Gulf Coast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

10/30/09

Technical Report for

ERM Salt Lake City

Vertellus-Provo

Accutest Job Number: T39513

Sampling Date: 10/07/09

Report to:

ERM
102 West 500 South Suite 650
Salt Lake City, UT 84101
kevin.lundmark@erm.com

ATTN: Mr. Kevin Lundmark

Total number of pages in report: **1416**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Paul K Canevaro

Paul Canevaro
Laboratory Director

ACCUTEST LABORATORIES 50 YEARS 1956-2006

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Test results relate only to samples analyzed.

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Accutest Laboratories

Sample Summary

ERM Salt Lake City

Vertellus-Provo

Job No: T39513

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
T39513-1	10/07/09	08:40	KB	10/08/09	AQ	Ground Water	MW17:1009
T39513-1D	10/07/09	08:40	KB	10/08/09	AQ	Ground Water	MW17:1009 MSD
T39513-1S	10/07/09	08:40	KB	10/08/09	AQ	Ground Water	MW17:1009 MS
T39513-2	10/07/09	10:10	KB	10/08/09	AQ	Ground Water	MW28:1009
T39513-3	10/07/09	11:00	KB	10/08/09	AQ	Ground Water	MW27:1009
T39513-4	10/07/09	12:00	KB	10/08/09	AQ	Ground Water	MW10:1009
T39513-5	10/07/09	13:50	KB	10/08/09	AQ	Ground Water	MW12:1009
T39513-6	10/07/09	00:00	KB	10/08/09	AQ	Ground Water	DUP
T39513-7	10/07/09	14:40	KB	10/08/09	AQ	Ground Water	MW13:1009
T39513-8	10/07/09	15:40	KB	10/08/09	AQ	Ground Water	MW14:1009
T39513-9	10/07/09	00:00	KB	10/08/09	AQ	Trip Blank Water	TRIP BLANK

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	ERM Salt Lake City	**Job No**	T39513
Site:	Vertellus-Provo	**Report Date**	10/29/2009 4:52:23 PM

8 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were collected on 10/07/2009 and were received at Accutest on 10/08/2009 properly preserved, at 0.8 Deg. C and intact. These Samples received an Accutest job number of T39513. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix AQ **Batch ID:** VC175

- All samples were analyzed within the recommended method holding time.
- Sample(s) T39308-1MS, T39308-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T39513-1MSD, T39513-4, T39513-5, T39513-8 have surrogates outside control limits. Outside control limits due to matrix interference. There were no target compounds associated with this surrogate.

Matrix AQ **Batch ID:** VF3599

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T39513-1MS, T39513-1MSD were used as the QC samples indicated.
- Blank Spike Recovery(s) for Methylene chloride are outside control limits.
- Matrix Spike Recovery(s) for Acetone, Methylene bromide are outside control limits. Probable cause due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for Acetone, Methylene bromide are outside control limits. Probable cause due to matrix interference.

Matrix AQ **Batch ID:** VF3602

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T39646-6MS, T39646-6MSD were used as the QC samples indicated.

Extractables by GCMS By Method SW846 8270C

Matrix AQ **Batch ID:** OP13230

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T39513-1BSD, T39513-1MS, T39513-1MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for Phenol are outside control limits. Probable cause due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for 3&4-Methylphenol, Phenol are outside control limits. Probable cause due to matrix interference.
- Sample(s) OP13230-MSD, T39513-8 have surrogates outside control limits. Outside control limits due to dilution.
- T39513-5: Elevated reporting limits due to matrix interference.High concentration of non-target compounds were detected in the sample.

Extractables by GCMS By Method SW846 8270C BY SIM

2

Matrix AQ	**Batch ID:** OP13270

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T39513-8, OP13270-MB have surrogates outside control limits. Probable cause due to matrix interference.
- OP13270-BS: Recoveries were adjusted for 1:10 dilution of the 8270 spike amount.
- OP13270-BSD: Recoveries were adjusted for 1:10 dilution of the 8270 spike amount.
- T39513-7 for 2-Fluorobiphenyl: Recovery was adjusted for 10x spiking.
- T39513-5 for Nitrobenzene-d5: Recovery was adjusted for 10x spiking.
- T39513-5 for Terphenyl-d14: Recovery was adjusted for 10x spiking.
- T39513-5 for 2-Fluorobiphenyl: Recovery was adjusted for 10x spiking.
- T39513-8 for Terphenyl-d14: Outside control limits due to dilution.
- T39513-5 for Nitrobenzene-d5: Recovery was adjusted for 10x spiking.
- T39513-3 for 2-Fluorobiphenyl: Recovery was adjusted for 10x spiking.
- T39513-6 for Terphenyl-d14: Recovery was adjusted for 10x spiking.
- T39513-8 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- T39513-8 for Terphenyl-d14: Recovery was adjusted for 10x spiking.
- T39513-8 for Nitrobenzene-d5: Recovery was adjusted for 10x spiking.
- T39513-8 for 2-Fluorobiphenyl: Recovery was adjusted for 10x spiking.
- T39513-7 for Terphenyl-d14: Recovery was adjusted for 10x spiking.
- T39513-7 for Nitrobenzene-d5: Recovery was adjusted for 10x spiking.
- T39513-8 for Nitrobenzene-d5: Outside control limits due to dilution.
- OP13270-MB for 2-Fluorobiphenyl: Recoveries were adjusted for 10x spiking.
- T39513-2 for Terphenyl-d14: Recovery was adjusted for 10x spiking.
- T39513-2 for Nitrobenzene-d5: Recovery was adjusted for 10x spiking.
- T39513-2 for 2-Fluorobiphenyl: Recovery was adjusted for 10x spiking.
- T39513-1 for Terphenyl-d14: Recovery was adjusted for 10x spiking.
- T39513-1 for Nitrobenzene-d5: Recovery was adjusted for 10x spiking.
- T39513-1 for 2-Fluorobiphenyl: Recovery was adjusted for 10x spiking.
- OP13270-MB for Terphenyl-d14: Recoveries were adjusted for 10x spiking.
- T39513-5 for 2-Fluorobiphenyl: Recovery was adjusted for 10x spiking.
- OP13270-MB for Nitrobenzene-d5: Recoveries were adjusted for 10x spiking.
- T39513-5 for Terphenyl-d14: Recovery was adjusted for 10x spiking.
- T39513-3 for Nitrobenzene-d5: Recovery was adjusted for 10x spiking.
- T39513-3 for Terphenyl-d14: Recovery was adjusted for 10x spiking.
- T39513-4 for 2-Fluorobiphenyl: Recovery was adjusted for 10x spiking.
- T39513-4 for Nitrobenzene-d5: Recovery was adjusted for 10x spiking.
- T39513-4 for Terphenyl-d14: Recovery was adjusted for 10x spiking.
- T39513-6 for 2-Fluorobiphenyl: Recovery was adjusted for 10x spiking.
- T39513-6 for Nitrobenzene-d5: Recovery was adjusted for 10x spiking.

Metals By Method SW846 6010B

Matrix AQ	**Batch ID:** MP10445

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T39513-1DUP, T39513-1MSD, T39513-1SDL were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Sodium are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

Matrix AQ	**Batch ID:** MP10489

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T39513-5DUP, T39513-5MSD, T39513-5SDL were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Sodium are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

Wet Chemistry By Method EPA 335.4

Matrix AQ	**Batch ID:** GP7018

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T39513-1DUP, T39513-1MS were used as the QC samples for Cyanide.
- Matrix Spike Recovery(s) for Cyanide are outside control limits. Probable cause due to matrix interference.
- RPD(s) for Duplicate for Cyanide are outside control limits for sample GP7018-D1.

Matrix AQ	**Batch ID:** GP7036

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T39672-1DUP, T39672-1MS were used as the QC samples for Cyanide.

Wet Chemistry By Method SM 4500 SO4

Matrix AQ	**Batch ID:** GN18336

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T39513-1DUP, T39513-1MS were used as the QC samples for Sulfate.

Matrix AQ	**Batch ID:** GN18466

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T39864-3DUP, T39864-3MS were used as the QC samples for Sulfate.

Accutest Laboratories Gulf Coast (ALGC) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALGC and as stated on the COC. ALGC certifies that the data meets the Data QualityObjectives for precision, accuracy and completeness as specified in the ALGC Quality Manual except as noted above. This report is to be used in its entirety. ALGC is not responsible for any assumptions of data quality if partial data packages are used

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW17:1009		
Lab Sample ID:	T39513-1	**Date Sampled:**	10/07/09
Matrix:	AQ - Ground Water	**Date Received:**	10/08/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F020707.D	1	10/13/09	AP	n/a	n/a	VF3599
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

8260 Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	4.7 U	50	4.7	ug/l	
71-43-2	Benzene	10.9	2.0	0.50	ug/l	
67-66-3	Chloroform	0.64 U	2.0	0.64	ug/l	
75-15-0	Carbon disulfide	0.53 U	2.0	0.53	ug/l	
100-41-4	Ethylbenzene	3.5	2.0	0.55	ug/l	
74-95-3	Methylene bromide	0.65 U	2.0	0.65	ug/l	
75-09-2	Methylene chloride	0.41 U	5.0	0.41	ug/l	
78-93-3	Methyl ethyl ketone	3.9 U	10	3.9	ug/l	
108-88-3	Toluene	0.43 U	2.0	0.43	ug/l	
1330-20-7	Xylene (total)	1.7 U	6.0	1.7	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		79-122%
17060-07-0	1,2-Dichloroethane-D4	101%		75-121%
2037-26-5	Toluene-D8	87%		87-119%
460-00-4	4-Bromofluorobenzene	91%		80-133%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW17:1009		
Lab Sample ID:	T39513-1	**Date Sampled:**	10/07/09
Matrix:	AQ - Ground Water	**Date Received:**	10/08/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J13795.D	1	10/13/09	SC	10/09/09	OP13230	EJ633
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

SW-846 8270C

CAS No.	Compound	Result	RL	MDL	Units	Q
108-98-5	Benzenethiol	1.3 U	10	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	1.3 U	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	0.83 U	5.0	0.83	ug/l	
	3&4-Methylphenol	1.6 U	5.0	1.6	ug/l	
108-95-2	Phenol	0.75 U	5.0	0.75	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	28%		10-66%
4165-62-2	Phenol-d5	26%		10-53%
118-79-6	2,4,6-Tribromophenol	76%		32-128%
4165-60-0	Nitrobenzene-d5	40%		29-115%
321-60-8	2-Fluorobiphenyl	36%		34-113%
1718-51-0	Terphenyl-d14	86%		12-145%

CAS No.	Tentatively Identified Compounds [a]	R.T.	Est. Conc.	Units	Q
137-07-5	Benzenethiol, 2-amino-	5.58	5.2	ug/l	JN
89776-55-6	3,4-Dimethyl-1H-pyrrole-2-carboxyl	5.98	24	ug/l	JN
19006-66-7	2(1H)-Pyridinethione, 1,3-dimethyl	6.41	4.9	ug/l	JN
22948-02-3	3-Aminobenzenethiol	6.50	4.6	ug/l	JN
18368-65-5	2(1H)-Pyridinethione, 4-methyl-	7.13	31	ug/l	JN
59556-18-2	DL-Gabaculine	8.00	50	ug/l	JN
19006-68-9	2(1H)-Pyridinethione, 1,5-dimethyl	8.60	4.9	ug/l	JN
936-52-7	N-(1-Cyclopenten-1-yl)-morpholine	8.78	8.6	ug/l	JN
6852-56-8	2-Propanamine, N-(phenylmethylene)	9.07	6.5	ug/l	JN
28556-81-2	2,6-Dimethylphenyl isocyanate	9.28	7	ug/l	JN
7661-51-0	Quinoline, 4-isobutyl-	9.66	4.4	ug/l	JN
27685-92-3	Thieno[3,2-c]pyridin-4(5H)-one	10.89	5.9	ug/l	JN
19776-98-8	2-Benzoxazolamine, N-methyl-	11.45	4.9	ug/l	JN
1000149-59-0	1,5,9-Decatriene, 2,3,5,8-tetramet	13.45	4.1	ug/l	JN
23774-12-1	1,2,3,4-Phenazinetetrol, 7-nitro-	14.96	7.1	ug/l	JN

U = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW17:1009		
Lab Sample ID:	T39513-1	**Date Sampled:**	10/07/09
Matrix:	AQ - Ground Water	**Date Received:**	10/08/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

SW-846 8270C

CAS No.	Tentatively Identified Compounds [a]	R.T.	Est. Conc.	Units	Q
4926-22-1	s-Triazolo[4,3-a]pyridine-3-thiol,	15.05	15	ug/l	JN
1000128-94-0	Benzoic acid, 2-methyl-6-nitro-, m	18.53	16	ug/l	JN
2233-18-3	3,5-Dimethyl-4-hydroxybenzaldehyde	18.58	20	ug/l	JN
	Total TIC, Semi-Volatile		224.1	ug/l	J

(a) Resorcinol was not detected in the sample.

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW17:1009		
Lab Sample ID:	T39513-1	**Date Sampled:**	10/07/09
Matrix:	AQ - Ground Water	**Date Received:**	10/08/09
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H35562.D	1	10/22/09	SC	10/09/09	OP13270	EH1919
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

SW846 8270 PAH Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.12	0.20	0.042	ug/l	J
208-96-8	Acenaphthylene	0.41	0.20	0.072	ug/l	
120-12-7	Anthracene	0.054 U	0.20	0.054	ug/l	
56-55-3	Benzo(a)anthracene	0.041 U	0.20	0.041	ug/l	
50-32-8	Benzo(a)pyrene	0.064 U	0.20	0.064	ug/l	
205-99-2	Benzo(b)fluoranthene	0.060 U	0.20	0.060	ug/l	
207-08-9	Benzo(k)fluoranthene	0.056 U	0.20	0.056	ug/l	
218-01-9	Chrysene	0.044 U	0.20	0.044	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.060 U	0.20	0.060	ug/l	
206-44-0	Fluoranthene	0.16	0.20	0.046	ug/l	J
86-73-7	Fluorene	0.064 U	0.20	0.064	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.061 U	0.20	0.061	ug/l	
91-20-3	Naphthalene	0.075 U	0.20	0.075	ug/l	
85-01-8	Phenanthrene	0.28	0.20	0.075	ug/l	
129-00-0	Pyrene	0.18	0.20	0.079	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	27% [a]		17-131%
321-60-8	2-Fluorobiphenyl	24% [a]		15-137%
1718-51-0	Terphenyl-d14	108% [a]		10-160%

(a) Recovery was adjusted for 10x spiking.

U = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW17:1009		
Lab Sample ID:	T39513-1	**Date Sampled:**	10/07/09
Matrix:	AQ - Ground Water	**Date Received:**	10/08/09
		Percent Solids:	n/a
Project:	Vertellus-Provo		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Sodium	7010000	250000	6700	ug/l	50	10/13/09	10/19/09	NS	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA4345
(2) Prep QC Batch: MP10445

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW17:1009		
Lab Sample ID:	T39513-1	**Date Sampled:**	10/07/09
Matrix:	AQ - Ground Water	**Date Received:**	10/08/09
		Percent Solids:	n/a
Project:	Vertellus-Provo		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Cyanide	0.10	0.010	0.0040	mg/l	1	10/17/09 12:48	CV	EPA 335.4
Sulfate	5230	100	2.6	mg/l	1	10/11/09 09:00	MC	SM 4500 SO4

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW28:1009		
Lab Sample ID:	T39513-2	**Date Sampled:**	10/07/09
Matrix:	AQ - Ground Water	**Date Received:**	10/08/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F020711.D	1	10/13/09	AP	n/a	n/a	VF3599
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

8260 Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	4.7 U	50	4.7	ug/l	
71-43-2	Benzene	0.50 U	2.0	0.50	ug/l	
67-66-3	Chloroform	0.64 U	2.0	0.64	ug/l	
75-15-0	Carbon disulfide	0.53 U	2.0	0.53	ug/l	
100-41-4	Ethylbenzene	2.9	2.0	0.55	ug/l	
74-95-3	Methylene bromide	0.65 U	2.0	0.65	ug/l	
75-09-2	Methylene chloride	0.41 U	5.0	0.41	ug/l	
78-93-3	Methyl ethyl ketone	3.9 U	10	3.9	ug/l	
108-88-3	Toluene	0.53	2.0	0.43	ug/l	J
1330-20-7	Xylene (total)	2.0	6.0	1.7	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		79-122%
17060-07-0	1,2-Dichloroethane-D4	94%		75-121%
2037-26-5	Toluene-D8	87%		87-119%
460-00-4	4-Bromofluorobenzene	89%		80-133%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW28:1009		
Lab Sample ID:	T39513-2	**Date Sampled:**	10/07/09
Matrix:	AQ - Ground Water	**Date Received:**	10/08/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J13796.D	1	10/13/09	SC	10/09/09	OP13230	EJ633
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

SW-846 8270C

CAS No.	Compound	Result	RL	MDL	Units	Q
108-98-5	Benzenethiol	1.3 U	10	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	1.3 U	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	0.83 U	5.0	0.83	ug/l	
	3&4-Methylphenol	1.6 U	5.0	1.6	ug/l	
108-95-2	Phenol	0.75 U	5.0	0.75	ug/l	
83-32-9	Acenaphthene	103	5.0	1.6	ug/l	
206-44-0	Fluoranthene	10.5	5.0	0.97	ug/l	
86-73-7	Fluorene	29.0	5.0	1.3	ug/l	
85-01-8	Phenanthrene	30.1	5.0	0.97	ug/l	
129-00-0	Pyrene	10.4	5.0	1.7	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	42%		10-66%
4165-62-2	Phenol-d5	32%		10-53%
118-79-6	2,4,6-Tribromophenol	73%		32-128%
4165-60-0	Nitrobenzene-d5	59%		29-115%
321-60-8	2-Fluorobiphenyl	52%		34-113%
1718-51-0	Terphenyl-d14	87%		12-145%

CAS No.	Tentatively Identified Compounds [a]	R.T.	Est. Conc.	Units	Q
112-36-7	Ethane, 1,1'-oxybis[2-ethoxy-]	4.59	5.6	ug/l	JN
496-11-7	Indane	4.85	25	ug/l	JN
95-15-8	Benzo[b]thiophene	5.98	4.4	ug/l	JN
92-52-4	Biphenyl	7.43	4.1	ug/l	JN
581-40-8	Naphthalene, 2,3-dimethyl-	7.80	7	ug/l	JN
575-41-7	Naphthalene, 1,3-dimethyl-	7.98	4.1	ug/l	JN
613-46-7	2-Naphthalenecarbonitrile	8.48	4.9	ug/l	JN
1855-47-6	1-Isopropenylnaphthalene	8.63	4.4	ug/l	JN
613-31-0	Anthracene, 9,10-dihydro-	10.15	5	ug/l	JN
203-64-5	4H-Cyclopenta[def]phenanthrene	12.37	4.7	ug/l	JN

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW28:1009		
Lab Sample ID:	T39513-2	**Date Sampled:**	10/07/09
Matrix:	AQ - Ground Water	**Date Received:**	10/08/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

SW-846 8270C

CAS No.	Tentatively Identified Compounds [a]	R.T.	Est. Conc.	Units	Q
1015-89-0	6(5H)-Phenanthridinone	14.81	5.4	ug/l	JN
27554-26-3	1,2-Benzenedicarboxylic acid, diis	18.25	7.6	ug/l	JN
	Total TIC, Semi-Volatile		82.2	ug/l	J

(a) Resorcinol was not detected in the sample.

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW28:1009		
Lab Sample ID:	T39513-2	**Date Sampled:**	10/07/09
Matrix:	AQ - Ground Water	**Date Received:**	10/08/09
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H35563.D	1	10/22/09	SC	10/09/09	OP13270	EH1919
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

SW846 8270 PAH Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
208-96-8	Acenaphthylene	0.11	0.20	0.072	ug/l	J
120-12-7	Anthracene	1.8	0.20	0.054	ug/l	
56-55-3	Benzo(a)anthracene	1.4	0.20	0.041	ug/l	
50-32-8	Benzo(a)pyrene	0.064 U	0.20	0.064	ug/l	
205-99-2	Benzo(b)fluoranthene	0.060 U	0.20	0.060	ug/l	
207-08-9	Benzo(k)fluoranthene	0.056 U	0.20	0.056	ug/l	
218-01-9	Chrysene	1.1	0.20	0.044	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.060 U	0.20	0.060	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.061 U	0.20	0.061	ug/l	
91-20-3	Naphthalene	9.2	0.20	0.075	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	36% [a]		17-131%
321-60-8	2-Fluorobiphenyl	51% [a]		15-137%
1718-51-0	Terphenyl-d14	97% [a]		10-160%

(a) Recovery was adjusted for 10x spiking.

U = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW28:1009		
Lab Sample ID:	T39513-2	**Date Sampled:**	10/07/09
Matrix:	AQ - Ground Water	**Date Received:**	10/08/09
		Percent Solids:	n/a
Project:	Vertellus-Provo		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Cyanide	0.015	0.010	0.0040	mg/l	1	10/17/09 12:58	CV	EPA 335.4

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW27:1009		
Lab Sample ID:	T39513-3	**Date Sampled:**	10/07/09
Matrix:	AQ - Ground Water	**Date Received:**	10/08/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F020712.D	1	10/13/09	AP	n/a	n/a	VF3599
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

8260 Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	4.7 U	50	4.7	ug/l	
71-43-2	Benzene	0.73	2.0	0.50	ug/l	J
67-66-3	Chloroform	0.64 U	2.0	0.64	ug/l	
75-15-0	Carbon disulfide	0.53 U	2.0	0.53	ug/l	
100-41-4	Ethylbenzene	4.8	2.0	0.55	ug/l	
74-95-3	Methylene bromide	0.65 U	2.0	0.65	ug/l	
75-09-2	Methylene chloride	0.41 U	5.0	0.41	ug/l	
78-93-3	Methyl ethyl ketone	3.9 U	10	3.9	ug/l	
108-88-3	Toluene	6.6	2.0	0.43	ug/l	
1330-20-7	Xylene (total)	20.2	6.0	1.7	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		79-122%
17060-07-0	1,2-Dichloroethane-D4	93%		75-121%
2037-26-5	Toluene-D8	87%		87-119%
460-00-4	4-Bromofluorobenzene	90%		80-133%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW27:1009		
Lab Sample ID:	T39513-3	**Date Sampled:**	10/07/09
Matrix:	AQ - Ground Water	**Date Received:**	10/08/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J13797.D	1	10/13/09	SC	10/09/09	OP13230	EJ633
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

SW-846 8270C

CAS No.	Compound	Result	RL	MDL	Units	Q
108-98-5	Benzenethiol	1.3 U	10	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	1.3 U	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	0.83 U	5.0	0.83	ug/l	
	3&4-Methylphenol	1.6 U	5.0	1.6	ug/l	
108-95-2	Phenol	0.75 U	5.0	0.75	ug/l	
83-32-9	Acenaphthene	38.6	5.0	1.6	ug/l	
91-20-3	Naphthalene	62.2	5.0	1.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	49%		10-66%
4165-62-2	Phenol-d5	37%		10-53%
118-79-6	2,4,6-Tribromophenol	71%		32-128%
4165-60-0	Nitrobenzene-d5	66%		29-115%
321-60-8	2-Fluorobiphenyl	57%		34-113%
1718-51-0	Terphenyl-d14	91%		12-145%

CAS No.	Tentatively Identified Compounds [a]	R.T.	Est. Conc.	Units	Q
106-42-3	p-Xylene	3.62	4.7	ug/l	JN
271-89-6	Benzofuran	4.59	15	ug/l	JN
496-11-7	Indane	4.85	15	ug/l	JN
95-15-8	Benzo[b]thiophene	5.98	8.2	ug/l	JN
	Total TIC, Semi-Volatile		42.9	ug/l	J

(a) Resorcinol was not detected in the sample.

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW27:1009		
Lab Sample ID:	T39513-3	**Date Sampled:**	10/07/09
Matrix:	AQ - Ground Water	**Date Received:**	10/08/09
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H35564.D	1	10/22/09	SC	10/09/09	OP13270	EH1919
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

SW846 8270 PAH Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
208-96-8	Acenaphthylene	0.090	0.20	0.072	ug/l	J
120-12-7	Anthracene	0.81	0.20	0.054	ug/l	
56-55-3	Benzo(a)anthracene	0.041 U	0.20	0.041	ug/l	
50-32-8	Benzo(a)pyrene	0.064 U	0.20	0.064	ug/l	
205-99-2	Benzo(b)fluoranthene	0.060 U	0.20	0.060	ug/l	
207-08-9	Benzo(k)fluoranthene	0.056 U	0.20	0.056	ug/l	
218-01-9	Chrysene	0.044 U	0.20	0.044	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.060 U	0.20	0.060	ug/l	
206-44-0	Fluoranthene	2.1	0.20	0.046	ug/l	
86-73-7	Fluorene	8.9	0.20	0.064	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.061 U	0.20	0.061	ug/l	
85-01-8	Phenanthrene	8.7	0.20	0.075	ug/l	
129-00-0	Pyrene	1.5	0.20	0.079	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	43% [a]		17-131%
321-60-8	2-Fluorobiphenyl	51% [a]		15-137%
1718-51-0	Terphenyl-d14	110% [a]		10-160%

(a) Recovery was adjusted for 10x spiking.

U = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW27:1009		
Lab Sample ID:	T39513-3	**Date Sampled:**	10/07/09
Matrix:	AQ - Ground Water	**Date Received:**	10/08/09
		Percent Solids:	n/a
Project:	Vertellus-Provo		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Cyanide	0.023	0.010	0.0040	mg/l	1	10/17/09 12:58	CV	EPA 335.4

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW10:1009		
Lab Sample ID:	T39513-4	**Date Sampled:**	10/07/09
Matrix:	AQ - Ground Water	**Date Received:**	10/08/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F020713.D	1	10/13/09	AP	n/a	n/a	VF3599
Run #2	C0004004.D	10	10/14/09	AP	n/a	n/a	VC175

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

8260 Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	4.7 U	50	4.7	ug/l	
71-43-2	Benzene	860 [a]	20	5.0	ug/l	
67-66-3	Chloroform	0.64 U	2.0	0.64	ug/l	
75-15-0	Carbon disulfide	0.53 U	2.0	0.53	ug/l	
100-41-4	Ethylbenzene	136	2.0	0.55	ug/l	
74-95-3	Methylene bromide	0.65 U	2.0	0.65	ug/l	
75-09-2	Methylene chloride	0.41 U	5.0	0.41	ug/l	
78-93-3	Methyl ethyl ketone	3.9 U	10	3.9	ug/l	
108-88-3	Toluene	12.4	2.0	0.43	ug/l	
1330-20-7	Xylene (total)	146	6.0	1.7	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%	102%	79-122%
17060-07-0	1,2-Dichloroethane-D4	98%	107%	75-121%
2037-26-5	Toluene-D8	87%	95%	87-119%
460-00-4	4-Bromofluorobenzene	92%	68% [b]	80-133%

(a) Result is from Run# 2
(b) Outside control limits due to matrix interference. There were no target compounds associated with this surrogate.

U = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW10:1009		
Lab Sample ID:	T39513-4	**Date Sampled:**	10/07/09
Matrix:	AQ - Ground Water	**Date Received:**	10/08/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J13798.D	1	10/13/09	SC	10/09/09	OP13230	EJ633
Run #2	J13805.D	4	10/13/09	SC	10/09/09	OP13230	EJ633

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml

SW-846 8270C

CAS No.	Compound	Result	RL	MDL	Units	Q
108-98-5	Benzenethiol	1.3 U	10	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	11.3	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	0.83 U	5.0	0.83	ug/l	
	3&4-Methylphenol	1.6 U	5.0	1.6	ug/l	
108-95-2	Phenol	2.4	5.0	0.75	ug/l	J
83-32-9	Acenaphthene	136 [a]	20	6.2	ug/l	
91-20-3	Naphthalene	194 [a]	20	4.5	ug/l	
85-01-8	Phenanthrene	21.3	5.0	0.97	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	50%	45%	10-66%
4165-62-2	Phenol-d5	39%	35%	10-53%
118-79-6	2,4,6-Tribromophenol	83%	72%	32-128%
4165-60-0	Nitrobenzene-d5	67%	68%	29-115%
321-60-8	2-Fluorobiphenyl	58%	59%	34-113%
1718-51-0	Terphenyl-d14	85%	90%	12-145%

CAS No.	Tentatively Identified Compounds [b]	R.T.	Est. Conc.	Units	Q
109-06-8	Pyridine, 2-methyl-	3.54	130	ug/l	JN
108-38-3	Benzene, 1,3-dimethyl-	3.62	65	ug/l	JN
95-47-6	Benzene, 1,2-dimethyl-	3.81	18	ug/l	JN
111-84-2	Nonane	3.85	9.7	ug/l	JN
526-73-8	Benzene, 1,2,3-trimethyl-	4.57	31	ug/l	JN
271-89-6	Benzofuran	4.59	110	ug/l	JN
620-14-4	Benzene, 1-ethyl-3-methyl-	4.76	19	ug/l	JN
496-11-7	Indane	4.87	480	ug/l	JN
95-13-6	Indene	4.94	250	ug/l	JN
529-19-1	Benzonitrile, 2-methyl-	5.07	29	ug/l	JN
17059-52-8	Benzofuran, 7-methyl-	5.27	23	ug/l	JN
270-82-6	Benzo[c]thiophene	5.99	21	ug/l	JN

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW10:1009		
Lab Sample ID:	T39513-4	**Date Sampled:**	10/07/09
Matrix:	AQ - Ground Water	**Date Received:**	10/08/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

SW-846 8270C

CAS No.	Tentatively Identified Compounds [b]	R.T.	Est. Conc.	Units	Q
529-34-0	1(2H)-Naphthalenone, 3,4-dihydro-	7.42	9.2	ug/l	JN
613-46-7	2-Naphthalenecarbonitrile	8.49	18	ug/l	JN
90-15-3	1-Naphthalenol	8.60	10	ug/l	JN
2243-53-0	3-Butenoic acid, 4-phenyl-	9.09	33	ug/l	JN
28556-81-2	2,6-Dimethylphenyl isocyanate	9.40	15	ug/l	JN
7469-77-4	1-Naphthalenol, 2-methyl-	9.58	14	ug/l	JN
16007-54-8	Benzimidazole, 2-isopropyl-, 3-oxi	9.66	13	ug/l	JN
580-51-8	[1,1'-Biphenyl]-3-ol	10.39	9.7	ug/l	JN
86-77-1	2-Dibenzofuranol	10.97	12	ug/l	JN
877-39-4	Oxazole, 4-methyl-2-phenyl-	11.28	12	ug/l	JN
86-77-1	2-Dibenzofuranol	11.72	22	ug/l	JN
86-77-1	2-Dibenzofuranol	11.87	9.4	ug/l	JN
86-77-1	2-Dibenzofuranol	11.96	17	ug/l	JN
	Total TIC, Semi-Volatile		1380	ug/l	J

(a) Result is from Run# 2
(b) Resorcinol was not detected in the sample.

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW10:1009		
Lab Sample ID:	T39513-4	**Date Sampled:**	10/07/09
Matrix:	AQ - Ground Water	**Date Received:**	10/08/09
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H35566.D	1	10/22/09	SC	10/09/09	OP13270	EH1919
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

SW846 8270 PAH Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
208-96-8	Acenaphthylene	8.5	0.20	0.072	ug/l	
120-12-7	Anthracene	0.054 U	0.20	0.054	ug/l	
56-55-3	Benzo(a)anthracene	0.041 U	0.20	0.041	ug/l	
50-32-8	Benzo(a)pyrene	0.064 U	0.20	0.064	ug/l	
205-99-2	Benzo(b)fluoranthene	0.060 U	0.20	0.060	ug/l	
207-08-9	Benzo(k)fluoranthene	0.056 U	0.20	0.056	ug/l	
218-01-9	Chrysene	0.044 U	0.20	0.044	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.060 U	0.20	0.060	ug/l	
206-44-0	Fluoranthene	0.046 U	0.20	0.046	ug/l	
86-73-7	Fluorene	1.9	0.20	0.064	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.061 U	0.20	0.061	ug/l	
129-00-0	Pyrene	0.079 U	0.20	0.079	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	54% [a]		17-131%
321-60-8	2-Fluorobiphenyl	107% [a]		15-137%
1718-51-0	Terphenyl-d14	106% [a]		10-160%

(a) Recovery was adjusted for 10x spiking.

U = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW10:1009		
Lab Sample ID:	T39513-4	**Date Sampled:**	10/07/09
Matrix:	AQ - Ground Water	**Date Received:**	10/08/09
		Percent Solids:	n/a
Project:	Vertellus-Provo		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Cyanide	0.059	0.010	0.0040	mg/l	1	10/17/09 13:00	CV	EPA 335.4

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW12:1009		
Lab Sample ID:	T39513-5	**Date Sampled:**	10/07/09
Matrix:	AQ - Ground Water	**Date Received:**	10/08/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F020714.D	1	10/13/09	AP	n/a	n/a	VF3599
Run #2	C0004005.D	10	10/14/09	AP	n/a	n/a	VC175

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

8260 Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	4.7 U	50	4.7	ug/l	
71-43-2	Benzene	673 [a]	20	5.0	ug/l	
67-66-3	Chloroform	0.64 U	2.0	0.64	ug/l	
75-15-0	Carbon disulfide	0.53 U	2.0	0.53	ug/l	
100-41-4	Ethylbenzene	46.9	2.0	0.55	ug/l	
74-95-3	Methylene bromide	0.65 U	2.0	0.65	ug/l	
75-09-2	Methylene chloride	0.41 U	5.0	0.41	ug/l	
78-93-3	Methyl ethyl ketone	3.9 U	10	3.9	ug/l	
108-88-3	Toluene	224 [a]	20	4.3	ug/l	
1330-20-7	Xylene (total)	166	6.0	1.7	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%	100%	79-122%
17060-07-0	1,2-Dichloroethane-D4	82%	104%	75-121%
2037-26-5	Toluene-D8	87%	93%	87-119%
460-00-4	4-Bromofluorobenzene	90%	76% [b]	80-133%

(a) Result is from Run# 2
(b) Outside control limits due to matrix interference. There were no target compounds associated with this surrogate.

U = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW12:1009		
Lab Sample ID:	T39513-5	**Date Sampled:**	10/07/09
Matrix:	AQ - Ground Water	**Date Received:**	10/08/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J13806.D	4	10/13/09	SC	10/09/09	OP13230	EJ633
Run #2	J13800.D	40	10/13/09	SC	10/09/09	OP13230	EJ633

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml

SW-846 8270C

CAS No.	Compound	Result	RL	MDL	Units	Q
108-98-5	Benzenethiol	5.2 U	40	5.2	ug/l	
105-67-9	2,4-Dimethylphenol	649 [b]	200	51	ug/l	
95-48-7	2-Methylphenol	167	20	3.3	ug/l	
	3&4-Methylphenol	119	20	6.3	ug/l	
108-95-2	Phenol	26.4	20	3.0	ug/l	
83-32-9	Acenaphthene	178	20	6.2	ug/l	
86-73-7	Fluorene	58.8	20	5.4	ug/l	
91-20-3	Naphthalene	3950 [b]	200	45	ug/l	
85-01-8	Phenanthrene	67.5	20	3.9	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	62%	61%	10-66%
4165-62-2	Phenol-d5	49%	47%	10-53%
118-79-6	2,4,6-Tribromophenol	87%	75%	32-128%
4165-60-0	Nitrobenzene-d5	77%	87%	29-115%
321-60-8	2-Fluorobiphenyl	75%	85%	34-113%
1718-51-0	Terphenyl-d14	105%	106%	12-145%

CAS No.	Tentatively Identified Compounds [c]	R.T.	Est. Conc.	Units	Q
108-88-3	Toluene	2.64	60	ug/l	JN
95-47-6	Benzene, 1,2-dimethyl-	3.62	52	ug/l	JN
108-38-3	Benzene, 1,3-dimethyl-	3.81	54	ug/l	JN
271-89-6	Benzofuran	4.59	110	ug/l	JN
496-11-7	Indane	4.85	220	ug/l	JN
93-37-8	Quinoline, 2,7-dimethyl-	7.81	75	ug/l	JN
877-43-0	Quinoline, 2,6-dimethyl-	8.00	66	ug/l	JN
2243-53-0	3-Butenoic acid, 4-phenyl-	8.30	31	ug/l	JN
90-15-3	1-Naphthalenol	8.61	170	ug/l	JN
3610-02-4	4-Hydroxybenzo[b]thiophene	8.83	54	ug/l	JN
15769-36-5	2H-Quinolizin-3-ol, octahydro-, tr	8.99	61	ug/l	JN

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW12:1009		
Lab Sample ID:	T39513-5	**Date Sampled:**	10/07/09
Matrix:	AQ - Ground Water	**Date Received:**	10/08/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

SW-846 8270C

CAS No.	Tentatively Identified Compounds [c]	R.T.	Est. Conc.	Units	Q
7469-77-4	1-Naphthalenol, 2-methyl-	9.58	47	ug/l	JN
244-99-5	5H-Indeno[1,2-b]pyridine	9.87	96	ug/l	JN
1000153-18-7	Indenone, 5-methylamino-2,3-dihydr	10.17	170	ug/l	JN
86-55-5	1-Naphthalenecarboxylic acid	10.27	94	ug/l	JN
155-09-9	Cyclopropanamine, 2-phenyl-, trans	10.39	46	ug/l	JN
491-30-5	1(2H)-Isoquinolinone	10.48	51	ug/l	JN
262-12-4	Dibenzo-p-dioxin	11.00	55	ug/l	JN
230-27-3	Benzo[h]quinoline	11.25	85	ug/l	JN
86-97-5	2-Naphthalenol, 5-amino-	11.59	45	ug/l	JN
3846-73-9	8-Quinolinol, 4-methyl-	11.89	81	ug/l	JN
86-77-1	2-Dibenzofuranol	12.00	90	ug/l	JN
1000216-51-0	2-Azafluorene	12.28	40	ug/l	JN
17336-90-2	2(1H)-Quinolinone, 3,4-dimethyl-	12.39	31	ug/l	JN
578-95-0	9(10H)-Acridinone	14.88	44	ug/l	JN
	Total TIC, Semi-Volatile		1928	ug/l	J

(a) Elevated reporting limits due to matrix interference.High concentration of non-target compounds were detected in the sample.
(b) Result is from Run# 2
(c) Resorcinol was not detected in the sample.

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW12:1009		
Lab Sample ID:	T39513-5	**Date Sampled:**	10/07/09
Matrix:	AQ - Ground Water	**Date Received:**	10/08/09
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H35621.D	1	10/26/09	SC	10/09/09	OP13270	EH1921
Run #2	H35625.D	4	10/26/09	SC	10/09/09	OP13270	EH1921

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml

SW846 8270 PAH Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
208-96-8	Acenaphthylene	9.6	0.20	0.072	ug/l	
120-12-7	Anthracene	16.5 [a]	0.80	0.21	ug/l	
56-55-3	Benzo(a)anthracene	0.041 U	0.20	0.041	ug/l	
50-32-8	Benzo(a)pyrene	0.064 U	0.20	0.064	ug/l	
205-99-2	Benzo(b)fluoranthene	0.060 U	0.20	0.060	ug/l	
207-08-9	Benzo(k)fluoranthene	0.056 U	0.20	0.056	ug/l	
218-01-9	Chrysene	0.044 U	0.20	0.044	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.060 U	0.20	0.060	ug/l	
206-44-0	Fluoranthene	8.0	0.20	0.046	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.061 U	0.20	0.061	ug/l	
129-00-0	Pyrene	7.0	0.20	0.079	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	18% [b]	115% [b]	17-131%
321-60-8	2-Fluorobiphenyl	39% [b]	129% [b]	15-137%
1718-51-0	Terphenyl-d14	135% [b]	155% [b]	10-160%

(a) Result is from Run# 2
(b) Recovery was adjusted for 10x spiking.

U = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW12:1009		
Lab Sample ID:	T39513-5	**Date Sampled:**	10/07/09
Matrix:	AQ - Ground Water	**Date Received:**	10/08/09
		Percent Solids:	n/a
Project:	Vertellus-Provo		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Sodium	5640000	250000	6700	ug/l	50	10/20/09	10/22/09	NS	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA4353
(2) Prep QC Batch: MP10489

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW12:1009		
Lab Sample ID:	T39513-5	**Date Sampled:**	10/07/09
Matrix:	AQ - Ground Water	**Date Received:**	10/08/09
		Percent Solids:	n/a
Project:	Vertellus-Provo		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Cyanide	0.25	0.010	0.0040	mg/l	1	10/21/09 12:26	CV	EPA 335.4
Sulfate	4360	100	2.6	mg/l	1	10/27/09 09:00	MC	SM 4500 SO4

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	DUP		
Lab Sample ID:	T39513-6	**Date Sampled:**	10/07/09
Matrix:	AQ - Ground Water	**Date Received:**	10/08/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F020767.D	1	10/14/09	AP	n/a	n/a	VF3602
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

8260 Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	4.7 U	50	4.7	ug/l	
71-43-2	Benzene	0.75	2.0	0.50	ug/l	J
67-66-3	Chloroform	0.64 U	2.0	0.64	ug/l	
75-15-0	Carbon disulfide	0.53 U	2.0	0.53	ug/l	
100-41-4	Ethylbenzene	5.1	2.0	0.55	ug/l	
74-95-3	Methylene bromide	0.65 U	2.0	0.65	ug/l	
75-09-2	Methylene chloride	0.41 U	5.0	0.41	ug/l	
78-93-3	Methyl ethyl ketone	3.9 U	10	3.9	ug/l	
108-88-3	Toluene	6.9	2.0	0.43	ug/l	
1330-20-7	Xylene (total)	21.3	6.0	1.7	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		79-122%
17060-07-0	1,2-Dichloroethane-D4	104%		75-121%
2037-26-5	Toluene-D8	93%		87-119%
460-00-4	4-Bromofluorobenzene	87%		80-133%

U = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	DUP		
Lab Sample ID:	T39513-6	**Date Sampled:**	10/07/09
Matrix:	AQ - Ground Water	**Date Received:**	10/08/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J13799.D	1	10/13/09	SC	10/09/09	OP13230	EJ633
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

SW-846 8270C

CAS No.	Compound	Result	RL	MDL	Units	Q
108-98-5	Benzenethiol	1.3 U	10	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	1.3 U	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	0.97	5.0	0.83	ug/l	J
	3&4-Methylphenol	2.8	5.0	1.6	ug/l	J
108-95-2	Phenol	9.9	5.0	0.75	ug/l	
83-32-9	Acenaphthene	42.0	5.0	1.6	ug/l	
86-73-7	Fluorene	11.1	5.0	1.3	ug/l	
91-20-3	Naphthalene	71.1	5.0	1.1	ug/l	
85-01-8	Phenanthrene	7.9	5.0	0.97	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	46%		10-66%
4165-62-2	Phenol-d5	35%		10-53%
118-79-6	2,4,6-Tribromophenol	76%		32-128%
4165-60-0	Nitrobenzene-d5	69%		29-115%
321-60-8	2-Fluorobiphenyl	61%		34-113%
1718-51-0	Terphenyl-d14	86%		12-145%

CAS No.	Tentatively Identified Compounds [a]	R.T.	Est. Conc.	Units	Q
106-42-3	p-Xylene	3.62	6.1	ug/l	JN
271-89-6	Benzofuran	4.59	8.3	ug/l	JN
496-11-7	Indane	4.85	15	ug/l	JN
	Total TIC, Semi-Volatile		29.4	ug/l	J

(a) Resorcinol was not detected in the sample.

U = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	DUP		
Lab Sample ID:	T39513-6	**Date Sampled:**	10/07/09
Matrix:	AQ - Ground Water	**Date Received:**	10/08/09
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H35601.D	1	10/23/09	SC	10/09/09	OP13270	EH1920
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

SW846 8270 PAH Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
208-96-8	Acenaphthylene	0.33	0.20	0.072	ug/l	
120-12-7	Anthracene	1.0	0.20	0.054	ug/l	
56-55-3	Benzo(a)anthracene	0.21	0.20	0.041	ug/l	
50-32-8	Benzo(a)pyrene	0.064 U	0.20	0.064	ug/l	
205-99-2	Benzo(b)fluoranthene	0.060 U	0.20	0.060	ug/l	
207-08-9	Benzo(k)fluoranthene	0.056 U	0.20	0.056	ug/l	
218-01-9	Chrysene	0.11	0.20	0.044	ug/l	J
53-70-3	Dibenzo(a,h)anthracene	0.060 U	0.20	0.060	ug/l	
206-44-0	Fluoranthene	2.5	0.20	0.046	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.061 U	0.20	0.061	ug/l	
129-00-0	Pyrene	1.8	0.20	0.079	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	59% [a]		17-131%
321-60-8	2-Fluorobiphenyl	69% [a]		15-137%
1718-51-0	Terphenyl-d14	105% [a]		10-160%

(a) Recovery was adjusted for 10x spiking.

U = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP		
Lab Sample ID:	T39513-6	**Date Sampled:**	10/07/09
Matrix:	AQ - Ground Water	**Date Received:**	10/08/09
		Percent Solids:	n/a
Project:	Vertellus-Provo		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Cyanide	0.021	0.010	0.0040	mg/l	1	10/21/09 12:31	CV	EPA 335.4

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW13:1009		
Lab Sample ID:	T39513-7	**Date Sampled:**	10/07/09
Matrix:	AQ - Ground Water	**Date Received:**	10/08/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F020716.D	1	10/13/09	AP	n/a	n/a	VF3599
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

8260 Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	4.7 U	50	4.7	ug/l	
71-43-2	Benzene	23.4	2.0	0.50	ug/l	
67-66-3	Chloroform	0.64 U	2.0	0.64	ug/l	
75-15-0	Carbon disulfide	0.53 U	2.0	0.53	ug/l	
100-41-4	Ethylbenzene	16.2	2.0	0.55	ug/l	
74-95-3	Methylene bromide	0.65 U	2.0	0.65	ug/l	
75-09-2	Methylene chloride	0.41 U	5.0	0.41	ug/l	
78-93-3	Methyl ethyl ketone	3.9 U	10	3.9	ug/l	
108-88-3	Toluene	27.1	2.0	0.43	ug/l	
1330-20-7	Xylene (total)	40.2	6.0	1.7	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		79-122%
17060-07-0	1,2-Dichloroethane-D4	87%		75-121%
2037-26-5	Toluene-D8	87%		87-119%
460-00-4	4-Bromofluorobenzene	90%		80-133%

U = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW13:1009		
Lab Sample ID:	T39513-7	**Date Sampled:**	10/07/09
Matrix:	AQ - Ground Water	**Date Received:**	10/08/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J13807.D	4	10/13/09	SC	10/09/09	OP13230	EJ633
Run #2	J13801.D	40	10/13/09	SC	10/09/09	OP13230	EJ633

	Initial Volume	Final Volume
Run #1	970 ml	1.0 ml
Run #2	970 ml	1.0 ml

SW-846 8270C

CAS No.	Compound	Result	RL	MDL	Units	Q
108-98-5	Benzenethiol	5.4 U	41	5.4	ug/l	
105-67-9	2,4-Dimethylphenol	86.3	21	5.2	ug/l	
95-48-7	2-Methylphenol	13.8	21	3.4	ug/l	J
	3&4-Methylphenol	37.4	21	6.5	ug/l	
108-95-2	Phenol	34.5	21	3.1	ug/l	
83-32-9	Acenaphthene	271	21	6.4	ug/l	
86-73-7	Fluorene	43.7	21	5.5	ug/l	
91-20-3	Naphthalene	1270 [a]	210	47	ug/l	
85-01-8	Phenanthrene	63.8	21	4.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	63%	52%	10-66%
4165-62-2	Phenol-d5	48%	39%	10-53%
118-79-6	2,4,6-Tribromophenol	84%	62%	32-128%
4165-60-0	Nitrobenzene-d5	81%	72%	29-115%
321-60-8	2-Fluorobiphenyl	80%	74%	34-113%
1718-51-0	Terphenyl-d14	105%	83%	12-145%

CAS No.	Tentatively Identified Compounds [b]	R.T.	Est. Conc.	Units	Q
108-38-3	Benzene, 1,3-dimethyl-	3.61	22	ug/l	JN
591-22-0	Pyridine, 3,5-dimethyl-	4.11	48	ug/l	JN
24437-41-0	1H-Pyrrole-2-acetonitrile, 1-methyl-	4.33	29	ug/l	JN
271-89-6	Benzofuran	4.59	31	ug/l	JN
496-11-7	Indane	4.85	130	ug/l	JN
95-13-6	Indene	4.92	150	ug/l	JN
92-52-4	Biphenyl	7.43	32	ug/l	JN
582-16-1	Naphthalene, 2,7-dimethyl-	7.80	27	ug/l	JN
613-46-7	2-Naphthalenecarbonitrile	8.48	51	ug/l	JN
90-15-3	1-Naphthalenol	8.61	110	ug/l	JN
4741-68-8	1(3H)-Isobenzofuranthione	8.83	21	ug/l	JN

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW13:1009		
Lab Sample ID:	T39513-7	**Date Sampled:**	10/07/09
Matrix:	AQ - Ground Water	**Date Received:**	10/08/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

SW-846 8270C

CAS No.	Tentatively Identified Compounds [b]	R.T.	Est. Conc.	Units	Q
1005-64-7	Benzene, 1-butenyl-, (E)-	9.05	30	ug/l	JN
271-89-6	Benzofuran	9.11	33	ug/l	JN
1000129-71-0	2,3-2H-Quinolin-2-one, 3,3-dimethyl-	9.45	25	ug/l	JN
7469-77-4	1-Naphthalenol, 2-methyl-	9.58	30	ug/l	JN
635-46-1	Quinoline, 1,2,3,4-tetrahydro-	9.74	110	ug/l	JN
10500-57-9	Quinoline, 5,6,7,8-tetrahydro-	10.19	400	ug/l	JN
2739-16-4	1(2H)-Quinolinecarboxaldehyde, 3,4-dihyd	10.40	170	ug/l	JN
86-97-5	2-Naphthalenol, 5-amino-	11.05	110	ug/l	JN
230-27-3	Benzo[h]quinoline	11.25	39	ug/l	JN
826-81-3	8-Quinolinol, 2-methyl-	12.04	110	ug/l	JN
27505-79-9	1,2,3,7-Tetramethylindole	12.19	18	ug/l	JN
3610-02-4	4-Hydroxybenzo[b]thiophene	13.11	29	ug/l	JN
942-01-8	1H-Carbazole, 2,3,4,9-tetrahydro-	13.55	23	ug/l	JN
	Total TIC, Semi-Volatile		1778	ug/l	J

(a) Result is from Run# 2
(b) Resorcinol was not detected in the sample.

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW13:1009		
Lab Sample ID:	T39513-7	**Date Sampled:**	10/07/09
Matrix:	AQ - Ground Water	**Date Received:**	10/08/09
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H35622.D	1	10/26/09	SC	10/09/09	OP13270	EH1921
Run #2							

	Initial Volume	Final Volume
Run #1	970 ml	1.0 ml
Run #2		

SW846 8270 PAH Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
208-96-8	Acenaphthylene	2.3	0.21	0.074	ug/l	
120-12-7	Anthracene	10	0.21	0.055	ug/l	
56-55-3	Benzo(a)anthracene	0.042 U	0.21	0.042	ug/l	
50-32-8	Benzo(a)pyrene	0.066 U	0.21	0.066	ug/l	
205-99-2	Benzo(b)fluoranthene	0.062 U	0.21	0.062	ug/l	
207-08-9	Benzo(k)fluoranthene	0.057 U	0.21	0.057	ug/l	
218-01-9	Chrysene	0.046 U	0.21	0.046	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.061 U	0.21	0.061	ug/l	
206-44-0	Fluoranthene	6.4	0.21	0.047	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.062 U	0.21	0.062	ug/l	
129-00-0	Pyrene	3.6	0.21	0.081	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	92% [a]		17-131%
321-60-8	2-Fluorobiphenyl	106% [a]		15-137%
1718-51-0	Terphenyl-d14	101% [a]		10-160%

(a) Recovery was adjusted for 10x spiking.

U = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW13:1009		
Lab Sample ID:	T39513-7	**Date Sampled:**	10/07/09
Matrix:	AQ - Ground Water	**Date Received:**	10/08/09
		Percent Solids:	n/a
Project:	Vertellus-Provo		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Sodium	3410000	250000	6700	ug/l	50	10/13/09	10/19/09	NS	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA4345
(2) Prep QC Batch: MP10445

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW13:1009		
Lab Sample ID:	T39513-7	**Date Sampled:**	10/07/09
Matrix:	AQ - Ground Water	**Date Received:**	10/08/09
		Percent Solids:	n/a
Project:	Vertellus-Provo		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Cyanide	0.037	0.010	0.0040	mg/l	1	10/21/09 12:31	CV	EPA 335.4
Sulfate	4950	100	2.6	mg/l	1	10/11/09 09:00	MC	SM 4500 SO4

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW14:1009		
Lab Sample ID:	T39513-8	**Date Sampled:**	10/07/09
Matrix:	AQ - Ground Water	**Date Received:**	10/08/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F020717.D	1	10/13/09	AP	n/a	n/a	VF3599
Run #2	C0004006.D	100	10/14/09	AP	n/a	n/a	VC175

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

8260 Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	275	50	4.7	ug/l	
71-43-2	Benzene	3280 [a]	200	50	ug/l	
67-66-3	Chloroform	0.64 U	2.0	0.64	ug/l	
75-15-0	Carbon disulfide	0.53 U	2.0	0.53	ug/l	
100-41-4	Ethylbenzene	100	2.0	0.55	ug/l	
74-95-3	Methylene bromide	0.65 U	2.0	0.65	ug/l	
75-09-2	Methylene chloride	0.41 U	5.0	0.41	ug/l	
78-93-3	Methyl ethyl ketone	3.9 U	10	3.9	ug/l	
108-88-3	Toluene	1380 [a]	200	43	ug/l	
1330-20-7	Xylene (total)	378	6.0	1.7	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%	99%	79-122%
17060-07-0	1,2-Dichloroethane-D4	81%	101%	75-121%
2037-26-5	Toluene-D8	87%	95%	87-119%
460-00-4	4-Bromofluorobenzene	93%	79% [b]	80-133%

(a) Result is from Run# 2
(b) Outside control limits due to matrix interference. There were no target compounds associated with this surrogate.

U = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW14:1009		
Lab Sample ID:	T39513-8	**Date Sampled:**	10/07/09
Matrix:	AQ - Ground Water	**Date Received:**	10/08/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J13845.D	40	10/15/09	SC	10/09/09	OP13230	EJ635
Run #2	J13846.D	800	10/15/09	SC	10/09/09	OP13230	EJ635

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml

SW-846 8270C

CAS No.	Compound	Result	RL	MDL	Units	Q
108-98-5	Benzenethiol	52 U	400	52	ug/l	
105-67-9	2,4-Dimethylphenol	2010	200	51	ug/l	
95-48-7	2-Methylphenol	5110 [a]	4000	670	ug/l	
	3&4-Methylphenol	19600 [a]	4000	1300	ug/l	
108-95-2	Phenol	41900 [a]	4000	600	ug/l	
91-20-3	Naphthalene	3630	200	45	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	22%	0% [b]	10-66%
4165-62-2	Phenol-d5	30%	0% [b]	10-53%
118-79-6	2,4,6-Tribromophenol	30% [b]	0% [b]	32-128%
4165-60-0	Nitrobenzene-d5	148% [b]	0% [b]	29-115%
321-60-8	2-Fluorobiphenyl	44%	0% [b]	34-113%
1718-51-0	Terphenyl-d14	66%	0% [b]	12-145%

CAS No.	Tentatively Identified Compounds [c]	R.T.	Est. Conc.	Units	Q
108-99-6	Pyridine, 3-methyl-	3.12	490	ug/l	JN
109-06-8	Pyridine, 2-methyl-	3.19	340	ug/l	JN
108-89-4	Pyridine, 4-methyl-	3.62	650	ug/l	JN
583-61-9	Pyridine, 2,3-dimethyl-	3.82	350	ug/l	JN
589-93-5	Pyridine, 2,5-dimethyl-	4.39	1100	ug/l	JN
591-22-0	Pyridine, 3,5-dimethyl-	4.64	360	ug/l	JN
1462-84-6	Pyridine, 2,3,6-trimethyl-	4.77	390	ug/l	JN
1122-69-6	Pyridine, 2-ethyl-6-methyl-	4.80	300	ug/l	JN
95-53-4	Benzenamine, 2-methyl-	5.11	980	ug/l	JN
533-37-9	2,3-Cyclopentenopyridine	5.47	900	ug/l	JN
496-15-1	1H-Indole, 2,3-dihydro-	5.74	300	ug/l	JN
95-65-8	Phenol, 3,4-dimethyl-	5.81	1300	ug/l	JN
635-46-1	Quinoline, 1,2,3,4-tetrahydro-	5.87	500	ug/l	JN
119-65-3	Isoquinoline	6.35	1200	ug/l	JN

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW14:1009		
Lab Sample ID:	T39513-8	**Date Sampled:**	10/07/09
Matrix:	AQ - Ground Water	**Date Received:**	10/08/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

SW-846 8270C

CAS No.	Tentatively Identified Compounds [c]	R.T.	Est. Conc.	Units	Q
119-65-3	Isoquinoline	6.53	2100	ug/l	JN
491-35-0	Quinoline, 4-methyl-	7.06	290	ug/l	JN
1721-93-3	Isoquinoline, 1-methyl-	7.15	290	ug/l	JN
612-58-8	Quinoline, 3-methyl-	7.46	350	ug/l	JN
1463-17-8	2,8-Dimethylquinoline	7.82	450	ug/l	JN
1198-37-4	Quinoline, 2,4-dimethyl-	7.99	430	ug/l	JN
615-15-6	1H-Benzimidazole, 2-methyl-	8.75	650	ug/l	JN
2861-59-8	1H-Indole-1-carboxaldehyde, 2,3-di	9.21	1300	ug/l	JN
491-30-5	1(2H)-Isoquinolinone	10.72	4800	ug/l	JN
2721-59-7	2(1H)-Quinolinone, 3-methyl-	11.83	820	ug/l	JN
1008-29-3	Oxazole, 4-methyl-5-phenyl-	12.06	840	ug/l	JN
	Total TIC, Semi-Volatile		21480	ug/l	J

(a) Result is from Run# 2
(b) Outside control limits due to dilution.
(c) Resorcinol was not detected in the sample.

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW14:1009		
Lab Sample ID:	T39513-8	**Date Sampled:**	10/07/09
Matrix:	AQ - Ground Water	**Date Received:**	10/08/09
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H35623.D	10	10/26/09	SC	10/09/09	OP13270	EH1921
Run #2	H35624.D	40	10/26/09	SC	10/09/09	OP13270	EH1921

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml

SW846 8270 PAH Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	330 [a]	8.0	1.7	ug/l	
208-96-8	Acenaphthylene	22.7	2.0	0.72	ug/l	
120-12-7	Anthracene	29.8	2.0	0.54	ug/l	
56-55-3	Benzo(a)anthracene	0.41 U	2.0	0.41	ug/l	
50-32-8	Benzo(a)pyrene	0.64 U	2.0	0.64	ug/l	
205-99-2	Benzo(b)fluoranthene	0.60 U	2.0	0.60	ug/l	
207-08-9	Benzo(k)fluoranthene	0.56 U	2.0	0.56	ug/l	
218-01-9	Chrysene	0.44 U	2.0	0.44	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.60 U	2.0	0.60	ug/l	
206-44-0	Fluoranthene	4.7	2.0	0.46	ug/l	
86-73-7	Fluorene	87.4	2.0	0.64	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.61 U	2.0	0.61	ug/l	
85-01-8	Phenanthrene	41.2	2.0	0.75	ug/l	
129-00-0	Pyrene	4.3	2.0	0.79	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	32% [c]	0% [b]	17-131%
321-60-8	2-Fluorobiphenyl	65% [c]	0% [b]	15-137%
1718-51-0	Terphenyl-d14	98% [c]	0% [b]	10-160%

(a) Result is from Run# 2
(b) Outside control limits due to dilution.
(c) Recovery was adjusted for 10x spiking.

U = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW14:1009		
Lab Sample ID:	T39513-8	**Date Sampled:**	10/07/09
Matrix:	AQ - Ground Water	**Date Received:**	10/08/09
		Percent Solids:	n/a
Project:	Vertellus-Provo		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Sodium	8410000	250000	6700	ug/l	50	10/13/09	10/19/09	NS	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA4345
(2) Prep QC Batch: MP10445

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW14:1009		
Lab Sample ID:	T39513-8	**Date Sampled:**	10/07/09
Matrix:	AQ - Ground Water	**Date Received:**	10/08/09
		Percent Solids:	n/a
Project:	Vertellus-Provo		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Cyanide	0.60	0.020	0.0080	mg/l	2	10/21/09 13:41	CV	EPA 335.4
Sulfate	5610	100	2.6	mg/l	1	10/11/09 09:00	MC	SM 4500 SO4

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	T39513-9	**Date Sampled:**	10/07/09
Matrix:	AQ - Trip Blank Water	**Date Received:**	10/08/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F020705.D	1	10/13/09	AP	n/a	n/a	VF3599
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

8260 Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	4.7 U	50	4.7	ug/l	
71-43-2	Benzene	0.50 U	2.0	0.50	ug/l	
67-66-3	Chloroform	0.64 U	2.0	0.64	ug/l	
75-15-0	Carbon disulfide	0.53 U	2.0	0.53	ug/l	
100-41-4	Ethylbenzene	0.55 U	2.0	0.55	ug/l	
74-95-3	Methylene bromide	0.65 U	2.0	0.65	ug/l	
75-09-2	Methylene chloride	0.41 U	5.0	0.41	ug/l	
78-93-3	Methyl ethyl ketone	3.9 U	10	3.9	ug/l	
108-88-3	Toluene	0.43 U	2.0	0.43	ug/l	
1330-20-7	Xylene (total)	1.7 U	6.0	1.7	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		79-122%
17060-07-0	1,2-Dichloroethane-D4	97%		75-121%
2037-26-5	Toluene-D8	88%		87-119%
460-00-4	4-Bromofluorobenzene	91%		80-133%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

ACCUTEST Laboratories

10165 Harwin Dr, Ste 150 Houston, TX 77036
TEL. 713-271-4700 FAX: 713-271-4770
www.accutest.com

PAGE 1 OF 1

FED-EX Tracking #:
Bottle Order Control #:
Accutest Quote #:
Accutest Job #: T39513

Client / Reporting Information

Company Name: ERM
Street Address: 102 West 500 South, Suite 650
City: Salt Lake City State: UT Zip: 84101
Project Contact: Kevin Lundmark E-mail:
Phone #: 801 595-8400 Fax #:
Sampler(s) Name(s): Kris Benson Phone #:

Project Information

Project Name: Vertellus Provo
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analyses

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL- Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB-Field Blank

Accutest Sample #	Field ID / Point of Collection	Date	Time	Sampled By	Matrix	# of bottles	HCl	NaOH	ZnNaOH	HNO3	H2SO4	NONE	DI Water	MEOH	TSP	NaHSO4	ENCORE	OTHER	Volatile/8260	SVOC and SIMPAH/8270	Sodium /6010	Cyanide	Sulfate						LAB USE ONLY
	MW17:1009	10/7/09	8:40	KB	GW	18	3	2		2		8							X	X	X	X	X						MS/MSD
	MW28:1009	10/7/09	10:10			6	3	1				2							X	X		X							
	MW27:1009	10/7/09	11:00			6	3	1				2							X	X		X							
	MW10:1009	10/7/09	12:00			6	3	1				2							X	X		X							
	MW12:1009	10/7/09	13:50			6	3	1				2							X	X		X							
	DUP	10/7/09				6	3	1				2							X	X		X							
	MW13:1009	10/7/09	14:40			8	3	1		1		3							X	X	X	X	X						
	MW14:1009	10/7/09	15:40			8	3	1		1		3							X	X	X	X	X						
	Trip Blank																		X										

Turnaround Time (Business days)

- [xx] Standard
- [ ] 5 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 3 Day *RUSH*
- [ ] 2 Day *RUSH*
- [ ] 1 Day *EMERGENCY*

Approved By (Accutest PM): / Date:

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [xx] FULT1 (Level 3+4)
- [ ] REDT1 (Level 3+4)
- [ ] Commercial "C"
- [ ] TRRP
- [ ] EDD Format
- [ ] Other _____

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC & Surrogate Summary

Comments / Special Instructions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	10/7/09 16:30	1	2 FedEx	10/8/09 9:15	2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #	[ ] Intact [ ] Not intact	Preserved where applicable [ ]

On Ice [ ] Cooler Temp. 0.3

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T39513: Chain of Custody
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SAMPLE INSPECTION FORM

Accutest Job Number: T39513 Client: ERM Date/Time Received: 10/8/09 915

# of Coolers Received: 2 Thermometer #: 1R-1 Temperature Adjustment Factor: +0.4

Cooler Temps: #1: 0.8 #2: 3.0 #3: ____ #4: ____ #5: ____ #6: ____ #7: ____ #8: ____

Method of Delivery: (FEDEX) UPS Accutest Courier Greyhound Delivery Other

Airbill Numbers: ____

COOLER INFORMATION

- [ ] Custody seal missing or not intact
- [ ] Temperature criteria not met
- [ ] Wet ice received in cooler

CHAIN OF CUSTODY

- [ ] Chain of Custody not received
- [ ] Sample D/T unclear or missing
- [ ] Analyses unclear or missing
- [ ] COC not properly executed

SAMPLE INFORMATION

- [ ] Sample containers received broken
- [ ] VOC vials have headspace
- [ ] Sample labels missing or illegible
- [ ] ID on COC does not match label(s)
- [ ] D/T on COC does not match label(s)
- [ ] Sample/Bottles rcvd but no analysis on COC
- [ ] Sample listed on COC, but not received
- [ ] Bottles missing for requested analysis
- [ ] Insufficient volume for analysis
- [ ] Sample received improperly preserved

TRIP BLANK INFORMATION

- [ ] Trip Blank on COC but not received
- [ ] Trip Blank received but not on COC
- [ ] Trip Blank not intact
- [ ] Received Water Trip Blank
- [ ] Received Soil TB

Number of Encores? ____

Number of 5035 kits? ____

Number of lab-filtered metals? ____

Summary of Discrepancies:

1. Received extra containers for MW12: 1009
(1 P250 w/ HNO3 and 1 P250 Non-Preserved.)

TECHNICIAN SIGNATURE/DATE: [signature]

INFORMATION AND SAMPLE LABELING VERIFIED BY: EC 10-8-9

CORRECTIVE ACTIONS

Client Representative Notified: ____ **Date:** ____

By Accutest Representative: ____ **Via:** Phone Email

Client Instructions:

i:\mwalker\form\samplemanagement

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T39513: Chain of Custody

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SAMPLE RECEIPT LOG

JOB #: T39513 DATE/TIME RECEIVED: 10/3/09 0915

CLIENT: ERM INITIALS: PF

COOLER#	SAMPLE ID	FIELD ID	DATE	MATRIX	VOL	BOTTLE #	LOCATION	PRESERV	PH	
1	1	MW17 : 1009 MS/MSD	10/7/09 840	W	LAG	1-4	1G	1 2 3 4 5 6 7 8	<2	>12
2					P250	5-6		1 2 3 4 5 6 7 8	<2	>12
					"	7-8		1 2 3 4 5 6 7 8	<2	>12
					P125	9-10		1 2 3 4 5 6 7 8	<2	>12
					40ml	11-16	VR	1 2 3 4 5 6 7 8	<2	>12
1	2	MW28 : 1009	1010		LAG	1-2	1G	1 2 3 4 5 6 7 8	<2	>12
2					P125	3	"	1 2 3 4 5 6 7 8	<2	>12
"					40ml	4-6	VR	1 2 3 4 5 6 7 8	<2	>12
1	3	MW27 : 1009	1100		LAG	1-2	1G	1 2 3 4 5 6 7 8	<2	>12
2					P125	3	"	1 2 3 4 5 6 7 8	<2	>12
"					40ml	4-6	VR	1 2 3 4 5 6 7 8	<2	>12
1	#34	MW10 : 1009	1200		LAG	1-2	1G	1 2 3 4 5 6 7 8	<2	>12
2					P125	3	"	1 2 3 4 5 6 7 8	<2	>12
"					40ml	4-6	VR	1 2 3 4 5 6 7 8	<2	>12
1	#45	MW12 : 1009	1350		LAG	1-2	1G	1 2 3 4 5 6 7 8	<2	>12
2					P250	3		1 2 3 4 5 6 7 8	<2	>12
					"	4		1 2 3 4 5 6 7 8	<2	>12
					P125	5		1 2 3 4 5 6 7 8	<2	>12
					40ml	6-8	VR	1 2 3 4 5 6 7 8	<2	>12
1	#56	Dup	" —		LAG	1-2 ~~LAG~~	1G	1 2 3 4 5 6 7 8	<2	>12
2			"		P125	3 ~~P125~~	"	1 2 3 4 5 6 7 8	<2	>12
"			"		40ml	4-6	VR	1 2 3 4 5 6 7 8	<2	>12

PRESERVATIVES: 1: None 2: HCL 3: HNO3 4: H2SO4 5: NAOH 6: DI 7: MeOH 8: Other

LOCATION: 1: Walk-In #1 (Waters) 2: Walk-In #2 (Soils) VR: Volatile Fridge M: Metals SUB: Subcontract EF: Encore Freezer

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T39513: Chain of Custody

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ACCUTEST Laboratories T39513

SAMPLE RECEIPT LOG

JOB #: T39513 DATE/TIME RECEIVED: 10/8/09 0715

CLIENT: ERM INITIALS: FF

COOLER#	SAMPLE ID	FIELD ID	DATE	MATRIX	VOL	BOTTLE #	LOCATION	PRESERV	PH	
1	7	MW 13 : 1009	10/7/09 1440	W	LAG	1-2	IG	1 (2) 3 4 5 6 7 8	<2	>12
2					P250	3		(1) 2 3 4 5 6 7 8	<2	>12
					"	4		1 2 (3) 4 5 6 7 8	<2	>12
					P125	5		1 2 3 4 (5) 6 7 8	<2	>12
					40ml	6-8	VR	1 (2) 3 4 5 6 7 8	<2	>12
1	8	MW14 : 100	1540		LAG	1-2	IG	(1) 2 3 4 5 6 7 8	<2	>12
2					P250	3		(1) 2 3 4 5 6 7 8	<2	>12
					"	4		1 2 (3) 4 5 6 7 8	<2	>12
					P125	5		1 2 3 4 (5) 6 7 8	<2	>12
					40ml	6-8	VR	1 (2) 3 4 5 6 7 8	<2	>12
2	9	Trip Blank	—		40ml ~~LAG~~	1-2	VR	1 (2) 3 4 5 6 7 8	<2	>12
					~~P250~~	~~3~~		~~1 2 3 4 5 6 7 8~~	<2	>12
					"	4		1 2 3 4 5 6 7 8	<2	>12
			10/8/09		P125	5		1 2 3 4 5 6 7 8	<2	>12
			FF		40ml	6-8		1 2 3 4 5 6 7 8	<2	>12
								1 2 3 4 5 6 7 8	<2	>12
								1 2 3 4 5 6 7 8	<2	>12
								1 2 3 4 5 6 7 8	<2	>12
								1 2 3 4 5 6 7 8	<2	>12
								1 2 3 4 5 6 7 8	<2	>12
								1 2 3 4 5 6 7 8	<2	>12
								1 2 3 4 5 6 7 8	<2	>12

PRESERVATIVES: 1: None 2: HCL 3: HNO3 4: H2SO4 5: NAOH 6: DI 7: MeOH 8: Other

LOCATION: 1: Walk-In #1 (Waters) 2: Walk-In #2 (Soils) VR: Volatile Fridge M: Metals SUB: Subcontract EF: Encore Freezer

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GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF3599-MB	F020704.D	1	10/13/09	AP	n/a	n/a	VF3599

The QC reported here applies to the following samples: **Method:** SW846 8260B

T39513-1, T39513-2, T39513-3, T39513-4, T39513-5, T39513-7, T39513-8, T39513-9

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	4.7	ug/l	
71-43-2	Benzene	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	2.0	0.64	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.53	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.55	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.65	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.41	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	3.9	ug/l	
108-88-3	Toluene	ND	2.0	0.43	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.7	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	79-122%
17060-07-0	1,2-Dichloroethane-D4	99%	75-121%
2037-26-5	Toluene-D8	87%	87-119%
460-00-4	4-Bromofluorobenzene	90%	80-133%

Method Blank Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF3602-MB	F020751.D	1	10/14/09	AP	n/a	n/a	VF3602

The QC reported here applies to the following samples: **Method:** SW846 8260B

T39513-6

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	4.7	ug/l	
71-43-2	Benzene	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	2.0	0.64	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.53	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.55	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.65	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.41	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	3.9	ug/l	
108-88-3	Toluene	ND	2.0	0.43	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.7	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	79-122%
17060-07-0	1,2-Dichloroethane-D4	99%	75-121%
2037-26-5	Toluene-D8	94%	87-119%
460-00-4	4-Bromofluorobenzene	89%	80-133%

Method Blank Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC175-MB	C0003988.D	1	10/14/09	AP	n/a	n/a	VC175

The QC reported here applies to the following samples: **Method:** SW846 8260B

T39513-4, T39513-5, T39513-8

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	2.0	0.50	ug/l	
108-88-3	Toluene	ND	2.0	0.43	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	109%	79-122%
17060-07-0	1,2-Dichloroethane-D4	108%	75-121%
2037-26-5	Toluene-D8	93%	87-119%
460-00-4	4-Bromofluorobenzene	82%	80-133%

Blank Spike Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF3599-BS	F020701.D	1	10/13/09	AP	n/a	n/a	VF3599

The QC reported here applies to the following samples: **Method:** SW846 8260B

T39513-1, T39513-2, T39513-3, T39513-4, T39513-5, T39513-7, T39513-8, T39513-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	148	118	62-124
71-43-2	Benzene	25	28.7	115	76-118
67-66-3	Chloroform	25	28.0	112	75-117
75-15-0	Carbon disulfide	25	27.7	111	57-126
100-41-4	Ethylbenzene	25	25.0	100	75-112
74-95-3	Methylene bromide	25	28.3	113	68-114
75-09-2	Methylene chloride	25	28.5	114* [a]	70-113
78-93-3	Methyl ethyl ketone	125	93.3	75	62-117
108-88-3	Toluene	25	25.7	103	77-114
1330-20-7	Xylene (total)	75	76.8	102	75-111

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	79-122%
17060-07-0	1,2-Dichloroethane-D4	100%	75-121%
2037-26-5	Toluene-D8	88%	87-119%
460-00-4	4-Bromofluorobenzene	90%	80-133%

(a) Outside control limits biased high. Only ND results for this compound are reported for all the samples associated with this BS.

Blank Spike Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF3602-BS	F020749.D	1	10/14/09	AP	n/a	n/a	VF3602

The QC reported here applies to the following samples: **Method:** SW846 8260B

T39513-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	128	102	62-124
71-43-2	Benzene	25	28.9	116	76-118
67-66-3	Chloroform	25	27.0	108	75-117
75-15-0	Carbon disulfide	25	28.5	114	57-126
100-41-4	Ethylbenzene	25	24.2	97	75-112
74-95-3	Methylene bromide	25	26.5	106	68-114
75-09-2	Methylene chloride	25	27.2	109	70-113
78-93-3	Methyl ethyl ketone	125	89.7	72	62-117
108-88-3	Toluene	25	25.5	102	77-114
1330-20-7	Xylene (total)	75	73.8	98	75-111

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	79-122%
17060-07-0	1,2-Dichloroethane-D4	100%	75-121%
2037-26-5	Toluene-D8	92%	87-119%
460-00-4	4-Bromofluorobenzene	87%	80-133%

Blank Spike Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC175-BS	C0003986.D	1	10/14/09	AP	n/a	n/a	VC175

The QC reported here applies to the following samples: **Method:** SW846 8260B

T39513-4, T39513-5, T39513-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	26.1	104	76-118
108-88-3	Toluene	25	22.2	89	77-114

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	79-122%
17060-07-0	1,2-Dichloroethane-D4	102%	75-121%
2037-26-5	Toluene-D8	100%	87-119%
460-00-4	4-Bromofluorobenzene	90%	80-133%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T39513-1MS	F020708.D	1	10/13/09	AP	n/a	n/a	VF3599
T39513-1MSD	F020709.D	1	10/13/09	AP	n/a	n/a	VF3599
T39513-1	F020707.D	1	10/13/09	AP	n/a	n/a	VF3599

The QC reported here applies to the following samples: **Method:** SW846 8260B

T39513-1, T39513-2, T39513-3, T39513-4, T39513-5, T39513-7, T39513-8, T39513-9

CAS No.	Compound	T39513-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	50 U		125	238	190*	228	182*	4	62-124/21
71-43-2	Benzene	10.9		25	38.3	110	37.5	106	2	76-118/16
67-66-3	Chloroform	2.0 U		25	28.6	114	27.7	111	3	75-117/12
75-15-0	Carbon disulfide	2.0 U		25	27.0	108	26.4	106	2	57-126/13
100-41-4	Ethylbenzene	3.5		25	26.6	92	26.3	91	1	75-112/12
74-95-3	Methylene bromide	2.0 U		25	30.4	122*	30.9	124*	2	68-114/13
75-09-2	Methylene chloride	5.0 U		25	27.1	108	26.9	108	1	70-113/13
78-93-3	Methyl ethyl ketone	10 U		125	121	97	118	94	3	62-117/21
108-88-3	Toluene	2.0 U		25	25.4	102	24.9	100	2	77-114/12
1330-20-7	Xylene (total)	6.0 U		75	72.9	97	70.6	94	3	75-111/12

CAS No.	Surrogate Recoveries	MS	MSD	T39513-1	Limits
1868-53-7	Dibromofluoromethane	99%	99%	100%	79-122%
17060-07-0	1,2-Dichloroethane-D4	106%	102%	101%	75-121%
2037-26-5	Toluene-D8	87%	85%*	87%	87-119%
460-00-4	4-Bromofluorobenzene	89%	87%	91%	80-133%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T39308-1MS	C0003991.D	1	10/14/09	AP	n/a	n/a	VC175
T39308-1MSD	C0003992.D	1	10/14/09	AP	n/a	n/a	VC175
T39308-1	C0003990.D	1	10/14/09	AP	n/a	n/a	VC175
T39308-1	C0003998.D	5	10/14/09	AP	n/a	n/a	VC175

The QC reported here applies to the following samples: **Method:** SW846 8260B

T39513-4, T39513-5, T39513-8

CAS No.	Compound	T39308-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	2.0	U	25	27.3	109	25.5	102	7	76-118/16
108-88-3	Toluene	2.0	U	25	22.1	88	21.3	85	4	77-114/12

CAS No.	Surrogate Recoveries	MS	MSD	T39308-1	T39308-1	Limits
1868-53-7	Dibromofluoromethane	104%	102%	111%	111%	79-122%
17060-07-0	1,2-Dichloroethane-D4	106%	104%	108%	108%	75-121%
2037-26-5	Toluene-D8	98%	98%	99%	97%	87-119%
460-00-4	4-Bromofluorobenzene	85%	86%	80%	81%	80-133%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T39646-6MS	F020764.D	1	10/14/09	AP	n/a	n/a	VF3602
T39646-6MSD	F020765.D	1	10/14/09	AP	n/a	n/a	VF3602
T39646-6	F020763.D	1	10/14/09	AP	n/a	n/a	VF3602

The QC reported here applies to the following samples: **Method:** SW846 8260B

T39513-6

CAS No.	Compound	T39646-6 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	50 U		125	120	96	115	92	4	62-124/21
71-43-2	Benzene	16.4		25	42.8	106	42.2	103	1	76-118/16
67-66-3	Chloroform	2.0 U		25	24.8	99	23.8	95	4	75-117/12
75-15-0	Carbon disulfide	2.0 U		25	25.4	102	24.9	100	2	57-126/13
100-41-4	Ethylbenzene	3.9		25	25.3	86	25.1	85	1	75-112/12
74-95-3	Methylene bromide	2.0 U		25	25.6	102	24.0	96	6	68-114/13
75-09-2	Methylene chloride	5.0 U		25	23.6	94	23.3	93	1	70-113/13
78-93-3	Methyl ethyl ketone	10 U		125	82.6	66	77.4	62	6	62-117/21
108-88-3	Toluene	2.0 U		25	22.8	91	23.4	94	3	77-114/12
1330-20-7	Xylene (total)	5.6	J	75	66.4	81	67.7	83	2	75-111/12

CAS No.	Surrogate Recoveries	MS	MSD	T39646-6	Limits
1868-53-7	Dibromofluoromethane	103%	100%	103%	79-122%
17060-07-0	1,2-Dichloroethane-D4	103%	98%	101%	75-121%
2037-26-5	Toluene-D8	92%	93%	94%	87-119%
460-00-4	4-Bromofluorobenzene	85%	86%	86%	80-133%

Instrument Performance Check (BFB)

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: VC168-BFB
Lab File ID: C0003814.D
Instrument ID: GCMSC
Injection Date: 10/08/09
Injection Time: 09:01

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	4297	15.6		Pass
75	30.0 - 60.0% of mass 95	12131	44.0		Pass
95	Base peak, 100% relative abundance	27563	100.0		Pass
96	5.0 - 9.0% of mass 95	1963	7.1		Pass
173	Less than 2.0% of mass 174	66	0.24	(0.26) [a]	Pass
174	50.0 - 100.0% of mass 95	25283	91.7		Pass
175	5.0 - 9.0% of mass 174	1899	6.9	(7.5) [a]	Pass
176	95.0 - 101.0% of mass 174	24446	88.7	(96.7) [a]	Pass
177	5.0 - 9.0% of mass 176	1712	6.2	(7.0) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VC168-IC168	C0003815.D	10/08/09	09:33	00:32	Initial cal 1
VC168-IC168	C0003816.D	10/08/09	10:01	01:00	Initial cal 2
VC168-IC168	C0003817.D	10/08/09	10:30	01:29	Initial cal 5
VC168-IC168	C0003818.D	10/08/09	10:58	01:57	Initial cal 20
VC168-ICC168	C0003819.D	10/08/09	11:26	02:25	Initial cal 40
VC168-IC168	C0003820.D	10/08/09	11:55	02:54	Initial cal 100
VC168-IC168	C0003821.D	10/08/09	12:23	03:22	Initial cal 200
VC168-ICV168	C0003823.D	10/08/09	13:20	04:19	Initial cal verification 40
VC168-BS	C0003825.D	10/08/09	14:17	05:16	Blank Spike
VC168-MB	C0003827.D	10/08/09	15:14	06:13	Method Blank
ZZZZZZ	C0003828.D	10/08/09	15:42	06:41	(unrelated sample)
T39208-8	C0003831.D	10/08/09	17:08	08:07	(used for QC only; not part of job T39513)
T39208-8MS	C0003832.D	10/08/09	17:36	08:35	Matrix Spike
T39208-8MSD	C0003833.D	10/08/09	18:05	09:04	Matrix Spike Duplicate
ZZZZZZ	C0003835.D	10/08/09	19:01	10:00	(unrelated sample)
ZZZZZZ	C0003836.D	10/08/09	19:30	10:29	(unrelated sample)
ZZZZZZ	C0003837.D	10/08/09	19:59	10:58	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: VC176-BFB
Lab File ID: C0003983.D
Instrument ID: GCMSC
Injection Date: 10/14/09
Injection Time: 10:09

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	2480	21.5		Pass
75	30.0 - 60.0% of mass 95	6458	55.9		Pass
95	Base peak, 100% relative abundance	11547	100.0		Pass
96	5.0 - 9.0% of mass 95	857	7.4		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 100.0% of mass 95	11342	98.2		Pass
175	5.0 - 9.0% of mass 174	758	6.6	(6.7) [a]	Pass
176	95.0 - 101.0% of mass 174	11126	96.4	(98.1) [a]	Pass
177	5.0 - 9.0% of mass 176	752	6.5	(6.8) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VC175-CC168	C0003985.D	10/14/09	11:19	01:10	Continuing cal 40
VC175-BS	C0003986.D	10/14/09	11:57	01:48	Blank Spike
VC175-MB	C0003988.D	10/14/09	12:56	02:47	Method Blank
ZZZZZZ	C0003989.D	10/14/09	13:24	03:15	(unrelated sample)
T39308-1	C0003990.D	10/14/09	13:53	03:44	(used for QC only; not part of job T39513)
T39308-1MS	C0003991.D	10/14/09	14:21	04:12	Matrix Spike
T39308-1MSD	C0003992.D	10/14/09	14:50	04:41	Matrix Spike Duplicate
ZZZZZZ	C0003994.D	10/14/09	15:47	05:38	(unrelated sample)
ZZZZZZ	C0003995.D	10/14/09	16:16	06:07	(unrelated sample)
ZZZZZZ	C0003996.D	10/14/09	16:44	06:35	(unrelated sample)
T39308-1	C0003998.D	10/14/09	17:40	07:31	(used for QC only; not part of job T39513)
ZZZZZZ	C0003999.D	10/14/09	18:09	08:00	(unrelated sample)
ZZZZZZ	C0004000.D	10/14/09	18:37	08:28	(unrelated sample)
ZZZZZZ	C0004001.D	10/14/09	19:05	08:56	(unrelated sample)
ZZZZZZ	C0004002.D	10/14/09	19:34	09:25	(unrelated sample)
ZZZZZZ	C0004003.D	10/14/09	20:02	09:53	(unrelated sample)
T39513-4	C0004004.D	10/14/09	20:31	10:22	MW10:1009
T39513-5	C0004005.D	10/14/09	20:59	10:50	MW12:1009
T39513-8	C0004006.D	10/14/09	21:28	11:19	MW14:1009
ZZZZZZ	C0004007.D	10/14/09	21:56	11:47	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: VF3547-BFB
Lab File ID: F019681.D
Instrument ID: GCMSF
Injection Date: 09/14/09
Injection Time: 11:58

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	27589	22.5		Pass
75	30.0 - 60.0% of mass 95	65813	53.6		Pass
95	Base peak, 100% relative abundance	122850	100.0		Pass
96	5.0 - 9.0% of mass 95	8327	6.8		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 100.0% of mass 95	101570	82.7		Pass
175	5.0 - 9.0% of mass 174	7649	6.2	(7.5) [a]	Pass
176	95.0 - 101.0% of mass 174	98674	80.3	(97.1) [a]	Pass
177	5.0 - 9.0% of mass 176	6644	5.4	(6.7) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VF3547-IC3547	F019682.D	09/14/09	12:31	00:33	Initial cal 1
VF3548-IC3547	F019682.D	09/14/09	12:31	00:33	Initial cal 1
VF3547-IC3547	F019683.D	09/14/09	13:01	01:03	Initial cal 2
VF3548-IC3547	F019683.D	09/14/09	13:01	01:03	Initial cal 2
VF3547-IC3547	F019684.D	09/14/09	13:31	01:33	Initial cal 5
VF3548-IC3547	F019684.D	09/14/09	13:31	01:33	Initial cal 5
VF3547-IC3547	F019685.D	09/14/09	14:01	02:03	Initial cal 20
VF3548-IC3547	F019685.D	09/14/09	14:01	02:03	Initial cal 20
VF3547-ICC3547	F019686.D	09/14/09	14:31	02:33	Initial cal 40
VF3548-ICC3547	F019686.D	09/14/09	14:31	02:33	Initial cal 40
VF3548-IC3547	F019687.D	09/14/09	15:01	03:03	Initial cal 100
VF3547-IC3547	F019687.D	09/14/09	15:01	03:03	Initial cal 100
VF3547-IC3547	F019688.D	09/14/09	15:31	03:33	Initial cal 200
VF3548-IC3547	F019688.D	09/14/09	15:31	03:33	Initial cal 200
VF3547-ICV3547	F019690.D	09/14/09	16:31	04:33	Initial cal verification 40
VF3548-ICV3547	F019690.D	09/14/09	16:31	04:33	Initial cal verification 40
VF3548-BS	F019692.D	09/14/09	17:31	05:33	Blank Spike
VF3548-MB	F019694.D	09/14/09	18:31	06:33	Method Blank
T37033-1	F019703.D	09/14/09	23:02	11:04	(used for QC only; not part of job T39513)
T37033-1MS	F019704.D	09/14/09	23:32	11:34	Matrix Spike
T37033-1MSD	F019705.D	09/15/09	00:02	12:04	Matrix Spike Duplicate
ZZZZZZ	F019707.D	09/15/09	01:01	13:03	(unrelated sample)
ZZZZZZ	F019708.D	09/15/09	01:31	13:33	(unrelated sample)
ZZZZZZ	F019709.D	09/15/09	02:02	14:04	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: VF3547-BFB
Lab File ID: F019681.D
Instrument ID: GCMSF
Injection Date: 09/14/09
Injection Time: 11:58

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	F019710.D	09/15/09	02:32	14:34	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: VF3599-BFB
Lab File ID: F020699.D
Instrument ID: GCMSF
Injection Date: 10/13/09
Injection Time: 08:56

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	6122	21.4		Pass
75	30.0 - 60.0% of mass 95	14835	51.9		Pass
95	Base peak, 100% relative abundance	28568	100.0		Pass
96	5.0 - 9.0% of mass 95	1854	6.5		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 100.0% of mass 95	23032	80.6		Pass
175	5.0 - 9.0% of mass 174	1882	6.6	(8.2) [a]	Pass
176	95.0 - 101.0% of mass 174	22733	79.6	(98.7) [a]	Pass
177	5.0 - 9.0% of mass 176	1490	5.2	(6.6) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VF3599-CC3547	F020700.D	10/13/09	09:31	00:35	Continuing cal 20
VF3599-BS	F020701.D	10/13/09	10:07	01:11	Blank Spike
VF3599-MB	F020704.D	10/13/09	11:41	02:45	Method Blank
T39513-9	F020705.D	10/13/09	12:11	03:15	TRIP BLANK
ZZZZZZ	F020706.D	10/13/09	12:41	03:45	(unrelated sample)
T39513-1	F020707.D	10/13/09	13:11	04:15	MW17:1009
T39513-1MS	F020708.D	10/13/09	13:41	04:45	Matrix Spike
T39513-1MSD	F020709.D	10/13/09	14:11	05:15	Matrix Spike Duplicate
T39513-2	F020711.D	10/13/09	15:11	06:15	MW28:1009
T39513-3	F020712.D	10/13/09	15:41	06:45	MW27:1009
T39513-4	F020713.D	10/13/09	16:11	07:15	MW10:1009
T39513-5	F020714.D	10/13/09	16:41	07:45	MW12:1009
T39513-7	F020716.D	10/13/09	17:41	08:45	MW13:1009
T39513-8	F020717.D	10/13/09	18:11	09:15	MW14:1009
ZZZZZZ	F020719.D	10/13/09	19:12	10:16	(unrelated sample)
ZZZZZZ	F020721.D	10/13/09	20:13	11:17	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: VF3601-BFB
Lab File ID: F020746.D
Instrument ID: GCMSF
Injection Date: 10/14/09
Injection Time: 09:36

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	5947	23.6		Pass
75	30.0 - 60.0% of mass 95	13115	52.0		Pass
95	Base peak, 100% relative abundance	25245	100.0		Pass
96	5.0 - 9.0% of mass 95	1859	7.4		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 100.0% of mass 95	21533	85.3		Pass
175	5.0 - 9.0% of mass 174	1667	6.6	(7.7) [a]	Pass
176	95.0 - 101.0% of mass 174	20584	81.5	(95.6) [a]	Pass
177	5.0 - 9.0% of mass 176	1403	5.6	(6.8) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VF3602-CC3547	F020748.D	10/14/09	10:53	01:17	Continuing cal 40
VF3602-BS	F020749.D	10/14/09	11:27	01:51	Blank Spike
VF3602-MB	F020751.D	10/14/09	12:29	02:53	Method Blank
T39646-6	F020763.D	10/14/09	18:31	08:55	(used for QC only; not part of job T39513)
T39646-6MS	F020764.D	10/14/09	19:01	09:25	Matrix Spike
T39646-6MSD	F020765.D	10/14/09	19:31	09:55	Matrix Spike Duplicate
T39513-6	F020767.D	10/14/09	20:32	10:56	DUP
ZZZZZZ	F020768.D	10/14/09	21:02	11:26	(unrelated sample)
ZZZZZZ	F020769.D	10/14/09	21:32	11:56	(unrelated sample)

Volatile Internal Standard Area Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Check Std:	VC175-CC168	**Injection Date:**	10/14/09
Lab File ID:	C0003985.D	**Injection Time:**	11:19
Instrument ID:	GCMSC	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	1255911	10.40	1120973	13.55	567369	15.95
Upper Limit [a]	2511822	10.90	2241946	14.05	1134738	16.45
Lower Limit [b]	627956	9.90	560487	13.05	283685	15.45

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
VC175-BS	1279831	10.40	1123358	13.55	578064	15.95
VC176-BS	1279831	10.40	1123358	13.55	578064	15.95
VC175-MB	1114379	10.40	919773	13.55	423247	15.95
VC176-MB	1114379	10.40	919773	13.55	423247	15.95
ZZZZZZ	1084525	10.40	890984	13.55	411860	15.95
T39308-1	1098344	10.40	896469	13.55	428804	15.95
T39308-1MS	1231827	10.40	1102693	13.55	571645	15.95
T39308-1MSD	1256212	10.40	1107442	13.54	574627	15.95
ZZZZZZ	1115644	10.40	919326	13.55	435542	15.95
ZZZZZZ	1113947	10.40	918098	13.55	434600	15.95
ZZZZZZ	1102029	10.40	907361	13.55	435202	15.95
T39308-1	1063382	10.40	883355	13.55	412137	15.95
ZZZZZZ	1044574	10.40	881908	13.55	402984	15.95
ZZZZZZ	1168998	10.40	941929	13.55	417457	15.95
ZZZZZZ	1058291	10.40	898447	13.55	404449	15.95
ZZZZZZ	1036275	10.40	883792	13.55	398784	15.95
ZZZZZZ	1018122	10.40	864758	13.55	398644	15.95
T39513-4	1132864	10.40	877090	13.55	538654	15.95
T39513-5	1186439	10.40	923317	13.55	516256	15.95
T39513-8	1226608	10.40	949701	13.55	477881	15.95
ZZZZZZ	1200429	10.40	945582	13.55	509533	15.95
ZZZZZZ	1189182	10.40	974396	13.55	449665	15.95
T39771-1	1192025	10.40	925028	13.55	427255	15.95
T39771-1MS	1232369	10.40	1095865	13.55	572705	15.95
T39771-1MSD	1272221	10.40	1123067	13.55	576569	15.95

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Check Std:	VC176-CC168	**Injection Date:**	10/14/09
Lab File ID:	C0003985.D	**Injection Time:**	11:19
Instrument ID:	GCMSC	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	1255911	10.40	1120973	13.55	567369	15.95
Upper Limit [a]	2511822	10.90	2241946	14.05	1134738	16.45
Lower Limit [b]	627956	9.90	560487	13.05	283685	15.45

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
VC175-BS	1279831	10.40	1123358	13.55	578064	15.95
VC176-BS	1279831	10.40	1123358	13.55	578064	15.95
VC175-MB	1114379	10.40	919773	13.55	423247	15.95
VC176-MB	1114379	10.40	919773	13.55	423247	15.95
ZZZZZZ	1084525	10.40	890984	13.55	411860	15.95
T39308-1	1098344	10.40	896469	13.55	428804	15.95
T39308-1MS	1231827	10.40	1102693	13.55	571645	15.95
T39308-1MSD	1256212	10.40	1107442	13.54	574627	15.95
ZZZZZZ	1115644	10.40	919326	13.55	435542	15.95
ZZZZZZ	1113947	10.40	918098	13.55	434600	15.95
ZZZZZZ	1102029	10.40	907361	13.55	435202	15.95
T39308-1	1063382	10.40	883355	13.55	412137	15.95
ZZZZZZ	1044574	10.40	881908	13.55	402984	15.95
ZZZZZZ	1168998	10.40	941929	13.55	417457	15.95
ZZZZZZ	1058291	10.40	898447	13.55	404449	15.95
ZZZZZZ	1036275	10.40	883792	13.55	398784	15.95
ZZZZZZ	1018122	10.40	864758	13.55	398644	15.95
T39513-4	1132864	10.40	877090	13.55	538654	15.95
T39513-5	1186439	10.40	923317	13.55	516256	15.95
T39513-8	1226608	10.40	949701	13.55	477881	15.95
ZZZZZZ	1200429	10.40	945582	13.55	509533	15.95
ZZZZZZ	1189182	10.40	974396	13.55	449665	15.95
T39771-1	1192025	10.40	925028	13.55	427255	15.95
T39771-1MS	1232369	10.40	1095865	13.55	572705	15.95
T39771-1MSD	1272221	10.40	1123067	13.55	576569	15.95

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Check Std:	VF3599-CC3547	**Injection Date:**	10/13/09
Lab File ID:	F020700.D	**Injection Time:**	09:31
Instrument ID:	GCMSF	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	989173	10.62	744552	14.59	420199	17.78
Upper Limit [a]	1978346	11.12	1489104	15.09	840398	18.28
Lower Limit [b]	494587	10.12	372276	14.09	210100	17.28

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
VF3599-BS	902378	10.62	712599	14.59	417986	17.77
VF3599-MB	870424	10.62	692754	14.58	391902	17.77
T39513-9	906672	10.62	702935	14.58	394350	17.78
ZZZZZZ	921085	10.62	732192	14.58	411701	17.77
T39513-1	901716	10.63	699614	14.59	389551	17.78
T39513-1MS	884608	10.62	710747	14.60	405839	17.77
T39513-1MSD	893096	10.62	718086	14.59	408402	17.78
T39513-2	922594	10.63	719061	14.59	407732	17.78
T39513-3	909863	10.62	708466	14.59	400880	17.78
T39513-4	887946	10.63	725152	14.60	399142	17.79
T39513-5	1280437	10.64	996217	14.60	547172	17.79
T39513-7	1307320	10.63	1029110	14.60	558772	17.80
T39513-8	1288277	10.63	1035076	14.61	526938	17.79
ZZZZZZ	1375594	10.65	1077863	14.61	592428	17.80
ZZZZZZ	1205197	10.64	961600	14.60	486462	17.80

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Check Std:	VF3601-CC3547	**Injection Date:**	10/14/09
Lab File ID:	F020748.D	**Injection Time:**	10:53
Instrument ID:	GCMSF	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	918691	10.62	752317	14.60	442378	17.79
Upper Limit [a]	1837382	11.12	1504634	15.10	884756	18.29
Lower Limit [b]	459346	10.12	376159	14.10	221189	17.29

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
VF3601-BS	1027632	10.64	822607	14.60	479799	17.79
VF3602-BS	1027632	10.64	822607	14.60	479799	17.79
VF3602-MB	1033332	10.64	822597	14.60	460325	17.80
VF3601-MB	1033332	10.64	822597	14.60	460325	17.80
OP13245-LB	966112	10.63	770548	14.60	440801	17.79
T39643-1	962905	10.64	777194	14.61	446293	17.79
T39643-1MS	972713	10.64	783951	14.61	457861	17.80
T39643-1MSD	988472	10.65	795738	14.61	460923	17.80
ZZZZZZ	966491	10.64	779166	14.61	438514	17.80
ZZZZZZ	970038	10.64	771329	14.61	430723	17.81
ZZZZZZ	906321	10.64	724731	14.61	424499	17.80
ZZZZZZ	931238	10.64	741892	14.62	425747	17.80
ZZZZZZ	955364	10.65	751698	14.62	433391	17.81
ZZZZZZ	989343	10.65	772110	14.61	440271	17.80
T39646-6	904865	10.64	715250	14.61	411060	17.80
T39646-6MS	925486	10.64	767573	14.61	444834	17.80
T39646-6MSD	957713	10.64	757812	14.61	443125	17.80
T39513-6	965849	10.64	784979	14.60	450344	17.80
ZZZZZZ	916894	10.64	750960	14.61	432835	17.80
ZZZZZZ	1051278	10.64	850720	14.61	481674	17.80

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Check Std:	VF3602-CC3547	**Injection Date:**	10/14/09
Lab File ID:	F020748.D	**Injection Time:**	10:53
Instrument ID:	GCMSF	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	918691	10.62	752317	14.60	442378	17.79
Upper Limit [a]	1837382	11.12	1504634	15.10	884756	18.29
Lower Limit [b]	459346	10.12	376159	14.10	221189	17.29

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
VF3601-BS	1027632	10.64	822607	14.60	479799	17.79
VF3602-BS	1027632	10.64	822607	14.60	479799	17.79
VF3602-MB	1033332	10.64	822597	14.60	460325	17.80
VF3601-MB	1033332	10.64	822597	14.60	460325	17.80
OP13245-LB	966112	10.63	770548	14.60	440801	17.79
T39643-1	962905	10.64	777194	14.61	446293	17.79
T39643-1MS	972713	10.64	783951	14.61	457861	17.80
T39643-1MSD	988472	10.65	795738	14.61	460923	17.80
ZZZZZZ	966491	10.64	779166	14.61	438514	17.80
ZZZZZZ	970038	10.64	771329	14.61	430723	17.81
ZZZZZZ	906321	10.64	724731	14.61	424499	17.80
ZZZZZZ	931238	10.64	741892	14.62	425747	17.80
ZZZZZZ	955364	10.65	751698	14.62	433391	17.81
ZZZZZZ	989343	10.65	772110	14.61	440271	17.80
T39646-6	904865	10.64	715250	14.61	411060	17.80
T39646-6MS	925486	10.64	767573	14.61	444834	17.80
T39646-6MSD	957713	10.64	757812	14.61	443125	17.80
T39513-6	965849	10.64	784979	14.60	450344	17.80
ZZZZZZ	916894	10.64	750960	14.61	432835	17.80
ZZZZZZ	1051278	10.64	850720	14.61	481674	17.80

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Surrogate Recovery Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Method: SW846 8260B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
T39513-1	F020707.D	100.0	101.0	87.0	91.0
T39513-2	F020711.D	98.0	94.0	87.0	89.0
T39513-3	F020712.D	98.0	93.0	87.0	90.0
T39513-4	C0004004.D	102.0	107.0	95.0	68.0* [a]
T39513-4	F020713.D	104.0	98.0	87.0	92.0
T39513-5	C0004005.D	100.0	104.0	93.0	76.0* [a]
T39513-5	F020714.D	91.0	82.0	87.0	90.0
T39513-6	F020767.D	104.0	104.0	93.0	87.0
T39513-7	F020716.D	94.0	87.0	87.0	90.0
T39513-8	C0004006.D	99.0	101.0	95.0	79.0* [a]
T39513-8	F020717.D	94.0	81.0	87.0	93.0
T39513-9	F020705.D	99.0	97.0	88.0	91.0
T39308-1MS	C0003991.D	104.0	106.0	98.0	85.0
T39308-1MSD	C0003992.D	102.0	104.0	98.0	86.0
T39513-1MS	F020708.D	99.0	106.0	87.0	89.0
T39513-1MSD	F020709.D	99.0	102.0	85.0*	87.0
T39646-6MS	F020764.D	103.0	103.0	92.0	85.0
T39646-6MSD	F020765.D	100.0	98.0	93.0	86.0
VC175-BS	C0003986.D	103.0	102.0	100.0	90.0
VC175-MB	C0003988.D	109.0	108.0	93.0	82.0
VF3599-BS	F020701.D	99.0	100.0	88.0	90.0
VF3599-MB	F020704.D	100.0	99.0	87.0	90.0
VF3602-BS	F020749.D	101.0	100.0	92.0	87.0
VF3602-MB	F020751.D	101.0	99.0	94.0	89.0
OP13245-LB	F020752.D	104.0	103.0	94.0	89.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	79-122%
S2 = 1,2-Dichloroethane-D4	75-121%
S3 = Toluene-D8	87-119%
S4 = 4-Bromofluorobenzene	80-133%

(a) Outside control limits due to matrix interference. There were no target compounds associated with this surrogate.

Initial Calibration Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: VC168-ICC168
Lab FileID: C0003819.D


```
                    Response Factor Report  TXMSC

Method       : C:\msdchem\1\METHODS\VC168.m (RTE Integrator)
Title        : SW846 8260B and EPA624
Last Update  : Thu Oct 08 12:49:21 2009
Response via : Initial Calibration

Calibration Files
5   =C0003817.D  1   =C0003815.D  40  =C0003819.D  20  =C0003818.D
100 =C0003820.D  200 =C0003821.D  2   =C0003816.D      =

 Compound         5     1     40    20    100   200   2           Avg %RSD
-------------------------------------------------------------------------------

1) I   Fluorobenzene         ----------------ISTD---------------------
2) Dichlorodifl 0.204 0.201 0.205 0.186 0.202 0.197 0.192       0.198   3.55
3) Chloromethan 0.202 0.205 0.188 0.159 0.174 0.168 0.197       0.185   9.77
4) Vinyl Chlori 0.193 0.201 0.192 0.166 0.174 0.171 0.190       0.184   7.33
5) Bromomethane 0.177 0.200 0.164 0.148 0.138 0.119 0.187       0.162  17.66
           ---- Linear regression ----  Coefficient =  0.9921
             Response Ratio = 0.01270 + 0.12002 *A

6) Chloroethane 0.132 0.159 0.120 0.108 0.105 0.100 0.120       0.120  16.63
           ---- Linear regression ----  Coefficient =  0.9984
             Response Ratio = 0.00504 + 0.09988 *A

7) Trichloroflu 0.330 0.333 0.309 0.283 0.299 0.297 0.315       0.309   5.93
8) Ethyl Ether  0.182 0.184 0.190 0.157 0.187 0.179 0.160       0.177   7.47
9) Acrolein     0.002       0.002 0.002 0.003 0.003 0.001       0.002  26.12
           ---- Linear regression ----  Coefficient =  0.9993
             Response Ratio = -0.00080 + 0.00265 *A

10) 1,1-Dichloro 0.311 0.307 0.347 0.286 0.356 0.346 0.270       0.317  10.39
11) Freon 113    0.217 0.204 0.213 0.188 0.211 0.199 0.206       0.205   4.72
12) Acetone      0.055 0.076 0.053 0.048 0.053 0.051 0.064       0.057  17.31
           ---- Linear regression ----  Coefficient =  0.9997
             Response Ratio = 0.00236 + 0.05128 *A

13) Iodomethane  0.392 0.370 0.450 0.366 0.457 0.448 0.358       0.406  10.86
14) Methyl Aceta 0.139 0.122 0.148 0.130 0.145 0.136 0.135       0.137   6.43
15) Carbon Disul 0.689 0.696 0.736 0.635 0.736 0.713 0.661       0.695   5.43
16) Methylene Ch 0.419 0.864 0.322 0.298 0.302 0.282 0.578       0.438  49.13
           ---- Linear regression ----  Coefficient =  0.9988
             Response Ratio = 0.01758 + 0.28062 *A

17) Tert Butyl A 0.006 0.005 0.007 0.006 0.007 0.006 0.006       0.006   8.67
18) trans-1,2-Di 0.317 0.287 0.353 0.297 0.348 0.329 0.286       0.317   8.79
19) Acrylonitril 0.066 0.054 0.074 0.064 0.074 0.070 0.061       0.066  11.07
20) Methyl Tert  0.486 0.387 0.686 0.545 0.709 0.698 0.440       0.565  23.63
           ---- Linear regression ----  Coefficient =  0.9995
             Response Ratio = -0.02037 + 0.70558 *A

21) Hexane       0.111 0.095 0.136 0.113 0.142 0.134 0.094       0.118  16.80
           ---- Linear regression ----  Coefficient =  0.9986
             Response Ratio = -0.00114 + 0.13559 *A

22) 1,1-Dichloro 0.453 0.416 0.445 0.387 0.429 0.400 0.407       0.420   5.70
23) Vinyl Acetat 0.357 0.216 0.433 0.372 0.412 0.365 0.278       0.348  21.80
           ---- Linear regression ----  Coefficient =  0.9955
             Response Ratio = 0.06895 + 0.37152 *A
```

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24) Di-isopropyl 0.490 0.375 0.676 0.539 0.678 0.651 0.429       0.548  22.50
            ---- Linear regression ----  Coefficient =  0.9991
              Response Ratio = -0.00859 + 0.65897 *A

25) Ethyl tert-b 0.519 0.370 0.711 0.568 0.727 0.704 0.442       0.577  24.63
            ---- Linear regression ----  Coefficient =  0.9993
              Response Ratio = -0.01470 + 0.71312 *A

26) 2,2-Dichloro 0.292 0.275 0.309 0.272 0.302 0.289 0.274       0.287   5.11
27) cis-1,2-Dich 0.265 0.251 0.292 0.248 0.281 0.262 0.228       0.261   8.21
28) 2-Butanone   0.216 0.177 0.258 0.226 0.256 0.238 0.200       0.224  13.15
29) Bromochlorom 0.163 0.148 0.164 0.144 0.159 0.150 0.155       0.155   5.05
30) Chloroform   0.485 0.562 0.466 0.407 0.457 0.424 0.456       0.465  10.78
31) Tetrahydrofu 0.042 0.033 0.055 0.047 0.057 0.052 0.039       0.047  18.56
            ---- Linear regression ----  Coefficient =  0.9977
              Response Ratio = 0.00033 + 0.05264 *A

32) 1,1,1-Trichl 0.333 0.284 0.364 0.305 0.363 0.350 0.312       0.330   9.32
33) Dibromofluor 0.256 0.289 0.264 0.226 0.248 0.245 0.255       0.255   7.49
34) Cyclohexane  0.176 0.130 0.239 0.200 0.246 0.234 0.144       0.195  24.00
            ---- Linear regression ----  Coefficient =  0.9991
              Response Ratio = -0.00294 + 0.23697 *A

35) n-Butyl Alco 0.000 0.001 0.002 0.002 0.002 0.002 0.001       0.002  51.10
            ---- Linear regression ----  Coefficient =  0.9986
              Response Ratio = -0.00189 + 0.00241 *A

36) 1,1-Dichloro 0.250 0.190 0.318 0.275 0.322 0.299 0.208       0.266  19.63
            ---- Linear regression ----  Coefficient =  0.9984
              Response Ratio = 0.00126 + 0.30328 *A

37) Isobutyl Alc 0.005 0.003 0.006 0.005 0.007 0.007 0.004       0.005  25.94
            ---- Linear regression ----  Coefficient =  0.9996
              Response Ratio = -0.00249 + 0.00664 *A

38) Carbon Tetra 0.293 0.259 0.312 0.272 0.316 0.302 0.265       0.288   7.97
39) 1,2-Dichloro 0.290 0.309 0.284 0.251 0.264 0.252 0.279       0.275   7.76
40) Benzene      1.058 0.902 1.093 0.963 1.037 0.928 0.953       0.991   7.27
41) 1,2-Dichloro 0.342 0.300 0.350 0.304 0.340 0.322 0.318       0.325   5.91
42) tert-amyl me 0.500 0.332 0.704 0.565 0.725 0.682 0.400       0.558  27.79
            ---- Linear regression ----  Coefficient =  0.9986
              Response Ratio = -0.00869 + 0.69310 *A

43) Trichloroeth 0.238 0.223 0.259 0.212 0.262 0.252 0.231       0.239   7.91
44) Methylcycloh 0.141 0.213 0.208 0.161 0.224 0.215 0.112       0.182  24.14
            ---- Linear regression ----  Coefficient =  0.9990
              Response Ratio = -0.00668 + 0.21857 *A

45) 1,2-Dichloro 0.229 0.213 0.263 0.223 0.255 0.238 0.221       0.234   7.84
46) Dibromometha 0.168 0.153 0.176 0.151 0.172 0.163 0.157       0.163   5.80
47) 1,4-Dioxane  0.002 0.001 0.003 0.002 0.003 0.003 0.002       0.002  32.60
            ---- Linear regression ----  Coefficient =  0.9995
              Response Ratio = -0.00273 + 0.00289 *A

48) Bromodichlor 0.301 0.339 0.342 0.282 0.344 0.336 0.290       0.319   8.46
49) 2-Nitropropa 0.041 0.029 0.046 0.038 0.058 0.058 0.038       0.044  24.34
            ---- Linear regression ----  Coefficient =  0.9980
              Response Ratio = -0.01864 + 0.05858 *A
```

Initial Calibration Summary

Job Number: T39513 **Sample:** VC168-ICC168
Account: ERMUTSLC ERM Salt Lake City **Lab FileID:** C0003819.D
Project: Vertellus-Provo

```
50) 2-Chloroethy 0.110 0.067 0.161 0.134 0.155 0.136 0.083       0.121  29.47
            ---- Linear regression ----  Coefficient =  0.9948
              Response Ratio = 0.02091 + 0.13907 *A

51) 4-Methyl-2-p 0.141 0.089 0.179 0.155 0.175 0.160 0.114       0.145  22.65
            ---- Linear regression ----  Coefficient =  0.9975
              Response Ratio = 0.01475 + 0.16226 *A

52) cis-1,3-Dich 0.333 0.259 0.437 0.345 0.444 0.426 0.286       0.362  20.78
            ---- Linear regression ----  Coefficient =  0.9991
              Response Ratio = -0.00629 + 0.43116 *A


53) I   Chlorobenzene-d5      ----------------ISTD---------------------
54) Toluene-d8   1.014 1.007 1.148 0.953 1.093 1.073 0.935       1.032   7.45
55) Toluene      1.208 0.964 1.400 1.179 1.363 1.282 1.048       1.206  13.22
56) trans-1,3-Di 0.340 0.254 0.444 0.365 0.458 0.445 0.293       0.371  21.76
            ---- Linear regression ----  Coefficient =  0.9995
              Response Ratio = -0.00910 + 0.44994 *A

57) 1,1,2-Trichl 0.258 0.276 0.262 0.231 0.257 0.246 0.257       0.255   5.42
58) Tetrachloroe 0.319 0.325 0.333 0.286 0.335 0.328 0.311       0.320   5.25
59) 2-hexanone   0.109 0.067 0.154 0.130 0.155 0.146 0.086       0.121  28.82
            ---- Linear regression ----  Coefficient =  0.9987
              Response Ratio = -0.00374 + 0.14837 *A

60) 1,3-Dichloro 0.501 0.406 0.537 0.464 0.517 0.489 0.449       0.481   9.27
61) Dibromochlor 0.280 0.217 0.336 0.271 0.350 0.352 0.271       0.297  17.07
            ---- Linear regression ----  Coefficient =  0.9996
              Response Ratio = -0.01169 + 0.35488 *A

62) 1,2-Dibromoe 0.270 0.229 0.319 0.269 0.327 0.319 0.273       0.287  12.59
63) 1-Chlorohexa 0.143 0.125 0.248 0.178 0.272 0.269 0.125       0.194  34.55
            ---- Linear regression ----  Coefficient =  0.9990
              Response Ratio = -0.01426 + 0.27323 *A

64) Chlorobenzen 0.970 0.933 0.988 0.842 0.950 0.890 0.965       0.934   5.49
65) 1,1,1,2-Tetr 0.309 0.287 0.345 0.287 0.345 0.338 0.321       0.319   8.02
66) Ethylbenzene 1.208 1.183 1.409 1.178 1.368 1.286 1.159       1.256   7.96
67) m,p-Xylene   0.887 0.704 1.075 0.903 1.049 0.974 1.456       1.007  23.15
            ---- Linear regression ----  Coefficient =  0.9982
              Response Ratio = 0.03332 + 0.98521 *A

68) o-Xylene     0.750 0.590 1.115 0.861 1.123 1.067 0.629       0.876  26.08
            ---- Linear regression ----  Coefficient =  0.9988
              Response Ratio = -0.01548 + 1.08304 *A

69) Styrene      0.663 0.433 0.998 0.789 0.998 0.936 0.483       0.757  31.33
            ---- Linear regression ----  Coefficient =  0.9984
              Response Ratio = -0.00729 + 0.95073 *A

70) Bromoform    0.179 0.150 0.227 0.176 0.248 0.258 0.172       0.202  20.88
            ---- Linear regression ----  Coefficient =  0.9990
              Response Ratio = -0.01462 + 0.25947 *A


71) I   1,4-Dichlorobenzene-d ----------------ISTD---------------------
72) Isopropylben 1.262 1.068 1.958 1.507 2.014 1.933 1.074       1.545  27.35
            ---- Linear regression ----  Coefficient =  0.9990
              Response Ratio = -0.04580 + 1.96203 *A
```

```
73) Cyclohexanon 0.009 0.005 0.012 0.010 0.013 0.013 0.009       0.010  28.17
            ---- Linear regression ----  Coefficient =  0.9992
              Response Ratio = -0.00703 + 0.01334 *A

74) 4-Bromofluor 0.711 0.877 0.878 0.704 0.851 0.838 0.670       0.790  11.46
75) Bromobenzene 0.881 0.747 0.942 0.804 0.908 0.860 0.782       0.846   8.38
76) 1,1,2,2-Tetr 0.770 0.741 0.802 0.726 0.786 0.756 0.719       0.757   4.08
77) Trans-1,4-Di 0.161 0.125 0.208 0.174 0.208 0.202 0.133       0.173  20.06
            ---- Linear regression ----  Coefficient =  0.9995
              Response Ratio = -0.00252 + 0.20402 *A

78) 1,2,3-Trichl 0.273 0.166 0.249 0.232 0.239 0.223 0.231       0.230  14.20
79) n-Propylbenz 1.828 1.430 2.564 2.103 2.552 2.369 1.443       2.041  23.85
            ---- Linear regression ----  Coefficient =  0.9981
              Response Ratio = 0.00437 + 2.40635 *A

80) 2-Chlorotolu 1.835 1.249 2.078 1.795 2.003 1.886 1.466       1.759  16.91
            ---- Linear regression ----  Coefficient =  0.9987
              Response Ratio = 0.02580 + 1.90441 *A

81) 4-Chlorotolu 1.538 1.165 1.909 1.583 1.903 1.805 1.281       1.598  18.50
            ---- Linear regression ----  Coefficient =  0.9990
              Response Ratio = -0.00428 + 1.82701 *A

82) 1,3,5-Trimet 1.266 0.914 1.883 1.511 1.896 1.819 0.965       1.465  28.98
            ---- Linear regression ----  Coefficient =  0.9991
              Response Ratio = -0.02928 + 1.84331 *A

83) sec-Butylben 1.449 1.118 2.009 1.634 2.078 1.973 1.128       1.627  25.21
            ---- Linear regression ----  Coefficient =  0.9989
              Response Ratio = -0.03058 + 2.00203 *A

84) 1,3-Dichloro 1.308 1.156 1.400 1.199 1.390 1.325 1.189       1.281   7.77
85) 4-Isopropylt 1.133 0.852 1.728 1.369 1.777 1.702 0.896       1.351  29.48
            ---- Linear regression ----  Coefficient =  0.9991
              Response Ratio = -0.03644 + 1.72748 *A

86) 1,4-Dichloro 1.510 1.605 1.513 1.316 1.482 1.412 1.485       1.475   6.12
87) tert-Butylbe 0.636 0.597 0.914 0.736 0.949 0.910 0.558       0.757  21.89
            ---- Linear regression ----  Coefficient =  0.9991
              Response Ratio = -0.01835 + 0.92232 *A

88) n-Butylbenze 1.132 1.006 1.485 1.212 1.532 1.433 0.974       1.253  18.39
            ---- Linear regression ----  Coefficient =  0.9985
              Response Ratio = -0.00982 + 1.45493 *A

89) 1,2-Dichloro 1.283 1.195 1.398 1.182 1.392 1.343 1.235       1.290   6.99
90) 1,2,4-Trimet 1.435 1.024 2.053 1.678 2.034 1.935 1.048       1.601  27.64
            ---- Linear regression ----  Coefficient =  0.9989
              Response Ratio = -0.01444 + 1.96034 *A

91) 1,2-Dibromo- 0.088 0.090 0.101 0.088 0.108 0.113 0.093       0.097  10.35
92) 1,2,4-Trichl 0.520 0.515 0.610 0.502 0.662 0.666 0.480       0.565  13.95
93) Hexachlorobu 0.326 0.457 0.307 0.292 0.340 0.312 0.312       0.335  16.70
            ---- Linear regression ----  Coefficient =  0.9979
              Response Ratio = 0.00248 + 0.31605 *A

94) Naphthalene  0.773 0.722 1.207 0.900 1.373 1.423 0.772       1.024  29.51
            ---- Linear regression ----  Coefficient =  0.9986
```

Initial Calibration Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: VC168-ICC168
Lab FileID: C0003819.D

```
                Response Ratio = -0.09902 + 1.43776 *A

95) 1,2,3-Trichl 0.382 0.370 0.458 0.384 0.501 0.492 0.362       0.421  14.31

96) I   1,4-Dichlorobenzene-d ----------------ISTD---------------------
97) TPH-GRO (C6- 3.641       4.835 4.001 2.422                   3.725  26.90
---------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          VC168.m           Thu Oct 08 15:01:46 2009
```

Initial Calibration Verification

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: VC168-ICV168
Lab FileID: C0003823.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\VC0168\C0003823.D Vial: 10
Acq On : 8 Oct 2009 1:20 pm Operator: AnjanaP
Sample : icv168-40 Inst : TXMSC
Misc : ms7089,VC0168,5,,,5,,WATER Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\VC168.m (RTE Integrator)
Title : SW846 8260B and EPA624
Last Update : Thu Oct 08 12:49:21 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	102	0.00	10.40
2	Dichlorodifluoromethane	0.198	0.166	16.2	83	0.00	4.38
3 P	Chloromethane	0.185	0.192	-3.8	105	-0.01	4.79
4 C	Vinyl Chloride	0.184	0.197	-7.1	105	0.00	5.05
	----------	Amount	Calc.	%Drift		----------	
5	Bromomethane	40.000	45.826	-14.6	96	0.00	5.68
6	Chloroethane	40.000	42.983	-7.5	97	0.00	5.84
	----------	AvgRF	CCRF	%Dev		----------	
7	Trichlorofluoromethane	0.309	0.287	7.1	95	0.01	6.26
8	Ethyl Ether	0.177	0.181	-2.3	97	0.00	6.62
	----------	Amount	Calc.	%Drift		----------	
9	Acrolein	200.000	124.760	37.6#	60	0.00	6.94
	----------	AvgRF	CCRF	%Dev		----------	
10 C	1,1-Dichloroethene	0.317	0.279	12.0	82	0.00	7.05
11	Freon 113	0.205	0.172	16.1	83	0.00	6.95
	----------	Amount	Calc.	%Drift		----------	
12	Acetone	200.000	200.030	-0.0	100	-0.01	7.13
	----------	AvgRF	CCRF	%Dev		----------	
13	Iodomethane	0.406	0.383	5.7	87	0.00	7.33
14	Methyl Acetate	0.137	0.133	2.9	92	-0.01	7.49
15	Carbon Disulfide	0.695	0.594	14.5	83	0.00	7.44
	----------	Amount	Calc.	%Drift		----------	
16	Methylene Chloride	40.000	35.506	11.2	86	0.00	7.73
	----------	AvgRF	CCRF	%Dev		----------	
17	Tert Butyl Alcohol	0.006	0.006	0.0	92	0.00	7.50
18	trans-1,2-Dichloroethene	0.317	0.292	7.9	85	0.00	8.01
19	Acrylonitrile	0.066	0.069	-4.5	96	0.00	8.07
	----------	Amount	Calc.	%Drift		----------	
20	Methyl Tert Butyl Ether	40.000	35.818	10.5	91	0.00	7.93
21	Hexane	40.000	30.715	23.2#	77	0.01	8.20
	----------	AvgRF	CCRF	%Dev		----------	
22 P	1,1-Dichloroethane	0.420	0.371	11.7	86	0.00	8.56

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Project: Vertellus-Provo

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Lab FileID: C0003823.D

			Amount	Calc.	%Drift			
23		Vinyl Acetate	200.000	193.410	3.3	89	-0.01	8.50
24		Di-isopropyl ether	40.000	36.215	9.5	89	0.00	8.44
25		Ethyl tert-butyl ether	40.000	34.810	13.0	87	0.00	8.85
			AvgRF	CCRF	%Dev			
26		2,2-Dichloropropane	0.287	0.245	14.6	81	0.00	9.20
27		cis-1,2-Dichloroethene	0.261	0.250	4.2	88	0.00	9.22
28		2-Butanone	0.224	0.242	-8.0	96	0.00	9.14
29		Bromochloromethane	0.155	0.139	10.3	87	0.00	9.50
30	C	Chloroform	0.465	0.390	16.1	86	0.00	9.52
			Amount	Calc.	%Drift			
31		Tetrahydrofuran	40.000	65.548	-63.9#	161	0.00	9.49
			AvgRF	CCRF	%Dev			
32		1,1,1-Trichloroethane	0.330	0.297	10.0	84	0.00	9.75
33	S	Dibromofluoromethane	0.255	0.292	-14.5	113	0.00	9.70
			Amount	Calc.	%Drift			
34		Cyclohexane	40.000	33.257	16.9	83	0.00	9.76
35		n-Butyl Alcohol	400.000	827.646	-106.9#	241	0.00	10.55
36		1,1-Dichloropropene	40.000	34.659	13.4	85	0.00	9.90
37		Isobutyl Alcohol	400.000	877.672	-119.4#	241	0.00	9.86
			AvgRF	CCRF	%Dev			
38		Carbon Tetrachloride	0.288	0.248	13.9	82	0.00	9.89
39	S	1,2-Dichloroethane-d4	0.275	0.317	-15.3	114	0.00	10.12
40		Benzene	0.991	0.909	8.3	85	0.00	10.13
41		1,2-Dichloroethane	0.325	0.294	9.5	86	0.00	10.20
			Amount	Calc.	%Drift			
42		tert-amyl methyl ether	40.000	35.631	10.9	88	0.00	10.11
			AvgRF	CCRF	%Dev			
43		Trichloroethene	0.239	0.218	8.8	86	0.00	10.77
			Amount	Calc.	%Drift			
44		Methylcyclohexane	40.000	31.660	20.8#	81	0.00	10.93
			AvgRF	CCRF	%Dev			
45	C	1,2-Dichloropropane	0.234	0.219	6.4	85	0.00	11.07
46		Dibromomethane	0.163	0.150	8.0	87	0.00	11.21
			Amount	Calc.	%Drift			
47		1,4-Dioxane	800.000	739.106	7.6	95	0.00	11.14
			AvgRF	CCRF	%Dev			
48		Bromodichloromethane	0.319	0.283	11.3	85	0.00	11.31
			Amount	Calc.	%Drift			
49		2-Nitropropane	200.000	162.047	19.0	95	0.00	11.59
50		2-Chloroethyl vinyl ether	200.000	193.577	3.2	89	0.00	11.53
51		4-Methyl-2-pentanone	200.000	211.319	-5.7	100	0.00	11.84
52		cis-1,3-Dichloropropene	40.000	34.748	13.1	86	0.00	11.76
			AvgRF	CCRF	%Dev			
53	I	Chlorobenzene-d5	1.000	1.000	0.0	102	0.00	13.55

Initial Calibration Verification

Job Number: T39513
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Project: Vertellus-Provo

Sample: VC168-ICV168
Lab FileID: C0003823.D

54	S	Toluene-d8	1.032	1.338	-29.7#	119	0.00	12.01
55	C	Toluene	1.206	1.189	1.4	87	0.00	12.07
			Amount	Calc.	%Drift			
56		trans-1,3-Dichloropropene	40.000	36.861	7.8	93	0.00	12.31
			AvgRF	CCRF	%Dev			
57		1,1,2-Trichloroethane	0.255	0.225	11.8	88	0.00	12.53
58		Tetrachloroethene	0.320	0.282	11.9	86	0.00	12.63
			Amount	Calc.	%Drift			
59		2-hexanone	200.000	202.552	-1.3	99	0.00	12.67
			AvgRF	CCRF	%Dev			
60		1,3-Dichloropropane	0.481	0.459	4.6	87	0.00	12.72
			Amount	Calc.	%Drift			
61		Dibromochloromethane	40.000	34.375	14.1	88	0.00	12.96
			AvgRF	CCRF	%Dev			
62		1,2-Dibromoethane	0.287	0.280	2.4	90	0.00	13.13
			Amount	Calc.	%Drift			
63		1-Chlorohexane	40.000	32.598	18.5	85	0.00	13.41
			AvgRF	CCRF	%Dev			
64	P	Chlorobenzene	0.934	0.847	9.3	88	0.00	13.58
65		1,1,1,2-Tetrachloroethane	0.319	0.293	8.2	87	0.00	13.64
66	C	Ethylbenzene	1.256	1.174	6.5	85	0.00	13.60
			Amount	Calc.	%Drift			
67		m,p-Xylene	80.000	72.236	9.7	87	0.00	13.71
68		o-Xylene	40.000	35.863	10.3	87	0.00	14.14
69		Styrene	40.000	33.264	16.8	80	0.00	14.16
70	P	Bromoform	40.000	33.553	16.1	90	0.00	14.47
			AvgRF	CCRF	%Dev			
71	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00	15.95
			Amount	Calc.	%Drift			
72		Isopropylbenzene	40.000	35.781	10.5	90	0.00	14.49
73		Cyclohexanone	400.000	661.548	-65.4#	189	0.00	14.74
			AvgRF	CCRF	%Dev			
74	S	4-Bromofluorobenzene	0.790	0.948	-20.0	113	0.00	14.75
75		Bromobenzene	0.846	0.787	7.0	87	0.00	14.95
76	P	1,1,2,2-Tetrachloroethane	0.757	0.735	2.9	96	0.00	14.85
			Amount	Calc.	%Drift			
77		Trans-1,4-Dichloro-2-bute	40.000	35.859	10.4	90	0.00	14.91
			AvgRF	CCRF	%Dev			
78		1,2,3-Trichloropropane	0.230	0.204	11.3	85	0.00	14.95
			Amount	Calc.	%Drift			
79		n-Propylbenzene	40.000	34.930	12.7	86	0.00	14.91
80		2-Chlorotoluene	40.000	35.586	11.0	87	0.00	15.09
81		4-Chlorotoluene	40.000	35.360	11.6	88	0.00	15.20
82		1,3,5-Trimethylbenzene	40.000	33.971	15.1	85	0.00	15.07

Initial Calibration Verification

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: VC168-ICV168
Lab FileID: C0003823.D

83	sec-Butylbenzene	40.000	32.703	18.2	83	0.01	15.65
	----------	AvgRF	CCRF	%Dev	----------		
84	1,3-Dichlorobenzene	1.281	1.173	8.4	87	0.00	15.89
	----------	Amount	Calc.	%Drift	----------		
85	4-Isopropyltoluene	40.000	32.687	18.3	82	0.00	15.77
	----------	AvgRF	CCRF	%Dev	----------		
86	1,4-Dichlorobenzene	1.475	1.273	13.7	88	0.00	15.99
	----------	Amount	Calc.	%Drift	----------		
87	tert-Butylbenzene	40.000	33.397	16.5	85	0.00	15.42
88	n-Butylbenzene	40.000	31.988	20.0#	81	0.00	16.21
	----------	AvgRF	CCRF	%Dev	----------		
89	1,2-Dichlorobenzene	1.290	1.198	7.1	89	0.00	16.42
	----------	Amount	Calc.	%Drift	----------		
90	1,2,4-Trimethylbenzene	40.000	35.102	12.2	87	0.00	15.48
	----------	AvgRF	CCRF	%Dev	----------		
91	1,2-Dibromo-3-Chloropropa	0.097	0.098	-1.0	102	0.00	17.34
92	1,2,4-Trichlorobenzene	0.565	0.531	6.0	91	0.00	18.38
	----------	Amount	Calc.	%Drift	----------		
93	Hexachlorobutadiene	40.000	34.518	13.7	94	0.00	18.47
94	Naphthalene	40.000	35.544	11.1	100	0.00	18.80
	----------	AvgRF	CCRF	%Dev	----------		
95	1,2,3-Trichlorobenzene	0.421	0.423	-0.5	96	0.00	19.15
96 I	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	104	0.00	15.95
97 H	TPH-GRO (C6-C10)	3.725	4.288	-15.1	93	0.00	11.62

(#) = Out of Range SPCC's out = 0 CCC's out = 0
C0003819.D VC168.m Thu Oct 08 15:01:27 2009

Continuing Calibration Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: VC175-CC168
Lab FileID: C0003985.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\VC0175\C0003985.D Vial: 4
Acq On : 14 Oct 2009 11:19 am Operator: AnjanaP
Sample : cc168-40 Inst : TXMSC
Misc : ms7106,VC0176,5,,,5,,WATER Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\VC168.m (RTE Integrator)
Title : SW846 8260B and EPA624
Last Update : Thu Oct 08 12:49:21 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	77	0.00	10.40
2	Dichlorodifluoromethane	0.198	0.179	9.6	67	0.01	4.39
3 P	Chloromethane	0.185	0.194	-4.9	80	-0.01	4.79
4 C	Vinyl Chloride	0.184	0.201	-9.2	81	0.00	5.05
		Amount	Calc.	%Drift			
5	Bromomethane	40.000	58.326	-45.8#	90	0.01	5.69
6	Chloroethane	40.000	54.276	-35.7#	91	0.00	5.84
		AvgRF	CCRF	%Dev			
7	Trichlorofluoromethane	0.309	0.367	-18.8	92	0.01	6.26
8	Ethyl Ether	0.177	0.173	2.3	71	0.00	6.62
		Amount	Calc.	%Drift			
9	Acrolein	200.000	144.666	27.7#	54	0.00	6.94
		AvgRF	CCRF	%Dev			
10 C	1,1-Dichloroethene	0.317	0.315	0.6	70	0.00	7.05
11	Freon 113	0.205	0.231	-12.7	84	0.01	6.96
		Amount	Calc.	%Drift			
12	Acetone	200.000	215.293	-7.6	81	-0.01	7.13
		AvgRF	CCRF	%Dev			
13	Iodomethane	0.406	0.401	1.2	69	0.00	7.33
14	Methyl Acetate	0.137	0.149	-8.8	78	0.00	7.50
15	Carbon Disulfide	0.695	0.747	-7.5	78	0.00	7.44
		Amount	Calc.	%Drift			
16	Methylene Chloride	40.000	43.675	-9.2	79	0.00	7.73
		AvgRF	CCRF	%Dev			
17	Tert Butyl Alcohol	0.006	0.007	-16.7	79	0.00	7.50
18	trans-1,2-Dichloroethene	0.317	0.357	-12.6	78	0.00	8.01
19	Acrylonitrile	0.066	0.076	-15.2	80	0.00	8.07
		Amount	Calc.	%Drift			
20	Methyl Tert Butyl Ether	40.000	35.926	10.2	69	0.00	7.93
21	Hexane	40.000	35.605	11.0	68	0.01	8.20
		AvgRF	CCRF	%Dev			
22 P	1,1-Dichloroethane	0.420	0.465	-10.7	81	0.00	8.56

Continuing Calibration Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: VC175-CC168
Lab FileID: C0003985.D

			Amount	Calc.	%Drift			
23		Vinyl Acetate	200.000	229.049	-14.5	79	0.00	8.51
24		Di-isopropyl ether	40.000	37.247	6.9	69	0.00	8.44
25		Ethyl tert-butyl ether	40.000	36.918	7.7	70	0.00	8.85
			AvgRF	CCRF	%Dev			
26		2,2-Dichloropropane	0.287	0.354	-23.3#	89	0.01	9.21
27		cis-1,2-Dichloroethene	0.261	0.294	-12.6	78	0.00	9.22
28		2-Butanone	0.224	0.265	-18.3	80	0.00	9.14
29		Bromochloromethane	0.155	0.180	-16.1	85	0.00	9.50
30	C	Chloroform	0.465	0.512	-10.1	85	0.00	9.52
			Amount	Calc.	%Drift			
31		Tetrahydrofuran	40.000	41.204	-3.0	77	0.01	9.50
			AvgRF	CCRF	%Dev			
32		1,1,1-Trichloroethane	0.330	0.388	-17.6	82	0.00	9.75
33	S	Dibromofluoromethane	0.255	0.289	-13.3	85	0.00	9.70
			Amount	Calc.	%Drift			
34		Cyclohexane	40.000	37.608	6.0	71	0.00	9.76
35		n-Butyl Alcohol	400.000	342.613	14.3	70	0.00	10.55
36		1,1-Dichloropropene	40.000	42.957	-7.4	80	0.00	9.90
37		Isobutyl Alcohol	400.000	378.382	5.4	76	0.00	9.86
			AvgRF	CCRF	%Dev			
38		Carbon Tetrachloride	0.288	0.355	-23.3#	88	0.01	9.90
39	S	1,2-Dichloroethane-d4	0.275	0.326	-18.5	89	0.00	10.12
40		Benzene	0.991	1.146	-15.6	81	0.00	10.13
41		1,2-Dichloroethane	0.325	0.379	-16.6	84	0.00	10.20
			Amount	Calc.	%Drift			
42		tert-amyl methyl ether	40.000	38.155	4.6	71	0.00	10.11
			AvgRF	CCRF	%Dev			
43		Trichloroethene	0.239	0.250	-4.6	75	0.01	10.78
			Amount	Calc.	%Drift			
44		Methylcyclohexane	40.000	35.271	11.8	69	0.01	10.94
			AvgRF	CCRF	%Dev			
45	C	1,2-Dichloropropane	0.234	0.262	-12.0	77	0.00	11.07
46		Dibromomethane	0.163	0.185	-13.5	82	0.00	11.21
			Amount	Calc.	%Drift			
47		1,4-Dioxane	800.000	694.820	13.1	67	0.00	11.14
			AvgRF	CCRF	%Dev			
48		Bromodichloromethane	0.319	0.367	-15.0	83	0.00	11.31
			Amount	Calc.	%Drift			
49		2-Nitropropane	200.000	228.381	-14.2	104	0.00	11.59
50		2-Chloroethyl vinyl ether	200.000	206.768	-3.4	72	0.00	11.53
51		4-Methyl-2-pentanone	200.000	225.868	-12.9	81	0.00	11.84
52		cis-1,3-Dichloropropene	40.000	39.552	1.1	74	0.00	11.76
			AvgRF	CCRF	%Dev			
53	I	Chlorobenzene-d5	1.000	1.000	0.0	84	0.00	13.55

Continuing Calibration Summary

Job Number: T39513 **Sample:** VC175-CC168
Account: ERMUTSLC ERM Salt Lake City **Lab FileID:** C0003985.D
Project: Vertellus-Provo

54	S	Toluene-d8	1.032	1.068	-3.5	78	0.00	12.01
			Amount	Calc.	%Drift			
55	C	Toluene	40.000	38.823	2.9	76	0.00	12.07
56		trans-1,3-Dichloropropene	40.000	38.288	4.3	79	0.00	12.31
			AvgRF	CCRF	%Dev			
57		1,1,2-Trichloroethane	0.255	0.247	3.1	79	0.00	12.53
58		Tetrachloroethene	0.320	0.309	3.4	78	0.00	12.63
			Amount	Calc.	%Drift			
59		2-hexanone	200.000	199.732	0.1	80	0.00	12.67
			AvgRF	CCRF	%Dev			
60		1,3-Dichloropropane	0.481	0.508	-5.6	79	0.00	12.72
			Amount	Calc.	%Drift			
61		Dibromochloromethane	40.000	39.425	1.4	84	0.00	12.96
			AvgRF	CCRF	%Dev			
62		1,2-Dibromoethane	0.287	0.284	1.0	75	0.00	13.13
			Amount	Calc.	%Drift			
63		1-Chlorohexane	40.000	30.489	23.8#	64	0.00	13.41
			AvgRF	CCRF	%Dev			
64	P	Chlorobenzene	0.934	0.932	0.2	79	0.00	13.58
65		1,1,1,2-Tetrachloroethane	0.319	0.346	-8.5	84	0.00	13.64
66	C	Ethylbenzene	1.256	1.295	-3.1	77	-0.01	13.59
			Amount	Calc.	%Drift			
67		m,p-Xylene	80.000	79.630	0.5	78	0.00	13.71
68		o-Xylene	40.000	36.720	8.2	73	0.01	14.15
69		Styrene	40.000	39.479	1.3	78	0.00	14.16
70	P	Bromoform	40.000	39.311	1.7	87	0.00	14.47
			AvgRF	CCRF	%Dev			
71	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	87	0.00	15.95
			Amount	Calc.	%Drift			
72		Isopropylbenzene	40.000	33.506	16.2	70	0.00	14.49
73		Cyclohexanone	400.000	264.802	33.8#	59	0.00	14.74
			AvgRF	CCRF	%Dev			
74	S	4-Bromofluorobenzene	0.790	0.817	-3.4	81	0.00	14.75
75		Bromobenzene	0.846	0.862	-1.9	79	0.00	14.95
76	P	1,1,2,2-Tetrachloroethane	0.757	0.773	-2.1	83	0.00	14.85
			Amount	Calc.	%Drift			
77		Trans-1,4-Dichloro-2-bute	40.000	40.968	-2.4	86	0.00	14.91
			AvgRF	CCRF	%Dev			
78		1,2,3-Trichloropropane	0.230	0.243	-5.7	84	0.00	14.95
			Amount	Calc.	%Drift			
79		n-Propylbenzene	40.000	37.531	6.2	76	0.00	14.91
80		2-Chlorotoluene	40.000	38.978	2.6	79	0.00	15.09
81		4-Chlorotoluene	40.000	36.524	8.7	75	0.00	15.20
82		1,3,5-Trimethylbenzene	40.000	35.623	10.9	74	0.00	15.07

Continuing Calibration Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: VC175-CC168
Lab FileID: C0003985.D

83	sec-Butylbenzene	40.000	34.526	13.7	73	0.01	15.65
	----------	AvgRF	CCRF	%Dev	----------		
84	1,3-Dichlorobenzene	1.281	1.271	0.8	79	0.00	15.89
	----------	Amount	Calc.	%Drift	----------		
85	4-Isopropyltoluene	40.000	34.138	14.7	72	0.00	15.77
	----------	AvgRF	CCRF	%Dev	----------		
86	1,4-Dichlorobenzene	1.475	1.404	4.8	80	0.00	15.99
	----------	Amount	Calc.	%Drift	----------		
87	tert-Butylbenzene	40.000	34.375	14.1	73	0.00	15.42
88	n-Butylbenzene	40.000	35.931	10.2	75	0.00	16.21
	----------	AvgRF	CCRF	%Dev	----------		
89	1,2-Dichlorobenzene	1.290	1.250	3.1	77	0.01	16.43
	----------	Amount	Calc.	%Drift	----------		
90	1,2,4-Trimethylbenzene	40.000	37.523	6.2	77	0.00	15.48
	----------	AvgRF	CCRF	%Dev	----------		
91	1,2-Dibromo-3-Chloropropa	0.097	0.099	-2.1	85	0.00	17.34
92	1,2,4-Trichlorobenzene	0.565	0.475	15.9	67	0.01	18.39
	----------	Amount	Calc.	%Drift	----------		
93	Hexachlorobutadiene	40.000	36.627	8.4	83	0.00	18.47
94	Naphthalene	40.000	27.974	30.1#	63	0.00	18.80
	----------	AvgRF	CCRF	%Dev	----------		
95	1,2,3-Trichlorobenzene	0.421	0.385	8.6	73	0.01	19.16
96 I	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	87	0.00	15.95
97 H	TPH-GRO (C6-C10)	3.725	4.346	-16.7	78	0.00	11.62

(#) = Out of Range SPCC's out = 0 CCC's out = 0
C0003819.D VC168.m Thu Oct 15 11:42:30 2009

Continuing Calibration Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: VC176-CC168
Lab FileID: C0003985.D

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\DATA\VC0175\C0003985.D          Vial: 4
Acq On    : 14 Oct 2009  11:19 am                     Operator: AnjanaP
Sample    : cc168-40                                  Inst    : TXMSC
Misc      : ms7106,VC0176,5,,,5,,WATER                Multiplr: 1.00
MS Integration Params: rteint.p

Method       : C:\msdchem\1\METHODS\VC168.m (RTE Integrator)
Title        : SW846 8260B and EPA624
Last Update  : Thu Oct 08 12:49:21 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 150%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	77	0.00	10.40
2	Dichlorodifluoromethane	0.198	0.179	9.6	67	0.01	4.39
3 P	Chloromethane	0.185	0.194	-4.9	80	-0.01	4.79
4 C	Vinyl Chloride	0.184	0.201	-9.2	81	0.00	5.05
		Amount	Calc.	%Drift			
5	Bromomethane	40.000	58.326	-45.8#	90	0.01	5.69
6	Chloroethane	40.000	54.276	-35.7#	91	0.00	5.84
		AvgRF	CCRF	%Dev			
7	Trichlorofluoromethane	0.309	0.367	-18.8	92	0.01	6.26
8	Ethyl Ether	0.177	0.173	2.3	71	0.00	6.62
		Amount	Calc.	%Drift			
9	Acrolein	200.000	144.666	27.7#	54	0.00	6.94
		AvgRF	CCRF	%Dev			
10 C	1,1-Dichloroethene	0.317	0.315	0.6	70	0.00	7.05
11	Freon 113	0.205	0.231	-12.7	84	0.01	6.96
		Amount	Calc.	%Drift			
12	Acetone	200.000	215.293	-7.6	81	-0.01	7.13
		AvgRF	CCRF	%Dev			
13	Iodomethane	0.406	0.401	1.2	69	0.00	7.33
14	Methyl Acetate	0.137	0.149	-8.8	78	0.00	7.50
15	Carbon Disulfide	0.695	0.747	-7.5	78	0.00	7.44
		Amount	Calc.	%Drift			
16	Methylene Chloride	40.000	43.675	-9.2	79	0.00	7.73
		AvgRF	CCRF	%Dev			
17	Tert Butyl Alcohol	0.006	0.007	-16.7	79	0.00	7.50
18	trans-1,2-Dichloroethene	0.317	0.357	-12.6	78	0.00	8.01
19	Acrylonitrile	0.066	0.076	-15.2	80	0.00	8.07
		Amount	Calc.	%Drift			
20	Methyl Tert Butyl Ether	40.000	35.926	10.2	69	0.00	7.93
21	Hexane	40.000	35.605	11.0	68	0.01	8.20
		AvgRF	CCRF	%Dev			
22 P	1,1-Dichloroethane	0.420	0.465	-10.7	81	0.00	8.56

Continuing Calibration Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: VC176-CC168
Lab FileID: C0003985.D

			Amount	Calc.	%Drift			
23		Vinyl Acetate	200.000	229.049	-14.5	79	0.00	8.51
24		Di-isopropyl ether	40.000	37.247	6.9	69	0.00	8.44
25		Ethyl tert-butyl ether	40.000	36.918	7.7	70	0.00	8.85
			AvgRF	CCRF	%Dev			
26		2,2-Dichloropropane	0.287	0.354	-23.3#	89	0.01	9.21
27		cis-1,2-Dichloroethene	0.261	0.294	-12.6	78	0.00	9.22
28		2-Butanone	0.224	0.265	-18.3	80	0.00	9.14
29		Bromochloromethane	0.155	0.180	-16.1	85	0.00	9.50
30	C	Chloroform	0.465	0.512	-10.1	85	0.00	9.52
			Amount	Calc.	%Drift			
31		Tetrahydrofuran	40.000	41.204	-3.0	77	0.01	9.50
			AvgRF	CCRF	%Dev			
32		1,1,1-Trichloroethane	0.330	0.388	-17.6	82	0.00	9.75
33	S	Dibromofluoromethane	0.255	0.289	-13.3	85	0.00	9.70
			Amount	Calc.	%Drift			
34		Cyclohexane	40.000	37.608	6.0	71	0.00	9.76
35		n-Butyl Alcohol	400.000	342.613	14.3	70	0.00	10.55
36		1,1-Dichloropropene	40.000	42.957	-7.4	80	0.00	9.90
37		Isobutyl Alcohol	400.000	378.382	5.4	76	0.00	9.86
			AvgRF	CCRF	%Dev			
38		Carbon Tetrachloride	0.288	0.355	-23.3#	88	0.01	9.90
39	S	1,2-Dichloroethane-d4	0.275	0.326	-18.5	89	0.00	10.12
40		Benzene	0.991	1.146	-15.6	81	0.00	10.13
41		1,2-Dichloroethane	0.325	0.379	-16.6	84	0.00	10.20
			Amount	Calc.	%Drift			
42		tert-amyl methyl ether	40.000	38.155	4.6	71	0.00	10.11
			AvgRF	CCRF	%Dev			
43		Trichloroethene	0.239	0.250	-4.6	75	0.01	10.78
			Amount	Calc.	%Drift			
44		Methylcyclohexane	40.000	35.271	11.8	69	0.01	10.94
			AvgRF	CCRF	%Dev			
45	C	1,2-Dichloropropane	0.234	0.262	-12.0	77	0.00	11.07
46		Dibromomethane	0.163	0.185	-13.5	82	0.00	11.21
			Amount	Calc.	%Drift			
47		1,4-Dioxane	800.000	694.820	13.1	67	0.00	11.14
			AvgRF	CCRF	%Dev			
48		Bromodichloromethane	0.319	0.367	-15.0	83	0.00	11.31
			Amount	Calc.	%Drift			
49		2-Nitropropane	200.000	228.381	-14.2	104	0.00	11.59
50		2-Chloroethyl vinyl ether	200.000	206.768	-3.4	72	0.00	11.53
51		4-Methyl-2-pentanone	200.000	225.868	-12.9	81	0.00	11.84
52		cis-1,3-Dichloropropene	40.000	39.552	1.1	74	0.00	11.76
			AvgRF	CCRF	%Dev			
53	I	Chlorobenzene-d5	1.000	1.000	0.0	84	0.00	13.55

Continuing Calibration Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: VC176-CC168
Lab FileID: C0003985.D

54	S	Toluene-d8	1.032	1.068	-3.5	78	0.00	12.01
			Amount	Calc.	%Drift			
55	C	Toluene	40.000	38.823	2.9	76	0.00	12.07
56		trans-1,3-Dichloropropene	40.000	38.288	4.3	79	0.00	12.31
			AvgRF	CCRF	%Dev			
57		1,1,2-Trichloroethane	0.255	0.247	3.1	79	0.00	12.53
58		Tetrachloroethene	0.320	0.309	3.4	78	0.00	12.63
			Amount	Calc.	%Drift			
59		2-hexanone	200.000	199.732	0.1	80	0.00	12.67
			AvgRF	CCRF	%Dev			
60		1,3-Dichloropropane	0.481	0.508	-5.6	79	0.00	12.72
			Amount	Calc.	%Drift			
61		Dibromochloromethane	40.000	39.425	1.4	84	0.00	12.96
			AvgRF	CCRF	%Dev			
62		1,2-Dibromoethane	0.287	0.284	1.0	75	0.00	13.13
			Amount	Calc.	%Drift			
63		1-Chlorohexane	40.000	30.489	23.8#	64	0.00	13.41
			AvgRF	CCRF	%Dev			
64	P	Chlorobenzene	0.934	0.932	0.2	79	0.00	13.58
65		1,1,1,2-Tetrachloroethane	0.319	0.346	-8.5	84	0.00	13.64
66	C	Ethylbenzene	1.256	1.295	-3.1	77	-0.01	13.59
			Amount	Calc.	%Drift			
67		m,p-Xylene	80.000	79.630	0.5	78	0.00	13.71
68		o-Xylene	40.000	36.720	8.2	73	0.01	14.15
69		Styrene	40.000	39.479	1.3	78	0.00	14.16
70	P	Bromoform	40.000	39.311	1.7	87	0.00	14.47
			AvgRF	CCRF	%Dev			
71	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	87	0.00	15.95
			Amount	Calc.	%Drift			
72		Isopropylbenzene	40.000	33.506	16.2	70	0.00	14.49
73		Cyclohexanone	400.000	264.802	33.8#	59	0.00	14.74
			AvgRF	CCRF	%Dev			
74	S	4-Bromofluorobenzene	0.790	0.817	-3.4	81	0.00	14.75
75		Bromobenzene	0.846	0.862	-1.9	79	0.00	14.95
76	P	1,1,2,2-Tetrachloroethane	0.757	0.773	-2.1	83	0.00	14.85
			Amount	Calc.	%Drift			
77		Trans-1,4-Dichloro-2-bute	40.000	40.968	-2.4	86	0.00	14.91
			AvgRF	CCRF	%Dev			
78		1,2,3-Trichloropropane	0.230	0.243	-5.7	84	0.00	14.95
			Amount	Calc.	%Drift			
79		n-Propylbenzene	40.000	37.531	6.2	76	0.00	14.91
80		2-Chlorotoluene	40.000	38.978	2.6	79	0.00	15.09
81		4-Chlorotoluene	40.000	36.524	8.7	75	0.00	15.20
82		1,3,5-Trimethylbenzene	40.000	35.623	10.9	74	0.00	15.07

Continuing Calibration Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: VC176-CC168
Lab FileID: C0003985.D

83	sec-Butylbenzene	40.000	34.526	13.7	73	0.01	15.65
	----------	AvgRF	CCRF	%Dev	----------		
84	1,3-Dichlorobenzene	1.281	1.271	0.8	79	0.00	15.89
	----------	Amount	Calc.	%Drift	----------		
85	4-Isopropyltoluene	40.000	34.138	14.7	72	0.00	15.77
	----------	AvgRF	CCRF	%Dev	----------		
86	1,4-Dichlorobenzene	1.475	1.404	4.8	80	0.00	15.99
	----------	Amount	Calc.	%Drift	----------		
87	tert-Butylbenzene	40.000	34.375	14.1	73	0.00	15.42
88	n-Butylbenzene	40.000	35.931	10.2	75	0.00	16.21
	----------	AvgRF	CCRF	%Dev	----------		
89	1,2-Dichlorobenzene	1.290	1.250	3.1	77	0.01	16.43
	----------	Amount	Calc.	%Drift	----------		
90	1,2,4-Trimethylbenzene	40.000	37.523	6.2	77	0.00	15.48
	----------	AvgRF	CCRF	%Dev	----------		
91	1,2-Dibromo-3-Chloropropa	0.097	0.099	-2.1	85	0.00	17.34
92	1,2,4-Trichlorobenzene	0.565	0.475	15.9	67	0.01	18.39
	----------	Amount	Calc.	%Drift	----------		
93	Hexachlorobutadiene	40.000	36.627	8.4	83	0.00	18.47
94	Naphthalene	40.000	27.974	30.1#	63	0.00	18.80
	----------	AvgRF	CCRF	%Dev	----------		
95	1,2,3-Trichlorobenzene	0.421	0.385	8.6	73	0.01	19.16
96 I	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	87	0.00	15.95
97 H	TPH-GRO (C6-C10)	3.725	4.346	-16.7	78	0.00	11.62

(#) = Out of Range SPCC's out = 0 CCC's out = 0
C0003819.D VC168.m Thu Oct 15 11:42:30 2009

Initial Calibration Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: VF3547-ICC3547
Lab FileID: F019686.D

Response Factor Report GC/MS F

```
Method       : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title        : SW846 8260B and EPA 624
Last Update  : Tue Sep 15 16:21:04 2009
Response via : Initial Calibration

Calibration Files
1   =F019683.D   2   =F019684.D   3   =F019685.D   4   =F019686.D
7   =F019688.D   5   =F019687.D   8   =F019682.D

   Compound             1     2     3     4     7     5     8     Avg   %RSD
-------------------------------------------------------------------------------

1) I   Fluorobenzene         ----------------ISTD---------------------
2)  Dichlorodifluorom 0.274 0.296 0.255 0.348 0.253 0.248 0.291 0.281  12.57
3)P Chloromethane     0.234 0.229 0.183 0.347 0.247 0.235 0.356 0.261  24.68
           ---- Linear regression ----  Coefficient =  0.9906
             Response Ratio = 0.00644 + 0.24473 *A

4)C Vinyl Chloride    0.199 0.211 0.168 0.280 0.207 0.194 0.233 0.213  16.63
           ---- Linear regression ----  Coefficient =  0.9924
             Response Ratio = 0.00509 + 0.20439 *A

5)  Bromomethane      0.221 0.195 0.162 0.189 0.155 0.149 0.243 0.188  18.89
           ---- Linear regression ----  Coefficient =  0.9976
             Response Ratio = 0.00600 + 0.15275 *A

6)  Chloroethane      0.132 0.132 0.117 0.138 0.134 0.124 0.157 0.134   9.39
7)  Trichlorofluorome 0.455 0.440 0.401 0.450 0.412 0.386 0.493 0.434   8.47
8)  Acrolein          0.023 0.023 0.019 0.020 0.022 0.022 0.022 0.022   6.74
9)  Ethyl Ether       0.201 0.179 0.160 0.183 0.174 0.169 0.195 0.180   7.90
10)C 1,1-Dichloroethen 0.391 0.358 0.315 0.354 0.341 0.328 0.365 0.350   7.11
11)  Freon 113        0.249 0.256 0.218 0.221 0.221 0.205 0.207 0.225   8.65
12)  Acetone          0.120 0.082 0.062 0.071 0.062 0.064 0.171 0.090  45.59
           ---- Linear regression ----  Coefficient =  0.9994
             Response Ratio = 0.01355 + 0.06190 *A

13)  Iodomethane      0.406 0.398 0.370 0.428 0.363 0.370 0.382 0.388   6.05
14)  Methyl acetate   0.170 0.146 0.125 0.144 0.145 0.145 0.217 0.156  19.26
           ---- Linear regression ----  Coefficient =  0.9998
             Response Ratio = -0.00620 + 0.14558 *A

15)  Allyl Chloride   0.288 0.331 0.329 0.234 0.189 0.227       0.266  22.03
           ---- Quadratic regression ----  Coefficient =  0.9980
             Response Ratio = 0.00907 + 0.25660 *A + -0.01757 *A^2

16)  Carbon Disulfide 0.710 0.714 0.626 0.691 0.700 0.673 0.719 0.690   4.73
17)  Acetonitrile     0.103 0.157 0.041 0.041 0.059 0.050 0.175 0.090  63.38
           ---- Quadratic regression ----  Coefficient =  0.9977
             Response Ratio = 0.01091 + 0.03549 *A + 0.00225 *A^2

18)  Methylene Chlorid 0.392 0.323 0.275 0.307 0.290 0.291 0.499 0.340  23.58
           ---- Linear regression ----  Coefficient =  0.9998
             Response Ratio = 0.00382 + 0.28922 *A

19)  Tert Butyl Alcoho 0.022 0.020 0.018 0.022 0.019 0.020 0.024 0.021   9.78
20)  trans-1,2-Dichlor 0.341 0.338 0.306 0.340 0.320 0.316 0.325 0.327   4.18
21)  Acrylonitrile    0.060 0.057 0.052 0.055 0.063 0.062 0.061 0.058   6.89
22)  Methyl Tert Butyl 0.808 0.744 0.671 0.772 0.686 0.690 0.810 0.740   7.93
```

Initial Calibration Summary

Job Number: T39513 **Sample:** VF3547-ICC3547
Account: ERMUTSLC ERM Salt Lake City **Lab FileID:** F019686.D
Project: Vertellus-Provo

23)	Hexane	0.194	0.197	0.165	0.165	0.180	0.180	0.181	0.180	7.09
24)P	1,1-Dichloroethan	0.441	0.445	0.373	0.434	0.398	0.388	0.410	0.413	6.80
25)	Vinyl acetate	0.534	0.522	0.460	0.536	0.501	0.492	0.580	0.518	7.36
26)	Di-isopropyl ethe	0.810	0.816	0.710	0.819	0.805	0.799	0.891	0.807	6.54
27)	Chloroprene	0.383	0.405	0.388	0.394	0.352	0.330	0.426	0.382	8.43
28)	Ethyl tert-butyl	0.794	0.813	0.731	0.848	0.766	0.773	0.828	0.793	5.07
29)	2,2-Dichloropropa	0.382	0.392	0.329	0.353	0.264	0.287	0.379	0.341	14.67
30)	cis-1,2-Dichloroe	0.307	0.292	0.267	0.295	0.273	0.266	0.287	0.284	5.45
31)	Ethyl Acetate	0.310	0.297	0.256	0.295	0.284	0.286	0.229	0.279	10.03
32)	2-Butanone	0.310	0.297	0.256	0.295	0.284	0.286	0.229	0.279	10.03
33)	Propionitrile	0.019	0.021	0.022	0.023	0.024	0.023	0.019	0.021	8.86
34)	Methacrylonitrile	0.209	0.173	0.168	0.177	0.163	0.164	0.260	0.188	18.90
35)	Bromochloromethan	0.147	0.143	0.136	0.154	0.139	0.140	0.125	0.141	6.37
36)C	Chloroform	0.605	0.573	0.515	0.590	0.490	0.508	0.547	0.547	8.08
37)	Tetrahydrofuran	0.119	0.088	0.125	0.145	0.119	0.120	0.175	0.127	21.05

---- Linear regression ---- Coefficient = 0.9980
Response Ratio = 0.00368 + 0.11862 *A

38)	1,1,1-Trichloroet	0.519	0.502	0.451	0.501	0.411	0.428	0.487	0.471	8.76
39)S	Dibromofluorometh	0.290	0.308	0.272	0.313	0.281	0.280	0.331	0.296	7.21
40)	Cyclohexane	0.312	0.289	0.261	0.272	0.289	0.295	0.268	0.284	6.33
41)	Isobutyl Alcohol	0.001	0.003	0.004	0.003	0.004	0.003	0.007	0.004	45.97

---- Linear regression ---- Coefficient = 0.9990
Response Ratio = -0.00176 + 0.00358 *A

42)	n-Butyl Alcohol	0.001	0.001	0.002	0.002	0.002	0.002	0.001	0.002	29.20

---- Linear regression ---- Coefficient = 0.9995
Response Ratio = -0.00186 + 0.00219 *A

43)	1,1-Dichloroprope	0.373	0.369	0.335	0.360	0.332	0.343	0.347	0.351	4.65
44)	Carbon Tetrachlor	0.448	0.444	0.392	0.430	0.362	0.372	0.427	0.411	8.51
45)S	1,2-Dichloroethan	0.427	0.448	0.378	0.439	0.363	0.369	0.492	0.417	11.54
46)	Benzene	0.855	0.853	0.755	0.821	0.810	0.837	0.811	0.820	4.18
47)	1,2-Dichloroethan	0.500	0.516	0.445	0.507	0.416	0.435	0.512	0.476	8.85
48)	tert-amyl methyl	0.783	0.754	0.672	0.759	0.708	0.730	0.825	0.747	6.66
49)	Trichloroethene	0.415	0.337	0.263	0.289	0.270	0.273	0.561	0.344	31.94

---- Linear regression ---- Coefficient = 0.9998
Response Ratio = 0.00617 + 0.26928 *A

50)	Methylcyclohexane	0.266	0.289	0.242	0.252	0.266	0.276	0.259	0.264	5.81
51)	Methyl Methacryla	0.215	0.211	0.209	0.227	0.208	0.215	0.248	0.219	6.56
52)C	1,2-Dichloropropa	0.209	0.204	0.180	0.202	0.209	0.208	0.201	0.202	5.08
53)	Dibromomethane	0.199	0.209	0.180	0.206	0.186	0.191	0.189	0.194	5.49
54)	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002		0.002	13.52
55)	Bromodichlorometh	0.484	0.500	0.429	0.496	0.432	0.448	0.515	0.472	7.42
56)	2-Nitropropane	0.116	0.103	0.095	0.103	0.081	0.087	0.112	0.100	12.73
57)	2-Chloroethyl vin	0.096	0.093	0.091	0.110	0.117	0.118	0.103	0.104	10.58
58)	1-Bromo-2-Chloroe	0.306	0.289	0.257	0.293	0.300	0.306	0.312	0.295	6.22
59)	4-Methyl-2-pentan	0.209	0.193	0.167	0.192	0.189	0.195	0.221	0.195	8.57
60)	cis-1,3-Dichlorop	0.447	0.436	0.397	0.459	0.440	0.454	0.453	0.441	4.77
61) I	Chlorobenzene-d5	----------ISTD----------								
62)S	Toluene-d8	1.178	1.230	1.023	1.139	1.217	1.154	1.449	1.199	10.81
63)C	Toluene	1.404	1.380	1.192	1.307	1.357	1.342	1.404	1.341	5.53
64)	Ethyl Methacrylat	0.405	0.412	0.424	0.438	0.456	0.440	0.418	0.428	4.17
65)	trans-1,3-Dichlor	0.598	0.589	0.527	0.601	0.580	0.588	0.589	0.582	4.34
66)	1,1,2-Trichloroet	0.262	0.253	0.221	0.247	0.256	0.257	0.261	0.251	5.62
67)	Tetrachloroethene	0.454	0.447	0.386	0.403	0.411	0.410	0.441	0.422	6.08
68)	2-hexanone	0.202	0.184	0.167	0.192	0.192	0.198	0.210	0.192	7.18
69)	1,3-Dichloropropa	0.592	0.563	0.506	0.553	0.568	0.576	0.594	0.564	5.29

Initial Calibration Summary

Job Number: T39513 **Sample:** VF3547-ICC3547
Account: ERMUTSLC ERM Salt Lake City **Lab FileID:** F019686.D
Project: Vertellus-Provo

```
 70)  Dibromochlorometh 0.439 0.442 0.396 0.455 0.436 0.436 0.426 0.433   4.26
 71)  1,2-Dibromoethane 0.369 0.352 0.320 0.355 0.363 0.362 0.347 0.353   4.59
 72)  1-Chlorohexane    0.494 0.466 0.408 0.467 0.483 0.489 0.484 0.470   6.23
 73)P Chlorobenzene     0.905 0.902 0.792 0.890 0.888 0.893 0.959 0.890   5.59
 74)  1,1,1,2-Tetrachlo 0.417 0.407 0.345 0.400 0.367 0.370 0.388 0.385   6.65
 75)C Ethylbenzene      1.828 1.723 1.455 1.674 1.587 1.610 1.813 1.670   7.92
 76)  m,p-Xylene        1.397 1.341 1.150 1.311 1.218 1.250 1.329 1.285   6.53
 77)  o-Xylene          1.445 1.372 1.183 1.374 1.287 1.313 1.384 1.337   6.36
 78)  Styrene           0.951 0.957 0.850 0.985 0.989 1.005 0.918 0.951   5.60
 79)P Bromoform         0.333 0.299 0.283 0.329 0.304 0.305 0.302 0.308   5.74

 80) I   1,4-Dichlorobenzene-d ----------------ISTD---------------------
 81)  Isopropylbenzene  2.385 2.318 1.989 2.162 2.329 2.406 2.256 2.264   6.45
 82)  Cyclohexanone     0.024 0.019 0.015 0.018 0.019 0.020 0.014 0.019  18.27
             ---- Linear regression ----  Coefficient =  0.9986
               Response Ratio = -0.00109 + 0.01929 *A

 83)S 4-Bromofluorobenz 0.981 0.968 0.811 0.925 0.956 0.957 1.350 0.993  16.91
             ---- Linear regression ----  Coefficient =  0.9997
               Response Ratio = -0.01304 + 0.95902 *A

 84)  Bromobenzene      0.882 0.820 0.729 0.783 0.805 0.833 0.814 0.809   5.81
 85)P 1,1,2,2-Tetrachlo 0.668 0.585 0.528 0.596 0.628 0.654 0.672 0.619   8.50
 86)  Trans-1,4-Dichlor 0.235 0.216 0.208 0.242 0.229 0.237 0.237 0.229   5.48
 87)  1,2,3-Trichloropr 0.254 0.228 0.212 0.229 0.231 0.240 0.257 0.236   6.71
 88)  n-Propylbenzene   3.311 3.163 2.714 2.992 3.085 3.232 3.226 3.103   6.48
 89)  2-Chlorotoluene   2.495 2.397 1.997 2.208 2.210 2.298 2.540 2.306   8.17
 90)  4-Chlorotoluene   2.348 2.138 1.868 2.078 2.102 2.181 2.367 2.155   7.90
 91)  1,3,5-Trimethylbe 2.203 2.104 1.819 1.999 2.063 2.128 2.057 2.053   5.91
 92)  Pentachloroethane 0.550 0.507 0.524 0.513 0.516 0.510 0.533 0.522   2.91
 93)  sec-Butylbenzene  2.424 2.274 1.961 2.173 2.232 2.346 2.443 2.264   7.33
 94)  1,3-Dichlorobenze 1.392 1.292 1.118 1.249 1.242 1.300 1.255 1.264   6.50
 95)  4-Isopropyltoluen 1.984 1.869 1.641 1.773 1.815 1.900 1.906 1.841   6.04
 96)  1,4-Dichlorobenze 1.392 1.361 1.177 1.318 1.281 1.329 1.255 1.302   5.50
 97)  tert-Butylbenzene 0.523 0.462 0.363 0.395 0.379 0.398 0.657 0.454  23.19
             ---- Linear regression ----  Coefficient =  0.9994
               Response Ratio = 0.00764 + 0.38073 *A

 98)  n-Butylbenzene    1.868 1.758 1.533 1.805 1.688 1.785 2.041 1.782   8.75
 99)  1,2-Dichlorobenze 1.255 1.189 1.039 1.235 1.139 1.192 1.254 1.186   6.50
100)  1,2,4-Trimethylbe 2.292 2.265 1.941 2.152 2.184 2.278 2.250 2.195   5.60
101)  Hexachloroethane  0.466 0.401 0.400 0.507 0.373 0.384 0.523 0.436  14.10
102)  1,2-Dibromo-3-Chl 0.155 0.115 0.099 0.129 0.096 0.100 0.150 0.121  20.48
             ---- Linear regression ----  Coefficient =  0.9955
               Response Ratio = 0.00644 + 0.09523 *A

103)  1,2,4-Trichlorobe 0.619 0.553 0.542 0.727 0.563 0.586 0.802 0.627  15.83
             ---- Linear regression ----  Coefficient =  0.9964
               Response Ratio = 0.02420 + 0.56362 *A

104)  Hexachlorobutadie 0.365 0.293 0.264 0.327 0.244 0.267 0.518 0.325  28.98
             ---- Linear regression ----  Coefficient =  0.9950
               Response Ratio = 0.01874 + 0.24470 *A

105)  Naphthalene       0.896 0.741 0.758 1.076 0.822 0.858 1.378 0.933  24.20
             ---- Linear regression ----  Coefficient =  0.9957
               Response Ratio = 0.03437 + 0.82381 *A

106)  1,2,3-Trichlorobe 0.420 0.324 0.301 0.404 0.305 0.317 0.633 0.386  30.77
             ---- Linear regression ----  Coefficient =  0.9959
```

Initial Calibration Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: VF3547-ICC3547
Lab FileID: F019686.D

```
                Response Ratio = 0.01703 + 0.30448 *A


107) I   1,4-Dichlorobenzene-d ----------------ISTD---------------------
108)H TPH-GRO (C6-C10)  0.865 1.185 2.152 2.237 4.987 4.850 0.117 2.342  81.40
              ---- Linear regression ----  Coefficient =  0.9567
                Response Ratio = -79.72504 + 5.16970 *A

 ---------------------------------------------------------------------------
 (#) = Out of Range

          VF3547AP9G.M        Tue Sep 15 16:56:11 2009
```

Initial Calibration Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: VF3548-ICC3547
Lab FileID: F019686.D

Response Factor Report GC/MS F

```
Method       : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title        : SW846 8260B and EPA 624
Last Update  : Tue Sep 15 16:21:04 2009
Response via : Initial Calibration

Calibration Files
1   =F019683.D   2   =F019684.D   3   =F019685.D   4   =F019686.D
7   =F019688.D   5   =F019687.D   8   =F019682.D

   Compound             1     2     3     4     7     5     8     Avg   %RSD
-------------------------------------------------------------------------------

1) I   Fluorobenzene         ----------------ISTD---------------------
2)  Dichlorodifluorom 0.274 0.296 0.255 0.348 0.253 0.248 0.291 0.281  12.57
3)P Chloromethane     0.234 0.229 0.183 0.347 0.247 0.235 0.356 0.261  24.68
           ---- Linear regression ----  Coefficient =  0.9906
             Response Ratio = 0.00644 + 0.24473 *A

4)C Vinyl Chloride    0.199 0.211 0.168 0.280 0.207 0.194 0.233 0.213  16.63
           ---- Linear regression ----  Coefficient =  0.9924
             Response Ratio = 0.00509 + 0.20439 *A

5)  Bromomethane      0.221 0.195 0.162 0.189 0.155 0.149 0.243 0.188  18.89
           ---- Linear regression ----  Coefficient =  0.9976
             Response Ratio = 0.00600 + 0.15275 *A

6)  Chloroethane      0.132 0.132 0.117 0.138 0.134 0.124 0.157 0.134   9.39
7)  Trichlorofluorome 0.455 0.440 0.401 0.450 0.412 0.386 0.493 0.434   8.47
8)  Acrolein          0.023 0.023 0.019 0.020 0.022 0.022 0.022 0.022   6.74
9)  Ethyl Ether       0.201 0.179 0.160 0.183 0.174 0.169 0.195 0.180   7.90
10)C 1,1-Dichloroethen 0.391 0.358 0.315 0.354 0.341 0.328 0.365 0.350   7.11
11)  Freon 113        0.249 0.256 0.218 0.221 0.221 0.205 0.207 0.225   8.65
12)  Acetone          0.120 0.082 0.062 0.071 0.062 0.064 0.171 0.090  45.59
           ---- Linear regression ----  Coefficient =  0.9994
             Response Ratio = 0.01355 + 0.06190 *A

13)  Iodomethane      0.406 0.398 0.370 0.428 0.363 0.370 0.382 0.388   6.05
14)  Methyl acetate   0.170 0.146 0.125 0.144 0.145 0.145 0.217 0.156  19.26
           ---- Linear regression ----  Coefficient =  0.9998
             Response Ratio = -0.00620 + 0.14558 *A

15)  Allyl Chloride   0.288 0.331 0.329 0.234 0.189 0.227       0.266  22.03
           ---- Quadratic regression ----  Coefficient =  0.9980
             Response Ratio = 0.00907 + 0.25660 *A + -0.01757 *A^2

16)  Carbon Disulfide 0.710 0.714 0.626 0.691 0.700 0.673 0.719 0.690   4.73
17)  Acetonitrile     0.103 0.157 0.041 0.041 0.059 0.050 0.175 0.090  63.38
           ---- Quadratic regression ----  Coefficient =  0.9977
             Response Ratio = 0.01091 + 0.03549 *A + 0.00225 *A^2

18)  Methylene Chlorid 0.392 0.323 0.275 0.307 0.290 0.291 0.499 0.340  23.58
           ---- Linear regression ----  Coefficient =  0.9998
             Response Ratio = 0.00382 + 0.28922 *A

19)  Tert Butyl Alcoho 0.022 0.020 0.018 0.022 0.019 0.020 0.024 0.021   9.78
20)  trans-1,2-Dichlor 0.341 0.338 0.306 0.340 0.320 0.316 0.325 0.327   4.18
21)  Acrylonitrile    0.060 0.057 0.052 0.055 0.063 0.062 0.061 0.058   6.89
22)  Methyl Tert Butyl 0.808 0.744 0.671 0.772 0.686 0.690 0.810 0.740   7.93
```

Initial Calibration Summary

Job Number: T39513 **Sample:** VF3548-ICC3547
Account: ERMUTSLC ERM Salt Lake City **Lab FileID:** F019686.D
Project: Vertellus-Provo

23)	Hexane	0.194	0.197	0.165	0.165	0.180	0.180	0.181	0.180	7.09
24)P	1,1-Dichloroethan	0.441	0.445	0.373	0.434	0.398	0.388	0.410	0.413	6.80
25)	Vinyl acetate	0.534	0.522	0.460	0.536	0.501	0.492	0.580	0.518	7.36
26)	Di-isopropyl ethe	0.810	0.816	0.710	0.819	0.805	0.799	0.891	0.807	6.54
27)	Chloroprene	0.383	0.405	0.388	0.394	0.352	0.330	0.426	0.382	8.43
28)	Ethyl tert-butyl	0.794	0.813	0.731	0.848	0.766	0.773	0.828	0.793	5.07
29)	2,2-Dichloropropa	0.382	0.392	0.329	0.353	0.264	0.287	0.379	0.341	14.67
30)	cis-1,2-Dichloroe	0.307	0.292	0.267	0.295	0.273	0.266	0.287	0.284	5.45
31)	Ethyl Acetate	0.310	0.297	0.256	0.295	0.284	0.286	0.229	0.279	10.03
32)	2-Butanone	0.310	0.297	0.256	0.295	0.284	0.286	0.229	0.279	10.03
33)	Propionitrile	0.019	0.021	0.022	0.023	0.024	0.023	0.019	0.021	8.86
34)	Methacrylonitrile	0.209	0.173	0.168	0.177	0.163	0.164	0.260	0.188	18.90
35)	Bromochloromethan	0.147	0.143	0.136	0.154	0.139	0.140	0.125	0.141	6.37
36)C	Chloroform	0.605	0.573	0.515	0.590	0.490	0.508	0.547	0.547	8.08
37)	Tetrahydrofuran	0.119	0.088	0.125	0.145	0.119	0.120	0.175	0.127	21.05

---- Linear regression ---- Coefficient = 0.9980
Response Ratio = 0.00368 + 0.11862 *A

38)	1,1,1-Trichloroet	0.519	0.502	0.451	0.501	0.411	0.428	0.487	0.471	8.76
39)S	Dibromofluorometh	0.290	0.308	0.272	0.313	0.281	0.280	0.331	0.296	7.21
40)	Cyclohexane	0.312	0.289	0.261	0.272	0.289	0.295	0.268	0.284	6.33
41)	Isobutyl Alcohol	0.001	0.003	0.004	0.003	0.004	0.003	0.007	0.004	45.97

---- Linear regression ---- Coefficient = 0.9990
Response Ratio = -0.00176 + 0.00358 *A

42)	n-Butyl Alcohol	0.001	0.001	0.002	0.002	0.002	0.002	0.001	0.002	29.20

---- Linear regression ---- Coefficient = 0.9995
Response Ratio = -0.00186 + 0.00219 *A

43)	1,1-Dichloroprope	0.373	0.369	0.335	0.360	0.332	0.343	0.347	0.351	4.65
44)	Carbon Tetrachlor	0.448	0.444	0.392	0.430	0.362	0.372	0.427	0.411	8.51
45)S	1,2-Dichloroethan	0.427	0.448	0.378	0.439	0.363	0.369	0.492	0.417	11.54
46)	Benzene	0.855	0.853	0.755	0.821	0.810	0.837	0.811	0.820	4.18
47)	1,2-Dichloroethan	0.500	0.516	0.445	0.507	0.416	0.435	0.512	0.476	8.85
48)	tert-amyl methyl	0.783	0.754	0.672	0.759	0.708	0.730	0.825	0.747	6.66
49)	Trichloroethene	0.415	0.337	0.263	0.289	0.270	0.273	0.561	0.344	31.94

---- Linear regression ---- Coefficient = 0.9998
Response Ratio = 0.00617 + 0.26928 *A

50)	Methylcyclohexane	0.266	0.289	0.242	0.252	0.266	0.276	0.259	0.264	5.81
51)	Methyl Methacryla	0.215	0.211	0.209	0.227	0.208	0.215	0.248	0.219	6.56
52)C	1,2-Dichloropropa	0.209	0.204	0.180	0.202	0.209	0.208	0.201	0.202	5.08
53)	Dibromomethane	0.199	0.209	0.180	0.206	0.186	0.191	0.189	0.194	5.49
54)	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002		0.002	13.52
55)	Bromodichlorometh	0.484	0.500	0.429	0.496	0.432	0.448	0.515	0.472	7.42
56)	2-Nitropropane	0.116	0.103	0.095	0.103	0.081	0.087	0.112	0.100	12.73
57)	2-Chloroethyl vin	0.096	0.093	0.091	0.110	0.117	0.118	0.103	0.104	10.58
58)	1-Bromo-2-Chloroe	0.306	0.289	0.257	0.293	0.300	0.306	0.312	0.295	6.22
59)	4-Methyl-2-pentan	0.209	0.193	0.167	0.192	0.189	0.195	0.221	0.195	8.57
60)	cis-1,3-Dichlorop	0.447	0.436	0.397	0.459	0.440	0.454	0.453	0.441	4.77
61) I	Chlorobenzene-d5	----------ISTD----------								
62)S	Toluene-d8	1.178	1.230	1.023	1.139	1.217	1.154	1.449	1.199	10.81
63)C	Toluene	1.404	1.380	1.192	1.307	1.357	1.342	1.404	1.341	5.53
64)	Ethyl Methacrylat	0.405	0.412	0.424	0.438	0.456	0.440	0.418	0.428	4.17
65)	trans-1,3-Dichlor	0.598	0.589	0.527	0.601	0.580	0.588	0.589	0.582	4.34
66)	1,1,2-Trichloroet	0.262	0.253	0.221	0.247	0.256	0.257	0.261	0.251	5.62
67)	Tetrachloroethene	0.454	0.447	0.386	0.403	0.411	0.410	0.441	0.422	6.08
68)	2-hexanone	0.202	0.184	0.167	0.192	0.192	0.198	0.210	0.192	7.18
69)	1,3-Dichloropropa	0.592	0.563	0.506	0.553	0.568	0.576	0.594	0.564	5.29

Initial Calibration Summary

Job Number: T39513 **Sample:** VF3548-ICC3547
Account: ERMUTSLC ERM Salt Lake City **Lab FileID:** F019686.D
Project: Vertellus-Provo

```
 70)  Dibromochlorometh 0.439 0.442 0.396 0.455 0.436 0.436 0.426 0.433   4.26
 71)  1,2-Dibromoethane 0.369 0.352 0.320 0.355 0.363 0.362 0.347 0.353   4.59
 72)  1-Chlorohexane    0.494 0.466 0.408 0.467 0.483 0.489 0.484 0.470   6.23
 73)P Chlorobenzene     0.905 0.902 0.792 0.890 0.888 0.893 0.959 0.890   5.59
 74)  1,1,1,2-Tetrachlo 0.417 0.407 0.345 0.400 0.367 0.370 0.388 0.385   6.65
 75)C Ethylbenzene      1.828 1.723 1.455 1.674 1.587 1.610 1.813 1.670   7.92
 76)  m,p-Xylene        1.397 1.341 1.150 1.311 1.218 1.250 1.329 1.285   6.53
 77)  o-Xylene          1.445 1.372 1.183 1.374 1.287 1.313 1.384 1.337   6.36
 78)  Styrene           0.951 0.957 0.850 0.985 0.989 1.005 0.918 0.951   5.60
 79)P Bromoform         0.333 0.299 0.283 0.329 0.304 0.305 0.302 0.308   5.74

 80) I   1,4-Dichlorobenzene-d ----------------ISTD---------------------
 81)  Isopropylbenzene  2.385 2.318 1.989 2.162 2.329 2.406 2.256 2.264   6.45
 82)  Cyclohexanone     0.024 0.019 0.015 0.018 0.019 0.020 0.014 0.019  18.27
             ---- Linear regression ----  Coefficient =  0.9986
               Response Ratio = -0.00109 + 0.01929 *A

 83)S 4-Bromofluorobenz 0.981 0.968 0.811 0.925 0.956 0.957 1.350 0.993  16.91
             ---- Linear regression ----  Coefficient =  0.9997
               Response Ratio = -0.01304 + 0.95902 *A

 84)  Bromobenzene      0.882 0.820 0.729 0.783 0.805 0.833 0.814 0.809   5.81
 85)P 1,1,2,2-Tetrachlo 0.668 0.585 0.528 0.596 0.628 0.654 0.672 0.619   8.50
 86)  Trans-1,4-Dichlor 0.235 0.216 0.208 0.242 0.229 0.237 0.237 0.229   5.48
 87)  1,2,3-Trichloropr 0.254 0.228 0.212 0.229 0.231 0.240 0.257 0.236   6.71
 88)  n-Propylbenzene   3.311 3.163 2.714 2.992 3.085 3.232 3.226 3.103   6.48
 89)  2-Chlorotoluene   2.495 2.397 1.997 2.208 2.210 2.298 2.540 2.306   8.17
 90)  4-Chlorotoluene   2.348 2.138 1.868 2.078 2.102 2.181 2.367 2.155   7.90
 91)  1,3,5-Trimethylbe 2.203 2.104 1.819 1.999 2.063 2.128 2.057 2.053   5.91
 92)  Pentachloroethane 0.550 0.507 0.524 0.513 0.516 0.510 0.533 0.522   2.91
 93)  sec-Butylbenzene  2.424 2.274 1.961 2.173 2.232 2.346 2.443 2.264   7.33
 94)  1,3-Dichlorobenze 1.392 1.292 1.118 1.249 1.242 1.300 1.255 1.264   6.50
 95)  4-Isopropyltoluen 1.984 1.869 1.641 1.773 1.815 1.900 1.906 1.841   6.04
 96)  1,4-Dichlorobenze 1.392 1.361 1.177 1.318 1.281 1.329 1.255 1.302   5.50
 97)  tert-Butylbenzene 0.523 0.462 0.363 0.395 0.379 0.398 0.657 0.454  23.19
             ---- Linear regression ----  Coefficient =  0.9994
               Response Ratio = 0.00764 + 0.38073 *A

 98)  n-Butylbenzene    1.868 1.758 1.533 1.805 1.688 1.785 2.041 1.782   8.75
 99)  1,2-Dichlorobenze 1.255 1.189 1.039 1.235 1.139 1.192 1.254 1.186   6.50
100)  1,2,4-Trimethylbe 2.292 2.265 1.941 2.152 2.184 2.278 2.250 2.195   5.60
101)  Hexachloroethane  0.466 0.401 0.400 0.507 0.373 0.384 0.523 0.436  14.10
102)  1,2-Dibromo-3-Chl 0.155 0.115 0.099 0.129 0.096 0.100 0.150 0.121  20.48
             ---- Linear regression ----  Coefficient =  0.9955
               Response Ratio = 0.00644 + 0.09523 *A

103)  1,2,4-Trichlorobe 0.619 0.553 0.542 0.727 0.563 0.586 0.802 0.627  15.83
             ---- Linear regression ----  Coefficient =  0.9964
               Response Ratio = 0.02420 + 0.56362 *A

104)  Hexachlorobutadie 0.365 0.293 0.264 0.327 0.244 0.267 0.518 0.325  28.98
             ---- Linear regression ----  Coefficient =  0.9950
               Response Ratio = 0.01874 + 0.24470 *A

105)  Naphthalene       0.896 0.741 0.758 1.076 0.822 0.858 1.378 0.933  24.20
             ---- Linear regression ----  Coefficient =  0.9957
               Response Ratio = 0.03437 + 0.82381 *A

106)  1,2,3-Trichlorobe 0.420 0.324 0.301 0.404 0.305 0.317 0.633 0.386  30.77
             ---- Linear regression ----  Coefficient =  0.9959
```

Initial Calibration Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: VF3548-ICC3547
Lab FileID: F019686.D

```
                Response Ratio = 0.01703 + 0.30448 *A


107) I   1,4-Dichlorobenzene-d ----------------ISTD---------------------
108)H TPH-GRO (C6-C10)  0.865 1.185 2.152 2.237 4.987 4.850 0.117 2.342  81.40
              ---- Linear regression ----  Coefficient =  0.9567
                Response Ratio = -79.72504 + 5.16970 *A

 ---------------------------------------------------------------------------
 (#) = Out of Range

          VF3547AP9G.M        Tue Sep 15 16:56:11 2009
```

Initial Calibration Verification

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: VF3547-ICV3547
Lab FileID: F019690.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\2\DATA\VF3548\F019690.D Vial: 10
Acq On : 14 Sep 2009 4:31 pm Operator: AnjanaP
Sample : icv3547-40 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Tue Sep 15 16:21:04 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	144	0.00	10.67
2	Dichlorodifluoromethane	0.281	0.176	37.4#	73	0.00	4.67
		Amount	Calc.	%Drift			
3 P	Chloromethane	40.000	35.598	11.0	94	0.00	5.06
4 C	Vinyl Chloride	40.000	36.210	9.5	98	0.00	5.28
5	Bromomethane	40.000	38.529	3.7	118	0.01	5.88
		AvgRF	CCRF	%Dev			
6	Chloroethane	0.134	0.116	13.4	121	0.01	6.03
7	Trichlorofluoromethane	0.434	0.341	21.4#	109	0.00	6.37
8	Acrolein	0.022	0.023	-4.5	165	0.00	8.21
9	Ethyl Ether	0.180	0.152	15.6	119	0.00	6.67
10 C	1,1-Dichloroethene	0.350	0.347	0.9	141	0.00	7.12
11	Freon 113	0.225	0.225	0.0	147	0.00	7.01
		Amount	Calc.	%Drift			
12	Acetone	200.000	197.040	1.5	131	0.00	7.15
		AvgRF	CCRF	%Dev			
13	Iodomethane	0.388	0.417	-7.5	140	0.00	7.43
		Amount	Calc.	%Drift			
14	Methyl acetate	200.000	198.504	0.7	143	0.00	7.51
15	Allyl Chloride	40.000	35.771	10.6	141	0.00	7.56
		AvgRF	CCRF	%Dev			
16	Carbon Disulfide	0.690	0.757	-9.7	158	0.00	7.55
		Amount	Calc.	%Drift			
17	Acetonitrile	100.000	207.907	-107.9#	350	0.07	7.62
18	Methylene Chloride	40.000	39.626	0.9	136	0.00	7.79
		AvgRF	CCRF	%Dev			
19	Tert Butyl Alcohol	0.021	0.019	9.5	127	0.01	7.71
20	trans-1,2-Dichloroethene	0.327	0.336	-2.8	142	0.00	8.05
21	Acrylonitrile	0.058	0.063	-8.6	165	0.00	8.11
22	Methyl Tert Butyl Ether	0.740	0.704	4.9	131	0.00	7.94
23	Hexane	0.180	0.196	-8.9	172	0.01	8.22
24 P	1,1-Dichloroethane	0.413	0.398	3.6	132	0.00	8.61
25	Vinyl acetate	0.518	0.506	2.3	136	0.00	8.52
26	Di-isopropyl ether	0.807	0.806	0.1	142	0.00	8.44

Initial Calibration Verification

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: VF3547-ICV3547
Lab FileID: F019690.D

27		Chloroprene	0.382	0.382	0.0	140	0.01	8.68
28		Ethyl tert-butyl ether	0.793	0.756	4.7	128	0.00	8.88
29		2,2-Dichloropropane	0.341	0.292	14.4	119	0.00	9.30
30		cis-1,2-Dichloroethene	0.284	0.269	5.3	131	0.01	9.33
31		Ethyl Acetate	0.279	0.280	-0.4	136	0.00	9.21
32		2-Butanone	0.279	0.280	-0.4	136	0.00	9.21
33		Propionitrile	0.021	0.044	-109.5#	279#	0.00	9.45
34		Methacrylonitrile	0.188	1.337	-611.2#	1085#	0.00	9.60
35		Bromochloromethane	0.141	0.139	1.4	130	0.00	9.64
36	C	Chloroform	0.547	0.502	8.2	122	0.00	9.65
		----------	Amount	Calc.	%Drift	----------		
37		Tetrahydrofuran	40.000	39.305	1.7	120	0.00	9.21
		----------	AvgRF	CCRF	%Dev	----------		
38		1,1,1-Trichloroethane	0.471	0.419	11.0	120	0.01	9.92
39	S	Dibromofluoromethane	0.296	0.327	-10.5	151	0.00	9.87
40		Cyclohexane	0.284	0.307	-8.1	163	0.00	9.93
		----------	Amount	Calc.	%Drift	----------		
41		Isobutyl Alcohol	800.000	1485.968	-85.7#	284	0.01	10.02
42		n-Butyl Alcohol	800.000	1436.926	-79.6#	283	0.00	10.81
		----------	AvgRF	CCRF	%Dev	----------		
43		1,1-Dichloropropene	0.351	0.335	4.6	134	0.00	10.08
44		Carbon Tetrachloride	0.411	0.363	11.7	121	0.00	10.08
45	S	1,2-Dichloroethane-d4	0.417	0.431	-3.4	141	0.00	10.34
46		Benzene	0.820	0.832	-1.5	146	0.01	10.37
47		1,2-Dichloroethane	0.476	0.424	10.9	120	0.00	10.44
48		tert-amyl methyl ether	0.747	0.699	6.4	133	0.00	10.31
		----------	Amount	Calc.	%Drift	----------		
49		Trichloroethene	40.000	39.230	1.9	135	0.00	11.12
		----------	AvgRF	CCRF	%Dev	----------		
50		Methylcyclohexane	0.264	0.278	-5.3	159	0.00	11.30
51		Methyl Methacrylate	0.219	0.210	4.1	133	0.01	11.37
52	C	1,2-Dichloropropane	0.202	0.208	-3.0	148	0.01	11.47
53		Dibromomethane	0.194	0.185	4.6	129	0.00	11.66
54		1,4-Dioxane	0.002	0.002	0.0	146	0.00	11.54
55		Bromodichloromethane	0.472	0.415	12.1	120	0.00	11.77
56		2-Nitropropane	0.100	0.091	9.0	127	0.00	12.09
57		2-Chloroethyl vinyl ether	0.104	0.108	-3.8	141	0.00	12.01
58		1-Bromo-2-Chloroethane	0.295	0.304	-3.1	149	0.00	12.26
59		4-Methyl-2-pentanone	0.195	0.195	0.0	146	0.00	12.39
60		cis-1,3-Dichloropropene	0.441	0.436	1.1	137	0.00	12.31
61	I	Chlorobenzene-d5	1.000	1.000	0.0	140	0.00	14.64
62	S	Toluene-d8	1.199	1.411	-17.7	173	0.00	12.62
63	C	Toluene	1.341	1.348	-0.5	144	0.01	12.72
64		Ethyl Methacrylate	0.428	0.407	4.9	130	0.01	12.90
65		trans-1,3-Dichloropropene	0.582	0.593	-1.9	138	0.00	13.02
66		1,1,2-Trichloroethane	0.251	0.246	2.0	139	0.01	13.30
67		Tetrachloroethene	0.422	0.397	5.9	138	0.00	13.44
68		2-hexanone	0.192	0.188	2.1	137	0.01	13.46
69		1,3-Dichloropropane	0.564	0.541	4.1	137	0.00	13.55
70		Dibromochloromethane	0.433	0.409	5.5	126	0.00	13.86
71		1,2-Dibromoethane	0.353	0.351	0.6	139	0.00	14.10
72		1-Chlorohexane	0.470	0.478	-1.7	143	0.00	14.43
73	P	Chlorobenzene	0.890	0.890	0.0	140	0.01	14.69

Initial Calibration Verification

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: VF3547-ICV3547
Lab FileID: F019690.D

74		1,1,1,2-Tetrachloroethane	0.385	0.359	6.8	126	0.00	14.76
75	C	Ethylbenzene	1.670	1.583	5.2	132	0.00	14.70
76		m,p-Xylene	1.285	1.243	3.3	133	0.01	14.85
77		o-Xylene	1.337	1.347	-0.7	137	0.00	15.43
78		Styrene	0.951	0.971	-2.1	138	0.00	15.45
79	P	Bromoform	0.308	0.297	3.6	126	0.00	15.85
80	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	131	0.00	17.83
81		Isopropylbenzene	2.264	2.384	-5.3	145	0.01	15.86
		----------	Amount	Calc.	%Drift	----------		
82		Cyclohexanone	200.000	353.971	-77.0#	243	0.01	16.19
83	S	4-Bromofluorobenzene	40.000	45.977	-14.9	154	0.01	16.20
		----------	AvgRF	CCRF	%Dev	----------		
84		Bromobenzene	0.809	0.800	1.1	134	0.01	16.47
85	P	1,1,2,2-Tetrachloroethane	0.619	0.616	0.5	136	0.00	16.33
86		Trans-1,4-Dichloro-2-Bute	0.229	0.222	3.1	121	0.00	16.40
87		1,2,3-Trichloropropane	0.236	0.206	12.7	118	0.00	16.46
88		n-Propylbenzene	3.103	3.105	-0.1	136	0.00	16.40
89		2-Chlorotoluene	2.306	2.220	3.7	132	0.01	16.66
90		4-Chlorotoluene	2.155	2.096	2.7	132	0.00	16.80
91		1,3,5-Trimethylbenzene	2.053	2.061	-0.4	135	0.00	16.60
92		Pentachloroethane	0.522	0.460	11.9	118	0.00	17.27
93		sec-Butylbenzene	2.264	2.278	-0.6	137	0.01	17.40
94		1,3-Dichlorobenzene	1.264	1.252	0.9	131	0.00	17.74
95		4-Isopropyltoluene	1.841	1.809	1.7	134	0.00	17.55
96		1,4-Dichlorobenzene	1.302	1.290	0.9	128	0.00	17.87
		----------	Amount	Calc.	%Drift	----------		
97		tert-Butylbenzene	40.000	39.698	0.8	129	0.00	17.39
		----------	AvgRF	CCRF	%Dev	----------		
98		n-Butylbenzene	1.782	1.672	6.2	121	0.00	18.15
99		1,2-Dichlorobenzene	1.186	1.152	2.9	122	0.01	18.46
100		1,2,4-Trimethylbenzene	2.195	2.135	2.7	130	0.01	17.17
101		Hexachloroethane	0.436	0.423	3.0	109	0.01	18.78
		----------	Amount	Calc.	%Drift	----------		
102		1,2-Dibromo-3-Chloropropa	40.000	37.188	7.0	98	0.01	19.61
103		1,2,4-Trichlorobenzene	40.000	39.020	2.4	105	0.00	20.82
104		Hexachlorobutadiene	40.000	41.517	-3.8	111	0.00	20.90
105		Naphthalene	40.000	40.053	-0.1	106	0.01	21.29
106		1,2,3-Trichlorobenzene	40.000	41.433	-3.6	109	0.00	21.69
		----------	AvgRF	CCRF	%Dev	----------		
107	I	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	131	0.00	17.83
		----------	Amount	Calc.	%Drift	----------		
108	H	TPH-GRO (C6-C10)	4000.000	2610.987	34.7#	139	0.00	12.39

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F019686.D VF3547AP9G.M Tue Sep 15 16:55:53 2009

Initial Calibration Verification

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: VF3548-ICV3547
Lab FileID: F019690.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\2\DATA\VF3548\F019690.D Vial: 10
Acq On : 14 Sep 2009 4:31 pm Operator: AnjanaP
Sample : icv3547-40 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Tue Sep 15 16:21:04 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	144	0.00	10.67
2	Dichlorodifluoromethane	0.281	0.176	37.4#	73	0.00	4.67
		Amount	Calc.	%Drift			
3 P	Chloromethane	40.000	35.598	11.0	94	0.00	5.06
4 C	Vinyl Chloride	40.000	36.210	9.5	98	0.00	5.28
5	Bromomethane	40.000	38.529	3.7	118	0.01	5.88
		AvgRF	CCRF	%Dev			
6	Chloroethane	0.134	0.116	13.4	121	0.01	6.03
7	Trichlorofluoromethane	0.434	0.341	21.4#	109	0.00	6.37
8	Acrolein	0.022	0.023	-4.5	165	0.00	8.21
9	Ethyl Ether	0.180	0.152	15.6	119	0.00	6.67
10 C	1,1-Dichloroethene	0.350	0.347	0.9	141	0.00	7.12
11	Freon 113	0.225	0.225	0.0	147	0.00	7.01
		Amount	Calc.	%Drift			
12	Acetone	200.000	197.040	1.5	131	0.00	7.15
		AvgRF	CCRF	%Dev			
13	Iodomethane	0.388	0.417	-7.5	140	0.00	7.43
		Amount	Calc.	%Drift			
14	Methyl acetate	200.000	198.504	0.7	143	0.00	7.51
15	Allyl Chloride	40.000	35.771	10.6	141	0.00	7.56
		AvgRF	CCRF	%Dev			
16	Carbon Disulfide	0.690	0.757	-9.7	158	0.00	7.55
		Amount	Calc.	%Drift			
17	Acetonitrile	100.000	207.907	-107.9#	350	0.07	7.62
18	Methylene Chloride	40.000	39.626	0.9	136	0.00	7.79
		AvgRF	CCRF	%Dev			
19	Tert Butyl Alcohol	0.021	0.019	9.5	127	0.01	7.71
20	trans-1,2-Dichloroethene	0.327	0.336	-2.8	142	0.00	8.05
21	Acrylonitrile	0.058	0.063	-8.6	165	0.00	8.11
22	Methyl Tert Butyl Ether	0.740	0.704	4.9	131	0.00	7.94
23	Hexane	0.180	0.196	-8.9	172	0.01	8.22
24 P	1,1-Dichloroethane	0.413	0.398	3.6	132	0.00	8.61
25	Vinyl acetate	0.518	0.506	2.3	136	0.00	8.52
26	Di-isopropyl ether	0.807	0.806	0.1	142	0.00	8.44

Initial Calibration Verification

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: VF3548-ICV3547
Lab FileID: F019690.D

27		Chloroprene	0.382	0.382	0.0	140	0.01	8.68
28		Ethyl tert-butyl ether	0.793	0.756	4.7	128	0.00	8.88
29		2,2-Dichloropropane	0.341	0.292	14.4	119	0.00	9.30
30		cis-1,2-Dichloroethene	0.284	0.269	5.3	131	0.01	9.33
31		Ethyl Acetate	0.279	0.280	-0.4	136	0.00	9.21
32		2-Butanone	0.279	0.280	-0.4	136	0.00	9.21
33		Propionitrile	0.021	0.044	-109.5#	279#	0.00	9.45
34		Methacrylonitrile	0.188	1.337	-611.2#	1085#	0.00	9.60
35		Bromochloromethane	0.141	0.139	1.4	130	0.00	9.64
36	C	Chloroform	0.547	0.502	8.2	122	0.00	9.65
		----------	Amount	Calc.	%Drift	----------		
37		Tetrahydrofuran	40.000	39.305	1.7	120	0.00	9.21
		----------	AvgRF	CCRF	%Dev	----------		
38		1,1,1-Trichloroethane	0.471	0.419	11.0	120	0.01	9.92
39	S	Dibromofluoromethane	0.296	0.327	-10.5	151	0.00	9.87
40		Cyclohexane	0.284	0.307	-8.1	163	0.00	9.93
		----------	Amount	Calc.	%Drift	----------		
41		Isobutyl Alcohol	800.000	1485.968	-85.7#	284	0.01	10.02
42		n-Butyl Alcohol	800.000	1436.926	-79.6#	283	0.00	10.81
		----------	AvgRF	CCRF	%Dev	----------		
43		1,1-Dichloropropene	0.351	0.335	4.6	134	0.00	10.08
44		Carbon Tetrachloride	0.411	0.363	11.7	121	0.00	10.08
45	S	1,2-Dichloroethane-d4	0.417	0.431	-3.4	141	0.00	10.34
46		Benzene	0.820	0.832	-1.5	146	0.01	10.37
47		1,2-Dichloroethane	0.476	0.424	10.9	120	0.00	10.44
48		tert-amyl methyl ether	0.747	0.699	6.4	133	0.00	10.31
		----------	Amount	Calc.	%Drift	----------		
49		Trichloroethene	40.000	39.230	1.9	135	0.00	11.12
		----------	AvgRF	CCRF	%Dev	----------		
50		Methylcyclohexane	0.264	0.278	-5.3	159	0.00	11.30
51		Methyl Methacrylate	0.219	0.210	4.1	133	0.01	11.37
52	C	1,2-Dichloropropane	0.202	0.208	-3.0	148	0.01	11.47
53		Dibromomethane	0.194	0.185	4.6	129	0.00	11.66
54		1,4-Dioxane	0.002	0.002	0.0	146	0.00	11.54
55		Bromodichloromethane	0.472	0.415	12.1	120	0.00	11.77
56		2-Nitropropane	0.100	0.091	9.0	127	0.00	12.09
57		2-Chloroethyl vinyl ether	0.104	0.108	-3.8	141	0.00	12.01
58		1-Bromo-2-Chloroethane	0.295	0.304	-3.1	149	0.00	12.26
59		4-Methyl-2-pentanone	0.195	0.195	0.0	146	0.00	12.39
60		cis-1,3-Dichloropropene	0.441	0.436	1.1	137	0.00	12.31
61	I	Chlorobenzene-d5	1.000	1.000	0.0	140	0.00	14.64
62	S	Toluene-d8	1.199	1.411	-17.7	173	0.00	12.62
63	C	Toluene	1.341	1.348	-0.5	144	0.01	12.72
64		Ethyl Methacrylate	0.428	0.407	4.9	130	0.01	12.90
65		trans-1,3-Dichloropropene	0.582	0.593	-1.9	138	0.00	13.02
66		1,1,2-Trichloroethane	0.251	0.246	2.0	139	0.01	13.30
67		Tetrachloroethene	0.422	0.397	5.9	138	0.00	13.44
68		2-hexanone	0.192	0.188	2.1	137	0.01	13.46
69		1,3-Dichloropropane	0.564	0.541	4.1	137	0.00	13.55
70		Dibromochloromethane	0.433	0.409	5.5	126	0.00	13.86
71		1,2-Dibromoethane	0.353	0.351	0.6	139	0.00	14.10
72		1-Chlorohexane	0.470	0.478	-1.7	143	0.00	14.43
73	P	Chlorobenzene	0.890	0.890	0.0	140	0.01	14.69

Initial Calibration Verification

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: VF3548-ICV3547
Lab FileID: F019690.D

74		1,1,1,2-Tetrachloroethane	0.385	0.359	6.8	126	0.00	14.76
75	C	Ethylbenzene	1.670	1.583	5.2	132	0.00	14.70
76		m,p-Xylene	1.285	1.243	3.3	133	0.01	14.85
77		o-Xylene	1.337	1.347	-0.7	137	0.00	15.43
78		Styrene	0.951	0.971	-2.1	138	0.00	15.45
79	P	Bromoform	0.308	0.297	3.6	126	0.00	15.85
80	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	131	0.00	17.83
81		Isopropylbenzene	2.264	2.384	-5.3	145	0.01	15.86
		----------	Amount	Calc.	%Drift	----------		
82		Cyclohexanone	200.000	353.971	-77.0#	243	0.01	16.19
83	S	4-Bromofluorobenzene	40.000	45.977	-14.9	154	0.01	16.20
		----------	AvgRF	CCRF	%Dev	----------		
84		Bromobenzene	0.809	0.800	1.1	134	0.01	16.47
85	P	1,1,2,2-Tetrachloroethane	0.619	0.616	0.5	136	0.00	16.33
86		Trans-1,4-Dichloro-2-Bute	0.229	0.222	3.1	121	0.00	16.40
87		1,2,3-Trichloropropane	0.236	0.206	12.7	118	0.00	16.46
88		n-Propylbenzene	3.103	3.105	-0.1	136	0.00	16.40
89		2-Chlorotoluene	2.306	2.220	3.7	132	0.01	16.66
90		4-Chlorotoluene	2.155	2.096	2.7	132	0.00	16.80
91		1,3,5-Trimethylbenzene	2.053	2.061	-0.4	135	0.00	16.60
92		Pentachloroethane	0.522	0.460	11.9	118	0.00	17.27
93		sec-Butylbenzene	2.264	2.278	-0.6	137	0.01	17.40
94		1,3-Dichlorobenzene	1.264	1.252	0.9	131	0.00	17.74
95		4-Isopropyltoluene	1.841	1.809	1.7	134	0.00	17.55
96		1,4-Dichlorobenzene	1.302	1.290	0.9	128	0.00	17.87
		----------	Amount	Calc.	%Drift	----------		
97		tert-Butylbenzene	40.000	39.698	0.8	129	0.00	17.39
		----------	AvgRF	CCRF	%Dev	----------		
98		n-Butylbenzene	1.782	1.672	6.2	121	0.00	18.15
99		1,2-Dichlorobenzene	1.186	1.152	2.9	122	0.01	18.46
100		1,2,4-Trimethylbenzene	2.195	2.135	2.7	130	0.01	17.17
101		Hexachloroethane	0.436	0.423	3.0	109	0.01	18.78
		----------	Amount	Calc.	%Drift	----------		
102		1,2-Dibromo-3-Chloropropa	40.000	37.188	7.0	98	0.01	19.61
103		1,2,4-Trichlorobenzene	40.000	39.020	2.4	105	0.00	20.82
104		Hexachlorobutadiene	40.000	41.517	-3.8	111	0.00	20.90
105		Naphthalene	40.000	40.053	-0.1	106	0.01	21.29
106		1,2,3-Trichlorobenzene	40.000	41.433	-3.6	109	0.00	21.69
		----------	AvgRF	CCRF	%Dev	----------		
107	I	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	131	0.00	17.83
		----------	Amount	Calc.	%Drift	----------		
108	H	TPH-GRO (C6-C10)	4000.000	2610.987	34.7#	139	0.00	12.39

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F019686.D VF3547AP9G.M Tue Sep 15 16:55:53 2009

Continuing Calibration Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: VF3599-CC3547
Lab FileID: F020700.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\2\DATA\VF3599\F020700.D Vial: 2
Acq On : 13 Oct 2009 9:31 am Operator: AnjanaP
Sample : cc3547-20 Inst : GC/MS F
Misc : ms7103,vf3599,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	101	0.00	10.62
2		Dichlorodifluoromethane	0.281	0.240	14.6	95	0.03	4.65
			Amount	Calc.	%Drift			
3	P	Chloromethane	20.000	14.391	28.0#	106	0.00	5.00
4	C	Vinyl Chloride	20.000	17.095	14.5	112	-0.02	5.22
5		Bromomethane	20.000	25.071	-25.4#	129	0.00	5.81
			AvgRF	CCRF	%Dev			
6		Chloroethane	0.134	0.140	-4.5	121	0.00	5.97
7		Trichlorofluoromethane	0.434	0.397	8.5	100	0.00	6.32
8		Acrolein	0.022	0.022	0.0	114	0.00	8.16
9		Ethyl Ether	0.180	0.192	-6.7	121	0.00	6.61
10	C	1,1-Dichloroethene	0.350	0.427	-22.0#	136	0.00	7.06
11		Freon 113	0.225	0.272	-20.9#	126	0.00	6.95
			Amount	Calc.	%Drift			
12		Acetone	100.000	116.036	-16.0	127	0.00	7.10
			AvgRF	CCRF	%Dev			
13		Iodomethane	0.388	0.502	-29.4#	136	0.00	7.37
			Amount	Calc.	%Drift			
14		Methyl acetate	100.000	115.271	-15.3	133	0.00	7.46
15		Allyl Chloride	20.000	24.114	-20.6#	98	0.00	7.51
			AvgRF	CCRF	%Dev			
16		Carbon Disulfide	0.690	0.816	-18.3	131	0.01	7.51
			Amount	Calc.	%Drift			
17		Acetonitrile	50.000	64.764	-29.5#	148	0.00	7.51
18		Methylene Chloride	20.000	23.994	-20.0	131	0.00	7.73
			AvgRF	CCRF	%Dev			
19		Tert Butyl Alcohol	0.021	0.024	-14.3	132	0.00	7.65
20		trans-1,2-Dichloroethene	0.327	0.389	-19.0	128	0.00	7.99
21		Acrylonitrile	0.058	0.062	-6.9	120	0.00	8.05
22		Methyl Tert Butyl Ether	0.740	0.850	-14.9	128	0.00	7.89
23		Hexane	0.180	0.187	-3.9	114	0.00	8.16
24	P	1,1-Dichloroethane	0.413	0.466	-12.8	126	0.00	8.56
25		Vinyl acetate	0.518	0.589	-13.7	129	0.00	8.47
26		Di-isopropyl ether	0.807	0.863	-6.9	122	0.00	8.39

Continuing Calibration Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: VF3599-CC3547
Lab FileID: F020700.D

27		Chloroprene	0.382	0.458	-19.9	119	0.01	8.63
28		Ethyl tert-butyl ether	0.793	0.924	-16.5	127	0.00	8.83
29		2,2-Dichloropropane	0.341	0.346	-1.5	106	0.00	9.25
30		cis-1,2-Dichloroethene	0.284	0.311	-9.5	117	0.00	9.27
31		Ethyl Acetate	0.279	0.329	-17.9	130	0.00	9.16
32		2-Butanone	0.279	0.329	-17.9	130	0.00	9.16
33		Propionitrile	0.021	0.030	-42.9#	136	0.00	9.40
34		Methacrylonitrile	0.188	0.216	-14.9	129	0.00	9.55
35		Bromochloromethane	0.141	0.170	-20.6#	126	0.00	9.59
36	C	Chloroform	0.547	0.613	-12.1	120	0.00	9.60
		----------	Amount	Calc.	%Drift	----------		
37		Tetrahydrofuran	20.000	24.900	-24.5#	126	0.00	9.16
		----------	AvgRF	CCRF	%Dev	----------		
38		1,1,1-Trichloroethane	0.471	0.509	-8.1	114	0.00	9.86
39	S	Dibromofluoromethane	0.296	0.303	-2.4	112	0.00	9.81
40		Cyclohexane	0.284	0.312	-9.9	121	0.00	9.88
		----------	Amount	Calc.	%Drift	----------		
41		Isobutyl Alcohol	400.000	455.355	-13.8	111	0.01	9.97
42		n-Butyl Alcohol	400.000	477.809	-19.5	137	0.00	10.76
		----------	AvgRF	CCRF	%Dev	----------		
43		1,1-Dichloropropene	0.351	0.399	-13.7	120	0.00	10.03
44		Carbon Tetrachloride	0.411	0.466	-13.4	120	0.00	10.03
		----------	Amount	Calc.	%Drift	----------		
45	S	1,2-Dichloroethane-d4	20.000	19.931	0.3	106	0.00	10.29
		----------	AvgRF	CCRF	%Dev	----------		
46		Benzene	0.820	0.959	-17.0	128	0.00	10.31
47		1,2-Dichloroethane	0.476	0.520	-9.2	118	0.00	10.39
48		tert-amyl methyl ether	0.747	0.889	-19.0	133	0.00	10.26
		----------	Amount	Calc.	%Drift	----------		
49		Trichloroethene	20.000	21.999	-10.0	119	0.00	11.07
		----------	AvgRF	CCRF	%Dev	----------		
50		Methylcyclohexane	0.264	0.277	-4.9	115	0.00	11.25
51		Methyl Methacrylate	0.219	0.297	-35.6#	143	0.00	11.31
52	C	1,2-Dichloropropane	0.202	0.224	-10.9	125	0.00	11.41
53		Dibromomethane	0.194	0.225	-16.0	126	0.00	11.61
54		1,4-Dioxane	0.002	0.003	-50.0#	139	0.00	11.49
55		Bromodichloromethane	0.472	0.498	-5.5	117	0.00	11.72
56		2-Nitropropane	0.100	0.113	-13.0	119	0.00	12.04
57		2-Chloroethyl vinyl ether	0.104	0.138	-32.7#	153	0.00	11.96
58		1-Bromo-2-Chloroethane	0.295	0.240	18.6	94	0.00	12.21
59		4-Methyl-2-pentanone	0.195	0.218	-11.8	131	0.00	12.34
60		cis-1,3-Dichloropropene	0.441	0.494	-12.0	125	0.00	12.26
61	I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00	14.59
		----------	Amount	Calc.	%Drift	----------		
62	S	Toluene-d8	20.000	19.332	3.3	112	0.00	12.57
		----------	AvgRF	CCRF	%Dev	----------		
63	C	Toluene	1.341	1.416	-5.6	125	0.00	12.66
64		Ethyl Methacrylate	0.428	0.557	-30.1#	138	0.01	12.85
65		trans-1,3-Dichloropropene	0.582	0.621	-6.7	124	0.00	12.97

Continuing Calibration Summary

Job Number: T39513 **Sample:** VF3599-CC3547
Account: ERMUTSLC ERM Salt Lake City **Lab FileID:** F020700.D
Project: Vertellus-Provo

66		1,1,2-Trichloroethane	0.251	0.268	-6.8	127	0.00	13.24
67		Tetrachloroethene	0.422	0.529	-25.4#	144	0.00	13.39
68		2-hexanone	0.192	0.205	-6.8	129	0.00	13.40
69		1,3-Dichloropropane	0.564	0.588	-4.3	122	0.00	13.50
70		Dibromochloromethane	0.433	0.455	-5.1	121	0.00	13.81
71		1,2-Dibromoethane	0.353	0.384	-8.8	126	0.00	14.05
72		1-Chlorohexane	0.470	0.458	2.6	118	0.00	14.38
73	P	Chlorobenzene	0.890	0.933	-4.8	124	0.00	14.63
74		1,1,1,2-Tetrachloroethane	0.385	0.406	-5.5	124	0.00	14.71
75	C	Ethylbenzene	1.670	1.686	-1.0	122	0.00	14.64
76		m,p-Xylene	1.285	1.332	-3.7	122	0.00	14.79
77		o-Xylene	1.337	1.379	-3.1	123	0.00	15.38
78		Styrene	0.951	1.020	-7.3	126	0.00	15.40
79	P	Bromoform	0.308	0.329	-6.8	122	0.00	15.80
80	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00	17.78
81		Isopropylbenzene	2.264	2.189	3.3	115	0.01	15.81
		----------	Amount	Calc.	%Drift	----------		
82		Cyclohexanone	100.000	185.279	-85.3#	239	0.01	16.14
83	S	4-Bromofluorobenzene	20.000	19.002	5.0	113	0.00	16.14
		----------	AvgRF	CCRF	%Dev	----------		
84		Bromobenzene	0.809	0.848	-4.8	122	0.00	16.41
85	P	1,1,2,2-Tetrachloroethane	0.619	0.605	2.3	120	0.00	16.28
86		Trans-1,4-Dichloro-2-Bute	0.229	0.238	-3.9	120	0.01	16.36
87		1,2,3-Trichloropropane	0.236	0.246	-4.2	122	0.00	16.41
88		n-Propylbenzene	3.103	2.964	4.5	114	0.00	16.35
89		2-Chlorotoluene	2.306	2.259	2.0	118	0.00	16.60
90		4-Chlorotoluene	2.155	2.100	2.6	118	0.00	16.75
91		1,3,5-Trimethylbenzene	2.053	1.972	3.9	113	0.00	16.55
92		Pentachloroethane	0.522	0.647	-23.9#	129	0.00	17.21
93		sec-Butylbenzene	2.264	2.070	8.6	110	0.00	17.34
94		1,3-Dichlorobenzene	1.264	1.268	-0.3	119	0.00	17.68
95		4-Isopropyltoluene	1.841	1.689	8.3	108	0.00	17.50
96		1,4-Dichlorobenzene	1.302	1.343	-3.1	119	0.00	17.81
		----------	Amount	Calc.	%Drift	----------		
97		tert-Butylbenzene	20.000	17.853	10.7	103	0.00	17.34
		----------	AvgRF	CCRF	%Dev	----------		
98		n-Butylbenzene	1.782	1.541	13.5	105	0.00	18.10
99		1,2-Dichlorobenzene	1.186	1.158	2.4	117	0.00	18.40
100		1,2,4-Trimethylbenzene	2.195	2.051	6.6	111	0.00	17.11
101		Hexachloroethane	0.436	0.438	-0.5	115	0.01	18.73
		----------	Amount	Calc.	%Drift	----------		
102		1,2-Dibromo-3-Chloropropa	20.000	12.920	35.4#	82	0.01	19.56
103		1,2,4-Trichlorobenzene	20.000	6.790	66.1#	49	0.00	20.76
104		Hexachlorobutadiene	20.000	12.113	39.4#	77	0.00	20.84
105		Naphthalene	20.000	3.553	82.2#	32	0.00	21.23
106		1,2,3-Trichlorobenzene	20.000	0.988	95.1#	20	0.00	21.63
		----------	AvgRF	CCRF	%Dev	----------		
107	I	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	105	0.00	17.78
		----------	Amount	Calc.	%Drift	----------		
108	H	TPH-GRO (C6-C10)	2000.000	1748.219	12.6	123	0.00	12.34

Continuing Calibration Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: VF3599-CC3547
Lab FileID: F020700.D

```
(#) = Out of Range                SPCC's out = 0  CCC's out = 1
 F019685.D  VF3547AP9G.M       Wed Oct 14 13:35:50 2009
```

Continuing Calibration Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: VF3601-CC3547
Lab FileID: F020748.D

Evaluate Continuing Calibration Report

```
Data File : C:\MSDCHEM\2\DATA\VF3601\F020748.D          Vial: 3
Acq On    : 14 Oct 2009  10:53 am                   Operator: AnjanaP
Sample    : cc3547-40                               Inst    : GC/MS F
Misc      : ms7105,vf3602,5,,,5,,water              Multiplr: 1.00
MS Integration Params: RTEINT.P

Method       : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title        : SW846 8260B and EPA 624
Last Update  : Wed Oct 14 13:44:25 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 200%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	96	0.00	10.62
2	Dichlorodifluoromethane	0.281	0.215	23.5#	59	0.00	4.62
	----------	Amount	Calc.	%Drift		----------	
3 P	Chloromethane	40.000	31.587	21.0#	56	-0.03	4.98
4 C	Vinyl Chloride	40.000	38.158	4.6	69	-0.04	5.20
5	Bromomethane	40.000	53.845	-34.6#	109	-0.02	5.80
	----------	AvgRF	CCRF	%Dev		----------	
6	Chloroethane	0.134	0.153	-14.2	107	-0.02	5.95
7	Trichlorofluoromethane	0.434	0.438	-0.9	94	0.00	6.32
8	Acrolein	0.022	0.021	4.5	98	0.00	8.16
9	Ethyl Ether	0.180	0.172	4.4	90	-0.02	6.60
10 C	1,1-Dichloroethene	0.350	0.391	-11.7	106	-0.02	7.05
11	Freon 113	0.225	0.247	-9.8	108	-0.02	6.94
	----------	Amount	Calc.	%Drift		----------	
12	Acetone	200.000	202.645	-1.3	90	-0.01	7.09
	----------	AvgRF	CCRF	%Dev		----------	
13	Iodomethane	0.388	0.463	-19.3	104	-0.02	7.36
	----------	Amount	Calc.	%Drift		----------	
14	Methyl acetate	200.000	209.706	-4.9	101	0.00	7.46
15	Allyl Chloride	40.000	60.260	-50.6#	150	0.00	7.50
	----------	AvgRF	CCRF	%Dev		----------	
16	Carbon Disulfide	0.690	0.728	-5.5	101	0.00	7.50
	----------	Amount	Calc.	%Drift		----------	
17	Acetonitrile	100.000	98.009	2.0	106	0.00	7.50
18	Methylene Chloride	40.000	42.146	-5.4	97	-0.02	7.72
	----------	AvgRF	CCRF	%Dev		----------	
19	Tert Butyl Alcohol	0.021	0.022	-4.8	98	0.00	7.65
20	trans-1,2-Dichloroethene	0.327	0.356	-8.9	101	-0.01	7.99
21	Acrylonitrile	0.058	0.057	1.7	101	-0.01	8.05
22	Methyl Tert Butyl Ether	0.740	0.796	-7.6	99	0.00	7.89
23	Hexane	0.180	0.171	5.0	100	0.00	8.16
24 P	1,1-Dichloroethane	0.413	0.431	-4.4	96	0.00	8.56
25	Vinyl acetate	0.518	0.534	-3.1	96	0.00	8.47
26	Di-isopropyl ether	0.807	0.804	0.4	95	0.00	8.39

Continuing Calibration Summary

Job Number: T39513 **Sample:** VF3601-CC3547
Account: ERMUTSLC ERM Salt Lake City **Lab FileID:** F020748.D
Project: Vertellus-Provo

27		Chloroprene	0.382	0.398	-4.2	97	0.00	8.62
28		Ethyl tert-butyl ether	0.793	0.862	-8.7	98	0.00	8.83
29		2,2-Dichloropropane	0.341	0.316	7.3	86	0.00	9.25
30		cis-1,2-Dichloroethene	0.284	0.285	-0.4	93	0.00	9.27
31		Ethyl Acetate	0.279	0.300	-7.5	98	-0.01	9.15
32		2-Butanone	0.279	0.300	-7.5	98	-0.01	9.15
33		Propionitrile	0.021	0.026	-23.8#	109	-0.01	9.39
34		Methacrylonitrile	0.188	0.181	3.7	98	0.00	9.55
35		Bromochloromethane	0.141	0.157	-11.3	98	0.00	9.59
36	C	Chloroform	0.547	0.567	-3.7	92	0.00	9.60
		----------	Amount	Calc.	%Drift		----------	
37		Tetrahydrofuran	40.000	44.252	-10.6	90	-0.01	9.15
		----------	AvgRF	CCRF	%Dev		----------	
38		1,1,1-Trichloroethane	0.471	0.467	0.8	90	0.00	9.86
39	S	Dibromofluoromethane	0.296	0.329	-11.1	101	0.00	9.82
40		Cyclohexane	0.284	0.283	0.4	100	0.00	9.88
		----------	Amount	Calc.	%Drift		----------	
41		Isobutyl Alcohol	800.000	824.170	-3.0	104	0.00	9.96
42		n-Butyl Alcohol	800.000	822.994	-2.9	106	0.00	10.76
		----------	AvgRF	CCRF	%Dev		----------	
43		1,1-Dichloropropene	0.351	0.368	-4.8	99	0.00	10.03
44		Carbon Tetrachloride	0.411	0.412	-0.2	92	0.00	10.03
		----------	Amount	Calc.	%Drift		----------	
45	S	1,2-Dichloroethane-d4	40.000	45.971	-14.9	95	0.00	10.29
		----------	AvgRF	CCRF	%Dev		----------	
46		Benzene	0.820	0.892	-8.8	105	0.00	10.31
47		1,2-Dichloroethane	0.476	0.475	0.2	90	0.00	10.39
48		tert-amyl methyl ether	0.747	0.813	-8.8	103	0.00	10.26
		----------	Amount	Calc.	%Drift		----------	
49		Trichloroethene	40.000	42.453	-6.1	98	0.00	11.07
		----------	AvgRF	CCRF	%Dev		----------	
50		Methylcyclohexane	0.264	0.259	1.9	99	0.00	11.26
51		Methyl Methacrylate	0.219	0.230	-5.0	97	0.00	11.32
52	C	1,2-Dichloropropane	0.202	0.211	-4.5	101	0.00	11.42
53		Dibromomethane	0.194	0.210	-8.2	98	0.00	11.61
54		1,4-Dioxane	0.002	0.002	0.0	101	0.00	11.50
55		Bromodichloromethane	0.472	0.461	2.3	90	0.00	11.72
56		2-Nitropropane	0.100	0.098	2.0	92	0.00	12.04
57		2-Chloroethyl vinyl ether	0.104	0.139	-33.7#	122	0.00	11.97
58		1-Bromo-2-Chloroethane	0.295	0.220	25.4#	72	0.00	12.21
59		4-Methyl-2-pentanone	0.195	0.200	-2.6	100	0.00	12.34
60		cis-1,3-Dichloropropene	0.441	0.463	-5.0	97	0.00	12.27
61	I	Chlorobenzene-d5	1.000	1.000	0.0	107	0.00	14.60
		----------	Amount	Calc.	%Drift		----------	
62	S	Toluene-d8	40.000	40.479	-1.2	109	0.01	12.58
		----------	AvgRF	CCRF	%Dev		----------	
63	C	Toluene	1.341	1.265	5.7	104	0.00	12.67
64		Ethyl Methacrylate	0.428	0.412	3.7	101	0.00	12.85
65		trans-1,3-Dichloropropene	0.582	0.532	8.6	95	0.00	12.98

Continuing Calibration Summary

Job Number: T39513 **Sample:** VF3601-CC3547
Account: ERMUTSLC ERM Salt Lake City **Lab FileID:** F020748.D
Project: Vertellus-Provo

66		1,1,2-Trichloroethane	0.251	0.245	2.4	107	0.00	13.25
67		Tetrachloroethene	0.422	0.402	4.7	107	0.00	13.40
68		2-hexanone	0.192	0.180	6.3	101	0.00	13.41
69		1,3-Dichloropropane	0.564	0.542	3.9	105	0.00	13.51
70		Dibromochloromethane	0.433	0.400	7.6	94	0.00	13.82
71		1,2-Dibromoethane	0.353	0.342	3.1	103	0.00	14.06
72		1-Chlorohexane	0.470	0.413	12.1	95	0.00	14.39
73	P	Chlorobenzene	0.890	0.836	6.1	101	0.00	14.64
74		1,1,1,2-Tetrachloroethane	0.385	0.355	7.8	95	0.00	14.72
75	C	Ethylbenzene	1.670	1.502	10.1	96	0.00	14.66
76		m,p-Xylene	1.285	1.170	8.9	96	0.02	14.81
77		o-Xylene	1.337	1.202	10.1	94	0.00	15.39
78		Styrene	0.951	0.917	3.6	100	0.00	15.41
79	P	Bromoform	0.308	0.278	9.7	91	0.00	15.81
80	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00	17.79
81		Isopropylbenzene	2.264	1.873	17.3	90	0.02	15.82
		----------	Amount	Calc.	%Drift		----------	
82		Cyclohexanone	200.000	190.351	4.8	103	0.00	16.14
83	S	4-Bromofluorobenzene	40.000	38.181	4.5	101	0.02	16.16
		----------	AvgRF	CCRF	%Dev		----------	
84		Bromobenzene	0.809	0.722	10.8	95	0.02	16.43
85	P	1,1,2,2-Tetrachloroethane	0.619	0.520	16.0	90	0.02	16.30
86		Trans-1,4-Dichloro-2-Bute	0.229	0.147	35.8#	63	0.02	16.37
87		1,2,3-Trichloropropane	0.236	0.205	13.1	92	0.00	16.42
88		n-Propylbenzene	3.103	2.504	19.3	87	0.00	16.36
89		2-Chlorotoluene	2.306	1.897	17.7	89	0.02	16.62
90		4-Chlorotoluene	2.155	1.797	16.6	89	0.00	16.75
91		1,3,5-Trimethylbenzene	2.053	1.694	17.5	88	0.02	16.57
92		Pentachloroethane	0.522	0.457	12.5	92	0.00	17.23
93		sec-Butylbenzene	2.264	1.772	21.7#	84	0.02	17.35
94		1,3-Dichlorobenzene	1.264	1.083	14.3	90	0.00	17.70
95		4-Isopropyltoluene	1.841	1.429	22.4#	83	0.00	17.51
96		1,4-Dichlorobenzene	1.302	1.149	11.8	90	0.00	17.83
		----------	Amount	Calc.	%Drift		----------	
97		tert-Butylbenzene	40.000	32.267	19.3	83	0.00	17.34
		----------	AvgRF	CCRF	%Dev		----------	
98		n-Butylbenzene	1.782	1.367	23.3#	78	0.00	18.11
99		1,2-Dichlorobenzene	1.186	1.015	14.4	85	0.00	18.41
100		1,2,4-Trimethylbenzene	2.195	1.773	19.2	85	0.02	17.13
101		Hexachloroethane	0.436	0.303	30.5#	62	0.02	18.74
		----------	Amount	Calc.	%Drift		----------	
102		1,2-Dibromo-3-Chloropropa	40.000	25.039	37.4#	54	0.02	19.57
103		1,2,4-Trichlorobenzene	40.000	20.997	47.5#	46	0.01	20.78
104		Hexachlorobutadiene	40.000	30.416	24.0#	66	0.00	20.86
105		Naphthalene	40.000	25.019	37.5#	54	0.00	21.24
106		1,2,3-Trichlorobenzene	40.000	16.736	58.2#	38	0.00	21.64
		----------	AvgRF	CCRF	%Dev		----------	
107	I	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	103	0.00	17.79
		----------	Amount	Calc.	%Drift		----------	
108	H	TPH-GRO (C6-C10)	4000.000	2389.089	40.3#	97	0.00	12.34

Continuing Calibration Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: VF3601-CC3547
Lab FileID: F020748.D

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   (#) = Out of Range                SPCC's out = 0  CCC's out = 0
    F019686.D  VF3547AP9G.M       Thu Oct 15 09:39:46 2009
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Continuing Calibration Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: VF3602-CC3547
Lab FileID: F020748.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\2\DATA\VF3601\F020748.D Vial: 3
Acq On : 14 Oct 2009 10:53 am Operator: AnjanaP
Sample : cc3547-40 Inst : GC/MS F
Misc : ms7105,vf3602,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Wed Oct 14 13:44:25 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	96	0.00	10.62
2		Dichlorodifluoromethane	0.281	0.215	23.5#	59	0.00	4.62
			Amount	Calc.	%Drift			
3	P	Chloromethane	40.000	31.587	21.0#	56	-0.03	4.98
4	C	Vinyl Chloride	40.000	38.158	4.6	69	-0.04	5.20
5		Bromomethane	40.000	53.845	-34.6#	109	-0.02	5.80
			AvgRF	CCRF	%Dev			
6		Chloroethane	0.134	0.153	-14.2	107	-0.02	5.95
7		Trichlorofluoromethane	0.434	0.438	-0.9	94	0.00	6.32
8		Acrolein	0.022	0.021	4.5	98	0.00	8.16
9		Ethyl Ether	0.180	0.172	4.4	90	-0.02	6.60
10	C	1,1-Dichloroethene	0.350	0.391	-11.7	106	-0.02	7.05
11		Freon 113	0.225	0.247	-9.8	108	-0.02	6.94
			Amount	Calc.	%Drift			
12		Acetone	200.000	202.645	-1.3	90	-0.01	7.09
			AvgRF	CCRF	%Dev			
13		Iodomethane	0.388	0.463	-19.3	104	-0.02	7.36
			Amount	Calc.	%Drift			
14		Methyl acetate	200.000	209.706	-4.9	101	0.00	7.46
15		Allyl Chloride	40.000	60.260	-50.6#	150	0.00	7.50
			AvgRF	CCRF	%Dev			
16		Carbon Disulfide	0.690	0.728	-5.5	101	0.00	7.50
			Amount	Calc.	%Drift			
17		Acetonitrile	100.000	98.009	2.0	106	0.00	7.50
18		Methylene Chloride	40.000	42.146	-5.4	97	-0.02	7.72
			AvgRF	CCRF	%Dev			
19		Tert Butyl Alcohol	0.021	0.022	-4.8	98	0.00	7.65
20		trans-1,2-Dichloroethene	0.327	0.356	-8.9	101	-0.01	7.99
21		Acrylonitrile	0.058	0.057	1.7	101	-0.01	8.05
22		Methyl Tert Butyl Ether	0.740	0.796	-7.6	99	0.00	7.89
23		Hexane	0.180	0.171	5.0	100	0.00	8.16
24	P	1,1-Dichloroethane	0.413	0.431	-4.4	96	0.00	8.56
25		Vinyl acetate	0.518	0.534	-3.1	96	0.00	8.47
26		Di-isopropyl ether	0.807	0.804	0.4	95	0.00	8.39

Continuing Calibration Summary

Job Number: T39513 **Sample:** VF3602-CC3547
Account: ERMUTSLC ERM Salt Lake City **Lab FileID:** F020748.D
Project: Vertellus-Provo

27		Chloroprene	0.382	0.398	-4.2	97	0.00	8.62
28		Ethyl tert-butyl ether	0.793	0.862	-8.7	98	0.00	8.83
29		2,2-Dichloropropane	0.341	0.316	7.3	86	0.00	9.25
30		cis-1,2-Dichloroethene	0.284	0.285	-0.4	93	0.00	9.27
31		Ethyl Acetate	0.279	0.300	-7.5	98	-0.01	9.15
32		2-Butanone	0.279	0.300	-7.5	98	-0.01	9.15
33		Propionitrile	0.021	0.026	-23.8#	109	-0.01	9.39
34		Methacrylonitrile	0.188	0.181	3.7	98	0.00	9.55
35		Bromochloromethane	0.141	0.157	-11.3	98	0.00	9.59
36	C	Chloroform	0.547	0.567	-3.7	92	0.00	9.60
		----------	Amount	Calc.	%Drift		----------	
37		Tetrahydrofuran	40.000	44.252	-10.6	90	-0.01	9.15
		----------	AvgRF	CCRF	%Dev		----------	
38		1,1,1-Trichloroethane	0.471	0.467	0.8	90	0.00	9.86
39	S	Dibromofluoromethane	0.296	0.329	-11.1	101	0.00	9.82
40		Cyclohexane	0.284	0.283	0.4	100	0.00	9.88
		----------	Amount	Calc.	%Drift		----------	
41		Isobutyl Alcohol	800.000	824.170	-3.0	104	0.00	9.96
42		n-Butyl Alcohol	800.000	822.994	-2.9	106	0.00	10.76
		----------	AvgRF	CCRF	%Dev		----------	
43		1,1-Dichloropropene	0.351	0.368	-4.8	99	0.00	10.03
44		Carbon Tetrachloride	0.411	0.412	-0.2	92	0.00	10.03
		----------	Amount	Calc.	%Drift		----------	
45	S	1,2-Dichloroethane-d4	40.000	45.971	-14.9	95	0.00	10.29
		----------	AvgRF	CCRF	%Dev		----------	
46		Benzene	0.820	0.892	-8.8	105	0.00	10.31
47		1,2-Dichloroethane	0.476	0.475	0.2	90	0.00	10.39
48		tert-amyl methyl ether	0.747	0.813	-8.8	103	0.00	10.26
		----------	Amount	Calc.	%Drift		----------	
49		Trichloroethene	40.000	42.453	-6.1	98	0.00	11.07
		----------	AvgRF	CCRF	%Dev		----------	
50		Methylcyclohexane	0.264	0.259	1.9	99	0.00	11.26
51		Methyl Methacrylate	0.219	0.230	-5.0	97	0.00	11.32
52	C	1,2-Dichloropropane	0.202	0.211	-4.5	101	0.00	11.42
53		Dibromomethane	0.194	0.210	-8.2	98	0.00	11.61
54		1,4-Dioxane	0.002	0.002	0.0	101	0.00	11.50
55		Bromodichloromethane	0.472	0.461	2.3	90	0.00	11.72
56		2-Nitropropane	0.100	0.098	2.0	92	0.00	12.04
57		2-Chloroethyl vinyl ether	0.104	0.139	-33.7#	122	0.00	11.97
58		1-Bromo-2-Chloroethane	0.295	0.220	25.4#	72	0.00	12.21
59		4-Methyl-2-pentanone	0.195	0.200	-2.6	100	0.00	12.34
60		cis-1,3-Dichloropropene	0.441	0.463	-5.0	97	0.00	12.27
61	I	Chlorobenzene-d5	1.000	1.000	0.0	107	0.00	14.60
		----------	Amount	Calc.	%Drift		----------	
62	S	Toluene-d8	40.000	40.479	-1.2	109	0.01	12.58
		----------	AvgRF	CCRF	%Dev		----------	
63	C	Toluene	1.341	1.265	5.7	104	0.00	12.67
64		Ethyl Methacrylate	0.428	0.412	3.7	101	0.00	12.85
65		trans-1,3-Dichloropropene	0.582	0.532	8.6	95	0.00	12.98

Continuing Calibration Summary

Job Number: T39513 **Sample:** VF3602-CC3547
Account: ERMUTSLC ERM Salt Lake City **Lab FileID:** F020748.D
Project: Vertellus-Provo

66		1,1,2-Trichloroethane	0.251	0.245	2.4	107	0.00	13.25
67		Tetrachloroethene	0.422	0.402	4.7	107	0.00	13.40
68		2-hexanone	0.192	0.180	6.3	101	0.00	13.41
69		1,3-Dichloropropane	0.564	0.542	3.9	105	0.00	13.51
70		Dibromochloromethane	0.433	0.400	7.6	94	0.00	13.82
71		1,2-Dibromoethane	0.353	0.342	3.1	103	0.00	14.06
72		1-Chlorohexane	0.470	0.413	12.1	95	0.00	14.39
73	P	Chlorobenzene	0.890	0.836	6.1	101	0.00	14.64
74		1,1,1,2-Tetrachloroethane	0.385	0.355	7.8	95	0.00	14.72
75	C	Ethylbenzene	1.670	1.502	10.1	96	0.00	14.66
76		m,p-Xylene	1.285	1.170	8.9	96	0.02	14.81
77		o-Xylene	1.337	1.202	10.1	94	0.00	15.39
78		Styrene	0.951	0.917	3.6	100	0.00	15.41
79	P	Bromoform	0.308	0.278	9.7	91	0.00	15.81
80	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00	17.79
81		Isopropylbenzene	2.264	1.873	17.3	90	0.02	15.82
		----------	Amount	Calc.	%Drift		----------	
82		Cyclohexanone	200.000	190.351	4.8	103	0.00	16.14
83	S	4-Bromofluorobenzene	40.000	38.181	4.5	101	0.02	16.16
		----------	AvgRF	CCRF	%Dev		----------	
84		Bromobenzene	0.809	0.722	10.8	95	0.02	16.43
85	P	1,1,2,2-Tetrachloroethane	0.619	0.520	16.0	90	0.02	16.30
86		Trans-1,4-Dichloro-2-Bute	0.229	0.147	35.8#	63	0.02	16.37
87		1,2,3-Trichloropropane	0.236	0.205	13.1	92	0.00	16.42
88		n-Propylbenzene	3.103	2.504	19.3	87	0.00	16.36
89		2-Chlorotoluene	2.306	1.897	17.7	89	0.02	16.62
90		4-Chlorotoluene	2.155	1.797	16.6	89	0.00	16.75
91		1,3,5-Trimethylbenzene	2.053	1.694	17.5	88	0.02	16.57
92		Pentachloroethane	0.522	0.457	12.5	92	0.00	17.23
93		sec-Butylbenzene	2.264	1.772	21.7#	84	0.02	17.35
94		1,3-Dichlorobenzene	1.264	1.083	14.3	90	0.00	17.70
95		4-Isopropyltoluene	1.841	1.429	22.4#	83	0.00	17.51
96		1,4-Dichlorobenzene	1.302	1.149	11.8	90	0.00	17.83
		----------	Amount	Calc.	%Drift		----------	
97		tert-Butylbenzene	40.000	32.267	19.3	83	0.00	17.34
		----------	AvgRF	CCRF	%Dev		----------	
98		n-Butylbenzene	1.782	1.367	23.3#	78	0.00	18.11
99		1,2-Dichlorobenzene	1.186	1.015	14.4	85	0.00	18.41
100		1,2,4-Trimethylbenzene	2.195	1.773	19.2	85	0.02	17.13
101		Hexachloroethane	0.436	0.303	30.5#	62	0.02	18.74
		----------	Amount	Calc.	%Drift		----------	
102		1,2-Dibromo-3-Chloropropa	40.000	25.039	37.4#	54	0.02	19.57
103		1,2,4-Trichlorobenzene	40.000	20.997	47.5#	46	0.01	20.78
104		Hexachlorobutadiene	40.000	30.416	24.0#	66	0.00	20.86
105		Naphthalene	40.000	25.019	37.5#	54	0.00	21.24
106		1,2,3-Trichlorobenzene	40.000	16.736	58.2#	38	0.00	21.64
		----------	AvgRF	CCRF	%Dev		----------	
107	I	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	103	0.00	17.79
		----------	Amount	Calc.	%Drift		----------	
108	H	TPH-GRO (C6-C10)	4000.000	2389.089	40.3#	97	0.00	12.34

Continuing Calibration Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: VF3602-CC3547
Lab FileID: F020748.D

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-----------------------------------------------------------------------------

   (#) = Out of Range                SPCC's out = 0  CCC's out = 0
    F019686.D  VF3547AP9G.M       Thu Oct 15 09:39:46 2009
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GC/MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3599\F020707.D Vial: 9
Acq On : 13 Oct 2009 1:11 pm Operator: AnjanaP
Sample : t39513-1 Inst : GC/MS F
Misc : ms7105,vf3599,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 12:02:36 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.63	96	901716	50.00	ug/L	0.00
61) Chlorobenzene-d5	14.59	117	699614	50.00	ug/L	0.00
80) 1,4-Dichlorobenzene-d4	17.78	152	389551	50.00	ug/L	0.00
107) 1,4-Dichlorobenzene-d4a	17.78	152	389551	50.00	ug/kg	0.00

System Monitoring Compounds

39) Dibromofluoromethane	9.81	113	266859	49.91	ug/L	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 99.82%			
45) 1,2-Dichloroethane-d4	10.29	65	342831	50.51	ug/L	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 101.02%			
62) Toluene-d8	12.57	98	716484	43.57	ug/L	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 87.14%			
83) 4-Bromofluorobenzene	16.16	95	333514	45.32	ug/L	0.01
Spiked Amount 50.000	Range 80 - 133		Recovery = 90.64%			

Target Compounds

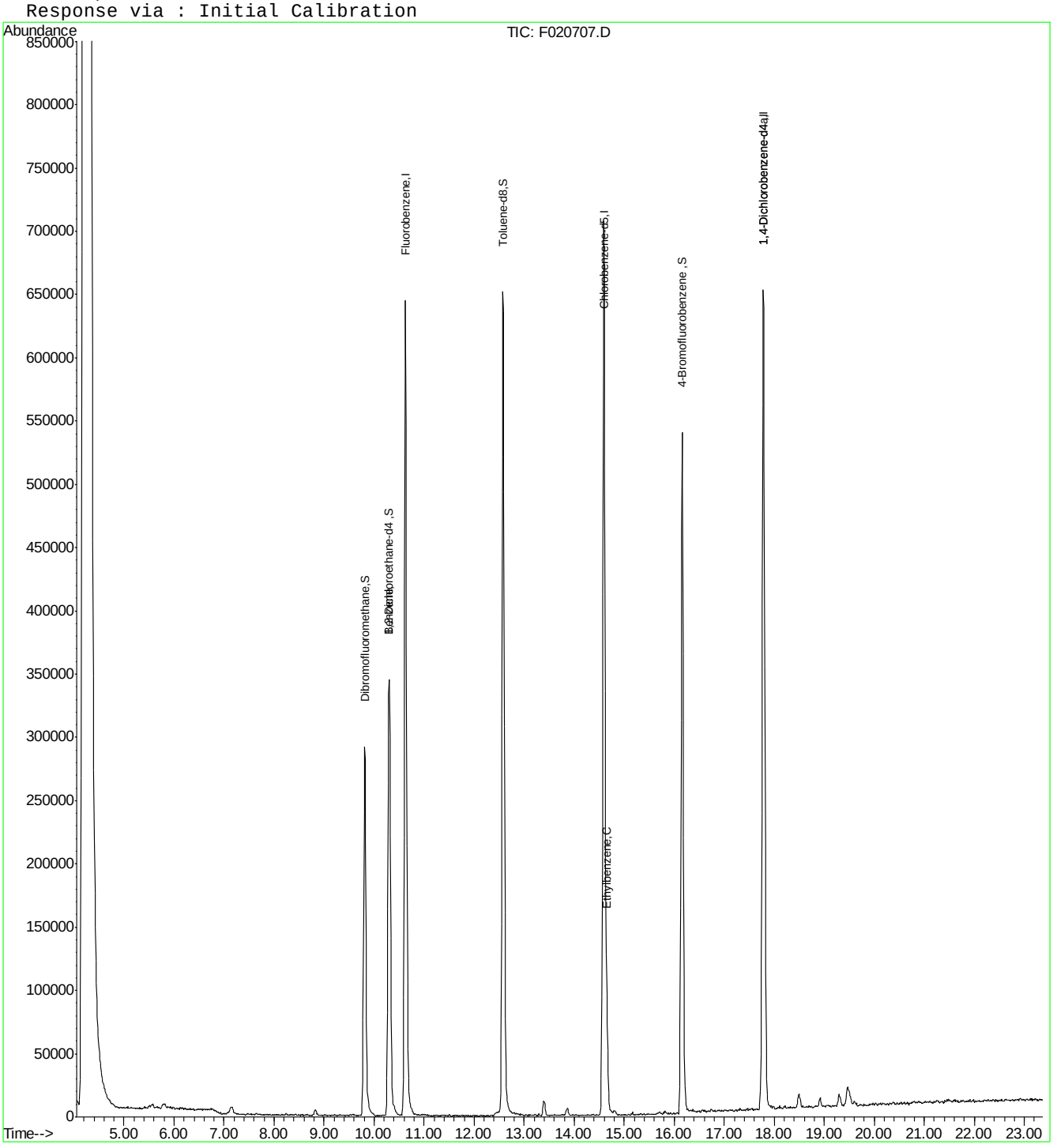
						Qvalue
46) Benzene	10.31	78	161470	10.91	ug/L	53
75) Ethylbenzene	14.65	91	81350	3.48	ug/L	97

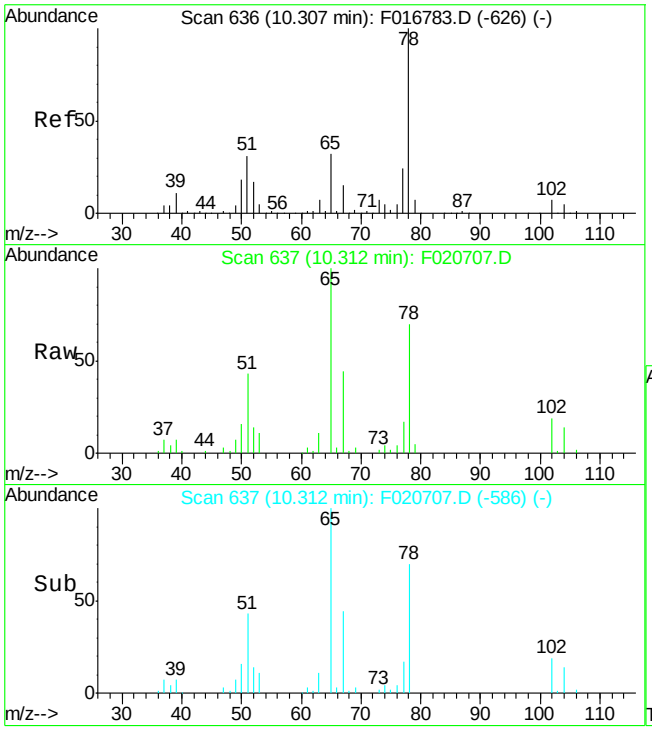
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3599\F020707.D Vial: 9
Acq On : 13 Oct 2009 1:11 pm Operator: AnjanaP
Sample : t39513-1 Inst : GC/MS F
Misc : ms7105,vf3599,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 13:15 2009 Quant Results File: VF3547AP9G.RES

Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration

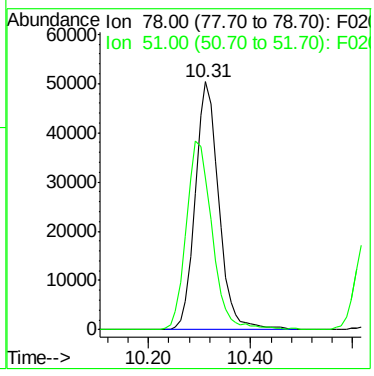


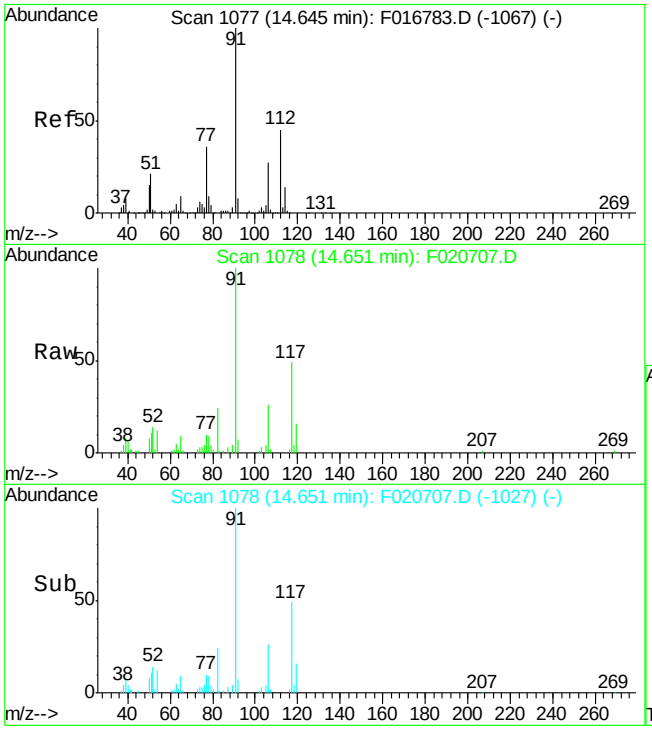


#46
Benzene
Concen: 10.91 ug/L
RT: 10.31 min Scan# 637
Delta R.T. 0.00 min
Lab File: F020707.D
Acq: 13 Oct 2009 1:11 pm

Tgt Ion: 78 Resp: 161470

Ion	Ratio	Lower	Upper
78	100		
51	60.7	4.0	64.0

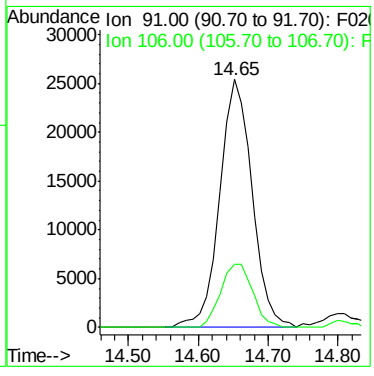




#75
Ethylbenzene
Concen: 3.48 ug/L
RT: 14.65 min Scan# 1078
Delta R.T. 0.00 min
Lab File: F020707.D
Acq: 13 Oct 2009 1:11 pm

Tgt Ion: 91 Resp: 81350

Ion	Ratio	Lower	Upper
91	100		
106	25.7	0.0	57.1



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3599\F020711.D Vial: 13
Acq On : 13 Oct 2009 3:11 pm Operator: AnjanaP
Sample : t39513-2 Inst : GC/MS F
Misc : ms7105,vf3599,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 12:02:40 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.63	96	922594	50.00	ug/L	0.00
61) Chlorobenzene-d5	14.59	117	719061	50.00	ug/L	0.00
80) 1,4-Dichlorobenzene-d4	17.78	152	407732	50.00	ug/L	0.00
107) 1,4-Dichlorobenzene-d4a	17.78	152	407732	50.00	ug/kg	0.00

System Monitoring Compounds						
39) Dibromofluoromethane	9.81	113	268081	49.01	ug/L	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 98.02%			
45) 1,2-Dichloroethane-d4	10.29	65	326253	46.84	ug/L	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 93.68%			
62) Toluene-d8	12.57	98	737758	43.65	ug/L	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 87.30%			
83) 4-Bromofluorobenzene	16.16	95	342752	44.51	ug/L	0.01
Spiked Amount 50.000	Range 80 - 133		Recovery = 89.02%			

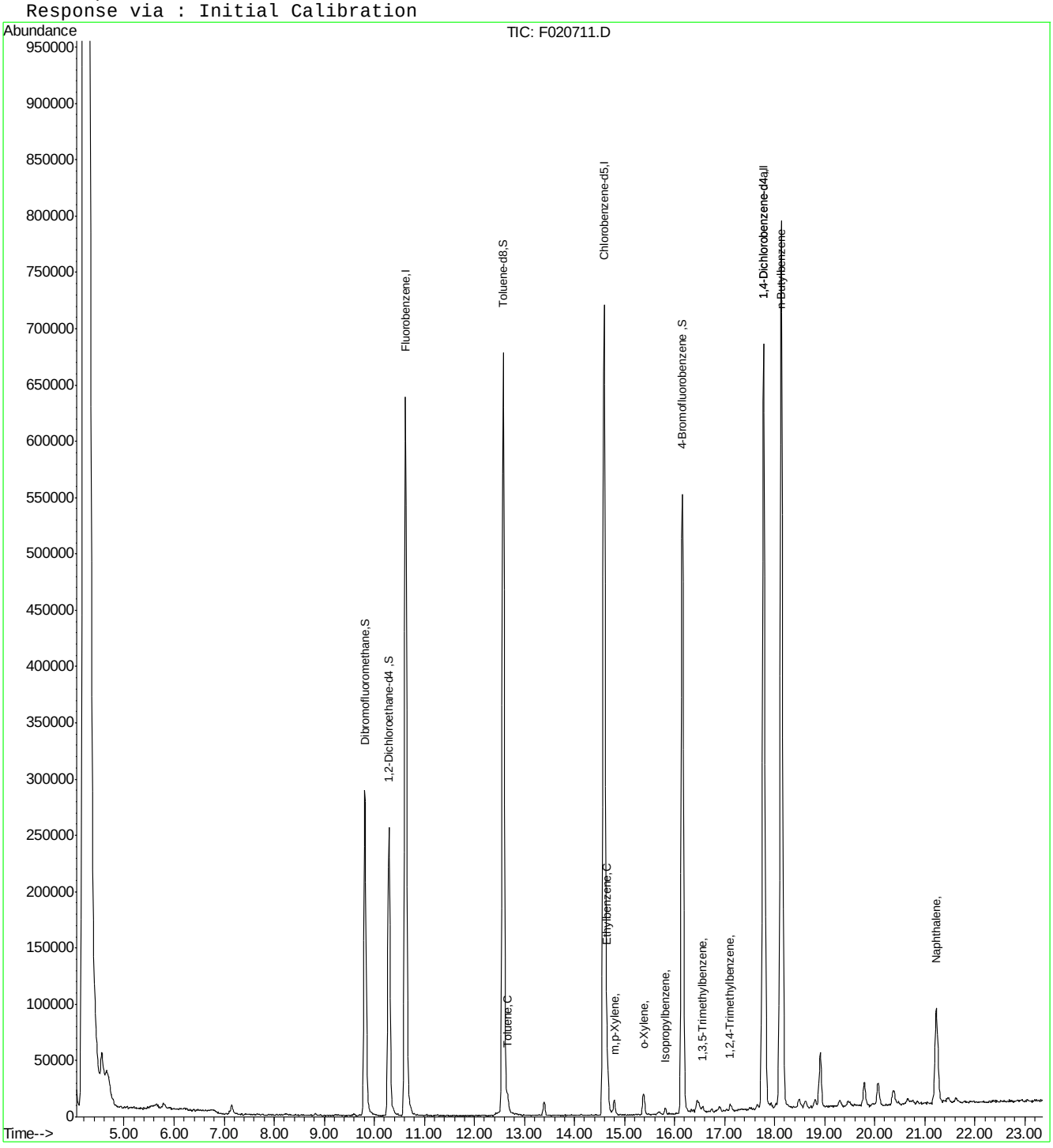
Target Compounds						Qvalue
63) Toluene	12.67	91	10253	0.53	ug/L	89
75) Ethylbenzene	14.65	91	69914	2.91	ug/L	97
76) m,p-Xylene	14.80	91	15819	0.86	ug/L	95
77) o-Xylene	15.39	91	22436	1.17	ug/L	93
81) Isopropylbenzene	15.81	105	6342	0.34	ug/L	84
91) 1,3,5-Trimethylbenzene	16.56	105	5365	0.32	ug/L	96
98) n-Butylbenzene	18.13	91	168841	11.62	ug/L #	40
100) 1,2,4-Trimethylbenzene	17.11	105	7483	0.42	ug/L	94
105) Naphthalene	21.22	128	159641	21.68	ug/L	100

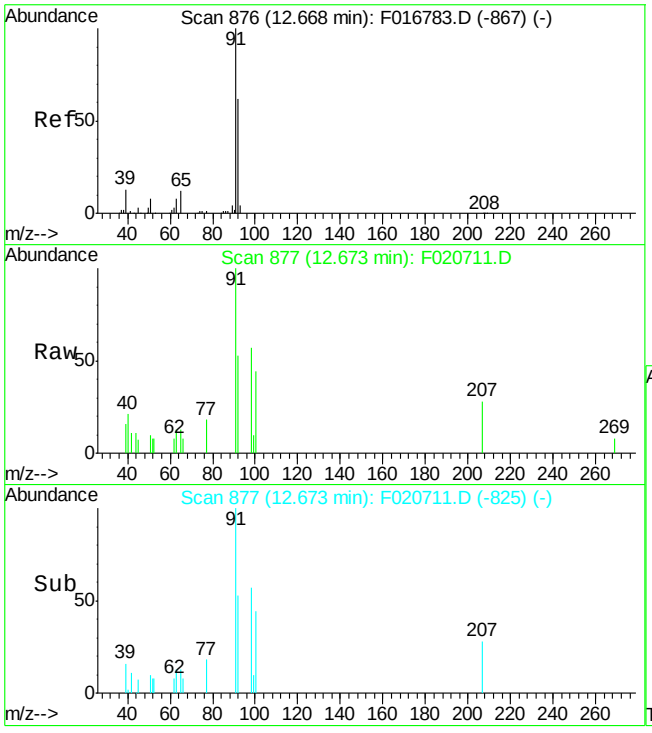
(#) = qualifier out of range (m) = manual integration (+) = signals summed
F020711.D VF3547AP9G.M Wed Oct 14 13:33:39 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3599\F020711.D Vial: 13
Acq On : 13 Oct 2009 3:11 pm Operator: AnjanaP
Sample : t39513-2 Inst : GC/MS F
Misc : ms7105,vf3599,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 13:16 2009 Quant Results File: VF3547AP9G.RES

Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration

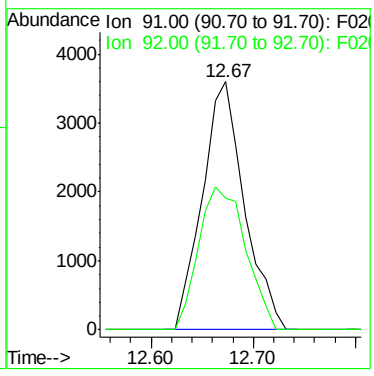


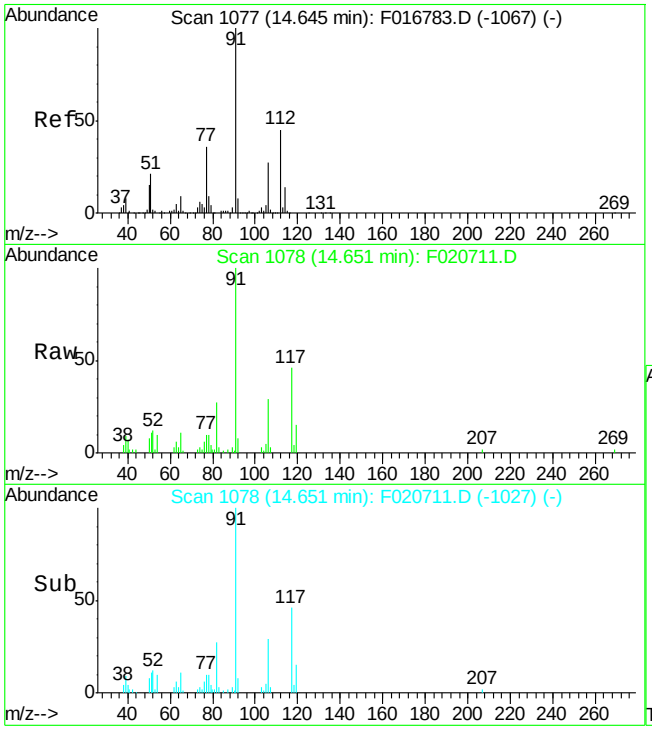


#63
Toluene
Concen: 0.53 ug/L
RT: 12.67 min Scan# 877
Delta R.T. 0.01 min
Lab File: F020711.D
Acq: 13 Oct 2009 3:11 pm

Tgt Ion: 91 Resp: 10253

Ion	Ratio	Lower	Upper
91	100		
92	53.1	31.7	91.7

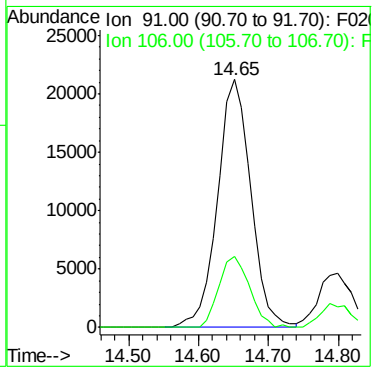


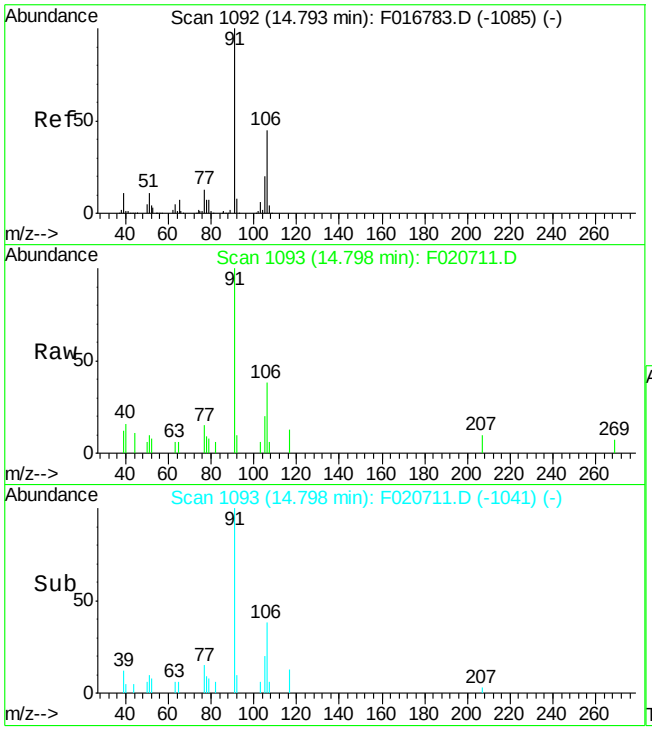


#75
Ethylbenzene
Concen: 2.91 ug/L
RT: 14.65 min Scan# 1078
Delta R.T. 0.00 min
Lab File: F020711.D
Acq: 13 Oct 2009 3:11 pm

Tgt Ion: 91 Resp: 69914

Ion	Ratio	Lower	Upper
91	100		
106	28.5	0.0	57.1

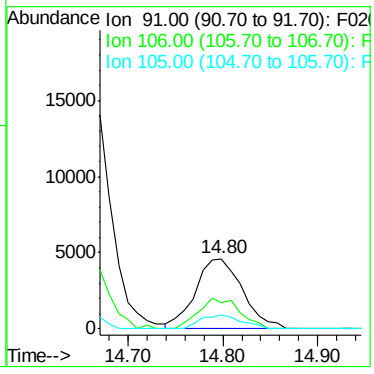


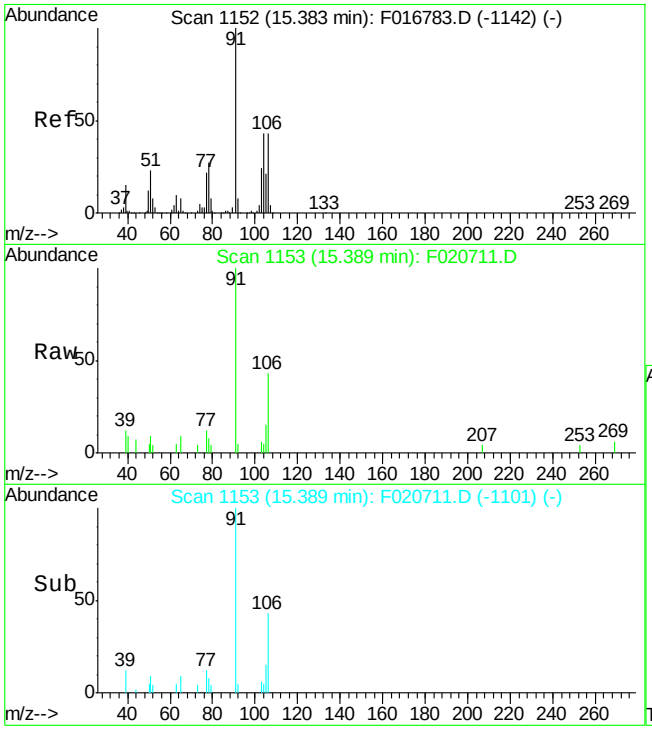


#76
m,p-Xylene
Concen: 0.86 ug/L
RT: 14.80 min Scan# 1093
Delta R.T. 0.01 min
Lab File: F020711.D
Acq: 13 Oct 2009 3:11 pm

Tgt Ion: 91 Resp: 15819

Ion	Ratio	Lower	Upper
91	100		
106	37.7	12.4	72.4
105	20.0	0.0	49.8

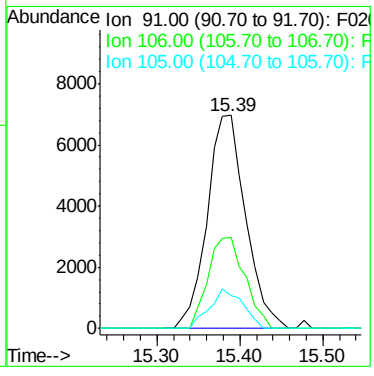


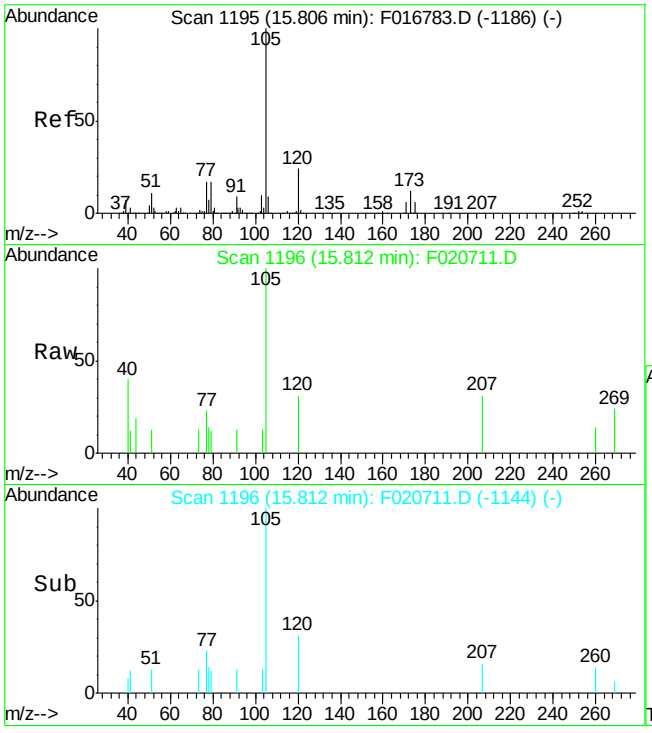


#77
o-Xylene
Concen: 1.17 ug/L
RT: 15.39 min Scan# 1153
Delta R.T. 0.01 min
Lab File: F020711.D
Acq: 13 Oct 2009 3:11 pm

Tgt Ion: 91 Resp: 22436

Ion	Ratio	Lower	Upper
91	100		
106	42.6	9.6	69.6
105	15.2	0.0	49.9

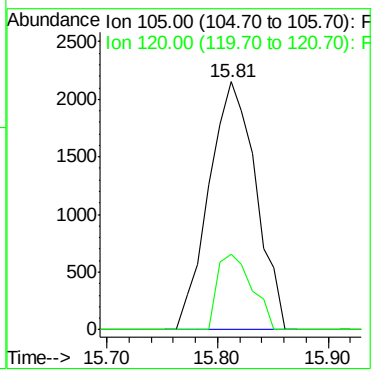


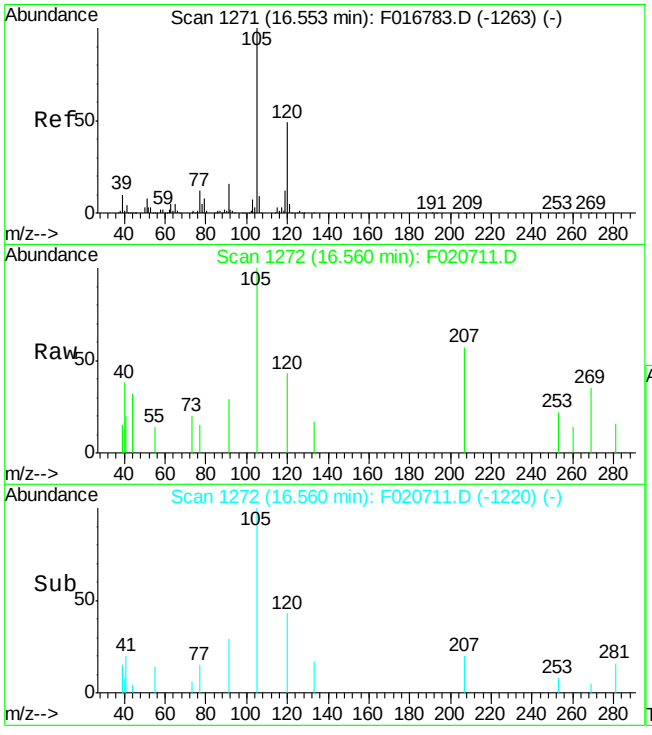


#81
Isopropylbenzene
Concen: 0.34 ug/L
RT: 15.81 min Scan# 1196
Delta R.T. 0.01 min
Lab File: F020711.D
Acq: 13 Oct 2009 3:11 pm

Tgt Ion:105 Resp: 6342

Ion	Ratio	Lower	Upper
105	100		
120	30.6	0.0	52.8

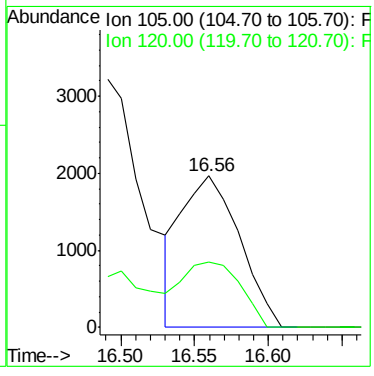


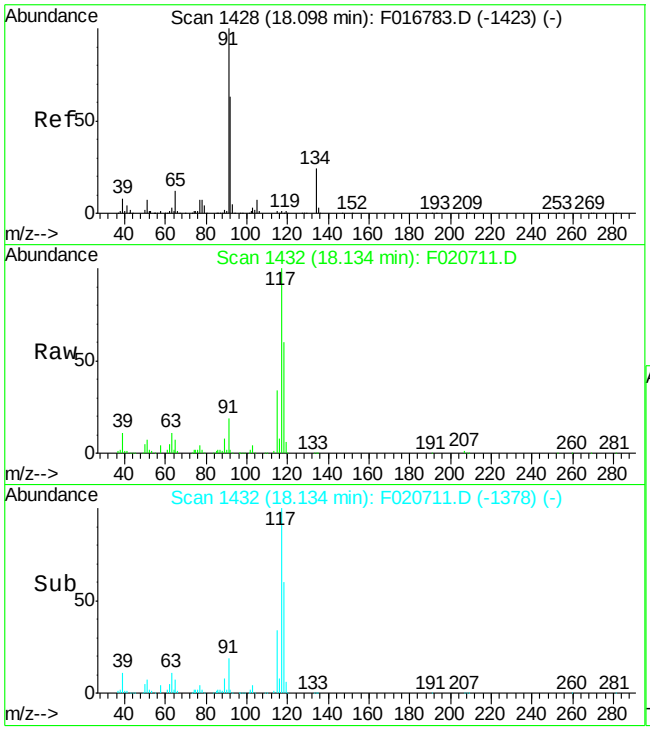


#91
1,3,5-Trimethylbenzene
Concen: 0.32 ug/L
RT: 16.56 min Scan# 1272
Delta R.T. 0.01 min
Lab File: F020711.D
Acq: 13 Oct 2009 3:11 pm

Tgt Ion:105 Resp: 5365

Ion	Ratio	Lower	Upper
105	100		
120	43.3	15.7	75.7

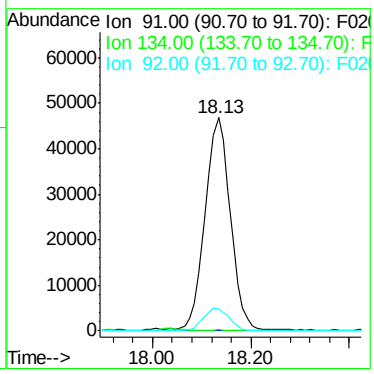


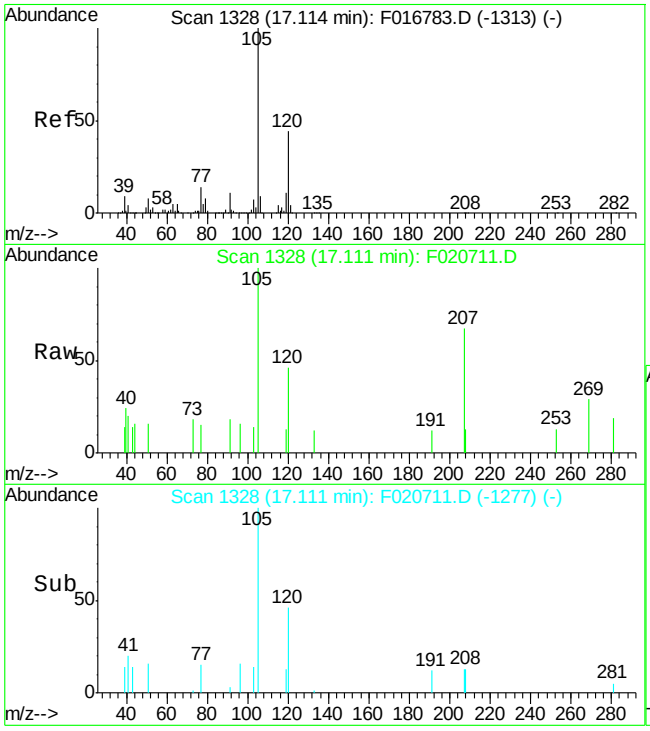


#98
n-Butylbenzene
Concen: 11.62 ug/L
RT: 18.13 min Scan# 1432
Delta R.T. 0.03 min
Lab File: F020711.D
Acq: 13 Oct 2009 3:11 pm

Tgt Ion: 91 Resp: 168841

Ion	Ratio	Lower	Upper
91	100		
134	0.5	0.0	53.7
92	10.3	28.8	88.8#

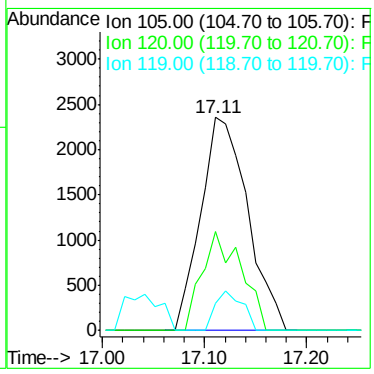


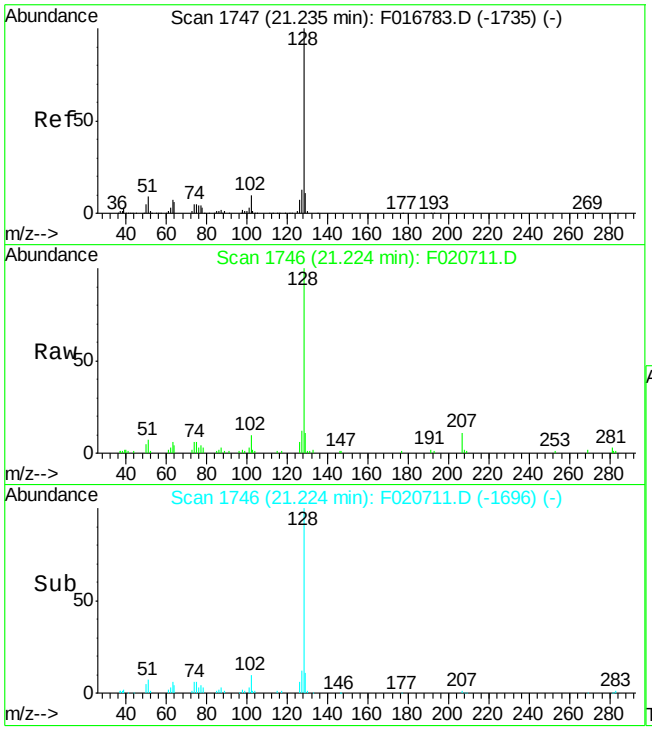


#100
1,2,4-Trimethylbenzene
Concen: 0.42 ug/L
RT: 17.11 min Scan# 1328
Delta R.T. 0.00 min
Lab File: F020711.D
Acq: 13 Oct 2009 3:11 pm

Tgt Ion:105 Resp: 7483

Ion	Ratio	Lower	Upper
105	100		
120	46.3	12.2	72.2
119	12.7	0.0	40.6

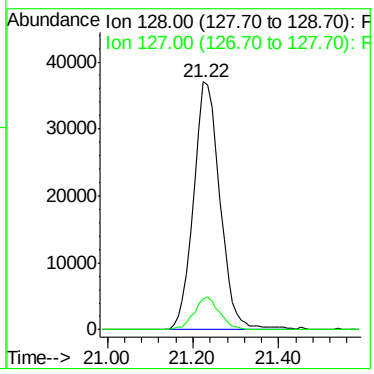




#105
Naphthalene
Concen: 21.68 ug/L
RT: 21.22 min Scan# 1746
Delta R.T. -0.01 min
Lab File: F020711.D
Acq: 13 Oct 2009 3:11 pm

Tgt Ion:128 Resp: 159641

Ion	Ratio	Lower	Upper
128	100		
127	12.5	0.0	42.5



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3599\F020712.D Vial: 14
Acq On : 13 Oct 2009 3:41 pm Operator: AnjanaP
Sample : t39513-3 Inst : GC/MS F
Misc : ms7105,vf3599,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 12:02:41 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.62	96	909863	50.00	ug/L	0.00
61) Chlorobenzene-d5	14.59	117	708466	50.00	ug/L	0.00
80) 1,4-Dichlorobenzene-d4	17.78	152	400880	50.00	ug/L	0.00
107) 1,4-Dichlorobenzene-d4a	17.78	152	400880	50.00	ug/kg	0.00

System Monitoring Compounds

39) Dibromofluoromethane	9.81	113	264104	48.96	ug/L	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 97.92%			
45) 1,2-Dichloroethane-d4	10.29	65	318156	46.29	ug/L	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 92.58%			
62) Toluene-d8	12.57	98	725886	43.59	ug/L	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 87.18%			
83) 4-Bromofluorobenzene	16.15	95	341498	45.09	ug/L	0.01
Spiked Amount 50.000	Range 80 - 133		Recovery = 90.18%			

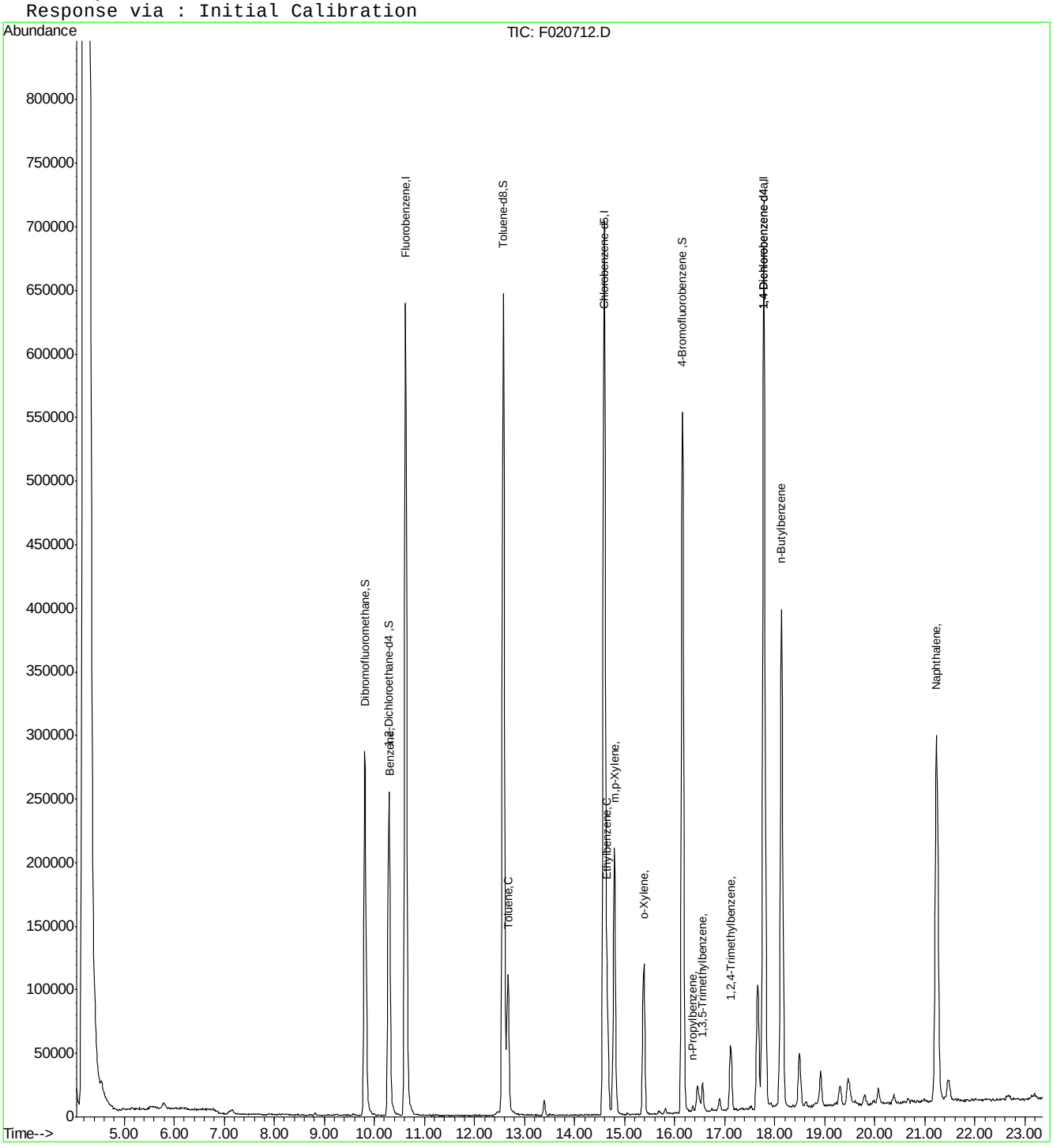
Target Compounds						Qvalue
46) Benzene	10.31	78	10935	0.73	ug/L #	1
63) Toluene	12.67	91	126179	6.64	ug/L	100
75) Ethylbenzene	14.65	91	114409	4.84	ug/L	100
76) m,p-Xylene	14.80	91	238229	13.08	ug/L	96
77) o-Xylene	15.39	91	134246	7.09	ug/L	96
88) n-Propylbenzene	16.36	91	8442	0.34	ug/L	94
91) 1,3,5-Trimethylbenzene	16.56	105	23751	1.44	ug/L	96
98) n-Butylbenzene	18.13	91	87325	6.11	ug/L #	40
100) 1,2,4-Trimethylbenzene	17.12	105	58548	3.33	ug/L	96
105) Naphthalene	21.23	128	568582	84.00	ug/L	100

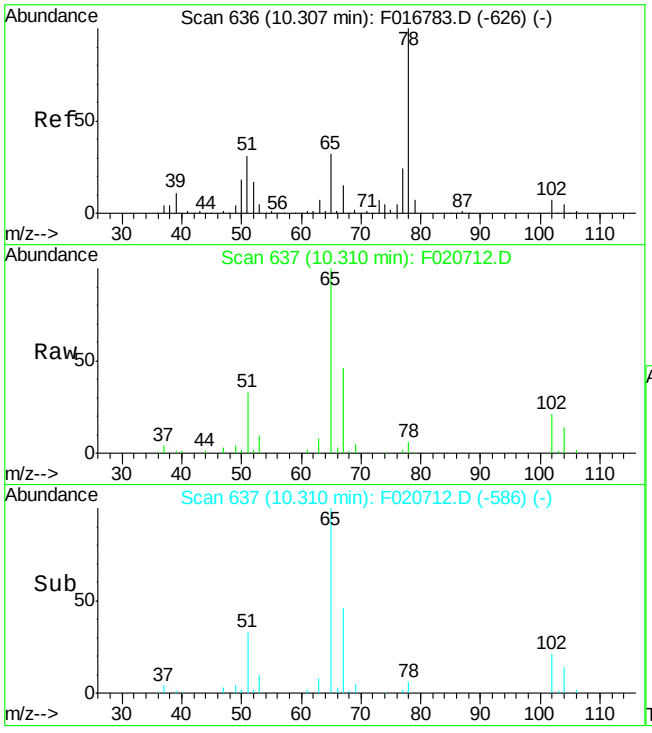
(#) = qualifier out of range (m) = manual integration (+) = signals summed
F020712.D VF3547AP9G.M Wed Oct 14 13:33:43 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3599\F020712.D Vial: 14
Acq On : 13 Oct 2009 3:41 pm Operator: AnjanaP
Sample : t39513-3 Inst : GC/MS F
Misc : ms7105,vf3599,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 13:17 2009 Quant Results File: VF3547AP9G.RES

Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration

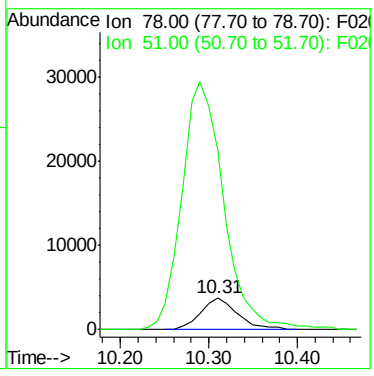


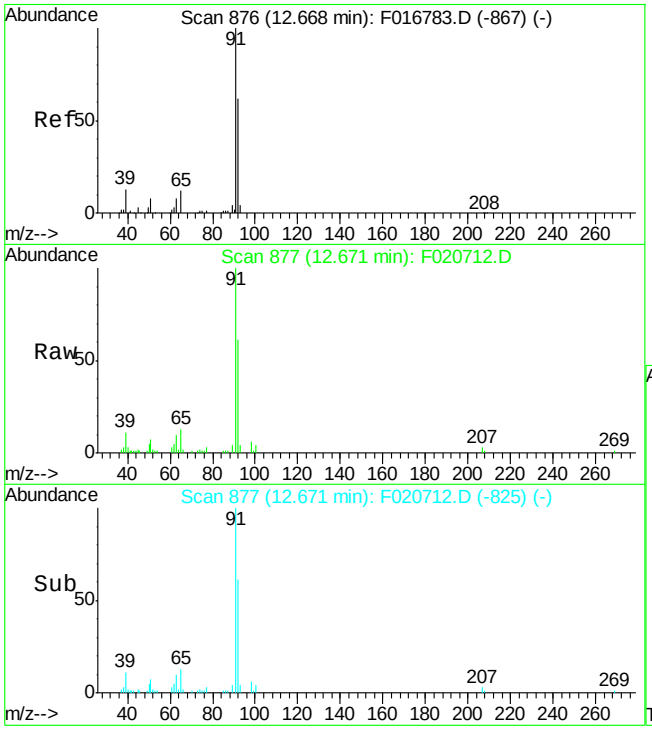


#46
Benzene
Concen: 0.73 ug/L
RT: 10.31 min Scan# 637
Delta R.T. 0.00 min
Lab File: F020712.D
Acq: 13 Oct 2009 3:41 pm

Tgt Ion: 78 Resp: 10935

Ion	Ratio	Lower	Upper
78	100		
51	557.1	4.0	64.0#

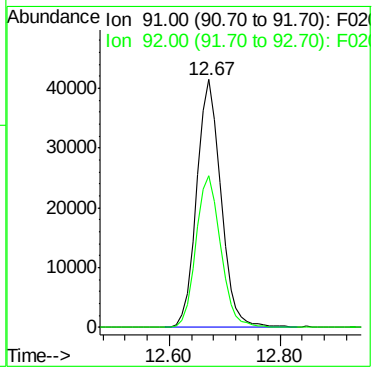


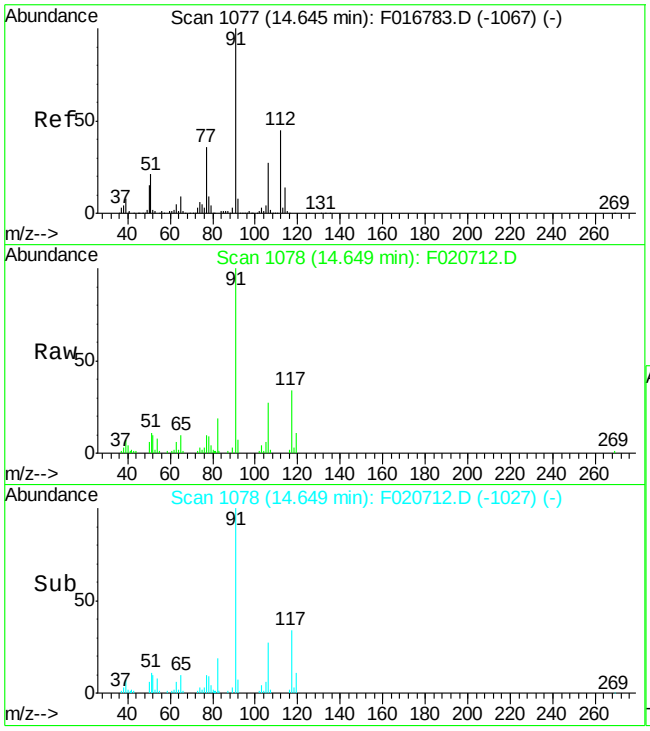


#63
Toluene
Concen: 6.64 ug/L
RT: 12.67 min Scan# 877
Delta R.T. 0.01 min
Lab File: F020712.D
Acq: 13 Oct 2009 3:41 pm

Tgt Ion: 91 Resp: 126179

Ion	Ratio	Lower	Upper
91	100		
92	61.4	31.7	91.7

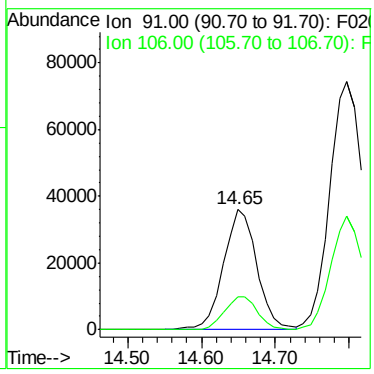


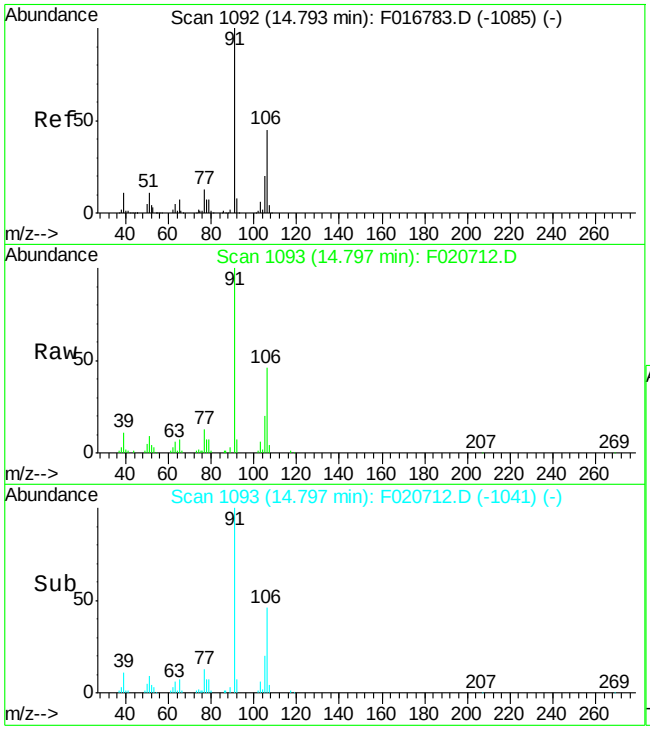


#75
Ethylbenzene
Concen: 4.84 ug/L
RT: 14.65 min Scan# 1078
Delta R.T. 0.00 min
Lab File: F020712.D
Acq: 13 Oct 2009 3:41 pm

Tgt Ion: 91 Resp: 114409

Ion	Ratio	Lower	Upper
91	100		
106	27.2	0.0	57.1

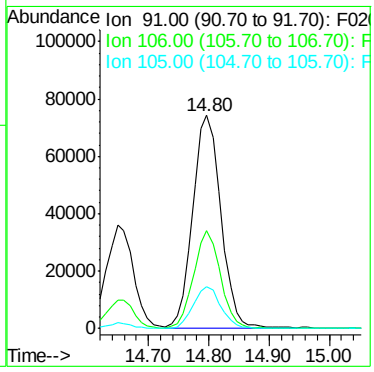


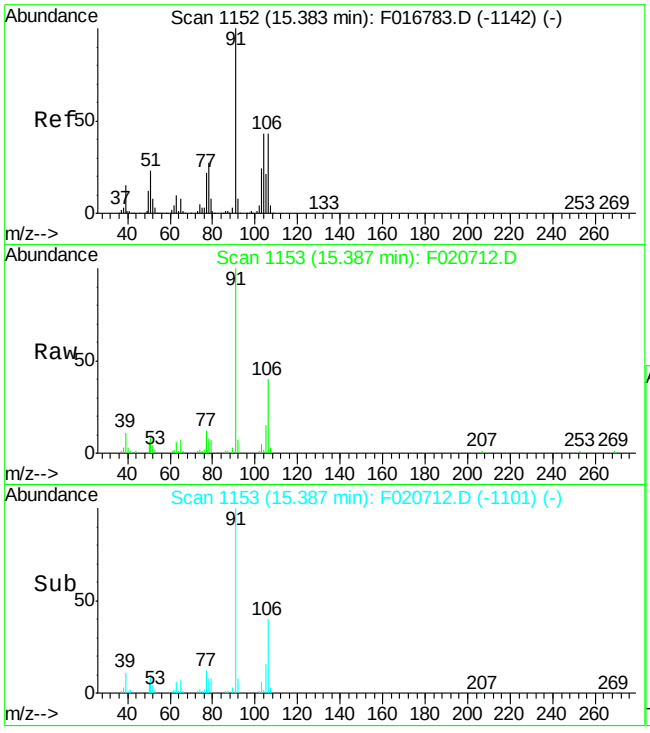


#76
m,p-Xylene
Concen: 13.08 ug/L
RT: 14.80 min Scan# 1093
Delta R.T. 0.01 min
Lab File: F020712.D
Acq: 13 Oct 2009 3:41 pm

Tgt Ion: 91 Resp: 238229

Ion	Ratio	Lower	Upper
91	100		
106	45.9	12.4	72.4
105	19.8	0.0	49.8

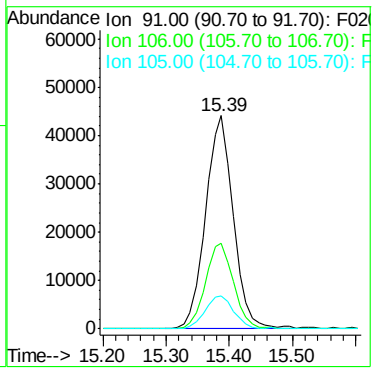


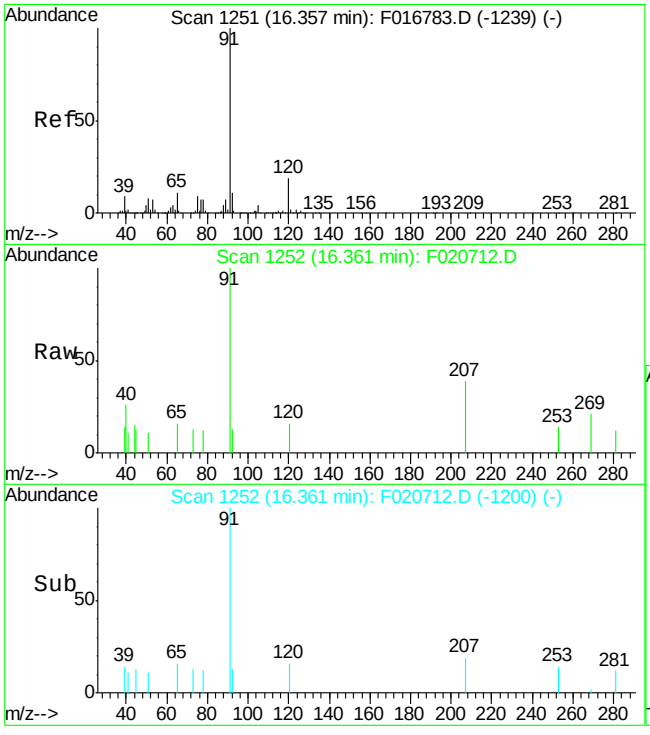


#77
o-Xylene
Concen: 7.09 ug/L
RT: 15.39 min Scan# 1153
Delta R.T. 0.01 min
Lab File: F020712.D
Acq: 13 Oct 2009 3:41 pm

Tgt Ion: 91 Resp: 134246

Ion	Ratio	Lower	Upper
91	100		
106	40.0	9.6	69.6
105	15.3	0.0	49.9

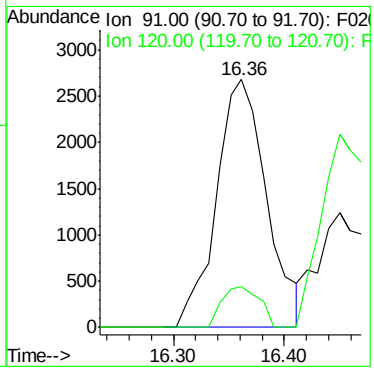


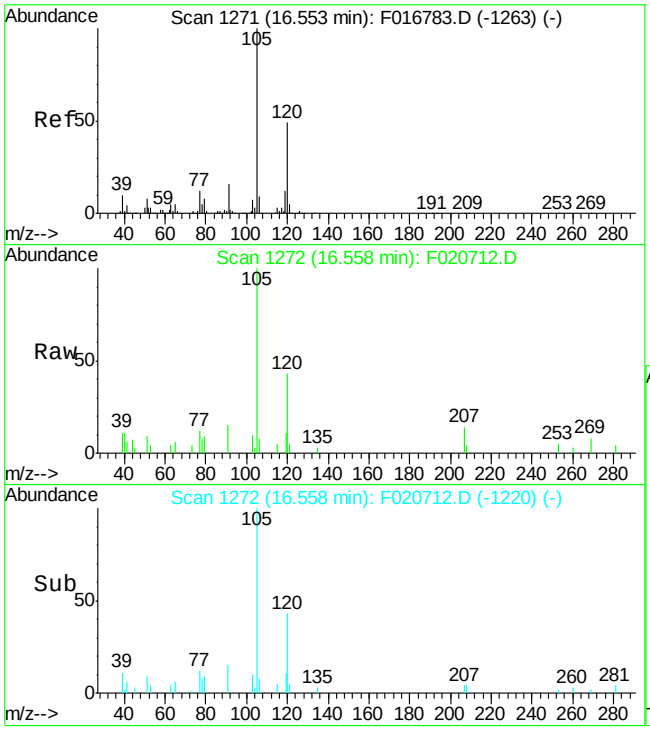


#88
n-Propylbenzene
Concen: 0.34 ug/L
RT: 16.36 min Scan# 1252
Delta R.T. 0.01 min
Lab File: F020712.D
Acq: 13 Oct 2009 3:41 pm

Tgt Ion: 91 Resp: 8442

Ion	Ratio	Lower	Upper
91	100		
120	16.4	0.0	49.3

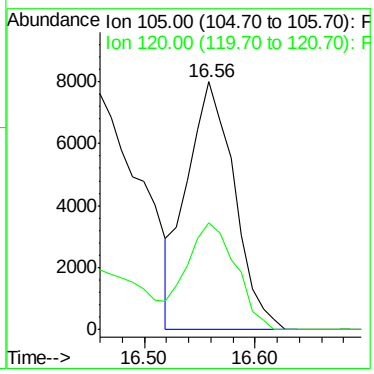


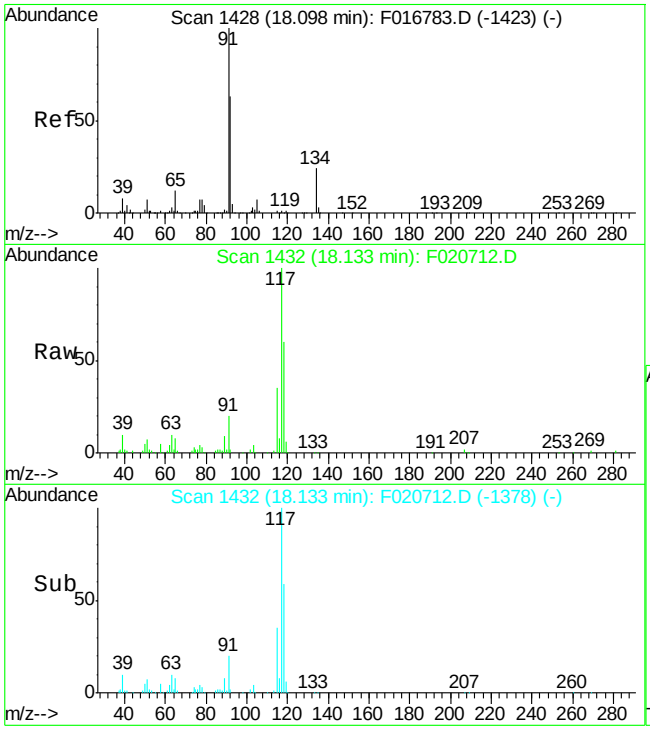


#91
1,3,5-Trimethylbenzene
Concen: 1.44 ug/L
RT: 16.56 min Scan# 1272
Delta R.T. 0.01 min
Lab File: F020712.D
Acq: 13 Oct 2009 3:41 pm

Tgt Ion:105 Resp: 23751

Ion	Ratio	Lower	Upper
105	100		
120	43.1	15.7	75.7

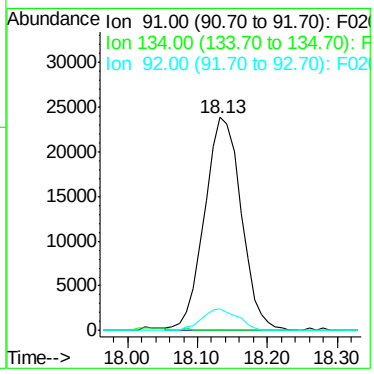


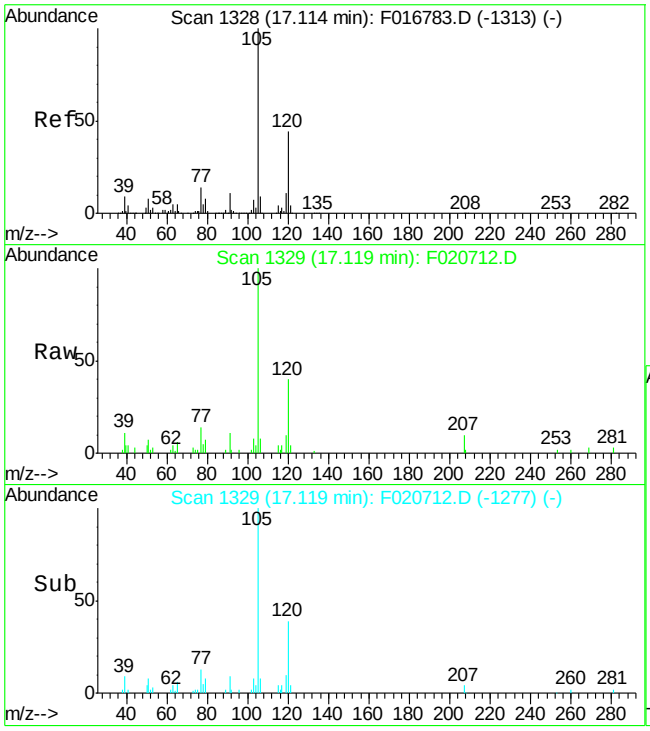


#98
n-Butylbenzene
Concen: 6.11 ug/L
RT: 18.13 min Scan# 1432
Delta R.T. 0.03 min
Lab File: F020712.D
Acq: 13 Oct 2009 3:41 pm

Tgt Ion: 91 Resp: 87325

Ion	Ratio	Lower	Upper
91	100		
134	0.0	0.0	53.7
92	10.3	28.8	88.8#

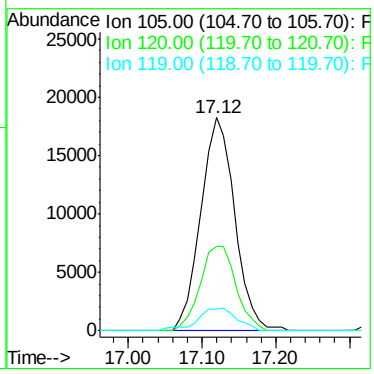


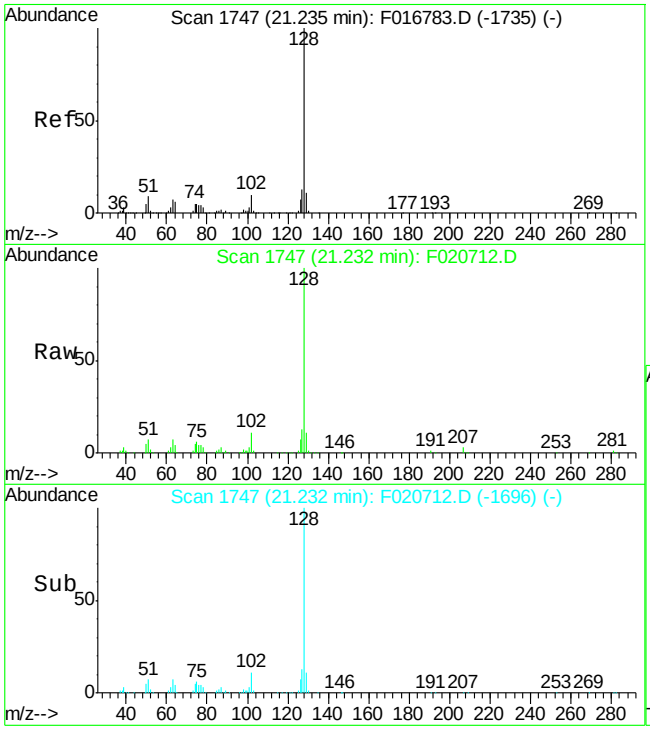


#100
1,2,4-Trimethylbenzene
Concen: 3.33 ug/L
RT: 17.12 min Scan# 1329
Delta R.T. 0.01 min
Lab File: F020712.D
Acq: 13 Oct 2009 3:41 pm

Tgt Ion:105 Resp: 58548

Ion	Ratio	Lower	Upper
105	100		
120	39.6	12.2	72.2
119	10.0	0.0	40.6

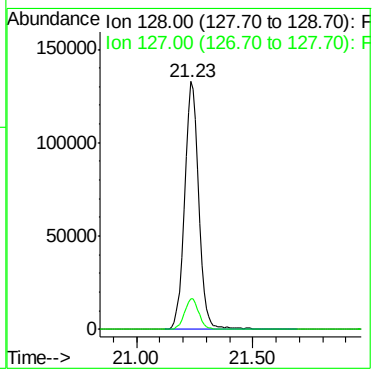




#105
Naphthalene
Concen: 84.00 ug/L
RT: 21.23 min Scan# 1747
Delta R.T. 0.00 min
Lab File: F020712.D
Acq: 13 Oct 2009 3:41 pm

Tgt Ion:128 Resp: 568582

Ion	Ratio	Lower	Upper
128	100		
127	12.6	0.0	42.5



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0175\
Data File : C0004004.D
Acq On : 14 Oct 2009 8:31 pm
Operator : AnjanaP
Sample : t39513-4,10x
Misc : ms7105,VC0175,5,,,5,10,WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 15 10:50:18 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:49:21 2009
Response via : Initial Calibration

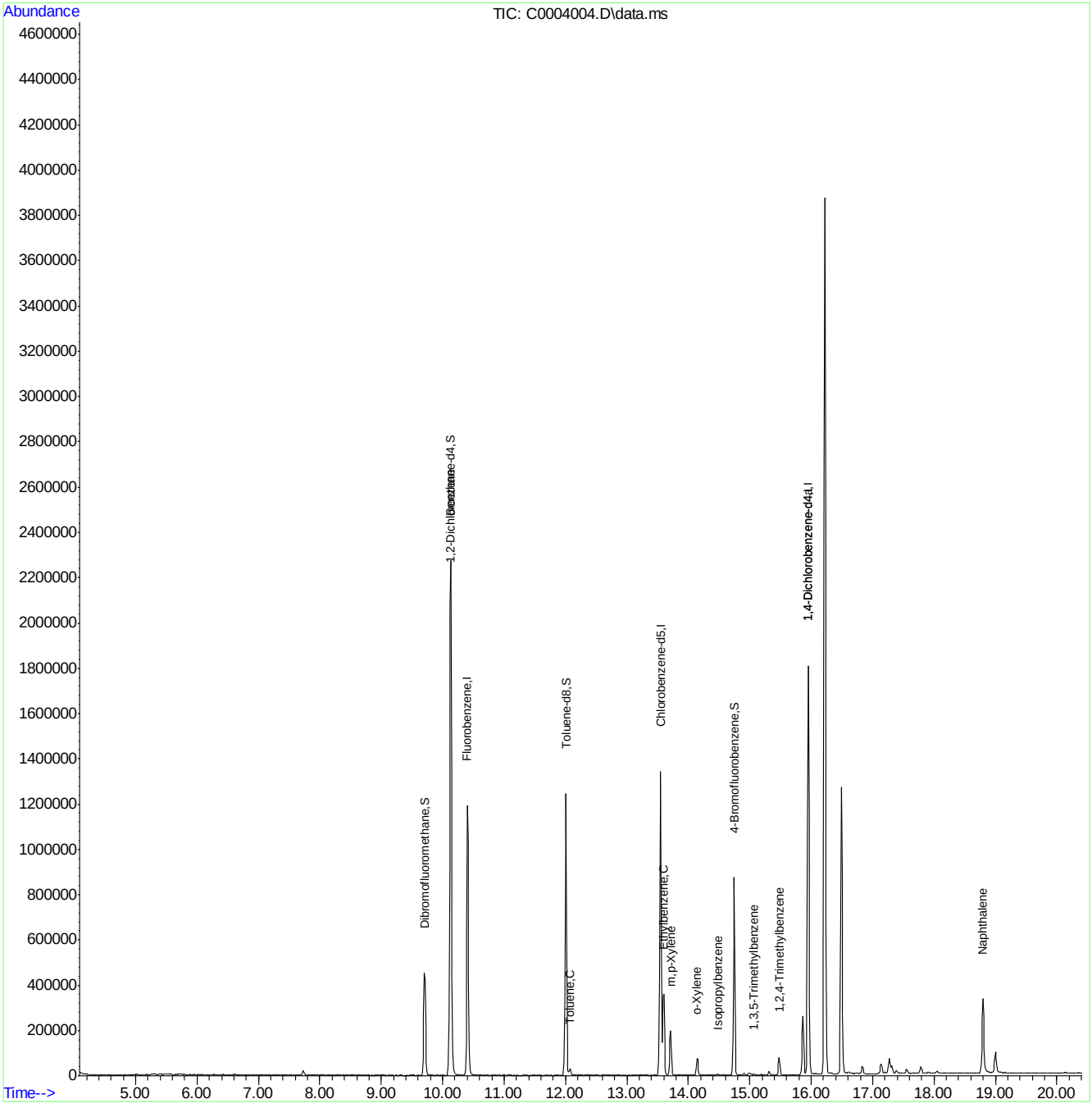
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.403	96	1132864	50.00	ug/kg	0.00
53) Chlorobenzene-d5	13.549	117	877090	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	15.953	152	538654	50.00	ug/kg	0.00
96) 1,4-Dichlorobenzene-d4a	15.953	152	538654	50.00	ug/kg	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	9.702	113	293536	50.90	ug/l	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 101.80%			
39) 1,2-Dichloroethane-d4	10.122	65	333358	53.41	ug/l	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 106.82%			
54) Toluene-d8	12.008	98	856051	47.30	ug/l	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 94.60%			
74) 4-Bromofluorobenzene	14.746	95	284566	34.06	ug/l	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 68.12%#			
Target Compounds						Qvalue
40) Benzene	10.133	78	1930012	85.99	ug/l	97
55) Toluene	12.073	91	24465	0.58	ug/l	94
66) Ethylbenzene	13.603	91	284409	12.91	ug/l	95
67) m,p-Xylene	13.711	91	125137	5.55	ug/l	100
68) o-Xylene	14.142	91	49702	3.33	ug/l	95
72) Isopropylbenzene	14.487	105	3712	1.34	ug/l	94
82) 1,3,5-Trimethylbenzene	15.069	105	2433	0.92	ug/l	85
90) 1,2,4-Trimethylbenzene	15.479	105	46287	2.56	ug/l	91
94) Naphthalene	18.798	128	359517	26.65	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

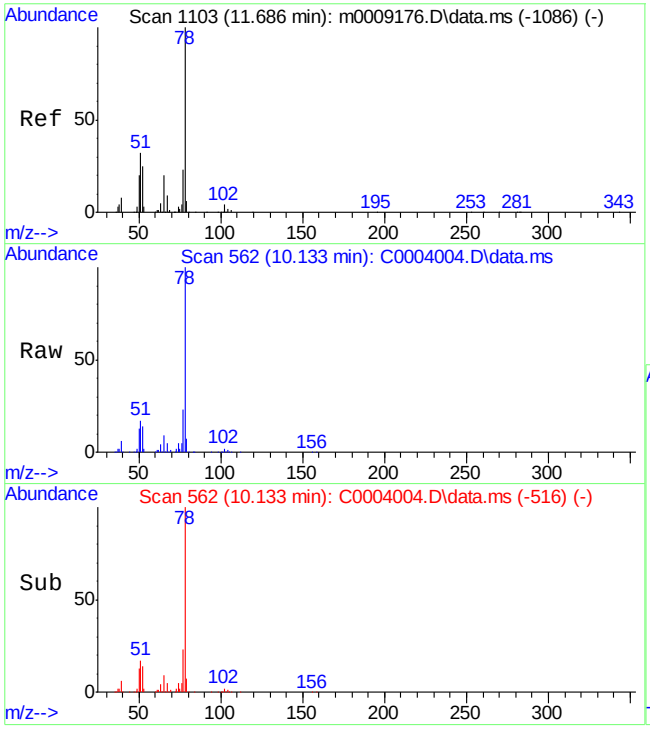
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0175\
Data File : C0004004.D
Acq On : 14 Oct 2009 8:31 pm
Operator : AnjanaP
Sample : t39513-4,10x
Misc : ms7105,VC0175,5,,,5,10,WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 15 10:50:18 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:49:21 2009
Response via : Initial Calibration



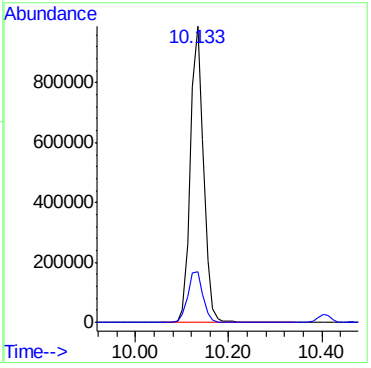
VC168.m Thu Oct 15 11:15:00 2009 Page: 2

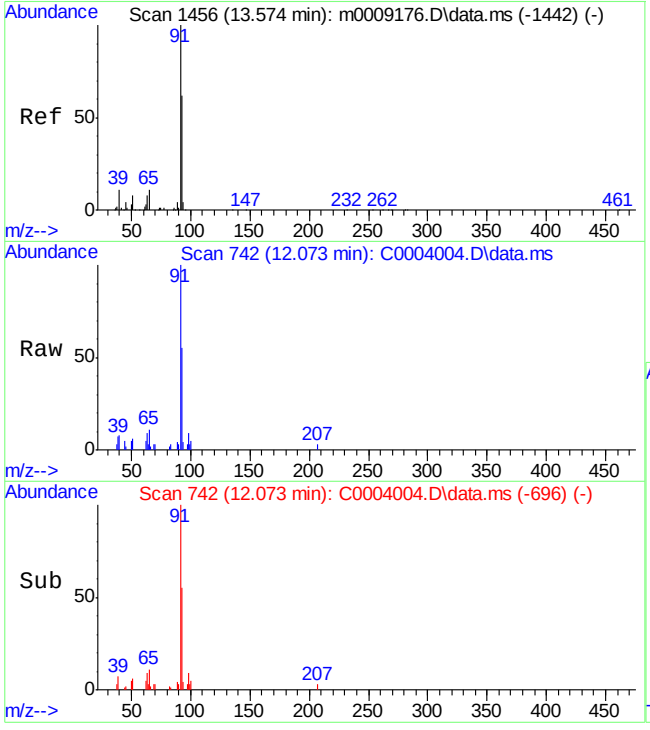


#40
Benzene
Concen: 85.99 ug/l
RT: 10.133 min Scan# 562
Delta R.T. 0.000 min
Lab File: C0004004.D
Acq: 14 Oct 2009 8:31 pm

Tgt Ion: 78 Resp: 1930012

Ion	Ratio	Lower	Upper
78	100		
51	17.2	0.0	48.7

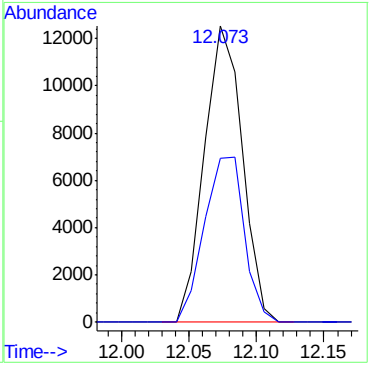


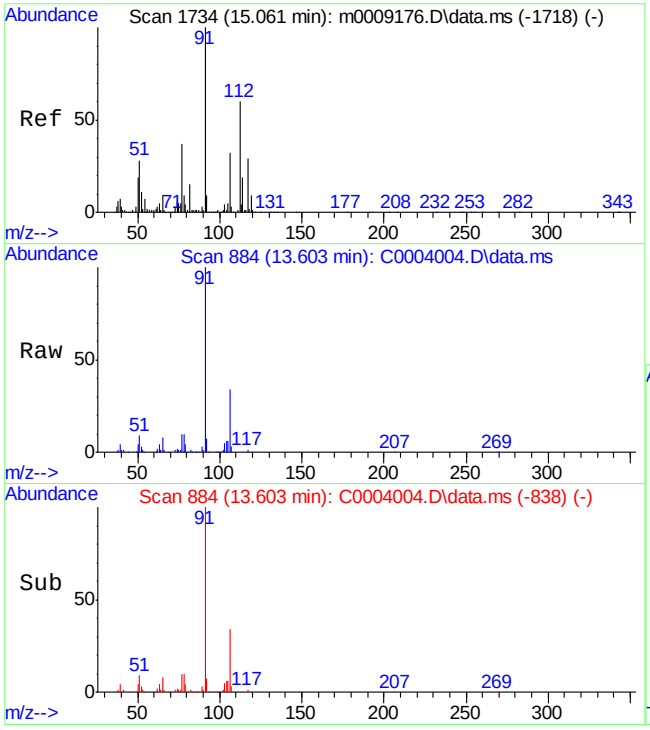


#55
Toluene
Concen: 0.58 ug/l
RT: 12.073 min Scan# 742
Delta R.T. -0.000 min
Lab File: C0004004.D
Acq: 14 Oct 2009 8:31 pm

Tgt Ion: 91 Resp: 24465

Ion	Ratio	Lower	Upper
91	100		
92	55.4	29.8	89.8

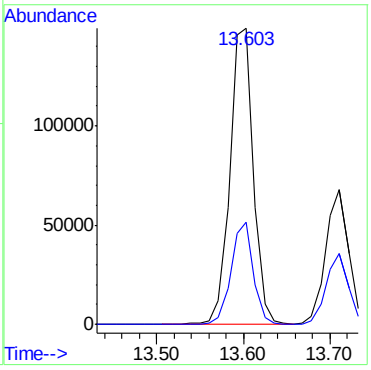


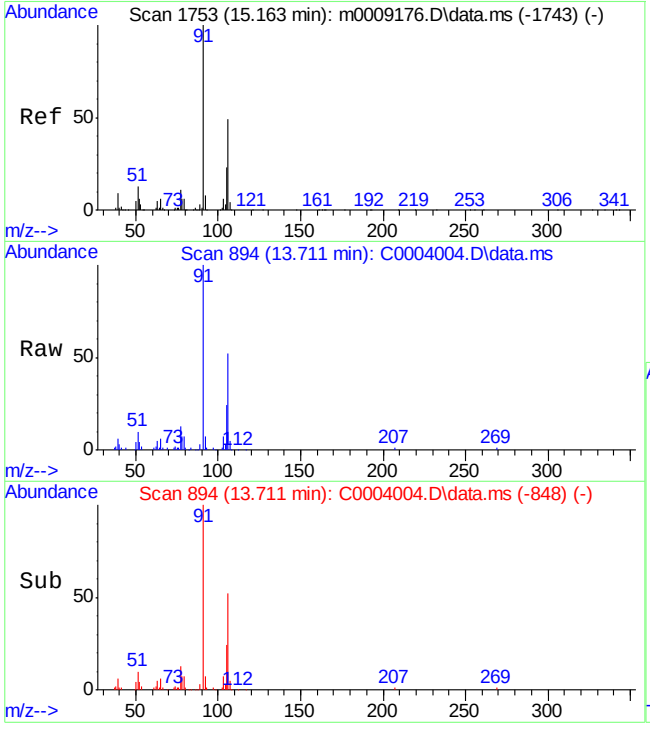


#66
Ethylbenzene
Concen: 12.91 ug/l
RT: 13.603 min Scan# 884
Delta R.T. 0.000 min
Lab File: C0004004.D
Acq: 14 Oct 2009 8:31 pm

Tgt Ion: 91 Resp: 284409

Ion	Ratio	Lower	Upper
91	100		
106	34.4	1.5	61.5

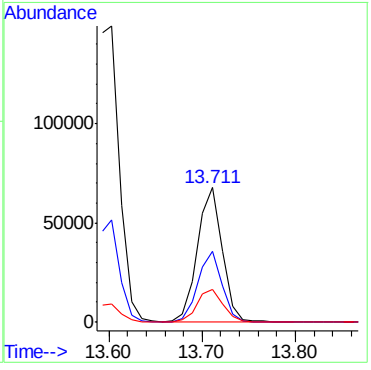


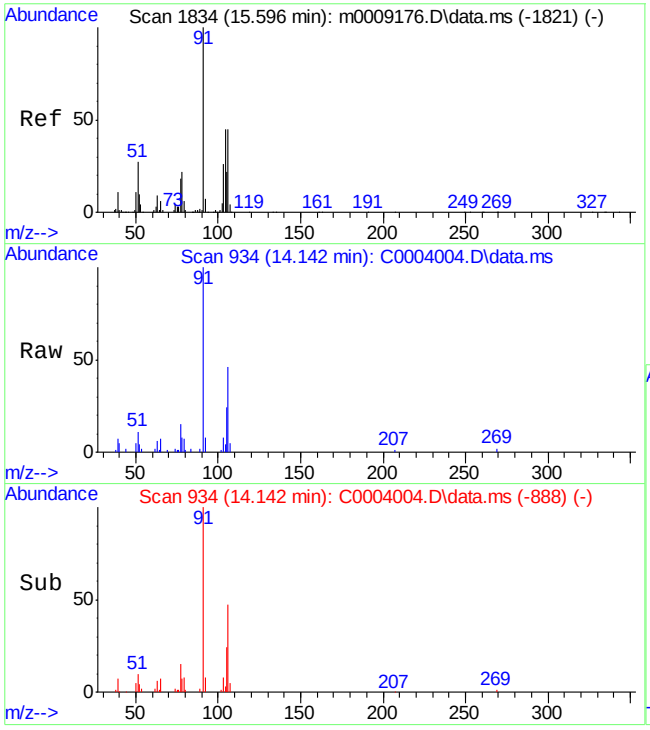


#67
m,p-Xylene
Concen: 5.55 ug/l
RT: 13.711 min Scan# 894
Delta R.T. -0.000 min
Lab File: C0004004.D
Acq: 14 Oct 2009 8:31 pm

Tgt Ion: 91 Resp: 125137

Ion	Ratio	Lower	Upper
91	100		
106	52.2	22.4	82.4
105	24.4	0.0	53.9

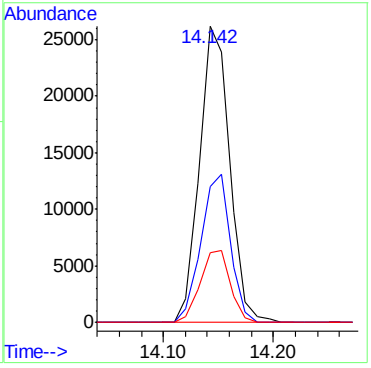


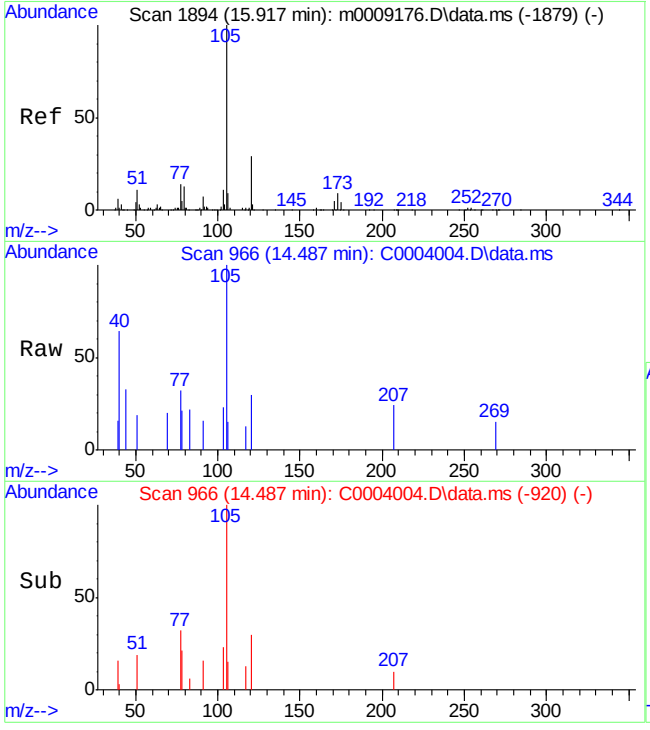


#68
o-Xylene
Concen: 3.33 ug/l
RT: 14.142 min Scan# 934
Delta R.T. -0.000 min
Lab File: C0004004.D
Acq: 14 Oct 2009 8:31 pm

Tgt Ion: 91 Resp: 49702

Ion	Ratio	Lower	Upper
91	100		
106	45.7	18.4	78.4
105	23.5	0.0	50.6

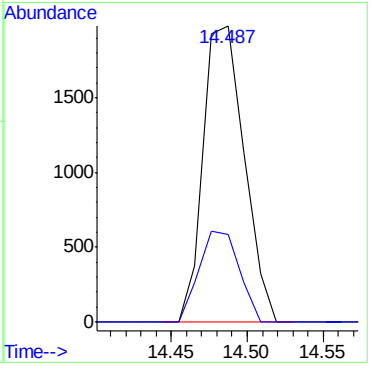


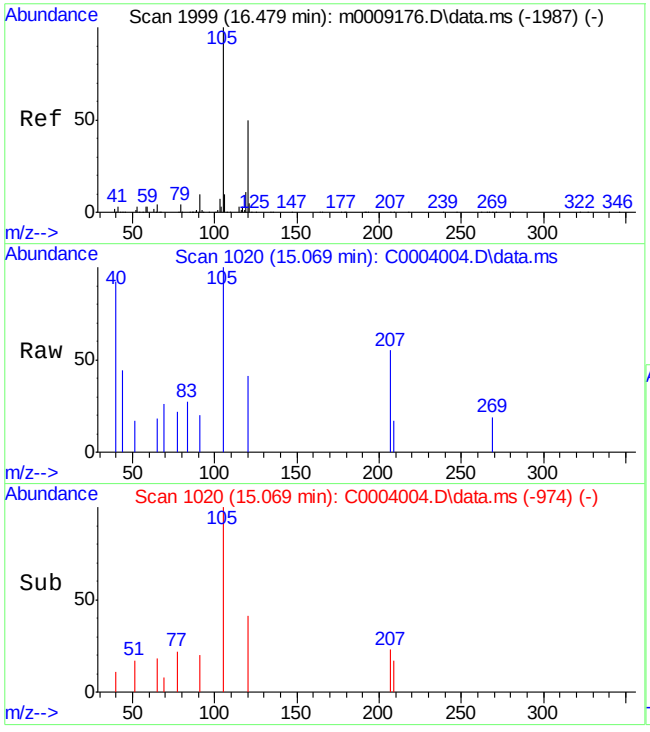


#72
Isopropylbenzene
Concen: 1.34 ug/l
RT: 14.487 min Scan# 966
Delta R.T. -0.000 min
Lab File: C0004004.D
Acq: 14 Oct 2009 8:31 pm

Tgt Ion:105 Resp: 3712

Ion	Ratio	Lower	Upper
105	100		
120	29.7	0.0	56.6

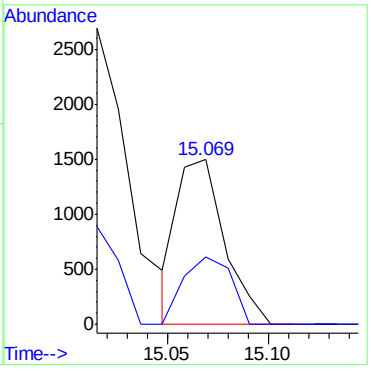


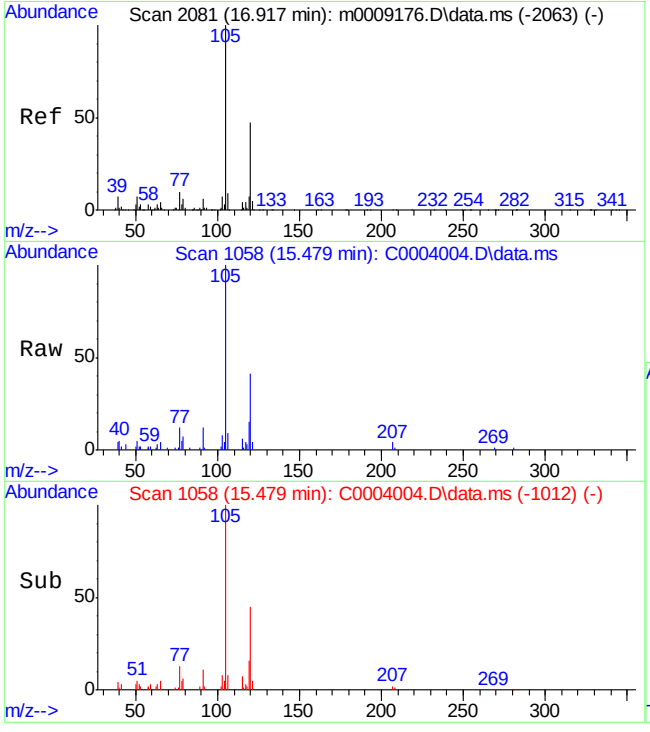


#82
1,3,5-Trimethylbenzene
Concen: 0.92 ug/l
RT: 15.069 min Scan# 1020
Delta R.T. -0.000 min
Lab File: C0004004.D
Acq: 14 Oct 2009 8:31 pm

Tgt Ion:105 Resp: 2433

Ion	Ratio	Lower	Upper
105	100		
120	40.9	21.1	81.1

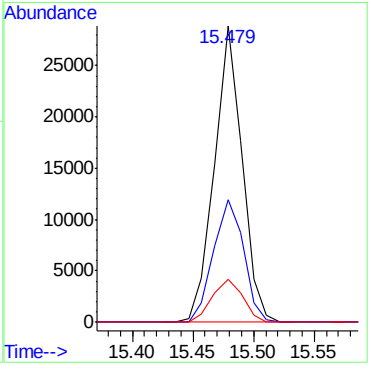


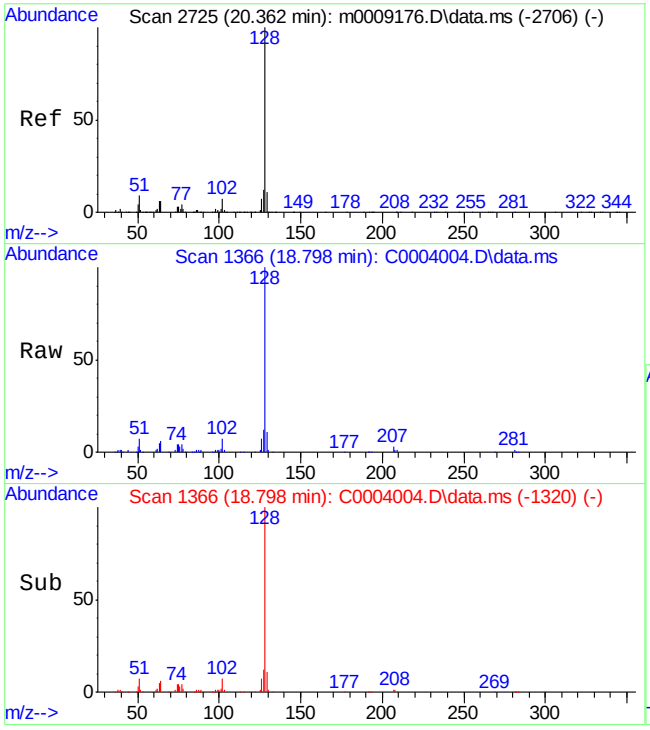


#90
1,2,4-Trimethylbenzene
Concen: 2.56 ug/l
RT: 15.479 min Scan# 1058
Delta R.T. -0.000 min
Lab File: C0004004.D
Acq: 14 Oct 2009 8:31 pm

Tgt Ion:105 Resp: 46287

Ion	Ratio	Lower	Upper
105	100		
120	41.2	18.5	78.5
119	14.6	0.0	42.9

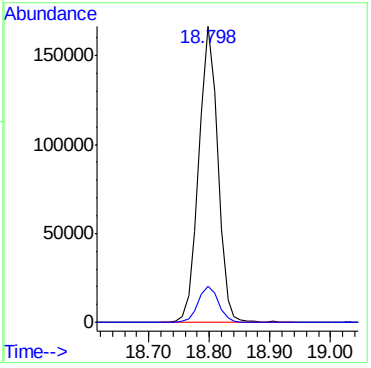




#94
Naphthalene
Concen: 26.65 ug/l
RT: 18.798 min Scan# 1366
Delta R.T. -0.000 min
Lab File: C0004004.D
Acq: 14 Oct 2009 8:31 pm

Tgt Ion:128 Resp: 359517

Ion	Ratio	Lower	Upper
128	100		
127	12.3	0.0	42.3



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3599\F020713.D Vial: 15
Acq On : 13 Oct 2009 4:11 pm Operator: AnjanaP
Sample : t39513-4 Inst : GC/MS F
Misc : ms7105,vf3599,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 12:02:42 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.63	96	887946	50.00	ug/L	0.01
61) Chlorobenzene-d5	14.60	117	725152	50.00	ug/L	0.01
80) 1,4-Dichlorobenzene-d4	17.79	152	399142	50.00	ug/L	0.01
107) 1,4-Dichlorobenzene-d4a	17.79	152	399142	50.00	ug/kg	0.01

System Monitoring Compounds

39) Dibromofluoromethane	9.82	113	272595	51.78	ug/L	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 103.56%			
45) 1,2-Dichloroethane-d4	10.30	65	326533	48.79	ug/L	0.01
Spiked Amount 50.000	Range 75 - 121		Recovery = 97.58%			
62) Toluene-d8	12.58	98	742665	43.57	ug/L	0.01
Spiked Amount 50.000	Range 87 - 119		Recovery = 87.14%			
83) 4-Bromofluorobenzene	16.17	95	348104	46.15	ug/L	0.02
Spiked Amount 50.000	Range 80 - 133		Recovery = 92.30%			

Target Compounds

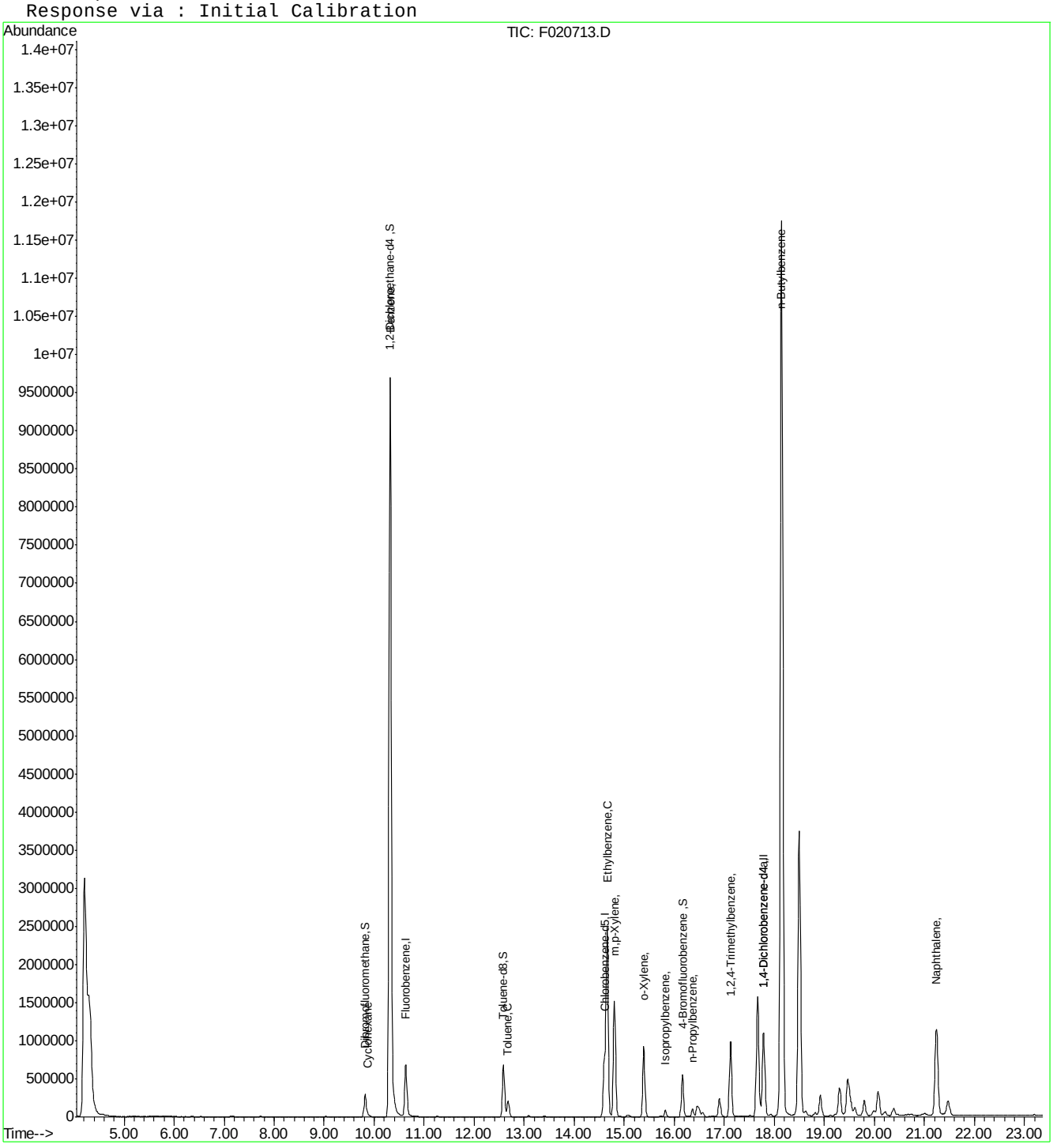
						Qvalue
40) Cyclohexane	9.88	56	12444	2.47	ug/L	84
46) Benzene	10.32	78	13162484	903.42	ug/L	78
63) Toluene	12.68	91	242086	12.45	ug/L	100
75) Ethylbenzene	14.66	91	3303401	136.40	ug/L	98
76) m,p-Xylene	14.81	91	1733100	92.99	ug/L	97
77) o-Xylene	15.39	91	1029344	53.10	ug/L	97
81) Isopropylbenzene	15.82	105	100076	5.54	ug/L	97
88) n-Propylbenzene	16.36	91	146363	5.91	ug/L	98
98) n-Butylbenzene	18.14	91	2534810	178.15	ug/L #	40
100) 1,2,4-Trimethylbenzene	17.13	105	1100832	62.83	ug/L	100
105) Naphthalene	21.24	128	2254108	340.67	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

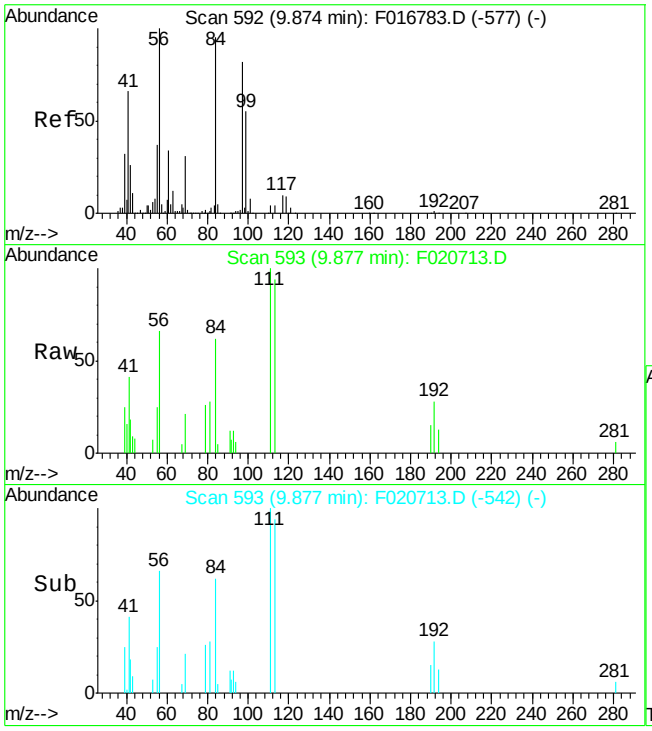
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3599\F020713.D Vial: 15
Acq On : 13 Oct 2009 4:11 pm Operator: AnjanaP
Sample : t39513-4 Inst : GC/MS F
Misc : ms7105,vf3599,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 13:18 2009 Quant Results File: VF3547AP9G.RES

Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration



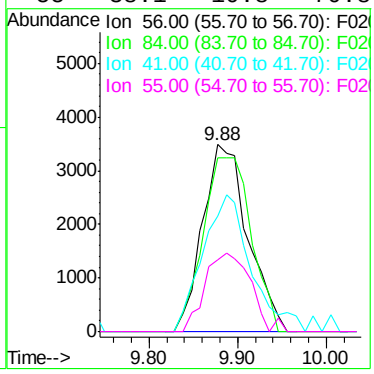
F020713.D VF3547AP9G.M Wed Oct 14 13:33:52 2009 Page 2

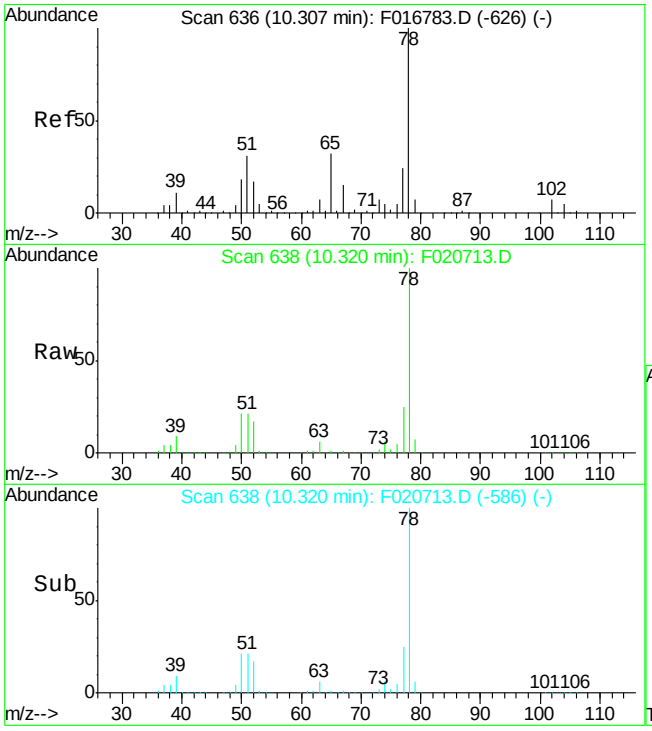


#40
Cyclohexane
Concen: 2.47 ug/L
RT: 9.88 min Scan# 593
Delta R.T. 0.00 min
Lab File: F020713.D
Acq: 13 Oct 2009 4:11 pm

Tgt Ion: 56 Resp: 12444

Ion	Ratio	Lower	Upper
56	100		
84	92.8	84.2	144.2
41	61.8	46.5	106.5
55	38.1	10.8	70.8

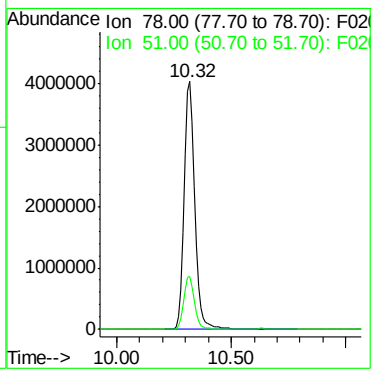


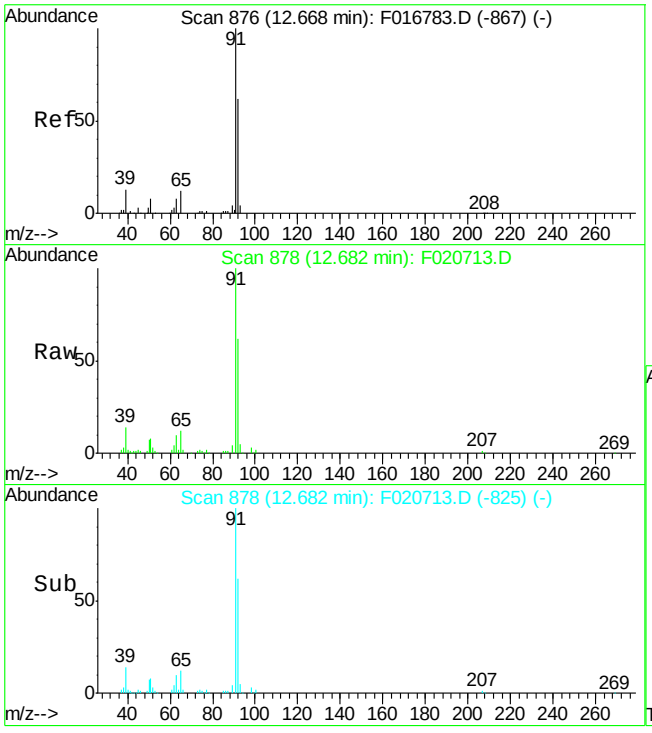


#46
Benzene
Concen: 903.42 ug/L
RT: 10.32 min Scan# 638
Delta R.T. 0.01 min
Lab File: F020713.D
Acq: 13 Oct 2009 4:11 pm

Tgt Ion: 78 Resp:13162484

Ion	Ratio	Lower	Upper
78	100		
51	21.3	4.0	64.0

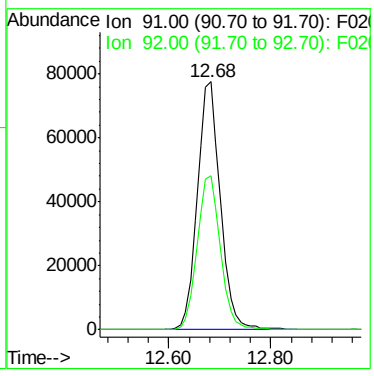


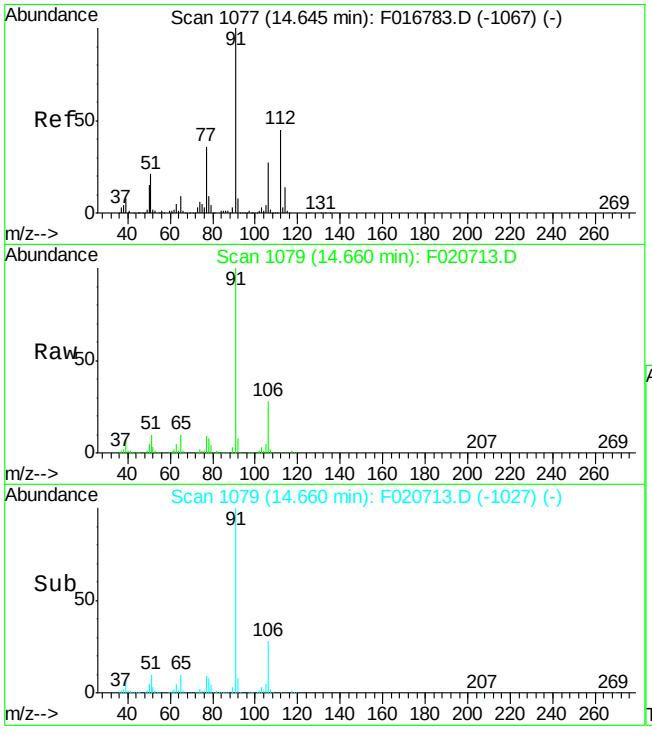


#63
Toluene
Concen: 12.45 ug/L
RT: 12.68 min Scan# 878
Delta R.T. 0.02 min
Lab File: F020713.D
Acq: 13 Oct 2009 4:11 pm

Tgt Ion: 91 Resp: 242086

Ion	Ratio	Lower	Upper
91	100		
92	62.0	31.7	91.7

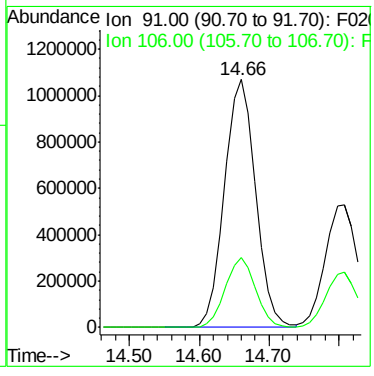


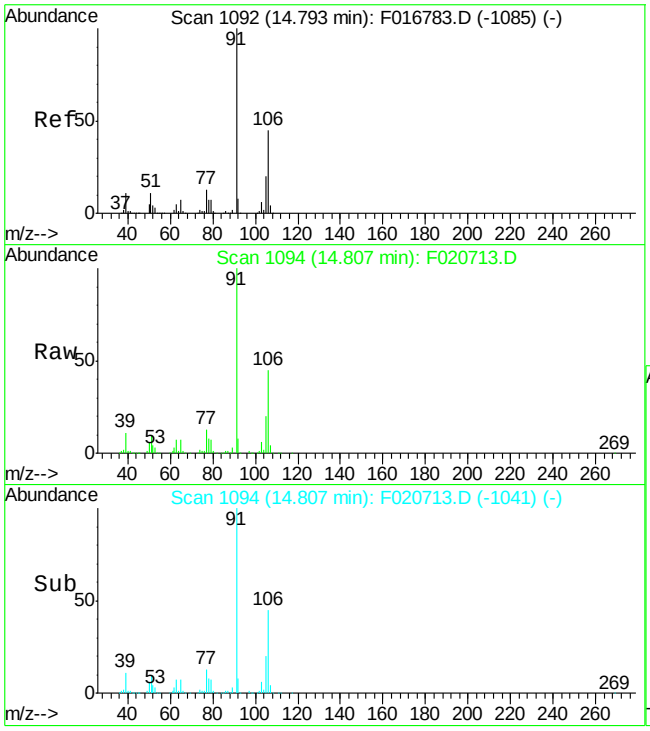


#75
Ethylbenzene
Concen: 136.40 ug/L
RT: 14.66 min Scan# 1079
Delta R.T. 0.01 min
Lab File: F020713.D
Acq: 13 Oct 2009 4:11 pm

Tgt Ion: 91 Resp: 3303401

Ion	Ratio	Lower	Upper
91	100		
106	28.1	0.0	57.1

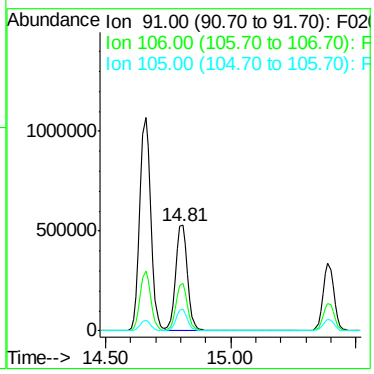


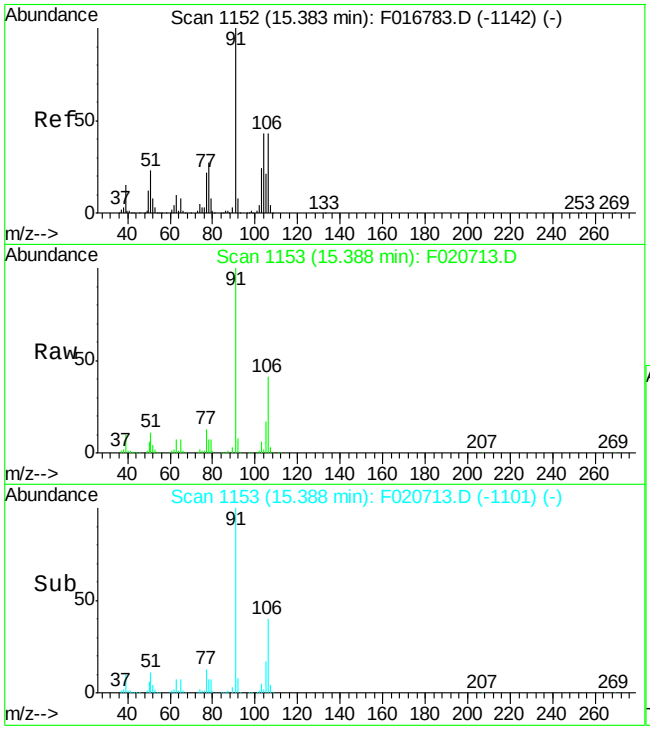


#76
m,p-Xylene
Concen: 92.99 ug/L
RT: 14.81 min Scan# 1094
Delta R.T. 0.02 min
Lab File: F020713.D
Acq: 13 Oct 2009 4:11 pm

Tgt Ion: 91 Resp: 1733100

Ion	Ratio	Lower	Upper
91	100		
106	44.8	12.4	72.4
105	20.2	0.0	49.8

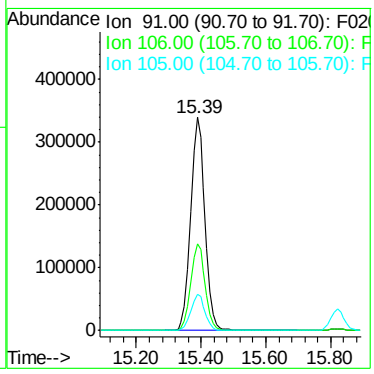


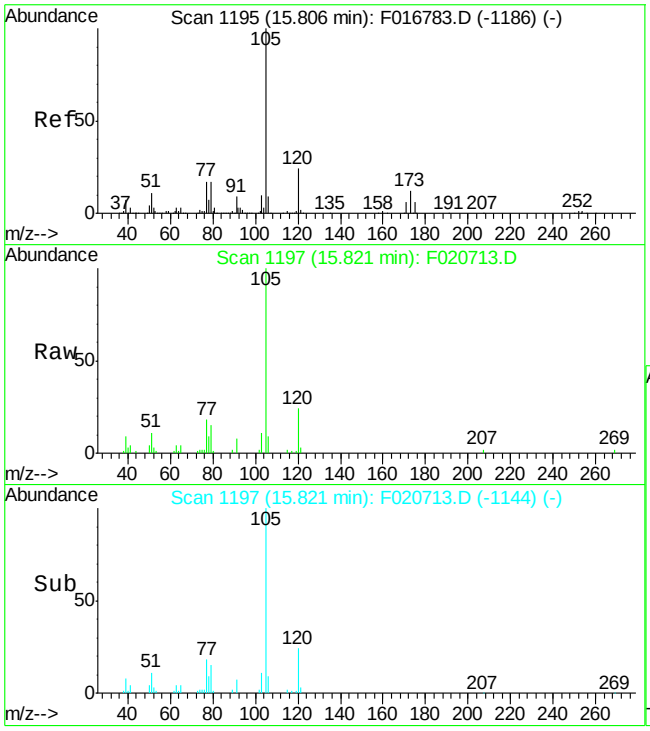


#77
o-Xylene
Concen: 53.10 ug/L
RT: 15.39 min Scan# 1153
Delta R.T. 0.01 min
Lab File: F020713.D
Acq: 13 Oct 2009 4:11 pm

Tgt Ion: 91 Resp: 1029344

Ion	Ratio	Lower	Upper
91	100		
106	40.6	9.6	69.6
105	16.9	0.0	49.9

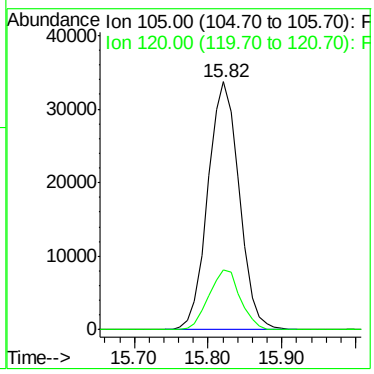


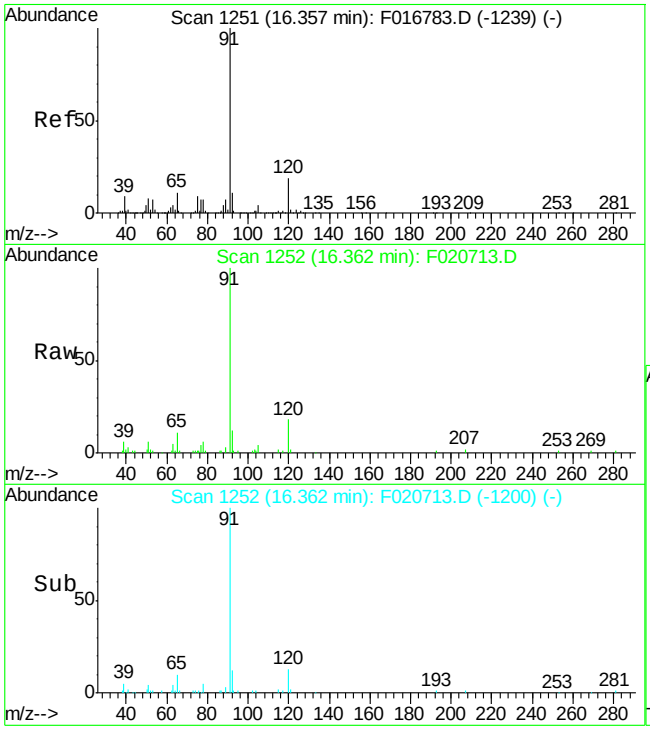


#81
Isopropylbenzene
Concen: 5.54 ug/L
RT: 15.82 min Scan# 1197
Delta R.T. 0.02 min
Lab File: F020713.D
Acq: 13 Oct 2009 4:11 pm

Tgt Ion:105 Resp: 100076

Ion	Ratio	Lower	Upper
105	100		
120	24.1	0.0	52.8

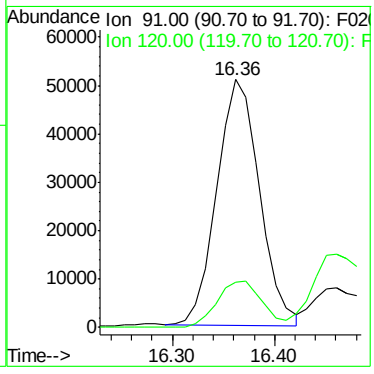


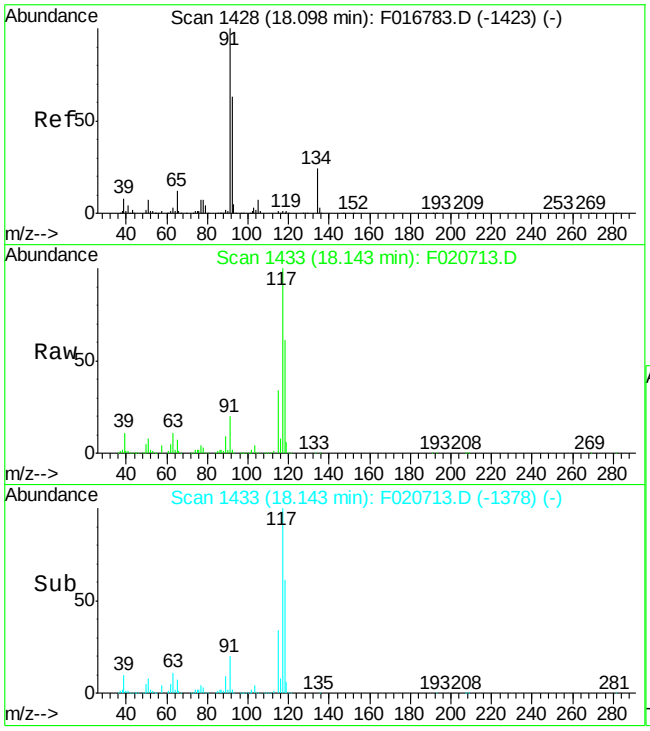


#88
n-Propylbenzene
Concen: 5.91 ug/L
RT: 16.36 min Scan# 1252
Delta R.T. 0.01 min
Lab File: F020713.D
Acq: 13 Oct 2009 4:11 pm

Tgt Ion: 91 Resp: 146363

Ion	Ratio	Lower	Upper
91	100		
120	18.4	0.0	49.3

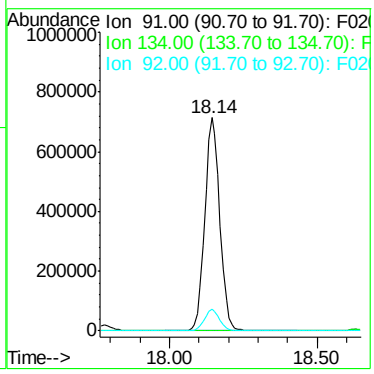


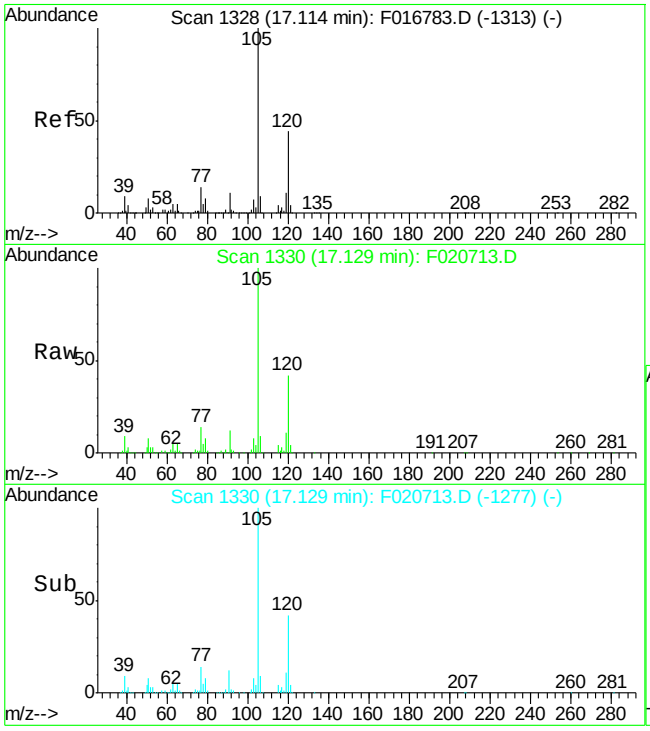


#98
n-Butylbenzene
Concen: 178.15 ug/L
RT: 18.14 min Scan# 1433
Delta R.T. 0.04 min
Lab File: F020713.D
Acq: 13 Oct 2009 4:11 pm

Tgt Ion: 91 Resp: 2534810

Ion	Ratio	Lower	Upper
91	100		
134	0.0	0.0	53.7
92	10.2	28.8	88.8#

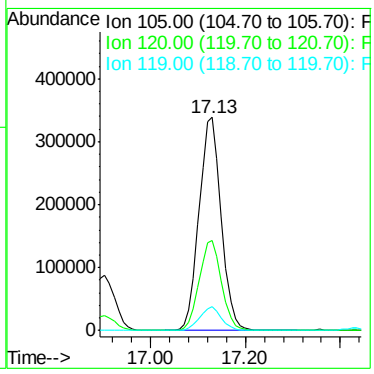


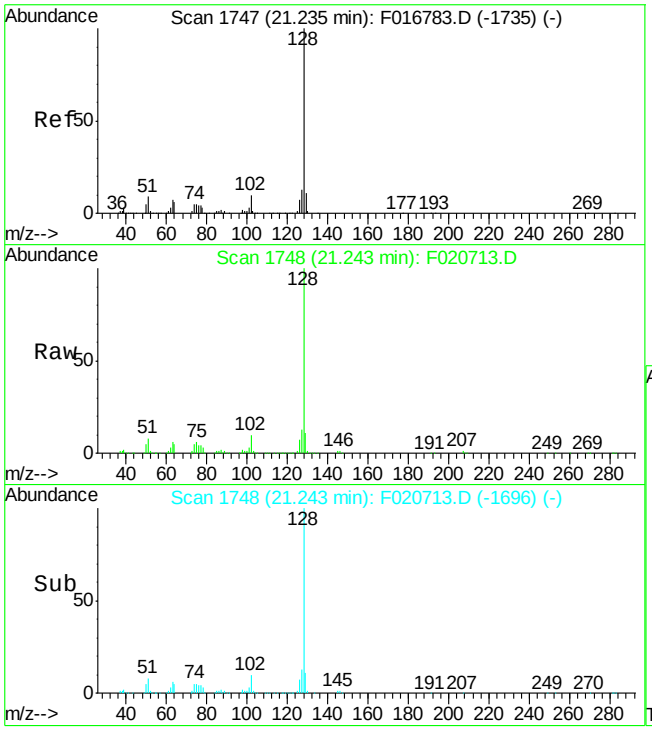


#100
1,2,4-Trimethylbenzene
Concen: 62.83 ug/L
RT: 17.13 min Scan# 1330
Delta R.T. 0.02 min
Lab File: F020713.D
Acq: 13 Oct 2009 4:11 pm

Tgt Ion:105 Resp: 1100832

Ion	Ratio	Lower	Upper
105	100		
120	42.2	12.2	72.2
119	11.2	0.0	40.6

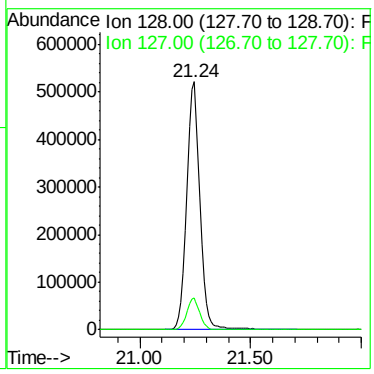




#105
Naphthalene
Concen: 340.67 ug/L
RT: 21.24 min Scan# 1748
Delta R.T. 0.01 min
Lab File: F020713.D
Acq: 13 Oct 2009 4:11 pm

Tgt Ion:128 Resp: 2254108

Ion	Ratio	Lower	Upper
128	100		
127	13.0	0.0	42.5



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0175\
Data File : C0004005.D
Acq On : 14 Oct 2009 8:59 pm
Operator : AnjanaP
Sample : t39513-5,10x
Misc : ms7105,VC0175,5,,,5,10,WATER
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 15 10:51:55 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:49:21 2009
Response via : Initial Calibration

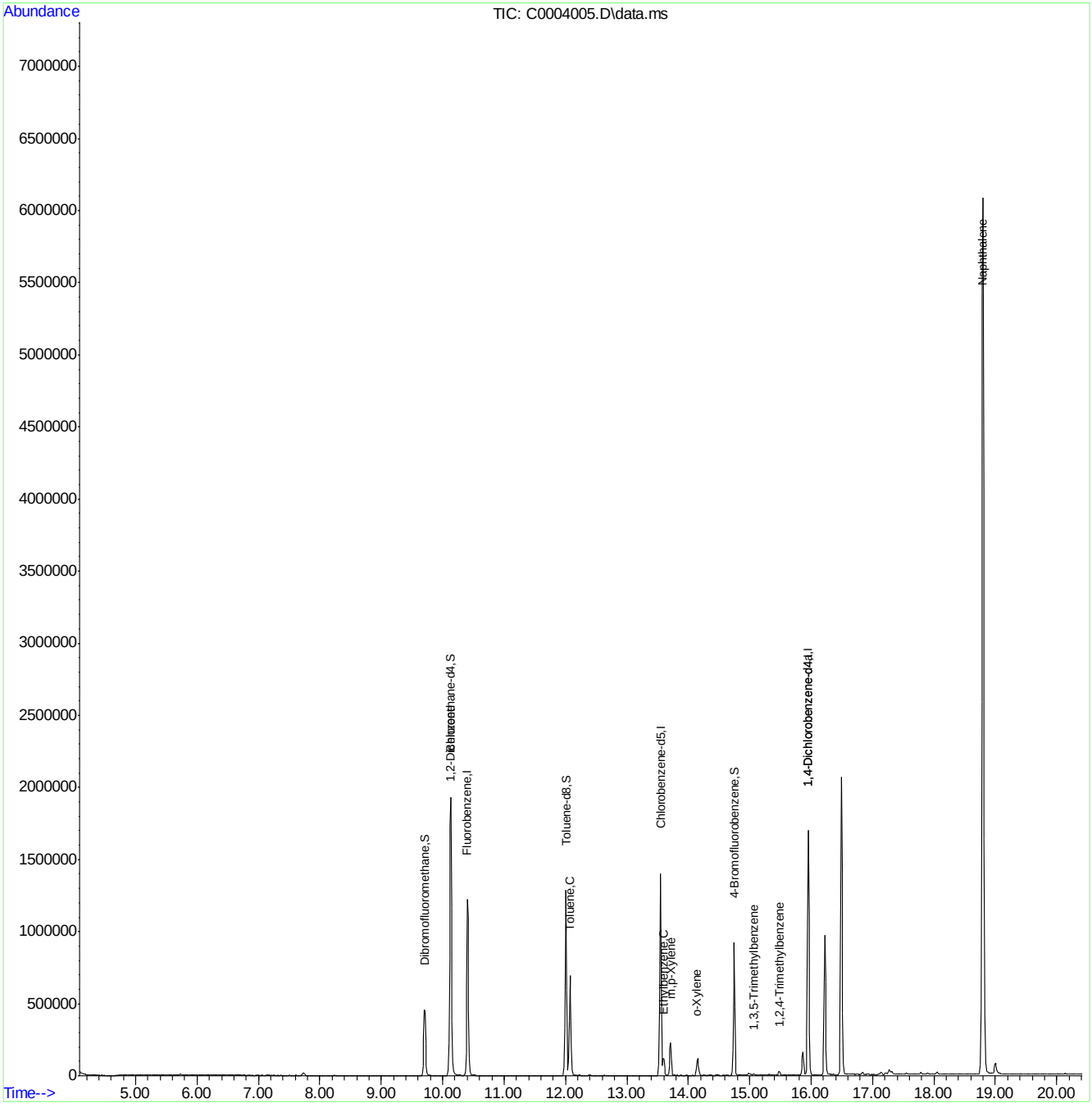
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.403	96	1186439	50.00	ug/kg	0.00
53) Chlorobenzene-d5	13.550	117	923317	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	15.953	152	516256	50.00	ug/kg	0.00
96) 1,4-Dichlorobenzene-d4a	15.953	152	516256	50.00	ug/kg	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	9.702	113	302829	50.14	ug/l	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 100.28%			
39) 1,2-Dichloroethane-d4	10.123	65	339492	51.93	ug/l	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 103.86%			
54) Toluene-d8	12.009	98	886963	46.55	ug/l	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 93.10%			
74) 4-Bromofluorobenzene	14.746	95	302328	37.76	ug/l	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 75.52%#			
Target Compounds						Qvalue
40) Benzene	10.133	78	1581720	67.29	ug/l	99
55) Toluene	12.073	91	546894	22.35	ug/l	100
66) Ethylbenzene	13.593	91	93428	4.03	ug/l	97
67) m,p-Xylene	13.711	91	142325	6.13	ug/l	97
68) o-Xylene	14.142	91	68938	4.16	ug/l	97
82) 1,3,5-Trimethylbenzene	15.069	105	7014	1.16	ug/l	94
90) 1,2,4-Trimethylbenzene	15.479	105	15568	1.14	ug/l	89
94) Naphthalene	18.798	128	6983083	473.84	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

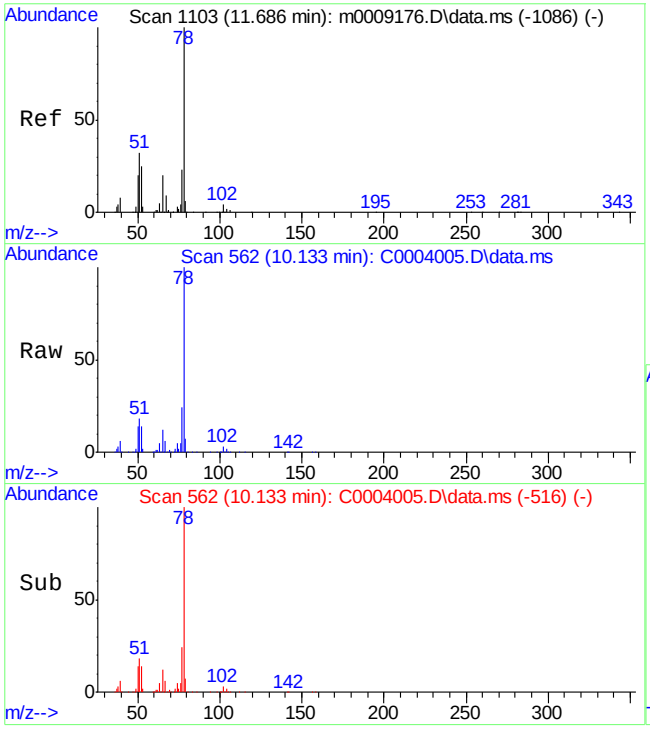
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0175\
Data File : C0004005.D
Acq On : 14 Oct 2009 8:59 pm
Operator : AnjanaP
Sample : t39513-5,10x
Misc : ms7105,VC0175,5,,,5,10,WATER
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 15 10:51:55 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:49:21 2009
Response via : Initial Calibration



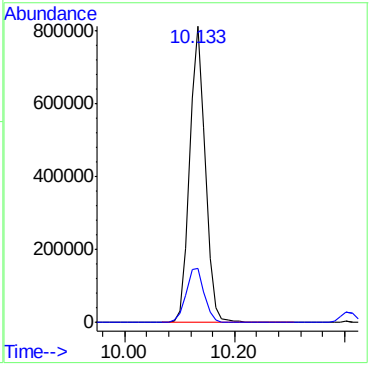
ACCUTEST Laboratories T39513

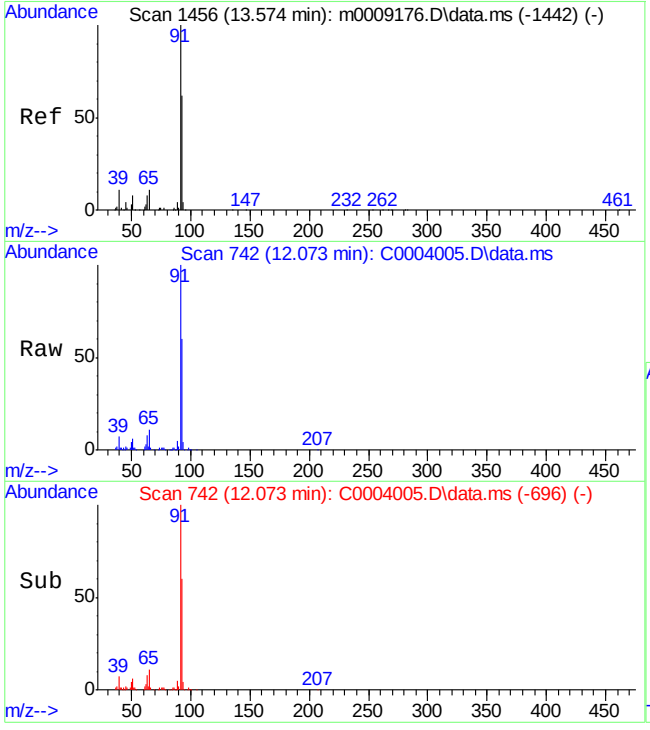


#40
Benzene
Concen: 67.29 ug/l
RT: 10.133 min Scan# 562
Delta R.T. 0.000 min
Lab File: C0004005.D
Acq: 14 Oct 2009 8:59 pm

Tgt Ion: 78 Resp: 1581720

Ion	Ratio	Lower	Upper
78	100		
51	18.4	0.0	48.7

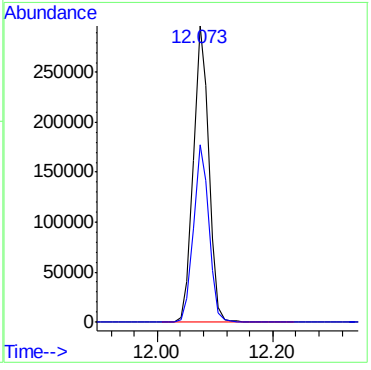


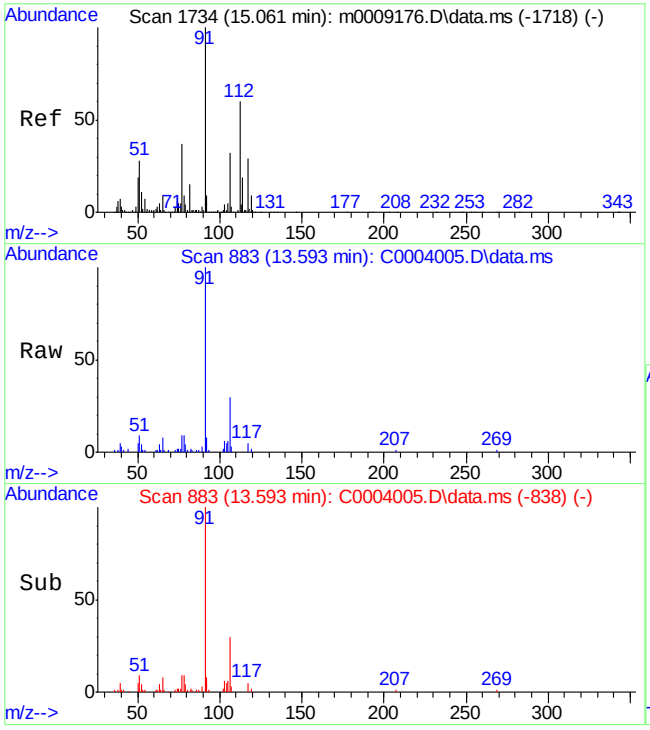


#55
Toluene
Concen: 22.35 ug/l
RT: 12.073 min Scan# 742
Delta R.T. 0.000 min
Lab File: C0004005.D
Acq: 14 Oct 2009 8:59 pm

Tgt Ion: 91 Resp: 546894

Ion	Ratio	Lower	Upper
91	100		
92	59.8	29.8	89.8

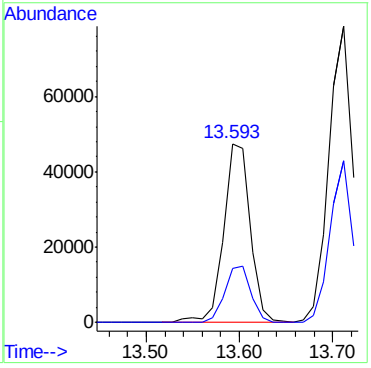


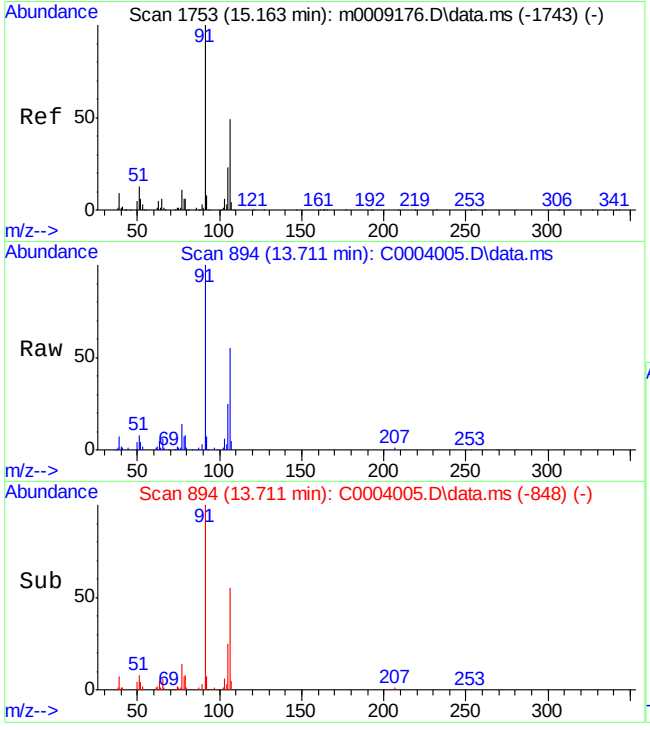


#66
Ethylbenzene
Concen: 4.03 ug/l
RT: 13.593 min Scan# 883
Delta R.T. -0.010 min
Lab File: C0004005.D
Acq: 14 Oct 2009 8:59 pm

Tgt Ion: 91 Resp: 93428

Ion	Ratio	Lower	Upper
91	100		
106	30.1	1.5	61.5

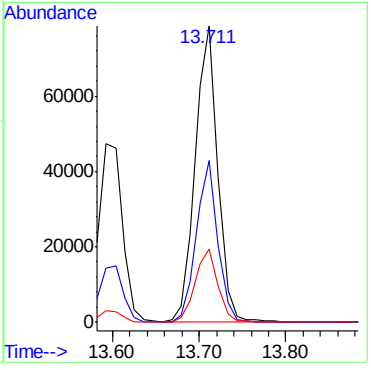


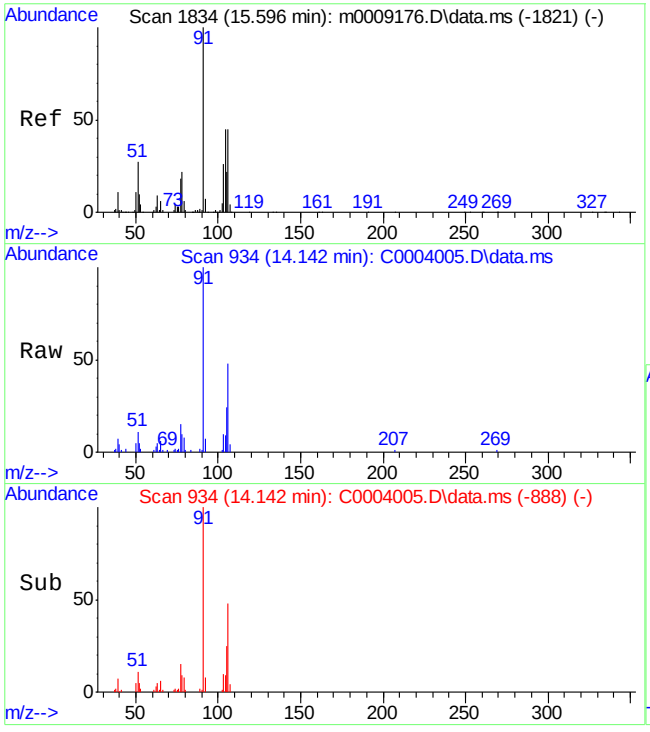


#67
m,p-Xylene
Concen: 6.13 ug/l
RT: 13.711 min Scan# 894
Delta R.T. 0.000 min
Lab File: C0004005.D
Acq: 14 Oct 2009 8:59 pm

Tgt Ion: 91 Resp: 142325

Ion	Ratio	Lower	Upper
91	100		
106	54.6	22.4	82.4
105	24.8	0.0	53.9

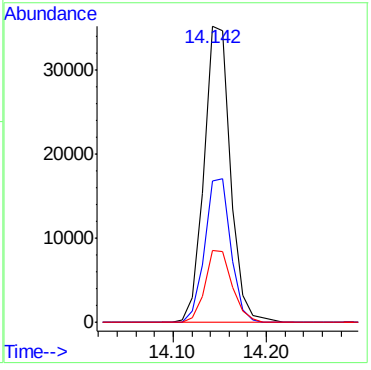


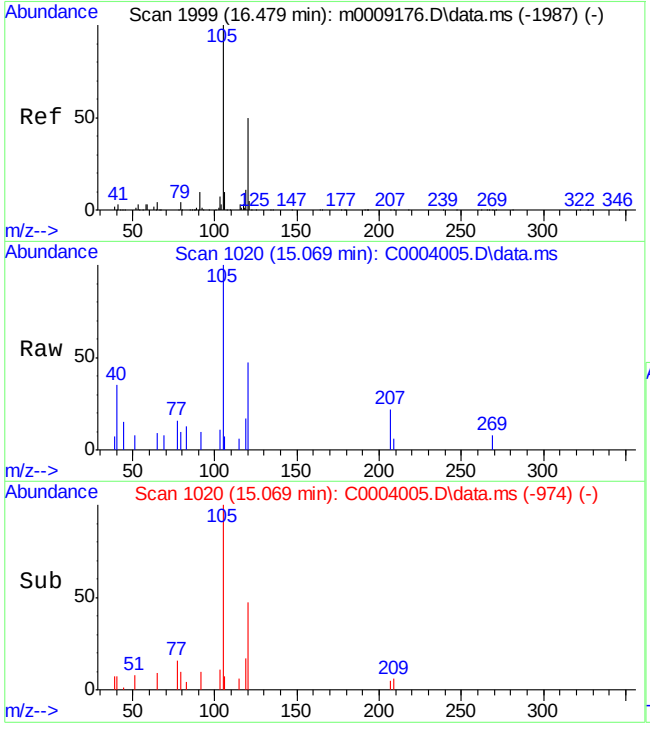


#68
o-Xylene
Concen: 4.16 ug/l
RT: 14.142 min Scan# 934
Delta R.T. 0.000 min
Lab File: C0004005.D
Acq: 14 Oct 2009 8:59 pm

Tgt Ion: 91 Resp: 68938

Ion	Ratio	Lower	Upper
91	100		
106	47.8	18.4	78.4
105	24.2	0.0	50.6

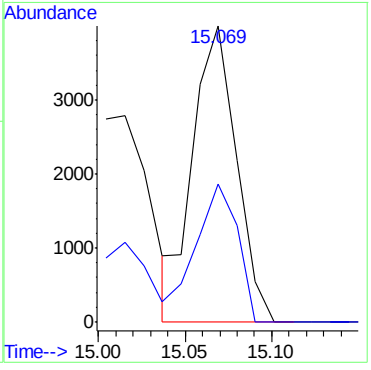


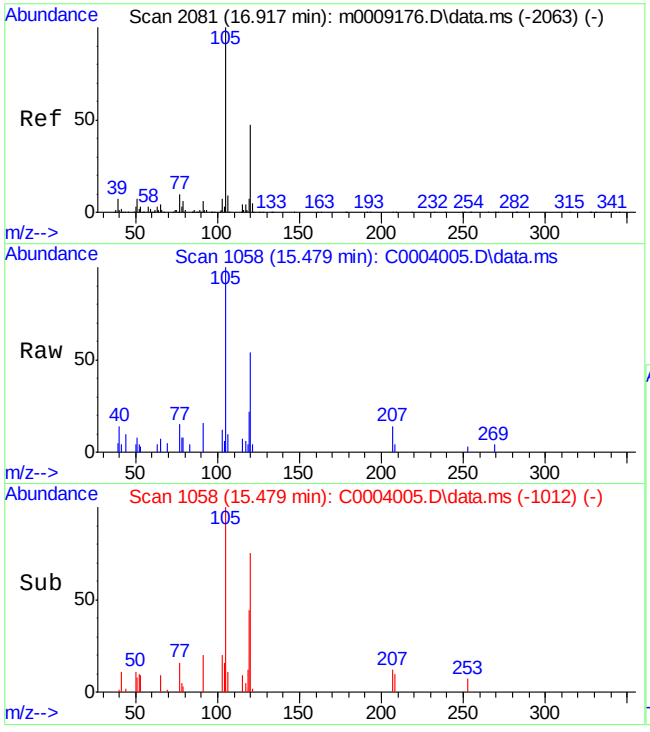


#82
1,3,5-Trimethylbenzene
Concen: 1.16 ug/l
RT: 15.069 min Scan# 1020
Delta R.T. 0.000 min
Lab File: C0004005.D
Acq: 14 Oct 2009 8:59 pm

Tgt Ion:105 Resp: 7014

Ion	Ratio	Lower	Upper
105	100		
120	46.6	21.1	81.1

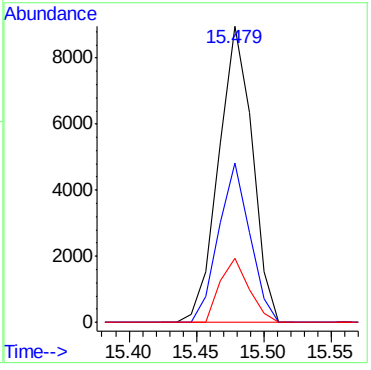


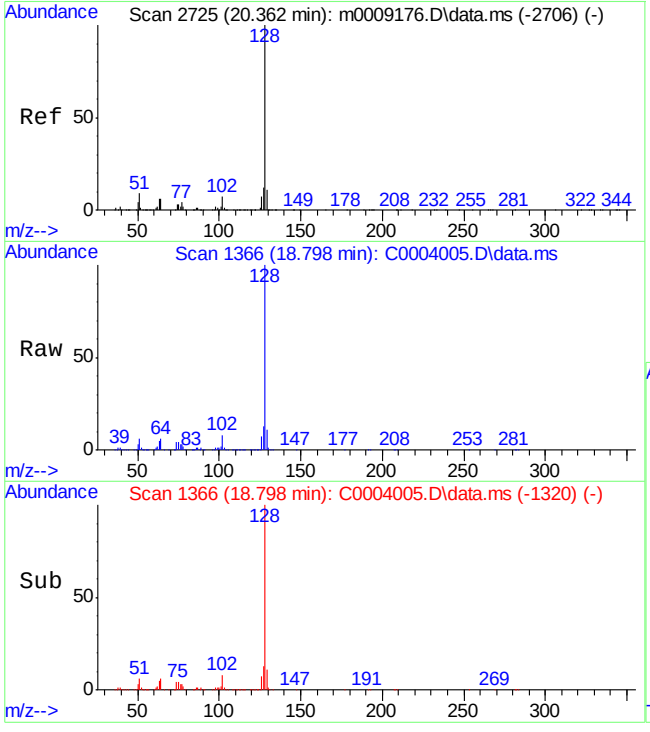


#90
1,2,4-Trimethylbenzene
Concen: 1.14 ug/l
RT: 15.479 min Scan# 1058
Delta R.T. -0.000 min
Lab File: C0004005.D
Acq: 14 Oct 2009 8:59 pm

Tgt Ion:105 Resp: 15568

Ion	Ratio	Lower	Upper
105	100		
120	53.8	18.5	78.5
119	21.7	0.0	42.9

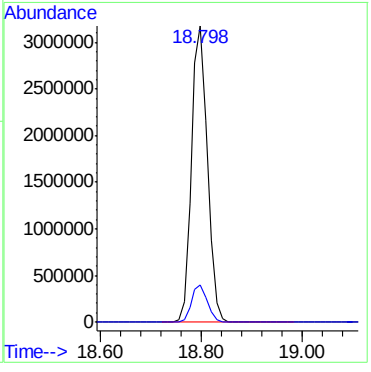




#94
Naphthalene
Concen: 473.84 ug/l
RT: 18.798 min Scan# 1366
Delta R.T. 0.000 min
Lab File: C0004005.D
Acq: 14 Oct 2009 8:59 pm

Tgt Ion:128 Resp: 6983083

Ion	Ratio	Lower	Upper
128	100		
127	12.6	0.0	42.3



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3599\F020714.D Vial: 16
Acq On : 13 Oct 2009 4:41 pm Operator: AnjanaP
Sample : t39513-5 Inst : GC/MS F
Misc : ms7105,vf3599,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 13:42:25 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Wed Oct 14 13:42:20 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.64	96	1280437	50.00	ug/L	0.01
61) Chlorobenzene-d5	14.60	117	996217	50.00	ug/L	0.01
80) 1,4-Dichlorobenzene-d4	17.79	152	547172	50.00	ug/L	0.01
107) 1,4-Dichlorobenzene-d4a	17.79	152	547172	50.00	ug/kg	0.01

System Monitoring Compounds						
39) Dibromofluoromethane	9.82	113	345006	45.44	ug/L	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 90.88%			
45) 1,2-Dichloroethane-d4	10.30	65	398528	40.98	ug/L	0.02
Spiked Amount 50.000	Range 75 - 121		Recovery = 81.96%			
62) Toluene-d8	12.59	98	1001684	43.45	ug/L	0.02
Spiked Amount 50.000	Range 87 - 119		Recovery = 86.90%#			
83) 4-Bromofluorobenzene	16.17	95	462552	44.75	ug/L	0.03
Spiked Amount 50.000	Range 80 - 133		Recovery = 89.50%			

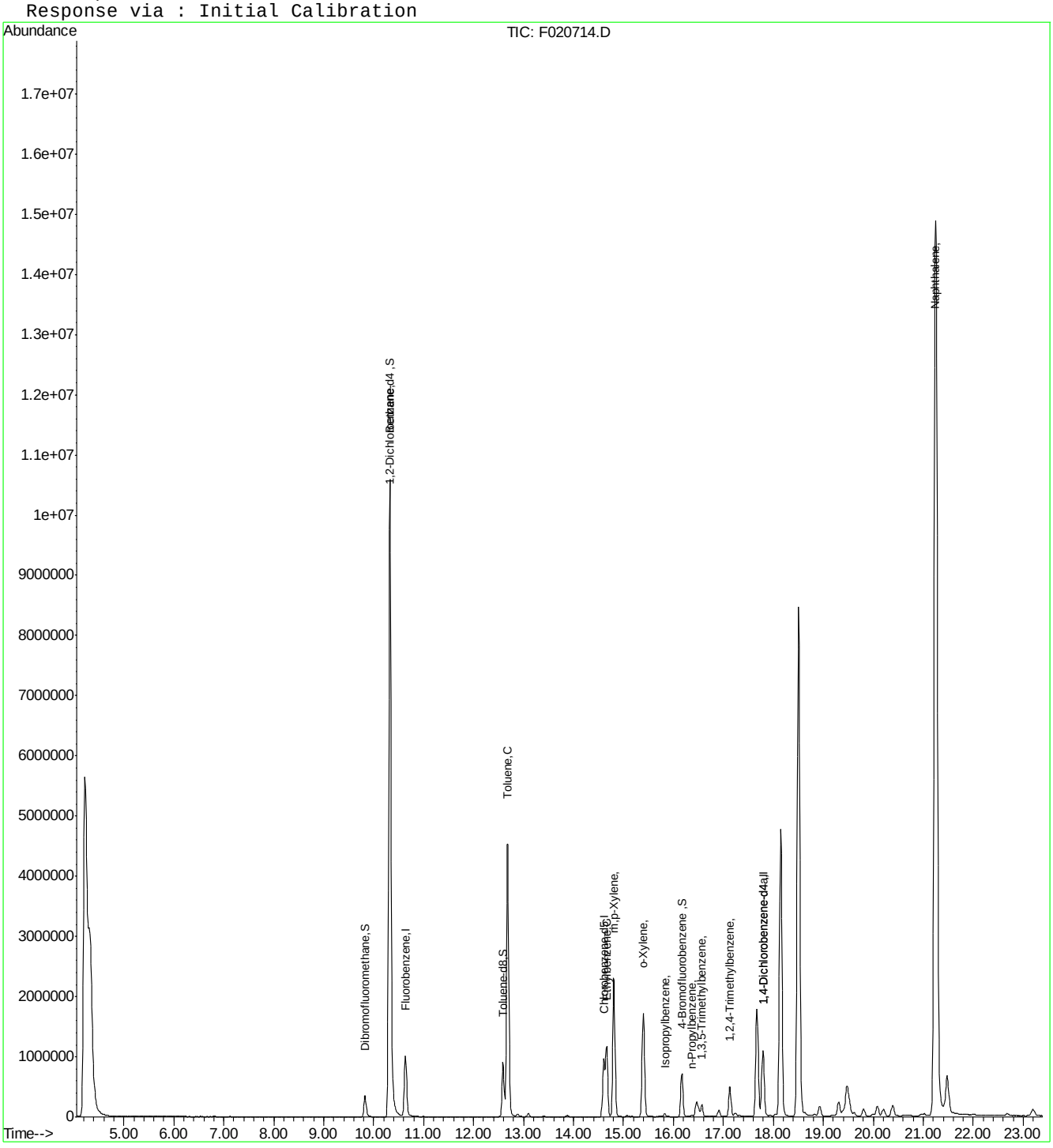
Target Compounds						Qvalue
46) Benzene	10.32	78	15103019	718.86	ug/L	76
63) Toluene	12.69	91	5859788	219.31	ug/L	99
75) Ethylbenzene	14.66	91	1561678	46.94	ug/L	98
76) m,p-Xylene	14.80	91	2649631	103.49	ug/L	97
77) o-Xylene	15.39	91	1674226	62.86	ug/L	95
81) Isopropylbenzene	15.82	105	61304	2.47	ug/L	97
88) n-Propylbenzene	16.38	91	43467	1.28	ug/L	94
91) 1,3,5-Trimethylbenzene	16.57	105	202909	9.03	ug/L	98
100) 1,2,4-Trimethylbenzene	17.13	105	571264	23.79	ug/L	100
105) Naphthalene	21.25	128	31137089	3451.72	ug/L	91

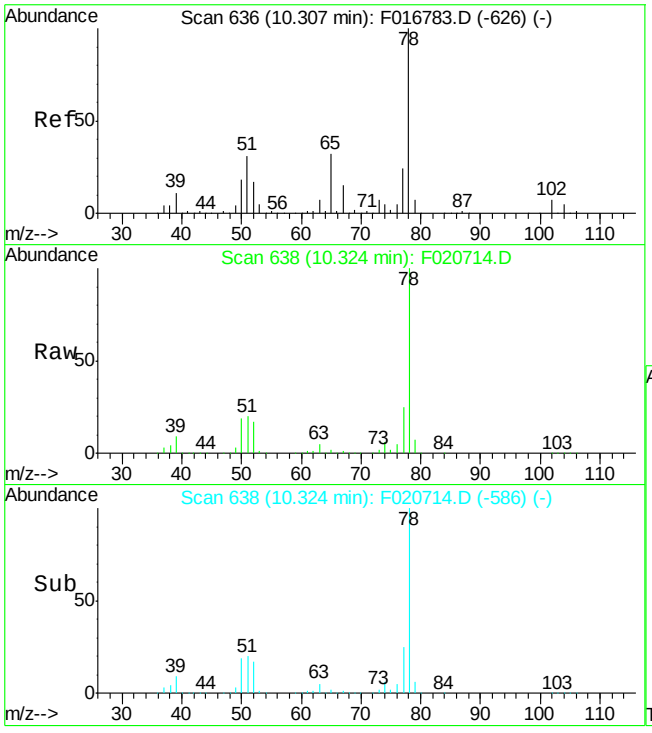
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3599\F020714.D Vial: 16
Acq On : 13 Oct 2009 4:41 pm Operator: AnjanaP
Sample : t39513-5 Inst : GC/MS F
Misc : ms7105,vf3599,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 13:47 2009 Quant Results File: VF3547AP9G.RES

Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Wed Oct 14 13:44:25 2009
Response via : Initial Calibration

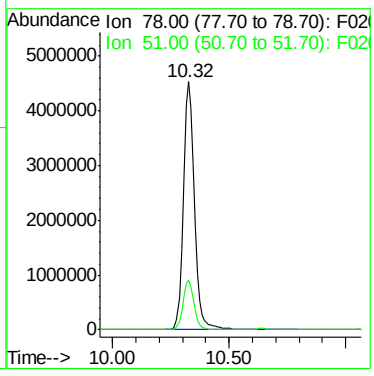


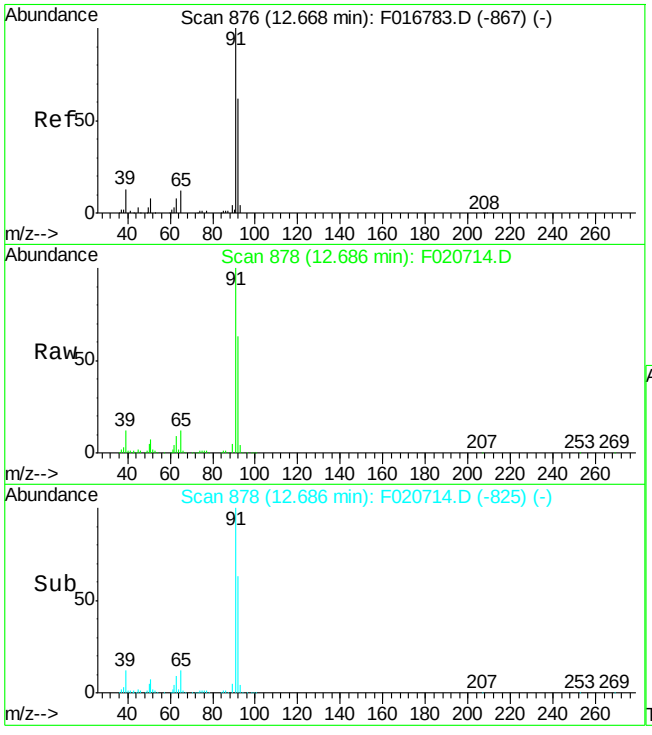


#46
Benzene
Concen: 718.86 ug/L
RT: 10.32 min Scan# 638
Delta R.T. 0.01 min
Lab File: F020714.D
Acq: 13 Oct 2009 4:41 pm

Tgt Ion: 78 Resp:15103019

Ion	Ratio	Lower	Upper
78	100		
51	20.1	4.0	64.0

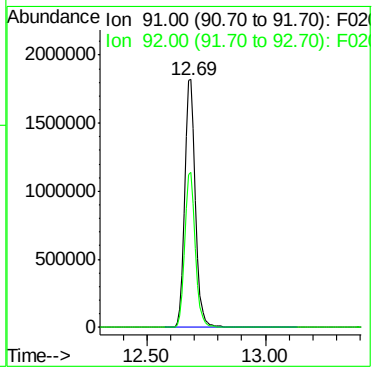


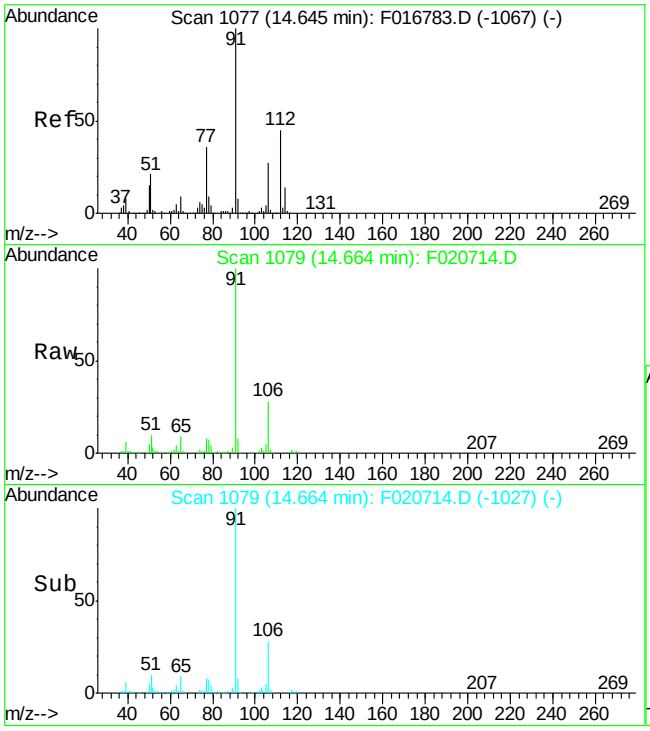


#63
Toluene
Concen: 219.31 ug/L
RT: 12.69 min Scan# 878
Delta R.T. 0.02 min
Lab File: F020714.D
Acq: 13 Oct 2009 4:41 pm

Tgt Ion: 91 Resp: 5859788

Ion	Ratio	Lower	Upper
91	100		
92	62.6	31.7	91.7

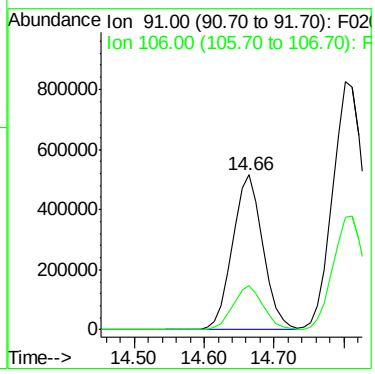


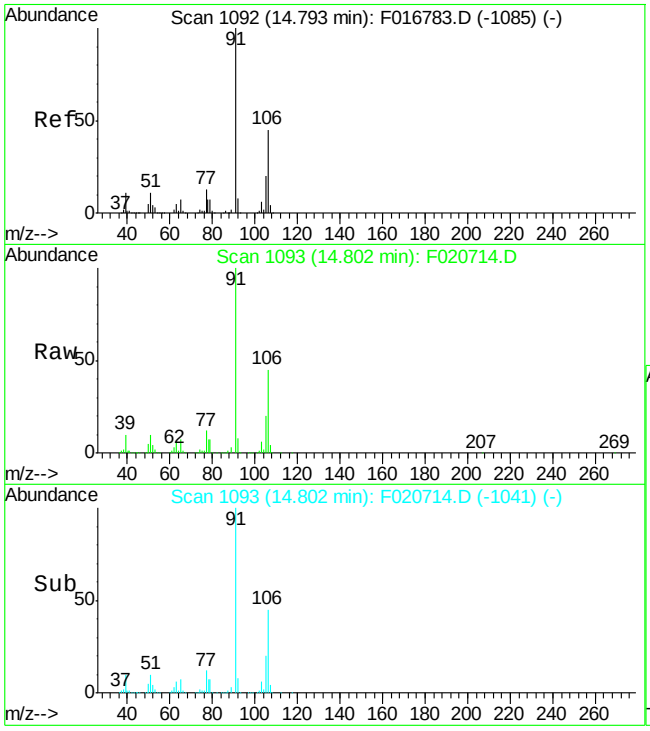


#75
Ethylbenzene
Concen: 46.94 ug/L
RT: 14.66 min Scan# 1079
Delta R.T. 0.01 min
Lab File: F020714.D
Acq: 13 Oct 2009 4:41 pm

Tgt Ion: 91 Resp: 1561678

Ion	Ratio	Lower	Upper
91	100		
106	28.2	0.0	57.1

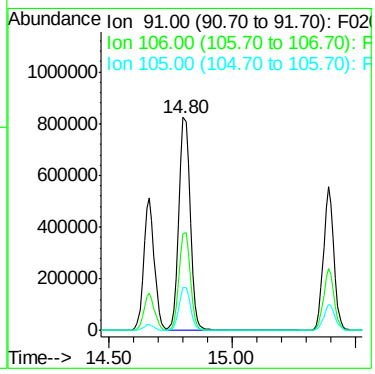


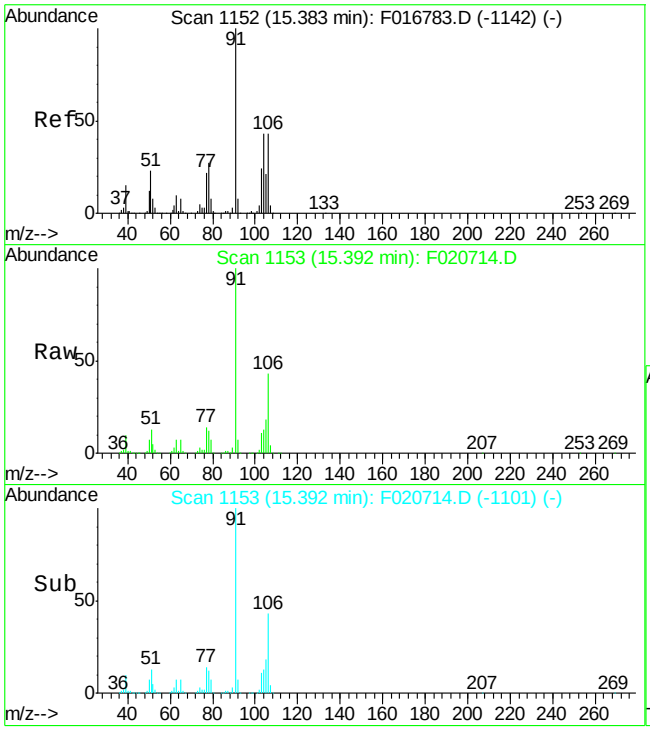


#76
m,p-Xylene
Concen: 103.49 ug/L
RT: 14.80 min Scan# 1093
Delta R.T. 0.01 min
Lab File: F020714.D
Acq: 13 Oct 2009 4:41 pm

Tgt Ion: 91 Resp: 2649631

Ion	Ratio	Lower	Upper
91	100		
106	45.5	12.4	72.4
105	20.0	0.0	49.8

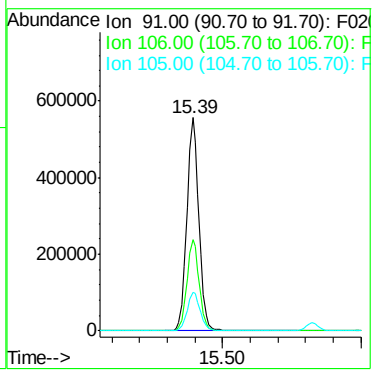


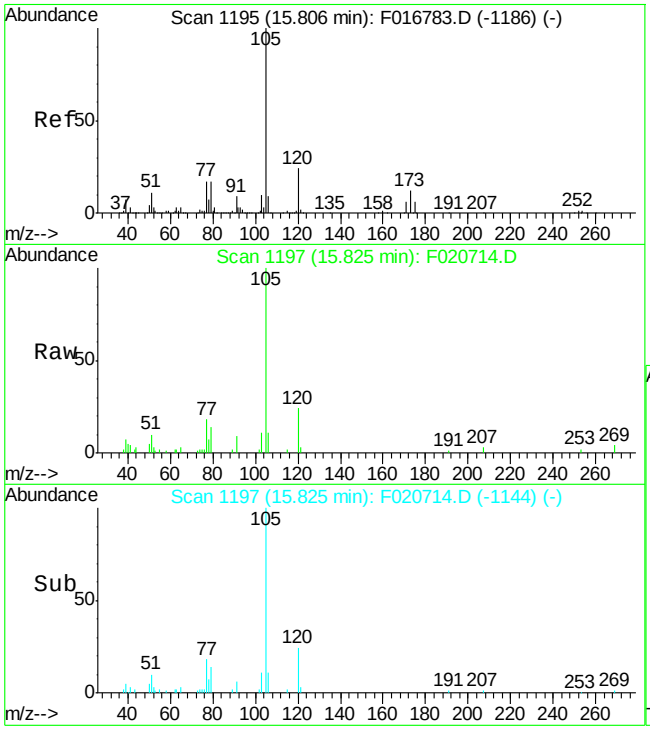


#77
o-Xylene
Concen: 62.86 ug/L
RT: 15.39 min Scan# 1153
Delta R.T. 0.01 min
Lab File: F020714.D
Acq: 13 Oct 2009 4:41 pm

Tgt Ion: 91 Resp: 1674226

Ion	Ratio	Lower	Upper
91	100		
106	42.9	9.6	69.6
105	18.0	0.0	49.9

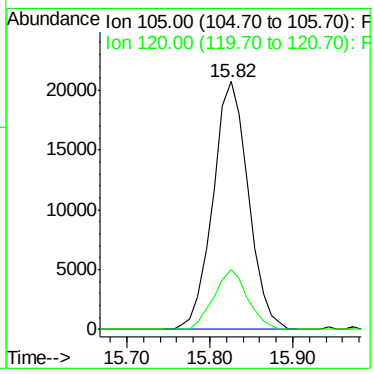


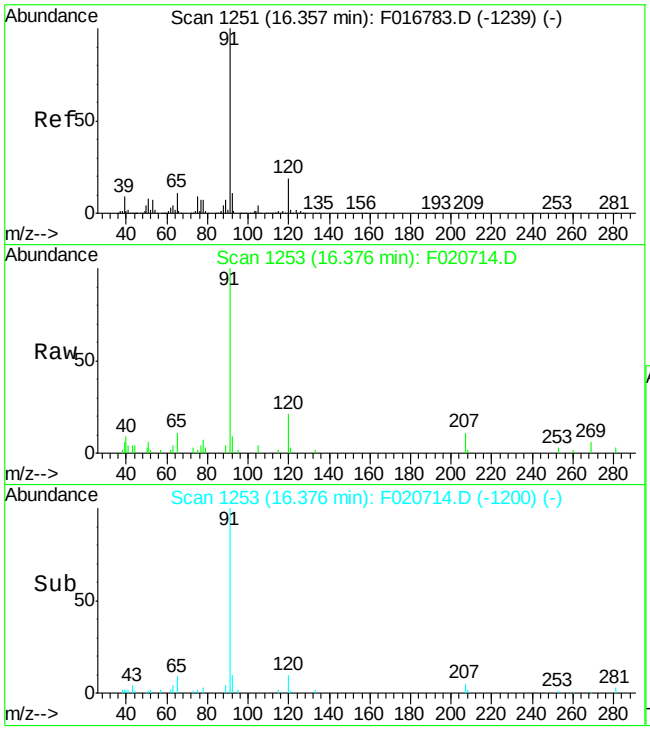


#81
Isopropylbenzene
Concen: 2.47 ug/L
RT: 15.82 min Scan# 1197
Delta R.T. 0.02 min
Lab File: F020714.D
Acq: 13 Oct 2009 4:41 pm

Tgt Ion:105 Resp: 61304

Ion	Ratio	Lower	Upper
105	100		
120	24.0	0.0	52.8

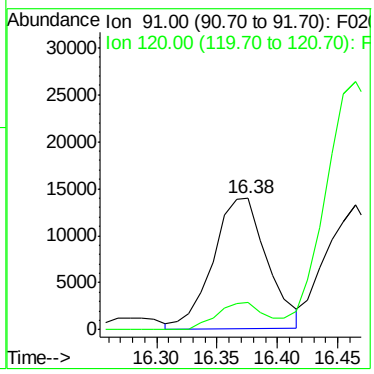


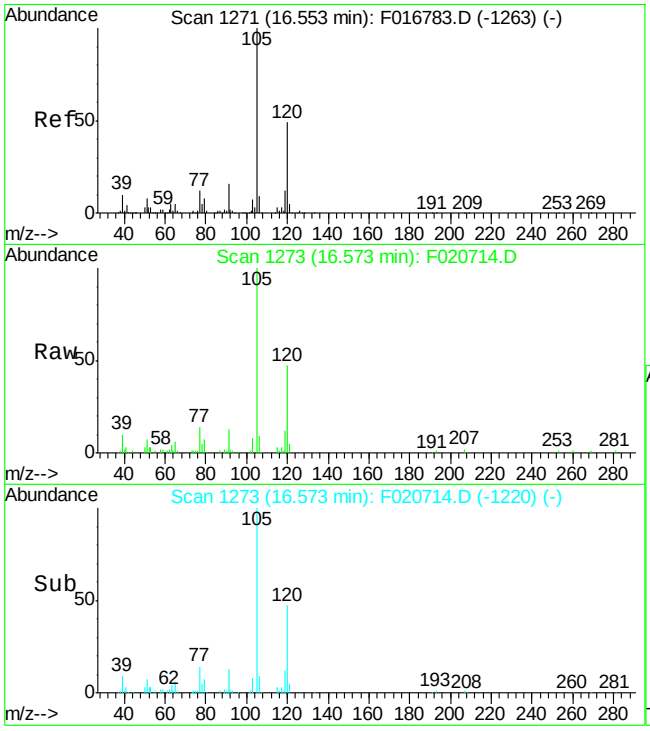


#88
n-Propylbenzene
Concen: 1.28 ug/L
RT: 16.38 min Scan# 1253
Delta R.T. 0.02 min
Lab File: F020714.D
Acq: 13 Oct 2009 4:41 pm

Tgt Ion: 91 Resp: 43467

Ion	Ratio	Lower	Upper
91	100		
120	21.9	0.0	49.3

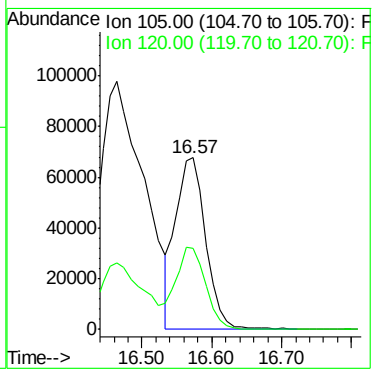


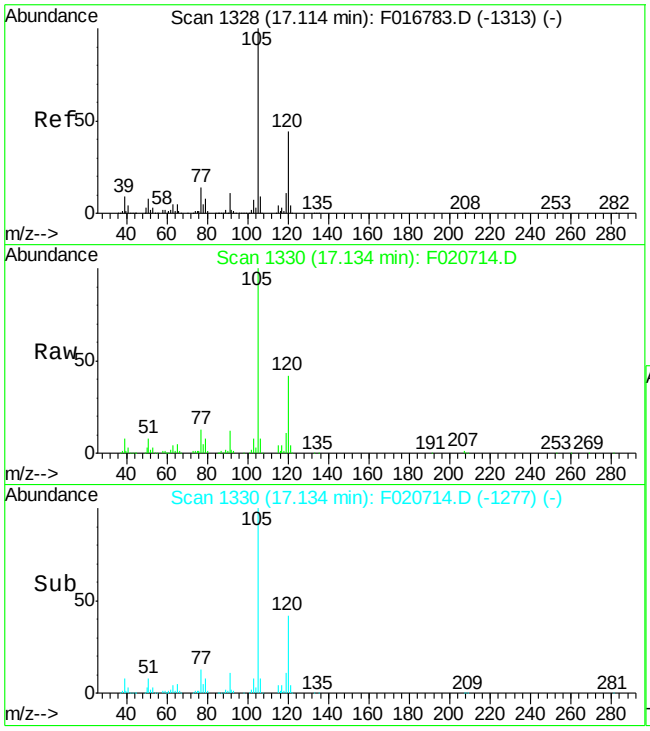


#91
1,3,5-Trimethylbenzene
Concen: 9.03 ug/L
RT: 16.57 min Scan# 1273
Delta R.T. 0.02 min
Lab File: F020714.D
Acq: 13 Oct 2009 4:41 pm

Tgt Ion:105 Resp: 202909

Ion	Ratio	Lower	Upper
105	100		
120	47.2	15.7	75.7

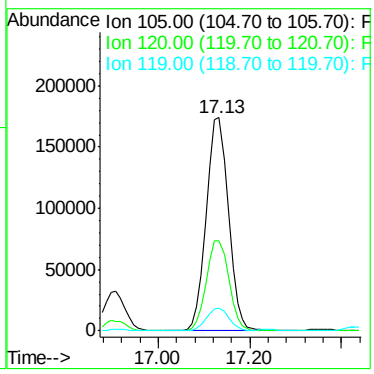


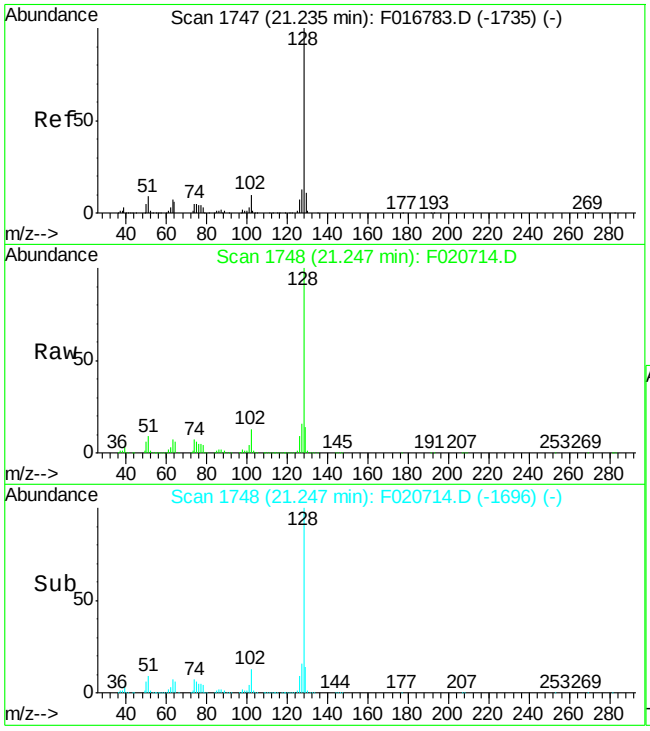


#100
1,2,4-Trimethylbenzene
Concen: 23.79 ug/L
RT: 17.13 min Scan# 1330
Delta R.T. 0.02 min
Lab File: F020714.D
Acq: 13 Oct 2009 4:41 pm

Tgt Ion:105 Resp: 571264

Ion	Ratio	Lower	Upper
105	100		
120	42.1	12.2	72.2
119	10.8	0.0	40.6

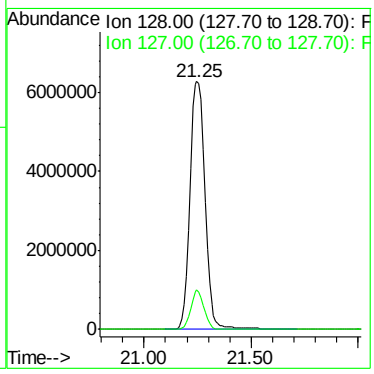




#105
Naphthalene
Concen: 3451.72 ug/L
RT: 21.25 min Scan# 1748
Delta R.T. 0.01 min
Lab File: F020714.D
Acq: 13 Oct 2009 4:41 pm

Tgt Ion:128 Resp:31137089

Ion	Ratio	Lower	Upper
128	100		
127	16.0	0.0	42.5



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3601\F020767.D Vial: 22
Acq On : 14 Oct 2009 8:32 pm Operator: AnjanaP
Sample : t39513-6 Inst : GC/MS F
Misc : ms7105,vf3602,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 15 09:28:06 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Wed Oct 14 13:44:25 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.64	96	965849	50.00	ug/L	0.01
61) Chlorobenzene-d5	14.60	117	784979	50.00	ug/L	0.01
80) 1,4-Dichlorobenzene-d4	17.80	152	450344	50.00	ug/L	0.02
107) 1,4-Dichlorobenzene-d4a	17.80	152	450344	50.00	ug/kg	0.02

System Monitoring Compounds

39) Dibromofluoromethane	9.83	113	297118	51.88	ug/L	0.01
Spiked Amount 50.000	Range 79 - 122		Recovery = 103.76%			
45) 1,2-Dichloroethane-d4	10.31	65	377580	51.99	ug/L	0.02
Spiked Amount 50.000	Range 75 - 121		Recovery = 103.98%			
62) Toluene-d8	12.58	98	844725	46.49	ug/L	0.01
Spiked Amount 50.000	Range 87 - 119		Recovery = 92.98%			
83) 4-Bromofluorobenzene	16.17	95	368555	43.35	ug/L	0.02
Spiked Amount 50.000	Range 80 - 133		Recovery = 86.70%			

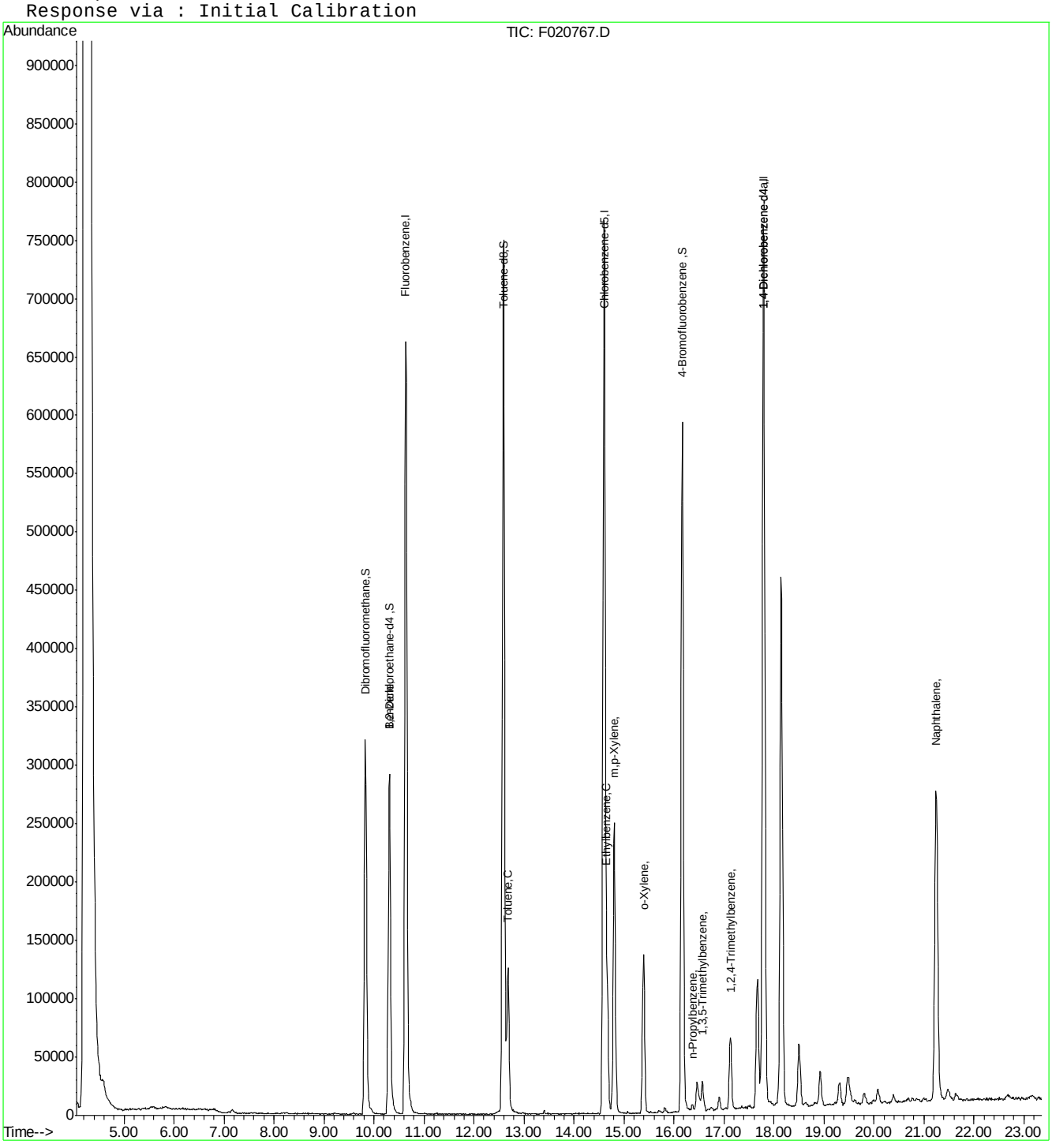
Target Compounds						Qvalue
46) Benzene	10.32	78	11848	0.75	ug/L #	1
63) Toluene	12.68	91	144336	6.86	ug/L	99
75) Ethylbenzene	14.66	91	134881	5.14	ug/L	98
76) m,p-Xylene	14.81	91	279704	13.86	ug/L	99
77) o-Xylene	15.40	91	156091	7.44	ug/L	94
88) n-Propylbenzene	16.37	91	9932	0.36	ug/L	98
91) 1,3,5-Trimethylbenzene	16.57	105	27028	1.46	ug/L	99
100) 1,2,4-Trimethylbenzene	17.13	105	68491	3.46	ug/L	99
105) Naphthalene	21.24	128	528146	69.09	ug/L	100

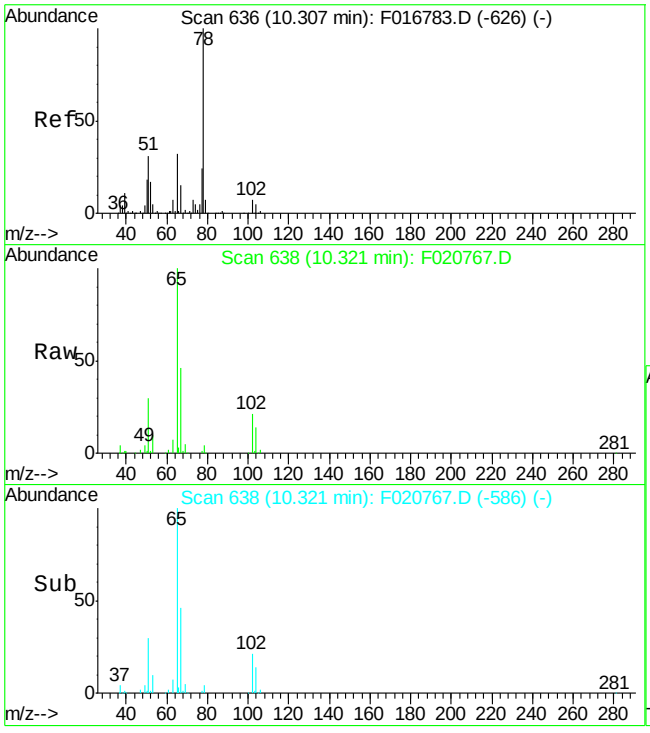
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3601\F020767.D Vial: 22
Acq On : 14 Oct 2009 8:32 pm Operator: AnjanaP
Sample : t39513-6 Inst : GC/MS F
Misc : ms7105,vf3602,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 15 9:31 2009 Quant Results File: VF3547AP9G.RES

Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Wed Oct 14 13:44:25 2009
Response via : Initial Calibration

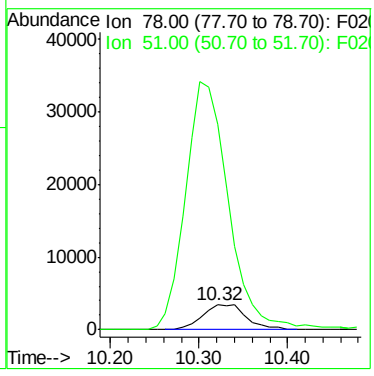


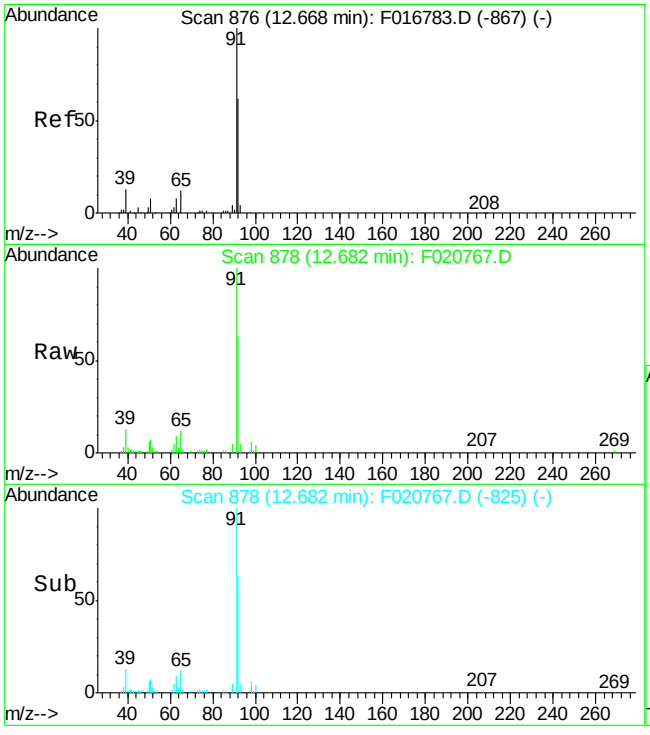


#46
Benzene
Concen: 0.75 ug/L
RT: 10.32 min Scan# 638
Delta R.T. 0.01 min
Lab File: F020767.D
Acq: 14 Oct 2009 8:32 pm

Tgt Ion: 78 Resp: 11848

Ion	Ratio	Lower	Upper
78	100		
51	805.5	4.0	64.0#

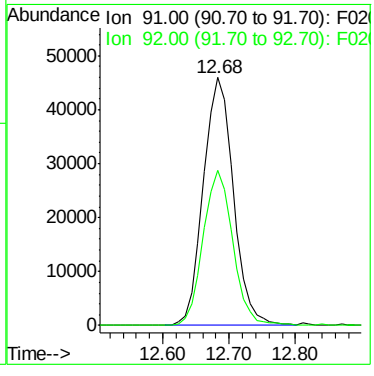


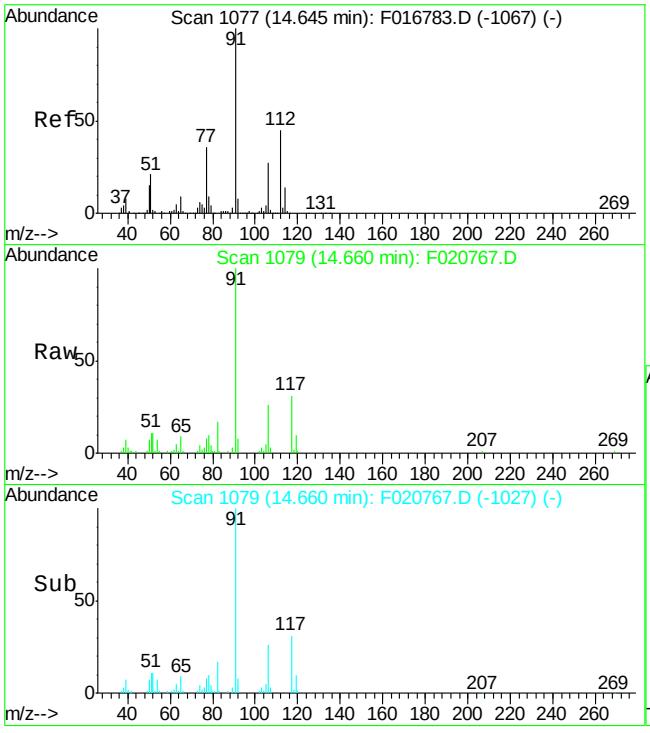


#63
Toluene
Concen: 6.86 ug/L
RT: 12.68 min Scan# 878
Delta R.T. 0.02 min
Lab File: F020767.D
Acq: 14 Oct 2009 8:32 pm

Tgt Ion: 91 Resp: 144336

Ion	Ratio	Lower	Upper
91	100		
92	62.7	31.7	91.7

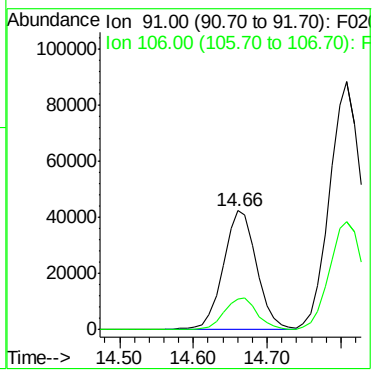


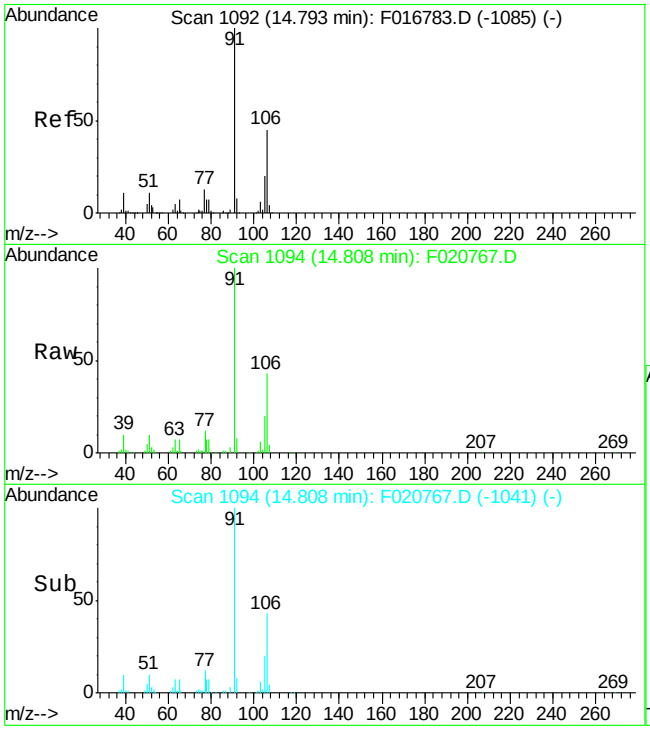


#75
Ethylbenzene
Concen: 5.14 ug/L
RT: 14.66 min Scan# 1079
Delta R.T. 0.01 min
Lab File: F020767.D
Acq: 14 Oct 2009 8:32 pm

Tgt Ion: 91 Resp: 134881

Ion	Ratio	Lower	Upper
91	100		
106	26.0	0.0	57.1

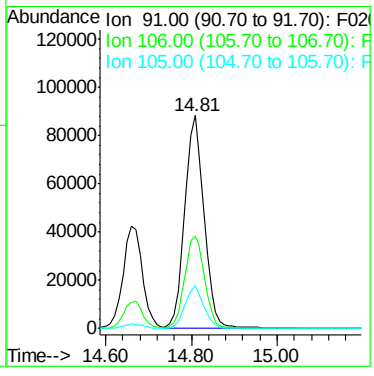


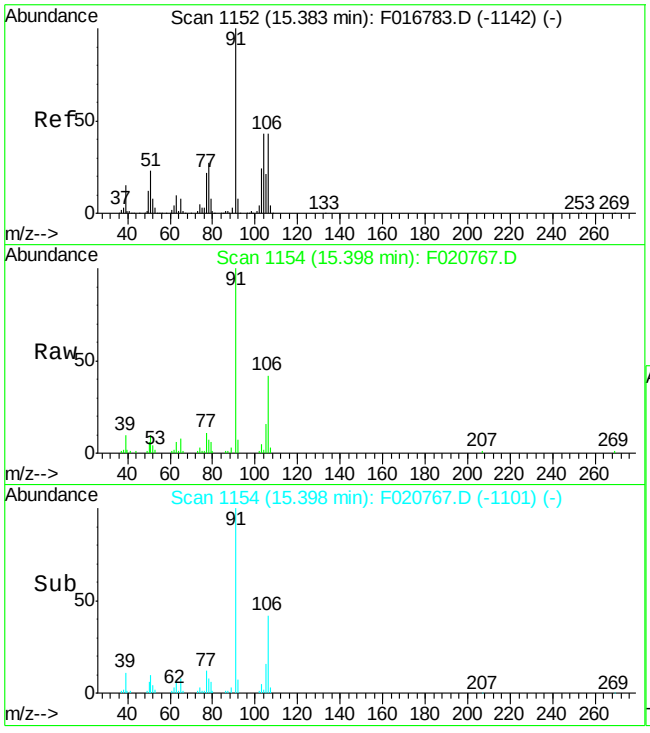


#76
m,p-Xylene
Concen: 13.86 ug/L
RT: 14.81 min Scan# 1094
Delta R.T. 0.02 min
Lab File: F020767.D
Acq: 14 Oct 2009 8:32 pm

Tgt Ion: 91 Resp: 279704

Ion	Ratio	Lower	Upper
91	100		
106	43.5	12.4	72.4
105	20.2	0.0	49.8

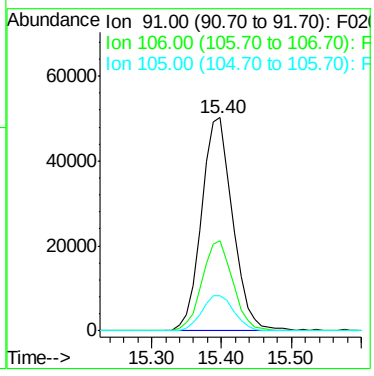


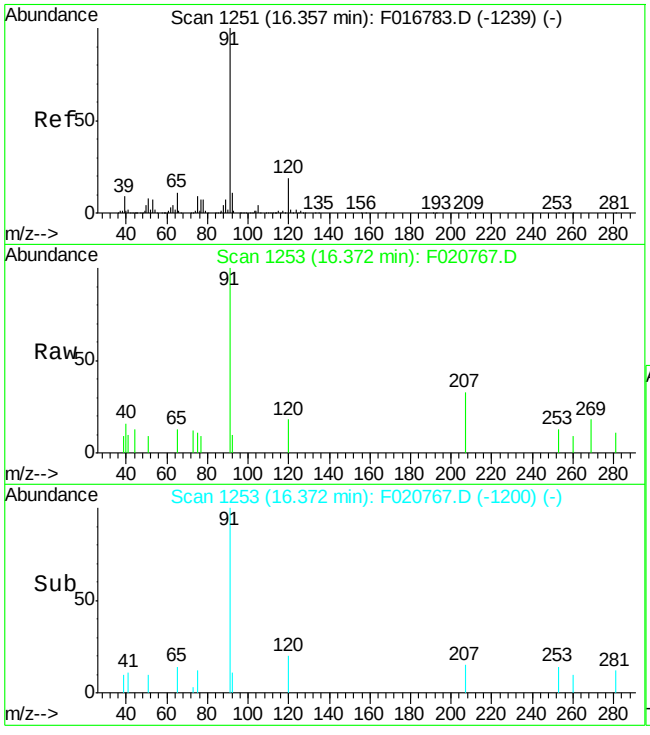


#77
o-Xylene
Concen: 7.44 ug/L
RT: 15.40 min Scan# 1154
Delta R.T. 0.02 min
Lab File: F020767.D
Acq: 14 Oct 2009 8:32 pm

Tgt Ion: 91 Resp: 156091

Ion	Ratio	Lower	Upper
91	100		
106	42.3	9.6	69.6
105	16.3	0.0	49.9

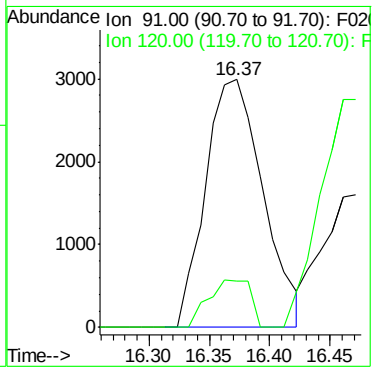


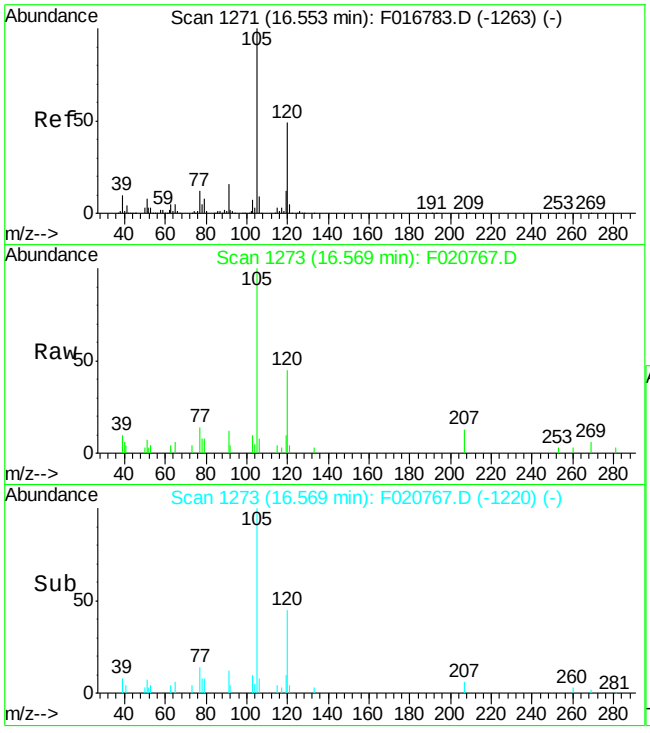


#88
n-Propylbenzene
Concen: 0.36 ug/L
RT: 16.37 min Scan# 1253
Delta R.T. 0.02 min
Lab File: F020767.D
Acq: 14 Oct 2009 8:32 pm

Tgt Ion: 91 Resp: 9932

Ion	Ratio	Lower	Upper
91	100		
120	18.5	0.0	49.3

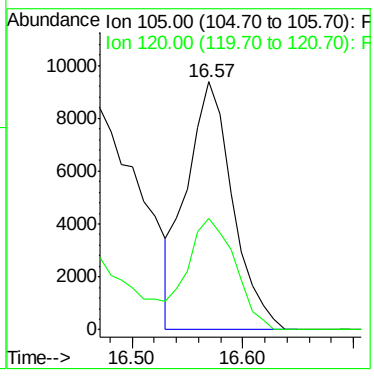


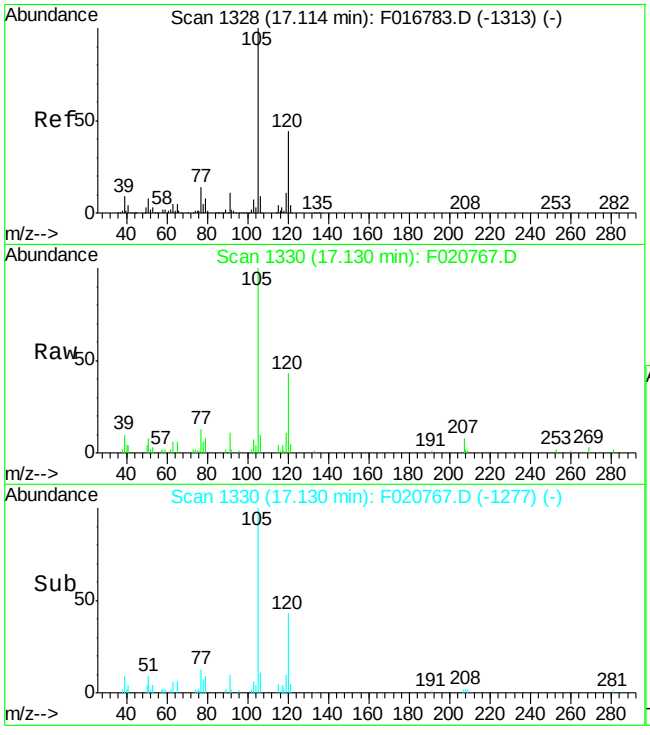


#91
1,3,5-Trimethylbenzene
Concen: 1.46 ug/L
RT: 16.57 min Scan# 1273
Delta R.T. 0.02 min
Lab File: F020767.D
Acq: 14 Oct 2009 8:32 pm

Tgt Ion:105 Resp: 27028

Ion	Ratio	Lower	Upper
105	100		
120	45.0	15.7	75.7

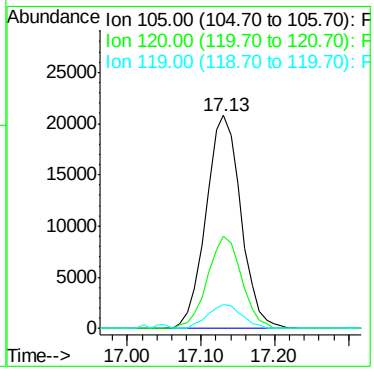


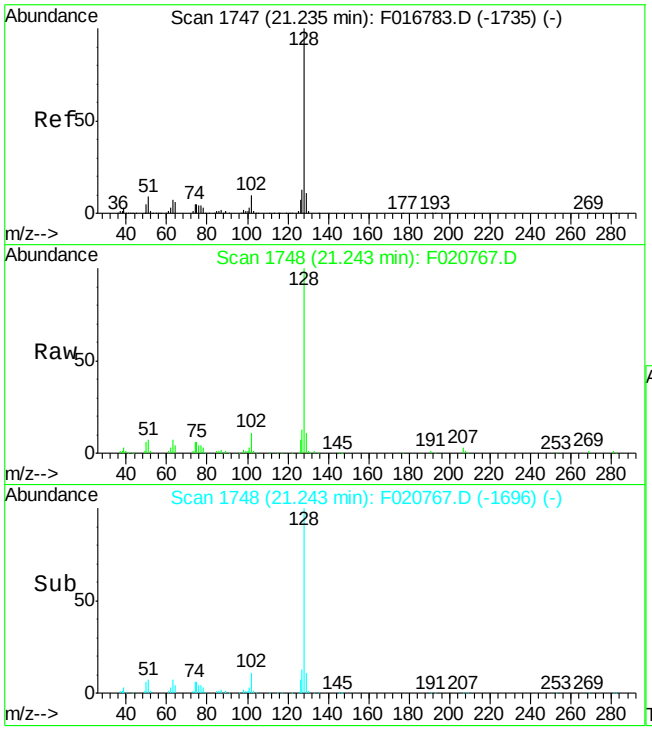


#100
1,2,4-Trimethylbenzene
Concen: 3.46 ug/L
RT: 17.13 min Scan# 1330
Delta R.T. 0.02 min
Lab File: F020767.D
Acq: 14 Oct 2009 8:32 pm

Tgt Ion:105 Resp: 68491

Ion	Ratio	Lower	Upper
105	100		
120	43.1	12.2	72.2
119	11.2	0.0	40.6

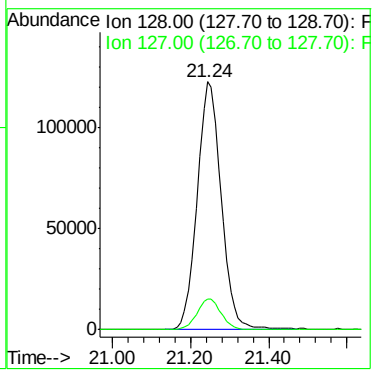




#105
Naphthalene
Concen: 69.09 ug/L
RT: 21.24 min Scan# 1748
Delta R.T. 0.01 min
Lab File: F020767.D
Acq: 14 Oct 2009 8:32 pm

Tgt Ion:128 Resp: 528146

Ion	Ratio	Lower	Upper
128	100		
127	12.6	0.0	42.5



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3599\F020716.D Vial: 18
Acq On : 13 Oct 2009 5:41 pm Operator: AnjanaP
Sample : t39513-7 Inst : GC/MS F
Misc : ms7105,vf3599,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 12:02:47 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.63	96	1307320	50.00	ug/L	0.00
61) Chlorobenzene-d5	14.60	117	1029110	50.00	ug/L	0.00
80) 1,4-Dichlorobenzene-d4	17.80	152	558772	50.00	ug/L	0.02
107) 1,4-Dichlorobenzene-d4a	17.80	152	558772	50.00	ug/kg	0.02

System Monitoring Compounds

39) Dibromofluoromethane	9.83	113	365969	47.21	ug/L	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 94.42%			
45) 1,2-Dichloroethane-d4	10.31	65	429250	43.34	ug/L	0.02
Spiked Amount 50.000	Range 75 - 121		Recovery = 86.68%			
62) Toluene-d8	12.59	98	1047439	43.31	ug/L	0.02
Spiked Amount 50.000	Range 87 - 119		Recovery = 86.62%#			
83) 4-Bromofluorobenzene	16.16	95	473241	44.84	ug/L	0.02
Spiked Amount 50.000	Range 80 - 133		Recovery = 89.68%			

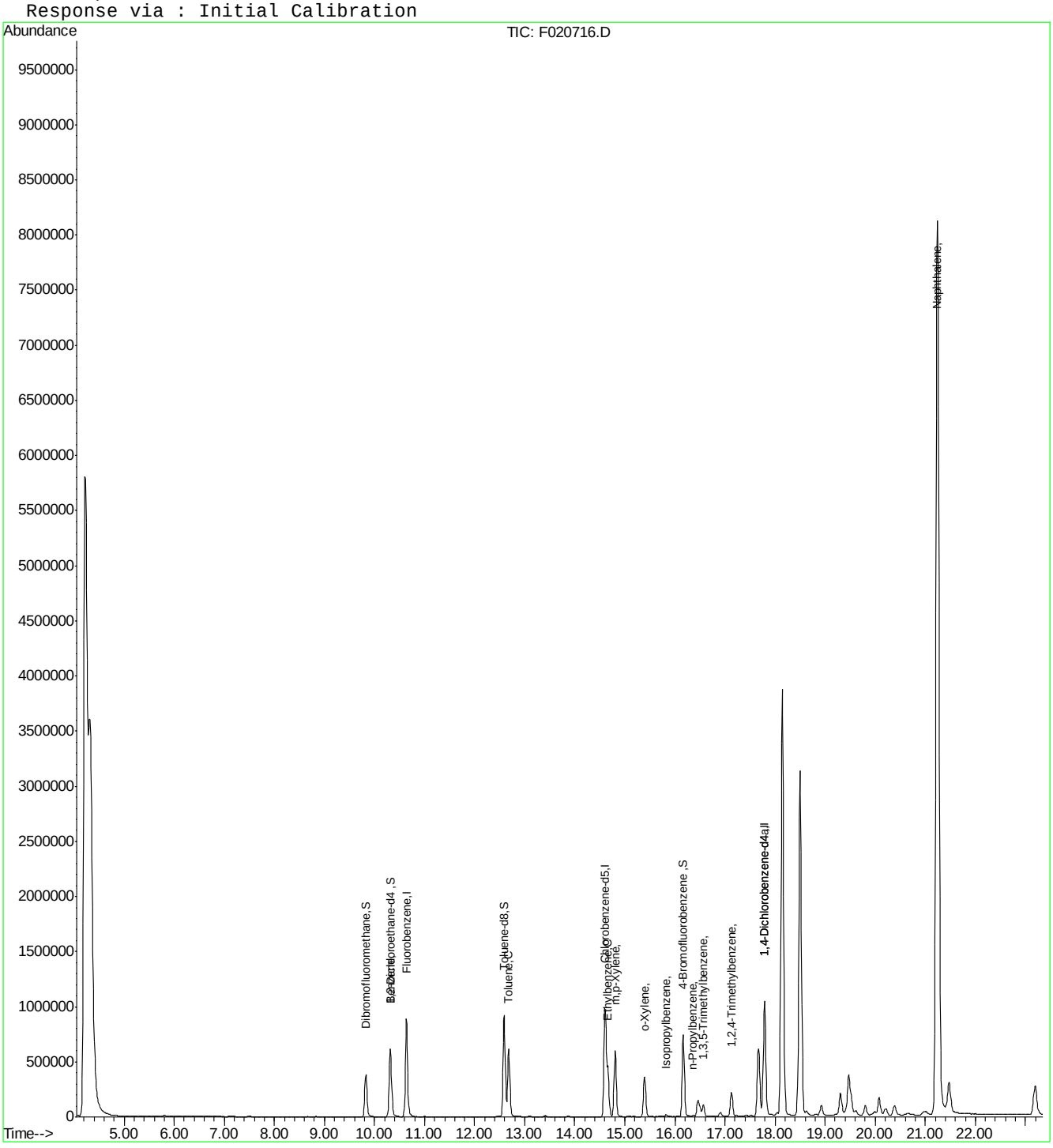
Target Compounds						Qvalue
46) Benzene	10.33	78	501736	23.39	ug/L	99
63) Toluene	12.68	91	748461	27.12	ug/L	97
75) Ethylbenzene	14.66	91	557866	16.23	ug/L	100
76) m,p-Xylene	14.81	91	669890	25.33	ug/L	96
77) o-Xylene	15.40	91	409439	14.88	ug/L	95
81) Isopropylbenzene	15.82	105	20015	0.79	ug/L	96
88) n-Propylbenzene	16.37	91	11268	0.32	ug/L	96
91) 1,3,5-Trimethylbenzene	16.57	105	104981	4.57	ug/L	98
100) 1,2,4-Trimethylbenzene	17.13	105	239419	9.76	ug/L	97
105) Naphthalene	21.24	128	16634524	1804.75	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

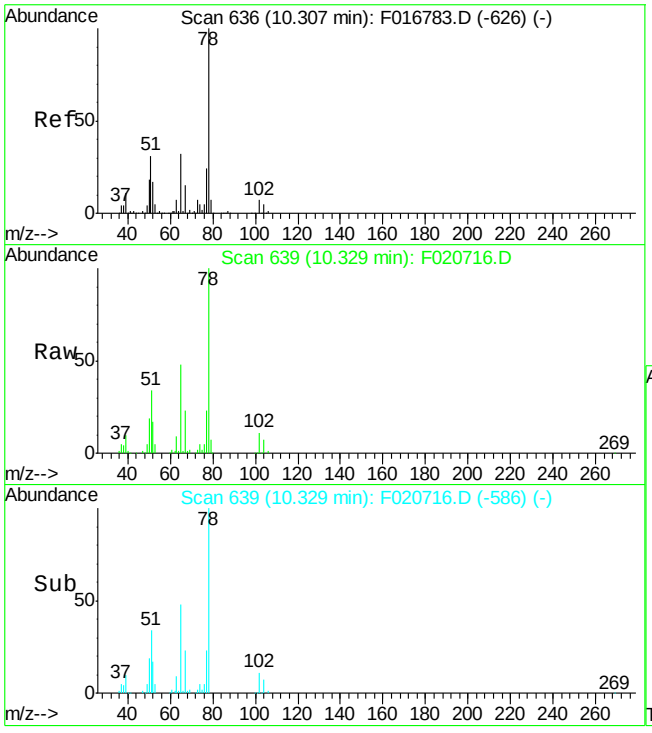
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3599\F020716.D Vial: 18
Acq On : 13 Oct 2009 5:41 pm Operator: AnjanaP
Sample : t39513-7 Inst : GC/MS F
Misc : ms7105,vf3599,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 13:23 2009 Quant Results File: VF3547AP9G.RES

Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration



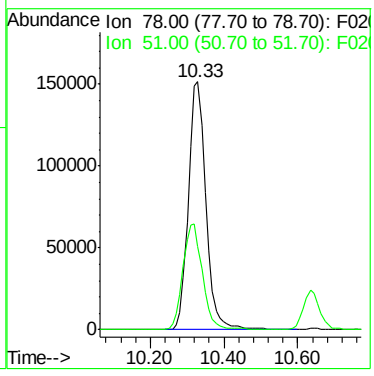
ACCUTEST Laboratories T39513

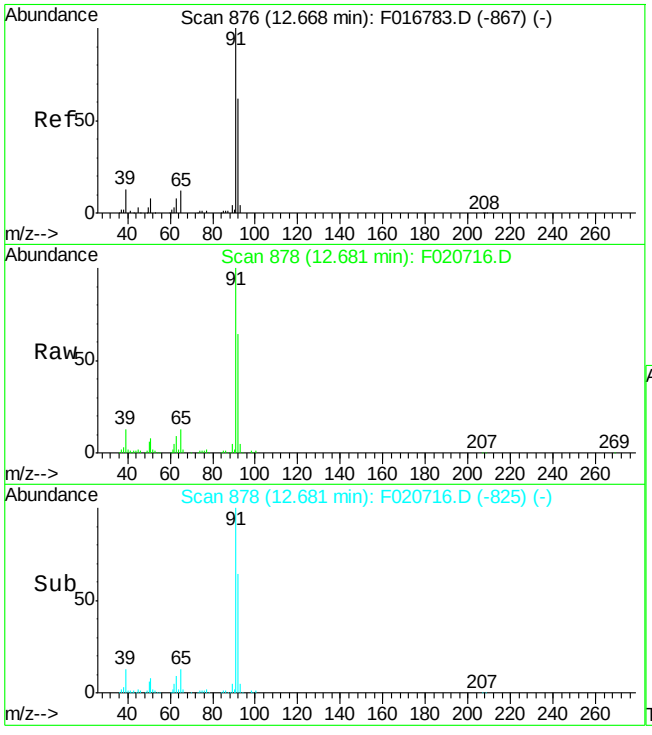


#46
Benzene
Concen: 23.39 ug/L
RT: 10.33 min Scan# 639
Delta R.T. 0.02 min
Lab File: F020716.D
Acq: 13 Oct 2009 5:41 pm

Tgt Ion: 78 Resp: 501736

Ion	Ratio	Lower	Upper
78	100		
51	33.6	4.0	64.0

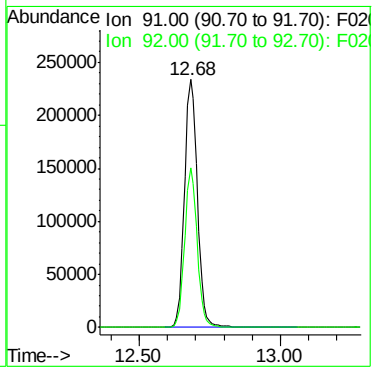


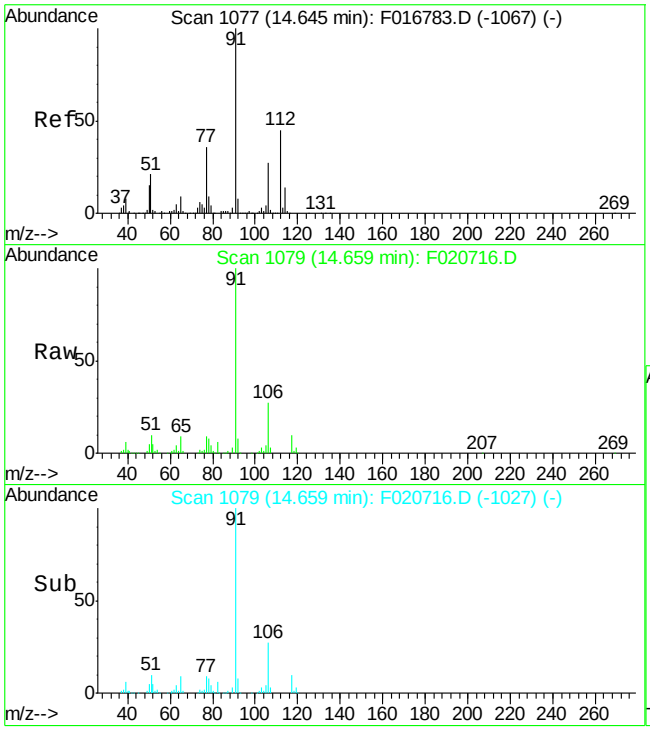


#63
Toluene
Concen: 27.12 ug/L
RT: 12.68 min Scan# 878
Delta R.T. 0.02 min
Lab File: F020716.D
Acq: 13 Oct 2009 5:41 pm

Tgt Ion: 91 Resp: 748461

Ion	Ratio	Lower	Upper
91	100		
92	64.2	31.7	91.7

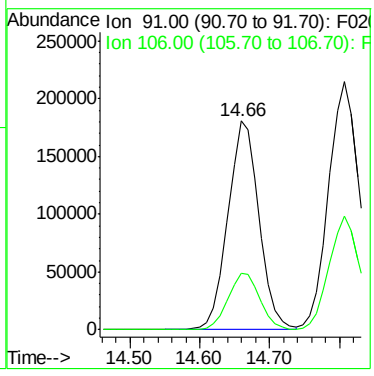


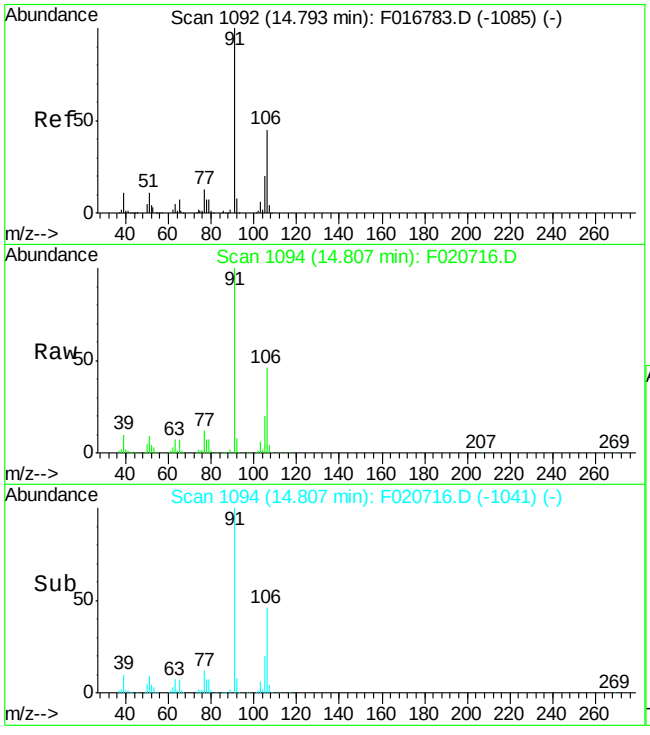


#75
Ethylbenzene
Concen: 16.23 ug/L
RT: 14.66 min Scan# 1079
Delta R.T. 0.01 min
Lab File: F020716.D
Acq: 13 Oct 2009 5:41 pm

Tgt Ion: 91 Resp: 557866

Ion	Ratio	Lower	Upper
91	100		
106	27.2	0.0	57.1

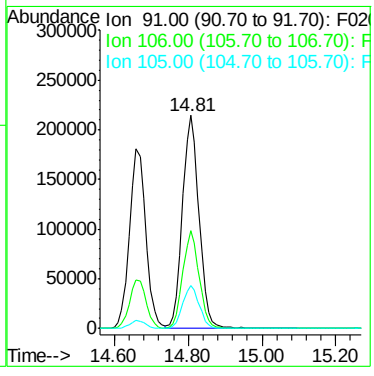


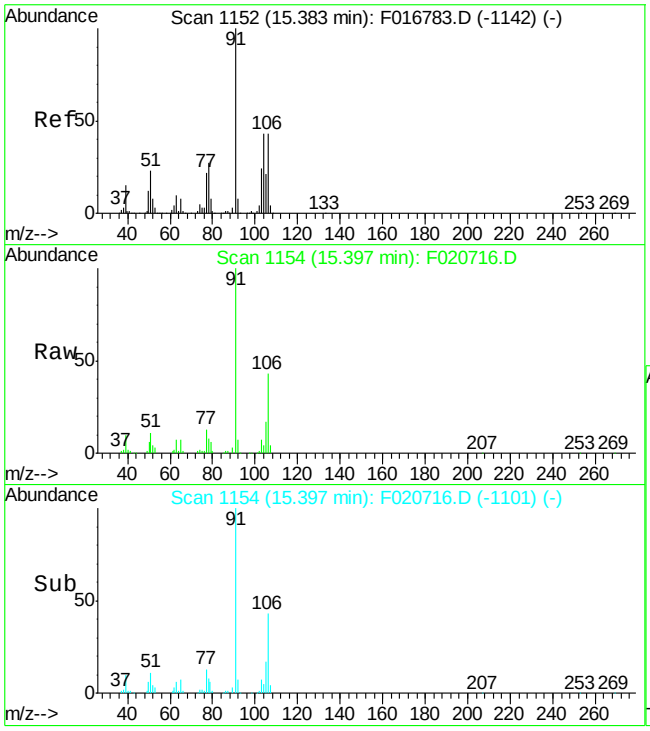


#76
m,p-Xylene
Concen: 25.33 ug/L
RT: 14.81 min Scan# 1094
Delta R.T. 0.02 min
Lab File: F020716.D
Acq: 13 Oct 2009 5:41 pm

Tgt Ion: 91 Resp: 669890

Ion	Ratio	Lower	Upper
91	100		
106	46.0	12.4	72.4
105	20.0	0.0	49.8

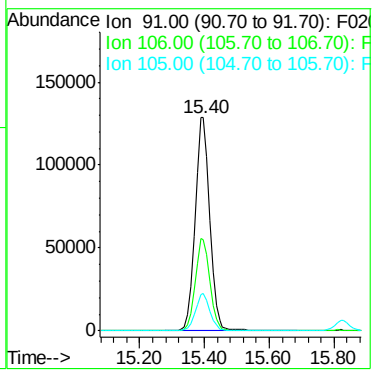


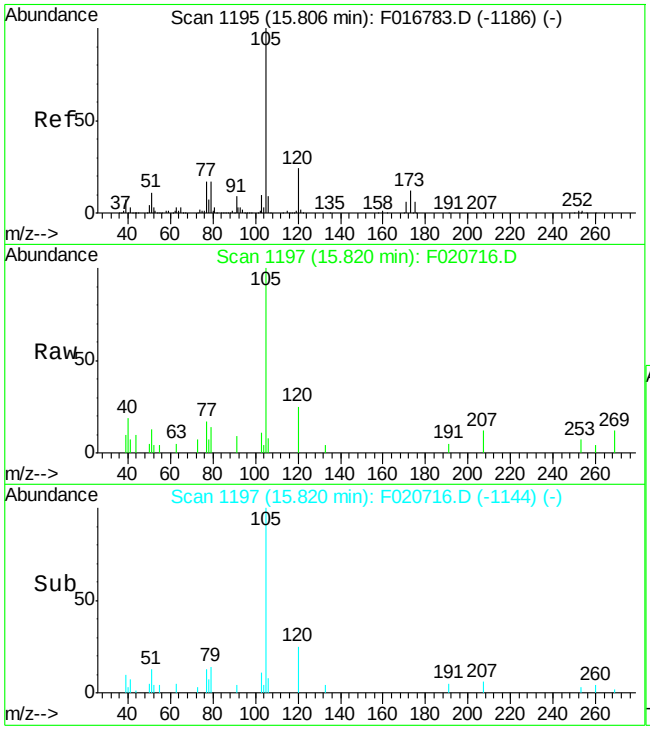


#77
o-Xylene
Concen: 14.88 ug/L
RT: 15.40 min Scan# 1154
Delta R.T. 0.02 min
Lab File: F020716.D
Acq: 13 Oct 2009 5:41 pm

Tgt Ion: 91 Resp: 409439

Ion	Ratio	Lower	Upper
91	100		
106	43.0	9.6	69.6
105	17.5	0.0	49.9

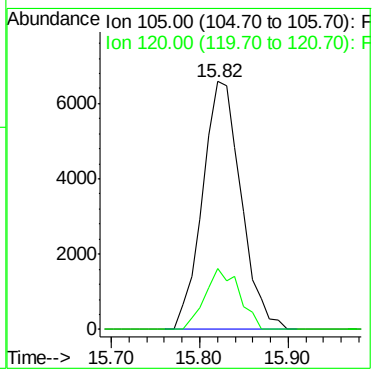


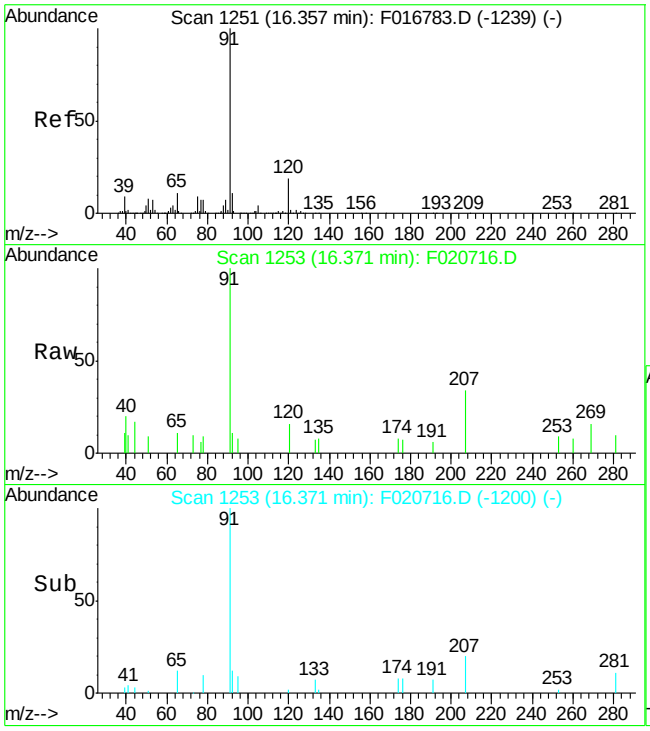


#81
Isopropylbenzene
Concen: 0.79 ug/L
RT: 15.82 min Scan# 1197
Delta R.T. 0.02 min
Lab File: F020716.D
Acq: 13 Oct 2009 5:41 pm

Tgt Ion:105 Resp: 20015

Ion	Ratio	Lower	Upper
105	100		
120	24.6	0.0	52.8

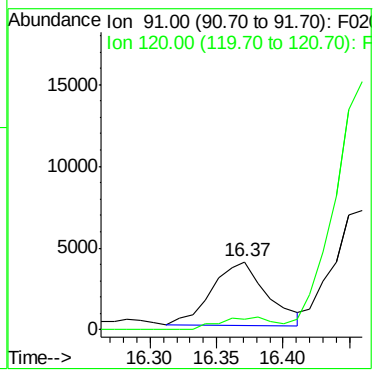


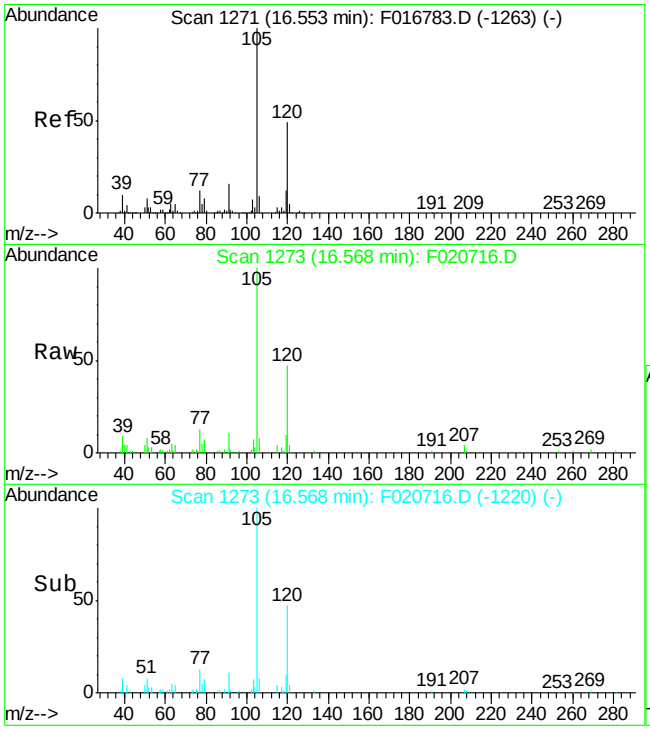


#88
n-Propylbenzene
Concen: 0.32 ug/L
RT: 16.37 min Scan# 1253
Delta R.T. 0.02 min
Lab File: F020716.D
Acq: 13 Oct 2009 5:41 pm

Tgt Ion: 91 Resp: 11268

Ion	Ratio	Lower	Upper
91	100		
120	17.3	0.0	49.3

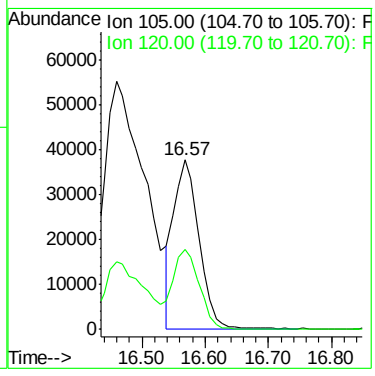


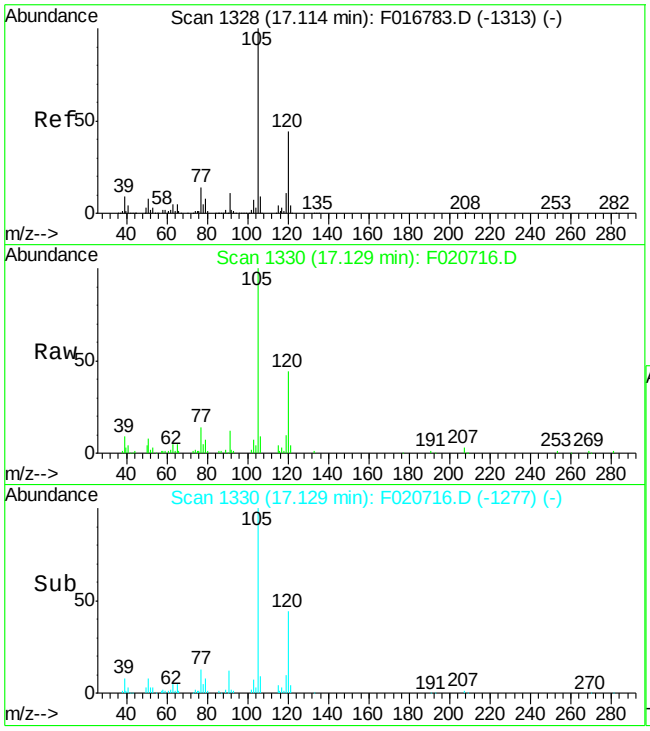


#91
1,3,5-Trimethylbenzene
Concen: 4.57 ug/L
RT: 16.57 min Scan# 1273
Delta R.T. 0.02 min
Lab File: F020716.D
Acq: 13 Oct 2009 5:41 pm

Tgt Ion:105 Resp: 104981

Ion	Ratio	Lower	Upper
105	100		
120	47.0	15.7	75.7

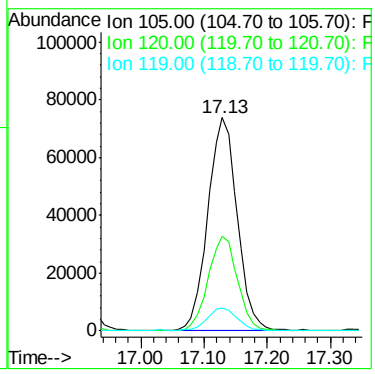


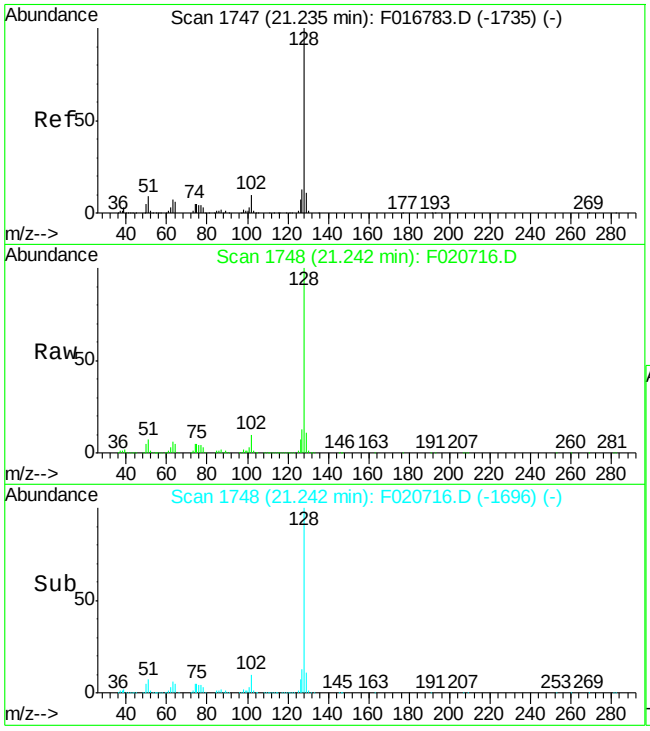


#100
1,2,4-Trimethylbenzene
Concen: 9.76 ug/L
RT: 17.13 min Scan# 1330
Delta R.T. 0.02 min
Lab File: F020716.D
Acq: 13 Oct 2009 5:41 pm

Tgt Ion:105 Resp: 239419

Ion	Ratio	Lower	Upper
105	100		
120	44.4	12.2	72.2
119	10.1	0.0	40.6

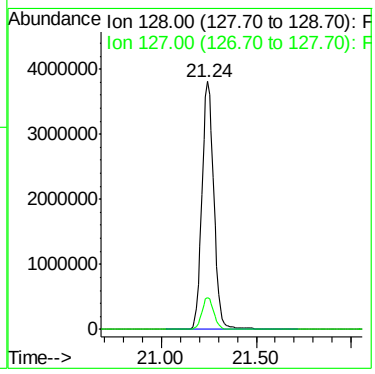




#105
Naphthalene
Concen: 1804.75 ug/L
RT: 21.24 min Scan# 1748
Delta R.T. 0.01 min
Lab File: F020716.D
Acq: 13 Oct 2009 5:41 pm

Tgt Ion:128 Resp:16634524

Ion	Ratio	Lower	Upper
128	100		
127	13.0	0.0	42.5



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0175\
Data File : C0004006.D
Acq On : 14 Oct 2009 9:28 pm
Operator : AnjanaP
Sample : t39513-8,100x
Misc : ms7105,VC0175,5,,,5,100,WATER
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 15 10:53:43 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:49:21 2009
Response via : Initial Calibration

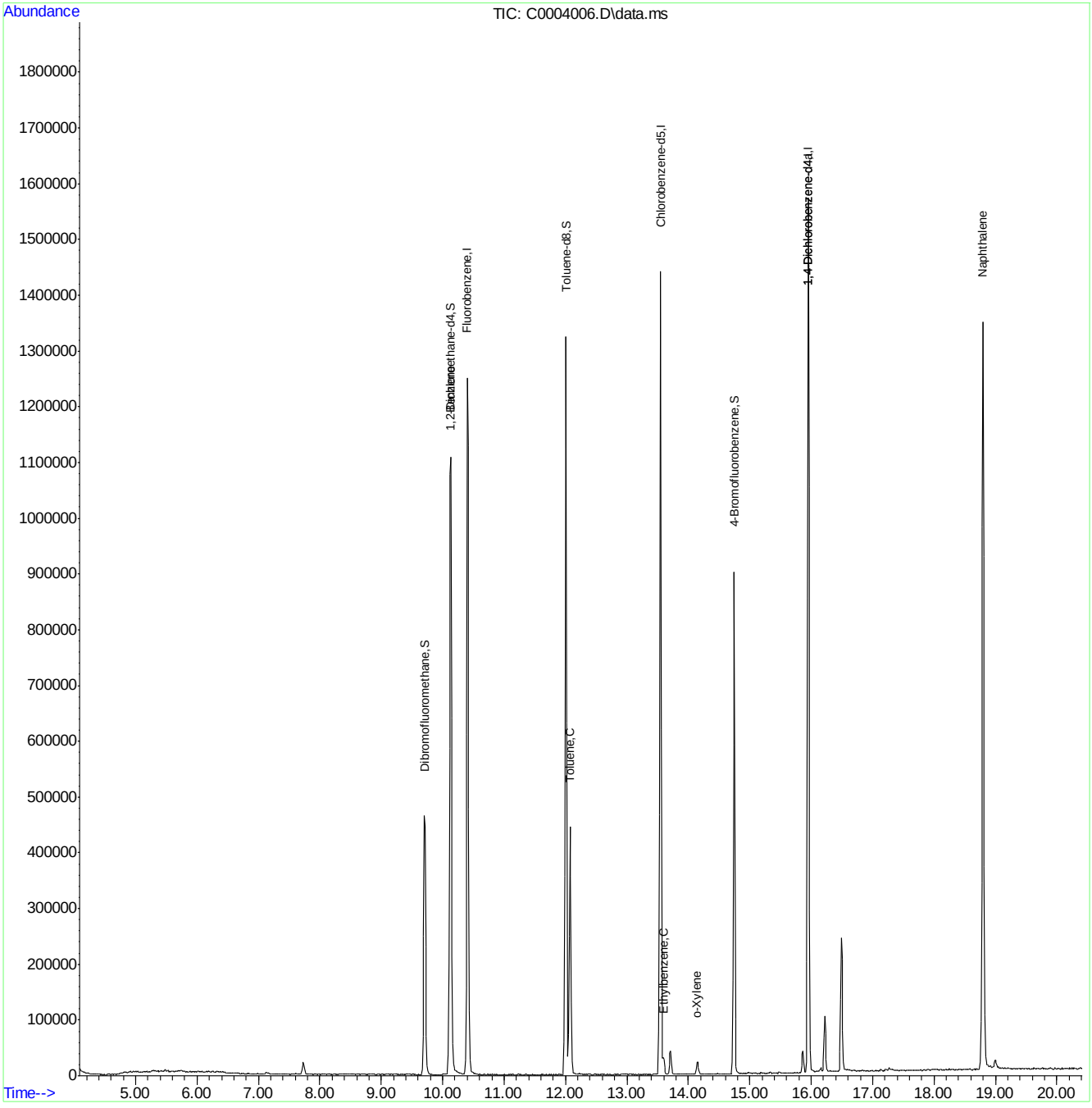
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.403	96	1226608	50.00	ug/kg	0.00
53) Chlorobenzene-d5	13.549	117	949701	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	15.953	152	477881	50.00	ug/kg	0.00
96) 1,4-Dichlorobenzene-d4a	15.953	152	477881	50.00	ug/kg	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	9.702	113	308880	49.47	ug/l	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 98.94%			
39) 1,2-Dichloroethane-d4	10.122	65	339847	50.29	ug/l	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 100.58%			
54) Toluene-d8	12.008	98	932984	47.60	ug/l	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 95.20%			
74) 4-Bromofluorobenzene	14.746	95	293850	39.65	ug/l	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 79.30%#			
Target Compounds						Qvalue
40) Benzene	10.133	78	796180	32.76	ug/l	93
55) Toluene	12.073	91	351843	13.79	ug/l	98
66) Ethylbenzene	13.593	91	21197	0.89	ug/l	96
68) o-Xylene	14.142	91	13304	1.36	ug/l	92
94) Naphthalene	18.798	128	1389078	104.53	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

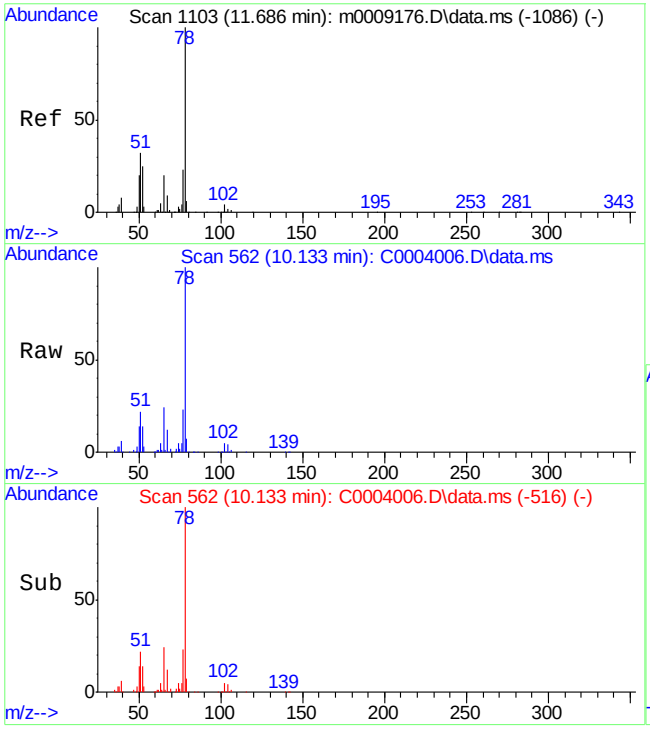
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0175\
Data File : C0004006.D
Acq On : 14 Oct 2009 9:28 pm
Operator : AnjanaP
Sample : t39513-8,100x
Misc : ms7105,VC0175,5,,,5,100,WATER
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 15 10:53:43 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:49:21 2009
Response via : Initial Calibration



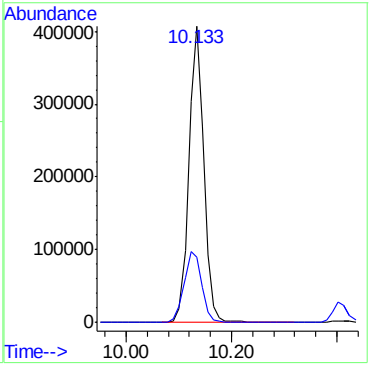
VC168.m Thu Oct 15 11:15:04 2009 Page: 2

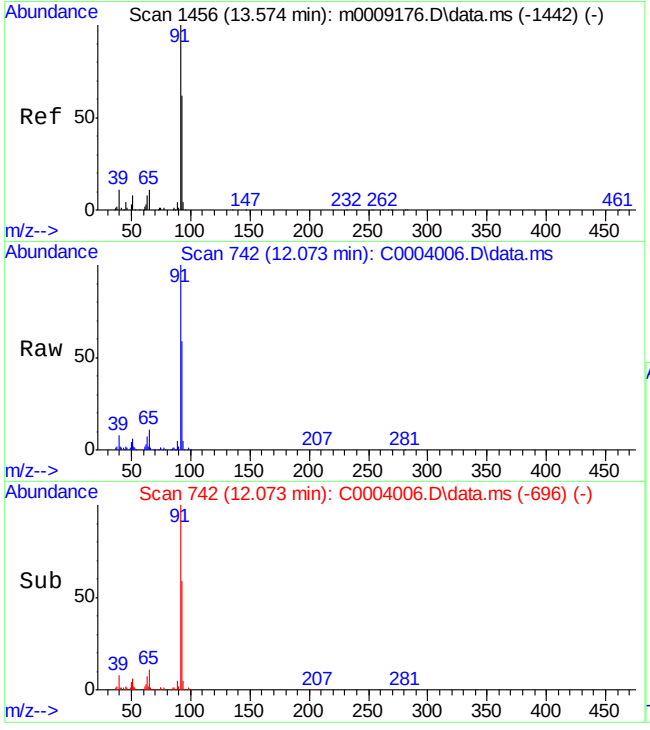


#40
Benzene
Concen: 32.76 ug/l
RT: 10.133 min Scan# 562
Delta R.T. 0.000 min
Lab File: C0004006.D
Acq: 14 Oct 2009 9:28 pm

Tgt Ion: 78 Resp: 796180

Ion	Ratio	Lower	Upper
78	100		
51	22.0	0.0	48.7

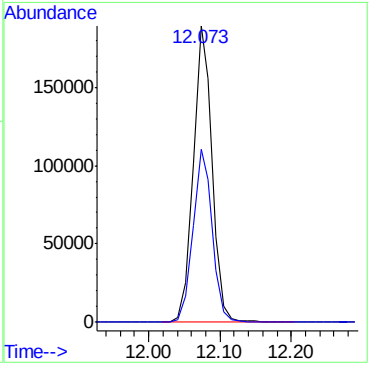


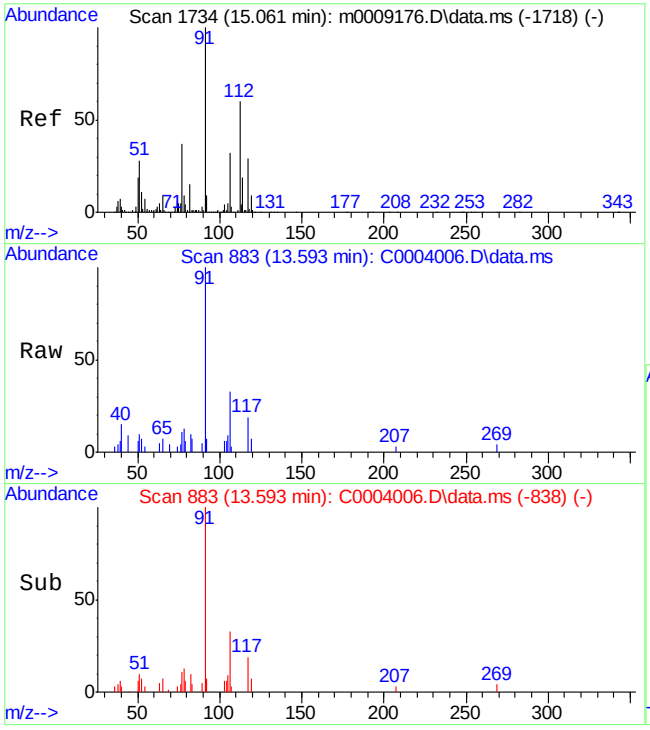


#55
Toluene
Concen: 13.79 ug/l
RT: 12.073 min Scan# 742
Delta R.T. -0.000 min
Lab File: C0004006.D
Acq: 14 Oct 2009 9:28 pm

Tgt Ion: 91 Resp: 351843

Ion	Ratio	Lower	Upper
91	100		
92	58.5	29.8	89.8

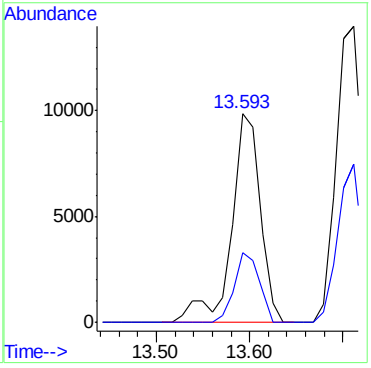


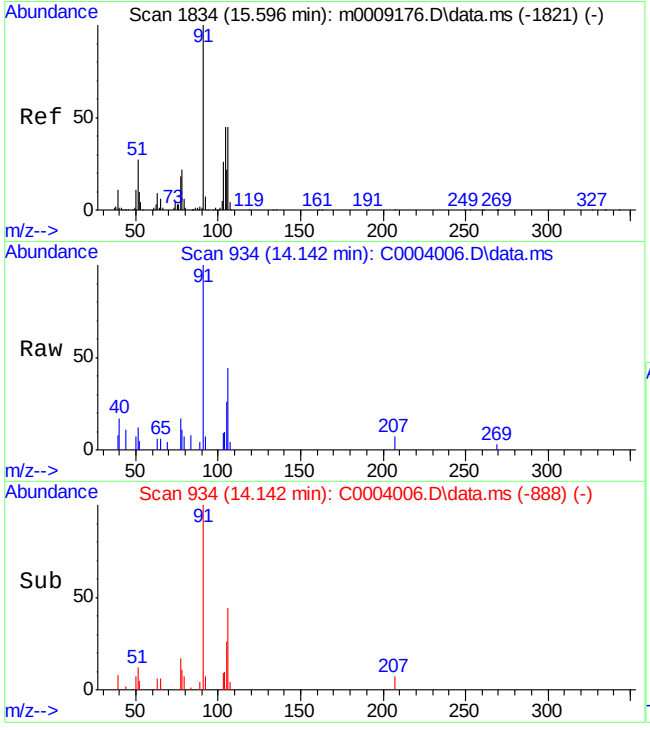


#66
Ethylbenzene
Concen: 0.89 ug/l
RT: 13.593 min Scan# 883
Delta R.T. -0.010 min
Lab File: C0004006.D
Acq: 14 Oct 2009 9:28 pm

Tgt Ion: 91 Resp: 21197

Ion	Ratio	Lower	Upper
91	100		
106	33.5	1.5	61.5

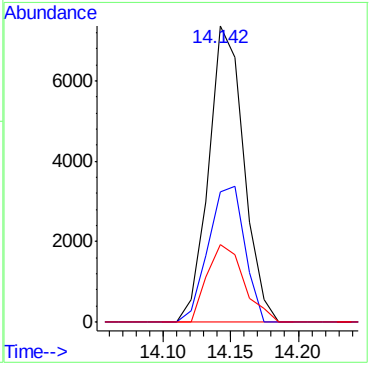


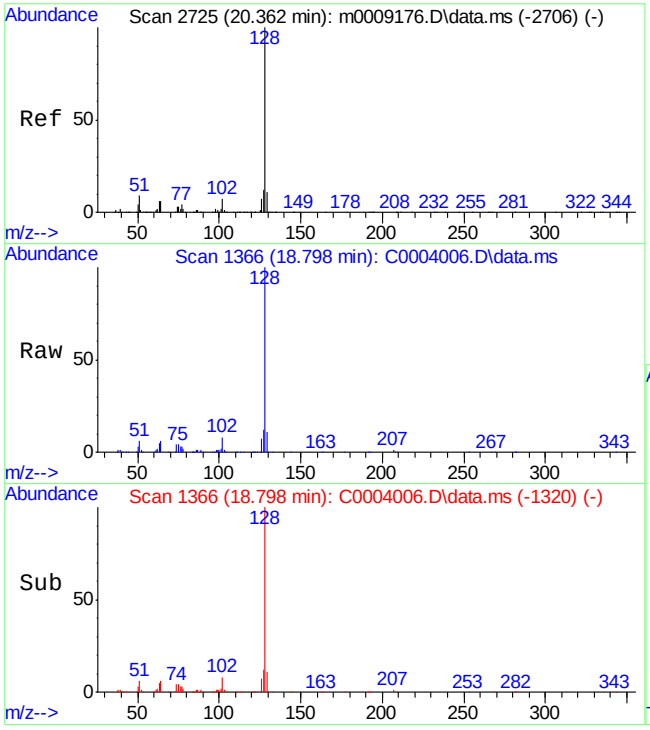


#68
o-Xylene
Concen: 1.36 ug/l
RT: 14.142 min Scan# 934
Delta R.T. -0.000 min
Lab File: C0004006.D
Acq: 14 Oct 2009 9:28 pm

Tgt Ion: 91 Resp: 13304

Ion	Ratio	Lower	Upper
91	100		
106	44.0	18.4	78.4
105	26.0	0.0	50.6

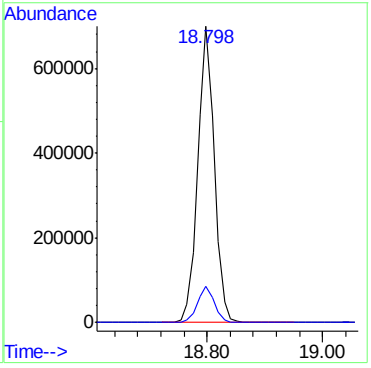




#94
Naphthalene
Concen: 104.53 ug/l
RT: 18.798 min Scan# 1366
Delta R.T. -0.000 min
Lab File: C0004006.D
Acq: 14 Oct 2009 9:28 pm

Tgt Ion:128 Resp: 1389078

Ion	Ratio	Lower	Upper
128	100		
127	12.3	0.0	42.3



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3599\F020717.D Vial: 19
Acq On : 13 Oct 2009 6:11 pm Operator: AnjanaP
Sample : t39513-8 Inst : GC/MS F
Misc : ms7105,vf3599,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 12:02:48 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.63	96	1288277	50.00	ug/L	0.00
61) Chlorobenzene-d5	14.61	117	1035076	50.00	ug/L	0.02
80) 1,4-Dichlorobenzene-d4	17.79	152	526938	50.00	ug/L	0.02
107) 1,4-Dichlorobenzene-d4a	17.79	152	526938	50.00	ug/kg	0.02

System Monitoring Compounds

39) Dibromofluoromethane	9.82	113	360445	47.19	ug/L	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 94.38%			
45) 1,2-Dichloroethane-d4	10.30	65	396902	40.54	ug/L	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 81.08%			
62) Toluene-d8	12.59	98	1062876	43.68	ug/L	0.02
Spiked Amount 50.000	Range 87 - 119		Recovery = 87.36%			
83) 4-Bromofluorobenzene	16.16	95	464100	46.60	ug/L	0.02
Spiked Amount 50.000	Range 80 - 133		Recovery = 93.20%			

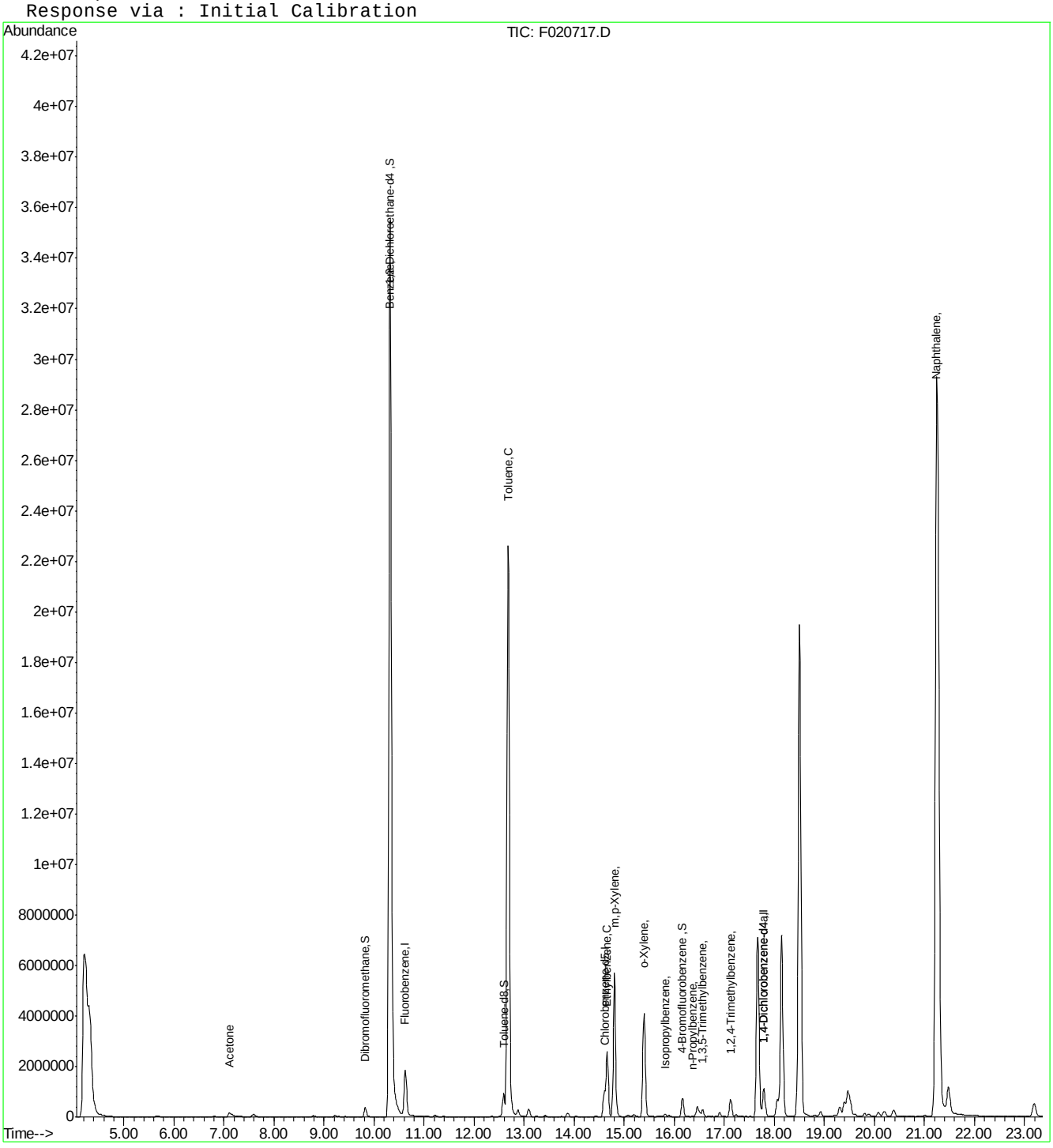
Target Compounds						Qvalue
12) Acetone	7.11	43	456713	275.43	ug/L	91
46) Benzene	10.31	78	36849298	1743.25	ug/L	63
63) Toluene	12.68	91	27461791	989.22	ug/L #	56
75) Ethylbenzene	14.66	91	3469290	100.36	ug/L	98
76) m,p-Xylene	14.80	91	6411273	241.01	ug/L	96
77) o-Xylene	15.39	91	3791098	137.00	ug/L	96
81) Isopropylbenzene	15.83	105	102284	4.29	ug/L	95
88) n-Propylbenzene	16.37	91	56717	1.73	ug/L	99
91) 1,3,5-Trimethylbenzene	16.56	105	279355	12.91	ug/L	98
100) 1,2,4-Trimethylbenzene	17.13	105	760796	32.89	ug/L	98
105) Naphthalene	21.23	128	47699648	5492.05	ug/L	56

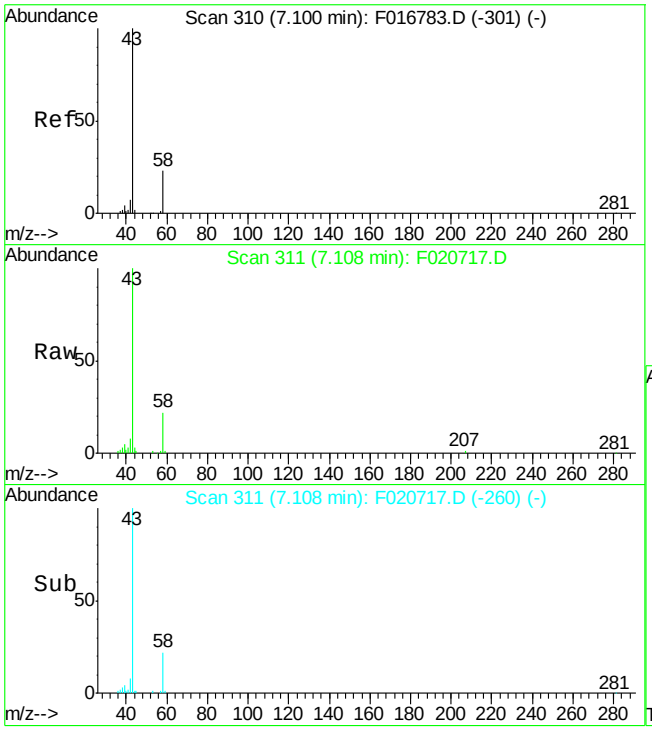
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3599\F020717.D Vial: 19
Acq On : 13 Oct 2009 6:11 pm Operator: AnjanaP
Sample : t39513-8 Inst : GC/MS F
Misc : ms7105,vf3599,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 13:25 2009 Quant Results File: VF3547AP9G.RES

Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration

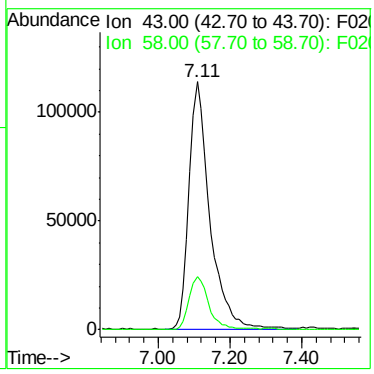


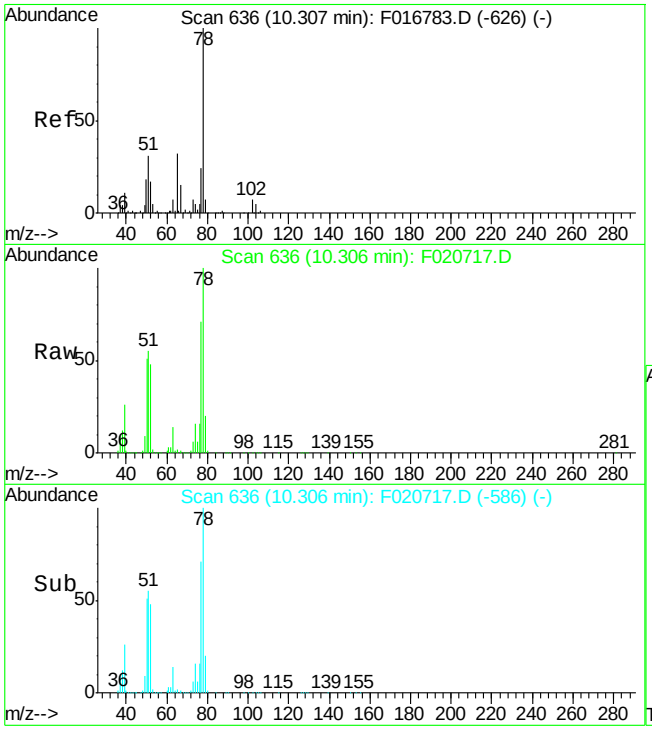


#12
Acetone
Concen: 275.43 ug/L
RT: 7.11 min Scan# 311
Delta R.T. 0.01 min
Lab File: F020717.D
Acq: 13 Oct 2009 6:11 pm

Tgt Ion: 43 Resp: 456713

Ion	Ratio	Lower	Upper
43	100		
58	21.6	0.0	47.7

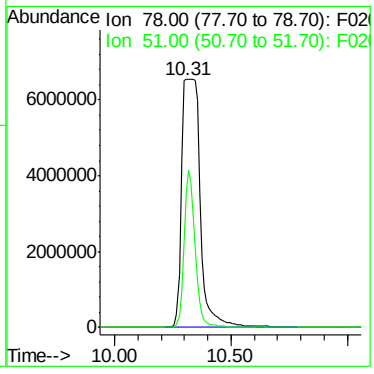


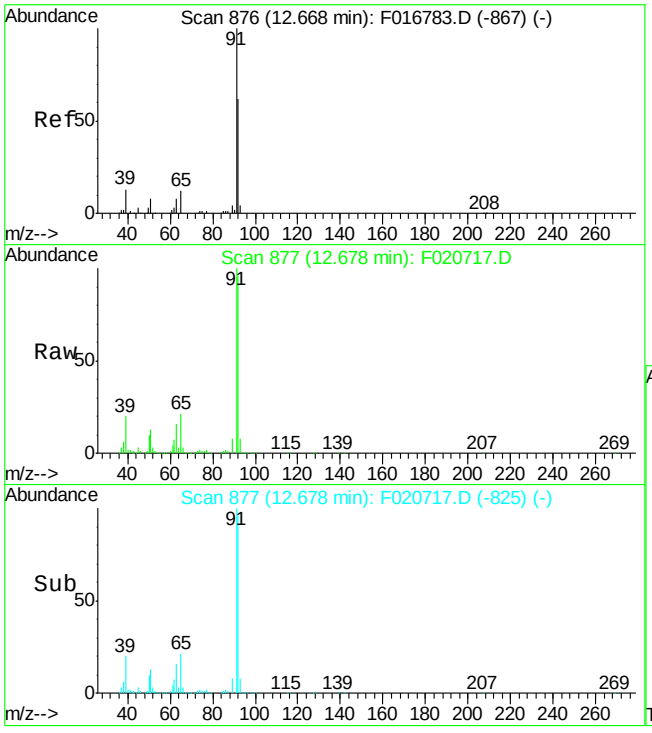


#46
Benzene
Concen: 1743.25 ug/L
RT: 10.31 min Scan# 636
Delta R.T. -0.00 min
Lab File: F020717.D
Acq: 13 Oct 2009 6:11 pm

Tgt Ion: 78 Resp:36849298

Ion	Ratio	Lower	Upper
78	100		
51	55.1	4.0	64.0

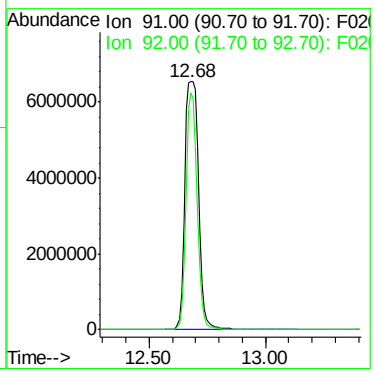


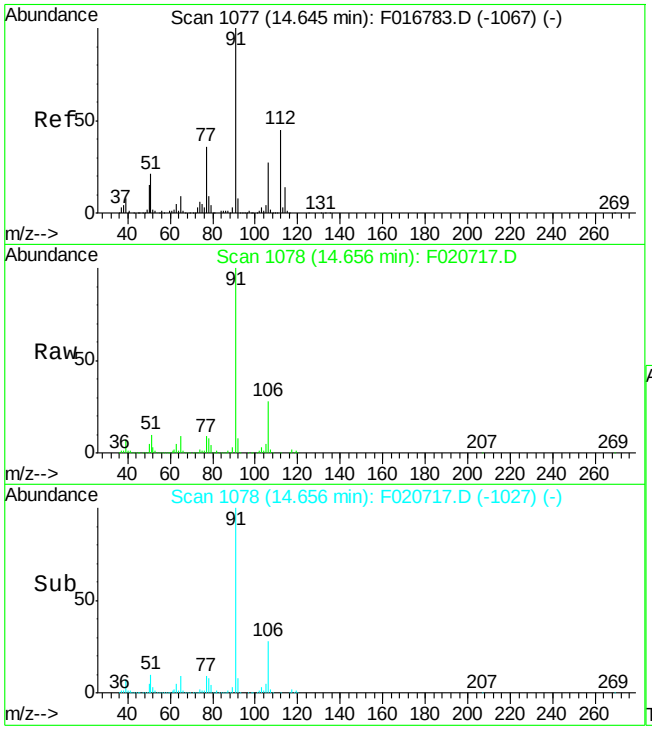


#63
Toluene
Concen: 989.22 ug/L
RT: 12.68 min Scan# 877
Delta R.T. 0.02 min
Lab File: F020717.D
Acq: 13 Oct 2009 6:11 pm

Tgt Ion: 91 Resp:27461791

Ion	Ratio	Lower	Upper
91	100		
92	95.7	31.7	91.7#

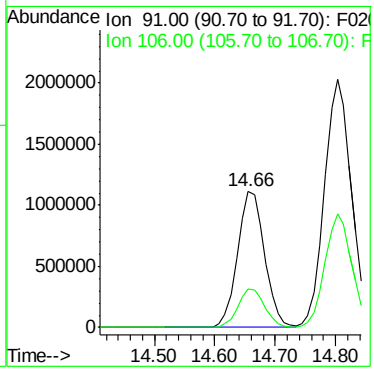


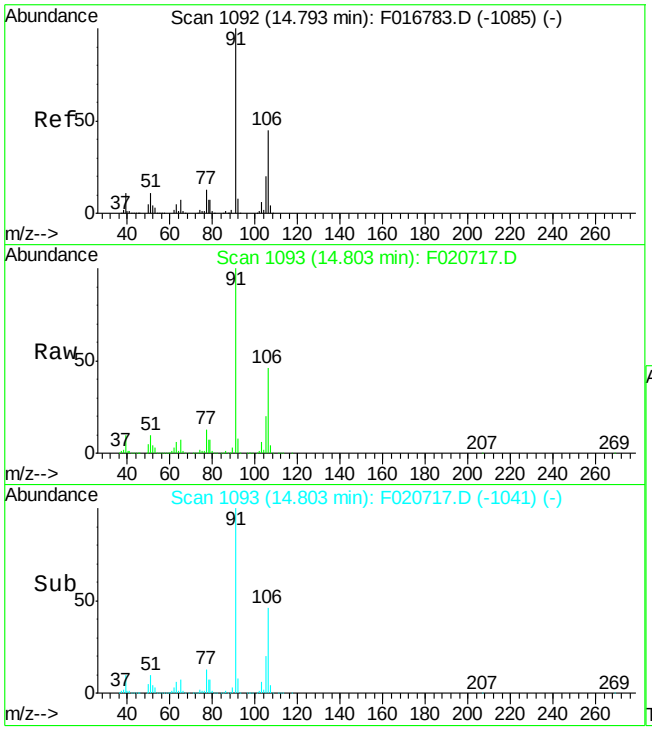


#75
Ethylbenzene
Concen: 100.36 ug/L
RT: 14.66 min Scan# 1078
Delta R.T. 0.01 min
Lab File: F020717.D
Acq: 13 Oct 2009 6:11 pm

Tgt Ion: 91 Resp: 3469290

Ion	Ratio	Lower	Upper
91	100		
106	28.2	0.0	57.1

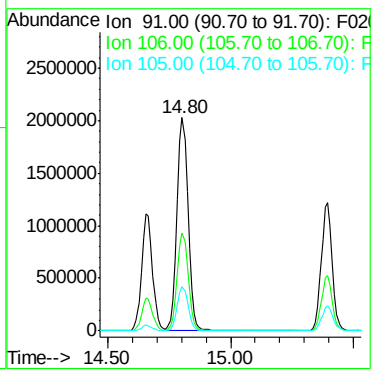


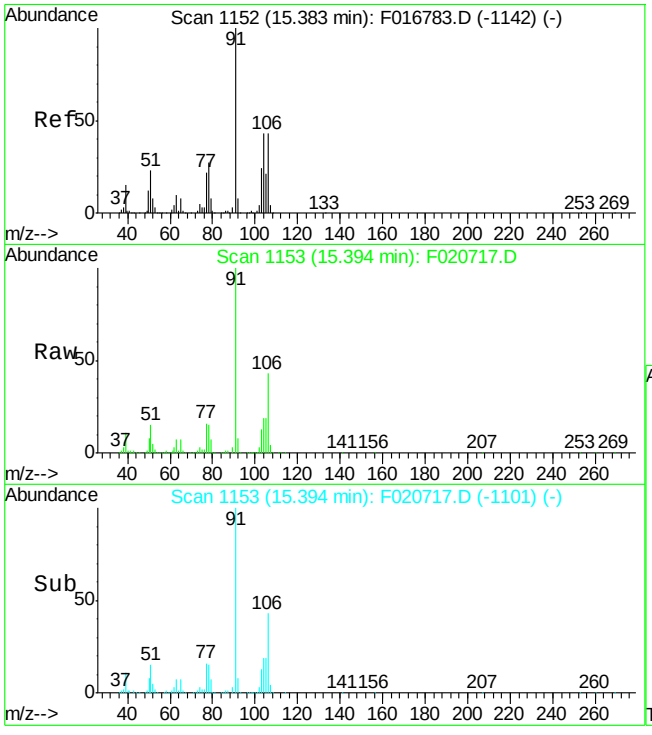


#76
m,p-Xylene
Concen: 241.01 ug/L
RT: 14.80 min Scan# 1093
Delta R.T. 0.02 min
Lab File: F020717.D
Acq: 13 Oct 2009 6:11 pm

Tgt Ion: 91 Resp: 6411273

Ion	Ratio	Lower	Upper
91	100		
106	45.7	12.4	72.4
105	20.5	0.0	49.8

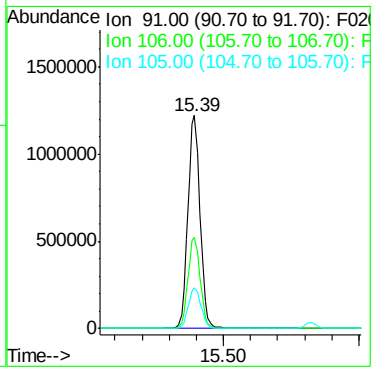


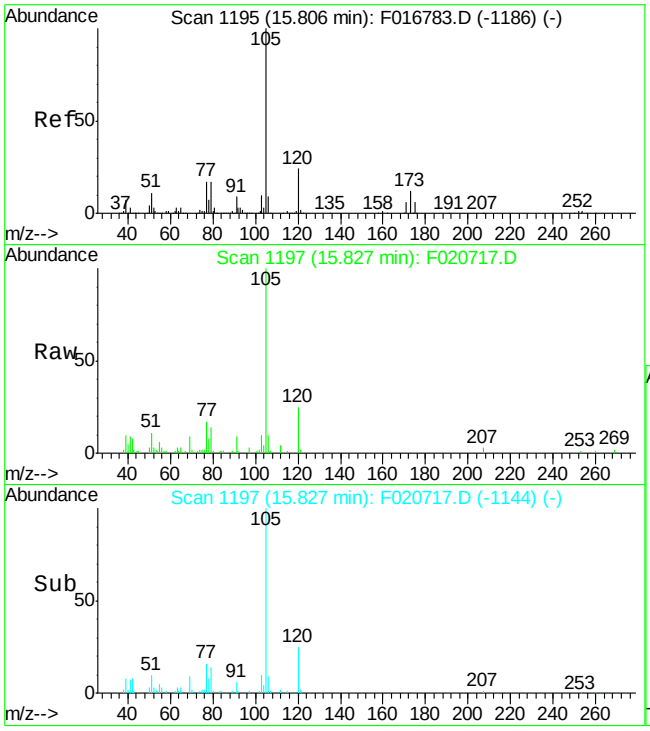


#77
o-Xylene
Concen: 137.00 ug/L
RT: 15.39 min Scan# 1153
Delta R.T. 0.02 min
Lab File: F020717.D
Acq: 13 Oct 2009 6:11 pm

Tgt Ion: 91 Resp: 3791098

Ion	Ratio	Lower	Upper
91	100		
106	42.8	9.6	69.6
105	19.1	0.0	49.9

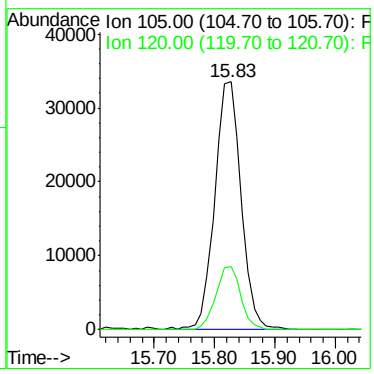


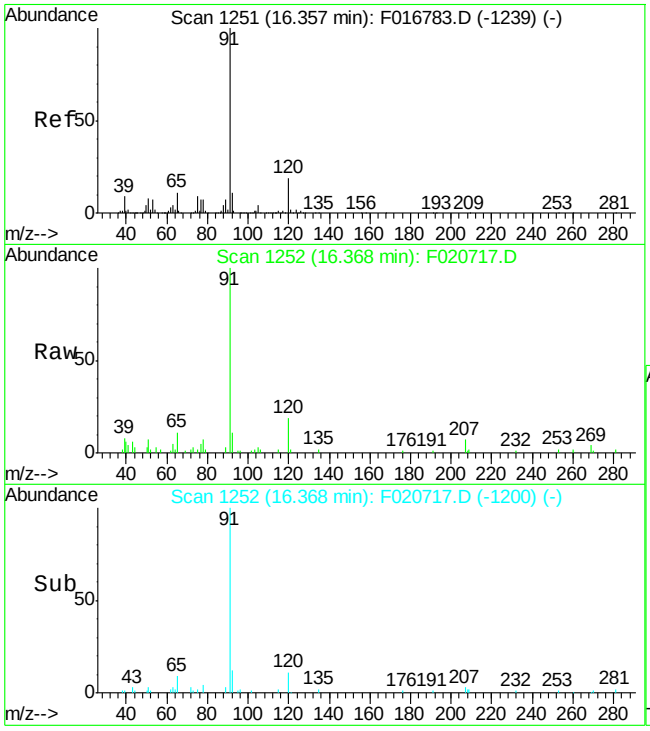


#81
Isopropylbenzene
Concen: 4.29 ug/L
RT: 15.83 min Scan# 1197
Delta R.T. 0.03 min
Lab File: F020717.D
Acq: 13 Oct 2009 6:11 pm

Tgt Ion:105 Resp: 102284

Ion	Ratio	Lower	Upper
105	100		
120	25.3	0.0	52.8

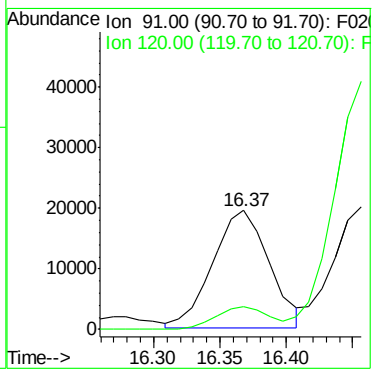


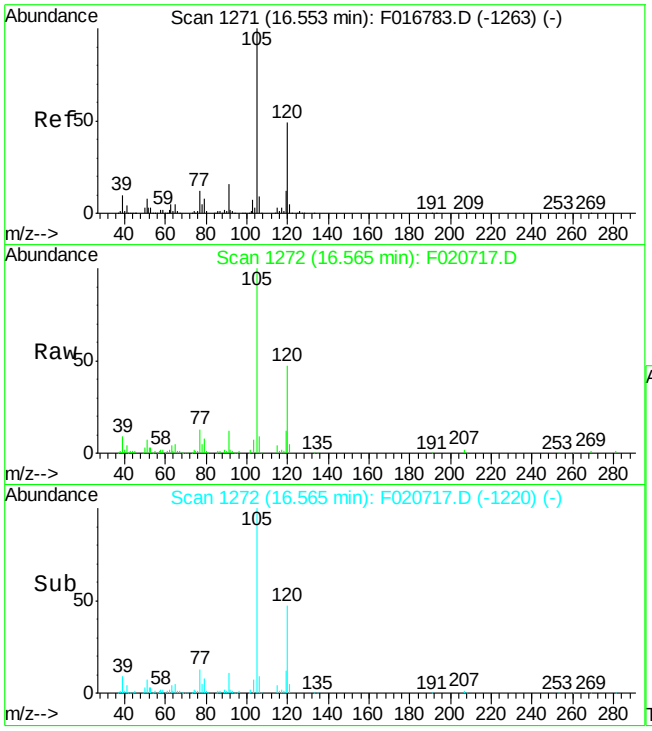


#88
n-Propylbenzene
Concen: 1.73 ug/L
RT: 16.37 min Scan# 1252
Delta R.T. 0.02 min
Lab File: F020717.D
Acq: 13 Oct 2009 6:11 pm

Tgt Ion: 91 Resp: 56717

Ion	Ratio	Lower	Upper
91	100		
120	19.8	0.0	49.3

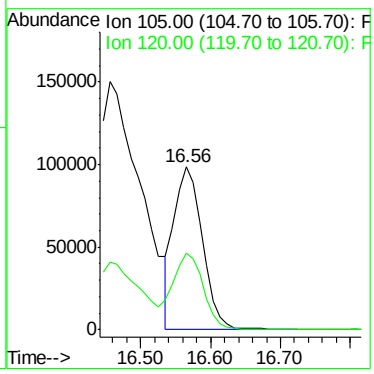


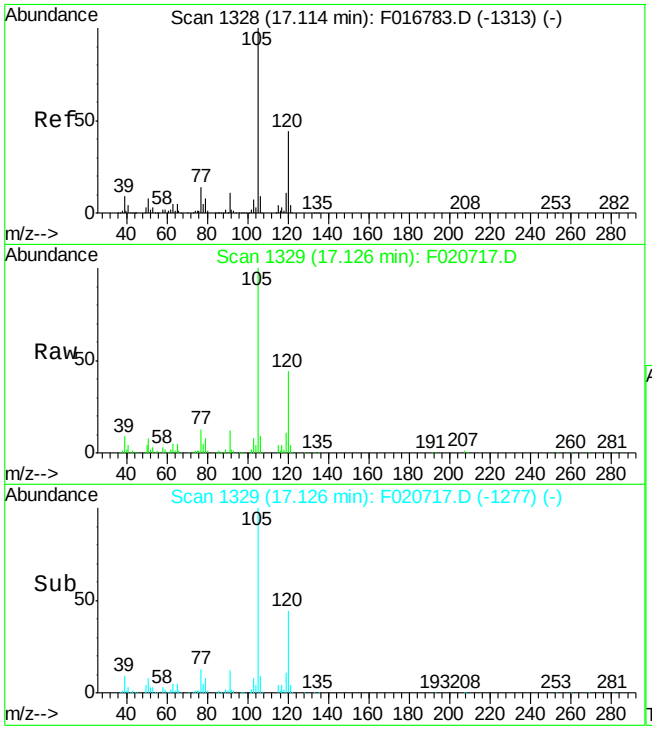


#91
1,3,5-Trimethylbenzene
Concen: 12.91 ug/L
RT: 16.56 min Scan# 1272
Delta R.T. 0.02 min
Lab File: F020717.D
Acq: 13 Oct 2009 6:11 pm

Tgt Ion:105 Resp: 279355

Ion	Ratio	Lower	Upper
105	100		
120	47.0	15.7	75.7

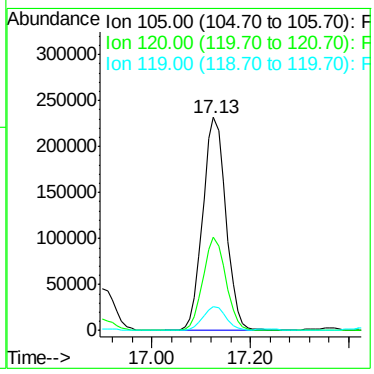


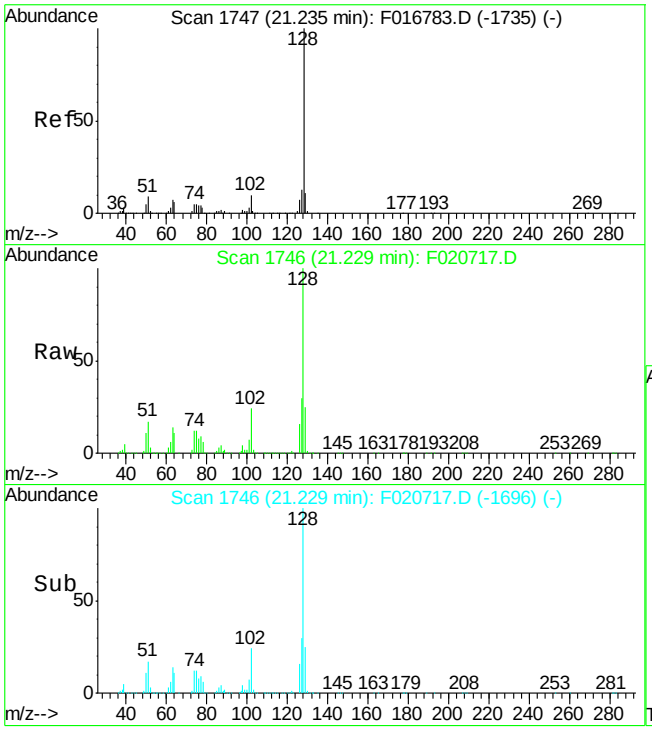


#100
1,2,4-Trimethylbenzene
Concen: 32.89 ug/L
RT: 17.13 min Scan# 1329
Delta R.T. 0.02 min
Lab File: F020717.D
Acq: 13 Oct 2009 6:11 pm

Tgt Ion:105 Resp: 760796

Ion	Ratio	Lower	Upper
105	100		
120	43.6	12.2	72.2
119	11.3	0.0	40.6

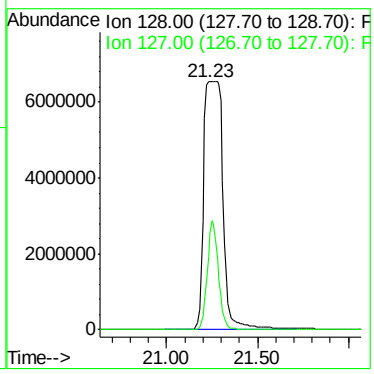




#105
Naphthalene
Concen: 5492.05 ug/L
RT: 21.23 min Scan# 1746
Delta R.T. -0.00 min
Lab File: F020717.D
Acq: 13 Oct 2009 6:11 pm

Tgt Ion:128 Resp:47699648

Ion	Ratio	Lower	Upper
128	100		
127	29.6	0.0	42.5



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3599\F020705.D Vial: 7
Acq On : 13 Oct 2009 12:11 pm Operator: AnjanaP
Sample : t39513-9 Inst : GC/MS F
Misc : ms7105,vf3599,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 12:02:34 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.62	96	906672	50.00	ug/L	0.00
61) Chlorobenzene-d5	14.58	117	702935	50.00	ug/L	0.00
80) 1,4-Dichlorobenzene-d4	17.78	152	394350	50.00	ug/L	0.00
107) 1,4-Dichlorobenzene-d4a	17.78	152	394350	50.00	ug/kg	0.00

System Monitoring Compounds

39) Dibromofluoromethane	9.80	113	266720	49.62	ug/L	-0.02
Spiked Amount 50.000	Range 79 - 122		Recovery = 99.24%			
45) 1,2-Dichloroethane-d4	10.28	65	332070	48.58	ug/L	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 97.16%			
62) Toluene-d8	12.56	98	725514	43.90	ug/L	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 87.80%			
83) 4-Bromofluorobenzene	16.15	95	338423	45.42	ug/L	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 90.84%			

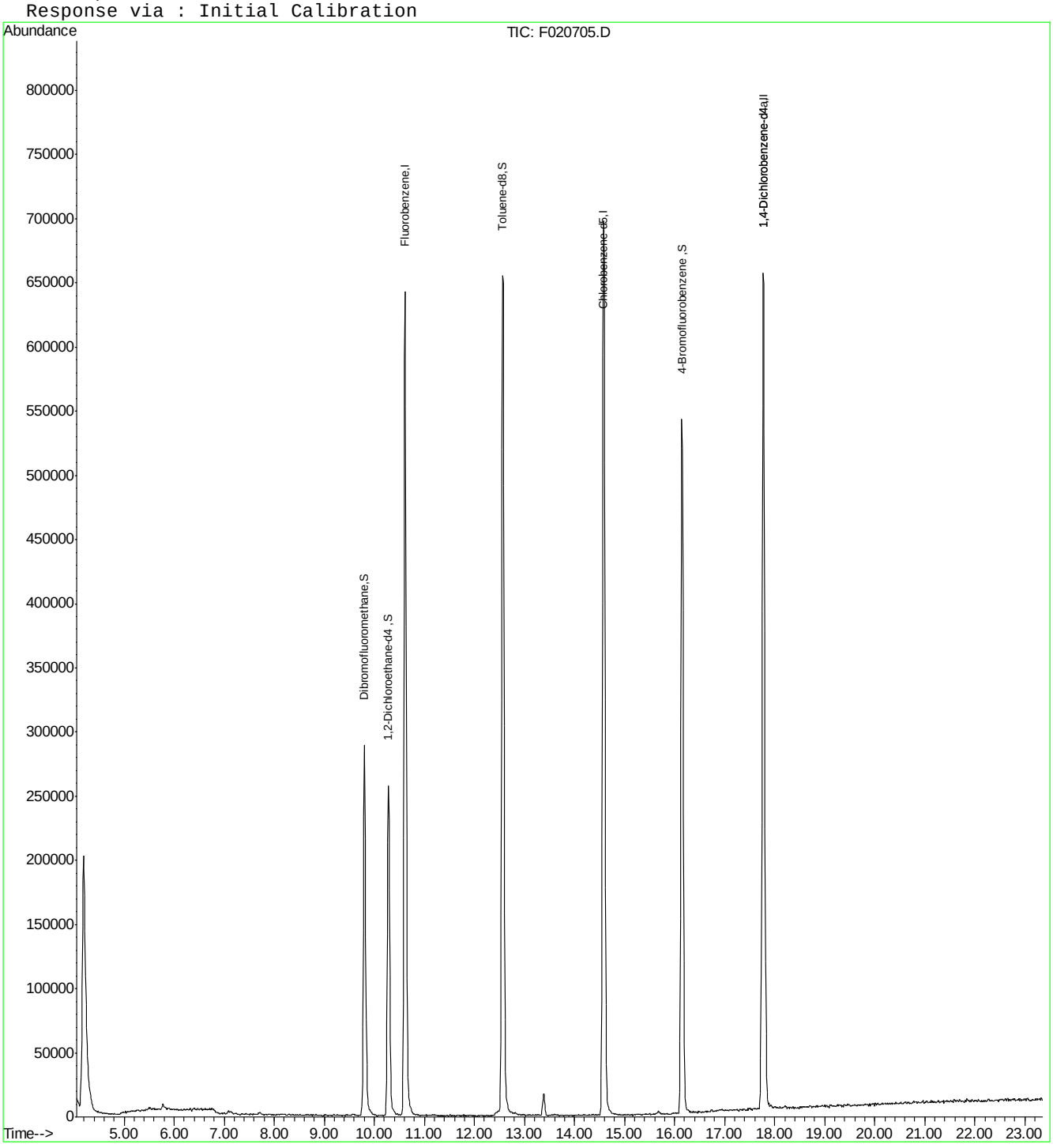
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3599\F020705.D Vial: 7
Acq On : 13 Oct 2009 12:11 pm Operator: AnjanaP
Sample : t39513-9 Inst : GC/MS F
Misc : ms7105,vf3599,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 13:12 2009 Quant Results File: VF3547AP9G.RES

Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration



F020705.D VF3547AP9G.M Wed Oct 14 13:33:34 2009 Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3599\F020704.D Vial: 6
Acq On : 13 Oct 2009 11:41 am Operator: AnjanaP
Sample : mb Inst : GC/MS F
Misc : ms7103,vf3599,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 12:02:34 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.62	96	870424	50.00	ug/L	0.00
61) Chlorobenzene-d5	14.58	117	692754	50.00	ug/L	0.00
80) 1,4-Dichlorobenzene-d4	17.77	152	391902	50.00	ug/L	0.00
107) 1,4-Dichlorobenzene-d4a	17.77	152	391902	50.00	ug/kg	0.00

System Monitoring Compounds

39) Dibromofluoromethane	9.80	113	258672	50.12	ug/L	-0.02
Spiked Amount 50.000	Range 79 - 122		Recovery = 100.24%			
45) 1,2-Dichloroethane-d4	10.28	65	323653	49.35	ug/L	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 98.70%			
62) Toluene-d8	12.56	98	711258	43.67	ug/L	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 87.34%			
83) 4-Bromofluorobenzene	16.15	95	333848	45.09	ug/L	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 90.18%			

Target Compounds Qvalue

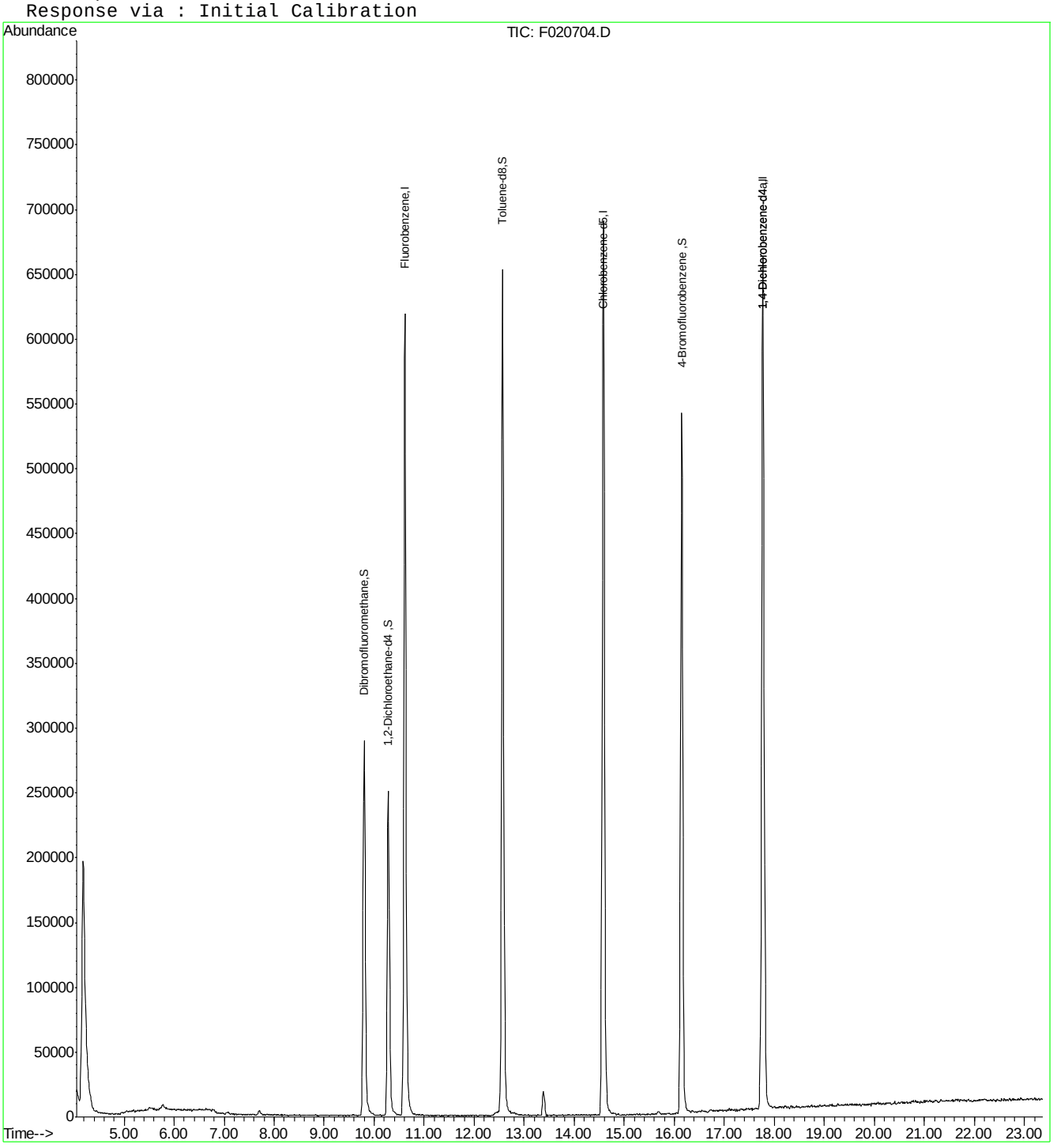
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ACCUTEST Laboratories T39513

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3599\F020704.D Vial: 6
Acq On : 13 Oct 2009 11:41 am Operator: AnjanaP
Sample : mb Inst : GC/MS F
Misc : ms7103,vf3599,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 12:03 2009 Quant Results File: VF3547AP9G.RES

Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration



ACCUTEST Laboratories T39513

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3601\F020751.D Vial: 6
Acq On : 14 Oct 2009 12:29 pm Operator: AnjanaP
Sample : mb Inst : GC/MS F
Misc : op13245,vf3601,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 15 08:52:13 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Wed Oct 14 13:44:25 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.64	96	1033332	50.00	ug/L	0.01
61) Chlorobenzene-d5	14.60	117	822597	50.00	ug/L	0.01
80) 1,4-Dichlorobenzene-d4	17.80	152	460325	50.00	ug/L	0.02
107) 1,4-Dichlorobenzene-d4a	17.80	152	460325	50.00	ug/kg	0.02

System Monitoring Compounds

39) Dibromofluoromethane	9.83	113	310290	50.65	ug/L	0.01
Spiked Amount 50.000	Range 79 - 122		Recovery = 101.30%			
45) 1,2-Dichloroethane-d4	10.31	65	383865	49.31	ug/L	0.02
Spiked Amount 50.000	Range 75 - 121		Recovery = 98.62%			
62) Toluene-d8	12.60	98	895320	46.99	ug/L	0.02
Spiked Amount 50.000	Range 87 - 119		Recovery = 93.98%			
83) 4-Bromofluorobenzene	16.17	95	388374	44.67	ug/L	0.02
Spiked Amount 50.000	Range 80 - 133		Recovery = 89.34%			

Target Compounds Qvalue

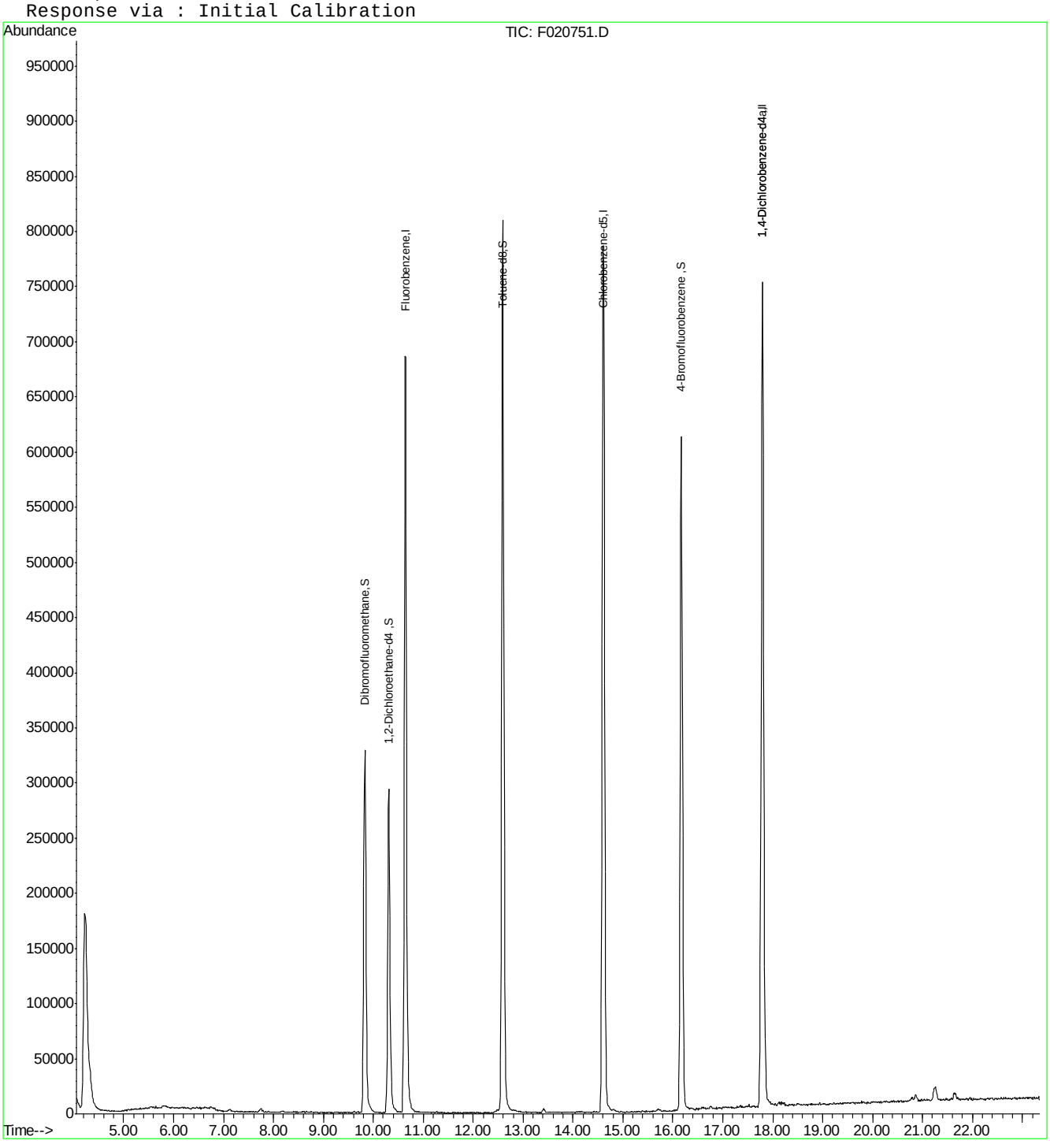
(#) = qualifier out of range (m) = manual integration (+) = signals summed
F020751.D VF3547AP9G.M Thu Oct 15 09:02:52 2009

ACCUTEST Laboratories T39513

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3601\F020751.D Vial: 6
Acq On : 14 Oct 2009 12:29 pm Operator: AnjanaP
Sample : mb Inst : GC/MS F
Misc : op13245,vf3601,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 15 8:53 2009 Quant Results File: VF3547AP9G.RES

Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Wed Oct 14 13:44:25 2009
Response via : Initial Calibration



ACCUTEST Laboratories T39513

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0175\
Data File : C0003988.D
Acq On : 14 Oct 2009 12:56 pm
Operator : AnjanaP
Sample : mb
Misc : ms7106,VC0176,5,,,5,,WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 15 10:15:57 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:49:21 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.403	96	1114379	50.00	ug/kg	0.00
53) Chlorobenzene-d5	13.550	117	919773	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	15.953	152	423247	50.00	ug/kg	0.00
96) 1,4-Dichlorobenzene-d4a	15.953	152	423247	50.00	ug/kg	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	9.702	113	309170	54.50	ug/l	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 109.00%			
39) 1,2-Dichloroethane-d4	10.123	65	330495	53.83	ug/l	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 107.66%			
54) Toluene-d8	12.008	98	884800	46.62	ug/l	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 93.24%			
74) 4-Bromofluorobenzene	14.746	95	270257	41.17	ug/l	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 82.34%			

Target Compounds Qvalue

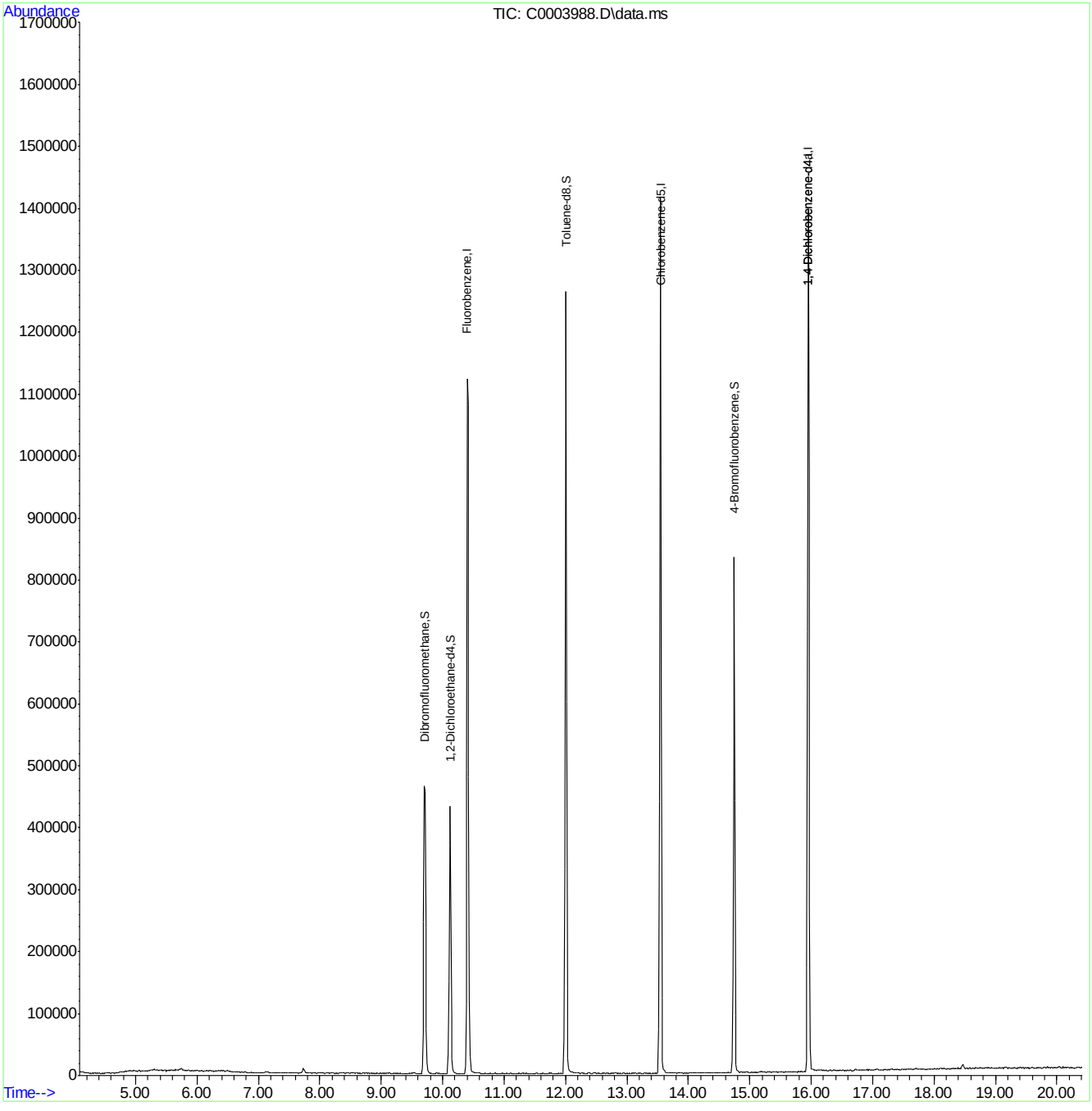
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ACCUTEST Laboratories

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0175\
Data File : C0003988.D
Acq On : 14 Oct 2009 12:56 pm
Operator : AnjanaP
Sample : mb
Misc : ms7106,VC0176,5,,,5,,WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 15 10:15:57 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:49:21 2009
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/14/09 16:31

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3599\F020701.D Vial: 3
Acq On : 13 Oct 2009 10:07 am Operator: AnjanaP
Sample : bs Inst : GC/MS F
Misc : ms7103,vf3599,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 13 10:31:32 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.62	96	902378	50.00	ug/L	0.00
61) Chlorobenzene-d5	14.59	117	712599	50.00	ug/L	0.00
80) 1,4-Dichlorobenzene-d4	17.77	152	417986	50.00	ug/L	0.00
107) 1,4-Dichlorobenzene-d4a	17.77	152	417986	50.00	ug/kg	0.00

System Monitoring Compounds						
39) Dibromofluoromethane	9.80	113	264049	49.35	ug/L	-0.01
Spiked Amount 50.000	Range 79 - 122		Recovery = 98.70%			
45) 1,2-Dichloroethane-d4	10.29	65	340426	50.10	ug/L	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 100.20%			
62) Toluene-d8	12.57	98	735727	43.91	ug/L	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 87.82%			
83) 4-Bromofluorobenzene	16.15	95	355857	45.07	ug/L	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 90.14%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.61	85	106852	21.08	ug/L	99
3) Chloromethane	4.96	50	103100	22.03	ug/L	97
4) Vinyl Chloride	5.20	62	103455	26.80	ug/L	98
5) Bromomethane	5.79	94	97274	33.32	ug/L	94
6) Chloroethane	5.94	64	66344	27.53	ug/L	99
7) Trichlorofluoromethane	6.31	101	204345	26.09	ug/L	97
8) Acrolein	8.15	56	52969	135.42	ug/L	99
9) Ethyl Ether	6.60	59	90412	27.81	ug/L	96
10) 1,1-Dichloroethene	7.04	61	192793	30.49	ug/L	99
11) Freon 113	6.93	101	127817	31.44	ug/L	98
12) Acetone	7.09	43	177699	148.13	ug/L	96
13) Iodomethane	7.34	142	228062	32.54	ug/L	97
14) Methyl acetate	7.44	43	346512	134.02	ug/L	95
15) Allyl Chloride	7.49	41	133437	28.13	uL/L	95
16) Carbon Disulfide	7.48	76	344735	27.67	ug/L	96
17) Acetonitrile	7.49	41	59587m	71.24	uL/L	
18) Methylene Chloride	7.71	49	152018	28.46	ug/L	97
19) Tert Butyl Alcohol	7.65	59	110573	293.68	ug/L	98
20) trans-1,2-Dichloroethene	7.98	61	174897	29.67	ug/L	96
21) Acrylonitrile	8.03	53	135593	128.50	ug/L	96
22) Methyl Tert Butyl Ether	7.87	73	381760	28.59	ug/L	98
23) Hexane	8.15	57	85632	26.29	ug/L	94
24) 1,1-Dichloroethane	8.54	63	211378	28.39	ug/L	97
25) Vinyl acetate	8.46	43	1278127	136.72	ug/L	100
26) Di-isopropyl ether	8.38	45	385972	26.49	ug/L	100
27) Chloroprene	8.61	53	198276	28.72	uL/L	98
28) Ethyl tert-butyl ether	8.82	59	404725	28.27	ug/L	99
29) 2,2-Dichloropropane	9.23	77	163259	26.56	ug/L	97
30) cis-1,2-Dichloroethene	9.26	96	140061	27.33	ug/L	92
31) Ethyl Acetate	9.14	43	261685	51.88	uL/L	98
32) 2-Butanone	9.14	43	470800m	93.33	ug/L	
33) Propionitrile	9.39	54	99074	256.76	uL/L	97
34) Methacrylonitrile	9.54	41	623630	184.00	uL/L	92
35) Bromochloromethane	9.58	128	75417	29.73	ug/L	92

(#) = qualifier out of range (m) = manual integration
F020701.D VF3547AP9G.M Wed Oct 14 13:32:46 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3599\F020701.D Vial: 3
Acq On : 13 Oct 2009 10:07 am Operator: AnjanaP
Sample : bs Inst : GC/MS F
Misc : ms7103,vf3599,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 13 10:31:32 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
36)	Chloroform	9.59	83	276749	28.04	ug/L		99
37)	Tetrahydrofuran	9.15	42	23774	9.55	ug/L		88
38)	1,1,1-Trichloroethane	9.85	97	237703	27.94	ug/L		99
40)	Cyclohexane	9.87	56	147541	28.82	ug/L		95
41)	Isobutyl Alcohol	9.95	43	62023	983.29	uL/L		89
42)	n-Butyl Alcohol	10.75	56	38482	1014.58	ug/L		90
43)	1,1-Dichloropropene	10.02	75	185781	29.31	ug/L		93
44)	Carbon Tetrachloride	10.03	117	218678	29.50	ug/L		97
46)	Benzene	10.31	78	424294	28.66	ug/L		98
47)	1,2-Dichloroethane	10.38	62	235482	27.41	ug/L		98
48)	tert-amyl methyl ether	10.25	73	384222	28.49	ug/L		99
49)	Trichloroethene	11.05	95	145562	28.81	ug/L		97
50)	Methylcyclohexane	11.25	83	132341	27.74	ug/L		96
51)	Methyl Methacrylate	11.31	41	97790	24.73	uL/L		98
52)	1,2-Dichloropropane	11.41	63	102007	28.00	ug/L		95
53)	Dibromomethane	11.60	93	99203	28.27	ug/L		98
54)	1,4-Dioxane	11.49	88	22282	609.08	ug/L		98
55)	Bromodichloromethane	11.71	83	219221	25.74	ug/L		99
56)	2-Nitropropane	12.04	41	249596	138.85	ug/L		99
57)	2-Chloroethyl vinyl ether	11.96	63	325353	173.47	ug/L		98
58)	1-Bromo-2-Chloroethane	12.19	63	108379	20.36	uL/L		100
59)	4-Methyl-2-pentanone	12.33	43	485041	137.76	ug/L		98
60)	cis-1,3-Dichloropropene	12.25	75	217256	27.30	ug/L		96
63)	Toluene	12.67	91	491350	25.71	ug/L		100
64)	Ethyl Methacrylate	12.84	69	136379	22.38	uL/:		95
65)	trans-1,3-Dichloropropene	12.96	75	221876	26.76	ug/L		98
66)	1,1,2-Trichloroethane	13.24	83	89398	24.99	ug/L		96
67)	Tetrachloroethene	13.39	166	175510	29.21	ug/L		98
68)	2-hexanone	13.40	43	345082	125.88	ug/L		99
69)	1,3-Dichloropropane	13.49	76	200415	24.91	ug/L		94
70)	Dibromochloromethane	13.81	129	156260	25.34	ug/L		99
71)	1,2-Dibromoethane	14.04	107	129820	25.83	ug/L		98
72)	1-Chlorohexane	14.38	91	172461	25.74	ug/L		95
73)	Chlorobenzene	14.63	112	327339	25.81	ug/L		93
74)	1,1,1,2-Tetrachloroethane	14.70	131	138053	25.17	ug/L		97
75)	Ethylbenzene	14.64	91	595111	25.01	ug/L		99
76)	m,p-Xylene	14.79	91	937239	51.18	ug/L		97
77)	o-Xylene	15.37	91	488453	25.64	ug/L		97
78)	Styrene	15.40	104	330037	24.36	ug/L		94
79)	Bromoform	15.81	173	111441	25.39	ug/L		99
81)	Isopropylbenzene	15.81	105	476097	25.16	ug/L		100
82)	Cyclohexanone	16.13	55	66245	413.58	ug/L	#	72
84)	Bromobenzene	16.42	156	166503	24.61	ug/L		94
85)	1,1,2,2-Tetrachloroethane	16.29	83	122333	23.65	ug/L		100
86)	Trans-1,4-Dichloro-2-Buten	16.36	53	45836	23.93	ug/L	#	97
87)	1,2,3-Trichloropropane	16.42	110	42417	21.51	ug/L		90
88)	n-Propylbenzene	16.35	91	610835	23.54	ug/L		99
89)	2-Chlorotoluene	16.60	91	454144	23.55	ug/L		99
90)	4-Chlorotoluene	16.74	91	420319	23.34	ug/L		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3599\F020701.D Vial: 3
Acq On : 13 Oct 2009 10:07 am Operator: AnjanaP
Sample : bs Inst : GC/MS F
Misc : ms7103,vf3599,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 13 10:31:32 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

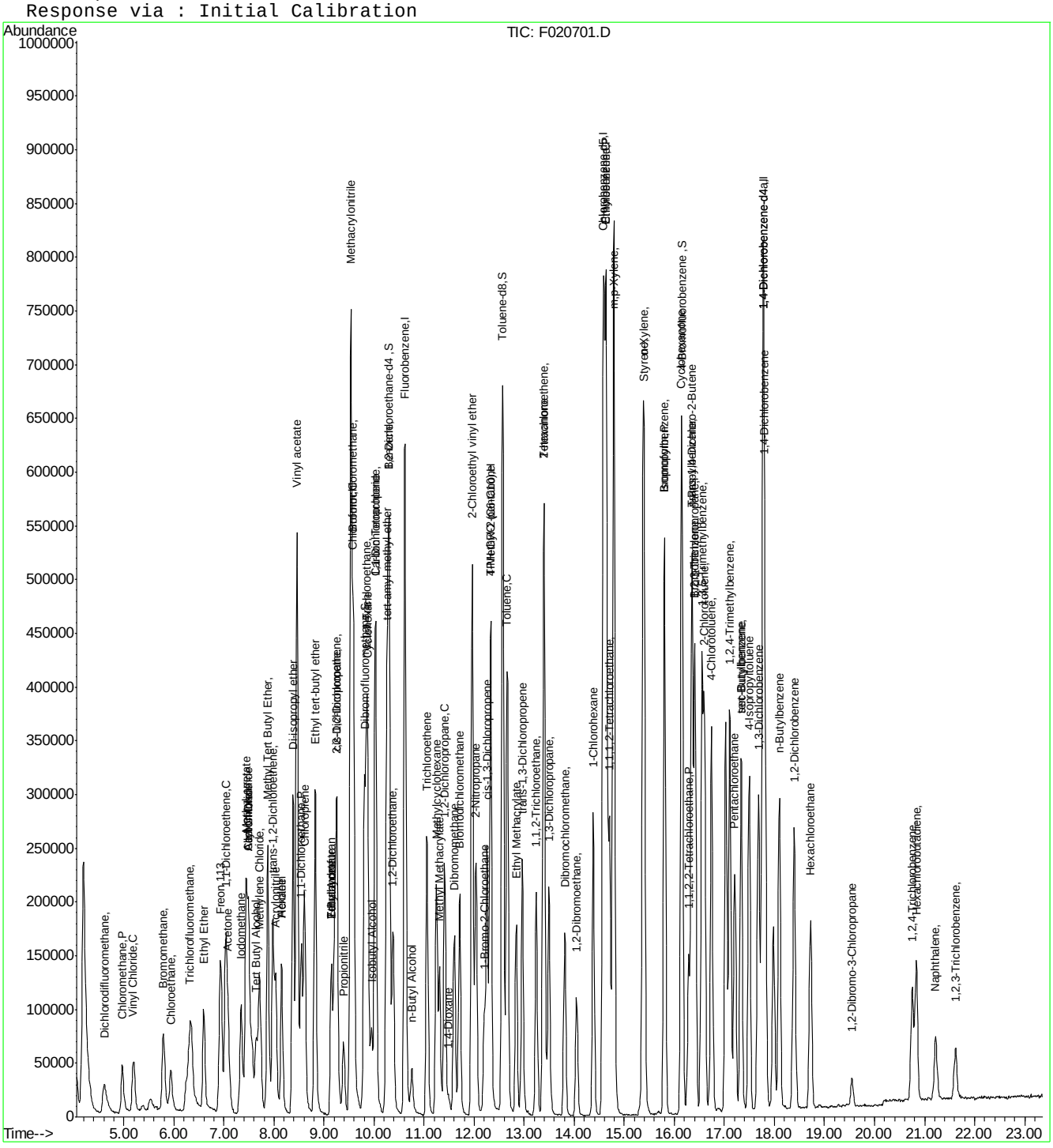
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	1,3,5-Trimethylbenzene	16.55	105	402228	23.43	ug/L	99
92)	Pentachloroethane	17.21	167	92027	21.09	uL/L	97
93)	sec-Butylbenzene	17.33	105	438547	23.17	ug/L	100
94)	1,3-Dichlorobenzene	17.69	146	255912	24.22	ug/L	97
95)	4-Isopropyltoluene	17.50	119	356432	23.16	ug/L	99
96)	1,4-Dichlorobenzene	17.81	146	268660	24.68	ug/L	99
97)	tert-Butylbenzene	17.33	91	79590	24.00	ug/L	96
98)	n-Butylbenzene	18.10	91	328150	22.02	ug/L	99
99)	1,2-Dichlorobenzene	18.39	146	235425	23.74	ug/L	96
100)	1,2,4-Trimethylbenzene	17.10	105	421084	22.95	ug/L	97
101)	Hexachloroethane	18.73	119	77486	21.25	uL/L	94
102)	1,2-Dibromo-3-Chloropropan	19.55	75	15342	15.89	ug/L	88
103)	1,2,4-Trichlorobenzene	20.76	180	81213	15.09	ug/L	97
104)	Hexachlorobutadiene	20.83	225	58025	24.54	ug/L	95
105)	Naphthalene	21.23	128	115638	14.71	ug/L	99
106)	1,2,3-Trichlorobenzene	21.61	180	41189	13.39	ug/L	93
108)	TPH-GRO (C6-C10)	12.34	TIC	48549126m	1894.45	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed
F020701.D VF3547AP9G.M Wed Oct 14 13:32:46 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3599\F020701.D Vial: 3
Acq On : 13 Oct 2009 10:07 am Operator: AnjanaP
Sample : bs Inst : GC/MS F
Misc : ms7103,vf3599,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 13 10:32 2009 Quant Results File: VF3547AP9G.RES

Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Laidlaw
10/15/09 18:20

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3601\F020749.D Vial: 4
Acq On : 14 Oct 2009 11:27 am Operator: AnjanaP
Sample : bs Inst : GC/MS F
Misc : op13245,vf3601,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 11:50:52 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.64	96	1027632	50.00	ug/L	0.01
61) Chlorobenzene-d5	14.60	117	822607	50.00	ug/L	0.01
80) 1,4-Dichlorobenzene-d4	17.79	152	479799	50.00	ug/L	0.01
107) 1,4-Dichlorobenzene-d4a	17.79	152	479799	50.00	ug/kg	0.01

System Monitoring Compounds						
39) Dibromofluoromethane	9.82	113	307910	50.54	ug/L	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 101.08%			
45) 1,2-Dichloroethane-d4	10.30	65	388671	50.24	ug/L	0.01
Spiked Amount 50.000	Range 75 - 121		Recovery = 100.48%			
62) Toluene-d8	12.59	98	890453	45.97	ug/L	0.01
Spiked Amount 50.000	Range 87 - 119		Recovery = 91.94%			
83) 4-Bromofluorobenzene	16.16	95	391815	43.26	ug/L	0.01
Spiked Amount 50.000	Range 80 - 133		Recovery = 86.52%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.64	85	98027	16.99	ug/L	95
3) Chloromethane	5.00	50	101438	18.85	ug/L	100
4) Vinyl Chloride	5.22	62	98110	22.11	ug/L	93
5) Bromomethane	5.83	94	81532	24.00	ug/L	93
6) Chloroethane	5.96	64	60303	21.98	ug/L	95
7) Trichlorofluoromethane	6.33	101	161727	18.13	ug/L	94
8) Acrolein	8.18	56	59386	133.32	ug/L	98
9) Ethyl Ether	6.62	59	100762	27.22	ug/L	97
10) 1,1-Dichloroethene	7.07	61	210347	29.21	ug/L	96
11) Freon 113	6.96	101	140300	30.31	ug/L	94
12) Acetone	7.11	43	176600	127.88	ug/L	94
13) Iodomethane	7.37	142	252941	31.69	ug/L	95
14) Methyl acetate	7.46	43	382499	129.97	ug/L	98
15) Allyl Chloride	7.52	41	176494	33.21	uL/L	90
16) Carbon Disulfide	7.51	76	404924	28.54	ug/L	90
17) Acetonitrile	7.52	41	74060m	78.39	uL/L	
18) Methylene Chloride	7.74	49	165539	27.19	ug/L	98
19) Tert Butyl Alcohol	7.67	59	113109	263.80	ug/L	94
20) trans-1,2-Dichloroethene	8.00	61	196014	29.20	ug/L	93
21) Acrylonitrile	8.06	53	155763	129.62	ug/L	97
22) Methyl Tert Butyl Ether	7.90	73	419290	27.57	ug/L	98
23) Hexane	8.18	57	96158	25.93	ug/L	90
24) 1,1-Dichloroethane	8.57	63	235228	27.74	ug/L	96
25) Vinyl acetate	8.48	43	1374925	129.15	ug/L	97
26) Di-isopropyl ether	8.40	45	439160	26.47	ug/L	97
27) Chloroprene	8.63	53	250233	31.83	uL/L	92
28) Ethyl tert-butyl ether	8.85	59	447404	27.44	ug/L	99
29) 2,2-Dichloropropane	9.25	77	169867	24.26	ug/L	95
30) cis-1,2-Dichloroethene	9.28	96	162094	27.78	ug/L	90
31) Ethyl Acetate	9.16	43	275018	47.88	uL/L	98
32) 2-Butanone	9.16	43	515430m	89.73	ug/L	
33) Propionitrile	9.41	54	126659	288.23	uL/L	98
34) Methacrylonitrile	9.56	41	774029	200.54	uL/L	91
35) Bromochloromethane	9.61	128	83855	29.03	ug/L	94

(#) = qualifier out of range (m) = manual integration
F020749.D VF3547AP9G.M Thu Oct 15 09:02:25 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3601\F020749.D Vial: 4
Acq On : 14 Oct 2009 11:27 am Operator: AnjanaP
Sample : bs Inst : GC/MS F
Misc : op13245,vf3601,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 11:50:52 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36)	Chloroform	9.62	83	303989	27.05 ug/L	96
37)	Tetrahydrofuran	9.16	42	23007	7.89 ug/L	95
38)	1,1,1-Trichloroethane	9.87	97	256967	26.53 ug/L	99
40)	Cyclohexane	9.89	56	170538	29.26 ug/L	95
41)	Isobutyl Alcohol	9.97	43	73222	1018.44 uL/L	80
42)	n-Butyl Alcohol	10.78	56	45287	1047.05 ug/L	85
43)	1,1-Dichloropropene	10.05	75	207195	28.71 ug/L	92
44)	Carbon Tetrachloride	10.05	117	227998	27.01 ug/L	96
46)	Benzene	10.32	78	486937	28.88 ug/L	99
47)	1,2-Dichloroethane	10.40	62	244956	25.04 ug/L	98
48)	tert-amyl methyl ether	10.26	73	425419	27.70 ug/L	96
49)	Trichloroethene	11.08	95	161865	28.10 ug/L	98
50)	Methylcyclohexane	11.27	83	151030	27.80 ug/L	95
51)	Methyl Methacrylate	11.33	41	115037	25.54 uL/L	95
52)	1,2-Dichloropropane	11.43	63	113180	27.28 ug/L	92
53)	Dibromomethane	11.62	93	105978	26.52 ug/L	96
54)	1,4-Dioxane	11.50	88	22945	550.75 ug/L	96
55)	Bromodichloromethane	11.73	83	235396	24.27 ug/L	98
56)	2-Nitropropane	12.06	41	246565	120.44 ug/L	95
57)	2-Chloroethyl vinyl ether	11.98	63	369333	172.92 ug/L	98
58)	1-Bromo-2-Chloroethane	12.22	63	126826	20.93 uL/L	98
59)	4-Methyl-2-pentanone	12.35	43	508942	126.93 ug/L	98
60)	cis-1,3-Dichloropropene	12.27	75	239772	26.46 ug/L	93
63)	Toluene	12.68	91	562007	25.47 ug/L	99
64)	Ethyl Methacrylate	12.85	69	170932	24.30 uL/:	96
65)	trans-1,3-Dichloropropene	12.98	75	230518	24.09 ug/L	98
66)	1,1,2-Trichloroethane	13.26	83	99973	24.21 ug/L	93
67)	Tetrachloroethene	13.40	166	178246	25.70 ug/L	99
68)	2-hexanone	13.41	43	357054	112.83 ug/L	96
69)	1,3-Dichloropropane	13.51	76	220083	23.70 ug/L	94
70)	Dibromochloromethane	13.83	129	166645	23.41 ug/L	99
71)	1,2-Dibromoethane	14.06	107	140227	24.17 ug/L	97
72)	1-Chlorohexane	14.40	91	195137	25.23 ug/L	90
73)	Chlorobenzene	14.64	112	364757	24.92 ug/L	93
74)	1,1,1,2-Tetrachloroethane	14.72	131	151996	24.01 ug/L	97
75)	Ethylbenzene	14.66	91	665163	24.21 ug/L	99
76)	m,p-Xylene	14.81	91	1035529	48.98 ug/L	96
77)	o-Xylene	15.39	91	545195	24.79 ug/L	97
78)	Styrene	15.42	104	380183	24.31 ug/L	93
79)	Bromoform	15.81	173	114912	22.68 ug/L	99
81)	Isopropylbenzene	15.82	105	532985	24.54 ug/L	98
82)	Cyclohexanone	16.16	55	43544	238.04 ug/L	97
84)	Bromobenzene	16.43	156	185717	23.91 ug/L	98
85)	1,1,2,2-Tetrachloroethane	16.30	83	133533	22.49 ug/L	99
86)	Trans-1,4-Dichloro-2-Buten	16.37	53	33869	15.41 ug/L #	85
87)	1,2,3-Trichloropropane	16.42	110	45843	20.25 ug/L	92
88)	n-Propylbenzene	16.37	91	681158	22.87 ug/L	99
89)	2-Chlorotoluene	16.61	91	499092	22.55 ug/L	98
90)	4-Chlorotoluene	16.76	91	466922	22.58 ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3601\F020749.D Vial: 4
Acq On : 14 Oct 2009 11:27 am Operator: AnjanaP
Sample : bs Inst : GC/MS F
Misc : op13245,vf3601,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 11:50:52 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

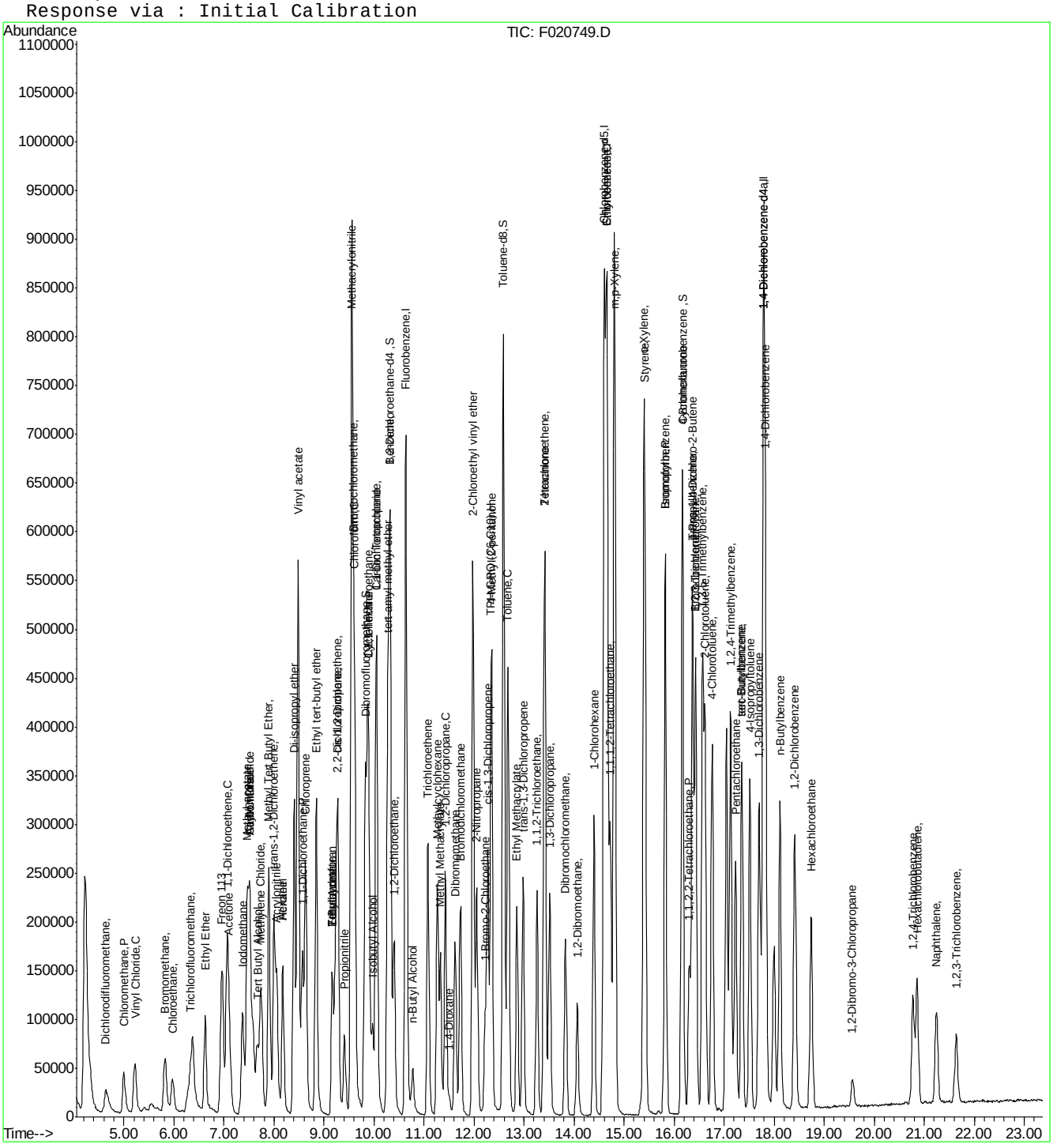
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	1,3,5-Trimethylbenzene	16.57	105	450020	22.84	ug/L	99
92)	Pentachloroethane	17.23	167	110390	22.04	uL/L	100
93)	sec-Butylbenzene	17.36	105	496180	22.83	ug/L	99
94)	1,3-Dichlorobenzene	17.70	146	285211	23.51	ug/L	97
95)	4-Isopropyltoluene	17.52	119	392314	22.21	ug/L	99
96)	1,4-Dichlorobenzene	17.83	146	297834	23.84	ug/L	99
97)	tert-Butylbenzene	17.35	91	85273	22.34	ug/L	91
98)	n-Butylbenzene	18.12	91	363134	21.23	ug/L	99
99)	1,2-Dichlorobenzene	18.41	146	264032	23.20	ug/L	97
100)	1,2,4-Trimethylbenzene	17.13	105	471365	22.38	ug/L	97
101)	Hexachloroethane	18.74	119	93235	22.27	uL/L	97
102)	1,2-Dibromo-3-Chloropropan	19.56	75	18003	16.32	ug/L	88
103)	1,2,4-Trichlorobenzene	20.77	180	88259	14.17	ug/L	99
104)	Hexachlorobutadiene	20.85	225	58169	20.94	ug/L	97
105)	Naphthalene	21.25	128	186250	21.47	ug/L	99
106)	1,2,3-Trichlorobenzene	21.64	180	58124	17.10	ug/L	97
108)	TPH-GRO (C6-C10)	12.34	TIC	49353683m	1765.94	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3601\F020749.D Vial: 4
Acq On : 14 Oct 2009 11:27 am Operator: AnjanaP
Sample : bs Inst : GC/MS F
Misc : op13245,vf3601,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 11:51 2009 Quant Results File: VF3547AP9G.RES

Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Wed Oct 14 13:44:25 2009
Response via : Initial Calibration



ACCUTEST Laboratories T39513

Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Laidlaw
10/15/09 18:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0175\
Data File : C0003986.D
Acq On : 14 Oct 2009 11:57 am
Operator : AnjanaP
Sample : bs
Misc : ms7106,VC0176,5,,,5,,WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 14 12:26:03 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:49:21 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.403	96	1279831	50.00	ug/kg	0.00
53) Chlorobenzene-d5	13.549	117	1123358	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	15.953	152	578064	50.00	ug/kg	0.00
96) 1,4-Dichlorobenzene-d4a	15.953	152	578064	50.00	ug/kg	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	9.713	113	334083	51.28	ug/l	0.01
Spiked Amount 50.000	Range 79 - 122		Recovery = 102.56%			
39) 1,2-Dichloroethane-d4	10.122	65	361336	51.24	ug/l	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 102.48%			
54) Toluene-d8	12.008	98	1157804	49.94	ug/l	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 99.88%			
74) 4-Bromofluorobenzene	14.746	95	402984	44.95	ug/l	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 89.90%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.400	85	109230	21.54	ug/l	94
3) Chloromethane	4.777	50	127202	26.93	ug/l	100
4) Vinyl Chloride	5.046	62	142020	30.20	ug/l	98
5) Bromomethane	5.682	94	113240	31.57	ug/l	97
6) Chloroethane	5.844	64	82767	29.85	ug/l	98
7) Trichlorofluoromethane	6.264	101	219173	27.67	ug/l	98
8) Ethyl Ether	6.620	59	112082	24.74	ug/l	95
9) Acrolein	6.965	56	2876	57.42	ug/l	94
10) 1,1-Dichloroethene	7.051	61	181802	22.38	ug/l	97
11) Freon 113	6.965	101	144436	27.48	ug/l	98
12) Acetone	7.126	43	153194	114.40	ug/l	99
13) Iodomethane	7.331	142	236791	22.79	ug/l	96
14) Methyl Acetate	7.504	43	391737	112.11	ug/l	97
15) Carbon Disulfide	7.439	76	438315	24.63	ug/l	98
16) Methylene Chloride	7.730	49	186168	22.79	ug/l	99
17) Tert Butyl Alcohol	7.504	59	37192	236.24	ug/l #	83
18) trans-1,2-Dichloroethene	8.010	61	205343	25.34	ug/l	99
19) Acrylonitrile	8.075	53	206318	121.66	ug/l	98
20) Methyl Tert Butyl Ether	7.935	73	318164	19.06	ug/l	94
21) Hexane	8.204	57	67727	19.93	ug/l	86
22) 1,1-Dichloroethane	8.560	63	273333	25.45	ug/l	99
23) Vinyl Acetate	8.506	43	1197749	116.67	ug/l	99
24) Di-isopropyl ether	8.441	45	329881	20.21	ug/l	95
25) Ethyl tert-butyl ether	8.861	59	337043	19.50	ug/l	98
26) 2,2-Dichloropropane	9.206	77	199275	27.08	ug/l	98
27) cis-1,2-Dichloroethene	9.217	96	174016	26.06	ug/l	96
28) 2-Butanone	9.142	43	442273m	76.98	ug/l	
29) Bromochloromethane	9.497	128	99893	25.22	ug/l #	88
30) Chloroform	9.519	83	300319	25.22	ug/l	98
31) Tetrahydrofuran	9.487	42	55769	41.08	ug/l #	1
32) 1,1,1-Trichloroethane	9.745	97	228226	27.00	ug/l	97
34) Cyclohexane	9.756	56	132109	22.40	ug/l	97
35) n-Butyl Alcohol	10.553	43	22819	408.80	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0175\
Data File : C0003986.D
Acq On : 14 Oct 2009 11:57 am
Operator : AnjanaP
Sample : bs
Misc : ms7106,VC0176,5,,,5,,WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 14 12:26:03 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:49:21 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,1-Dichloropropene	9.896	75	192347	24.57	ug/l	97
37) Isobutyl Alcohol	9.874	43	71889	441.56	ug/L	96
38) Carbon Tetrachloride	9.896	117	207230	28.08	ug/l	98
40) Benzene	10.133	78	660853	26.06	ug/l	85
41) 1,2-Dichloroethane	10.198	62	211903	25.45	ug/l	97
42) tert-amyl methyl ether	10.122	73	341319	19.87	ug/l	94
43) Trichloroethene	10.780	95	146879	23.96	ug/l	98
44) Methylcyclohexane	10.941	83	103679	20.06	ug/l	98
45) 1,2-Dichloropropane	11.071	63	145743	24.28	ug/l	96
46) Dibromomethane	11.211	93	101306	24.33	ug/l	98
47) 1,4-Dioxane	11.125	88	24233	374.57	ug/l	96
48) Bromodichloromethane	11.308	83	202762	24.81	ug/l	98
49) 2-Nitropropane	11.588	41	163187	124.73	ug/l	98
50) 2-Chloroethyl vinyl ether	11.534	63	415881	109.31	ug/l	98
51) 4-Methyl-2-pentanone	11.836	43	489439	113.30	ug/l	98
52) cis-1,3-Dichloropropene	11.760	75	220685	20.73	ug/l	98
55) Toluene	12.073	91	661292	22.21	ug/l	99
56) trans-1,3-Dichloropropene	12.321	75	212047	21.99	ug/l	99
57) 1,1,2-Trichloroethane	12.526	83	125114	21.81	ug/l	96
58) Tetrachloroethene	12.633	166	162953	22.69	ug/l	98
59) 2-hexanone	12.676	43	321356	97.66	ug/l	98
60) 1,3-Dichloropropane	12.720	76	249052	23.07	ug/l	97
61) Dibromochloromethane	12.957	129	160853	21.82	ug/l	98
62) 1,2-Dibromoethane	13.140	107	138609	21.53	ug/l	96
63) 1-Chlorohexane	13.409	91	94190	17.95	ug/l	86
64) Chlorobenzene	13.582	112	476613	22.72	ug/l	100
65) 1,1,1,2-Tetrachloroethane	13.636	131	172212	24.04	ug/l	99
66) Ethylbenzene	13.603	91	654642	23.20	ug/l	98
67) m,p-Xylene	13.711	91	1016980	44.25	ug/l	98
68) o-Xylene	14.153	91	461122	19.67	ug/l	96
69) Styrene	14.164	104	406488	19.41	ug/l	97
70) Bromoform	14.465	173	109521	21.61	ug/kg	100
72) Isopropylbenzene	14.487	105	402080	18.89	ug/l	98
73) Cyclohexanone	14.735	55	28688	212.44	ug/l #	72
75) Bromobenzene	14.950	156	222795	22.77	ug/l	99
76) 1,1,2,2-Tetrachloroethane	14.853	83	191302	21.86	ug/l	95
77) Trans-1,4-Dichloro-2-b...	14.907	53	47881	20.92	ug/l	88
78) 1,2,3-Trichloropropane	14.950	110	53921	20.24	ug/l	98
79) n-Propylbenzene	14.907	91	578328	20.70	ug/l	98
80) 2-Chlorotoluene	15.091	91	487530	21.47	ug/l	100
81) 4-Chlorotoluene	15.209	91	417429	19.88	ug/l	96
82) 1,3,5-Trimethylbenzene	15.069	105	394330	19.30	ug/l	100
83) sec-Butylbenzene	15.651	105	424807	19.12	ug/l	96
84) 1,3-Dichlorobenzene	15.888	146	324157	21.89	ug/l	98
85) 4-Isopropyltoluene	15.769	119	351924	22.53	ug/l	98
86) 1,4-Dichlorobenzene	15.985	146	367471	21.55	ug/l	97
87) tert-Butylbenzene	15.425	91	191702	18.97	ug/l	97
88) n-Butylbenzene	16.211	91	315302	19.08	ug/l	98
89) 1,2-Dichlorobenzene	16.427	146	316385	21.22	ug/l	99
90) 1,2,4-Trimethylbenzene	15.478	105	456645	20.52	ug/l	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0175\
Data File : C0003986.D
Acq On : 14 Oct 2009 11:57 am
Operator : AnjanaP
Sample : bs
Misc : ms7106,VC0176,5,,,5,,WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 14 12:26:03 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:49:21 2009
Response via : Initial Calibration

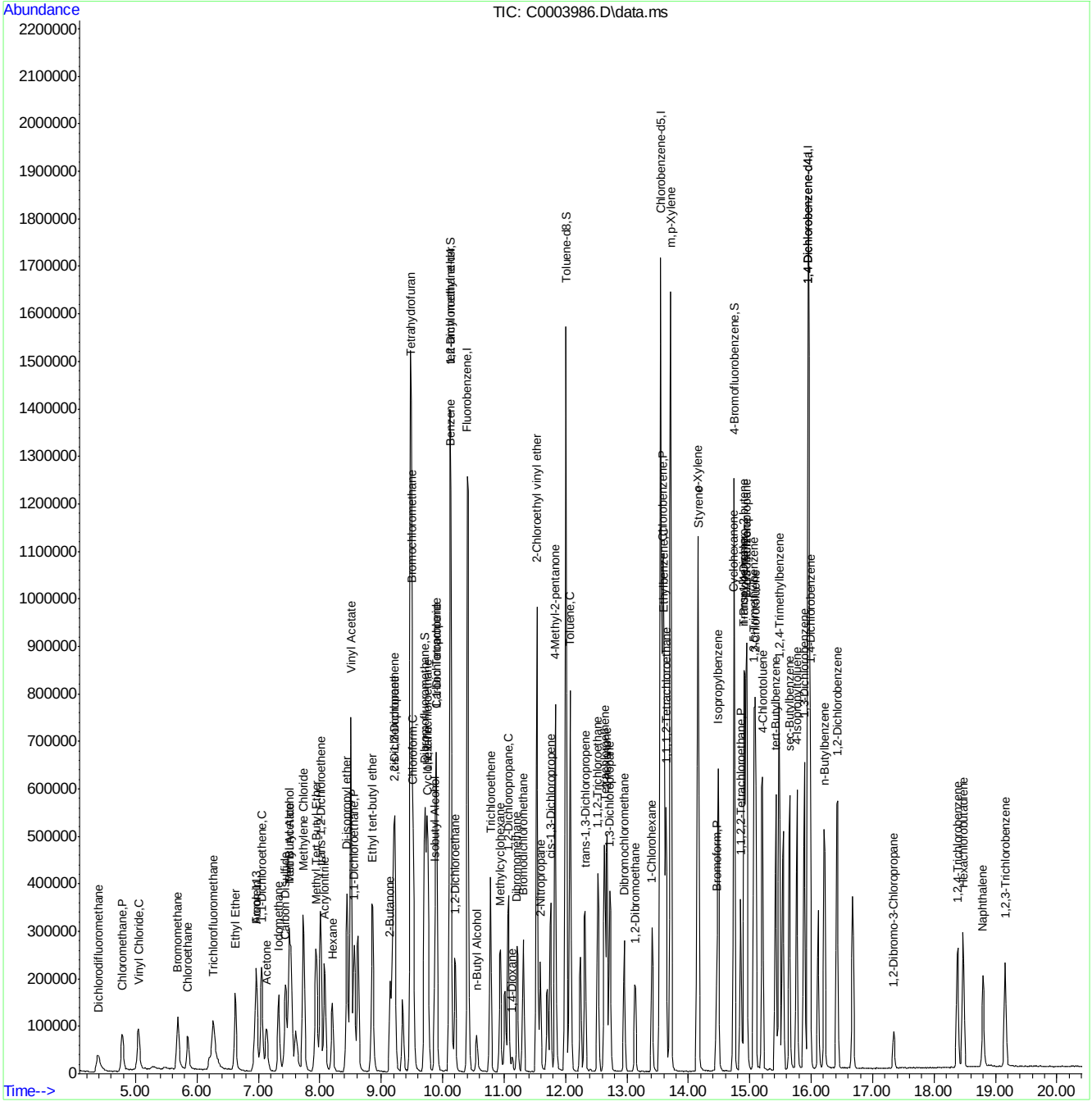
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
91) 1,2-Dibromo-3-Chloropr...	17.343	75	25228	22.47 ug/l	85
92) 1,2,4-Trichlorobenzene	18.388	180	122353	18.73 ug/l	98
93) Hexachlorobutadiene	18.474	225	87405	23.53 ug/l	96
94) Naphthalene	18.798	128	214490	16.35 ug/l	96
95) 1,2,3-Trichlorobenzene	19.164	180	111033	22.80 ug/l	97
97) TPH-GRO (C6-C10)	11.619	TIC	52218594m	Below Cal	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0175\
Data File : C0003986.D
Acq On : 14 Oct 2009 11:57 am
Operator : AnjanaP
Sample : bs
Misc : ms7106,VC0176,5,,,5,,WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 14 12:26:03 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:49:21 2009
Response via : Initial Calibration



ACCUTEST Laboratories T39513

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/14/09 16:31

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3599\F020708.D Vial: 10
Acq On : 13 Oct 2009 1:41 pm Operator: AnjanaP
Sample : t39513-1ms Inst : GC/MS F
Misc : ms7105,vf3599,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 12:02:37 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.62	96	884608	50.00	ug/L	0.00
61) Chlorobenzene-d5	14.60	117	710747	50.00	ug/L	0.00
80) 1,4-Dichlorobenzene-d4	17.77	152	405839	50.00	ug/L	0.00
107) 1,4-Dichlorobenzene-d4a	17.77	152	405839	50.00	ug/kg	0.00

System Monitoring Compounds

39) Dibromofluoromethane	9.81	113	260594	49.68	ug/L	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 99.36%			
45) 1,2-Dichloroethane-d4	10.30	65	352137	52.98	ug/L	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 105.96%			
62) Toluene-d8	12.58	98	728660	43.61	ug/L	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 87.22%			
83) 4-Bromofluorobenzene	16.15	95	339204	44.26	ug/L	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 88.52%			

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	4.62	85	90032	18.12	ug/L	97
3) Chloromethane	4.98	50	102527	22.36	ug/L	96
4) Vinyl Chloride	5.21	62	102113	26.99	ug/L	99
5) Bromomethane	5.81	94	93240	32.54	ug/L	95
6) Chloroethane	5.96	64	69635	29.48	ug/L	96
7) Trichlorofluoromethane	6.32	101	196449	25.59	ug/L	93
8) Acrolein	8.16	56	34464	89.88	ug/L	97
9) Ethyl Ether	6.61	59	96591	30.31	ug/L	96
10) 1,1-Dichloroethene	7.05	61	182733	29.48	ug/L	99
11) Freon 113	6.94	101	103468	25.96	ug/L	94
12) Acetone	7.10	43	272469	237.86	ug/L	97
13) Iodomethane	7.35	142	216157	31.46	ug/L	97
14) Methyl acetate	7.45	43	415893	163.60	ug/L	97
15) Allyl Chloride	7.50	41	113053	23.92	uL/L	96
16) Carbon Disulfide	7.49	76	330354	27.05	ug/L	96
17) Acetonitrile	7.50	41	46870m	55.40	uL/L	
18) Methylene Chloride	7.73	49	141889	27.07	ug/L	98
19) Tert Butyl Alcohol	7.65	59	155977	422.59	ug/L	75
20) trans-1,2-Dichloroethene	7.99	61	170257	29.47	ug/L	94
21) Acrylonitrile	8.04	53	160007	154.68	ug/L	96
22) Methyl Tert Butyl Ether	7.89	73	422971	32.31	ug/L	99
23) Hexane	8.17	57	57718	18.08	ug/L	91
24) 1,1-Dichloroethane	8.55	63	204706	28.04	ug/L	97
25) Vinyl acetate	8.47	43	1433972	156.48	ug/L	99
26) Di-isopropyl ether	8.39	45	385090	26.96	ug/L	99
27) Chloroprene	8.62	53	195800	28.94	uL/L	97
28) Ethyl tert-butyl ether	8.83	59	412878	29.42	ug/L	99
29) 2,2-Dichloropropane	9.24	77	85108	14.12	ug/L	96
30) cis-1,2-Dichloroethene	9.27	96	138203	27.51	ug/L	88
31) Ethyl Acetate	9.15	43	336504	68.05	uL/L	99
32) 2-Butanone	9.15	43	598823m	121.10	ug/L	
33) Propionitrile	9.40	54	125358	331.40	uL/L	99
34) Methacrylonitrile	9.55	41	821629	247.28	uL/L	90
35) Bromochloromethane	9.59	128	77340	31.10	ug/L	89

(#) = qualifier out of range (m) = manual integration
F020708.D VF3547AP9G.M Wed Oct 14 13:32:49 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3599\F020708.D Vial: 10
Acq On : 13 Oct 2009 1:41 pm Operator: AnjanaP
Sample : t39513-1ms Inst : GC/MS F
Misc : ms7105,vf3599,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 12:02:37 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
36)	Chloroform	9.60	83	277108	28.64	ug/L		98
37)	Tetrahydrofuran	9.15	42	29968	12.73	ug/L		98
38)	1,1,1-Trichloroethane	9.86	97	229278	27.49	ug/L		96
40)	Cyclohexane	9.88	56	122304	24.37	ug/L		95
41)	Isobutyl Alcohol	9.96	43	93296	1495.69	uL/L		82
42)	n-Butyl Alcohol	10.76	56	58571	1551.83	ug/L		88
43)	1,1-Dichloropropene	10.04	75	174432	28.07	ug/L		95
44)	Carbon Tetrachloride	10.04	117	204475	28.14	ug/L		98
46)	Benzene	10.32	78	555897	38.30	ug/L		92
47)	1,2-Dichloroethane	10.38	62	243929	28.96	ug/L		98
48)	tert-amyl methyl ether	10.26	73	407852	30.85	ug/L		99
49)	Trichloroethene	11.06	95	136656	27.54	ug/L		95
50)	Methylcyclohexane	11.26	83	99136	21.20	ug/L		95
51)	Methyl Methacrylate	11.32	41	132445	34.16	uL/L		98
52)	1,2-Dichloropropane	11.42	63	99023	27.72	ug/L		92
53)	Dibromomethane	11.61	93	104414	30.36	ug/L		98
54)	1,4-Dioxane	11.50	88	28332	790.01	ug/L		94
55)	Bromodichloromethane	11.72	83	219655	26.30	ug/L		99
56)	2-Nitropropane	12.04	41	312051	177.08	ug/L		99
58)	1-Bromo-2-Chloroethane	12.22	63	113811	21.81	uL/L		98
59)	4-Methyl-2-pentanone	12.33	43	691550	200.36	ug/L		99
60)	cis-1,3-Dichloropropene	12.26	75	184835	23.69	ug/L		95
63)	Toluene	12.67	91	483478	25.36	ug/L		99
64)	Ethyl Methacrylate	12.84	69	183764	30.23	uL/:		98
65)	trans-1,3-Dichloropropene	12.97	75	197695	23.91	ug/L		96
66)	1,1,2-Trichloroethane	13.25	83	96683	27.09	ug/L		95
67)	Tetrachloroethene	13.40	166	150315	25.08	ug/L		96
68)	2-hexanone	13.41	43	496263	181.50	ug/L		97
69)	1,3-Dichloropropane	13.50	76	213254	26.58	ug/L		94
70)	Dibromochloromethane	13.82	129	163646	26.60	ug/L		97
71)	1,2-Dibromoethane	14.06	107	142384	28.41	ug/L		97
72)	1-Chlorohexane	14.39	91	140637	21.04	ug/L		92
73)	Chlorobenzene	14.64	112	312720	24.72	ug/L		97
74)	1,1,1,2-Tetrachloroethane	14.71	131	138342	25.29	ug/L		99
75)	Ethylbenzene	14.65	91	631603	26.61	ug/L		99
76)	m,p-Xylene	14.79	91	885278	48.47	ug/L		99
77)	o-Xylene	15.38	91	464463	24.44	ug/L		98
78)	Styrene	15.40	104	307414	22.75	ug/L		94
79)	Bromoform	15.81	173	124980	28.55	ug/L		92
81)	Isopropylbenzene	15.82	105	415991	22.64	ug/L		98
82)	Cyclohexanone	16.14	55	20113	131.27	ug/L	#	64
84)	Bromobenzene	16.42	156	160482	24.43	ug/L		94
85)	1,1,2,2-Tetrachloroethane	16.29	83	147627	29.39	ug/L		97
86)	Trans-1,4-Dichloro-2-Buten	16.36	53	40780	21.93	ug/L	#	96
87)	1,2,3-Trichloropropane	16.42	110	53557	27.97	ug/L		86
88)	n-Propylbenzene	16.36	91	525751	20.87	ug/L		99
89)	2-Chlorotoluene	16.60	91	407907	21.79	ug/L		99
90)	4-Chlorotoluene	16.75	91	384463	21.98	ug/L		97
91)	1,3,5-Trimethylbenzene	16.55	105	345927	20.75	ug/L		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3599\F020708.D Vial: 10
Acq On : 13 Oct 2009 1:41 pm Operator: AnjanaP
Sample : t39513-1ms Inst : GC/MS F
Misc : ms7105,vf3599,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 12:02:37 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

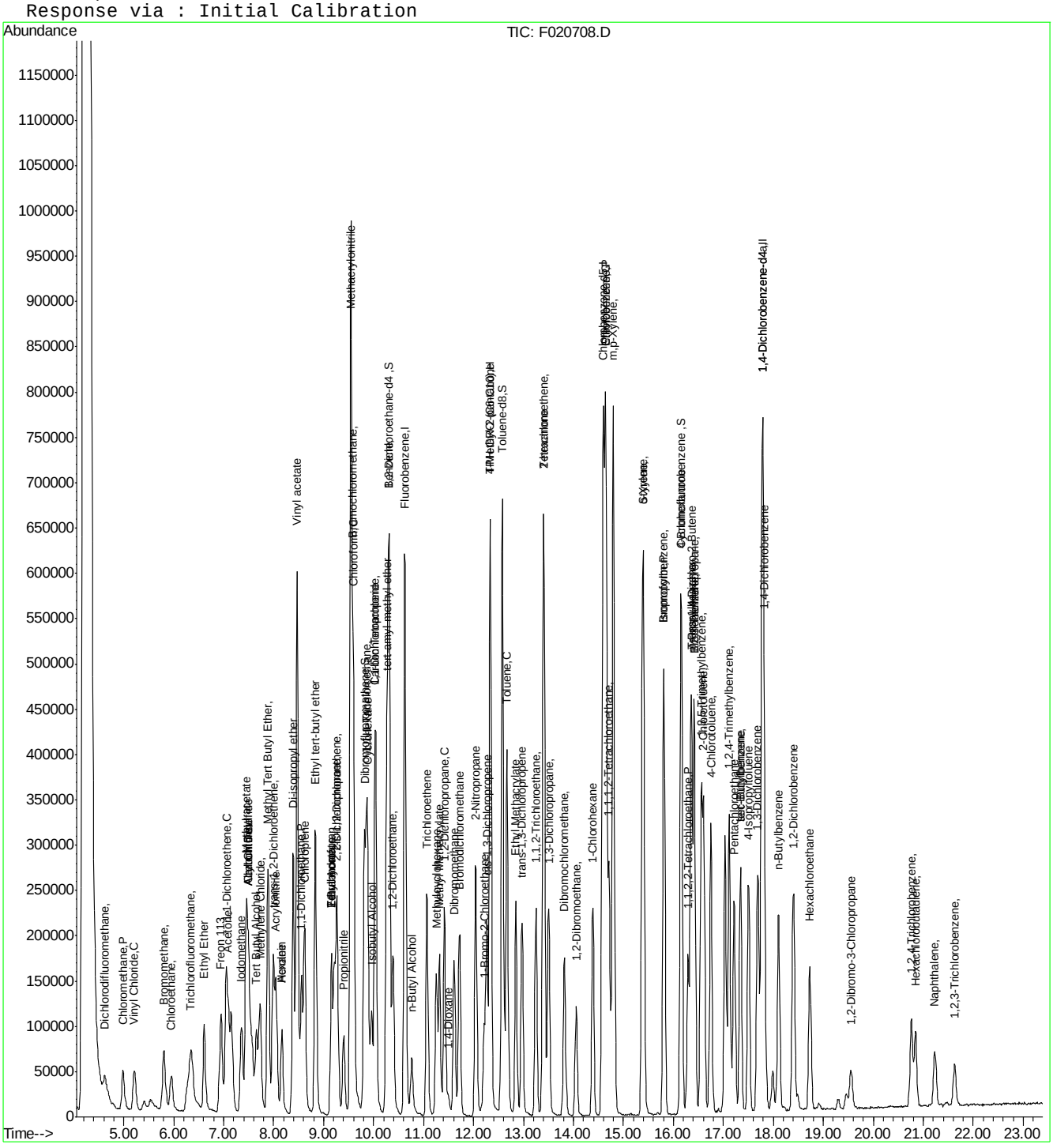
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
92)	Pentachloroethane	17.21	167	96392	22.75	uL/L	97
93)	sec-Butylbenzene	17.34	105	353644	19.24	ug/L	99
94)	1,3-Dichlorobenzene	17.69	146	227154	22.14	ug/L	98
95)	4-Isopropyltoluene	17.50	119	281999	18.87	ug/L	98
96)	1,4-Dichlorobenzene	17.82	146	242330	22.93	ug/L	96
97)	tert-Butylbenzene	17.34	91	64634	19.91	ug/L	94
98)	n-Butylbenzene	18.11	91	255525	17.66	ug/L	99
99)	1,2-Dichlorobenzene	18.40	146	220583	22.91	ug/L	97
100)	1,2,4-Trimethylbenzene	17.12	105	367381	20.62	ug/L	98
101)	Hexachloroethane	18.73	119	68772	19.42	uL/L	91
102)	1,2-Dibromo-3-Chloropropan	19.56	75	26832	31.33	ug/L	89
103)	1,2,4-Trichlorobenzene	20.77	180	74714	14.18	ug/L	98
104)	Hexachlorobutadiene	20.85	225	36650	14.62	ug/L	97
105)	Naphthalene	21.23	128	118781	15.68	ug/L	96
106)	1,2,3-Trichlorobenzene	21.63	180	37749	12.48	ug/L	93
108)	TPH-GRO (C6-C10)	12.34	TIC	44940583m	1842.08	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3599\F020708.D Vial: 10
Acq On : 13 Oct 2009 1:41 pm Operator: AnjanaP
Sample : t39513-1ms Inst : GC/MS F
Misc : ms7105,vf3599,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 13:15 2009 Quant Results File: VF3547AP9G.RES

Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez 10/14/09 16:31

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3599\F020709.D Vial: 11
Acq On : 13 Oct 2009 2:11 pm Operator: AnjanaP
Sample : t39513-1msd Inst : GC/MS F
Misc : ms7105,vf3599,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 12:02:38 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.62	96	893096	50.00	ug/L	0.00
61) Chlorobenzene-d5	14.59	117	718086	50.00	ug/L	0.00
80) 1,4-Dichlorobenzene-d4	17.78	152	408402	50.00	ug/L	0.00
107) 1,4-Dichlorobenzene-d4a	17.78	152	408402	50.00	ug/kg	0.00

System Monitoring Compounds						
39) Dibromofluoromethane	9.82	113	262933	49.65	ug/L	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 99.30%			
45) 1,2-Dichloroethane-d4	10.29	65	343339	51.10	ug/L	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 102.20%			
62) Toluene-d8	12.58	98	718874	42.62	ug/L	0.01
Spiked Amount 50.000	Range 87 - 119		Recovery = 85.24%#			
83) 4-Bromofluorobenzene	16.15	95	334463	43.38	ug/L	0.01
Spiked Amount 50.000	Range 80 - 133		Recovery = 86.76%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.62	85	86742	17.29	ug/L	97
3) Chloromethane	4.98	50	101869	21.99	ug/L	98
4) Vinyl Chloride	5.20	62	100004	26.15	ug/L	96
5) Bromomethane	5.80	94	90422	31.17	ug/L	95
6) Chloroethane	5.95	64	68545	28.74	ug/L	94
7) Trichlorofluoromethane	6.31	101	182446	23.54	ug/L	95
8) Acrolein	8.16	56	32885	84.95	ug/L	98
9) Ethyl Ether	6.61	59	93818	29.16	ug/L	95
10) 1,1-Dichloroethene	7.04	61	176123	28.14	ug/L	100
11) Freon 113	6.93	101	96269	23.93	ug/L	91
12) Acetone	7.09	43	264244	228.06	ug/L	98
13) Iodomethane	7.36	142	217145	31.30	ug/L	97
14) Methyl acetate	7.45	43	413821	161.27	ug/L	98
15) Allyl Chloride	7.50	41	120792	25.48	uL/L	96
16) Carbon Disulfide	7.50	76	325469	26.40	ug/L	93
17) Acetonitrile	7.50	41	43953m	50.71	uL/L	
18) Methylene Chloride	7.72	49	142597	26.94	ug/L	98
19) Tert Butyl Alcohol	7.65	59	152173	408.37	ug/L	98
20) trans-1,2-Dichloroethene	7.99	61	168299	28.85	ug/L	96
21) Acrylonitrile	8.05	53	162873	155.96	ug/L	99
22) Methyl Tert Butyl Ether	7.89	73	424477	32.12	ug/L	98
23) Hexane	8.16	57	54800	17.00	ug/L	99
24) 1,1-Dichloroethane	8.56	63	208600	28.30	ug/L	96
25) Vinyl acetate	8.47	43	1422359	153.73	ug/L	99
26) Di-isopropyl ether	8.39	45	385542	26.74	ug/L	97
27) Chloroprene	8.62	53	194183	28.42	uL/L	99
28) Ethyl tert-butyl ether	8.83	59	411984	29.08	ug/L	98
29) 2,2-Dichloropropane	9.25	77	82349	13.54	ug/L	91
30) cis-1,2-Dichloroethene	9.27	96	138287	27.27	ug/L	89
31) Ethyl Acetate	9.16	43	350259	70.16	uL/L	99
32) 2-Butanone	9.16	43	587309m	117.64	ug/L	
33) Propionitrile	9.40	54	128022	335.22	uL/L	98
34) Methacrylonitrile	9.54	41	812322	242.16	uL/L	93
35) Bromochloromethane	9.59	128	77786	30.99	ug/L	91

(#) = qualifier out of range (m) = manual integration
F020709.D VF3547AP9G.M Wed Oct 14 13:32:52 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3599\F020709.D Vial: 11
Acq On : 13 Oct 2009 2:11 pm Operator: AnjanaP
Sample : t39513-1msd Inst : GC/MS F
Misc : ms7105,vf3599,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 12:02:38 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
36)	Chloroform	9.60	83	270678	27.71	ug/L		98
37)	Tetrahydrofuran	9.15	42	27514	11.43	ug/L		94
38)	1,1,1-Trichloroethane	9.86	97	226676	26.92	ug/L		98
40)	Cyclohexane	9.88	56	114569	22.62	ug/L		99
41)	Isobutyl Alcohol	9.96	43	91150	1448.19	uL/L		83
42)	n-Butyl Alcohol	10.76	56	58298	1530.52	ug/L		89
43)	1,1-Dichloropropene	10.03	75	171384	27.32	ug/L		96
44)	Carbon Tetrachloride	10.03	117	200152	27.28	ug/L		98
46)	Benzene	10.31	78	549133	37.47	ug/L		99
47)	1,2-Dichloroethane	10.39	62	239250	28.14	ug/L		97
48)	tert-amyl methyl ether	10.26	73	410133	30.73	ug/L		98
49)	Trichloroethene	11.07	95	136627	27.26	ug/L		98
50)	Methylcyclohexane	11.25	83	91653	19.41	ug/L		93
51)	Methyl Methacrylate	11.32	41	131196	33.52	uL/L		97
52)	1,2-Dichloropropane	11.42	63	97676	27.09	ug/L		96
53)	Dibromomethane	11.61	93	107186	30.87	ug/L		96
54)	1,4-Dioxane	11.49	88	27318	754.50	ug/L		93
55)	Bromodichloromethane	11.72	83	217996	25.86	ug/L		99
56)	2-Nitropropane	12.04	41	303925	170.83	ug/L		98
57)	2-Chloroethyl vinyl ether	12.21	63	117167	63.12	ug/L	#	13
58)	1-Bromo-2-Chloroethane	12.21	63	115355	21.90	uL/L		96
59)	4-Methyl-2-pentanone	12.34	43	677518	194.43	ug/L		98
60)	cis-1,3-Dichloropropene	12.27	75	181675	23.07	ug/L		94
63)	Toluene	12.67	91	480144	24.93	ug/L		98
64)	Ethyl Methacrylate	12.85	69	182372	29.70	uL/:		96
65)	trans-1,3-Dichloropropene	12.98	75	194988	23.34	ug/L		95
66)	1,1,2-Trichloroethane	13.25	83	94945	26.33	ug/L		94
67)	Tetrachloroethene	13.40	166	148285	24.49	ug/L		99
68)	2-hexanone	13.41	43	484098	175.24	ug/L		97
69)	1,3-Dichloropropane	13.51	76	216292	26.68	ug/L		94
70)	Dibromochloromethane	13.82	129	162107	26.08	ug/L		99
71)	1,2-Dibromoethane	14.06	107	140726	27.79	ug/L		98
72)	1-Chlorohexane	14.39	91	141025	20.88	ug/L		93
73)	Chlorobenzene	14.64	112	311386	24.37	ug/L		98
74)	1,1,1,2-Tetrachloroethane	14.71	131	138424	25.05	ug/L		98
75)	Ethylbenzene	14.65	91	631550	26.33	ug/L		98
76)	m,p-Xylene	14.80	91	862485	46.73	ug/L		98
77)	o-Xylene	15.39	91	458950	23.91	ug/L		98
78)	Styrene	15.41	104	309132	22.64	ug/L		96
79)	Bromoform	15.81	173	121283	27.42	ug/L		96
81)	Isopropylbenzene	15.81	105	418415	22.63	ug/L		99
82)	Cyclohexanone	16.15	55	21299	137.99	ug/L	#	66
84)	Bromobenzene	16.42	156	161125	24.37	ug/L		98
85)	1,1,2,2-Tetrachloroethane	16.29	83	144472	28.59	ug/L		99
86)	Trans-1,4-Dichloro-2-Buten	16.36	53	40581	21.69	ug/L	#	97
87)	1,2,3-Trichloropropane	16.42	110	52728	27.37	ug/L		91
88)	n-Propylbenzene	16.36	91	529768	20.90	ug/L		100
89)	2-Chlorotoluene	16.61	91	411668	21.85	ug/L		98
90)	4-Chlorotoluene	16.75	91	385566	21.91	ug/L		97

(#) = qualifier out of range (m) = manual integration
F020709.D VF3547AP9G.M Wed Oct 14 13:32:52 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3599\F020709.D Vial: 11
Acq On : 13 Oct 2009 2:11 pm Operator: AnjanaP
Sample : t39513-1msd Inst : GC/MS F
Misc : ms7105,vf3599,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 12:02:38 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

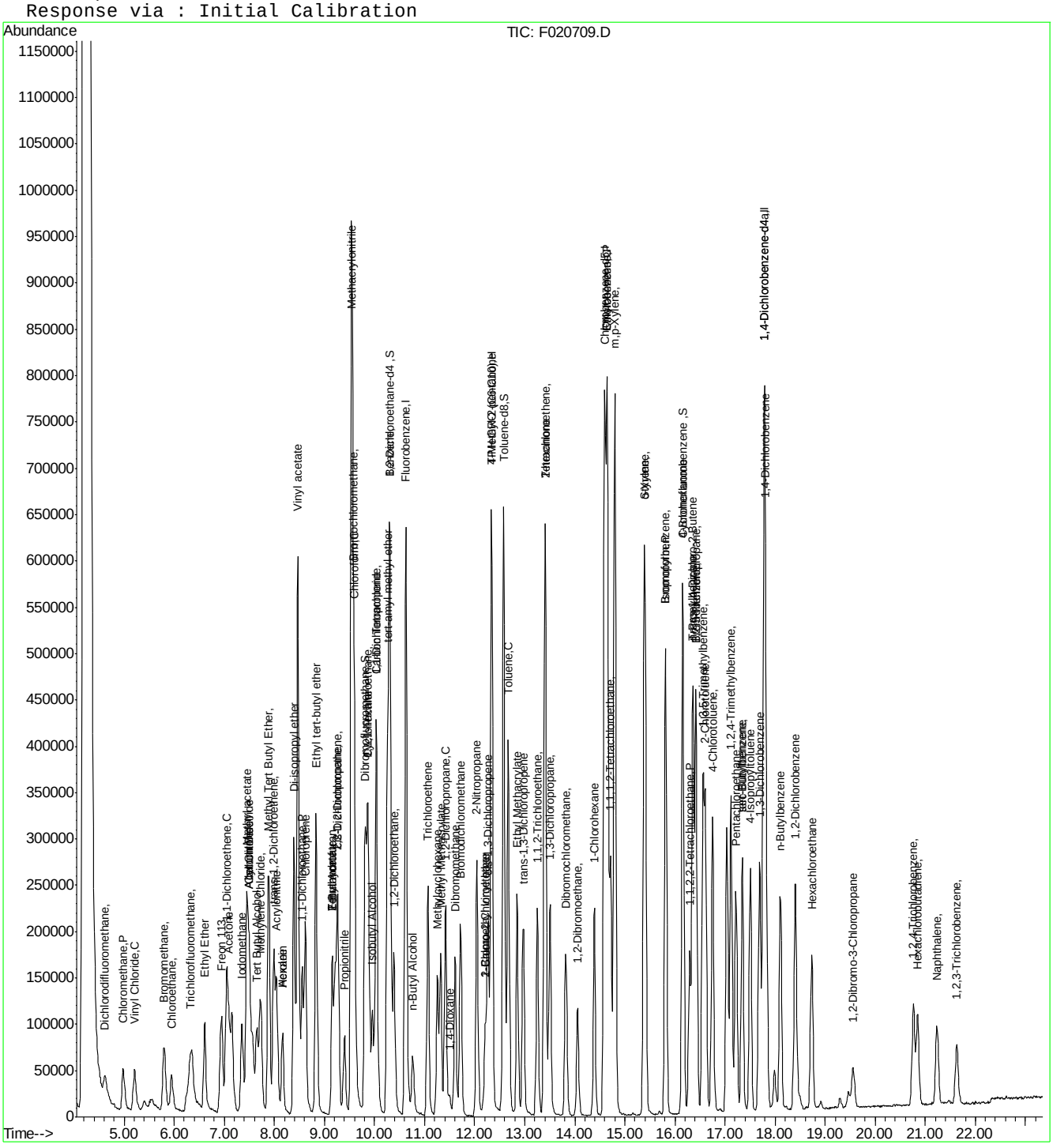
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	1,3,5-Trimethylbenzene	16.56	105	352926	21.04	ug/L	99
92)	Pentachloroethane	17.22	167	97583	22.89	uL/L	99
93)	sec-Butylbenzene	17.34	105	367664	19.88	ug/L	99
94)	1,3-Dichlorobenzene	17.69	146	235175	22.78	ug/L	97
95)	4-Isopropyltoluene	17.50	119	295097	19.62	ug/L	96
96)	1,4-Dichlorobenzene	17.82	146	244510	22.99	ug/L	96
97)	tert-Butylbenzene	17.34	91	65545	20.07	ug/L	94
98)	n-Butylbenzene	18.10	91	260225	17.87	ug/L	96
99)	1,2-Dichlorobenzene	18.41	146	225713	23.30	ug/L	97
100)	1,2,4-Trimethylbenzene	17.12	105	373794	20.85	ug/L	99
101)	Hexachloroethane	18.73	119	73045	20.50	uL/L	97
102)	1,2-Dibromo-3-Chloropropan	19.57	75	26343	30.49	ug/L	98
103)	1,2,4-Trichlorobenzene	20.76	180	86455	16.63	ug/L	95
104)	Hexachlorobutadiene	20.85	225	43943	18.16	ug/L	96
105)	Naphthalene	21.23	128	168742	22.99	ug/L	98
106)	1,2,3-Trichlorobenzene	21.64	180	53961	18.90	ug/L	97
108)	TPH-GRO (C6-C10)	12.34	TIC	44857713m	1833.39	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3599\F020709.D Vial: 11
Acq On : 13 Oct 2009 2:11 pm Operator: AnjanaP
Sample : t39513-1msd Inst : GC/MS F
Misc : ms7105,vf3599,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 13:15 2009 Quant Results File: VF3547AP9G.RES

Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0175\
Data File : C0003991.D
Acq On : 14 Oct 2009 2:21 pm
Operator : AnjanaP
Sample : t39308-1ms
Misc : ms7110,VC0175,5,,,5,,WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 15 08:50:51 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:49:21 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.403	96	1231827	50.00	ug/kg	0.00
53) Chlorobenzene-d5	13.549	117	1102693	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	15.953	152	571645	50.00	ug/kg	0.00
96) 1,4-Dichlorobenzene-d4a	15.953	152	571645	50.00	ug/kg	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	9.702	113	325496	51.91	ug/l	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 103.82%			
39) 1,2-Dichloroethane-d4	10.122	65	358834	52.87	ug/l	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 105.74%			
54) Toluene-d8	12.008	98	1119076	49.18	ug/l	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 98.36%			
74) 4-Bromofluorobenzene	14.746	95	377489	42.58	ug/l	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 85.16%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.378	85	90802	18.60	ug/l	99
3) Chloromethane	4.788	50	93421	20.55	ug/l	99
4) Vinyl Chloride	5.046	62	137382	30.36	ug/l	98
5) Bromomethane	5.682	94	90743	25.40	ug/l	96
6) Chloroethane	5.844	64	67031	24.72	ug/l	100
7) Trichlorofluoromethane	6.264	101	205820	27.00	ug/l	98
8) Ethyl Ether	6.620	59	101705	23.32	ug/l	98
9) Acrolein	6.943	56	2606	54.94	ug/l	95
10) 1,1-Dichloroethene	7.051	61	3505038	448.21	ug/l	99
11) Freon 113	6.965	101	137855	27.25	ug/l	96
12) Acetone	7.126	43	174935	136.16	ug/l	98
13) Iodomethane	7.331	142	227362	22.74	ug/l	96
14) Methyl Acetate	7.504	43	377787	112.33	ug/l	97
15) Carbon Disulfide	7.439	76	424483	24.78	ug/l	99
16) Methylene Chloride	7.730	49	177001	22.47	ug/l	99
17) Tert Butyl Alcohol	7.504	59	33632	221.96	ug/l	97
18) trans-1,2-Dichloroethene	8.010	61	196508	25.19	ug/l	98
19) Acrylonitrile	8.075	53	204403	125.23	ug/l	99
20) Methyl Tert Butyl Ether	7.935	73	297920	18.58	ug/l	94
21) Hexane	8.204	57	59852	18.34	ug/l	94
22) 1,1-Dichloroethane	8.560	63	651301	63.02	ug/l	99
23) Vinyl Acetate	8.495	43	1146963	116.03	ug/l	99
24) Di-isopropyl ether	8.441	45	306622	19.54	ug/l	93
25) Ethyl tert-butyl ether	8.851	59	313346	18.87	ug/l	98
26) 2,2-Dichloropropane	9.206	77	196520	27.75	ug/l	84
27) cis-1,2-Dichloroethene	9.217	96	371250	57.77	ug/l	98
28) 2-Butanone	9.142	43	229953	41.58	ug/l	100
29) Bromochloromethane	9.497	128	101628	26.66	ug/l #	92
30) Chloroform	9.519	83	304613	26.58	ug/l	99
31) Tetrahydrofuran	9.487	42	57066	43.69	ug/l #	1
32) 1,1,1-Trichloroethane	9.745	97	225495	27.72	ug/l	98
34) Cyclohexane	9.756	56	120746	21.30	ug/l	97
35) n-Butyl Alcohol	10.553	43	24131	445.28	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0175\
Data File : C0003991.D
Acq On : 14 Oct 2009 2:21 pm
Operator : AnjanaP
Sample : t39308-1ms
Misc : ms7110,VC0175,5,,,5,,WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 15 08:50:51 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:49:21 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,1-Dichloropropene	9.896	75	188525	25.02	ug/l	97
37) Isobutyl Alcohol	9.864	43	76372	485.43	ug/L #	92
38) Carbon Tetrachloride	9.885	117	204990	28.86	ug/l	99
40) Benzene	10.133	78	665830	27.28	ug/l	89
41) 1,2-Dichloroethane	10.198	62	230482	28.76	ug/l	96
42) tert-amyl methyl ether	10.112	73	325394	19.68	ug/l	91
43) Trichloroethene	10.769	95	1491768	252.86	ug/l	99
44) Methylcyclohexane	10.931	83	102122	20.49	ug/l	96
45) 1,2-Dichloropropane	11.071	63	144388	25.00	ug/l	96
46) Dibromomethane	11.211	93	100998	25.20	ug/l	98
47) 1,4-Dioxane	11.135	88	24825	395.64	ug/l	96
48) Bromodichloromethane	11.308	83	199800	25.40	ug/l	100
49) 2-Nitropropane	11.588	41	131247	106.84	ug/l	92
50) 2-Chloroethyl vinyl ether	11.696	63	150749	36.48	ug/l #	26
51) 4-Methyl-2-pentanone	11.836	43	501364	120.88	ug/l	98
52) cis-1,3-Dichloropropene	11.760	75	207580	20.27	ug/l	97
55) Toluene	12.073	91	647189	22.15	ug/l	99
56) trans-1,3-Dichloropropene	12.310	75	206479	21.82	ug/l	99
57) 1,1,2-Trichloroethane	12.526	83	125204	22.24	ug/l	98
58) Tetrachloroethene	12.633	166	157425	22.33	ug/l	99
59) 2-hexanone	12.666	43	329453	101.94	ug/l	99
60) 1,3-Dichloropropane	12.720	76	247264	23.33	ug/l	97
61) Dibromochloromethane	12.957	129	161484	22.28	ug/l	99
62) 1,2-Dibromoethane	13.129	107	137953	21.83	ug/l	96
63) 1-Chlorohexane	13.409	91	83122	16.40	ug/l	90
64) Chlorobenzene	13.571	112	477314	23.18	ug/l	97
65) 1,1,1,2-Tetrachloroethane	13.636	131	170022	24.17	ug/l	98
66) Ethylbenzene	13.593	91	640493	23.12	ug/l	98
67) m,p-Xylene	13.711	91	982949	43.55	ug/l	100
68) o-Xylene	14.153	91	440228	19.15	ug/l	95
69) Styrene	14.164	104	395715	19.26	ug/l	99
70) Bromoform	14.465	173	114547	22.84	ug/kg	98
72) Isopropylbenzene	14.487	105	370103	17.67	ug/l	100
73) Cyclohexanone	14.735	55	15700	129.35	ug/l #	13
75) Bromobenzene	14.950	156	216609	22.39	ug/l	100
76) 1,1,2,2-Tetrachloroethane	14.853	83	196532	22.70	ug/l	99
77) Trans-1,4-Dichloro-2-b...	14.907	53	46809	20.68	ug/l	92
78) 1,2,3-Trichloropropane	14.950	110	55696	21.14	ug/l	99
79) n-Propylbenzene	14.907	91	529056	19.14	ug/l	100
80) 2-Chlorotoluene	15.091	91	471954	21.00	ug/l	98
81) 4-Chlorotoluene	15.198	91	394753	19.02	ug/l	99
82) 1,3,5-Trimethylbenzene	15.069	105	356462	17.71	ug/l	99
83) sec-Butylbenzene	15.651	105	360346	16.51	ug/l	97
84) 1,3-Dichlorobenzene	15.888	146	307609	21.00	ug/l	99
85) 4-Isopropyltoluene	15.770	119	295856	19.16	ug/l	99
86) 1,4-Dichlorobenzene	15.985	146	349511	20.73	ug/l	99
87) tert-Butylbenzene	15.425	91	164327	16.58	ug/l	98
88) n-Butylbenzene	16.211	91	259353	15.93	ug/l	96
89) 1,2-Dichlorobenzene	16.416	146	299168	20.29	ug/l	99
90) 1,2,4-Trimethylbenzene	15.479	105	417167	18.98	ug/l	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0175\
Data File : C0003991.D
Acq On : 14 Oct 2009 2:21 pm
Operator : AnjanaP
Sample : t39308-1ms
Misc : ms7110,VC0175,5,,,5,,WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 15 08:50:51 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:49:21 2009
Response via : Initial Calibration

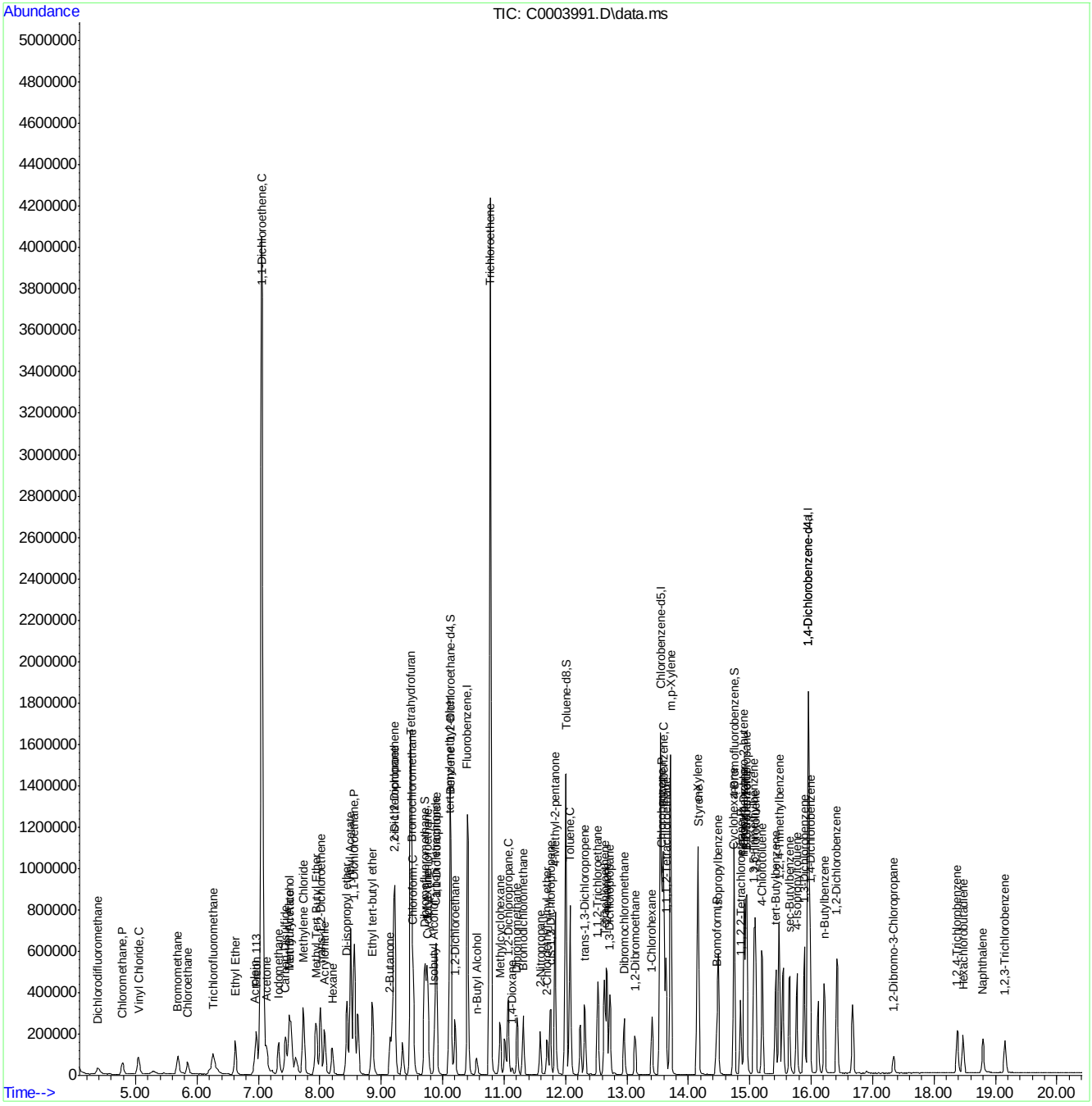
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
91) 1,2-Dibromo-3-Chloropr...	17.343	75	25515	22.98 ug/l	97
92) 1,2,4-Trichlorobenzene	18.378	180	99998	15.48 ug/l	99
93) Hexachlorobutadiene	18.474	225	57619	15.55 ug/l	97
94) Naphthalene	18.798	128	183980	14.64 ug/l	100
95) 1,2,3-Trichlorobenzene	19.153	180	80900	16.80 ug/l	98
97) TPH-GRO (C6-C10)	11.619	TIC	59550153m	Below Cal	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0175\
Data File : C0003991.D
Acq On : 14 Oct 2009 2:21 pm
Operator : AnjanaP
Sample : t39308-1ms
Misc : ms7110,VC0175,5,,,5,,WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 15 08:50:51 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:49:21 2009
Response via : Initial Calibration



ACCUTEST Laboratories T39513

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0175\
Data File : C0003992.D
Acq On : 14 Oct 2009 2:50 pm
Operator : AnjanaP
Sample : t39308-1msd
Misc : ms7110,VC0175,5,,,5,,WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 15 08:50:53 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:49:21 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.403	96	1256212	50.00	ug/kg	0.00
53) Chlorobenzene-d5	13.539	117	1107442	50.00	ug/l	-0.01
71) 1,4-Dichlorobenzene-d4	15.953	152	574627	50.00	ug/kg	0.00
96) 1,4-Dichlorobenzene-d4a	15.953	152	574627	50.00	ug/kg	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	9.702	113	326323	51.03	ug/l	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 102.06%			
39) 1,2-Dichloroethane-d4	10.123	65	359351	51.92	ug/l	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 103.84%			
54) Toluene-d8	11.998	98	1124182	49.19	ug/l	-0.01
Spiked Amount 50.000	Range 87 - 119		Recovery = 98.38%			
74) 4-Bromofluorobenzene	14.746	95	381681	42.83	ug/l	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 85.66%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.378	85	86807	17.44	ug/l	91
3) Chloromethane	4.777	50	93785	20.23	ug/l	99
4) Vinyl Chloride	5.047	62	140901	30.53	ug/l	95
5) Bromomethane	5.682	94	89703	24.46	ug/l	95
6) Chloroethane	5.844	64	68144	24.63	ug/l	97
7) Trichlorofluoromethane	6.264	101	191262	24.60	ug/l	97
8) Ethyl Ether	6.620	59	112647	25.33	ug/l	99
9) Acrolein	6.954	56	2131	47.03	ug/l	94
10) 1,1-Dichloroethene	7.051	61	3390443	425.14	ug/l	99
11) Freon 113	6.965	101	135044	26.17	ug/l	96
12) Acetone	7.127	43	189715	144.94	ug/l	95
13) Iodomethane	7.331	142	234091	22.96	ug/l	99
14) Methyl Acetate	7.504	43	407363	118.77	ug/l	98
15) Carbon Disulfide	7.439	76	413005	23.65	ug/l	98
16) Methylene Chloride	7.730	49	178730	22.22	ug/l	99
17) Tert Butyl Alcohol	7.493	59	37603	243.35	ug/l #	84
18) trans-1,2-Dichloroethene	8.010	61	195424	24.57	ug/l	99
19) Acrylonitrile	8.075	53	215854	129.68	ug/l	97
20) Methyl Tert Butyl Ether	7.935	73	325313	19.79	ug/l	94
21) Hexane	8.204	57	60032	18.04	ug/l	92
22) 1,1-Dichloroethane	8.560	63	618923	58.72	ug/l	98
23) Vinyl Acetate	8.495	43	1190125	118.22	ug/l	100
24) Di-isopropyl ether	8.441	45	320109	19.99	ug/l	94
25) Ethyl tert-butyl ether	8.851	59	329818	19.44	ug/l	98
26) 2,2-Dichloropropane	9.206	77	191892	26.57	ug/l	89
27) cis-1,2-Dichloroethene	9.217	96	359667	54.88	ug/l	98
28) 2-Butanone	9.142	43	258753	45.88	ug/l	100
29) Bromochloromethane	9.497	128	99613	25.62	ug/l #	91
30) Chloroform	9.519	83	291725	24.96	ug/l	100
31) Tetrahydrofuran	9.487	42	60211	45.22	ug/l #	1
32) 1,1,1-Trichloroethane	9.735	97	212386	25.60	ug/l	98
34) Cyclohexane	9.756	56	120999	20.94	ug/l	98
35) n-Butyl Alcohol	10.554	43	26064	469.30	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0175\
Data File : C0003992.D
Acq On : 14 Oct 2009 2:50 pm
Operator : AnjanaP
Sample : t39308-1msd
Misc : ms7110,VC0175,5,,,5,,WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 15 08:50:53 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:49:21 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) 1,1-Dichloropropene	9.896	75	181782	23.65	ug/l		95
37) Isobutyl Alcohol	9.864	43	83277	517.75	ug/L		95
38) Carbon Tetrachloride	9.885	117	193835	26.76	ug/l		98
40) Benzene	10.133	78	635865	25.55	ug/l		88
41) 1,2-Dichloroethane	10.198	62	224479	27.47	ug/l		98
42) tert-amyl methyl ether	10.112	73	338141	20.04	ug/l		92
43) Trichloroethene	10.769	95	1410985	234.53	ug/l		98
44) Methylcyclohexane	10.931	83	97909	19.36	ug/l		96
45) 1,2-Dichloropropane	11.071	63	140163	23.79	ug/l		94
46) Dibromomethane	11.211	93	100482	24.59	ug/l		97
47) 1,4-Dioxane	11.136	88	26740	415.24	ug/l		95
48) Bromodichloromethane	11.308	83	196660	24.52	ug/l		99
49) 2-Nitropropane	11.588	41	137333	109.21	ug/l		96
50) 2-Chloroethyl vinyl ether	11.696	63	152610	36.16	ug/l	#	25
51) 4-Methyl-2-pentanone	11.836	43	542385	128.50	ug/l		98
52) cis-1,3-Dichloropropene	11.750	75	208364	19.96	ug/l		95
55) Toluene	12.073	91	624754	21.27	ug/l		98
56) trans-1,3-Dichloropropene	12.310	75	210948	22.18	ug/l		98
57) 1,1,2-Trichloroethane	12.526	83	125979	22.28	ug/l		98
58) Tetrachloroethene	12.634	166	152100	21.48	ug/l		99
59) 2-hexanone	12.666	43	374761	115.30	ug/l		97
60) 1,3-Dichloropropane	12.720	76	245757	23.09	ug/l		98
61) Dibromochloromethane	12.957	129	159326	21.92	ug/l		99
62) 1,2-Dibromoethane	13.129	107	137584	21.68	ug/l		98
63) 1-Chlorohexane	13.409	91	83309	16.38	ug/l		88
64) Chlorobenzene	13.571	112	457896	22.14	ug/l		96
65) 1,1,1,2-Tetrachloroethane	13.636	131	164387	23.27	ug/l		98
66) Ethylbenzene	13.593	91	621240	22.33	ug/l		100
67) m,p-Xylene	13.711	91	952689	41.97	ug/l		99
68) o-Xylene	14.153	91	435582	18.87	ug/l		97
69) Styrene	14.164	104	386410	18.73	ug/l		99
70) Bromoform	14.466	173	113787	22.62	ug/kg		97
72) Isopropylbenzene	14.487	105	369721	17.56	ug/l		99
73) Cyclohexanone	14.735	55	15693	128.77	ug/l	#	24
75) Bromobenzene	14.951	156	214816	22.08	ug/l		96
76) 1,1,2,2-Tetrachloroethane	14.854	83	201645	23.17	ug/l		99
77) Trans-1,4-Dichloro-2-b...	14.907	53	49993	21.94	ug/l		91
78) 1,2,3-Trichloropropane	14.951	110	58387	22.05	ug/l		96
79) n-Propylbenzene	14.907	91	521266	18.76	ug/l		99
80) 2-Chlorotoluene	15.091	91	462084	20.44	ug/l		99
81) 4-Chlorotoluene	15.198	91	390640	18.72	ug/l		97
82) 1,3,5-Trimethylbenzene	15.069	105	353946	17.50	ug/l		99
83) sec-Butylbenzene	15.651	105	369280	16.81	ug/l		96
84) 1,3-Dichlorobenzene	15.888	146	305995	20.79	ug/l		98
85) 4-Isopropyltoluene	15.770	119	304125	19.59	ug/l		98
86) 1,4-Dichlorobenzene	15.985	146	347023	20.48	ug/l		99
87) tert-Butylbenzene	15.425	91	167056	16.76	ug/l		97
88) n-Butylbenzene	16.211	91	270105	16.49	ug/l		99
89) 1,2-Dichlorobenzene	16.416	146	301792	20.36	ug/l		99
90) 1,2,4-Trimethylbenzene	15.479	105	414071	18.75	ug/l		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0175\
Data File : C0003992.D
Acq On : 14 Oct 2009 2:50 pm
Operator : AnjanaP
Sample : t39308-1msd
Misc : ms7110,VC0175,5,,,5,,WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 15 08:50:53 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:49:21 2009
Response via : Initial Calibration

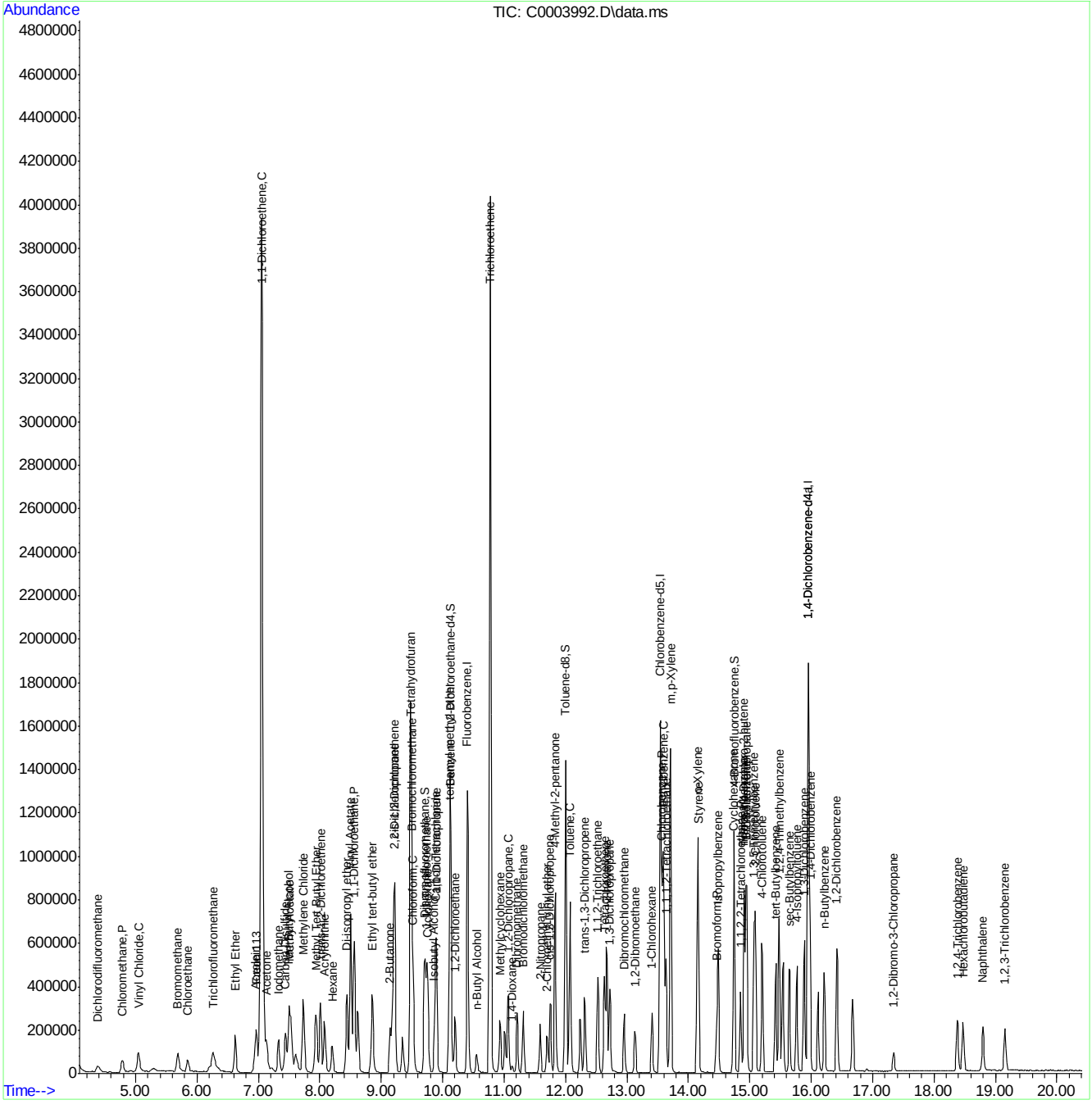
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
91) 1,2-Dibromo-3-Chloropr...	17.343	75	27030	24.22 ug/l	96
92) 1,2,4-Trichlorobenzene	18.388	180	111419	17.16 ug/l	96
93) Hexachlorobutadiene	18.475	225	70975	19.15 ug/l	99
94) Naphthalene	18.798	128	227973	17.24 ug/l	99
95) 1,2,3-Trichlorobenzene	19.154	180	99629	20.58 ug/l	95
97) TPH-GRO (C6-C10)	11.619	TIC	59448633m	Below Cal	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0175\
Data File : C0003992.D
Acq On : 14 Oct 2009 2:50 pm
Operator : AnjanaP
Sample : t39308-1msd
Misc : ms7110,VC0175,5,,,5,,WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 15 08:50:53 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:49:21 2009
Response via : Initial Calibration



VC168.m Thu Oct 15 11:14:04 2009 Page: 4

ACCUTEST Laboratories T39513

Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Laidlaw
10/15/09 18:20

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3601\F020764.D Vial: 19
Acq On : 14 Oct 2009 7:01 pm Operator: AnjanaP
Sample : t39646-6ms Inst : GC/MS F
Misc : ms7105,vf3602,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 15 09:28:03 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Wed Oct 14 13:44:25 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.64	96	925486	50.00	ug/L	0.02
61) Chlorobenzene-d5	14.61	117	767573	50.00	ug/L	0.02
80) 1,4-Dichlorobenzene-d4	17.80	152	444834	50.00	ug/L	0.02
107) 1,4-Dichlorobenzene-d4a	17.80	152	444834	50.00	ug/kg	0.02
System Monitoring Compounds						
39) Dibromofluoromethane	9.83	113	282747	51.53	ug/L	0.01
Spiked Amount 50.000	Range 79 - 122		Recovery = 103.06%			
45) 1,2-Dichloroethane-d4	10.31	65	357840	51.40	ug/L	0.02
Spiked Amount 50.000	Range 75 - 121		Recovery = 102.80%			
62) Toluene-d8	12.59	98	813539	45.83	ug/L	0.02
Spiked Amount 50.000	Range 87 - 119		Recovery = 91.66%			
83) 4-Bromofluorobenzene	16.17	95	356264	42.44	ug/L	0.02
Spiked Amount 50.000	Range 80 - 133		Recovery = 84.88%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.64	85	84169	16.19	ug/L	100
3) Chloromethane	5.01	50	70851	14.33	ug/L	99
4) Vinyl Chloride	5.23	62	81487	20.29	ug/L	91
5) Bromomethane	5.83	94	75154	24.61	ug/L	98
6) Chloroethane	5.98	64	59674	24.15	ug/L	98
7) Trichlorofluoromethane	6.34	101	170002	21.17	ug/L	100
8) Acrolein	8.18	56	46046	114.78	ug/L	97
9) Ethyl Ether	6.63	59	82021	24.60	ug/L	96
10) 1,1-Dichloroethene	7.07	61	170178	26.24	ug/L	97
11) Freon 113	6.96	101	113844	27.31	ug/L	98
12) Acetone	7.11	43	150511	120.43	ug/L	99
13) Iodomethane	7.38	142	207952	28.93	ug/L	95
14) Methyl acetate	7.47	43	308456	116.60	ug/L	97
15) Allyl Chloride	7.52	41	140172	28.89	uL/L	94
16) Carbon Disulfide	7.52	76	324289	25.38	ug/L	93
17) Acetonitrile	7.52	41	79818m	94.77	uL/L	
18) Methylene Chloride	7.75	49	130115	23.64	ug/L	94
19) Tert Butyl Alcohol	7.67	59	98636	255.43	ug/L	94
20) trans-1,2-Dichloroethene	8.01	61	158145	26.16	ug/L	96
21) Acrylonitrile	8.07	53	127471	117.79	ug/L	94
22) Methyl Tert Butyl Ether	7.91	73	344430	25.15	ug/L	97
23) Hexane	8.18	57	77342	23.16	ug/L	91
24) 1,1-Dichloroethane	8.58	63	191977	25.14	ug/L	96
25) Vinyl acetate	8.49	43	1104311	115.18	ug/L	98
26) Di-isopropyl ether	8.41	45	354771	23.74	ug/L	98
27) Chloroprene	8.64	53	207781	29.35	uL/L	95
28) Ethyl tert-butyl ether	8.85	59	364529	24.83	ug/L	98
29) 2,2-Dichloropropane	9.27	77	141610	22.46	ug/L	95
30) cis-1,2-Dichloroethene	9.29	96	131639	25.05	ug/L	90
31) Ethyl Acetate	9.17	43	222062	42.92	uL/L	99
32) 2-Butanone	9.17	43	427276m	82.59	ug/L	
33) Propionitrile	9.41	54	104819	264.86	uL/L	98
34) Methacrylonitrile	9.56	41	657668	189.19	uL/L	90
35) Bromochloromethane	9.61	128	69603	26.76	ug/L	90

(#) = qualifier out of range (m) = manual integration
F020764.D VF3547AP9G.M Thu Oct 15 09:38:04 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3601\F020764.D Vial: 19
Acq On : 14 Oct 2009 7:01 pm Operator: AnjanaP
Sample : t39646-6ms Inst : GC/MS F
Misc : ms7105,vf3602,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 15 09:28:03 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Wed Oct 14 13:44:25 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
36)	Chloroform	9.62	83	251160	24.81	ug/L		98
37)	Tetrahydrofuran	9.18	42	21734	8.35	ug/L		93
38)	1,1,1-Trichloroethane	9.88	97	216659	24.83	ug/L		98
40)	Cyclohexane	9.90	56	139292	26.53	ug/L		95
41)	Isobutyl Alcohol	9.98	43	66381	1025.03	uL/L		89
42)	n-Butyl Alcohol	10.78	56	40133	1030.98	ug/L		80
43)	1,1-Dichloropropene	10.05	75	170375	26.21	ug/L		87
44)	Carbon Tetrachloride	10.05	117	192960	25.38	ug/L		98
46)	Benzene	10.33	78	649436	42.77	ug/L		92
47)	1,2-Dichloroethane	10.41	62	209970	23.83	ug/L		97
48)	tert-amyl methyl ether	10.28	73	360745	26.09	ug/L		97
49)	Trichloroethene	11.09	95	133061	25.55	ug/L		96
50)	Methylcyclohexane	11.27	83	123699	25.29	ug/L		95
51)	Methyl Methacrylate	11.33	41	108324	26.71	uL/L		93
52)	1,2-Dichloropropane	11.44	63	92816	24.84	ug/L		90
53)	Dibromomethane	11.63	93	91954	25.55	ug/L		97
54)	1,4-Dioxane	11.51	88	19969	532.22	ug/L		93
55)	Bromodichloromethane	11.74	83	200332	22.93	ug/L		98
56)	2-Nitropropane	12.06	41	213757	115.94	ug/L		98
57)	2-Chloroethyl vinyl ether	12.23	63	104481	54.32	ug/L	#	13
58)	1-Bromo-2-Chloroethane	12.23	63	103316	18.93	uL/L		98
59)	4-Methyl-2-pentanone	12.35	43	448897	124.31	ug/L		98
60)	cis-1,3-Dichloropropene	12.28	75	193356	23.69	ug/L		93
63)	Toluene	12.68	91	468760	22.77	ug/L		99
64)	Ethyl Methacrylate	12.87	69	147002	22.39	uL/:		96
65)	trans-1,3-Dichloropropene	12.99	75	192149	21.52	ug/L		96
66)	1,1,2-Trichloroethane	13.26	83	84194	21.85	ug/L		91
67)	Tetrachloroethene	13.41	166	149373	23.08	ug/L		98
68)	2-hexanone	13.43	43	319002	108.03	ug/L		94
69)	1,3-Dichloropropane	13.52	76	187196	21.60	ug/L		92
70)	Dibromochloromethane	13.83	129	140371	21.13	ug/L		98
71)	1,2-Dibromoethane	14.07	107	119564	22.09	ug/L		98
72)	1-Chlorohexane	14.40	91	157405	21.81	ug/L		89
73)	Chlorobenzene	14.65	112	305319	22.35	ug/L		96
74)	1,1,1,2-Tetrachloroethane	14.73	131	126091	21.34	ug/L		96
75)	Ethylbenzene	14.67	91	648870	25.31	ug/L		97
76)	m,p-Xylene	14.82	91	866743	43.94	ug/L		97
77)	o-Xylene	15.40	91	460593	22.45	ug/L		97
78)	Styrene	15.42	104	310651	21.29	ug/L		96
79)	Bromoform	15.82	173	97855	20.70	ug/L		98
81)	Isopropylbenzene	15.83	105	446560	22.17	ug/L		98
82)	Cyclohexanone	16.17	55	14728	88.64	ug/L	#	18
84)	Bromobenzene	16.44	156	153921	21.38	ug/L		99
85)	1,1,2,2-Tetrachloroethane	16.30	83	113921	20.69	ug/L		100
86)	Trans-1,4-Dichloro-2-Buten	16.37	53	26285	12.90	ug/L	#	83
87)	1,2,3-Trichloropropane	16.43	110	39818	18.97	ug/L		88
88)	n-Propylbenzene	16.37	91	559762	20.27	ug/L		99
89)	2-Chlorotoluene	16.62	91	412432	20.10	ug/L		99
90)	4-Chlorotoluene	16.77	91	380261	19.84	ug/L		94

(#) = qualifier out of range (m) = manual integration

ACCUTEST Laboratories T39513

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3601\F020764.D Vial: 19
Acq On : 14 Oct 2009 7:01 pm Operator: AnjanaP
Sample : t39646-6ms Inst : GC/MS F
Misc : ms7105,vf3602,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 15 09:28:03 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Wed Oct 14 13:44:25 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	1,3,5-Trimethylbenzene	16.57	105	368009	20.14	ug/L	99
92)	Pentachloroethane	17.23	167	91576	19.72	uL/L	98
93)	sec-Butylbenzene	17.36	105	395436	19.63	ug/L	97
94)	1,3-Dichlorobenzene	17.71	146	234620	20.86	ug/L	96
95)	4-Isopropyltoluene	17.51	119	313811	19.16	ug/L	100
96)	1,4-Dichlorobenzene	17.84	146	246744	21.30	ug/L	99
97)	tert-Butylbenzene	17.36	91	69185	19.42	ug/L	85
98)	n-Butylbenzene	18.12	91	284596	17.95	ug/L	98
99)	1,2-Dichlorobenzene	18.42	146	215309	20.40	ug/L	97
100)	1,2,4-Trimethylbenzene	17.13	105	385538	19.75	ug/L	98
101)	Hexachloroethane	18.74	119	70404	18.14	uL/L	97
102)	1,2-Dibromo-3-Chloropropan	19.58	75	16187	15.73	ug/L	90
103)	1,2,4-Trichlorobenzene	20.78	180	53207	8.46	ug/L	97
104)	Hexachlorobutadiene	20.87	225	39302	14.22	ug/L	99
105)	Naphthalene	21.24	128	63253	6.54	ug/L	100
106)	1,2,3-Trichlorobenzene	21.66	180	15966	3.10	ug/L	97
108)	TPH-GRO (C6-C10)	12.34	TIC	40351019m	1648.40	ug/kg	

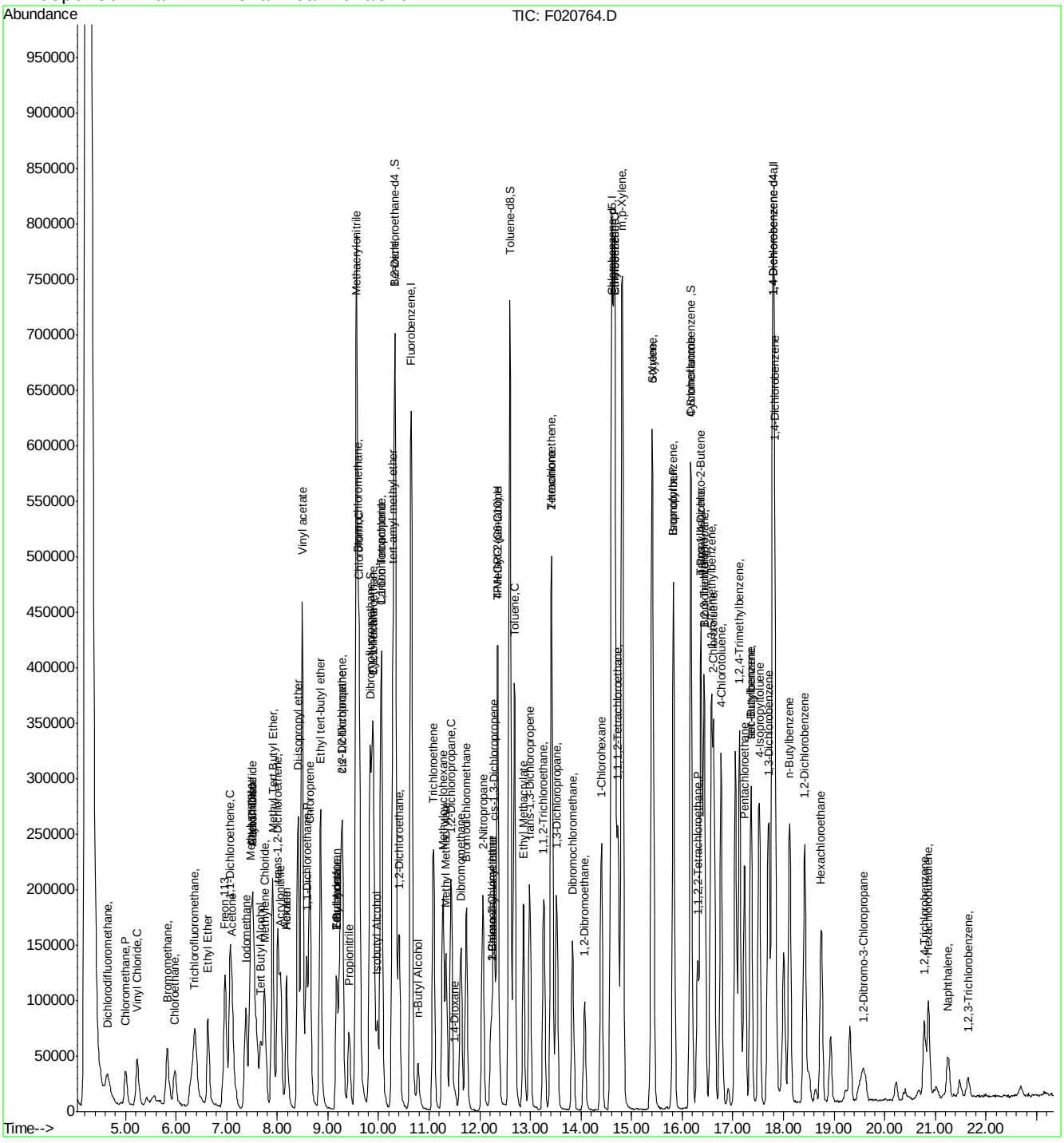
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ACCUTEST Laboratories T39513

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3601\F020764.D Vial: 19
Acq On : 14 Oct 2009 7:01 pm Operator: AnjanaP
Sample : t39646-6ms Inst : GC/MS F
Misc : ms7105,vf3602,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 15 9:29 2009 Quant Results File: VF3547AP9G.RES

Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Wed Oct 14 13:44:25 2009
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Laidlaw
10/15/09 18:20

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3601\F020765.D Vial: 20
Acq On : 14 Oct 2009 7:31 pm Operator: AnjanaP
Sample : t39646-6msd Inst : GC/MS F
Misc : ms7105,vf3602,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 15 09:28:05 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Wed Oct 14 13:44:25 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.64	96	957713	50.00	ug/L	0.02
61) Chlorobenzene-d5	14.61	117	757812	50.00	ug/L	0.02
80) 1,4-Dichlorobenzene-d4	17.80	152	443125	50.00	ug/L	0.02
107) 1,4-Dichlorobenzene-d4a	17.80	152	443125	50.00	ug/kg	0.02

System Monitoring Compounds						
39) Dibromofluoromethane	9.83	113	284648	50.13	ug/L	0.01
Spiked Amount 50.000	Range 79 - 122		Recovery = 100.26%			
45) 1,2-Dichloroethane-d4	10.31	65	355031	49.20	ug/L	0.02
Spiked Amount 50.000	Range 75 - 121		Recovery = 98.40%			
62) Toluene-d8	12.59	98	815374	46.48	ug/L	0.02
Spiked Amount 50.000	Range 87 - 119		Recovery = 92.96%			
83) 4-Bromofluorobenzene	16.17	95	360143	43.05	ug/L	0.03
Spiked Amount 50.000	Range 80 - 133		Recovery = 86.10%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.63	85	82087	15.26	ug/L	98
3) Chloromethane	4.99	50	74998	14.68	ug/L	98
4) Vinyl Chloride	5.22	62	84634	20.37	ug/L	97
5) Bromomethane	5.81	94	76357	24.13	ug/L	98
6) Chloroethane	5.96	64	60180	23.53	ug/L	97
7) Trichlorofluoromethane	6.33	101	171143	20.59	ug/L	94
8) Acrolein	8.17	56	46627	112.32	ug/L	99
9) Ethyl Ether	6.62	59	82316	23.86	ug/L	96
10) 1,1-Dichloroethene	7.06	61	169281	25.22	ug/L	93
11) Freon 113	6.95	101	116665	27.04	ug/L	93
12) Acetone	7.11	43	149391	115.06	ug/L	96
13) Iodomethane	7.37	142	209709	28.19	ug/L	94
14) Methyl acetate	7.47	43	305176	111.57	ug/L	97
15) Allyl Chloride	7.52	41	142085	28.23	uL/L	86
16) Carbon Disulfide	7.51	76	329604	24.93	ug/L	92
17) Acetonitrile	7.52	41	49173m	53.37	uL/L	
18) Methylene Chloride	7.73	49	132497	23.26	ug/L	97
19) Tert Butyl Alcohol	7.66	59	92712	232.01	ug/L	91
20) trans-1,2-Dichloroethene	8.00	61	156890	25.08	ug/L	94
21) Acrylonitrile	8.06	53	134082	119.73	ug/L	90
22) Methyl Tert Butyl Ether	7.90	73	340633	24.03	ug/L	98
23) Hexane	8.17	57	79250	22.93	ug/L	92
24) 1,1-Dichloroethane	8.57	63	193176	24.44	ug/L	98
25) Vinyl acetate	8.48	43	1093479	110.21	ug/L	98
26) Di-isopropyl ether	8.40	45	363944	23.54	ug/L	96
27) Chloroprene	8.63	53	208184	28.42	uL/L	96
28) Ethyl tert-butyl ether	8.84	59	370976	24.42	ug/L	98
29) 2,2-Dichloropropane	9.26	77	138368	21.21	ug/L	95
30) cis-1,2-Dichloroethene	9.28	96	134248	24.69	ug/L	86
31) Ethyl Acetate	9.17	43	230208	43.00	uL/L	99
32) 2-Butanone	9.17	43	414312m	77.39	ug/L	
33) Propionitrile	9.41	54	102218	249.60	uL/L	98
34) Methacrylonitrile	9.55	41	649556	180.57	uL/L	90
35) Bromochloromethane	9.60	128	69809	25.93	ug/L	93

(#) = qualifier out of range (m) = manual integration
F020765.D VF3547AP9G.M Thu Oct 15 09:38:11 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3601\F020765.D Vial: 20
Acq On : 14 Oct 2009 7:31 pm Operator: AnjanaP
Sample : t39646-6msd Inst : GC/MS F
Misc : ms7105,vf3602,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 15 09:28:05 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Wed Oct 14 13:44:25 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
36)	Chloroform	9.61	83	249640	23.83 ug/L		98
37)	Tetrahydrofuran	9.17	42	20093	7.29 ug/L		97
38)	1,1,1-Trichloroethane	9.87	97	212766	23.57 ug/L		97
40)	Cyclohexane	9.89	56	137088	25.23 ug/L		95
41)	Isobutyl Alcohol	9.98	43	59377	889.35 uL/L		81
42)	n-Butyl Alcohol	10.78	56	36883	920.35 ug/L		79
43)	1,1-Dichloropropene	10.04	75	169871	25.25 ug/L		94
44)	Carbon Tetrachloride	10.05	117	187892	23.88 ug/L		98
46)	Benzene	10.33	78	663188	42.20 ug/L		90
47)	1,2-Dichloroethane	10.40	62	209517	22.98 ug/L		98
48)	tert-amyl methyl ether	10.27	73	357890	25.01 ug/L		97
49)	Trichloroethene	11.08	95	133524	24.74 ug/L		98
50)	Methylcyclohexane	11.27	83	123264	24.35 ug/L		95
51)	Methyl Methacrylate	11.33	41	104954	25.00 uL/L		98
52)	1,2-Dichloropropane	11.43	63	96083	24.85 ug/L		91
53)	Dibromomethane	11.62	93	89320	23.99 ug/L		99
54)	1,4-Dioxane	11.50	88	19043	490.46 ug/L		87
55)	Bromodichloromethane	11.74	83	195412	21.62 ug/L		98
56)	2-Nitropropane	12.05	41	201174	105.45 ug/L		96
57)	2-Chloroethyl vinyl ether	12.22	63	101644	51.06 ug/L	#	13
58)	1-Bromo-2-Chloroethane	12.22	63	100304	17.76 uL/L		99
59)	4-Methyl-2-pentanone	12.35	43	433932	116.12 ug/L		97
60)	cis-1,3-Dichloropropene	12.28	75	196824	23.30 ug/L		88
63)	Toluene	12.68	91	474605	23.35 ug/L		100
64)	Ethyl Methacrylate	12.86	69	145042	22.38 uL/:		99
65)	trans-1,3-Dichloropropene	12.99	75	188044	21.33 ug/L		95
66)	1,1,2-Trichloroethane	13.26	83	83628	21.98 ug/L		91
67)	Tetrachloroethene	13.41	166	144278	22.58 ug/L		99
68)	2-hexanone	13.42	43	303344	104.05 ug/L		95
69)	1,3-Dichloropropane	13.52	76	184861	21.61 ug/L		94
70)	Dibromochloromethane	13.83	129	135609	20.68 ug/L		98
71)	1,2-Dibromoethane	14.07	107	116503	21.80 ug/L		97
72)	1-Chlorohexane	14.40	91	154127	21.63 ug/L		89
73)	Chlorobenzene	14.65	112	301640	22.37 ug/L		97
74)	1,1,1,2-Tetrachloroethane	14.73	131	126068	21.62 ug/L		95
75)	Ethylbenzene	14.67	91	634850	25.08 ug/L		98
76)	m,p-Xylene	14.82	91	873520	44.85 ug/L		97
77)	o-Xylene	15.40	91	461910	22.80 ug/L		96
78)	Styrene	15.42	104	306954	21.30 ug/L		96
79)	Bromoform	15.82	173	91160	19.53 ug/L		94
81)	Isopropylbenzene	15.83	105	438765	21.87 ug/L		97
82)	Cyclohexanone	16.16	55	13192	79.99 ug/L	#	15
84)	Bromobenzene	16.43	156	151842	21.17 ug/L		97
85)	1,1,2,2-Tetrachloroethane	16.30	83	108478	19.78 ug/L		98
86)	Trans-1,4-Dichloro-2-Buten	16.38	53	25263	12.44 ug/L	#	83
87)	1,2,3-Trichloropropane	16.43	110	37986	18.17 ug/L		89
88)	n-Propylbenzene	16.37	91	553046	20.11 ug/L		98
89)	2-Chlorotoluene	16.63	91	405974	19.86 ug/L		98
90)	4-Chlorotoluene	16.77	91	378495	19.82 ug/L		95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3601\F020765.D Vial: 20
Acq On : 14 Oct 2009 7:31 pm Operator: AnjanaP
Sample : t39646-6msd Inst : GC/MS F
Misc : ms7105,vf3602,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 15 09:28:05 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Wed Oct 14 13:44:25 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

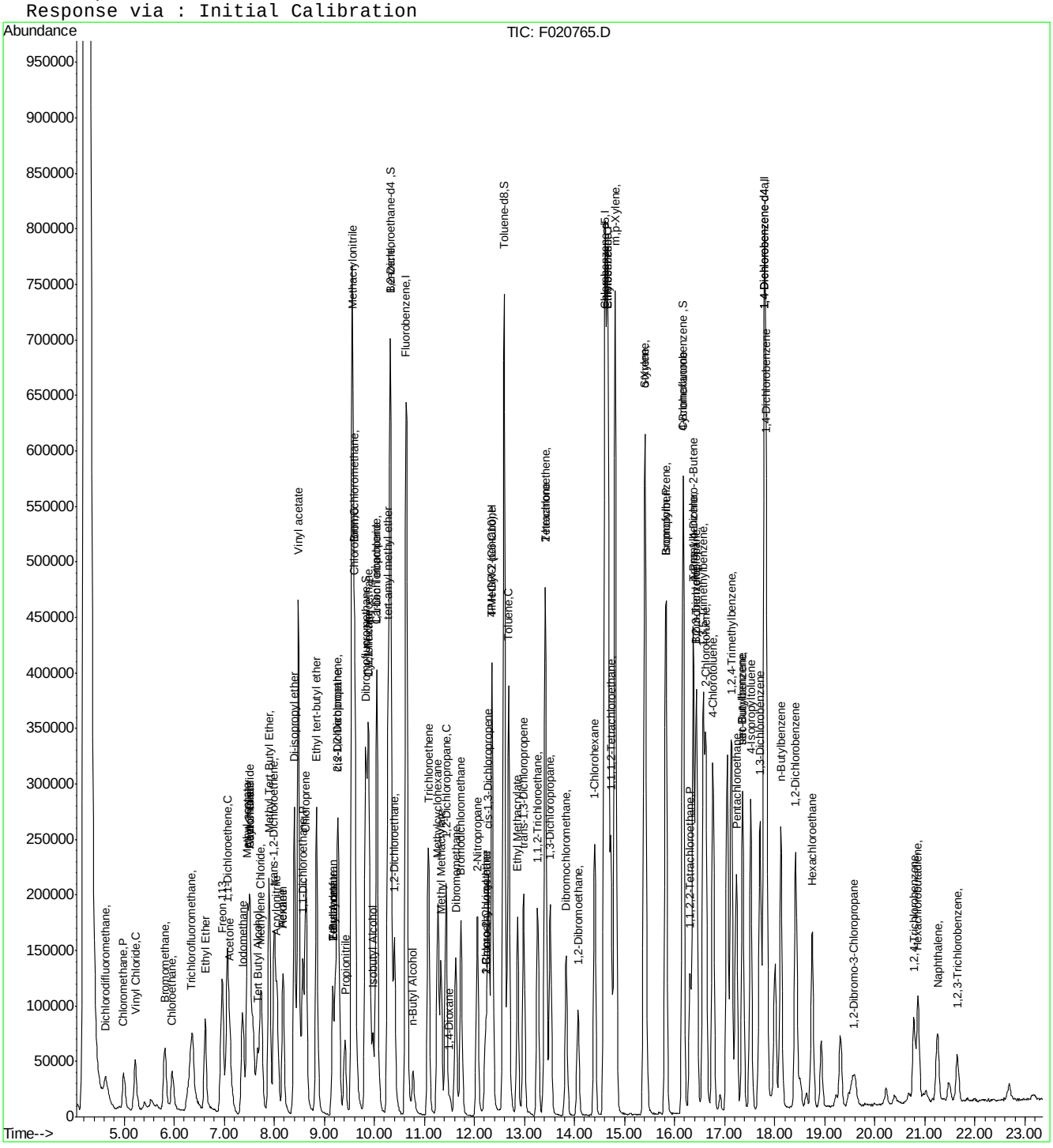
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	1,3,5-Trimethylbenzene	16.58	105	370606	20.36	ug/L	98
92)	Pentachloroethane	17.24	167	90350	19.53	uL/L	100
93)	sec-Butylbenzene	17.37	105	396095	19.74	ug/L	98
94)	1,3-Dichlorobenzene	17.71	146	232387	20.74	ug/L	99
95)	4-Isopropyltoluene	17.52	119	315460	19.33	ug/L	100
96)	1,4-Dichlorobenzene	17.84	146	243733	21.12	ug/L	98
97)	tert-Butylbenzene	17.36	91	72058	20.35	ug/L	97
98)	n-Butylbenzene	18.12	91	291555	18.46	ug/L	98
99)	1,2-Dichlorobenzene	18.42	146	211569	20.13	ug/L	96
100)	1,2,4-Trimethylbenzene	17.13	105	381286	19.60	ug/L	96
101)	Hexachloroethane	18.75	119	72359	18.72	uL/L	95
102)	1,2-Dibromo-3-Chloropropan	19.57	75	15838	15.39	ug/L	94
103)	1,2,4-Trichlorobenzene	20.79	180	62016	10.27	ug/L	93
104)	Hexachlorobutadiene	20.87	225	43401	16.18	ug/L	94
105)	Naphthalene	21.25	128	108261	12.74	ug/L	97
106)	1,2,3-Trichlorobenzene	21.65	180	33745	9.71	ug/L	95
108)	TPH-GRO (C6-C10)	12.34	TIC	40307311m	1650.83	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3601\F020765.D Vial: 20
Acq On : 14 Oct 2009 7:31 pm Operator: AnjanaP
Sample : t39646-6msd Inst : GC/MS F
Misc : ms7105,vf3602,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 15 9:30 2009 Quant Results File: VF3547AP9G.RES

Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Wed Oct 14 13:44:25 2009
Response via : Initial Calibration

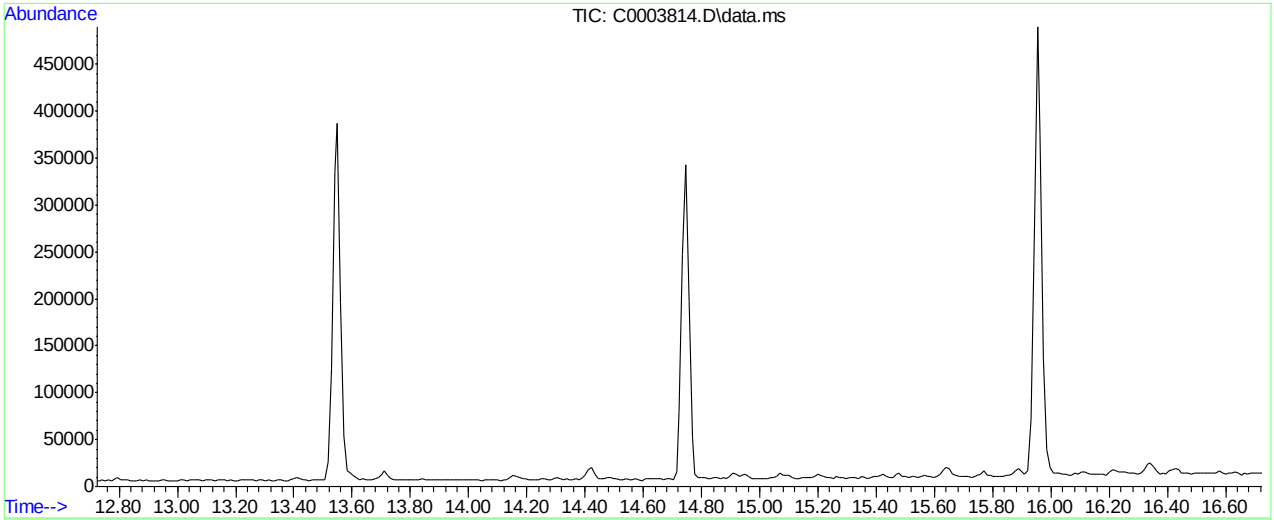


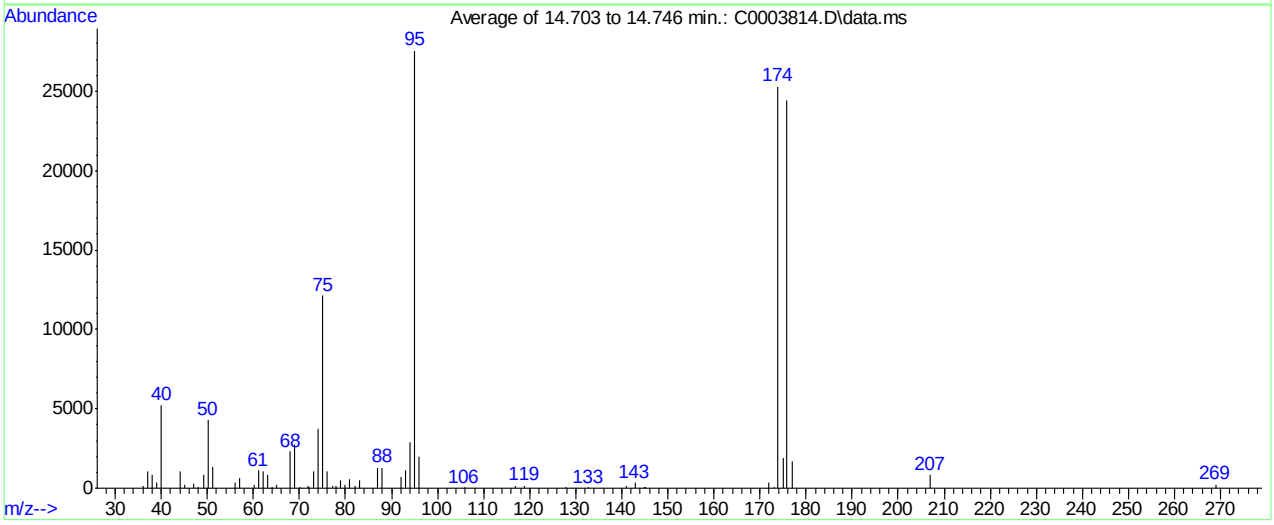
ACCUTEST Laboratories T39513

BFB

Data File : C:\msdchem\1\DATA\VC0168\C0003814.D Vial: 1
Acq On : 8 Oct 2009 9:01 am Operator: AnjanaP
Sample : bfb Inst : TXMSC
Misc : ms7089,VC0168,5,,,5,,WATER Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\VC168.m (RTE Integrator)
Title : SW846 8260B and EPA624





Spectrum Information: Average of 14.703 to 14.746 min.

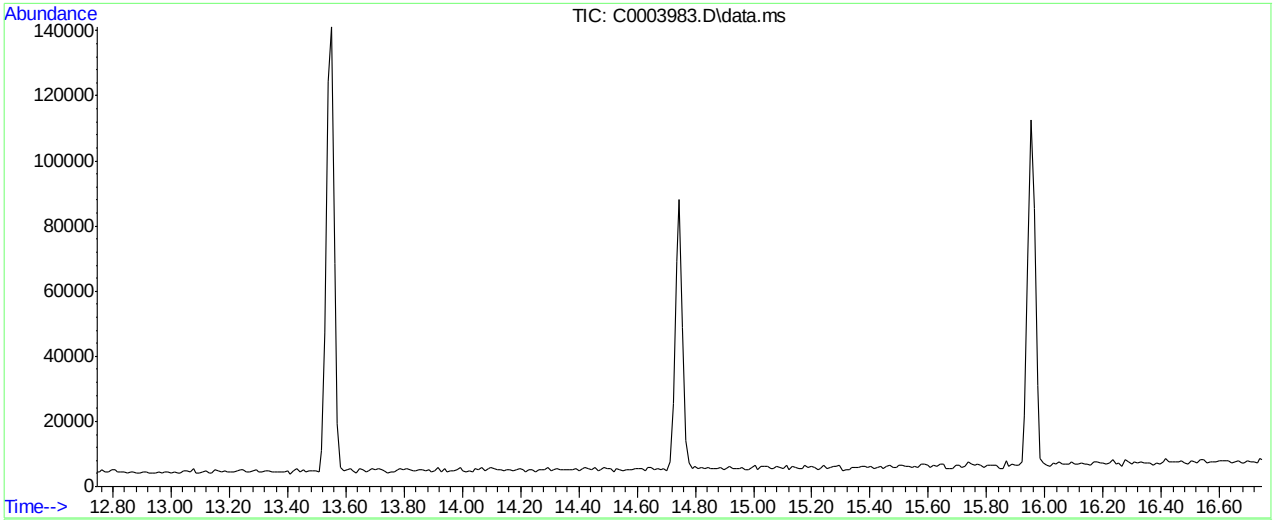
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.6	4297	PASS
75	95	30	60	44.0	12131	PASS
95	95	100	100	100.0	27563	PASS
96	95	5	9	7.1	1963	PASS
173	174	0.00	2	0.3	66	PASS
174	95	50	100	91.7	25283	PASS
175	174	5	9	7.5	1899	PASS
176	174	95	101	96.7	24446	PASS
177	176	5	9	7.0	1712	PASS

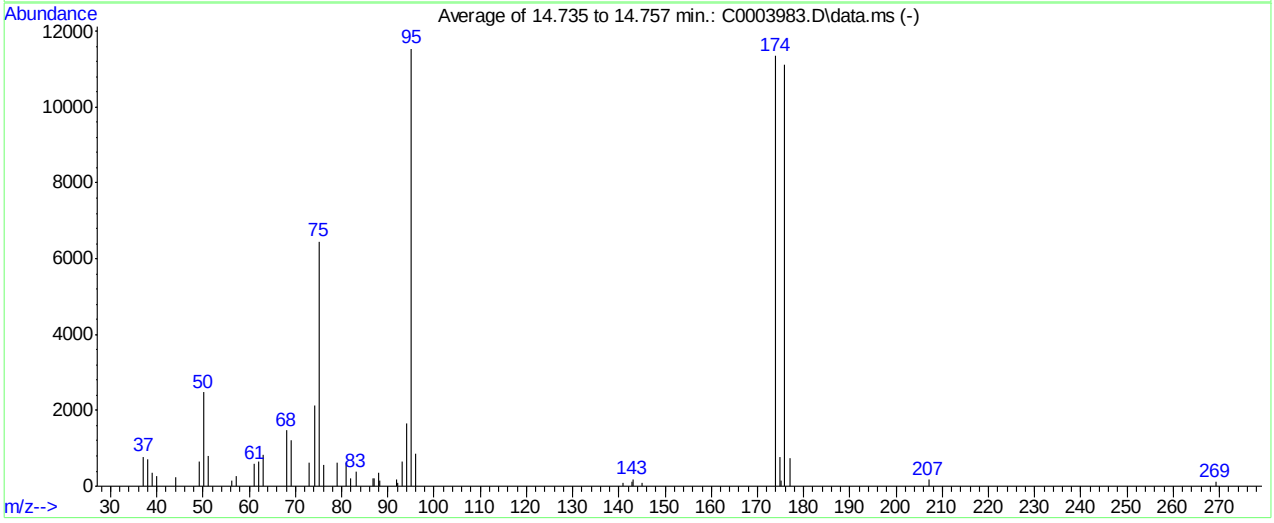
C0003814.D VC168.m Thu Oct 08 14:59:42 2009

BFB

Data File : C:\msdchem\1\DATA\VC0175\C0003983.D Vial: 2
Acq On : 14 Oct 2009 10:09 am Operator: AnjanaP
Sample : bfb Inst : TXMSC
Misc : ms7106,VC0176,5,,,5,,WATER Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\VC168.m (RTE Integrator)
Title : SW846 8260B and EPA624





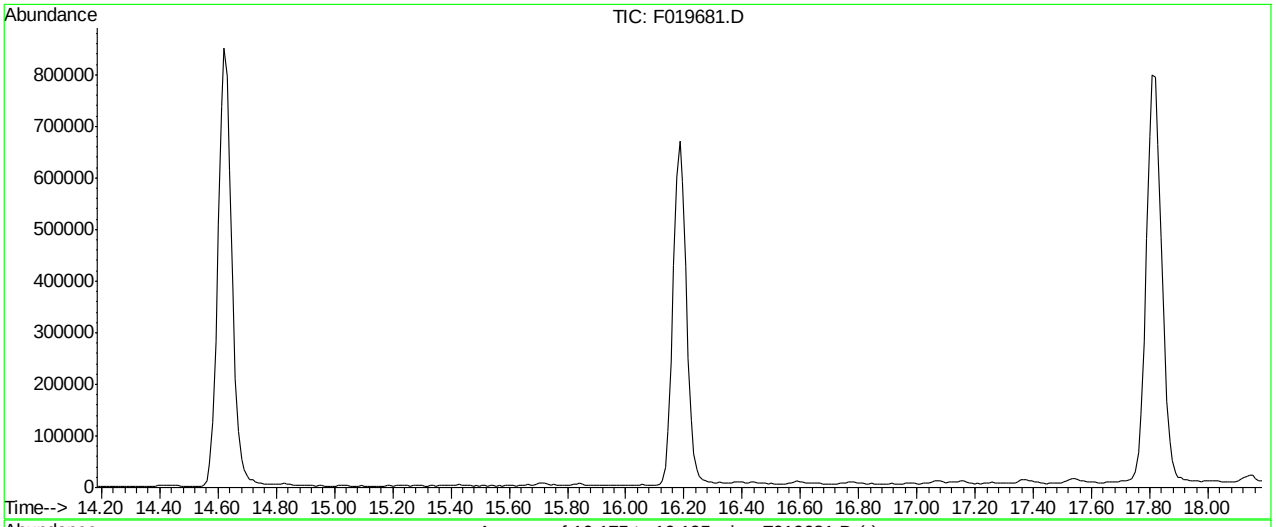
AutoFind: Scans 989, 990, 991; Background Corrected with Scan 984

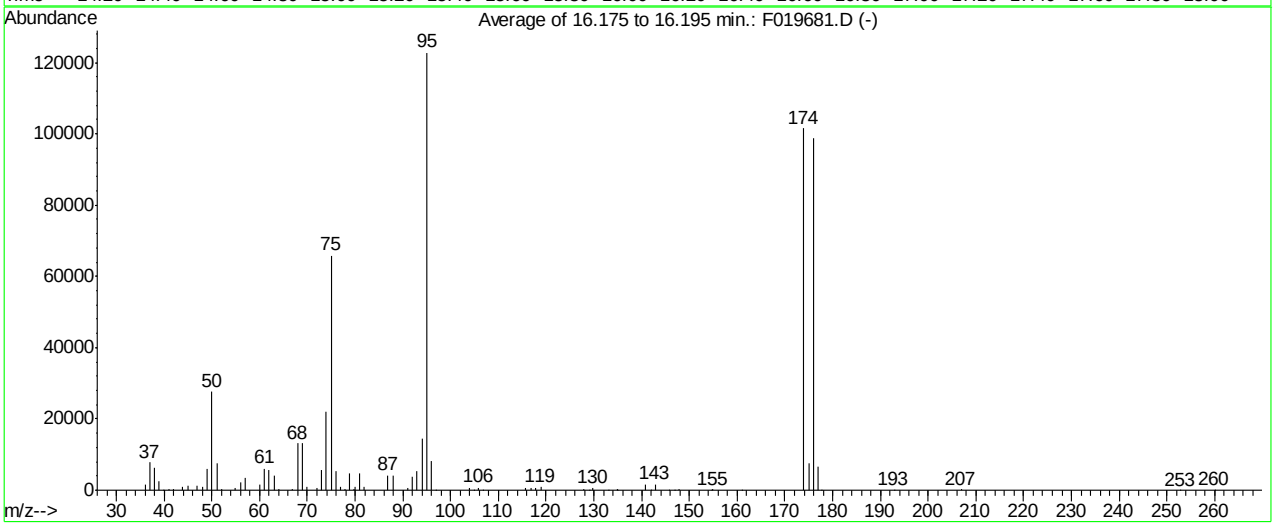
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.5	2480	PASS
75	95	30	60	55.9	6458	PASS
95	95	100	100	100.0	11547	PASS
96	95	5	9	7.4	857	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	98.2	11342	PASS
175	174	5	9	6.7	758	PASS
176	174	95	101	98.1	11126	PASS
177	176	5	9	6.8	752	PASS

C0003983.D VC168.m Thu Oct 15 11:40:57 2009

Methods: SW-846 8260B

Data File : C:\MSDCHEM\2\DATA\VF3548\F019681.D Vial: 5
Acq On : 14 Sep 2009 11:58 am Operator: AnjanaP
Sample : bfb Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624





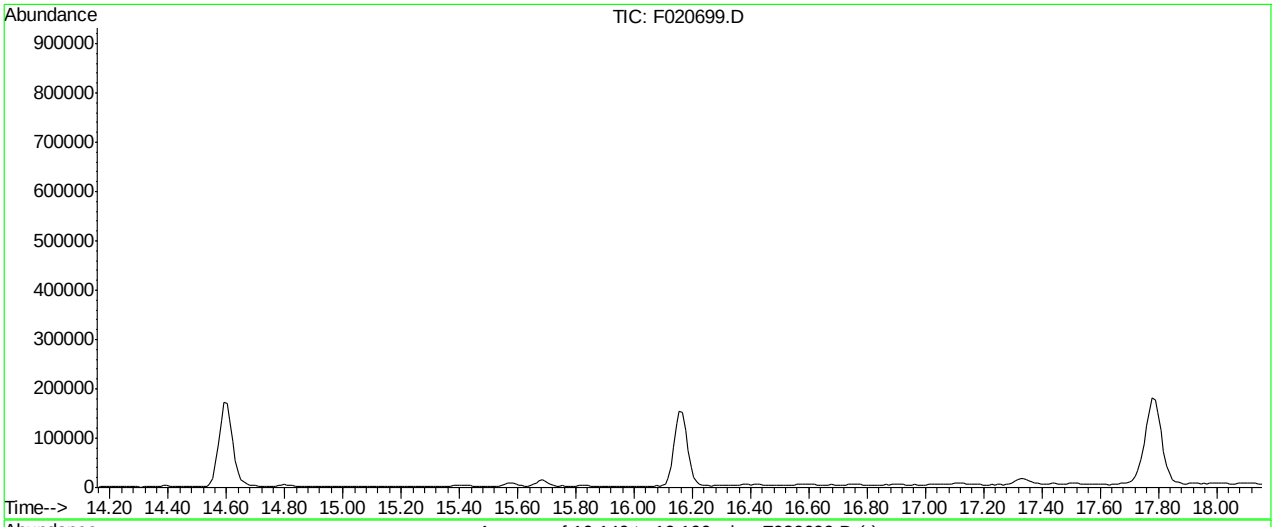
AutoFind: Scans 1233, 1234, 1235; Background Corrected with Scan 1224

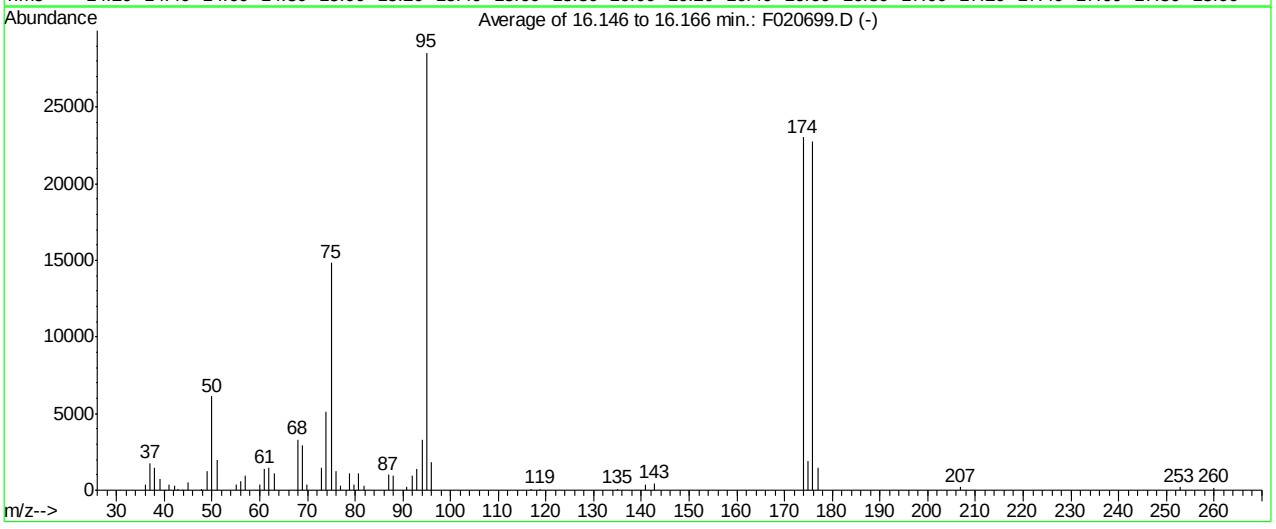
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.5	27589	PASS
75	95	30	60	53.6	65813	PASS
95	95	100	100	100.0	122850	PASS
96	95	5	9	6.8	8327	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	82.7	101570	PASS
175	174	5	9	7.5	7649	PASS
176	174	95	101	97.1	98674	PASS
177	176	5	9	6.7	6644	PASS

F019681.D VF3547.M Tue Sep 15 09:55:18 2009

Methods: SW-846 8260B

Data File : C:\MSDCHEM\2\DATA\VF3599\F020699.D Vial: 1
Acq On : 13 Oct 2009 8:56 am Operator: AnjanaP
Sample : bfb Inst : GC/MS F
Misc : ms7103,vf3599,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624





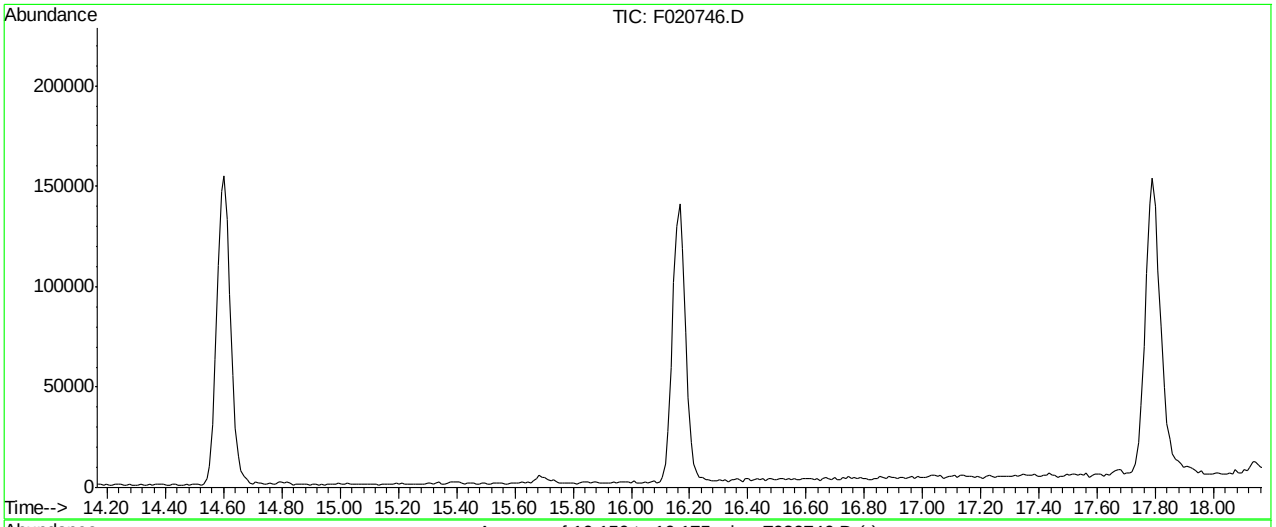
AutoFind: Scans 1230, 1231, 1232; Background Corrected with Scan 1222

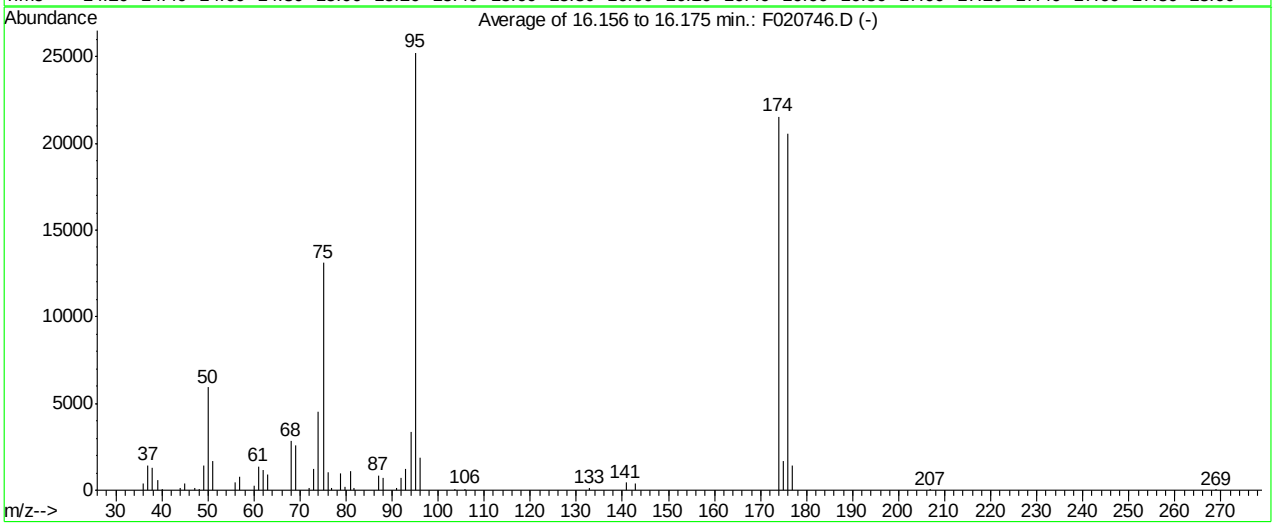
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.4	6122	PASS
75	95	30	60	51.9	14835	PASS
95	95	100	100	100.0	28568	PASS
96	95	5	9	6.5	1854	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	80.6	23032	PASS
175	174	5	9	8.2	1882	PASS
176	174	95	101	98.7	22733	PASS
177	176	5	9	6.6	1490	PASS

F020699.D VF3547AP9G.M Wed Oct 14 13:32:29 2009

Methods: SW-846 8260B

Data File : C:\MSDCHEM\2\DATA\VF3601\F020746.D Vial: 1
Acq On : 14 Oct 2009 9:36 am Operator: AnjanaP
Sample : bfb Inst : GC/MS F
Misc : op13245,vf3601,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624





AutoFind: Scans 1231, 1232, 1233; Background Corrected with Scan 1223

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.6	5947	PASS
75	95	30	60	52.0	13115	PASS
95	95	100	100	100.0	25245	PASS
96	95	5	9	7.4	1859	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	85.3	21533	PASS
175	174	5	9	7.7	1667	PASS
176	174	95	101	95.6	20584	PASS
177	176	5	9	6.8	1403	PASS

F020746.D VF3547AP9G.M Thu Oct 15 09:02:07 2009

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0168\
Data File : C0003815.D
Acq On : 8 Oct 2009 9:33 am
Operator : AnjanaP
Sample : ic168-1
Misc : ms7089,VC0168,5,,,5,,WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 08 12:44:45 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:43:53 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.413	96	1616918	50.00	ug/kg	0.01
53) Chlorobenzene-d5	13.549	117	1299235	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	15.953	152	595746	50.00	ug/kg	0.00
96) 1,4-Dichlorobenzene-d4a	15.953	152	595746	50.00	ug/kg	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	9.702	113	9331	1.09	ug/l	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 2.18%#			
39) 1,2-Dichloroethane-d4	10.122	65	9998	1.09	ug/l	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 2.18%#			
54) Toluene-d8	12.008	98	26170	0.88	ug/l	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 1.76%#			
74) 4-Bromofluorobenzene	14.746	95	10446	1.00	ug/l	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 2.00%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.400	85	6504	0.98	ug/l	86
3) Chloromethane	4.788	50	6625	1.09	ug/l	98
4) Vinyl Chloride	5.046	62	6511	1.05	ug/l	99
5) Bromomethane	5.693	94	6468	1.22	ug/l	96
6) Chloroethane	5.844	64	5127	1.32	ug/l	88
7) Trichlorofluoromethane	6.264	101	10768	1.08	ug/l	97
8) Ethyl Ether	6.620	59	5962	0.97	ug/l	93
10) 1,1-Dichloroethene	7.051	61	9913	0.88	ug/l	92
11) Freon 113	6.965	101	6595	0.96	ug/l	94
12) Acetone	7.126	43	12361	7.21	ug/l	87
13) Iodomethane	7.320	142	11973	0.82	ug/l	99
14) Methyl Acetate	7.504	43	19786	4.13	ug/l	100
15) Carbon Disulfide	7.439	76	22520	0.95	ug/l	78
16) Methylene Chloride	7.730	49	27937	2.68	ug/l	93
17) Tert Butyl Alcohol	7.504	59	1674	7.72	ug/l #	87
18) trans-1,2-Dichloroethene	8.010	61	9273	0.81	ug/l	96
19) Acrylonitrile	8.085	53	8734	3.65	ug/l	95
20) Methyl Tert Butyl Ether	7.935	73	12517	0.56	ug/l	95
21) Hexane	8.204	57	3068	0.70	ug/l	79
22) 1,1-Dichloroethane	8.560	63	13464	0.94	ug/l	100
23) Vinyl Acetate	8.506	43	34912	2.50	ug/l	93
24) Di-isopropyl ether	8.441	45	12132	0.56	ug/l	95
25) Ethyl tert-butyl ether	8.851	59	11978	0.52	ug/l	98
26) 2,2-Dichloropropane	9.206	77	8887	0.89	ug/l	84
27) cis-1,2-Dichloroethene	9.217	96	8110	0.86	ug/l	85
28) 2-Butanone	9.142	43	28561	3.42	ug/l	100
29) Bromochloromethane	9.497	128	4799	0.91	ug/l	93
30) Chloroform	9.530	83	18175	1.21	ug/l	83
31) Tetrahydrofuran	9.508	42	1078	0.60	ug/l #	71
32) 1,1,1-Trichloroethane	9.745	97	9195	0.78	ug/l	86
34) Cyclohexane	9.745	56	4199	0.54	ug/l	97
35) n-Butyl Alcohol	10.413	43	449	6.88	ug/L #	1
36) 1,1-Dichloropropene	9.896	75	6150	0.60	ug/l	90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0168\
Data File : C0003815.D
Acq On : 8 Oct 2009 9:33 am
Operator : AnjanaP
Sample : ic168-1
Misc : ms7089,VC0168,5,,,5,,WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 08 12:44:45 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:43:53 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
37) Isobutyl Alcohol	9.874	43	940	4.79 ug/L #	61
38) Carbon Tetrachloride	9.885	117	8387	0.83 ug/l	92
40) Benzene	10.133	78	29165	0.82 ug/l	93
41) 1,2-Dichloroethane	10.209	62	9711	0.86 ug/l	97
42) tert-amyl methyl ether	10.122	73	10721	0.47 ug/l	76
43) Trichloroethene	10.780	95	7206	0.86 ug/l	93
44) Methylcyclohexane	10.941	83	6903	1.03 ug/l	86
45) 1,2-Dichloropropane	11.071	63	6898	0.81 ug/l	95
46) Dibromomethane	11.211	93	4951	0.87 ug/l	83
47) 1,4-Dioxane	11.135	88	638	7.35 ug/l	67
48) Bromodichloromethane	11.308	83	10976	0.99 ug/l	82
49) 2-Nitropropane	11.588	41	4713	3.16 ug/l #	70
50) 2-Chloroethyl vinyl ether	11.534	63	10839	2.08 ug/l	96
51) 4-Methyl-2-pentanone	11.836	43	14448	2.50 ug/l	92
52) cis-1,3-Dichloropropene	11.760	75	8385	0.59 ug/l	92
55) Toluene	12.084	91	25049	0.69 ug/l	97
56) trans-1,3-Dichloropropene	12.321	75	6592	0.57 ug/l	93
57) 1,1,2-Trichloroethane	12.526	83	7160	1.05 ug/l	97
58) Tetrachloroethene	12.633	166	8435	0.97 ug/l	90
59) 2-hexanone	12.676	43	8663	2.17 ug/l	95
60) 1,3-Dichloropropane	12.720	76	10544	0.76 ug/l	95
61) Dibromochloromethane	12.957	129	5649	0.65 ug/l	96
62) 1,2-Dibromoethane	13.140	107	5960	0.72 ug/l	98
63) 1-Chlorohexane	13.409	91	3245	0.50 ug/l	94
64) Chlorobenzene	13.582	112	24233	0.94 ug/l	91
65) 1,1,1,2-Tetrachloroethane	13.636	131	7448	0.83 ug/l	94
66) Ethylbenzene	13.603	91	30751	0.84 ug/l	99
67) m,p-Xylene	13.711	91	36574	1.31 ug/l	98
68) o-Xylene	14.153	91	15325	0.53 ug/l	94
69) Styrene	14.164	104	11259	0.43 ug/l	93
70) Bromoform	14.465	173	3906	0.66 ug/kg	88
72) Isopropylbenzene	14.487	105	12729	0.55 ug/l	97
73) Cyclohexanone	14.735	55	579	4.16 ug/l #	60
75) Bromobenzene	14.950	156	8904	0.79 ug/l	95
76) 1,1,2,2-Tetrachloroethane	14.853	83	8828	0.92 ug/l	83
77) Trans-1,4-Dichloro-2-b...	14.918	53	1495	0.60 ug/l #	82
78) 1,2,3-Trichloropropane	14.950	110	1982	0.67 ug/l	95
79) n-Propylbenzene	14.907	91	17040	0.56 ug/l	99
80) 2-Chlorotoluene	15.090	91	14876	0.60 ug/l	94
81) 4-Chlorotoluene	15.209	91	13879	0.61 ug/l	96
82) 1,3,5-Trimethylbenzene	15.069	105	10885	0.49 ug/l	97
83) sec-Butylbenzene	15.651	105	13317	0.56 ug/l	97
84) 1,3-Dichlorobenzene	15.888	146	13776	0.83 ug/l	98
85) 4-Isopropyltoluene	15.769	119	10147	0.49 ug/l	92
86) 1,4-Dichlorobenzene	15.985	146	19120	1.06 ug/l	91
87) tert-Butylbenzene	15.425	91	7119	0.65 ug/l	85
88) n-Butylbenzene	16.211	91	11991	0.68 ug/l	93
89) 1,2-Dichlorobenzene	16.427	146	14242	0.85 ug/l	98
90) 1,2,4-Trimethylbenzene	15.478	105	12206	0.50 ug/l	90
91) 1,2-Dibromo-3-Chloropr...	17.343	75	1070	0.89 ug/l	74

ACCUTEST Laboratories T39513

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0168\
Data File : C0003815.D
Acq On : 8 Oct 2009 9:33 am
Operator : AnjanaP
Sample : ic168-1
Misc : ms7089,VC0168,5,,,5,,WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 08 12:44:45 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:43:53 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
92) 1,2,4-Trichlorobenzene	18.388	180	6131	0.84 ug/l	87
93) Hexachlorobutadiene	18.474	225	5448	1.49 ug/l	96
94) Naphthalene	18.798	128	8601	0.60 ug/l	96
95) 1,2,3-Trichlorobenzene	19.164	180	4403	0.81 ug/l	82
97) TPH-GRO (C6-C10)	11.619	TIC	-3224466m	Below Cal	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

6.6.1

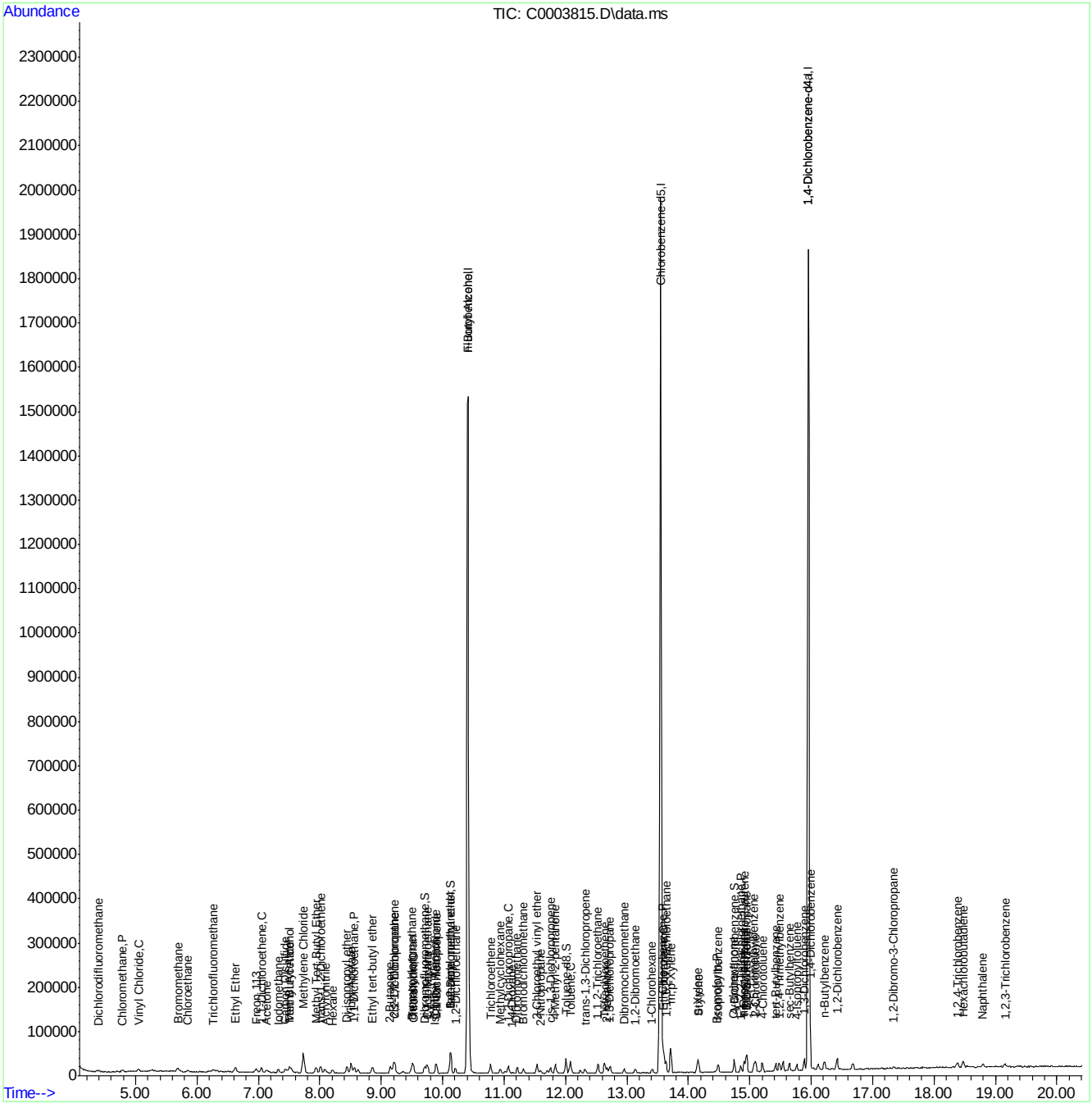
6

ACCUTEST Laboratories T39513

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0168\
Data File : C0003815.D
Acq On : 8 Oct 2009 9:33 am
Operator : AnjanaP
Sample : ic168-1
Misc : ms7089,VC0168,5,,,5,,WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 08 12:44:45 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:43:53 2009
Response via : Initial Calibration



ACCUTEST Laboratories T39513

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0168\
Data File : C0003816.D
Acq On : 8 Oct 2009 10:01 am
Operator : AnjanaP
Sample : ic168-2
Misc : ms7089,VC0168,5,,,5,,WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 08 12:45:45 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:45:35 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.403	96	1601879	50.00	ug/kg	-0.01
53) Chlorobenzene-d5	13.550	117	1281303	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	15.953	152	609131	50.00	ug/kg	0.00
96) 1,4-Dichlorobenzene-d4a	15.953	152	609131	50.00	ug/kg	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	9.713	113	16312	1.84	ug/l	0.01
Spiked Amount 50.000	Range 79 - 122		Recovery = 3.68%#			
39) 1,2-Dichloroethane-d4	10.122	65	17857	1.88	ug/l	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 3.76%#			
54) Toluene-d8	12.008	98	47924	1.74	ug/l	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 3.48%#			
74) 4-Bromofluorobenzene	14.746	95	16329	1.53	ug/l	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 3.06%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.378	85	12319	1.89	ug/l	98
3) Chloromethane	4.777	50	12634	2.01	ug/l	87
4) Vinyl Chloride	5.036	62	12164	1.93	ug/l	96
5) Bromomethane	5.682	94	11965	2.05	ug/l	100
6) Chloroethane	5.844	64	7668	1.72	ug/l	86
7) Trichlorofluoromethane	6.264	101	20193	1.96	ug/l	98
8) Ethyl Ether	6.620	59	10238	1.71	ug/l	94
9) Acrolein	6.954	56	380	4.80	ug/l #	18
10) 1,1-Dichloroethene	7.051	61	17310	1.67	ug/l	97
11) Freon 113	6.954	101	13190	1.98	ug/l	91
12) Acetone	7.137	43	20419	9.85	ug/l	95
13) Iodomethane	7.320	142	22945	1.77	ug/l	96
14) Methyl Acetate	7.504	43	43171	9.96	ug/l	98
15) Carbon Disulfide	7.439	76	42338	1.84	ug/l	100
16) Methylene Chloride	7.730	49	37056	1.95	ug/l	97
17) Tert Butyl Alcohol	7.504	59	3947	20.74	ug/l #	68
18) trans-1,2-Dichloroethene	8.010	61	18307	1.80	ug/l	94
19) Acrylonitrile	8.075	53	19489	9.54	ug/l	96
20) Methyl Tert Butyl Ether	7.935	73	28215	1.71	ug/l	88
21) Hexane	8.193	57	6022	1.68	ug/l	93
22) 1,1-Dichloroethane	8.560	63	26064	1.89	ug/l	97
23) Vinyl Acetate	8.506	43	89211	8.89	ug/l	97
24) Di-isopropyl ether	8.441	45	27502	1.71	ug/l	88
25) Ethyl tert-butyl ether	8.851	59	28299	1.71	ug/l	96
26) 2,2-Dichloropropane	9.196	77	17542	1.88	ug/l	99
27) cis-1,2-Dichloroethene	9.217	96	14602	1.70	ug/l	94
28) 2-Butanone	9.142	43	64227	9.31	ug/l	100
29) Bromochloromethane	9.497	128	9949	1.99	ug/l	95
30) Chloroform	9.519	83	29231	1.78	ug/l	96
31) Tetrahydrofuran	9.497	42	2523	1.81	ug/l #	65
32) 1,1,1-Trichloroethane	9.735	97	19967	1.92	ug/l	95
34) Cyclohexane	9.756	56	9244	1.66	ug/l	90
35) n-Butyl Alcohol	10.392	43	393	9.21	ug/L #	1

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0168\
Data File : C0003816.D
Acq On : 8 Oct 2009 10:01 am
Operator : AnjanaP
Sample : ic168-2
Misc : ms7089,VC0168,5,,,5,,WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 08 12:45:45 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:45:35 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,1-Dichloropropene	9.896	75	13322	1.70	ug/l	97
37) Isobutyl Alcohol	9.875	43	2819	19.59	ug/L	96
38) Carbon Tetrachloride	9.885	117	16977	1.86	ug/l	98
40) Benzene	10.133	78	61095	1.92	ug/l	97
41) 1,2-Dichloroethane	10.198	62	20390	1.96	ug/l	92
42) tert-amyl methyl ether	10.122	73	25624	1.66	ug/l	89
43) Trichloroethene	10.780	95	14780	1.91	ug/l	98
44) Methylcyclohexane	10.931	83	7163	1.05	ug/l	82
45) 1,2-Dichloropropane	11.071	63	14152	1.86	ug/l	98
46) Dibromomethane	11.211	93	10077	1.91	ug/l	96
47) 1,4-Dioxane	11.136	88	2244	38.45	ug/l	86
48) Bromodichloromethane	11.308	83	18594	1.70	ug/l	97
49) 2-Nitropropane	11.588	41	12242	10.07	ug/l	88
50) 2-Chloroethyl vinyl ether	11.534	63	26578	8.03	ug/l	95
51) 4-Methyl-2-pentanone	11.836	43	36434	8.81	ug/l	96
52) cis-1,3-Dichloropropene	11.750	75	18353	1.71	ug/l	98
55) Toluene	12.073	91	53695	1.80	ug/l	96
56) trans-1,3-Dichloropropene	12.321	75	15027	1.74	ug/l	93
57) 1,1,2-Trichloroethane	12.526	83	13184	1.92	ug/l	97
58) Tetrachloroethene	12.634	166	15955	1.89	ug/l	97
59) 2-hexanone	12.677	43	22110	8.39	ug/l	91
60) 1,3-Dichloropropane	12.720	76	23016	1.91	ug/l	98
61) Dibromochloromethane	12.957	129	13912	1.96	ug/l	94
62) 1,2-Dibromoethane	13.129	107	13973	1.98	ug/l	93
63) 1-Chlorohexane	13.409	91	6381	1.49	ug/l	91
64) Chlorobenzene	13.582	112	49444	2.01	ug/l	99
65) 1,1,1,2-Tetrachloroethane	13.636	131	16476	2.03	ug/l	88
66) Ethylbenzene	13.603	91	59395	1.80	ug/l	95
67) m,p-Xylene	13.711	91	74615	3.39	ug/l	99
68) o-Xylene	14.153	91	32248	1.59	ug/l	95
69) Styrene	14.164	104	24770	1.53	ug/l	89
70) Bromoform	14.466	173	8796	1.84	ug/kg	90
72) Isopropylbenzene	14.487	105	26162	1.54	ug/l	99
73) Cyclohexanone	14.735	55	2269	21.62	ug/l #	77
75) Bromobenzene	14.951	156	19044	1.86	ug/l	98
76) 1,1,2,2-Tetrachloroethane	14.854	83	17515	1.86	ug/l	97
77) Trans-1,4-Dichloro-2-b...	14.918	53	3252	1.67	ug/l #	82
78) 1,2,3-Trichloropropane	14.951	110	5619	2.22	ug/l	90
79) n-Propylbenzene	14.907	91	35155	1.56	ug/l	96
80) 2-Chlorotoluene	15.091	91	35719	1.80	ug/l	97
81) 4-Chlorotoluene	15.198	91	31216	1.72	ug/l	96
82) 1,3,5-Trimethylbenzene	15.069	105	23519	1.53	ug/l	98
83) sec-Butylbenzene	15.651	105	27482	1.56	ug/l	94
84) 1,3-Dichlorobenzene	15.888	146	28982	1.87	ug/l	96
85) 4-Isopropyltoluene	15.770	119	21820	1.54	ug/l	92
86) 1,4-Dichlorobenzene	15.985	146	36179	1.91	ug/l	96
87) tert-Butylbenzene	15.425	91	13592	1.56	ug/l	95
88) n-Butylbenzene	16.211	91	23737	1.63	ug/l	93
89) 1,2-Dichlorobenzene	16.427	146	30079	1.91	ug/l	96
90) 1,2,4-Trimethylbenzene	15.479	105	25536	1.52	ug/l	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0168\
Data File : C0003816.D
Acq On : 8 Oct 2009 10:01 am
Operator : AnjanaP
Sample : ic168-2
Misc : ms7089,VC0168,5,,,5,,WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 08 12:45:45 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:45:35 2009
Response via : Initial Calibration

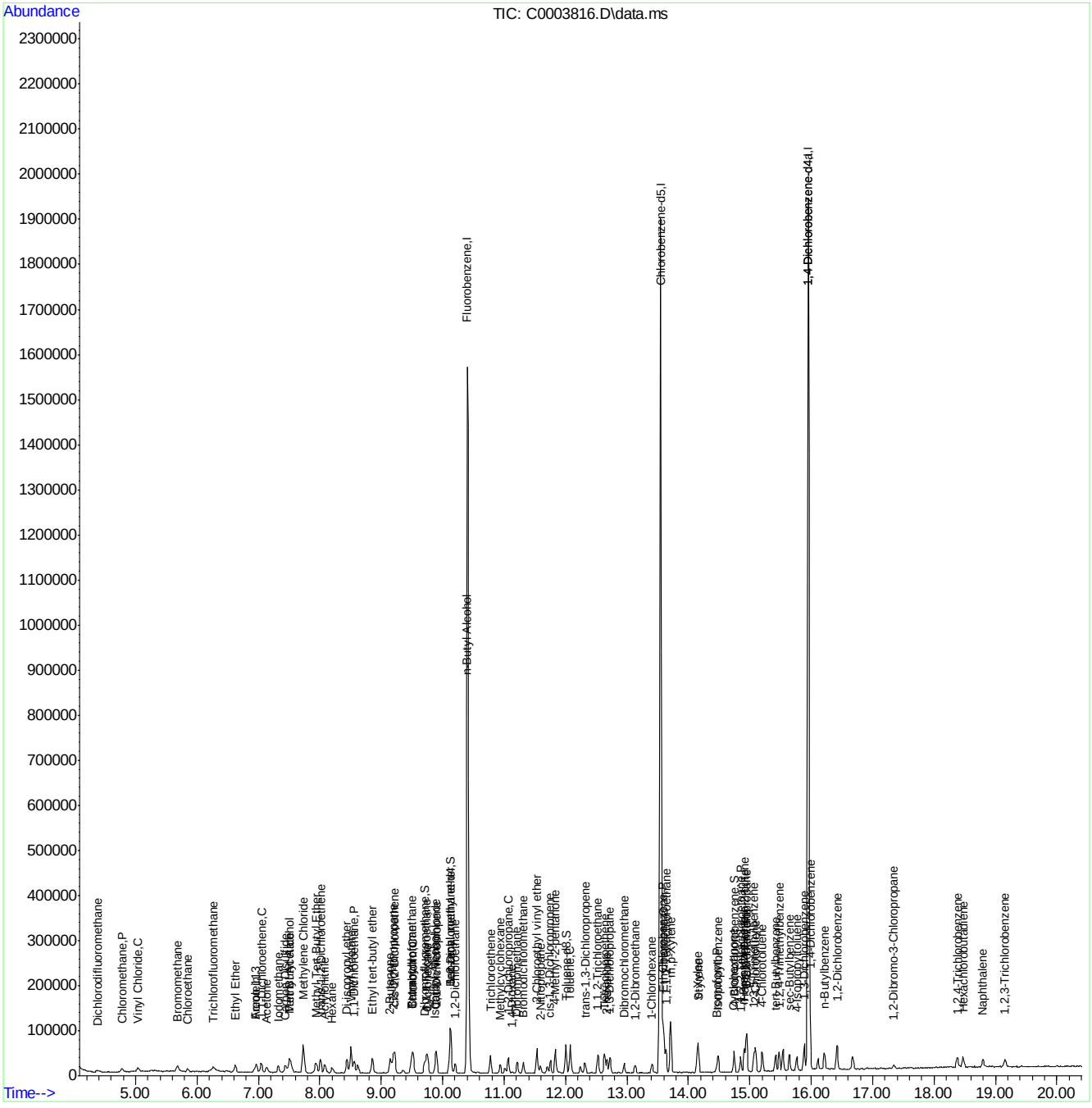
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) 1,2-Dibromo-3-Chloropr...	17.343	75	2268	1.96	ug/l	83
92) 1,2,4-Trichlorobenzene	18.388	180	11698	1.73	ug/l	93
93) Hexachlorobutadiene	18.475	225	7613	1.64	ug/l	94
94) Naphthalene	18.798	128	18816	1.67	ug/l	90
95) 1,2,3-Trichlorobenzene	19.154	180	8824	1.77	ug/l	95
97) TPH-GRO (C6-C10)	11.619	TIC	-1552105m	0.96	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0168\
Data File : C0003816.D
Acq On : 8 Oct 2009 10:01 am
Operator : AnjanaP
Sample : ic168-2
Misc : ms7089,VC0168,5,,,5,,WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 08 12:45:45 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:45:35 2009
Response via : Initial Calibration



ACCUTEST Laboratories T39513

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0168\
Data File : C0003817.D
Acq On : 8 Oct 2009 10:30 am
Operator : AnjanaP
Sample : ic168-5
Misc : ms7089,VC0168,5,,,5,,WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 08 12:46:29 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:46:14 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.403	96	1616504	50.00	ug/kg	0.00
53) Chlorobenzene-d5	13.550	117	1297618	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	15.953	152	616551	50.00	ug/kg	0.00
96) 1,4-Dichlorobenzene-d4a	15.953	152	616551	50.00	ug/kg	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	9.713	113	41333	4.75	ug/l	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 9.50%#			
39) 1,2-Dichloroethane-d4	10.123	65	46898	4.99	ug/l	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 9.98%#			
54) Toluene-d8	12.008	98	131524	4.92	ug/l	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 9.84%#			
74) 4-Bromofluorobenzene	14.746	95	43844	4.40	ug/l	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 8.80%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.389	85	32980	5.11	ug/l	97
3) Chloromethane	4.777	50	32627	5.13	ug/l	98
4) Vinyl Chloride	5.036	62	31188	4.97	ug/l	94
5) Bromomethane	5.682	94	28663	4.83	ug/l	93
6) Chloroethane	5.844	64	21338	4.97	ug/l	93
7) Trichlorofluoromethane	6.264	101	53410	5.18	ug/l	92
8) Ethyl Ether	6.620	59	29389	5.11	ug/l	94
9) Acrolein	6.943	56	1621	25.09	ug/l	63
10) 1,1-Dichloroethene	7.051	61	50262	4.74	ug/l	95
11) Freon 113	6.965	101	35083	5.23	ug/l	97
12) Acetone	7.127	43	44406	21.33	ug/l	96
13) Iodomethane	7.321	142	63413	4.63	ug/l	98
14) Methyl Acetate	7.504	43	112367	25.73	ug/l	99
15) Carbon Disulfide	7.439	76	111430	4.94	ug/l	99
16) Methylene Chloride	7.730	49	67677	5.01	ug/l	99
17) Tert Butyl Alcohol	7.504	59	9525	48.99	ug/l	97
18) trans-1,2-Dichloroethene	8.010	61	51238	4.75	ug/l	97
19) Acrylonitrile	8.075	53	53597	23.83	ug/l	98
20) Methyl Tert Butyl Ether	7.935	73	78612	4.08	ug/l	96
21) Hexane	8.204	57	18014	4.52	ug/l	95
22) 1,1-Dichloroethane	8.560	63	73178	5.36	ug/l	96
23) Vinyl Acetate	8.506	43	288696	23.43	ug/l	99
24) Di-isopropyl ether	8.441	45	79280	4.17	ug/l	89
25) Ethyl tert-butyl ether	8.851	59	83821	4.22	ug/l	97
26) 2,2-Dichloropropane	9.206	77	47187	5.11	ug/l	96
27) cis-1,2-Dichloroethene	9.217	96	42779	4.79	ug/l	98
28) 2-Butanone	9.142	43	174500	22.67	ug/l	100
29) Bromochloromethane	9.497	128	26348	5.23	ug/l	98
30) Chloroform	9.519	83	78435	4.90	ug/l	98
31) Tetrahydrofuran	9.497	42	6811	4.27	ug/l #	46
32) 1,1,1-Trichloroethane	9.735	97	53825	5.20	ug/l	97
34) Cyclohexane	9.756	56	28451	4.26	ug/l	90
35) n-Butyl Alcohol	10.403	43	624	17.95	ug/L #	1

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0168\
Data File : C0003817.D
Acq On : 8 Oct 2009 10:30 am
Operator : AnjanaP
Sample : ic168-5
Misc : ms7089,VC0168,5,,,5,,WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 08 12:46:29 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:46:14 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,1-Dichloropropene	9.896	75	40474	4.44	ug/l	97
37) Isobutyl Alcohol	9.875	43	7359	42.49	ug/L #	92
38) Carbon Tetrachloride	9.896	117	47334	5.25	ug/l	97
40) Benzene	10.133	78	170954	5.03	ug/l	97
41) 1,2-Dichloroethane	10.198	62	55316	5.30	ug/l	95
42) tert-amyl methyl ether	10.123	73	80782	4.20	ug/l	93
43) Trichloroethene	10.780	95	38471	5.01	ug/l	96
44) Methylcyclohexane	10.931	83	22767	3.81	ug/l	95
45) 1,2-Dichloropropane	11.071	63	37038	4.93	ug/l	89
46) Dibromomethane	11.211	93	27084	5.17	ug/l	99
47) 1,4-Dioxane	11.136	88	5660	77.68	ug/l	87
48) Bromodichloromethane	11.308	83	48602	4.64	ug/l	99
49) 2-Nitropropane	11.588	41	33496	24.08	ug/l	90
50) 2-Chloroethyl vinyl ether	11.534	63	89209	20.75	ug/l	98
51) 4-Methyl-2-pentanone	11.836	43	114166	22.57	ug/l	96
52) cis-1,3-Dichloropropene	11.761	75	53853	4.31	ug/l	98
55) Toluene	12.073	91	156758	4.69	ug/l	99
56) trans-1,3-Dichloropropene	12.321	75	44170	4.34	ug/l	99
57) 1,1,2-Trichloroethane	12.526	83	33535	4.88	ug/l	95
58) Tetrachloroethene	12.634	166	41415	4.94	ug/l	98
59) 2-hexanone	12.677	43	70414	20.98	ug/l	95
60) 1,3-Dichloropropane	12.720	76	65074	4.93	ug/l	96
61) Dibromochloromethane	12.957	129	36309	4.50	ug/l	98
62) 1,2-Dibromoethane	13.129	107	35034	4.50	ug/l	100
63) 1-Chlorohexane	13.409	91	18591	3.59	ug/l	86
64) Chlorobenzene	13.582	112	125851	5.04	ug/l	97
65) 1,1,1,2-Tetrachloroethane	13.636	131	40066	4.86	ug/l	97
66) Ethylbenzene	13.603	91	156728	4.52	ug/l	97
67) m,p-Xylene	13.711	91	230306	8.25	ug/l	99
68) o-Xylene	14.153	91	97284	3.99	ug/l	93
69) Styrene	14.164	104	86007	4.06	ug/l	97
70) Bromoform	14.466	173	23285	4.33	ug/kg	96
72) Isopropylbenzene	14.487	105	77822	3.86	ug/l	99
73) Cyclohexanone	14.735	55	5597	43.48	ug/l	91
75) Bromobenzene	14.951	156	54347	4.93	ug/l	96
76) 1,1,2,2-Tetrachloroethane	14.854	83	47455	5.10	ug/l	96
77) Trans-1,4-Dichloro-2-b...	14.907	53	9939	4.39	ug/l #	78
78) 1,2,3-Trichloropropane	14.951	110	16847	6.34	ug/l	96
79) n-Propylbenzene	14.907	91	112735	4.18	ug/l	98
80) 2-Chlorotoluene	15.091	91	113131	4.87	ug/l	96
81) 4-Chlorotoluene	15.209	91	94850	4.51	ug/l	99
82) 1,3,5-Trimethylbenzene	15.069	105	78062	4.05	ug/l	100
83) sec-Butylbenzene	15.651	105	89342	4.22	ug/l	97
84) 1,3-Dichlorobenzene	15.888	146	80637	4.89	ug/l	99
85) 4-Isopropyltoluene	15.770	119	69851	3.96	ug/l	97
86) 1,4-Dichlorobenzene	15.985	146	93075	4.92	ug/l	94
87) tert-Butylbenzene	15.425	91	39227	4.01	ug/l	92
88) n-Butylbenzene	16.211	91	69777	4.28	ug/l	97
89) 1,2-Dichlorobenzene	16.427	146	79111	4.76	ug/l	97
90) 1,2,4-Trimethylbenzene	15.479	105	88494	4.18	ug/l	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0168\
Data File : C0003817.D
Acq On : 8 Oct 2009 10:30 am
Operator : AnjanaP
Sample : ic168-5
Misc : ms7089,VC0168,5,,,5,,WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 08 12:46:29 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:46:14 2009
Response via : Initial Calibration

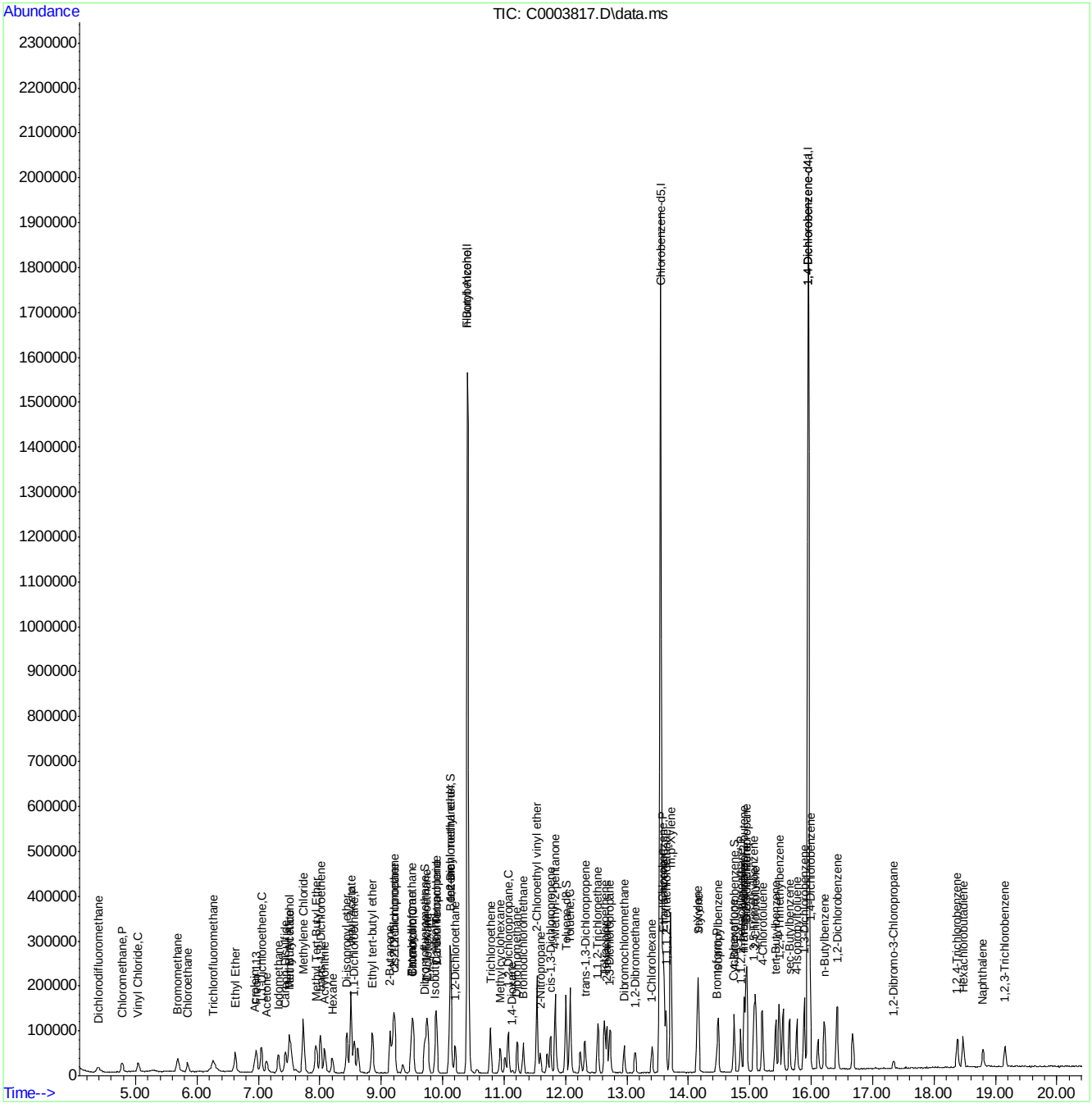
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
91) 1,2-Dibromo-3-Chloropr...	17.343	75	5442	4.67 ug/l	94
92) 1,2,4-Trichlorobenzene	18.378	180	32070	4.53 ug/l	94
93) Hexachlorobutadiene	18.475	225	20088	4.54 ug/l	92
94) Naphthalene	18.798	128	47668	3.73 ug/l	96
95) 1,2,3-Trichlorobenzene	19.154	180	23525	4.45 ug/l	96
97) TPH-GRO (C6-C10)	11.619	TIC	8978366m	Below Cal	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0168\
Data File : C0003817.D
Acq On : 8 Oct 2009 10:30 am
Operator : AnjanaP
Sample : ic168-5
Misc : ms7089,VC0168,5,,,5,,WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 08 12:46:29 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:46:14 2009
Response via : Initial Calibration



ACCUTEST Laboratories T39513

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0168\
Data File : C0003818.D
Acq On : 8 Oct 2009 10:58 am
Operator : AnjanaP
Sample : ic168-20
Misc : ms7089,VC0168,5,,,5,,WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 08 12:47:11 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:47:00 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.403	96	1618577	50.00	ug/kg	0.00
53) Chlorobenzene-d5	13.550	117	1327438	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	15.953	152	632569	50.00	ug/kg	0.00
96) 1,4-Dichlorobenzene-d4a	15.953	152	632569	50.00	ug/kg	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	9.702	113	146532	17.04	ug/l	-0.01
Spiked Amount 50.000	Range 79 - 122		Recovery = 34.08%#			
39) 1,2-Dichloroethane-d4	10.123	65	162381	17.27	ug/l	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 34.54%#			
54) Toluene-d8	12.008	98	505978	18.58	ug/l	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 37.16%#			
74) 4-Bromofluorobenzene	14.746	95	178250	17.97	ug/l	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 35.94%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.389	85	120159	18.50	ug/l	94
3) Chloromethane	4.777	50	102773	16.04	ug/l	100
4) Vinyl Chloride	5.036	62	107305	17.09	ug/l	99
5) Bromomethane	5.693	94	95807	16.26	ug/l	94
6) Chloroethane	5.844	64	69601	16.22	ug/l	97
7) Trichlorofluoromethane	6.254	101	183010	17.56	ug/l	96
8) Ethyl Ether	6.620	59	101598	17.54	ug/l	99
9) Acrolein	6.954	56	5905	77.21	ug/l	76
10) 1,1-Dichloroethene	7.051	61	185105	16.71	ug/l	98
11) Freon 113	6.965	101	121788	17.92	ug/l	97
12) Acetone	7.127	43	154154	76.77	ug/l	96
13) Iodomethane	7.331	142	236776	16.53	ug/l	99
14) Methyl Acetate	7.504	43	420981	95.57	ug/l	99
15) Carbon Disulfide	7.439	76	410854	18.24	ug/l	100
16) Methylene Chloride	7.730	49	192895	17.53	ug/l	99
17) Tert Butyl Alcohol	7.504	59	38998	201.33	ug/l	97
18) trans-1,2-Dichloroethene	8.010	61	192458	17.08	ug/l	99
19) Acrylonitrile	8.075	53	208013	88.00	ug/l	100
20) Methyl Tert Butyl Ether	7.935	73	353043	16.45	ug/l	97
21) Hexane	8.204	57	72945	16.93	ug/l	98
22) 1,1-Dichloroethane	8.560	63	250843	18.02	ug/l	99
23) Vinyl Acetate	8.506	43	1203782	88.11	ug/l	99
24) Di-isopropyl ether	8.441	45	348649	16.48	ug/l	98
25) Ethyl tert-butyl ether	8.851	59	367794	16.53	ug/l	98
26) 2,2-Dichloropropane	9.206	77	175844	18.90	ug/l	97
27) cis-1,2-Dichloroethene	9.217	96	160564	17.20	ug/l	99
28) 2-Butanone	9.142	43	732489	89.31	ug/l	100
29) Bromochloromethane	9.497	128	92934	18.21	ug/l	99
30) Chloroform	9.519	83	263327	16.52	ug/l	99
31) Tetrahydrofuran	9.497	42	30676	17.62	ug/l	90
32) 1,1,1-Trichloroethane	9.745	97	197784	18.90	ug/l	98
34) Cyclohexane	9.756	56	129292	17.24	ug/l	96
35) n-Butyl Alcohol	10.554	43	10936	179.14	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0168\
Data File : C0003818.D
Acq On : 8 Oct 2009 10:58 am
Operator : AnjanaP
Sample : ic168-20
Misc : ms7089,VC0168,5,,,5,,WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 08 12:47:11 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:47:00 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,1-Dichloropropene	9.896	75	177972	17.72	ug/l	99
37) Isobutyl Alcohol	9.875	43	34194	178.81	ug/L	98
38) Carbon Tetrachloride	9.885	117	175825	19.24	ug/l	96
40) Benzene	10.133	78	623513	17.74	ug/l	99
41) 1,2-Dichloroethane	10.198	62	197079	18.58	ug/l	99
42) tert-amyl methyl ether	10.112	73	365671	16.66	ug/l	96
43) Trichloroethene	10.769	95	137157	17.83	ug/l	99
44) Methylcyclohexane	10.931	83	104100	16.03	ug/l	98
45) 1,2-Dichloropropane	11.071	63	144158	19.24	ug/l	99
46) Dibromomethane	11.211	93	97627	18.46	ug/l	98
47) 1,4-Dioxane	11.136	88	27049	324.61	ug/l	97
48) Bromodichloromethane	11.308	83	182761	17.75	ug/l	100
49) 2-Nitropropane	11.588	41	121742	82.77	ug/l	98
50) 2-Chloroethyl vinyl ether	11.534	63	434456	86.61	ug/l	99
51) 4-Methyl-2-pentanone	11.836	43	502627	89.09	ug/l	100
52) cis-1,3-Dichloropropene	11.761	75	223542	16.28	ug/l	98
55) Toluene	12.073	91	625841	17.15	ug/l	99
56) trans-1,3-Dichloropropene	12.321	75	193823	16.92	ug/l	97
57) 1,1,2-Trichloroethane	12.526	83	122540	17.54	ug/l	98
58) Tetrachloroethene	12.634	166	152040	17.78	ug/l	99
59) 2-hexanone	12.677	43	346183	87.73	ug/l	99
60) 1,3-Dichloropropane	12.720	76	246544	17.47	ug/l	99
61) Dibromochloromethane	12.957	129	143715	16.44	ug/l	97
62) 1,2-Dibromoethane	13.129	107	142713	17.13	ug/l	99
63) 1-Chlorohexane	13.409	91	94522	15.18	ug/l	94
64) Chlorobenzene	13.582	112	447019	17.47	ug/l	99
65) 1,1,1,2-Tetrachloroethane	13.636	131	152390	18.19	ug/l	98
66) Ethylbenzene	13.603	91	625726	16.98	ug/l	98
67) m,p-Xylene	13.711	91	958779	33.97	ug/l	99
68) o-Xylene	14.153	91	457314	16.10	ug/l	97
69) Styrene	14.164	104	419029	16.52	ug/l	99
70) Bromoform	14.466	173	93645	15.95	ug/kg	98
72) Isopropylbenzene	14.487	105	381292	16.08	ug/l	99
73) Cyclohexanone	14.735	55	24979	173.51	ug/l	99
75) Bromobenzene	14.951	156	203448	17.25	ug/l	99
76) 1,1,2,2-Tetrachloroethane	14.854	83	183660	19.16	ug/l	97
77) Trans-1,4-Dichloro-2-b...	14.907	53	44025	17.21	ug/l	90
78) 1,2,3-Trichloropropane	14.951	110	58616	20.16	ug/l	96
79) n-Propylbenzene	14.907	91	531995	16.98	ug/l	99
80) 2-Chlorotoluene	15.091	91	454244	17.60	ug/l	99
81) 4-Chlorotoluene	15.198	91	400645	17.01	ug/l	95
82) 1,3,5-Trimethylbenzene	15.069	105	382252	16.70	ug/l	100
83) sec-Butylbenzene	15.651	105	413458	16.84	ug/l	98
84) 1,3-Dichlorobenzene	15.888	146	303273	17.28	ug/l	99
85) 4-Isopropyltoluene	15.770	119	346303	16.52	ug/l	99
86) 1,4-Dichlorobenzene	15.985	146	332978	17.23	ug/l	98
87) tert-Butylbenzene	15.425	91	186190	16.67	ug/l	98
88) n-Butylbenzene	16.211	91	306645	16.78	ug/l	99
89) 1,2-Dichlorobenzene	16.427	146	299052	17.07	ug/l	98
90) 1,2,4-Trimethylbenzene	15.479	105	424476	16.97	ug/l	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0168\
Data File : C0003818.D
Acq On : 8 Oct 2009 10:58 am
Operator : AnjanaP
Sample : ic168-20
Misc : ms7089,VC0168,5,,,5,,WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 08 12:47:11 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:47:00 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
91) 1,2-Dibromo-3-Chloropr...	17.343	75	22163	18.85 ug/l	96
92) 1,2,4-Trichlorobenzene	18.378	180	127135	16.75 ug/l	96
93) Hexachlorobutadiene	18.475	225	73787	16.64 ug/l	99
94) Naphthalene	18.798	128	227649	15.55 ug/l	99
95) 1,2,3-Trichlorobenzene	19.154	180	97268	17.08 ug/l	97
97) TPH-GRO (C6-C10)	11.619	TIC	50621987m	Below Cal	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

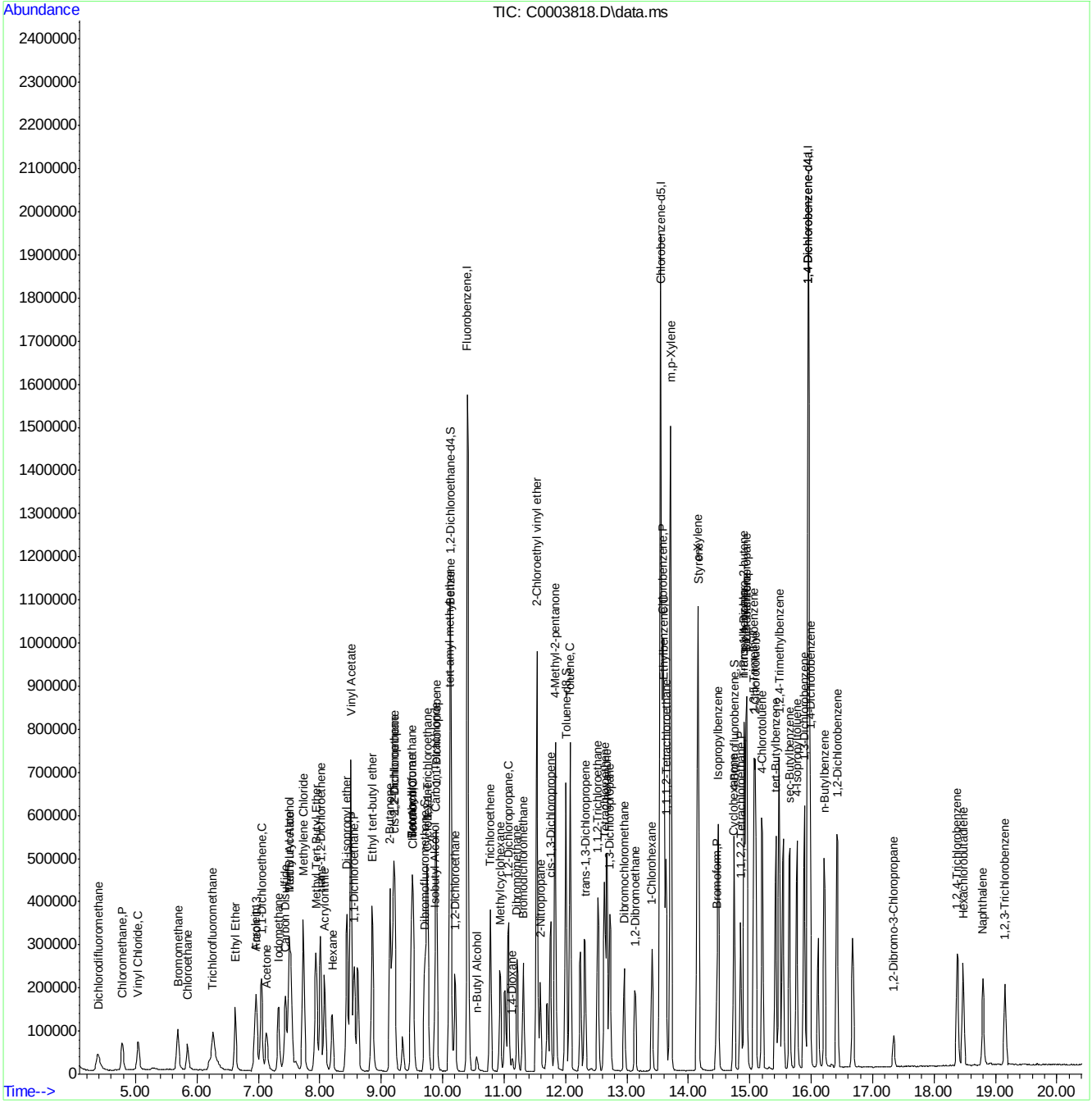
6.6.4

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0168\
Data File : C0003818.D
Acq On : 8 Oct 2009 10:58 am
Operator : AnjanaP
Sample : ic168-20
Misc : ms7089,VC0168,5,,,5,,WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 08 12:47:11 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:47:00 2009
Response via : Initial Calibration



ACCUTEST Laboratories T39513

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0168\
Data File : C0003819.D
Acq On : 8 Oct 2009 11:26 am
Operator : AnjanaP
Sample : icc168-40
Misc : ms7089,VC0168,5,,,5,,WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 08 12:58:53 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:49:21 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.403	96	1623571	50.00	ug/kg	0.00
53) Chlorobenzene-d5	13.550	117	1337144	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	15.953	152	655498	50.00	ug/kg	0.00
96) 1,4-Dichlorobenzene-d4a	15.953	152	655498	50.00	ug/kg	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	9.702	113	342966	41.49	ug/l	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 82.98%			
39) 1,2-Dichloroethane-d4	10.123	65	368984	41.25	ug/l	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 82.50%			
54) Toluene-d8	12.009	98	1228054	44.50	ug/l	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 89.00%			
74) 4-Bromofluorobenzene	14.746	95	460368	44.46	ug/l	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 88.92%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.389	85	266378	41.40	ug/l	100
3) Chloromethane	4.788	50	243943	40.71	ug/l	100
4) Vinyl Chloride	5.047	62	248909	41.73	ug/l	100
5) Bromomethane	5.693	94	213010	49.36	ug/l	100
6) Chloroethane	5.844	64	155817	45.52	ug/l	100
7) Trichlorofluoromethane	6.264	101	401777	39.99	ug/l	100
8) Ethyl Ether	6.620	59	246666	42.92	ug/l	100
9) Acrolein	6.943	56	16033	201.26	ug/l	100
10) 1,1-Dichloroethene	7.051	61	450569	43.71	ug/l	100
11) Freon 113	6.954	101	276400	41.45	ug/l	100
12) Acetone	7.127	43	344136	204.36	ug/l	100
13) Iodomethane	7.331	142	583907	44.31	ug/l	100
14) Methyl Acetate	7.493	43	962074	217.03	ug/l	100
15) Carbon Disulfide	7.439	76	956491	42.37	ug/l	100
16) Methylene Chloride	7.730	49	418729	42.82	ug/l	100
17) Tert Butyl Alcohol	7.504	59	87105	436.15	ug/l	100
18) trans-1,2-Dichloroethene	8.010	61	457946	44.54	ug/l	100
19) Acrylonitrile	8.075	53	480564	223.39	ug/l	100
20) Methyl Tert Butyl Ether	7.935	73	891140	40.34	ug/l	100
21) Hexane	8.204	57	176862	40.59	ug/l	100
22) 1,1-Dichloroethane	8.560	63	577531	42.40	ug/l	100
23) Vinyl Acetate	8.495	43	2808916	223.56	ug/l	100
24) Di-isopropyl ether	8.441	45	877868	41.68	ug/l	100
25) Ethyl tert-butyl ether	8.851	59	923321	40.90	ug/l	100
26) 2,2-Dichloropropane	9.196	77	401474	43.01	ug/l	100
27) cis-1,2-Dichloroethene	9.217	96	379355	44.79	ug/l	100
28) 2-Butanone	9.142	43	1675282	229.86	ug/l	100
29) Bromochloromethane	9.498	128	212936	42.38	ug/l	100
30) Chloroform	9.519	83	605040	40.06	ug/l	100
31) Tetrahydrofuran	9.498	42	71656	41.61	ug/l	100
32) 1,1,1-Trichloroethane	9.735	97	473129	44.12	ug/l	100
34) Cyclohexane	9.756	56	310503	40.97	ug/l	100
35) n-Butyl Alcohol	10.554	43	26223	374.02	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0168\
Data File : C0003819.D
Acq On : 8 Oct 2009 11:26 am
Operator : AnjanaP
Sample : icc168-40
Misc : ms7089,VC0168,5,,,5,,WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 08 12:58:53 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:49:21 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,1-Dichloropropene	9.896	75	413262	41.76	ug/l	100
37) Isobutyl Alcohol	9.864	43	78792	384.04	ug/L	100
38) Carbon Tetrachloride	9.885	117	405117	43.28	ug/l	100
40) Benzene	10.133	78	1420015	44.15	ug/l	100
41) 1,2-Dichloroethane	10.198	62	454150	42.99	ug/l	100
42) tert-amyl methyl ether	10.112	73	913844	41.23	ug/l	100
43) Trichloroethene	10.769	95	336473	43.27	ug/l	100
44) Methylcyclohexane	10.931	83	269843	39.55	ug/l	100
45) 1,2-Dichloropropane	11.071	63	341296	44.83	ug/l	100
46) Dibromomethane	11.211	93	228192	43.20	ug/l	100
47) 1,4-Dioxane	11.136	88	69711	789.61	ug/l	100
48) Bromodichloromethane	11.308	83	444381	42.87	ug/l	100
49) 2-Nitropropane	11.588	41	299742	173.48	ug/l	100
50) 2-Chloroethyl vinyl ether	11.534	63	1045155	223.92	ug/l	100
51) 4-Methyl-2-pentanone	11.836	43	1161714	215.95	ug/l	100
52) cis-1,3-Dichloropropene	11.761	75	568204	41.31	ug/l	100
55) Toluene	12.073	91	1497862	42.72	ug/l	100
56) trans-1,3-Dichloropropene	12.310	75	475090	40.49	ug/l	100
57) 1,1,2-Trichloroethane	12.526	83	279784	40.98	ug/l	100
58) Tetrachloroethene	12.634	166	356326	41.69	ug/l	100
59) 2-hexanone	12.666	43	822968	208.67	ug/l	100
60) 1,3-Dichloropropane	12.720	76	574615	44.71	ug/l	100
61) Dibromochloromethane	12.957	129	359661	39.54	ug/l	100
62) 1,2-Dibromoethane	13.129	107	341158	44.52	ug/l	100
63) 1-Chlorohexane	13.410	91	264917	38.86	ug/l	100
64) Chlorobenzene	13.582	112	1056873	42.32	ug/l	100
65) 1,1,1,2-Tetrachloroethane	13.636	131	369503	43.33	ug/l	100
66) Ethylbenzene	13.593	91	1507416	44.88	ug/l	100
67) m,p-Xylene	13.711	91	2299676	85.59	ug/l	100
68) o-Xylene	14.142	91	1192369	41.88	ug/l	100
69) Styrene	14.164	104	1067144	42.36	ug/l	100
70) Bromoform	14.466	173	242761	37.80	ug/kg	100
72) Isopropylbenzene	14.487	105	1026634	41.08	ug/l	100
73) Cyclohexanone	14.735	55	61194	376.40	ug/l	100
75) Bromobenzene	14.951	156	494081	44.53	ug/l	100
76) 1,1,2,2-Tetrachloroethane	14.854	83	420560	42.37	ug/l	100
77) Trans-1,4-Dichloro-2-b...	14.908	53	108989	41.37	ug/l	100
78) 1,2,3-Trichloropropane	14.951	110	130727	43.28	ug/l	100
79) n-Propylbenzene	14.908	91	1344309	42.52	ug/l	100
80) 2-Chlorotoluene	15.091	91	1089499	42.96	ug/l	100
81) 4-Chlorotoluene	15.198	91	1000911	41.91	ug/l	100
82) 1,3,5-Trimethylbenzene	15.069	105	987629	41.66	ug/l	100
83) sec-Butylbenzene	15.640	105	1053636	40.91	ug/l	100
84) 1,3-Dichlorobenzene	15.888	146	734320	43.73	ug/l	100
85) 4-Isopropyltoluene	15.770	119	906203	41.07	ug/l	100
86) 1,4-Dichlorobenzene	15.985	146	793236	41.03	ug/l	100
87) tert-Butylbenzene	15.425	91	479067	40.61	ug/l	100
88) n-Butylbenzene	16.212	91	778833	41.17	ug/l	100
89) 1,2-Dichlorobenzene	16.416	146	733166	43.36	ug/l	100
90) 1,2,4-Trimethylbenzene	15.479	105	1076528	42.26	ug/l	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0168\
Data File : C0003819.D
Acq On : 8 Oct 2009 11:26 am
Operator : AnjanaP
Sample : icc168-40
Misc : ms7089,VC0168,5,,,5,,WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 08 12:58:53 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:49:21 2009
Response via : Initial Calibration

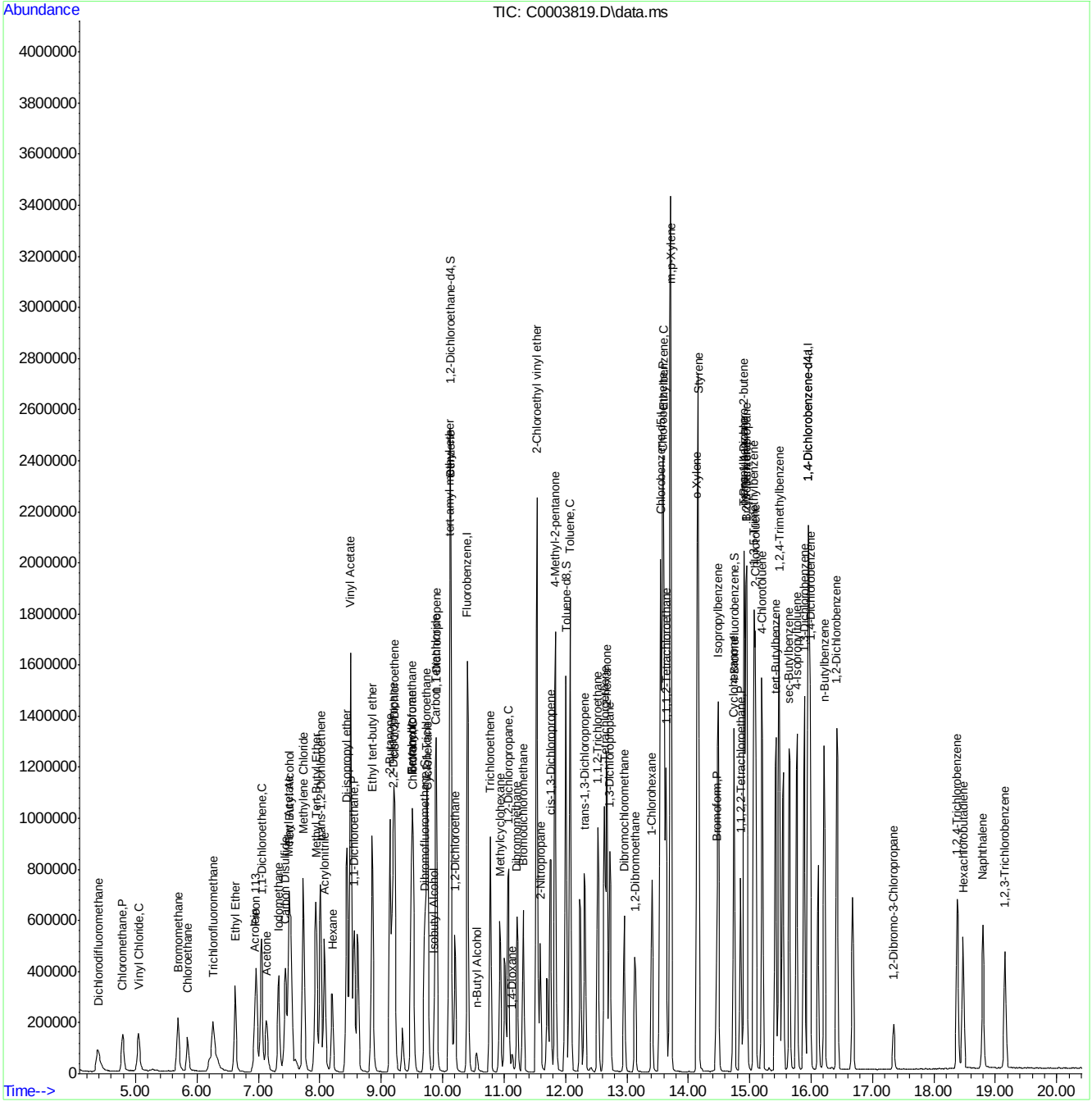
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
91) 1,2-Dibromo-3-Chloropr...	17.343	75	52732	41.43 ug/l	100
92) 1,2,4-Trichlorobenzene	18.378	180	320049	43.20 ug/l	100
93) Hexachlorobutadiene	18.475	225	160767	38.41 ug/l	100
94) Naphthalene	18.798	128	633155	37.03 ug/l	100
95) 1,2,3-Trichlorobenzene	19.154	180	240273	43.51 ug/l	100
97) TPH-GRO (C6-C10)	11.619	TIC	126764760m	Below Cal	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0168\
Data File : C0003819.D
Acq On : 8 Oct 2009 11:26 am
Operator : AnjanaP
Sample : icc168-40
Misc : ms7089,VC0168,5,,,5,,WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 08 12:58:53 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:49:21 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0168\
Data File : C0003820.D
Acq On : 8 Oct 2009 11:55 am
Operator : AnjanaP
Sample : ic168-100
Misc : ms7089,VC0168,5,,,5,,WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 08 12:48:21 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:48:12 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.403	96	1644462	50.00	ug/kg	0.00
53) Chlorobenzene-d5	13.550	117	1354520	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	15.953	152	669432	50.00	ug/kg	0.00
96) 1,4-Dichlorobenzene-d4a	15.953	152	669432	50.00	ug/kg	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	9.702	113	814363	96.03	ug/l	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 192.06%#			
39) 1,2-Dichloroethane-d4	10.122	65	867635	93.36	ug/l	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 186.72%#			
54) Toluene-d8	12.008	98	2961006	108.07	ug/l	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 216.14%#			
74) 4-Bromofluorobenzene	14.746	95	1138943	110.75	ug/l	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 221.50%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.378	85	663188	102.04	ug/l	97
3) Chloromethane	4.799	50	571821	91.47	ug/l	100
4) Vinyl Chloride	5.047	62	570982	92.20	ug/l	99
5) Bromomethane	5.693	94	452310	78.49	ug/l	98
6) Chloroethane	5.844	64	345975	82.48	ug/l	98
7) Trichlorofluoromethane	6.264	101	982867	95.14	ug/l	98
8) Ethyl Ether	6.620	59	615428	107.20	ug/l	99
9) Acrolein	6.954	56	41486	515.47	ug/l	95
10) 1,1-Dichloroethene	7.051	61	1169653	104.38	ug/l	99
11) Freon 113	6.954	101	693603	102.60	ug/l	98
12) Acetone	7.126	43	864888	444.61	ug/l	99
13) Iodomethane	7.331	142	1503665	103.62	ug/l	99
14) Methyl Acetate	7.504	43	2387949	538.35	ug/l	99
15) Carbon Disulfide	7.439	76	2419143	107.62	ug/l	99
16) Methylene Chloride	7.730	49	991730	97.61	ug/l	99
17) Tert Butyl Alcohol	7.504	59	220591	1119.39	ug/l	97
18) trans-1,2-Dichloroethene	8.010	61	1143601	100.17	ug/l	99
19) Acrylonitrile	8.075	53	1222419	507.99	ug/l	99
20) Methyl Tert Butyl Ether	7.935	73	2331407	104.66	ug/l	98
21) Hexane	8.193	57	468419	105.92	ug/l	97
22) 1,1-Dichloroethane	8.560	63	1411508	101.80	ug/l	99
23) Vinyl Acetate	8.506	43	6770030	479.27	ug/l	99
24) Di-isopropyl ether	8.441	45	2231213	101.71	ug/l	99
25) Ethyl tert-butyl ether	8.851	59	2392599	103.60	ug/l	98
26) 2,2-Dichloropropane	9.196	77	992441	106.16	ug/l	98
27) cis-1,2-Dichloroethene	9.217	96	924374	97.68	ug/l	100
28) 2-Butanone	9.142	43	4205217	499.52	ug/l	100
29) Bromochloromethane	9.497	128	524212	102.94	ug/l	99
30) Chloroform	9.519	83	1501888	96.10	ug/l	98
31) Tetrahydrofuran	9.487	42	185949	103.18	ug/l #	46
32) 1,1,1-Trichloroethane	9.745	97	1192984	113.45	ug/l	98
34) Cyclohexane	9.756	56	807876	103.50	ug/l	100
35) n-Butyl Alcohol	10.554	43	73564	1096.40	ug/L	93

ACCUTEST Laboratories T39513

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0168\
Data File : C0003820.D
Acq On : 8 Oct 2009 11:55 am
Operator : AnjanaP
Sample : ic168-100
Misc : ms7089,VC0168,5,,,5,,WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 08 12:48:21 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:48:12 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,1-Dichloropropene	9.896	75	1057970	101.69	ug/l	99
37) Isobutyl Alcohol	9.864	43	216534	1088.99	ug/L	98
38) Carbon Tetrachloride	9.885	117	1038078	112.68	ug/l	99
40) Benzene	10.133	78	3410423	96.09	ug/l	99
41) 1,2-Dichloroethane	10.198	62	1118316	105.29	ug/l	98
42) tert-amyl methyl ether	10.112	73	2385840	104.14	ug/l	96
43) Trichloroethene	10.769	95	860117	112.49	ug/l	99
44) Methylcyclohexane	10.931	83	735829	109.50	ug/l	95
45) 1,2-Dichloropropane	11.071	63	838152	110.92	ug/l	99
46) Dibromomethane	11.211	93	564245	106.64	ug/l	99
47) 1,4-Dioxane	11.135	88	184460	2115.59	ug/l	96
48) Bromodichloromethane	11.308	83	1130418	110.54	ug/l	99
49) 2-Nitropropane	11.588	41	952430	637.86	ug/l	100
50) 2-Chloroethyl vinyl ether	11.534	63	2546770	483.52	ug/l	99
51) 4-Methyl-2-pentanone	11.836	43	2874069	490.79	ug/l	100
52) cis-1,3-Dichloropropene	11.761	75	1461276	103.15	ug/l	100
55) Toluene	12.073	91	3692613	98.63	ug/l	100
56) trans-1,3-Dichloropropene	12.310	75	1240960	104.27	ug/l	99
57) 1,1,2-Trichloroethane	12.526	83	696924	100.21	ug/l	99
58) Tetrachloroethene	12.633	166	908201	106.46	ug/l	99
59) 2-hexanone	12.666	43	2105411	506.91	ug/l	98
60) 1,3-Dichloropropane	12.720	76	1400934	97.57	ug/l	100
61) Dibromochloromethane	12.957	129	948719	105.99	ug/l	99
62) 1,2-Dibromoethane	13.129	107	885293	103.90	ug/l	99
63) 1-Chlorohexane	13.409	91	736363	111.61	ug/l	96
64) Chlorobenzene	13.582	112	2572234	101.07	ug/l	99
65) 1,1,1,2-Tetrachloroethane	13.636	131	935221	111.41	ug/l	99
66) Ethylbenzene	13.603	91	3705777	98.64	ug/l	98
67) m,p-Xylene	13.711	91	5685056	198.98	ug/l	100
68) o-Xylene	14.142	91	3042402	102.18	ug/l	99
69) Styrene	14.164	104	2703999	101.01	ug/l	99
70) Bromoform	14.466	173	672365	111.48	ug/kg	100
72) Isopropylbenzene	14.487	105	2695811	104.23	ug/l	97
73) Cyclohexanone	14.735	55	170873	1102.40	ug/l	96
75) Bromobenzene	14.951	156	1215706	97.85	ug/l	100
76) 1,1,2,2-Tetrachloroethane	14.854	83	1052771	104.64	ug/l	99
77) Trans-1,4-Dichloro-2-b...	14.907	53	278384	100.98	ug/l	97
78) 1,2,3-Trichloropropane	14.951	110	319485	103.65	ug/l	100
79) n-Propylbenzene	14.907	91	3416286	100.41	ug/l	99
80) 2-Chlorotoluene	15.091	91	2681982	97.31	ug/l	99
81) 4-Chlorotoluene	15.198	91	2548225	100.88	ug/l	100
82) 1,3,5-Trimethylbenzene	15.069	105	2538322	101.56	ug/l	99
83) sec-Butylbenzene	15.640	105	2782433	104.41	ug/l	98
84) 1,3-Dichlorobenzene	15.888	146	1860513	100.76	ug/l	99
85) 4-Isopropyltoluene	15.770	119	2378606	103.81	ug/l	100
86) 1,4-Dichlorobenzene	15.985	146	1984571	99.78	ug/l	99
87) tert-Butylbenzene	15.425	91	1270790	105.08	ug/l	98
88) n-Butylbenzene	16.211	91	2050944	104.42	ug/l	99
89) 1,2-Dichlorobenzene	16.416	146	1863930	101.28	ug/l	99
90) 1,2,4-Trimethylbenzene	15.479	105	2723709	99.86	ug/l	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0168\
Data File : C0003820.D
Acq On : 8 Oct 2009 11:55 am
Operator : AnjanaP
Sample : ic168-100
Misc : ms7089,VC0168,5,,,5,,WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 08 12:48:21 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:48:12 2009
Response via : Initial Calibration

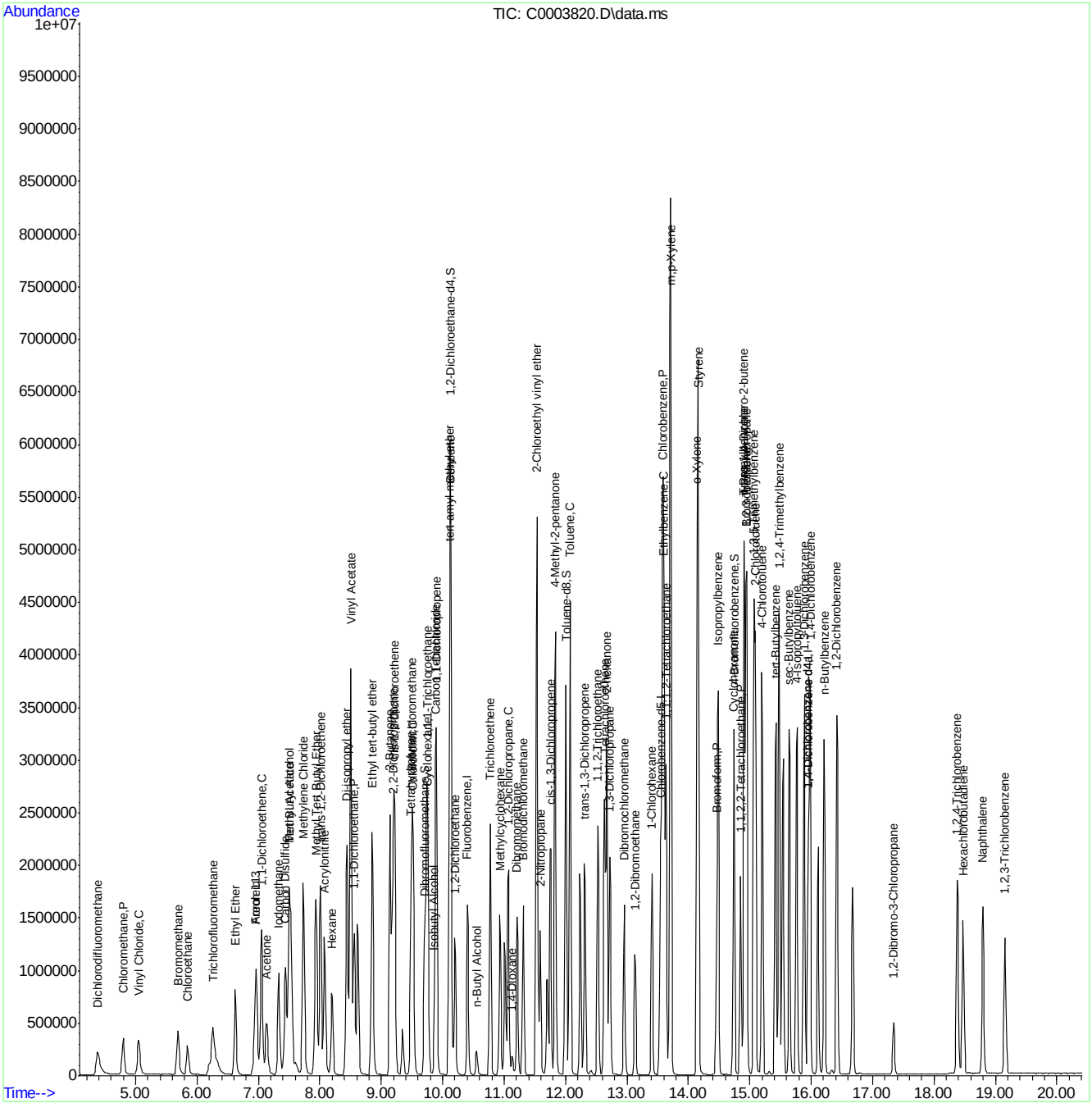
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
91) 1,2-Dibromo-3-Chloropr...	17.343	75	143983	117.07 ug/l	94
92) 1,2,4-Trichlorobenzene	18.378	180	886595	110.29 ug/l	97
93) Hexachlorobutadiene	18.475	225	455359	100.40 ug/l	99
94) Naphthalene	18.798	128	1838730	115.69 ug/l	100
95) 1,2,3-Trichlorobenzene	19.154	180	670249	110.73 ug/l	99
97) TPH-GRO (C6-C10)	11.619	TIC	324308648m	Below Cal	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0168\
Data File : C0003820.D
Acq On : 8 Oct 2009 11:55 am
Operator : AnjanaP
Sample : ic168-100
Misc : ms7089,VC0168,5,,,5,,WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 08 12:48:21 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:48:12 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0168\
Data File : C0003821.D
Acq On : 8 Oct 2009 12:23 pm
Operator : AnjanaP
Sample : ic168-200
Misc : ms7089,VC0168,5,,,5,,WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 08 12:48:52 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:48:43 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.403	96	1676840	50.00	ug/kg	0.00
53) Chlorobenzene-d5	13.550	117	1364834	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	15.953	152	689987	50.00	ug/kg	0.00
96) 1,4-Dichlorobenzene-d4a	15.953	152	689987	50.00	ug/kg	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	9.702	113	1643155	191.29	ug/l	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 382.58%#			
39) 1,2-Dichloroethane-d4	10.122	65	1688400	180.16	ug/l	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 360.32%#			
54) Toluene-d8	12.008	98	5858354	209.39	ug/l	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 418.78%#			
74) 4-Bromofluorobenzene	14.746	95	2313533	214.43	ug/l	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 428.86%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.378	85	1323756	199.06	ug/l	99
3) Chloromethane	4.799	50	1123584	178.80	ug/l	100
4) Vinyl Chloride	5.047	62	1145623	183.81	ug/l	98
5) Bromomethane	5.682	94	800913	141.37	ug/l	99
6) Chloroethane	5.844	64	670523	161.48	ug/l	99
7) Trichlorofluoromethane	6.254	101	1990064	190.46	ug/l	98
8) Ethyl Ether	6.620	59	1200747	202.68	ug/l	99
9) Acrolein	6.943	56	88091	1032.11	ug/l	91
10) 1,1-Dichloroethene	7.051	61	2319827	194.39	ug/l	100
11) Freon 113	6.954	101	1334586	192.77	ug/l	98
12) Acetone	7.137	43	1714983	880.85	ug/l	100
13) Iodomethane	7.331	142	3004902	195.68	ug/l	99
14) Methyl Acetate	7.504	43	4562979	996.11	ug/l	98
15) Carbon Disulfide	7.439	76	4784800	206.12	ug/l	99
16) Methylene Chloride	7.730	49	1888168	187.70	ug/l	99
17) Tert Butyl Alcohol	7.504	59	428423	2090.46	ug/l #	93
18) trans-1,2-Dichloroethene	8.010	61	2209756	188.86	ug/l	98
19) Acrylonitrile	8.075	53	2347637	939.77	ug/l	98
20) Methyl Tert Butyl Ether	7.935	73	4681367	196.31	ug/l	98
21) Hexane	8.193	57	896022	187.54	ug/l	98
22) 1,1-Dichloroethane	8.560	63	2679639	188.96	ug/l	100
23) Vinyl Acetate	8.506	43	12254202	880.41	ug/l	98
24) Di-isopropyl ether	8.441	45	4365365	190.92	ug/l	98
25) Ethyl tert-butyl ether	8.851	59	4725145	192.97	ug/l	99
26) 2,2-Dichloropropane	9.196	77	1940191	201.47	ug/l	100
27) cis-1,2-Dichloroethene	9.217	96	1753986	185.12	ug/l	100
28) 2-Butanone	9.142	43	7988333	927.90	ug/l	100
29) Bromochloromethane	9.497	128	1003523	192.32	ug/l	96
30) Chloroform	9.519	83	2840743	179.42	ug/l	99
31) Tetrahydrofuran	9.487	42	347281	182.75	ug/l #	50
32) 1,1,1-Trichloroethane	9.745	97	2348951	214.26	ug/l	97
34) Cyclohexane	9.756	56	1568134	189.76	ug/l	99
35) n-Butyl Alcohol	10.554	43	160538	2130.51	ug/L	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0168\
Data File : C0003821.D
Acq On : 8 Oct 2009 12:23 pm
Operator : AnjanaP
Sample : ic168-200
Misc : ms7089,VC0168,5,,,5,,WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 08 12:48:52 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:48:43 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,1-Dichloropropene	9.896	75	2005491	185.26	ug/l	99
37) Isobutyl Alcohol	9.864	43	441393	2001.03	ug/L	96
38) Carbon Tetrachloride	9.885	117	2024401	211.03	ug/l	99
40) Benzene	10.133	78	6223935	178.00	ug/l	98
41) 1,2-Dichloroethane	10.198	62	2162422	197.91	ug/l	99
42) tert-amyl methyl ether	10.112	73	4574718	187.42	ug/l	96
43) Trichloroethene	10.769	95	1692466	212.65	ug/l	98
44) Methylcyclohexane	10.931	83	1443926	192.53	ug/l	97
45) 1,2-Dichloropropane	11.071	63	1594417	203.24	ug/l	99
46) Dibromomethane	11.211	93	1091832	200.15	ug/l	97
47) 1,4-Dioxane	11.136	88	384718	4076.23	ug/l	96
48) Bromodichloromethane	11.308	83	2255180	212.53	ug/l	100
49) 2-Nitropropane	11.588	41	1936867	1009.29	ug/l	100
50) 2-Chloroethyl vinyl ether	11.534	63	4569330	871.87	ug/l	98
51) 4-Methyl-2-pentanone	11.836	43	5362860	909.16	ug/l	98
52) cis-1,3-Dichloropropene	11.761	75	2855128	190.93	ug/l	98
55) Toluene	12.073	91	6999026	187.13	ug/l	99
56) trans-1,3-Dichloropropene	12.310	75	2428810	193.76	ug/l	99
57) 1,1,2-Trichloroethane	12.526	83	1344780	191.84	ug/l	99
58) Tetrachloroethene	12.634	166	1788648	205.87	ug/l	99
59) 2-hexanone	12.666	43	3992220	936.18	ug/l	97
60) 1,3-Dichloropropane	12.720	76	2670850	188.28	ug/l	99
61) Dibromochloromethane	12.957	129	1923440	201.07	ug/l	99
62) 1,2-Dibromoethane	13.129	107	1744159	195.31	ug/l	99
63) 1-Chlorohexane	13.409	91	1469087	197.86	ug/l	96
64) Chlorobenzene	13.582	112	4860718	189.22	ug/l	99
65) 1,1,1,2-Tetrachloroethane	13.636	131	1844197	213.97	ug/l	99
66) Ethylbenzene	13.603	91	7021806	187.14	ug/l	97
67) m,p-Xylene	13.711	91	10636138	370.07	ug/l	99
68) o-Xylene	14.142	91	5825826	189.00	ug/l	100
69) Styrene	14.164	104	5107231	186.24	ug/l	98
70) Bromoform	14.466	173	1407161	208.07	ug/kg	99
72) Isopropylbenzene	14.487	105	5335996	191.23	ug/l	98
73) Cyclohexanone	14.735	55	365958	2080.96	ug/l	93
75) Bromobenzene	14.951	156	2373259	188.50	ug/l	98
76) 1,1,2,2-Tetrachloroethane	14.854	83	2087086	199.72	ug/l	99
77) Trans-1,4-Dichloro-2-b...	14.907	53	557698	193.45	ug/l	95
78) 1,2,3-Trichloropropane	14.951	110	615457	192.54	ug/l	100
79) n-Propylbenzene	14.907	91	6539084	184.63	ug/l	98
80) 2-Chlorotoluene	15.091	91	5204842	187.12	ug/l	99
81) 4-Chlorotoluene	15.198	91	4982801	188.88	ug/l	100
82) 1,3,5-Trimethylbenzene	15.069	105	5020060	190.75	ug/l	100
83) sec-Butylbenzene	15.640	105	5444717	189.30	ug/l	97
84) 1,3-Dichlorobenzene	15.888	146	3656371	190.22	ug/l	99
85) 4-Isopropyltoluene	15.770	119	4698755	190.82	ug/l	100
86) 1,4-Dichlorobenzene	15.985	146	3898325	190.23	ug/l	100
87) tert-Butylbenzene	15.425	91	2510486	191.20	ug/l	98
88) n-Butylbenzene	16.211	91	3954060	186.68	ug/l	99
89) 1,2-Dichlorobenzene	16.416	146	3707493	192.57	ug/l	99
90) 1,2,4-Trimethylbenzene	15.479	105	5339844	188.92	ug/l	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0168\
Data File : C0003821.D
Acq On : 8 Oct 2009 12:23 pm
Operator : AnjanaP
Sample : ic168-200
Misc : ms7089,VC0168,5,,,5,,WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 08 12:48:52 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:48:43 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
91) 1,2-Dibromo-3-Chloropr...	17.343	75	311378	238.84 ug/l	95
92) 1,2,4-Trichlorobenzene	18.378	180	1836777	201.55 ug/l	98
93) Hexachlorobutadiene	18.475	225	860540	183.97 ug/l	98
94) Naphthalene	18.798	128	3928526	207.80 ug/l	99
95) 1,2,3-Trichlorobenzene	19.154	180	1358660	197.30 ug/l	99
97) TPH-GRO (C6-C10)	11.619	TIC	629705026m	Below Cal	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report   (QT Reviewed)

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Data Path : C:\msdchem\1\DATA\VC0168\
Data File : C0003821.D
Acq On    :  8 Oct 2009  12:23 pm
Operator  : AnjanaP
Sample    : ic168-200
Misc      : ms7089,VC0168,5,,,5,,WATER
ALS Vial  : 8   Sample Multiplier: 1

Quant Time: Oct 08 12:48:52 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title  : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:48:43 2009
Response via : Initial Calibration
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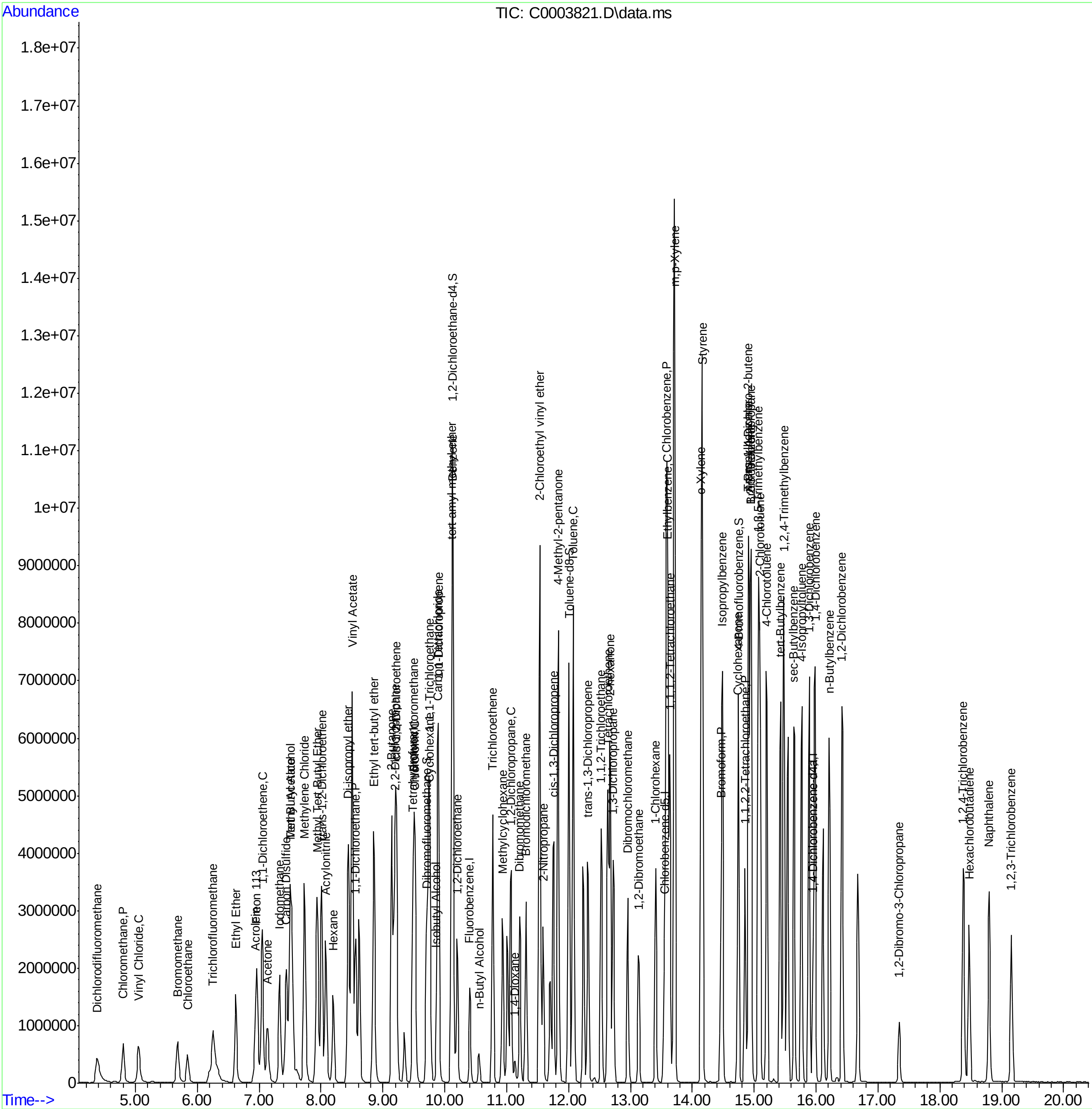


ACCUTEST Laboratories
T39513

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0168\
Data File : C0003823.D
Acq On : 8 Oct 2009 1:20 pm
Operator : AnjanaP
Sample : icv168-40
Misc : ms7089,VC0168,5,,,5,,WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 08 13:39:19 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:49:21 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.403	96	1663560	50.00	ug/kg	0.00
53) Chlorobenzene-d5	13.550	117	1367414	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	15.953	152	683798	50.00	ug/kg	0.00
96) 1,4-Dichlorobenzene-d4a	15.953	152	683798	50.00	ug/kg	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	9.702	113	388820	45.91	ug/l	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 91.82%			
39) 1,2-Dichloroethane-d4	10.123	65	422466	46.09	ug/l	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 92.18%			
54) Toluene-d8	12.009	98	1463190	51.85	ug/l	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 103.70%			
74) 4-Bromofluorobenzene	14.746	95	518842	48.03	ug/l	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 96.06%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.378	85	221279	33.56	ug/l	100
3) Chloromethane	4.788	50	255839	41.67	ug/l	99
4) Vinyl Chloride	5.047	62	262329	42.92	ug/l	98
5) Bromomethane	5.682	94	204125	45.83	ug/l	97
6) Chloroethane	5.844	64	151219	42.98	ug/l	95
7) Trichlorofluoromethane	6.264	101	381821	37.09	ug/l	94
8) Ethyl Ether	6.620	59	240297	40.81	ug/l	98
9) Acrolein	6.943	56	9679	124.76	ug/l	94
10) 1,1-Dichloroethene	7.051	61	370824	35.11	ug/l	99
11) Freon 113	6.954	101	228485	33.44	ug/l	98
12) Acetone	7.127	43	345230	200.03	ug/l	99
13) Iodomethane	7.331	142	509721	37.75	ug/l	99
14) Methyl Acetate	7.493	43	885142	194.88	ug/l	100
15) Carbon Disulfide	7.439	76	789903	34.15	ug/l	99
16) Methylene Chloride	7.730	49	360760	35.51	ug/l	99
17) Tert Butyl Alcohol	7.504	59	80406	392.93	ug/l	98
18) trans-1,2-Dichloroethene	8.010	61	388528	36.88	ug/l	100
19) Acrylonitrile	8.075	53	460472	208.90	ug/l	98
20) Methyl Tert Butyl Ether	7.935	73	806968	35.82	ug/l	99
21) Hexane	8.204	57	136673	30.71	ug/l	98
22) 1,1-Dichloroethane	8.560	63	494283	35.41	ug/l	99
23) Vinyl Acetate	8.495	43	2505411	193.41	ug/l	99
24) Di-isopropyl ether	8.441	45	779724	36.21	ug/l	99
25) Ethyl tert-butyl ether	8.851	59	801453	34.81	ug/l	99
26) 2,2-Dichloropropane	9.196	77	326497	34.14	ug/l	99
27) cis-1,2-Dichloroethene	9.217	96	332759	38.34	ug/l	98
28) 2-Butanone	9.142	43	1613143	216.01	ug/l	100
29) Bromochloromethane	9.497	128	185356	36.00	ug/l #	90
30) Chloroform	9.519	83	519148	33.54	ug/l	99
31) Tetrahydrofuran	9.487	42	115346	65.55	ug/l #	1
32) 1,1,1-Trichloroethane	9.745	97	395605	36.01	ug/l	97
34) Cyclohexane	9.756	56	257319	33.26	ug/l	99
35) n-Butyl Alcohol	10.554	43	63276	827.65	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0168\
Data File : C0003823.D
Acq On : 8 Oct 2009 1:20 pm
Operator : AnjanaP
Sample : icv168-40
Misc : ms7089,VC0168,5,,,5,,WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 08 13:39:19 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:49:21 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,1-Dichloropropene	9.896	75	351835	34.66	ug/l	99
37) Isobutyl Alcohol	9.864	43	189823	877.67	ug/L	98
38) Carbon Tetrachloride	9.885	117	330387	34.44	ug/l	99
40) Benzene	10.133	78	1209804	36.71	ug/l	95
41) 1,2-Dichloroethane	10.198	62	391875	36.21	ug/l	99
42) tert-amyl methyl ether	10.112	73	807200	35.63	ug/l	99
43) Trichloroethene	10.769	95	290438	36.45	ug/l	96
44) Methylcyclohexane	10.931	83	219121	31.66	ug/l	95
45) 1,2-Dichloropropane	11.071	63	290894	37.29	ug/l	99
46) Dibromomethane	11.211	93	199445	36.85	ug/l	98
47) 1,4-Dioxane	11.136	88	66569	739.11	ug/l	98
48) Bromodichloromethane	11.308	83	376688	35.47	ug/l	99
49) 2-Nitropropane	11.588	41	284842	162.05	ug/l	99
50) 2-Chloroethyl vinyl ether	11.534	63	930500	193.58	ug/l	99
51) 4-Methyl-2-pentanone	11.836	43	1165334	211.32	ug/l	100
52) cis-1,3-Dichloropropene	11.761	75	488012	34.75	ug/l	100
55) Toluene	12.073	91	1300775	39.43	ug/l	99
56) trans-1,3-Dichloropropene	12.310	75	441142	36.86	ug/l	99
57) 1,1,2-Trichloroethane	12.526	83	246301	35.28	ug/l	100
58) Tetrachloroethene	12.634	166	308172	35.25	ug/l	99
59) 2-hexanone	12.666	43	816777	202.55	ug/l	99
60) 1,3-Dichloropropane	12.720	76	502207	38.21	ug/l	99
61) Dibromochloromethane	12.957	129	317641	34.37	ug/l	99
62) 1,2-Dibromoethane	13.129	107	306651	39.13	ug/l	99
63) 1-Chlorohexane	13.410	91	224086	32.60	ug/l	99
64) Chlorobenzene	13.582	112	926745	36.29	ug/l	98
65) 1,1,1,2-Tetrachloroethane	13.636	131	320741	36.78	ug/l	97
66) Ethylbenzene	13.603	91	1284460	37.39	ug/l	98
67) m,p-Xylene	13.711	91	1991867	72.24	ug/l	99
68) o-Xylene	14.142	91	1041064	35.86	ug/l	99
69) Styrene	14.164	104	854917	33.26	ug/l	100
70) Bromoform	14.466	173	218094	33.55	ug/kg	99
72) Isopropylbenzene	14.487	105	928790	35.78	ug/l	100
73) Cyclohexanone	14.735	55	115840	661.55	ug/l	88
75) Bromobenzene	14.951	156	430255	37.17	ug/l	100
76) 1,1,2,2-Tetrachloroethane	14.854	83	402089	38.83	ug/l	99
77) Trans-1,4-Dichloro-2-b...	14.907	53	98331	35.86	ug/l	94
78) 1,2,3-Trichloropropane	14.951	110	111324	35.33	ug/l	98
79) n-Propylbenzene	14.907	91	1152524	34.93	ug/l	99
80) 2-Chlorotoluene	15.091	91	944473	35.59	ug/l	99
81) 4-Chlorotoluene	15.198	91	880583	35.36	ug/l	98
82) 1,3,5-Trimethylbenzene	15.069	105	836355	33.97	ug/l	98
83) sec-Butylbenzene	15.651	105	874493	32.70	ug/l	97
84) 1,3-Dichlorobenzene	15.888	146	641717	36.63	ug/l	99
85) 4-Isopropyltoluene	15.770	119	747305	32.69	ug/l	99
86) 1,4-Dichlorobenzene	15.985	146	696546	34.54	ug/l	99
87) tert-Butylbenzene	15.425	91	408712	33.40	ug/l	100
88) n-Butylbenzene	16.211	91	629772	31.99	ug/l	100
89) 1,2-Dichlorobenzene	16.416	146	655321	37.15	ug/l	99
90) 1,2,4-Trimethylbenzene	15.479	105	931206	35.10	ug/l	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0168\
Data File : C0003823.D
Acq On : 8 Oct 2009 1:20 pm
Operator : AnjanaP
Sample : icv168-40
Misc : ms7089,VC0168,5,,,5,,WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 08 13:39:19 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:49:21 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
91) 1,2-Dibromo-3-Chloropr...	17.343	75	53750	40.48 ug/l	96
92) 1,2,4-Trichlorobenzene	18.378	180	290738	37.62 ug/l	99
93) Hexachlorobutadiene	18.475	225	150896	34.52 ug/l	99
94) Naphthalene	18.798	128	631176	35.54 ug/l	99
95) 1,2,3-Trichlorobenzene	19.154	180	231641	40.21 ug/l	98
97) TPH-GRO (C6-C10)	11.619	TIC	117290115m	Below Cal	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

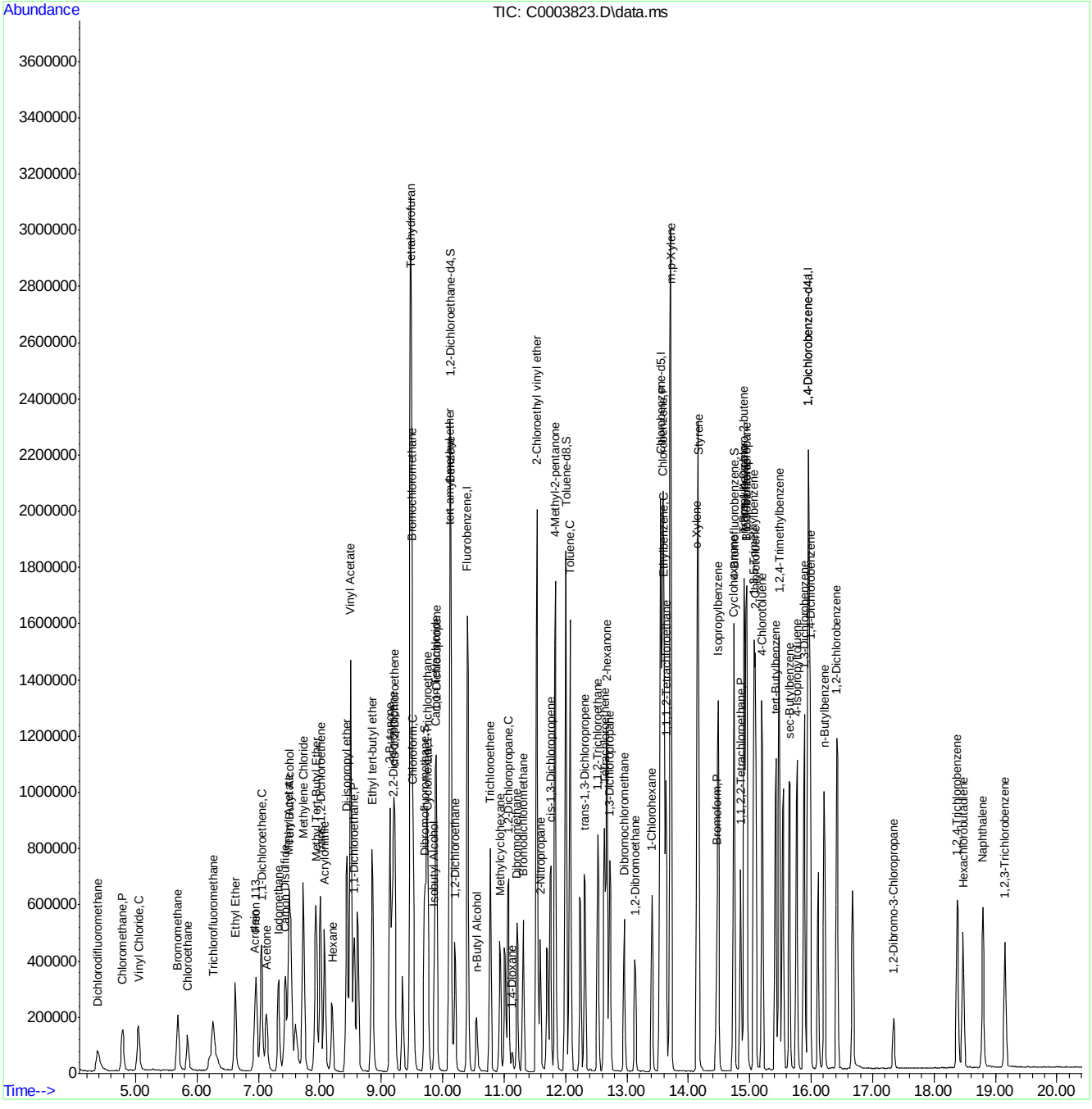
6.6.8

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\VC0168\
Data File : C0003823.D
Acq On : 8 Oct 2009 1:20 pm
Operator : AnjanaP
Sample : icv168-40
Misc : ms7089,VC0168,5,,,5,,WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 08 13:39:19 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:49:21 2009
Response via : Initial Calibration



ACCUTEST Laboratories T39513

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\VC0175\
Data File : C0003985.D
Acq On : 14 Oct 2009 11:19 am
Operator : AnjanaP
Sample : cc168-40
Misc : ms7106,VC0176,5,,,5,,WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 14 11:36:58 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:49:21 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.403	96	1255911	50.00	ug/kg	0.00
53) Chlorobenzene-d5	13.550	117	1120973	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	15.953	152	567369	50.00	ug/kg	0.00
96) 1,4-Dichlorobenzene-d4a	15.953	152	567369	50.00	ug/kg	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	9.702	113	290265	45.40	ug/l	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 90.80%			
39) 1,2-Dichloroethane-d4	10.123	65	327550	47.34	ug/l	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 94.68%			
54) Toluene-d8	12.008	98	957702	41.40	ug/l	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 82.80%#			
74) 4-Bromofluorobenzene	14.746	95	370793	41.37	ug/l	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 82.74%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.389	85	179378	36.04	ug/l	100
3) Chloromethane	4.788	50	194884	42.04	ug/l	100
4) Vinyl Chloride	5.047	62	202022	43.78	ug/l	99
5) Bromomethane	5.693	94	191789	58.33	ug/l	99
6) Chloroethane	5.844	64	142496	54.28	ug/l	99
7) Trichlorofluoromethane	6.264	101	369231	47.50	ug/l	98
8) Ethyl Ether	6.620	59	173971	39.13	ug/l	99
9) Acrolein	6.943	56	8633	144.67	ug/l	97
10) 1,1-Dichloroethene	7.051	61	316162	39.65	ug/l	97
11) Freon 113	6.965	101	232211	45.01	ug/l	93
12) Acetone	7.127	43	280293	215.29	ug/l	99
13) Iodomethane	7.331	142	402587	39.49	ug/l	98
14) Methyl Acetate	7.504	43	748364	218.25	ug/l	99
15) Carbon Disulfide	7.439	76	750552	42.98	ug/l	99
16) Methylene Chloride	7.730	49	329939	43.68	ug/l	96
17) Tert Butyl Alcohol	7.504	59	68501	443.41	ug/l #	95
18) trans-1,2-Dichloroethene	8.010	61	358784	45.11	ug/l	99
19) Acrylonitrile	8.075	53	383813	230.64	ug/l	100
20) Methyl Tert Butyl Ether	7.935	73	611133	35.93	ug/l	97
21) Hexane	8.204	57	119836	35.60	ug/l	93
22) 1,1-Dichloroethane	8.560	63	467336	44.35	ug/l	98
23) Vinyl Acetate	8.506	43	2224042	229.05	ug/l	99
24) Di-isopropyl ether	8.441	45	605748	37.25	ug/l	97
25) Ethyl tert-butyl ether	8.851	59	642836	36.92	ug/l	99
26) 2,2-Dichloropropane	9.207	77	355804	49.28	ug/l	98
27) cis-1,2-Dichloroethene	9.217	96	295131	45.04	ug/l	96
28) 2-Butanone	9.142	43	1332672	236.38	ug/l	100
29) Bromochloromethane	9.497	128	180855	46.53	ug/l	94
30) Chloroform	9.519	83	514601	44.04	ug/l	97
31) Tetrahydrofuran	9.497	42	54892	41.20	ug/l	86
32) 1,1,1-Trichloroethane	9.745	97	390178	47.04	ug/l	98
34) Cyclohexane	9.756	56	220162	37.61	ug/l	97
35) n-Butyl Alcohol	10.554	43	18382	342.61	ug/L	91

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\VC0175\
Data File : C0003985.D
Acq On : 14 Oct 2009 11:19 am
Operator : AnjanaP
Sample : cc168-40
Misc : ms7106,VC0176,5,,,5,,WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 14 11:36:58 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:49:21 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,1-Dichloropropene	9.896	75	328831	42.96	ug/l	98
37) Isobutyl Alcohol	9.864	43	60005	378.38	ug/L #	87
38) Carbon Tetrachloride	9.896	117	357038	49.31	ug/l	99
40) Benzene	10.133	78	1151492	46.28	ug/l	97
41) 1,2-Dichloroethane	10.198	62	381187	46.65	ug/l	98
42) tert-amyl methyl ether	10.112	73	653343	38.15	ug/l	93
43) Trichloroethene	10.780	95	251354	41.79	ug/l	98
44) Methylcyclohexane	10.942	83	185250	35.27	ug/l	97
45) 1,2-Dichloropropane	11.071	63	263199	44.69	ug/l	97
46) Dibromomethane	11.211	93	186292	45.59	ug/l	97
47) 1,4-Dioxane	11.136	88	47040	694.82	ug/l	96
48) Bromodichloromethane	11.308	83	368429	45.95	ug/l	99
49) 2-Nitropropane	11.588	41	312650	228.38	ug/l	97
50) 2-Chloroethyl vinyl ether	11.534	63	748563	206.77	ug/l	99
51) 4-Methyl-2-pentanone	11.836	43	939070	225.87	ug/l	98
52) cis-1,3-Dichloropropene	11.761	75	420451	39.55	ug/l	98
55) Toluene	12.073	91	1142400	38.82	ug/l	98
56) trans-1,3-Dichloropropene	12.310	75	376033	38.29	ug/l	99
57) 1,1,2-Trichloroethane	12.526	83	221121	38.63	ug/l	98
58) Tetrachloroethene	12.634	166	276679	38.61	ug/l	99
59) 2-hexanone	12.666	43	660194	199.73	ug/l	99
60) 1,3-Dichloropropane	12.720	76	455373	42.26	ug/l	98
61) Dibromochloromethane	12.957	129	300577	39.43	ug/l	99
62) 1,2-Dibromoethane	13.129	107	254758	39.65	ug/l	100
63) 1-Chlorohexane	13.409	91	170781	30.49	ug/l	89
64) Chlorobenzene	13.582	112	835581	39.91	ug/l	98
65) 1,1,1,2-Tetrachloroethane	13.636	131	310080	43.37	ug/l	96
66) Ethylbenzene	13.593	91	1161009	41.23	ug/l	99
67) m,p-Xylene	13.711	91	1796214	79.63	ug/l	99
68) o-Xylene	14.153	91	874263	36.72	ug/l	97
69) Styrene	14.164	104	833319	39.48	ug/l	99
70) Bromoform	14.466	173	212285	39.31	ug/kg	98
72) Isopropylbenzene	14.487	105	719981	33.51	ug/l	99
73) Cyclohexanone	14.735	55	36080	264.80	ug/l	85
75) Bromobenzene	14.951	156	391072	40.72	ug/l	99
76) 1,1,2,2-Tetrachloroethane	14.854	83	350722	40.82	ug/l	99
77) Trans-1,4-Dichloro-2-b...	14.907	53	93415	40.97	ug/l	97
78) 1,2,3-Trichloropropane	14.951	110	110159	42.14	ug/l	98
79) n-Propylbenzene	14.907	91	1027282	37.53	ug/l	100
80) 2-Chlorotoluene	15.091	91	856947	38.98	ug/l	99
81) 4-Chlorotoluene	15.198	91	754774	36.52	ug/l	99
82) 1,3,5-Trimethylbenzene	15.069	105	728512	35.62	ug/l	99
83) sec-Butylbenzene	15.651	105	767001	34.53	ug/l	97
84) 1,3-Dichlorobenzene	15.888	146	576731	39.68	ug/l	98
85) 4-Isopropyltoluene	15.770	119	648514	34.14	ug/l	100
86) 1,4-Dichlorobenzene	15.985	146	637410	38.09	ug/l	98
87) tert-Butylbenzene	15.425	91	349353	34.37	ug/l	99
88) n-Butylbenzene	16.211	91	587643	35.93	ug/l	98
89) 1,2-Dichlorobenzene	16.427	146	567221	38.76	ug/l	98
90) 1,2,4-Trimethylbenzene	15.479	105	826499	37.52	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\VC0175\
Data File : C0003985.D
Acq On : 14 Oct 2009 11:19 am
Operator : AnjanaP
Sample : cc168-40
Misc : ms7106,VC0176,5,,,5,,WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 14 11:36:58 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:49:21 2009
Response via : Initial Calibration

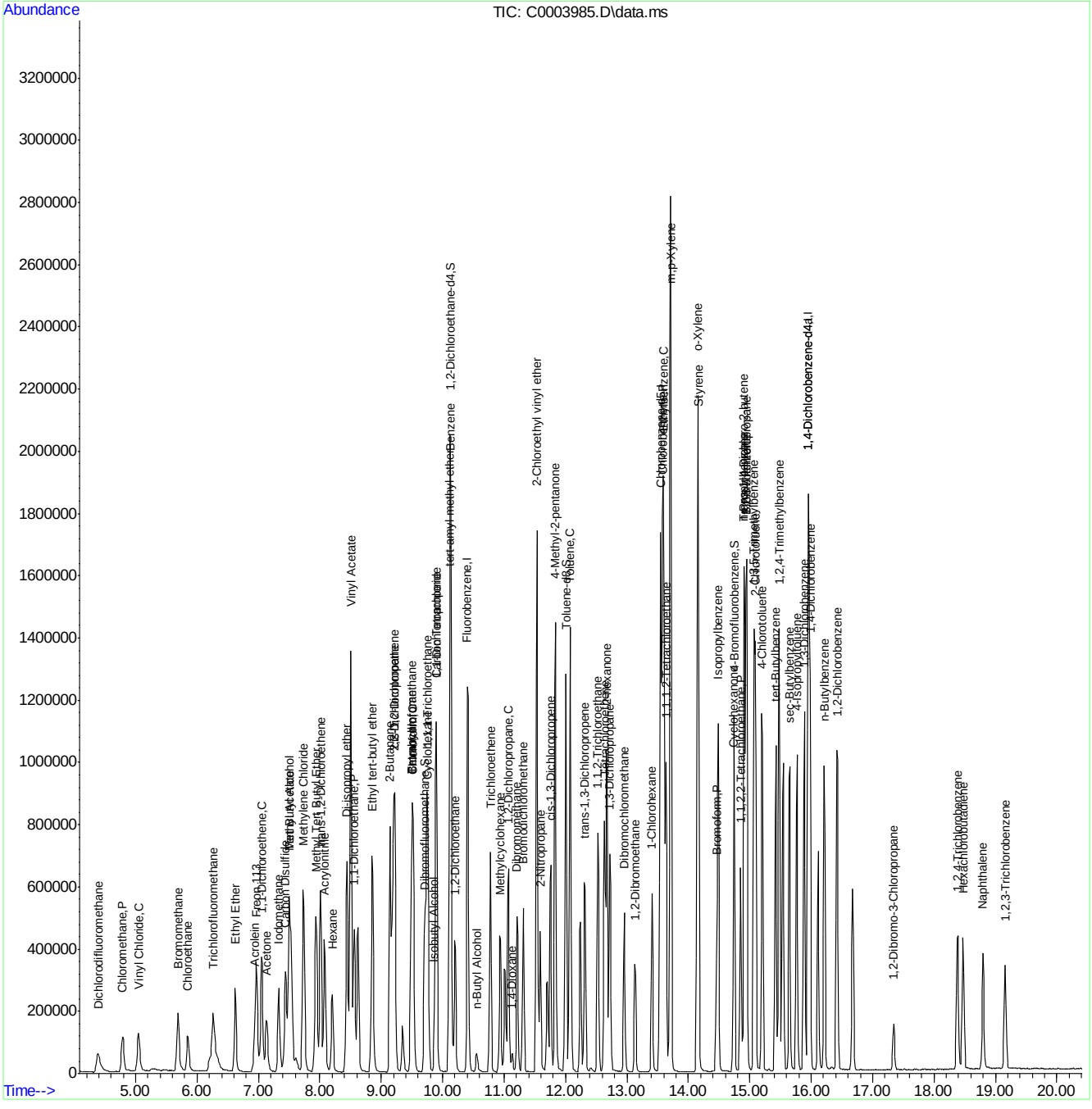
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
91) 1,2-Dibromo-3-Chloropr...	17.343	75	45030	40.87 ug/l	99
92) 1,2,4-Trichlorobenzene	18.388	180	215381	33.59 ug/l	98
93) Hexachlorobutadiene	18.475	225	132766	36.63 ug/l	97
94) Naphthalene	18.798	128	400204	27.97 ug/l	100
95) 1,2,3-Trichlorobenzene	19.164	180	174624	36.53 ug/l	97
97) TPH-GRO (C6-C10)	11.619	TIC	98620665m	Below Cal	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\VC0175\
Data File : C0003985.D
Acq On : 14 Oct 2009 11:19 am
Operator : AnjanaP
Sample : cc168-40
Misc : ms7106,VC0176,5,,,5,,WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 14 11:36:58 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:49:21 2009
Response via : Initial Calibration



ACCUTEST Laboratories T39513

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\VC0175\
Data File : C0003985.D
Acq On : 14 Oct 2009 11:19 am
Operator : AnjanaP
Sample : cc168-40
Misc : ms7106,VC0176,5,,,5,,WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 14 11:36:58 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:49:21 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.403	96	1255911	50.00	ug/kg	0.00
53) Chlorobenzene-d5	13.550	117	1120973	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	15.953	152	567369	50.00	ug/kg	0.00
96) 1,4-Dichlorobenzene-d4a	15.953	152	567369	50.00	ug/kg	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	9.702	113	290265	45.40	ug/l	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 90.80%			
39) 1,2-Dichloroethane-d4	10.123	65	327550	47.34	ug/l	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 94.68%			
54) Toluene-d8	12.008	98	957702	41.40	ug/l	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 82.80%#			
74) 4-Bromofluorobenzene	14.746	95	370793	41.37	ug/l	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 82.74%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.389	85	179378	36.04	ug/l	100
3) Chloromethane	4.788	50	194884	42.04	ug/l	100
4) Vinyl Chloride	5.047	62	202022	43.78	ug/l	99
5) Bromomethane	5.693	94	191789	58.33	ug/l	99
6) Chloroethane	5.844	64	142496	54.28	ug/l	99
7) Trichlorofluoromethane	6.264	101	369231	47.50	ug/l	98
8) Ethyl Ether	6.620	59	173971	39.13	ug/l	99
9) Acrolein	6.943	56	8633	144.67	ug/l	97
10) 1,1-Dichloroethene	7.051	61	316162	39.65	ug/l	97
11) Freon 113	6.965	101	232211	45.01	ug/l	93
12) Acetone	7.127	43	280293	215.29	ug/l	99
13) Iodomethane	7.331	142	402587	39.49	ug/l	98
14) Methyl Acetate	7.504	43	748364	218.25	ug/l	99
15) Carbon Disulfide	7.439	76	750552	42.98	ug/l	99
16) Methylene Chloride	7.730	49	329939	43.68	ug/l	96
17) Tert Butyl Alcohol	7.504	59	68501	443.41	ug/l #	95
18) trans-1,2-Dichloroethene	8.010	61	358784	45.11	ug/l	99
19) Acrylonitrile	8.075	53	383813	230.64	ug/l	100
20) Methyl Tert Butyl Ether	7.935	73	611133	35.93	ug/l	97
21) Hexane	8.204	57	119836	35.60	ug/l	93
22) 1,1-Dichloroethane	8.560	63	467336	44.35	ug/l	98
23) Vinyl Acetate	8.506	43	2224042	229.05	ug/l	99
24) Di-isopropyl ether	8.441	45	605748	37.25	ug/l	97
25) Ethyl tert-butyl ether	8.851	59	642836	36.92	ug/l	99
26) 2,2-Dichloropropane	9.207	77	355804	49.28	ug/l	98
27) cis-1,2-Dichloroethene	9.217	96	295131	45.04	ug/l	96
28) 2-Butanone	9.142	43	1332672	236.38	ug/l	100
29) Bromochloromethane	9.497	128	180855	46.53	ug/l	94
30) Chloroform	9.519	83	514601	44.04	ug/l	97
31) Tetrahydrofuran	9.497	42	54892	41.20	ug/l	86
32) 1,1,1-Trichloroethane	9.745	97	390178	47.04	ug/l	98
34) Cyclohexane	9.756	56	220162	37.61	ug/l	97
35) n-Butyl Alcohol	10.554	43	18382	342.61	ug/L	91

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\VC0175\
Data File : C0003985.D
Acq On : 14 Oct 2009 11:19 am
Operator : AnjanaP
Sample : cc168-40
Misc : ms7106,VC0176,5,,,5,,WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 14 11:36:58 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:49:21 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,1-Dichloropropene	9.896	75	328831	42.96	ug/l	98
37) Isobutyl Alcohol	9.864	43	60005	378.38	ug/L #	87
38) Carbon Tetrachloride	9.896	117	357038	49.31	ug/l	99
40) Benzene	10.133	78	1151492	46.28	ug/l	97
41) 1,2-Dichloroethane	10.198	62	381187	46.65	ug/l	98
42) tert-amyl methyl ether	10.112	73	653343	38.15	ug/l	93
43) Trichloroethene	10.780	95	251354	41.79	ug/l	98
44) Methylcyclohexane	10.942	83	185250	35.27	ug/l	97
45) 1,2-Dichloropropane	11.071	63	263199	44.69	ug/l	97
46) Dibromomethane	11.211	93	186292	45.59	ug/l	97
47) 1,4-Dioxane	11.136	88	47040	694.82	ug/l	96
48) Bromodichloromethane	11.308	83	368429	45.95	ug/l	99
49) 2-Nitropropane	11.588	41	312650	228.38	ug/l	97
50) 2-Chloroethyl vinyl ether	11.534	63	748563	206.77	ug/l	99
51) 4-Methyl-2-pentanone	11.836	43	939070	225.87	ug/l	98
52) cis-1,3-Dichloropropene	11.761	75	420451	39.55	ug/l	98
55) Toluene	12.073	91	1142400	38.82	ug/l	98
56) trans-1,3-Dichloropropene	12.310	75	376033	38.29	ug/l	99
57) 1,1,2-Trichloroethane	12.526	83	221121	38.63	ug/l	98
58) Tetrachloroethene	12.634	166	276679	38.61	ug/l	99
59) 2-hexanone	12.666	43	660194	199.73	ug/l	99
60) 1,3-Dichloropropane	12.720	76	455373	42.26	ug/l	98
61) Dibromochloromethane	12.957	129	300577	39.43	ug/l	99
62) 1,2-Dibromoethane	13.129	107	254758	39.65	ug/l	100
63) 1-Chlorohexane	13.409	91	170781	30.49	ug/l	89
64) Chlorobenzene	13.582	112	835581	39.91	ug/l	98
65) 1,1,1,2-Tetrachloroethane	13.636	131	310080	43.37	ug/l	96
66) Ethylbenzene	13.593	91	1161009	41.23	ug/l	99
67) m,p-Xylene	13.711	91	1796214	79.63	ug/l	99
68) o-Xylene	14.153	91	874263	36.72	ug/l	97
69) Styrene	14.164	104	833319	39.48	ug/l	99
70) Bromoform	14.466	173	212285	39.31	ug/kg	98
72) Isopropylbenzene	14.487	105	719981	33.51	ug/l	99
73) Cyclohexanone	14.735	55	36080	264.80	ug/l	85
75) Bromobenzene	14.951	156	391072	40.72	ug/l	99
76) 1,1,2,2-Tetrachloroethane	14.854	83	350722	40.82	ug/l	99
77) Trans-1,4-Dichloro-2-b...	14.907	53	93415	40.97	ug/l	97
78) 1,2,3-Trichloropropane	14.951	110	110159	42.14	ug/l	98
79) n-Propylbenzene	14.907	91	1027282	37.53	ug/l	100
80) 2-Chlorotoluene	15.091	91	856947	38.98	ug/l	99
81) 4-Chlorotoluene	15.198	91	754774	36.52	ug/l	99
82) 1,3,5-Trimethylbenzene	15.069	105	728512	35.62	ug/l	99
83) sec-Butylbenzene	15.651	105	767001	34.53	ug/l	97
84) 1,3-Dichlorobenzene	15.888	146	576731	39.68	ug/l	98
85) 4-Isopropyltoluene	15.770	119	648514	34.14	ug/l	100
86) 1,4-Dichlorobenzene	15.985	146	637410	38.09	ug/l	98
87) tert-Butylbenzene	15.425	91	349353	34.37	ug/l	99
88) n-Butylbenzene	16.211	91	587643	35.93	ug/l	98
89) 1,2-Dichlorobenzene	16.427	146	567221	38.76	ug/l	98
90) 1,2,4-Trimethylbenzene	15.479	105	826499	37.52	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\VC0175\
Data File : C0003985.D
Acq On : 14 Oct 2009 11:19 am
Operator : AnjanaP
Sample : cc168-40
Misc : ms7106,VC0176,5,,,5,,WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 14 11:36:58 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:49:21 2009
Response via : Initial Calibration

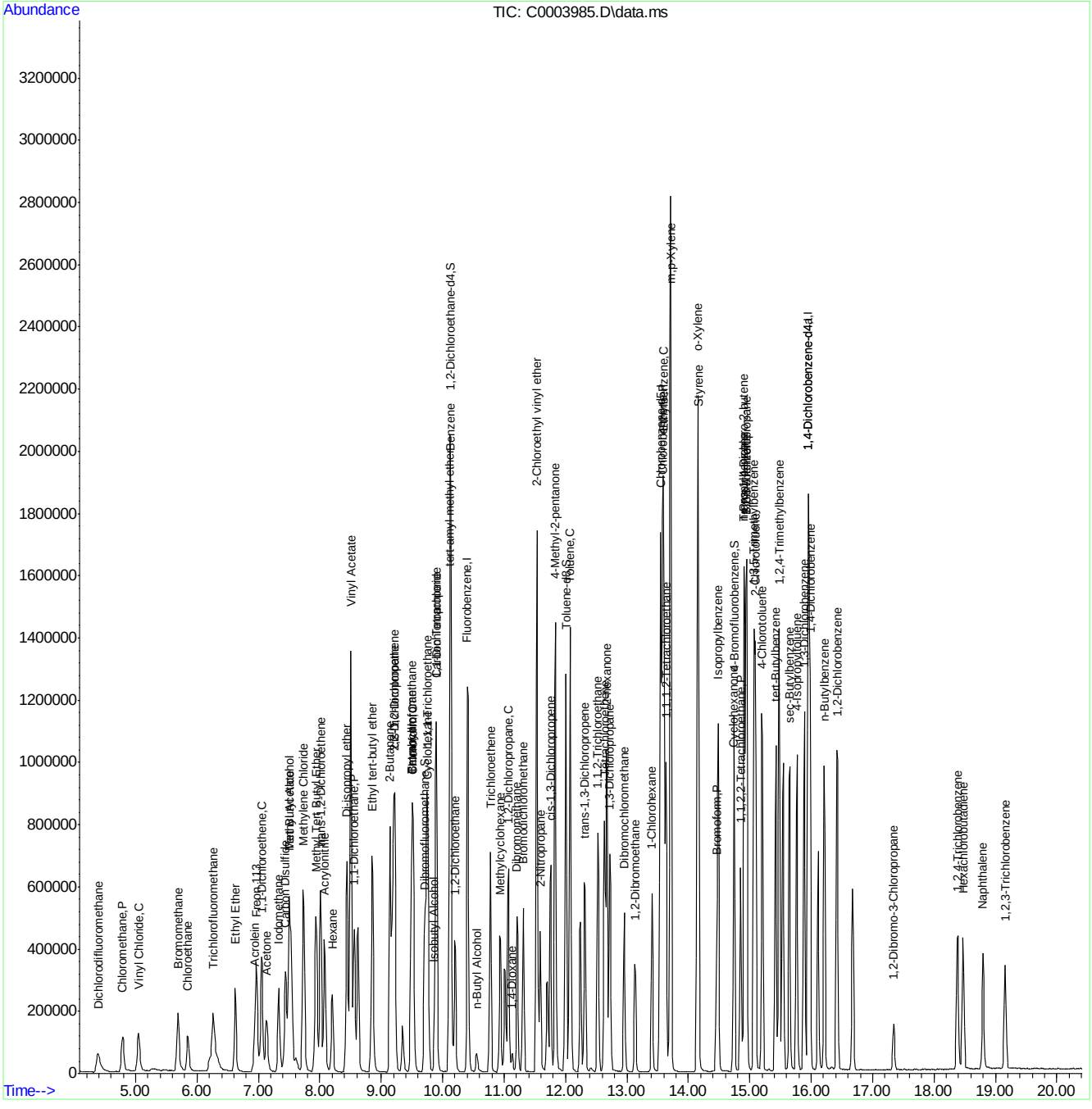
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
91) 1,2-Dibromo-3-Chloropr...	17.343	75	45030	40.87 ug/l	99
92) 1,2,4-Trichlorobenzene	18.388	180	215381	33.59 ug/l	98
93) Hexachlorobutadiene	18.475	225	132766	36.63 ug/l	97
94) Naphthalene	18.798	128	400204	27.97 ug/l	100
95) 1,2,3-Trichlorobenzene	19.164	180	174624	36.53 ug/l	97
97) TPH-GRO (C6-C10)	11.619	TIC	98620665m	Below Cal	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\VC0175\
Data File : C0003985.D
Acq On : 14 Oct 2009 11:19 am
Operator : AnjanaP
Sample : cc168-40
Misc : ms7106,VC0176,5,,,5,,WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 14 11:36:58 2009
Quant Method : C:\msdchem\1\METHODS\VC168.m
Quant Title : SW846 8260B and EPA624
QLast Update : Thu Oct 08 12:49:21 2009
Response via : Initial Calibration



VC168.m Thu Oct 15 11:41:16 2009 Page: 4

ACCUTEST Laboratories T39513

Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Laidlaw
09/15/09 17:42

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019682.D Vial: 2
Acq On : 14 Sep 2009 12:31 pm Operator: AnjanaP
Sample : ic3547-1 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:09:41 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:08:34 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.67	96	956208	50.00	ug/L	0.00
53) Chlorobenzene-d5	14.63	117	697608	50.00	ug/L	-0.01
71) 1,4-Dichlorobenzene-d4	17.81	152	394454	50.00	ug/L	-0.01
96) 1,4-Dichlorobenzene-d4a	17.81	152	394454	50.00	ug/kg	-0.01

System Monitoring Compounds						
33) Dibromofluoromethane	9.85	113	6329	1.06	ug/L	-0.01
Spiked Amount 50.000	Range 79 - 122		Recovery = 2.12%#			
38) 1,2-Dichloroethane-d4	10.34	65	9407	1.12	ug/L	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 2.24%#			
54) Toluene-d8	12.62	98	20214	1.27	ug/L	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 2.54%#			
74) 4-Bromofluorobenzene	16.19	95	10654	1.46	ug/L	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 2.92%#			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.70	85	5573	0.84	ug/L	92
3) Chloromethane	5.04	50	6800	1.03	ug/L	93
4) Vinyl Chloride	5.29	62	4453	0.83	ug/L #	44
5) Bromomethane	5.88	94	4656	1.29	ug/L	87
6) Chloroethane	6.02	64	3011	1.14	ug/L	73
7) Trichlorofluoromethane	6.36	101	9437	1.10	ug/L	81
8) Acrolein	8.21	56	2060	5.29	ug/L	59
9) Ethyl Ether	6.67	59	3720	1.06	ug/L	88
10) 1,1-Dichloroethene	7.10	61	6980	1.03	ug/L	95
11) Freon 113	6.97	101	3967	0.94	ug/L	88
12) Acetone	7.15	43	16378	12.10	ug/L	82
13) Iodomethane	7.41	142	7314	0.89	ug/L #	91
14) Methyl acetate	7.50	43	20795	7.54	ug/L	90
15) Carbon Disulfide	7.54	76	13743	1.04	ug/L	96
16) Methylene Chloride	7.78	49	9543	1.62	ug/L	84
17) Tert Butyl Alcohol	7.69	59	4649	11.24	ug/L	70
18) trans-1,2-Dichloroethene	8.04	61	6217	0.96	ug/L	86
19) Acrylonitrile	8.09	53	5791	5.52	ug/L	91
20) Methyl Tert Butyl Ether	7.92	73	15482	1.05	ug/L	93
21) Hexane	8.22	57	3470	1.10	ug/L	78
22) 1,1-Dichloroethane	8.60	63	7844	0.95	ug/L	97
23) Vinyl acetate	8.43	43	8397	5.80	ug/L	89
24) Di-isopropyl ether	8.43	45	17043	1.09	ug/L	93
25) Ethyl tert-butyl ether	8.87	59	15836	0.98	ug/L	94
26) 2,2-Dichloropropane	9.28	77	7239	1.07	ug/L	92
27) cis-1,2-Dichloroethene	9.31	96	5498	0.97	ug/L	96
28) 2-Butanone	9.20	43	21865	3.87	ug/L	100
29) Bromochloromethane	9.64	128	2400	0.82	ug/L	88
30) Chloroform	9.64	83	10452	0.93	ug/L	92
31) Tetrahydrofuran	9.20	42	3341	1.21	ug/L	75
32) 1,1,1-Trichloroethane	9.90	97	9311	0.97	ug/L	95
34) Cyclohexane	9.92	56	5124	0.99	ug/L	88
35) n-Butyl Alcohol	9.91	43	309	6.86	ug/L #	1
36) 1,1-Dichloropropene	10.07	75	6645	0.97	ug/L	96

(#) = qualifier out of range (m) = manual integration
F019682.D VF3547.M Tue Sep 15 09:55:39 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019682.D Vial: 2
Acq On : 14 Sep 2009 12:31 pm Operator: AnjanaP
Sample : ic3547-1 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:09:41 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:08:34 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37)	Carbon Tetrachloride	10.08	117	8163	0.99	ug/L		95
39)	Benzene	10.36	78	15506	0.99	ug/L		98
40)	1,2-Dichloroethane	10.42	62	9792	1.01	ug/L		94
41)	tert-amyl methyl ether	10.31	73	15768	1.09	ug/L		86
42)	Trichloroethene	11.10	95	10733	1.94	ug/L		98
43)	Methylcyclohexane	11.29	83	4948	1.03	ug/L		95
44)	1,2-Dichloropropane	11.46	63	3850	1.00	ug/L		87
45)	Dibromomethane	11.65	93	3620	0.92	ug/L		93
47)	Bromodichloromethane	11.75	83	9855	1.04	ug/L		97
48)	2-Nitropropane	12.08	41	10680	5.40	ug/L		91
49)	2-Chloroethyl vinyl ether	12.01	63	9868	4.70	ug/L		84
50)	1-Bromo-2-Chloroethane	12.25	63	5967	1.06	uL/L		94
51)	4-Methyl-2-pentanone	12.38	43	21101	5.74	ug/L		96
52)	cis-1,3-Dichloropropene	12.30	75	8656	0.99	ug/L		96
55)	Toluene	12.71	91	19583	1.07	ug/L		96
56)	trans-1,3-Dichloropropene	13.01	75	8212	0.98	ug/L		89
57)	1,1,2-Trichloroethane	13.29	83	3637	1.06	ug/L		93
58)	Tetrachloroethene	13.43	166	6155	1.09	ug/L		90
59)	2-hexanone	13.44	43	14675	5.48	ug/L		97
60)	1,3-Dichloropropane	13.54	76	8286	1.07	ug/L		88
61)	Dibromochloromethane	13.87	129	5946	0.94	ug/L		93
62)	1,2-Dibromoethane	14.09	107	4835	0.98	ug/L		83
63)	1-Chlorohexane	14.43	91	6754	1.04	ug/L		91
64)	Chlorobenzene	14.68	112	13385	1.08	ug/L		97
65)	1,1,1,2-Tetrachloroethane	14.75	131	5410	0.97	ug/L	#	70
66)	Ethylbenzene	14.68	91	25295	1.08	ug/L		92
67)	m,p-Xylene	14.83	91	37073	2.03	ug/L		98
68)	o-Xylene	15.41	91	19304	1.01	ug/L		99
69)	Styrene	15.44	104	12803	0.93	ug/L		96
70)	Bromoform	15.84	173	4214	0.92	ug/L		92
72)	Isopropylbenzene	15.85	105	17798	1.04	ug/L		94
73)	Cyclohexanone	16.16	55	544	3.78	ug/L	#	27
75)	Bromobenzene	16.46	156	6422	1.04	ug/L		91
76)	1,1,2,2-Tetrachloroethane	16.33	83	5303	1.13	ug/L		83
77)	Trans-1,4-Dichloro-2-Buten	16.40	53	1873	0.98	ug/L	#	87
78)	1,2,3-Trichloropropane	16.46	110	2029	1.12	ug/L		75
79)	n-Propylbenzene	16.39	91	25454	1.08	ug/L		100
80)	2-Chlorotoluene	16.64	91	20035	1.15	ug/L		96
81)	4-Chlorotoluene	16.79	91	18670	1.14	ug/L		92
82)	1,3,5-Trimethylbenzene	16.59	105	16231	1.03	ug/L		96
83)	sec-Butylbenzene	17.38	105	19271	1.12	ug/L		99
84)	1,3-Dichlorobenzene	17.73	146	9900	1.00	ug/L		90
85)	4-Isopropyltoluene	17.54	119	15037	1.08	ug/L		99
86)	1,4-Dichlorobenzene	17.73	146	9900	0.95	ug/L		89
87)	tert-Butylbenzene	17.55	91	5185	1.66	ug/L	#	68
88)	n-Butylbenzene	18.15	91	16098	1.13	ug/L		94
89)	1,2-Dichlorobenzene	18.43	146	9891	1.02	ug/L		92
90)	1,2,4-Trimethylbenzene	17.15	105	17749	1.05	ug/L		89
91)	1,2-Dibromo-3-Chloropropan	19.59	75	1180	1.16	ug/L	#	52

(#) = qualifier out of range (m) = manual integration
F019682.D VF3547.M Tue Sep 15 09:55:39 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019682.D Vial: 2
Acq On : 14 Sep 2009 12:31 pm Operator: AnjanaP
Sample : ic3547-1 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:09:41 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:08:34 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
92)	1,2,4-Trichlorobenzene	20.81	180	6329	1.10	ug/L	92
93)	Hexachlorobutadiene	20.88	225	4084	1.58	ug/L	94
94)	Naphthalene	21.28	128	10874	1.28	ug/L	98
95)	1,2,3-Trichlorobenzene	21.68	180	4991	1.57	ug/L	90
97)	TPH-GRO (C6-C10)	12.39	TIC	184556m	5.23	ug/kg	

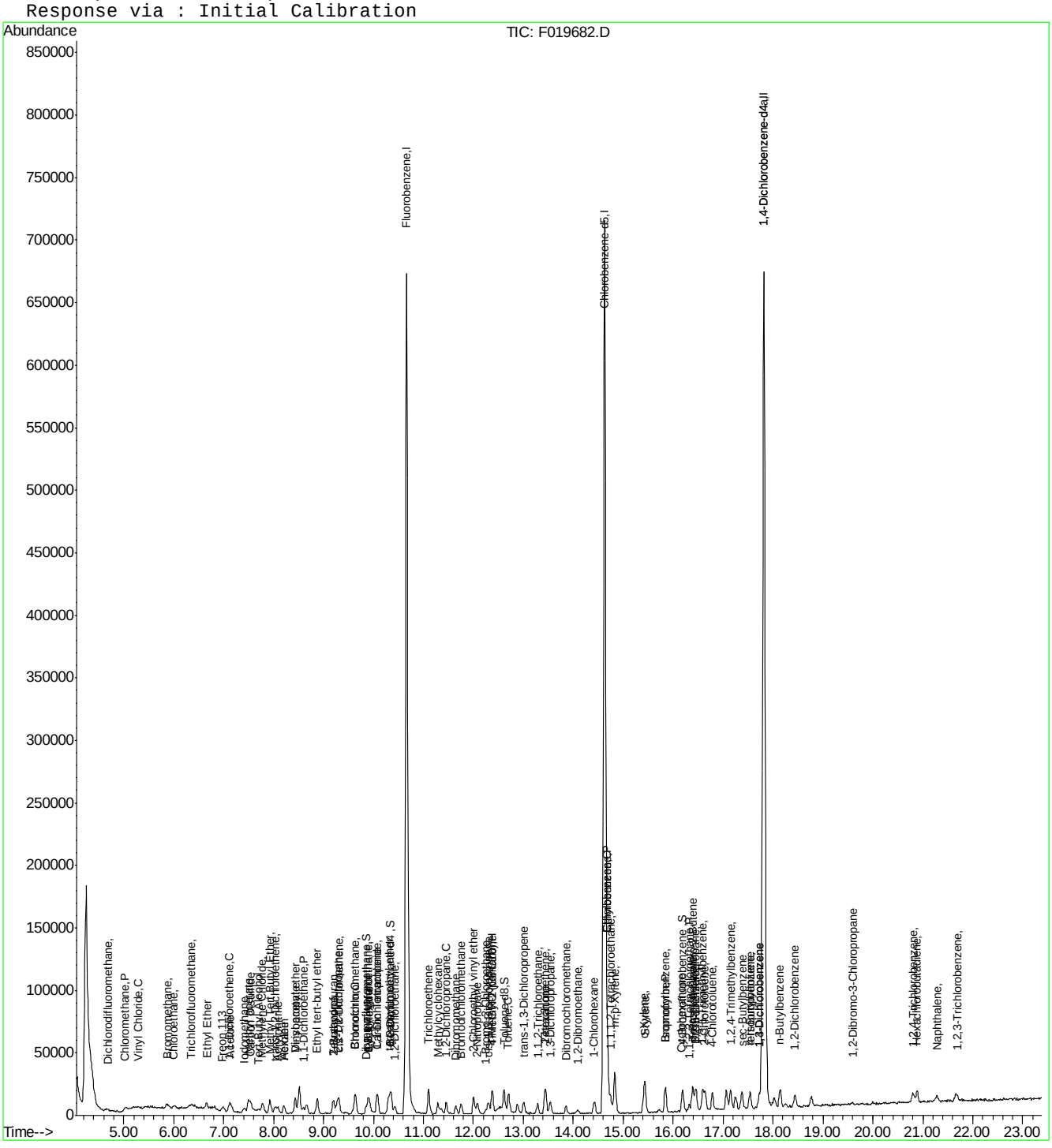
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ACCUTEST Laboratories T39513

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019682.D Vial: 2
Acq On : 14 Sep 2009 12:31 pm Operator: AnjanaP
Sample : ic3547-1 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:09 2009 Quant Results File: VF3547.RES

Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Tue Sep 15 08:59:11 2009
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Laidlaw
09/15/09 17:42

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019683.D Vial: 3
Acq On : 14 Sep 2009 1:01 pm Operator: AnjanaP
Sample : ic3547-2 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:11:05 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:10:47 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.67	96	947288	50.00	ug/L	0.00
53) Chlorobenzene-d5	14.64	117	695473	50.00	ug/L	0.00
71) 1,4-Dichlorobenzene-d4	17.82	152	390028	50.00	ug/L	0.00
96) 1,4-Dichlorobenzene-d4a	17.82	152	390028	50.00	ug/kg	0.00

System Monitoring Compounds						
33) Dibromofluoromethane	9.86	113	10997	1.80	ug/L	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 3.60%#			
38) 1,2-Dichloroethane-d4	10.34	65	16182	1.84	ug/L	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 3.68%#			
54) Toluene-d8	12.62	98	32778	1.82	ug/L	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 3.64%#			
74) 4-Bromofluorobenzene	16.19	95	15304	1.72	ug/L	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 3.44%#			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.68	85	10398	1.72	ug/L	96
3) Chloromethane	5.04	50	8884	1.34	ug/L	88
4) Vinyl Chloride	5.28	62	7538	1.59	ug/L	98
5) Bromomethane	5.87	94	8374	2.05	ug/L	86
6) Chloroethane	6.03	64	4985	1.77	ug/L	97
7) Trichlorofluoromethane	6.36	101	17233	1.93	ug/L	97
8) Acrolein	8.21	56	4442	11.19	ug/L	59
9) Ethyl Ether	6.66	59	7617	2.13	ug/L	93
10) 1,1-Dichloroethene	7.11	61	14802	2.17	ug/L	98
11) Freon 113	7.00	101	9430	2.31	ug/L	89
12) Acetone	7.16	43	22736	10.04	ug/L	98
13) Iodomethane	7.42	142	15389	2.00	ug/L	97
14) Methyl acetate	7.51	43	32239	9.41	ug/L	95
15) Carbon Disulfide	7.55	76	26918	2.02	ug/L	99
16) Methylene Chloride	7.79	49	14838	1.94	ug/L	91
17) Tert Butyl Alcohol	7.71	59	8508	19.55	ug/L	86
18) trans-1,2-Dichloroethene	8.03	61	12921	2.05	ug/L	91
19) Acrylonitrile	8.09	53	11329	10.36	ug/L	94
20) Methyl Tert Butyl Ether	7.93	73	30605	2.04	ug/L	97
21) Hexane	8.21	57	7369	2.25	ug/L	94
22) 1,1-Dichloroethane	8.61	63	16703	2.09	ug/L	92
23) Vinyl acetate	8.44	43	14233	9.19	ug/L	88
24) Di-isopropyl ether	8.44	45	30683	1.89	ug/L	98
25) Ethyl tert-butyl ether	8.88	59	30080	1.89	ug/L	92
26) 2,2-Dichloropropane	9.29	77	14488	2.09	ug/L	99
27) cis-1,2-Dichloroethene	9.31	96	11621	2.11	ug/L	94
28) 2-Butanone	9.20	43	58802	11.84	ug/L	100
29) Bromochloromethane	9.65	128	5581	2.11	ug/L	98
30) Chloroform	9.65	83	22923	2.13	ug/L	98
31) Tetrahydrofuran	9.21	42	4525	1.45	ug/L	78
32) 1,1,1-Trichloroethane	9.90	97	19652	2.10	ug/L	94
34) Cyclohexane	9.93	56	11839	2.32	ug/L	83
35) n-Butyl Alcohol	9.92	43	1980	47.24	ug/L #	28
36) 1,1-Dichloropropene	10.08	75	14123	2.11	ug/L	96

(#) = qualifier out of range (m) = manual integration
F019683.D VF3547.M Tue Sep 15 09:55:41 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019683.D Vial: 3
Acq On : 14 Sep 2009 1:01 pm Operator: AnjanaP
Sample : ic3547-2 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:11:05 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:10:47 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37)	Carbon Tetrachloride	10.08	117	16977	2.09	ug/L		98
39)	Benzene	10.36	78	32415	2.10	ug/L		87
40)	1,2-Dichloroethane	10.43	62	18959	1.96	ug/L		95
41)	tert-amyl methyl ether	10.31	73	29652	1.98	ug/L		96
42)	Trichloroethene	11.11	95	15738	1.95	ug/L		97
43)	Methylcyclohexane	11.30	83	10094	2.09	ug/L		96
44)	1,2-Dichloropropane	11.46	63	7906	2.07	ug/L		93
45)	Dibromomethane	11.65	93	7546	2.01	ug/L		82
46)	1,4-Dioxane	11.56	88	1216	29.28	ug/L	#	63
47)	Bromodichloromethane	11.76	83	18337	1.91	ug/L		96
48)	2-Nitropropane	12.09	41	21935	10.76	ug/L		98
49)	2-Chloroethyl vinyl ether	12.01	63	18258	9.05	ug/L		88
50)	1-Bromo-2-Chloroethane	12.25	63	11589	2.02	uL/L		100
51)	4-Methyl-2-pentanone	12.38	43	39511	10.10	ug/L		97
52)	cis-1,3-Dichloropropene	12.30	75	16922	1.96	ug/L		89
55)	Toluene	12.71	91	39063	2.07	ug/L		96
56)	trans-1,3-Dichloropropene	13.01	75	16632	2.01	ug/L		96
57)	1,1,2-Trichloroethane	13.29	83	7295	2.07	ug/L		94
58)	Tetrachloroethene	13.43	166	12622	2.15	ug/L		96
59)	2-hexanone	13.45	43	28082	10.03	ug/L		98
60)	1,3-Dichloropropane	13.54	76	16463	2.06	ug/L		91
61)	Dibromochloromethane	13.86	129	12213	1.99	ug/L		96
62)	1,2-Dibromoethane	14.09	107	10279	2.11	ug/L		93
63)	1-Chlorohexane	14.43	91	13749	2.08	ug/L		93
64)	Chlorobenzene	14.67	112	25180	1.96	ug/L		89
65)	1,1,1,2-Tetrachloroethane	14.75	131	11592	2.11	ug/L		85
66)	Ethylbenzene	14.68	91	50842	2.10	ug/L		98
67)	m,p-Xylene	14.83	91	77707	4.23	ug/L		93
68)	o-Xylene	15.42	91	40204	2.10	ug/L		94
69)	Styrene	15.45	104	26449	2.00	ug/L		95
70)	Bromoform	15.85	173	9275	2.11	ug/L		87
72)	Isopropylbenzene	15.85	105	37212	2.16	ug/L		96
73)	Cyclohexanone	16.20	55	1896	14.49	ug/L	#	71
75)	Bromobenzene	16.47	156	13766	2.21	ug/L		98
76)	1,1,2,2-Tetrachloroethane	16.33	83	10422	2.11	ug/L		93
77)	Trans-1,4-Dichloro-2-Buten	16.40	53	3664	1.96	ug/L	#	93
78)	1,2,3-Trichloropropane	16.47	110	3958	2.09	ug/L		79
79)	n-Propylbenzene	16.40	91	51663	2.13	ug/L		98
80)	2-Chlorotoluene	16.64	91	38927	2.10	ug/L		97
81)	4-Chlorotoluene	16.79	91	36634	2.11	ug/L		99
82)	1,3,5-Trimethylbenzene	16.59	105	34365	2.17	ug/L		96
83)	sec-Butylbenzene	17.38	105	37811	2.10	ug/L		97
84)	1,3-Dichlorobenzene	17.73	146	21717	2.22	ug/L		94
85)	4-Isopropyltoluene	17.55	119	30960	2.16	ug/L		99
86)	1,4-Dichlorobenzene	17.73	146	21717	2.16	ug/L		95
87)	tert-Butylbenzene	17.39	91	8158	2.00	ug/L		91
88)	n-Butylbenzene	18.15	91	29139	1.94	ug/L		98
89)	1,2-Dichlorobenzene	18.44	146	19585	2.02	ug/L		95
90)	1,2,4-Trimethylbenzene	17.15	105	35759	2.08	ug/L		93

(#) = qualifier out of range (m) = manual integration
F019683.D VF3547.M Tue Sep 15 09:55:41 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019683.D Vial: 3
Acq On : 14 Sep 2009 1:01 pm Operator: AnjanaP
Sample : ic3547-2 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:11:05 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:10:47 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

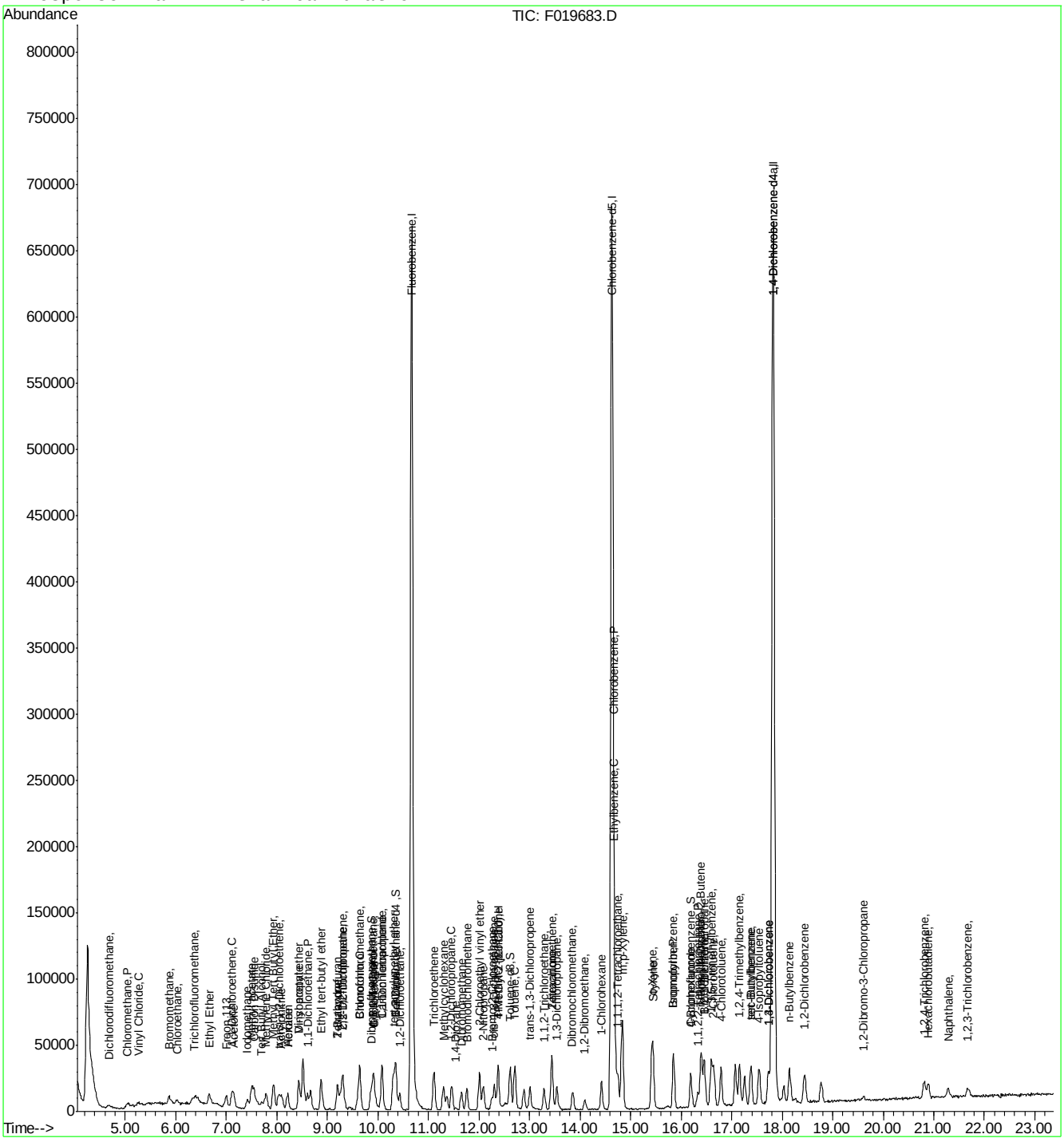
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	1,2-Dibromo-3-Chloropropan	19.60	75	2425	2.24	ug/L	87
92)	1,2,4-Trichlorobenzene	20.81	180	9654	1.62	ug/L	97
93)	Hexachlorobutadiene	20.89	225	5689	1.73	ug/L	89
94)	Naphthalene	21.28	128	13984	1.46	ug/L	80
95)	1,2,3-Trichlorobenzene	21.67	180	6548	1.62	ug/L	96
97)	TPH-GRO (C6-C10)	12.39	TIC	2699442m	77.34	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed
F019683.D VF3547.M Tue Sep 15 09:55:41 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019683.D Vial: 3
Acq On : 14 Sep 2009 1:01 pm Operator: AnjanaP
Sample : ic3547-2 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:11 2009 Quant Results File: VF3547.RES

Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Tue Sep 15 08:59:11 2009
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Laidlaw
09/15/09 17:42

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019684.D Vial: 4
Acq On : 14 Sep 2009 1:31 pm Operator: AnjanaP
Sample : ic3547-5 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:11:34 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:11:23 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.68	96	1008594	50.00	ug/L	0.00
53) Chlorobenzene-d5	14.64	117	729549	50.00	ug/L	0.00
71) 1,4-Dichlorobenzene-d4	17.82	152	410756	50.00	ug/L	0.00
96) 1,4-Dichlorobenzene-d4a	17.82	152	410756	50.00	ug/kg	0.00

System Monitoring Compounds						
33) Dibromofluoromethane	9.86	113	31064	4.95	ug/L	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 9.90%#			
38) 1,2-Dichloroethane-d4	10.35	65	45217	4.95	ug/L	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 9.90%#			
54) Toluene-d8	12.63	98	89755	4.90	ug/L	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 9.80%#			
74) 4-Bromofluorobenzene	16.20	95	39760	4.46	ug/L	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 8.92%#			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.68	85	29821	4.85	ug/L	86
3) Chloromethane	5.05	50	23140	3.67	ug/L	96
4) Vinyl Chloride	5.28	62	21305	4.12	ug/L	88
5) Bromomethane	5.89	94	19688	4.48	ug/L	93
6) Chloroethane	6.04	64	13315	4.77	ug/L	95
7) Trichlorofluoromethane	6.36	101	44400	4.84	ug/L	97
8) Acrolein	8.22	56	11785	26.82	ug/L	82
9) Ethyl Ether	6.68	59	18019	4.63	ug/L	92
10) 1,1-Dichloroethene	7.12	61	36101	4.84	ug/L	98
11) Freon 113	7.01	101	25771	5.71	ug/L	95
12) Acetone	7.17	43	41431	22.55	ug/L	96
13) Iodomethane	7.43	142	40184	4.91	ug/L	99
14) Methyl acetate	7.51	43	73699	20.61	ug/L	98
15) Carbon Disulfide	7.55	76	72047	5.06	ug/L	92
16) Methylene Chloride	7.81	49	32591	4.05	ug/L	91
17) Tert Butyl Alcohol	7.71	59	20325	44.20	ug/L	94
18) trans-1,2-Dichloroethene	8.05	61	34084	5.04	ug/L	95
19) Acrylonitrile	8.11	53	28805	24.45	ug/L	96
20) Methyl Tert Butyl Ether	7.94	73	75043	4.67	ug/L	95
21) Hexane	8.23	57	19916	5.48	ug/L	88
22) 1,1-Dichloroethane	8.61	63	44913	5.20	ug/L	100
23) Vinyl acetate	8.45	43	37606	23.44	ug/L	90
24) Di-isopropyl ether	8.45	45	82350	4.86	ug/L	100
25) Ethyl tert-butyl ether	8.89	59	81971	4.93	ug/L	97
26) 2,2-Dichloropropane	9.30	77	39547	5.28	ug/L	94
27) cis-1,2-Dichloroethene	9.32	96	29452	4.93	ug/L	94
28) 2-Butanone	9.20	43	149763	26.69	ug/L	100
29) Bromochloromethane	9.64	128	14392	5.02	ug/L	92
30) Chloroform	9.66	83	57840	4.94	ug/L	98
31) Tetrahydrofuran	9.20	42	8848	3.10	ug/L	87
32) 1,1,1-Trichloroethane	9.91	97	50661	5.00	ug/L	95
34) Cyclohexane	9.93	56	29168	5.09	ug/L	94
35) n-Butyl Alcohol	9.92	43	3818	71.44	ug/L #	18
36) 1,1-Dichloropropene	10.09	75	37240	5.13	ug/L	99

(#) = qualifier out of range (m) = manual integration
F019684.D VF3547.M Tue Sep 15 09:55:44 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019684.D Vial: 4
Acq On : 14 Sep 2009 1:31 pm Operator: AnjanaP
Sample : ic3547-5 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:11:34 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:11:23 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37)	Carbon Tetrachloride	10.09	117	44794	5.11	ug/L		96
39)	Benzene	10.37	78	86060	5.14	ug/L		97
40)	1,2-Dichloroethane	10.43	62	52070	5.10	ug/L		96
41)	tert-amyl methyl ether	10.31	73	76052	4.78	ug/L		95
42)	Trichloroethene	11.12	95	33956	3.99	ug/L		97
43)	Methylcyclohexane	11.31	83	29121	5.57	ug/L		98
44)	1,2-Dichloropropane	11.48	63	20582	5.00	ug/L		92
45)	Dibromomethane	11.65	93	21073	5.27	ug/L		94
46)	1,4-Dioxane	11.54	88	3921	98.57	ug/L		88
47)	Bromodichloromethane	11.77	83	50417	5.02	ug/L		89
48)	2-Nitropropane	12.10	41	52088	23.41	ug/L		91
49)	2-Chloroethyl vinyl ether	12.02	63	47068	22.63	ug/L		99
50)	1-Bromo-2-Chloroethane	12.25	63	29153	4.76	uL/L		98
51)	4-Methyl-2-pentanone	12.38	43	97447	23.32	ug/L		98
52)	cis-1,3-Dichloropropene	12.30	75	44008	4.82	ug/L		97
55)	Toluene	12.72	91	100714	5.03	ug/L		98
56)	trans-1,3-Dichloropropene	13.02	75	42958	4.94	ug/L		97
57)	1,1,2-Trichloroethane	13.30	83	18471	4.93	ug/L		96
58)	Tetrachloroethene	13.44	166	32598	5.16	ug/L		98
59)	2-hexanone	13.46	43	67208	22.86	ug/L		99
60)	1,3-Dichloropropane	13.54	76	41077	4.86	ug/L		91
61)	Dibromochloromethane	13.87	129	32217	5.02	ug/L		91
62)	1,2-Dibromoethane	14.10	107	25682	4.93	ug/L		89
63)	1-Chlorohexane	14.43	91	33997	4.84	ug/L		93
64)	Chlorobenzene	14.69	112	65799	4.91	ug/L		96
65)	1,1,1,2-Tetrachloroethane	14.76	131	29707	5.07	ug/L		95
66)	Ethylbenzene	14.69	91	125709	4.86	ug/L		97
67)	m,p-Xylene	14.84	91	195713	9.97	ug/L		99
68)	o-Xylene	15.42	91	100092	4.90	ug/L		98
69)	Styrene	15.45	104	69831	5.03	ug/L		96
70)	Bromoform	15.86	173	21839	4.65	ug/L		97
72)	Isopropylbenzene	15.86	105	95203	5.11	ug/L		100
73)	Cyclohexanone	16.19	55	4002	25.78	ug/L	#	77
75)	Bromobenzene	16.47	156	33679	4.96	ug/L		94
76)	1,1,2,2-Tetrachloroethane	16.34	83	24048	4.54	ug/L		93
77)	Trans-1,4-Dichloro-2-Buten	16.41	53	8874	4.54	ug/L	#	90
78)	1,2,3-Trichloropropane	16.46	110	9378	4.63	ug/L		95
79)	n-Propylbenzene	16.40	91	129915	4.98	ug/L		98
80)	2-Chlorotoluene	16.65	91	98471	4.97	ug/L		97
81)	4-Chlorotoluene	16.79	91	87814	4.72	ug/L		99
82)	1,3,5-Trimethylbenzene	16.59	105	86438	5.04	ug/L		95
83)	sec-Butylbenzene	17.39	105	93386	4.84	ug/L		98
84)	1,3-Dichlorobenzene	17.74	146	53052	4.97	ug/L		98
85)	4-Isopropyltoluene	17.55	119	76756	4.95	ug/L		95
86)	1,4-Dichlorobenzene	17.86	146	55913	5.15	ug/L		84
87)	tert-Butylbenzene	17.39	91	18988	5.26	ug/L		93
88)	n-Butylbenzene	18.15	91	72211	4.62	ug/L		99
89)	1,2-Dichlorobenzene	18.45	146	48843	4.76	ug/L		94
90)	1,2,4-Trimethylbenzene	17.16	105	93031	5.08	ug/L		93

(#) = qualifier out of range (m) = manual integration
F019684.D VF3547.M Tue Sep 15 09:55:44 2009

ACCUTEST Laboratories T39513

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019684.D Vial: 4
Acq On : 14 Sep 2009 1:31 pm Operator: AnjanaP
Sample : ic3547-5 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:11:34 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:11:23 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

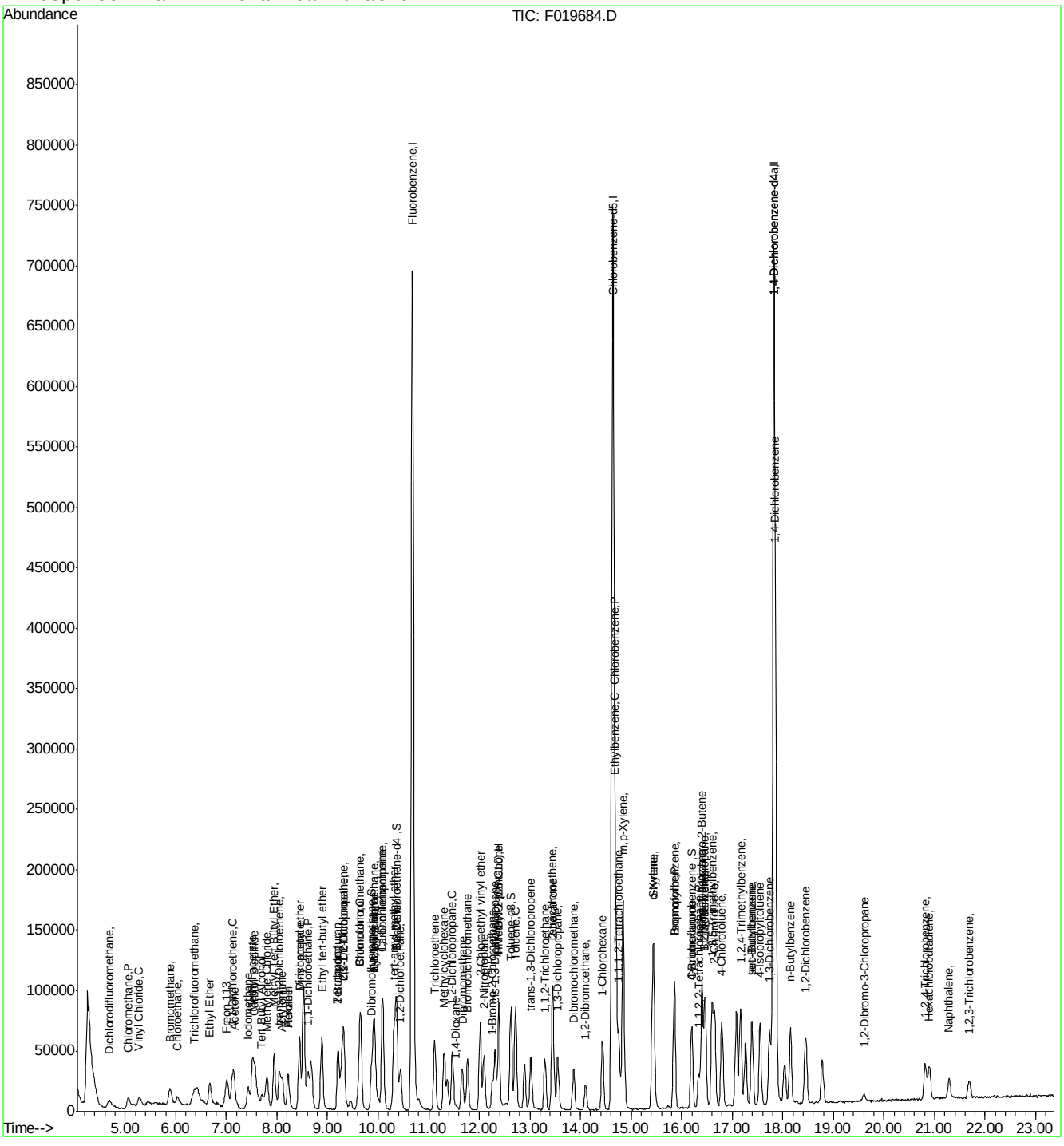
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91) 1,2-Dibromo-3-Chloropropan	19.60	75	4739	3.99	ug/L	83
92) 1,2,4-Trichlorobenzene	20.82	180	22735	3.87	ug/L	98
93) Hexachlorobutadiene	20.90	225	12032	3.63	ug/L	93
94) Naphthalene	21.29	128	30446	3.32	ug/L	93
95) 1,2,3-Trichlorobenzene	21.69	180	13294	3.33	ug/L	93
97) TPH-GRO (C6-C10)	12.39	TIC	9738984m	375.64	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed
F019684.D VF3547.M Tue Sep 15 09:55:44 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019684.D Vial: 4
Acq On : 14 Sep 2009 1:31 pm Operator: AnjanaP
Sample : ic3547-5 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:11 2009 Quant Results File: VF3547.RES

Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Tue Sep 15 08:59:11 2009
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Laidlaw
09/15/09 17:42

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019685.D Vial: 5
Acq On : 14 Sep 2009 2:01 pm Operator: AnjanaP
Sample : ic3547-20 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:12:06 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:11:50 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.67	96	982414	50.00	ug/L	0.00
53) Chlorobenzene-d5	14.64	117	707294	50.00	ug/L	0.00
71) 1,4-Dichlorobenzene-d4	17.82	152	401382	50.00	ug/L	0.00
96) 1,4-Dichlorobenzene-d4a	17.82	152	401382	50.00	ug/kg	0.00

System Monitoring Compounds

33) Dibromofluoromethane	9.86	113	106812	17.51	ug/L	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 35.02%#			
38) 1,2-Dichloroethane-d4	10.35	65	148375	16.72	ug/L	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 33.44%#			
54) Toluene-d8	12.63	98	289415	16.38	ug/L	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 32.76%#			
74) 4-Bromofluorobenzene	16.20	95	130166	15.35	ug/L	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 30.70%#			

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	4.68	85	100390	16.89	ug/L	96
3) Chloromethane	5.06	50	71796	12.53	ug/L	94
4) Vinyl Chloride	5.28	62	66013	12.48	ug/L	95
5) Bromomethane	5.88	94	63479	15.23	ug/L	93
6) Chloroethane	6.03	64	46084	17.07	ug/L	96
7) Trichlorofluoromethane	6.36	101	157594	17.84	ug/L	96
8) Acrolein	8.22	56	38236	87.74	ug/L	88
9) Ethyl Ether	6.67	59	63043	16.94	ug/L	99
10) 1,1-Dichloroethene	7.12	61	123920	17.18	ug/L	98
11) Freon 113	7.01	101	85797	19.61	ug/L	95
12) Acetone	7.16	43	122068	84.09	ug/L	96
13) Iodomethane	7.43	142	145509	18.34	ug/L	100
14) Methyl acetate	7.51	43	244928	73.55	ug/L	97
15) Carbon Disulfide	7.55	76	245809	17.66	ug/L	96
16) Methylene Chloride	7.80	49	107994	14.45	ug/L	97
17) Tert Butyl Alcohol	7.71	59	72450	166.59	ug/L	97
18) trans-1,2-Dichloroethene	8.04	61	120197	18.20	ug/L	97
19) Acrylonitrile	8.10	53	102041	89.42	ug/L	96
20) Methyl Tert Butyl Ether	7.94	73	263723	17.14	ug/L	96
21) Hexane	8.22	57	64717	17.85	ug/L	97
22) 1,1-Dichloroethane	8.61	63	146591	17.25	ug/L	99
23) Vinyl acetate	8.45	43	121689	79.10	ug/L	99
24) Di-isopropyl ether	8.45	45	279196	17.04	ug/L	98
25) Ethyl tert-butyl ether	8.89	59	287162	17.81	ug/L	99
26) 2,2-Dichloropropane	9.30	77	129113	17.46	ug/L	98
27) cis-1,2-Dichloroethene	9.32	96	104986	18.10	ug/L	94
28) 2-Butanone	9.20	43	502313	90.37	ug/L	100
29) Bromochloromethane	9.64	128	53369	19.08	ug/L	96
30) Chloroform	9.65	83	202549	17.81	ug/L	99
31) Tetrahydrofuran	9.20	42	49178	17.74	ug/L	95
32) 1,1,1-Trichloroethane	9.91	97	177308	17.97	ug/L	98
34) Cyclohexane	9.92	56	102404	18.27	ug/L	96
35) n-Butyl Alcohol	9.93	43	7905	159.60	ug/L	95
36) 1,1-Dichloropropene	10.08	75	131509	18.47	ug/L	94

(#) = qualifier out of range (m) = manual integration
F019685.D VF3547.M Tue Sep 15 09:55:47 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019685.D Vial: 5
Acq On : 14 Sep 2009 2:01 pm Operator: AnjanaP
Sample : ic3547-20 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:12:06 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:11:50 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37) Carbon Tetrachloride	10.09	117	153956	17.92	ug/L		98
39) Benzene	10.36	78	296632	18.07	ug/L		93
40) 1,2-Dichloroethane	10.43	62	174702	17.47	ug/L		100
41) tert-amyl methyl ether	10.31	73	264248	17.24	ug/L		100
42) Trichloroethene	11.11	95	103308	13.13	ug/L		96
43) Methylcyclohexane	11.31	83	95146	18.17	ug/L		99
44) 1,2-Dichloropropane	11.47	63	70640	17.62	ug/L		97
45) Dibromomethane	11.65	93	70784	17.93	ug/L		97
46) 1,4-Dioxane	11.55	88	14565	345.03	ug/L		95
47) Bromodichloromethane	11.76	83	168761	17.22	ug/L		98
48) 2-Nitropropane	12.09	41	187274	87.81	ug/L		98
49) 2-Chloroethyl vinyl ether	12.01	63	178146	90.07	ug/L		98
50) 1-Bromo-2-Chloroethane	12.25	63	101118	17.15	uL/L		97
51) 4-Methyl-2-pentanone	12.38	43	328138	81.99	ug/L		97
52) cis-1,3-Dichloropropene	12.31	75	155974	17.69	ug/L		97
55) Toluene	12.72	91	337327	17.36	ug/L		99
56) trans-1,3-Dichloropropene	13.01	75	148986	17.73	ug/L		99
57) 1,1,2-Trichloroethane	13.30	83	62592	17.30	ug/L		97
58) Tetrachloroethene	13.44	166	109099	17.68	ug/L		97
59) 2-hexanone	13.45	43	236631	84.85	ug/L		98
60) 1,3-Dichloropropane	13.54	76	143044	17.57	ug/L		96
61) Dibromochloromethane	13.87	129	111979	17.97	ug/L		100
62) 1,2-Dibromoethane	14.10	107	90639	18.02	ug/L		97
63) 1-Chlorohexane	14.43	91	115505	17.09	ug/L		92
64) Chlorobenzene	14.68	112	224020	17.33	ug/L		98
65) 1,1,1,2-Tetrachloroethane	14.75	131	97467	17.10	ug/L		98
66) Ethylbenzene	14.69	91	411556	16.54	ug/L		99
67) m,p-Xylene	14.84	91	650473	34.21	ug/L		99
68) o-Xylene	15.42	91	334597	16.97	ug/L		97
69) Styrene	15.45	104	240347	17.83	ug/L		95
70) Bromoform	15.85	173	79979	17.89	ug/L		96
72) Isopropylbenzene	15.86	105	319385	17.45	ug/L		99
73) Cyclohexanone	16.19	55	12353	83.58	ug/L		93
75) Bromobenzene	16.47	156	116972	17.67	ug/L		97
76) 1,1,2,2-Tetrachloroethane	16.33	83	84699	16.74	ug/L		99
77) Trans-1,4-Dichloro-2-Buten	16.41	53	33357	17.87	ug/L	#	98
78) 1,2,3-Trichloropropane	16.47	110	33963	17.47	ug/L		89
79) n-Propylbenzene	16.40	91	435765	17.11	ug/L		97
80) 2-Chlorotoluene	16.65	91	320598	16.57	ug/L		99
81) 4-Chlorotoluene	16.79	91	299961	16.74	ug/L		94
82) 1,3,5-Trimethylbenzene	16.59	105	292120	17.40	ug/L		95
83) sec-Butylbenzene	17.39	105	314828	16.84	ug/L		99
84) 1,3-Dichlorobenzene	17.74	146	179536	17.25	ug/L		99
85) 4-Isopropyltoluene	17.55	119	263530	17.43	ug/L		99
86) 1,4-Dichlorobenzene	17.86	146	189030	17.68	ug/L		97
87) tert-Butylbenzene	17.39	91	58310	17.97	ug/L		99
88) n-Butylbenzene	18.15	91	246188	16.42	ug/L		99
89) 1,2-Dichlorobenzene	18.44	146	166804	16.85	ug/L		97
90) 1,2,4-Trimethylbenzene	17.16	105	311686	17.34	ug/L		98

(#) = qualifier out of range (m) = manual integration
F019685.D VF3547.M Tue Sep 15 09:55:47 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019685.D Vial: 5
Acq On : 14 Sep 2009 2:01 pm Operator: AnjanaP
Sample : ic3547-20 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:12:06 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:11:50 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

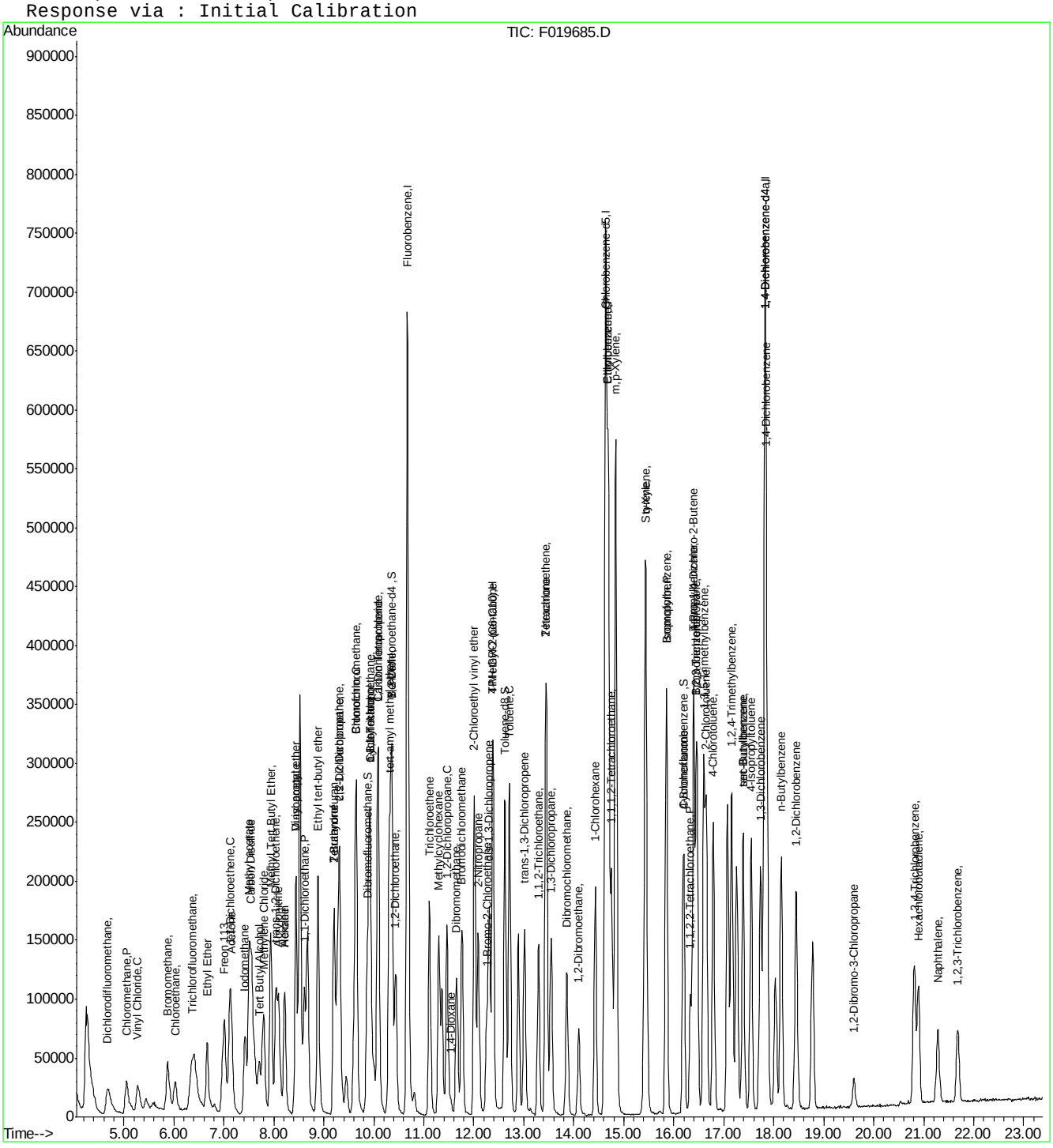
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	1,2-Dibromo-3-Chloropropan	19.60	75	15869	14.40	ug/L	96
92)	1,2,4-Trichlorobenzene	20.81	180	86947	16.04	ug/L	98
93)	Hexachlorobutadiene	20.89	225	42424	14.07	ug/L	93
94)	Naphthalene	21.28	128	121677	14.82	ug/L	99
95)	1,2,3-Trichlorobenzene	21.68	180	48275	13.52	ug/L	98
97)	TPH-GRO (C6-C10)	12.39	TIC	34546709m	1035.15	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed
F019685.D VF3547.M Tue Sep 15 09:55:48 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019685.D Vial: 5
Acq On : 14 Sep 2009 2:01 pm Operator: AnjanaP
Sample : ic3547-20 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:12 2009 Quant Results File: VF3547.RES

Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Tue Sep 15 08:59:11 2009
Response via : Initial Calibration



ACCUTEST Laboratories T39513

Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Laidlaw
09/15/09 17:42

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019686.D Vial: 6
Acq On : 14 Sep 2009 2:31 pm Operator: AnjanaP
Sample : icc3547-40 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 15 09:01:13 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Tue Sep 15 08:59:11 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.67	96	954577	50.00	ug/L	0.00
53) Chlorobenzene-d5	14.64	117	701182	50.00	ug/L	0.00
71) 1,4-Dichlorobenzene-d4	17.83	152	427426	50.00	ug/L	0.00
96) 1,4-Dichlorobenzene-d4a	17.83	152	427426	50.00	ug/kg	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	9.87	113	238951	42.22	ug/L	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 84.44%			
38) 1,2-Dichloroethane-d4	10.34	65	335120	42.13	ug/L	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 84.26%			
54) Toluene-d8	12.62	98	639112	38.02	ug/L	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 76.04%#			
74) 4-Bromofluorobenzene	16.19	95	316247	39.25	ug/L	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 78.50%#			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.67	85	266054	49.63	ug/L	100
3) Chloromethane	5.06	50	264669	55.33	ug/L	100
4) Vinyl Chloride	5.29	62	214010	53.60	ug/L	100
5) Bromomethane	5.87	94	144081	47.44	ug/L	100
6) Chloroethane	6.02	64	105128	41.24	ug/L	100
7) Trichlorofluoromethane	6.37	101	343377	41.45	ug/L	100
8) Acrolein	8.21	56	77736	187.87	ug/L	100
9) Ethyl Ether	6.67	59	140119	40.75	ug/L	100
10) 1,1-Dichloroethene	7.12	61	270698	40.47	ug/L	100
11) Freon 113	7.01	101	168400	39.16	ug/L	100
12) Acetone	7.15	43	270151	217.67	ug/L	100
13) Iodomethane	7.43	142	326886	44.08	ug/L	100
14) Methyl acetate	7.51	43	550559	200.22	ug/L	100
15) Carbon Disulfide	7.55	76	527377	40.02	ug/L	100
16) Methylene Chloride	7.79	49	234689	41.84	ug/L	100
17) Tert Butyl Alcohol	7.70	59	165114	414.56	ug/L	100
18) trans-1,2-Dichloroethene	8.05	61	259932	41.69	ug/L	100
19) Acrylonitrile	8.11	53	209357	187.55	ug/L	100
20) Methyl Tert Butyl Ether	7.94	73	589203	41.71	ug/L	100
21) Hexane	8.21	57	125799	36.52	ug/L	100
22) 1,1-Dichloroethane	8.61	63	331206	42.05	ug/L	100
23) Vinyl acetate	8.44	43	288967	207.54	ug/L	100
24) Di-isopropyl ether	8.44	45	625383	40.58	ug/L	100
25) Ethyl tert-butyl ether	8.88	59	647936	42.79	ug/L	100
26) 2,2-Dichloropropane	9.30	77	269268	41.41	ug/L	100
27) cis-1,2-Dichloroethene	9.32	96	225201	41.55	ug/L	100
28) 2-Butanone	9.21	43	1126152	211.05	ug/L	100
29) Bromochloromethane	9.64	128	117515	43.80	ug/L	100
30) Chloroform	9.65	83	450607	43.16	ug/L	100
31) Tetrahydrofuran	9.21	42	110558	47.27	ug/L	100
32) 1,1,1-Trichloroethane	9.91	97	382857	42.54	ug/L	100
34) Cyclohexane	9.93	56	207457	38.31	ug/L	100
35) n-Butyl Alcohol	9.93	43	17974	362.44	ug/L	100
36) 1,1-Dichloropropene	10.08	75	274753	40.98	ug/L	100

(#) = qualifier out of range (m) = manual integration
F019686.D VF3547.M Tue Sep 15 09:55:50 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019686.D Vial: 6
Acq On : 14 Sep 2009 2:31 pm Operator: AnjanaP
Sample : icc3547-40 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 15 09:01:13 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Tue Sep 15 08:59:11 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37)	Carbon Tetrachloride	10.08	117	328366	41.87	ug/L		100
39)	Benzene	10.36	78	627345	40.05	ug/L		100
40)	1,2-Dichloroethane	10.44	62	387366	42.62	ug/L		100
41)	tert-amyl methyl ether	10.31	73	579503	40.63	ug/L		100
42)	Trichloroethene	11.12	95	220655	41.78	ug/L		100
43)	Methylcyclohexane	11.30	83	192623	38.17	ug/L		100
44)	1,2-Dichloropropane	11.46	63	154466	40.07	ug/L		100
45)	Dibromomethane	11.66	93	157548	42.45	ug/L		100
46)	1,4-Dioxane	11.54	88	33481	865.16	ug/L		100
47)	Bromodichloromethane	11.77	83	378507	42.01	ug/L		100
48)	2-Nitropropane	12.09	41	394910	207.67	ug/L		100
49)	2-Chloroethyl vinyl ether	12.01	63	418987	211.18	ug/L		100
50)	1-Bromo-2-Chloroethane	12.26	63	224066	39.80	uL/L		100
51)	4-Methyl-2-pentanone	12.39	43	734477	197.20	ug/L		100
52)	cis-1,3-Dichloropropene	12.31	75	350871	41.68	ug/L		100
55)	Toluene	12.71	91	733307	38.99	ug/L		100
56)	trans-1,3-Dichloropropene	13.02	75	337363	41.35	ug/L		100
57)	1,1,2-Trichloroethane	13.29	83	138375	39.30	ug/L		100
58)	Tetrachloroethene	13.44	166	226077	38.24	ug/L		100
59)	2-hexanone	13.45	43	538811	199.75	ug/L		100
60)	1,3-Dichloropropane	13.55	76	310231	39.19	ug/L		100
61)	Dibromochloromethane	13.86	129	255260	42.06	ug/L		100
62)	1,2-Dibromoethane	14.10	107	198888	40.22	ug/L		100
63)	1-Chlorohexane	14.43	91	261886	39.72	ug/L		100
64)	Chlorobenzene	14.68	112	499033	39.99	ug/L		100
65)	1,1,1,2-Tetrachloroethane	14.76	131	224581	41.62	ug/L		100
66)	Ethylbenzene	14.70	91	939005	40.10	ug/L		100
67)	m,p-Xylene	14.84	91	1470428	81.60	ug/L		100
68)	o-Xylene	15.43	91	770587	41.11	ug/L		100
69)	Styrene	15.45	104	552734	41.46	ug/L		100
70)	Bromoform	15.85	173	184700	42.77	ug/L		100
72)	Isopropylbenzene	15.85	105	739251	38.20	ug/L		100
73)	Cyclohexanone	16.18	55	31173	191.85	ug/L		100
75)	Bromobenzene	16.46	156	267664	38.69	ug/L		100
76)	1,1,2,2-Tetrachloroethane	16.33	83	203689	38.51	ug/L		100
77)	Trans-1,4-Dichloro-2-Buten	16.40	53	82619	42.19	ug/L	#	100
78)	1,2,3-Trichloropropane	16.46	110	78380	38.87	ug/L		100
79)	n-Propylbenzene	16.40	91	1023147	38.57	ug/L		100
80)	2-Chlorotoluene	16.65	91	754964	38.29	ug/L		100
81)	4-Chlorotoluene	16.79	91	710555	38.58	ug/L		100
82)	1,3,5-Trimethylbenzene	16.60	105	683562	38.94	ug/L		100
83)	sec-Butylbenzene	17.39	105	743028	38.38	ug/L		100
84)	1,3-Dichlorobenzene	17.74	146	426987	39.52	ug/L		100
85)	4-Isopropyltoluene	17.55	119	606270	38.52	ug/L		100
86)	1,4-Dichlorobenzene	17.87	146	450731	40.49	ug/L		100
87)	tert-Butylbenzene	17.39	91	135012	40.48	ug/L		100
88)	n-Butylbenzene	18.15	91	617060	40.50	ug/L		100
89)	1,2-Dichlorobenzene	18.45	146	422157	41.63	ug/L		100
90)	1,2,4-Trimethylbenzene	17.16	105	735859	39.22	ug/L		100

(#) = qualifier out of range (m) = manual integration
F019686.D VF3547.M Tue Sep 15 09:55:50 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019686.D Vial: 6
Acq On : 14 Sep 2009 2:31 pm Operator: AnjanaP
Sample : icc3547-40 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 15 09:01:13 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Tue Sep 15 08:59:11 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

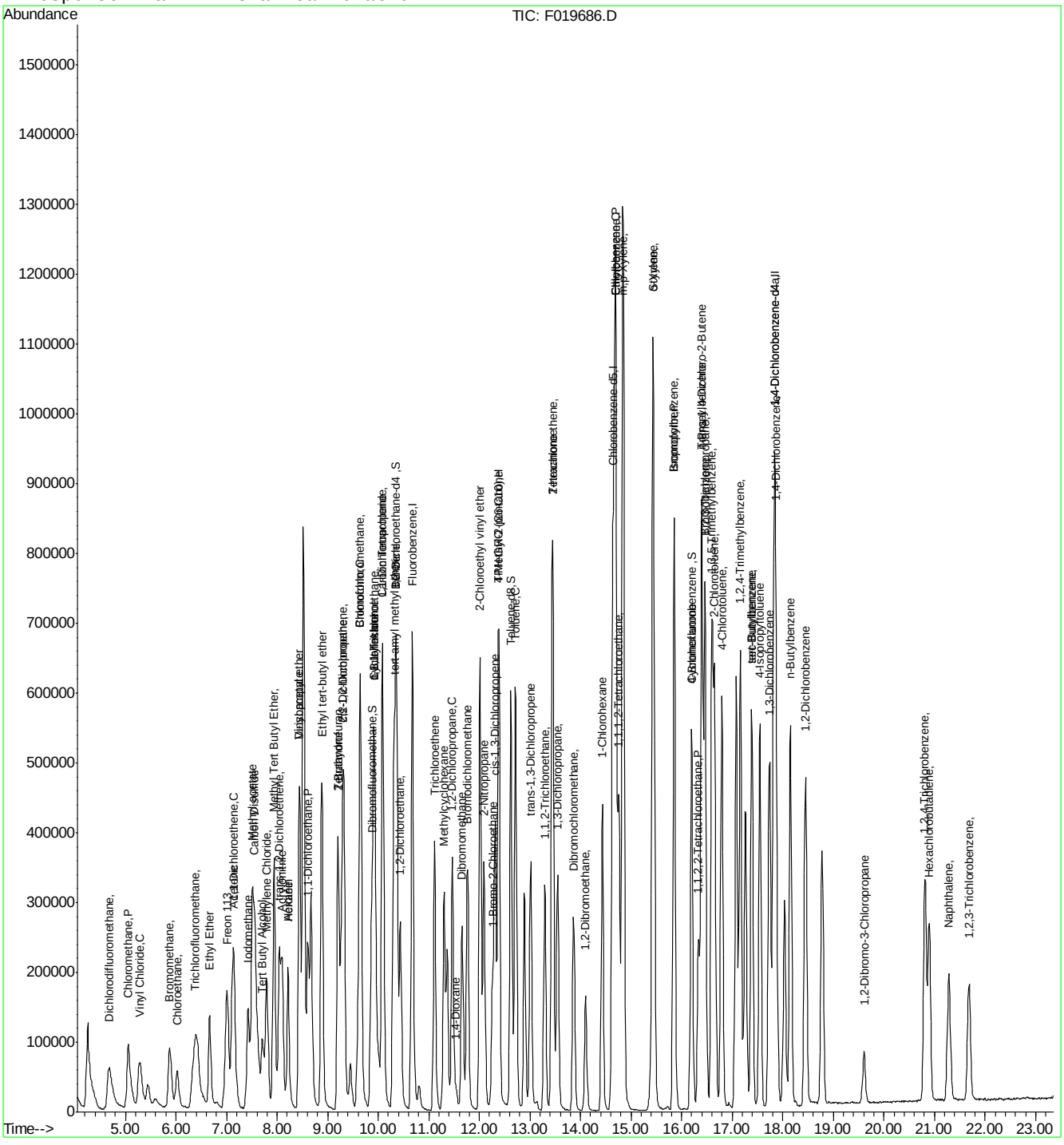
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	1,2-Dibromo-3-Chloropropan	19.60	75	43953	50.61	ug/L	100
92)	1,2,4-Trichlorobenzene	20.82	180	248461	49.42	ug/L	100
93)	Hexachlorobutadiene	20.90	225	111950	49.69	ug/L	100
94)	Naphthalene	21.28	128	367955	50.16	ug/L	100
95)	1,2,3-Trichlorobenzene	21.69	180	137998	50.22	ug/L	100
97)	TPH-GRO (C6-C10)	12.39	TIC	76500698m	1791.76	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019686.D Vial: 6
Acq On : 14 Sep 2009 2:31 pm Operator: AnjanaP
Sample : icc3547-40 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 15 9:01 2009 Quant Results File: VF3547.RES

Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Tue Sep 15 08:59:11 2009
Response via : Initial Calibration



ACCUTEST Laboratories T39513

Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Laidlaw
09/15/09 17:42

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019687.D Vial: 7
Acq On : 14 Sep 2009 3:01 pm Operator: AnjanaP
Sample : ic3547-100 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:12:57 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:12:51 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.67	96	1439708	50.00	ug/L	0.00
53) Chlorobenzene-d5	14.64	117	1021100	50.00	ug/L	0.00
71) 1,4-Dichlorobenzene-d4	17.83	152	540849	50.00	ug/L	0.00
96) 1,4-Dichlorobenzene-d4a	17.83	152	540849	50.00	ug/kg	0.00

System Monitoring Compounds

33) Dibromofluoromethane	9.87	113	807310	92.60	ug/L	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 185.20%#			
38) 1,2-Dichloroethane-d4	10.34	65	1063847	84.60	ug/L	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 169.20%#			
54) Toluene-d8	12.62	98	2357599	95.89	ug/L	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 191.78%#			
74) 4-Bromofluorobenzene	16.19	95	1035681	95.08	ug/L	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 190.16%#			

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	4.68	85	713289	84.53	ug/L	99
3) Chloromethane	5.07	50	676020	87.04	ug/L	99
4) Vinyl Chloride	5.28	62	559205	73.01	ug/L	98
5) Bromomethane	5.87	94	428867	73.74	ug/L	98
6) Chloroethane	6.02	64	358141	92.25	ug/L	99
7) Trichlorofluoromethane	6.37	101	1111860	87.27	ug/L	100
8) Acrolein	8.21	56	316751	508.45	ug/L	96
9) Ethyl Ether	6.66	59	485395	91.81	ug/L	97
10) 1,1-Dichloroethene	7.12	61	943733	91.89	ug/L	99
11) Freon 113	7.01	101	591511	93.75	ug/L	96
12) Acetone	7.15	43	916749	469.37	ug/L	93
13) Iodomethane	7.43	142	1065520	93.20	ug/L	95
14) Methyl acetate	7.51	43	2089611	452.08	ug/L	99
15) Carbon Disulfide	7.55	76	1936962	97.23	ug/L	98
16) Methylene Chloride	7.79	49	837904	81.02	ug/L	97
17) Tert Butyl Alcohol	7.71	59	567512	921.23	ug/L	63
18) trans-1,2-Dichloroethene	8.05	61	910208	95.77	ug/L	97
19) Acrylonitrile	8.10	53	891951	544.90	ug/L	96
20) Methyl Tert Butyl Ether	7.94	73	1987039	90.71	ug/L	98
21) Hexane	8.21	57	518176	99.67	ug/L	92
22) 1,1-Dichloroethane	8.61	63	1116164	92.16	ug/L	97
23) Vinyl acetate	8.44	43	997670	461.82	ug/L	98
24) Di-isopropyl ether	8.44	45	2301021	98.74	ug/L	96
25) Ethyl tert-butyl ether	8.88	59	2225120	96.26	ug/L	99
26) 2,2-Dichloropropane	9.30	77	825455	78.15	ug/L	98
27) cis-1,2-Dichloroethene	9.32	96	765941	91.84	ug/L	98
28) 2-Butanone	9.20	43	4120207	515.98	ug/L	100
29) Bromochloromethane	9.64	128	402863	99.20	ug/L	95
30) Chloroform	9.65	83	1462582	89.73	ug/L	99
31) Tetrahydrofuran	9.21	42	346654	84.06	ug/L	99
32) 1,1,1-Trichloroethane	9.91	97	1231951	86.95	ug/L	100
34) Cyclohexane	9.93	56	848602	105.12	ug/L	91
35) n-Butyl Alcohol	9.93	43	79420	1236.15	ug/L #	85
36) 1,1-Dichloropropene	10.08	75	986569	96.04	ug/L	93

(#) = qualifier out of range (m) = manual integration
F019687.D VF3547.M Tue Sep 15 09:55:53 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019687.D Vial: 7
Acq On : 14 Sep 2009 3:01 pm Operator: AnjanaP
Sample : ic3547-100 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:12:57 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:12:51 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37)	Carbon Tetrachloride	10.08	117	1071023	86.87	ug/L		98
39)	Benzene	10.36	78	2409380	102.15	ug/L		94
40)	1,2-Dichloroethane	10.44	62	1253971	87.79	ug/L		98
41)	tert-amyl methyl ether	10.31	73	2101536	96.23	ug/L		96
42)	Trichloroethene	11.12	95	785129	73.10	ug/L		97
43)	Methylcyclohexane	11.30	83	795530	105.60	ug/L		98
44)	1,2-Dichloropropane	11.46	63	599569	104.52	ug/L		88
45)	Dibromomethane	11.66	93	549422	96.98	ug/L		99
46)	1,4-Dioxane	11.55	88	131960	2102.77	ug/L		94
47)	Bromodichloromethane	11.77	83	1289830	92.39	ug/L		99
48)	2-Nitropropane	12.09	41	1247322	409.05	ug/L		97
49)	2-Chloroethyl vinyl ether	12.01	63	1693674	596.19	ug/L		97
50)	1-Bromo-2-Chloroethane	12.26	63	881945	105.06	uL/L		99
51)	4-Methyl-2-pentanone	12.39	43	2808613	496.74	ug/L		97
52)	cis-1,3-Dichloropropene	12.31	75	1308043	103.62	ug/L		92
55)	Toluene	12.72	91	2741568	100.37	ug/L		100
56)	trans-1,3-Dichloropropene	13.02	75	1201341	101.31	ug/L		96
57)	1,1,2-Trichloroethane	13.29	83	524828	103.29	ug/L		95
58)	Tetrachloroethene	13.44	166	837164	96.21	ug/L		99
59)	2-hexanone	13.46	43	2024231	518.47	ug/L		95
60)	1,3-Dichloropropane	13.55	76	1176042	102.56	ug/L		92
61)	Dibromochloromethane	13.86	129	889491	100.93	ug/L		100
62)	1,2-Dibromoethane	14.10	107	739771	103.91	ug/L		98
63)	1-Chlorohexane	14.43	91	999319	105.49	ug/L		92
64)	Chlorobenzene	14.68	112	1823936	100.40	ug/L		94
65)	1,1,1,2-Tetrachloroethane	14.76	131	756339	94.65	ug/L		97
66)	Ethylbenzene	14.70	91	3287572	94.78	ug/L		98
67)	m,p-Xylene	14.85	91	5105857	191.53	ug/L		96
68)	o-Xylene	15.43	91	2681391	97.16	ug/L		97
69)	Styrene	15.45	104	2052872	107.85	ug/L		95
70)	Bromoform	15.85	173	622075	98.47	ug/L		97
72)	Isopropylbenzene	15.86	105	2602686	108.28	ug/L		98
73)	Cyclohexanone	16.18	55	108933	567.14	ug/L		92
75)	Bromobenzene	16.46	156	900545	103.35	ug/L		98
76)	1,1,2,2-Tetrachloroethane	16.33	83	707704	107.29	ug/L		99
77)	Trans-1,4-Dichloro-2-Buten	16.40	53	256272	104.12	ug/L	#	96
78)	1,2,3-Trichloropropane	16.46	110	259666	101.72	ug/L		90
79)	n-Propylbenzene	16.40	91	3495623	104.87	ug/L		100
80)	2-Chlorotoluene	16.65	91	2485836	98.74	ug/L		98
81)	4-Chlorotoluene	16.79	91	2358816	100.97	ug/L		96
82)	1,3,5-Trimethylbenzene	16.60	105	2301625	104.48	ug/L		100
83)	sec-Butylbenzene	17.40	105	2537476	104.04	ug/L		100
84)	1,3-Dichlorobenzene	17.74	146	1406651	103.12	ug/L		98
85)	4-Isopropyltoluene	17.55	119	2054969	103.55	ug/L		99
86)	1,4-Dichlorobenzene	17.87	146	1438104	102.21	ug/L		99
87)	tert-Butylbenzene	17.39	91	430884	103.50	ug/L		96
88)	n-Butylbenzene	18.15	91	1930950	99.13	ug/L		99
89)	1,2-Dichlorobenzene	18.46	146	1289612	99.82	ug/L		97
90)	1,2,4-Trimethylbenzene	17.17	105	2464214	104.50	ug/L		99

(#) = qualifier out of range (m) = manual integration
F019687.D VF3547.M Tue Sep 15 09:55:54 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019687.D Vial: 7
Acq On : 14 Sep 2009 3:01 pm Operator: AnjanaP
Sample : ic3547-100 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:12:57 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:12:51 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	1,2-Dibromo-3-Chloropropan	19.61	75	108606	77.50	ug/L	85
92)	1,2,4-Trichlorobenzene	20.82	180	634056	90.38	ug/L	98
93)	Hexachlorobutadiene	20.90	225	288330	75.43	ug/L	96
94)	Naphthalene	21.28	128	927652	88.41	ug/L	98
95)	1,2,3-Trichlorobenzene	21.69	180	343273	76.28	ug/L	98
97)	TPH-GRO (C6-C10)	12.39	TIC	262314999m	5167.96	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed
F019687.D VF3547.M Tue Sep 15 09:55:54 2009

Quantitation Report (QT Reviewed)

```
Data File : C:\MSDCHEM\2\DATA\VF3548\F019687.D          Vial: 7
Acq On    : 14 Sep 2009   3:01 pm                    Operator: AnjanaP
Sample    : ic3547-100                               Inst    : GC/MS F
Misc      : ms6979,vf3548,5,,,5,,water               Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:12 2009               Quant Results File: VF3547.RES

Method         : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title          : SW846 8260B and EPA 624
Last Update    : Tue Sep 15 08:59:11 2009
Response via   : Initial Calibration
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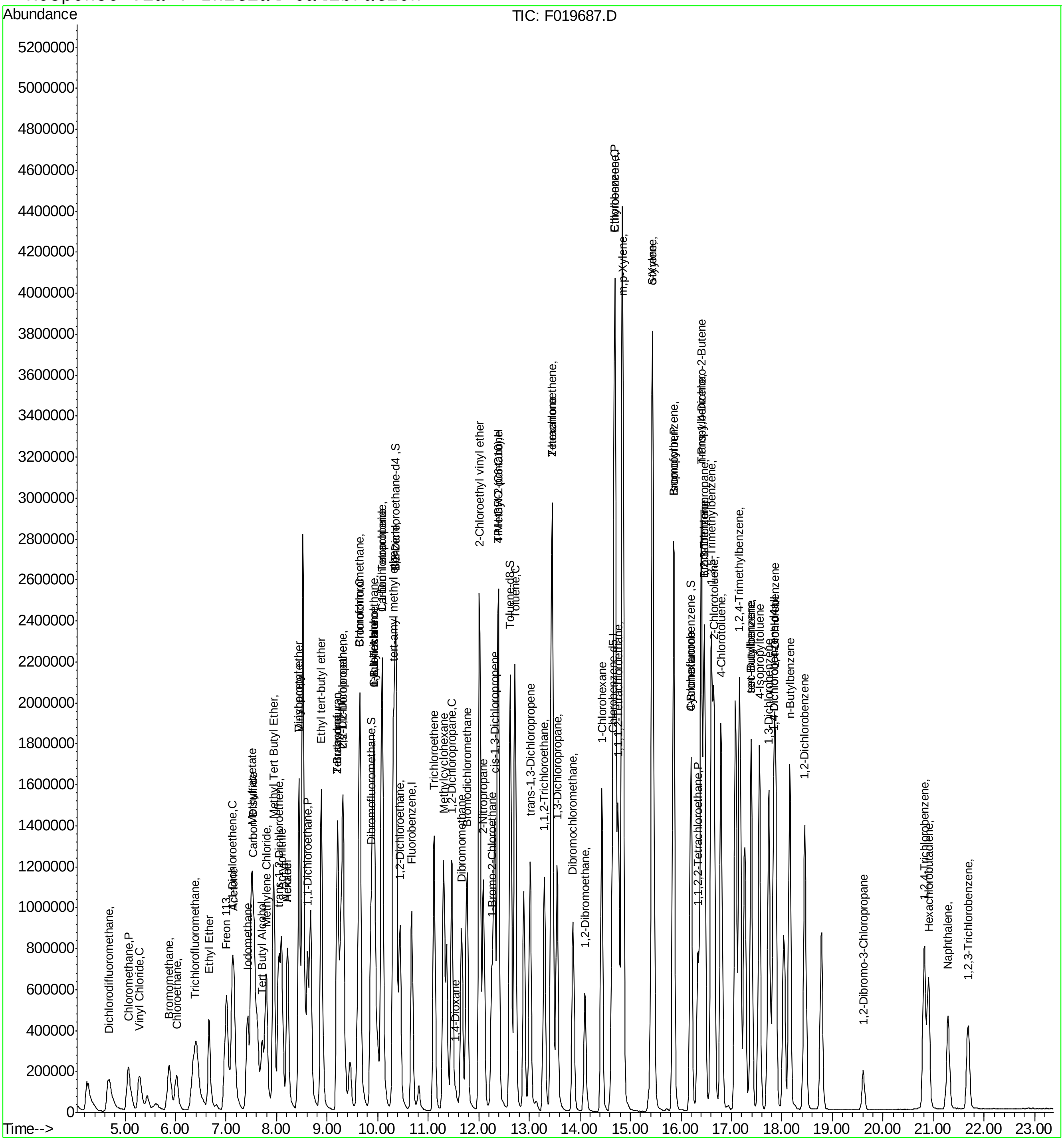


F019688.D

Manual Integrations APPROVED (compounds with "m" flag)

Jennifer Laidlaw 09/15/09 17:42

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019688.D Vial: 8
Acq On : 14 Sep 2009 3:31 pm Operator: AnjanaP
Sample : ic3547-200 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:13:53 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:13:36 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.67	96	1476971	50.00	ug/L	0.00
53) Chlorobenzene-d5	14.64	117	1025997	50.00	ug/L	0.00
71) 1,4-Dichlorobenzene-d4	17.83	152	548707	50.00	ug/L	0.00
96) 1,4-Dichlorobenzene-d4a	17.83	152	548707	50.00	ug/kg	0.00

System Monitoring Compounds						
33) Dibromofluoromethane	9.87	113	1659796	187.90	ug/L	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 375.80%#			
38) 1,2-Dichloroethane-d4	10.34	65	2146010	170.73	ug/L	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 341.46%#			
54) Toluene-d8	12.62	98	4995482	203.60	ug/L	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 407.20%#			
74) 4-Bromofluorobenzene	16.19	95	2098803	191.49	ug/L	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 382.98%#			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.68	85	1492242	176.93	ug/L	96
3) Chloromethane	5.07	50	1457668	186.98	ug/L	98
4) Vinyl Chloride	5.28	62	1220567	204.89	ug/L	96
5) Bromomethane	5.84	94	915186	160.41	ug/L	98
6) Chloroethane	6.01	64	793056	214.12	ug/L	99
7) Trichlorofluoromethane	6.35	101	2434945	211.03	ug/L	100
8) Acrolein	8.21	56	636030	992.40	ug/L	96
9) Ethyl Ether	6.66	59	1028447	192.23	ug/L	99
10) 1,1-Dichloroethene	7.12	61	2017355	194.10	ug/L	98
11) Freon 113	7.01	101	1303615	214.21	ug/L	94
12) Acetone	7.16	43	1840933	979.10	ug/L	92
13) Iodomethane	7.43	142	2147119	185.16	ug/L	94
14) Methyl acetate	7.51	43	4294360	920.34	ug/L	98
15) Carbon Disulfide	7.54	76	4135455	203.28	ug/L	97
16) Methylene Chloride	7.80	49	1712823	166.71	ug/L	99
17) Tert Butyl Alcohol	7.73	59	1143348	1833.21	ug/L	77
18) trans-1,2-Dichloroethene	8.05	61	1888547	195.08	ug/L	98
19) Acrylonitrile	8.11	53	1863395	1093.28	ug/L	96
20) Methyl Tert Butyl Ether	7.94	73	4050248	183.06	ug/L	97
21) Hexane	8.21	57	1065780	199.93	ug/L	89
22) 1,1-Dichloroethane	8.61	63	2348984	191.56	ug/L	96
23) Vinyl acetate	8.45	43	1952353	892.30	ug/L	97
24) Di-isopropyl ether	8.44	45	4754627	199.29	ug/L	94
25) Ethyl tert-butyl ether	8.88	59	4524258	191.99	ug/L	98
26) 2,2-Dichloropropane	9.30	77	1556808	149.10	ug/L	96
27) cis-1,2-Dichloroethene	9.33	96	1613625	191.19	ug/L	93
28) 2-Butanone	9.21	43	8380228	1017.58	ug/L	100
29) Bromochloromethane	9.64	128	819400	196.95	ug/L	96
30) Chloroform	9.65	83	2893627	176.06	ug/L	99
31) Tetrahydrofuran	9.21	42	701728	193.50	ug/L	97
32) 1,1,1-Trichloroethane	9.91	97	2429943	170.89	ug/L	99
34) Cyclohexane	9.94	56	1706287	204.29	ug/L	91
35) n-Butyl Alcohol	9.93	43	152172	1904.44	ug/L #	84
36) 1,1-Dichloropropene	10.08	75	1960437	187.26	ug/L	92

(#) = qualifier out of range (m) = manual integration
F019688.D VF3547.M Tue Sep 15 09:55:56 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019688.D Vial: 8
Acq On : 14 Sep 2009 3:31 pm Operator: AnjanaP
Sample : ic3547-200 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:13:53 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:13:36 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37)	Carbon Tetrachloride	10.08	117	2141524	173.11	ug/L		98
39)	Benzene	10.36	78	4786563	197.10	ug/L		95
40)	1,2-Dichloroethane	10.44	62	2460607	171.40	ug/L		97
41)	tert-amyl methyl ether	10.31	73	4180960	187.79	ug/L		97
42)	Trichloroethene	11.12	95	1598004	151.83	ug/L		98
43)	Methylcyclohexane	11.30	83	1569193	201.16	ug/L		99
44)	1,2-Dichloropropane	11.47	63	1234605	208.23	ug/L		86
45)	Dibromomethane	11.66	93	1100434	190.29	ug/L		98
46)	1,4-Dioxane	11.55	88	269055	3961.68	ug/L		92
47)	Bromodichloromethane	11.77	83	2550542	180.37	ug/L		100
48)	2-Nitropropane	12.10	41	2395577	789.74	ug/L		97
49)	2-Chloroethyl vinyl ether	12.01	63	3441389	1144.15	ug/L		98
50)	1-Bromo-2-Chloroethane	12.26	63	1773914	204.27	uL/L		99
51)	4-Methyl-2-pentanone	12.39	43	5575494	962.26	ug/L		96
52)	cis-1,3-Dichloropropene	12.32	75	2601305	199.67	ug/L		90
55)	Toluene	12.72	91	5568197	202.75	ug/L		99
56)	trans-1,3-Dichloropropene	13.02	75	2382181	199.49	ug/L		95
57)	1,1,2-Trichloroethane	13.30	83	1051897	204.91	ug/L		93
58)	Tetrachloroethene	13.44	166	1684894	193.94	ug/L		99
59)	2-hexanone	13.46	43	3946765	999.92	ug/L		94
60)	1,3-Dichloropropane	13.55	76	2330148	201.38	ug/L		92
61)	Dibromochloromethane	13.87	129	1789924	201.82	ug/L		99
62)	1,2-Dibromoethane	14.10	107	1490475	207.01	ug/L		98
63)	1-Chlorohexane	14.43	91	1980649	206.19	ug/L		93
64)	Chlorobenzene	14.69	112	3643366	199.46	ug/L		95
65)	1,1,1,2-Tetrachloroethane	14.76	131	1505471	189.18	ug/L		95
66)	Ethylbenzene	14.70	91	6513282	188.52	ug/L		99
67)	m,p-Xylene	14.85	91	9998480	375.93	ug/L		96
68)	o-Xylene	15.43	91	5281271	191.35	ug/L		97
69)	Styrene	15.46	104	4058969	209.48	ug/L		91
70)	Bromoform	15.85	173	1248450	197.18	ug/L		97
72)	Isopropylbenzene	15.86	105	5112837	206.82	ug/L		98
73)	Cyclohexanone	16.19	55	209175	954.19	ug/L		95
75)	Bromobenzene	16.47	156	1767695	198.85	ug/L		97
76)	1,1,2,2-Tetrachloroethane	16.34	83	1378777	203.56	ug/L		99
77)	Trans-1,4-Dichloro-2-Buten	16.41	53	502682	199.94	ug/L	#	96
78)	1,2,3-Trichloropropane	16.46	110	507411	195.37	ug/L		92
79)	n-Propylbenzene	16.40	91	6771023	198.62	ug/L		100
80)	2-Chlorotoluene	16.66	91	4850993	190.33	ug/L		98
81)	4-Chlorotoluene	16.79	91	4613606	194.34	ug/L		96
82)	1,3,5-Trimethylbenzene	16.61	105	4528891	201.13	ug/L		98
83)	sec-Butylbenzene	17.39	105	4898318	196.64	ug/L		100
84)	1,3-Dichlorobenzene	17.74	146	2726747	196.01	ug/L		98
85)	4-Isopropyltoluene	17.55	119	3982704	196.64	ug/L		100
86)	1,4-Dichlorobenzene	17.87	146	2812589	196.31	ug/L		99
87)	tert-Butylbenzene	17.39	91	832680	191.43	ug/L		91
88)	n-Butylbenzene	18.15	91	3703796	187.69	ug/L		98
89)	1,2-Dichlorobenzene	18.46	146	2500221	190.81	ug/L		96
90)	1,2,4-Trimethylbenzene	17.17	105	4794167	198.90	ug/L		99

(#) = qualifier out of range (m) = manual integration
F019688.D VF3547.M Tue Sep 15 09:55:57 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019688.D Vial: 8
Acq On : 14 Sep 2009 3:31 pm Operator: AnjanaP
Sample : ic3547-200 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:13:53 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:13:36 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	1,2-Dibromo-3-Chloropropan	19.61	75	209616	153.18	ug/L	87
92)	1,2,4-Trichlorobenzene	20.82	180	1235269	176.39	ug/L	100
93)	Hexachlorobutadiene	20.90	225	536202	144.17	ug/L	97
94)	Naphthalene	21.28	128	1803651	172.78	ug/L	100
95)	1,2,3-Trichlorobenzene	21.68	180	669734	152.72	ug/L	98
97)	TPH-GRO (C6-C10)	12.39	TIC	547322666m	8238.03	ug/kg	

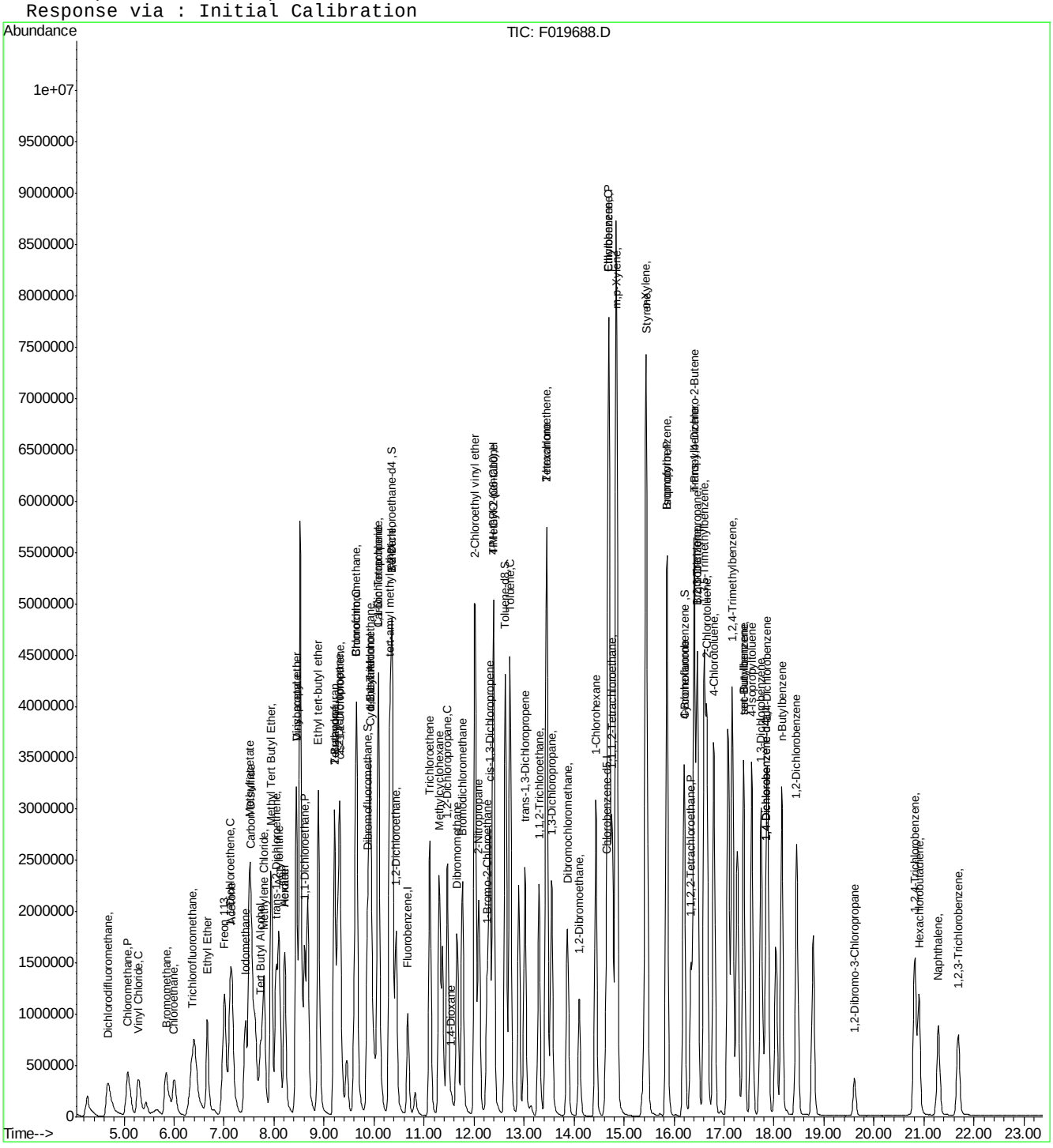
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ACCUTEST Laboratories T39513

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019688.D Vial: 8
Acq On : 14 Sep 2009 3:31 pm Operator: AnjanaP
Sample : ic3547-200 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:13 2009 Quant Results File: VF3547.RES

Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Tue Sep 15 08:59:11 2009
Response via : Initial Calibration



ACCUTEST Laboratories T39513

Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Laidlaw
09/15/09 17:42

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019682.D Vial: 2
Acq On : 14 Sep 2009 12:31 pm Operator: AnjanaP
Sample : ic3547-1 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:09:41 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:08:34 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.67	96	956208	50.00	ug/L	0.00
53) Chlorobenzene-d5	14.63	117	697608	50.00	ug/L	-0.01
71) 1,4-Dichlorobenzene-d4	17.81	152	394454	50.00	ug/L	-0.01
96) 1,4-Dichlorobenzene-d4a	17.81	152	394454	50.00	ug/kg	-0.01

System Monitoring Compounds						
33) Dibromofluoromethane	9.85	113	6329	1.06	ug/L	-0.01
Spiked Amount 50.000	Range 79 - 122		Recovery = 2.12%#			
38) 1,2-Dichloroethane-d4	10.34	65	9407	1.12	ug/L	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 2.24%#			
54) Toluene-d8	12.62	98	20214	1.27	ug/L	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 2.54%#			
74) 4-Bromofluorobenzene	16.19	95	10654	1.46	ug/L	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 2.92%#			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.70	85	5573	0.84	ug/L	92
3) Chloromethane	5.04	50	6800	1.03	ug/L	93
4) Vinyl Chloride	5.29	62	4453	0.83	ug/L #	44
5) Bromomethane	5.88	94	4656	1.29	ug/L	87
6) Chloroethane	6.02	64	3011	1.14	ug/L	73
7) Trichlorofluoromethane	6.36	101	9437	1.10	ug/L	81
8) Acrolein	8.21	56	2060	5.29	ug/L	59
9) Ethyl Ether	6.67	59	3720	1.06	ug/L	88
10) 1,1-Dichloroethene	7.10	61	6980	1.03	ug/L	95
11) Freon 113	6.97	101	3967	0.94	ug/L	88
12) Acetone	7.15	43	16378	12.10	ug/L	82
13) Iodomethane	7.41	142	7314	0.89	ug/L #	91
14) Methyl acetate	7.50	43	20795	7.54	ug/L	90
15) Carbon Disulfide	7.54	76	13743	1.04	ug/L	96
16) Methylene Chloride	7.78	49	9543	1.62	ug/L	84
17) Tert Butyl Alcohol	7.69	59	4649	11.24	ug/L	70
18) trans-1,2-Dichloroethene	8.04	61	6217	0.96	ug/L	86
19) Acrylonitrile	8.09	53	5791	5.52	ug/L	91
20) Methyl Tert Butyl Ether	7.92	73	15482	1.05	ug/L	93
21) Hexane	8.22	57	3470	1.10	ug/L	78
22) 1,1-Dichloroethane	8.60	63	7844	0.95	ug/L	97
23) Vinyl acetate	8.43	43	8397	5.80	ug/L	89
24) Di-isopropyl ether	8.43	45	17043	1.09	ug/L	93
25) Ethyl tert-butyl ether	8.87	59	15836	0.98	ug/L	94
26) 2,2-Dichloropropane	9.28	77	7239	1.07	ug/L	92
27) cis-1,2-Dichloroethene	9.31	96	5498	0.97	ug/L	96
28) 2-Butanone	9.20	43	21865	3.87	ug/L	100
29) Bromochloromethane	9.64	128	2400	0.82	ug/L	88
30) Chloroform	9.64	83	10452	0.93	ug/L	92
31) Tetrahydrofuran	9.20	42	3341	1.21	ug/L	75
32) 1,1,1-Trichloroethane	9.90	97	9311	0.97	ug/L	95
34) Cyclohexane	9.92	56	5124	0.99	ug/L	88
35) n-Butyl Alcohol	9.91	43	309	6.86	ug/L #	1
36) 1,1-Dichloropropene	10.07	75	6645	0.97	ug/L	96

(#) = qualifier out of range (m) = manual integration
F019682.D VF3547.M Tue Sep 15 09:55:39 2009

ACCUTEST Laboratories T39513

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019682.D Vial: 2
Acq On : 14 Sep 2009 12:31 pm Operator: AnjanaP
Sample : ic3547-1 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:09:41 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:08:34 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37)	Carbon Tetrachloride	10.08	117	8163	0.99	ug/L		95
39)	Benzene	10.36	78	15506	0.99	ug/L		98
40)	1,2-Dichloroethane	10.42	62	9792	1.01	ug/L		94
41)	tert-amyl methyl ether	10.31	73	15768	1.09	ug/L		86
42)	Trichloroethene	11.10	95	10733	1.94	ug/L		98
43)	Methylcyclohexane	11.29	83	4948	1.03	ug/L		95
44)	1,2-Dichloropropane	11.46	63	3850	1.00	ug/L		87
45)	Dibromomethane	11.65	93	3620	0.92	ug/L		93
47)	Bromodichloromethane	11.75	83	9855	1.04	ug/L		97
48)	2-Nitropropane	12.08	41	10680	5.40	ug/L		91
49)	2-Chloroethyl vinyl ether	12.01	63	9868	4.70	ug/L		84
50)	1-Bromo-2-Chloroethane	12.25	63	5967	1.06	uL/L		94
51)	4-Methyl-2-pentanone	12.38	43	21101	5.74	ug/L		96
52)	cis-1,3-Dichloropropene	12.30	75	8656	0.99	ug/L		96
55)	Toluene	12.71	91	19583	1.07	ug/L		96
56)	trans-1,3-Dichloropropene	13.01	75	8212	0.98	ug/L		89
57)	1,1,2-Trichloroethane	13.29	83	3637	1.06	ug/L		93
58)	Tetrachloroethene	13.43	166	6155	1.09	ug/L		90
59)	2-hexanone	13.44	43	14675	5.48	ug/L		97
60)	1,3-Dichloropropane	13.54	76	8286	1.07	ug/L		88
61)	Dibromochloromethane	13.87	129	5946	0.94	ug/L		93
62)	1,2-Dibromoethane	14.09	107	4835	0.98	ug/L		83
63)	1-Chlorohexane	14.43	91	6754	1.04	ug/L		91
64)	Chlorobenzene	14.68	112	13385	1.08	ug/L		97
65)	1,1,1,2-Tetrachloroethane	14.75	131	5410	0.97	ug/L	#	70
66)	Ethylbenzene	14.68	91	25295	1.08	ug/L		92
67)	m,p-Xylene	14.83	91	37073	2.03	ug/L		98
68)	o-Xylene	15.41	91	19304	1.01	ug/L		99
69)	Styrene	15.44	104	12803	0.93	ug/L		96
70)	Bromoform	15.84	173	4214	0.92	ug/L		92
72)	Isopropylbenzene	15.85	105	17798	1.04	ug/L		94
73)	Cyclohexanone	16.16	55	544	3.78	ug/L	#	27
75)	Bromobenzene	16.46	156	6422	1.04	ug/L		91
76)	1,1,2,2-Tetrachloroethane	16.33	83	5303	1.13	ug/L		83
77)	Trans-1,4-Dichloro-2-Buten	16.40	53	1873	0.98	ug/L	#	87
78)	1,2,3-Trichloropropane	16.46	110	2029	1.12	ug/L		75
79)	n-Propylbenzene	16.39	91	25454	1.08	ug/L		100
80)	2-Chlorotoluene	16.64	91	20035	1.15	ug/L		96
81)	4-Chlorotoluene	16.79	91	18670	1.14	ug/L		92
82)	1,3,5-Trimethylbenzene	16.59	105	16231	1.03	ug/L		96
83)	sec-Butylbenzene	17.38	105	19271	1.12	ug/L		99
84)	1,3-Dichlorobenzene	17.73	146	9900	1.00	ug/L		90
85)	4-Isopropyltoluene	17.54	119	15037	1.08	ug/L		99
86)	1,4-Dichlorobenzene	17.73	146	9900	0.95	ug/L		89
87)	tert-Butylbenzene	17.55	91	5185	1.66	ug/L	#	68
88)	n-Butylbenzene	18.15	91	16098	1.13	ug/L		94
89)	1,2-Dichlorobenzene	18.43	146	9891	1.02	ug/L		92
90)	1,2,4-Trimethylbenzene	17.15	105	17749	1.05	ug/L		89
91)	1,2-Dibromo-3-Chloropropan	19.59	75	1180	1.16	ug/L	#	52

(#) = qualifier out of range (m) = manual integration
F019682.D VF3547.M Tue Sep 15 09:55:39 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019682.D Vial: 2
Acq On : 14 Sep 2009 12:31 pm Operator: AnjanaP
Sample : ic3547-1 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:09:41 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:08:34 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
92)	1,2,4-Trichlorobenzene	20.81	180	6329	1.10	ug/L	92
93)	Hexachlorobutadiene	20.88	225	4084	1.58	ug/L	94
94)	Naphthalene	21.28	128	10874	1.28	ug/L	98
95)	1,2,3-Trichlorobenzene	21.68	180	4991	1.57	ug/L	90
97)	TPH-GRO (C6-C10)	12.39	TIC	184556m	5.23	ug/kg	

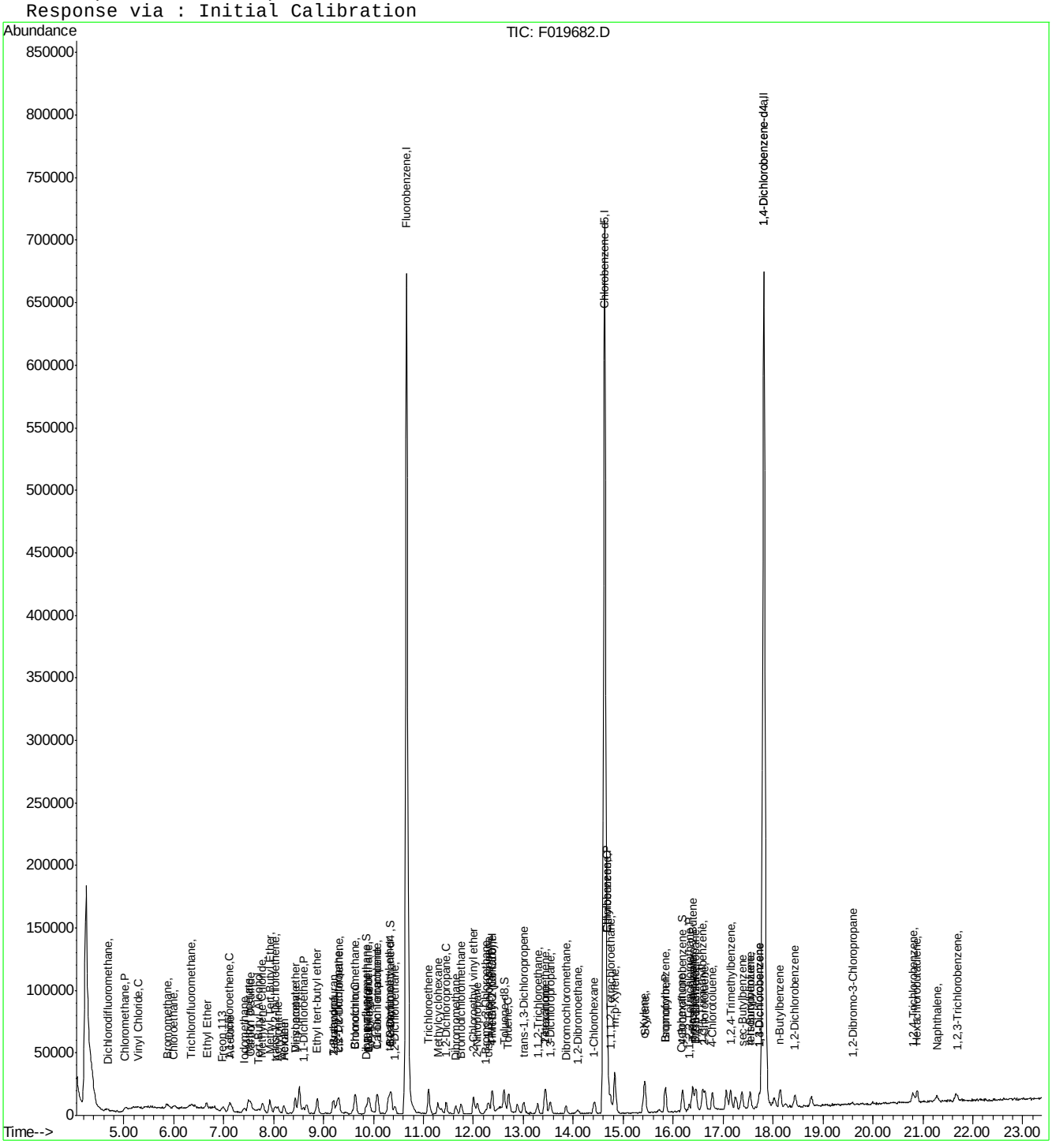
(#) = qualifier out of range (m) = manual integration (+) = signals summed
F019682.D VF3547.M Tue Sep 15 09:55:39 2009

ACCUTEST Laboratories T39513

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019682.D Vial: 2
Acq On : 14 Sep 2009 12:31 pm Operator: AnjanaP
Sample : ic3547-1 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:09 2009 Quant Results File: VF3547.RES

Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Tue Sep 15 08:59:11 2009
Response via : Initial Calibration



ACCUTEST Laboratories T39513

Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Laidlaw
09/15/09 17:42

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019683.D Vial: 3
Acq On : 14 Sep 2009 1:01 pm Operator: AnjanaP
Sample : ic3547-2 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:11:05 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:10:47 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.67	96	947288	50.00	ug/L	0.00
53) Chlorobenzene-d5	14.64	117	695473	50.00	ug/L	0.00
71) 1,4-Dichlorobenzene-d4	17.82	152	390028	50.00	ug/L	0.00
96) 1,4-Dichlorobenzene-d4a	17.82	152	390028	50.00	ug/kg	0.00

System Monitoring Compounds						
33) Dibromofluoromethane	9.86	113	10997	1.80	ug/L	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 3.60%#			
38) 1,2-Dichloroethane-d4	10.34	65	16182	1.84	ug/L	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 3.68%#			
54) Toluene-d8	12.62	98	32778	1.82	ug/L	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 3.64%#			
74) 4-Bromofluorobenzene	16.19	95	15304	1.72	ug/L	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 3.44%#			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.68	85	10398	1.72	ug/L	96
3) Chloromethane	5.04	50	8884	1.34	ug/L	88
4) Vinyl Chloride	5.28	62	7538	1.59	ug/L	98
5) Bromomethane	5.87	94	8374	2.05	ug/L	86
6) Chloroethane	6.03	64	4985	1.77	ug/L	97
7) Trichlorofluoromethane	6.36	101	17233	1.93	ug/L	97
8) Acrolein	8.21	56	4442	11.19	ug/L	59
9) Ethyl Ether	6.66	59	7617	2.13	ug/L	93
10) 1,1-Dichloroethene	7.11	61	14802	2.17	ug/L	98
11) Freon 113	7.00	101	9430	2.31	ug/L	89
12) Acetone	7.16	43	22736	10.04	ug/L	98
13) Iodomethane	7.42	142	15389	2.00	ug/L	97
14) Methyl acetate	7.51	43	32239	9.41	ug/L	95
15) Carbon Disulfide	7.55	76	26918	2.02	ug/L	99
16) Methylene Chloride	7.79	49	14838	1.94	ug/L	91
17) Tert Butyl Alcohol	7.71	59	8508	19.55	ug/L	86
18) trans-1,2-Dichloroethene	8.03	61	12921	2.05	ug/L	91
19) Acrylonitrile	8.09	53	11329	10.36	ug/L	94
20) Methyl Tert Butyl Ether	7.93	73	30605	2.04	ug/L	97
21) Hexane	8.21	57	7369	2.25	ug/L	94
22) 1,1-Dichloroethane	8.61	63	16703	2.09	ug/L	92
23) Vinyl acetate	8.44	43	14233	9.19	ug/L	88
24) Di-isopropyl ether	8.44	45	30683	1.89	ug/L	98
25) Ethyl tert-butyl ether	8.88	59	30080	1.89	ug/L	92
26) 2,2-Dichloropropane	9.29	77	14488	2.09	ug/L	99
27) cis-1,2-Dichloroethene	9.31	96	11621	2.11	ug/L	94
28) 2-Butanone	9.20	43	58802	11.84	ug/L	100
29) Bromochloromethane	9.65	128	5581	2.11	ug/L	98
30) Chloroform	9.65	83	22923	2.13	ug/L	98
31) Tetrahydrofuran	9.21	42	4525	1.45	ug/L	78
32) 1,1,1-Trichloroethane	9.90	97	19652	2.10	ug/L	94
34) Cyclohexane	9.93	56	11839	2.32	ug/L	83
35) n-Butyl Alcohol	9.92	43	1980	47.24	ug/L #	28
36) 1,1-Dichloropropene	10.08	75	14123	2.11	ug/L	96

(#) = qualifier out of range (m) = manual integration
F019683.D VF3547.M Tue Sep 15 09:55:41 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019683.D Vial: 3
Acq On : 14 Sep 2009 1:01 pm Operator: AnjanaP
Sample : ic3547-2 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:11:05 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:10:47 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37)	Carbon Tetrachloride	10.08	117	16977	2.09	ug/L		98
39)	Benzene	10.36	78	32415	2.10	ug/L		87
40)	1,2-Dichloroethane	10.43	62	18959	1.96	ug/L		95
41)	tert-amyl methyl ether	10.31	73	29652	1.98	ug/L		96
42)	Trichloroethene	11.11	95	15738	1.95	ug/L		97
43)	Methylcyclohexane	11.30	83	10094	2.09	ug/L		96
44)	1,2-Dichloropropane	11.46	63	7906	2.07	ug/L		93
45)	Dibromomethane	11.65	93	7546	2.01	ug/L		82
46)	1,4-Dioxane	11.56	88	1216	29.28	ug/L	#	63
47)	Bromodichloromethane	11.76	83	18337	1.91	ug/L		96
48)	2-Nitropropane	12.09	41	21935	10.76	ug/L		98
49)	2-Chloroethyl vinyl ether	12.01	63	18258	9.05	ug/L		88
50)	1-Bromo-2-Chloroethane	12.25	63	11589	2.02	uL/L		100
51)	4-Methyl-2-pentanone	12.38	43	39511	10.10	ug/L		97
52)	cis-1,3-Dichloropropene	12.30	75	16922	1.96	ug/L		89
55)	Toluene	12.71	91	39063	2.07	ug/L		96
56)	trans-1,3-Dichloropropene	13.01	75	16632	2.01	ug/L		96
57)	1,1,2-Trichloroethane	13.29	83	7295	2.07	ug/L		94
58)	Tetrachloroethene	13.43	166	12622	2.15	ug/L		96
59)	2-hexanone	13.45	43	28082	10.03	ug/L		98
60)	1,3-Dichloropropane	13.54	76	16463	2.06	ug/L		91
61)	Dibromochloromethane	13.86	129	12213	1.99	ug/L		96
62)	1,2-Dibromoethane	14.09	107	10279	2.11	ug/L		93
63)	1-Chlorohexane	14.43	91	13749	2.08	ug/L		93
64)	Chlorobenzene	14.67	112	25180	1.96	ug/L		89
65)	1,1,1,2-Tetrachloroethane	14.75	131	11592	2.11	ug/L		85
66)	Ethylbenzene	14.68	91	50842	2.10	ug/L		98
67)	m,p-Xylene	14.83	91	77707	4.23	ug/L		93
68)	o-Xylene	15.42	91	40204	2.10	ug/L		94
69)	Styrene	15.45	104	26449	2.00	ug/L		95
70)	Bromoform	15.85	173	9275	2.11	ug/L		87
72)	Isopropylbenzene	15.85	105	37212	2.16	ug/L		96
73)	Cyclohexanone	16.20	55	1896	14.49	ug/L	#	71
75)	Bromobenzene	16.47	156	13766	2.21	ug/L		98
76)	1,1,2,2-Tetrachloroethane	16.33	83	10422	2.11	ug/L		93
77)	Trans-1,4-Dichloro-2-Buten	16.40	53	3664	1.96	ug/L	#	93
78)	1,2,3-Trichloropropane	16.47	110	3958	2.09	ug/L		79
79)	n-Propylbenzene	16.40	91	51663	2.13	ug/L		98
80)	2-Chlorotoluene	16.64	91	38927	2.10	ug/L		97
81)	4-Chlorotoluene	16.79	91	36634	2.11	ug/L		99
82)	1,3,5-Trimethylbenzene	16.59	105	34365	2.17	ug/L		96
83)	sec-Butylbenzene	17.38	105	37811	2.10	ug/L		97
84)	1,3-Dichlorobenzene	17.73	146	21717	2.22	ug/L		94
85)	4-Isopropyltoluene	17.55	119	30960	2.16	ug/L		99
86)	1,4-Dichlorobenzene	17.73	146	21717	2.16	ug/L		95
87)	tert-Butylbenzene	17.39	91	8158	2.00	ug/L		91
88)	n-Butylbenzene	18.15	91	29139	1.94	ug/L		98
89)	1,2-Dichlorobenzene	18.44	146	19585	2.02	ug/L		95
90)	1,2,4-Trimethylbenzene	17.15	105	35759	2.08	ug/L		93

(#) = qualifier out of range (m) = manual integration
F019683.D VF3547.M Tue Sep 15 09:55:41 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019683.D Vial: 3
Acq On : 14 Sep 2009 1:01 pm Operator: AnjanaP
Sample : ic3547-2 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:11:05 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:10:47 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

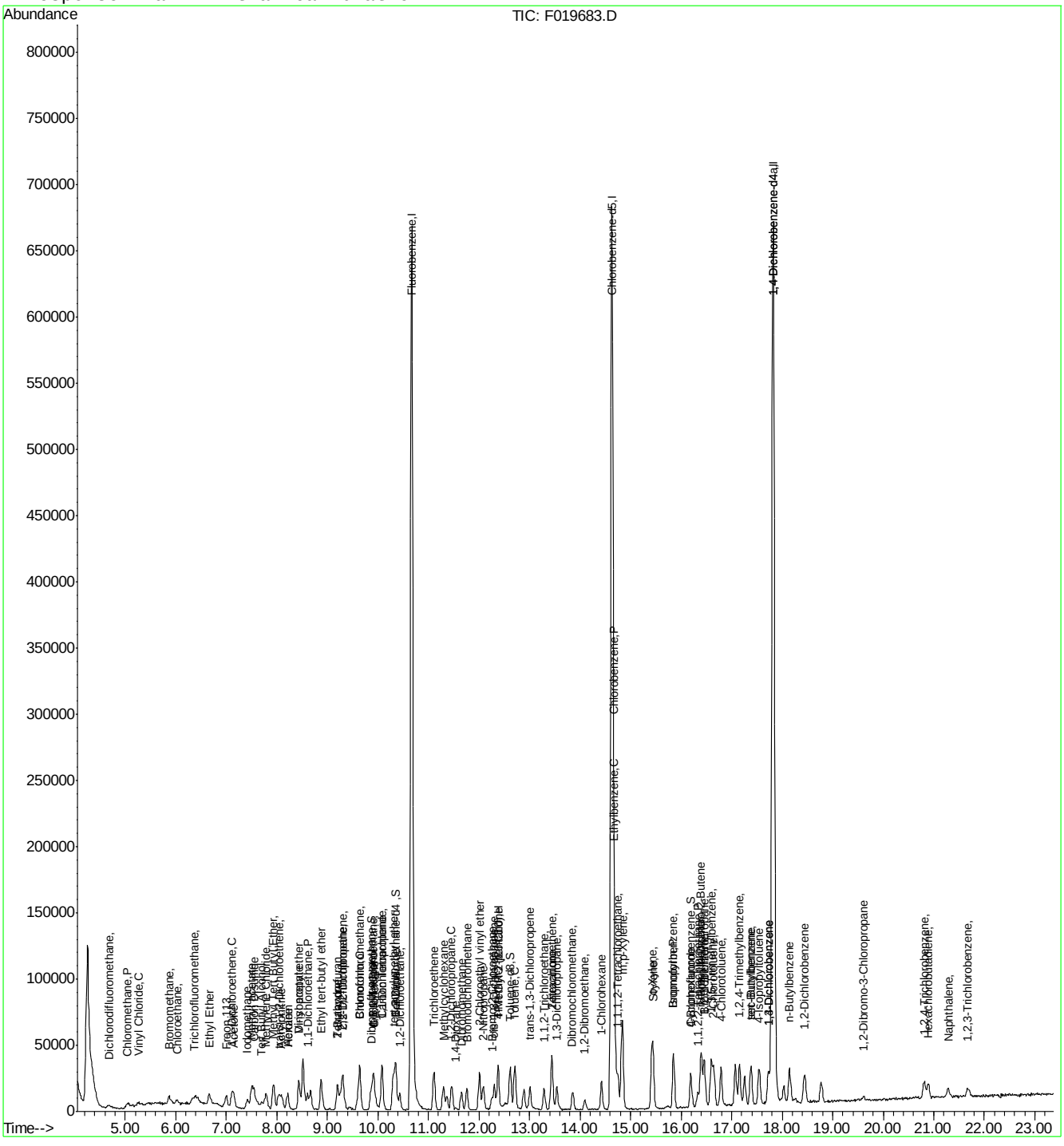
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	1,2-Dibromo-3-Chloropropan	19.60	75	2425	2.24	ug/L	87
92)	1,2,4-Trichlorobenzene	20.81	180	9654	1.62	ug/L	97
93)	Hexachlorobutadiene	20.89	225	5689	1.73	ug/L	89
94)	Naphthalene	21.28	128	13984	1.46	ug/L	80
95)	1,2,3-Trichlorobenzene	21.67	180	6548	1.62	ug/L	96
97)	TPH-GRO (C6-C10)	12.39	TIC	2699442m	77.34	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed
F019683.D VF3547.M Tue Sep 15 09:55:41 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019683.D Vial: 3
Acq On : 14 Sep 2009 1:01 pm Operator: AnjanaP
Sample : ic3547-2 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:11 2009 Quant Results File: VF3547.RES

Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Tue Sep 15 08:59:11 2009
Response via : Initial Calibration



ACCUTEST Laboratories T39513

Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Laidlaw
09/15/09 17:42

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019684.D Vial: 4
Acq On : 14 Sep 2009 1:31 pm Operator: AnjanaP
Sample : ic3547-5 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:11:34 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:11:23 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.68	96	1008594	50.00	ug/L	0.00
53) Chlorobenzene-d5	14.64	117	729549	50.00	ug/L	0.00
71) 1,4-Dichlorobenzene-d4	17.82	152	410756	50.00	ug/L	0.00
96) 1,4-Dichlorobenzene-d4a	17.82	152	410756	50.00	ug/kg	0.00

System Monitoring Compounds						
33) Dibromofluoromethane	9.86	113	31064	4.95	ug/L	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 9.90%#			
38) 1,2-Dichloroethane-d4	10.35	65	45217	4.95	ug/L	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 9.90%#			
54) Toluene-d8	12.63	98	89755	4.90	ug/L	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 9.80%#			
74) 4-Bromofluorobenzene	16.20	95	39760	4.46	ug/L	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 8.92%#			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.68	85	29821	4.85	ug/L	86
3) Chloromethane	5.05	50	23140	3.67	ug/L	96
4) Vinyl Chloride	5.28	62	21305	4.12	ug/L	88
5) Bromomethane	5.89	94	19688	4.48	ug/L	93
6) Chloroethane	6.04	64	13315	4.77	ug/L	95
7) Trichlorofluoromethane	6.36	101	44400	4.84	ug/L	97
8) Acrolein	8.22	56	11785	26.82	ug/L	82
9) Ethyl Ether	6.68	59	18019	4.63	ug/L	92
10) 1,1-Dichloroethene	7.12	61	36101	4.84	ug/L	98
11) Freon 113	7.01	101	25771	5.71	ug/L	95
12) Acetone	7.17	43	41431	22.55	ug/L	96
13) Iodomethane	7.43	142	40184	4.91	ug/L	99
14) Methyl acetate	7.51	43	73699	20.61	ug/L	98
15) Carbon Disulfide	7.55	76	72047	5.06	ug/L	92
16) Methylene Chloride	7.81	49	32591	4.05	ug/L	91
17) Tert Butyl Alcohol	7.71	59	20325	44.20	ug/L	94
18) trans-1,2-Dichloroethene	8.05	61	34084	5.04	ug/L	95
19) Acrylonitrile	8.11	53	28805	24.45	ug/L	96
20) Methyl Tert Butyl Ether	7.94	73	75043	4.67	ug/L	95
21) Hexane	8.23	57	19916	5.48	ug/L	88
22) 1,1-Dichloroethane	8.61	63	44913	5.20	ug/L	100
23) Vinyl acetate	8.45	43	37606	23.44	ug/L	90
24) Di-isopropyl ether	8.45	45	82350	4.86	ug/L	100
25) Ethyl tert-butyl ether	8.89	59	81971	4.93	ug/L	97
26) 2,2-Dichloropropane	9.30	77	39547	5.28	ug/L	94
27) cis-1,2-Dichloroethene	9.32	96	29452	4.93	ug/L	94
28) 2-Butanone	9.20	43	149763	26.69	ug/L	100
29) Bromochloromethane	9.64	128	14392	5.02	ug/L	92
30) Chloroform	9.66	83	57840	4.94	ug/L	98
31) Tetrahydrofuran	9.20	42	8848	3.10	ug/L	87
32) 1,1,1-Trichloroethane	9.91	97	50661	5.00	ug/L	95
34) Cyclohexane	9.93	56	29168	5.09	ug/L	94
35) n-Butyl Alcohol	9.92	43	3818	71.44	ug/L #	18
36) 1,1-Dichloropropene	10.09	75	37240	5.13	ug/L	99

(#) = qualifier out of range (m) = manual integration
F019684.D VF3547.M Tue Sep 15 09:55:44 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019684.D Vial: 4
Acq On : 14 Sep 2009 1:31 pm Operator: AnjanaP
Sample : ic3547-5 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:11:34 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:11:23 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37) Carbon Tetrachloride	10.09	117	44794	5.11	ug/L		96
39) Benzene	10.37	78	86060	5.14	ug/L		97
40) 1,2-Dichloroethane	10.43	62	52070	5.10	ug/L		96
41) tert-amyl methyl ether	10.31	73	76052	4.78	ug/L		95
42) Trichloroethene	11.12	95	33956	3.99	ug/L		97
43) Methylcyclohexane	11.31	83	29121	5.57	ug/L		98
44) 1,2-Dichloropropane	11.48	63	20582	5.00	ug/L		92
45) Dibromomethane	11.65	93	21073	5.27	ug/L		94
46) 1,4-Dioxane	11.54	88	3921	98.57	ug/L		88
47) Bromodichloromethane	11.77	83	50417	5.02	ug/L		89
48) 2-Nitropropane	12.10	41	52088	23.41	ug/L		91
49) 2-Chloroethyl vinyl ether	12.02	63	47068	22.63	ug/L		99
50) 1-Bromo-2-Chloroethane	12.25	63	29153	4.76	uL/L		98
51) 4-Methyl-2-pentanone	12.38	43	97447	23.32	ug/L		98
52) cis-1,3-Dichloropropene	12.30	75	44008	4.82	ug/L		97
55) Toluene	12.72	91	100714	5.03	ug/L		98
56) trans-1,3-Dichloropropene	13.02	75	42958	4.94	ug/L		97
57) 1,1,2-Trichloroethane	13.30	83	18471	4.93	ug/L		96
58) Tetrachloroethene	13.44	166	32598	5.16	ug/L		98
59) 2-hexanone	13.46	43	67208	22.86	ug/L		99
60) 1,3-Dichloropropane	13.54	76	41077	4.86	ug/L		91
61) Dibromochloromethane	13.87	129	32217	5.02	ug/L		91
62) 1,2-Dibromoethane	14.10	107	25682	4.93	ug/L		89
63) 1-Chlorohexane	14.43	91	33997	4.84	ug/L		93
64) Chlorobenzene	14.69	112	65799	4.91	ug/L		96
65) 1,1,1,2-Tetrachloroethane	14.76	131	29707	5.07	ug/L		95
66) Ethylbenzene	14.69	91	125709	4.86	ug/L		97
67) m,p-Xylene	14.84	91	195713	9.97	ug/L		99
68) o-Xylene	15.42	91	100092	4.90	ug/L		98
69) Styrene	15.45	104	69831	5.03	ug/L		96
70) Bromoform	15.86	173	21839	4.65	ug/L		97
72) Isopropylbenzene	15.86	105	95203	5.11	ug/L		100
73) Cyclohexanone	16.19	55	4002	25.78	ug/L	#	77
75) Bromobenzene	16.47	156	33679	4.96	ug/L		94
76) 1,1,2,2-Tetrachloroethane	16.34	83	24048	4.54	ug/L		93
77) Trans-1,4-Dichloro-2-Buten	16.41	53	8874	4.54	ug/L	#	90
78) 1,2,3-Trichloropropane	16.46	110	9378	4.63	ug/L		95
79) n-Propylbenzene	16.40	91	129915	4.98	ug/L		98
80) 2-Chlorotoluene	16.65	91	98471	4.97	ug/L		97
81) 4-Chlorotoluene	16.79	91	87814	4.72	ug/L		99
82) 1,3,5-Trimethylbenzene	16.59	105	86438	5.04	ug/L		95
83) sec-Butylbenzene	17.39	105	93386	4.84	ug/L		98
84) 1,3-Dichlorobenzene	17.74	146	53052	4.97	ug/L		98
85) 4-Isopropyltoluene	17.55	119	76756	4.95	ug/L		95
86) 1,4-Dichlorobenzene	17.86	146	55913	5.15	ug/L		84
87) tert-Butylbenzene	17.39	91	18988	5.26	ug/L		93
88) n-Butylbenzene	18.15	91	72211	4.62	ug/L		99
89) 1,2-Dichlorobenzene	18.45	146	48843	4.76	ug/L		94
90) 1,2,4-Trimethylbenzene	17.16	105	93031	5.08	ug/L		93

(#) = qualifier out of range (m) = manual integration
F019684.D VF3547.M Tue Sep 15 09:55:44 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019684.D Vial: 4
Acq On : 14 Sep 2009 1:31 pm Operator: AnjanaP
Sample : ic3547-5 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:11:34 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:11:23 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

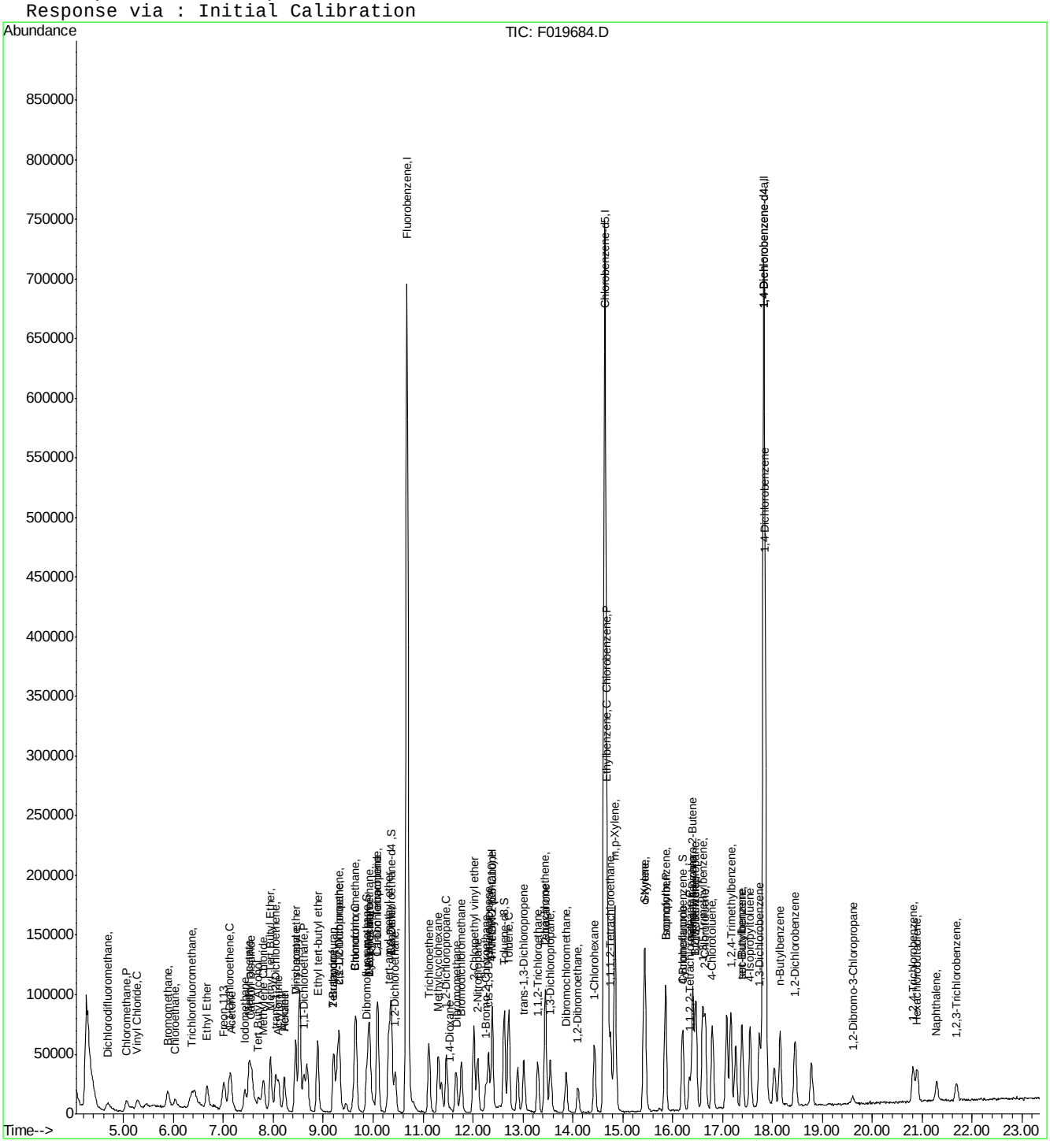
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	1,2-Dibromo-3-Chloropropan	19.60	75	4739	3.99	ug/L	83
92)	1,2,4-Trichlorobenzene	20.82	180	22735	3.87	ug/L	98
93)	Hexachlorobutadiene	20.90	225	12032	3.63	ug/L	93
94)	Naphthalene	21.29	128	30446	3.32	ug/L	93
95)	1,2,3-Trichlorobenzene	21.69	180	13294	3.33	ug/L	93
97)	TPH-GRO (C6-C10)	12.39	TIC	9738984m	375.64	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed
F019684.D VF3547.M Tue Sep 15 09:55:44 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019684.D Vial: 4
Acq On : 14 Sep 2009 1:31 pm Operator: AnjanaP
Sample : ic3547-5 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:11 2009 Quant Results File: VF3547.RES

Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Tue Sep 15 08:59:11 2009
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Laidlaw
09/15/09 17:42

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019685.D Vial: 5
Acq On : 14 Sep 2009 2:01 pm Operator: AnjanaP
Sample : ic3547-20 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:12:06 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:11:50 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.67	96	982414	50.00	ug/L	0.00
53) Chlorobenzene-d5	14.64	117	707294	50.00	ug/L	0.00
71) 1,4-Dichlorobenzene-d4	17.82	152	401382	50.00	ug/L	0.00
96) 1,4-Dichlorobenzene-d4a	17.82	152	401382	50.00	ug/kg	0.00

System Monitoring Compounds

33) Dibromofluoromethane	9.86	113	106812	17.51	ug/L	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 35.02%#			
38) 1,2-Dichloroethane-d4	10.35	65	148375	16.72	ug/L	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 33.44%#			
54) Toluene-d8	12.63	98	289415	16.38	ug/L	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 32.76%#			
74) 4-Bromofluorobenzene	16.20	95	130166	15.35	ug/L	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 30.70%#			

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	4.68	85	100390	16.89	ug/L	96
3) Chloromethane	5.06	50	71796	12.53	ug/L	94
4) Vinyl Chloride	5.28	62	66013	12.48	ug/L	95
5) Bromomethane	5.88	94	63479	15.23	ug/L	93
6) Chloroethane	6.03	64	46084	17.07	ug/L	96
7) Trichlorofluoromethane	6.36	101	157594	17.84	ug/L	96
8) Acrolein	8.22	56	38236	87.74	ug/L	88
9) Ethyl Ether	6.67	59	63043	16.94	ug/L	99
10) 1,1-Dichloroethene	7.12	61	123920	17.18	ug/L	98
11) Freon 113	7.01	101	85797	19.61	ug/L	95
12) Acetone	7.16	43	122068	84.09	ug/L	96
13) Iodomethane	7.43	142	145509	18.34	ug/L	100
14) Methyl acetate	7.51	43	244928	73.55	ug/L	97
15) Carbon Disulfide	7.55	76	245809	17.66	ug/L	96
16) Methylene Chloride	7.80	49	107994	14.45	ug/L	97
17) Tert Butyl Alcohol	7.71	59	72450	166.59	ug/L	97
18) trans-1,2-Dichloroethene	8.04	61	120197	18.20	ug/L	97
19) Acrylonitrile	8.10	53	102041	89.42	ug/L	96
20) Methyl Tert Butyl Ether	7.94	73	263723	17.14	ug/L	96
21) Hexane	8.22	57	64717	17.85	ug/L	97
22) 1,1-Dichloroethane	8.61	63	146591	17.25	ug/L	99
23) Vinyl acetate	8.45	43	121689	79.10	ug/L	99
24) Di-isopropyl ether	8.45	45	279196	17.04	ug/L	98
25) Ethyl tert-butyl ether	8.89	59	287162	17.81	ug/L	99
26) 2,2-Dichloropropane	9.30	77	129113	17.46	ug/L	98
27) cis-1,2-Dichloroethene	9.32	96	104986	18.10	ug/L	94
28) 2-Butanone	9.20	43	502313	90.37	ug/L	100
29) Bromochloromethane	9.64	128	53369	19.08	ug/L	96
30) Chloroform	9.65	83	202549	17.81	ug/L	99
31) Tetrahydrofuran	9.20	42	49178	17.74	ug/L	95
32) 1,1,1-Trichloroethane	9.91	97	177308	17.97	ug/L	98
34) Cyclohexane	9.92	56	102404	18.27	ug/L	96
35) n-Butyl Alcohol	9.93	43	7905	159.60	ug/L	95
36) 1,1-Dichloropropene	10.08	75	131509	18.47	ug/L	94

(#) = qualifier out of range (m) = manual integration
F019685.D VF3547.M Tue Sep 15 09:55:47 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019685.D Vial: 5
Acq On : 14 Sep 2009 2:01 pm Operator: AnjanaP
Sample : ic3547-20 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:12:06 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:11:50 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37) Carbon Tetrachloride	10.09	117	153956	17.92	ug/L		98
39) Benzene	10.36	78	296632	18.07	ug/L		93
40) 1,2-Dichloroethane	10.43	62	174702	17.47	ug/L		100
41) tert-amyl methyl ether	10.31	73	264248	17.24	ug/L		100
42) Trichloroethene	11.11	95	103308	13.13	ug/L		96
43) Methylcyclohexane	11.31	83	95146	18.17	ug/L		99
44) 1,2-Dichloropropane	11.47	63	70640	17.62	ug/L		97
45) Dibromomethane	11.65	93	70784	17.93	ug/L		97
46) 1,4-Dioxane	11.55	88	14565	345.03	ug/L		95
47) Bromodichloromethane	11.76	83	168761	17.22	ug/L		98
48) 2-Nitropropane	12.09	41	187274	87.81	ug/L		98
49) 2-Chloroethyl vinyl ether	12.01	63	178146	90.07	ug/L		98
50) 1-Bromo-2-Chloroethane	12.25	63	101118	17.15	uL/L		97
51) 4-Methyl-2-pentanone	12.38	43	328138	81.99	ug/L		97
52) cis-1,3-Dichloropropene	12.31	75	155974	17.69	ug/L		97
55) Toluene	12.72	91	337327	17.36	ug/L		99
56) trans-1,3-Dichloropropene	13.01	75	148986	17.73	ug/L		99
57) 1,1,2-Trichloroethane	13.30	83	62592	17.30	ug/L		97
58) Tetrachloroethene	13.44	166	109099	17.68	ug/L		97
59) 2-hexanone	13.45	43	236631	84.85	ug/L		98
60) 1,3-Dichloropropane	13.54	76	143044	17.57	ug/L		96
61) Dibromochloromethane	13.87	129	111979	17.97	ug/L		100
62) 1,2-Dibromoethane	14.10	107	90639	18.02	ug/L		97
63) 1-Chlorohexane	14.43	91	115505	17.09	ug/L		92
64) Chlorobenzene	14.68	112	224020	17.33	ug/L		98
65) 1,1,1,2-Tetrachloroethane	14.75	131	97467	17.10	ug/L		98
66) Ethylbenzene	14.69	91	411556	16.54	ug/L		99
67) m,p-Xylene	14.84	91	650473	34.21	ug/L		99
68) o-Xylene	15.42	91	334597	16.97	ug/L		97
69) Styrene	15.45	104	240347	17.83	ug/L		95
70) Bromoform	15.85	173	79979	17.89	ug/L		96
72) Isopropylbenzene	15.86	105	319385	17.45	ug/L		99
73) Cyclohexanone	16.19	55	12353	83.58	ug/L		93
75) Bromobenzene	16.47	156	116972	17.67	ug/L		97
76) 1,1,2,2-Tetrachloroethane	16.33	83	84699	16.74	ug/L		99
77) Trans-1,4-Dichloro-2-Buten	16.41	53	33357	17.87	ug/L	#	98
78) 1,2,3-Trichloropropane	16.47	110	33963	17.47	ug/L		89
79) n-Propylbenzene	16.40	91	435765	17.11	ug/L		97
80) 2-Chlorotoluene	16.65	91	320598	16.57	ug/L		99
81) 4-Chlorotoluene	16.79	91	299961	16.74	ug/L		94
82) 1,3,5-Trimethylbenzene	16.59	105	292120	17.40	ug/L		95
83) sec-Butylbenzene	17.39	105	314828	16.84	ug/L		99
84) 1,3-Dichlorobenzene	17.74	146	179536	17.25	ug/L		99
85) 4-Isopropyltoluene	17.55	119	263530	17.43	ug/L		99
86) 1,4-Dichlorobenzene	17.86	146	189030	17.68	ug/L		97
87) tert-Butylbenzene	17.39	91	58310	17.97	ug/L		99
88) n-Butylbenzene	18.15	91	246188	16.42	ug/L		99
89) 1,2-Dichlorobenzene	18.44	146	166804	16.85	ug/L		97
90) 1,2,4-Trimethylbenzene	17.16	105	311686	17.34	ug/L		98

(#) = qualifier out of range (m) = manual integration
F019685.D VF3547.M Tue Sep 15 09:55:47 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019685.D Vial: 5
Acq On : 14 Sep 2009 2:01 pm Operator: AnjanaP
Sample : ic3547-20 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:12:06 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:11:50 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	1,2-Dibromo-3-Chloropropan	19.60	75	15869	14.40	ug/L	96
92)	1,2,4-Trichlorobenzene	20.81	180	86947	16.04	ug/L	98
93)	Hexachlorobutadiene	20.89	225	42424	14.07	ug/L	93
94)	Naphthalene	21.28	128	121677	14.82	ug/L	99
95)	1,2,3-Trichlorobenzene	21.68	180	48275	13.52	ug/L	98
97)	TPH-GRO (C6-C10)	12.39	TIC	34546709m	1035.15	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed
F019685.D VF3547.M Tue Sep 15 09:55:48 2009

Quantitation Report (QT Reviewed)

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Data File : C:\MSDCHEM\2\DATA\VF3548\F019685.D          Vial: 5
Acq On    : 14 Sep 2009   2:01 pm                    Operator: AnjanaP
Sample    : ic3547-20                                Inst    : GC/MS F
Misc      : ms6979,vf3548,5,,,5,,water               Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:12 2009             Quant Results File: VF3547.RES

Method        : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title         : SW846 8260B and EPA 624
Last Update   : Tue Sep 15 08:59:11 2009
Response via  : Initial Calibration
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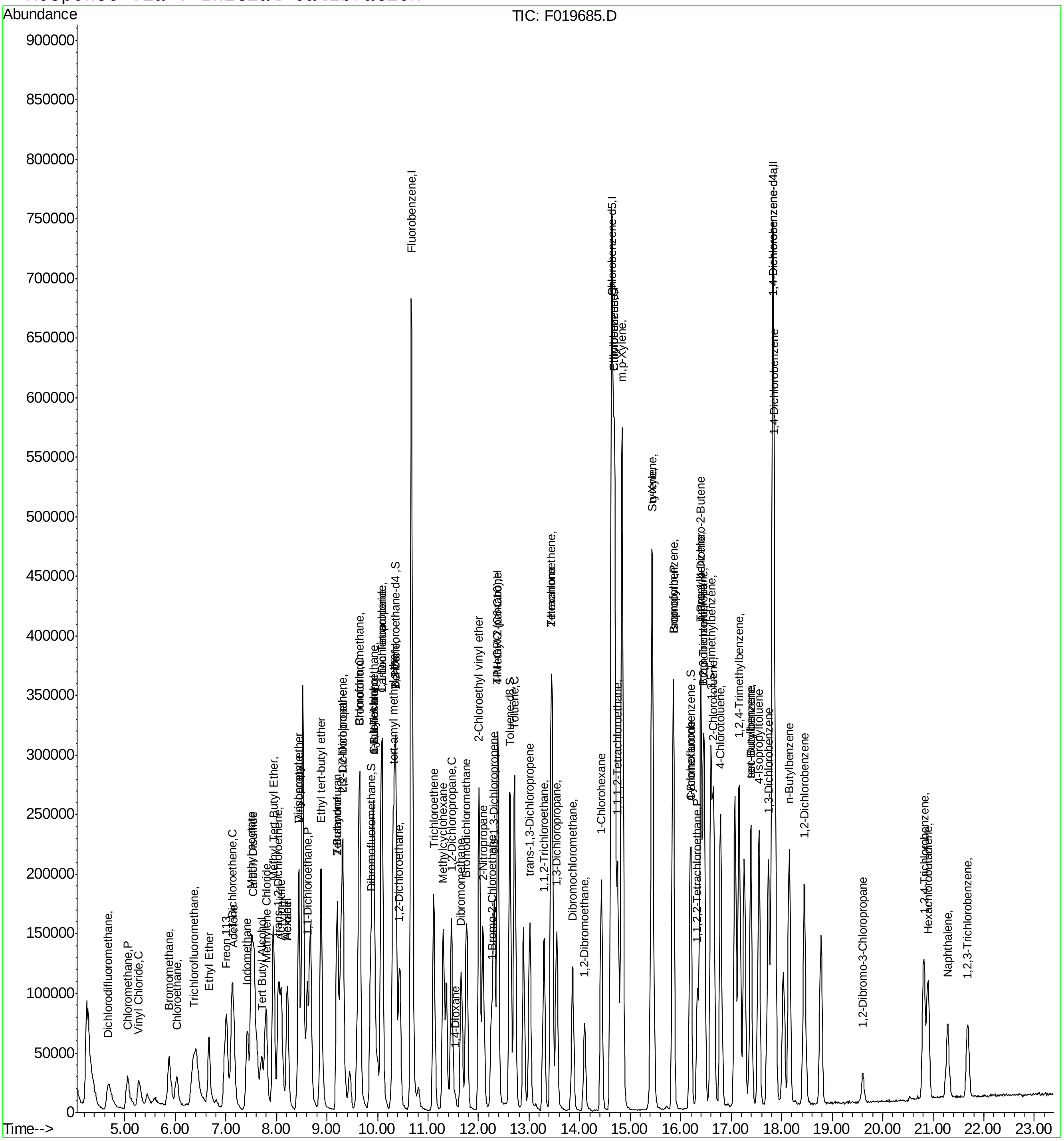


Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Laidlaw
09/15/09 17:42

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019686.D Vial: 6
Acq On : 14 Sep 2009 2:31 pm Operator: AnjanaP
Sample : icc3547-40 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 15 09:01:13 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Tue Sep 15 08:59:11 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.67	96	954577	50.00	ug/L	0.00
53) Chlorobenzene-d5	14.64	117	701182	50.00	ug/L	0.00
71) 1,4-Dichlorobenzene-d4	17.83	152	427426	50.00	ug/L	0.00
96) 1,4-Dichlorobenzene-d4a	17.83	152	427426	50.00	ug/kg	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	9.87	113	238951	42.22	ug/L	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 84.44%			
38) 1,2-Dichloroethane-d4	10.34	65	335120	42.13	ug/L	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 84.26%			
54) Toluene-d8	12.62	98	639112	38.02	ug/L	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 76.04%#			
74) 4-Bromofluorobenzene	16.19	95	316247	39.25	ug/L	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 78.50%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.67	85	266054	49.63	ug/L	100
3) Chloromethane	5.06	50	264669	55.33	ug/L	100
4) Vinyl Chloride	5.29	62	214010	53.60	ug/L	100
5) Bromomethane	5.87	94	144081	47.44	ug/L	100
6) Chloroethane	6.02	64	105128	41.24	ug/L	100
7) Trichlorofluoromethane	6.37	101	343377	41.45	ug/L	100
8) Acrolein	8.21	56	77736	187.87	ug/L	100
9) Ethyl Ether	6.67	59	140119	40.75	ug/L	100
10) 1,1-Dichloroethene	7.12	61	270698	40.47	ug/L	100
11) Freon 113	7.01	101	168400	39.16	ug/L	100
12) Acetone	7.15	43	270151	217.67	ug/L	100
13) Iodomethane	7.43	142	326886	44.08	ug/L	100
14) Methyl acetate	7.51	43	550559	200.22	ug/L	100
15) Carbon Disulfide	7.55	76	527377	40.02	ug/L	100
16) Methylene Chloride	7.79	49	234689	41.84	ug/L	100
17) Tert Butyl Alcohol	7.70	59	165114	414.56	ug/L	100
18) trans-1,2-Dichloroethene	8.05	61	259932	41.69	ug/L	100
19) Acrylonitrile	8.11	53	209357	187.55	ug/L	100
20) Methyl Tert Butyl Ether	7.94	73	589203	41.71	ug/L	100
21) Hexane	8.21	57	125799	36.52	ug/L	100
22) 1,1-Dichloroethane	8.61	63	331206	42.05	ug/L	100
23) Vinyl acetate	8.44	43	288967	207.54	ug/L	100
24) Di-isopropyl ether	8.44	45	625383	40.58	ug/L	100
25) Ethyl tert-butyl ether	8.88	59	647936	42.79	ug/L	100
26) 2,2-Dichloropropane	9.30	77	269268	41.41	ug/L	100
27) cis-1,2-Dichloroethene	9.32	96	225201	41.55	ug/L	100
28) 2-Butanone	9.21	43	1126152	211.05	ug/L	100
29) Bromochloromethane	9.64	128	117515	43.80	ug/L	100
30) Chloroform	9.65	83	450607	43.16	ug/L	100
31) Tetrahydrofuran	9.21	42	110558	47.27	ug/L	100
32) 1,1,1-Trichloroethane	9.91	97	382857	42.54	ug/L	100
34) Cyclohexane	9.93	56	207457	38.31	ug/L	100
35) n-Butyl Alcohol	9.93	43	17974	362.44	ug/L	100
36) 1,1-Dichloropropene	10.08	75	274753	40.98	ug/L	100

(#) = qualifier out of range (m) = manual integration
F019686.D VF3547.M Tue Sep 15 09:55:50 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019686.D Vial: 6
Acq On : 14 Sep 2009 2:31 pm Operator: AnjanaP
Sample : icc3547-40 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 15 09:01:13 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Tue Sep 15 08:59:11 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
37)	Carbon Tetrachloride	10.08	117	328366	41.87 ug/L		100
39)	Benzene	10.36	78	627345	40.05 ug/L		100
40)	1,2-Dichloroethane	10.44	62	387366	42.62 ug/L		100
41)	tert-amyl methyl ether	10.31	73	579503	40.63 ug/L		100
42)	Trichloroethene	11.12	95	220655	41.78 ug/L		100
43)	Methylcyclohexane	11.30	83	192623	38.17 ug/L		100
44)	1,2-Dichloropropane	11.46	63	154466	40.07 ug/L		100
45)	Dibromomethane	11.66	93	157548	42.45 ug/L		100
46)	1,4-Dioxane	11.54	88	33481	865.16 ug/L		100
47)	Bromodichloromethane	11.77	83	378507	42.01 ug/L		100
48)	2-Nitropropane	12.09	41	394910	207.67 ug/L		100
49)	2-Chloroethyl vinyl ether	12.01	63	418987	211.18 ug/L		100
50)	1-Bromo-2-Chloroethane	12.26	63	224066	39.80 uL/L		100
51)	4-Methyl-2-pentanone	12.39	43	734477	197.20 ug/L		100
52)	cis-1,3-Dichloropropene	12.31	75	350871	41.68 ug/L		100
55)	Toluene	12.71	91	733307	38.99 ug/L		100
56)	trans-1,3-Dichloropropene	13.02	75	337363	41.35 ug/L		100
57)	1,1,2-Trichloroethane	13.29	83	138375	39.30 ug/L		100
58)	Tetrachloroethene	13.44	166	226077	38.24 ug/L		100
59)	2-hexanone	13.45	43	538811	199.75 ug/L		100
60)	1,3-Dichloropropane	13.55	76	310231	39.19 ug/L		100
61)	Dibromochloromethane	13.86	129	255260	42.06 ug/L		100
62)	1,2-Dibromoethane	14.10	107	198888	40.22 ug/L		100
63)	1-Chlorohexane	14.43	91	261886	39.72 ug/L		100
64)	Chlorobenzene	14.68	112	499033	39.99 ug/L		100
65)	1,1,1,2-Tetrachloroethane	14.76	131	224581	41.62 ug/L		100
66)	Ethylbenzene	14.70	91	939005	40.10 ug/L		100
67)	m,p-Xylene	14.84	91	1470428	81.60 ug/L		100
68)	o-Xylene	15.43	91	770587	41.11 ug/L		100
69)	Styrene	15.45	104	552734	41.46 ug/L		100
70)	Bromoform	15.85	173	184700	42.77 ug/L		100
72)	Isopropylbenzene	15.85	105	739251	38.20 ug/L		100
73)	Cyclohexanone	16.18	55	31173	191.85 ug/L		100
75)	Bromobenzene	16.46	156	267664	38.69 ug/L		100
76)	1,1,2,2-Tetrachloroethane	16.33	83	203689	38.51 ug/L		100
77)	Trans-1,4-Dichloro-2-Buten	16.40	53	82619	42.19 ug/L	#	100
78)	1,2,3-Trichloropropane	16.46	110	78380	38.87 ug/L		100
79)	n-Propylbenzene	16.40	91	1023147	38.57 ug/L		100
80)	2-Chlorotoluene	16.65	91	754964	38.29 ug/L		100
81)	4-Chlorotoluene	16.79	91	710555	38.58 ug/L		100
82)	1,3,5-Trimethylbenzene	16.60	105	683562	38.94 ug/L		100
83)	sec-Butylbenzene	17.39	105	743028	38.38 ug/L		100
84)	1,3-Dichlorobenzene	17.74	146	426987	39.52 ug/L		100
85)	4-Isopropyltoluene	17.55	119	606270	38.52 ug/L		100
86)	1,4-Dichlorobenzene	17.87	146	450731	40.49 ug/L		100
87)	tert-Butylbenzene	17.39	91	135012	40.48 ug/L		100
88)	n-Butylbenzene	18.15	91	617060	40.50 ug/L		100
89)	1,2-Dichlorobenzene	18.45	146	422157	41.63 ug/L		100
90)	1,2,4-Trimethylbenzene	17.16	105	735859	39.22 ug/L		100

(#) = qualifier out of range (m) = manual integration
F019686.D VF3547.M Tue Sep 15 09:55:50 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019686.D Vial: 6
Acq On : 14 Sep 2009 2:31 pm Operator: AnjanaP
Sample : icc3547-40 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 15 09:01:13 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Tue Sep 15 08:59:11 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

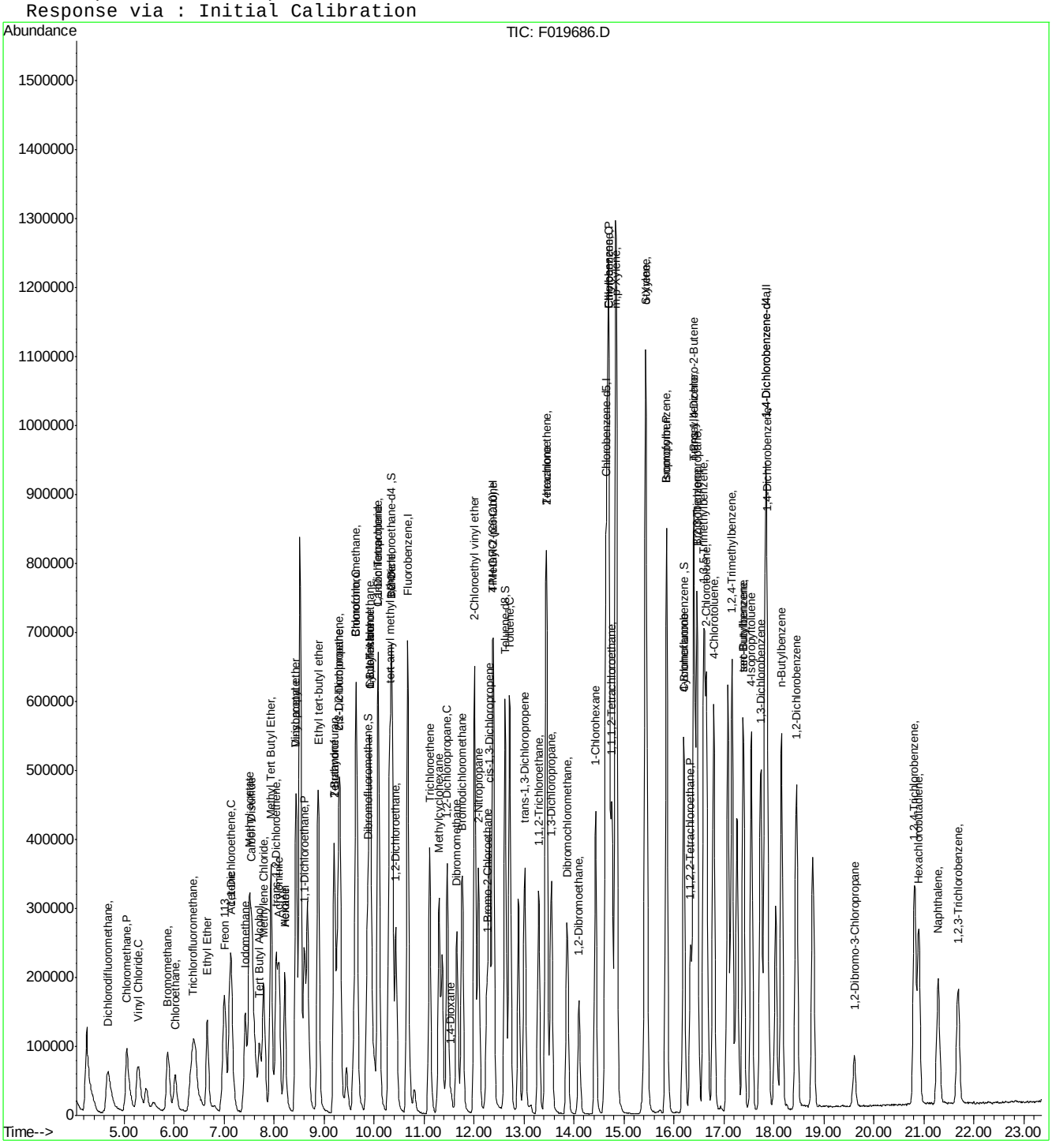
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	1,2-Dibromo-3-Chloropropan	19.60	75	43953	50.61	ug/L	100
92)	1,2,4-Trichlorobenzene	20.82	180	248461	49.42	ug/L	100
93)	Hexachlorobutadiene	20.90	225	111950	49.69	ug/L	100
94)	Naphthalene	21.28	128	367955	50.16	ug/L	100
95)	1,2,3-Trichlorobenzene	21.69	180	137998	50.22	ug/L	100
97)	TPH-GRO (C6-C10)	12.39	TIC	76500698m	1791.76	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019686.D Vial: 6
Acq On : 14 Sep 2009 2:31 pm Operator: AnjanaP
Sample : icc3547-40 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 15 9:01 2009 Quant Results File: VF3547.RES

Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Tue Sep 15 08:59:11 2009
Response via : Initial Calibration



ACCUTEST Laboratories T39513

Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Laidlaw
09/15/09 17:42

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019687.D Vial: 7
Acq On : 14 Sep 2009 3:01 pm Operator: AnjanaP
Sample : ic3547-100 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:12:57 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:12:51 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.67	96	1439708	50.00	ug/L	0.00
53) Chlorobenzene-d5	14.64	117	1021100	50.00	ug/L	0.00
71) 1,4-Dichlorobenzene-d4	17.83	152	540849	50.00	ug/L	0.00
96) 1,4-Dichlorobenzene-d4a	17.83	152	540849	50.00	ug/kg	0.00

System Monitoring Compounds

33) Dibromofluoromethane	9.87	113	807310	92.60	ug/L	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 185.20%#			
38) 1,2-Dichloroethane-d4	10.34	65	1063847	84.60	ug/L	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 169.20%#			
54) Toluene-d8	12.62	98	2357599	95.89	ug/L	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 191.78%#			
74) 4-Bromofluorobenzene	16.19	95	1035681	95.08	ug/L	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 190.16%#			

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	4.68	85	713289	84.53	ug/L	99
3) Chloromethane	5.07	50	676020	87.04	ug/L	99
4) Vinyl Chloride	5.28	62	559205	73.01	ug/L	98
5) Bromomethane	5.87	94	428867	73.74	ug/L	98
6) Chloroethane	6.02	64	358141	92.25	ug/L	99
7) Trichlorofluoromethane	6.37	101	1111860	87.27	ug/L	100
8) Acrolein	8.21	56	316751	508.45	ug/L	96
9) Ethyl Ether	6.66	59	485395	91.81	ug/L	97
10) 1,1-Dichloroethene	7.12	61	943733	91.89	ug/L	99
11) Freon 113	7.01	101	591511	93.75	ug/L	96
12) Acetone	7.15	43	916749	469.37	ug/L	93
13) Iodomethane	7.43	142	1065520	93.20	ug/L	95
14) Methyl acetate	7.51	43	2089611	452.08	ug/L	99
15) Carbon Disulfide	7.55	76	1936962	97.23	ug/L	98
16) Methylene Chloride	7.79	49	837904	81.02	ug/L	97
17) Tert Butyl Alcohol	7.71	59	567512	921.23	ug/L	63
18) trans-1,2-Dichloroethene	8.05	61	910208	95.77	ug/L	97
19) Acrylonitrile	8.10	53	891951	544.90	ug/L	96
20) Methyl Tert Butyl Ether	7.94	73	1987039	90.71	ug/L	98
21) Hexane	8.21	57	518176	99.67	ug/L	92
22) 1,1-Dichloroethane	8.61	63	1116164	92.16	ug/L	97
23) Vinyl acetate	8.44	43	997670	461.82	ug/L	98
24) Di-isopropyl ether	8.44	45	2301021	98.74	ug/L	96
25) Ethyl tert-butyl ether	8.88	59	2225120	96.26	ug/L	99
26) 2,2-Dichloropropane	9.30	77	825455	78.15	ug/L	98
27) cis-1,2-Dichloroethene	9.32	96	765941	91.84	ug/L	98
28) 2-Butanone	9.20	43	4120207	515.98	ug/L	100
29) Bromochloromethane	9.64	128	402863	99.20	ug/L	95
30) Chloroform	9.65	83	1462582	89.73	ug/L	99
31) Tetrahydrofuran	9.21	42	346654	84.06	ug/L	99
32) 1,1,1-Trichloroethane	9.91	97	1231951	86.95	ug/L	100
34) Cyclohexane	9.93	56	848602	105.12	ug/L	91
35) n-Butyl Alcohol	9.93	43	79420	1236.15	ug/L #	85
36) 1,1-Dichloropropene	10.08	75	986569	96.04	ug/L	93

(#) = qualifier out of range (m) = manual integration
F019687.D VF3547.M Tue Sep 15 09:55:53 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019687.D Vial: 7
Acq On : 14 Sep 2009 3:01 pm Operator: AnjanaP
Sample : ic3547-100 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:12:57 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:12:51 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37)	Carbon Tetrachloride	10.08	117	1071023	86.87	ug/L		98
39)	Benzene	10.36	78	2409380	102.15	ug/L		94
40)	1,2-Dichloroethane	10.44	62	1253971	87.79	ug/L		98
41)	tert-amyl methyl ether	10.31	73	2101536	96.23	ug/L		96
42)	Trichloroethene	11.12	95	785129	73.10	ug/L		97
43)	Methylcyclohexane	11.30	83	795530	105.60	ug/L		98
44)	1,2-Dichloropropane	11.46	63	599569	104.52	ug/L		88
45)	Dibromomethane	11.66	93	549422	96.98	ug/L		99
46)	1,4-Dioxane	11.55	88	131960	2102.77	ug/L		94
47)	Bromodichloromethane	11.77	83	1289830	92.39	ug/L		99
48)	2-Nitropropane	12.09	41	1247322	409.05	ug/L		97
49)	2-Chloroethyl vinyl ether	12.01	63	1693674	596.19	ug/L		97
50)	1-Bromo-2-Chloroethane	12.26	63	881945	105.06	uL/L		99
51)	4-Methyl-2-pentanone	12.39	43	2808613	496.74	ug/L		97
52)	cis-1,3-Dichloropropene	12.31	75	1308043	103.62	ug/L		92
55)	Toluene	12.72	91	2741568	100.37	ug/L		100
56)	trans-1,3-Dichloropropene	13.02	75	1201341	101.31	ug/L		96
57)	1,1,2-Trichloroethane	13.29	83	524828	103.29	ug/L		95
58)	Tetrachloroethene	13.44	166	837164	96.21	ug/L		99
59)	2-hexanone	13.46	43	2024231	518.47	ug/L		95
60)	1,3-Dichloropropane	13.55	76	1176042	102.56	ug/L		92
61)	Dibromochloromethane	13.86	129	889491	100.93	ug/L		100
62)	1,2-Dibromoethane	14.10	107	739771	103.91	ug/L		98
63)	1-Chlorohexane	14.43	91	999319	105.49	ug/L		92
64)	Chlorobenzene	14.68	112	1823936	100.40	ug/L		94
65)	1,1,1,2-Tetrachloroethane	14.76	131	756339	94.65	ug/L		97
66)	Ethylbenzene	14.70	91	3287572	94.78	ug/L		98
67)	m,p-Xylene	14.85	91	5105857	191.53	ug/L		96
68)	o-Xylene	15.43	91	2681391	97.16	ug/L		97
69)	Styrene	15.45	104	2052872	107.85	ug/L		95
70)	Bromoform	15.85	173	622075	98.47	ug/L		97
72)	Isopropylbenzene	15.86	105	2602686	108.28	ug/L		98
73)	Cyclohexanone	16.18	55	108933	567.14	ug/L		92
75)	Bromobenzene	16.46	156	900545	103.35	ug/L		98
76)	1,1,2,2-Tetrachloroethane	16.33	83	707704	107.29	ug/L		99
77)	Trans-1,4-Dichloro-2-Buten	16.40	53	256272	104.12	ug/L	#	96
78)	1,2,3-Trichloropropane	16.46	110	259666	101.72	ug/L		90
79)	n-Propylbenzene	16.40	91	3495623	104.87	ug/L		100
80)	2-Chlorotoluene	16.65	91	2485836	98.74	ug/L		98
81)	4-Chlorotoluene	16.79	91	2358816	100.97	ug/L		96
82)	1,3,5-Trimethylbenzene	16.60	105	2301625	104.48	ug/L		100
83)	sec-Butylbenzene	17.40	105	2537476	104.04	ug/L		100
84)	1,3-Dichlorobenzene	17.74	146	1406651	103.12	ug/L		98
85)	4-Isopropyltoluene	17.55	119	2054969	103.55	ug/L		99
86)	1,4-Dichlorobenzene	17.87	146	1438104	102.21	ug/L		99
87)	tert-Butylbenzene	17.39	91	430884	103.50	ug/L		96
88)	n-Butylbenzene	18.15	91	1930950	99.13	ug/L		99
89)	1,2-Dichlorobenzene	18.46	146	1289612	99.82	ug/L		97
90)	1,2,4-Trimethylbenzene	17.17	105	2464214	104.50	ug/L		99

(#) = qualifier out of range (m) = manual integration
F019687.D VF3547.M Tue Sep 15 09:55:54 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019687.D Vial: 7
Acq On : 14 Sep 2009 3:01 pm Operator: AnjanaP
Sample : ic3547-100 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:12:57 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:12:51 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	1,2-Dibromo-3-Chloropropan	19.61	75	108606	77.50	ug/L	85
92)	1,2,4-Trichlorobenzene	20.82	180	634056	90.38	ug/L	98
93)	Hexachlorobutadiene	20.90	225	288330	75.43	ug/L	96
94)	Naphthalene	21.28	128	927652	88.41	ug/L	98
95)	1,2,3-Trichlorobenzene	21.69	180	343273	76.28	ug/L	98
97)	TPH-GRO (C6-C10)	12.39	TIC	262314999m	5167.96	ug/kg	

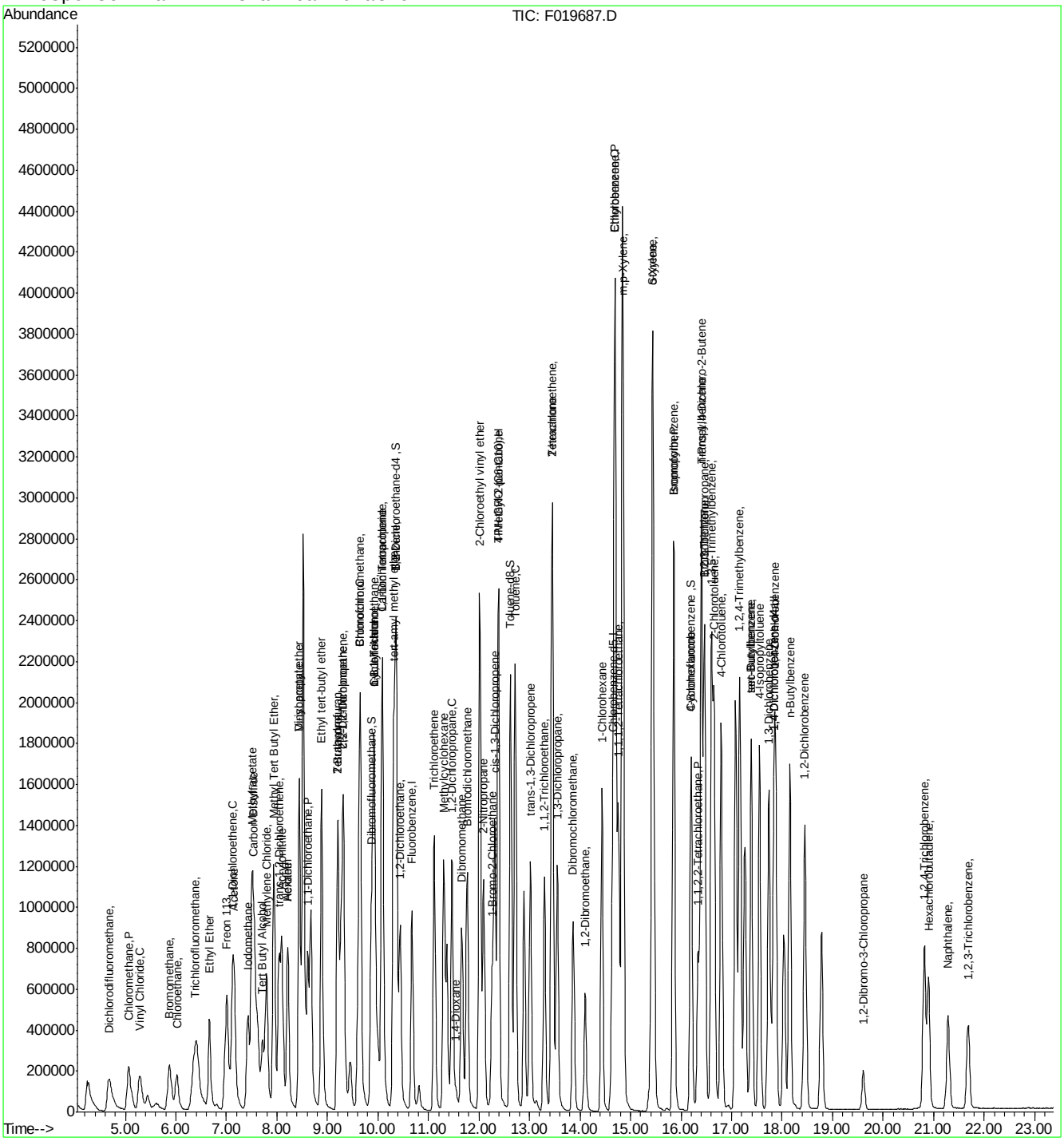
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ACCUTEST Laboratories T39513

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019687.D Vial: 7
Acq On : 14 Sep 2009 3:01 pm Operator: AnjanaP
Sample : ic3547-100 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:12 2009 Quant Results File: VF3547.RES

Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Tue Sep 15 08:59:11 2009
Response via : Initial Calibration



F019687.D VF3547.M Tue Sep 15 09:55:56 2009 Page 4

ACCUTEST Laboratories T39513

F019688.D

Manual Integrations APPROVED (compounds with "m" flag)

Jennifer Laidlaw 09/15/09 17:42

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019688.D Vial: 8
Acq On : 14 Sep 2009 3:31 pm Operator: AnjanaP
Sample : ic3547-200 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:13:53 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:13:36 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.67	96	1476971	50.00	ug/L	0.00
53) Chlorobenzene-d5	14.64	117	1025997	50.00	ug/L	0.00
71) 1,4-Dichlorobenzene-d4	17.83	152	548707	50.00	ug/L	0.00
96) 1,4-Dichlorobenzene-d4a	17.83	152	548707	50.00	ug/kg	0.00

System Monitoring Compounds						
33) Dibromofluoromethane	9.87	113	1659796	187.90	ug/L	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 375.80%#			
38) 1,2-Dichloroethane-d4	10.34	65	2146010	170.73	ug/L	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 341.46%#			
54) Toluene-d8	12.62	98	4995482	203.60	ug/L	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 407.20%#			
74) 4-Bromofluorobenzene	16.19	95	2098803	191.49	ug/L	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 382.98%#			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.68	85	1492242	176.93	ug/L	96
3) Chloromethane	5.07	50	1457668	186.98	ug/L	98
4) Vinyl Chloride	5.28	62	1220567	204.89	ug/L	96
5) Bromomethane	5.84	94	915186	160.41	ug/L	98
6) Chloroethane	6.01	64	793056	214.12	ug/L	99
7) Trichlorofluoromethane	6.35	101	2434945	211.03	ug/L	100
8) Acrolein	8.21	56	636030	992.40	ug/L	96
9) Ethyl Ether	6.66	59	1028447	192.23	ug/L	99
10) 1,1-Dichloroethene	7.12	61	2017355	194.10	ug/L	98
11) Freon 113	7.01	101	1303615	214.21	ug/L	94
12) Acetone	7.16	43	1840933	979.10	ug/L	92
13) Iodomethane	7.43	142	2147119	185.16	ug/L	94
14) Methyl acetate	7.51	43	4294360	920.34	ug/L	98
15) Carbon Disulfide	7.54	76	4135455	203.28	ug/L	97
16) Methylene Chloride	7.80	49	1712823	166.71	ug/L	99
17) Tert Butyl Alcohol	7.73	59	1143348	1833.21	ug/L	77
18) trans-1,2-Dichloroethene	8.05	61	1888547	195.08	ug/L	98
19) Acrylonitrile	8.11	53	1863395	1093.28	ug/L	96
20) Methyl Tert Butyl Ether	7.94	73	4050248	183.06	ug/L	97
21) Hexane	8.21	57	1065780	199.93	ug/L	89
22) 1,1-Dichloroethane	8.61	63	2348984	191.56	ug/L	96
23) Vinyl acetate	8.45	43	1952353	892.30	ug/L	97
24) Di-isopropyl ether	8.44	45	4754627	199.29	ug/L	94
25) Ethyl tert-butyl ether	8.88	59	4524258	191.99	ug/L	98
26) 2,2-Dichloropropane	9.30	77	1556808	149.10	ug/L	96
27) cis-1,2-Dichloroethene	9.33	96	1613625	191.19	ug/L	93
28) 2-Butanone	9.21	43	8380228	1017.58	ug/L	100
29) Bromochloromethane	9.64	128	819400	196.95	ug/L	96
30) Chloroform	9.65	83	2893627	176.06	ug/L	99
31) Tetrahydrofuran	9.21	42	701728	193.50	ug/L	97
32) 1,1,1-Trichloroethane	9.91	97	2429943	170.89	ug/L	99
34) Cyclohexane	9.94	56	1706287	204.29	ug/L	91
35) n-Butyl Alcohol	9.93	43	152172	1904.44	ug/L #	84
36) 1,1-Dichloropropene	10.08	75	1960437	187.26	ug/L	92

(#) = qualifier out of range (m) = manual integration
F019688.D VF3547.M Tue Sep 15 09:55:56 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019688.D Vial: 8
Acq On : 14 Sep 2009 3:31 pm Operator: AnjanaP
Sample : ic3547-200 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:13:53 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:13:36 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37)	Carbon Tetrachloride	10.08	117	2141524	173.11	ug/L		98
39)	Benzene	10.36	78	4786563	197.10	ug/L		95
40)	1,2-Dichloroethane	10.44	62	2460607	171.40	ug/L		97
41)	tert-amyl methyl ether	10.31	73	4180960	187.79	ug/L		97
42)	Trichloroethene	11.12	95	1598004	151.83	ug/L		98
43)	Methylcyclohexane	11.30	83	1569193	201.16	ug/L		99
44)	1,2-Dichloropropane	11.47	63	1234605	208.23	ug/L		86
45)	Dibromomethane	11.66	93	1100434	190.29	ug/L		98
46)	1,4-Dioxane	11.55	88	269055	3961.68	ug/L		92
47)	Bromodichloromethane	11.77	83	2550542	180.37	ug/L		100
48)	2-Nitropropane	12.10	41	2395577	789.74	ug/L		97
49)	2-Chloroethyl vinyl ether	12.01	63	3441389	1144.15	ug/L		98
50)	1-Bromo-2-Chloroethane	12.26	63	1773914	204.27	uL/L		99
51)	4-Methyl-2-pentanone	12.39	43	5575494	962.26	ug/L		96
52)	cis-1,3-Dichloropropene	12.32	75	2601305	199.67	ug/L		90
55)	Toluene	12.72	91	5568197	202.75	ug/L		99
56)	trans-1,3-Dichloropropene	13.02	75	2382181	199.49	ug/L		95
57)	1,1,2-Trichloroethane	13.30	83	1051897	204.91	ug/L		93
58)	Tetrachloroethene	13.44	166	1684894	193.94	ug/L		99
59)	2-hexanone	13.46	43	3946765	999.92	ug/L		94
60)	1,3-Dichloropropane	13.55	76	2330148	201.38	ug/L		92
61)	Dibromochloromethane	13.87	129	1789924	201.82	ug/L		99
62)	1,2-Dibromoethane	14.10	107	1490475	207.01	ug/L		98
63)	1-Chlorohexane	14.43	91	1980649	206.19	ug/L		93
64)	Chlorobenzene	14.69	112	3643366	199.46	ug/L		95
65)	1,1,1,2-Tetrachloroethane	14.76	131	1505471	189.18	ug/L		95
66)	Ethylbenzene	14.70	91	6513282	188.52	ug/L		99
67)	m,p-Xylene	14.85	91	9998480	375.93	ug/L		96
68)	o-Xylene	15.43	91	5281271	191.35	ug/L		97
69)	Styrene	15.46	104	4058969	209.48	ug/L		91
70)	Bromoform	15.85	173	1248450	197.18	ug/L		97
72)	Isopropylbenzene	15.86	105	5112837	206.82	ug/L		98
73)	Cyclohexanone	16.19	55	209175	954.19	ug/L		95
75)	Bromobenzene	16.47	156	1767695	198.85	ug/L		97
76)	1,1,2,2-Tetrachloroethane	16.34	83	1378777	203.56	ug/L		99
77)	Trans-1,4-Dichloro-2-Buten	16.41	53	502682	199.94	ug/L	#	96
78)	1,2,3-Trichloropropane	16.46	110	507411	195.37	ug/L		92
79)	n-Propylbenzene	16.40	91	6771023	198.62	ug/L		100
80)	2-Chlorotoluene	16.66	91	4850993	190.33	ug/L		98
81)	4-Chlorotoluene	16.79	91	4613606	194.34	ug/L		96
82)	1,3,5-Trimethylbenzene	16.61	105	4528891	201.13	ug/L		98
83)	sec-Butylbenzene	17.39	105	4898318	196.64	ug/L		100
84)	1,3-Dichlorobenzene	17.74	146	2726747	196.01	ug/L		98
85)	4-Isopropyltoluene	17.55	119	3982704	196.64	ug/L		100
86)	1,4-Dichlorobenzene	17.87	146	2812589	196.31	ug/L		99
87)	tert-Butylbenzene	17.39	91	832680	191.43	ug/L		91
88)	n-Butylbenzene	18.15	91	3703796	187.69	ug/L		98
89)	1,2-Dichlorobenzene	18.46	146	2500221	190.81	ug/L		96
90)	1,2,4-Trimethylbenzene	17.17	105	4794167	198.90	ug/L		99

(#) = qualifier out of range (m) = manual integration
F019688.D VF3547.M Tue Sep 15 09:55:57 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019688.D Vial: 8
Acq On : 14 Sep 2009 3:31 pm Operator: AnjanaP
Sample : ic3547-200 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:13:53 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:13:36 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

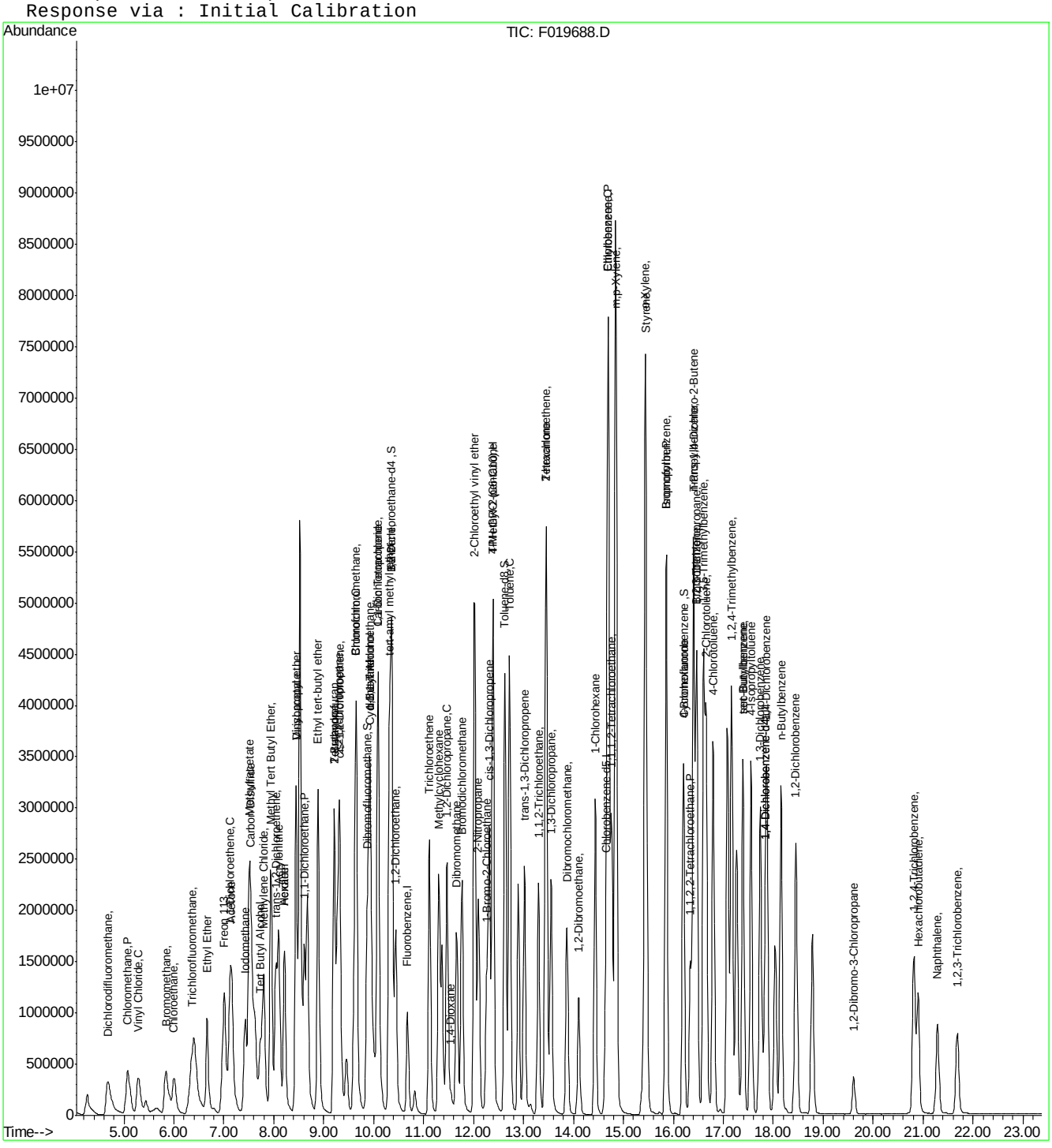
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91) 1,2-Dibromo-3-Chloropropan	19.61	75	209616	153.18	ug/L	87
92) 1,2,4-Trichlorobenzene	20.82	180	1235269	176.39	ug/L	100
93) Hexachlorobutadiene	20.90	225	536202	144.17	ug/L	97
94) Naphthalene	21.28	128	1803651	172.78	ug/L	100
95) 1,2,3-Trichlorobenzene	21.68	180	669734	152.72	ug/L	98
97) TPH-GRO (C6-C10)	12.39	TIC	547322666m	8238.03	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed
F019688.D VF3547.M Tue Sep 15 09:55:57 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019688.D Vial: 8
Acq On : 14 Sep 2009 3:31 pm Operator: AnjanaP
Sample : ic3547-200 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:13 2009 Quant Results File: VF3547.RES

Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Tue Sep 15 08:59:11 2009
Response via : Initial Calibration



ACCUTEST Laboratories T39513

Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Laidlaw
09/15/09 17:42

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019690.D Vial: 10
Acq On : 14 Sep 2009 4:31 pm Operator: AnjanaP
Sample : icv3547-40 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:21:12 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:20:48 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.67	96	1373790	50.00	ug/L	0.00
53) Chlorobenzene-d5	14.64	117	980668	50.00	ug/L	0.00
71) 1,4-Dichlorobenzene-d4	17.83	152	560245	50.00	ug/L	0.00
96) 1,4-Dichlorobenzene-d4a	17.83	152	560245	50.00	ug/kg	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	9.87	113	359851	44.18	ug/L	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 88.36%			
38) 1,2-Dichloroethane-d4	10.34	65	473223	41.34	ug/L	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 82.68%			
54) Toluene-d8	12.62	98	1106653	47.07	ug/L	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 94.14%			
74) 4-Bromofluorobenzene	16.20	95	486748	45.98	ug/L	0.01
Spiked Amount 50.000	Range 80 - 133		Recovery = 91.96%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.67	85	192937	25.01	ug/L	93
3) Chloromethane	5.06	50	248207	35.60	ug/L	96
4) Vinyl Chloride	5.28	62	210341	35.92	ug/L	96
5) Bromomethane	5.88	94	169958	38.53	ug/L	98
6) Chloroethane	6.03	64	127170	34.67	ug/L	99
7) Trichlorofluoromethane	6.37	101	375252	31.47	ug/L	99
8) Acrolein	8.21	56	127971	214.90	ug/L	99
9) Ethyl Ether	6.67	59	167179	33.78	ug/L	99
10) 1,1-Dichloroethene	7.12	61	381532	39.63	ug/L	98
11) Freon 113	7.01	101	246918	39.90	ug/L	96
12) Acetone	7.15	43	353713	197.04	ug/L	90
13) Iodomethane	7.43	142	458179	42.93	ug/L	94
14) Methyl acetate	7.51	43	785474	198.50	ug/L	97
15) Carbon Disulfide	7.55	76	831950	43.86	ug/L	98
16) Methylene Chloride	7.79	49	320141	39.63	ug/L	99
17) Tert Butyl Alcohol	7.71	59	210067	366.48	ug/L	92
18) trans-1,2-Dichloroethene	8.05	61	369280	41.15	ug/L	98
19) Acrylonitrile	8.11	53	344422	214.40	ug/L	96
20) Methyl Tert Butyl Ether	7.94	73	773244	38.03	ug/L	97
21) Hexane	8.22	57	215854	43.54	ug/L	88
22) 1,1-Dichloroethane	8.61	63	437518	38.59	ug/L	96
23) Vinyl acetate	8.44	43	374583	186.93	ug/L	97
24) Di-isopropyl ether	8.44	45	885451	39.92	ug/L	96
25) Ethyl tert-butyl ether	8.88	59	830768	38.12	ug/L	98
26) 2,2-Dichloropropane	9.30	77	321175	34.32	ug/L	97
27) cis-1,2-Dichloroethene	9.33	96	295716	37.91	ug/L	95
28) 2-Butanone	9.21	43	1536273	200.05	ug/L	100
29) Bromochloromethane	9.64	128	153249	39.69	ug/L	88
30) Chloroform	9.65	83	551988	36.74	ug/L	99
31) Tetrahydrofuran	9.21	42	133158	39.30	ug/L	99
32) 1,1,1-Trichloroethane	9.92	97	460991	35.60	ug/L	97
34) Cyclohexane	9.93	56	337871	43.36	ug/L	92
35) n-Butyl Alcohol	9.94	43	27949	391.56	ug/L #	77
36) 1,1-Dichloropropene	10.08	75	368194	38.16	ug/L	96

(#) = qualifier out of range (m) = manual integration
F019690.D VF3547.M Tue Sep 15 09:56:00 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019690.D Vial: 10
Acq On : 14 Sep 2009 4:31 pm Operator: AnjanaP
Sample : icv3547-40 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:21:12 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:20:48 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37)	Carbon Tetrachloride	10.08	117	398571	35.32	ug/L		99
39)	Benzene	10.37	78	913929	40.54	ug/L		90
40)	1,2-Dichloroethane	10.44	62	465945	35.62	ug/L		98
41)	tert-amyl methyl ether	10.31	73	768253	37.42	ug/L		97
42)	Trichloroethene	11.12	95	298728	39.23	ug/L		98
43)	Methylcyclohexane	11.30	83	305984	42.14	ug/L		98
44)	1,2-Dichloropropane	11.47	63	228436	41.18	ug/L		89
45)	Dibromomethane	11.66	93	203805	38.15	ug/L		98
46)	1,4-Dioxane	11.54	88	49048	880.66	ug/L		91
47)	Bromodichloromethane	11.77	83	456093	35.17	ug/L		100
48)	2-Nitropropane	12.09	41	501123	183.11	ug/L		97
49)	2-Chloroethyl vinyl ether	12.01	63	592457	207.49	ug/L		99
50)	1-Bromo-2-Chloroethane	12.26	63	334615	41.30	uL/L		100
51)	4-Methyl-2-pentanone	12.39	43	1071125	199.82	ug/L		97
52)	cis-1,3-Dichloropropene	12.31	75	479641	39.59	ug/L		92
55)	Toluene	12.72	91	1057431	40.20	ug/L		98
56)	trans-1,3-Dichloropropene	13.02	75	464985	40.75	ug/L		95
57)	1,1,2-Trichloroethane	13.30	83	192826	39.16	ug/L		94
58)	Tetrachloroethene	13.44	166	311594	37.69	ug/L		99
59)	2-hexanone	13.46	43	736532	195.23	ug/L		95
60)	1,3-Dichloropropane	13.55	76	424250	38.32	ug/L		93
61)	Dibromochloromethane	13.86	129	320773	37.79	ug/L		99
62)	1,2-Dibromoethane	14.10	107	275632	39.85	ug/L		99
63)	1-Chlorohexane	14.43	91	375033	40.67	ug/L		95
64)	Chlorobenzene	14.69	112	697906	39.99	ug/L		96
65)	1,1,1,2-Tetrachloroethane	14.76	131	281931	37.35	ug/L		94
66)	Ethylbenzene	14.70	91	1241852	37.92	ug/L		99
67)	m,p-Xylene	14.85	91	1951024	77.41	ug/L		97
68)	o-Xylene	15.43	91	1056520	40.30	ug/L		96
69)	Styrene	15.45	104	761871	40.86	ug/L		96
70)	Bromoform	15.85	173	232880	38.56	ug/L		99
72)	Isopropylbenzene	15.86	105	1068498	42.13	ug/L		97
73)	Cyclohexanone	16.19	55	75906	353.97	ug/L	#	81
75)	Bromobenzene	16.47	156	358461	39.53	ug/L		100
76)	1,1,2,2-Tetrachloroethane	16.33	83	276180	39.83	ug/L		100
77)	Trans-1,4-Dichloro-2-Buten	16.40	53	99652	38.82	ug/L	#	95
78)	1,2,3-Trichloropropane	16.46	110	92253	34.90	ug/L		93
79)	n-Propylbenzene	16.40	91	1391425	40.01	ug/L		99
80)	2-Chlorotoluene	16.66	91	994862	38.50	ug/L		97
81)	4-Chlorotoluene	16.80	91	939398	38.91	ug/L		96
82)	1,3,5-Trimethylbenzene	16.60	105	923721	40.15	ug/L		100
83)	sec-Butylbenzene	17.40	105	1021073	40.24	ug/L		99
84)	1,3-Dichlorobenzene	17.74	146	561076	39.61	ug/L		98
85)	4-Isopropyltoluene	17.55	119	810567	39.29	ug/L		100
86)	1,4-Dichlorobenzene	17.87	146	578151	39.63	ug/L		98
87)	tert-Butylbenzene	17.39	91	173634	39.70	ug/L		92
88)	n-Butylbenzene	18.15	91	749593	37.53	ug/L		99
89)	1,2-Dichlorobenzene	18.46	146	516399	38.85	ug/L		96
90)	1,2,4-Trimethylbenzene	17.17	105	957040	38.92	ug/L		98

(#) = qualifier out of range (m) = manual integration
F019690.D VF3547.M Tue Sep 15 09:56:00 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019690.D Vial: 10
Acq On : 14 Sep 2009 4:31 pm Operator: AnjanaP
Sample : icv3547-40 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:21:12 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:20:48 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

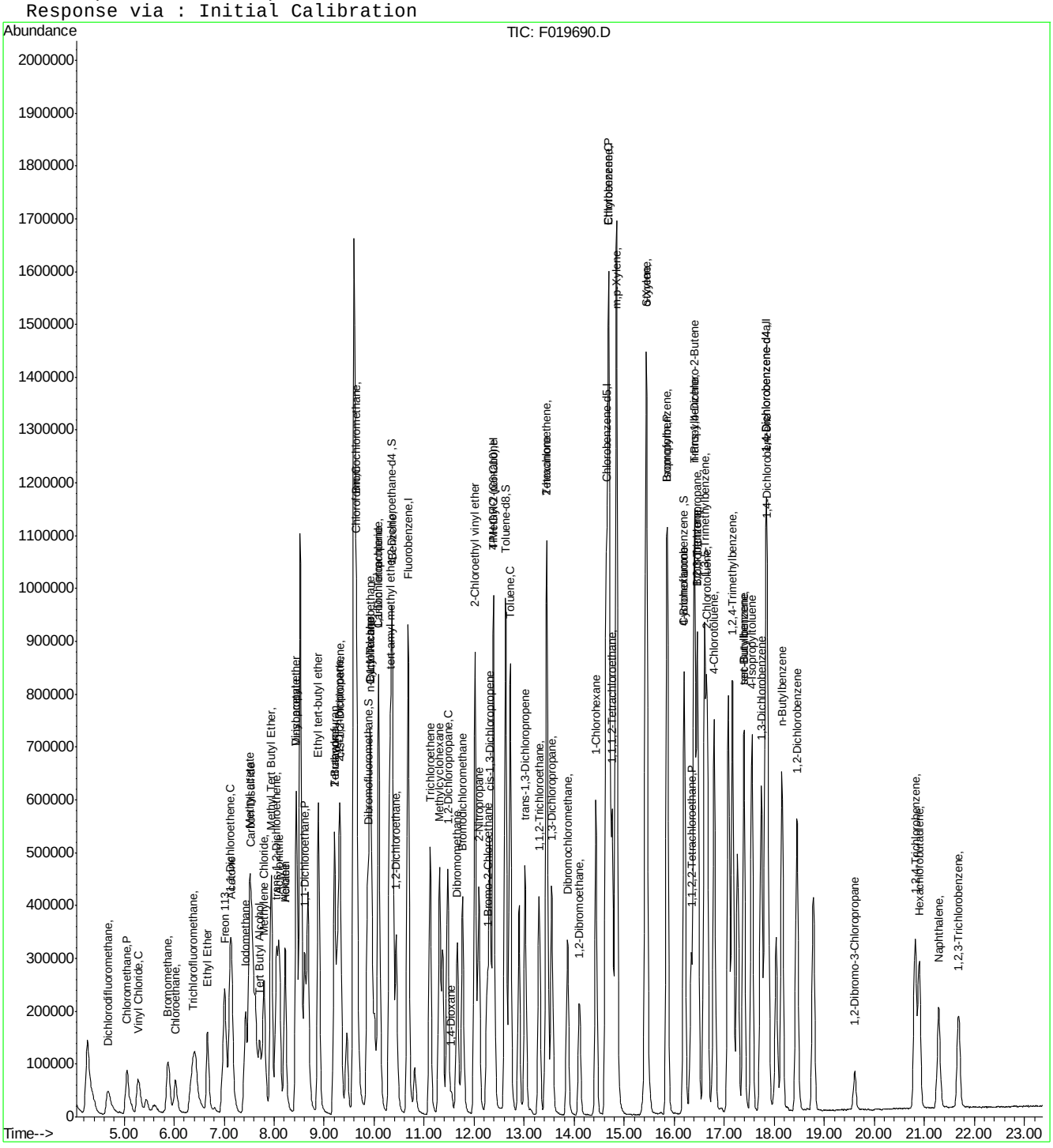
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	1,2-Dibromo-3-Chloropropan	19.61	75	43287	37.19	ug/L	89
92)	1,2,4-Trichlorobenzene	20.82	180	259982	39.02	ug/L	98
93)	Hexachlorobutadiene	20.90	225	124330	41.52	ug/L	98
94)	Naphthalene	21.29	128	388968	40.05	ug/L	100
95)	1,2,3-Trichlorobenzene	21.69	180	150896	41.43	ug/L	99
97)	TPH-GRO (C6-C10)	12.39	TIC	106578563m	1901.22	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019690.D Vial: 10
Acq On : 14 Sep 2009 4:31 pm Operator: AnjanaP
Sample : icv3547-40 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:21 2009 Quant Results File: VF3547.RES

Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Tue Sep 15 08:59:11 2009
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Laidlaw
09/15/09 17:42

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019690.D Vial: 10
Acq On : 14 Sep 2009 4:31 pm Operator: AnjanaP
Sample : icv3547-40 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:21:12 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:20:48 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.67	96	1373790	50.00	ug/L	0.00
53) Chlorobenzene-d5	14.64	117	980668	50.00	ug/L	0.00
71) 1,4-Dichlorobenzene-d4	17.83	152	560245	50.00	ug/L	0.00
96) 1,4-Dichlorobenzene-d4a	17.83	152	560245	50.00	ug/kg	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	9.87	113	359851	44.18	ug/L	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 88.36%			
38) 1,2-Dichloroethane-d4	10.34	65	473223	41.34	ug/L	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 82.68%			
54) Toluene-d8	12.62	98	1106653	47.07	ug/L	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 94.14%			
74) 4-Bromofluorobenzene	16.20	95	486748	45.98	ug/L	0.01
Spiked Amount 50.000	Range 80 - 133		Recovery = 91.96%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.67	85	192937	25.01	ug/L	93
3) Chloromethane	5.06	50	248207	35.60	ug/L	96
4) Vinyl Chloride	5.28	62	210341	35.92	ug/L	96
5) Bromomethane	5.88	94	169958	38.53	ug/L	98
6) Chloroethane	6.03	64	127170	34.67	ug/L	99
7) Trichlorofluoromethane	6.37	101	375252	31.47	ug/L	99
8) Acrolein	8.21	56	127971	214.90	ug/L	99
9) Ethyl Ether	6.67	59	167179	33.78	ug/L	99
10) 1,1-Dichloroethene	7.12	61	381532	39.63	ug/L	98
11) Freon 113	7.01	101	246918	39.90	ug/L	96
12) Acetone	7.15	43	353713	197.04	ug/L	90
13) Iodomethane	7.43	142	458179	42.93	ug/L	94
14) Methyl acetate	7.51	43	785474	198.50	ug/L	97
15) Carbon Disulfide	7.55	76	831950	43.86	ug/L	98
16) Methylene Chloride	7.79	49	320141	39.63	ug/L	99
17) Tert Butyl Alcohol	7.71	59	210067	366.48	ug/L	92
18) trans-1,2-Dichloroethene	8.05	61	369280	41.15	ug/L	98
19) Acrylonitrile	8.11	53	344422	214.40	ug/L	96
20) Methyl Tert Butyl Ether	7.94	73	773244	38.03	ug/L	97
21) Hexane	8.22	57	215854	43.54	ug/L	88
22) 1,1-Dichloroethane	8.61	63	437518	38.59	ug/L	96
23) Vinyl acetate	8.44	43	374583	186.93	ug/L	97
24) Di-isopropyl ether	8.44	45	885451	39.92	ug/L	96
25) Ethyl tert-butyl ether	8.88	59	830768	38.12	ug/L	98
26) 2,2-Dichloropropane	9.30	77	321175	34.32	ug/L	97
27) cis-1,2-Dichloroethene	9.33	96	295716	37.91	ug/L	95
28) 2-Butanone	9.21	43	1536273	200.05	ug/L	100
29) Bromochloromethane	9.64	128	153249	39.69	ug/L	88
30) Chloroform	9.65	83	551988	36.74	ug/L	99
31) Tetrahydrofuran	9.21	42	133158	39.30	ug/L	99
32) 1,1,1-Trichloroethane	9.92	97	460991	35.60	ug/L	97
34) Cyclohexane	9.93	56	337871	43.36	ug/L	92
35) n-Butyl Alcohol	9.94	43	27949	391.56	ug/L #	77
36) 1,1-Dichloropropene	10.08	75	368194	38.16	ug/L	96

(#) = qualifier out of range (m) = manual integration
F019690.D VF3547.M Tue Sep 15 09:56:00 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019690.D Vial: 10
Acq On : 14 Sep 2009 4:31 pm Operator: AnjanaP
Sample : icv3547-40 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:21:12 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:20:48 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37)	Carbon Tetrachloride	10.08	117	398571	35.32	ug/L		99
39)	Benzene	10.37	78	913929	40.54	ug/L		90
40)	1,2-Dichloroethane	10.44	62	465945	35.62	ug/L		98
41)	tert-amyl methyl ether	10.31	73	768253	37.42	ug/L		97
42)	Trichloroethene	11.12	95	298728	39.23	ug/L		98
43)	Methylcyclohexane	11.30	83	305984	42.14	ug/L		98
44)	1,2-Dichloropropane	11.47	63	228436	41.18	ug/L		89
45)	Dibromomethane	11.66	93	203805	38.15	ug/L		98
46)	1,4-Dioxane	11.54	88	49048	880.66	ug/L		91
47)	Bromodichloromethane	11.77	83	456093	35.17	ug/L		100
48)	2-Nitropropane	12.09	41	501123	183.11	ug/L		97
49)	2-Chloroethyl vinyl ether	12.01	63	592457	207.49	ug/L		99
50)	1-Bromo-2-Chloroethane	12.26	63	334615	41.30	uL/L		100
51)	4-Methyl-2-pentanone	12.39	43	1071125	199.82	ug/L		97
52)	cis-1,3-Dichloropropene	12.31	75	479641	39.59	ug/L		92
55)	Toluene	12.72	91	1057431	40.20	ug/L		98
56)	trans-1,3-Dichloropropene	13.02	75	464985	40.75	ug/L		95
57)	1,1,2-Trichloroethane	13.30	83	192826	39.16	ug/L		94
58)	Tetrachloroethene	13.44	166	311594	37.69	ug/L		99
59)	2-hexanone	13.46	43	736532	195.23	ug/L		95
60)	1,3-Dichloropropane	13.55	76	424250	38.32	ug/L		93
61)	Dibromochloromethane	13.86	129	320773	37.79	ug/L		99
62)	1,2-Dibromoethane	14.10	107	275632	39.85	ug/L		99
63)	1-Chlorohexane	14.43	91	375033	40.67	ug/L		95
64)	Chlorobenzene	14.69	112	697906	39.99	ug/L		96
65)	1,1,1,2-Tetrachloroethane	14.76	131	281931	37.35	ug/L		94
66)	Ethylbenzene	14.70	91	1241852	37.92	ug/L		99
67)	m,p-Xylene	14.85	91	1951024	77.41	ug/L		97
68)	o-Xylene	15.43	91	1056520	40.30	ug/L		96
69)	Styrene	15.45	104	761871	40.86	ug/L		96
70)	Bromoform	15.85	173	232880	38.56	ug/L		99
72)	Isopropylbenzene	15.86	105	1068498	42.13	ug/L		97
73)	Cyclohexanone	16.19	55	75906	353.97	ug/L	#	81
75)	Bromobenzene	16.47	156	358461	39.53	ug/L		100
76)	1,1,2,2-Tetrachloroethane	16.33	83	276180	39.83	ug/L		100
77)	Trans-1,4-Dichloro-2-Buten	16.40	53	99652	38.82	ug/L	#	95
78)	1,2,3-Trichloropropane	16.46	110	92253	34.90	ug/L		93
79)	n-Propylbenzene	16.40	91	1391425	40.01	ug/L		99
80)	2-Chlorotoluene	16.66	91	994862	38.50	ug/L		97
81)	4-Chlorotoluene	16.80	91	939398	38.91	ug/L		96
82)	1,3,5-Trimethylbenzene	16.60	105	923721	40.15	ug/L		100
83)	sec-Butylbenzene	17.40	105	1021073	40.24	ug/L		99
84)	1,3-Dichlorobenzene	17.74	146	561076	39.61	ug/L		98
85)	4-Isopropyltoluene	17.55	119	810567	39.29	ug/L		100
86)	1,4-Dichlorobenzene	17.87	146	578151	39.63	ug/L		98
87)	tert-Butylbenzene	17.39	91	173634	39.70	ug/L		92
88)	n-Butylbenzene	18.15	91	749593	37.53	ug/L		99
89)	1,2-Dichlorobenzene	18.46	146	516399	38.85	ug/L		96
90)	1,2,4-Trimethylbenzene	17.17	105	957040	38.92	ug/L		98

(#) = qualifier out of range (m) = manual integration
F019690.D VF3547.M Tue Sep 15 09:56:00 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019690.D Vial: 10
Acq On : 14 Sep 2009 4:31 pm Operator: AnjanaP
Sample : icv3547-40 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:21:12 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:20:48 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

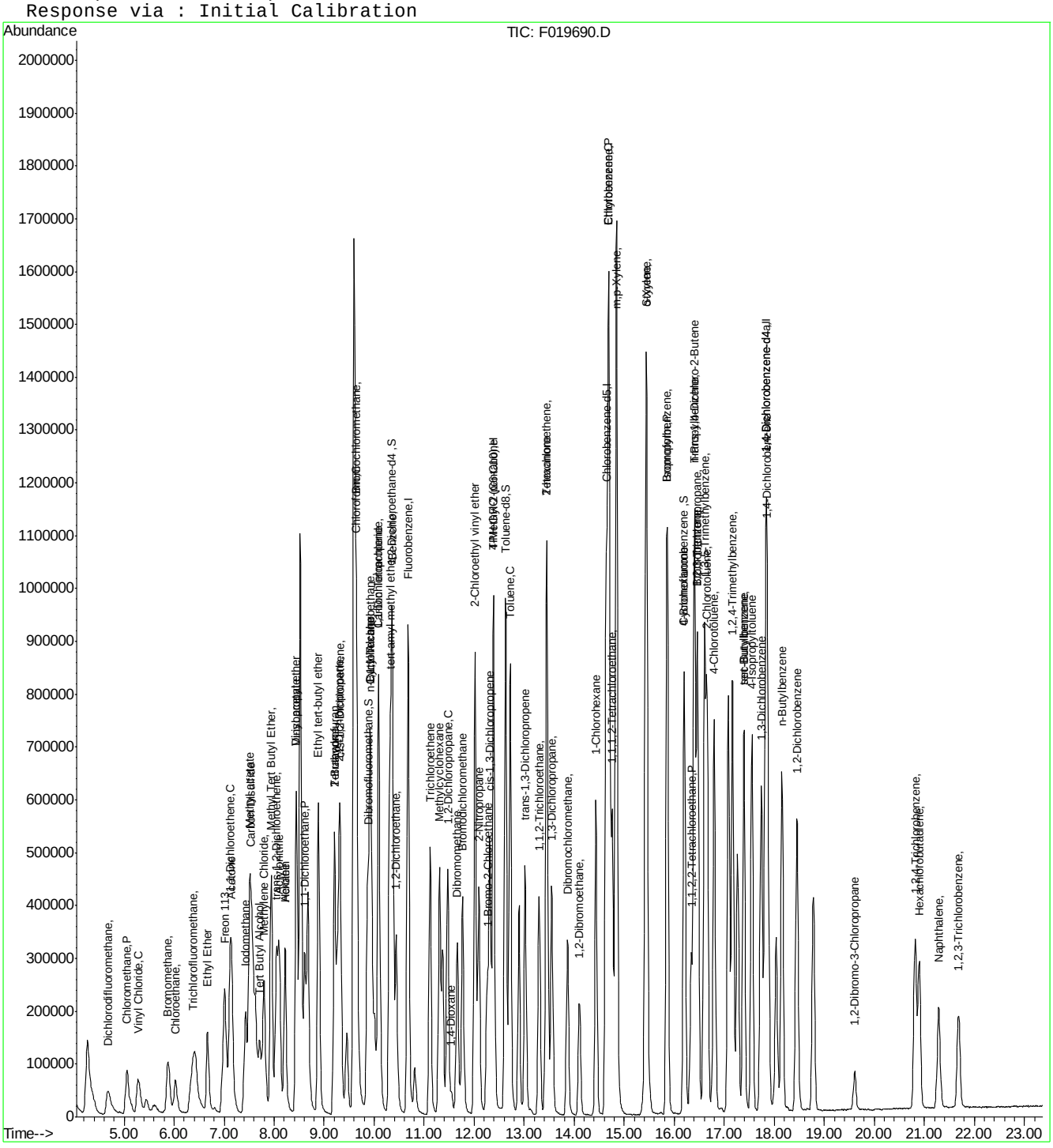
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91) 1,2-Dibromo-3-Chloropropan	19.61	75	43287	37.19	ug/L	89
92) 1,2,4-Trichlorobenzene	20.82	180	259982	39.02	ug/L	98
93) Hexachlorobutadiene	20.90	225	124330	41.52	ug/L	98
94) Naphthalene	21.29	128	388968	40.05	ug/L	100
95) 1,2,3-Trichlorobenzene	21.69	180	150896	41.43	ug/L	99
97) TPH-GRO (C6-C10)	12.39	TIC	106578563m	1901.22	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019690.D Vial: 10
Acq On : 14 Sep 2009 4:31 pm Operator: AnjanaP
Sample : icv3547-40 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:21 2009 Quant Results File: VF3547.RES

Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Tue Sep 15 08:59:11 2009
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez 10/14/09 16:31

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3599\F020700.D Vial: 2
Acq On : 13 Oct 2009 9:31 am Operator: AnjanaP
Sample : cc3547-20 Inst : GC/MS F
Misc : ms7103,vf3599,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 13 10:28:50 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.62	96	989173	50.00	ug/L	0.00
61) Chlorobenzene-d5	14.59	117	744552	50.00	ug/L	0.00
80) 1,4-Dichlorobenzene-d4	17.78	152	420199	50.00	ug/L	0.00
107) 1,4-Dichlorobenzene-d4a	17.78	152	420199	50.00	ug/kg	0.00

System Monitoring Compounds

39) Dibromofluoromethane	9.81	113	119856	20.44	ug/L	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 40.88%#			
45) 1,2-Dichloroethane-d4	10.29	65	157281	19.93	ug/L	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 39.86%#			
62) Toluene-d8	12.57	98	324799	19.33	ug/L	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 38.66%#			
83) 4-Bromofluorobenzene	16.14	95	147670	19.00	ug/L	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 38.00%#			

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	4.65	85	95136	17.13	ug/L	98
3) Chloromethane	5.00	50	76041	14.39	ug/L	98
4) Vinyl Chloride	5.22	62	74163	17.10	ug/L	98
5) Bromomethane	5.81	94	81703	25.07	ug/L	95
6) Chloroethane	5.97	64	55569	21.04	ug/L	98
7) Trichlorofluoromethane	6.32	101	156914	18.28	ug/L	93
8) Acrolein	8.16	56	43740	102.01	ug/L	97
9) Ethyl Ether	6.61	59	76121	21.36	ug/L	95
10) 1,1-Dichloroethene	7.06	61	168755	24.35	ug/L	97
11) Freon 113	6.95	101	107716	24.17	ug/L	97
12) Acetone	7.10	43	155492	116.04	ug/L	94
13) Iodomethane	7.37	142	198596	25.85	ug/L	96
14) Methyl acetate	7.46	43	325853	115.27	ug/L	96
15) Allyl Chloride	7.51	41	127344m	24.11	uL/L	
16) Carbon Disulfide	7.51	76	322903	23.64	ug/L	90
17) Acetonitrile	7.51	41	59988m	64.76	uL/L	
18) Methylene Chloride	7.73	49	141066	23.99	ug/L	98
19) Tert Butyl Alcohol	7.65	59	95795	232.10	ug/L	98
20) trans-1,2-Dichloroethene	7.99	61	153766	23.80	ug/L	95
21) Acrylonitrile	8.05	53	122235	105.68	ug/L	95
22) Methyl Tert Butyl Ether	7.89	73	336482	22.99	ug/L	98
23) Hexane	8.16	57	74048	20.74	ug/L	93
24) 1,1-Dichloroethane	8.56	63	184282	22.58	ug/L	96
25) Vinyl acetate	8.47	43	1166034	113.79	ug/L	99
26) Di-isopropyl ether	8.39	45	341637	21.39	ug/L	99
27) Chloroprene	8.63	53	181333	23.96	uL/L	98
28) Ethyl tert-butyl ether	8.83	59	365695	23.30	ug/L	96
29) 2,2-Dichloropropane	9.25	77	136828	20.31	ug/L	94
30) cis-1,2-Dichloroethene	9.27	96	122858	21.87	ug/L	94
31) Ethyl Acetate	9.16	43	651400	117.81	uL/L	97
32) 2-Butanone	9.16	43	651400	117.81	ug/L	100
33) Propionitrile	9.40	54	58449	138.18	uL/L	97
34) Methacrylonitrile	9.55	41	85362	22.98	uL/L	92
35) Bromochloromethane	9.59	128	67166	24.16	ug/L	91

(#) = qualifier out of range (m) = manual integration
F020700.D VF3547AP9G.M Wed Oct 14 13:32:44 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3599\F020700.D Vial: 2
Acq On : 13 Oct 2009 9:31 am Operator: AnjanaP
Sample : cc3547-20 Inst : GC/MS F
Misc : ms7103,vf3599,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 13 10:28:50 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
36)	Chloroform	9.60	83	242562	22.42	ug/L		99
37)	Tetrahydrofuran	9.16	42	62074	24.90	ug/L		95
38)	1,1,1-Trichloroethane	9.86	97	201341	21.59	ug/L		99
40)	Cyclohexane	9.88	56	123516	22.01	ug/L		96
41)	Isobutyl Alcohol	9.97	43	30552	455.35	uL/L		79
42)	n-Butyl Alcohol	10.76	56	18893	477.81	ug/L		82
43)	1,1-Dichloropropene	10.03	75	157726	22.70	ug/L		97
44)	Carbon Tetrachloride	10.03	117	184273	22.68	ug/L		97
46)	Benzene	10.31	78	379535	23.38	ug/L		92
47)	1,2-Dichloroethane	10.39	62	205609	21.83	ug/L		99
48)	tert-amyl methyl ether	10.26	73	351636	23.79	ug/L		98
49)	Trichloroethene	11.07	95	123296	22.00	ug/L		98
50)	Methylcyclohexane	11.25	83	109458	20.93	ug/L		95
51)	Methyl Methacrylate	11.31	41	117373	27.07	uL/L		96
52)	1,2-Dichloropropane	11.41	63	88646	22.19	ug/L		95
53)	Dibromomethane	11.61	93	88938	23.12	ug/L		97
54)	1,4-Dioxane	11.49	88	20287	505.89	ug/L		91
55)	Bromodichloromethane	11.72	83	196940	21.09	ug/L		98
56)	2-Nitropropane	12.04	41	222916	113.13	ug/L		97
57)	2-Chloroethyl vinyl ether	11.96	63	272666	132.63	ug/L		98
58)	1-Bromo-2-Chloroethane	12.21	63	94978	16.28	uL/L		98
59)	4-Methyl-2-pentanone	12.34	43	430346	111.50	ug/L		99
60)	cis-1,3-Dichloropropene	12.26	75	195521	22.41	ug/L		96
63)	Toluene	12.66	91	421598	21.11	ug/L		99
64)	Ethyl Methacrylate	12.85	69	165739	26.03	uL/:		97
65)	trans-1,3-Dichloropropene	12.97	75	185082	21.37	ug/L		97
66)	1,1,2-Trichloroethane	13.24	83	79797	21.35	ug/L		95
67)	Tetrachloroethene	13.39	166	157446	25.08	ug/L		98
68)	2-hexanone	13.40	43	304552	106.33	ug/L		97
69)	1,3-Dichloropropane	13.50	76	175210	20.85	ug/L		94
70)	Dibromochloromethane	13.81	129	135501	21.03	ug/L		100
71)	1,2-Dibromoethane	14.05	107	114307	21.77	ug/L		95
72)	1-Chlorohexane	14.38	91	136456	19.49	ug/L		92
73)	Chlorobenzene	14.63	112	277898	20.97	ug/L		94
74)	1,1,1,2-Tetrachloroethane	14.71	131	121027	21.12	ug/L		99
75)	Ethylbenzene	14.64	91	502211	20.20	ug/L		99
76)	m,p-Xylene	14.79	91	793344	41.46	ug/L		98
77)	o-Xylene	15.38	91	410573	20.63	ug/L		97
78)	Styrene	15.40	104	303881	21.47	ug/L		97
79)	Bromoform	15.80	173	97957	21.36	ug/L		97
81)	Isopropylbenzene	15.81	105	367882	19.34	ug/L		99
82)	Cyclohexanone	16.14	55	29581	185.28	ug/L	#	73
84)	Bromobenzene	16.41	156	142591	20.96	ug/L		93
85)	1,1,2,2-Tetrachloroethane	16.28	83	101607	19.54	ug/L		99
86)	Trans-1,4-Dichloro-2-Buten	16.36	53	40086	20.82	ug/L	#	98
87)	1,2,3-Trichloropropane	16.41	110	41294	20.83	ug/L		87
88)	n-Propylbenzene	16.35	91	498242	19.10	ug/L		100
89)	2-Chlorotoluene	16.60	91	379764	19.59	ug/L		99
90)	4-Chlorotoluene	16.75	91	352896	19.49	ug/L		95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3599\F020700.D Vial: 2
Acq On : 13 Oct 2009 9:31 am Operator: AnjanaP
Sample : cc3547-20 Inst : GC/MS F
Misc : ms7103,vf3599,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 13 10:28:50 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

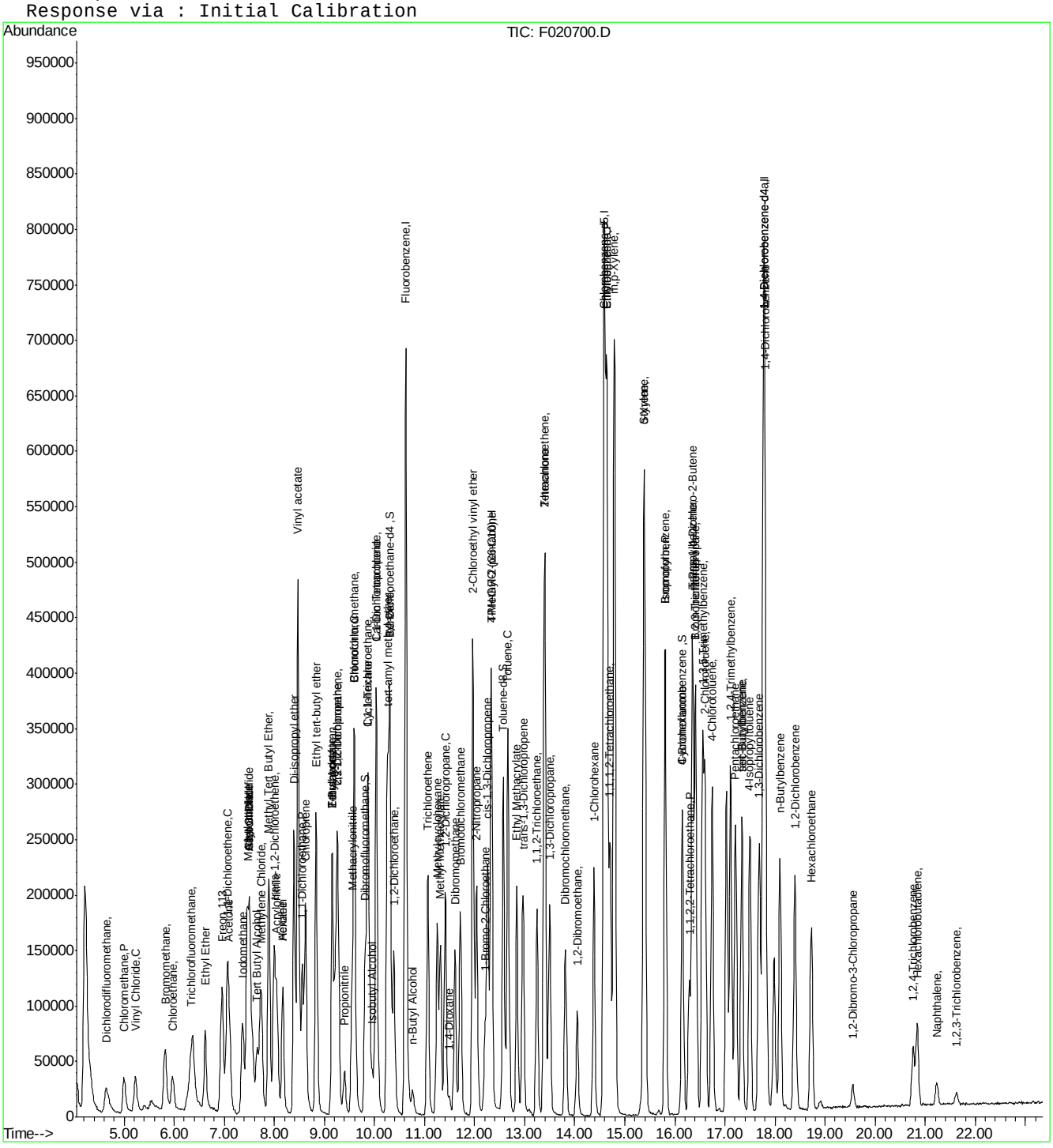
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	1,3,5-Trimethylbenzene	16.55	105	331390	19.20	ug/L	99
92)	Pentachloroethane	17.21	167	108670	24.77	uL/L	95
93)	sec-Butylbenzene	17.34	105	347863	18.28	ug/L	100
94)	1,3-Dichlorobenzene	17.68	146	213100	20.06	ug/L	97
95)	4-Isopropyltoluene	17.50	119	283926	18.35	ug/L	96
96)	1,4-Dichlorobenzene	17.81	146	225656	20.62	ug/L	97
97)	tert-Butylbenzene	17.34	91	60331	17.85	ug/L	90
98)	n-Butylbenzene	18.10	91	258929	17.29	ug/L	99
99)	1,2-Dichlorobenzene	18.40	146	194569	19.52	ug/L	95
100)	1,2,4-Trimethylbenzene	17.11	105	344700	18.69	ug/L	98
101)	Hexachloroethane	18.73	119	73632	20.08	uL/L	93
102)	1,2-Dibromo-3-Chloropropan	19.56	75	13046	12.92	ug/L	94
103)	1,2,4-Trichlorobenzene	20.76	180	42330	6.79	ug/L	98
104)	Hexachlorobutadiene	20.84	225	32785	12.11	ug/L	96
105)	Naphthalene	21.23	128	39037	3.55	ug/L	100
106)	1,2,3-Trichlorobenzene	21.63	180	9685	0.99	ug/L	96
108)	TPH-GRO (C6-C10)	12.34	TIC	42452921m	1748.22	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3599\F020700.D Vial: 2
Acq On : 13 Oct 2009 9:31 am Operator: AnjanaP
Sample : cc3547-20 Inst : GC/MS F
Misc : ms7103,vf3599,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 13 10:31 2009 Quant Results File: VF3547AP9G.RES

Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Laidlaw
10/15/09 09:27

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3601\F020748.D Vial: 3
Acq On : 14 Oct 2009 10:53 am Operator: AnjanaP
Sample : cc3547-40 Inst : GC/MS F
Misc : op13245,vf3601,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 15 09:04:01 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Wed Oct 14 13:44:25 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.62	96	918691	50.00	ug/L	0.00
61) Chlorobenzene-d5	14.60	117	752317	50.00	ug/L	0.00
80) 1,4-Dichlorobenzene-d4	17.79	152	442378	50.00	ug/L	0.00
107) 1,4-Dichlorobenzene-d4a	17.79	152	442378	50.00	ug/kg	0.00

System Monitoring Compounds						
39) Dibromofluoromethane	9.82	113	242162	44.46	ug/L	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 88.92%			
45) 1,2-Dichloroethane-d4	10.29	65	319119	45.97	ug/L	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 91.94%			
62) Toluene-d8	12.58	98	699007	40.48	ug/L	0.01
Spiked Amount 50.000	Range 87 - 119		Recovery = 80.96%#			
83) 4-Bromofluorobenzene	16.16	95	318202	38.18	ug/L	0.02
Spiked Amount 50.000	Range 80 - 133		Recovery = 76.36%#			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.62	85	157796	30.58	ug/L	93
3) Chloromethane	4.98	50	147946	31.59	ug/L	97
4) Vinyl Chloride	5.20	62	147977	38.16	ug/L	93
5) Bromomethane	5.80	94	156642	53.84	ug/L	98
6) Chloroethane	5.95	64	112760	45.97	ug/L	99
7) Trichlorofluoromethane	6.32	101	321588	40.34	ug/L	97
8) Acrolein	8.16	56	76323	191.66	ug/L	98
9) Ethyl Ether	6.60	59	126378	38.19	ug/L	97
10) 1,1-Dichloroethene	7.05	61	287038	44.59	ug/L	98
11) Freon 113	6.94	101	181675	43.90	ug/L	96
12) Acetone	7.09	43	242912	202.65	ug/L	92
13) Iodomethane	7.36	142	340477	47.71	ug/L	96
14) Methyl acetate	7.46	43	555232	209.71	ug/L	97
15) Allyl Chloride	7.50	41	269002	60.26	uL/L	90
16) Carbon Disulfide	7.50	76	534690	42.16	ug/L	91
17) Acetonitrile	7.50	41	81860m	98.01	uL/L	
18) Methylene Chloride	7.72	49	227479	42.15	ug/L	95
19) Tert Butyl Alcohol	7.65	59	162079	422.83	ug/L	83
20) trans-1,2-Dichloroethene	7.99	61	261586	43.59	ug/L	96
21) Acrylonitrile	8.05	53	210681	196.11	ug/L	99
22) Methyl Tert Butyl Ether	7.89	73	585212	43.04	ug/L	98
23) Hexane	8.16	57	125857	37.96	ug/L	91
24) 1,1-Dichloroethane	8.56	63	316516	41.75	ug/L	98
25) Vinyl acetate	8.47	43	1962221	206.17	ug/L	99
26) Di-isopropyl ether	8.39	45	591212	39.86	ug/L	98
27) Chloroprene	8.62	53	292377	41.60	uL/L	97
28) Ethyl tert-butyl ether	8.83	59	633791	43.49	ug/L	99
29) 2,2-Dichloropropane	9.25	77	232465	37.14	ug/L	97
30) cis-1,2-Dichloroethene	9.27	96	209695	40.20	ug/L	94
31) Ethyl Acetate	9.15	43	1101331	214.46	uL/L	98
32) 2-Butanone	9.15	43	1101331	214.46	ug/L	100
33) Propionitrile	9.39	54	93955	239.17	uL/L	99
34) Methacrylonitrile	9.55	41	132989	38.54	uL/L	99
35) Bromochloromethane	9.59	128	115096	44.57	ug/L	96

(#) = qualifier out of range (m) = manual integration
F020748.D VF3547AP9G.M Thu Oct 15 09:04:40 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3601\F020748.D Vial: 3
Acq On : 14 Oct 2009 10:53 am Operator: AnjanaP
Sample : cc3547-40 Inst : GC/MS F
Misc : op13245,vf3601,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 15 09:04:01 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Wed Oct 14 13:44:25 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36)	Chloroform	9.60	83	416479	41.45 ug/L	99
37)	Tetrahydrofuran	9.15	42	99829	44.25 ug/L	97
38)	1,1,1-Trichloroethane	9.86	97	343055	39.61 ug/L	98
40)	Cyclohexane	9.88	56	207830	39.88 ug/L	97
41)	Isobutyl Alcohol	9.96	43	52665	824.17 uL/L	83
42)	n-Butyl Alcohol	10.76	56	31457	822.99 ug/L	89
43)	1,1-Dichloropropene	10.03	75	270636	41.94 ug/L	95
44)	Carbon Tetrachloride	10.03	117	302693	40.11 ug/L	97
46)	Benzene	10.31	78	655655	43.50 ug/L	93
47)	1,2-Dichloroethane	10.39	62	349348	39.94 ug/L	98
48)	tert-amyl methyl ether	10.26	73	597830	43.55 ug/L	97
49)	Trichloroethene	11.07	95	215715	42.45 ug/L	99
50)	Methylcyclohexane	11.26	83	190229	39.17 ug/L	95
51)	Methyl Methacrylate	11.32	41	168813	41.93 uL/L	95
52)	1,2-Dichloropropane	11.42	63	155241	41.85 ug/L	92
53)	Dibromomethane	11.61	93	154275	43.19 ug/L	99
54)	1,4-Dioxane	11.50	88	33923	910.82 ug/L	91
55)	Bromodichloromethane	11.72	83	338931	39.08 ug/L	100
56)	2-Nitropropane	12.04	41	361816	197.70 ug/L	97
57)	2-Chloroethyl vinyl ether	11.97	63	510063	267.13 ug/L	96
58)	1-Bromo-2-Chloroethane	12.21	63	161964	29.89 uL/L	98
59)	4-Methyl-2-pentanone	12.34	43	733782	204.70 ug/L	98
60)	cis-1,3-Dichloropropene	12.27	75	340394	42.02 ug/L	93
63)	Toluene	12.67	91	761508	37.74 ug/L	100
64)	Ethyl Methacrylate	12.85	69	247794	38.51 uL/:	97
65)	trans-1,3-Dichloropropene	12.98	75	320036	36.56 ug/L	95
66)	1,1,2-Trichloroethane	13.25	83	147521	39.05 ug/L	93
67)	Tetrachloroethene	13.40	166	241908	38.14 ug/L	97
68)	2-hexanone	13.41	43	542503	187.45 ug/L	94
69)	1,3-Dichloropropane	13.51	76	326149	38.40 ug/L	91
70)	Dibromochloromethane	13.82	129	240602	36.95 ug/L	99
71)	1,2-Dibromoethane	14.06	107	205656	38.76 ug/L	98
72)	1-Chlorohexane	14.39	91	248478	35.12 ug/L	89
73)	Chlorobenzene	14.64	112	502973	37.57 ug/L	93
74)	1,1,1,2-Tetrachloroethane	14.72	131	213561	36.88 ug/L	97
75)	Ethylbenzene	14.66	91	903927	35.98 ug/L	99
76)	m,p-Xylene	14.81	91	1408707	72.86 ug/L	97
77)	o-Xylene	15.39	91	723728	35.98 ug/L	98
78)	Styrene	15.41	104	551999	38.59 ug/L	96
79)	Bromoform	15.81	173	167575	36.17 ug/L	96
81)	Isopropylbenzene	15.82	105	662763	33.09 ug/L	99
82)	Cyclohexanone	16.14	55	32008	190.35 ug/L	87
84)	Bromobenzene	16.43	156	255596	35.69 ug/L	94
85)	1,1,2,2-Tetrachloroethane	16.30	83	183872	33.59 ug/L	98
86)	Trans-1,4-Dichloro-2-Buten	16.37	53	52171	25.74 ug/L #	90
87)	1,2,3-Trichloropropane	16.42	110	72431	34.71 ug/L	92
88)	n-Propylbenzene	16.36	91	886245	32.28 ug/L	100
89)	2-Chlorotoluene	16.62	91	671333	32.90 ug/L	97
90)	4-Chlorotoluene	16.75	91	635839	33.36 ug/L	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3601\F020748.D Vial: 3
Acq On : 14 Oct 2009 10:53 am Operator: AnjanaP
Sample : cc3547-40 Inst : GC/MS F
Misc : op13245,vf3601,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 15 09:04:01 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Wed Oct 14 13:44:25 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

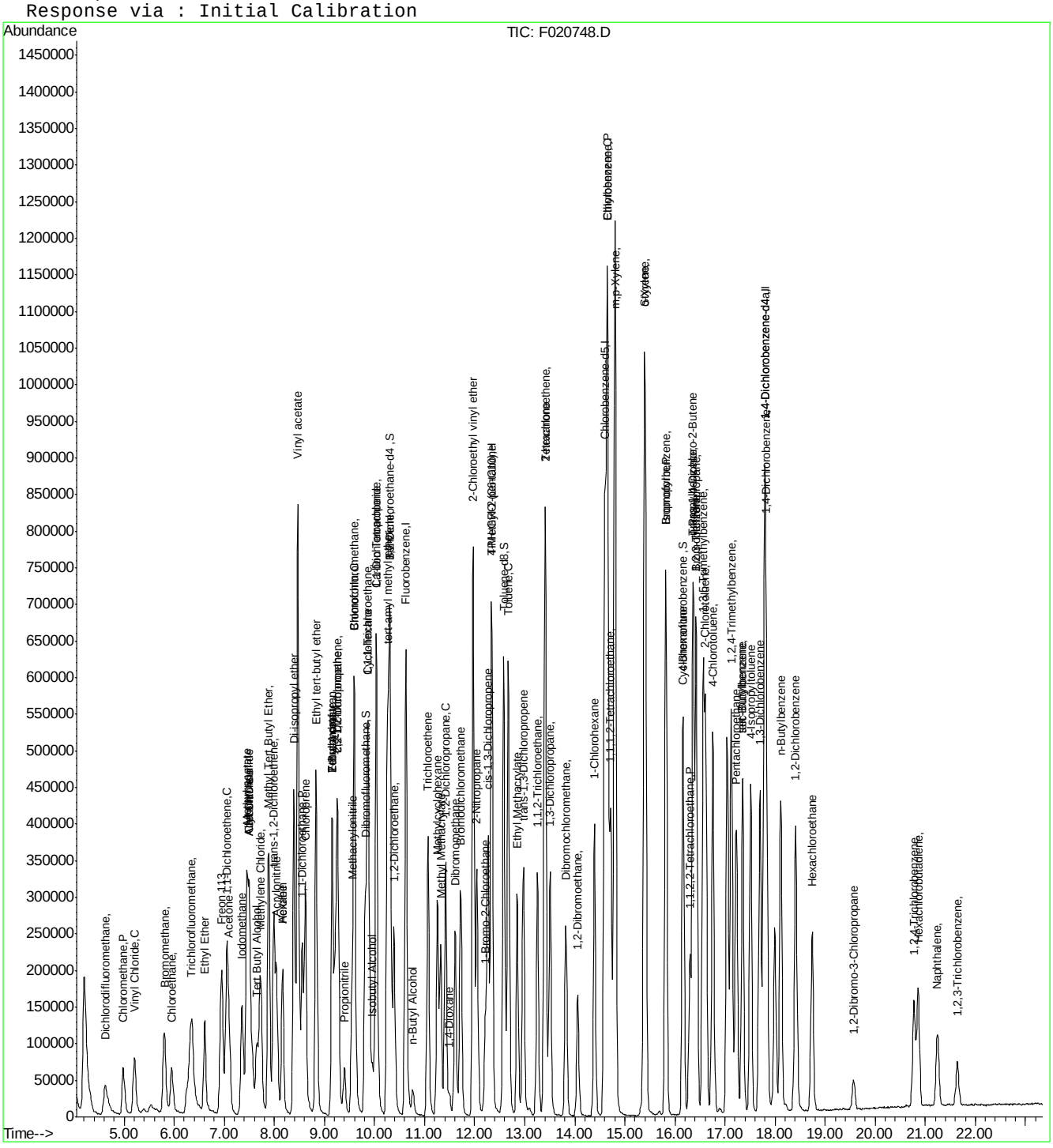
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
91)	1,3,5-Trimethylbenzene	16.57	105	599476	33.00	ug/L		99
92)	Pentachloroethane	17.23	167	161767	35.03	uL/L		97
93)	sec-Butylbenzene	17.35	105	627232	31.31	ug/L		99
94)	1,3-Dichlorobenzene	17.70	146	383153	34.26	ug/L		97
95)	4-Isopropyltoluene	17.51	119	505726	31.05	ug/L		100
96)	1,4-Dichlorobenzene	17.83	146	406549	35.29	ug/L		99
97)	tert-Butylbenzene	17.34	91	112071	32.27	ug/L		97
98)	n-Butylbenzene	18.11	91	483770	30.68	ug/L		99
99)	1,2-Dichlorobenzene	18.41	146	359277	34.23	ug/L		96
100)	1,2,4-Trimethylbenzene	17.13	105	627301	32.31	ug/L		98
101)	Hexachloroethane	18.74	119	107381	27.82	uL/L		94
102)	1,2-Dibromo-3-Chloropropan	19.57	75	23945	25.04	ug/L	#	83
103)	1,2,4-Trichlorobenzene	20.78	180	115409	21.00	ug/L		97
104)	Hexachlorobutadiene	20.86	225	74140	30.42	ug/L		96
105)	Naphthalene	21.24	128	197562	25.02	ug/L		100
106)	1,2,3-Trichlorobenzene	21.64	180	52619	16.74	ug/L		97
108)	TPH-GRO (C6-C10)	12.34	TIC	74006618m	2389.09	ug/kg		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3601\F020748.D Vial: 3
Acq On : 14 Oct 2009 10:53 am Operator: AnjanaP
Sample : cc3547-40 Inst : GC/MS F
Misc : op13245,vf3601,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 15 9:04 2009 Quant Results File: VF3547AP9G.RES

Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Wed Oct 14 13:44:25 2009
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Laidlaw
10/15/09 18:20

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3601\F020748.D Vial: 3
Acq On : 14 Oct 2009 10:53 am Operator: AnjanaP
Sample : cc3547-40 Inst : GC/MS F
Misc : op13245,vf3601,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 15 09:04:01 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Wed Oct 14 13:44:25 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.62	96	918691	50.00	ug/L	0.00
61) Chlorobenzene-d5	14.60	117	752317	50.00	ug/L	0.00
80) 1,4-Dichlorobenzene-d4	17.79	152	442378	50.00	ug/L	0.00
107) 1,4-Dichlorobenzene-d4a	17.79	152	442378	50.00	ug/kg	0.00

System Monitoring Compounds

39) Dibromofluoromethane	9.82	113	242162	44.46	ug/L	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 88.92%			
45) 1,2-Dichloroethane-d4	10.29	65	319119	45.97	ug/L	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 91.94%			
62) Toluene-d8	12.58	98	699007	40.48	ug/L	0.01
Spiked Amount 50.000	Range 87 - 119		Recovery = 80.96%#			
83) 4-Bromofluorobenzene	16.16	95	318202	38.18	ug/L	0.02
Spiked Amount 50.000	Range 80 - 133		Recovery = 76.36%#			

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	4.62	85	157796	30.58	ug/L	93
3) Chloromethane	4.98	50	147946	31.59	ug/L	97
4) Vinyl Chloride	5.20	62	147977	38.16	ug/L	93
5) Bromomethane	5.80	94	156642	53.84	ug/L	98
6) Chloroethane	5.95	64	112760	45.97	ug/L	99
7) Trichlorofluoromethane	6.32	101	321588	40.34	ug/L	97
8) Acrolein	8.16	56	76323	191.66	ug/L	98
9) Ethyl Ether	6.60	59	126378	38.19	ug/L	97
10) 1,1-Dichloroethene	7.05	61	287038	44.59	ug/L	98
11) Freon 113	6.94	101	181675	43.90	ug/L	96
12) Acetone	7.09	43	242912	202.65	ug/L	92
13) Iodomethane	7.36	142	340477	47.71	ug/L	96
14) Methyl acetate	7.46	43	555232	209.71	ug/L	97
15) Allyl Chloride	7.50	41	269002	60.26	uL/L	90
16) Carbon Disulfide	7.50	76	534690	42.16	ug/L	91
17) Acetonitrile	7.50	41	81860m	98.01	uL/L	
18) Methylene Chloride	7.72	49	227479	42.15	ug/L	95
19) Tert Butyl Alcohol	7.65	59	162079	422.83	ug/L	83
20) trans-1,2-Dichloroethene	7.99	61	261586	43.59	ug/L	96
21) Acrylonitrile	8.05	53	210681	196.11	ug/L	99
22) Methyl Tert Butyl Ether	7.89	73	585212	43.04	ug/L	98
23) Hexane	8.16	57	125857	37.96	ug/L	91
24) 1,1-Dichloroethane	8.56	63	316516	41.75	ug/L	98
25) Vinyl acetate	8.47	43	1962221	206.17	ug/L	99
26) Di-isopropyl ether	8.39	45	591212	39.86	ug/L	98
27) Chloroprene	8.62	53	292377	41.60	uL/L	97
28) Ethyl tert-butyl ether	8.83	59	633791	43.49	ug/L	99
29) 2,2-Dichloropropane	9.25	77	232465	37.14	ug/L	97
30) cis-1,2-Dichloroethene	9.27	96	209695	40.20	ug/L	94
31) Ethyl Acetate	9.15	43	1101331	214.46	uL/L	98
32) 2-Butanone	9.15	43	1101331	214.46	ug/L	100
33) Propionitrile	9.39	54	93955	239.17	uL/L	99
34) Methacrylonitrile	9.55	41	132989	38.54	uL/L	99
35) Bromochloromethane	9.59	128	115096	44.57	ug/L	96

(#) = qualifier out of range (m) = manual integration
F020748.D VF3547AP9G.M Thu Oct 15 09:04:40 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3601\F020748.D Vial: 3
Acq On : 14 Oct 2009 10:53 am Operator: AnjanaP
Sample : cc3547-40 Inst : GC/MS F
Misc : op13245,vf3601,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 15 09:04:01 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Wed Oct 14 13:44:25 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36)	Chloroform	9.60	83	416479	41.45 ug/L	99
37)	Tetrahydrofuran	9.15	42	99829	44.25 ug/L	97
38)	1,1,1-Trichloroethane	9.86	97	343055	39.61 ug/L	98
40)	Cyclohexane	9.88	56	207830	39.88 ug/L	97
41)	Isobutyl Alcohol	9.96	43	52665	824.17 uL/L	83
42)	n-Butyl Alcohol	10.76	56	31457	822.99 ug/L	89
43)	1,1-Dichloropropene	10.03	75	270636	41.94 ug/L	95
44)	Carbon Tetrachloride	10.03	117	302693	40.11 ug/L	97
46)	Benzene	10.31	78	655655	43.50 ug/L	93
47)	1,2-Dichloroethane	10.39	62	349348	39.94 ug/L	98
48)	tert-amyl methyl ether	10.26	73	597830	43.55 ug/L	97
49)	Trichloroethene	11.07	95	215715	42.45 ug/L	99
50)	Methylcyclohexane	11.26	83	190229	39.17 ug/L	95
51)	Methyl Methacrylate	11.32	41	168813	41.93 uL/L	95
52)	1,2-Dichloropropane	11.42	63	155241	41.85 ug/L	92
53)	Dibromomethane	11.61	93	154275	43.19 ug/L	99
54)	1,4-Dioxane	11.50	88	33923	910.82 ug/L	91
55)	Bromodichloromethane	11.72	83	338931	39.08 ug/L	100
56)	2-Nitropropane	12.04	41	361816	197.70 ug/L	97
57)	2-Chloroethyl vinyl ether	11.97	63	510063	267.13 ug/L	96
58)	1-Bromo-2-Chloroethane	12.21	63	161964	29.89 uL/L	98
59)	4-Methyl-2-pentanone	12.34	43	733782	204.70 ug/L	98
60)	cis-1,3-Dichloropropene	12.27	75	340394	42.02 ug/L	93
63)	Toluene	12.67	91	761508	37.74 ug/L	100
64)	Ethyl Methacrylate	12.85	69	247794	38.51 uL/:	97
65)	trans-1,3-Dichloropropene	12.98	75	320036	36.56 ug/L	95
66)	1,1,2-Trichloroethane	13.25	83	147521	39.05 ug/L	93
67)	Tetrachloroethene	13.40	166	241908	38.14 ug/L	97
68)	2-hexanone	13.41	43	542503	187.45 ug/L	94
69)	1,3-Dichloropropane	13.51	76	326149	38.40 ug/L	91
70)	Dibromochloromethane	13.82	129	240602	36.95 ug/L	99
71)	1,2-Dibromoethane	14.06	107	205656	38.76 ug/L	98
72)	1-Chlorohexane	14.39	91	248478	35.12 ug/L	89
73)	Chlorobenzene	14.64	112	502973	37.57 ug/L	93
74)	1,1,1,2-Tetrachloroethane	14.72	131	213561	36.88 ug/L	97
75)	Ethylbenzene	14.66	91	903927	35.98 ug/L	99
76)	m,p-Xylene	14.81	91	1408707	72.86 ug/L	97
77)	o-Xylene	15.39	91	723728	35.98 ug/L	98
78)	Styrene	15.41	104	551999	38.59 ug/L	96
79)	Bromoform	15.81	173	167575	36.17 ug/L	96
81)	Isopropylbenzene	15.82	105	662763	33.09 ug/L	99
82)	Cyclohexanone	16.14	55	32008	190.35 ug/L	87
84)	Bromobenzene	16.43	156	255596	35.69 ug/L	94
85)	1,1,2,2-Tetrachloroethane	16.30	83	183872	33.59 ug/L	98
86)	Trans-1,4-Dichloro-2-Buten	16.37	53	52171	25.74 ug/L #	90
87)	1,2,3-Trichloropropane	16.42	110	72431	34.71 ug/L	92
88)	n-Propylbenzene	16.36	91	886245	32.28 ug/L	100
89)	2-Chlorotoluene	16.62	91	671333	32.90 ug/L	97
90)	4-Chlorotoluene	16.75	91	635839	33.36 ug/L	96

(#) = qualifier out of range (m) = manual integration
F020748.D VF3547AP9G.M Thu Oct 15 09:04:40 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3601\F020748.D Vial: 3
Acq On : 14 Oct 2009 10:53 am Operator: AnjanaP
Sample : cc3547-40 Inst : GC/MS F
Misc : op13245,vf3601,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 15 09:04:01 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Wed Oct 14 13:44:25 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

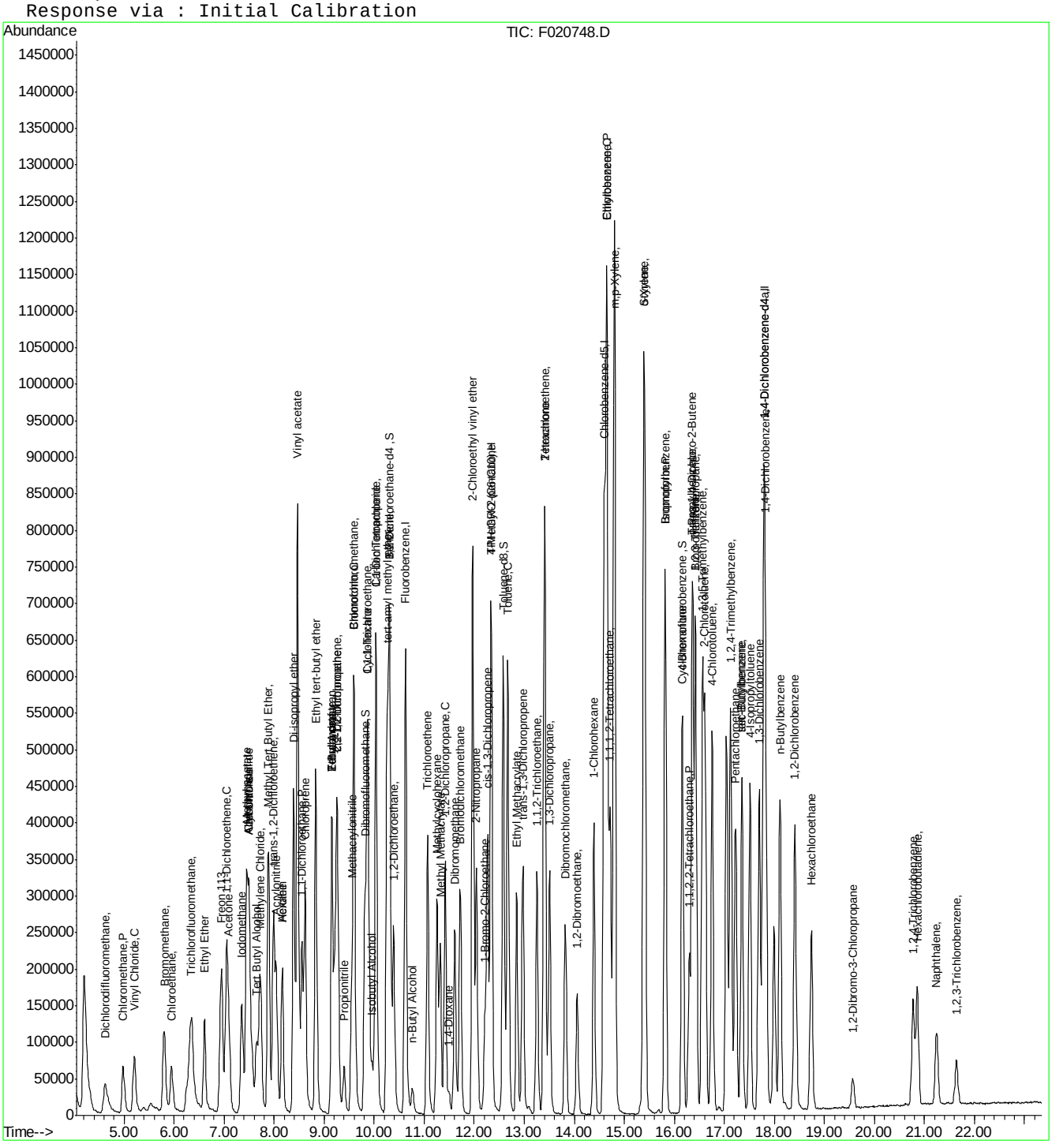
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
91)	1,3,5-Trimethylbenzene	16.57	105	599476	33.00	ug/L		99
92)	Pentachloroethane	17.23	167	161767	35.03	uL/L		97
93)	sec-Butylbenzene	17.35	105	627232	31.31	ug/L		99
94)	1,3-Dichlorobenzene	17.70	146	383153	34.26	ug/L		97
95)	4-Isopropyltoluene	17.51	119	505726	31.05	ug/L		100
96)	1,4-Dichlorobenzene	17.83	146	406549	35.29	ug/L		99
97)	tert-Butylbenzene	17.34	91	112071	32.27	ug/L		97
98)	n-Butylbenzene	18.11	91	483770	30.68	ug/L		99
99)	1,2-Dichlorobenzene	18.41	146	359277	34.23	ug/L		96
100)	1,2,4-Trimethylbenzene	17.13	105	627301	32.31	ug/L		98
101)	Hexachloroethane	18.74	119	107381	27.82	uL/L		94
102)	1,2-Dibromo-3-Chloropropan	19.57	75	23945	25.04	ug/L	#	83
103)	1,2,4-Trichlorobenzene	20.78	180	115409	21.00	ug/L		97
104)	Hexachlorobutadiene	20.86	225	74140	30.42	ug/L		96
105)	Naphthalene	21.24	128	197562	25.02	ug/L		100
106)	1,2,3-Trichlorobenzene	21.64	180	52619	16.74	ug/L		97
108)	TPH-GRO (C6-C10)	12.34	TIC	74006618m	2389.09	ug/kg		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3601\F020748.D Vial: 3
Acq On : 14 Oct 2009 10:53 am Operator: AnjanaP
Sample : cc3547-40 Inst : GC/MS F
Misc : op13245,vf3601,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 15 9:04 2009 Quant Results File: VF3547AP9G.RES

Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Wed Oct 14 13:44:25 2009
Response via : Initial Calibration



ACCUTEST

GC/MS VOLATILE ANALYSIS LOG

Batch MS: 7089, 7092, 7097
Batch ID: VC168-169

Date: 10/8/09 - 10/9/09

Analyst Signature:

Standard Data

Ref #	Description
A	BFB 3825
B	Internal Standard 3857
C	8260 Standard 3869, 3855, 3862, 3863
D	8260 BS/MS/MSD 3855, 3866, 3859, 3864
E	Surrogate Standard 3853
F	GRO Marker
G	GRO Standard N/A
H	GRO LCS

Columns: Rtx-624
SW-846/EPA Method: 8260B/624
Initial Cal. Method IC168
Calibration Date: 10/8/09

Solvent ID #: RV090720

Solvent: Methanol

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor:

Ref #	Data File	Sample ID	Sample Amount	Method	MTX	PH	ALS #	Dil.	Vial #	Med. Lvl	Run OK	Comments	Init.
A	C0003814	BFB	5ml	8260	W	N/A	1	N/A	N/A	N/A	Y	40 µg/40ml/Avg.S.	AA
BC	15	IC168-1										1µg/100ml/FV	
	16	IC168-2										2 µg/100ml FV	
	17	IC168-5										5 µg/100ml FV	
	18	IC168-20										10 µg/50ml FV	
	19	IC168-40										20 µg/50ml FV	
	20	IC168-100										50 µg/50ml FV	
	21	IC168-200										100 µg/50ml FV	
BE	22	Blk										Clean Blk	
BDE	23	ICV168-40										25 µg/50ml FV	
BE	24	Blk										Clean Blk	
BDE	25	BS										12.5 µg/40ml	
BE	26	Blk										Clean Blk	
	27	MB											
	28	T38384-1				<2		10x	9			5ml/50ml FV	
	29	T39208-8						1x	6				
	30	T38384-1						25x	9			2ml/50ml FV	
	31	T39208-8						1x	6				
BDE	32	T39208-8MS							8				
	33	8MSD					19		8				

MTX = Matrix Designate W for water, S for soil, O for oil, and TCLP or SPLP for leachates. Sample Amount = Volume (ML) or Weight (g)

PS: new ICal run due to replacement of trap & fnr.

Form: MS015

ACCUTEST

GC/MS VOLATILE ANALYSIS LOG

Batch MS: See pg # 48
Batch ID:

Date: 10/8/09 - 10/9-08

Analyst Signature:

Standard Data

Ref #	Description
A	BFB
B	Internal Standard
C	8260 Standard
D	8260 BS/MS/MSD
E	Surrogate Standard
F	GRO Marker
G	GRO Standard
H	GRO LCS

See pg # 48

Columns: Rtx-624
SW-846/EPA Method: 8260B/624
Initial Cal. Method
Calibration Date:
Solvent ID #:

See pg # 48

Solvent: Methanol

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor:

Ref #	Data File	Sample ID	Sample Amount	Method	MTX	PH	ALS #	Dil.	Vial #	Med. Lvl	Run OK	Comments	Init.
BE	C000834	Blk	5ml	8260	W	N/A	20	N/A	N/A	N/A	Y	cleanup Blk	AL
	35	T38353-3				<2		1X	3				
	36	-5						1	3				
	37	-7						10X	3			5ml/50ml FV	
	38	Blk				N/A		N/A	N/A			cleanup Blk	
	39	↓										↓	
A	40	~~BFB~~ BFB	AL 10/9/09									Autofined 21:24	AL 10/9/09
BE	41	~~BFB~~ Blk										~~40 µl/40ml~~ cleanup Blk	
BC	42	CC168-40										20 µl/50ml FV	
BDE	43	BS										12.5 µl/40ml	
BE	44	Blk										cleanup Blk	
	45	MB											
	46	T39398-2				<2		1X	2				
	47	T39313-12							1				
	48	T39398-1							1				
BDE	49	-1MS							2			12.5 µl/40ml	
	50	-1MSD							2			↓	
BE	51	Blk				N/A		N/A	N/A			Cleanup Blk	
	52	T39313-1				<2		1X	8				
	53	-2					38		6				

MTX = Matrix Designate W for water, S for soil, O for oil, and TCLP or SPLP for leachates. Sample Amount = Volume (ML) or Weight (g)

ACCUTEST

GC/MS VOLATILE ANALYSIS LOG

Batch MS: See pg # 48
Batch ID:

Date: 10/8/09 - 10/9/09

Analyst Signature:

Columns: Rtx-624
SW-846/EPA Method: 8260B/624
Initial Cal. Method
Calibration Date:

Solvent ID #:

Solvent: Methanol

See pg # 48

Standard Data

Ref #	Description
A	BFB
B	Internal Standard
C	8260 Standard
D	8260 BS/MS/MSD
E	Surrogate Standard
F	GRO Marker
G	GRO Standard
H	GRO LCS

See pg # 48

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor:

Ref #	Data File	Sample ID	Sample Amount	Method	MTX	PH	ALS #	Dil.	Vial #	Med. Lvl	Run OK	Comments	Init.
BE	C0003854	T39313-3	5ml	8260	W	<2	39	1X	6	N/A	Y		
	55	-4							6				
	56	T39209-1							3				
	57	-2							3				
	58	-4							3				
	59	-8							3				
	60	Blk				N/A		N/A	N/A			Cleanup Blk	
	61	↓					46					↓	

10/9/09

MTX = Matrix Designate W for water, S for soil, O for oil, and TCLP or SPLP for leachates. Sample Amount = Volume (ML) or Weight (g)

P.50

Form: MS015

6.7.1 6

ACCUTEST

GC/MS VOLATILE ANALYSIS LOG

Batch MS: 7091, 7105, 7110
Batch ID: VC 175 - 176

Date: 10/14/09 - 10/15/09

Analyst Signature: [signature]

Standard Data

Ref #	Description
A	BFB 3825
B	Internal Standard 3872
C	8260 Standard 3869, 3876, 3881, 3880
D	8260 BS/MS/MSD 3871, 3866, 3882, 3824
E	Surrogate Standard 3878
F	GRO Marker
G	GRO Standard N/A
H	GRO LCS

Columns: Rtx-624
SW-846/EPA Method: 8260B/624
Initial Cal. Method IC168
Calibration Date: 10/8/09

Solvent ID #: RU090720

Solvent: Methanol

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor: _____

Ref #	Data File	Sample ID	Sample Amount	Method	MTX	PH	ALS #	Dil.	Vial #	Med. Lvl	Run OK	Comments	Init.
BE	CC003982	Blk	5ml	8260	W	N/A	1	N/A	N/A	N/A	Y	cleanup Blk	AL
A	83	BFB										40µ/40ml Auto	
BC	84	CC168-20										10µ/50ml FV	
	85	↓ -40										20µ/50ml FV	
BDE	86	BS										12.5µ/40ml	
BE	87	Blk										cleanup Blk	
	88	MB											
	89	T39308-5				<2		1X	1	1			
	90	-1							1	1		AVG=1.44	
BDE	91	-1MS							2	2		12.5 µ/40ml	
	92	-1MSd							2	2		↓	
BE	93	Blk				N/A		N/A	N/A	N/A		cleanup Blk	
	94	T39308-2				<2		1X	1				
	95	-3							1				
	96	-4							1				
	97	Blk				N/A		N/A	N/A			cleanup Blk	
	98	T39308-1				<2		5X	2			10ml/50ml FV	
	99	↓ -4						5X	2			↓	
	4000	T39511-9						1X	2				
	01	-8					19	10X	2			5ml/50ml FV	

MTX = Matrix Designate W for water, S for soil, O for oil, and TCLP or SPLP for leachates. Sample Amount = Volume (ML) or Weight (g)

Form: MS015

ACCUTEST

GC/MS VOLATILE ANALYSIS LOG

Batch MS: See pg # 59
Batch ID:

Date: 10/14/09 - 10/15/09

Analyst Signature: [signature]

Standard Data

Ref #	Description
A	BFB
B	Internal Standard
C	8260 Standard
D	8260 BS/MS/MSD
E	Surrogate Standard
F	GRO Marker
G	GRO Standard
H	GRO LCS

See pg # 59

Columns: Rtx-624
SW-846/EPA Method: 8260B/624
Initial Cal. Method
Calibration Date:

See pg #59

Solvent ID #:

Solvent: Methanol

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor:

Ref #	Data File	Sample ID	Sample Amount	Method	MTX	PH	ALS #	Dil.	Vial #	Med. Lvl	Run OK	Comments	Init.
B/E	C0804002	T39511-6	5ml	8260	W	<2	20	100x	2	N/A	Y	500 µl/50 ml FV	AL
	03	-7						↓	2			↓	
	04	T39513-4						10x	5			5ml/50ml FV	
	05	-5						↓	7			↓	
	06	-8						100x	7			500 µl/50 ml FV	
	07	T39646-3						↓	5			↓	
	08	-4						10x	6			5ml/50ml FV	BR
	09	Blk				N/A		N/A	N/A			cleanup Blk	
	10	T39296-1		624		<2		5x	1			10ml/50ml FV	
	11	T39771-1						100x	1			500 µl/50ml FV	
B/E	12	-1MS							1			12.5 µl/40ml	
	13	-1MSd							1			↓ ↓	
B/E	14	Blk				N/A		N/A	N/A			cleanup Blk	
	15												
	16						34						

AL 10/14/09

MTX = Matrix Designate W for water, S for soil, O for oil, and TCLP or SPLP for leachates. Sample Amount = Volume (ML) or Weight (g)

P.60

Form: MS015

ACCUTEST

GC/MS VOLATILE ANALYSIS LOG

Batch MS: 7091, 7105, 7110
Batch ID: VC 175 - 176

Date: 10/14/09 - 10/15/09

Analyst Signature: [signature]

Standard Data

Ref #	Description
A	BFB 3825
B	Internal Standard 3872
C	8260 Standard 3869, 3876, 3881, 3880
D	8260 BS/MS/MSD 3871, 3866, 3882, 3824
E	Surrogate Standard 3878
F	GRO Marker N/A
G	GRO Standard
H	GRO LCS

Columns: Rtx-624
SW-846/EPA Method: 8260B/624
Initial Cal. Method IC168
Calibration Date: 10/8/09

Solvent ID #: RU090720

Solvent: Methanol

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor: _____

Ref #	Data File	Sample ID	Sample Amount	Method	MTX	PH	ALS #	Dil.	Vial #	Med. Lvl	Run OK	Comments	Init.
BE	CC003982	Blk	5ml	8260	W	N/A	1	N/A	N/A	N/A	Y	cleanup Blk	AL
A	83	BFB										40µl/40ml Auto	
BC	84	CC168-20										10µl/50ml FV	
	85	↓ -40										20µl/50ml FV	
BDE	86	BS										12.5µl/40ml	
BE	87	Blk										cleanup Blk	
	88	MB											
	89	T39308-5				<2		1X	1	1			
	90	-1							1	1			
BDE	91	-1MS							2	2		12.5 µl/40ml	
	92	-1MSd							2	2		↓	
BE	93	Blk				N/A		N/A	N/A	N/A		cleanup Blk	
	94	T39308-2				<2		1X	1				
	95	-3							1				
	96	-4							1				
	97	Blk				N/A		N/A	N/A			cleanup Blk	
	98	T39308-1				<2		5X	2			10ml/50ml FV	
	99	↓ -4						5X	2			↓	
	4000	T39511-9						1X	2				
	01	-8					19	10X	2			5ml/50ml FV	

MTX = Matrix Designate W for water, S for soil, O for oil, and TCLP or SPLP for leachates. Sample Amount = Volume (ML) or Weight (g)

Form: MS015

ACCUTEST

GC/MS VOLATILE ANALYSIS LOG

Batch MS: See pg # 59
Batch ID:

Date: 10/14/09 - 10/15/09

Analyst Signature:

Standard Data

Ref #	Description
A	BFB
B	Internal Standard
C	8260 Standard
D	8260 BS/MS/MSD
E	Surrogate Standard
F	GRO Marker
G	GRO Standard
H	GRO LCS

See pg # 59

Columns: Rtx-624
SW-846/EPA Method: 8260B/624
Initial Cal. Method
Calibration Date:
Solvent ID #:
Solvent: Methanol

See pg #59

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor:

Ref #	Data File	Sample ID	Sample Amount	Method	MTX	PH	ALS #	Dil.	Vial #	Med. Lvl	Run OK	Comments	Init.
BE	C0804002	T39511-6	5ml	8260	W	<2	20	100x	2	N/A	Y	500 µl/50 ml FV	AL
	03	-7						↓	2			↓	
	04	T39513-4						10x	5			5ml/50ml FV	
	05	-5						↓	7			↓	
	06	-8						100x	7			500 µl/50 ml FV	
	07	T39646-3						↓	5			↓	
	08	-4						10x	6			5ml/50ml FV	BR
	09	Blk				N/A		N/A	N/A			cleanup Blk	
	10	T39296-1		624		<2		5x	1			10ml/50ml FV	
	11	T39771-1						100x	1			500 µl/50ml FV	
BDE	12	-1MS							1			12.5 µl/40ml	
	13	-1MSd							1			↓ ↓	
BE	14	Blk				N/A		N/A	N/A			cleanup Blk	
	15												
	16						34						

AL 10/14/09

MTX = Matrix Designate W for water, S for soil, O for oil, and TCLP or SPLP for leachates. Sample Amount = Volume (ML) or Weight (g)

P.60

Form: MS015

6.7.3 6

ACCUTEST.

GC/MS VOLATILE ANALYSIS LOG

Batch MS: 6978, 6979, 6984
Batch ID: VF3547-3549

Date: 9/14/09 - 9/15/09

Analyst Signature: [signature]

Standard Data

Ref #	Description
A	BFB MV3797, 3799
B	Internal Standard MV3797
C	8260 Standard MV3796, 3791, 3792, 3800
D	8260 BS/MS/MSD MV3789, 3795, 3796, 3789
E	Surrogate Standard MV3799
F	GRO Marker
G	GRO Standard N/A
H	GRO LCS

Columns: Rtx-624
SW-846/EPA Method: 8260B/624
Initial Cal. Method IC3547
Calibration Date: 9/14/09

Solvent ID #: RV090720

Solvent: Methanol

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor: _____

Ref #	Data File	Sample ID	Sample Amount	Method	MTX	PH	ALS #	Dil.	Vial #	Med. Lvl	Run OK	Comments	Init.
BE	F019677	Blk	5ml	8260	W	N/A	1	N/A	N/A	N/A	Y	cleanup Blk	AK
A	78	BFB										Autofind/	
BC	79	CC3504-20										10µ/50ml *	
I	80	↓ -40										20µ/50ml *	
A	81	BFB										Autofind/11:58	
BEBC	82	IC3547-1										1µ/100ml	
* 9/14	83	-2										2µ/100ml	
	84	-5										5µ/100ml	
	85	-20										10µ/50ml	
	86	-40										20µ/50ml	
	87	-100										50µ/50ml	
	88	-200										100µ/50ml	
BE	89	Blk										cleanup Blk	
BDE	90	ICV3547-40										25µ/50ml	
BE	91	Blk										cleanup Blk	
BDE	92	BS										12.5µ/40ml	
BE	93	Blk										cleanup Blk	
	94	MB											
	95	T36882-3				<2		1K	6				
BDE	96	1 -3MS				↓	16	1	7			12.5µ/40ml	

MTX = Matrix Designate W for water, S for soil, O for oil, and TCLP or SPLP for leachates. Sample Amount = Volume (ML) or Weight (g)

* New ICAL run as both ccal's failed.

ACCUTEST.

GC/MS VOLATILE ANALYSIS LOG

Batch MS: See pg#1
Batch ID:

Date: 9/14/09 - 9/15/09

Analyst Signature:

Standard Data

Ref #	Description
A	BFB
B	Internal Standard
C	8260 Standard
D	8260 BS/MS/MSD
E	Surrogate Standard
F	GRO Marker
G	GRO Standard
H	GRO LCS

See pg#1

Columns: Rtx-624
SW-846/EPA Method: 8260B/624
Initial Cal. Method
Calibration Date:

See pg#1

Solvent ID #:

Solvent: Methanol

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor:

Ref #	Data File	Sample ID	Sample Amount	Method	MTX	PH	ALS #	Dil.	Vial #	Med. Lvl	Run OK	Comments	Init.
BDE	F019697	T36882-3msd	5ml	8260	W	<2	~~9~~ 16	1X	7	N/A			AW
BE	98	Blk				N/A	17	N/A	N/A			cleanup Blk	
	99	T36882-4				<2	18	5X	7			10ml/50ml	
	700	-2					19	500X	7			100 µl/50 ml	
	01	-5					20	↓	7				
	02	Blk				N/A	21	N/A	N/A			cleanup Blk	
	03	T37033-1				<2	22		1				
BDE	04	-1MS					23		2			12.5 µl/40 ml	
	05	-1MSd					1		2				
BE	06	Blk				N/A	24	N/A	N/A			cleanup Blk	
	07	T37034-1				<2	25	1X	1				
	08	T37032-1					26	~~5X~~ 10X	2			~~10ml~~ 5 ml/50ml AW 9/14/09	
	09	T37246-1					27	1X	4				
	10	T37248-1					28	1	4				
	11	Blk				N/A	29	N/A	N/A				
A	12	BFB					30					Autofind / 15:32	
BE	13	CC3547-40					31					20 µl/50 ml AW	
BDE	14	BS					32					12.5 µl/40 ml	
BE	15	Blk					33					cleanup Blk	
	16	MB					34						

MTX = Matrix Designate W for water, S for soil, O for oil, and TCLP or SPLP for leachates. Sample Amount = Volume (ML) or Weight (g)

P.2

Form: MS015

ACCUTEST

GC/MS VOLATILE ANALYSIS LOG

Batch MS: See pg#1
Batch ID:

Date: 9/14/09 - 9/15/09

Analyst Signature: [signature]

Standard Data

Ref #	Description
A	BFB
B	Internal Standard
C	8260 Standard
D	8260 BS/MS/MSD
E	Surrogate Standard
F	GRO Marker
G	GRO Standard
H	GRO LCS

See pg#1

Columns: Rtx-624
SW-846/EPA Method: 8260B/624
Initial Cal. Method
Calibration Date:

See pg#1

Solvent ID #:

Solvent: Methanol

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor:

Ref #	Data File	Sample ID	Sample Amount	Method	MTX	PH	ALS #	Dil.	Vial #	Med. Lvl	Run OK	Comments	Init.
BE	F0197 17	T37375-1	5ml	8260	W	<2	35	1x	1	N/A			AL
	18	-3					36		3				
	19	-5					37		5				
	20	T37007-1					38		6				
BDE	21	-1MS					39		7			12.5 ml/40 ml	
	22	-1MSD					39		7			↓	
BE	23	Blk				N/A	40	N/A	N/A			clean up Blk	
	24	T37007-2				<2	41	1x	6				
	25	T36917-1					42	1	5				
	26	T37007-3					43	5x	6			10 ml/50 ml Pu	
	27	Blk				N/A	44	N/A	N/A			clean up Blk	

AL
9/14/09

MTX = Matrix Designate W for water, S for soil, O for oil, and TCLP or SPLP for leachates. Sample Amount = Volume (ML) or Weight (g)

P.3

Form: MS015

ACCUTEST

GC/MS VOLATILE ANALYSIS LOG

Batch MS: 6978, 6979, 6984

Batch ID: VF3547-3549

Date: 9/14/09 - 9/15/09

Analyst Signature: [signature]

Standard Data

Ref #	Description
A	BFB MV3797, 3799
B	Internal Standard MV3797
C	8260 Standard MV3796, 3791, 3792, 3800
D	8260 BS/MS/MSD MV3789, 3795, 3796, 3789
E	Surrogate Standard MV3799
F	GRO Marker
G	GRO Standard N/A
H	GRO LCS

Columns: Rtx-624

SW-846/EPA Method: 8260B/624

Initial Cal. Method IC3547

Calibration Date: 9/14/09

Solvent ID #: RV090720

Solvent: Methanol

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor: _____

Ref #	Data File	Sample ID	Sample Amount	Method	MTX	PH	ALS #	Dil.	Vial #	Med. Lvl	Run OK	Comments	Init.
BE	F019677	Blk	5ml	8260	W	N/A	1	N/A	N/A	N/A	Y	cleanup Blk	AK
A	78	BFB										Auto find/	
BC	79	CC3504-20										10µ/50ml *	
|	80	↓ -40										20µ/50ml *	
A	81	BFB										Auto-find/11:58	
BEDC	* 9/14 82	IC3547-1										1µ/100ml	
|	83	| -2										2µ/100ml	
|	84	| -5										5µ/100ml	
|	85	| -20										10µ/50ml	
|	86	| -40										20µ/50ml	
|	87	| -100										50µ/50ml	
|	88	| -200										100µ/50ml	
BE	89	Blk										cleanup Blk	
BDE	90	ICV3547-40										25µ/50ml	
BE	91	Blk										cleanup Blk	
BDE	92	BS										12.5µ/40ml	
BE	93	Blk										cleanup Blk	
|	94	MB											
|	95	T36882-3				<2		1x	6				
BDE	96	| -3MS				↓	16	1	7			12.5µ/40ml	

MTX = Matrix Designate W for water, S for soil, O for oil, and TCLP or SPLP for leachates. Sample Amount = Volume (ML) or Weight (g)

* New ICAL. Run as both ones failed.

ACCUTEST.

GC/MS VOLATILE ANALYSIS LOG

Batch MS: See pg#1
Batch ID:

Date: 9/14/09 - 9/15/09

Analyst Signature:

Standard Data

Ref #	Description
A	BFB
B	Internal Standard
C	8260 Standard
D	8260 BS/MS/MSD
E	Surrogate Standard
F	GRO Marker
G	GRO Standard
H	GRO LCS

See pg#1

Columns: Rtx-624
SW-846/EPA Method: 8260B/624
Initial Cal. Method
Calibration Date:
Solvent ID #:
Solvent: Methanol

See pg#1

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor:

Ref #	Data File	Sample ID	Sample Amount	Method	MTX	PH	ALS #	Dil.	Vial #	Med. Lvl	Run OK	Comments	Init.
BDE	F019697	T36882-3msd	5ml	8260	W	<2	~~8~~ 16	1X	7	N/A			AW
BE	98	Blk				N/A	17	N/A	N/A			cleanup Blk	
	99	T36882-4				<2	18	5X	7			10ml/50ml	
	700	-2					19	500X	7			100 µl/50 ml	
	01	-5					20	↓	7				
	02	Blk				N/A	21	N/A	N/A			Cleanup Blk	
	03	T37033-1				<2	22		1				
BDE	04	-1MS					23		2			12.5 µl/40ml	
	05	-1MSd							2				
BE	06	Blk				N/A	24	N/A	N/A			cleanup Blk	
	07	T37034-1				<2	25	1X	1				
	08	T37032-1					26	~~5X~~ 10X	~~N~~ 9/14/09 2			~~10ml~~ 5 ml/50ml AW	
	09	T37246-1					27	1X	4				
	10	T37248-1					28	1	4				
	11	Blk				N/A	29	N/A	N/A				
A	12	BFB					30					Autofind / 15:32	
BE	13	CC3547-40					31					20 µl/50ml AW	
BDE	14	BS					32					12.5 µl/40ml	
BE	15	Blk					33					cleanup Blk	
	16	MB					34						

MTX = Matrix Designate W for water, S for soil, O for oil, and TCLP or SPLP for leachates. Sample Amount = Volume (ML) or Weight (g)

P.2

Form: MS015

ACCUTEST.

GC/MS VOLATILE ANALYSIS LOG

Batch MS: See pg#1
Batch ID:

Date: 9/14/09 - 9/15/09

Analyst Signature: [signature]

Standard Data

Ref #	Description
A	BFB
B	Internal Standard
C	8260 Standard
D	8260 BS/MS/MSD
E	Surrogate Standard
F	GRO Marker
G	GRO Standard
H	GRO LCS

See pg#1

Columns: Rtx-624
SW-846/EPA Method: 8260B/624
Initial Cal. Method
Calibration Date:
Solvent ID #: See pg#1
Solvent: Methanol

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor:

Ref #	Data File	Sample ID	Sample Amount	Method	MTX	PH	ALS #	Dil.	Vial #	Med. Lvl	Run OK	Comments	Init.
BE	F0197/7	T37375-1	5ml	8260	W	<2	35	1X	1	N/A			AL
	18	-3					36		3				
	19	-5					37		5				
	20	T37007-1					38		6				
BDE	21	-1MS					39		7			12.5 ml/40ml	
	22	-1MSD					39		7			↓	
BE	23	Blk				N/A	40	N/A	N/A			clean up Blk	
	24	T37007-2				<2	41	1X	6				
	25	T36917-1					42		5				
	26	T37007-3					43	5X	6			10ml/50ml FV	
	27	Blk				N/A	44	N/A	N/A			clean up Blk	

AL
9/14/09

MTX = Matrix Designate W for water, S for soil, O for oil, and TCLP or SPLP for leachates. Sample Amount = Volume (ML) or Weight (g)

P.3

Form: MS015

OP13202

ACCUTEST

GC/MS VOLATILE ANALYSIS LOG

Batch MS: 7103, 7105,
Batch ID: VF 3597 - 3599

Date: 10/12/09 - 10/13/09

Analyst Signature: [signature]

Standard Data

Ref #	Description
A	BFB 3825
B	Internal Standard 3873
C	8260 Standard 3869, 3862, 3870
D	8260 BS/MS/MSD 3871, 3866, 3859, 3864
E	Surrogate Standard 3877
F	GRO Marker
G	GRO Standard N/A
H	GRO LCS

Columns: Rtx-624
SW-846/EPA Method: 8260B/624
Initial Cal. Method CC3547
Calibration Date: 9/14/09

Solvent ID #: RV090720

Solvent: Methanol

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor: _____

Ref #	Data File	Sample ID	Sample Amount	Method	MTX	PH	ALS #	Dil.	Vial #	Med. Lvl	Run OK	Comments	Init.
A	F020679	BFB	5ml	8260	W	N/A	1	N/A	N/A	N/A	Y	40 µl/40ml/Avg Sc.	AW
BC	80	CC3547-20										10 µl/50ml FV	
1	81	↓ -40										20 µl/50ml FV	
BDE	82	BS										12.5 µl/40ml	
BE	83	Blk										Cleanup Blk	
	84	MB		8260									
	85	T39172-1		~~624~~ TCLP	AW	12 N		10X	N/A			5ml/50ml FV/TCLP	
	86	T39286-2						10X					
	87	287-2											
BDE	88	-2MS										12.5 µl/40ml	
1	89	-2MSd						↓				↓	
BE	90	Blk		8260		N/A		N/A	N/A			Cleanup Blk	
	91	T39511-1				<2		1R	3			RR @ 500x	
	92	-1MS							2			12.5 µl/40ml	
	93	-1MSd							2			↓	
	94	Blk				N/A		N/A	N/A			Cleanup Blk	
	95	T39414-2				<2		1R	1			RR	
	96	T39511-3							2				
	97	-4					18	1R	3				
	98	-5					19		3				

MTX = Matrix Designate W for water, S for soil, O for oil, and TCLP or SPLP for leachates. Sample Amount = Volume (ML) or Weight (g)

ACCUTEST

GC/MS VOLATILE ANALYSIS LOG

Batch MS: See pg # 68
Batch ID:

Date: 10/12/09 - 10/13/09

Analyst Signature:

Standard Data

Ref #	Description
A	BFB
B	Internal Standard
C	8260 Standard
D	8260 BS/MS/MSD
E	Surrogate Standard
F	GRO Marker
G	GRO Standard
H	GRO LCS

See pg # 68

Columns: Rtx-624
SW-846/EPA Method: 8260B/624
Initial Cal. Method
Calibration Date:

See pg # 68

Solvent ID #:

Solvent: Methanol

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor:

Ref #	Data File	Sample ID	Sample Amount	Method	MTX	PH	ALS #	Dil.	Vial #	Med. Lvl	Run OK	Comments	Init.
BE	F020699	T39511-6	5ml	8260	W		26	1X	3	N/A	N	Run stopped due	AW
	700	-7							3			to ambient facility	PP
	01	-8							3				PP
	02	-9							1				
	03	Blue				N/A		N/A	N/A			cleanup Blue	
A	04	BFB										40 µl/40ml	
BC	05	CC3547-40										20 µl/50ml FV	
BDE	06	BS										12.5 µl/40ml	
BE	07	Blue										cleanup Blue	
	08	MB											
	09	T39513-9						1X	1				
	10	T39646-12							1				
	11	T39513-1							11				
BDE	12	-1MS							14			12.5 µl/40ml	
	13	-1MSd							14			↓	
BE	14	Blue				N/A		N/A	N/A			cleanup Blue	
	15	T39513-2						1X	4				
	16	-3							4				
	17	-4							4				
	18	-5					37		6				

MTX = Matrix Designate W for water, S for soil, O for oil, and TCLP or SPLP for leachates. Sample Amount = Volume (ML) or Weight (g)

ACCUTEST

GC/MS VOLATILE ANALYSIS LOG

Batch MS: See pg # 68
Batch ID:

Date: 10/12/09 - 10/13/09

Analyst Signature:

Standard Data

Ref #	Description
A	BFB
B	Internal Standard
C	8260 Standard
D	8260 BS/MS/MSD
E	Surrogate Standard
F	GRO Marker
G	GRO Standard
H	GRO LCS

See pg #68

Columns: Rtx-624
SW-846/EPA Method: 8260B/624
Initial Cal. Method
Calibration Date:
Solvent ID #: See pg # 68
Solvent: Methanol

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor:

Ref #	Data File	Sample ID	Sample Amount	Method	MTX	PH	ALS #	Dil.	Vial #	Med. Lvl	Run OK	Comments	Init.
BFB	F020719	T39513-6	5ml	8260	W		38	1X	4	N/A	N	RR	AW
	20	-7					39		6				
	21	-8					40		6				
	22	Blk				N/A	41	N/A	N/A			cleanup Blk	
	23	T39646-1					42	1X	6				
	24	-2					43		6				
	25	-3					44		4				
	26	-4					45		4				
	27	-5					46		4				
	28	-6					47		4				
	29	-7					48		4				
	30	Blk				N/A	49	N/A	N/A			cleanup Blk	
	31	↓					50					↓	

AW 10/12/09

MTX = Matrix Designate W for water, S for soil, O for oil, and TCLP or SPLP for leachates. Sample Amount = Volume (ML) or Weight (g)

ACCUTEST

GC/MS VOLATILE ANALYSIS LOG

Batch MS: OP13245, 7105
Batch ID: VF3601-3602

Date: 10/14/09 - 10/15/09

Analyst Signature: [signature]

Standard Data

Ref #	Description
A	BFB MV3825
B	Internal Standard MV 3873
C	8260 Standard 3869, 3876, 3881, 3880
D	8260 BS/MS/MSD 3871, 3866, 3882, 3864
E	Surrogate Standard MV3877
F	GRO Marker N/A
G	GRO Standard
H	GRO LCS

Columns: Rtx-624
SW-846/EPA Method: 8260B/624
Initial Cal. Method IC3547
Calibration Date: 9/14/09

Solvent ID #: RV090720

Solvent: Methanol

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor: _____

Ref #	Data File	Sample ID	Sample Amount	Method	MTX	PH	ALS #	Dil.	Vial #	Med. Lvl	Run OK	Comments	Init.
A	F020746	BFB	5ml	8260	W	N/A	1	N/A	N/A	N/A	Y	40 µg/40ml/Auto	AL
BC	47	CC3547-20										10 µg/50ml FV	
	48	-40										20 µg/50ml FV	
BDE	49	BS										12.5 µg/40ml	
BE	50	Blk										clean up Blk	
	51	MB											
	52	OP13245-LB		TCLP				10X				5ml/50ml FV	
	53	T39643-1											
BDE	54	-1MS										12.5 µg/40ml	
	55	-1MSD											
BE	56	Blk				N/A		N/A	N/A			clean up Blk	
	57	T39408-1						10X				5ml/50ml FV	
	58	500-2											
	59	501-2											
	60	529-2											
	61	534-1											
	62	629-1											
	63	T39646-6		8260		<2		1X	5				
BDE	64	-6 MS							6			12.5 µg/40ml	AL 10/14
	65	-6 MSD					18		6				

MTX = Matrix Designate W for water, S for soil, O for oil, and TCLP or SPLP for leachates. Sample Amount = Volume (ML) or Weight (g)

ACCUTEST

GC/MS VOLATILE ANALYSIS LOG

Batch MS: See pg # 75
Batch ID:

Date: 10/14/09 - 10/15/09

Analyst Signature:

Standard Data

Ref #	Description
A	BFB
B	Internal Standard
C	8260 Standard
D	8260 BS/MS/MSD
E	Surrogate Standard
F	GRO Marker
G	GRO Standard
H	GRO LCS

See pg # 74

Columns: Rtx-624
SW-846/EPA Method: 8260B/624
Initial Cal. Method
Calibration Date:

See pg # 74

Solvent ID #:

Solvent: Methanol

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor:

Ref #	Data File	Sample ID	Sample Amount	Method	MTX	PH	ALS #	Dil.	Vial #	Med. Lvl	Run OK	Comments	Init.
BB	F020766	Blk	5ml	8260	W	N/A	19	N/A	N/A	N/A	Y	cleanup Blk	AA
	67	T39513-6				<2		1x	5				
	68	T39646-7							5				
	69	-2						5x	7			10ml/50ml FV	
	70	-5						100x	5			500ml/50ml FV	PA
	71	Blk				N/A		N/A	N/A			cleanup Blk	
	72	↓					25						

AA 10/14/09

MTX = Matrix Designate W for water, S for soil, O for oil, and TCLP or SPLP for leachates. Sample Amount = Volume (ML) or Weight (g)

ACCUTEST

GC/MS VOLATILE ANALYSIS LOG

Batch MS: OP13245, 7105
Batch ID: VF3601-3602

Date: 10/14/09 - 10/15/09

Analyst Signature: [signature]

Standard Data

Ref #	Description
A	BFB MV3825
B	Internal Standard MV 3873
C	8260 Standard 3869, 3876, 3881, 3880
D	8260 BS/MS/MSD 3871, 3866, 3882, 3864
E	Surrogate Standard MV3877
F	GRO Marker N/A
G	GRO Standard
H	GRO LCS

Columns: Rtx-624
SW-846/EPA Method: 8260B/624
Initial Cal. Method IC3547
Calibration Date: 9/14/09

Solvent ID #: RV090720

Solvent: Methanol

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor: _____

Ref #	Data File	Sample ID	Sample Amount	Method	MTX	PH	ALS #	Dil.	Vial #	Med. Lvl	Run OK	Comments	Init.
A	F020746	BFB	5ml	8260	W	N/A	1	N/A	N/A	N/A	Y	40 µg/40ml/Auto	AC
BC	47	CC3547-20										10 µg/50ml FV	
	48	-40										20 µg/50ml FV	
BDE	49	BS										12.5 µg/40ml	
BE	50	Blk										clean up Blk	
	51	MB											
	52	OP13245-LB		TCLP				10X				5ml/50ml FV	
	53	T39643-1											
BDE	54	-1MS										12.5 µg/40ml	
	55	-1MSD											
BE	56	Blk				N/A		N/A	N/A			clean up Blk	
	57	T39408-1						10X				5ml/50ml FV	
	58	500-2											
	59	501-2											
	60	529-2											
	61	534-1											
	62	629-1											
	63	T39646-6		8260		<2		1X	5				
BDE	64	-6 MS							6			12.5 µg/40ml	AC 10/14
	65	-6 MSD					18		6				

MTX = Matrix Designate W for water, S for soil, O for oil, and TCLP or SPLP for leachates. Sample Amount = Volume (ML) or Weight (g)

ACCUTEST

GC/MS VOLATILE ANALYSIS LOG

Batch MS: See pg # 75
Batch ID:

Date: 10/14/09 - 10/15/09

Analyst Signature:

Standard Data

Ref #	Description
A	BFB
B	Internal Standard
C	8260 Standard
D	8260 BS/MS/MSD
E	Surrogate Standard
F	GRO Marker
G	GRO Standard
H	GRO LCS

See pg # 74

Columns: Rtx-624
SW-846/EPA Method: 8260B/624
Initial Cal. Method
Calibration Date:

See pg # 74

Solvent ID #:

Solvent: Methanol

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor:

Ref #	Data File	Sample ID	Sample Amount	Method	MTX	PH	ALS #	Dil.	Vial #	Med. Lvl	Run OK	Comments	Init.
BB	F020766	Blk	5ml	8260	W	N/A	19	N/A	N/A	N/A	Y	cleanup Blk	AA
	67	T39513-6				<2		1x	5				
	68	T39646-7							5				
	69	-2						5x	7			10ml/50ml FV	
	70	-5						100x	5			500ul/50ml FV	PA
	71	Blk				N/A		N/A	N/A			cleanup Blk	
	72	↓					25						

AA 10/14/09

MTX = Matrix Designate W for water, S for soil, O for oil, and TCLP or SPLP for leachates. Sample Amount = Volume (ML) or Weight (g)

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (DFTPP)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13230-MB	J13786.D	1	10/13/09	SC	10/09/09	OP13230	EJ633

The QC reported here applies to the following samples: **Method:** SW846 8270C

T39513-1, T39513-2, T39513-3, T39513-4, T39513-5, T39513-6, T39513-7, T39513-8

CAS No.	Compound	Result	RL	MDL	Units	Q
108-98-5	Benzenethiol	ND	10	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	5.0	0.83	ug/l	
	3&4-Methylphenol	ND	5.0	1.6	ug/l	
108-95-2	Phenol	ND	5.0	0.75	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.6	ug/l	
206-44-0	Fluoranthene	ND	5.0	0.97	ug/l	
86-73-7	Fluorene	ND	5.0	1.3	ug/l	
91-20-3	Naphthalene	ND	5.0	1.1	ug/l	
85-01-8	Phenanthrene	ND	5.0	0.97	ug/l	
129-00-0	Pyrene	ND	5.0	1.7	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	46%	10-66%
4165-62-2	Phenol-d5	11%	10-53%
118-79-6	2,4,6-Tribromophenol	67%	32-128%
4165-60-0	Nitrobenzene-d5	72%	29-115%
321-60-8	2-Fluorobiphenyl	62%	34-113%
1718-51-0	Terphenyl-d14	65%	12-145%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
111-90-0	Ethanol, 2-(2-ethoxyethoxy)-	4.60	15	ug/l	JN
74367-33-2	Propanoic acid, 2-methyl-, 2,2-dim	7.12	25	ug/l	JN
	Total TIC, Semi-Volatile		40	ug/l	J

Method Blank Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13270-MB	H35520.D	1	10/21/09	SC	10/09/09	OP13270	EH1918

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

T39513-1, T39513-2, T39513-3, T39513-4, T39513-5, T39513-6, T39513-7, T39513-8

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.20	0.042	ug/l	
208-96-8	Acenaphthylene	ND	0.20	0.072	ug/l	
120-12-7	Anthracene	ND	0.20	0.054	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.041	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.064	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.060	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.056	ug/l	
218-01-9	Chrysene	ND	0.20	0.044	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.060	ug/l	
206-44-0	Fluoranthene	ND	0.20	0.046	ug/l	
86-73-7	Fluorene	ND	0.20	0.064	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.061	ug/l	
91-20-3	Naphthalene	ND	0.20	0.075	ug/l	
85-01-8	Phenanthrene	ND	0.20	0.075	ug/l	
129-00-0	Pyrene	ND	0.20	0.079	ug/l	

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	96% [a]	17-131%
321-60-8	2-Fluorobiphenyl	1200% [a]	15-137%
1718-51-0	Terphenyl-d14	111% [a]	10-160%

(a) Recoveries were adjusted for 10x spiking.

Blank Spike/Blank Spike Duplicate Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13230-BS	J13791.D	1	10/13/09	SC	10/09/09	OP13230	EJ633
OP13230-BSD	J13792.D	1	10/13/09	SC	10/09/09	OP13230	EJ633

The QC reported here applies to the following samples: **Method:** SW846 8270C

T39513-1, T39513-2, T39513-3, T39513-4, T39513-5, T39513-6, T39513-7, T39513-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
108-98-5	Benzenethiol	50	9.7	19	8.7	17	11	10-98/30
105-67-9	2,4-Dimethylphenol	50	23.3	47	23.1	46	1	27-87/30
95-48-7	2-Methylphenol	50	29.1	58	29.5	59	1	25-84/30
	3&4-Methylphenol	100	55.5	56	56.9	57	2	25-77/30
108-95-2	Phenol	50	15.7	31	16.0	32	2	10-53/30
83-32-9	Acenaphthene	50	39.3	79	39.2	78	0	41-110/30
206-44-0	Fluoranthene	50	49.9	100	50.5	101	1	62-116/30
86-73-7	Fluorene	50	41.6	83	42.5	85	2	47-99/30
91-20-3	Naphthalene	50	29.9	60	30.1	60	1	37-89/30
85-01-8	Phenanthrene	50	43.3	87	43.6	87	1	59-103/30
129-00-0	Pyrene	50	41.2	82	44.2	88	7	58-110/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
367-12-4	2-Fluorophenol	44%	44%	10-66%
4165-62-2	Phenol-d5	29%	30%	10-53%
118-79-6	2,4,6-Tribromophenol	88%	87%	32-128%
4165-60-0	Nitrobenzene-d5	71%	71%	29-115%
321-60-8	2-Fluorobiphenyl	77%	76%	34-113%
1718-51-0	Terphenyl-d14	87%	94%	12-145%

Blank Spike/Blank Spike Duplicate Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13270-BS [a]	H35521.D	1	10/21/09	SC	10/09/09	OP13270	EH1918
OP13270-BSD [a]	H35522.D	1	10/21/09	SC	10/09/09	OP13270	EH1918

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

T39513-1, T39513-2, T39513-3, T39513-4, T39513-5, T39513-6, T39513-7, T39513-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	5	3.7	74	3.6	72	3	10-125/30
208-96-8	Acenaphthylene	5	3.3	66	3.2	64	3	10-141/30
120-12-7	Anthracene	5	3.7	74	3.8	76	3	13-139/30
56-55-3	Benzo(a)anthracene	5	3.7	74	3.6	72	3	24-151/30
50-32-8	Benzo(a)pyrene	5	3.0	60	3.1	62	3	36-146/30
205-99-2	Benzo(b)fluoranthene	5	3.9	78	4.2	84	7	27-159/30
207-08-9	Benzo(k)fluoranthene	5	4.4	88	4.1	82	7	26-157/30
218-01-9	Chrysene	5	3.7	74	3.6	72	3	26-146/30
53-70-3	Dibenzo(a,h)anthracene	5	3.6	72	3.0	60	18	23-161/30
206-44-0	Fluoranthene	5	3.8	76	4.0	80	5	20-140/30
86-73-7	Fluorene	5	4.4	88	4.3	86	2	16-126/30
193-39-5	Indeno(1,2,3-cd)pyrene	5	3.6	72	3.3	66	9	25-153/30
91-20-3	Naphthalene	5	2.8	56	3.0	60	7	11-111/30
85-01-8	Phenanthrene	5	3.7	74	3.7	74	0	23-135/30
129-00-0	Pyrene	5	3.0	60	2.8	56	7	27-138/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
4165-60-0	Nitrobenzene-d5	71%	68%	17-131%
321-60-8	2-Fluorobiphenyl	84%	81%	15-137%
1718-51-0	Terphenyl-d14	82%	76%	10-160%

(a) Recoveries were adjusted for 1:10 dilution of the 8270 spike amount.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13230-MS	J13803.D	1	10/13/09	SC	10/09/09	OP13230	EJ633
OP13230-MSD	J13804.D	1	10/13/09	SC	10/09/09	OP13230	EJ633
T39513-1	J13795.D	1	10/13/09	SC	10/09/09	OP13230	EJ633

The QC reported here applies to the following samples: **Method:** SW846 8270C

T39513-1, T39513-2, T39513-3, T39513-4, T39513-5, T39513-6, T39513-7, T39513-8

CAS No.	Compound	T39513-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
108-98-5	Benzenethiol	10 U			ND	0* [a]	ND	0* [b]	nc	10-98/36
105-67-9	2,4-Dimethylphenol	5.0 U		100	74.7	75	86.2	86	14	27-87/26
95-48-7	2-Methylphenol	5.0 U		100	67.4	67	79.3	79	16	25-84/31
	3&4-Methylphenol	5.0 U		200	142	71	167	84*	16	25-77/25
108-95-2	Phenol	5.0 U		100	56.1	56*	65.0	65*	15	10-53/35
83-32-9	Acenaphthene	5.0 U		100	71.1	71	80.0	80	12	41-110/21
206-44-0	Fluoranthene	5.0 U		100	87.2	87	100	100	14	62-116/24
86-73-7	Fluorene	5.0 U		100	75.2	75	86.1	86	14	47-99/22
91-20-3	Naphthalene	5.0 U		100	64.5	65	74.8	75	15	37-89/24
85-01-8	Phenanthrene	5.0 U		100	81.7	82	90.8	91	11	59-103/19
129-00-0	Pyrene	5.0 U		100	84.8	85	101	101	17	58-110/25

CAS No.	Surrogate Recoveries	MS	MSD	T39513-1	Limits
367-12-4	2-Fluorophenol	58%	67%*	28%	10-66%
4165-62-2	Phenol-d5	52%	61%*	26%	10-53%
118-79-6	2,4,6-Tribromophenol	77%	86%	76%	32-128%
4165-60-0	Nitrobenzene-d5	67%	77%	40%	29-115%
321-60-8	2-Fluorobiphenyl	63%	71%	36%	34-113%
1718-51-0	Terphenyl-d14	83%	100%	86%	12-145%

(a) Compounds was not spiked in this ms sample.
(b) Compounds was not spiked in this msd sample.

Instrument Performance Check (DFTPP)

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EH1918-DFTPP
Lab File ID: H35512.D
Instrument ID: GCMSH
Injection Date: 10/21/09
Injection Time: 10:48

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	27424	43.7		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	42760	68.1		Pass
70	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
127	40.0 - 60.0% of mass 198	34749	55.3		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	62797	100.0		Pass
199	5.0 - 9.0% of mass 198	4472	7.1		Pass
275	10.0 - 30.0% of mass 198	10382	16.5		Pass
365	1.0 - 100.0% of mass 198	872	1.4		Pass
441	Present, but less than mass 443	4082	6.5	(79.6) [b]	Pass
442	40.0 - 100.0% of mass 198	25149	40.0		Pass
443	17.0 - 23.0% of mass 442	5127	8.2	(20.4) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EH1918-ICC1918	H35513.D	10/21/09	11:02	00:14	Initial cal 2.5
EH1918-IC1918	H35514.D	10/21/09	11:31	00:43	Initial cal 1
EH1918-IC1918	H35515.D	10/21/09	12:01	01:13	Initial cal 0.1
EH1918-IC1918	H35516.D	10/21/09	12:32	01:44	Initial cal 0.2
EH1918-IC1918	H35517.D	10/21/09	12:58	02:10	Initial cal 5
EH1918-IC1918	H35518.D	10/21/09	13:29	02:41	Initial cal 10
EH1918-ICV1918	H35519.D	10/21/09	13:57	03:09	Initial cal verification 2.5
OP13270-MB	H35520.D	10/21/09	14:31	03:43	Method Blank
OP13270-BS	H35521.D	10/21/09	14:54	04:06	Blank Spike
OP13270-BSD	H35522.D	10/21/09	15:25	04:37	Blank Spike Duplicate
ZZZZZZ	H35523.D	10/21/09	15:54	05:06	(unrelated sample)
ZZZZZZ	H35524.D	10/21/09	16:23	05:35	(unrelated sample)
ZZZZZZ	H35525.D	10/21/09	16:55	06:07	(unrelated sample)
ZZZZZZ	H35526.D	10/21/09	17:20	06:32	(unrelated sample)
ZZZZZZ	H35527.D	10/21/09	17:51	07:03	(unrelated sample)
ZZZZZZ	H35528.D	10/21/09	18:14	07:26	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EH1919-DFTPP
Lab File ID: H35543.D
Instrument ID: GCMSH
Injection Date: 10/22/09
Injection Time: 11:03

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	27870	38.5		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	43827	60.5		Pass
70	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
127	40.0 - 60.0% of mass 198	38197	52.7		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	72445	100.0		Pass
199	5.0 - 9.0% of mass 198	5433	7.5		Pass
275	10.0 - 30.0% of mass 198	12215	16.9		Pass
365	1.0 - 100.0% of mass 198	1283	1.8		Pass
441	Present, but less than mass 443	5444	7.5	(88.3) [b]	Pass
442	40.0 - 100.0% of mass 198	33280	45.9		Pass
443	17.0 - 23.0% of mass 442	6166	8.5	(18.5) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EH1919-IC1919	H35545.D	10/22/09	12:02	00:59	Initial cal 1
EH1919-IC1919	H35546.D	10/22/09	12:27	01:24	Initial cal 0.1
EH1919-IC1919	H35547.D	10/22/09	12:54	01:51	Initial cal 0.2
EH1919-IC1919	H35548.D	10/22/09	13:24	02:21	Initial cal 10
EH1919-IC1919	H35549.D	10/22/09	13:50	02:47	Initial cal 5
EH1919-ICC1919	H35550.D	10/22/09	14:54	03:51	Initial cal 2.5
EH1919-ICV1919	H35551.D	10/22/09	15:18	04:15	Initial cal verification 2.5
OP13271-MB	H35552.D	10/22/09	15:49	04:46	Method Blank
OP13271-BS	H35553.D	10/22/09	16:19	05:16	Blank Spike
OP13271-BSD	H35554.D	10/22/09	16:48	05:45	Blank Spike Duplicate
ZZZZZZ	H35555.D	10/22/09	17:13	06:10	(unrelated sample)
ZZZZZZ	H35556.D	10/22/09	17:42	06:39	(unrelated sample)
ZZZZZZ	H35557.D	10/22/09	18:11	07:08	(unrelated sample)
ZZZZZZ	H35558.D	10/22/09	18:40	07:37	(unrelated sample)
ZZZZZZ	H35559.D	10/22/09	19:09	08:06	(unrelated sample)
ZZZZZZ	H35560.D	10/22/09	19:34	08:31	(unrelated sample)
ZZZZZZ	H35561.D	10/22/09	20:03	09:00	(unrelated sample)
T39513-1	H35562.D	10/22/09	20:32	09:29	MW17:1009
T39513-2	H35563.D	10/22/09	21:01	09:58	MW28:1009

Instrument Performance Check (DFTPP)

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EH1919-DFTPP
Lab File ID: H35543.D
Instrument ID: GCMSH
Injection Date: 10/22/09
Injection Time: 11:03

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
T39513-3	H35564.D	10/22/09	21:30	10:27	MW27:1009
T39513-4	H35566.D	10/22/09	22:27	11:24	MW10:1009

Instrument Performance Check (DFTPP)

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EH1920-DFTPP
Lab File ID: H35579.D
Instrument ID: GCMSH
Injection Date: 10/23/09
Injection Time: 10:52

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	37381	37.9		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	59141	59.9		Pass
70	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
127	40.0 - 60.0% of mass 198	52288	53.0		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	98720	100.0		Pass
199	5.0 - 9.0% of mass 198	7541	7.6		Pass
275	10.0 - 30.0% of mass 198	16213	16.4		Pass
365	1.0 - 100.0% of mass 198	1790	1.8		Pass
441	Present, but less than mass 443	6753	6.8	(80.6) [b]	Pass
442	40.0 - 100.0% of mass 198	43176	43.7		Pass
443	17.0 - 23.0% of mass 442	8380	8.5	(19.4) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EH1920-ICC1920	H35580.D	10/23/09	11:13	00:21	Initial cal 2.5
EH1920-IC1920	H35581.D	10/23/09	11:39	00:47	Initial cal 1
EH1920-IC1920	H35582.D	10/23/09	12:08	01:16	Initial cal 0.1
EH1920-IC1920	H35583.D	10/23/09	12:40	01:48	Initial cal 0.2
EH1920-IC1920	H35584.D	10/23/09	13:07	02:15	Initial cal 5
EH1920-IC1920	H35585.D	10/23/09	13:31	02:39	Initial cal 10
EH1920-ICV1920	H35586.D	10/23/09	14:13	03:21	Initial cal verification 2.5
ZZZZZZ	H35588.D	10/23/09	15:11	04:19	(unrelated sample)
ZZZZZZ	H35589.D	10/23/09	15:36	04:44	(unrelated sample)
ZZZZZZ	H35590.D	10/23/09	16:05	05:13	(unrelated sample)
ZZZZZZ	H35591.D	10/23/09	16:34	05:42	(unrelated sample)
ZZZZZZ	H35592.D	10/23/09	17:03	06:11	(unrelated sample)
ZZZZZZ	H35593.D	10/23/09	17:31	06:39	(unrelated sample)
ZZZZZZ	H35594.D	10/23/09	17:56	07:04	(unrelated sample)
ZZZZZZ	H35595.D	10/23/09	18:28	07:36	(unrelated sample)
ZZZZZZ	H35596.D	10/23/09	18:57	08:05	(unrelated sample)
ZZZZZZ	H35598.D	10/23/09	19:54	09:02	(unrelated sample)
ZZZZZZ	H35599.D	10/23/09	20:23	09:31	(unrelated sample)
ZZZZZZ	H35600.D	10/23/09	20:45	09:53	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EH1920-DFTPP
Lab File ID: H35579.D
Instrument ID: GCMSH
Injection Date: 10/23/09
Injection Time: 10:52

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
T39513-6	H35601.D	10/23/09	21:13	10:21	DUP
ZZZZZZ	H35602.D	10/23/09	21:42	10:50	(unrelated sample)
ZZZZZZ	H35603.D	10/23/09	22:11	11:19	(unrelated sample)
ZZZZZZ	H35604.D	10/23/09	22:40	11:48	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EH1921-DFTPP
Lab File ID: H35609.D
Instrument ID: GCMSH
Injection Date: 10/26/09
Injection Time: 11:48

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	30518	36.8		Pass
68	Less than 2.0% of mass 69	335	0.4	(0.66) [a]	Pass
69	Mass 69 relative abundance	51037	61.5		Pass
70	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
127	40.0 - 60.0% of mass 198	42709	51.5		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	82971	100.0		Pass
199	5.0 - 9.0% of mass 198	5941	7.2		Pass
275	10.0 - 30.0% of mass 198	14393	17.3		Pass
365	1.0 - 100.0% of mass 198	1044	1.3		Pass
441	Present, but less than mass 443	5735	6.9	(83.4) [b]	Pass
442	40.0 - 100.0% of mass 198	35488	42.8		Pass
443	17.0 - 23.0% of mass 442	6877	8.3	(19.4) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EH1921-ICC1921	H35610.D	10/26/09	12:05	00:17	Initial cal 2.5
EH1921-IC1921	H35611.D	10/26/09	12:39	00:51	Initial cal 1
EH1921-IC1921	H35612.D	10/26/09	13:07	01:19	Initial cal 0.1
EH1921-IC1921	H35613.D	10/26/09	13:36	01:48	Initial cal 0.2
EH1921-IC1921	H35614.D	10/26/09	14:02	02:14	Initial cal 5
EH1921-IC1921	H35615.D	10/26/09	14:31	02:43	Initial cal 10
EH1921-ICV1921	H35616.D	10/26/09	15:01	03:13	Initial cal verification 2.5
ZZZZZZ	H35618.D	10/26/09	16:42	04:54	(unrelated sample)
ZZZZZZ	H35619.D	10/26/09	17:10	05:22	(unrelated sample)
ZZZZZZ	H35620.D	10/26/09	17:37	05:49	(unrelated sample)
T39513-5	H35621.D	10/26/09	18:10	06:22	MW12:1009
T39513-7	H35622.D	10/26/09	18:35	06:47	MW13:1009
T39513-8	H35623.D	10/26/09	19:03	07:15	MW14:1009
T39513-8	H35624.D	10/26/09	19:37	07:49	MW14:1009
T39513-5	H35625.D	10/26/09	20:34	08:46	MW12:1009
ZZZZZZ	H35626.D	10/26/09	21:05	09:17	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EJ615-DFTPP
Lab File ID: J13332.D
Instrument ID: GCMSJ
Injection Date: 09/23/09
Injection Time: 10:37

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	273877	40.7		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	279189	41.5		Pass
70	Less than 2.0% of mass 69	1498	0.22	(0.54) [a]	Pass
127	40.0 - 60.0% of mass 198	316309	47.0		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	672661	100.0		Pass
199	5.0 - 9.0% of mass 198	45149	6.7		Pass
275	10.0 - 30.0% of mass 198	190080	28.3		Pass
365	1.0 - 100.0% of mass 198	27997	4.2		Pass
441	Present, but less than mass 443	92136	13.7	(81.4) [b]	Pass
442	40.0 - 100.0% of mass 198	588053	87.4		Pass
443	17.0 - 23.0% of mass 442	113253	16.8	(19.3) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EJ615-IC615	J13335.D	09/23/09	11:52	01:15	Initial cal 5
EJ615-IC615	J13336.D	09/23/09	12:23	01:46	Initial cal 10
EJ615-IC615	J13337.D	09/23/09	12:53	02:16	Initial cal 25
EJ615-IC615	J13338.D	09/23/09	13:22	02:45	Initial cal 100
EJ615-IC615	J13339.D	09/23/09	13:52	03:15	Initial cal 125
EJ615-ICC615	J13340.D	09/23/09	14:21	03:44	Initial cal 50
EJ615-IC615	J13341.D	09/23/09	14:51	04:14	Initial cal 75
EJ615-ICV615	J13342.D	09/23/09	15:21	04:44	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EJ629-DFTPP
Lab File ID: J13687.D
Instrument ID: GCMSJ
Injection Date: 10/08/09
Injection Time: 10:34

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	135432	47.0		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	130341	45.2		Pass
70	Less than 2.0% of mass 69	563	0.2	(0.43) [a]	Pass
127	40.0 - 60.0% of mass 198	144448	50.1		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	288299	100.0		Pass
199	5.0 - 9.0% of mass 198	19921	6.9		Pass
275	10.0 - 30.0% of mass 198	84237	29.2		Pass
365	1.0 - 100.0% of mass 198	14155	4.9		Pass
441	Present, but less than mass 443	42573	14.8	(83.7) [b]	Pass
442	40.0 - 100.0% of mass 198	266517	92.4		Pass
443	17.0 - 23.0% of mass 442	50891	17.7	(19.1) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EJ629-CC615	J13688.D	10/08/09	10:50	00:16	Continuing cal 50
EJ629-ICC629	J13689.D	10/08/09	11:20	00:46	Initial cal 50
EJ629-IC629	J13690.D	10/08/09	11:50	01:16	Initial cal 40
EJ629-IC629	J13691.D	10/08/09	12:21	01:47	Initial cal 75
EJ629-IC629	J13692.D	10/08/09	12:51	02:17	Initial cal 5
EJ629-IC629	J13693.D	10/08/09	13:22	02:48	Initial cal 25
EJ629-IC629	J13694.D	10/08/09	13:52	03:18	Initial cal 100
EJ629-ICV629	J13695.D	10/08/09	14:26	03:52	Initial cal verification 50
OP13205-MB	J13696.D	10/08/09	14:56	04:22	Method Blank
OP13205-BS	J13700.D	10/08/09	17:27	06:53	Blank Spike
OP13205-BSD	J13701.D	10/08/09	17:59	07:25	Blank Spike Duplicate

Instrument Performance Check (DFTPP)

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EJ633-DFTPP
Lab File ID: J13783.D
Instrument ID: GCMSJ
Injection Date: 10/13/09
Injection Time: 10:48

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	246976	37.4		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	253013	38.3		Pass
70	Less than 2.0% of mass 69	1327	0.2	(0.52) [a]	Pass
127	40.0 - 60.0% of mass 198	303659	46.0		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	660139	100.0		Pass
199	5.0 - 9.0% of mass 198	44592	6.8		Pass
275	10.0 - 30.0% of mass 198	189269	28.7		Pass
365	1.0 - 100.0% of mass 198	26997	4.1		Pass
441	Present, but less than mass 443	90485	13.7	(79.2) [b]	Pass
442	40.0 - 100.0% of mass 198	594219	90.0		Pass
443	17.0 - 23.0% of mass 442	114219	17.3	(19.2) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EJ633-CC615	J13784.D	10/13/09	11:00	00:12	Continuing cal 75
OP13230-MB	J13786.D	10/13/09	11:59	01:11	Method Blank
OP13100-MS	J13787.D	10/13/09	12:28	01:40	Matrix Spike
OP13100-MSD	J13788.D	10/13/09	12:58	02:10	Matrix Spike Duplicate
OP13230-BS	J13791.D	10/13/09	14:25	03:37	Blank Spike
OP13230-BSD	J13792.D	10/13/09	14:55	04:07	Blank Spike Duplicate
ZZZZZZ	J13793.D	10/13/09	15:24	04:36	(unrelated sample)
T39513-1	J13795.D	10/13/09	16:23	05:35	MW17:1009
T39513-2	J13796.D	10/13/09	16:53	06:05	MW28:1009
T39513-3	J13797.D	10/13/09	17:23	06:35	MW27:1009
T39513-4	J13798.D	10/13/09	17:52	07:04	MW10:1009
T39513-6	J13799.D	10/13/09	18:21	07:33	DUP
T39513-5	J13800.D	10/13/09	18:50	08:02	MW12:1009
T39513-7	J13801.D	10/13/09	19:20	08:32	MW13:1009
OP13230-MS	J13803.D	10/13/09	20:19	09:31	Matrix Spike
OP13230-MSD	J13804.D	10/13/09	20:49	10:01	Matrix Spike Duplicate
T39513-4	J13805.D	10/13/09	21:18	10:30	MW10:1009
T39513-5	J13806.D	10/13/09	21:48	11:00	MW12:1009
T39513-7	J13807.D	10/13/09	22:17	11:29	MW13:1009

Instrument Performance Check (DFTPP)

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EJ633-DFTPP
Lab File ID: J13783.D
Instrument ID: GCMSJ
Injection Date: 10/13/09
Injection Time: 10:48

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	J13808.D	10/13/09	22:46	11:58	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EJ635-DFTPP
Lab File ID: J13836.D
Instrument ID: GCMSJ
Injection Date: 10/15/09
Injection Time: 10:36

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	153160	44.8		Pass
68	Less than 2.0% of mass 69	1515	0.44	(1.0) [a]	Pass
69	Mass 69 relative abundance	150896	44.1		Pass
70	Less than 2.0% of mass 69	628	0.18	(0.42) [a]	Pass
127	40.0 - 60.0% of mass 198	170973	50.0		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	342208	100.0		Pass
199	5.0 - 9.0% of mass 198	23057	6.7		Pass
275	10.0 - 30.0% of mass 198	97936	28.6		Pass
365	1.0 - 100.0% of mass 198	15990	4.7		Pass
441	Present, but less than mass 443	47837	14.0	(80.0) [b]	Pass
442	40.0 - 100.0% of mass 198	308096	90.0		Pass
443	17.0 - 23.0% of mass 442	59784	17.5	(19.4) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EJ635-CC615	J13837.D	10/15/09	10:48	00:12	Continuing cal 50
EJ635-CC629	J13838.D	10/15/09	11:20	00:44	Continuing cal 50
ZZZZZZ	J13840.D	10/15/09	12:25	01:49	(unrelated sample)
ZZZZZZ	J13841.D	10/15/09	12:54	02:18	(unrelated sample)
ZZZZZZ	J13842.D	10/15/09	13:23	02:47	(unrelated sample)
ZZZZZZ	J13843.D	10/15/09	13:53	03:17	(unrelated sample)
T39513-8	J13845.D	10/15/09	14:51	04:15	MW14:1009
T39513-8	J13846.D	10/15/09	15:21	04:45	MW14:1009
ZZZZZZ	J13847.D	10/15/09	15:50	05:14	(unrelated sample)
ZZZZZZ	J13848.D	10/15/09	16:19	05:43	(unrelated sample)
ZZZZZZ	J13849.D	10/15/09	16:49	06:13	(unrelated sample)
ZZZZZZ	J13850.D	10/15/09	17:18	06:42	(unrelated sample)
ZZZZZZ	J13851.D	10/15/09	17:47	07:11	(unrelated sample)
ZZZZZZ	J13852.D	10/15/09	18:17	07:41	(unrelated sample)
ZZZZZZ	J13853.D	10/15/09	18:46	08:10	(unrelated sample)
ZZZZZZ	J13854.D	10/15/09	19:16	08:40	(unrelated sample)
ZZZZZZ	J13855.D	10/15/09	19:45	09:09	(unrelated sample)
ZZZZZZ	J13857.D	10/15/09	20:44	10:08	(unrelated sample)
ZZZZZZ	J13858.D	10/15/09	21:13	10:37	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample:	EJ635-DFTPP	**Injection Date:**	10/15/09
Lab File ID:	J13836.D	**Injection Time:**	10:36
Instrument ID:	GCMSJ		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	J13859.D	10/15/09	21:42	11:06	(unrelated sample)

Semivolatile Internal Standard Area Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Check Std:	EH1918-ICC1918	**Injection Date:**	10/21/09
Lab File ID:	H35513.D	**Injection Time:**	11:02
Instrument ID:	GCMSH	**Method:**	SW846 8270C BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	74952	5.65	71607	7.56	63482	9.57	78072	11.09	38772	13.89	6173	16.35
Upper Limit [a]	149904	6.15	143214	8.06	126964	10.07	156144	11.59	77544	14.39	12346	16.85
Lower Limit [b]	37476	5.15	35804	7.06	31741	9.07	39036	10.59	19386	13.39	3087	15.85

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP13270-MB	69791	5.65	64084	7.56	39063	9.57	59399	11.09	35168	13.89	7436	16.35
OP13270-BS [c]	79921	5.65	84780	7.56	42809	9.57	78803	11.09	43314	13.89	7925	16.35
OP13270-BSD [c]	80116	5.65	78986	7.56	44110	9.57	74813	11.09	46659	13.88	9333	16.35
ZZZZZZ	71622	5.65	63559	7.56	35610	9.57	65426	11.09	33990	13.88	6313	16.35
ZZZZZZ	86994	5.65	77445	7.56	47381	9.57	75488	11.09	31271	13.88	4505	16.37
ZZZZZZ	89975	5.65	92876	7.56	41661	9.57	92673	11.09	40270	13.88	7494	16.35
ZZZZZZ	80316	5.65	81679	7.56	49031	9.57	73911	11.09	43847	13.89	8494	16.35
ZZZZZZ	66487	5.65	57241	7.56	34820	9.57	61393	11.09	23898	13.90	5725	16.37
ZZZZZZ	65206	5.65	69226	7.56	40925	9.57	65060	11.09	32132	13.89	6581	16.35

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Recoveries were adjusted for 1:10 dilution of the 8270 spike amount.

Semivolatile Internal Standard Area Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Check Std:	EH1919-ICC1919	**Injection Date:**	10/22/09
Lab File ID:	H35550.D	**Injection Time:**	14:54
Instrument ID:	GCMSH	**Method:**	SW846 8270C BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	71352	5.66	45874	7.57	47140	9.57	61620	11.09	12651	13.90	6928	16.36
Upper Limit [a]	142704	6.16	91748	8.07	94280	10.07	123240	11.59	25302	14.40	13856	16.86
Lower Limit [b]	35676	5.16	22937	7.07	23570	9.07	30810	10.59	6326	13.40	3464	15.86

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP13271-MB	70527	5.66	45925	7.57	38404	9.57	59137	11.09	11146	13.90	3749	16.38
OP13271-BS [c]	103126	5.66	61058	7.57	64984	9.57	89100	11.09	16484	13.90	6746	16.37
OP13271-BSD [c]	105421	5.66	66786	7.54	67957	9.57	91380	11.09	22443	13.90	8757	16.37
ZZZZZZ	71062	5.66	53929	7.57	50423	9.57	70217	11.09	16097	13.90	5259	16.37
ZZZZZZ	79912	5.66	51932	7.57	49237	9.57	74538	11.09	15029	13.90	5782	16.37
ZZZZZZ	84833	5.66	57510	7.57	53957	9.57	74148	11.09	13890	13.90	6081	16.37
ZZZZZZ	92182	5.66	65406	7.57	71113	9.57	81737	11.09	16483	13.90	5496	16.37
ZZZZZZ	107513	5.66	70740	7.57	76858	9.57	89776	11.09	13355	13.90	5552	16.37
ZZZZZZ	96900	5.66	62318	7.57	68350	9.57	82190	11.09	14360	13.90	6150	16.37
ZZZZZZ	94178	5.63	56938	7.57	63710	9.57	71374	11.09	13876	13.90	5750	16.37
T39513-1	78869	5.63	66787	7.54	67764	9.57	83833	11.09	16087	13.90	5085	16.35
T39513-2	93386	5.63	70576	7.54	62797	9.57	98328	11.09	15358	13.90	5142	16.37
T39513-3	89791	5.63	61777	7.54	69059	9.57	88852	11.09	11961	13.90	4468	16.38
T39513-4	73649	5.66	64258	7.57	41911	9.57	73966	11.09	15469	13.90	4929	16.37

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Recoveries were adjusted for 1:10 dilution of the 8270 spike amount.

Semivolatile Internal Standard Area Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Check Std: EH1920-ICC1920 **Injection Date:** 10/23/09
Lab File ID: H35580.D **Injection Time:** 11:13
Instrument ID: GCMSH **Method:** SW846 8270C BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	99258	5.63	92355	7.54	65780	9.57	81086	11.09	9097	13.90	4085	16.38
Upper Limit [a]	198516	6.13	184710	8.04	131560	10.07	162172	11.59	18194	14.40	8170	16.88
Lower Limit [b]	49629	5.13	46178	7.04	32890	9.07	40543	10.59	4549	13.40	2043	15.88

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
ZZZZZZ	89429	5.63	88061	7.54	51764	9.57	86210	11.09	10836	13.90	3684	16.37
ZZZZZZ	102446	5.63	80744	7.54	71204	9.57	90555	11.09	13944	13.90	4004	16.38
ZZZZZZ	98217	5.63	91523	7.54	59842	9.57	103625	11.09	19954*	13.90	4810	16.38
ZZZZZZ	111903	5.63	359477*	7.74	73219	9.60	61616	11.11	8642	13.90	4297	16.37
ZZZZZZ	96814	5.63	88464	7.54	67931	9.57	119443	11.09	26997*	13.89	6004	16.37
ZZZZZZ	88107	5.63	69180	7.57	72035	9.57	92496	11.09	14676	13.90	3601	16.40
ZZZZZZ	101956	5.63	375050*	7.69	36621	9.57	64740	11.09	6988	13.90	4397	16.37
ZZZZZZ	83199	5.68	94813	7.60	35438	9.57	90670	11.09	9377	13.90	3580	16.38
ZZZZZZ	88199	5.66	99633	7.60	68056	9.57	103262	11.09	17887	13.92	4819	16.40
ZZZZZZ	88599	5.66	102950	7.60	62056	9.57	112878	11.09	17503	13.90	4346	16.40
ZZZZZZ	79748	5.63	63825	7.54	60715	9.57	85179	11.09	13657	13.90	4104	16.40
ZZZZZZ	70341	5.63	53261	7.54	57262	9.57	62898	11.09	6337	13.94	3170	16.42
T39513-6	102972	5.63	90701	7.54	77689	9.57	93763	11.09	11572	13.92	3829	16.42
ZZZZZZ	86061	5.63	144022	7.57	54265	9.60	41302	11.11	6439	13.89	3852	16.37
ZZZZZZ	73468	5.63	97389	7.60	46390	9.60	58193	11.09	6915	13.90	3557	16.37
ZZZZZZ	83538	5.63	628383*	7.78	29743*	9.60	66271	11.09	7246	13.90	3708	16.38

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Internal Standard Area Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Check Std:	EH1921-ICC1921	**Injection Date:**	10/26/09
Lab File ID:	H35610.D	**Injection Time:**	12:05
Instrument ID:	GCMSH	**Method:**	SW846 8270C BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	83144	5.63	75243	7.54	57620	9.57	61980	11.09	8019	13.94	3605	16.42
Upper Limit [a]	166288	6.13	150486	8.04	115240	10.07	123960	11.59	16038	14.44	7210	16.92
Lower Limit [b]	41572	5.13	37622	7.04	28810	9.07	30990	10.59	4010	13.44	1803	15.92

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
ZZZZZZ	53691	5.66	32985*	7.54	46326	9.57	60420	11.09	10448	13.94	3716	16.45
ZZZZZZ	56398	5.66	114638	7.54	36708	9.59	42353	11.09	6334	13.90	2878	16.40
ZZZZZZ	68213	5.63	64584	7.54	41158	9.57	88087	11.09	16262*	13.90	4126	16.40
T39513-5	69572	5.63	754538*	7.77	56791	9.60	53828	11.11	5274	13.90	2156	16.40
T39513-7	75269	5.63	140861	7.72	49636	9.60	49634	11.11	6655	13.90	4023	16.38
T39513-8	84620	5.66	82684	7.60	42425	9.59	46864	11.09	5899	13.92	4771	16.40
T39513-8	77697	5.63	57025	7.57	42967	9.57	93647	11.09	10193	13.92	4858	16.43
T39513-5	67973	5.63	68335	7.72	54883	9.57	82706	11.09	13906	13.90	3840	16.42
ZZZZZZ	65112	5.66	47361	7.57	57996	9.57	56693	11.09	7349	13.97	4365	16.45

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Internal Standard Area Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Check Std:	EJ633-CC615	**Injection Date:**	10/13/09
Lab File ID:	J13784.D	**Injection Time:**	11:00
Instrument ID:	GCMSJ	**Method:**	SW846 8270C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	555737	4.70	1893633	5.91	1102945	8.37	1593994	11.15	1794959	16.69	951436	19.48
Upper Limit [a]	1111474	5.20	3787266	6.41	2205890	8.87	3187988	11.65	3589918	17.19	1902872	19.98
Lower Limit [b]	277869	4.20	946817	5.41	551473	7.87	796997	10.65	897480	16.19	475718	18.98

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP13230-MB	578111	4.70	2116777	5.90	1236902	8.35	1909318	11.13	2091599	16.65	1671743	19.46
OP13100-MS	541057	4.70	2363899	5.91	1399114	8.37	2078159	11.15	1727810	16.66	1053630	19.46
OP13100-MSD	501845	4.70	2190434	5.91	1197729	8.37	1605679	11.14	1199641	16.66	796798	19.45
OP13230-BS	585680	4.70	2331791	5.91	1207031	8.36	1813814	11.14	1659011	16.66	933588	19.46
OP13230-BSD	546438	4.70	2211198	5.91	1170125	8.36	1851081	11.14	1596670	16.66	909364	19.46
ZZZZZZ	562401	4.70	2056280	5.90	1168457	8.35	1701146	11.13	1303209	16.65	632586	19.45
T39513-1	510815	4.70	1888815	5.90	1099992	8.36	1639293	11.13	1186039	16.65	775187	19.46
T39513-2	587994	4.70	2206476	5.90	1202868	8.36	1592062	11.13	994918	16.64	674418	19.45
T39513-3	509735	4.70	1973905	5.90	1098666	8.36	1643209	11.13	1397154	16.65	949939	19.46
T39513-4	493610	4.70	1961240	5.91	1104127	8.36	1593351	11.14	1170862	16.65	754073	19.45
T39513-6	525286	4.70	1982391	5.90	1098526	8.35	1579724	11.13	1358066	16.65	911535	19.45
T39513-5	549355	4.70	2008864	5.90	1105191	8.35	1626570	11.13	1219443	16.64	712510	19.45
T39513-7	480717	4.70	1743060	5.90	1015939	8.35	1579610	11.13	1576324	16.65	904989	19.45
OP13230-MS	578227	4.70	2079970	5.91	1212764	8.36	1765026	11.14	1362616	16.67	675527	19.46
OP13230-MSD	497658	4.70	1825808	5.90	1109568	8.36	1710634	11.14	1270114	16.67	631717	19.46
T39513-4	588486	4.70	2181170	5.90	1226232	8.35	1821594	11.13	1270745	16.64	747958	19.45
T39513-5 [c]	493180	4.70	2107840	5.93	1174526	8.36	1870164	11.14	1425202	16.65	772428	19.45
T39513-7	477673	4.70	1872718	5.91	1027226	8.35	1486616	11.13	1050089	16.65	600868	19.45
ZZZZZZ	481718	4.70	1739695	5.90	959868	8.35	1336933	11.12	935199	16.64	651325	19.45

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Elevated reporting limits due to matrix interference.High concentration of non-target compounds were detected in the sample.

Semivolatile Internal Standard Area Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Check Std:	EJ635-CC615	**Injection Date:**	10/15/09
Lab File ID:	J13837.D	**Injection Time:**	10:48
Instrument ID:	GCMSJ	**Method:**	SW846 8270C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	539415	4.71	1885588	5.92	1052291	8.38	1359423	11.15	968945	16.69	501293	19.48
Upper Limit [a]	1078830	5.21	3771176	6.42	2104582	8.88	2718846	11.65	1937890	17.19	1002586	19.98
Lower Limit [b]	269708	4.21	942794	5.42	526146	7.88	679712	10.65	484473	16.19	250647	18.98

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
ZZZZZZ	554240	4.71	2145664	5.92	1093529	8.37	1413014	11.14	900268	16.66	548292	19.47
ZZZZZZ	576798	4.71	2152765	5.91	1137588	8.36	1491557	11.14	1169961	16.66	756868	19.47
ZZZZZZ	480896	4.70	1700995	5.91	883883	8.36	1095731	11.14	747262	16.66	507872	19.47
ZZZZZZ	495656	4.70	1738098	5.91	869745	8.36	1053338	11.14	610108	16.66	372500	19.47
T39513-8	460310	4.70	1623858	5.92	980222	8.37	1604552	11.15	934724	16.69	487207	19.48
T39513-8	454228	4.70	1613057	5.91	853156	8.36	1085553	11.14	669531	16.66	427044	19.48
ZZZZZZ	477316	4.70	1921185	5.95	1159080	8.38	1920586	11.17	909615	16.72	527186	19.50
ZZZZZZ	490395	4.70	1739382	5.91	906797	8.36	1182527	11.14	782224	16.66	514143	19.48
ZZZZZZ	334257	4.71	1383485	5.92	780819	8.37	1287438	11.17	849343	16.69	370331	19.48
ZZZZZZ	518277	4.71	1825600	5.91	1033614	8.37	1509414	11.14	1053457	16.67	592544	19.48
ZZZZZZ	474488	4.70	1684529	5.91	934800	8.37	1272197	11.14	805485	16.67	488637	19.48
ZZZZZZ	476685	4.70	1656863	5.91	906275	8.36	1121162	11.14	756081	16.66	503566	19.48
ZZZZZZ	563013	4.71	2040566	5.91	1045813	8.36	1251926	11.14	733223	16.66	461971	19.48
ZZZZZZ	501233	4.70	1755098	5.91	917539	8.36	1124462	11.14	681881	16.66	467256	19.47
ZZZZZZ	517351	4.70	1833636	5.91	1033401	8.36	1501970	11.14	1171419	16.67	692734	19.47
ZZZZZZ	543356	4.70	1880504	5.91	1009726	8.36	1228065	11.14	779139	16.66	552984	19.47
ZZZZZZ	472334	4.71	1681619	5.91	884364	8.36	1094864	11.14	772440	16.66	552717	19.47
ZZZZZZ	493298	4.71	1752857	5.91	907877	8.36	1041920	11.14	657278	16.66	465513	19.47

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Surrogate Recovery Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Method: SW846 8270C **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
T39513-1	J13795.D	28.0	26.0	76.0	40.0	36.0	86.0
T39513-2	J13796.D	42.0	32.0	73.0	59.0	52.0	87.0
T39513-3	J13797.D	49.0	37.0	71.0	66.0	57.0	91.0
T39513-4	J13805.D	45.0	35.0	72.0	68.0	59.0	90.0
T39513-4	J13798.D	50.0	39.0	83.0	67.0	58.0	85.0
T39513-5	J13806.D	62.0	49.0	87.0	77.0	75.0	105.0
T39513-5	J13800.D	61.0	47.0	75.0	87.0	85.0	106.0
T39513-6	J13799.D	46.0	35.0	76.0	69.0	61.0	86.0
T39513-7	J13807.D	63.0	48.0	84.0	81.0	80.0	105.0
T39513-7	J13801.D	52.0	39.0	62.0	72.0	74.0	83.0
T39513-8	J13846.D	0.0* [a]	0.0* [a]	0.0* [a]	0.0* [a]	0.0* [a]	0.0* [a]
T39513-8	J13845.D	22.0	30.0	30.0* [a]	148.0* [a]	44.0	66.0
OP13230-BS	J13791.D	44.0	29.0	88.0	71.0	77.0	87.0
OP13230-BSD	J13792.D	44.0	30.0	87.0	71.0	76.0	94.0
OP13230-MB	J13786.D	46.0	11.0	67.0	72.0	62.0	65.0
OP13230-MS	J13803.D	58.0	52.0	77.0	67.0	63.0	83.0
OP13230-MSD	J13804.D	67.0*	61.0*	86.0	77.0	71.0	100.0

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	10-66%
S2 = Phenol-d5	10-53%
S3 = 2,4,6-Tribromophenol	32-128%
S4 = Nitrobenzene-d5	29-115%
S5 = 2-Fluorobiphenyl	34-113%
S6 = Terphenyl-d14	12-145%

(a) Outside control limits due to dilution.

Semivolatile Surrogate Recovery Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Method: SW846 8270C BY SIM **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
T39513-1	H35562.D	27.0 [a]	24.0 [a]	108.0 [a]
T39513-2	H35563.D	36.0 [a]	51.0 [a]	97.0 [a]
T39513-3	H35564.D	43.0 [a]	51.0 [a]	110.0 [a]
T39513-4	H35566.D	54.0 [a]	107.0 [a]	106.0 [a]
T39513-5	H35621.D	18.0 [a]	39.0 [a]	135.0 [a]
T39513-5	H35625.D	115.0 [a]	129.0 [a]	155.0 [a]
T39513-6	H35601.D	59.0 [a]	69.0 [a]	105.0 [a]
T39513-7	H35622.D	92.0 [a]	106.0 [a]	101.0 [a]
T39513-8	H35624.D	0.0* [b]	0.0* [b]	0.0* [b]
T39513-8	H35623.D	32.0 [a]	65.0 [a]	98.0 [a]
OP13270-BS	H35521.D	71.0	84.0	82.0
OP13270-BSD	H35522.D	68.0	81.0	76.0
OP13270-MB	H35520.D	96.0 [c]	1200.0 [c]	111.0 [c]

Surrogate Compounds	Recovery Limits
S1 = Nitrobenzene-d5	17-131%
S2 = 2-Fluorobiphenyl	15-137%
S3 = Terphenyl-d14	10-160%

(a) Recovery was adjusted for 10x spiking.
(b) Outside control limits due to dilution.
(c) Recoveries were adjusted for 10x spiking.

Initial Calibration Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: EH1918-ICC1918
Lab FileID: H35513.D

```
                         Response Factor Report  TXMSH

 Method       : C:\HPCHEM\1\METHODS\H10219SP.M (RTE Integrator)
 Title        : SIM METHOD FOR BNA
 Last Update  : Wed Oct 21 14:15:44 2009
 Response via : Initial Calibration

 Calibration Files
 0.1 =H35515.D    5   =H35517.D    1   =H35514.D    2.5 =H35513.D
 0.2 =H35516.D    10  =H35518.D        =

    Compound             0.1   5     1     2.5   0.2   10          Avg   %RSD
 ---------------------------------------------------------------------------

 1) I   1,4-Dichlorobenzene-d ----------------ISTD---------------------
 2)I N-Nitrosodimethyl                                            0.000  -1.00
 3)I N-Nitroso-di-n-pr                                            0.000  -1.00

 4) I   Naphthalene-d8        ----------------ISTD---------------------
 5)S Nitrobenzene-d5   0.156 0.224 0.199 0.219 0.085 0.146       0.172  30.96
            ---- Quadratic regression ----  Coefficient =  0.9959
              Response Ratio = -0.06229 + 0.29588 *A + -0.01152 *A^2

 6)T Naphthalene       1.313 0.776 1.134 0.967 1.151 0.659       1.000  24.73
            ---- Quadratic regression ----  Coefficient =  0.9975
              Response Ratio = 0.03007 + 0.92245 *A + -0.11112 *A^2

 7)  2-Methylnaphthale 0.311 1.401 1.148 1.474 0.458 1.200       0.999  49.36
            ---- Quadratic regression ----  Coefficient =  0.9994
              Response Ratio = -0.06428 + 1.66487 *A + -0.17518 *A^2

 8)  1-Methylnaphthale 1.366 1.174 1.913 1.433 1.038 0.960       1.314  26.30
            ---- Quadratic regression ----  Coefficient =  0.9957
              Response Ratio = 0.03314 + 1.44482 *A + -0.20086 *A^2


 9) I   Acenaphthene-d10      ----------------ISTD---------------------
10)S 2-Fluorobiphenyl  2.510 3.482 2.577 2.579 2.054 2.967       2.695  17.92
            ---- Quadratic regression ----  Coefficient =  0.9928
              Response Ratio = -0.83418 + 3.65215 *A + -0.04769 *A^2

11)T Acenaphthylene    2.543 2.104 1.807 2.203 2.349 2.482       2.248  12.08
12)T Acenaphthene      2.127 2.547 2.253 2.411 1.945 2.438       2.287   9.78
13)  Dibenzofuran      2.470 1.592 2.195 1.346 2.133 1.539       1.879  23.75
            ---- Quadratic regression ----  Coefficient =  0.9962
              Response Ratio = 0.04899 + 1.48334 *A + 0.01581 *A^2

14)T Fluorene          1.073 0.958 1.145 0.869 1.250 0.981       1.046  13.21

15) I   Phenanthrene-d10      ----------------ISTD---------------------
16)S 2,4,6-Tribromophe 0.068 0.159 0.136 0.160 0.117 0.142       0.130  26.33
            ---- Quadratic regression ----  Coefficient =  0.9996
              Response Ratio = -0.04921 + 0.17858 *A + -0.00139 *A^2

17)  Pentachlorophenol                                            0.000  -1.00
18)T Phenanthrene      2.078 2.030 1.763 1.968 1.615 2.086       1.923   9.98
19)T Anthracene        2.284 1.908 1.979 2.053 1.921 1.807       1.992   8.27
20)T Fluoranthene      1.738 1.712 1.846 1.869 1.396 1.677       1.706   9.95

21) I   Chrysene-d12          ----------------ISTD---------------------
```

Initial Calibration Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EH1918-ICC1918
Lab FileID: H35513.D

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22)T Pyrene            5.393 3.002 3.463 3.399 3.550 2.835       3.607  25.47
            ---- Quadratic regression ----  Coefficient =  0.9994
              Response Ratio = 0.06023 + 3.23251 *A + -0.17071 *A^2

23)S Terphenyl-d14     0.883 0.831 0.784 0.729 0.678 0.650       0.759  11.84
24)T Benzo[a]anthracen 1.215 1.386 1.438 1.294 0.961 1.495       1.298  14.89
25)T Chrysene          1.943 1.589 1.442 1.737 1.322 1.560       1.599  13.72

26) I   Perylene-d12          ----------------ISTD---------------------
27)T Benzo[b]fluoranth 0.856 1.752 0.954 1.789 0.626 2.400       1.396  49.29
            ---- Quadratic regression ----  Coefficient =  0.9984
              Response Ratio = -0.02291 + 1.28253 *A + 0.44842 *A^2

28)T Benzo[k]fluoranth 1.704 2.915 2.173 2.983 1.505 2.591       2.312  26.89
            ---- Quadratic regression ----  Coefficient =  0.9990
              Response Ratio = -0.11840 + 3.31669 *A + -0.26976 *A^2

29)T Benzo[a]pyrene    0.848 1.678 1.392 1.542 0.603 1.721       1.297  35.78
            ---- Quadratic regression ----  Coefficient =  0.9998
              Response Ratio = -0.04852 + 1.64566 *A + 0.03863 *A^2

30)T Indeno[1,2,3-cd]p 0.435 0.680 0.757 0.562 0.537 0.630       0.600  18.95
            ---- Quadratic regression ----  Coefficient =  0.9970
              Response Ratio = -0.00795 + 0.68227 *A + -0.01877 *A^2

31)T Dibenz[a,h]anthra 0.368 0.468 0.485 0.353 0.184 0.440       0.383  29.04
            ---- Quadratic regression ----  Coefficient =  0.9954
              Response Ratio = -0.01108 + 0.45630 *A + -0.00408 *A^2

32)T Benzo[g,h,i]peryl 0.465 0.563 0.720 0.493 0.426 0.472       0.523  20.35
            ---- Quadratic regression ----  Coefficient =  0.9958
              Response Ratio = -0.00368 + 0.61454 *A + -0.05592 *A^2

-------------------------------------------------------------------------------
(#) = Out of Range

          H10219SP.M        Wed Oct 21 14:38:54 2009
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7.7.1

7

Initial Calibration Verification

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: EH1918-ICV1918
Lab FileID: H35519.D

Evaluate Continuing Calibration Report

```
Data File : C:\HPCHEM\1\DATA\EH1918\H35519.D            Vial: 8
Acq On    : 21 Oct 2009   1:57 pm                   Operator: sheilac
Sample    : icv1918-2.5                             Inst    : TXMSH
Misc      : OP12779,EH1918,1000,,,1,1,water         Multiplr: 1.00
MS Integration Params: RTEINT.P

Method       : C:\HPCHEM\1\METHODS\H10219SP.M (RTE Integrator)
Title        : SIM METHOD FOR BNA
Last Update  : Wed Oct 21 14:43:08 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  30%     Max. Rel. Area : 200%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	152	0.00	5.65
2	I	N-Nitrosodimethylamine		----------NA----------				
3	I	N-Nitroso-di-n-propylamin		----------NA----------				
4	I	Naphthalene-d8	1.000	1.000	0.0	183	0.00	7.56
5	S	Nitrobenzene-d5		----------NA----------				
		----------	Amount	Calc.	%Drift		----------	
6	T	Naphthalene	2.500	2.490	0.4	170	0.00	7.59
7		2-Methylnaphthalene	2.500	2.400	4.0	173	0.00	8.45
8		1-Methylnaphthalene	2.500	2.427	2.9	171	0.00	8.56
		----------	AvgRF	CCRF	%Dev		----------	
9	I	Acenaphthene-d10	1.000	1.000	0.0	101	0.00	9.57
10	S	2-Fluorobiphenyl		----------NA----------				
11	T	Acenaphthylene	2.248	2.139	4.8	98	0.03	9.43
12	T	Acenaphthene	2.287	2.508	-9.7	105	0.00	9.60
13		Dibenzofuran	1.879	2.245	-19.5	168	0.00	9.81
14	T	Fluorene	1.046	1.289	-23.2	149	0.00	10.16
15	I	Phenanthrene-d10	1.000	1.000	0.0	128	0.00	11.09
16	S	2,4,6-Tribromophenol		----------NA----------				
17		Pentachlorophenol		----------NA----------				
18	T	Phenanthrene	1.923	1.897	1.4	123	0.00	11.11
19	T	Anthracene	1.992	2.235	-12.2	139	0.00	11.17
20	T	Fluoranthene	1.706	1.878	-10.1	128	0.00	12.29
21	I	Chrysene-d12	1.000	1.000	0.0	141	0.00	13.89
		----------	Amount	Calc.	%Drift		----------	
22	T	Pyrene	2.500	2.534	-1.4	135	0.02	12.53
		----------	AvgRF	CCRF	%Dev		----------	
23	S	Terphenyl-d14		----------NA----------				
24	T	Benzo[a]anthracene	1.298	1.376	-6.0	150	0.00	13.87
25	T	Chrysene	1.599	1.706	-6.7	138	0.00	13.92
26	I	Perylene-d12	1.000	1.000	0.0	193	0.00	16.35
		----------	Amount	Calc.	%Drift		----------	
27	T	Benzo[b]fluoranthene	2.500	2.761	-10.4	186	0.02	15.62

Initial Calibration Verification

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EH1918-ICV1918
Lab FileID: H35519.D

28	T	Benzo[k]fluoranthene	2.500	2.417	3.3	185	0.00	15.66
29	T	Benzo[a]pyrene	2.500	2.456	1.8	196	0.00	16.24
30	T	Indeno[1,2,3-cd]pyrene	2.500	2.607	-4.3	236	-0.02	18.68
31	T	Dibenz[a,h]anthracene	2.500	2.571	-2.8	246	-0.02	18.68
32	T	Benzo[g,h,i]perylene	2.500	2.610	-4.4	234	-0.02	19.27

H35513.D H10219SP.M Wed Oct 21 14:44:12 2009

Initial Calibration Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: EH1919-ICC1919
Lab FileID: H35550.D

```
                         Response Factor Report  TXMSH

 Method       : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
 Title        : SIM METHOD FOR BNA
 Last Update  : Thu Oct 22 16:11:15 2009
 Response via : Initial Calibration

 Calibration Files
 0.1 =H35546.D    5   =H35549.D    1   =H35545.D    2.5 =H35550.D
 0.2 =H35547.D    10  =H35548.D        =

    Compound             0.1   5     1     2.5   0.2   10          Avg   %RSD
 ---------------------------------------------------------------------------

 1) I   1,4-Dichlorobenzene-d ----------------ISTD---------------------
 2)I N-Nitrosodimethyl                                          0.000  -1.00
 3)I N-Nitroso-di-n-pr                                          0.000  -1.00

 4) I   Naphthalene-d8        ----------------ISTD---------------------
 5)S Nitrobenzene-d5   0.050 0.309 0.283 0.345 0.197 0.442       0.271  49.63
            ---- Quadratic regression ----  Coefficient =  0.9971
              Response Ratio = 0.03248 + 0.21751 *A + 0.01758 *A^2

 6)T Naphthalene       1.714 2.244 1.972 2.183 1.603 2.790       2.084  20.52
            ---- Quadratic regression ----  Coefficient =  0.9997
              Response Ratio = 0.01335 + 1.78277 *A + 0.39929 *A^2

 7)  2-Methylnaphthale 0.504 1.371 1.806 1.353 0.658 1.498       1.198  42.34
            ---- Quadratic regression ----  Coefficient =  0.9983
              Response Ratio = 0.01575 + 1.28023 *A + 0.08336 *A^2

 8)  1-Methylnaphthale 1.445 2.465 2.225 2.202 1.544 2.752       2.106  24.43
            ---- Quadratic regression ----  Coefficient =  0.9999
              Response Ratio = -0.02454 + 2.16466 *A + 0.23967 *A^2


 9) I   Acenaphthene-d10      ----------------ISTD---------------------
10)S 2-Fluorobiphenyl  3.577 3.585 3.049 3.466 2.587 3.103       3.228  12.12
11)T Acenaphthylene    3.171 2.176 3.162 1.952 2.993 2.411       2.644  20.15
            ---- Quadratic regression ----  Coefficient =  0.9974
              Response Ratio = 0.10788 + 1.80423 *A + 0.22481 *A^2

12)T Acenaphthene      2.509 2.663 2.346 2.440 1.945 2.485       2.398  10.21
13)  Dibenzofuran      3.262 2.014 3.882 2.687 2.681             2.905  24.17
            ---- Quadratic regression ----  Coefficient =  0.9932
              Response Ratio = 0.01223 + 3.59570 *A + -1.28204 *A^2

14)T Fluorene          1.461 1.255 2.461 1.462 1.412 1.293       1.558  28.95
            ---- Quadratic regression ----  Coefficient =  0.9906
              Response Ratio = 0.09183 + 1.26110 *A + -0.00477 *A^2


15) I   Phenanthrene-d10      ----------------ISTD---------------------
16)S 2,4,6-Tribromophe 0.055 0.163 0.142 0.161 0.068 0.147       0.123  39.31
            ---- Quadratic regression ----  Coefficient =  0.9998
              Response Ratio = -0.05885 + 0.18162 *A + -0.00129 *A^2

17)  Pentachlorophenol                                          0.000  -1.00
18)T Phenanthrene      2.044 1.932 1.762 1.808 1.759 1.992       1.883   6.54
19)T Anthracene        2.382 2.188 2.104 2.123 2.200 2.060       2.176   5.22
```

Initial Calibration Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: EH1919-ICC1919
Lab FileID: H35550.D

```
20)T Fluoranthene      0.868 1.168 1.027 1.062 0.811 1.364       1.050  19.22
            ---- Quadratic regression ----  Coefficient =  1.0000
              Response Ratio = -0.00377 + 0.97628 *A + 0.15571 *A^2


21) I   Chrysene-d12          ----------------ISTD---------------------
22)T Pyrene            8.583 7.179 6.549 5.764 5.511 6.022       6.601  17.26
            ---- Quadratic regression ----  Coefficient =  0.9947
              Response Ratio = -0.20007 + 7.65192 *A + -0.60531 *A^2

23)S Terphenyl-d14     0.718 1.411 0.894 0.924 0.647 1.384       0.996  32.92
            ---- Quadratic regression ----  Coefficient =  0.9938
              Response Ratio = -0.35075 + 1.28854 *A + 0.01066 *A^2

24)T Benzo[a]anthracen 0.865 1.142 1.047 1.280 0.668 1.501       1.084  27.31
            ---- Quadratic regression ----  Coefficient =  0.9976
              Response Ratio = 0.01789 + 0.91033 *A + 0.23122 *A^2

25)T Chrysene          2.181 1.855 1.701 1.627 1.766 1.550       1.780  12.55

26) I   Perylene-d12          ----------------ISTD---------------------
27)T Benzo[b]fluoranth 0.657 1.254 0.875 0.917 1.165 1.523       1.065  29.09
            ---- Quadratic regression ----  Coefficient =  0.9991
              Response Ratio = -0.01536 + 0.90697 *A + 0.25037 *A^2

28)T Benzo[k]fluoranth 1.235 2.338 2.039 2.040 0.434 2.392       1.746  43.77
            ---- Quadratic regression ----  Coefficient =  0.9994
              Response Ratio = -0.07182 + 2.26238 *A + 0.06487 *A^2

29)T Benzo[a]pyrene    0.936 1.518 1.352 1.333 1.247 1.574       1.327  17.10
            ---- Quadratic regression ----  Coefficient =  0.9995
              Response Ratio = -0.02138 + 1.41779 *A + 0.06696 *A^2

30)T Indeno[1,2,3-cd]p 0.538 1.169 0.905 1.088 0.276 1.165       0.857  43.27
            ---- Quadratic regression ----  Coefficient =  0.9996
              Response Ratio = -0.04419 + 1.18847 *A + -0.00163 *A^2

31)T Dibenz[a,h]anthra 0.568 0.819 0.655 0.747 0.511 0.839       0.690  19.52
            ---- Quadratic regression ----  Coefficient =  0.9997
              Response Ratio = -0.01947 + 0.79264 *A + 0.02233 *A^2

32)T Benzo[g,h,i]peryl 0.488 1.036 0.865 0.980 0.577 0.973       0.820  28.17
            ---- Quadratic regression ----  Coefficient =  0.9995
              Response Ratio = -0.03348 + 1.09867 *A + -0.04429 *A^2

--------------------------------------------------------------------------------
(#) = Out of Range

          H10229SP.M        Thu Oct 22 16:11:51 2009
```

7.7.3

7

Initial Calibration Verification

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: EH1919-ICV1919
Lab FileID: H35551.D

Evaluate Continuing Calibration Report

```
Data File : C:\HPCHEM\1\DATA\EH1919\H35551.D            Vial: 9
Acq On    : 22 Oct 2009   3:18 pm                   Operator: sheilac
Sample    : icv1919-2.5                             Inst    : TXMSH
Misc      : OP12779,EH1919,1000,,,1,1,water         Multiplr: 1.00
MS Integration Params: RTEINT.P

Method       : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title        : SIM METHOD FOR BNA
Last Update  : Thu Oct 22 16:12:53 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  30%     Max. Rel. Area : 200%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	139	0.00	5.66
2	I	N-Nitrosodimethylamine		----------NA----------				
3	I	N-Nitroso-di-n-propylamin		----------NA----------				
4	I	Naphthalene-d8	1.000	1.000	0.0	161	-0.03	7.54
5	S	Nitrobenzene-d5		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
6	T	Naphthalene	2.500	2.464	1.4	149	0.00	7.57
7		2-Methylnaphthalene	2.500	2.605	-4.2	168	0.00	8.47
8		1-Methylnaphthalene	2.500	2.214	11.4	146	0.00	8.55
		----------	AvgRF	CCRF	%Dev	----------		
9	I	Acenaphthene-d10	1.000	1.000	0.0	137	0.00	9.57
10	S	2-Fluorobiphenyl		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
11	T	Acenaphthylene	2.500	2.328	6.9	139	0.00	9.43
		----------	AvgRF	CCRF	%Dev	----------		
12	T	Acenaphthene	2.398	2.397	0.0	134	0.00	9.60
13		Dibenzofuran	2.905	2.131	26.6	109	0.00	9.81
		----------	Amount	Calc.	%Drift	----------		
14	T	Fluorene	2.500	2.012	19.5	109	0.00	10.16
		----------	AvgRF	CCRF	%Dev	----------		
15	I	Phenanthrene-d10	1.000	1.000	0.0	130	0.00	11.09
16	S	2,4,6-Tribromophenol		----------NA----------				
17		Pentachlorophenol		----------NA----------				
18	T	Phenanthrene	1.883	1.830	2.8	131	0.00	11.11
19	T	Anthracene	2.176	2.168	0.4	133	0.00	11.17
		----------	Amount	Calc.	%Drift	----------		
20	T	Fluoranthene	2.500	2.614	-4.6	137	0.00	12.31
		----------	AvgRF	CCRF	%Dev	----------		
21	I	Chrysene-d12	1.000	1.000	0.0	91	0.00	13.90

Initial Calibration Verification

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EH1919-ICV1919
Lab FileID: H35551.D

			Amount	Calc.	%Drift			
22	T	Pyrene	2.500	2.855	-14.2	126	0.00	12.53
			AvgRF	CCRF	%Dev			
23	S	Terphenyl-d14		NA				
			Amount	Calc.	%Drift			
24	T	Benzo[a]anthracene	2.500	2.453	1.9	76	0.00	13.89
			AvgRF	CCRF	%Dev			
25	T	Chrysene	1.780	1.954	-9.8	110	0.00	13.94
26	I	Perylene-d12	1.000	1.000	0.0	74	0.00	16.37
			Amount	Calc.	%Drift			
27	T	Benzo[b]fluoranthene	2.500	2.078	16.9	67	0.00	15.64
28	T	Benzo[k]fluoranthene	2.500	2.766	-10.6	88	0.00	15.69
29	T	Benzo[a]pyrene	2.500	2.358	5.7	74	0.00	16.28
30	T	Indeno[1,2,3-cd]pyrene	2.500	2.214	11.4	66	0.02	18.74
31	T	Dibenz[a,h]anthracene	2.500	2.164	13.4	66	0.02	18.72
32	T	Benzo[g,h,i]perylene	2.500	2.194	12.2	67	0.02	19.31

H35550.D H10229SP.M Thu Oct 22 16:15:16 2009

7.7.4

7

Initial Calibration Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: EH1920-ICC1920
Lab FileID: H35580.D

```
                         Response Factor Report  TXMSH

 Method       : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
 Title        : SIM METHOD FOR BNA
 Last Update  : Fri Oct 23 14:18:42 2009
 Response via : Initial Calibration

 Calibration Files
 0.1 =H35582.D    5   =H35584.D    1   =H35581.D    2.5 =H35580.D
 0.2 =H35583.D    10  =H35585.D        =

    Compound             0.1   5     1     2.5   0.2   10          Avg   %RSD
 ---------------------------------------------------------------------------

 1) I   1,4-Dichlorobenzene-d ----------------ISTD---------------------
 2)I N-Nitrosodimethyl                                          0.000  -1.00
 3)I N-Nitroso-di-n-pr                                          0.000  -1.00

 4) I   Naphthalene-d8        ----------------ISTD---------------------
 5)S Nitrobenzene-d5   0.042 0.141 0.206 0.175 0.044 0.184       0.132  54.60
            ---- Quadratic regression ----  Coefficient =  0.9930
              Response Ratio = 0.03039 + 0.11977 *A + 0.00487 *A^2

 6)T Naphthalene       1.570 1.114 1.337 1.338 1.493 1.182       1.339  13.03
 7)  2-Methylnaphthale 0.302 1.273 0.758 0.960 0.379 1.309       0.830  51.99
            ---- Quadratic regression ----  Coefficient =  0.9975
              Response Ratio = -0.06583 + 1.17709 *A + 0.06574 *A^2

 8)  1-Methylnaphthale 1.209 1.680 1.496 1.648 1.232 1.663       1.488  14.63

 9) I   Acenaphthene-d10      ----------------ISTD---------------------
10)S 2-Fluorobiphenyl  2.109 2.142 2.332 1.879 1.942 2.855       2.210  16.02
            ---- Quadratic regression ----  Coefficient =  0.9994
              Response Ratio = 0.34256 + 1.41503 *A + 0.11273 *A^2

11)T Acenaphthylene    2.130 2.763 1.704 2.938 2.126 3.170       2.472  22.99
            ---- Quadratic regression ----  Coefficient =  0.9983
              Response Ratio = -0.04641 + 2.54692 *A + 0.25504 *A^2

12)T Acenaphthene      2.303 2.292 2.244 2.276 2.036 2.240       2.232   4.43
13)  Dibenzofuran      2.312 1.317 2.693 1.824 2.223             2.074  25.26
            ---- Quadratic regression ----  Coefficient =  0.9926
              Response Ratio = 0.01863 + 2.46999 *A + -0.94070 *A^2

14)T Fluorene          1.077 0.904 1.267 1.112 1.124 0.865       1.058  14.16

15) I   Phenanthrene-d10      ----------------ISTD---------------------
16)S 2,4,6-Tribromophe 0.047 0.169 0.125 0.149 0.057 0.146       0.115  44.35
            ---- Quadratic regression ----  Coefficient =  0.9977
              Response Ratio = -0.09013 + 0.18793 *A + -0.00152 *A^2

17)  Pentachlorophenol                                          0.000  -1.00
18)T Phenanthrene      1.667 1.959 1.579 1.811 1.545 1.921       1.747  10.06
19)T Anthracene        2.209 1.900 2.110 2.114 2.115 1.707       2.026   9.22
20)T Fluoranthene      0.751 0.988 0.673 0.826 0.573 1.066       0.813  23.06
            ---- Quadratic regression ----  Coefficient =  0.9992
              Response Ratio = -0.02785 + 0.88184 *A + 0.07934 *A^2


21) I   Chrysene-d12          ----------------ISTD---------------------
```

7.7.5

7

Initial Calibration Summary

Job Number: T39513 **Sample:** EH1920-ICC1920
Account: ERMUTSLC ERM Salt Lake City **Lab FileID:** H35580.D
Project: Vertellus-Provo

```
22)T Pyrene            6.492 7.580 6.472 7.477 4.969 6.443       6.572  14.34
23)S Terphenyl-d14     0.652 1.292 0.852 1.095 0.569 1.488       0.991  36.65
            ---- Quadratic regression ----  Coefficient =  0.9997
              Response Ratio = -0.18129 + 1.09002 *A + 0.03314 *A^2

24)T Benzo[a]anthracen 0.813 0.886 0.611 1.061 0.798 1.334       0.917  27.33
            ---- Quadratic regression ----  Coefficient =  0.9952
              Response Ratio = 0.02531 + 0.58213 *A + 0.29386 *A^2

25)T Chrysene          1.553 2.027 2.263 1.703 1.560 1.661       1.794  16.02
            ---- Quadratic regression ----  Coefficient =  0.9953
              Response Ratio = -0.04084 + 2.22933 *A + -0.21774 *A^2


26) I   Perylene-d12          ----------------ISTD---------------------
27)T Benzo[b]fluoranth 1.475 1.189 0.707 0.952 1.117 1.093       1.089  23.39
            ---- Quadratic regression ----  Coefficient =  0.9954
              Response Ratio = -0.04386 + 1.18553 *A + -0.02724 *A^2

28)T Benzo[k]fluoranth 1.300 2.430 1.824 2.130 0.664 2.671       1.837  40.73
            ---- Quadratic regression ----  Coefficient =  0.9998
              Response Ratio = -0.07190 + 2.19710 *A + 0.20235 *A^2

29)T Benzo[a]pyrene    1.344 1.455 1.172 1.329 0.416 1.579       1.216  34.12
            ---- Quadratic regression ----  Coefficient =  0.9998
              Response Ratio = -0.03199 + 1.34106 *A + 0.10073 *A^2

30)T Indeno[1,2,3-cd]p 0.131 1.010 0.843 0.948 0.259 1.045       0.706  57.19
            ---- Quadratic regression ----  Coefficient =  0.9999
              Response Ratio = -0.03362 + 1.00065 *A + 0.02322 *A^2

31)T Dibenz[a,h]anthra 0.305 0.680 0.549 0.683 0.097 0.734       0.508  50.00
            ---- Quadratic regression ----  Coefficient =  0.9997
              Response Ratio = -0.01920 + 0.66468 *A + 0.03045 *A^2

32)T Benzo[g,h,i]peryl 0.515 0.881 0.875 0.881 0.232 0.841       0.704  38.59
            ---- Quadratic regression ----  Coefficient =  0.9999
              Response Ratio = -0.02141 + 0.94561 *A + -0.03858 *A^2

-------------------------------------------------------------------------------
(#) = Out of Range

          H10239SP.M        Fri Oct 23 14:35:06 2009
```

7.7.5

7

Initial Calibration Verification

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: EH1920-ICV1920
Lab FileID: H35586.D

Evaluate Continuing Calibration Report

```
Data File : C:\HPCHEM\1\DATA\EH1920\H35586.D            Vial: 8
Acq On    : 23 Oct 2009   2:13 pm                   Operator: sheilac
Sample    : icv1920-2.5                             Inst    : TXMSH
Misc      : OP12779,EH1920,1000,,,1,1,water         Multiplr: 1.00
MS Integration Params: RTEINT.P

Method       : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title        : SIM METHOD FOR BNA
Last Update  : Fri Oct 23 15:22:10 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  30%     Max. Rel. Area : 200%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	143	0.00	5.63
2	I	N-Nitrosodimethylamine		----------NA----------				
3	I	N-Nitroso-di-n-propylamin		----------NA----------				
4	I	Naphthalene-d8	1.000	1.000	0.0	131	0.00	7.54
5	S	Nitrobenzene-d5		----------NA----------				
6	T	Naphthalene	1.339	1.494	-11.6	146	0.00	7.57
		----------	Amount	Calc.	%Drift	----------		
7		2-Methylnaphthalene	2.500	2.346	6.2	141	0.00	8.46
		----------	AvgRF	CCRF	%Dev	----------		
8		1-Methylnaphthalene	1.488	1.734	-16.5	138	0.00	8.55
9	I	Acenaphthene-d10	1.000	1.000	0.0	153	0.00	9.57
10	S	2-Fluorobiphenyl		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
11	T	Acenaphthylene	2.500	1.974	21.0	106	0.00	9.41
		----------	AvgRF	CCRF	%Dev	----------		
12	T	Acenaphthene	2.232	2.333	-4.5	156	0.00	9.59
		----------	Amount	Calc.	%Drift	----------		
13		Dibenzofuran	2.500	1.987	20.5	136	0.00	9.81
		----------	AvgRF	CCRF	%Dev	----------		
14	T	Fluorene	1.058	0.875	17.3	120	0.00	10.16
15	I	Phenanthrene-d10	1.000	1.000	0.0	134	0.00	11.09
16	S	2,4,6-Tribromophenol		----------NA----------				
17		Pentachlorophenol		----------NA----------				
18	T	Phenanthrene	1.747	1.837	-5.2	136	0.00	11.11
19	T	Anthracene	2.026	2.065	-1.9	131	0.00	11.17
		----------	Amount	Calc.	%Drift	----------		
20	T	Fluoranthene	2.500	2.374	5.0	136	0.02	12.31
		----------	AvgRF	CCRF	%Dev	----------		
21	I	Chrysene-d12	1.000	1.000	0.0	182	0.00	13.90
22	T	Pyrene	6.572	5.798	11.8	141	0.00	12.53

Initial Calibration Verification

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EH1920-ICV1920
Lab FileID: H35586.D

23	S	Terphenyl-d14		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
24	T	Benzo[a]anthracene	2.500	3.067	-22.7	193	0.00	13.88
25	T	Chrysene	2.500	2.275	9.0	198	0.00	13.94
		----------	AvgRF	CCRF	%Dev	----------		
26	I	Perylene-d12	1.000	1.000	0.0	188	0.00	16.38
		----------	Amount	Calc.	%Drift	----------		
27	T	Benzo[b]fluoranthene	2.500	2.336	6.6	202	0.00	15.66
28	T	Benzo[k]fluoranthene	2.500	2.616	-4.6	205	0.00	15.69
29	T	Benzo[a]pyrene	2.500	2.521	-0.8	193	0.00	16.30
30	T	Indeno[1,2,3-cd]pyrene	2.500	2.366	5.4	180	0.02	18.77
31	T	Dibenz[a,h]anthracene	2.500	2.447	2.1	176	0.02	18.77
32	T	Benzo[g,h,i]perylene	2.500	2.178	12.9	165	0.02	19.34

H35580.D H10239SP.M Fri Oct 23 15:24:28 2009

Initial Calibration Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: EH1921-ICC1921
Lab FileID: H35610.D

```
                         Response Factor Report  TXMSH

 Method       : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
 Title        : SIM METHOD FOR BNA
 Last Update  : Mon Oct 26 16:23:44 2009
 Response via : Initial Calibration

 Calibration Files
 0.1 =H35612.D    5   =H35614.D    1   =H35611.D    2.5 =H35610.D
 0.2 =H35613.D    10  =H35615.D        =

    Compound             0.1   5     1     2.5   0.2   10          Avg   %RSD
 ---------------------------------------------------------------------------

 1) I   1,4-Dichlorobenzene-d ----------------ISTD---------------------
 2)I N-Nitrosodimethyl                                          0.000  -1.00
 3)I N-Nitroso-di-n-pr                                          0.000  -1.00

 4) I   Naphthalene-d8        ----------------ISTD---------------------
 5)S Nitrobenzene-d5   0.017 0.155 0.158 0.187 0.072 0.210       0.133  55.37
            ---- Quadratic regression ----  Coefficient =  0.9955
              Response Ratio = 0.01449 + 0.12532 *A + 0.00656 *A^2

 6)T Naphthalene       1.751 1.421 1.556 1.458 1.431 1.341       1.493   9.65
 7)  2-Methylnaphthale 0.182 1.034 0.634 0.759 0.180 1.258       0.674  65.16
            ---- Quadratic regression ----  Coefficient =  0.9992
              Response Ratio = -0.03792 + 0.78367 *A + 0.19680 *A^2

 8)  1-Methylnaphthale 1.243 1.748 1.282 1.502 1.294 1.752       1.470  15.96
            ---- Quadratic regression ----  Coefficient =  0.9989
              Response Ratio = -0.05003 + 1.68161 *A + 0.03822 *A^2


 9) I   Acenaphthene-d10      ----------------ISTD---------------------
10)S 2-Fluorobiphenyl  1.907 1.694 2.084 2.133 2.151 2.787       2.126  17.27
            ---- Quadratic regression ----  Coefficient =  0.9933
              Response Ratio = 0.74433 + 0.89287 *A + 0.14520 *A^2

11)T Acenaphthylene    1.808 2.913 1.895 1.877 1.793 2.749       2.172  23.67
            ---- Quadratic regression ----  Coefficient =  0.9921
              Response Ratio = -0.13966 + 2.71939 *A + 0.04256 *A^2

12)T Acenaphthene      2.126 2.225 2.187 2.362 1.965 2.294       2.193   6.32
13)  Dibenzofuran      2.486 1.606 2.652 1.805 2.622 1.192       2.060  29.70
            ---- Quadratic regression ----  Coefficient =  0.9967
              Response Ratio = 0.06374 + 1.96581 *A + -0.32055 *A^2

14)T Fluorene          1.673 1.002 1.887 1.204 1.433 0.739       1.323  32.27
            ---- Quadratic regression ----  Coefficient =  0.9925
              Response Ratio = 0.05332 + 1.25990 *A + -0.21832 *A^2


15) I   Phenanthrene-d10      ----------------ISTD---------------------
16)S 2,4,6-Tribromophe 0.058 0.179 0.174 0.162 0.065 0.165       0.134  42.32
            ---- Quadratic regression ----  Coefficient =  0.9992
              Response Ratio = -0.05597 + 0.19005 *A + -0.00091 *A^2

17)  Pentachlorophenol                                          0.000  -1.00
18)T Phenanthrene      1.542 1.727 1.621 1.598 1.230 1.937       1.609  14.44
19)T Anthracene        2.374 2.079 2.217 2.089 1.974 1.569       2.050  13.32
```

Initial Calibration Summary

Job Number: T39513 **Sample:** EH1921-ICC1921
Account: ERMUTSLC ERM Salt Lake City **Lab FileID:** H35610.D
Project: Vertellus-Provo

```
20)T Fluoranthene      0.571 0.860 0.699 0.803 0.499 1.057       0.748  27.21
            ---- Quadratic regression ----  Coefficient =  0.9999
              Response Ratio = -0.00382 + 0.68780 *A + 0.14801 *A^2


21) I   Chrysene-d12          ----------------ISTD---------------------
22)T Pyrene            6.316 7.362 4.992 6.060 4.501 6.928       6.026  18.30
            ---- Quadratic regression ----  Coefficient =  0.9972
              Response Ratio = -0.29339 + 7.39220 *A + -0.12612 *A^2

23)S Terphenyl-d14     0.727 1.363 0.923 1.145 0.685 1.572       1.069  33.23
            ---- Quadratic regression ----  Coefficient =  0.9997
              Response Ratio = -0.17256 + 1.13882 *A + 0.03599 *A^2

24)T Benzo[a]anthracen 1.655 0.871 0.613 0.831 1.446 1.061       1.079  36.81
            ---- Quadratic regression ----  Coefficient =  0.9995
              Response Ratio = 0.02027 + 0.66284 *A + 0.15588 *A^2

25)T Chrysene          1.491 2.156 1.979 2.179 1.065 2.112       1.830  24.79
            ---- Quadratic regression ----  Coefficient =  0.9999
              Response Ratio = -0.04444 + 2.25844 *A + -0.05152 *A^2


26) I   Perylene-d12          ----------------ISTD---------------------
27)T Benzo[b]fluoranth 0.908 0.637 0.616 0.628 0.623 0.901       0.719  20.03
            ---- Quadratic regression ----  Coefficient =  0.9990
              Response Ratio = 0.02568 + 0.39997 *A + 0.19541 *A^2

28)T Benzo[k]fluoranth 1.012 2.376 1.928 2.462 1.648 2.904       2.055  32.71
            ---- Quadratic regression ----  Coefficient =  0.9991
              Response Ratio = -0.00719 + 2.01556 *A + 0.35400 *A^2

29)T Benzo[a]pyrene    0.785 1.315 1.274 1.267 1.179 1.502       1.220  19.54
            ---- Quadratic regression ----  Coefficient =  0.9999
              Response Ratio = 0.00529 + 1.14826 *A + 0.14000 *A^2

30)T Indeno[1,2,3-cd]p 0.662 1.119 0.931 1.015 0.304 1.280       0.885  39.69
            ---- Quadratic regression ----  Coefficient =  1.0000
              Response Ratio = -0.02102 + 0.97816 *A + 0.12399 *A^2

31)T Dibenz[a,h]anthra 0.359 0.806 0.667 0.733 0.443 0.942       0.658  33.53
            ---- Quadratic regression ----  Coefficient =  1.0000
              Response Ratio = -0.01029 + 0.68346 *A + 0.10492 *A^2

32)T Benzo[g,h,i]peryl 0.293 0.901 0.909 0.822 0.479 0.959       0.727  37.72
            ---- Quadratic regression ----  Coefficient =  0.9997
              Response Ratio = -0.01105 + 0.84421 *A + 0.04775 *A^2

-------------------------------------------------------------------------------
(#) = Out of Range

          H10269SP.M        Mon Oct 26 16:24:05 2009
```

7.2.7

7

Initial Calibration Verification

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: EH1921-ICV1921
Lab FileID: H35616.D

Evaluate Continuing Calibration Report

```
Data File : C:\HPCHEM\1\DATA\EH1921\H35616.D            Vial: 8
Acq On    : 26 Oct 2009   3:01 pm                   Operator: sheilac
Sample    : icv1921-2.5                             Inst    : TXMSH
Misc      : OP12779,EH1921,1000,,,1,1,water         Multiplr: 1.00
MS Integration Params: RTEINT.P

Method       : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title        : SIM METHOD FOR BNA
Last Update  : Mon Oct 26 16:26:56 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  30%     Max. Rel. Area : 200%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	145	0.00	5.63
2	I	N-Nitrosodimethylamine		----------NA----------				
3	I	N-Nitroso-di-n-propylamin		----------NA----------				
4	I	Naphthalene-d8	1.000	1.000	0.0	153	0.00	7.54
5	S	Nitrobenzene-d5		----------NA----------				
6	T	Naphthalene	1.493	1.249	16.3	131	0.00	7.57
		----------	Amount	Calc.	%Drift		----------	
7		2-Methylnaphthalene	2.500	2.039	18.4	134	0.00	8.47
8		1-Methylnaphthalene	2.500	2.021	19.2	132	0.00	8.55
		----------	AvgRF	CCRF	%Dev		----------	
9	I	Acenaphthene-d10	1.000	1.000	0.0	141	0.00	9.57
10	S	2-Fluorobiphenyl		----------NA----------				
		----------	Amount	Calc.	%Drift		----------	
11	T	Acenaphthylene	2.500	1.917	23.3	141	0.00	9.41
		----------	AvgRF	CCRF	%Dev		----------	
12	T	Acenaphthene	2.193	2.215	-1.0	132	0.00	9.59
		----------	Amount	Calc.	%Drift		----------	
13		Dibenzofuran	2.500	2.171	13.2	130	0.00	9.81
14	T	Fluorene	2.500	2.023	19.1	119	0.00	10.16
		----------	AvgRF	CCRF	%Dev		----------	
15	I	Phenanthrene-d10	1.000	1.000	0.0	124	0.00	11.09
16	S	2,4,6-Tribromophenol		----------NA----------				
17		Pentachlorophenol		----------NA----------				
18	T	Phenanthrene	1.609	1.566	2.7	122	0.00	11.11
19	T	Anthracene	2.050	2.180	-6.3	129	0.00	11.19
		----------	Amount	Calc.	%Drift		----------	
20	T	Fluoranthene	2.500	2.785	-11.4	135	0.00	12.31
		----------	AvgRF	CCRF	%Dev		----------	
21	I	Chrysene-d12	1.000	1.000	0.0	116	0.00	13.94

Initial Calibration Verification

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EH1921-ICV1921
Lab FileID: H35616.D

			Amount	Calc.	%Drift			
22	T	Pyrene	2.500	2.308	7.7	120	0.02	12.54
			AvgRF	CCRF	%Dev			
23	S	Terphenyl-d14		NA				
			Amount	Calc.	%Drift			
24	T	Benzo[a]anthracene	2.500	1.994	20.2	87	0.00	13.92
25	T	Chrysene	2.500	2.827	-13.1	130	0.02	13.97
			AvgRF	CCRF	%Dev			
26	I	Perylene-d12	1.000	1.000	0.0	130	0.02	16.44
			Amount	Calc.	%Drift			
27	T	Benzo[b]fluoranthene	2.500	2.347	6.1	108	0.03	15.71
28	T	Benzo[k]fluoranthene	2.500	2.728	-9.1	129	0.03	15.76
29	T	Benzo[a]pyrene	2.500	2.315	7.4	118	0.02	16.35
30	T	Indeno[1,2,3-cd]pyrene	2.500	2.466	1.4	129	0.05	18.87
31	T	Dibenz[a,h]anthracene	2.500	2.476	1.0	128	0.07	18.87
32	T	Benzo[g,h,i]perylene	2.500	2.577	-3.1	140	0.03	19.43

H35610.D H10269SP.M Mon Oct 26 16:28:58 2009

7.7.8

7

Initial Calibration Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: EJ615-ICC615
Lab FileID: J13340.D

Response Factor Report AGC-VOA-MSJ

Method : C:\msdchem\1\METHODS\ej615mg.m (RTE Integrator)
Title :
Last Update : Wed Sep 23 15:14:24 2009
Response via : Initial Calibration

Calibration Files
25 =j13337.D 50 =j13340.D 75 =j13341.D 100 =j13338.D
10 =j13336.D 5 =j13335.D 125 =j13339.D =

Compound	25	50	75	100	10	5	125	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	----------ISTD----------								
2) n-Nitrosodim	0.678	0.701	0.713	0.667	0.657	0.662	0.628	0.672	4.21
3) Pyridine	1.145	1.312	1.323	1.182	1.102	1.103	1.138	1.186	7.89
4) 2-Fluorophen	1.224	1.352	1.350	1.276	1.180	1.200	1.205	1.255	5.71
5) Phenol-d5 (S	1.593	1.755	1.739	1.494	1.468	1.508	1.425	1.569	8.42
6) Phenol	1.737	1.904	1.892	1.600	1.594	1.635	1.523	1.698	8.89
7) Aniline	1.729	1.930	1.841	1.723	1.540	1.496		1.710	9.83
8) bis(2-Chloro	1.694	1.749	1.827	1.566	1.620	1.637	1.558	1.664	5.91
9) 2-Chlorophen	1.308	1.403	1.387	1.332	1.247	1.257	1.284	1.317	4.63
10) 1,3-Dichloro	1.466	1.595	1.577	1.514	1.416	1.430	1.444	1.492	4.81
11) 1,4-Dichloro	1.572	1.697	1.668	1.634	1.510	1.562	1.561	1.601	4.19
12) Benzyl Alcoh	0.908	1.000	0.999	0.945	0.818	0.817	0.936	0.918	8.30
13) 1,2-Dichloro	1.459	1.622	1.611	1.565	1.380	1.367	1.506	1.501	6.94
14) 2-Methylphen	1.188	1.241	1.236	1.203	1.143	1.126	1.193	1.190	3.65
15) bis(2-chloro	2.192	2.163	2.165	1.964	2.223	2.155	1.890	2.108	6.04
16) 4-Methylphen	1.209	1.300	1.291	1.337	1.157	1.153	1.367	1.259	6.84
17) m+p-Cresols	1.209	1.300	1.291	1.337	1.157	1.153	1.367	1.259	6.84
18) n-Nitroso-di	1.132	1.182	1.185	1.151	1.105	1.076	1.164	1.142	3.53
19) Hexachloroet	0.571	0.626	0.618	0.609	0.542	0.543	0.578	0.584	5.94
20) I Naphthalene-d8	----------ISTD----------								
21) Nitrobenzene	0.412	0.446	0.447	0.423	0.397	0.403	0.407	0.419	4.85
22) Nitrobenzene	0.409	0.436	0.438	0.415	0.394	0.395	0.397	0.412	4.52
23) Isophorone	0.751	0.786	0.796	0.762	0.732	0.726	0.741	0.756	3.52
24) 2-Nitropheno	0.176	0.200	0.198	0.215	0.155	0.163	0.219	0.189	13.24
25) 2,4-Dimethyl	0.300	0.350	0.352	0.326	0.280	0.267	0.317	0.313	10.46
26) bis(2-Chloro	0.412	0.437	0.442	0.426	0.394	0.397	0.410	0.417	4.48
27) Benzoic Acid	0.140	0.194	0.177	0.188	0.087	0.104	0.199	0.156	29.33
---- Quadratic regression ---- Coefficient = 0.9968									
Response Ratio = -0.01531 + 0.17515 *A + 0.00874 *A^2									
28) 2,4-Dichloro	0.258	0.294	0.295	0.306	0.234	0.239	0.304	0.276	11.26
29) 1,2,4-Trichl	0.316	0.355	0.353	0.353	0.297	0.299	0.347	0.332	7.98
30) Naphthalene	1.052	1.167	1.171	1.129	0.996	1.011	1.100	1.089	6.55
31) 4-Chloroanil	0.310	0.409	0.407	0.400	0.310	0.303	0.401	0.363	14.27
---- Linear regression ---- Coefficient = 0.9982									
Response Ratio = -0.02549 + 0.41205 *A									
32) Hexachlorobu	0.199	0.220	0.222	0.223	0.189	0.188	0.215	0.208	7.47
33) 4-Chloro-3-m	0.292	0.332	0.340	0.342	0.264	0.269	0.340	0.311	11.26
34) 2-Methylnaph	0.640	0.719	0.716	0.702	0.597	0.598	0.687	0.666	8.06
35) 1-Methylnaph	0.667	0.753	0.748	0.735	0.627	0.628	0.722	0.697	7.95
36) I Acenaphthene-d10	----------ISTD----------								
37) Hexachlorocy	0.113	0.209	0.194	0.199	0.028	0.047	0.216	0.144	55.79
---- Quadratic regression ---- Coefficient = 0.9945									

```
                Response Ratio = -0.03402 + 0.20157 *A + 0.00717 *A^2

38) 2,4,6-Trichl 0.321 0.355 0.365 0.364 0.274 0.292 0.365       0.334  11.44
39) 2,4,5-Trichl 0.351 0.387 0.402 0.419 0.277 0.295 0.424       0.365  16.28
             ---- Linear regression ----  Coefficient =  0.9990
                Response Ratio = -0.04071 + 0.43274 *A

40) 2-Fluorobiph 1.525 1.667 1.697 1.651 1.363 1.387 1.617       1.558   8.76
41) 2-Chloronaph 1.095 1.182 1.197 1.162 1.006 1.035 1.147       1.118   6.66
42) 2-Nitroanili 0.382 0.398 0.408 0.371 0.349 0.361 0.361       0.376   5.71
43) Dimethylphth 1.332 1.405 1.445 1.335 1.296 1.279 1.310       1.343   4.49
44) Acenaphthyle 1.897 2.015 2.060 1.895 1.751 1.763 1.880       1.894   6.09
45) 2,6-Dinitrot 0.305 0.328 0.340 0.325 0.285 0.288 0.340       0.316   7.32
46) 3-Nitroanili 0.222 0.295 0.305 0.298 0.222 0.226 0.291       0.266  14.93
             ---- Quadratic regression ----  Coefficient =  0.9976
                Response Ratio = -0.02988 + 0.32934 *A + -0.00850 *A^2

47) Acenaphthene 1.099 1.176 1.196 1.136 1.032 1.027 1.125       1.113   5.88
48) 2,4-Dinitrop 0.058 0.104 0.119 0.122 0.005 0.014 0.130       0.079  67.07
             ---- Quadratic regression ----  Coefficient =  0.9975
                Response Ratio = -0.02255 + 0.10885 *A + 0.00924 *A^2

49) 4-Nitropheno 0.153 0.175 0.182 0.196 0.157 0.113 0.180       0.165  16.66
             ---- Quadratic regression ----  Coefficient =  0.9954
                Response Ratio = -0.01653 + 0.19999 *A + -0.00333 *A^2

50) Dibenzofuran 1.553 1.690 1.731 1.646 1.435 1.436 1.639       1.590   7.47
51) 2,4-Dinitrot 0.375 0.407 0.427 0.388 0.336 0.337 0.380       0.378   8.89
52) 2,3,4,6-Tetr 0.259 0.301 0.309 0.309 0.205 0.217 0.313       0.273  17.02
             ---- Quadratic regression ----  Coefficient =  0.9996
                Response Ratio = -0.02272 + 0.31365 *A + 0.00221 *A^2

53) Diethylphtha 1.364 1.467 1.523 1.414 1.308 1.279 1.402       1.394   6.14
54) Fluorene     1.328 1.476 1.542 1.479 1.210 1.206 1.457       1.386   9.90
55) 4-Chlorophen 0.637 0.712 0.749 0.762 0.586 0.578 0.770       0.685  12.14
             ---- Quadratic regression ----  Coefficient =  0.9997
                Response Ratio = -0.03593 + 0.72331 *A + 0.01949 *A^2

56) 4-Nitroanili 0.206 0.241 0.257 0.259 0.186 0.193 0.242       0.226  13.56
             ---- Quadratic regression ----  Coefficient =  0.9970
                Response Ratio = -0.02565 + 0.28335 *A + -0.00912 *A^2


57) I   Phenanthrene-d10      ----------------ISTD---------------------
58) 1,2-Diphenyl 0.970 1.046 1.028 1.115 0.941 0.952 1.068       1.017   6.39
59) 4,6-Dinitro- 0.098 0.128 0.136 0.138 0.056 0.060 0.141       0.108  34.49
             ---- Linear regression ----  Coefficient =  0.9987
                Response Ratio = -0.02146 + 0.14711 *A

60) Diphenylamin 0.711 0.788 0.777 0.800 0.673 0.692 0.799       0.749   7.30
61) n-Nitrosodip 0.711 0.788 0.777 0.800 0.673 0.692 0.799       0.749   7.30
62) 2,4,6-Tribro 0.120 0.142 0.145 0.164 0.100 0.104 0.167       0.135  20.17
             ---- Linear regression ----  Coefficient =  0.9946
                Response Ratio = -0.04777 + 0.17040 *A

63) 4-Bromopheny 0.239 0.265 0.265 0.273 0.227 0.229 0.269       0.253   7.91
64) Hexachlorobe 0.263 0.283 0.287 0.292 0.258 0.256 0.288       0.275   5.69
65) Pentachlorop 0.071 0.095 0.106 0.118             0.121       0.102  19.75
             ---- Quadratic regression ----  Coefficient =  0.9991
                Response Ratio = -0.02898 + 0.11149 *A + 0.00632 *A^2
```

Initial Calibration Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EJ615-ICC615
Lab FileID: J13340.D

```
66) Phenanthrene 1.143 1.240 1.269 1.263 1.099 1.092 1.237       1.192   6.54
67) Anthracene   1.095 1.191 1.243 1.218 1.045 1.041 1.200       1.147   7.41
68) Carbazole    0.837 0.954 1.016 0.974 0.855 0.865 0.966       0.924   7.59
69) Di-n-butylph 1.379 1.439 1.568 1.488 1.389 1.286 1.468       1.431   6.32
70) Fluoranthene 1.034 1.068 1.211 1.119 1.029 0.992 1.111       1.080   6.78

71) I   Chrysene-d12          ----------------ISTD---------------------
72) Benzidine    0.119 0.389 0.498       0.228 0.173             0.281  56.15
            ---- Quadratic regression ----  Coefficient =  0.9908
              Response Ratio = 0.00905 + 0.04030 *A + 0.24552 *A^2

73) Pyrene       1.473 1.686 1.394 1.390 1.294 1.302 1.327       1.409   9.72
74) Terphenyl-d1 0.968 1.117 0.977 0.989 0.845 0.836 0.953       0.955   9.98
75) Butylbenzylp 0.657 0.683 0.662 0.626 0.602 0.570 0.594       0.628   6.60
76) Benzo(a)anth 1.100 1.161 1.160 1.167 1.070 1.111 1.108       1.125   3.34
77) 3,3'-Dichlor 0.188 0.223 0.268 0.333 0.284 0.287 0.348       0.276  20.58
            ---- Quadratic regression ----  Coefficient =  0.9963
              Response Ratio = 0.01656 + 0.13876 *A + 0.06756 *A^2

78) Chrysene     0.959 0.996 1.002 0.939 0.933 0.939 0.873       0.949   4.56
79) bis(2-Ethylh 0.882 0.830 0.894 0.860 0.856 0.767 0.815       0.843   5.13

80) I   Perylene-d12          ----------------ISTD---------------------
81) Di-n-octylph 1.888 1.943 2.022 2.213 1.528 1.539 2.278       1.916  15.44
            ---- Linear regression ----  Coefficient =  0.9959
              Response Ratio = -0.25570 + 2.29892 *A

82) Benzo(b)fluo 1.227 1.357 1.411 1.488 1.111 1.201 1.458       1.322  10.85
83) Benzo(k)fluo 1.212 1.306 1.258 1.224 1.113 1.128 1.211       1.207   5.63
84) Benzo(a)pyre 1.074 1.173 1.200 1.230 0.994 1.027 1.202       1.129   8.42
85) Indeno(1,2,3 0.962 1.053 1.093 0.949 0.924 0.863 0.819       0.952  10.22
86) Dibenz(a,h)a 0.782 0.868 0.912 0.818 0.745 0.693 0.712       0.790  10.23
87) Benzo(g,h,i) 0.759 0.814 0.814 0.663 0.753 0.686 0.544       0.719  13.38
-------------------------------------------------------------------------------
(#) = Out of Range

          ej615mg.m         Wed Sep 23 15:17:07 2009
```

7.7.9

7

Initial Calibration Verification

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: EJ615-ICV615
Lab FileID: J13342.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ej615\j13342.D Vial: 11
Acq On : 23 Sep 2009 3:21 pm Operator: sheilac
Sample : icv615-50 Inst : AGC-VOA-MSJ
Misc : op12949,Ej615,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\ej615mg.m (RTE Integrator)
Title :
Last Update : Wed Sep 23 15:14:24 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	83	0.00	4.88
2		n-Nitrosodimethylamine	0.672	0.742	-10.4	88	0.01	2.65
3		Pyridine	1.186	1.220	-2.9	77	0.02	2.64
4	S	2-Fluorophenol (SURR)		----------NA----------				
5	S	Phenol-d5 (SURR)		----------NA----------				
6	C	Phenol	1.698	1.634	3.8	71	0.02	4.69
7		Aniline	1.710	1.148	32.9	49	0.00	4.63
8		bis(2-Chloroethyl)ether	1.664	1.506	9.5	71	0.00	4.67
9		2-Chlorophenol	1.317	1.288	2.2	76	0.00	4.75
10		1,3-Dichlorobenzene	1.492	1.433	4.0	74	0.00	4.84
11	C	1,4-Dichlorobenzene	1.601	1.501	6.2	73	0.00	4.90
12		Benzyl Alcohol	0.918	0.917	0.1	76	0.00	5.03
13		1,2-Dichlorobenzene	1.501	1.450	3.4	74	0.00	5.03
14		2-Methylphenol	1.190	1.167	1.9	78	0.01	5.17
15		bis(2-chloroisopropyl)eth	2.108	2.030	3.7	78	0.00	5.13
16		4-Methylphenol	1.259	1.244	11.9	80	0.00	5.30
17		m+p-Cresols	1.259	1.244	11.9	80	0.00	5.30
18	P	n-Nitroso-di-n-propylamin	1.142	1.065	6.7	75	-0.01	5.26
19		Hexachloroethane	0.584	0.566	3.1	75	0.00	5.33
20	I	Naphthalene-d8	1.000	1.000	0.0	82	0.00	6.12
21	S	Nitrobenzene-d5 (SURR)		----------NA----------				
22		Nitrobenzene	0.412	0.385	6.6	73	-0.01	5.40
23		Isophorone	0.756	0.715	5.4	75	0.00	5.64
24	C	2-Nitrophenol	0.189	0.178	5.8	73	0.00	5.72
25		2,4-Dimethylphenol	0.313	0.279	10.9	66	0.00	5.79
26		bis(2-Chloroethoxy)methan	0.417	0.395	5.3	75	-0.01	5.85
		----------	Amount	Calc.	%Drift		----------	
27		Benzoic Acid	50.000	45.345	9.3	66	-0.03	5.98
		----------	AvgRF	CCRF	%Dev		----------	
28	C	2,4-Dichlorophenol	0.276	0.261	5.4	73	0.00	6.01
29		1,2,4-Trichlorobenzene	0.332	0.300	9.6	70	0.00	6.06
30		Naphthalene	1.089	1.049	3.7	74	0.00	6.15
		----------	Amount	Calc.	%Drift		----------	
31		4-Chloroaniline	50.000	23.422	53.2	35	0.00	6.22
		----------	AvgRF	CCRF	%Dev		----------	
32	C	Hexachlorobutadiene	0.208	0.196	5.8	73	0.00	6.29
33	C	4-Chloro-3-methylphenol	0.311	0.295	5.1	73	0.00	6.86

Initial Calibration Verification

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EJ615-ICV615
Lab FileID: J13342.D

34		2-Methylnaphthalene	0.666	0.662	0.6	76	0.00	7.00
35		1-Methylnaphthalene	0.697	0.647	7.2	71	0.00	7.14
36	I	Acenaphthene-d10	1.000	1.000	0.0	76	0.00	8.62
		----------	Amount	Calc.	%Drift		----------	
37	P	Hexachlorocyclopentadiene	50.000	43.143	13.7	56	0.00	7.24
		----------	AvgRF	CCRF	%Dev		----------	
38	C	2,4,6-Trichlorophenol	0.334	0.341	-2.1	73	0.00	7.44
		----------	Amount	Calc.	%Drift		----------	
39		2,4,5-Trichlorophenol	50.000	42.862	14.3	66	0.00	7.53
		----------	AvgRF	CCRF	%Dev		----------	
40	S	2-Fluorobiphenyl (SURR)		----------NA----------				
41		2-Chloronaphthalene	1.118	1.121	-0.3	72	0.00	7.71
42		2-Nitroaniline	0.376	0.387	-2.9	74	-0.01	7.90
43		Dimethylphthalate	1.343	1.350	-0.5	73	-0.02	8.22
44		Acenaphthylene	1.894	1.937	-2.3	73	-0.01	8.38
45		2,6-Dinitrotoluene	0.316	0.305	3.5	71	-0.02	8.30
		----------	Amount	Calc.	%Drift		----------	
46		3-Nitroaniline	50.000	39.803	20.4	60	-0.02	8.60
		----------	AvgRF	CCRF	%Dev		----------	
47	C	Acenaphthene	1.113	1.097	1.4	71	-0.01	8.68
		----------	Amount	Calc.	%Drift		----------	
48	P	2,4-Dinitrophenol	50.000	39.851	20.3	55	-0.01	8.79
49	P	4-Nitrophenol	50.000	45.272	9.5	71	0.00	9.10
		----------	AvgRF	CCRF	%Dev		----------	
50		Dibenzofuran	1.590	1.568	1.4	70	-0.01	8.99
51		2,4-Dinitrotoluene	0.378	0.377	0.3	70	-0.02	9.01
		----------	Amount	Calc.	%Drift		----------	
52		2,3,4,6-Tetrachlorophenol	50.000	45.114	9.8	67	0.00	9.26
		----------	AvgRF	CCRF	%Dev		----------	
53		Diethylphthalate	1.394	1.374	1.4	71	-0.02	9.47
54		Fluorene	1.386	1.330	4.0	68	-0.01	9.61
		----------	Amount	Calc.	%Drift		----------	
55		4-Chlorophenyl-phenylethe	50.000	45.072	9.9	68	-0.01	9.63
56		4-Nitroaniline	50.000	38.482	23.0	60	-0.04	9.71
		----------	AvgRF	CCRF	%Dev		----------	
57	I	Phenanthrene-d10	1.000	1.000	0.0	74	0.00	11.43
58		1,2-Diphenylhydrazine	1.017	0.993	2.4	71	-0.01	9.93
		----------	Amount	Calc.	%Drift		----------	
59		4,6-Dinitro-2-methylpheno	50.000	44.289	11.4	66	-0.03	9.78
		----------	AvgRF	CCRF	%Dev		----------	
60		Diphenylamine	0.749	0.609	18.7	58	-0.02	9.87
61	C	n-Nitrosodiphenylamine	0.749	0.609	18.7	58	-0.02	9.87
		----------	Amount	Calc.	%Drift		----------	

Initial Calibration Verification

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EJ615-ICV615
Lab FileID: J13342.D

```
62 S   2,4,6-Tribromophenol (SUR          ----------NA----------

           ----------------------- AvgRF   CCRF      %Dev   --------------
63     4-Bromophenyl-phenylether   0.253   0.245      3.2   69  -0.01   10.56
64     Hexachlorobenzene           0.275   0.269      2.2   71  -0.02   10.69

           ----------------------- Amount  Calc.    %Drift   -------------
65 C   Pentachlorophenol          50.000  47.078      5.8   70   0.00   11.13

           ----------------------- AvgRF   CCRF      %Dev   --------------
66     Phenanthrene                1.192   1.157      2.9   70  -0.01   11.47
67     Anthracene                  1.147   1.122      2.2   70  -0.01   11.58
68     Carbazole                   0.924   0.812     12.1   63   0.00   11.95
69     Di-n-butylphthalate         1.431   1.445     -1.0   75   0.00   12.76
70 C   Fluoranthene                1.080   1.154     -6.9   80  -0.01   13.92

71 I   Chrysene-d12                1.000   1.000      0.0  106  -0.01   16.95

           ----------------------- Amount  Calc.    %Drift   -------------
72     Benzidine                          ----------NA----------

           ----------------------- AvgRF   CCRF      %Dev   --------------
73     Pyrene                      1.409   1.259     10.6   79  -0.01   14.38
74 S   Terphenyl-d14                      ----------NA----------
75     Butylbenzylphthalate        0.628   0.613      2.4   95  -0.01   15.88
76     Benzo(a)anthracene          1.125   1.092      2.9   99   0.00   16.93

           ----------------------- Amount  Calc.    %Drift   -------------
77     3,3'-Dichlorobenzidine     50.000  52.996     -6.0  121  -0.01   16.92

           ----------------------- AvgRF   CCRF      %Dev   --------------
78     Chrysene                    0.949   0.933      1.7   99  -0.02   17.00
79     bis(2-Ethylhexyl)phthalat   0.843   0.805      4.5  102   0.00   17.14

80 I   Perylene-d12                1.000   1.000      0.0  126   0.00   19.75

           ----------------------- Amount  Calc.    %Drift   -------------
81 C   Di-n-octylphthalate        50.000  41.480     17.0  111  -0.01   18.43

           ----------------------- AvgRF   CCRF      %Dev   --------------
82     Benzo(b)fluoranthene        1.322   1.255      5.1  117  -0.01   19.06
83     Benzo(k)fluoranthene        1.207   1.200      0.6  116  -0.01   19.11
84 C   Benzo(a)pyrene              1.129   0.977     13.5  105  -0.01   19.65
85     Indeno(1,2,3-cd)pyrene      0.952   1.080    -13.4  130  -0.01   21.93
86     Dibenz(a,h)anthracene       0.790   0.893    -13.0  130  -0.02   21.96
87     Benzo(g,h,i)perylene        0.719   0.834    -16.0  130  -0.01   22.55
-------------------------------------------------------------------------------
-------------------------------------------------------------------------------


    j13340.D   ej615mg.m        Wed Sep 23 16:53:38 2009
```

Initial Calibration Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: EJ629-ICC629
Lab FileID: J13689.D

Response Factor Report AGC-VOA-MSJ

Method : C:\msdchem\1\METHODS\ej629ben+res.m (RTE Integrator)
Title :
Last Update : Thu Oct 08 14:50:46 2009
Response via : Initial Calibration

Calibration Files
25 =j13693.D 40 =j13690.D 50 =j13689.D 75 =j13691.D
100 =j13694.D = =

Compound	25	40	50	75	100	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD						
2) Pyridine						0.000	-1.00
3)S 2-Fluorophenol (S	1.436	1.530	1.520	1.562	1.650	1.540	5.01
4) Benzenethiol	1.520	1.561	1.515	1.496	1.611	1.540	2.98
5)S Phenol-d5 (SURR)	1.796	1.920	1.932	2.003	2.144	1.959	6.50
6)C Phenol						0.000	-1.00
7) 1,3-Dichlorobenze						0.000	-1.00
8)C 1,4-Dichlorobenze						0.000	-1.00
9) 1,2-Dichlorobenze						0.000	-1.00
10) Indene						0.000	-1.00
11) 2-Methylphenol						0.000	-1.00
12) 4-Methylphenol						0.000	-1.00
13) m+p-Cresols						0.000	-1.00
14) I Naphthalene-d8	ISTD						
15)S Nitrobenzene-d5 (	0.470	0.495	0.495	0.504	0.525	0.498	3.99
16) 2,4-Dimethylpheno						0.000	-1.00
17) Naphthalene						0.000	-1.00
18) Quinoline						0.000	-1.00
19) Resorcinol	0.254	0.280	0.290	0.293	0.322	0.288	8.50
---- Linear regression ---- Coefficient = 0.9951							
Response Ratio = -0.03902 + 0.32709 *A							
20) 1-Methylnaphthale						0.000	-1.00
21) I Acenaphthene-d10	ISTD						
22)S 2-Fluorobiphenyl	1.506	1.619	1.635	1.664	1.776	1.640	5.90
23) Dimethylphthalate						0.000	-1.00
24)P 2,4-Dinitrophenol						0.000	-1.00
25)P 4-Nitrophenol						0.000	-1.00
26) Diethylphthalate						0.000	-1.00
27) I Phenanthrene-d10	ISTD						
28)S 2,4,6-Tribromophe	0.112	0.127	0.136	0.141	0.163	0.136	13.76
29) Phenanthrene						0.000	-1.00
30) Anthracene						0.000	-1.00
31) Di-n-butylphthala						0.000	-1.00
32)C Fluoranthene						0.000	-1.00
33) I Chrysene-d12	ISTD						
34) Pyrene						0.000	-1.00
35)S Terphenyl-d14	1.092	1.231	1.246	1.183	1.382	1.227	8.62
36) Butylbenzylphthal						0.000	-1.00
37) Benzo(a)anthracen						0.000	-1.00
38) Chrysene						0.000	-1.00
39) bis(2-Ethylhexyl)						0.000	-1.00

Initial Calibration Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EJ629-ICC629
Lab FileID: J13689.D

```
40) I   Perylene-d12          ----------------ISTD---------------------
41)  Methyl Chrysene                                          0.000  -1.00
42)C Di-n-octylphthala                                        0.000  -1.00
43)  7,12-Dimethylbenz                                        0.000  -1.00
44)  Benzo(b)fluoranth                                        0.000  -1.00
45)  Benzo(k)fluoranth                                        0.000  -1.00
46)C Benzo(a)pyrene                                           0.000  -1.00
47)  Dibenz(a,h)acridi                                        0.000  -1.00
48)  Dibenz(a,h)anthra                                        0.000  -1.00
---------------------------------------------------------------------------
(#) = Out of Range

          ej629ben+res.m        Thu Oct 08 14:52:12 2009
```

Initial Calibration Verification

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: EJ629-ICV629
Lab FileID: J13695.D

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\DATA\ej629\j13695.D            Vial: 9
Acq On    :  8 Oct 2009   2:26 pm                   Operator: sheilac
Sample    : icv629-50,(Bzth+Resor)                  Inst    : AGC-VOA-MSJ
Misc      : op12949,Ej629,1000,,,1,1,water          Multiplr: 1.00
MS Integration Params: rteint.p

Method       : C:\msdchem\1\METHODS\ej629ben+res.m (RTE Integrator)
Title        :
Last Update  : Thu Oct 08 14:50:46 2009
Response via : Single Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  25%     Max. Rel. Area : 200%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	0.00	4.73
2		Pyridine		----------NA----------				
3	S	2-Fluorophenol (SURR)		----------NA----------				
4		Benzenethiol	1.540	1.465	4.9	88	0.00	4.40
5	S	Phenol-d5 (SURR)		----------NA----------				
6	C	Phenol		----------NA----------				
7		1,3-Dichlorobenzene		----------NA----------				
8	C	1,4-Dichlorobenzene		----------NA----------				
9		1,2-Dichlorobenzene		----------NA----------				
10		Indene		----------NA----------				
11		2-Methylphenol		----------NA----------				
12		4-Methylphenol		----------NA----------				
13		m+p-Cresols		----------NA----------				
14	I	Naphthalene-d8	1.000	1.000	0.0	90	0.00	5.94
15	S	Nitrobenzene-d5 (SURR)		----------NA----------				
16		2,4-Dimethylphenol		----------NA----------				
17		Naphthalene		----------NA----------				
18		Quinoline		----------NA----------				
		----------	Amount	Calc.	%Drift		----------	
19		Resorcinol	50.000	47.270	5.5	87	-0.01	6.59
		----------	AvgRF	CCRF	%Dev		----------	
20		1-Methylnaphthalene		----------NA----------				
21	I	Acenaphthene-d10	1.000	1.000	0.0	87	0.00	8.41
22	S	2-Fluorobiphenyl (SURR)		----------NA----------				
23		Dimethylphthalate		----------NA----------				
24	P	2,4-Dinitrophenol		----------NA----------				
25	P	4-Nitrophenol		----------NA----------				
26		Diethylphthalate		----------NA----------				
27	I	Phenanthrene-d10	1.000	1.000	0.0	82	0.00	11.19
28	S	2,4,6-Tribromophenol (SUR		----------NA----------				
29		Phenanthrene		----------NA----------				
30		Anthracene		----------NA----------				
31		Di-n-butylphthalate		----------NA----------				
32	C	Fluoranthene		----------NA----------				
33	I	Chrysene-d12	1.000	1.000	0.0	72	0.00	16.71
34		Pyrene		----------NA----------				

Initial Calibration Verification

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EJ629-ICV629
Lab FileID: J13695.D

35	S	Terphenyl-d14		----------NA----------				
36		Butylbenzylphthalate		----------NA----------				
37		Benzo(a)anthracene		----------NA----------				
38		Chrysene		----------NA----------				
39		bis(2-Ethylhexyl)phthalat		----------NA----------				
40	I	Perylene-d12	1.000	1.000	0.0	85	0.00	19.51
41		Methyl Chrysene		----------NA----------				
42	C	Di-n-octylphthalate		----------NA----------				
43		7,12-Dimethylbenz(a)anthr		----------NA----------				
44		Benzo(b)fluoranthene		----------NA----------				
45		Benzo(k)fluoranthene		----------NA----------				
46	C	Benzo(a)pyrene		----------NA----------				
47		Dibenz(a,h)acridine		----------NA----------				
48		Dibenz(a,h)anthracene		----------NA----------				

j13689.D ej629ben+res.m Thu Oct 08 14:53:03 2009

7.7.12

7

Continuing Calibration Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: EJ633-CC615
Lab FileID: J13784.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ej633\j13784.D Vial: 2
Acq On : 13 Oct 2009 11:00 am Operator: sheilac
Sample : cc615-75 Inst : AGC-VOA-MSJ
Misc : op12949,Ej633,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\ej615mg.m (RTE Integrator)
Title :
Last Update : Fri Oct 09 16:33:16 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	148	-0.02	4.70
2		n-Nitrosodimethylamine	0.672	0.653	2.8	136	-0.01	2.45
3		Pyridine	1.186	1.188	-0.2	133	-0.01	2.42
4	S	2-Fluorophenol (SURR)	1.255	1.252	0.2	138	0.01	3.69
5	S	Phenol-d5 (SURR)	1.569	1.603	-2.2	137	0.00	4.49
6	C	Phenol	1.698	1.753	-3.2	138	-0.02	4.50
		----------	Amount	Calc.	%Drift		----------	
7		Aniline	75.000	77.160	-2.9	151	0.00	4.46
		----------	AvgRF	CCRF	%Dev		----------	
8		bis(2-Chloroethyl)ether	1.664	1.364	18.0	111	-0.02	4.51
9		2-Chlorophenol	1.317	1.210	8.1	130	-0.03	4.56
10		1,3-Dichlorobenzene	1.492	1.414	5.2	133	-0.02	4.66
11	C	1,4-Dichlorobenzene	1.601	1.552	3.1	138	-0.02	4.72
12		Benzyl Alcohol	0.918	0.844	8.1	125	-0.01	4.86
13		1,2-Dichlorobenzene	1.501	1.449	3.5	134	-0.02	4.85
14		2-Methylphenol	1.190	1.109	6.8	133	-0.03	4.97
15		bis(2-chloroisopropyl)eth	2.108	1.845	12.5	126	-0.01	4.95
16		4-Methylphenol	1.259	1.174	6.8	135	-0.01	5.12
17		m+p-Cresols	1.259	1.174	6.8	135	-0.01	5.12
18	P	n-Nitroso-di-n-propylamin	1.142	1.022	10.5	128	-0.03	5.09
19		Hexachloroethane	0.584	0.564	3.4	135	-0.02	5.14
20	I	Naphthalene-d8	1.000	1.000	0.0	140	-0.03	5.91
21	S	Nitrobenzene-d5 (SURR)	0.419	0.411	1.9	129	-0.09	5.21
22		Nitrobenzene	0.412	0.403	2.2	129	-0.09	5.23
23		Isophorone	0.756	0.690	8.7	121	-0.08	5.46
24	C	2-Nitrophenol	0.189	0.188	0.5	133	-0.09	5.52
25		2,4-Dimethylphenol	0.313	0.312	0.3	124	-0.08	5.61
26		bis(2-Chloroethoxy)methan	0.417	0.396	5.0	125	-0.08	5.67
27		Benzoic Acid	0.156	0.215	-37.8#	170	-0.05	5.84
28	C	2,4-Dichlorophenol	0.276	0.285	-3.3	135	-0.10	5.80
29		1,2,4-Trichlorobenzene	0.332	0.330	0.6	131	-0.10	5.85
30		Naphthalene	1.089	1.082	0.6	129	-0.09	5.94
		----------	Amount	Calc.	%Drift		----------	
31		4-Chloroaniline	75.000	73.480	2.0	135	-0.09	6.01
		----------	AvgRF	CCRF	%Dev		----------	
32	C	Hexachlorobutadiene	0.208	0.208	0.0	131	-0.10	6.08
33	C	4-Chloro-3-methylphenol	0.311	0.312	-0.3	129	-0.10	6.64

Continuing Calibration Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: EJ633-CC615
Lab FileID: J13784.D

34		2-Methylnaphthalene	0.666	0.656	1.5	128	-0.04	6.78
35		1-Methylnaphthalene	0.697	0.683	2.0	128	-0.04	6.91
36	I	Acenaphthene-d10	1.000	1.000	0.0	147	-0.04	8.37
		----------	Amount	Calc.	%Drift		----------	
37	P	Hexachlorocyclopentadiene	75.000	65.414	12.8	124	-0.04	7.00
		----------	AvgRF	CCRF	%Dev		----------	
38	C	2,4,6-Trichlorophenol	0.334	0.316	5.4	127	-0.04	7.21
		----------	Amount	Calc.	%Drift		----------	
39		2,4,5-Trichlorophenol	75.000	63.703	15.1	126	-0.04	7.28
40	S	2-Fluorobiphenyl (SURR)	75.000	66.113	11.8	125	-0.23	7.31
		----------	AvgRF	CCRF	%Dev		----------	
41		2-Chloronaphthalene	1.118	1.049	6.2	129	-0.24	7.48
42		2-Nitroaniline	0.376	0.349	7.2	126	-0.24	7.67
43		Dimethylphthalate	1.343	1.194	11.1	121	-0.04	8.01
44		Acenaphthylene	1.894	1.731	8.6	123	-0.26	8.14
45		2,6-Dinitrotoluene	0.316	0.288	8.9	124	-0.04	8.09
		----------	Amount	Calc.	%Drift		----------	
46		3-Nitroaniline	75.000	74.841	0.2	143	-0.24	8.38
		----------	AvgRF	CCRF	%Dev		----------	
47	C	Acenaphthene	1.113	1.048	5.8	129	-0.25	8.44
		----------	Amount	Calc.	%Drift		----------	
48	P	2,4-Dinitrophenol	75.000	78.786	-5.0	150	-0.23	8.57
49	P	4-Nitrophenol	75.000	73.959	1.4	147	-0.05	8.82
		----------	AvgRF	CCRF	%Dev		----------	
50		Dibenzofuran	1.590	1.493	6.1	127	-0.26	8.74
51		2,4-Dinitrotoluene	0.378	0.346	8.5	119	-0.04	8.79
		----------	Amount	Calc.	%Drift		----------	
52		2,3,4,6-Tetrachlorophenol	75.000	67.169	10.4	129	-0.26	9.00
		----------	AvgRF	CCRF	%Dev		----------	
53		Diethylphthalate	1.394	1.313	5.8	127	0.00	9.26
54		Fluorene	1.386	1.350	2.6	129	-0.04	9.36
		----------	Amount	Calc.	%Drift		----------	
55		4-Chlorophenyl-phenylethe	75.000	68.244	9.0	131	-0.26	9.38
		----------	AvgRF	CCRF	%Dev		----------	
56		4-Nitroaniline	0.226	0.218	3.5	124	-0.23	9.52
57	I	Phenanthrene-d10	1.000	1.000	0.0	141	-0.05	11.15
58		1,2-Diphenylhydrazine	1.017	1.021	-0.4	140	-0.12	9.69
		----------	Amount	Calc.	%Drift		----------	
59		4,6-Dinitro-2-methylpheno	75.000	67.487	10.0	125	-0.10	9.58
		----------	AvgRF	CCRF	%Dev		----------	
60		Diphenylamine	0.749	0.715	4.5	130	-0.12	9.65
61	C	n-Nitrosodiphenylamine	0.749	0.715	4.5	130	-0.12	9.65
62	S	2,4,6-Tribromophenol (SUR	0.135	0.141	-4.4	137	-0.13	9.83
63		4-Bromophenyl-phenylether	0.253	0.245	3.2	130	-0.13	10.30

Continuing Calibration Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EJ633-CC615
Lab FileID: J13784.D

64		Hexachlorobenzene	0.275	0.263	4.4	129	-0.05	10.43
		----------	Amount	Calc.	%Drift		----------	
65	C	Pentachlorophenol	75.000	70.273	6.3	132	-0.05	10.86
		----------	AvgRF	CCRF	%Dev		----------	
66		Phenanthrene	1.192	1.116	6.4	124	0.05	11.32
67		Anthracene	1.147	1.114	2.9	126	-0.11	11.32
68		Carbazole	0.924	0.918	0.6	127	-0.11	11.68
69		Di-n-butylphthalate	1.431	1.435	-0.3	129	-0.08	12.51
70	C	Fluoranthene	1.080	1.103	-2.1	128	-0.05	13.65
71	I	Chrysene-d12	1.000	1.000	0.0	181	-0.05	16.69
		----------	Amount	Calc.	%Drift		----------	
72		Benzidine	75.000	71.094	5.2	166	-0.07	14.01
		----------	AvgRF	CCRF	%Dev		----------	
73		Pyrene	1.409	1.002	28.9#	130	-0.09	14.11
74	S	Terphenyl-d14	0.955	0.720	24.6	133	-0.08	14.52
75		Butylbenzylphthalate	0.628	0.476	24.2	130	-0.05	15.62
76		Benzo(a)anthracene	1.125	1.011	10.1	158	-0.04	16.66
77		3,3'-Dichlorobenzidine	0.276	0.355	-28.6#	240#	-0.03	16.67
78		Chrysene	0.949	0.800	15.7	145	-0.05	16.75
79		bis(2-Ethylhexyl)phthalat	0.843	0.657	22.1	133	-0.05	16.90
80	I	Perylene-d12	1.000	1.000	0.0	149	-0.05	19.48
		----------	Amount	Calc.	%Drift		----------	
81	C	Di-n-octylphthalate	75.000	74.316	0.9	140	-0.05	18.19
		----------	AvgRF	CCRF	%Dev		----------	
82		Benzo(b)fluoranthene	1.322	1.267	4.2	134	-0.04	18.80
83		Benzo(k)fluoranthene	1.207	1.187	1.7	141	-0.04	18.86
84	C	Benzo(a)pyrene	1.129	1.091	3.4	135	0.05	19.38
85		Indeno(1,2,3-cd)pyrene	0.952	0.762	20.0	104	-0.07	21.55
86		Dibenz(a,h)anthracene	0.790	0.664	15.9	108	-0.08	21.58
87		Benzo(g,h,i)perylene	0.719	0.509	29.2#	93	-0.09	22.13

(#) = Out of Range SPCC's out = 0 CCC's out = 0
j13341.D ej615mg.m Tue Oct 13 12:21:38 2009

7.7.13

7

Continuing Calibration Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: EJ635-CC615
Lab FileID: J13837.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ej635\j13837.D Vial: 2
Acq On : 15 Oct 2009 10:48 am Operator: sheilac
Sample : cc615-50 Inst : AGC-VOA-MSJ
Misc : op12949,Ej635,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\ej615mg.m (RTE Integrator)
Title :
Last Update : Wed Oct 14 12:22:32 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	117	-0.02	4.71
2		n-Nitrosodimethylamine	0.672	0.701	-4.3	117	0.00	2.46
3		Pyridine	1.186	1.268	-6.9	113	0.00	2.44
4	S	2-Fluorophenol (SURR)	1.255	1.294	-3.1	112	0.02	3.69
5	S	Phenol-d5 (SURR)	1.569	1.764	-12.4	118	0.00	4.50
6	C	Phenol	1.698	1.938	-14.1	119	-0.02	4.50
		----------	Amount	Calc.	%Drift		----------	
7		Aniline	50.000	54.341	-8.7	124	0.01	4.47
		----------	AvgRF	CCRF	%Dev		----------	
8		bis(2-Chloroethyl)ether	1.664	1.476	11.3	99	-0.01	4.51
9		2-Chlorophenol	1.317	1.284	2.5	107	-0.03	4.57
10		1,3-Dichlorobenzene	1.492	1.472	1.3	108	-0.02	4.66
11	C	1,4-Dichlorobenzene	1.601	1.629	-1.7	112	0.01	4.73
12		Benzyl Alcohol	0.918	0.885	3.6	103	-0.01	4.86
13		1,2-Dichlorobenzene	1.501	1.518	-1.1	109	-0.02	4.85
14		2-Methylphenol	1.190	1.197	-0.6	113	0.01	4.97
15		bis(2-chloroisopropyl)eth	2.108	2.113	-0.2	114	0.00	4.96
16		4-Methylphenol	1.259	1.225	2.7	110	0.00	5.12
17		m+p-Cresols	1.259	1.225	2.7	110	0.00	5.12
18	P	n-Nitroso-di-n-propylamin	1.142	1.129	1.1	112	-0.03	5.09
19		Hexachloroethane	0.584	0.588	-0.7	110	-0.02	5.14
20	I	Naphthalene-d8	1.000	1.000	0.0	112	0.02	5.92
21	S	Nitrobenzene-d5 (SURR)	0.419	0.444	-6.0	111	-0.09	5.21
22		Nitrobenzene	0.412	0.439	-6.6	113	-0.09	5.23
23		Isophorone	0.756	0.748	1.1	106	-0.08	5.46
24	C	2-Nitrophenol	0.189	0.190	-0.5	107	-0.09	5.53
25		2,4-Dimethylphenol	0.313	0.327	-4.5	105	-0.01	5.61
26		bis(2-Chloroethoxy)methan	0.417	0.428	-2.6	110	-0.08	5.67
27		Benzoic Acid	0.156	0.161	-3.2	93	-0.09	5.81
28	C	2,4-Dichlorophenol	0.276	0.291	-5.4	111	-0.09	5.81
29		1,2,4-Trichlorobenzene	0.332	0.342	-3.0	108	-0.09	5.86
30		Naphthalene	1.089	1.157	-6.2	111	0.01	5.95
		----------	Amount	Calc.	%Drift		----------	
31		4-Chloroaniline	50.000	51.673	-3.3	112	-0.09	6.01
		----------	AvgRF	CCRF	%Dev		----------	
32	C	Hexachlorobutadiene	0.208	0.218	-4.8	111	-0.09	6.08
33	C	4-Chloro-3-methylphenol	0.311	0.308	1.0	104	-0.10	6.64

Continuing Calibration Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EJ635-CC615
Lab FileID: J13837.D

34		2-Methylnaphthalene	0.666	0.689	-3.5	107	-0.03	6.79
35		1-Methylnaphthalene	0.697	0.722	-3.6	107	-0.04	6.92
36	I	Acenaphthene-d10	1.000	1.000	0.0	111	-0.03	8.38
		----------	Amount	Calc.	%Drift		----------	
37	P	Hexachlorocyclopentadiene	50.000	30.344	39.3#	48	-0.03	7.01
		----------	AvgRF	CCRF	%Dev		----------	
38	C	2,4,6-Trichlorophenol	0.334	0.324	3.0	102	0.02	7.21
		----------	Amount	Calc.	%Drift		----------	
39		2,4,5-Trichlorophenol	50.000	42.558	14.9	97	-0.04	7.29
		----------	AvgRF	CCRF	%Dev		----------	
40	S	2-Fluorobiphenyl (SURR)	1.558	1.560	-0.1	104	-0.23	7.31
41		2-Chloronaphthalene	1.118	1.124	-0.5	106	-0.23	7.49
42		2-Nitroaniline	0.376	0.373	0.8	104	-0.24	7.67
43		Dimethylphthalate	1.343	1.219	9.2	97	-0.05	8.00
44		Acenaphthylene	1.894	1.812	4.3	100	-0.25	8.14
45		2,6-Dinitrotoluene	0.316	0.285	9.8	97	-0.04	8.08
		----------	Amount	Calc.	%Drift		----------	
46		3-Nitroaniline	50.000	49.361	1.3	110	-0.24	8.37
		----------	AvgRF	CCRF	%Dev		----------	
47	C	Acenaphthene	1.113	1.095	1.6	103	-0.25	8.44
		----------	Amount	Calc.	%Drift		----------	
48	P	2,4-Dinitrophenol	50.000	48.802	2.4	106	-0.23	8.57
49	P	4-Nitrophenol	50.000	33.447	33.1#	75	-0.05	8.82
		----------	AvgRF	CCRF	%Dev		----------	
50		Dibenzofuran	1.590	1.521	4.3	100	-0.26	8.74
51		2,4-Dinitrotoluene	0.378	0.330	12.7	90	-0.04	8.79
		----------	Amount	Calc.	%Drift		----------	
52		2,3,4,6-Tetrachlorophenol	50.000	41.673	16.7	91	-0.26	9.00
		----------	AvgRF	CCRF	%Dev		----------	
53		Diethylphthalate	1.394	1.263	9.4	96	-0.01	9.25
54		Fluorene	1.386	1.320	4.8	99	-0.04	9.36
		----------	Amount	Calc.	%Drift		----------	
55		4-Chlorophenyl-phenylethe	50.000	45.233	9.5	101	-0.26	9.38
		----------	AvgRF	CCRF	%Dev		----------	
56		4-Nitroaniline	0.226	0.196	13.3	90	-0.26	9.50
57	I	Phenanthrene-d10	1.000	1.000	0.0	100	-0.05	11.15
58		1,2-Diphenylhydrazine	1.017	1.046	-2.9	100	-0.13	9.68
		----------	Amount	Calc.	%Drift		----------	
59		4,6-Dinitro-2-methylpheno	50.000	45.362	9.3	91	-0.11	9.56
		----------	AvgRF	CCRF	%Dev		----------	
60		Diphenylamine	0.749	0.768	-2.5	97	-0.13	9.64
61	C	n-Nitrosodiphenylamine	0.749	0.768	-2.5	97	-0.13	9.64
62	S	2,4,6-Tribromophenol (SUR	0.135	0.135	0.0	95	-0.13	9.83
63		4-Bromophenyl-phenylether	0.253	0.256	-1.2	96	-0.12	10.31

Continuing Calibration Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EJ635-CC615
Lab FileID: J13837.D

64		Hexachlorobenzene	0.275	0.272	1.1	96	-0.05	10.43
		----------	Amount	Calc.	%Drift		----------	
65	C	Pentachlorophenol	50.000	44.732	10.5	87	-0.04	10.86
		----------	AvgRF	CCRF	%Dev		----------	
66		Phenanthrene	1.192	1.179	1.1	95	0.02	11.21
67		Anthracene	1.147	1.124	2.0	94	-0.12	11.31
68		Carbazole	0.924	0.860	6.9	90	-0.11	11.68
69		Di-n-butylphthalate	1.431	1.356	5.2	94	-0.08	12.51
70	C	Fluoranthene	1.080	0.968	10.4	91	-0.05	13.65
71	I	Chrysene-d12	1.000	1.000	0.0	113	-0.05	16.69
		----------	Amount	Calc.	%Drift		----------	
72		Benzidine	50.000	52.313	-4.6	112	-0.08	14.00
		----------	AvgRF	CCRF	%Dev		----------	
73		Pyrene	1.409	1.368	2.9	92	-0.09	14.11
74	S	Terphenyl-d14	0.955	0.944	1.2	96	-0.08	14.52
75		Butylbenzylphthalate	0.628	0.599	4.6	99	-0.05	15.62
76		Benzo(a)anthracene	1.125	1.105	1.8	108	0.02	16.66
77		3,3'-Dichlorobenzidine	0.276	0.314	-13.8	160	-0.04	16.66
78		Chrysene	0.949	0.929	2.1	106	-0.06	16.74
79		bis(2-Ethylhexyl)phthalat	0.843	0.799	5.2	109	-0.05	16.90
80	I	Perylene-d12	1.000	1.000	0.0	100	-0.05	19.48
		----------	Amount	Calc.	%Drift		----------	
81	C	Di-n-octylphthalate	50.000	53.081	-6.2	115	-0.05	18.19
		----------	AvgRF	CCRF	%Dev		----------	
82		Benzo(b)fluoranthene	1.322	1.350	-2.1	99	0.03	18.80
83		Benzo(k)fluoranthene	1.207	1.376	-14.0	105	-0.05	18.85
84	C	Benzo(a)pyrene	1.129	1.176	-4.2	100	0.05	19.38
85		Indeno(1,2,3-cd)pyrene	0.952	0.963	-1.2	92	-0.05	21.57
86		Dibenz(a,h)anthracene	0.790	0.805	-1.9	93	-0.06	21.59
87		Benzo(g,h,i)perylene	0.719	0.697	3.1	86	-0.07	22.15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
j13340.D ej615mg.m Thu Oct 15 11:54:26 2009

7.7.14

7

Continuing Calibration Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: EJ635-CC629
Lab FileID: J13838.D

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\DATA\ej635\j13838.D            Vial: 3
Acq On    : 15 Oct 2009  11:20 am                   Operator: sheilac
Sample    : cc629-50,(Bzth+Resor)                   Inst    : AGC-VOA-MSJ
Misc      : op12949,Ej635,1000,,,1,1,water          Multiplr: 1.00
MS Integration Params: rteint.p

Method       : C:\msdchem\1\METHODS\ej629ben+res.m (RTE Integrator)
Title        :
Last Update  : Thu Oct 08 14:53:20 2009
Response via : Single Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  25%     Max. Rel. Area : 200%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	145	-0.02	4.71
2		Pyridine		----------NA----------				
3	S	2-Fluorophenol (SURR)	1.540	1.862	-20.9	177	-0.02	3.70
4		Benzenethiol	1.540	1.803	-17.1	168	-0.02	4.39
5	S	Phenol-d5 (SURR)	1.959	2.351	-20.0	178	-0.03	4.49
6	C	Phenol		----------NA----------				
7		1,3-Dichlorobenzene		----------NA----------				
8	C	1,4-Dichlorobenzene		----------NA----------				
9		1,2-Dichlorobenzene		----------NA----------				
10		Indene		----------NA----------				
11		2-Methylphenol		----------NA----------				
12		4-Methylphenol		----------NA----------				
13		m+p-Cresols		----------NA----------				
14	I	Naphthalene-d8	1.000	1.000	0.0	148	-0.02	5.91
15	S	Nitrobenzene-d5 (SURR)	0.498	0.604	-21.3	181	-0.03	5.20
16		2,4-Dimethylphenol		----------NA----------				
17		Naphthalene		----------NA----------				
18		Quinoline		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
19		Resorcinol	40.000	40.366	-0.9	154	-0.04	6.56
		----------	AvgRF	CCRF	%Dev	----------		
20		1-Methylnaphthalene		----------NA----------				
21	I	Acenaphthene-d10	1.000	1.000	0.0	143	-0.04	8.37
22	S	2-Fluorobiphenyl (SURR)	1.640	2.142	-30.6#	189	-0.04	7.31
23		Dimethylphthalate		----------NA----------				
24	P	2,4-Dinitrophenol		----------NA----------				
25	P	4-Nitrophenol		----------NA----------				
26		Diethylphthalate		----------NA----------				
27	I	Phenanthrene-d10	1.000	1.000	0.0	120	-0.05	11.14
28	S	2,4,6-Tribromophenol (SUR	0.136	0.173	-27.2#	164	-0.06	9.81
29		Phenanthrene		----------NA----------				
30		Anthracene		----------NA----------				
31		Di-n-butylphthalate		----------NA----------				
32	C	Fluoranthene		----------NA----------				
33	I	Chrysene-d12	1.000	1.000	0.0	115	-0.04	16.66
34		Pyrene		----------NA----------				

Continuing Calibration Summary

Job Number: T39513
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EJ635-CC629
Lab FileID: J13838.D

```
35 S   Terphenyl-d14                1.227   1.538    -25.3# 143  -0.06   14.51
36     Butylbenzylphthalate                ----------NA----------
37     Benzo(a)anthracene                  ----------NA----------
38     Chrysene                            ----------NA----------
39     bis(2-Ethylhexyl)phthalat           ----------NA----------

40 I   Perylene-d12                 1.000   1.000      0.0  112  -0.04   19.47
41     Methyl Chrysene                     ----------NA----------
42 C   Di-n-octylphthalate                 ----------NA----------
43     7,12-Dimethylbenz(a)anthr           ----------NA----------
44     Benzo(b)fluoranthene                ----------NA----------
45     Benzo(k)fluoranthene                ----------NA----------
46 C   Benzo(a)pyrene                     ----------NA----------
47     Dibenz(a,h)acridine                 ----------NA----------
48     Dibenz(a,h)anthracene               ----------NA----------
-------------------------------------------------------------------------
-------------------------------------------------------------------------

   (#) = Out of Range                SPCC's out = 0  CCC's out = 0
    j13690.D   ej629ben+res.m        Thu Oct 15 11:50:14 2009
```

7.7.15

7

GC/MS Semi-volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13795.D
Acq On : 13 Oct 2009 4:23 pm
Operator : sheilac
Sample : t39513-1
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 14 10:50:57 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Tue Oct 13 13:17:41 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.699	152	510815	40.00	ug/ml	-0.03
20) Naphthalene-d8	5.902	136	1888815	40.00	ug/ml	-0.04
36) Acenaphthene-d10	8.357	164	1099992	40.00	ug/ml	-0.06
57) Phenanthrene-d10	11.133	188	1639293	40.00	ug/ml	-0.07
71) Chrysene-d12	16.653	240	1186039	40.00	ug/ml	-0.08
80) Perylene-d12	19.461	264	775187	40.00	ug/ml	-0.06
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.699	112	451204	28.15	ug/ml	0.02
Spiked Amount 100.000	Range 10 - 66		Recovery = 28.15%			
5) Phenol-d5 (SURR)	4.480	99	526971	26.30	ug/ml	-0.02
Spiked Amount 100.000	Range 10 - 53		Recovery = 26.30%			
21) Nitrobenzene-d5 (SURR)	5.191	82	396884	20.04	ug/ml	-0.11
Spiked Amount 50.000	Range 29 - 115		Recovery = 40.08%			
40) 2-Fluorobiphenyl (SURR)	7.293	172	778525	17.89	ug/ml	-0.25
Spiked Amount 50.000	Range 34 - 113		Recovery = 35.78%			
62) 2,4,6-Tribromophenol (...	9.807	330	417985	75.78	ug/ml	-0.16
Spiked Amount 100.000	Range 32 - 128		Recovery = 75.78%			
74) Terphenyl-d14	14.503	244	1219209	43.05	ug/ml	-0.09
Spiked Amount 50.000	Range 12 - 145		Recovery = 86.10%			
Target Compounds						Qvalue
79) bis(2-Ethylhexyl)phtha...	16.878	149	34274	1.37	ug/ml#	51

(#) = qualifier out of range (m) = manual integration (+) = signals summed

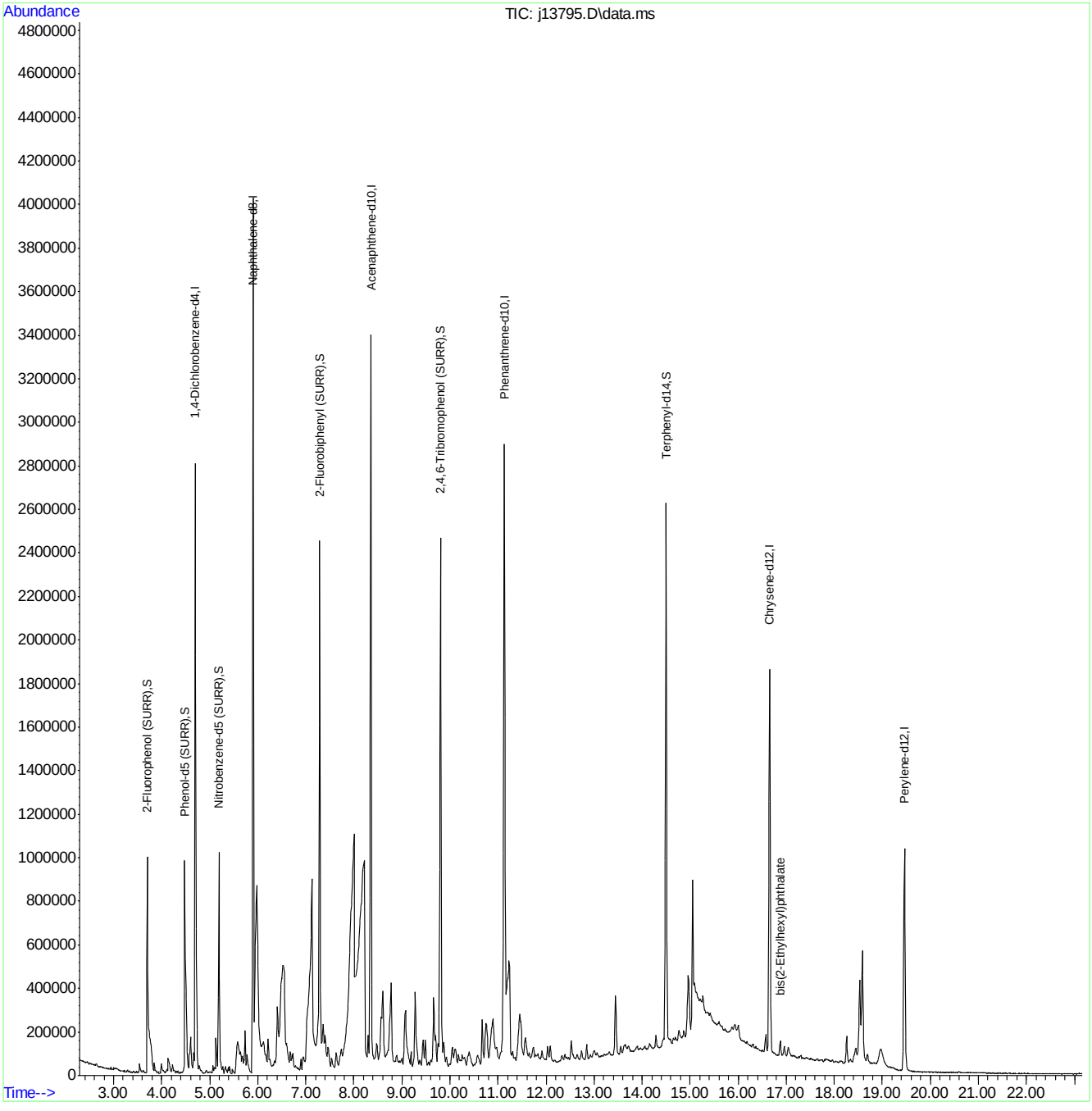
8.1.1

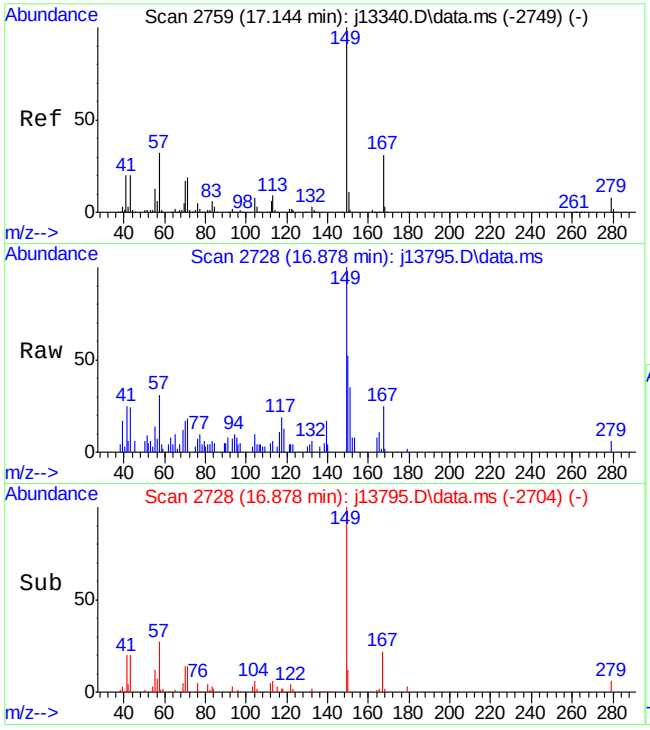
8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13795.D
Acq On : 13 Oct 2009 4:23 pm
Operator : sheilac
Sample : t39513-1
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 14 10:50:57 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Tue Oct 13 13:17:41 2009
Response via : Initial Calibration

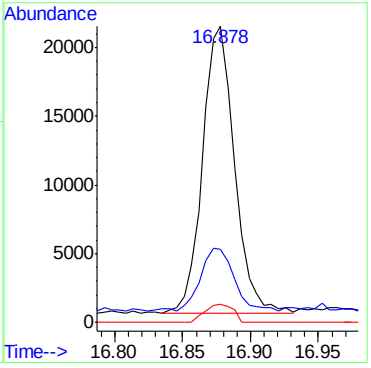




#79
bis(2-Ethylhexyl)phthalate
Concen: 1.37 ug/ml
RT: 16.878 min Scan# 2728
Delta R.T. -0.070 min
Lab File: j13795.D
Acq: 13 Oct 2009 4:23 pm

Tgt Ion:149 Resp: 34274

Ion	Ratio	Lower	Upper
149	100		
167	0.0	11.1	51.1#
279	0.0	0.0	28.6



8.1.1

8

LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13795.D
Acq On : 13 Oct 2009 4:23 pm
Operator : sheilac
Sample : t39513-1
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 13 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 23000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\ej615mg.m
Title :

Signal : TIC: j13795.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.699	261	264	290	rBV	994388	1832403	29.77%	2.510%
2	3.993	310	319	325	rBV2	46443	68345	1.11%	0.094%
3	4.137	343	346	358	rVB	60808	136539	2.22%	0.187%
4	4.480	407	410	426	rBV	959934	1722084	27.98%	2.359%
5	4.576	426	428	430	rVV2	66366	64937	1.06%	0.089%
6	4.597	430	432	442	rVV	151493	237346	3.86%	0.325%
7	4.667	442	445	447	rVV	79761	82834	1.35%	0.113%
8	4.699	447	451	464	rVB	2784068	3488083	56.67%	4.778%
9	5.132	529	532	538	rBV	142951	193288	3.14%	0.265%
10	5.191	539	543	555	rVB	999671	1263644	20.53%	1.731%
11	5.576	606	615	625	rBV4	147015	601213	9.77%	0.823%
12	5.737	639	645	649	rVB2	157871	186557	3.03%	0.256%
13	5.779	649	653	669	rVB	83163	192319	3.12%	0.263%
14	5.902	670	676	681	rBV	4016856	4610419	74.91%	6.315%
15	5.977	681	690	706	rVB	745016	2755005	44.76%	3.774%
16	6.213	731	734	739	rBV2	108767	141129	2.29%	0.193%
17	6.411	764	771	776	rBV2	257000	562234	9.14%	0.770%
18	6.496	778	787	788	rBV2	260661	528714	8.59%	0.724%
19	6.678	817	821	825	rBV2	51318	80652	1.31%	0.110%
20	6.726	825	830	837	rVB5	64088	134348	2.18%	0.184%
21	6.940	866	870	871	rBV2	59987	72539	1.18%	0.099%
22	7.127	879	905	921	rBV	841293	3592460	58.37%	4.921%
23	7.293	926	936	943	rVV2	2405745	3830835	62.24%	5.247%
24	7.363	944	949	954	rVV3	191215	453099	7.36%	0.621%
25	7.405	954	957	963	rVV3	141925	264156	4.29%	0.362%
26	7.464	964	968	978	rVV6	93079	218240	3.55%	0.299%
27	7.539	978	982	989	rVB7	44616	85629	1.39%	0.117%
28	7.635	994	1000	1008	rBV6	65597	146523	2.38%	0.201%
29	7.737	1010	1019	1024	rBV5	73958	207174	3.37%	0.284%
30	8.004	1025	1069	1072	rBV	1018281	6154598	100.00%	8.430%
31	8.299	1120	1124	1127	rBV	101779	119520	1.94%	0.164%
32	8.357	1127	1135	1141	rVB	3308813	4920166	79.94%	6.739%
33	8.475	1153	1157	1164	rVB2	72377	130087	2.11%	0.178%
34	8.566	1164	1174	1176	rBV4	196684	342381	5.56%	0.469%

LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13795.D
Acq On : 13 Oct 2009 4:23 pm
Operator : sheilac
Sample : t39513-1
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 13 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 23000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\ej615mg.m
Title :

35	8.603	1177	1181	1191	rVB2	305859	603466	9.81%	0.827%
36	8.780	1202	1214	1224	rVB	361929	1057116	17.18%	1.448%
37	8.892	1230	1235	1243	rVB5	34528	66492	1.08%	0.091%
38	9.074	1259	1269	1287	rVV2	247570	799922	13.00%	1.096%
39	9.192	1287	1291	1295	rVB	67928	87061	1.41%	0.119%
40	9.283	1295	1308	1321	rBV	341075	860737	13.99%	1.179%
41	9.443	1331	1338	1342	rBV3	117161	226341	3.68%	0.310%
42	9.491	1342	1347	1354	rVB	116575	196494	3.19%	0.269%
43	9.662	1372	1379	1384	rBV	291095	542110	8.81%	0.743%
44	9.753	1391	1396	1398	rBV2	87348	136248	2.21%	0.187%
45	9.807	1398	1406	1414	rVV3	2412408	4464964	72.55%	6.116%
46	9.871	1414	1418	1425	rVV2	104970	205302	3.34%	0.281%
47	9.930	1425	1429	1435	rVB4	43649	73805	1.20%	0.101%
48	10.053	1444	1452	1456	rBV5	81522	181907	2.96%	0.249%
49	10.401	1506	1517	1532	rVB5	65501	291049	4.73%	0.399%
50	10.572	1545	1549	1562	rVB6	42041	113035	1.84%	0.155%
51	10.673	1562	1568	1575	rBV	206670	402426	6.54%	0.551%
52	10.748	1575	1582	1594	rVB6	160365	485224	7.88%	0.665%
53	10.893	1595	1609	1620	rBV8	180109	783802	12.74%	1.074%
54	11.133	1644	1654	1660	rBV2	2773831	5279104	85.77%	7.231%
55	11.454	1700	1714	1717	rBV	212732	641977	10.43%	0.879%
56	11.572	1729	1736	1747	rVB5	87591	246498	4.01%	0.338%
57	11.732	1762	1766	1773	rVB4	44315	84612	1.37%	0.116%
58	11.920	1797	1801	1810	rVB6	39540	69616	1.13%	0.095%
59	12.037	1817	1823	1828	rBV4	59837	117988	1.92%	0.162%
60	12.091	1828	1833	1839	rVB3	64585	112641	1.83%	0.154%
61	12.524	1909	1914	1928	rBV9	86731	199700	3.24%	0.274%
62	12.738	1951	1954	1962	rVB3	39603	64162	1.04%	0.088%
63	12.845	1969	1974	1981	rVB3	66239	102879	1.67%	0.141%
64	13.449	2080	2087	2099	rVB3	267583	542437	8.81%	0.743%
65	14.289	2240	2244	2249	rVB4	54220	84978	1.38%	0.116%
66	14.503	2275	2284	2293	rBV	2465209	4268129	69.35%	5.846%
67	14.963	2363	2370	2379	rVB4	249060	616863	10.02%	0.845%
68	15.054	2380	2387	2392	rBV2	682172	1254768	20.39%	1.719%
69	16.573	2666	2671	2677	rBV2	79038	133606	2.17%	0.183%
70	16.653	2678	2686	2700	rVB	1761272	3454505	56.13%	4.732%
71	16.878	2723	2728	2735	rVB	71102	118020	1.92%	0.162%

LSC Area Percent Report

```
Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13795.D
Acq On    : 13 Oct 2009   4:23 pm
Operator  : sheilac
Sample    : t39513-1
Misc      : op13230,Ej633,1000,,,1,1,water
ALS Vial  : 13   Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON                            Filtering: 5
Sampling  : 1                              Min Area: 23000 Area counts
Start Thrs: 0.2                           Max Peaks: 100
Stop Thrs : 0                         Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method    : C:\msdchem\1\METHODS\ej615mg.m
Title     :
```

72	16.958	2741	2743	2752	rVB3	45562	66663	1.08%	0.091%
73	18.258	2980	2986	2993	rVB2	122509	210491	3.42%	0.288%
74	18.450	3010	3022	3027	rBV7	63121	200206	3.25%	0.274%
75	18.531	3028	3037	3041	rVV	375568	869447	14.13%	1.191%
76	18.584	3042	3047	3062	rVV	510768	1098303	17.85%	1.504%
77	19.461	3201	3211	3226	rVB	1020276	2174515	35.33%	2.978%

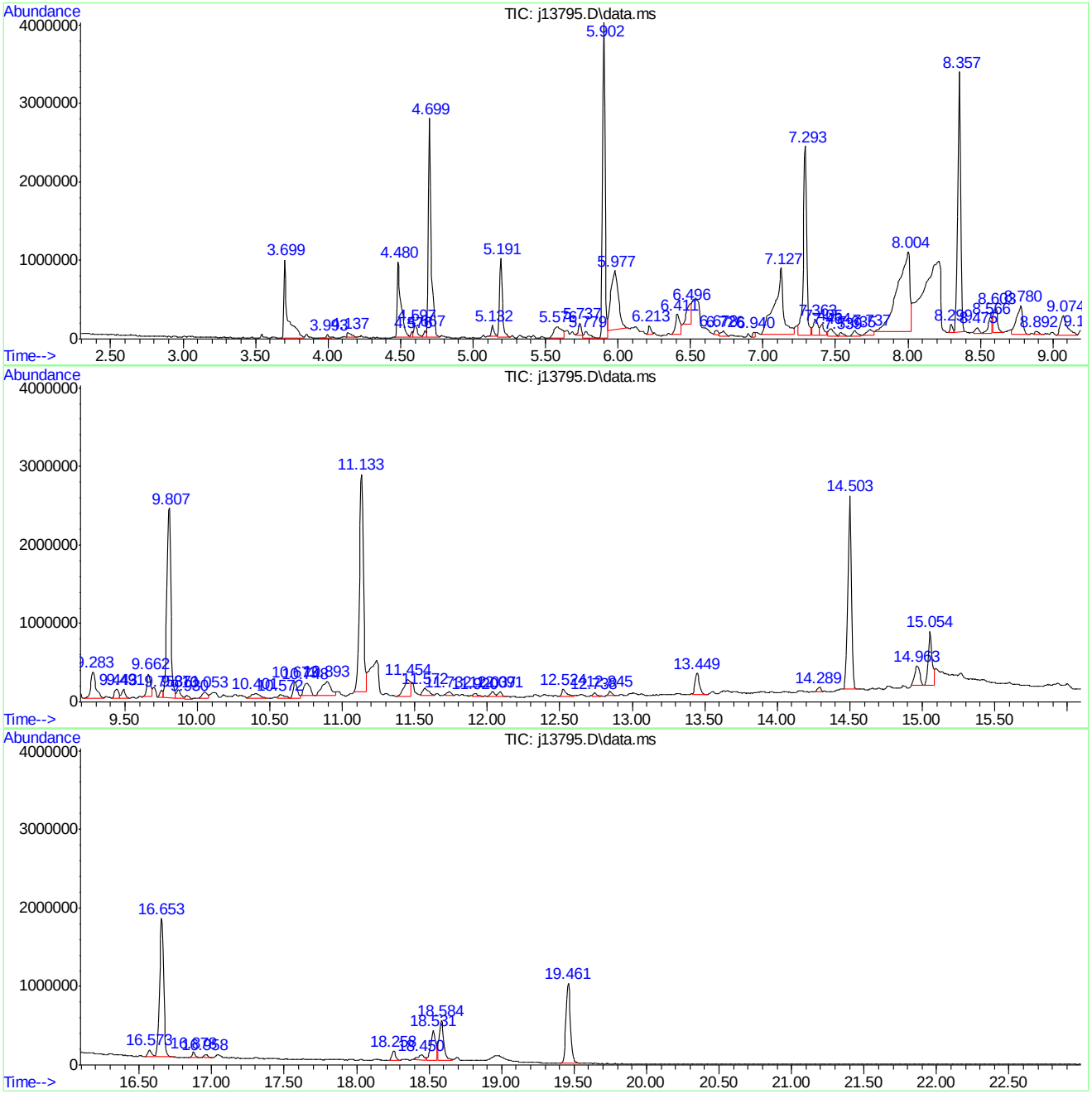
Sum of corrected areas: 73009109

LSC Report - Integrated Chromatogram

```
Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13795.D
Acq On    : 13 Oct 2009   4:23 pm
Operator  : sheilac
Sample    : t39513-1
Misc      : op13230,Ej633,1000,,,1,1,water
ALS Vial  : 13   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
```



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13795.D
Acq On : 13 Oct 2009 4:23 pm
Operator : sheilac
Sample : t39513-1
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 13 Sample Multiplier: 1

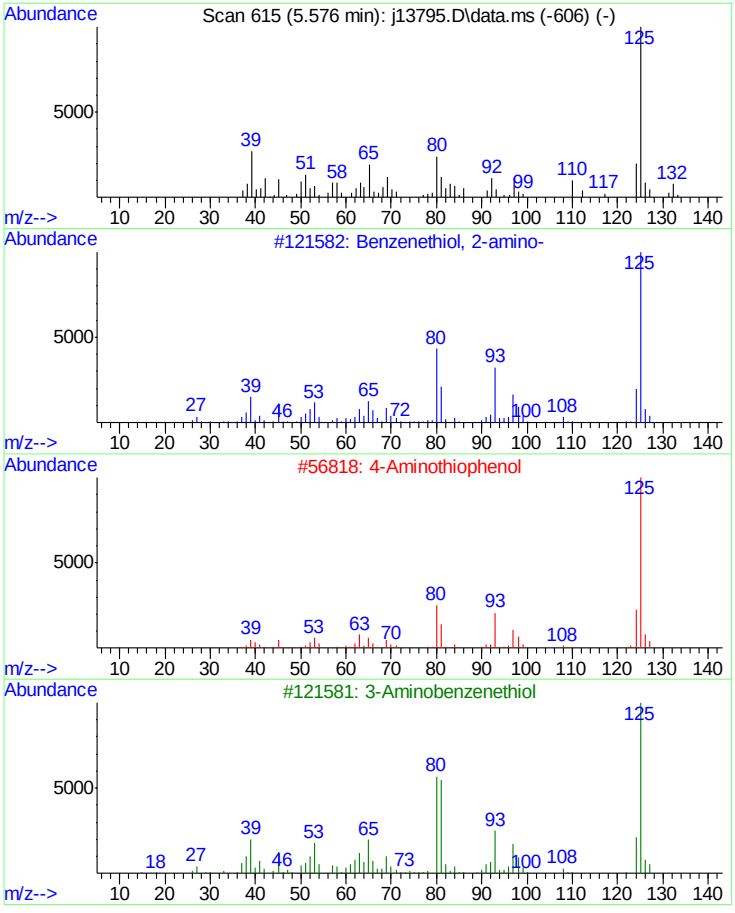
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

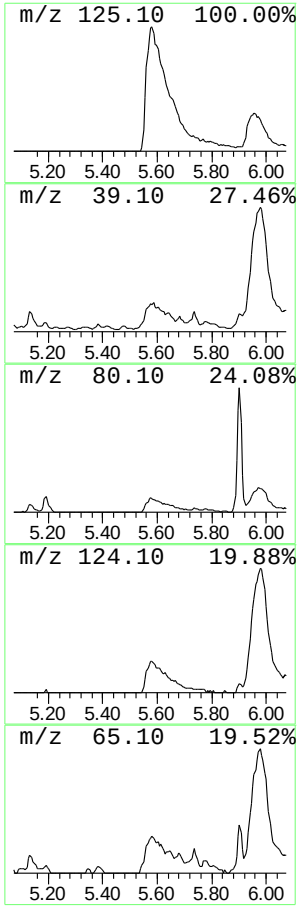
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Benzenethiol, 2-amino- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.576	5.22 ug/ml	601213	Naphthalene-d8	5.902

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenethiol, 2-amino-	125	C6H7NS	000137-07-5	83
2	4-Aminothiophenol	125	C6H7NS	001193-02-8	76
3	3-Aminobenzenethiol	125	C6H7NS	022948-02-3	64
4	2(1H)-Pyridinethione, 4-methyl-	125	C6H7NS	018368-65-5	64
5	2(1H)-Pyridinethione, 1-methyl-	125	C6H7NS	002044-27-1	58





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13795.D
Acq On : 13 Oct 2009 4:23 pm
Operator : sheilac
Sample : t39513-1
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 13 Sample Multiplier: 1

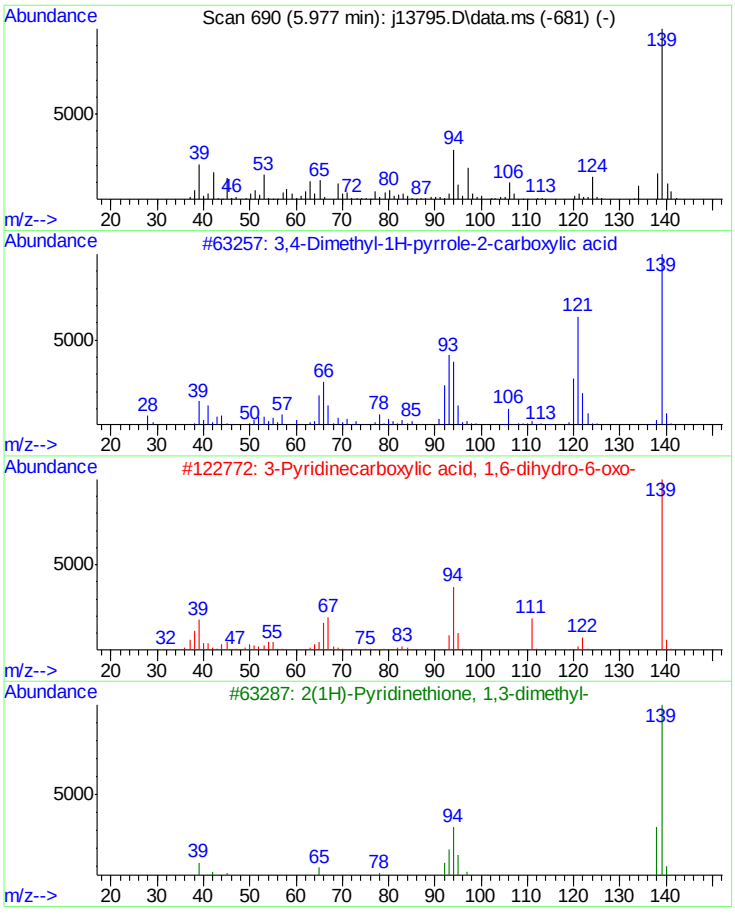
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

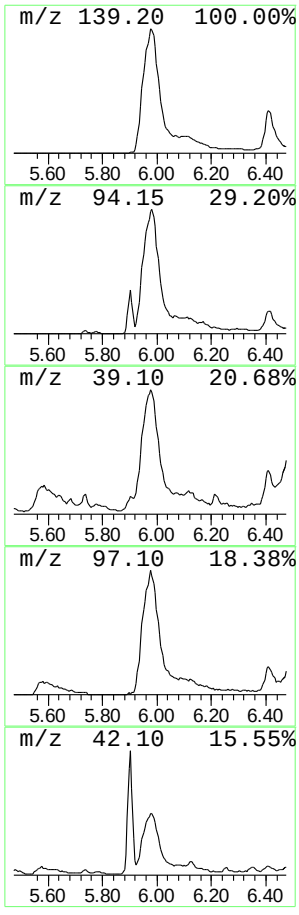
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 3,4-Dimethyl-1H-pyrrole-2-c... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.977	23.90 ug/ml	2755010	Naphthalene-d8	5.902

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dimethyl-1H-pyrrole-2-carbox...	139	C7H9NO2	089776-55-6	59
2	3-Pyridinecarboxylic acid, 1,6-d...	139	C6H5NO3	005006-66-6	50
3	2(1H)-Pyridinethione, 1,3-dimethyl-	139	C7H9NS	019006-66-7	47
4	Benzenamine, N-sulfinyl-	139	C6H5NOS	001122-83-4	47
5	Pyridine, 3-(ethylthio)-	139	C7H9NS	026891-59-8	47





Library Search Compound Report

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Acq On : 13 Oct 2009 4:23 pm
Operator : sheilac
Sample : t39513-1
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 13 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

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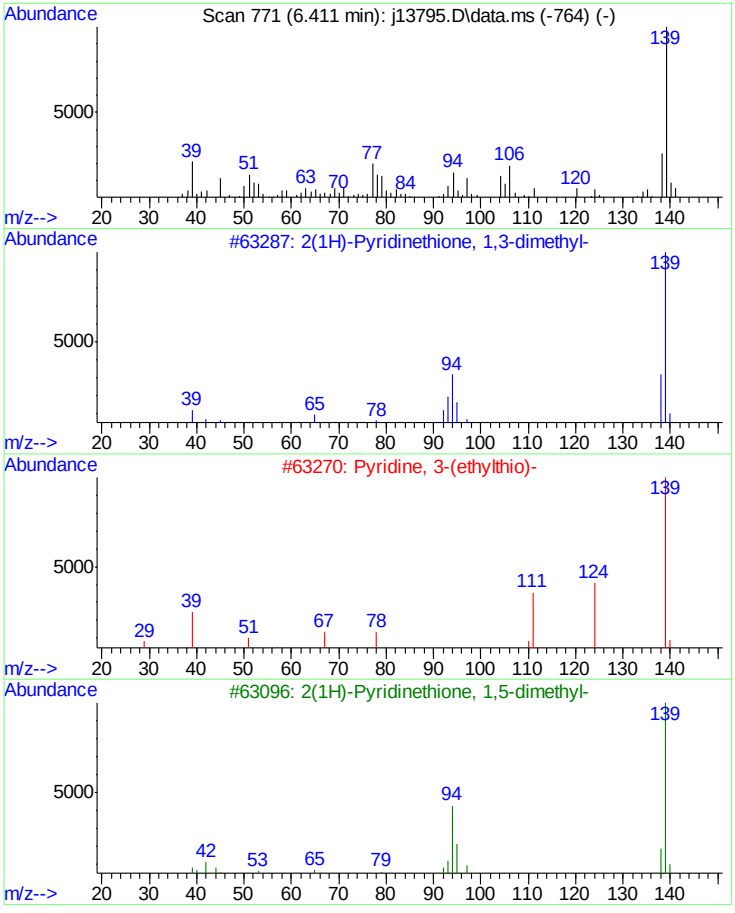
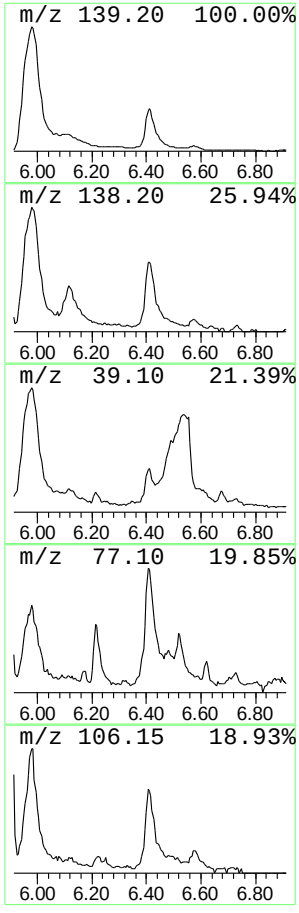
Peak Number 3 2(1H)-Pyridinethione, 1,3-d... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.411	4.88 ug/ml	562234	Naphthalene-d8	5.902

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(1H)-Pyridinethione, 1,3-dimethyl-	139	C7H9NS	019006-66-7	50
2	Pyridine, 3-(ethylthio)-	139	C7H9NS	026891-59-8	38
3	2(1H)-Pyridinethione, 1,5-dimethyl-	139	C7H9NS	019006-68-9	38
4	Benzene, 1-(bromomethyl)-4-(chlo...	218	C8H8BrCl	1000142-00-5	37
5	2(1H)-Pyridinethione, 1,6-dimethyl-	139	C7H9NS	019006-69-0	36





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ALS Vial : 13 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

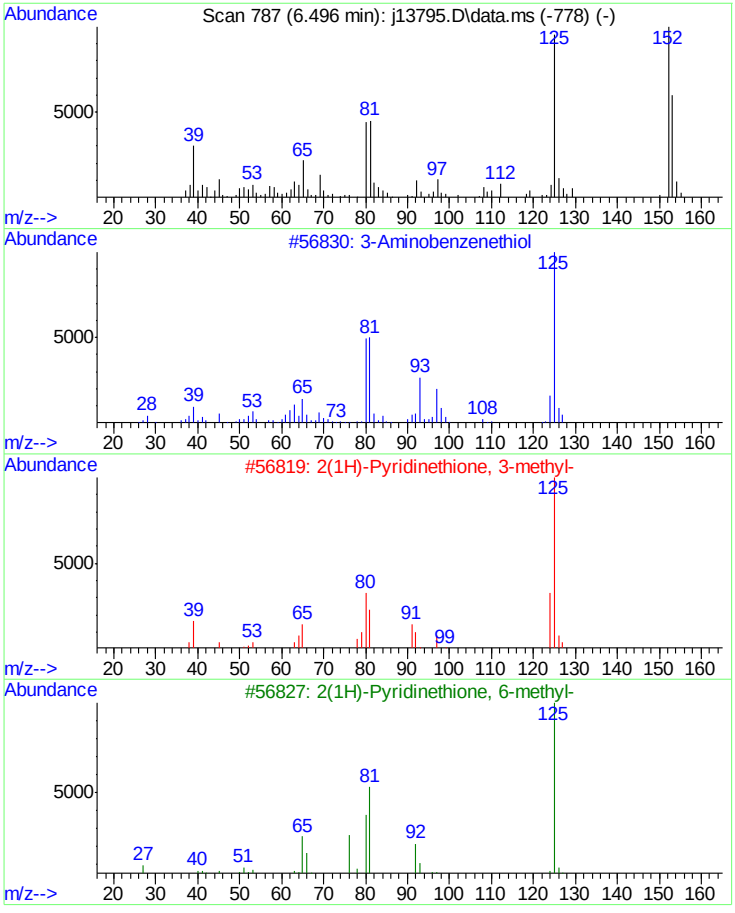
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

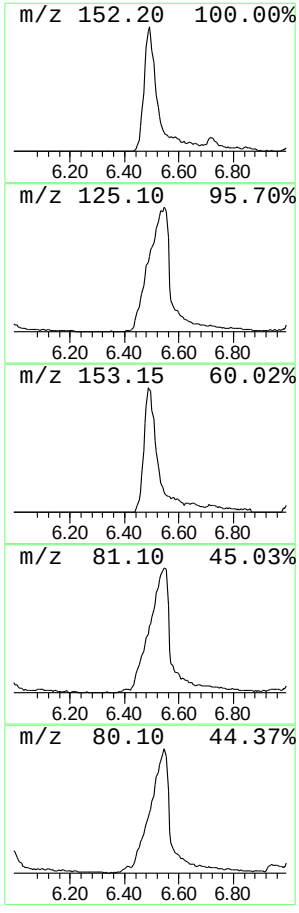
****

Peak Number 4 3-Aminobenzenethiol Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.496	4.59 ug/ml	528714	Naphthalene-d8	5.902

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Aminobenzenethiol	125	C6H7NS	022948-02-3	50
2	2(1H)-Pyridinethione, 3-methyl-	125	C6H7NS	018368-66-6	46
3	2(1H)-Pyridinethione, 6-methyl-	125	C6H7NS	018368-57-5	45
4	3-Aminobenzenethiol	125	C6H7NS	022948-02-3	43
5	2(1H)-Pyridinethione, 4-methyl-	125	C6H7NS	018368-65-5	43





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Misc      : op13230,Ej633,1000,,,1,1,water
ALS Vial  : 13   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
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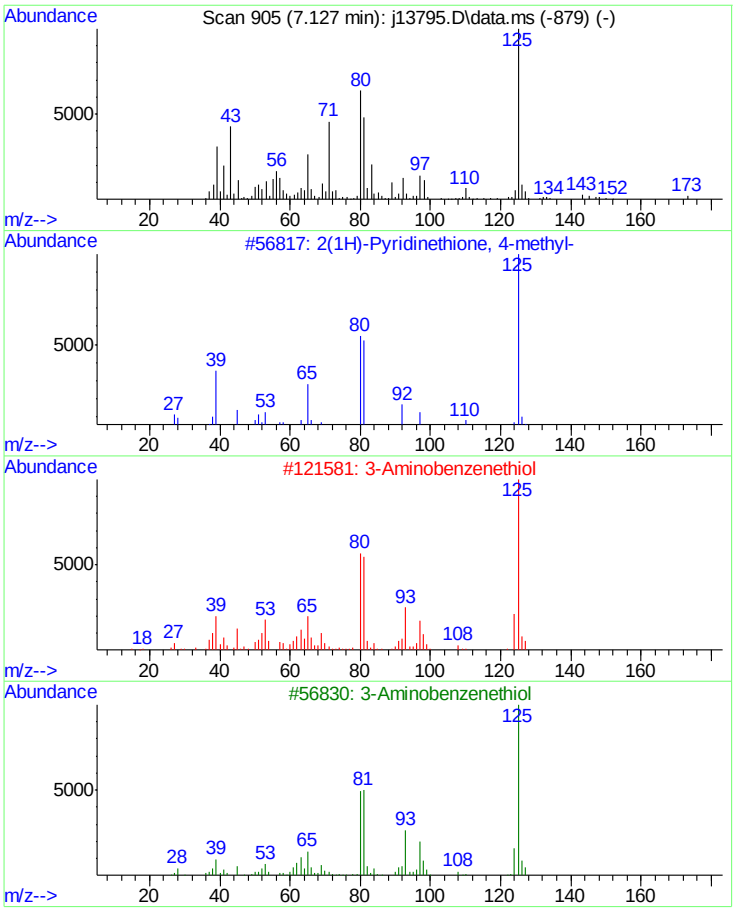
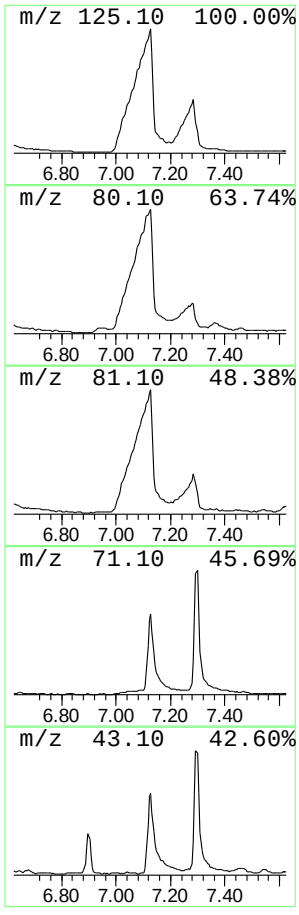
Peak Number 5 2(1H)-Pyridinethione, 4-met... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.127	31.17 ug/ml	3592460	Naphthalene-d8	5.902

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(1H)-Pyridinethione, 4-methyl-	125	C6H7NS	018368-65-5	95
2	3-Aminobenzenethiol	125	C6H7NS	022948-02-3	58
3	3-Aminobenzenethiol	125	C6H7NS	022948-02-3	49
4	2(1H)-Pyridinethione, 1-methyl-	125	C6H7NS	002044-27-1	43
5	Benzenethiol, 2-amino-	125	C6H7NS	000137-07-5	43





Library Search Compound Report

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Operator : sheilac
Sample : t39513-1
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 13 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

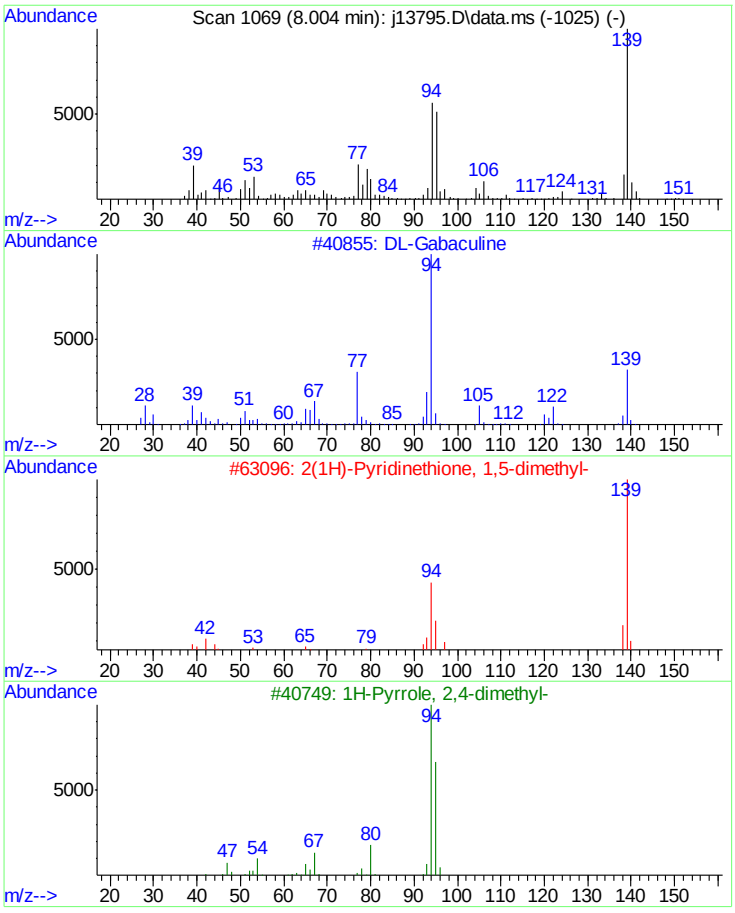
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

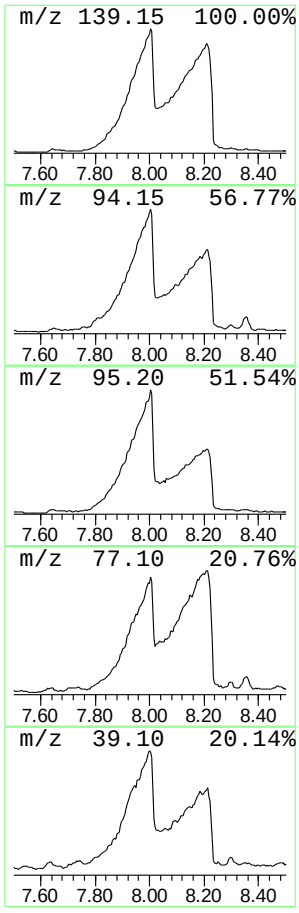
****

Peak Number 6 DL-Gabaculine Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.004	50.04 ug/ml	6154600	Acenaphthene-d10	8.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	DL-Gabaculine	139	C7H9NO2	059556-18-2	50
2	2(1H)-Pyridinethione, 1,5-dimethyl-	139	C7H9NS	019006-68-9	40
3	1H-Pyrrole, 2,4-dimethyl-	95	C6H9N	000625-82-1	30
4	1H-Pyrrole, 2,3-dimethyl-	95	C6H9N	000600-28-2	27
5	1H-Pyrrole, 2,3-dimethyl-	95	C6H9N	000600-28-2	27





Library Search Compound Report

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Operator : sheilac
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Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 13 Sample Multiplier: 1

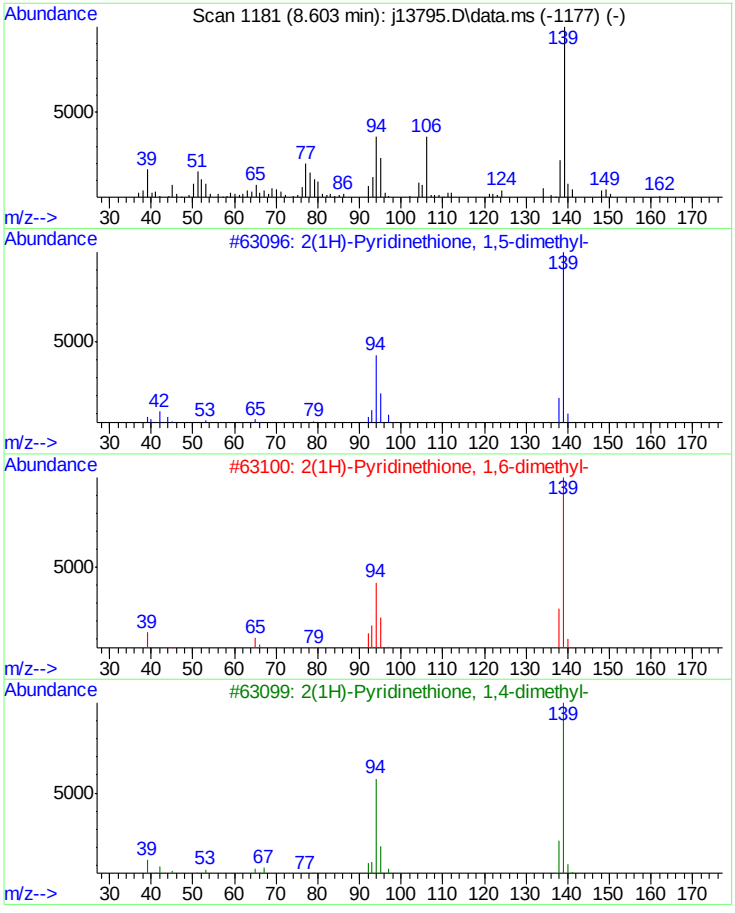
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

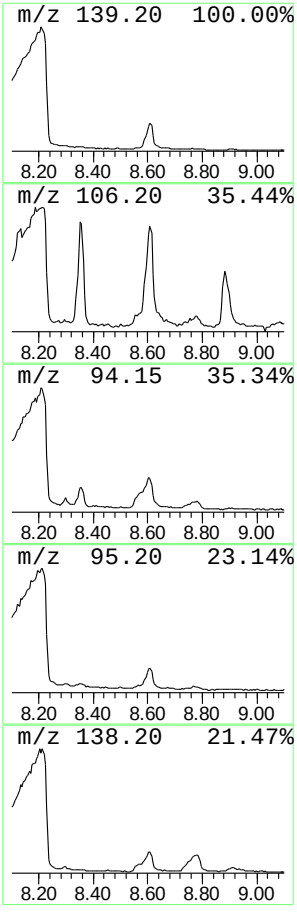
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 2(1H)-Pyridinethione, 1,5-d... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.603	4.91 ug/ml	603466	Acenaphthene-d10	8.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(1H)-Pyridinethione, 1,5-dimethyl-	139	C7H9NS	019006-68-9	64
2	2(1H)-Pyridinethione, 1,6-dimethyl-	139	C7H9NS	019006-69-0	52
3	2(1H)-Pyridinethione, 1,4-dimethyl-	139	C7H9NS	019006-67-8	52
4	3-Pyridinecarboxylic acid, 1,6-d...	139	C6H5NO3	005006-66-6	43
5	.alpha.-(Aminomethylene)glutacon...	139	C6H5NO3	067598-07-6	38





Library Search Compound Report

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Misc      : op13230,Ej633,1000,,,1,1,water
ALS Vial  : 13   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
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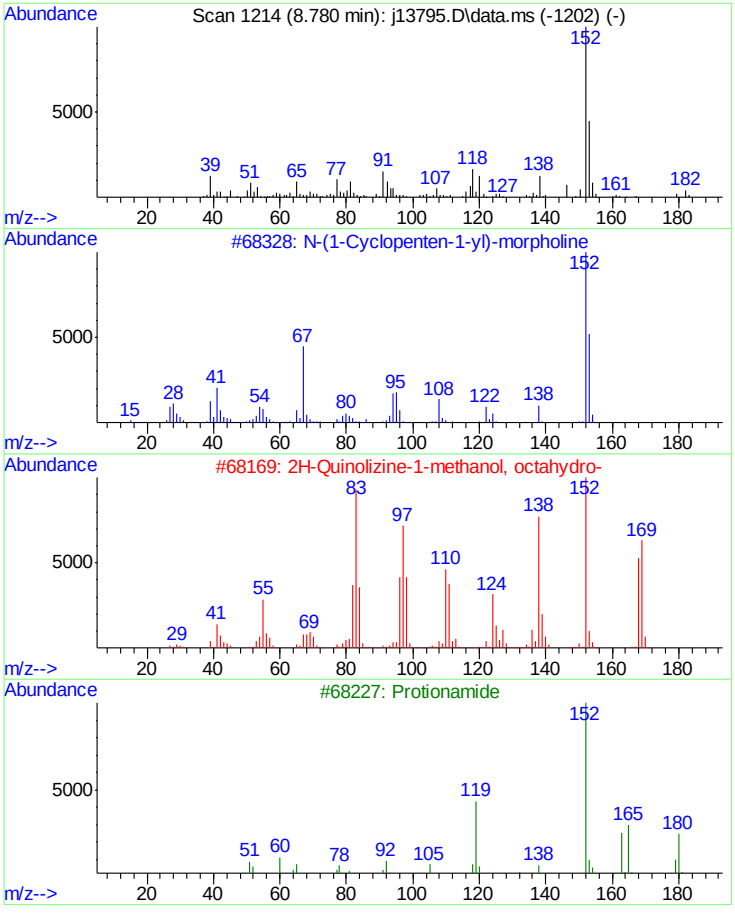
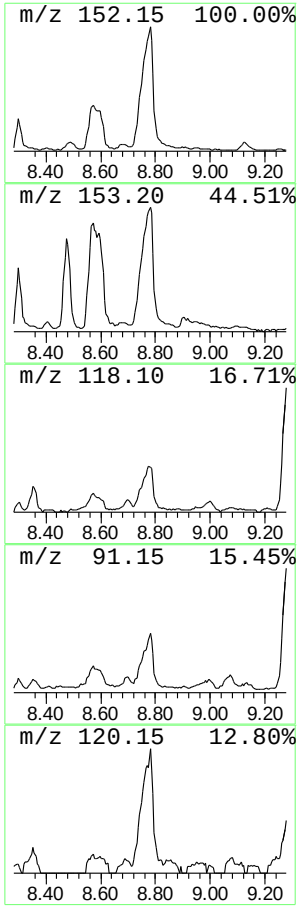
Peak Number 8 N-(1-Cyclopenten-1-yl)-morp... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.780	8.59 ug/ml	1057120	Acenaphthene-d10	8.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-(1-Cyclopenten-1-yl)-morpholine	153	C9H15NO	000936-52-7	59
2	2H-Quinolizine-1-methanol, octah...	169	C10H19NO	010159-79-2	43
3	Protionamide	180	C9H12N2S	014222-60-7	36
4	Acenaphthylene	152	C12H8	000208-96-8	32
5	Quinolizidine, 2-methyl-6-hexa-3...	233	C16H27N	1000116-02-2	25





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Misc      : op13230,Ej633,1000,,,1,1,water
ALS Vial  : 13   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
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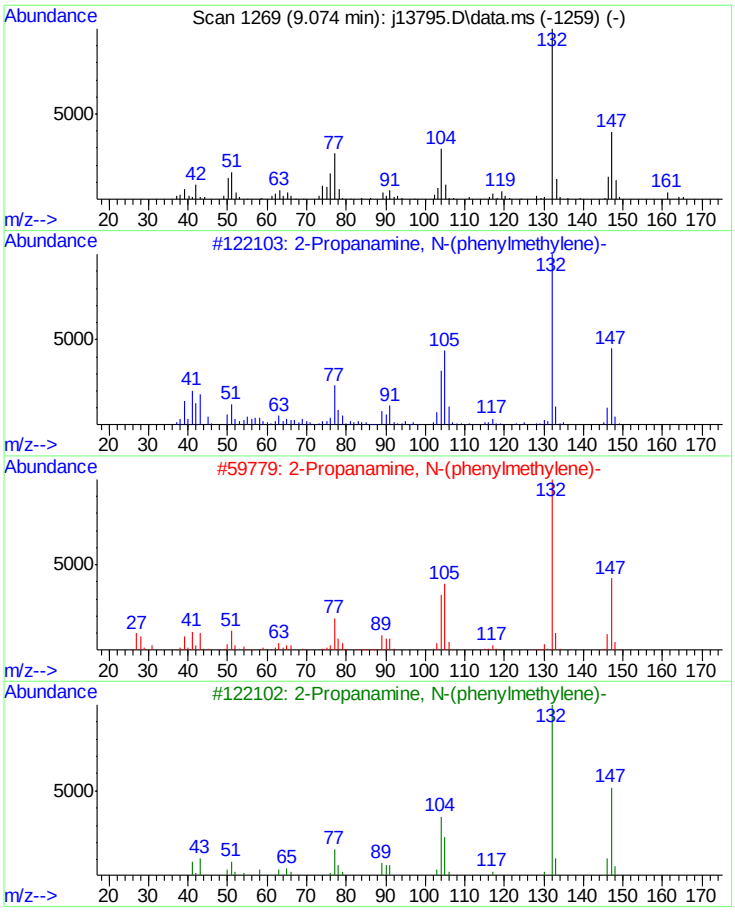
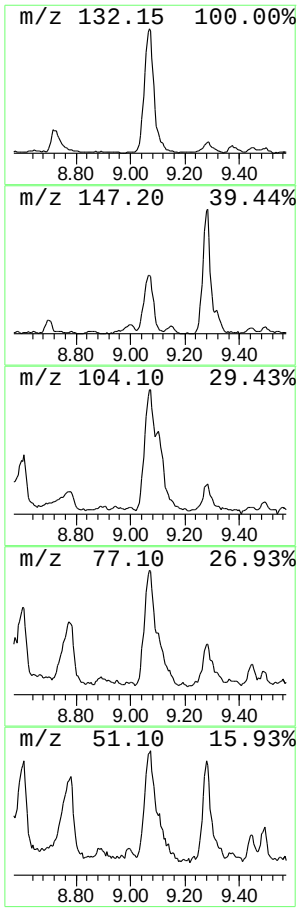
Peak Number 9 2-Propanamine, N-(phenylmet... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.074	6.50 ug/ml	799922	Acenaphthene-d10	8.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanamine, N-(phenylmethylene)-	147	C10H13N	006852-56-8	86
2	2-Propanamine, N-(phenylmethylene)-	147	C10H13N	006852-56-8	72
3	2-Propanamine, N-(phenylmethylene)-	147	C10H13N	006852-56-8	72
4	(+)-.alpha.-Phenethyl isocyanate	147	C9H9NO	033375-06-3	64
5	Benzene, (1-isocyanatoethyl)-, (S)-	147	C9H9NO	014649-03-7	59





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
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Acq On : 13 Oct 2009 4:23 pm
Operator : sheilac
Sample : t39513-1
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 13 Sample Multiplier: 1

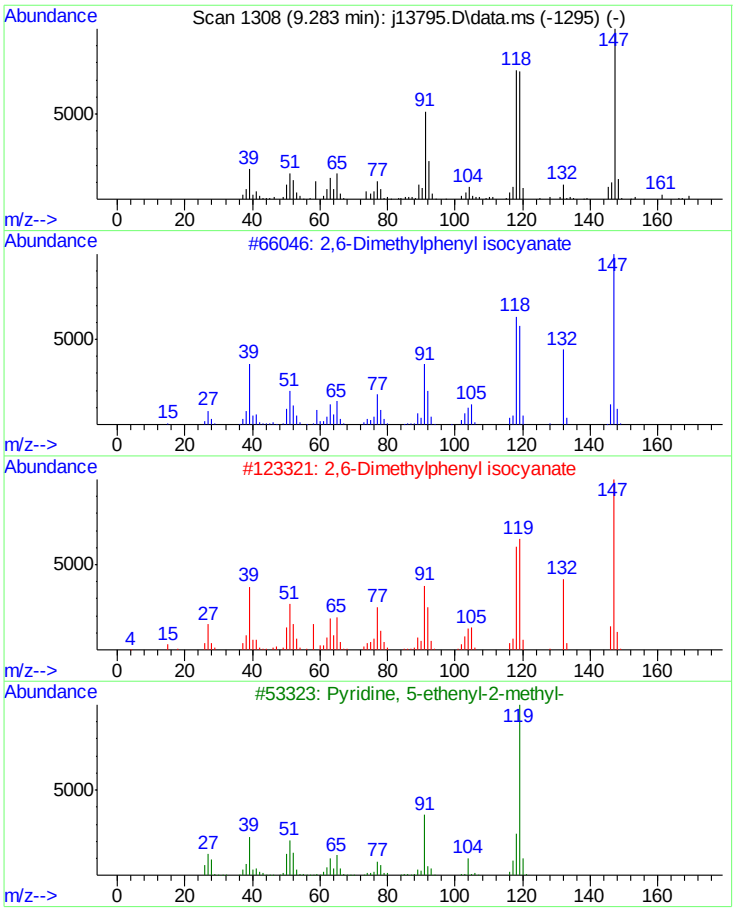
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

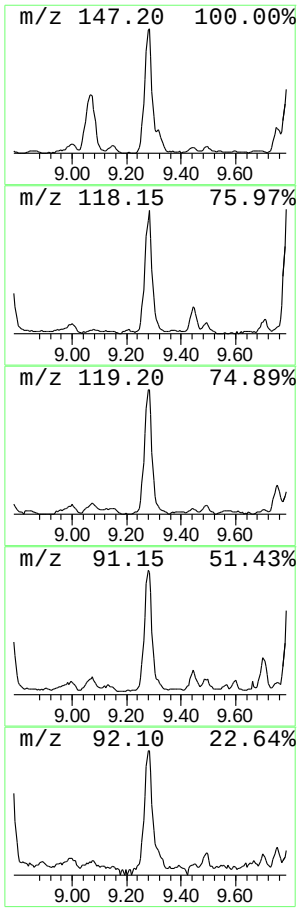
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 2,6-Dimethylphenyl isocyanate Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.283	7.00 ug/ml	860737	Acenaphthene-d10	8.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-Dimethylphenyl isocyanate	147	C9H9NO	028556-81-2	91
2	2,6-Dimethylphenyl isocyanate	147	C9H9NO	028556-81-2	87
3	Pyridine, 5-ethenyl-2-methyl-	119	C8H9N	000140-76-1	74
4	1H-Indole-2,3-dione	147	C8H5NO2	000091-56-5	60
5	2-Naphthalenamine, 5,6,7,8-tetra...	147	C10H13N	002217-43-8	58





Library Search Compound Report

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Sample : t39513-1
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 13 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

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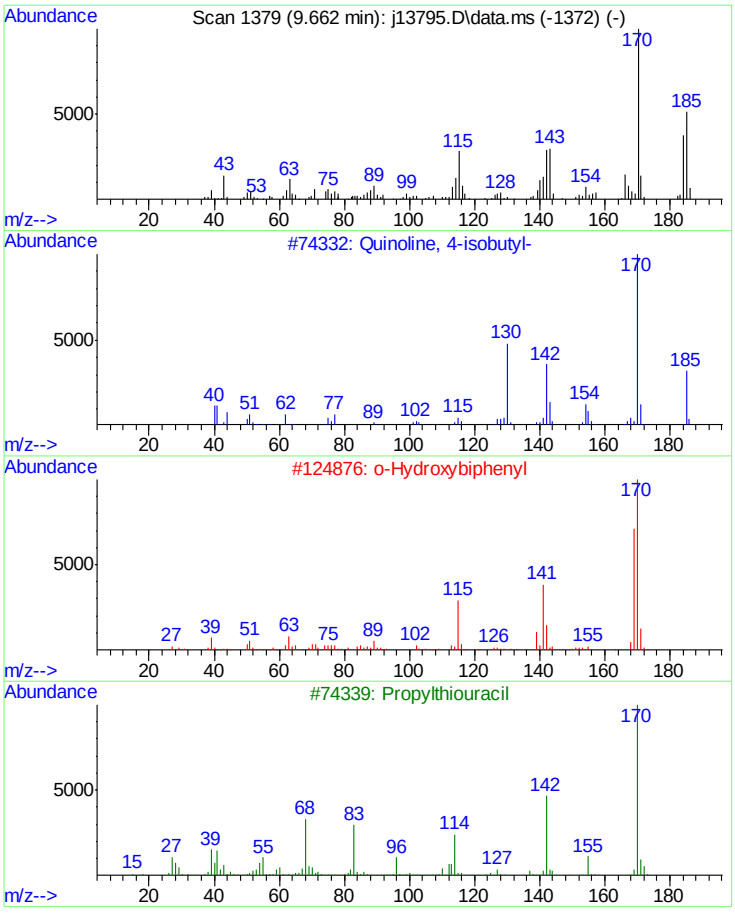
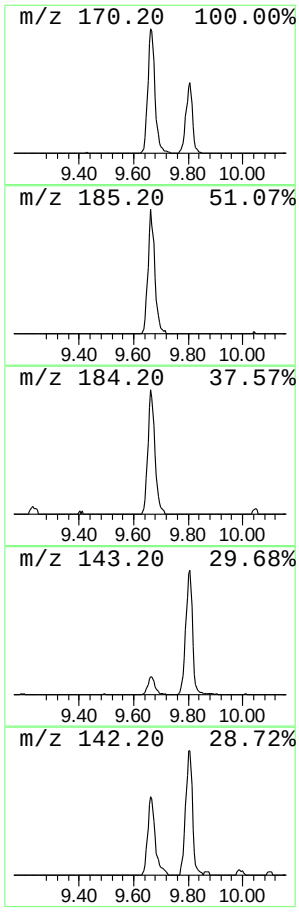
Peak Number 11 Quinoline, 4-isobutyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.662	4.41 ug/ml	542110	Acenaphthene-d10	8.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline, 4-isobutyl-	185	C13H15N	007661-51-0	53
2	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	46
3	Propylthiouracil	170	C7H10N2OS	000051-52-5	43
4	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	38
5	4-Methyl-5-phenylpyrimidine	170	C11H10N2	057562-58-0	35





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ALS Vial  : 13   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
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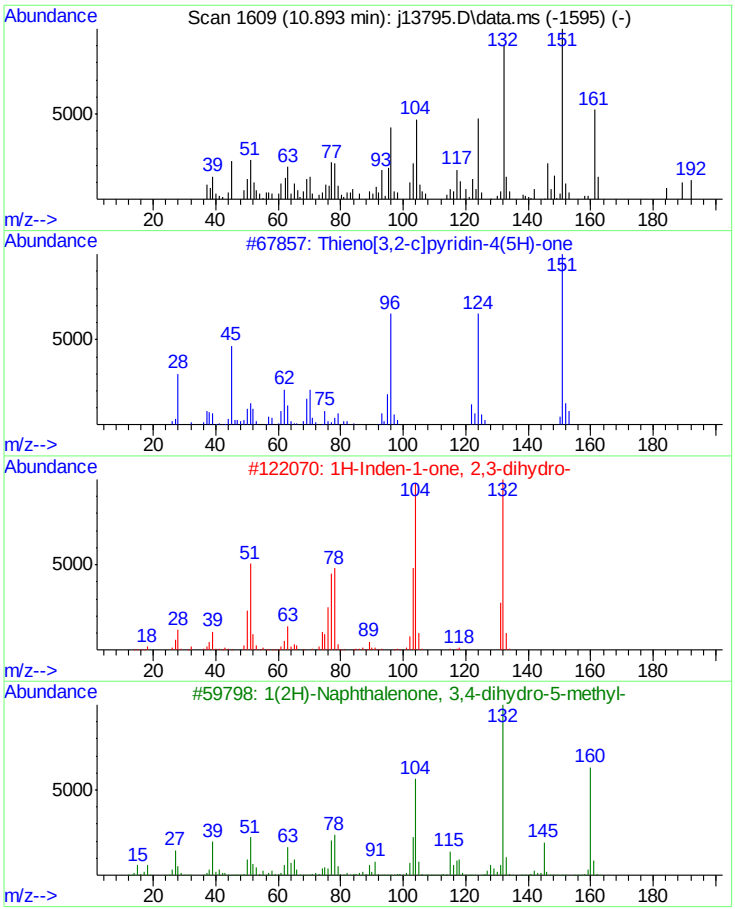
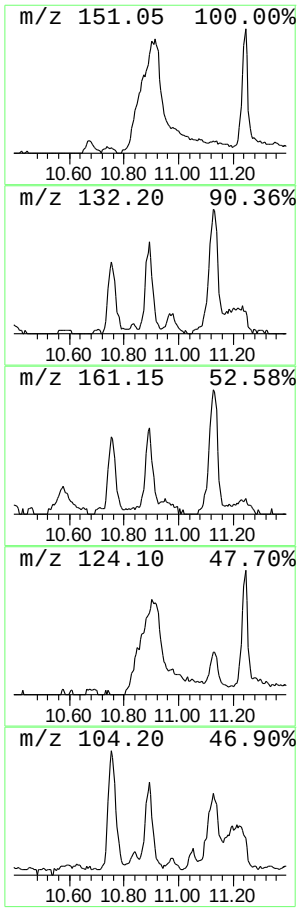
Peak Number 12 Thieno[3,2-c]pyridin-4(5H)-one Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.893	5.94 ug/ml	783802	Phenanthrene-d10	11.133

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thieno[3,2-c]pyridin-4(5H)-one	151	C7H5NOS	027685-92-3	46
2	1H-Inden-1-one, 2,3-dihydro-	132	C9H8O	000083-33-0	38
3	1(2H)-Naphthalenone, 3,4-dihydro...	160	C11H12O	006939-35-1	22
4	1H-Inden-1-one, 2,3-dihydro-	132	C9H8O	000083-33-0	22
5	1H-Indole, 4-chloro-	151	C8H6ClN	025235-85-2	18





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ALS Vial  : 13   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
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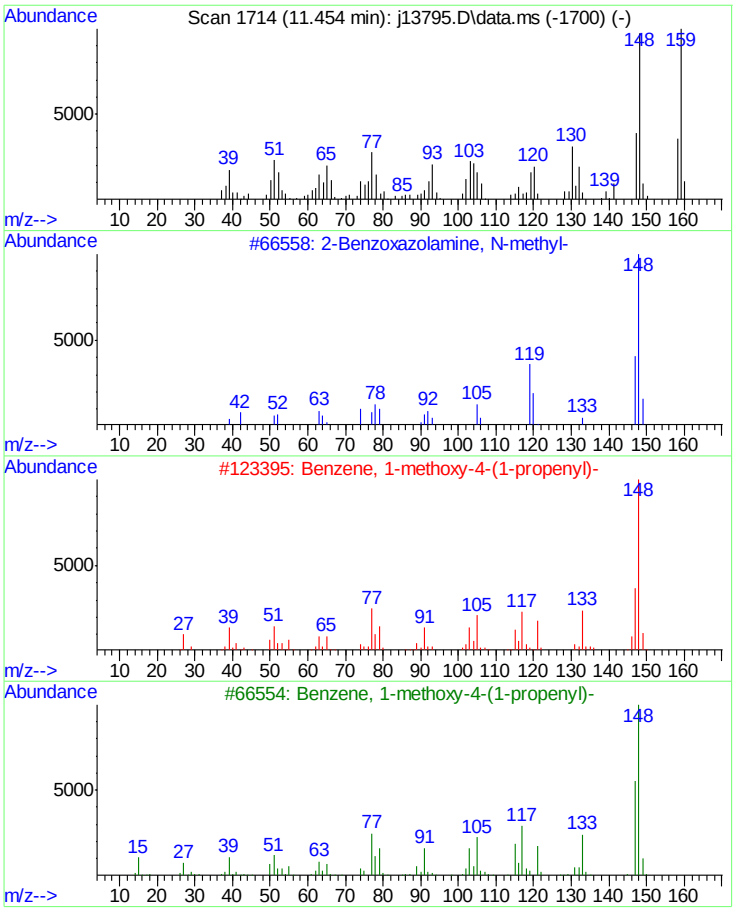
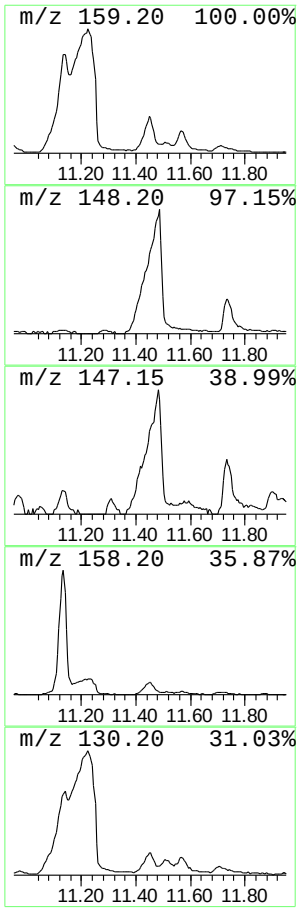
****

Peak Number 13 2-Benzoxazolamine, N-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.454	4.86 ug/ml	641977	Phenanthrene-d10	11.133

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Benzoxazolamine, N-methyl-	148	C8H8N2O	019776-98-8	42
2	Benzene, 1-methoxy-4-(1-propenyl)-	148	C10H12O	000104-46-1	38
3	Benzene, 1-methoxy-4-(1-propenyl)-	148	C10H12O	000104-46-1	35
4	1H-Inden-2-amine, N,N-dimethyl-	159	C11H13N	035336-08-4	30
5	Benzene, 1-methoxy-4-(1-propenyl)-	148	C10H12O	000104-46-1	27





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13795.D
Acq On : 13 Oct 2009 4:23 pm
Operator : sheilac
Sample : t39513-1
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 13 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

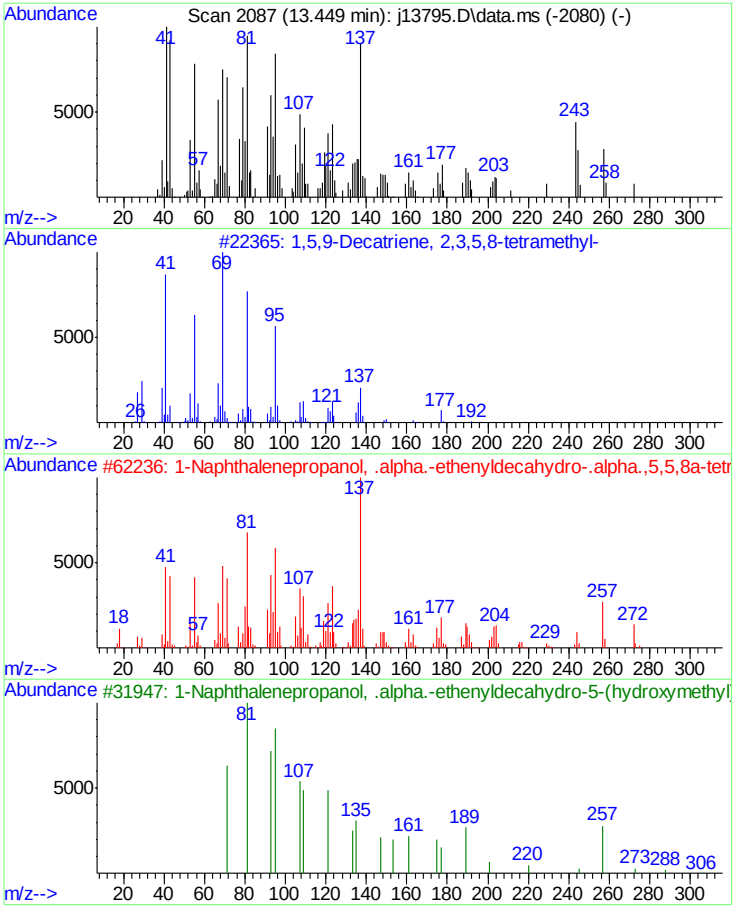
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

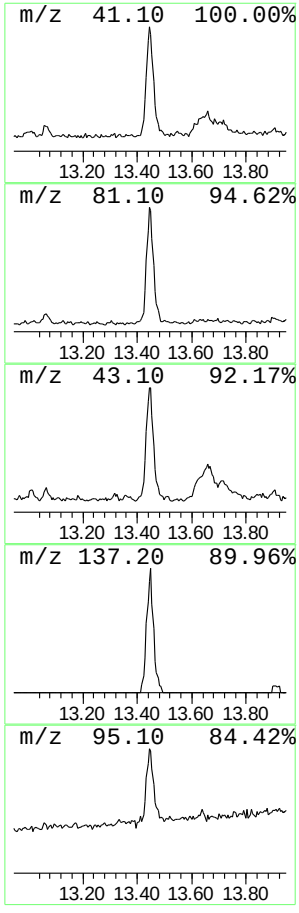
****

Peak Number 14 1,5,9-Decatriene, 2,3,5,8-t... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.449	4.11 ug/ml	542437	Phenanthrene-d10	11.133

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,5,9-Decatriene, 2,3,5,8-tetram...	192	C14H24	1000149-59-0	58
2	1-Naphthalenepropanol, .alpha.-e...	290	C20H34O	001438-62-6	55
3	1-Naphthalenepropanol, .alpha.-e...	306	C20H34O2	003650-30-4	53
4	Acetic acid, 3-(5,5-dimethyl-spi...	250	C16H26O2	077143-33-0	43
5	Acetic acid, 1-methyl-3-(1,3,3-t...	250	C16H26O2	1000192-22-3	38





Library Search Compound Report

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Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13795.D
Acq On    : 13 Oct 2009   4:23 pm
Operator  : sheilac
Sample    : t39513-1
Misc      : op13230,Ej633,1000,,,1,1,water
ALS Vial  : 13   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

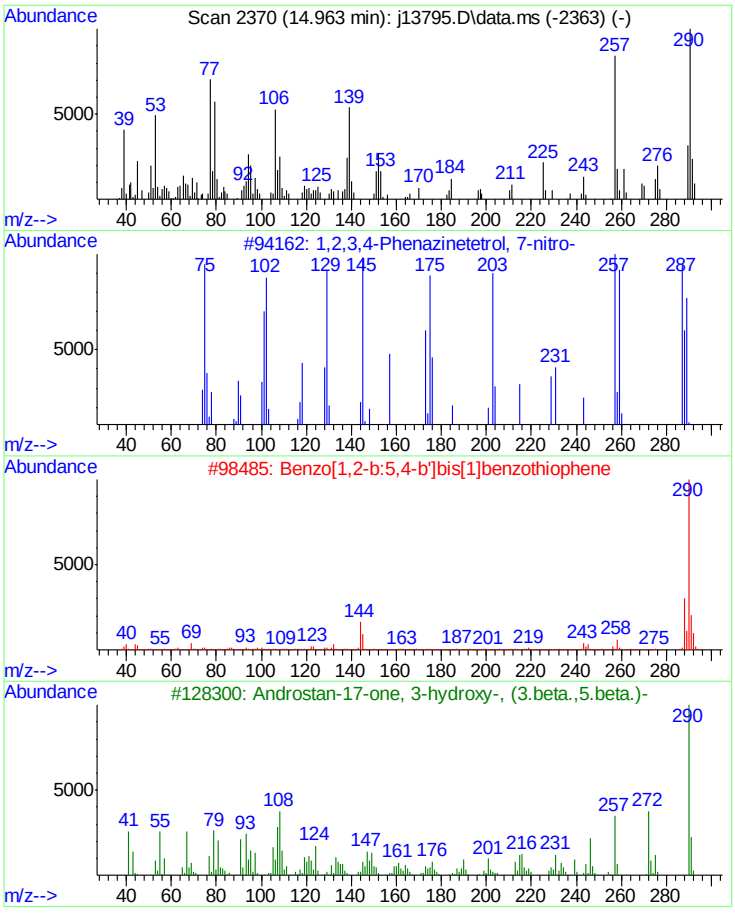
TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
```

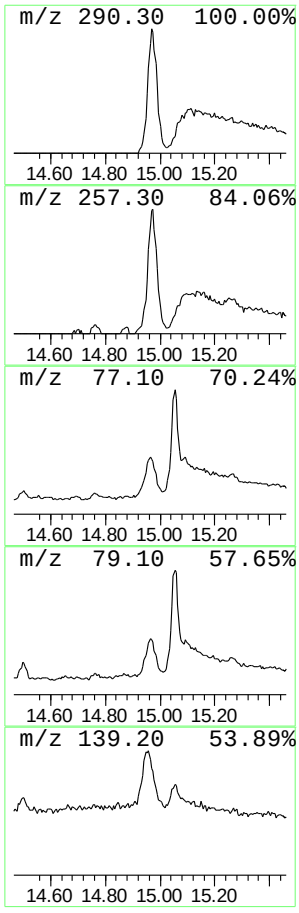
****

Peak Number 15 1,2,3,4-Phenazinetetrol, 7-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.963	7.14 ug/ml	616863	Chrysene-d12	16.653

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,3,4-Phenazinetetrol, 7-nitro-	289	C12H7N3O6	023774-12-1	18
2	Benzo[1,2-b:5,4-b']bis[1]benzoth...	290	C18H10S2	000241-37-2	10
3	Androstan-17-one, 3-hydroxy-, (3...	290	C19H30O2	000571-31-3	10
4	Benzo[2,1-b:3,4-b']bis[1]benzoth...	290	C18H10S2	000222-24-2	10
5	4,5-Pentamethylenethieno(2,3-d)-...	290	C15H18N2S2	1000148-63-3	10





Library Search Compound Report

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Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13795.D
Acq On    : 13 Oct 2009   4:23 pm
Operator  : sheilac
Sample    : t39513-1
Misc      : op13230,Ej633,1000,,,1,1,water
ALS Vial  : 13   Sample Multiplier: 1

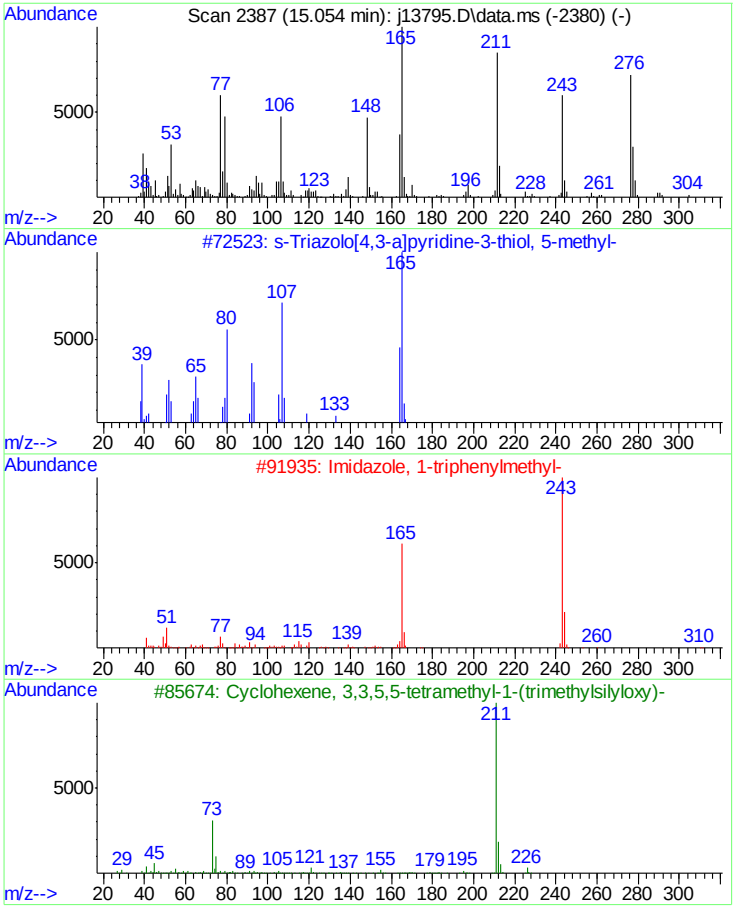
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

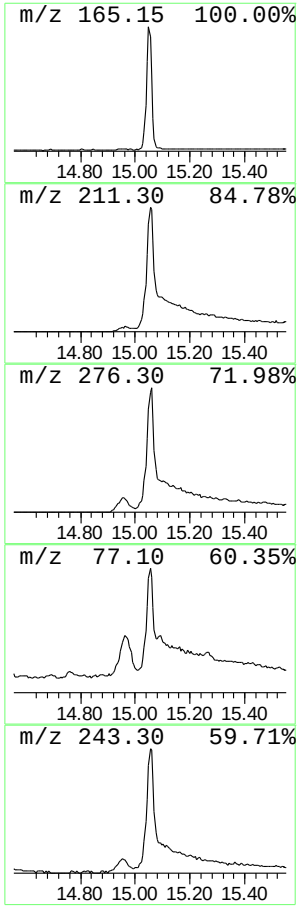
TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

**********************************************************************
Peak Number 16  s-Triazolo[4,3-a]pyridine-3...  Concentration Rank  6
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.054	14.53 ug/ml	1254770	Chrysene-d12	16.653

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	s-Triazolo[4,3-a]pyridine-3-thio...	165	C7H7N3S	004926-22-1	25
2	Imidazole, 1-triphenylmethyl-	310	C22H18N2	015469-97-3	12
3	Cyclohexene, 3,3,5,5-tetramethyl...	226	C13H26OSi	1000163-63-1	10
4	9-Ethylfluorene	194	C15H14	002294-82-8	10
5	3-(2,4-Dimethoxyphenyl)butan-2-one	208	C12H16O3	1000191-49-6	10





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13795.D
Acq On : 13 Oct 2009 4:23 pm
Operator : sheilac
Sample : t39513-1
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 13 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

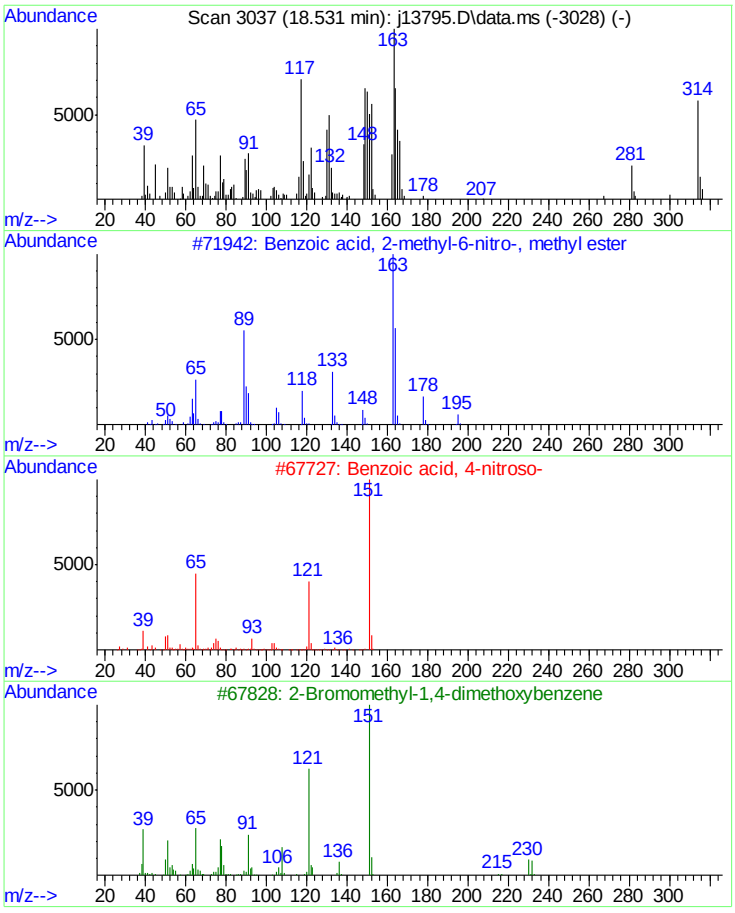
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

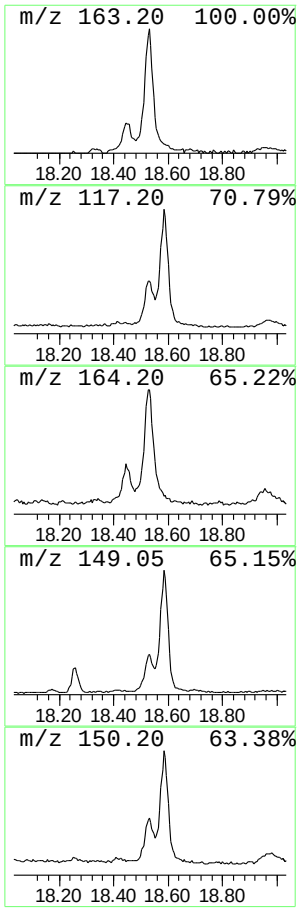
****

Peak Number 17 Benzoic acid, 2-methyl-6-ni... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.531	15.99 ug/ml	869447	Perylene-d12	19.461

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 2-methyl-6-nitro-,...	195	C9H9NO4	1000128-94-0	23
2	Benzoic acid, 4-nitroso-	151	C7H5NO3	000619-68-1	22
3	2-Bromomethyl-1,4-dimethoxybenzene	230	C9H11BrO2	060732-17-4	12
4	Benzoic acid, 2-nitroso-	151	C7H5NO3	000612-27-1	12
5	2,3-Dimethyl-para-anisaldehyde	164	C10H12O2	038998-17-3	11





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13795.D
Acq On : 13 Oct 2009 4:23 pm
Operator : sheilac
Sample : t39513-1
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 13 Sample Multiplier: 1

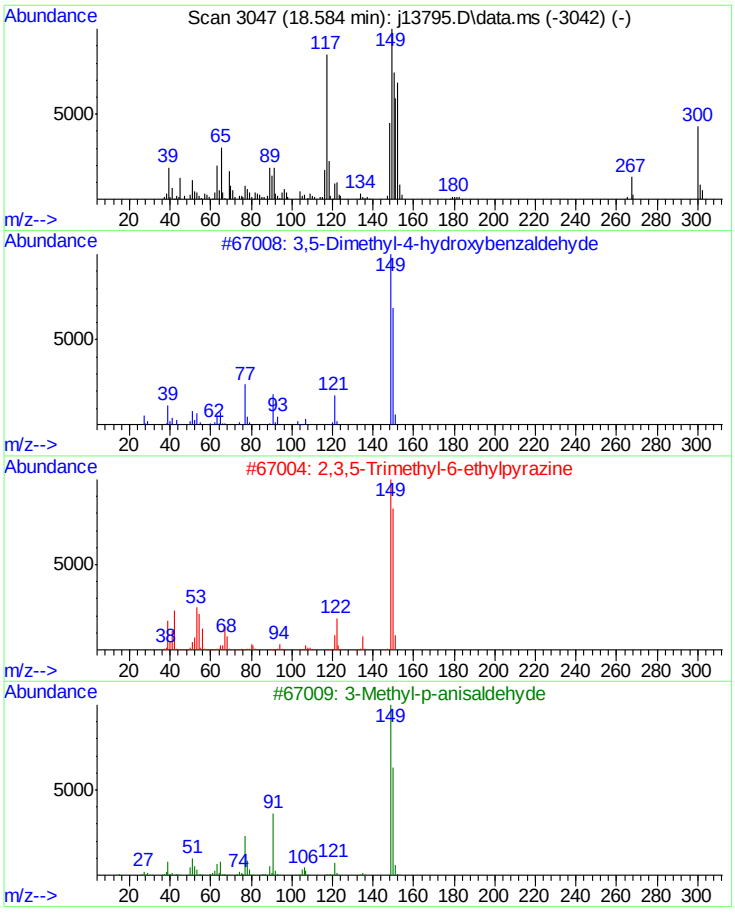
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

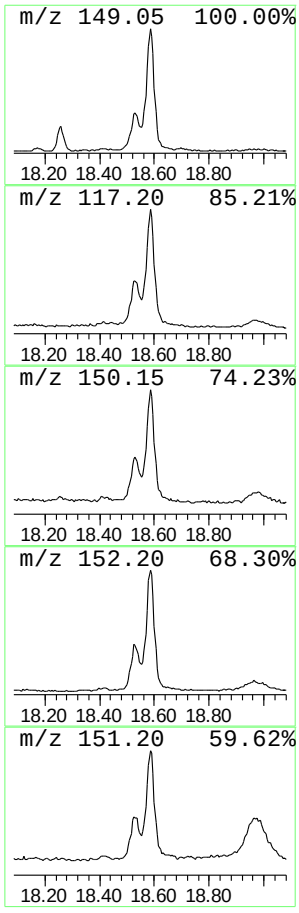
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 3,5-Dimethyl-4-hydroxybenza... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.584	20.20 ug/ml	1098300	Perylene-d12	19.461

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dimethyl-4-hydroxybenzaldehyde	150	C9H10O2	002233-18-3	25
2	2,3,5-Trimethyl-6-ethylpyrazine	150	C9H14N2	017398-16-2	22
3	3-Methyl-p-anisaldehyde	150	C9H10O2	032723-67-4	22
4	Benzene, 1-isothiocyanato-2-methyl-	149	C8H7NS	000614-69-7	22
5	Benzene, 1-isothiocyanato-4-methyl-	149	C8H7NS	000622-59-3	18





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13795.D
Acq On : 13 Oct 2009 4:23 pm
Operator : sheilac
Sample : t39513-1
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 13 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
Benzenethiol, 2...	5.576	5.2	ug/ml	601213	2	5.902	4610420	40.0
3,4-Dimethyl-1H...	5.977	23.9	ug/ml	2755010	2	5.902	4610420	40.0
2(1H)-Pyridinet...	6.411	4.9	ug/ml	562234	2	5.902	4610420	40.0
3-Aminobenzenet...	6.496	4.6	ug/ml	528714	2	5.902	4610420	40.0
2(1H)-Pyridinet...	7.127	31.2	ug/ml	3592460	2	5.902	4610420	40.0
DL-Gabaculine	8.004	50.0	ug/ml	6154600	3	8.357	4920170	40.0
2(1H)-Pyridinet...	8.603	4.9	ug/ml	603466	3	8.357	4920170	40.0
N-(1-Cyclopente...	8.780	8.6	ug/ml	1057120	3	8.357	4920170	40.0
2-Propanamine, ...	9.074	6.5	ug/ml	799922	3	8.357	4920170	40.0
2,6-Dimethylphe...	9.283	7.0	ug/ml	860737	3	8.357	4920170	40.0
Quinoline, 4-is...	9.662	4.4	ug/ml	542110	3	8.357	4920170	40.0
Thieno[3,2-c]py...	10.893	5.9	ug/ml	783802	4	11.133	5279100	40.0
2-Benzoxazolami...	11.454	4.9	ug/ml	641977	4	11.133	5279100	40.0
1,5,9-Decatrien...	13.449	4.1	ug/ml	542437	4	11.133	5279100	40.0
1,2,3,4-Phenazi...	14.963	7.1	ug/ml	616863	5	16.653	3454510	40.0
s-Triazolo[4,3-...	15.054	14.5	ug/ml	1254770	5	16.653	3454510	40.0
Benzoic acid, 2...	18.531	16.0	ug/ml	869447	6	19.461	2174520	40.0
3,5-Dimethyl-4-...	18.584	20.2	ug/ml	1098300	6	19.461	2174520	40.0

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/19/09 17:08

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13796.D
Acq On : 13 Oct 2009 4:53 pm
Operator : sheilac
Sample : t39513-2
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 14 11:00:19 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Tue Oct 13 13:17:41 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.699	152	587994	40.00	ug/ml	-0.03
20) Naphthalene-d8	5.903	136	2206476	40.00	ug/ml	-0.04
36) Acenaphthene-d10	8.358	164	1202868	40.00	ug/ml	-0.06
57) Phenanthrene-d10	11.134	188	1592062	40.00	ug/ml	-0.07
71) Chrysene-d12	16.643	240	994918	40.00	ug/ml	-0.09
80) Perylene-d12	19.451	264	674418	40.00	ug/ml	-0.07
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.699	112	769680	41.71	ug/ml	0.02
Spiked Amount 100.000	Range 10 - 66		Recovery = 41.71%			
5) Phenol-d5 (SURR)	4.480	99	734736	31.86	ug/ml	-0.02
Spiked Amount 100.000	Range 10 - 53		Recovery = 31.86%			
21) Nitrobenzene-d5 (SURR)	5.191	82	687738	29.72	ug/ml	-0.11
Spiked Amount 50.000	Range 29 - 115		Recovery = 59.44%			
40) 2-Fluorobiphenyl (SURR)	7.293	172	1266343	26.23	ug/ml	-0.25
Spiked Amount 50.000	Range 34 - 113		Recovery = 52.46%			
62) 2,4,6-Tribromophenol (...	9.796	330	390700	72.94	ug/ml	-0.17
Spiked Amount 100.000	Range 32 - 128		Recovery = 72.94%			
74) Terphenyl-d14	14.498	244	1032667	43.47	ug/ml	-0.10
Spiked Amount 50.000	Range 12 - 145		Recovery = 86.94%			
Target Compounds						Qvalue
30) Naphthalene	5.924	128	894540	14.89	ug/ml	100
34) 2-Methylnaphthalene	6.769	142	37476m	1.02	ug/ml	
35) 1-Methylnaphthalene	6.898	142	419300	10.90	ug/ml	98
47) Acenaphthene	8.422	154	3458559	103.34	ug/ml	100
50) Dibenzofuran	8.711	168	1303559	27.27	ug/ml	99
54) Fluorene	9.331	166	1208298	29.00	ug/ml	99
66) Phenanthrene	11.176	178	1429288	30.13	ug/ml	99
67) Anthracene	11.273	178	95453	2.09	ug/ml#	26
68) Carbazole	11.652	167	251115	6.83	ug/ml	98
70) Fluoranthene	13.621	202	452901	10.53	ug/ml	99
73) Pyrene	14.075	202	365206	10.42	ug/ml	96
76) Benzo(a)anthracene	16.627	228	33451	1.20	ug/ml#	52
78) Chrysene	16.696	228	30413	1.29	ug/ml#	50
79) bis(2-Ethylhexyl)phtha...	16.873	149	30491	1.45	ug/ml#	51

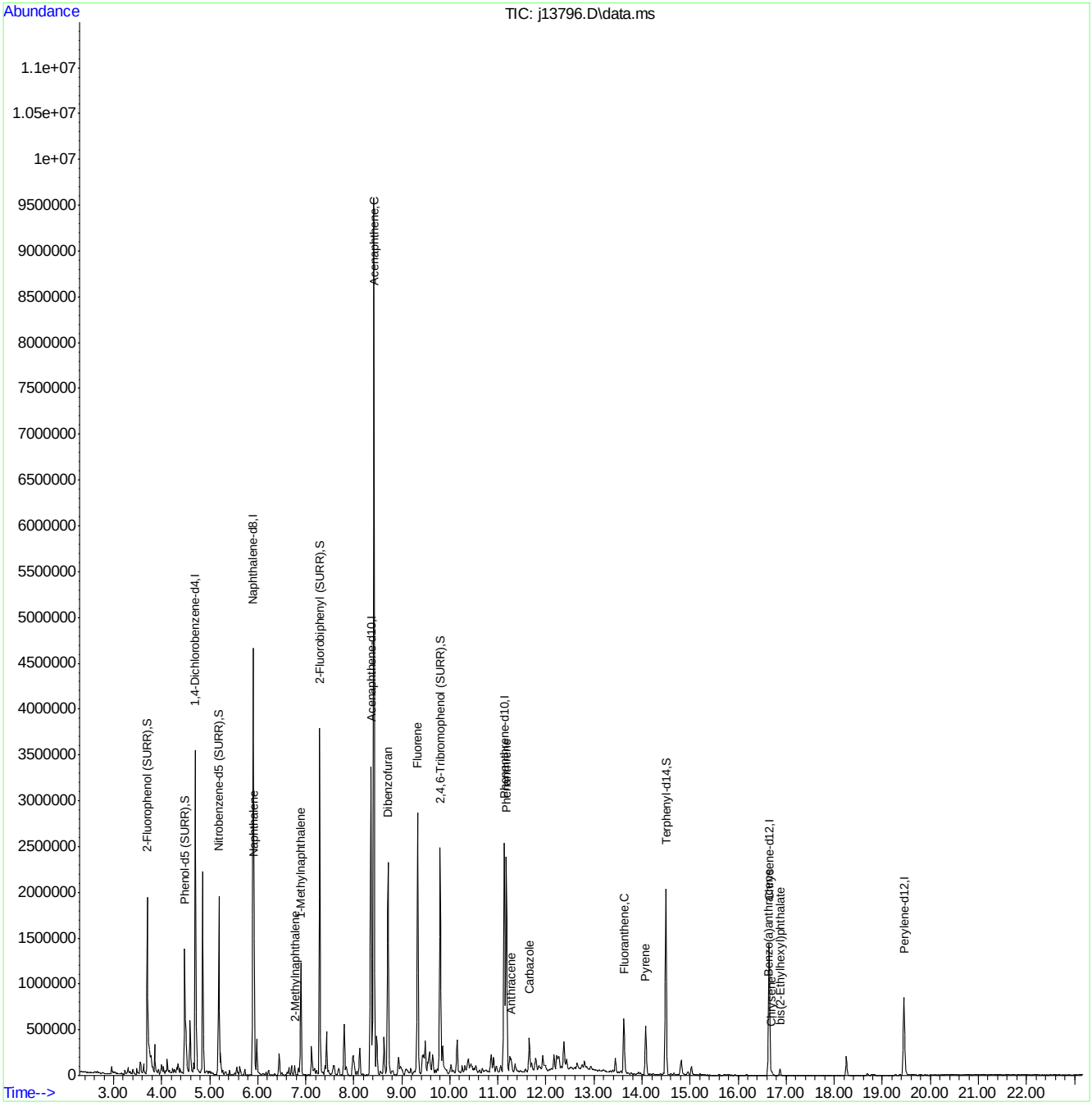
(#) = qualifier out of range (m) = manual integration (+) = signals summed

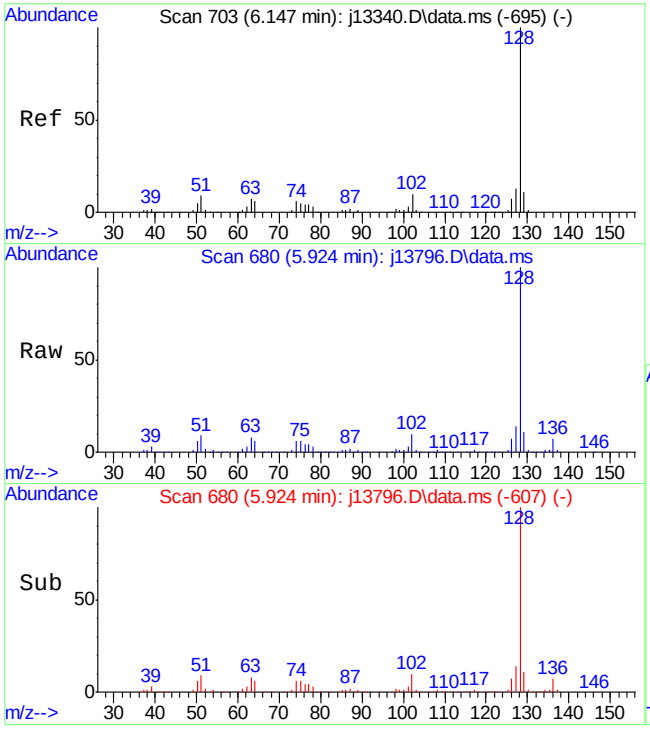
8.1.3
8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13796.D
Acq On : 13 Oct 2009 4:53 pm
Operator : sheilac
Sample : t39513-2
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 14 11:00:19 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Tue Oct 13 13:17:41 2009
Response via : Initial Calibration

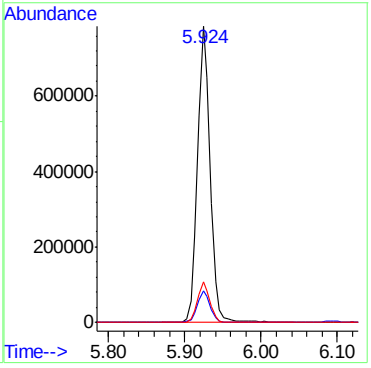


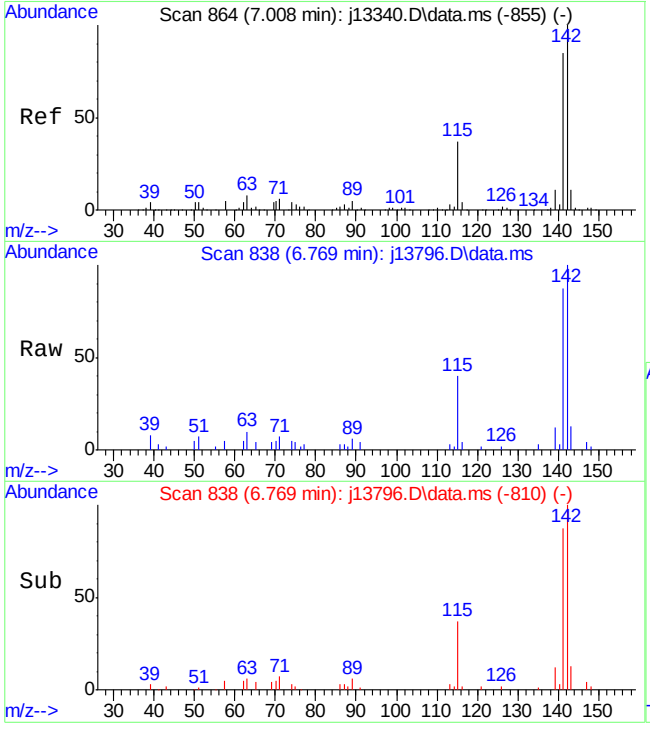


#30
Naphthalene
Concen: 14.89 ug/ml
RT: 5.924 min Scan# 680
Delta R.T. -0.110 min
Lab File: j13796.D
Acq: 13 Oct 2009 4:53 pm

Tgt Ion:128 Resp: 894540

Ion	Ratio	Lower	Upper
128	100		
129	11.1	0.0	30.9
127	13.4	0.0	33.4

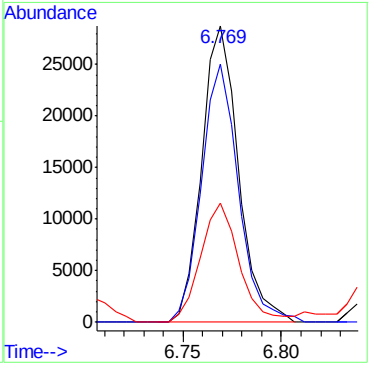


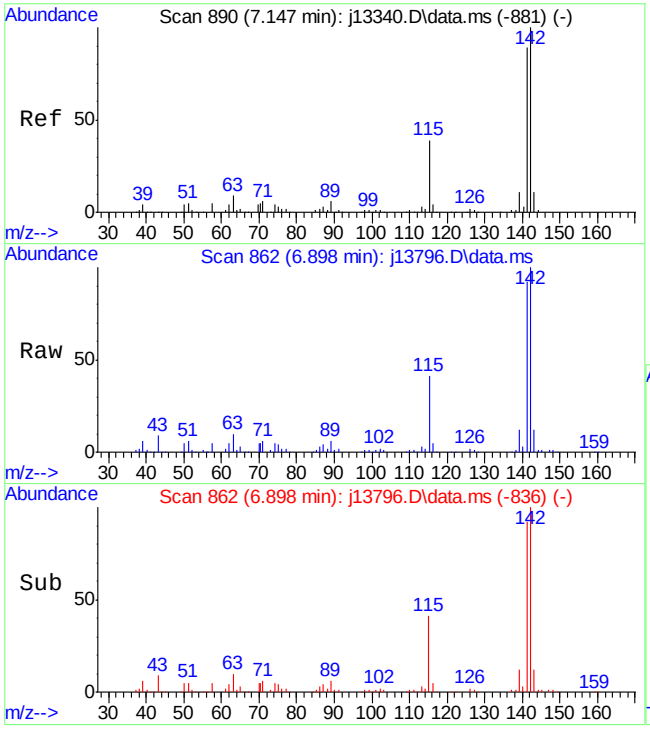


#34
2-Methylnaphthalene
Concen: 1.02 ug/ml m
RT: 6.769 min Scan# 838
Delta R.T. -0.048 min
Lab File: j13796.D
Acq: 13 Oct 2009 4:53 pm

Tgt Ion:142 Resp: 37476

Ion	Ratio	Lower	Upper
142	100		
141	1007.1	66.2	106.2#
115	460.2	17.8	57.8#

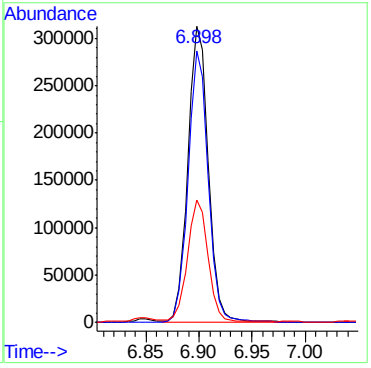


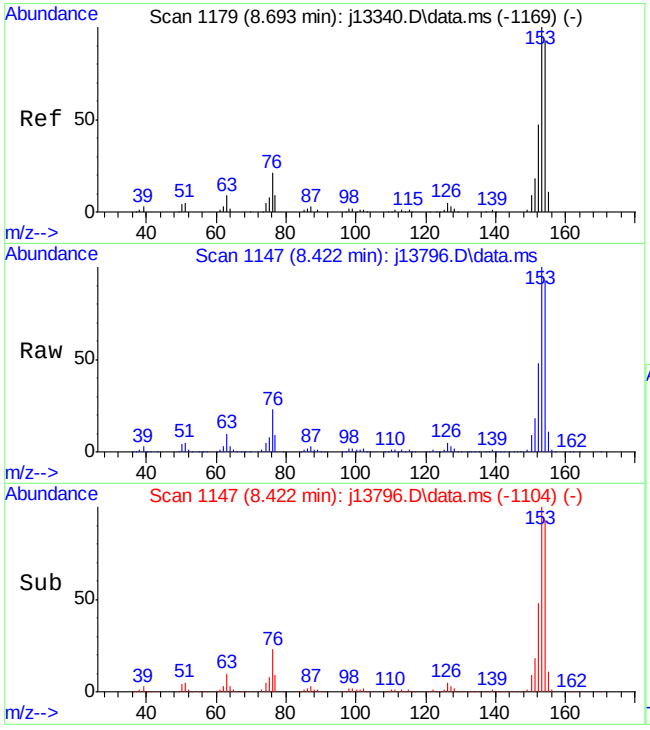


#35
1-Methylnaphthalene
Concen: 10.90 ug/ml
RT: 6.898 min Scan# 862
Delta R.T. -0.059 min
Lab File: j13796.D
Acq: 13 Oct 2009 4:53 pm

Tgt Ion:142 Resp: 419300

Ion	Ratio	Lower	Upper
142	100		
141	90.0	69.4	109.4
115	41.1	18.9	58.9

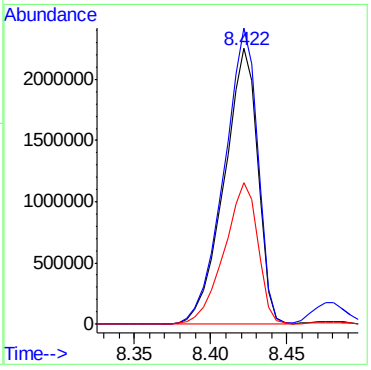


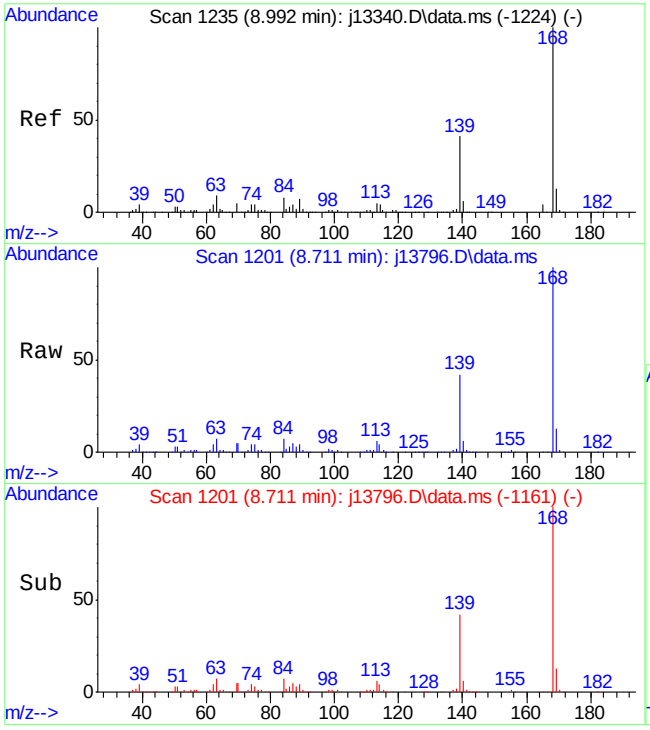


#47
Acenaphthene
Concen: 103.34 ug/ml
RT: 8.422 min Scan# 1147
Delta R.T. -0.271 min
Lab File: j13796.D
Acq: 13 Oct 2009 4:53 pm

Tgt Ion:154 Resp: 3458559

Ion	Ratio	Lower	Upper
154	100		
153	107.6	87.9	127.9
152	51.6	31.3	71.3

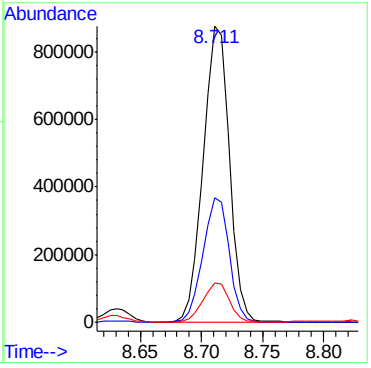


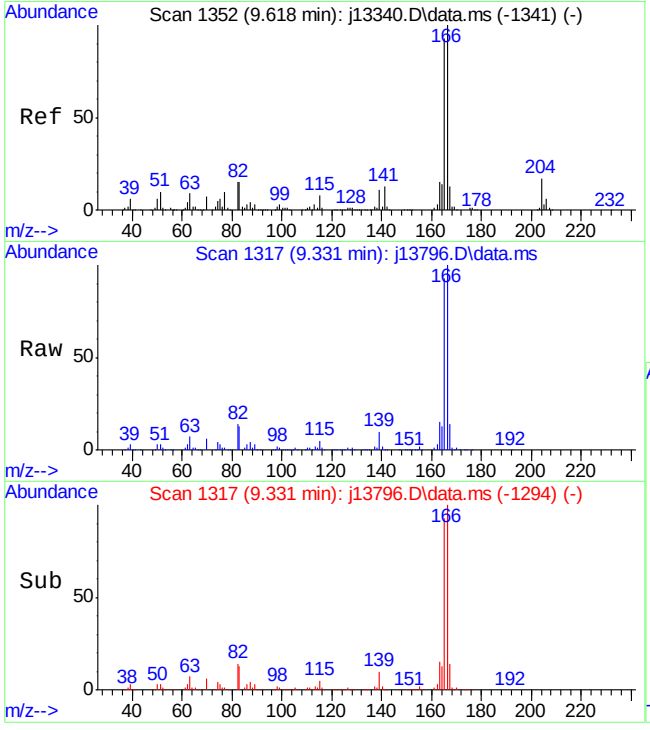


#50
Dibenzofuran
Concen: 27.27 ug/ml
RT: 8.711 min Scan# 1201
Delta R.T. -0.287 min
Lab File: j13796.D
Acq: 13 Oct 2009 4:53 pm

Tgt Ion:168 Resp: 1303559

Ion	Ratio	Lower	Upper
168	100		
139	42.2	21.2	61.2
169	13.2	0.0	33.2

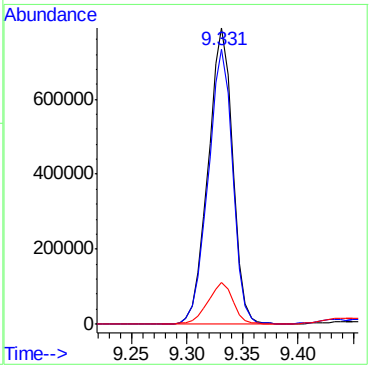


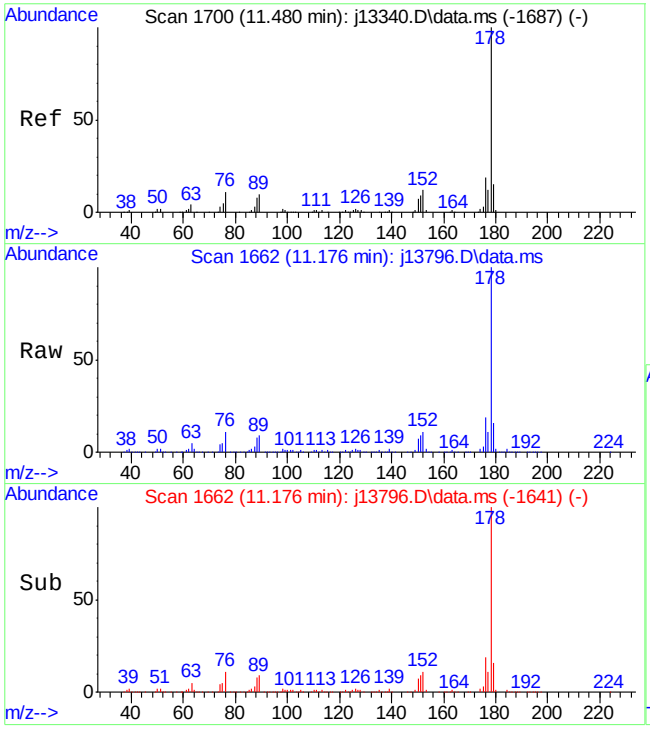


#54
Fluorene
Concen: 29.00 ug/ml
RT: 9.331 min Scan# 1317
Delta R.T. -0.075 min
Lab File: j13796.D
Acq: 13 Oct 2009 4:53 pm

Tgt Ion:166 Resp: 1208298

Ion	Ratio	Lower	Upper
166	100		
165	92.8	73.8	113.8
167	14.5	0.0	33.3

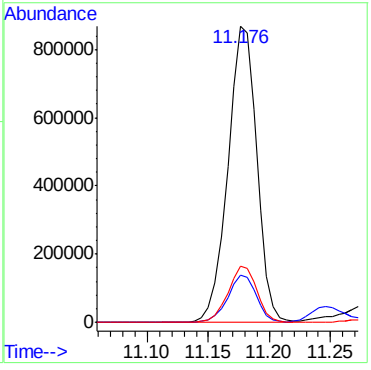


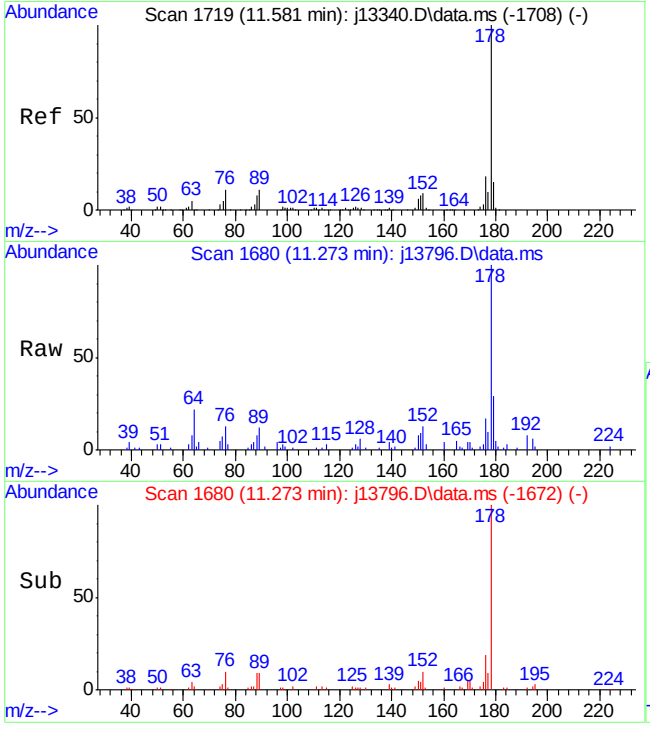


#66
Phenanthrene
Concen: 30.13 ug/ml
RT: 11.176 min Scan# 1662
Delta R.T. -0.085 min
Lab File: j13796.D
Acq: 13 Oct 2009 4:53 pm

Tgt Ion:178 Resp: 1429288

Ion	Ratio	Lower	Upper
178	100		
179	15.9	0.0	35.2
176	18.8	0.0	39.2

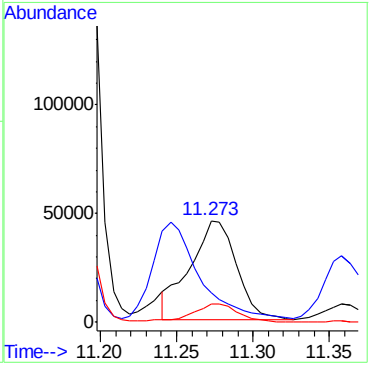


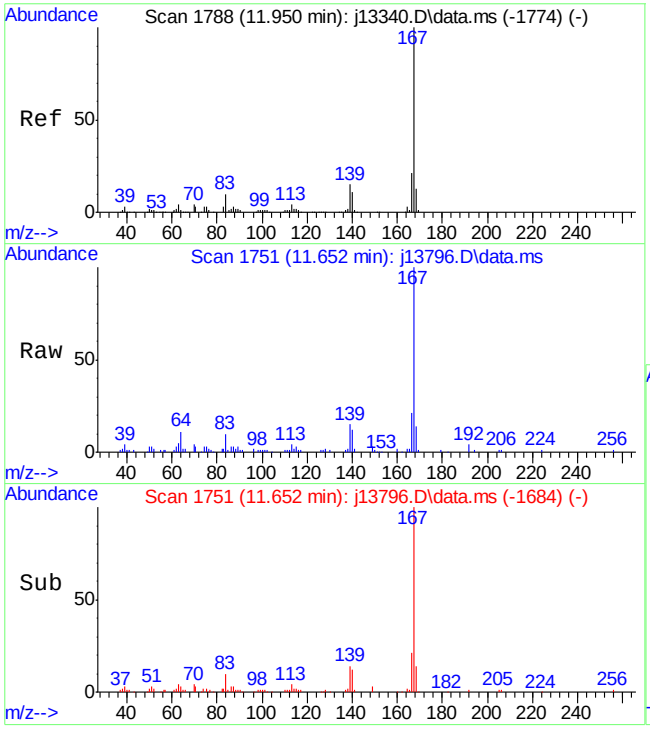


#67
Anthracene
Concen: 2.09 ug/ml
RT: 11.273 min Scan# 1680
Delta R.T. -0.156 min
Lab File: j13796.D
Acq: 13 Oct 2009 4:53 pm

Tgt Ion:178 Resp: 95453

Ion	Ratio	Lower	Upper
178	100		
179	62.3	0.0	35.1#
176	0.0	0.0	38.3

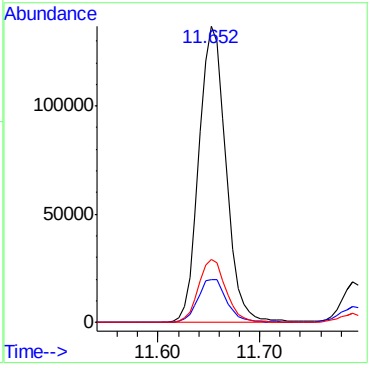


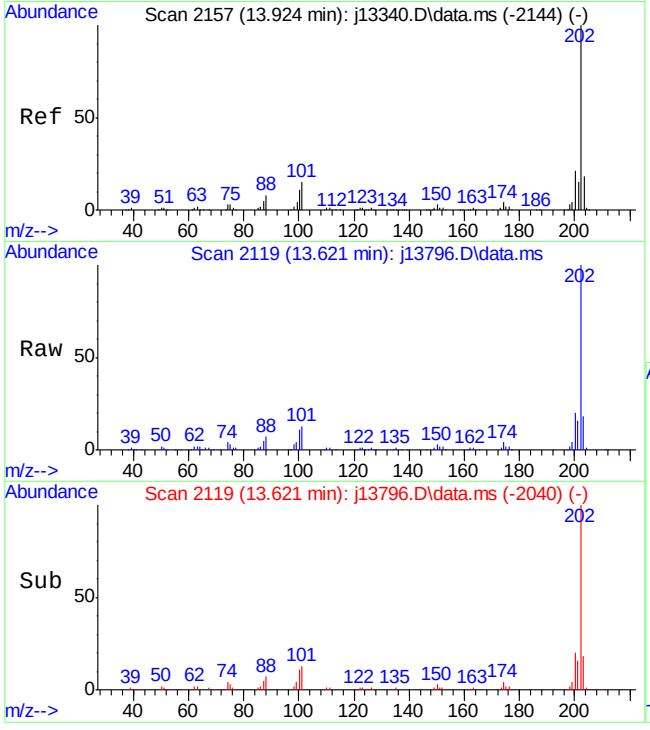


#68
Carbazole
Concen: 6.83 ug/ml
RT: 11.652 min Scan# 1751
Delta R.T. -0.141 min
Lab File: j13796.D
Acq: 13 Oct 2009 4:53 pm

Tgt Ion:167 Resp: 251115

Ion	Ratio	Lower	Upper
167	100		
139	15.3	0.0	34.1
166	21.4	0.9	40.9

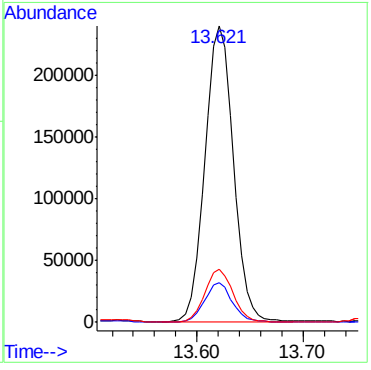


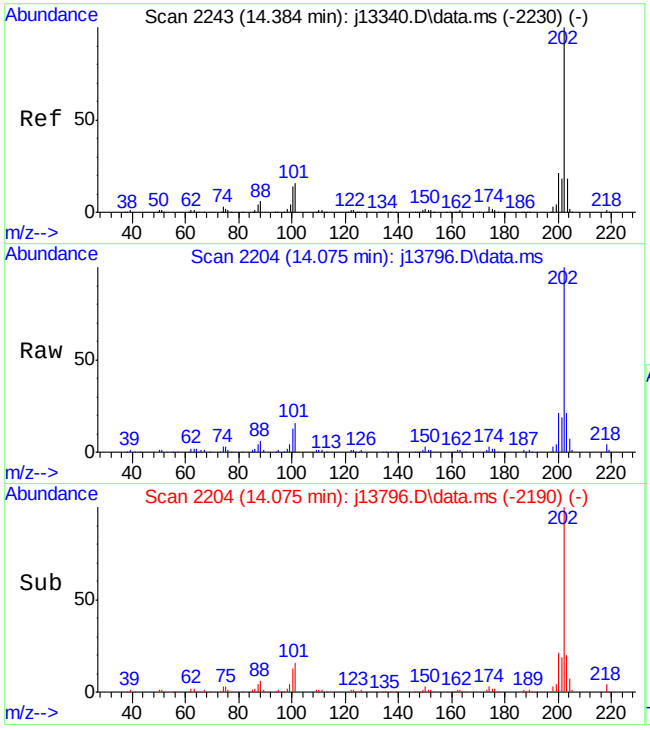


#70
Fluoranthene
Concen: 10.53 ug/ml
RT: 13.621 min Scan# 2119
Delta R.T. -0.080 min
Lab File: j13796.D
Acq: 13 Oct 2009 4:53 pm

Tgt Ion:202 Resp: 452901

Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	33.9
203	17.5	0.0	37.3

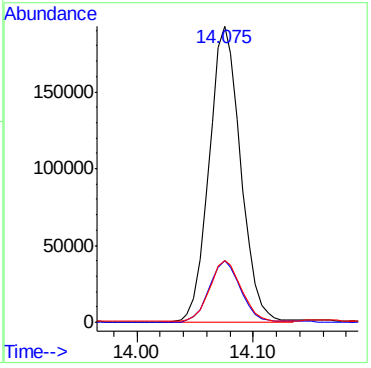


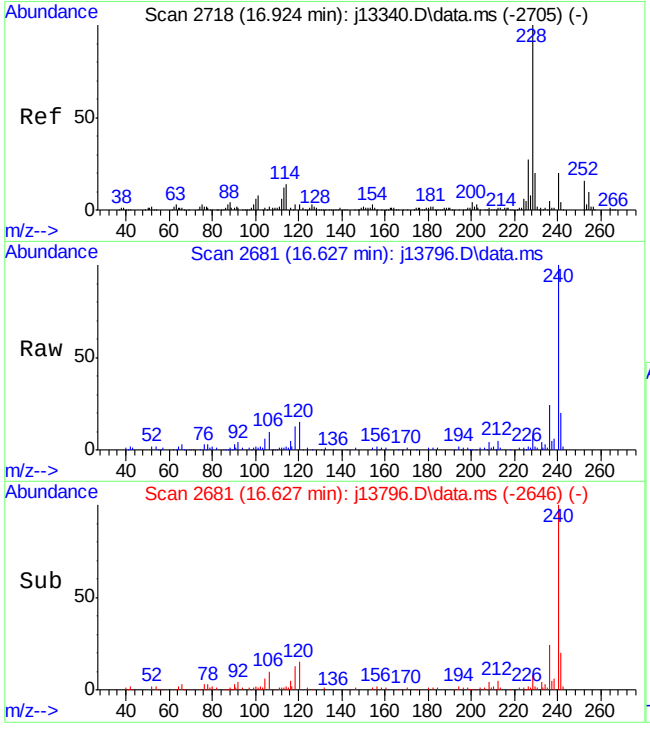


#73
Pyrene
Concen: 10.42 ug/ml
RT: 14.075 min Scan# 2204
Delta R.T. -0.125 min
Lab File: j13796.D
Acq: 13 Oct 2009 4:53 pm

Tgt Ion:202 Resp: 365206

Ion	Ratio	Lower	Upper
202	100		
200	21.2	0.5	40.5
203	20.5	0.0	37.8

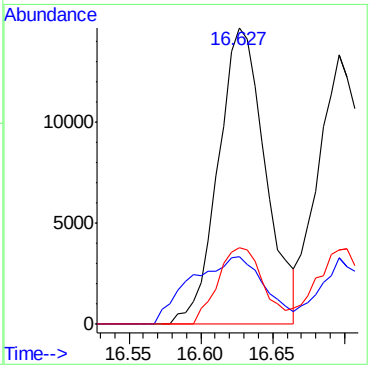


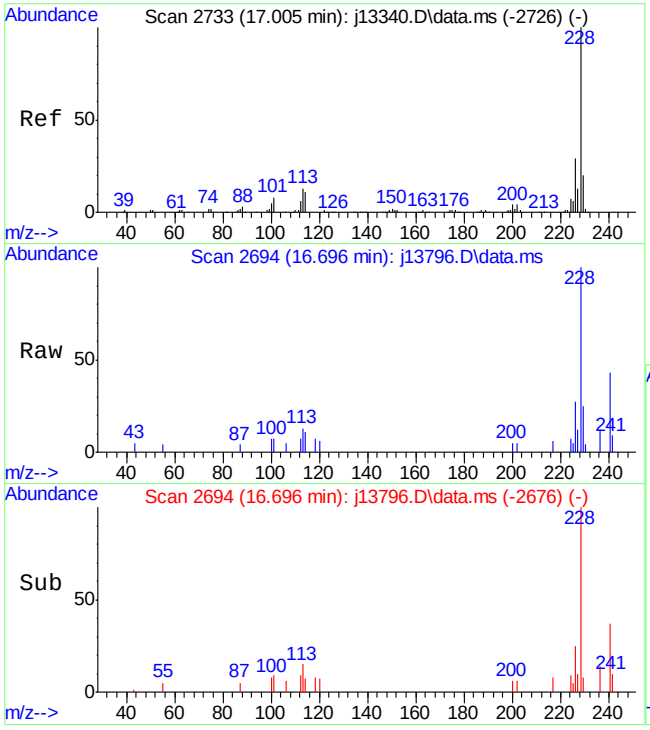


#76
Benzo(a)anthracene
Concen: 1.20 ug/ml
RT: 16.627 min Scan# 2681
Delta R.T. -0.011 min
Lab File: j13796.D
Acq: 13 Oct 2009 4:53 pm

Tgt Ion:228 Resp: 33451

Ion	Ratio	Lower	Upper
228	100		
229	0.0	0.4	40.4#
226	0.0	5.9	45.9#

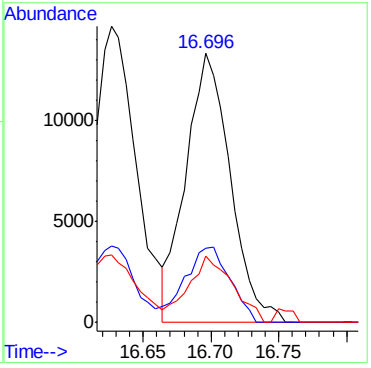


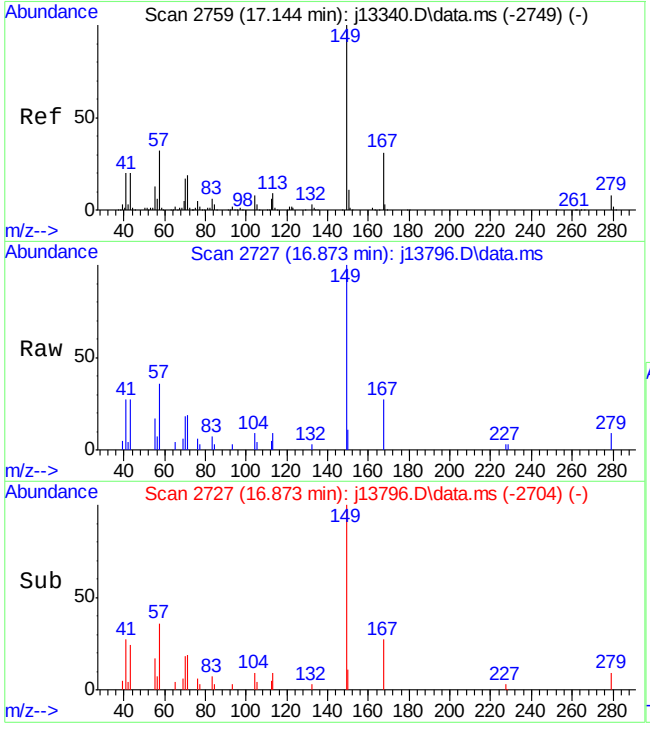


#78
Chrysene
Concen: 1.29 ug/ml
RT: 16.696 min Scan# 2694
Delta R.T. -0.101 min
Lab File: j13796.D
Acq: 13 Oct 2009 4:53 pm

Tgt Ion:228 Resp: 30413

Ion	Ratio	Lower	Upper
228	100		
226	0.0	8.9	48.9#
229	0.0	0.0	39.3

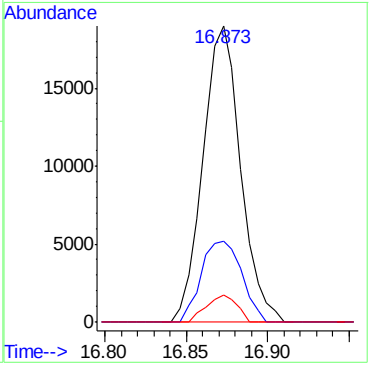




#79
bis(2-Ethylhexyl)phthalate
Concen: 1.45 ug/ml
RT: 16.873 min Scan# 2727
Delta R.T. -0.075 min
Lab File: j13796.D
Acq: 13 Oct 2009 4:53 pm

Tgt Ion:149 Resp: 30491

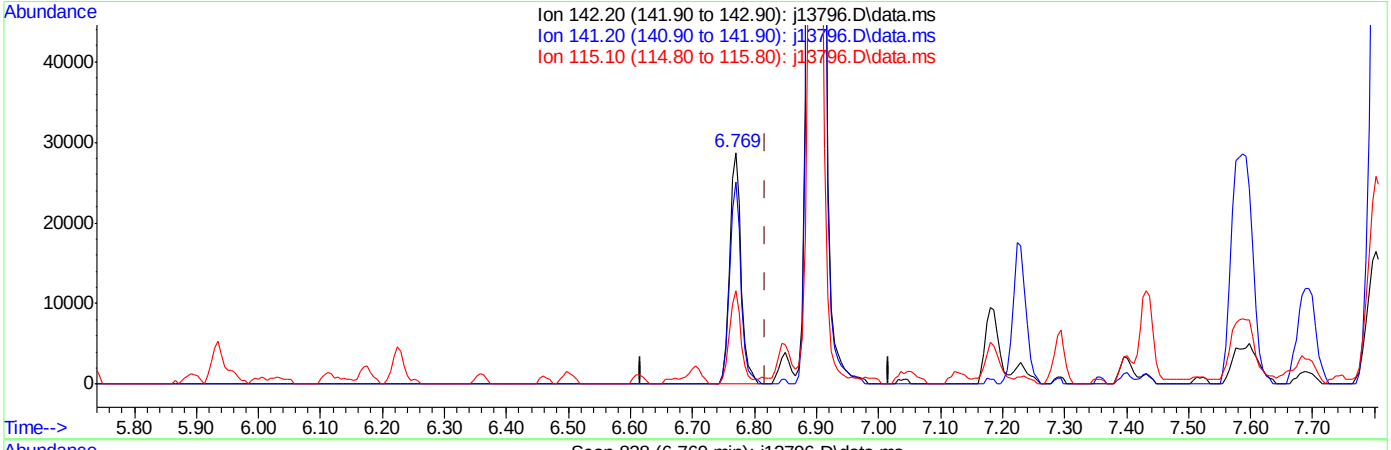
Ion	Ratio	Lower	Upper
149	100		
167	0.0	11.1	51.1#
279	0.0	0.0	28.6

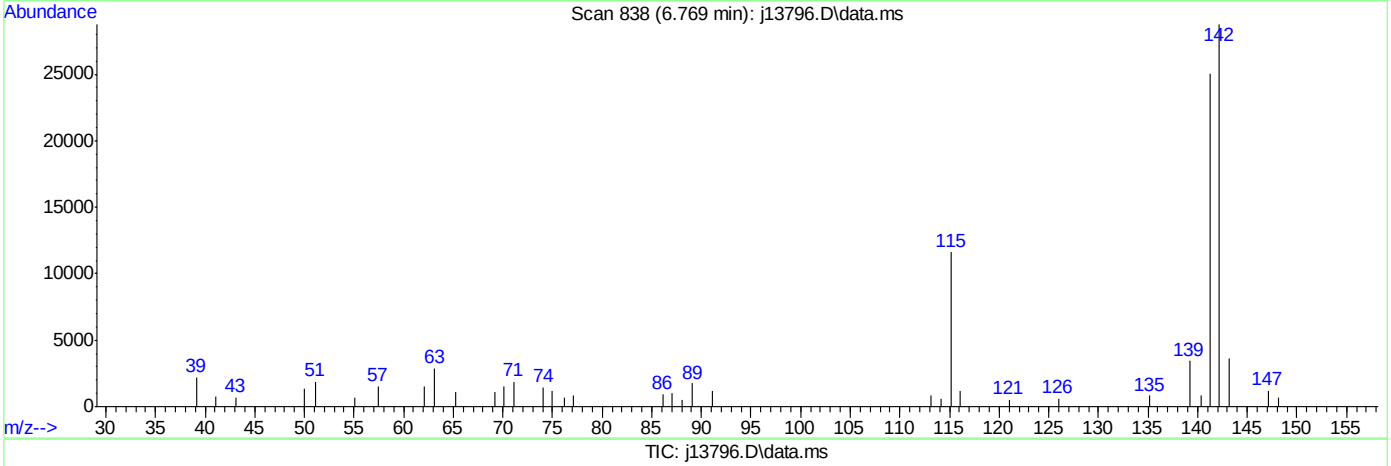


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13796.D
Acq On : 13 Oct 2009 4:53 pm
Operator : sheilac
Sample : t39513-2
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 14 11:00:19 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Tue Oct 13 13:17:41 2009
Response via : Initial Calibration





(34) 2-Methylnaphthalene

6.769min (-0.048) 1.02ug/ml m

response 37476

Ion	Exp%	Act%
142.20	100	100
141.20	86.20	1007.11#
115.10	37.80	460.17#
0.00	0.00	0.00

LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13796.D
Acq On : 13 Oct 2009 4:53 pm
Operator : sheilac
Sample : t39513-2
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 14 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 23000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\ej615mg.m
Title :

Signal : TIC: j13796.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.624	244	250	258	rVB2	115389	148419	1.00%	0.157%
2	3.699	261	264	277	rBV	1923202	2715537	18.36%	2.881%
3	3.859	290	294	304	rVB	306328	325167	2.20%	0.345%
4	3.999	312	320	325	rBV4	108896	174038	1.18%	0.185%
5	4.480	406	410	425	rBV	1344123	2300474	15.55%	2.441%
6	4.582	425	429	430	rBV2	334704	349371	2.36%	0.371%
7	4.592	430	431	441	rVB	560282	544696	3.68%	0.578%
8	4.699	447	451	460	rVB	3484602	3912134	26.45%	4.150%
9	4.854	476	480	489	rVB	2196876	2429753	16.43%	2.578%
10	5.191	539	543	548	rBV	1891473	2136472	14.45%	2.267%
11	5.229	548	550	555	rVB	215262	203090	1.37%	0.215%
12	5.903	667	676	679	rBV	4659423	5823741	39.38%	6.178%
13	5.978	686	690	707	rVB	403697	641527	4.34%	0.681%
14	6.448	767	778	783	rBV	236724	353630	2.39%	0.375%
15	6.898	855	862	874	rVB	1226569	1691853	11.44%	1.795%
16	7.122	899	904	911	rBV	319920	499378	3.38%	0.530%
17	7.293	929	936	945	rBV	3774842	4743327	32.07%	5.032%
18	7.432	958	962	967	rVB2	444282	590497	3.99%	0.626%
19	7.577	977	989	990	rBV6	96572	154368	1.04%	0.164%
20	7.689	1002	1010	1017	rVB2	78090	169560	1.15%	0.180%
21	7.801	1023	1031	1036	rBV2	557312	989849	6.69%	1.050%
22	7.844	1036	1039	1048	rVB2	100962	163559	1.11%	0.174%
23	7.983	1055	1065	1076	rBV4	217153	587899	3.97%	0.624%
24	8.122	1084	1091	1098	rVB2	292407	449174	3.04%	0.477%
25	8.358	1122	1135	1140	rBV	3373623	5699564	38.54%	6.047%
26	8.422	1140	1147	1153	rVV	9573875	14790326	100.00%	15.691%
27	8.475	1153	1157	1167	rVB	424914	700024	4.73%	0.743%
28	8.630	1179	1186	1192	rBV	399914	628724	4.25%	0.667%
29	8.711	1192	1201	1212	rVV	2315530	3576698	24.18%	3.795%
30	8.935	1231	1243	1247	rBV2	198575	407216	2.75%	0.432%
31	8.973	1247	1250	1264	rVB5	90293	241664	1.63%	0.256%
32	9.331	1307	1317	1328	rVB	2851646	4493739	30.38%	4.767%
33	9.433	1328	1336	1338	rBV5	204304	360803	2.44%	0.383%
34	9.486	1343	1346	1352	rVV2	352842	536575	3.63%	0.569%

LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13796.D
Acq On : 13 Oct 2009 4:53 pm
Operator : sheilac
Sample : t39513-2
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 14 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 23000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\ej615mg.m
Title :

35	9.540	1352	1356	1358	rVV	122278	183329	1.24%	0.194%
36	9.572	1358	1362	1369	rVV3	234803	460416	3.11%	0.488%
37	9.641	1369	1375	1381	rVB2	195745	342050	2.31%	0.363%
38	9.796	1397	1404	1410	rBV2	2432591	4107735	27.77%	4.358%
39	9.850	1410	1414	1423	rVB	258395	446085	3.02%	0.473%
40	10.149	1463	1470	1477	rBV	360418	580927	3.93%	0.616%
41	10.379	1505	1513	1519	rVV2	132684	319478	2.16%	0.339%
42	10.433	1519	1523	1532	rVB5	69094	182036	1.23%	0.193%
43	10.861	1595	1603	1608	rBV3	191673	394895	2.67%	0.419%
44	10.909	1608	1612	1618	rVB	163099	275527	1.86%	0.292%
45	11.134	1645	1654	1658	rBV2	2490158	4650067	31.44%	4.933%
46	11.176	1658	1662	1670	rVB	2336443	3818571	25.82%	4.051%
47	11.246	1670	1675	1679	rBV	153657	307229	2.08%	0.326%
48	11.358	1690	1696	1703	rBV	84171	158069	1.07%	0.168%
49	11.652	1744	1751	1757	rBV	365548	677245	4.58%	0.718%
50	11.701	1757	1760	1766	rVV3	87762	155699	1.05%	0.165%
51	11.786	1769	1776	1783	rVV6	129416	301943	2.04%	0.320%
52	11.931	1798	1803	1812	rBV2	143493	298662	2.02%	0.317%
53	12.166	1842	1847	1853	rBV	169802	283753	1.92%	0.301%
54	12.225	1853	1858	1862	rBV2	151594	287765	1.95%	0.305%
55	12.375	1880	1886	1892	rBV2	285768	549423	3.71%	0.583%
56	12.428	1892	1896	1904	rVB4	103532	213429	1.44%	0.226%
57	13.444	2080	2086	2093	rVB4	155528	261621	1.77%	0.278%
58	13.621	2111	2119	2131	rVB	599150	1148001	7.76%	1.218%
59	14.075	2196	2204	2214	rBV	530139	1011822	6.84%	1.073%
60	14.498	2274	2283	2291	rVB2	2021958	3568032	24.12%	3.785%
61	14.814	2328	2342	2351	rBV2	159531	393179	2.66%	0.417%
62	15.027	2375	2382	2397	rVB2	99844	182886	1.24%	0.194%
63	16.643	2670	2684	2708	rBV	1432790	2930623	19.81%	3.109%
64	18.253	2977	2985	3000	rBV	211722	355212	2.40%	0.377%
65	19.451	3200	3209	3225	rBV	848275	1880178	12.71%	1.995%

Sum of corrected areas: 94258733

LSC Report - Integrated Chromatogram

```
Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13796.D
Acq On    : 13 Oct 2009   4:53 pm
Operator  : sheilac
Sample    : t39513-2
Misc      : op13230,Ej633,1000,,,1,1,water
ALS Vial  : 14   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
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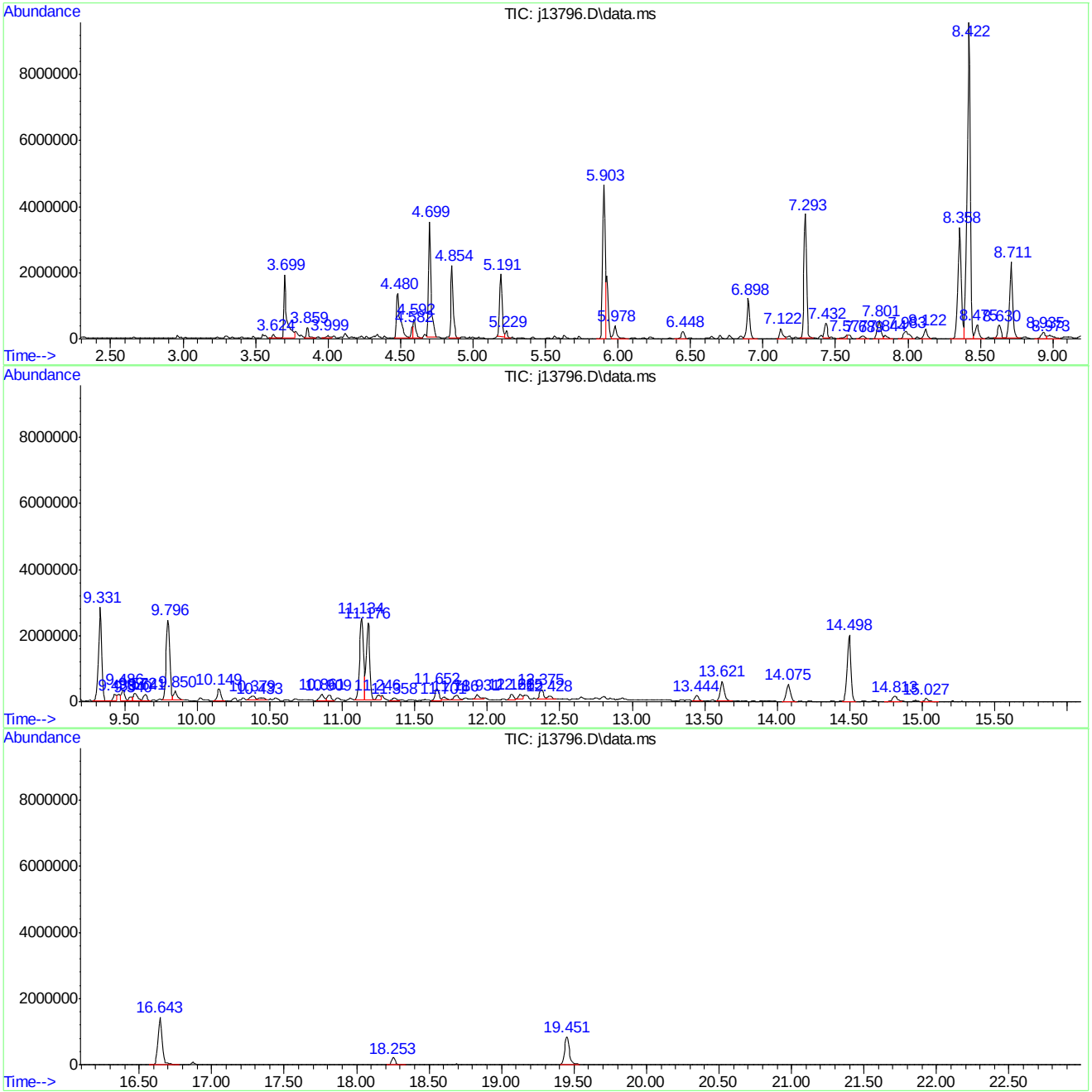


Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13796.D
Acq On : 13 Oct 2009 4:53 pm
Operator : sheilac
Sample : t39513-2
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 14 Sample Multiplier: 1

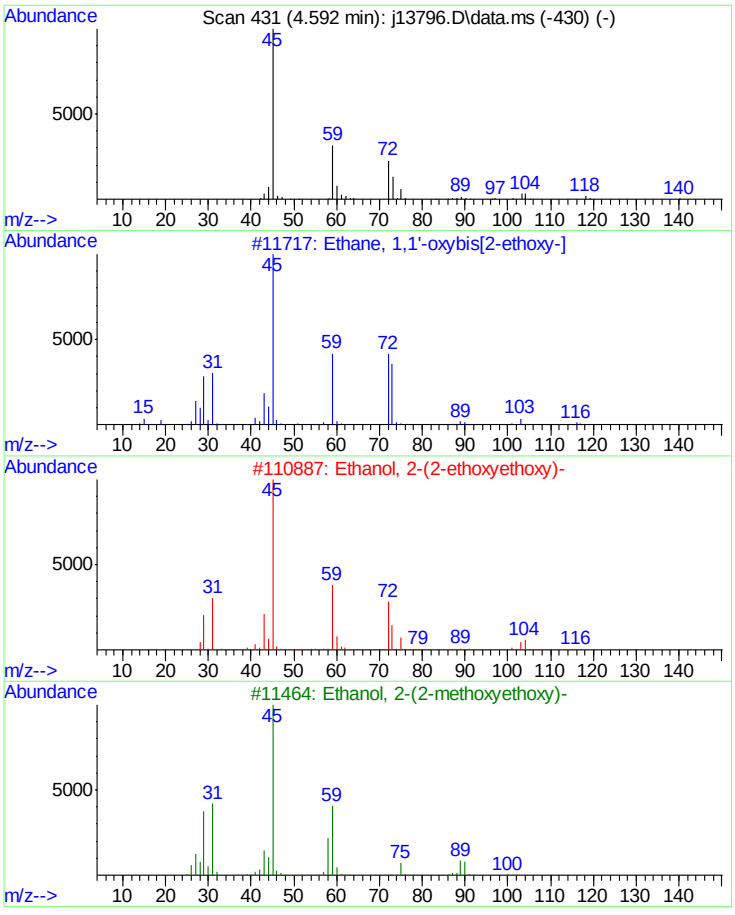
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

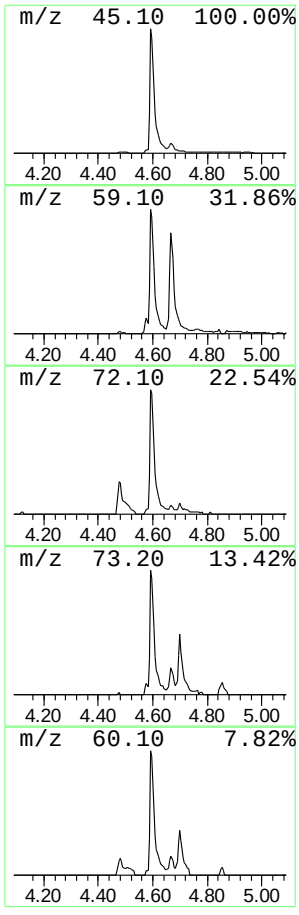
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Ethane, 1,1'-oxybis[2-ethoxy-] Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.592	5.57 ug/ml	544696	1,4-Dichlorobenzene-d4	4.699

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, 1,1'-oxybis[2-ethoxy-]	162	C8H18O3	000112-36-7	78
2	Ethanol, 2-(2-ethoxyethoxy)-	134	C6H14O3	000111-90-0	78
3	Ethanol, 2-(2-methoxyethoxy)-	120	C5H12O3	000111-77-3	59
4	Ethanol, 2-(2-ethoxyethoxy)-	134	C6H14O3	000111-90-0	53
5	Ethanol, 2-(2-ethoxyethoxy)-	134	C6H14O3	000111-90-0	50





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13796.D
Acq On : 13 Oct 2009 4:53 pm
Operator : sheilac
Sample : t39513-2
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 14 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

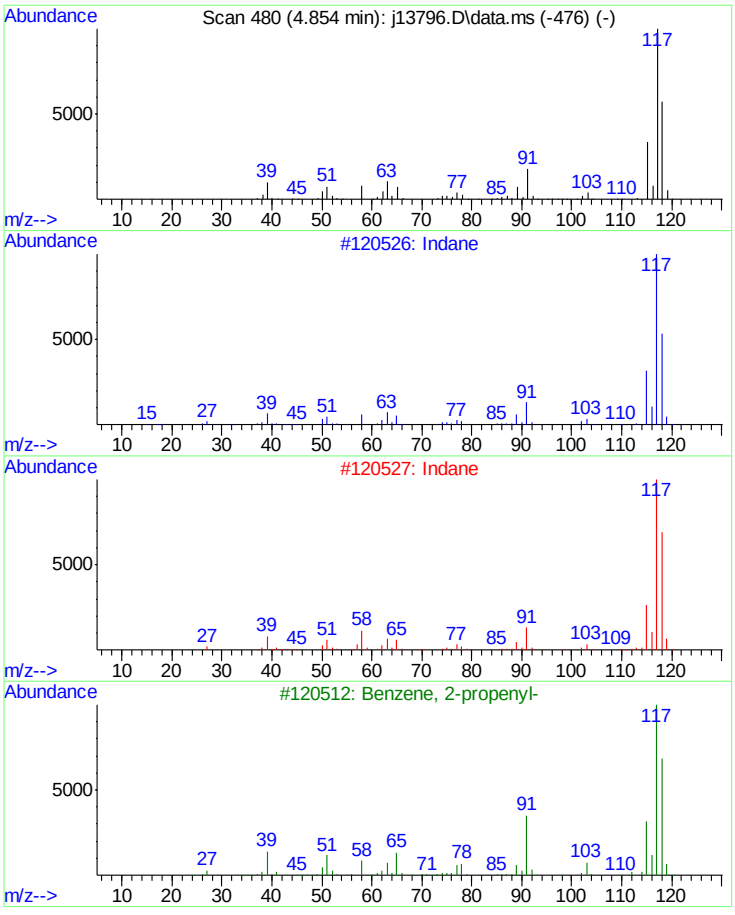
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

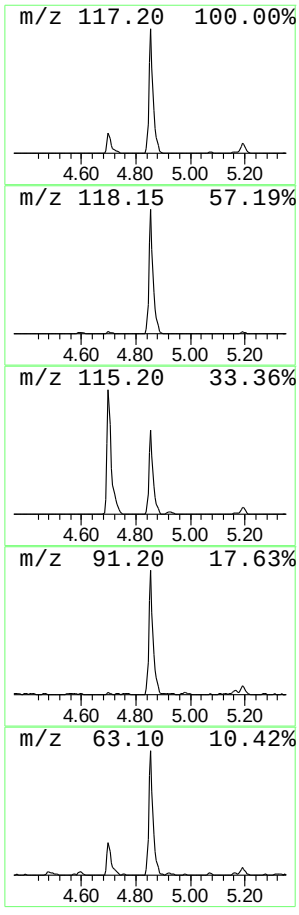
****

Peak Number 2 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.854	24.84 ug/ml	2429750	1,4-Dichlorobenzene-d4	4.699

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Indane	118	C9H10	000496-11-7	81
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	74
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	74
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64





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ALS Vial : 14 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

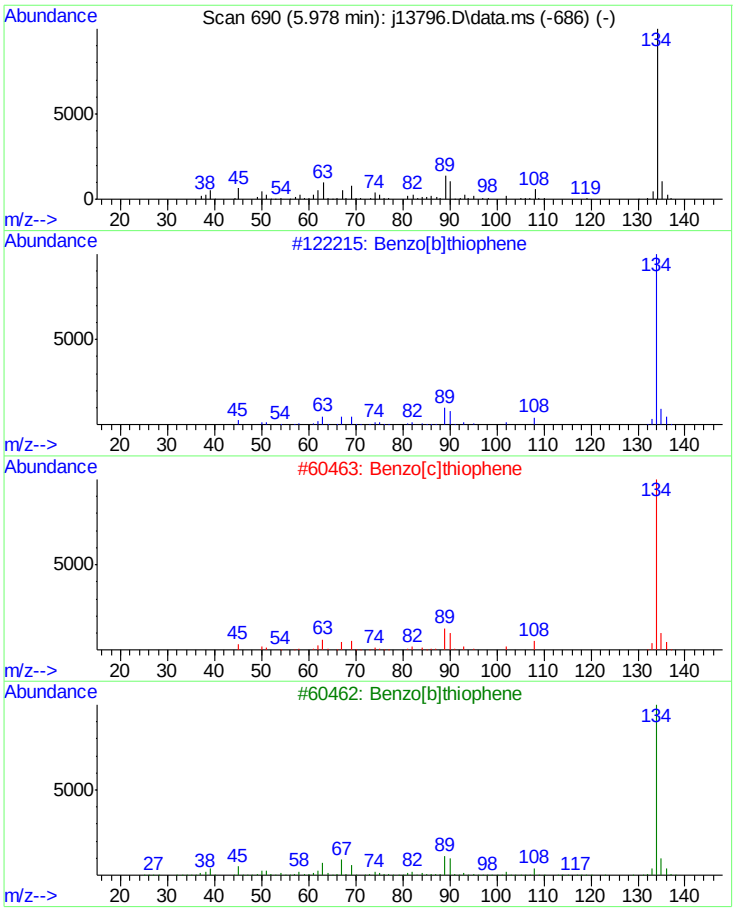
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

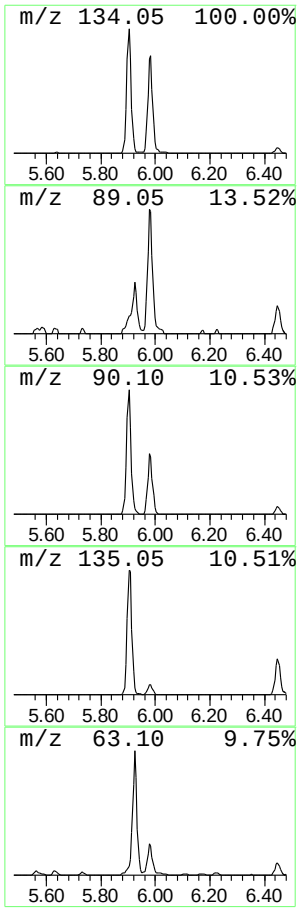
****

Peak Number 3 Benzo[b]thiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.978	4.41 ug/ml	641527	Naphthalene-d8	5.903

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene	134	C8H6S	000095-15-8	91
2	Benzo[c]thiophene	134	C8H6S	000270-82-6	91
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	91
4	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	91
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	91





Library Search Compound Report

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Acq On : 13 Oct 2009 4:53 pm
Operator : sheilac
Sample : t39513-2
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 14 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

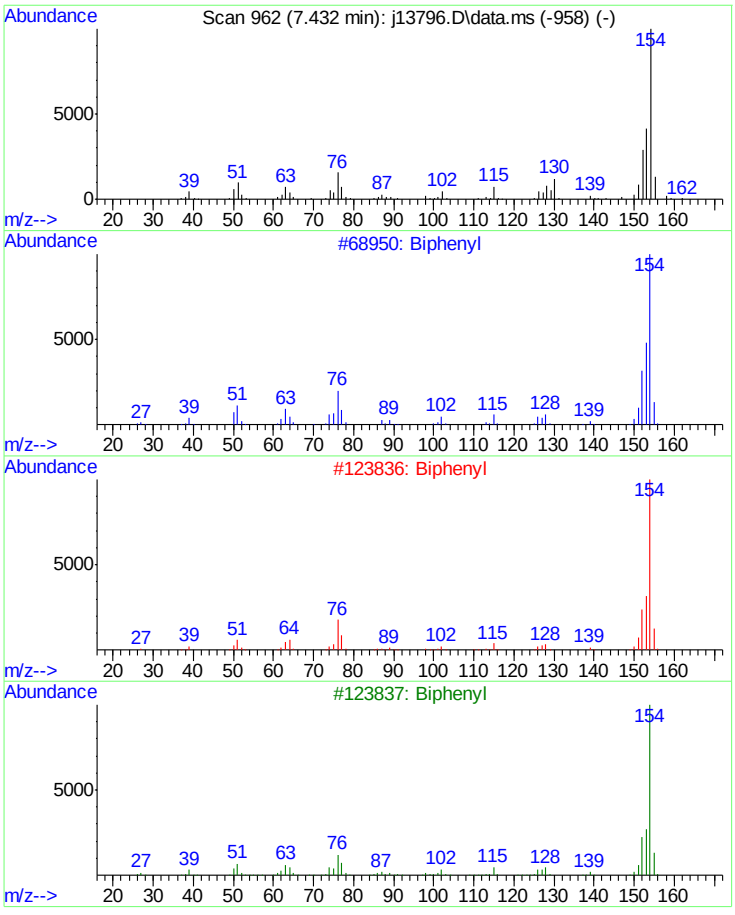
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

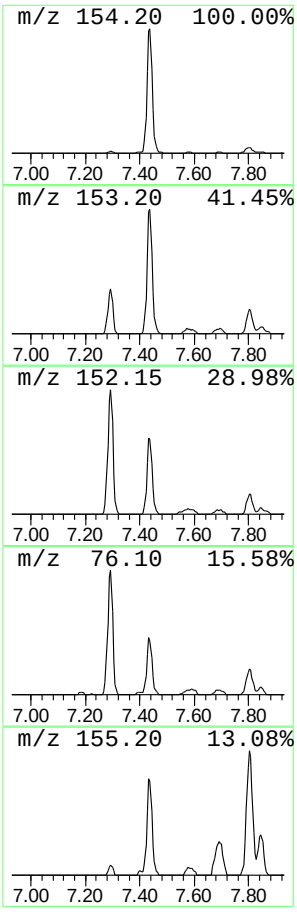
****

Peak Number 4 Biphenyl Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.432	4.14 ug/ml	590497	Acenaphthene-d10	8.358

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenyl	154	C12H10	000092-52-4	96
2	Biphenyl	154	C12H10	000092-52-4	94
3	Biphenyl	154	C12H10	000092-52-4	93
4	Biphenyl	154	C12H10	000092-52-4	92
5	Biphenyl	154	C12H10	000092-52-4	92





ACCUTEST Laboratories T39513

Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
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Operator : sheilac
Sample : t39513-2
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ALS Vial : 14 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

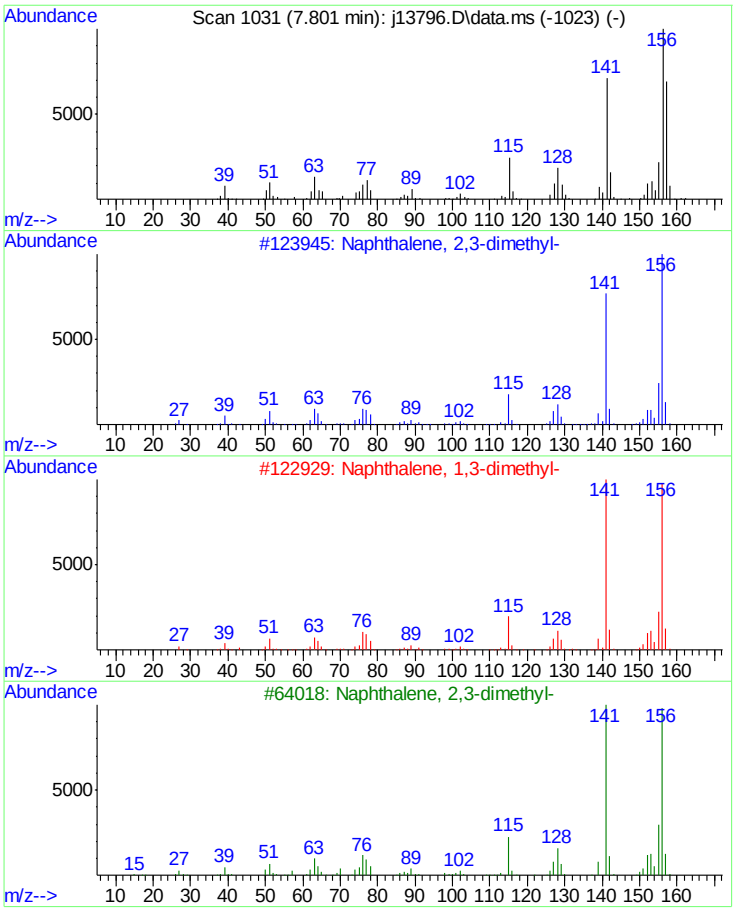
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

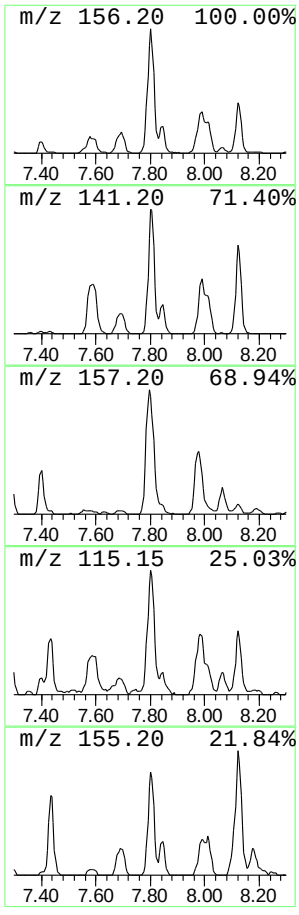
****

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.801	6.95 ug/ml	989849	Acenaphthene-d10	8.358

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	93
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	93
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	89





Library Search Compound Report

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Misc      : op13230,Ej633,1000,,,1,1,water
ALS Vial  : 14   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
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****

Peak Number 6 Naphthalene, 1,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.983	4.13 ug/ml	587899	Acenaphthene-d10	8.358

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	70
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	64
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	64
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	64
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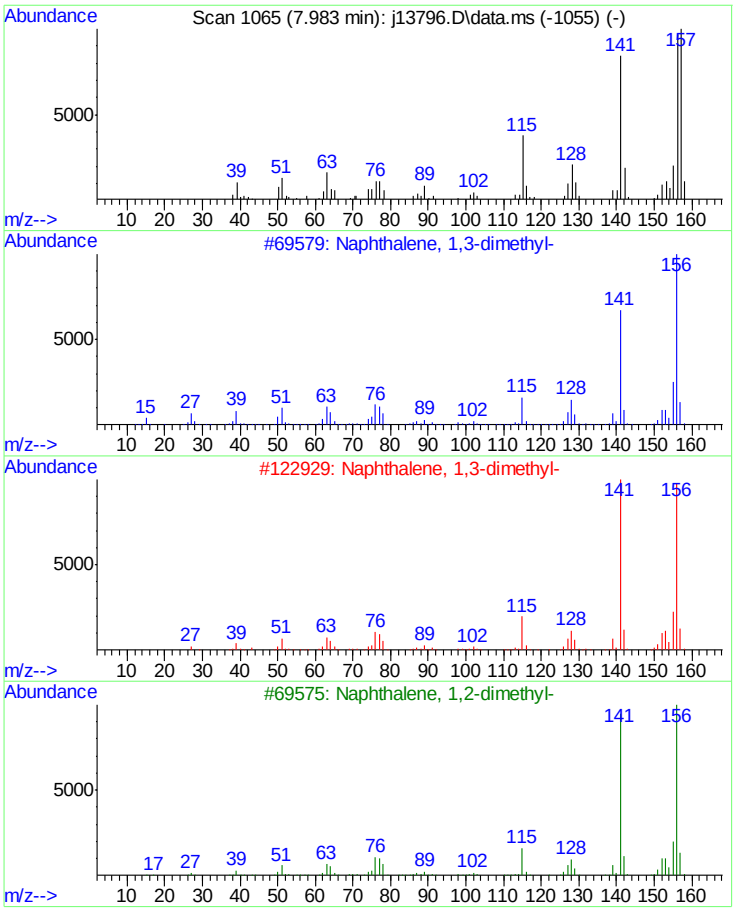

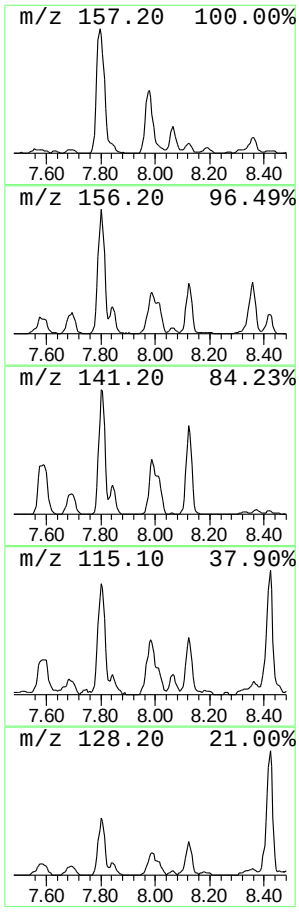

Library Search Compound Report

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Acq On : 13 Oct 2009 4:53 pm
Operator : sheilac
Sample : t39513-2
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 14 Sample Multiplier: 1

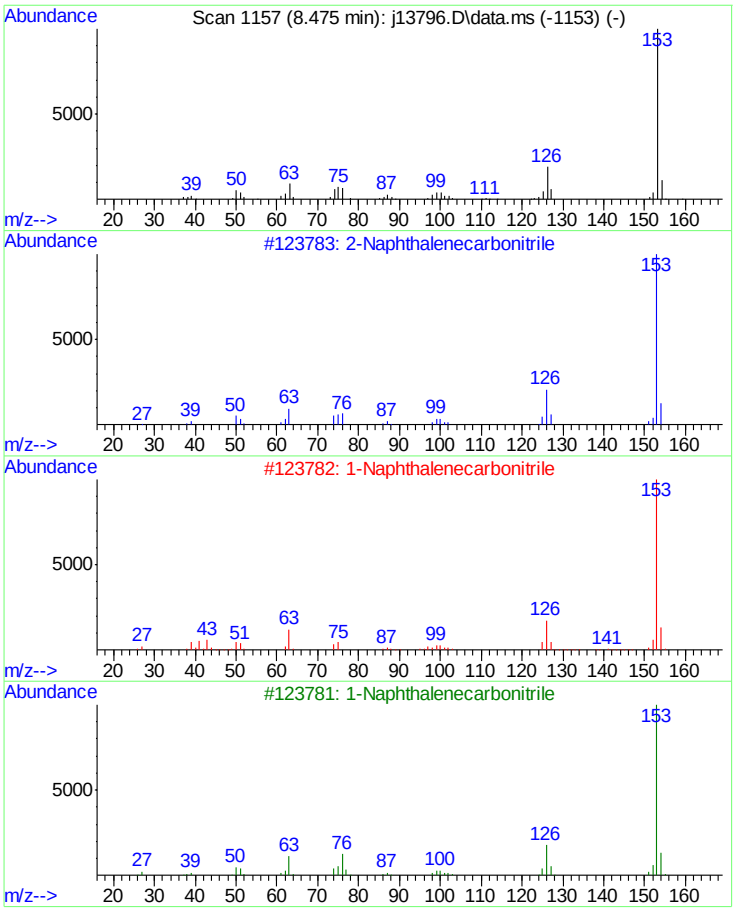
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

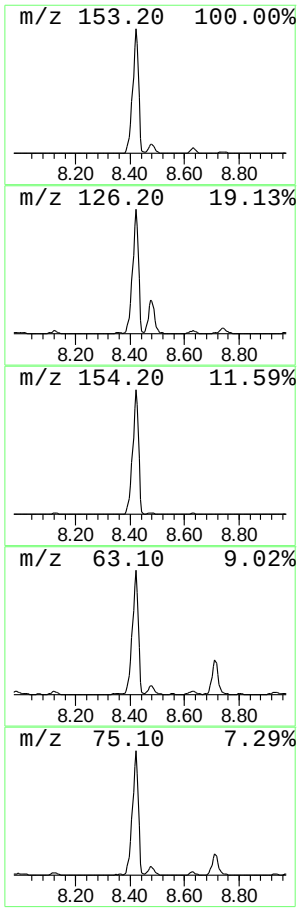
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 2-Naphthalenecarbonitrile Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.475	4.91 ug/ml	700024	Acenaphthene-d10	8.358

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	97
2	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
3	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	86
4	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	83
5	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	80





Library Search Compound Report

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Acq On : 13 Oct 2009 4:53 pm
Operator : sheilac
Sample : t39513-2
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 14 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

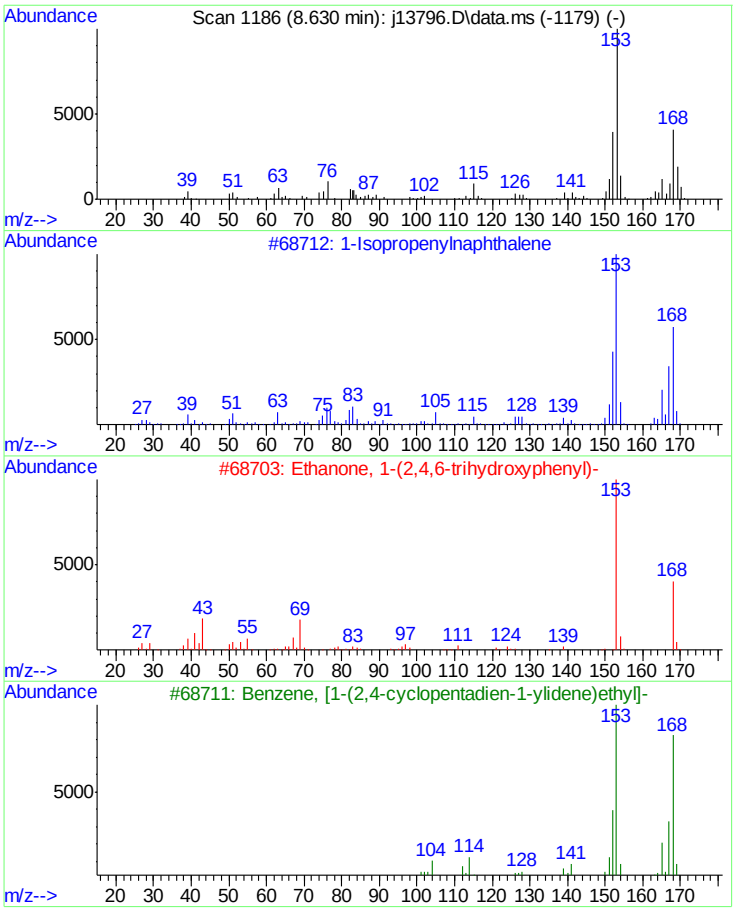
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

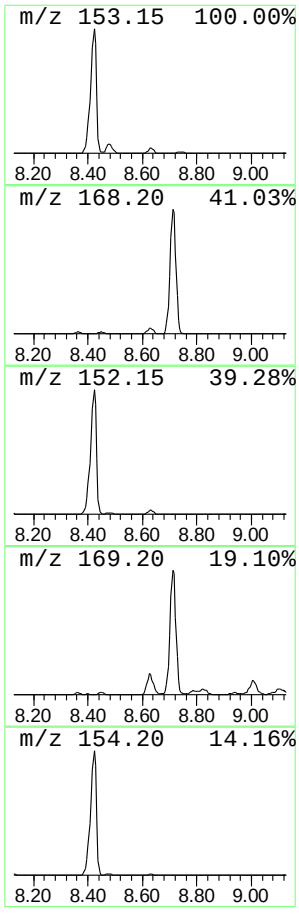
****

Peak Number 8 1-Isopropenylnaphthalene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.630	4.41 ug/ml	628724	Acenaphthene-d10	8.358

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	55
2	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	46
3	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	38
4	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	38
5	Thieno[2,3-b]thiophene, 2-ethyl-	168	C8H8S2	005912-01-6	38





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Acq On : 13 Oct 2009 4:53 pm
Operator : sheilac
Sample : t39513-2
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 14 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****

Peak Number 9 Anthracene, 9,10-dihydro- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.150	5.00 ug/ml	580927	Phenanthrene-d10	11.134

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	98
2	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	97
3	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	96
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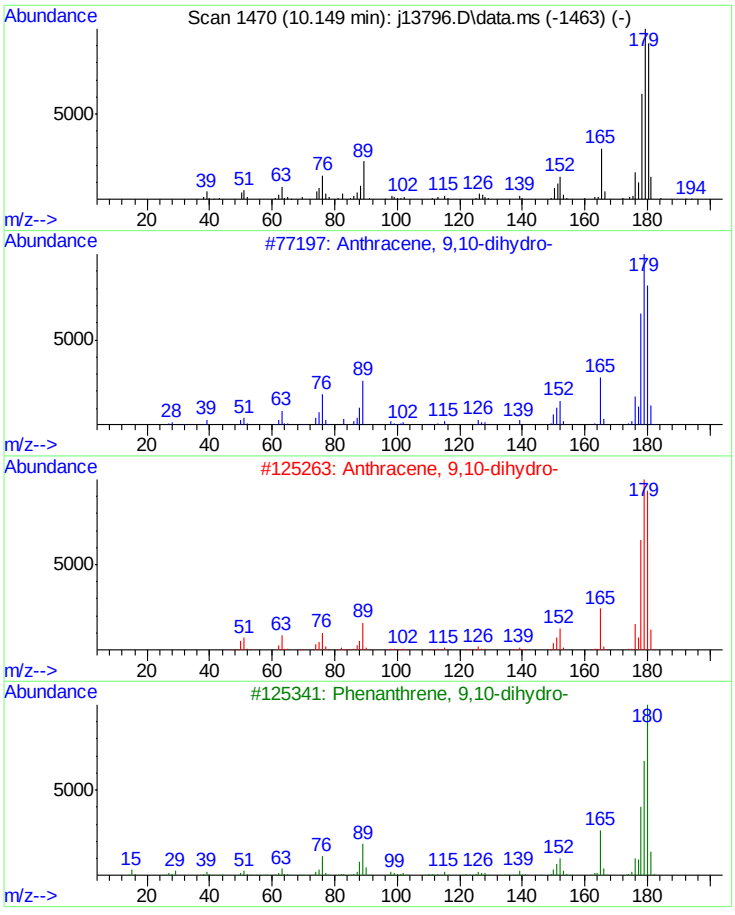

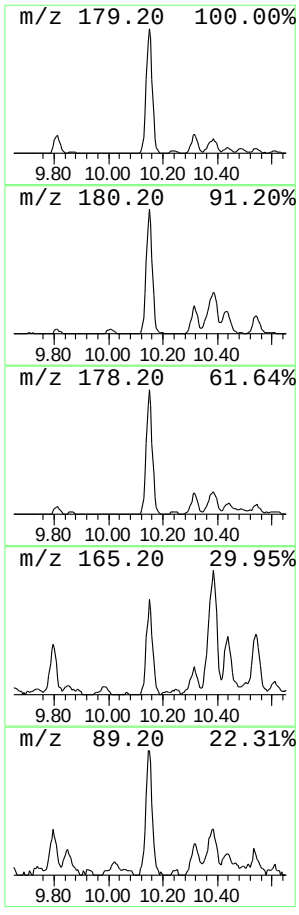

Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
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Acq On : 13 Oct 2009 4:53 pm
Operator : sheilac
Sample : t39513-2
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 14 Sample Multiplier: 1

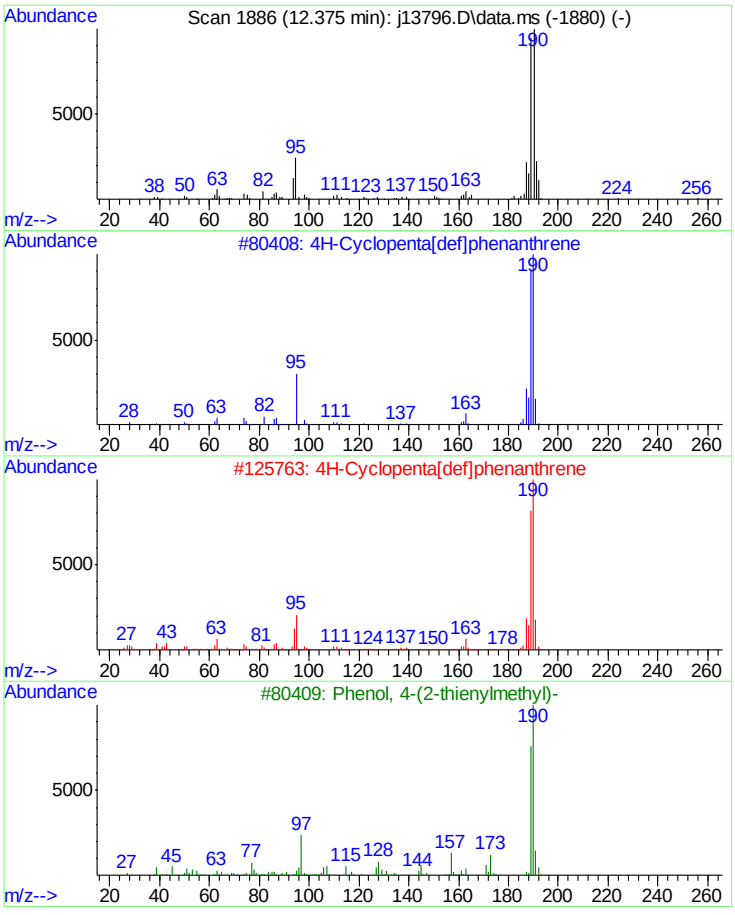
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

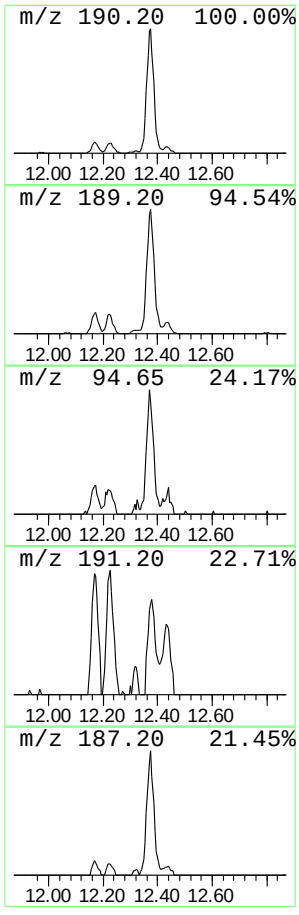
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.374	4.73 ug/ml	549423	Phenanthrene-d10	11.134

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
3	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	64
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
5	Benzo[1,2-b:4,3-b']dithiophene	190	C10H6S2	000210-80-0	32





Library Search Compound Report

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Misc      : op13230,Ej633,1000,,,1,1,water
ALS Vial  : 14   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
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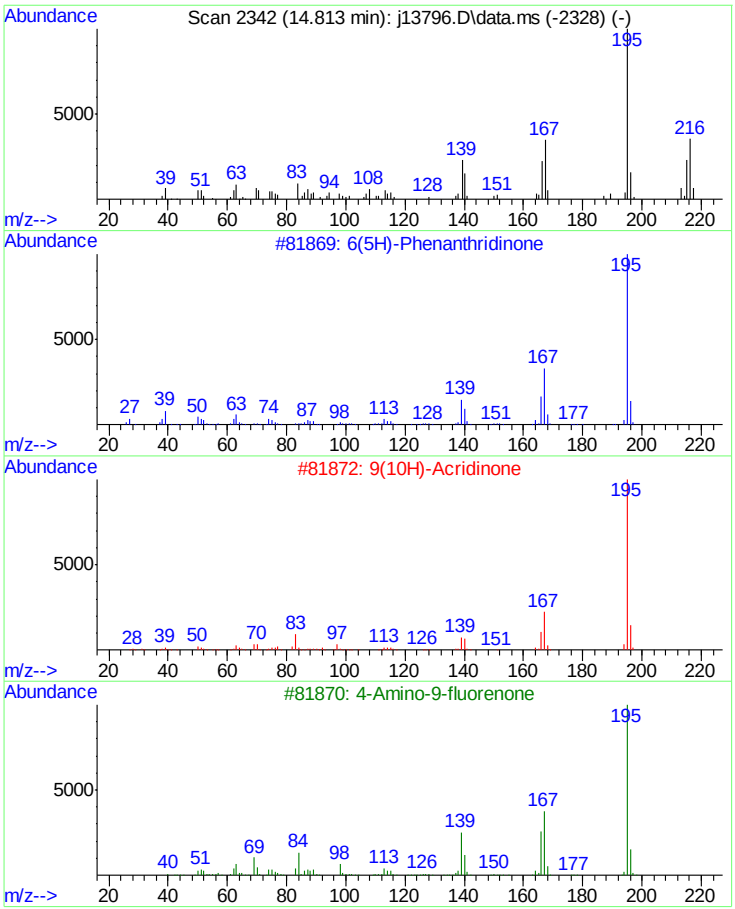
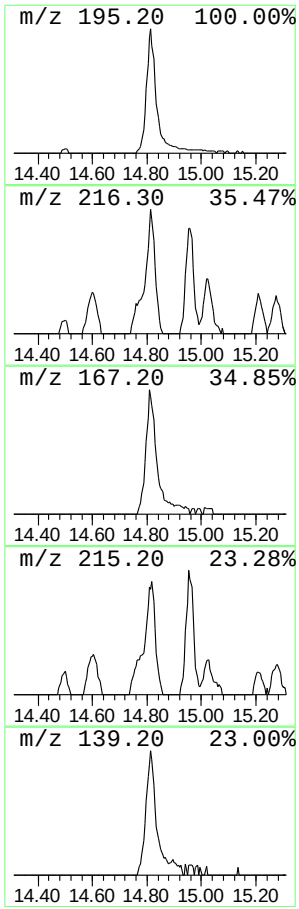
****

Peak Number 11 6(5H)-Phenanthridinone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.813	5.37 ug/ml	393179	Chrysene-d12	16.643

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6(5H)-Phenanthridinone	195	C13H9NO	001015-89-0	94
2	9(10H)-Acridinone	195	C13H9NO	000578-95-0	93
3	4-Amino-9-fluorenone	195	C13H9NO	004269-15-2	93
4	9(10H)-Acridinone	195	C13H9NO	000578-95-0	86
5	Benzo[c]cinnolin-2-amine	195	C12H9N3	004827-07-0	76





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
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Acq On : 13 Oct 2009 4:53 pm
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Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 14 Sample Multiplier: 1

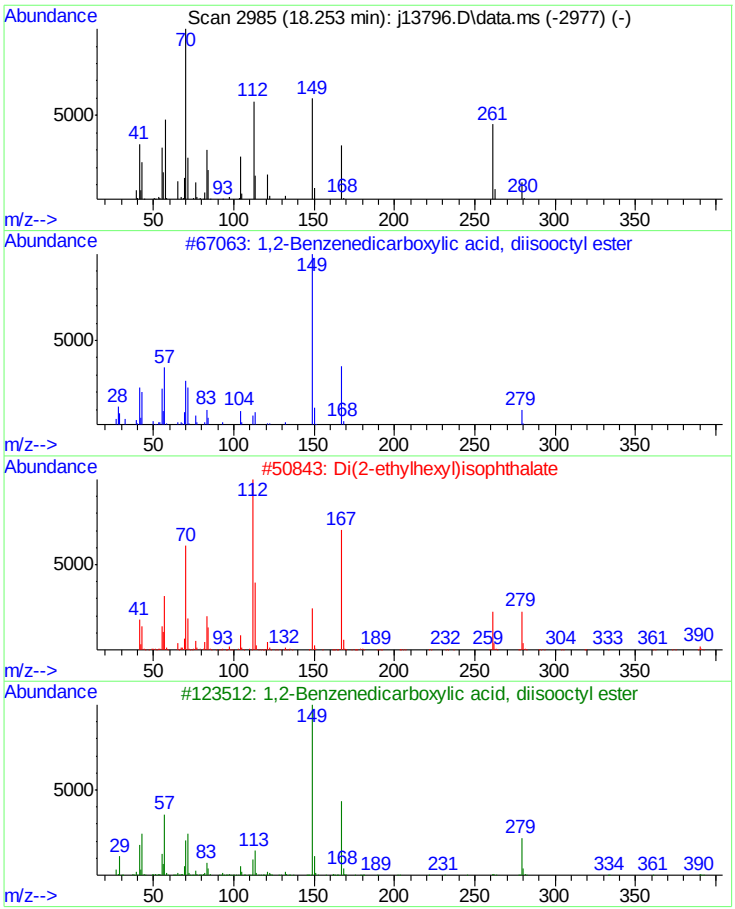
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

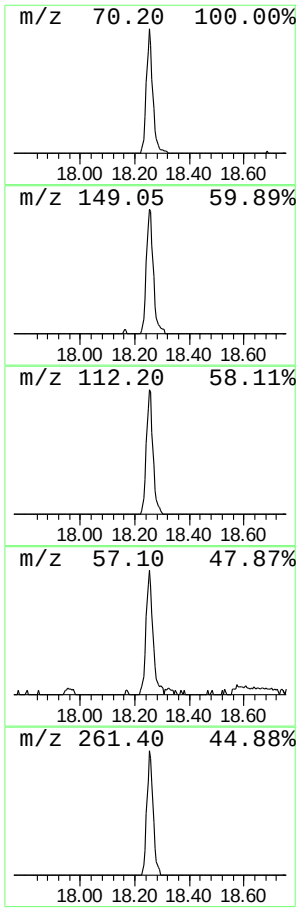
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 1,2-Benzenedicarboxylic aci... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.253	7.56 ug/ml	355212	Perylene-d12	19.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, di...	390	C24H38O4	027554-26-3	43
2	Di(2-ethylhexyl)isophthalate	390	C24H38O4	1000132-34-4	25
3	1,2-Benzenedicarboxylic acid, di...	390	C24H38O4	027554-26-3	22
4	1,2-Benzenedicarboxylic acid, mo...	278	C16H22O4	004376-20-9	16
5	9-(2',2'-Dimethylpropanoilhydraz...	576	C30H42Cl2N4O3	1000111-04-6	16





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13796.D
Acq On : 13 Oct 2009 4:53 pm
Operator : sheilac
Sample : t39513-2
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 14 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
Ethane, 1,1'-ox...	4.592	5.6	ug/ml	544696	1	4.699	3912130	40.0
Indane	4.854	24.8	ug/ml	2429750	1	4.699	3912130	40.0
Benzo[b]thiophene	5.978	4.4	ug/ml	641527	2	5.903	5823740	40.0
Biphenyl	7.432	4.1	ug/ml	590497	3	8.358	5699560	40.0
Naphthalene, 2,...	7.801	7.0	ug/ml	989849	3	8.358	5699560	40.0
Naphthalene, 1,...	7.983	4.1	ug/ml	587899	3	8.358	5699560	40.0
2-Naphthaleneca...	8.475	4.9	ug/ml	700024	3	8.358	5699560	40.0
1-Isopropenylna...	8.630	4.4	ug/ml	628724	3	8.358	5699560	40.0
Anthracene, 9,1...	10.150	5.0	ug/ml	580927	4	11.134	4650070	40.0
4H-Cyclopenta[d...	12.374	4.7	ug/ml	549423	4	11.134	4650070	40.0
6(5H)-Phenanthr...	14.813	5.4	ug/ml	393179	5	16.643	2930620	40.0
1,2-Benzenedica...	18.253	7.6	ug/ml	355212	6	19.451	1880180	40.0

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13797.D
Acq On : 13 Oct 2009 5:23 pm
Operator : sheilac
Sample : t39513-3
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 14 11:02:49 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Tue Oct 13 13:17:41 2009
Response via : Initial Calibration

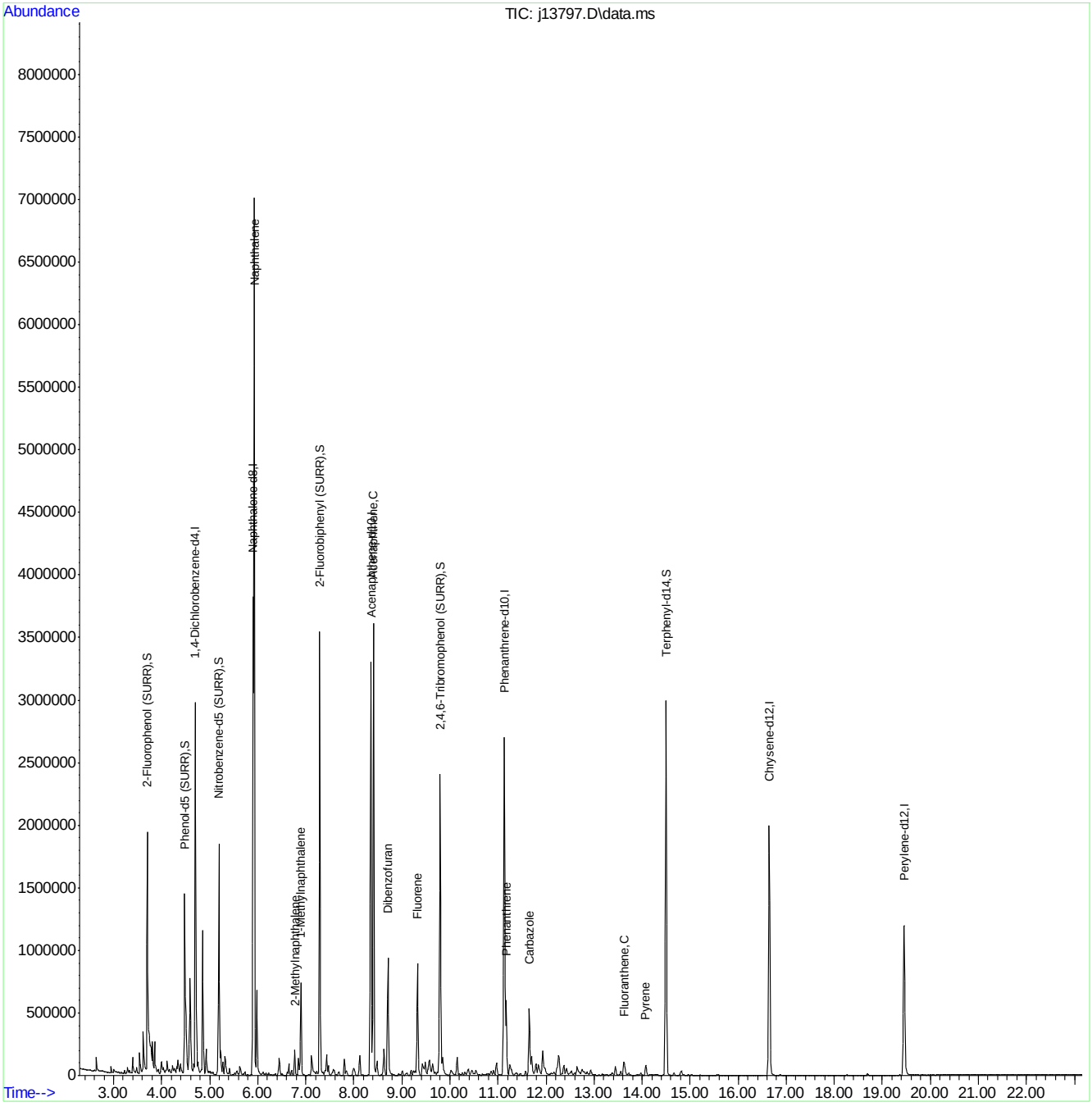
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.699	152	509735	40.00	ug/ml	-0.03
20) Naphthalene-d8	5.903	136	1973905	40.00	ug/ml	-0.04
36) Acenaphthene-d10	8.358	164	1098666	40.00	ug/ml	-0.06
57) Phenanthrene-d10	11.134	188	1643209	40.00	ug/ml	-0.07
71) Chrysene-d12	16.648	240	1397154	40.00	ug/ml	-0.09
80) Perylene-d12	19.456	264	949939	40.00	ug/ml	-0.07
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.699	112	776352	48.53	ug/ml	0.02
Spiked Amount 100.000	Range 10 - 66		Recovery = 48.53%			
5) Phenol-d5 (SURR)	4.480	99	735717	36.80	ug/ml	-0.02
Spiked Amount 100.000	Range 10 - 53		Recovery = 36.80%			
21) Nitrobenzene-d5 (SURR)	5.191	82	678439	32.78	ug/ml	-0.11
Spiked Amount 50.000	Range 29 - 115		Recovery = 65.56%			
40) 2-Fluorobiphenyl (SURR)	7.293	172	1261114	28.53	ug/ml	-0.25
Spiked Amount 50.000	Range 34 - 113		Recovery = 57.06%			
62) 2,4,6-Tribromophenol (...	9.796	330	392381	70.97	ug/ml	-0.17
Spiked Amount 100.000	Range 32 - 128		Recovery = 70.97%			
74) Terphenyl-d14	14.503	244	1512656	45.34	ug/ml	-0.09
Spiked Amount 50.000	Range 12 - 145		Recovery = 90.68%			
Target Compounds						Qvalue
30) Naphthalene	5.929	128	3343602	62.19	ug/ml	100
34) 2-Methylnaphthalene	6.769	142	70573	2.15	ug/ml	98
35) 1-Methylnaphthalene	6.897	142	266662	7.75	ug/ml	98
47) Acenaphthene	8.411	154	1178883	38.56	ug/ml	100
50) Dibenzofuran	8.711	168	549248	12.58	ug/ml	98
54) Fluorene	9.326	166	381366	10.02	ug/ml	99
66) Phenanthrene	11.171	178	360708	7.37	ug/ml	99
68) Carbazole	11.652	167	367912	9.69	ug/ml	100
70) Fluoranthene	13.621	202	85348	1.92	ug/ml#	63
73) Pyrene	14.075	202	63167	1.28	ug/ml#	58

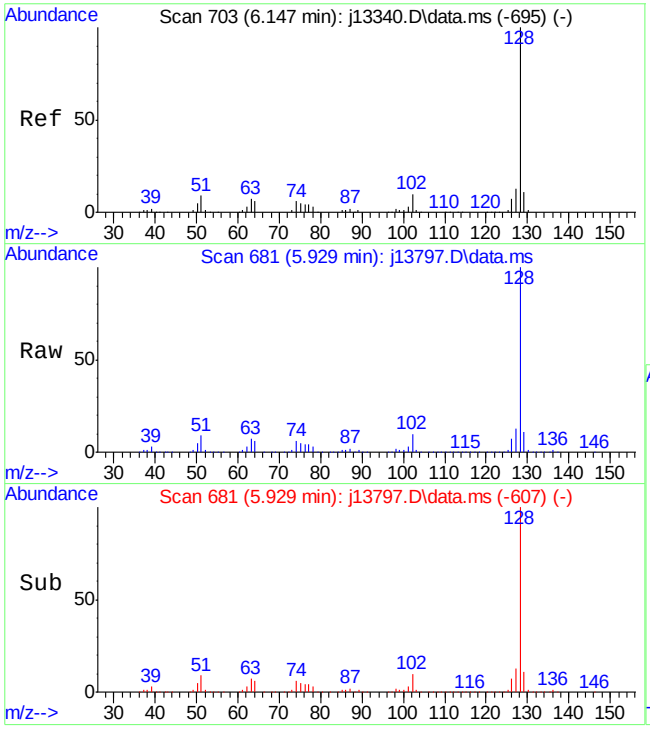
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13797.D
Acq On : 13 Oct 2009 5:23 pm
Operator : sheilac
Sample : t39513-3
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 14 11:02:49 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Tue Oct 13 13:17:41 2009
Response via : Initial Calibration

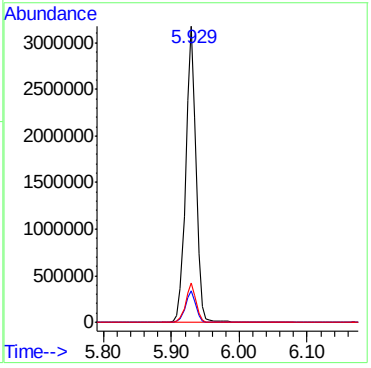


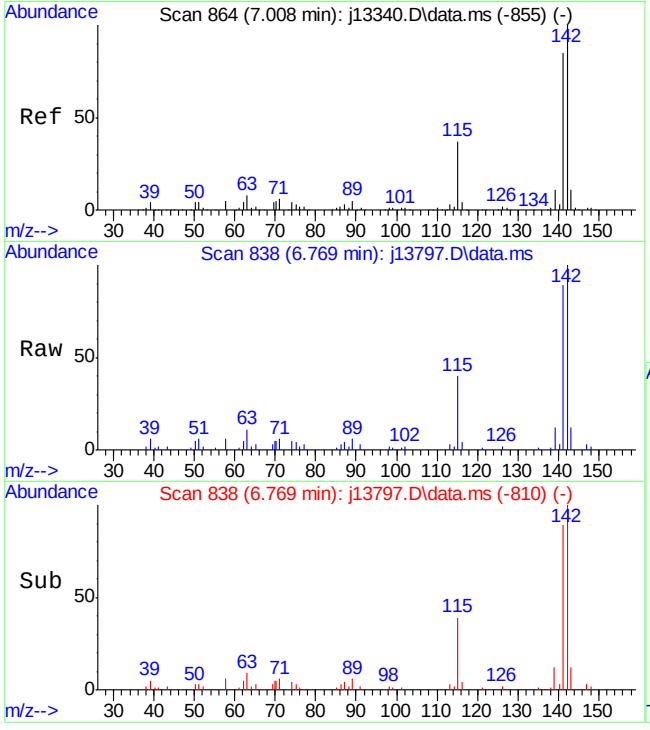


#30
Naphthalene
Concen: 62.19 ug/ml
RT: 5.929 min Scan# 681
Delta R.T. -0.105 min
Lab File: j13797.D
Acq: 13 Oct 2009 5:23 pm

Tgt Ion:128 Resp: 3343602

Ion	Ratio	Lower	Upper
128	100		
129	10.9	0.0	30.9
127	13.2	0.0	33.4

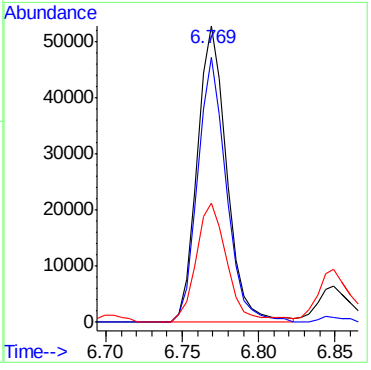




#34
2-Methylnaphthalene
Concen: 2.15 ug/ml
RT: 6.769 min Scan# 838
Delta R.T. -0.048 min
Lab File: j13797.D
Acq: 13 Oct 2009 5:23 pm

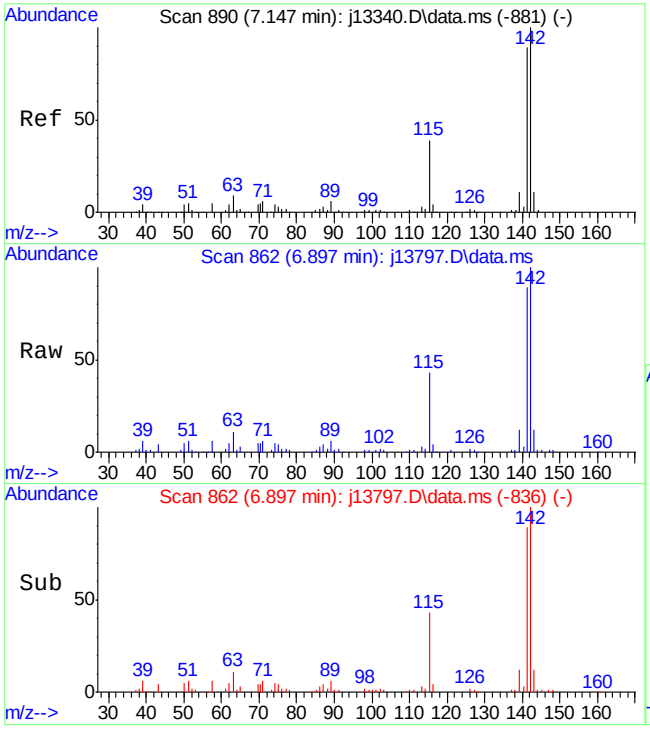
Tgt Ion:142 Resp: 70573

Ion	Ratio	Lower	Upper
142	100		
141	86.5	66.2	106.2
115	41.4	17.8	57.8



8.1.5

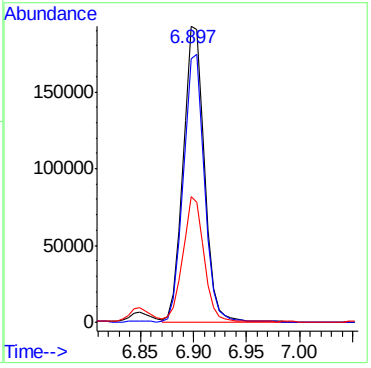
8

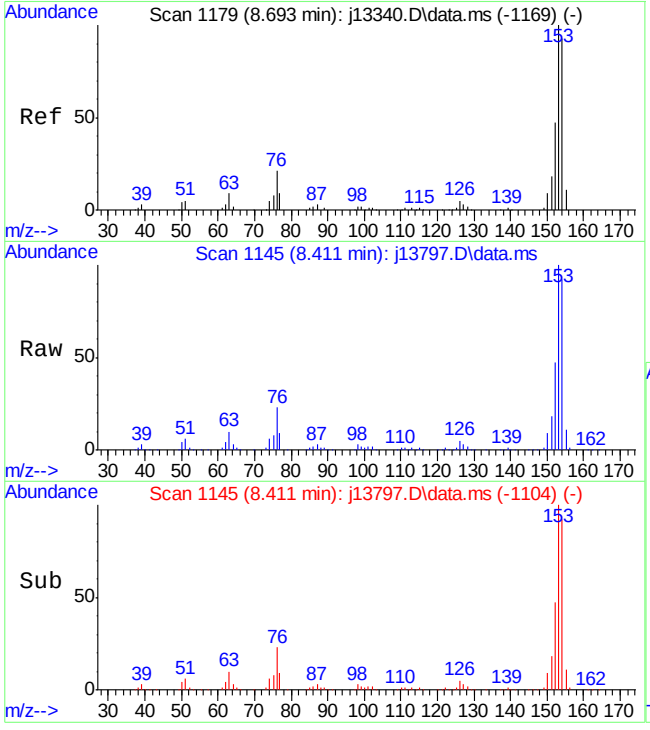


#35
1-Methylnaphthalene
Concen: 7.75 ug/ml
RT: 6.897 min Scan# 862
Delta R.T. -0.059 min
Lab File: j13797.D
Acq: 13 Oct 2009 5:23 pm

Tgt Ion:142 Resp: 266662

Ion	Ratio	Lower	Upper
142	100		
141	89.7	69.4	109.4
115	42.6	18.9	58.9

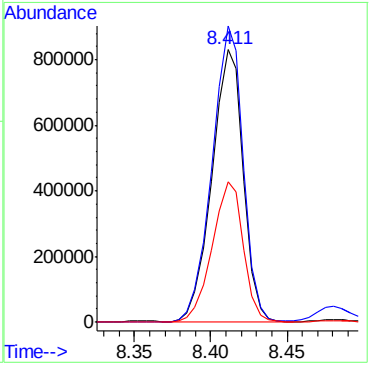


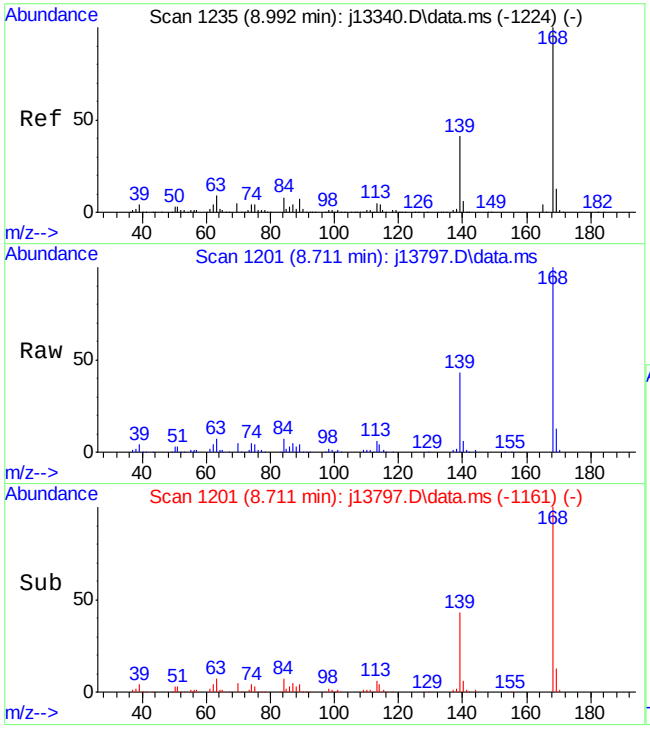


#47
Acenaphthene
Concen: 38.56 ug/ml
RT: 8.411 min Scan# 1145
Delta R.T. -0.282 min
Lab File: j13797.D
Acq: 13 Oct 2009 5:23 pm

Tgt Ion:154 Resp: 1178883

Ion	Ratio	Lower	Upper
154	100		
153	108.4	87.9	127.9
152	51.3	31.3	71.3

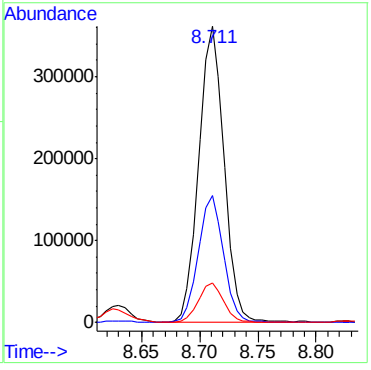


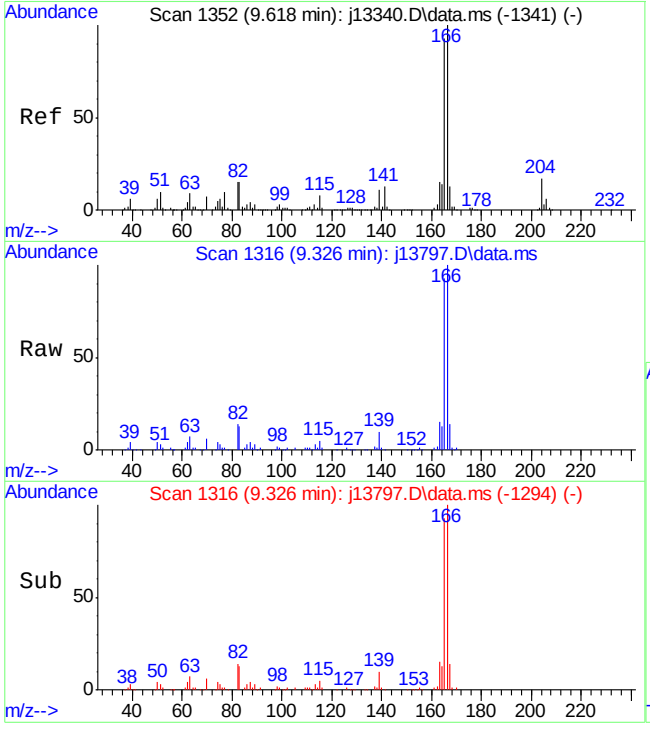


#50
Dibenzofuran
Concen: 12.58 ug/ml
RT: 8.711 min Scan# 1201
Delta R.T. -0.287 min
Lab File: j13797.D
Acq: 13 Oct 2009 5:23 pm

Tgt Ion:168 Resp: 549248

Ion	Ratio	Lower	Upper
168	100		
139	42.5	21.2	61.2
169	13.2	0.0	33.2

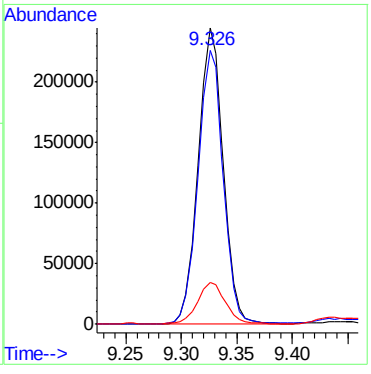


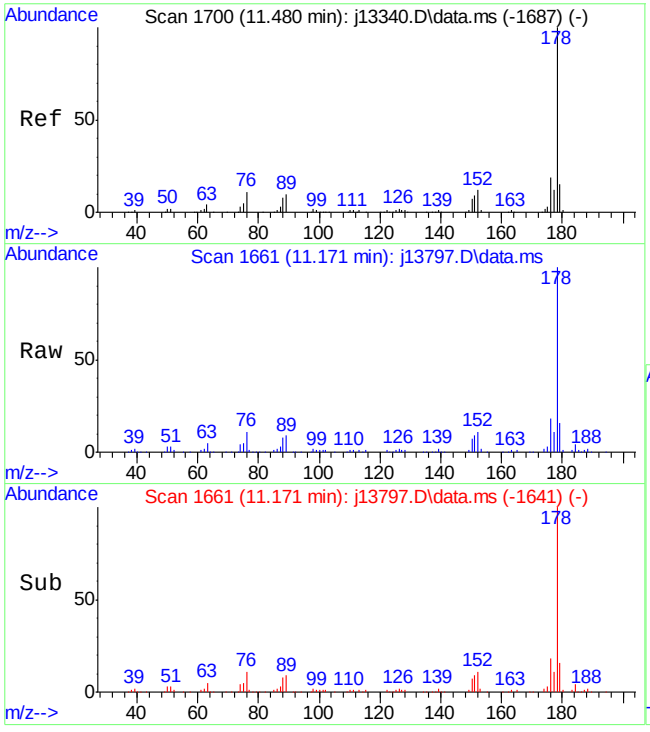


#54
Fluorene
Concen: 10.02 ug/ml
RT: 9.326 min Scan# 1316
Delta R.T. -0.080 min
Lab File: j13797.D
Acq: 13 Oct 2009 5:23 pm

Tgt Ion:166 Resp: 381366

Ion	Ratio	Lower	Upper
166	100		
165	93.2	73.8	113.8
167	15.8	0.0	33.3

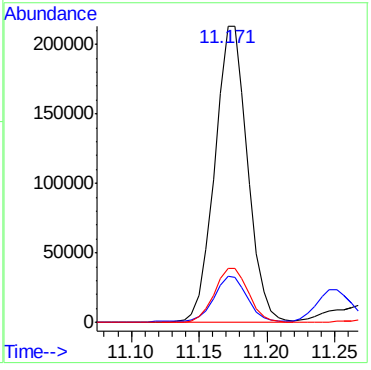


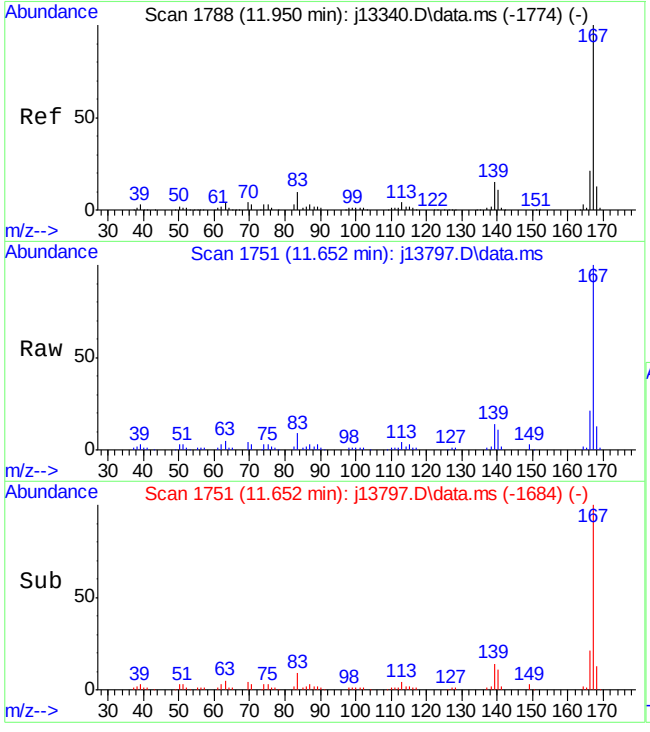


#66
Phenanthrene
Concen: 7.37 ug/ml
RT: 11.171 min Scan# 1661
Delta R.T. -0.091 min
Lab File: j13797.D
Acq: 13 Oct 2009 5:23 pm

Tgt Ion:178 Resp: 360708

Ion	Ratio	Lower	Upper
178	100		
179	16.1	0.0	35.2
176	18.7	0.0	39.2

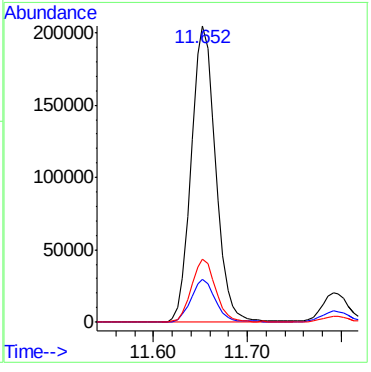


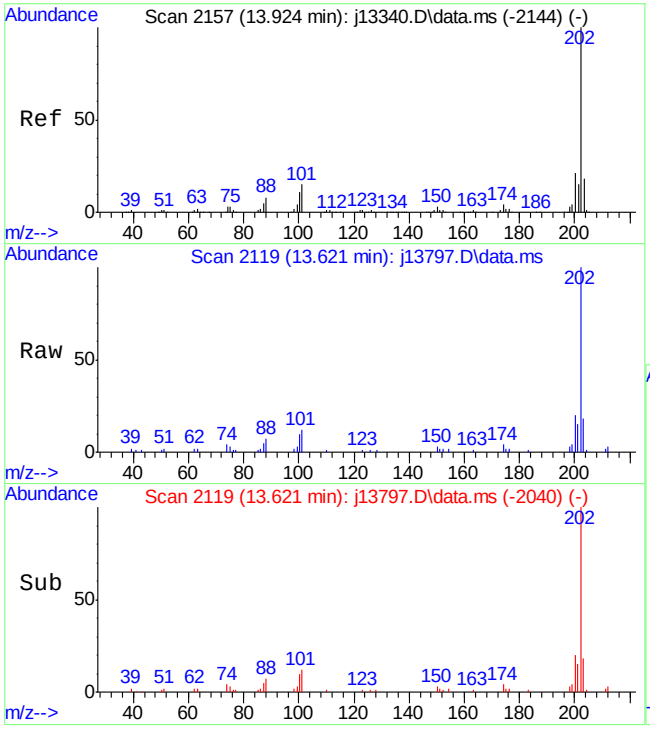


#68
Carbazole
Concen: 9.69 ug/ml
RT: 11.652 min Scan# 1751
Delta R.T. -0.141 min
Lab File: j13797.D
Acq: 13 Oct 2009 5:23 pm

Tgt Ion:167 Resp: 367912

Ion	Ratio	Lower	Upper
167	100		
139	14.4	0.0	34.1
166	21.0	0.9	40.9

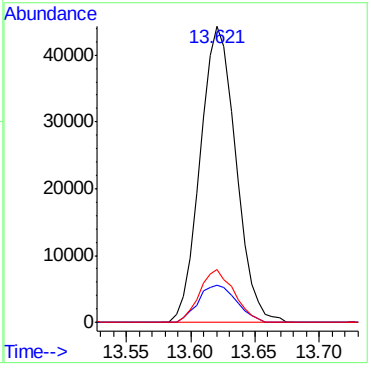


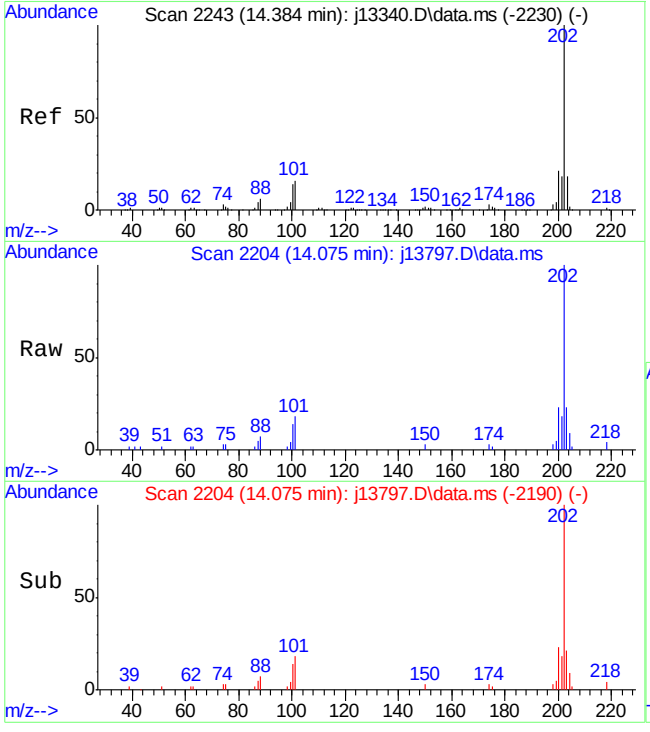


#70
Fluoranthene
Concen: 1.92 ug/ml
RT: 13.621 min Scan# 2119
Delta R.T. -0.080 min
Lab File: j13797.D
Acq: 13 Oct 2009 5:23 pm

Tgt Ion:202 Resp: 85348

Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	33.9
203	0.0	0.0	37.3

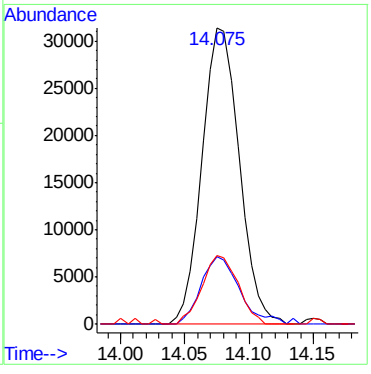




#73
Pyrene
Concen: 1.28 ug/ml
RT: 14.075 min Scan# 2204
Delta R.T. -0.125 min
Lab File: j13797.D
Acq: 13 Oct 2009 5:23 pm

Tgt Ion:202 Resp: 63167

Ion	Ratio	Lower	Upper
202	100		
200	0.0	0.5	40.5#
203	0.0	0.0	37.8



LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13797.D
Acq On : 13 Oct 2009 5:23 pm
Operator : sheilac
Sample : t39513-3
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 15 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 23000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\ej615mg.m
Title :

Signal : TIC: j13797.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.645	64	67	71	rBV	111851	101646	1.37%	0.132%
2	3.394	205	207	219	rBV	130339	159642	2.16%	0.207%
3	3.544	232	235	244	rBV2	170665	227484	3.07%	0.295%
4	3.619	246	249	258	rBV	317102	401491	5.42%	0.520%
5	3.699	261	264	277	rBV	1896532	2622670	35.42%	3.396%
6	3.811	283	285	290	rVB	213952	197003	2.66%	0.255%
7	3.854	290	293	303	rVB	241900	269338	3.64%	0.349%
8	3.993	311	319	325	rBV3	95411	159294	2.15%	0.206%
9	4.116	339	342	347	rVB2	83965	89863	1.21%	0.116%
10	4.228	357	363	367	rBV2	60942	81293	1.10%	0.105%
11	4.394	390	394	397	rBV2	65097	74785	1.01%	0.097%
12	4.480	406	410	424	rBV	1408190	2253210	30.43%	2.918%
13	4.592	424	431	440	rVB4	742847	1259746	17.01%	1.631%
14	4.699	447	451	460	rBV	2920828	3432700	46.36%	4.445%
15	4.758	460	462	469	rVB	85021	92764	1.25%	0.120%
16	4.854	476	480	488	rVB	1143955	1320730	17.84%	1.710%
17	4.924	488	493	500	rBV	194691	289062	3.90%	0.374%
18	5.191	532	543	548	rBV	1845973	2228422	30.10%	2.886%
19	5.229	548	550	555	rVV	197694	220930	2.98%	0.286%
20	5.271	555	558	562	rVV	97283	108546	1.47%	0.141%
21	5.320	562	567	577	rVV	140277	243430	3.29%	0.315%
22	5.630	621	625	633	rBV3	70715	117708	1.59%	0.152%
23	5.903	670	676	678	rBV	3817706	4664787	63.00%	6.040%
24	5.929	678	681	686	rVV	7005967	7404043	100.00%	9.588%
25	5.983	686	691	708	rVB	676663	951047	12.84%	1.232%
26	6.448	768	778	785	rBV2	136658	225366	3.04%	0.292%
27	6.646	812	815	821	rVB	90043	97337	1.31%	0.126%
28	6.769	832	838	844	rBV	202361	260840	3.52%	0.338%
29	6.849	848	853	857	rVV	134737	199716	2.70%	0.259%
30	6.897	857	862	871	rVB	740027	1035635	13.99%	1.341%
31	7.122	899	904	920	rBV	164730	342305	4.62%	0.443%
32	7.293	927	936	945	rBV	3533504	4469403	60.36%	5.787%
33	7.438	958	963	967	rVV2	143258	190167	2.57%	0.246%
34	7.470	967	969	976	rVB2	78981	90014	1.22%	0.117%

LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13797.D
Acq On : 13 Oct 2009 5:23 pm
Operator : sheilac
Sample : t39513-3
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 15 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 23000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\ej615mg.m
Title :

35	7.577	985	989	998	rVB3	50107	107742	1.46%	0.140%
36	7.807	1026	1032	1036	rBV	131290	201790	2.73%	0.261%
37	7.994	1061	1067	1081	rVB3	59489	154226	2.08%	0.200%
38	8.122	1082	1091	1099	rBV2	161645	267024	3.61%	0.346%
39	8.358	1120	1135	1140	rBV	3303303	5156497	69.64%	6.677%
40	8.411	1140	1145	1151	rVV	3613559	5080701	68.62%	6.579%
41	8.481	1154	1158	1168	rVB	120174	196467	2.65%	0.254%
42	8.630	1177	1186	1192	rBV3	206120	348383	4.71%	0.451%
43	8.711	1194	1201	1213	rBV	933921	1480261	19.99%	1.917%
44	9.326	1309	1316	1329	rVB	893921	1443252	19.49%	1.869%
45	9.427	1329	1335	1339	rBV2	92818	172490	2.33%	0.223%
46	9.486	1343	1346	1352	rVB2	96389	142545	1.93%	0.185%
47	9.572	1358	1362	1369	rVB3	95762	167275	2.26%	0.217%
48	9.641	1369	1375	1381	rVB2	74650	135031	1.82%	0.175%
49	9.796	1396	1404	1411	rBV	2387062	3919246	52.93%	5.075%
50	9.850	1411	1414	1428	rVB	138935	249067	3.36%	0.323%
51	10.026	1440	1447	1460	rBV6	42534	106640	1.44%	0.138%
52	10.149	1463	1470	1475	rBV	144580	223259	3.02%	0.289%
53	10.379	1505	1513	1520	rVB6	44357	97710	1.32%	0.127%
54	10.460	1520	1528	1533	rBV6	38685	83317	1.13%	0.108%
55	10.540	1538	1543	1554	rVB4	37187	86573	1.17%	0.112%
56	10.968	1618	1623	1632	rBV	94675	175823	2.37%	0.228%
57	11.134	1643	1654	1659	rBV2	2701427	4868454	65.75%	6.304%
58	11.171	1659	1661	1670	rVV	598609	859354	11.61%	1.113%
59	11.251	1670	1676	1692	rVB4	85885	235277	3.18%	0.305%
60	11.652	1743	1751	1756	rBV	533330	956461	12.92%	1.239%
61	11.700	1756	1760	1769	rVV	148804	303004	4.09%	0.392%
62	11.791	1769	1777	1782	rVV3	92721	204507	2.76%	0.265%
63	11.840	1782	1786	1797	rVV	80166	194236	2.62%	0.252%
64	11.930	1797	1803	1818	rVB	184686	476797	6.44%	0.617%
65	12.262	1853	1865	1873	rBV4	153410	445154	6.01%	0.576%
66	12.374	1879	1886	1891	rBV3	70961	126165	1.70%	0.163%
67	12.423	1891	1895	1904	rVB4	47935	90718	1.23%	0.117%
68	12.647	1932	1937	1944	rBV4	64372	141026	1.90%	0.183%
69	13.444	2081	2086	2093	rVB4	69299	113814	1.54%	0.147%
70	13.621	2113	2119	2134	rBV2	109480	282164	3.81%	0.365%
71	14.075	2197	2204	2214	rBV	82341	161013	2.17%	0.208%

LSC Area Percent Report

```
Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13797.D
Acq On    : 13 Oct 2009   5:23 pm
Operator  : sheilac
Sample    : t39513-3
Misc      : op13230,Ej633,1000,,,1,1,water
ALS Vial  : 15   Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON                            Filtering: 5
Sampling  : 1                              Min Area: 23000 Area counts
Start Thrs: 0.2                           Max Peaks: 100
Stop Thrs : 0                        Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method    : C:\msdchem\1\METHODS\ej615mg.m
Title     :
```

72	14.503	2268	2284	2299	rBV	2995330	5260605	71.05%	6.812%
73	14.813	2331	2342	2351	rBV3	35308	85731	1.16%	0.111%
74	16.648	2675	2685	2709	rBV	1997741	3908485	52.79%	5.061%
75	19.456	3198	3210	3229	rBV	1197524	2634943	35.59%	3.412%

Sum of corrected areas: 77225644

8.1.6

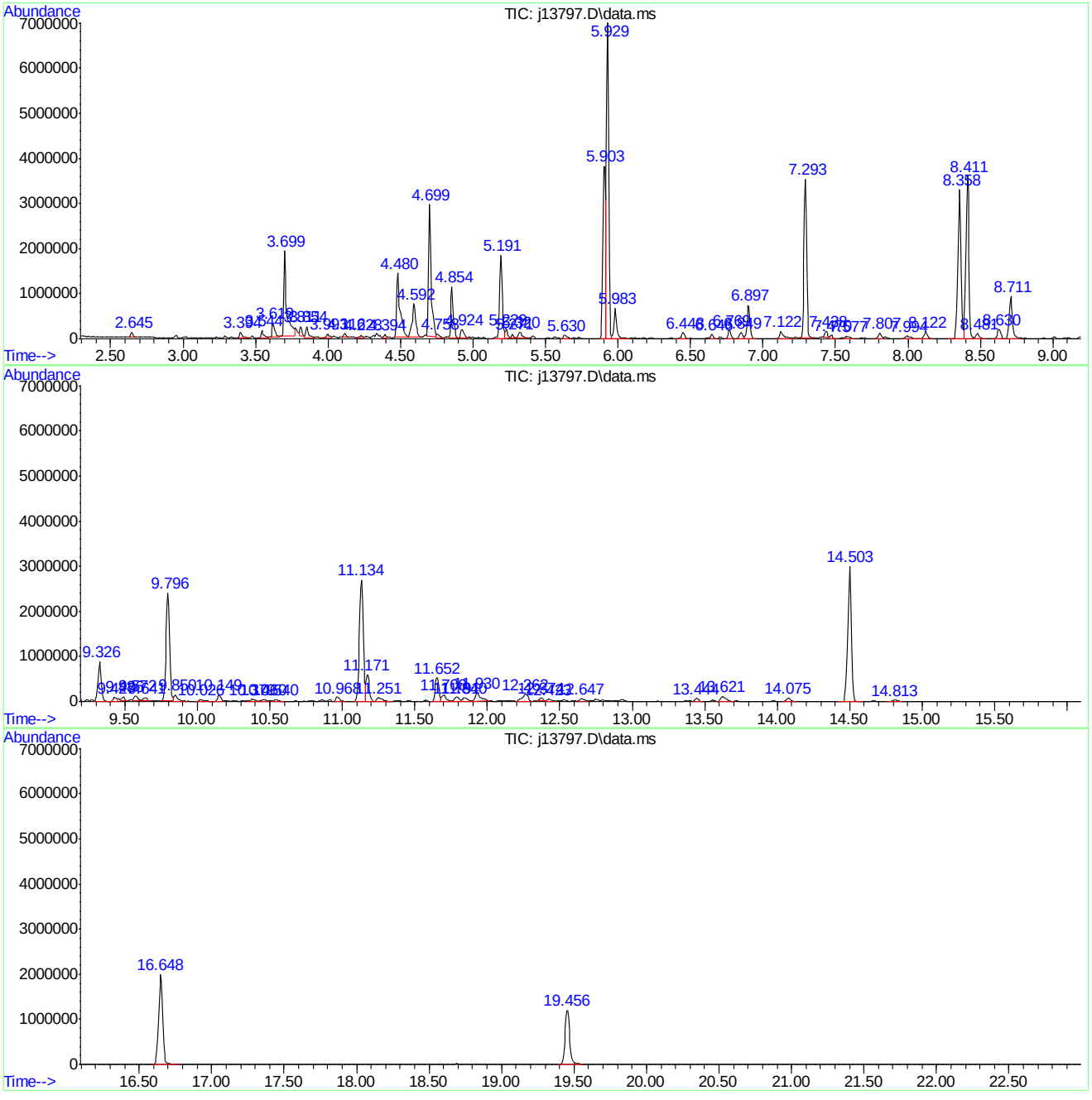
8

LSC Report - Integrated Chromatogram

```
Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13797.D
Acq On    : 13 Oct 2009   5:23 pm
Operator  : sheilac
Sample    : t39513-3
Misc      : op13230,Ej633,1000,,,1,1,water
ALS Vial  : 15   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
```



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13797.D
Acq On : 13 Oct 2009 5:23 pm
Operator : sheilac
Sample : t39513-3
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 15 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

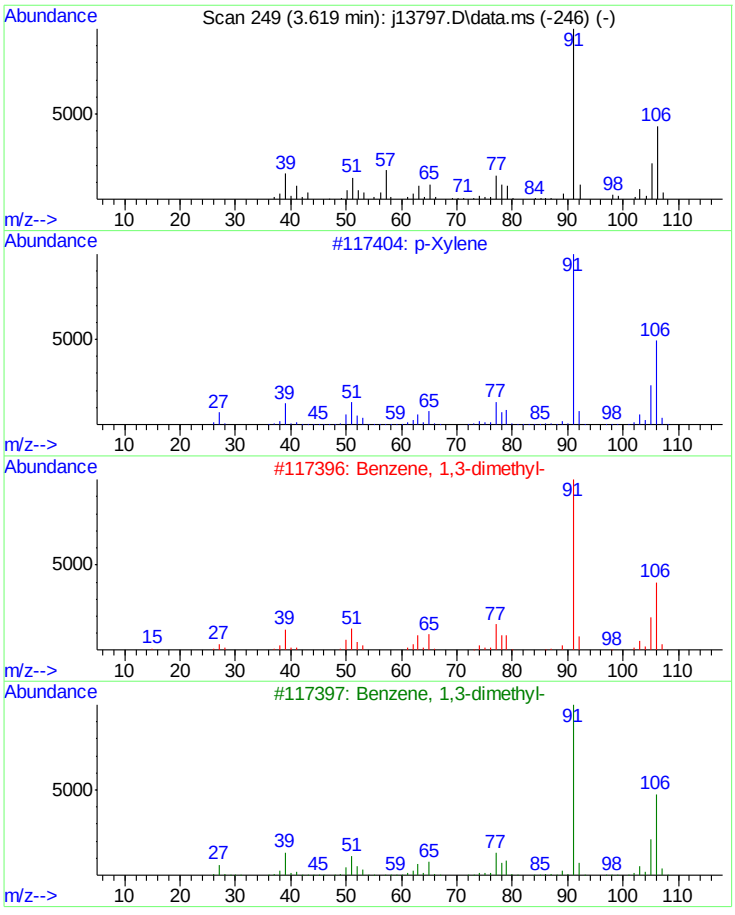
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

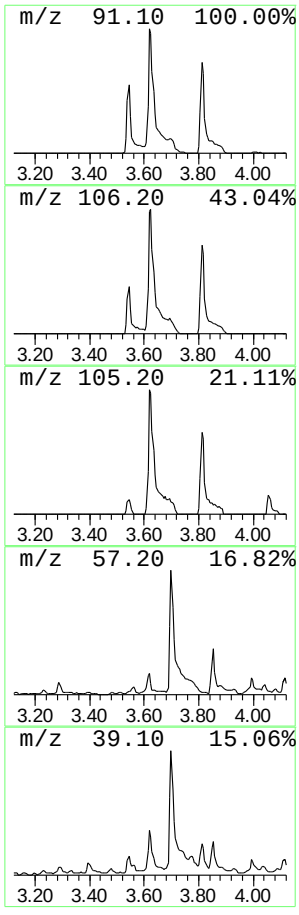
****

Peak Number 1 p-Xylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.619	4.68 ug/ml	401491	1,4-Dichlorobenzene-d4	4.699

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Xylene	106	C8H10	000106-42-3	95
2	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	95
3	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	95
4	Benzene, 1,2-dimethyl-	106	C8H10	000095-47-6	95
5	Benzene, 1,2-dimethyl-	106	C8H10	000095-47-6	94





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13797.D
Acq On : 13 Oct 2009 5:23 pm
Operator : sheilac
Sample : t39513-3
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 15 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

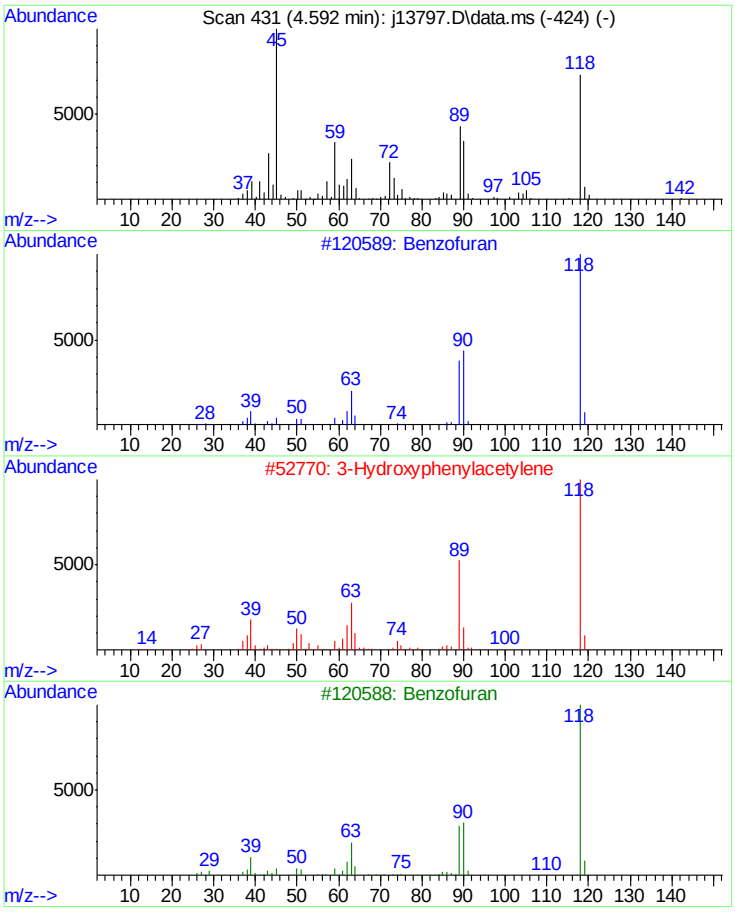
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

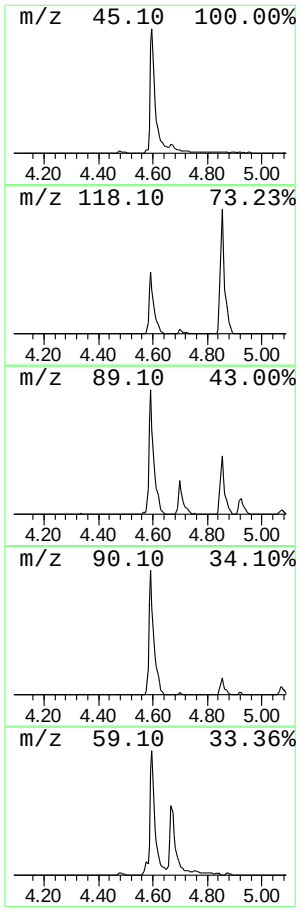
****

Peak Number 2 Benzofuran Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.592	14.68 ug/ml	1259750	1,4-Dichlorobenzene-d4	4.699

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran	118	C8H6O	000271-89-6	43
2	3-Hydroxyphenylacetylene	118	C8H6O	010401-11-3	38
3	Benzofuran	118	C8H6O	000271-89-6	38
4	1H-Indazole	118	C7H6N2	000271-44-3	38
5	3-Pyridineacetonitrile	118	C7H6N2	006443-85-2	25





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13797.D
Acq On : 13 Oct 2009 5:23 pm
Operator : sheilac
Sample : t39513-3
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 15 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

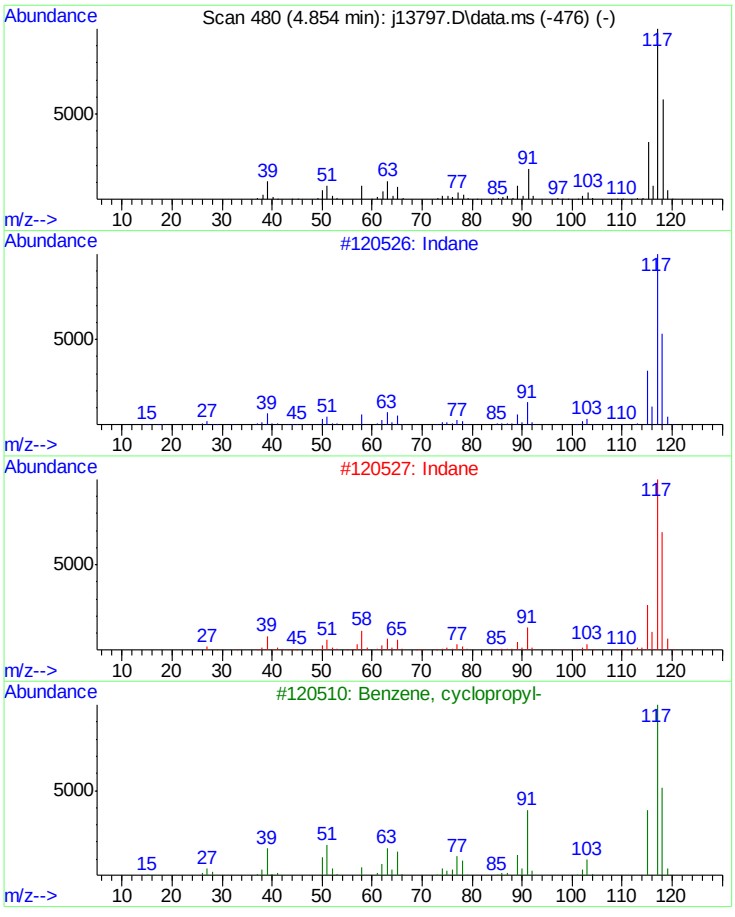
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

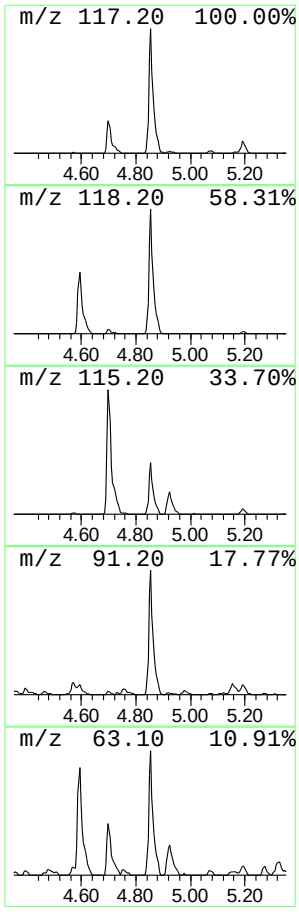
****

Peak Number 3 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.854	15.39 ug/ml	1320730	1,4-Dichlorobenzene-d4	4.699

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Indane	118	C9H10	000496-11-7	81
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	68
5	Indane	118	C9H10	000496-11-7	64





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13797.D
Acq On : 13 Oct 2009 5:23 pm
Operator : sheilac
Sample : t39513-3
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 15 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

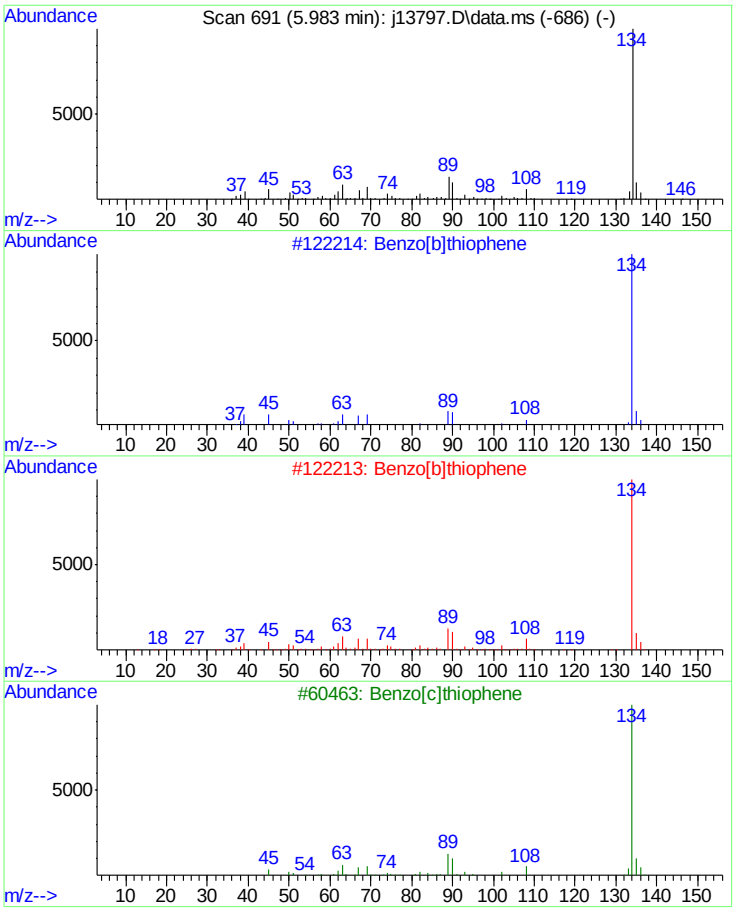
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

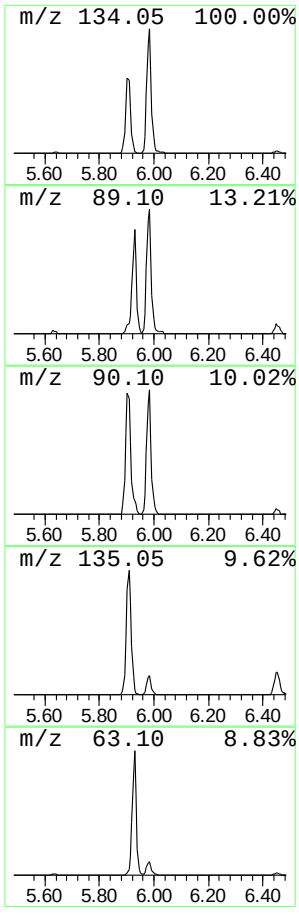
****

Peak Number 4 Benzo[b]thiophene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.983	8.16 ug/ml	951047	Naphthalene-d8	5.903

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene	134	C8H6S	000095-15-8	95
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	95
3	Benzo[c]thiophene	134	C8H6S	000270-82-6	95
4	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	94





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13797.D
Acq On : 13 Oct 2009 5:23 pm
Operator : sheilac
Sample : t39513-3
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 15 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
p-Xylene	3.619	4.7	ug/ml	401491	1	4.699	3432700	40.0
Benzofuran	4.592	14.7	ug/ml	1259750	1	4.699	3432700	40.0
Indane	4.854	15.4	ug/ml	1320730	1	4.699	3432700	40.0
Benzo[b]thiophene	5.983	8.2	ug/ml	951047	2	5.903	4664790	40.0

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/19/09 17:08

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13798.D
Acq On : 13 Oct 2009 5:52 pm
Operator : sheilac
Sample : t39513-4
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 14 11:08:25 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Tue Oct 13 13:17:41 2009
Response via : Initial Calibration

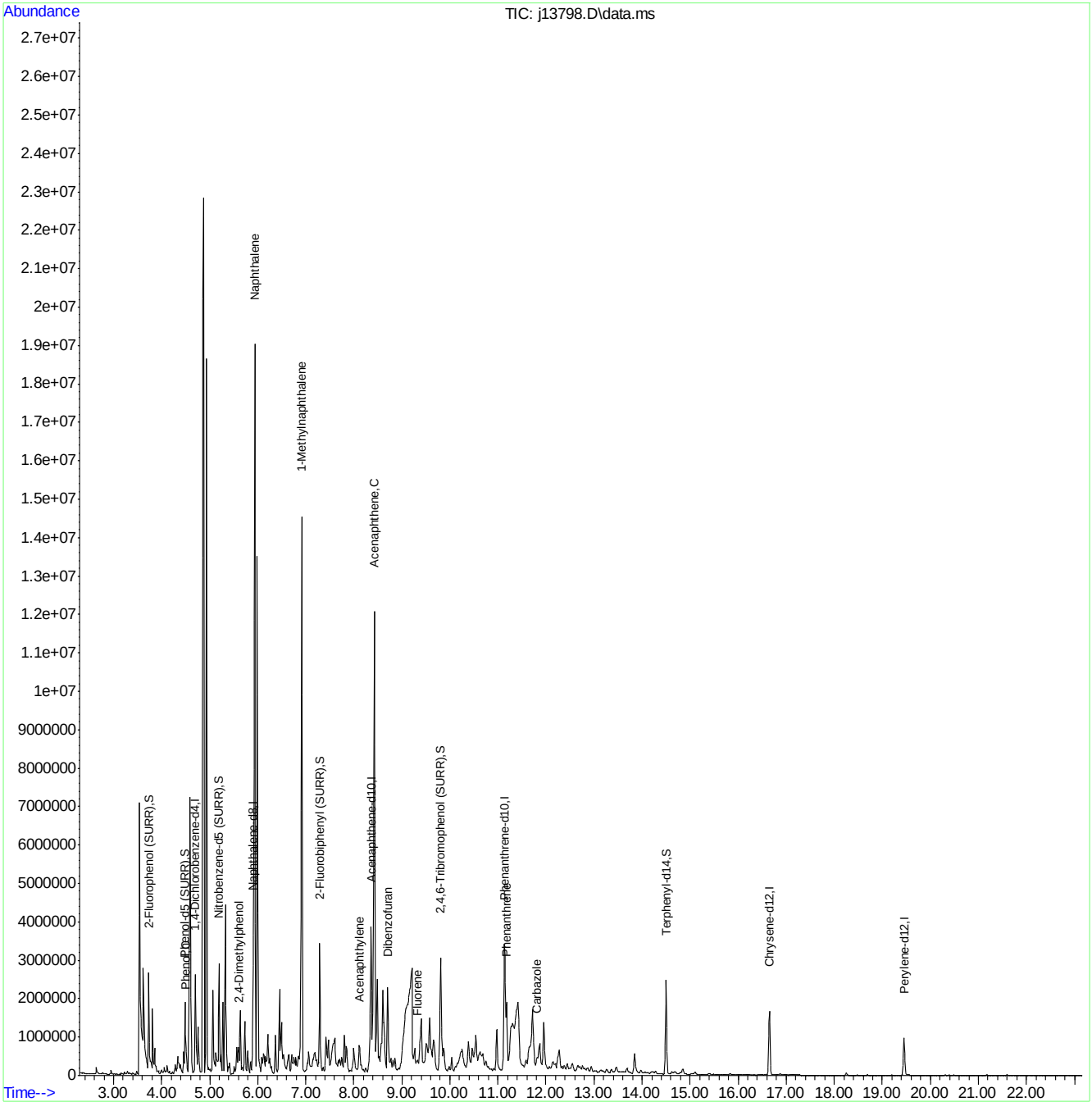
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.699	152	493610	40.00	ug/ml	-0.03
20) Naphthalene-d8	5.908	136	1961240	40.00	ug/ml	-0.04
36) Acenaphthene-d10	8.358	164	1104127	40.00	ug/ml	-0.06
57) Phenanthrene-d10	11.139	188	1593351	40.00	ug/ml	-0.06
71) Chrysene-d12	16.653	240	1170862	40.00	ug/ml	-0.08
80) Perylene-d12	19.451	264	754073	40.00	ug/ml	-0.07
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.731	112	777049	50.16	ug/ml	0.06
Spiked Amount 100.000	Range 10 - 66		Recovery = 50.16%			
5) Phenol-d5 (SURR)	4.485	99	751387	38.81	ug/ml	-0.01
Spiked Amount 100.000	Range 10 - 53		Recovery = 38.81%			
21) Nitrobenzene-d5 (SURR)	5.197	82	685615	33.34	ug/ml	-0.10
Spiked Amount 50.000	Range 29 - 115		Recovery = 66.68%			
40) 2-Fluorobiphenyl (SURR)	7.293	172	1286752	28.95	ug/ml	-0.25
Spiked Amount 50.000	Range 34 - 113		Recovery = 57.90%			
62) 2,4,6-Tribromophenol (...	9.807	330	445874	83.17	ug/ml	-0.16
Spiked Amount 100.000	Range 32 - 128		Recovery = 83.17%			
74) Terphenyl-d14	14.503	244	1190053	42.57	ug/ml	-0.09
Spiked Amount 50.000	Range 12 - 145		Recovery = 85.14%			
Target Compounds						Qvalue
6) Phenol	4.496	94	50238	2.40	ug/ml#	44
25) 2,4-Dimethylphenol	5.603	122	174289m	11.35	ug/ml	
30) Naphthalene	5.940	128	11174095	209.19	ug/ml	99
35) 1-Methylnaphthalene	6.919	142	5601331	163.88	ug/ml	99
44) Acenaphthylene	8.112	152	294785	5.64	ug/ml	96
47) Acenaphthene	8.433	154	4692643	152.75	ug/ml	99
50) Dibenzofuran	8.711	168	273236	6.23	ug/ml	98
54) Fluorene	9.331	166	62286	1.63	ug/ml#	71
66) Phenanthrene	11.182	178	1011486	21.31	ug/ml	98
68) Carbazole	11.807	167	75439	2.05	ug/ml#	51

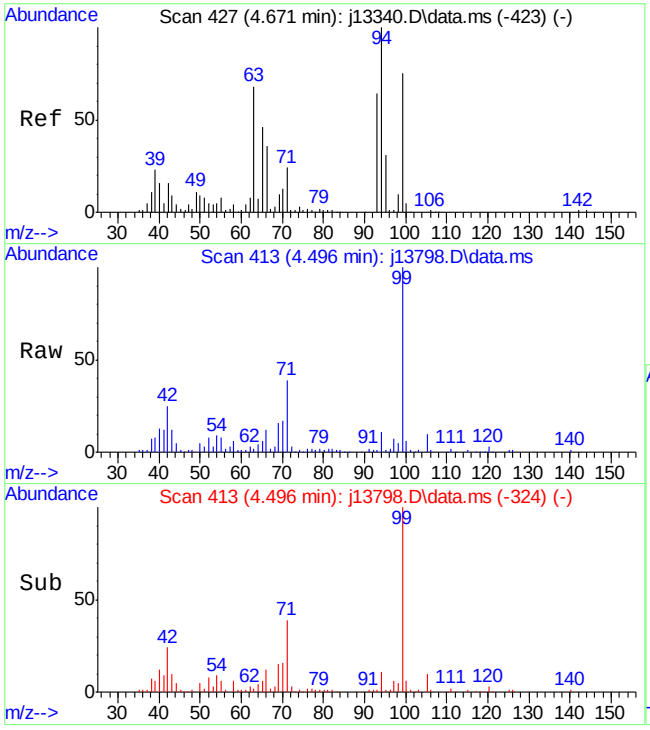
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13798.D
Acq On : 13 Oct 2009 5:52 pm
Operator : sheilac
Sample : t39513-4
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 14 11:08:25 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Tue Oct 13 13:17:41 2009
Response via : Initial Calibration

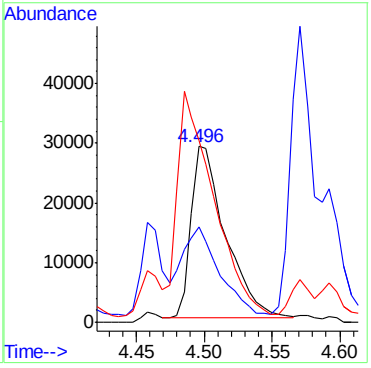


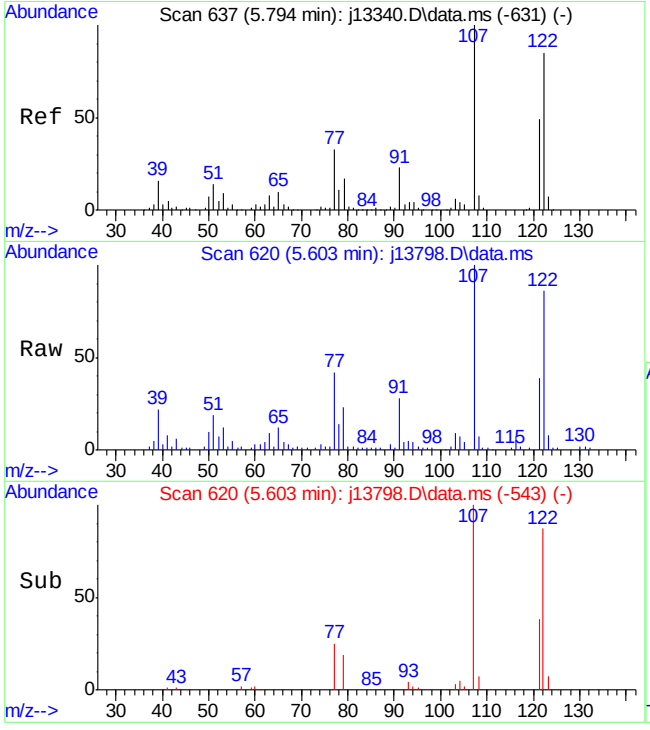


#6
Phenol
Concen: 2.40 ug/ml
RT: 4.496 min Scan# 413
Delta R.T. -0.023 min
Lab File: j13798.D
Acq: 13 Oct 2009 5:52 pm

Tgt Ion: 94 Resp: 50238

Ion	Ratio	Lower	Upper
94	100		
65	55.5	35.3	75.3
66	137.9	37.4	77.4#

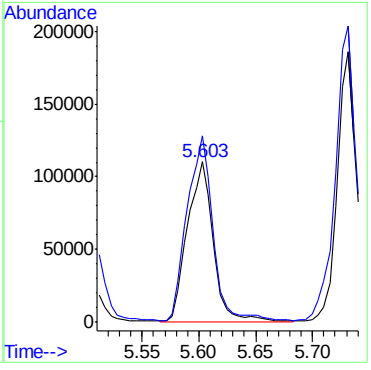


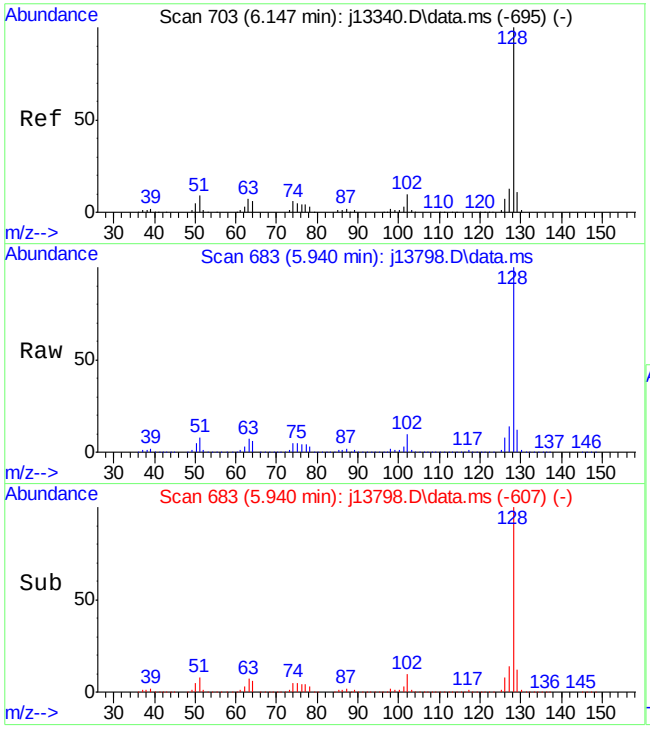


#25
2,4-Dimethylphenol
Concen: 11.35 ug/ml m
RT: 5.603 min Scan# 620
Delta R.T. -0.090 min
Lab File: j13798.D
Acq: 13 Oct 2009 5:52 pm

Tgt Ion:122 Resp: 174289

Ion	Ratio	Lower	Upper
122	100		
107	155.1	96.7	136.7#

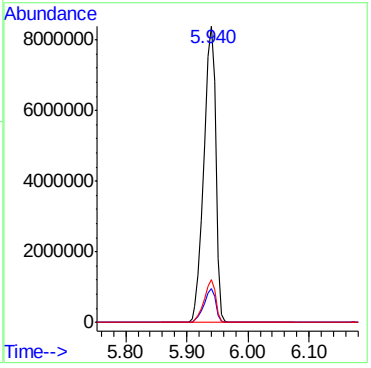


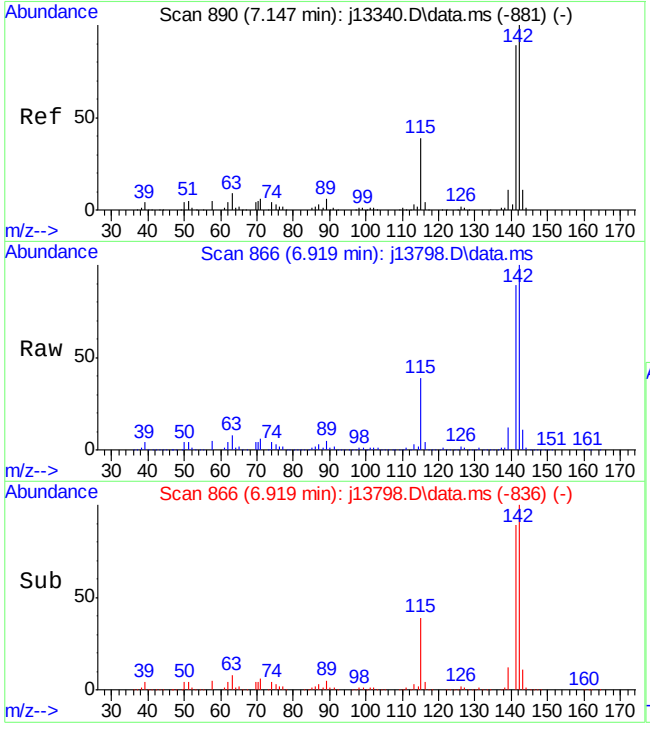


#30
Naphthalene
Concen: 209.19 ug/ml
RT: 5.940 min Scan# 683
Delta R.T. -0.094 min
Lab File: j13798.D
Acq: 13 Oct 2009 5:52 pm

Tgt Ion:128 Resp:11174095

Ion	Ratio	Lower	Upper
128	100		
129	11.2	0.0	30.9
127	13.7	0.0	33.4

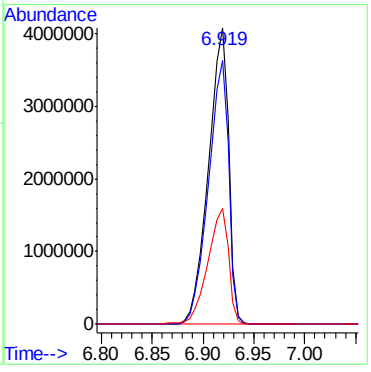




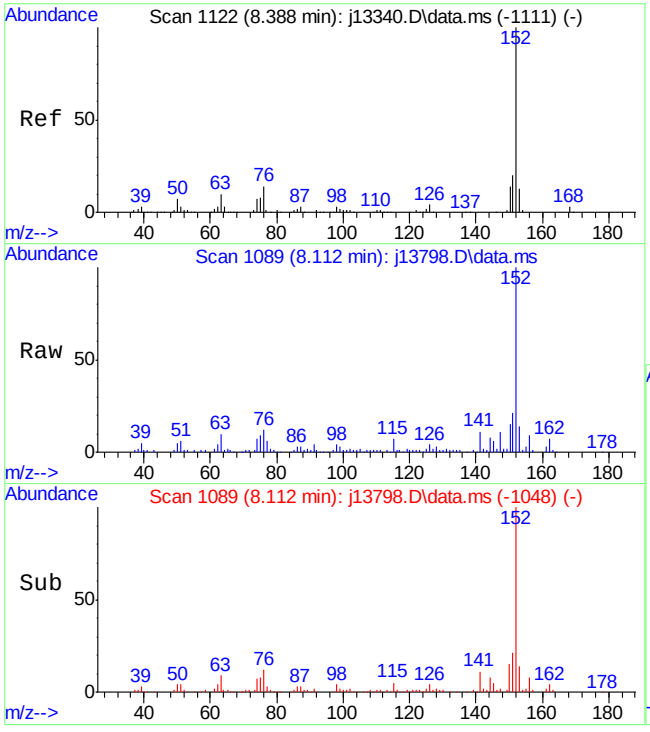
#35
1-Methylnaphthalene
Concen: 163.88 ug/ml
RT: 6.919 min Scan# 866
Delta R.T. -0.037 min
Lab File: j13798.D
Acq: 13 Oct 2009 5:52 pm

Tgt Ion:142 Resp: 5601331

Ion	Ratio	Lower	Upper
142	100		
141	89.1	69.4	109.4
115	40.3	18.9	58.9



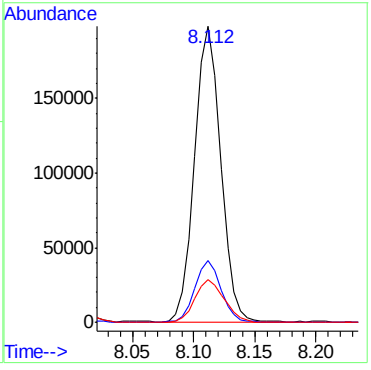
8.1.7
8

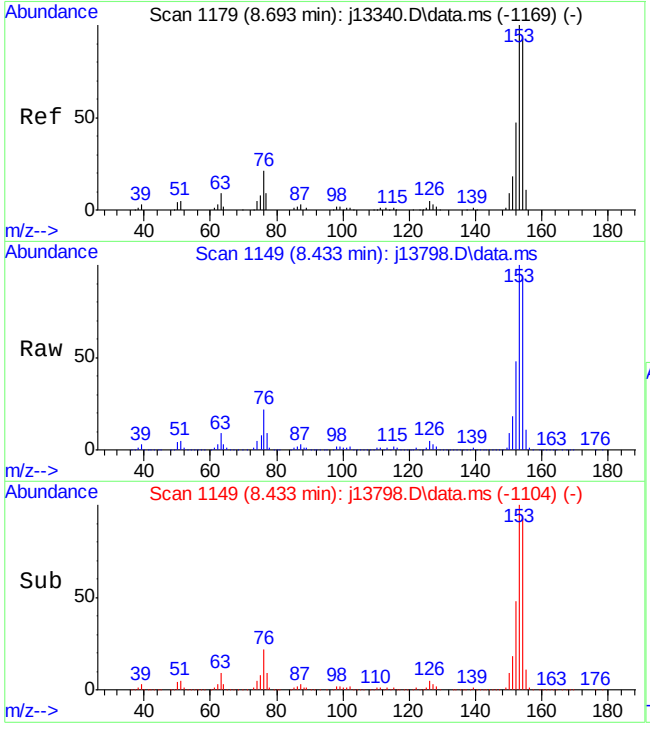


#44
Acenaphthylene
Concen: 5.64 ug/ml
RT: 8.112 min Scan# 1089
Delta R.T. -0.282 min
Lab File: j13798.D
Acq: 13 Oct 2009 5:52 pm

Tgt Ion:152 Resp: 294785

Ion	Ratio	Lower	Upper
152	100		
151	20.9	0.2	40.2
153	16.0	0.0	33.0

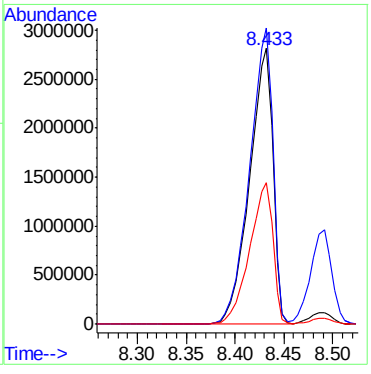


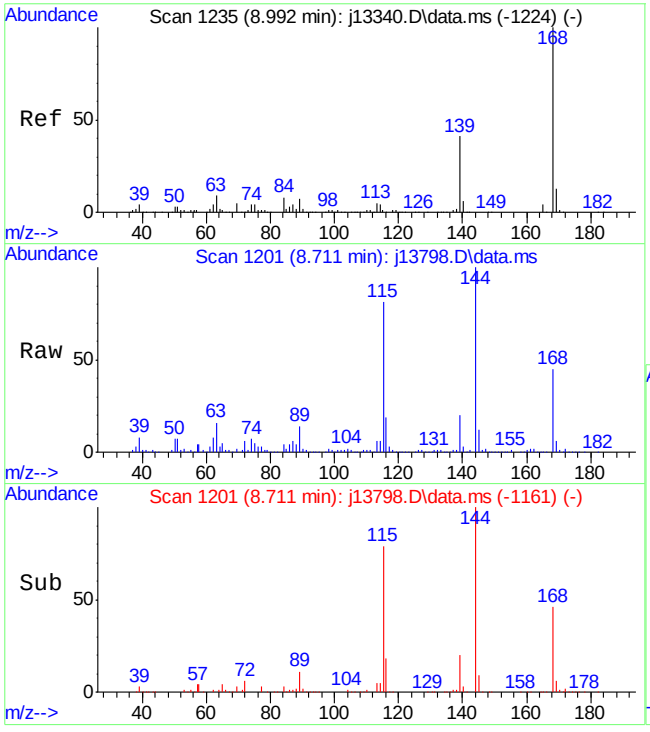


#47
Acenaphthene
Concen: 152.75 ug/ml
RT: 8.433 min Scan# 1149
Delta R.T. -0.261 min
Lab File: j13798.D
Acq: 13 Oct 2009 5:52 pm

Tgt Ion:154 Resp: 4692643

Ion	Ratio	Lower	Upper
154	100		
153	107.1	87.9	127.9
152	51.3	31.3	71.3

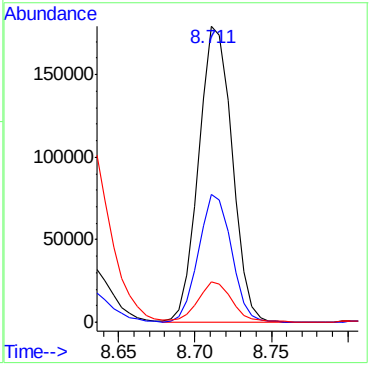


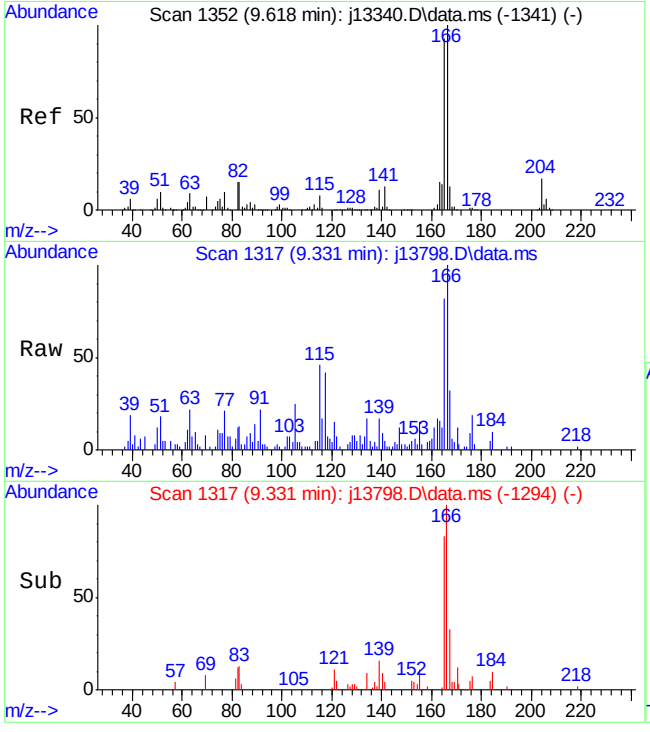


#50
Dibenzofuran
Concen: 6.23 ug/ml
RT: 8.711 min Scan# 1201
Delta R.T. -0.287 min
Lab File: j13798.D
Acq: 13 Oct 2009 5:52 pm

Tgt Ion:168 Resp: 273236

Ion	Ratio	Lower	Upper
168	100		
139	42.6	21.2	61.2
169	14.1	0.0	33.2

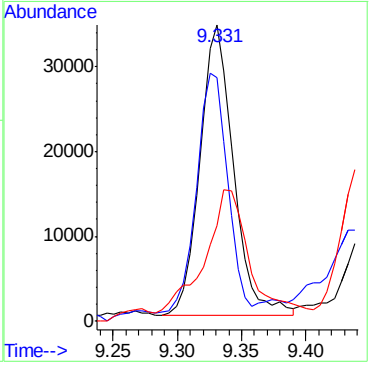


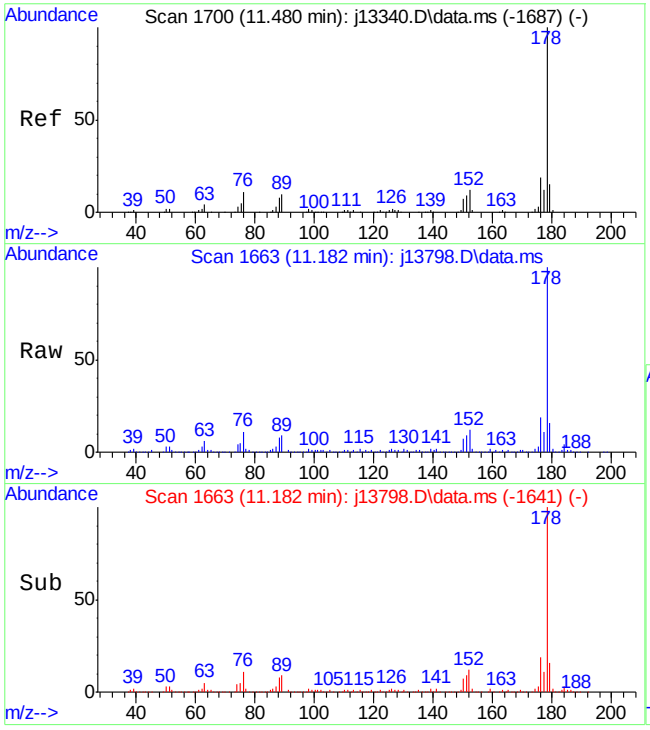


#54
Fluorene
Concen: 1.63 ug/ml
RT: 9.331 min Scan# 1317
Delta R.T. -0.075 min
Lab File: j13798.D
Acq: 13 Oct 2009 5:52 pm

Tgt Ion:166 Resp: 62286

Ion	Ratio	Lower	Upper
166	100		
165	76.0	73.8	113.8
167	54.7	0.0	33.3#

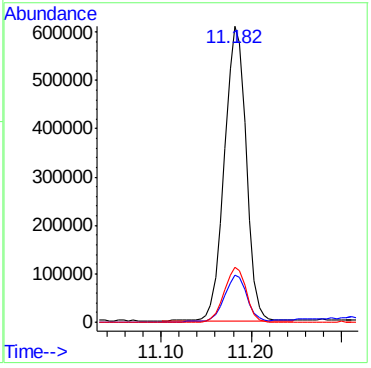


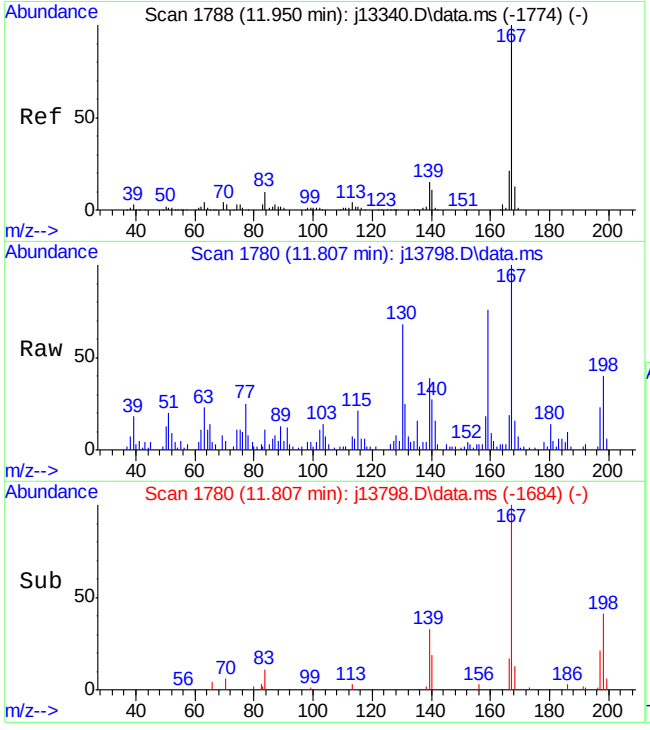


#66
Phenanthrene
Concen: 21.31 ug/ml
RT: 11.182 min Scan# 1663
Delta R.T. -0.080 min
Lab File: j13798.D
Acq: 13 Oct 2009 5:52 pm

Tgt Ion:178 Resp: 1011486

Ion	Ratio	Lower	Upper
178	100		
179	16.6	0.0	35.2
176	18.4	0.0	39.2

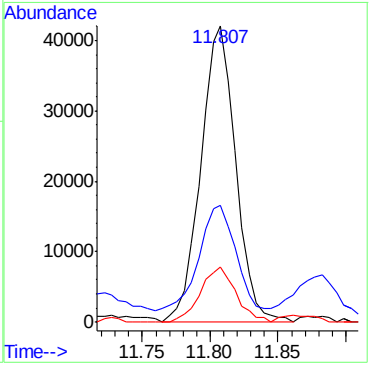




#68
Carbazole
Concen: 2.05 ug/ml
RT: 11.807 min Scan# 1780
Delta R.T. 0.014 min
Lab File: j13798.D
Acq: 13 Oct 2009 5:52 pm

Tgt Ion:167 Resp: 75439

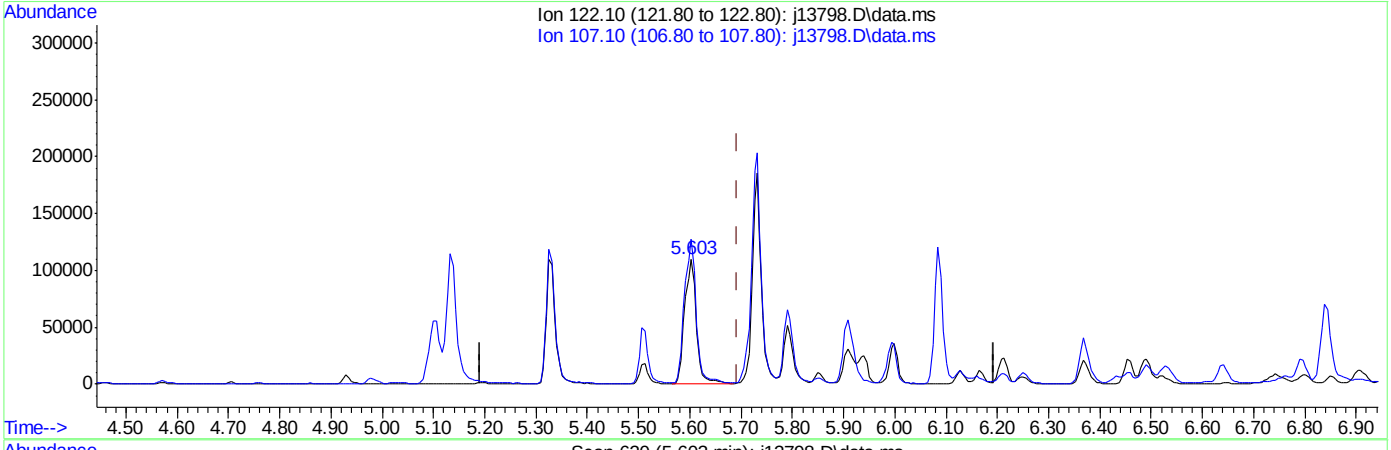
Ion	Ratio	Lower	Upper
167	100		
139	36.5	0.0	34.1#
166	0.0	0.9	40.9#

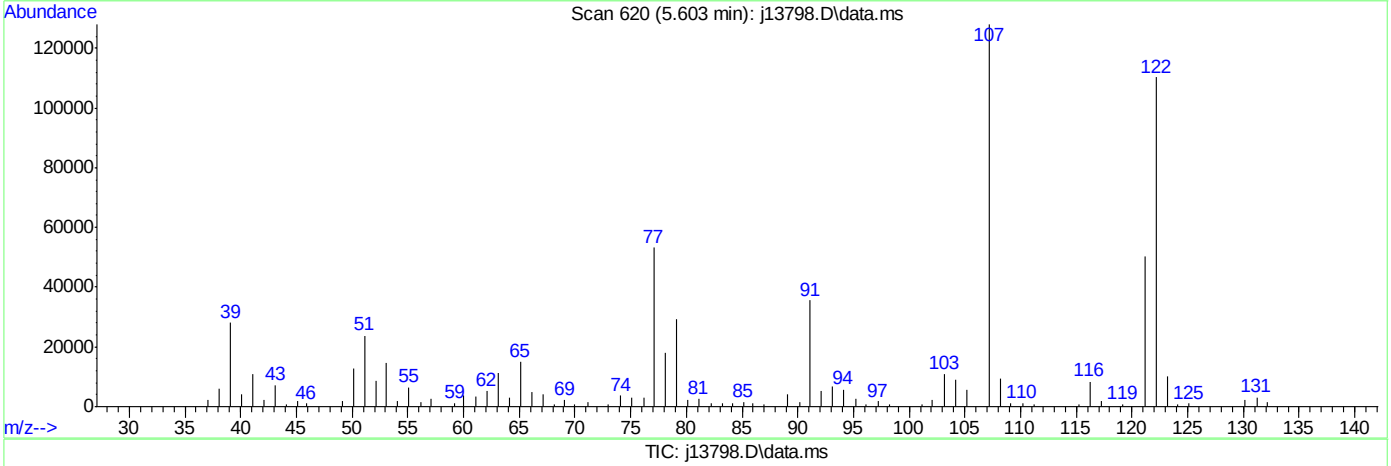


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13798.D
Acq On : 13 Oct 2009 5:52 pm
Operator : sheilac
Sample : t39513-4
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 14 11:08:25 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Tue Oct 13 13:17:41 2009
Response via : Initial Calibration





TIC: j13798.D\data.ms

(25) 2,4-Dimethylphenol

5.603min (-0.090) 11.35ug/ml m

response 174289

Ion	Exp%	Act%
122.10	100	100
107.10	116.70	155.11#
0.00	0.00	0.00
0.00	0.00	0.00

LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13798.D
Acq On : 13 Oct 2009 5:52 pm
Operator : sheilac
Sample : t39513-4
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 16 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 23000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\ej615mg.m
Title :

Signal : TIC: j13798.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.539	231	234	246	rBV	7069242	10911027	28.14%	3.404%
2	3.619	246	249	267	rVB	2646914	5259709	13.57%	1.641%
3	3.731	267	270	276	rBV	2482547	2238384	5.77%	0.698%
4	3.811	282	285	290	rBV	1558192	1428809	3.69%	0.446%
5	3.854	290	293	302	rVB	608800	793593	2.05%	0.248%
6	4.458	403	406	408	rBV	548747	505491	1.30%	0.158%
7	4.485	408	411	423	rVV	1850712	2865023	7.39%	0.894%
8	4.571	423	427	428	rVV	2848093	2514106	6.48%	0.784%
9	4.592	428	431	441	rVB	7162482	9264080	23.90%	2.890%
10	4.699	447	451	459	rBV	2496267	3260182	8.41%	1.017%
11	4.758	459	462	471	rVB	1189180	1537784	3.97%	0.480%
12	4.870	475	483	489	rVB	22759184	38769079	100.00%	12.096%
13	4.935	489	495	501	rBV	18581936	20005229	51.60%	6.242%
14	5.068	515	520	525	rBV	2077214	2385447	6.15%	0.744%
15	5.132	529	532	536	rVV2	459731	668483	1.72%	0.209%
16	5.197	540	544	548	rVV	2803792	3386646	8.74%	1.057%
17	5.229	548	550	554	rVB2	441753	441900	1.14%	0.138%
18	5.271	554	558	563	rBV	1809784	1872135	4.83%	0.584%
19	5.325	563	568	577	rVB	4336503	6339119	16.35%	1.978%
20	5.566	608	613	615	rVV	654655	745652	1.92%	0.233%
21	5.603	615	620	622	rVV2	637940	1057060	2.73%	0.330%
22	5.635	622	626	632	rVB2	1570700	2162756	5.58%	0.675%
23	5.731	638	644	651	rBV2	1283525	1683474	4.34%	0.525%
24	5.790	651	655	663	rVB2	578022	966882	2.49%	0.302%
25	5.940	670	683	687	rBV2	18905755	29747968	76.73%	9.282%
26	5.994	687	693	702	rVB	13277508	15259762	39.36%	4.761%
27	6.084	707	710	712	rBV	388768	414259	1.07%	0.129%
28	6.127	712	718	722	rVV2	401645	843361	2.18%	0.263%
29	6.165	722	725	728	rVV	317597	415700	1.07%	0.130%
30	6.213	729	734	739	rVV2	880995	1422295	3.67%	0.444%
31	6.368	757	763	770	rBV	991453	1357796	3.50%	0.424%
32	6.454	770	779	782	rVV2	2166808	3061207	7.90%	0.955%
33	6.491	782	786	791	rVV3	1295617	2263696	5.84%	0.706%
34	6.534	791	794	806	rVV6	460810	1154775	2.98%	0.360%

LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13798.D
Acq On : 13 Oct 2009 5:52 pm
Operator : sheilac
Sample : t39513-4
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 16 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 23000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\ej615mg.m
Title :

35	6.646	806	815	821	rVB5	445693	1130537	2.92%	0.353%
36	6.705	821	826	830	rBV	443211	665635	1.72%	0.208%
37	6.758	833	836	840	rVV	352534	552885	1.43%	0.173%
38	6.796	840	843	848	rVV2	345807	542530	1.40%	0.169%
39	6.849	848	853	855	rVV4	367872	614047	1.58%	0.192%
40	6.919	855	866	871	rVB	14397153	21115033	54.46%	6.588%
41	7.063	889	893	898	rVB4	398590	608239	1.57%	0.190%
42	7.186	911	916	921	rVB5	252493	597736	1.54%	0.186%
43	7.293	927	936	945	rVB	3324036	4669295	12.04%	1.457%
44	7.422	954	960	965	rBV4	873345	1789523	4.62%	0.558%
45	7.470	965	969	975	rVB3	669938	1037062	2.67%	0.324%
46	7.571	976	988	990	rBV5	575566	1589228	4.10%	0.496%
47	7.807	1026	1032	1036	rVV2	881461	1446083	3.73%	0.451%
48	7.850	1036	1040	1050	rVB2	659589	1194527	3.08%	0.373%
49	7.999	1058	1068	1075	rBV4	602275	1372271	3.54%	0.428%
50	8.117	1081	1090	1096	rBV2	646684	1306393	3.37%	0.408%
51	8.358	1122	1135	1140	rBV2	3751736	7806203	20.14%	2.436%
52	8.433	1140	1149	1153	rVV	11745294	20274476	52.30%	6.326%
53	8.486	1153	1159	1164	rVB	2074065	3432921	8.85%	1.071%
54	8.604	1177	1181	1185	rBV	1371922	1959479	5.05%	0.611%
55	8.705	1194	1200	1209	rBV2	2118218	3759605	9.70%	1.173%
56	8.769	1209	1212	1217	rVV2	288050	458789	1.18%	0.143%
57	8.818	1217	1221	1225	rVV	255773	416086	1.07%	0.130%
58	8.860	1225	1229	1234	rVB2	310269	456950	1.18%	0.143%
59	9.085	1246	1271	1272	rBV8	1614037	6400777	16.51%	1.997%
60	9.267	1300	1305	1309	rVB	404139	621045	1.60%	0.194%
61	9.401	1320	1330	1338	rBV	1157556	2839499	7.32%	0.886%
62	9.508	1344	1350	1358	rBV6	469051	1471931	3.80%	0.459%
63	9.577	1358	1363	1373	rVV	1194984	2769049	7.14%	0.864%
64	9.657	1373	1378	1395	rVB4	802856	2508330	6.47%	0.783%
65	9.807	1395	1406	1415	rBV4	2920301	6915023	17.84%	2.158%
66	9.871	1415	1418	1431	rVB4	605612	1145371	2.95%	0.357%
67	10.037	1444	1449	1457	rVB	353501	619190	1.60%	0.193%
68	10.385	1506	1514	1524	rBV2	671246	1622089	4.18%	0.506%
69	10.465	1524	1529	1534	rVV	419724	798725	2.06%	0.249%
70	10.545	1538	1544	1551	rVB3	660206	1422674	3.67%	0.444%
71	10.973	1618	1624	1642	rBV	1067191	2052276	5.29%	0.640%

LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13798.D
Acq On : 13 Oct 2009 5:52 pm
Operator : sheilac
Sample : t39513-4
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 16 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 23000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\ej615mg.m
Title :

72	11.139	1645	1655	1659	rBV2	3267414	6659782	17.18%	2.078%
73	11.182	1659	1663	1669	rVB	1539118	2786132	7.19%	0.869%
74	11.278	1671	1681	1682	rBV2	864088	1978250	5.10%	0.617%
75	11.652	1743	1751	1752	rBV5	428926	794042	2.05%	0.248%
76	11.717	1758	1763	1775	rVB2	1442325	3661254	9.44%	1.142%
77	11.813	1776	1781	1784	rVV2	246515	496260	1.28%	0.155%
78	11.866	1785	1791	1799	rVV2	628769	1560696	4.03%	0.487%
79	11.957	1801	1808	1824	rVB2	1222839	2762686	7.13%	0.862%
80	12.273	1856	1867	1875	rVB3	465951	1375079	3.55%	0.429%
81	12.551	1914	1919	1930	rVB5	197971	472526	1.22%	0.147%
82	13.845	2152	2161	2175	rBV4	514605	1235552	3.19%	0.386%
83	14.503	2275	2284	2296	rBV	2452136	4303656	11.10%	1.343%
84	16.653	2676	2686	2700	rVB	1659416	3318661	8.56%	1.035%
85	19.451	3199	3209	3221	rBV	962870	2114718	5.45%	0.660%

Sum of corrected areas: 320503675

LSC Report - Integrated Chromatogram

```
Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13798.D
Acq On    : 13 Oct 2009   5:52 pm
Operator  : sheilac
Sample    : t39513-4
Misc      : op13230,Ej633,1000,,,1,1,water
ALS Vial  : 16   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
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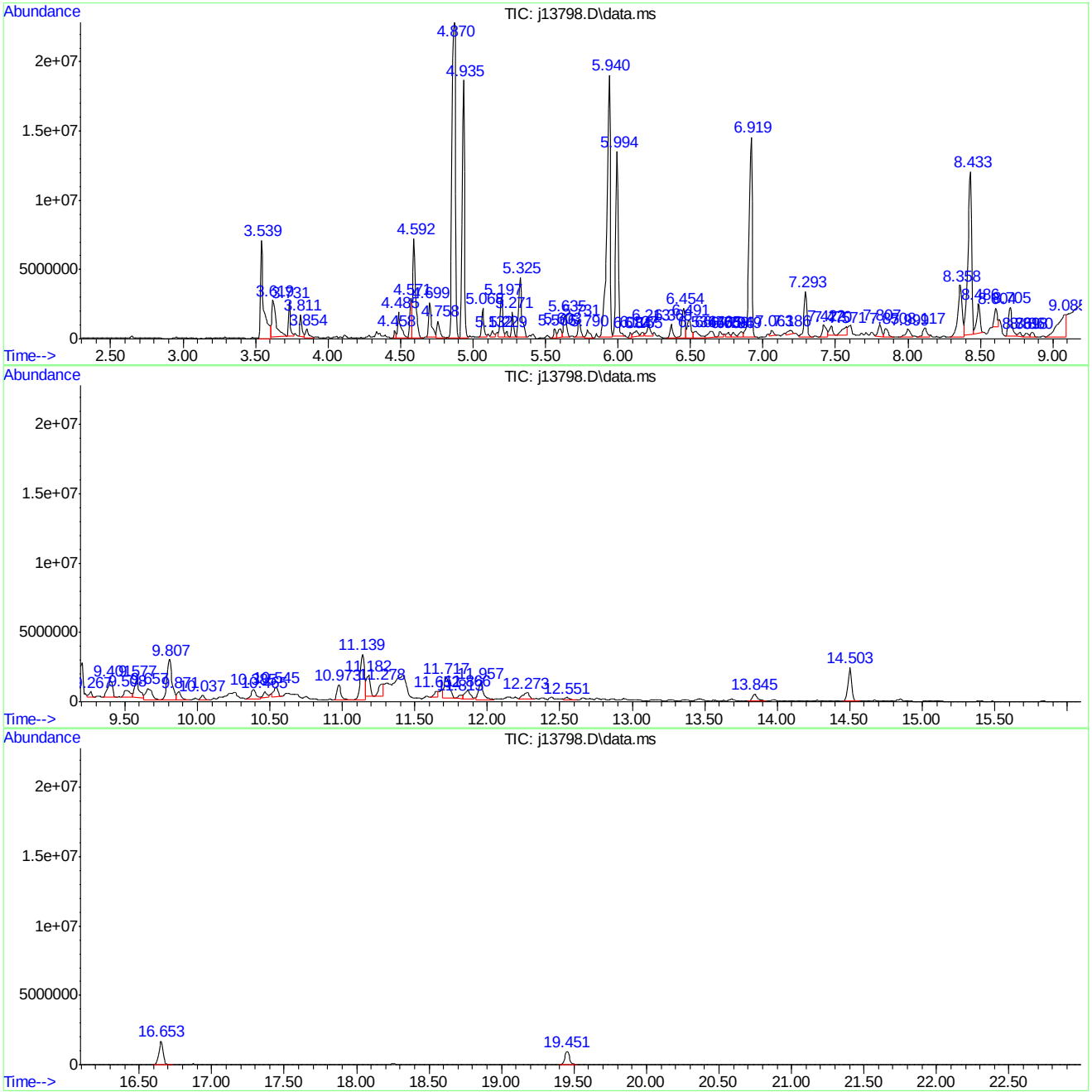


Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13798.D
Acq On : 13 Oct 2009 5:52 pm
Operator : sheilac
Sample : t39513-4
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 16 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

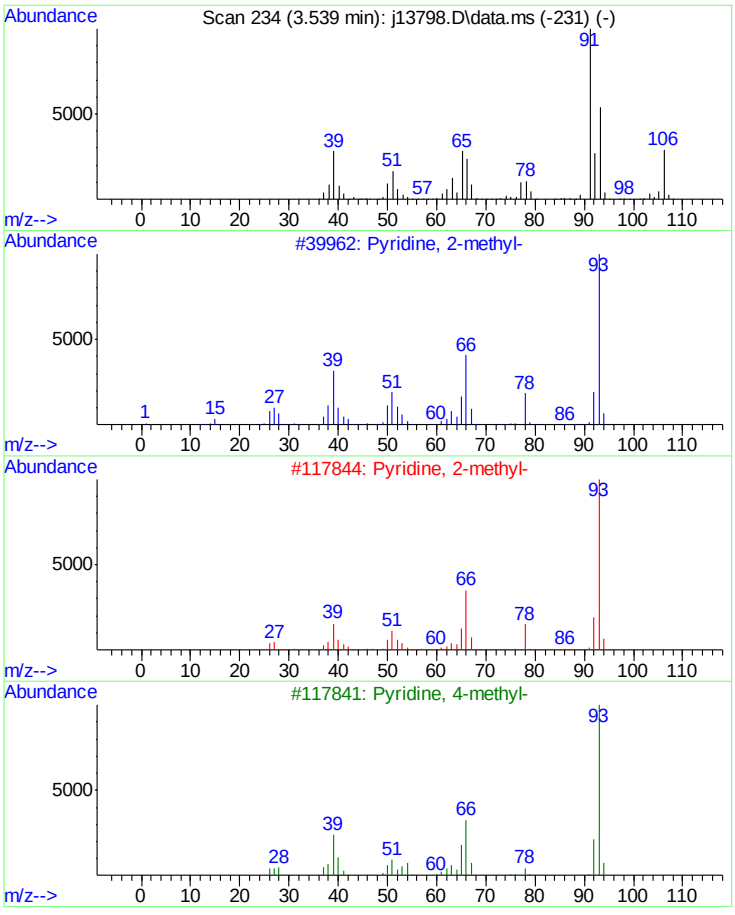
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

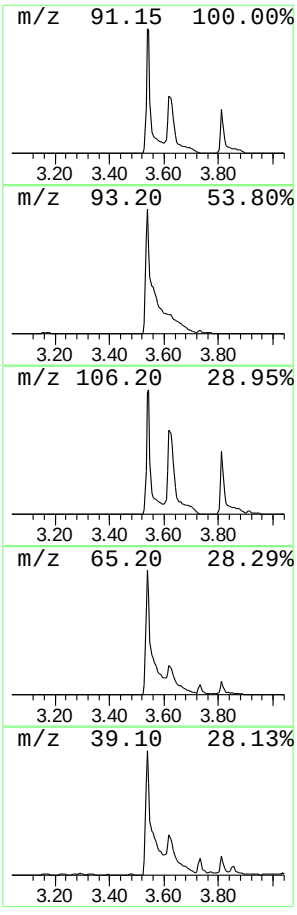
****

Peak Number 1 Pyridine, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.539	133.87 ug/ml	10911000	1,4-Dichlorobenzene-d4	4.699

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 2-methyl-	93	C6H7N	000109-06-8	64
2	Pyridine, 2-methyl-	93	C6H7N	000109-06-8	50
3	Pyridine, 4-methyl-	93	C6H7N	000108-89-4	50
4	Pyridine, 4-methyl-	93	C6H7N	000108-89-4	50
5	Pyridine, 2-methyl-	93	C6H7N	000109-06-8	50





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13798.D
Acq On : 13 Oct 2009 5:52 pm
Operator : sheilac
Sample : t39513-4
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 16 Sample Multiplier: 1

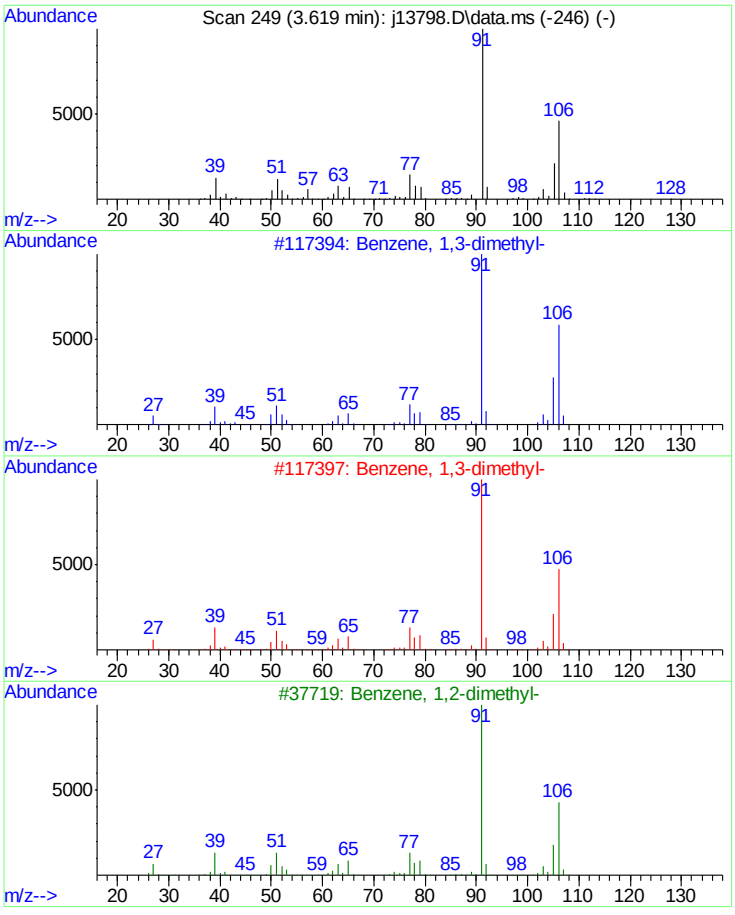
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

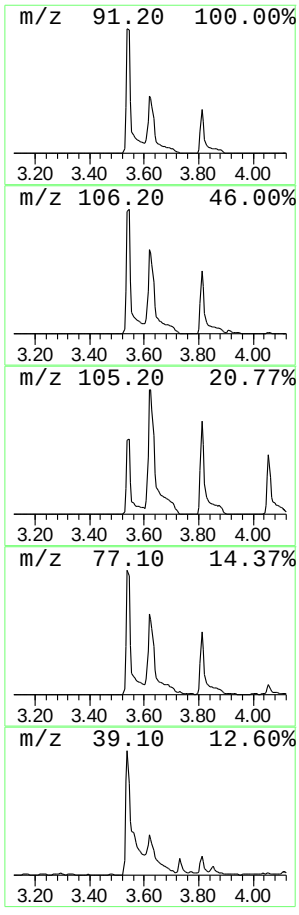
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Benzene, 1,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.619	64.53 ug/ml	5259710	1,4-Dichlorobenzene-d4	4.699

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
2	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
3	Benzene, 1,2-dimethyl-	106	C8H10	000095-47-6	97
4	p-Xylene	106	C8H10	000106-42-3	97
5	Benzene, 1,2-dimethyl-	106	C8H10	000095-47-6	95





ACCUTEST Laboratories T39513

Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13798.D
Acq On : 13 Oct 2009 5:52 pm
Operator : sheilac
Sample : t39513-4
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 16 Sample Multiplier: 1

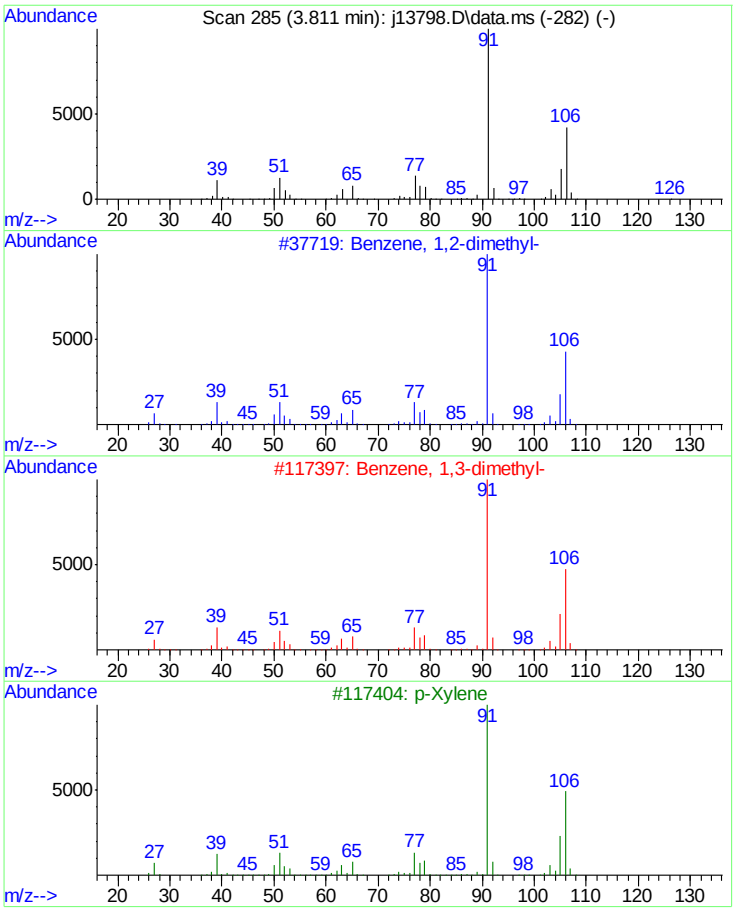
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

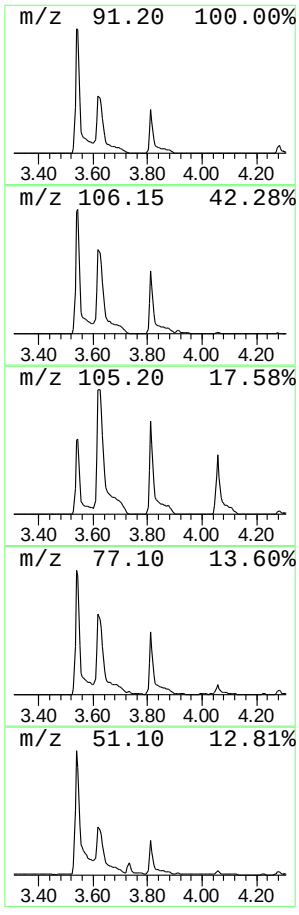
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Benzene, 1,2-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.811	17.53 ug/ml	1428810	1,4-Dichlorobenzene-d4	4.699

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-dimethyl-	106	C8H10	000095-47-6	97
2	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
3	p-Xylene	106	C8H10	000106-42-3	97
4	p-Xylene	106	C8H10	000106-42-3	95
5	Benzene, 1,2-dimethyl-	106	C8H10	000095-47-6	95





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13798.D
Acq On : 13 Oct 2009 5:52 pm
Operator : sheilac
Sample : t39513-4
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 16 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

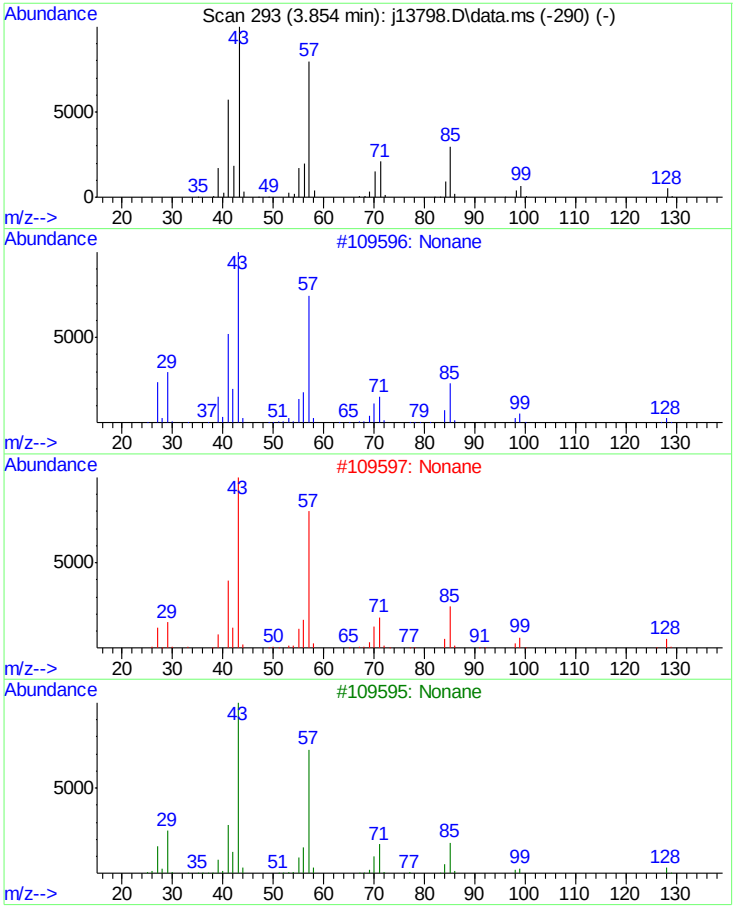
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

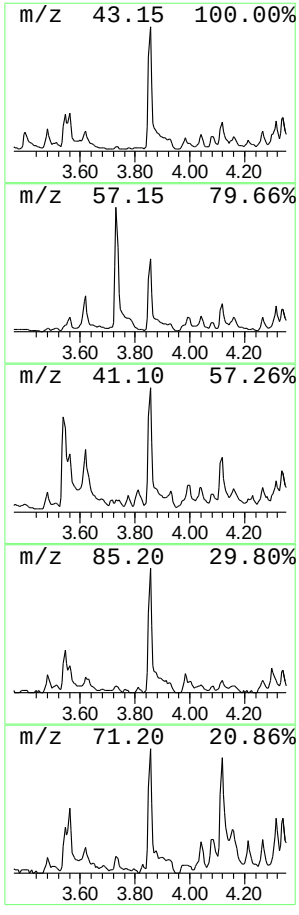
****

Peak Number 4 Nonane Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.854	9.74 ug/ml	793593	1,4-Dichlorobenzene-d4	4.699

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	93
2	Nonane	128	C9H20	000111-84-2	91
3	Nonane	128	C9H20	000111-84-2	91
4	Nonane	128	C9H20	000111-84-2	83
5	1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	72





Library Search Compound Report

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Acq On : 13 Oct 2009 5:52 pm
Operator : sheilac
Sample : t39513-4
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 16 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

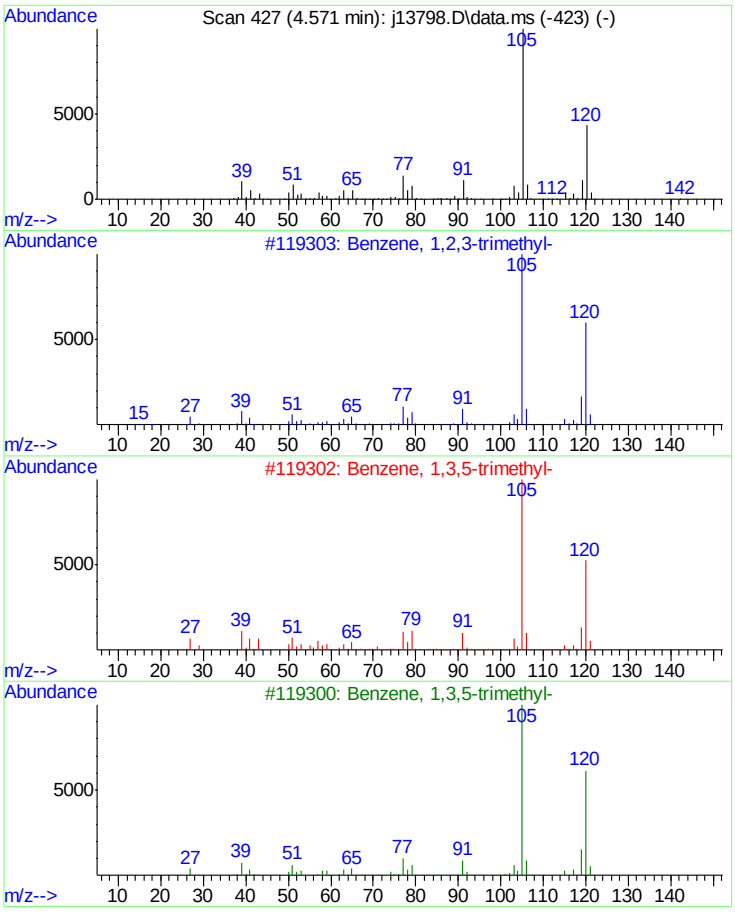
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

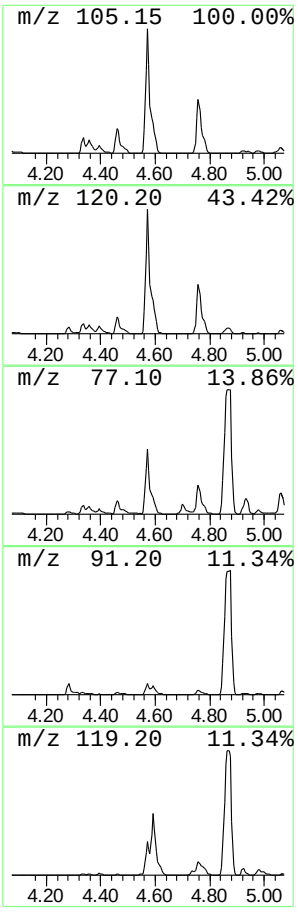
****

Peak Number 5 Benzene, 1,2,3-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.571	30.85 ug/ml	2514110	1,4-Dichlorobenzene-d4	4.699

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	95
3	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	95
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94





ACCUTEST Laboratories T39513

Library Search Compound Report

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Data File : j13798.D
Acq On : 13 Oct 2009 5:52 pm
Operator : sheilac
Sample : t39513-4
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 16 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

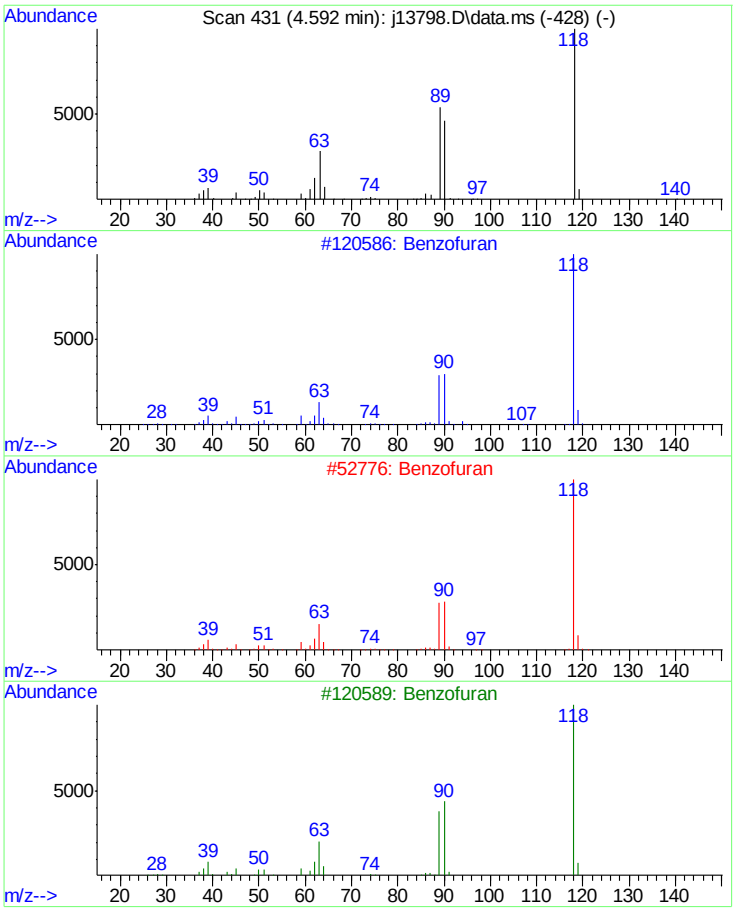
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

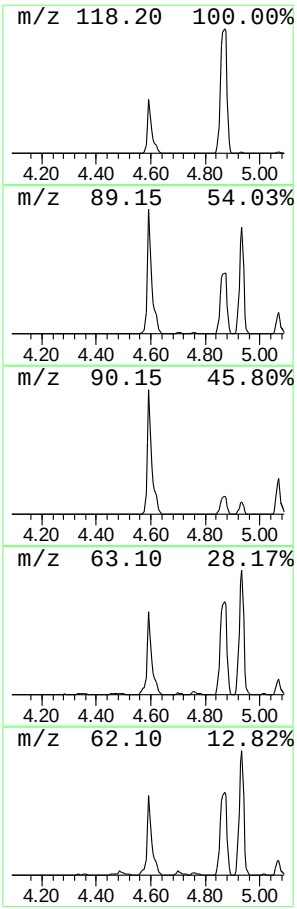
****

Peak Number 6 Benzofuran Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.592	113.66 ug/ml	9264080	1,4-Dichlorobenzene-d4	4.699

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran	118	C8H6O	000271-89-6	91
2	Benzofuran	118	C8H6O	000271-89-6	91
3	Benzofuran	118	C8H6O	000271-89-6	87
4	Benzofuran	118	C8H6O	000271-89-6	64
5	3-Hydroxyphenylacetylene	118	C8H6O	010401-11-3	50





Library Search Compound Report

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Misc      : op13230,Ej633,1000,,,1,1,water
ALS Vial  : 16   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
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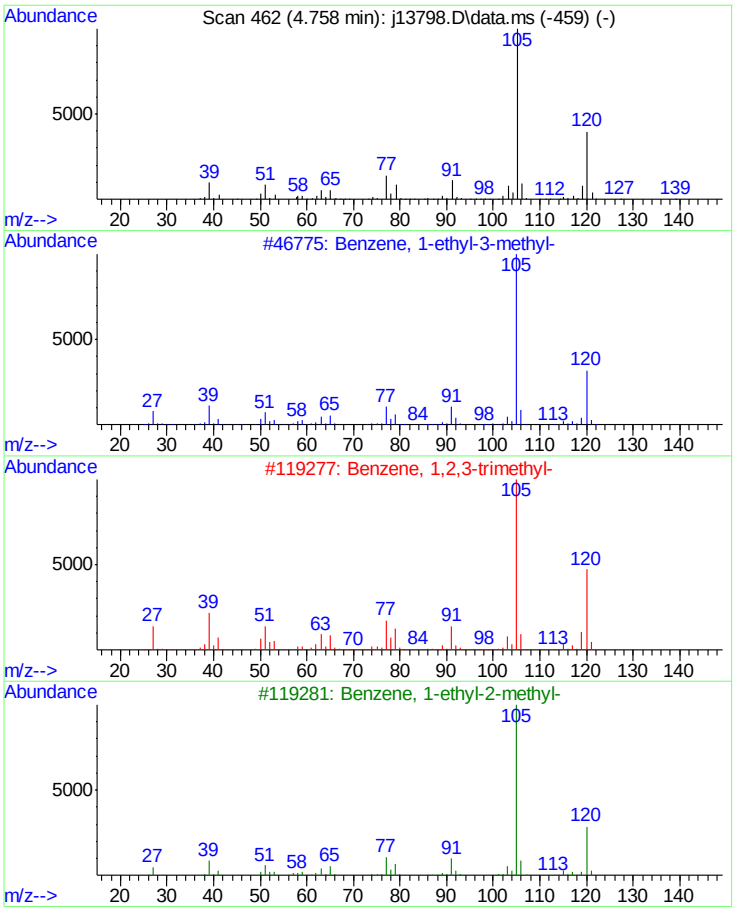
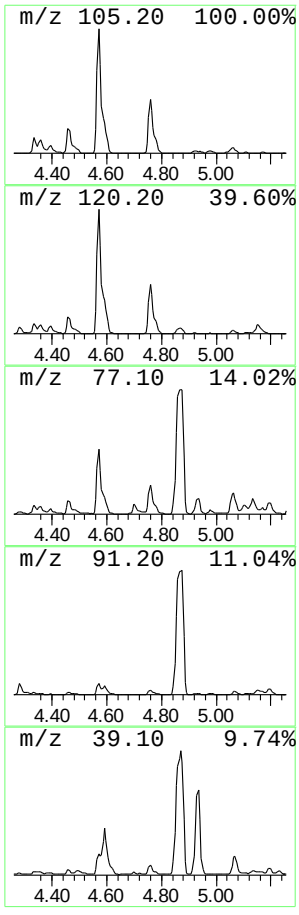
****

Peak Number 7 Benzene, 1-ethyl-3-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.758	18.87 ug/ml	1537780	1,4-Dichlorobenzene-d4	4.699

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
5	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
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Acq On : 13 Oct 2009 5:52 pm
Operator : sheilac
Sample : t39513-4
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 16 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

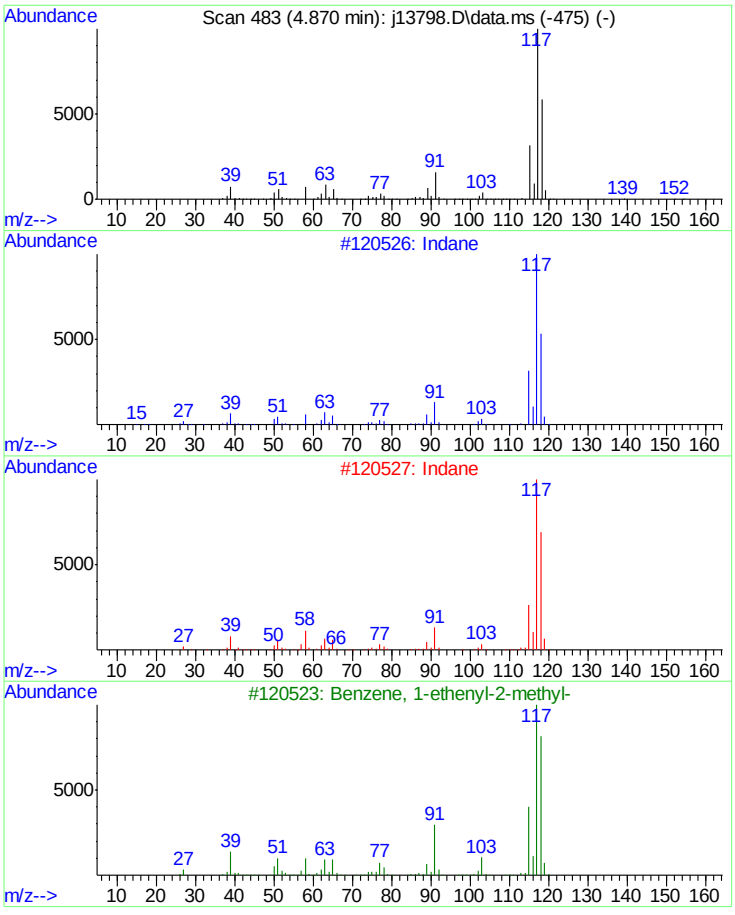
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

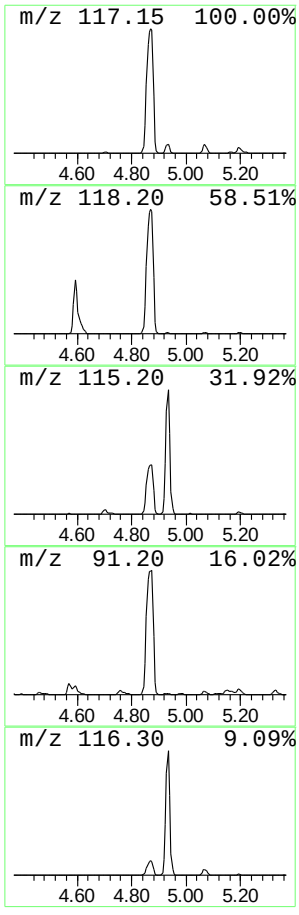
****

Peak Number 8 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.870	475.67 ug/ml	38769100	1,4-Dichlorobenzene-d4	4.699

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	Indane	118	C9H10	000496-11-7	87
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	74
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	74
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	72





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
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Acq On : 13 Oct 2009 5:52 pm
Operator : sheilac
Sample : t39513-4
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 16 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

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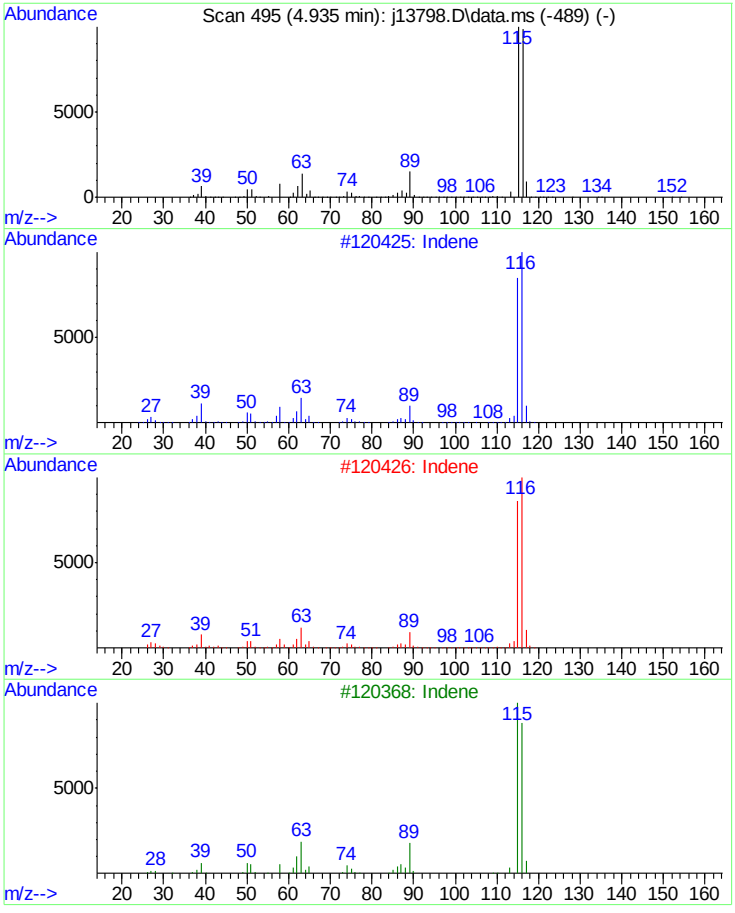
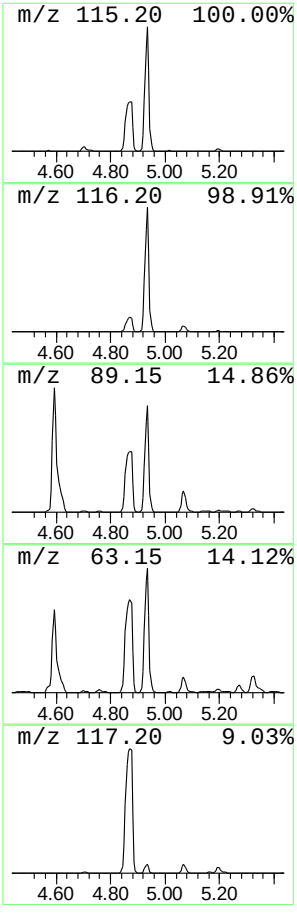
Peak Number 9 Indene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.935	245.45 ug/ml	20005200	1,4-Dichlorobenzene-d4	4.699

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Indene	116	C9H8	000095-13-6	95
3	Indene	116	C9H8	000095-13-6	95
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91





ACCUTEST Laboratories T39513

Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13798.D
Acq On : 13 Oct 2009 5:52 pm
Operator : sheilac
Sample : t39513-4
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 16 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

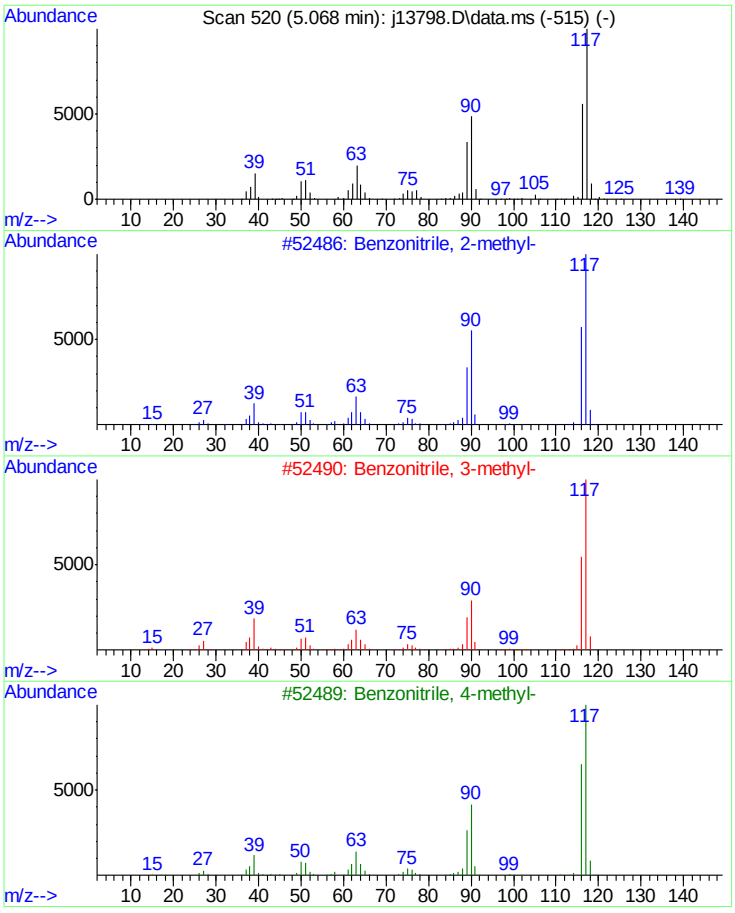
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

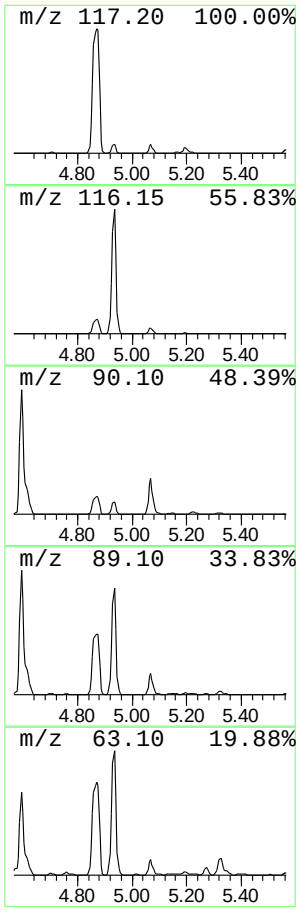
****

Peak Number 10 Benzonitrile, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.068	29.27 ug/ml	2385450	1,4-Dichlorobenzene-d4	4.699

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzonitrile, 2-methyl-	117	C8H7N	000529-19-1	96
2	Benzonitrile, 3-methyl-	117	C8H7N	000620-22-4	96
3	Benzonitrile, 4-methyl-	117	C8H7N	000104-85-8	96
4	Benzonitrile, 4-methyl-	117	C8H7N	000104-85-8	96
5	Benzonitrile, 3-methyl-	117	C8H7N	000620-22-4	96





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Acq On : 13 Oct 2009 5:52 pm
Operator : sheilac
Sample : t39513-4
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 16 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

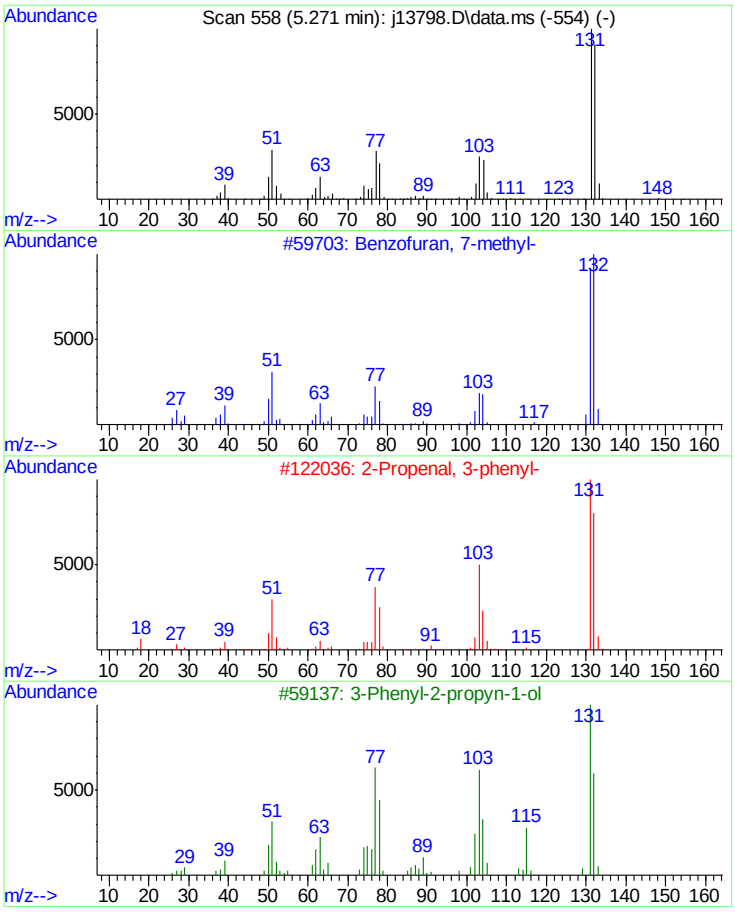
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

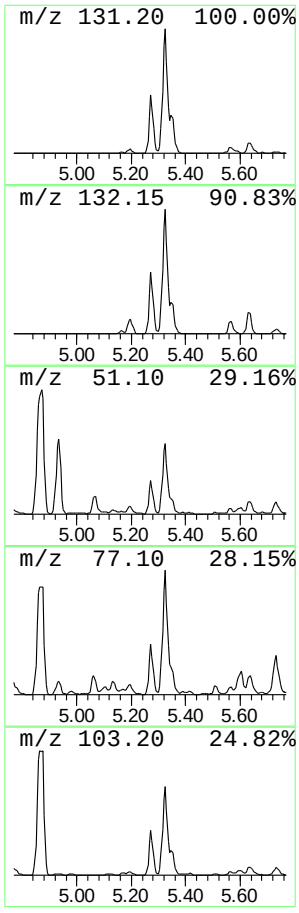
****

Peak Number 11 Benzofuran, 7-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.271	22.97 ug/ml	1872140	1,4-Dichlorobenzene-d4	4.699

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	94
2	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	93
3	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	91
4	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
5	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	90





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Acq On : 13 Oct 2009 5:52 pm
Operator : sheilac
Sample : t39513-4
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 16 Sample Multiplier: 1

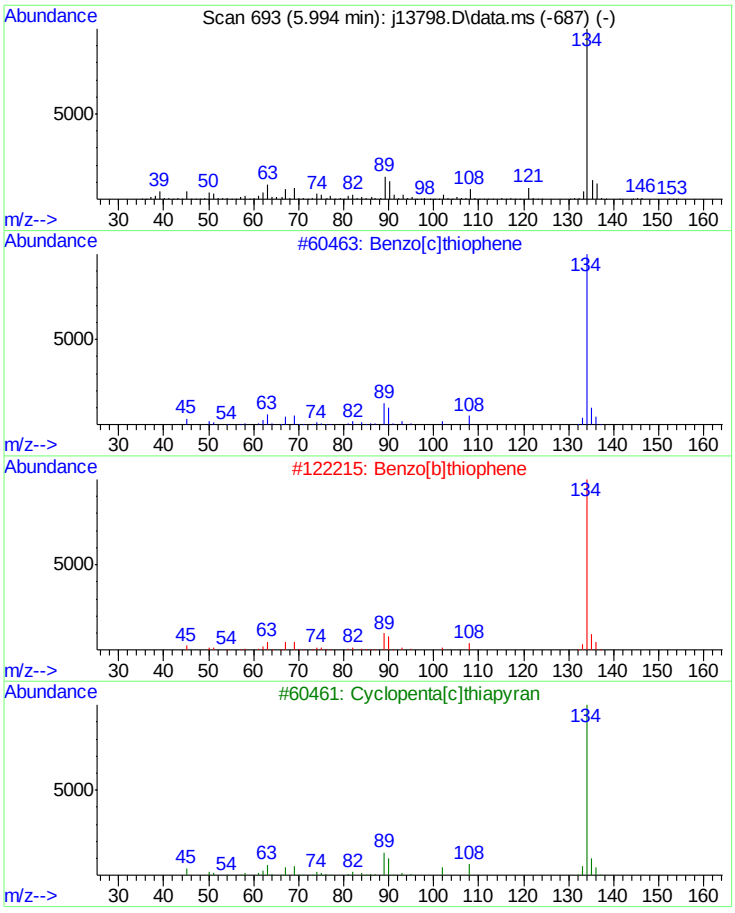
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

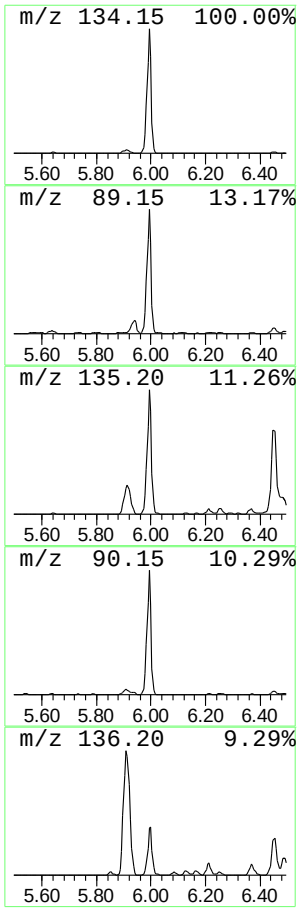
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Benzo[c]thiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.994	20.52 ug/ml	15259800	Naphthalene-d8	5.908

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]thiophene	134	C8H6S	000270-82-6	97
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	95
3	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	93
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	93





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13798.D
Acq On : 13 Oct 2009 5:52 pm
Operator : sheilac
Sample : t39513-4
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 16 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 1(2H)-Naphthalenone, 3,4-di... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.422	9.17 ug/ml	1789520	Acenaphthene-d10	8.358

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000529-34-0	93
2	1(2H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000529-34-0	90
3	1(2H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000529-34-0	87
4	1(2H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000529-34-0	87
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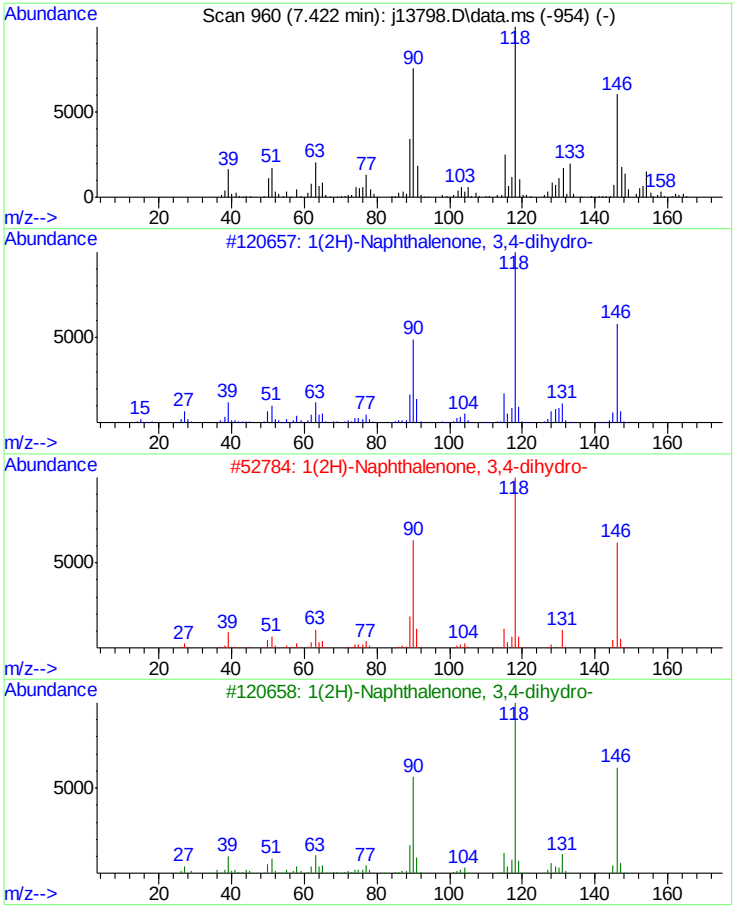

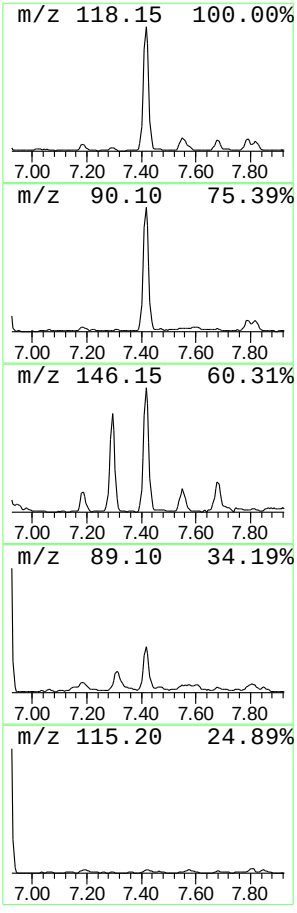

ACCUTEST Laboratories T39513

Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
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Acq On : 13 Oct 2009 5:52 pm
Operator : sheilac
Sample : t39513-4
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 16 Sample Multiplier: 1

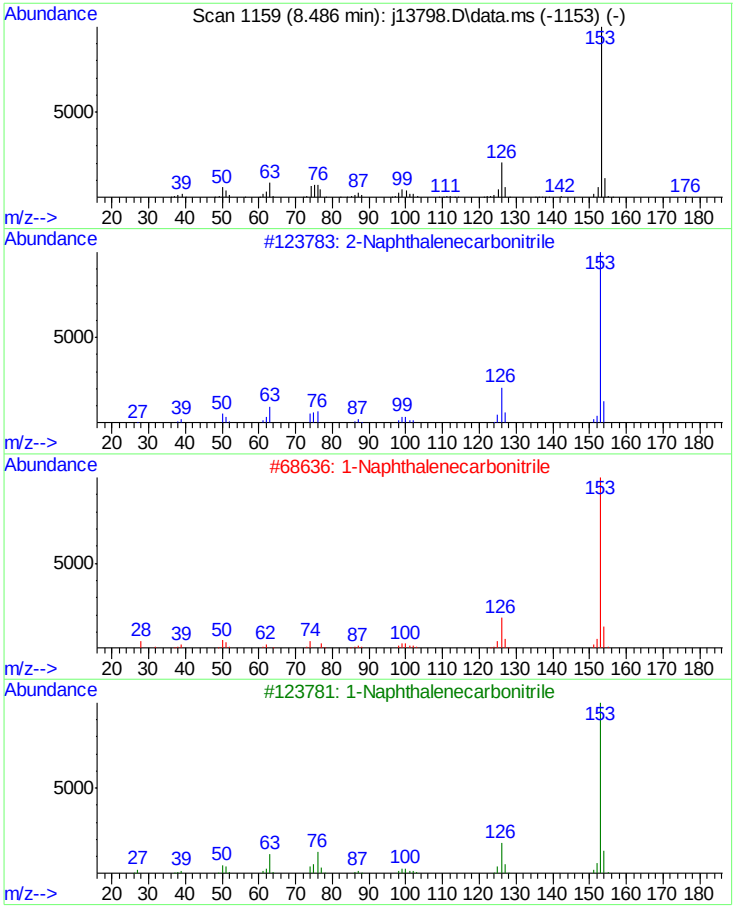
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

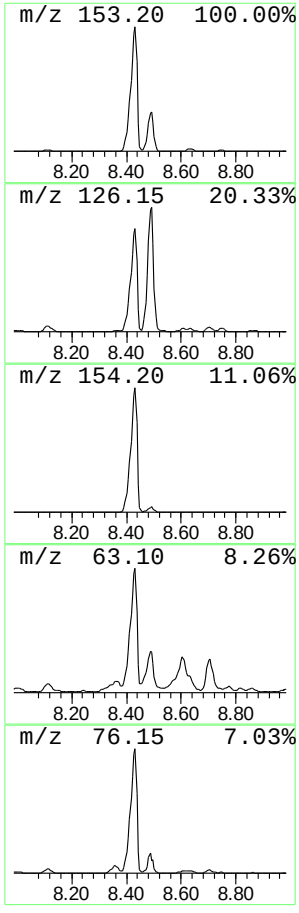
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 2-Naphthalenecarbonitrile Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.486	17.59 ug/ml	3432920	Acenaphthene-d10	8.358

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	97
2	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
3	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
4	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
5	2-Chloro-4-hydroxybenzonitrile	153	C7H4ClNO	003336-16-1	50





Library Search Compound Report

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Acq On : 13 Oct 2009 5:52 pm
Operator : sheilac
Sample : t39513-4
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 16 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

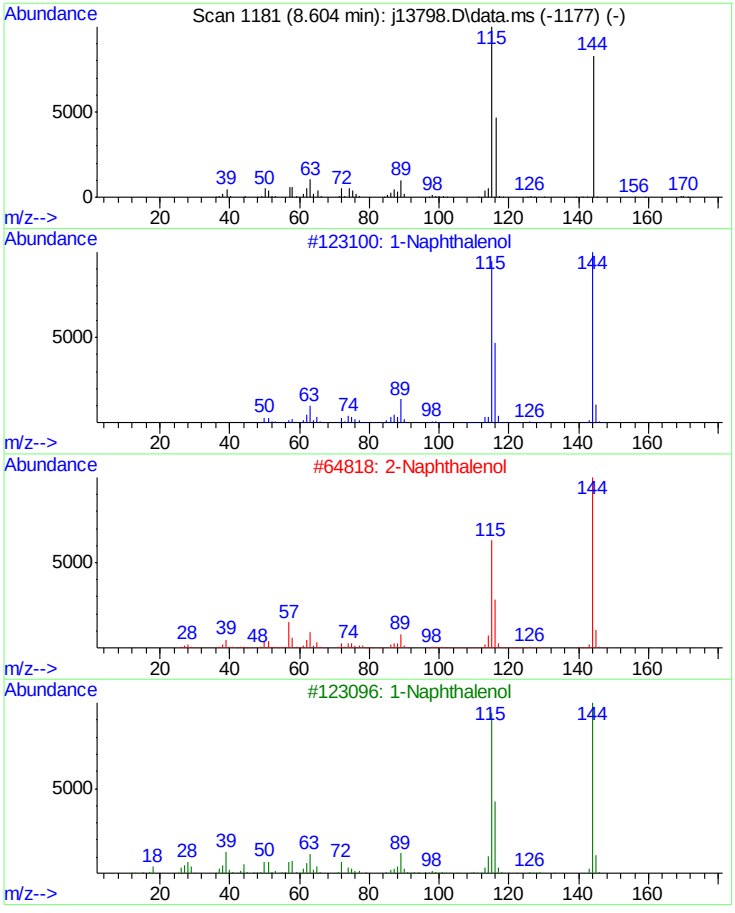
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

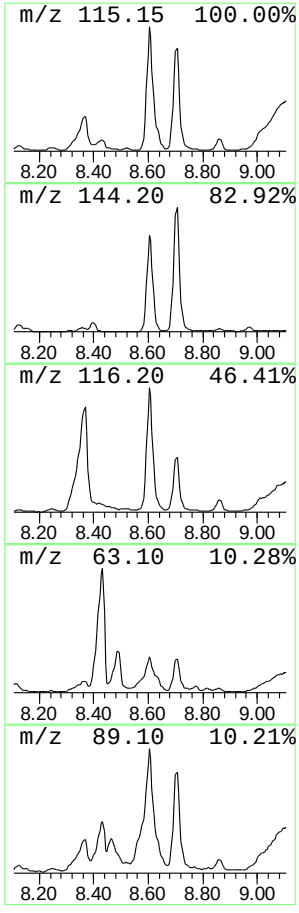
****

Peak Number 15 1-Naphthalenol Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.604	10.04 ug/ml	1959480	Acenaphthene-d10	8.358

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenol	144	C10H8O	000090-15-3	94
2	2-Naphthalenol	144	C10H8O	000135-19-3	91
3	1-Naphthalenol	144	C10H8O	000090-15-3	91
4	1-Naphthalenol	144	C10H8O	000090-15-3	91
5	1-Naphthalenol	144	C10H8O	000090-15-3	81





ACCUTEST Laboratories T39513

Library Search Compound Report

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Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13798.D
Acq On    : 13 Oct 2009   5:52 pm
Operator  : sheilac
Sample    : t39513-4
Misc      : op13230,Ej633,1000,,,1,1,water
ALS Vial  : 16   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
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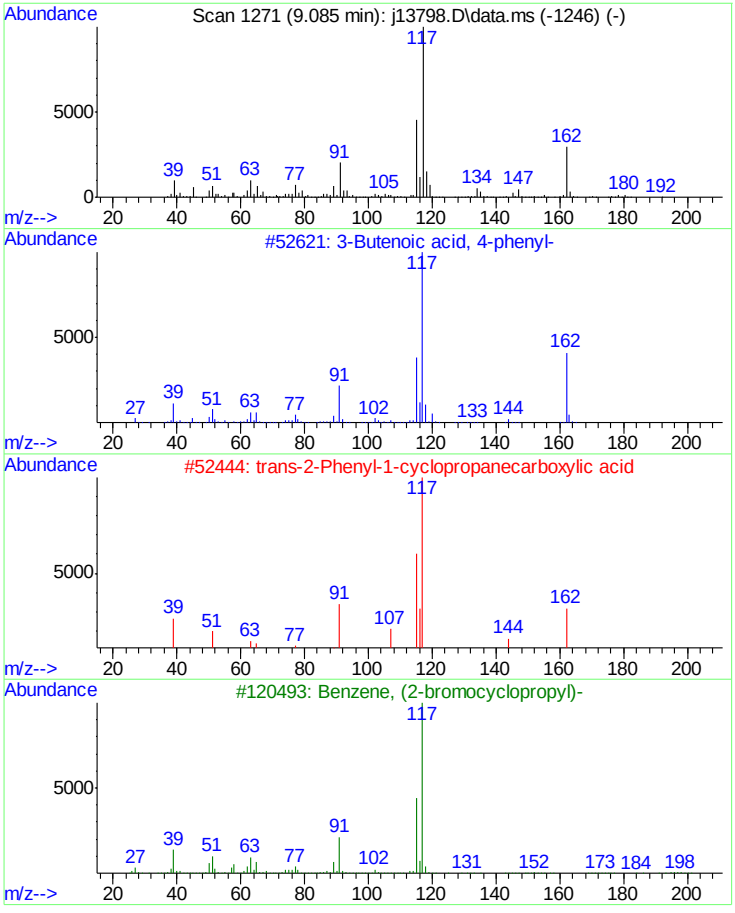
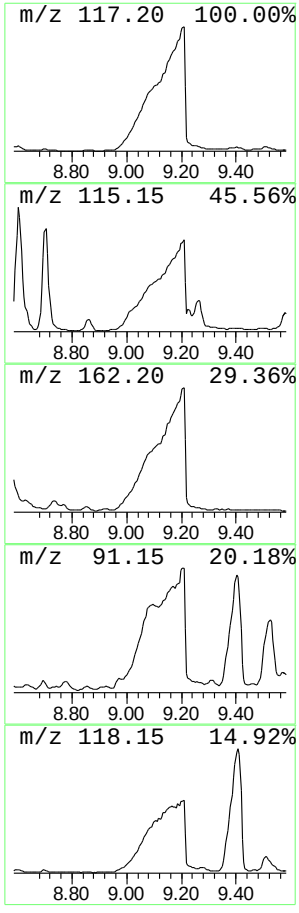
****

Peak Number 16 3-Butenoic acid, 4-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.085	32.80 ug/ml	6400780	Acenaphthene-d10	8.358

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Butenoic acid, 4-phenyl-	162	C10H10O2	002243-53-0	81
2	trans-2-Phenyl-1-cyclopropanecar...	162	C10H10O2	000939-90-2	64
3	Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	64
4	Benzene, (3-chloro-1-propenyl)-	152	C9H9Cl	002687-12-9	59
5	Benzeneacetic acid, ar-ethenyl-	162	C10H10O2	037570-14-2	53





Library Search Compound Report

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Acq On    : 13 Oct 2009   5:52 pm
Operator  : sheilac
Sample    : t39513-4
Misc      : op13230,Ej633,1000,,,1,1,water
ALS Vial  : 16   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
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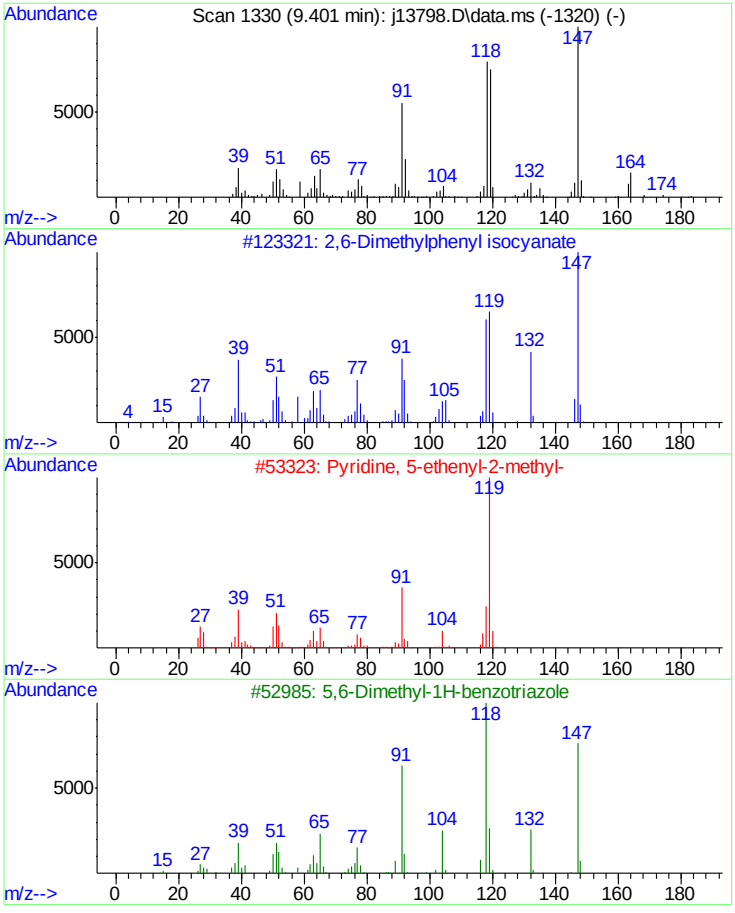
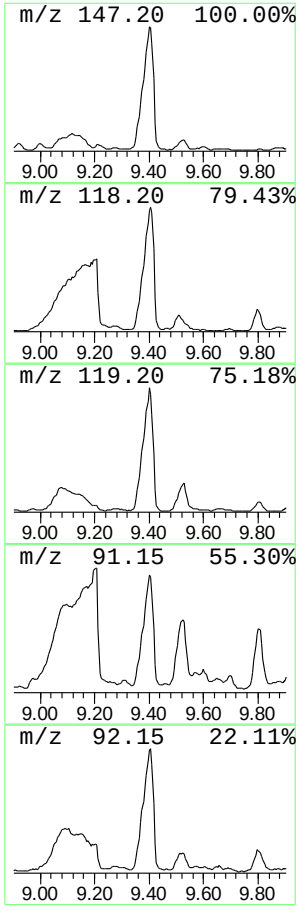
****

Peak Number 17 2,6-Dimethylphenyl isocyanate Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.401	14.55 ug/ml	2839500	Acenaphthene-d10	8.358

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-Dimethylphenyl isocyanate	147	C9H9NO	028556-81-2	87
2	Pyridine, 5-ethenyl-2-methyl-	119	C8H9N	000140-76-1	60
3	5,6-Dimethyl-1H-benzotriazole	147	C8H9N3	004184-79-6	53
4	1H-Indole-2,3-dione	147	C8H5NO2	000091-56-5	53
5	1H-Indole-2,3-dione	147	C8H5NO2	000091-56-5	53





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13798.D
Acq On : 13 Oct 2009 5:52 pm
Operator : sheilac
Sample : t39513-4
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 16 Sample Multiplier: 1

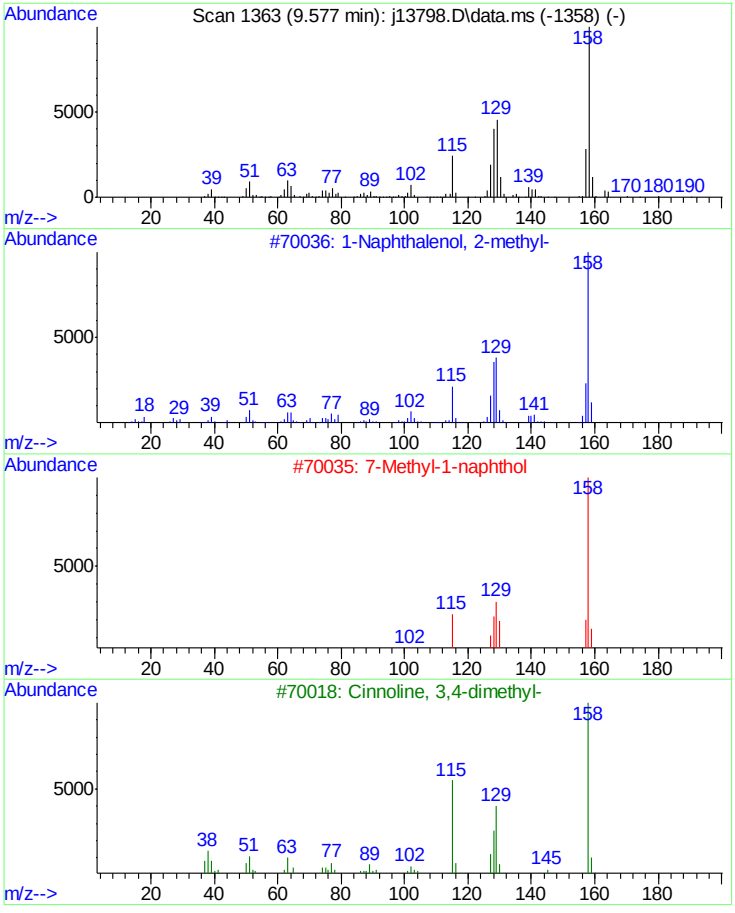
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

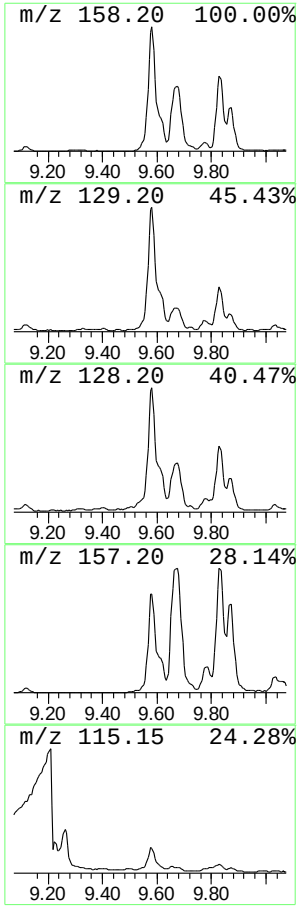
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 1-Naphthalenol, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.577	14.19 ug/ml	2769050	Acenaphthene-d10	8.358

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenol, 2-methyl-	158	C11H10O	007469-77-4	95
2	7-Methyl-1-naphthol	158	C11H10O	006939-33-9	64
3	Cinnoline, 3,4-dimethyl-	158	C10H10N2	003929-83-7	50
4	1-Naphthalenol, 4-methyl-	158	C11H10O	010240-08-1	50
5	Benzene, 1,3-bis(1-methylethenyl)-	158	C12H14	003748-13-8	40





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13798.D
Acq On : 13 Oct 2009 5:52 pm
Operator : sheilac
Sample : t39513-4
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 16 Sample Multiplier: 1

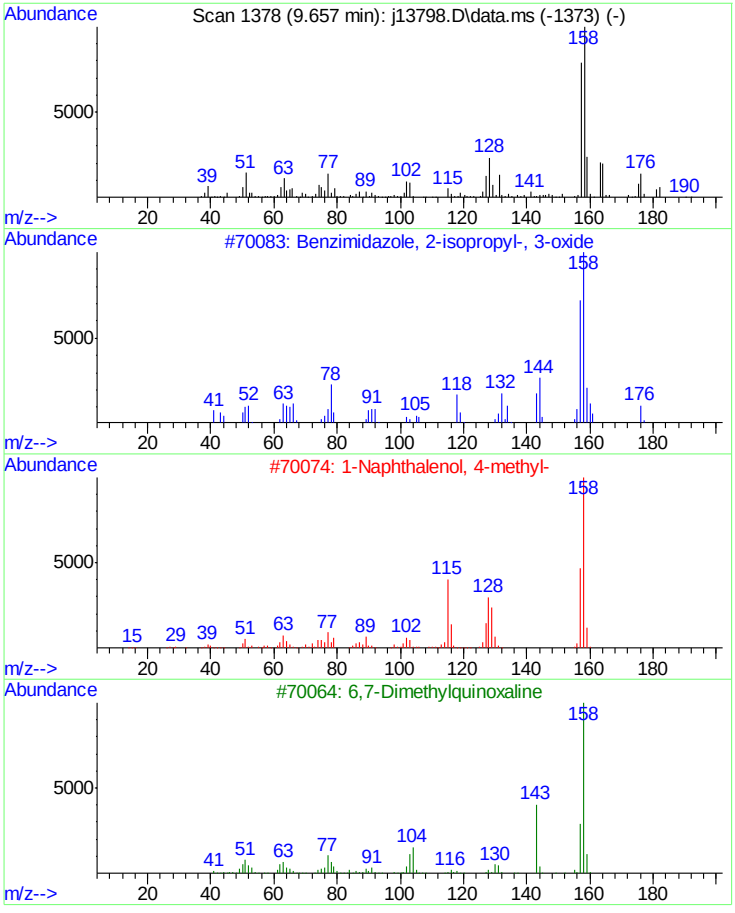
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

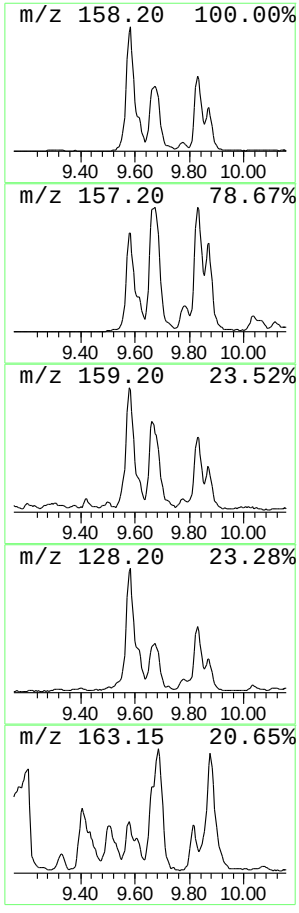
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Benzimidazole, 2-isopropyl-... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.657	12.85 ug/ml	2508330	Acenaphthene-d10	8.358

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzimidazole, 2-isopropyl-, 3-o...	176	C10H12N2O	016007-54-8	40
2	1-Naphthalenol, 4-methyl-	158	C11H10O	010240-08-1	32
3	6,7-Dimethylquinoxaline	158	C10H10N2	1000128-23-0	27
4	1,8-Naphthyridine, 3,6-dimethyl-	158	C10H10N2	001199-13-9	27
5	1H-Pyrazole, 3-methyl-5-phenyl-	158	C10H10N2	003347-62-4	27





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13798.D
Acq On : 13 Oct 2009 5:52 pm
Operator : sheilac
Sample : t39513-4
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 16 Sample Multiplier: 1

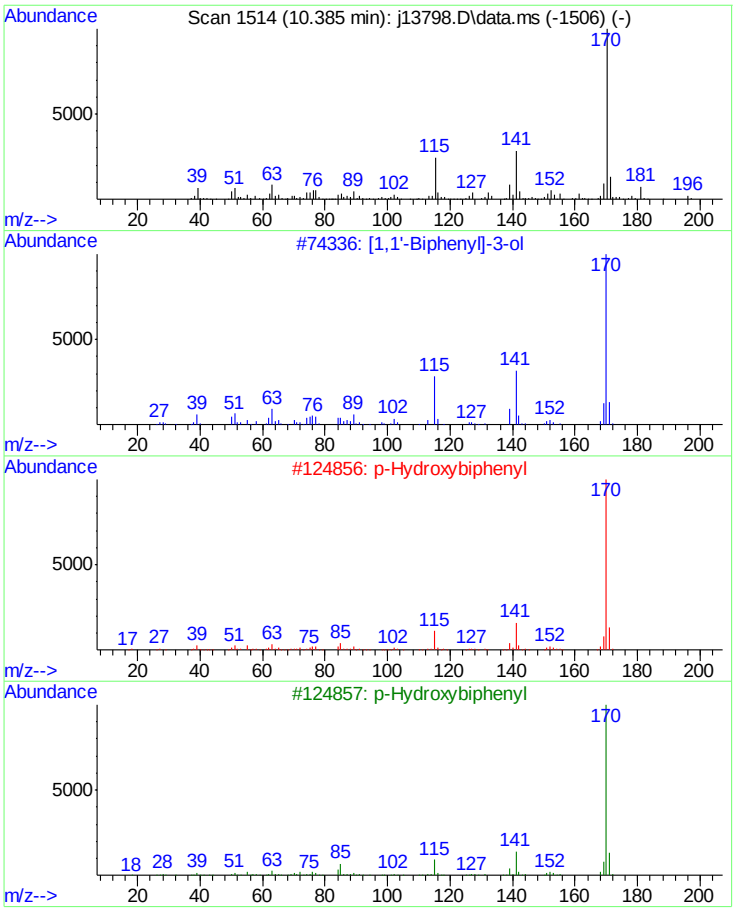
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

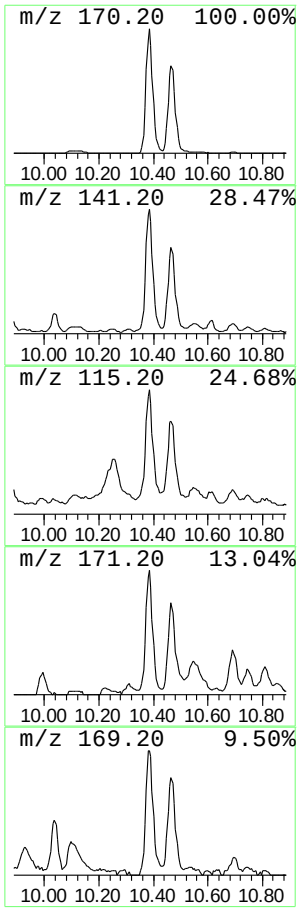
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 [1,1'-Biphenyl]-3-ol Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.385	9.74 ug/ml	1622090	Phenanthrene-d10	11.139

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	96
2	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	93
3	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	93
4	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	93
5	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	87





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13798.D
Acq On : 13 Oct 2009 5:52 pm
Operator : sheilac
Sample : t39513-4
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 16 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

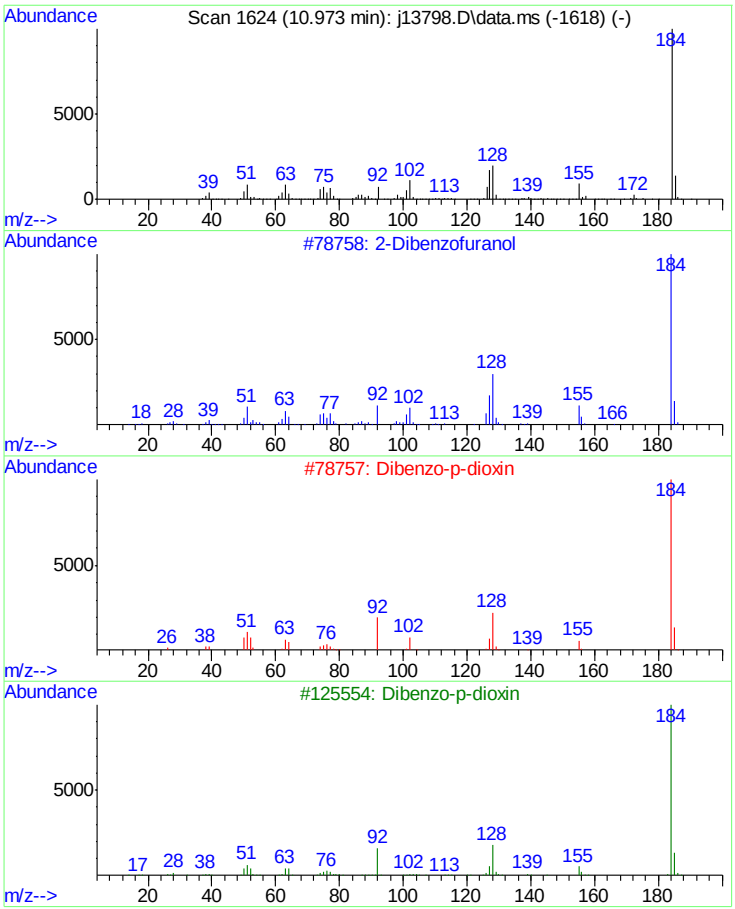
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

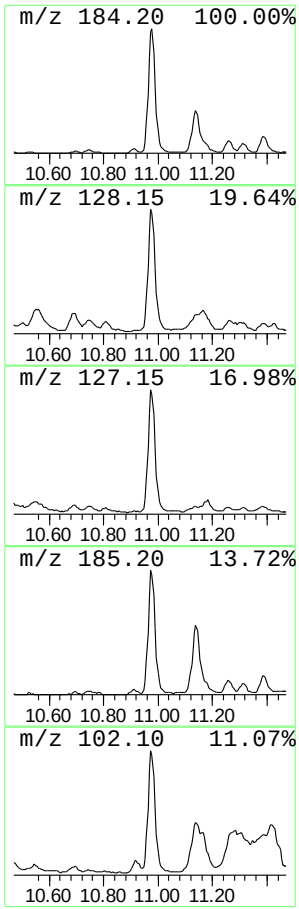
****

Peak Number 21 2-Dibenzofuranol Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.973	12.33 ug/ml	2052280	Phenanthrene-d10	11.139

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Dibenzofuranol	184	C12H8O2	000086-77-1	94
2	Dibenzo-p-dioxin	184	C12H8O2	000262-12-4	87
3	Dibenzo-p-dioxin	184	C12H8O2	000262-12-4	87
4	2-Dibenzofuranol	184	C12H8O2	000086-77-1	87
5	Pyrylium, 2,4-dimethyl-6-phenyl-...	312	C13H13IO	032339-28-9	64





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13798.D
Acq On : 13 Oct 2009 5:52 pm
Operator : sheilac
Sample : t39513-4
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 16 Sample Multiplier: 1

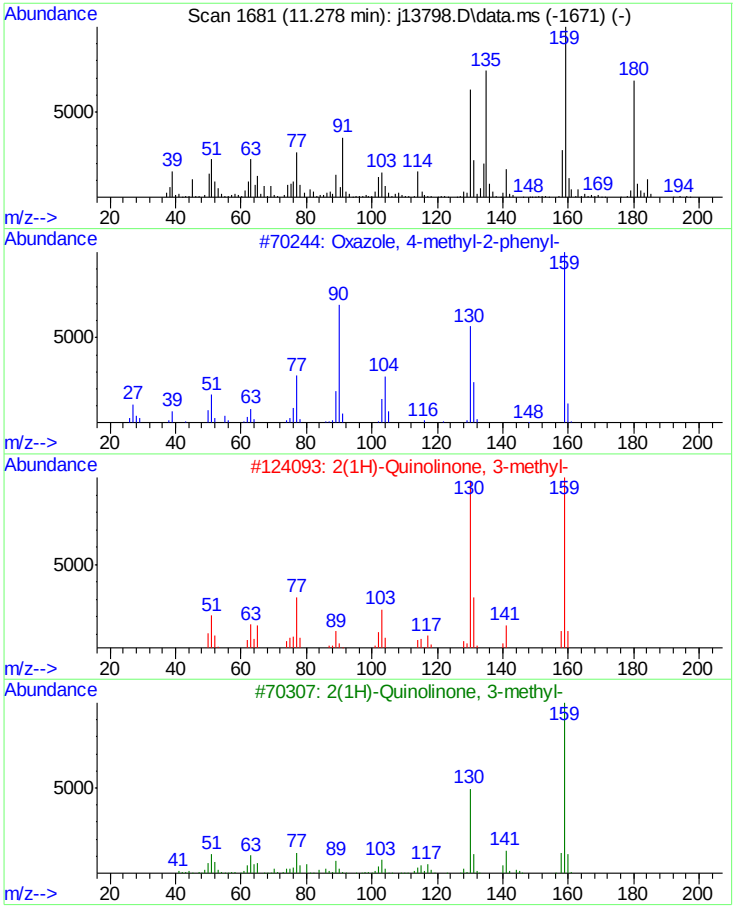
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

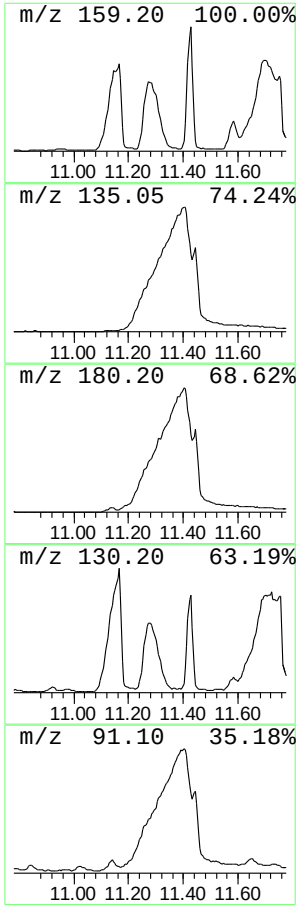
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 Oxazole, 4-methyl-2-phenyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.278	11.88 ug/ml	1978250	Phenanthrene-d10	11.139

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxazole, 4-methyl-2-phenyl-	159	C10H9NO	000877-39-4	51
2	2(1H)-Quinolinone, 3-methyl-	159	C10H9NO	002721-59-7	42
3	2(1H)-Quinolinone, 3-methyl-	159	C10H9NO	002721-59-7	38
4	2-Methyl-6-hydroxyquinoline	159	C10H9NO	000613-21-8	30
5	5-Amino-1-naphthol	159	C10H9NO	000083-55-6	25





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13798.D
Acq On : 13 Oct 2009 5:52 pm
Operator : sheilac
Sample : t39513-4
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 16 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

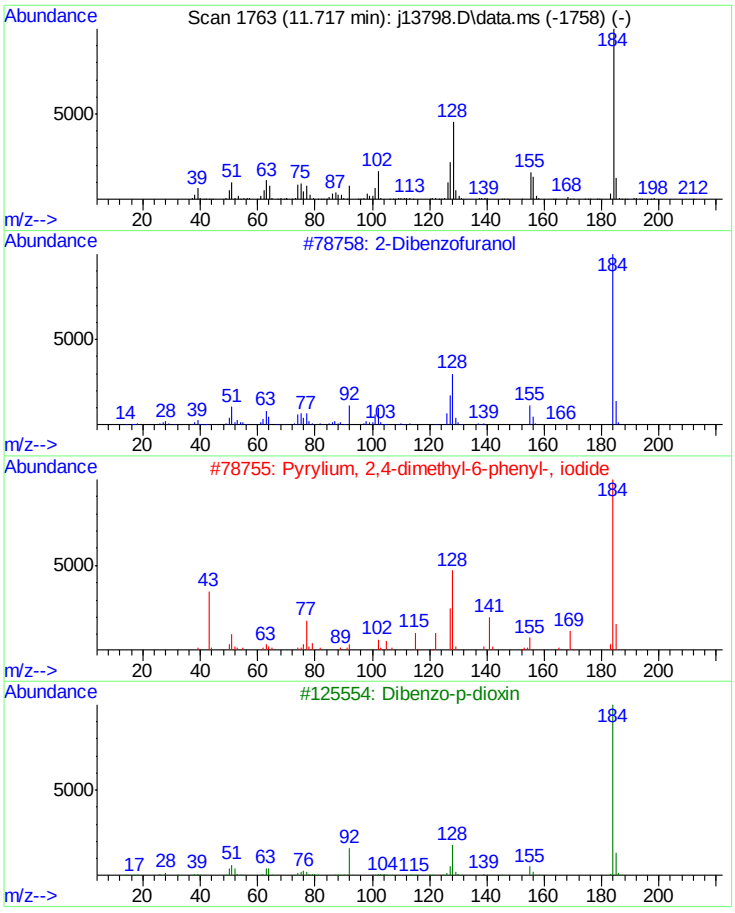
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

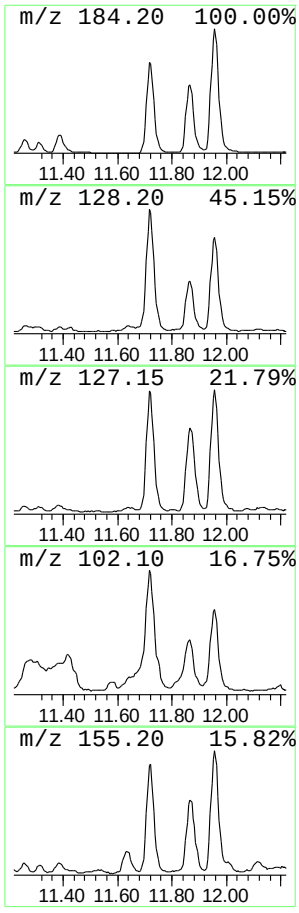
****

Peak Number 23 2-Dibenzofuranol Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.717	21.99 ug/ml	3661250	Phenanthrene-d10	11.139

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Dibenzofuranol	184	C12H8O2	000086-77-1	83
2	Pyrylium, 2,4-dimethyl-6-phenyl-...	312	C13H13IO	032339-28-9	72
3	Dibenzo-p-dioxin	184	C12H8O2	000262-12-4	64
4	1H-Benzimidazole, 2-(2-furanyl)-	184	C11H8N2O	003878-19-1	53
5	Dibenzo-p-dioxin	184	C12H8O2	000262-12-4	50





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13798.D
Acq On : 13 Oct 2009 5:52 pm
Operator : sheilac
Sample : t39513-4
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 16 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

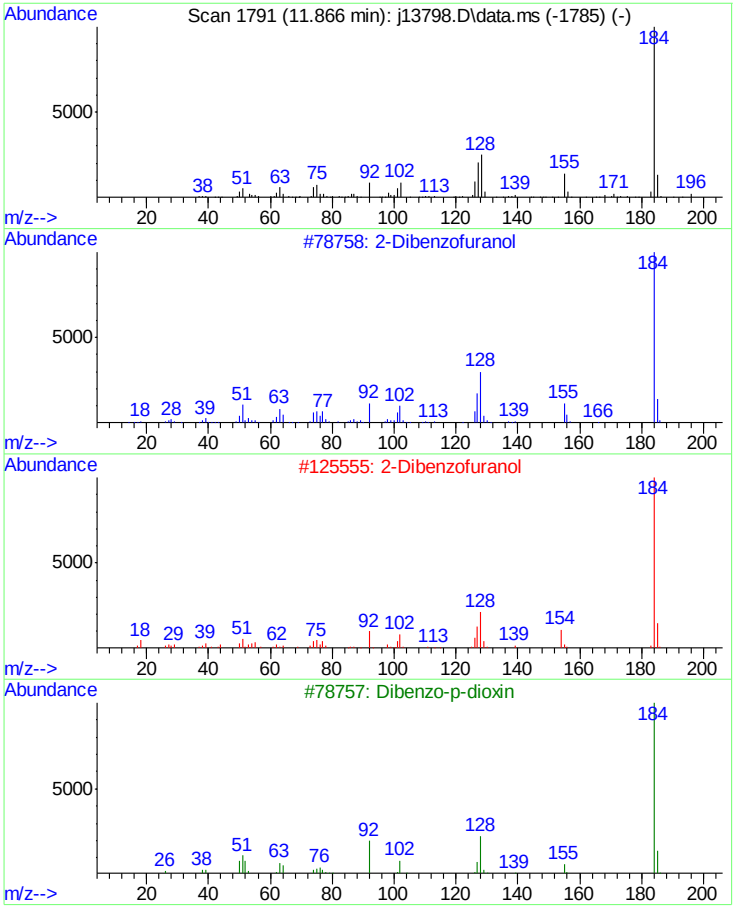
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

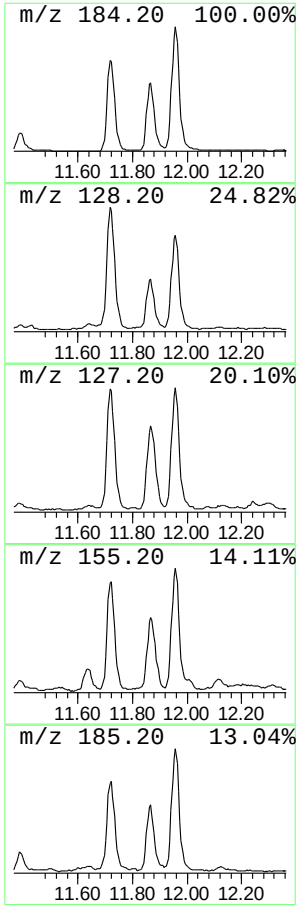
****

Peak Number 24 2-Dibenzofuranol Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.866	9.37 ug/ml	1560700	Phenanthrene-d10	11.139

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Dibenzofuranol	184	C12H8O2	000086-77-1	86
2	2-Dibenzofuranol	184	C12H8O2	000086-77-1	74
3	Dibenzo-p-dioxin	184	C12H8O2	000262-12-4	72
4	Pyrylium, 2,4-dimethyl-6-phenyl-...	312	C13H13IO	032339-28-9	59
5	4-(3-Propynyloxy)quinazoline	184	C11H8N2O	1000139-87-9	52





Library Search Compound Report

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Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13798.D
Acq On    : 13 Oct 2009   5:52 pm
Operator  : sheilac
Sample    : t39513-4
Misc      : op13230,Ej633,1000,,,1,1,water
ALS Vial  : 16   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
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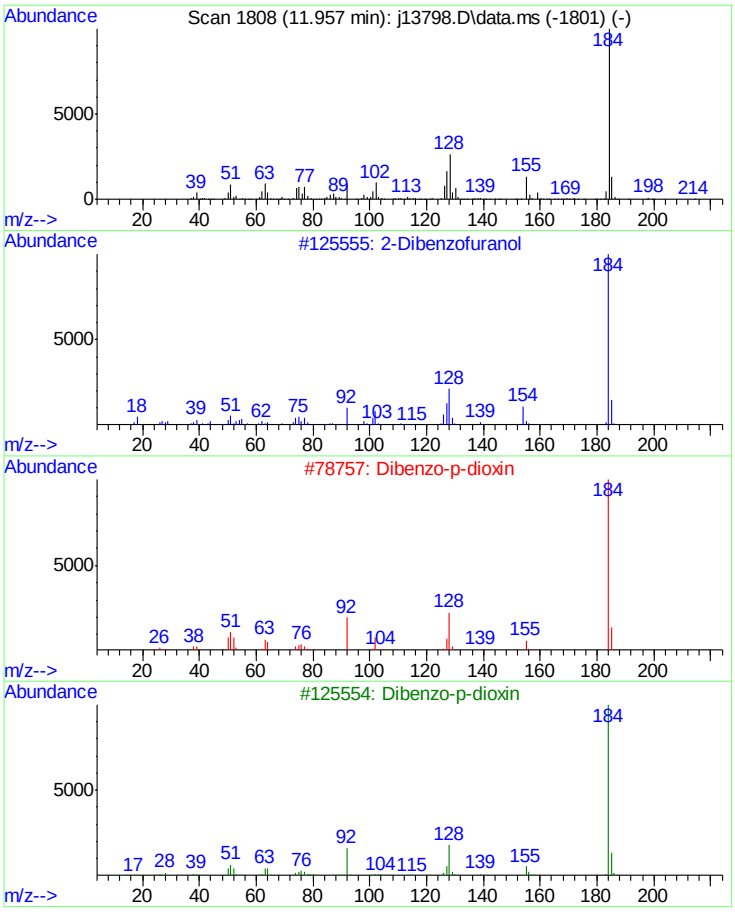
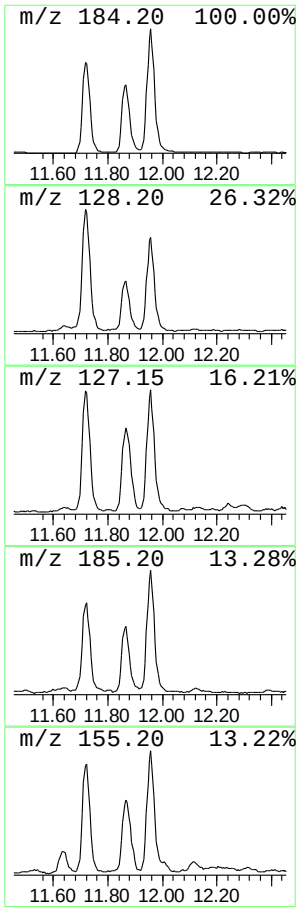
****

Peak Number 25 2-Dibenzofuranol Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.957	16.59 ug/ml	2762690	Phenanthrene-d10	11.139

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Dibenzofuranol	184	C12H8O2	000086-77-1	87
2	Dibenzo-p-dioxin	184	C12H8O2	000262-12-4	83
3	Dibenzo-p-dioxin	184	C12H8O2	000262-12-4	81
4	1H-Benzimidazole, 2-(2-furanyl)-	184	C11H8N2O	003878-19-1	53
5	2-Dibenzofuranol	184	C12H8O2	000086-77-1	52





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13798.D
Acq On : 13 Oct 2009 5:52 pm
Operator : sheilac
Sample : t39513-4
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 16 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
Pyridine, 2-met...	3.539	133.9	ug/ml	10911000	1	4.699	3260180	40.0
Benzene, 1,3-di...	3.619	64.5	ug/ml	5259710	1	4.699	3260180	40.0
Benzene, 1,2-di...	3.811	17.5	ug/ml	1428810	1	4.699	3260180	40.0
Nonane	3.854	9.7	ug/ml	793593	1	4.699	3260180	40.0
Benzene, 1,2,3-...	4.571	30.9	ug/ml	2514110	1	4.699	3260180	40.0
Benzofuran	4.592	113.7	ug/ml	9264080	1	4.699	3260180	40.0
Benzene, 1-ethy...	4.758	18.9	ug/ml	1537780	1	4.699	3260180	40.0
Indane	4.870	475.7	ug/ml	38769100	1	4.699	3260180	40.0
Indene	4.935	245.4	ug/ml	20005200	1	4.699	3260180	40.0
Benzonitrile, 2...	5.068	29.3	ug/ml	2385450	1	4.699	3260180	40.0
Benzofuran, 7-m...	5.271	23.0	ug/ml	1872140	1	4.699	3260180	40.0
Benzo[c]thiophene	5.994	20.5	ug/ml	15259800	2	5.908	29748000	40.0
1(2H)-Naphthale...	7.422	9.2	ug/ml	1789520	3	8.358	7806200	40.0
2-Naphthaleneca...	8.486	17.6	ug/ml	3432920	3	8.358	7806200	40.0
1-Naphthalenol	8.604	10.0	ug/ml	1959480	3	8.358	7806200	40.0
3-Butenoic acid...	9.085	32.8	ug/ml	6400780	3	8.358	7806200	40.0
2,6-Dimethylphe...	9.401	14.6	ug/ml	2839500	3	8.358	7806200	40.0
1-Naphthalenol,...	9.577	14.2	ug/ml	2769050	3	8.358	7806200	40.0
Benzimidazole, ...	9.657	12.9	ug/ml	2508330	3	8.358	7806200	40.0
[1,1'-Biphenyl]...	10.385	9.7	ug/ml	1622090	4	11.139	6659780	40.0
2-Dibenzofuranol	10.973	12.3	ug/ml	2052280	4	11.139	6659780	40.0
Oxazole, 4-meth...	11.278	11.9	ug/ml	1978250	4	11.139	6659780	40.0
2-Dibenzofuranol	11.717	22.0	ug/ml	3661250	4	11.139	6659780	40.0
2-Dibenzofuranol	11.866	9.4	ug/ml	1560700	4	11.139	6659780	40.0
2-Dibenzofuranol	11.957	16.6	ug/ml	2762690	4	11.139	6659780	40.0

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13805.D
Acq On : 13 Oct 2009 9:18 pm
Operator : sheilac
Sample : t39513-4,4x
Misc : op13230,Ej633,1000,,,1,4,water
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 14 11:38:34 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Oct 14 11:36:29 2009
Response via : Initial Calibration

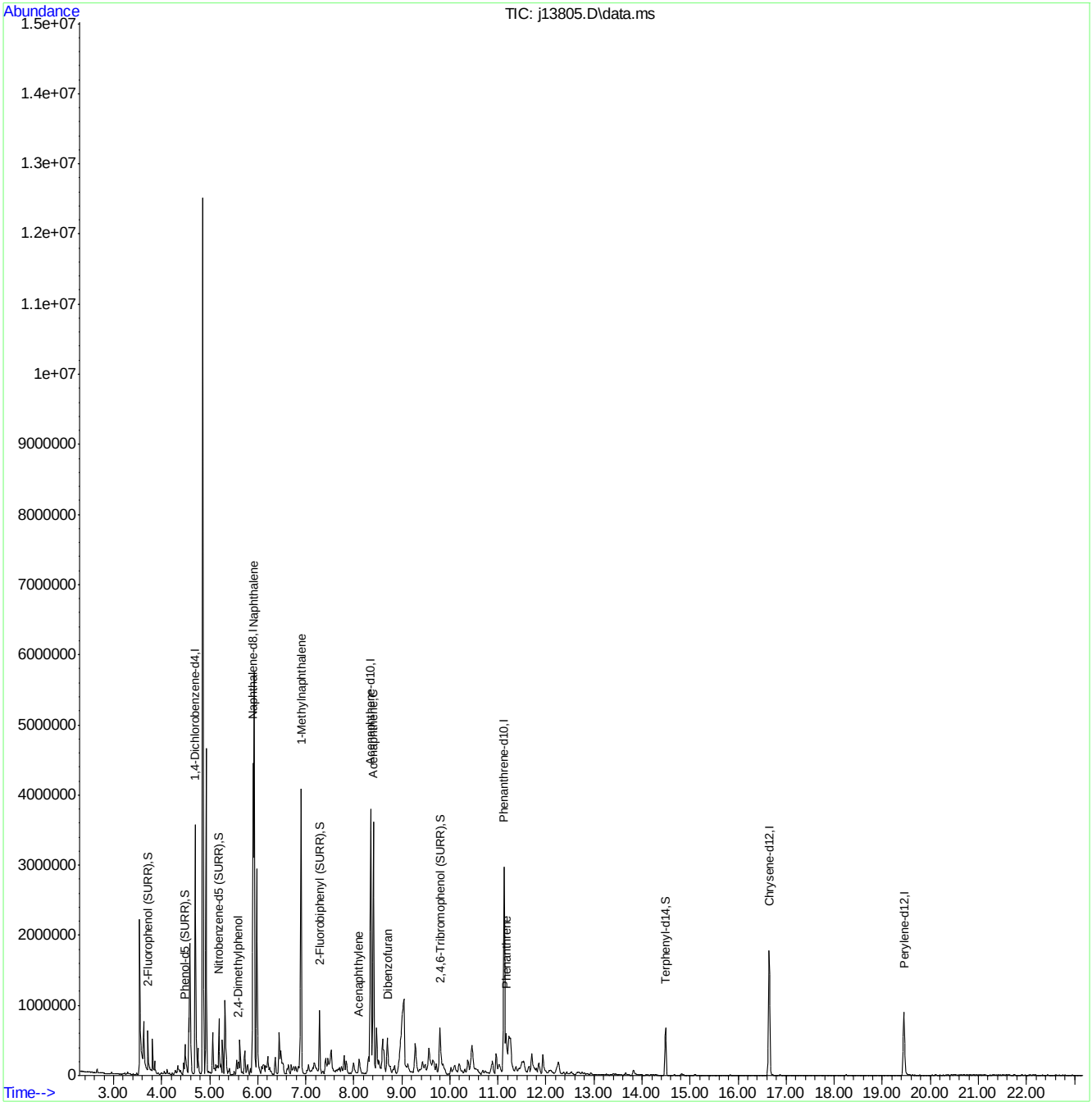
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.699	152	588486	40.00	ug/ml	-0.03
20) Naphthalene-d8	5.903	136	2181170	40.00	ug/ml	0.00
36) Acenaphthene-d10	8.352	164	1226232	40.00	ug/ml	-0.06
57) Phenanthrene-d10	11.128	188	1821594	40.00	ug/ml	-0.07
71) Chrysene-d12	16.643	240	1270745	40.00	ug/ml	-0.09
80) Perylene-d12	19.451	264	747958	40.00	ug/ml	-0.07
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.715	112	208076	11.27	ug/ml	0.04
Spiked Amount 100.000	Range 10 - 66		Recovery = 11.27%			
5) Phenol-d5 (SURR)	4.485	99	203955	8.84	ug/ml	-0.01
Spiked Amount 100.000	Range 10 - 53		Recovery = 8.84%#			
21) Nitrobenzene-d5 (SURR)	5.191	82	193107	8.44	ug/ml	-0.11
Spiked Amount 50.000	Range 29 - 115		Recovery = 16.88%#			
40) 2-Fluorobiphenyl (SURR)	7.288	172	351907	7.37	ug/ml	-0.26
Spiked Amount 50.000	Range 34 - 113		Recovery = 14.74%#			
62) 2,4,6-Tribromophenol (...	9.791	330	110407	18.01	ug/ml	-0.17
Spiked Amount 100.000	Range 32 - 128		Recovery = 18.01%#			
74) Terphenyl-d14	14.487	244	342146	11.28	ug/ml	-0.11
Spiked Amount 50.000	Range 12 - 145		Recovery = 22.56%			
Target Compounds						Qvalue
25) 2,4-Dimethylphenol	5.598	122	49129	2.88	ug/ml	95
30) Naphthalene	5.924	128	2888488	48.62	ug/ml	100
35) 1-Methylnaphthalene	6.903	142	1397172	36.76	ug/ml	99
44) Acenaphthylene	8.106	152	82142	1.41	ug/ml	96
47) Acenaphthene	8.411	154	1159735	33.99	ug/ml	100
50) Dibenzofuran	8.705	168	75918	1.56	ug/ml	97
66) Phenanthrene	11.171	178	292529	5.39	ug/ml	96

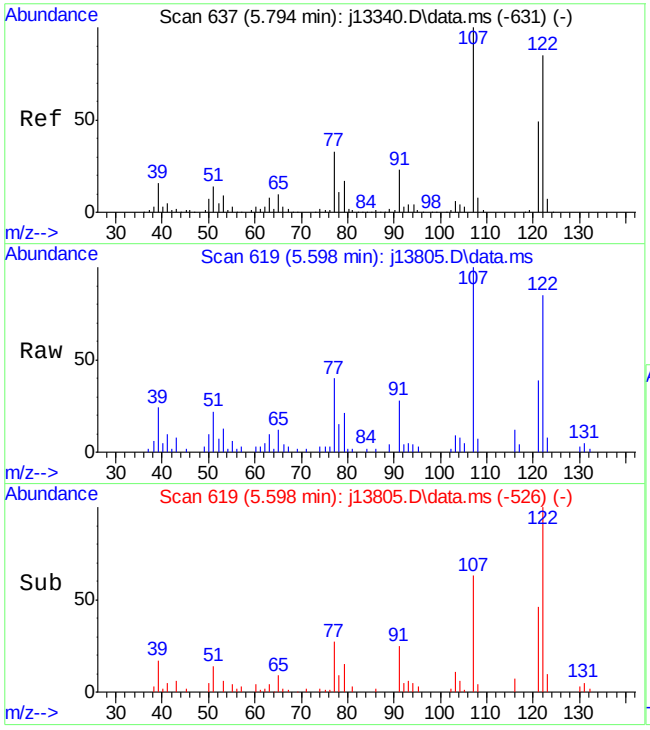
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13805.D
Acq On : 13 Oct 2009 9:18 pm
Operator : sheilac
Sample : t39513-4,4x
Misc : op13230,Ej633,1000,,,1,4,water
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 14 11:38:34 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Oct 14 11:36:29 2009
Response via : Initial Calibration

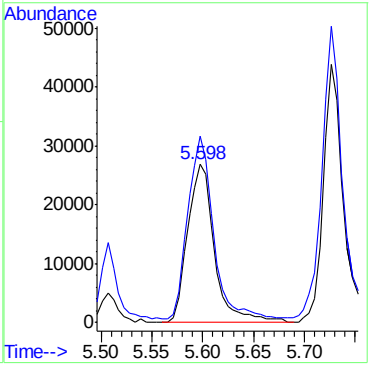


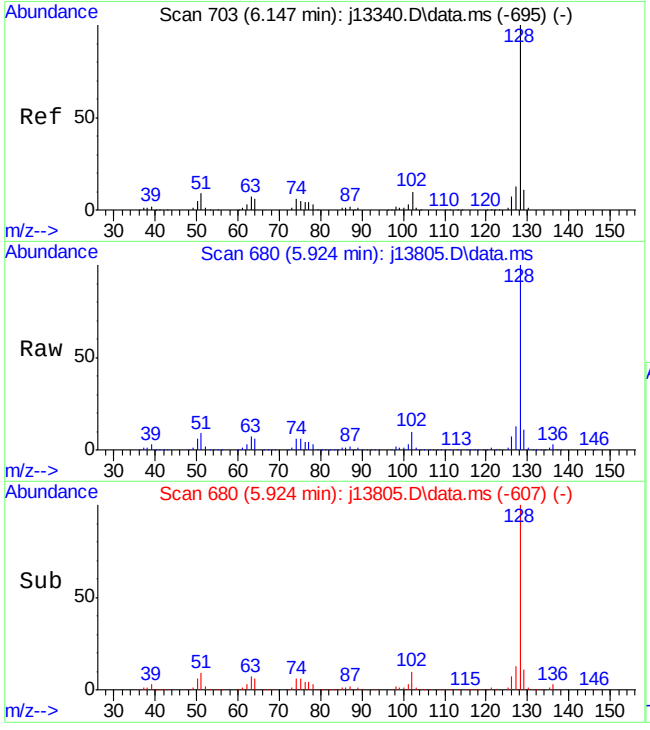


#25
2,4-Dimethylphenol
Concen: 2.88 ug/ml
RT: 5.598 min Scan# 619
Delta R.T. 0.000 min
Lab File: j13805.D
Acq: 13 Oct 2009 9:18 pm

Tgt Ion:122 Resp: 49129

Ion	Ratio	Lower	Upper
122	100		
107	112.9	98.0	138.0

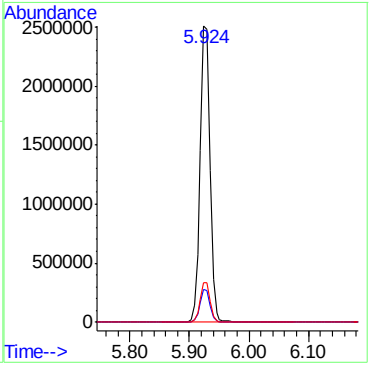


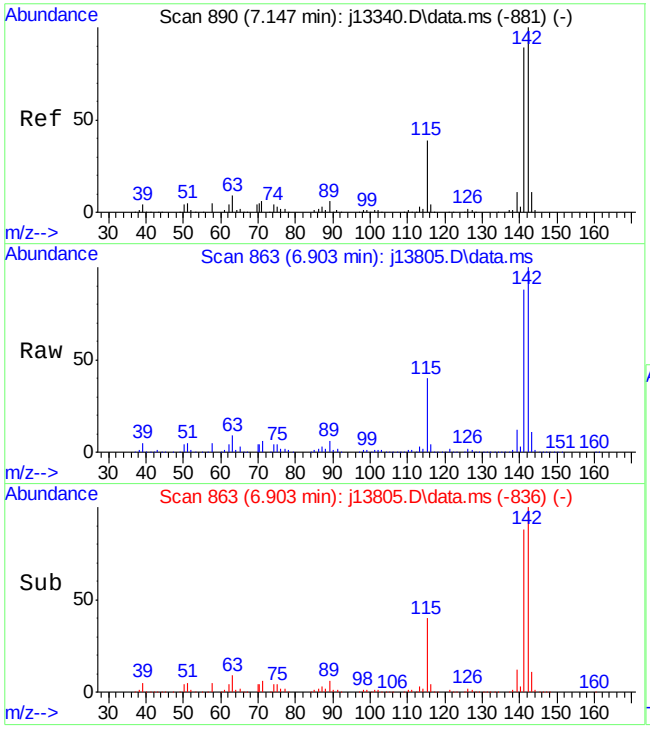


#30
Naphthalene
Concen: 48.62 ug/ml
RT: 5.924 min Scan# 680
Delta R.T. -0.110 min
Lab File: j13805.D
Acq: 13 Oct 2009 9:18 pm

Tgt Ion:128 Resp: 2888488

Ion	Ratio	Lower	Upper
128	100		
129	11.1	0.0	30.9
127	13.4	0.0	33.4

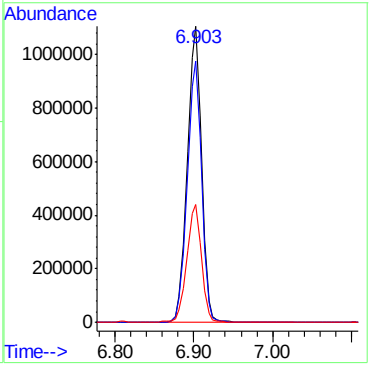


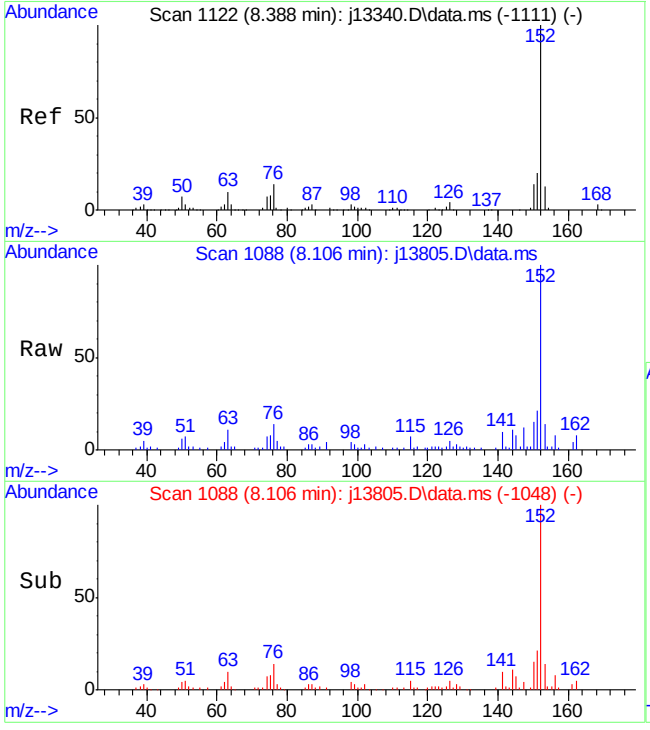


#35
1-Methylnaphthalene
Concen: 36.76 ug/ml
RT: 6.903 min Scan# 863
Delta R.T. -0.053 min
Lab File: j13805.D
Acq: 13 Oct 2009 9:18 pm

Tgt Ion:142 Resp: 1397172

Ion	Ratio	Lower	Upper
142	100		
141	88.7	69.4	109.4
115	40.5	18.9	58.9

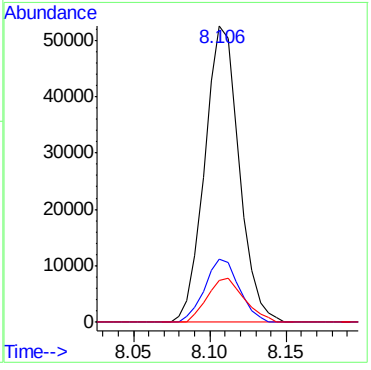


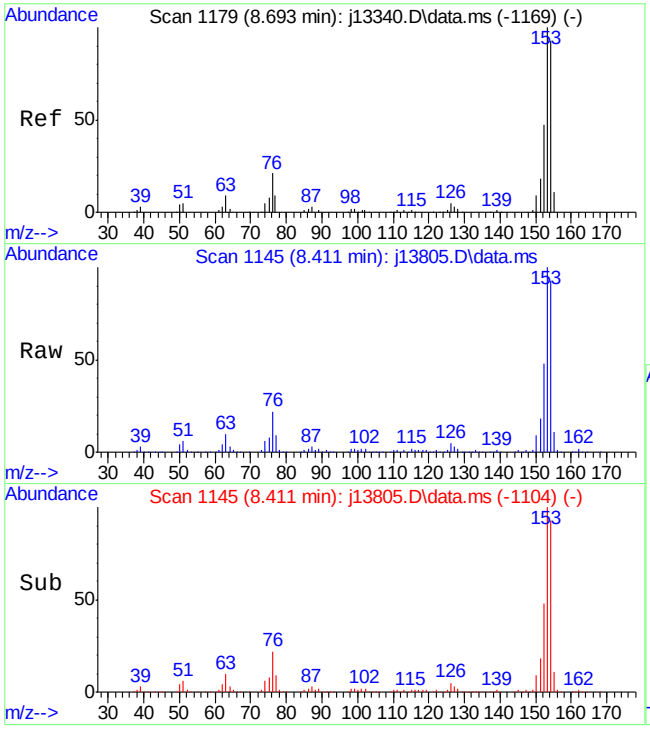


#44
Acenaphthylene
Concen: 1.41 ug/ml
RT: 8.106 min Scan# 1088
Delta R.T. -0.287 min
Lab File: j13805.D
Acq: 13 Oct 2009 9:18 pm

Tgt Ion:152 Resp: 82142

Ion	Ratio	Lower	Upper
152	100		
151	21.3	0.2	40.2
153	15.9	0.0	33.0

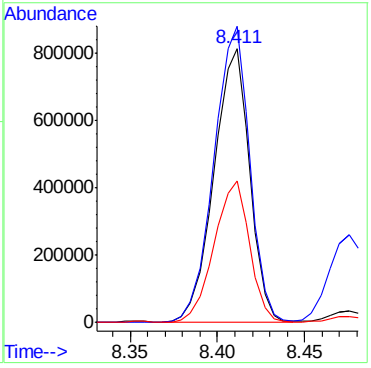


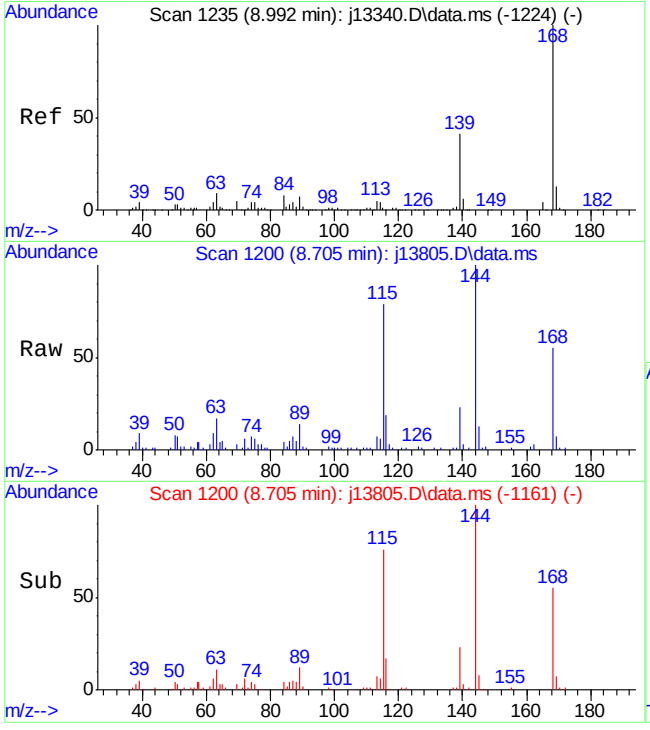


#47
Acenaphthene
Concen: 33.99 ug/ml
RT: 8.411 min Scan# 1145
Delta R.T. -0.282 min
Lab File: j13805.D
Acq: 13 Oct 2009 9:18 pm

Tgt Ion:154 Resp: 1159735

Ion	Ratio	Lower	Upper
154	100		
153	108.5	87.9	127.9
152	51.3	31.3	71.3

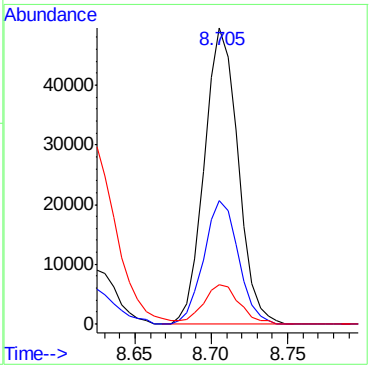


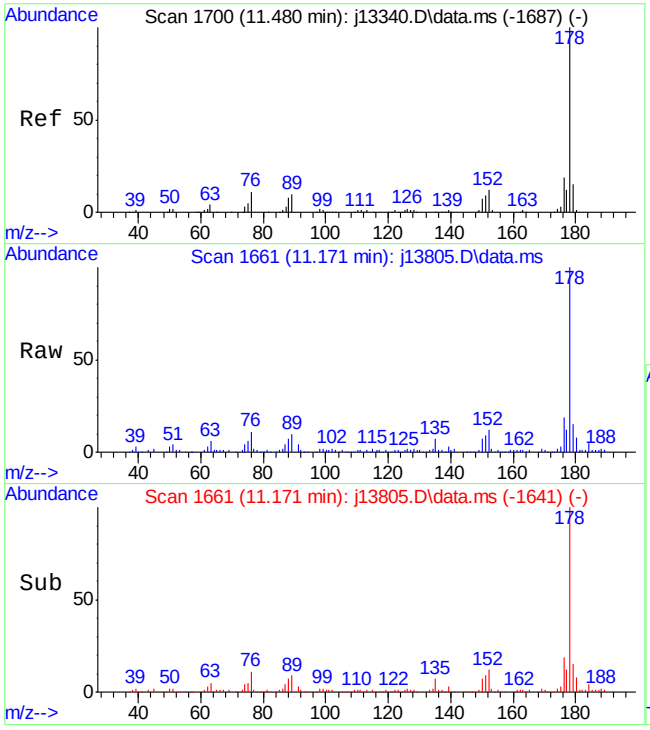


#50
Dibenzofuran
Concen: 1.56 ug/ml
RT: 8.705 min Scan# 1200
Delta R.T. -0.293 min
Lab File: j13805.D
Acq: 13 Oct 2009 9:18 pm

Tgt Ion:168 Resp: 75918

Ion	Ratio	Lower	Upper
168	100		
139	42.8	21.2	61.2
169	14.6	0.0	33.2

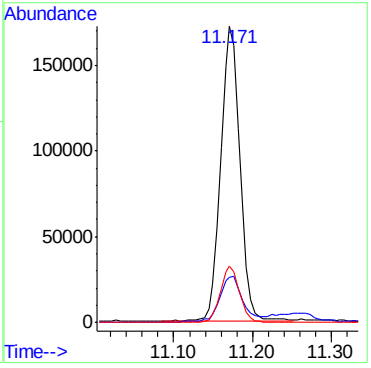




#66
Phenanthrene
Concen: 5.39 ug/ml
RT: 11.171 min Scan# 1661
Delta R.T. -0.091 min
Lab File: j13805.D
Acq: 13 Oct 2009 9:18 pm

Tgt Ion:178 Resp: 292529

Ion	Ratio	Lower	Upper
178	100		
179	18.7	0.0	35.2
176	18.7	0.0	39.2



Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/19/09 17:08

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13800.D
Acq On : 13 Oct 2009 6:50 pm
Operator : sheilac
Sample : t39513-5,40x
Misc : op13230,Ej633,1000,,,1,40,water
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 14 11:20:05 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Tue Oct 13 13:17:41 2009
Response via : Initial Calibration

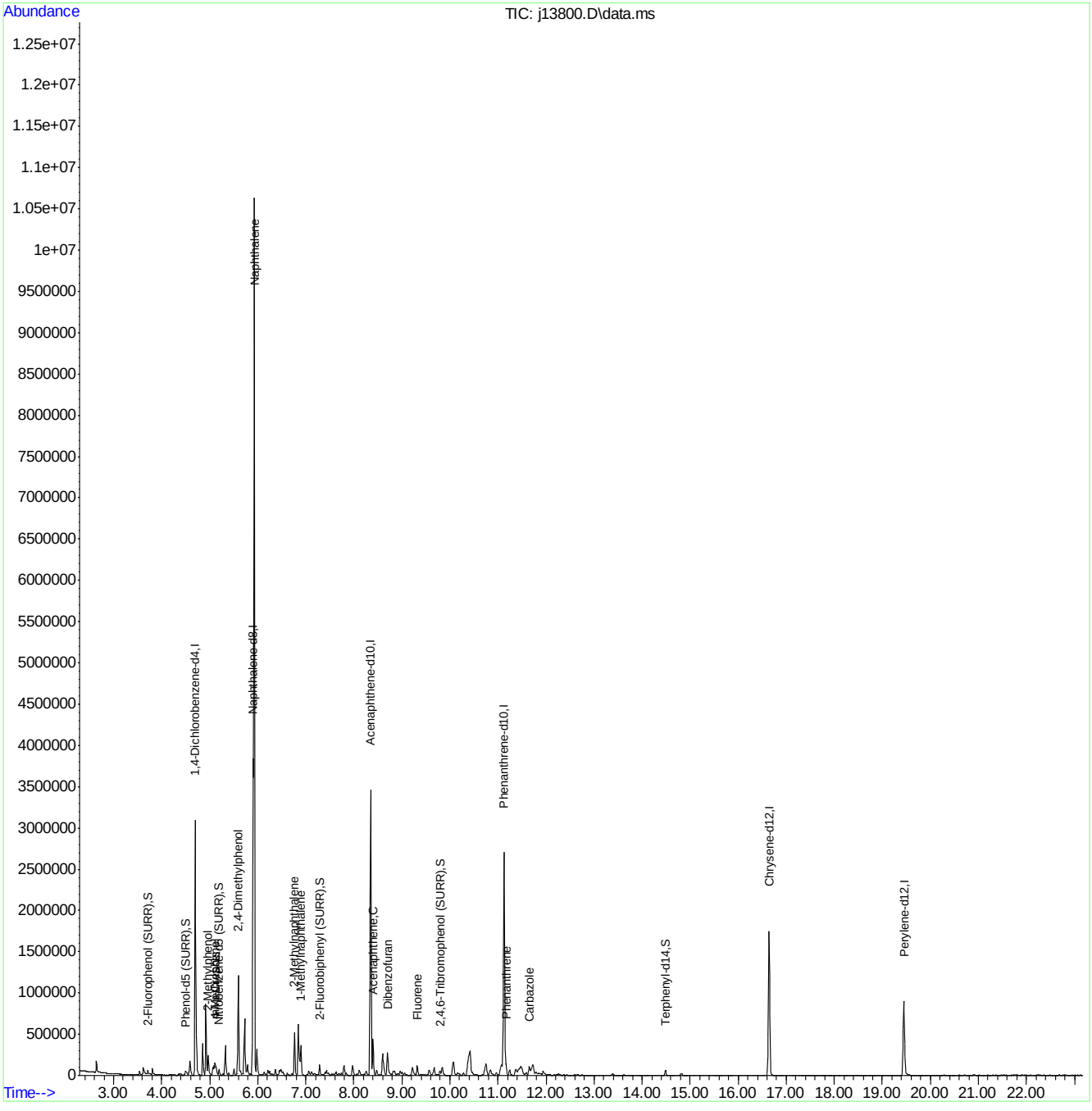
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.699	152	549355	40.00	ug/ml	-0.03
20) Naphthalene-d8	5.903	136	2008864	40.00	ug/ml	-0.04
36) Acenaphthene-d10	8.352	164	1105191	40.00	ug/ml	-0.06
57) Phenanthrene-d10	11.128	188	1626570	40.00	ug/ml	-0.07
71) Chrysene-d12	16.643	240	1219443	40.00	ug/ml	-0.09
80) Perylene-d12	19.451	264	712510	40.00	ug/ml	-0.07
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.715	112	26149	1.52	ug/ml	0.04
Spiked Amount 100.000	Range 10 - 66		Recovery	=	1.52%#	
5) Phenol-d5 (SURR)	4.496	99	25133	1.17	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 53		Recovery	=	1.17%#	
21) Nitrobenzene-d5 (SURR)	5.197	82	23031	1.09	ug/ml	-0.10
Spiked Amount 50.000	Range 29 - 115		Recovery	=	2.18%#	
40) 2-Fluorobiphenyl (SURR)	7.288	172	45701	1.06	ug/ml	-0.26
Spiked Amount 50.000	Range 34 - 113		Recovery	=	2.12%#	
62) 2,4,6-Tribromophenol (...	9.791	330	10267m	1.88	ug/ml	-0.17
Spiked Amount 100.000	Range 32 - 128		Recovery	=	1.88%#	
74) Terphenyl-d14	14.487	244	38611	1.33	ug/ml	-0.11
Spiked Amount 50.000	Range 12 - 145		Recovery	=	2.66%#	
Target Compounds						Qvalue
14) 2-Methylphenol	4.967	108	65711	4.02	ug/ml	99
16) 4-Methylphenol	5.116	108	48526	2.81	ug/ml#	56
17) m+p-Cresols	5.116	108	48526	2.81	ug/ml#	56
25) 2,4-Dimethylphenol	5.598	122	255385m	16.23	ug/ml	
30) Naphthalene	5.929	128	5398652	98.67	ug/ml	100
34) 2-Methylnaphthalene	6.764	142	186124	5.57	ug/ml	98
35) 1-Methylnaphthalene	6.897	142	111818	3.19	ug/ml	97
47) Acenaphthene	8.400	154	140484	4.57	ug/ml	99
50) Dibenzofuran	8.705	168	58440	1.33	ug/ml#	90
54) Fluorene	9.320	166	56507	1.48	ug/ml#	95
66) Phenanthrene	11.171	178	87513	1.81	ug/ml#	45
68) Carbazole	11.652	167	58596	1.56	ug/ml#	59

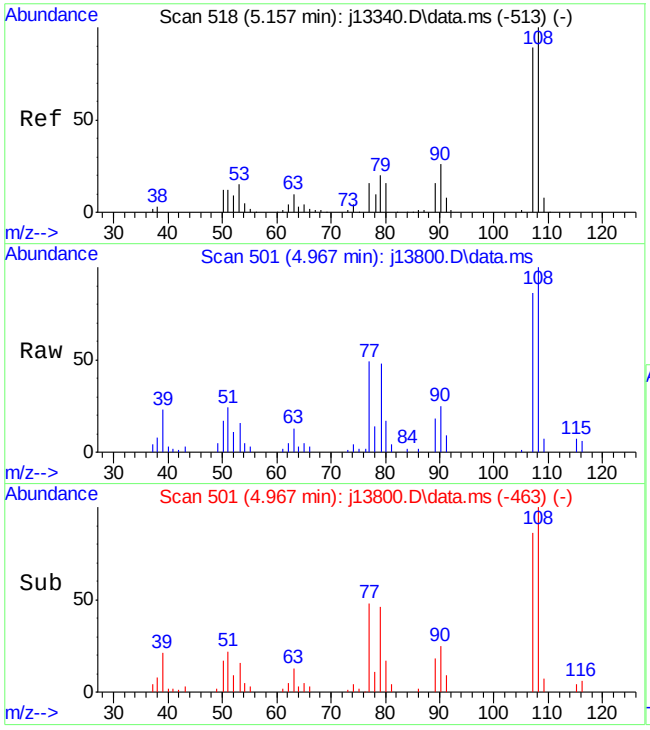
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13800.D
Acq On : 13 Oct 2009 6:50 pm
Operator : sheilac
Sample : t39513-5,40x
Misc : op13230,Ej633,1000,,,1,40,water
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 14 11:20:05 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Tue Oct 13 13:17:41 2009
Response via : Initial Calibration

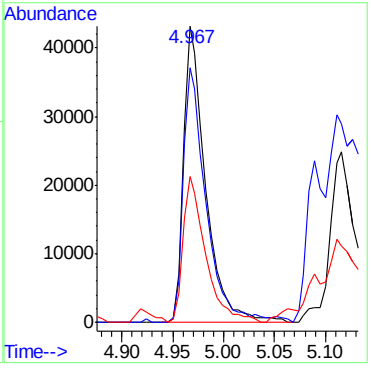


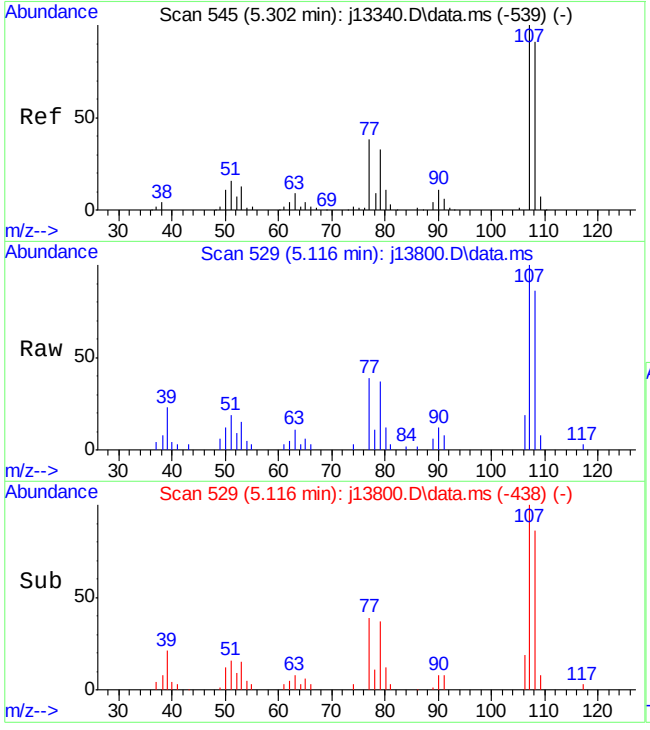


#14
2-Methylphenol
Concen: 4.02 ug/ml
RT: 4.967 min Scan# 501
Delta R.T. 0.005 min
Lab File: j13800.D
Acq: 13 Oct 2009 6:50 pm

Tgt Ion:108 Resp: 65711

Ion	Ratio	Lower	Upper
108	100		
107	87.8	68.3	108.3
77	50.2	30.8	70.8

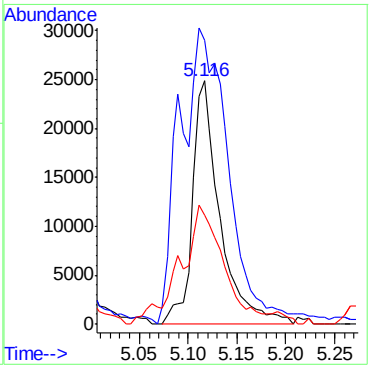


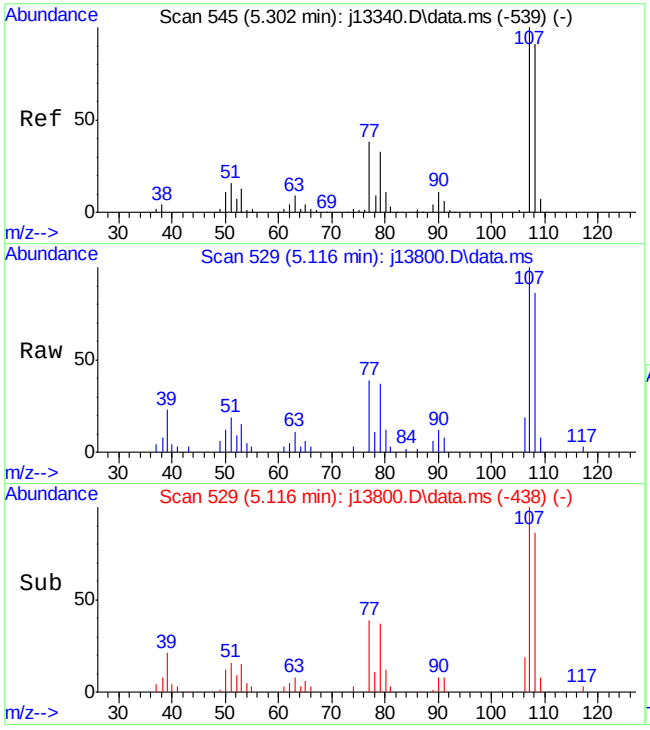


#16
4-Methylphenol
Concen: 2.81 ug/ml
RT: 5.116 min Scan# 529
Delta R.T. -0.013 min
Lab File: j13800.D
Acq: 13 Oct 2009 6:50 pm

Tgt Ion:108 Resp: 48526

Ion	Ratio	Lower	Upper
108	100		
107	151.4	90.0	130.0#
77	76.7	20.6	60.6#

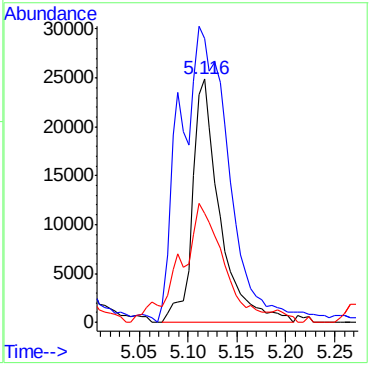


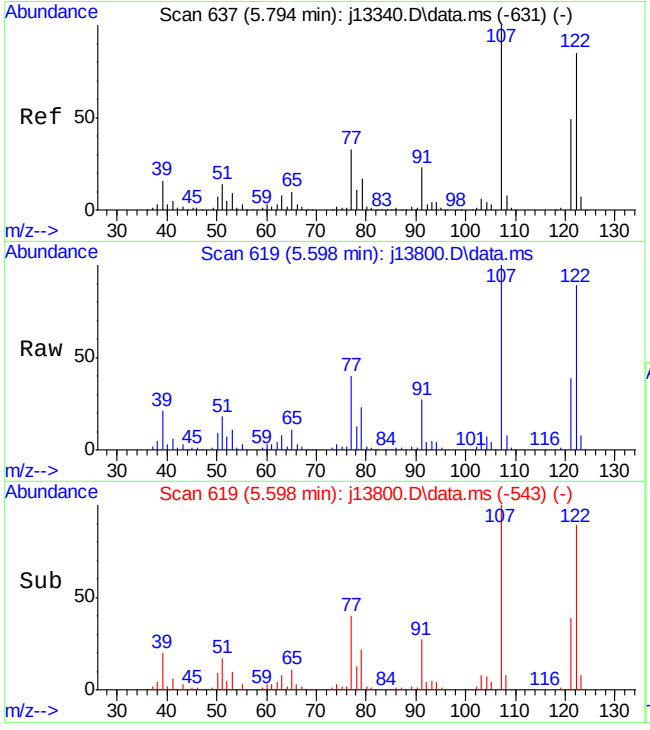


#17
m+p-Cresols
Concen: 2.81 ug/ml
RT: 5.116 min Scan# 529
Delta R.T. -0.013 min
Lab File: j13800.D
Acq: 13 Oct 2009 6:50 pm

Tgt Ion:108 Resp: 48526

Ion	Ratio	Lower	Upper
108	100		
107	151.4	90.0	130.0#
77	76.7	20.6	60.6#

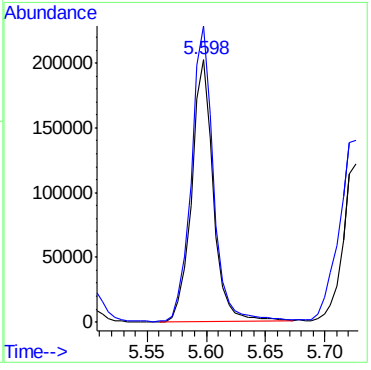


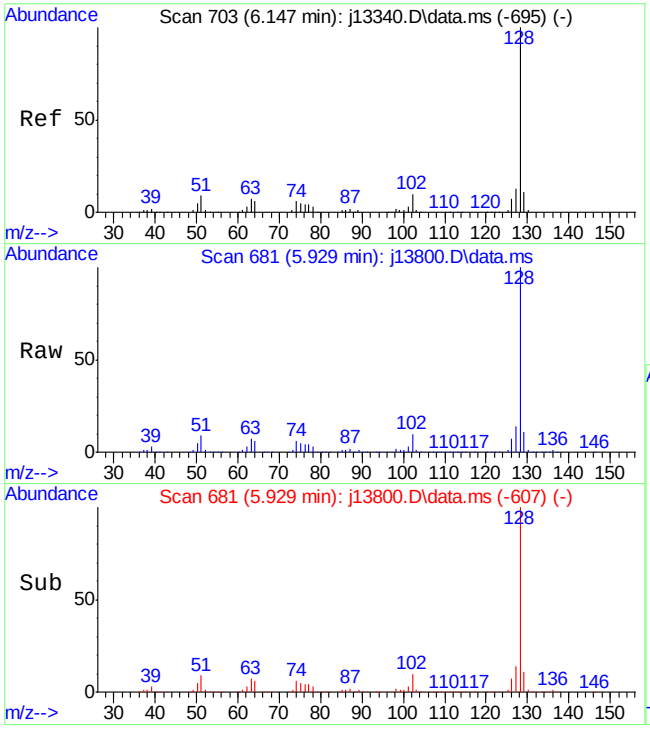


#25
2,4-Dimethylphenol
Concen: 16.23 ug/ml m
RT: 5.598 min Scan# 619
Delta R.T. -0.096 min
Lab File: j13800.D
Acq: 13 Oct 2009 6:50 pm

Tgt Ion:122 Resp: 255385

Ion	Ratio	Lower	Upper
122	100		
107	89.2	96.7	136.7#

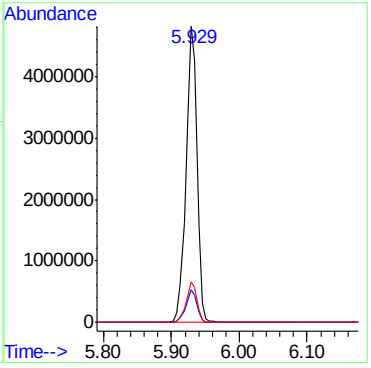


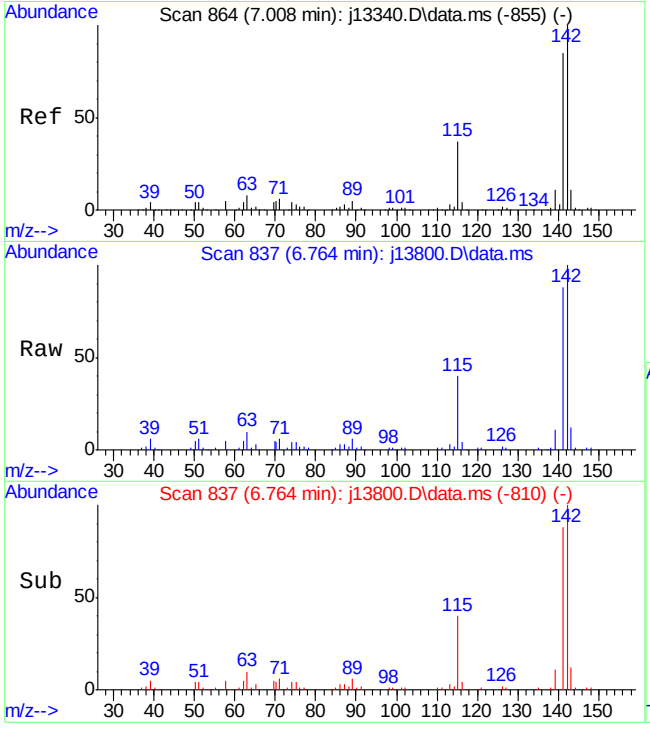


#30
Naphthalene
Concen: 98.67 ug/ml
RT: 5.929 min Scan# 681
Delta R.T. -0.105 min
Lab File: j13800.D
Acq: 13 Oct 2009 6:50 pm

Tgt Ion:128 Resp: 5398652

Ion	Ratio	Lower	Upper
128	100		
129	10.8	0.0	30.9
127	13.4	0.0	33.4

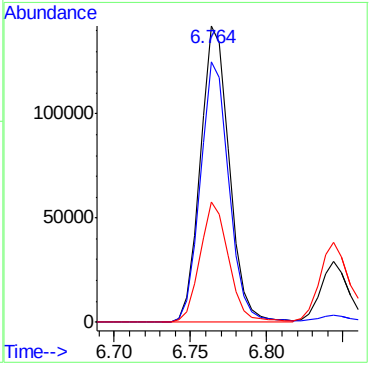


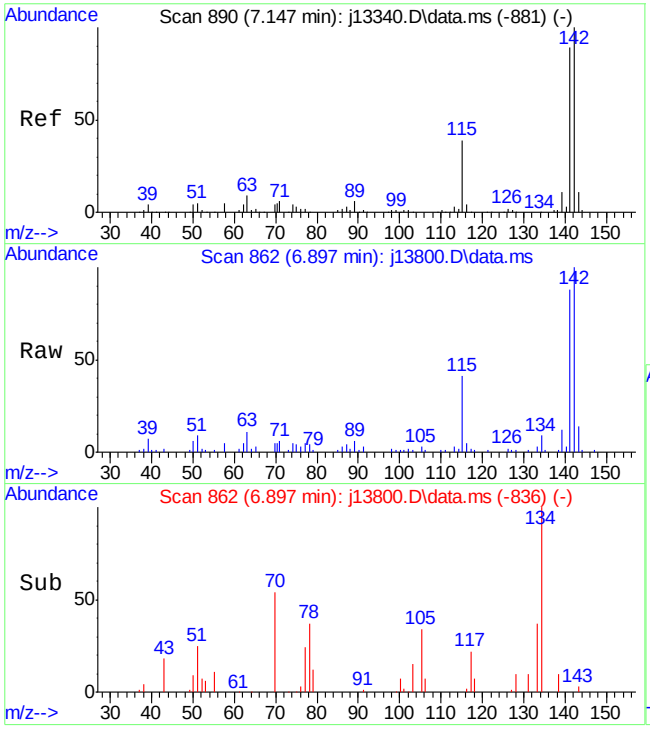


#34
2-Methylnaphthalene
Concen: 5.57 ug/ml
RT: 6.764 min Scan# 837
Delta R.T. -0.053 min
Lab File: j13800.D
Acq: 13 Oct 2009 6:50 pm

Tgt Ion:142 Resp: 186124

Ion	Ratio	Lower	Upper
142	100		
141	87.0	66.2	106.2
115	40.3	17.8	57.8

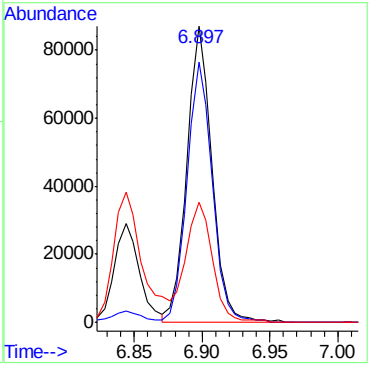


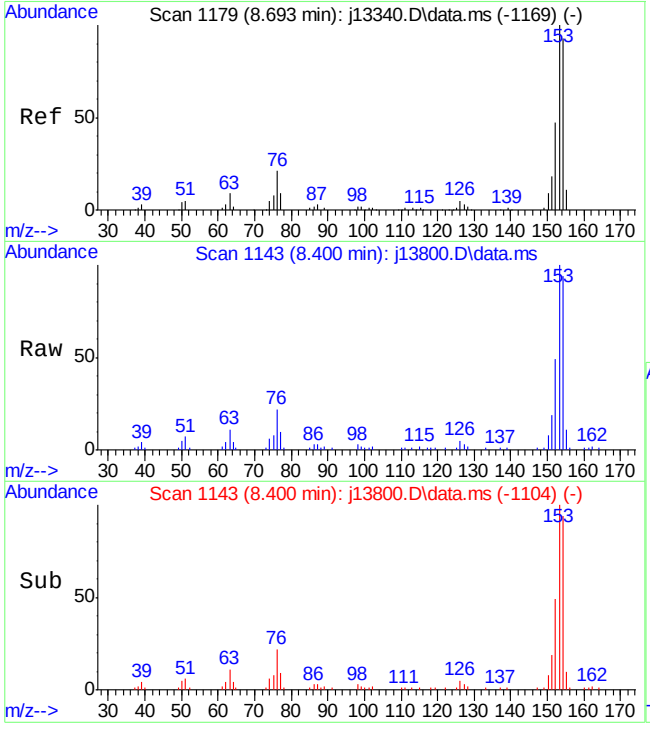


#35
1-Methylnaphthalene
Concen: 3.19 ug/ml
RT: 6.897 min Scan# 862
Delta R.T. -0.059 min
Lab File: j13800.D
Acq: 13 Oct 2009 6:50 pm

Tgt Ion:142 Resp: 111818

Ion	Ratio	Lower	Upper
142	100		
141	88.4	69.4	109.4
115	43.3	18.9	58.9

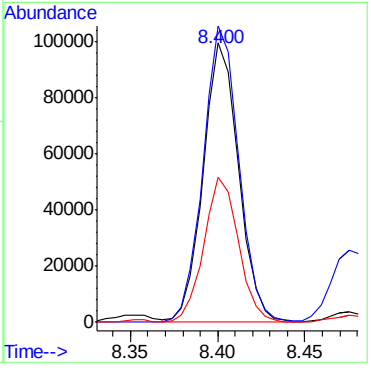


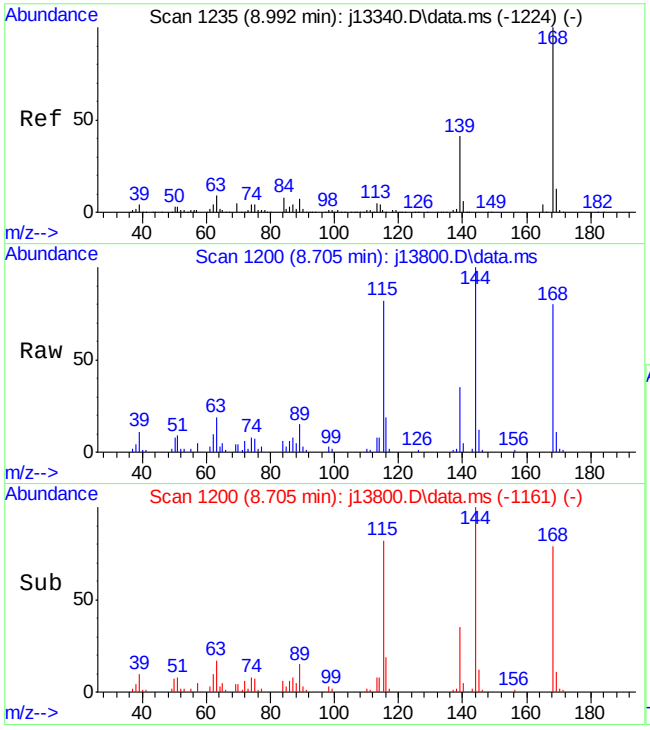


#47
Acenaphthene
Concen: 4.57 ug/ml
RT: 8.400 min Scan# 1143
Delta R.T. -0.293 min
Lab File: j13800.D
Acq: 13 Oct 2009 6:50 pm

Tgt Ion:154 Resp: 140484

Ion	Ratio	Lower	Upper
154	100		
153	106.9	87.9	127.9
152	50.8	31.3	71.3

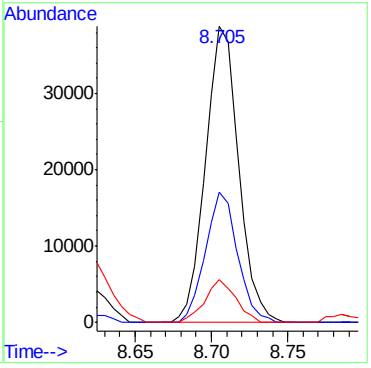


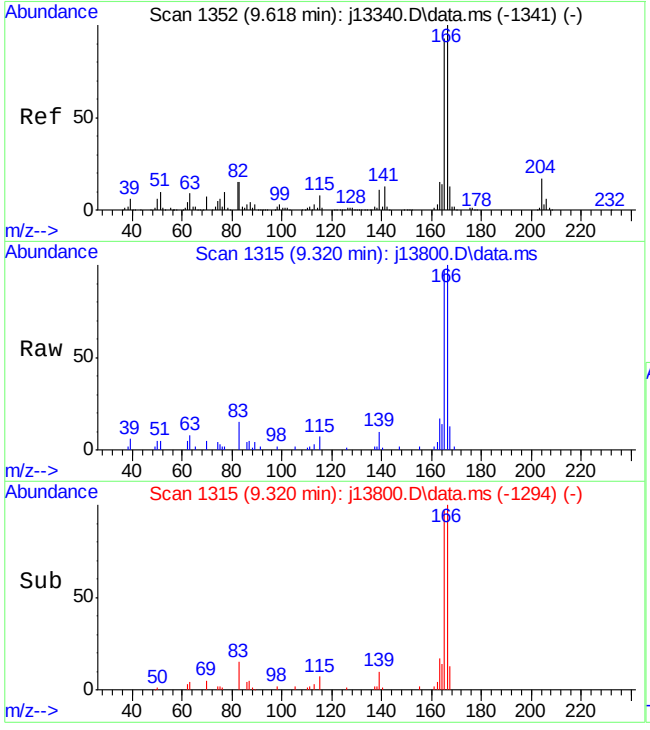


#50
Dibenzofuran
Concen: 1.33 ug/ml
RT: 8.705 min Scan# 1200
Delta R.T. -0.293 min
Lab File: j13800.D
Acq: 13 Oct 2009 6:50 pm

Tgt Ion:168 Resp: 58440

Ion	Ratio	Lower	Upper
168	100		
139	42.5	21.2	61.2
169	0.0	0.0	33.2

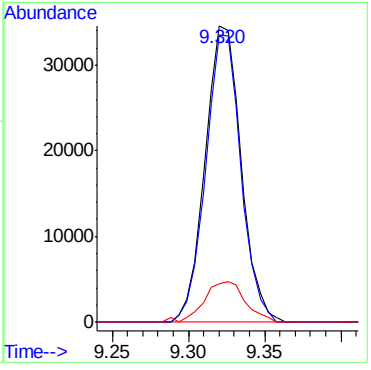


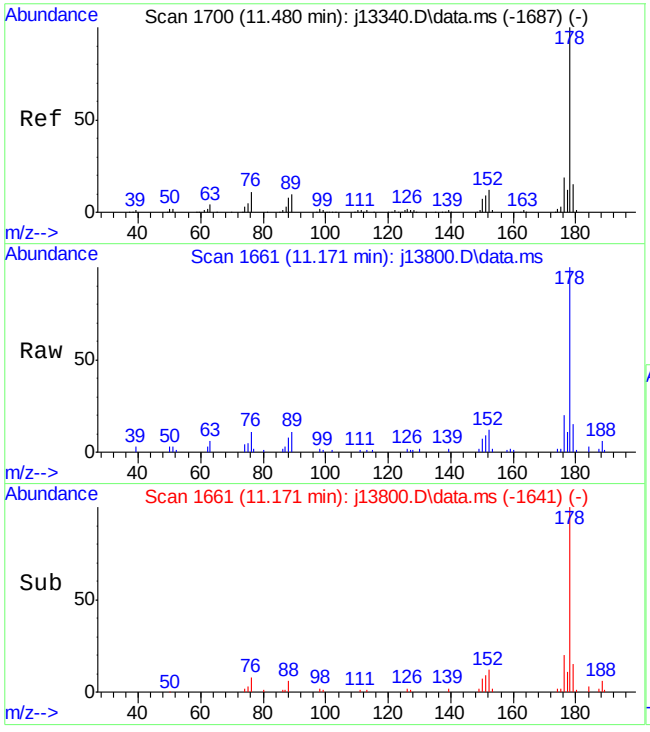


#54
Fluorene
Concen: 1.48 ug/ml
RT: 9.320 min Scan# 1315
Delta R.T. -0.086 min
Lab File: j13800.D
Acq: 13 Oct 2009 6:50 pm

Tgt Ion:166 Resp: 56507

Ion	Ratio	Lower	Upper
166	100		
165	94.7	73.8	113.8
167	0.0	0.0	33.3

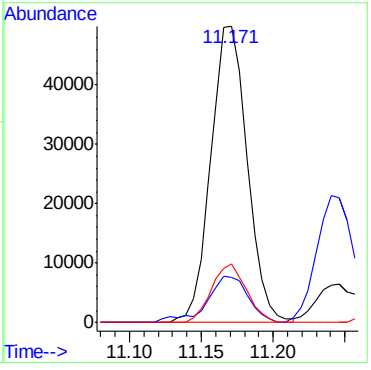


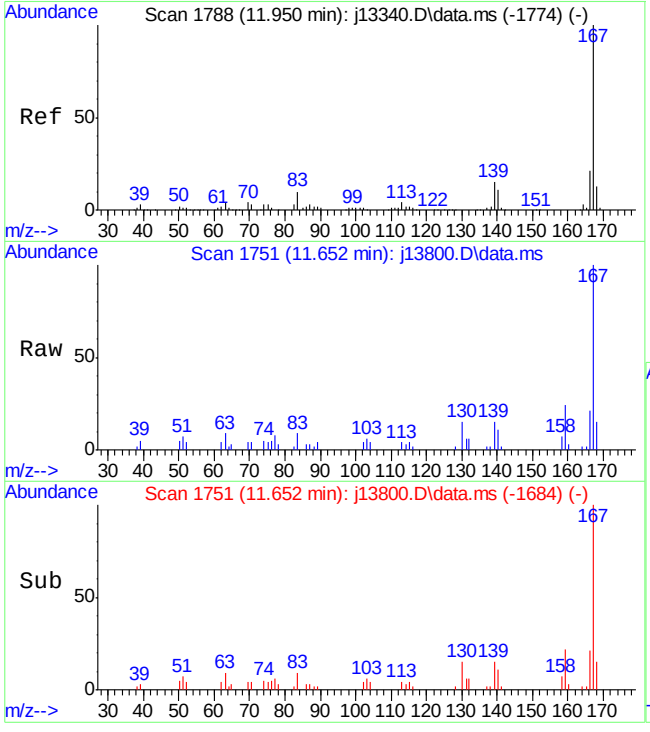


#66
Phenanthrene
Concen: 1.81 ug/ml
RT: 11.171 min Scan# 1661
Delta R.T. -0.091 min
Lab File: j13800.D
Acq: 13 Oct 2009 6:50 pm

Tgt Ion:178 Resp: 87513

Ion	Ratio	Lower	Upper
178	100		
179	44.9	0.0	35.2#
176	0.0	0.0	39.2

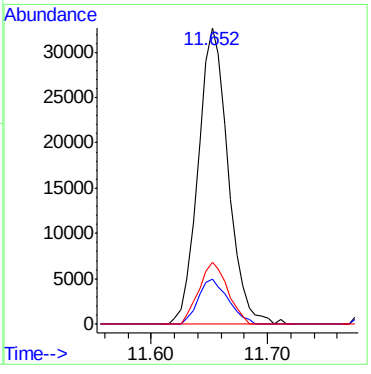




#68
Carbazole
Concen: 1.56 ug/ml
RT: 11.652 min Scan# 1751
Delta R.T. -0.141 min
Lab File: j13800.D
Acq: 13 Oct 2009 6:50 pm

Tgt Ion:167 Resp: 58596

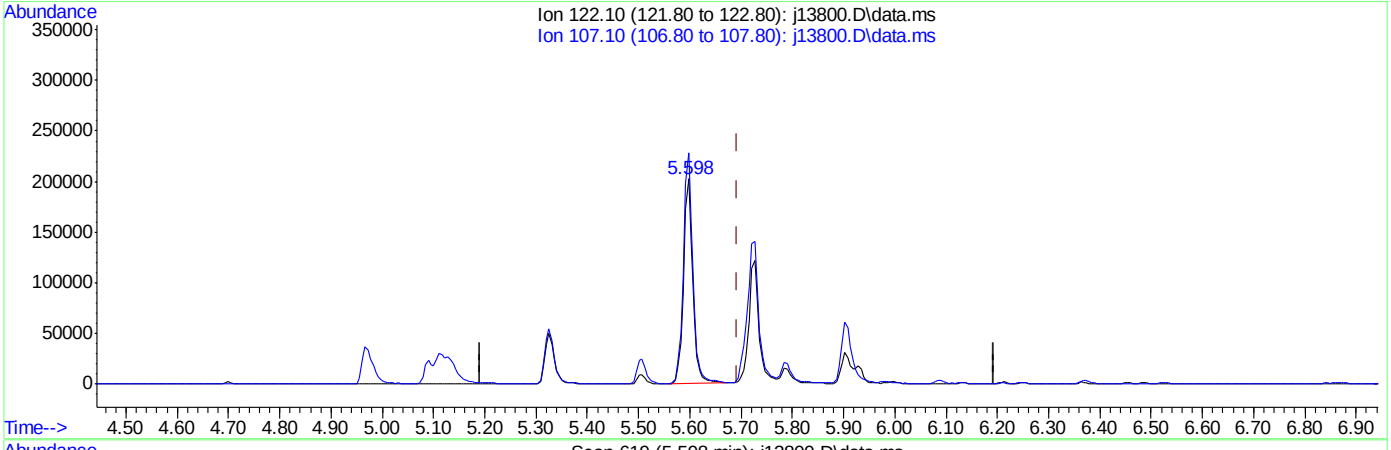
Ion	Ratio	Lower	Upper
167	100		
139	0.0	0.0	34.1
166	0.0	0.9	40.9#

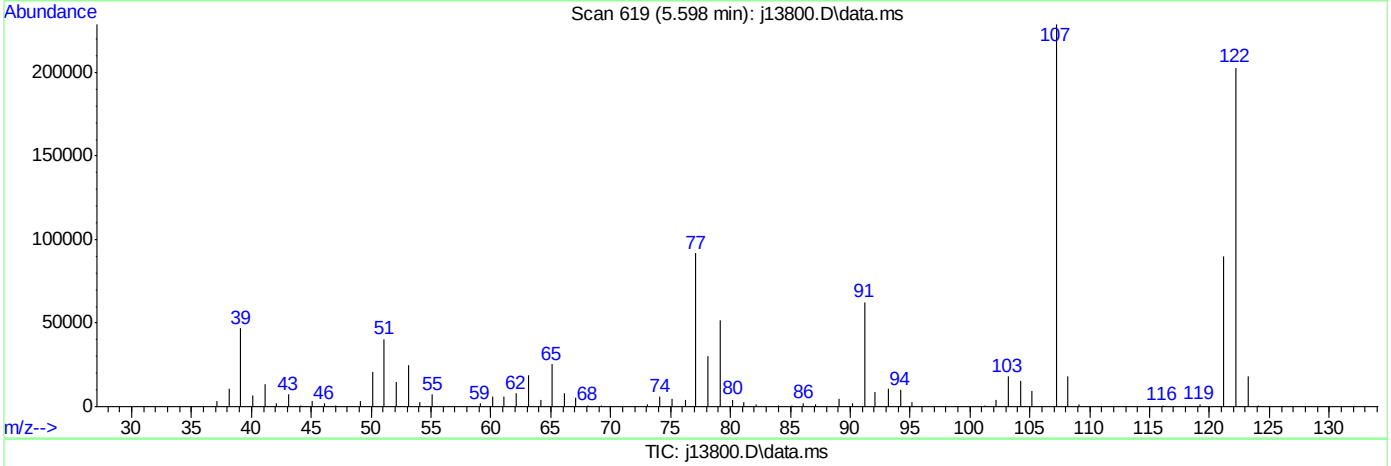


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13800.D
Acq On : 13 Oct 2009 6:50 pm
Operator : sheilac
Sample : t39513-5,40x
Misc : op13230,Ej633,1000,,,1,40,water
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 14 11:20:05 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Tue Oct 13 13:17:41 2009
Response via : Initial Calibration





TIC: j13800.D\data.ms

(25) 2,4-Dimethylphenol

5.598min (-0.096) 16.23ug/ml m

response 255385

Ion	Exp%	Act%
122.10	100	100
107.10	116.70	89.22#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/19/09 17:08

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13806.D
Acq On : 13 Oct 2009 9:48 pm
Operator : sheilac
Sample : t39513-5,4x
Misc : op13230,Ej633,1000,,,1,4,water
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 14 12:00:08 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Oct 14 11:40:42 2009
Response via : Initial Calibration

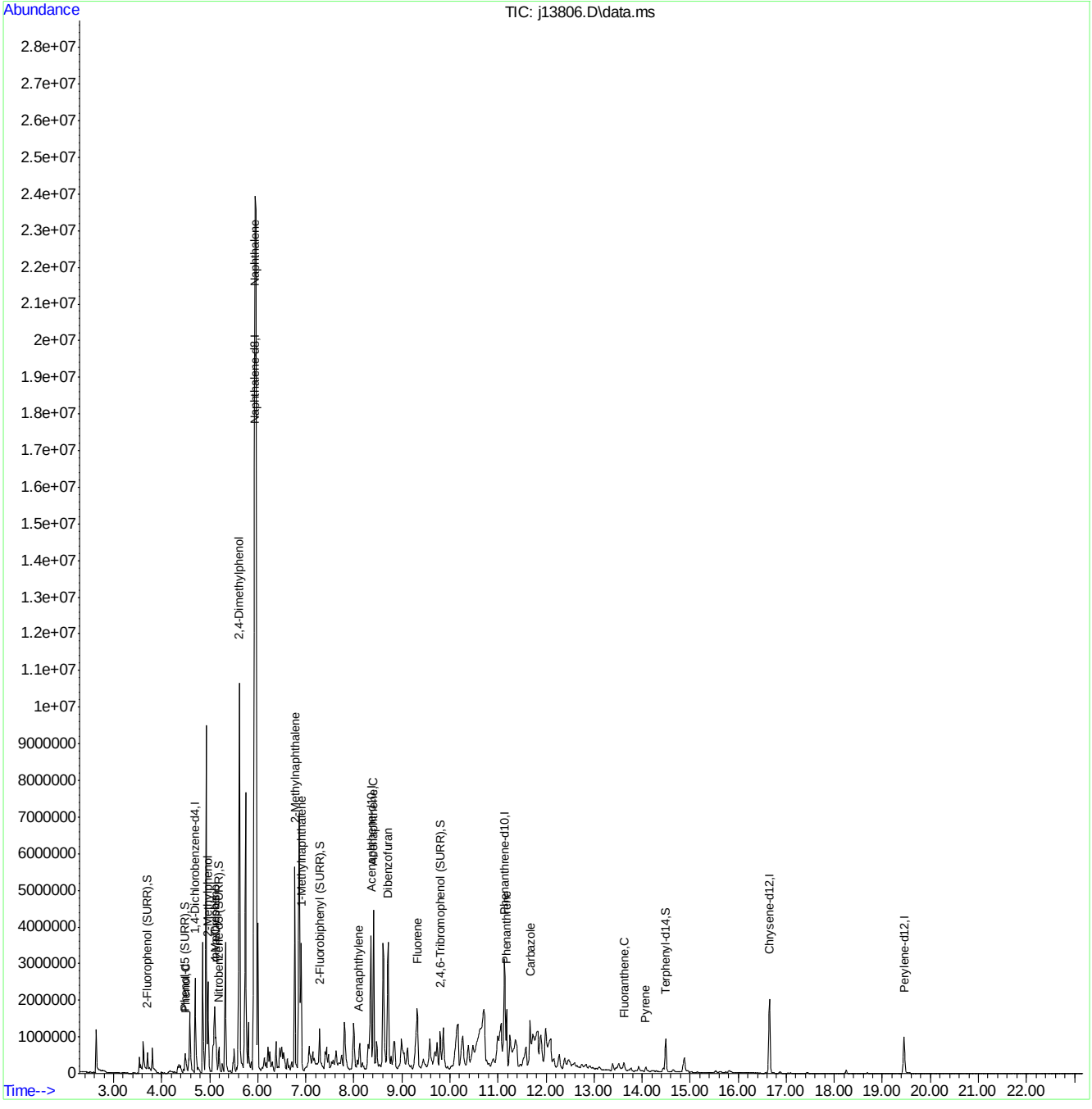
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.699	152	493180	40.00	ug/ml	-0.03
20) Naphthalene-d8	5.929	136	2107840	40.00	ug/ml	0.03
36) Acenaphthene-d10	8.358	164	1174526	40.00	ug/ml	-0.06
57) Phenanthrene-d10	11.139	188	1870164	40.00	ug/ml	-0.06
71) Chrysene-d12	16.653	240	1425202	40.00	ug/ml	-0.08
80) Perylene-d12	19.451	264	772428	40.00	ug/ml	-0.07
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.704	112	240443	15.54	ug/ml	0.03
Spiked Amount 100.000	Range 10 - 66		Recovery = 15.54%			
5) Phenol-d5 (SURR)	4.480	99	238598	12.33	ug/ml	-0.02
Spiked Amount 100.000	Range 10 - 53		Recovery = 12.33%			
21) Nitrobenzene-d5 (SURR)	5.191	82	213653	9.67	ug/ml	-0.11
Spiked Amount 50.000	Range 29 - 115		Recovery = 19.34%#			
40) 2-Fluorobiphenyl (SURR)	7.288	172	428082	9.36	ug/ml	-0.26
Spiked Amount 50.000	Range 34 - 113		Recovery = 18.72%#			
62) 2,4,6-Tribromophenol (...	9.802	330	137144	21.80	ug/ml	-0.16
Spiked Amount 100.000	Range 32 - 128		Recovery = 21.80%#			
74) Terphenyl-d14	14.492	244	446948	13.13	ug/ml	-0.10
Spiked Amount 50.000	Range 12 - 145		Recovery = 26.26%			
Target Compounds						Qvalue
6) Phenol	4.496	94	138237	6.60	ug/ml#	78
14) 2-Methylphenol	4.961	108	612049	41.71	ug/ml	98
16) 4-Methylphenol	5.106	108	463394	29.85	ug/ml#	19
17) m+p-Cresols	5.106	108	463394	29.85	ug/ml#	19
25) 2,4-Dimethylphenol	5.619	122	2810990	170.30	ug/ml	98
30) Naphthalene	5.935	128	28950715m	504.28	ug/ml	
34) 2-Methylnaphthalene	6.774	142	1873355	53.41	ug/ml	99
35) 1-Methylnaphthalene	6.908	142	1061159	28.89	ug/ml	98
44) Acenaphthylene	8.106	152	129753	2.33	ug/ml	90
47) Acenaphthene	8.411	154	1455534	44.54	ug/ml	99
50) Dibenzofuran	8.711	168	627117	13.43	ug/ml	98
54) Fluorene	9.326	166	598171	14.70	ug/ml	98
66) Phenanthrene	11.182	178	939698	16.87	ug/ml	98
68) Carbazole	11.668	167	648912	15.02	ug/ml	99
70) Fluoranthene	13.621	202	100876	2.00	ug/ml	96
73) Pyrene	14.075	202	74145	1.48	ug/ml	88

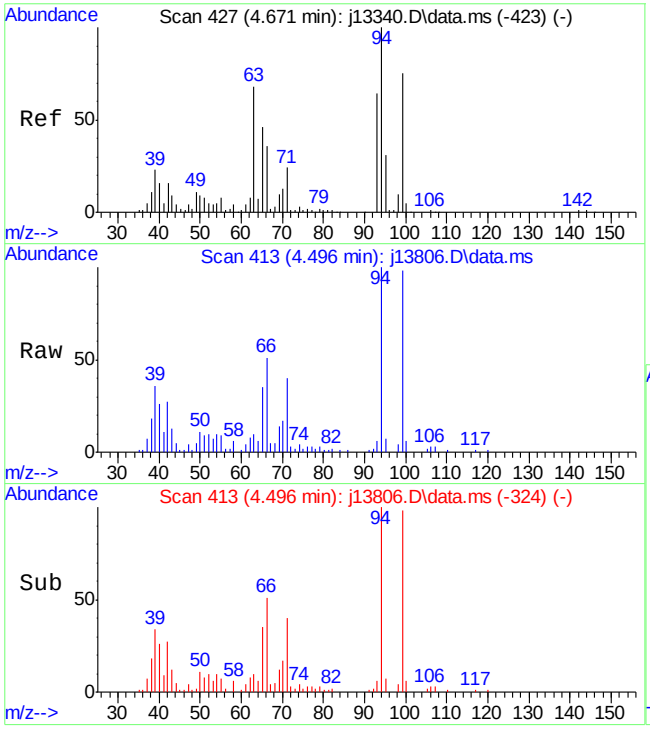
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13806.D
Acq On : 13 Oct 2009 9:48 pm
Operator : sheilac
Sample : t39513-5,4x
Misc : op13230,Ej633,1000,,,1,4,water
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 14 12:00:08 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Oct 14 11:40:42 2009
Response via : Initial Calibration

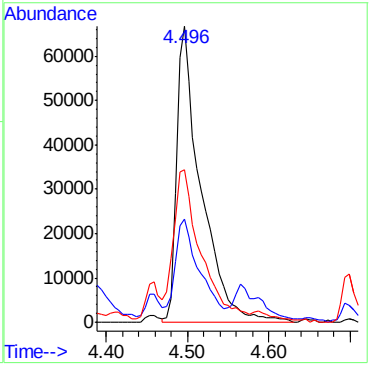


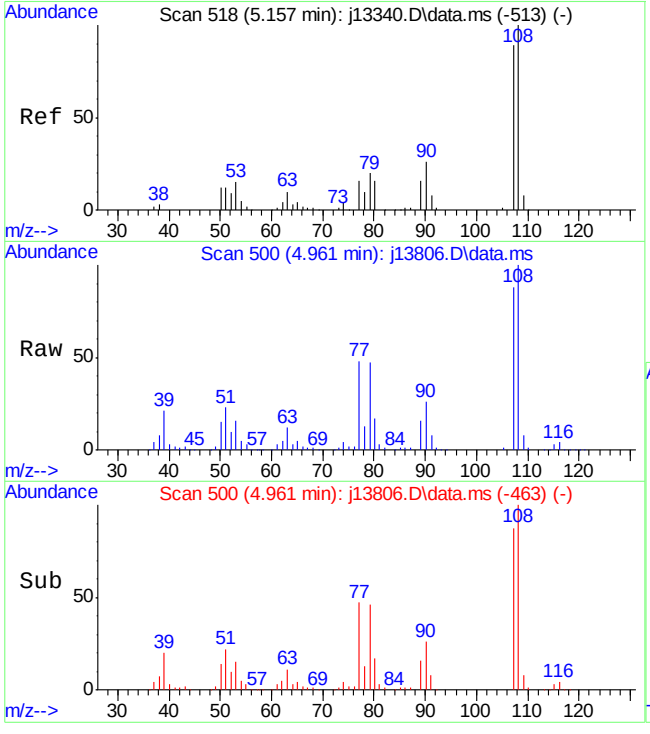


#6
Phenol
Concen: 6.60 ug/ml
RT: 4.496 min Scan# 413
Delta R.T. -0.023 min
Lab File: j13806.D
Acq: 13 Oct 2009 9:48 pm

Tgt Ion: 94 Resp: 138237

Ion	Ratio	Lower	Upper
94	100		
65	27.8	35.3	75.3#
66	52.8	37.4	77.4

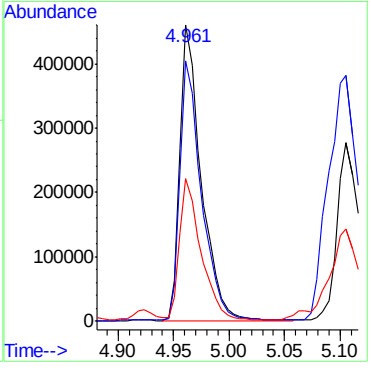


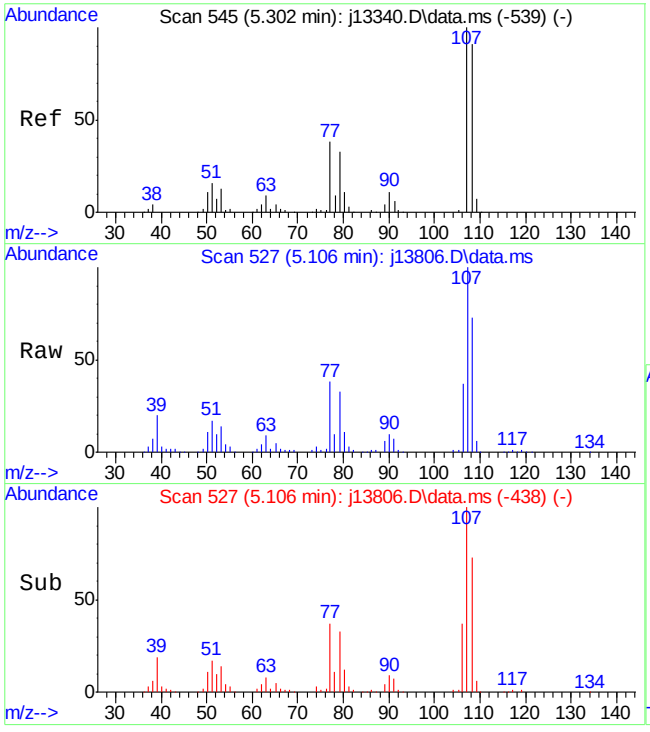


#14
2-Methylphenol
Concen: 41.71 ug/ml
RT: 4.961 min Scan# 500
Delta R.T. -0.000 min
Lab File: j13806.D
Acq: 13 Oct 2009 9:48 pm

Tgt Ion:108 Resp: 612049

Ion	Ratio	Lower	Upper
108	100		
107	89.2	68.3	108.3
77	48.1	30.8	70.8

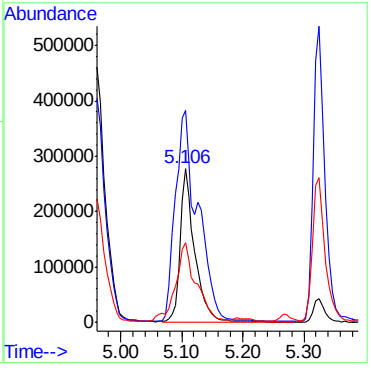


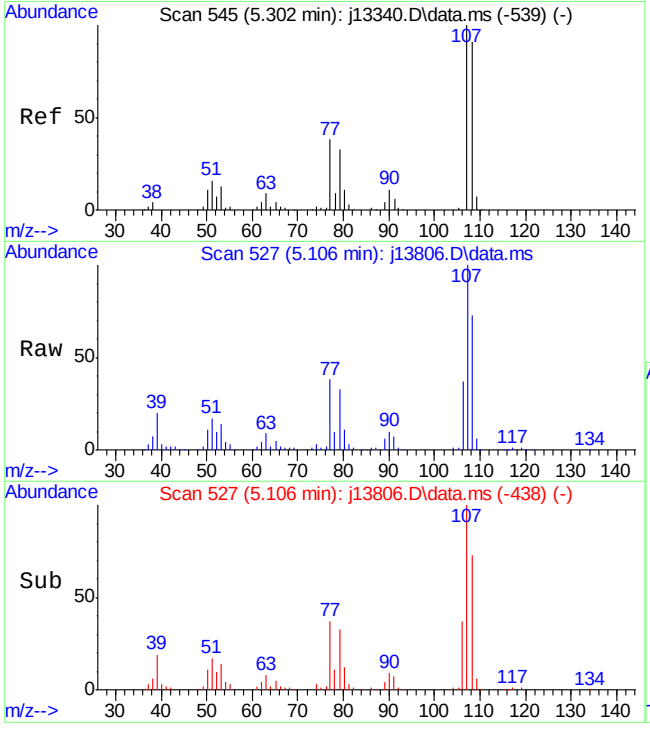


#16
4-Methylphenol
Concen: 29.85 ug/ml
RT: 5.106 min Scan# 527
Delta R.T. -0.024 min
Lab File: j13806.D
Acq: 13 Oct 2009 9:48 pm

Tgt Ion:108 Resp: 463394

Ion	Ratio	Lower	Upper
108	100		
107	208.1	90.0	130.0#
77	71.5	20.6	60.6#

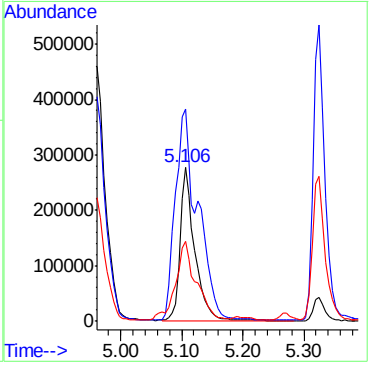


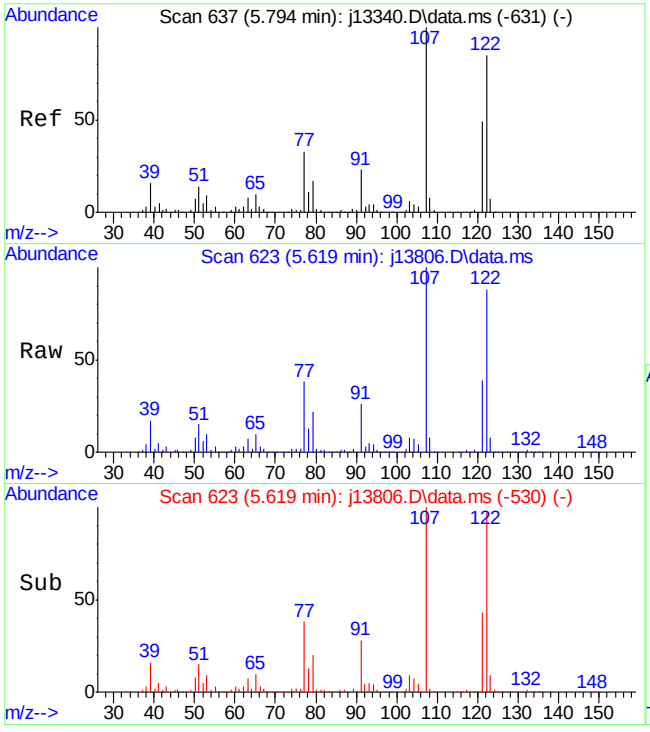


#17
m+p-Cresols
Concen: 29.85 ug/ml
RT: 5.106 min Scan# 527
Delta R.T. -0.024 min
Lab File: j13806.D
Acq: 13 Oct 2009 9:48 pm

Tgt Ion:108 Resp: 463394

Ion	Ratio	Lower	Upper
108	100		
107	208.1	90.0	130.0#
77	71.5	20.6	60.6#

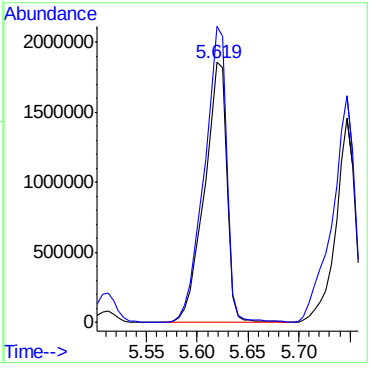


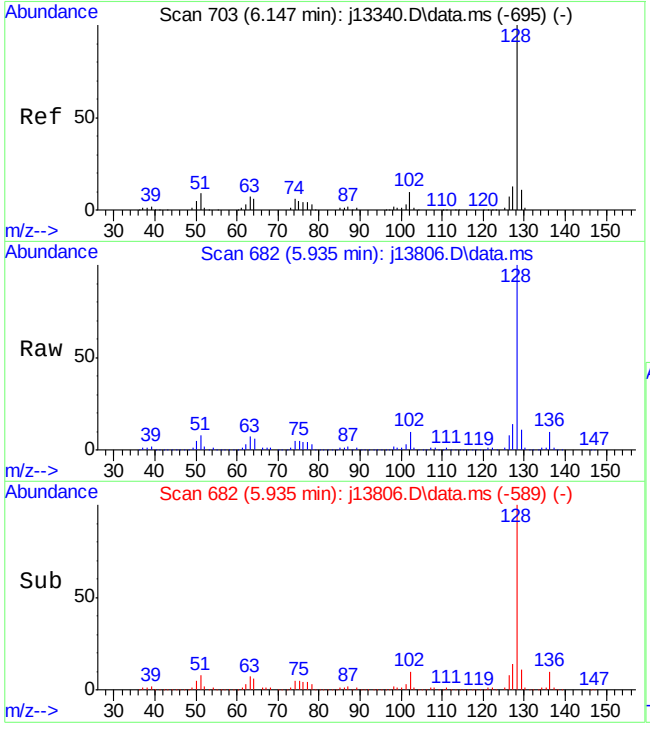


#25
2,4-Dimethylphenol
Concen: 170.30 ug/ml
RT: 5.619 min Scan# 623
Delta R.T. 0.000 min
Lab File: j13806.D
Acq: 13 Oct 2009 9:48 pm

Tgt Ion:122 Resp: 2810990

Ion	Ratio	Lower	Upper
122	100		
107	114.0	96.3	136.3

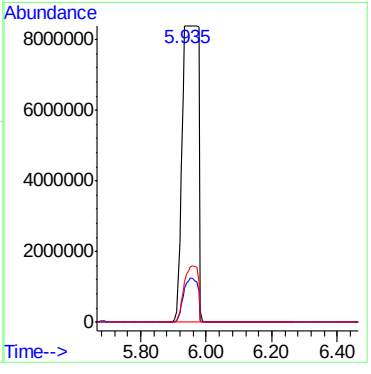


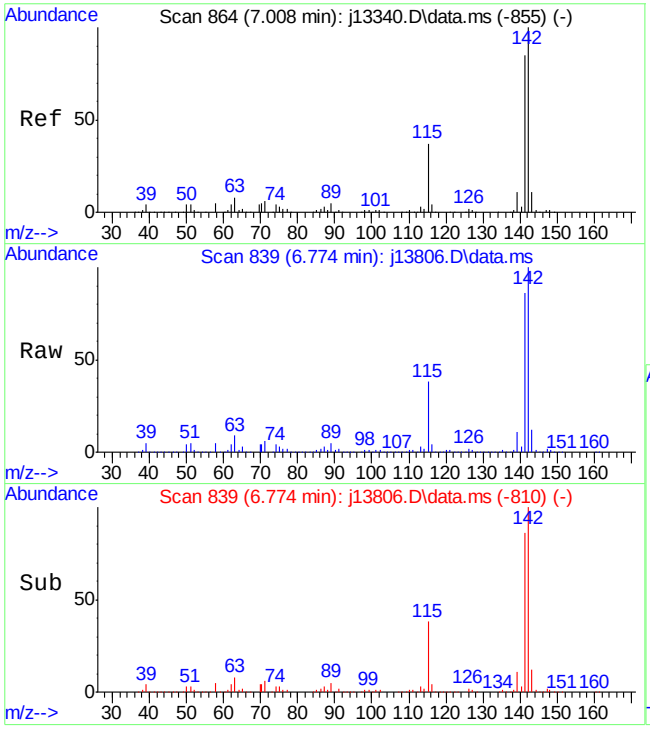


#30
Naphthalene
Concen: 504.28 ug/ml m
RT: 5.935 min Scan# 682
Delta R.T. 0.000 min
Lab File: j13806.D
Acq: 13 Oct 2009 9:48 pm

Tgt Ion:128 Resp:28950715

Ion	Ratio	Lower	Upper
128	100		
129	0.1	0.0	31.2
127	0.0	0.0	33.8

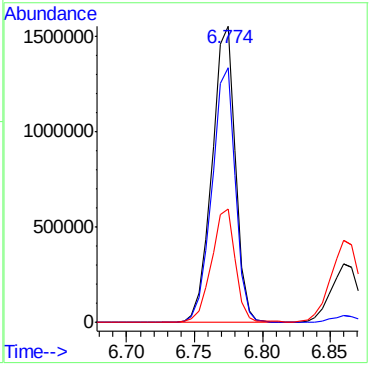


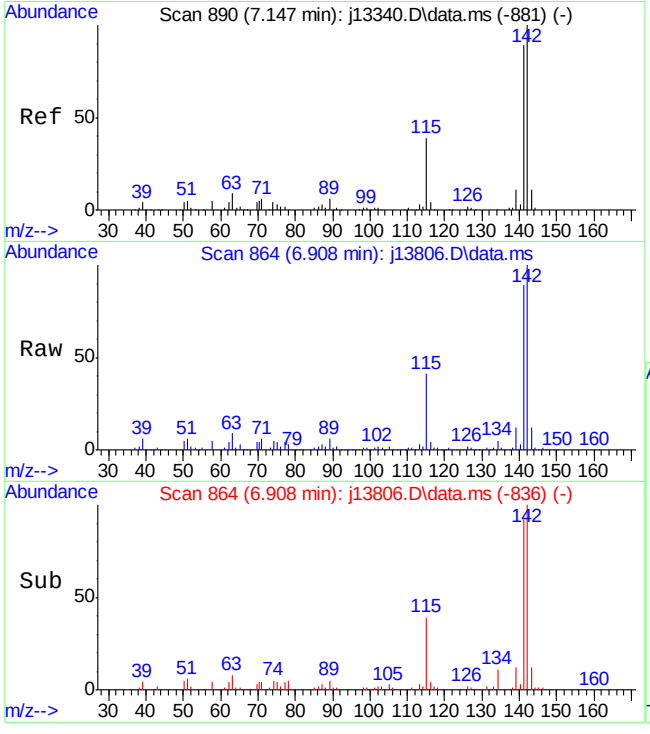


#34
2-Methylnaphthalene
Concen: 53.41 ug/ml
RT: 6.774 min Scan# 839
Delta R.T. -0.043 min
Lab File: j13806.D
Acq: 13 Oct 2009 9:48 pm

Tgt Ion:142 Resp: 1873355

Ion	Ratio	Lower	Upper
142	100		
141	86.1	66.2	106.2
115	38.8	17.8	57.8

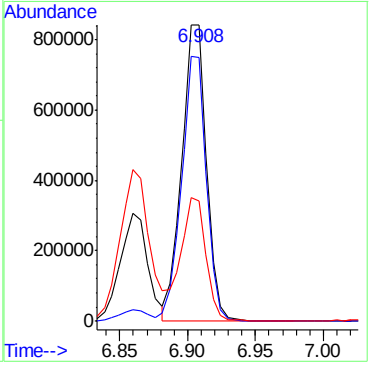




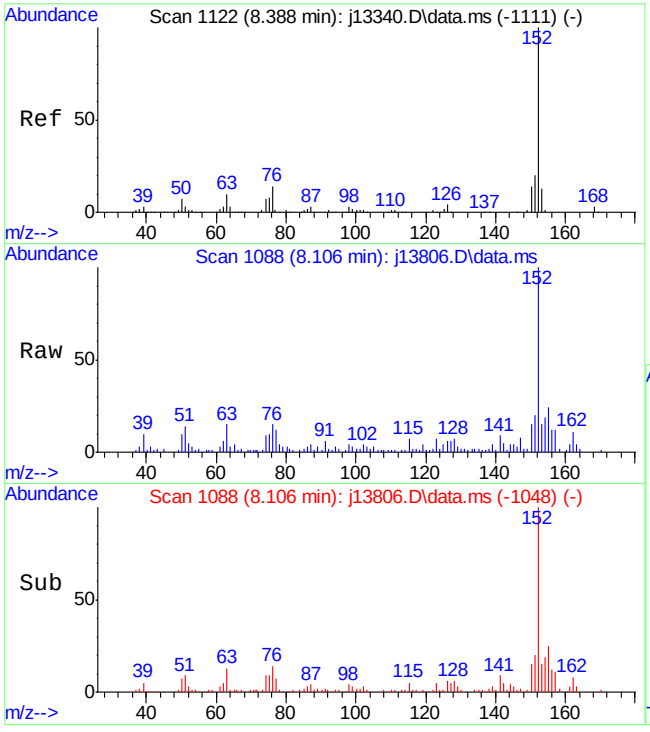
#35
1-Methylnaphthalene
Concen: 28.89 ug/ml
RT: 6.908 min Scan# 864
Delta R.T. -0.048 min
Lab File: j13806.D
Acq: 13 Oct 2009 9:48 pm

Tgt Ion:142 Resp: 1061159

Ion	Ratio	Lower	Upper
142	100		
141	89.6	69.4	109.4
115	43.3	18.9	58.9



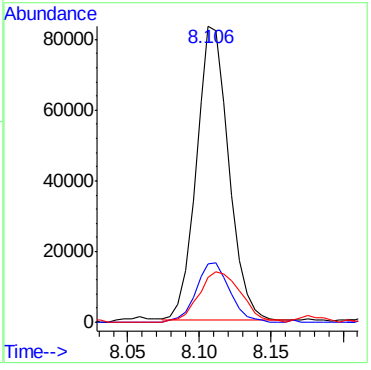
8.1.11
8

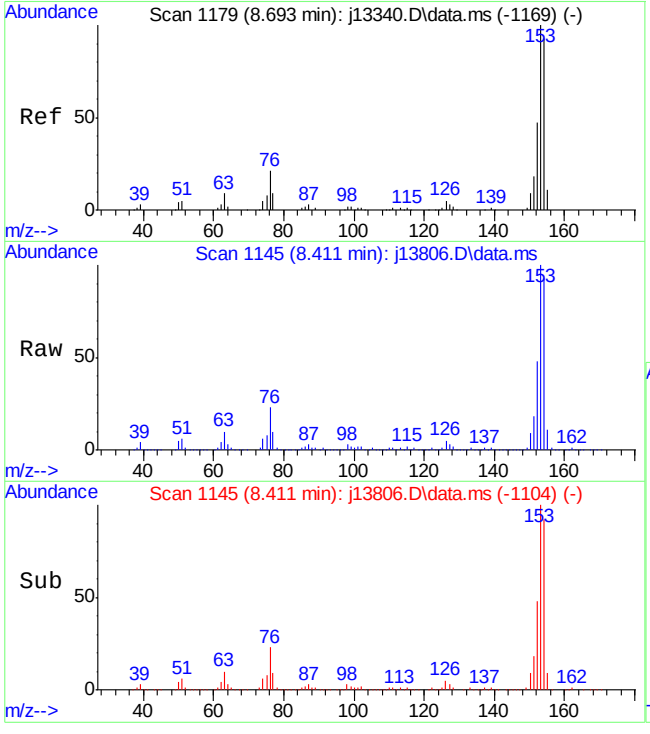


#44
Acenaphthylene
Concen: 2.33 ug/ml
RT: 8.106 min Scan# 1088
Delta R.T. -0.287 min
Lab File: j13806.D
Acq: 13 Oct 2009 9:48 pm

Tgt Ion:152 Resp: 129753

Ion	Ratio	Lower	Upper
152	100		
151	21.1	0.2	40.2
153	22.4	0.0	33.0

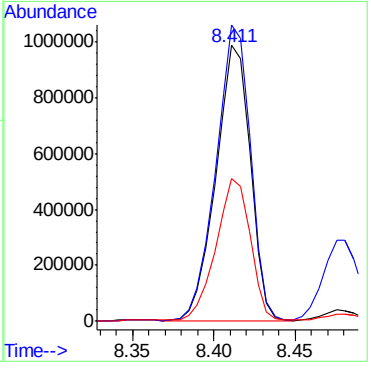


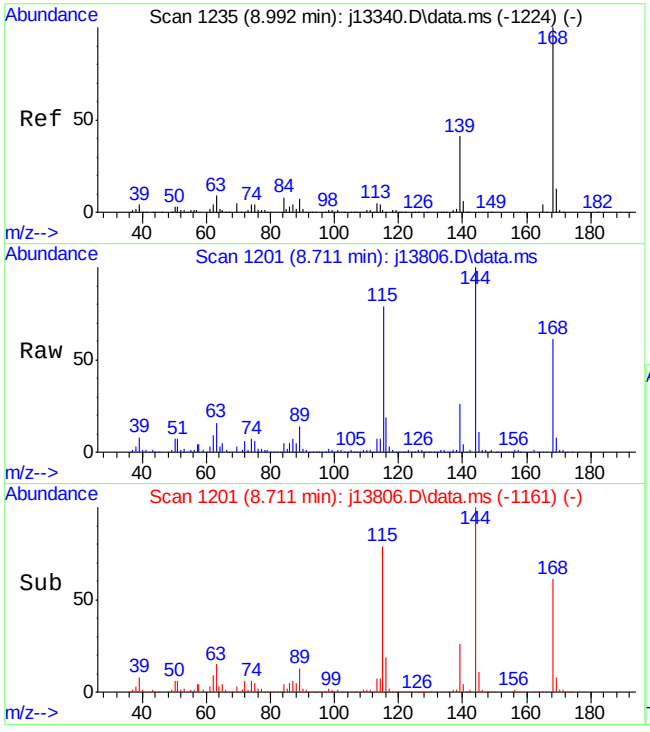


#47
Acenaphthene
Concen: 44.54 ug/ml
RT: 8.411 min Scan# 1145
Delta R.T. -0.282 min
Lab File: j13806.D
Acq: 13 Oct 2009 9:48 pm

Tgt Ion:154 Resp: 1455534

Ion	Ratio	Lower	Upper
154	100		
153	107.0	87.9	127.9
152	51.8	31.3	71.3

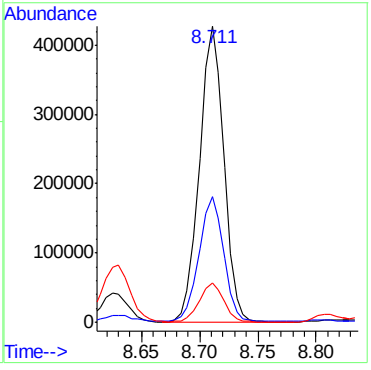


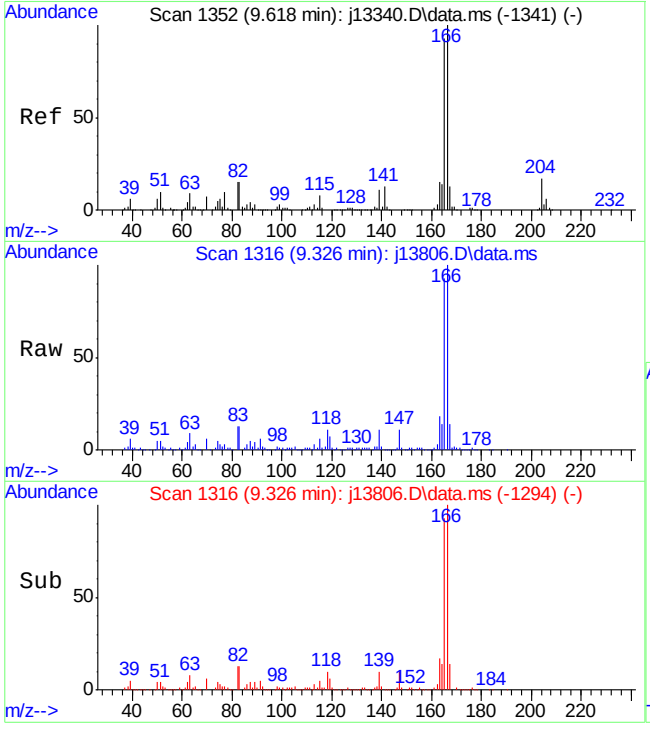


#50
Dibenzofuran
Concen: 13.43 ug/ml
RT: 8.711 min Scan# 1201
Delta R.T. -0.287 min
Lab File: j13806.D
Acq: 13 Oct 2009 9:48 pm

Tgt Ion:168 Resp: 627117

Ion	Ratio	Lower	Upper
168	100		
139	42.3	21.2	61.2
169	13.6	0.0	33.2

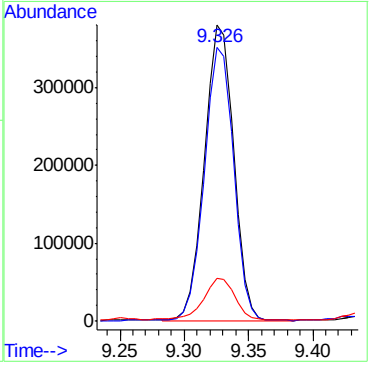


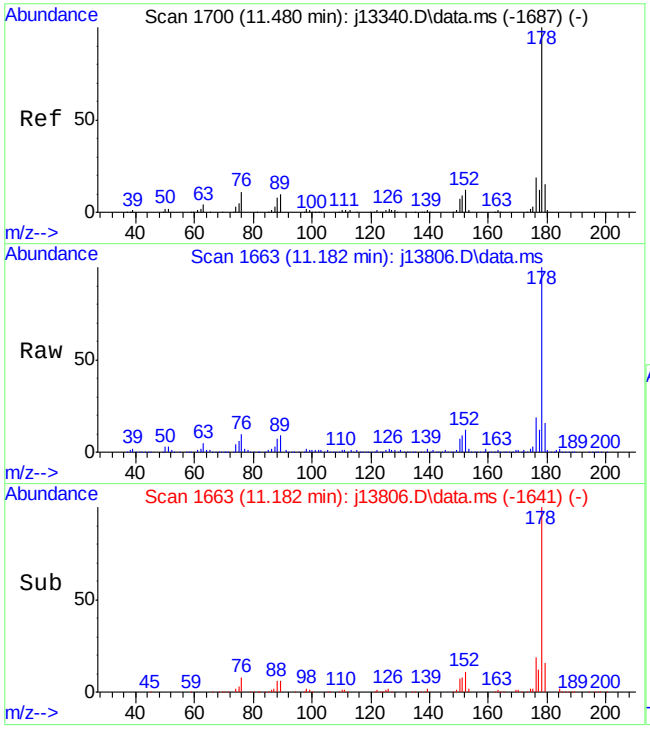


#54
Fluorene
Concen: 14.70 ug/ml
RT: 9.326 min Scan# 1316
Delta R.T. -0.080 min
Lab File: j13806.D
Acq: 13 Oct 2009 9:48 pm

Tgt Ion:166 Resp: 598171

Ion	Ratio	Lower	Upper
166	100		
165	92.5	73.8	113.8
167	15.7	0.0	33.3

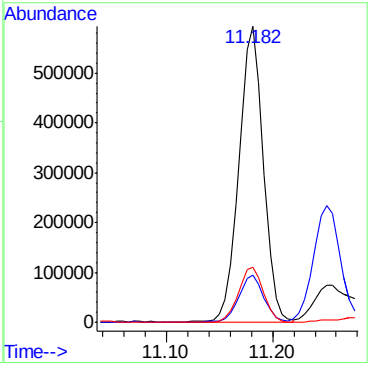


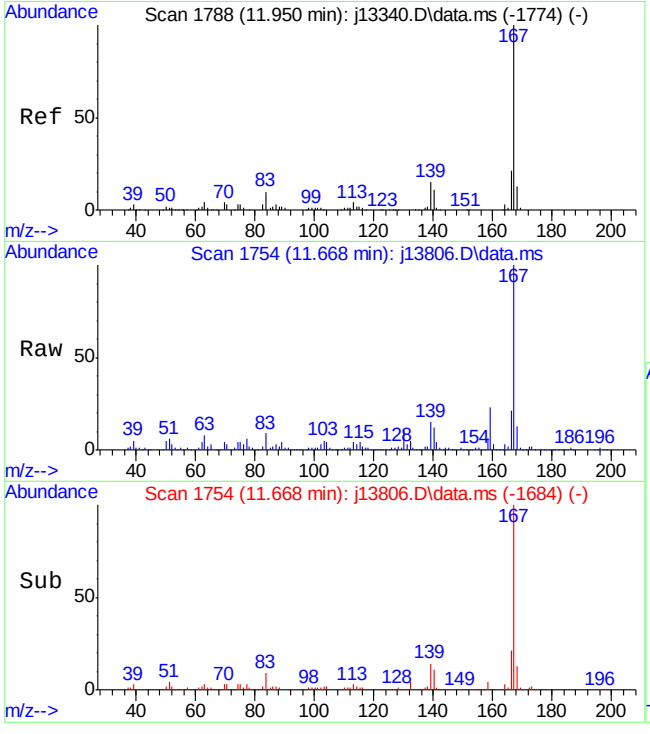


#66
Phenanthrene
Concen: 16.87 ug/ml
RT: 11.182 min Scan# 1663
Delta R.T. -0.080 min
Lab File: j13806.D
Acq: 13 Oct 2009 9:48 pm

Tgt Ion:178 Resp: 939698

Ion	Ratio	Lower	Upper
178	100		
179	16.7	0.0	35.2
176	19.1	0.0	39.2

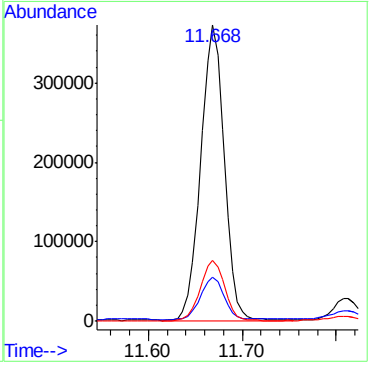


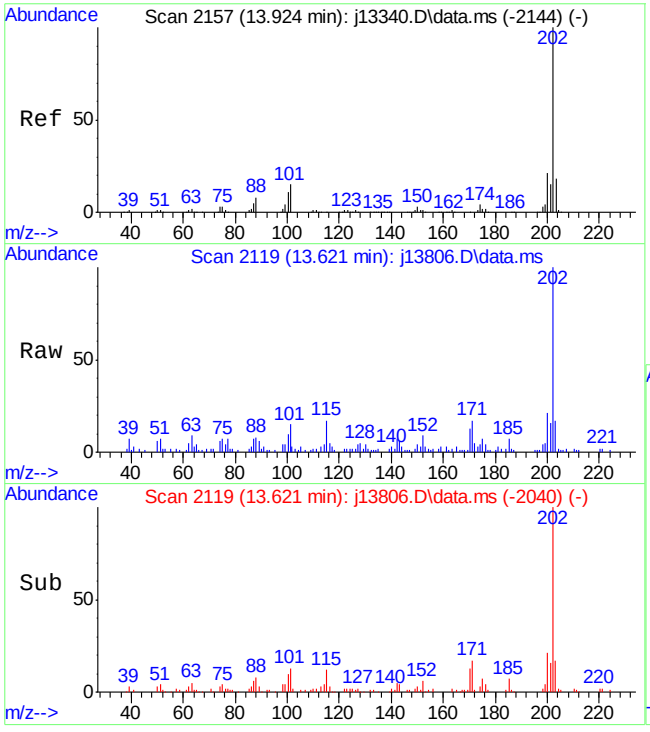


#68
Carbazole
Concen: 15.02 ug/ml
RT: 11.668 min Scan# 1754
Delta R.T. -0.125 min
Lab File: j13806.D
Acq: 13 Oct 2009 9:48 pm

Tgt Ion:167 Resp: 648912

Ion	Ratio	Lower	Upper
167	100		
139	14.6	0.0	34.1
166	21.3	0.9	40.9

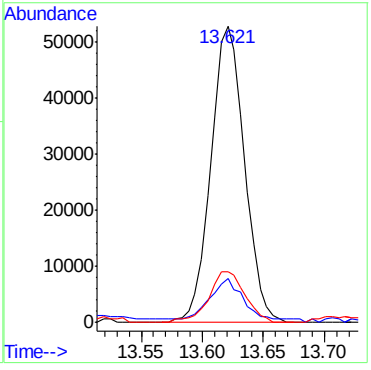


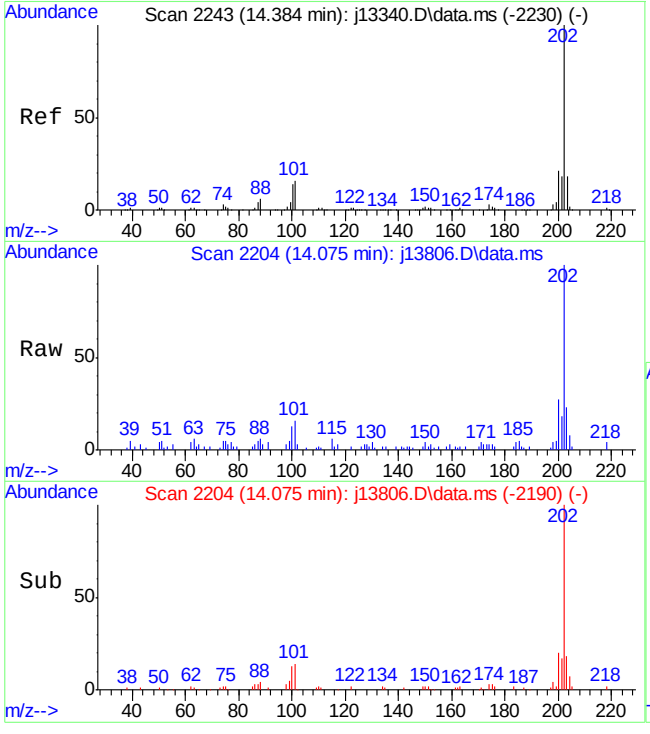


#70
Fluoranthene
Concen: 2.00 ug/ml
RT: 13.621 min Scan# 2119
Delta R.T. -0.080 min
Lab File: j13806.D
Acq: 13 Oct 2009 9:48 pm

Tgt Ion:202 Resp: 100876

Ion	Ratio	Lower	Upper
202	100		
101	16.4	0.0	33.9
203	18.4	0.0	37.3

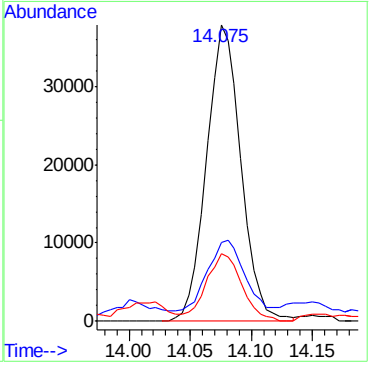




#73
Pyrene
Concen: 1.48 ug/ml
RT: 14.075 min Scan# 2204
Delta R.T. -0.125 min
Lab File: j13806.D
Acq: 13 Oct 2009 9:48 pm

Tgt Ion:202 Resp: 74145

Ion	Ratio	Lower	Upper
202	100		
200	25.2	0.5	40.5
203	23.7	0.0	37.8

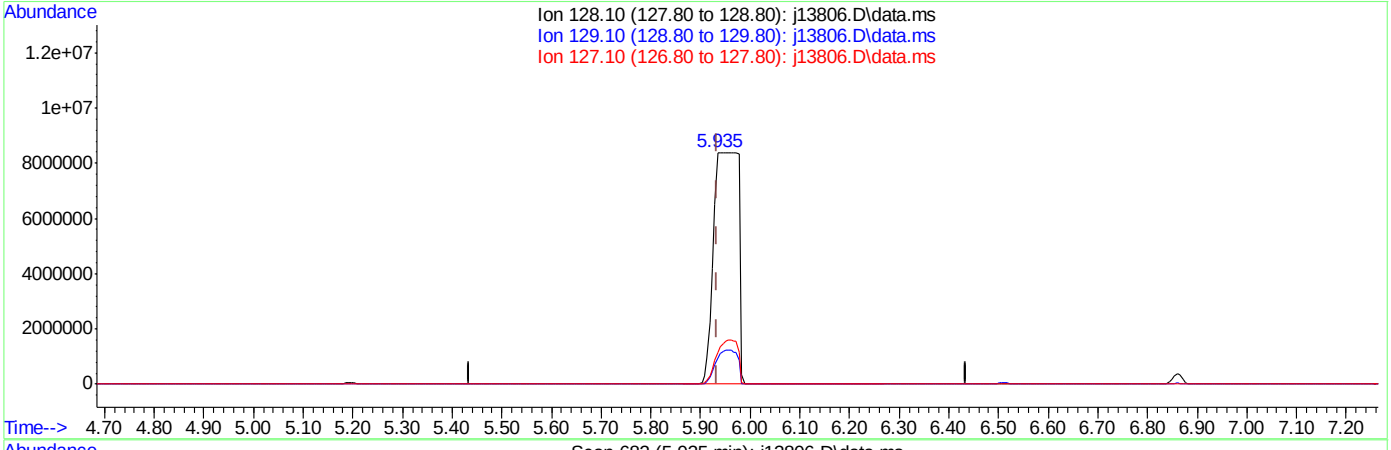


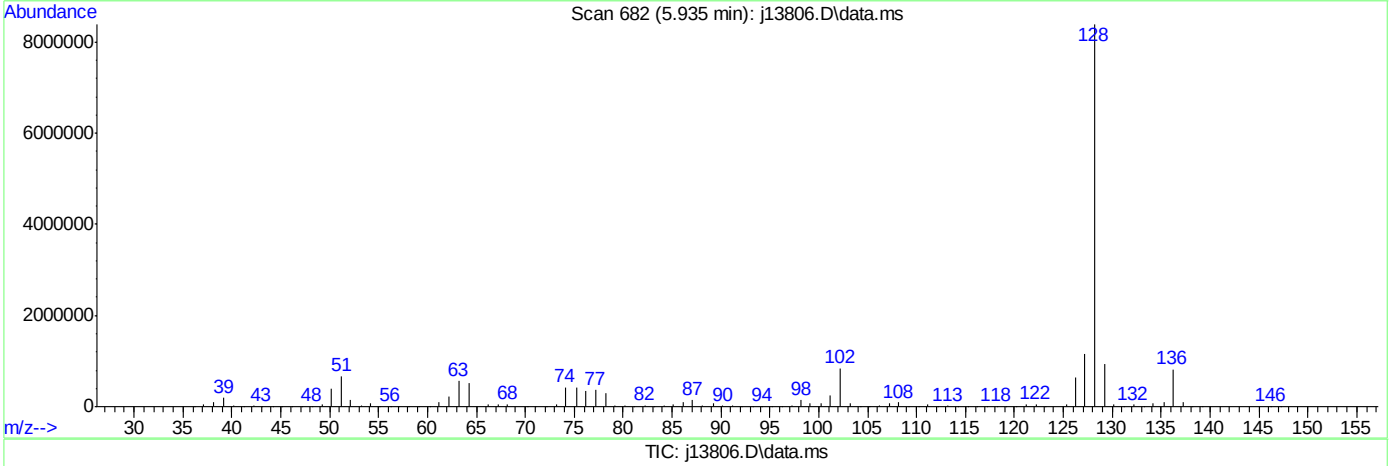
8.1.11
8

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13806.D
Acq On : 13 Oct 2009 9:48 pm
Operator : sheilac
Sample : t39513-5,4x
Misc : op13230,Ej633,1000,,,1,4,water
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 14 12:00:08 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Oct 14 11:40:42 2009
Response via : Initial Calibration





TIC: j13806.D\data.ms

(30) Naphthalene

5.935min (0.000) 504.28ug/ml m

response 28950715

Ion	Exp%	Act%
128.10	100	100
129.10	11.20	0.14
127.10	13.80	0.04
0.00	0.00	0.00

LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13806.D
Acq On : 13 Oct 2009 9:48 pm
Operator : sheilac
Sample : t39513-5,4x
Misc : op13230,Ej633,1000,,,1,4,water
ALS Vial : 24 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 23000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\ej615mg.m
Title :

Signal : TIC: j13806.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.640	62	66	72	rBV	1178765	1245128	1.86%	0.470%
2	3.619	245	249	262	rVB	750593	1074812	1.60%	0.405%
3	3.806	280	284	301	rVB2	689497	1108481	1.65%	0.418%
4	4.485	408	411	422	rVV3	518724	1160553	1.73%	0.438%
5	4.587	427	430	447	rVB	1636131	2221318	3.32%	0.838%
6	4.699	447	451	459	rBV	2566583	3311229	4.94%	1.249%
7	4.854	475	480	488	rBV	3577033	4572654	6.82%	1.725%
8	4.924	488	493	498	rVV	9439793	10715093	15.99%	4.042%
9	4.961	498	500	510	rVB	2460361	3129230	4.67%	1.180%
10	5.068	516	520	522	rBV	893195	1115441	1.66%	0.421%
11	5.106	522	527	530	rVV2	1105450	1776681	2.65%	0.670%
12	5.191	539	543	552	rVB	684498	957859	1.43%	0.361%
13	5.325	562	568	582	rVB	3538316	4988184	7.44%	1.882%
14	5.507	599	602	608	rVB	647085	904774	1.35%	0.341%
15	5.619	614	623	631	rBV	10549658	16471453	24.58%	6.214%
16	5.747	638	647	654	rBV	7508409	11014832	16.44%	4.155%
17	5.806	654	658	665	rVV	1253716	1487115	2.22%	0.561%
18	5.951	672	685	688	rBV4	23837270	67004638	100.00%	25.277%
19	5.999	692	694	702	rVB	4000673	3894782	5.81%	1.469%
20	6.213	729	734	738	rBV	583016	877858	1.31%	0.331%
21	6.379	759	765	770	rBV	811603	1152187	1.72%	0.435%
22	6.459	776	780	783	rBV2	532073	767287	1.15%	0.289%
23	6.496	783	787	792	rVV3	556026	1158702	1.73%	0.437%
24	6.534	792	794	805	rVB3	441523	955728	1.43%	0.361%
25	6.774	830	839	843	rBV	5464339	6752095	10.08%	2.547%
26	6.860	848	855	860	rVV	7001680	11880379	17.73%	4.482%
27	6.903	860	863	874	rVB	3487482	4524909	6.75%	1.707%
28	7.069	885	894	904	rBV3	560901	1436666	2.14%	0.542%
29	7.288	930	935	951	rVB	1105782	1989866	2.97%	0.751%
30	7.406	951	957	959	rBV2	474436	731615	1.09%	0.276%
31	7.432	959	962	966	rVV	515138	694217	1.04%	0.262%
32	7.630	992	999	1005	rVB3	387895	702518	1.05%	0.265%
33	7.807	1026	1032	1051	rVB2	1299391	3027339	4.52%	1.142%
34	7.999	1059	1068	1078	rBV3	1243145	2687794	4.01%	1.014%

LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13806.D
Acq On : 13 Oct 2009 9:48 pm
Operator : sheilac
Sample : t39513-5,4x
Misc : op13230,Ej633,1000,,,1,4,water
ALS Vial : 24 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 23000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\ej615mg.m
Title :

35	8.122	1085	1091	1097	rVV2	708336	1310117	1.96%	0.494%
36	8.299	1117	1124	1127	rBV	686088	1272118	1.90%	0.480%
37	8.358	1127	1135	1140	rVV	3607934	6495343	9.69%	2.450%
38	8.411	1140	1145	1150	rVV	4292185	6285249	9.38%	2.371%
39	8.475	1150	1157	1163	rVB	692688	1150533	1.72%	0.434%
40	8.614	1174	1183	1193	rBV	3384121	6804956	10.16%	2.567%
41	8.711	1194	1201	1210	rVB	3310631	5949542	8.88%	2.244%
42	8.834	1218	1224	1237	rVB2	749776	2195772	3.28%	0.828%
43	8.989	1239	1253	1262	rBV4	819548	2465418	3.68%	0.930%
44	9.117	1270	1277	1287	rVB4	512874	1123759	1.68%	0.424%
45	9.320	1298	1315	1324	rBV2	1655934	5268940	7.86%	1.988%
46	9.582	1354	1364	1376	rBV2	756352	1897050	2.83%	0.716%
47	9.689	1376	1384	1388	rVV3	417946	1163732	1.74%	0.439%
48	9.732	1388	1392	1398	rVV2	659228	1144385	1.71%	0.432%
49	9.796	1398	1404	1409	rVV2	993301	1800133	2.69%	0.679%
50	9.866	1409	1417	1428	rVB2	1106582	2528173	3.77%	0.954%
51	10.165	1454	1473	1479	rBV2	1153860	4438026	6.62%	1.674%
52	10.267	1479	1492	1504	rBV	796864	2489225	3.72%	0.939%
53	10.385	1505	1514	1520	rBV5	536276	1208075	1.80%	0.456%
54	10.476	1521	1531	1538	rBV4	442351	1335827	1.99%	0.504%
55	10.994	1620	1628	1631	rBV	651843	1446155	2.16%	0.546%
56	11.139	1647	1655	1659	rBV2	2512956	4225330	6.31%	1.594%
57	11.182	1659	1663	1669	rVB	1558190	2373371	3.54%	0.895%
58	11.251	1669	1676	1684	rBV	846484	2242661	3.35%	0.846%
59	11.588	1732	1739	1744	rVB2	505889	1184990	1.77%	0.447%
60	11.668	1747	1754	1759	rBV	1181092	2466146	3.68%	0.930%
61	11.888	1789	1795	1806	rVB5	726991	2147820	3.21%	0.810%
62	11.995	1807	1815	1821	rBV2	905036	2365228	3.53%	0.892%
63	12.278	1860	1868	1880	rVB5	390903	1053587	1.57%	0.397%
64	12.385	1880	1888	1895	rBV3	298873	805560	1.20%	0.304%
65	14.492	2275	2282	2290	rVB2	886917	1628860	2.43%	0.614%
66	14.878	2341	2354	2365	rBV	396410	1117958	1.67%	0.422%
67	16.653	2673	2686	2699	rBV	2028380	4046282	6.04%	1.526%
68	19.451	3199	3209	3224	rBV	998582	2161208	3.23%	0.815%

Sum of corrected areas: 265084946

LSC Report - Integrated Chromatogram

```
Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13806.D
Acq On    : 13 Oct 2009   9:48 pm
Operator  : sheilac
Sample    : t39513-5,4x
Misc      : op13230,Ej633,1000,,,1,4,water
ALS Vial  : 24   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
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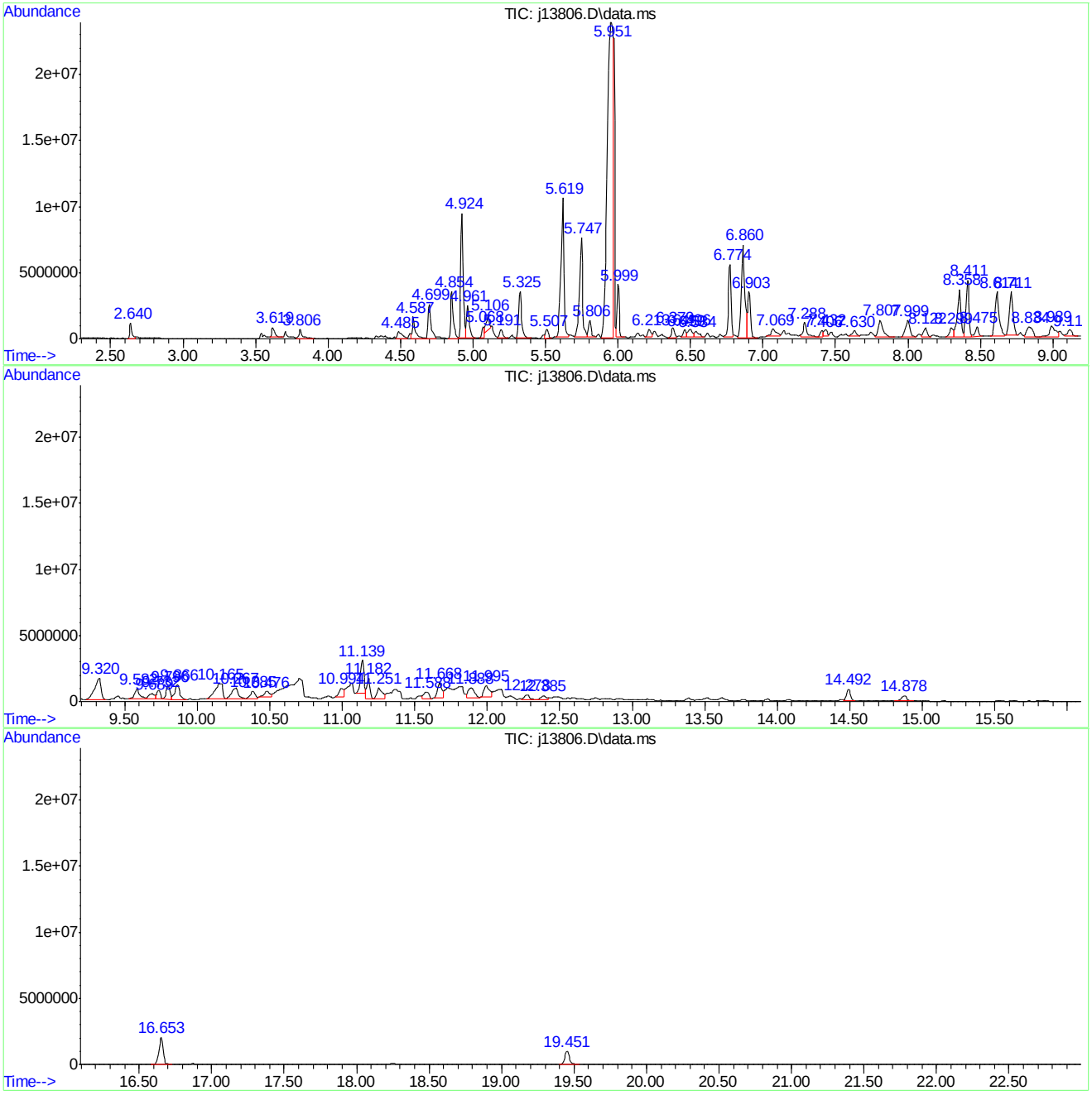


Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13806.D
Acq On : 13 Oct 2009 9:48 pm
Operator : sheilac
Sample : t39513-5,4x
Misc : op13230,Ej633,1000,,,1,4,water
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

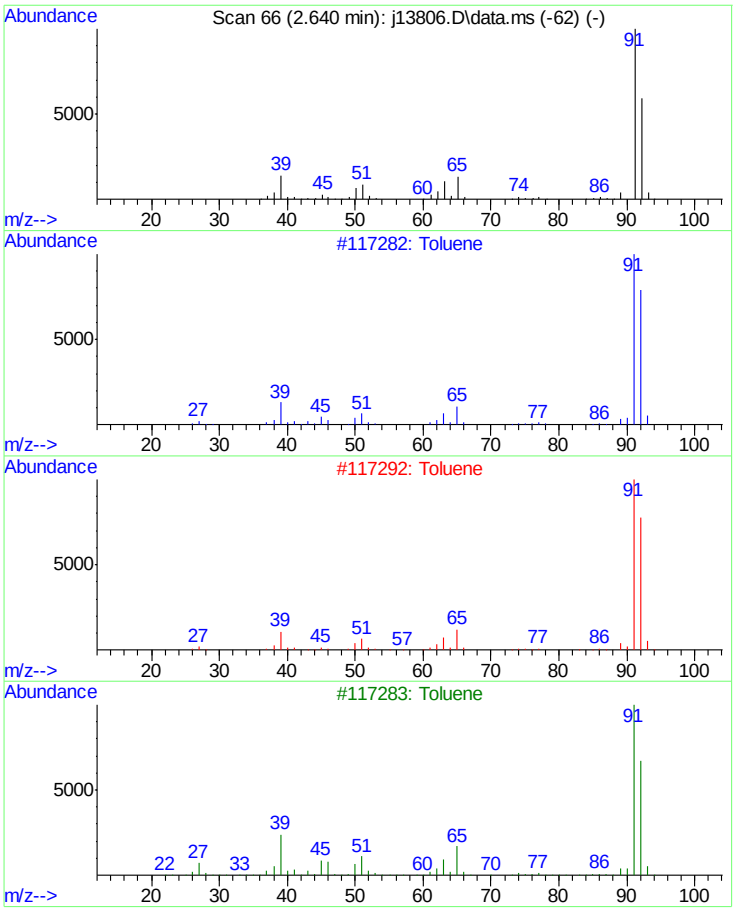
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

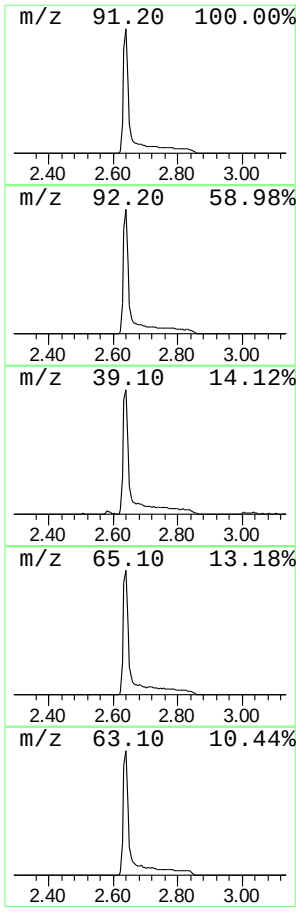
****

Peak Number 1 Toluene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.640	15.04 ug/ml	1245130	1,4-Dichlorobenzene-d4	4.699

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Toluene	92	C7H8	000108-88-3	91
2	Toluene	92	C7H8	000108-88-3	90
3	Toluene	92	C7H8	000108-88-3	90
4	1,3,5-Cycloheptatriene	92	C7H8	000544-25-2	87
5	Toluene	92	C7H8	000108-88-3	87





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13806.D
Acq On : 13 Oct 2009 9:48 pm
Operator : sheilac
Sample : t39513-5,4x
Misc : op13230,Ej633,1000,,,1,4,water
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

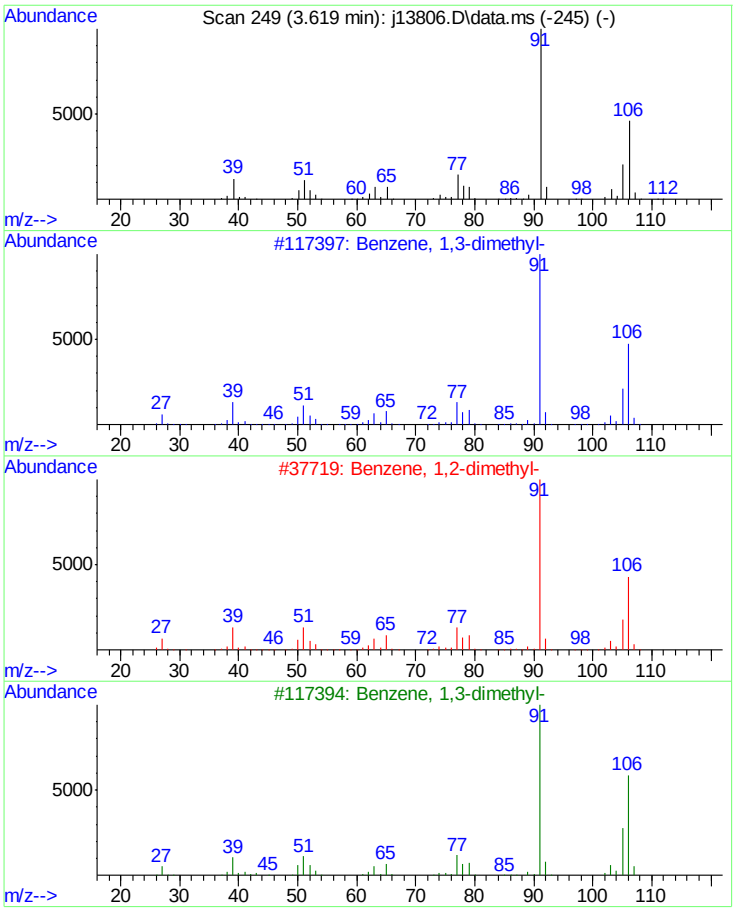
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

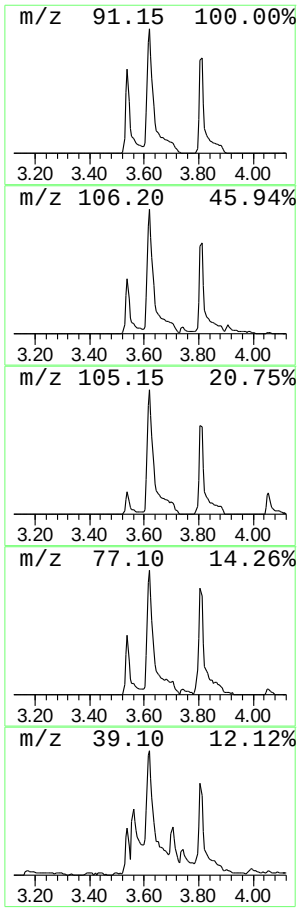
****

Peak Number 2 Benzene, 1,2-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.619	12.98 ug/ml	1074810	1,4-Dichlorobenzene-d4	4.699

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
2	Benzene, 1,2-dimethyl-	106	C8H10	000095-47-6	97
3	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
4	p-Xylene	106	C8H10	000106-42-3	97
5	p-Xylene	106	C8H10	000106-42-3	95





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13806.D
Acq On : 13 Oct 2009 9:48 pm
Operator : sheilac
Sample : t39513-5,4x
Misc : op13230,Ej633,1000,,,1,4,water
ALS Vial : 24 Sample Multiplier: 1

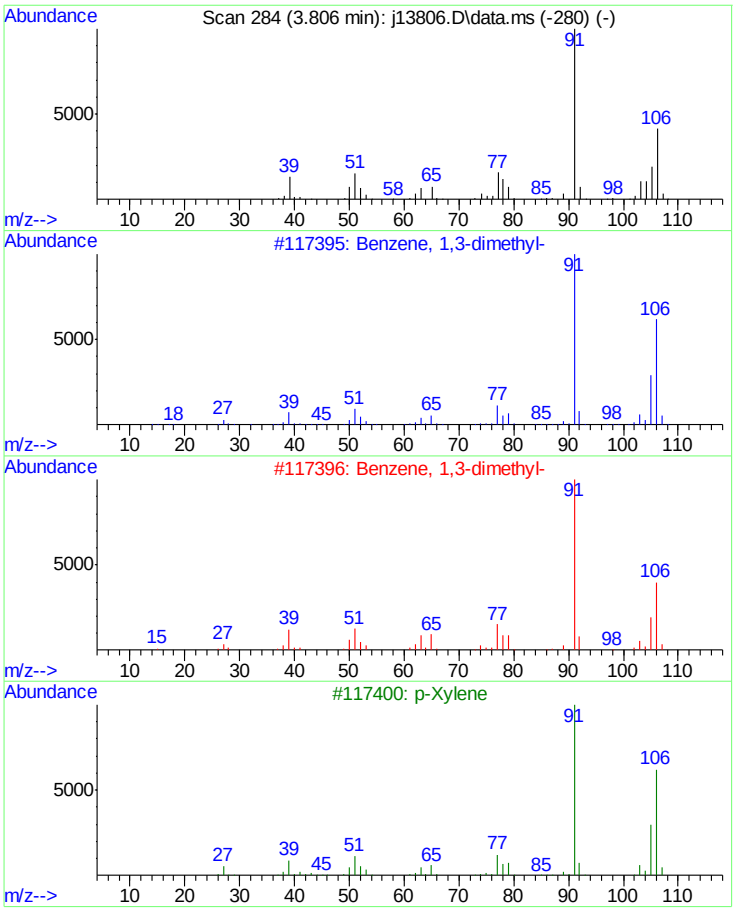
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

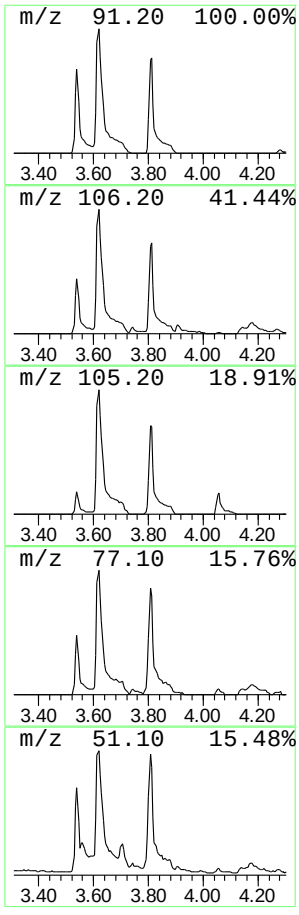
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Benzene, 1,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.806	13.39 ug/ml	1108480	1,4-Dichlorobenzene-d4	4.699

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	90
2	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	90
3	p-Xylene	106	C8H10	000106-42-3	90
4	p-Xylene	106	C8H10	000106-42-3	90
5	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	90





Library Search Compound Report

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Operator : sheilac
Sample : t39513-5,4x
Misc : op13230,Ej633,1000,,,1,4,water
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

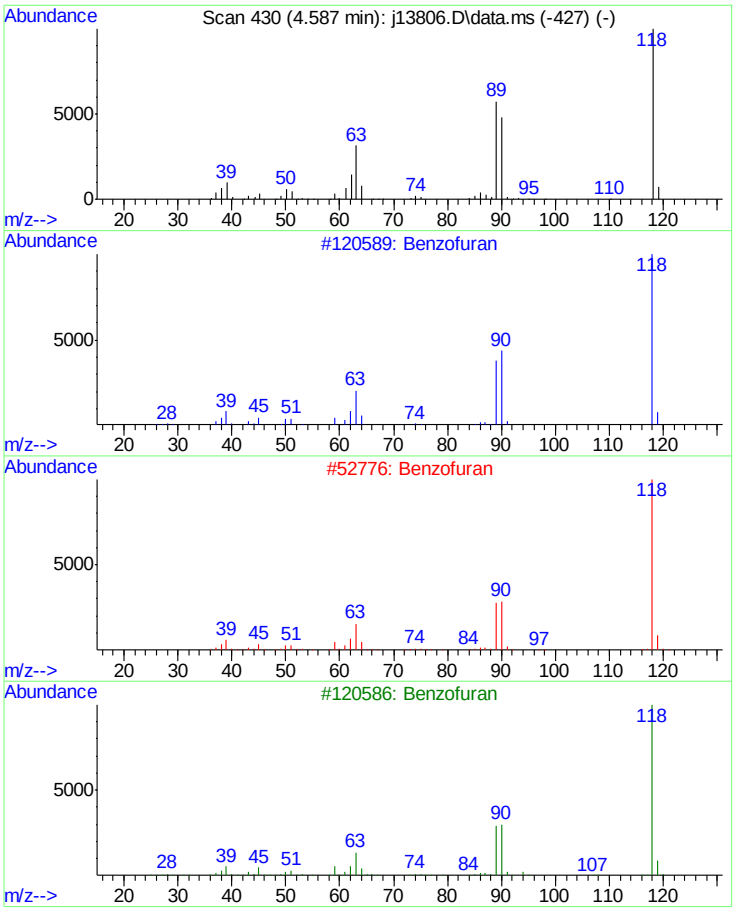
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

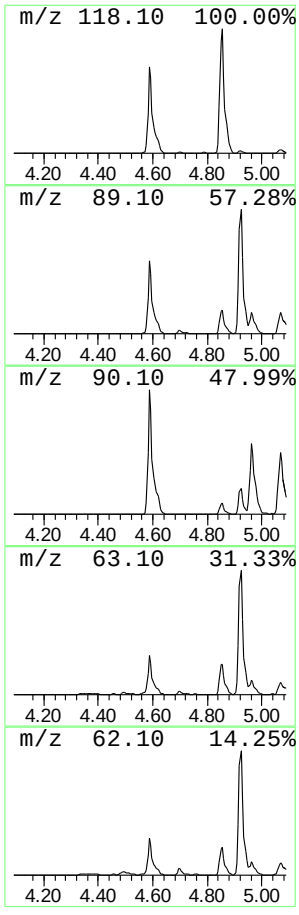
****

Peak Number 4 Benzofuran Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.587	26.83 ug/ml	2221320	1,4-Dichlorobenzene-d4	4.699

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran	118	C8H6O	000271-89-6	94
2	Benzofuran	118	C8H6O	000271-89-6	91
3	Benzofuran	118	C8H6O	000271-89-6	91
4	Benzofuran	118	C8H6O	000271-89-6	87
5	3-Hydroxyphenylacetylene	118	C8H6O	010401-11-3	87





Library Search Compound Report

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Acq On : 13 Oct 2009 9:48 pm
Operator : sheilac
Sample : t39513-5,4x
Misc : op13230,Ej633,1000,,,1,4,water
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

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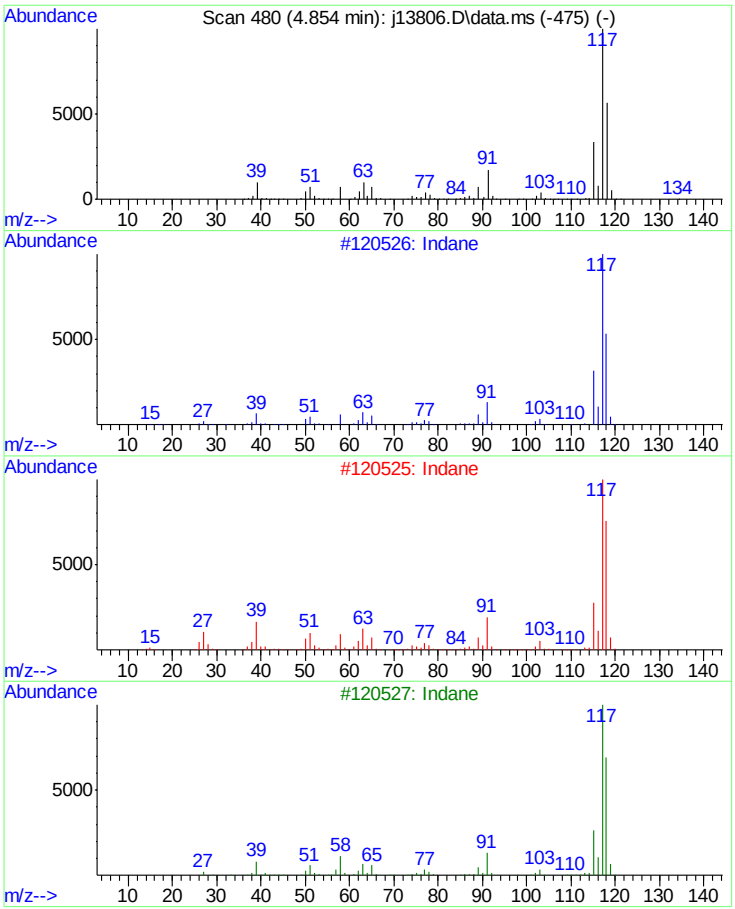
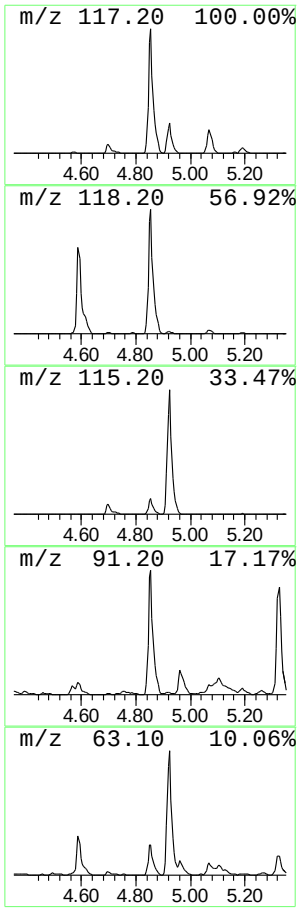
Peak Number 5 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.854	55.24 ug/ml	4572650	1,4-Dichlorobenzene-d4	4.699

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Indane	118	C9H10	000496-11-7	90
3	Indane	118	C9H10	000496-11-7	81
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	74
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72





Library Search Compound Report

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Sample    : t39513-5,4x
Misc      : op13230,Ej633,1000,,,1,4,water
ALS Vial  : 24   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
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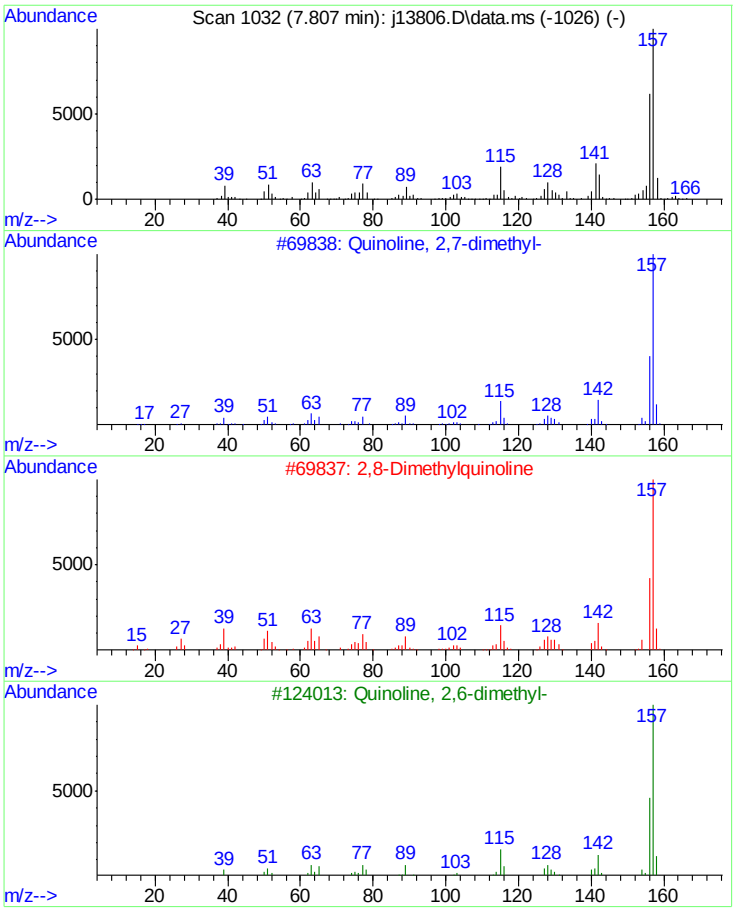
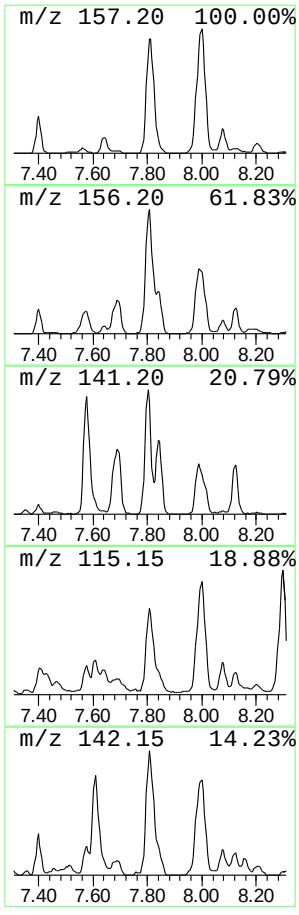
Peak Number 6 Quinoline, 2,7-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.807	18.64 ug/ml	3027340	Acenaphthene-d10	8.358

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline, 2,7-dimethyl-	157	C11H11N	000093-37-8	93
2	2,8-Dimethylquinoline	157	C11H11N	001463-17-8	93
3	Quinoline, 2,6-dimethyl-	157	C11H11N	000877-43-0	93
4	Quinoline, 2,6-dimethyl-	157	C11H11N	000877-43-0	87
5	1-Amino-2-methylnaphthalene	157	C11H11N	1000192-59-2	72





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13806.D
Acq On : 13 Oct 2009 9:48 pm
Operator : sheilac
Sample : t39513-5,4x
Misc : op13230,Ej633,1000,,,1,4,water
ALS Vial : 24 Sample Multiplier: 1

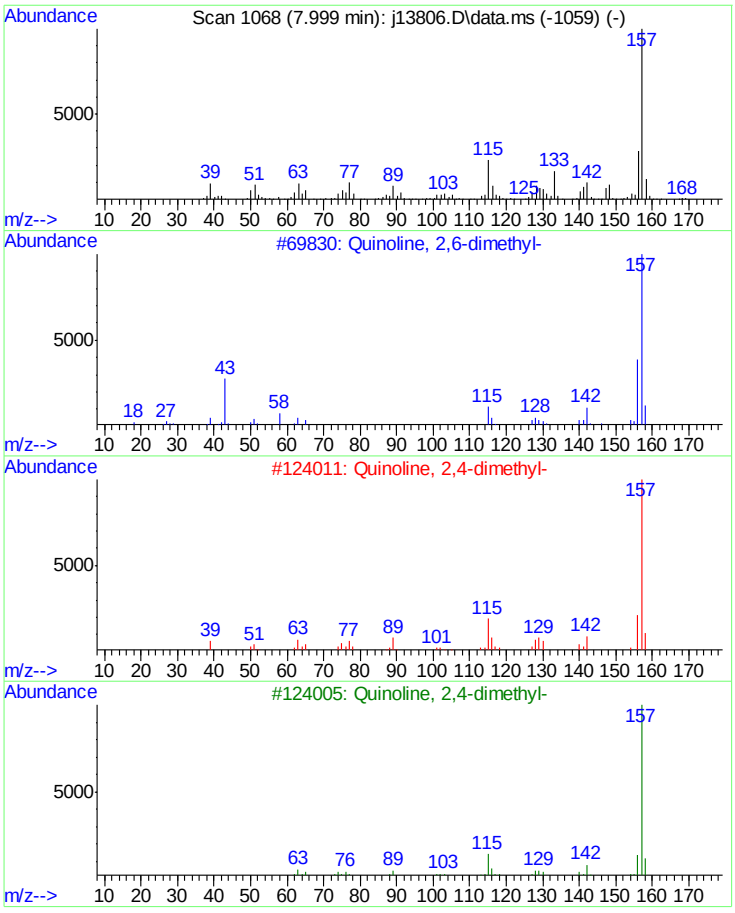
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

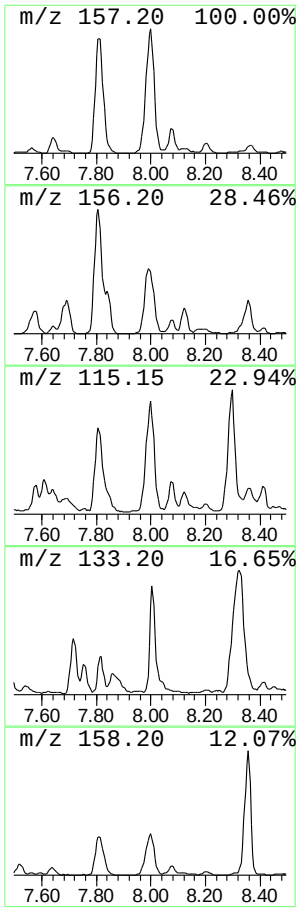
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Quinoline, 2,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.999	16.55 ug/ml	2687790	Acenaphthene-d10	8.358

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline, 2,6-dimethyl-	157	C11H11N	000877-43-0	93
2	Quinoline, 2,4-dimethyl-	157	C11H11N	001198-37-4	93
3	Quinoline, 2,4-dimethyl-	157	C11H11N	001198-37-4	92
4	Quinoline, 2,3-dimethyl-	157	C11H11N	001721-89-7	90
5	Quinoline, 2,4-dimethyl-	157	C11H11N	001198-37-4	81





Library Search Compound Report

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Data Path : C:\msdchem\1\DATA\ej633\
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Acq On    : 13 Oct 2009   9:48 pm
Operator  : sheilac
Sample    : t39513-5,4x
Misc      : op13230,Ej633,1000,,,1,4,water
ALS Vial  : 24   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
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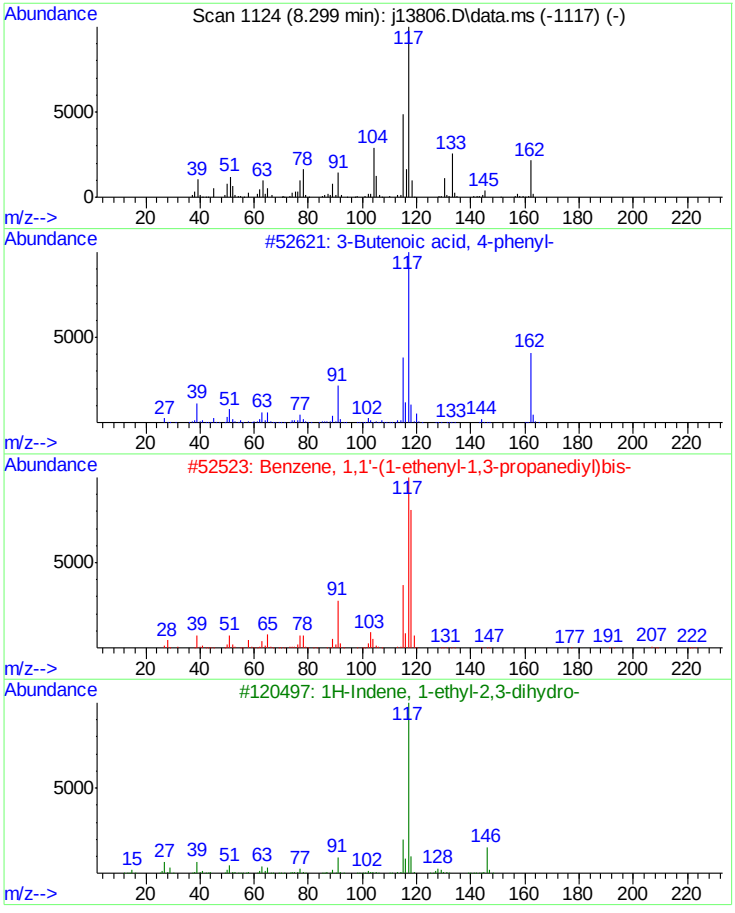
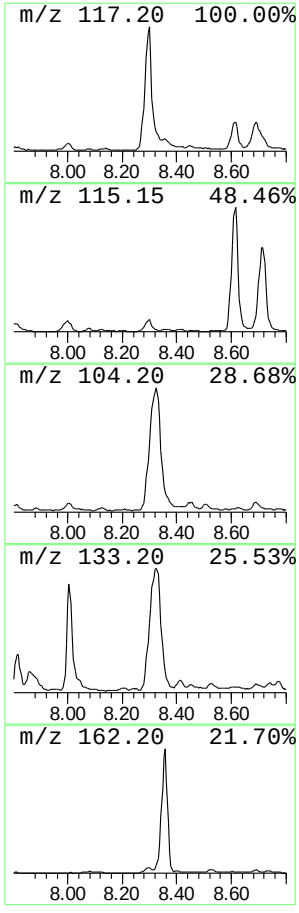
Peak Number 8 3-Butenoic acid, 4-phenyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.299	7.83 ug/ml	1272120	Acenaphthene-d10	8.358

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Butenoic acid, 4-phenyl-	162	C10H10O2	002243-53-0	64
2	Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	47
3	1H-Indene, 1-ethyl-2,3-dihydro-	146	C11H14	004830-99-3	43
4	Benzene, (chloromethyl)ethenyl-	152	C9H9Cl	030030-25-2	43
5	11-Azatricyclo(6.2.1.0(2,7))unde...	145	C10H11N	1000145-67-8	38





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13806.D
Acq On : 13 Oct 2009 9:48 pm
Operator : sheilac
Sample : t39513-5,4x
Misc : op13230,Ej633,1000,,,1,4,water
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

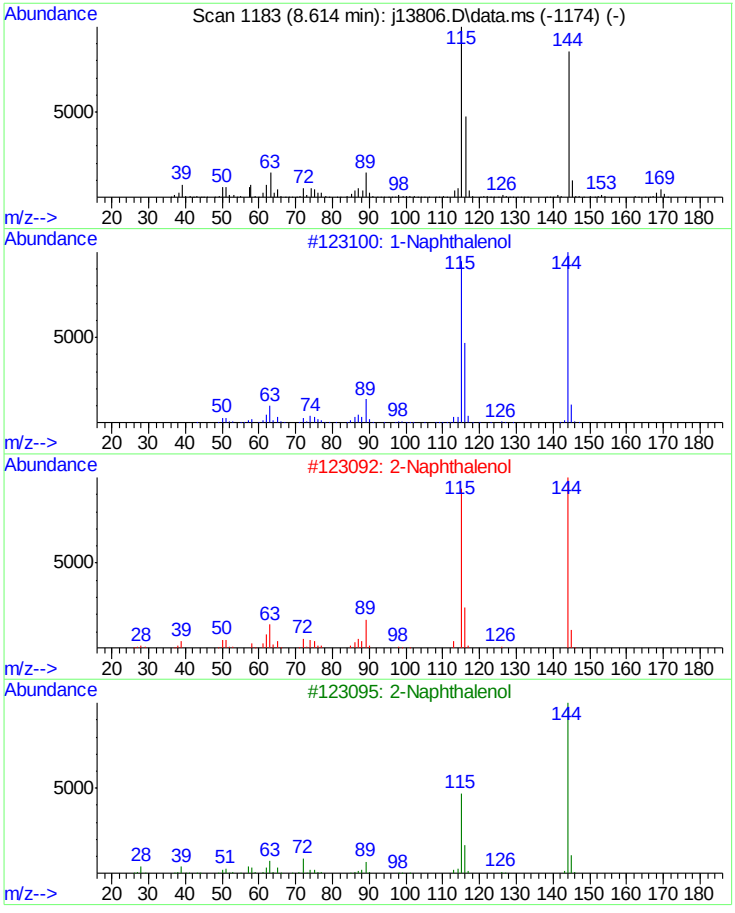
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

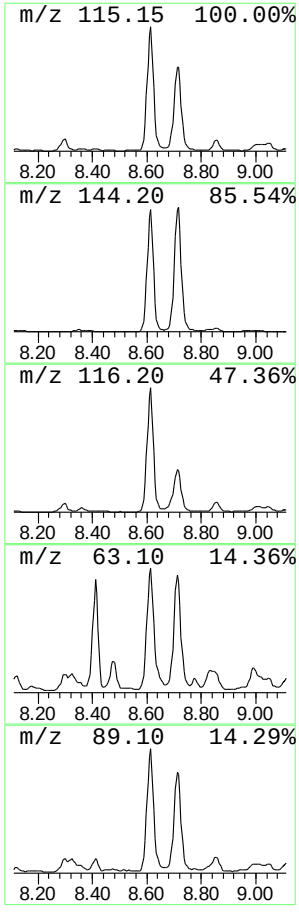
****

Peak Number 9 1-Naphthalenol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.614	41.91 ug/ml	6804960	Acenaphthene-d10	8.358

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenol	144	C10H8O	000090-15-3	96
2	2-Naphthalenol	144	C10H8O	000135-19-3	94
3	2-Naphthalenol	144	C10H8O	000135-19-3	94
4	2-Naphthalenol	144	C10H8O	000135-19-3	91
5	1-Naphthalenol	144	C10H8O	000090-15-3	91





Library Search Compound Report

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Data File : j13806.D
Acq On    : 13 Oct 2009   9:48 pm
Operator  : sheilac
Sample    : t39513-5,4x
Misc      : op13230,Ej633,1000,,,1,4,water
ALS Vial  : 24   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
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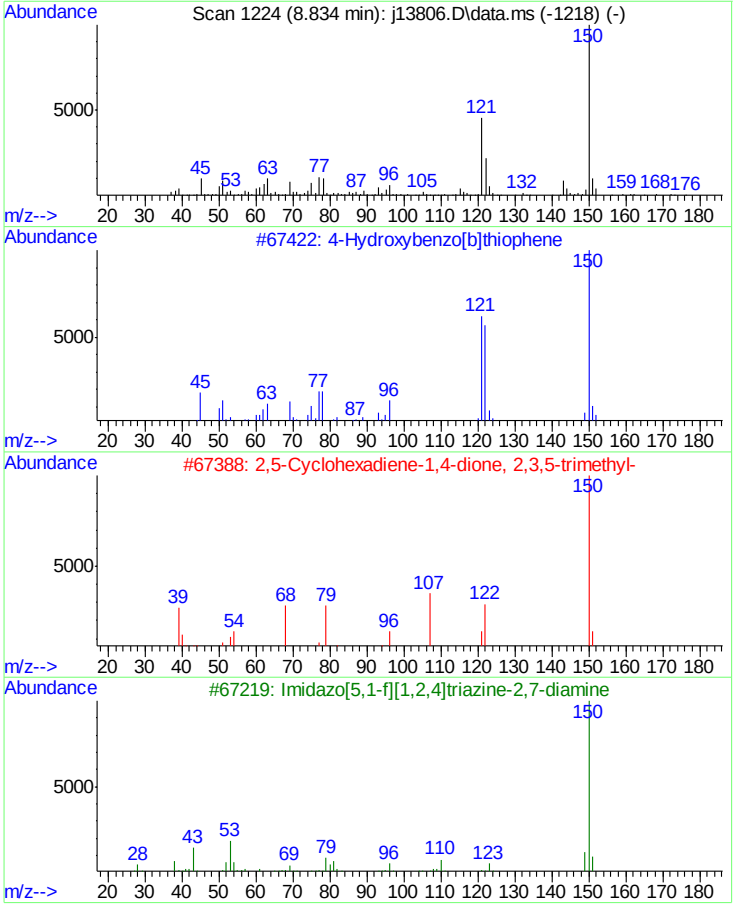
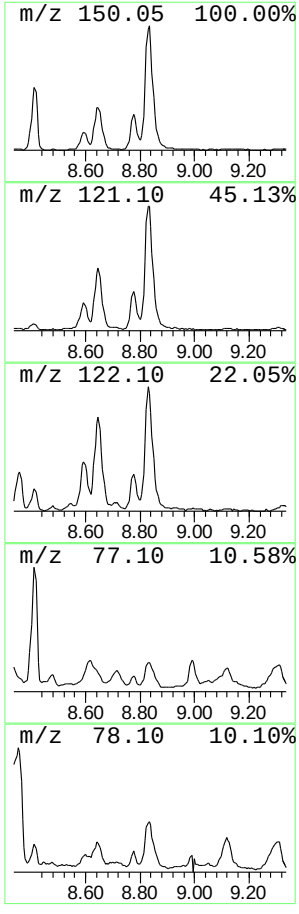
****

Peak Number 10 4-Hydroxybenzo[b]thiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.834	13.52 ug/ml	2195770	Acenaphthene-d10	8.358

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Hydroxybenzo[b]thiophene	150	C8H6OS	003610-02-4	83
2	2,5-Cyclohexadiene-1,4-dione, 2,...	150	C9H10O2	000935-92-2	64
3	Imidazo[5,1-f][1,2,4]triazine-2,...	150	C5H6N6	051292-20-7	53
4	4-Amino-3,5-diethylpyridine	150	C9H14N2	1000128-75-1	50
5	Benzene, 1,2,3,4-tetrafluoro-	150	C6H2F4	000551-62-2	47





Library Search Compound Report

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Acq On    : 13 Oct 2009   9:48 pm
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Sample    : t39513-5,4x
Misc      : op13230,Ej633,1000,,,1,4,water
ALS Vial  : 24   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
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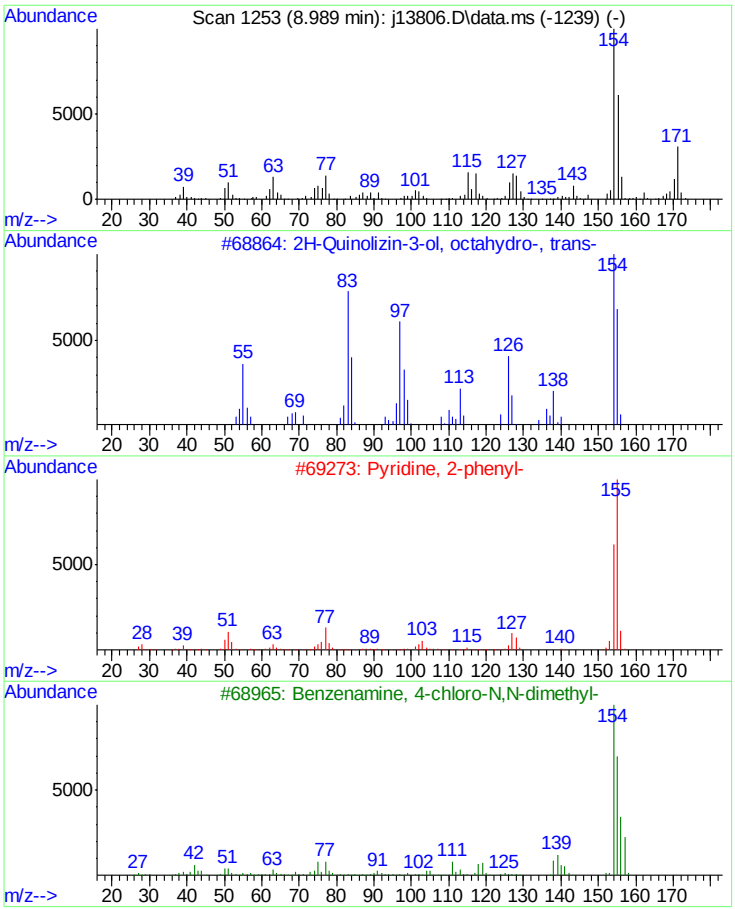
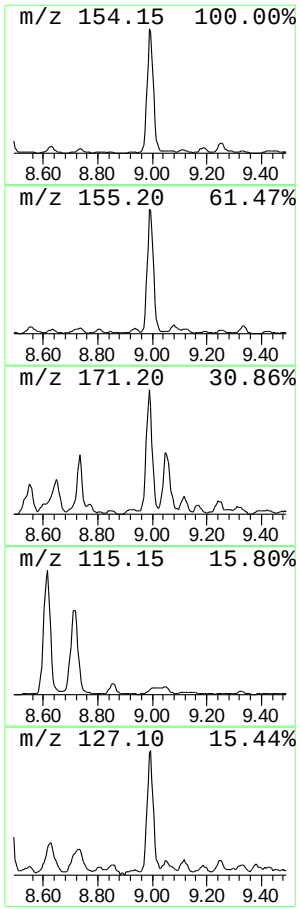
****

Peak Number 11 2H-Quinolizin-3-ol, octahyd... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.989	15.18 ug/ml	2465420	Acenaphthene-d10	8.358

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Quinolizin-3-ol, octahydro-, ...	155	C9H17NO	015769-36-5	47
2	Pyridine, 2-phenyl-	155	C11H9N	001008-89-5	46
3	Benzenamine, 4-chloro-N,N-dimethyl-	155	C8H10ClN	000698-69-1	43
4	Pyridine, 4-phenyl-	155	C11H9N	000939-23-1	41
5	1-Isoquinolinecarbonitrile	154	C10H6N2	001198-30-7	38





Library Search Compound Report

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Acq On : 13 Oct 2009 9:48 pm
Operator : sheilac
Sample : t39513-5,4x
Misc : op13230,Ej633,1000,,,1,4,water
ALS Vial : 24 Sample Multiplier: 1

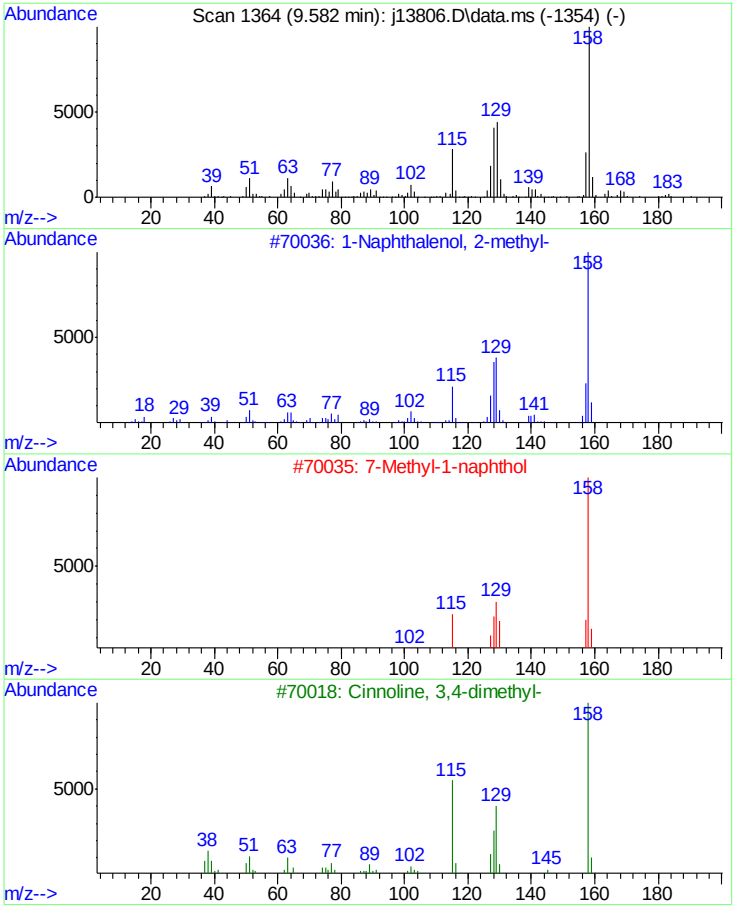
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

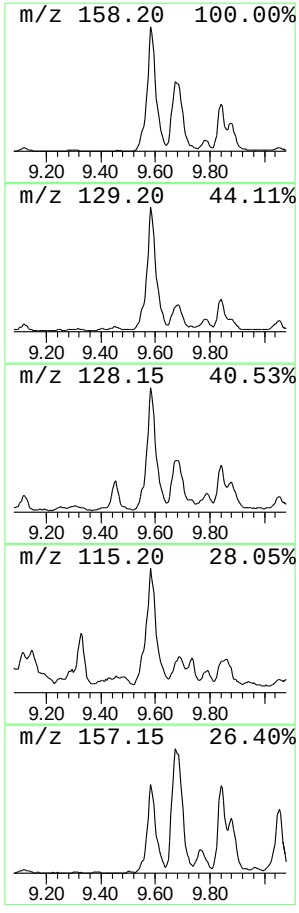
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 1-Naphthalenol, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.582	11.68 ug/ml	1897050	Acenaphthene-d10	8.358

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenol, 2-methyl-	158	C11H10O	007469-77-4	95
2	7-Methyl-1-naphthol	158	C11H10O	006939-33-9	64
3	Cinnoline, 3,4-dimethyl-	158	C10H10N2	003929-83-7	58
4	Cyclohexene, 1-phenyl-	158	C12H14	000771-98-2	53
5	1H-Pyrazole, 3-methyl-5-phenyl-	158	C10H10N2	003347-62-4	49





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13806.D
Acq On : 13 Oct 2009 9:48 pm
Operator : sheilac
Sample : t39513-5,4x
Misc : op13230,Ej633,1000,,,1,4,water
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

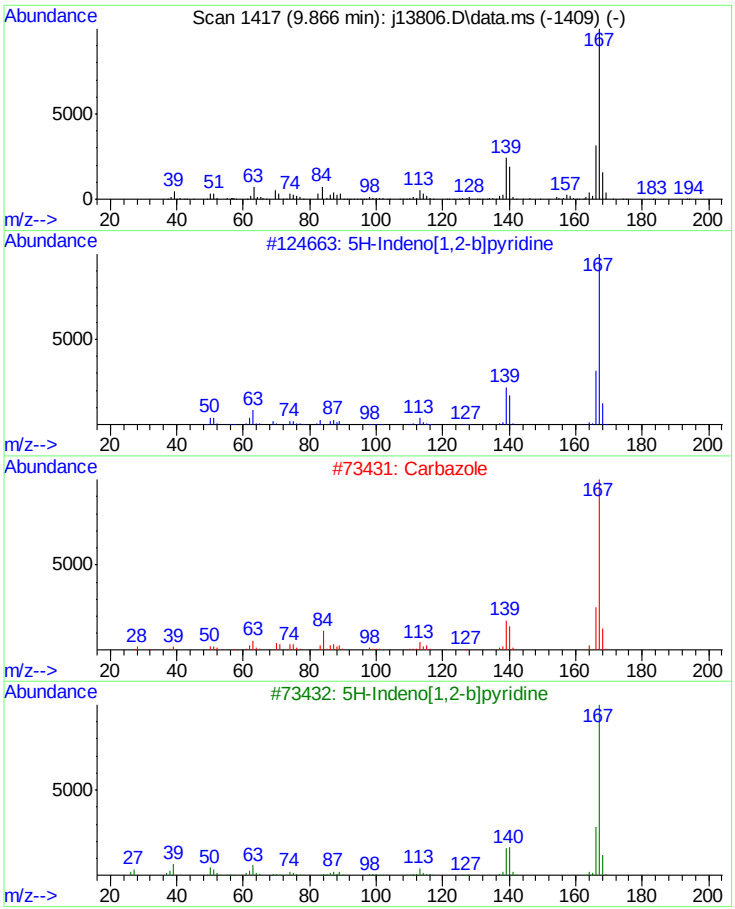
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

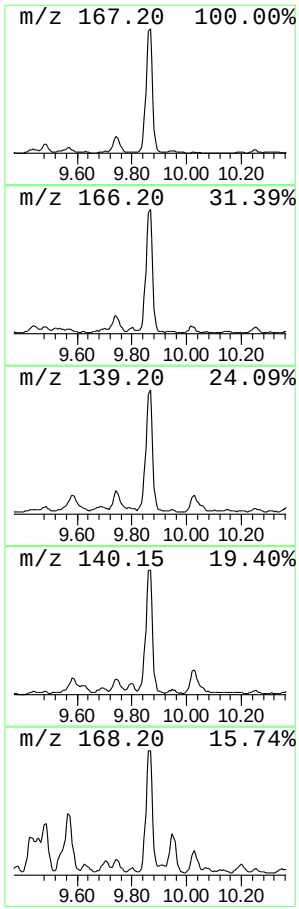
****

Peak Number 13 5H-Indeno[1,2-b]pyridine Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.866	23.93 ug/ml	2528170	Phenanthrene-d10	11.139

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	94
2	Carbazole	167	C12H9N	000086-74-8	91
3	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	90
4	Carbazole	167	C12H9N	000086-74-8	87
5	Carbazole	167	C12H9N	000086-74-8	83





Library Search Compound Report

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Data File : j13806.D
Acq On    : 13 Oct 2009   9:48 pm
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Sample    : t39513-5,4x
Misc      : op13230,Ej633,1000,,,1,4,water
ALS Vial  : 24   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
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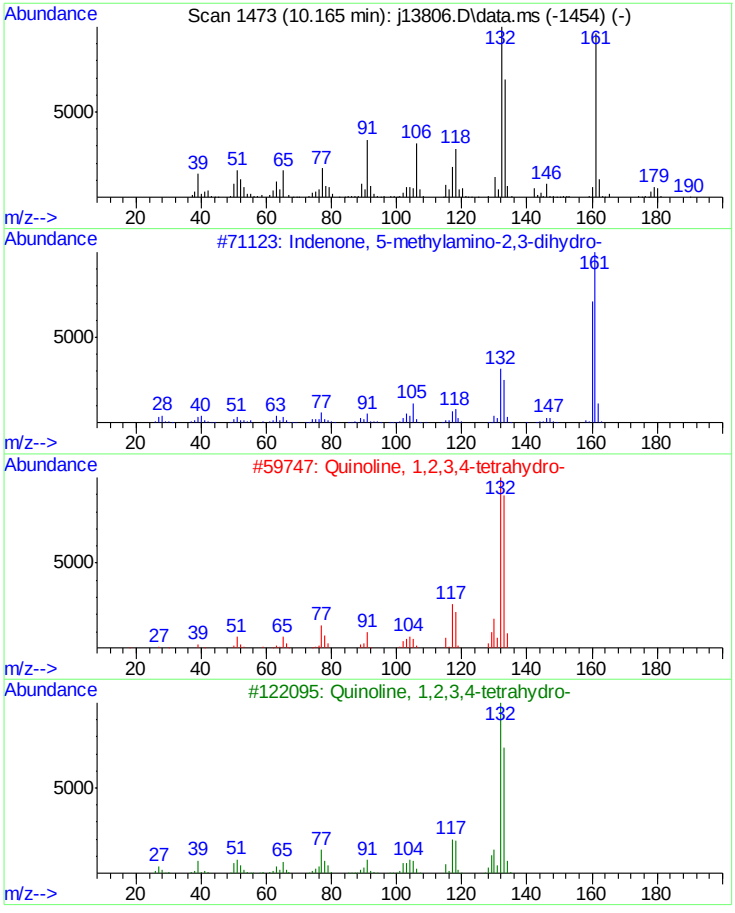
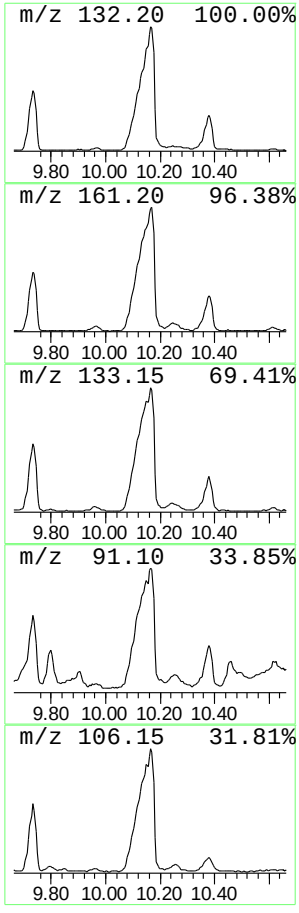
Peak Number 14 Indenone, 5-methylamino-2,3... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.165	42.01 ug/ml	4438030	Phenanthrene-d10	11.139

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indenone, 5-methylamino-2,3-dihy...	161	C10H11NO	1000153-18-7	59
2	Quinoline, 1,2,3,4-tetrahydro-	133	C9H11N	000635-46-1	50
3	Quinoline, 1,2,3,4-tetrahydro-	133	C9H11N	000635-46-1	50
4	Quinoline, 5,6,7,8-tetrahydro-	133	C9H11N	010500-57-9	50
5	1,4-Dihydrobenzo[e][1,2,4]triaze...	161	C8H7N3O	057711-25-8	50





Library Search Compound Report

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Sample    : t39513-5,4x
Misc      : op13230,Ej633,1000,,,1,4,water
ALS Vial  : 24   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

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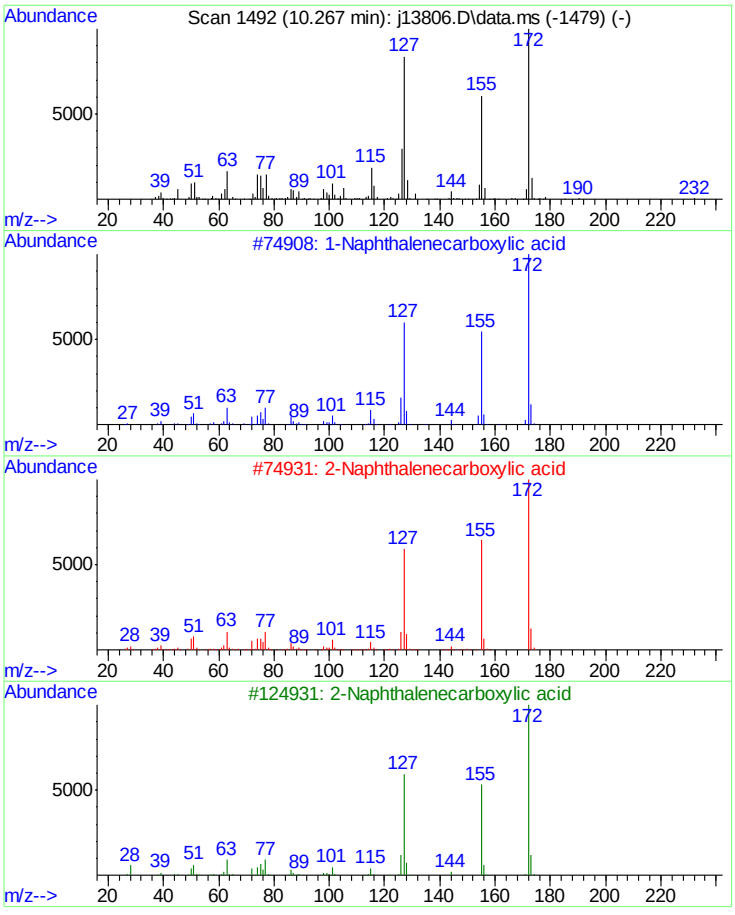
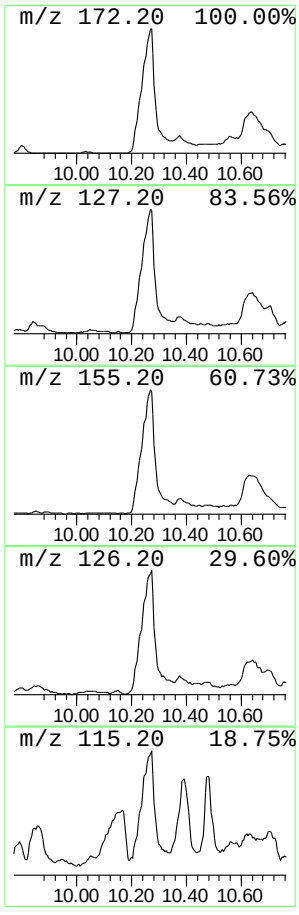
Peak Number 15 1-Naphthalenecarboxylic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.267	23.56 ug/ml	2489230	Phenanthrene-d10	11.139

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenecarboxylic acid	172	C11H8O2	000086-55-5	94
2	2-Naphthalenecarboxylic acid	172	C11H8O2	000093-09-4	93
3	2-Naphthalenecarboxylic acid	172	C11H8O2	000093-09-4	93
4	2-Naphthalenecarboxylic acid	172	C11H8O2	000093-09-4	90
5	1-Naphthalenecarboxylic acid	172	C11H8O2	000086-55-5	76





Library Search Compound Report

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Misc : op13230,Ej633,1000,,,1,4,water
ALS Vial : 24 Sample Multiplier: 1

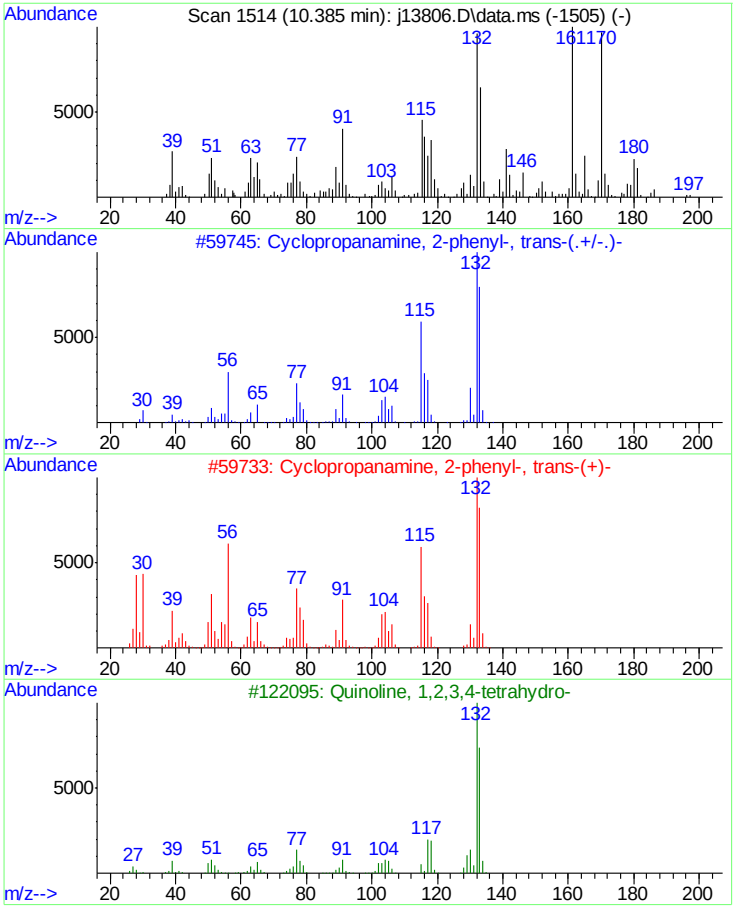
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

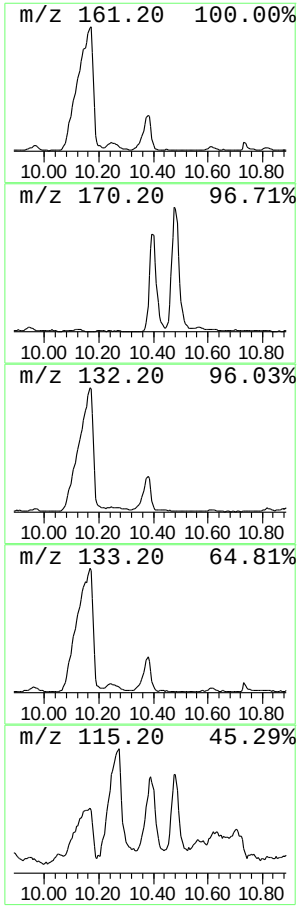
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Cyclopropanamine, 2-phenyl-... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.385	11.44 ug/ml	1208080	Phenanthrene-d10	11.139

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropanamine, 2-phenyl-, tra...	133	C9H11N	000155-09-9	42
2	Cyclopropanamine, 2-phenyl-, tra...	133	C9H11N	003721-28-6	42
3	Quinoline, 1,2,3,4-tetrahydro-	133	C9H11N	000635-46-1	42
4	1,4-Dihydrobenzo[e][1,2,4]triaze...	161	C8H7N3O	057711-25-8	38
5	Cyclopropanamine, 2-phenyl-, tra...	133	C9H11N	000155-09-9	38





Library Search Compound Report

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Misc : op13230,Ej633,1000,,,1,4,water
ALS Vial : 24 Sample Multiplier: 1

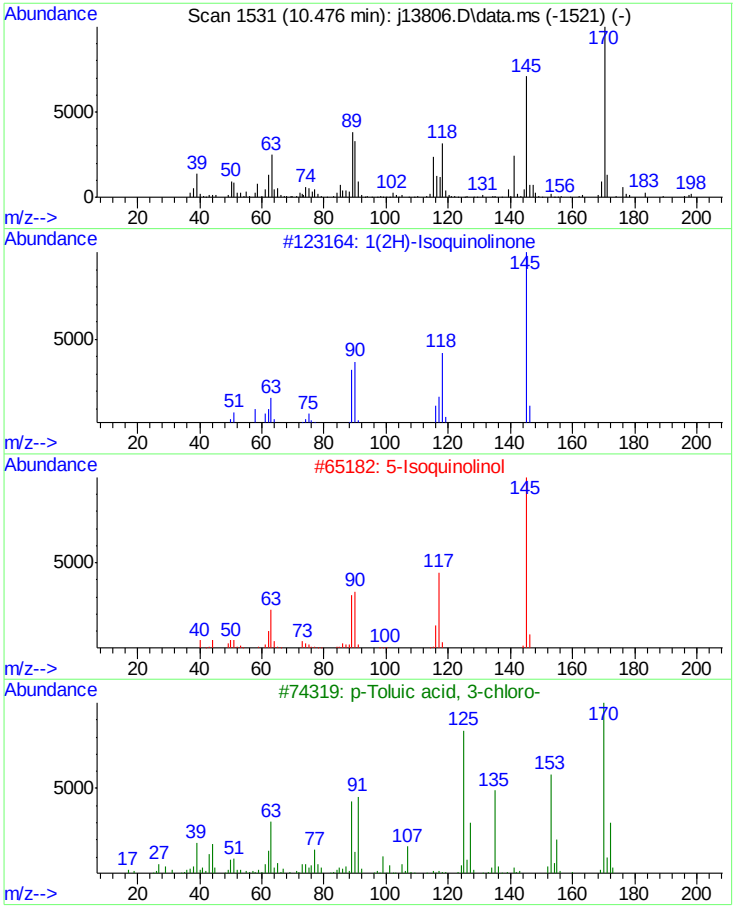
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

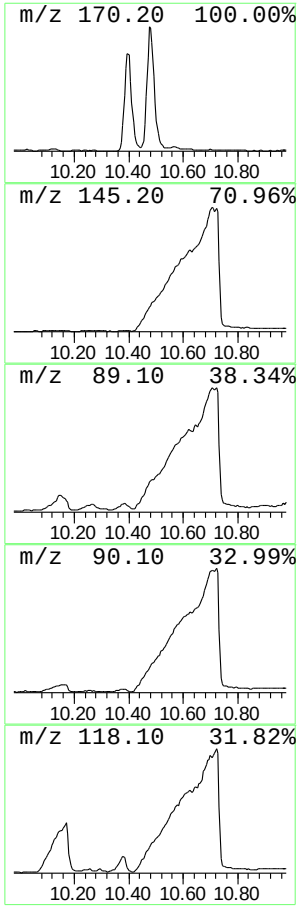
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 1(2H)-Isoquinolinone Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.476	12.65 ug/ml	1335830	Phenanthrene-d10	11.139

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Isoquinolinone	145	C9H7NO	000491-30-5	64
2	5-Isoquinolinol	145	C9H7NO	002439-04-5	64
3	p-Toluic acid, 3-chloro-	170	C8H7ClO2	005162-82-3	49
4	5-Quinolinol	145	C9H7NO	000578-67-6	45
5	Oxazole, 4-phenyl-	145	C9H7NO	020662-89-9	43





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Misc : op13230,Ej633,1000,,,1,4,water
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

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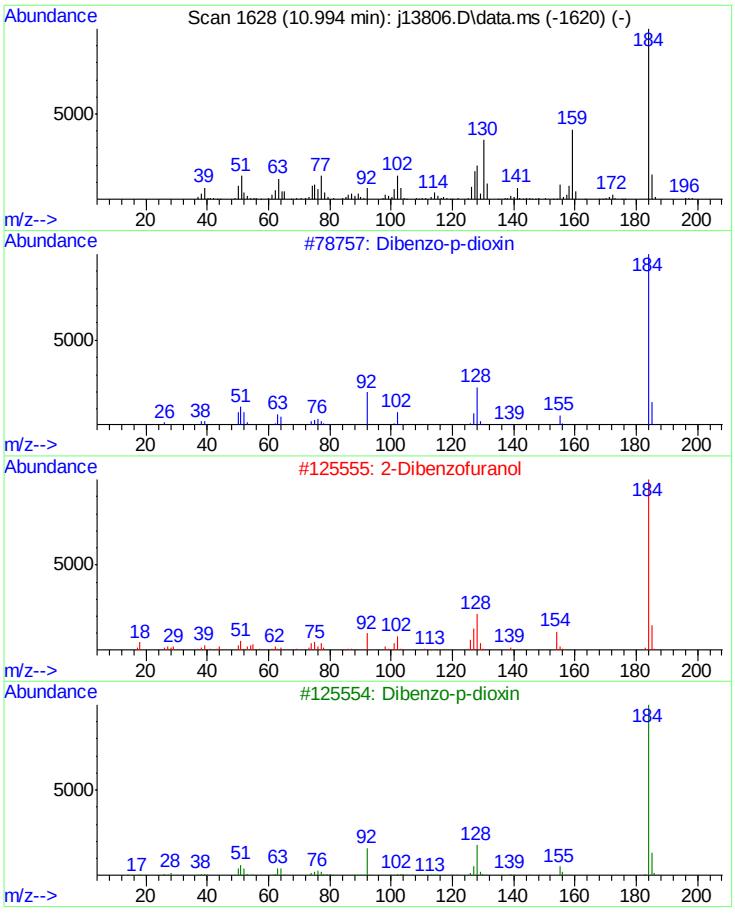
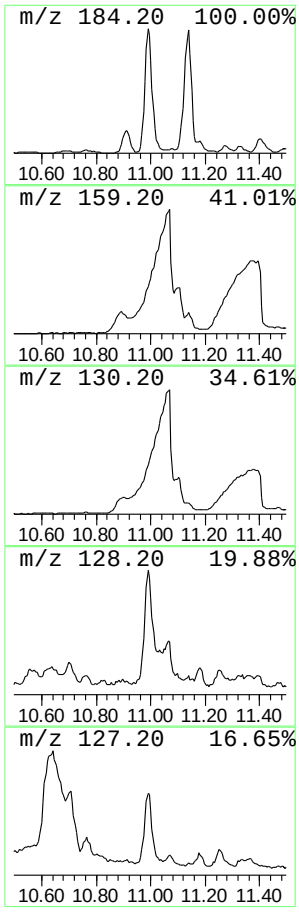
Peak Number 18 Dibenzo-p-dioxin Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.995	13.69 ug/ml	1446160	Phenanthrene-d10	11.139

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo-p-dioxin	184	C12H8O2	000262-12-4	90
2	2-Dibenzofuranol	184	C12H8O2	000086-77-1	58
3	Dibenzo-p-dioxin	184	C12H8O2	000262-12-4	49
4	2-Dibenzofuranol	184	C12H8O2	000086-77-1	46
5	Benzene, 1-methoxy-4-(2,2-dicyan...	184	C11H8N2O	002826-26-8	43





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Misc : op13230,Ej633,1000,,,1,4,water
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

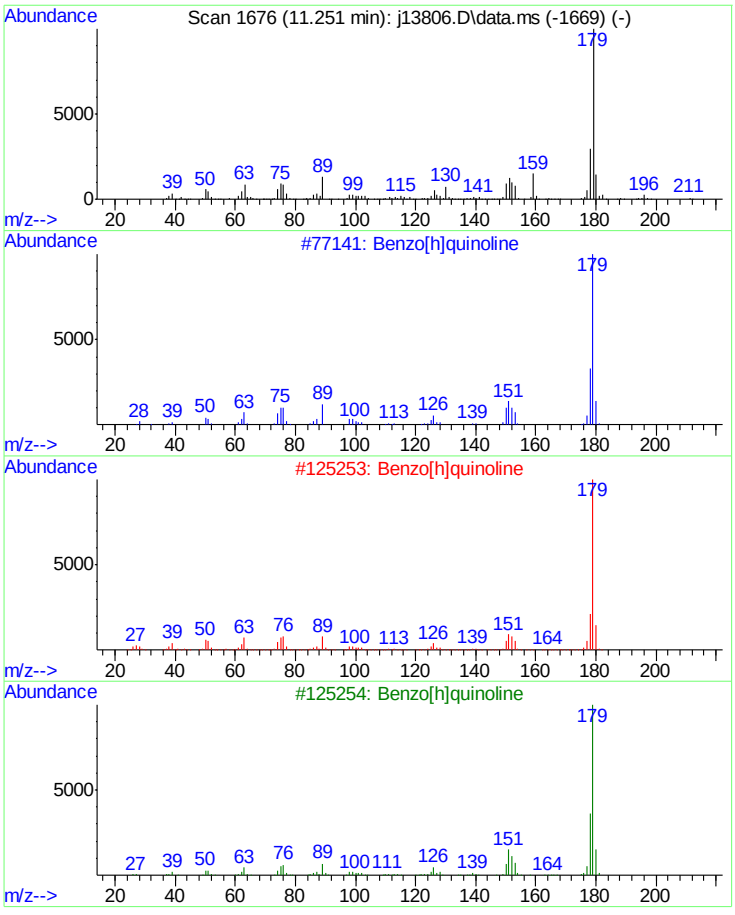
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

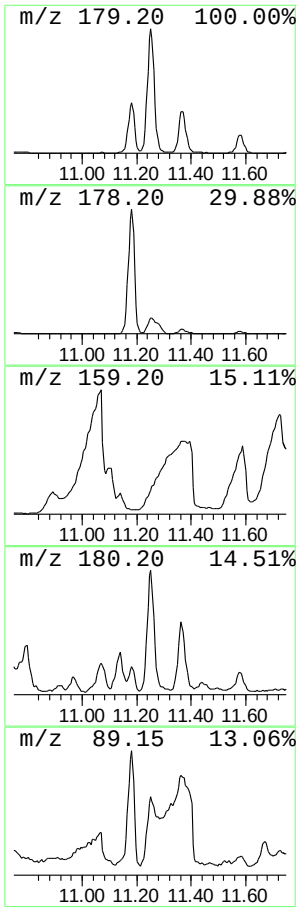
****

Peak Number 19 Benzo[h]quinoline Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.251	21.23 ug/ml	2242660	Phenanthrene-d10	11.139

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[h]quinoline	179	C13H9N	000230-27-3	98
2	Benzo[h]quinoline	179	C13H9N	000230-27-3	96
3	Benzo[h]quinoline	179	C13H9N	000230-27-3	96
4	Benzo[g]isoquinoline	179	C13H9N	1000138-12-1	94
5	Acridine	179	C13H9N	000260-94-6	93





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ALS Vial  : 24   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

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TIC Integration Parameters: LSCINT.P
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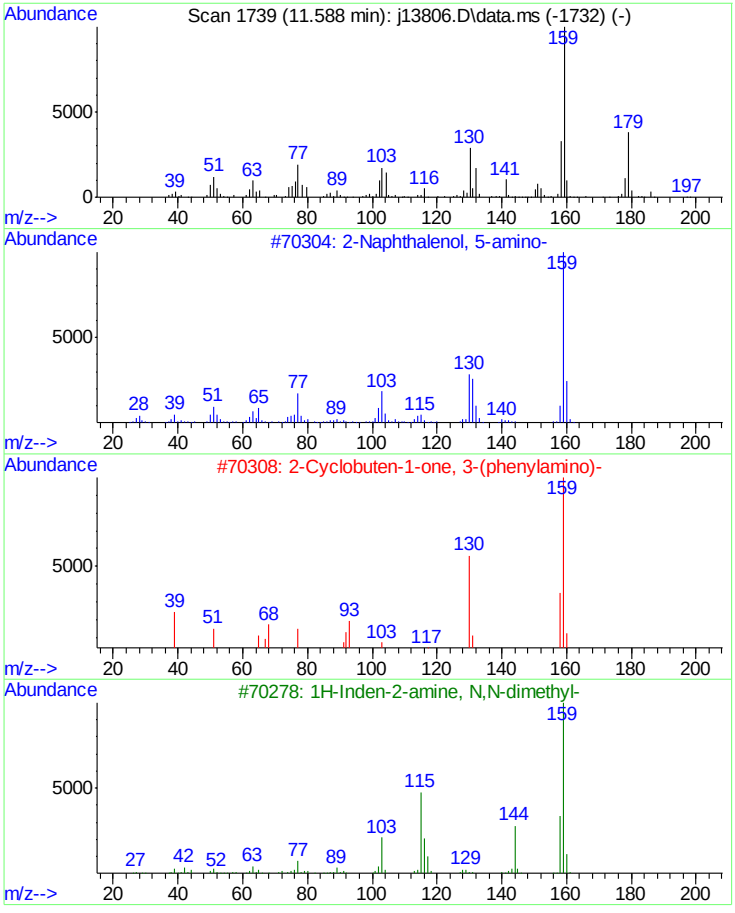
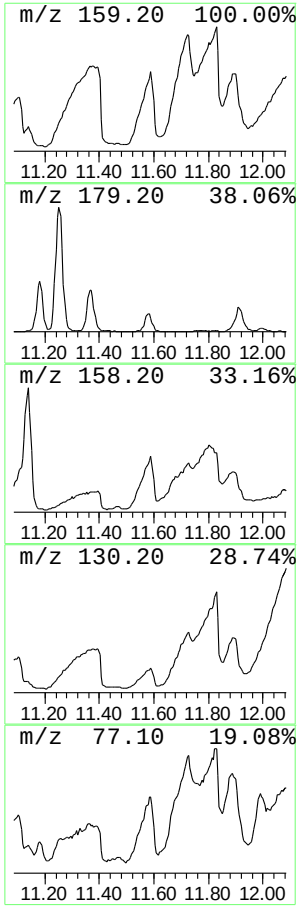
Peak Number 20 2-Naphthalenol, 5-amino- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.588	11.22 ug/ml	1184990	Phenanthrene-d10	11.139

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenol, 5-amino-	159	C10H9NO	000086-97-5	49
2	2-Cyclobuten-1-one, 3-(phenylami...	159	C10H9NO	038425-49-9	47
3	1H-Inden-2-amine, N,N-dimethyl-	159	C11H13N	035336-08-4	46
4	8-Quinolinol, 2-methyl-	159	C10H9NO	000826-81-3	46
5	8-Quinolinol, 4-methyl-	159	C10H9NO	003846-73-9	43





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Operator : sheilac
Sample : t39513-5,4x
Misc : op13230,Ej633,1000,,,1,4,water
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

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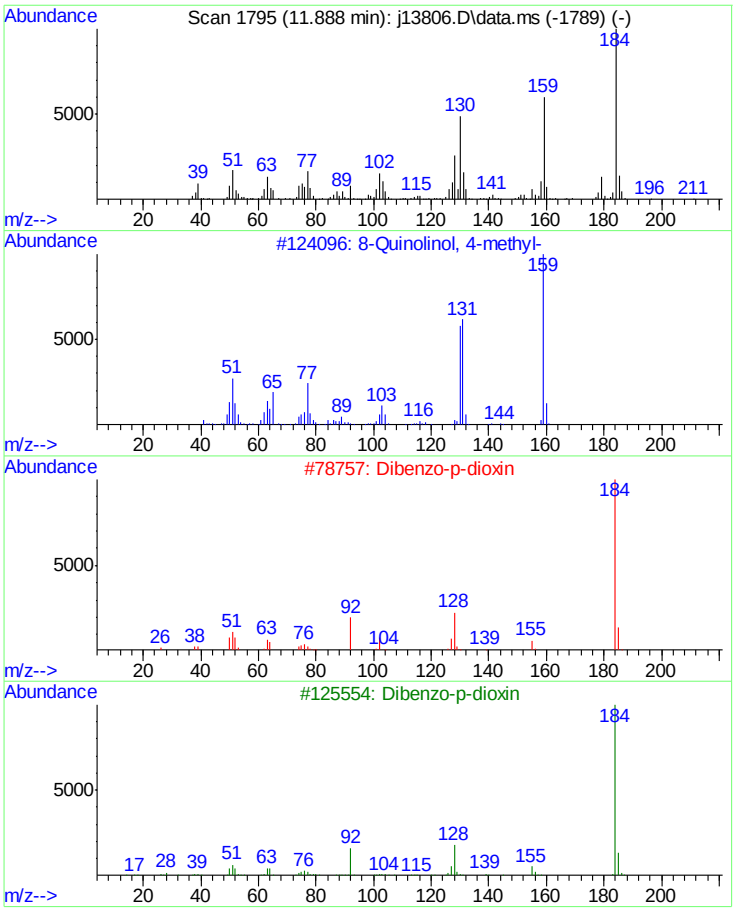
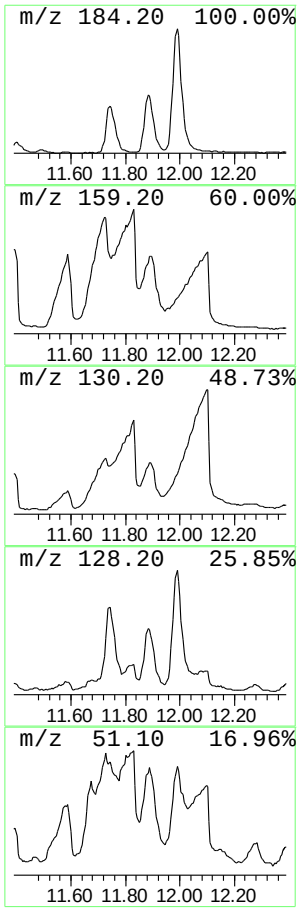
Peak Number 21 8-Quinolinol, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.888	20.33 ug/ml	2147820	Phenanthrene-d10	11.139

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Quinolinol, 4-methyl-	159	C10H9NO	003846-73-9	47
2	Dibenzo-p-dioxin	184	C12H8O2	000262-12-4	45
3	Dibenzo-p-dioxin	184	C12H8O2	000262-12-4	45
4	2(1H)-Quinolinone, 1-methyl-	159	C10H9NO	000606-43-9	42
5	2-Dibenzofuranol	184	C12H8O2	000086-77-1	38





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Sample : t39513-5,4x
Misc : op13230,Ej633,1000,,,1,4,water
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

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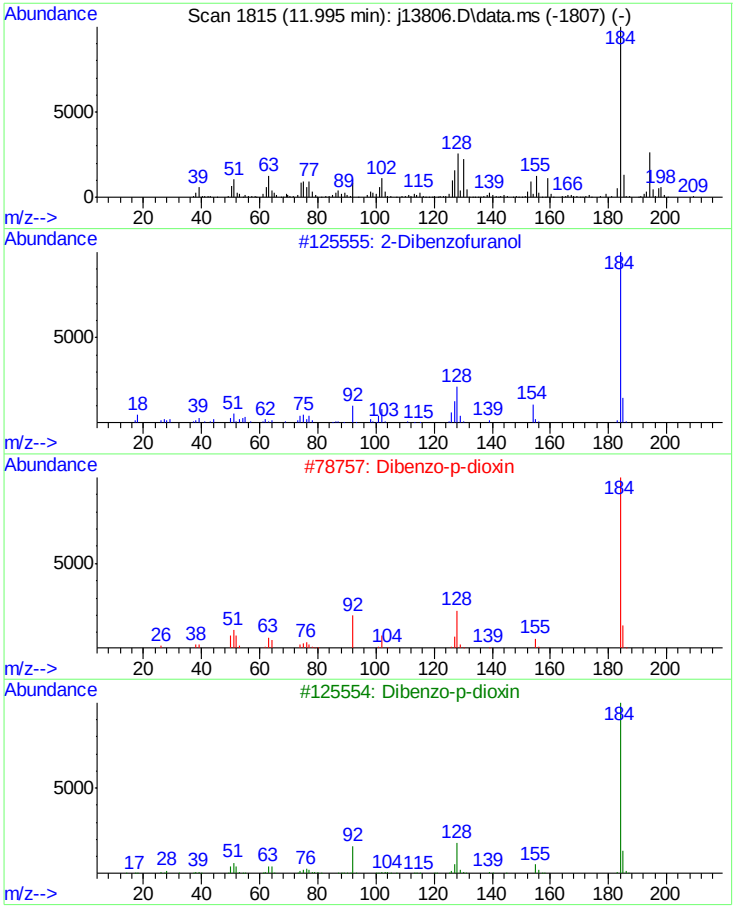
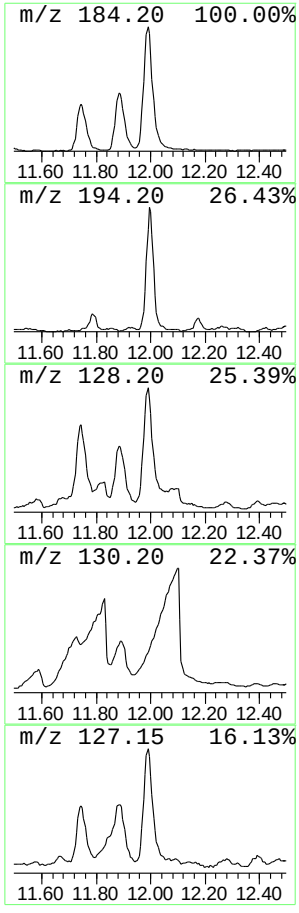
Peak Number 22 2-Dibenzofuranol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.995	22.39 ug/ml	2365230	Phenanthrene-d10	11.139

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Dibenzofuranol	184	C12H8O2	000086-77-1	60
2	Dibenzo-p-dioxin	184	C12H8O2	000262-12-4	58
3	Dibenzo-p-dioxin	184	C12H8O2	000262-12-4	58
4	2-Dibenzofuranol	184	C12H8O2	000086-77-1	46
5	4(3H)-Quinazolinone, 3-(2-propyn...	184	C11H8N2O	016347-56-1	43





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Misc : op13230,Ej633,1000,,,1,4,water
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

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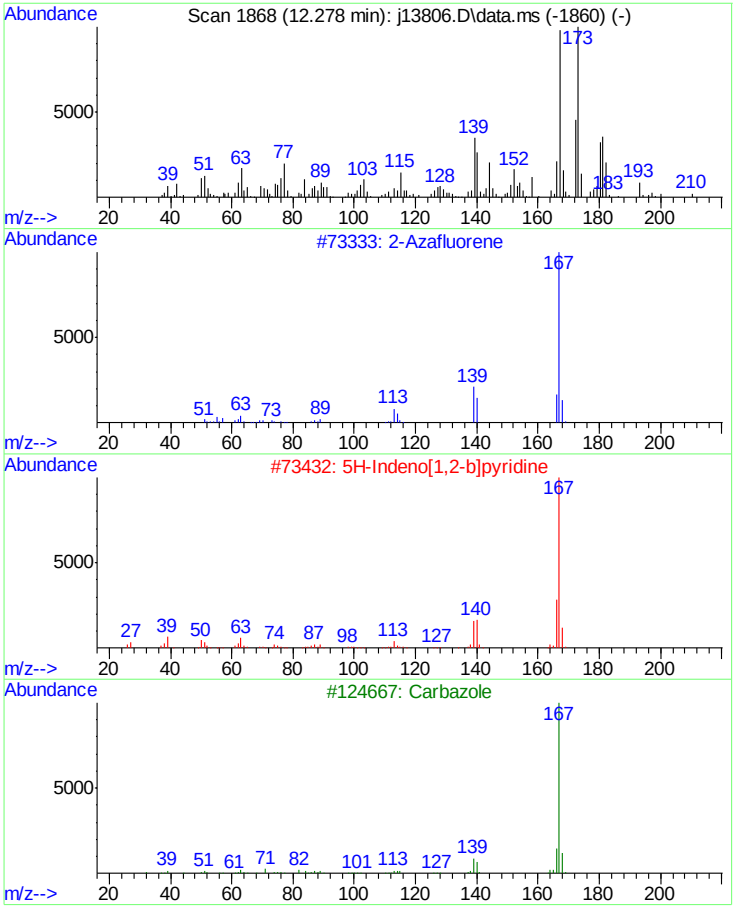
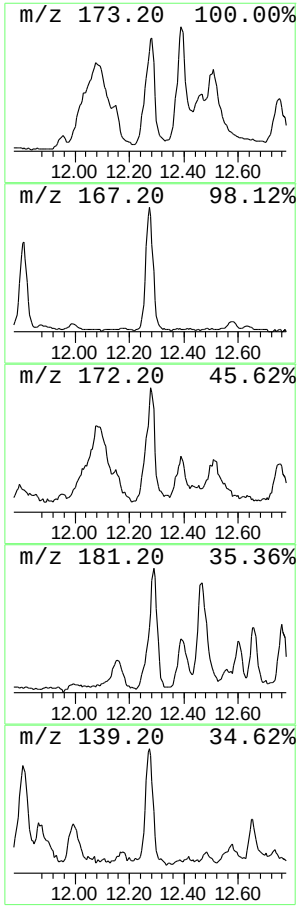
Peak Number 23 2-Azafluorene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.278	9.97 ug/ml	1053590	Phenanthrene-d10	11.139

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Azafluorene	167	C12H9N	1000216-51-0	42
2	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	42
3	Carbazole	167	C12H9N	000086-74-8	38
4	Carbazole	167	C12H9N	000086-74-8	30
5	Carbazole	167	C12H9N	000086-74-8	27





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ALS Vial  : 24   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

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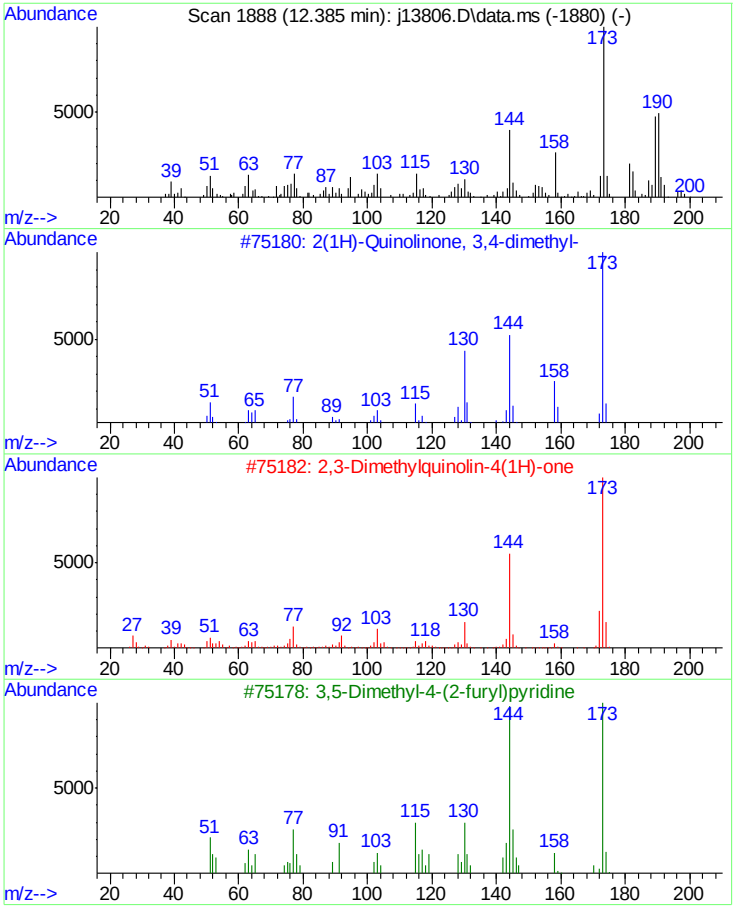
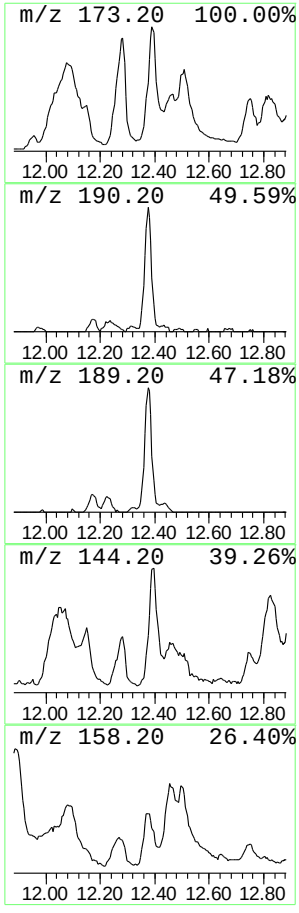
Peak Number 24 2(1H)-Quinolinone, 3,4-dime... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.385	7.63 ug/ml	805560	Phenanthrene-d10	11.139

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(1H)-Quinolinone, 3,4-dimethyl-	173	C11H11NO	017336-90-2	55
2	2,3-Dimethylquinolin-4(1H)-one	173	C11H11NO	058596-45-5	41
3	3,5-Dimethyl-4-(2-furyl)pyridine	173	C11H11NO	078563-72-1	41
4	5-Amino-1-methyl-3-phenylpyrazole	173	C10H11N3	1000136-79-7	35
5	Oxazole, 2,5-dimethyl-4-phenyl-	173	C11H11NO	020662-92-4	27





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Misc      : op13230,Ej633,1000,,,1,4,water
ALS Vial  : 24   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
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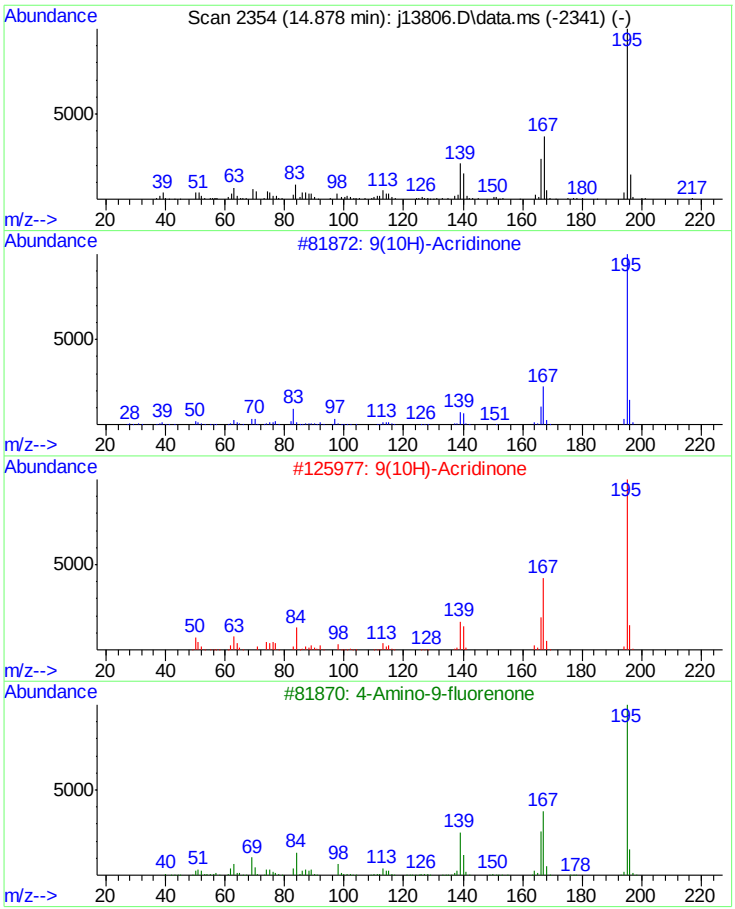
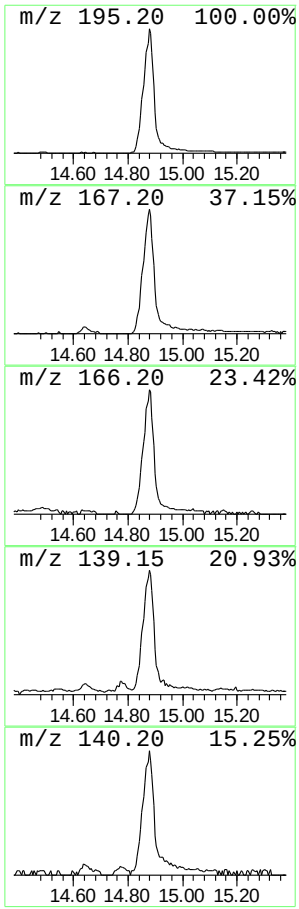
Peak Number 25 9(10H)-Acridinone Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.878	11.05 ug/ml	1117960	Chrysene-d12	16.653

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9(10H)-Acridinone	195	C13H9NO	000578-95-0	95
2	9(10H)-Acridinone	195	C13H9NO	000578-95-0	94
3	4-Amino-9-fluorenone	195	C13H9NO	004269-15-2	94
4	6(5H)-Phenanthridinone	195	C13H9NO	001015-89-0	93
5	8-Methyl-4-azafluorenone	195	C13H9NO	1000216-52-6	91





8.1.12 8

ACCUTEST Laboratories T39513

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13806.D
Acq On : 13 Oct 2009 9:48 pm
Operator : sheilac
Sample : t39513-5,4x
Misc : op13230,Ej633,1000,,,1,4,water
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
Toluene	2.640	15.0	ug/ml	1245130	1	4.699	3311230	40.0
Benzene, 1,2-di...	3.619	13.0	ug/ml	1074810	1	4.699	3311230	40.0
Benzene, 1,3-di...	3.806	13.4	ug/ml	1108480	1	4.699	3311230	40.0
Benzofuran	4.587	26.8	ug/ml	2221320	1	4.699	3311230	40.0
Indane	4.854	55.2	ug/ml	4572650	1	4.699	3311230	40.0
Quinoline, 2,7-...	7.807	18.6	ug/ml	3027340	3	8.358	6495340	40.0
Quinoline, 2,6-...	7.999	16.6	ug/ml	2687790	3	8.358	6495340	40.0
3-Butenoic acid...	8.299	7.8	ug/ml	1272120	3	8.358	6495340	40.0
1-Naphthalenol	8.614	41.9	ug/ml	6804960	3	8.358	6495340	40.0
4-Hydroxybenzo[...	8.834	13.5	ug/ml	2195770	3	8.358	6495340	40.0
2H-Quinolizin-3...	8.989	15.2	ug/ml	2465420	3	8.358	6495340	40.0
1-Naphthalenol,...	9.582	11.7	ug/ml	1897050	3	8.358	6495340	40.0
5H-Indeno[1,2-b...	9.866	23.9	ug/ml	2528170	4	11.139	4225330	40.0
Indenone, 5-met...	10.165	42.0	ug/ml	4438030	4	11.139	4225330	40.0
1-Naphthaleneca...	10.267	23.6	ug/ml	2489230	4	11.139	4225330	40.0
Cyclopropanamin...	10.385	11.4	ug/ml	1208080	4	11.139	4225330	40.0
1(2H)-Isoquinol...	10.476	12.7	ug/ml	1335830	4	11.139	4225330	40.0
Dibenzo-p-dioxin	10.995	13.7	ug/ml	1446160	4	11.139	4225330	40.0
Benzo[h]quinoline	11.251	21.2	ug/ml	2242660	4	11.139	4225330	40.0
2-Naphthalenol,...	11.588	11.2	ug/ml	1184990	4	11.139	4225330	40.0
8-Quinolinol, 4...	11.888	20.3	ug/ml	2147820	4	11.139	4225330	40.0
2-Dibenzofuranol	11.995	22.4	ug/ml	2365230	4	11.139	4225330	40.0
2-Azafluorene	12.278	10.0	ug/ml	1053590	4	11.139	4225330	40.0
2(1H)-Quinolino...	12.385	7.6	ug/ml	805560	4	11.139	4225330	40.0
9(10H)-Acridinone	14.878	11.1	ug/ml	1117960	5	16.653	4046280	40.0

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/19/09 17:08

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13799.D
Acq On : 13 Oct 2009 6:21 pm
Operator : sheilac
Sample : t39513-6
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 14 11:18:02 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Tue Oct 13 13:17:41 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.699	152	525286	40.00	ug/ml	-0.03
20) Naphthalene-d8	5.903	136	1982391	40.00	ug/ml	-0.04
36) Acenaphthene-d10	8.352	164	1098526	40.00	ug/ml	-0.06
57) Phenanthrene-d10	11.128	188	1579724	40.00	ug/ml	-0.07
71) Chrysene-d12	16.648	240	1358066	40.00	ug/ml	-0.09
80) Perylene-d12	19.451	264	911535	40.00	ug/ml	-0.07
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.699	112	757496	45.95	ug/ml	0.02
Spiked Amount 100.000	Range 10 - 66		Recovery = 45.95%			
5) Phenol-d5 (SURR)	4.475	99	718298	34.86	ug/ml	-0.02
Spiked Amount 100.000	Range 10 - 53		Recovery = 34.86%			
21) Nitrobenzene-d5 (SURR)	5.191	82	717602	34.52	ug/ml	-0.11
Spiked Amount 50.000	Range 29 - 115		Recovery = 69.04%			
40) 2-Fluorobiphenyl (SURR)	7.293	172	1353843	30.57	ug/ml	-0.25
Spiked Amount 50.000	Range 34 - 113		Recovery = 61.14%			
62) 2,4,6-Tribromophenol (...	9.796	330	401887	75.61	ug/ml	-0.17
Spiked Amount 100.000	Range 32 - 128		Recovery = 75.61%			
74) Terphenyl-d14	14.498	244	1389219	42.84	ug/ml	-0.10
Spiked Amount 50.000	Range 12 - 145		Recovery = 85.68%			
Target Compounds						Qvalue
6) Phenol	4.491	94	220626	9.90	ug/ml	81
14) 2-Methylphenol	4.972	108	15185m	0.97	ug/ml	
16) 4-Methylphenol	5.116	108	46362	2.80	ug/ml#	60
17) m+p-Cresols	5.116	108	46362	2.80	ug/ml#	60
30) Naphthalene	5.929	128	3837063	71.07	ug/ml	100
34) 2-Methylnaphthalene	6.764	142	78733	2.39	ug/ml	98
35) 1-Methylnaphthalene	6.897	142	289692	8.39	ug/ml	99
47) Acenaphthene	8.411	154	1284551	42.03	ug/ml	100
50) Dibenzofuran	8.705	168	584641	13.39	ug/ml	99
54) Fluorene	9.326	166	422657	11.11	ug/ml	98
66) Phenanthrene	11.171	178	369953	7.86	ug/ml	99
68) Carbazole	11.652	167	324552	8.90	ug/ml	99
70) Fluoranthene	13.615	202	77376	1.81	ug/ml#	63
73) Pyrene	14.075	202	56542	1.18	ug/ml#	58

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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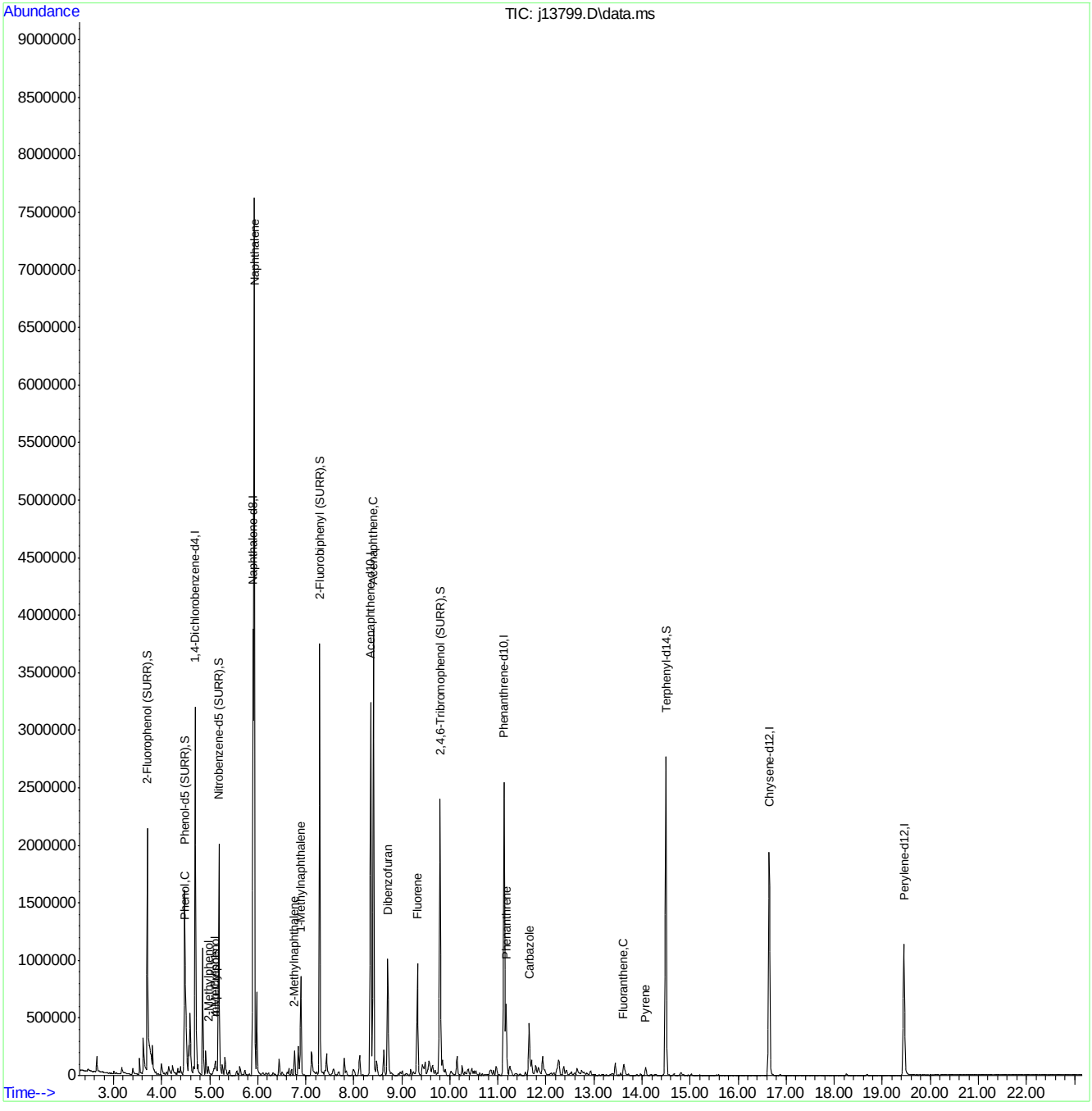
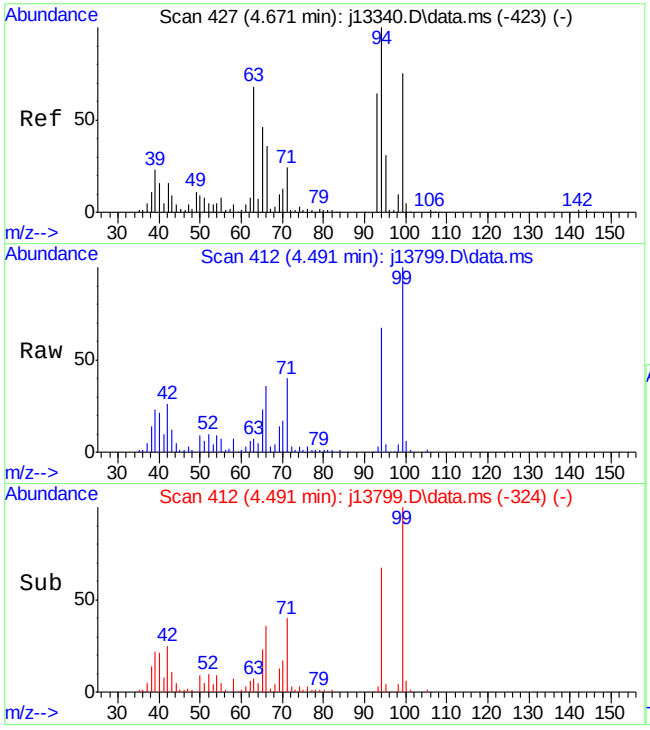
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13799.D
Acq On : 13 Oct 2009 6:21 pm
Operator : sheilac
Sample : t39513-6
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 14 11:18:02 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Tue Oct 13 13:17:41 2009
Response via : Initial Calibration

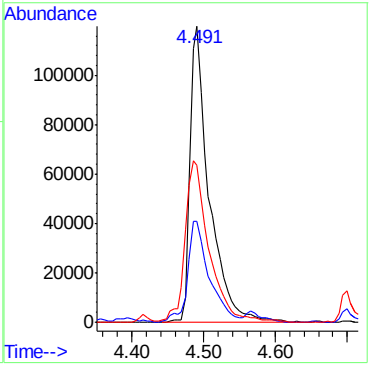


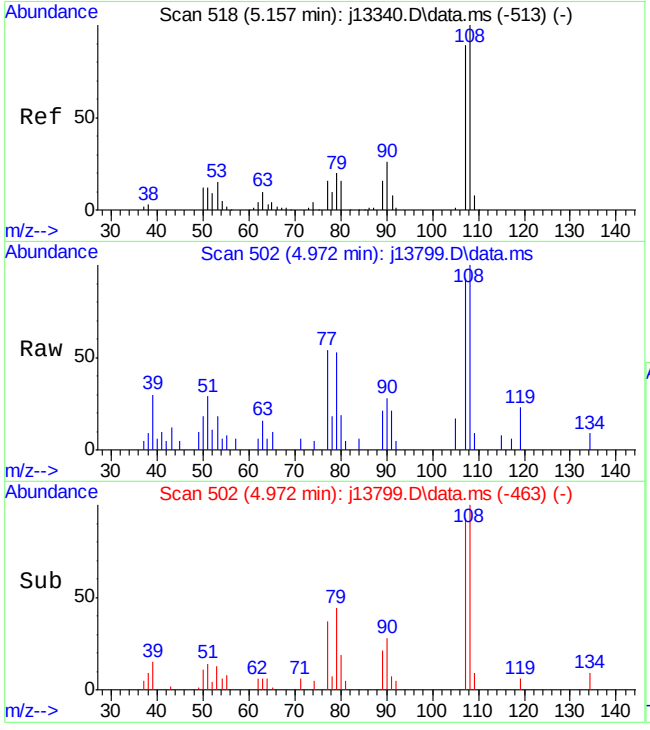


#6
Phenol
Concen: 9.90 ug/ml
RT: 4.491 min Scan# 412
Delta R.T. -0.028 min
Lab File: j13799.D
Acq: 13 Oct 2009 6:21 pm

Tgt Ion: 94 Resp: 220626

Ion	Ratio	Lower	Upper
94	100		
65	38.9	35.3	75.3
66	68.9	37.4	77.4

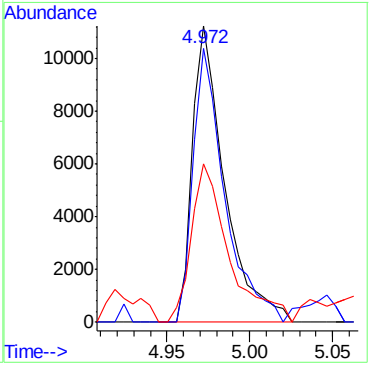




#14
2-Methylphenol
Concen: 0.97 ug/ml m
RT: 4.972 min Scan# 502
Delta R.T. 0.011 min
Lab File: j13799.D
Acq: 13 Oct 2009 6:21 pm

Tgt Ion:108 Resp: 15185

Ion	Ratio	Lower	Upper
108	100		
107	352.9	68.3	108.3#
77	0.0	30.8	70.8#



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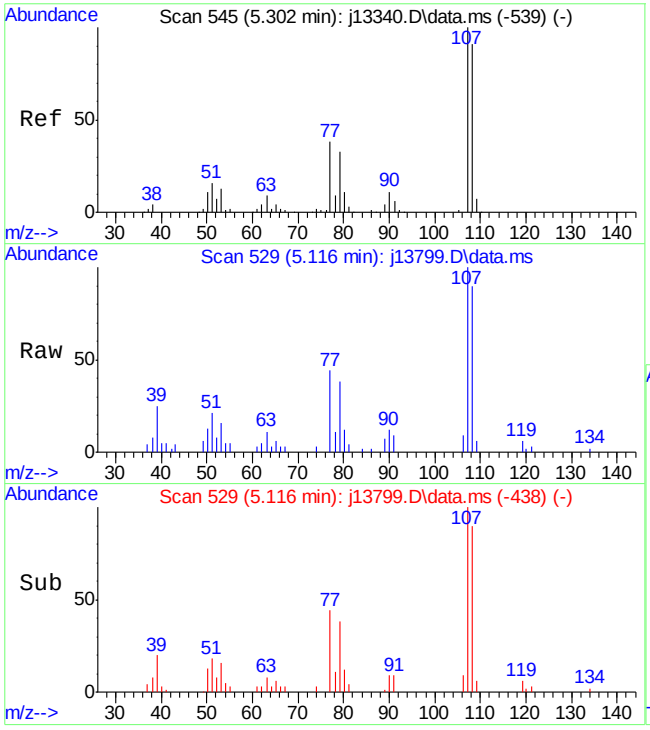
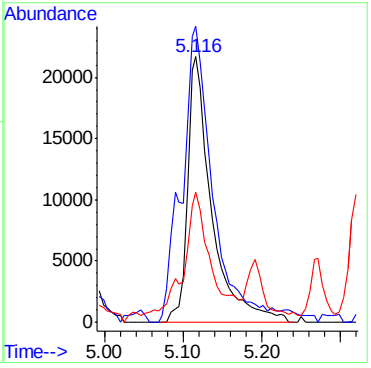
ACCUTEST Laboratories T39513

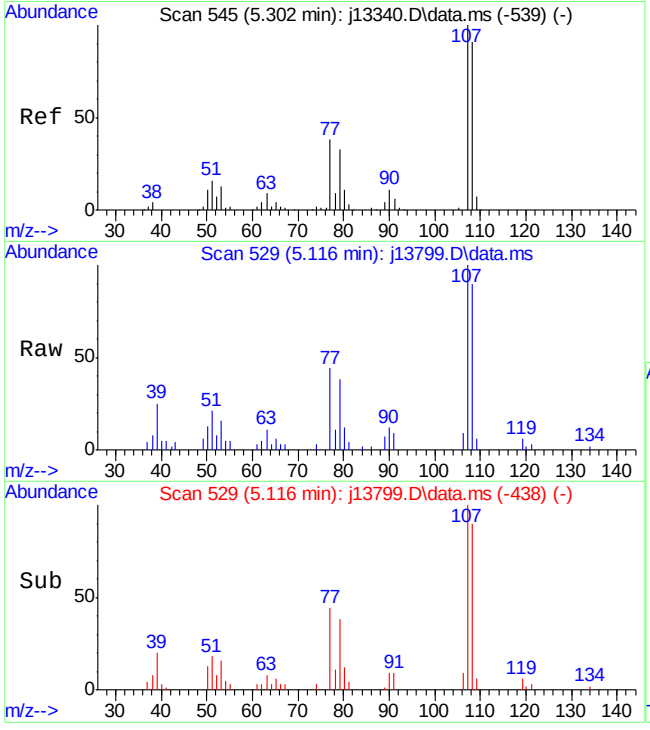


#16
4-Methylphenol
Concen: 2.80 ug/ml
RT: 5.116 min Scan# 529
Delta R.T. -0.013 min
Lab File: j13799.D
Acq: 13 Oct 2009 6:21 pm

Tgt Ion:108 Resp: 46362

Ion	Ratio	Lower	Upper
108	100		
107	142.9	90.0	130.0#
77	0.0	20.6	60.6#

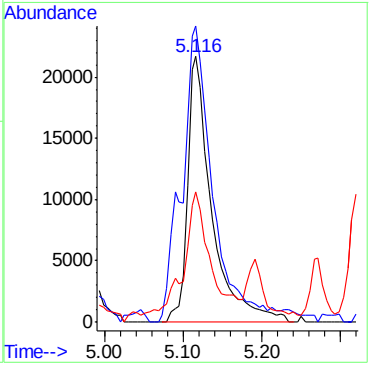


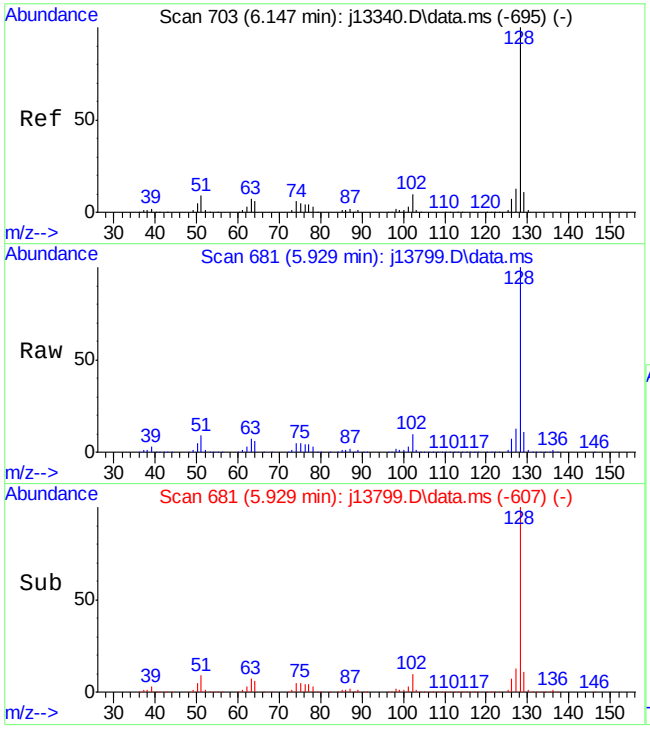


#17
m+p-Cresols
Concen: 2.80 ug/ml
RT: 5.116 min Scan# 529
Delta R.T. -0.013 min
Lab File: j13799.D
Acq: 13 Oct 2009 6:21 pm

Tgt Ion:108 Resp: 46362

Ion	Ratio	Lower	Upper
108	100		
107	142.9	90.0	130.0#
77	0.0	20.6	60.6#

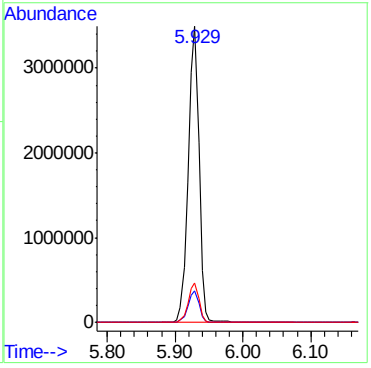


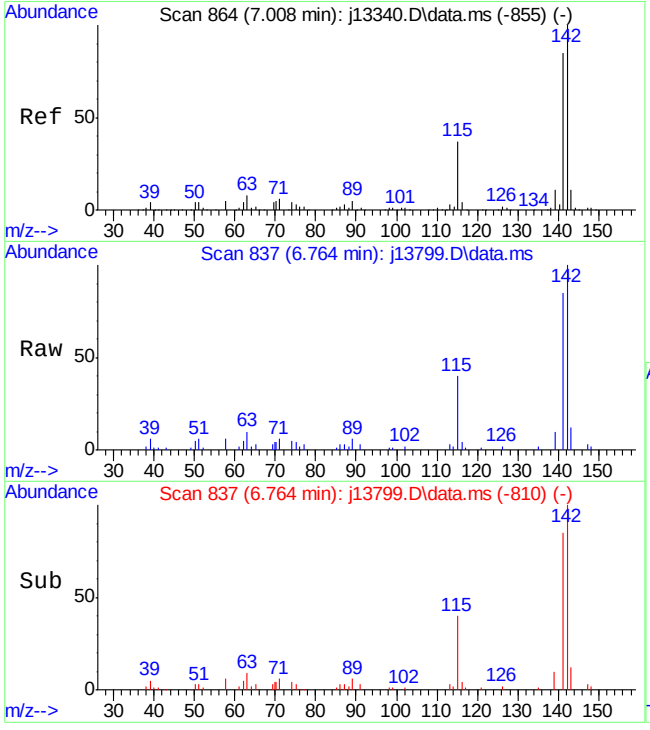


#30
Naphthalene
Concen: 71.07 ug/ml
RT: 5.929 min Scan# 681
Delta R.T. -0.105 min
Lab File: j13799.D
Acq: 13 Oct 2009 6:21 pm

Tgt Ion:128 Resp: 3837063

Ion	Ratio	Lower	Upper
128	100		
129	10.8	0.0	30.9
127	13.2	0.0	33.4

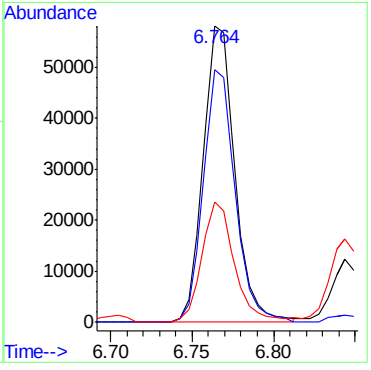




#34
2-Methylnaphthalene
Concen: 2.39 ug/ml
RT: 6.764 min Scan# 837
Delta R.T. -0.053 min
Lab File: j13799.D
Acq: 13 Oct 2009 6:21 pm

Tgt Ion:142 Resp: 78733

Ion	Ratio	Lower	Upper
142	100		
141	85.5	66.2	106.2
115	41.4	17.8	57.8



8.1.13

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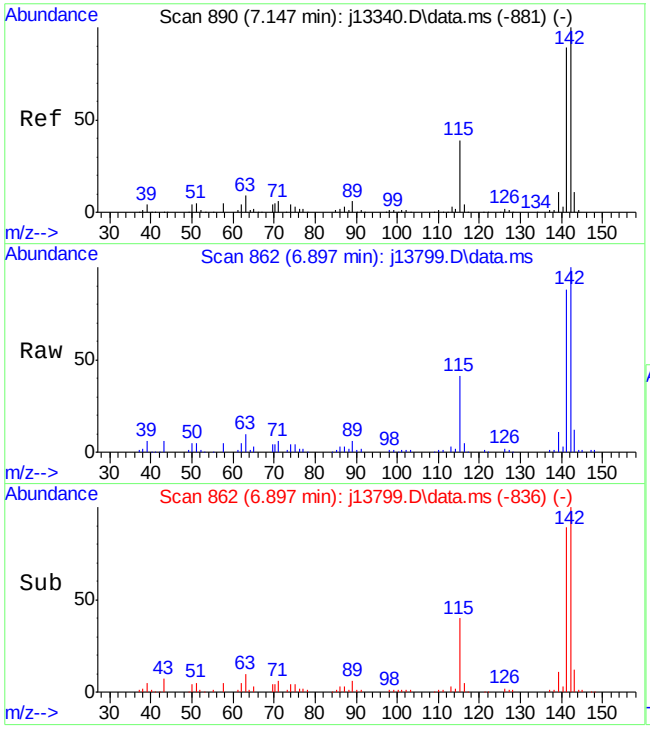
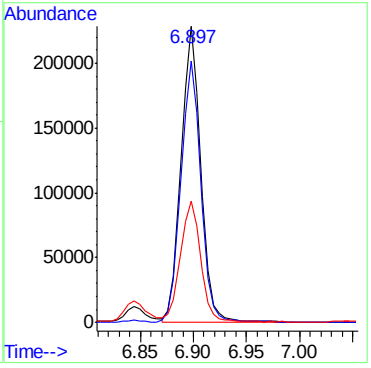
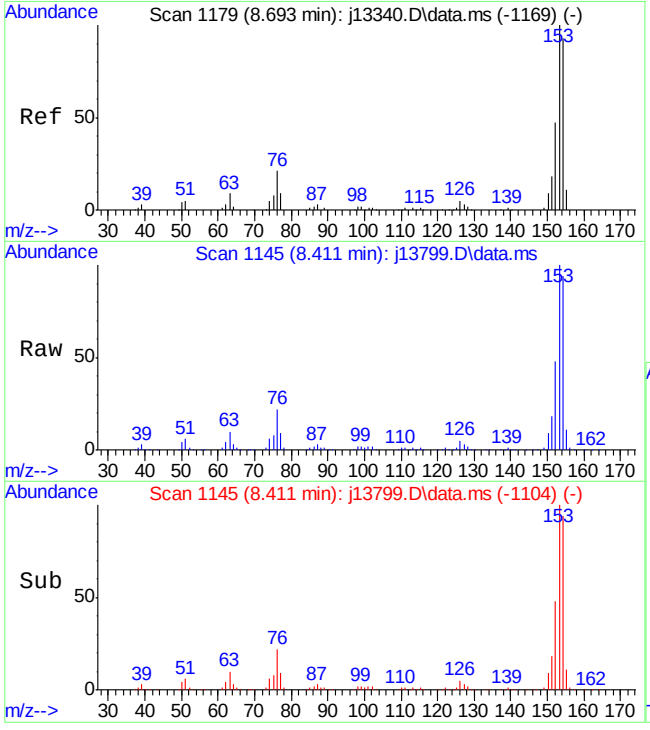


#35
1-Methylnaphthalene
Concen: 8.39 ug/ml
RT: 6.897 min Scan# 862
Delta R.T. -0.059 min
Lab File: j13799.D
Acq: 13 Oct 2009 6:21 pm

Tgt Ion:142 Resp: 289692

Ion	Ratio	Lower	Upper
142	100		
141	89.4	69.4	109.4
115	41.5	18.9	58.9

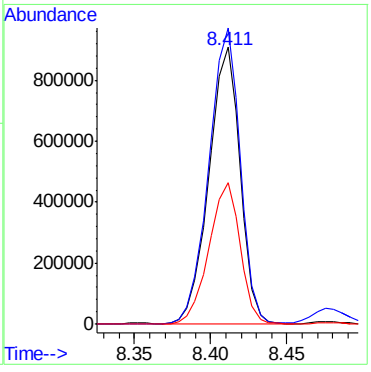


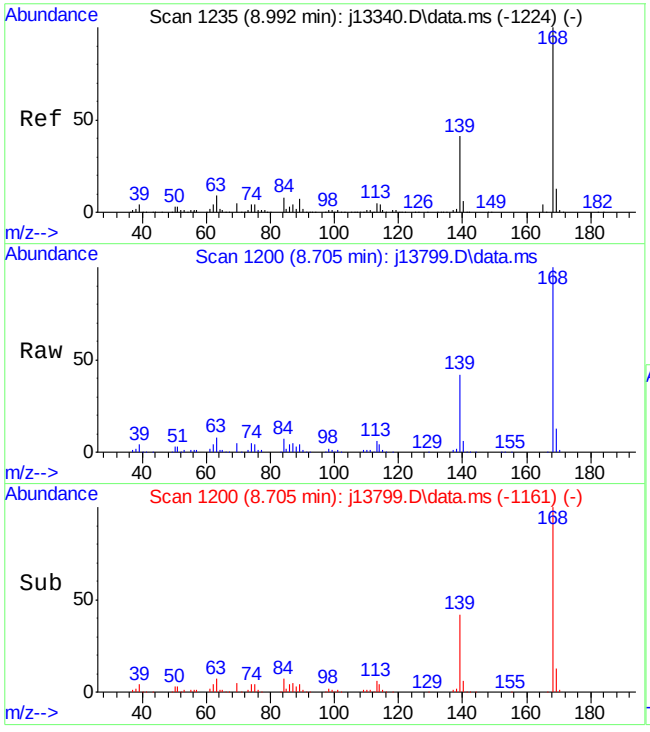


#47
Acenaphthene
Concen: 42.03 ug/ml
RT: 8.411 min Scan# 1145
Delta R.T. -0.282 min
Lab File: j13799.D
Acq: 13 Oct 2009 6:21 pm

Tgt Ion:154 Resp: 1284551

Ion	Ratio	Lower	Upper
154	100		
153	107.6	87.9	127.9
152	50.8	31.3	71.3

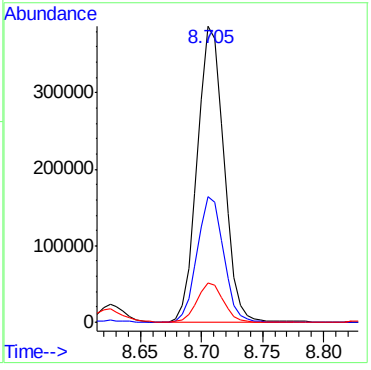


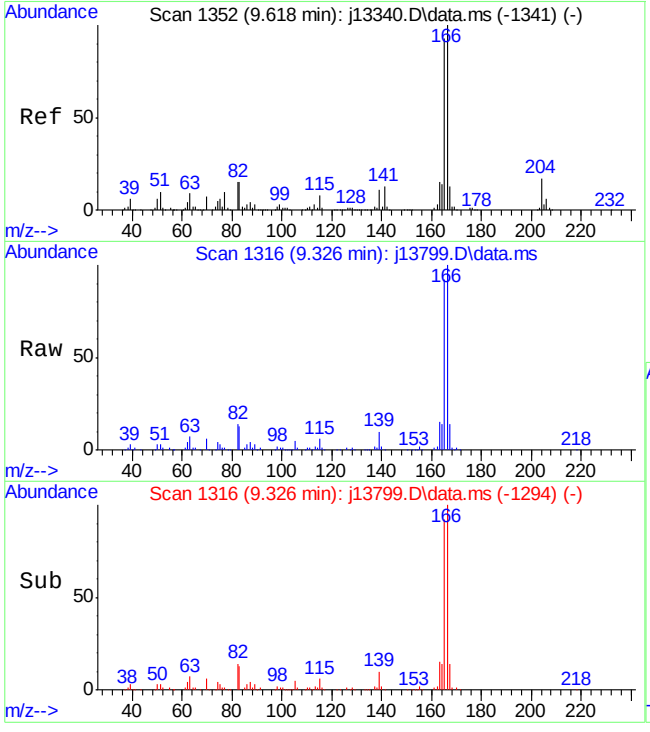


#50
Dibenzofuran
Concen: 13.39 ug/ml
RT: 8.705 min Scan# 1200
Delta R.T. -0.293 min
Lab File: j13799.D
Acq: 13 Oct 2009 6:21 pm

Tgt Ion:168 Resp: 584641

Ion	Ratio	Lower	Upper
168	100		
139	42.2	21.2	61.2
169	13.2	0.0	33.2

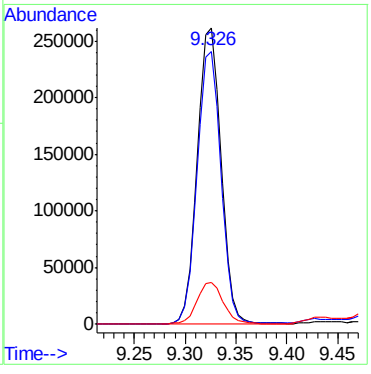


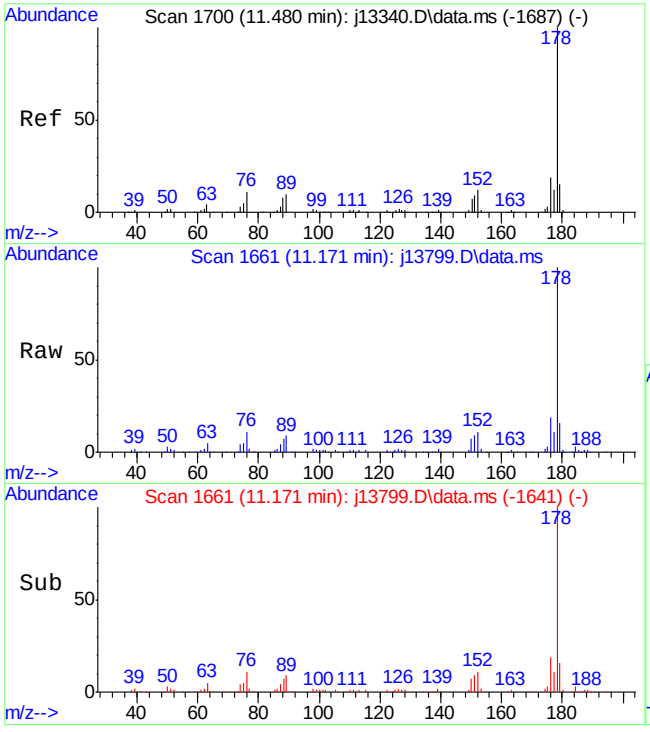


#54
Fluorene
Concen: 11.11 ug/ml
RT: 9.326 min Scan# 1316
Delta R.T. -0.080 min
Lab File: j13799.D
Acq: 13 Oct 2009 6:21 pm

Tgt Ion:166 Resp: 422657

Ion	Ratio	Lower	Upper
166	100		
165	92.1	73.8	113.8
167	15.5	0.0	33.3

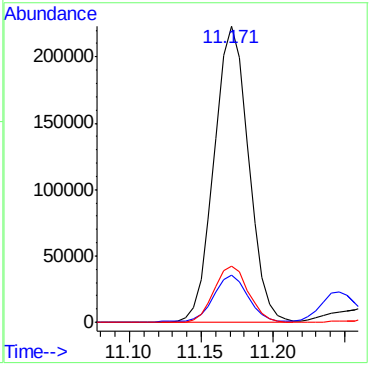


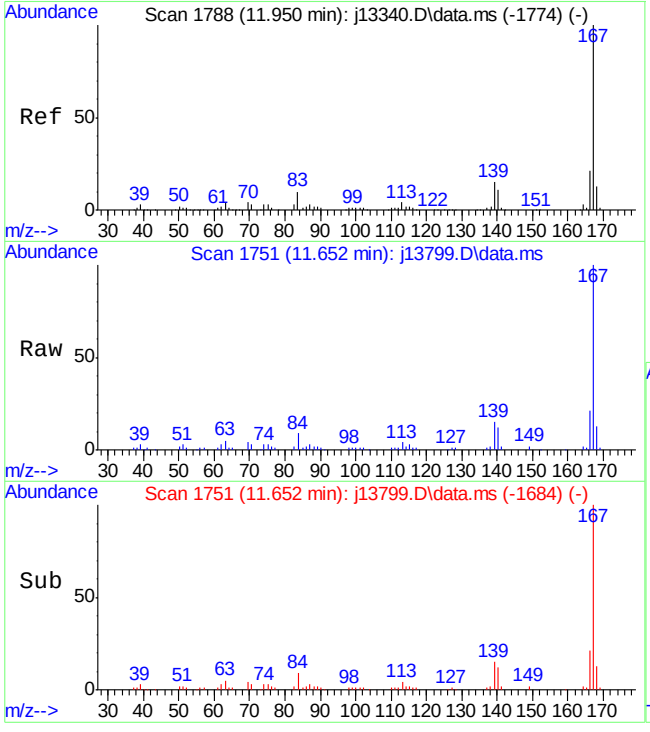


#66
Phenanthrene
Concen: 7.86 ug/ml
RT: 11.171 min Scan# 1661
Delta R.T. -0.091 min
Lab File: j13799.D
Acq: 13 Oct 2009 6:21 pm

Tgt Ion:178 Resp: 369953

Ion	Ratio	Lower	Upper
178	100		
179	16.2	0.0	35.2
176	18.9	0.0	39.2

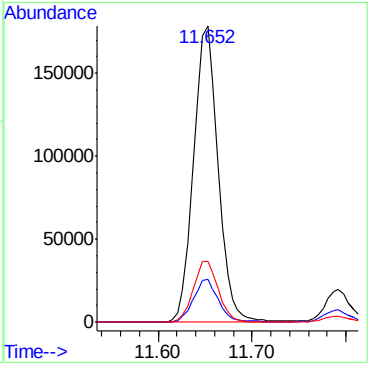


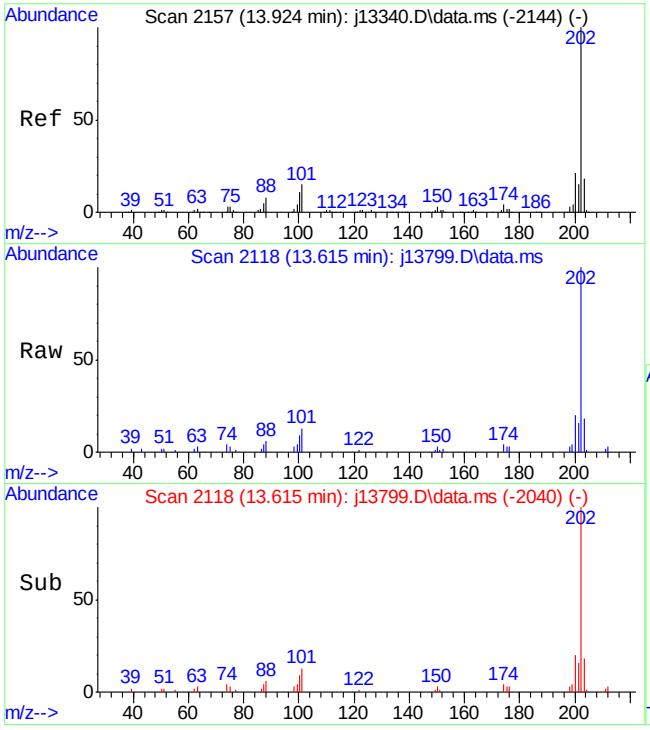


#68
Carbazole
Concen: 8.90 ug/ml
RT: 11.652 min Scan# 1751
Delta R.T. -0.141 min
Lab File: j13799.D
Acq: 13 Oct 2009 6:21 pm

Tgt Ion:167 Resp: 324552

Ion	Ratio	Lower	Upper
167	100		
139	14.5	0.0	34.1
166	20.6	0.9	40.9

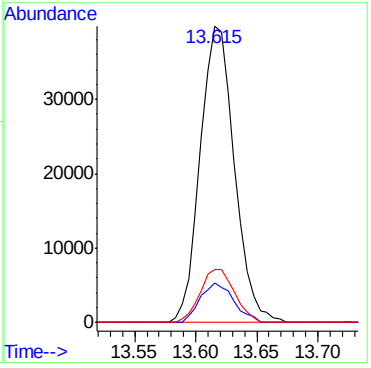


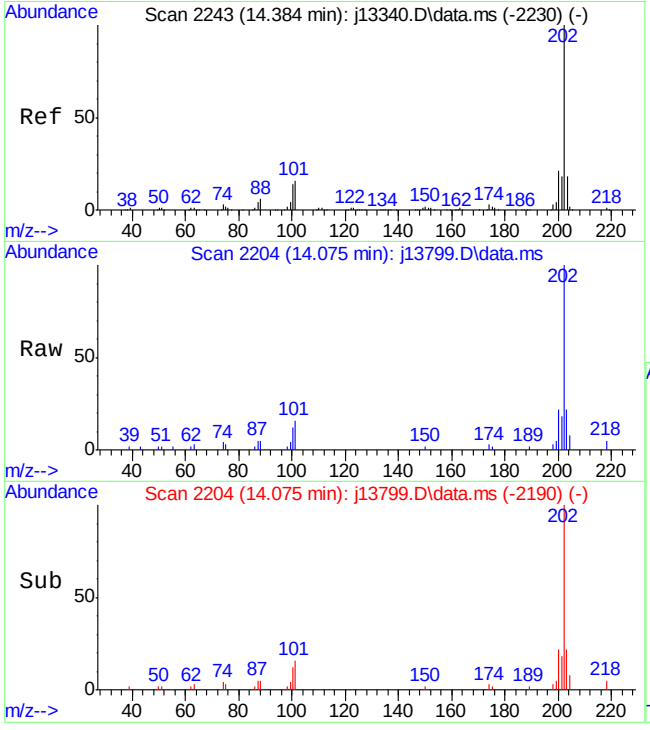


#70
Fluoranthene
Concen: 1.81 ug/ml
RT: 13.615 min Scan# 2118
Delta R.T. -0.085 min
Lab File: j13799.D
Acq: 13 Oct 2009 6:21 pm

Tgt Ion:202 Resp: 77376

Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	33.9
203	0.0	0.0	37.3

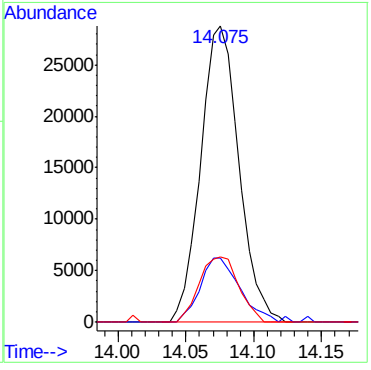




#73
Pyrene
Concen: 1.18 ug/ml
RT: 14.075 min Scan# 2204
Delta R.T. -0.125 min
Lab File: j13799.D
Acq: 13 Oct 2009 6:21 pm

Tgt Ion:202 Resp: 56542

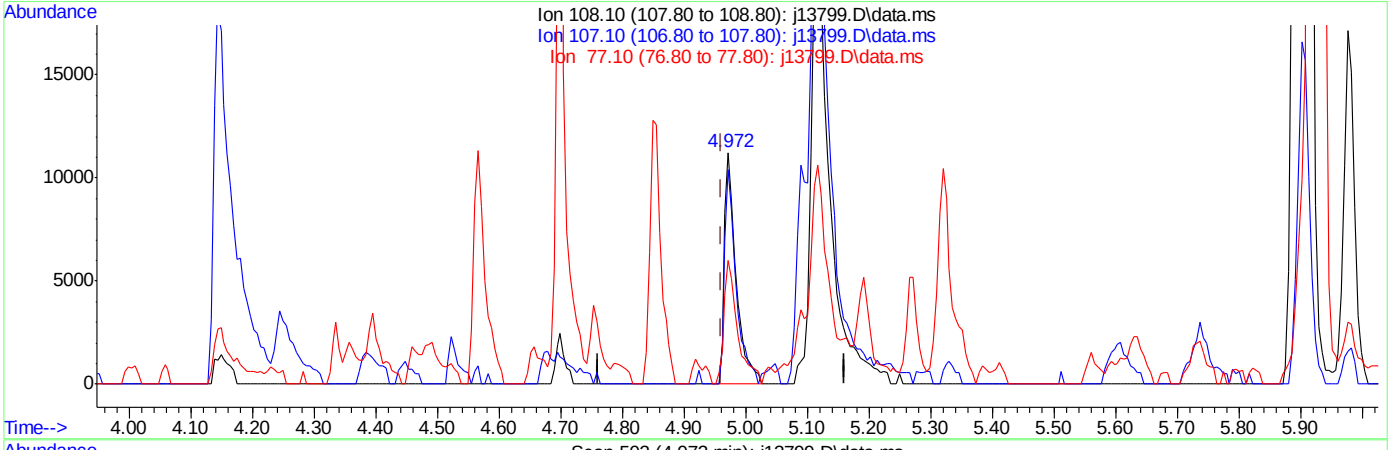
Ion	Ratio	Lower	Upper
202	100		
200	0.0	0.5	40.5#
203	0.0	0.0	37.8

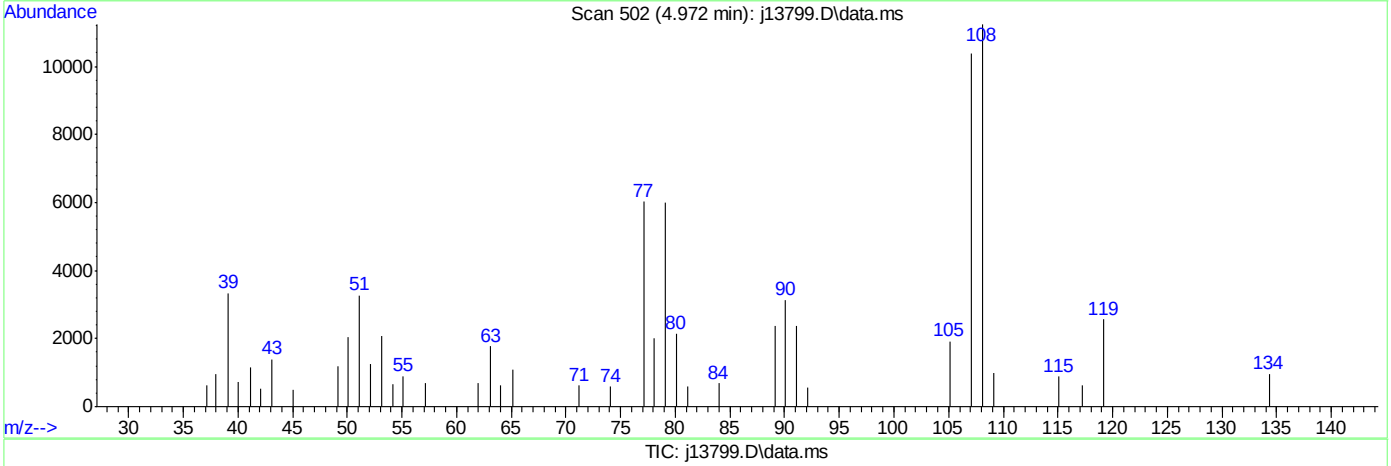


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13799.D
Acq On : 13 Oct 2009 6:21 pm
Operator : sheilac
Sample : t39513-6
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 14 11:18:02 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Tue Oct 13 13:17:41 2009
Response via : Initial Calibration





TIC: j13799.D\data.ms

(14) 2-Methylphenol

4.972min (+0.011) 0.97ug/ml m

response 15185

Ion	Exp%	Act%
108.10	100	100
107.10	88.30	352.91#
77.10	50.80	0.00#
0.00	0.00	0.00

LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13799.D
Acq On : 13 Oct 2009 6:21 pm
Operator : sheilac
Sample : t39513-6
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 17 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 23000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\ej615mg.m
Title :

Signal : TIC: j13799.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.651	64	68	74	rBV	135811	133063	1.66%	0.168%
2	3.164	162	164	174	rBV	57307	102558	1.28%	0.129%
3	3.544	231	235	245	rBV	140980	151386	1.89%	0.191%
4	3.619	245	249	261	rBV	309063	548717	6.86%	0.693%
5	3.699	261	264	273	rBV	2099650	2384770	29.80%	3.010%
6	3.811	283	285	295	rVB	236925	262037	3.27%	0.331%
7	3.993	316	319	327	rBV3	92797	132093	1.65%	0.167%
8	4.143	344	347	352	rBV	67315	111474	1.39%	0.141%
9	4.229	358	363	372	rBV2	67549	106257	1.33%	0.134%
10	4.394	391	394	401	rVB2	70290	84577	1.06%	0.107%
11	4.475	406	409	423	rVV2	1607776	2980000	37.24%	3.761%
12	4.565	423	426	428	rVV	251248	278883	3.48%	0.352%
13	4.592	428	431	440	rVV2	536932	741134	9.26%	0.935%
14	4.667	440	445	447	rVV2	88549	116112	1.45%	0.147%
15	4.699	447	451	459	rVV	3194084	3591739	44.88%	4.533%
16	4.753	459	461	475	rVB	85955	116717	1.46%	0.147%
17	4.849	475	479	488	rVB	1102381	1328453	16.60%	1.677%
18	4.918	488	492	499	rBV	208962	276107	3.45%	0.348%
19	5.116	526	529	536	rVB	84126	122189	1.53%	0.154%
20	5.191	538	543	554	rVB	1998743	2381697	29.76%	3.006%
21	5.266	554	557	562	rVB	83947	95256	1.19%	0.120%
22	5.320	562	567	576	rVB	156744	246547	3.08%	0.311%
23	5.630	620	625	631	rVB3	82391	124149	1.55%	0.157%
24	5.903	669	676	678	rBV	3876582	5035715	62.92%	6.356%
25	5.929	678	681	686	rVV	7617239	8002937	100.00%	10.101%
26	5.978	686	690	698	rVB	703760	868074	10.85%	1.096%
27	6.448	770	778	784	rBV	143036	197508	2.47%	0.249%
28	6.764	831	837	843	rBV	215848	285207	3.56%	0.360%
29	6.844	847	852	856	rVV	250664	353537	4.42%	0.446%
30	6.897	856	862	875	rVB	861288	1145957	14.32%	1.446%
31	7.122	899	904	913	rBV	211084	377178	4.71%	0.476%
32	7.293	929	936	945	rBV	3745807	4879851	60.98%	6.159%
33	7.432	958	962	967	rVB2	166586	214745	2.68%	0.271%
34	7.577	979	989	997	rBV3	52785	138465	1.73%	0.175%

LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13799.D
Acq On : 13 Oct 2009 6:21 pm
Operator : sheilac
Sample : t39513-6
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 17 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 23000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\ej615mg.m
Title :

35	7.801	1025	1031	1036	rBV	148431	229329	2.87%	0.289%
36	7.989	1059	1066	1068	rBV2	53153	84102	1.05%	0.106%
37	8.122	1084	1091	1098	rBV2	177490	289450	3.62%	0.365%
38	8.352	1119	1134	1139	rBV	3239185	5047376	63.07%	6.371%
39	8.411	1139	1145	1153	rVV	3883208	5582628	69.76%	7.046%
40	8.475	1153	1157	1168	rVB	129656	213112	2.66%	0.269%
41	8.625	1178	1185	1193	rVB	222142	360254	4.50%	0.455%
42	8.705	1193	1200	1211	rBV	1010054	1600596	20.00%	2.020%
43	9.326	1307	1316	1328	rVB2	970647	1642193	20.52%	2.073%
44	9.427	1328	1335	1338	rBV3	92227	155978	1.95%	0.197%
45	9.486	1342	1346	1351	rVV4	110290	172622	2.16%	0.218%
46	9.566	1351	1361	1369	rVV5	115045	333592	4.17%	0.421%
47	9.636	1369	1374	1381	rVB3	76401	146535	1.83%	0.185%
48	9.796	1396	1404	1410	rBV	2385103	4026494	50.31%	5.082%
49	9.845	1410	1413	1420	rVV	122487	218472	2.73%	0.276%
50	9.903	1420	1424	1433	rVB	58320	100541	1.26%	0.127%
51	10.021	1438	1446	1459	rBV9	37307	100948	1.26%	0.127%
52	10.149	1463	1470	1476	rVB	162908	252054	3.15%	0.318%
53	10.256	1484	1490	1495	rBV	87113	122813	1.53%	0.155%
54	10.379	1505	1513	1520	rVB8	46455	103325	1.29%	0.130%
55	10.454	1520	1527	1532	rBV3	52501	99360	1.24%	0.125%
56	10.540	1538	1543	1552	rVB6	39669	87065	1.09%	0.110%
57	10.962	1617	1622	1634	rBV	78776	152466	1.91%	0.192%
58	11.128	1643	1653	1658	rBV2	2542352	4593312	57.40%	5.798%
59	11.171	1658	1661	1670	rVV2	617812	1008874	12.61%	1.273%
60	11.246	1670	1675	1690	rVB4	82194	223222	2.79%	0.282%
61	11.652	1743	1751	1756	rBV	454906	853047	10.66%	1.077%
62	11.695	1756	1759	1767	rVV	135765	253559	3.17%	0.320%
63	11.786	1770	1776	1782	rVV2	84758	183574	2.29%	0.232%
64	11.840	1782	1786	1796	rVV	70886	175169	2.19%	0.221%
65	11.925	1796	1802	1824	rVB	160642	431322	5.39%	0.544%
66	12.268	1852	1866	1873	rBV4	135811	411647	5.14%	0.520%
67	12.369	1879	1885	1890	rBV4	67110	119850	1.50%	0.151%
68	12.423	1890	1895	1904	rVB4	42015	84288	1.05%	0.106%
69	12.647	1931	1937	1944	rBV5	56058	130603	1.63%	0.165%
70	13.439	2080	2085	2093	rVB3	108514	182105	2.28%	0.230%
71	13.621	2112	2119	2133	rBV2	97998	250408	3.13%	0.316%

LSC Area Percent Report

```
Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13799.D
Acq On    : 13 Oct 2009   6:21 pm
Operator  : sheilac
Sample    : t39513-6
Misc      : op13230,Ej633,1000,,,1,1,water
ALS Vial  : 17   Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON                          Filtering: 5
Sampling  : 1                            Min Area: 23000 Area counts
Start Thrs: 0.2                         Max Peaks: 100
Stop Thrs : 0                       Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method    : C:\msdchem\1\METHODS\ej615mg.m
Title     :
```

72	14.075	2194	2204	2212	rBV	74110	144581	1.81%	0.182%
73	14.498	2266	2283	2294	rBV2	2767728	4828949	60.34%	6.095%
74	16.648	2674	2685	2707	rBV	1944695	3795195	47.42%	4.790%
75	19.451	3199	3209	3226	rBV	1135842	2521843	31.51%	3.183%

Sum of corrected areas: 79227942

8.1.14

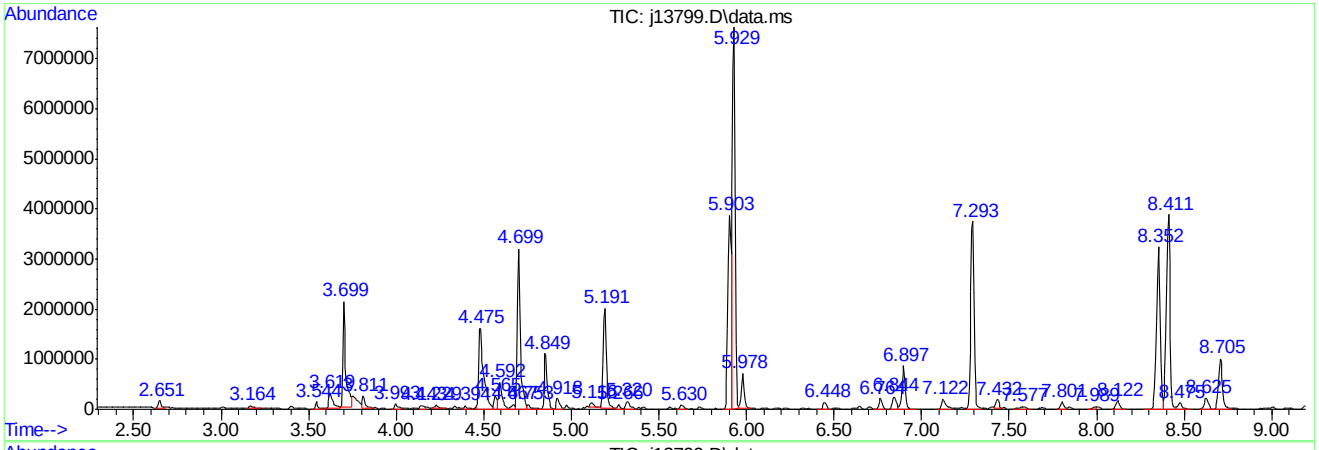
8

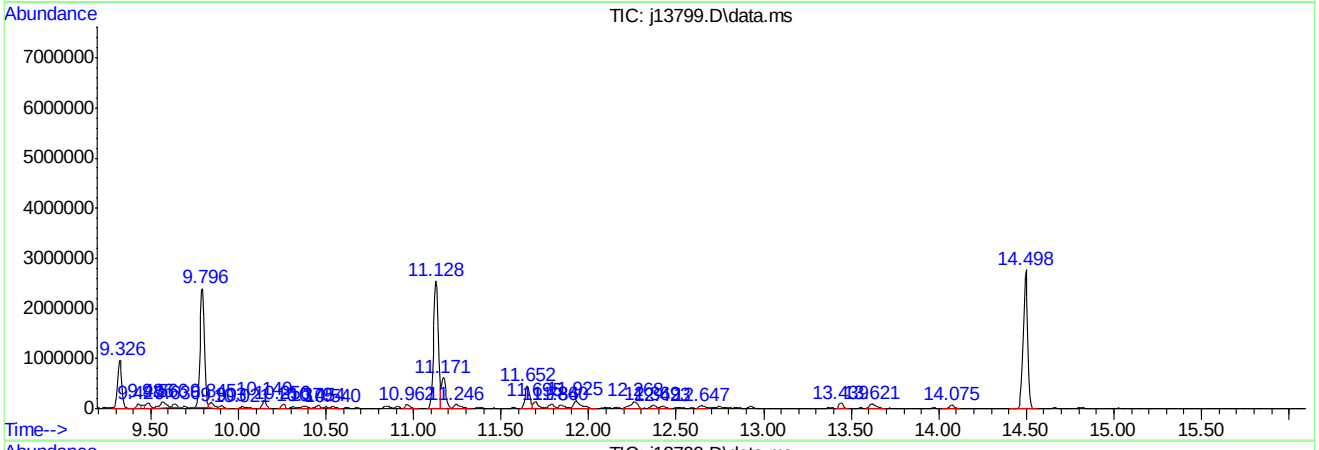
LSC Report - Integrated Chromatogram

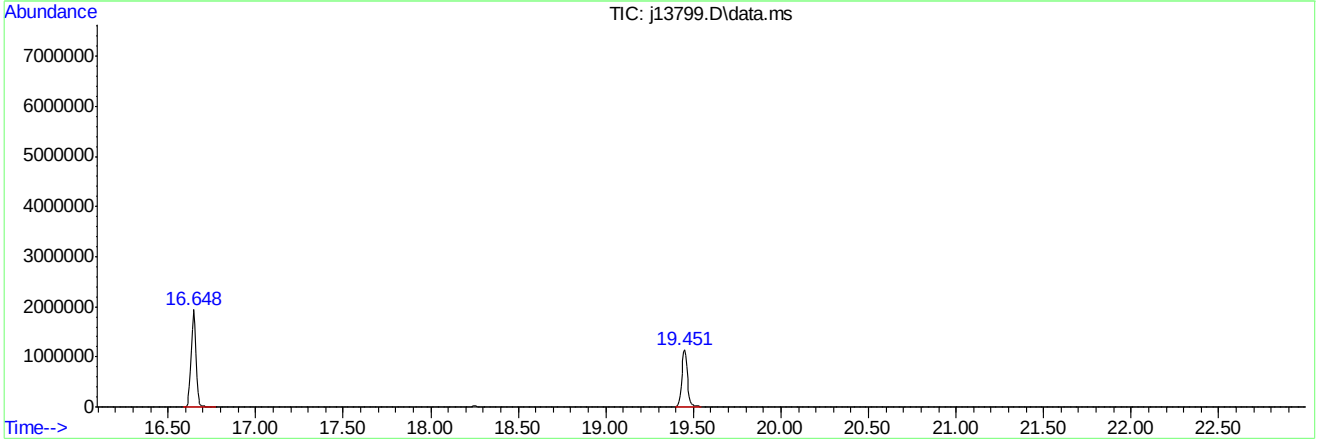
```
Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13799.D
Acq On    : 13 Oct 2009   6:21 pm
Operator  : sheilac
Sample    : t39513-6
Misc      : op13230,Ej633,1000,,,1,1,water
ALS Vial  : 17   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
```







Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13799.D
Acq On : 13 Oct 2009 6:21 pm
Operator : sheilac
Sample : t39513-6
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 17 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

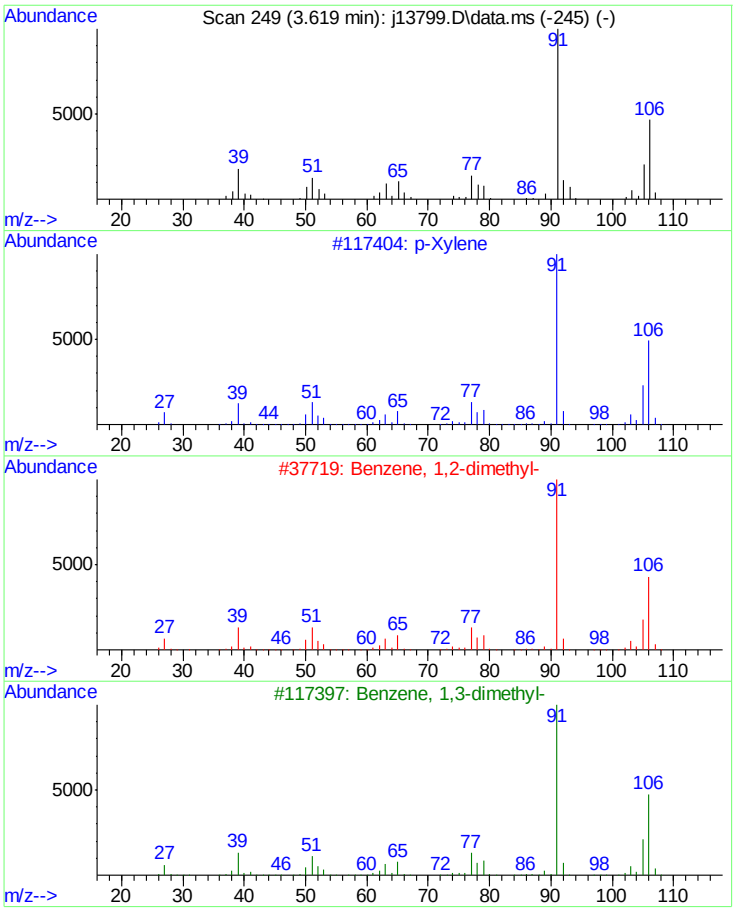
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

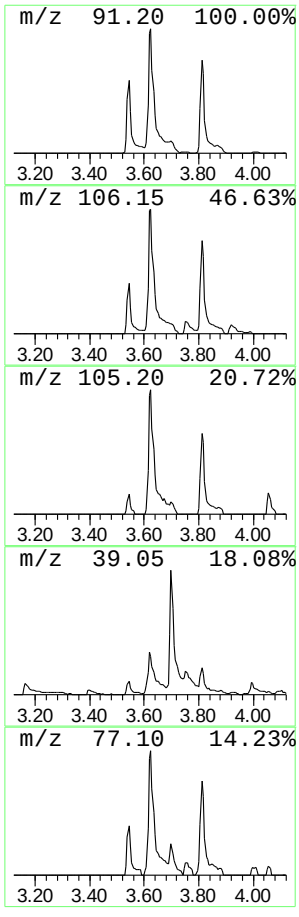
****

Peak Number 1 p-Xylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.619	6.11 ug/ml	548717	1,4-Dichlorobenzene-d4	4.699

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Xylene	106	C8H10	000106-42-3	97
2	Benzene, 1,2-dimethyl-	106	C8H10	000095-47-6	97
3	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
4	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
5	p-Xylene	106	C8H10	000106-42-3	95





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13799.D
Acq On : 13 Oct 2009 6:21 pm
Operator : sheilac
Sample : t39513-6
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 17 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

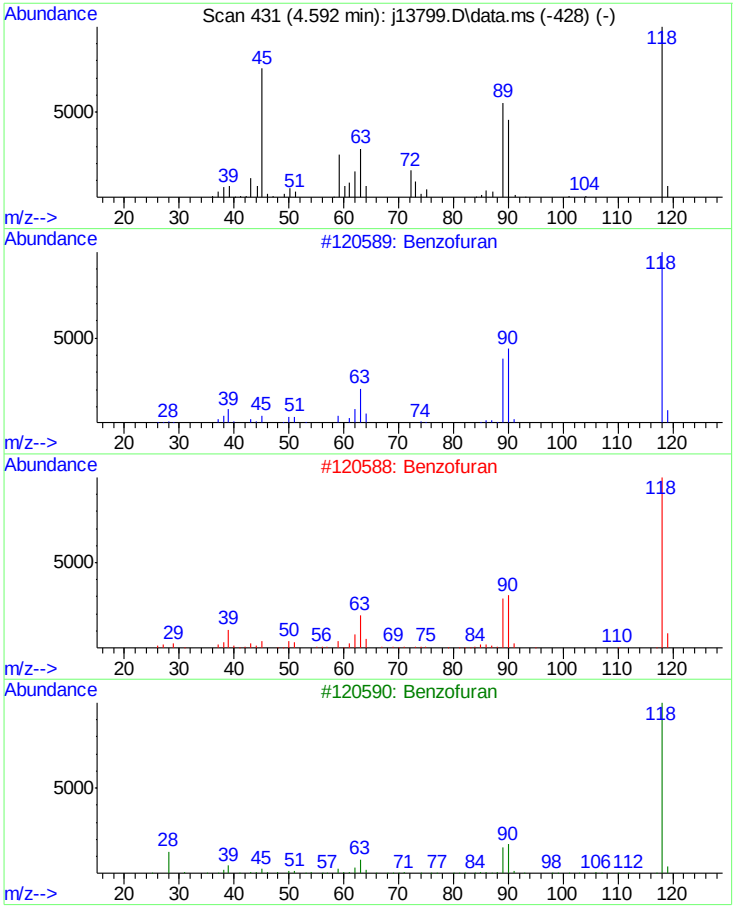
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

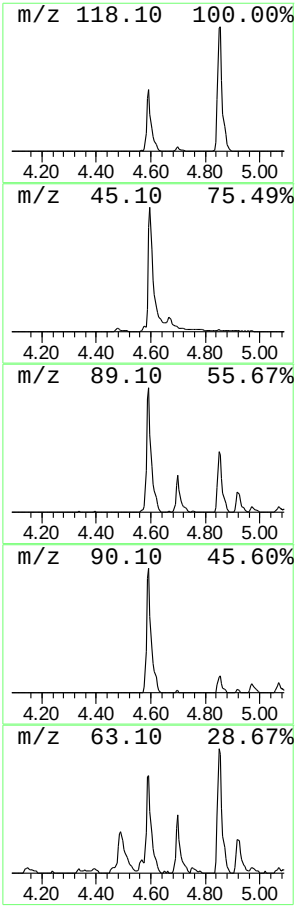
****

Peak Number 2 Benzofuran Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.592	8.25 ug/ml	741134	1,4-Dichlorobenzene-d4	4.699

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran	118	C8H6O	000271-89-6	64
2	Benzofuran	118	C8H6O	000271-89-6	49
3	Benzofuran	118	C8H6O	000271-89-6	47
4	3-Hydroxyphenylacetylene	118	C8H6O	010401-11-3	43
5	1H-Indazole	118	C7H6N2	000271-44-3	35





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13799.D
Acq On : 13 Oct 2009 6:21 pm
Operator : sheilac
Sample : t39513-6
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 17 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

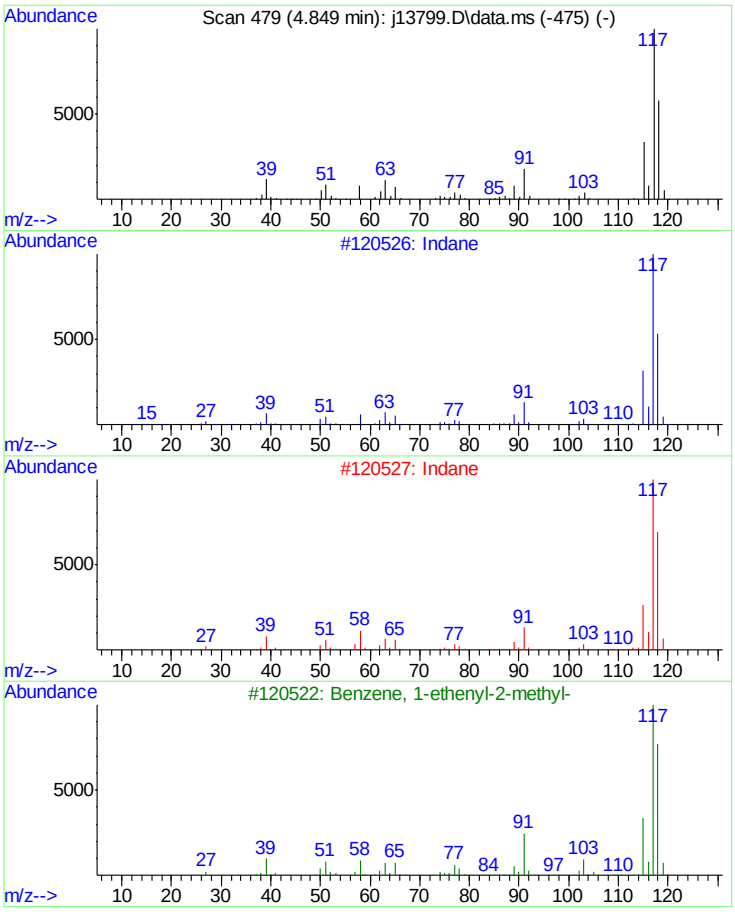
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

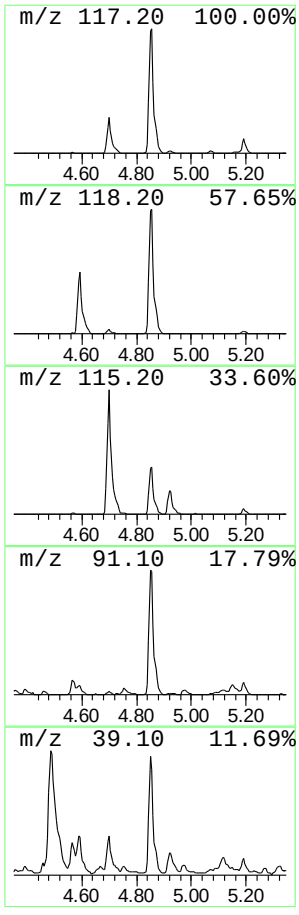
****

Peak Number 3 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.849	14.79 ug/ml	1328450	1,4-Dichlorobenzene-d4	4.699

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	91
2	Indane	118	C9H10	000496-11-7	81
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	76
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	74
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	74





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13799.D
Acq On : 13 Oct 2009 6:21 pm
Operator : sheilac
Sample : t39513-6
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 17 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
p-Xylene	3.619	6.1	ug/ml	548717	1	4.699	3591740	40.0
Benzofuran	4.592	8.3	ug/ml	741134	1	4.699	3591740	40.0
Indane	4.849	14.8	ug/ml	1328450	1	4.699	3591740	40.0

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13801.D
Acq On : 13 Oct 2009 7:20 pm
Operator : sheilac
Sample : t39513-7,40x
Misc : op13230,Ej633,970,,,1,40,water
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 14 11:23:58 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Tue Oct 13 13:17:41 2009
Response via : Initial Calibration

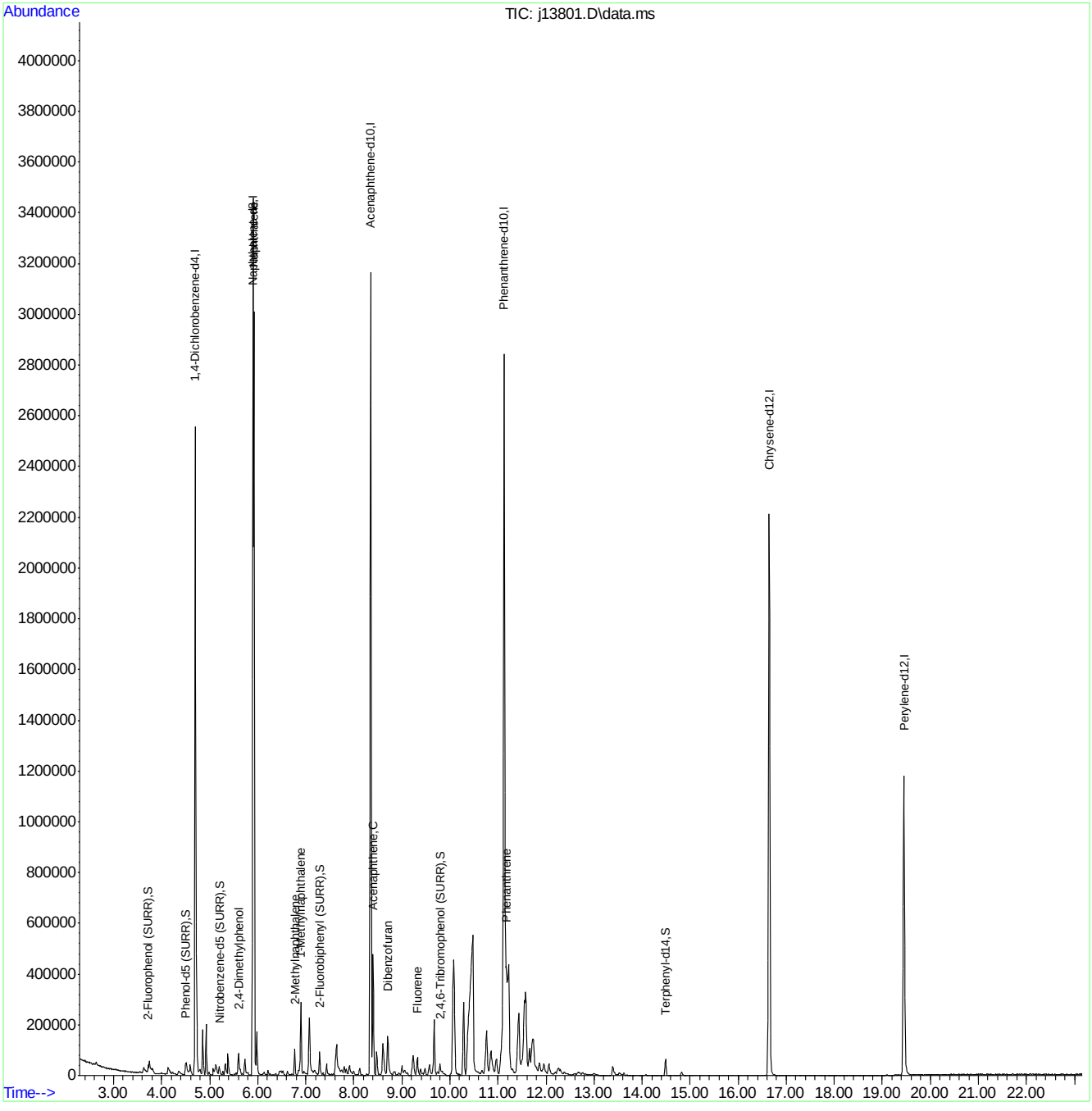
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.699	152	480717	40.00	ug/ml	-0.03
20) Naphthalene-d8	5.903	136	1743060	40.00	ug/ml	-0.04
36) Acenaphthene-d10	8.352	164	1015939	40.00	ug/ml	-0.06
57) Phenanthrene-d10	11.128	188	1579610	40.00	ug/ml	-0.07
71) Chrysene-d12	16.648	240	1576324	40.00	ug/ml	-0.09
80) Perylene-d12	19.451	264	904989	40.00	ug/ml	-0.07
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.720	112	19709	1.31	ug/ml	0.04
Spiked Amount 100.000	Range 10 - 66		Recovery	=	1.31%#	
5) Phenol-d5 (SURR)	4.501	99	18422	0.98	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 53		Recovery	=	0.98%#	
21) Nitrobenzene-d5 (SURR)	5.202	82	16357	0.89	ug/ml	-0.10
Spiked Amount 50.000	Range 29 - 115		Recovery	=	1.78%#	
40) 2-Fluorobiphenyl (SURR)	7.288	172	36415	0.92	ug/ml	-0.26
Spiked Amount 50.000	Range 34 - 113		Recovery	=	1.84%#	
62) 2,4,6-Tribromophenol (...	9.791	330	8220	1.55	ug/ml	-0.17
Spiked Amount 100.000	Range 32 - 128		Recovery	=	1.55%#	
74) Terphenyl-d14	14.487	244	39264	1.04	ug/ml	-0.11
Spiked Amount 50.000	Range 12 - 145		Recovery	=	2.08%#	
Target Compounds						Qvalue
25) 2,4-Dimethylphenol	5.603	122	24964	1.83	ug/ml	94
30) Naphthalene	5.924	128	1464088	30.84	ug/ml	100
34) 2-Methylnaphthalene	6.769	142	38897	1.34	ug/ml	98
35) 1-Methylnaphthalene	6.897	142	100271	3.30	ug/ml	98
47) Acenaphthene	8.400	154	157640	5.58	ug/ml	99
50) Dibenzofuran	8.705	168	53577	1.33	ug/ml	92
54) Fluorene	9.326	166	33767	0.96	ug/ml	98
66) Phenanthrene	11.171	178	69868	1.48	ug/ml	97

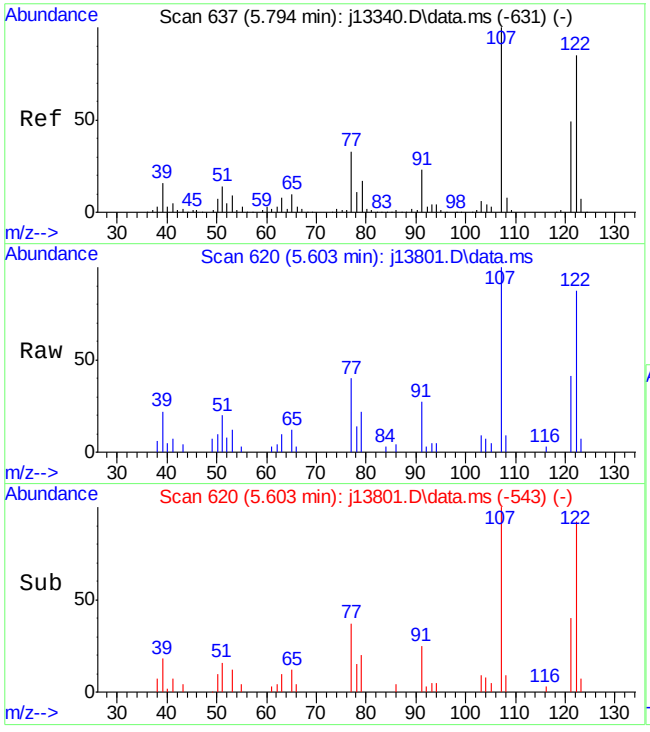
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13801.D
Acq On : 13 Oct 2009 7:20 pm
Operator : sheilac
Sample : t39513-7,40x
Misc : op13230,Ej633,970,,,1,40,water
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 14 11:23:58 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Tue Oct 13 13:17:41 2009
Response via : Initial Calibration

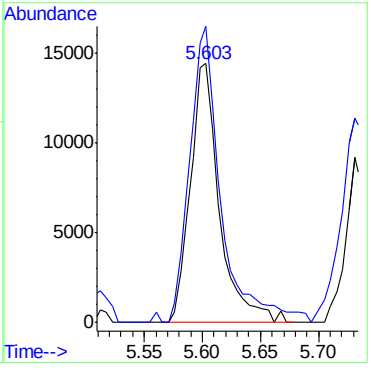


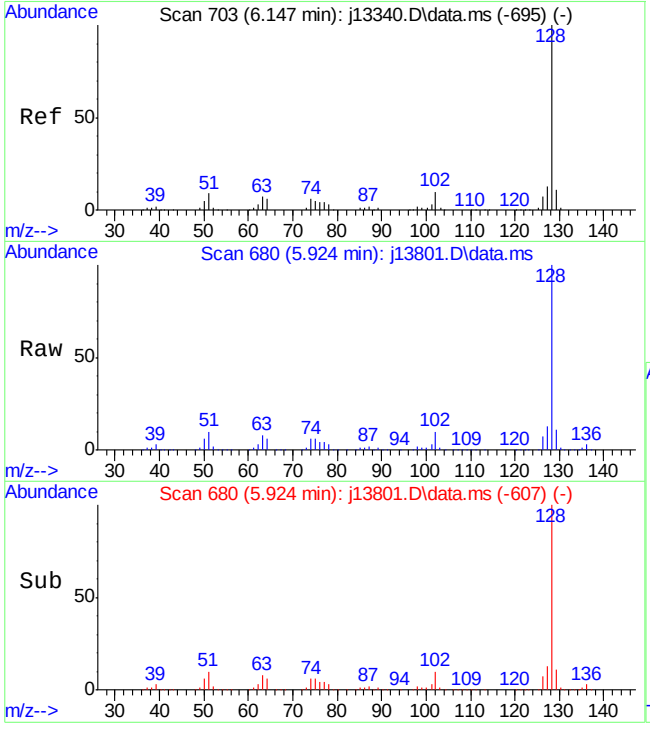


#25
2,4-Dimethylphenol
Concen: 1.83 ug/ml
RT: 5.603 min Scan# 620
Delta R.T. -0.090 min
Lab File: j13801.D
Acq: 13 Oct 2009 7:20 pm

Tgt Ion:122 Resp: 24964

Ion	Ratio	Lower	Upper
122	100		
107	122.9	96.7	136.7

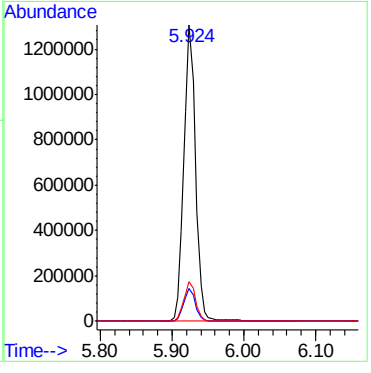


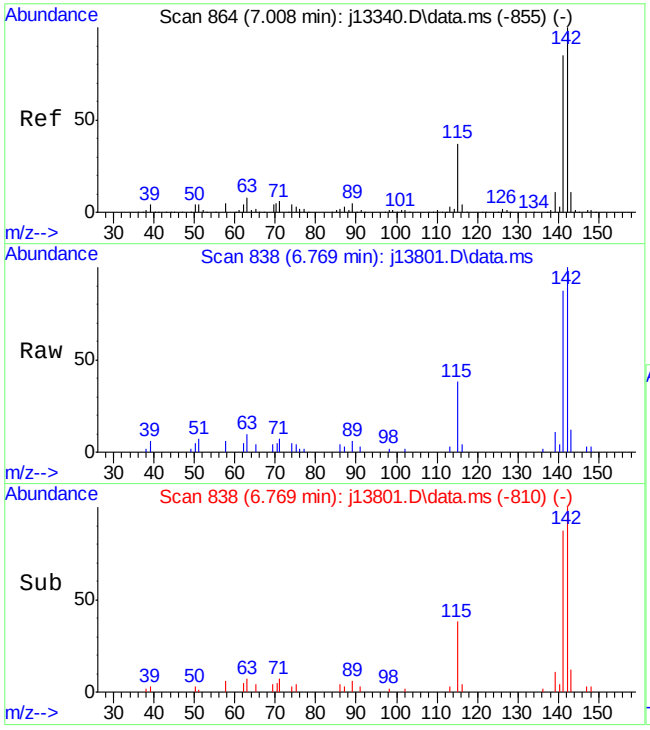


#30
Naphthalene
Concen: 30.84 ug/ml
RT: 5.924 min Scan# 680
Delta R.T. -0.111 min
Lab File: j13801.D
Acq: 13 Oct 2009 7:20 pm

Tgt Ion:128 Resp: 1464088

Ion	Ratio	Lower	Upper
128	100		
129	10.8	0.0	30.9
127	13.2	0.0	33.4

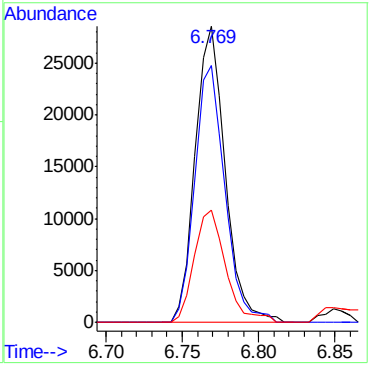


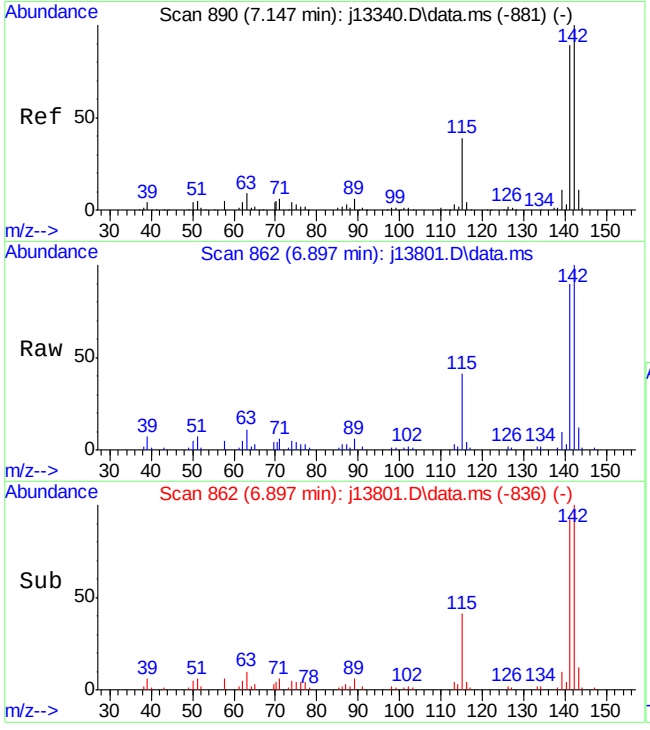


#34
2-Methylnaphthalene
Concen: 1.34 ug/ml
RT: 6.769 min Scan# 838
Delta R.T. -0.048 min
Lab File: j13801.D
Acq: 13 Oct 2009 7:20 pm

Tgt Ion:142 Resp: 38897

Ion	Ratio	Lower	Upper
142	100		
141	87.1	66.2	106.2
115	39.6	17.8	57.8

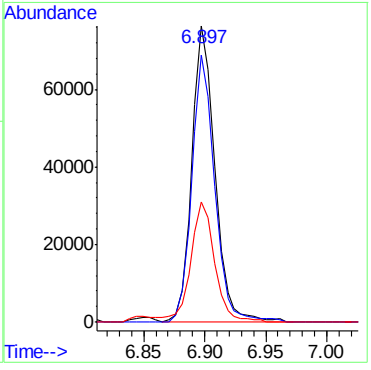


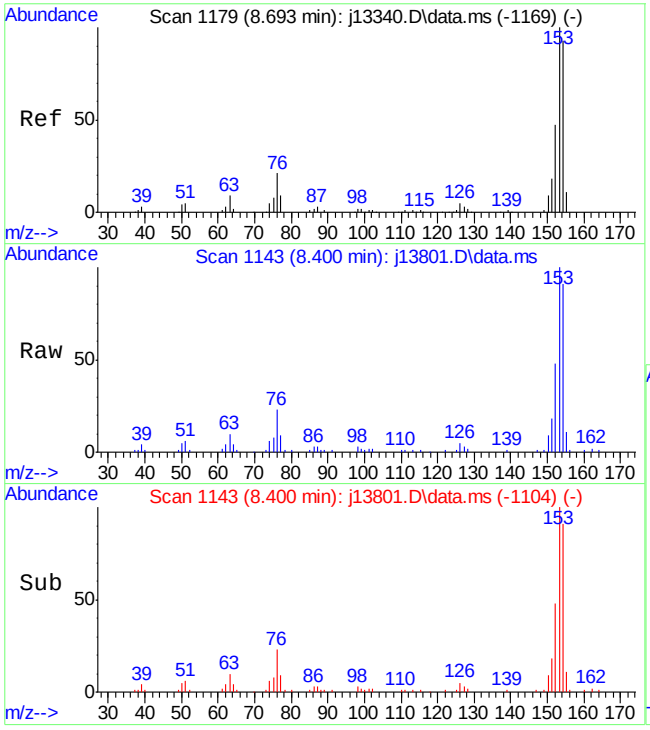


#35
1-Methylnaphthalene
Concen: 3.30 ug/ml
RT: 6.897 min Scan# 862
Delta R.T. -0.059 min
Lab File: j13801.D
Acq: 13 Oct 2009 7:20 pm

Tgt Ion:142 Resp: 100271

Ion	Ratio	Lower	Upper
142	100		
141	89.4	69.4	109.4
115	42.5	18.9	58.9

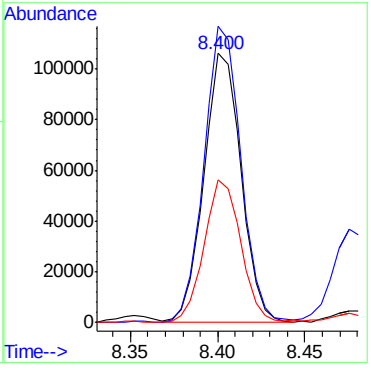


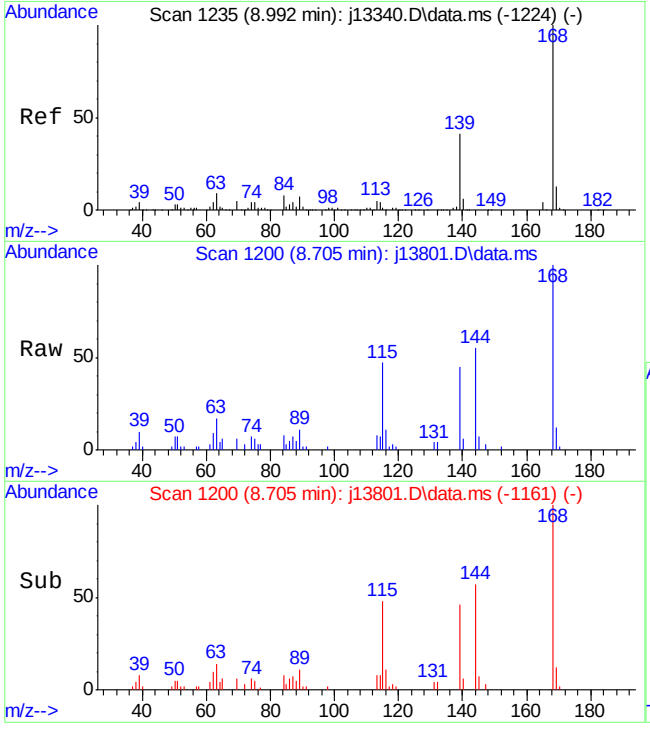


#47
Acenaphthene
Concen: 5.58 ug/ml
RT: 8.400 min Scan# 1143
Delta R.T. -0.293 min
Lab File: j13801.D
Acq: 13 Oct 2009 7:20 pm

Tgt Ion:154 Resp: 157640

Ion	Ratio	Lower	Upper
154	100		
153	108.9	87.9	127.9
152	52.0	31.3	71.3

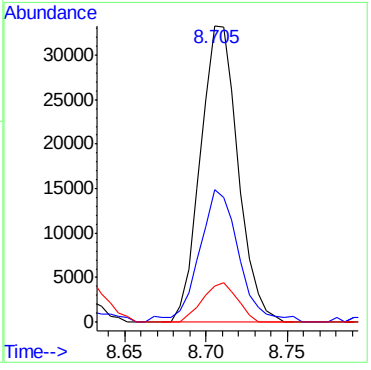


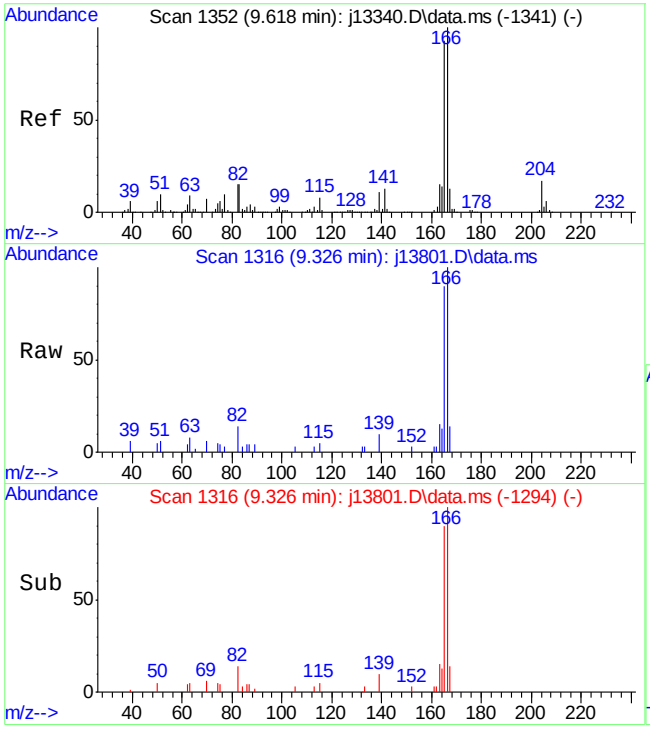


#50
Dibenzofuran
Concen: 1.33 ug/ml
RT: 8.705 min Scan# 1200
Delta R.T. -0.293 min
Lab File: j13801.D
Acq: 13 Oct 2009 7:20 pm

Tgt Ion:168 Resp: 53577

Ion	Ratio	Lower	Upper
168	100		
139	47.0	21.2	61.2
169	12.1	0.0	33.2

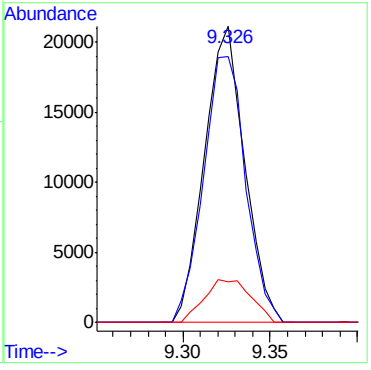


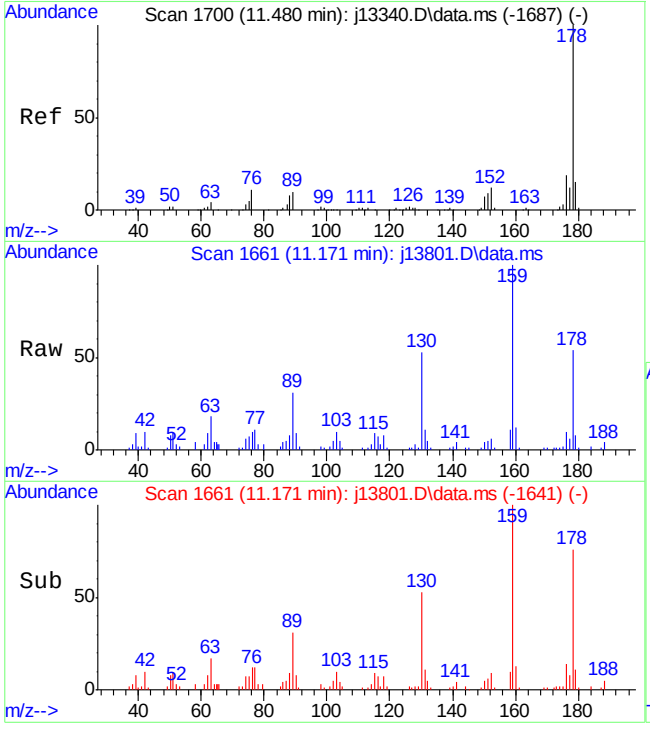


#54
Fluorene
Concen: 0.96 ug/ml
RT: 9.326 min Scan# 1316
Delta R.T. -0.080 min
Lab File: j13801.D
Acq: 13 Oct 2009 7:20 pm

Tgt Ion:166 Resp: 33767

Ion	Ratio	Lower	Upper
166	100		
165	94.4	73.8	113.8
167	16.6	0.0	33.3

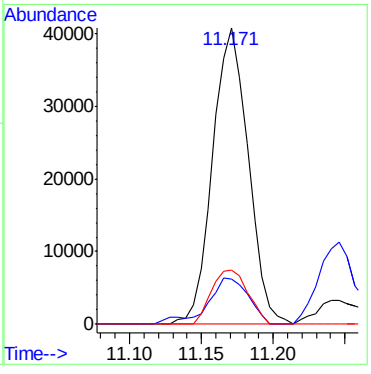




#66
Phenanthrene
Concen: 1.48 ug/ml
RT: 11.171 min Scan# 1661
Delta R.T. -0.091 min
Lab File: j13801.D
Acq: 13 Oct 2009 7:20 pm

Tgt Ion:178 Resp: 69868

Ion	Ratio	Lower	Upper
178	100		
179	17.7	0.0	35.2
176	18.7	0.0	39.2



Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13807.D
Acq On : 13 Oct 2009 10:17 pm
Operator : sheilac
Sample : t39513-7,4x
Misc : op13230,Ej633,970,,,1,4,water
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 14 12:19:26 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Oct 14 12:10:44 2009
Response via : Initial Calibration

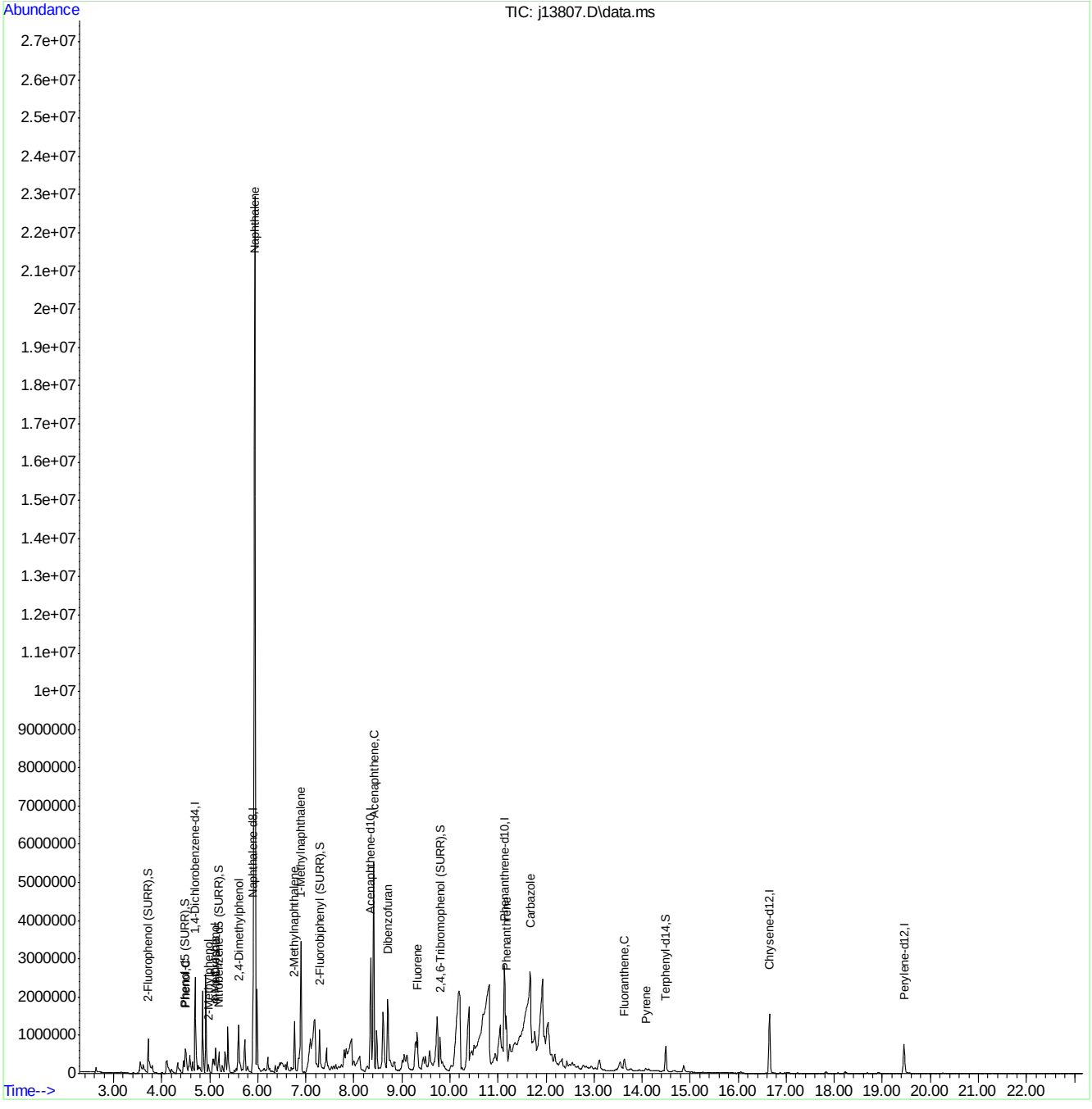
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.699	152	477673	40.00	ug/ml	-0.03
20) Naphthalene-d8	5.908	136	1872718	40.00	ug/ml	0.00
36) Acenaphthene-d10	8.352	164	1027226	40.00	ug/ml	-0.06
57) Phenanthrene-d10	11.134	188	1486616	40.00	ug/ml	-0.07
71) Chrysene-d12	16.653	240	1050089	40.00	ug/ml	-0.08
80) Perylene-d12	19.451	264	600868	40.00	ug/ml	-0.07
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.715	112	237358	15.83	ug/ml	0.04
Spiked Amount 100.000	Range 10 - 66		Recovery = 15.83%			
5) Phenol-d5 (SURR)	4.491	99	224930	12.01	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 53		Recovery = 12.01%			
21) Nitrobenzene-d5 (SURR)	5.191	82	199421	10.15	ug/ml	-0.11
Spiked Amount 50.000	Range 29 - 115		Recovery = 20.30%#			
40) 2-Fluorobiphenyl (SURR)	7.288	172	400599	10.01	ug/ml	-0.26
Spiked Amount 50.000	Range 34 - 113		Recovery = 20.02%#			
62) 2,4,6-Tribromophenol (...	9.796	330	105522	21.10	ug/ml	-0.17
Spiked Amount 100.000	Range 32 - 128		Recovery = 21.10%#			
74) Terphenyl-d14	14.492	244	327862	13.08	ug/ml	-0.10
Spiked Amount 50.000	Range 12 - 145		Recovery = 26.16%			
Target Compounds						Qvalue
6) Phenol	4.507	94	169678	8.37	ug/ml#	79
14) 2-Methylphenol	4.972	108	47708	3.36	ug/ml	92
16) 4-Methylphenol	5.122	108	136509	9.08	ug/ml	97
17) m+p-Cresols	5.122	108	136509	9.08	ug/ml	97
25) 2,4-Dimethylphenol	5.603	122	306972	20.93	ug/ml	99
30) Naphthalene	5.935	128	15904891	311.82	ug/ml	97
34) 2-Methylnaphthalene	6.764	142	443637	14.24	ug/ml	99
35) 1-Methylnaphthalene	6.897	142	1142374	35.00	ug/ml	98
47) Acenaphthene	8.416	154	1875860	65.63	ug/ml	99
50) Dibenzofuran	8.711	168	594110	14.55	ug/ml	98
54) Fluorene	9.326	166	376840	10.59	ug/ml	97
66) Phenanthrene	11.176	178	685082	15.47	ug/ml	98
68) Carbazole	11.674	167	273196	7.96	ug/ml	97
70) Fluoranthene	13.621	202	59702	1.49	ug/ml	96
73) Pyrene	14.081	202	38970	1.05	ug/ml#	73

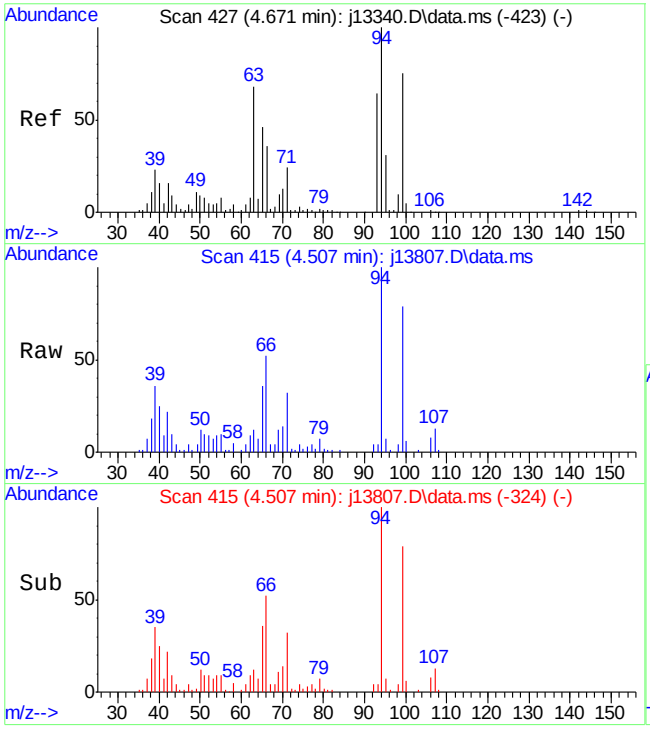
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13807.D
Acq On : 13 Oct 2009 10:17 pm
Operator : sheilac
Sample : t39513-7,4x
Misc : op13230,Ej633,970,,,1,4,water
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 14 12:19:26 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Oct 14 12:10:44 2009
Response via : Initial Calibration

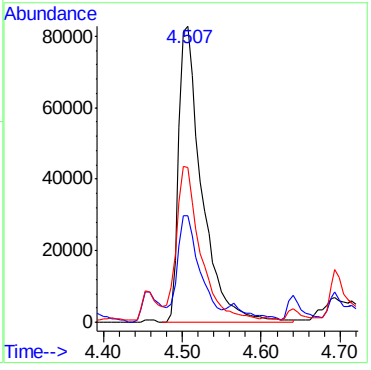


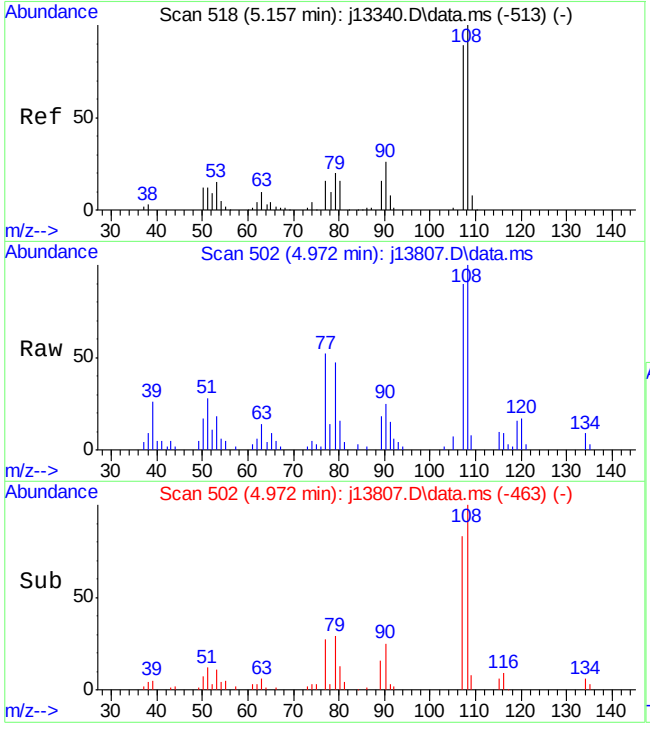


#6
Phenol
Concen: 8.37 ug/ml
RT: 4.507 min Scan# 415
Delta R.T. -0.012 min
Lab File: j13807.D
Acq: 13 Oct 2009 10:17 pm

Tgt Ion: 94 Resp: 169678

Ion	Ratio	Lower	Upper
94	100		
65	27.4	35.3	75.3#
66	53.9	37.4	77.4

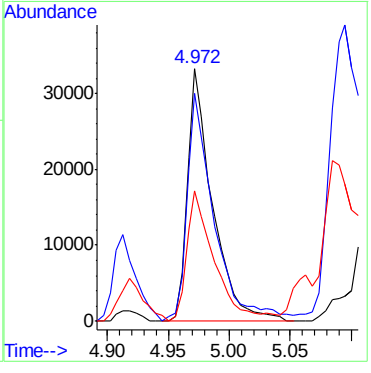


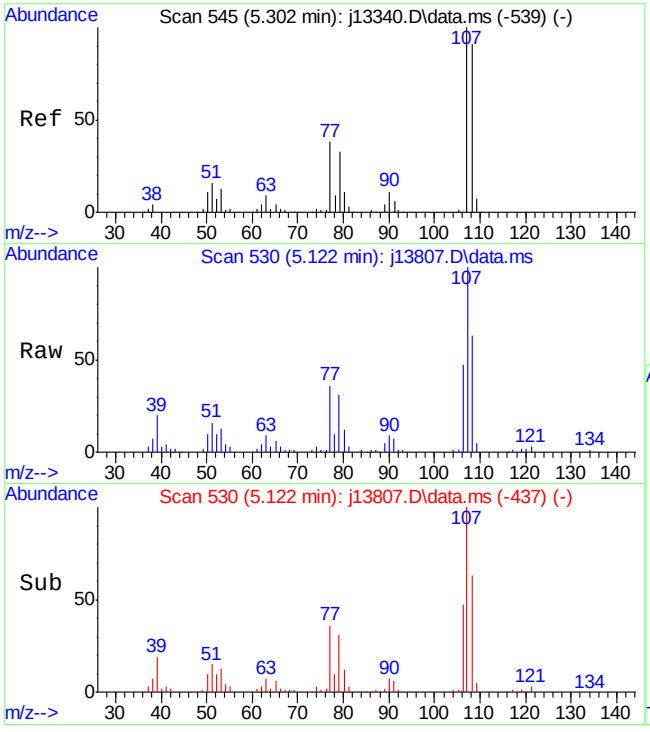


#14
2-Methylphenol
Concen: 3.36 ug/ml
RT: 4.972 min Scan# 502
Delta R.T. 0.011 min
Lab File: j13807.D
Acq: 13 Oct 2009 10:17 pm

Tgt Ion:108 Resp: 47708

Ion	Ratio	Lower	Upper
108	100		
107	97.2	68.3	108.3
77	55.4	30.8	70.8

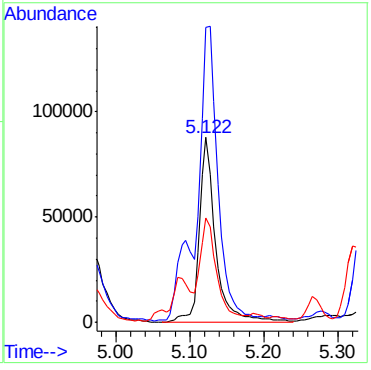


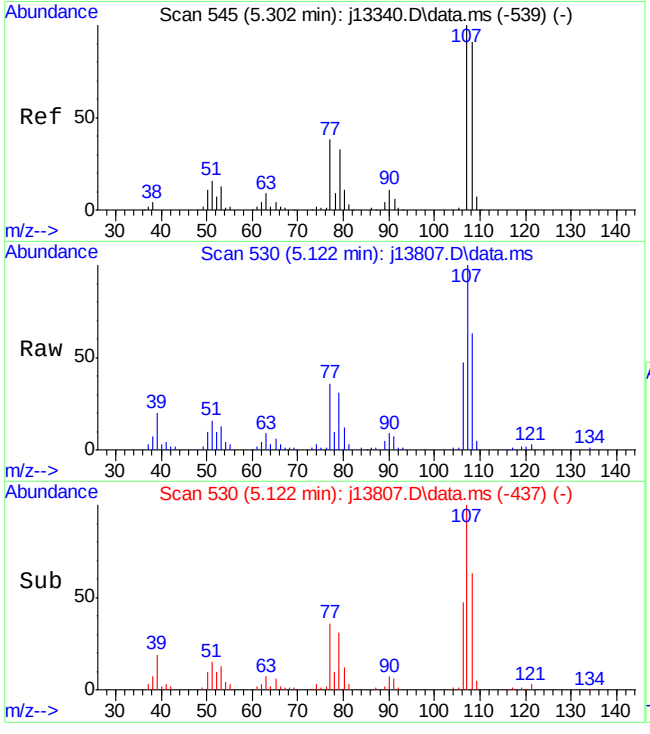


#16
4-Methylphenol
Concen: 9.08 ug/ml
RT: 5.122 min Scan# 530
Delta R.T. 0.000 min
Lab File: j13807.D
Acq: 13 Oct 2009 10:17 pm

Tgt Ion:108 Resp: 136509

Ion	Ratio	Lower	Upper
108	100		
107	158.8	139.5	179.5
77	50.2	36.8	76.8

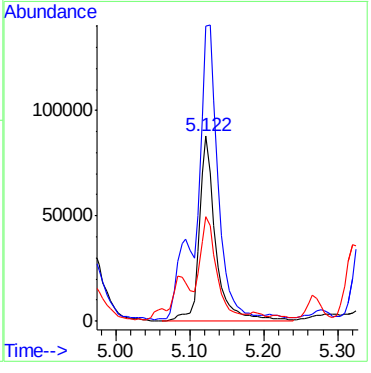


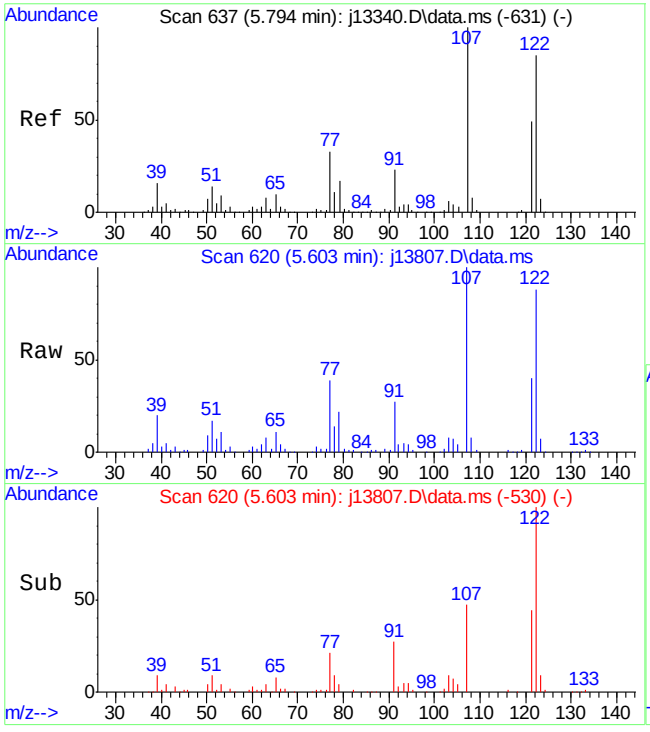


#17
m+p-Cresols
Concen: 9.08 ug/ml
RT: 5.122 min Scan# 530
Delta R.T. 0.000 min
Lab File: j13807.D
Acq: 13 Oct 2009 10:17 pm

Tgt Ion:108 Resp: 136509

Ion	Ratio	Lower	Upper
108	100		
107	158.8	139.5	179.5
77	50.2	36.8	76.8

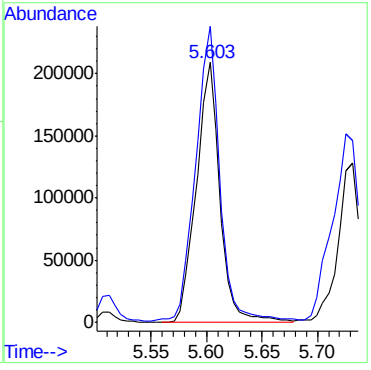


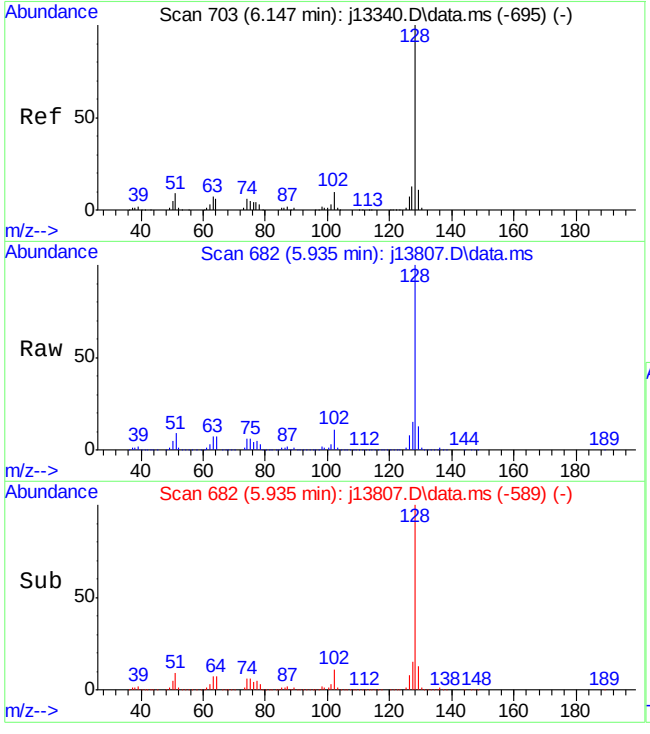


#25
2,4-Dimethylphenol
Concen: 20.93 ug/ml
RT: 5.603 min Scan# 620
Delta R.T. -0.016 min
Lab File: j13807.D
Acq: 13 Oct 2009 10:17 pm

Tgt Ion:122 Resp: 306972

Ion	Ratio	Lower	Upper
122	100		
107	117.3	96.3	136.3

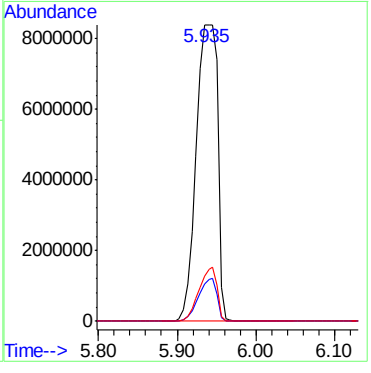


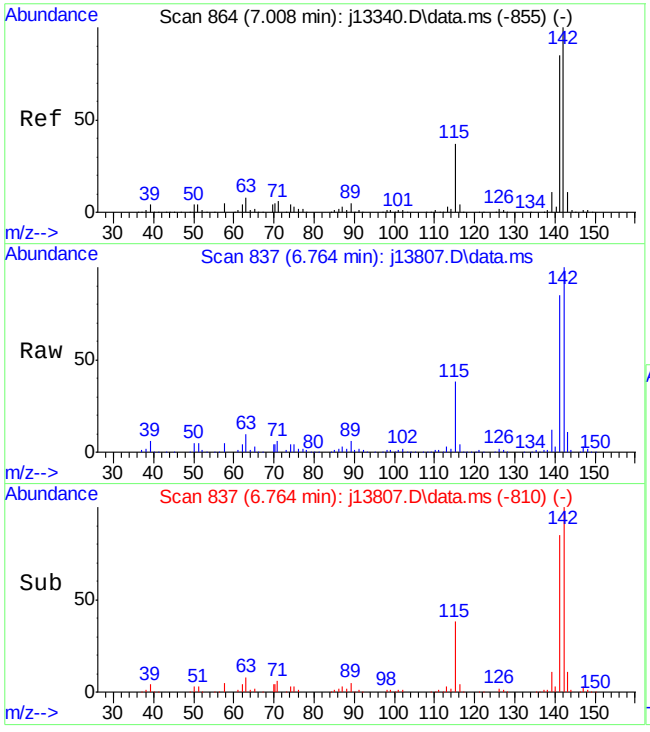


#30
Naphthalene
Concen: 311.82 ug/ml
RT: 5.935 min Scan# 682
Delta R.T. -0.000 min
Lab File: j13807.D
Acq: 13 Oct 2009 10:17 pm

Tgt Ion:128 Resp:15904891

Ion	Ratio	Lower	Upper
128	100		
129	12.3	0.0	31.2
127	15.3	0.0	33.8

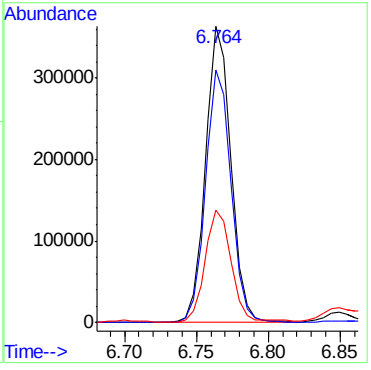


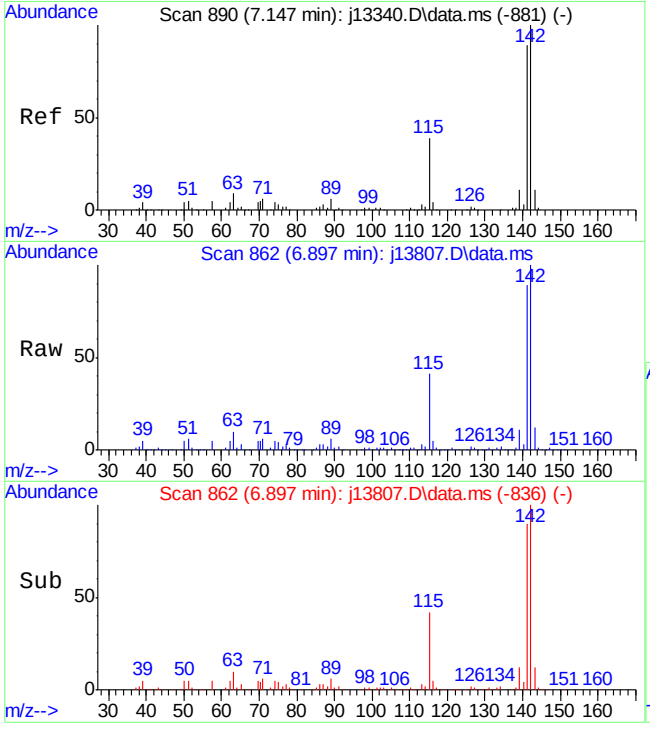


#34
2-Methylnaphthalene
Concen: 14.24 ug/ml
RT: 6.764 min Scan# 837
Delta R.T. -0.053 min
Lab File: j13807.D
Acq: 13 Oct 2009 10:17 pm

Tgt Ion:142 Resp: 443637

Ion	Ratio	Lower	Upper
142	100		
141	85.9	66.2	106.2
115	38.6	17.8	57.8

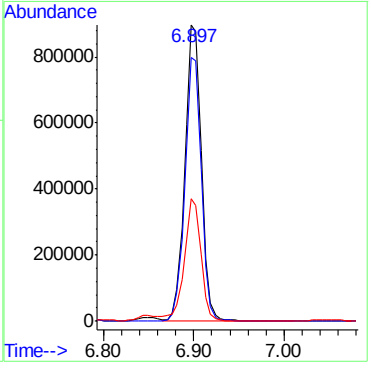


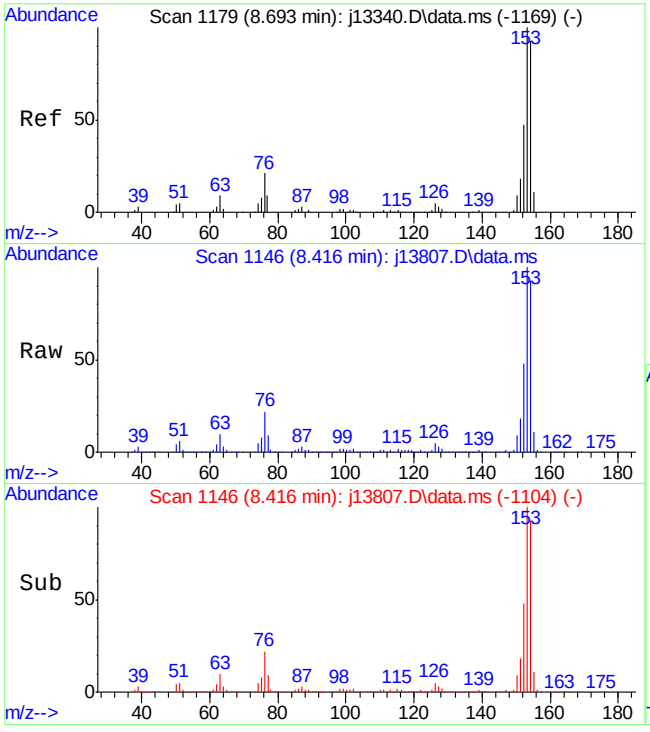


#35
1-Methylnaphthalene
Concen: 35.00 ug/ml
RT: 6.897 min Scan# 862
Delta R.T. -0.059 min
Lab File: j13807.D
Acq: 13 Oct 2009 10:17 pm

Tgt Ion:142 Resp: 1142374

Ion	Ratio	Lower	Upper
142	100		
141	88.8	69.4	109.4
115	41.7	18.9	58.9

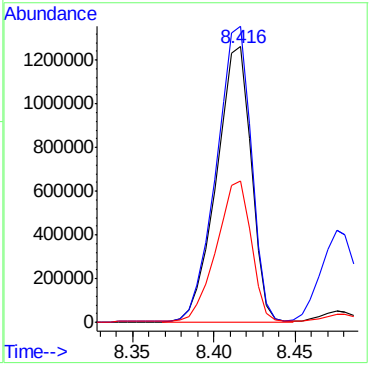


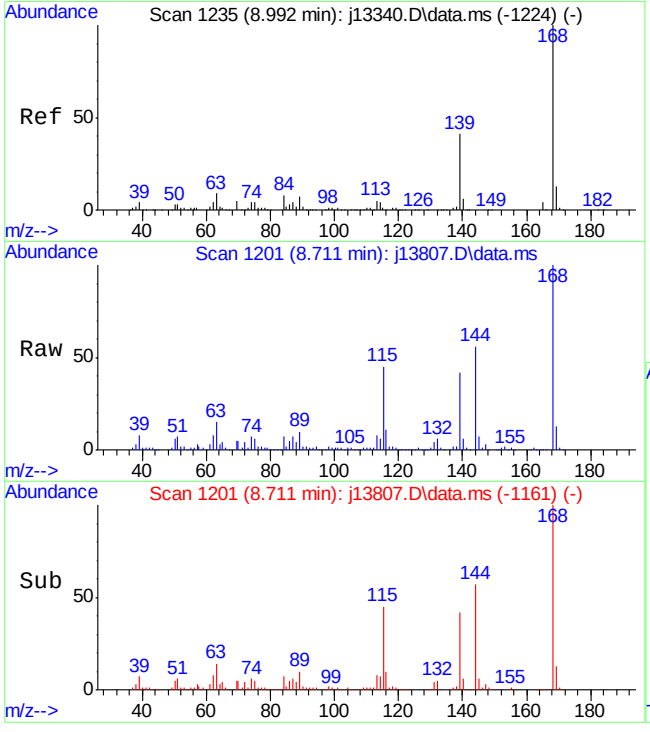


#47
Acenaphthene
Concen: 65.63 ug/ml
RT: 8.416 min Scan# 1146
Delta R.T. -0.277 min
Lab File: j13807.D
Acq: 13 Oct 2009 10:17 pm

Tgt Ion:154 Resp: 1875860

Ion	Ratio	Lower	Upper
154	100		
153	107.5	87.9	127.9
152	50.6	31.3	71.3

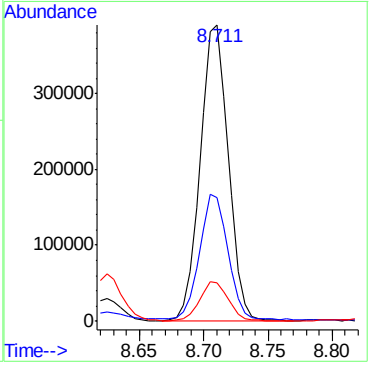


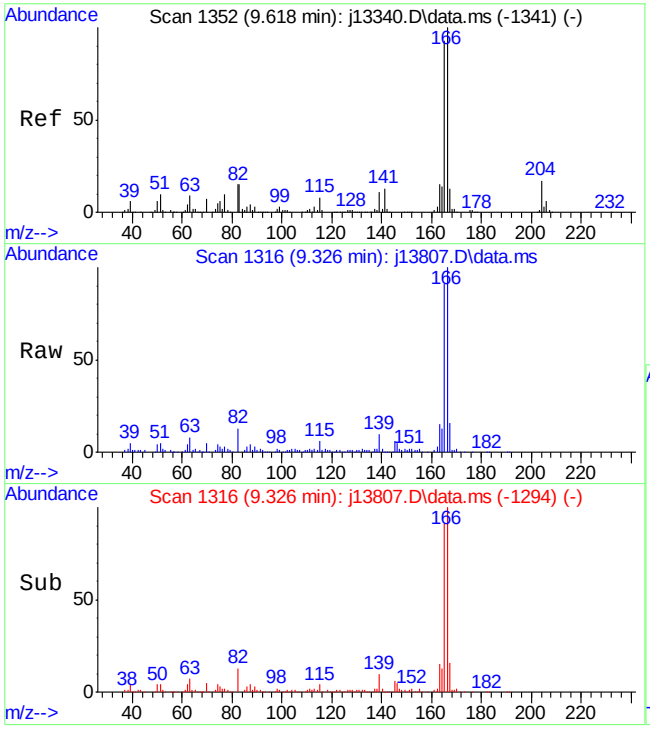


#50
Dibenzofuran
Concen: 14.55 ug/ml
RT: 8.711 min Scan# 1201
Delta R.T. -0.287 min
Lab File: j13807.D
Acq: 13 Oct 2009 10:17 pm

Tgt Ion:168 Resp: 594110

Ion	Ratio	Lower	Upper
168	100		
139	42.3	21.2	61.2
169	13.5	0.0	33.2

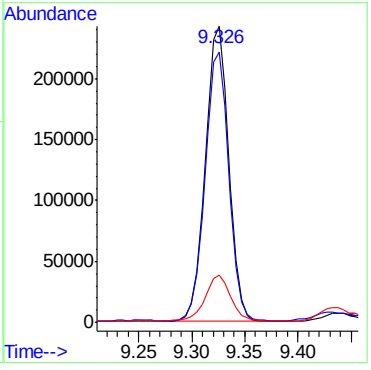


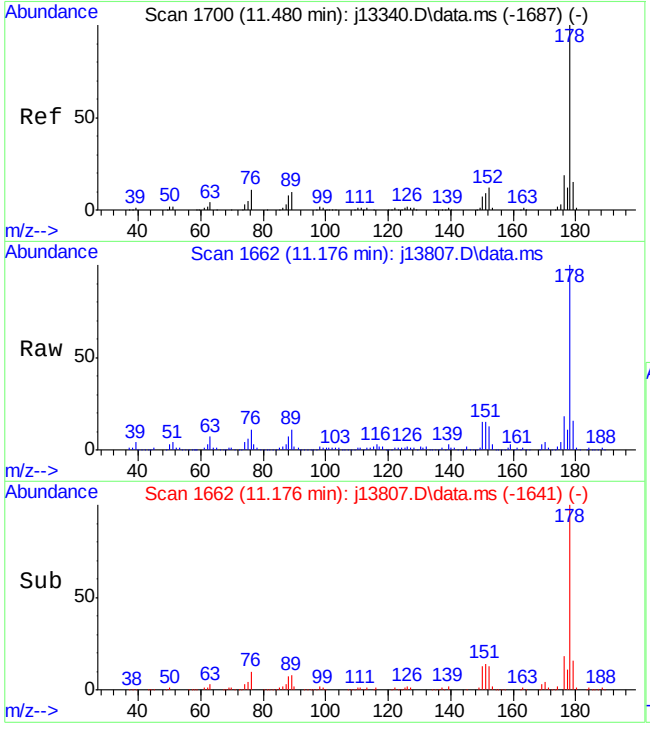


#54
Fluorene
Concen: 10.59 ug/ml
RT: 9.326 min Scan# 1316
Delta R.T. -0.080 min
Lab File: j13807.D
Acq: 13 Oct 2009 10:17 pm

Tgt Ion:166 Resp: 376840

Ion	Ratio	Lower	Upper
166	100		
165	91.5	73.8	113.8
167	16.8	0.0	33.3

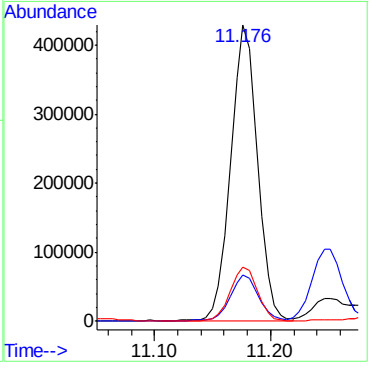


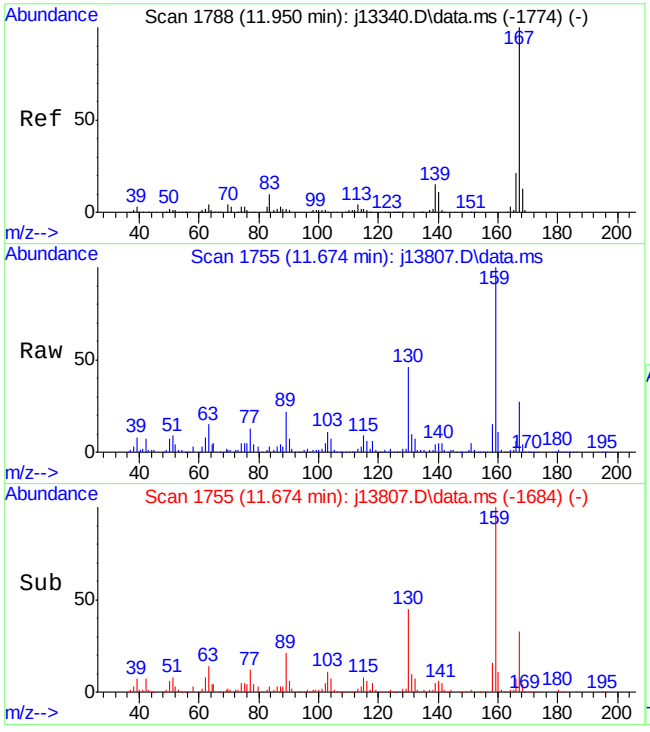


#66
Phenanthrene
Concen: 15.47 ug/ml
RT: 11.176 min Scan# 1662
Delta R.T. -0.085 min
Lab File: j13807.D
Acq: 13 Oct 2009 10:17 pm

Tgt Ion:178 Resp: 685082

Ion	Ratio	Lower	Upper
178	100		
179	16.6	0.0	35.2
176	18.9	0.0	39.2

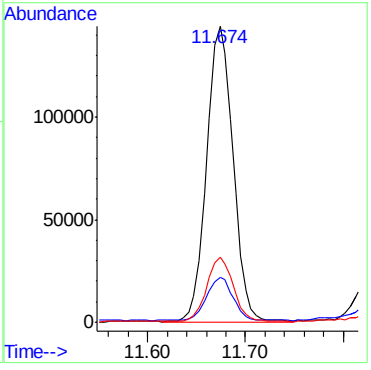


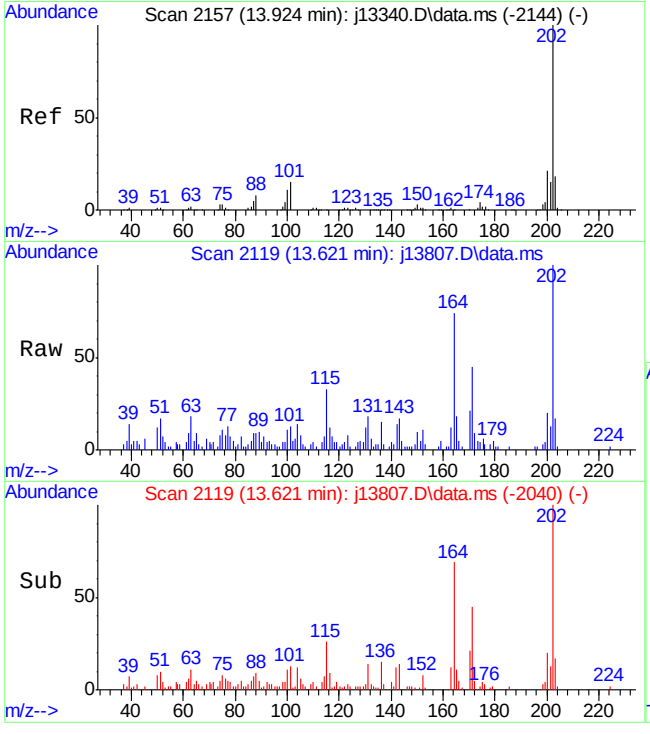


#68
Carbazole
Concen: 7.96 ug/ml
RT: 11.674 min Scan# 1755
Delta R.T. -0.120 min
Lab File: j13807.D
Acq: 13 Oct 2009 10:17 pm

Tgt Ion:167 Resp: 273196

Ion	Ratio	Lower	Upper
167	100		
139	14.9	0.0	34.1
166	22.7	0.9	40.9

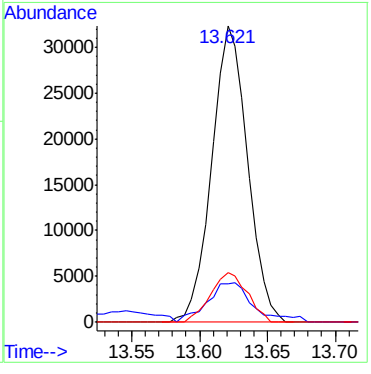


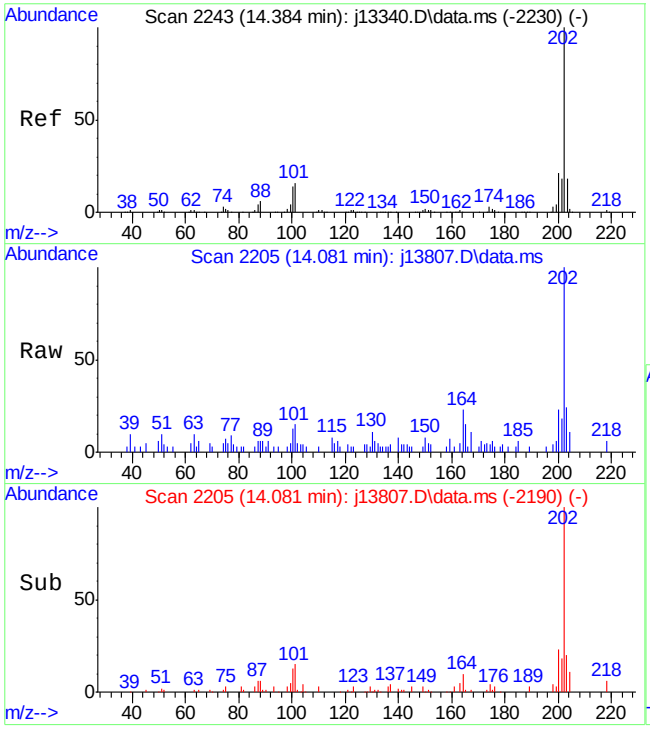


#70
Fluoranthene
Concen: 1.49 ug/ml
RT: 13.621 min Scan# 2119
Delta R.T. -0.080 min
Lab File: j13807.D
Acq: 13 Oct 2009 10:17 pm

Tgt Ion:202 Resp: 59702

Ion	Ratio	Lower	Upper
202	100		
101	17.0	0.0	33.9
203	17.1	0.0	37.3

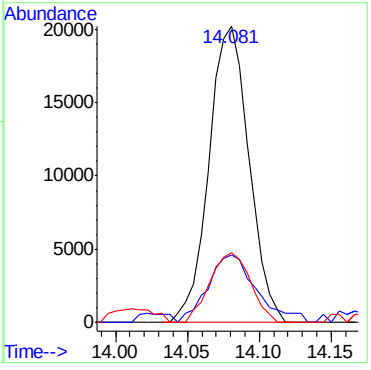




#73
Pyrene
Concen: 1.05 ug/ml
RT: 14.081 min Scan# 2205
Delta R.T. -0.120 min
Lab File: j13807.D
Acq: 13 Oct 2009 10:17 pm

Tgt Ion:202 Resp: 38970

Ion	Ratio	Lower	Upper
202	100		
200	27.6	0.5	40.5
203	0.0	0.0	37.8



8.1.16

8

LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13807.D
Acq On : 13 Oct 2009 10:17 pm
Operator : sheilac
Sample : t39513-7,4x
Misc : op13230,Ej633,970,,,1,4,water
ALS Vial : 25 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\ej615mg.m
Title :

Signal : TIC: j13807.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.613	245	248	264	rVB	201292	434797	1.02%	0.286%
2	3.720	264	268	271	rBV2	885361	1039039	2.44%	0.685%
3	4.105	335	340	355	rBV2	343602	968248	2.28%	0.638%
4	4.330	375	382	392	rBV2	270727	584483	1.37%	0.385%
5	4.458	402	406	409	rBV	322584	443557	1.04%	0.292%
6	4.496	409	413	422	rVB3	585937	1238846	2.91%	0.816%
7	4.587	427	430	437	rVV2	434152	610559	1.44%	0.402%
8	4.694	447	450	459	rVV	2449492	3298552	7.75%	2.173%
9	4.849	475	479	488	rVB	2138646	2565835	6.03%	1.691%
10	4.918	488	492	499	rBV	2583997	3047073	7.16%	2.008%
11	5.122	527	530	539	rVB2	600671	850542	2.00%	0.560%
12	5.191	539	543	553	rVB	530880	749075	1.76%	0.494%
13	5.320	562	567	574	rBV3	538963	964711	2.27%	0.636%
14	5.378	574	578	591	rVB	1211943	1655381	3.89%	1.091%
15	5.603	614	620	624	rBV	1188739	1750787	4.12%	1.154%
16	5.731	636	644	650	rVV2	817698	1318585	3.10%	0.869%
17	5.945	669	684	687	rBV2	22938985	42540269	100.00%	28.030%
18	5.983	687	691	698	rVB	2086812	2503762	5.89%	1.650%
19	6.207	723	733	738	rBV	374250	558289	1.31%	0.368%
20	6.764	833	837	847	rVB	1296314	1590383	3.74%	1.048%
21	6.849	847	853	854	rVV2	354847	451564	1.06%	0.298%
22	6.897	854	862	872	rVB	3428735	5062628	11.90%	3.336%
23	7.095	881	899	901	rBV	893647	2521379	5.93%	1.661%
24	7.288	930	935	944	rVB	1007710	1410568	3.32%	0.929%
25	7.432	952	962	966	rBV2	543975	935807	2.20%	0.617%
26	7.801	1025	1031	1035	rBV	427256	784542	1.84%	0.517%
27	7.844	1035	1039	1043	rVV2	263676	448929	1.06%	0.296%
28	8.288	1110	1122	1127	rBV3	140907	459263	1.08%	0.303%
29	8.352	1127	1134	1139	rVV	2944158	4846173	11.39%	3.193%
30	8.416	1139	1146	1151	rVV	5414645	8236184	19.36%	5.427%
31	8.475	1151	1157	1163	rVV	1003934	1501565	3.53%	0.989%
32	8.609	1173	1182	1194	rBV2	1472001	3261784	7.67%	2.149%
33	8.705	1194	1200	1207	rBV	1809937	3077598	7.23%	2.028%
34	8.834	1219	1224	1233	rVB3	225742	614744	1.45%	0.405%

LSC Area Percent Report

```
Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13807.D
Acq On    : 13 Oct 2009  10:17 pm
Operator  : sheilac
Sample    : t39513-7,4x
Misc      : op13230,Ej633,970,,,1,4,water
ALS Vial  : 25   Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : OFF                          Filtering: 5
Sampling  : 1                             Min Area: 1 % of largest Peak
Start Thrs: 0.2                          Max Peaks: 100
Stop Thrs : 0                        Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method    : C:\msdchem\1\METHODS\ej615mg.m
Title     :
```

35	9.053	1260	1265	1270	rVV3	382574	883168	2.08%	0.582%
36	9.106	1270	1275	1287	rVB4	397193	976740	2.30%	0.644%
37	9.288	1299	1309	1312	rBV4	713612	1724272	4.05%	1.136%
38	9.320	1312	1315	1330	rVB	952996	1568311	3.69%	1.033%
39	9.449	1330	1339	1343	rBV3	311105	738226	1.74%	0.486%
40	9.492	1343	1347	1353	rVB3	285280	456151	1.07%	0.301%
41	9.577	1357	1363	1376	rVV2	399063	893114	2.10%	0.588%
42	9.738	1383	1393	1398	rVB	1328333	3116034	7.32%	2.053%
43	9.796	1398	1404	1409	rBV3	801123	1393698	3.28%	0.918%
44	10.187	1454	1477	1485	rVB4	2058878	11152432	26.22%	7.348%
45	10.395	1496	1516	1519	rBV	1660148	4586585	10.78%	3.022%
46	11.053	1625	1639	1643	rBV2	943221	2931068	6.89%	1.931%
47	11.134	1648	1654	1659	rVV2	2380555	4573471	10.75%	3.013%
48	11.176	1659	1662	1668	rVB	1200634	1764994	4.15%	1.163%
49	11.246	1668	1675	1680	rBV3	448864	1074211	2.53%	0.708%
50	12.043	1815	1824	1834	rVB6	853528	3061124	7.20%	2.017%
51	12.187	1846	1851	1860	rVB	253989	504463	1.19%	0.332%
52	13.113	2015	2024	2038	rVB	280353	813277	1.91%	0.536%
53	13.546	2093	2105	2113	rBV2	200977	648098	1.52%	0.427%
54	13.631	2114	2121	2137	rVB2	288125	759278	1.78%	0.500%
55	14.492	2275	2282	2290	rVB	668816	1178172	2.77%	0.776%
56	16.653	2676	2686	2698	rBV	1540518	2973062	6.99%	1.959%
57	19.451	3200	3209	3222	rBV	754019	1673037	3.93%	1.102%

Sum of corrected areas: 151768487

LSC Report - Integrated Chromatogram

```
Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13807.D
Acq On    : 13 Oct 2009  10:17 pm
Operator  : sheilac
Sample    : t39513-7,4x
Misc      : op13230,Ej633,970,,,1,4,water
ALS Vial  : 25   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
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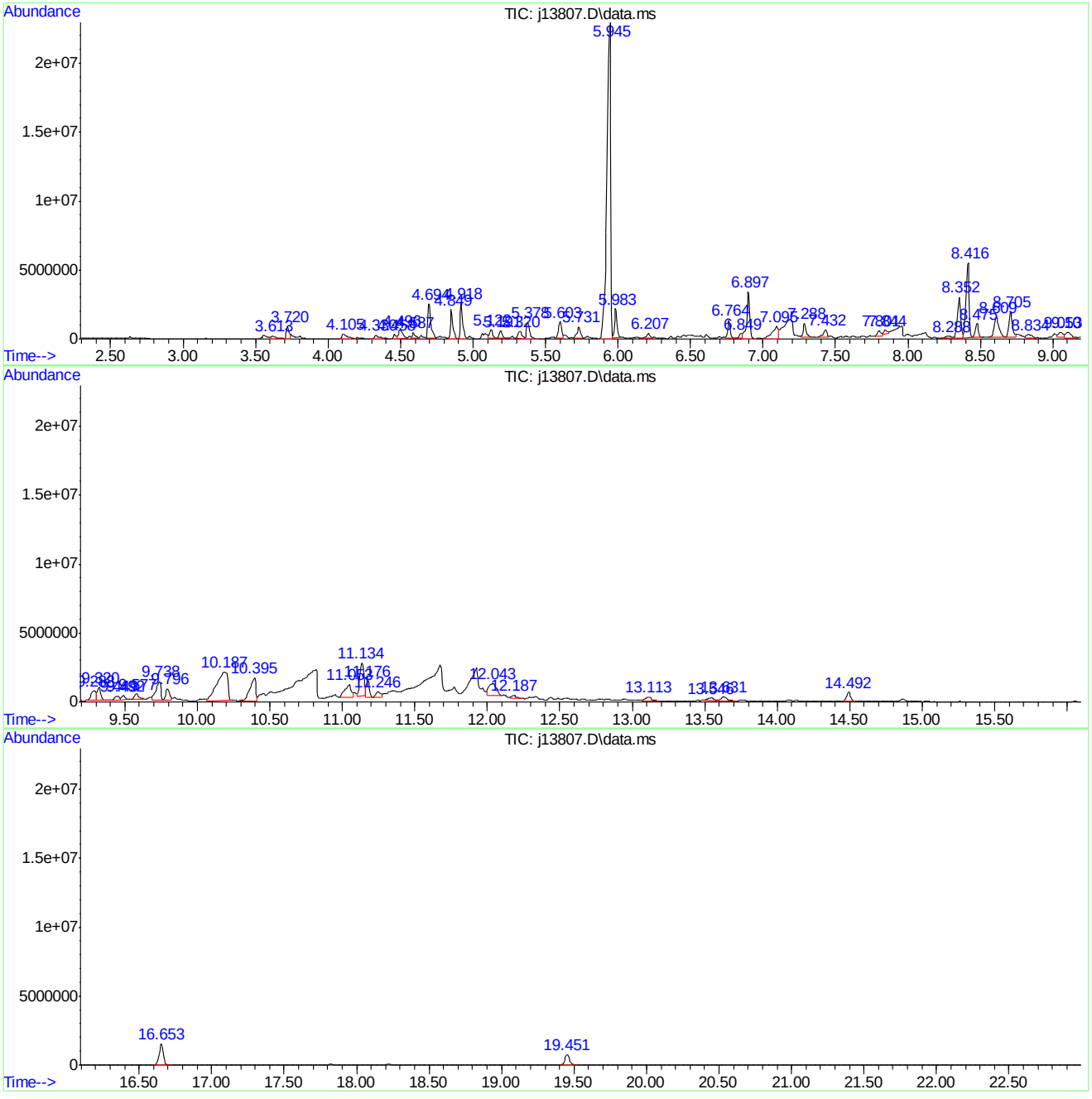


Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13807.D
Acq On : 13 Oct 2009 10:17 pm
Operator : sheilac
Sample : t39513-7,4x
Misc : op13230,Ej633,970,,,1,4,water
ALS Vial : 25 Sample Multiplier: 1

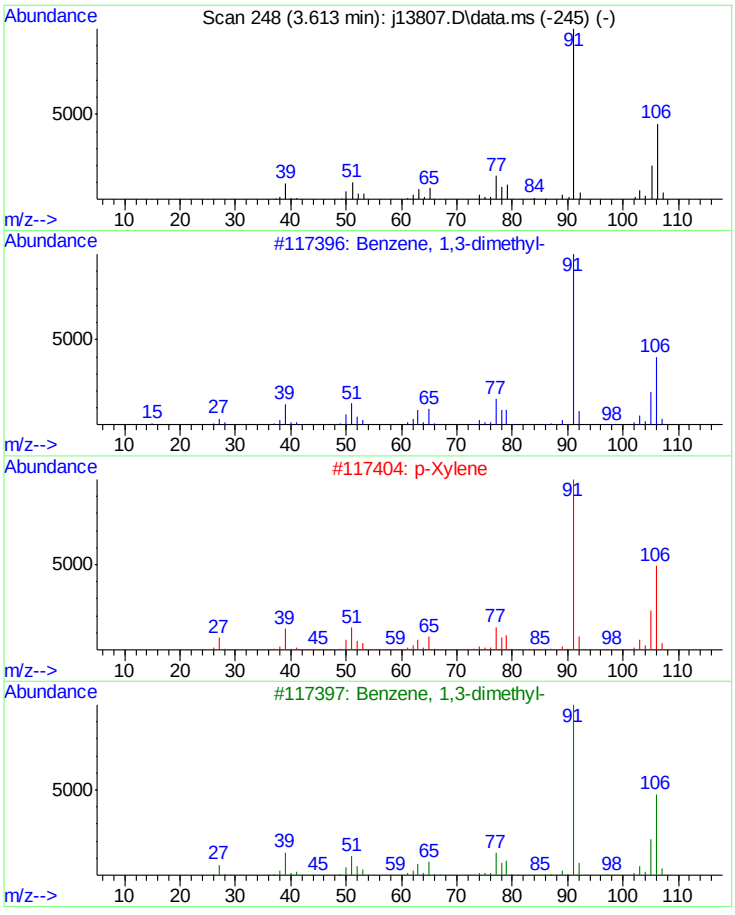
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

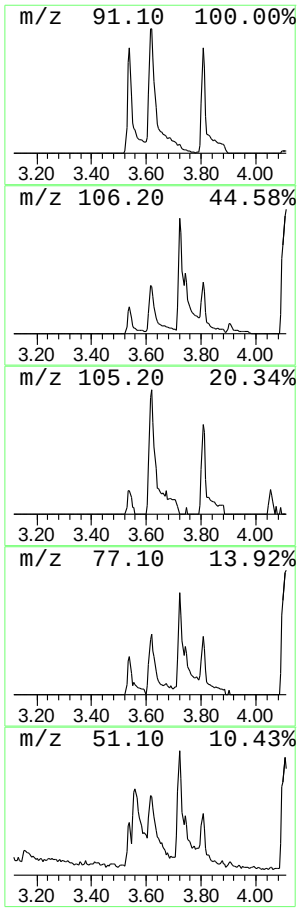
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Benzene, 1,3-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.613	5.27 ug/ml	434797	1,4-Dichlorobenzene-d4	4.699

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	94
2	p-Xylene	106	C8H10	000106-42-3	94
3	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	94
4	Benzene, 1,2-dimethyl-	106	C8H10	000095-47-6	91
5	p-Xylene	106	C8H10	000106-42-3	91





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13807.D
Acq On : 13 Oct 2009 10:17 pm
Operator : sheilac
Sample : t39513-7,4x
Misc : op13230,Ej633,970,,,1,4,water
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

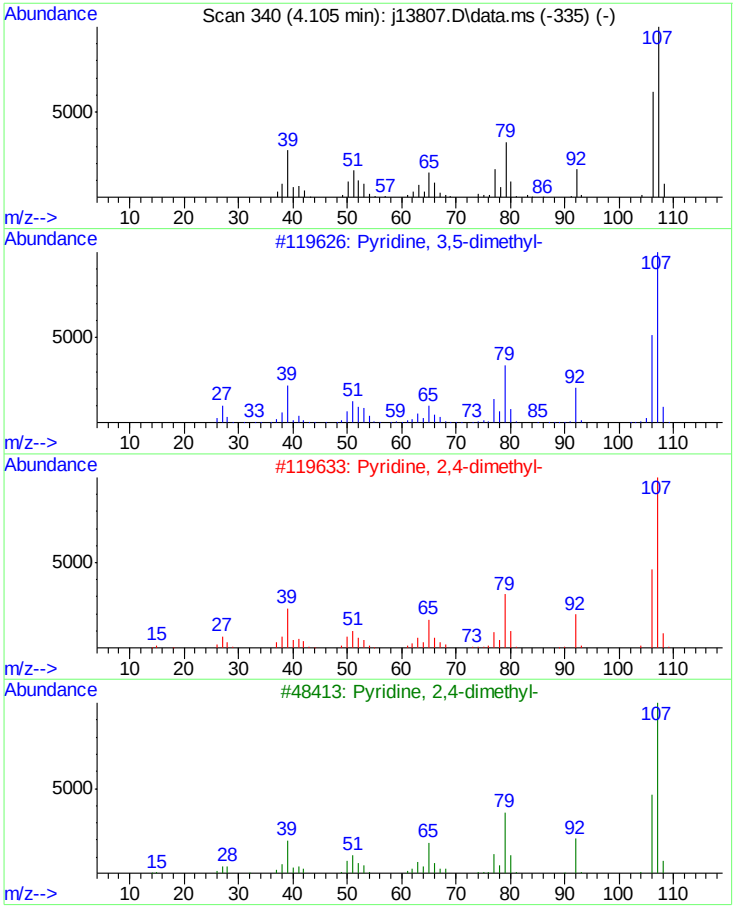
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

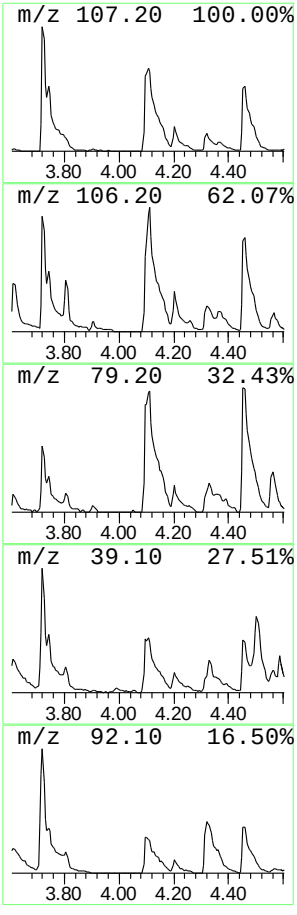
****

Peak Number 2 Pyridine, 3,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.105	11.74 ug/ml	968248	1,4-Dichlorobenzene-d4	4.699

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 3,5-dimethyl-	107	C7H9N	000591-22-0	97
2	Pyridine, 2,4-dimethyl-	107	C7H9N	000108-47-4	97
3	Pyridine, 2,4-dimethyl-	107	C7H9N	000108-47-4	95
4	Pyridine, 2,5-dimethyl-	107	C7H9N	000589-93-5	95
5	Pyridine, 2,5-dimethyl-	107	C7H9N	000589-93-5	94





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13807.D
Acq On : 13 Oct 2009 10:17 pm
Operator : sheilac
Sample : t39513-7,4x
Misc : op13230,Ej633,970,,,1,4,water
ALS Vial : 25 Sample Multiplier: 1

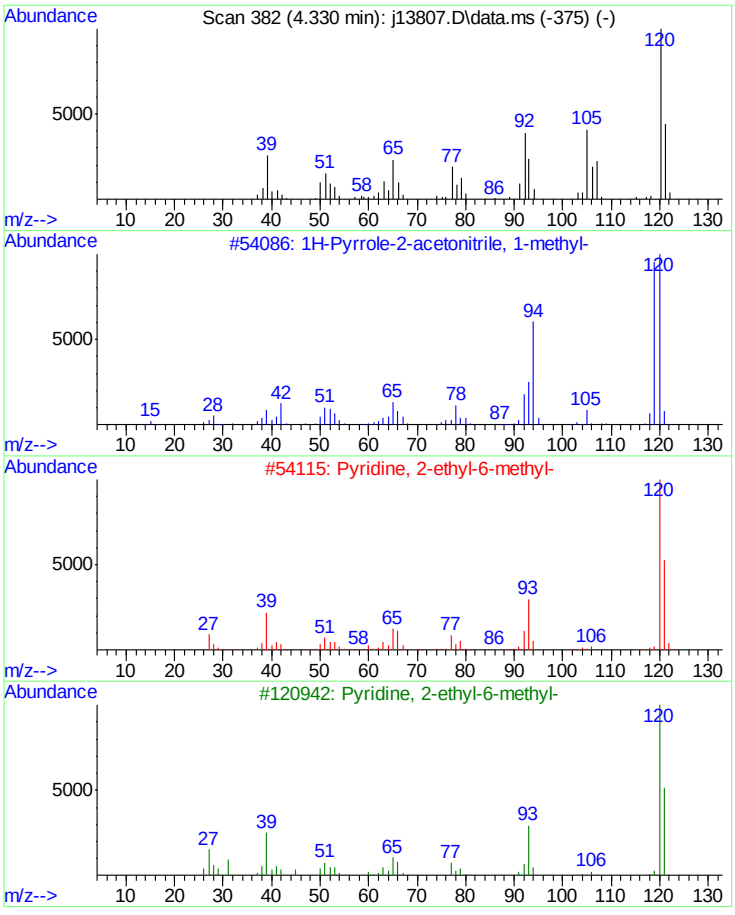
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

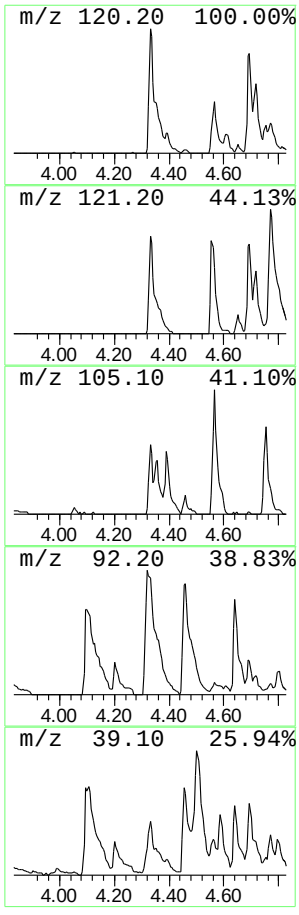
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 1H-Pyrrole-2-acetonitrile, ... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.330	7.09 ug/ml	584483	1,4-Dichlorobenzene-d4	4.699

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Pyrrole-2-acetonitrile, 1-met...	120	C7H8N2	024437-41-0	49
2	Pyridine, 2-ethyl-6-methyl-	121	C8H11N	001122-69-6	49
3	Pyridine, 2-ethyl-6-methyl-	121	C8H11N	001122-69-6	46
4	Cyclohexene, 1-(1-propynyl)-	120	C9H12	001655-05-6	35
5	Benzenamine, N,3-dimethyl-	121	C8H11N	000696-44-6	25





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13807.D
Acq On : 13 Oct 2009 10:17 pm
Operator : sheilac
Sample : t39513-7,4x
Misc : op13230,Ej633,970,,,1,4,water
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****

Peak Number 4 Benzofuran Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.587	7.40 ug/ml	610559	1,4-Dichlorobenzene-d4	4.699

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran	118	C8H6O	000271-89-6	94
2	Benzofuran	118	C8H6O	000271-89-6	91
3	Benzofuran	118	C8H6O	000271-89-6	91
4	Benzofuran	118	C8H6O	000271-89-6	91
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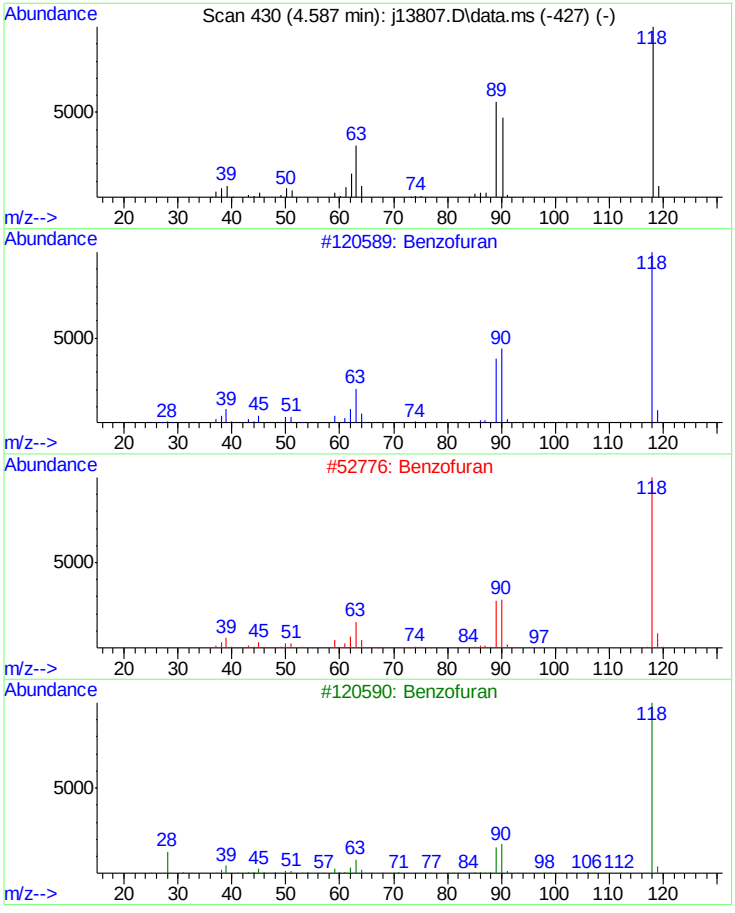

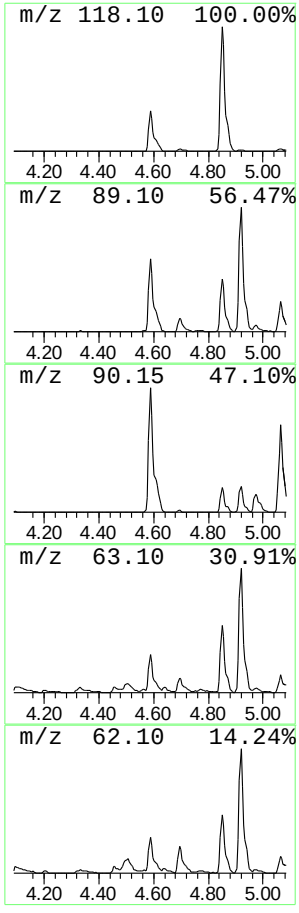

Library Search Compound Report

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Acq On : 13 Oct 2009 10:17 pm
Operator : sheilac
Sample : t39513-7,4x
Misc : op13230,Ej633,970,,,1,4,water
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

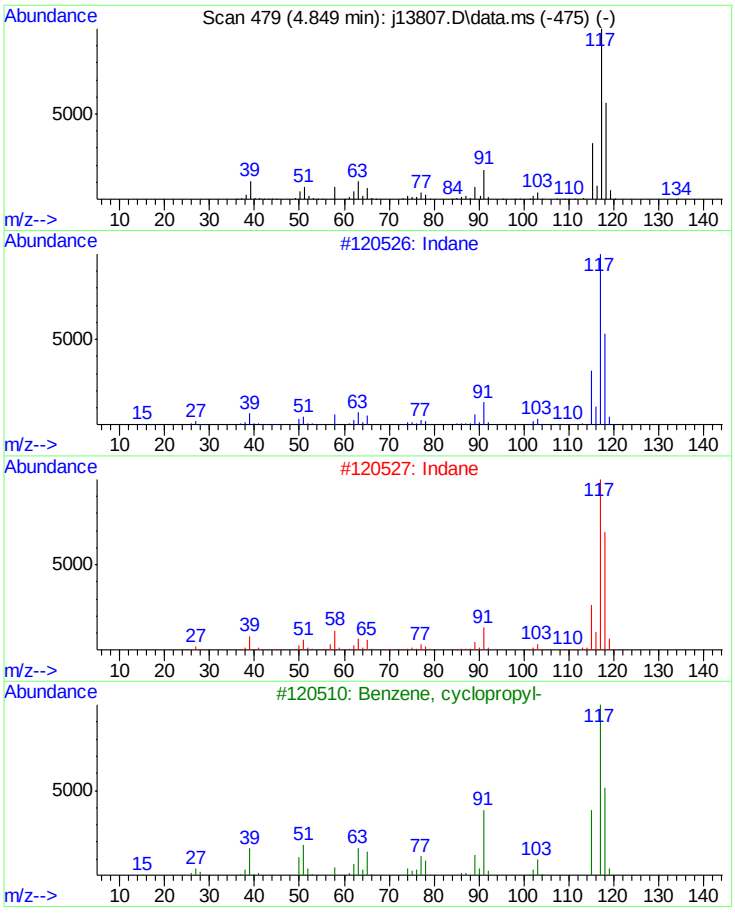
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

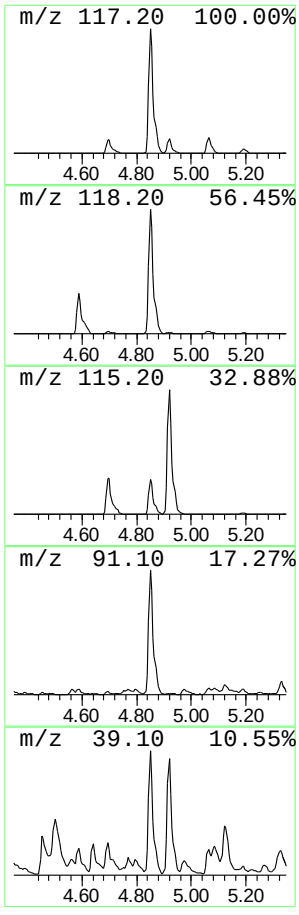
****

Peak Number 5 Indane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.849	31.11 ug/ml	2565840	1,4-Dichlorobenzene-d4	4.699

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Indane	118	C9H10	000496-11-7	81
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	64





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
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Acq On : 13 Oct 2009 10:17 pm
Operator : sheilac
Sample : t39513-7,4x
Misc : op13230,Ej633,970,,,1,4,water
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

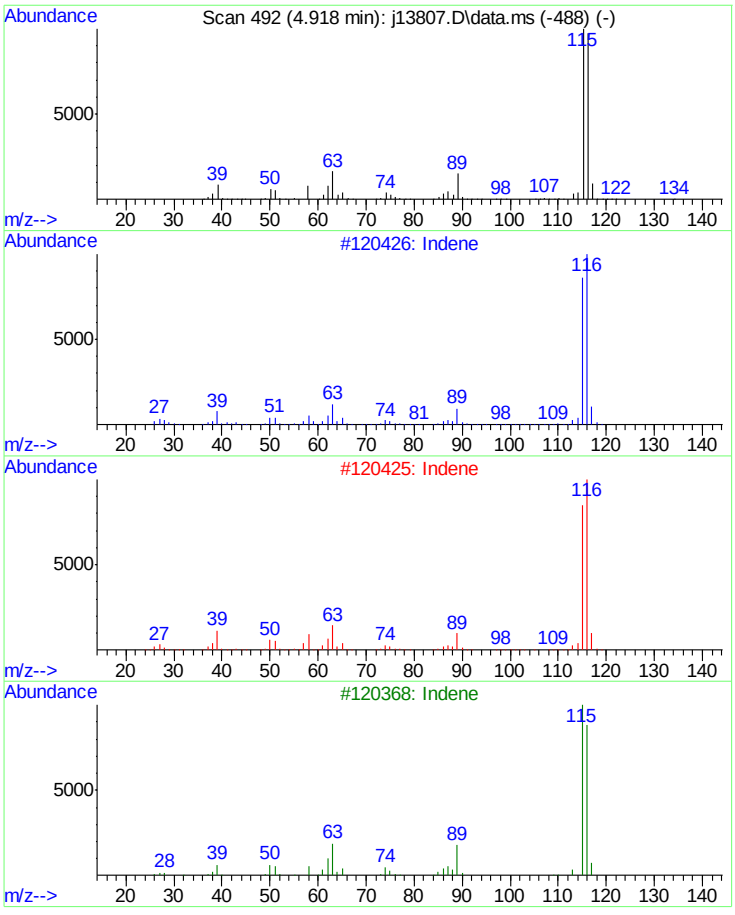
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

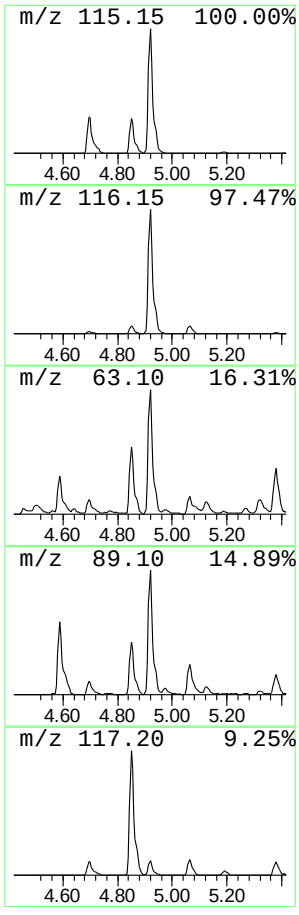
****

Peak Number 6 Indene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.918	36.95 ug/ml	3047070	1,4-Dichlorobenzene-d4	4.699

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	96
2	Indene	116	C9H8	000095-13-6	96
3	Indene	116	C9H8	000095-13-6	95
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





Library Search Compound Report

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Acq On : 13 Oct 2009 10:17 pm
Operator : sheilac
Sample : t39513-7,4x
Misc : op13230,Ej633,970,,,1,4,water
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

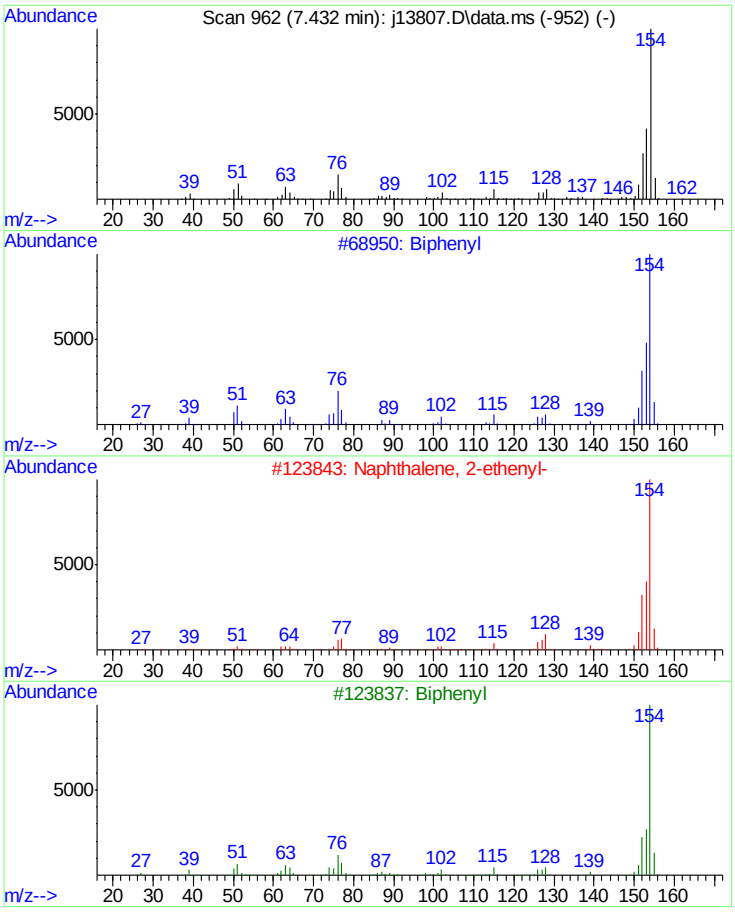
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

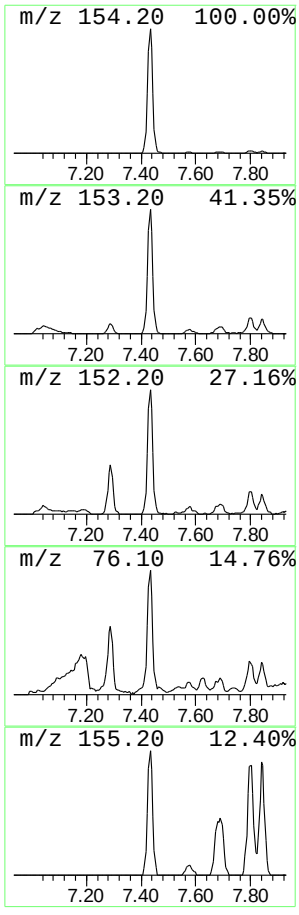
****

Peak Number 7 Biphenyl Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.432	7.72 ug/ml	935807	Acenaphthene-d10	8.352

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenyl	154	C12H10	000092-52-4	96
2	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	94
3	Biphenyl	154	C12H10	000092-52-4	93
4	Biphenyl	154	C12H10	000092-52-4	93
5	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	87





Library Search Compound Report

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Operator  : sheilac
Sample    : t39513-7,4x
Misc      : op13230,Ej633,970,,,1,4,water
ALS Vial  : 25   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
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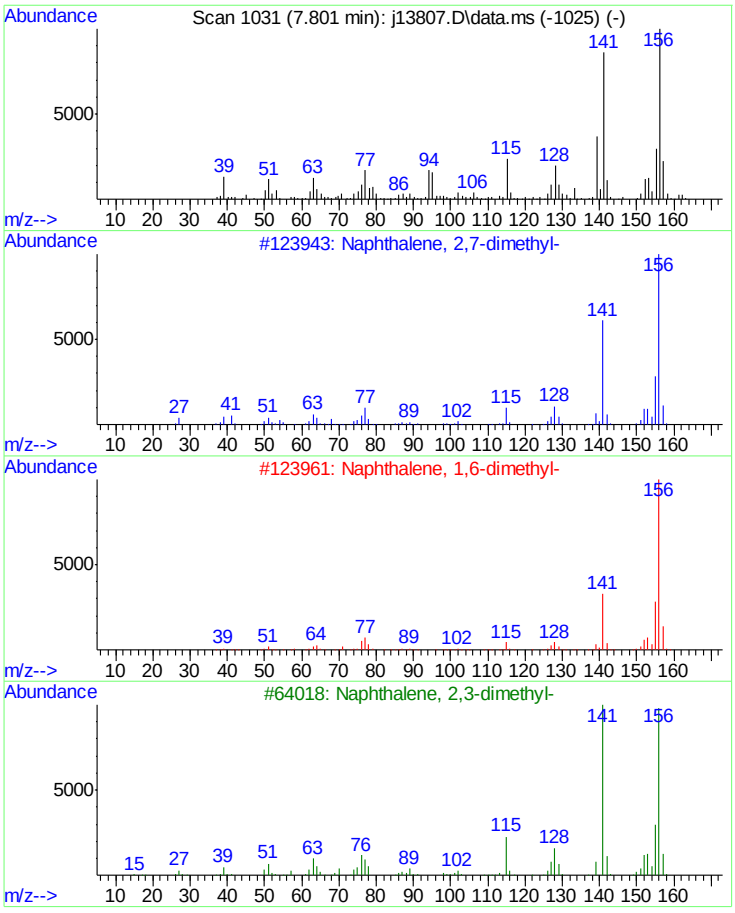
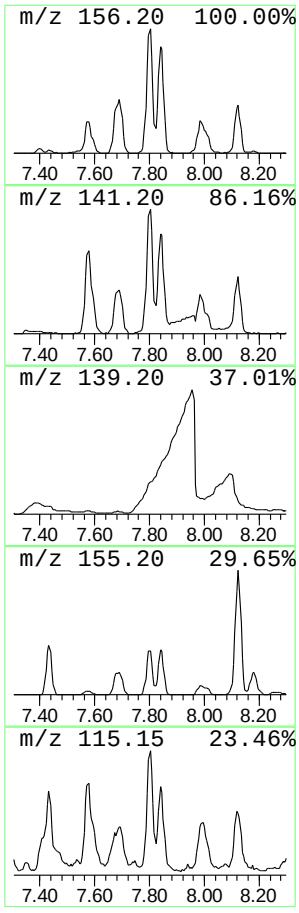
Peak Number 8 Naphthalene, 2,7-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.801	6.48 ug/ml	784542	Acenaphthene-d10	8.352

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13807.D
Acq On : 13 Oct 2009 10:17 pm
Operator : sheilac
Sample : t39513-7,4x
Misc : op13230,Ej633,970,,,1,4,water
ALS Vial : 25 Sample Multiplier: 1

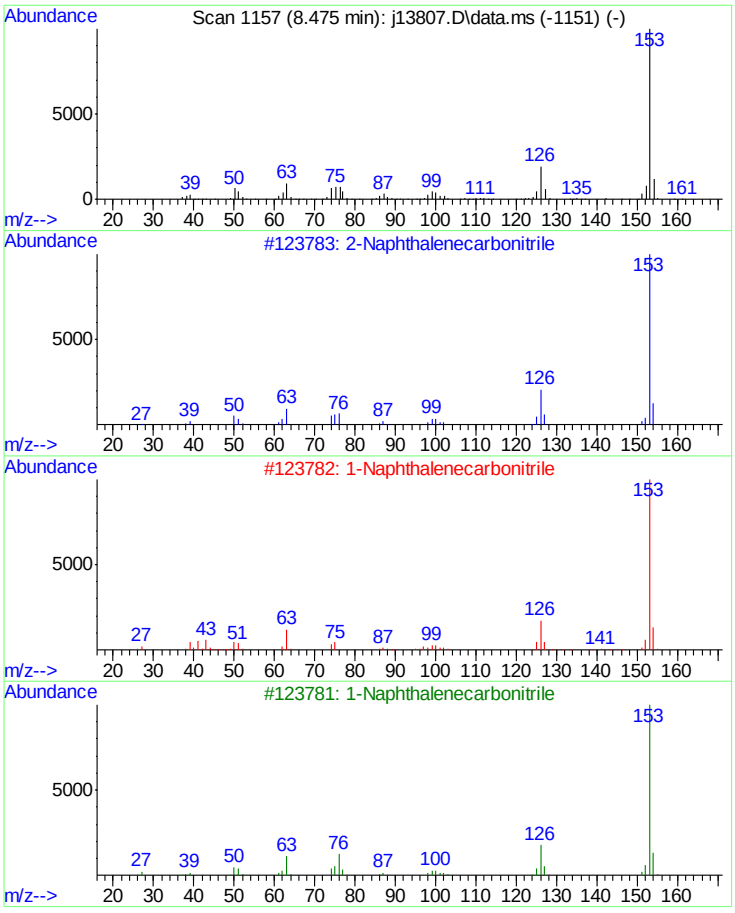
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

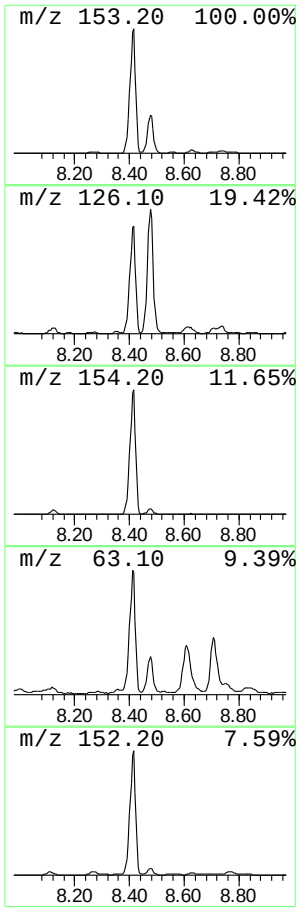
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 2-Naphthalenecarbonitrile Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.475	12.39 ug/ml	1501570	Acenaphthene-d10	8.352

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	97
2	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
3	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
4	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	90
5	Naphthalene, 1-isocyano-	153	C11H7N	001984-04-9	90





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
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Acq On : 13 Oct 2009 10:17 pm
Operator : sheilac
Sample : t39513-7,4x
Misc : op13230,Ej633,970,,,1,4,water
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

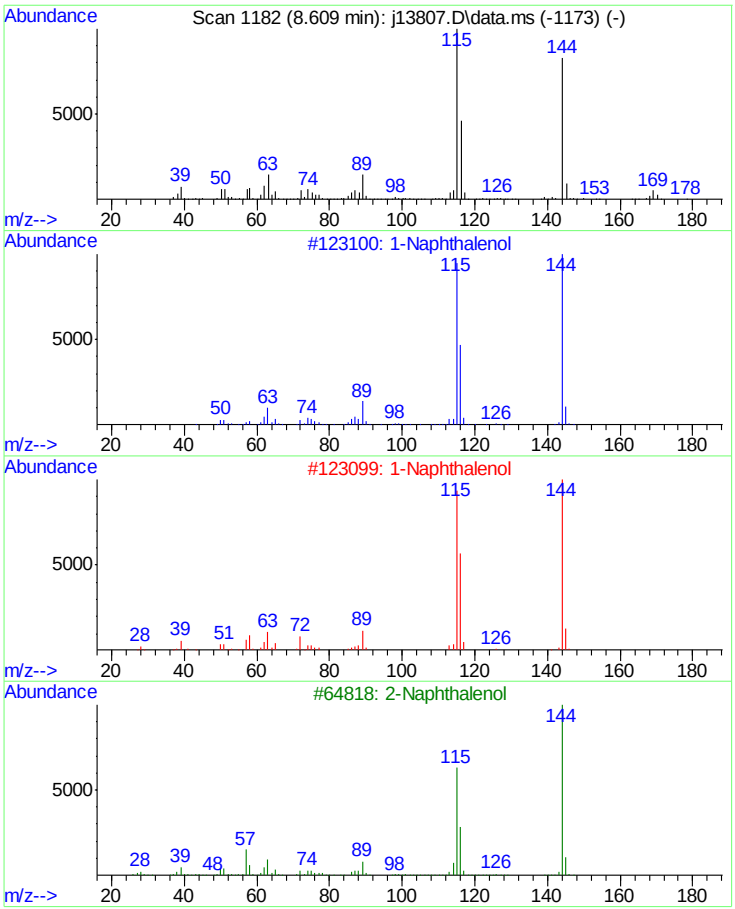
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

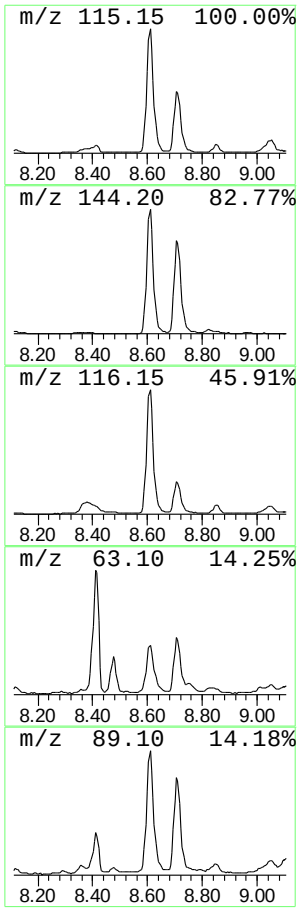
****

Peak Number 10 1-Naphthalenol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.609	26.92 ug/ml	3261780	Acenaphthene-d10	8.352

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenol	144	C10H8O	000090-15-3	96
2	1-Naphthalenol	144	C10H8O	000090-15-3	93
3	2-Naphthalenol	144	C10H8O	000135-19-3	91
4	2-Naphthalenol	144	C10H8O	000135-19-3	91
5	1-Naphthalenol	144	C10H8O	000090-15-3	91





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
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Acq On : 13 Oct 2009 10:17 pm
Operator : sheilac
Sample : t39513-7,4x
Misc : op13230,Ej633,970,,,1,4,water
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

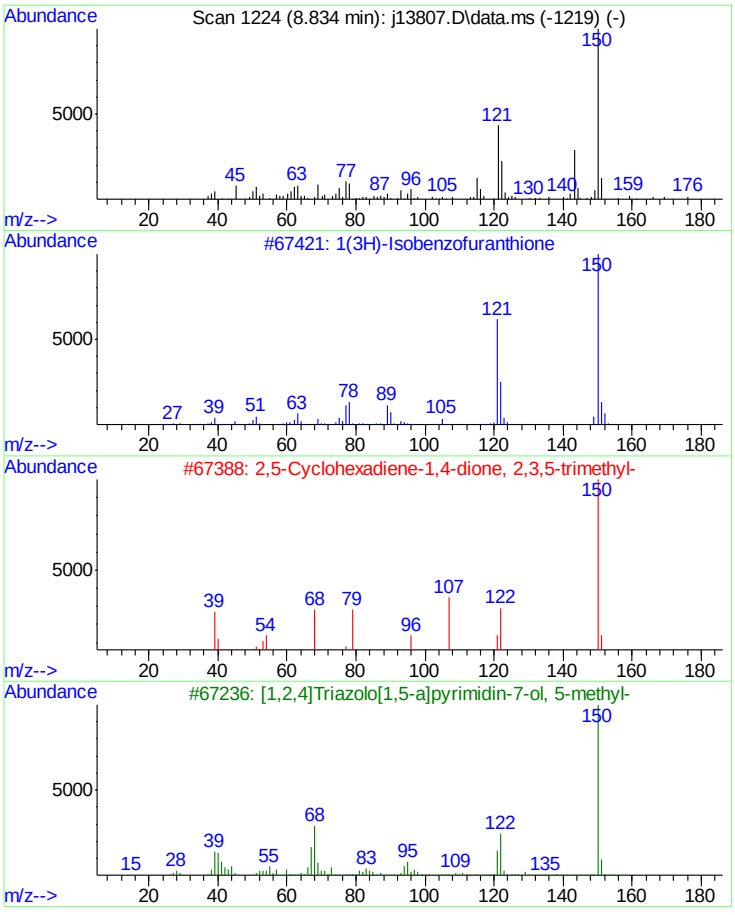
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

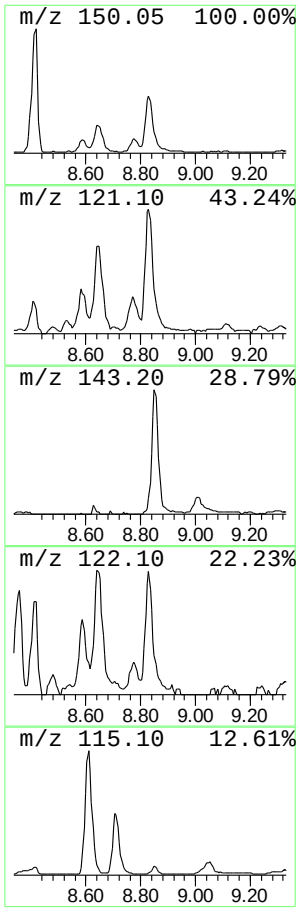
****

Peak Number 11 1(3H)-Isobenzofuranthione Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.834	5.07 ug/ml	614744	Acenaphthene-d10	8.352

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(3H)-Isobenzofuranthione	150	C8H6OS	004741-68-8	68
2	2,5-Cyclohexadiene-1,4-dione, 2,...	150	C9H10O2	000935-92-2	53
3	[1,2,4]Triazolo[1,5-a]pyrimidin-...	150	C6H6N4O	002503-56-2	45
4	4-Amino-3,5-diethylpyridine	150	C9H14N2	1000128-75-1	38
5	4-Hydroxybenzo[b]thiophene	150	C8H6OS	003610-02-4	38





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
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Acq On : 13 Oct 2009 10:17 pm
Operator : sheilac
Sample : t39513-7,4x
Misc : op13230,Ej633,970,,,1,4,water
ALS Vial : 25 Sample Multiplier: 1

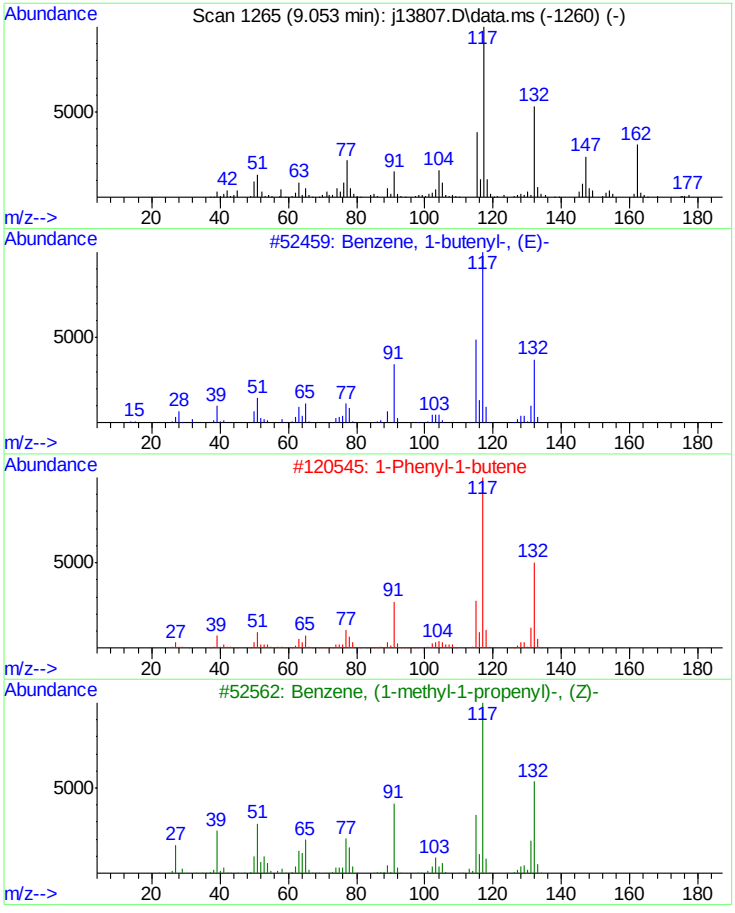
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

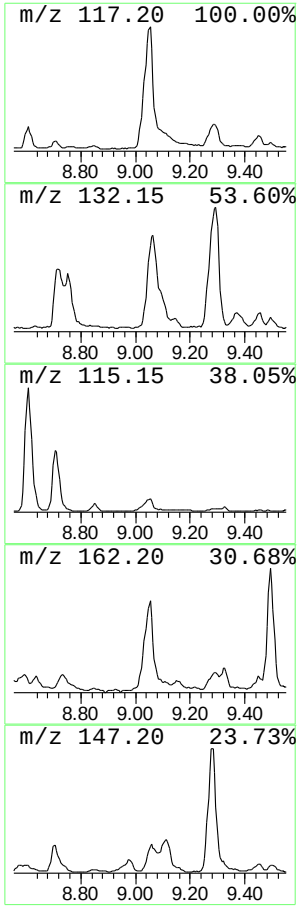
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Benzene, 1-butenyl-, (E)- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.053	7.29 ug/ml	883168	Acenaphthene-d10	8.352

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-butenyl-, (E)-	132	C10H12	001005-64-7	76
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	76
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	72
4	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	70
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	68





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13807.D
Acq On : 13 Oct 2009 10:17 pm
Operator : sheilac
Sample : t39513-7,4x
Misc : op13230,Ej633,970,,,1,4,water
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

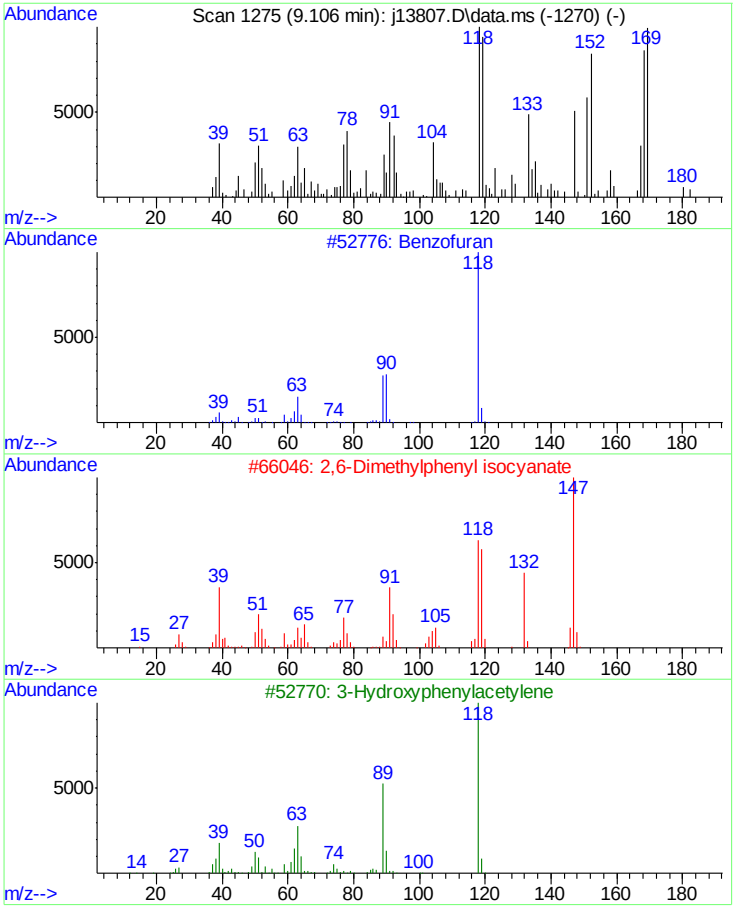
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

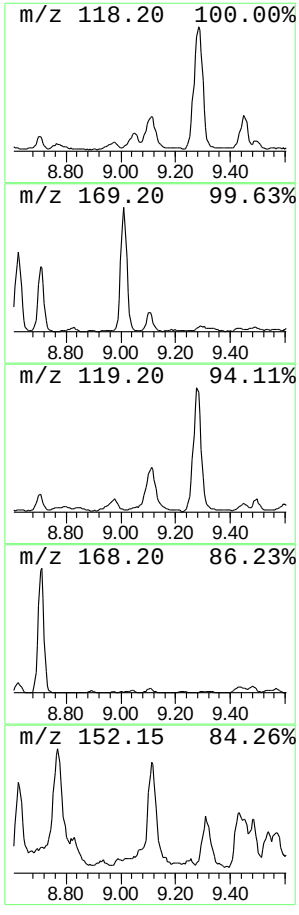
****

Peak Number 13 Benzofuran Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.106	8.06 ug/ml	976740	Acenaphthene-d10	8.352

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran	118	C8H6O	000271-89-6	25
2	2,6-Dimethylphenyl isocyanate	147	C9H9NO	028556-81-2	22
3	3-Hydroxyphenylacetylene	118	C8H6O	010401-11-3	15
4	2,5-Methano-1H-inden-7-ol, 8-chl...	228	C12H17ClO2	058594-29-9	14
5	1H-Indole, 2,3-dihydro-	119	C8H9N	000496-15-1	11





Library Search Compound Report

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Acq On : 13 Oct 2009 10:17 pm
Operator : sheilac
Sample : t39513-7,4x
Misc : op13230,Ej633,970,,,1,4,water
ALS Vial : 25 Sample Multiplier: 1

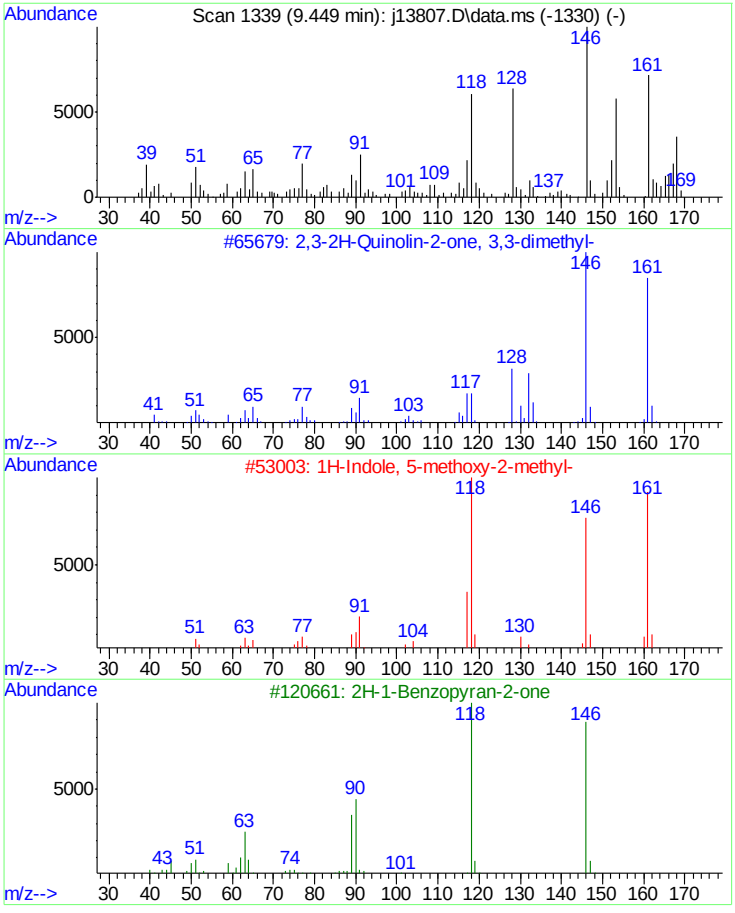
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

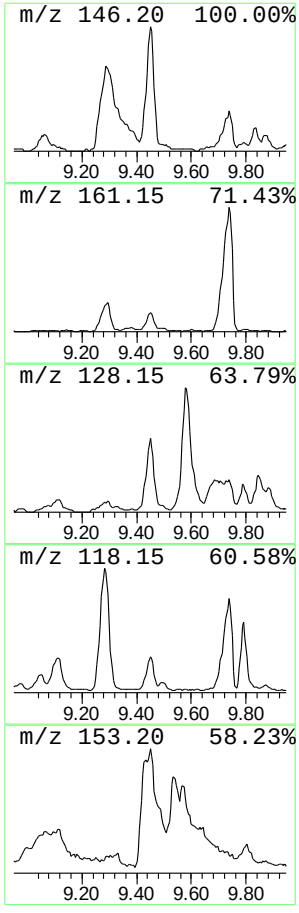
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 2,3-2H-Quinolin-2-one, 3,3-... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.449	6.09 ug/ml	738226	Acenaphthene-d10	8.352

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3-2H-Quinolin-2-one, 3,3-dimet...	161	C10H11NO	1000129-71-0	45
2	1H-Indole, 5-methoxy-2-methyl-	161	C10H11NO	001076-74-0	42
3	2H-1-Benzopyran-2-one	146	C9H6O2	000091-64-5	38
4	2,3-Dihydro-3,3-dimethylindole-2...	161	C10H11NO	1000128-67-0	38
5	1H-1,3,2-Benzodiazaborole, 2-eth...	146	C8H11BN2	074663-81-3	38





Library Search Compound Report

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Data File : j13807.D
Acq On    : 13 Oct 2009  10:17 pm
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Sample    : t39513-7,4x
Misc      : op13230,Ej633,970,,,1,4,water
ALS Vial  : 25   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
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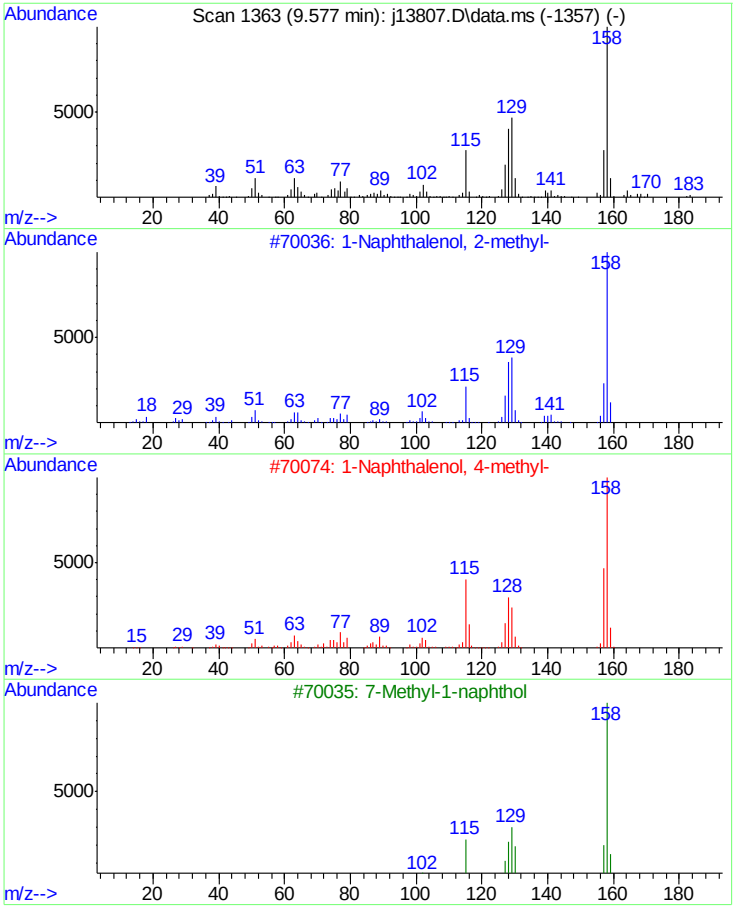
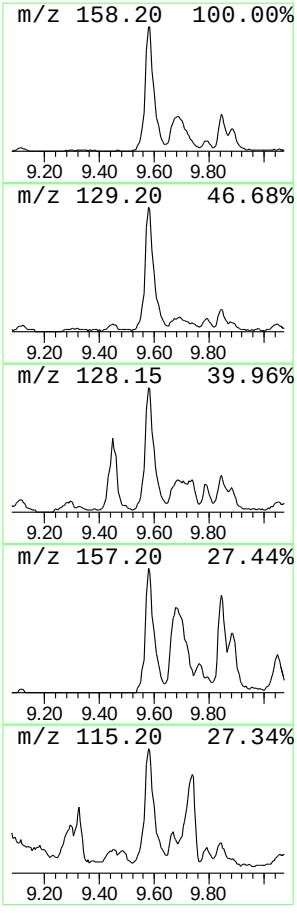
Peak Number 15 1-Naphthalenol, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.577	7.37 ug/ml	893114	Acenaphthene-d10	8.352

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenol, 2-methyl-	158	C11H10O	007469-77-4	94
2	1-Naphthalenol, 4-methyl-	158	C11H10O	010240-08-1	64
3	7-Methyl-1-naphthol	158	C11H10O	006939-33-9	64
4	Cinnoline, 3,4-dimethyl-	158	C10H10N2	003929-83-7	50
5	1H-Pyrazole, 3-methyl-5-phenyl-	158	C10H10N2	003347-62-4	46





Library Search Compound Report

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Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13807.D
Acq On    : 13 Oct 2009  10:17 pm
Operator  : sheilac
Sample    : t39513-7,4x
Misc      : op13230,Ej633,970,,,1,4,water
ALS Vial  : 25   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
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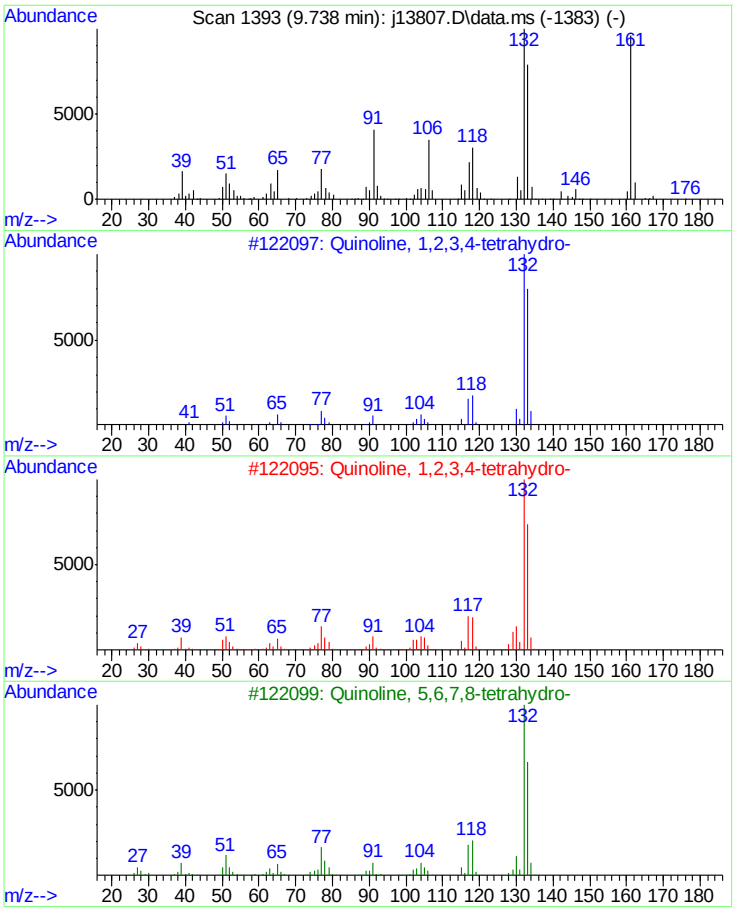
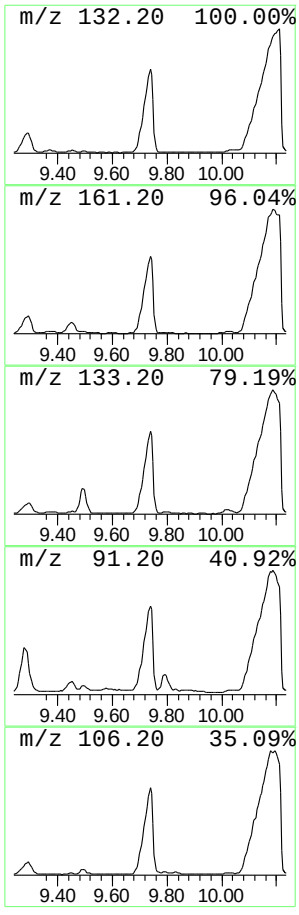
****

Peak Number 16 Quinoline, 1,2,3,4-tetrahydro- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.738	25.72 ug/ml	3116030	Acenaphthene-d10	8.352

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline, 1,2,3,4-tetrahydro-	133	C9H11N	000635-46-1	64
2	Quinoline, 1,2,3,4-tetrahydro-	133	C9H11N	000635-46-1	60
3	Quinoline, 5,6,7,8-tetrahydro-	133	C9H11N	010500-57-9	60
4	Quinoline, 1,2,3,4-tetrahydro-	133	C9H11N	000635-46-1	60
5	1(2H)-Quinolinecarboxaldehyde, 3...	161	C10H11NO	002739-16-4	58





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13807.D
Acq On : 13 Oct 2009 10:17 pm
Operator : sheilac
Sample : t39513-7,4x
Misc : op13230,Ej633,970,,,1,4,water
ALS Vial : 25 Sample Multiplier: 1

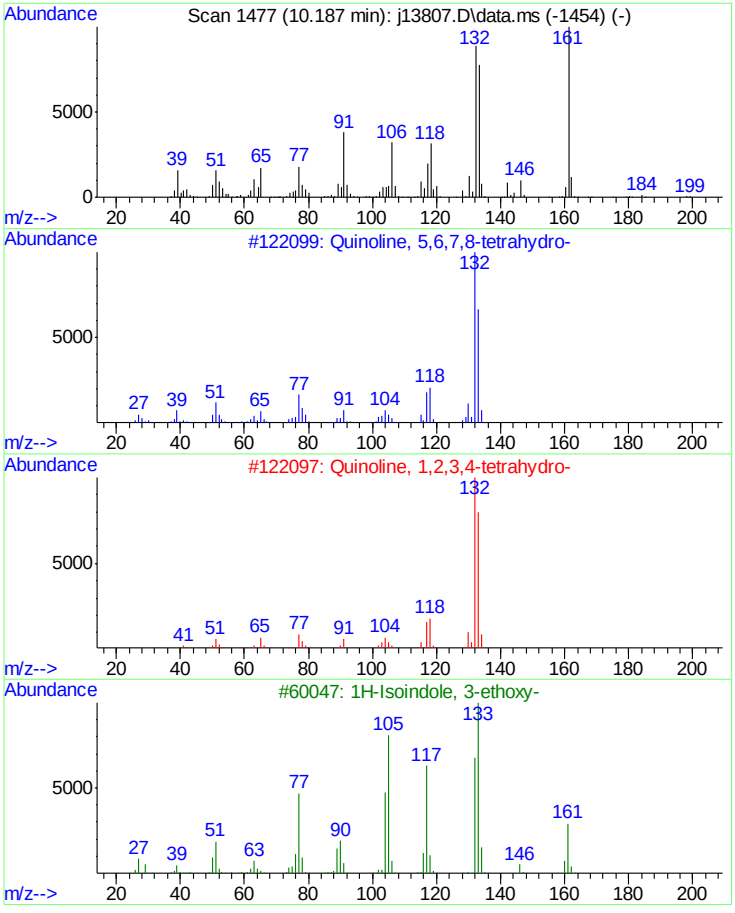
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

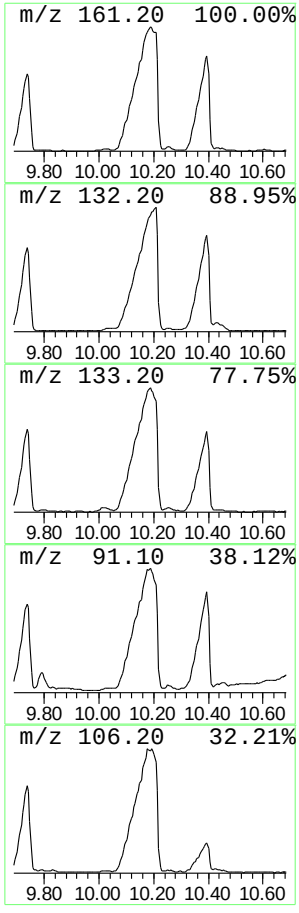
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Quinoline, 5,6,7,8-tetrahydro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.187	97.54 ug/ml	11152400	Phenanthrene-d10	11.134

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline, 5,6,7,8-tetrahydro-	133	C9H11N	010500-57-9	60
2	Quinoline, 1,2,3,4-tetrahydro-	133	C9H11N	000635-46-1	60
3	1H-Isoindole, 3-ethoxy-	161	C10H11NO	049619-49-0	58
4	Quinoline, 1,2,3,4-tetrahydro-	133	C9H11N	000635-46-1	53
5	Cyclopropanamine, 2-phenyl-, tra...	133	C9H11N	000155-09-9	53





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13807.D
Acq On : 13 Oct 2009 10:17 pm
Operator : sheilac
Sample : t39513-7,4x
Misc : op13230,Ej633,970,,,1,4,water
ALS Vial : 25 Sample Multiplier: 1

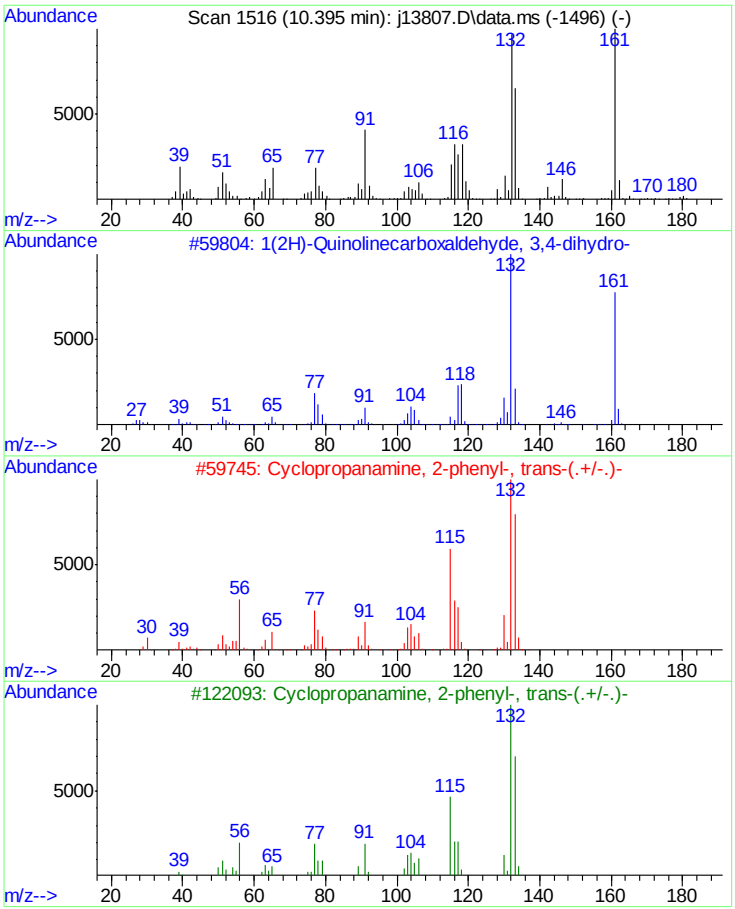
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

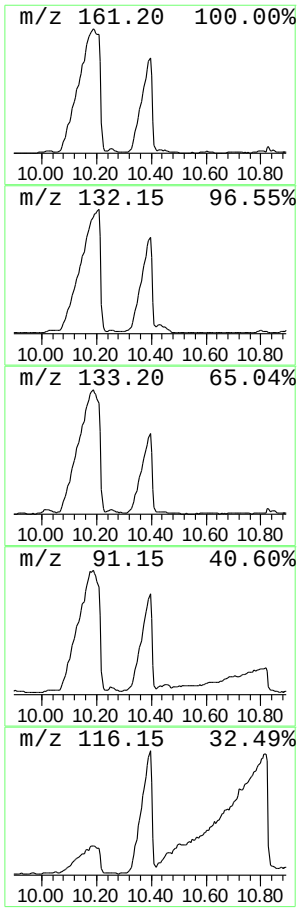
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 1(2H)-Quinolinecarboxaldehy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.395	40.11 ug/ml	4586590	Phenanthrene-d10	11.134

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Quinolinecarboxaldehyde, 3...	161	C10H11NO	002739-16-4	64
2	Cyclopropanamine, 2-phenyl-, tra...	133	C9H11N	000155-09-9	55
3	Cyclopropanamine, 2-phenyl-, tra...	133	C9H11N	000155-09-9	55
4	Quinoline, 1,2,3,4-tetrahydro-	133	C9H11N	000635-46-1	55
5	Quinoline, 1,2,3,4-tetrahydro-	133	C9H11N	000635-46-1	55





ACCUTEST Laboratories T39513

Library Search Compound Report

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Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13807.D
Acq On    : 13 Oct 2009  10:17 pm
Operator  : sheilac
Sample    : t39513-7,4x
Misc      : op13230,Ej633,970,,,1,4,water
ALS Vial  : 25   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
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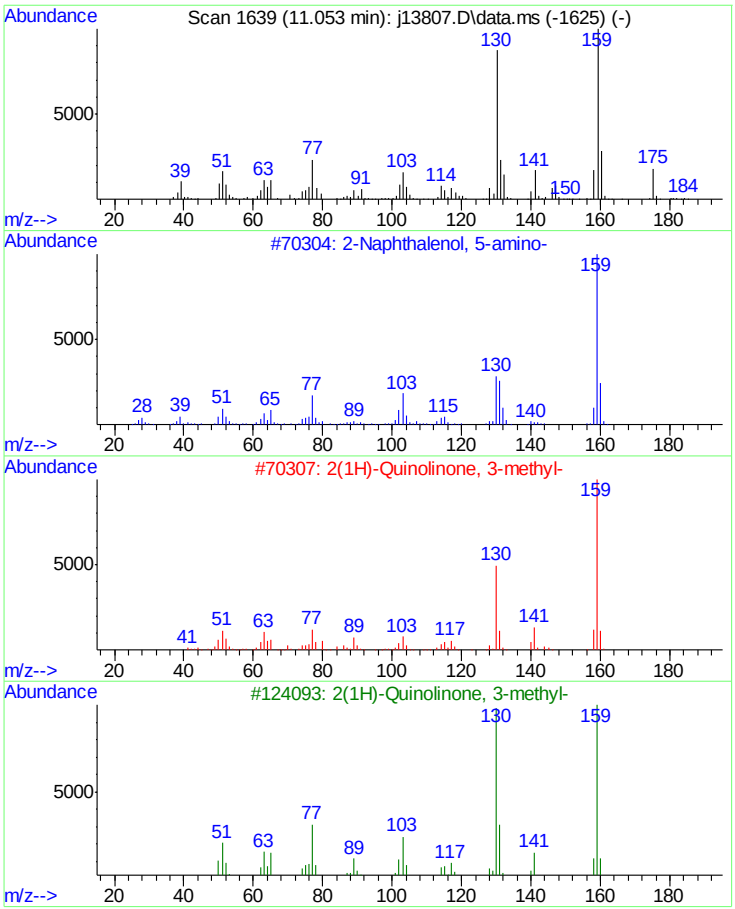
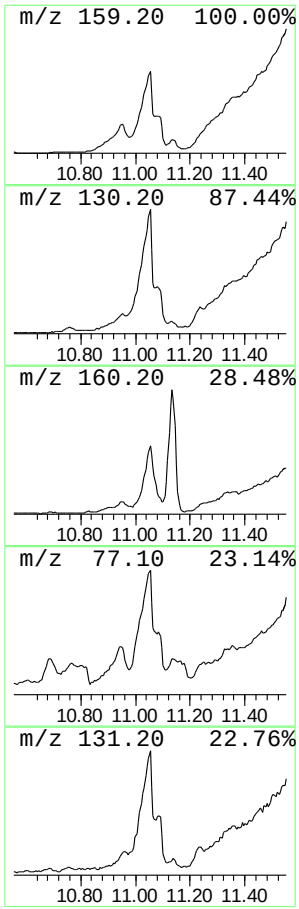
****

Peak Number 19 2-Naphthalenol, 5-amino- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.053	25.64 ug/ml	2931070	Phenanthrene-d10	11.134

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenol, 5-amino-	159	C10H9NO	000086-97-5	93
2	2(1H)-Quinolinone, 3-methyl-	159	C10H9NO	002721-59-7	87
3	2(1H)-Quinolinone, 3-methyl-	159	C10H9NO	002721-59-7	72
4	5-Amino-1-naphthol	159	C10H9NO	000083-55-6	70
5	2(1H)-Quinolinone, 4-methyl-	159	C10H9NO	000607-66-9	68





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13807.D
Acq On : 13 Oct 2009 10:17 pm
Operator : sheilac
Sample : t39513-7,4x
Misc : op13230,Ej633,970,,,1,4,water
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Benzo[h]quinoline Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.246	9.40 ug/ml	1074210	Phenanthrene-d10	11.134

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[h]quinoline	179	C13H9N	000230-27-3	97
2	Benzo[h]quinoline	179	C13H9N	000230-27-3	93
3	Acridine	179	C13H9N	000260-94-6	93
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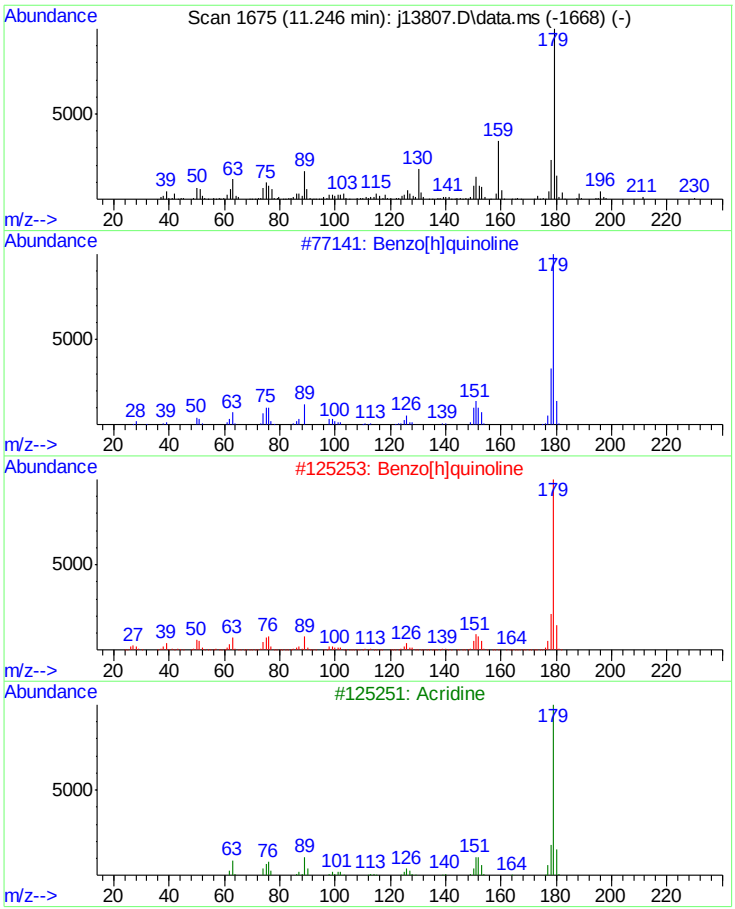
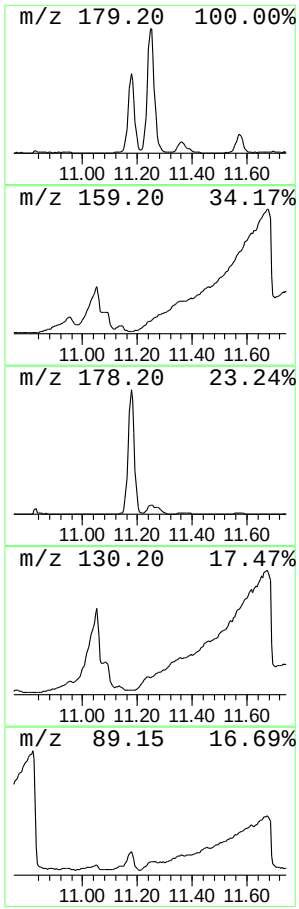
5	Acridine	179	C13H9N	000260-94-6	89





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13807.D
Acq On : 13 Oct 2009 10:17 pm
Operator : sheilac
Sample : t39513-7,4x
Misc : op13230,Ej633,970,,,1,4,water
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

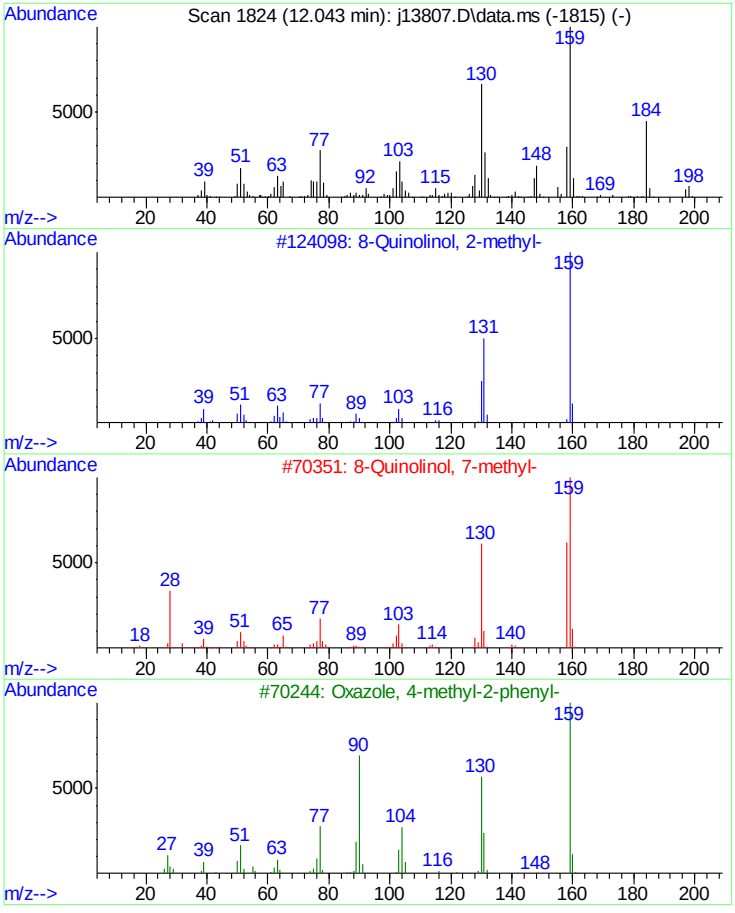
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

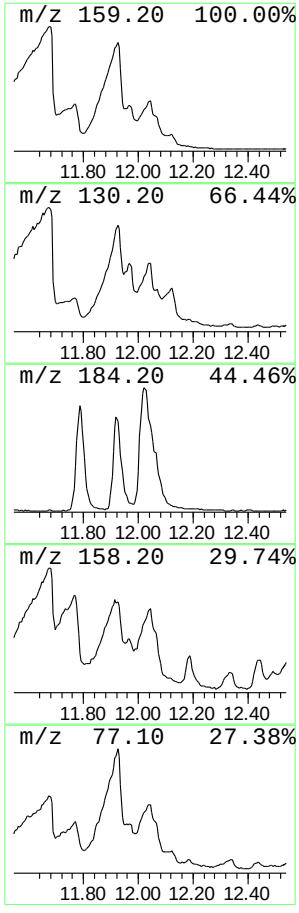
****

Peak Number 21 8-Quinolinol, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.043	26.77 ug/ml	3061120	Phenanthrene-d10	11.134

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Quinolinol, 2-methyl-	159	C10H9NO	000826-81-3	55
2	8-Quinolinol, 7-methyl-	159	C10H9NO	005541-68-4	53
3	Oxazole, 4-methyl-2-phenyl-	159	C10H9NO	000877-39-4	53
4	2(1H)-Quinolinone, 3-methyl-	159	C10H9NO	002721-59-7	52
5	2-Cyclobuten-1-one, 3-(phenylami...	159	C10H9NO	038425-49-9	52





Library Search Compound Report

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Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13807.D
Acq On    : 13 Oct 2009  10:17 pm
Operator  : sheilac
Sample    : t39513-7,4x
Misc      : op13230,Ej633,970,,,1,4,water
ALS Vial  : 25   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

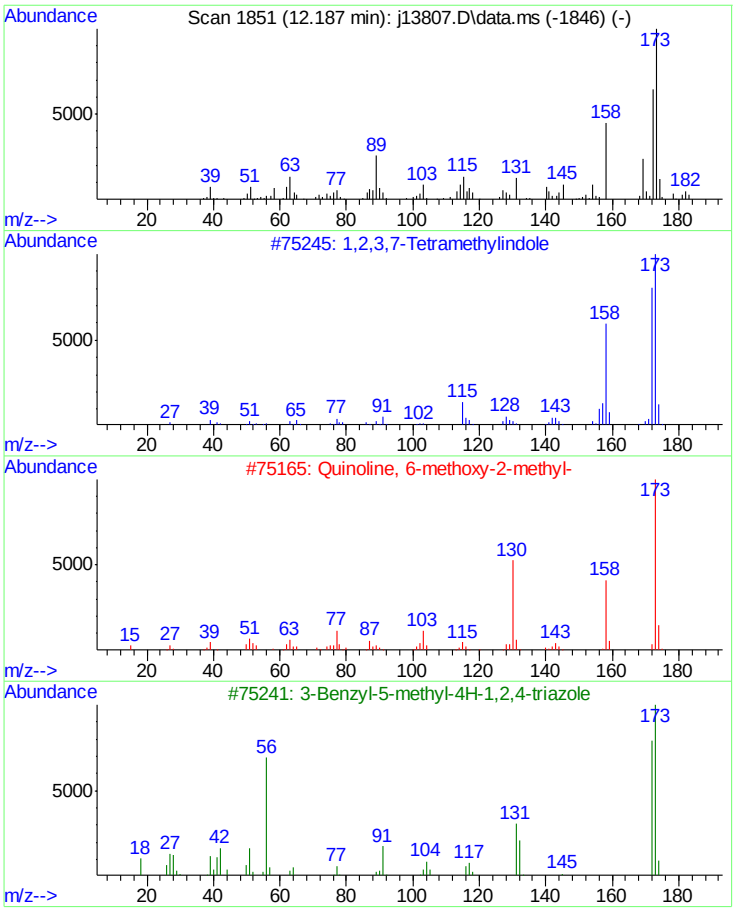
TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
```

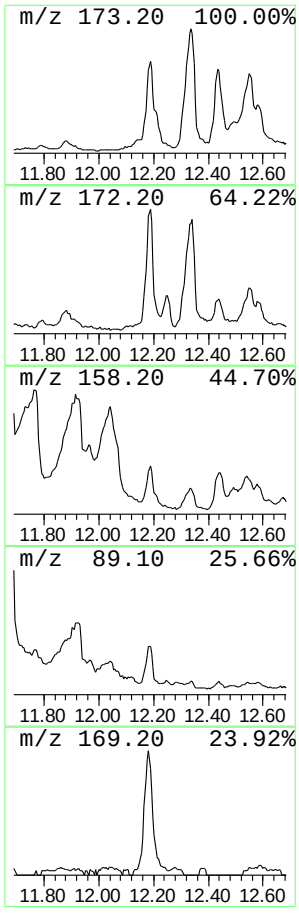
****

Peak Number 22 1,2,3,7-Tetramethylindole Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.187	4.41 ug/ml	504463	Phenanthrene-d10	11.134

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,3,7-Tetramethylindole	173	C12H15N	027505-79-9	68
2	Quinoline, 6-methoxy-2-methyl-	173	C11H11NO	001078-28-0	46
3	3-Benzyl-5-methyl-4H-1,2,4-triazole	173	C10H11N3	016194-97-1	43
4	2,3-Dimethylquinolin-4(1H)-one	173	C11H11NO	058596-45-5	38
5	Oxazole, 2,5-dimethyl-4-phenyl-	173	C11H11NO	020662-92-4	38





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13807.D
Acq On : 13 Oct 2009 10:17 pm
Operator : sheilac
Sample : t39513-7,4x
Misc : op13230,Ej633,970,,,1,4,water
ALS Vial : 25 Sample Multiplier: 1

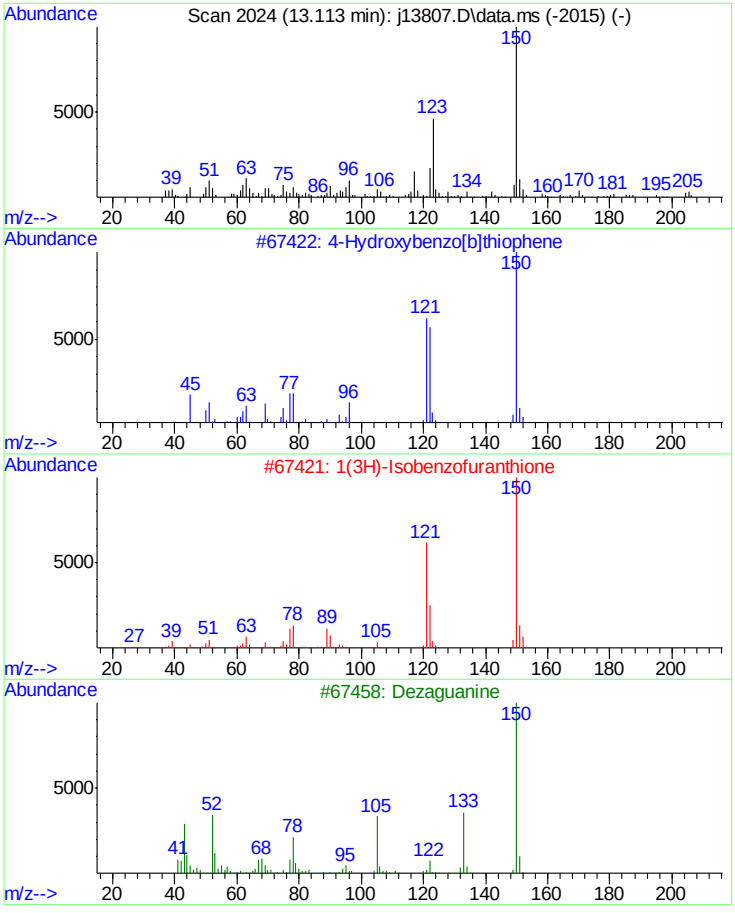
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

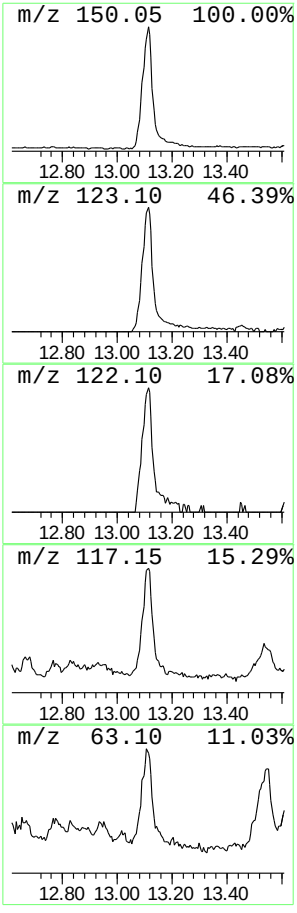
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 4-Hydroxybenzo[b]thiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.113	7.11 ug/ml	813277	Phenanthrene-d10	11.134

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Hydroxybenzo[b]thiophene	150	C8H6OS	003610-02-4	47
2	1(3H)-Isobenzofuranthione	150	C8H6OS	004741-68-8	47
3	Dezaguanine	150	C6H6N4O	041729-52-6	43
4	[1,2,4]Triazolo[1,5-a]pyrimidin-...	150	C6H6N4O	002503-56-2	43
5	2-(Cyclopent-1-enyl)-thiophene	150	C9H10S	1000146-57-9	43





Library Search Compound Report

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Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13807.D
Acq On    : 13 Oct 2009  10:17 pm
Operator  : sheilac
Sample    : t39513-7,4x
Misc      : op13230,Ej633,970,,,1,4,water
ALS Vial  : 25   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
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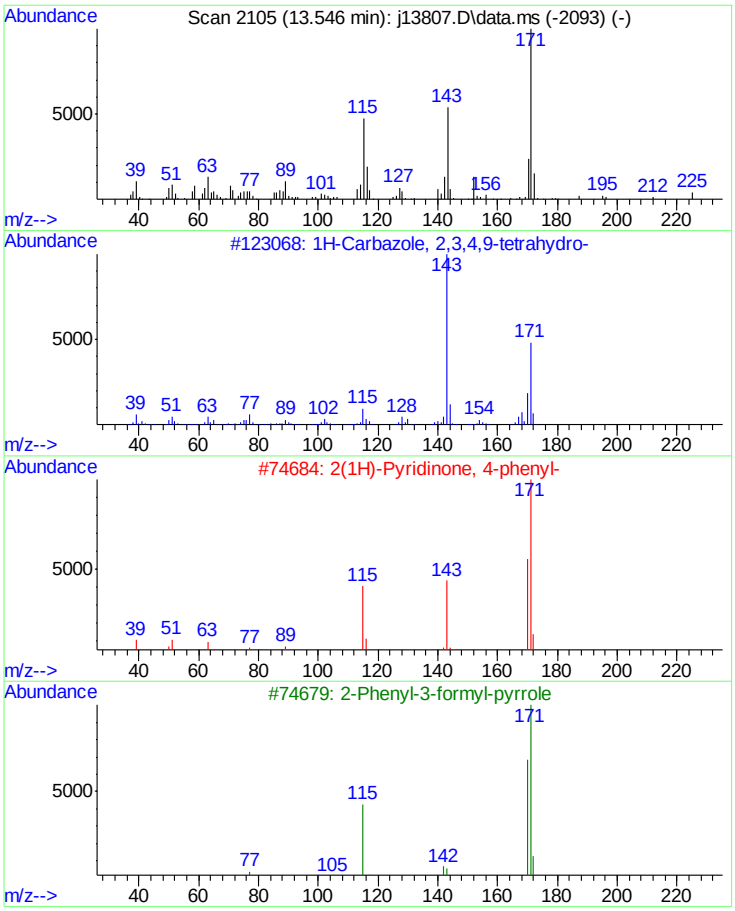
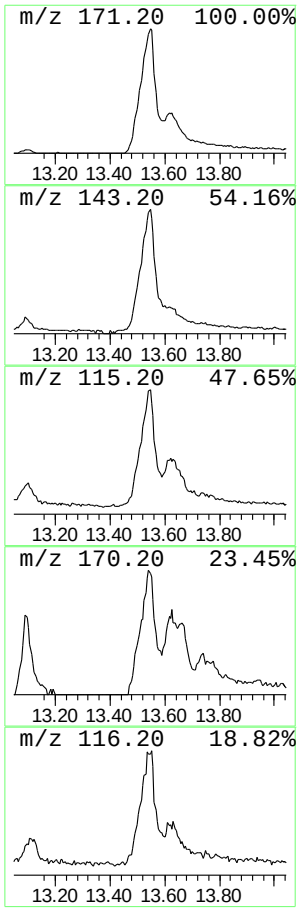
****

Peak Number 24 1H-Carbazole, 2,3,4,9-tetra... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.546	5.67 ug/ml	648098	Phenanthrene-d10	11.134

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Carbazole, 2,3,4,9-tetrahydro-	171	C12H13N	000942-01-8	64
2	2(1H)-Pyridinone, 4-phenyl-	171	C11H9NO	019006-81-6	58
3	2-Phenyl-3-formyl-pyrrole	171	C11H9NO	1000147-01-4	47
4	Isoquinoline, 3-methyl-	143	C10H9N	001125-80-0	46
5	Quinoline, 4-methyl-	143	C10H9N	000491-35-0	41





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13807.D
Acq On : 13 Oct 2009 10:17 pm
Operator : sheilac
Sample : t39513-7,4x
Misc : op13230,Ej633,970,,,1,4,water
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
Benzene, 1,3-di...	3.613	5.3	ug/ml	434797	1	4.699	3298550	40.0
Pyridine, 3,5-d...	4.105	11.7	ug/ml	968248	1	4.699	3298550	40.0
1H-Pyrrole-2-ac...	4.330	7.1	ug/ml	584483	1	4.699	3298550	40.0
Benzofuran	4.587	7.4	ug/ml	610559	1	4.699	3298550	40.0
Indane	4.849	31.1	ug/ml	2565840	1	4.699	3298550	40.0
Indene	4.918	37.0	ug/ml	3047070	1	4.699	3298550	40.0
Biphenyl	7.432	7.7	ug/ml	935807	3	8.352	4846170	40.0
Naphthalene, 2,...	7.801	6.5	ug/ml	784542	3	8.352	4846170	40.0
2-Naphthaleneca...	8.475	12.4	ug/ml	1501570	3	8.352	4846170	40.0
1-Naphthalenol	8.609	26.9	ug/ml	3261780	3	8.352	4846170	40.0
1(3H)-Isobenzof...	8.834	5.1	ug/ml	614744	3	8.352	4846170	40.0
Benzene, 1-bute...	9.053	7.3	ug/ml	883168	3	8.352	4846170	40.0
Benzofuran	9.106	8.1	ug/ml	976740	3	8.352	4846170	40.0
2,3-2H-Quinolin...	9.449	6.1	ug/ml	738226	3	8.352	4846170	40.0
1-Naphthalenol,...	9.577	7.4	ug/ml	893114	3	8.352	4846170	40.0
Quinoline, 1,2,...	9.738	25.7	ug/ml	3116030	3	8.352	4846170	40.0
Quinoline, 5,6,...	10.187	97.5	ug/ml	11152400	4	11.134	4573470	40.0
1(2H)-Quinoline...	10.395	40.1	ug/ml	4586590	4	11.134	4573470	40.0
2-Naphthalenol,...	11.053	25.6	ug/ml	2931070	4	11.134	4573470	40.0
Benzo[h]quinoline	11.246	9.4	ug/ml	1074210	4	11.134	4573470	40.0
8-Quinolinol, 2...	12.043	26.8	ug/ml	3061120	4	11.134	4573470	40.0
1,2,3,7-Tetrame...	12.187	4.4	ug/ml	504463	4	11.134	4573470	40.0
4-Hydroxybenzo[...	13.113	7.1	ug/ml	813277	4	11.134	4573470	40.0
1H-Carbazole, 2...	13.546	5.7	ug/ml	648098	4	11.134	4573470	40.0

Manual Integrations
APPROVED
(compounds with "m" flag)
Richard Rodriguez
10/20/09 08:29

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej635\
Data File : j13845.D
Acq On : 15 Oct 2009 2:51 pm
Operator : sheilac
Sample : t39513-8,40x
Misc : op13230,Ej635,1000,,,1,40,water
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 16 11:41:48 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 16 11:09:16 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.704	152	460310	40.00	ug/ml	-0.02
20) Naphthalene-d8	5.919	136	1623858	40.00	ug/ml	0.02
36) Acenaphthene-d10	8.374	164	980222	40.00	ug/ml	-0.04
57) Phenanthrene-d10	11.155	188	1604552	40.00	ug/ml	-0.05
71) Chrysene-d12	16.685	240	934724	40.00	ug/ml	-0.05
80) Perylene-d12	19.483	264	487207	40.00	ug/ml	-0.04
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.752	112	7945	0.55	ug/ml	0.08
Spiked Amount 100.000	Range 10 - 66		Recovery	=	0.55%#	
5) Phenol-d5 (SURR)	4.523	99	13606	0.75	ug/ml	0.02
Spiked Amount 100.000	Range 10 - 53		Recovery	=	0.75%#	
21) Nitrobenzene-d5 (SURR)	5.207	82	31580	1.85	ug/ml	-0.09
Spiked Amount 50.000	Range 29 - 115		Recovery	=	3.70%#	
40) 2-Fluorobiphenyl (SURR)	7.309	172	21211	0.56	ug/ml	-0.23
Spiked Amount 50.000	Range 34 - 113		Recovery	=	1.12%#	
62) 2,4,6-Tribromophenol (...	9.839	330	4069m	0.75	ug/ml	-0.12
Spiked Amount 100.000	Range 32 - 128		Recovery	=	0.75%#	
74) Terphenyl-d14	14.514	244	18404	0.82	ug/ml	-0.08
Spiked Amount 50.000	Range 12 - 145		Recovery	=	1.64%#	
Target Compounds						Qvalue
3) Pyridine	2.421	79	473307m	34.67	ug/ml	
6) Phenol	4.581	94	27317661m	1398.19	ug/ml	
7) Aniline	4.458	93	1300661	60.45	ug/ml	99
14) 2-Methylphenol	5.015	108	2105536	153.73	ug/ml	96
16) 4-Methylphenol	5.175	108	9881175	681.97	ug/ml#	66
17) m+p-Cresols	5.175	108	9881175	681.97	ug/ml#	66
25) 2,4-Dimethylphenol	5.667	122	639396	50.28	ug/ml	98
30) Naphthalene	5.945	128	4017943	90.85	ug/ml	99
34) 2-Methylnaphthalene	6.785	142	79517	2.94	ug/ml	90
35) 1-Methylnaphthalene	6.951	142	94886m	3.35	ug/ml	
47) Acenaphthene	8.422	154	62216	2.28	ug/ml	94
68) Carbazole	11.700	167	64061	1.73	ug/ml	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

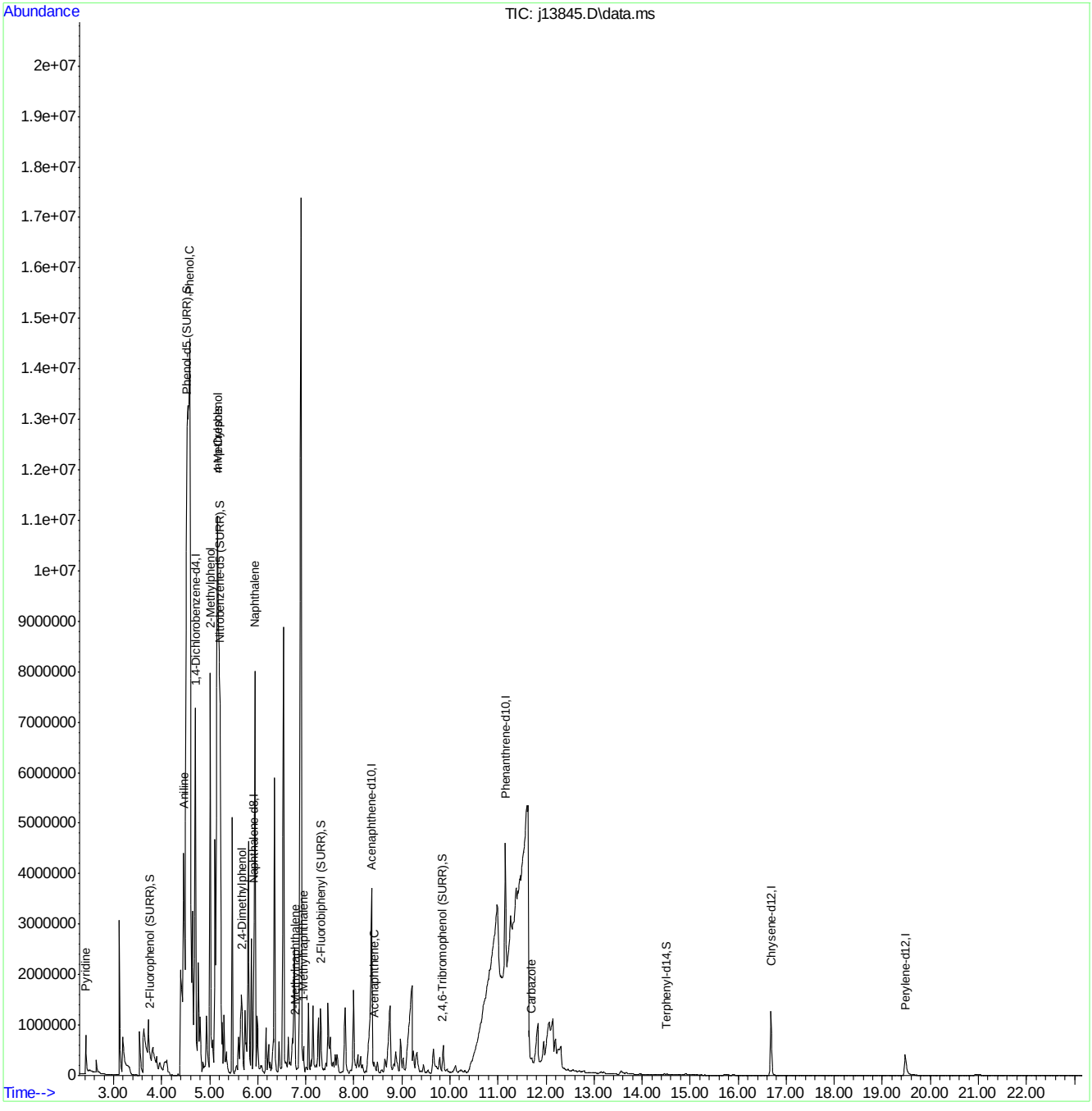
8.1.18

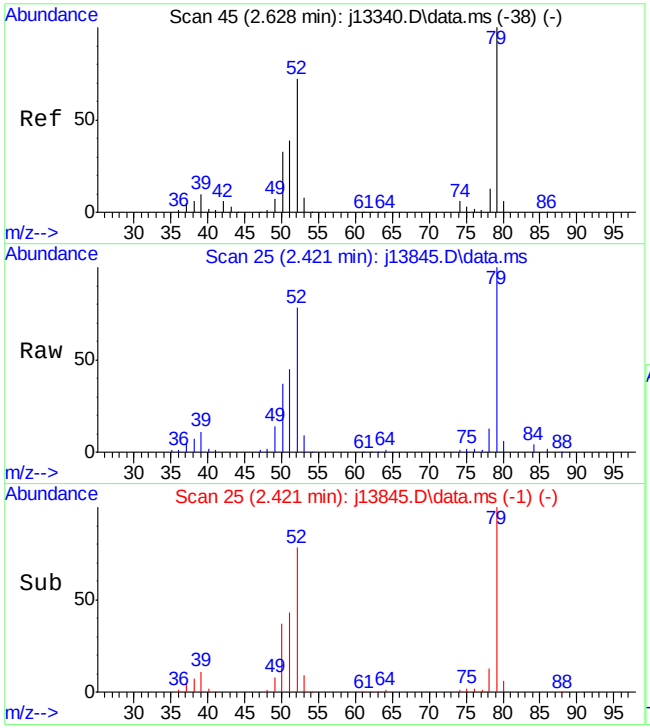
8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej635\
Data File : j13845.D
Acq On : 15 Oct 2009 2:51 pm
Operator : sheilac
Sample : t39513-8,40x
Misc : op13230,Ej635,1000,,,1,40,water
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 16 11:41:48 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 16 11:09:16 2009
Response via : Initial Calibration

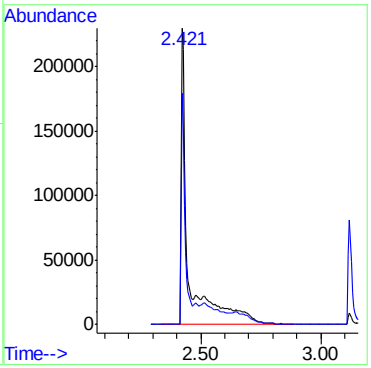


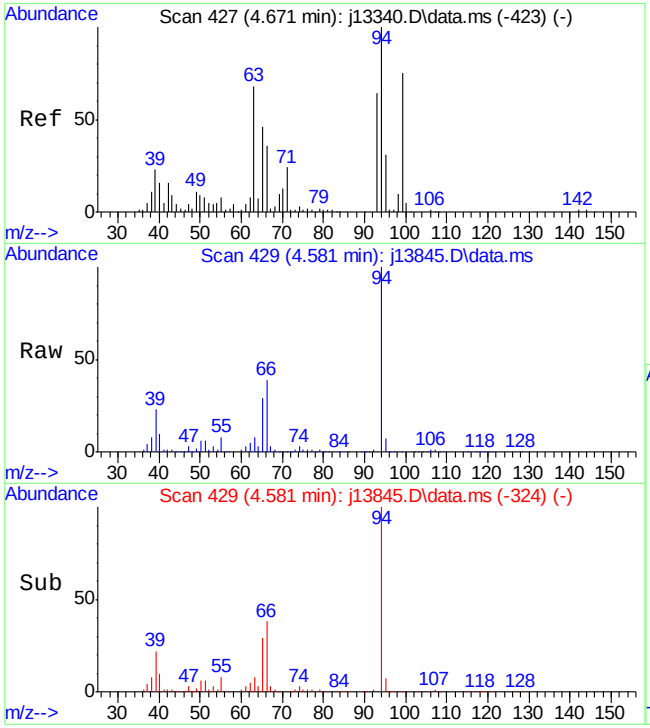


#3
Pyridine
Concen: 34.67 ug/ml m
RT: 2.421 min Scan# 25
Delta R.T. -0.011 min
Lab File: j13845.D
Acq: 15 Oct 2009 2:51 pm

Tgt Ion: 79 Resp: 473307

Ion	Ratio	Lower	Upper
79	100		
52	39.9	52.6	92.6#

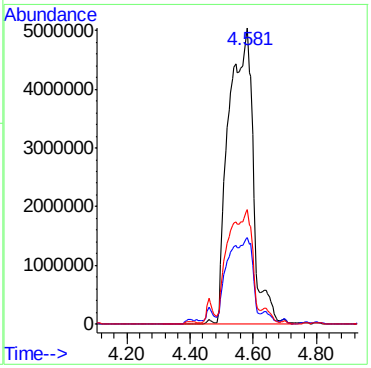


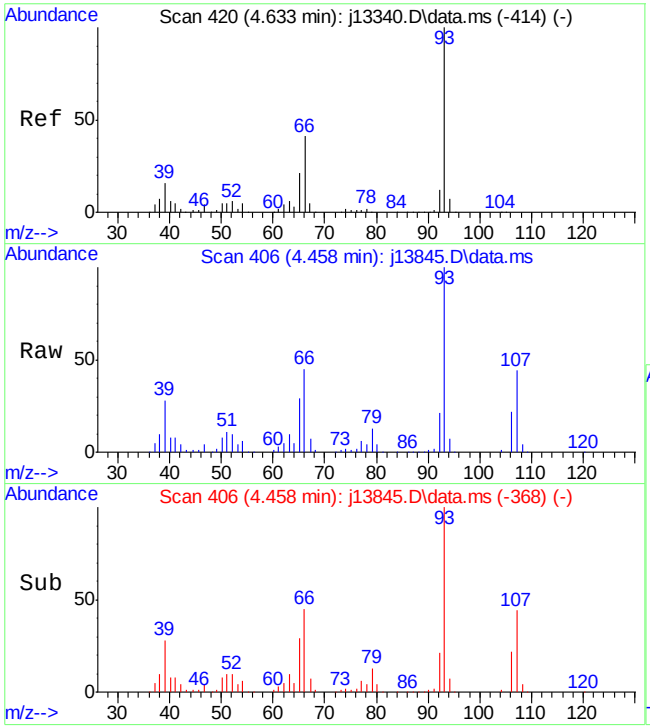


#6
Phenol
Concen: 1398.19 ug/ml m
RT: 4.581 min Scan# 429
Delta R.T. 0.063 min
Lab File: j13845.D
Acq: 15 Oct 2009 2:51 pm

Tgt Ion: 94 Resp:27317661

Ion	Ratio	Lower	Upper
94	100		
65	12.2	35.3	75.3#
66	16.1	37.4	77.4#

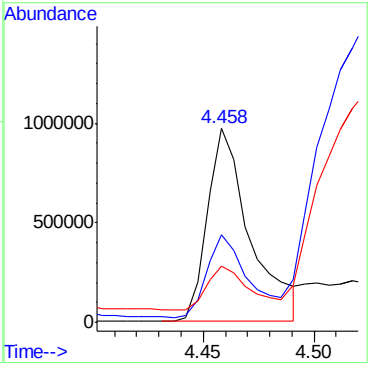


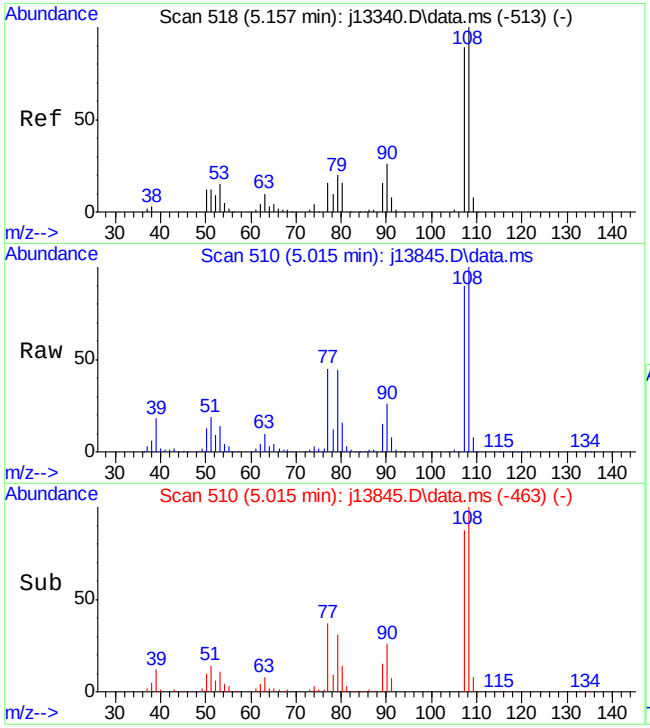


#7
Aniline
Concen: 60.45 ug/ml
RT: 4.458 min Scan# 406
Delta R.T. 0.004 min
Lab File: j13845.D
Acq: 15 Oct 2009 2:51 pm

Tgt Ion: 93 Resp: 1300661

Ion	Ratio	Lower	Upper
93	100		
66	41.8	21.2	61.2
65	22.9	2.0	42.0

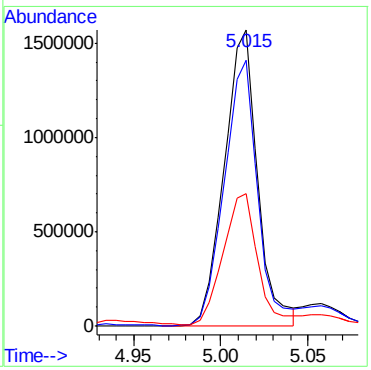


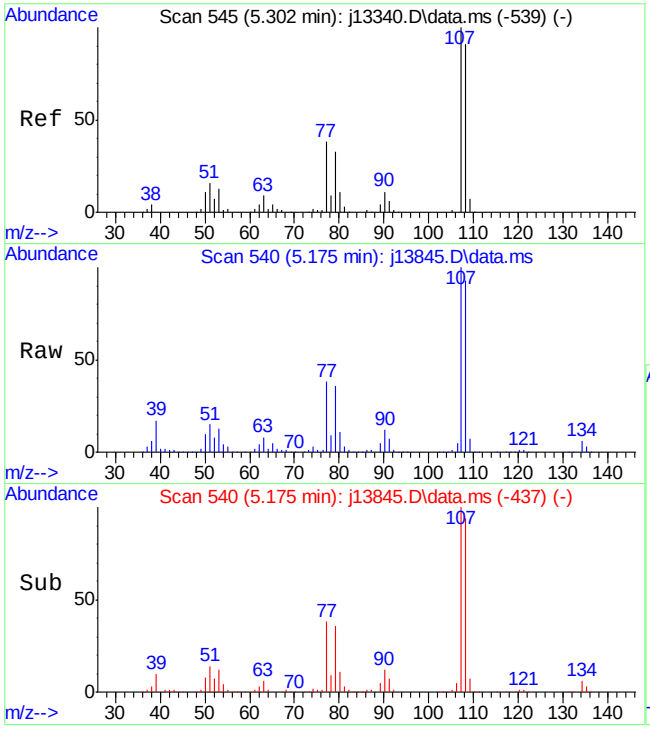


#14
2-Methylphenol
Concen: 153.73 ug/ml
RT: 5.015 min Scan# 510
Delta R.T. 0.053 min
Lab File: j13845.D
Acq: 15 Oct 2009 2:51 pm

Tgt Ion:108 Resp: 2105536

Ion	Ratio	Lower	Upper
108	100		
107	89.4	68.3	108.3
77	45.1	30.8	70.8

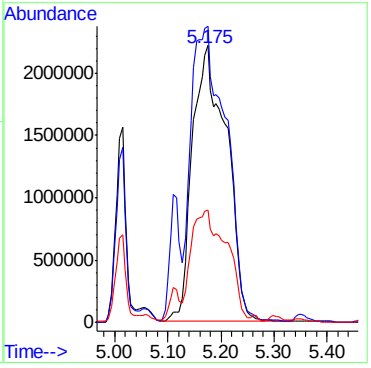


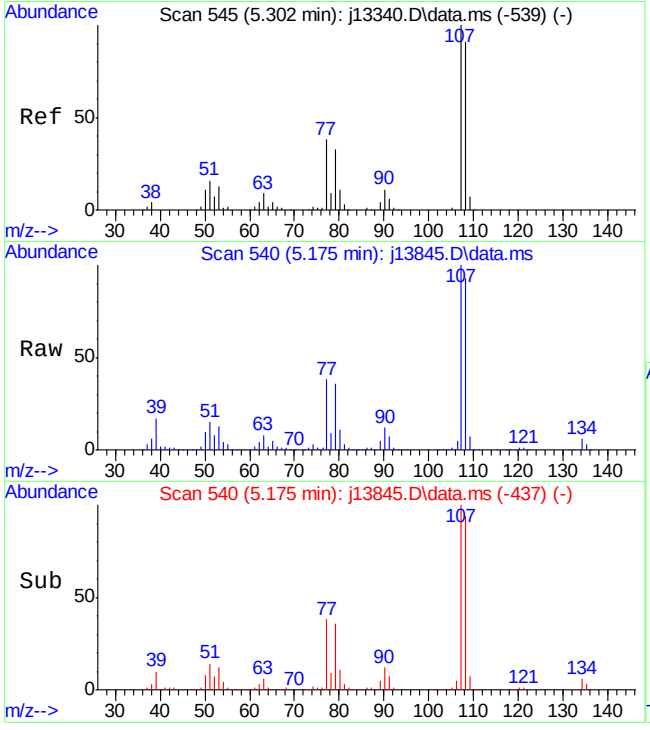


#16
4-Methylphenol
Concen: 681.97 ug/ml
RT: 5.175 min Scan# 540
Delta R.T. 0.053 min
Lab File: j13845.D
Acq: 15 Oct 2009 2:51 pm

Tgt Ion:108 Resp: 9881175

Ion	Ratio	Lower	Upper
108	100		
107	108.6	139.5	179.5#
77	41.2	36.8	76.8

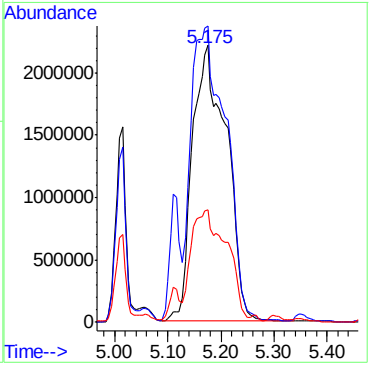


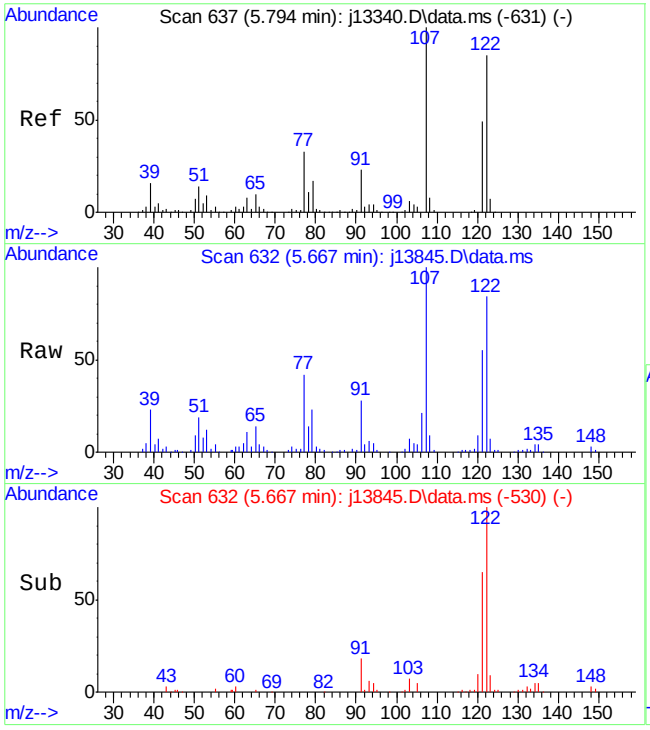


#17
m+p-Cresols
Concen: 681.97 ug/ml
RT: 5.175 min Scan# 540
Delta R.T. 0.053 min
Lab File: j13845.D
Acq: 15 Oct 2009 2:51 pm

Tgt Ion:108 Resp: 9881175

Ion	Ratio	Lower	Upper
108	100		
107	108.6	139.5	179.5#
77	41.2	36.8	76.8

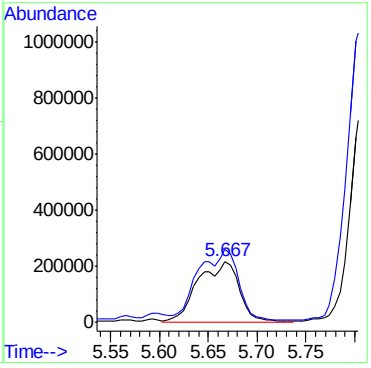


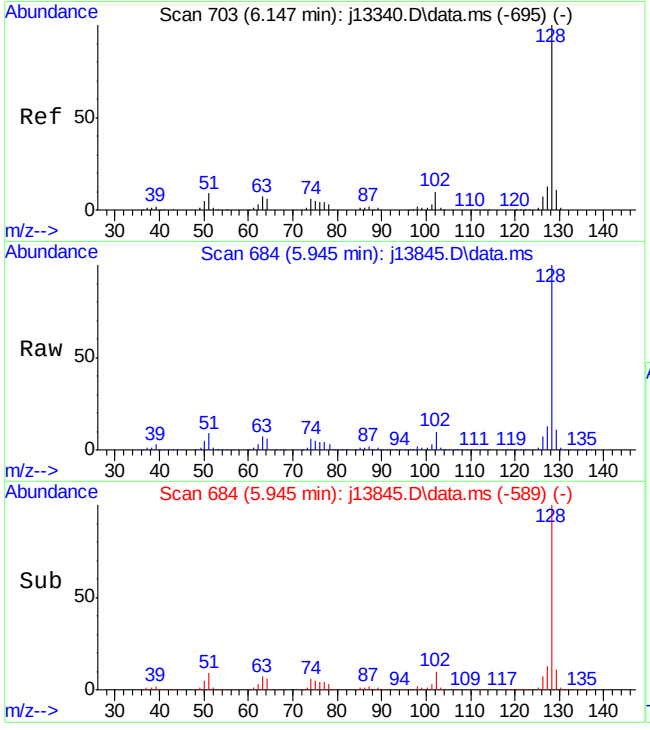


#25
2,4-Dimethylphenol
Concen: 50.28 ug/ml
RT: 5.667 min Scan# 632
Delta R.T. 0.048 min
Lab File: j13845.D
Acq: 15 Oct 2009 2:51 pm

Tgt Ion:122 Resp: 639396

Ion	Ratio	Lower	Upper
122	100		
107	118.4	96.3	136.3

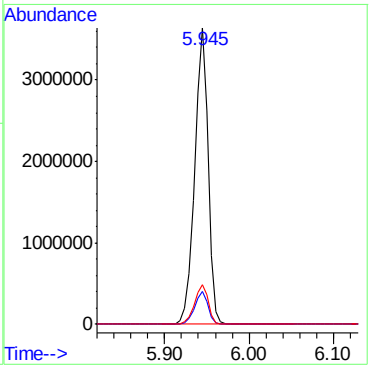


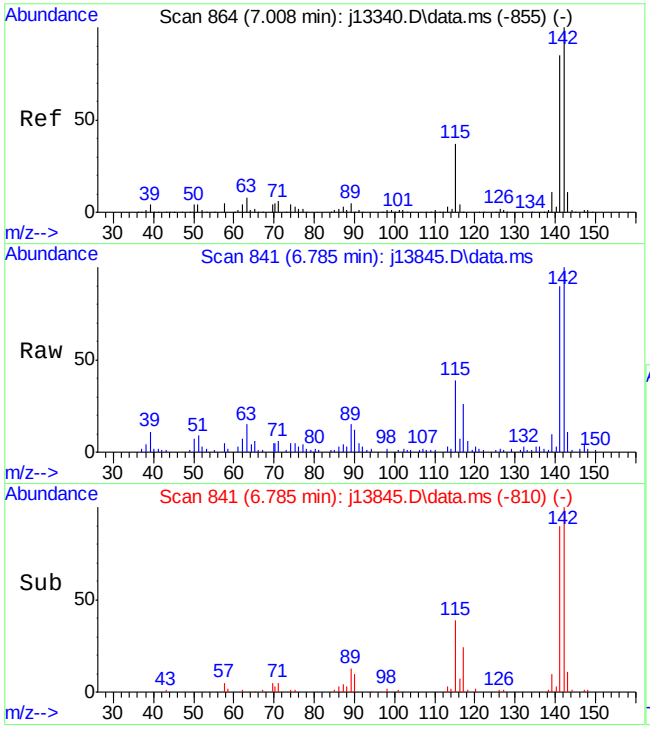


#30
Naphthalene
Concen: 90.85 ug/ml
RT: 5.945 min Scan# 684
Delta R.T. 0.011 min
Lab File: j13845.D
Acq: 15 Oct 2009 2:51 pm

Tgt Ion:128 Resp: 4017943

Ion	Ratio	Lower	Upper
128	100		
129	10.9	0.0	31.2
127	13.5	0.0	33.8

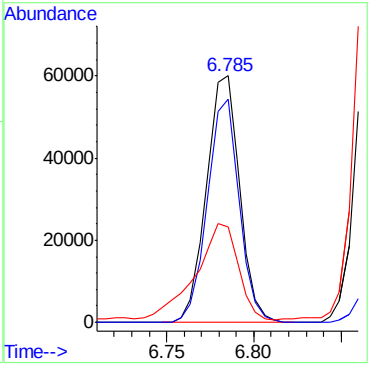


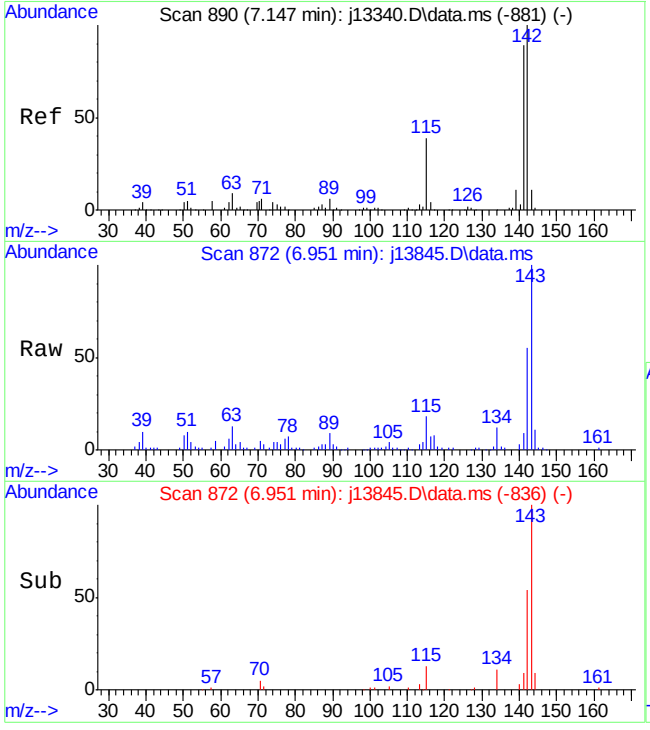


#34
2-Methylnaphthalene
Concen: 2.94 ug/ml
RT: 6.785 min Scan# 841
Delta R.T. -0.032 min
Lab File: j13845.D
Acq: 15 Oct 2009 2:51 pm

Tgt Ion:142 Resp: 79517

Ion	Ratio	Lower	Upper
142	100		
141	86.9	66.2	106.2
115	56.3	17.8	57.8

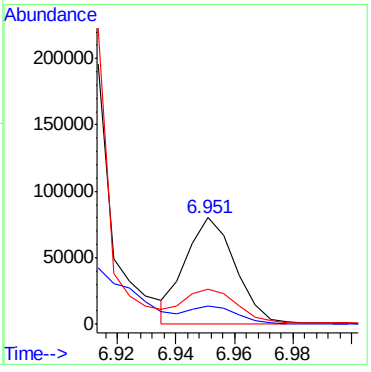


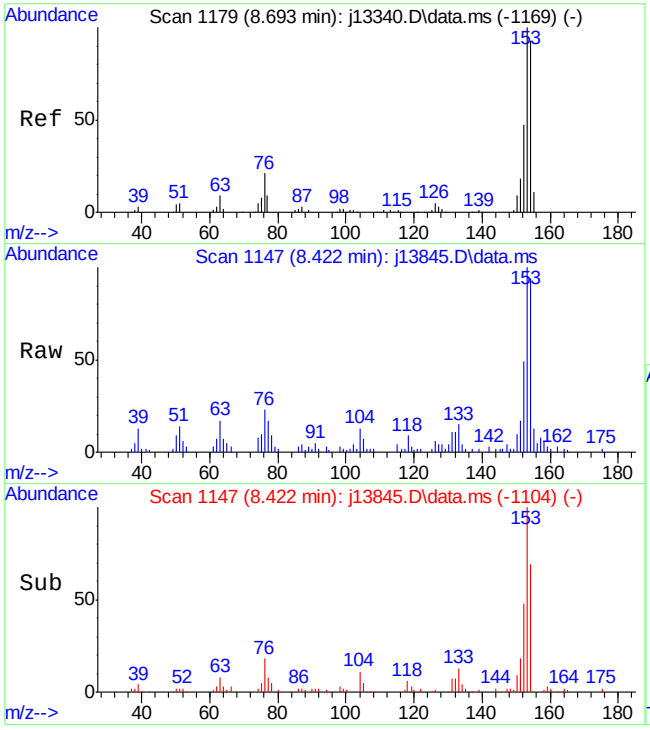


#35
1-Methylnaphthalene
Concen: 3.35 ug/ml m
RT: 6.951 min Scan# 872
Delta R.T. -0.005 min
Lab File: j13845.D
Acq: 15 Oct 2009 2:51 pm

Tgt Ion:142 Resp: 94886

Ion	Ratio	Lower	Upper
142	100		
141	65.9	69.4	109.4#
115	29.2	18.9	58.9

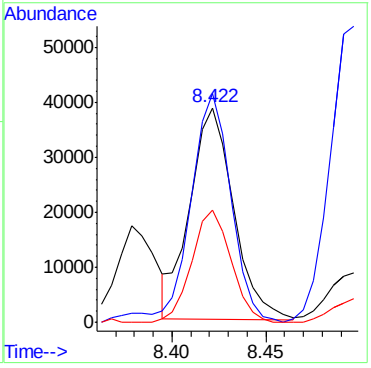


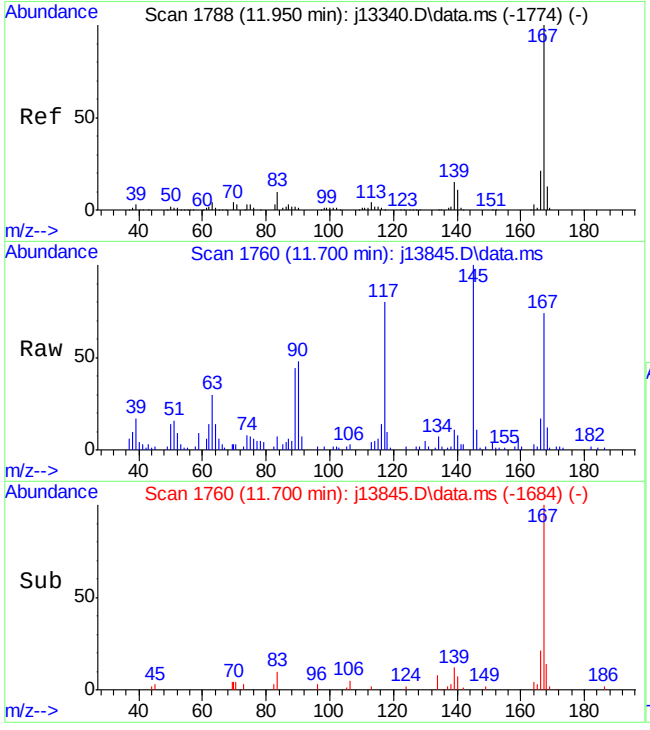


#47
Acenaphthene
Concen: 2.28 ug/ml
RT: 8.422 min Scan# 1147
Delta R.T. -0.272 min
Lab File: j13845.D
Acq: 15 Oct 2009 2:51 pm

Tgt Ion:154 Resp: 62216

Ion	Ratio	Lower	Upper
154	100		
153	101.1	87.9	127.9
152	47.4	31.3	71.3

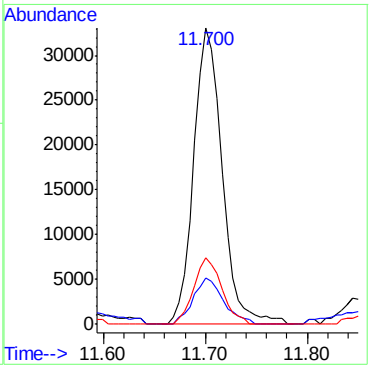




#68
Carbazole
Concen: 1.73 ug/ml
RT: 11.700 min Scan# 1760
Delta R.T. -0.093 min
Lab File: j13845.D
Acq: 15 Oct 2009 2:51 pm

Tgt Ion:167 Resp: 64061

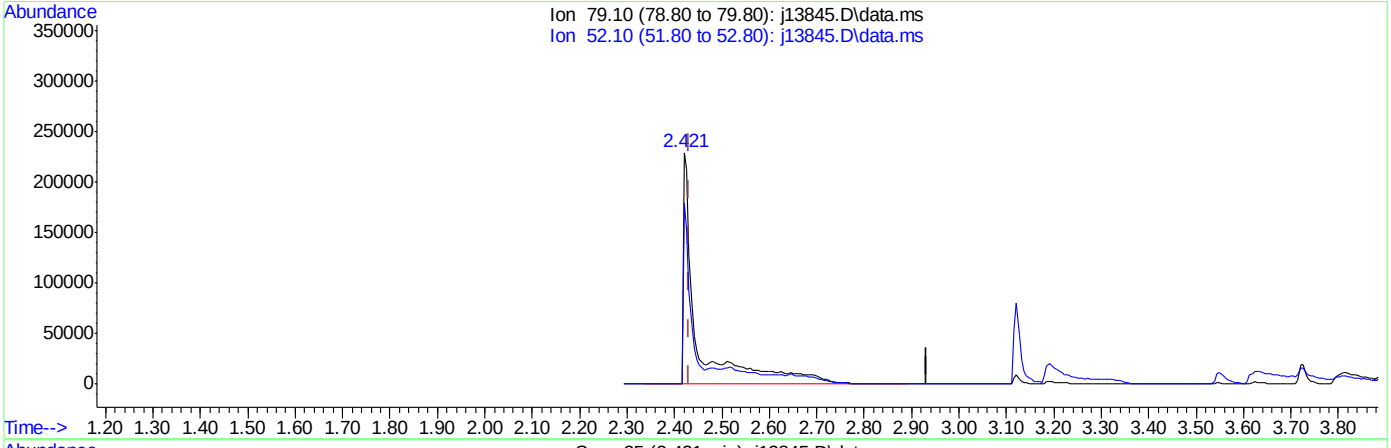
Ion	Ratio	Lower	Upper
167	100		
139	16.6	0.0	34.1
166	21.8	0.9	40.9

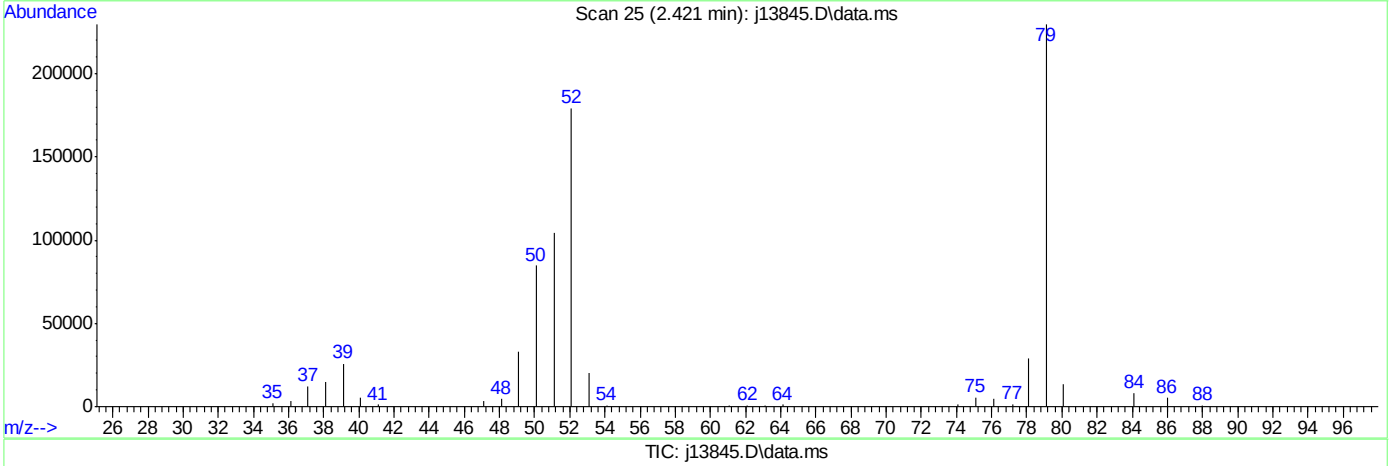


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej635\
Data File : j13845.D
Acq On : 15 Oct 2009 2:51 pm
Operator : sheilac
Sample : t39513-8,40x
Misc : op13230,Ej635,1000,,,1,40,water
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 16 11:41:48 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 16 11:09:16 2009
Response via : Initial Calibration





TIC: j13845.D\data.ms

(3) Pyridine

2.421min (-0.011) 34.67ug/ml m

response 473307

Ion	Exp%	Act%
79.10	100	100
52.10	72.60	39.95#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej635\
Data File : j13845.D
Acq On    : 15 Oct 2009   2:51 pm
Operator  : sheilac
Sample    : t39513-8,40x
Misc      : op13230,Ej635,1000,,,1,40,water
ALS Vial  : 10   Sample Multiplier: 1

Quant Time: Oct 16 11:41:48 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :
QLast Update : Fri Oct 16 11:09:16 2009
Response via : Initial Calibration
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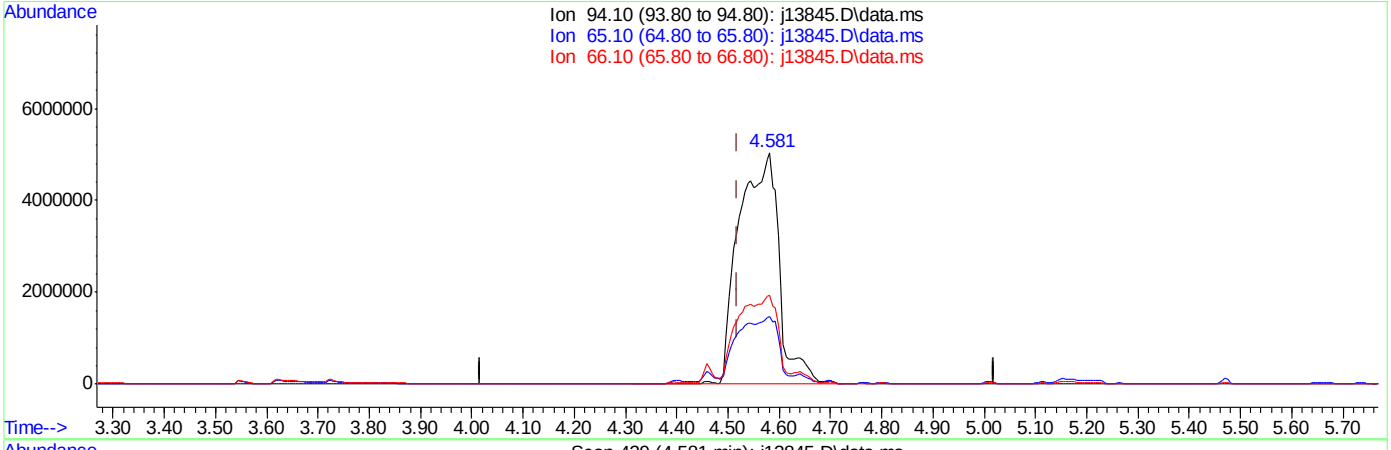
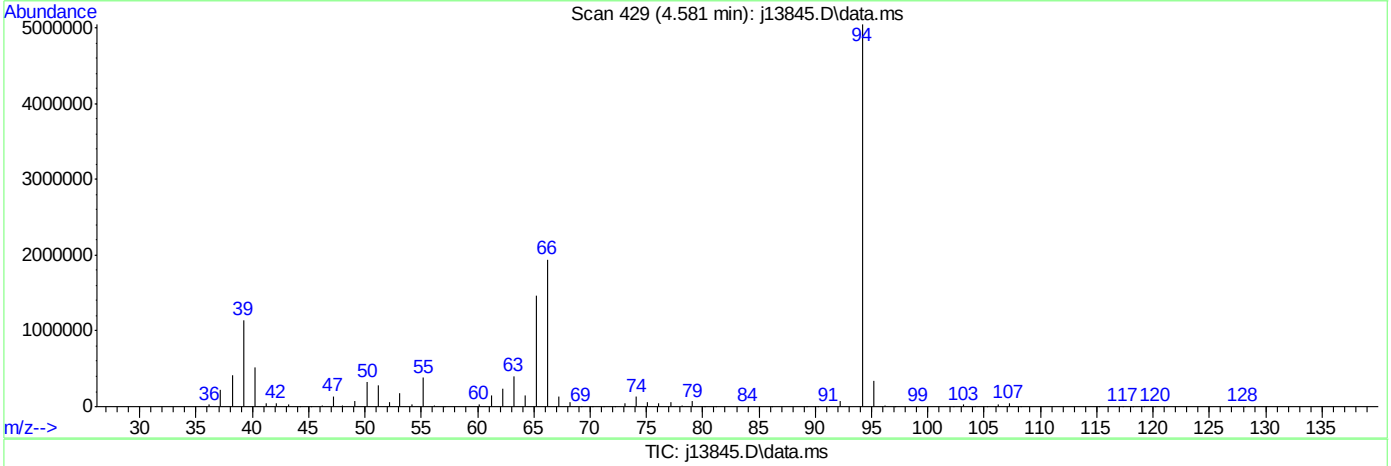




TIC: j13845.D\data.ms

(6) Phenol (C)

4.581min (+0.063) 1398.19ug/ml m

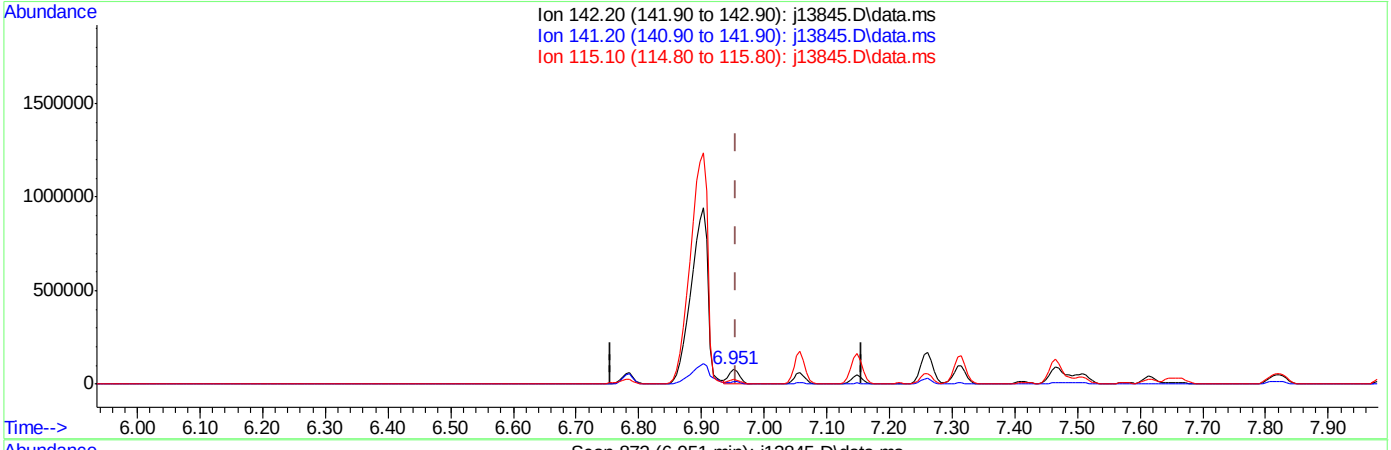
response 27317661

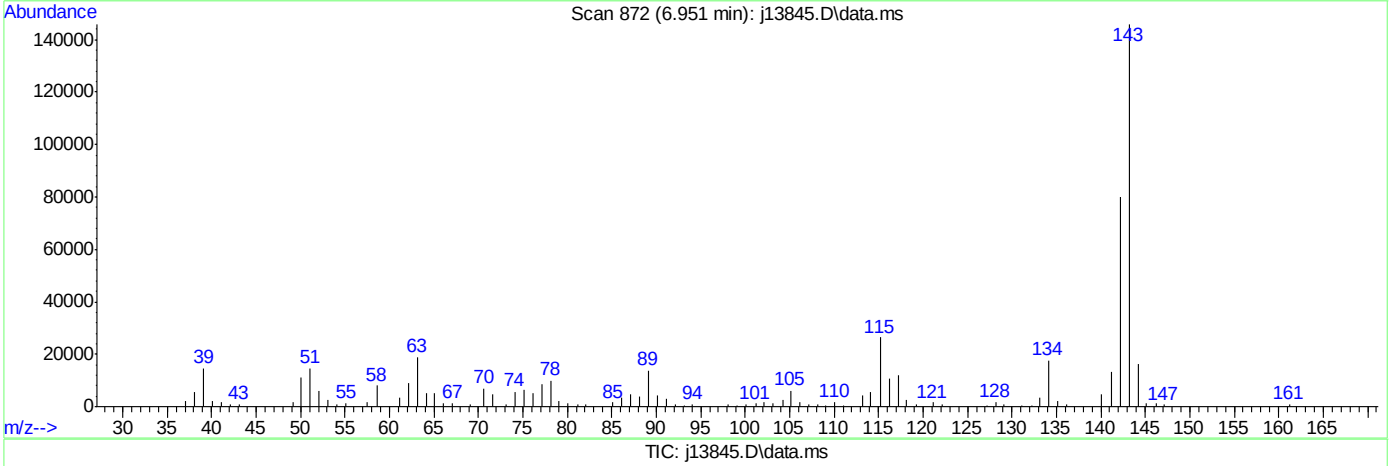
Ion	Exp%	Act%
94.10	100	100
65.10	55.30	12.21#
66.10	57.40	16.14#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej635\
Data File : j13845.D
Acq On : 15 Oct 2009 2:51 pm
Operator : sheilac
Sample : t39513-8,40x
Misc : op13230,Ej635,1000,,,1,40,water
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 16 11:41:48 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 16 11:09:16 2009
Response via : Initial Calibration





TIC: j13845.D\data.ms

(35) 1-Methylnaphthalene

6.951min (-0.005) 3.35ug/ml m

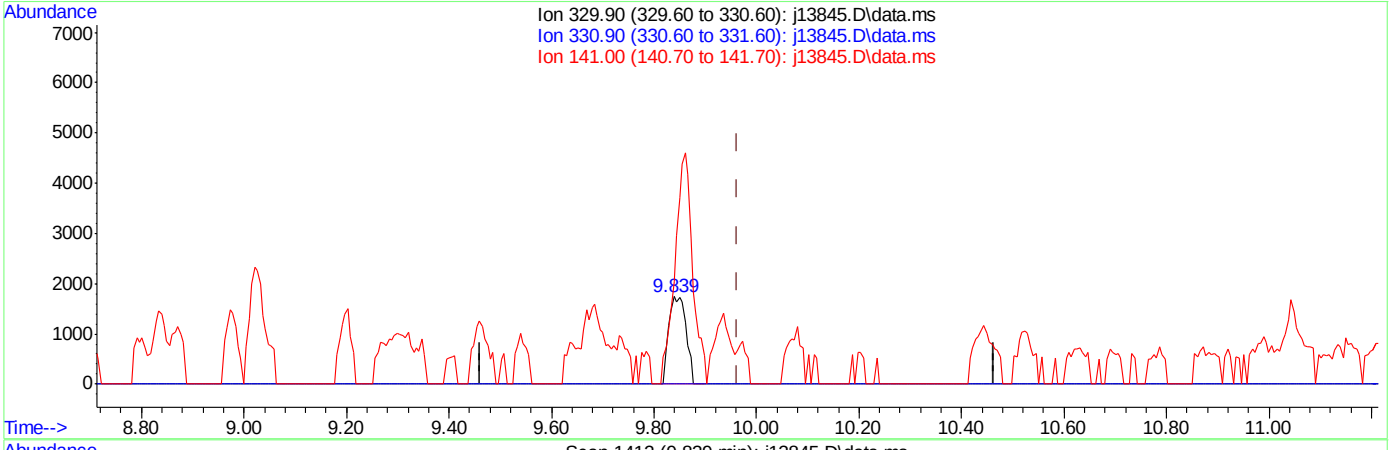
response 94886

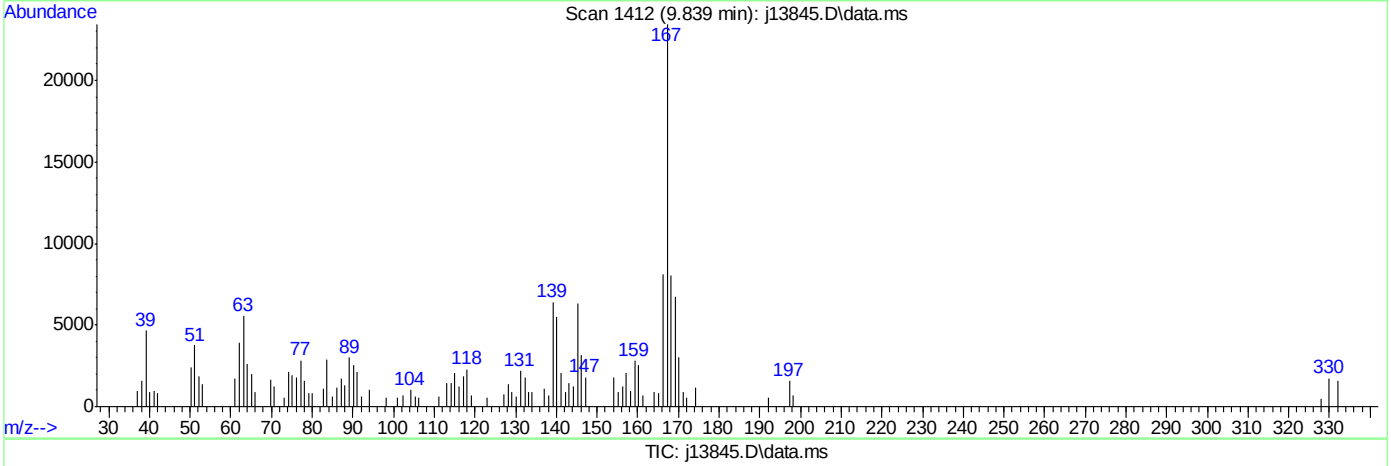
Ion	Exp%	Act%
142.20	100	100
141.20	89.40	65.85#
115.10	38.90	29.24
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej635\
Data File : j13845.D
Acq On : 15 Oct 2009 2:51 pm
Operator : sheilac
Sample : t39513-8,40x
Misc : op13230,Ej635,1000,,,1,40,water
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 16 11:41:48 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 16 11:09:16 2009
Response via : Initial Calibration





(62) 2,4,6-Tribromophenol (SURR) (S)

9.839min (-0.124) 0.75ug/ml m

response 4069

Ion	Exp%	Act%
329.90	100	100
330.90	5.10	0.00
141.00	42.00	0.00#
0.00	0.00	0.00

LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\ej635\
Data File : j13845.D
Acq On : 15 Oct 2009 2:51 pm
Operator : sheilac
Sample : t39513-8,40x
Misc : op13230,Ej635,1000,,,1,40,water
ALS Vial : 10 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 6000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\ej615mg.m
Title :

Signal : TIC: j13845.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.421	24	25	33	rBV	756541	801720	2.39%	0.288%
2	3.121	153	156	166	rBV	3060427	2975604	8.87%	1.069%
3	3.191	166	169	189	rVV	694143	2044238	6.09%	0.734%
4	3.544	232	235	246	rBV	869433	1288253	3.84%	0.463%
5	3.624	246	250	266	rVV2	916746	3972960	11.84%	1.427%
6	3.726	266	269	280	rVV	1084692	2375904	7.08%	0.853%
7	3.817	280	286	298	rVV4	523798	2145358	6.40%	0.770%
8	3.897	298	301	308	rVV	343680	593212	1.77%	0.213%
9	3.956	308	312	325	rVV	200418	668094	1.99%	0.240%
10	4.073	325	334	338	rVV2	211268	708327	2.11%	0.254%
11	4.394	389	394	403	rBV	2083942	6470740	19.29%	2.324%
12	4.458	403	406	411	rBV	2951464	3881532	11.57%	1.394%
13	4.544	411	422	423	rBV	11186084	31865962	95.00%	11.443%
14	4.640	437	440	444	rVB	2248956	2209668	6.59%	0.793%
15	4.699	444	451	458	rVB2	6806187	9723150	28.99%	3.492%
16	4.769	458	464	467	rBV2	1762844	2343028	6.99%	0.841%
17	4.801	467	470	478	rVB	1080872	1799874	5.37%	0.646%
18	4.934	491	495	504	rVB3	1016021	1580009	4.71%	0.567%
19	5.015	504	510	515	rBV	7824597	10506728	31.32%	3.773%
20	5.057	515	518	522	rVB	441002	613062	1.83%	0.220%
21	5.111	522	528	531	rBV	4419207	5953599	17.75%	2.138%
22	5.154	531	536	538	rBV3	8748308	13835078	41.25%	4.968%
23	5.261	554	556	560	rVB	814964	777113	2.32%	0.279%
24	5.298	560	563	567	rVV2	1010400	1058623	3.16%	0.380%
25	5.346	569	572	583	rVB2	402098	696679	2.08%	0.250%
26	5.469	590	595	602	rVB	5088966	5127724	15.29%	1.841%
27	5.555	602	611	615	rBV5	172233	373108	1.11%	0.134%
28	5.598	615	619	623	rVV2	698094	1072370	3.20%	0.385%
29	5.651	623	629	630	rVV	1318994	2092356	6.24%	0.751%
30	5.667	630	632	641	rVV2	1521806	2314460	6.90%	0.831%
31	5.737	641	645	648	rVV	1194397	1719897	5.13%	0.618%
32	5.806	651	658	665	rVV	4531938	7407213	22.08%	2.660%
33	5.865	665	669	674	rVB	2580296	2833937	8.45%	1.018%
34	5.945	680	684	689	rVB	7829486	9149126	27.28%	3.285%

LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\ej635\
Data File : j13845.D
Acq On : 15 Oct 2009 2:51 pm
Operator : sheilac
Sample : t39513-8,40x
Misc : op13230,Ej635,1000,,,1,40,water
ALS Vial : 10 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 6000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\ej615mg.m
Title :

35	5.993	689	693	700	rVB2	1037434	1357148	4.05%	0.487%
36	6.175	721	727	732	rBV	898995	1314634	3.92%	0.472%
37	6.223	732	736	740	rVV	544571	677752	2.02%	0.243%
38	6.320	750	754	755	rVV	610098	707743	2.11%	0.254%
39	6.352	755	760	765	rVB	5751505	7059240	21.05%	2.535%
40	6.443	773	777	783	rBV	602156	846198	2.52%	0.304%
41	6.534	787	794	801	rVV	8725855	12050750	35.93%	4.327%
42	6.635	808	813	817	rBV	607504	793988	2.37%	0.285%
43	6.726	823	830	832	rBV	553125	1000008	2.98%	0.359%
44	6.764	832	837	844	rVB	2415562	3690371	11.00%	1.325%
45	6.903	852	863	869	rBV	17267526	33542470	100.00%	12.045%
46	6.951	869	872	877	rVB	523899	644704	1.92%	0.232%
47	7.058	887	892	898	rVB	1332765	1662604	4.96%	0.597%
48	7.149	904	909	918	rVB	1226396	1692396	5.05%	0.608%
49	7.261	925	930	934	rBV	988857	1263710	3.77%	0.454%
50	7.309	934	939	948	rVB	1217721	1831240	5.46%	0.658%
51	7.464	963	968	973	rVV	1291981	2066964	6.16%	0.742%
52	7.507	973	976	983	rVB3	579017	921728	2.75%	0.331%
53	7.614	991	996	999	rBV2	252354	361916	1.08%	0.130%
54	7.651	999	1003	1017	rVB4	370739	812002	2.42%	0.292%
55	7.817	1023	1034	1041	rBV2	1278956	2666257	7.95%	0.957%
56	7.994	1060	1067	1073	rBV	1595321	2530384	7.54%	0.909%
57	8.079	1079	1083	1087	rBV	273249	360297	1.07%	0.129%
58	8.138	1090	1094	1098	rVV	270785	400834	1.20%	0.144%
59	8.368	1116	1137	1144	rBV2	3653111	9378607	27.96%	3.368%
60	8.422	1144	1147	1155	rVV2	218232	473205	1.41%	0.170%
61	8.491	1155	1160	1170	rVB2	229519	406616	1.21%	0.146%
62	8.646	1183	1189	1194	rBV2	255476	492472	1.47%	0.177%
63	8.753	1195	1209	1218	rVV	1312951	3834424	11.43%	1.377%
64	8.871	1226	1231	1244	rVV3	400636	1099552	3.28%	0.395%
65	8.973	1244	1250	1255	rVV	657757	1056715	3.15%	0.379%
66	9.021	1255	1259	1267	rVV2	270889	524314	1.56%	0.188%
67	9.208	1268	1294	1297	rVV	1715751	7760670	23.14%	2.787%
68	9.240	1297	1300	1305	rVV	427187	686381	2.05%	0.246%
69	9.315	1305	1314	1325	rVB8	388170	1196762	3.57%	0.430%
70	9.657	1368	1378	1385	rBV	482951	1181311	3.52%	0.424%
71	9.786	1396	1402	1409	rVB	278818	515406	1.54%	0.185%

LSC Area Percent Report

```
Data Path : C:\msdchem\1\DATA\ej635\
Data File : j13845.D
Acq On    : 15 Oct 2009   2:51 pm
Operator  : sheilac
Sample    : t39513-8,40x
Misc      : op13230,Ej635,1000,,,1,40,water
ALS Vial  : 10   Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON                          Filtering: 5
Sampling  : 1                            Min Area: 6000 Area counts
Start Thrs: 0.2                         Max Peaks: 100
Stop Thrs : 0                       Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method    : C:\msdchem\1\METHODS\ej615mg.m
Title     :
```

72	9.860	1409	1416	1424	rVB	520811	927368	2.76%	0.333%
73	10.117	1454	1464	1473	rVB5	134554	376298	1.12%	0.135%
74	10.716	1514	1576	1577	rBV3	1390521	12156701	36.24%	4.365%
75	11.155	1652	1658	1663	rBV	2538866	4037189	12.04%	1.450%
76	11.652	1750	1751	1754	rVB	520127	347185	1.04%	0.125%
77	11.829	1770	1784	1792	rVB	777789	2059831	6.14%	0.740%
78	11.957	1803	1808	1811	rVB	267154	377536	1.13%	0.136%
79	12.059	1815	1827	1833	rBV4	541088	2113893	6.30%	0.759%
80	12.198	1848	1853	1857	rVB2	292113	448555	1.34%	0.161%
81	16.685	2682	2692	2710	rBV	1282165	2591971	7.73%	0.931%
82	19.477	3205	3214	3233	rBV	414090	1198985	3.57%	0.431%

Sum of corrected areas: 278475991

LSC Report - Integrated Chromatogram

```
Data Path : C:\msdchem\1\DATA\ej635\
Data File : j13845.D
Acq On    : 15 Oct 2009   2:51 pm
Operator  : sheilac
Sample    : t39513-8,40x
Misc      : op13230,Ej635,1000,,,1,40,water
ALS Vial  : 10   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
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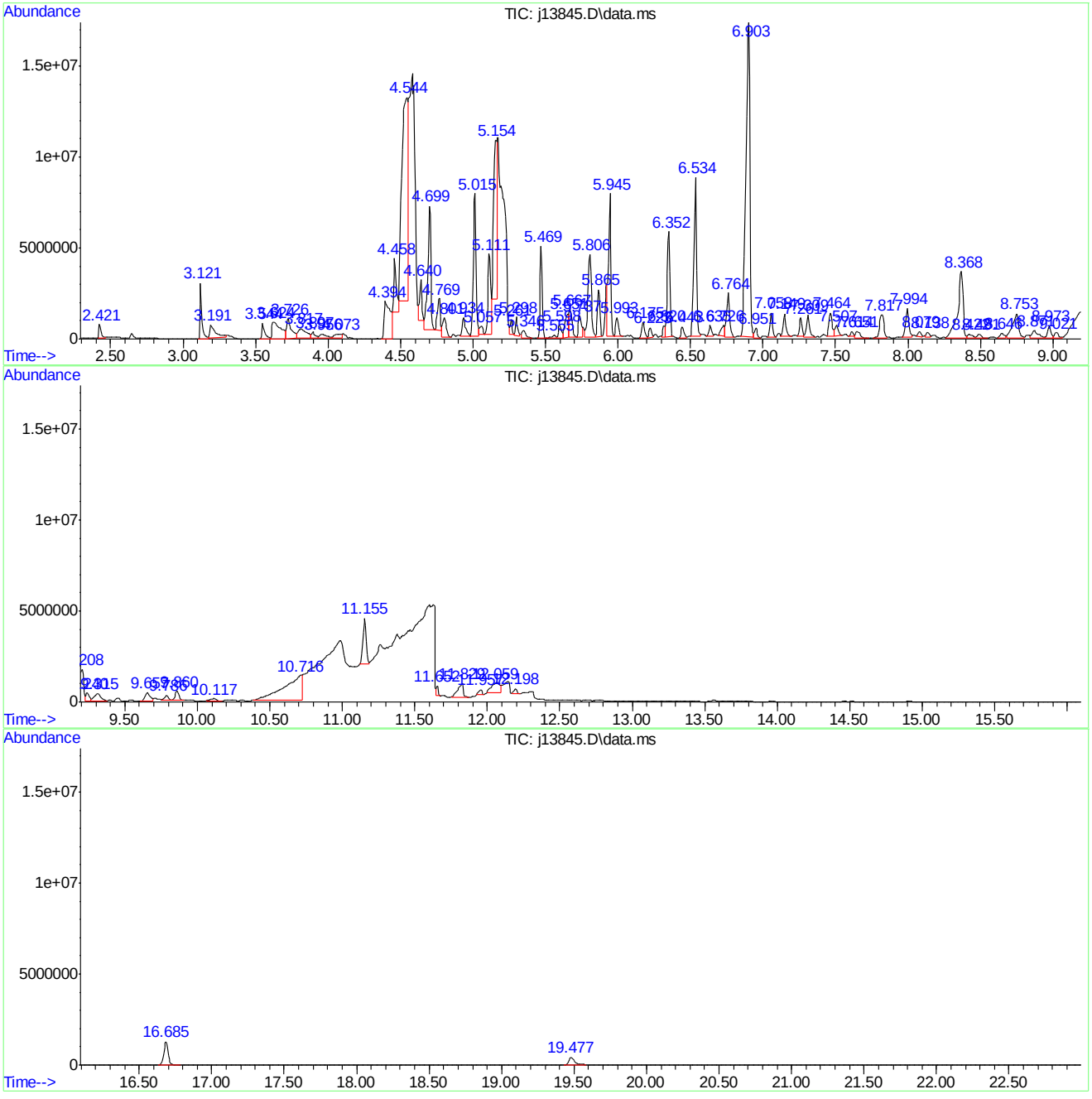


Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej635\
Data File : j13845.D
Acq On : 15 Oct 2009 2:51 pm
Operator : sheilac
Sample : t39513-8,40x
Misc : op13230,Ej635,1000,,,1,40,water
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

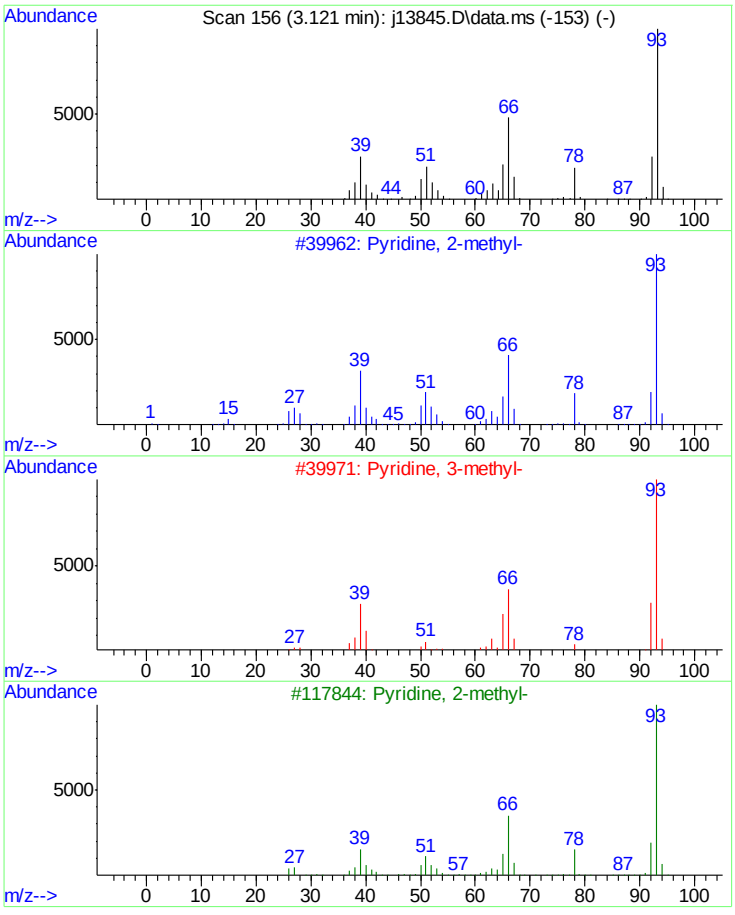
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

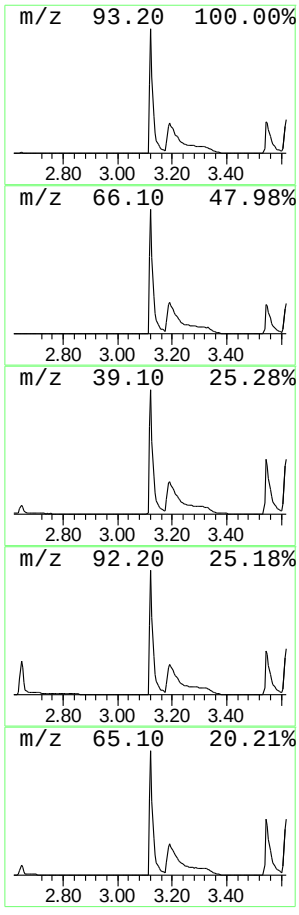
****

Peak Number 1 Pyridine, 3-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.121	12.24 ug/ml	2975600	1,4-Dichlorobenzene-d4	4.704

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 2-methyl-	93	C6H7N	000109-06-8	97
2	Pyridine, 3-methyl-	93	C6H7N	000108-99-6	94
3	Pyridine, 2-methyl-	93	C6H7N	000109-06-8	94
4	Pyridine, 4-methyl-	93	C6H7N	000108-89-4	91
5	Pyridine, 4-methyl-	93	C6H7N	000108-89-4	91





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej635\
Data File : j13845.D
Acq On : 15 Oct 2009 2:51 pm
Operator : sheilac
Sample : t39513-8,40x
Misc : op13230,Ej635,1000,,,1,40,water
ALS Vial : 10 Sample Multiplier: 1

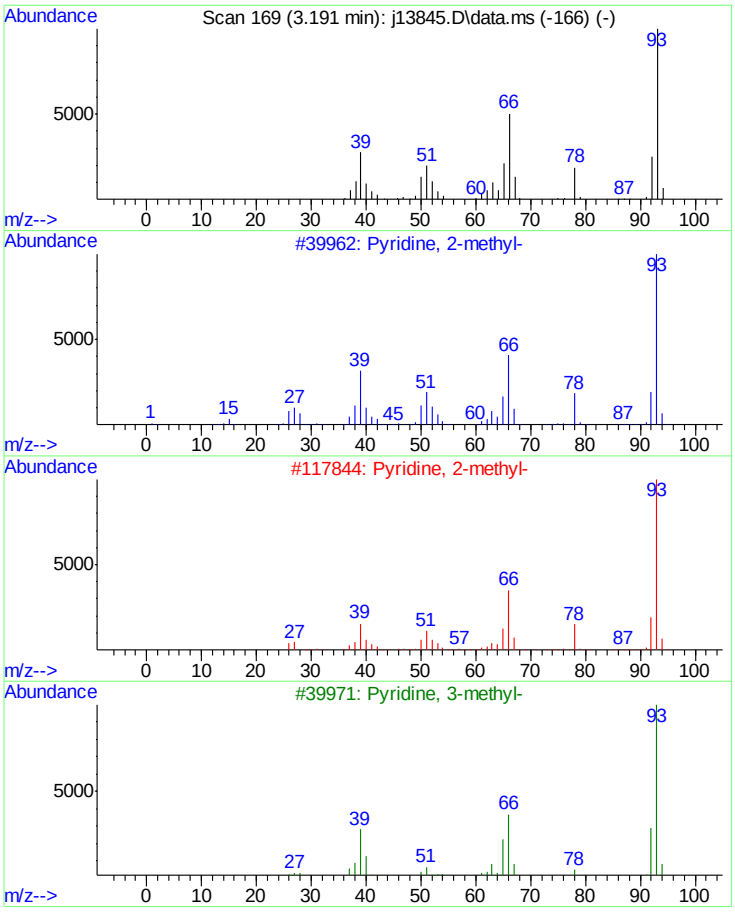
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

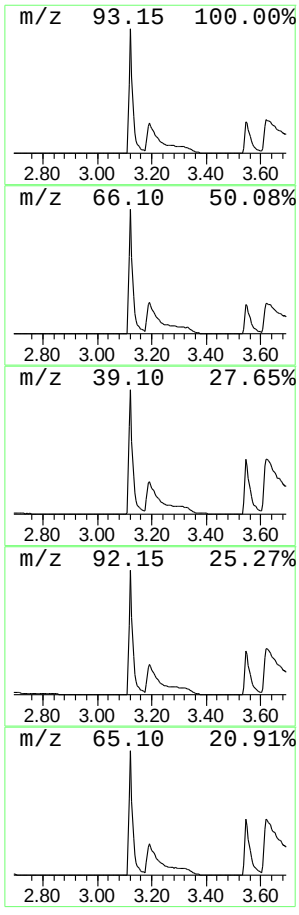
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Pyridine, 2-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.191	8.41 ug/ml	2044240	1,4-Dichlorobenzene-d4	4.704

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 2-methyl-	93	C6H7N	000109-06-8	97
2	Pyridine, 2-methyl-	93	C6H7N	000109-06-8	95
3	Pyridine, 3-methyl-	93	C6H7N	000108-99-6	94
4	Pyridine, 4-methyl-	93	C6H7N	000108-89-4	91
5	Pyridine, 2-methyl-	93	C6H7N	000109-06-8	91





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej635\
Data File : j13845.D
Acq On : 15 Oct 2009 2:51 pm
Operator : sheilac
Sample : t39513-8,40x
Misc : op13230,Ej635,1000,,,1,40,water
ALS Vial : 10 Sample Multiplier: 1

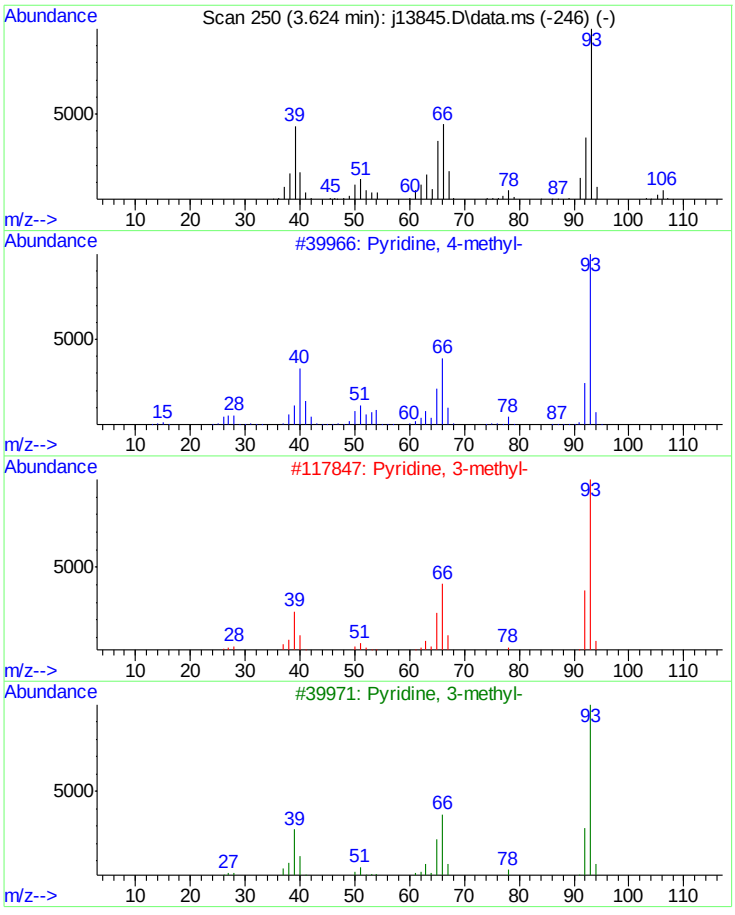
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

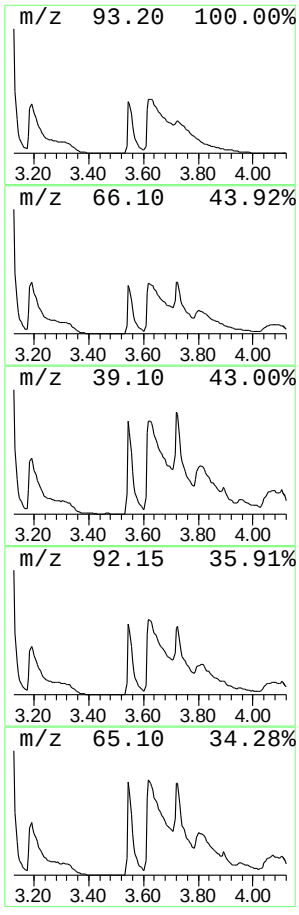
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Pyridine, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.624	16.34 ug/ml	3972960	1,4-Dichlorobenzene-d4	4.704

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 4-methyl-	93	C6H7N	000108-89-4	93
2	Pyridine, 3-methyl-	93	C6H7N	000108-99-6	93
3	Pyridine, 3-methyl-	93	C6H7N	000108-99-6	91
4	Pyridine, 4-methyl-	93	C6H7N	000108-89-4	83
5	Pyridine, 4-methyl-	93	C6H7N	000108-89-4	80





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej635\
Data File : j13845.D
Acq On : 15 Oct 2009 2:51 pm
Operator : sheilac
Sample : t39513-8,40x
Misc : op13230,Ej635,1000,,,1,40,water
ALS Vial : 10 Sample Multiplier: 1

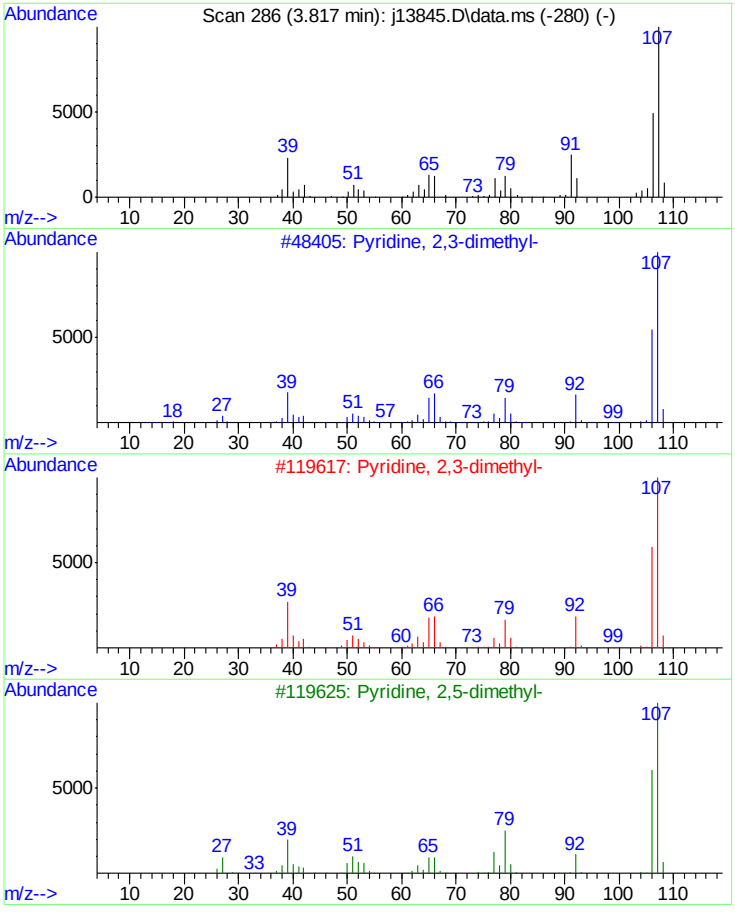
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

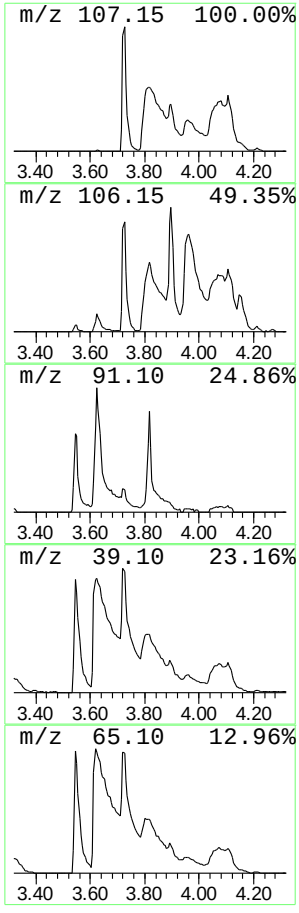
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Pyridine, 2,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.817	8.83 ug/ml	2145360	1,4-Dichlorobenzene-d4	4.704

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 2,3-dimethyl-	107	C7H9N	000583-61-9	91
2	Pyridine, 2,3-dimethyl-	107	C7H9N	000583-61-9	91
3	Pyridine, 2,5-dimethyl-	107	C7H9N	000589-93-5	90
4	Pyridine, 2,3-dimethyl-	107	C7H9N	000583-61-9	90
5	Pyridine, 2,5-dimethyl-	107	C7H9N	000589-93-5	86





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej635\
Data File : j13845.D
Acq On : 15 Oct 2009 2:51 pm
Operator : sheilac
Sample : t39513-8,40x
Misc : op13230,Ej635,1000,,,1,40,water
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

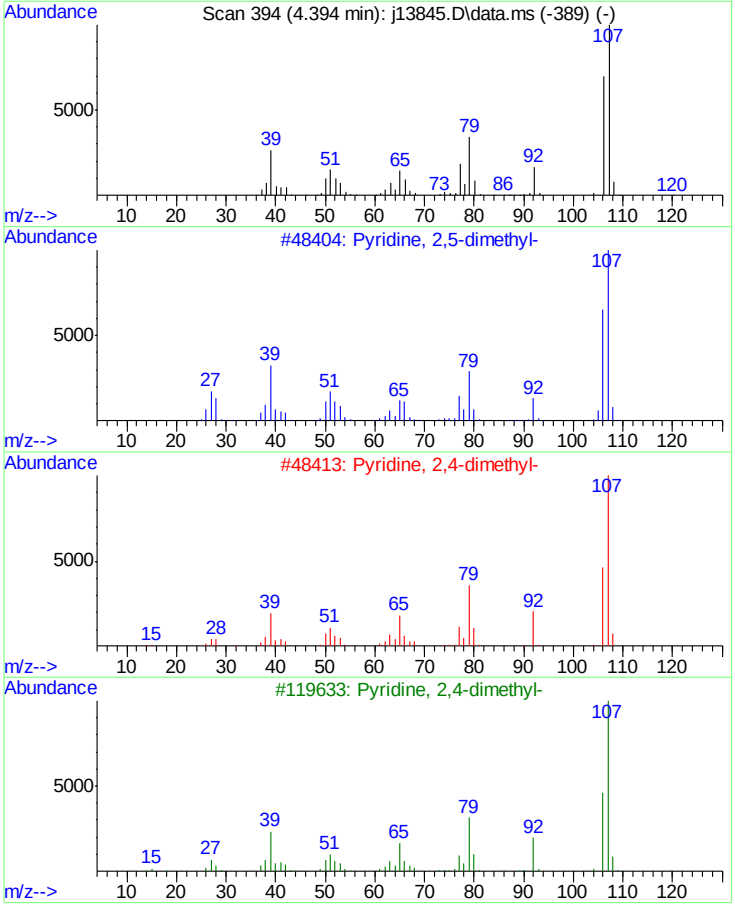
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

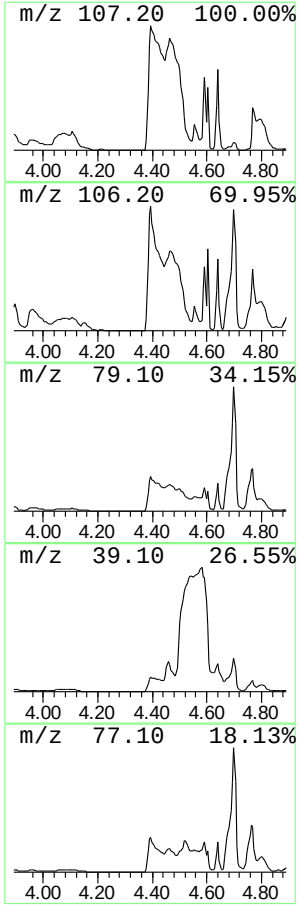
****

Peak Number 5 Pyridine, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.394	26.62 ug/ml	6470740	1,4-Dichlorobenzene-d4	4.704

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 2,5-dimethyl-	107	C7H9N	000589-93-5	96
2	Pyridine, 2,4-dimethyl-	107	C7H9N	000108-47-4	95
3	Pyridine, 2,4-dimethyl-	107	C7H9N	000108-47-4	94
4	Pyridine, 2,5-dimethyl-	107	C7H9N	000589-93-5	94
5	Pyridine, 3,5-dimethyl-	107	C7H9N	000591-22-0	93





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej635\
Data File : j13845.D
Acq On : 15 Oct 2009 2:51 pm
Operator : sheilac
Sample : t39513-8,40x
Misc : op13230,Ej635,1000,,,1,40,water
ALS Vial : 10 Sample Multiplier: 1

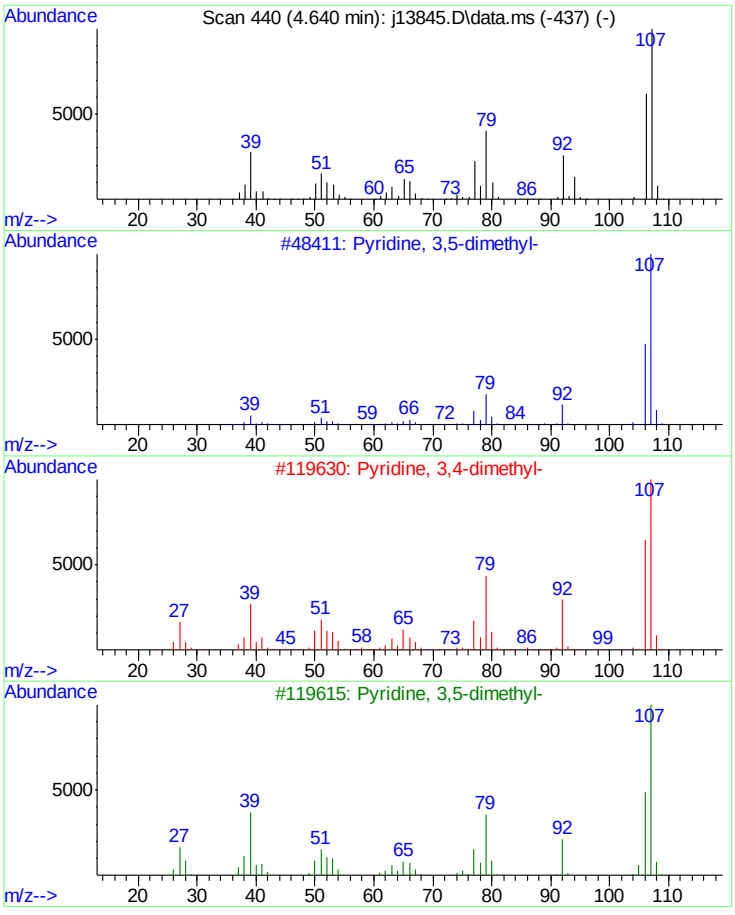
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

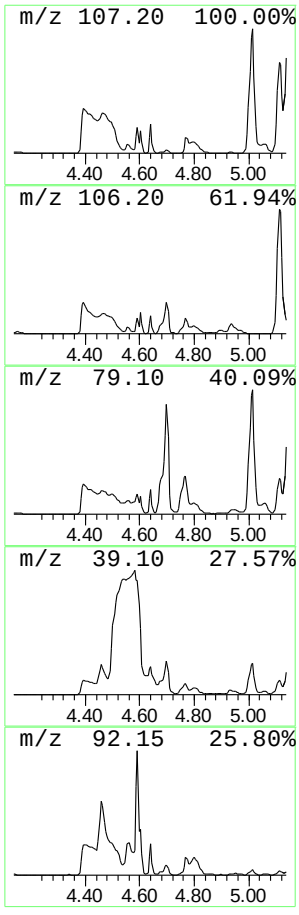
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Pyridine, 3,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.640	9.09 ug/ml	2209670	1,4-Dichlorobenzene-d4	4.704

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 3,5-dimethyl-	107	C7H9N	000591-22-0	96
2	Pyridine, 3,4-dimethyl-	107	C7H9N	000583-58-4	96
3	Pyridine, 3,5-dimethyl-	107	C7H9N	000591-22-0	94
4	Pyridine, 3,5-dimethyl-	107	C7H9N	000591-22-0	94
5	Pyridine, 2,5-dimethyl-	107	C7H9N	000589-93-5	94





Library Search Compound Report

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Data File : j13845.D
Acq On    : 15 Oct 2009   2:51 pm
Operator  : sheilac
Sample    : t39513-8,40x
Misc      : op13230,Ej635,1000,,,1,40,water
ALS Vial  : 10   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
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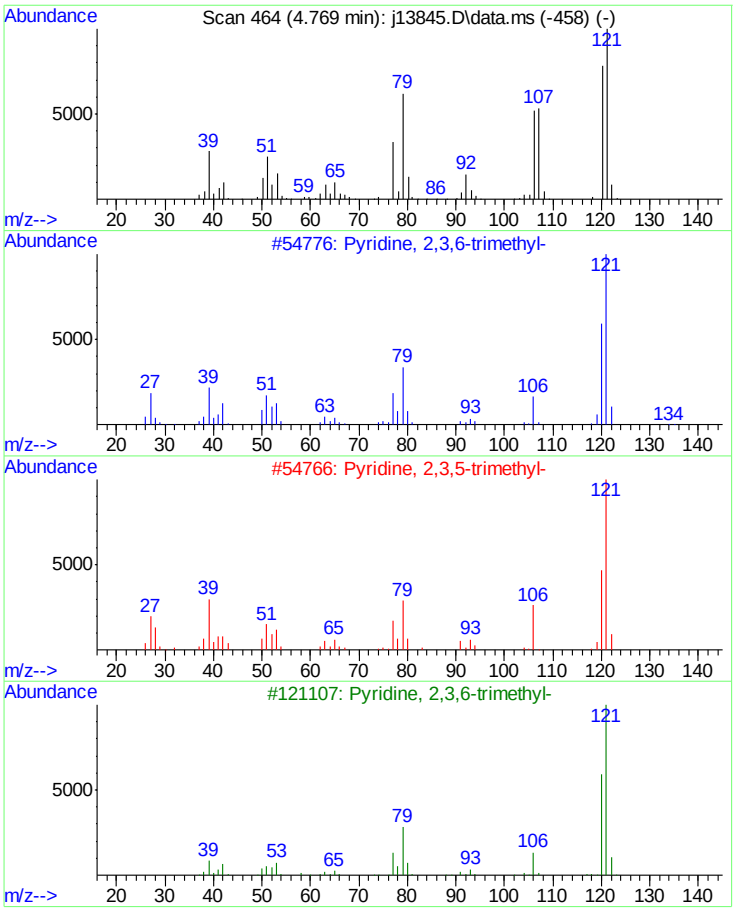
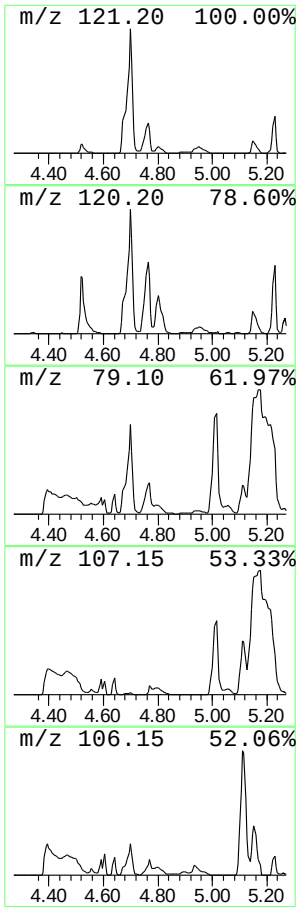
****

Peak Number 7 Pyridine, 2,3,6-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.769	9.64 ug/ml	2343030	1,4-Dichlorobenzene-d4	4.704

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 2,3,6-trimethyl-	121	C8H11N	001462-84-6	81
2	Pyridine, 2,3,5-trimethyl-	121	C8H11N	000695-98-7	70
3	Pyridine, 2,3,6-trimethyl-	121	C8H11N	001462-84-6	62
4	Benzenamine, 2,4-dimethyl-	121	C8H11N	000095-68-1	52
5	Benzenamine, 3,4-dimethyl-	121	C8H11N	000095-64-7	52





ACCUTEST Laboratories T39513

Library Search Compound Report

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Misc      : op13230,Ej635,1000,,,1,40,water
ALS Vial  : 10   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
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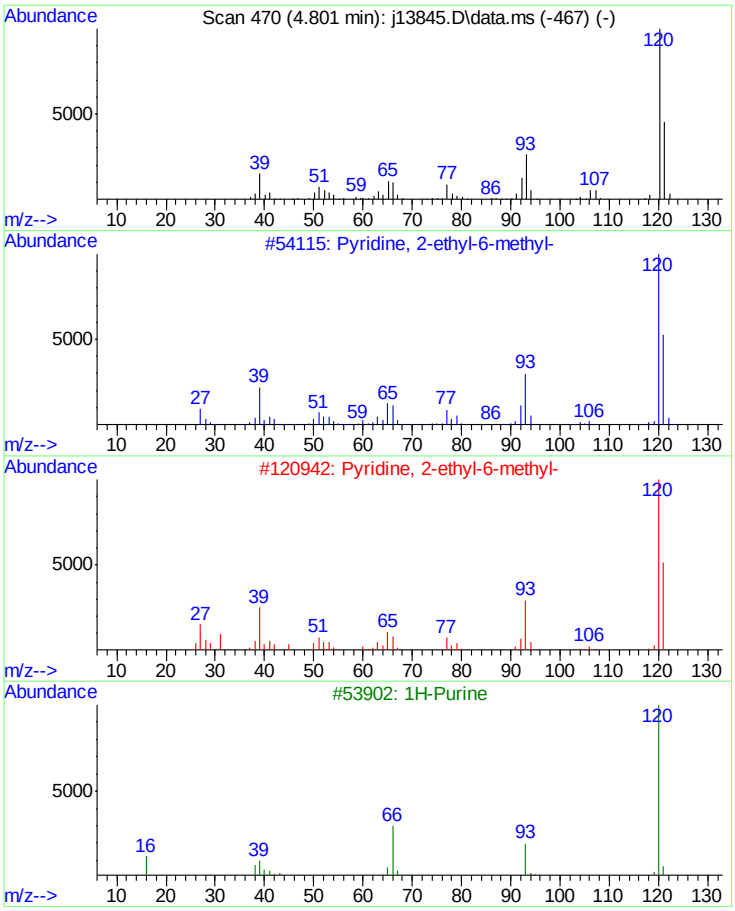
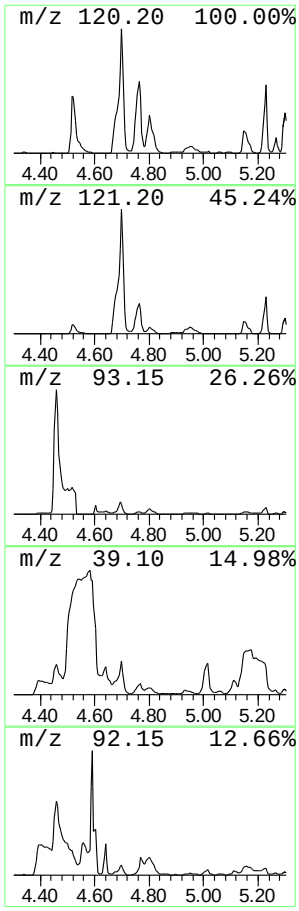
****

Peak Number 8 Pyridine, 2-ethyl-6-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.801	7.40 ug/ml	1799870	1,4-Dichlorobenzene-d4	4.704

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 2-ethyl-6-methyl-	121	C8H11N	001122-69-6	91
2	Pyridine, 2-ethyl-6-methyl-	121	C8H11N	001122-69-6	90
3	1H-Purine	120	C5H4N4	000120-73-0	45
4	Benzenamine, N,3-dimethyl-	121	C8H11N	000696-44-6	38
5	Benzene, (ethenyloxy)-	120	C8H8O	000766-94-9	36





Library Search Compound Report

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Acq On : 15 Oct 2009 2:51 pm
Operator : sheilac
Sample : t39513-8,40x
Misc : op13230,Ej635,1000,,,1,40,water
ALS Vial : 10 Sample Multiplier: 1

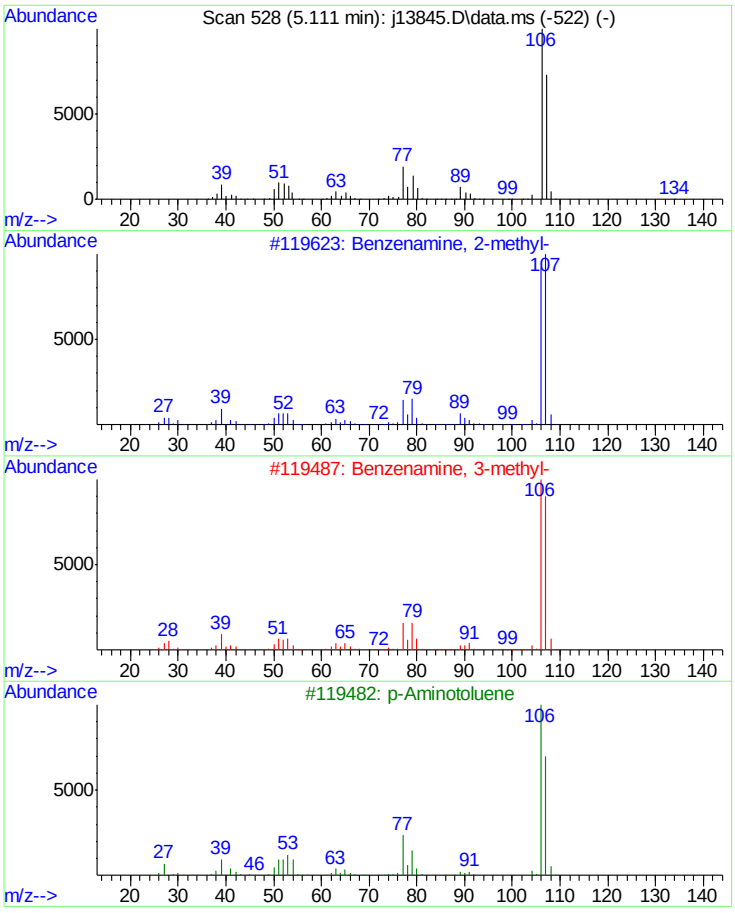
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

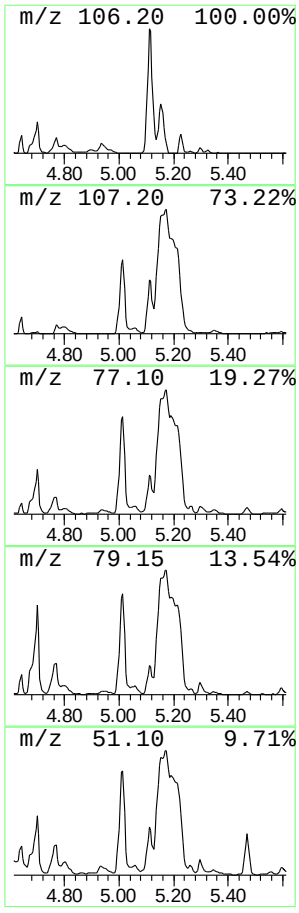
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzenamine, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.111	24.49 ug/ml	5953600	1,4-Dichlorobenzene-d4	4.704

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 2-methyl-	107	C7H9N	000095-53-4	93
2	Benzenamine, 3-methyl-	107	C7H9N	000108-44-1	93
3	p-Aminotoluene	107	C7H9N	000106-49-0	91
4	p-Aminotoluene	107	C7H9N	000106-49-0	91
5	Benzenamine, 2-methyl-	107	C7H9N	000095-53-4	90





Library Search Compound Report

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Acq On : 15 Oct 2009 2:51 pm
Operator : sheilac
Sample : t39513-8,40x
Misc : op13230,Ej635,1000,,,1,40,water
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

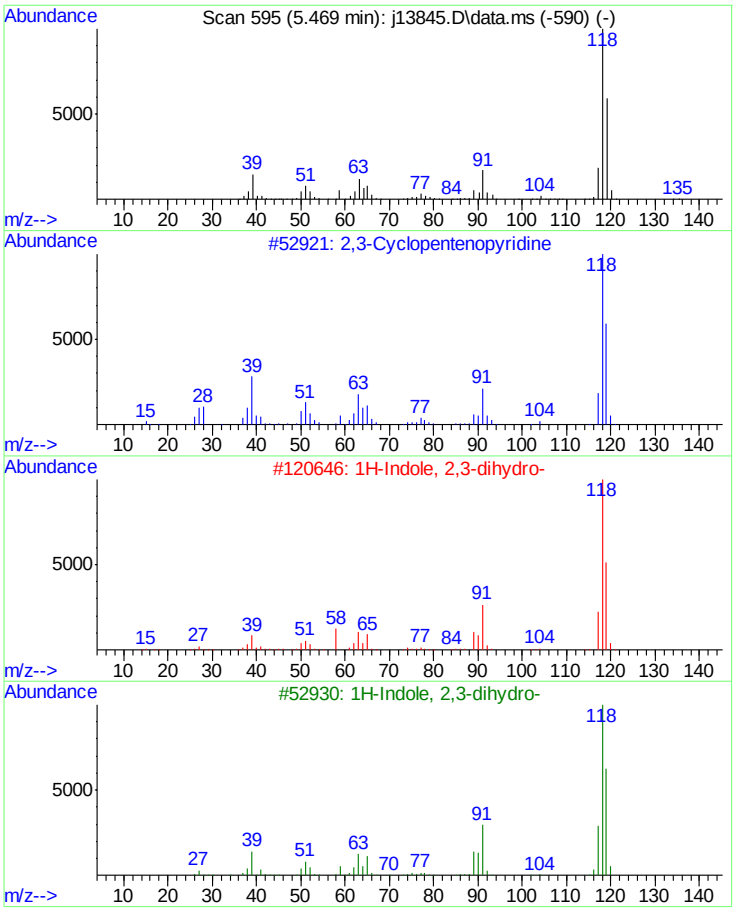
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

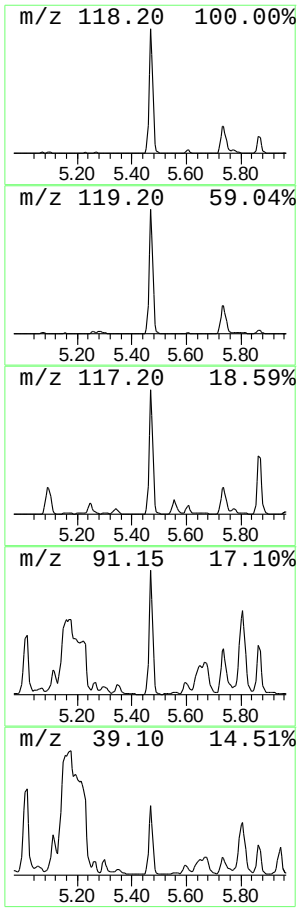
****

Peak Number 10 2,3-Cyclopentenopyridine Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.469	22.42 ug/ml	5127720	Naphthalene-d8	5.919

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3-Cyclopentenopyridine	119	C8H9N	000533-37-9	91
2	1H-Indole, 2,3-dihydro-	119	C8H9N	000496-15-1	90
3	1H-Indole, 2,3-dihydro-	119	C8H9N	000496-15-1	74
4	1H-Indole, 2,3-dihydro-	119	C8H9N	000496-15-1	59
5	1H-Indazole	118	C7H6N2	000271-44-3	58





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej635\
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Acq On : 15 Oct 2009 2:51 pm
Operator : sheilac
Sample : t39513-8,40x
Misc : op13230,Ej635,1000,,,1,40,water
ALS Vial : 10 Sample Multiplier: 1

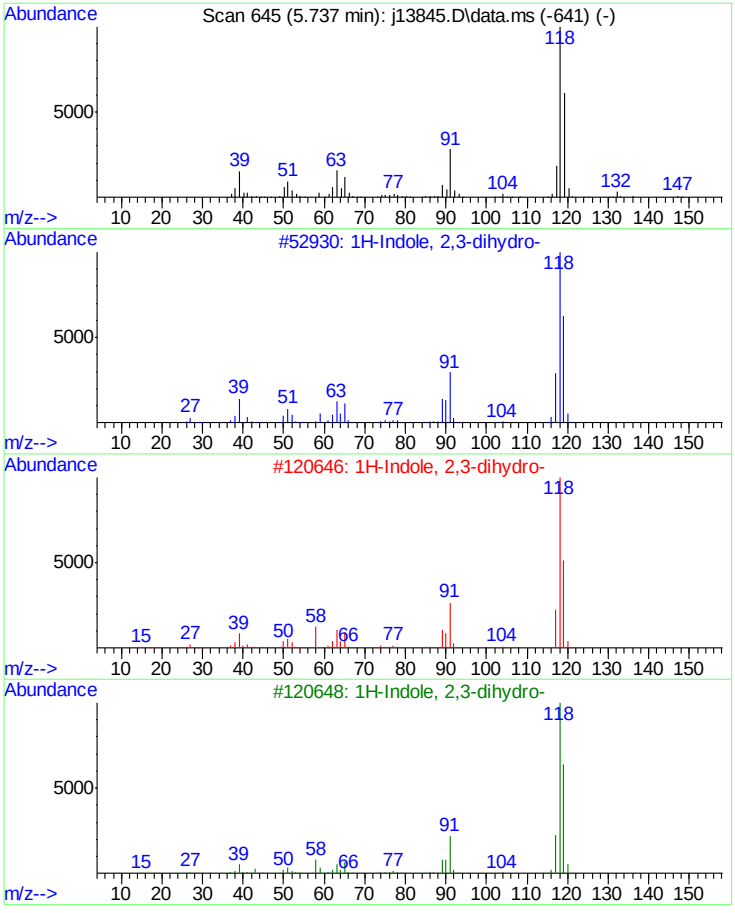
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

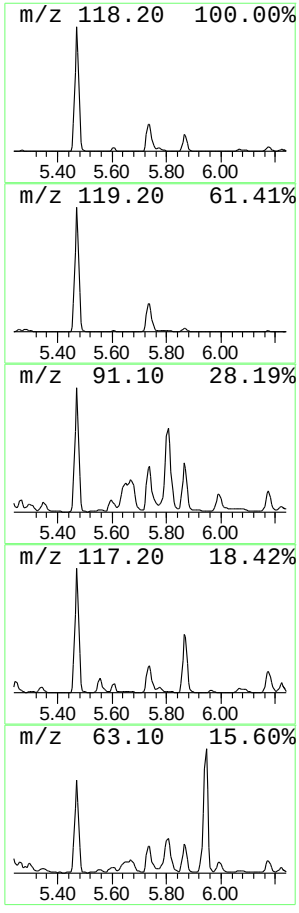
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 1H-Indole, 2,3-dihydro- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.737	7.52 ug/ml	1719900	Naphthalene-d8	5.919

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indole, 2,3-dihydro-	119	C8H9N	000496-15-1	87
2	1H-Indole, 2,3-dihydro-	119	C8H9N	000496-15-1	87
3	1H-Indole, 2,3-dihydro-	119	C8H9N	000496-15-1	80
4	2,3-Cyclopentenopyridine	119	C8H9N	000533-37-9	78
5	2-Phenyl-1-phenylsulfonylaziridine	259	C14H13NO2S	1000216-13-1	53





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej635\
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Acq On : 15 Oct 2009 2:51 pm
Operator : sheilac
Sample : t39513-8,40x
Misc : op13230,Ej635,1000,,,1,40,water
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

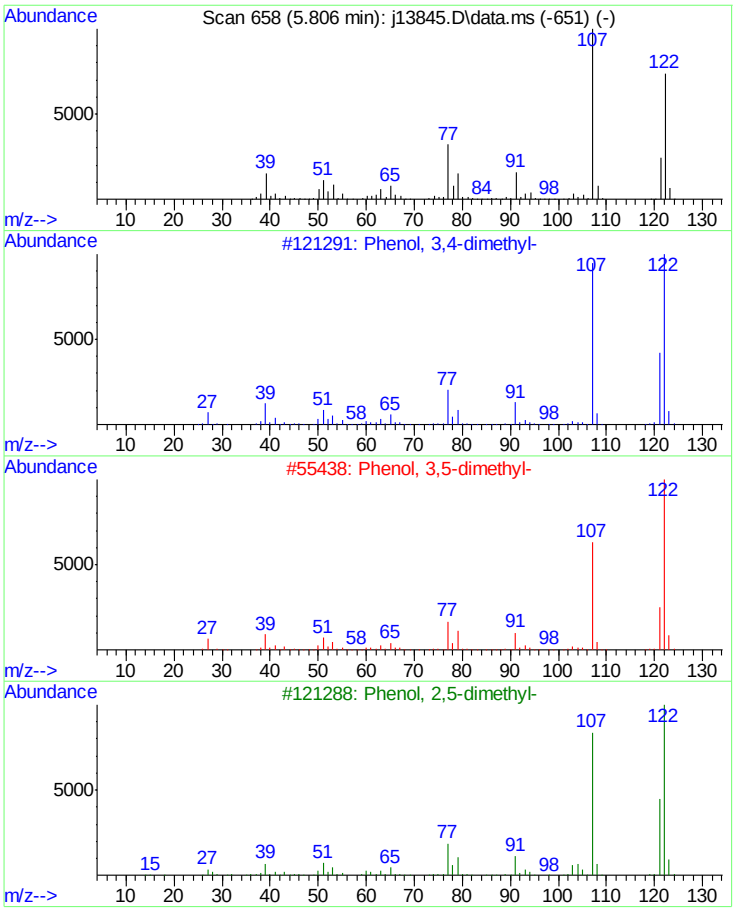
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

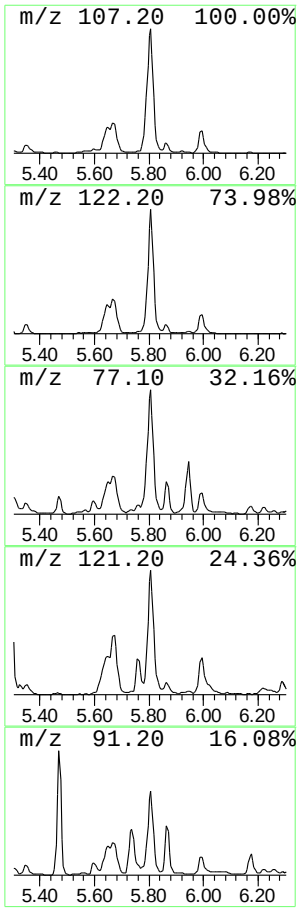
****

Peak Number 12 Phenol, 3,4-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.806	32.38 ug/ml	7407210	Naphthalene-d8	5.919

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3,4-dimethyl-	122	C8H10O	000095-65-8	94
2	Phenol, 3,5-dimethyl-	122	C8H10O	000108-68-9	91
3	Phenol, 2,5-dimethyl-	122	C8H10O	000095-87-4	91
4	Phenol, 2,3-dimethyl-	122	C8H10O	000526-75-0	91
5	Phenol, 3,4-dimethyl-	122	C8H10O	000095-65-8	91





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej635\
Data File : j13845.D
Acq On : 15 Oct 2009 2:51 pm
Operator : sheilac
Sample : t39513-8,40x
Misc : op13230,Ej635,1000,,,1,40,water
ALS Vial : 10 Sample Multiplier: 1

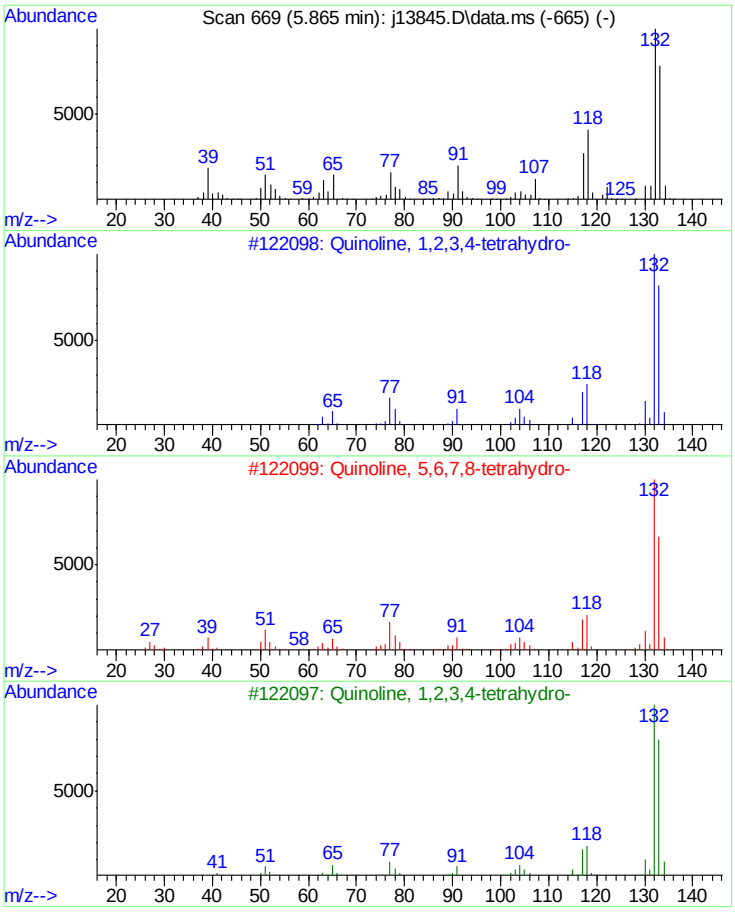
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

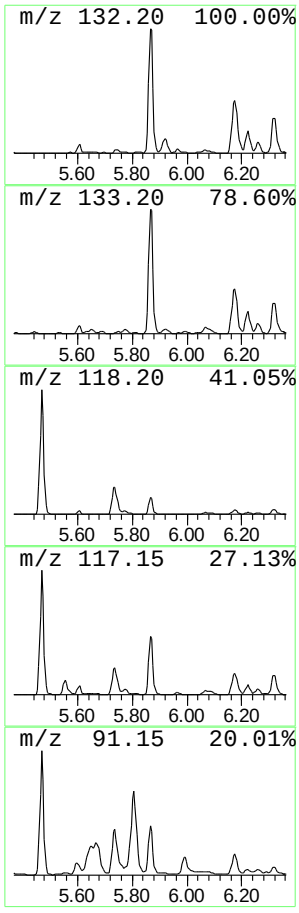
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Quinoline, 1,2,3,4-tetrahydro- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.865	12.39 ug/ml	2833940	Naphthalene-d8	5.919

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline, 1,2,3,4-tetrahydro-	133	C9H11N	000635-46-1	87
2	Quinoline, 5,6,7,8-tetrahydro-	133	C9H11N	010500-57-9	72
3	Quinoline, 1,2,3,4-tetrahydro-	133	C9H11N	000635-46-1	68
4	Cyclopropanamine, 2-phenyl-, tra...	133	C9H11N	000155-09-9	59
5	Cyclopropanamine, 2-phenyl-, tra...	133	C9H11N	000155-09-9	59





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej635\
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Acq On : 15 Oct 2009 2:51 pm
Operator : sheilac
Sample : t39513-8,40x
Misc : op13230,Ej635,1000,,,1,40,water
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

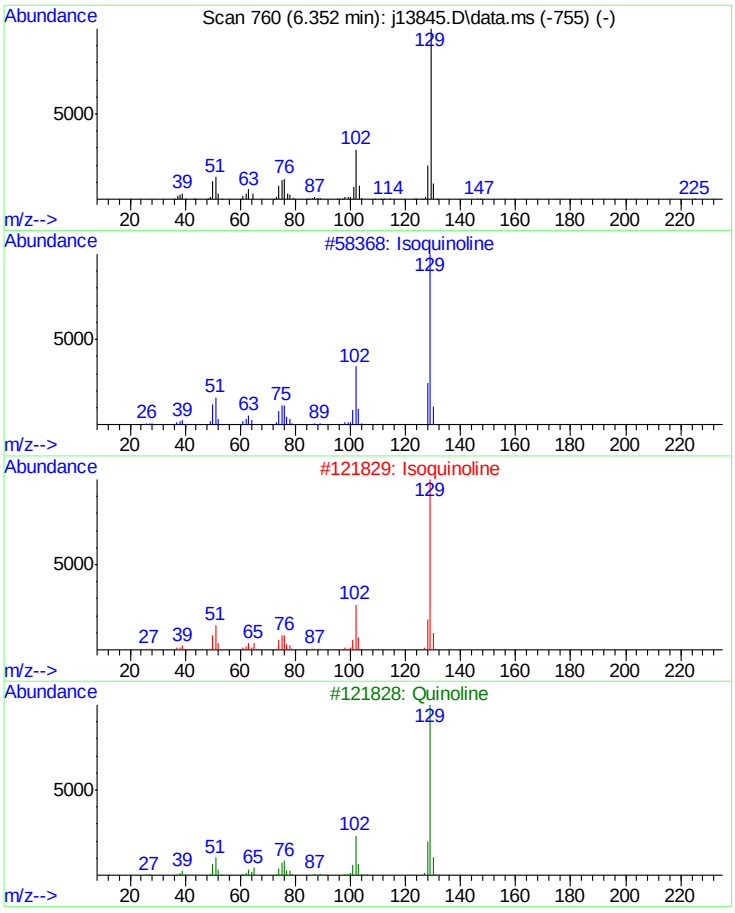
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

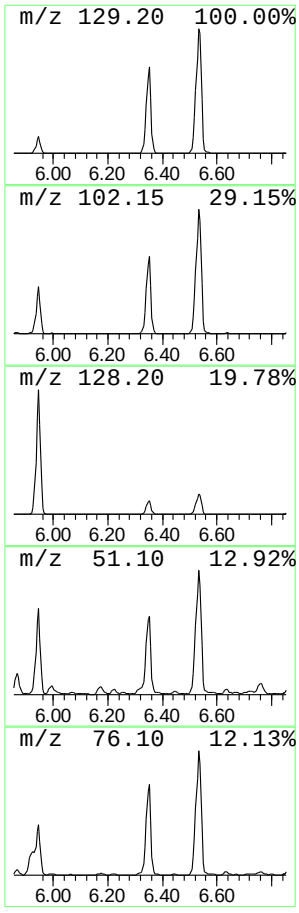
****

Peak Number 14 Isoquinoline Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.352	30.86 ug/ml	7059240	Naphthalene-d8	5.919

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isoquinoline	129	C9H7N	000119-65-3	96
2	Isoquinoline	129	C9H7N	000119-65-3	96
3	Quinoline	129	C9H7N	000091-22-5	95
4	Quinoline	129	C9H7N	000091-22-5	94
5	Isoquinoline	129	C9H7N	000119-65-3	93





Library Search Compound Report

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Acq On : 15 Oct 2009 2:51 pm
Operator : sheilac
Sample : t39513-8,40x
Misc : op13230,Ej635,1000,,,1,40,water
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

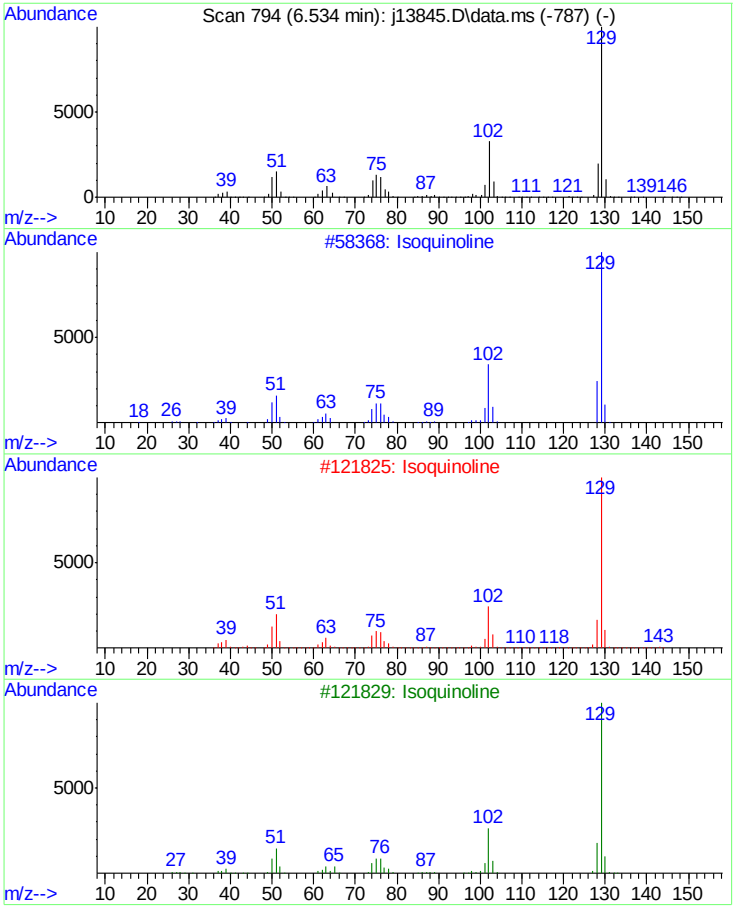
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

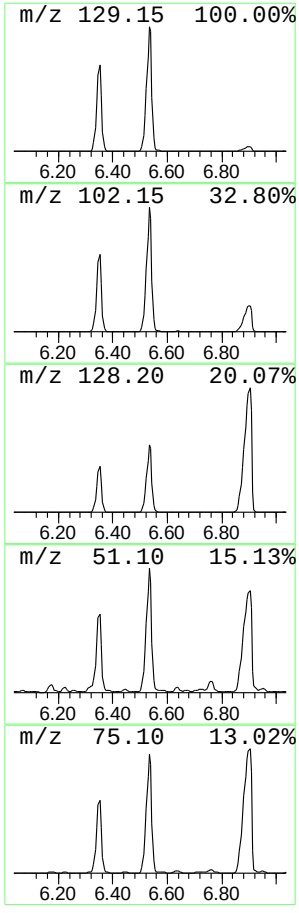
****

Peak Number 15 Isoquinoline Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.534	52.69 ug/ml	12050800	Naphthalene-d8	5.919

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isoquinoline	129	C9H7N	000119-65-3	96
2	Isoquinoline	129	C9H7N	000119-65-3	96
3	Isoquinoline	129	C9H7N	000119-65-3	96
4	Quinoline	129	C9H7N	000091-22-5	95
5	Isoquinoline	129	C9H7N	000119-65-3	94





Library Search Compound Report

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Acq On : 15 Oct 2009 2:51 pm
Operator : sheilac
Sample : t39513-8,40x
Misc : op13230,Ej635,1000,,,1,40,water
ALS Vial : 10 Sample Multiplier: 1

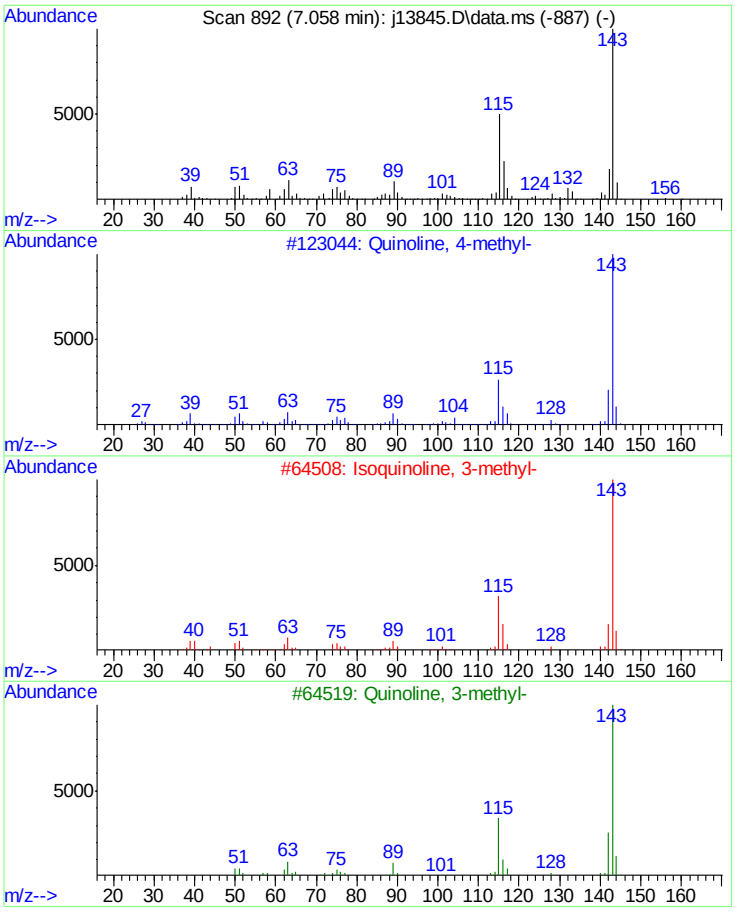
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

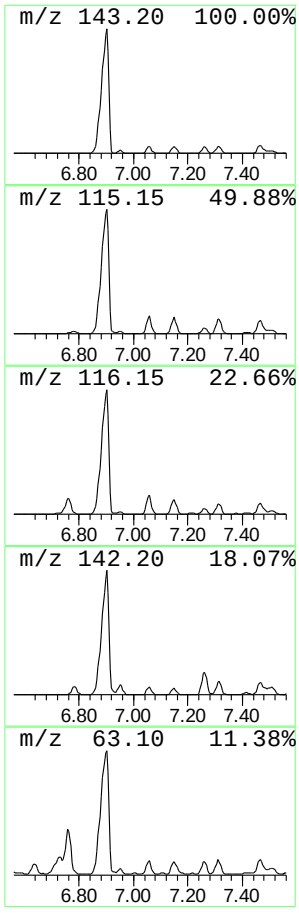
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Quinoline, 4-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.058	7.27 ug/ml	1662600	Naphthalene-d8	5.919

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline, 4-methyl-	143	C10H9N	000491-35-0	94
2	Isoquinoline, 3-methyl-	143	C10H9N	001125-80-0	93
3	Quinoline, 3-methyl-	143	C10H9N	000612-58-8	93
4	1-Naphthalenamine	143	C10H9N	000134-32-7	90
5	Isoquinoline, 3-methyl-	143	C10H9N	001125-80-0	90





Library Search Compound Report

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Data File : j13845.D
Acq On : 15 Oct 2009 2:51 pm
Operator : sheilac
Sample : t39513-8,40x
Misc : op13230,Ej635,1000,,,1,40,water
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Isoquinoline, 1-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.149	7.22 ug/ml	1692400	Acenaphthene-d10	8.374

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isoquinoline, 1-methyl-	143	C10H9N	001721-93-3	94
2	Isoquinoline, 1-methyl-	143	C10H9N	001721-93-3	93
3	Isoquinoline, 3-methyl-	143	C10H9N	001125-80-0	90
4	2-Naphthalenamine	143	C10H9N	000091-59-8	87
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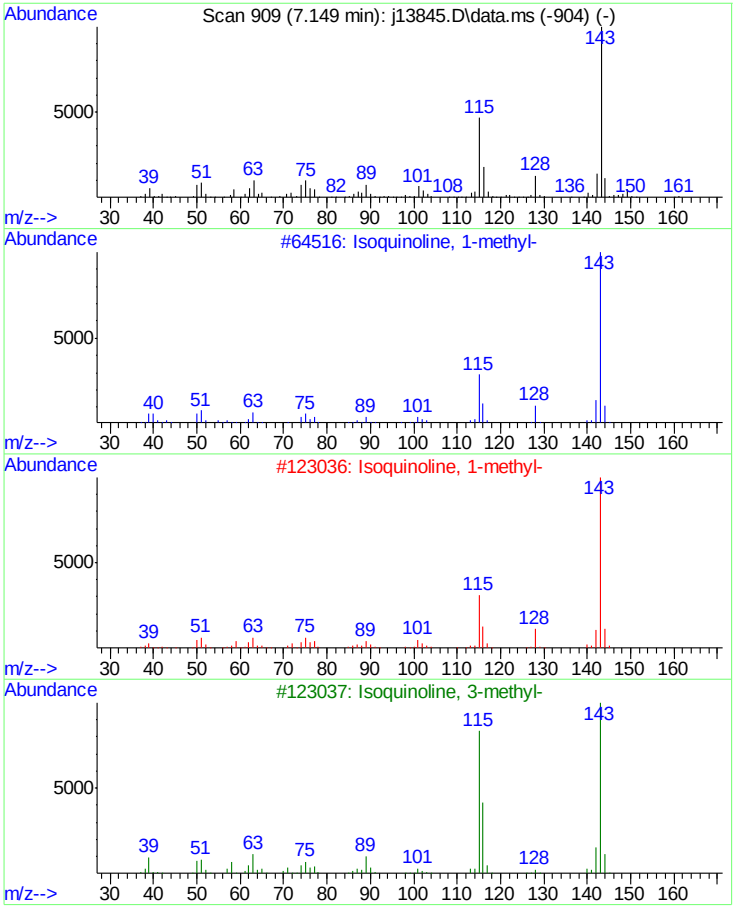
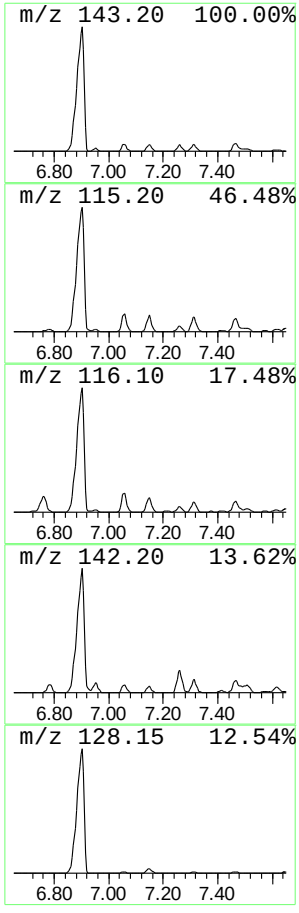




Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej635\
Data File : j13845.D
Acq On : 15 Oct 2009 2:51 pm
Operator : sheilac
Sample : t39513-8,40x
Misc : op13230,Ej635,1000,,,1,40,water
ALS Vial : 10 Sample Multiplier: 1

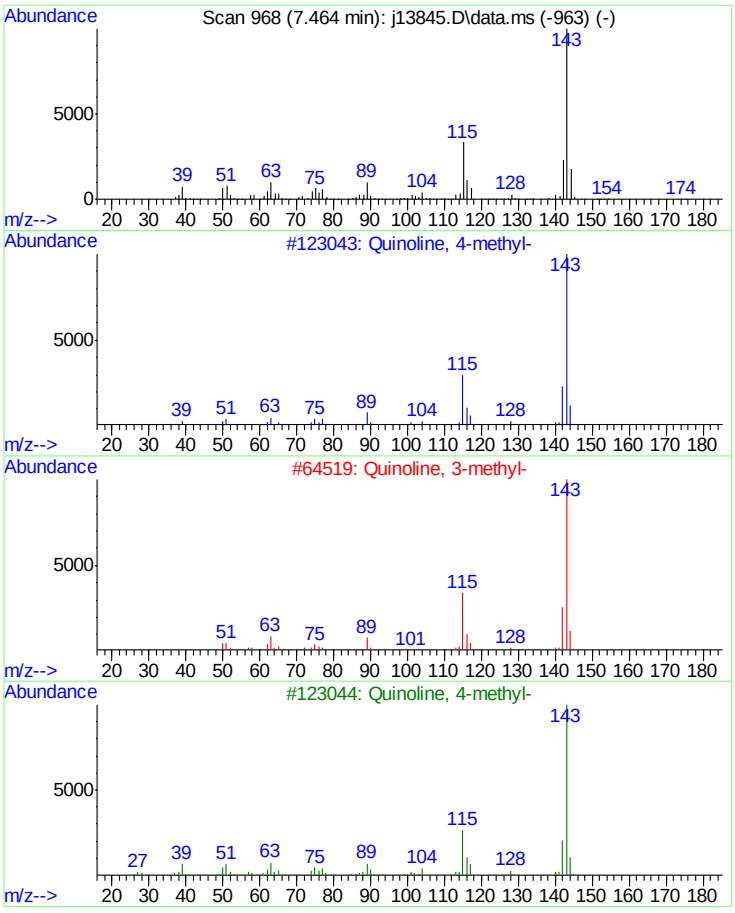
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

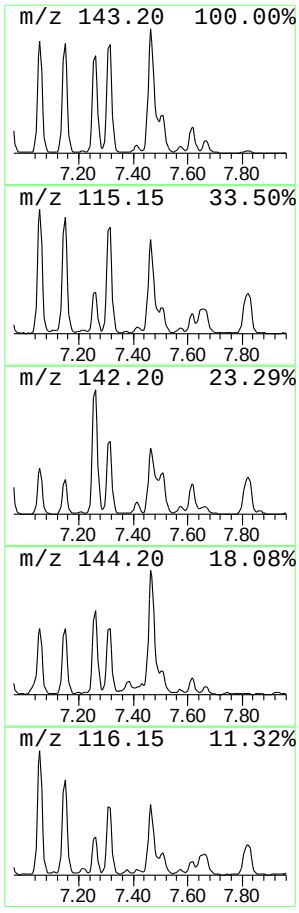
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Quinoline, 3-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.464	8.82 ug/ml	2066960	Acenaphthene-d10	8.374

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline, 4-methyl-	143	C10H9N	000491-35-0	95
2	Quinoline, 3-methyl-	143	C10H9N	000612-58-8	95
3	Quinoline, 4-methyl-	143	C10H9N	000491-35-0	95
4	Quinoline, 3-methyl-	143	C10H9N	000612-58-8	94
5	Quinoline, 4-methyl-	143	C10H9N	000491-35-0	94





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej635\
Data File : j13845.D
Acq On : 15 Oct 2009 2:51 pm
Operator : sheilac
Sample : t39513-8,40x
Misc : op13230,Ej635,1000,,,1,40,water
ALS Vial : 10 Sample Multiplier: 1

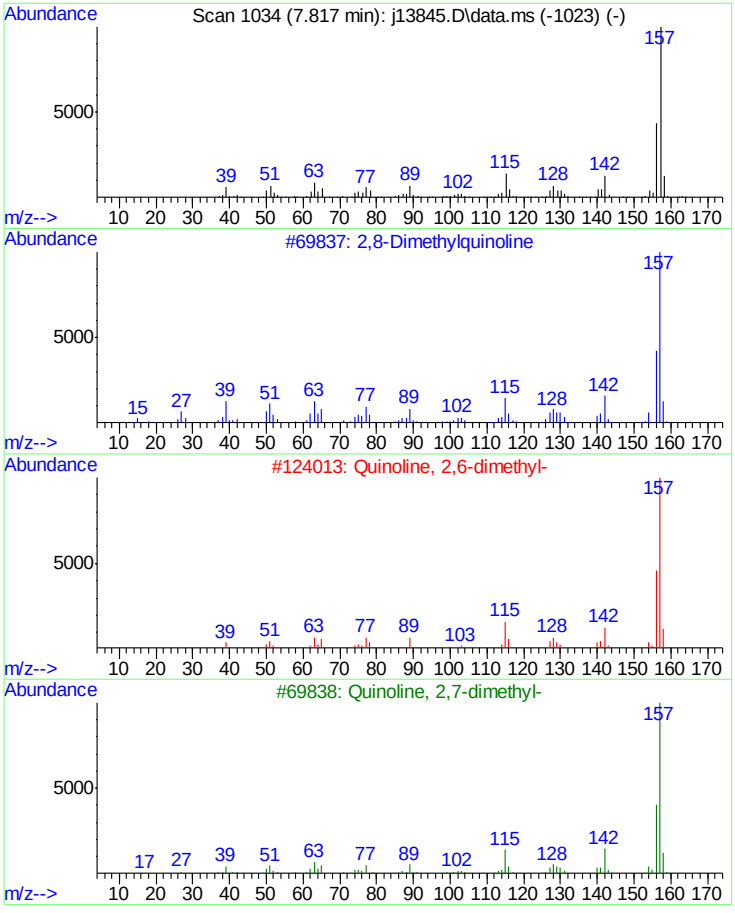
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

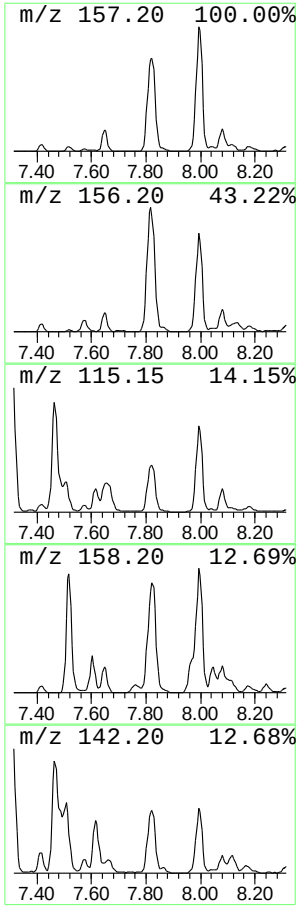
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 2,8-Dimethylquinoline Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.817	11.37 ug/ml	2666260	Acenaphthene-d10	8.374

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,8-Dimethylquinoline	157	C11H11N	001463-17-8	97
2	Quinoline, 2,6-dimethyl-	157	C11H11N	000877-43-0	96
3	Quinoline, 2,7-dimethyl-	157	C11H11N	000093-37-8	96
4	Quinoline, 2,6-dimethyl-	157	C11H11N	000877-43-0	96
5	Quinoline, 2,6-dimethyl-	157	C11H11N	000877-43-0	94





Library Search Compound Report

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Data Path : C:\msdchem\1\DATA\ej635\
Data File : j13845.D
Acq On    : 15 Oct 2009   2:51 pm
Operator  : sheilac
Sample    : t39513-8,40x
Misc      : op13230,Ej635,1000,,,1,40,water
ALS Vial  : 10   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

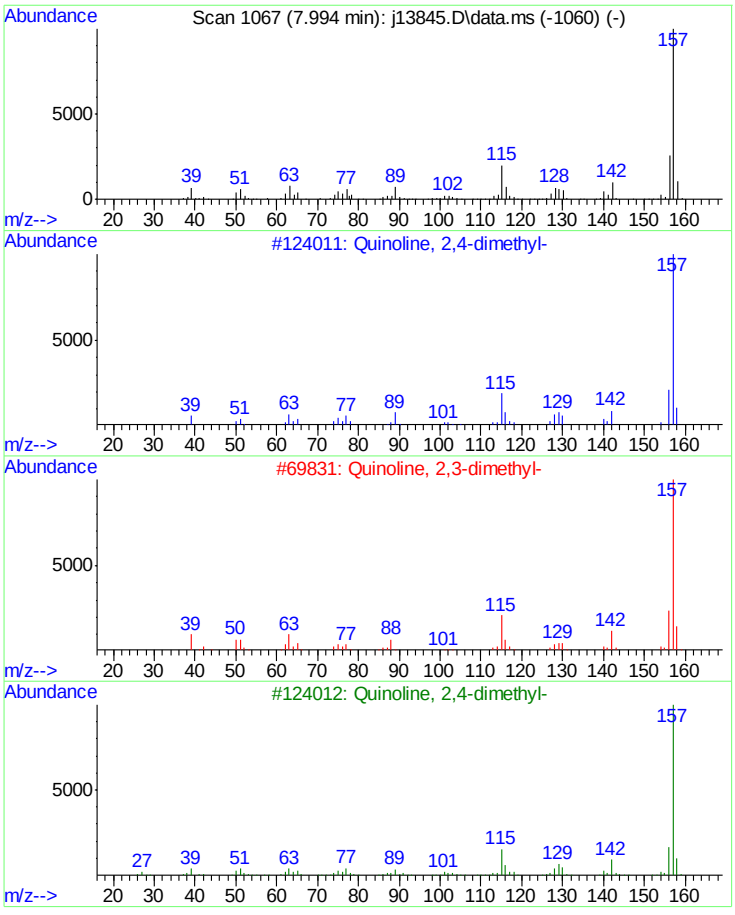
TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
```

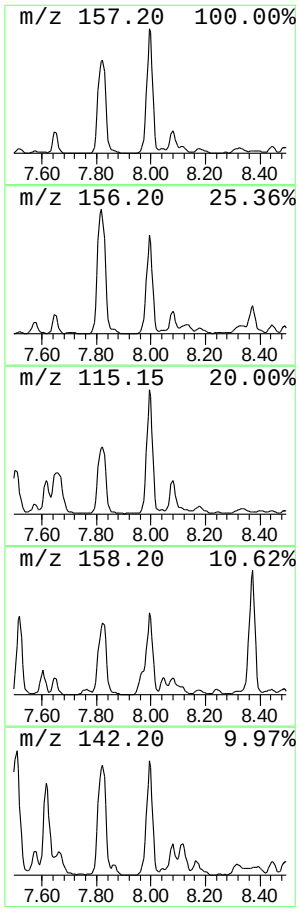
****

Peak Number 20 Quinoline, 2,4-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.994	10.79 ug/ml	2530380	Acenaphthene-d10	8.374

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline, 2,4-dimethyl-	157	C11H11N	001198-37-4	94
2	Quinoline, 2,3-dimethyl-	157	C11H11N	001721-89-7	94
3	Quinoline, 2,4-dimethyl-	157	C11H11N	001198-37-4	93
4	Quinoline, 2,6-dimethyl-	157	C11H11N	000877-43-0	90
5	Quinoline, 2,4-dimethyl-	157	C11H11N	001198-37-4	90





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej635\
Data File : j13845.D
Acq On : 15 Oct 2009 2:51 pm
Operator : sheilac
Sample : t39513-8,40x
Misc : op13230,Ej635,1000,,,1,40,water
ALS Vial : 10 Sample Multiplier: 1

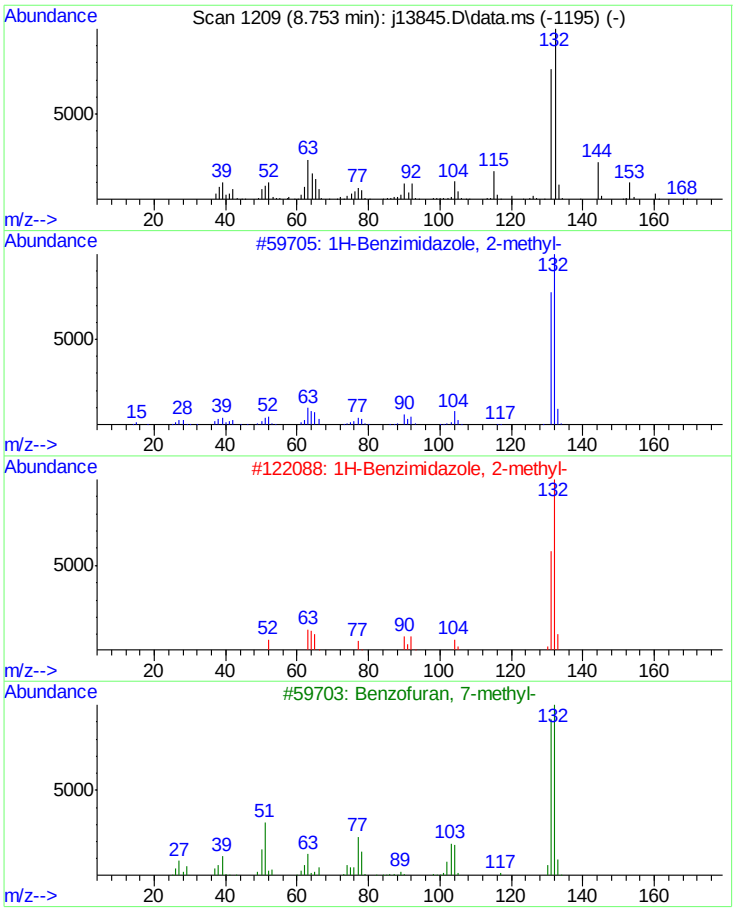
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

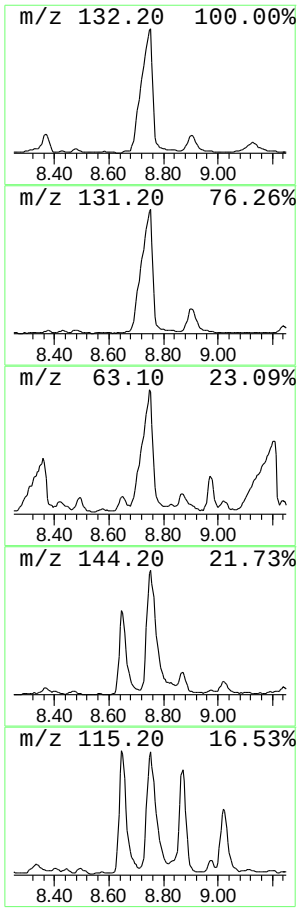
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 1H-Benzimidazole, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.753	16.35 ug/ml	3834420	Acenaphthene-d10	8.374

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	95
2	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	64
3	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	50
4	3-Pyridinecarbonitrile, 5,6-dime...	132	C8H8N2	113124-09-7	45
5	Pyrazolo(2,3-a)pyridine, 7-methyl-	132	C8H8N2	034760-58-2	43





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej635\
Data File : j13845.D
Acq On : 15 Oct 2009 2:51 pm
Operator : sheilac
Sample : t39513-8,40x
Misc : op13230,Ej635,1000,,,1,40,water
ALS Vial : 10 Sample Multiplier: 1

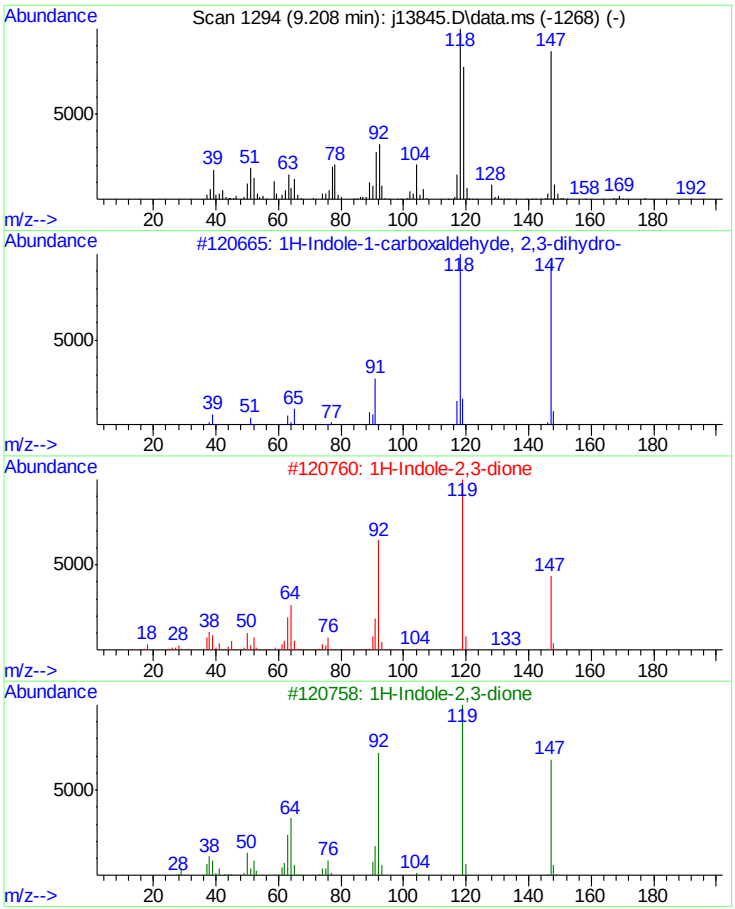
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

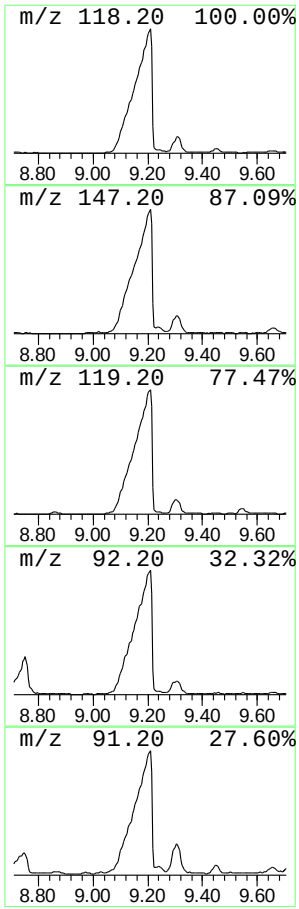
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 1H-Indole-1-carboxaldehyde,... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.208	33.10 ug/ml	7760670	Acenaphthene-d10	8.374

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indole-1-carboxaldehyde, 2,3-...	147	C9H9NO	002861-59-8	55
2	1H-Indole-2,3-dione	147	C8H5NO2	000091-56-5	55
3	1H-Indole-2,3-dione	147	C8H5NO2	000091-56-5	55
4	1H-Indole-2,3-dione	147	C8H5NO2	000091-56-5	55
5	1H-Indole-1-carboxaldehyde, 2,3-...	147	C9H9NO	002861-59-8	55





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej635\
Data File : j13845.D
Acq On : 15 Oct 2009 2:51 pm
Operator : sheilac
Sample : t39513-8,40x
Misc : op13230,Ej635,1000,,,1,40,water
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

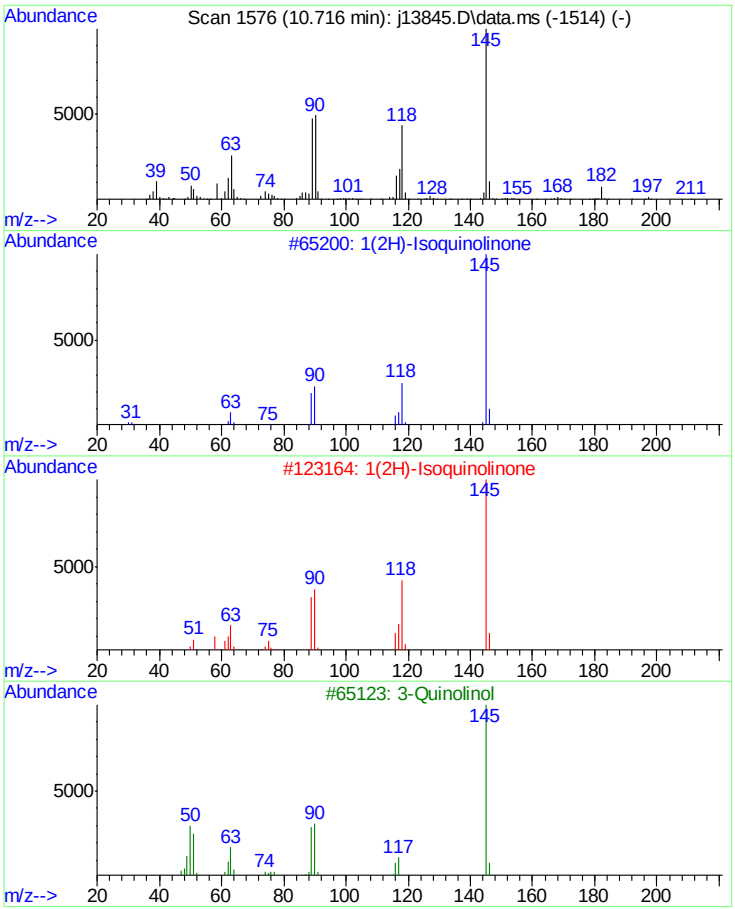
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

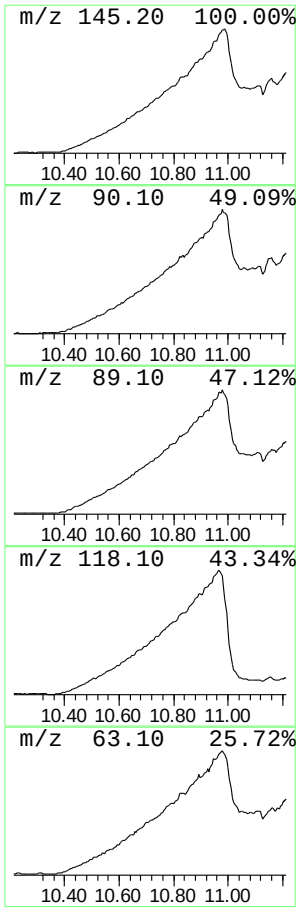
****

Peak Number 23 1(2H)-Isoquinolinone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.716	120.45 ug/ml	12156700	Phenanthrene-d10	11.155

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Isoquinolinone	145	C9H7NO	000491-30-5	97
2	1(2H)-Isoquinolinone	145	C9H7NO	000491-30-5	91
3	3-Quinolinol	145	C9H7NO	000580-18-7	74
4	5-Isoquinolinol	145	C9H7NO	002439-04-5	68
5	Oxazole, 2-phenyl-	145	C9H7NO	020662-88-8	64





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej635\
Data File : j13845.D
Acq On : 15 Oct 2009 2:51 pm
Operator : sheilac
Sample : t39513-8,40x
Misc : op13230,Ej635,1000,,,1,40,water
ALS Vial : 10 Sample Multiplier: 1

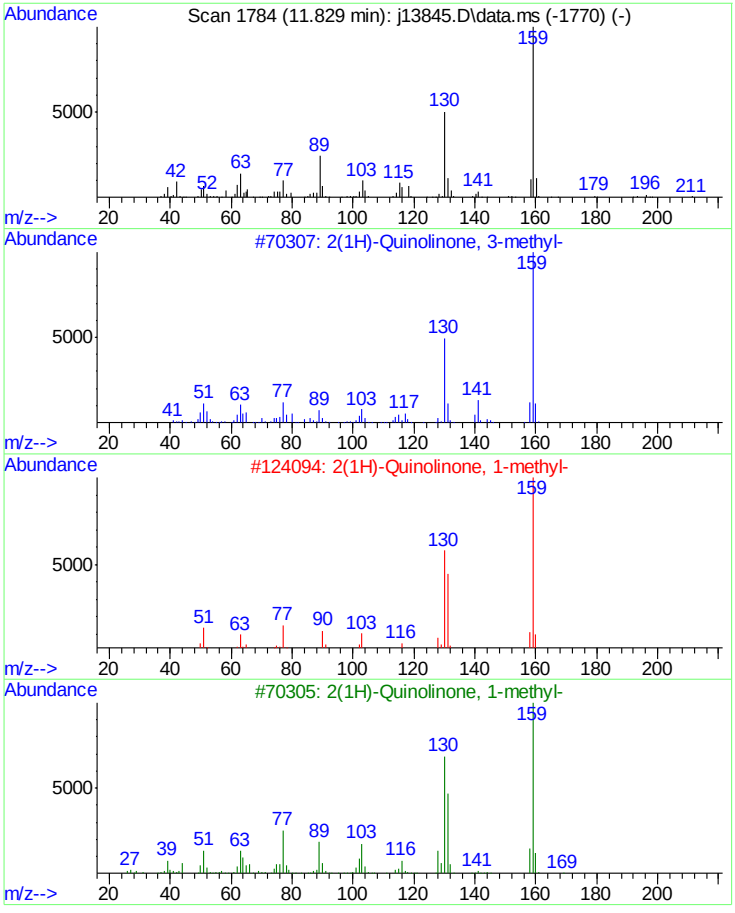
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

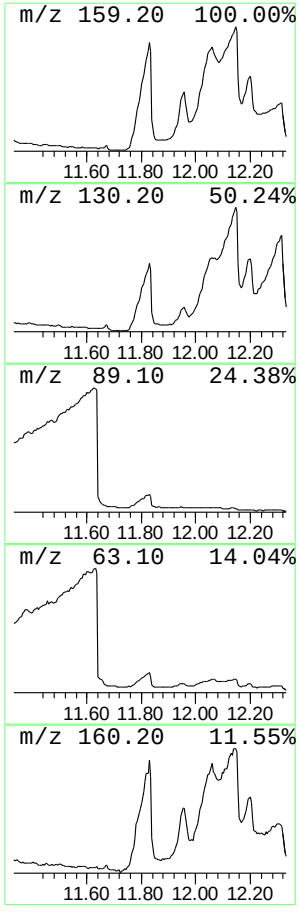
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 2(1H)-Quinolinone, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.829	20.41 ug/ml	2059830	Phenanthrene-d10	11.155

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(1H)-Quinolinone, 3-methyl-	159	C10H9NO	002721-59-7	83
2	2(1H)-Quinolinone, 1-methyl-	159	C10H9NO	000606-43-9	72
3	2(1H)-Quinolinone, 1-methyl-	159	C10H9NO	000606-43-9	72
4	5-Amino-1-naphthol	159	C10H9NO	000083-55-6	68
5	4-Quinolinol, 2-methyl-	159	C10H9NO	000607-67-0	64





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej635\
Data File : j13845.D
Acq On : 15 Oct 2009 2:51 pm
Operator : sheilac
Sample : t39513-8,40x
Misc : op13230,Ej635,1000,,,1,40,water
ALS Vial : 10 Sample Multiplier: 1

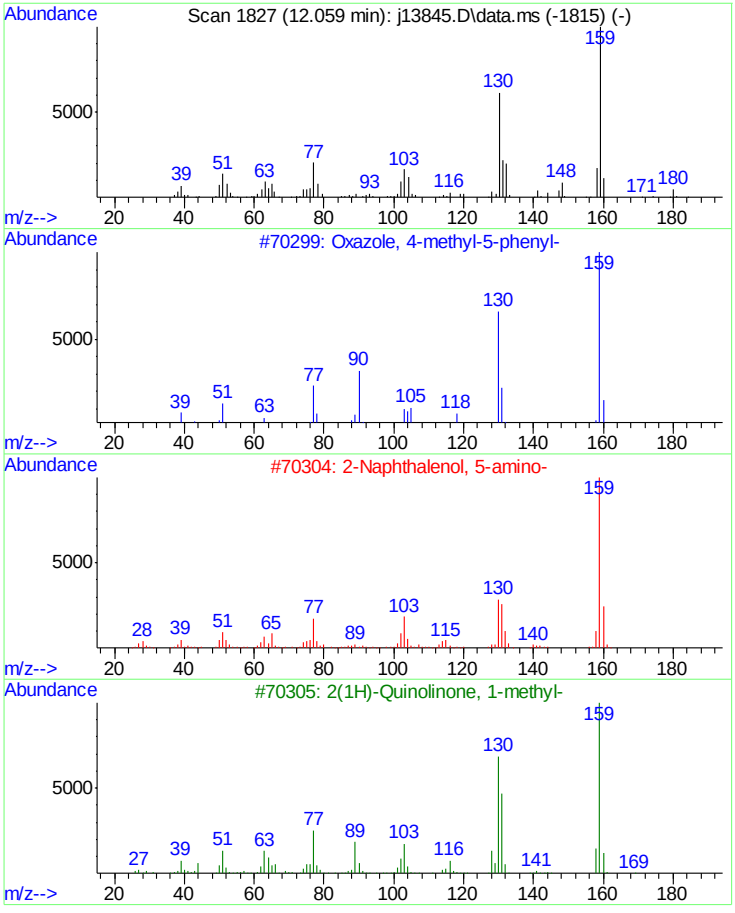
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

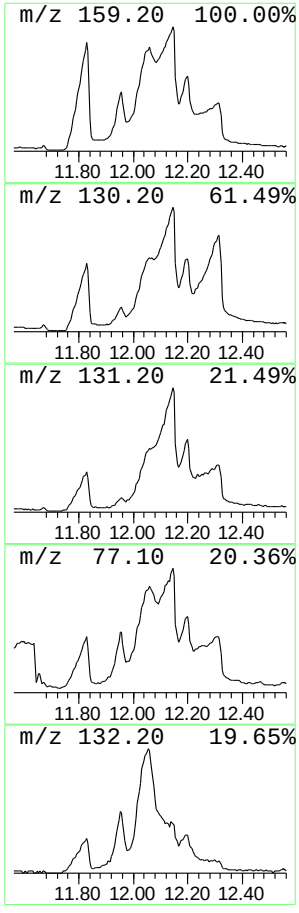
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 Oxazole, 4-methyl-5-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.059	20.94 ug/ml	2113890	Phenanthrene-d10	11.155

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxazole, 4-methyl-5-phenyl-	159	C10H9NO	001008-29-3	83
2	2-Naphthalenol, 5-amino-	159	C10H9NO	000086-97-5	76
3	2(1H)-Quinolinone, 1-methyl-	159	C10H9NO	000606-43-9	72
4	8-Quinolinol, 7-methyl-	159	C10H9NO	005541-68-4	64
5	2(1H)-Quinolinone, 1-methyl-	159	C10H9NO	000606-43-9	59





ACCUTEST Laboratories T39513

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\ej635\
Data File : j13845.D
Acq On : 15 Oct 2009 2:51 pm
Operator : sheilac
Sample : t39513-8,40x
Misc : op13230,Ej635,1000,,,1,40,water
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
Pyridine, 3-met...	3.121	12.2	ug/ml	2975600	1	4.704	9723150	40.0
Pyridine, 2-met...	3.191	8.4	ug/ml	2044240	1	4.704	9723150	40.0
Pyridine, 4-met...	3.624	16.3	ug/ml	3972960	1	4.704	9723150	40.0
Pyridine, 2,3-d...	3.817	8.8	ug/ml	2145360	1	4.704	9723150	40.0
Pyridine, 2,5-d...	4.394	26.6	ug/ml	6470740	1	4.704	9723150	40.0
Pyridine, 3,5-d...	4.640	9.1	ug/ml	2209670	1	4.704	9723150	40.0
Pyridine, 2,3,6...	4.769	9.6	ug/ml	2343030	1	4.704	9723150	40.0
Pyridine, 2-eth...	4.801	7.4	ug/ml	1799870	1	4.704	9723150	40.0
Benzenamine, 2-...	5.111	24.5	ug/ml	5953600	1	4.704	9723150	40.0
2,3-Cyclopenten...	5.469	22.4	ug/ml	5127720	2	5.919	9149130	40.0
1H-Indole, 2,3-...	5.737	7.5	ug/ml	1719900	2	5.919	9149130	40.0
Phenol, 3,4-dim...	5.806	32.4	ug/ml	7407210	2	5.919	9149130	40.0
Quinoline, 1,2,...	5.865	12.4	ug/ml	2833940	2	5.919	9149130	40.0
Isoquinoline	6.352	30.9	ug/ml	7059240	2	5.919	9149130	40.0
Isoquinoline	6.534	52.7	ug/ml	12050800	2	5.919	9149130	40.0
Quinoline, 4-me...	7.058	7.3	ug/ml	1662600	2	5.919	9149130	40.0
Isoquinoline, 1...	7.149	7.2	ug/ml	1692400	3	8.374	9378610	40.0
Quinoline, 3-me...	7.464	8.8	ug/ml	2066960	3	8.374	9378610	40.0
2,8-Dimethylqui...	7.817	11.4	ug/ml	2666260	3	8.374	9378610	40.0
Quinoline, 2,4-...	7.994	10.8	ug/ml	2530380	3	8.374	9378610	40.0
1H-Benzimidazol...	8.753	16.4	ug/ml	3834420	3	8.374	9378610	40.0
1H-Indole-1-car...	9.208	33.1	ug/ml	7760670	3	8.374	9378610	40.0
1(2H)-Isoquinol...	10.716	120.5	ug/ml	12156700	4	11.155	4037190	40.0
2(1H)-Quinolino...	11.829	20.4	ug/ml	2059830	4	11.155	4037190	40.0
Oxazole, 4-meth...	12.059	20.9	ug/ml	2113890	4	11.155	4037190	40.0

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej635\
Data File : j13846.D
Acq On : 15 Oct 2009 3:21 pm
Operator : sheilac
Sample : t39513-8,800x
Misc : op13230,Ej635,1000,,,1,800,water
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 16 11:52:02 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Oct 14 12:22:32 2009
Response via : Initial Calibration

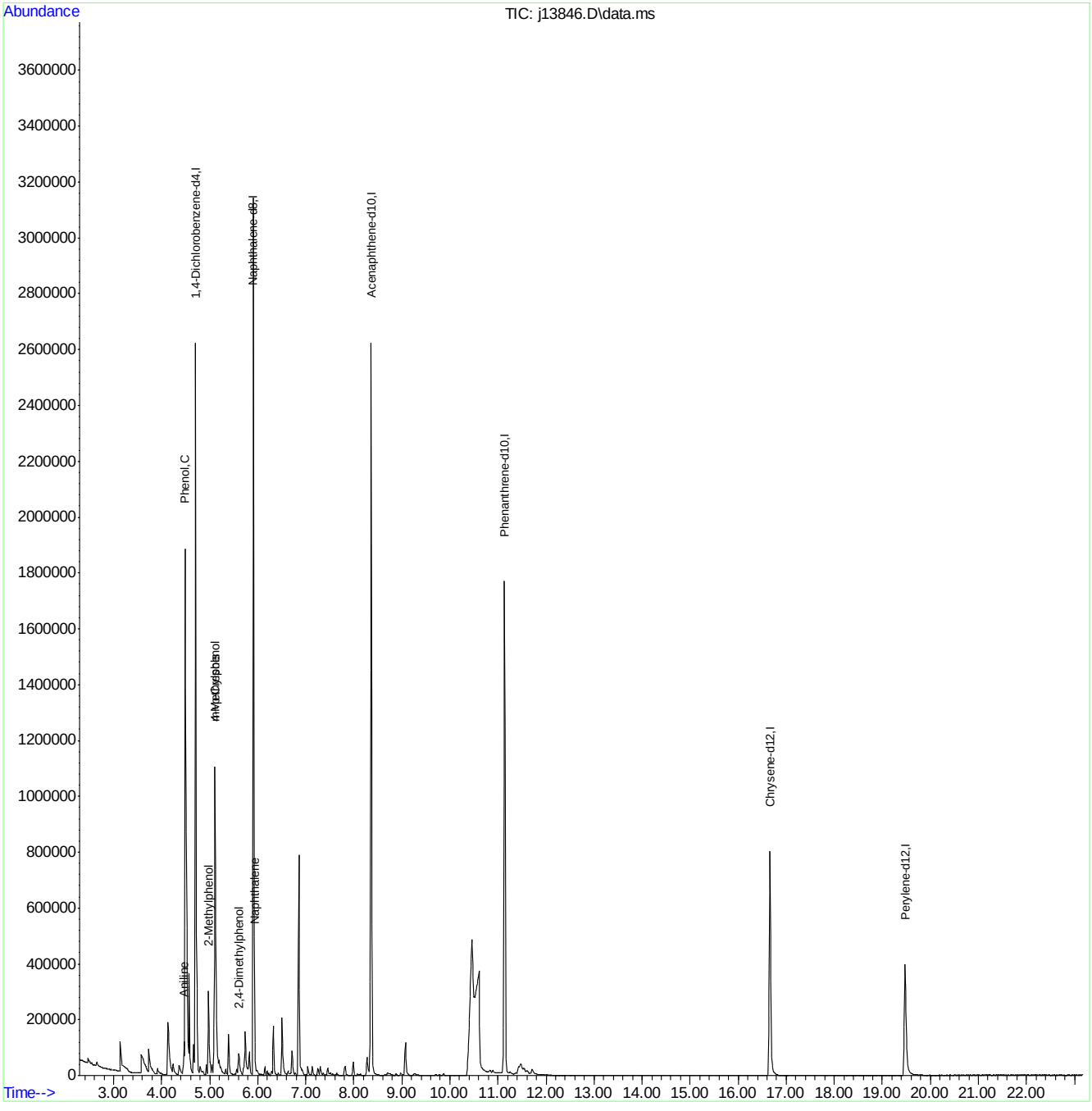
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.704	152	454228	40.00	ug/ml	-0.02
20) Naphthalene-d8	5.908	136	1613057	40.00	ug/ml	0.00
36) Acenaphthene-d10	8.363	164	853156	40.00	ug/ml	-0.05
57) Phenanthrene-d10	11.139	188	1085553	40.00	ug/ml	-0.06
71) Chrysene-d12	16.664	240	669531	40.00	ug/ml	-0.07
80) Perylene-d12	19.477	264	427044	40.00	ug/ml	-0.05
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	0.000	112	0	0.00	ug/ml	
Spiked Amount 100.000	Range 10 - 66		Recovery	=	0.00%#	
5) Phenol-d5 (SURR)	0.000	99	0	0.00	ug/ml	
Spiked Amount 100.000	Range 10 - 53		Recovery	=	0.00%#	
21) Nitrobenzene-d5 (SURR)	0.000	82	0	0.00	ug/ml	
Spiked Amount 50.000	Range 29 - 115		Recovery	=	0.00%#	
40) 2-Fluorobiphenyl (SURR)	0.000	172	0	0.00	ug/ml	
Spiked Amount 50.000	Range 34 - 113		Recovery	=	0.00%#	
62) 2,4,6-Tribromophenol (...	0.000	330	0	0.00	ug/ml	
Spiked Amount 100.000	Range 32 - 128		Recovery	=	0.00%#	
74) Terphenyl-d14	0.000	244	0	0.00	ug/ml	
Spiked Amount 50.000	Range 12 - 145		Recovery	=	0.00%#	
Target Compounds						Qvalue
6) Phenol	4.490	94	1008902	52.33	ug/ml#	78
7) Aniline	4.464	93	46149	4.54	ug/ml#	41
14) 2-Methylphenol	4.972	108	86375	6.39	ug/ml	99
16) 4-Methylphenol	5.111	108	350335	24.50	ug/ml#	75
17) m+p-Cresols	5.111	108	350335	24.50	ug/ml#	75
25) 2,4-Dimethylphenol	5.608	122	24778	1.96	ug/ml	96
30) Naphthalene	5.934	128	166144	3.78	ug/ml#	86

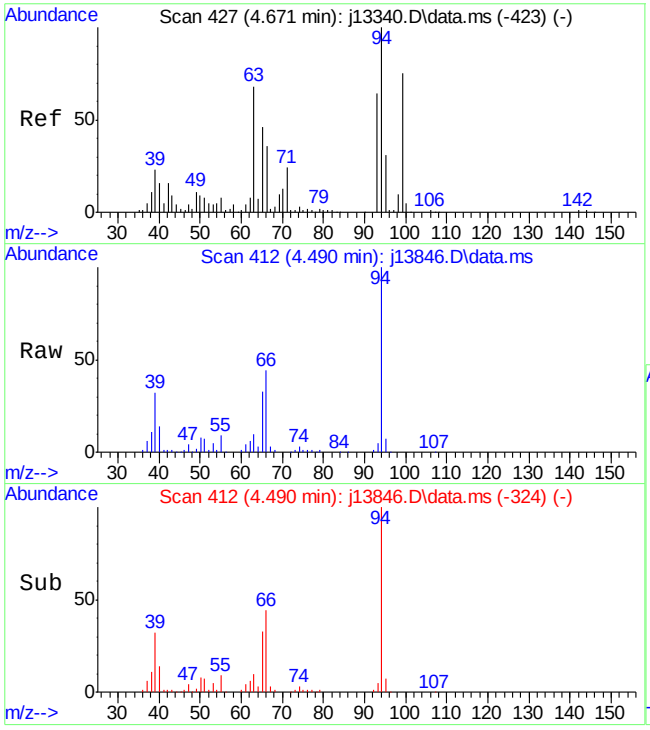
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej635\
Data File : j13846.D
Acq On : 15 Oct 2009 3:21 pm
Operator : sheilac
Sample : t39513-8,800x
Misc : op13230,Ej635,1000,,,1,800,water
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 16 11:52:02 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Oct 14 12:22:32 2009
Response via : Initial Calibration

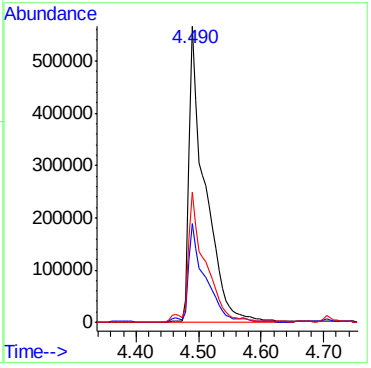


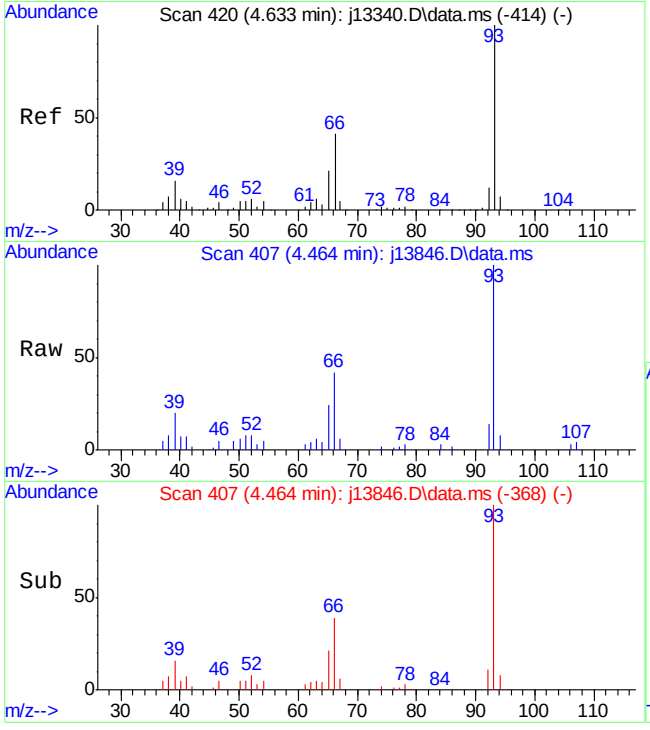


#6
Phenol
Concen: 52.33 ug/ml
RT: 4.490 min Scan# 412
Delta R.T. -0.028 min
Lab File: j13846.D
Acq: 15 Oct 2009 3:21 pm

Tgt Ion: 94 Resp: 1008902

Ion	Ratio	Lower	Upper
94	100		
65	33.9	35.3	75.3#
66	46.9	37.4	77.4

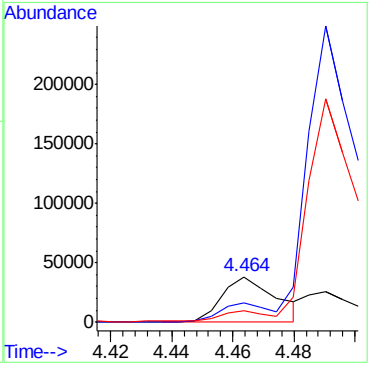


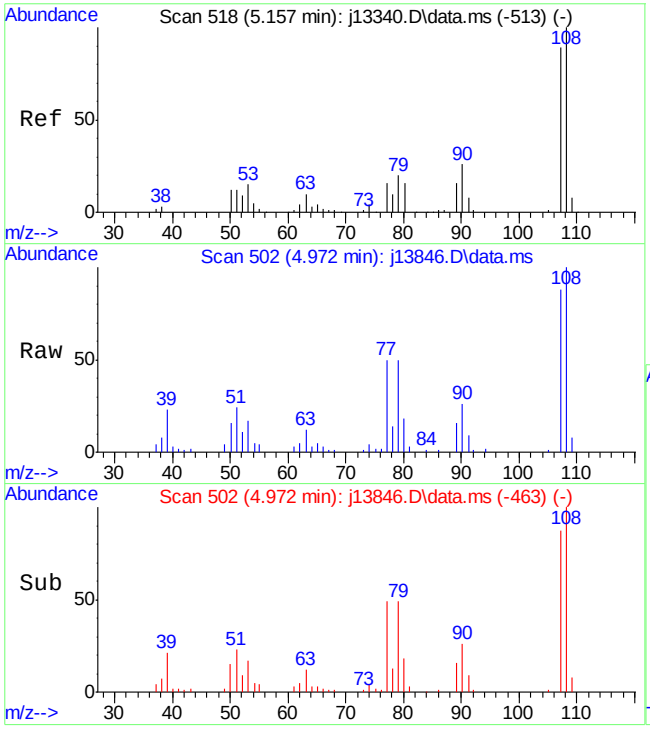


#7
Aniline
Concen: 4.54 ug/ml
RT: 4.464 min Scan# 407
Delta R.T. 0.009 min
Lab File: j13846.D
Acq: 15 Oct 2009 3:21 pm

Tgt Ion: 93 Resp: 46149

Ion	Ratio	Lower	Upper
93	100		
66	0.0	21.2	61.2#
65	0.0	2.0	42.0#

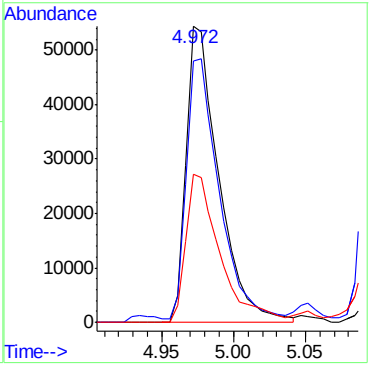


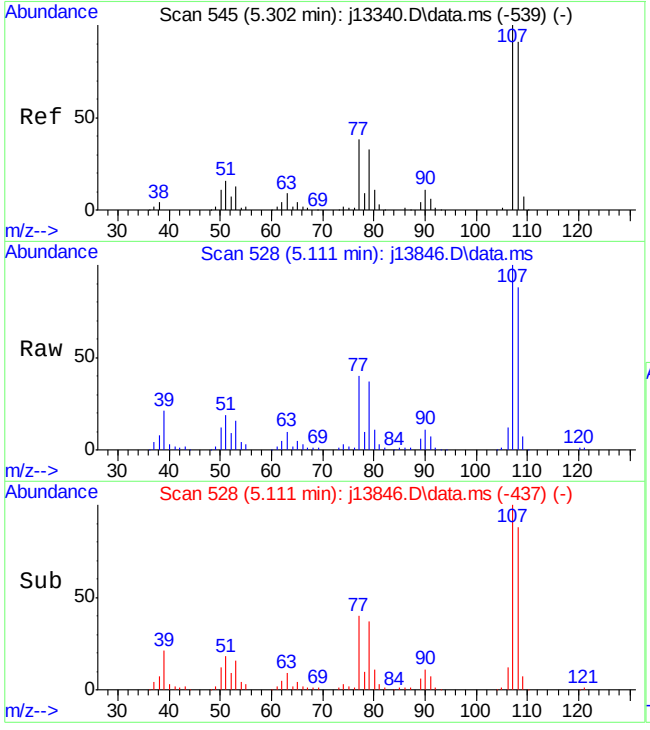


#14
2-Methylphenol
Concen: 6.39 ug/ml
RT: 4.972 min Scan# 502
Delta R.T. 0.010 min
Lab File: j13846.D
Acq: 15 Oct 2009 3:21 pm

Tgt Ion:108 Resp: 86375

Ion	Ratio	Lower	Upper
108	100		
107	87.7	68.3	108.3
77	52.1	30.8	70.8

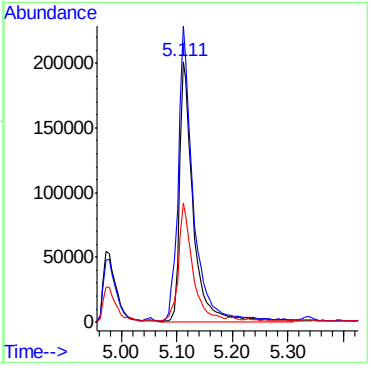


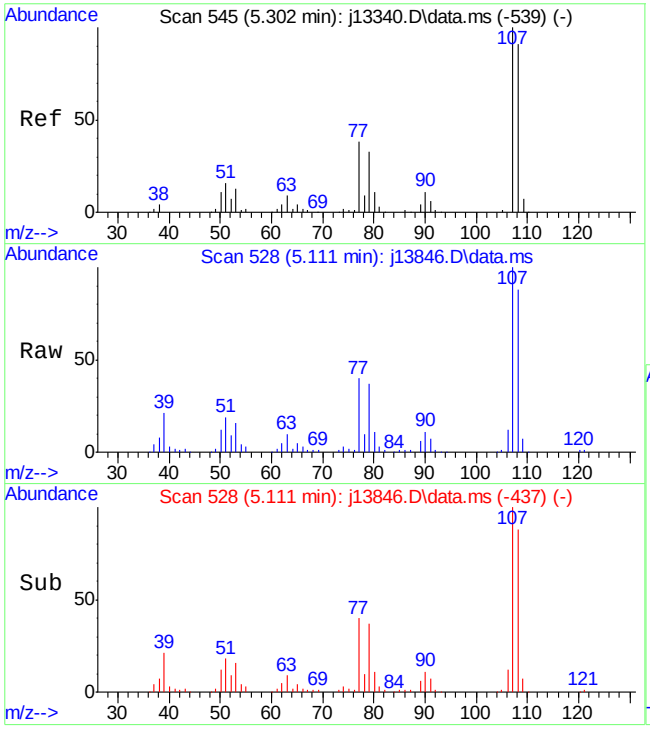


#16
4-Methylphenol
Concen: 24.50 ug/ml
RT: 5.111 min Scan# 528
Delta R.T. -0.011 min
Lab File: j13846.D
Acq: 15 Oct 2009 3:21 pm

Tgt Ion:108 Resp: 350335

Ion	Ratio	Lower	Upper
108	100		
107	122.4	139.5	179.5#
77	46.3	36.8	76.8

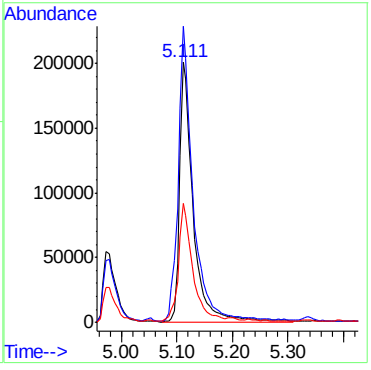


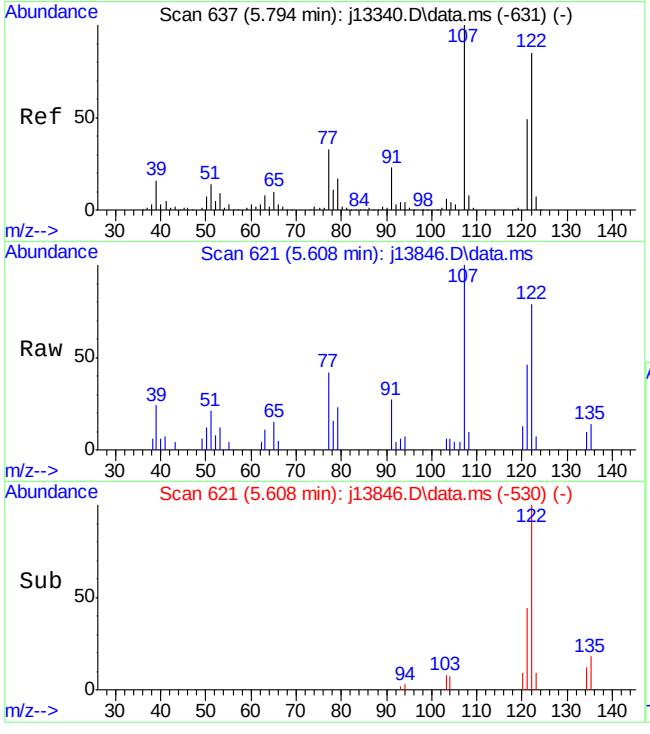


#17
m+p-Cresols
Concen: 24.50 ug/ml
RT: 5.111 min Scan# 528
Delta R.T. -0.011 min
Lab File: j13846.D
Acq: 15 Oct 2009 3:21 pm

Tgt Ion:108 Resp: 350335

Ion	Ratio	Lower	Upper
108	100		
107	122.4	139.5	179.5#
77	46.3	36.8	76.8

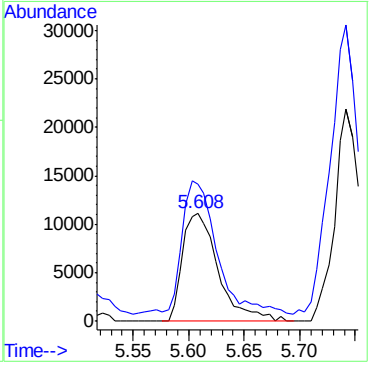


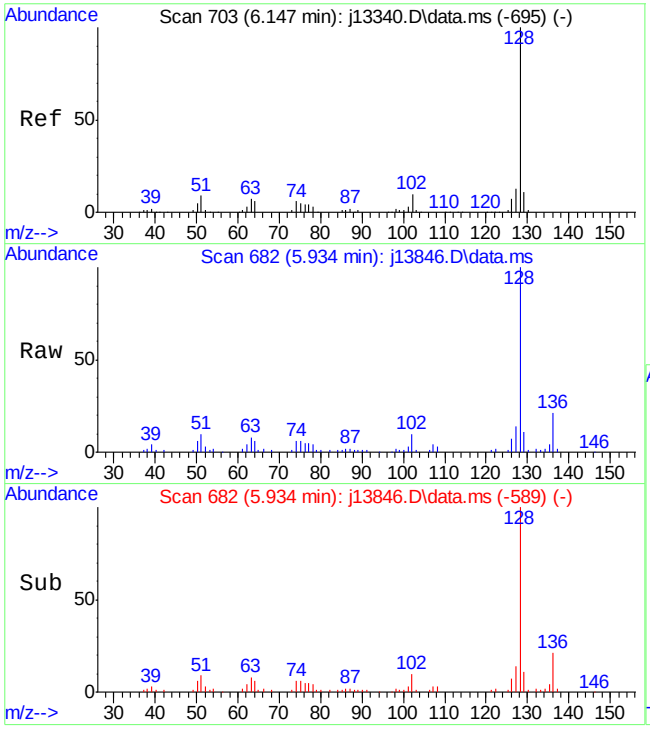


#25
2,4-Dimethylphenol
Concen: 1.96 ug/ml
RT: 5.608 min Scan# 621
Delta R.T. -0.011 min
Lab File: j13846.D
Acq: 15 Oct 2009 3:21 pm

Tgt Ion:122 Resp: 24778

Ion	Ratio	Lower	Upper
122	100		
107	120.8	96.3	136.3

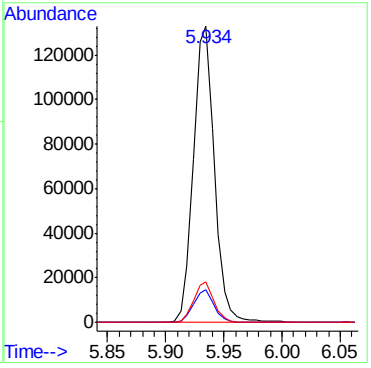




#30
Naphthalene
Concen: 3.78 ug/ml
RT: 5.934 min Scan# 682
Delta R.T. -0.000 min
Lab File: j13846.D
Acq: 15 Oct 2009 3:21 pm

Tgt Ion:128 Resp: 166144

Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	31.2
127	13.1	0.0	33.8



8.1.20

8

ACCUTEST Laboratories T39513

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez 10/27/09 17:03

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1919\H35562.D Vial: 20
Acq On : 22 Oct 2009 8:32 pm Operator: sheilac
Sample : t39513-1 Inst : TXMSH
Misc : OP13270,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 12:36 2009 Quant Results File: H10229SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 17:47:22 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.63	152	78869	4.00	ppb	-0.03
4) Naphthalene-d8	7.54	136	66787	4.00	ppb	-0.03
9) Acenaphthene-d10	9.57	164	67764	4.00	ppb	0.00
15) Phenanthrene-d10	11.09	188	83833	4.00	ppb	0.00
21) Chrysene-d12	13.90	240	16087	4.00	ppb	0.00
26) Perylene-d12	16.35	264	5085	4.00	ppb	-0.02

System Monitoring Compounds

5) Nitrobenzene-d5	6.57	82	63808	13.36	ppb	0.00
Spiked Amount 5.000	Range 17 - 131		Recovery = 267.20%#			
10) 2-Fluorobiphenyl	8.87	172	664707	12.16	ppb	0.00
Spiked Amount 5.000	Range 15 - 137		Recovery = 243.20%#			
16) 2,4,6-Tribromophenol	10.42	330	280575	109.11	ppb	0.02
Spiked Amount 10.000	Range 10 - 123		Recovery = 1091.10%#			
23) Terphenyl-d14	12.66	244	304789	53.89	ppb	0.00
Spiked Amount 5.000	Range 10 - 160		Recovery = 1077.80%#			

Target Compounds

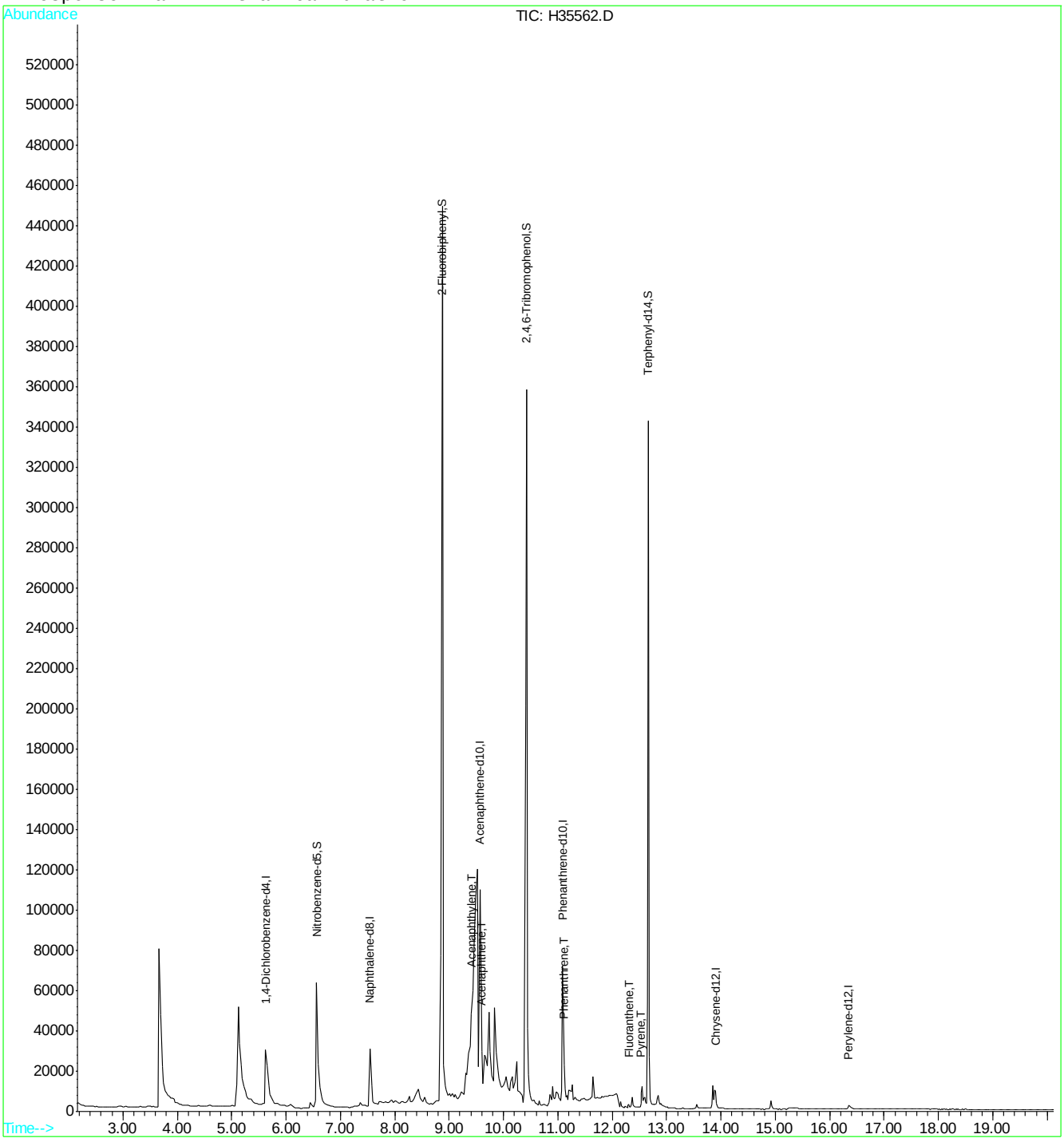
						Qvalue
11) Acenaphthylene	9.41	152	19929	0.41	ppb #	87
12) Acenaphthene	9.60	153	4984m	0.12	ppb	
18) Phenanthrene	11.11	178	11045	0.28	ppb	90
20) Fluoranthene	12.31	202	3031m	0.16	ppb	
22) Pyrene	12.52	202	2236m	0.18	ppb	

(#) = qualifier out of range (m) = manual integration
H35562.D H10229SP.M Fri Oct 23 12:44:38 2009

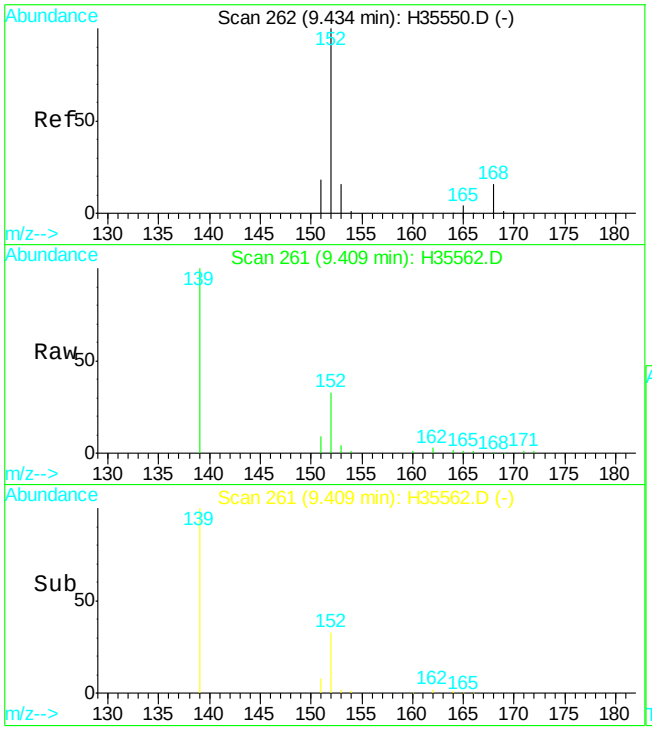
Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1919\H35562.D Vial: 20
Acq On : 22 Oct 2009 8:32 pm Operator: sheilac
Sample : t39513-1 Inst : TXMSH
Misc : OP13270,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 12:36 2009 Quant Results File: H10229SP.RES

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 17:47:22 2009
Response via : Initial Calibration



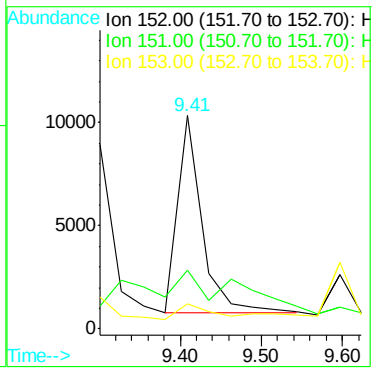
H35562.D H10229SP.M Fri Oct 23 12:44:38 2009 Page 2

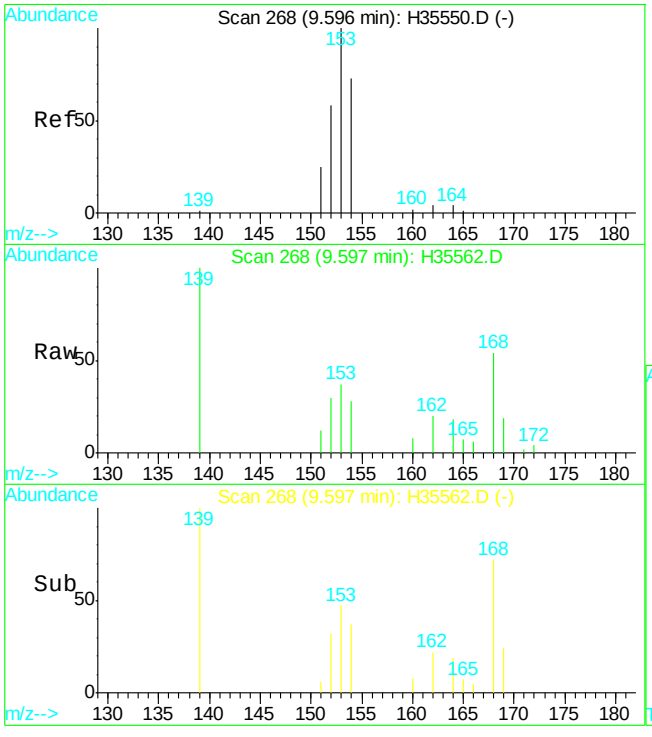


#11
Acenaphthylene
Concen: 0.41 ppb
RT: 9.41 min Scan# 261
Delta R.T. -0.03 min
Lab File: H35562.D
Acq: 22 Oct 2009 8:32 pm

Tgt Ion:152 Resp: 19929

Ion	Ratio	Lower	Upper
152	100		
151	15.7	12.7	23.7
153	6.6	10.9	20.3#

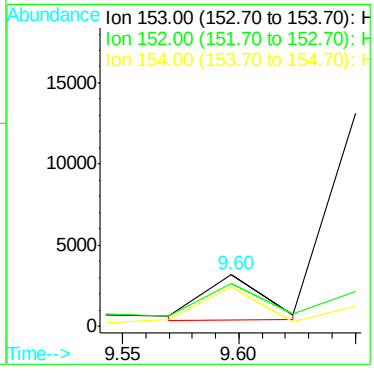


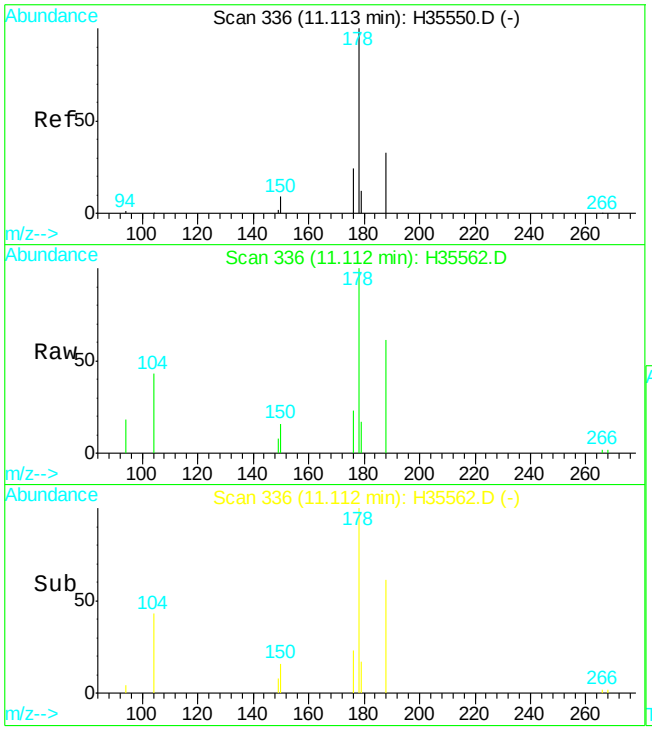


#12
Acenaphthene
Concen: 0.12 ppb m
RT: 9.60 min Scan# 268
Delta R.T. 0.00 min
Lab File: H35562.D
Acq: 22 Oct 2009 8:32 pm

Tgt Ion:153 Resp: 4984

Ion	Ratio	Lower	Upper
153	100		
152	81.2	40.9	76.0#
154	76.0	50.9	94.5

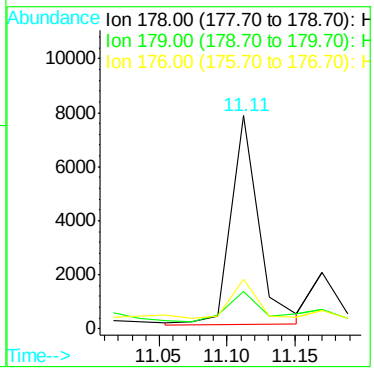


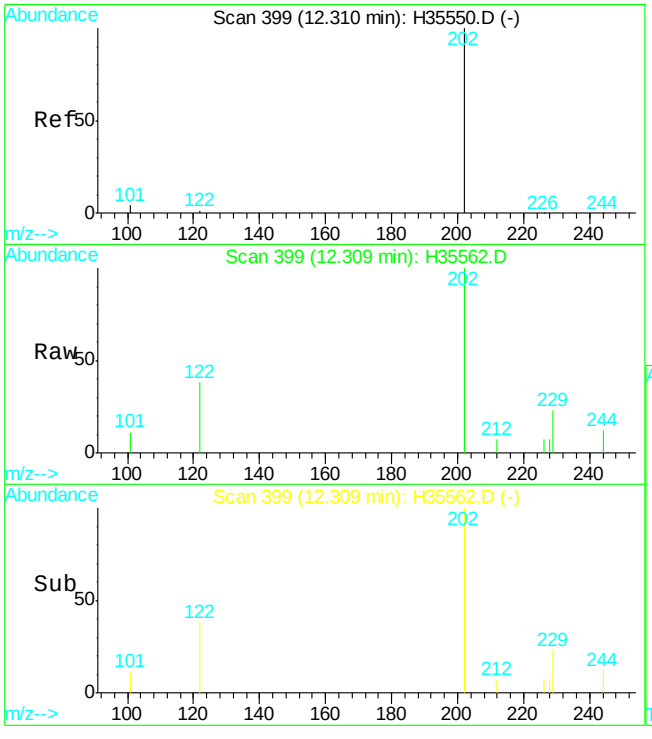


#18
Phenanthrene
Concen: 0.28 ppb
RT: 11.11 min Scan# 336
Delta R.T. -0.00 min
Lab File: H35562.D
Acq: 22 Oct 2009 8:32 pm

Tgt Ion:178 Resp: 11045

Ion	Ratio	Lower	Upper
178	100		
179	12.4	8.1	15.1
176	18.1	17.4	32.4

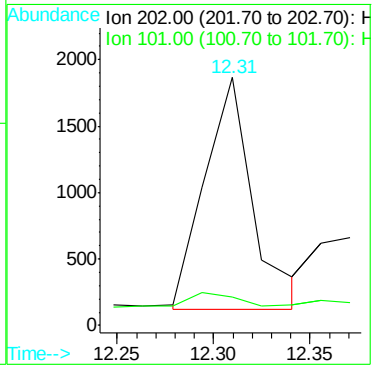


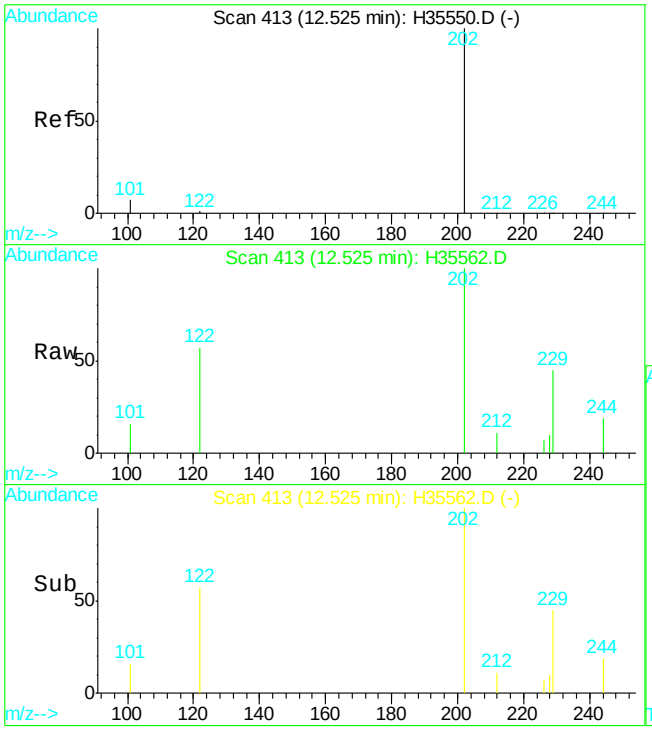


#20
Fluoranthene
Concen: 0.16 ppb m
RT: 12.31 min Scan# 399
Delta R.T. 0.00 min
Lab File: H35562.D
Acq: 22 Oct 2009 8:32 pm

Tgt Ion:202 Resp: 3031

Ion	Ratio	Lower	Upper
202	100		
101	11.3	2.8	5.2#

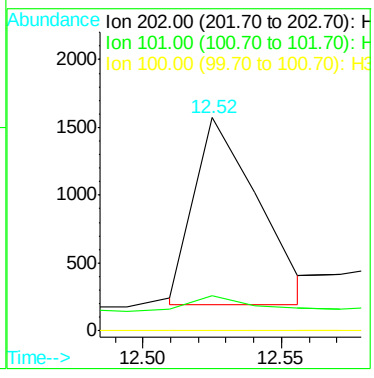




#22
Pyrene
Concen: 0.18 ppb m
RT: 12.52 min Scan# 413
Delta R.T. -0.00 min
Lab File: H35562.D
Acq: 22 Oct 2009 8:32 pm

Tgt Ion:202 Resp: 2236

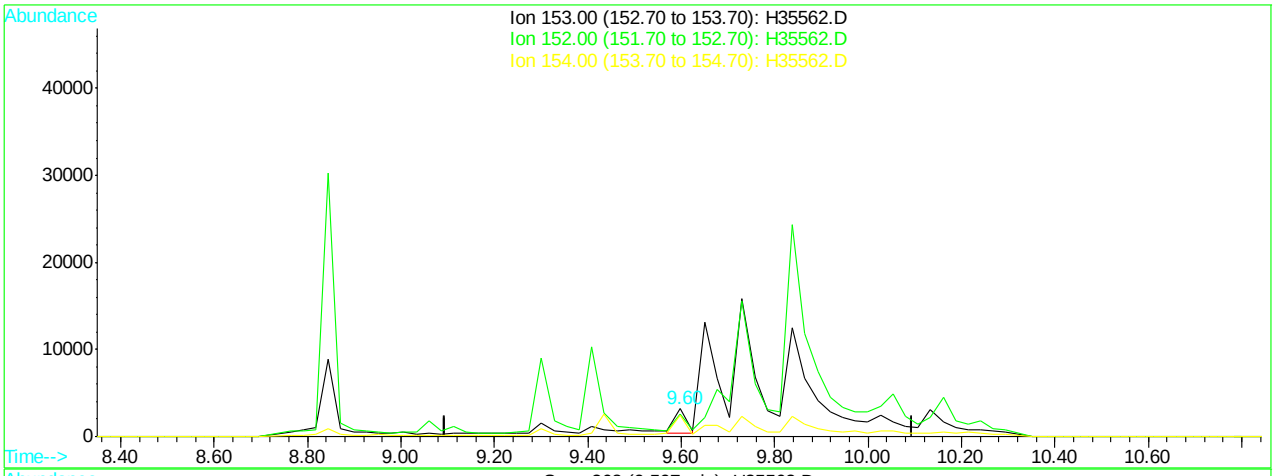
Ion	Ratio	Lower	Upper
202	100		
101	16.3	4.8	8.8#
100	0.0	0.0	0.0

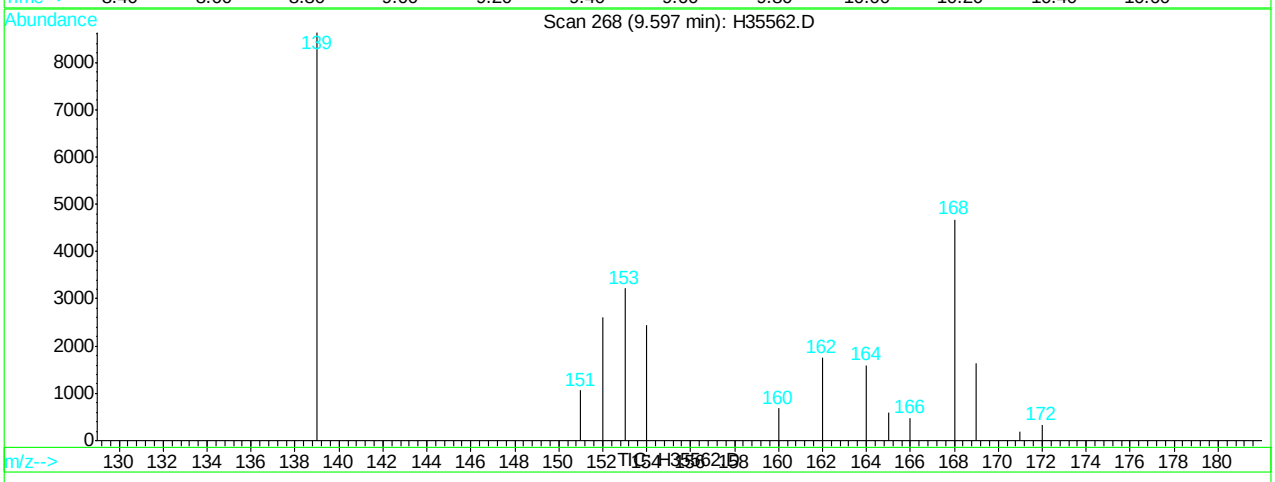


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35562.D Vial: 20
Acq On : 22 Oct 2009 8:32 pm Operator: sheilac
Sample : t39513-1 Inst : TXMSH
Misc : OP13270,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 12:36 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 17:47:22 2009
Response via : Multiple Level Calibration





(12) Acenaphthene (T)

9.60min 0.12ppb m

response 4984

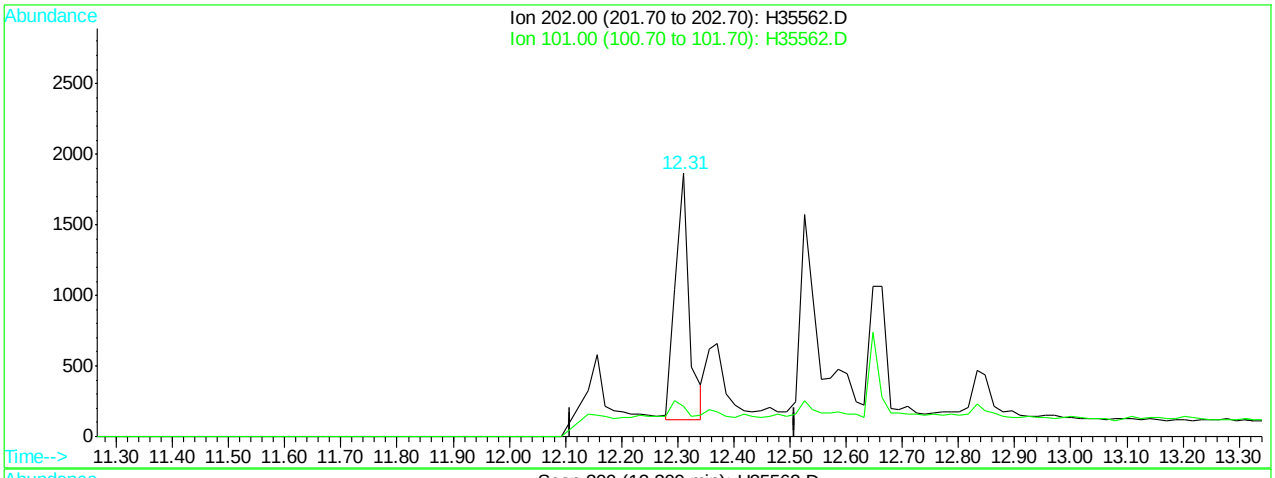
Ion	Exp%	Act%
153.00	100	100
152.00	58.50	81.24#
154.00	72.70	75.98
0.00	0.00	0.00

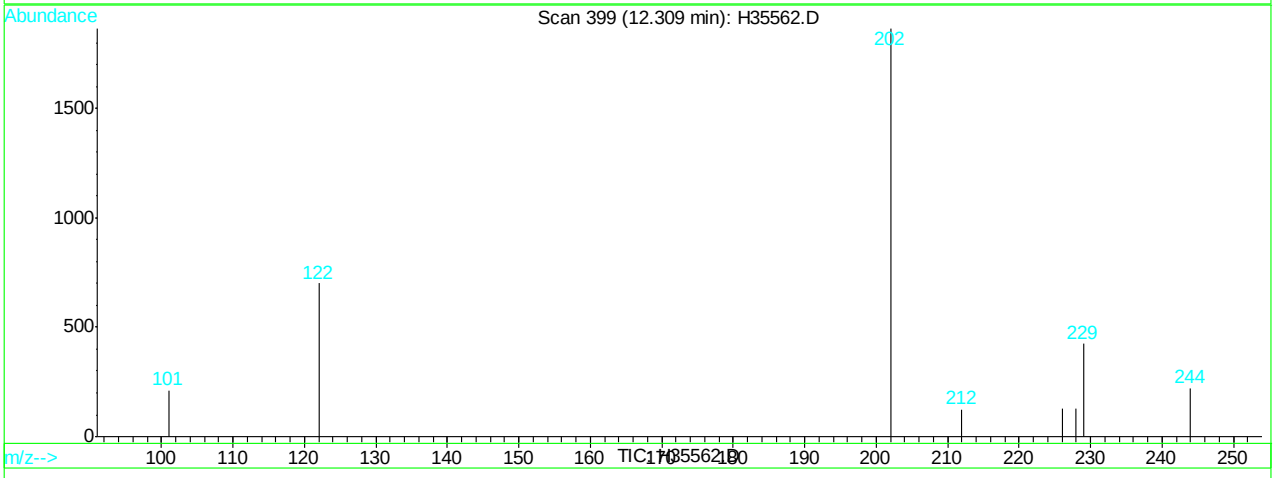
H35562.D H10229SP.M Fri Oct 23 12:44:50 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35562.D Vial: 20
Acq On : 22 Oct 2009 8:32 pm Operator: sheilac
Sample : t39513-1 Inst : TXMSH
Misc : OP13270,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 12:36 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 17:47:22 2009
Response via : Multiple Level Calibration





(20) Fluoranthene (T)

12.31min 0.16ppb m

response 3031

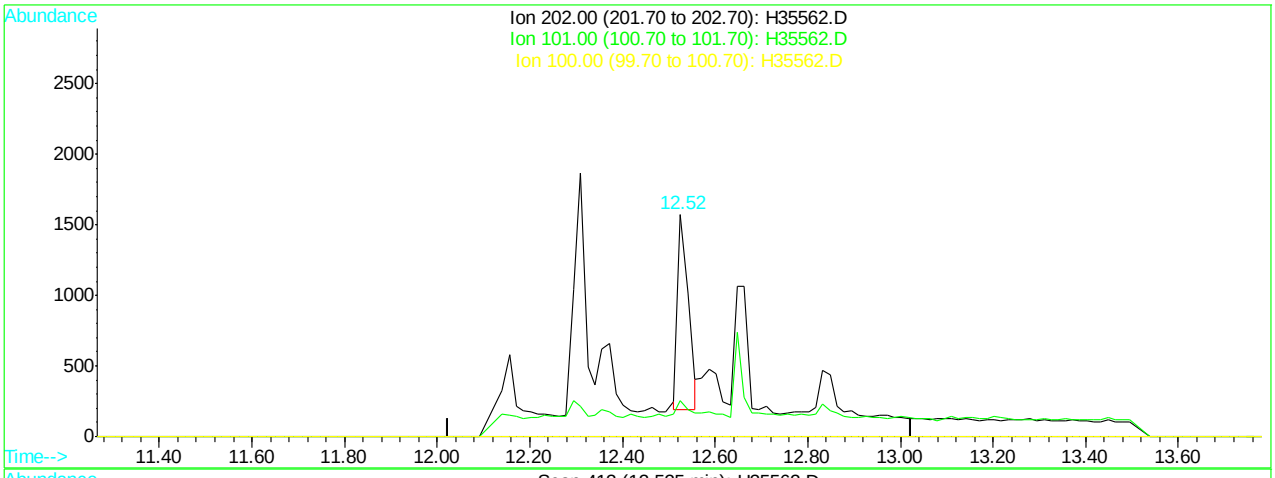
Ion	Exp%	Act%
202.00	100	100
101.00	4.00	11.31#
0.00	0.00	0.00
0.00	0.00	0.00

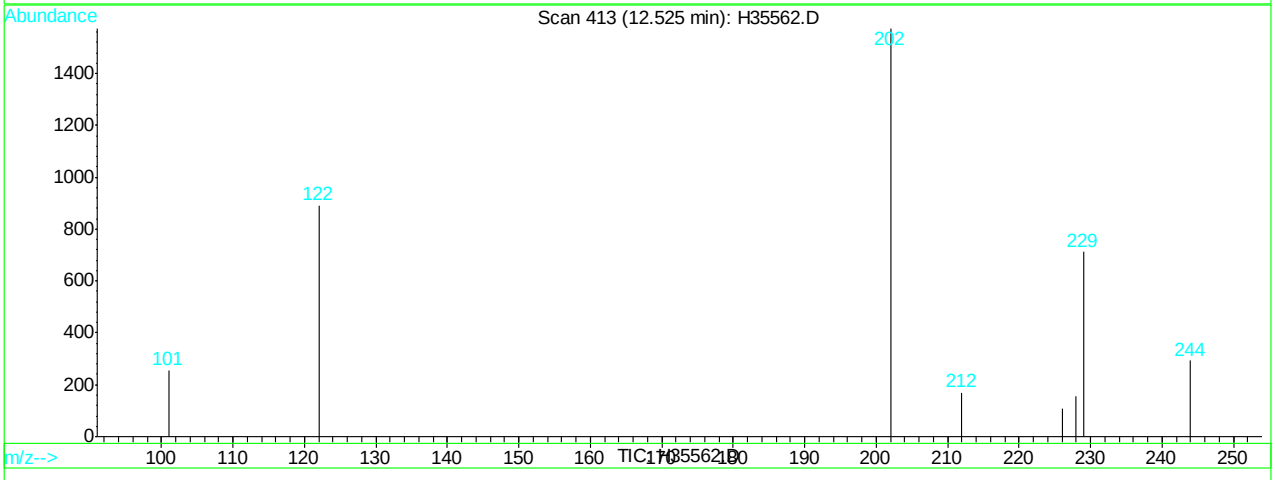
H35562.D H10229SP.M Fri Oct 23 12:44:55 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35562.D Vial: 20
Acq On : 22 Oct 2009 8:32 pm Operator: sheilac
Sample : t39513-1 Inst : TXMSH
Misc : OP13270,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 12:36 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 17:47:22 2009
Response via : Multiple Level Calibration





(22) Pyrene (T)

12.52min 0.18ppb m

response 2236

Ion	Exp%	Act%
202.00	100	100
101.00	6.80	16.27#
100.00	0.00	0.00
0.00	0.00	0.00

H35562.D H10229SP.M Fri Oct 23 12:44:59 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/27/09 17:03

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1919\H35563.D Vial: 21
Acq On : 22 Oct 2009 9:01 pm Operator: sheilac
Sample : t39513-2 Inst : TXMSH
Misc : OP13270,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 12:40 2009 Quant Results File: H10229SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 17:47:22 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.63	152	93386	4.00	ppb	-0.02
4) Naphthalene-d8	7.54	136	70576	4.00	ppb	-0.03
9) Acenaphthene-d10	9.57	164	62797	4.00	ppb	0.00
15) Phenanthrene-d10	11.09	188	98328	4.00	ppb	0.00
21) Chrysene-d12	13.90	240	15358	4.00	ppb	0.00
26) Perylene-d12	16.37	264	5142	4.00	ppb	0.00

System Monitoring Compounds

5) Nitrobenzene-d5	6.57	82	96255	17.96	ppb	0.00
Spiked Amount 5.000	Range 17 - 131		Recovery = 359.20%#			
10) 2-Fluorobiphenyl	8.87	172	1290020	25.46	ppb	0.00
Spiked Amount 5.000	Range 15 - 137		Recovery = 509.20%#			
16) 2,4,6-Tribromophenol	10.40	330	271055	89.87	ppb	0.00
Spiked Amount 10.000	Range 10 - 123		Recovery = 898.70%#			
23) Terphenyl-d14	12.66	244	258780	48.52	ppb	0.00
Spiked Amount 5.000	Range 10 - 160		Recovery = 970.40%#			

Target Compounds

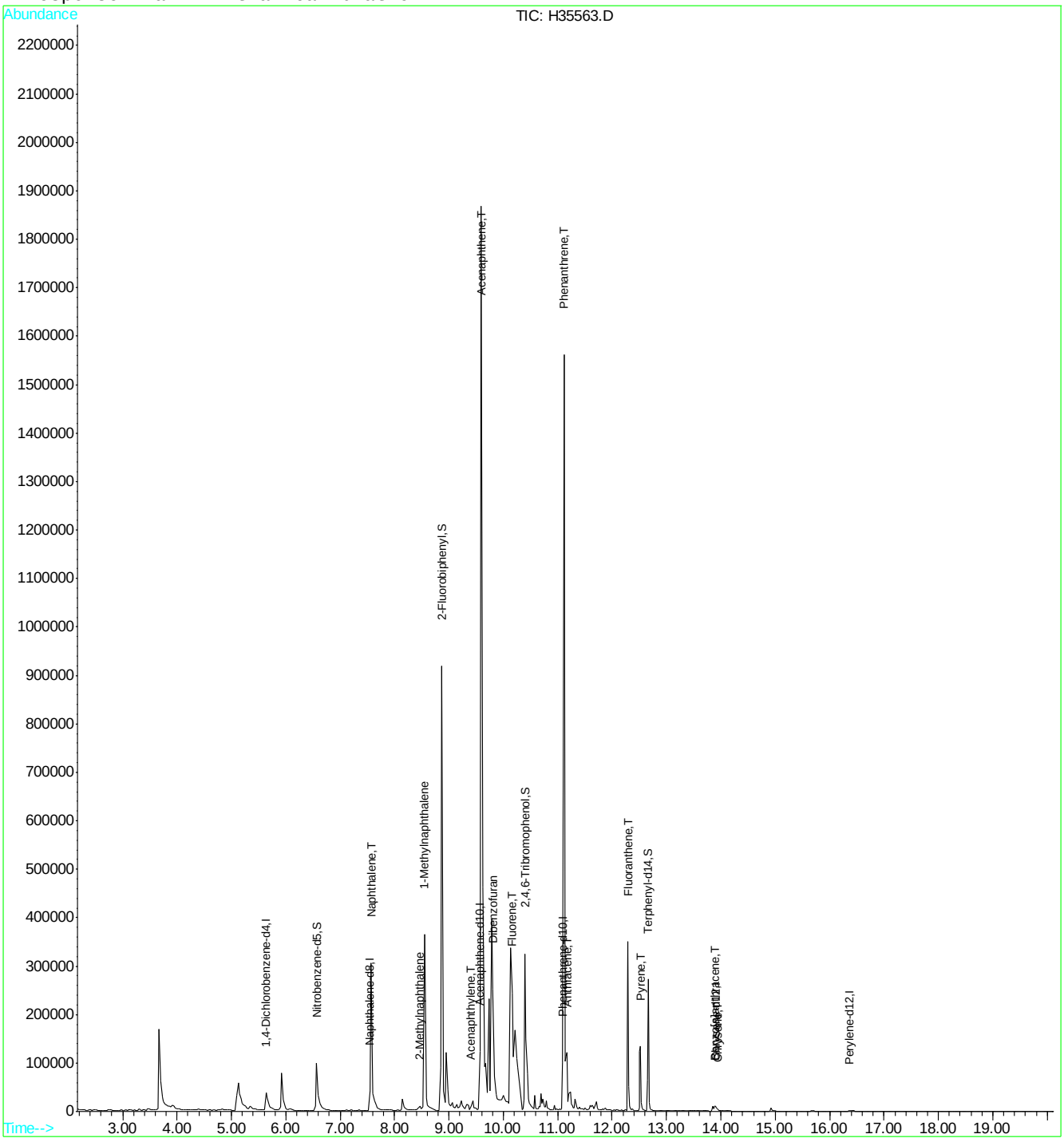
							Qvalue
6) Naphthalene	7.57	128	441675	9.24	ppb		93
7) 2-Methylnaphthalene	8.47	142	15976m	0.65	ppb		
8) 1-Methylnaphthalene	8.55	142	436759	9.16	ppb	#	55
11) Acenaphthylene	9.41	152	10009	0.11	ppb	#	39
12) Acenaphthene	9.60	153	1561209	41.47	ppb		98
13) Dibenzofuran	9.81	168	514953	11.29	ppb	#	27
14) Fluorene	10.16	166	346592	17.50	ppb	#	72
18) Phenanthrene	11.11	178	1365491m	29.50	ppb		
19) Anthracene	11.17	178	97905m	1.83	ppb		
20) Fluoranthene	12.29	202	380354	11.02	ppb		99
22) Pyrene	12.53	202	245309	10.73	ppb	#	91
24) Benzo[a]anthracene	13.88	228	5554	1.39	ppb		92
25) Chrysene	13.94	228	7324m	1.07	ppb		

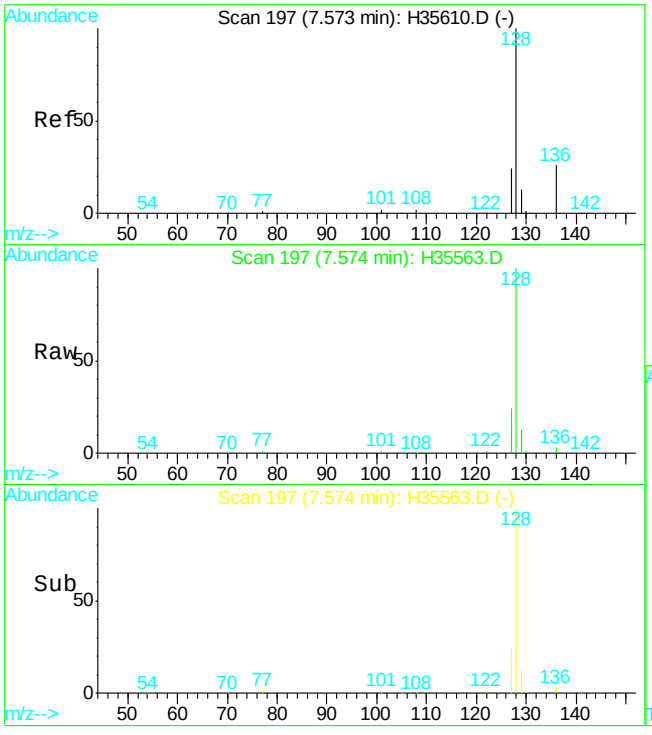
(#) = qualifier out of range (m) = manual integration
H35563.D H10269SP.M Tue Oct 27 14:30:04 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1919\H35563.D Vial: 21
Acq On : 22 Oct 2009 9:01 pm Operator: sheilac
Sample : t39513-2 Inst : TXMSH
Misc : OP13270,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 12:40 2009 Quant Results File: H10229SP.RES

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Initial Calibration

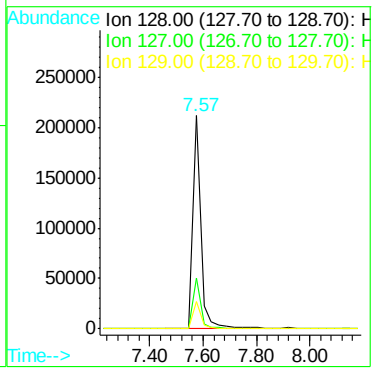


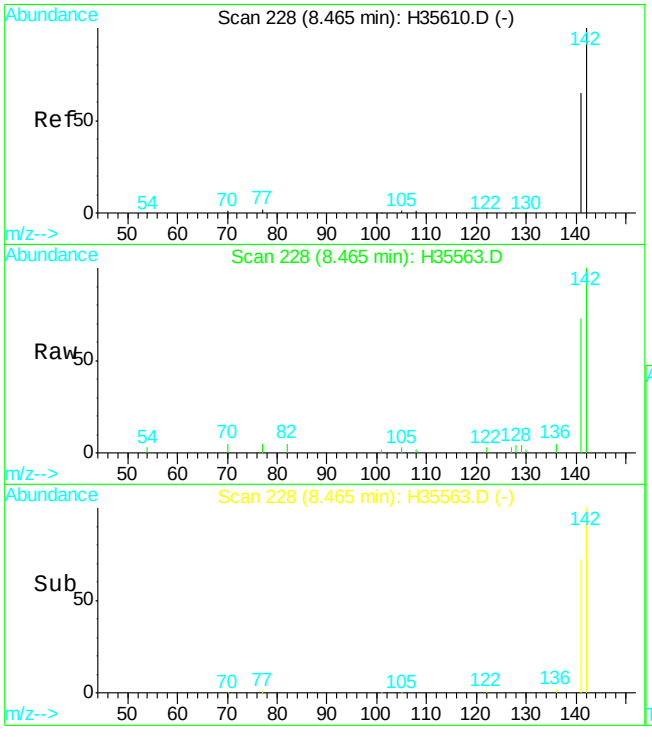


#6
Naphthalene
Concen: 9.24 ppb
RT: 7.57 min Scan# 197
Delta R.T. -0.00 min
Lab File: H35563.D
Acq: 22 Oct 2009 9:01 pm

Tgt Ion:128 Resp: 441675

Ion	Ratio	Lower	Upper
128	100		
127	23.6	18.8	35.0
129	12.9	7.0	13.0

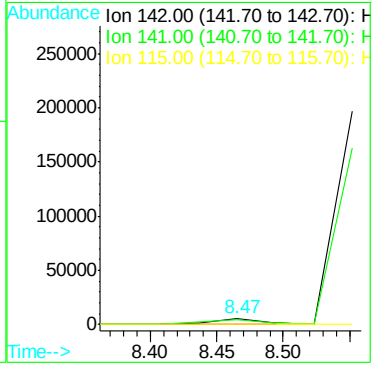


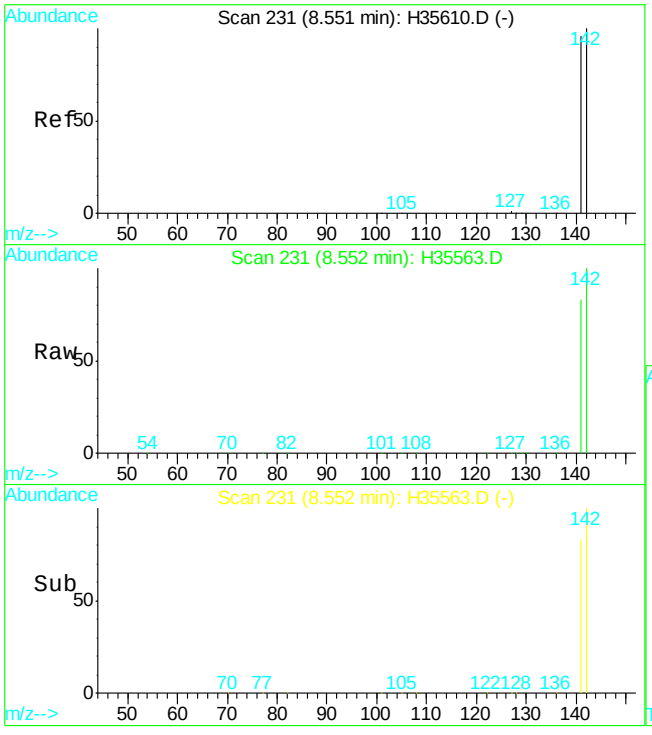


#7
2-Methylnaphthalene
Concen: 0.65 ppb m
RT: 8.47 min Scan# 228
Delta R.T. -0.00 min
Lab File: H35563.D
Acq: 22 Oct 2009 9:01 pm

Tgt Ion:142 Resp: 15976

Ion	Ratio	Lower	Upper
142	100		
141	2242.3	0.0	0.0#
115	0.0	0.0	0.0

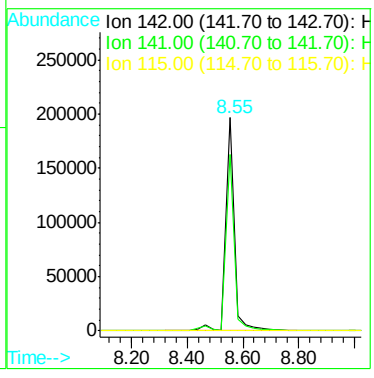


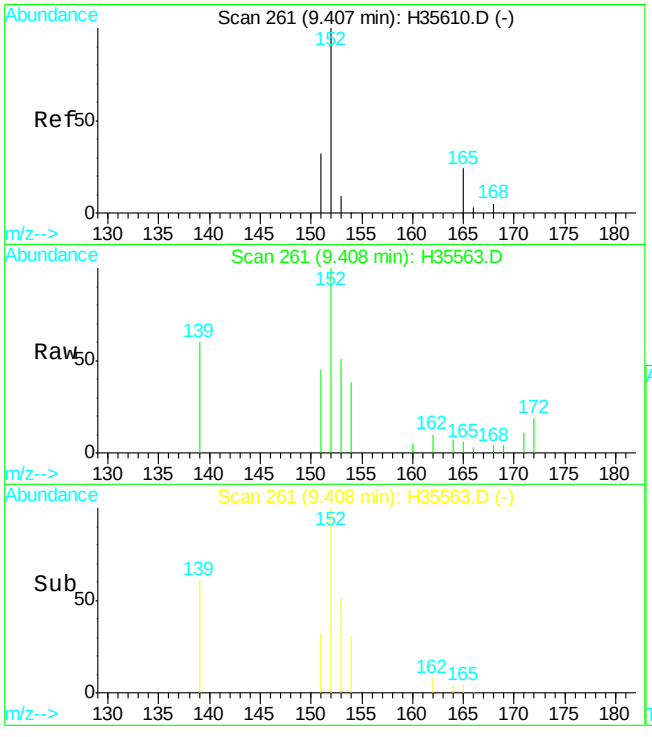


#8
1-Methylnaphthalene
Concen: 9.16 ppb
RT: 8.55 min Scan# 231
Delta R.T. -0.00 min
Lab File: H35563.D
Acq: 22 Oct 2009 9:01 pm

Tgt Ion:142 Resp: 436759

Ion	Ratio	Lower	Upper
142	100		
141	82.0	94.6	175.6#
115	0.0	0.0	0.0

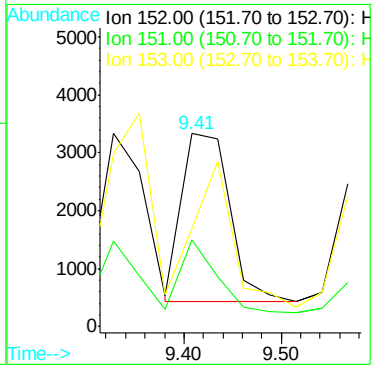


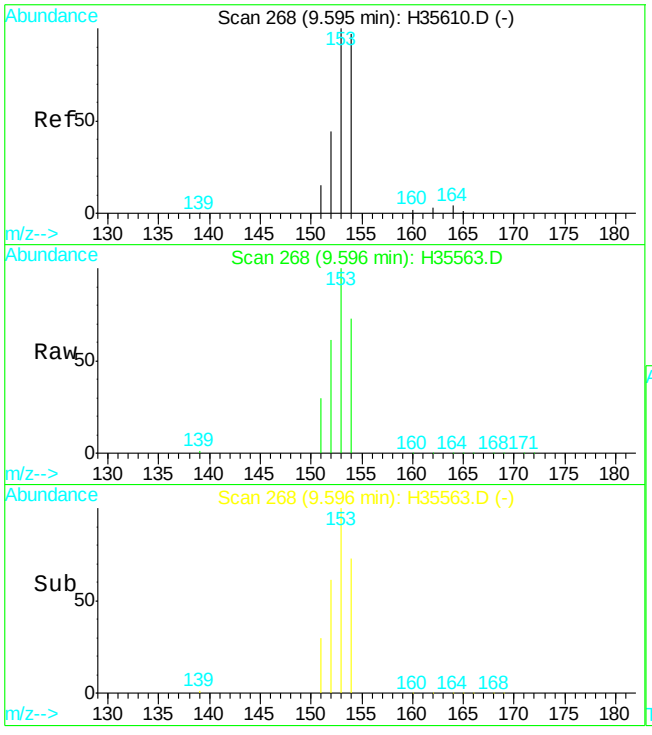


#11
Acenaphthylene
Concen: 0.11 ppb
RT: 9.41 min Scan# 261
Delta R.T. -0.03 min
Lab File: H35563.D
Acq: 22 Oct 2009 9:01 pm

Tgt Ion:152 Resp: 10009

Ion	Ratio	Lower	Upper
152	100		
151	43.0	12.7	23.7#
153	43.7	10.9	20.3#

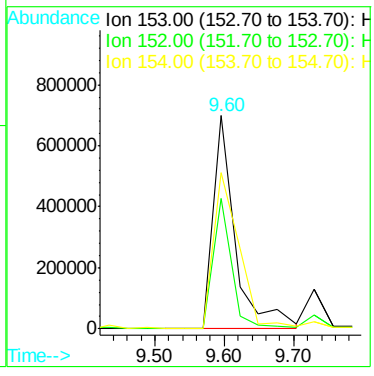


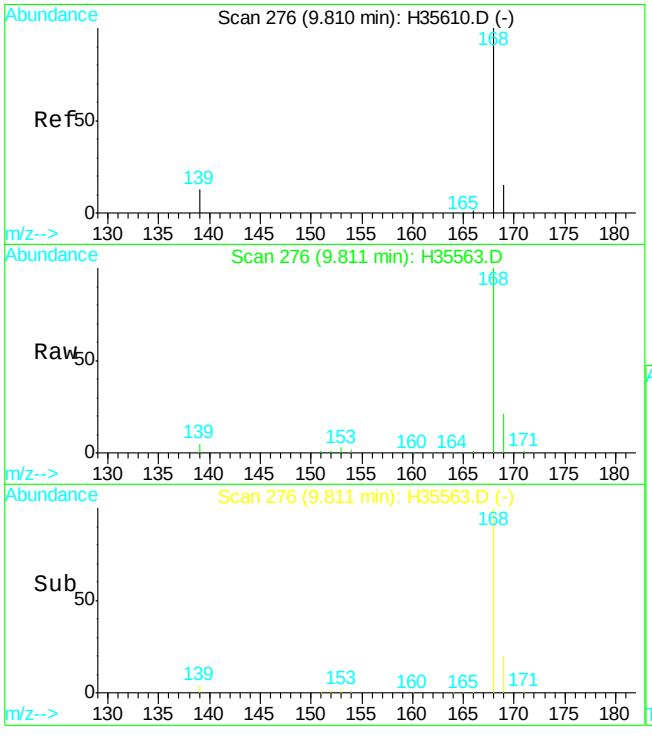


#12
Acenaphthene
Concen: 41.47 ppb
RT: 9.60 min Scan# 268
Delta R.T. 0.00 min
Lab File: H35563.D
Acq: 22 Oct 2009 9:01 pm

Tgt Ion:153 Resp: 1561209

Ion	Ratio	Lower	Upper
153	100		
152	61.4	40.9	76.0
154	73.6	50.9	94.5

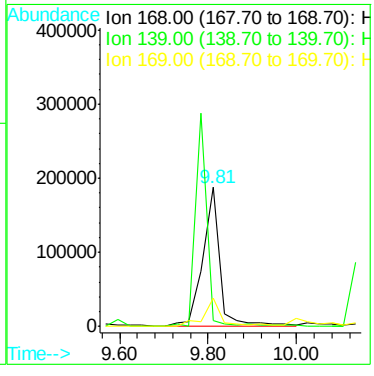


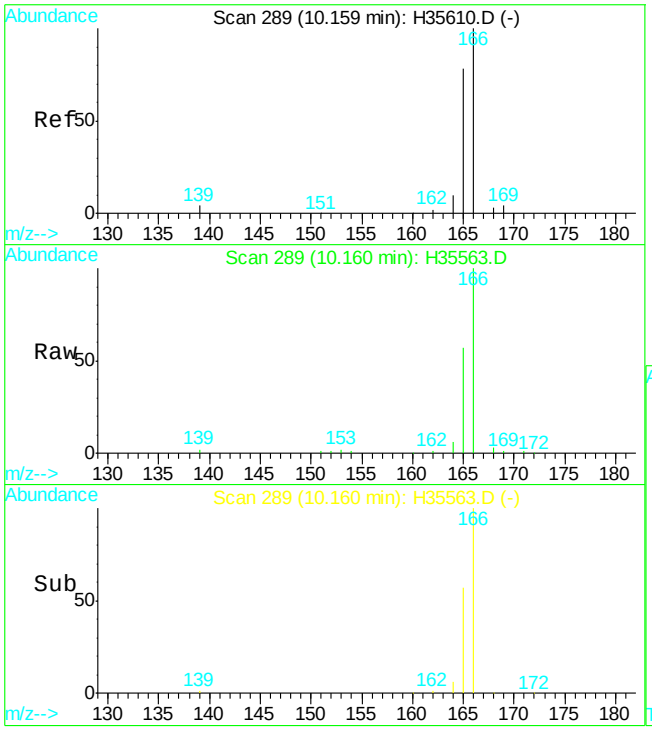


#13
Dibenzofuran
Concen: 11.29 ppb
RT: 9.81 min Scan# 276
Delta R.T. 0.00 min
Lab File: H35563.D
Acq: 22 Oct 2009 9:01 pm

Tgt Ion:168 Resp: 514953

Ion	Ratio	Lower	Upper
168	100		
139	99.1	28.8	53.6#
169	21.7	10.2	19.0#

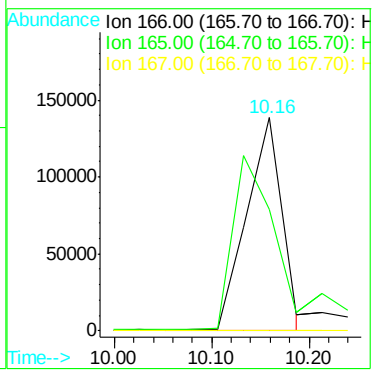


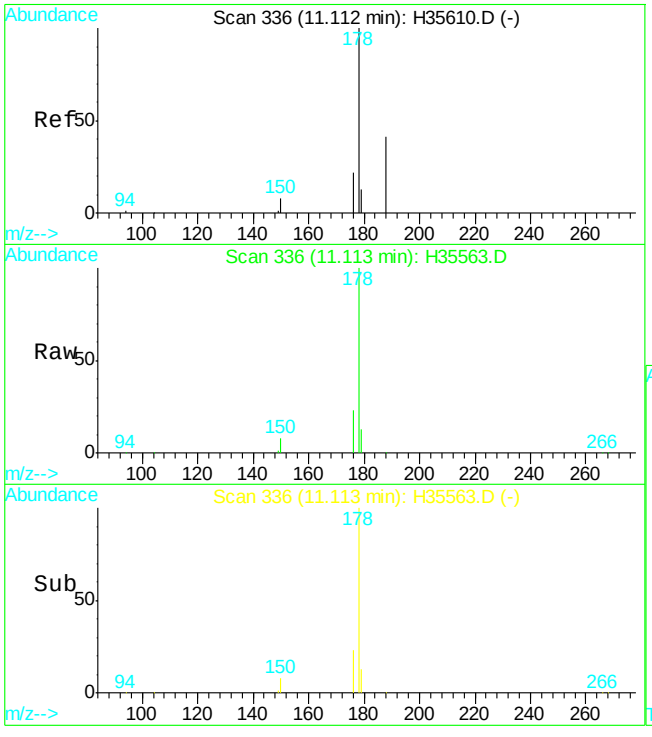


#14
Fluorene
Concen: 17.50 ppb
RT: 10.16 min Scan# 289
Delta R.T. 0.00 min
Lab File: H35563.D
Acq: 22 Oct 2009 9:01 pm

Tgt Ion:166 Resp: 346592

Ion	Ratio	Lower	Upper
166	100		
165	54.7	55.7	103.5#
167	0.0	0.0	0.0

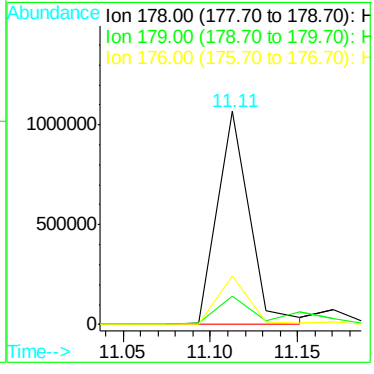


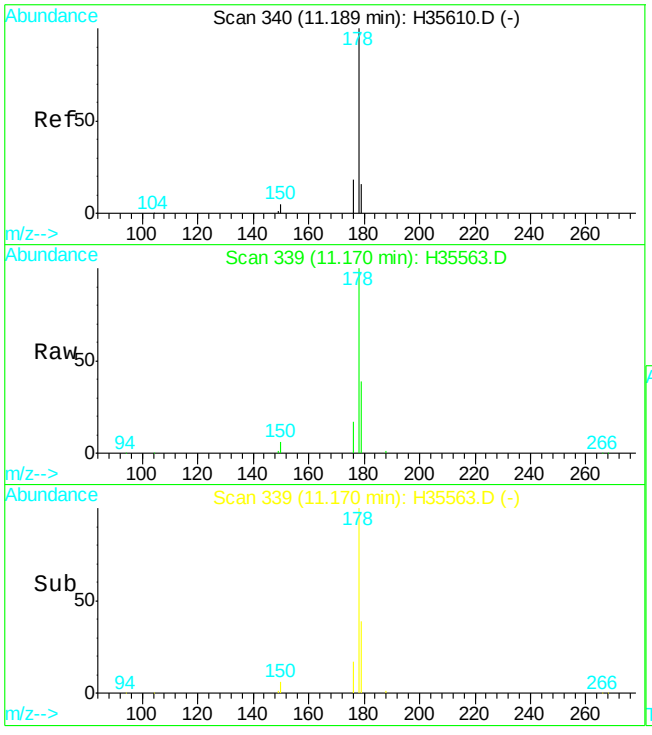


#18
Phenanthrene
Concen: 29.50 ppb m
RT: 11.11 min Scan# 336
Delta R.T. 0.00 min
Lab File: H35563.D
Acq: 22 Oct 2009 9:01 pm

Tgt Ion:178 Resp: 1365491

Ion	Ratio	Lower	Upper
178	100		
179	13.2	8.1	15.1
176	22.9	17.4	32.4

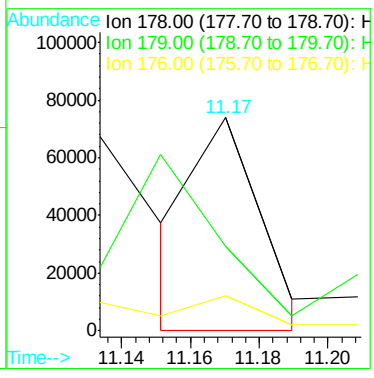


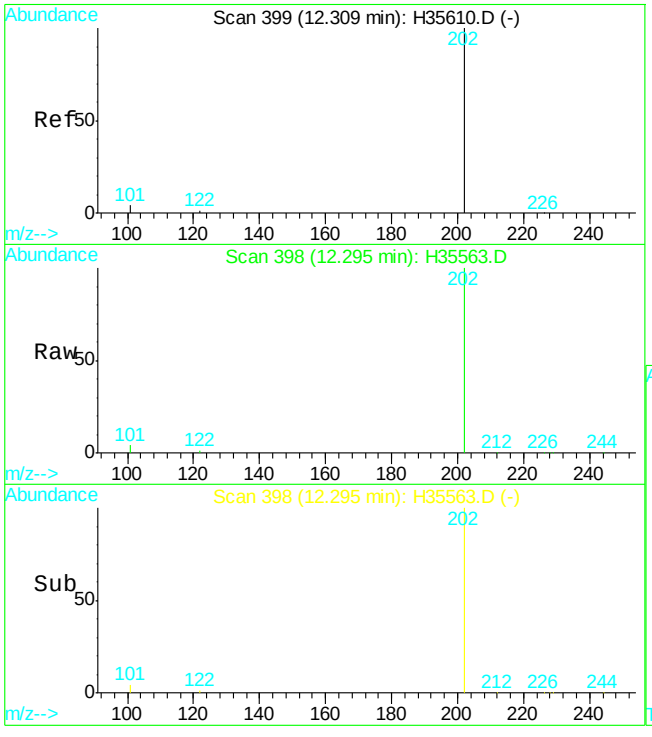


#19
Anthracene
Concen: 1.83 ppb m
RT: 11.17 min Scan# 339
Delta R.T. 0.00 min
Lab File: H35563.D
Acq: 22 Oct 2009 9:01 pm

Tgt Ion:178 Resp: 97905

Ion	Ratio	Lower	Upper
178	100		
179	39.4	8.4	15.6#
176	16.6	16.4	30.4

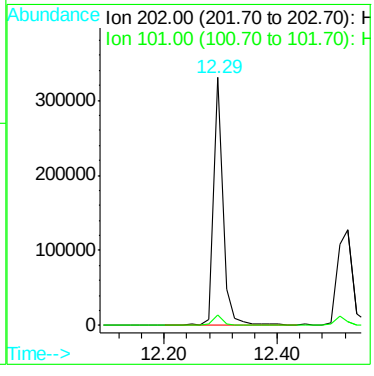


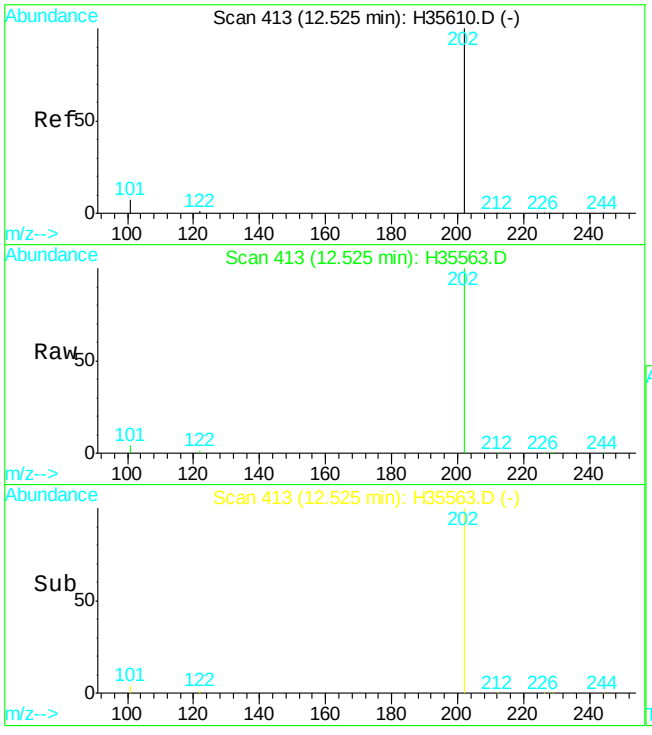


#20
Fluoranthene
Concen: 11.02 ppb
RT: 12.29 min Scan# 398
Delta R.T. -0.01 min
Lab File: H35563.D
Acq: 22 Oct 2009 9:01 pm

Tgt Ion:202 Resp: 380354

Ion	Ratio	Lower	Upper
202	100		
101	4.2	2.8	5.2

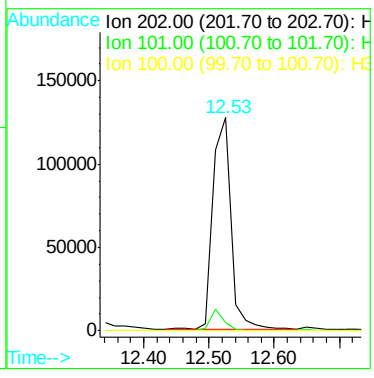


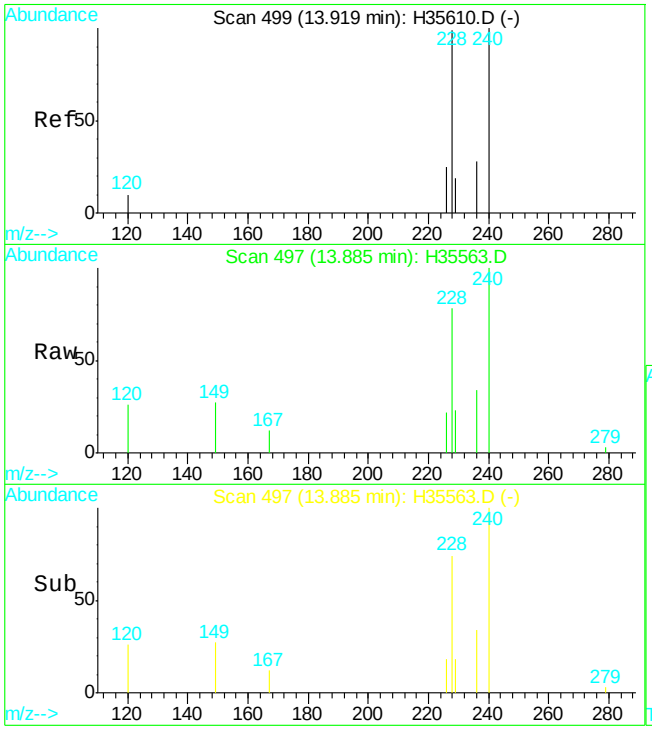


#22
Pyrene
Concen: 10.73 ppb
RT: 12.53 min Scan# 413
Delta R.T. 0.00 min
Lab File: H35563.D
Acq: 22 Oct 2009 9:01 pm

Tgt Ion:202 Resp: 245309

Ion	Ratio	Lower	Upper
202	100		
101	3.6	4.8	8.8#
100	0.0	0.0	0.0

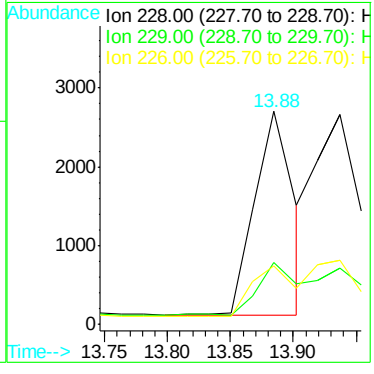




#24
Benzo[a]anthracene
Concen: 1.39 ppb
RT: 13.88 min Scan# 497
Delta R.T. 0.00 min
Lab File: H35563.D
Acq: 22 Oct 2009 9:01 pm

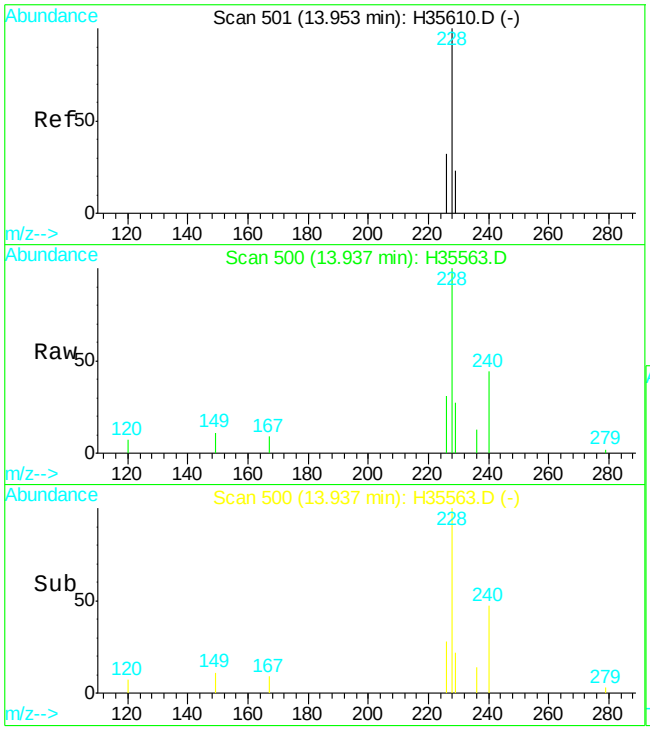
Tgt Ion:228 Resp: 5554

Ion	Ratio	Lower	Upper
228	100		
229	24.5	13.9	25.7
226	24.4	19.2	35.6



8.1.22

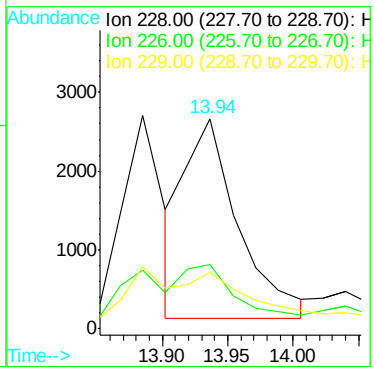
8



#25
Chrysene
Concen: 1.07 ppb m
RT: 13.94 min Scan# 500
Delta R.T. 0.00 min
Lab File: H35563.D
Acq: 22 Oct 2009 9:01 pm

Tgt Ion:228 Resp: 7324

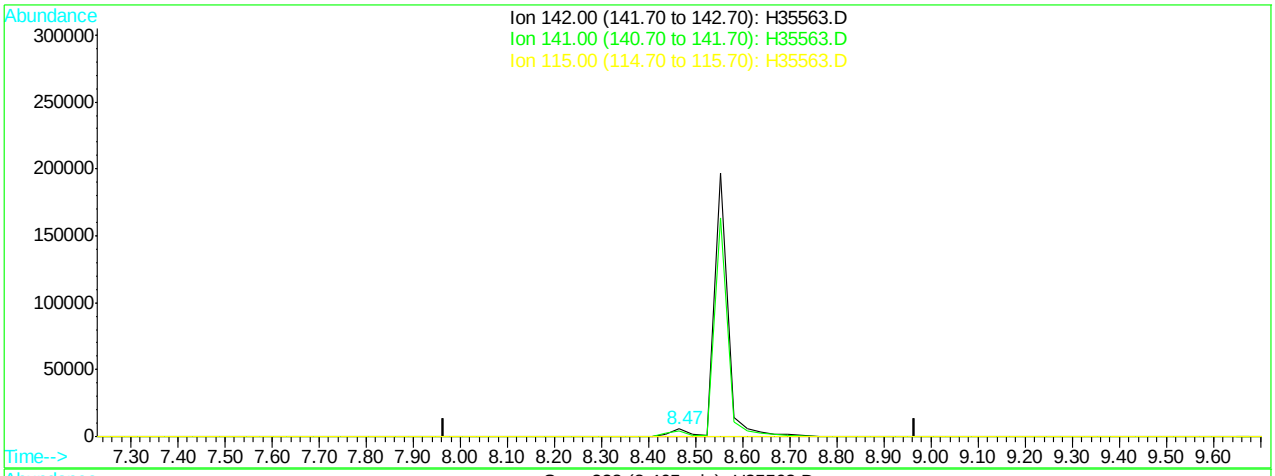
Ion	Ratio	Lower	Upper
228	100		
226	30.8	21.1	39.1
229	26.9	14.1	26.3#

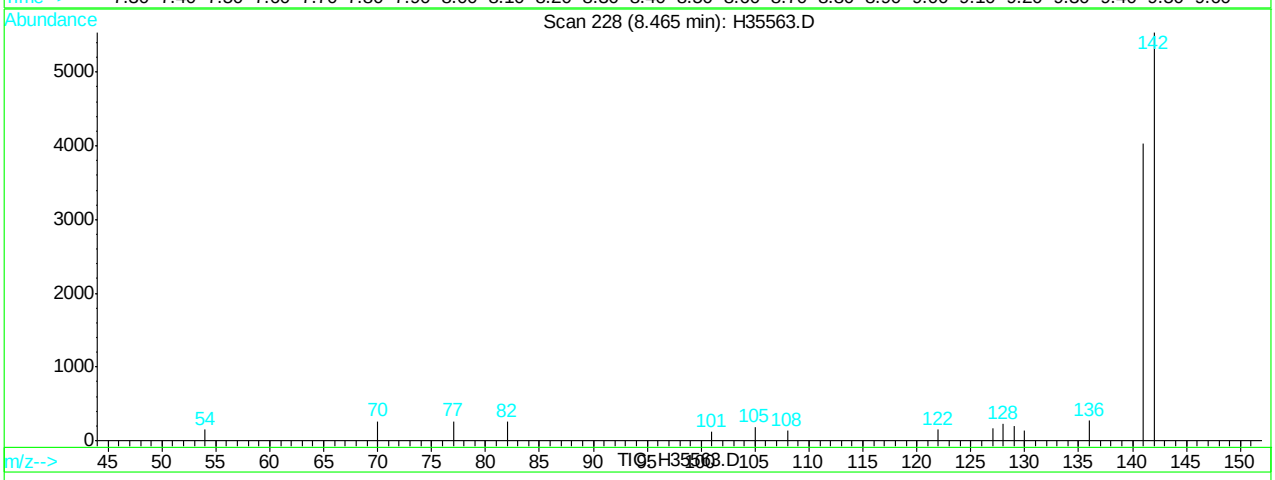


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35563.D Vial: 21
Acq On : 22 Oct 2009 9:01 pm Operator: sheilac
Sample : t39513-2 Inst : TXMSH
Misc : OP13270,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 12:40 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(7) 2-Methylnaphthalene

8.47min 0.65ppb m

response 15976

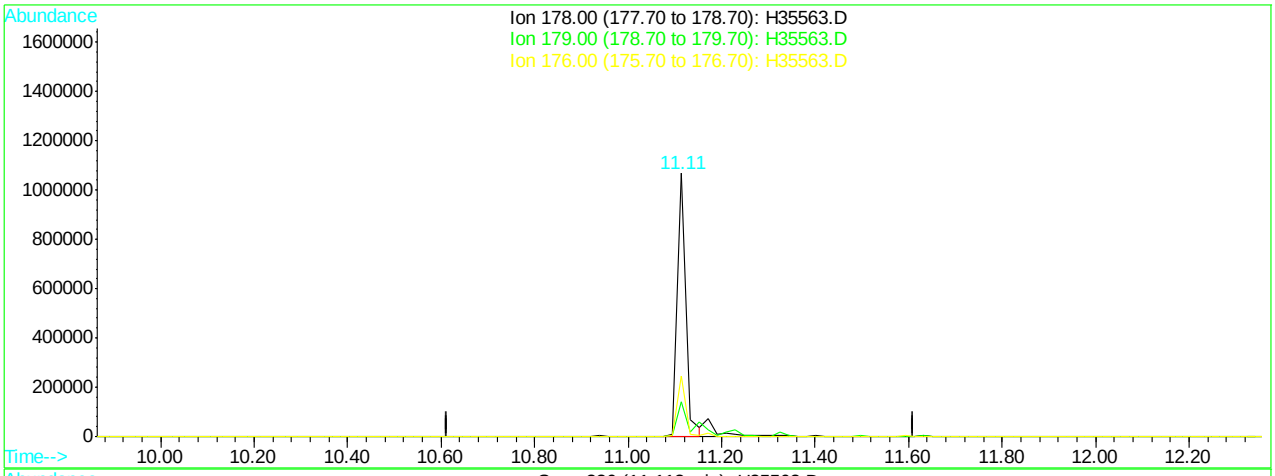
Ion	Exp%	Act%
142.00	100	100
141.00	0.00	2242.28#
115.00	0.00	0.00
0.00	0.00	0.00

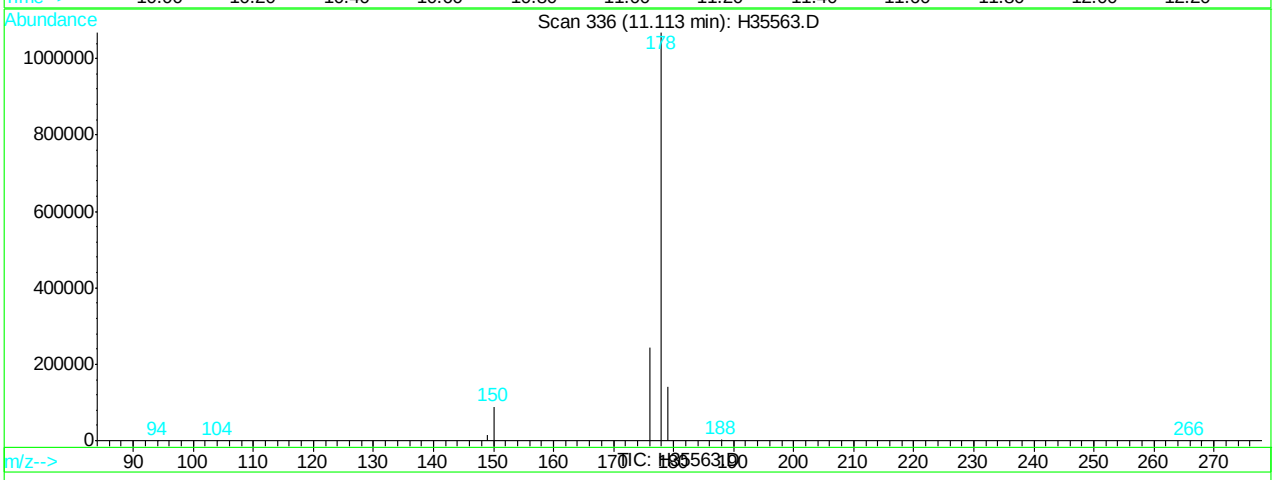
H35563.D H10269SP.M Tue Oct 27 14:30:13 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35563.D Vial: 21
Acq On : 22 Oct 2009 9:01 pm Operator: sheilac
Sample : t39513-2 Inst : TXMSH
Misc : OP13270,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 12:40 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(18) Phenanthrene (T)

11.11min 29.50ppb m

response 1365491

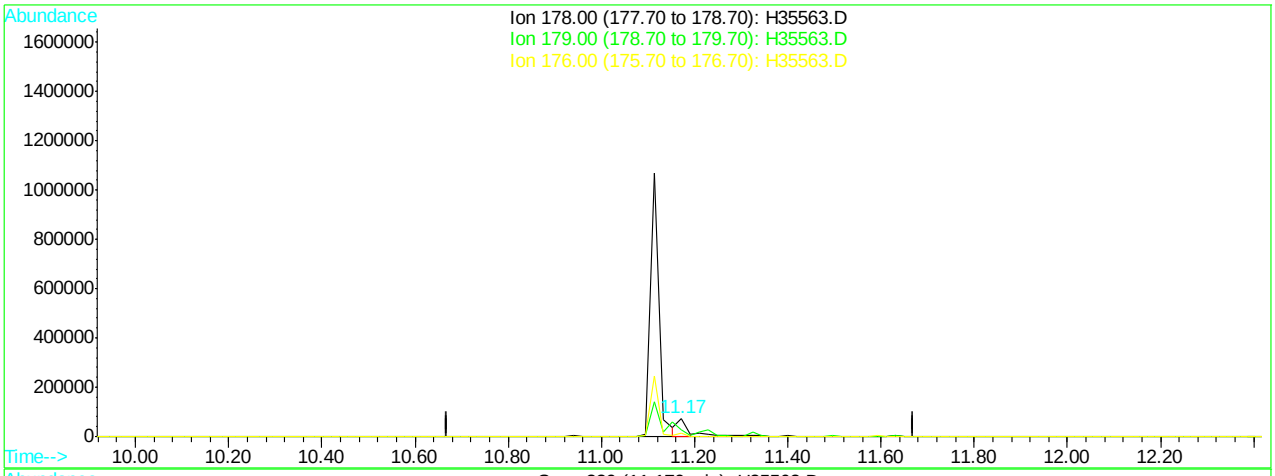
Ion	Exp%	Act%
178.00	100	100
179.00	11.60	13.19
176.00	24.90	22.85
0.00	0.00	0.00

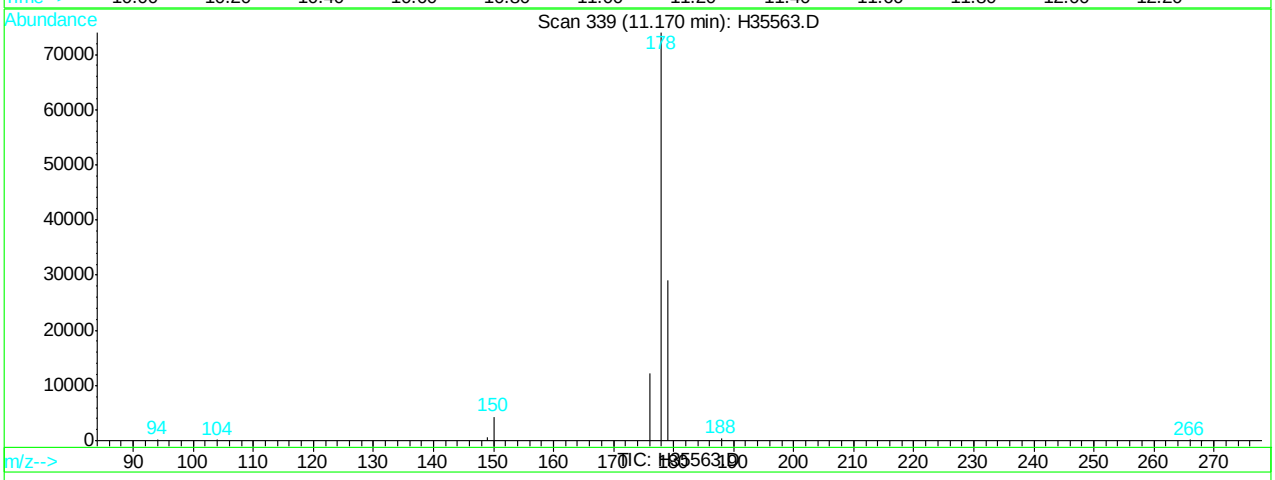
H35563.D H10269SP.M Tue Oct 27 14:30:18 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35563.D Vial: 21
Acq On : 22 Oct 2009 9:01 pm Operator: sheilac
Sample : t39513-2 Inst : TXMSH
Misc : OP13270,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 12:40 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(19) Anthracene (T)

11.17min 1.83ppb m

response 97905

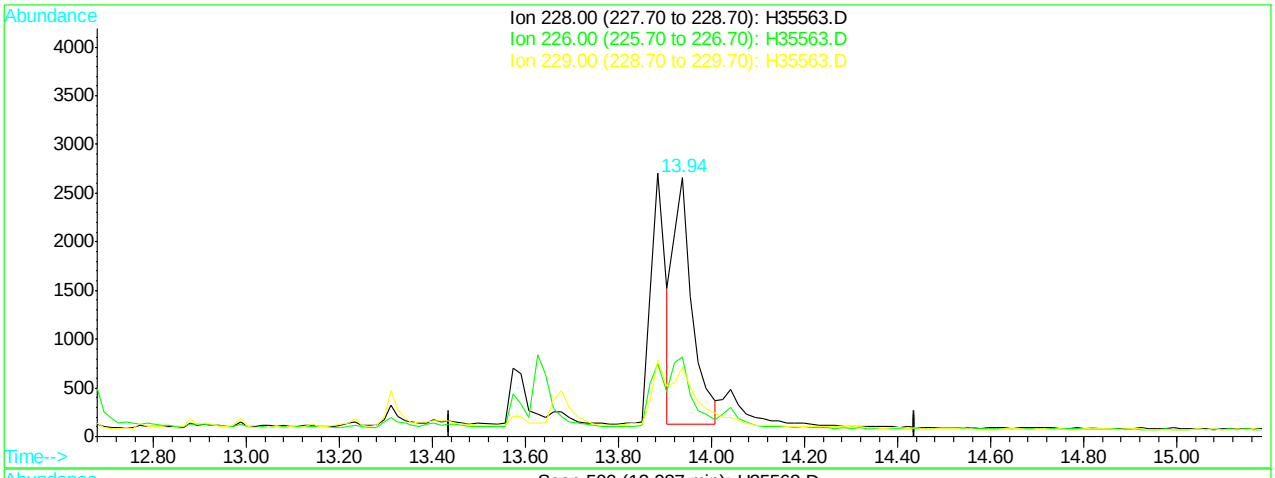
Ion	Exp%	Act%
178.00	100	100
179.00	12.00	39.41#
176.00	23.40	16.58
0.00	0.00	0.00

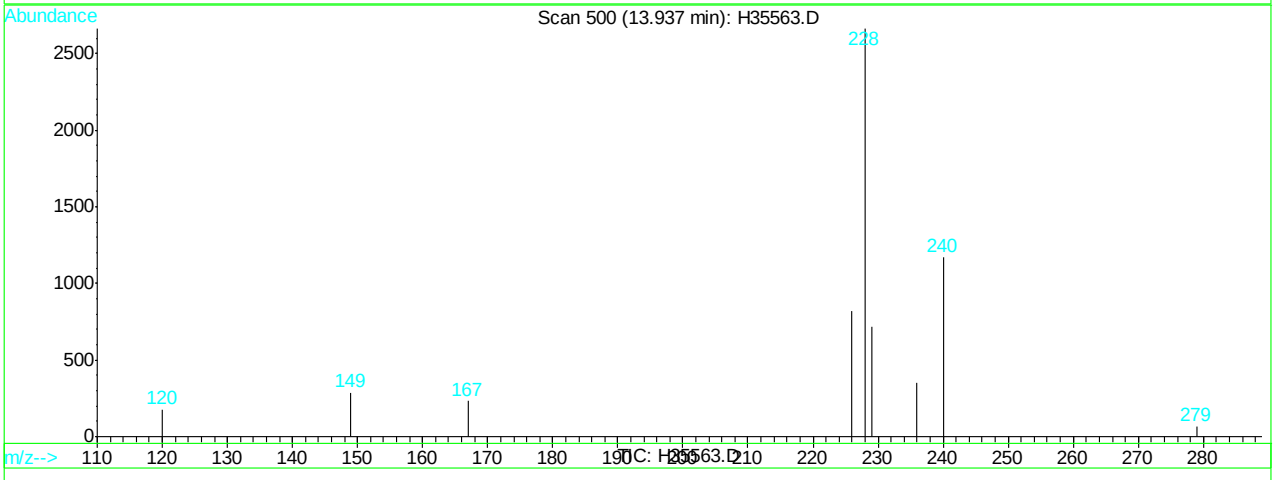
H35563.D H10269SP.M Tue Oct 27 14:30:24 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35563.D Vial: 21
Acq On : 22 Oct 2009 9:01 pm Operator: sheilac
Sample : t39513-2 Inst : TXMSH
Misc : OP13270,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 12:40 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(25) Chrysene (T)

13.94min 1.07ppb m

response 7324

Ion	Exp%	Act%
228.00	100	100
226.00	30.10	30.79
229.00	20.20	26.89#
0.00	0.00	0.00

H35563.D H10269SP.M Tue Oct 27 14:30:29 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/27/09 17:03

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1919\H35564.D Vial: 22
Acq On : 22 Oct 2009 9:30 pm Operator: sheilac
Sample : t39513-3 Inst : TXMSH
Misc : OP13270,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 17:30 2009 Quant Results File: H10229SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 17:47:22 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.63	152	89791	4.00	ppb	-0.02
4) Naphthalene-d8	7.54	136	61777	4.00	ppb	-0.03
9) Acenaphthene-d10	9.57	164	69059	4.00	ppb	0.00
15) Phenanthrene-d10	11.09	188	88852	4.00	ppb	0.00
21) Chrysene-d12	13.90	240	11961	4.00	ppb	0.00
26) Perylene-d12	16.38	264	4468	4.00	ppb	0.02

System Monitoring Compounds

5) Nitrobenzene-d5	6.57	82	105197	21.44	ppb	0.00
Spiked Amount 5.000	Range 17 - 131		Recovery = 428.80%#			
10) 2-Fluorobiphenyl	8.87	172	1432707	25.71	ppb	0.00
Spiked Amount 5.000	Range 15 - 137		Recovery = 514.20%#			
16) 2,4,6-Tribromophenol	10.40	330	279378	102.50	ppb	0.00
Spiked Amount 10.000	Range 10 - 123		Recovery = 1025.00%#			
23) Terphenyl-d14	12.66	244	231254	54.88	ppb	0.00
Spiked Amount 5.000	Range 10 - 160		Recovery = 1097.60%#			

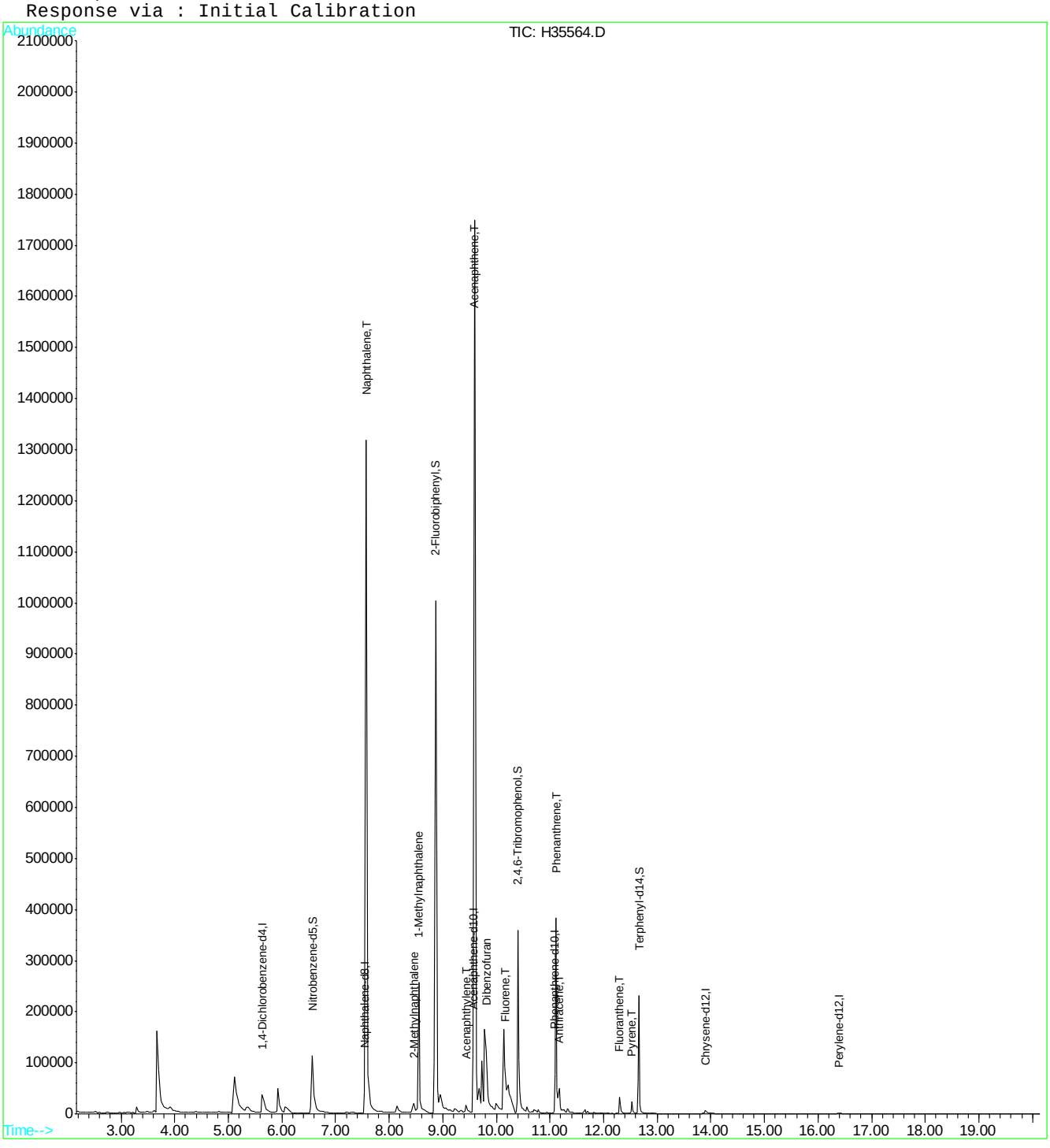
Target Compounds							Qvalue
6) Naphthalene	7.57	128	1759403	26.00	ppb		99
7) 2-Methylnaphthalene	8.46	142	34646m	1.66	ppb		
8) 1-Methylnaphthalene	8.55	142	339542	8.30	ppb	#	53
11) Acenaphthylene	9.44	152	10257	0.09	ppb	#	52
12) Acenaphthene	9.60	153	1134834	27.41	ppb		98
13) Dibenzofuran	9.81	168	307141	6.12	ppb	#	82
14) Fluorene	10.16	166	198797m	8.91	ppb		
18) Phenanthrene	11.11	178	362938m	8.68	ppb		
19) Anthracene	11.17	178	38925m	0.81	ppb		
20) Fluoranthene	12.29	202	49668	2.13	ppb	#	92
22) Pyrene	12.52	202	30989	1.50	ppb		96

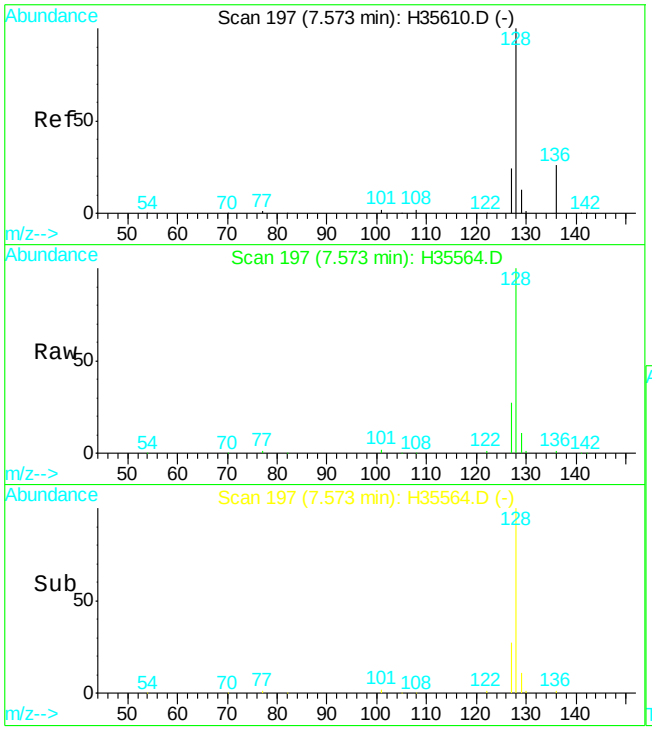
(#) = qualifier out of range (m) = manual integration
H35564.D H10269SP.M Tue Oct 27 14:30:36 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1919\H35564.D Vial: 22
Acq On : 22 Oct 2009 9:30 pm Operator: sheilac
Sample : t39513-3 Inst : TXMSH
Misc : OP13270,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 17:30 2009 Quant Results File: H10229SP.RES

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Initial Calibration

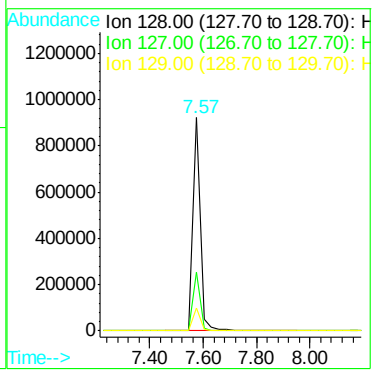


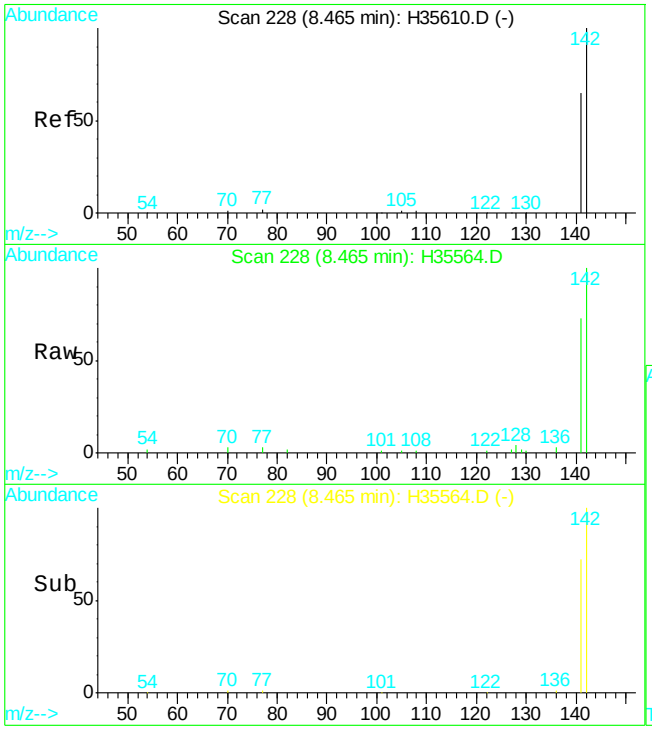


#6
Naphthalene
Concen: 26.00 ppb
RT: 7.57 min Scan# 197
Delta R.T. -0.00 min
Lab File: H35564.D
Acq: 22 Oct 2009 9:30 pm

Tgt Ion:128 Resp: 1759403

Ion	Ratio	Lower	Upper
128	100		
127	27.3	18.8	35.0
129	10.8	7.0	13.0

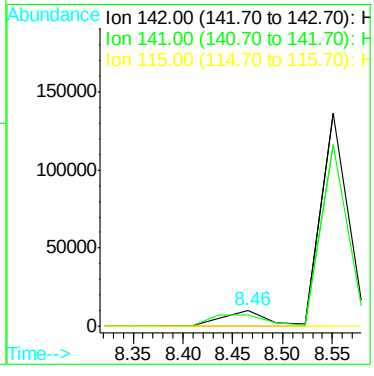


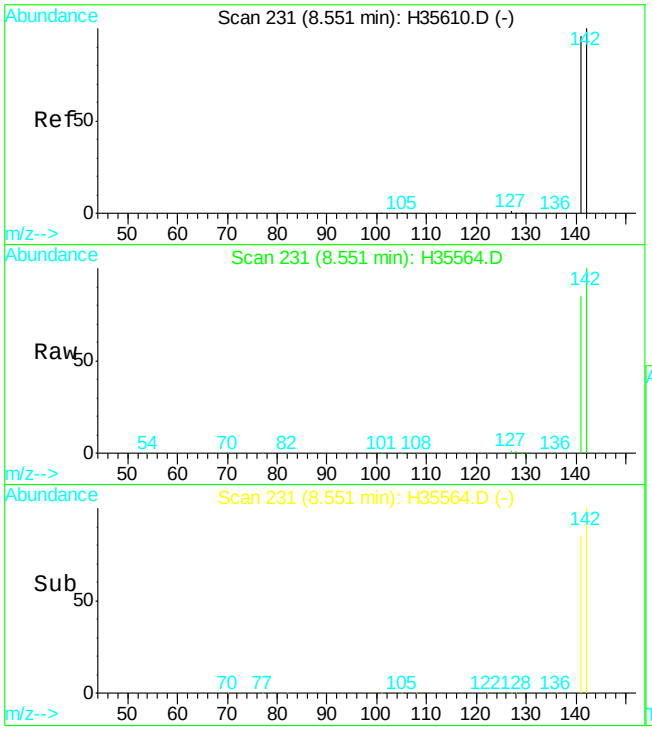


#7
2-Methylnaphthalene
Concen: 1.66 ppb m
RT: 8.46 min Scan# 228
Delta R.T. -0.00 min
Lab File: H35564.D
Acq: 22 Oct 2009 9:30 pm

Tgt Ion:142 Resp: 34646

Ion	Ratio	Lower	Upper
142	100		
141	771.5	0.0	0.0#
115	0.0	0.0	0.0

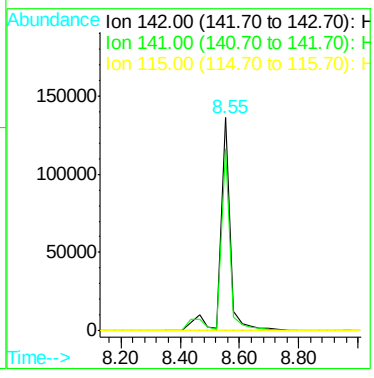


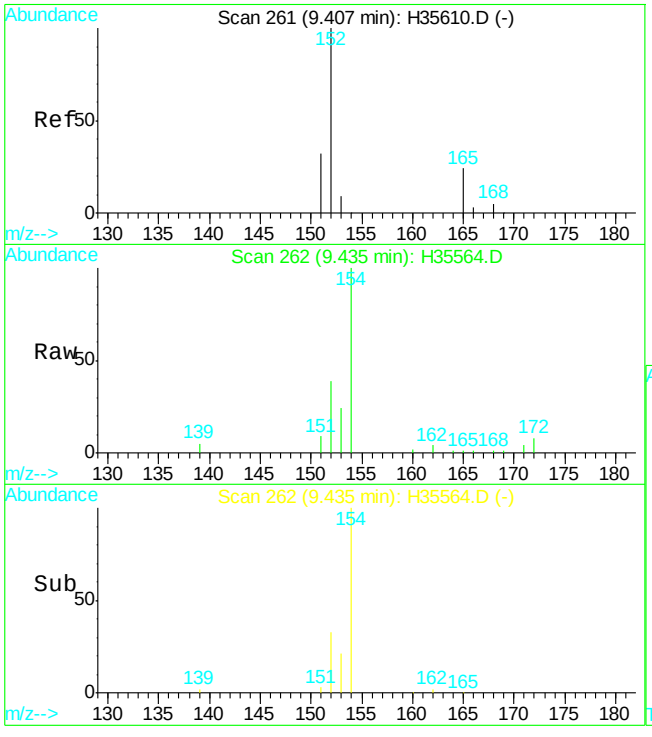


#8
1-Methylnaphthalene
Concen: 8.30 ppb
RT: 8.55 min Scan# 231
Delta R.T. -0.00 min
Lab File: H35564.D
Acq: 22 Oct 2009 9:30 pm

Tgt Ion:142 Resp: 339542

Ion	Ratio	Lower	Upper
142	100		
141	78.7	94.6	175.6#
115	0.0	0.0	0.0

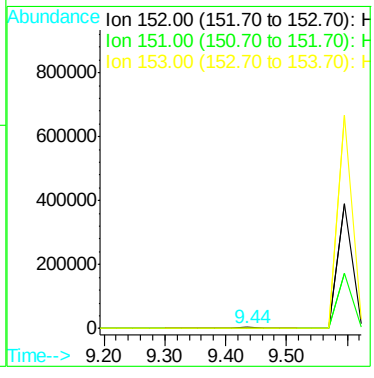


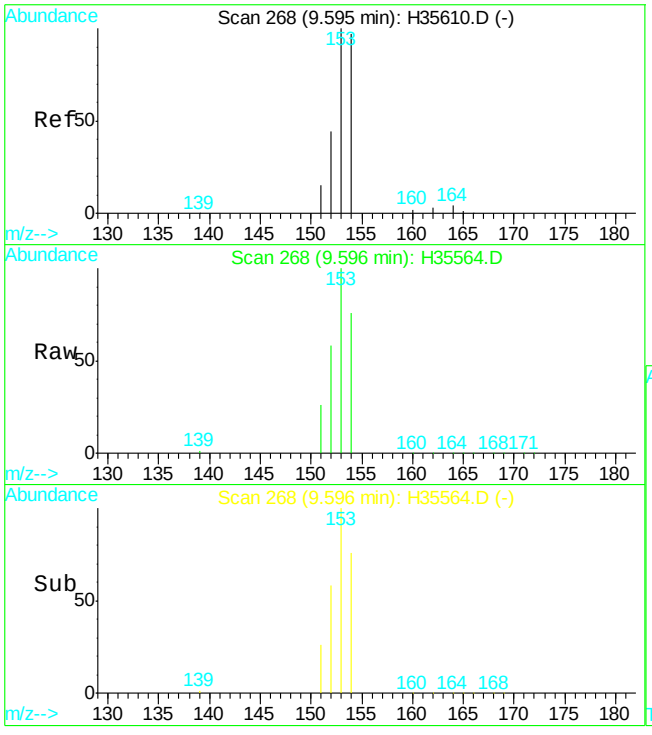


#11
Acenaphthylene
Concen: 0.09 ppb
RT: 9.44 min Scan# 262
Delta R.T. 0.00 min
Lab File: H35564.D
Acq: 22 Oct 2009 9:30 pm

Tgt Ion:152 Resp: 10257

Ion	Ratio	Lower	Upper
152	100		
151	19.2	12.7	23.7
153	58.4	10.9	20.3#

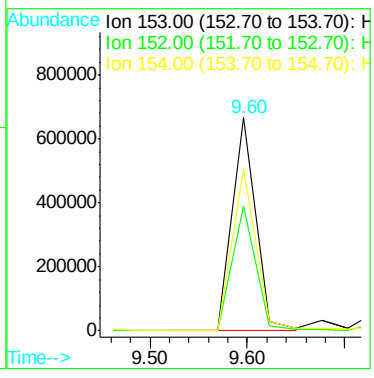


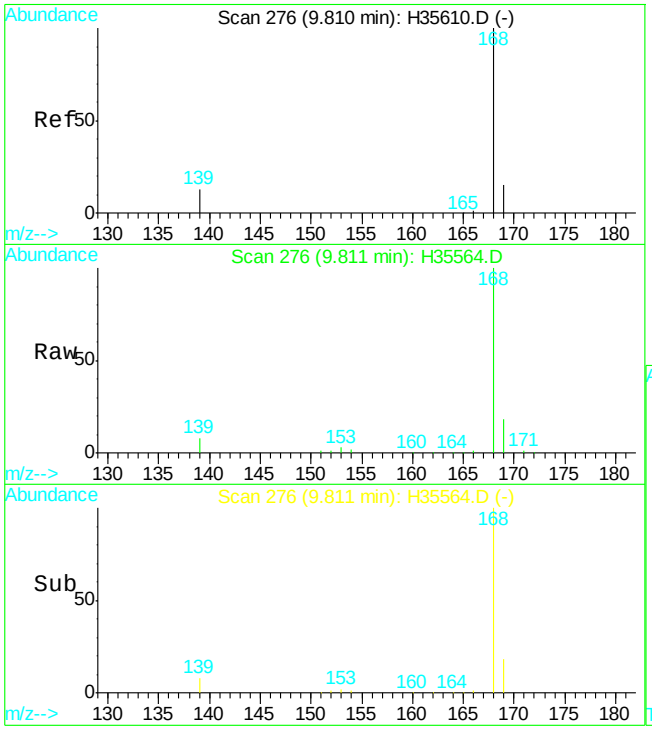


#12
Acenaphthene
Concen: 27.41 ppb
RT: 9.60 min Scan# 268
Delta R.T. 0.00 min
Lab File: H35564.D
Acq: 22 Oct 2009 9:30 pm

Tgt Ion:153 Resp: 1134834

Ion	Ratio	Lower	Upper
153	100		
152	58.5	40.9	76.0
154	75.5	50.9	94.5

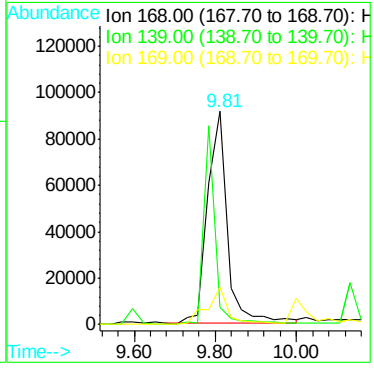


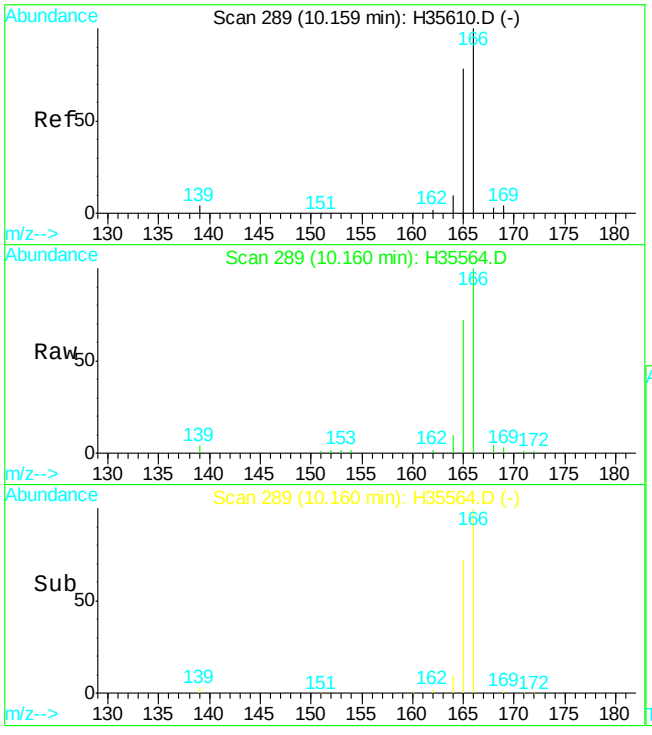


#13
Dibenzofuran
Concen: 6.12 ppb
RT: 9.81 min Scan# 276
Delta R.T. 0.00 min
Lab File: H35564.D
Acq: 22 Oct 2009 9:30 pm

Tgt Ion:168 Resp: 307141

Ion	Ratio	Lower	Upper
168	100		
139	53.9	28.8	53.6#
169	18.9	10.2	19.0

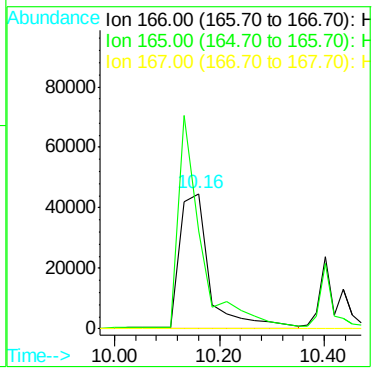


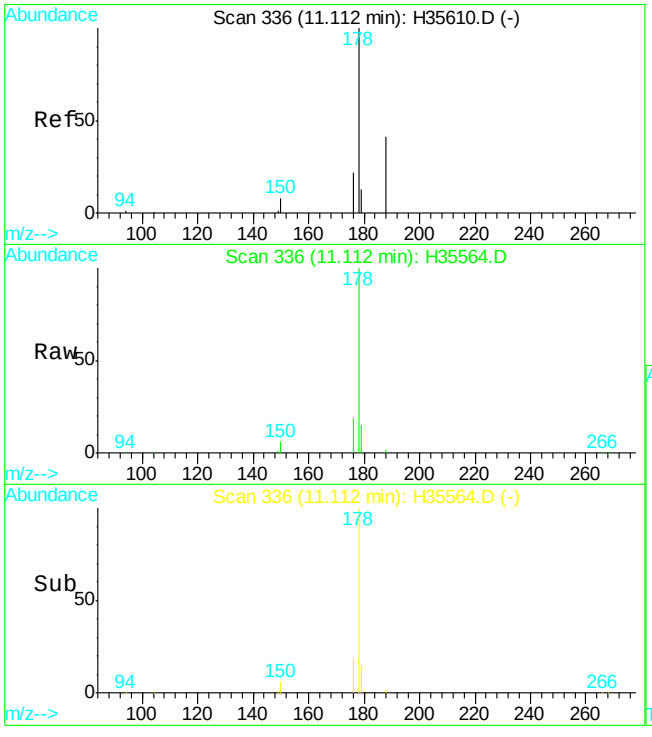


#14
Fluorene
Concen: 8.91 ppb m
RT: 10.16 min Scan# 289
Delta R.T. 0.00 min
Lab File: H35564.D
Acq: 22 Oct 2009 9:30 pm

Tgt Ion:166 Resp: 198797

Ion	Ratio	Lower	Upper
166	100		
165	72.4	55.7	103.5
167	0.0	0.0	0.0

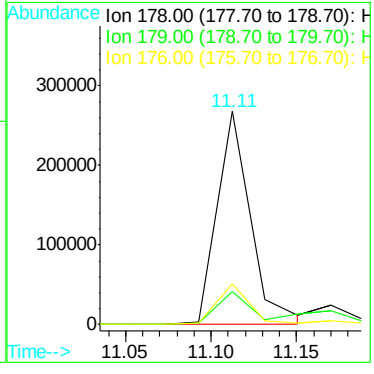


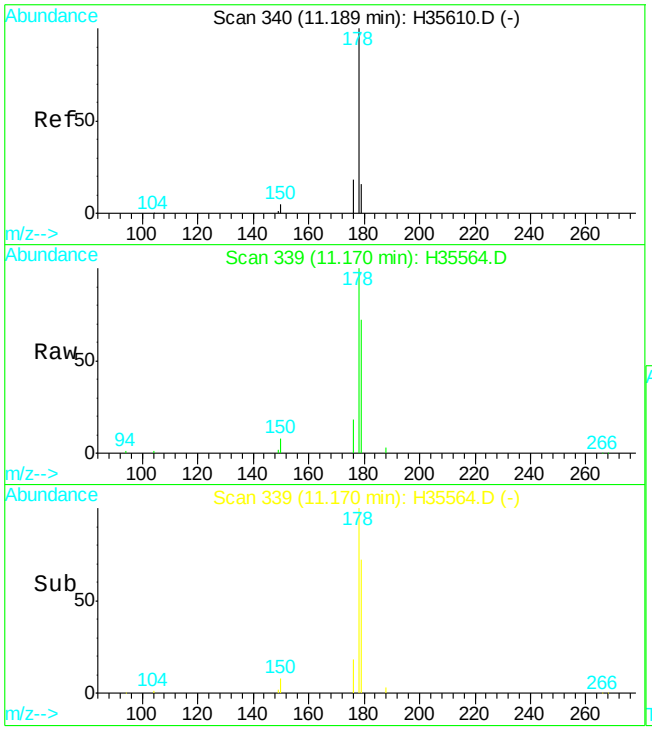


#18
Phenanthrene
Concen: 8.68 ppb m
RT: 11.11 min Scan# 336
Delta R.T. -0.00 min
Lab File: H35564.D
Acq: 22 Oct 2009 9:30 pm

Tgt Ion:178 Resp: 362938

Ion	Ratio	Lower	Upper
178	100		
179	15.2	8.1	15.1#
176	19.1	17.4	32.4

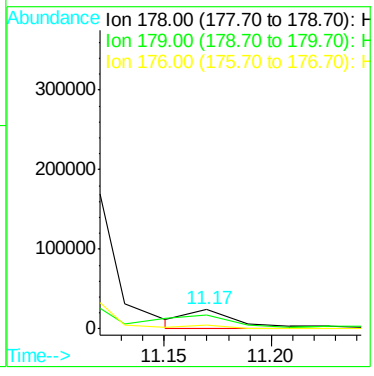


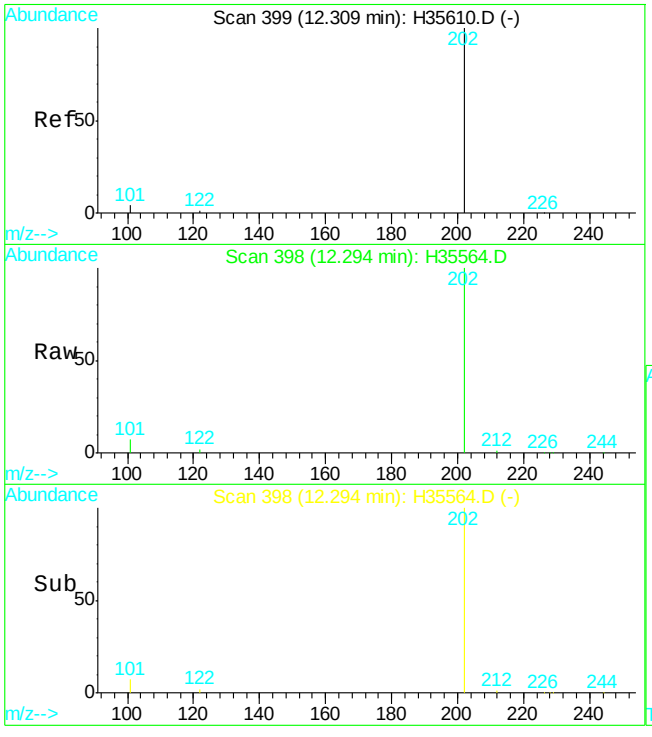


#19
Anthracene
Concen: 0.81 ppb m
RT: 11.17 min Scan# 339
Delta R.T. -0.00 min
Lab File: H35564.D
Acq: 22 Oct 2009 9:30 pm

Tgt Ion:178 Resp: 38925

Ion	Ratio	Lower	Upper
178	100		
179	71.7	8.4	15.6#
176	17.6	16.4	30.4

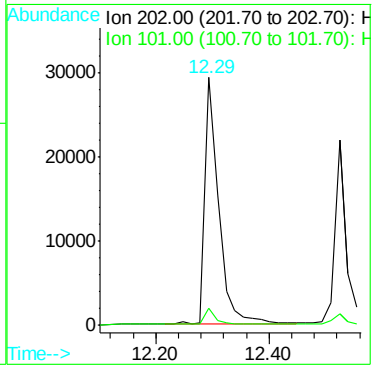


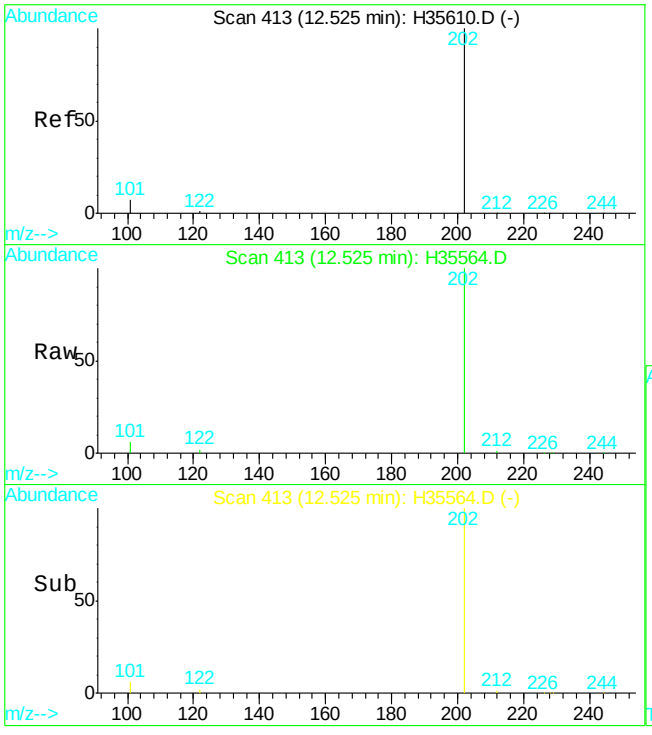


#20
Fluoranthene
Concen: 2.13 ppb
RT: 12.29 min Scan# 398
Delta R.T. -0.02 min
Lab File: H35564.D
Acq: 22 Oct 2009 9:30 pm

Tgt Ion:202 Resp: 49668

Ion	Ratio	Lower	Upper
202	100		
101	6.7	2.8	5.2#

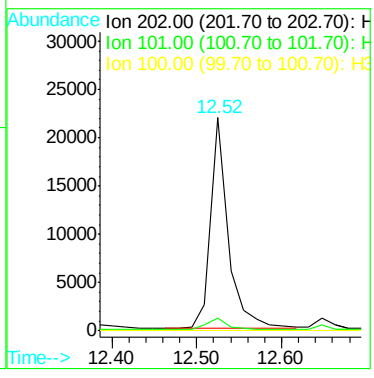




#22
Pyrene
Concen: 1.50 ppb
RT: 12.52 min Scan# 413
Delta R.T. -0.00 min
Lab File: H35564.D
Acq: 22 Oct 2009 9:30 pm

Tgt Ion:202 Resp: 30989

Ion	Ratio	Lower	Upper
202	100		
101	5.5	4.8	8.8
100	0.0	0.0	0.0



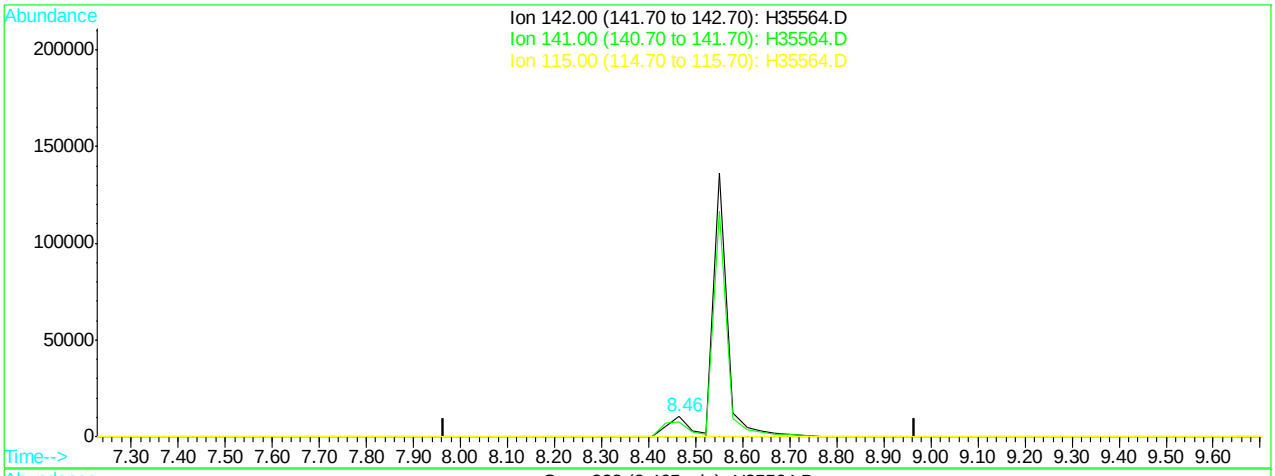
8.1.23

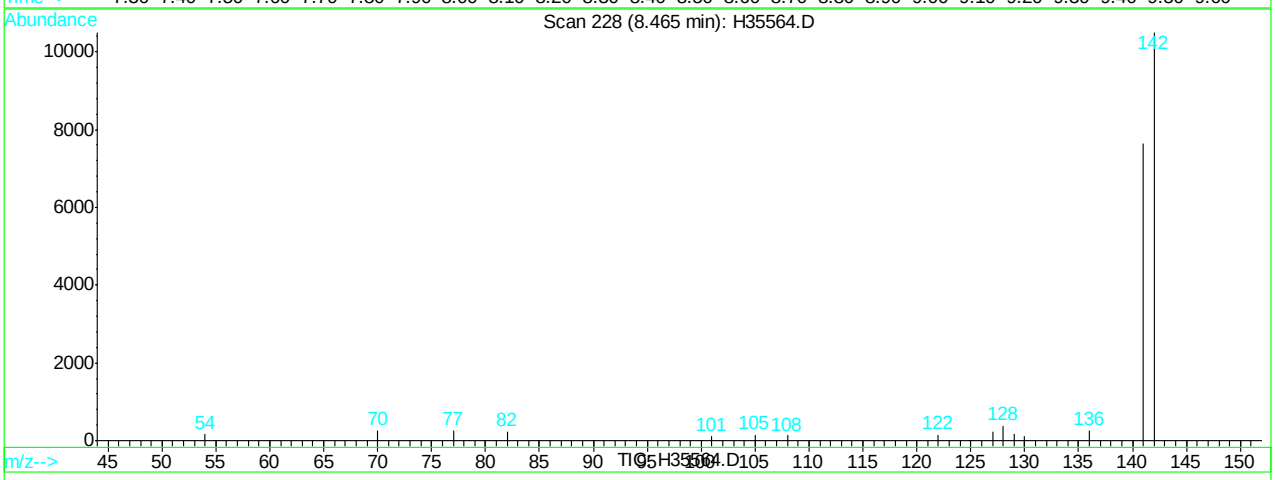
8

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35564.D Vial: 22
Acq On : 22 Oct 2009 9:30 pm Operator: sheilac
Sample : t39513-3 Inst : TXMSH
Misc : OP13270,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 17:30 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(7) 2-Methylnaphthalene

8.46min 1.66ppb m

response 34646

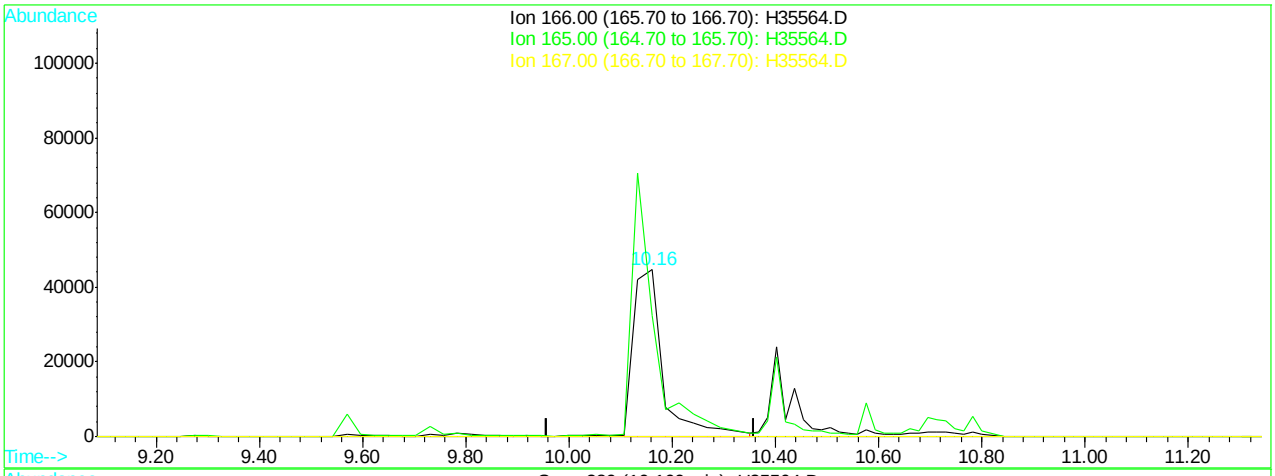
Ion	Exp%	Act%
142.00	100	100
141.00	0.00	771.53#
115.00	0.00	0.00
0.00	0.00	0.00

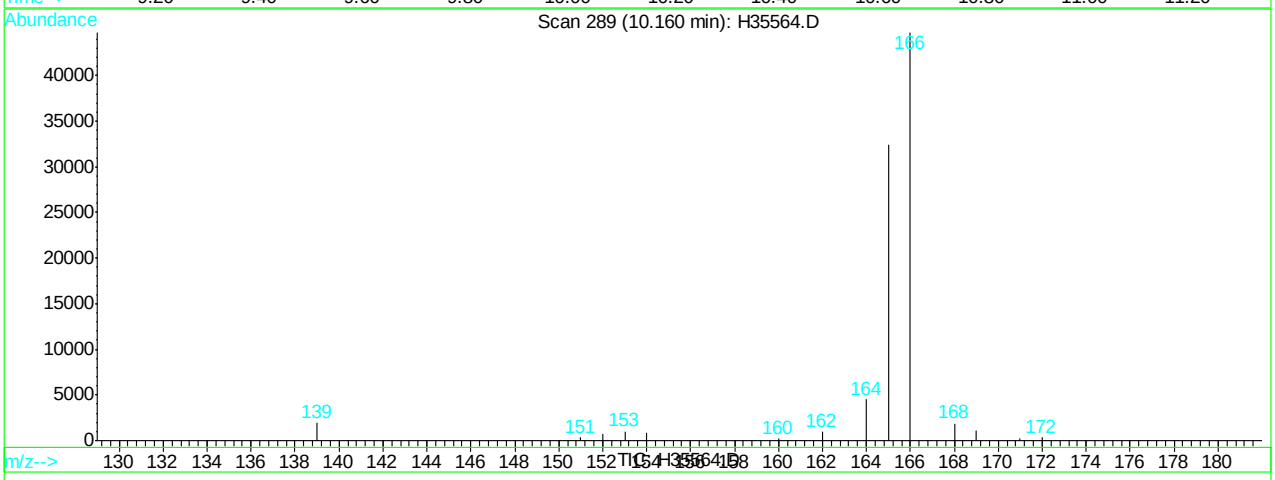
H35564.D H10269SP.M Tue Oct 27 14:31:03 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35564.D Vial: 22
Acq On : 22 Oct 2009 9:30 pm Operator: sheilac
Sample : t39513-3 Inst : TXMSH
Misc : OP13270,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 17:30 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(14) Fluorene (T)

10.16min 8.91ppb m

response 198797

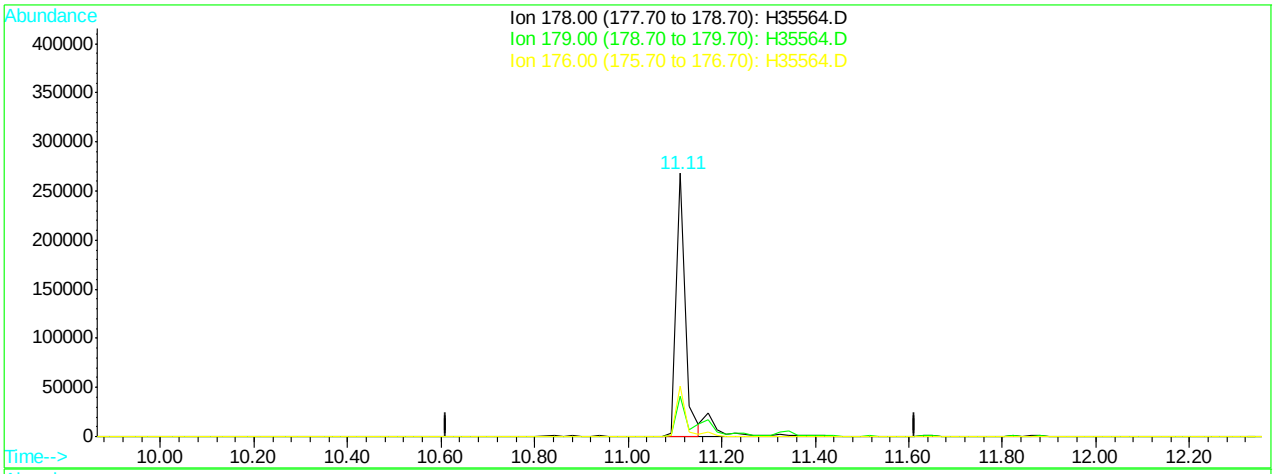
Ion	Exp%	Act%
166.00	100	100
165.00	79.60	72.44
167.00	0.00	0.00
0.00	0.00	0.00

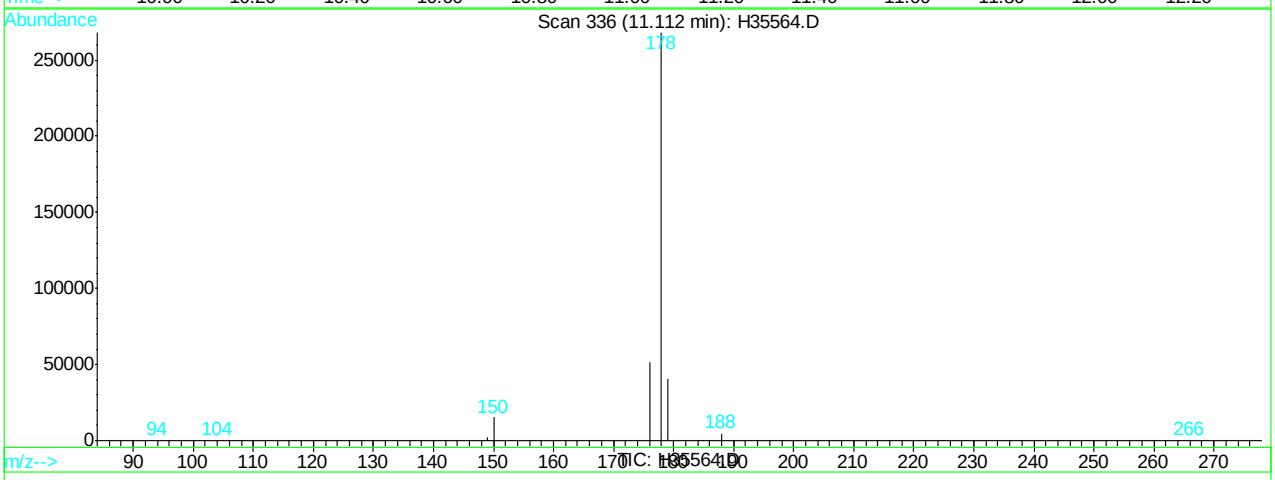
H35564.D H10269SP.M Tue Oct 27 14:31:08 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35564.D Vial: 22
Acq On : 22 Oct 2009 9:30 pm Operator: sheilac
Sample : t39513-3 Inst : TXMSH
Misc : OP13270,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 17:30 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(18) Phenanthrene (T)

11.11min 8.68ppb m

response 362938

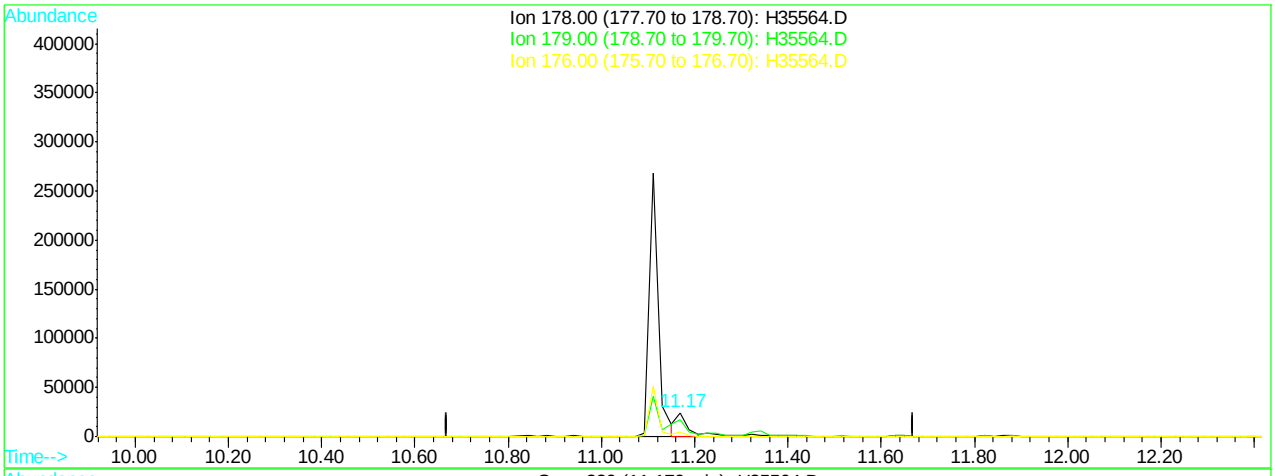
Ion	Exp%	Act%
178.00	100	100
179.00	11.60	15.20#
176.00	24.90	19.12
0.00	0.00	0.00

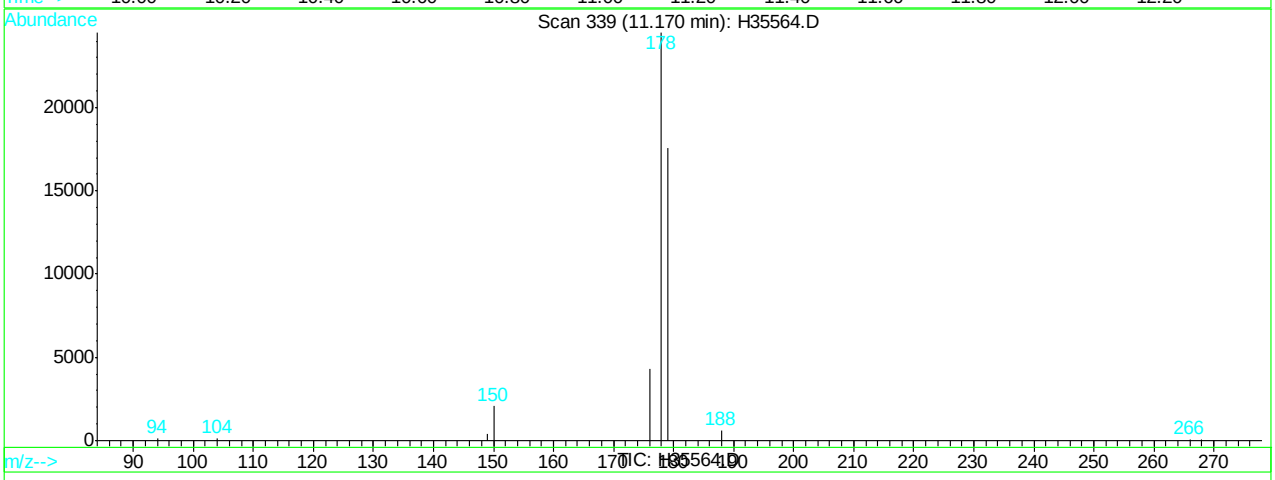
H35564.D H10269SP.M Tue Oct 27 14:31:13 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35564.D Vial: 22
Acq On : 22 Oct 2009 9:30 pm Operator: sheilac
Sample : t39513-3 Inst : TXMSH
Misc : OP13270,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 17:30 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(19) Anthracene (T)

11.17min 0.81ppb m

response 38925

Ion	Exp%	Act%
178.00	100	100
179.00	12.00	71.69#
176.00	23.40	17.64
0.00	0.00	0.00

H35564.D H10269SP.M Tue Oct 27 14:31:17 2009

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1919\H35566.D Vial: 24
Acq On : 22 Oct 2009 10:27 pm Operator: sheilac
Sample : t39513-4 Inst : TXMSH
Misc : OP13270,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 17:35 2009 Quant Results File: H10229SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 17:47:22 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.66	152	73649	4.00 ppb	0.00
4) Naphthalene-d8	7.57	136	64258	4.00 ppb	0.00
9) Acenaphthene-d10	9.57	164	41911	4.00 ppb	0.00
15) Phenanthrene-d10	11.09	188	73966	4.00 ppb	0.00
21) Chrysene-d12	13.90	240	15469	4.00 ppb	0.00
26) Perylene-d12	16.37	264	4929	4.00 ppb	0.00

System Monitoring Compounds					
5) Nitrobenzene-d5	6.57	82	149613	27.24 ppb	0.00
Spiked Amount 5.000	Range 17 - 131		Recovery = 544.80%#		
10) 2-Fluorobiphenyl	8.87	172	1807372	53.44 ppb	0.00
Spiked Amount 5.000	Range 15 - 137		Recovery = 1068.80%#		
16) 2,4,6-Tribromophenol	10.42	330	336015	148.10 ppb	0.02
Spiked Amount 10.000	Range 10 - 123		Recovery = 1481.00%#		
23) Terphenyl-d14	12.66	244	287234	52.93 ppb	0.00
Spiked Amount 5.000	Range 10 - 160		Recovery = 1058.60%#		

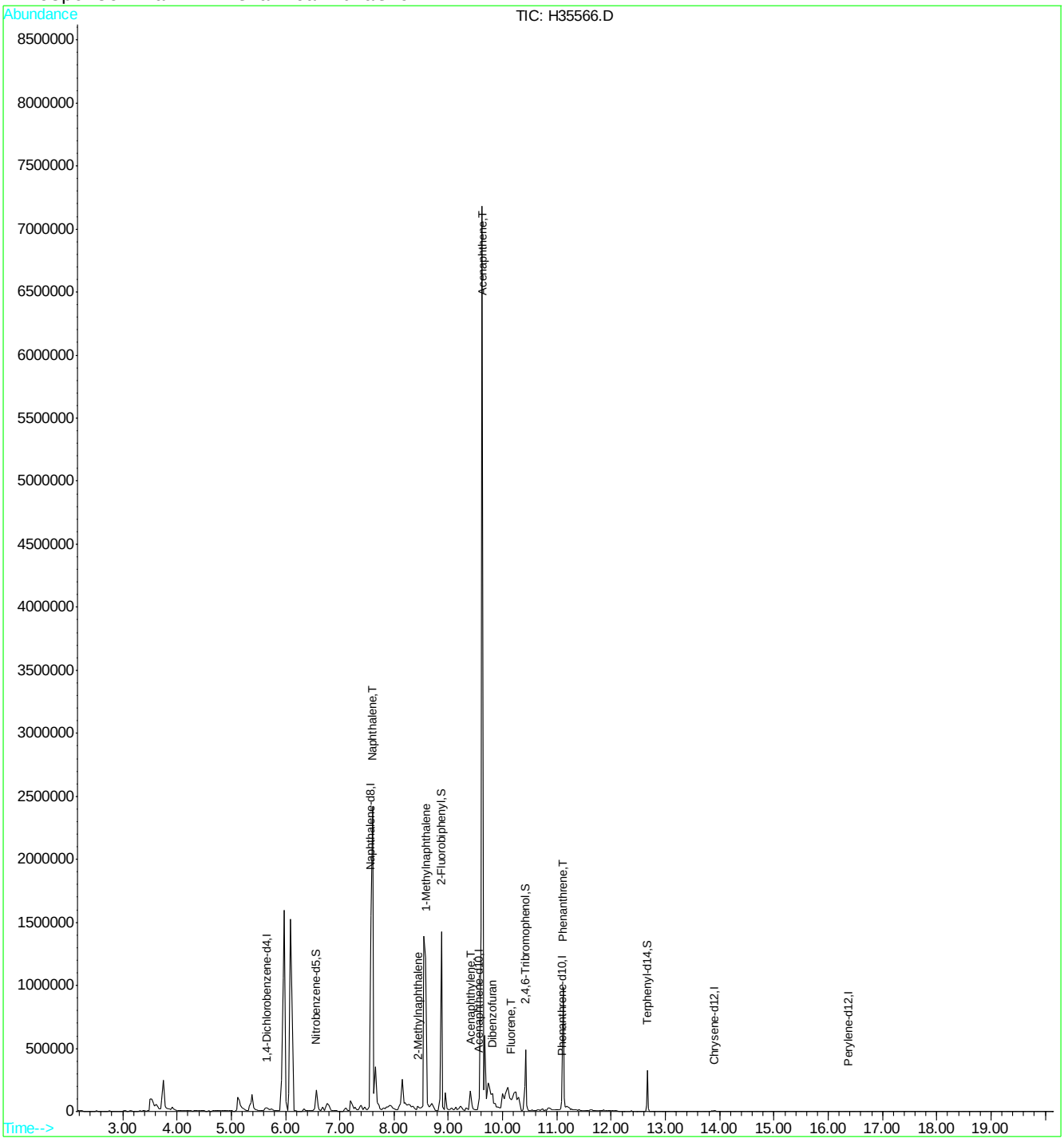
Target Compounds					Qvalue
6) Naphthalene	7.60	128	4927135	47.21 ppb	# 73
7) 2-Methylnaphthalene	8.44	142	9153	0.39 ppb	# 100
8) 1-Methylnaphthalene	8.58	142	2990791	40.55 ppb	# 44
11) Acenaphthylene	9.41	152	208309	8.52 ppb	# 78
12) Acenaphthene	9.62	153	6595527	262.50 ppb	# 61
13) Dibenzofuran	9.81	168	166286	5.46 ppb	# 1
14) Fluorene	10.16	166	28706	1.88 ppb	# 43
18) Phenanthrene	11.11	178	899718	25.84 ppb	98

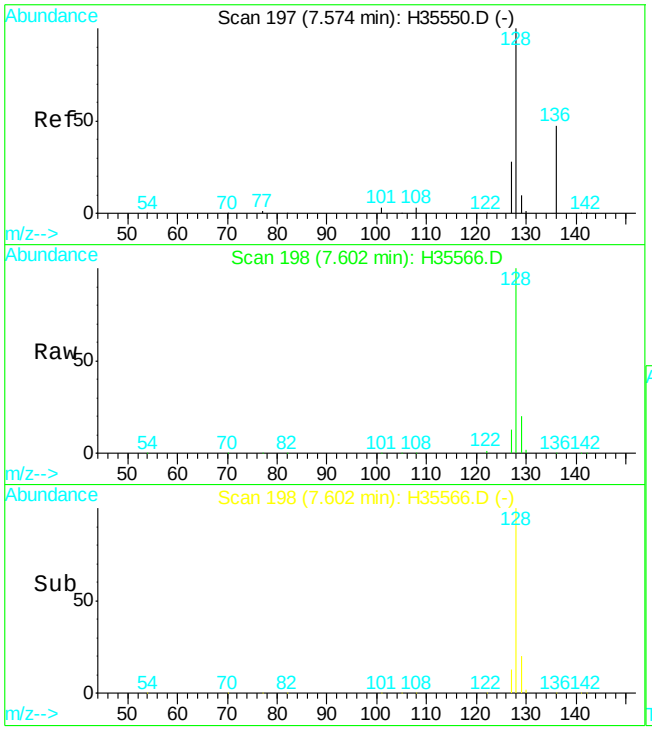
(#) = qualifier out of range (m) = manual integration
H35566.D H10229SP.M Fri Oct 23 17:38:23 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1919\H35566.D Vial: 24
Acq On : 22 Oct 2009 10:27 pm Operator: sheilac
Sample : t39513-4 Inst : TXMSH
Misc : OP13270,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 17:35 2009 Quant Results File: H10229SP.RES

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Fri Oct 23 17:28:29 2009
Response via : Initial Calibration

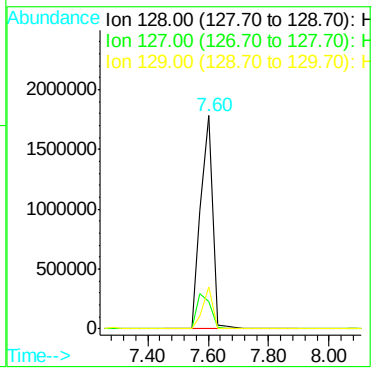


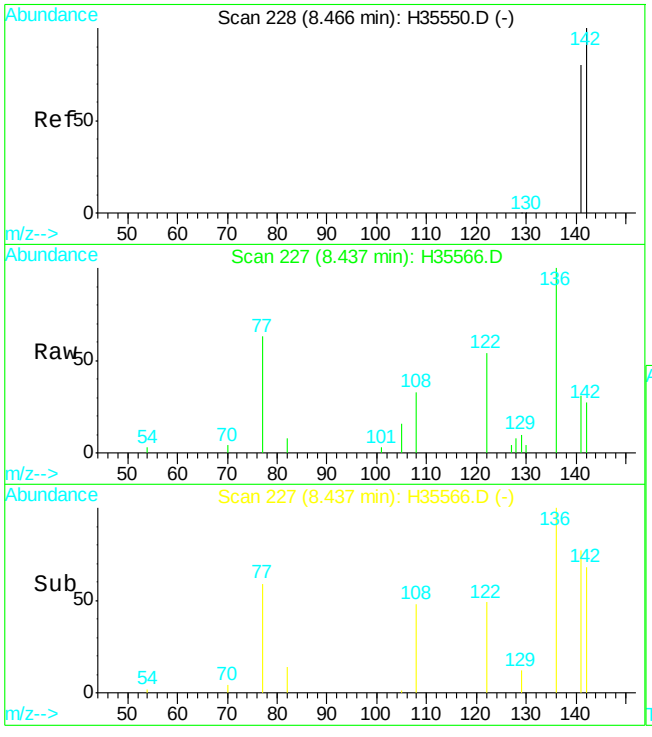


#6
Naphthalene
Concen: 47.21 ppb
RT: 7.60 min Scan# 198
Delta R.T. 0.03 min
Lab File: H35566.D
Acq: 22 Oct 2009 10:27 pm

Tgt Ion:128 Resp: 4927135

Ion	Ratio	Lower	Upper
128	100		
127	12.8	18.8	35.0#
129	19.8	7.0	13.0#

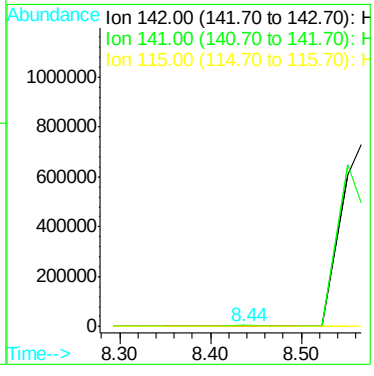


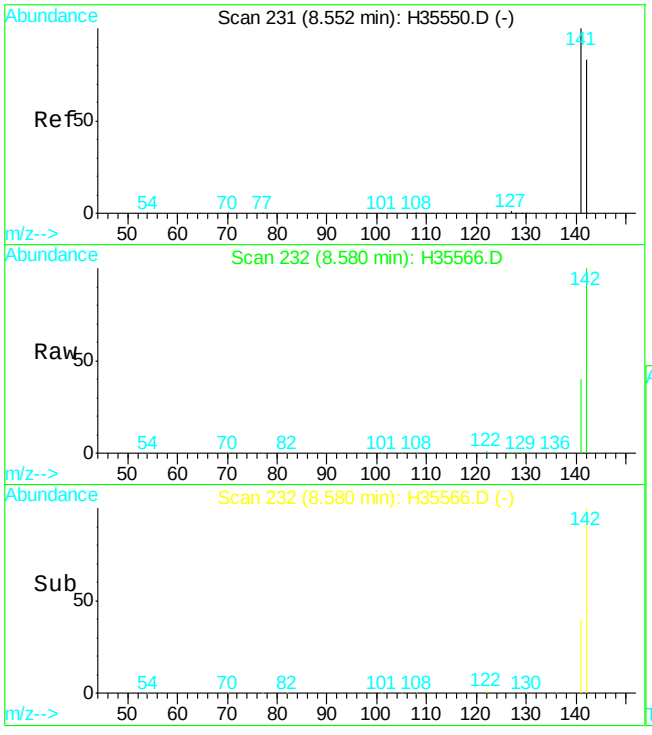


#7
2-Methylnaphthalene
Concen: 0.39 ppb
RT: 8.44 min Scan# 227
Delta R.T. -0.03 min
Lab File: H35566.D
Acq: 22 Oct 2009 10:27 pm

Tgt Ion:142 Resp: 9153

Ion	Ratio	Lower	Upper
142	100		
141	87.9	0.0	0.0#
115	0.0	0.0	0.0

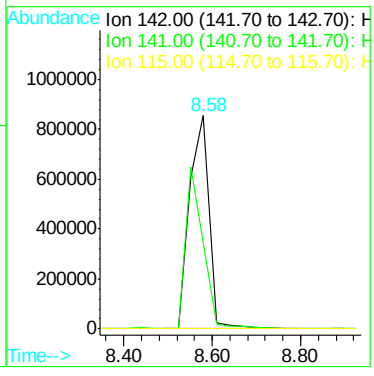


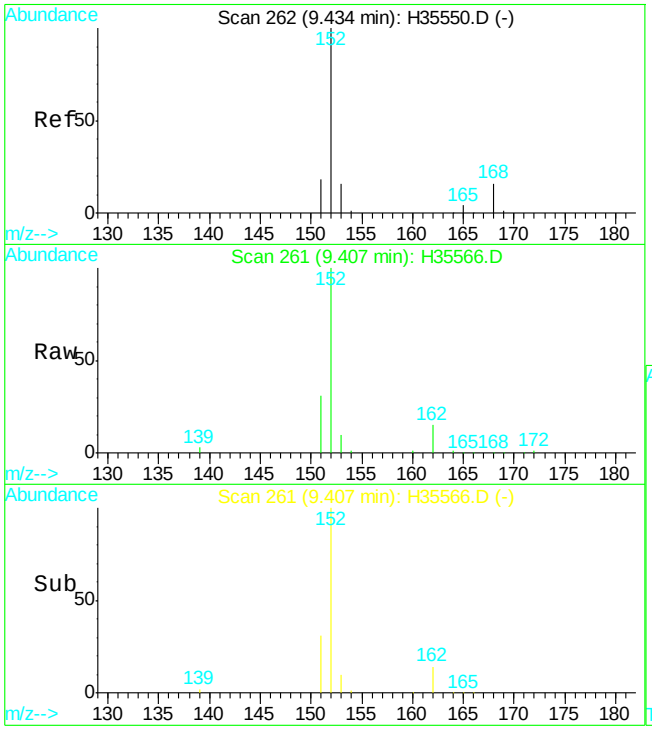


#8
1-Methylnaphthalene
Concen: 40.55 ppb
RT: 8.58 min Scan# 232
Delta R.T. 0.03 min
Lab File: H35566.D
Acq: 22 Oct 2009 10:27 pm

Tgt Ion:142 Resp: 2990791

Ion	Ratio	Lower	Upper
142	100		
141	68.8	94.6	175.6#
115	0.0	0.0	0.0

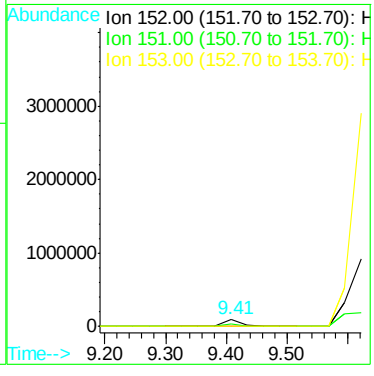


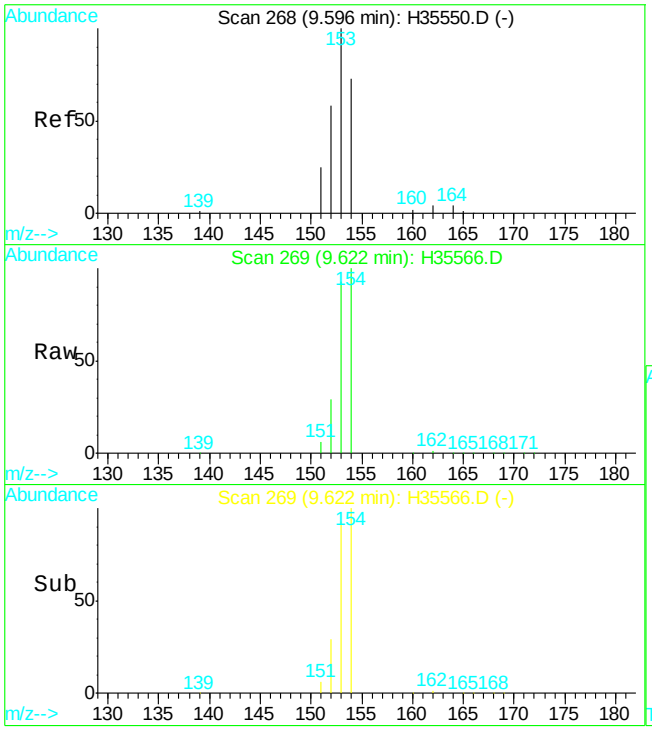


#11
Acenaphthylene
Concen: 8.52 ppb
RT: 9.41 min Scan# 261
Delta R.T. -0.03 min
Lab File: H35566.D
Acq: 22 Oct 2009 10:27 pm

Tgt Ion:152 Resp: 208309

Ion	Ratio	Lower	Upper
152	100		
151	31.0	12.7	23.7#
153	10.1	10.9	20.3#

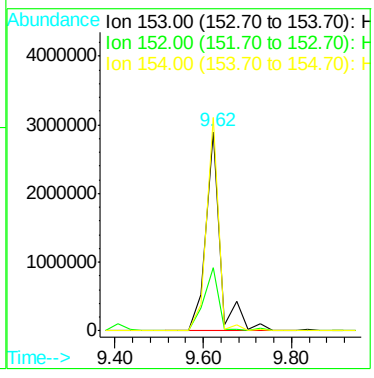


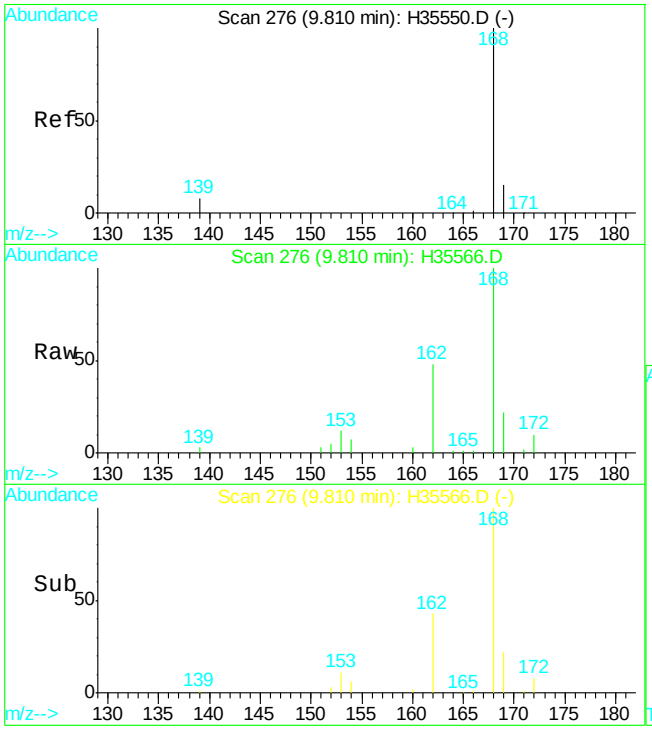


#12
Acenaphthene
Concen: 262.50 ppb
RT: 9.62 min Scan# 269
Delta R.T. 0.03 min
Lab File: H35566.D
Acq: 22 Oct 2009 10:27 pm

Tgt Ion:153 Resp: 6595527

Ion	Ratio	Lower	Upper
153	100		
152	31.4	40.9	76.0#
154	107.1	50.9	94.5#

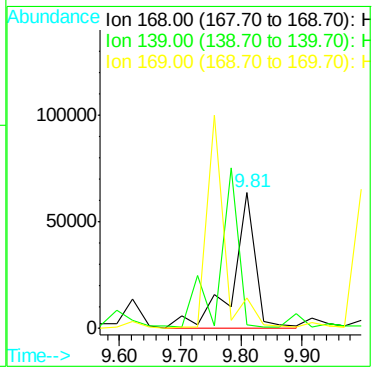


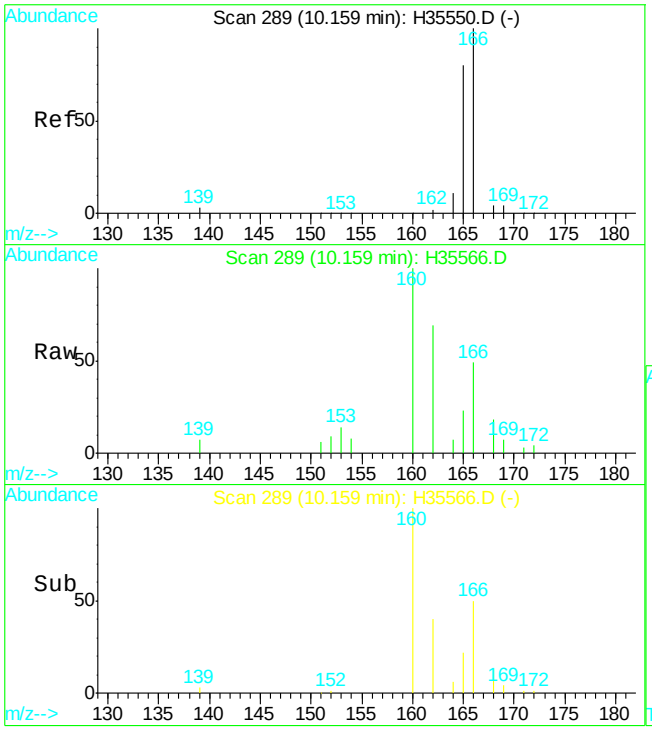


#13
Dibenzofuran
Concen: 5.46 ppb
RT: 9.81 min Scan# 276
Delta R.T. -0.00 min
Lab File: H35566.D
Acq: 22 Oct 2009 10:27 pm

Tgt Ion:168 Resp: 166286

Ion	Ratio	Lower	Upper
168	100		
139	100.9	28.8	53.6#
169	118.7	10.2	19.0#

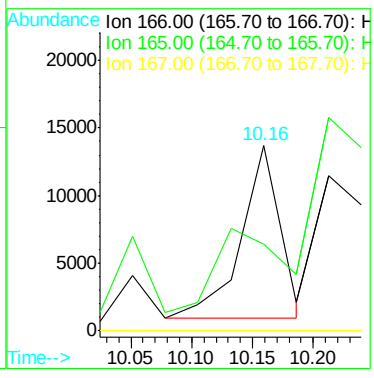


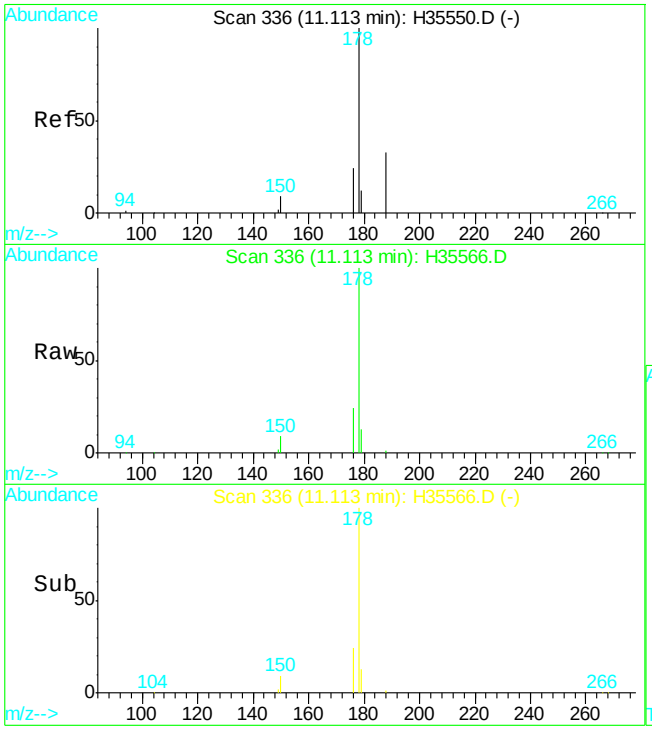


#14
Fluorene
Concen: 1.88 ppb
RT: 10.16 min Scan# 289
Delta R.T. -0.00 min
Lab File: H35566.D
Acq: 22 Oct 2009 10:27 pm

Tgt Ion:166 Resp: 28706

Ion	Ratio	Lower	Upper
166	100		
165	29.4	55.7	103.5#
167	0.0	0.0	0.0

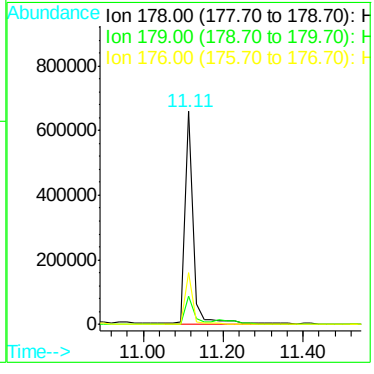




#18
Phenanthrene
Concen: 25.84 ppb
RT: 11.11 min Scan# 336
Delta R.T. 0.00 min
Lab File: H35566.D
Acq: 22 Oct 2009 10:27 pm

Tgt Ion:178 Resp: 899718

Ion	Ratio	Lower	Upper
178	100		
179	12.9	8.1	15.1
176	24.1	17.4	32.4



Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/27/09 17:17

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1921\H35621.D Vial: 13
Acq On : 26 Oct 2009 6:10 pm Operator: sheilac
Sample : t39513-5 Inst : TXMSH
Misc : OP13270,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 18:37 2009 Quant Results File: H10269SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 18:36:18 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.63	152	69572	4.00	ppb	0.00
4) Naphthalene-d8	7.77	136	754538m	4.00	ppb	0.00
9) Acenaphthene-d10	9.60	164	56791	4.00	ppb	0.00
15) Phenanthrene-d10	11.11	188	53828	4.00	ppb	0.00
21) Chrysene-d12	13.90	240	5274	4.00	ppb	0.00
26) Perylene-d12	16.40	264	2156	4.00	ppb	0.00

System Monitoring Compounds

5) Nitrobenzene-d5	6.59	82	224082m	8.93	ppb	0.03
Spiked Amount 5.000	Range 17 - 131		Recovery = 178.60%#			
10) 2-Fluorobiphenyl	8.87	172	589405	19.53	ppb	-0.02
Spiked Amount 5.000	Range 15 - 137		Recovery = 390.60%#			
16) 2,4,6-Tribromophenol	10.44	330	405310	225.48	ppb	0.02
Spiked Amount 10.000	Range 10 - 123		Recovery = 2254.80%#			
23) Terphenyl-d14	12.66	244	155023	67.67	ppb	0.02
Spiked Amount 5.000	Range 10 - 160		Recovery = 1353.40%#			

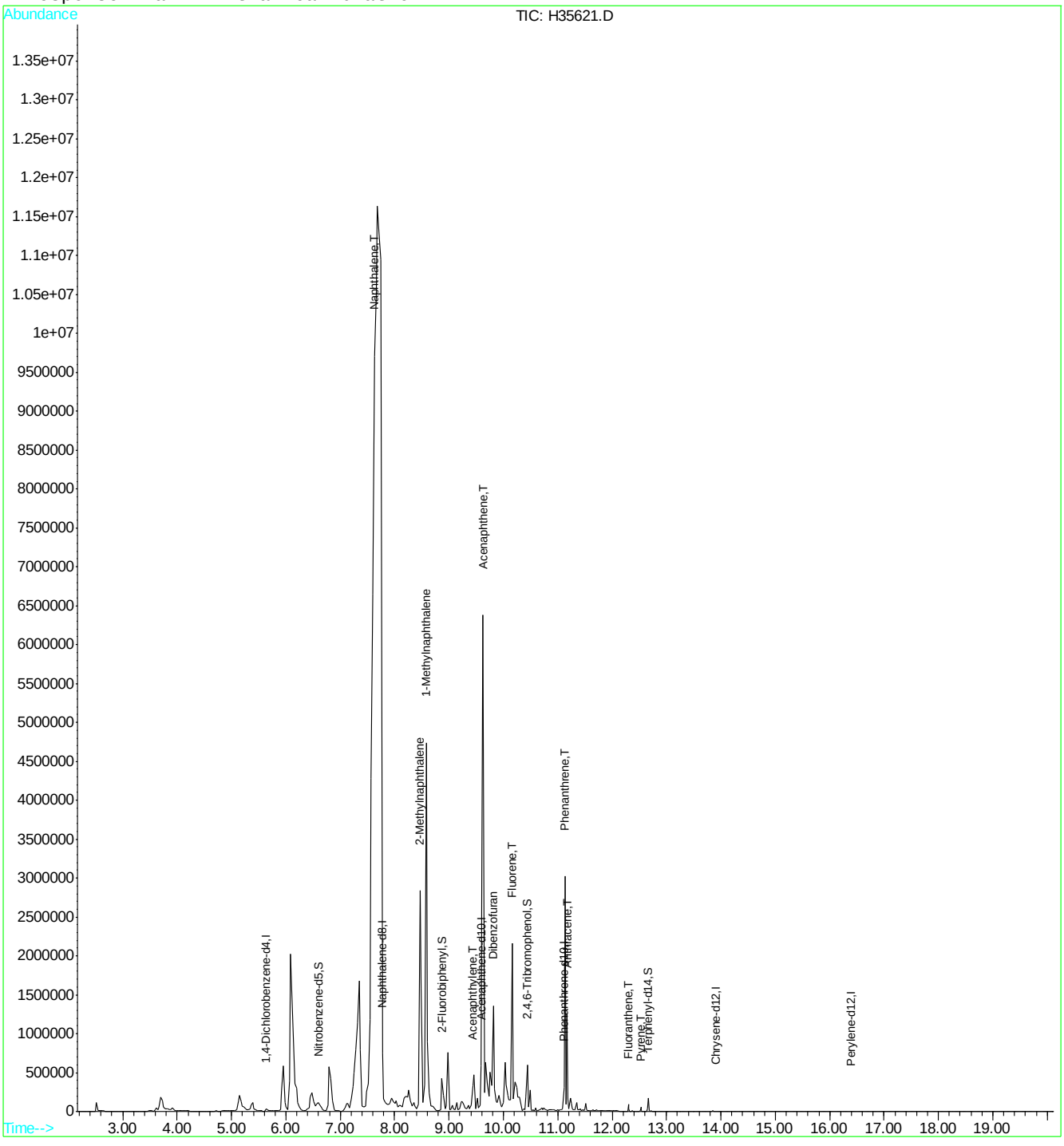
Target Compounds							Qvalue
6) Naphthalene	7.63	128	66978084m	237.82	ppb		
7) 2-Methylnaphthalene	8.46	142	4380217	15.24	ppb	#	1
8) 1-Methylnaphthalene	8.58	142	5408863	15.76	ppb	#	49
11) Acenaphthylene	9.43	152	376286	9.59	ppb	#	68
12) Acenaphthene	9.62	153	5311786	170.59	ppb		87
13) Dibenzofuran	9.81	168	1795086m	61.36	ppb		
14) Fluorene	10.16	166	1383113	73.65	ppb		95
18) Phenanthrene	11.13	178	2654539m	122.58	ppb		
19) Anthracene	11.17	178	489122m	17.73	ppb		
20) Fluoranthene	12.29	202	106263	8.03	ppb		97
22) Pyrene	12.53	202	64563	6.99	ppb	#	90

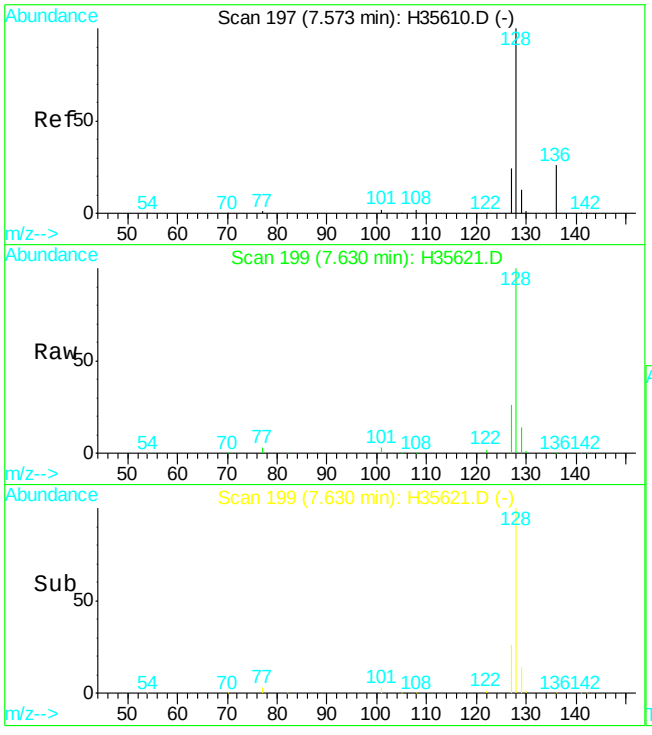
(#) = qualifier out of range (m) = manual integration
H35621.D H10269SP.M Tue Oct 27 14:52:45 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1921\H35621.D Vial: 13
Acq On : 26 Oct 2009 6:10 pm Operator: sheilac
Sample : t39513-5 Inst : TXMSH
Misc : OP13270,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 18:37 2009 Quant Results File: H10269SP.RES

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Initial Calibration

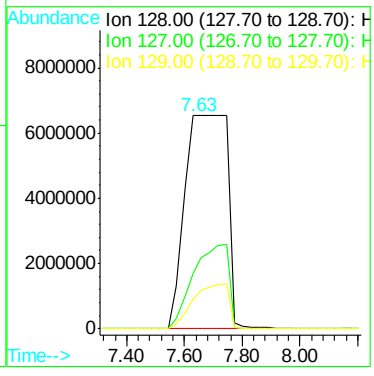


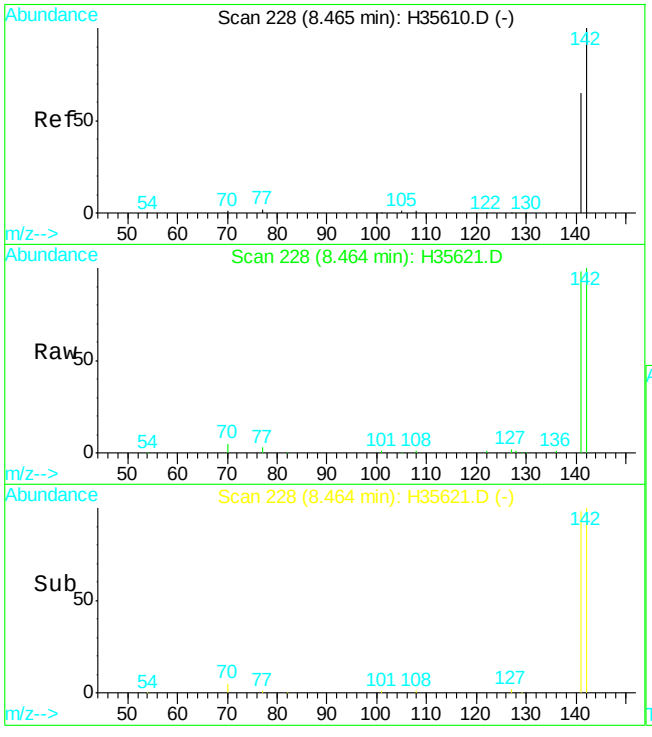


#6
Naphthalene
Concen: 237.82 ppb m
RT: 7.63 min Scan# 199
Delta R.T. 0.06 min
Lab File: H35621.D
Acq: 26 Oct 2009 6:10 pm

Tgt Ion:128 Resp:66978084

Ion	Ratio	Lower	Upper
128	100		
127	25.7	15.8	29.4
129	13.9	8.5	15.9

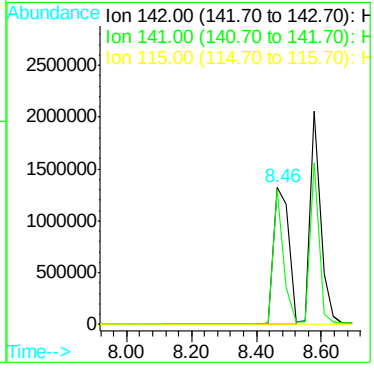


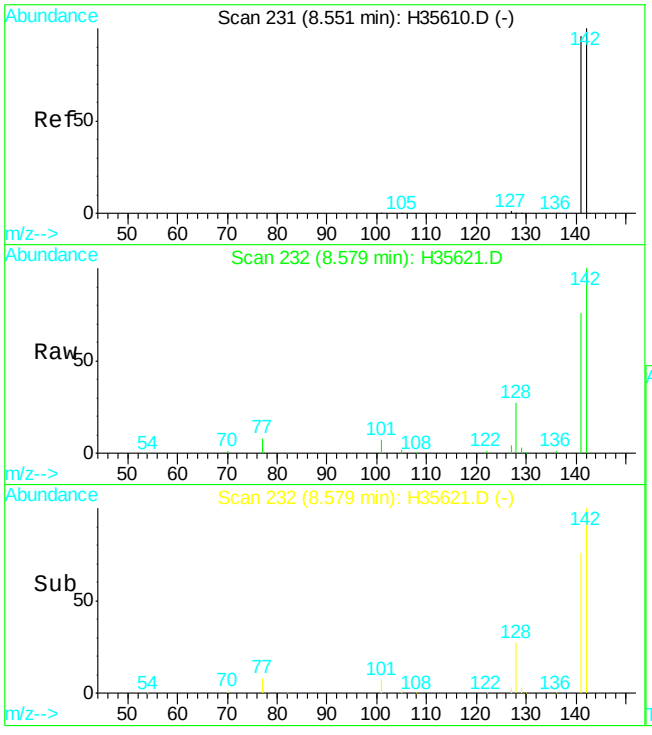


#7
2-Methylnaphthalene
Concen: 15.24 ppb
RT: 8.46 min Scan# 228
Delta R.T. 0.00 min
Lab File: H35621.D
Acq: 26 Oct 2009 6:10 pm

Tgt Ion:142 Resp: 4380217

Ion	Ratio	Lower	Upper
142	100		
141	67.3	168.7	313.3#
115	0.0	0.0	0.0

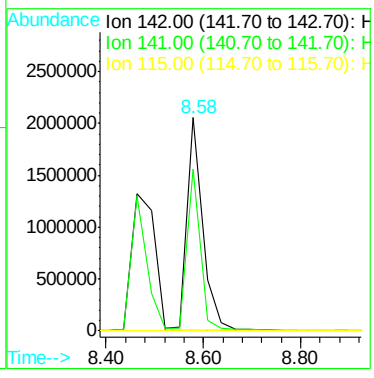


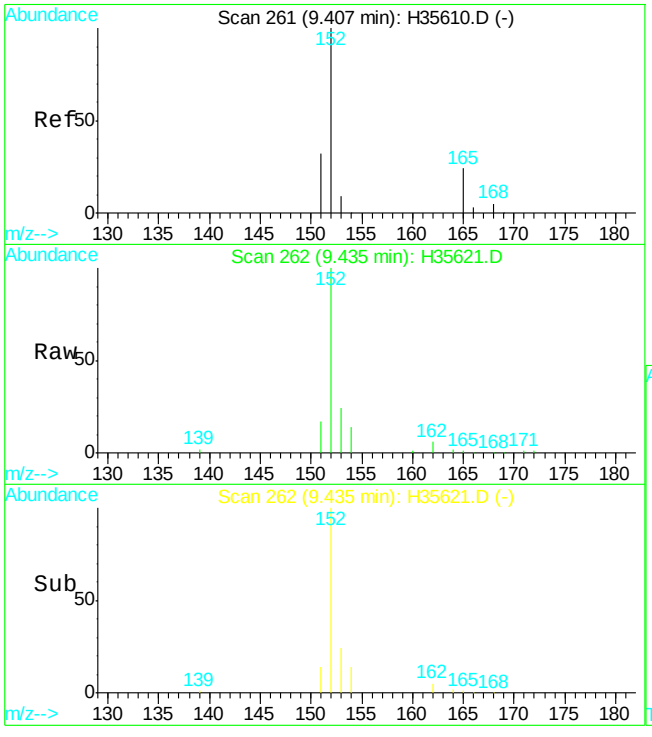


#8
1-Methylnaphthalene
Concen: 15.76 ppb
RT: 8.58 min Scan# 232
Delta R.T. 0.03 min
Lab File: H35621.D
Acq: 26 Oct 2009 6:10 pm

Tgt Ion:142 Resp: 5408863

Ion	Ratio	Lower	Upper
142	100		
141	64.7	85.3	158.3#
115	0.0	0.0	0.0

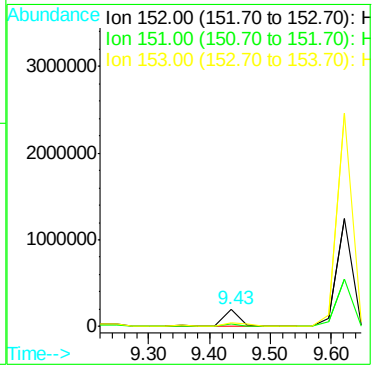


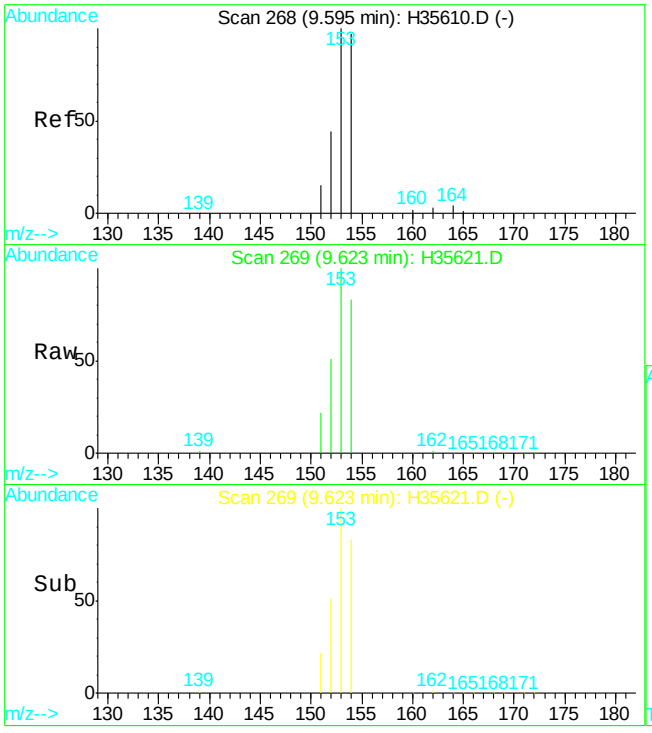


#11
Acenaphthylene
Concen: 9.59 ppb
RT: 9.43 min Scan# 262
Delta R.T. 0.00 min
Lab File: H35621.D
Acq: 26 Oct 2009 6:10 pm

Tgt Ion:152 Resp: 376286

Ion	Ratio	Lower	Upper
152	100		
151	16.3	22.8	42.4#
153	23.5	5.9	11.1#

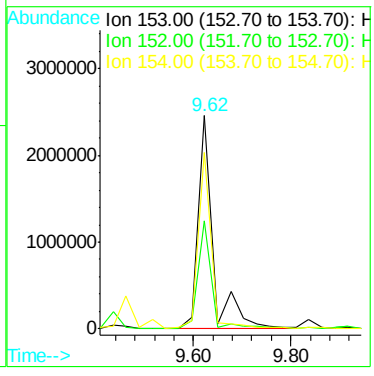


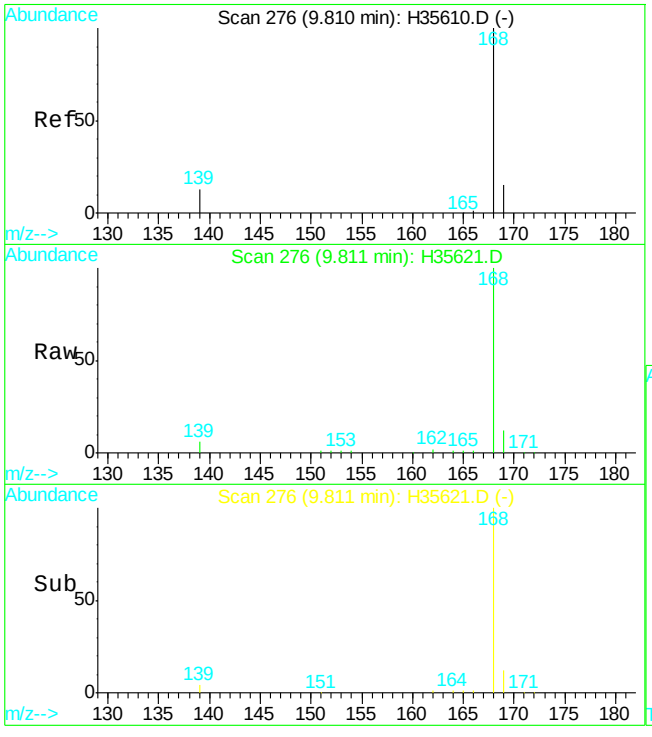


#12
Acenaphthene
Concen: 170.59 ppb
RT: 9.62 min Scan# 269
Delta R.T. -0.00 min
Lab File: H35621.D
Acq: 26 Oct 2009 6:10 pm

Tgt Ion:153 Resp: 5311786

Ion	Ratio	Lower	Upper
153	100		
152	50.6	31.0	57.6
154	82.9	67.6	125.6

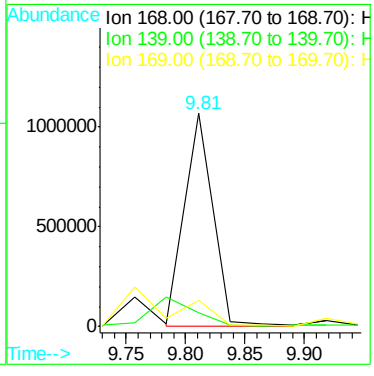


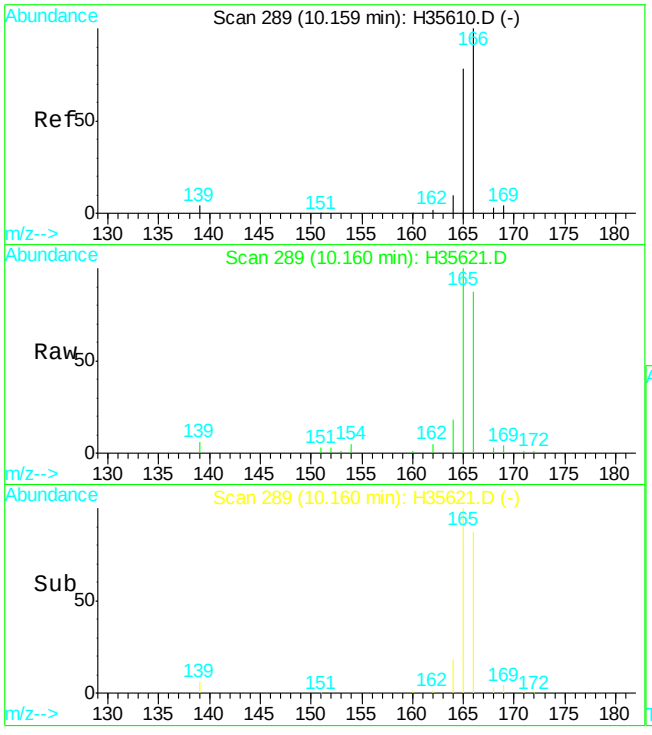


#13
Dibenzofuran
Concen: 61.36 ppb m
RT: 9.81 min Scan# 276
Delta R.T. -0.03 min
Lab File: H35621.D
Acq: 26 Oct 2009 6:10 pm

Tgt Ion:168 Resp: 1795086

Ion	Ratio	Lower	Upper
168	100		
139	22.6	37.9	70.5#
169	35.0	10.6	19.6#

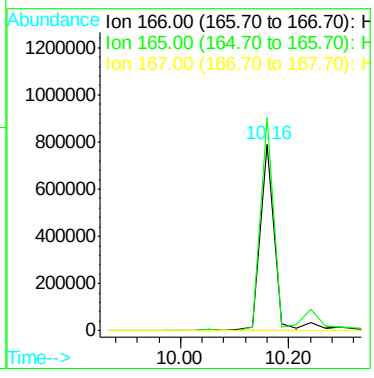


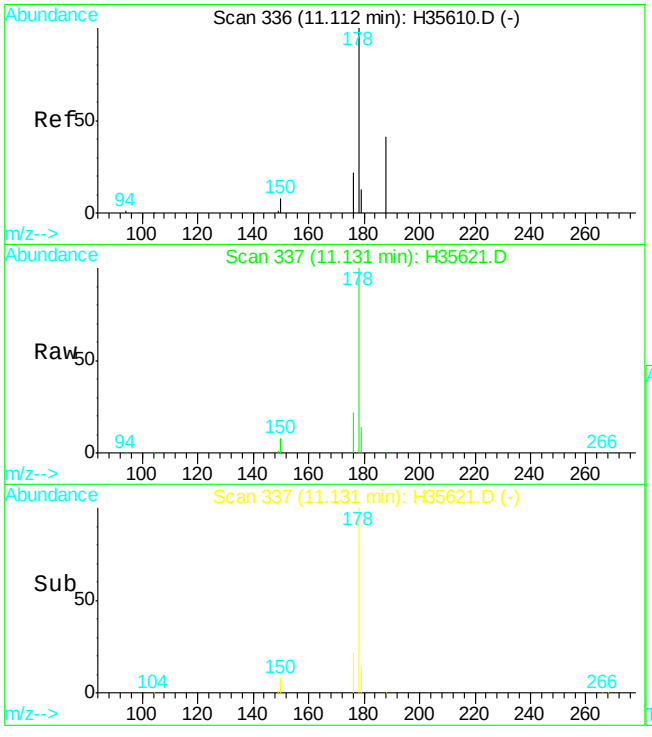


#14
Fluorene
Concen: 73.65 ppb
RT: 10.16 min Scan# 289
Delta R.T. -0.03 min
Lab File: H35621.D
Acq: 26 Oct 2009 6:10 pm

Tgt Ion:166 Resp: 1383113

Ion	Ratio	Lower	Upper
166	100		
165	113.6	75.7	140.7
167	0.0	0.0	0.0

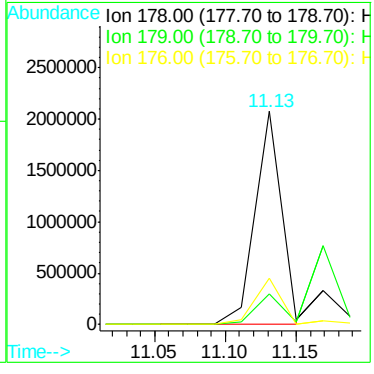


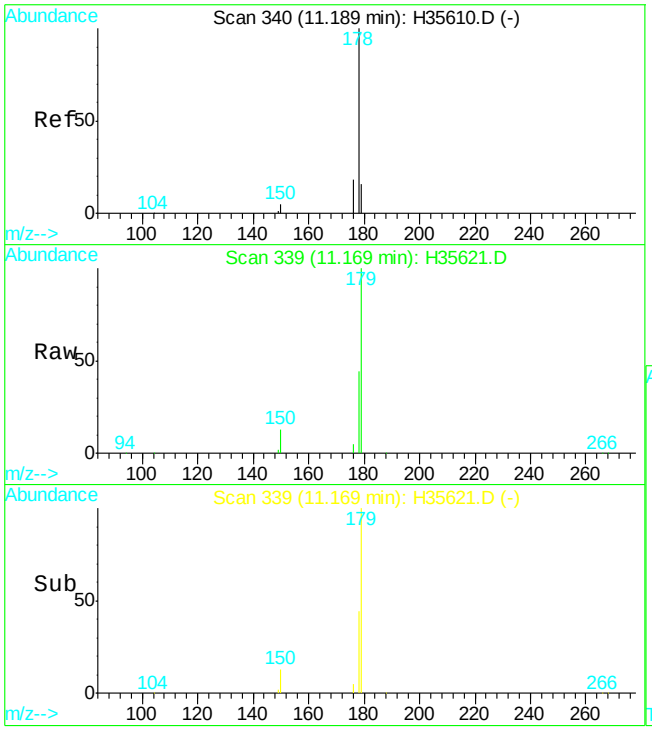


#18
Phenanthrene
Concen: 122.58 ppb m
RT: 11.13 min Scan# 337
Delta R.T. -0.00 min
Lab File: H35621.D
Acq: 26 Oct 2009 6:10 pm

Tgt Ion:178 Resp: 2654539

Ion	Ratio	Lower	Upper
178	100		
179	14.5	9.0	16.8
176	21.6	16.0	29.8

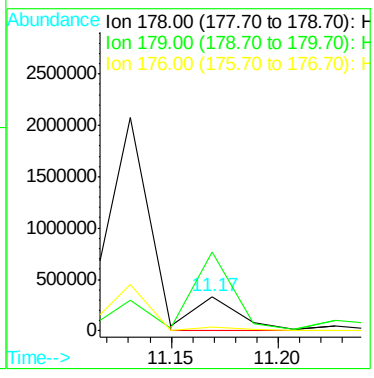


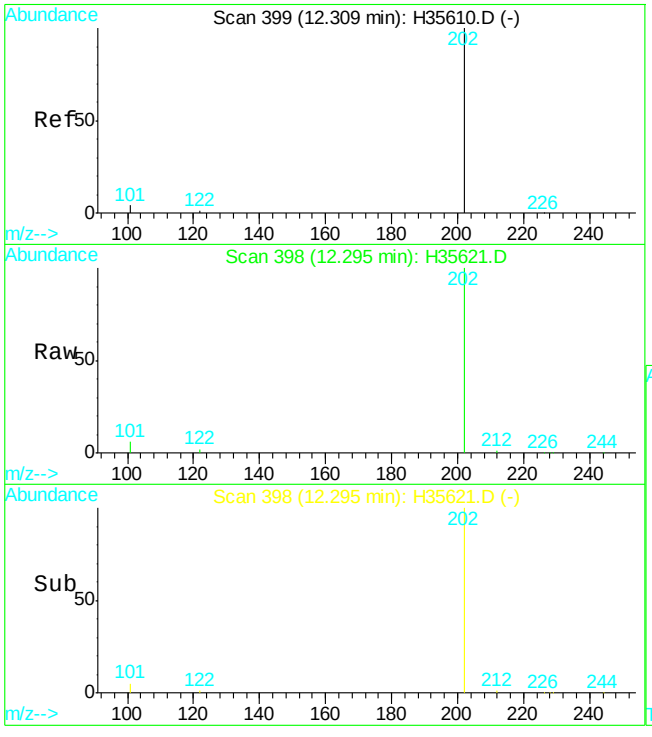


#19
Anthracene
Concen: 17.73 ppb m
RT: 11.17 min Scan# 339
Delta R.T. -0.04 min
Lab File: H35621.D
Acq: 26 Oct 2009 6:10 pm

Tgt Ion:178 Resp: 489122

Ion	Ratio	Lower	Upper
178	100		
179	227.3	11.4	21.2#
176	11.2	12.7	23.7#

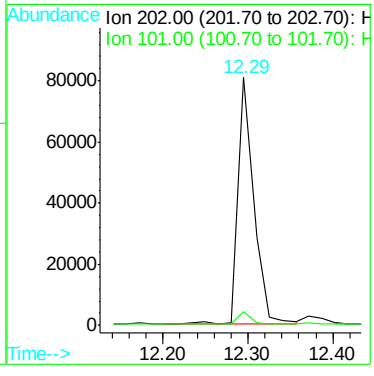


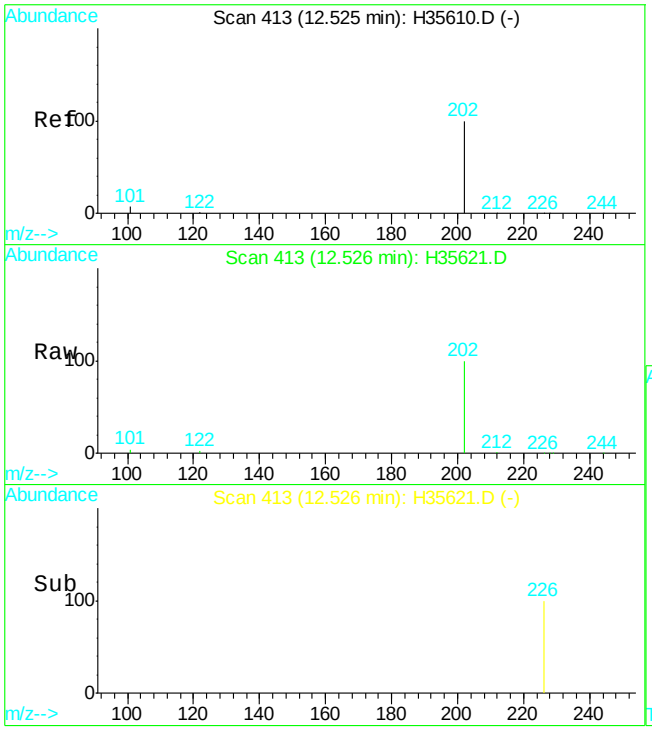


#20
Fluoranthene
Concen: 8.03 ppb
RT: 12.29 min Scan# 398
Delta R.T. -0.03 min
Lab File: H35621.D
Acq: 26 Oct 2009 6:10 pm

Tgt Ion:202 Resp: 106263

Ion	Ratio	Lower	Upper
202	100		
101	5.1	2.8	5.2

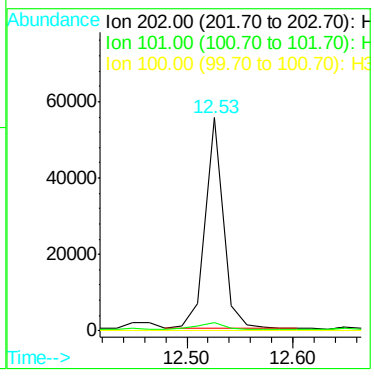




#22
Pyrene
Concen: 6.99 ppb
RT: 12.53 min Scan# 413
Delta R.T. 0.03 min
Lab File: H35621.D
Acq: 26 Oct 2009 6:10 pm

Tgt Ion:202 Resp: 64563

Ion	Ratio	Lower	Upper
202	100		
101	3.3	4.8	9.0#
100	0.0	0.0	0.0



8.1.25

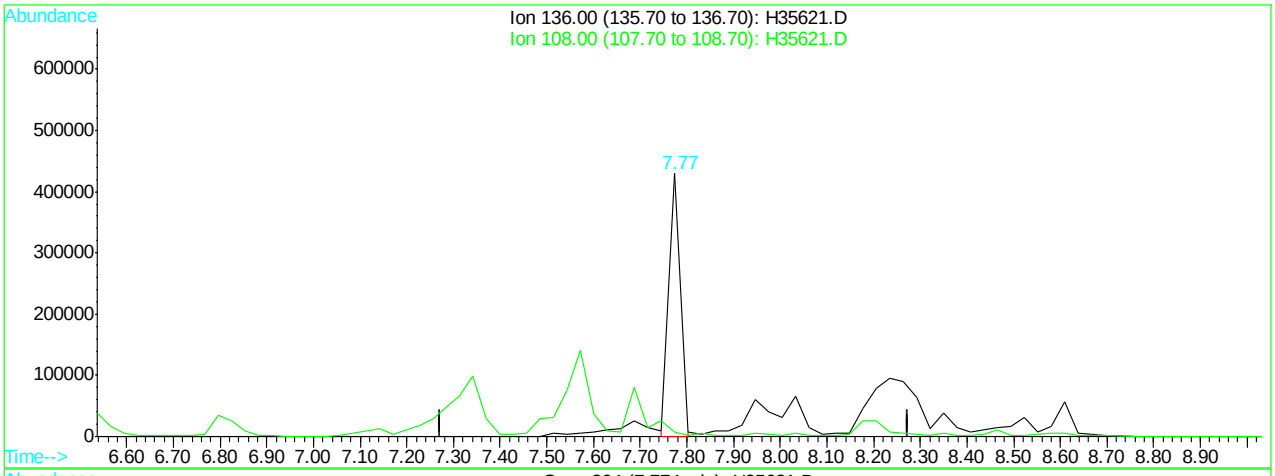
8

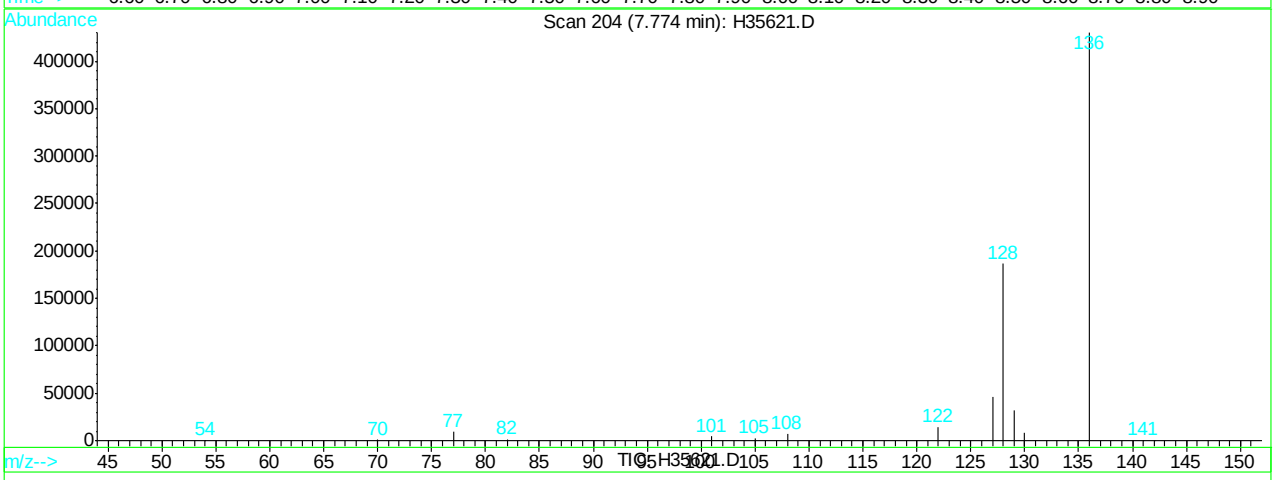
ACCUTEST Laboratories T39513

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35621.D Vial: 13
Acq On : 26 Oct 2009 6:10 pm Operator: sheilac
Sample : t39513-5 Inst : TXMSH
Misc : OP13270,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 18:37 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(4) Naphthalene-d8 (I)

7.77min 4.00ppb m

response 754538

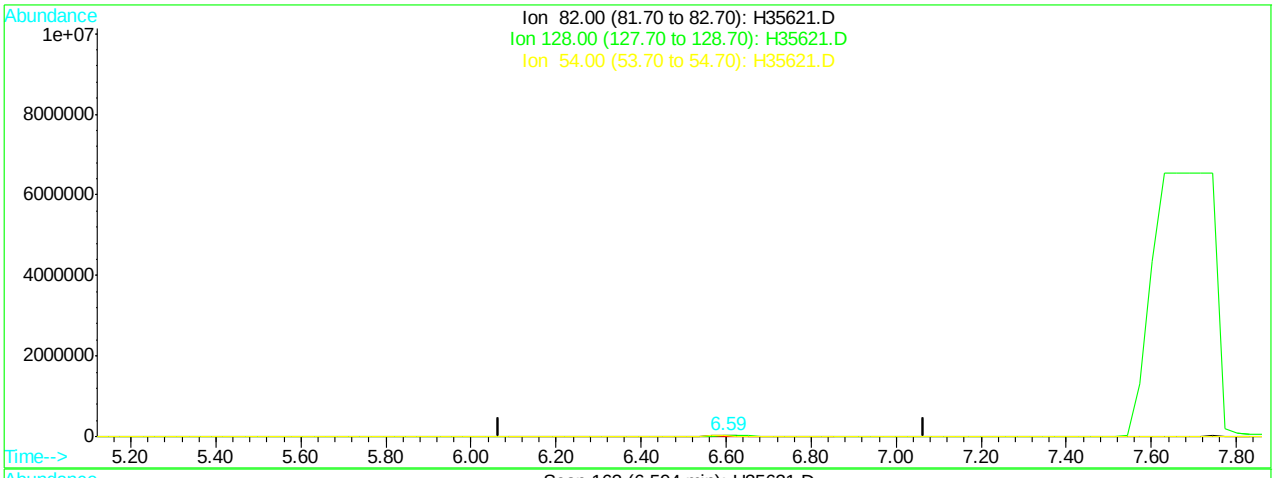
Ion	Exp%	Act%
136.00	100	100
108.00	1.60	1.58
0.00	0.00	0.00
0.00	0.00	0.00

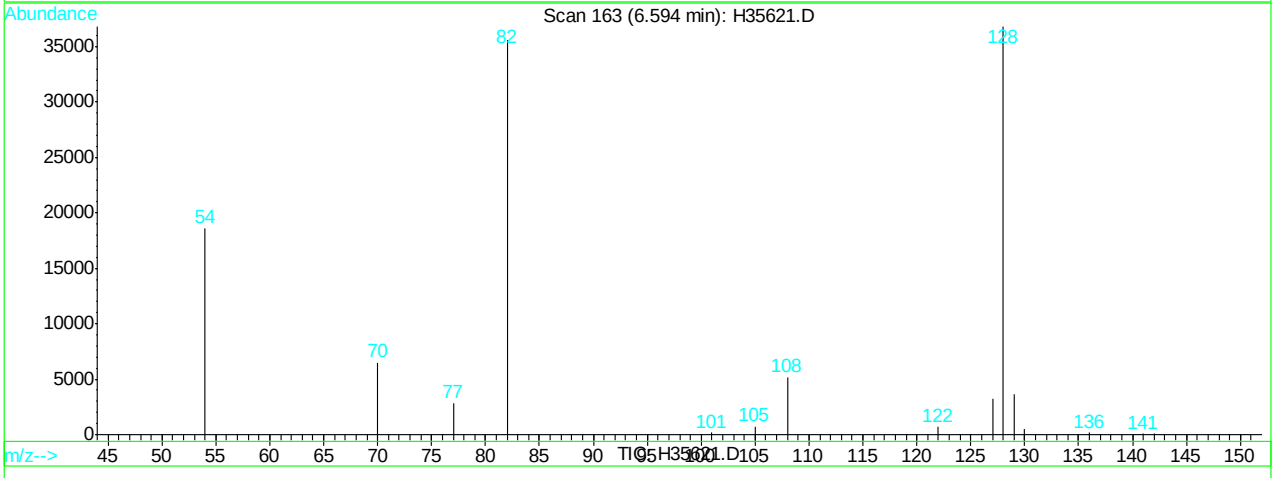
H35621.D H10269SP.M Tue Oct 27 14:53:26 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35621.D Vial: 13
Acq On : 26 Oct 2009 6:10 pm Operator: sheilac
Sample : t39513-5 Inst : TXMSH
Misc : OP13270,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 18:37 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(5) Nitrobenzene-d5 (S)

6.59min 8.93ppb

response 224082

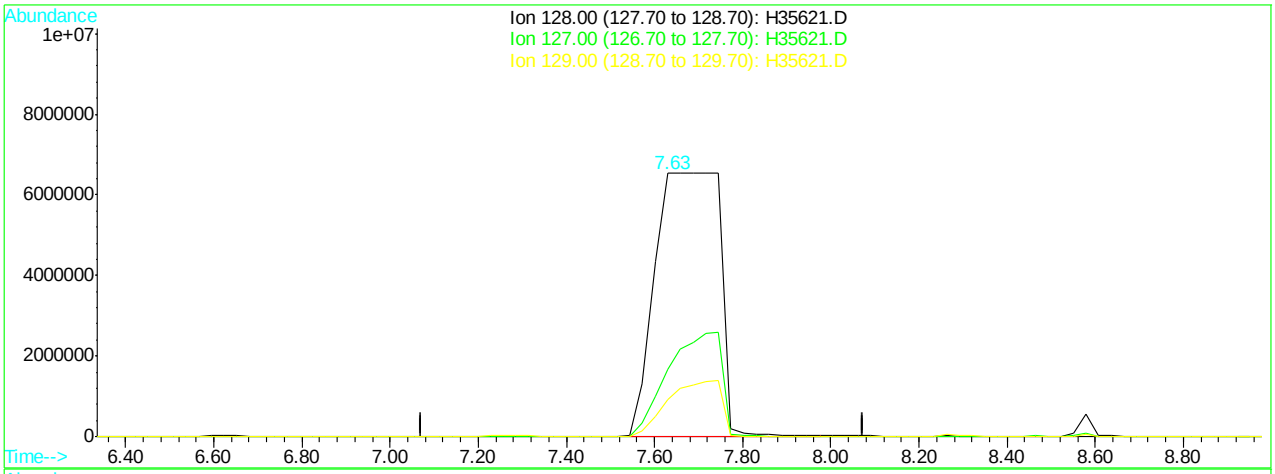
Ion	Exp%	Act%
82.00	100	100
128.00	91.60	103.39
54.00	43.10	52.31
0.00	0.00	0.00

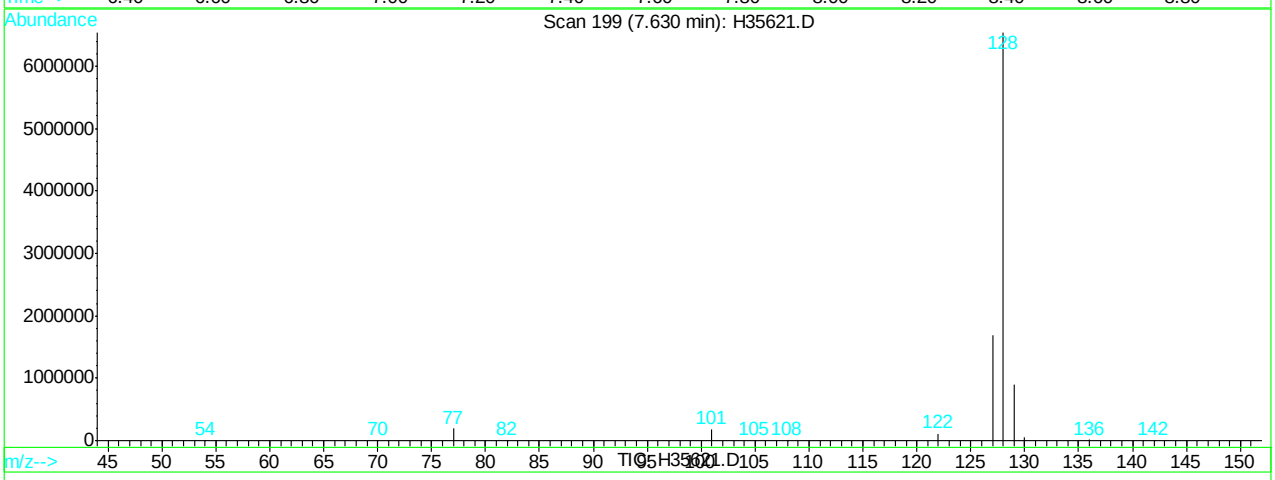
H35621.D H10269SP.M Tue Oct 27 14:53:31 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35621.D Vial: 13
Acq On : 26 Oct 2009 6:10 pm Operator: sheilac
Sample : t39513-5 Inst : TXMSH
Misc : OP13270,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 18:37 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(6) Naphthalene (T)

7.63min 237.82ppb

response 66978084

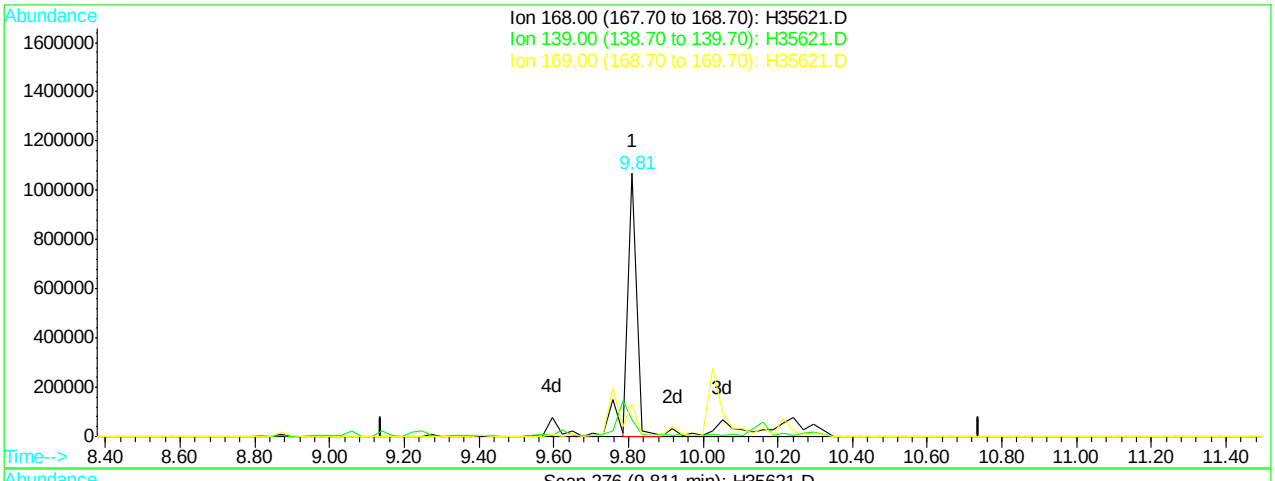
Ion	Exp%	Act%
128.00	100	100
127.00	22.60	25.72
129.00	12.20	13.87
0.00	0.00	0.00

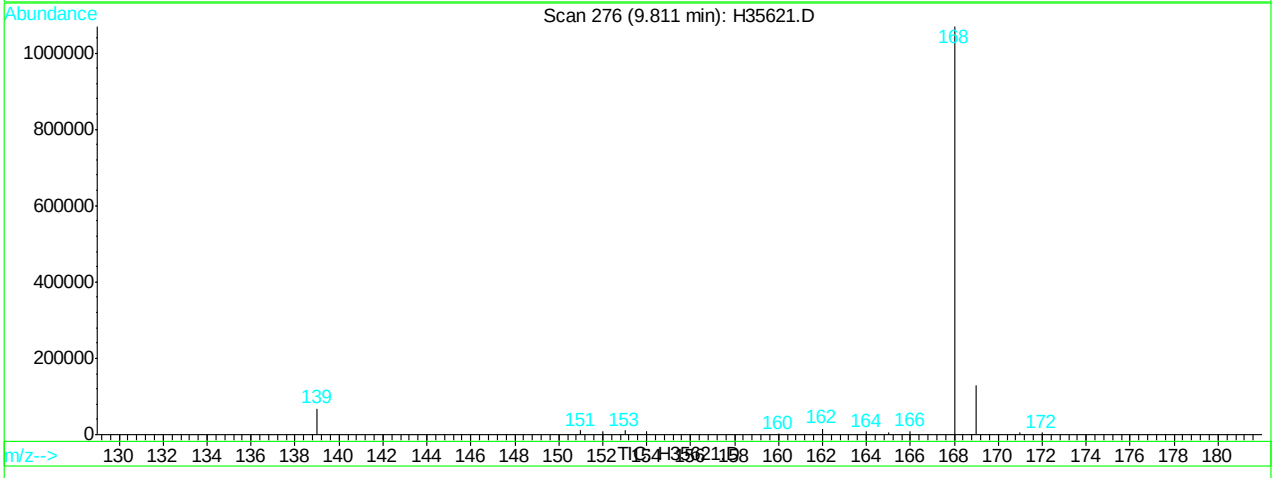
H35621.D H10269SP.M Tue Oct 27 14:53:35 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35621.D Vial: 13
Acq On : 26 Oct 2009 6:10 pm Operator: sheilac
Sample : t39513-5 Inst : TXMSH
Misc : OP13270,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 18:37 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(13) Dibenzofuran

9.81min 61.36ppb m

response 1795086

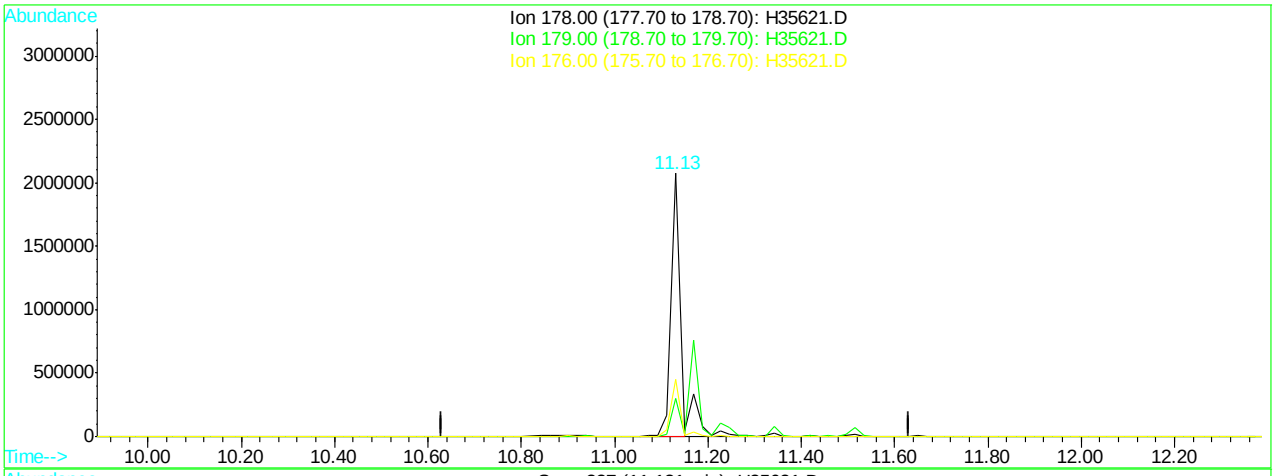
Ion	Exp%	Act%
168.00	100	100
139.00	54.20	22.59#
169.00	15.10	34.99#
0.00	0.00	0.00

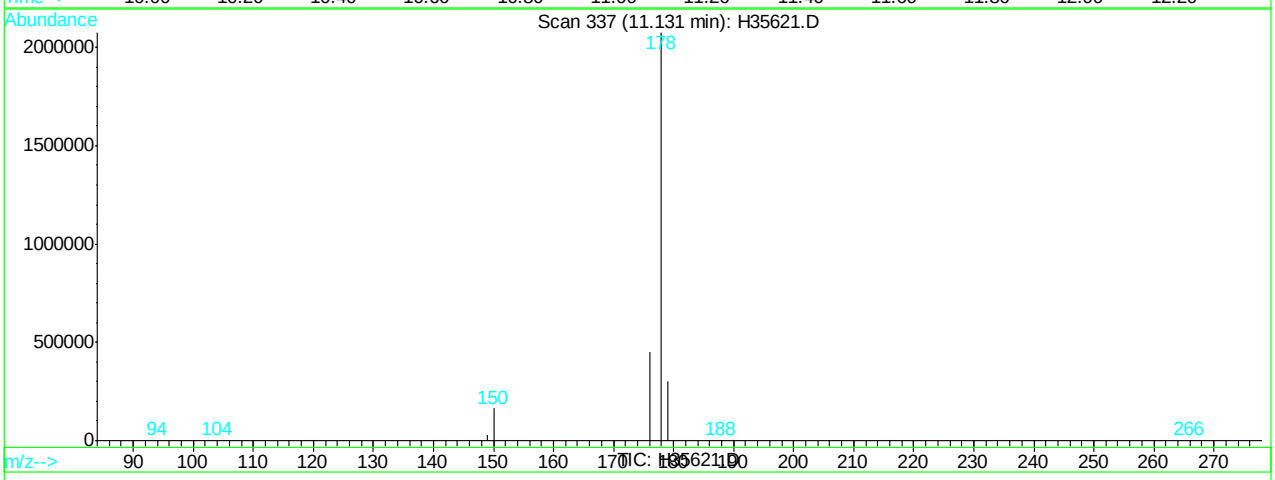
H35621.D H10269SP.M Tue Oct 27 14:53:40 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35621.D Vial: 13
Acq On : 26 Oct 2009 6:10 pm Operator: sheilac
Sample : t39513-5 Inst : TXMSH
Misc : OP13270,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 18:37 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(18) Phenanthrene (T)

11.13min 122.58ppb m

response 2654539

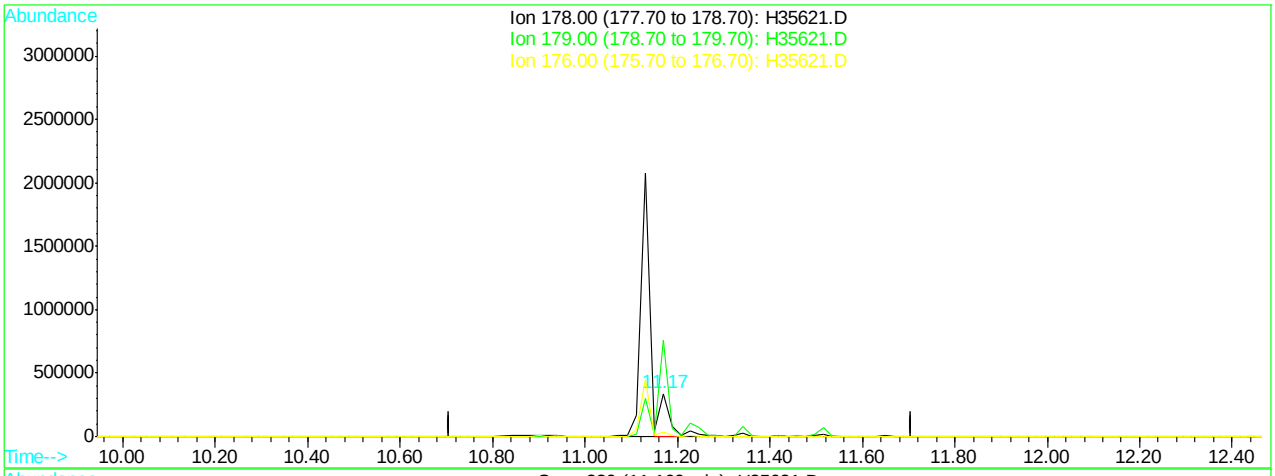
Ion	Exp%	Act%
178.00	100	100
179.00	12.90	14.46
176.00	22.90	21.61
0.00	0.00	0.00

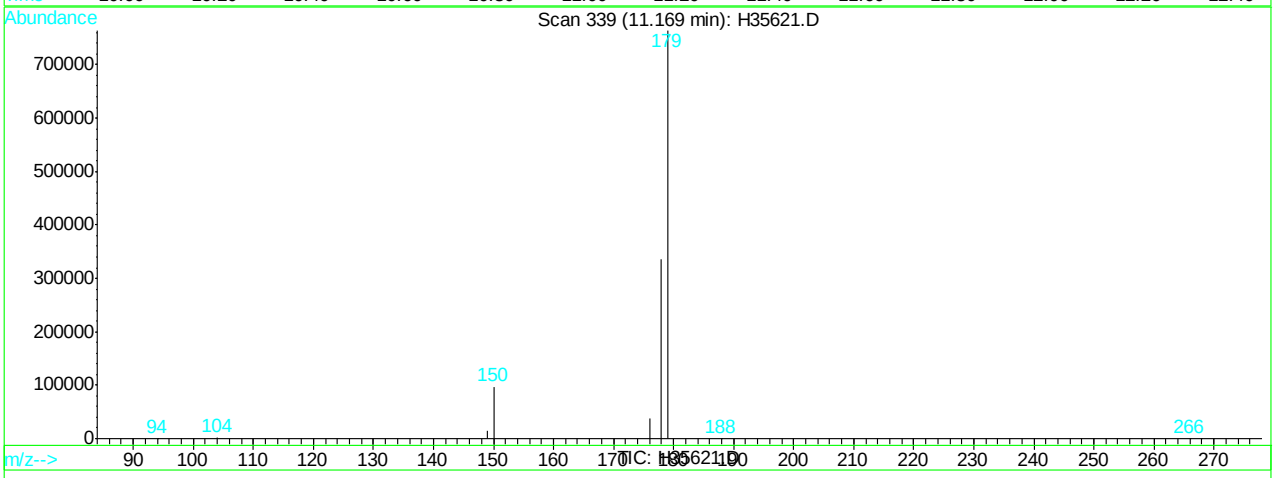
H35621.D H10269SP.M Tue Oct 27 14:53:45 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35621.D Vial: 13
Acq On : 26 Oct 2009 6:10 pm Operator: sheilac
Sample : t39513-5 Inst : TXMSH
Misc : OP13270,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 18:37 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(19) Anthracene (T)

11.17min 17.73ppb m

response 489122

Ion	Exp%	Act%
178.00	100	100
179.00	16.30	227.28#
176.00	18.20	11.17#
0.00	0.00	0.00

H35621.D H10269SP.M Tue Oct 27 14:53:49 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/27/09 17:17

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1921\H35625.D Vial: 17
Acq On : 26 Oct 2009 8:34 pm Operator: sheilac
Sample : t39513-5,4x Inst : TXMSH
Misc : OP13270,EH1921,1000,,,1,4,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 21:20 2009 Quant Results File: H10269SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 20:51:21 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.63	152	67973	4.00	ppb	0.00
4) Naphthalene-d8	7.72	136	68335	4.00	ppb	0.00
9) Acenaphthene-d10	9.57	164	54883	4.00	ppb	-0.03
15) Phenanthrene-d10	11.09	188	82706	4.00	ppb	-0.02
21) Chrysene-d12	13.90	240	13906	4.00	ppb	0.00
26) Perylene-d12	16.42	264	3840	4.00	ppb	0.02

System Monitoring Compounds

5) Nitrobenzene-d5	6.57	82	32620m	14.36	ppb	0.00
Spiked Amount 5.000	Range 17 - 131		Recovery = 287.20%#			
10) 2-Fluorobiphenyl	8.87	172	470279	16.12	ppb	-0.02
Spiked Amount 5.000	Range 15 - 137		Recovery = 322.40%#			
16) 2,4,6-Tribromophenol	10.42	330	103054	37.31	ppb	0.00
Spiked Amount 10.000	Range 10 - 123		Recovery = 373.10%#			
23) Terphenyl-d14	12.66	244	86314	19.43	ppb	0.02
Spiked Amount 5.000	Range 10 - 160		Recovery = 388.60%#			

Target Compounds

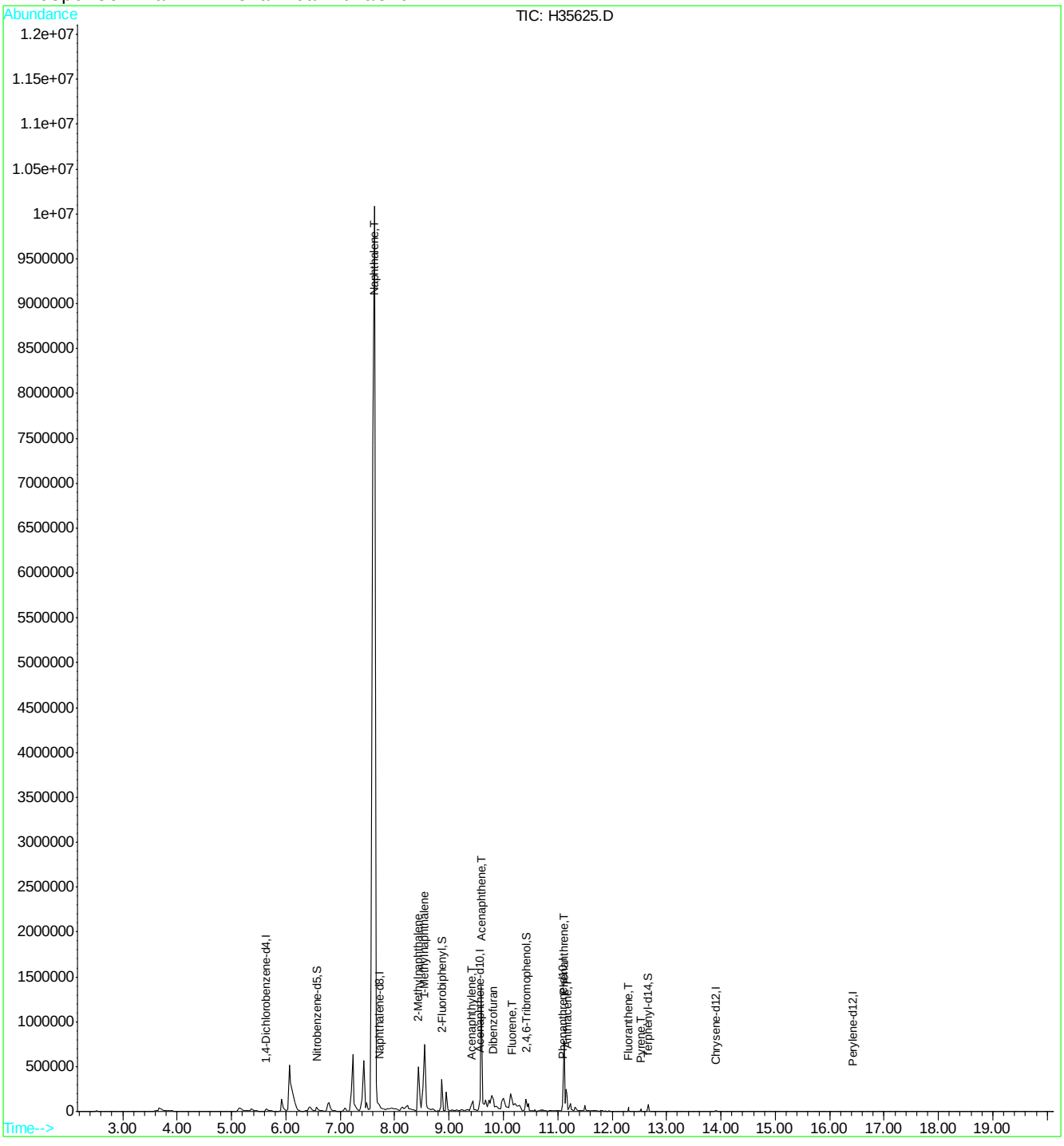
							Qvalue
6) Naphthalene	7.63	128	22313022	874.80	ppb	#	87
7) 2-Methylnaphthalene	8.44	142	487318	17.46	ppb	#	19
8) 1-Methylnaphthalene	8.55	142	813201	24.90	ppb	#	70
11) Acenaphthylene	9.41	152	88802	2.56	ppb	#	94
12) Acenaphthene	9.60	153	949926	31.57	ppb	#	75
13) Dibenzofuran	9.81	168	232799m	8.23	ppb		
14) Fluorene	10.16	166	199260	10.98	ppb	#	48
18) Phenanthrene	11.11	178	676700m	20.34	ppb		
19) Anthracene	11.17	178	174513m	4.12	ppb		
20) Fluoranthene	12.30	202	60153	3.57	ppb		99
22) Pyrene	12.53	202	37760m	1.64	ppb		

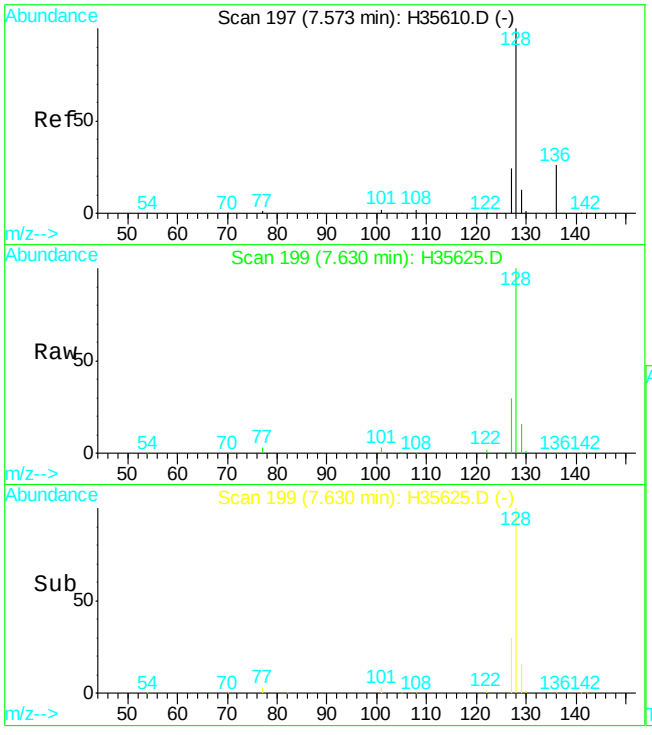
(#) = qualifier out of range (m) = manual integration
H35625.D H10269SP.M Mon Oct 26 21:21:41 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1921\H35625.D Vial: 17
Acq On : 26 Oct 2009 8:34 pm Operator: sheilac
Sample : t39513-5,4x Inst : TXMSH
Misc : OP13270,EH1921,1000,,,1,4,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 21:20 2009 Quant Results File: H10269SP.RES

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 20:51:21 2009
Response via : Initial Calibration

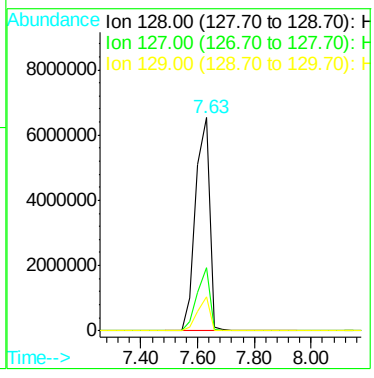


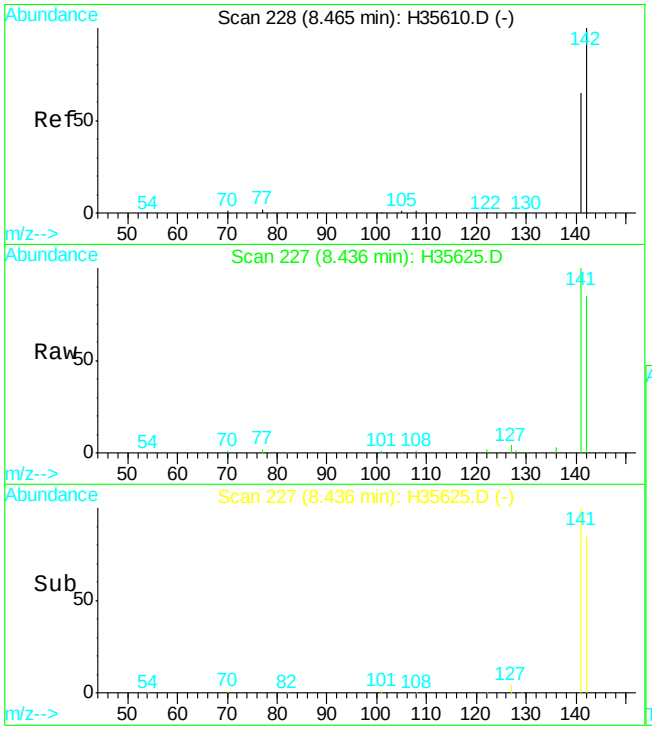


#6
Naphthalene
Concen: 874.80 ppb
RT: 7.63 min Scan# 199
Delta R.T. 0.06 min
Lab File: H35625.D
Acq: 26 Oct 2009 8:34 pm

Tgt Ion:128 Resp:22313022

Ion	Ratio	Lower	Upper
128	100		
127	29.8	15.8	29.4#
129	16.1	8.5	15.9#

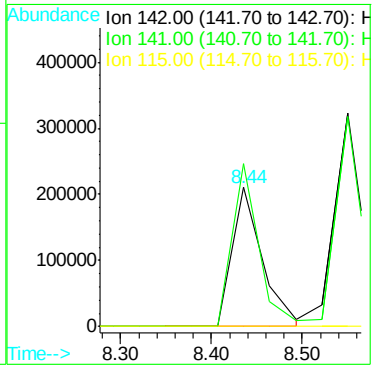




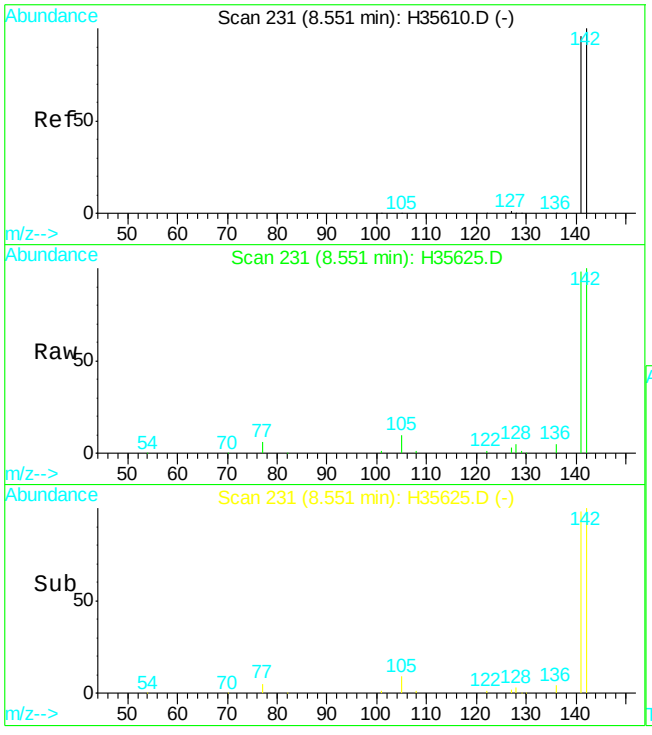
#7
2-Methylnaphthalene
Concen: 17.46 ppb
RT: 8.44 min Scan# 227
Delta R.T. -0.03 min
Lab File: H35625.D
Acq: 26 Oct 2009 8:34 pm

Tgt Ion:142 Resp: 487318

Ion	Ratio	Lower	Upper
142	100		
141	103.8	168.7	313.3#
115	0.0	0.0	0.0



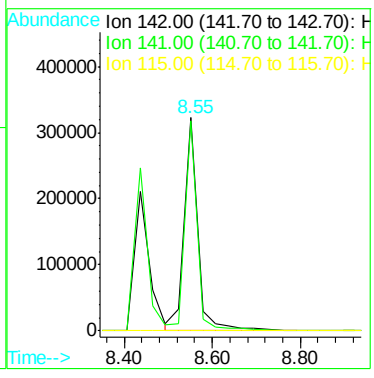
8.1.26
8

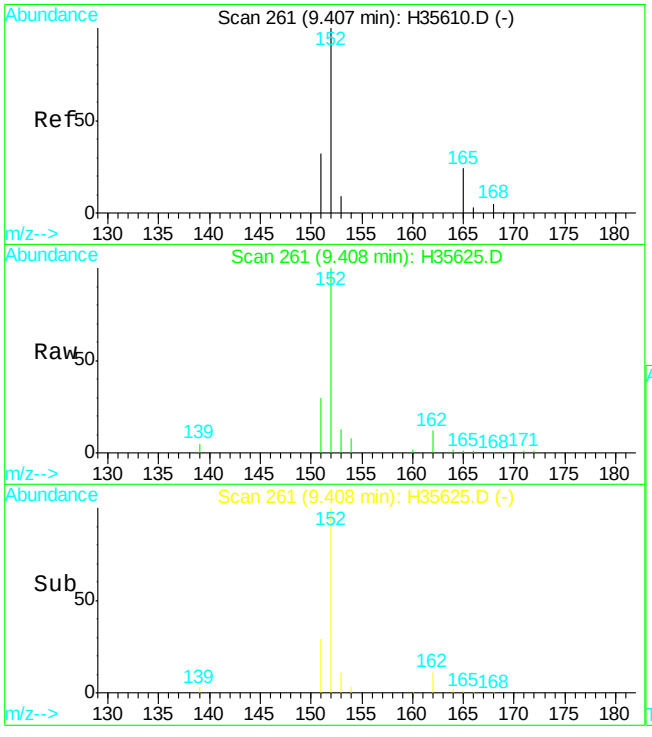


#8
1-Methylnaphthalene
Concen: 24.90 ppb
RT: 8.55 min Scan# 231
Delta R.T. -0.00 min
Lab File: H35625.D
Acq: 26 Oct 2009 8:34 pm

Tgt Ion:142 Resp: 813201

Ion	Ratio	Lower	Upper
142	100		
141	88.5	85.3	158.3
115	0.0	0.0	0.0

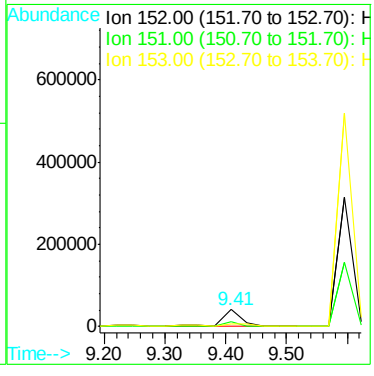


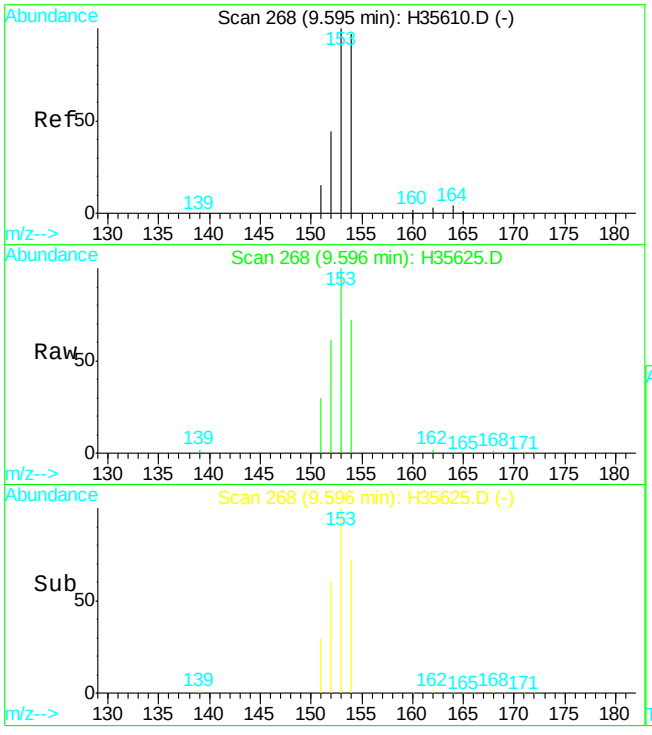


#11
Acenaphthylene
Concen: 2.56 ppb
RT: 9.41 min Scan# 261
Delta R.T. -0.03 min
Lab File: H35625.D
Acq: 26 Oct 2009 8:34 pm

Tgt Ion:152 Resp: 88802

Ion	Ratio	Lower	Upper
152	100		
151	29.6	22.8	42.4
153	11.7	5.9	11.1#

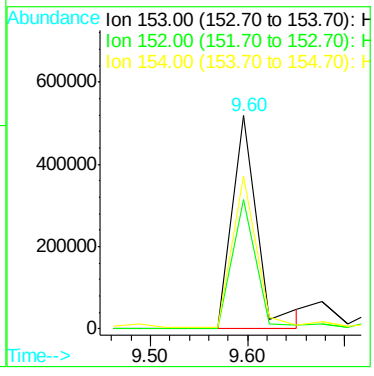


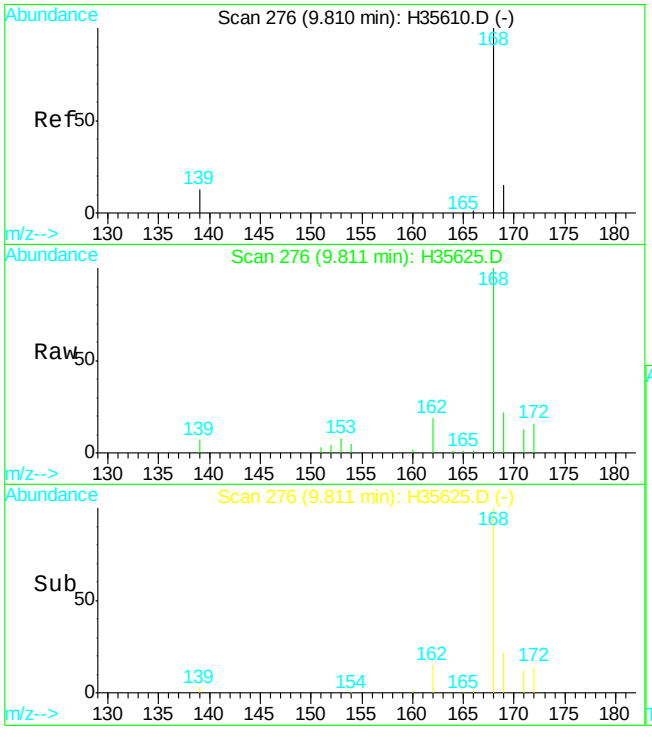


#12
Acenaphthene
Concen: 31.57 ppb
RT: 9.60 min Scan# 268
Delta R.T. -0.03 min
Lab File: H35625.D
Acq: 26 Oct 2009 8:34 pm

Tgt Ion:153 Resp: 949926

Ion	Ratio	Lower	Upper
153	100		
152	62.4	31.0	57.6#
154	74.0	67.6	125.6

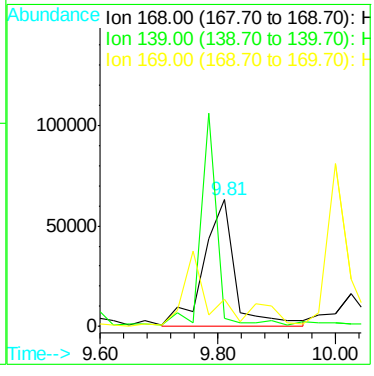


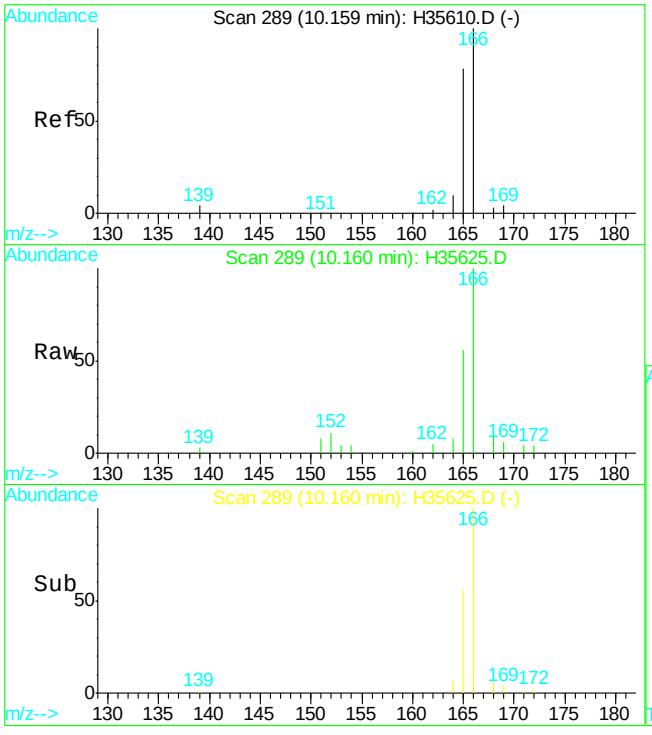


#13
Dibenzofuran
Concen: 8.23 ppb m
RT: 9.81 min Scan# 276
Delta R.T. -0.03 min
Lab File: H35625.D
Acq: 26 Oct 2009 8:34 pm

Tgt Ion:168 Resp: 232799

Ion	Ratio	Lower	Upper
168	100		
139	8.4	37.9	70.5#
169	3.5	10.6	19.6#

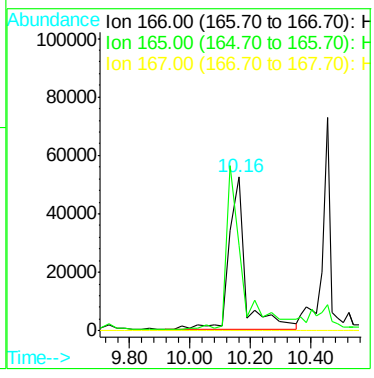


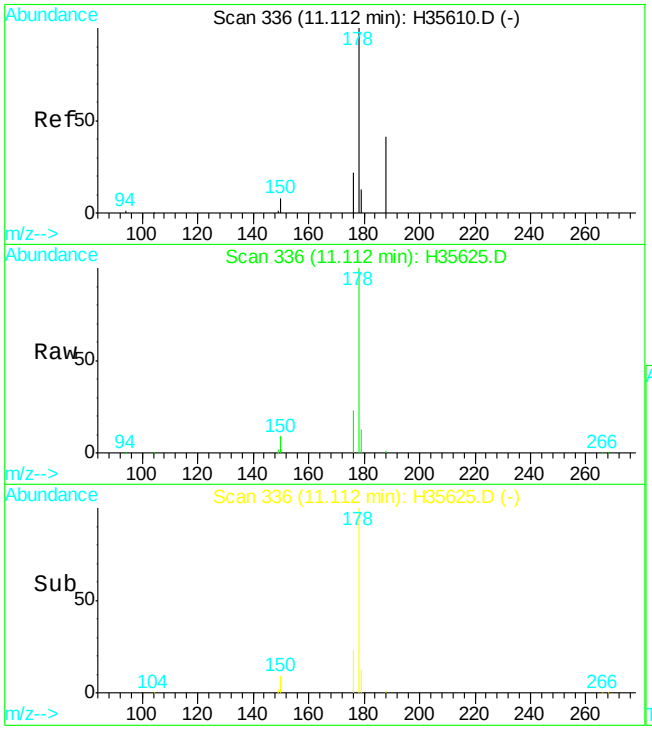


#14
Fluorene
Concen: 10.98 ppb
RT: 10.16 min Scan# 289
Delta R.T. -0.03 min
Lab File: H35625.D
Acq: 26 Oct 2009 8:34 pm

Tgt Ion:166 Resp: 199260

Ion	Ratio	Lower	Upper
166	100		
165	53.3	75.7	140.7#
167	0.0	0.0	0.0

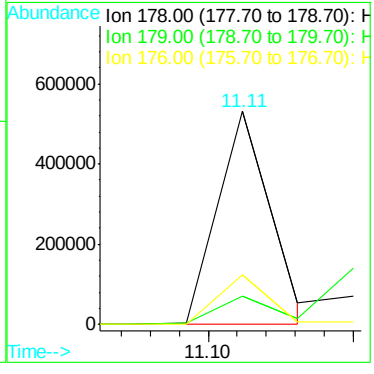


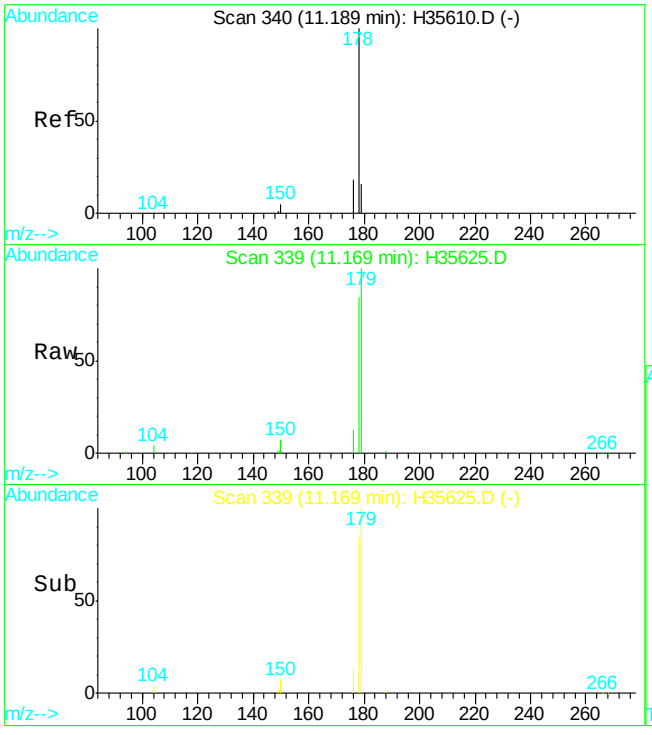


#18
Phenanthrene
Concen: 20.34 ppb m
RT: 11.11 min Scan# 336
Delta R.T. -0.02 min
Lab File: H35625.D
Acq: 26 Oct 2009 8:34 pm

Tgt Ion:178 Resp: 676700

Ion	Ratio	Lower	Upper
178	100		
179	13.1	9.0	16.8
176	23.3	16.0	29.8

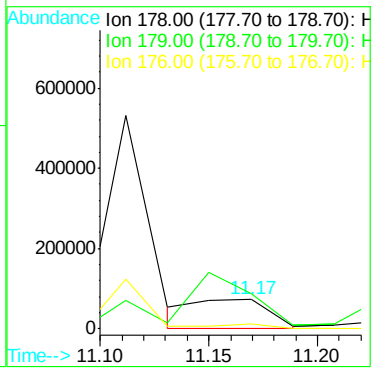


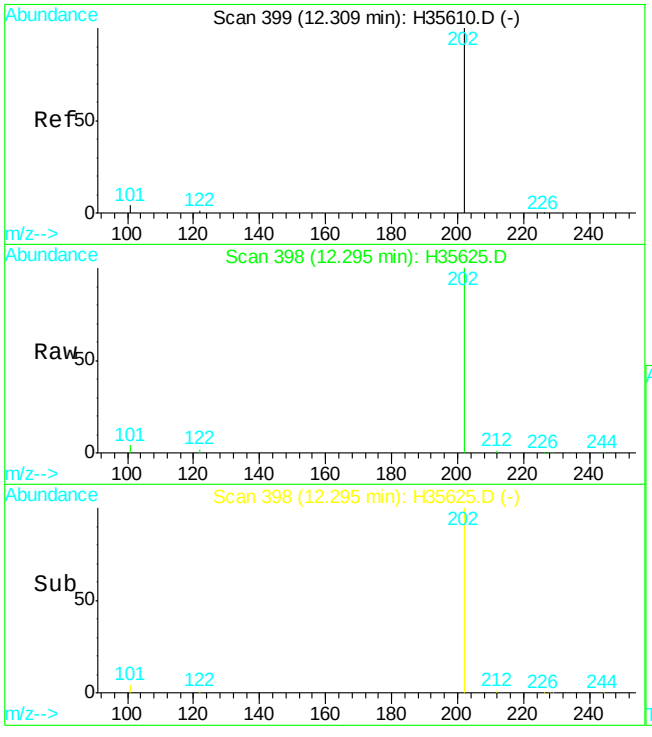


#19
Anthracene
Concen: 4.12 ppb m
RT: 11.17 min Scan# 339
Delta R.T. -0.04 min
Lab File: H35625.D
Acq: 26 Oct 2009 8:34 pm

Tgt Ion:178 Resp: 174513

Ion	Ratio	Lower	Upper
178	100		
179	118.7	11.4	21.2#
176	14.9	12.7	23.7

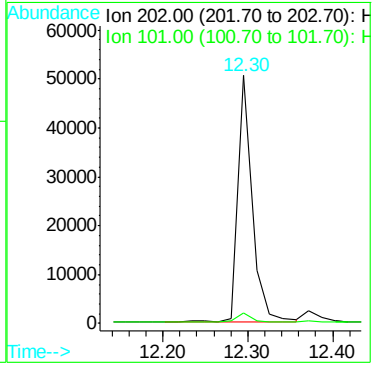


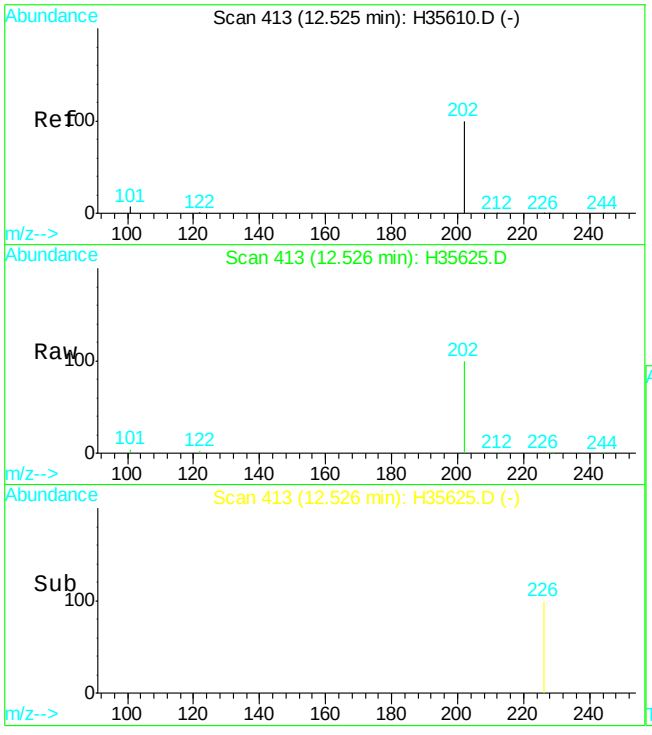


#20
Fluoranthene
Concen: 3.57 ppb
RT: 12.30 min Scan# 398
Delta R.T. -0.03 min
Lab File: H35625.D
Acq: 26 Oct 2009 8:34 pm

Tgt Ion:202 Resp: 60153

Ion	Ratio	Lower	Upper
202	100		
101	3.8	2.8	5.2

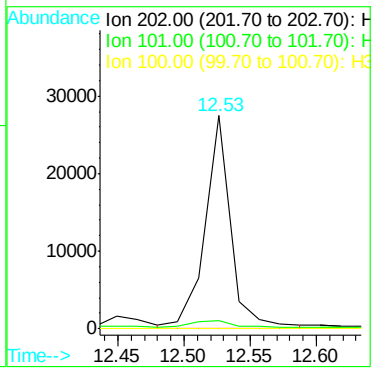




#22
Pyrene
Concen: 1.64 ppb m
RT: 12.53 min Scan# 413
Delta R.T. 0.03 min
Lab File: H35625.D
Acq: 26 Oct 2009 8:34 pm

Tgt Ion:202 Resp: 37760

Ion	Ratio	Lower	Upper
202	100		
101	4.0	4.8	9.0#
100	0.0	0.0	0.0



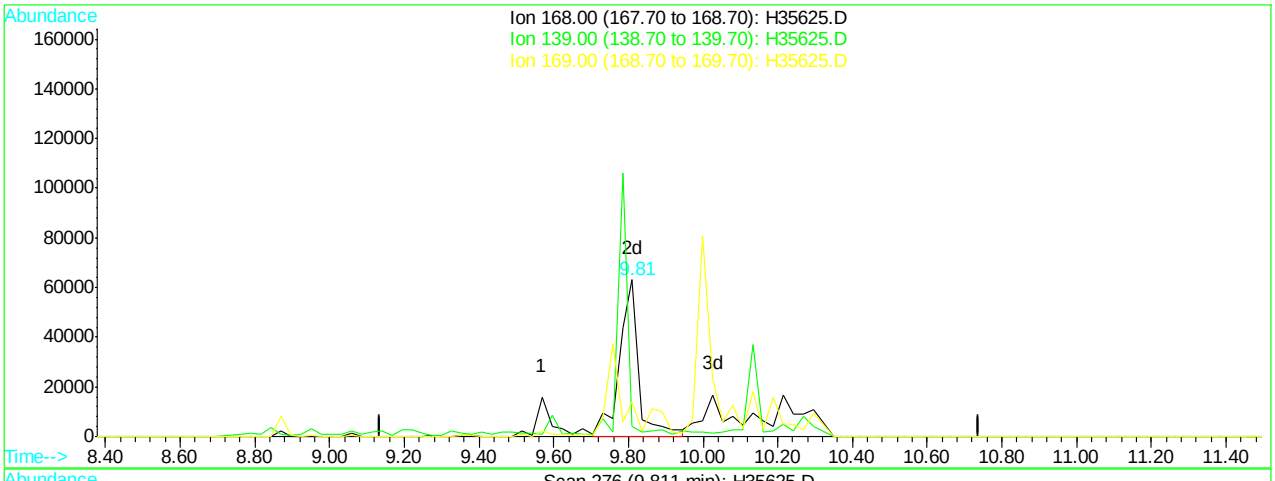
8.1.26

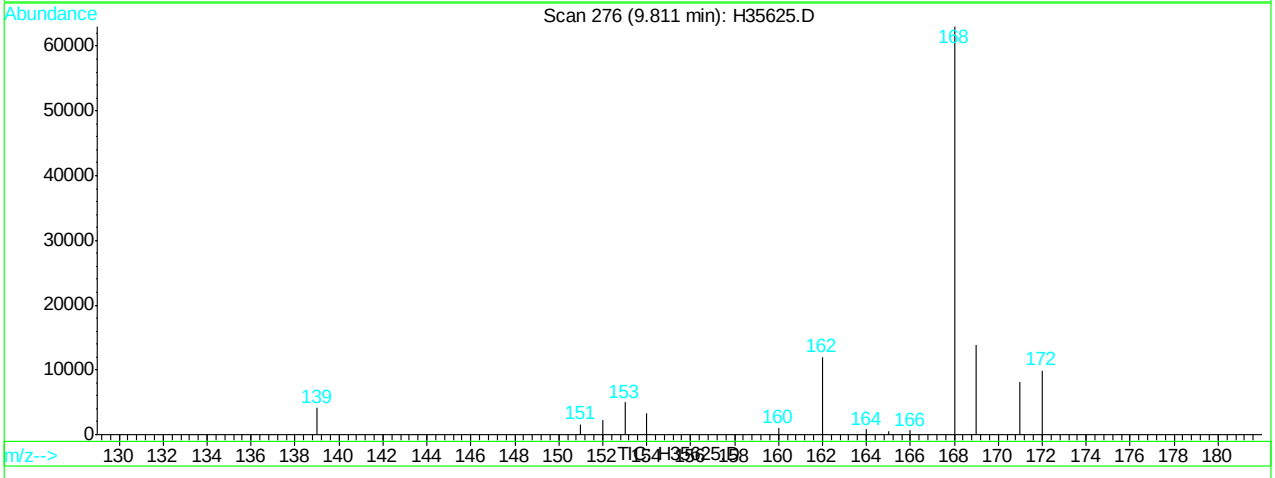
8

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35625.D Vial: 17
Acq On : 26 Oct 2009 8:34 pm Operator: sheilac
Sample : t39513-5,4x Inst : TXMSH
Misc : OP13270,EH1921,1000,,,1,4,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 21:08 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 20:51:21 2009
Response via : Multiple Level Calibration





(13) Dibenzofuran

9.81min 8.23ppb m

response 232799

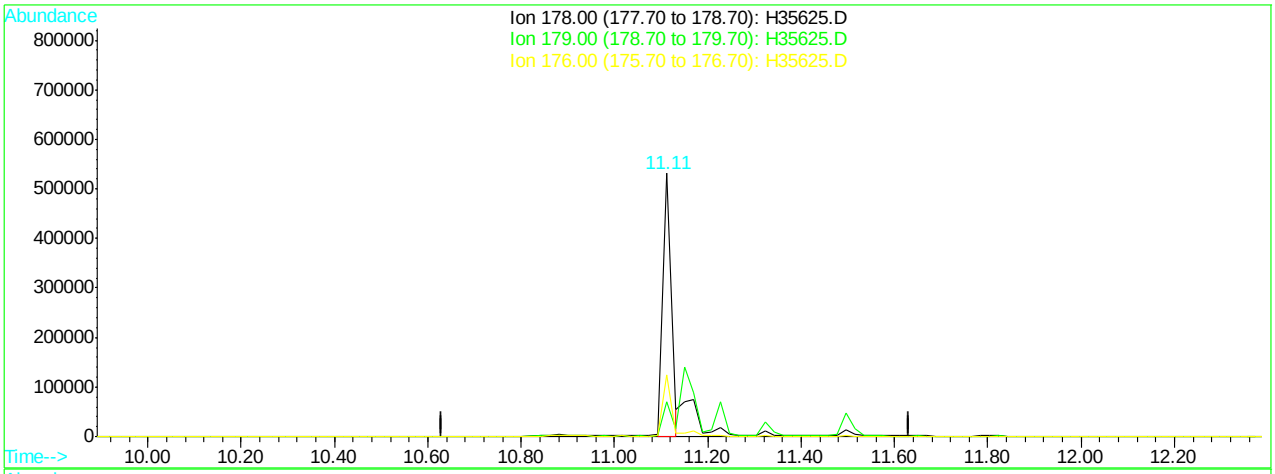
Ion	Exp%	Act%
168.00	100	100
139.00	54.20	8.43#
169.00	15.10	3.48#
0.00	0.00	0.00

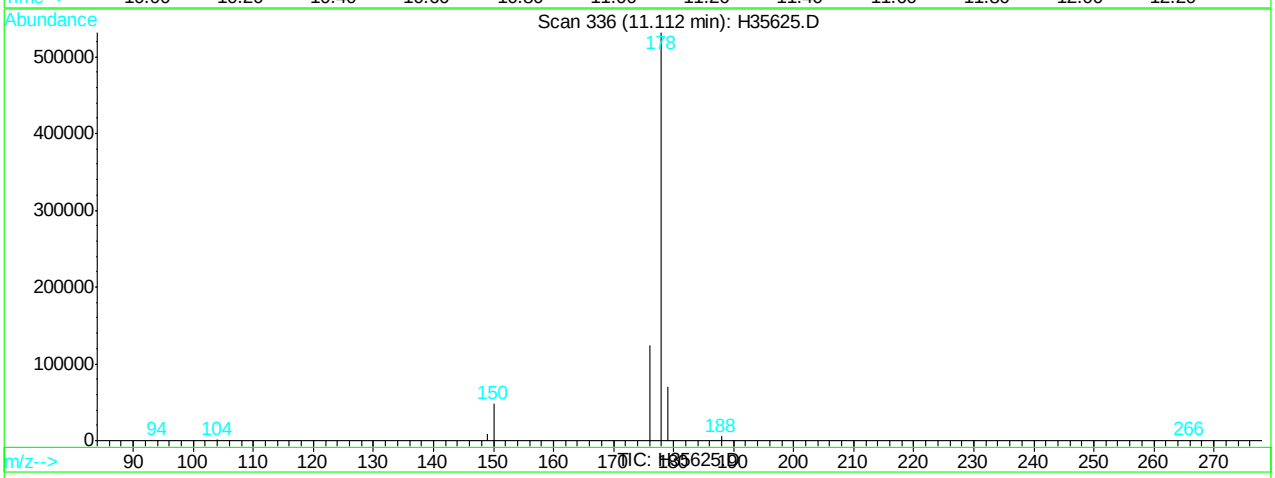
H35625.D H10269SP.M Mon Oct 26 21:12:17 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35625.D Vial: 17
Acq On : 26 Oct 2009 8:34 pm Operator: sheilac
Sample : t39513-5,4x Inst : TXMSH
Misc : OP13270,EH1921,1000,,,1,4,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 21:08 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 20:51:21 2009
Response via : Multiple Level Calibration





(18) Phenanthrene (T)

11.11min 20.34ppb m

response 676700

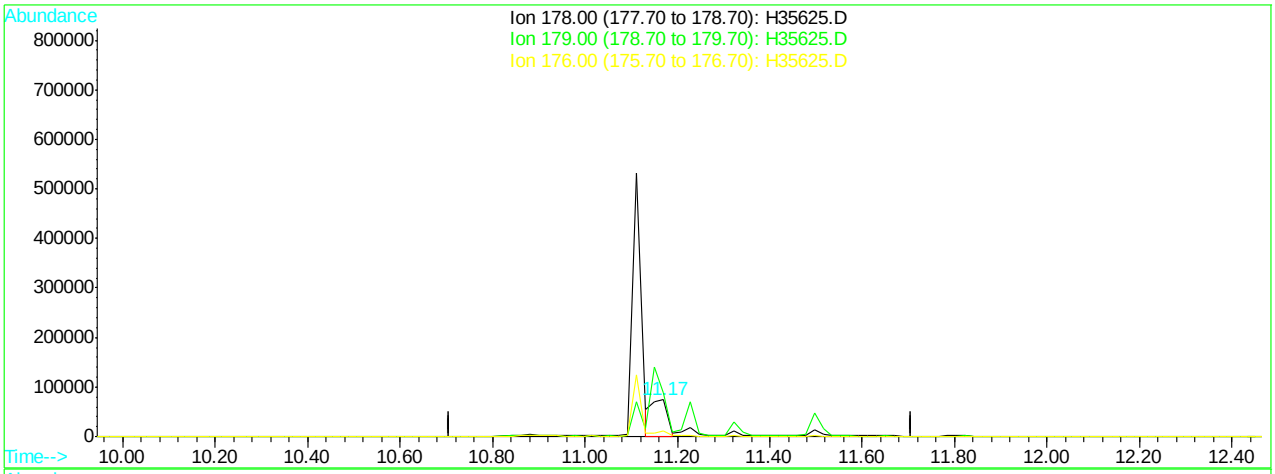
Ion	Exp%	Act%
178.00	100	100
179.00	12.90	13.14
176.00	22.90	23.31
0.00	0.00	0.00

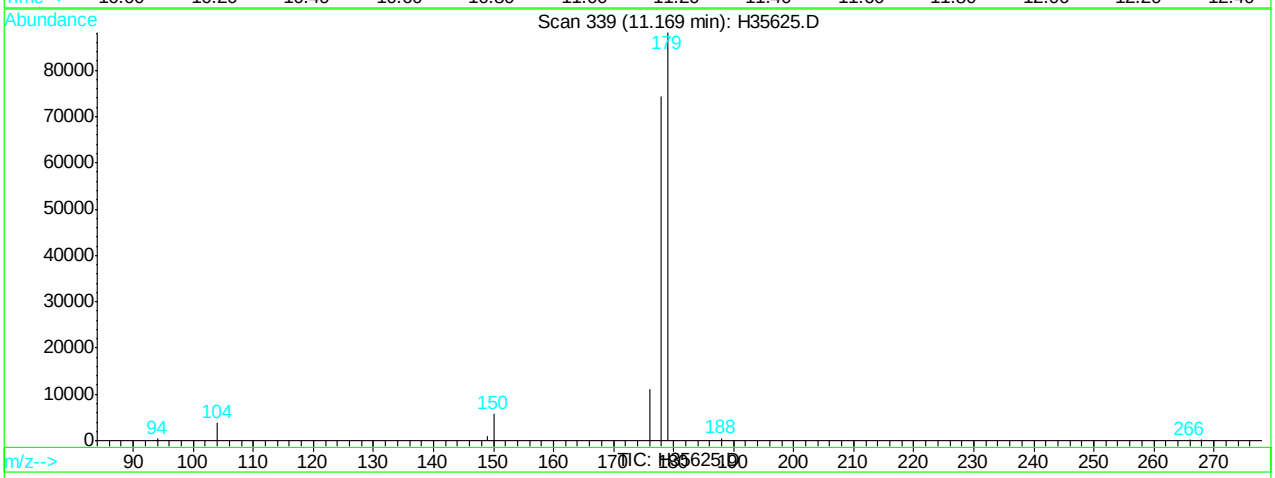
H35625.D H10269SP.M Mon Oct 26 21:12:22 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35625.D Vial: 17
Acq On : 26 Oct 2009 8:34 pm Operator: sheilac
Sample : t39513-5,4x Inst : TXMSH
Misc : OP13270,EH1921,1000,,,1,4,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 21:08 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 20:51:21 2009
Response via : Multiple Level Calibration





(19) Anthracene (T)

11.17min 4.12ppb m

response 174513

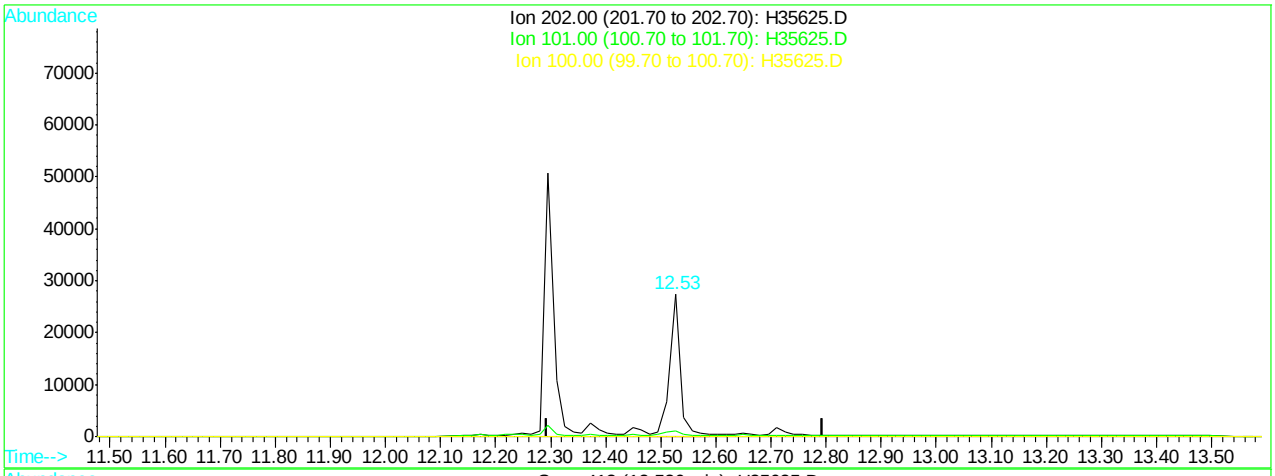
Ion	Exp%	Act%
178.00	100	100
179.00	16.30	118.73#
176.00	18.20	14.94
0.00	0.00	0.00

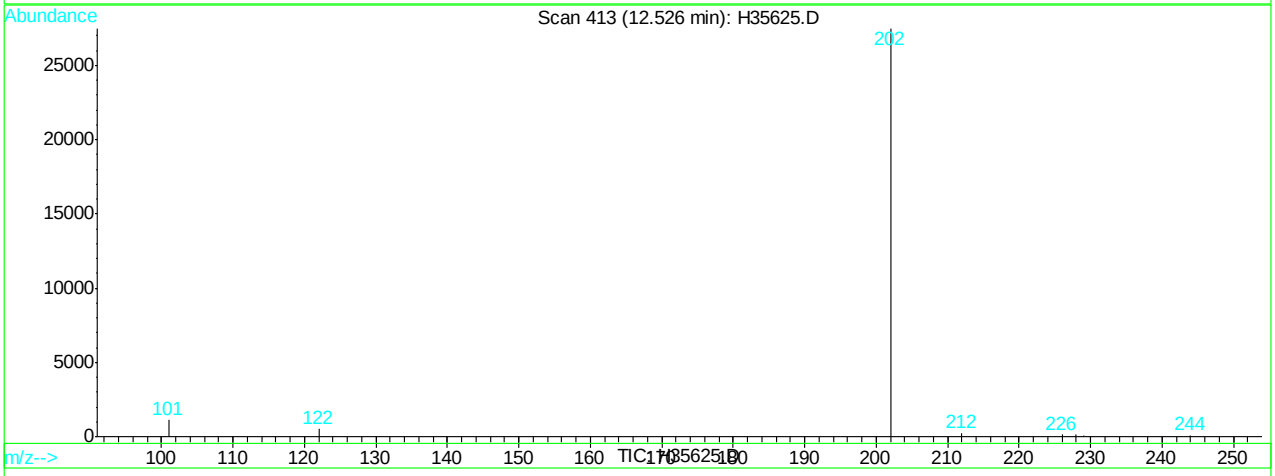
H35625.D H10269SP.M Mon Oct 26 21:12:25 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35625.D Vial: 17
Acq On : 26 Oct 2009 8:34 pm Operator: sheilac
Sample : t39513-5,4x Inst : TXMSH
Misc : OP13270,EH1921,1000,,,1,4,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 21:08 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 20:51:21 2009
Response via : Multiple Level Calibration





(22) Pyrene (T)

12.53min 1.64ppb m

response 37760

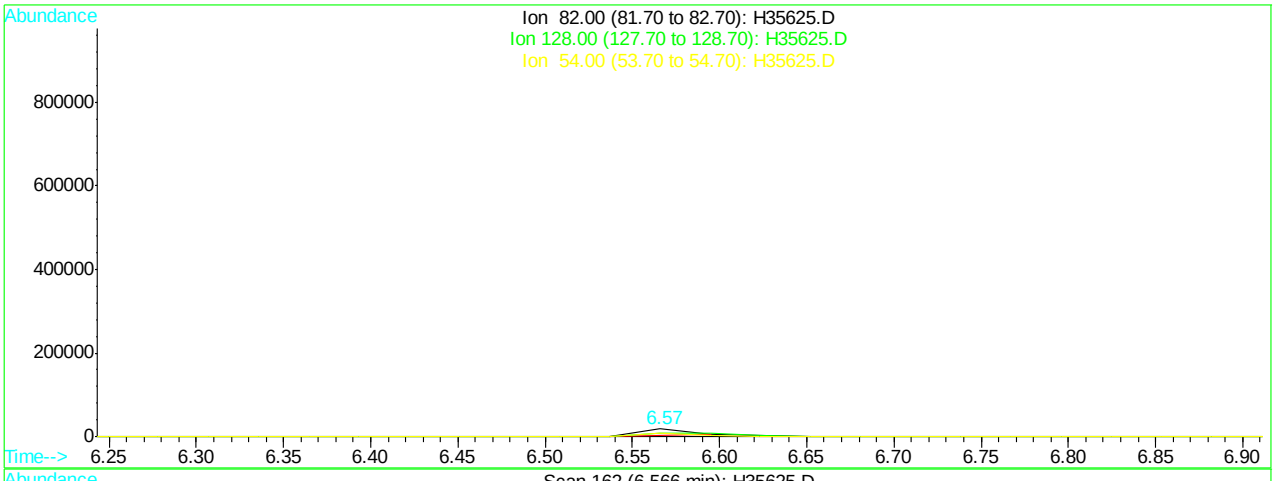
Ion	Exp%	Act%
202.00	100	100
101.00	6.90	4.03#
100.00	0.00	0.00
0.00	0.00	0.00

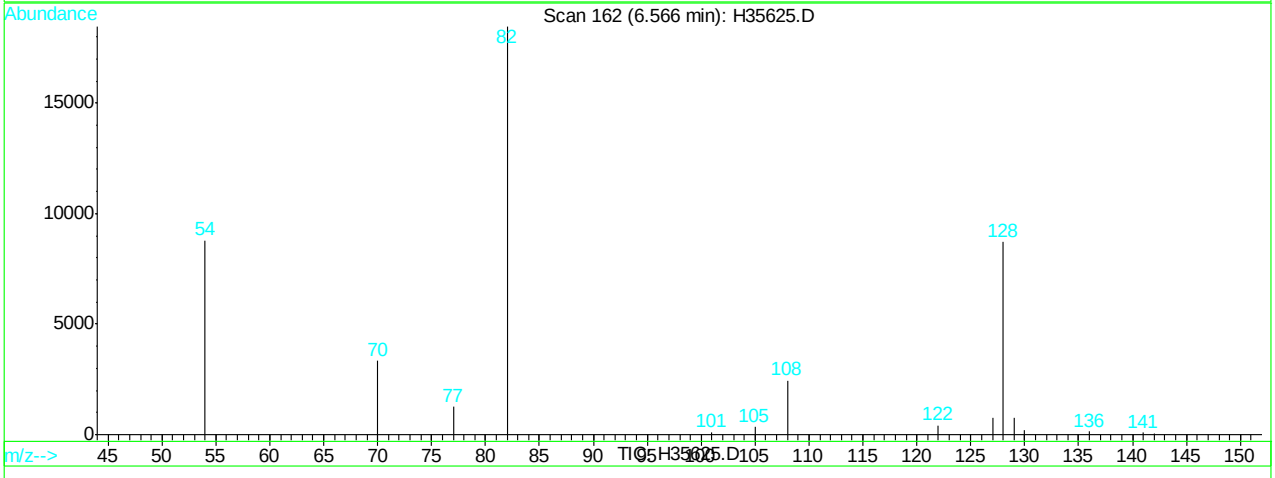
H35625.D H10269SP.M Mon Oct 26 21:12:28 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35625.D Vial: 17
Acq On : 26 Oct 2009 8:34 pm Operator: sheilac
Sample : t39513-5,4x Inst : TXMSH
Misc : OP13270,EH1921,1000,,,1,4,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 21:20 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 20:51:21 2009
Response via : Multiple Level Calibration





(5) Nitrobenzene-d5 (S)

6.57min 14.36ppb m

response 32620

Ion	Exp%	Act%
82.00	100	100
128.00	91.60	47.13#
54.00	43.10	47.56
0.00	0.00	0.00

H35625.D H10269SP.M Mon Oct 26 21:21:55 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/27/09 17:13

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1920\H35601.D Vial: 23
Acq On : 23 Oct 2009 9:13 pm Operator: sheilac
Sample : t39513-6 Inst : TXMSH
Misc : OP13270,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 15:00 2009 Quant Results File: H10239SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 13:47:18 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.63	152	102972	4.00	ppb	0.00
4) Naphthalene-d8	7.54	136	90701	4.00	ppb	-0.06
9) Acenaphthene-d10	9.57	164	77689	4.00	ppb	0.00
15) Phenanthrene-d10	11.09	188	93763	4.00	ppb	0.00
21) Chrysene-d12	13.92	240	11572	4.00	ppb	0.02
26) Perylene-d12	16.42	264	3829	4.00	ppb	0.03

System Monitoring Compounds

5) Nitrobenzene-d5	6.57	82	107875	29.72	ppb	-0.03
Spiked Amount 5.000	Range 17 - 131		Recovery = 594.40%#			
10) 2-Fluorobiphenyl	8.87	172	1479885	34.48	ppb	0.00
Spiked Amount 5.000	Range 15 - 137		Recovery = 689.60%#			
16) 2,4,6-Tribromophenol	10.40	330	375173	138.74	ppb	0.00
Spiked Amount 10.000	Range 10 - 123		Recovery = 1387.40%#			
23) Terphenyl-d14	12.66	244	230738	52.72	ppb	0.00
Spiked Amount 5.000	Range 10 - 160		Recovery = 1054.40%#			

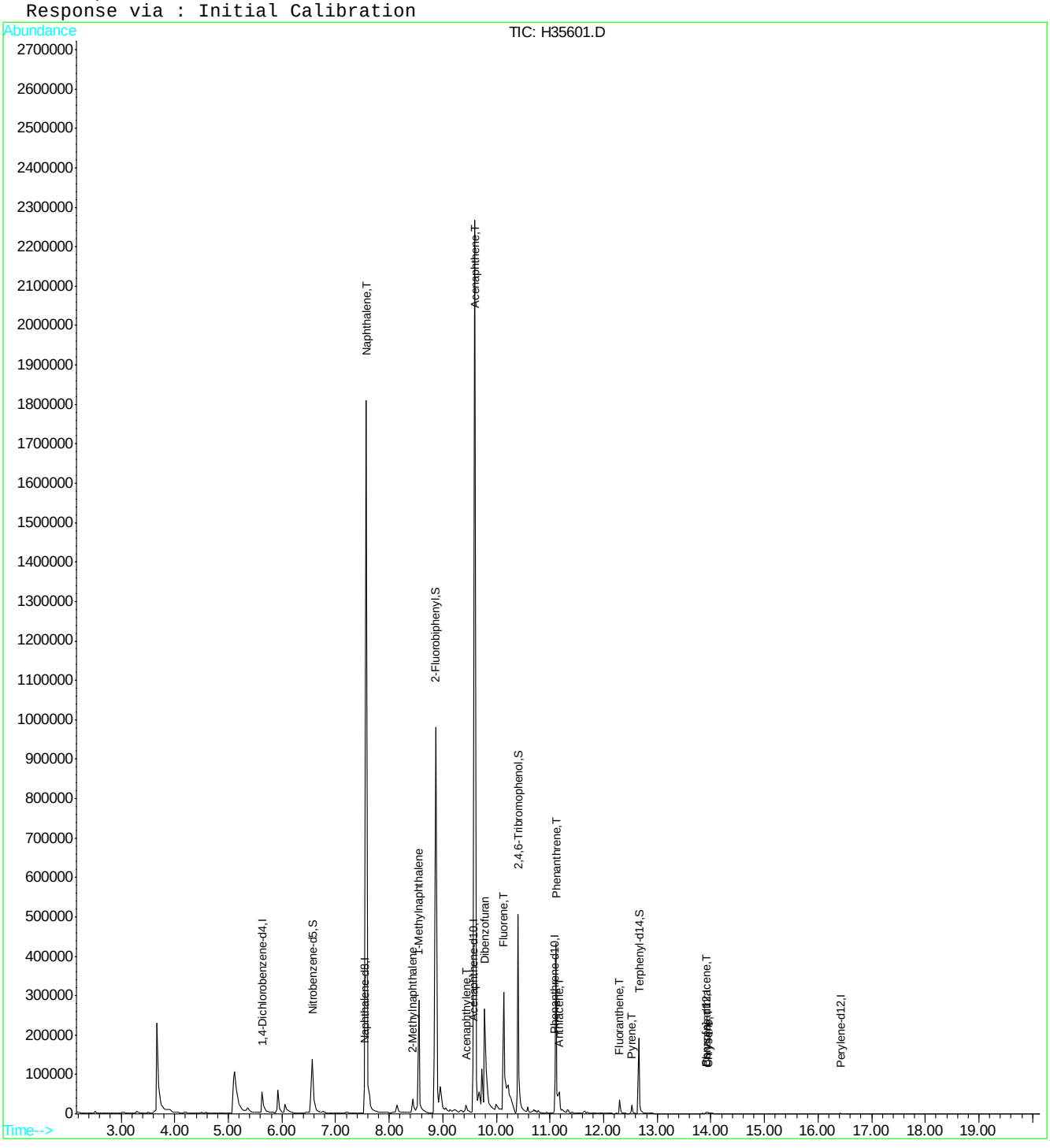
Target Compounds							Qvalue
6) Naphthalene	7.57	128	2368018	78.00	ppb		92
7) 2-Methylnaphthalene	8.44	142	47967m	1.97	ppb		
8) 1-Methylnaphthalene	8.55	142	374487	11.10	ppb	#	89
11) Acenaphthylene	9.43	152	12772	0.33	ppb	#	52
12) Acenaphthene	9.60	153	1476747	34.07	ppb	#	73
13) Dibenzofuran	9.78	168	476377	11.83	ppb	#	81
14) Fluorene	10.13	166	255363	12.42	ppb	#	28
18) Phenanthrene	11.11	178	421608m	10.30	ppb		
19) Anthracene	11.17	178	47355m	1.00	ppb		
20) Fluoranthene	12.29	202	52921	2.54	ppb		95
22) Pyrene	12.53	202	33684	1.77	ppb		99
24) Benzo[a]anthracene	13.92	228	548m	0.21	ppb		
25) Chrysene	13.95	228	561m	0.11	ppb		

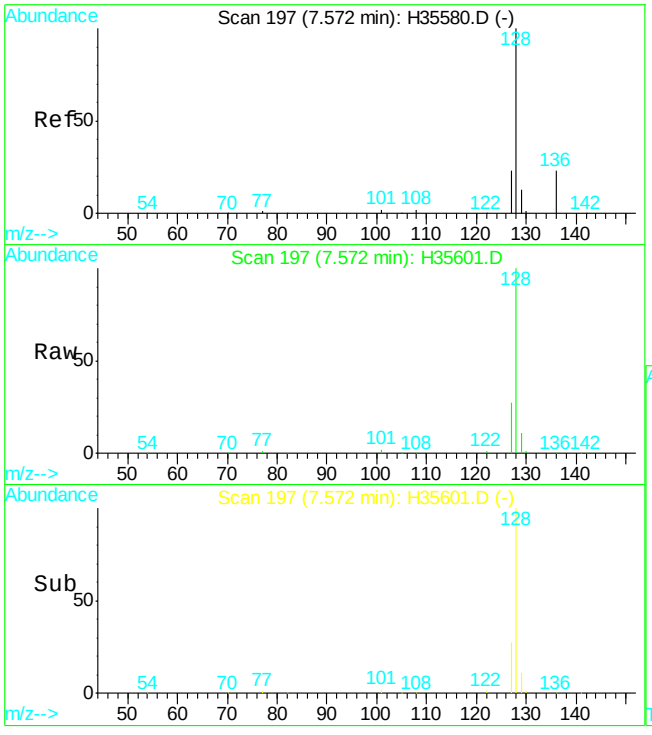
(#) = qualifier out of range (m) = manual integration
H35601.D H10239SP.M Mon Oct 26 15:01:52 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1920\H35601.D Vial: 23
Acq On : 23 Oct 2009 9:13 pm Operator: sheilac
Sample : t39513-6 Inst : TXMSH
Misc : OP13270,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 15:00 2009 Quant Results File: H10239SP.RES

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 13:47:18 2009
Response via : Initial Calibration

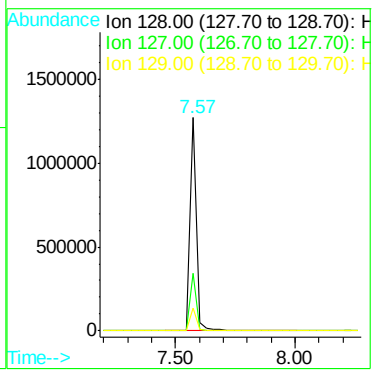


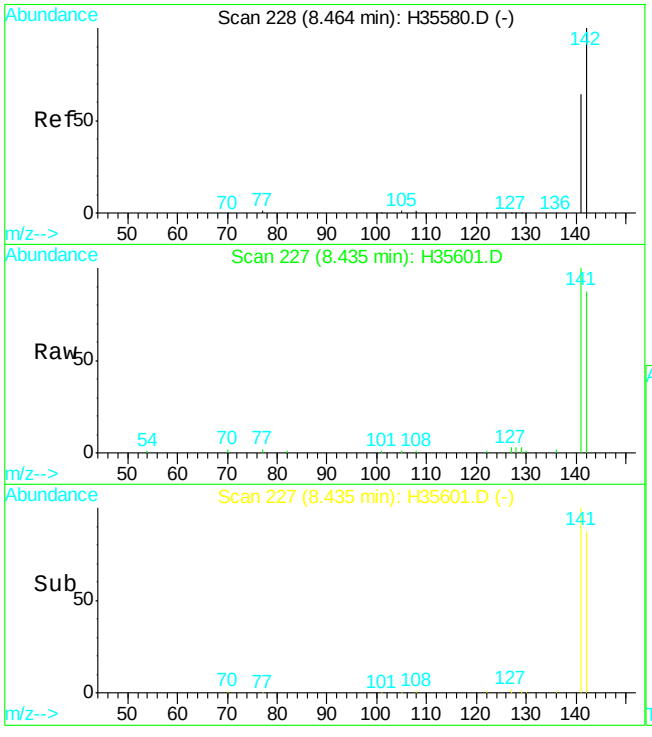


#6
Naphthalene
Concen: 78.00 ppb
RT: 7.57 min Scan# 197
Delta R.T. -0.06 min
Lab File: H35601.D
Acq: 23 Oct 2009 9:13 pm

Tgt Ion:128 Resp: 2368018

Ion	Ratio	Lower	Upper
128	100		
127	27.1	15.3	28.5
129	10.7	8.5	15.9

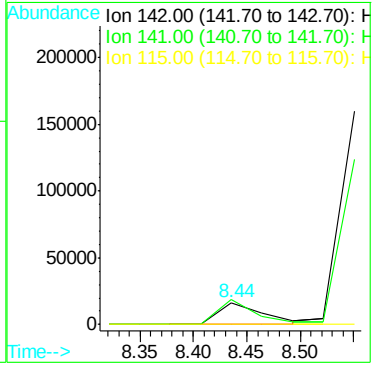




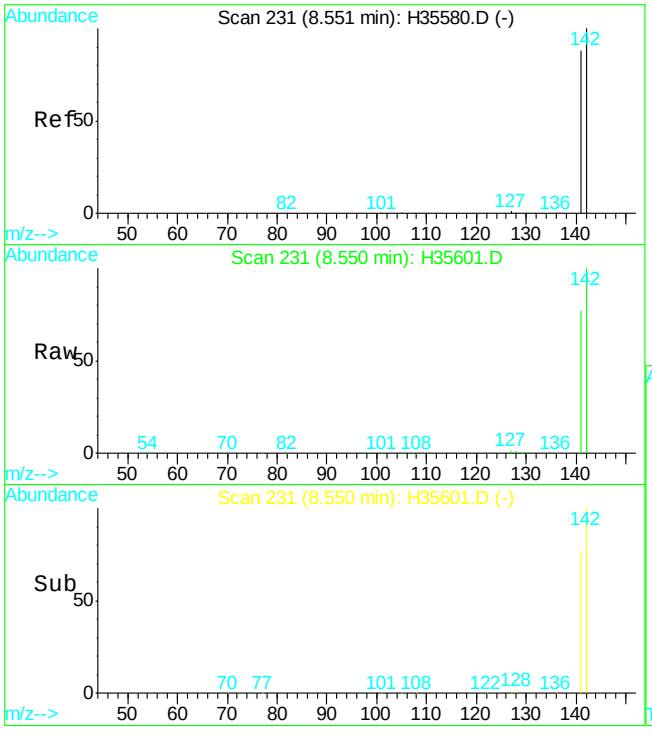
#7
2-Methylnaphthalene
Concen: 1.97 ppb m
RT: 8.44 min Scan# 227
Delta R.T. -0.09 min
Lab File: H35601.D
Acq: 23 Oct 2009 9:13 pm

Tgt Ion:142 Resp: 47967

Ion	Ratio	Lower	Upper
142	100		
141	592.6	104.0	193.1#
115	0.0	0.0	0.0



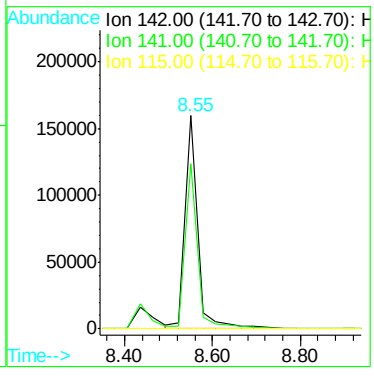
8.1.27
8

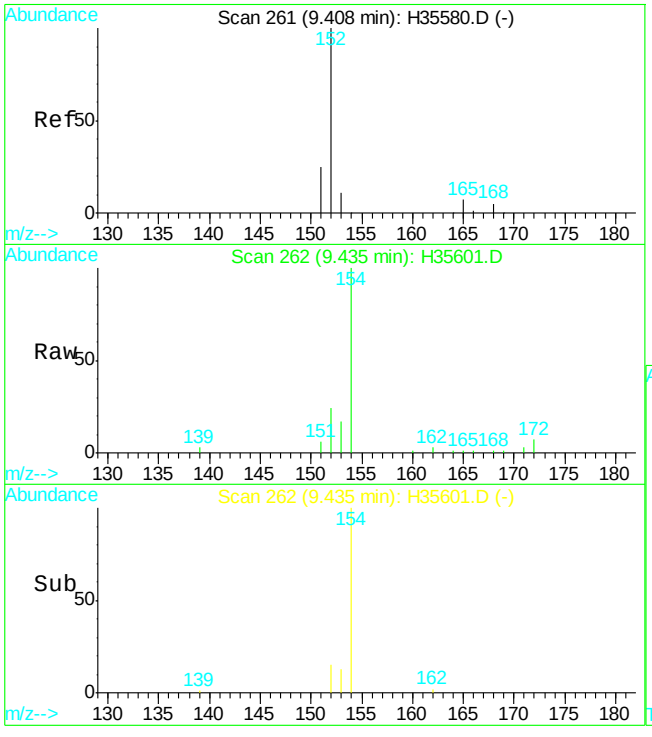


#8
1-Methylnaphthalene
Concen: 11.10 ppb
RT: 8.55 min Scan# 231
Delta R.T. -0.07 min
Lab File: H35601.D
Acq: 23 Oct 2009 9:13 pm

Tgt Ion:142 Resp: 374487

Ion	Ratio	Lower	Upper
142	100		
141	75.9	60.5	112.5
115	0.0	0.0	0.0

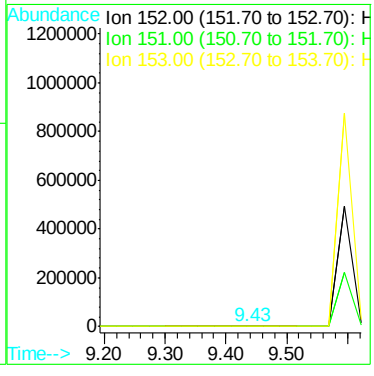


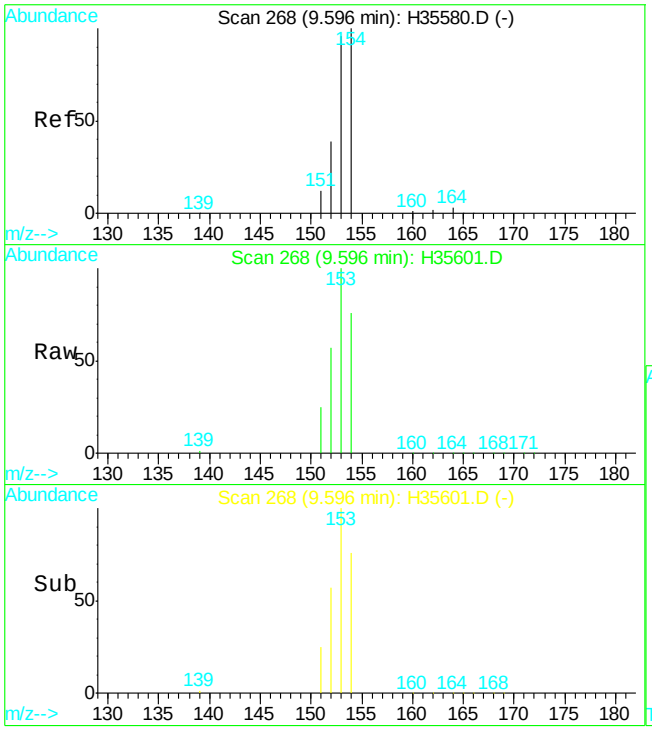


#11
Acenaphthylene
Concen: 0.33 ppb
RT: 9.43 min Scan# 262
Delta R.T. 0.03 min
Lab File: H35601.D
Acq: 23 Oct 2009 9:13 pm

Tgt Ion:152 Resp: 12772

Ion	Ratio	Lower	Upper
152	100		
151	22.1	17.8	33.0
153	66.2	7.4	13.8#

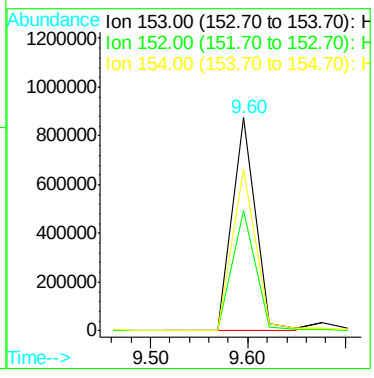


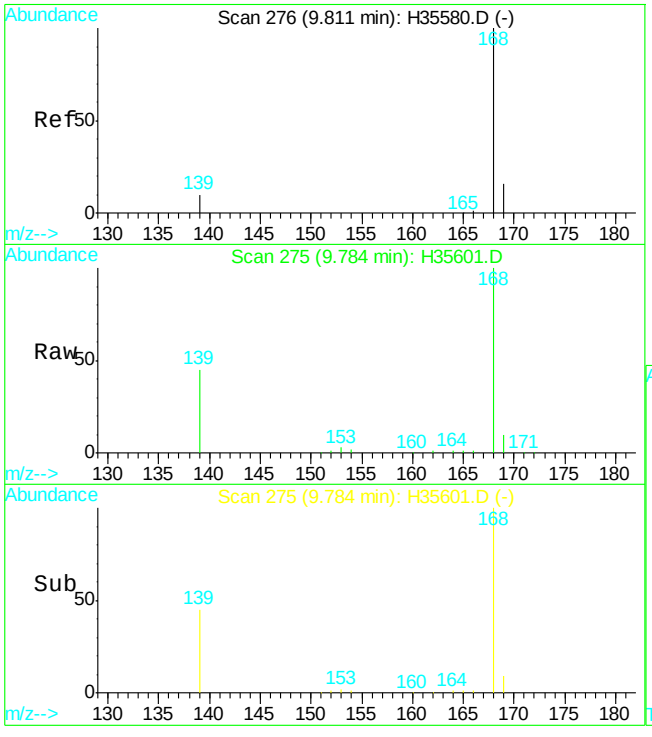


#12
Acenaphthene
Concen: 34.07 ppb
RT: 9.60 min Scan# 268
Delta R.T. -0.00 min
Lab File: H35601.D
Acq: 23 Oct 2009 9:13 pm

Tgt Ion:153 Resp: 1476747

Ion	Ratio	Lower	Upper
153	100		
152	56.7	28.7	53.3#
154	75.5	72.9	135.5

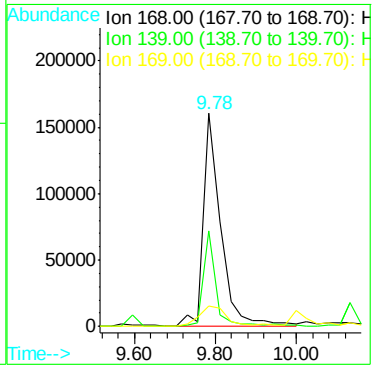


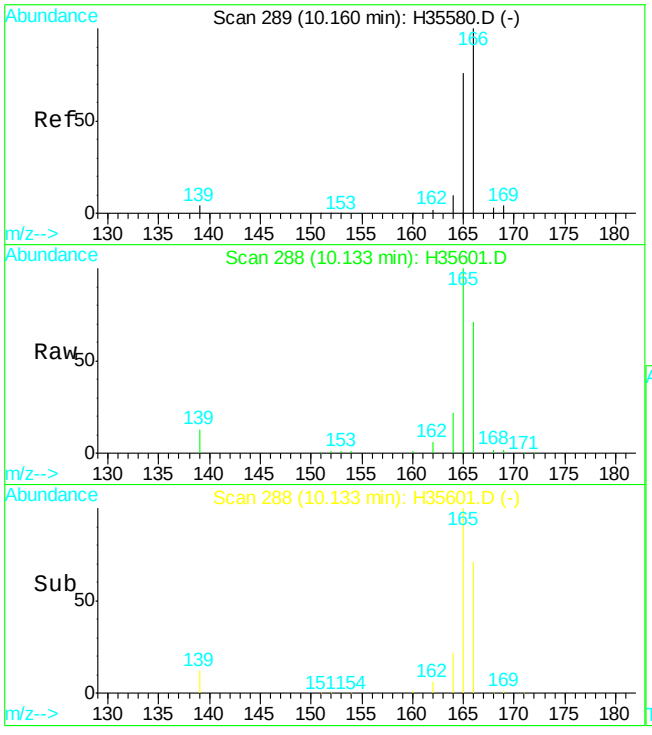


#13
Dibenzofuran
Concen: 11.83 ppb
RT: 9.78 min Scan# 275
Delta R.T. -0.03 min
Lab File: H35601.D
Acq: 23 Oct 2009 9:13 pm

Tgt Ion:168 Resp: 476377

Ion	Ratio	Lower	Upper
168	100		
139	32.0	33.7	62.5#
169	15.8	9.8	18.2

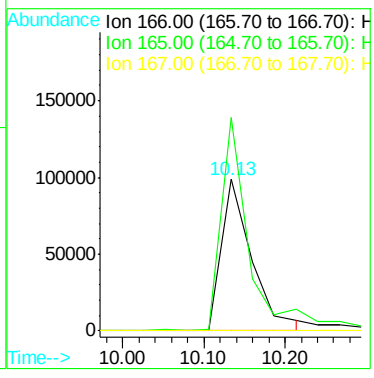


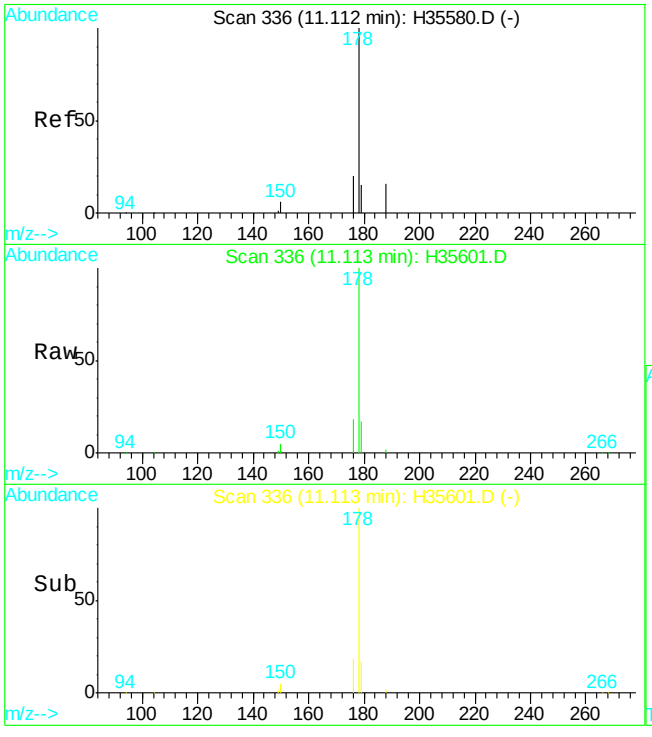


#14
Fluorene
Concen: 12.42 ppb
RT: 10.13 min Scan# 288
Delta R.T. -0.03 min
Lab File: H35601.D
Acq: 23 Oct 2009 9:13 pm

Tgt Ion:166 Resp: 255363

Ion	Ratio	Lower	Upper
166	100		
165	137.9	53.1	98.7#
167	0.0	0.0	0.0

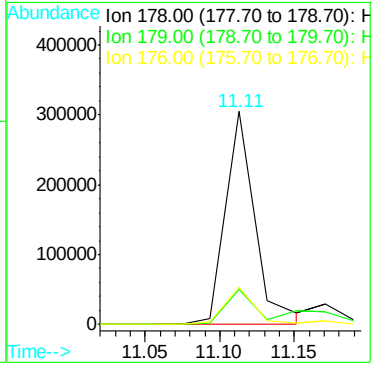


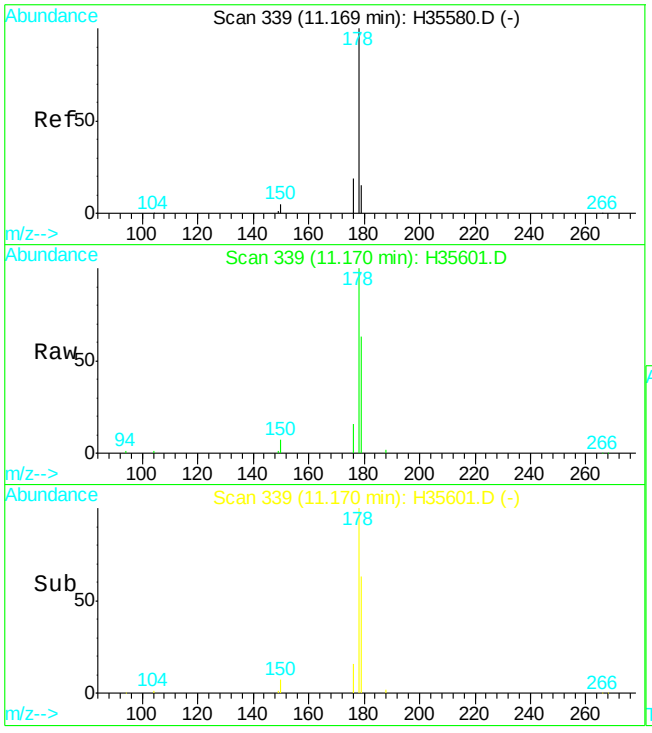


#18
Phenanthrene
Concen: 10.30 ppb m
RT: 11.11 min Scan# 336
Delta R.T. 0.00 min
Lab File: H35601.D
Acq: 23 Oct 2009 9:13 pm

Tgt Ion:178 Resp: 421608

Ion	Ratio	Lower	Upper
178	100		
179	16.6	10.6	19.6
176	17.7	13.7	25.5

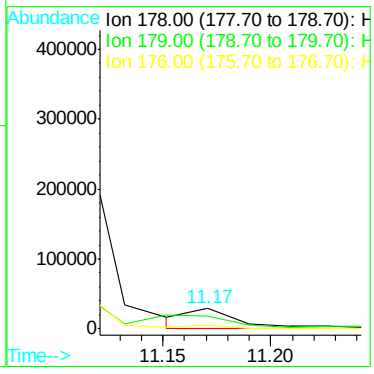


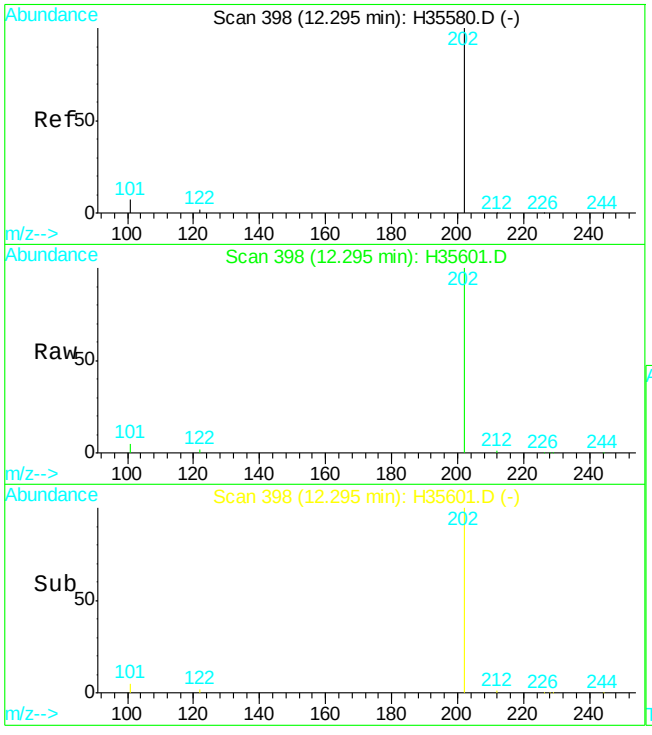


#19
Anthracene
Concen: 1.00 ppb m
RT: 11.17 min Scan# 339
Delta R.T. 0.00 min
Lab File: H35601.D
Acq: 23 Oct 2009 9:13 pm

Tgt Ion:178 Resp: 47355

Ion	Ratio	Lower	Upper
178	100		
179	62.9	10.6	19.6#
176	16.3	13.3	24.7

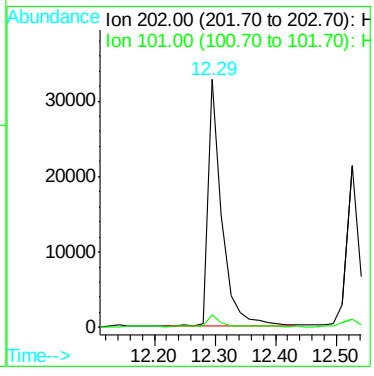


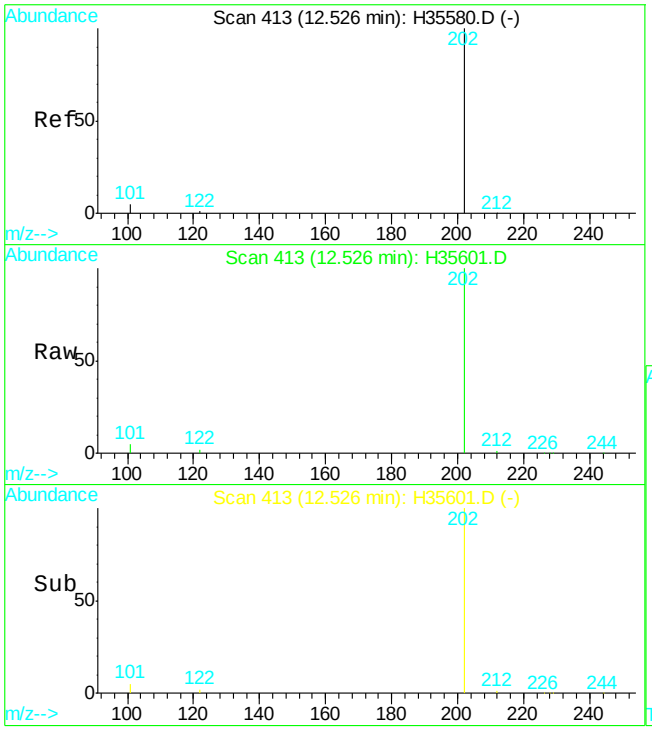


#20
Fluoranthene
Concen: 2.54 ppb
RT: 12.29 min Scan# 398
Delta R.T. 0.00 min
Lab File: H35601.D
Acq: 23 Oct 2009 9:13 pm

Tgt Ion:202 Resp: 52921

Ion	Ratio	Lower	Upper
202	100		
101	5.0	4.6	8.6

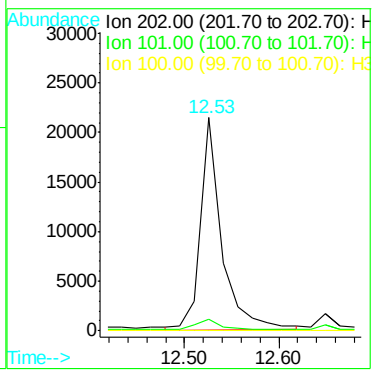


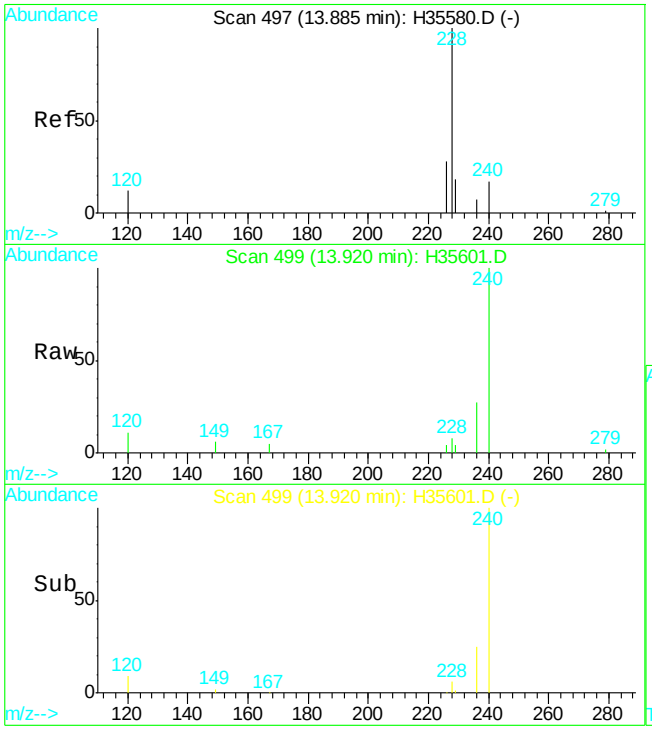


#22
Pyrene
Concen: 1.77 ppb
RT: 12.53 min Scan# 413
Delta R.T. -0.00 min
Lab File: H35601.D
Acq: 23 Oct 2009 9:13 pm

Tgt Ion:202 Resp: 33684

Ion	Ratio	Lower	Upper
202	100		
101	4.8	3.5	6.5
100	0.0	0.0	0.0

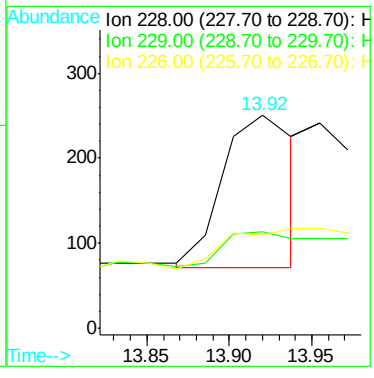




#24
Benzo[a]anthracene
Concen: 0.21 ppb m
RT: 13.92 min Scan# 499
Delta R.T. 0.03 min
Lab File: H35601.D
Acq: 23 Oct 2009 9:13 pm

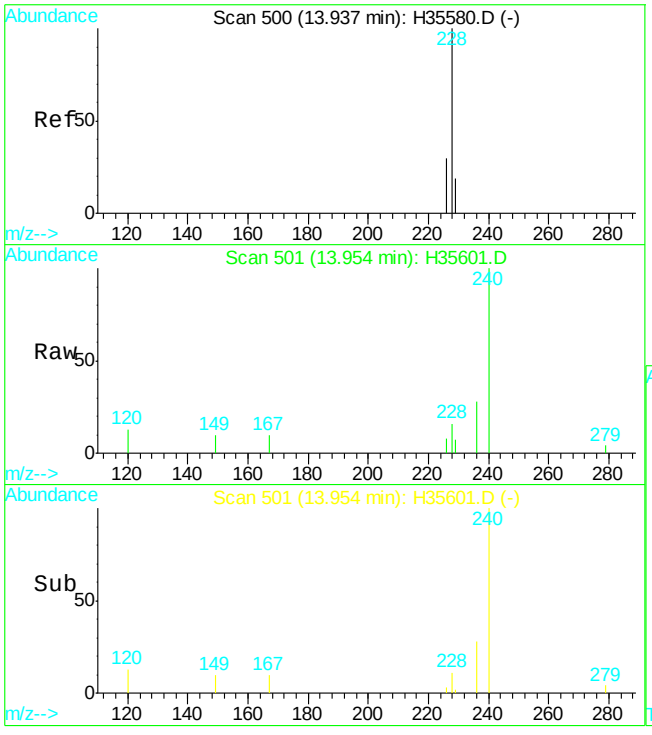
Tgt Ion:228 Resp: 548

Ion	Ratio	Lower	Upper
228	100		
229	45.4	14.4	26.7#
226	43.4	21.3	39.6#



8.1.27

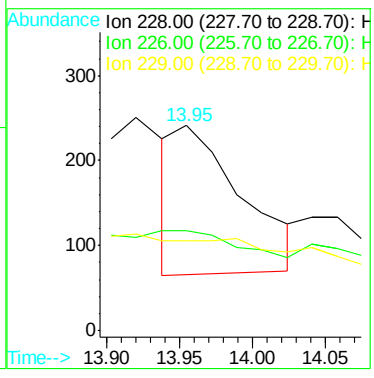
8



#25
Chrysene
Concen: 0.11 ppb m
RT: 13.95 min Scan# 501
Delta R.T. 0.02 min
Lab File: H35601.D
Acq: 23 Oct 2009 9:13 pm

Tgt Ion:228 Resp: 561

Ion	Ratio	Lower	Upper
228	100		
226	48.5	21.8	40.4#
229	44.0	14.8	27.6#



8.1.27

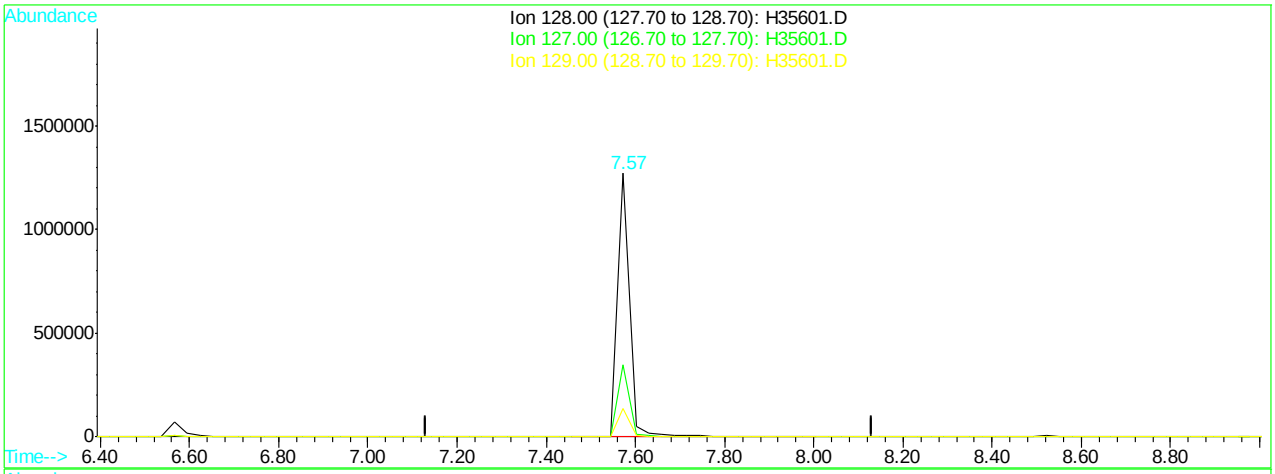
8

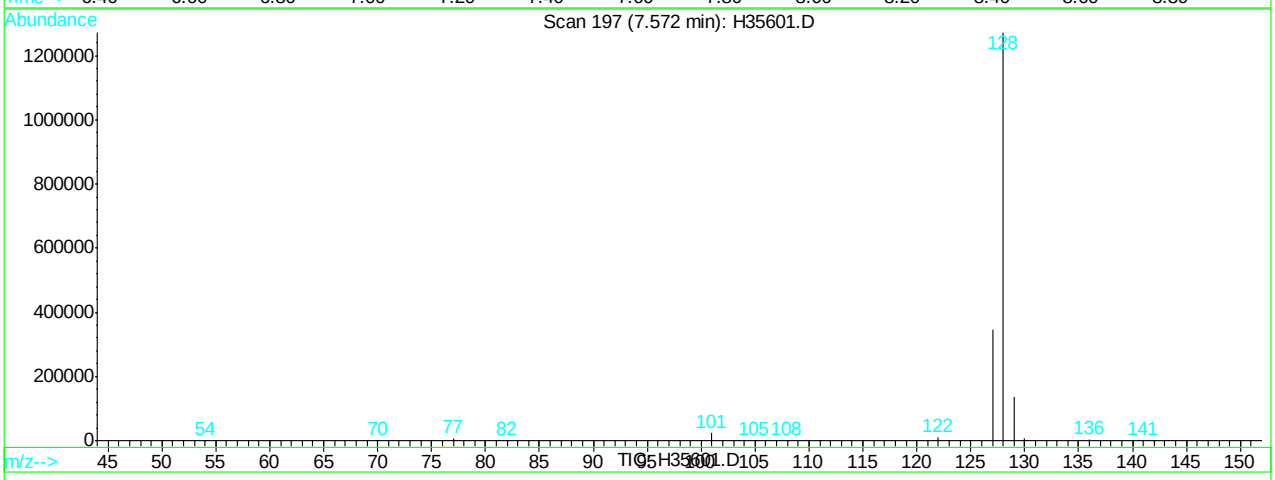
ACCUTEST Laboratories T39513

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35601.D Vial: 23
Acq On : 23 Oct 2009 9:13 pm Operator: sheilac
Sample : t39513-6 Inst : TXMSH
Misc : OP13270,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 15:00 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 13:47:18 2009
Response via : Multiple Level Calibration





(6) Naphthalene (T)

7.57min 78.00ppb

response 2368018

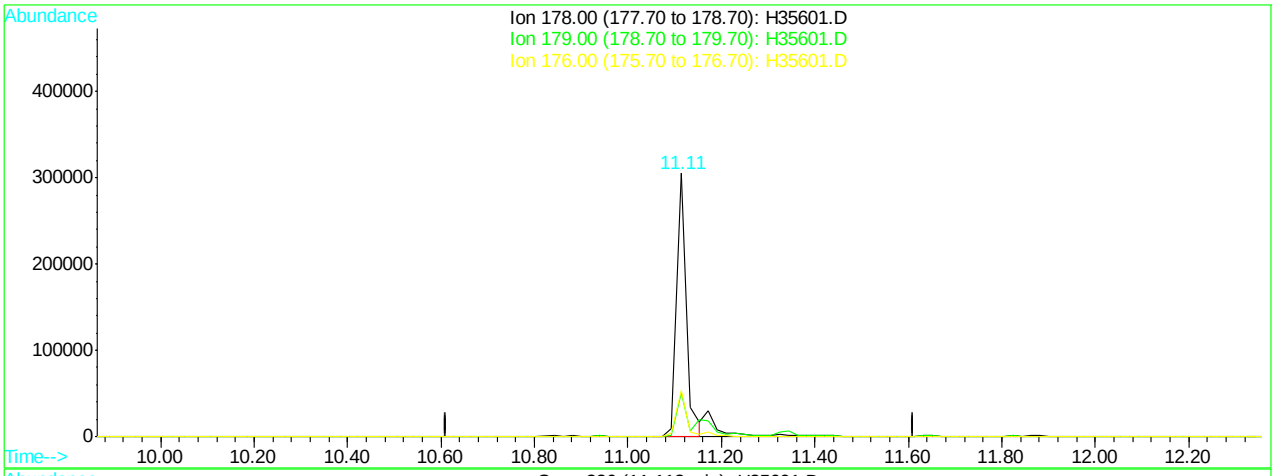
Ion	Exp%	Act%
128.00	100	100
127.00	21.90	27.14
129.00	12.20	10.70
0.00	0.00	0.00

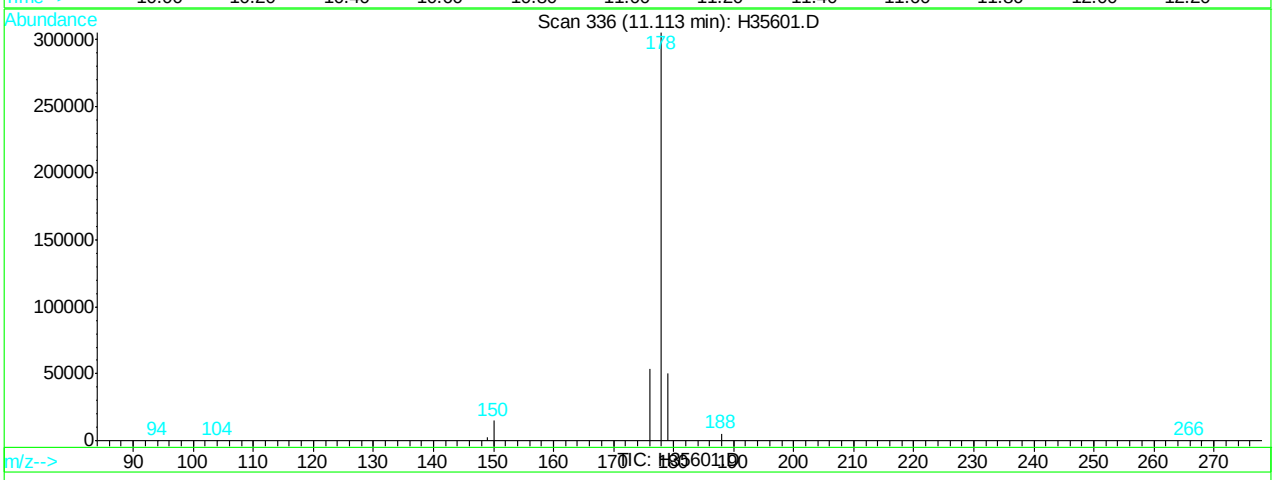
H35601.D H10239SP.M Mon Oct 26 15:02:09 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35601.D Vial: 23
Acq On : 23 Oct 2009 9:13 pm Operator: sheilac
Sample : t39513-6 Inst : TXMSH
Misc : OP13270,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 15:00 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 13:47:18 2009
Response via : Multiple Level Calibration





(18) Phenanthrene (T)

11.11min 10.30ppb m

response 421608

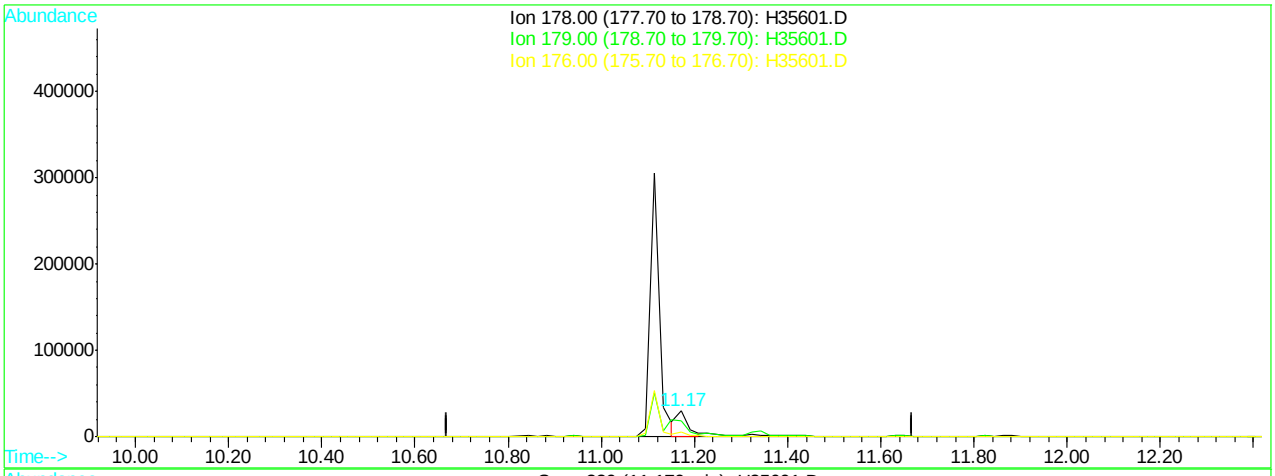
Ion	Exp%	Act%
178.00	100	100
179.00	15.10	16.55
176.00	19.60	17.67
0.00	0.00	0.00

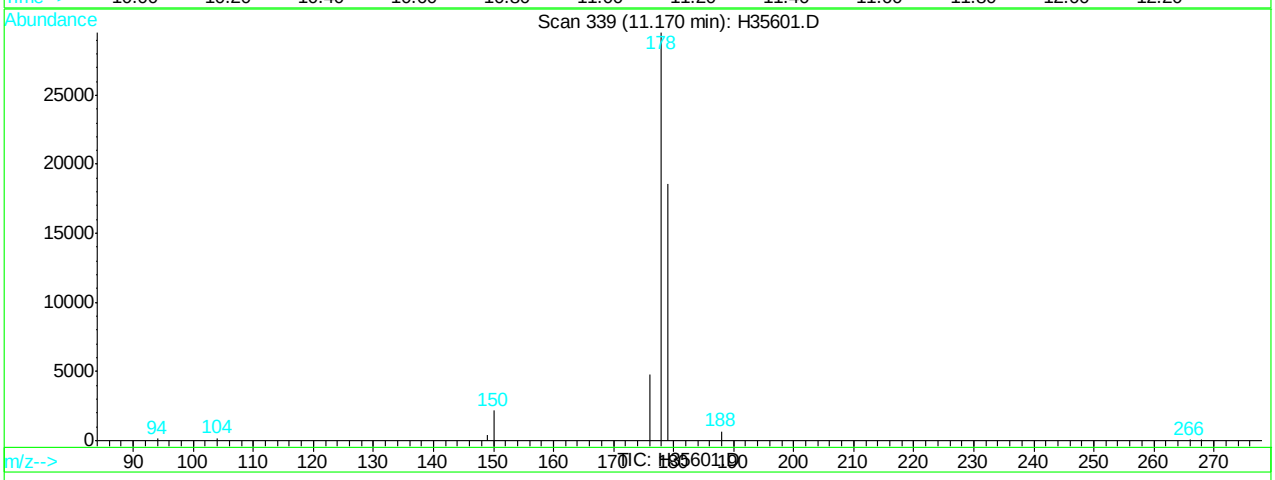
H35601.D H10239SP.M Mon Oct 26 15:02:16 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35601.D Vial: 23
Acq On : 23 Oct 2009 9:13 pm Operator: sheilac
Sample : t39513-6 Inst : TXMSH
Misc : OP13270,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 15:00 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 13:47:18 2009
Response via : Multiple Level Calibration





(19) Anthracene (T)

11.17min 1.00ppb m

response 47355

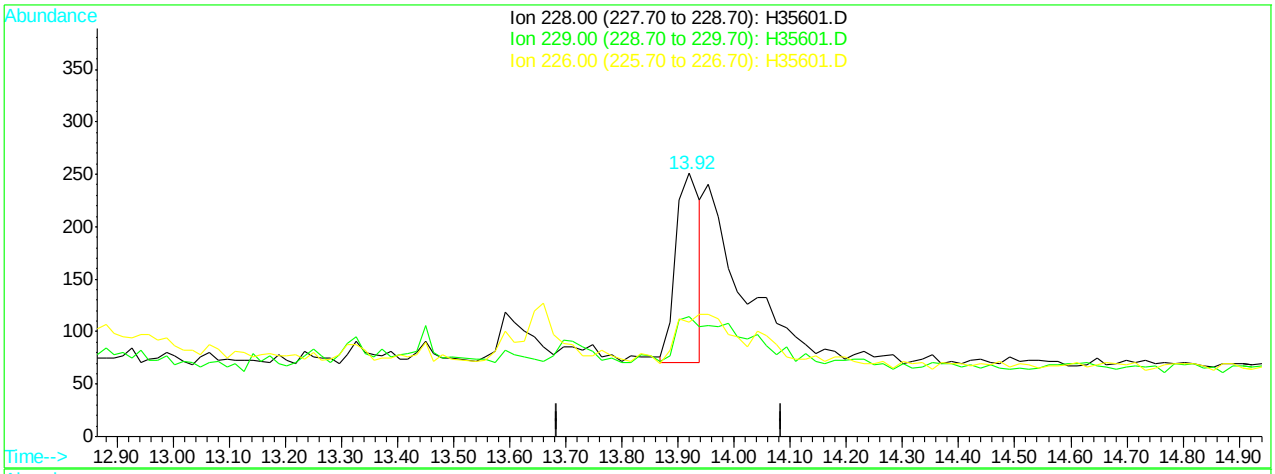
Ion	Exp%	Act%
178.00	100	100
179.00	15.10	62.91#
176.00	19.00	16.26
0.00	0.00	0.00

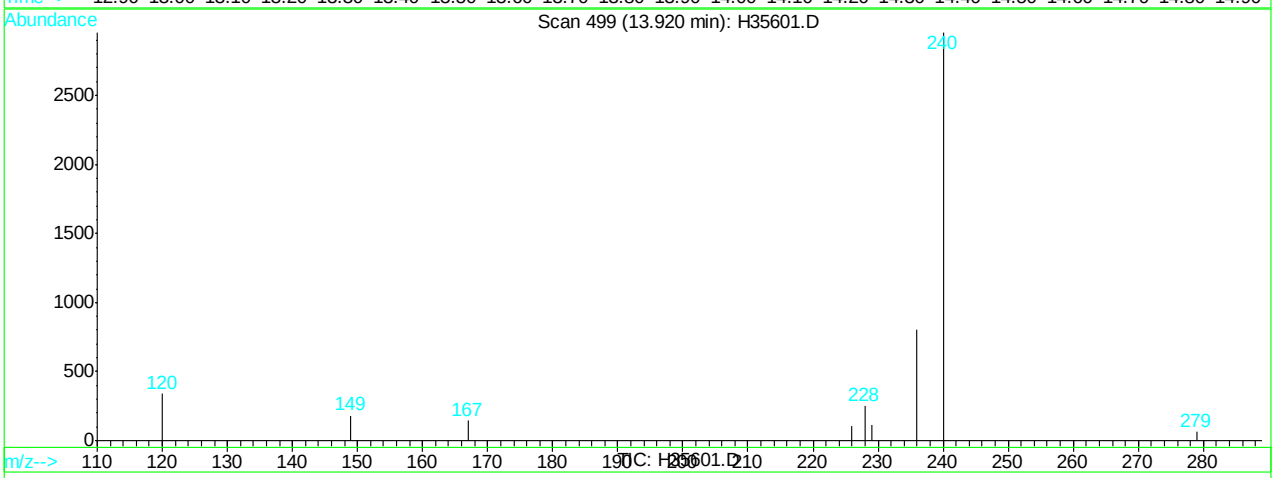
H35601.D H10239SP.M Mon Oct 26 15:02:20 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35601.D Vial: 23
Acq On : 23 Oct 2009 9:13 pm Operator: sheilac
Sample : t39513-6 Inst : TXMSH
Misc : OP13270,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 15:00 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 13:47:18 2009
Response via : Multiple Level Calibration





(24) Benzo[a]anthracene (T)

13.92min 0.21ppb m

response 548

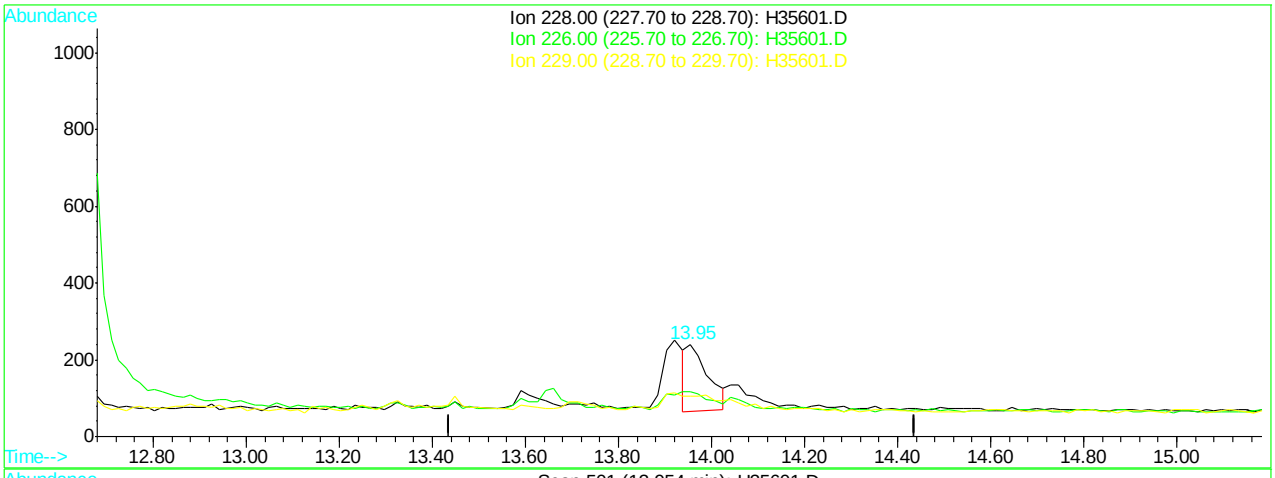
Ion	Exp%	Act%
228.00	100	100
229.00	20.50	45.42#
226.00	30.50	43.43#
0.00	0.00	0.00

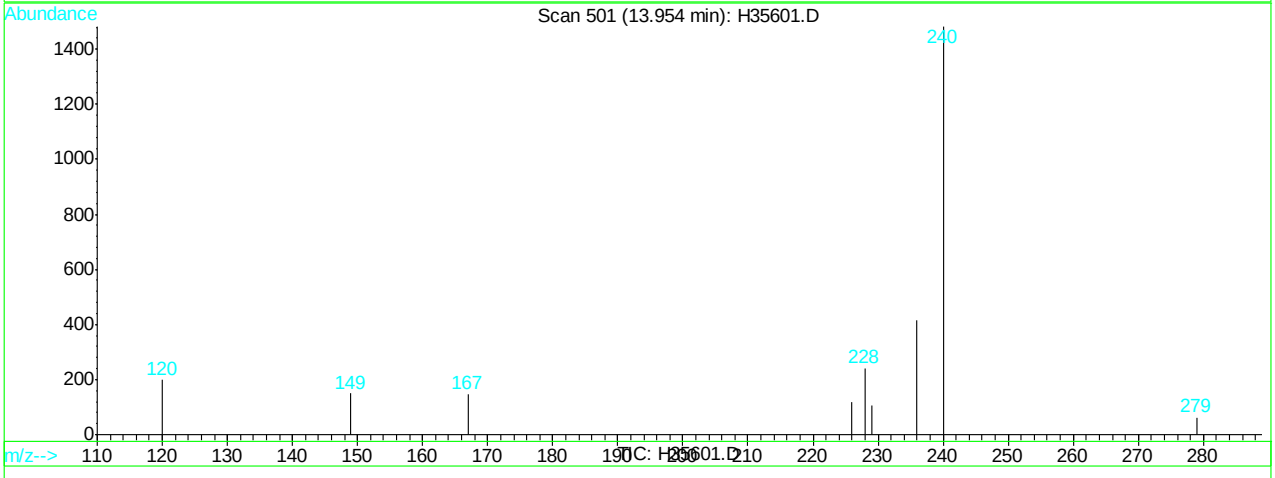
H35601.D H10239SP.M Mon Oct 26 15:02:24 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35601.D Vial: 23
Acq On : 23 Oct 2009 9:13 pm Operator: sheilac
Sample : t39513-6 Inst : TXMSH
Misc : OP13270,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 15:00 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 13:47:18 2009
Response via : Multiple Level Calibration





(25) Chrysene (T)

13.95min 0.11ppb m

response 561

Ion	Exp%	Act%
228.00	100	100
226.00	31.10	48.55#
229.00	21.20	43.98#
0.00	0.00	0.00

H35601.D H10239SP.M Mon Oct 26 15:02:28 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/27/09 17:17

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1921\H35622.D Vial: 14
Acq On : 26 Oct 2009 6:35 pm Operator: sheilac
Sample : t39513-7 Inst : TXMSH
Misc : OP13270,EH1921,970,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 18:55 2009 Quant Results File: H10269SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 18:53:22 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.63	152	75269	4.00	ppb	0.00
4) Naphthalene-d8	7.72	136	140861	4.00	ppb	0.00
9) Acenaphthene-d10	9.60	164	49636	4.00	ppb	0.00
15) Phenanthrene-d10	11.11	188	49634	4.00	ppb	0.00
21) Chrysene-d12	13.90	240	6655	4.00	ppb	0.00
26) Perylene-d12	16.38	264	4023	4.00	ppb	-0.02

System Monitoring Compounds

5) Nitrobenzene-d5	6.57	82	214191	45.75	ppb	0.00
Spiked Amount 5.000	Range 17 - 131		Recovery = 915.00%#			
10) 2-Fluorobiphenyl	8.87	172	1878442	52.81	ppb	-0.02
Spiked Amount 5.000	Range 15 - 137		Recovery = 1056.20%#			
16) 2,4,6-Tribromophenol	10.42	330	284205	171.47	ppb	0.00
Spiked Amount 10.000	Range 10 - 123		Recovery = 1714.70%#			
23) Terphenyl-d14	12.66	244	133097	50.61	ppb	0.02
Spiked Amount 5.000	Range 10 - 160		Recovery = 1012.20%#			

Target Compounds

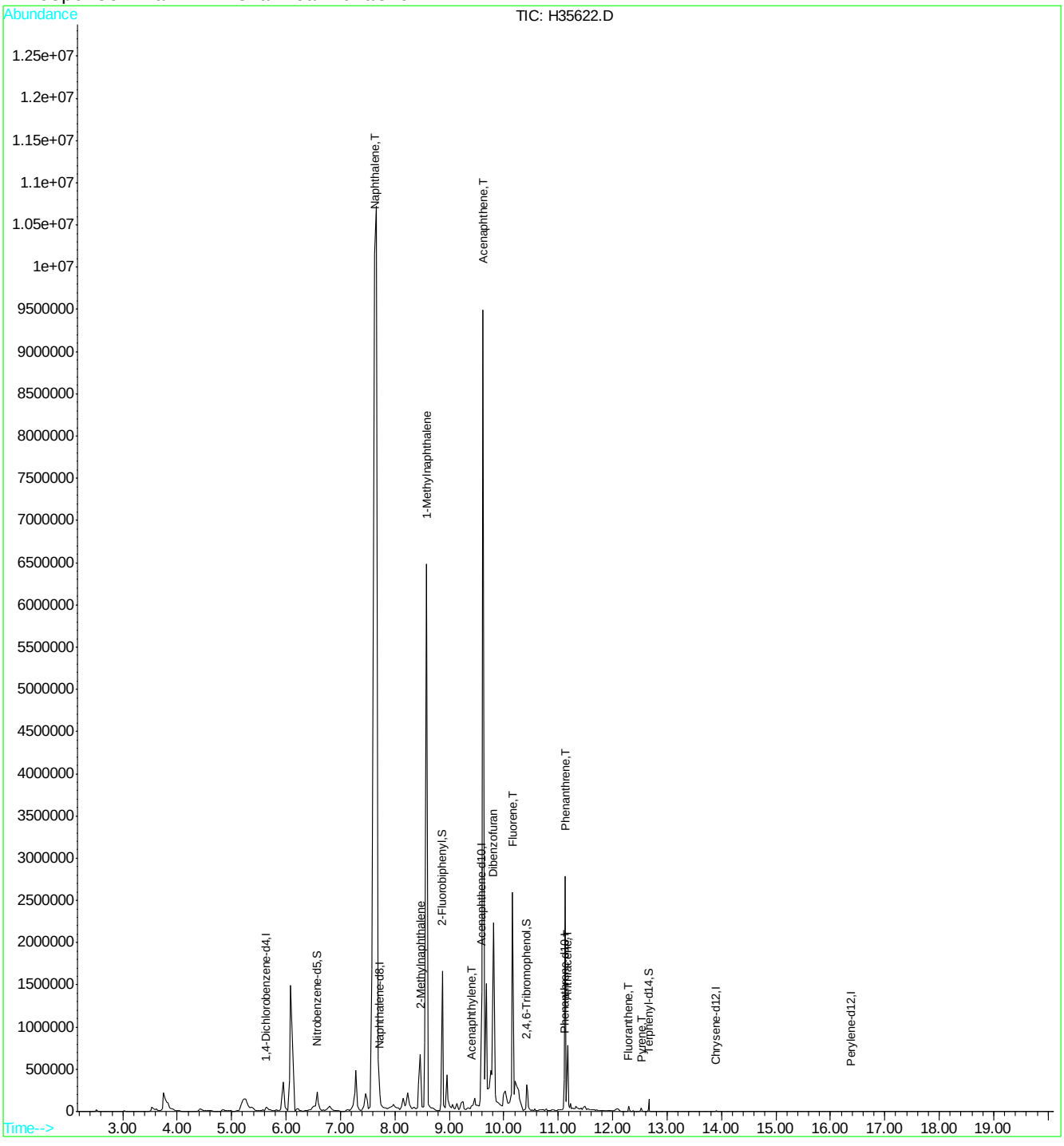
							Qvalue
6) Naphthalene	7.63	128	33792283	642.72	ppb		89
7) 2-Methylnaphthalene	8.46	142	931574	16.62	ppb	#	1
8) 1-Methylnaphthalene	8.58	142	7607235	86.28	ppb	#	71
11) Acenaphthylene	9.41	152	68029	2.20	ppb	#	73
12) Acenaphthene	9.62	153	6830326m	250.97	ppb		
13) Dibenzofuran	9.81	168	3396151	132.83	ppb	#	54
14) Fluorene	10.16	166	2069811	126.10	ppb		81
18) Phenanthrene	11.13	178	2535994m	127.00	ppb		
19) Anthracene	11.17	178	246585m	9.69	ppb		
20) Fluoranthene	12.29	202	70848	6.23	ppb		98
22) Pyrene	12.53	202	40773	3.53	ppb	#	90

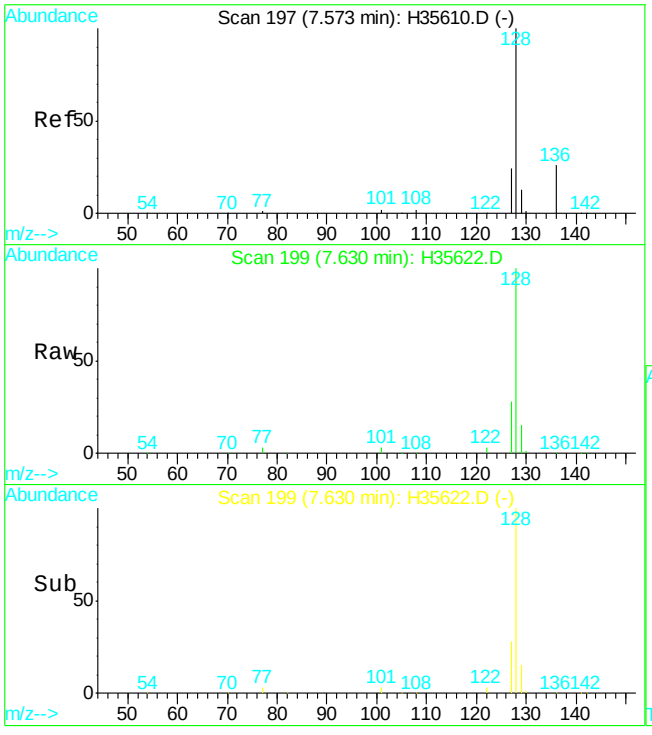
(#) = qualifier out of range (m) = manual integration
H35622.D H10269SP.M Mon Oct 26 18:56:18 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1921\H35622.D Vial: 14
Acq On : 26 Oct 2009 6:35 pm Operator: sheilac
Sample : t39513-7 Inst : TXMSH
Misc : OP13270,EH1921,970,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 18:55 2009 Quant Results File: H10269SP.RES

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 18:53:22 2009
Response via : Initial Calibration

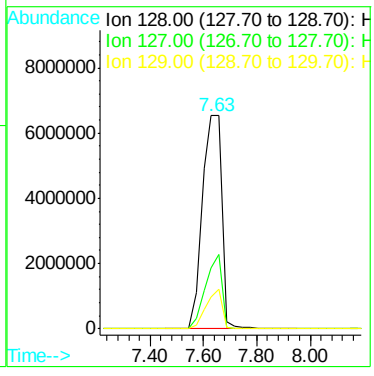


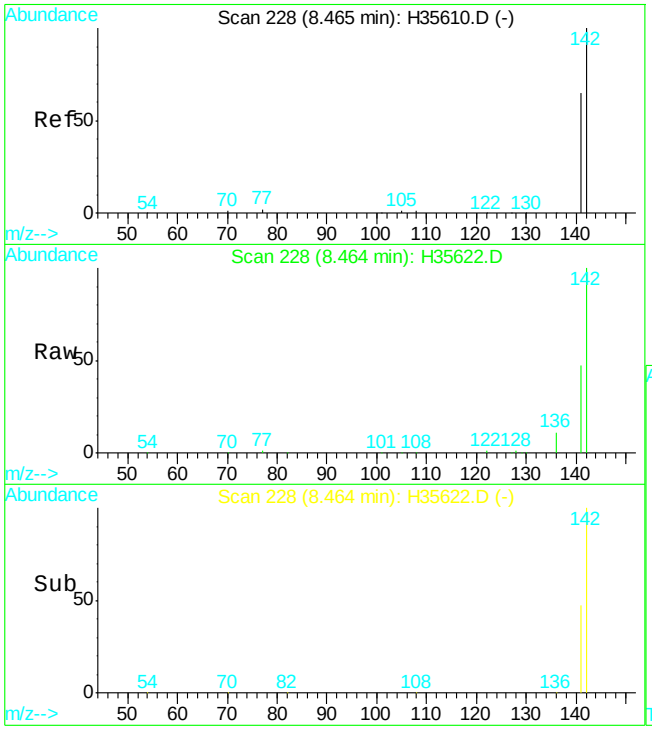


#6
Naphthalene
Concen: 642.72 ppb
RT: 7.63 min Scan# 199
Delta R.T. 0.06 min
Lab File: H35622.D
Acq: 26 Oct 2009 6:35 pm

Tgt Ion:128 Resp:33792283

Ion	Ratio	Lower	Upper
128	100		
127	28.5	15.8	29.4
129	15.2	8.5	15.9

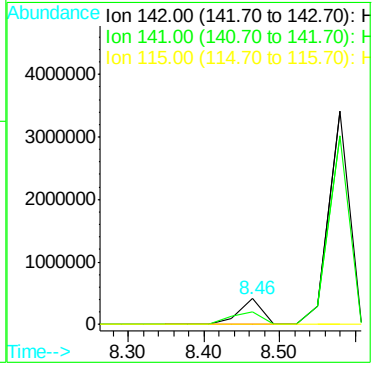


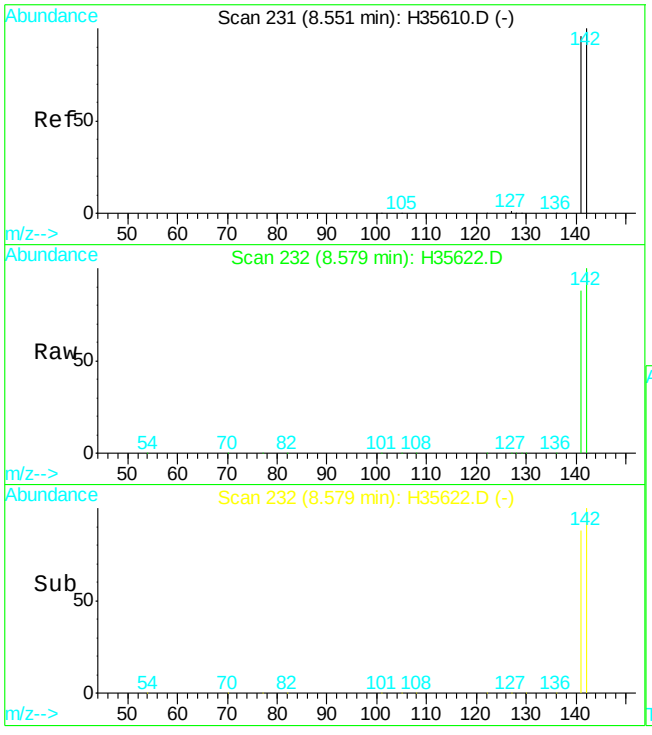


#7
2-Methylnaphthalene
Concen: 16.62 ppb
RT: 8.46 min Scan# 228
Delta R.T. 0.00 min
Lab File: H35622.D
Acq: 26 Oct 2009 6:35 pm

Tgt Ion:142 Resp: 931574

Ion	Ratio	Lower	Upper
142	100		
141	62.9	168.7	313.3#
115	0.0	0.0	0.0

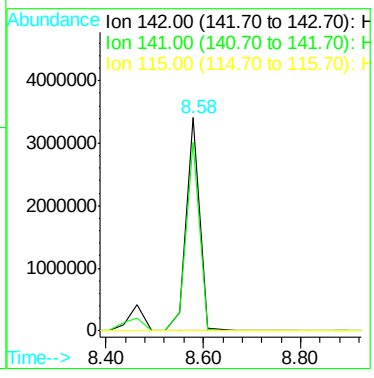


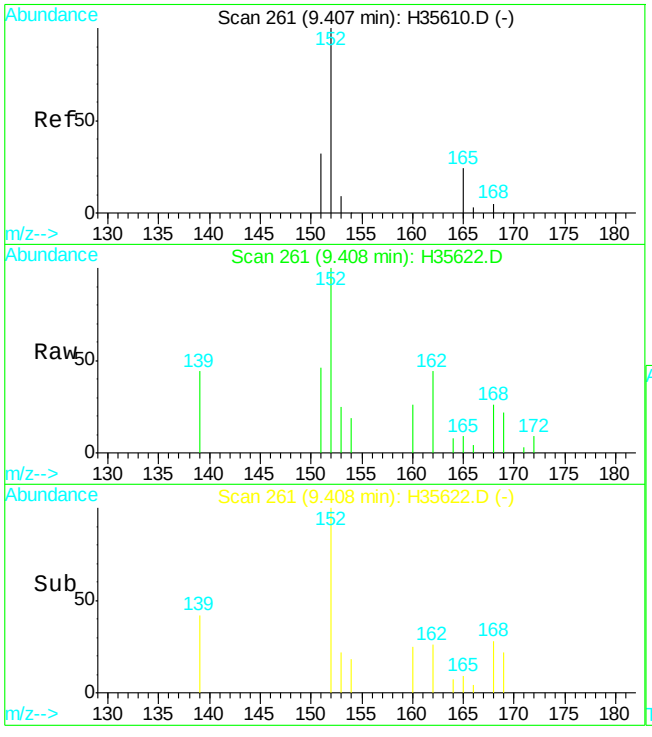


#8
1-Methylnaphthalene
Concen: 86.28 ppb
RT: 8.58 min Scan# 232
Delta R.T. 0.03 min
Lab File: H35622.D
Acq: 26 Oct 2009 6:35 pm

Tgt Ion:142 Resp: 7607235

Ion	Ratio	Lower	Upper
142	100		
141	89.0	85.3	158.3
115	0.0	0.0	0.0

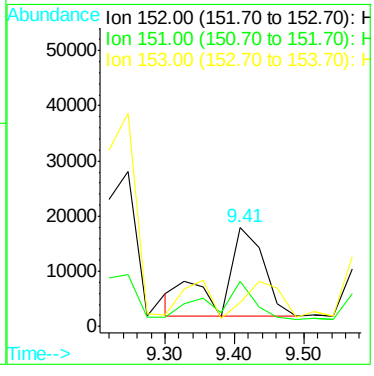


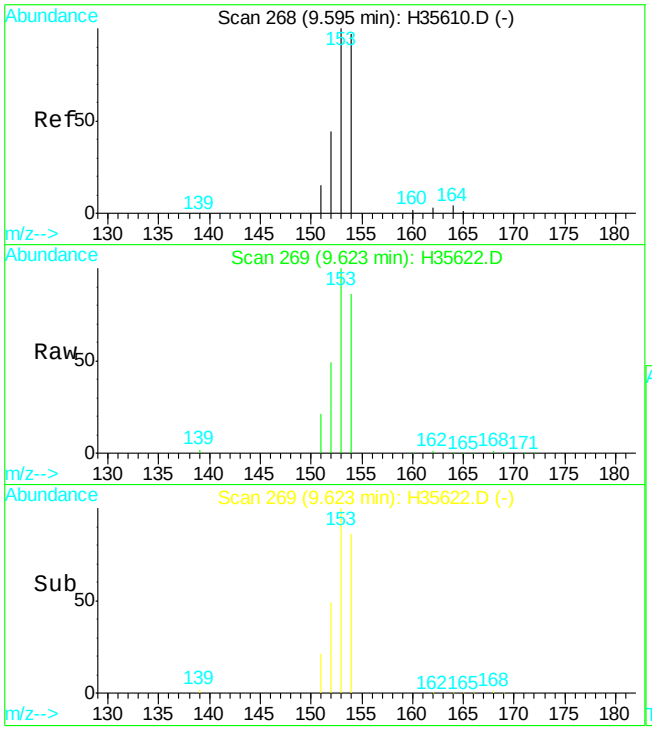


#11
Acenaphthylene
Concen: 2.20 ppb
RT: 9.41 min Scan# 261
Delta R.T. -0.03 min
Lab File: H35622.D
Acq: 26 Oct 2009 6:35 pm

Tgt Ion:152 Resp: 68029

Ion	Ratio	Lower	Upper
152	100		
151	48.1	22.8	42.4#
153	18.1	5.9	11.1#

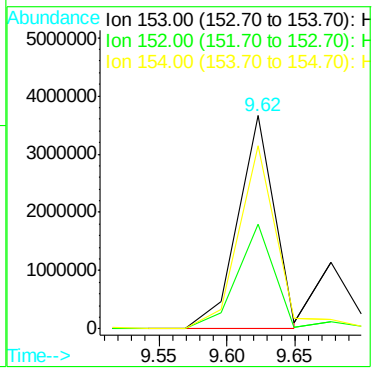


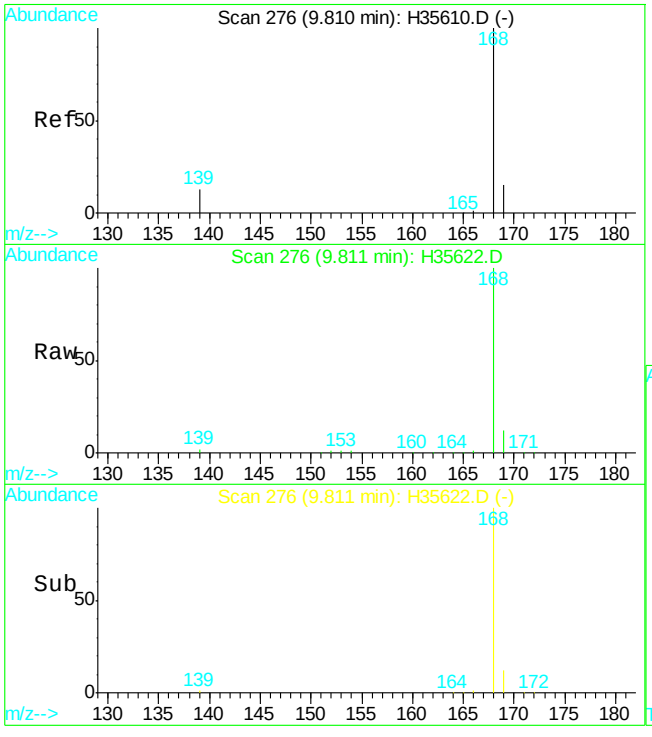


#12
Acenaphthene
Concen: 250.97 ppb m
RT: 9.62 min Scan# 269
Delta R.T. 0.00 min
Lab File: H35622.D
Acq: 26 Oct 2009 6:35 pm

Tgt Ion:153 Resp: 6830326

Ion	Ratio	Lower	Upper
153	100		
152	49.2	31.0	57.6
154	86.1	67.6	125.6

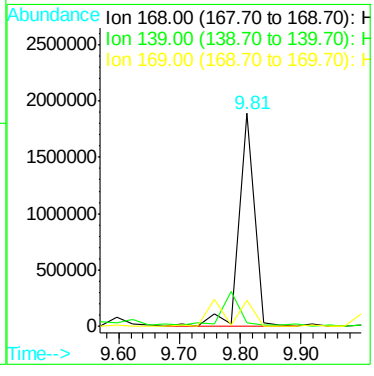


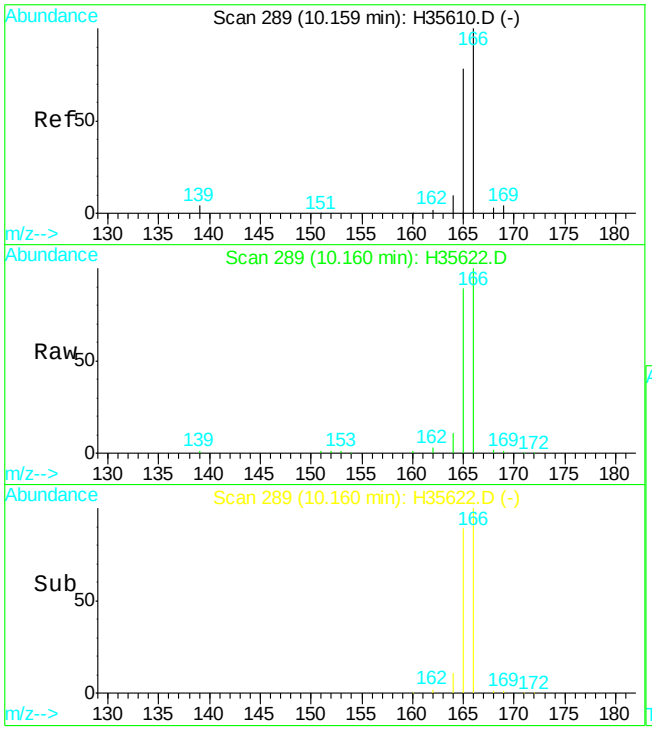


#13
Dibenzofuran
Concen: 132.83 ppb
RT: 9.81 min Scan# 276
Delta R.T. -0.03 min
Lab File: H35622.D
Acq: 26 Oct 2009 6:35 pm

Tgt Ion:168 Resp: 3396151

Ion	Ratio	Lower	Upper
168	100		
139	16.6	37.9	70.5#
169	24.2	10.6	19.6#

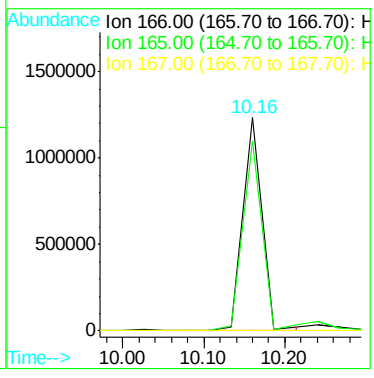


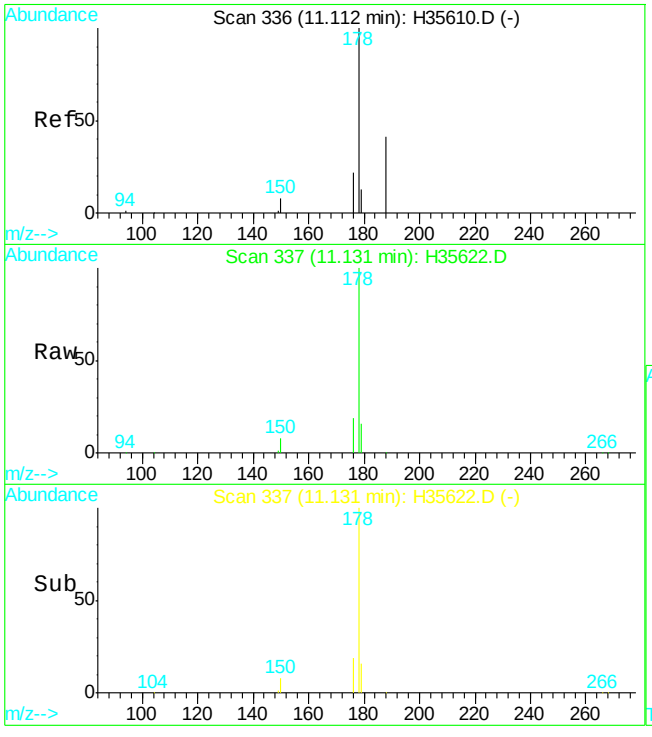


#14
Fluorene
Concen: 126.10 ppb
RT: 10.16 min Scan# 289
Delta R.T. -0.03 min
Lab File: H35622.D
Acq: 26 Oct 2009 6:35 pm

Tgt Ion:166 Resp: 2069811

Ion	Ratio	Lower	Upper
166	100		
165	88.4	75.7	140.7
167	0.0	0.0	0.0

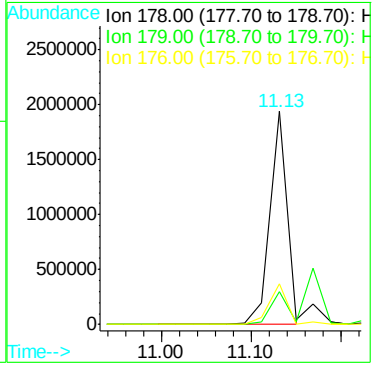


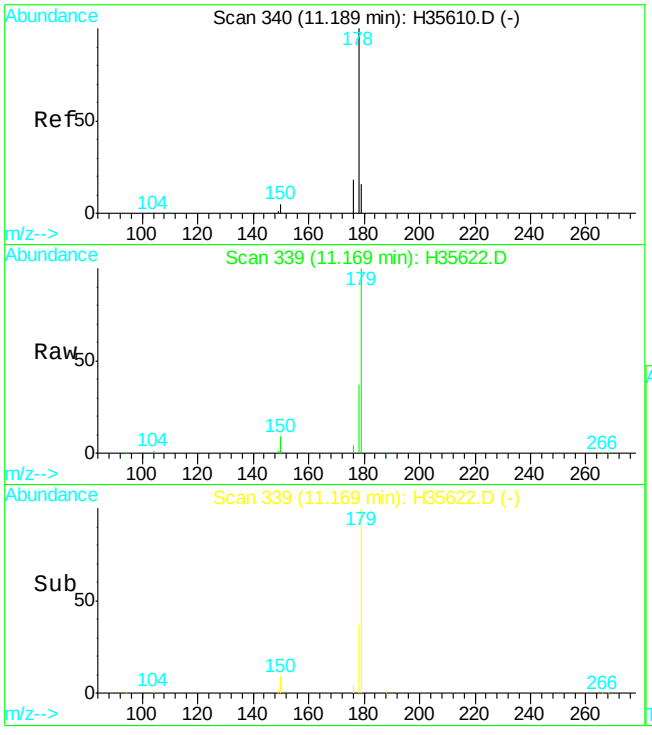


#18
Phenanthrene
Concen: 127.00 ppb m
RT: 11.13 min Scan# 337
Delta R.T. 0.00 min
Lab File: H35622.D
Acq: 26 Oct 2009 6:35 pm

Tgt Ion:178 Resp: 2535994

Ion	Ratio	Lower	Upper
178	100		
179	15.5	9.0	16.8
176	19.3	16.0	29.8

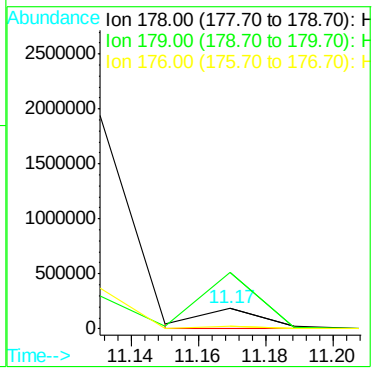


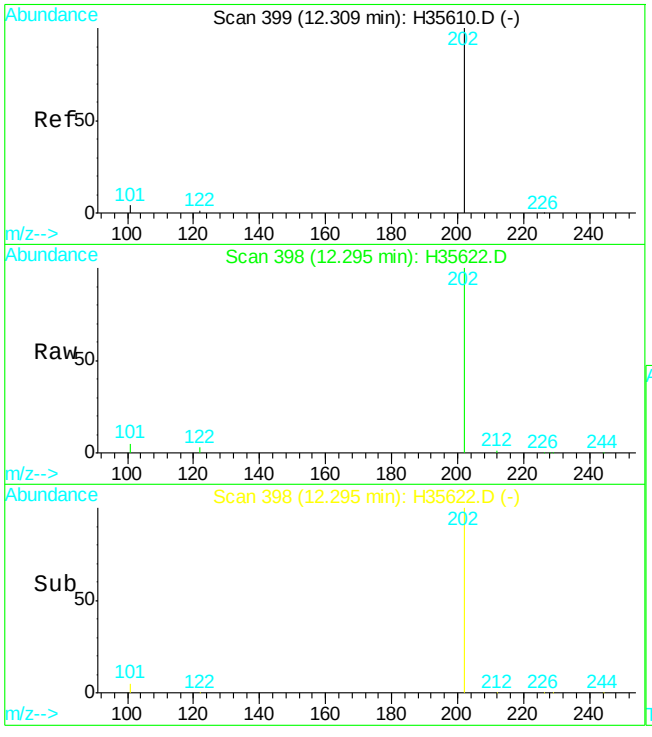


#19
Anthracene
Concen: 9.69 ppb m
RT: 11.17 min Scan# 339
Delta R.T. -0.04 min
Lab File: H35622.D
Acq: 26 Oct 2009 6:35 pm

Tgt Ion:178 Resp: 246585

Ion	Ratio	Lower	Upper
178	100		
179	272.2	11.4	21.2#
176	11.9	12.7	23.7#

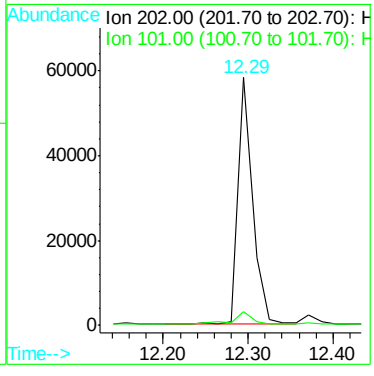


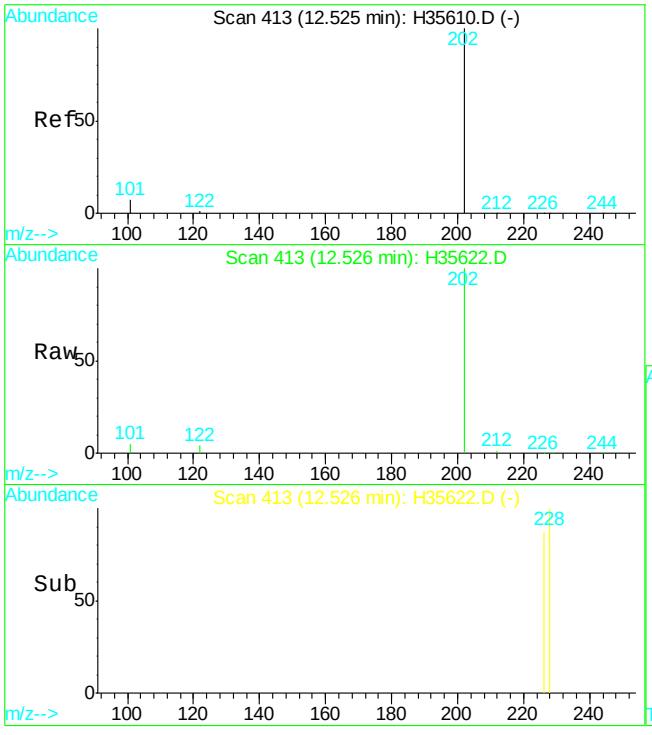


#20
Fluoranthene
Concen: 6.23 ppb
RT: 12.29 min Scan# 398
Delta R.T. -0.03 min
Lab File: H35622.D
Acq: 26 Oct 2009 6:35 pm

Tgt Ion:202 Resp: 70848

Ion	Ratio	Lower	Upper
202	100		
101	4.7	2.8	5.2

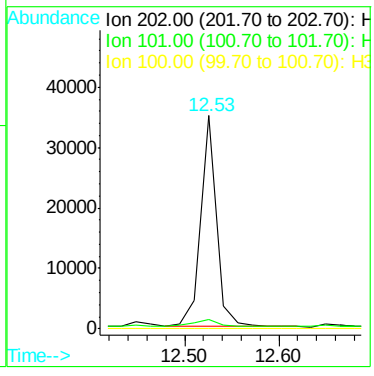




#22
Pyrene
Concen: 3.53 ppb
RT: 12.53 min Scan# 413
Delta R.T. 0.03 min
Lab File: H35622.D
Acq: 26 Oct 2009 6:35 pm

Tgt Ion:202 Resp: 40773

Ion	Ratio	Lower	Upper
202	100		
101	3.3	4.8	9.0#
100	0.0	0.0	0.0



8.1.28

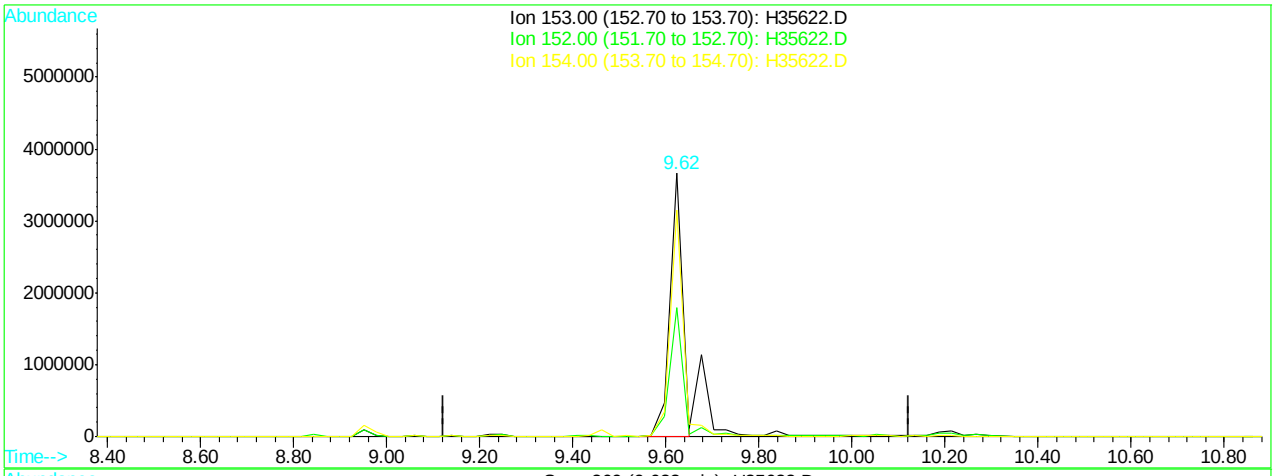
8

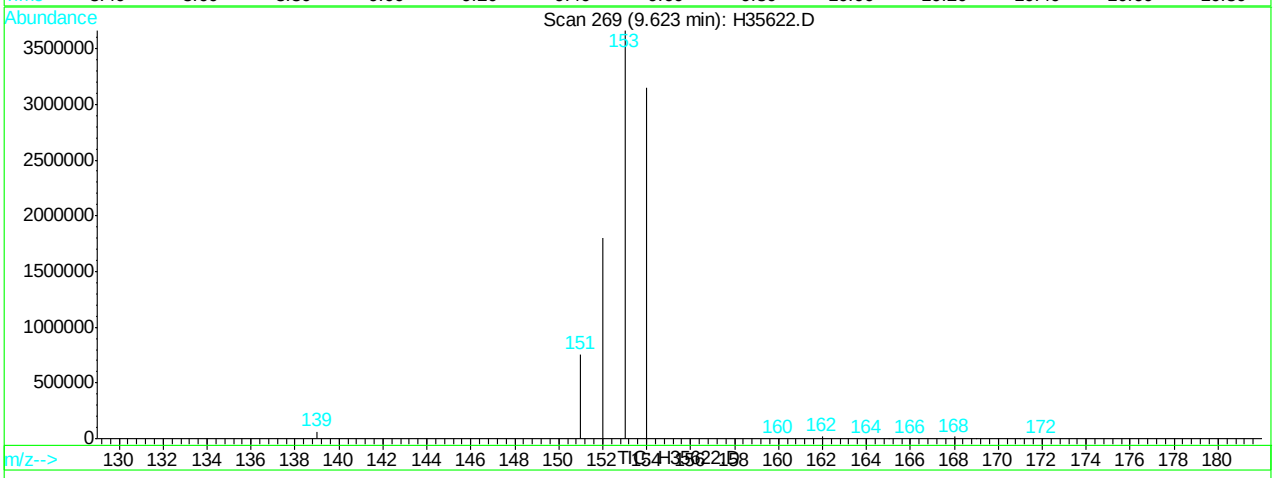
ACCUTEST Laboratories T39513

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35622.D Vial: 14
Acq On : 26 Oct 2009 6:35 pm Operator: sheilac
Sample : t39513-7 Inst : TXMSH
Misc : OP13270,EH1921,970,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 18:55 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 18:53:22 2009
Response via : Multiple Level Calibration





(12) Acenaphthene (T)

9.62min 250.97ppb m

response 6830326

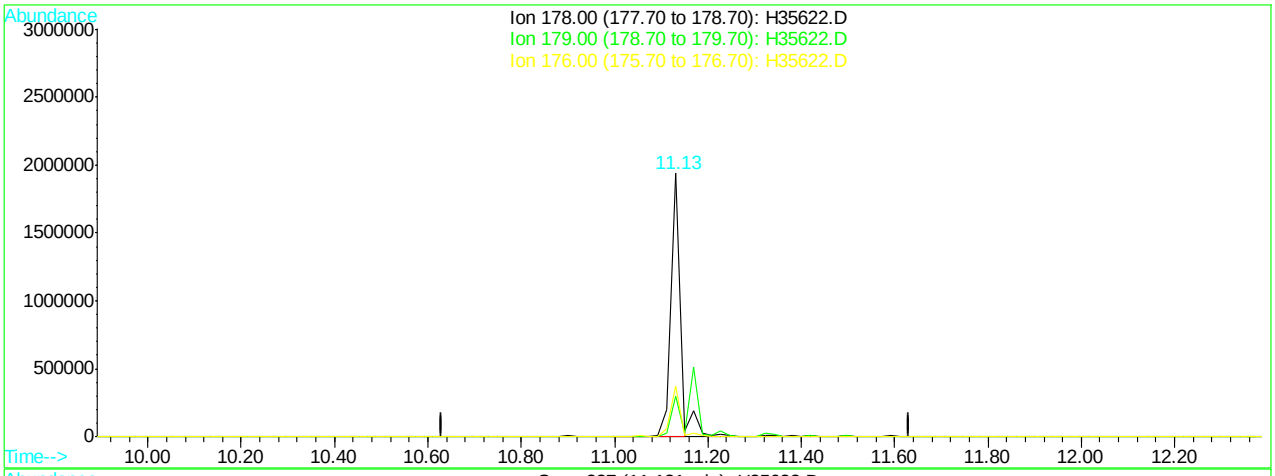
Ion	Exp%	Act%
153.00	100	100
152.00	44.30	49.18
154.00	96.60	86.06
0.00	0.00	0.00

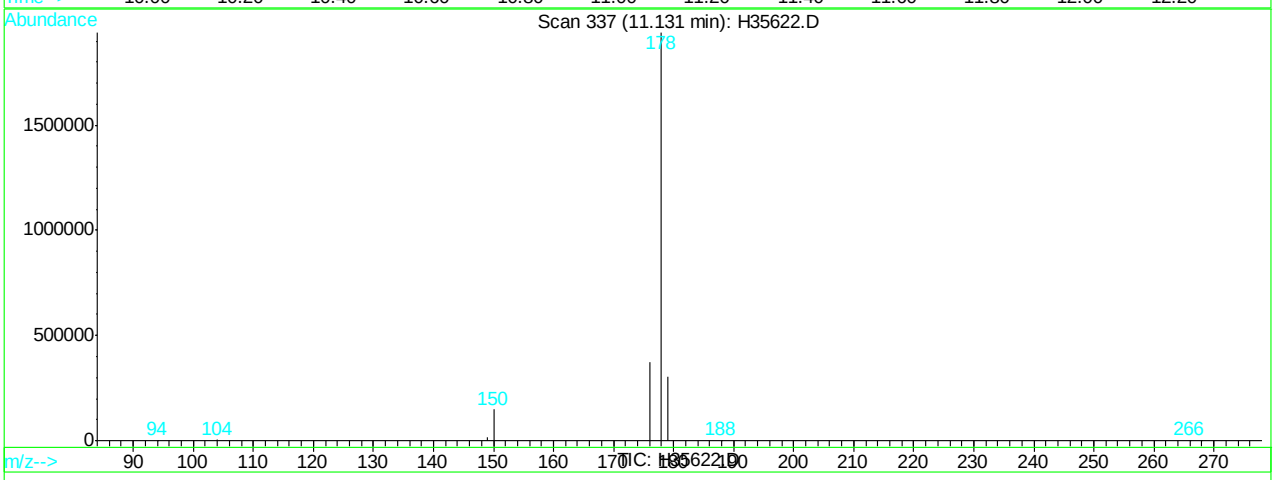
H35622.D H10269SP.M Mon Oct 26 18:56:27 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35622.D Vial: 14
Acq On : 26 Oct 2009 6:35 pm Operator: sheilac
Sample : t39513-7 Inst : TXMSH
Misc : OP13270,EH1921,970,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 18:55 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 18:53:22 2009
Response via : Multiple Level Calibration





(18) Phenanthrene (T)

11.13min 127.00ppb m

response 2535994

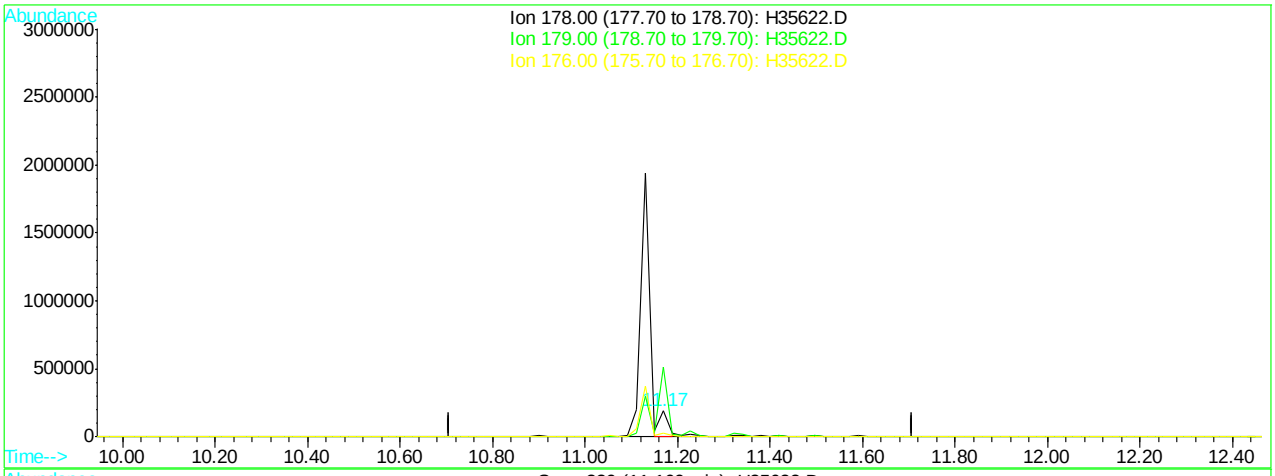
Ion	Exp%	Act%
178.00	100	100
179.00	12.90	15.54
176.00	22.90	19.32
0.00	0.00	0.00

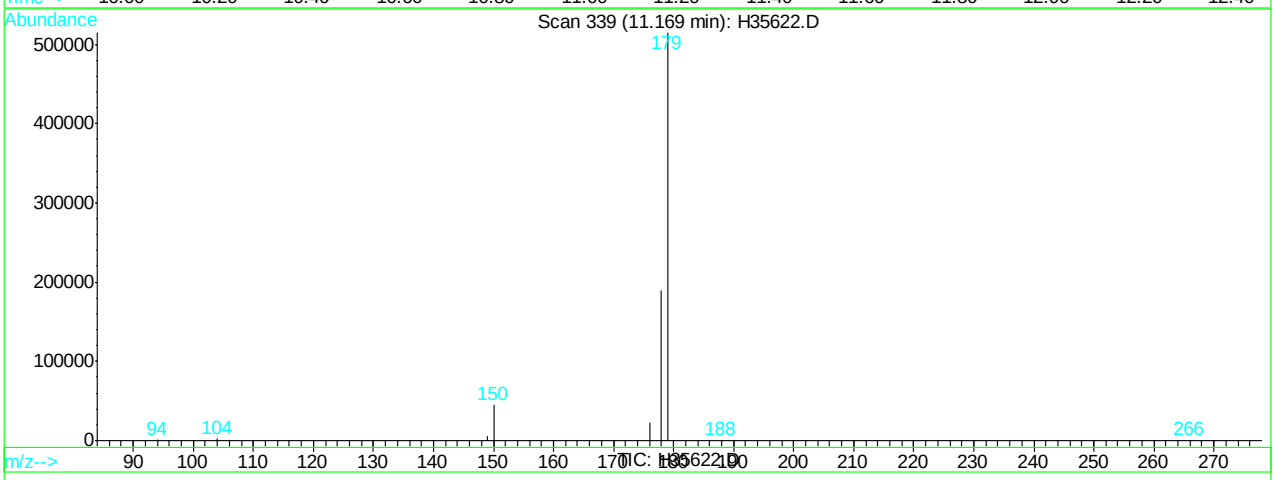
H35622.D H10269SP.M Mon Oct 26 18:56:38 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35622.D Vial: 14
Acq On : 26 Oct 2009 6:35 pm Operator: sheilac
Sample : t39513-7 Inst : TXMSH
Misc : OP13270,EH1921,970,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 18:55 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 18:53:22 2009
Response via : Multiple Level Calibration





(19) Anthracene (T)

11.17min 9.69ppb m

response 246585

Ion	Exp%	Act%
178.00	100	100
179.00	16.30	272.16#
176.00	18.20	11.87#
0.00	0.00	0.00

H35622.D H10269SP.M Mon Oct 26 18:56:41 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/27/09 17:17

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1921\H35623.D Vial: 15
Acq On : 26 Oct 2009 7:03 pm Operator: sheilac
Sample : t39513-8,10x Inst : TXMSH
Misc : OP13270,EH1921,1000,,,1,10,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 19:30 2009 Quant Results File: H10269SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 18:53:22 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.66	152	84620	4.00	ppb	0.03
4) Naphthalene-d8	7.60	136	82684m	4.00	ppb	-0.11
9) Acenaphthene-d10	9.59	164	42425	4.00	ppb	0.00
15) Phenanthrene-d10	11.09	188	46864	4.00	ppb	-0.02
21) Chrysene-d12	13.92	240	5899	4.00	ppb	0.02
26) Perylene-d12	16.40	264	4771	4.00	ppb	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	6.48	82	4325m	1.57	ppb	-0.09
Spiked Amount 5.000	Range 17 - 131		Recovery	=	31.40%	
10) 2-Fluorobiphenyl	8.90	172	66685	3.27	ppb	0.00
Spiked Amount 5.000	Range 15 - 137		Recovery	=	65.40%	
16) 2,4,6-Tribromophenol	10.45	330	12587	8.04	ppb	0.04
Spiked Amount 10.000	Range 10 - 123		Recovery	=	80.40%	
23) Terphenyl-d14	12.66	244	7506	4.89	ppb	0.02
Spiked Amount 5.000	Range 10 - 160		Recovery	=	97.80%	

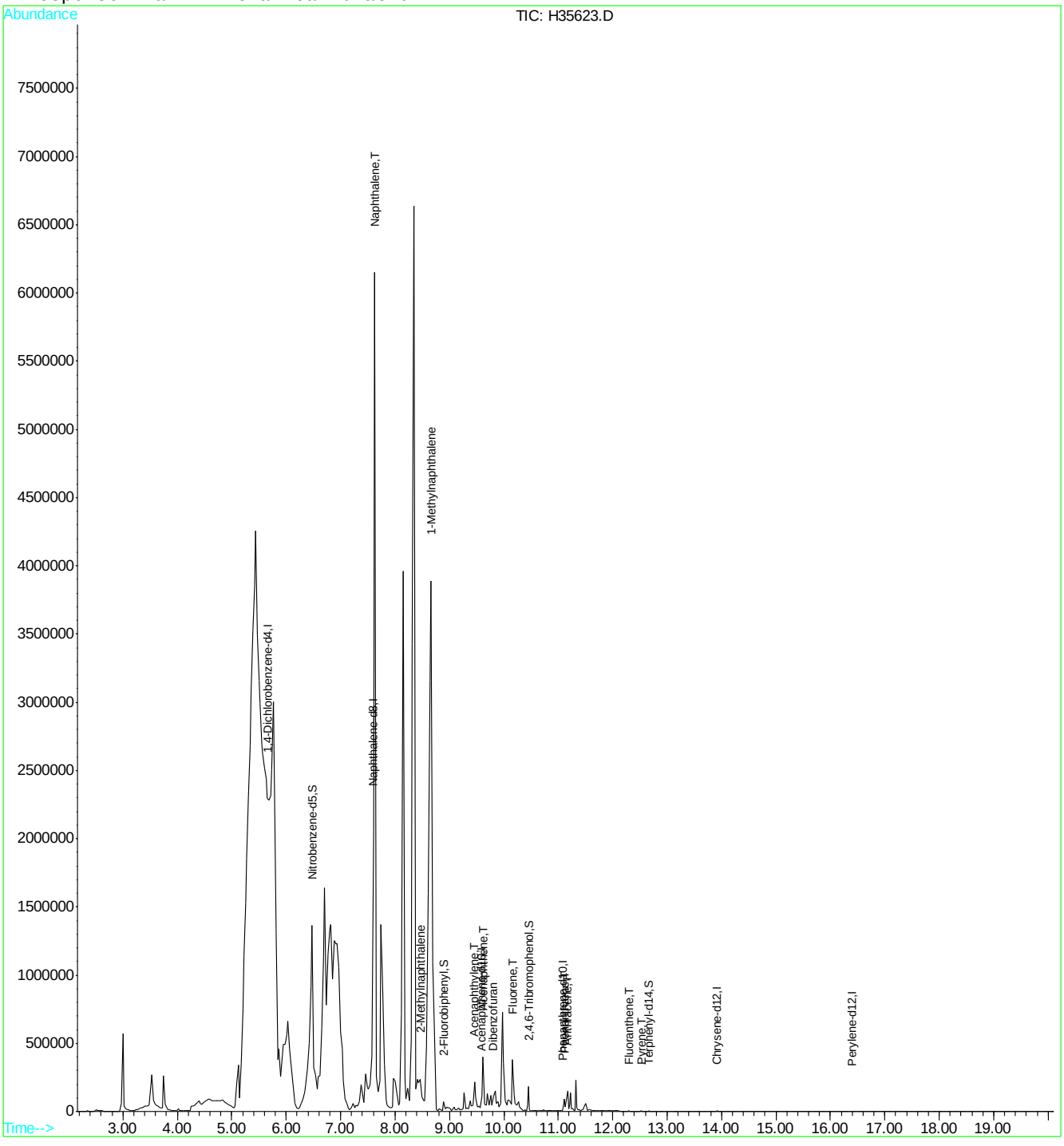
Target Compounds							Qvalue
6) Naphthalene	7.63	128	9899961	320.78	ppb		98
7) 2-Methylnaphthalene	8.46	142	144221	6.47	ppb	#	14
8) 1-Methylnaphthalene	8.67	142	7927903m	130.88	ppb		
11) Acenaphthylene	9.46	152	60004m	2.27	ppb		
12) Acenaphthene	9.62	153	250251	10.76	ppb	#	80
13) Dibenzofuran	9.81	168	81520m	3.73	ppb		
14) Fluorene	10.16	166	122650	8.74	ppb		97
18) Phenanthrene	11.11	178	77592m	4.12	ppb		
19) Anthracene	11.17	178	71628m	2.98	ppb		
20) Fluoranthene	12.29	202	3664	0.47	ppb	#	95
22) Pyrene	12.52	202	2930	0.43	ppb	#	87

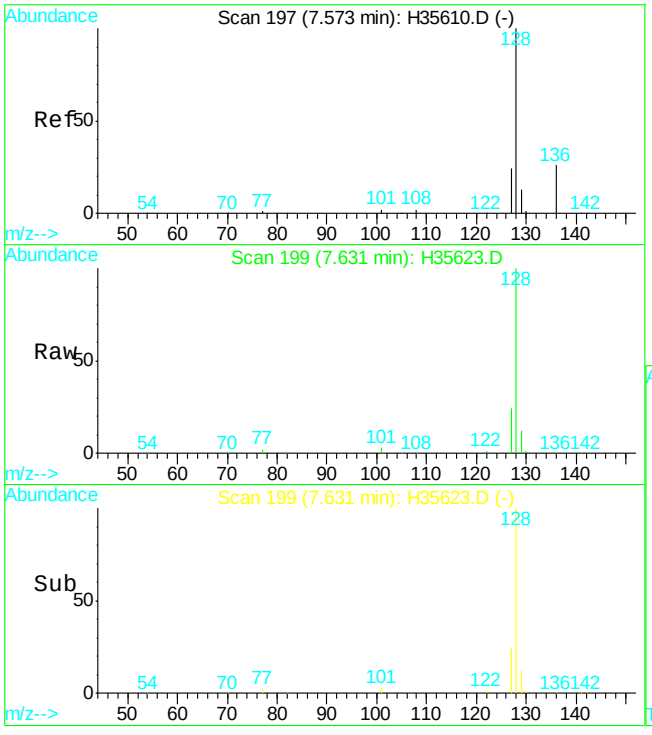
(#) = qualifier out of range (m) = manual integration
H35623.D H10269SP.M Tue Oct 27 14:55:43 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1921\H35623.D Vial: 15
Acq On : 26 Oct 2009 7:03 pm Operator: sheilac
Sample : t39513-8,10x Inst : TXMSH
Misc : OP13270,EH1921,1000,,,1,10,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 19:30 2009 Quant Results File: H10269SP.RES

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Initial Calibration

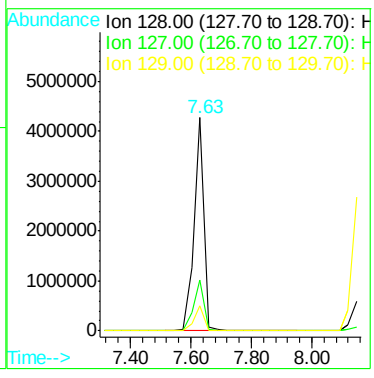


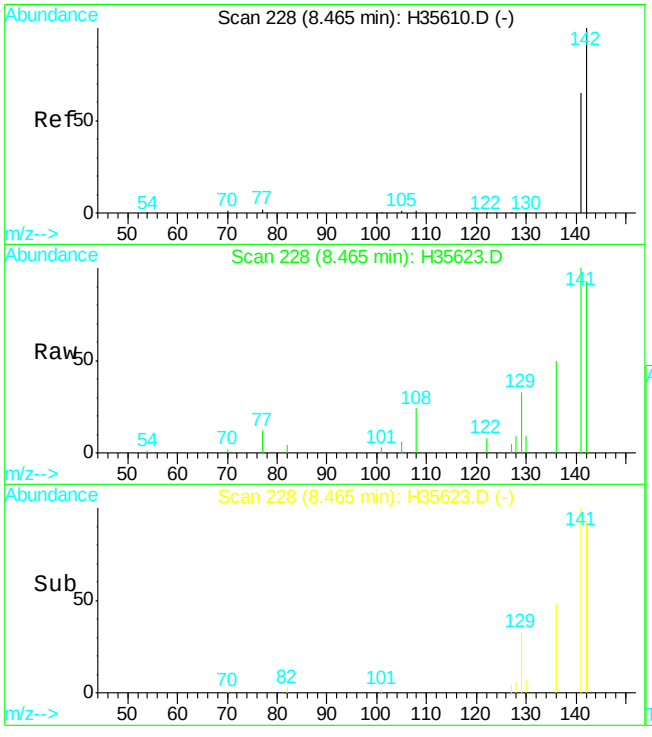


#6
Naphthalene
Concen: 320.78 ppb
RT: 7.63 min Scan# 199
Delta R.T. 0.06 min
Lab File: H35623.D
Acq: 26 Oct 2009 7:03 pm

Tgt Ion:128 Resp: 9899961

Ion	Ratio	Lower	Upper
128	100		
127	23.9	15.8	29.4
129	11.9	8.5	15.9

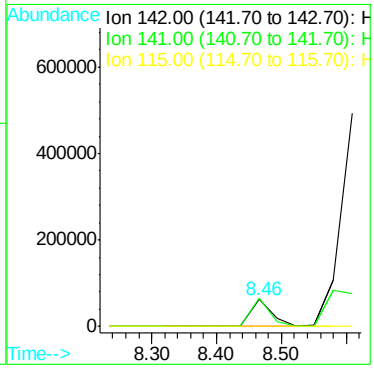


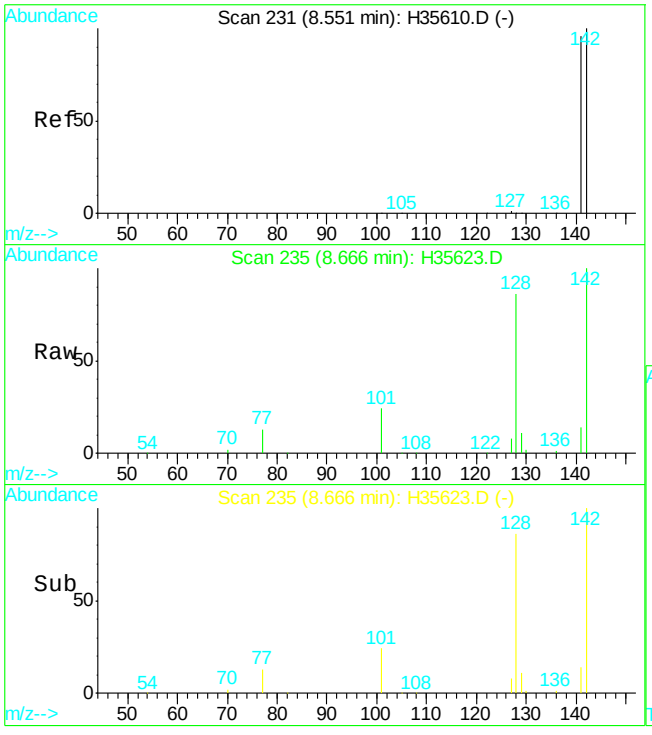


#7
2-Methylnaphthalene
Concen: 6.47 ppb
RT: 8.46 min Scan# 228
Delta R.T. 0.00 min
Lab File: H35623.D
Acq: 26 Oct 2009 7:03 pm

Tgt Ion:142 Resp: 144221

Ion	Ratio	Lower	Upper
142	100		
141	94.7	168.7	313.3#
115	0.0	0.0	0.0

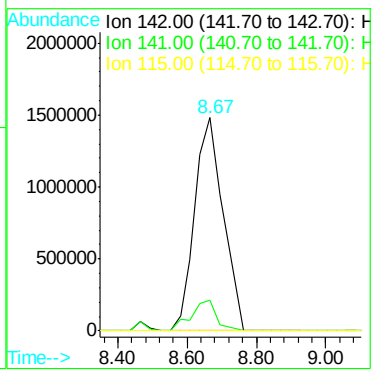


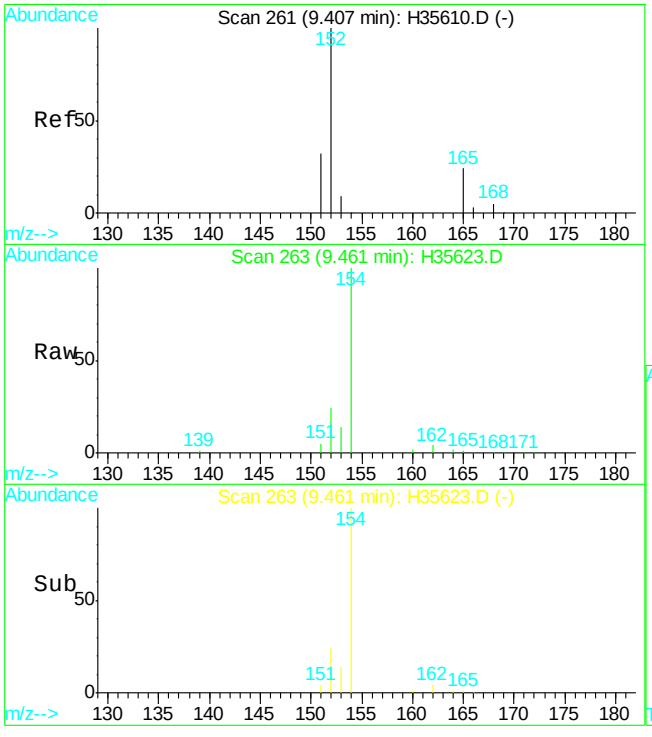


#8
1-Methylnaphthalene
Concen: 130.88 ppb m
RT: 8.67 min Scan# 235
Delta R.T. 0.12 min
Lab File: H35623.D
Acq: 26 Oct 2009 7:03 pm

Tgt Ion:142 Resp: 7927903

Ion	Ratio	Lower	Upper
142	100		
141	1.7	85.3	158.3#
115	0.0	0.0	0.0

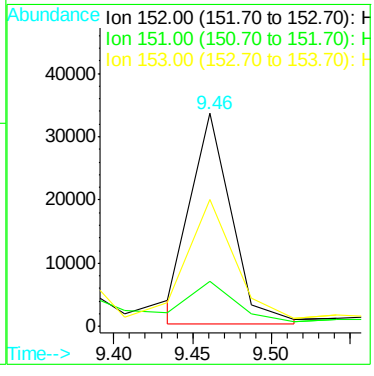


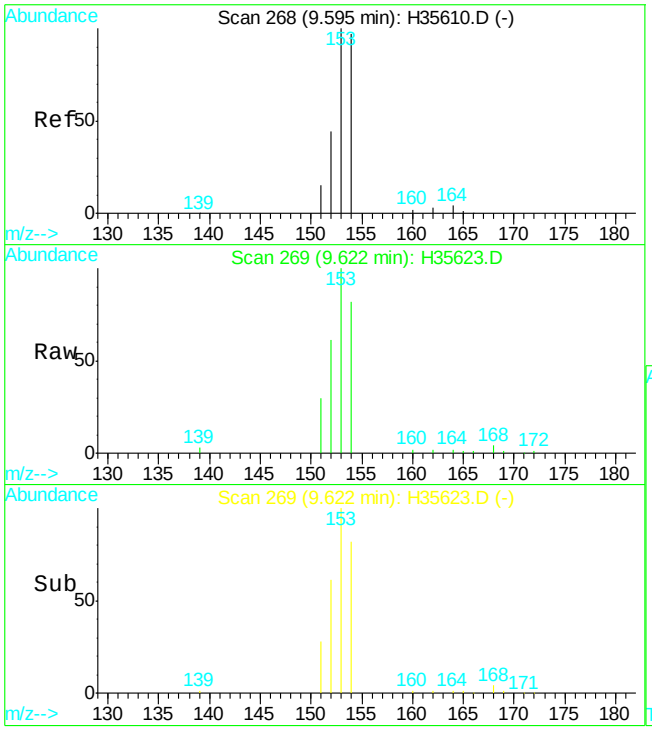


#11
Acenaphthylene
Concen: 2.27 ppb m
RT: 9.46 min Scan# 263
Delta R.T. 0.03 min
Lab File: H35623.D
Acq: 26 Oct 2009 7:03 pm

Tgt Ion:152 Resp: 60004

Ion	Ratio	Lower	Upper
152	100		
151	21.5	22.8	42.4#
153	59.7	5.9	11.1#

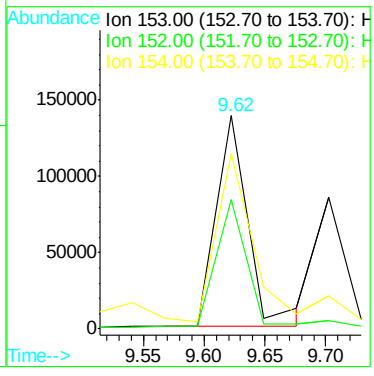


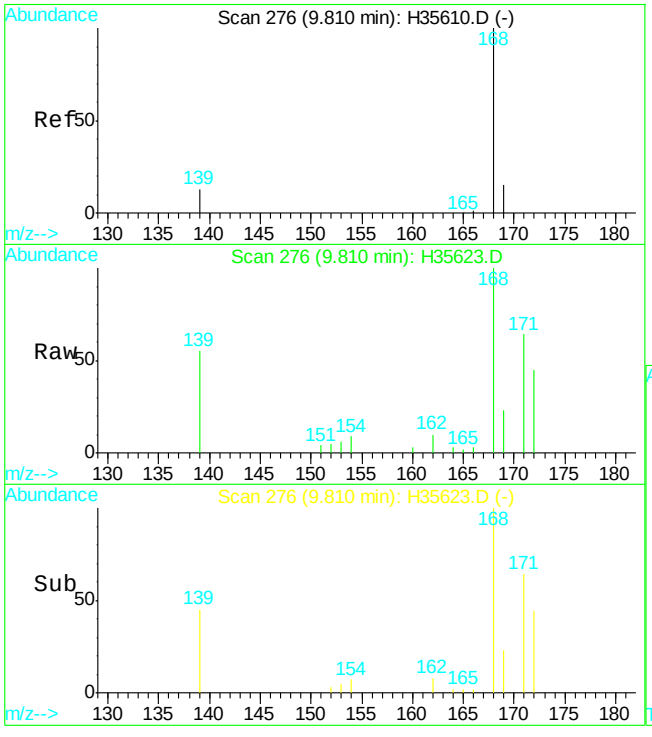


#12
Acenaphthene
Concen: 10.76 ppb
RT: 9.62 min Scan# 269
Delta R.T. -0.00 min
Lab File: H35623.D
Acq: 26 Oct 2009 7:03 pm

Tgt Ion:153 Resp: 250251

Ion	Ratio	Lower	Upper
153	100		
152	62.3	31.0	57.6#
154	80.3	67.6	125.6

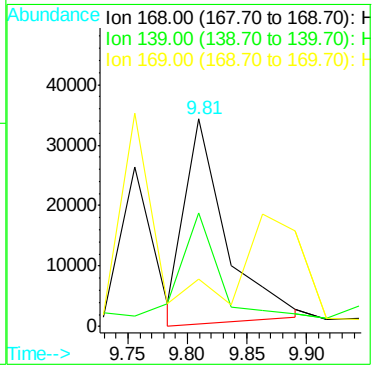


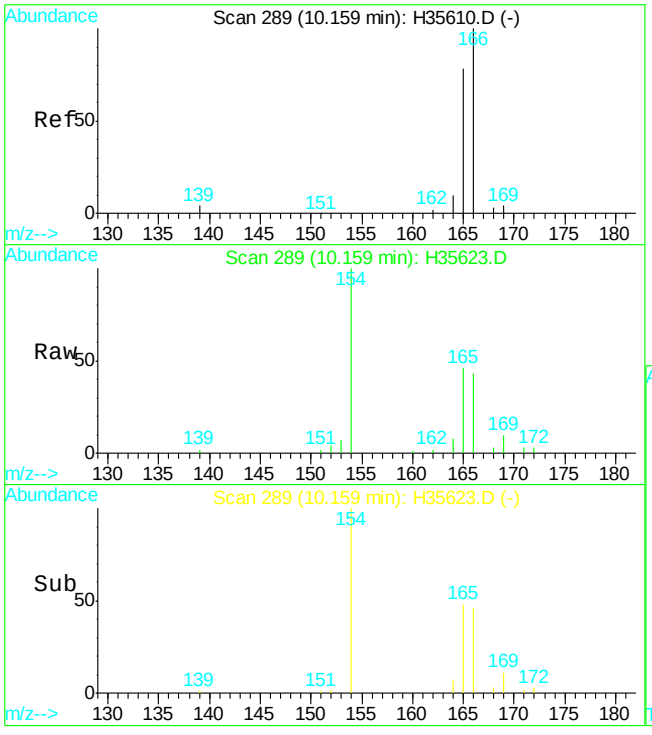


#13
Dibenzofuran
Concen: 3.73 ppb m
RT: 9.81 min Scan# 276
Delta R.T. -0.03 min
Lab File: H35623.D
Acq: 26 Oct 2009 7:03 pm

Tgt Ion:168 Resp: 81520

Ion	Ratio	Lower	Upper
168	100		
139	65.9	37.9	70.5
169	104.4	10.6	19.6#

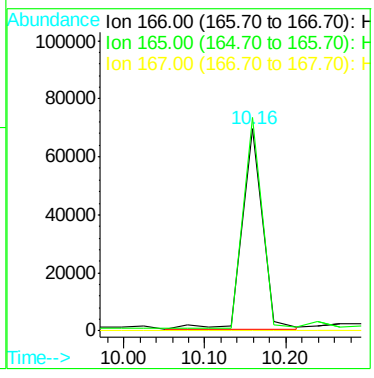


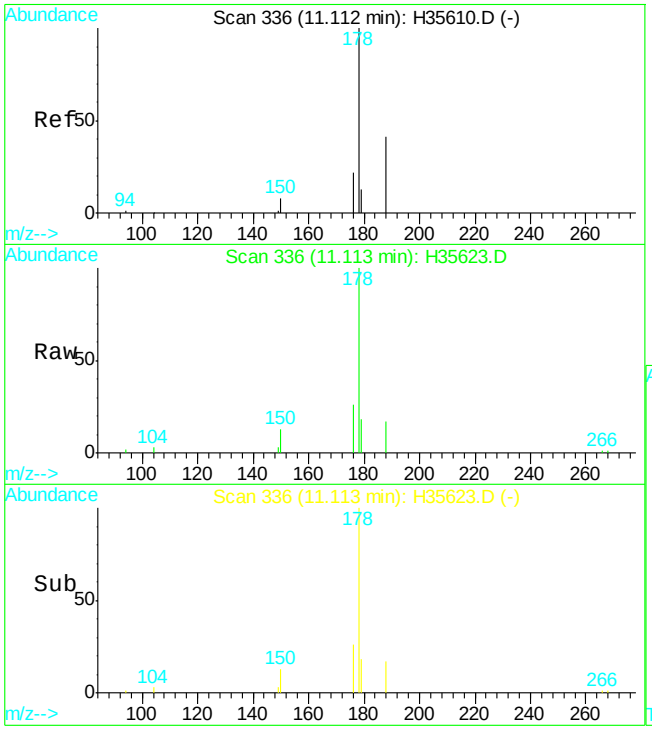


#14
Fluorene
Concen: 8.74 ppb
RT: 10.16 min Scan# 289
Delta R.T. -0.03 min
Lab File: H35623.D
Acq: 26 Oct 2009 7:03 pm

Tgt Ion:166 Resp: 122650

Ion	Ratio	Lower	Upper
166	100		
165	105.6	75.7	140.7
167	0.0	0.0	0.0

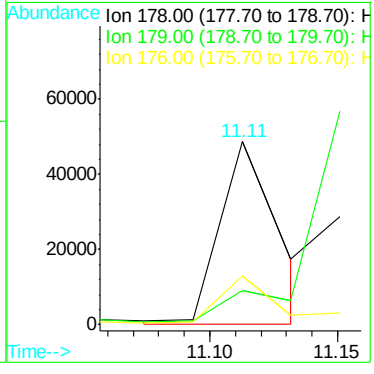


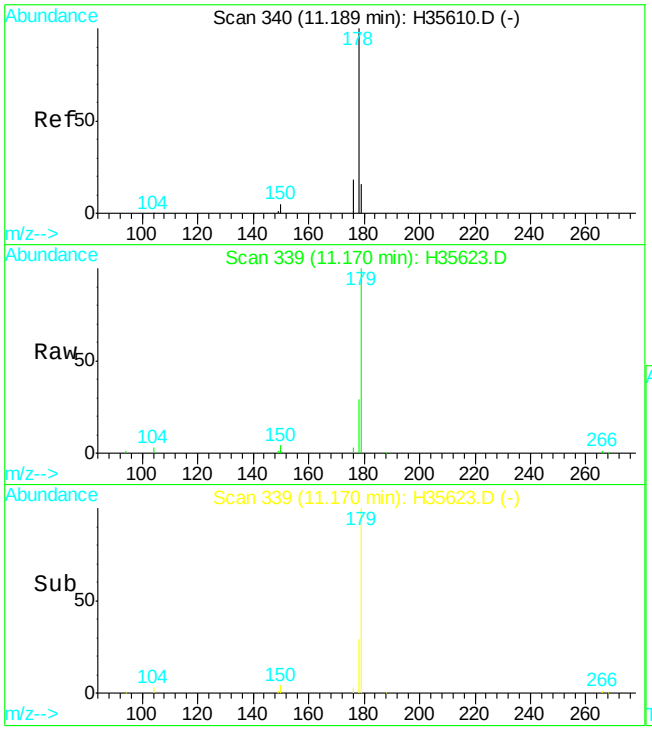


#18
Phenanthrene
Concen: 4.12 ppb m
RT: 11.11 min Scan# 336
Delta R.T. -0.02 min
Lab File: H35623.D
Acq: 26 Oct 2009 7:03 pm

Tgt Ion:178 Resp: 77592

Ion	Ratio	Lower	Upper
178	100		
179	18.3	9.0	16.8#
176	26.3	16.0	29.8

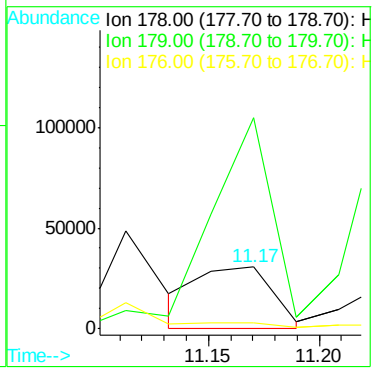


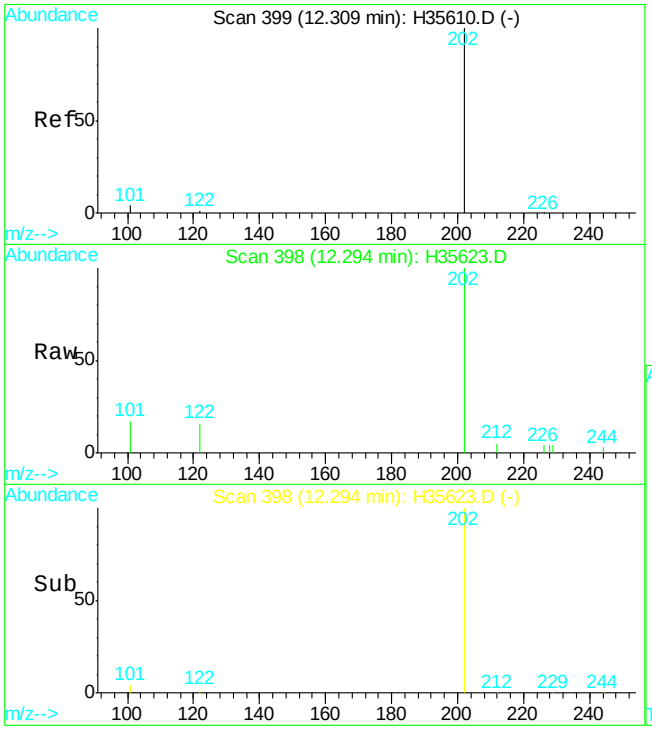


#19
Anthracene
Concen: 2.98 ppb m
RT: 11.17 min Scan# 339
Delta R.T. -0.04 min
Lab File: H35623.D
Acq: 26 Oct 2009 7:03 pm

Tgt Ion:178 Resp: 71628

Ion	Ratio	Lower	Upper
178	100		
179	342.5	11.4	21.2#
176	10.2	12.7	23.7#

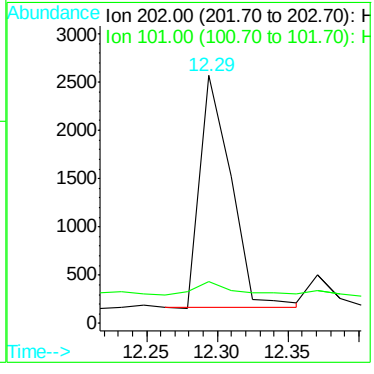


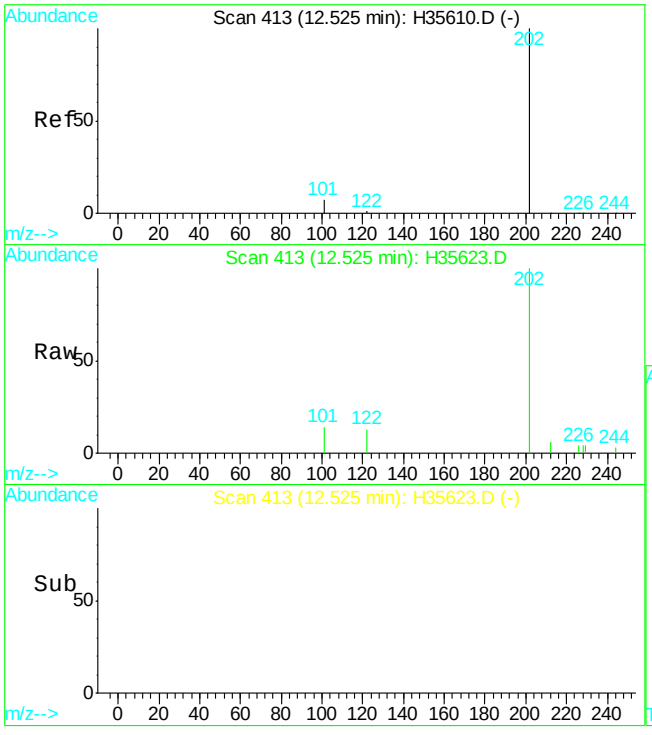


#20
Fluoranthene
Concen: 0.47 ppb
RT: 12.29 min Scan# 398
Delta R.T. -0.04 min
Lab File: H35623.D
Acq: 26 Oct 2009 7:03 pm

Tgt Ion:202 Resp: 3664

Ion	Ratio	Lower	Upper
202	100		
101	5.6	2.8	5.2#

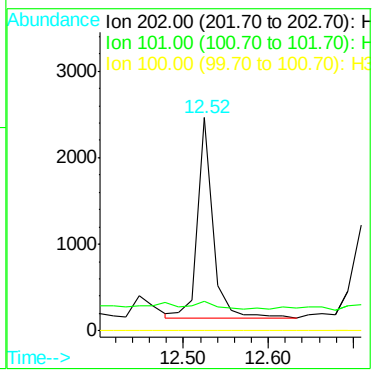




#22
Pyrene
Concen: 0.43 ppb
RT: 12.52 min Scan# 413
Delta R.T. 0.03 min
Lab File: H35623.D
Acq: 26 Oct 2009 7:03 pm

Tgt Ion:202 Resp: 2930

Ion	Ratio	Lower	Upper
202	100		
101	2.4	4.8	9.0#
100	0.0	0.0	0.0



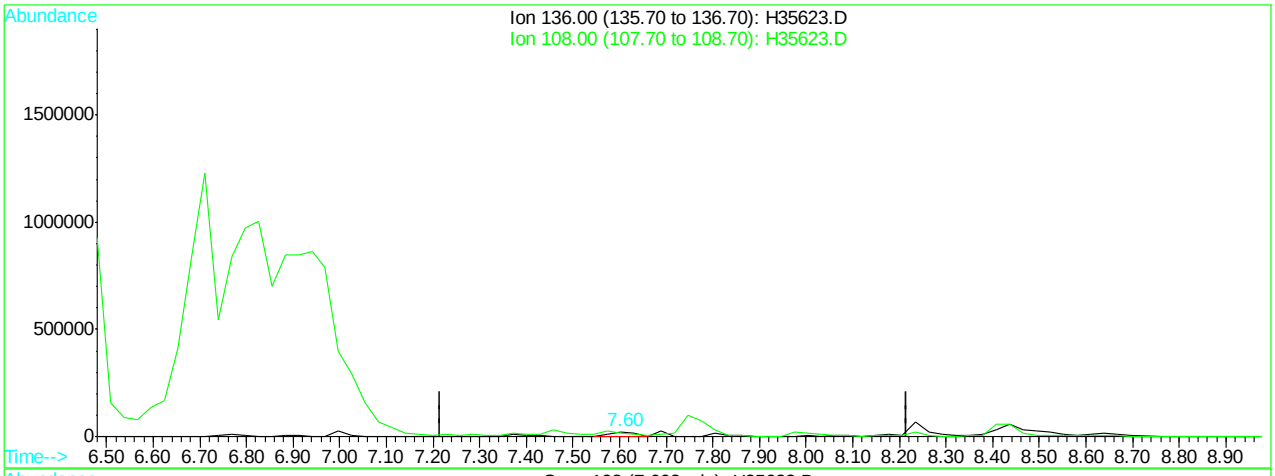
8.1.29

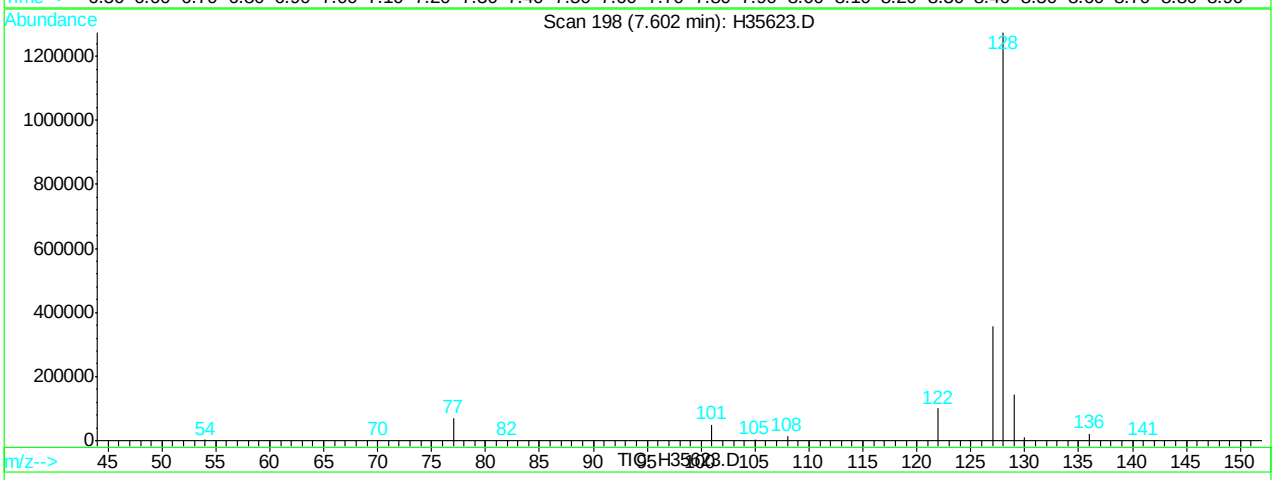
8

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35623.D Vial: 15
Acq On : 26 Oct 2009 7:03 pm Operator: sheilac
Sample : t39513-8,10x Inst : TXMSH
Misc : OP13270,EH1921,1000,,,1,10,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 19:30 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(4) Naphthalene-d8 (I)

7.60min 4.00ppb m

response 82684

Ion	Exp%	Act%
136.00	100	100
108.00	7.00	68.55#
0.00	0.00	0.00
0.00	0.00	0.00

H35623.D H10269SP.M Tue Oct 27 14:56:23 2009

Quantitation Report (Qedit)

```
Data File : C:\HPCHEM\1\DATA\EH1921\H35623.D            Vial: 15
Acq On    : 26 Oct 2009   7:03 pm                   Operator: sheilac
Sample    : t39513-8,10x                            Inst    : TXMSH
Misc      : OP13270,EH1921,1000,,,1,10,water        Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 19:30 2009             Quant Results File: temp.res

Method       : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title        : SIM METHOD FOR BNA
Last Update  : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration
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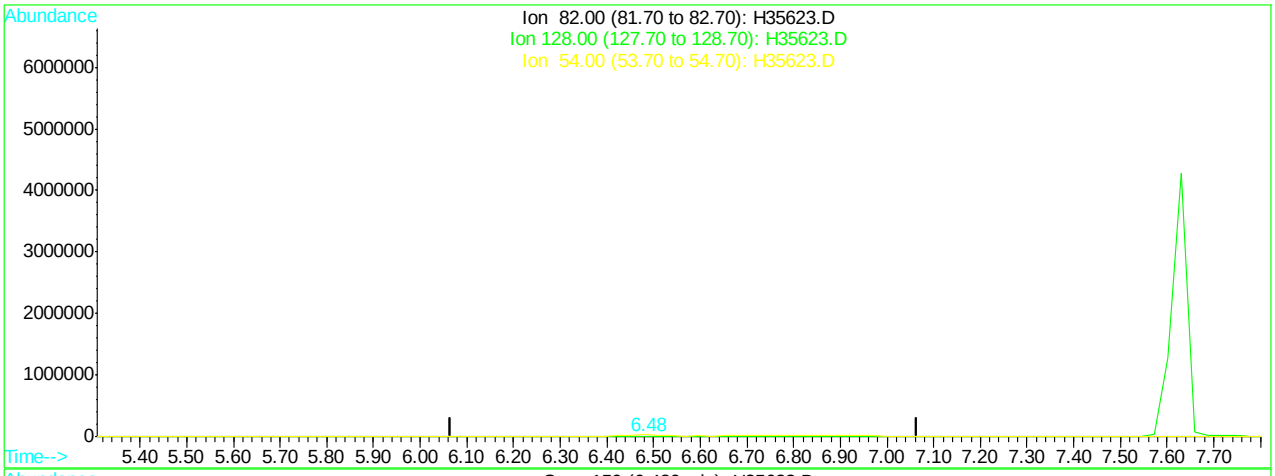
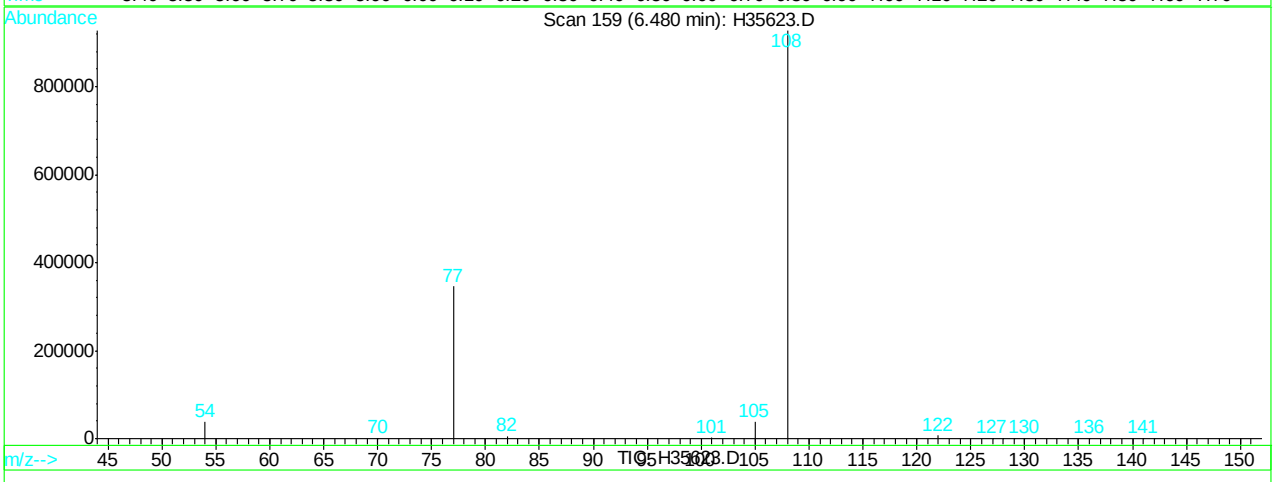




(5) Nitrobenzene-d5 (S)

6.48min 1.57ppb

response 4325

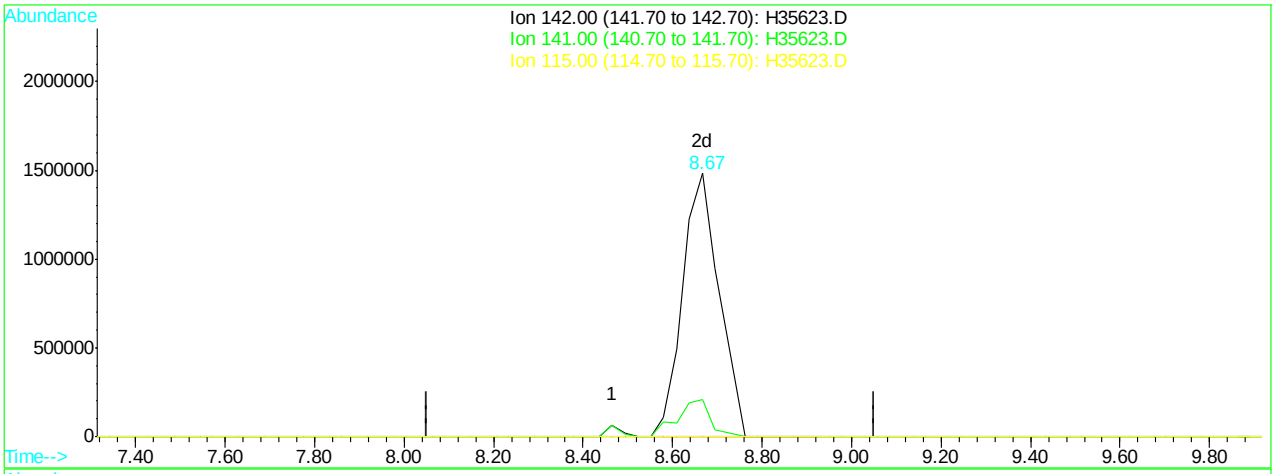
Ion	Exp%	Act%
82.00	100	100
128.00	91.60	3.51#
54.00	43.10	696.06#
0.00	0.00	0.00

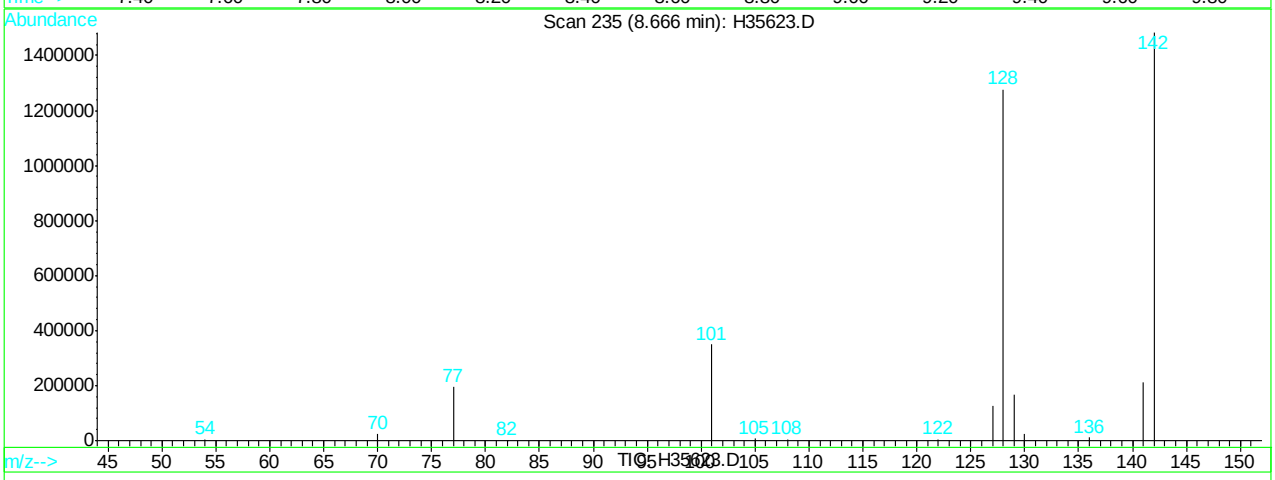
H35623.D H10269SP.M Tue Oct 27 14:56:27 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35623.D Vial: 15
Acq On : 26 Oct 2009 7:03 pm Operator: sheilac
Sample : t39513-8,10x Inst : TXMSH
Misc : OP13270,EH1921,1000,,,1,10,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 19:30 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(8) 1-Methylnaphthalene

8.67min 130.88ppb

response 7927903

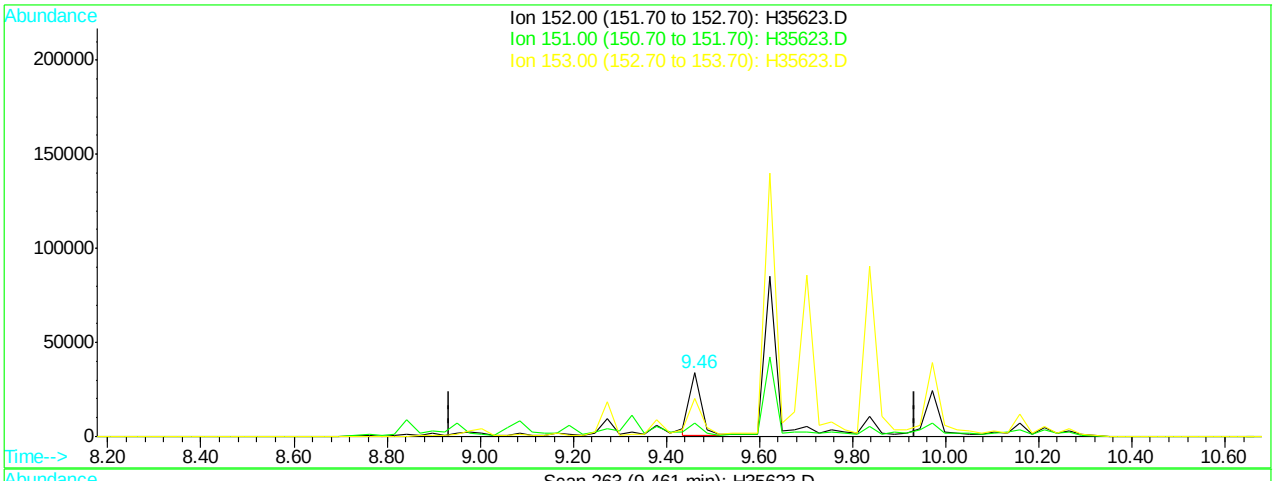
Ion	Exp%	Act%
142.00	100	100
141.00	121.80	1.72#
115.00	0.00	0.00
0.00	0.00	0.00

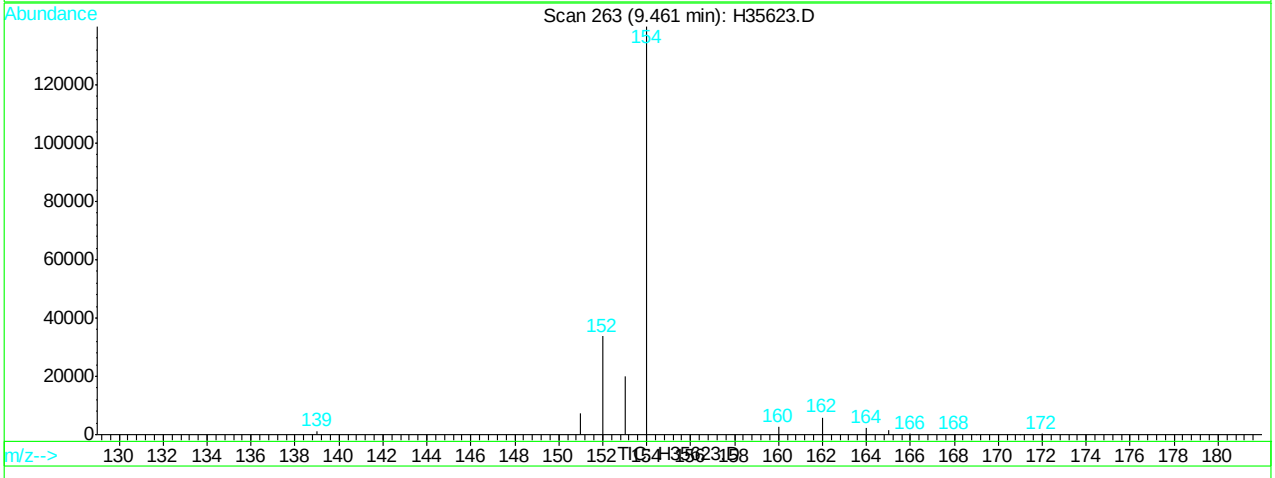
H35623.D H10269SP.M Tue Oct 27 14:56:30 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35623.D Vial: 15
Acq On : 26 Oct 2009 7:03 pm Operator: sheilac
Sample : t39513-8,10x Inst : TXMSH
Misc : OP13270,EH1921,1000,,,1,10,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 19:30 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(11) Acenaphthylene (T)

9.46min 2.27ppb m

response 60004

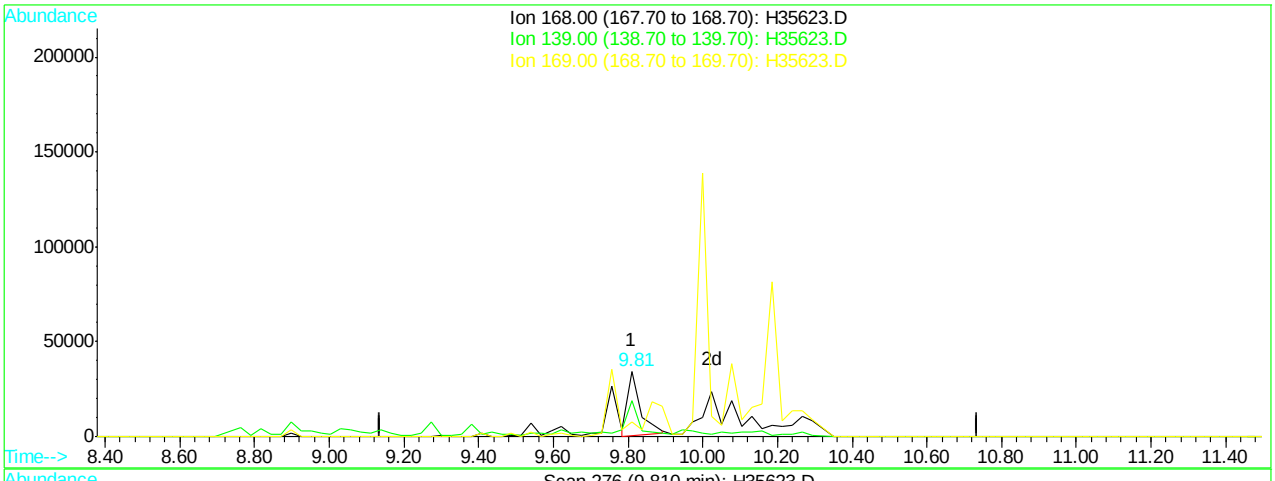
Ion	Exp%	Act%
152.00	100	100
151.00	32.60	21.46#
153.00	8.50	59.66#
0.00	0.00	0.00

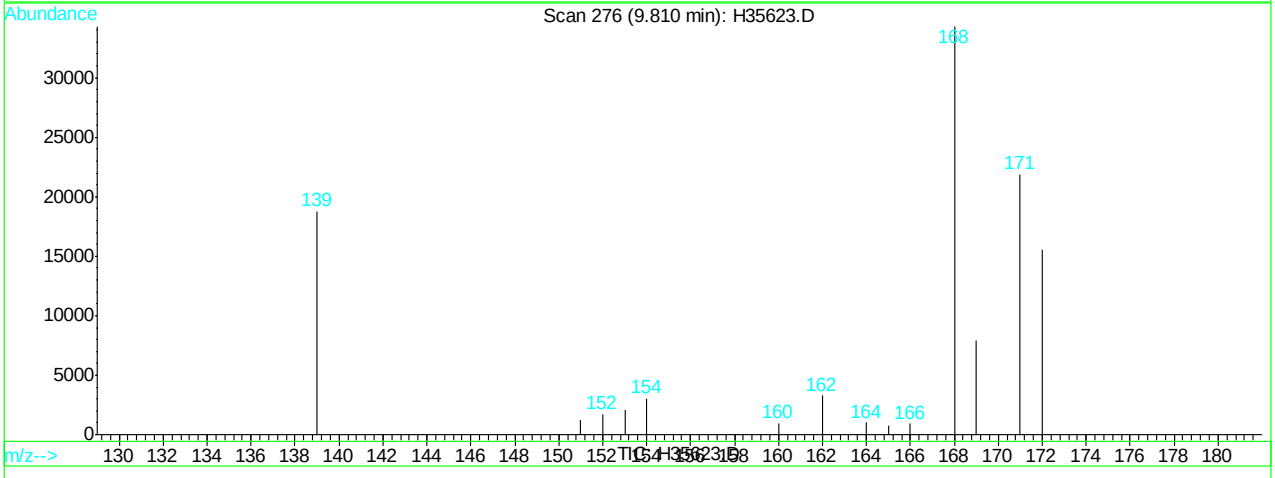
H35623.D H10269SP.M Tue Oct 27 14:56:39 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35623.D Vial: 15
Acq On : 26 Oct 2009 7:03 pm Operator: sheilac
Sample : t39513-8,10x Inst : TXMSH
Misc : OP13270,EH1921,1000,,,1,10,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 19:30 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(13) Dibenzofuran

9.81min 3.73ppb m

response 81520

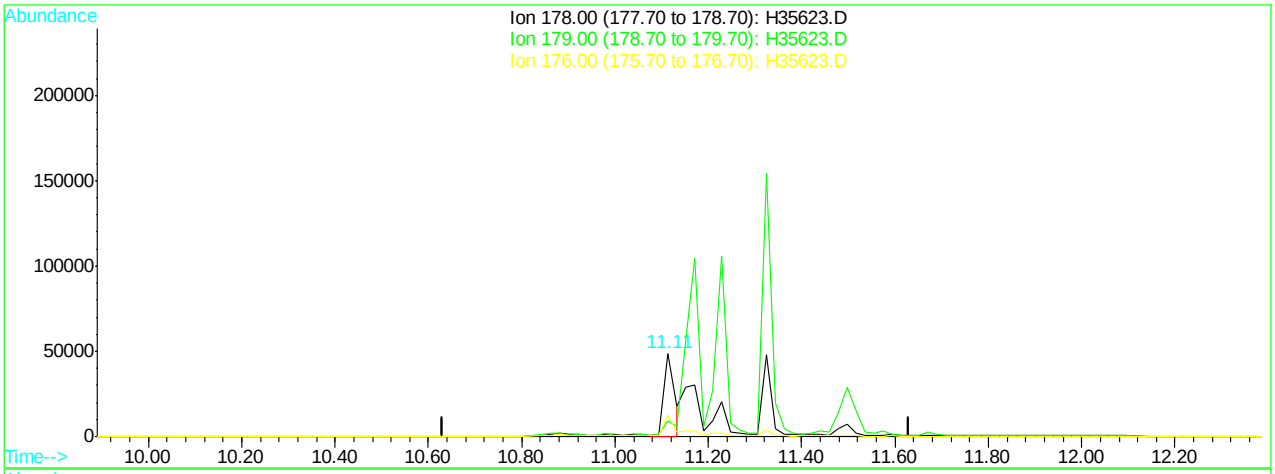
Ion	Exp%	Act%
168.00	100	100
139.00	54.20	65.86
169.00	15.10	104.36#
0.00	0.00	0.00

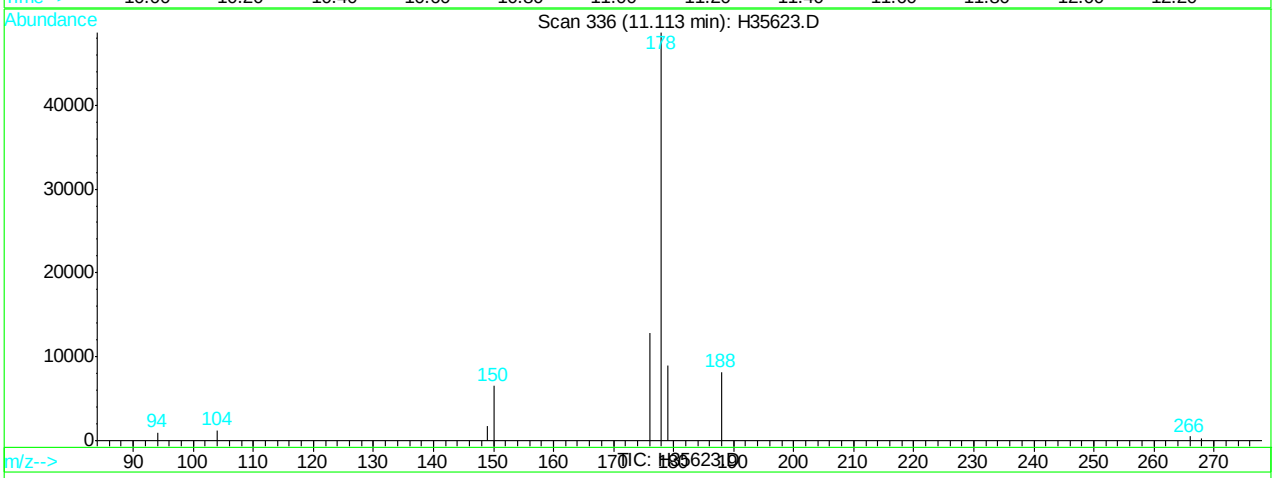
H35623.D H10269SP.M Tue Oct 27 14:56:46 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35623.D Vial: 15
Acq On : 26 Oct 2009 7:03 pm Operator: sheilac
Sample : t39513-8,10x Inst : TXMSH
Misc : OP13270,EH1921,1000,,,1,10,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 19:30 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(18) Phenanthrene (T)

11.11min 4.12ppb m

response 77592

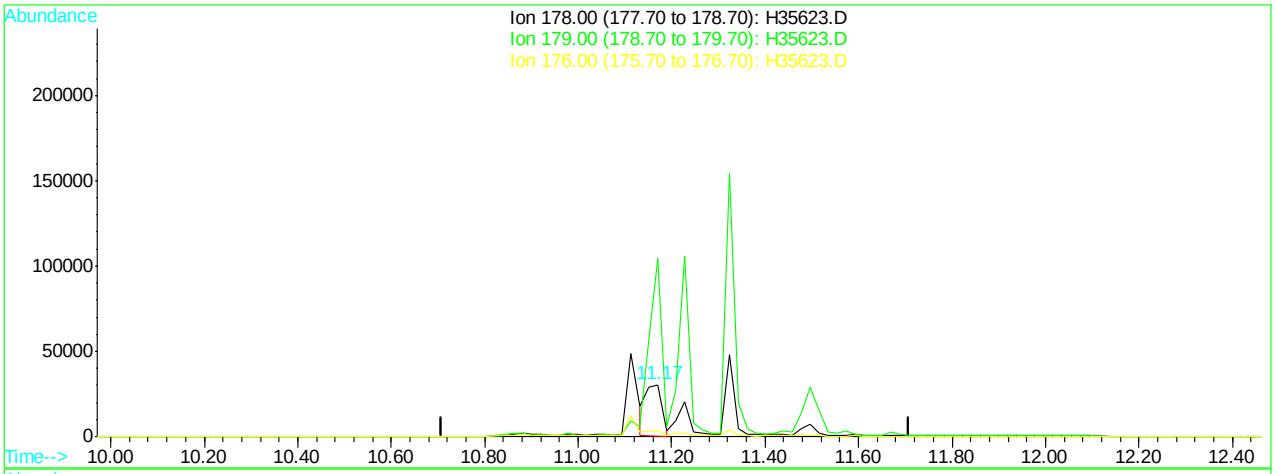
Ion	Exp%	Act%
178.00	100	100
179.00	12.90	18.33#
176.00	22.90	26.34
0.00	0.00	0.00

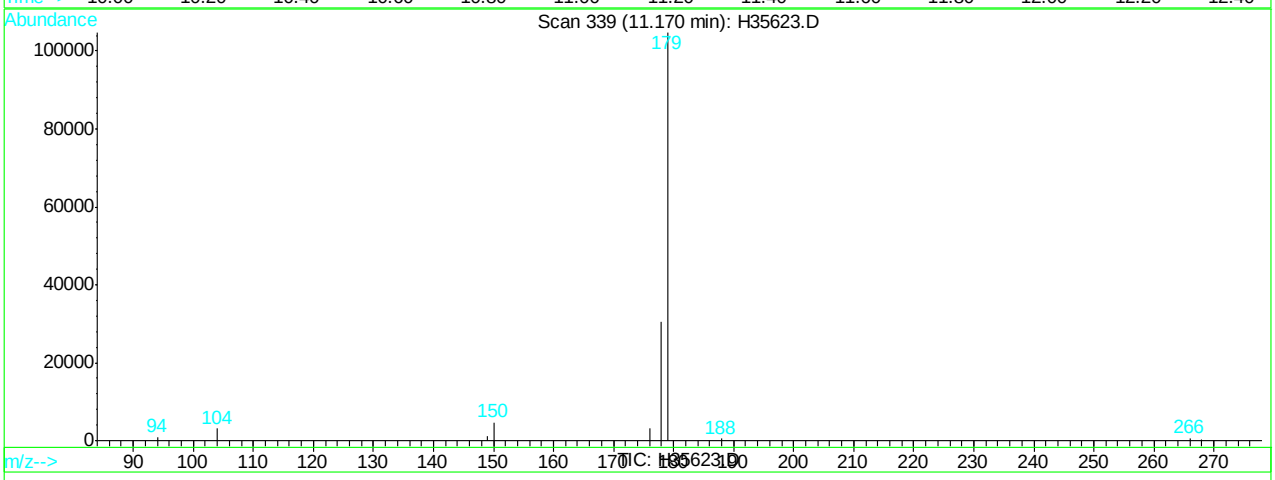
H35623.D H10269SP.M Tue Oct 27 14:56:52 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35623.D Vial: 15
Acq On : 26 Oct 2009 7:03 pm Operator: sheilac
Sample : t39513-8,10x Inst : TXMSH
Misc : OP13270,EH1921,1000,,,1,10,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 19:30 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(19) Anthracene (T)

11.17min 2.98ppb m

response 71628

Ion	Exp%	Act%
178.00	100	100
179.00	16.30	342.54#
176.00	18.20	10.16#
0.00	0.00	0.00

H35623.D H10269SP.M Tue Oct 27 14:56:56 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/27/09 17:17

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1921\H35624.D Vial: 16
Acq On : 26 Oct 2009 7:37 pm Operator: sheilac
Sample : t39513-8,40x Inst : TXMSH
Misc : OP13270,EH1921,1000,,,1,40,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 21:28 2009 Quant Results File: H10269SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 18:53:22 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.63	152	77697	4.00	ppb	0.00
4) Naphthalene-d8	7.57	136	57025	4.00	ppb	-0.14
9) Acenaphthene-d10	9.57	164	42967	4.00	ppb	-0.03
15) Phenanthrene-d10	11.09	188	93647	4.00	ppb	-0.02
21) Chrysene-d12	13.92	240	10193	4.00	ppb	0.02
26) Perylene-d12	16.43	264	4858	4.00	ppb	0.03

System Monitoring Compounds

5) Nitrobenzene-d5	0.00	82	0d	0.00	ppb	
Spiked Amount 5.000	Range 17 - 131		Recovery	=	0.00%#	
10) 2-Fluorobiphenyl	0.00	172	0d	0.00	ppb	
Spiked Amount 5.000	Range 15 - 137		Recovery	=	0.00%#	
16) 2,4,6-Tribromophenol	0.00	330	0d	0.00	ppb	
Spiked Amount 10.000	Range 10 - 123		Recovery	=	0.00%#	
23) Terphenyl-d14	12.66	244	11021	4.26	ppb	0.02
Spiked Amount 5.000	Range 10 - 160		Recovery	=	85.20%	

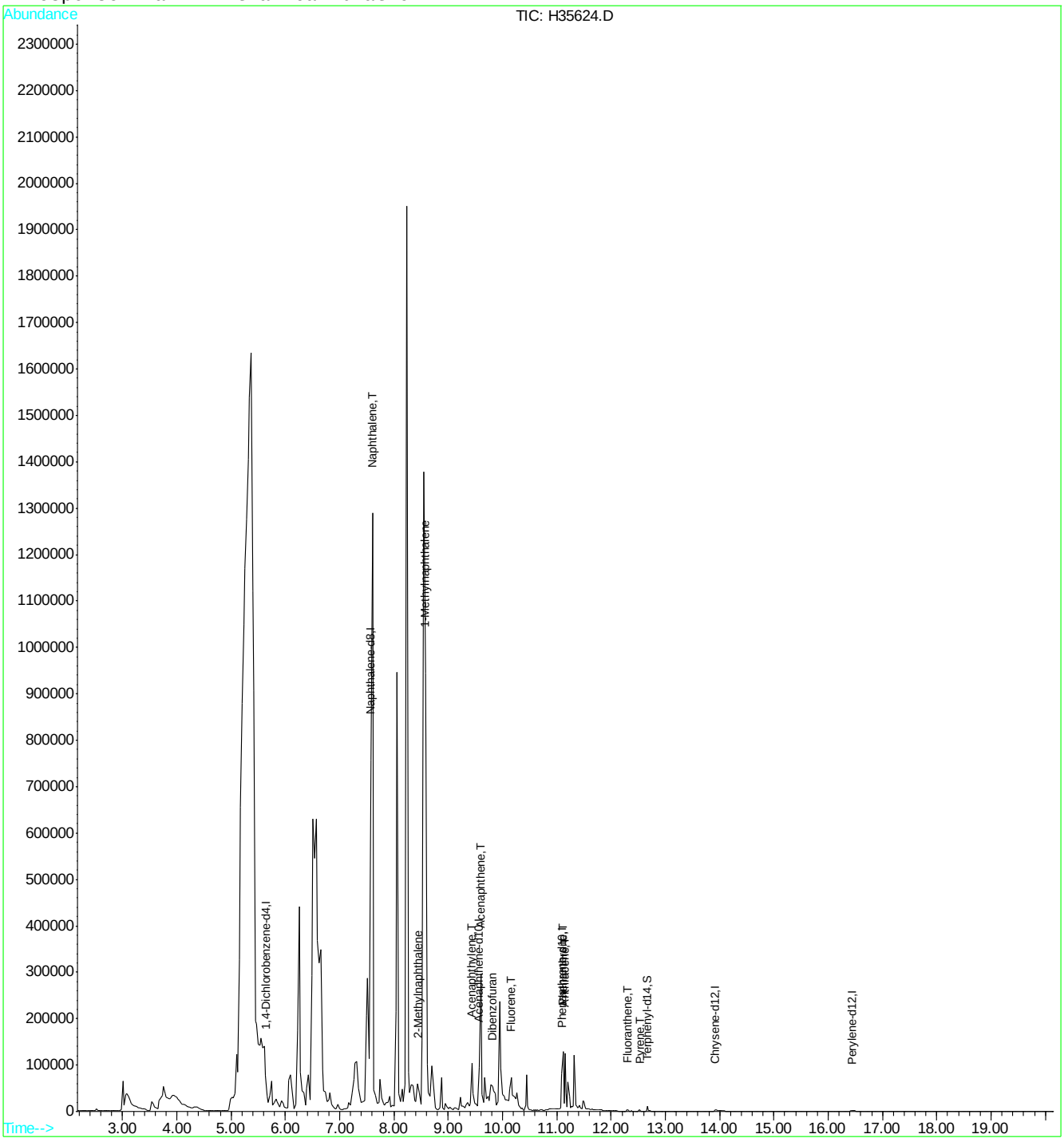
Target Compounds							Qvalue
6) Naphthalene	7.60	128	2446413	114.94	ppb	#	83
7) 2-Methylnaphthalene	8.44	142	39929	3.15	ppb	#	20
8) 1-Methylnaphthalene	8.58	142	2221680	67.16	ppb	#	6
11) Acenaphthylene	9.43	152	11112	0.58	ppb	#	5
12) Acenaphthene	9.60	153	194225	8.24	ppb	#	71
13) Dibenzofuran	9.81	168	74139	3.35	ppb	#	57
14) Fluorene	10.16	166	24301	1.71	ppb	#	53
18) Phenanthrene	11.11	178	104001m	2.76	ppb		
19) Anthracene	11.15	178	50357m	1.05	ppb		
20) Fluoranthene	12.29	202	5770	0.37	ppb	#	96
22) Pyrene	12.53	202	3644	0.35	ppb	#	91

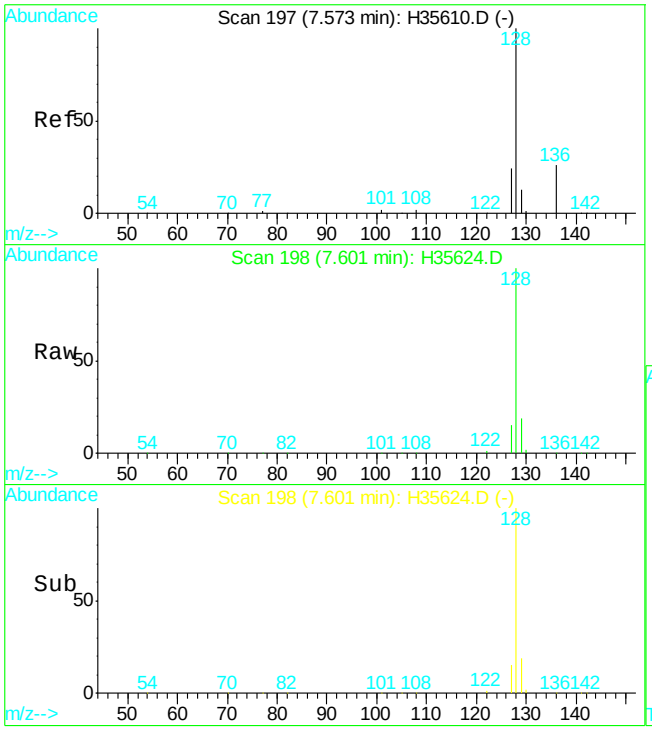
(#) = qualifier out of range (m) = manual integration
H35624.D H10269SP.M Tue Oct 27 14:58:43 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1921\H35624.D Vial: 16
Acq On : 26 Oct 2009 7:37 pm Operator: sheilac
Sample : t39513-8,40x Inst : TXMSH
Misc : OP13270,EH1921,1000,,,1,40,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 21:28 2009 Quant Results File: H10269SP.RES

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Initial Calibration

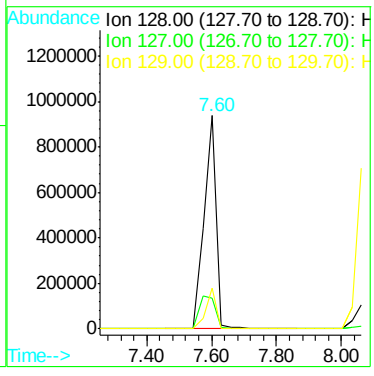


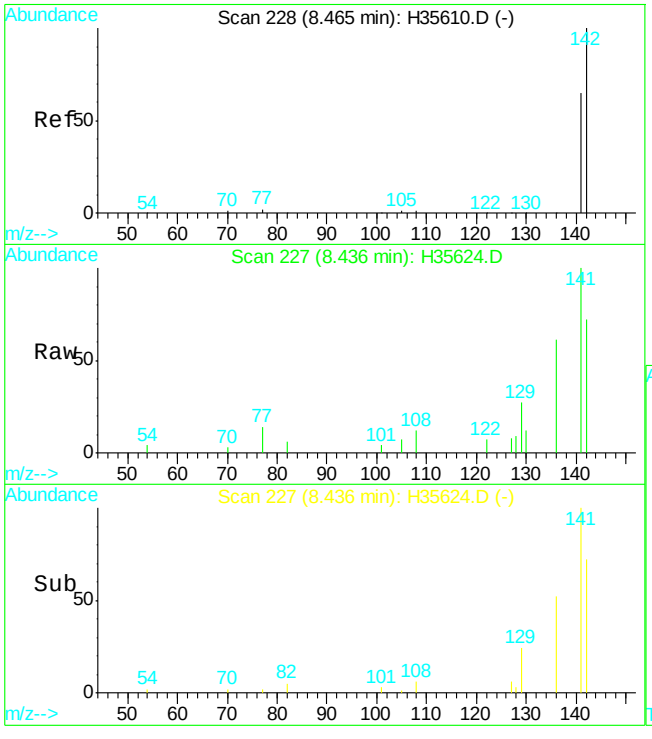


#6
Naphthalene
Concen: 114.94 ppb
RT: 7.60 min Scan# 198
Delta R.T. 0.03 min
Lab File: H35624.D
Acq: 26 Oct 2009 7:37 pm

Tgt Ion:128 Resp: 2446413

Ion	Ratio	Lower	Upper
128	100		
127	14.6	15.8	29.4#
129	18.9	8.5	15.9#

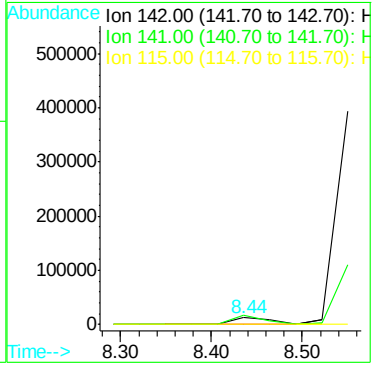


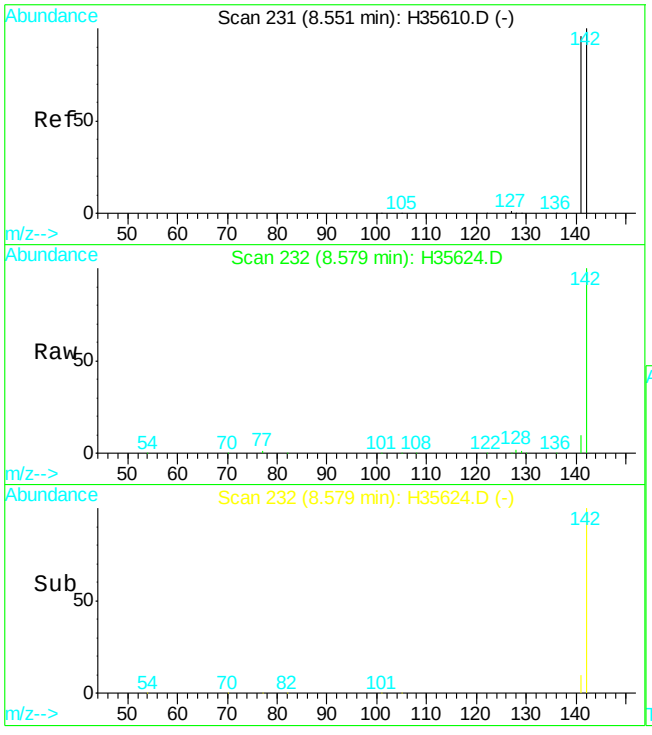


#7
2-Methylnaphthalene
Concen: 3.15 ppb
RT: 8.44 min Scan# 227
Delta R.T. -0.03 min
Lab File: H35624.D
Acq: 26 Oct 2009 7:37 pm

Tgt Ion:142 Resp: 39929

Ion	Ratio	Lower	Upper
142	100		
141	103.9	168.7	313.3#
115	0.0	0.0	0.0

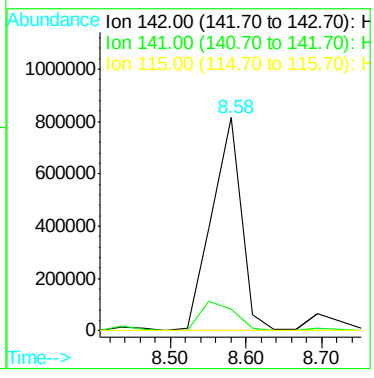


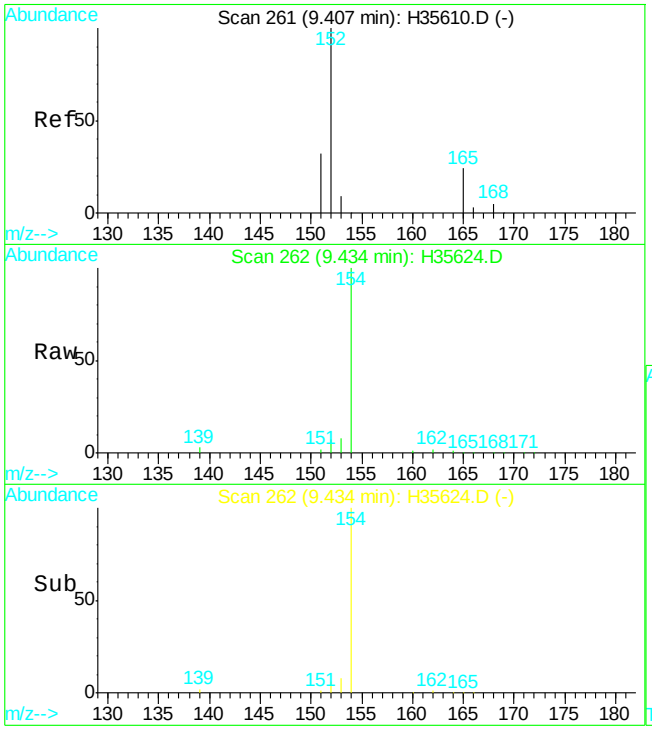


#8
1-Methylnaphthalene
Concen: 67.16 ppb
RT: 8.58 min Scan# 232
Delta R.T. 0.03 min
Lab File: H35624.D
Acq: 26 Oct 2009 7:37 pm

Tgt Ion:142 Resp: 2221680

Ion	Ratio	Lower	Upper
142	100		
141	16.2	85.3	158.3#
115	0.0	0.0	0.0

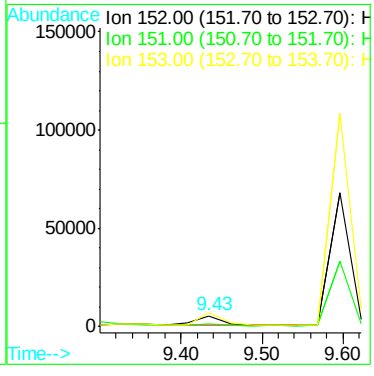


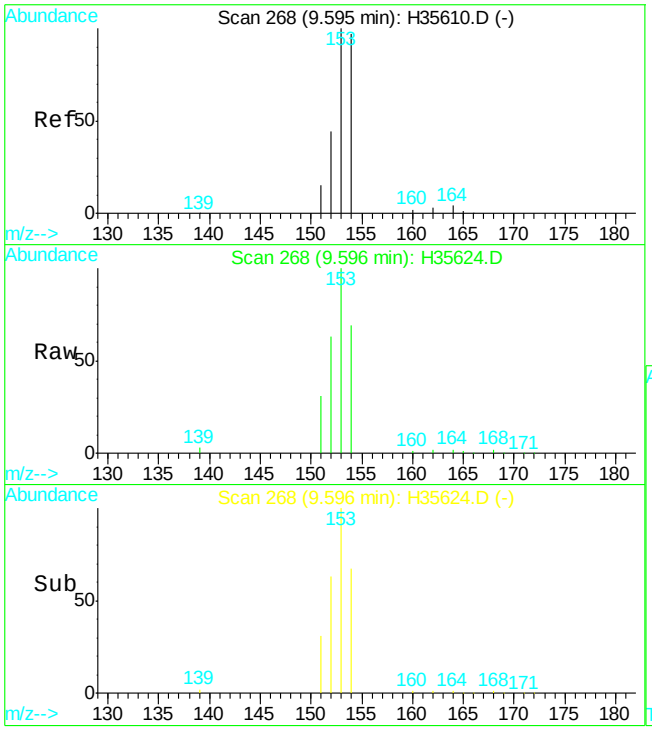


#11
Acenaphthylene
Concen: 0.58 ppb
RT: 9.43 min Scan# 262
Delta R.T. 0.00 min
Lab File: H35624.D
Acq: 26 Oct 2009 7:37 pm

Tgt Ion:152 Resp: 11112

Ion	Ratio	Lower	Upper
152	100		
151	14.2	22.8	42.4#
153	128.7	5.9	11.1#

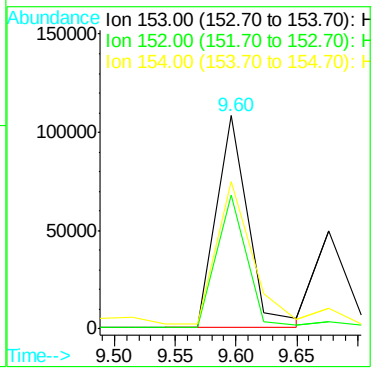


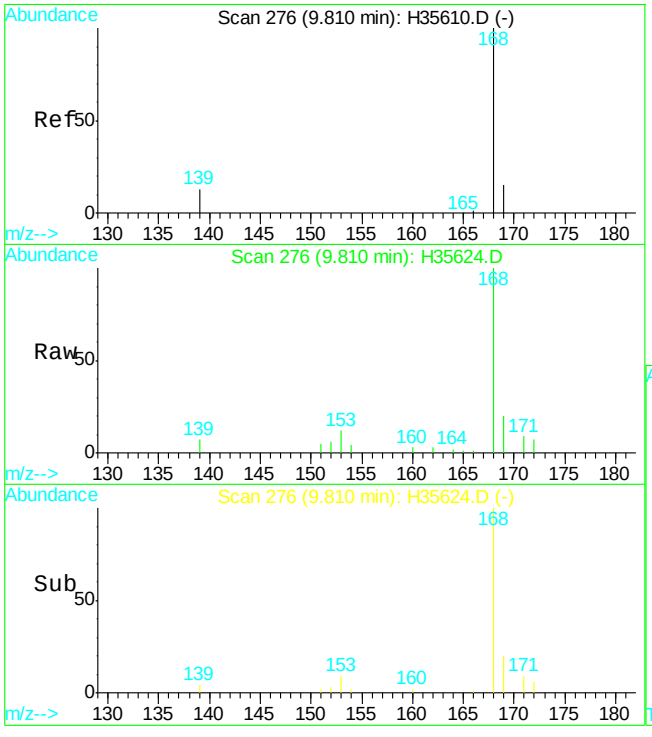


#12
Acenaphthene
Concen: 8.24 ppb
RT: 9.60 min Scan# 268
Delta R.T. -0.03 min
Lab File: H35624.D
Acq: 26 Oct 2009 7:37 pm

Tgt Ion:153 Resp: 194225

Ion	Ratio	Lower	Upper
153	100		
152	63.4	31.0	57.6#
154	67.7	67.6	125.6

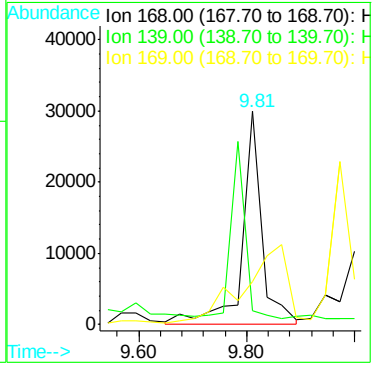


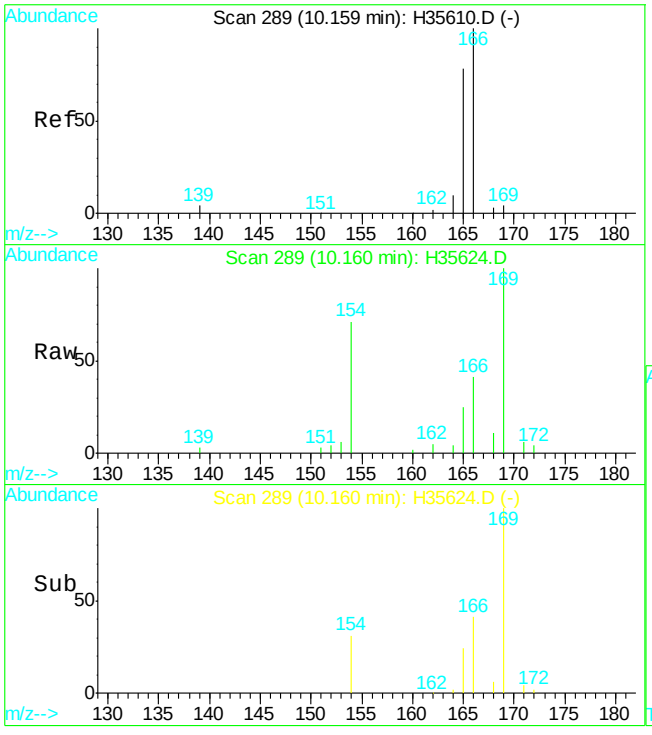


#13
Dibenzofuran
Concen: 3.35 ppb
RT: 9.81 min Scan# 276
Delta R.T. -0.03 min
Lab File: H35624.D
Acq: 26 Oct 2009 7:37 pm

Tgt Ion:168 Resp: 74139

Ion	Ratio	Lower	Upper
168	100		
139	60.7	37.9	70.5
169	83.9	10.6	19.6#

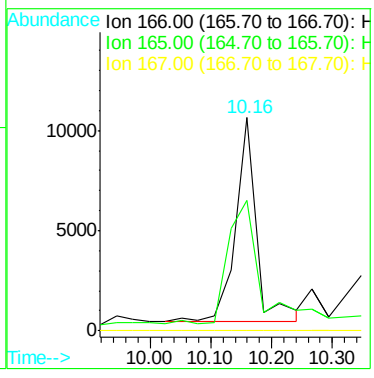


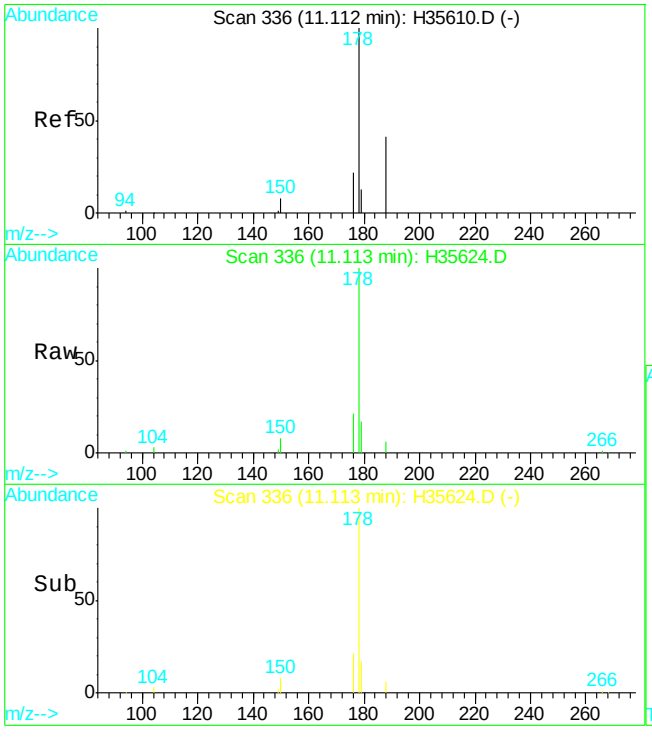


#14
Fluorene
Concen: 1.71 ppb
RT: 10.16 min Scan# 289
Delta R.T. -0.03 min
Lab File: H35624.D
Acq: 26 Oct 2009 7:37 pm

Tgt Ion:166 Resp: 24301

Ion	Ratio	Lower	Upper
166	100		
165	59.2	75.7	140.7#
167	0.0	0.0	0.0

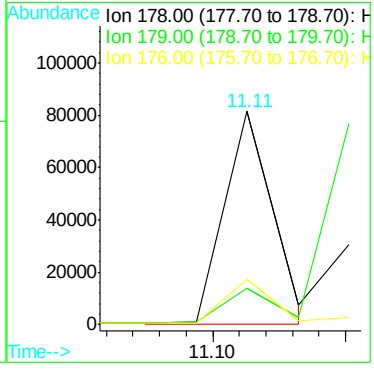


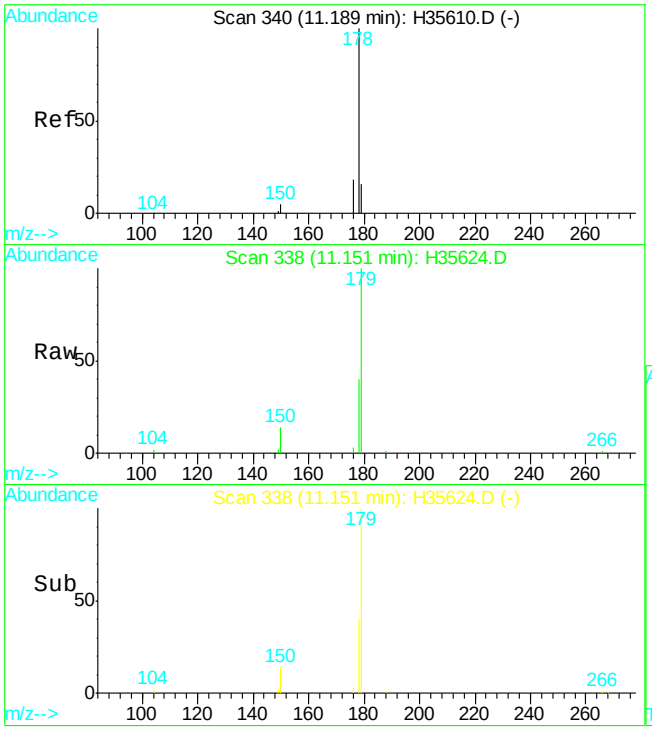


#18
Phenanthrene
Concen: 2.76 ppb m
RT: 11.11 min Scan# 336
Delta R.T. -0.02 min
Lab File: H35624.D
Acq: 26 Oct 2009 7:37 pm

Tgt Ion:178 Resp: 104001

Ion	Ratio	Lower	Upper
178	100		
179	17.2	9.0	16.8#
176	21.3	16.0	29.8

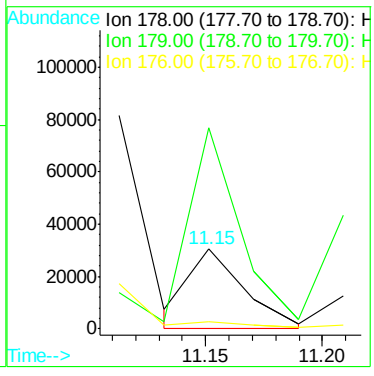


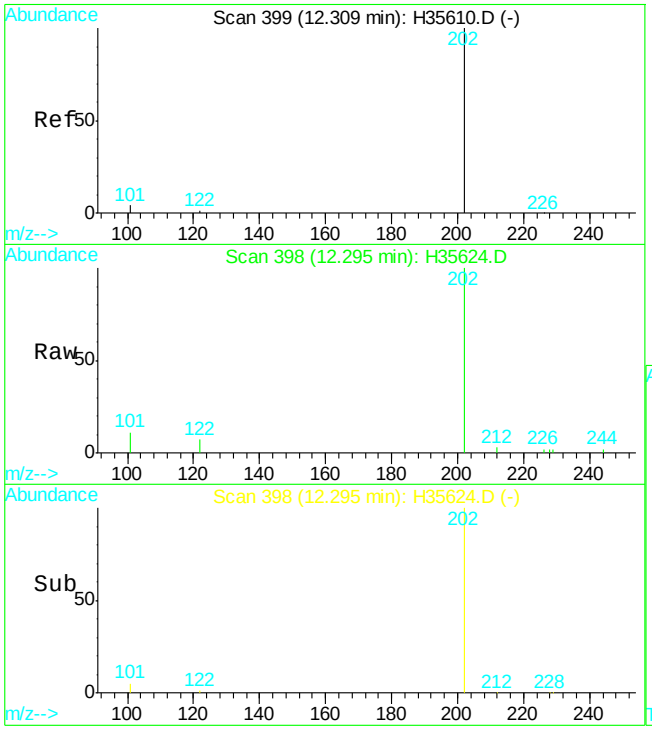


#19
Anthracene
Concen: 1.05 ppb m
RT: 11.15 min Scan# 338
Delta R.T. -0.06 min
Lab File: H35624.D
Acq: 26 Oct 2009 7:37 pm

Tgt Ion:178 Resp: 50357

Ion	Ratio	Lower	Upper
178	100		
179	252.8	11.4	21.2#
176	8.8	12.7	23.7#

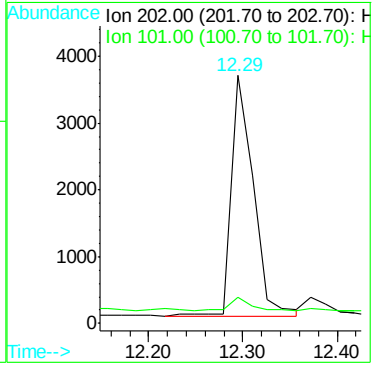


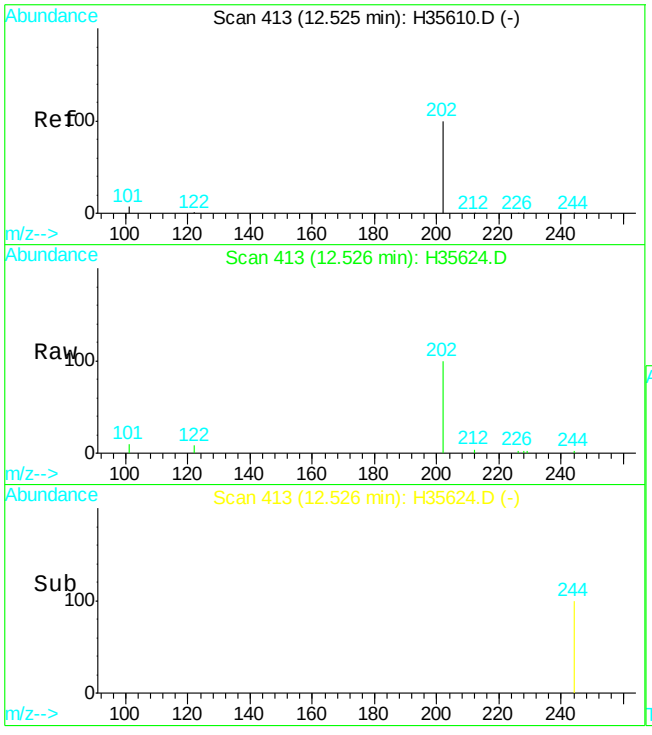


#20
Fluoranthene
Concen: 0.37 ppb
RT: 12.29 min Scan# 398
Delta R.T. -0.03 min
Lab File: H35624.D
Acq: 26 Oct 2009 7:37 pm

Tgt Ion:202 Resp: 5770

Ion	Ratio	Lower	Upper
202	100		
101	5.2	2.8	5.2#

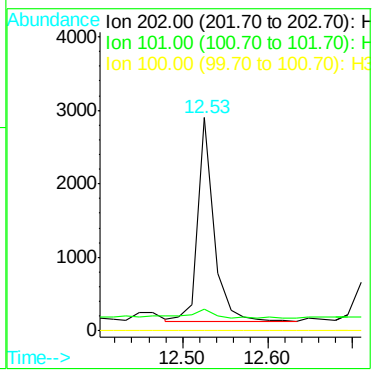




#22
Pyrene
Concen: 0.35 ppb
RT: 12.53 min Scan# 413
Delta R.T. 0.03 min
Lab File: H35624.D
Acq: 26 Oct 2009 7:37 pm

Tgt Ion:202 Resp: 3644

Ion	Ratio	Lower	Upper
202	100		
101	4.0	4.8	9.0#
100	0.0	0.0	0.0



8.1.30

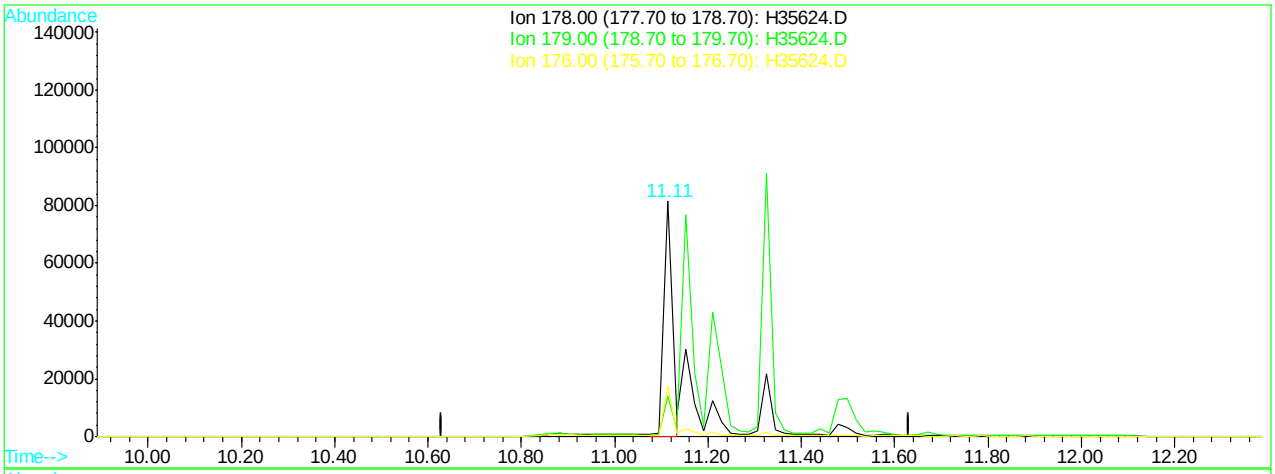
8

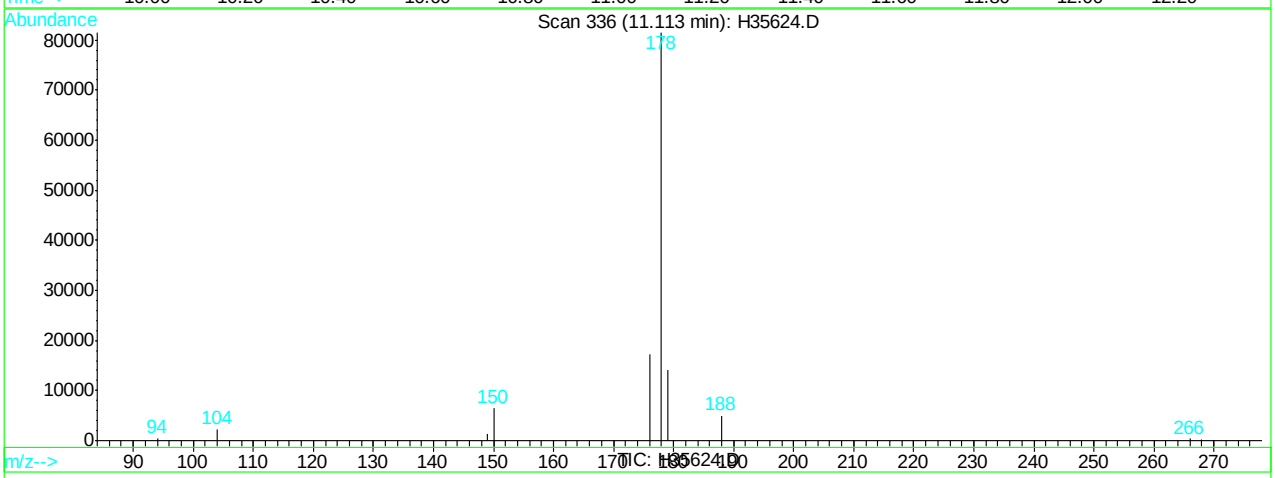
ACCUTEST Laboratories T39513

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35624.D Vial: 16
Acq On : 26 Oct 2009 7:37 pm Operator: sheilac
Sample : t39513-8,40x Inst : TXMSH
Misc : OP13270,EH1921,1000,,,1,40,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 21:28 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(18) Phenanthrene (T)

11.11min 2.76ppb m

response 104001

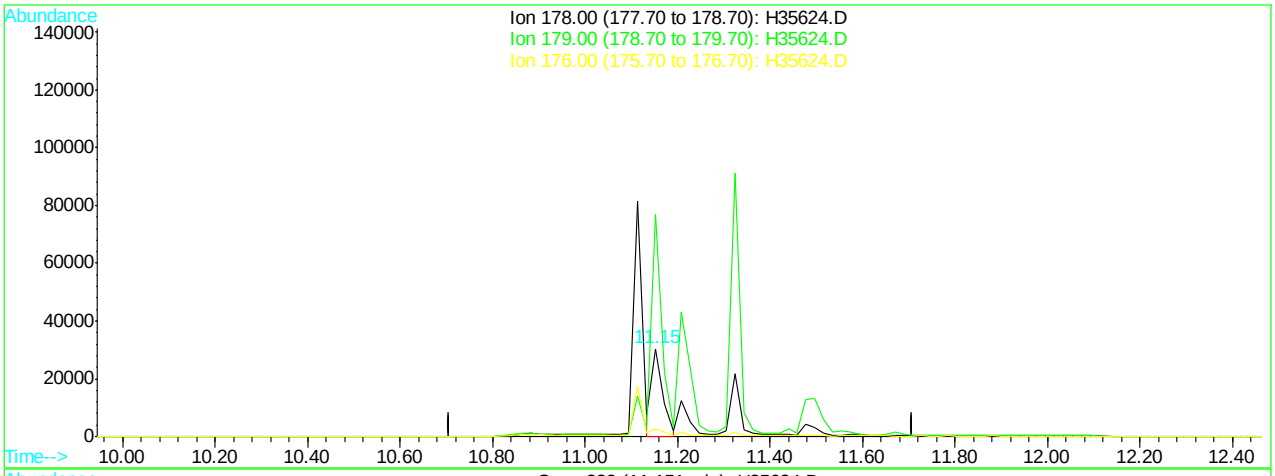
Ion	Exp%	Act%
178.00	100	100
179.00	12.90	17.19#
176.00	22.90	21.28
0.00	0.00	0.00

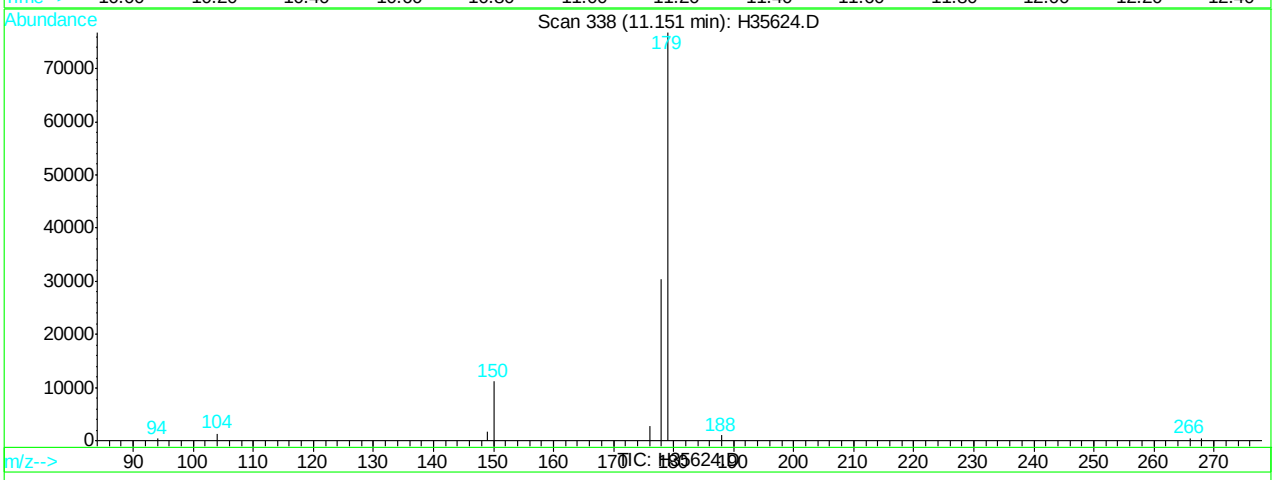
H35624.D H10269SP.M Tue Oct 27 14:59:12 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35624.D Vial: 16
Acq On : 26 Oct 2009 7:37 pm Operator: sheilac
Sample : t39513-8,40x Inst : TXMSH
Misc : OP13270,EH1921,1000,,,1,40,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 21:28 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(19) Anthracene (T)

11.15min 1.05ppb m

response 50357

Ion	Exp%	Act%
178.00	100	100
179.00	16.30	252.77#
176.00	18.20	8.81#
0.00	0.00	0.00

H35624.D H10269SP.M Tue Oct 27 14:59:16 2009

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13786.D
Acq On : 13 Oct 2009 11:59 am
Operator : sheilac
Sample : op13230-mb
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 13 12:25:51 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 16:33:16 2009
Response via : Initial Calibration

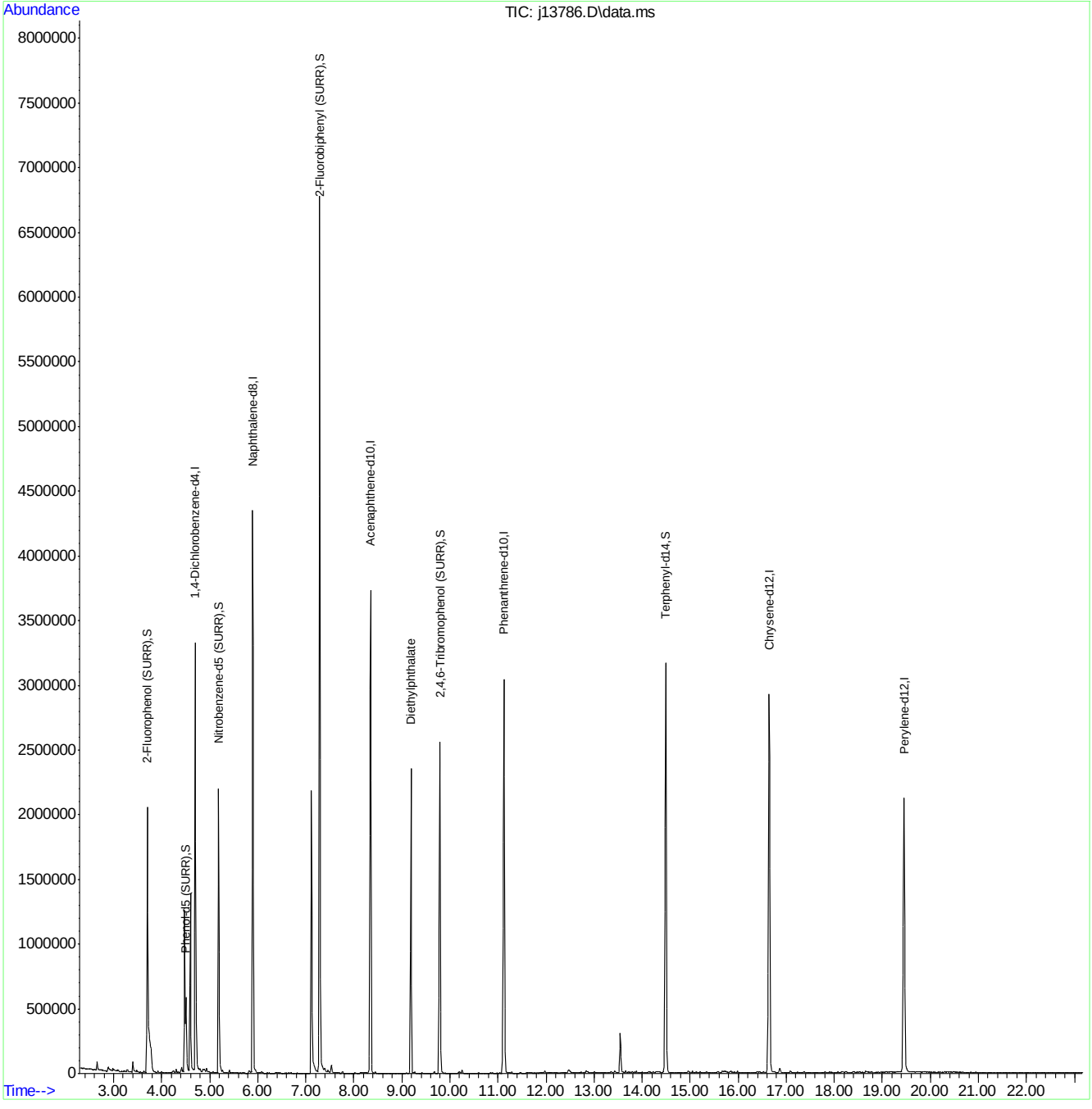
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.699	152	578111	40.00	ug/ml	-0.03
20) Naphthalene-d8	5.897	136	2116777	40.00	ug/ml	-0.05
36) Acenaphthene-d10	8.347	164	1236902	40.00	ug/ml	-0.07
57) Phenanthrene-d10	11.128	188	1909318	40.00	ug/ml	-0.07
71) Chrysene-d12	16.648	240	2091599	40.00	ug/ml	-0.09
80) Perylene-d12	19.456	264	1671743	40.00	ug/ml	-0.07
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.704	112	834226	45.98	ug/ml	0.03
Spiked Amount 100.000	Range 10 - 66		Recovery = 45.98%			
5) Phenol-d5 (SURR)	4.507	99	241154	10.64	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 53		Recovery = 10.64%			
21) Nitrobenzene-d5 (SURR)	5.186	82	803845	36.21	ug/ml	-0.11
Spiked Amount 50.000	Range 29 - 115		Recovery = 72.42%			
40) 2-Fluorobiphenyl (SURR)	7.288	172	1549318	31.06	ug/ml	-0.26
Spiked Amount 50.000	Range 34 - 113		Recovery = 62.12%			
62) 2,4,6-Tribromophenol (...	9.791	330	433299	67.45	ug/ml	-0.17
Spiked Amount 100.000	Range 32 - 128		Recovery = 67.45%			
74) Terphenyl-d14	14.492	244	1633042	32.70	ug/ml	-0.10
Spiked Amount 50.000	Range 12 - 145		Recovery = 65.40%			
Target Compounds						Qvalue
53) Diethylphthalate	9.192	149	652380	15.14	ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

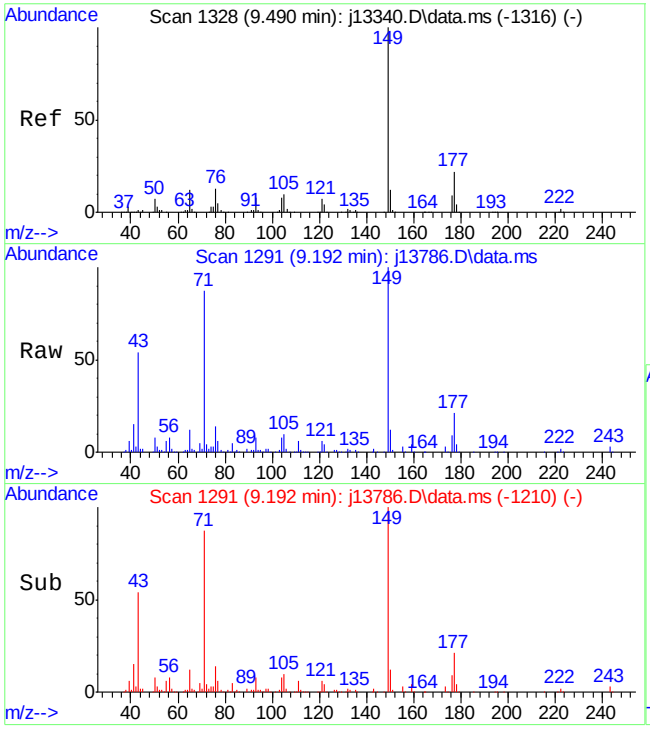
Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13786.D
Acq On : 13 Oct 2009 11:59 am
Operator : sheilac
Sample : op13230-mb
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 13 12:25:51 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 16:33:16 2009
Response via : Initial Calibration



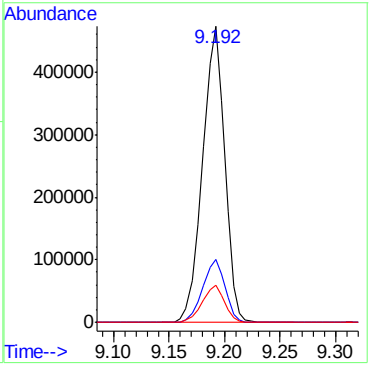
ACCUTEST Laboratories T39513



#53
Diethylphthalate
Concen: 15.14 ug/ml
RT: 9.192 min Scan# 1291
Delta R.T. -0.064 min
Lab File: j13786.D
Acq: 13 Oct 2009 11:59 am

Tgt Ion:149 Resp: 652380

Ion	Ratio	Lower	Upper
149	100		
177	21.4	2.2	42.2
150	12.4	0.0	32.2



8.2.1

8

LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13786.D
Acq On : 13 Oct 2009 11:59 am
Operator : sheilac
Sample : op13230-mb
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 4 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\ej615mg.m
Title :

Signal : TIC: j13786.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.399	205	208	221	rBV	82239	108600	1.13%	0.164%
2	3.704	262	265	290	rBV	2053485	3256708	33.74%	4.931%
3	4.480	406	410	413	rBV	1244819	1381067	14.31%	2.091%
4	4.507	413	415	425	rVB	566896	704095	7.30%	1.066%
5	4.597	427	432	443	rVB	1362179	1494521	15.48%	2.263%
6	4.699	447	451	464	rBV	3297471	3896959	40.38%	5.900%
7	5.186	537	542	554	rBV	2197703	2546235	26.38%	3.855%
8	5.897	669	675	684	rBV	4341021	4909695	50.87%	7.434%
9	7.117	897	903	928	rBV	2187229	3051458	31.62%	4.620%
10	7.293	928	936	951	rBV2	6764344	9651714	100.00%	14.613%
11	8.347	1125	1133	1146	rVB	3733449	5546810	57.47%	8.398%
12	9.192	1283	1291	1297	rBV	2354953	3325898	34.46%	5.036%
13	9.791	1392	1403	1420	rBV	2562670	4102204	42.50%	6.211%
14	11.128	1641	1653	1669	rBV2	3046692	5384696	55.79%	8.153%
15	13.546	2099	2105	2114	rBV	306220	516839	5.35%	0.783%
16	14.492	2269	2282	2295	rBV	3165579	5660139	58.64%	8.570%
17	16.648	2673	2685	2701	rBV	2926658	5830310	60.41%	8.827%
18	19.456	3198	3210	3228	rBV	2119225	4679314	48.48%	7.085%

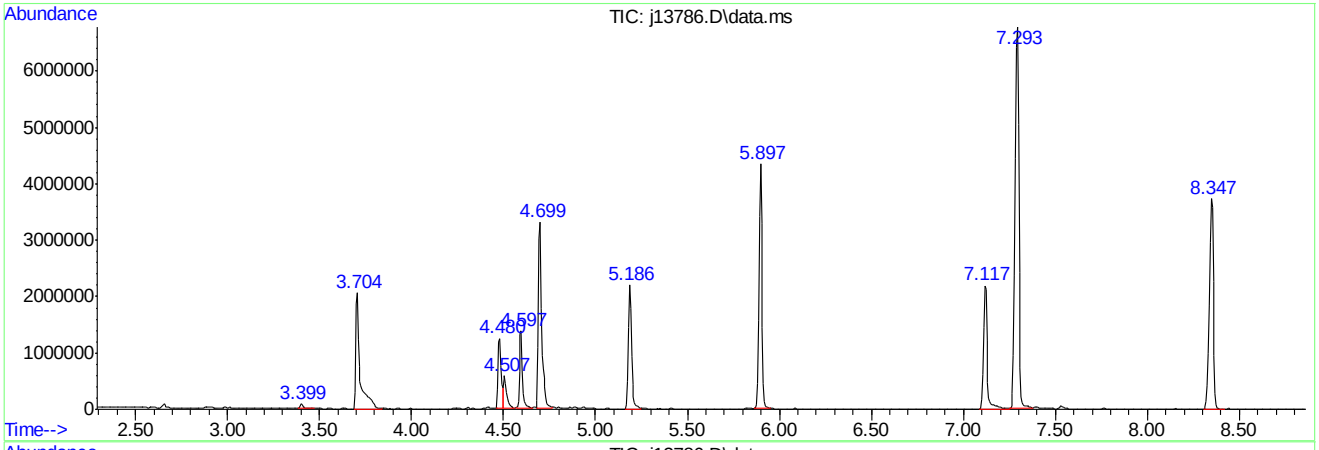
Sum of corrected areas: 66047262

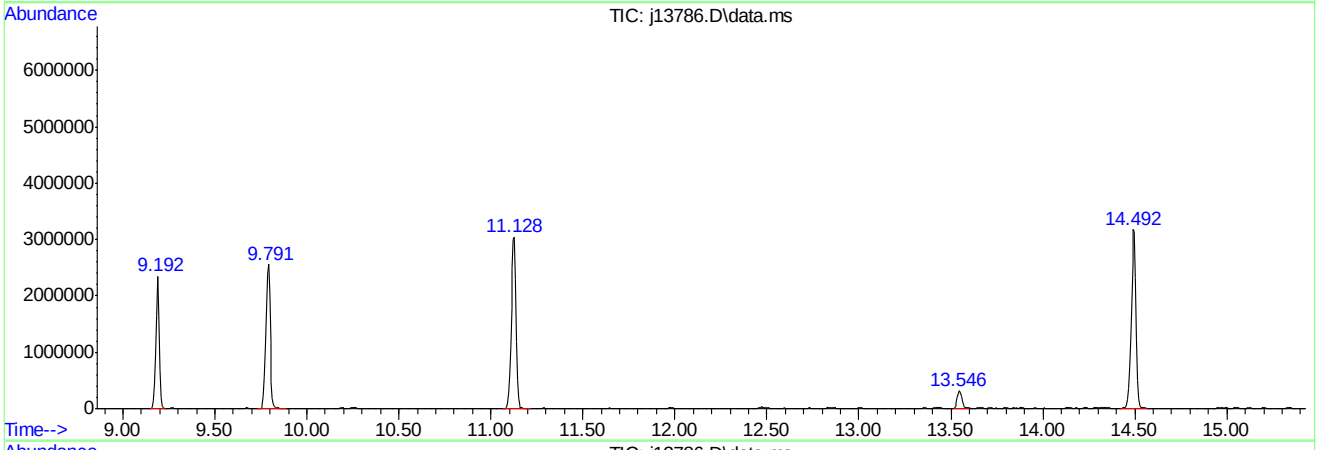
LSC Report - Integrated Chromatogram

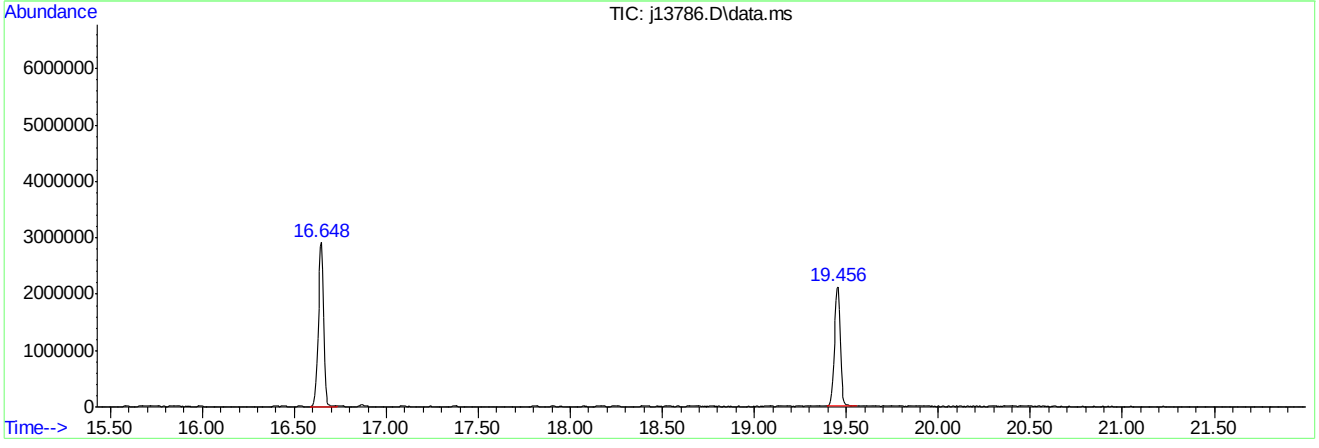
Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13786.D
Acq On : 13 Oct 2009 11:59 am
Operator : sheilac
Sample : op13230-mb
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 4 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P







Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13786.D
Acq On : 13 Oct 2009 11:59 am
Operator : sheilac
Sample : op13230-mb
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 4 Sample Multiplier: 1

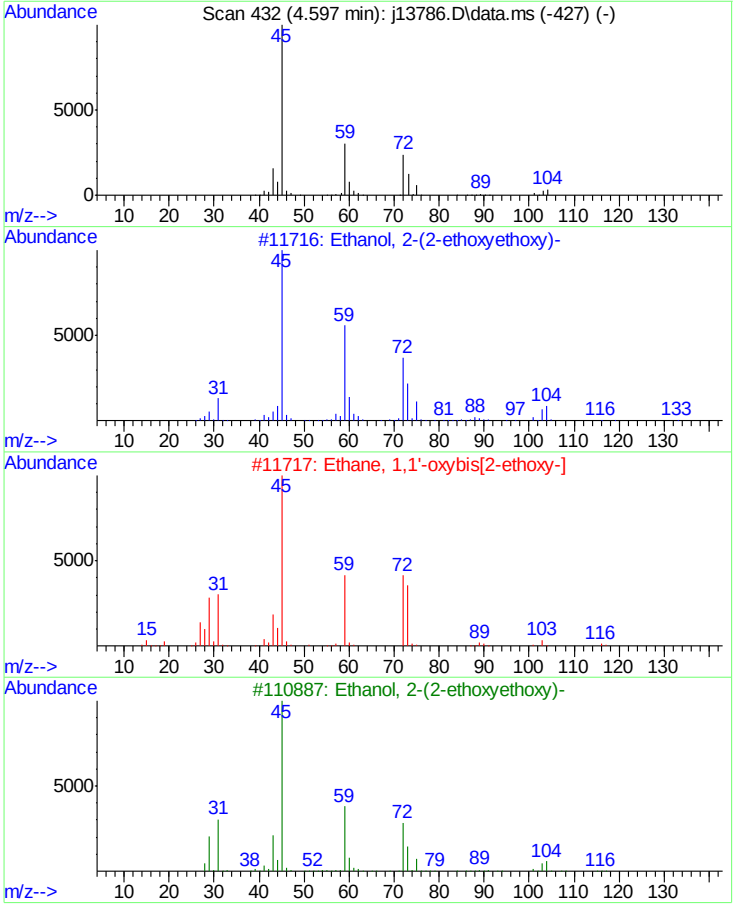
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

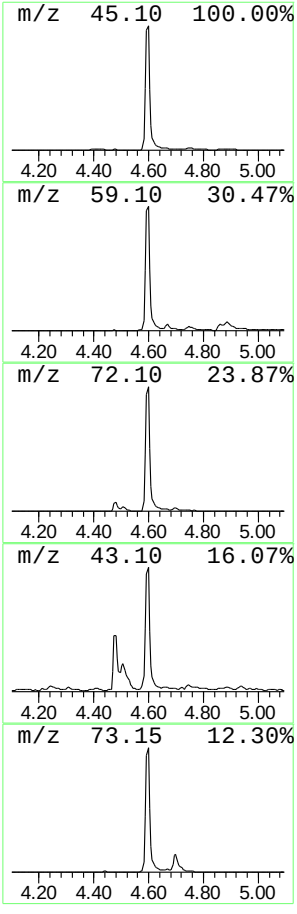
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Ethanol, 2-(2-ethoxyethoxy)- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.597	15.34 ug/ml	1494520	1,4-Dichlorobenzene-d4	4.699

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-ethoxyethoxy)-	134	C6H14O3	000111-90-0	64
2	Ethane, 1,1'-oxybis[2-ethoxy-]	162	C8H18O3	000112-36-7	56
3	Ethanol, 2-(2-ethoxyethoxy)-	134	C6H14O3	000111-90-0	53
4	Ethanol, 2-(2-ethoxyethoxy)-	134	C6H14O3	000111-90-0	53
5	2-Propanol, 1-(1-methylethoxy)-	118	C6H14O2	003944-36-3	45





Library Search Compound Report

```
Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13786.D
Acq On    : 13 Oct 2009  11:59 am
Operator  : sheilac
Sample    : op13230-mb
Misc      : op13230,Ej633,1000,,,1,1,water
ALS Vial  : 4   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

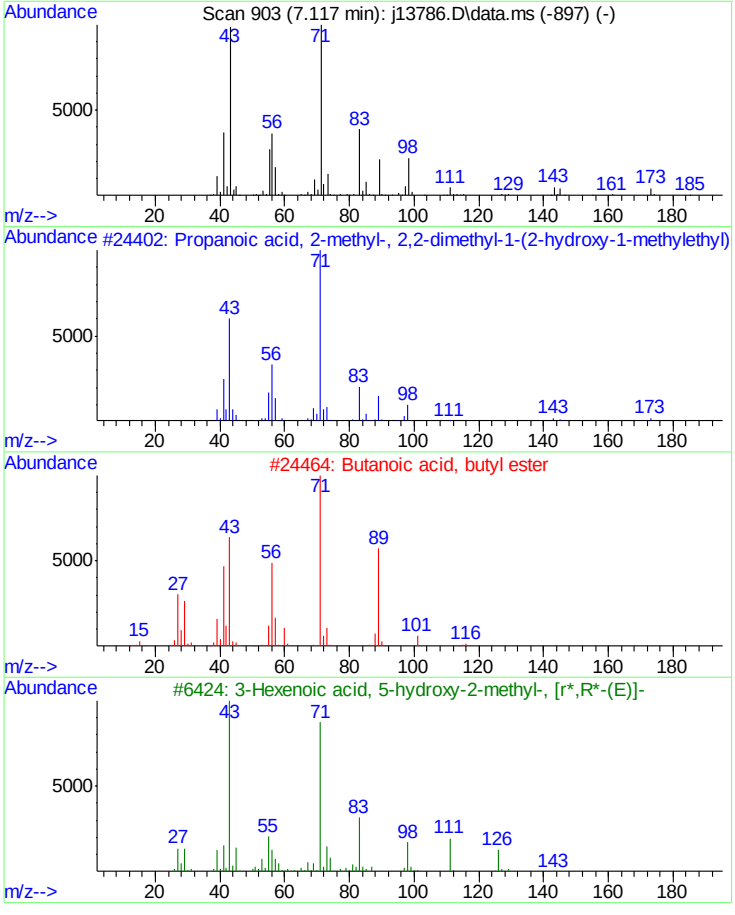
TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
```

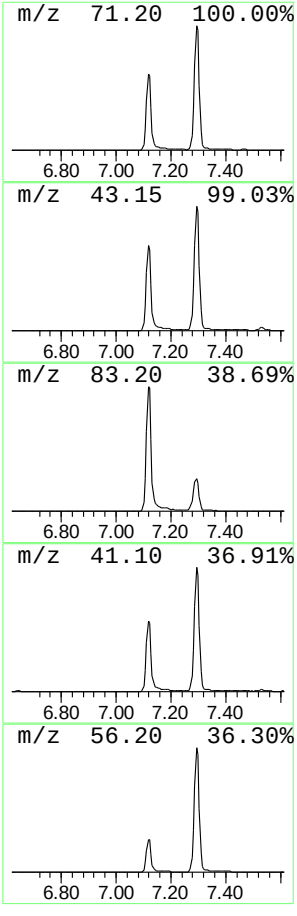
****

Peak Number 2 Propanoic acid, 2-methyl-, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.117	24.86 ug/ml	3051460	Naphthalene-d8	5.897

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-methyl-, 2,2-d...	216	C12H24O3	074367-33-2	59
2	Butanoic acid, butyl ester	144	C8H16O2	000109-21-7	47
3	3-Hexenoic acid, 5-hydroxy-2-met...	144	C7H12O3	110678-36-9	45
4	Propanoic acid, 2-methyl-, 2-met...	144	C8H16O2	000097-85-8	37
5	1-Hexene, 3,4,5-trimethyl-	126	C9H18	056728-10-0	37





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13786.D
Acq On : 13 Oct 2009 11:59 am
Operator : sheilac
Sample : op13230-mb
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 4 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
Ethanol, 2-(2-e...	4.597	15.3	ug/ml	1494520	1	4.699	3896960	40.0
Propanoic acid,...	7.117	24.9	ug/ml	3051460	2	5.897	4909700	40.0

8.2.2

8

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1918\H35520.D Vial: 9
Acq On : 21 Oct 2009 2:31 pm Operator: sheilac
Sample : op13270-mb Inst : TXMSH
Misc : OP13270,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 15:07 2009 Quant Results File: H10219SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10219SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Wed Oct 21 14:48:19 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.65	152	69791	4.00 ppb	0.00
4) Naphthalene-d8	7.56	136	64084	4.00 ppb	0.00
9) Acenaphthene-d10	9.57	164	39063	4.00 ppb	0.00
15) Phenanthrene-d10	11.09	188	59399	4.00 ppb	0.00
21) Chrysene-d12	13.89	240	35168	4.00 ppb	0.00
26) Perylene-d12	16.35	264	7436	4.00 ppb	0.00

System Monitoring Compounds

5) Nitrobenzene-d5	6.55	82	131499	47.85 ppb	0.00
Spiked Amount 5.000	Range 17 - 131		Recovery = 957.00%#		
10) 2-Fluorobiphenyl	8.87	172	1579499	60.02 ppb	0.00
Spiked Amount 5.000	Range 15 - 137		Recovery = 1200.40%#		
16) 2,4,6-Tribromophenol	10.40	330	283379	146.36 ppb	0.00
Spiked Amount 10.000	Range 10 - 123		Recovery = 1463.60%#		
23) Terphenyl-d14	12.66	244	369544	55.36 ppb	0.00
Spiked Amount 5.000	Range 10 - 160		Recovery = 1107.20%#		

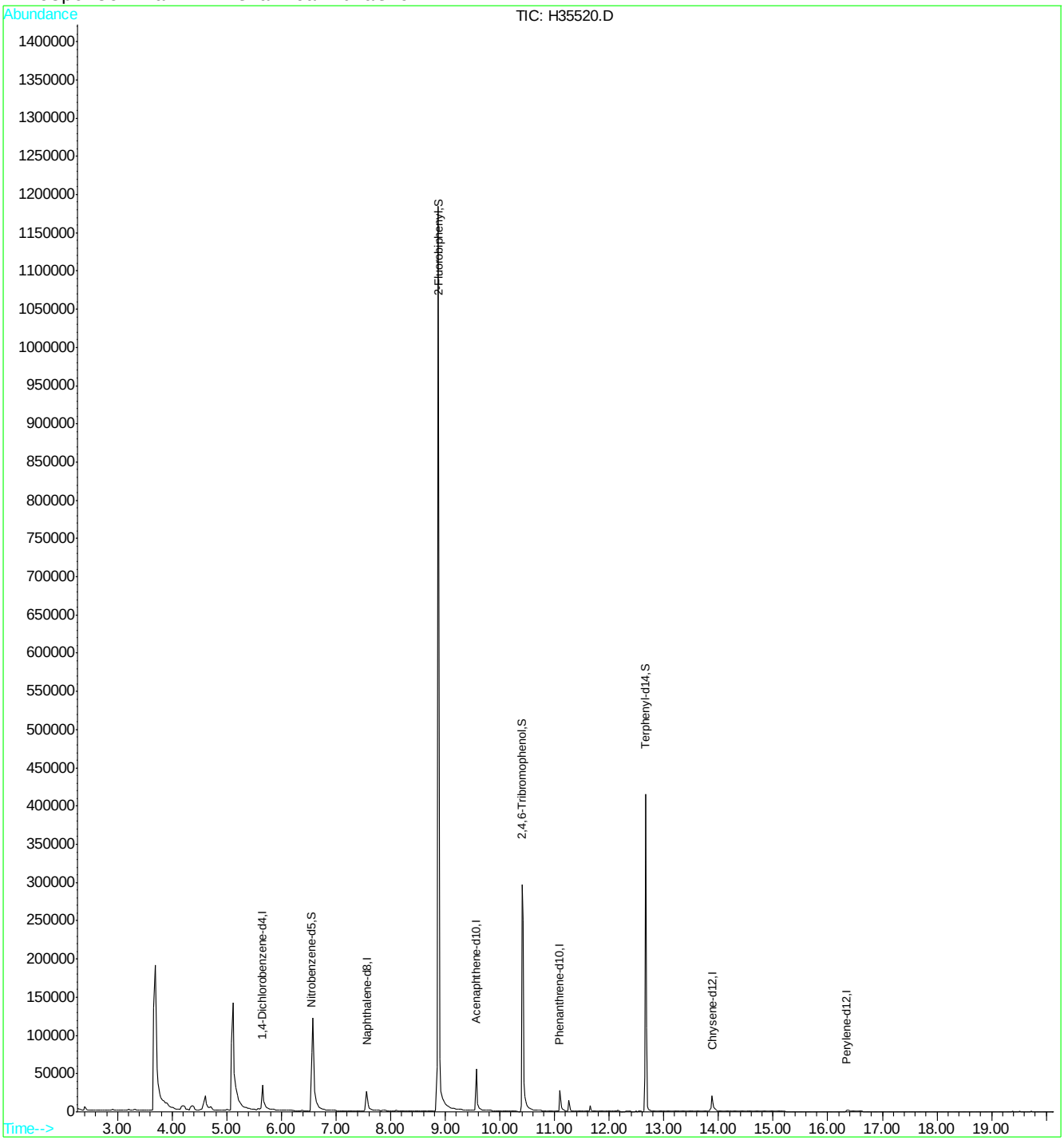
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration
H35520.D H10219SP.M Wed Oct 21 15:08:06 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1918\H35520.D Vial: 9
Acq On : 21 Oct 2009 2:31 pm Operator: sheilac
Sample : op13270-mb Inst : TXMSH
Misc : OP13270,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 15:07 2009 Quant Results File: H10219SP.RES

Method : C:\HPCHEM\1\METHODS\H10219SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Wed Oct 21 14:48:19 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13791.D
Acq On : 13 Oct 2009 2:25 pm
Operator : sheilac
Sample : op13230-bs,(8270)
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 14 12:22:34 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Oct 14 12:22:32 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.704	152	585680	40.00	ug/ml	-0.02
20) Naphthalene-d8	5.908	136	2331791	40.00	ug/ml	0.00
36) Acenaphthene-d10	8.363	164	1207031	40.00	ug/ml	-0.05
57) Phenanthrene-d10	11.139	188	1813814	40.00	ug/ml	-0.06
71) Chrysene-d12	16.664	240	1659011	40.00	ug/ml	-0.07
80) Perylene-d12	19.461	264	933588	40.00	ug/ml	-0.06
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.710	112	808352	43.98	ug/ml	0.03
Spiked Amount 100.000	Range 10 - 66		Recovery = 43.98%			
5) Phenol-d5 (SURR)	4.480	99	673073	29.30	ug/ml	-0.02
Spiked Amount 100.000	Range 10 - 53		Recovery = 29.30%			
21) Nitrobenzene-d5 (SURR)	5.197	82	867288	35.47	ug/ml	-0.10
Spiked Amount 50.000	Range 29 - 115		Recovery = 70.94%			
40) 2-Fluorobiphenyl (SURR)	7.299	172	1806061	38.41	ug/ml	-0.24
Spiked Amount 50.000	Range 34 - 113		Recovery = 76.82%			
62) 2,4,6-Tribromophenol (...	9.812	330	537452	88.07	ug/ml	-0.15
Spiked Amount 100.000	Range 32 - 128		Recovery = 88.07%			
74) Terphenyl-d14	14.503	244	1730889	43.69	ug/ml	-0.09
Spiked Amount 50.000	Range 12 - 145		Recovery = 87.38%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.447	74	194149	19.72	ug/ml	89
3) Pyridine	2.437	79	105798	6.09	ug/ml	99
6) Phenol	4.496	94	389944	15.69	ug/ml#	79
7) Aniline	4.453	93	430752	16.35	ug/ml	96
8) bis(2-Chloroethyl)ether	4.501	93	775360	31.82	ug/ml	98
9) 2-Chlorophenol	4.560	128	674784	35.00	ug/ml	99
10) 1,3-Dichlorobenzene	4.656	146	592515	27.12	ug/ml	98
11) 1,4-Dichlorobenzene	4.715	146	640371	27.33	ug/ml	88
12) Benzyl Alcohol	4.849	108	373467	27.80	ug/ml	97
13) 1,2-Dichlorobenzene	4.844	146	616671	28.05	ug/ml	100
14) 2-Methylphenol	4.972	108	506570	29.07	ug/ml	100
15) bis(2-chloroisopropyl)...	4.940	45	1070425	34.69	ug/ml	98
16) 4-Methylphenol	5.106	108	1023415	55.51	ug/ml#	67
17) m+p-Cresols	5.106	108	1023415	55.51	ug/ml#	67
18) n-Nitroso-di-n-propyla...	5.074	70	648926	38.81	ug/ml	99
19) Hexachloroethane	5.138	117	218879	25.60	ug/ml	100
22) Nitrobenzene	5.213	77	832950	34.68	ug/ml	98
23) Isophorone	5.443	82	1550882	35.17	ug/ml	100
24) 2-Nitrophenol	5.517	139	370064	33.51	ug/ml	96
25) 2,4-Dimethylphenol	5.587	122	426265	23.34	ug/ml	97
26) bis(2-Chloroethoxy)met...	5.651	93	822925	33.86	ug/ml	100
27) Benzoic Acid	5.742	105	159565	17.60	ug/ml	95
28) 2,4-Dichlorophenol	5.790	162	544441	33.90	ug/ml	100
29) 1,2,4-Trichlorobenzene	5.844	180	495708	25.65	ug/ml	99
30) Naphthalene	5.929	128	1897353	29.88	ug/ml	98
31) 4-Chloroaniline	5.999	127	494656	22.96	ug/ml	94
32) Hexachlorobutadiene	6.074	225	289455	23.85	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13791.D
Acq On : 13 Oct 2009 2:25 pm
Operator : sheilac
Sample : op13230-bs,(8270)
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 14 12:22:34 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Oct 14 12:22:32 2009
Response via : Initial Calibration

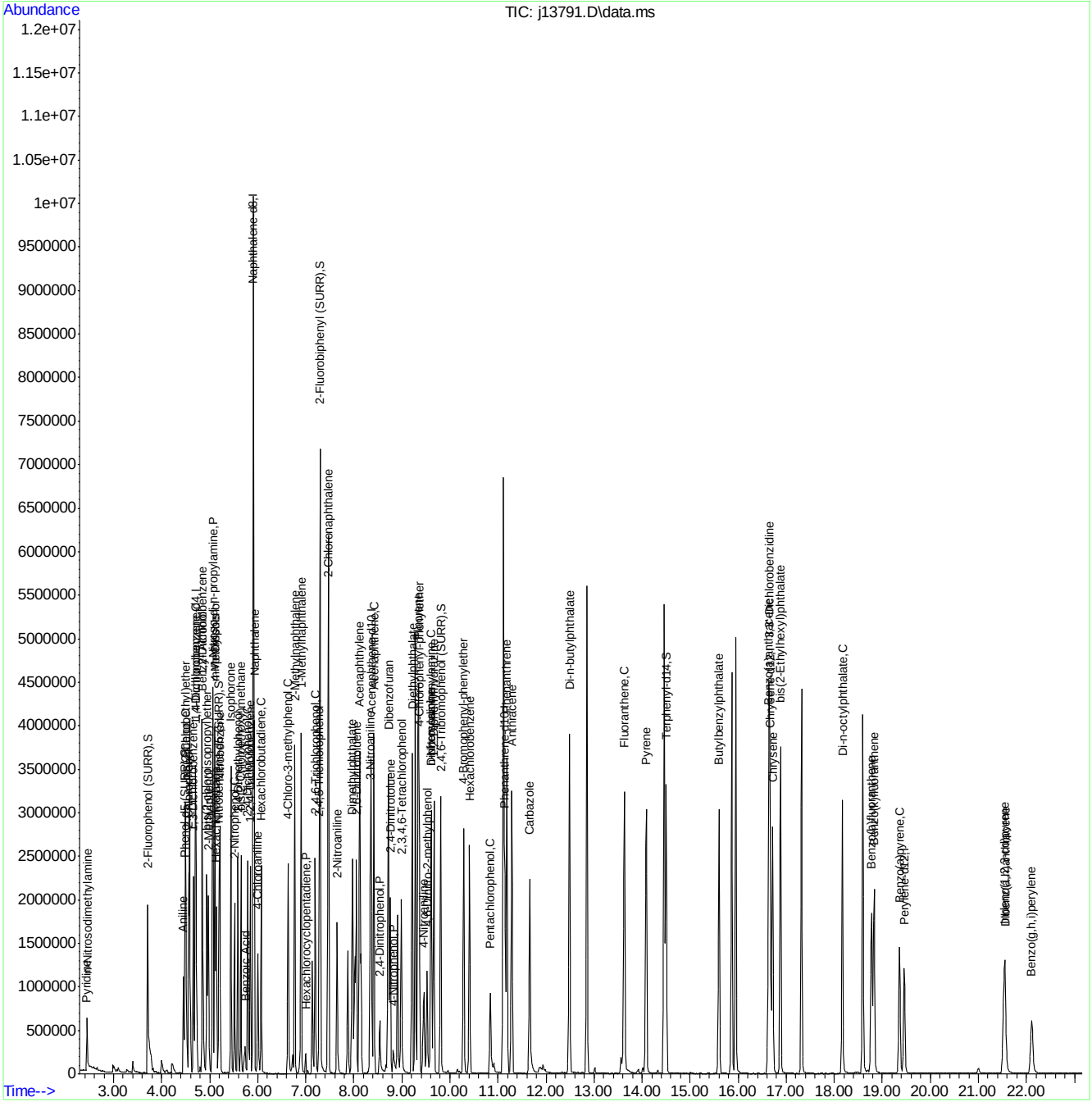
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 4-Chloro-3-methylphenol	6.630	107	651616	35.92	ug/ml	99
34) 2-Methylnaphthalene	6.769	142	1282833	33.06	ug/ml	99
35) 1-Methylnaphthalene	6.903	142	1263677	31.10	ug/ml	99
37) Hexachlorocyclopentadiene	6.999	237	36888	12.63	ug/ml	97
38) 2,4,6-Trichlorophenol	7.197	196	408116	40.52	ug/ml	100
39) 2,4,5-Trichlorophenol	7.277	196	446595	37.96	ug/ml	99
41) 2-Chloronaphthalene	7.464	162	1280576	37.97	ug/ml	98
42) 2-Nitroaniline	7.652	65	508897	44.88	ug/ml	97
43) Dimethylphthalate	7.972	163	1789849	44.16	ug/ml	100
44) Acenaphthylene	8.122	152	2254926	39.45	ug/ml	100
45) 2,6-Dinitrotoluene	8.058	165	406202	42.59	ug/ml#	81
46) 3-Nitroaniline	8.347	138	344904	39.33	ug/ml	96
47) Acenaphthene	8.422	154	1320750	39.33	ug/ml	100
48) 2,4-Dinitrophenol	8.539	184	148281	48.45	ug/ml	95
49) 4-Nitrophenol	8.823	65	98484	19.79	ug/ml	89
50) Dibenzofuran	8.721	168	1971761	41.10	ug/ml	99
51) 2,4-Dinitrotoluene	8.759	165	530134	46.42	ug/ml	97
52) 2,3,4,6-Tetrachlorophenol	8.989	232	365658	41.23	ug/ml	99
53) Diethylphthalate	9.219	149	1993901	47.41	ug/ml	99
54) Fluorene	9.342	166	1739874	41.61	ug/ml	99
55) 4-Chlorophenyl-phenyle...	9.363	204	825001	38.77	ug/ml	98
56) 4-Nitroaniline	9.459	138	297656	43.60	ug/ml	93
58) 1,2-Diphenylhydrazine	9.668	77	1958951	42.47	ug/ml	99
59) 4,6-Dinitro-2-methylph...	9.524	198	243476	42.33	ug/ml	100
60) Diphenylamine	9.609	169	1225618	36.11	ug/ml	100
61) n-Nitrosodiphenylamine	9.609	169	1225618	36.11	ug/ml	100
63) 4-Bromophenyl-phenylether	10.288	248	476114	41.58	ug/ml	98
64) Hexachlorobenzene	10.411	284	545635	43.73	ug/ml	97
65) Pentachlorophenol	10.839	266	195350	46.03	ug/ml	98
66) Phenanthrene	11.187	178	2341484	43.33	ug/ml	100
67) Anthracene	11.289	178	2224745	42.76	ug/ml	100
68) Carbazole	11.663	167	1842697	43.99	ug/ml	99
69) Di-n-butylphthalate	12.492	149	3162369	48.73	ug/ml	99
70) Fluoranthene	13.631	202	2443494	49.87	ug/ml	99
73) Pyrene	14.086	202	2405835	41.16	ug/ml	100
75) Butylbenzylphthalate	15.605	149	1171083	44.98	ug/ml	99
76) Benzo(a)anthracene	16.637	228	2202997	47.20	ug/ml	99
77) 3,3'-Dichlorobenzidine	16.648	252	467358	40.86	ug/ml	98
78) Chrysene	16.717	228	1911000	48.58	ug/ml	100
79) bis(2-Ethylhexyl)phtha...	16.883	149	1626292	46.49	ug/ml	98
81) Di-n-octylphthalate	18.172	149	2381089	48.83	ug/ml	100
82) Benzo(b)fluoranthene	18.777	252	1520842	49.29	ug/ml	96
83) Benzo(k)fluoranthene	18.830	252	1557595	55.27	ug/ml	99
84) Benzo(a)pyrene	19.360	252	1189502	45.16	ug/ml#	10
85) Indeno(1,2,3-cd)pyrene	21.537	276	1141889	51.41	ug/ml	97
86) Dibenz(a,h)anthracene	21.558	278	951230	51.60	ug/ml	97
87) Benzo(g,h,i)perylene	22.109	276	828721	49.39	ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13791.D
Acq On : 13 Oct 2009 2:25 pm
Operator : sheilac
Sample : op13230-bs,(8270)
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 14 12:22:34 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Oct 14 12:22:32 2009
Response via : Initial Calibration



ACCUTEST Laboratories T39513

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13792.D
Acq On : 13 Oct 2009 2:55 pm
Operator : sheilac
Sample : op13230-bsd,(8270)
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 14 12:22:44 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Oct 14 12:22:32 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.699	152	546438	40.00	ug/ml	-0.03
20) Naphthalene-d8	5.908	136	2211198	40.00	ug/ml	0.00
36) Acenaphthene-d10	8.363	164	1170125	40.00	ug/ml	-0.05
57) Phenanthrene-d10	11.139	188	1851081	40.00	ug/ml	-0.06
71) Chrysene-d12	16.664	240	1596670	40.00	ug/ml	-0.07
80) Perylene-d12	19.456	264	909364	40.00	ug/ml	-0.07
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.710	112	759927	44.32	ug/ml	0.03
Spiked Amount 100.000	Range 10 - 66		Recovery = 44.32%			
5) Phenol-d5 (SURR)	4.480	99	638349	29.78	ug/ml	-0.02
Spiked Amount 100.000	Range 10 - 53		Recovery = 29.78%			
21) Nitrobenzene-d5 (SURR)	5.197	82	828930	35.75	ug/ml	-0.10
Spiked Amount 50.000	Range 29 - 115		Recovery = 71.50%			
40) 2-Fluorobiphenyl (SURR)	7.299	172	1730257	37.96	ug/ml	-0.24
Spiked Amount 50.000	Range 34 - 113		Recovery = 75.92%			
62) 2,4,6-Tribromophenol (...	9.812	330	539817	86.67	ug/ml	-0.15
Spiked Amount 100.000	Range 32 - 128		Recovery = 86.67%			
74) Terphenyl-d14	14.503	244	1789877	46.95	ug/ml	-0.09
Spiked Amount 50.000	Range 12 - 145		Recovery = 93.90%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.447	74	156100	17.00	ug/ml#	73
3) Pyridine	2.442	79	103977	6.42	ug/ml	98
6) Phenol	4.496	94	370090	15.96	ug/ml#	78
7) Aniline	4.453	93	395693	16.14	ug/ml	95
8) bis(2-Chloroethyl)ether	4.496	93	739564	32.53	ug/ml	98
9) 2-Chlorophenol	4.560	128	635377	35.32	ug/ml	99
10) 1,3-Dichlorobenzene	4.656	146	563391	27.64	ug/ml	99
11) 1,4-Dichlorobenzene	4.715	146	600805	27.48	ug/ml	88
12) Benzyl Alcohol	4.849	108	352598	28.13	ug/ml	97
13) 1,2-Dichlorobenzene	4.844	146	582816	28.41	ug/ml	99
14) 2-Methylphenol	4.972	108	479311	29.48	ug/ml	99
15) bis(2-chloroisopropyl)...	4.940	45	1014827	35.24	ug/ml	98
16) 4-Methylphenol	5.106	108	978706	56.90	ug/ml#	66
17) m+p-Cresols	5.106	108	978706	56.90	ug/ml#	66
18) n-Nitroso-di-n-propyla...	5.074	70	614743	39.40	ug/ml	99
19) Hexachloroethane	5.138	117	207322	25.99	ug/ml	100
22) Nitrobenzene	5.213	77	794604	34.89	ug/ml	98
23) Isophorone	5.443	82	1477387	35.33	ug/ml	99
24) 2-Nitrophenol	5.517	139	354878	33.89	ug/ml	97
25) 2,4-Dimethylphenol	5.587	122	400849	23.15	ug/ml	96
26) bis(2-Chloroethoxy)met...	5.651	93	780844	33.88	ug/ml	100
27) Benzoic Acid	5.742	105	159087	18.50	ug/ml	95
28) 2,4-Dichlorophenol	5.790	162	517364	33.97	ug/ml	100
29) 1,2,4-Trichlorobenzene	5.844	180	472429	25.78	ug/ml	100
30) Naphthalene	5.929	128	1814792	30.13	ug/ml	98
31) 4-Chloroaniline	5.999	127	506056	24.54	ug/ml	97
32) Hexachlorobutadiene	6.074	225	275252	23.92	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13792.D
Acq On : 13 Oct 2009 2:55 pm
Operator : sheilac
Sample : op13230-bsd,(8270)
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 14 12:22:44 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Oct 14 12:22:32 2009
Response via : Initial Calibration

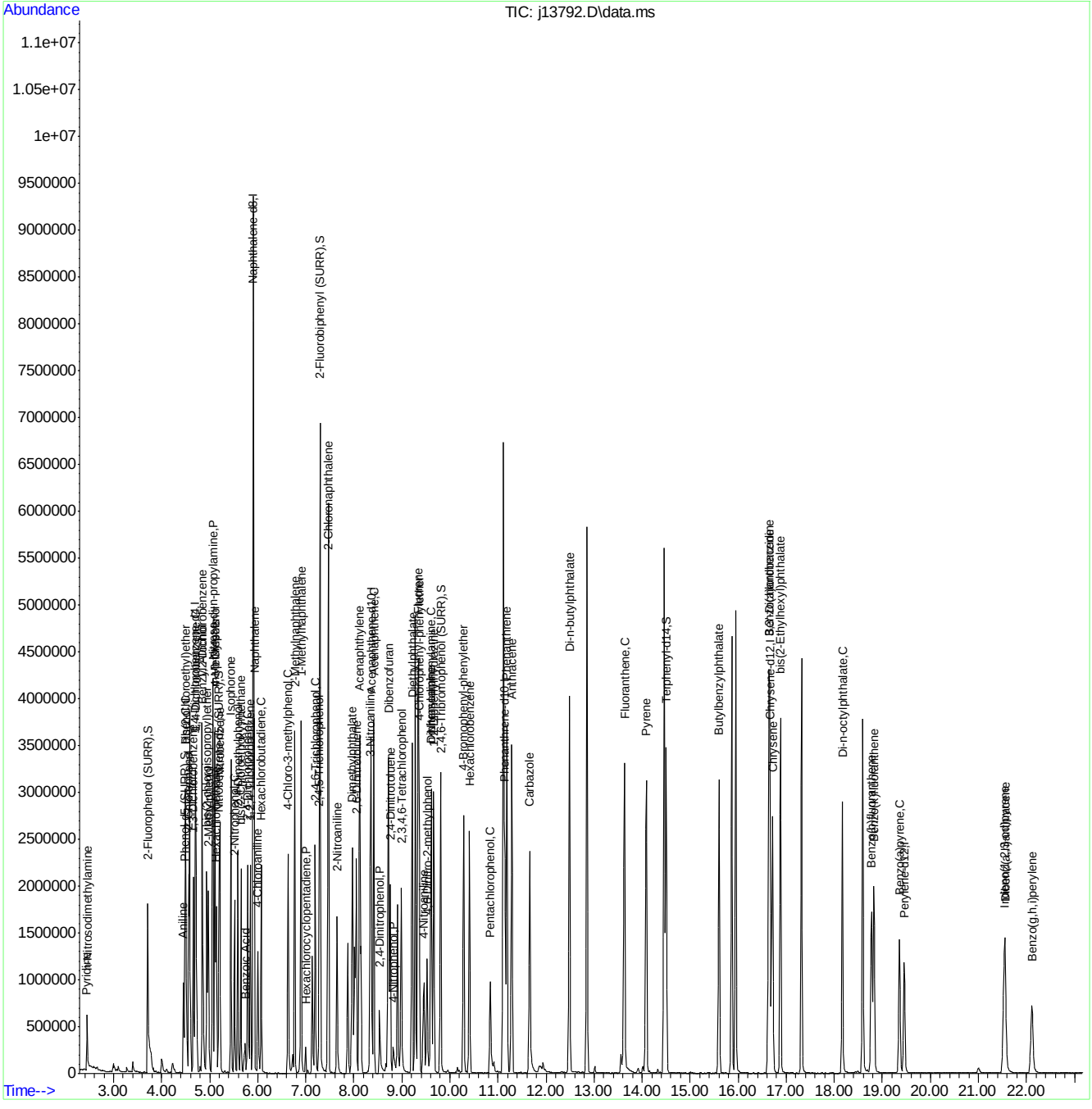
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
33) 4-Chloro-3-methylphenol	6.630	107	629209	36.58 ug/ml	99
34) 2-Methylnaphthalene	6.769	142	1229649	33.42 ug/ml	100
35) 1-Methylnaphthalene	6.903	142	1220111	31.66 ug/ml	99
37) Hexachlorocyclopentadiene	6.999	237	45881	14.59 ug/ml	97
38) 2,4,6-Trichlorophenol	7.197	196	391685	40.11 ug/ml	100
39) 2,4,5-Trichlorophenol	7.277	196	437065	38.29 ug/ml	100
41) 2-Chloronaphthalene	7.464	162	1237055	37.84 ug/ml	98
42) 2-Nitroaniline	7.652	65	498195	45.32 ug/ml	98
43) Dimethylphthalate	7.972	163	1743995	44.38 ug/ml	100
44) Acenaphthylene	8.122	152	2198356	39.67 ug/ml	100
45) 2,6-Dinitrotoluene	8.058	165	397352	42.98 ug/ml#	80
46) 3-Nitroaniline	8.347	138	342088	40.18 ug/ml	96
47) Acenaphthene	8.416	154	1276944	39.22 ug/ml	100
48) 2,4-Dinitrophenol	8.539	184	162127	53.19 ug/ml	94
49) 4-Nitrophenol	8.823	65	102965	21.09 ug/ml	90
50) Dibenzofuran	8.721	168	1941409	41.74 ug/ml	99
51) 2,4-Dinitrotoluene	8.759	165	531824	48.03 ug/ml	88
52) 2,3,4,6-Tetrachlorophenol	8.989	232	367518	42.63 ug/ml	100
53) Diethylphthalate	9.219	149	1983671	48.66 ug/ml	99
54) Fluorene	9.342	166	1724303	42.54 ug/ml	100
55) 4-Chlorophenyl-phenyle...	9.363	204	811287	39.29 ug/ml	98
56) 4-Nitroaniline	9.459	138	312251	47.18 ug/ml	97
58) 1,2-Diphenylhydrazine	9.663	77	1928392	40.96 ug/ml	99
59) 4,6-Dinitro-2-methylph...	9.524	198	264075	44.62 ug/ml	100
60) Diphenylamine	9.609	169	1221287	35.25 ug/ml	100
61) n-Nitrosodiphenylamine	9.609	169	1221287	35.25 ug/ml	100
63) 4-Bromophenyl-phenylether	10.288	248	478518	40.95 ug/ml	98
64) Hexachlorobenzene	10.411	284	549874	43.19 ug/ml	97
65) Pentachlorophenol	10.839	266	204765	46.96 ug/ml	100
66) Phenanthrene	11.187	178	2404194	43.59 ug/ml	100
67) Anthracene	11.289	178	2312884	43.56 ug/ml	100
68) Carbazole	11.663	167	1937587	45.32 ug/ml	100
69) Di-n-butylphthalate	12.492	149	3256688	49.17 ug/ml	99
70) Fluoranthene	13.637	202	2524746	50.50 ug/ml	99
73) Pyrene	14.091	202	2487599	44.22 ug/ml	99
75) Butylbenzylphthalate	15.605	149	1176087	46.94 ug/ml	99
76) Benzo(a)anthracene	16.643	228	2134001	47.51 ug/ml	99
77) 3,3'-Dichlorobenzidine	16.643	252	435871	39.59 ug/ml	98
78) Chrysene	16.718	228	1823124	48.15 ug/ml	100
79) bis(2-Ethylhexyl)phtha...	16.883	149	1566759	46.54 ug/ml	98
81) Di-n-octylphthalate	18.172	149	2198535	46.52 ug/ml	100
82) Benzo(b)fluoranthene	18.777	252	1454537	48.40 ug/ml	96
83) Benzo(k)fluoranthene	18.825	252	1542409	56.19 ug/ml	99
84) Benzo(a)pyrene	19.360	252	1154212	44.98 ug/ml#	10
85) Indeno(1,2,3-cd)pyrene	21.537	276	1258908	58.19 ug/ml	97
86) Dibenz(a,h)anthracene	21.558	278	1050816	58.52 ug/ml	97
87) Benzo(g,h,i)perylene	22.114	276	952983	58.31 ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13792.D
Acq On : 13 Oct 2009 2:55 pm
Operator : sheilac
Sample : op13230-bsd,(8270)
Misc : op13230,Ej633,1000,,,1,1,water
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 14 12:22:44 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Oct 14 12:22:32 2009
Response via : Initial Calibration



ACCUTEST Laboratories T39513

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/23/09 13:48

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1918\H35521.D Vial: 10
Acq On : 21 Oct 2009 2:54 pm Operator: sheilac
Sample : op13270-bs Inst : TXMSH
Misc : OP13270,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 12:09 2009 Quant Results File: H10219SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10219SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 11:44:03 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.65	152	79921	4.00	ppb	0.00
4) Naphthalene-d8	7.56	136	84780	4.00	ppb	0.00
9) Acenaphthene-d10	9.57	164	42809	4.00	ppb	0.00
15) Phenanthrene-d10	11.09	188	78803	4.00	ppb	0.00
21) Chrysene-d12	13.89	240	43314	4.00	ppb	0.00
26) Perylene-d12	16.35	264	7925	4.00	ppb	0.00

System Monitoring Compounds

5) Nitrobenzene-d5	6.58	82	12982	3.57	ppb	0.03
Spiked Amount 5.000	Range 17 - 131		Recovery	=	71.40%	
10) 2-Fluorobiphenyl	8.87	172	121480	4.21	ppb	0.00
Spiked Amount 5.000	Range 15 - 137		Recovery	=	84.20%	
16) 2,4,6-Tribromophenol	10.40	330	24860	9.68	ppb	0.00
Spiked Amount 10.000	Range 10 - 123		Recovery	=	96.80%	
23) Terphenyl-d14	12.66	244	33598	4.09	ppb	0.00
Spiked Amount 5.000	Range 10 - 160		Recovery	=	81.80%	

Target Compounds

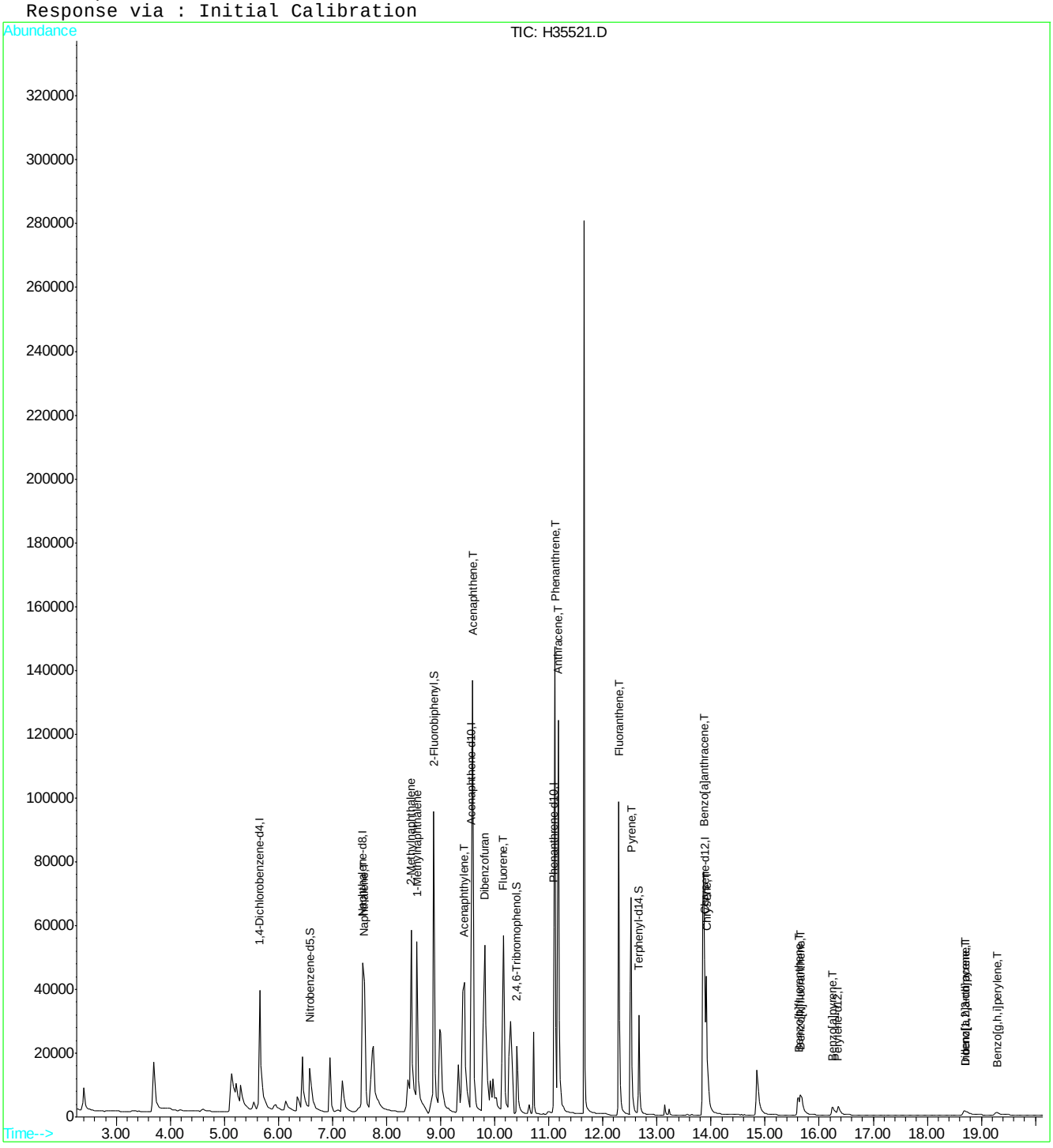
							Qvalue
6) Naphthalene	7.59	128	58746	2.77	ppb	#	84
7) 2-Methylnaphthalene	8.45	142	103198	4.87	ppb	#	84
8) 1-Methylnaphthalene	8.56	142	90681	3.26	ppb	#	100
11) Acenaphthylene	9.43	152	79502	3.30	ppb	#	79
12) Acenaphthene	9.60	153	90124	3.68	ppb		79
13) Dibenzofuran	9.81	168	81886	4.07	ppb		100
14) Fluorene	10.16	166	49521	4.42	ppb		99
18) Phenanthrene	11.11	178	138321	3.65	ppb		98
19) Anthracene	11.17	178	145986	3.72	ppb		99
20) Fluoranthene	12.29	202	128870	3.83	ppb		100
22) Pyrene	12.53	202	118818	3.04	ppb	#	81
24) Benzo[a]anthracene	13.87	228	52062m	3.70	ppb		
25) Chrysene	13.92	228	63920m	3.69	ppb		
27) Benzo[b]fluoranthene	15.62	252	13062	3.89	ppb		97
28) Benzo[k]fluoranthene	15.66	252	20310m	4.43	ppb		
29) Benzo[a]pyrene	16.24	252	9648	3.02	ppb		96
30) Indeno[1,2,3-cd]pyrene	18.70	276	4323	3.63	ppb		94
31) Dibenz[a,h]anthracene	18.70	278	3106m	3.56	ppb		
32) Benzo[g,h,i]perylene	19.29	276	3678	3.55	ppb		90

(#) = qualifier out of range (m) = manual integration
H35521.D H10229SP.M Thu Oct 22 13:39:45 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1918\H35521.D Vial: 10
Acq On : 21 Oct 2009 2:54 pm Operator: sheilac
Sample : op13270-bs Inst : TXMSH
Misc : OP13270,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 12:09 2009 Quant Results File: H10219SP.RES

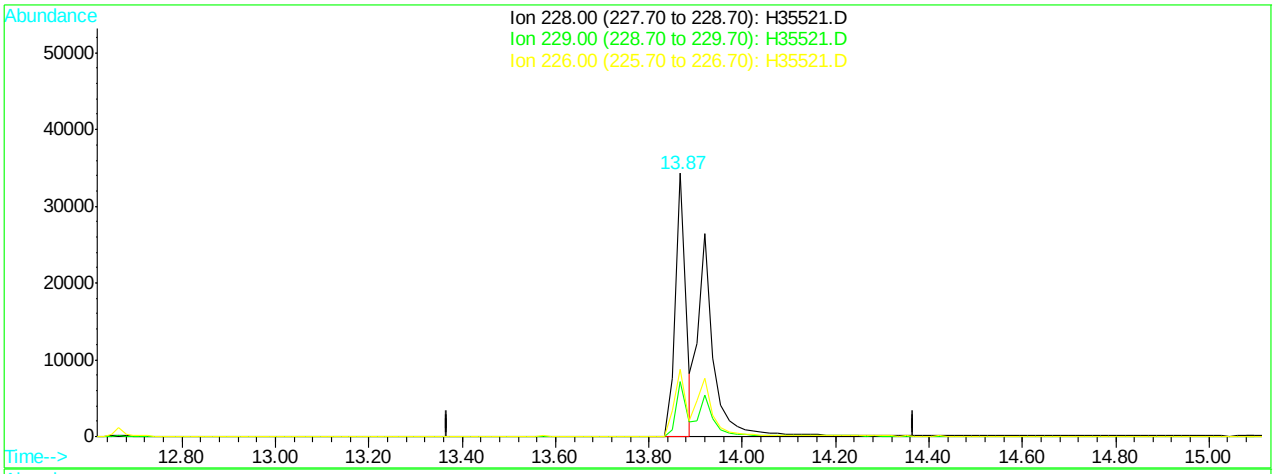
Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Initial Calibration

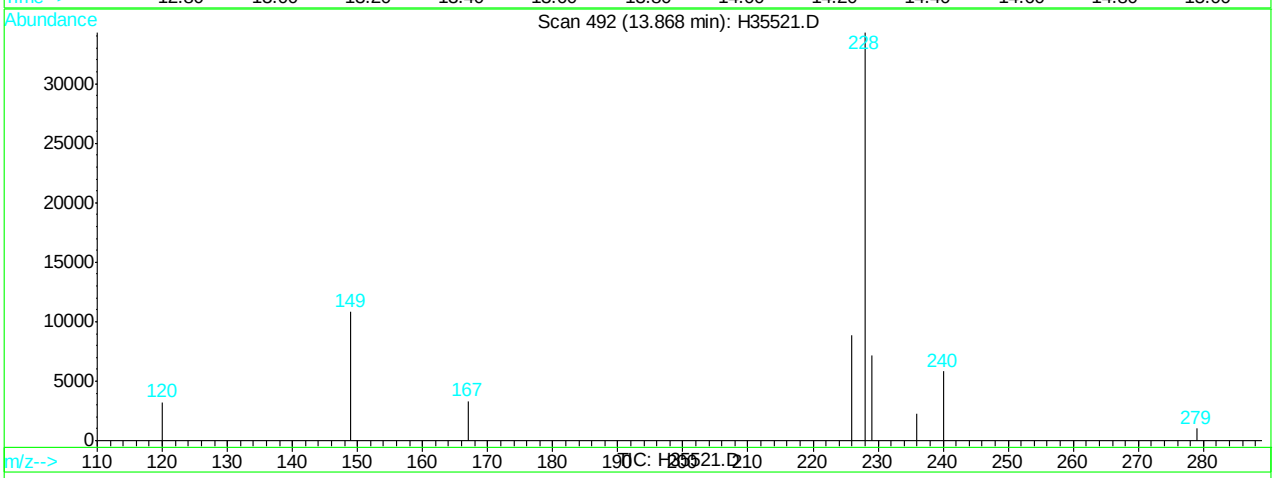


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35521.D Vial: 10
Acq On : 21 Oct 2009 2:54 pm Operator: sheilac
Sample : op13270-bs Inst : TXMSH
Misc : OP13270,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 12:09 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(24) Benzo[a]anthracene (T)

13.87min 3.70ppb m

response 52062

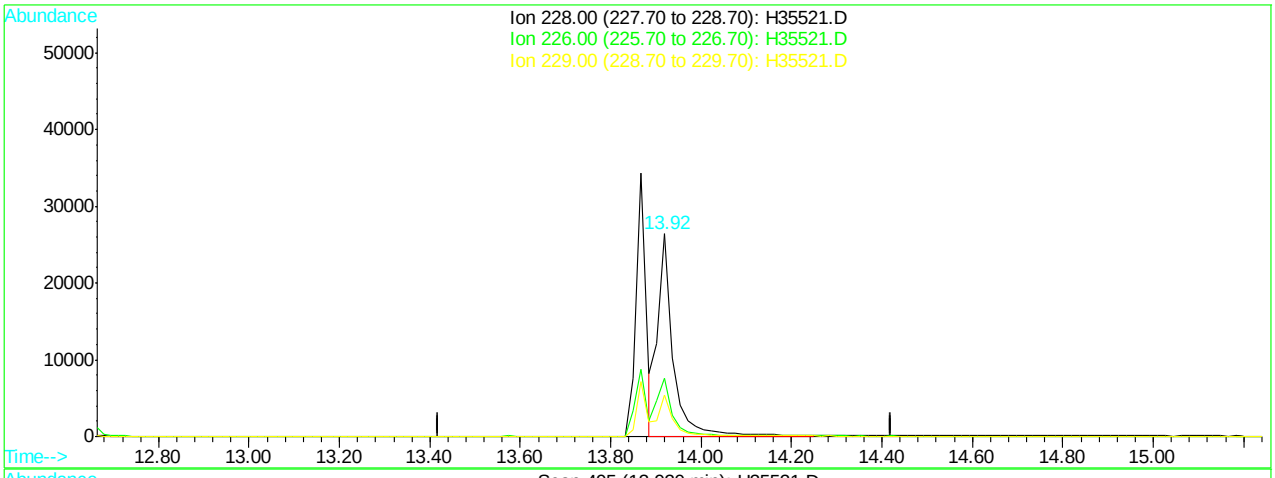
Ion	Exp%	Act%
228.00	100	100
229.00	21.80	20.90
226.00	23.70	25.76
0.00	0.00	0.00

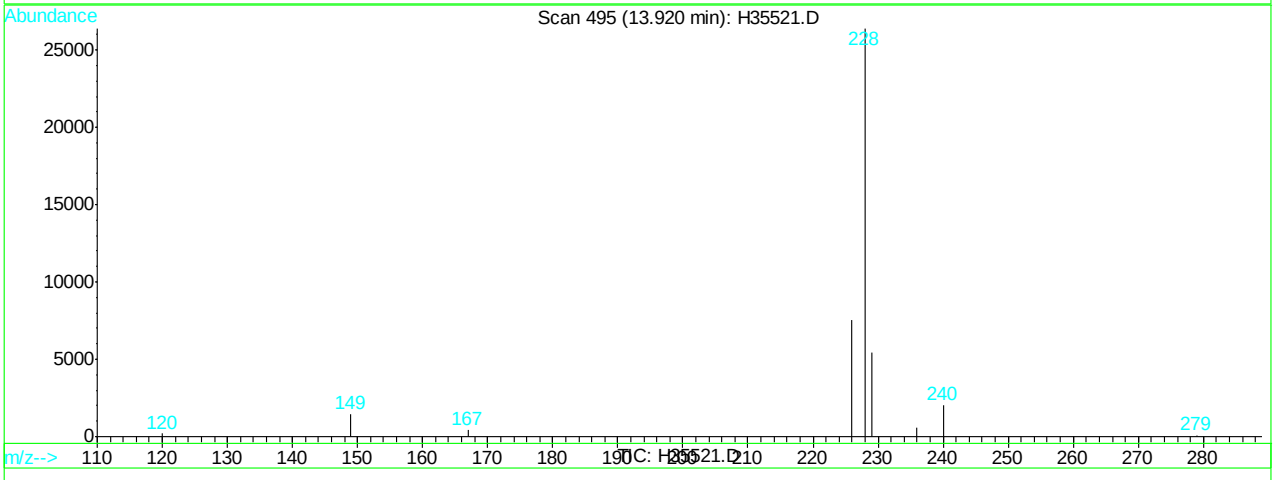
H35521.D H10229SP.M Thu Oct 22 13:40:01 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35521.D Vial: 10
Acq On : 21 Oct 2009 2:54 pm Operator: sheilac
Sample : op13270-bs Inst : TXMSH
Misc : OP13270,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 12:09 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(25) Chrysene (T)

13.92min 3.69ppb m

response 63920

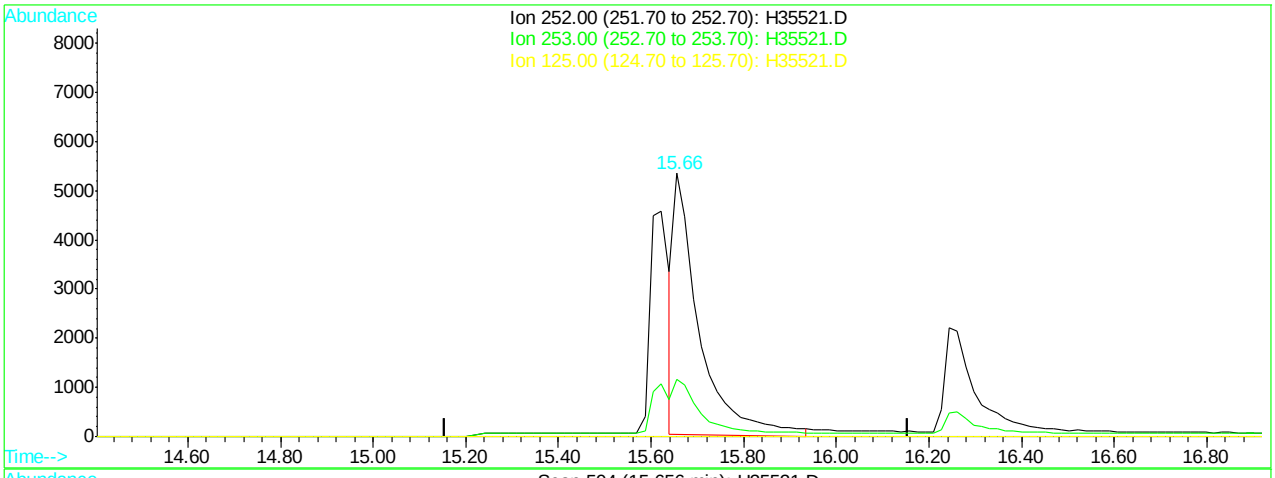
Ion	Exp%	Act%
228.00	100	100
226.00	28.00	28.58
229.00	20.90	20.58
0.00	0.00	0.00

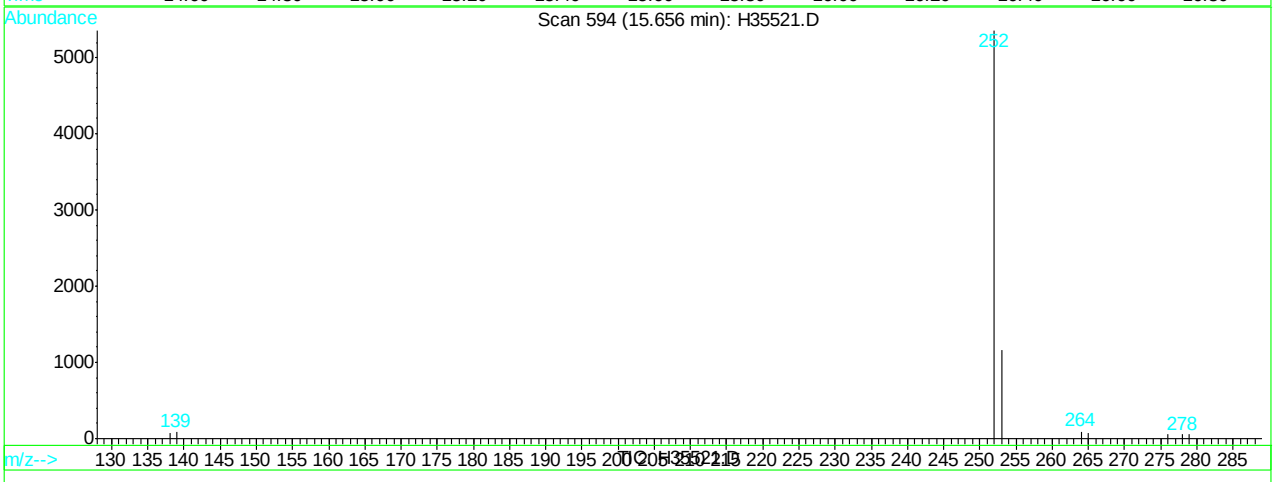
H35521.D H10229SP.M Thu Oct 22 13:40:07 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35521.D Vial: 10
Acq On : 21 Oct 2009 2:54 pm Operator: sheilac
Sample : op13270-bs Inst : TXMSH
Misc : OP13270,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 12:09 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.66min 4.43ppb m

response 20310

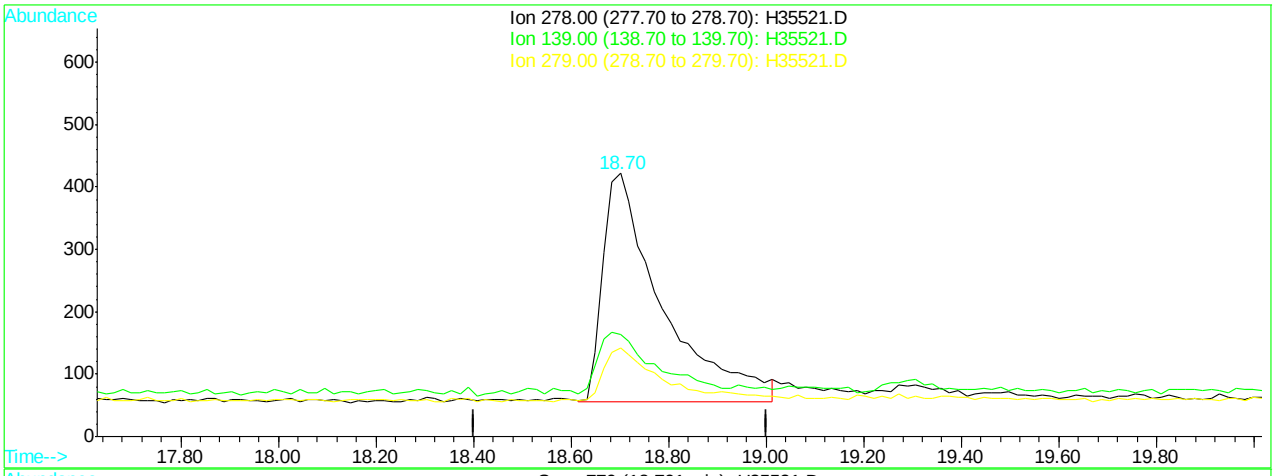
Ion	Exp%	Act%
252.00	100	100
253.00	22.50	21.82
125.00	0.00	0.00
0.00	0.00	0.00

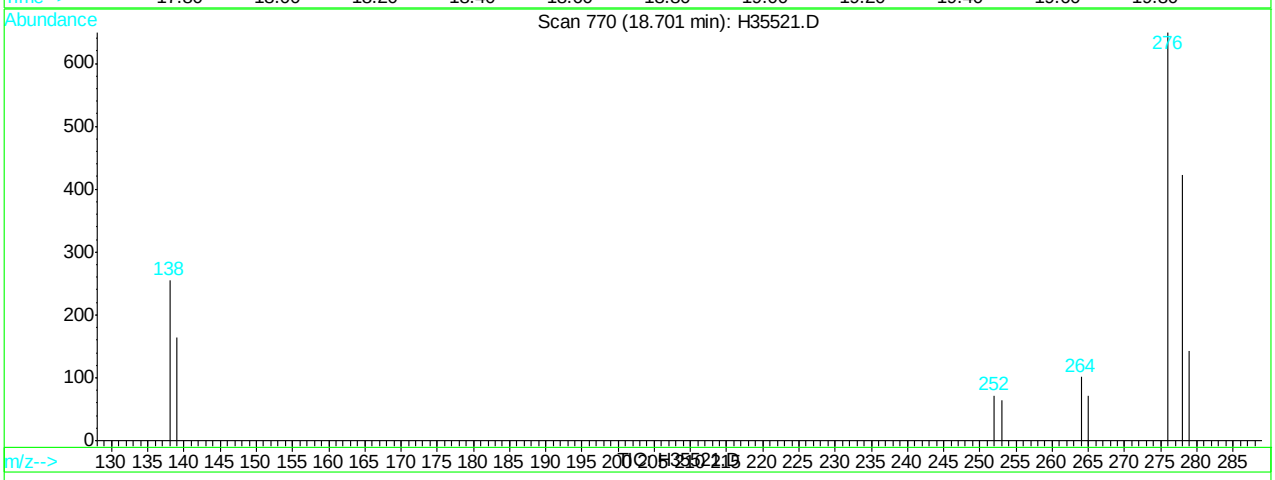
H35521.D H10229SP.M Thu Oct 22 13:40:10 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35521.D Vial: 10
Acq On : 21 Oct 2009 2:54 pm Operator: sheilac
Sample : op13270-bs Inst : TXMSH
Misc : OP13270,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 12:09 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(31) Dibenz[a,h]anthracene (T)

18.70min 3.56ppb m

response 3106

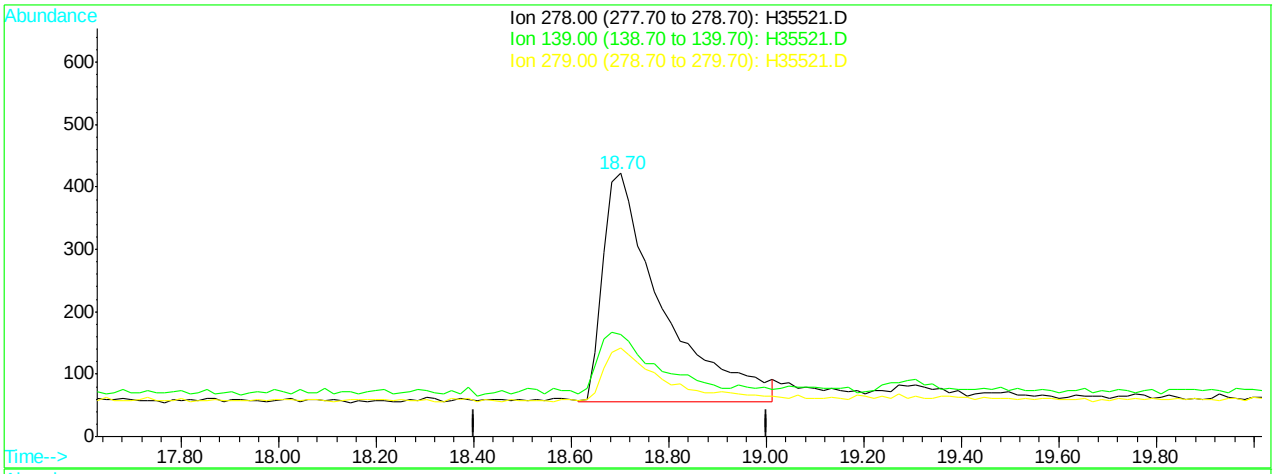
Ion	Exp%	Act%
278.00	100	100
139.00	29.40	38.86#
279.00	23.60	33.65#
0.00	0.00	0.00

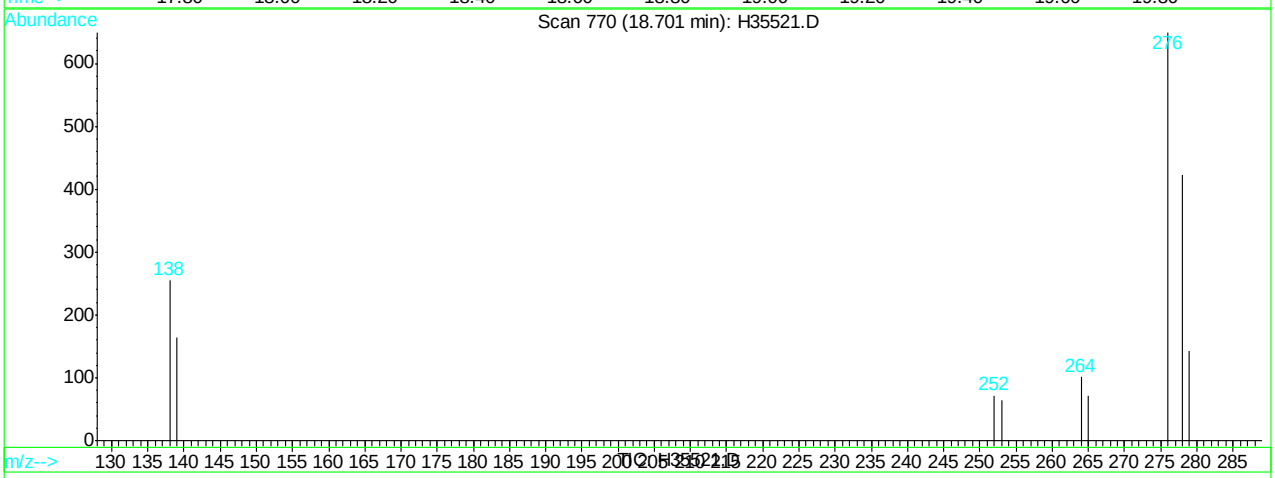
H35521.D H10229SP.M Thu Oct 22 13:40:17 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35521.D Vial: 10
Acq On : 21 Oct 2009 2:54 pm Operator: sheilac
Sample : op13270-bs Inst : TXMSH
Misc : OP13270,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 12:09 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(31) Dibenz[a,h]anthracene (T)

18.70min 3.56ppb m

response 3106

Ion	Exp%	Act%
278.00	100	100
139.00	29.40	38.86#
279.00	23.60	33.65#
0.00	0.00	0.00

H35521.D H10229SP.M Thu Oct 22 13:41:33 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/23/09 13:48

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1918\H35522.D Vial: 11
Acq On : 21 Oct 2009 3:25 pm Operator: sheilac
Sample : op13270-bsd Inst : TXMSH
Misc : OP13270,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 12:10 2009 Quant Results File: H10219SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10219SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 11:44:03 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.65	152	80116	4.00	ppb	0.00
4) Naphthalene-d8	7.56	136	78986	4.00	ppb	0.00
9) Acenaphthene-d10	9.57	164	44110	4.00	ppb	0.00
15) Phenanthrene-d10	11.09	188	74813	4.00	ppb	0.00
21) Chrysene-d12	13.88	240	46659	4.00	ppb	0.00
26) Perylene-d12	16.35	264	9333	4.00	ppb	0.00

System Monitoring Compounds

5) Nitrobenzene-d5	6.58	82	11551	3.41	ppb	0.03
Spiked Amount 5.000	Range 17 - 131		Recovery	=	68.20%	
10) 2-Fluorobiphenyl	8.87	172	119732	4.03	ppb	0.00
Spiked Amount 5.000	Range 15 - 137		Recovery	=	80.60%	
16) 2,4,6-Tribromophenol	10.40	330	23141	9.49	ppb	0.00
Spiked Amount 10.000	Range 10 - 123		Recovery	=	94.90%	
23) Terphenyl-d14	12.66	244	33646	3.80	ppb	0.00
Spiked Amount 5.000	Range 10 - 160		Recovery	=	76.00%	

Target Compounds

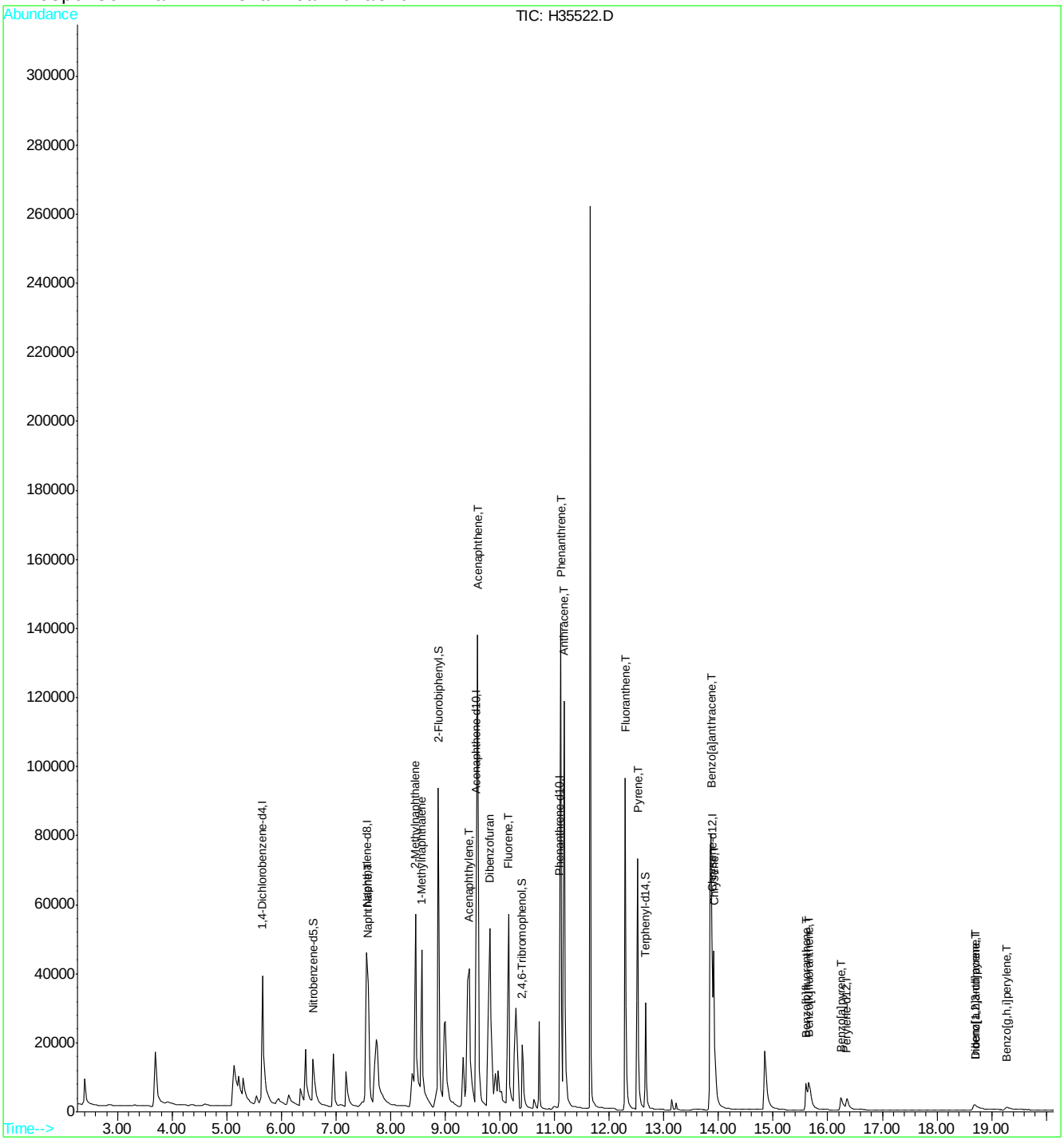
							Qvalue
6) Naphthalene	7.59	128	58378	2.96	ppb		97
7) 2-Methylnaphthalene	8.45	142	101959	5.17	ppb	#	82
8) 1-Methylnaphthalene	8.57	142	79517	3.06	ppb	#	100
11) Acenaphthylene	9.43	152	78951	3.19	ppb	#	79
12) Acenaphthene	9.59	153	91990	3.65	ppb		79
13) Dibenzofuran	9.81	168	80494	3.88	ppb		99
14) Fluorene	10.16	166	49710	4.31	ppb		99
18) Phenanthrene	11.11	178	134116	3.73	ppb		97
19) Anthracene	11.17	178	142641	3.83	ppb		99
20) Fluoranthene	12.29	202	127255	3.99	ppb		99
22) Pyrene	12.52	202	117291	2.79	ppb	#	82
24) Benzo[a]anthracene	13.87	228	55166m	3.64	ppb		
25) Chrysene	13.92	228	66268m	3.55	ppb		
27) Benzo[b]fluoranthene	15.60	252	16991	4.20	ppb		98
28) Benzo[k]fluoranthene	15.66	252	22036m	4.09	ppb		
29) Benzo[a]pyrene	16.24	252	11700	3.11	ppb		98
30) Indeno[1,2,3-cd]pyrene	18.70	276	4689	3.35	ppb		92
31) Dibenz[a,h]anthracene	18.70	278	3107	3.04	ppb		92
32) Benzo[g,h,i]perylene	19.27	276	3738	3.06	ppb		98

(#) = qualifier out of range (m) = manual integration
H35522.D H10229SP.M Thu Oct 22 17:53:13 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1918\H35522.D Vial: 11
Acq On : 21 Oct 2009 3:25 pm Operator: sheilac
Sample : op13270-bsd Inst : TXMSH
Misc : OP13270,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 12:10 2009 Quant Results File: H10219SP.RES

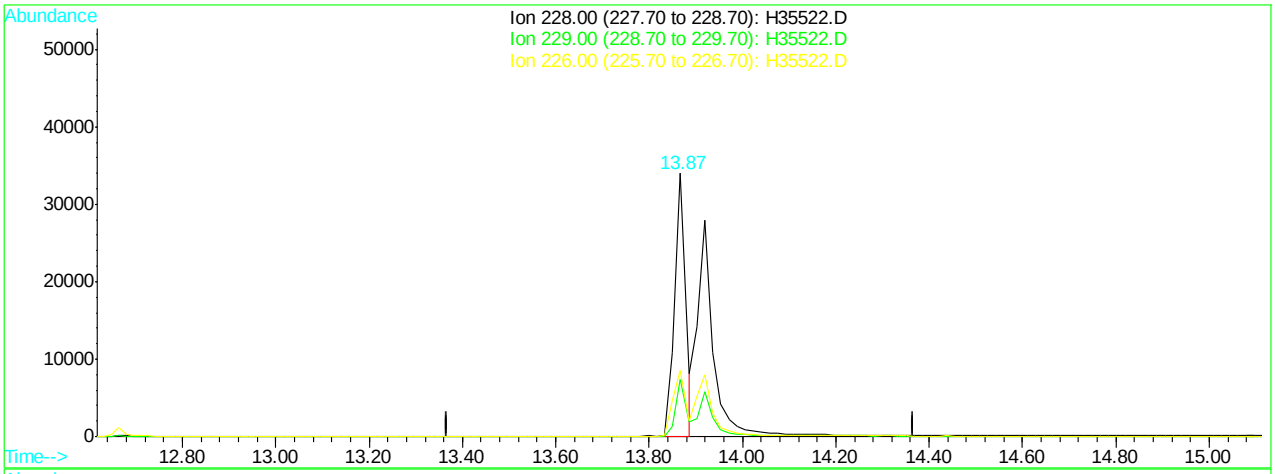
Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 17:47:22 2009
Response via : Initial Calibration

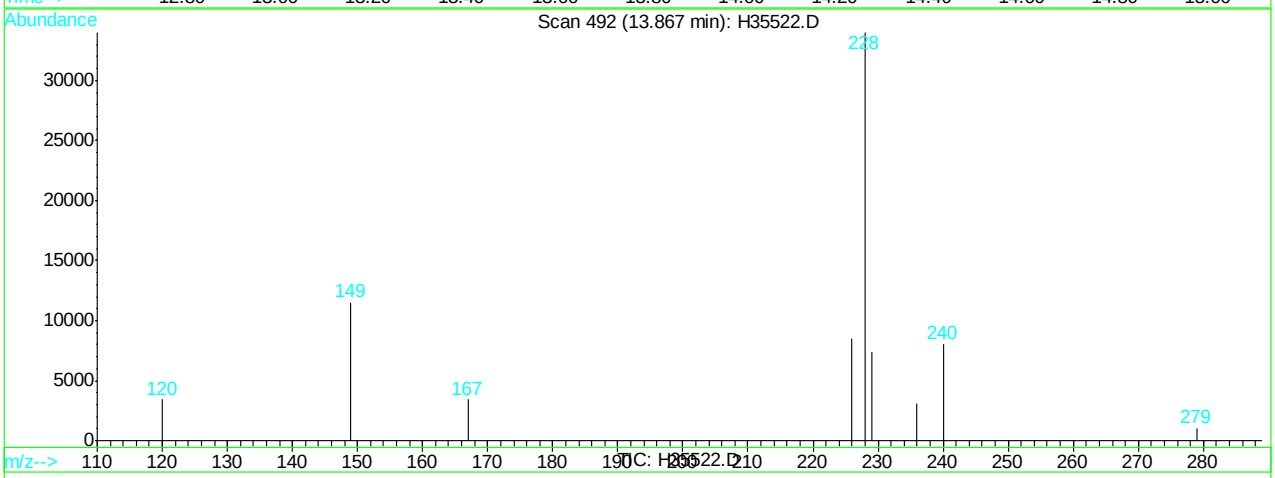


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35522.D Vial: 11
Acq On : 21 Oct 2009 3:25 pm Operator: sheilac
Sample : op13270-bsd Inst : TXMSH
Misc : OP13270,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 12:10 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 17:47:22 2009
Response via : Multiple Level Calibration





(24) Benzo[a]anthracene (T)

13.87min 3.64ppb m

response 55166

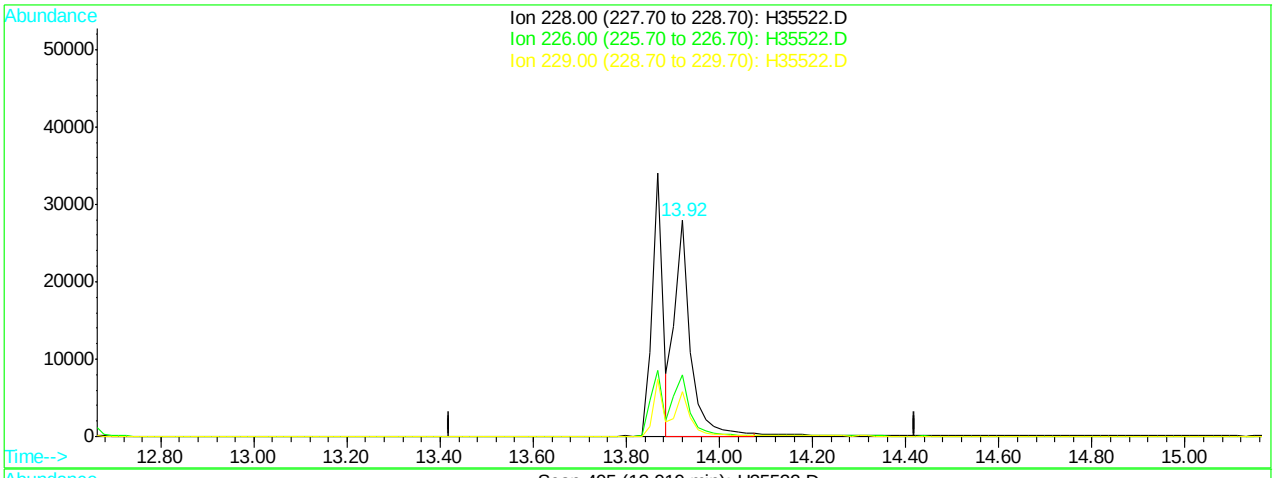
Ion	Exp%	Act%
228.00	100	100
229.00	21.80	21.72
226.00	23.70	24.94
0.00	0.00	0.00

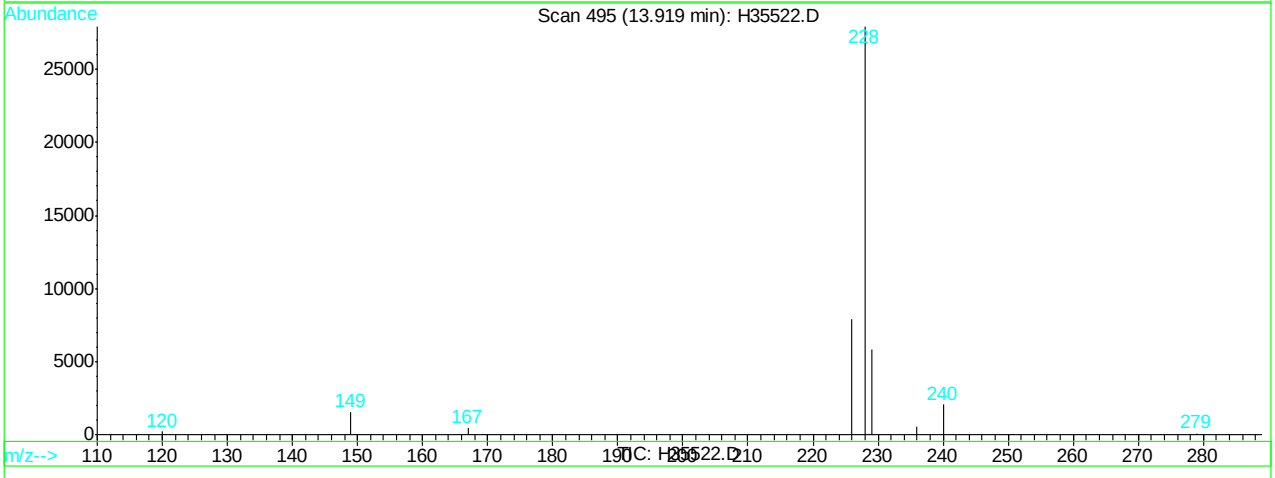
H35522.D H10229SP.M Thu Oct 22 17:53:31 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35522.D Vial: 11
Acq On : 21 Oct 2009 3:25 pm Operator: sheilac
Sample : op13270-bsd Inst : TXMSH
Misc : OP13270,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 12:10 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 17:47:22 2009
Response via : Multiple Level Calibration





(25) Chrysene (T)

13.92min 3.55ppb m

response 66268

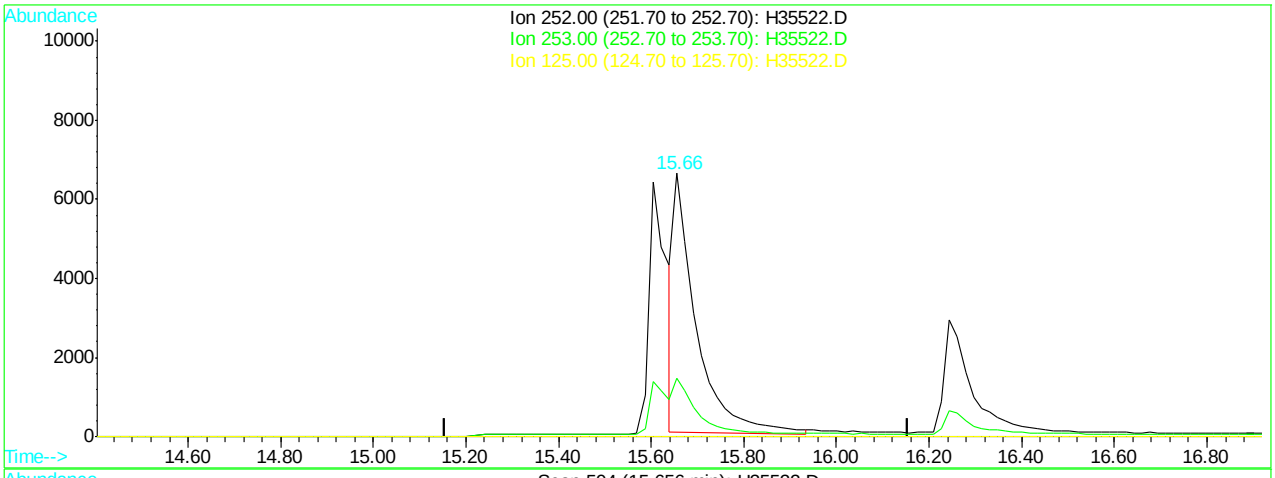
Ion	Exp%	Act%
228.00	100	100
226.00	28.00	28.43
229.00	20.90	20.77
0.00	0.00	0.00

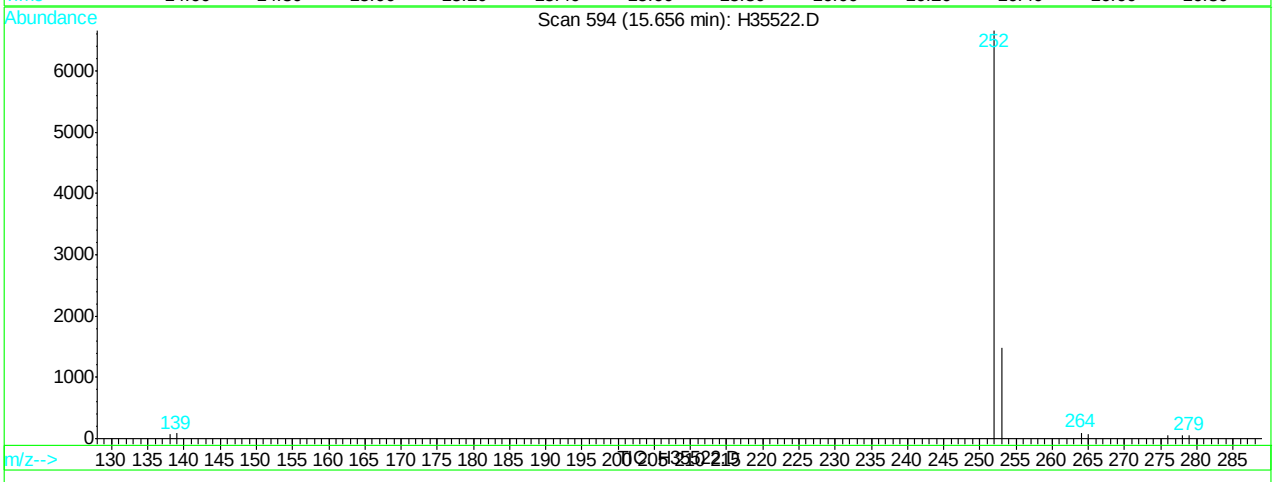
H35522.D H10229SP.M Thu Oct 22 17:53:34 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35522.D Vial: 11
Acq On : 21 Oct 2009 3:25 pm Operator: sheilac
Sample : op13270-bsd Inst : TXMSH
Misc : OP13270,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 12:10 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 17:47:22 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.66min 4.09ppb m

response 22036

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	22.34
125.00	0.00	0.00
0.00	0.00	0.00

H35522.D H10229SP.M Thu Oct 22 17:53:37 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/19/09 11:49

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13803.D
Acq On : 13 Oct 2009 8:19 pm
Operator : sheilac
Sample : op13230-ms
Misc : op13230,Ej633,500,,,1,1,water
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 14 12:26:40 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Oct 14 12:22:32 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.699	152	578227	40.00	ug/ml	-0.03
20) Naphthalene-d8	5.908	136	2079970	40.00	ug/ml	0.00
36) Acenaphthene-d10	8.363	164	1212764	40.00	ug/ml	-0.05
57) Phenanthrene-d10	11.139	188	1765026	40.00	ug/ml	-0.06
71) Chrysene-d12	16.669	240	1362616	40.00	ug/ml	-0.06
80) Perylene-d12	19.456	264	675527	40.00	ug/ml	-0.07
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.710	112	1057452	58.28	ug/ml	0.03
Spiked Amount 100.000	Range 10 - 66		Recovery = 58.28%			
5) Phenol-d5 (SURR)	4.485	99	1189826	52.46	ug/ml	-0.01
Spiked Amount 100.000	Range 10 - 53		Recovery = 52.46%			
21) Nitrobenzene-d5 (SURR)	5.197	82	726898	33.33	ug/ml	-0.10
Spiked Amount 50.000	Range 29 - 115		Recovery = 66.66%			
40) 2-Fluorobiphenyl (SURR)	7.293	172	1493199	31.61	ug/ml	-0.25
Spiked Amount 50.000	Range 34 - 113		Recovery = 63.22%			
62) 2,4,6-Tribromophenol (...	9.812	330	456252	76.83	ug/ml	-0.15
Spiked Amount 100.000	Range 32 - 128		Recovery = 76.83%			
74) Terphenyl-d14	14.498	244	1355306	41.66	ug/ml	-0.10
Spiked Amount 50.000	Range 12 - 145		Recovery = 83.32%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.447	74	286694	29.50	ug/ml	95
3) Pyridine	2.447	79	97341m	5.68	ug/ml	
6) Phenol	4.496	94	688284	28.04	ug/ml	96
7) Aniline	4.458	93	144728	7.26	ug/ml	97
8) bis(2-Chloroethyl)ether	4.496	93	716673	29.79	ug/ml	92
9) 2-Chlorophenol	4.560	128	643427	33.80	ug/ml	100
10) 1,3-Dichlorobenzene	4.656	146	569283	26.40	ug/ml	99
11) 1,4-Dichlorobenzene	4.715	146	612189	26.46	ug/ml	88
12) Benzyl Alcohol	4.849	108	402291	30.33	ug/ml	97
13) 1,2-Dichlorobenzene	4.844	146	591728	27.26	ug/ml	99
14) 2-Methylphenol	4.972	108	580100	33.72	ug/ml	99
15) bis(2-chloroisopropyl)...	4.940	45	1018459	33.43	ug/ml	98
16) 4-Methylphenol	5.111	108	1292801	71.03	ug/ml#	67
17) m+p-Cresols	5.111	108	1292801	71.03	ug/ml#	67
18) n-Nitroso-di-n-propyla...	5.074	70	569861	34.52	ug/ml	98
19) Hexachloroethane	5.138	117	212578	25.18	ug/ml	99
22) Nitrobenzene	5.213	77	750529	35.03	ug/ml	98
23) Isophorone	5.443	82	1391027	35.36	ug/ml	99
24) 2-Nitrophenol	5.517	139	329383	33.44	ug/ml	96
25) 2,4-Dimethylphenol	5.587	122	608339	37.35	ug/ml	97
26) bis(2-Chloroethoxy)met...	5.651	93	745772	34.40	ug/ml	99
27) Benzoic Acid	5.774	105	324191	40.08	ug/ml	96
28) 2,4-Dichlorophenol	5.790	162	522161	36.44	ug/ml	99
29) 1,2,4-Trichlorobenzene	5.844	180	492609	28.57	ug/ml	99
30) Naphthalene	5.929	128	1826834	32.25	ug/ml	99
31) 4-Chloroaniline	6.004	127	156583	10.08	ug/ml	97
32) Hexachlorobutadiene	6.074	225	297470	27.48	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13803.D
Acq On : 13 Oct 2009 8:19 pm
Operator : sheilac
Sample : op13230-ms
Misc : op13230,Ej633,500,,,1,1,water
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 14 12:26:40 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Oct 14 12:22:32 2009
Response via : Initial Calibration

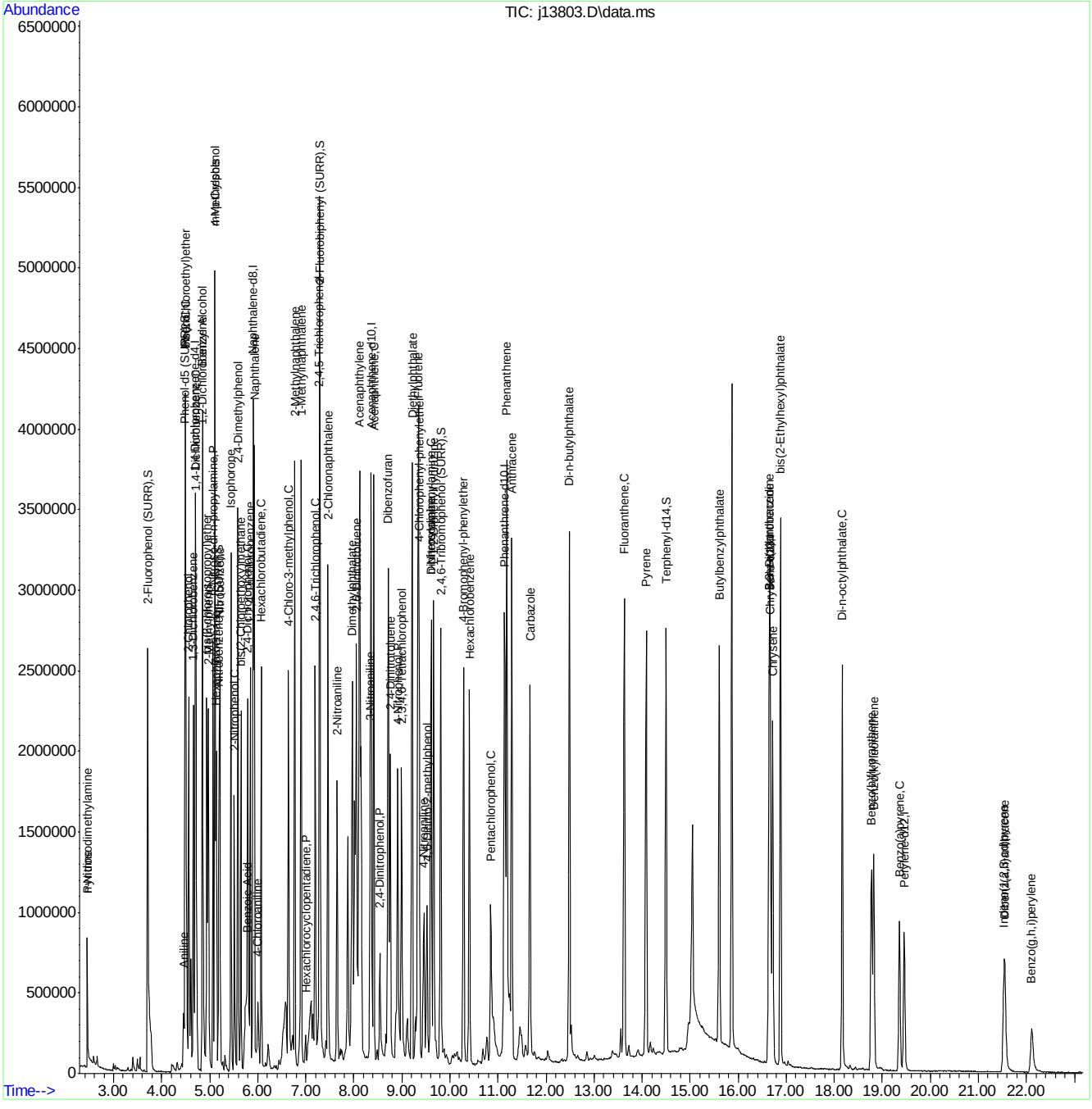
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 4-Chloro-3-methylphenol	6.641	107	681077	42.09	ug/ml	99
34) 2-Methylnaphthalene	6.769	142	1227242	35.46	ug/ml	99
35) 1-Methylnaphthalene	6.903	142	1215166	33.52	ug/ml	99
37) Hexachlorocyclopentadiene	6.999	237	25718	10.47	ug/ml	96
38) 2,4,6-Trichlorophenol	7.197	196	402171	39.74	ug/ml	99
39) 2,4,5-Trichlorophenol	7.283	196	470112	39.59	ug/ml	100
41) 2-Chloronaphthalene	7.464	162	1124965	33.20	ug/ml	99
42) 2-Nitroaniline	7.657	65	490107	43.02	ug/ml	98
43) Dimethylphthalate	7.973	163	1595837	39.18	ug/ml	99
44) Acenaphthylene	8.117	152	1905518	33.18	ug/ml	100
45) 2,6-Dinitrotoluene	8.058	165	366757	38.28	ug/ml#	81
46) 3-Nitroaniline	8.342	138	240846	28.26	ug/ml	96
47) Acenaphthene	8.416	154	1199888	35.56	ug/ml	100
48) 2,4-Dinitrophenol	8.539	184	137345	45.51	ug/ml	97
49) 4-Nitrophenol	8.914	65	233191	42.52	ug/ml#	75
50) Dibenzofuran	8.716	168	1771553	36.75	ug/ml	99
51) 2,4-Dinitrotoluene	8.759	165	470817	41.03	ug/ml	97
52) 2,3,4,6-Tetrachlorophenol	8.994	232	345760	38.99	ug/ml	99
53) Diethylphthalate	9.219	149	2130052	50.41	ug/ml	99
54) Fluorene	9.336	166	1578983	37.59	ug/ml	100
55) 4-Chlorophenyl-phenyle...	9.363	204	747398	35.23	ug/ml	98
56) 4-Nitroaniline	9.459	138	266279	38.82	ug/ml	95
58) 1,2-Diphenylhydrazine	9.663	77	1747811	38.94	ug/ml	100
59) 4,6-Dinitro-2-methylph...	9.524	198	202723	37.06	ug/ml	99
60) Diphenylamine	9.609	169	1112254	33.67	ug/ml	100
61) n-Nitrosodiphenylamine	9.609	169	1112254	33.67	ug/ml	100
63) 4-Bromophenyl-phenylether	10.288	248	432464	38.81	ug/ml	98
64) Hexachlorobenzene	10.411	284	478141	39.38	ug/ml	96
65) Pentachlorophenol	10.855	266	203125	48.37	ug/ml	99
66) Phenanthrene	11.187	178	2148807	40.86	ug/ml	100
67) Anthracene	11.289	178	2071431	40.91	ug/ml	99
68) Carbazole	11.668	167	1705053	41.83	ug/ml	99
69) Di-n-butylphthalate	12.487	149	2756685	43.65	ug/ml	99
70) Fluoranthene	13.631	202	2079109	43.61	ug/ml	99
73) Pyrene	14.086	202	2035063	42.39	ug/ml	99
75) Butylbenzylphthalate	15.610	149	943054	44.10	ug/ml	99
76) Benzo(a)anthracene	16.648	228	1610561	42.02	ug/ml	99
77) 3,3'-Dichlorobenzidine	16.648	252	43877	4.67	ug/ml#	84
78) Chrysene	16.718	228	1396379	43.22	ug/ml	100
79) bis(2-Ethylhexyl)phtha...	16.883	149	1357951	47.26	ug/ml	98
81) Di-n-octylphthalate	18.167	149	1852655	52.17	ug/ml	100
82) Benzo(b)fluoranthene	18.771	252	1041061	46.63	ug/ml	96
83) Benzo(k)fluoranthene	18.825	252	1014746	49.76	ug/ml	99
84) Benzo(a)pyrene	19.360	252	748700	39.28	ug/ml#	11
85) Indeno(1,2,3-cd)pyrene	21.531	276	629470	39.17	ug/ml	97
86) Dibenz(a,h)anthracene	21.553	278	524872	39.35	ug/ml	99
87) Benzo(g,h,i)perylene	22.109	276	425763	35.07	ug/ml	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13803.D
Acq On : 13 Oct 2009 8:19 pm
Operator : sheilac
Sample : op13230-ms
Misc : op13230,Ej633,500,,,1,1,water
ALS Vial : 21 Sample Multiplier: 1

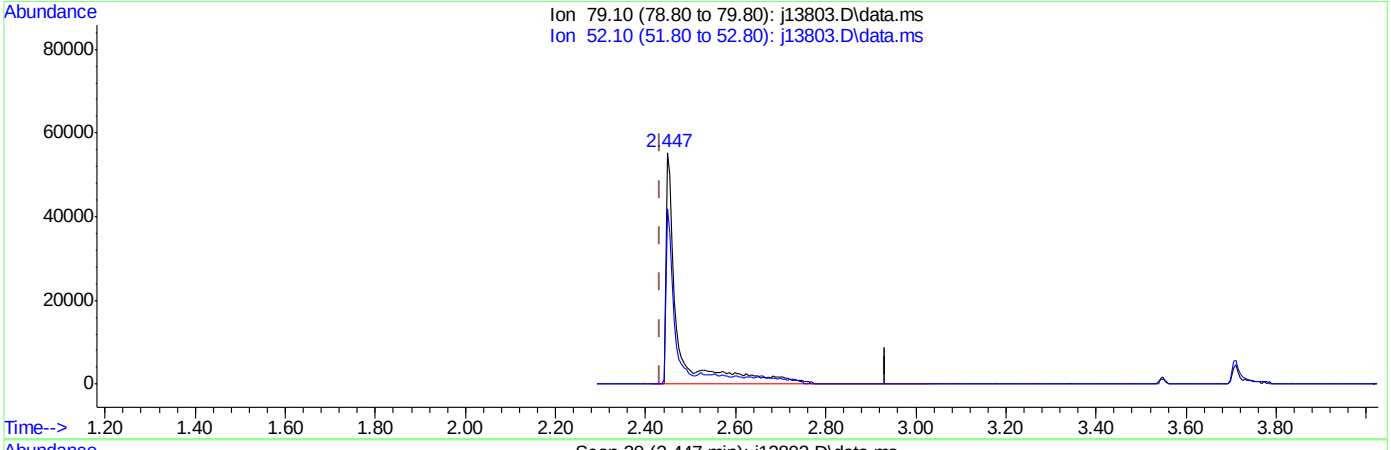
Quant Time: Oct 14 12:26:40 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Oct 14 12:22:32 2009
Response via : Initial Calibration

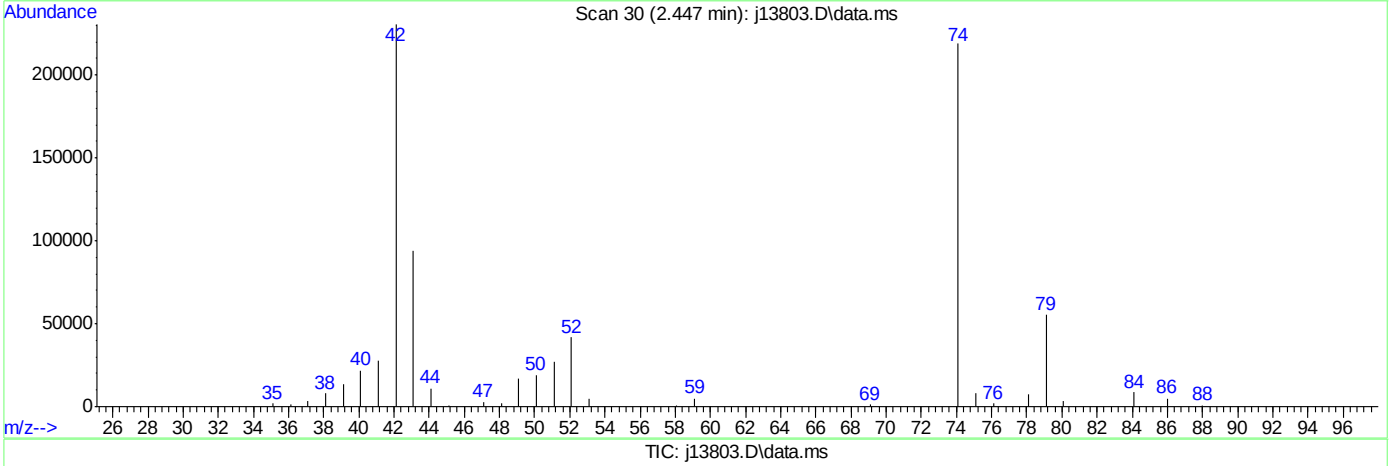


Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13803.D
Acq On    : 13 Oct 2009   8:19 pm
Operator  : sheilac
Sample    : op13230-ms
Misc      : op13230,Ej633,500,,,1,1,water
ALS Vial  : 21   Sample Multiplier: 1

Quant Time: Oct 14 12:26:40 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :
QLast Update : Wed Oct 14 12:22:32 2009
Response via : Initial Calibration
```





(3) Pyridine

2.447min (+0.015) 5.68ug/ml m

response 97341

Ion	Exp%	Act%
79.10	100	100
52.10	72.60	51.13#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/19/09 11:49

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13804.D
Acq On : 13 Oct 2009 8:49 pm
Operator : sheilac
Sample : op13230-msd
Misc : op13230,Ej633,500,,,1,1,water
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 14 12:25:46 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Oct 14 12:22:32 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.699	152	497658	40.00	ug/ml	-0.03
20) Naphthalene-d8	5.902	136	1825808	40.00	ug/ml	0.00
36) Acenaphthene-d10	8.363	164	1109568	40.00	ug/ml	-0.05
57) Phenanthrene-d10	11.139	188	1710634	40.00	ug/ml	-0.06
71) Chrysene-d12	16.669	240	1270114	40.00	ug/ml	-0.06
80) Perylene-d12	19.456	264	631717	40.00	ug/ml	-0.07
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.710	112	1048226	67.12	ug/ml	0.03
Spiked Amount 100.000	Range 10 - 66		Recovery = 67.12%#			
5) Phenol-d5 (SURR)	4.480	99	1187531	60.84	ug/ml	-0.02
Spiked Amount 100.000	Range 10 - 53		Recovery = 60.84%#			
21) Nitrobenzene-d5 (SURR)	5.196	82	736160	38.45	ug/ml	-0.10
Spiked Amount 50.000	Range 29 - 115		Recovery = 76.90%			
40) 2-Fluorobiphenyl (SURR)	7.293	172	1538839	35.60	ug/ml	-0.25
Spiked Amount 50.000	Range 34 - 113		Recovery = 71.20%			
62) 2,4,6-Tribromophenol (...	9.812	330	496030	86.18	ug/ml	-0.15
Spiked Amount 100.000	Range 32 - 128		Recovery = 86.18%			
74) Terphenyl-d14	14.503	244	1512646	49.88	ug/ml	-0.09
Spiked Amount 50.000	Range 12 - 145		Recovery = 99.76%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.447	74	294726	35.24	ug/ml	94
3) Pyridine	2.447	79	97153m	6.58	ug/ml	
6) Phenol	4.496	94	686515	32.50	ug/ml	96
7) Aniline	4.453	93	154065	8.35	ug/ml	97
8) bis(2-Chloroethyl)ether	4.496	93	715530	34.56	ug/ml	93
9) 2-Chlorophenol	4.560	128	653213	39.87	ug/ml	99
10) 1,3-Dichlorobenzene	4.656	146	563764	30.37	ug/ml	98
11) 1,4-Dichlorobenzene	4.715	146	612507	30.76	ug/ml	88
12) Benzyl Alcohol	4.849	108	405764	35.54	ug/ml	96
13) 1,2-Dichlorobenzene	4.843	146	588302	31.49	ug/ml	99
14) 2-Methylphenol	4.972	108	587002	39.64	ug/ml	99
15) bis(2-chloroisopropyl)...	4.940	45	1012536	38.61	ug/ml	98
16) 4-Methylphenol	5.111	108	1310942	83.69	ug/ml#	66
17) m+p-Cresols	5.111	108	1310942	83.69	ug/ml#	66
18) n-Nitroso-di-n-propyla...	5.073	70	572396	40.28	ug/ml	99
19) Hexachloroethane	5.138	117	214998	29.59	ug/ml	99
22) Nitrobenzene	5.212	77	761710	40.51	ug/ml	99
23) Isophorone	5.442	82	1416332	41.02	ug/ml	99
24) 2-Nitrophenol	5.517	139	342635	39.63	ug/ml	97
25) 2,4-Dimethylphenol	5.587	122	616392	43.11	ug/ml	98
26) bis(2-Chloroethoxy)met...	5.651	93	751252	39.48	ug/ml	100
27) Benzoic Acid	5.779	105	337450	47.52	ug/ml	98
28) 2,4-Dichlorophenol	5.790	162	537830	42.76	ug/ml	99
29) 1,2,4-Trichlorobenzene	5.844	180	502176	33.18	ug/ml	99
30) Naphthalene	5.929	128	1859563	37.39	ug/ml	99
31) 4-Chloroaniline	6.004	127	175488	12.04	ug/ml	92
32) Hexachlorobutadiene	6.074	225	301867	31.77	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13804.D
Acq On : 13 Oct 2009 8:49 pm
Operator : sheilac
Sample : op13230-msd
Misc : op13230,Ej633,500,,,1,1,water
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 14 12:25:46 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Oct 14 12:22:32 2009
Response via : Initial Calibration

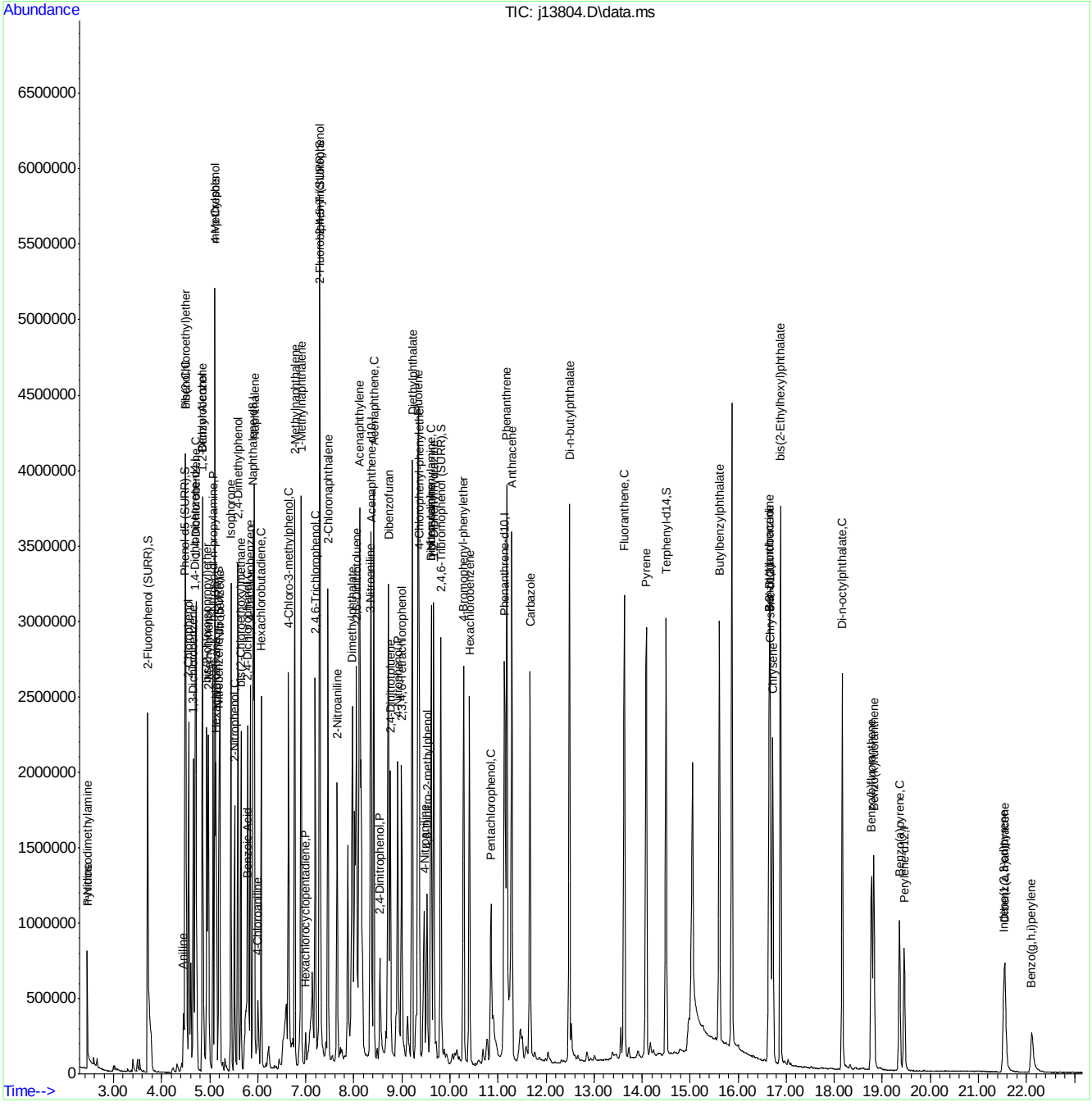
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 4-Chloro-3-methylphenol	6.641	107	705087	49.64	ug/ml	100
34) 2-Methylnaphthalene	6.769	142	1257303	41.39	ug/ml	100
35) 1-Methylnaphthalene	6.903	142	1237780	38.90	ug/ml	99
37) Hexachlorocyclopentadiene	6.994	237	30707	11.96	ug/ml	97
38) 2,4,6-Trichlorophenol	7.197	196	422058	45.58	ug/ml	100
39) 2,4,5-Trichlorophenol	7.288	196	488632	44.47	ug/ml	99
41) 2-Chloronaphthalene	7.464	162	1154269	37.23	ug/ml	100
42) 2-Nitroaniline	7.657	65	508209	48.76	ug/ml	99
43) Dimethylphthalate	7.972	163	1660081	44.55	ug/ml	99
44) Acenaphthylene	8.117	152	1948275	37.08	ug/ml	100
45) 2,6-Dinitrotoluene	8.058	165	385196	43.94	ug/ml#	82
46) 3-Nitroaniline	8.347	138	256607	32.39	ug/ml	93
47) Acenaphthene	8.416	154	1235530	40.02	ug/ml	100
48) 2,4-Dinitrophenol	8.539	184	156004	53.81	ug/ml	95
49) 4-Nitrophenol	8.914	65	246554	48.74	ug/ml	92
50) Dibenzofuran	8.721	168	1848945	41.93	ug/ml	98
51) 2,4-Dinitrotoluene	8.764	165	502505	47.86	ug/ml	99
52) 2,3,4,6-Tetrachlorophenol	8.994	232	371124	45.19	ug/ml	98
53) Diethylphthalate	9.219	149	2231261	57.72	ug/ml	99
54) Fluorene	9.336	166	1655243	43.07	ug/ml	100
55) 4-Chlorophenyl-phenyle...	9.363	204	781423	39.86	ug/ml	99
56) 4-Nitroaniline	9.470	138	294399	46.91	ug/ml	96
58) 1,2-Diphenylhydrazine	9.663	77	1839476	42.28	ug/ml	100
59) 4,6-Dinitro-2-methylph...	9.523	198	232235	42.75	ug/ml	99
60) Diphenylamine	9.609	169	1181922	36.92	ug/ml	100
61) n-Nitrosodiphenylamine	9.609	169	1181922	36.92	ug/ml	100
63) 4-Bromophenyl-phenylether	10.288	248	456173	42.24	ug/ml	98
64) Hexachlorobenzene	10.411	284	506972	43.09	ug/ml	96
65) Pentachlorophenol	10.855	266	222819	53.13	ug/ml	98
66) Phenanthrene	11.187	178	2312925	45.38	ug/ml	99
67) Anthracene	11.289	178	2252576	45.90	ug/ml	100
68) Carbazole	11.668	167	1902268	48.15	ug/ml	99
69) Di-n-butylphthalate	12.492	149	3041198	49.69	ug/ml	99
70) Fluoranthene	13.631	202	2320192	50.21	ug/ml	99
73) Pyrene	14.091	202	2267447	50.67	ug/ml	99
75) Butylbenzylphthalate	15.610	149	1038483	52.10	ug/ml	100
76) Benzo(a)anthracene	16.648	228	1697473	47.51	ug/ml	99
77) 3,3'-Dichlorobenzidine	16.648	252	45760	5.23	ug/ml#	86
78) Chrysene	16.717	228	1468752	48.77	ug/ml	100
79) bis(2-Ethylhexyl)phtha...	16.883	149	1504725	56.19	ug/ml	98
81) Di-n-octylphthalate	18.167	149	1943477	57.98	ug/ml	100
82) Benzo(b)fluoranthene	18.777	252	1072239	51.36	ug/ml	96
83) Benzo(k)fluoranthene	18.825	252	1076086	56.43	ug/ml	99
84) Benzo(a)pyrene	19.360	252	804866	45.16	ug/ml#	10
85) Indeno(1,2,3-cd)pyrene	21.531	276	676191	44.99	ug/ml	97
86) Dibenz(a,h)anthracene	21.553	278	565103	45.30	ug/ml	98
87) Benzo(g,h,i)perylene	22.109	276	444657	39.16	ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13804.D
Acq On : 13 Oct 2009 8:49 pm
Operator : sheilac
Sample : op13230-msd
Misc : op13230,Ej633,500,,,1,1,water
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 14 12:25:46 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Oct 14 12:22:32 2009
Response via : Initial Calibration



Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13804.D
Acq On    : 13 Oct 2009   8:49 pm
Operator  : sheilac
Sample    : op13230-msd
Misc      : op13230,Ej633,500,,,1,1,water
ALS Vial  : 22   Sample Multiplier: 1

Quant Time: Oct 14 12:25:46 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :
QLast Update : Wed Oct 14 12:22:32 2009
Response via : Initial Calibration
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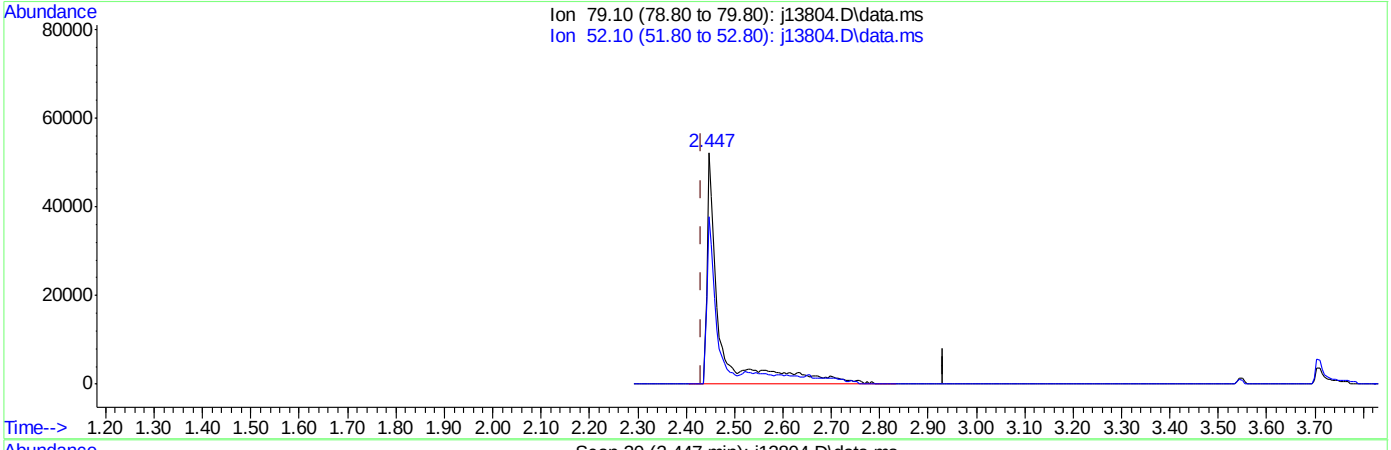
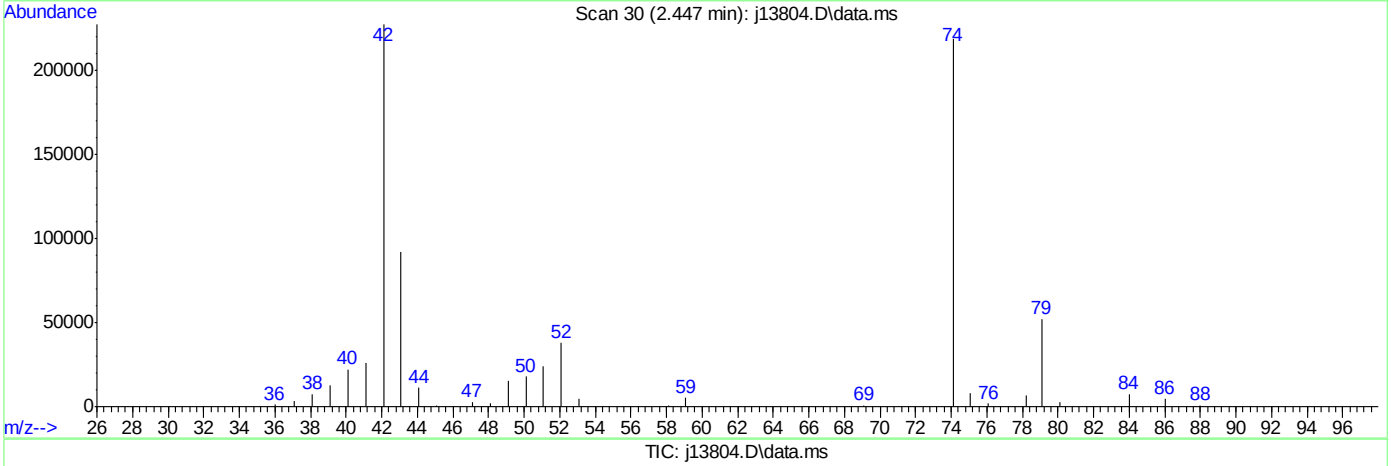




(3) Pyridine

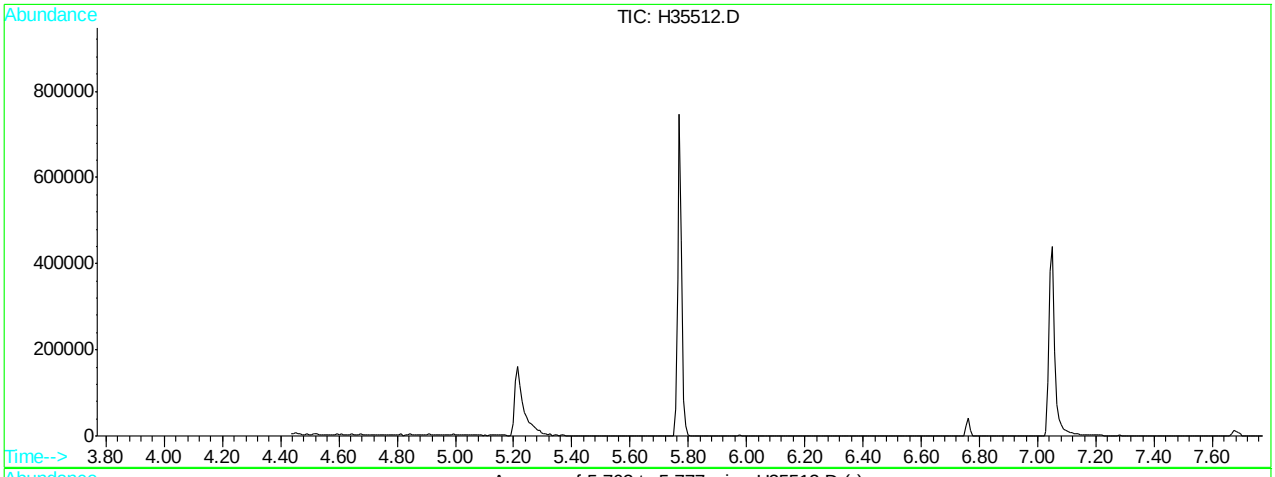
2.447min (+0.015) 6.58ug/ml m

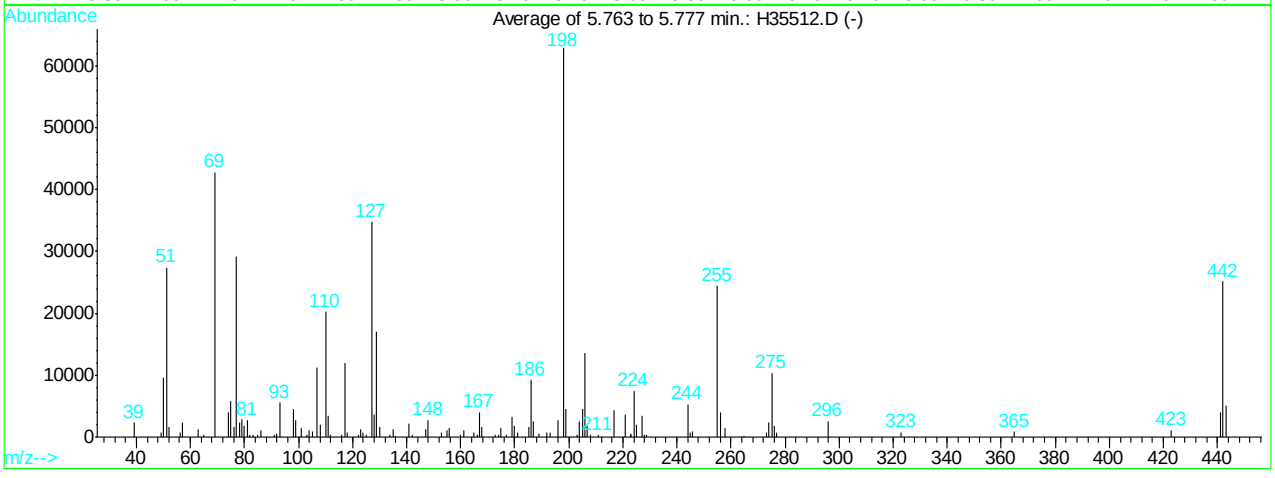
response 97153

Ion	Exp%	Act%
79.10	100	100
52.10	72.60	49.51#
0.00	0.00	0.00
0.00	0.00	0.00

DFTPP

Data File : C:\HPCHEM\1\DATA\EH1918\H35512.D Vial: 1
Acq On : 21 Oct 2009 10:48 am Operator: sheilac
Sample : dftpp Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title : 8270 BNA TUNING STD'S





AutoFind: Scans 180, 181, 182; Background Corrected with Scan 176

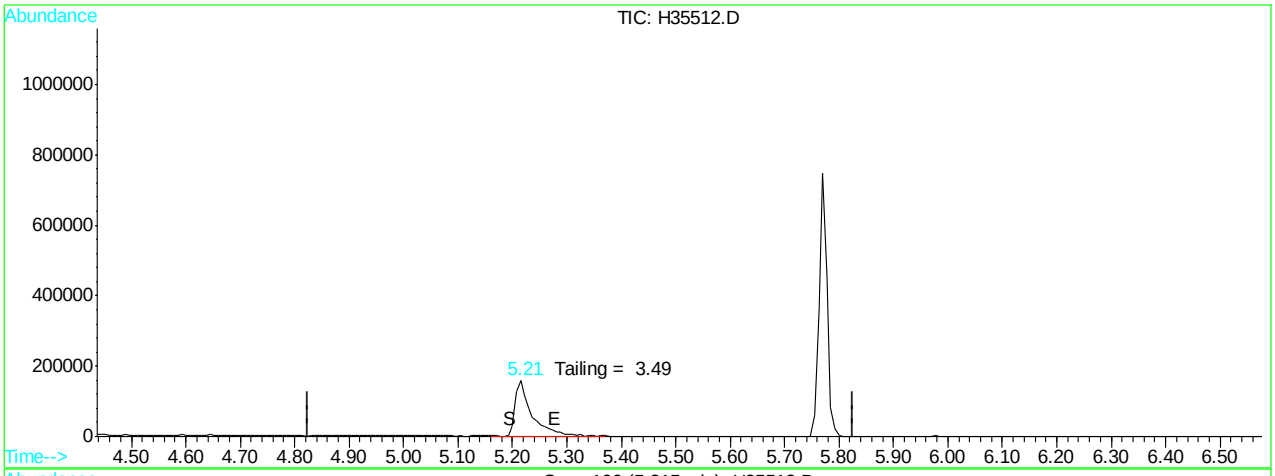
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	43.7	27424	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	68.1	42760	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	55.3	34749	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	62797	PASS
199	198	5	9	7.1	4472	PASS
275	198	10	30	16.5	10382	PASS
365	198	1	100	1.4	872	PASS
441	443	0.01	100	79.6	4082	PASS
442	198	40	100	40.0	25149	PASS
443	442	17	23	20.4	5127	PASS

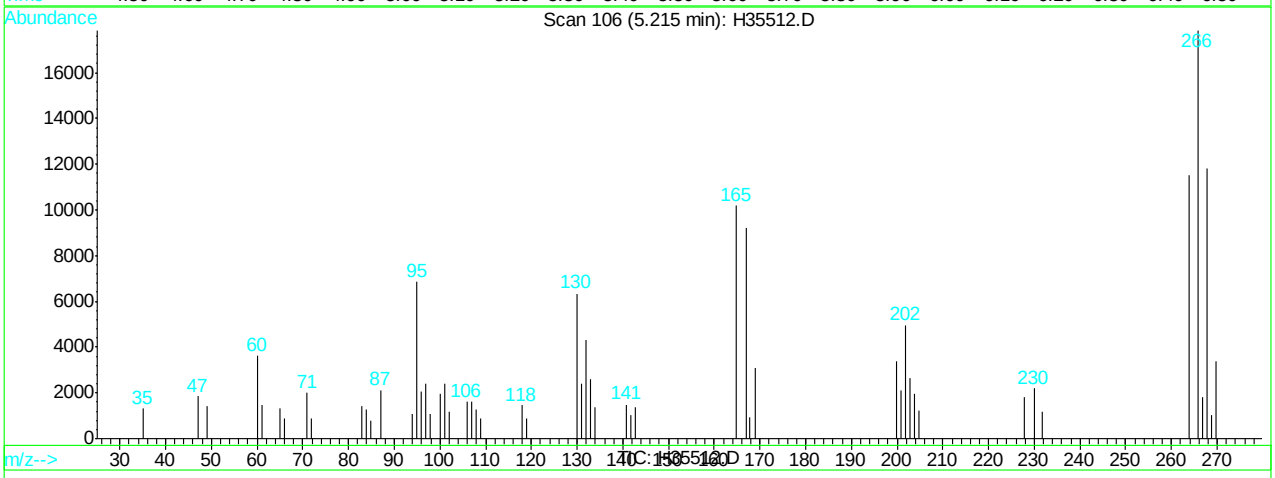
H35512.D DFTPP.M Wed Oct 21 10:55:10 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35512.D Vial: 1
Acq On : 21 Oct 2009 10:48 am Operator: sheilac
Sample : dftpp Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 21 10:55 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title : 8270 BNA TUNING STD'S
Last Update : Thu Oct 08 13:23:36 2009
Response via : Single Level Calibration





(1) Pentachlorophenol

5.21min 0.00

response 342661

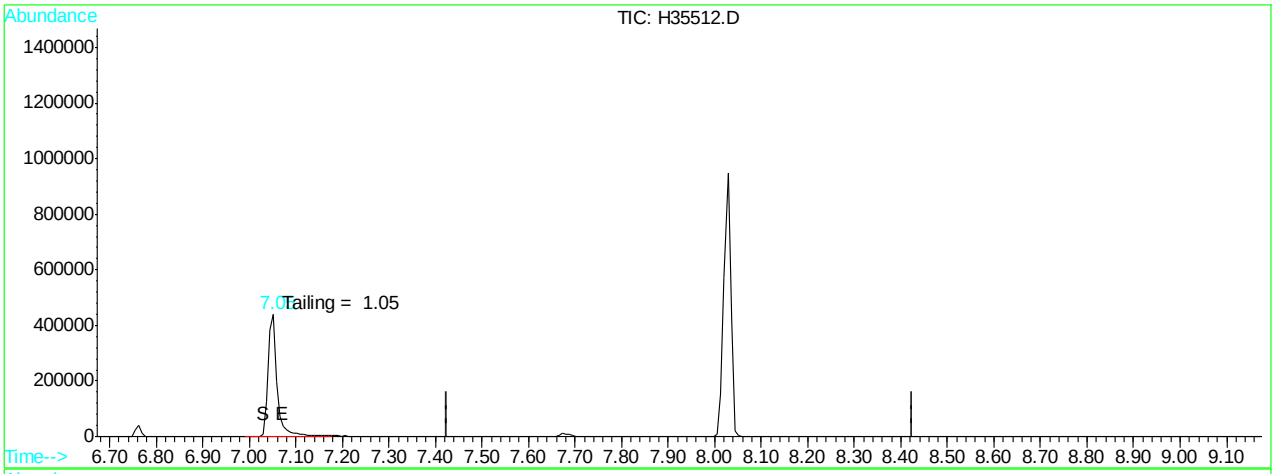
Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

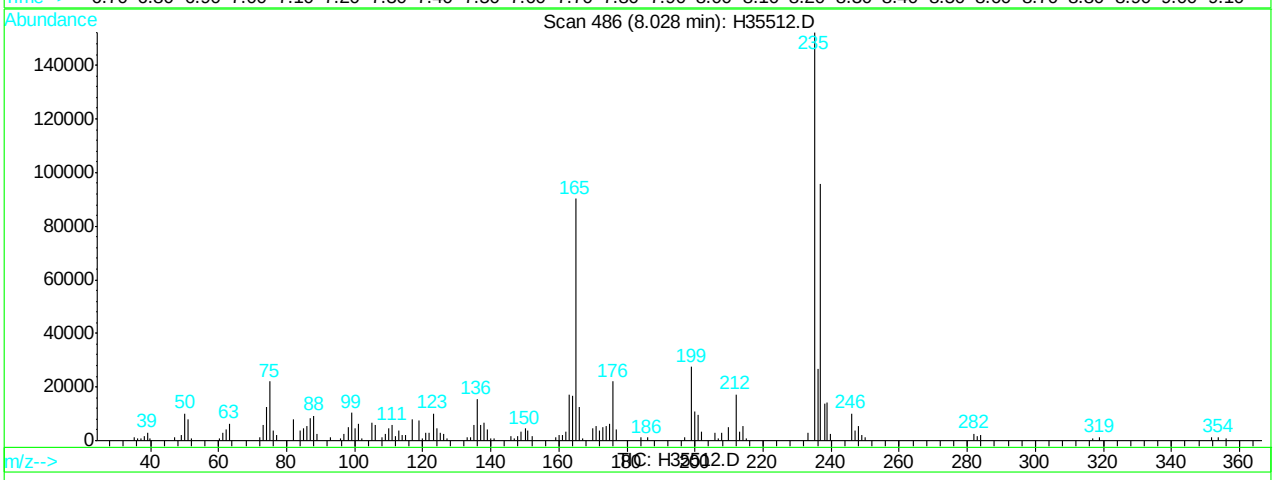
H35512.D DFTPP.M Wed Oct 21 10:55:37 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35512.D Vial: 1
Acq On : 21 Oct 2009 10:48 am Operator: sheilac
Sample : dftpp Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 21 10:55 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title : 8270 BNA TUNING STD'S
Last Update : Thu Oct 08 13:23:36 2009
Response via : Single Level Calibration





(3) Benzidine

8.03min 0.00

response 943744

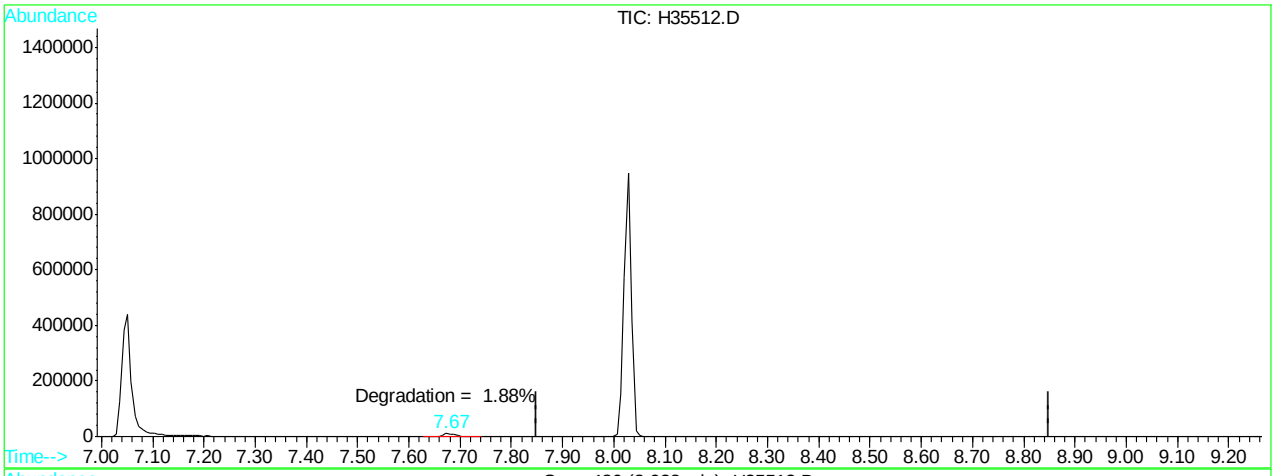
Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

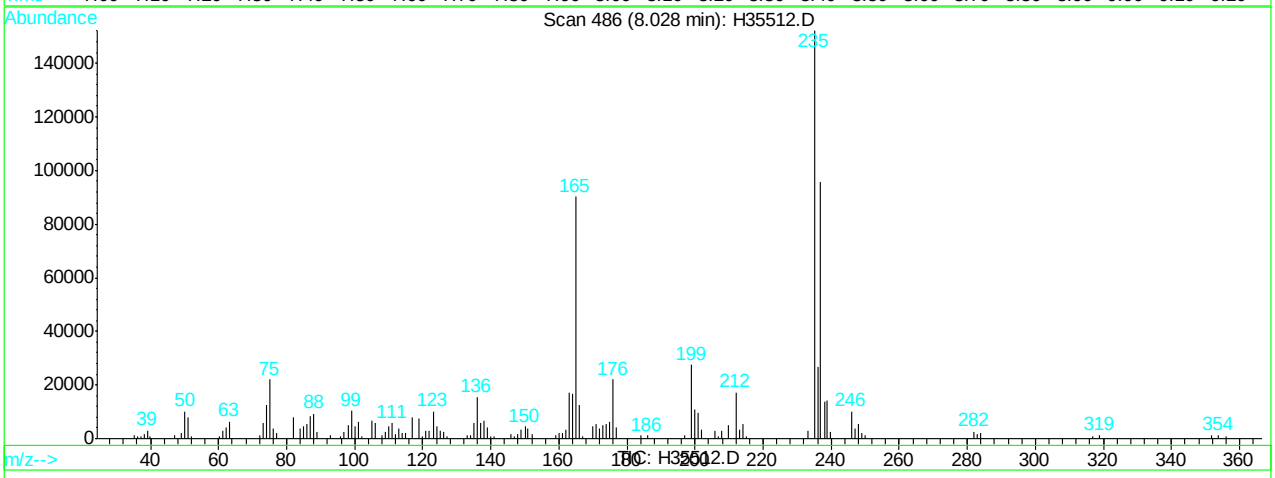
H35512.D DFTPP.M Wed Oct 21 10:55:47 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35512.D Vial: 1
Acq On : 21 Oct 2009 10:48 am Operator: sheilac
Sample : dftpp Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 21 10:55 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title : 8270 BNA TUNING STD'S
Last Update : Thu Oct 08 13:23:36 2009
Response via : Single Level Calibration





(4) DDT

8.03min 0.00

response 943744

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

H35512.D DFTPP.M Wed Oct 21 10:55:56 2009

DFTPP

```
Data File : C:\HPCHEM\1\DATA\EH1919\H35543.D            Vial: 1
Acq On    : 22 Oct 2009  11:03 am                   Operator: sheilac
Sample    : dftpp                                   Inst    : TXMSH
Misc      : OP12779,EH1919,1000,,,1,1,water         Multiplr: 1.00
MS Integration Params: rteint.p
Method    : C:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title     : 8270 BNA TUNING STD'S
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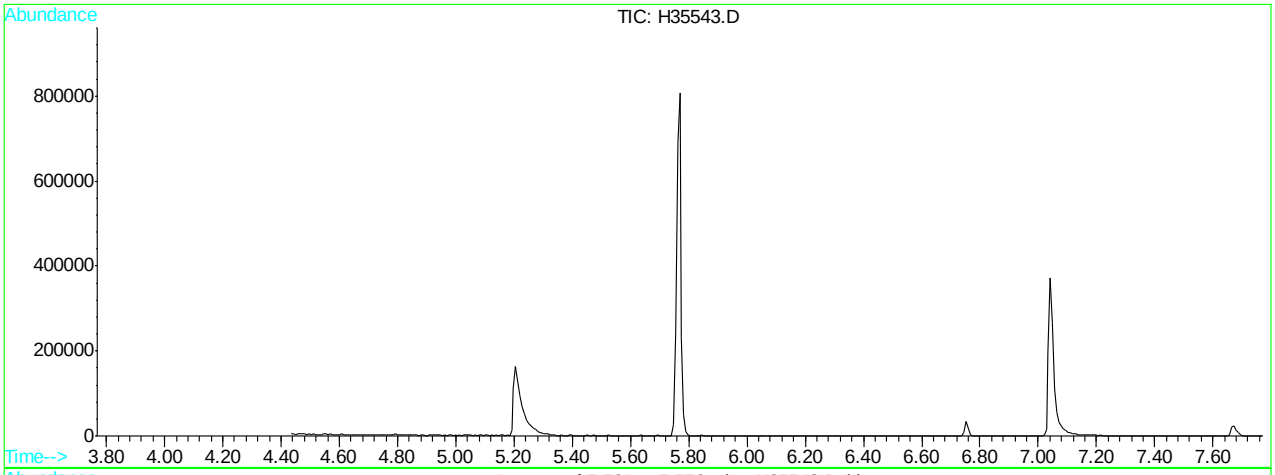
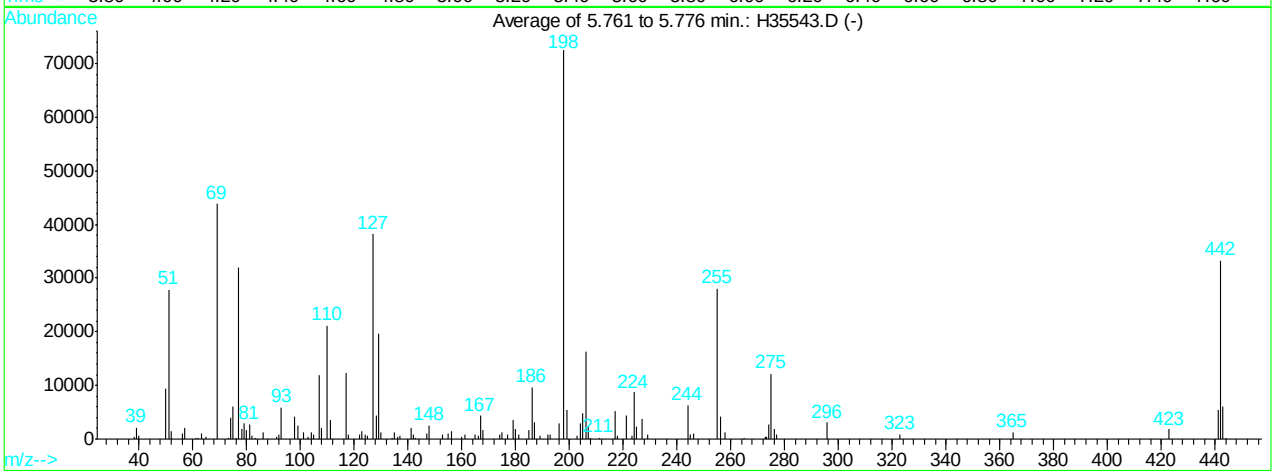




AutoFind: Scans 180, 181, 182; Background Corrected with Scan 175

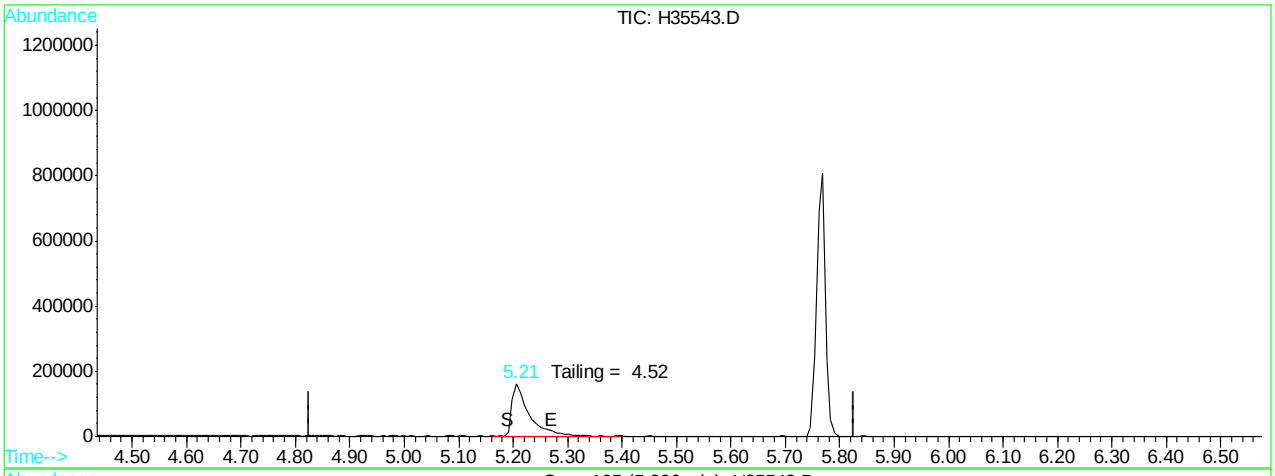
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	38.5	27870	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	60.5	43827	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	52.7	38197	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	72445	PASS
199	198	5	9	7.5	5433	PASS
275	198	10	30	16.9	12215	PASS
365	198	1	100	1.8	1283	PASS
441	443	0.01	100	88.3	5444	PASS
442	198	40	100	45.9	33280	PASS
443	442	17	23	18.5	6166	PASS

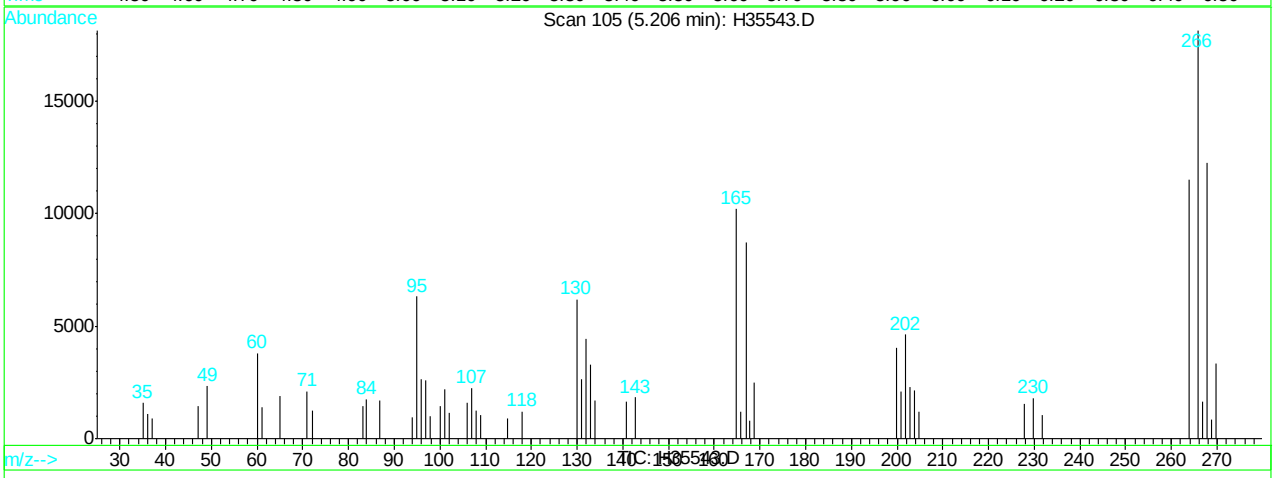
H35543.D DFTPP.M Thu Oct 22 11:06:22 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35543.D Vial: 1
Acq On : 22 Oct 2009 11:03 am Operator: sheilac
Sample : dftpp Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 22 11:06 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title : 8270 BNA TUNING STD'S
Last Update : Thu Oct 08 13:23:36 2009
Response via : Single Level Calibration





(1) Pentachlorophenol

5.21min 0.00

response 350312

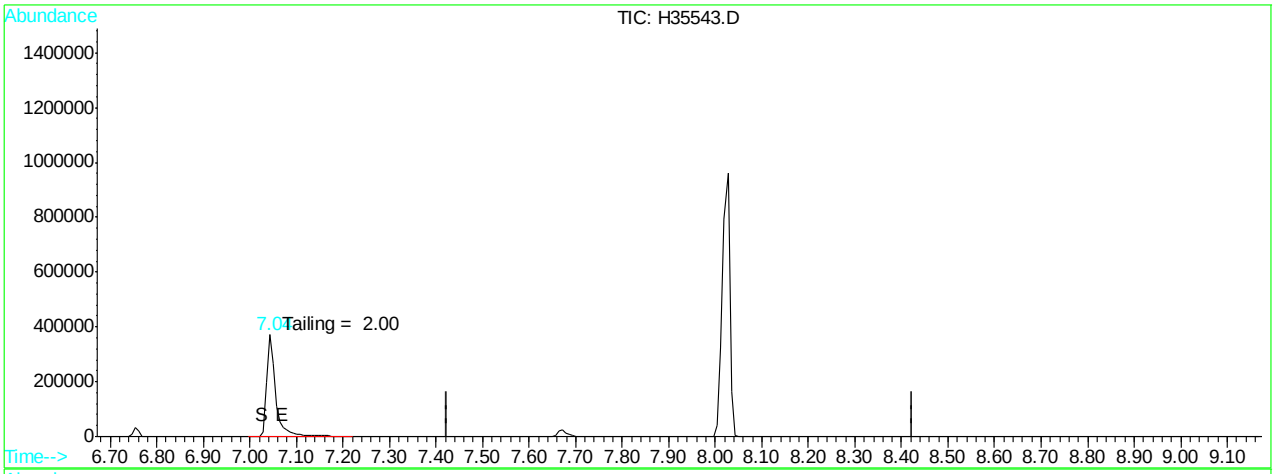
Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

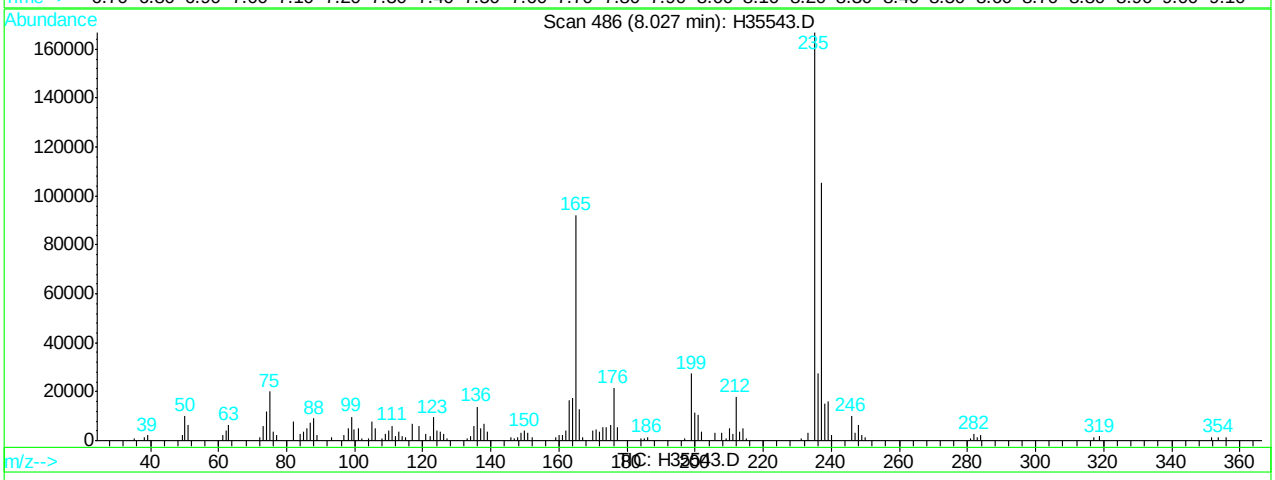
H35543.D DFTPP.M Thu Oct 22 11:06:44 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35543.D Vial: 1
Acq On : 22 Oct 2009 11:03 am Operator: sheilac
Sample : dftpp Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 22 11:06 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title : 8270 BNA TUNING STD'S
Last Update : Thu Oct 08 13:23:36 2009
Response via : Single Level Calibration





(3) Benzidine

8.03min 0.00

response 1016552

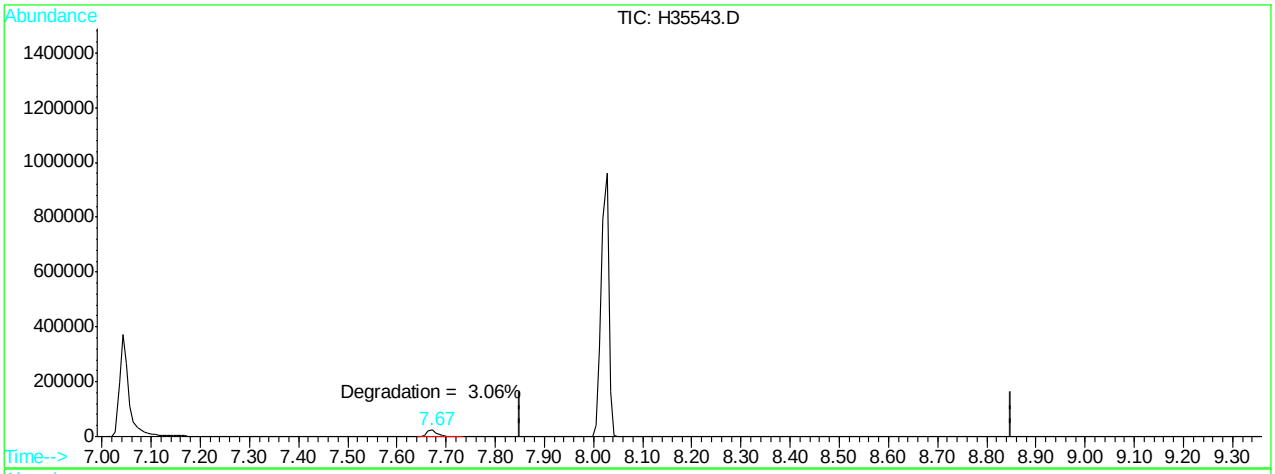
Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

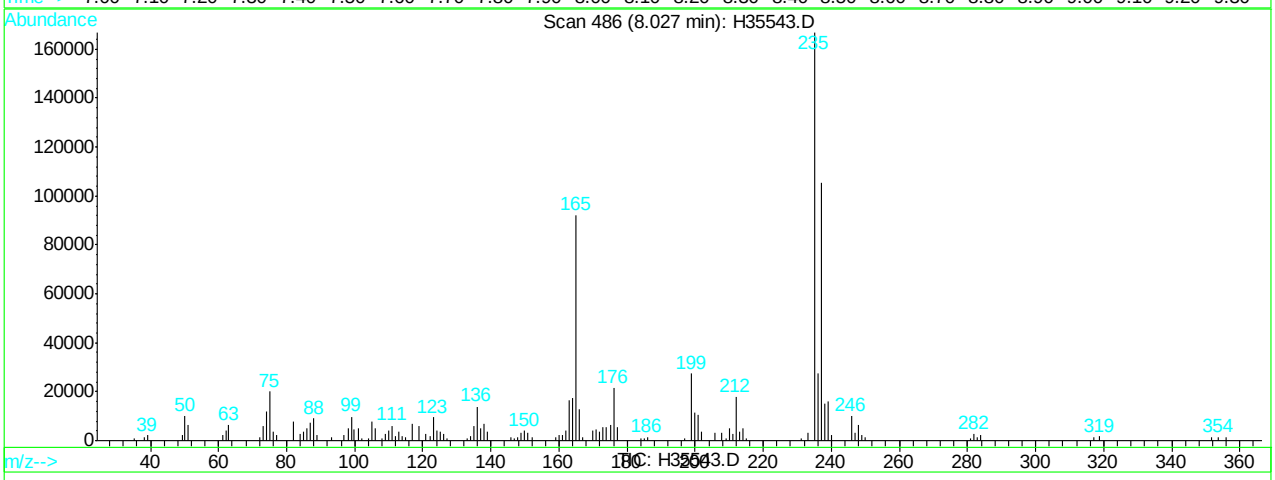
H35543.D DFTPP.M Thu Oct 22 11:06:52 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35543.D Vial: 1
Acq On : 22 Oct 2009 11:03 am Operator: sheilac
Sample : dftpp Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 22 11:06 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title : 8270 BNA TUNING STD'S
Last Update : Thu Oct 08 13:23:36 2009
Response via : Single Level Calibration





(4) DDT

8.03min 0.00

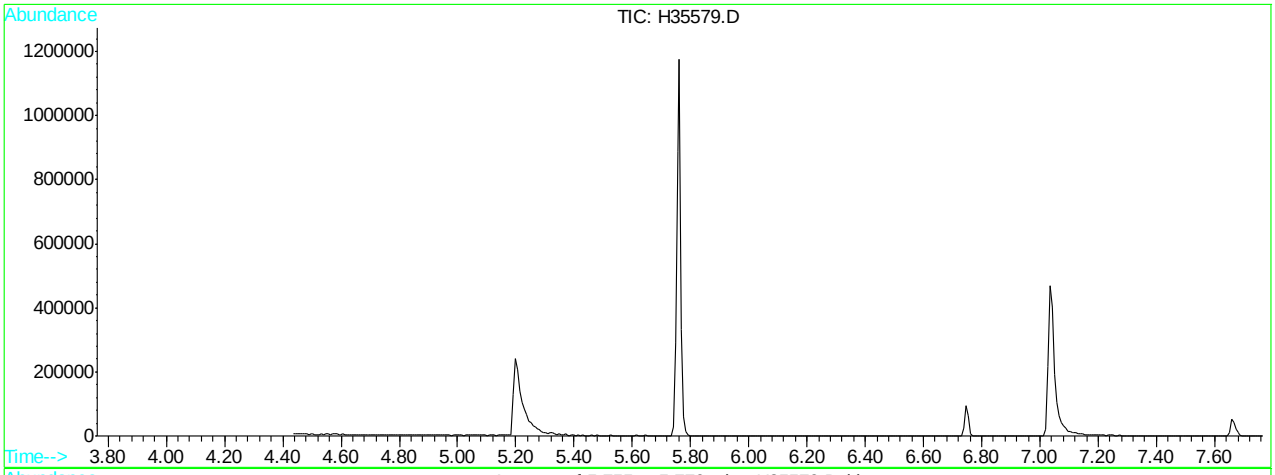
response 1016552

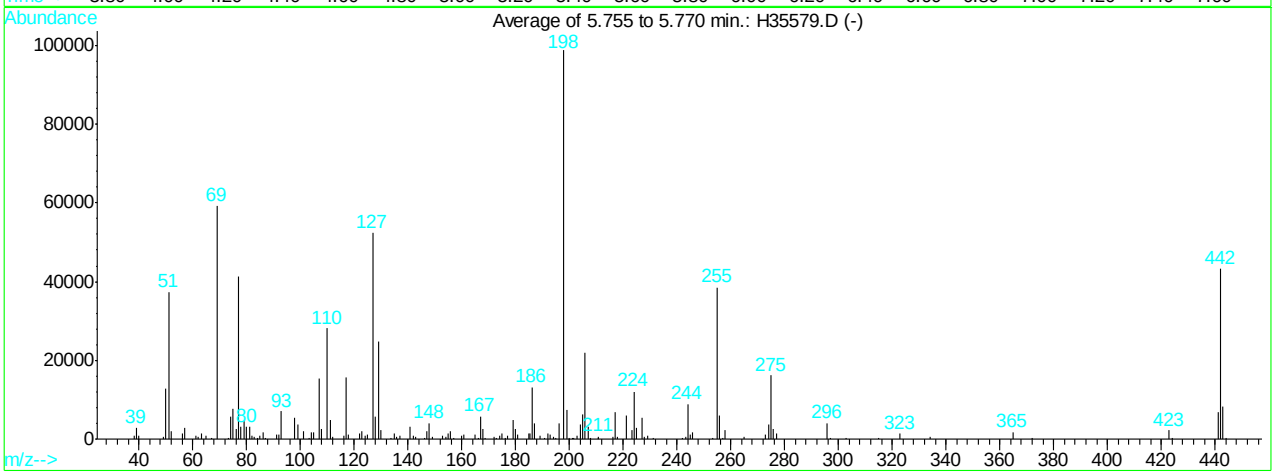
Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

H35543.D DFTPP.M Thu Oct 22 11:07:01 2009

DFTPP

Data File : C:\HPCHEM\1\DATA\EH1920\H35579.D Vial: 1
Acq On : 23 Oct 2009 10:52 am Operator: sheilac
Sample : dftpp Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title : 8270 BNA TUNING STD'S





AutoFind: Scans 179, 180, 181; Background Corrected with Scan 174

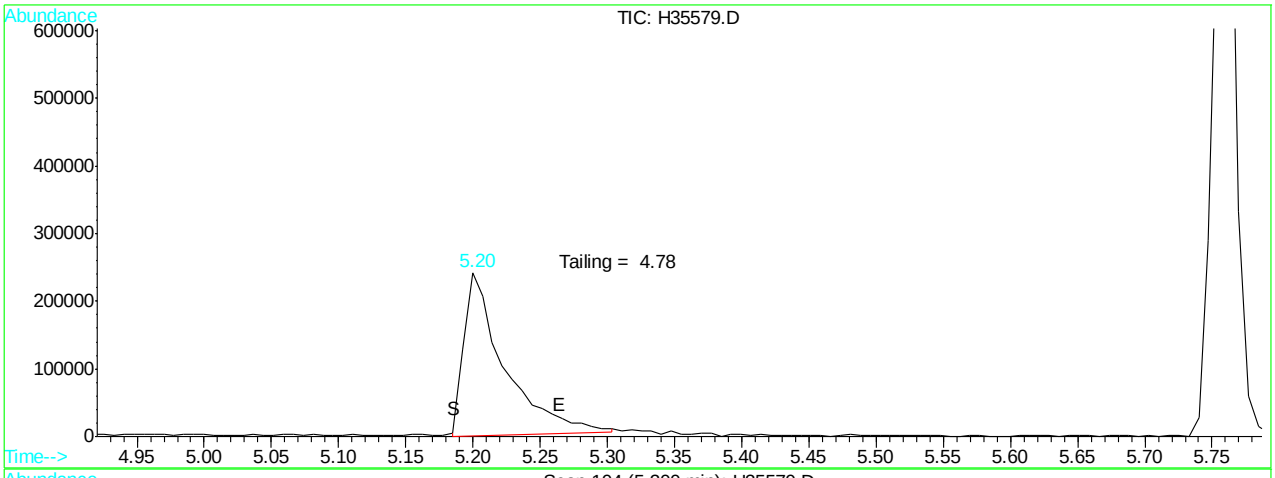
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	37.9	37381	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	59.9	59141	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	53.0	52288	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	98720	PASS
199	198	5	9	7.6	7541	PASS
275	198	10	30	16.4	16213	PASS
365	198	1	100	1.8	1790	PASS
441	443	0.01	100	80.6	6753	PASS
442	198	40	100	43.7	43176	PASS
443	442	17	23	19.4	8380	PASS

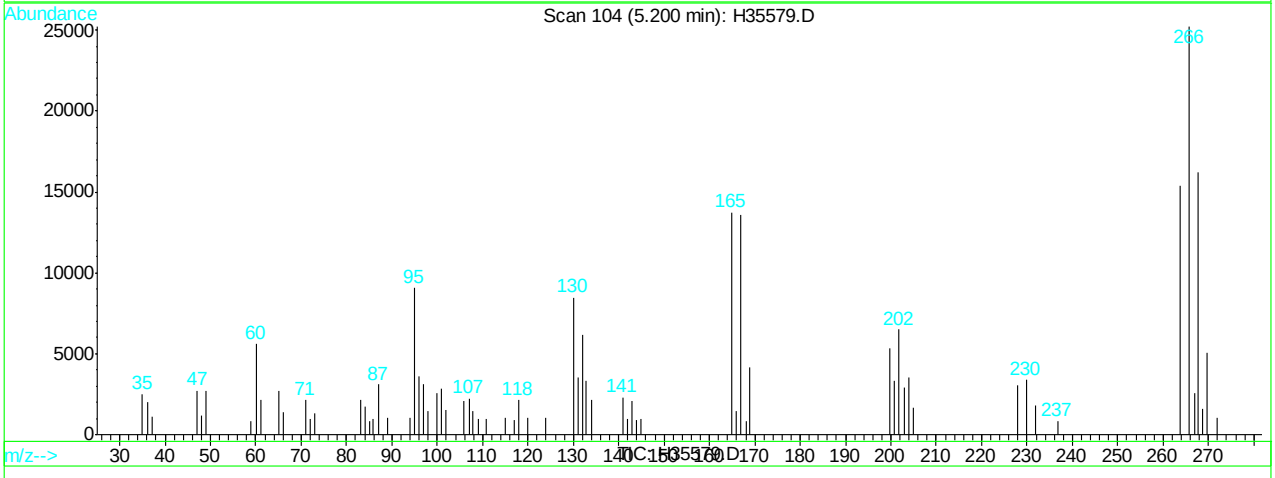
H35579.D DFTPP.M Fri Oct 23 16:43:38 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35579.D Vial: 1
Acq On : 23 Oct 2009 10:52 am Operator: sheilac
Sample : dftpp Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 16:44 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title : 8270 BNA TUNING STD'S
Last Update : Thu Oct 08 13:23:36 2009
Response via : Single Level Calibration





(1) Pentachlorophenol

5.20min 0.00 m

response 513355

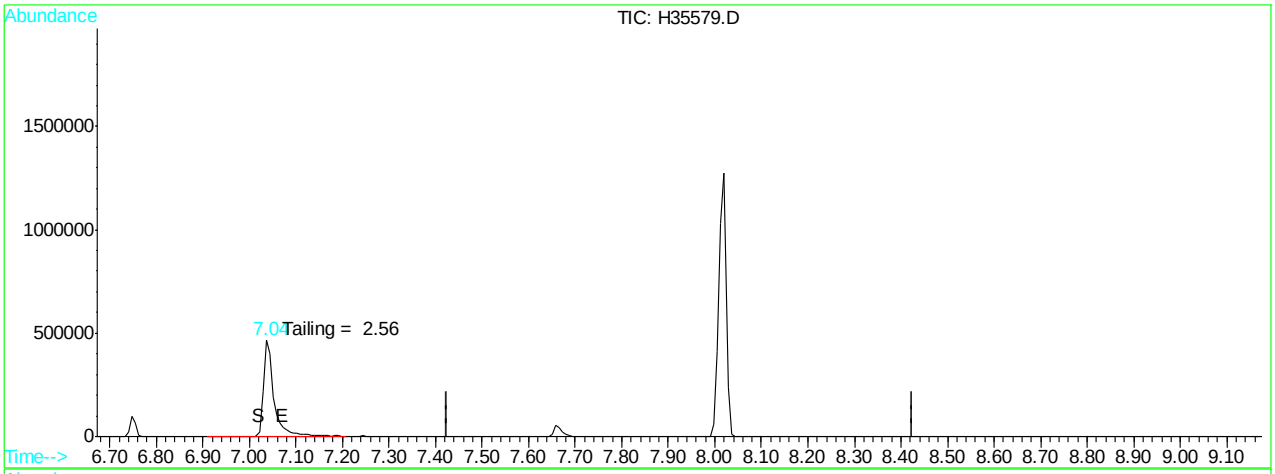
Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

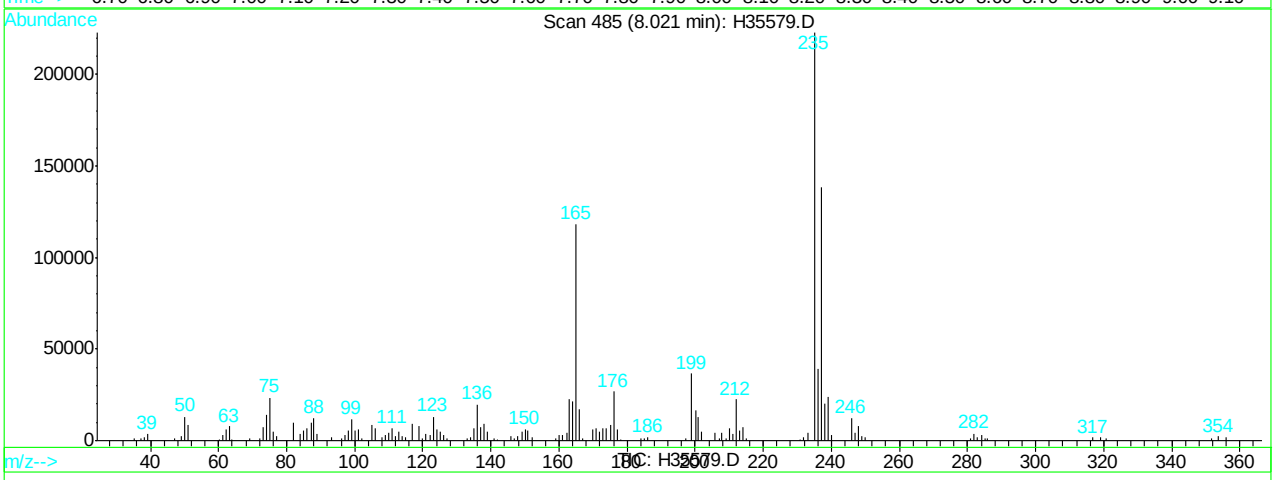
H35579.D DFTPP.M Fri Oct 23 16:44:16 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35579.D Vial: 1
Acq On : 23 Oct 2009 10:52 am Operator: sheilac
Sample : dftpp Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 16:44 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title : 8270 BNA TUNING STD'S
Last Update : Thu Oct 08 13:23:36 2009
Response via : Single Level Calibration





(3) Benzidine

8.02min 0.00

response 1344226

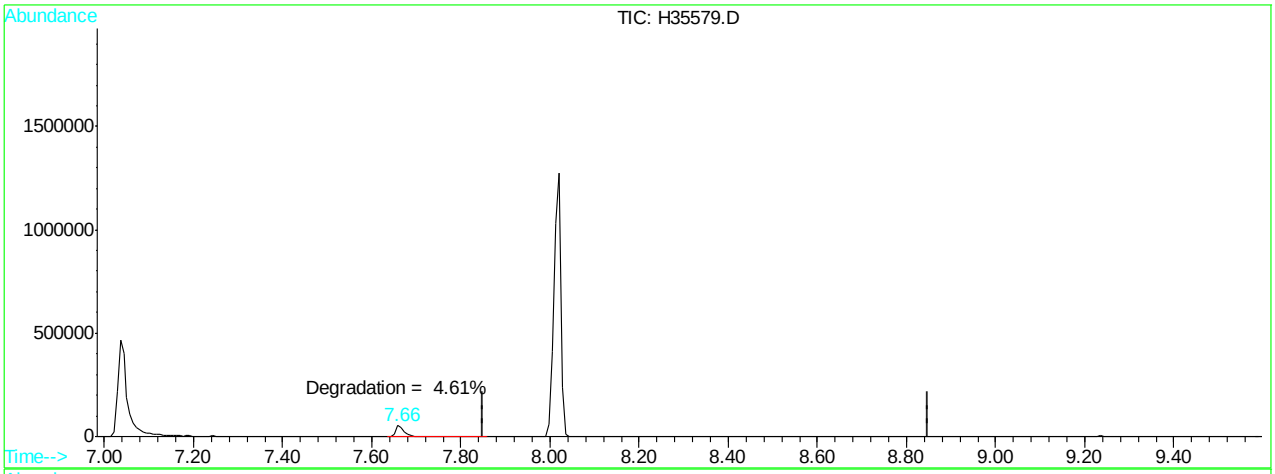
Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

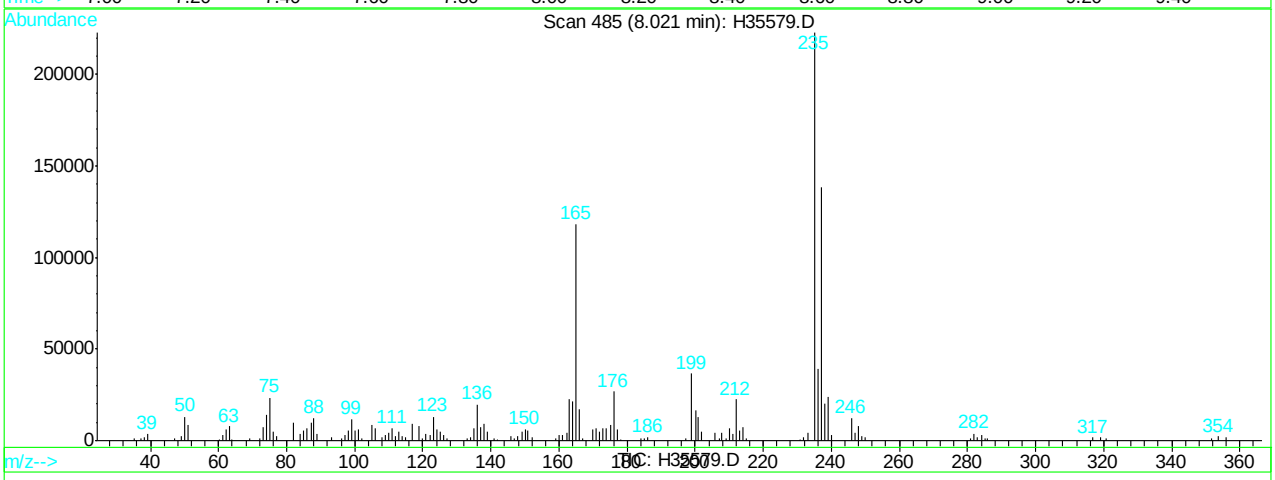
H35579.D DFTPP.M Fri Oct 23 16:44:26 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35579.D Vial: 1
Acq On : 23 Oct 2009 10:52 am Operator: sheilac
Sample : dftpp Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 16:44 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title : 8270 BNA TUNING STD'S
Last Update : Thu Oct 08 13:23:36 2009
Response via : Single Level Calibration





(4) DDT

8.02min 0.00

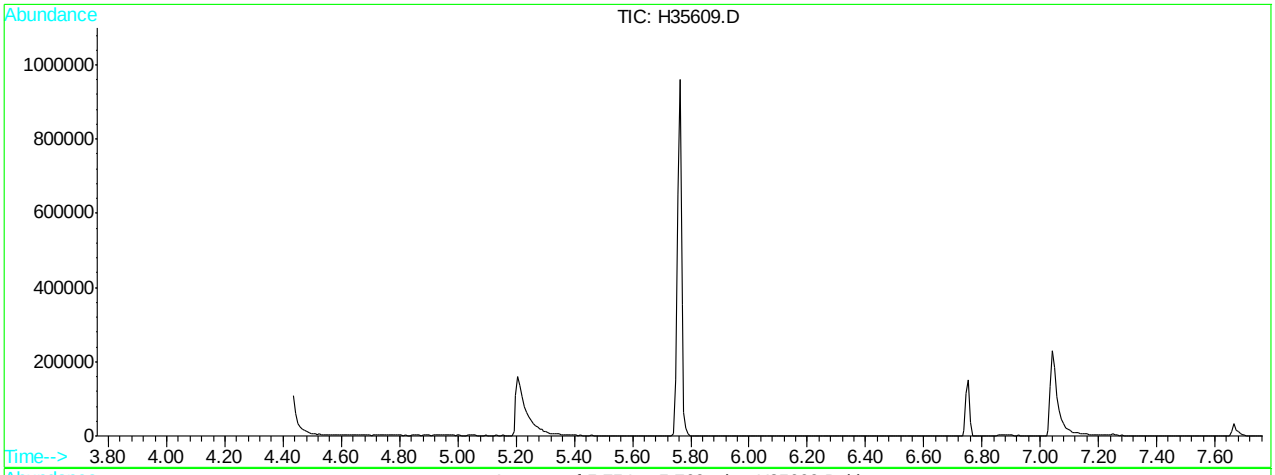
response 1344226

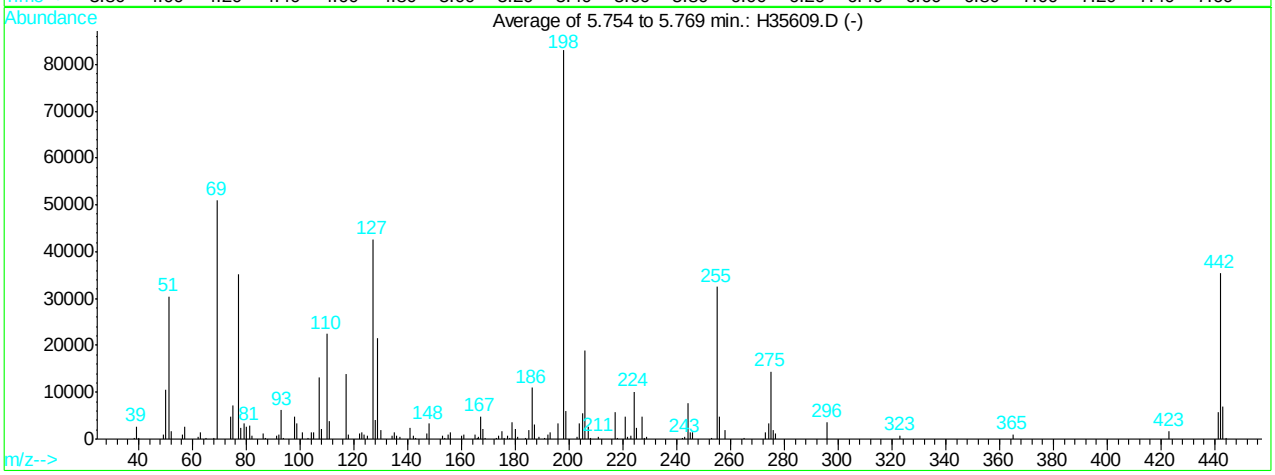
Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

H35579.D DFTPP.M Fri Oct 23 16:44:35 2009

DFTPP

Data File : C:\HPCHEM\1\DATA\EH1921\H35609.D Vial: 1
Acq On : 26 Oct 2009 11:48 am Operator: sheilac
Sample : dftpp Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title : 8270 BNA TUNING STD'S





AutoFind: Scans 179, 180, 181; Background Corrected with Scan 174

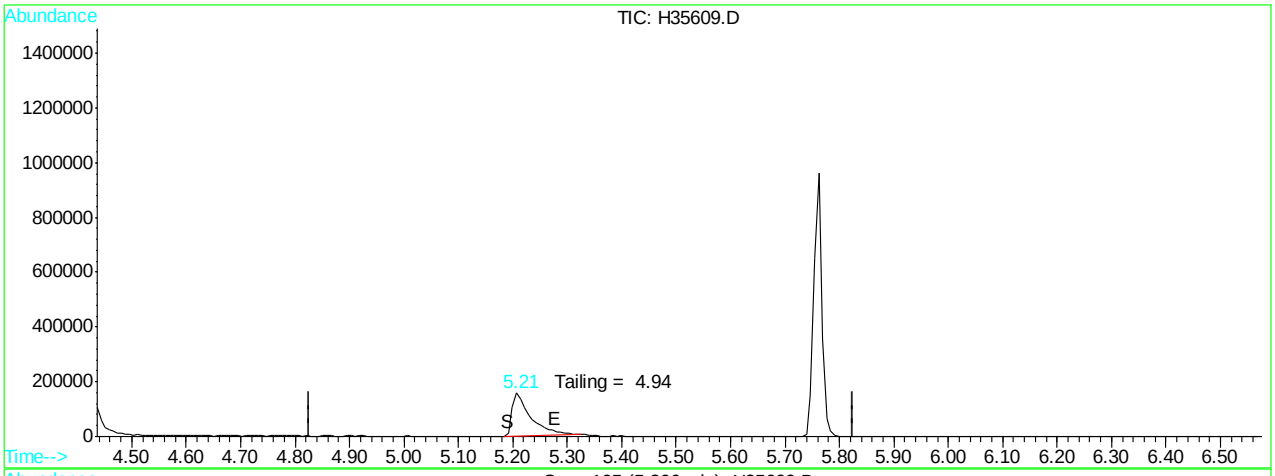
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	36.8	30518	PASS
68	69	0.00	2	0.7	335	PASS
69	198	0.00	100	61.5	51037	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	51.5	42709	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	82971	PASS
199	198	5	9	7.2	5941	PASS
275	198	10	30	17.3	14393	PASS
365	198	1	100	1.3	1044	PASS
441	443	0.01	100	83.4	5735	PASS
442	198	40	100	42.8	35488	PASS
443	442	17	23	19.4	6877	PASS

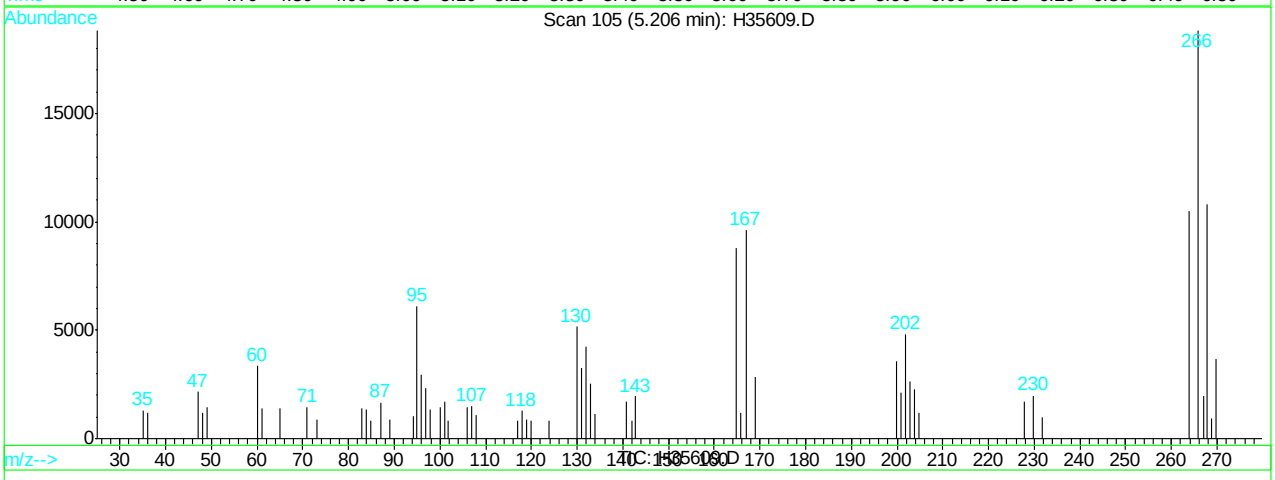
H35609.D DFTPP.M Mon Oct 26 11:59:41 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35609.D Vial: 1
Acq On : 26 Oct 2009 11:48 am Operator: sheilac
Sample : dftpp Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 26 11:58 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title : 8270 BNA TUNING STD'S
Last Update : Thu Oct 08 13:23:36 2009
Response via : Single Level Calibration





(1) Pentachlorophenol

5.21min 0.00

response 422979

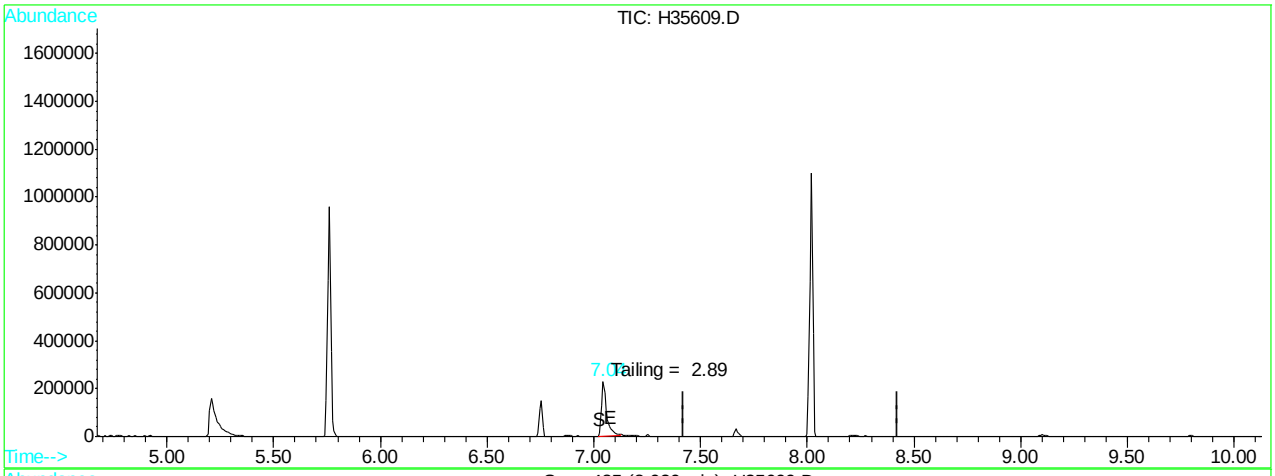
Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

H35609.D DFTPP.M Mon Oct 26 12:00:57 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35609.D Vial: 1
Acq On : 26 Oct 2009 11:48 am Operator: sheilac
Sample : dftpp Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 26 11:58 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title : 8270 BNA TUNING STD'S
Last Update : Thu Oct 08 13:23:36 2009
Response via : Single Level Calibration



(3) Benzidine

8.02min 0.00

response 1056070

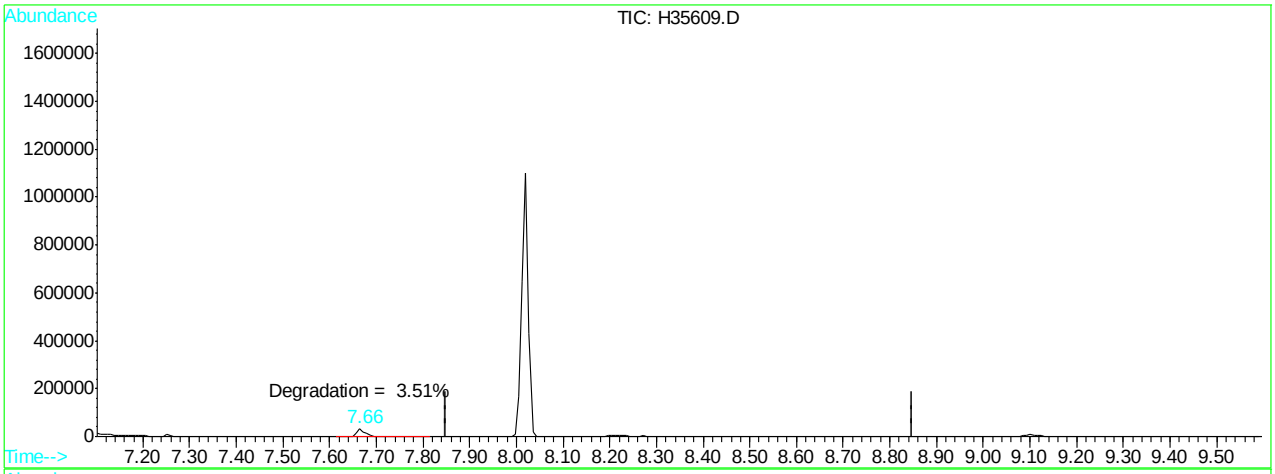
Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

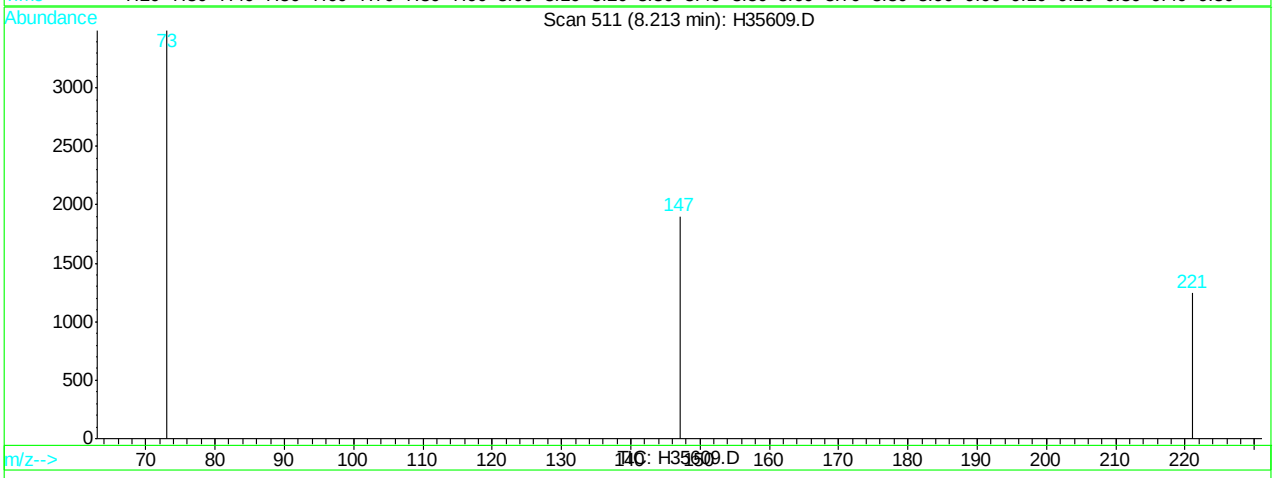
H35609.D DFTPP.M Mon Oct 26 12:01:39 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35609.D Vial: 1
Acq On : 26 Oct 2009 11:48 am Operator: sheilac
Sample : dftpp Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 26 11:58 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title : 8270 BNA TUNING STD'S
Last Update : Thu Oct 08 13:23:36 2009
Response via : Single Level Calibration





(4) DDT

8.21min 0.00

response 14968

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

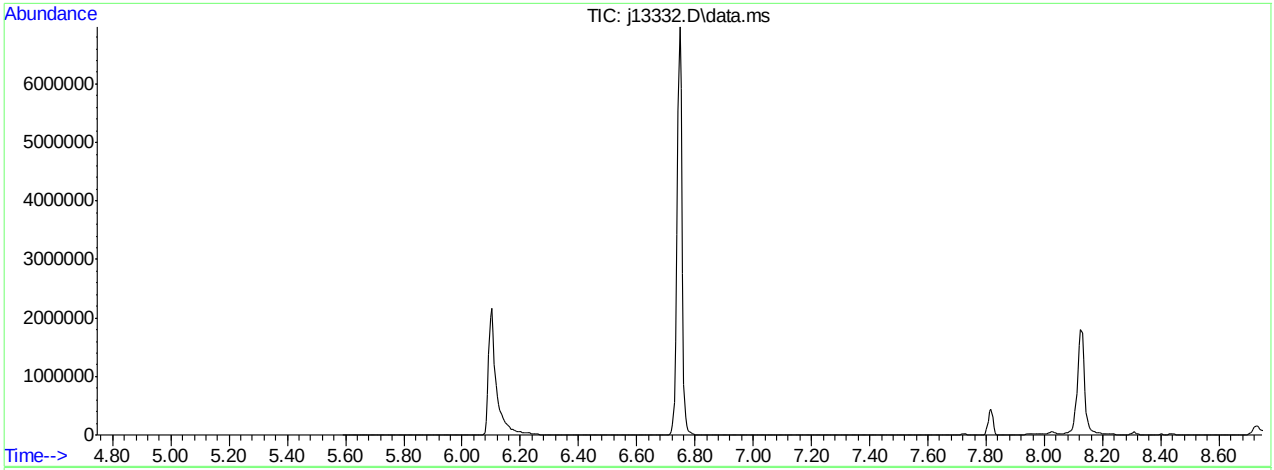
H35609.D DFTPP.M Mon Oct 26 12:01:47 2009

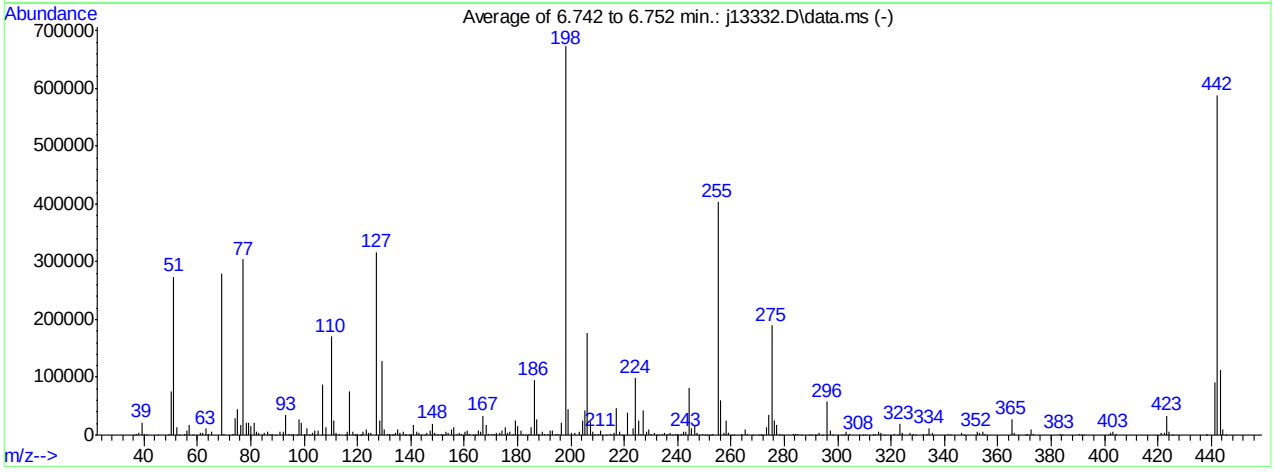
DFTPP

Data File : C:\msdchem\1\DATA\ej615\j13332.D
Acq On : 23 Sep 2009 10:37 am
Sample : dftpp
Misc : op12949,Ej615,1000,,,1,1,water
MS Integration Params: rteint.p

Vial: 1
Operator: sheilac
Inst : AGC-VOA-MSJ
Multiplr: 1.00

Method : C:\msdchem\1\METHODS\dftpp.m (RTE Integrator)
Title :





AutoFind: Scans 240, 241, 242; Background Corrected with Scan 230

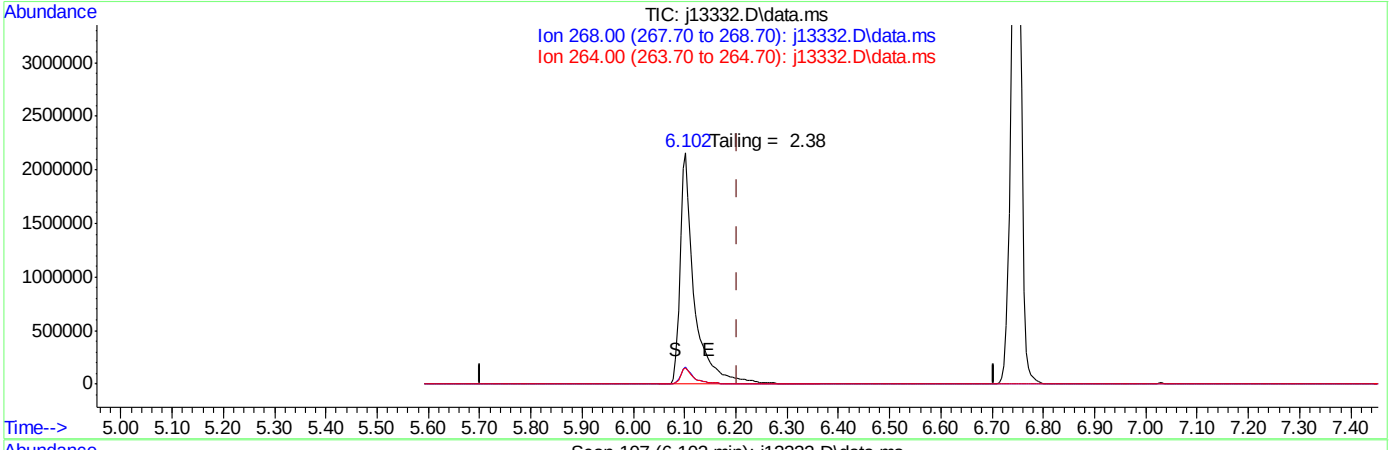
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	40.7	273877	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	41.5	279189	PASS
70	69	0.00	2	0.5	1498	PASS
127	198	40	60	47.0	316309	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	672661	PASS
199	198	5	9	6.7	45149	PASS
275	198	10	30	28.3	190080	PASS
365	198	1	100	4.2	27997	PASS
441	443	0.01	100	81.4	92136	PASS
442	198	40	100	87.4	588053	PASS
443	442	17	23	19.3	113253	PASS

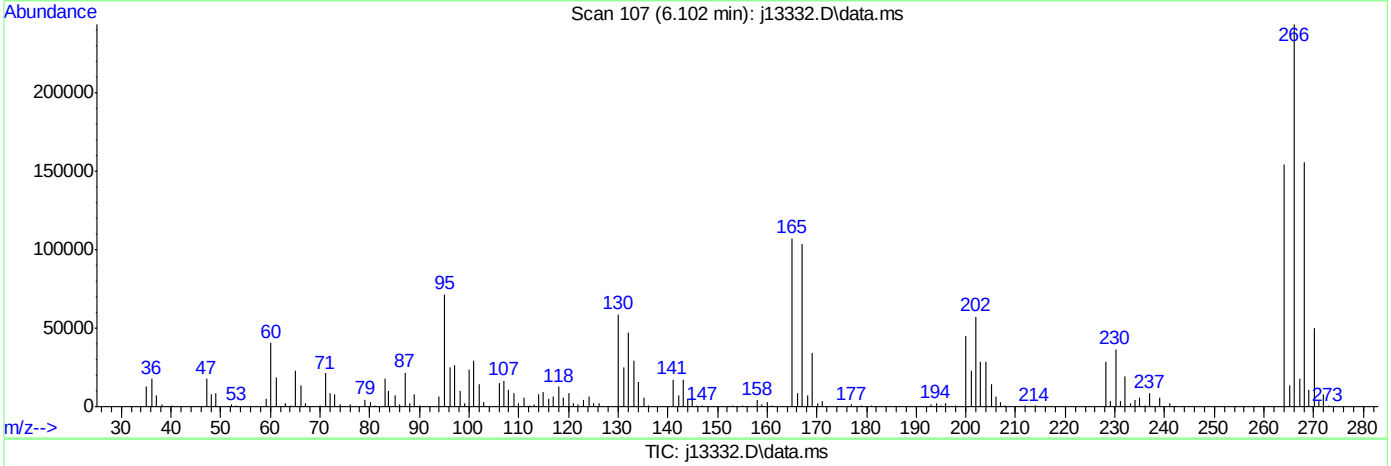
j13332.D dftpp.m Wed Sep 23 15:20:32 2009

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13332.D
Acq On    : 23 Sep 2009  10:37 am
Operator  : sheilac
Sample    : dftpp
Misc      : op12949,Ej615,1000,,,1,1,water
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Sep 23 10:48:05 2009
Quant Method : C:\msdchem\1\METHODS\dftpp.m
Quant Title  :
QLast Update : Wed Sep 23 10:27:18 2009
Response via : Initial Calibration
```





TIC: j13332.D\data.ms

(1) Pentachlorophenol

6.102min (-0.101) 0.00

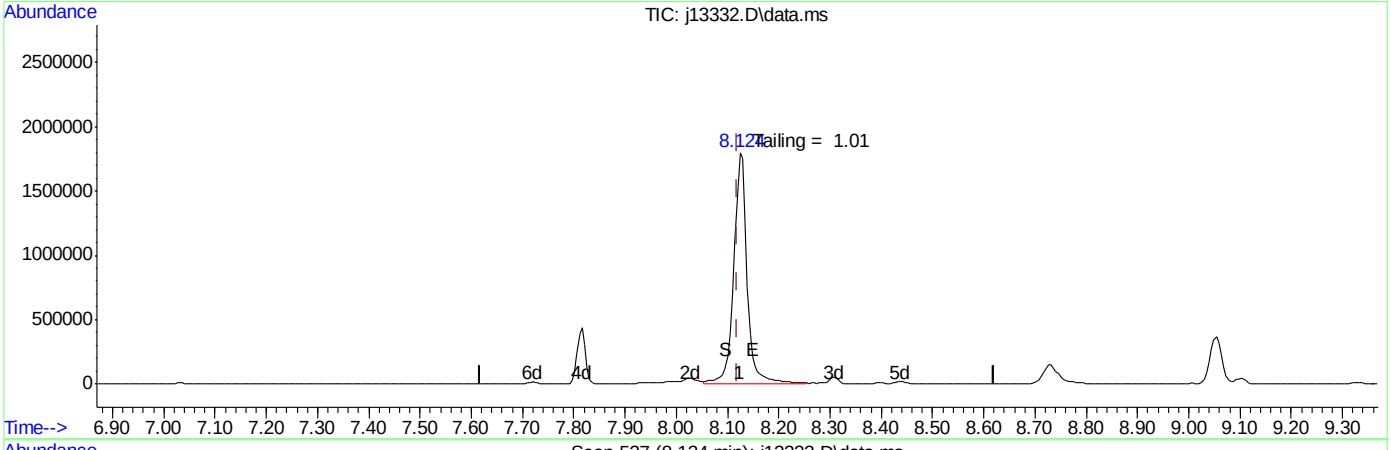
response 4154366

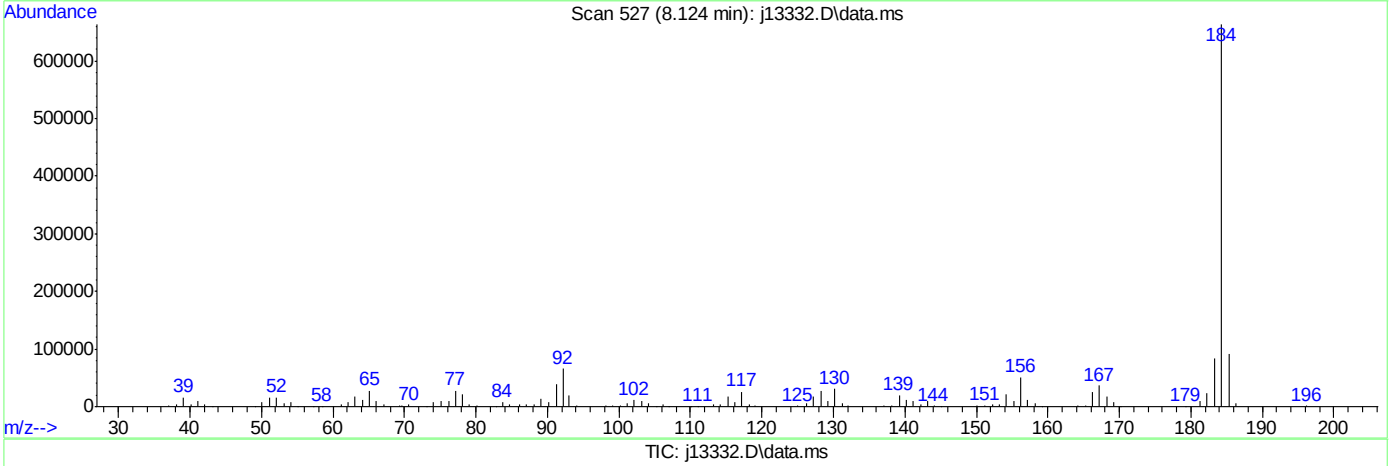
Signal	Exp%	Act%
TIC	100	100
268.00	713.00	7.36#
264.00	697.70	7.20#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13332.D
Acq On    : 23 Sep 2009  10:37 am
Operator  : sheilac
Sample    : dftpp
Misc      : op12949,Ej615,1000,,,1,1,water
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Sep 23 10:48:05 2009
Quant Method : C:\msdchem\1\METHODS\dftpp.m
Quant Title  :
QLast Update : Wed Sep 23 10:27:18 2009
Response via : Initial Calibration
```





TIC: j13332.D\data.ms

(3) Benzidine

8.124min (+0.005) 0.00

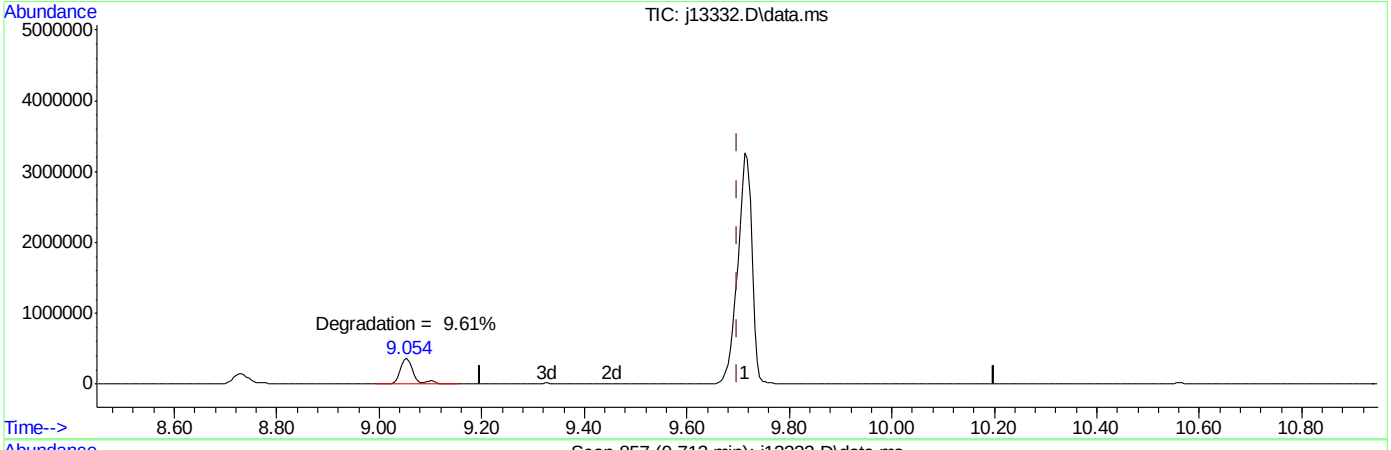
response 3263174

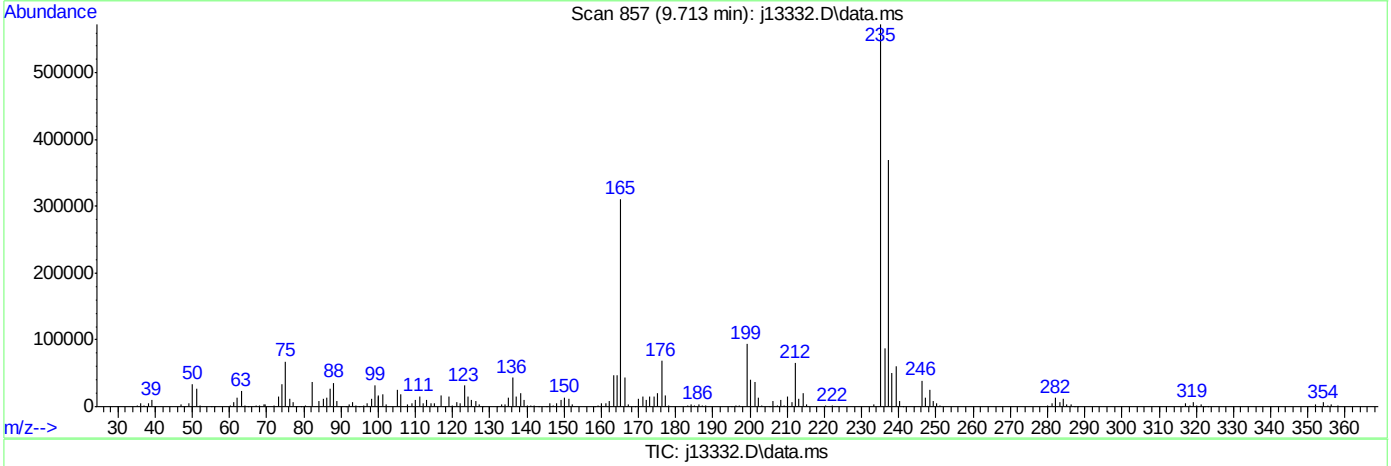
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13332.D
Acq On    : 23 Sep 2009  10:37 am
Operator  : sheilac
Sample    : dftpp
Misc      : op12949,Ej615,1000,,,1,1,water
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Sep 23 10:48:05 2009
Quant Method : C:\msdchem\1\METHODS\dftpp.m
Quant Title  :
QLast Update : Wed Sep 23 10:27:18 2009
Response via : Initial Calibration
```





TIC: j13332.D\data.ms

(4) DDT

9.713min (+0.014) 0.00

response 6307525

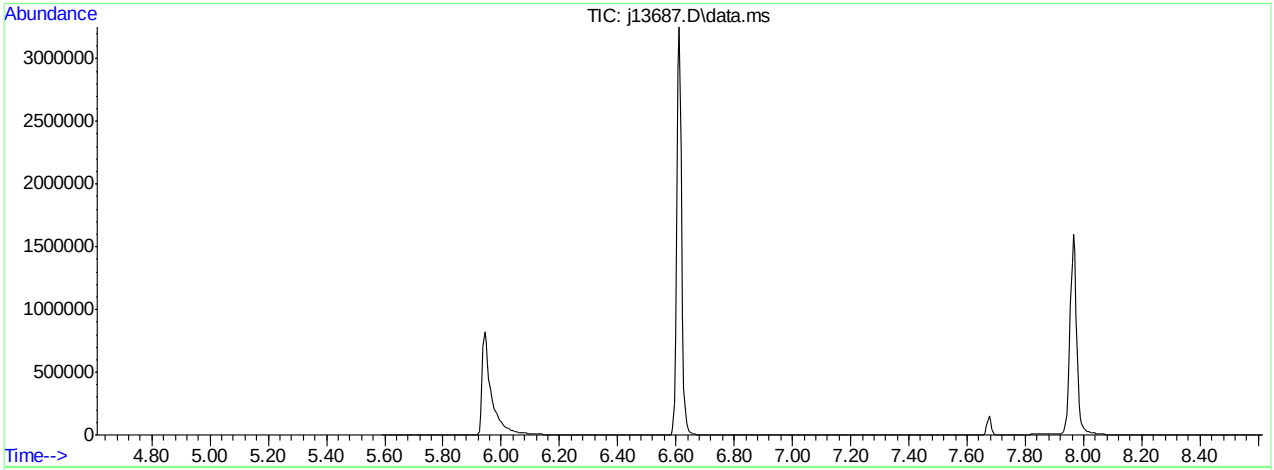
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

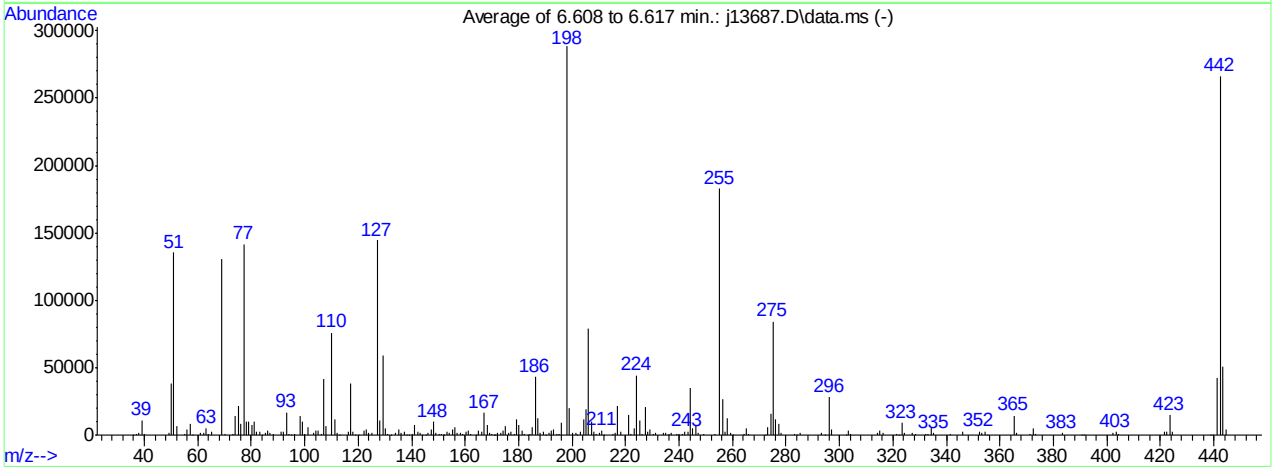
DFTPP

Data File : C:\msdchem\1\DATA\ej629\j13687.D
Acq On : 8 Oct 2009 10:34 am
Sample : dftpp
Misc : op12949,Ej629,1000,,,1,1,water
MS Integration Params: rteint.p

Vial: 1
Operator: sheilac
Inst : AGC-VOA-MSJ
Multiplr: 1.00

Method : C:\msdchem\1\METHODS\dftpp.m (RTE Integrator)
Title :





AutoFind: Scans 212, 213, 214; Background Corrected with Scan 204

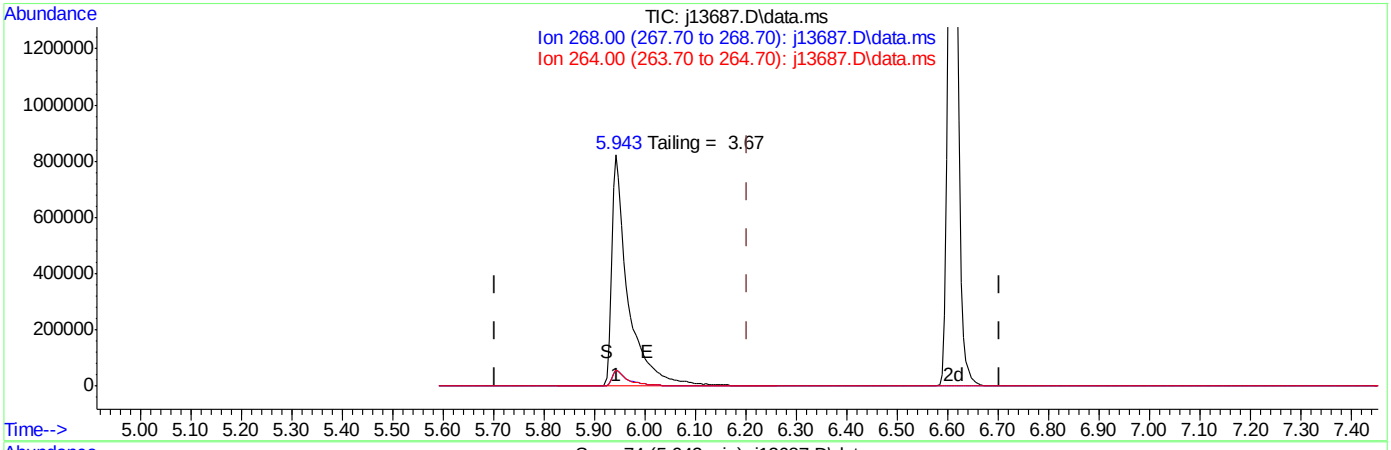
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	47.0	135432	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	45.2	130341	PASS
70	69	0.00	2	0.4	563	PASS
127	198	40	60	50.1	144448	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	288299	PASS
199	198	5	9	6.9	19921	PASS
275	198	10	30	29.2	84237	PASS
365	198	1	100	4.9	14155	PASS
441	443	0.01	100	83.7	42573	PASS
442	198	40	100	92.4	266517	PASS
443	442	17	23	19.1	50891	PASS

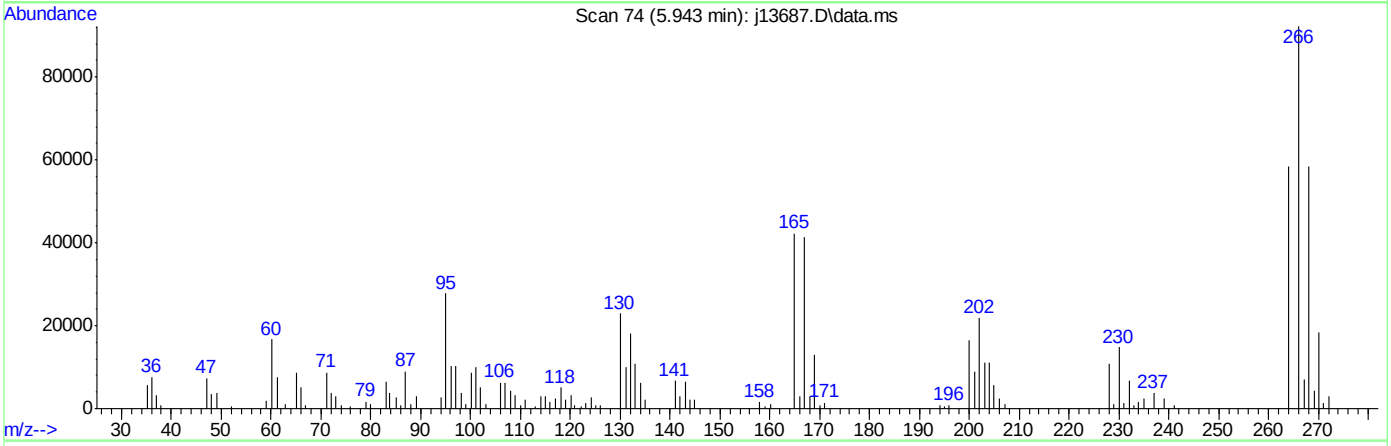
j13687.D dftpp.m Thu Oct 08 10:46:06 2009

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13687.D
Acq On    :  8 Oct 2009  10:34 am
Operator  : sheilac
Sample    : dftpp
Misc      : op12949,Ej629,1000,,,1,1,water
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Oct 08 10:47:17 2009
Quant Method : C:\msdchem\1\METHODS\dftpp.m
Quant Title  :
QLast Update : Wed Oct 07 16:21:49 2009
Response via : Initial Calibration
```





(1) Pentachlorophenol

5.943min (-0.260) 0.00

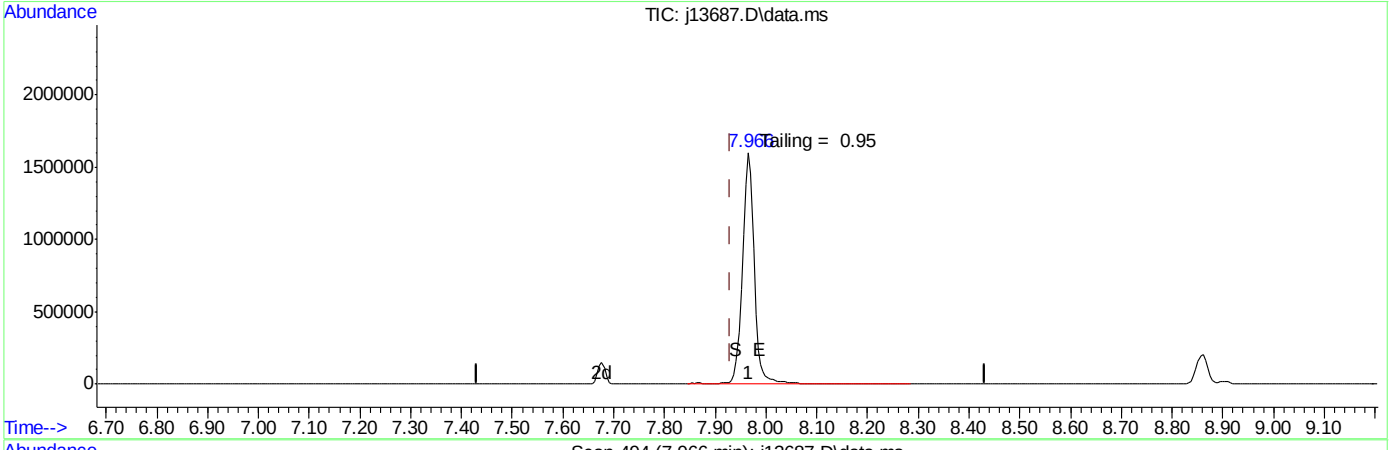
response 1866076

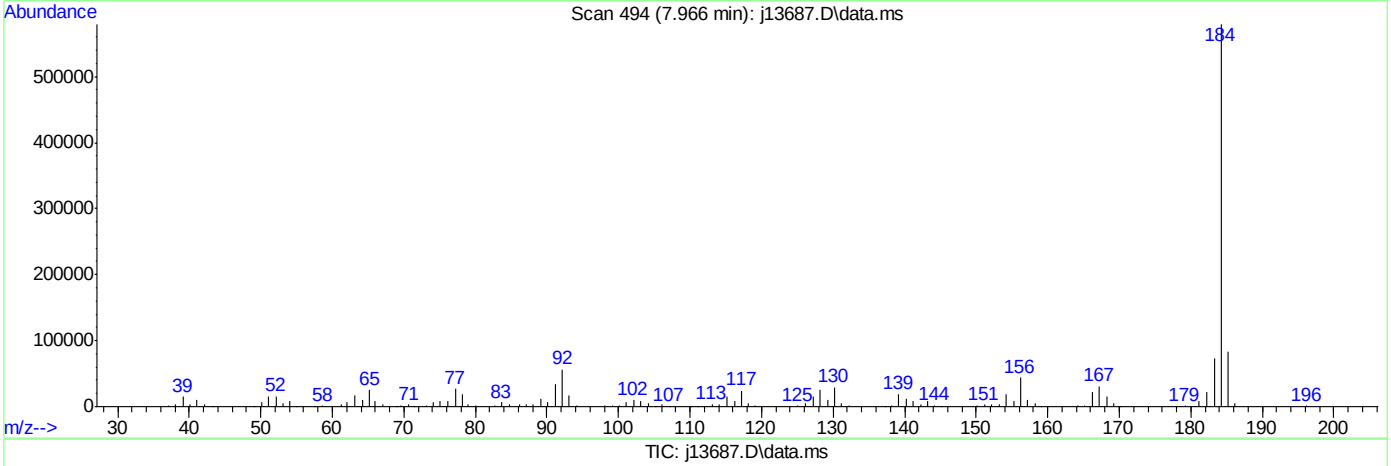
Signal	Exp%	Act%
TIC	100	100
268.00	713.00	7.51#
264.00	697.70	7.44#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13687.D
Acq On    :  8 Oct 2009  10:34 am
Operator  : sheilac
Sample    : dftpp
Misc      : op12949,Ej629,1000,,,1,1,water
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Oct 08 10:47:17 2009
Quant Method : C:\msdchem\1\METHODS\dftpp.m
Quant Title  :
QLast Update : Wed Oct 07 16:21:49 2009
Response via : Initial Calibration
```





TIC: j13687.D\data.ms

(3) Benzidine

7.966min (+0.034) 0.00

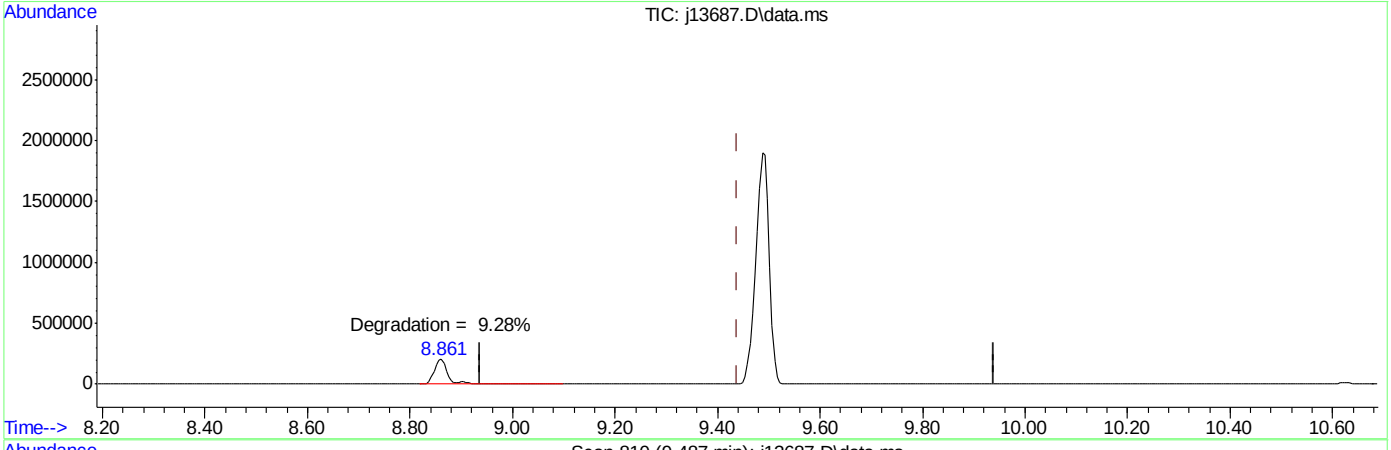
response 2598513

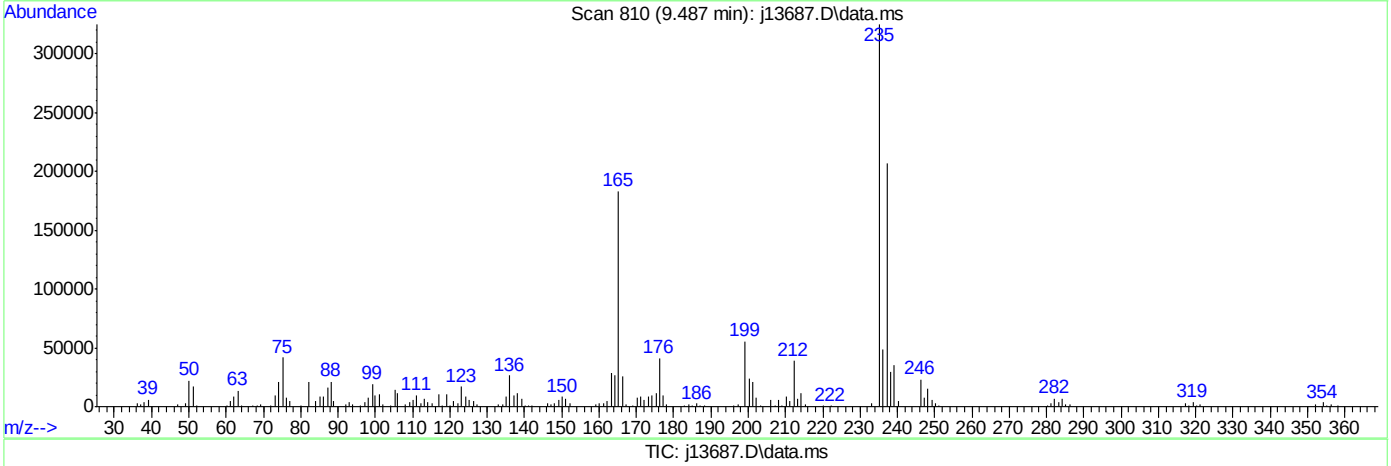
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13687.D
Acq On    :  8 Oct 2009  10:34 am
Operator  : sheilac
Sample    : dftpp
Misc      : op12949,Ej629,1000,,,1,1,water
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Oct 08 10:47:17 2009
Quant Method : C:\msdchem\1\METHODS\dftpp.m
Quant Title  :
QLast Update : Wed Oct 07 16:21:49 2009
Response via : Initial Calibration
```





TIC: j13687.D\data.ms

(4) DDT

9.487min (+0.048) 0.00

response 3445977

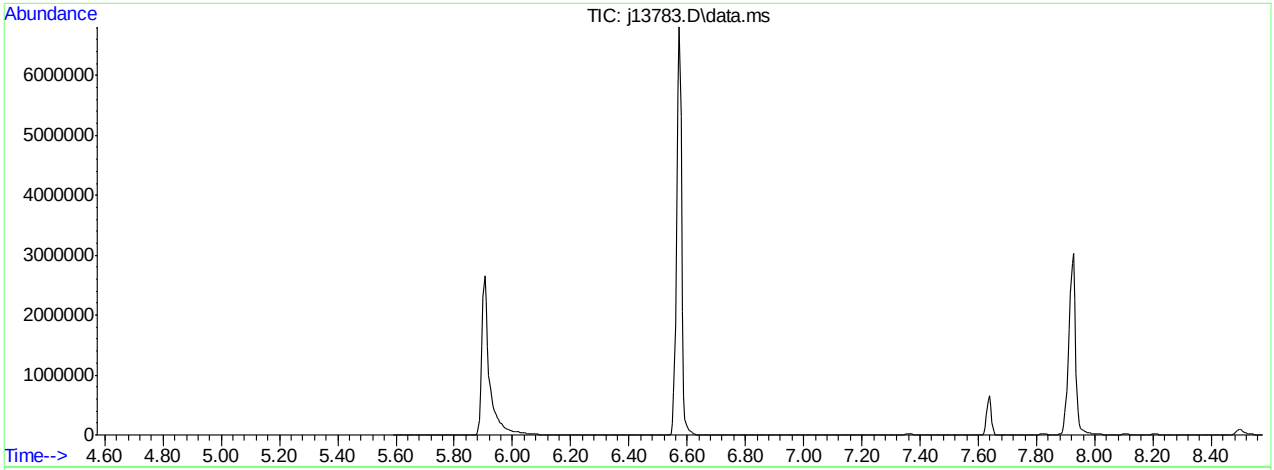
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

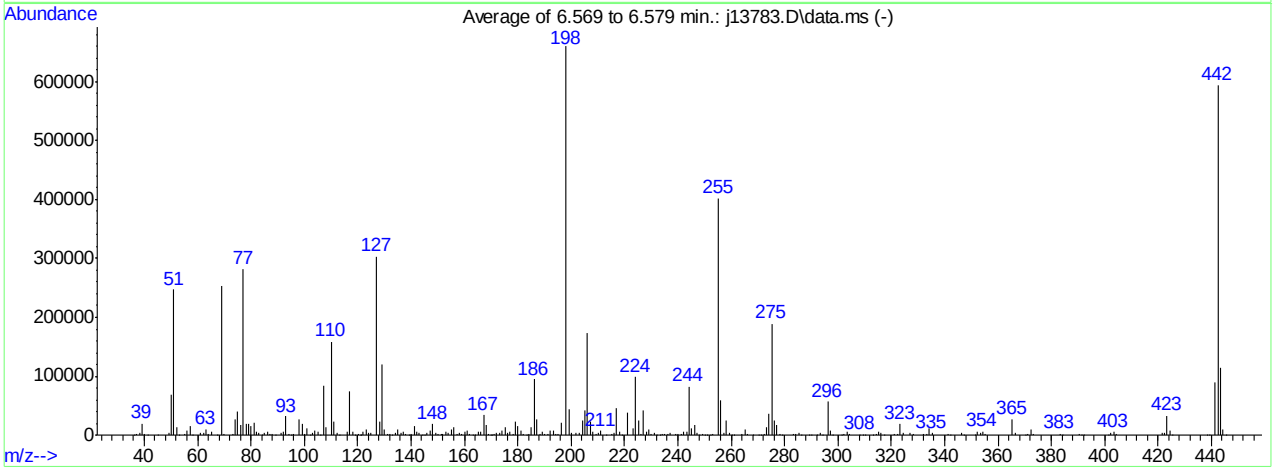
DFTPP

Data File : C:\msdchem\1\DATA\ej633\j13783.D
Acq On : 13 Oct 2009 10:48 am
Sample : dftpp
Misc : op12949,Ej633,1000,,,1,1,water
MS Integration Params: rteint.p

Vial: 1
Operator: sheilac
Inst : AGC-VOA-MSJ
Multiplr: 1.00

Method : C:\msdchem\1\METHODS\dftpp.m (RTE Integrator)
Title :





AutoFind: Scans 204, 205, 206; Background Corrected with Scan 196

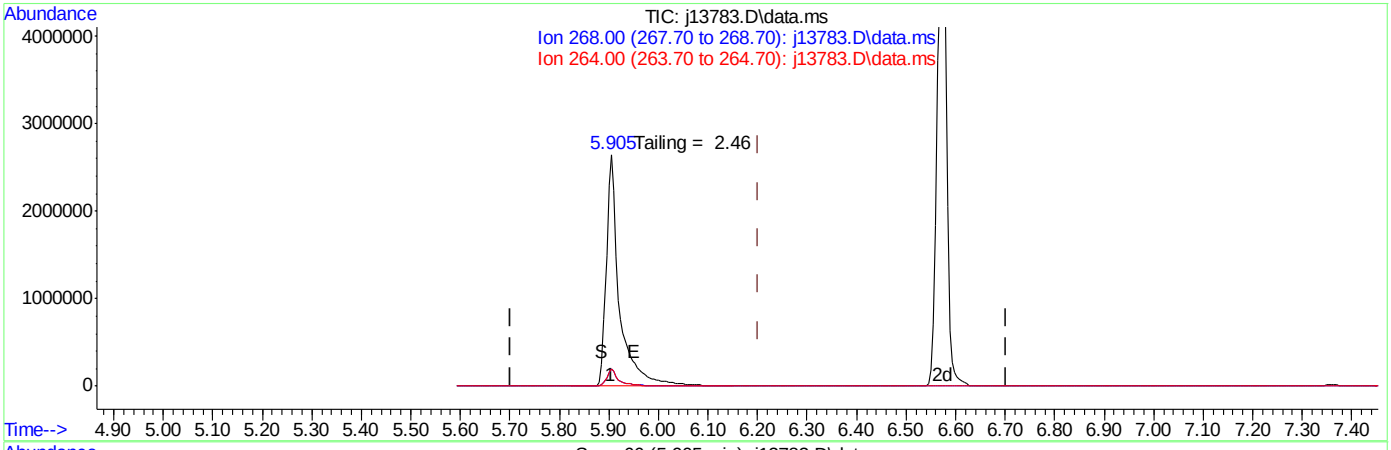
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	37.4	246976	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	38.3	253013	PASS
70	69	0.00	2	0.5	1327	PASS
127	198	40	60	46.0	303659	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	660139	PASS
199	198	5	9	6.8	44592	PASS
275	198	10	30	28.7	189269	PASS
365	198	1	100	4.1	26997	PASS
441	443	0.01	100	79.2	90485	PASS
442	198	40	100	90.0	594219	PASS
443	442	17	23	19.2	114219	PASS

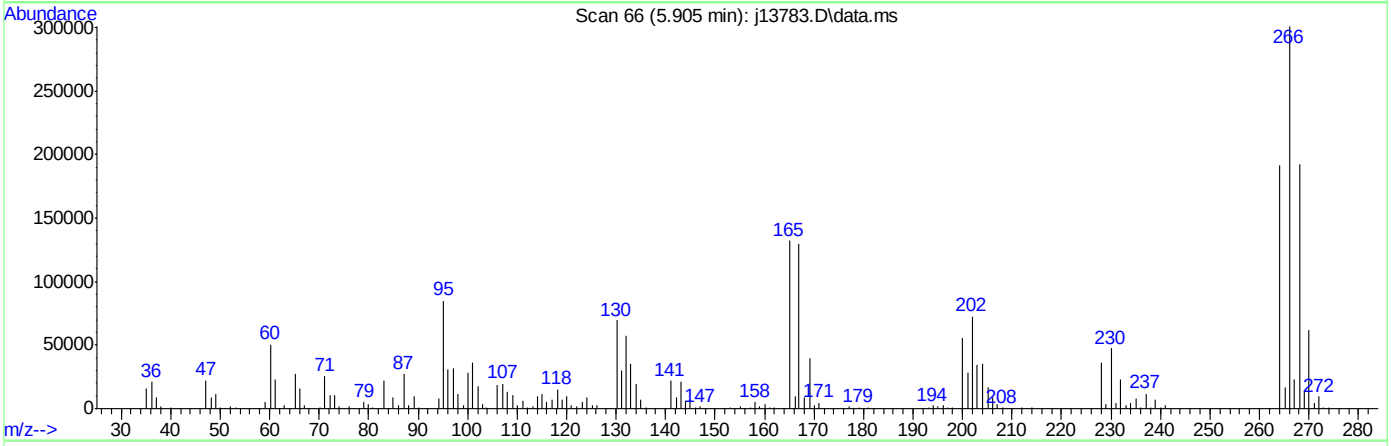
j13783.D dftpp.m Tue Oct 13 10:54:05 2009

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13783.D
Acq On    : 13 Oct 2009  10:48 am
Operator  : sheilac
Sample    : dftpp
Misc      : op12949,Ej633,1000,,,1,1,water
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Oct 13 10:54:19 2009
Quant Method : C:\msdchem\1\METHODS\dftpp.m
Quant Title  :
QLast Update : Wed Oct 07 16:21:49 2009
Response via : Initial Calibration
```





TIC: j13783.D\data.ms

(1) Pentachlorophenol

5.905min (-0.299) 0.00

response 4958302

Signal	Exp%	Act%
TIC	100	100
268.00	713.00	7.19#
264.00	697.70	7.09#
0.00	0.00	0.00

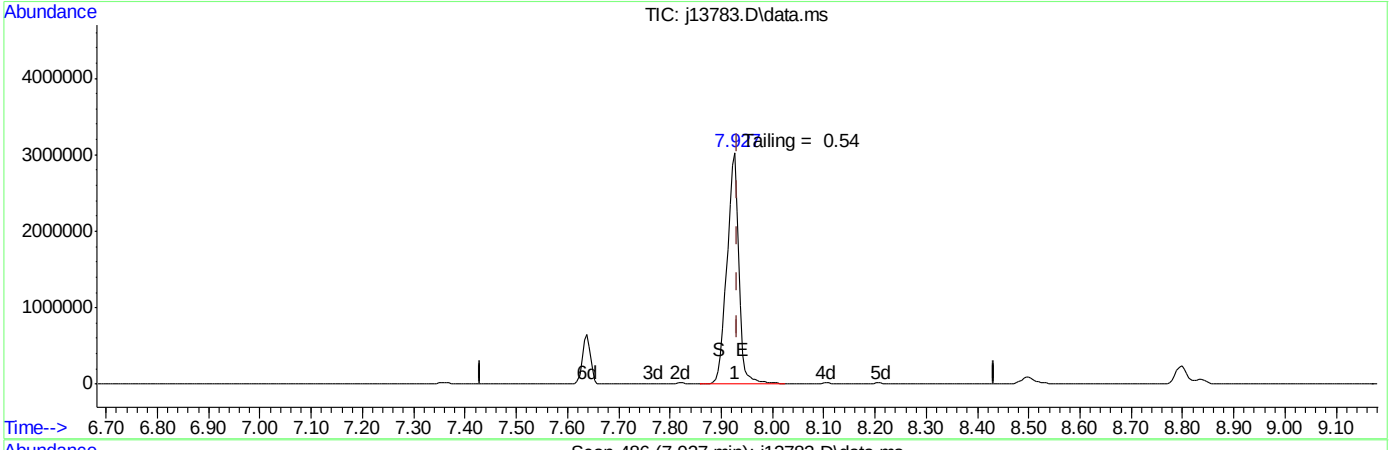
8.5.7.1

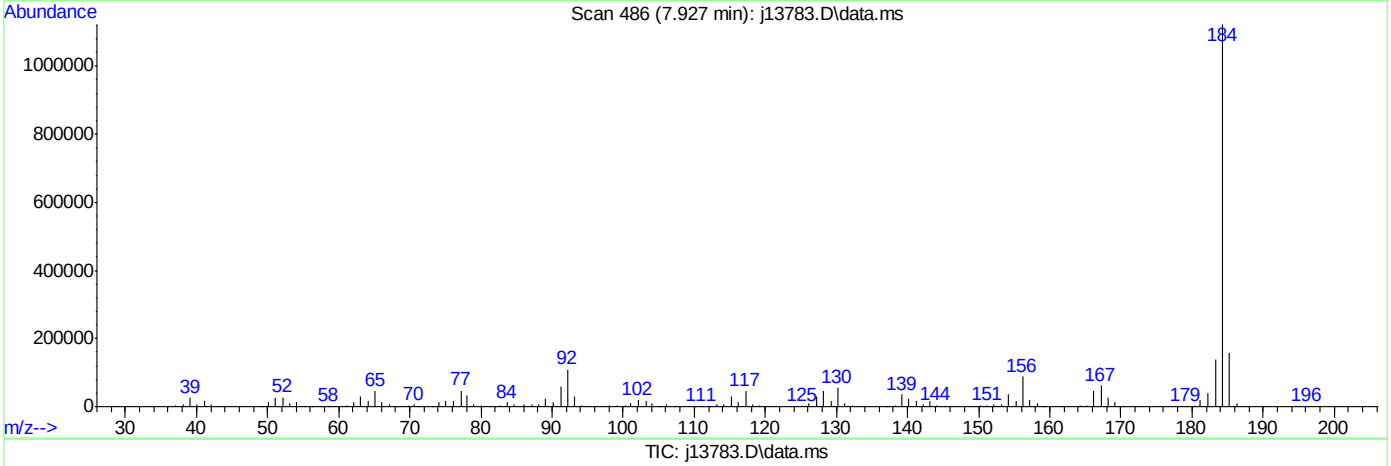
8

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13783.D
Acq On    : 13 Oct 2009  10:48 am
Operator  : sheilac
Sample    : dftpp
Misc      : op12949,Ej633,1000,,,1,1,water
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Oct 13 10:54:19 2009
Quant Method : C:\msdchem\1\METHODS\dftpp.m
Quant Title  :
QLast Update : Wed Oct 07 16:21:49 2009
Response via : Initial Calibration
```





TIC: j13783.D\data.ms

(3) Benzidine

7.927min (-0.005) 0.00

response 4939750

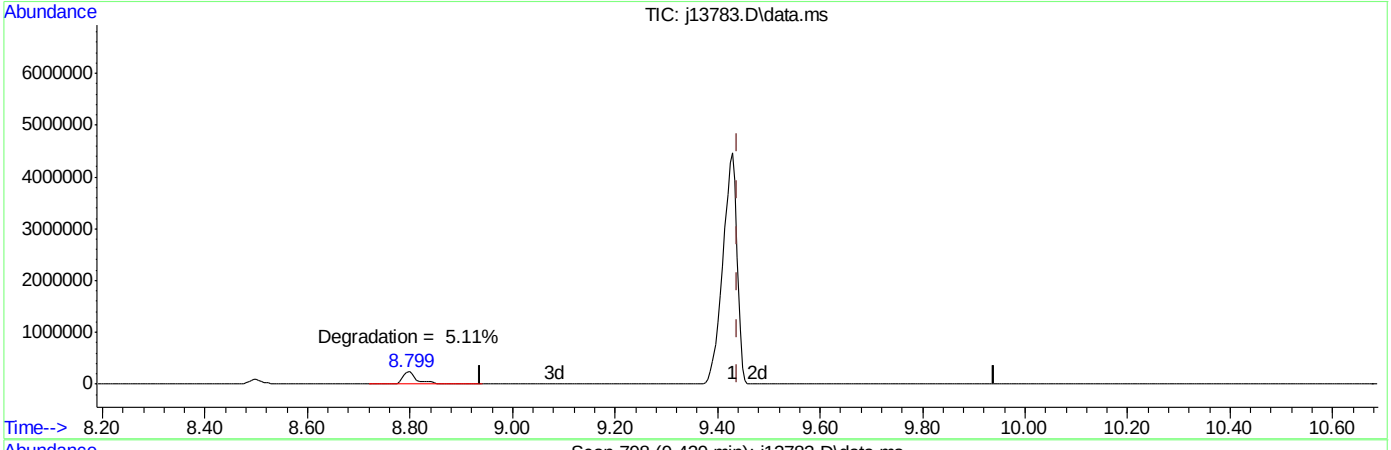
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST Laboratories T39513

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13783.D
Acq On : 13 Oct 2009 10:48 am
Operator : sheilac
Sample : dftpp
Misc : op12949,Ej633,1000,,,1,1,water
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 13 10:54:19 2009
Quant Method : C:\msdchem\1\METHODS\dftpp.m
Quant Title :
QLast Update : Wed Oct 07 16:21:49 2009
Response via : Initial Calibration



TIC: j13783.D\data.ms

(4) DDT

9.429min (-0.010) 0.00

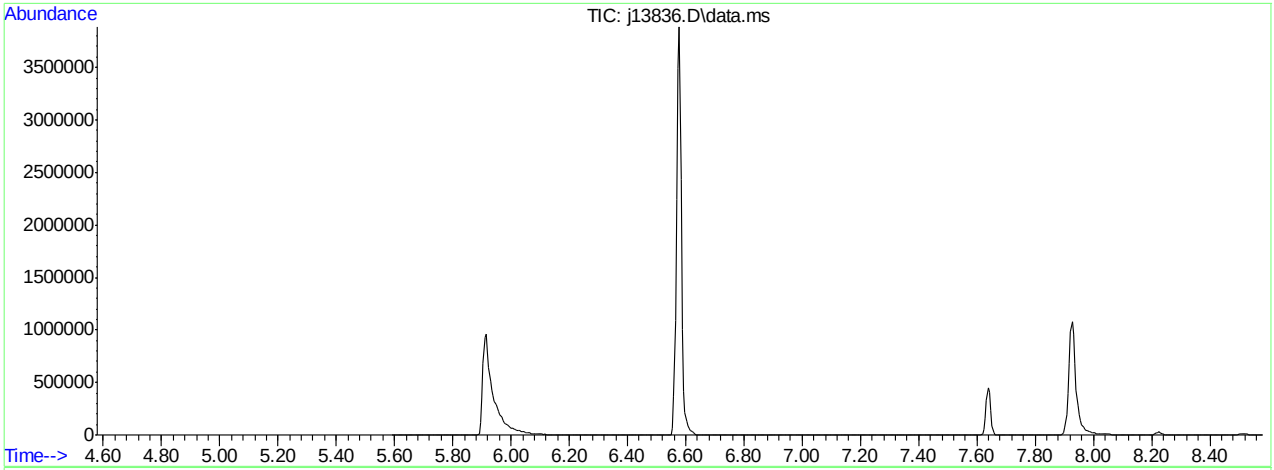
response 8682895

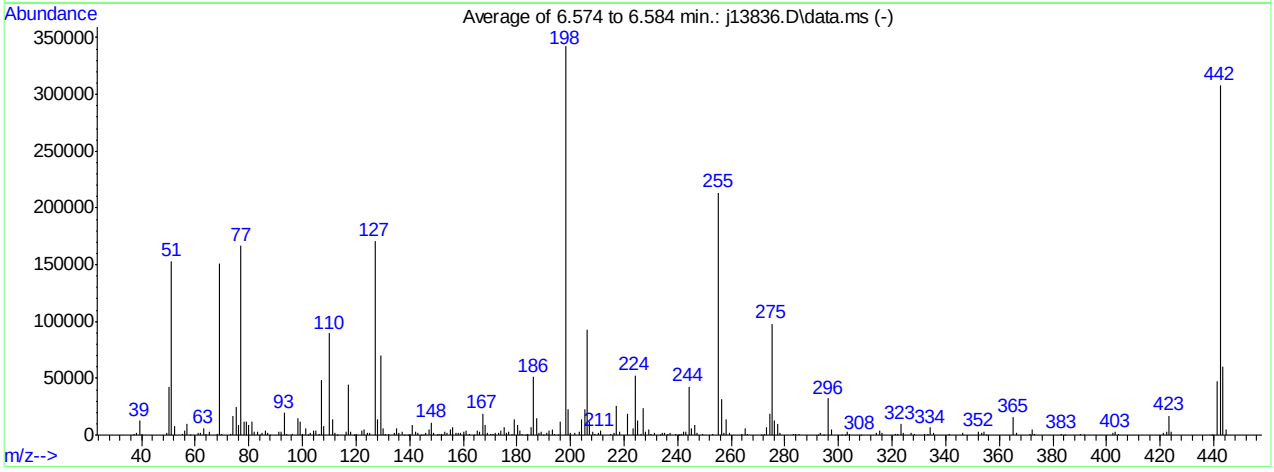
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

DFTPP

Data File : C:\MSDCHEM\1\DATA\ej635\Snapshot\j13836.D Vial: 1
Acq On : 15 Oct 2009 10:36 am Operator: sheilac
Sample : dftpp Inst : AGC-VOA-MSJ
Misc : op12949,Ej635,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\dftpp.m (RTE Integrator)
Title :





AutoFind: Scans 205, 206, 207; Background Corrected with Scan 197

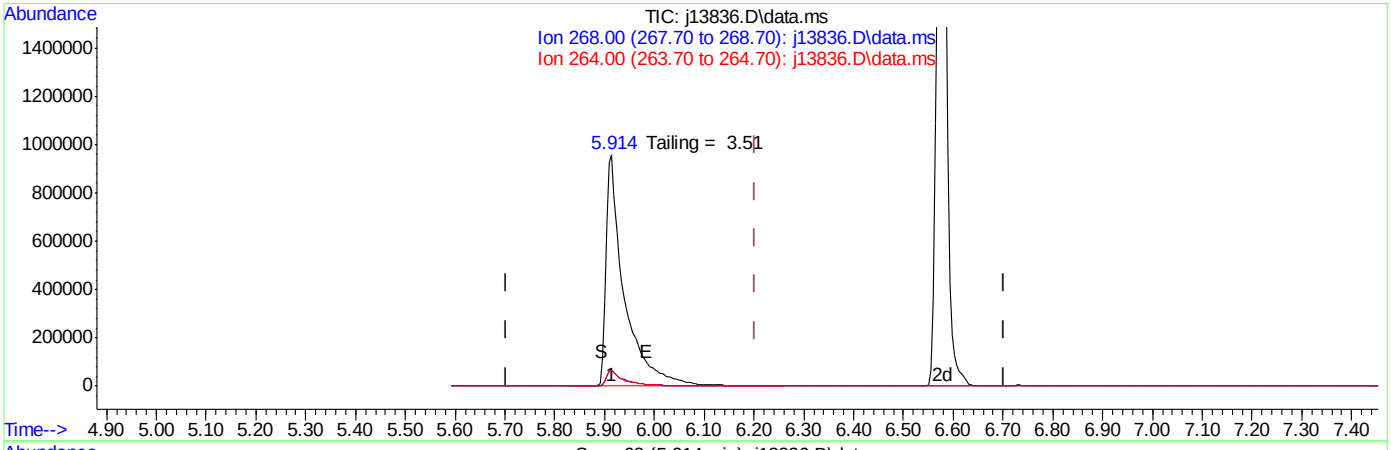
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	44.8	153160	PASS
68	69	0.00	2	1.0	1515	PASS
69	198	0.00	100	44.1	150896	PASS
70	69	0.00	2	0.4	628	PASS
127	198	40	60	50.0	170973	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	342208	PASS
199	198	5	9	6.7	23057	PASS
275	198	10	30	28.6	97936	PASS
365	198	1	100	4.7	15990	PASS
441	443	0.01	100	80.0	47837	PASS
442	198	40	100	90.0	308096	PASS
443	442	17	23	19.4	59784	PASS

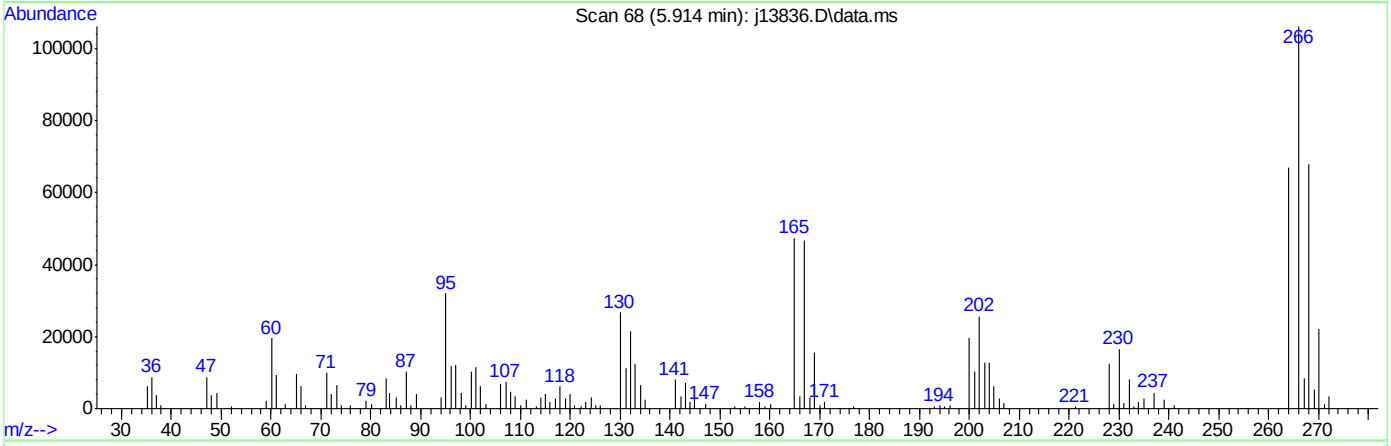
j13836.D dftpp.m Thu Oct 15 10:41:38 2009

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\ej635\Snapshot\
Data File : j13836.D
Acq On : 15 Oct 2009 10:36 am
Operator : sheilac
Sample : dftpp
Misc : op12949,Ej635,1000,,,1,1,water
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 10:41:51 2009
Quant Method : C:\msdchem\1\METHODS\dftpp.m
Quant Title :
QLast Update : Wed Oct 07 16:21:49 2009
Response via : Initial Calibration





TIC: j13836.D\data.ms

(1) Pentachlorophenol

5.914min (-0.289) 0.00

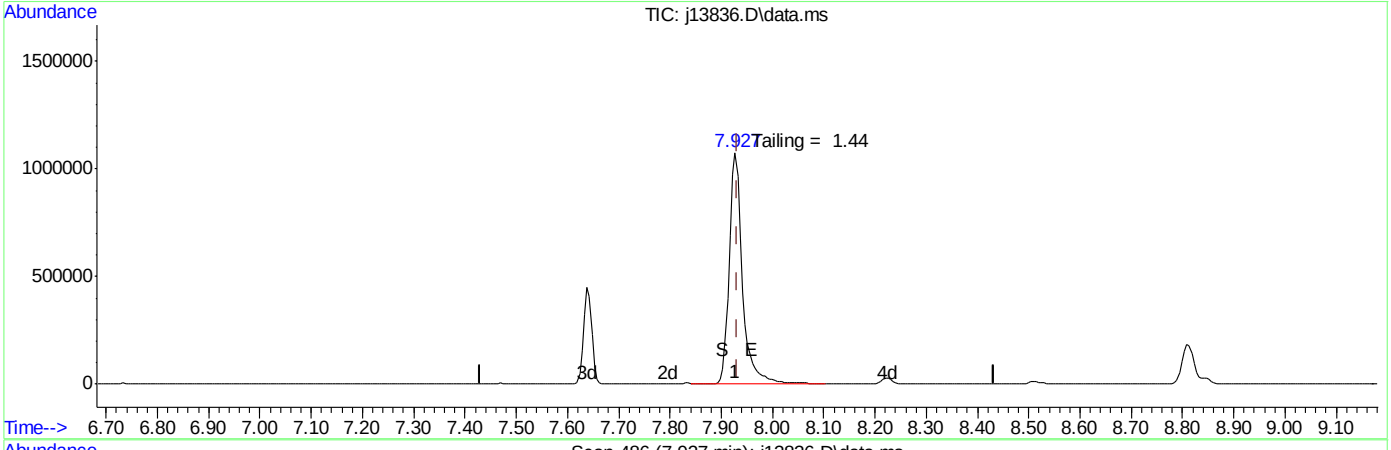
response 2464629

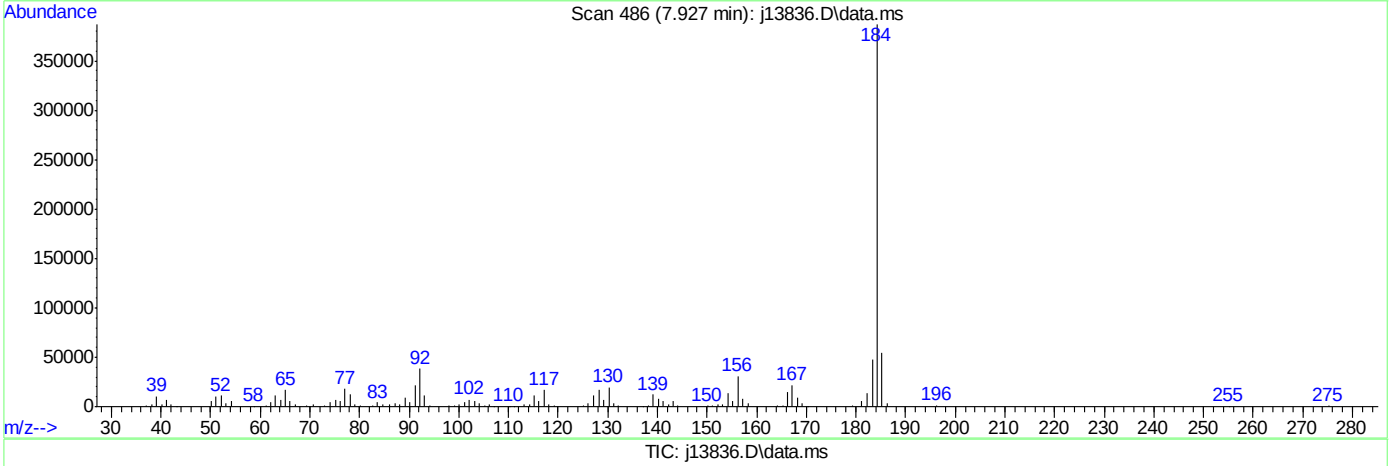
Signal	Exp%	Act%
TIC	100	100
268.00	713.00	7.20#
264.00	697.70	7.02#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\MSDCHEM\1\DATA\ej635\Snapshot\
Data File : j13836.D
Acq On    : 15 Oct 2009  10:36 am
Operator  : sheilac
Sample    : dftpp
Misc      : op12949,Ej635,1000,,,1,1,water
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Oct 15 10:41:51 2009
Quant Method : C:\msdchem\1\METHODS\dftpp.m
Quant Title  :
QLast Update : Wed Oct 07 16:21:49 2009
Response via : Initial Calibration
```





TIC: j13836.D\data.ms

(3) Benzidine

7.927min (-0.005) 0.00

response 1897104

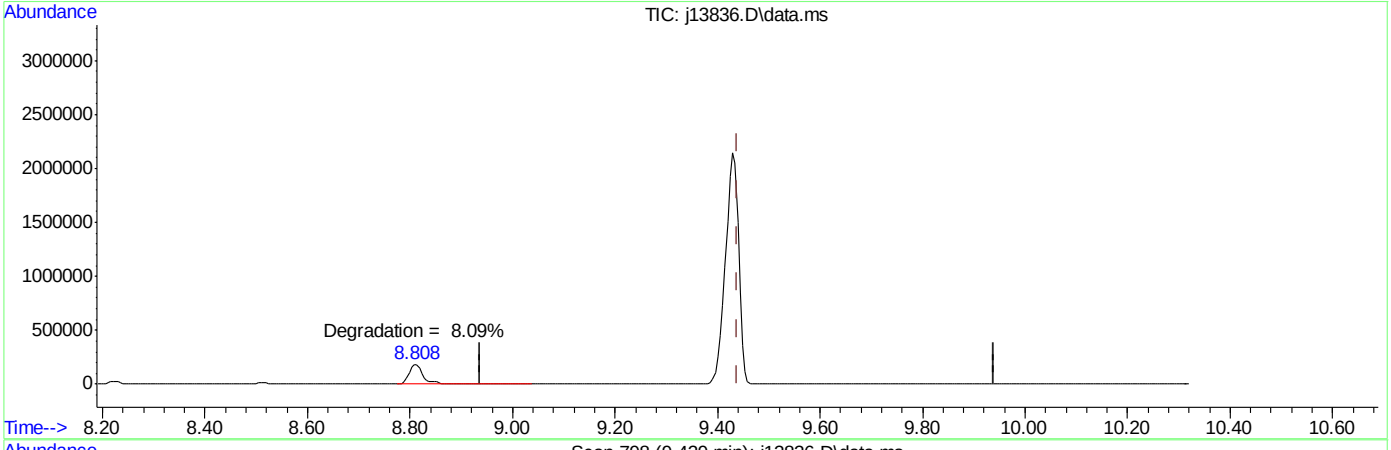
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

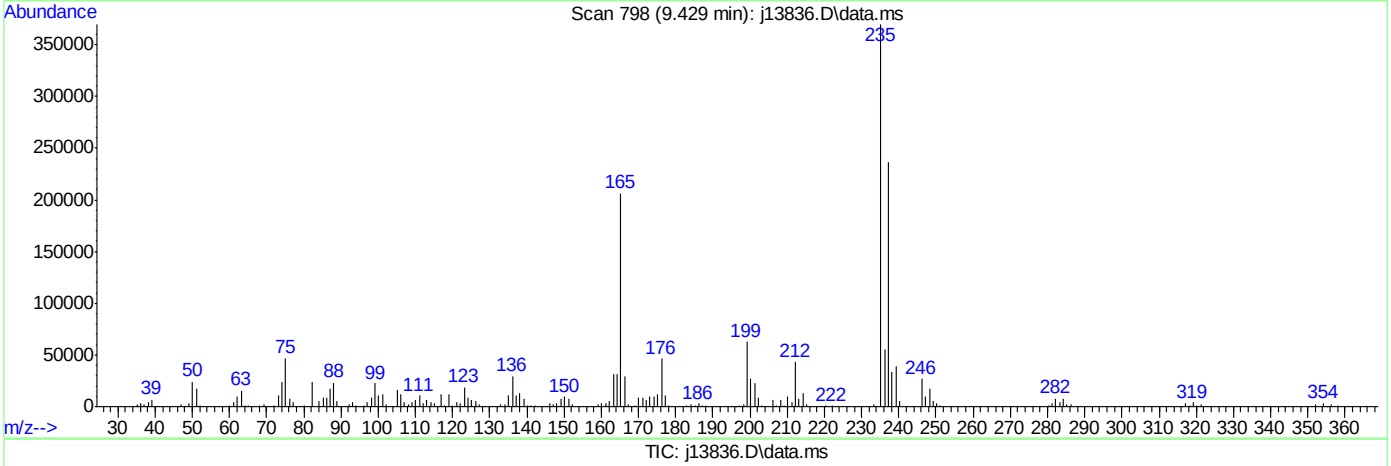
ACCUTEST Laboratories

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\ej635\Snapshot\
Data File : j13836.D
Acq On : 15 Oct 2009 10:36 am
Operator : sheilac
Sample : dftpp
Misc : op12949,Ej635,1000,,,1,1,water
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 10:41:51 2009
Quant Method : C:\msdchem\1\METHODS\dftpp.m
Quant Title :
QLast Update : Wed Oct 07 16:21:49 2009
Response via : Initial Calibration





TIC: j13836.D\data.ms

(4) DDT

9.429min (-0.010) 0.00

response 3811991

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST Laboratories T39513

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/23/09 13:48

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1918\H35513.D Vial: 2
Acq On : 21 Oct 2009 11:02 am Operator: sheilac
Sample : icc1918-2.5 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:44 2009 Quant Results File: H10219SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10219SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Wed Oct 21 13:13:22 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.65	152	74952	4.00	ppb	0.00
4) Naphthalene-d8	7.56	136	71607	4.00	ppb	0.00
9) Acenaphthene-d10	9.57	164	63482	4.00	ppb	0.00
15) Phenanthrene-d10	11.09	188	78072	4.00	ppb	0.00
21) Chrysene-d12	13.89	240	38772	4.00	ppb	0.02
26) Perylene-d12	16.35	264	6173	4.00	ppb	0.04

System Monitoring Compounds

5) Nitrobenzene-d5	6.55	82	49051	8.44	ppb	0.00
Spiked Amount 5.000	Range 17 - 131		Recovery = 168.80%#			
10) 2-Fluorobiphenyl	8.87	172	511620	13.35	ppb	0.00
Spiked Amount 5.000	Range 15 - 137		Recovery = 267.00%#			
16) 2,4,6-Tribromophenol	10.40	330	78101	19.30	ppb	0.00
Spiked Amount 10.000	Range 10 - 123		Recovery = 193.00%#			
23) Terphenyl-d14	12.66	244	88294	18.13	ppb	0.00
Spiked Amount 5.000	Range 10 - 160		Recovery = 362.60%#			

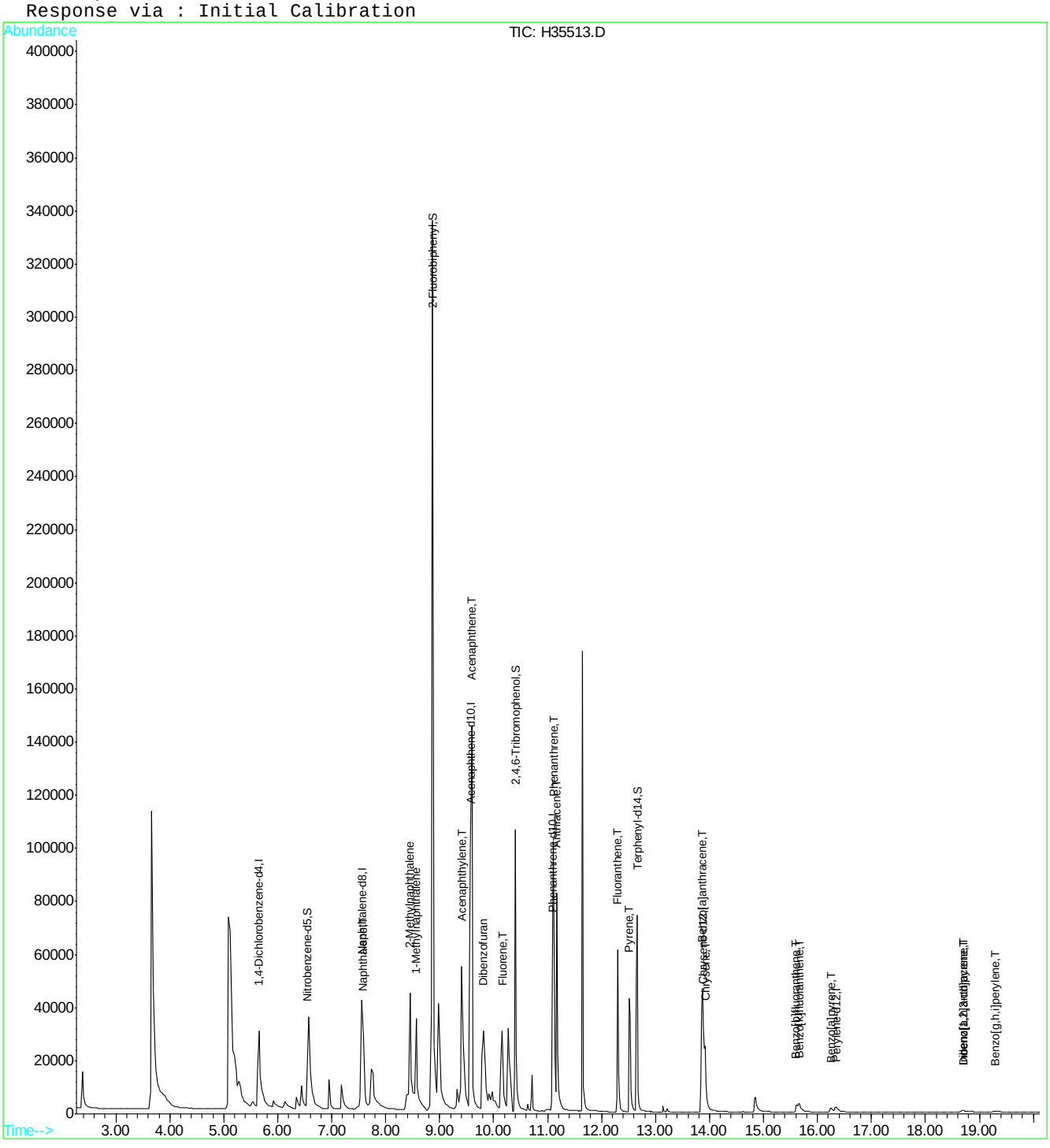
Target Compounds							Qvalue
6) Naphthalene	7.59	128	43283	1.48	ppb		99
7) 2-Methylnaphthalene	8.45	142	65977m	2.68	ppb		
8) 1-Methylnaphthalene	8.56	142	64152	1.79	ppb	#	89
11) Acenaphthylene	9.41	152	87398	1.76	ppb		91
12) Acenaphthene	9.60	153	95669	2.53	ppb		85
13) Dibenzofuran	9.81	168	53398	1.67	ppb	#	70
14) Fluorene	10.16	166	34478	1.45	ppb	#	47
18) Phenanthrene	11.11	178	96007	2.28	ppb		93
19) Anthracene	11.17	178	100198	2.25	ppb		97
20) Fluoranthene	12.30	202	91180	2.16	ppb		97
22) Pyrene	12.51	202	82372m	3.75	ppb		
24) Benzo[a]anthracene	13.87	228	31362	2.21	ppb		93
25) Chrysene	13.92	228	42086m	2.98	ppb		
27) Benzo[b]fluoranthene	15.60	252	6902m	2.87	ppb		
28) Benzo[k]fluoranthene	15.66	252	11509m	3.47	ppb		
29) Benzo[a]pyrene	16.24	252	5949	2.99	ppb		100
30) Indeno[1,2,3-cd]pyrene	18.70	276	2167	3.20	ppb		96
31) Dibenz[a,h]anthracene	18.70	278	1360	3.23	ppb		98
32) Benzo[g,h,i]perylene	19.29	276	1902	3.89	ppb		96

(#) = qualifier out of range (m) = manual integration
H35513.D H10229SP.M Thu Oct 22 13:27:55 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1918\H35513.D Vial: 2
Acq On : 21 Oct 2009 11:02 am Operator: sheilac
Sample : icc1918-2.5 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:44 2009 Quant Results File: H10219SP.RES

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Initial Calibration

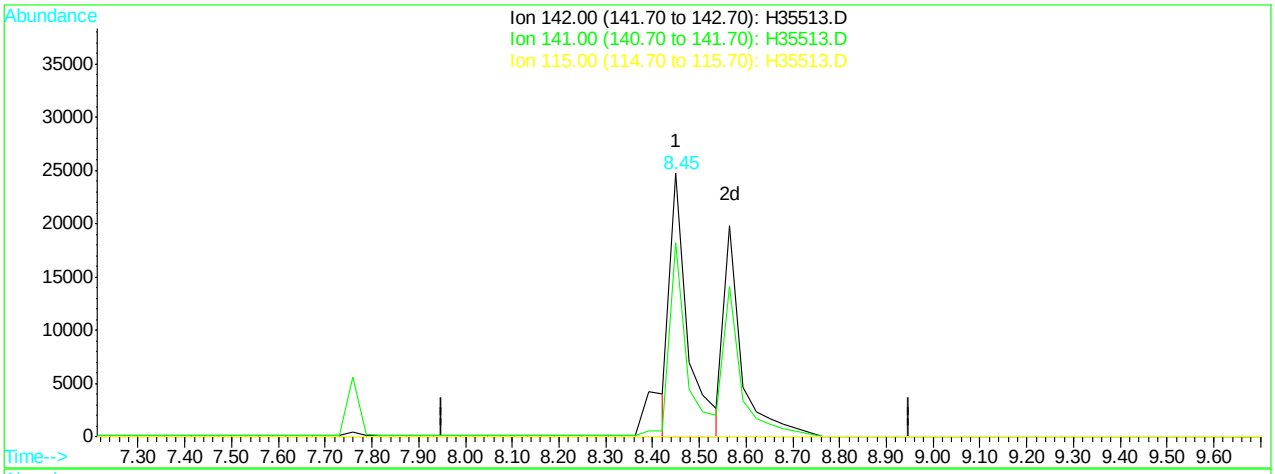


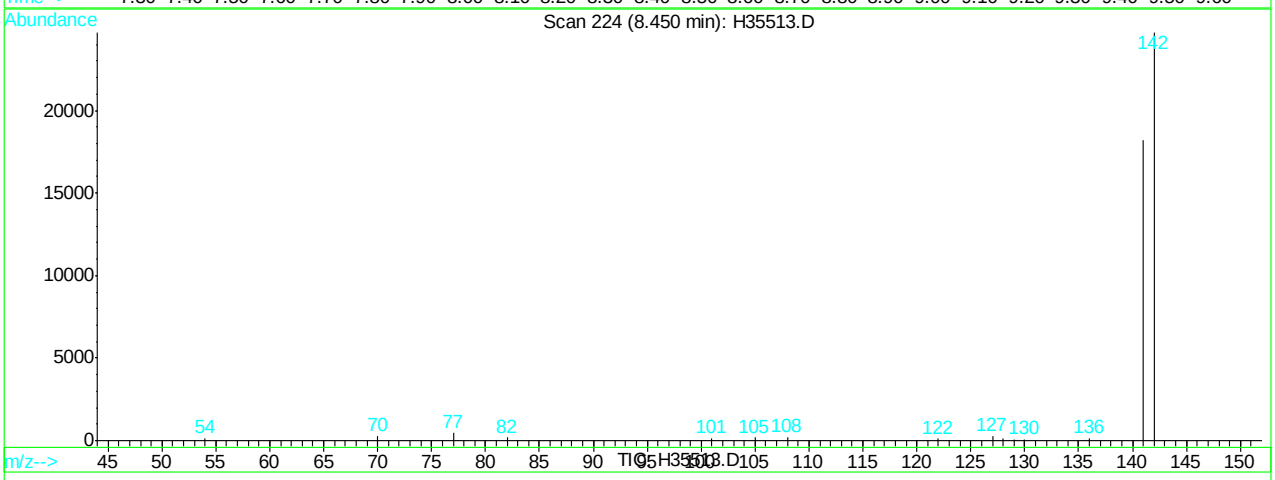
ACCUTEST Laboratories T39513

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35513.D Vial: 2
Acq On : 21 Oct 2009 11:02 am Operator: sheilac
Sample : icc1918-2.5 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:44 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(7) 2-Methylnaphthalene

8.45min 2.68ppb m

response 65977

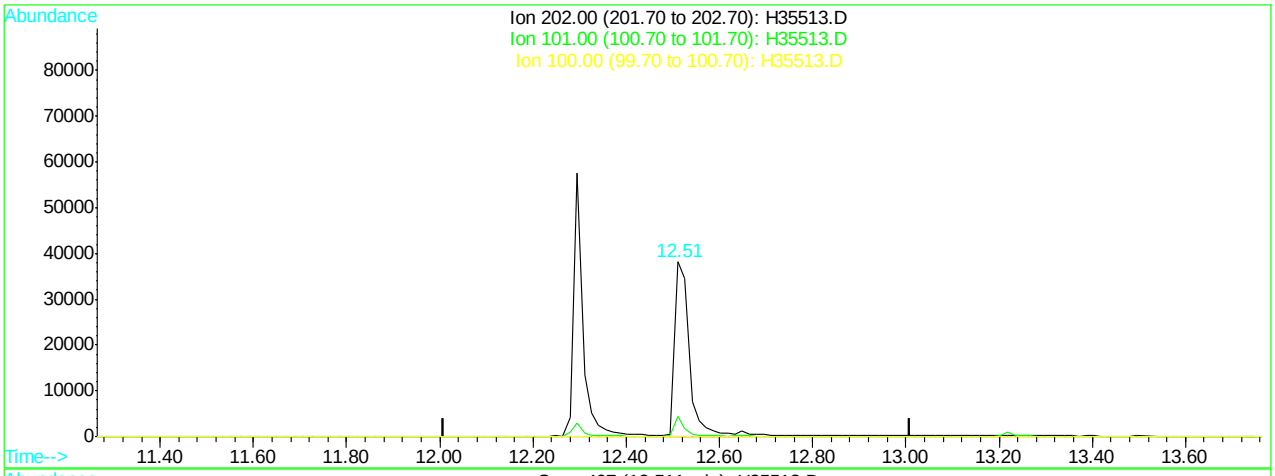
Ion	Exp%	Act%
142.00	100	100
141.00	71.00	72.38
115.00	0.00	0.00
0.00	0.00	0.00

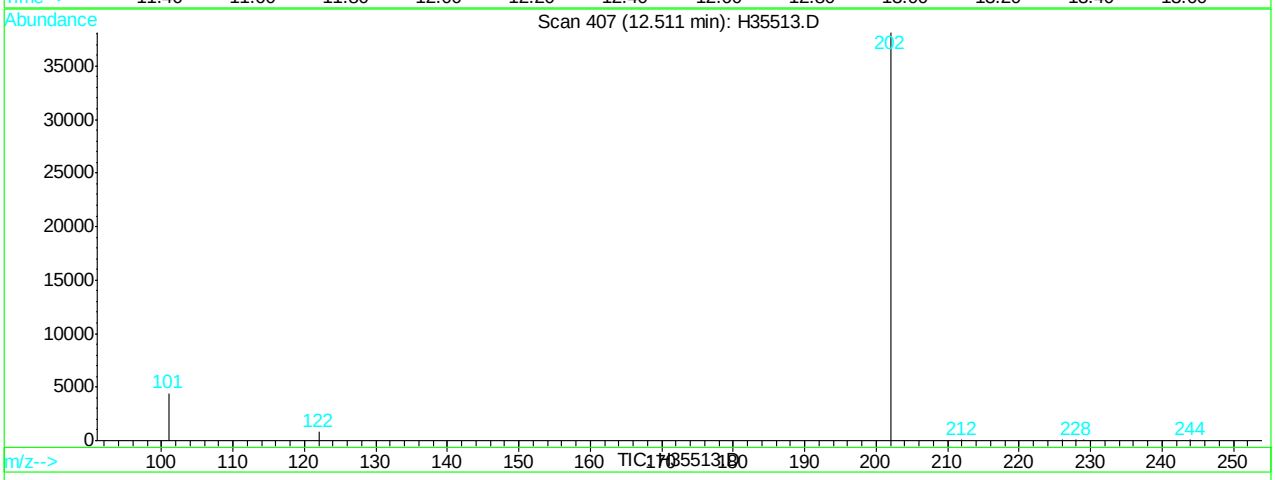
H35513.D H10229SP.M Thu Oct 22 13:28:16 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35513.D Vial: 2
Acq On : 21 Oct 2009 11:02 am Operator: sheilac
Sample : icc1918-2.5 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:44 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(22) Pyrene (T)

12.51min 3.75ppb m

response 82372

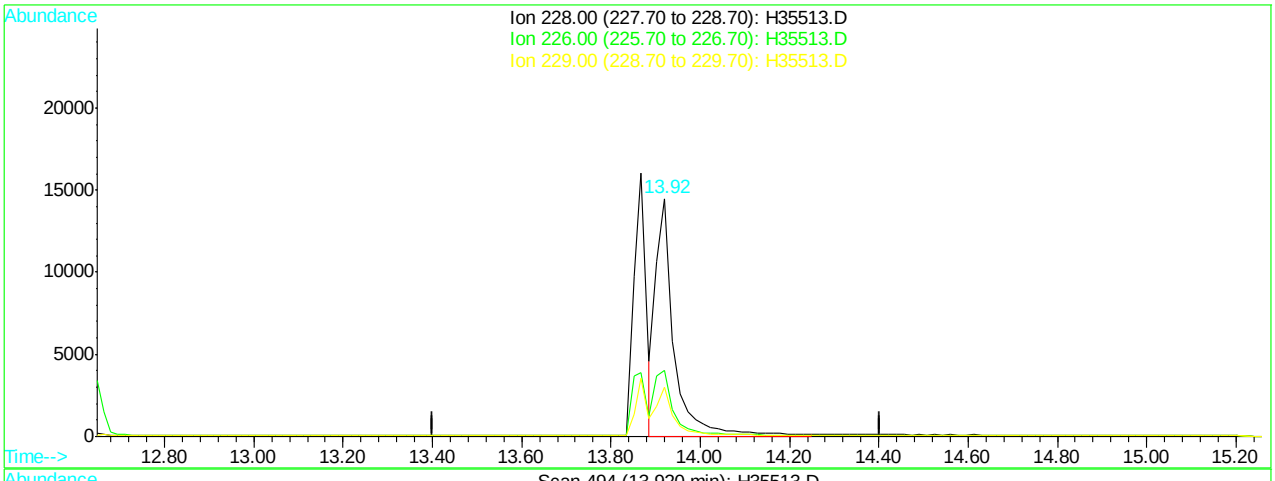
Ion	Exp%	Act%
202.00	100	100
101.00	6.90	11.68#
100.00	0.00	0.00
0.00	0.00	0.00

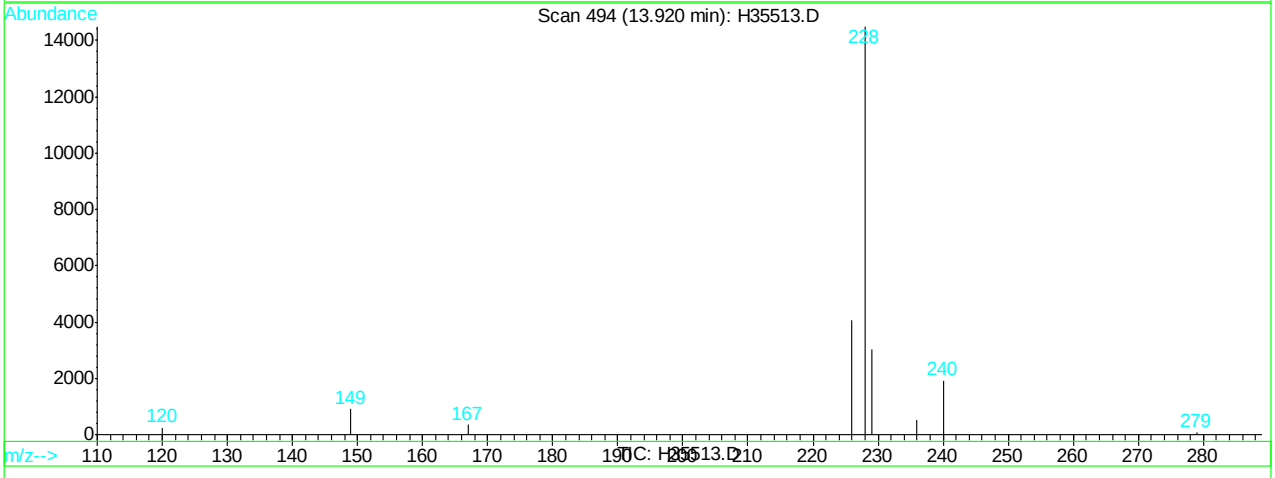
H35513.D H10229SP.M Thu Oct 22 13:28:22 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35513.D Vial: 2
Acq On : 21 Oct 2009 11:02 am Operator: sheilac
Sample : icc1918-2.5 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:44 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(25) Chrysene (T)

13.92min 2.98ppb m

response 42086

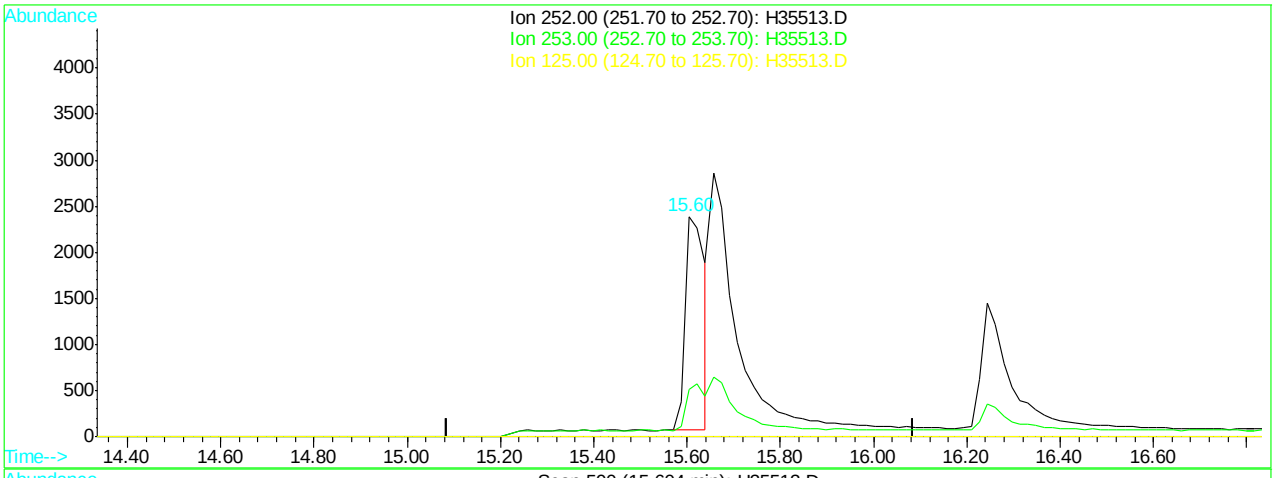
Ion	Exp%	Act%
228.00	100	100
226.00	30.10	27.96
229.00	19.10	20.88
0.00	0.00	0.00

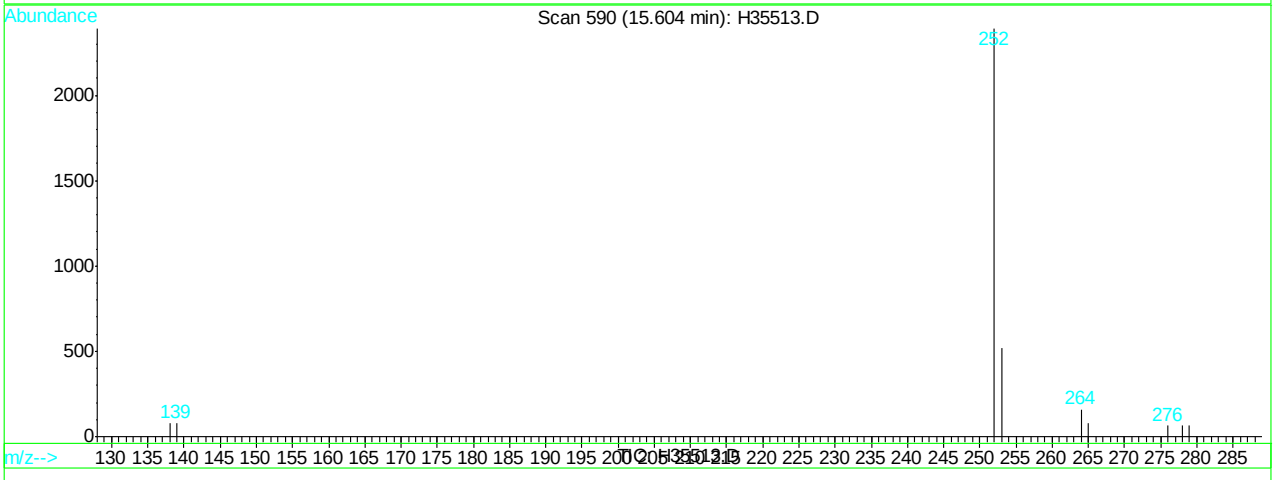
H35513.D H10229SP.M Thu Oct 22 13:28:27 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35513.D Vial: 2
Acq On : 21 Oct 2009 11:02 am Operator: sheilac
Sample : icc1918-2.5 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:44 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(27) Benzo[b]fluoranthene (T)

15.60min 2.87ppb m

response 6902

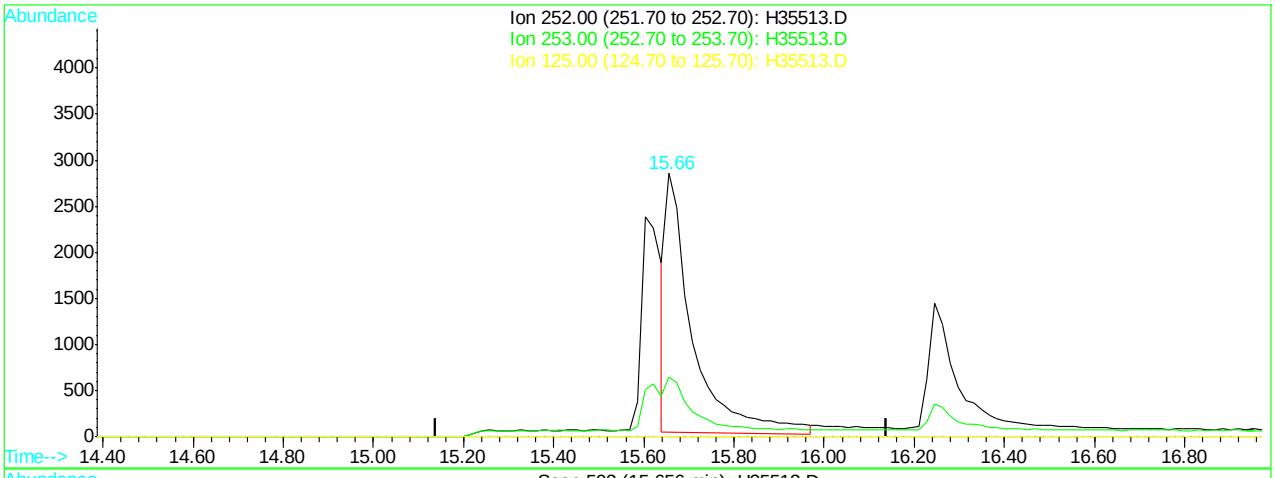
Ion	Exp%	Act%
252.00	100	100
253.00	21.60	21.58
125.00	0.00	0.00
0.00	0.00	0.00

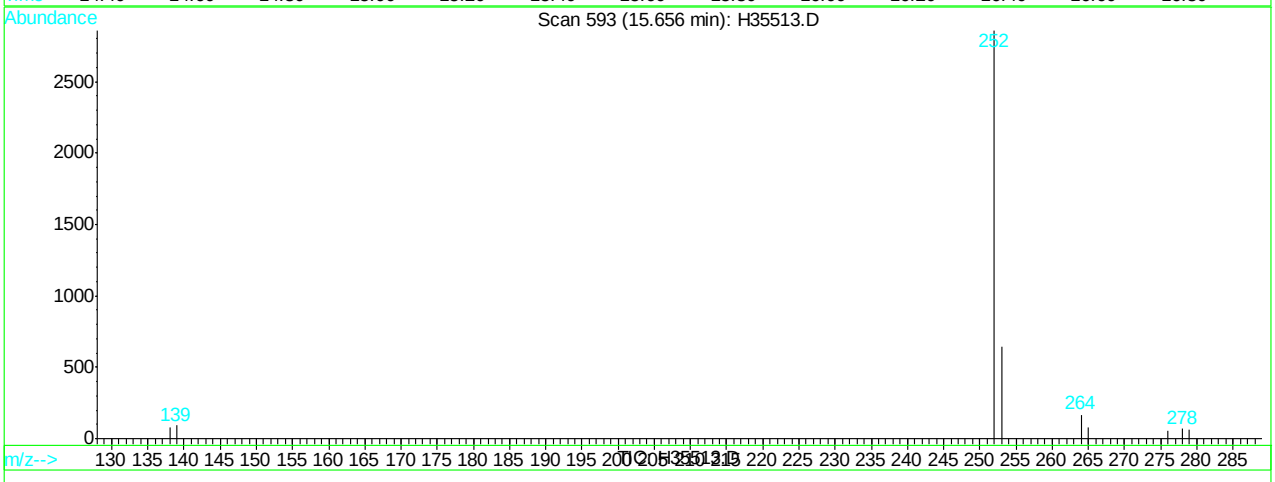
H35513.D H10229SP.M Thu Oct 22 13:28:31 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35513.D Vial: 2
Acq On : 21 Oct 2009 11:02 am Operator: sheilac
Sample : icc1918-2.5 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:44 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.66min 3.47ppb m

response 11509

Ion	Exp%	Act%
252.00	100	100
253.00	22.80	22.46
125.00	0.00	0.00
0.00	0.00	0.00

H35513.D H10229SP.M Thu Oct 22 13:28:33 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/23/09 13:48

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1918\H35514.D Vial: 3
Acq On : 21 Oct 2009 11:31 am Operator: sheilac
Sample : ic1918-1 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:45 2009 Quant Results File: H10219SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10219SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Wed Oct 21 13:13:22 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.65	152	78298	4.00	ppb	0.00
4) Naphthalene-d8	7.56	136	76607	4.00	ppb	0.00
9) Acenaphthene-d10	9.57	164	62834	4.00	ppb	0.00
15) Phenanthrene-d10	11.09	188	83309	4.00	ppb	0.00
21) Chrysene-d12	13.89	240	36240	4.00	ppb	0.02
26) Perylene-d12	16.35	264	8919	4.00	ppb	0.04
System Monitoring Compounds						
5) Nitrobenzene-d5	6.58	82	19091	3.07	ppb	0.03
Spiked Amount 5.000	Range 17 - 131		Recovery	=	61.40%	
10) 2-Fluorobiphenyl	8.87	172	202432	5.34	ppb	0.00
Spiked Amount 5.000	Range 15 - 137		Recovery	=	106.80%	
16) 2,4,6-Tribromophenol	10.40	330	28422	6.58	ppb	0.00
Spiked Amount 10.000	Range 10 - 123		Recovery	=	65.80%	
23) Terphenyl-d14	12.66	244	35516	7.80	ppb	0.00
Spiked Amount 5.000	Range 10 - 160		Recovery	=	156.00%	

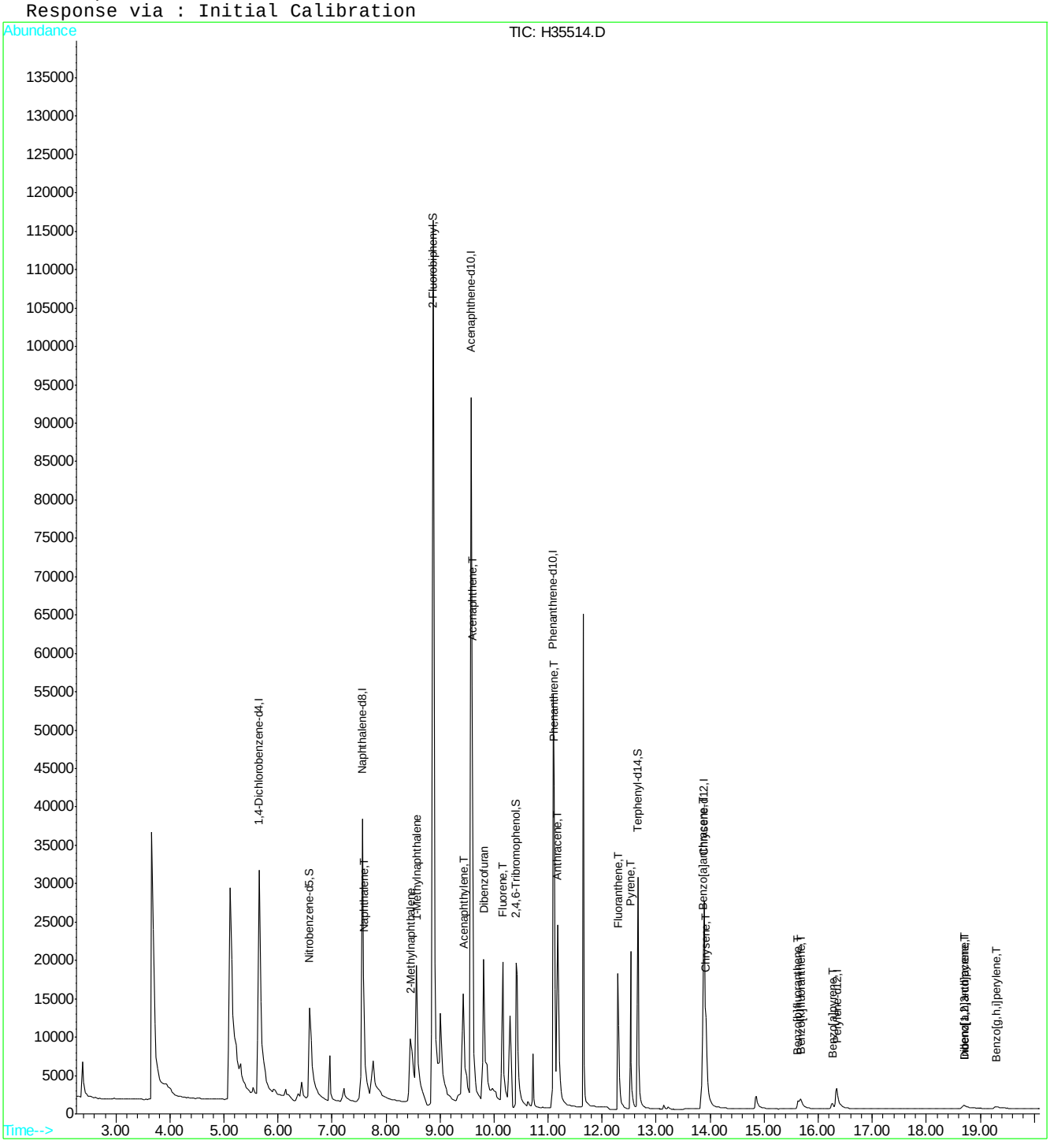
Target Compounds							Qvalue
6) Naphthalene	7.59	128	21719	0.70	ppb		99
7) 2-Methylnaphthalene	8.45	142	21988	0.83	ppb	#	95
8) 1-Methylnaphthalene	8.56	142	36642	0.96	ppb	#	91
11) Acenaphthylene	9.44	152	28383	0.58	ppb	#	89
12) Acenaphthene	9.60	153	35398	0.94	ppb		78
13) Dibenzofuran	9.81	168	34477	1.09	ppb		98
14) Fluorene	10.16	166	17993	0.76	ppb	#	50
18) Phenanthrene	11.11	178	36723	0.82	ppb		90
19) Anthracene	11.17	178	41209	0.87	ppb	#	87
20) Fluoranthene	12.30	202	38438	0.85	ppb	#	90
22) Pyrene	12.53	202	31371	1.53	ppb		96
24) Benzo[a]anthracene	13.87	228	13025	0.98	ppb		95
25) Chrysene	13.92	228	13065	0.99	ppb		96
27) Benzo[b]fluoranthene	15.62	252	2127m	0.61	ppb		
28) Benzo[k]fluoranthene	15.67	252	4846m	1.01	ppb		
29) Benzo[a]pyrene	16.26	252	3104	1.08	ppb		97
30) Indeno[1,2,3-cd]pyrene	18.70	276	1689	1.73	ppb		97
31) Dibenz[a,h]anthracene	18.70	278	1082	1.78	ppb		97
32) Benzo[g,h,i]perylene	19.29	276	1606	2.27	ppb		97

(#) = qualifier out of range (m) = manual integration
H35514.D H10229SP.M Thu Oct 22 13:28:42 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1918\H35514.D Vial: 3
Acq On : 21 Oct 2009 11:31 am Operator: sheilac
Sample : ic1918-1 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:45 2009 Quant Results File: H10219SP.RES

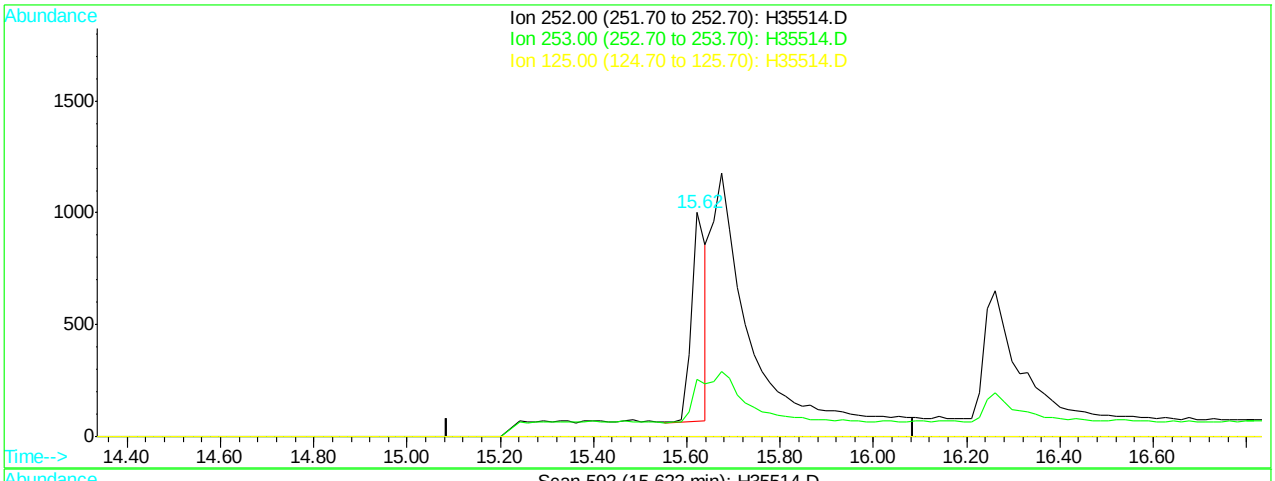
Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Initial Calibration

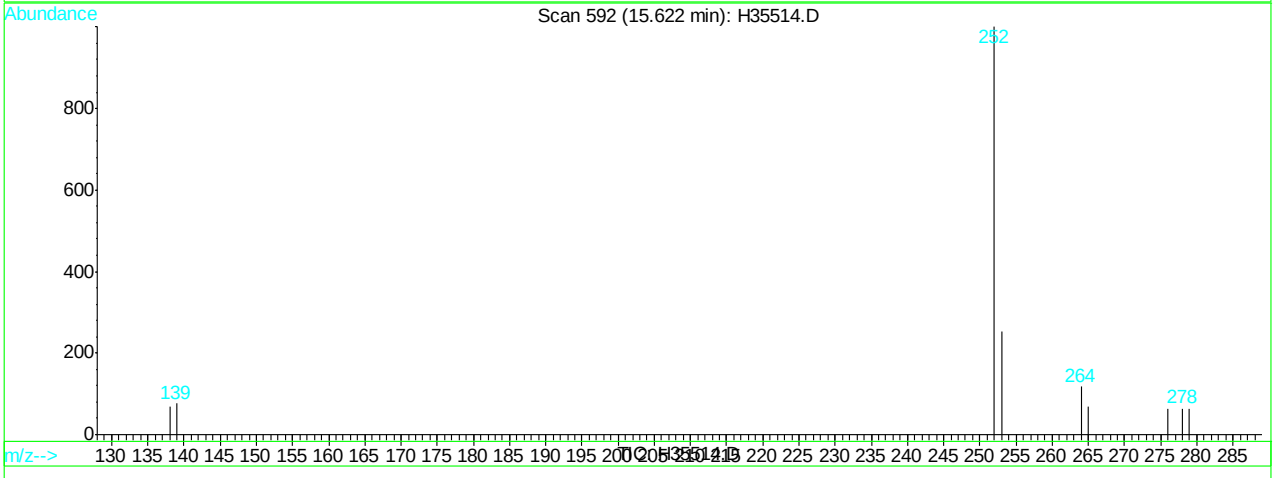


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35514.D Vial: 3
Acq On : 21 Oct 2009 11:31 am Operator: sheilac
Sample : ic1918-1 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:45 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(27) Benzo[b]fluoranthene (T)

15.62min 0.61ppb m

response 2127

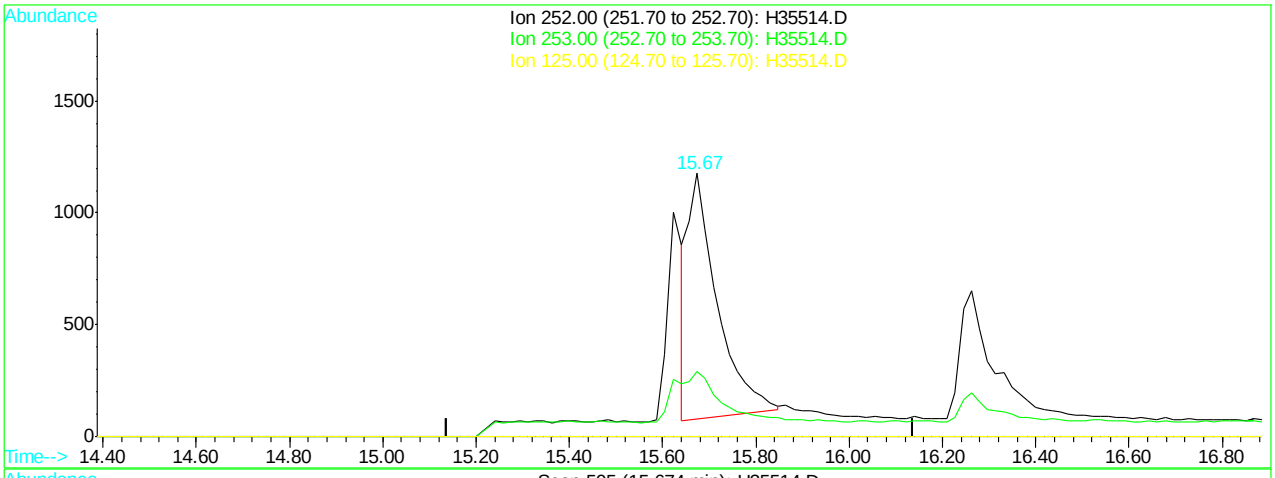
Ion	Exp%	Act%
252.00	100	100
253.00	21.60	25.37
125.00	0.00	0.00
0.00	0.00	0.00

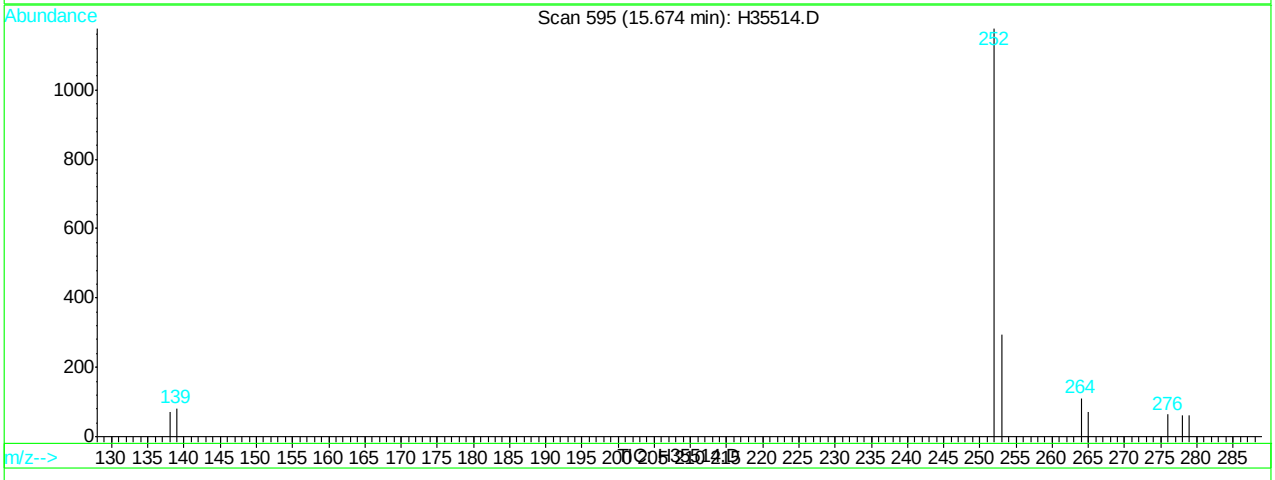
H35514.D H10229SP.M Thu Oct 22 13:29:01 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35514.D Vial: 3
Acq On : 21 Oct 2009 11:31 am Operator: sheilac
Sample : ic1918-1 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:45 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.67min 1.01ppb m

response 4846

Ion	Exp%	Act%
252.00	100	100
253.00	22.80	24.89
125.00	0.00	0.00
0.00	0.00	0.00

H35514.D H10229SP.M Thu Oct 22 13:29:05 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/23/09 13:48

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1918\H35515.D Vial: 4
Acq On : 21 Oct 2009 12:01 pm Operator: sheilac
Sample : ic1918-0.1 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:47 2009 Quant Results File: H10219SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10219SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Wed Oct 21 13:13:22 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.65	152	76671	4.00	ppb	0.00
4) Naphthalene-d8	7.56	136	74580	4.00	ppb	0.00
9) Acenaphthene-d10	9.57	164	51002	4.00	ppb	0.00
15) Phenanthrene-d10	11.09	188	75853	4.00	ppb	0.00
21) Chrysene-d12	13.88	240	25379	4.00	ppb	0.02
26) Perylene-d12	16.37	264	5328	4.00	ppb	0.05

System Monitoring Compounds

5) Nitrobenzene-d5	6.78	82	1453m	0.24	ppb	0.23
Spiked Amount 5.000	Range 17 - 131		Recovery	=	4.80%#	
10) 2-Fluorobiphenyl	8.90	172	16002	0.52	ppb	0.03
Spiked Amount 5.000	Range 15 - 137		Recovery	=	10.40%#	
16) 2,4,6-Tribromophenol	10.45	330	1298m	0.33	ppb	0.05
Spiked Amount 10.000	Range 10 - 123		Recovery	=	3.30%#	
23) Terphenyl-d14	12.68	244	2800	0.88	ppb	0.02
Spiked Amount 5.000	Range 10 - 160		Recovery	=	17.60%	

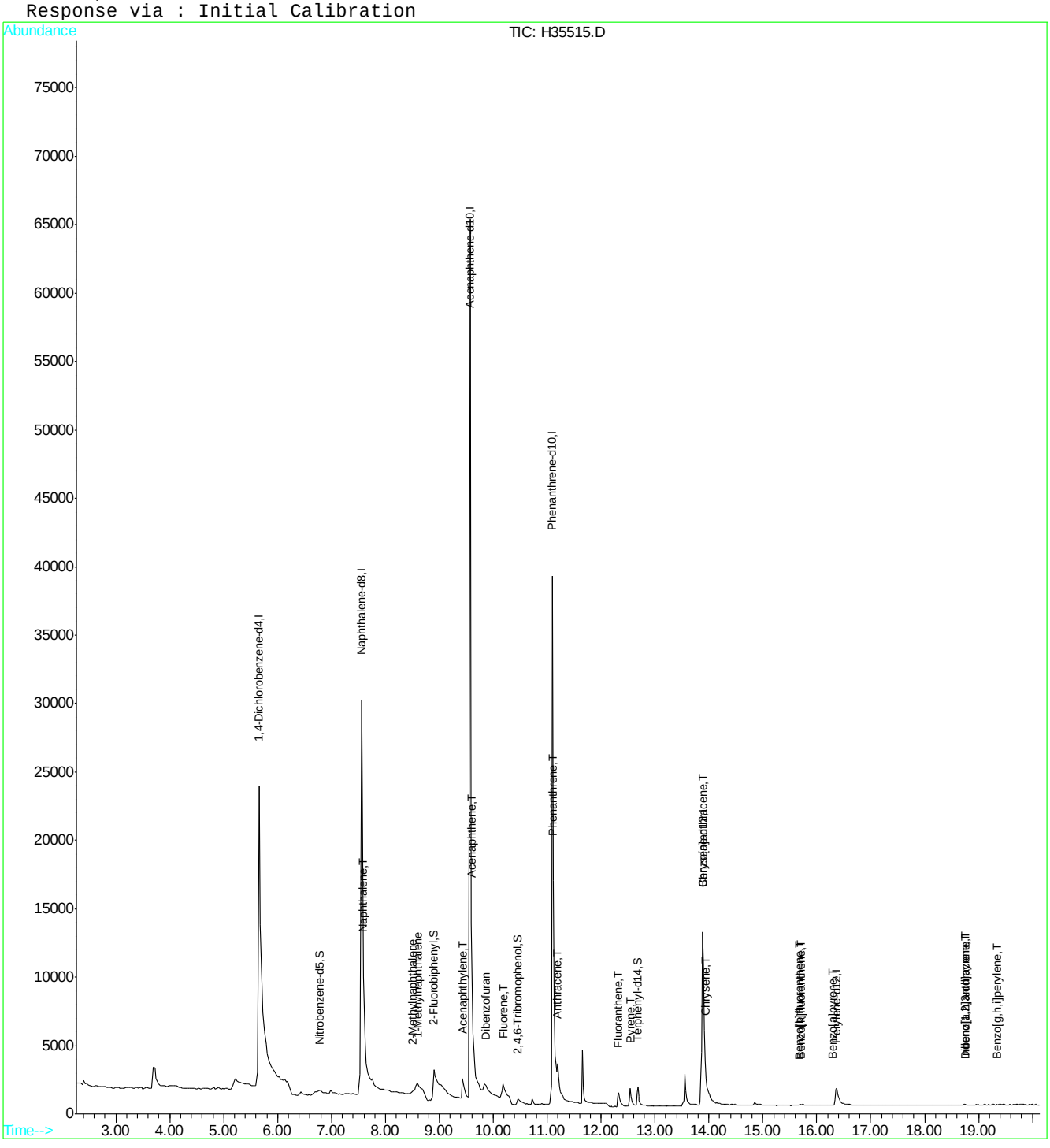
Target Compounds							Qvalue
6) Naphthalene	7.59	128	2448	0.08	ppb		96
7) 2-Methylnaphthalene	8.51	142	580m	0.02	ppb		
8) 1-Methylnaphthalene	8.59	142	2546m	0.07	ppb		
11) Acenaphthylene	9.43	152	3242	0.08	ppb		99
12) Acenaphthene	9.60	153	2712	0.09	ppb	#	67
13) Dibenzofuran	9.86	168	3150	0.12	ppb		96
14) Fluorene	10.19	166	1368	0.07	ppb	#	59
18) Phenanthrene	11.11	178	3940m	0.10	ppb		
19) Anthracene	11.19	178	4332	0.10	ppb		94
20) Fluoranthene	12.33	202	3295	0.08	ppb		97
22) Pyrene	12.54	202	3422	0.24	ppb		96
24) Benzo[a]anthracene	13.88	228	771	0.08	ppb	#	90
25) Chrysene	13.94	228	1233m	0.13	ppb		
27) Benzo[b]fluoranthene	15.67	252	114m	0.05	ppb		
28) Benzo[k]fluoranthene	15.71	252	227m	0.08	ppb		
29) Benzo[a]pyrene	16.30	252	113	0.07	ppb	#	69
30) Indeno[1,2,3-cd]pyrene	18.75	276	58	0.10	ppb	#	59
31) Dibenz[a,h]anthracene	18.75	278	49	0.13	ppb	#	49
32) Benzo[g,h,i]perylene	19.34	276	62	0.15	ppb		96

(#) = qualifier out of range (m) = manual integration
H35515.D H10229SP.M Thu Oct 22 13:29:12 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1918\H35515.D Vial: 4
Acq On : 21 Oct 2009 12:01 pm Operator: sheilac
Sample : ic1918-0.1 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:47 2009 Quant Results File: H10219SP.RES

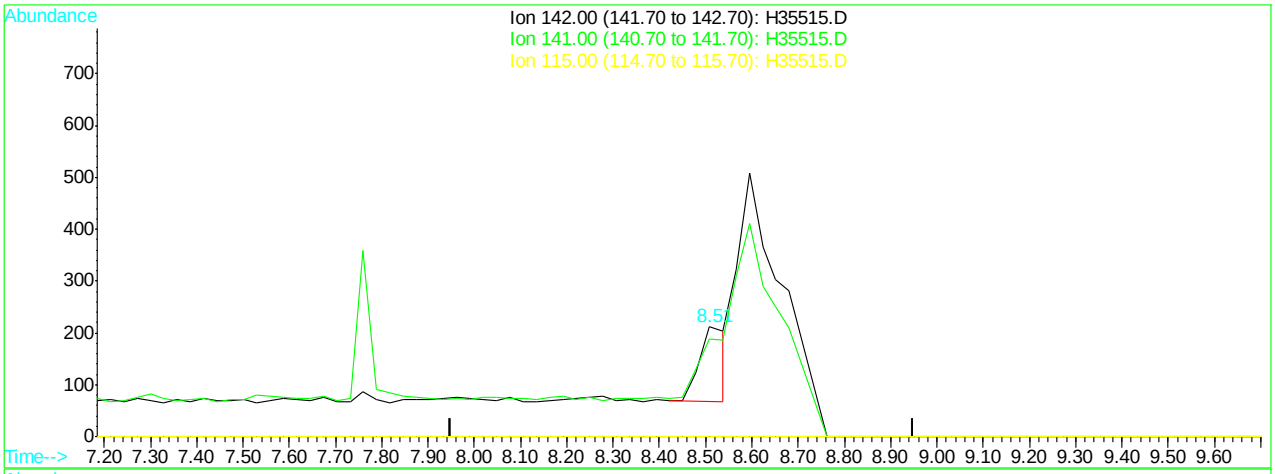
Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Initial Calibration

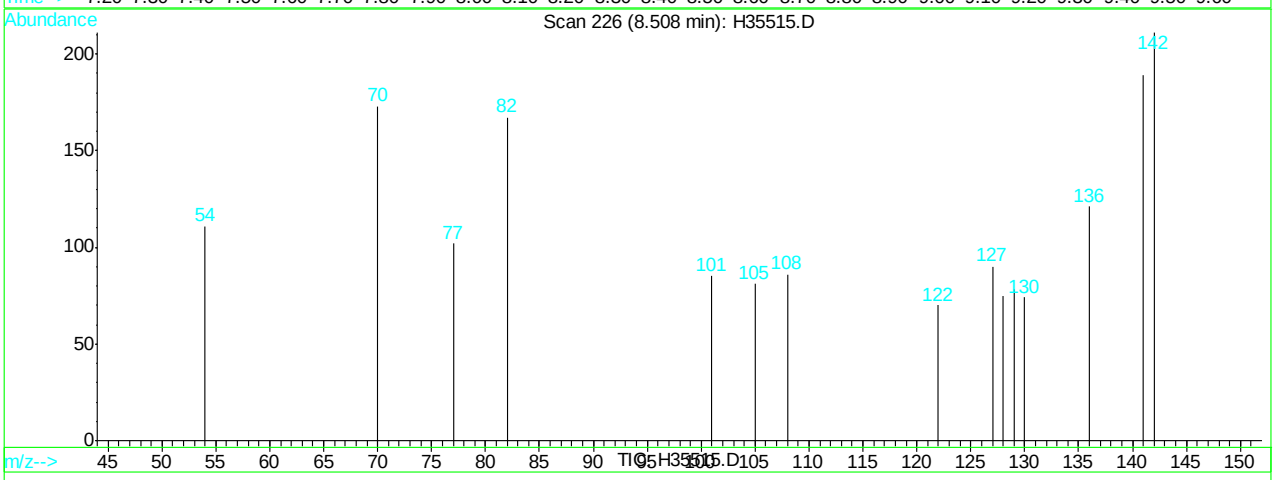


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35515.D Vial: 4
Acq On : 21 Oct 2009 12:01 pm Operator: sheilac
Sample : ic1918-0.1 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:47 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(7) 2-Methylnaphthalene

8.51min 0.02ppb m

response 580

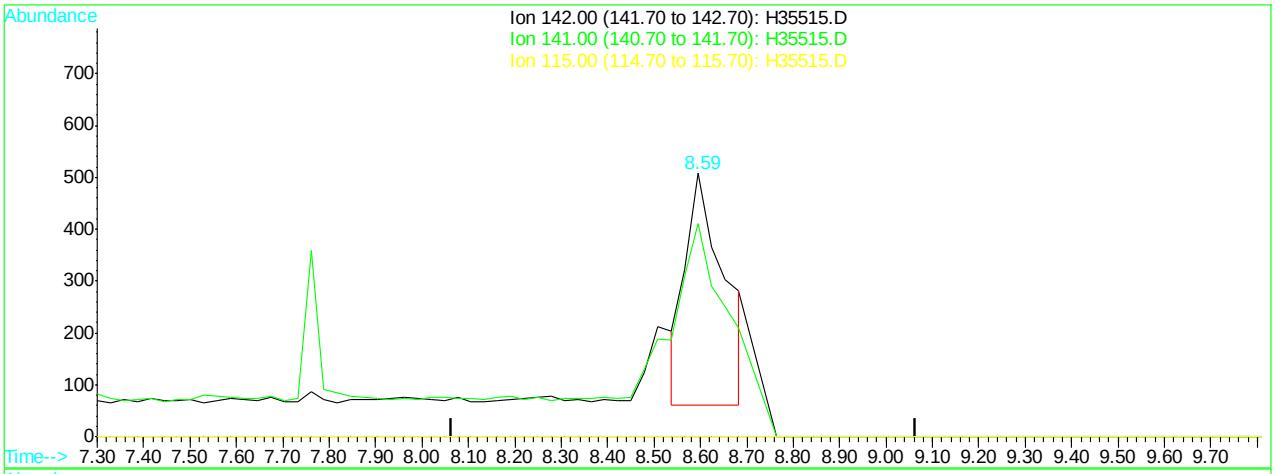
Ion	Exp%	Act%
142.00	100	100
141.00	71.00	708.62#
115.00	0.00	0.00
0.00	0.00	0.00

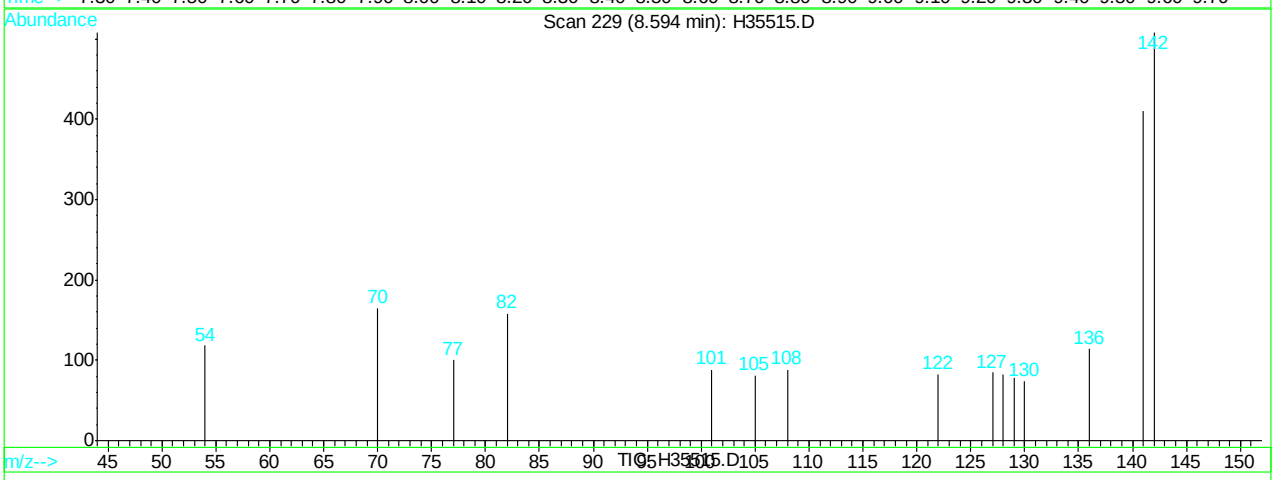
H35515.D H10229SP.M Thu Oct 22 13:29:35 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35515.D Vial: 4
Acq On : 21 Oct 2009 12:01 pm Operator: sheilac
Sample : ic1918-0.1 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:47 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(8) 1-Methylnaphthalene

8.59min 0.07ppb m

response 2546

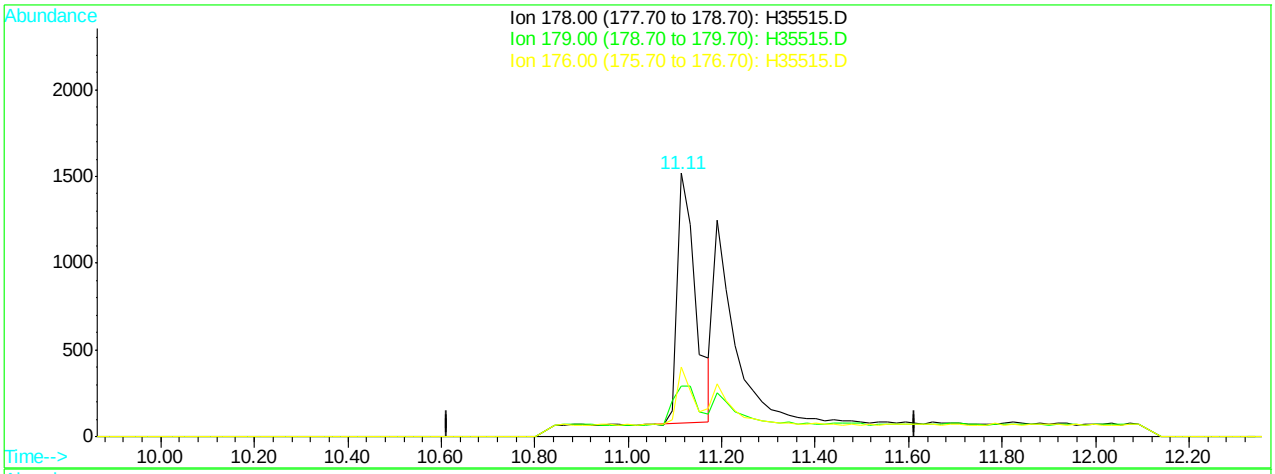
Ion	Exp%	Act%
142.00	100	100
141.00	81.20	161.43#
115.00	0.00	0.00
0.00	0.00	0.00

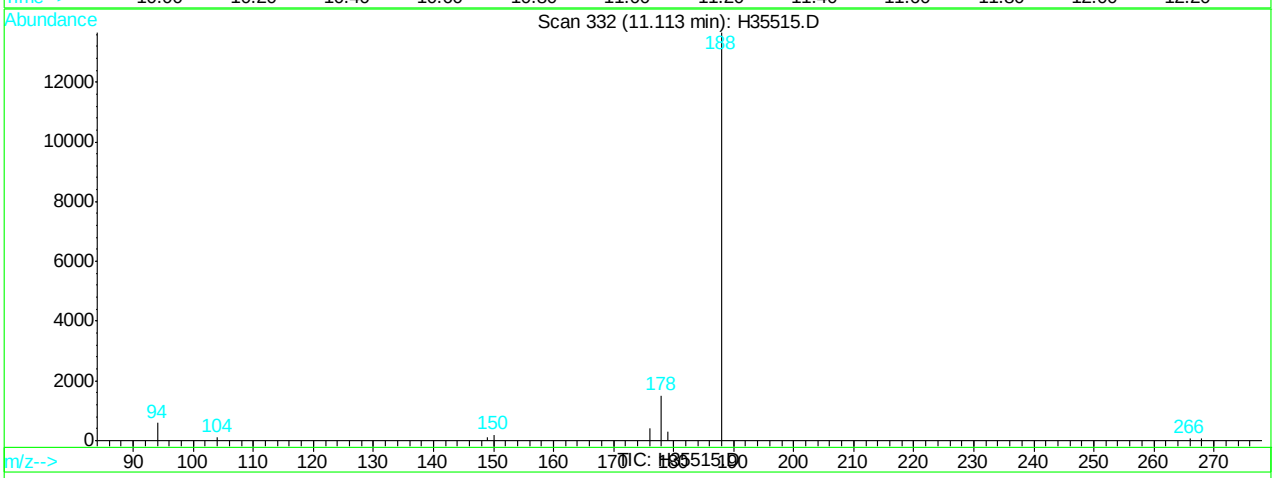
H35515.D H10229SP.M Thu Oct 22 13:29:39 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35515.D Vial: 4
Acq On : 21 Oct 2009 12:01 pm Operator: sheilac
Sample : ic1918-0.1 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:47 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(18) Phenanthrene (T)

11.11min 0.10ppb m

response 3940

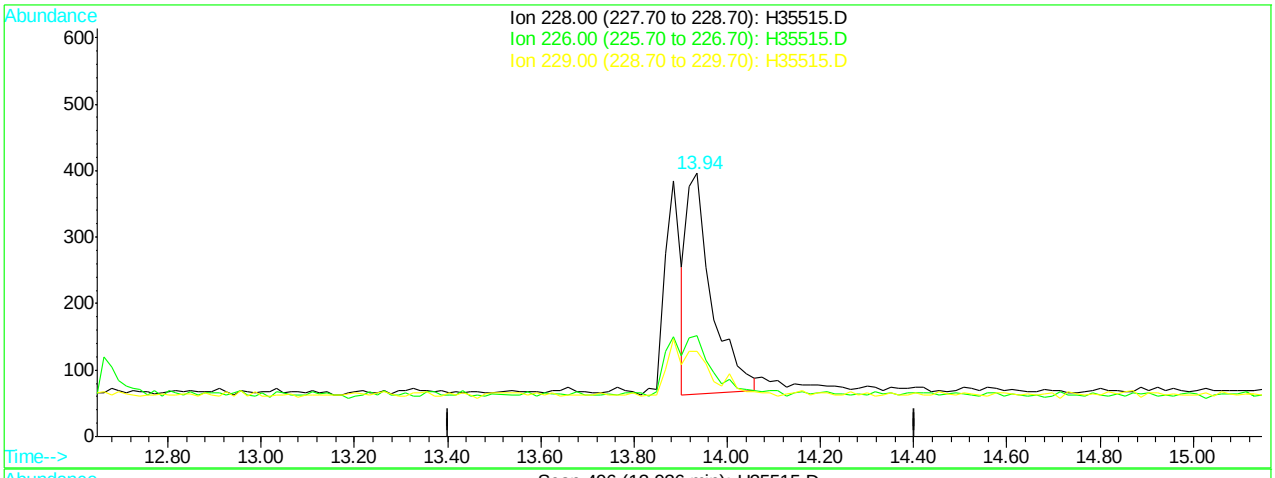
Ion	Exp%	Act%
178.00	100	100
179.00	17.80	19.04
176.00	17.10	26.61#
0.00	0.00	0.00

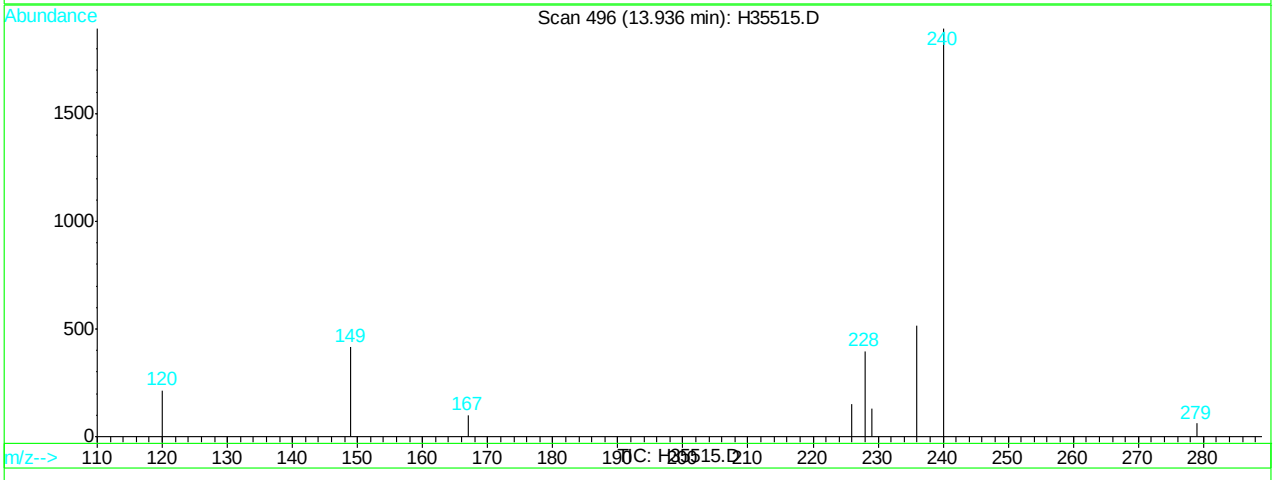
H35515.D H10229SP.M Thu Oct 22 13:29:45 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35515.D Vial: 4
Acq On : 21 Oct 2009 12:01 pm Operator: sheilac
Sample : ic1918-0.1 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:47 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(25) Chrysene (T)

13.94min 0.13ppb m

response 1233

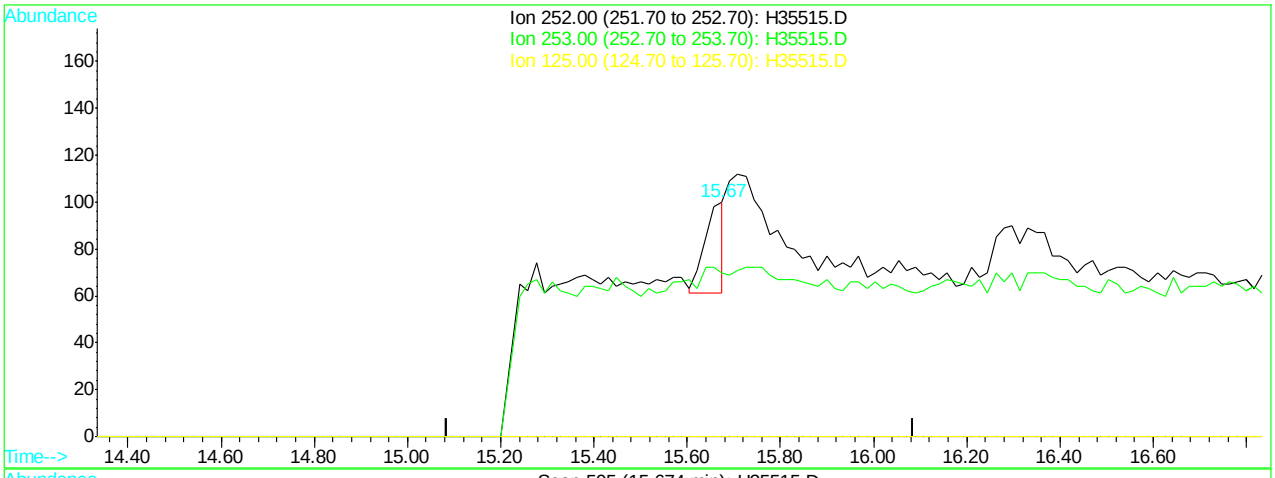
Ion	Exp%	Act%
228.00	100	100
226.00	30.10	38.38
229.00	19.10	32.32#
0.00	0.00	0.00

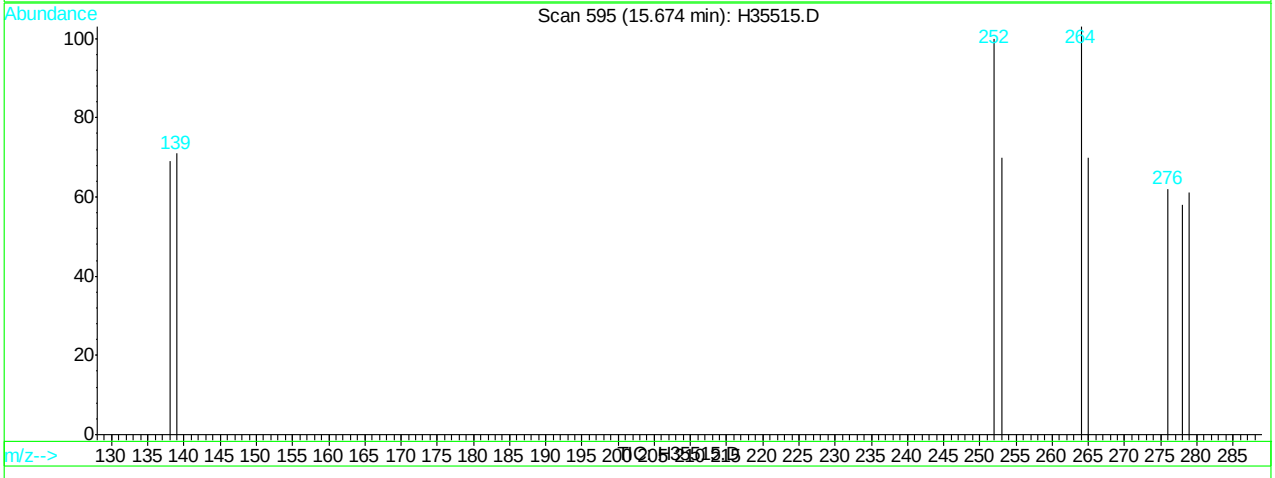
H35515.D H10229SP.M Thu Oct 22 13:29:49 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35515.D Vial: 4
Acq On : 21 Oct 2009 12:01 pm Operator: sheilac
Sample : ic1918-0.1 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:47 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(27) Benzo[b]fluoranthene (T)

15.67min 0.05ppb m

response 114

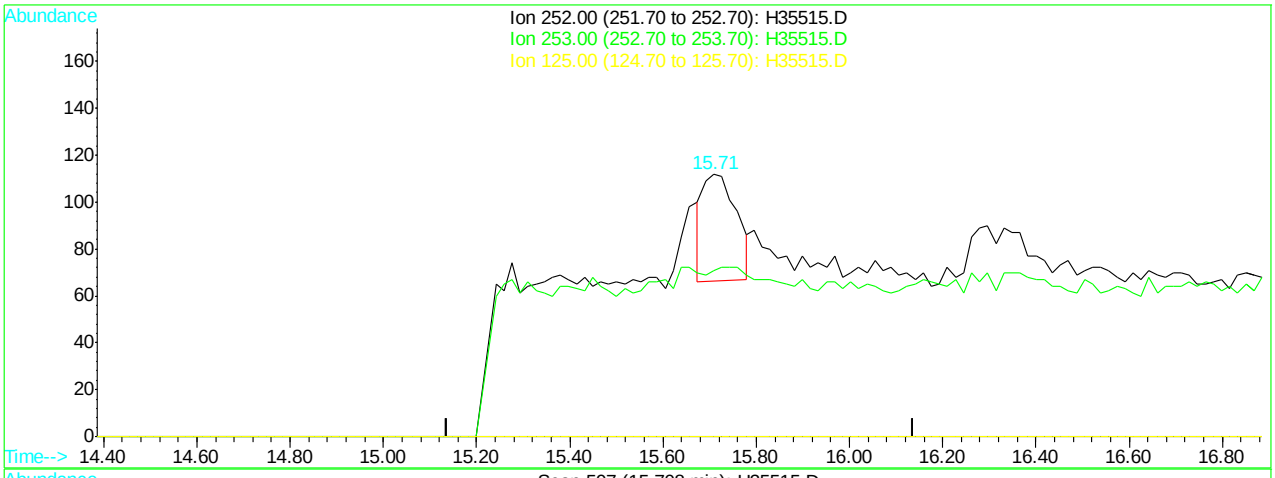
Ion	Exp%	Act%
252.00	100	100
253.00	21.60	70.00#
125.00	0.00	0.00
0.00	0.00	0.00

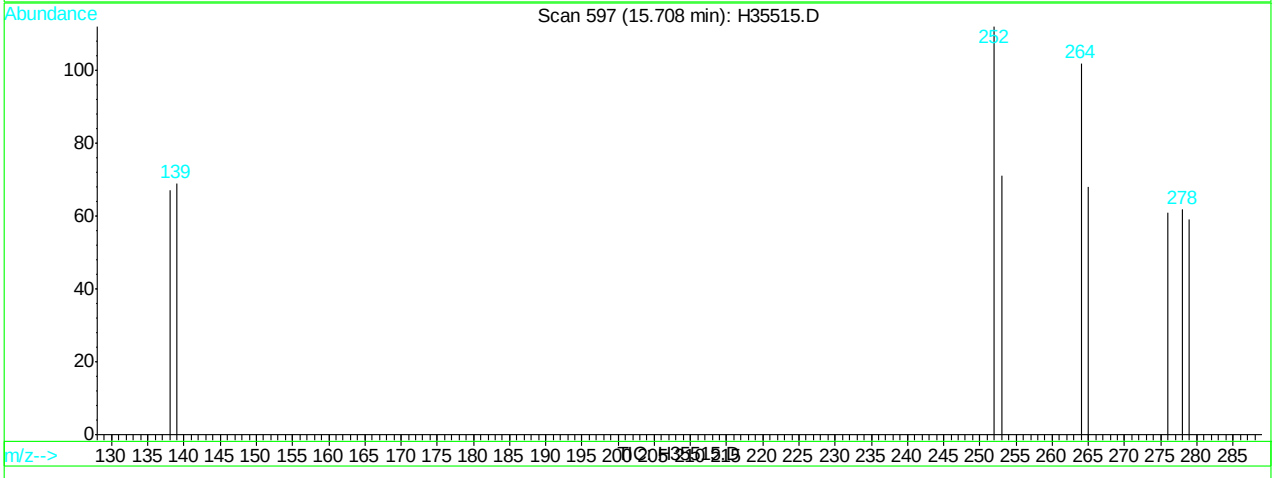
H35515.D H10229SP.M Thu Oct 22 13:29:52 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35515.D Vial: 4
Acq On : 21 Oct 2009 12:01 pm Operator: sheilac
Sample : ic1918-0.1 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:47 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.71min 0.08ppb m

response 227

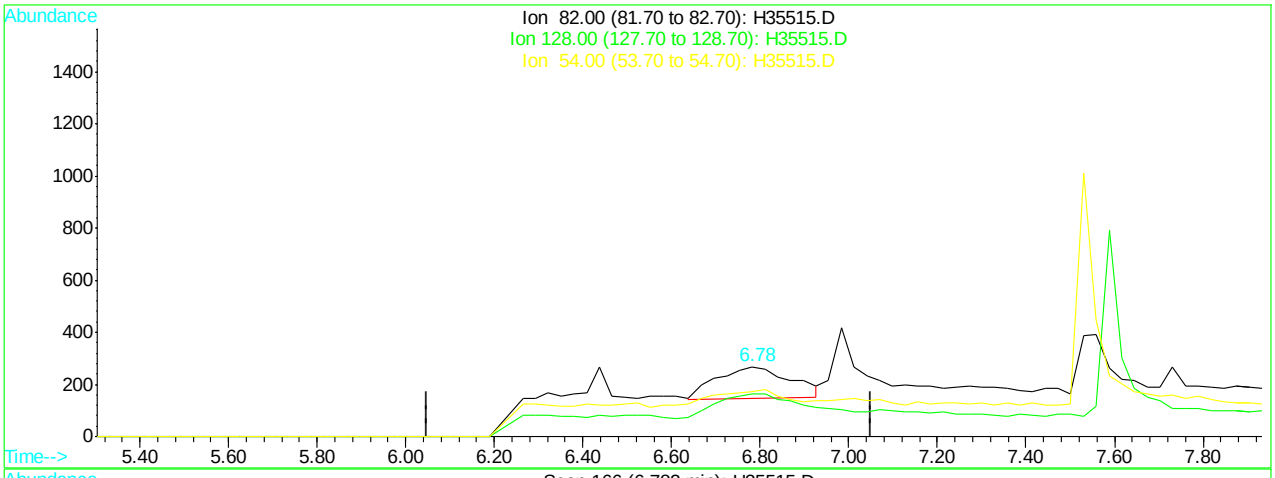
Ion	Exp%	Act%
252.00	100	100
253.00	22.80	63.39#
125.00	0.00	0.00
0.00	0.00	0.00

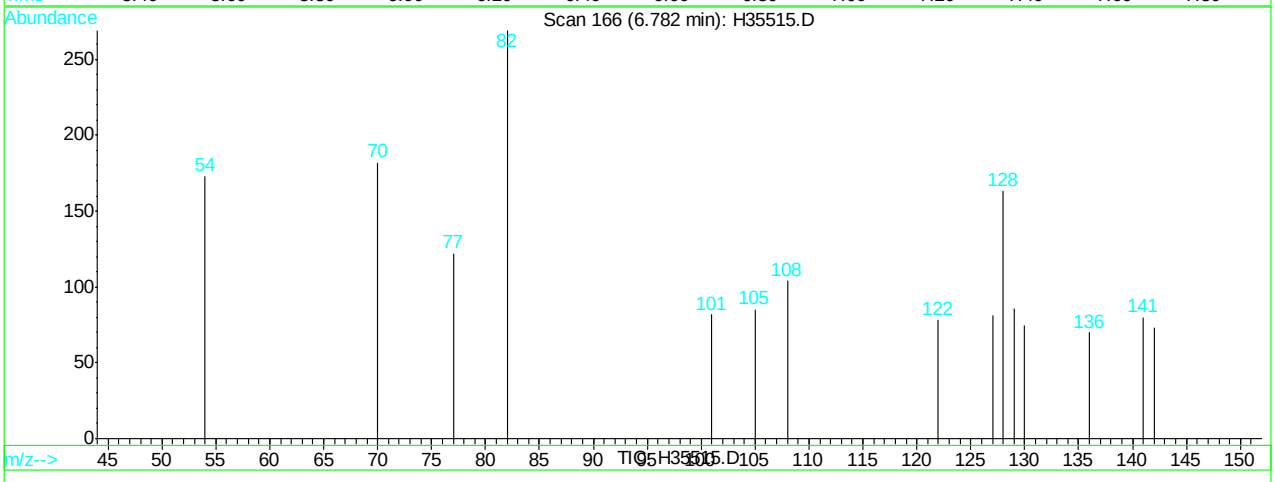
H35515.D H10229SP.M Thu Oct 22 13:29:56 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35515.D Vial: 4
Acq On : 21 Oct 2009 12:01 pm Operator: sheilac
Sample : ic1918-0.1 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:47 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(5) Nitrobenzene-d5 (S)

6.78min 0.24ppb m

response 1453

Ion	Exp%	Act%
82.00	100	100
128.00	13.90	60.59#
54.00	49.20	64.31#
0.00	0.00	0.00

H35515.D H10229SP.M Thu Oct 22 13:30:42 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez 10/23/09 13:48

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1918\H35516.D Vial: 5
Acq On : 21 Oct 2009 12:32 pm Operator: sheilac
Sample : ic1918-0.2 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:49 2009 Quant Results File: H10219SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10219SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Wed Oct 21 13:13:22 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.65	152	75841	4.00	ppb	0.00
4) Naphthalene-d8	7.56	136	71073	4.00	ppb	0.00
9) Acenaphthene-d10	9.57	164	52298	4.00	ppb	0.00
15) Phenanthrene-d10	11.09	188	78407	4.00	ppb	0.00
21) Chrysene-d12	13.88	240	34140	4.00	ppb	0.02
26) Perylene-d12	16.35	264	8494	4.00	ppb	0.04

System Monitoring Compounds

5) Nitrobenzene-d5	6.70	82	1514m	0.26	ppb	0.15
Spiked Amount 5.000	Range 17 - 131		Recovery	=	5.20%#	
10) 2-Fluorobiphenyl	8.90	172	26852	0.85	ppb	0.03
Spiked Amount 5.000	Range 15 - 137		Recovery	=	17.00%	
16) 2,4,6-Tribromophenol	10.44	330	4573	1.13	ppb	0.03
Spiked Amount 10.000	Range 10 - 123		Recovery	=	11.30%	
23) Terphenyl-d14	12.68	244	5789	1.35	ppb	0.01
Spiked Amount 5.000	Range 10 - 160		Recovery	=	27.00%	

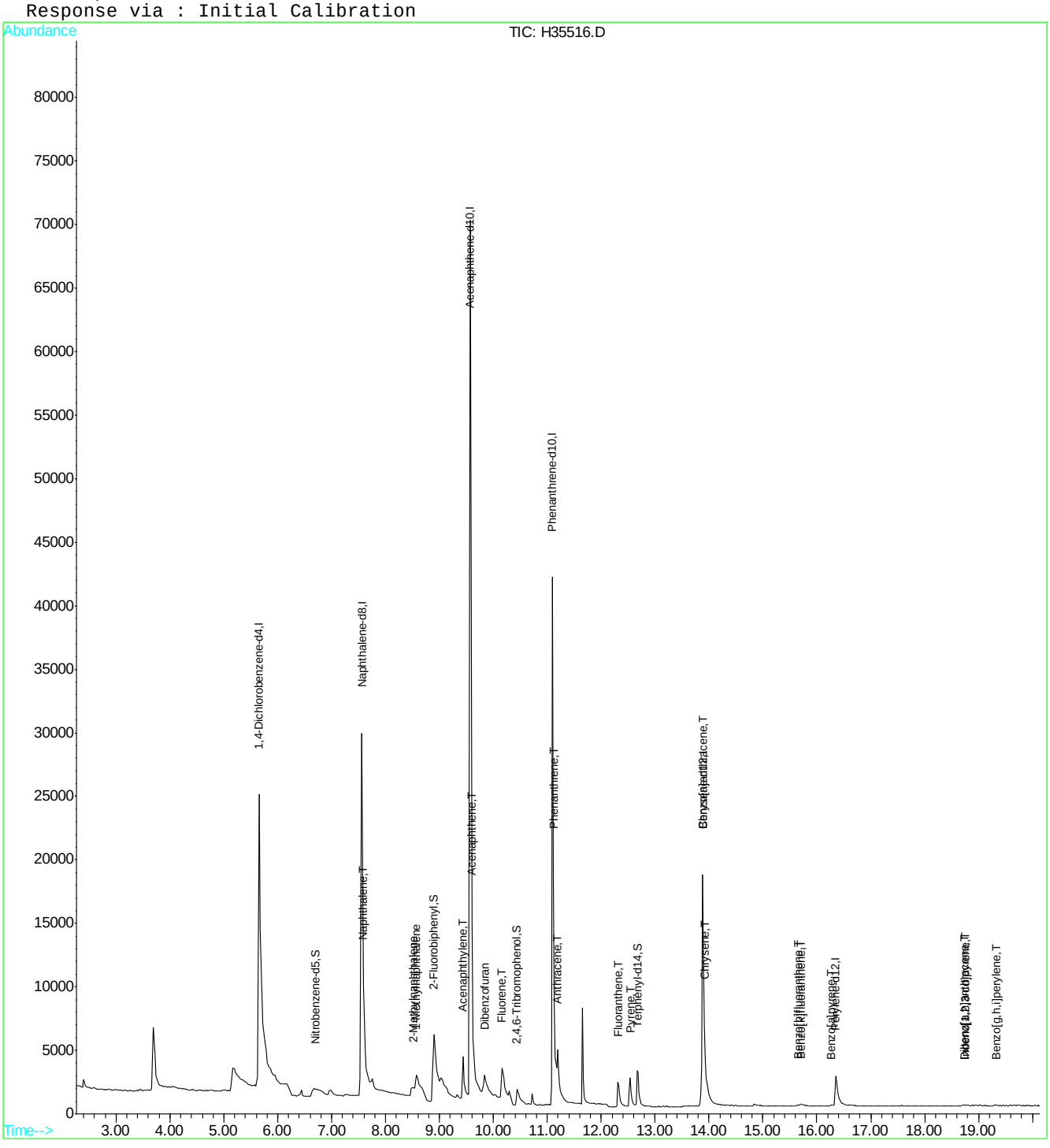
Target Compounds							Qvalue
6) Naphthalene	7.59	128	4091	0.14	ppb		97
7) 2-Methylnaphthalene	8.51	142	1629m	0.07	ppb		
8) 1-Methylnaphthalene	8.57	142	3687m	0.10	ppb		
11) Acenaphthylene	9.44	152	6142	0.15	ppb		93
12) Acenaphthene	9.60	153	5085	0.16	ppb	#	71
13) Dibenzofuran	9.84	168	5578	0.21	ppb		97
14) Fluorene	10.16	166	3269	0.17	ppb		75
18) Phenanthrene	11.11	178	6332m	0.15	ppb		
19) Anthracene	11.19	178	7532	0.17	ppb		97
20) Fluoranthene	12.31	202	5471m	0.13	ppb		
22) Pyrene	12.54	202	6060	0.31	ppb		95
24) Benzo[a]anthracene	13.88	228	1640	0.13	ppb		90
25) Chrysene	13.92	228	2257m	0.18	ppb		
27) Benzo[b]fluoranthene	15.66	252	266m	0.08	ppb		
28) Benzo[k]fluoranthene	15.71	252	639m	0.14	ppb		
29) Benzo[a]pyrene	16.26	252	256	0.09	ppb		88
30) Indeno[1,2,3-cd]pyrene	18.75	276	228	0.24	ppb	#	77
31) Dibenz[a,h]anthracene	18.74	278	78	0.13	ppb	#	69
32) Benzo[g,h,i]perylene	19.32	276	181	0.27	ppb	#	81

(#) = qualifier out of range (m) = manual integration
H35516.D H10229SP.M Thu Oct 22 13:30:03 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1918\H35516.D Vial: 5
Acq On : 21 Oct 2009 12:32 pm Operator: sheilac
Sample : ic1918-0.2 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:49 2009 Quant Results File: H10219SP.RES

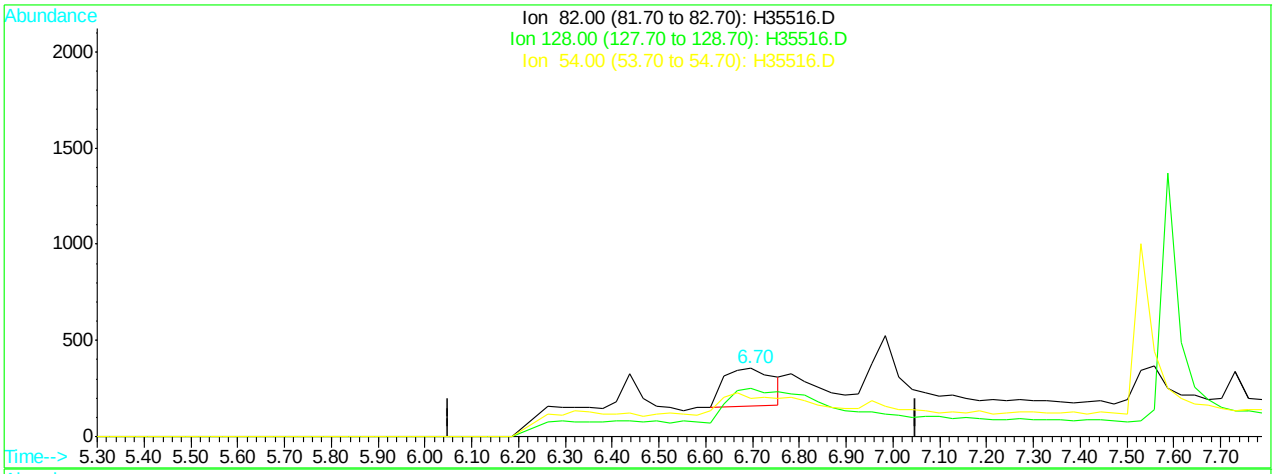
Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Initial Calibration

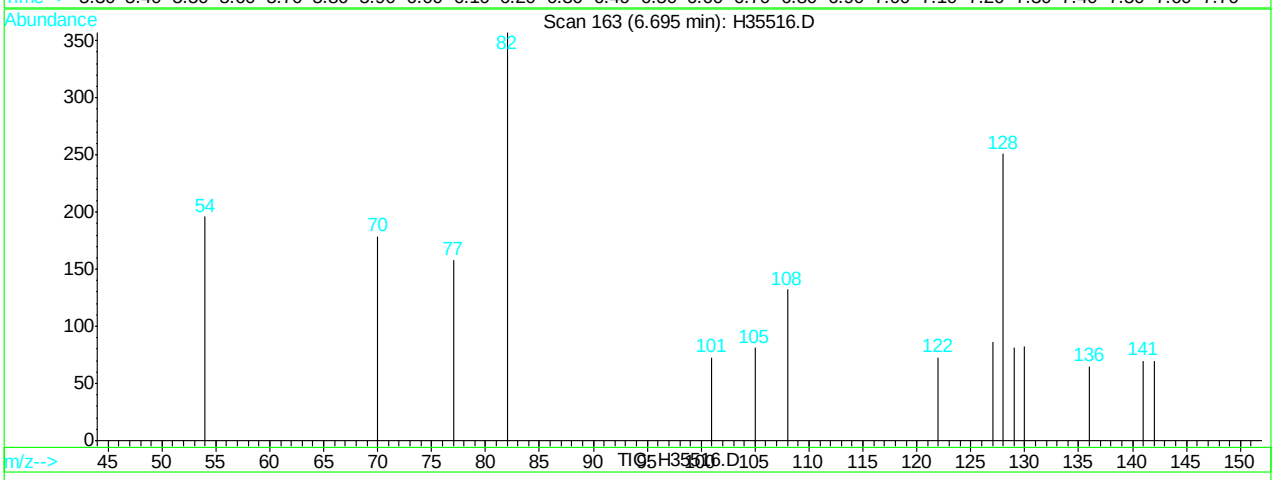


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35516.D Vial: 5
Acq On : 21 Oct 2009 12:32 pm Operator: sheilac
Sample : ic1918-0.2 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:49 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(5) Nitrobenzene-d5 (S)

6.70min 0.26ppb m

response 1514

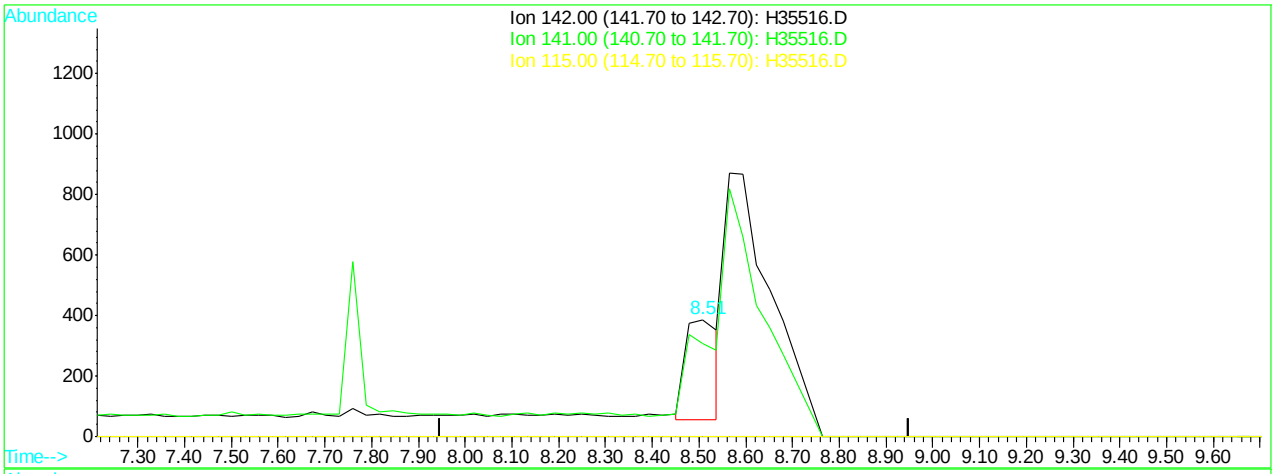
Ion	Exp%	Act%
82.00	100	100
128.00	13.90	70.31#
54.00	49.20	54.90
0.00	0.00	0.00

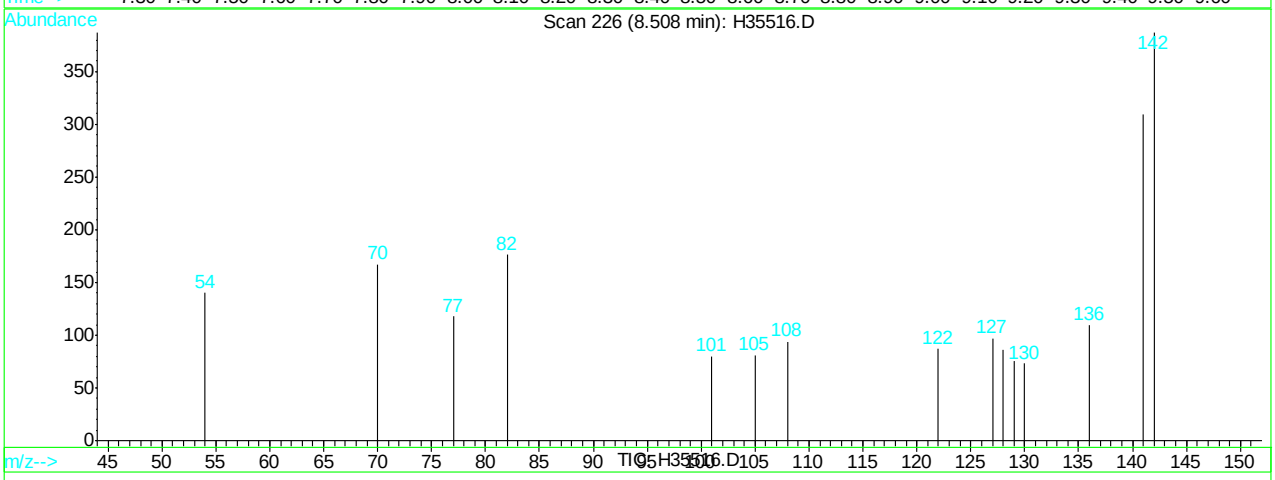
H35516.D H10229SP.M Thu Oct 22 13:30:55 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35516.D Vial: 5
Acq On : 21 Oct 2009 12:32 pm Operator: sheilac
Sample : ic1918-0.2 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:49 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(7) 2-Methylnaphthalene

8.51min 0.07ppb m

response 1629

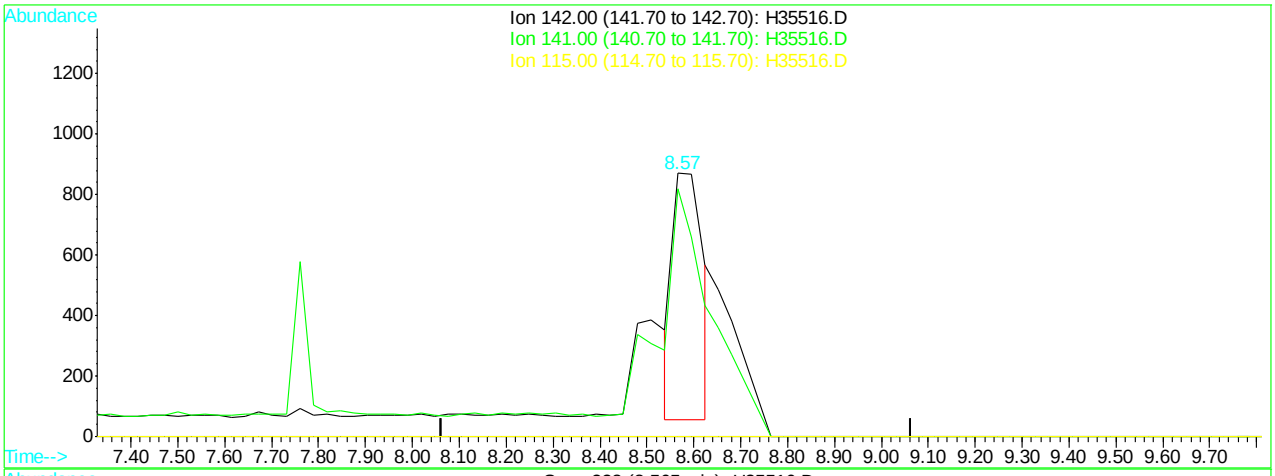
Ion	Exp%	Act%
142.00	100	100
141.00	71.00	442.79#
115.00	0.00	0.00
0.00	0.00	0.00

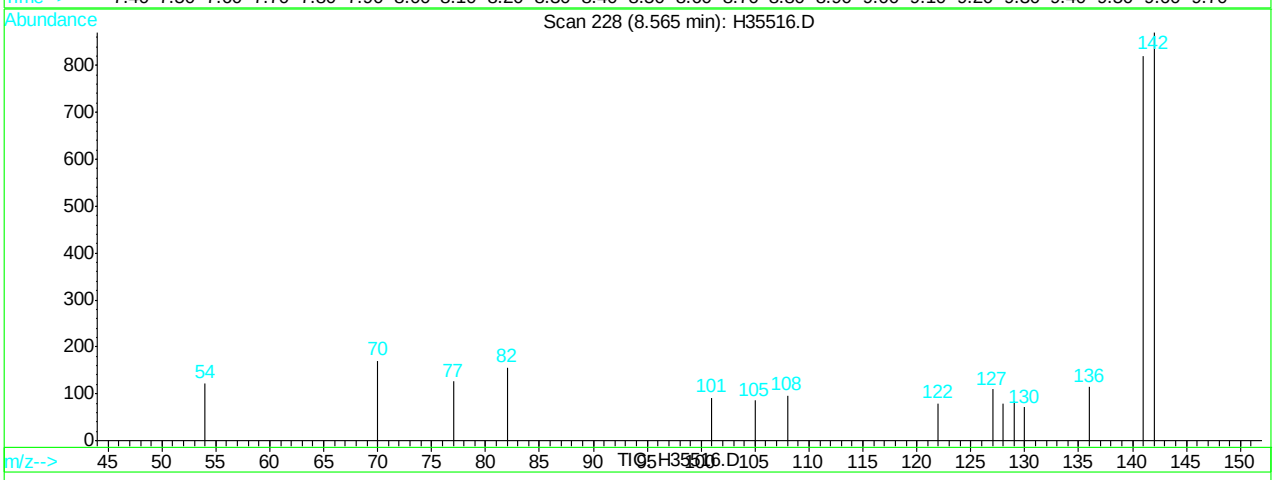
H35516.D H10229SP.M Thu Oct 22 13:31:00 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35516.D Vial: 5
Acq On : 21 Oct 2009 12:32 pm Operator: sheilac
Sample : ic1918-0.2 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:49 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(8) 1-Methylnaphthalene

8.57min 0.10ppb m

response 3687

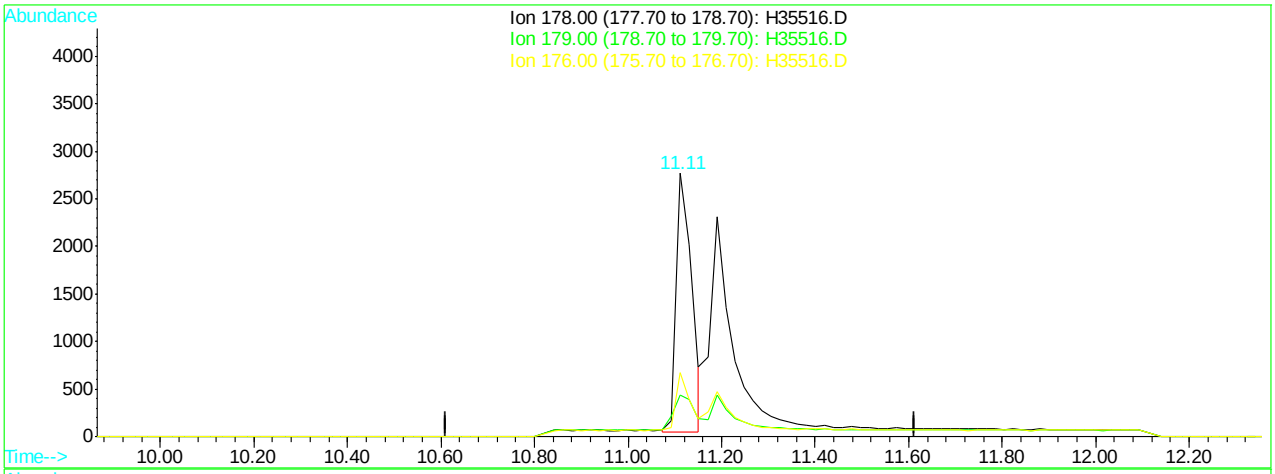
Ion	Exp%	Act%
142.00	100	100
141.00	81.20	195.63#
115.00	0.00	0.00
0.00	0.00	0.00

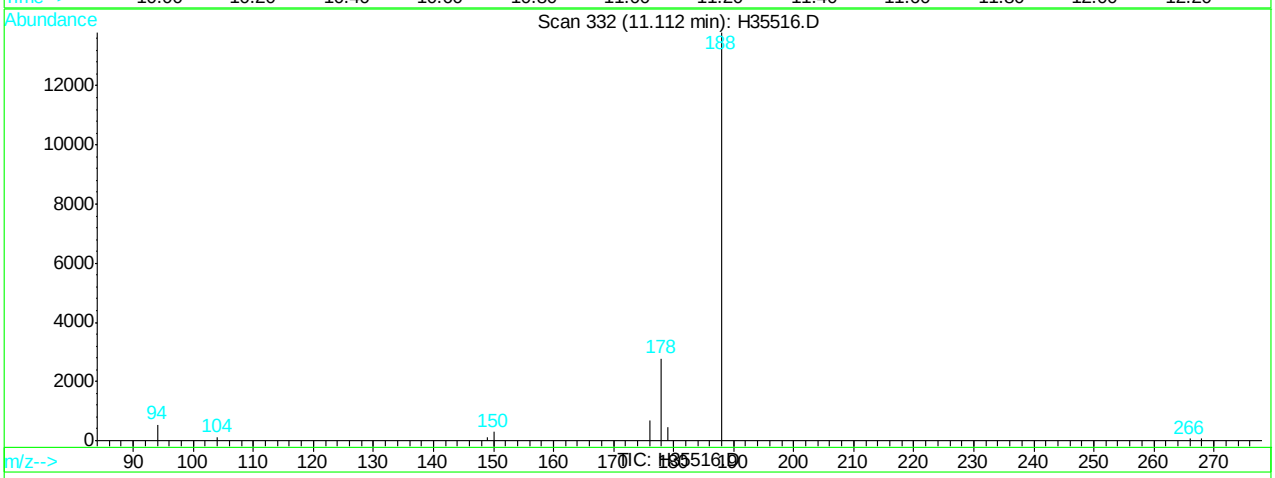
H35516.D H10229SP.M Thu Oct 22 13:31:03 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35516.D Vial: 5
Acq On : 21 Oct 2009 12:32 pm Operator: sheilac
Sample : ic1918-0.2 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:49 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(18) Phenanthrene (T)

11.11min 0.15ppb m

response 6332

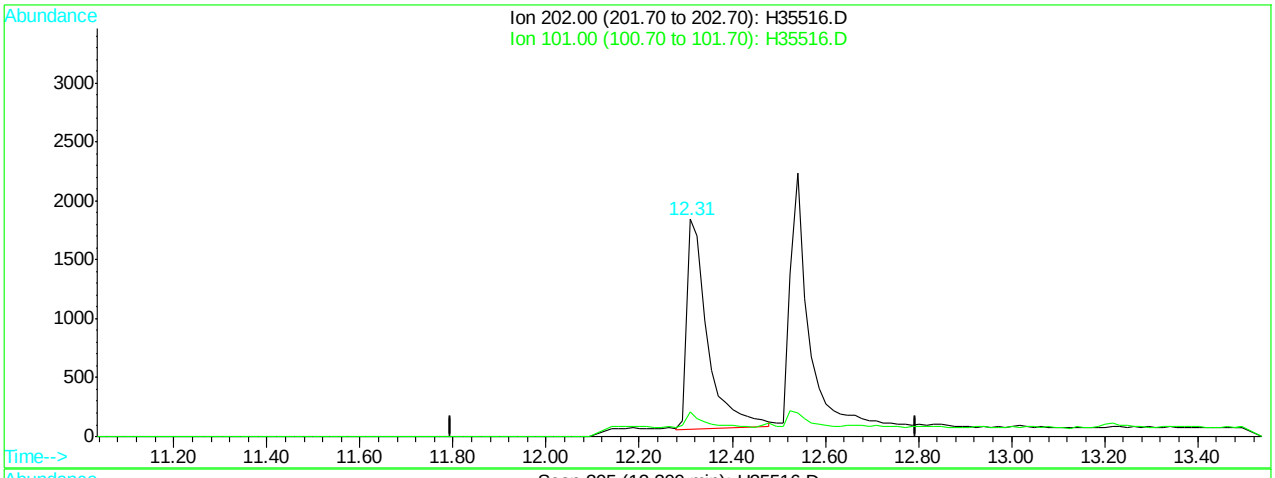
Ion	Exp%	Act%
178.00	100	100
179.00	17.80	15.81
176.00	17.10	24.40#
0.00	0.00	0.00

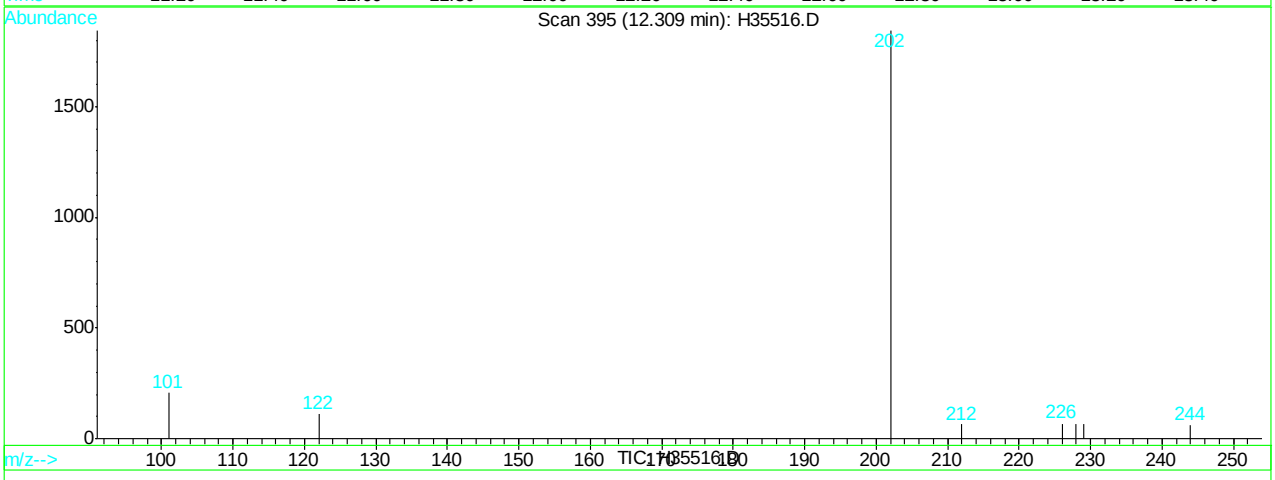
H35516.D H10229SP.M Thu Oct 22 13:31:10 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35516.D Vial: 5
Acq On : 21 Oct 2009 12:32 pm Operator: sheilac
Sample : ic1918-0.2 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:49 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(20) Fluoranthene (T)

12.31min 0.13ppb m

response 5471

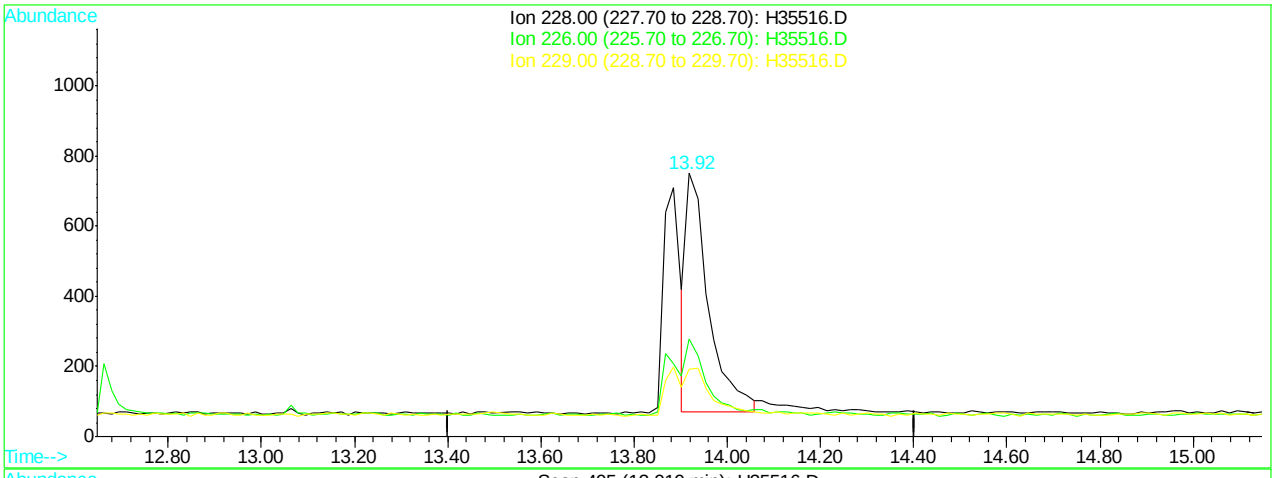
Ion	Exp%	Act%
202.00	100	100
101.00	4.10	11.18#
0.00	0.00	0.00
0.00	0.00	0.00

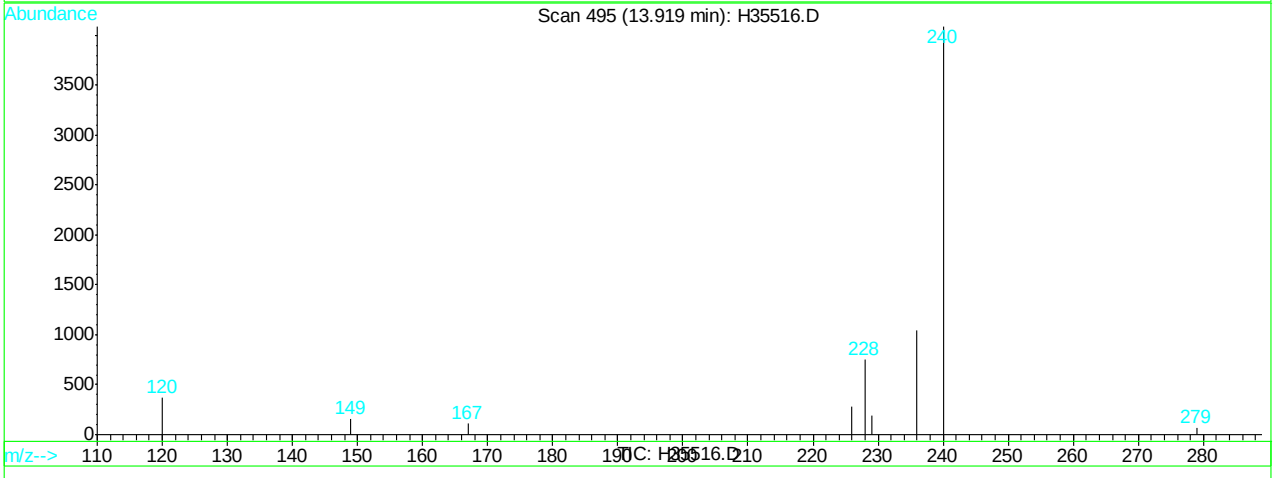
H35516.D H10229SP.M Thu Oct 22 13:31:14 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35516.D Vial: 5
Acq On : 21 Oct 2009 12:32 pm Operator: sheilac
Sample : ic1918-0.2 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:49 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(25) Chrysene (T)

13.92min 0.18ppb m

response 2257

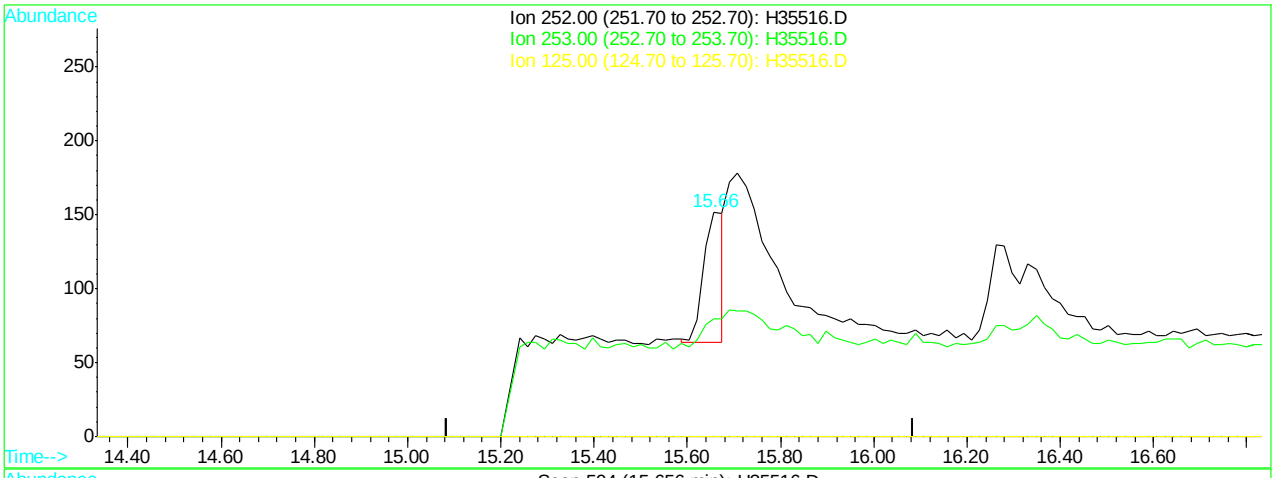
Ion	Exp%	Act%
228.00	100	100
226.00	30.10	36.88
229.00	19.10	25.70#
0.00	0.00	0.00

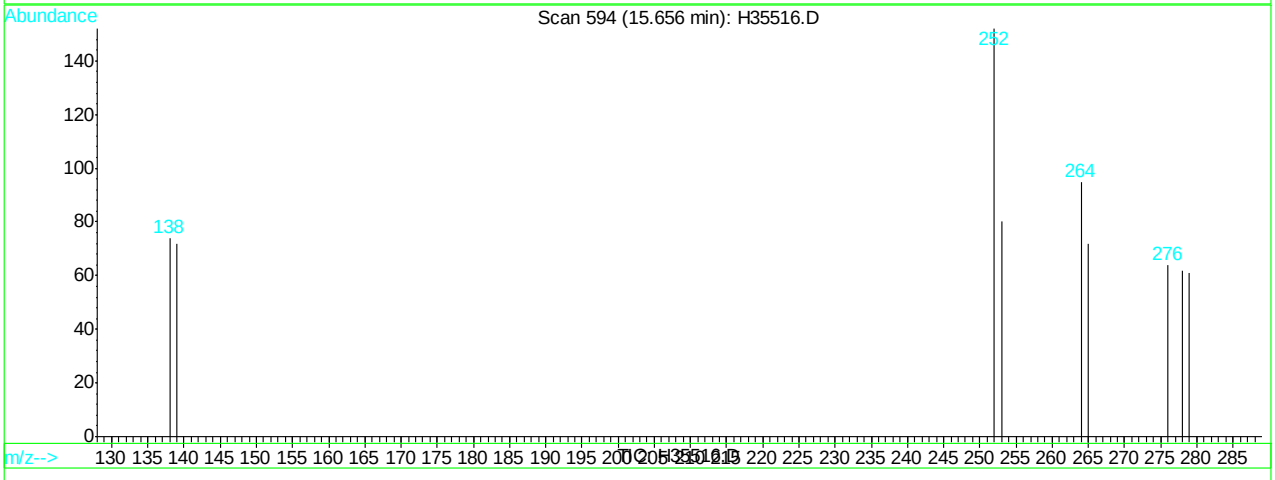
H35516.D H10229SP.M Thu Oct 22 13:31:18 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35516.D Vial: 5
Acq On : 21 Oct 2009 12:32 pm Operator: sheilac
Sample : ic1918-0.2 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:49 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(27) Benzo[b]fluoranthene (T)

15.66min 0.08ppb m

response 266

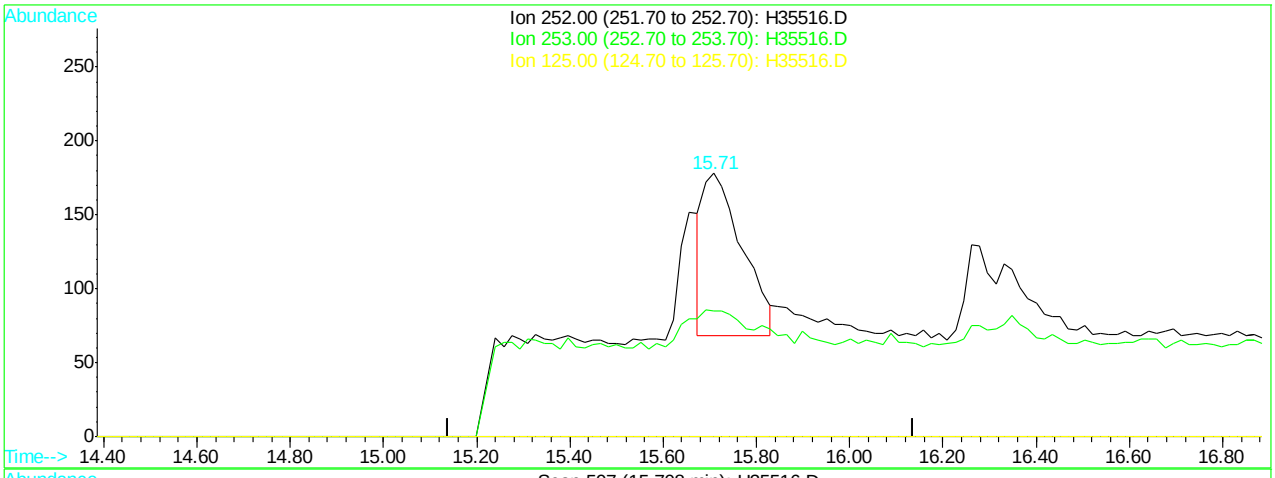
Ion	Exp%	Act%
252.00	100	100
253.00	21.60	52.63#
125.00	0.00	0.00
0.00	0.00	0.00

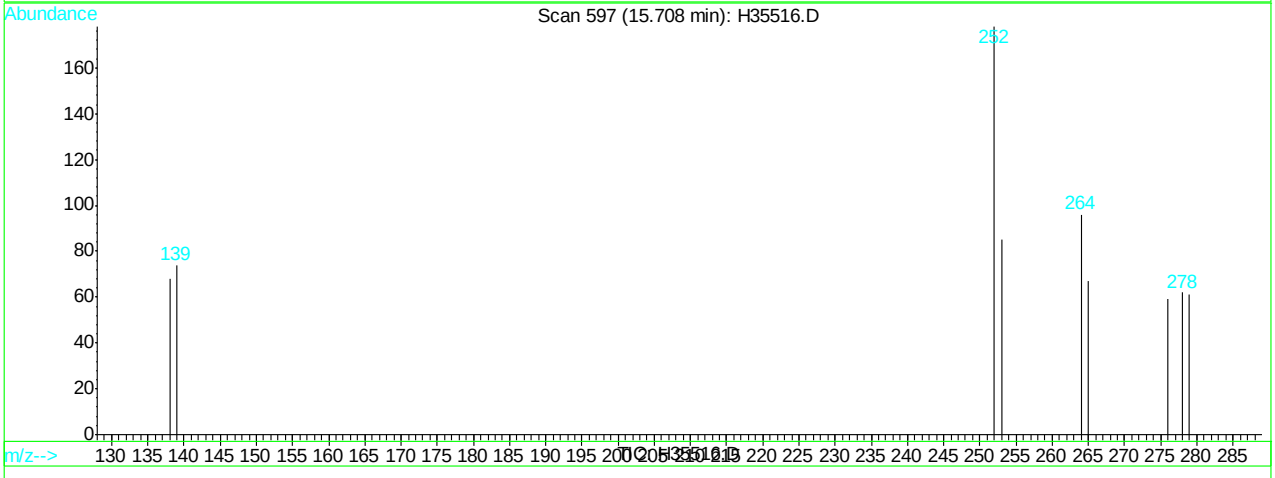
H35516.D H10229SP.M Thu Oct 22 13:31:21 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35516.D Vial: 5
Acq On : 21 Oct 2009 12:32 pm Operator: sheilac
Sample : ic1918-0.2 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:49 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.71min 0.14ppb m

response 639

Ion	Exp%	Act%
252.00	100	100
253.00	22.80	47.75#
125.00	0.00	0.00
0.00	0.00	0.00

H35516.D H10229SP.M Thu Oct 22 13:31:24 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez 10/23/09 13:48

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1918\H35517.D Vial: 6
Acq On : 21 Oct 2009 12:58 pm Operator: sheilac
Sample : ic1918-5 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:59 2009 Quant Results File: H10219SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10219SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Wed Oct 21 13:58:34 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.65	152	81505	4.00	ppb	0.00
4) Naphthalene-d8	7.56	136	77465	4.00	ppb	0.00
9) Acenaphthene-d10	9.57	164	55979	4.00	ppb	0.00
15) Phenanthrene-d10	11.09	188	87324	4.00	ppb	0.00
21) Chrysene-d12	13.88	240	48767	4.00	ppb	0.00
26) Perylene-d12	16.35	264	9936	4.00	ppb	0.00

System Monitoring Compounds

5) Nitrobenzene-d5	6.55	82	108252	26.65	ppb	0.00
Spiked Amount 5.000	Range 17 - 131		Recovery = 533.00%#			
10) 2-Fluorobiphenyl	8.87	172	1218319	27.16	ppb	0.00
Spiked Amount 5.000	Range 15 - 137		Recovery = 543.20%#			
16) 2,4,6-Tribromophenol	10.40	330	173687	50.66	ppb	0.00
Spiked Amount 10.000	Range 10 - 123		Recovery = 506.60%#			
23) Terphenyl-d14	12.66	244	253428	27.37	ppb	0.00
Spiked Amount 5.000	Range 10 - 160		Recovery = 547.40%#			

Target Compounds

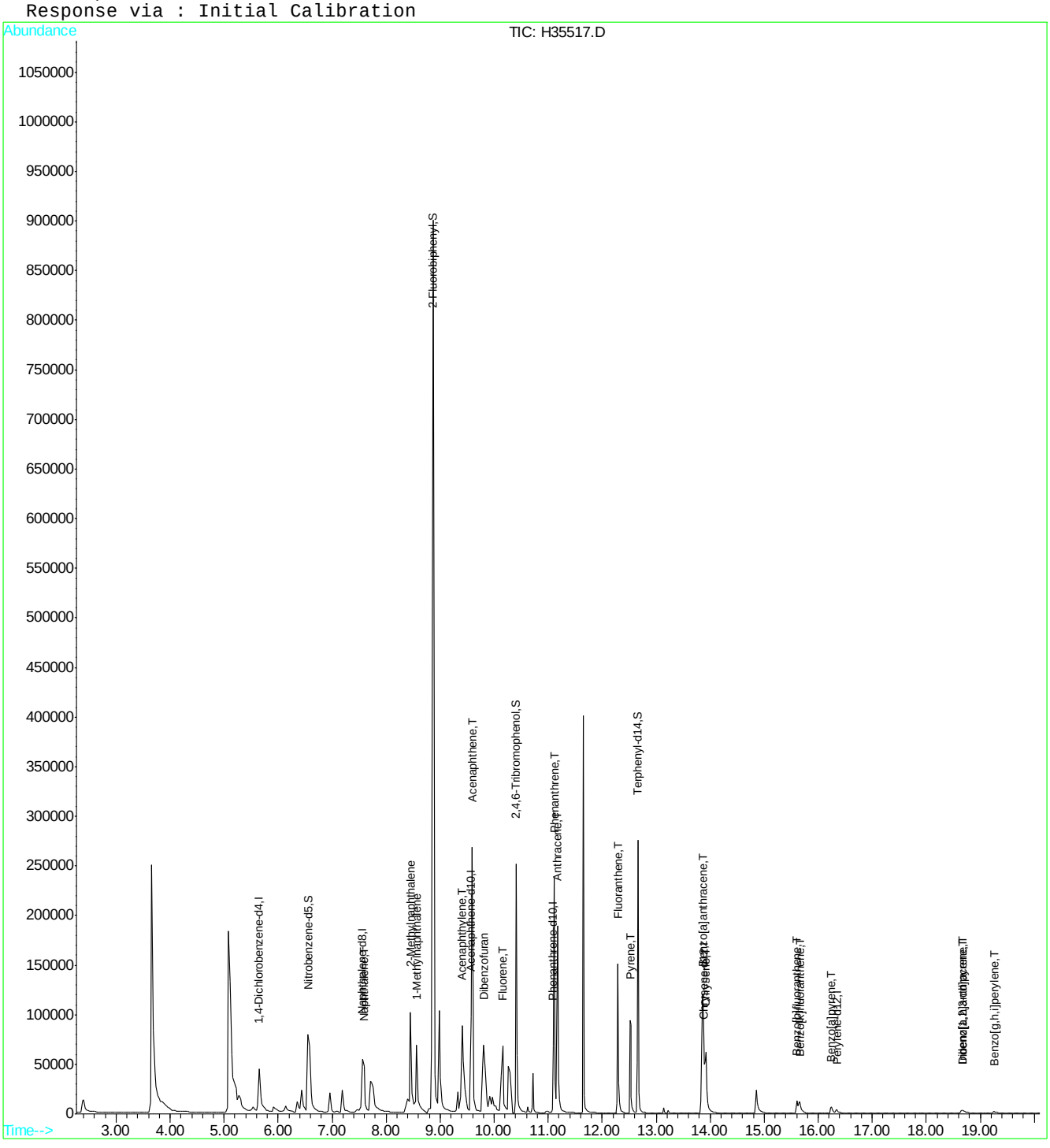
							Qvalue
6) Naphthalene	7.59	128	75148	4.76	ppb		96
7) 2-Methylnaphthalene	8.45	142	135625m	5.03	ppb		
8) 1-Methylnaphthalene	8.57	142	113677	4.76	ppb	#	94
11) Acenaphthylene	9.41	152	147243	4.68	ppb		95
12) Acenaphthene	9.60	153	178251	5.57	ppb		85
13) Dibenzofuran	9.81	168	111394	5.16	ppb		92
14) Fluorene	10.16	166	67068	4.58	ppb		96
18) Phenanthrene	11.11	178	221619	5.28	ppb		99
19) Anthracene	11.17	178	208251	4.79	ppb		97
20) Fluoranthene	12.29	202	186829	5.02	ppb		98
22) Pyrene	12.53	202	182971	4.88	ppb	#	80
24) Benzo[a]anthracene	13.87	228	84512	5.34	ppb		99
25) Chrysene	13.92	228	96836m	4.95	ppb		
27) Benzo[b]fluoranthene	15.60	252	21755	4.85	ppb		98
28) Benzo[k]fluoranthene	15.66	252	36201m	5.13	ppb		
29) Benzo[a]pyrene	16.25	252	20844	5.07	ppb		99
30) Indeno[1,2,3-cd]pyrene	18.67	276	8450	5.01	ppb		91
31) Dibenz[a,h]anthracene	18.67	278	5815	5.11	ppb		91
32) Benzo[g,h,i]perylene	19.26	276	6988	5.09	ppb		98

(#) = qualifier out of range (m) = manual integration
H35517.D H10229SP.M Thu Oct 22 13:31:35 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1918\H35517.D Vial: 6
Acq On : 21 Oct 2009 12:58 pm Operator: sheilac
Sample : ic1918-5 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:59 2009 Quant Results File: H10219SP.RES

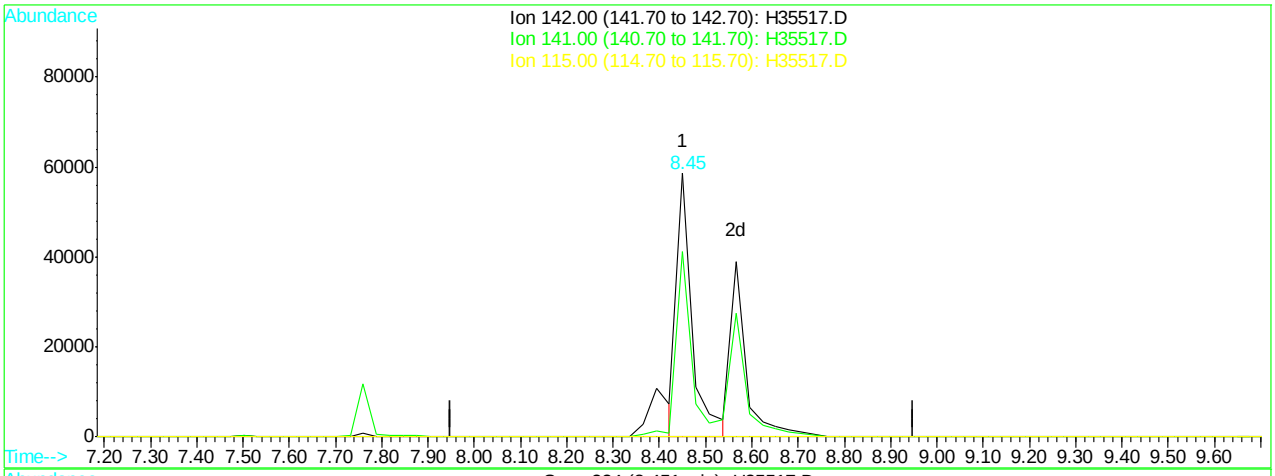
Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Initial Calibration

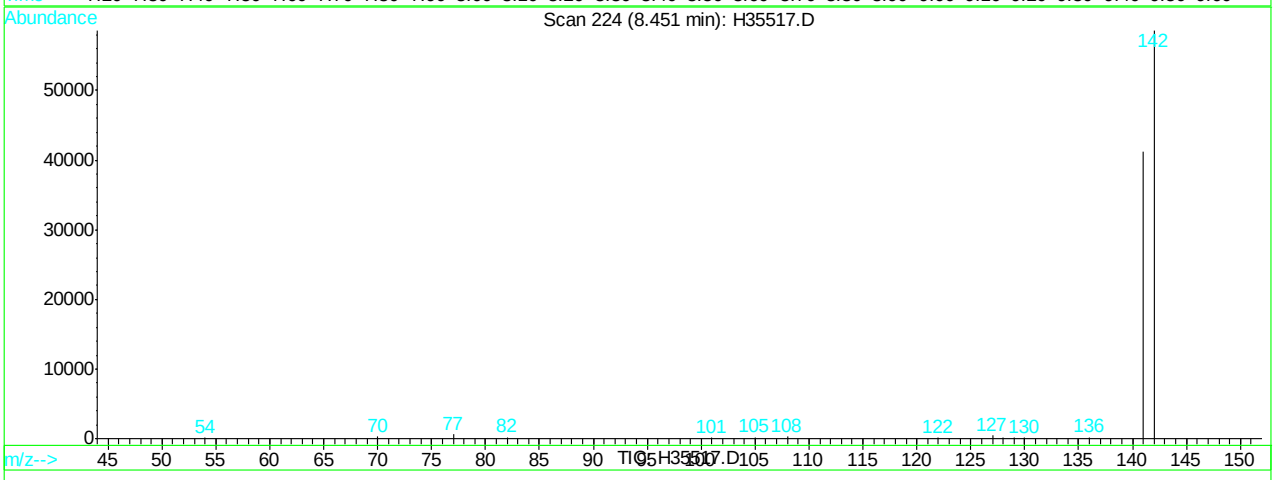


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35517.D Vial: 6
Acq On : 21 Oct 2009 12:58 pm Operator: sheilac
Sample : ic1918-5 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:59 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(7) 2-Methylnaphthalene

8.45min 5.03ppb m

response 135625

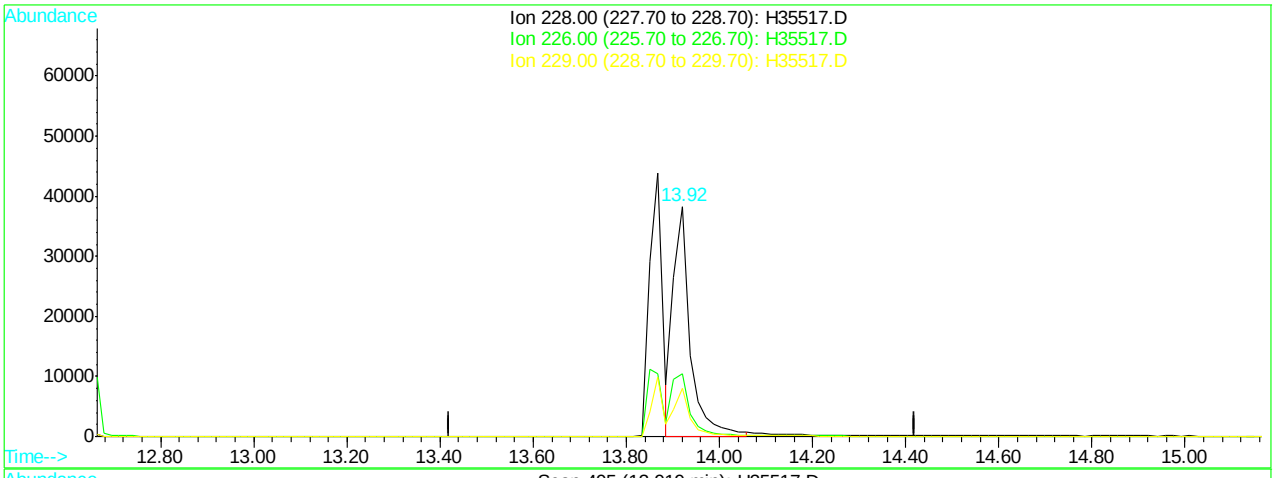
Ion	Exp%	Act%
142.00	100	100
141.00	72.40	68.23
115.00	0.00	0.00
0.00	0.00	0.00

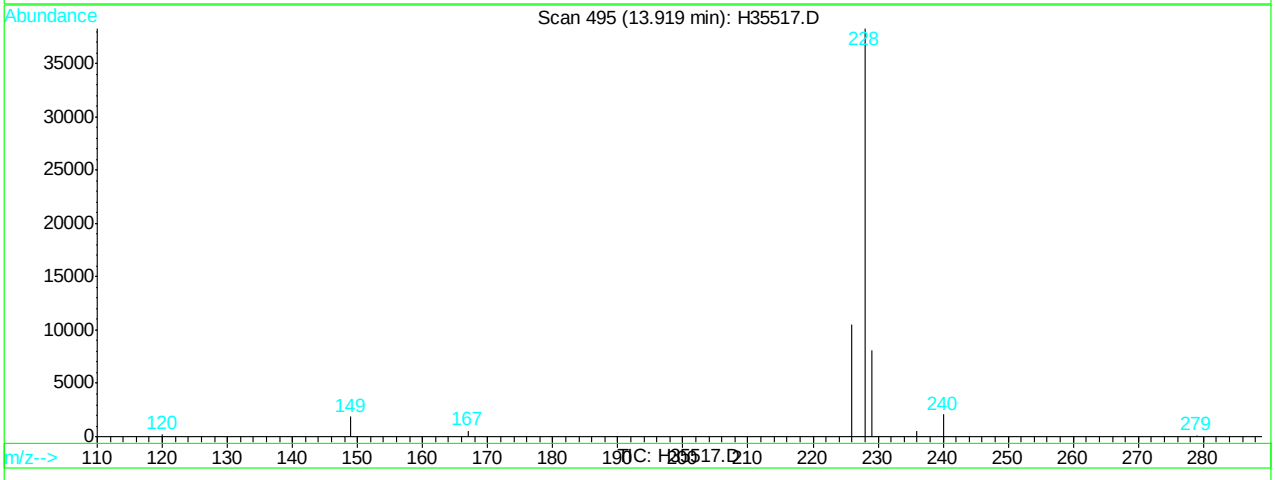
H35517.D H10229SP.M Thu Oct 22 13:38:28 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35517.D Vial: 6
Acq On : 21 Oct 2009 12:58 pm Operator: sheilac
Sample : ic1918-5 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:59 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(25) Chrysene (T)

13.92min 4.95ppb m

response 96836

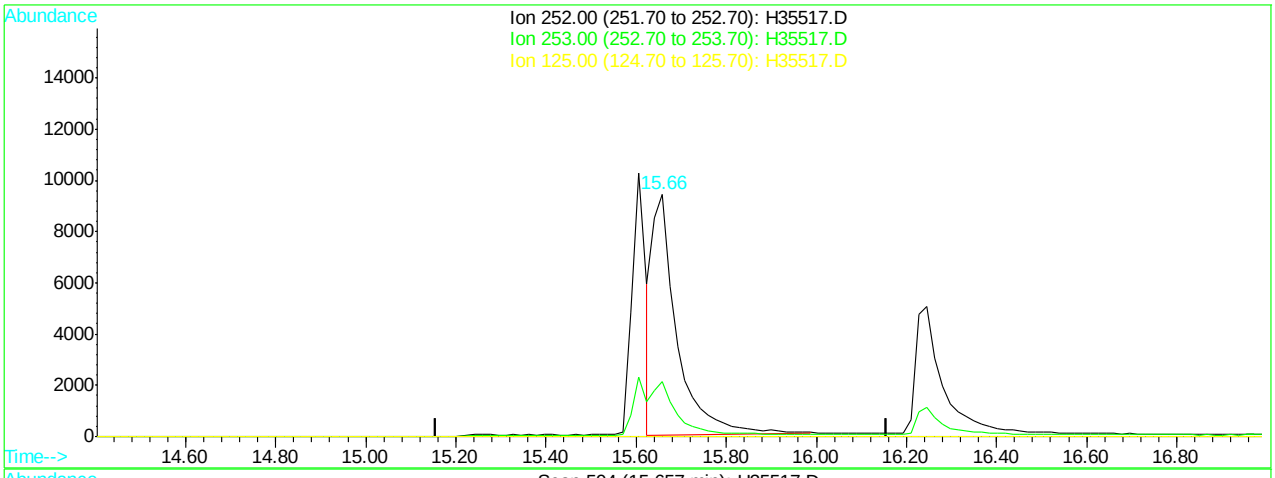
Ion	Exp%	Act%
228.00	100	100
226.00	28.00	27.54
229.00	20.90	21.06
0.00	0.00	0.00

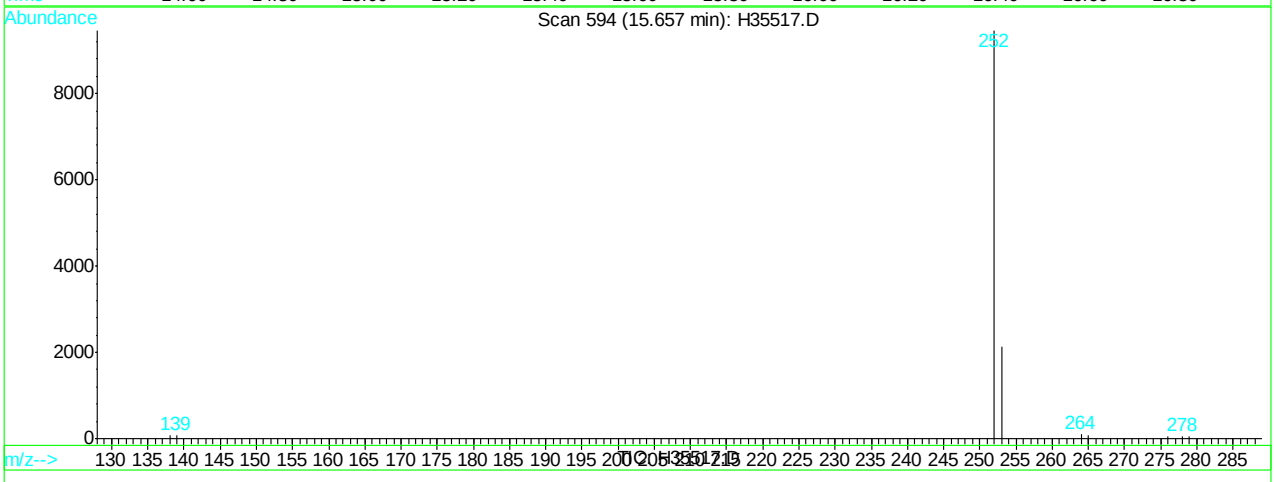
H35517.D H10229SP.M Thu Oct 22 13:38:33 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35517.D Vial: 6
Acq On : 21 Oct 2009 12:58 pm Operator: sheilac
Sample : ic1918-5 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:59 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.66min 5.13ppb m

response 36201

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	22.65
125.00	0.00	0.00
0.00	0.00	0.00

H35517.D H10229SP.M Thu Oct 22 13:38:37 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez 10/23/09 13:48

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1918\H35518.D Vial: 7
Acq On : 21 Oct 2009 1:29 pm Operator: sheilac
Sample : ic1918-10 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:50 2009 Quant Results File: H10219SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10219SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Wed Oct 21 13:13:22 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.65	152	78182	4.00	ppb	0.00
4) Naphthalene-d8	7.56	136	84220	4.00	ppb	0.00
9) Acenaphthene-d10	9.57	164	48510	4.00	ppb	0.00
15) Phenanthrene-d10	11.09	188	90103	4.00	ppb	0.00
21) Chrysene-d12	13.88	240	53189	4.00	ppb	0.02
26) Perylene-d12	16.35	264	9406	4.00	ppb	0.04

System Monitoring Compounds

5) Nitrobenzene-d5	6.55	82	153715	22.50	ppb	0.00
Spiked Amount 5.000	Range 17 - 131		Recovery = 450.00%#			
10) 2-Fluorobiphenyl	8.87	172	1799205	61.44	ppb	0.00
Spiked Amount 5.000	Range 15 - 137		Recovery = 1228.80%#			
16) 2,4,6-Tribromophenol	10.40	330	318909	68.27	ppb	0.00
Spiked Amount 10.000	Range 10 - 123		Recovery = 682.70%#			
23) Terphenyl-d14	12.66	244	432444	64.72	ppb	0.00
Spiked Amount 5.000	Range 10 - 160		Recovery = 1294.40%#			

Target Compounds

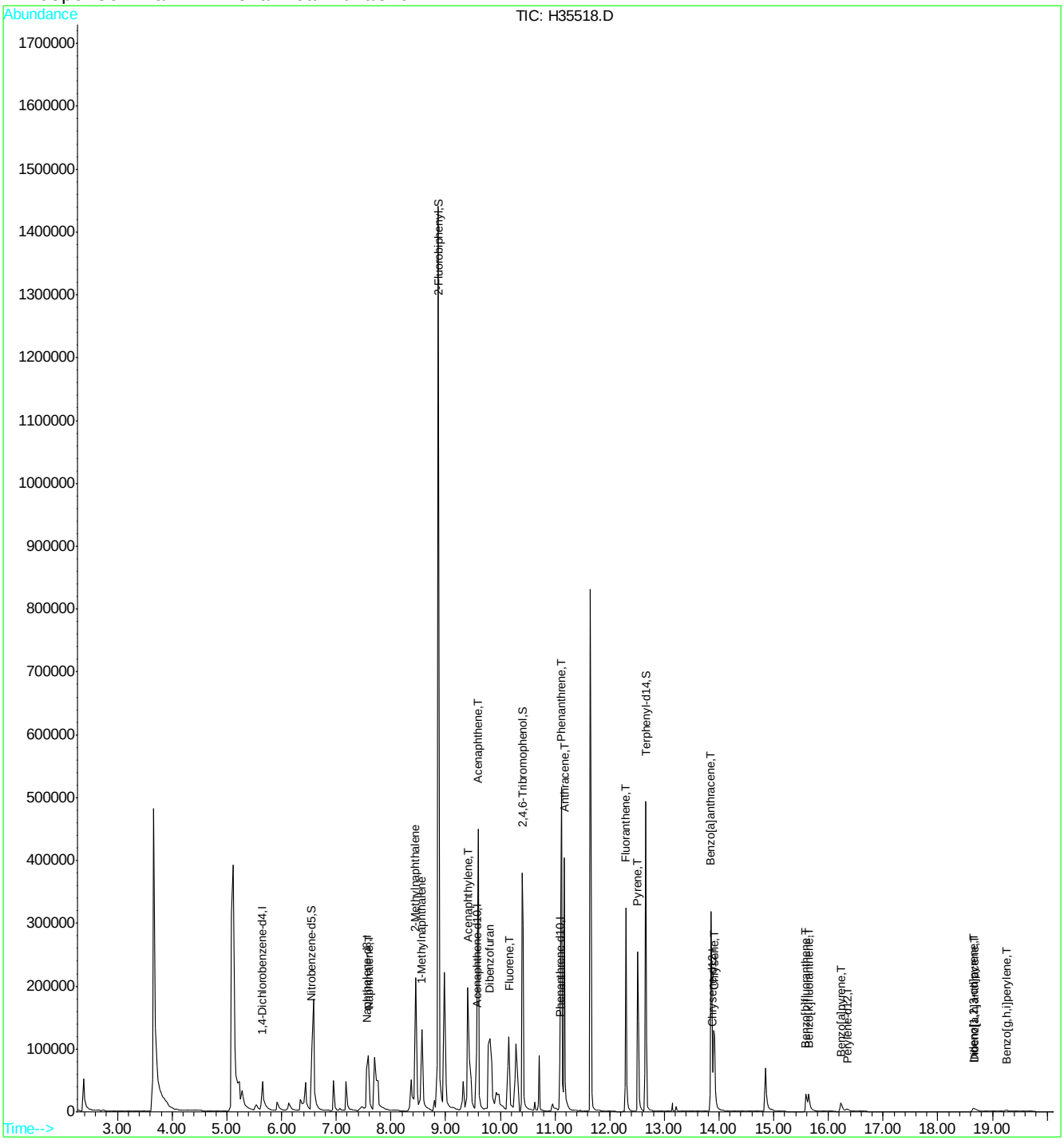
							Qvalue
6) Naphthalene	7.59	128	138853	4.05	ppb		95
7) 2-Methylnaphthalene	8.45	142	252724m	8.72	ppb		
8) 1-Methylnaphthalene	8.57	142	202207	4.80	ppb	#	95
11) Acenaphthylene	9.41	152	300947	7.93	ppb		88
12) Acenaphthene	9.60	153	295655	10.22	ppb	#	64
13) Dibenzofuran	9.81	168	186676	7.63	ppb	#	41
14) Fluorene	10.16	166	118966	6.54	ppb	#	40
18) Phenanthrene	11.11	178	469805	9.67	ppb		93
19) Anthracene	11.17	178	407079	7.94	ppb		99
20) Fluoranthene	12.29	202	377868	7.76	ppb		99
22) Pyrene	12.51	202	377010	12.51	ppb	#	94
24) Benzo[a]anthracene	13.85	228	198853	10.23	ppb		87
25) Chrysene	13.92	228	207372	10.72	ppb		93
27) Benzo[b]fluoranthene	15.59	252	56431	15.38	ppb		97
28) Benzo[k]fluoranthene	15.64	252	60937m	12.05	ppb		
29) Benzo[a]pyrene	16.23	252	40464	13.33	ppb		99
30) Indeno[1,2,3-cd]pyrene	18.65	276	14816	14.37	ppb		94
31) Dibenz[a,h]anthracene	18.67	278	10339	16.13	ppb		95
32) Benzo[g,h,i]perylene	19.26	276	11094	14.89	ppb		98

(#) = qualifier out of range (m) = manual integration
H35518.D H10229SP.M Thu Oct 22 13:38:43 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1918\H35518.D Vial: 7
Acq On : 21 Oct 2009 1:29 pm Operator: sheilac
Sample : ic1918-10 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:50 2009 Quant Results File: H10219SP.RES

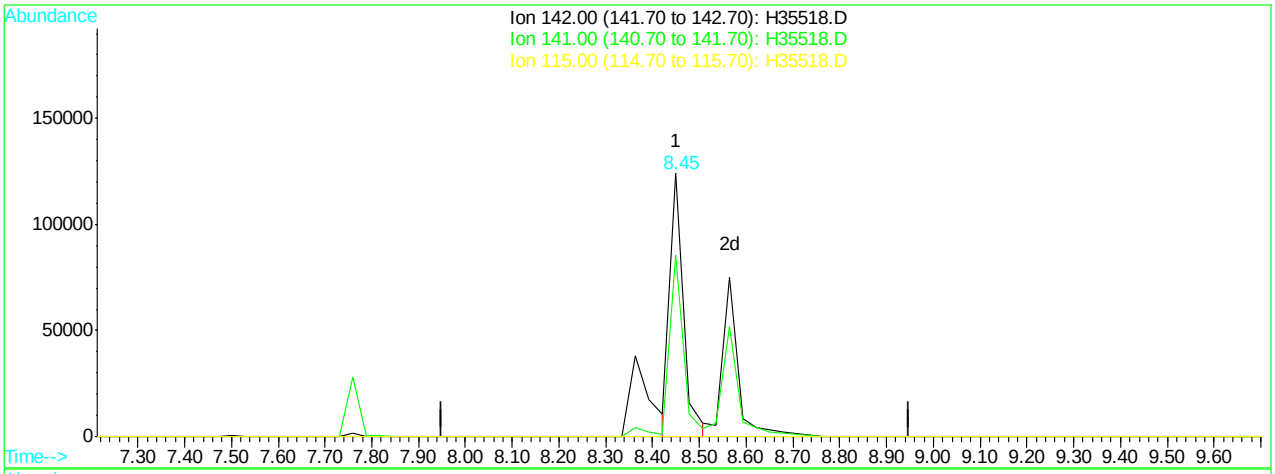
Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Initial Calibration

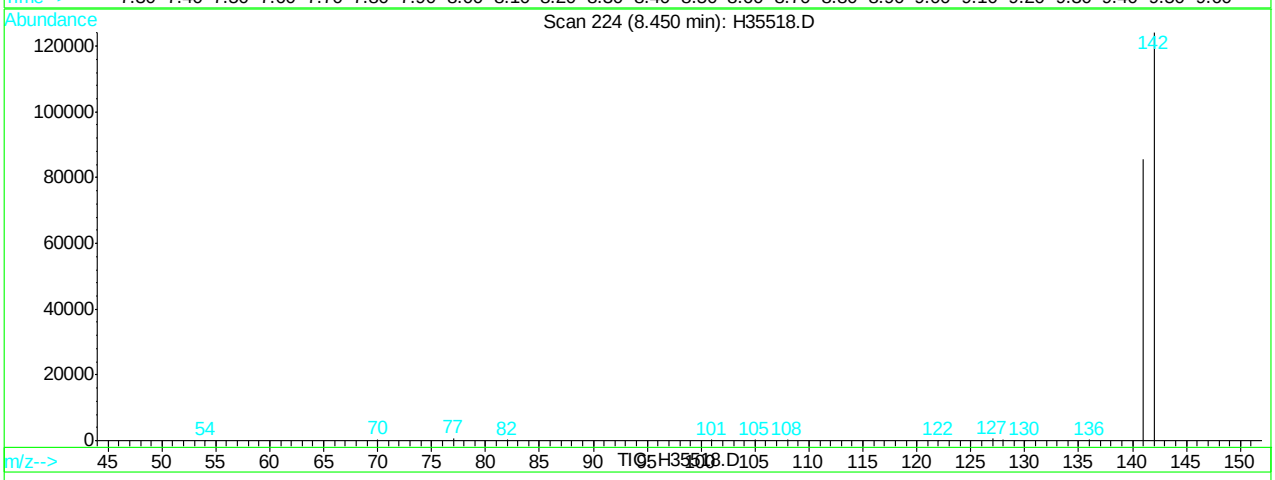


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35518.D Vial: 7
Acq On : 21 Oct 2009 1:29 pm Operator: sheilac
Sample : ic1918-10 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:50 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(7) 2-Methylnaphthalene

8.45min 8.72ppb m

response 252724

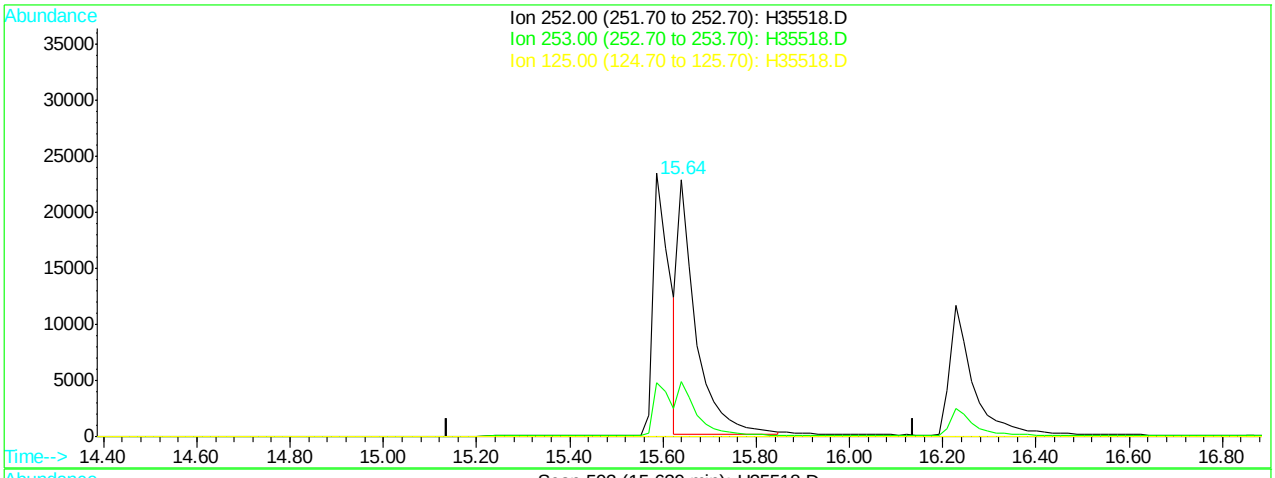
Ion	Exp%	Act%
142.00	100	100
141.00	71.00	72.90
115.00	0.00	0.00
0.00	0.00	0.00

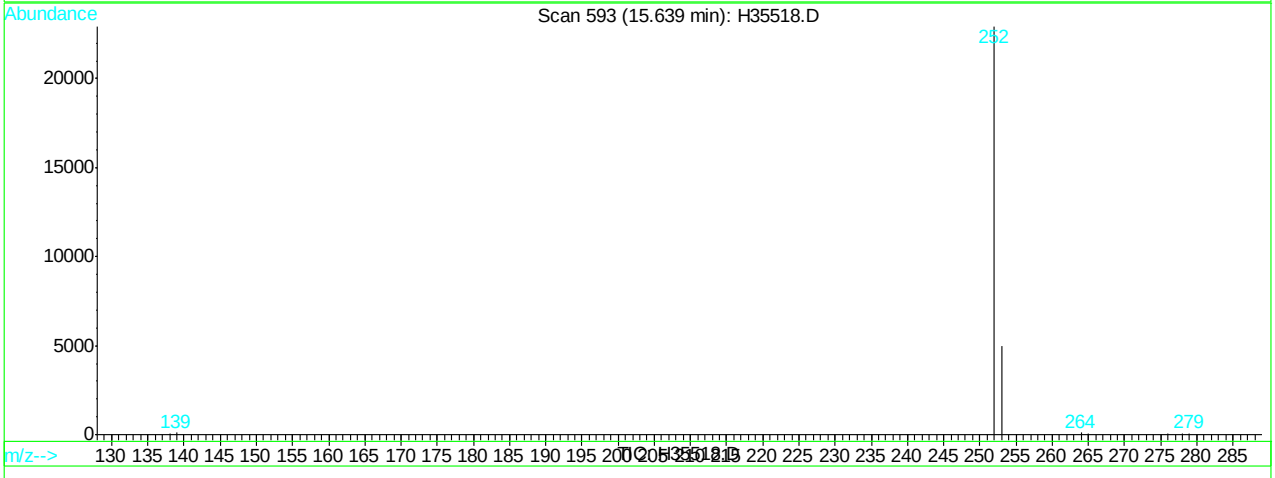
H35518.D H10229SP.M Thu Oct 22 13:38:59 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35518.D Vial: 7
Acq On : 21 Oct 2009 1:29 pm Operator: sheilac
Sample : ic1918-10 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:50 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.64min 12.05ppb m

response 60937

Ion	Exp%	Act%
252.00	100	100
253.00	22.80	21.59
125.00	0.00	0.00
0.00	0.00	0.00

H35518.D H10229SP.M Thu Oct 22 13:39:03 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/23/09 13:48

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1918\H35519.D Vial: 8
Acq On : 21 Oct 2009 1:57 pm Operator: sheilac
Sample : icv1918-2.5 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 14:43 2009 Quant Results File: H10219SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10219SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Wed Oct 21 14:43:08 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.65	152	113916	4.00	ppb	0.00
4) Naphthalene-d8	7.56	136	130932	4.00	ppb	0.00
9) Acenaphthene-d10	9.57	164	63895	4.00	ppb	0.00
15) Phenanthrene-d10	11.09	188	99758	4.00	ppb	0.00
21) Chrysene-d12	13.89	240	54593	4.00	ppb	0.00
26) Perylene-d12	16.35	264	11936	4.00	ppb	0.00

System Monitoring Compounds

5) Nitrobenzene-d5	0.00	82	0d	0.00	ppb	
Spiked Amount 5.000	Range 17 - 131		Recovery	=	0.00%#	
10) 2-Fluorobiphenyl	0.00	172	0d	0.00	ppb	
Spiked Amount 5.000	Range 15 - 137		Recovery	=	0.00%#	
16) 2,4,6-Tribromophenol	0.00	330	0d	0.00	ppb	
Spiked Amount 10.000	Range 10 - 123		Recovery	=	0.00%#	
23) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 5.000	Range 10 - 160		Recovery	=	0.00%#	

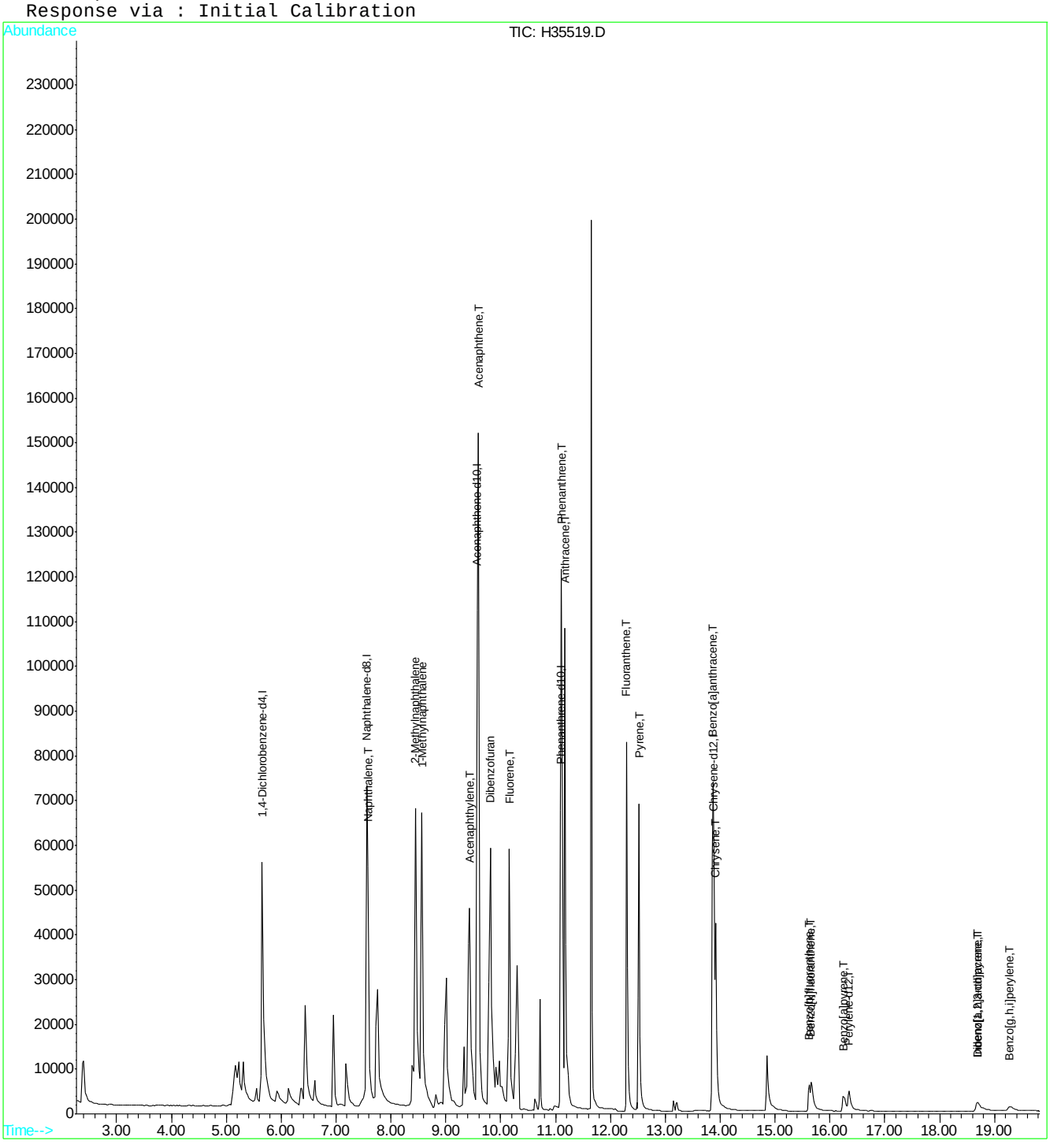
Target Compounds							Qvalue
6) Naphthalene	7.59	128	73488	2.49	ppb		97
7) 2-Methylnaphthalene	8.45	142	114102	2.40	ppb	#	87
8) 1-Methylnaphthalene	8.56	142	109437	2.43	ppb	#	98
11) Acenaphthylene	9.43	152	85416	2.38	ppb	#	79
12) Acenaphthene	9.60	153	100158	2.74	ppb		81
13) Dibenzofuran	9.81	168	89641	2.99	ppb		95
14) Fluorene	10.16	166	51473	3.08	ppb		98
18) Phenanthrene	11.11	178	118291	2.47	ppb		92
19) Anthracene	11.17	178	139346	2.80	ppb		94
20) Fluoranthene	12.29	202	117108	2.75	ppb		98
22) Pyrene	12.53	202	111359	2.53	ppb	#	79
24) Benzo[a]anthracene	13.87	228	46953m	2.65	ppb		
25) Chrysene	13.92	228	58199m	2.67	ppb		
27) Benzo[b]fluoranthene	15.62	252	12842	2.76	ppb		98
28) Benzo[k]fluoranthene	15.66	252	21335m	2.42	ppb		
29) Benzo[a]pyrene	16.24	252	11657	2.46	ppb		99
30) Indeno[1,2,3-cd]pyrene	18.68	276	5117	2.61	ppb		99
31) Dibenz[a,h]anthracene	18.68	278	3348	2.57	ppb		95
32) Benzo[g,h,i]perylene	19.27	276	4458	2.61	ppb		96

(#) = qualifier out of range (m) = manual integration
H35519.D H10229SP.M Thu Oct 22 13:39:09 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1918\H35519.D Vial: 8
Acq On : 21 Oct 2009 1:57 pm Operator: sheilac
Sample : icv1918-2.5 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 14:43 2009 Quant Results File: H10219SP.RES

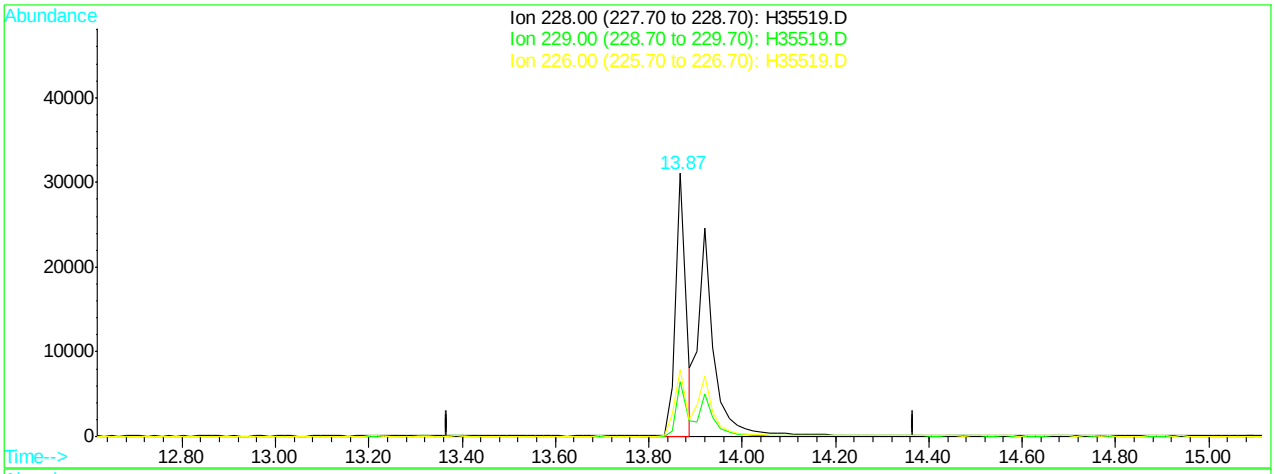
Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Initial Calibration

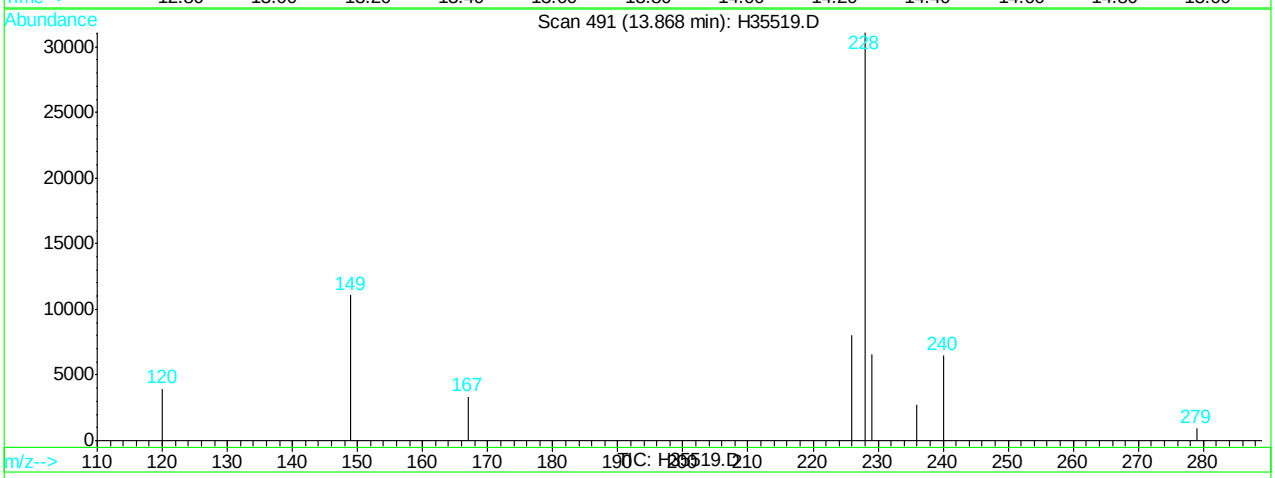


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35519.D Vial: 8
Acq On : 21 Oct 2009 1:57 pm Operator: sheilac
Sample : icv1918-2.5 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 14:43 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(24) Benzo[a]anthracene (T)

13.87min 2.65ppb m

response 46953

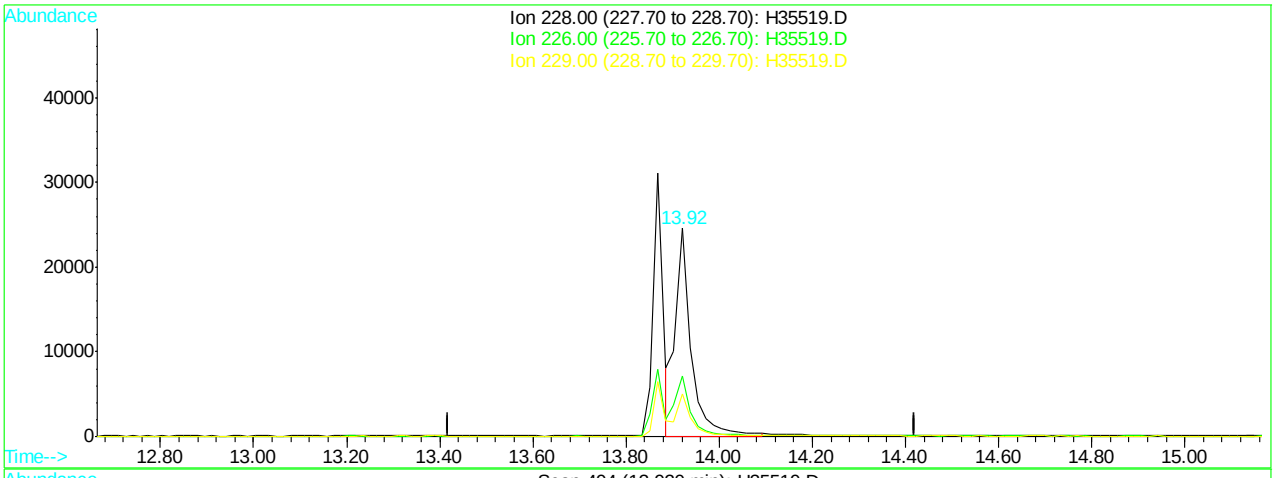
Ion	Exp%	Act%
228.00	100	100
229.00	21.80	21.09
226.00	23.70	25.70
0.00	0.00	0.00

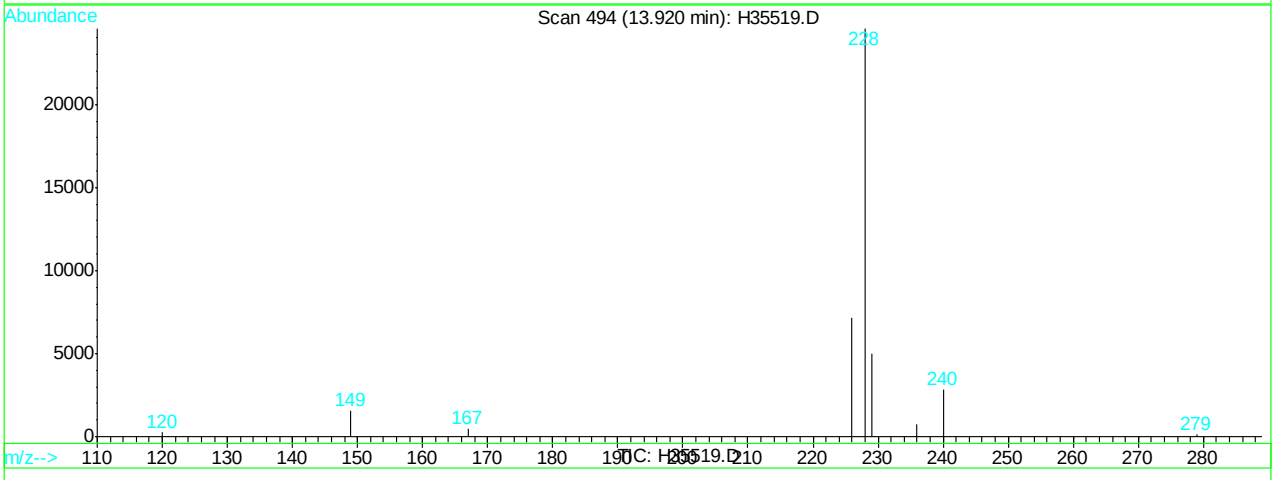
H35519.D H10229SP.M Thu Oct 22 13:39:31 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35519.D Vial: 8
Acq On : 21 Oct 2009 1:57 pm Operator: sheilac
Sample : icv1918-2.5 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 14:43 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(25) Chrysene (T)

13.92min 2.67ppb m

response 58199

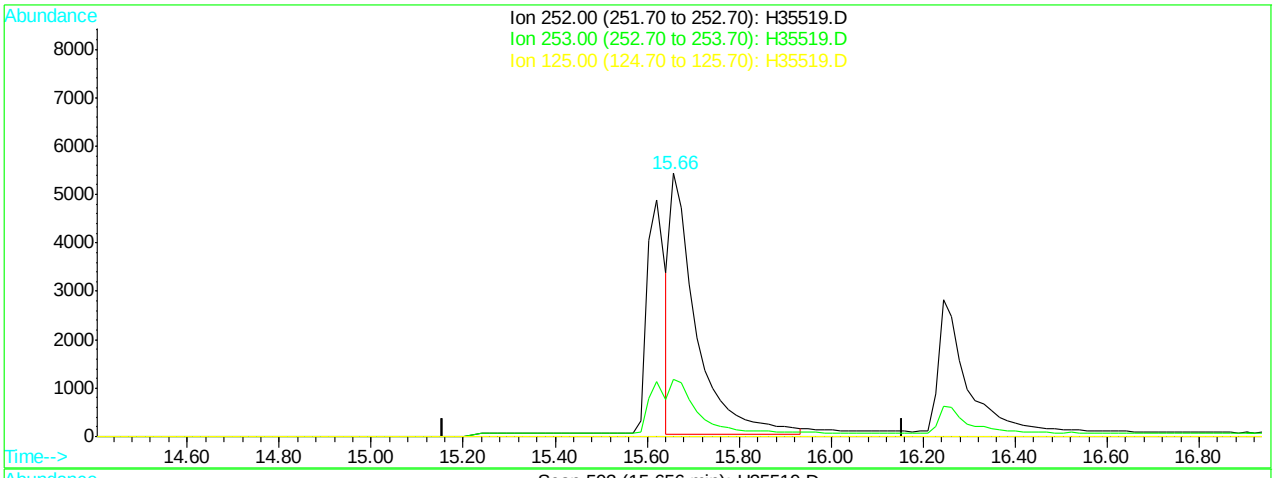
Ion	Exp%	Act%
228.00	100	100
226.00	28.00	28.99
229.00	20.90	20.32
0.00	0.00	0.00

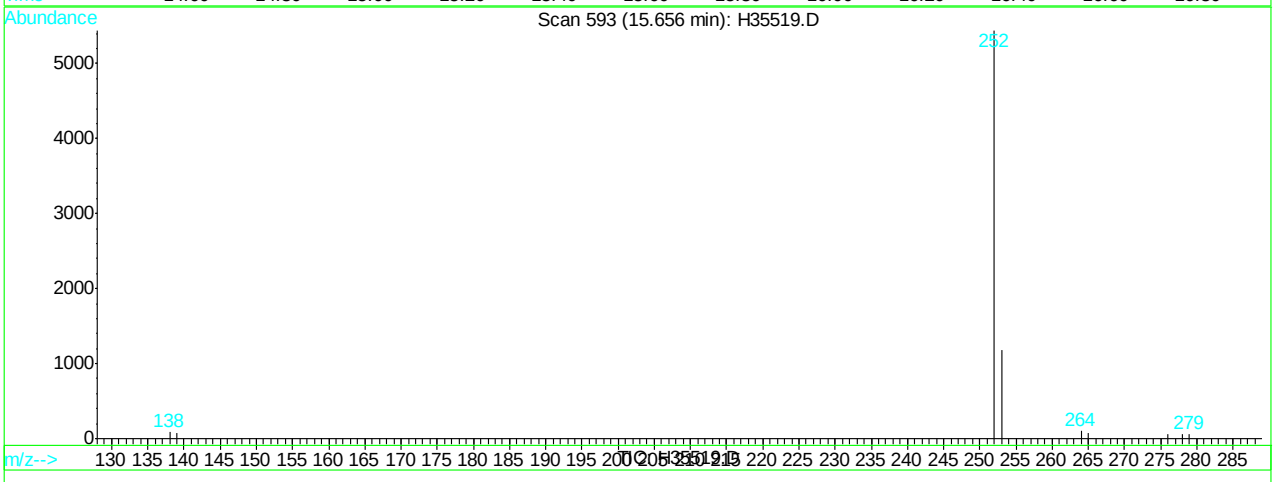
H35519.D H10229SP.M Thu Oct 22 13:39:34 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35519.D Vial: 8
Acq On : 21 Oct 2009 1:57 pm Operator: sheilac
Sample : icv1918-2.5 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 14:43 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.66min 2.42ppb m

response 21335

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	21.59
125.00	0.00	0.00
0.00	0.00	0.00

H35519.D H10229SP.M Thu Oct 22 13:39:36 2009

Manual Integrations
APPROVED
(compounds with "m" flag)
Richard Rodriguez
10/27/09 17:03

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1919\H35545.D Vial: 3
Acq On : 22 Oct 2009 12:02 pm Operator: sheilac
Sample : ic1919-1 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 14:29 2009 Quant Results File: H10229SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.66	152	76787	4.00	ppb	0.00
4) Naphthalene-d8	7.57	136	47180	4.00	ppb	0.02
9) Acenaphthene-d10	9.57	164	38115	4.00	ppb	0.00
15) Phenanthrene-d10	11.09	188	63280	4.00	ppb	0.00
21) Chrysene-d12	13.90	240	10939	4.00	ppb	0.02
26) Perylene-d12	16.37	264	4528	4.00	ppb	0.02

System Monitoring Compounds

5) Nitrobenzene-d5	6.60	82	16681	8.24	ppb	0.05
Spiked Amount 5.000	Range 17 - 131		Recovery = 164.80%#			
10) 2-Fluorobiphenyl	8.87	172	145284	5.66	ppb	0.00
Spiked Amount 5.000	Range 15 - 137		Recovery = 113.20%			
16) 2,4,6-Tribromophenol	10.42	330	22515	10.92	ppb	0.02
Spiked Amount 10.000	Range 10 - 123		Recovery = 109.20%			
23) Terphenyl-d14	12.68	244	12222	5.89	ppb	0.02
Spiked Amount 5.000	Range 10 - 160		Recovery = 117.80%			

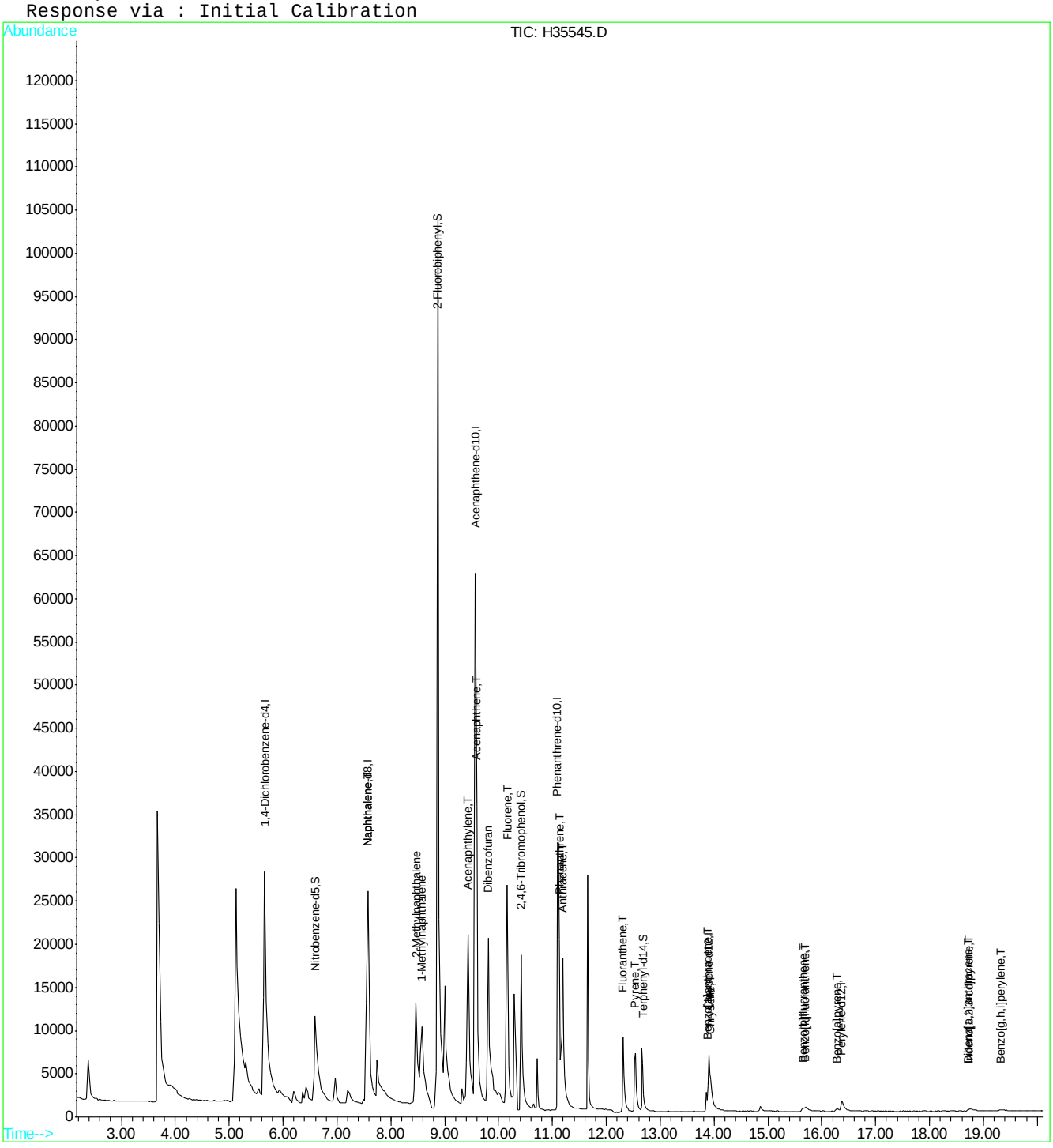
Target Compounds							Qvalue
6) Naphthalene	7.57	128	23265	1.97	ppb	#	83
7) 2-Methylnaphthalene	8.47	142	21304	1.81	ppb	#	88
8) 1-Methylnaphthalene	8.58	142	26240	1.69	ppb	#	93
11) Acenaphthylene	9.43	152	30128	1.41	ppb	#	79
12) Acenaphthene	9.60	153	22356	1.03	ppb	#	72
13) Dibenzofuran	9.81	168	36992	2.07	ppb	#	62
14) Fluorene	10.16	166	23450	2.35	ppb		90
18) Phenanthrene	11.13	178	27877	0.92	ppb		92
19) Anthracene	11.19	178	33279	1.06	ppb		99
20) Fluoranthene	12.31	202	16252	0.60	ppb		99
22) Pyrene	12.54	202	17911	1.82	ppb	#	83
24) Benzo[a]anthracene	13.88	228	2864m	0.81	ppb		
25) Chrysene	13.94	228	4652m	1.06	ppb		
27) Benzo[b]fluoranthene	15.66	252	990m	0.63	ppb		
28) Benzo[k]fluoranthene	15.69	252	2308m	0.88	ppb		
29) Benzo[a]pyrene	16.28	252	1531	1.04	ppb		98
30) Indeno[1,2,3-cd]pyrene	18.74	276	1025	1.51	ppb		85
31) Dibenz[a,h]anthracene	18.72	278	741	1.71	ppb	#	80
32) Benzo[g,h,i]perylene	19.32	276	979	1.65	ppb		90

(#) = qualifier out of range (m) = manual integration
H35545.D H10269SP.M Tue Oct 27 14:20:00 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1919\H35545.D Vial: 3
Acq On : 22 Oct 2009 12:02 pm Operator: sheilac
Sample : ic1919-1 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 14:29 2009 Quant Results File: H10229SP.RES

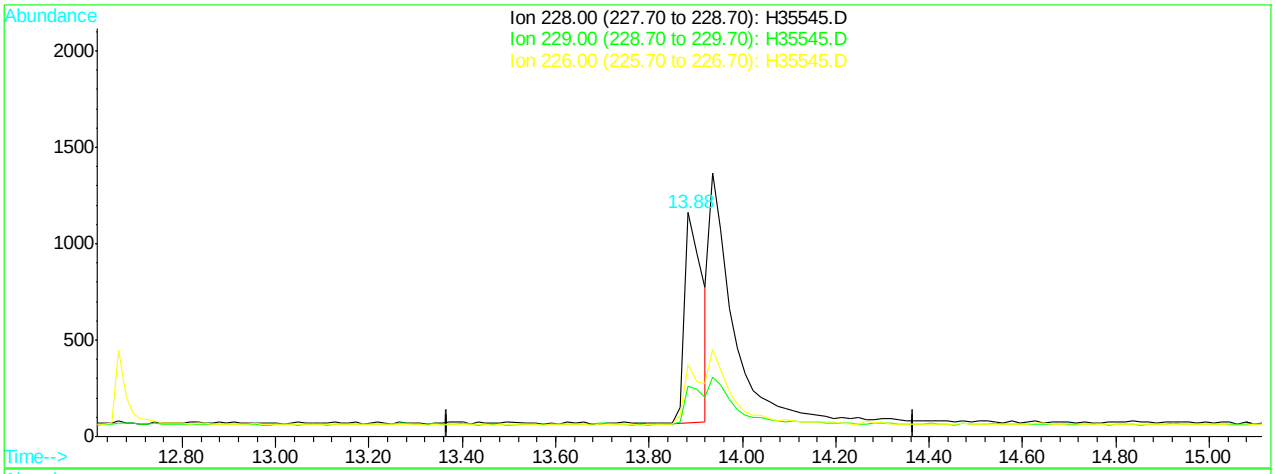
Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Initial Calibration

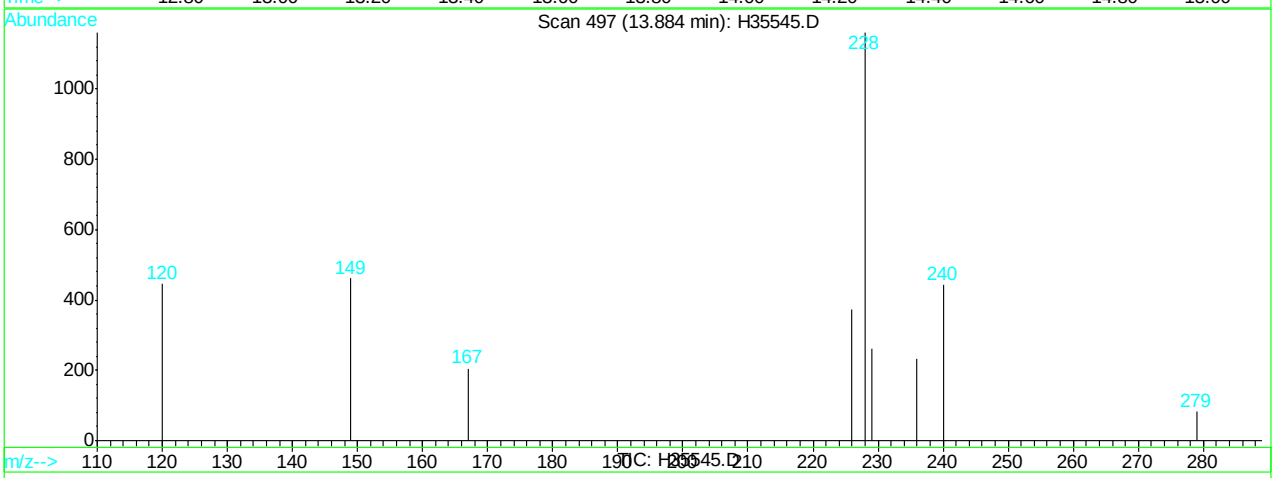


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35545.D Vial: 3
Acq On : 22 Oct 2009 12:02 pm Operator: sheilac
Sample : ic1919-1 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 14:29 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(24) Benzo[a]anthracene (T)

13.88min 0.81ppb m

response 2864

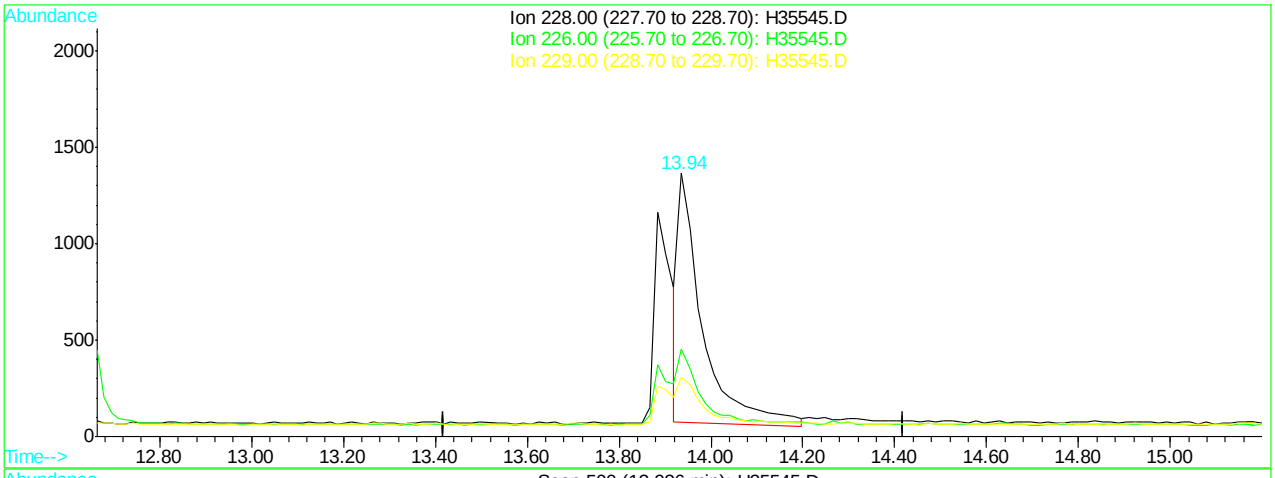
Ion	Exp%	Act%
228.00	100	100
229.00	21.80	22.41
226.00	23.70	32.07#
0.00	0.00	0.00

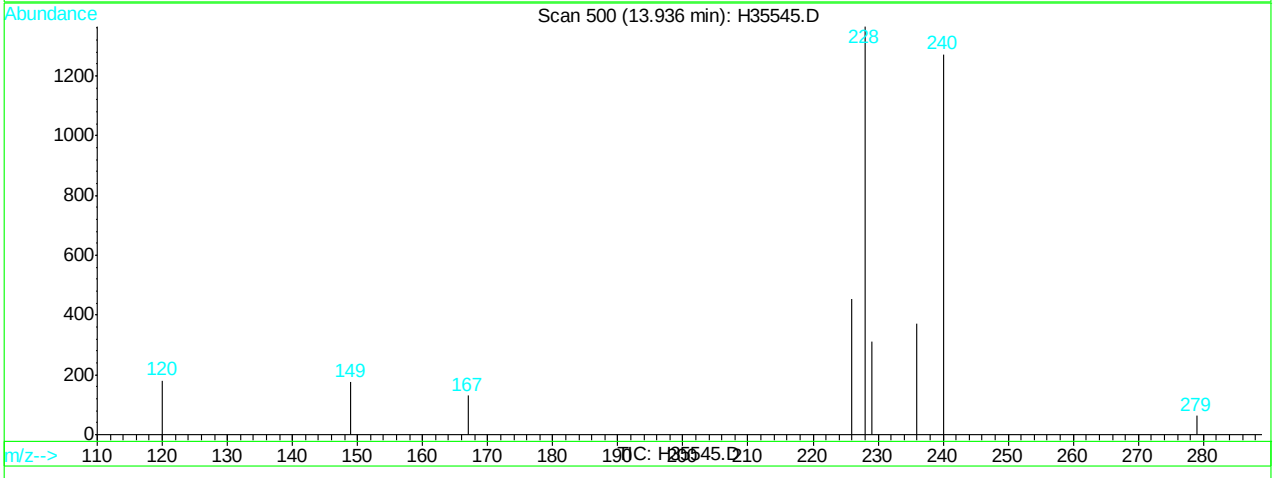
H35545.D H10269SP.M Tue Oct 27 14:20:33 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35545.D Vial: 3
Acq On : 22 Oct 2009 12:02 pm Operator: sheilac
Sample : ic1919-1 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 14:29 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(25) Chrysene (T)

13.94min 1.06ppb m

response 4652

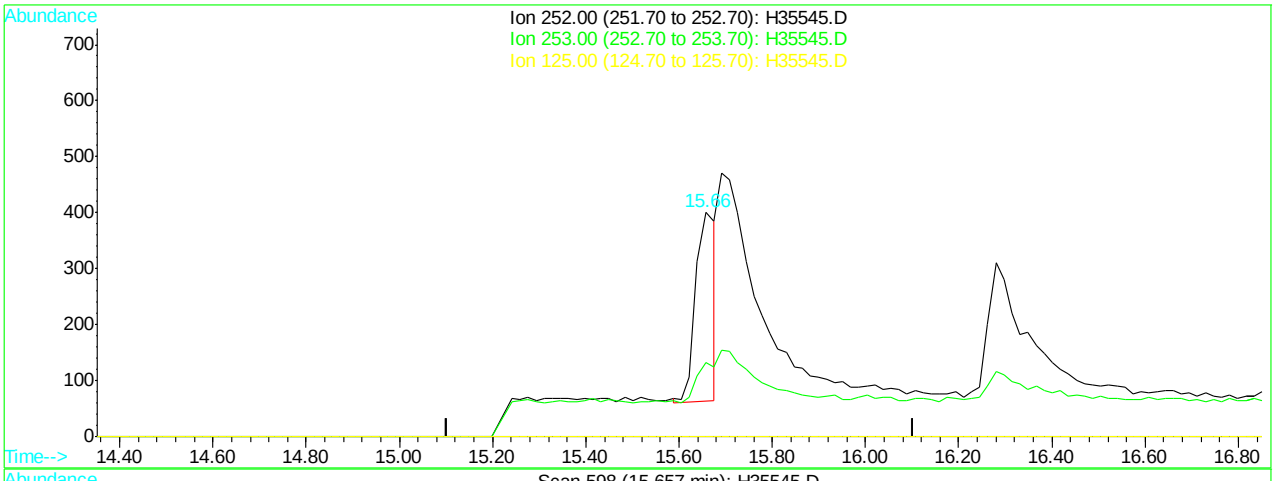
Ion	Exp%	Act%
228.00	100	100
226.00	28.00	33.11
229.00	20.90	22.78
0.00	0.00	0.00

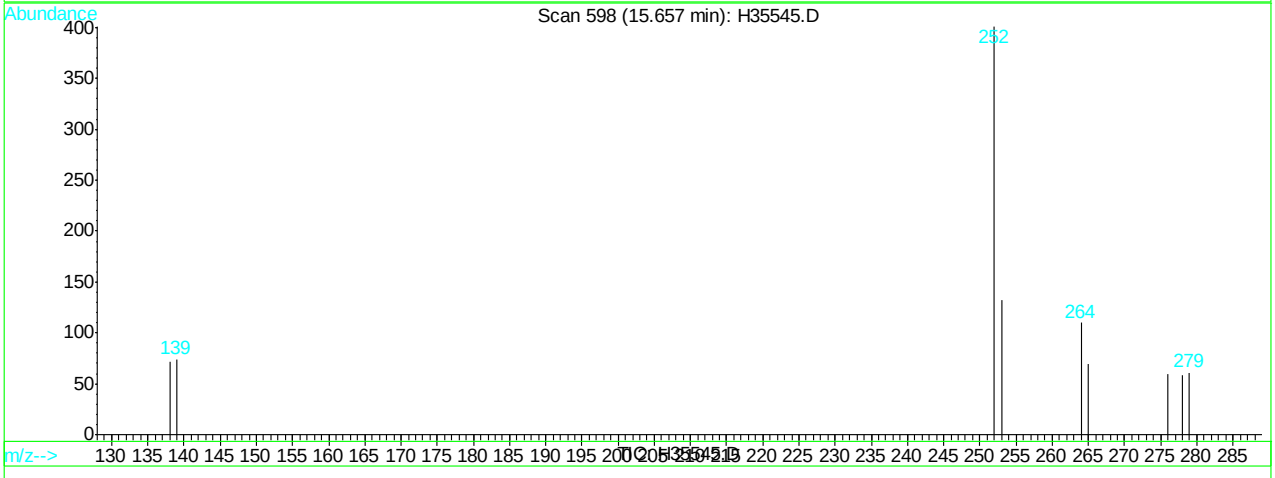
H35545.D H10269SP.M Tue Oct 27 14:20:36 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35545.D Vial: 3
Acq On : 22 Oct 2009 12:02 pm Operator: sheilac
Sample : ic1919-1 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 14:29 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(27) Benzo[b]fluoranthene (T)

15.66min 0.63ppb m

response 990

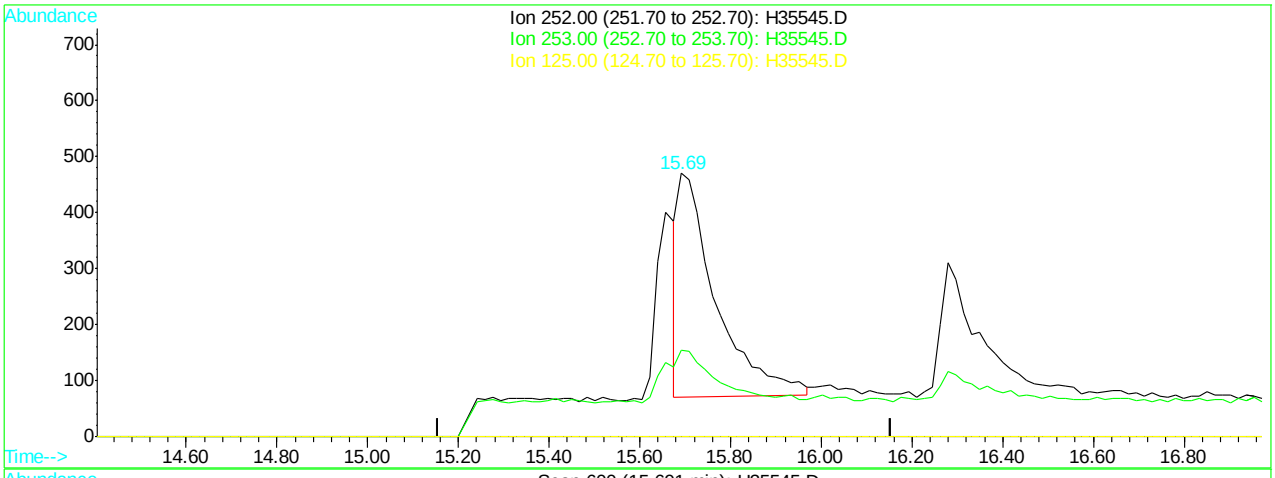
Ion	Exp%	Act%
252.00	100	100
253.00	21.60	32.92#
125.00	0.00	0.00
0.00	0.00	0.00

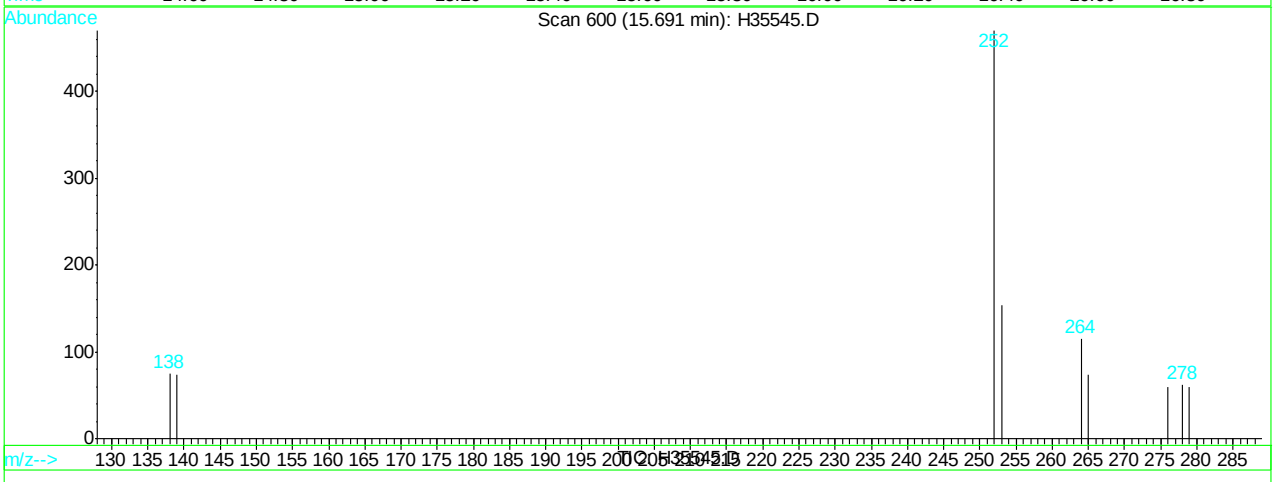
H35545.D H10269SP.M Tue Oct 27 14:20:40 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35545.D Vial: 3
Acq On : 22 Oct 2009 12:02 pm Operator: sheilac
Sample : ic1919-1 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 14:29 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.69min 0.88ppb m

response 2308

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	32.77#
125.00	0.00	0.00
0.00	0.00	0.00

H35545.D H10269SP.M Tue Oct 27 14:20:43 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/27/09 17:03

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1919\H35546.D Vial: 4
Acq On : 22 Oct 2009 12:27 pm Operator: sheilac
Sample : ic1919-0.1 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 14:34 2009 Quant Results File: H10229SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 14:32:20 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.66	152	70003	4.00	ppb	0.00
4) Naphthalene-d8	7.57	136	48295	4.00	ppb	0.00
9) Acenaphthene-d10	9.57	164	33786	4.00	ppb	0.00
15) Phenanthrene-d10	11.11	188	46589	4.00	ppb	0.02
21) Chrysene-d12	13.92	240	7354	4.00	ppb	0.02
26) Perylene-d12	16.38	264	4017	4.00	ppb	0.02

System Monitoring Compounds						
5) Nitrobenzene-d5	6.42	82	304	0.11	ppb	-0.14
Spiked Amount 5.000	Range 17 - 131		Recovery	=	2.20%#	
10) 2-Fluorobiphenyl	8.90	172	15108	0.58	ppb	0.03
Spiked Amount 5.000	Range 15 - 137		Recovery	=	11.60%#	
16) 2,4,6-Tribromophenol	10.47	330	637m	0.41	ppb	0.07
Spiked Amount 10.000	Range 10 - 123		Recovery	=	4.10%#	
23) Terphenyl-d14	12.69	244	660	0.42	ppb	0.03
Spiked Amount 5.000	Range 10 - 160		Recovery	=	8.40%#	

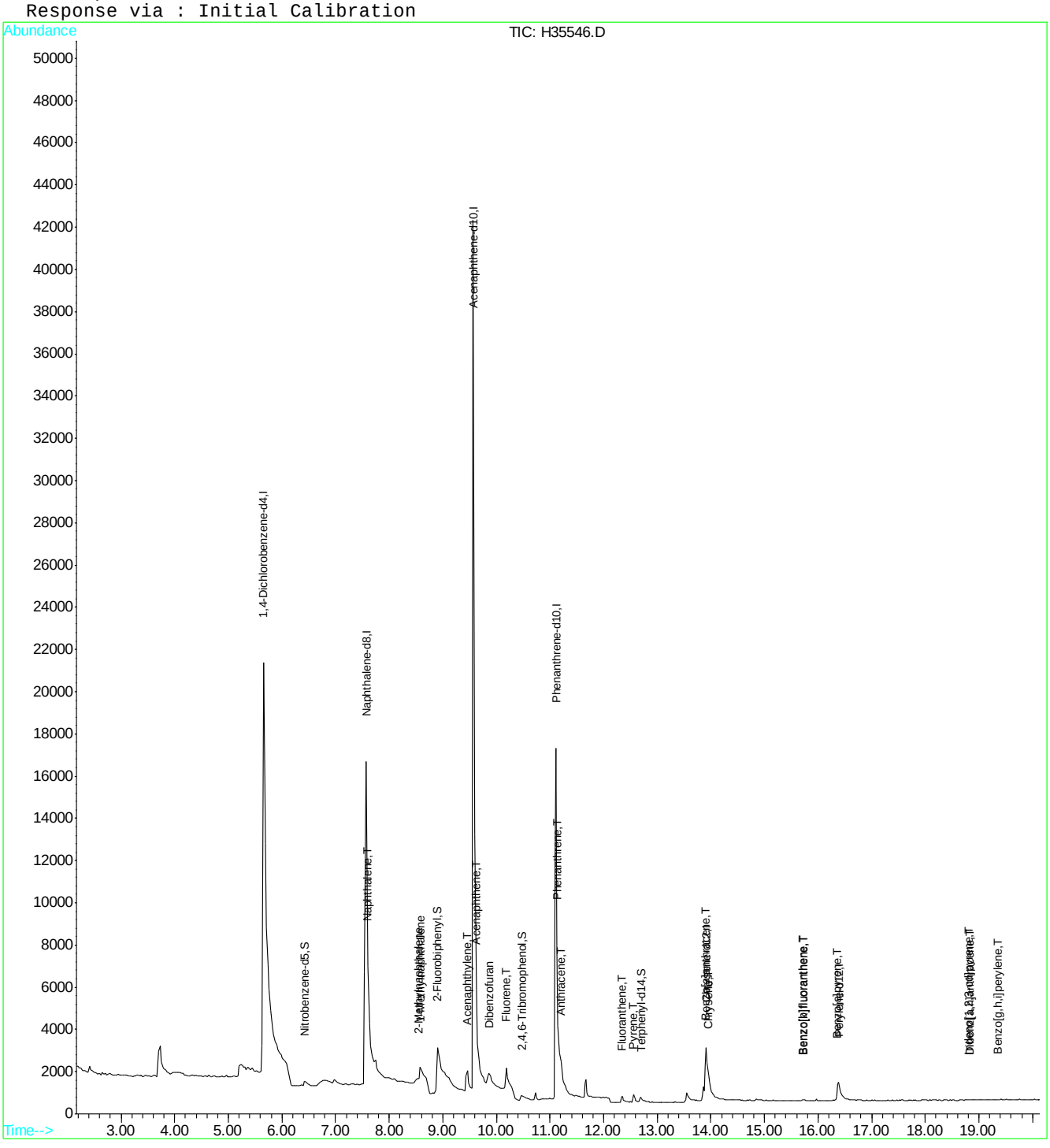
Target Compounds							Qvalue
6) Naphthalene	7.60	128	2070	0.13	ppb	#	81
7) 2-Methylnaphthalene	8.55	142	608m	0.04	ppb		
8) 1-Methylnaphthalene	8.58	142	1745m	0.10	ppb		
11) Acenaphthylene	9.46	152	2678	0.12	ppb		97
12) Acenaphthene	9.62	153	2119	0.11	ppb	#	55
13) Dibenzofuran	9.86	168	2755	0.12	ppb		97
14) Fluorene	10.19	166	1234	0.09	ppb		87
18) Phenanthrene	11.13	178	2381	0.11	ppb	#	83
19) Anthracene	11.21	178	2774	0.12	ppb	#	89
20) Fluoranthene	12.34	202	1011	0.06	ppb		96
22) Pyrene	12.56	202	1578	0.17	ppb		95
24) Benzo[a]anthracene	13.90	228	159m	0.07	ppb		
25) Chrysene	13.95	228	401m	0.13	ppb		
27) Benzo[b]fluoranthene	15.71	252	66m	0.05	ppb		
28) Benzo[k]fluoranthene	15.73	252	124m	0.06	ppb		
29) Benzo[a]pyrene	16.37	252	94	0.07	ppb		93
30) Indeno[1,2,3-cd]pyrene	18.81	276	54	0.08	ppb	#	50
31) Dibenz[a,h]anthracene	18.82	278	57	0.12	ppb	#	87
32) Benzo[g,h,i]perylene	19.36	276	49	0.08	ppb	#	1

(#) = qualifier out of range (m) = manual integration
H35546.D H10269SP.M Tue Oct 27 14:20:51 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1919\H35546.D Vial: 4
Acq On : 22 Oct 2009 12:27 pm Operator: sheilac
Sample : ic1919-0.1 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 14:34 2009 Quant Results File: H10229SP.RES

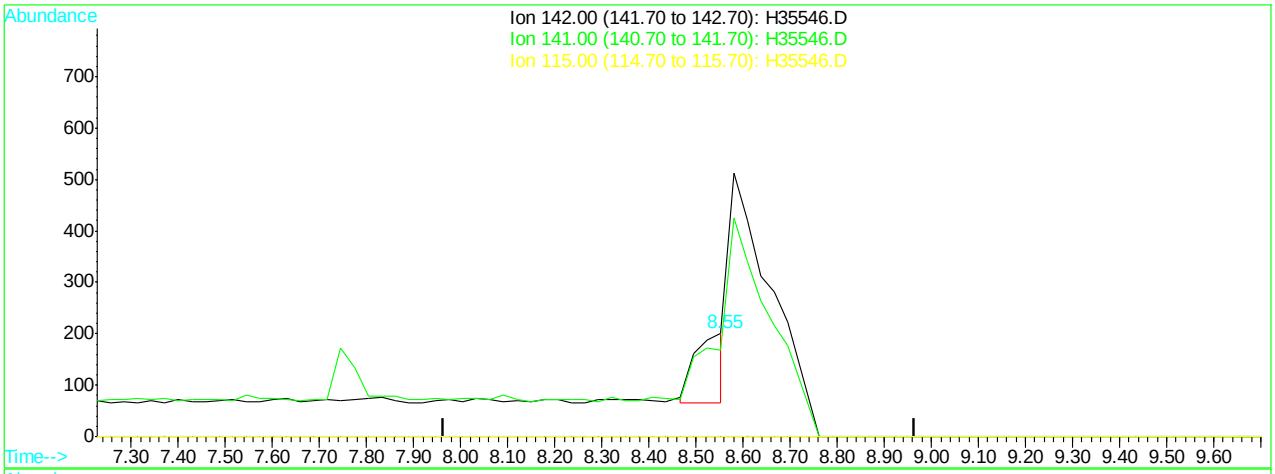
Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Initial Calibration

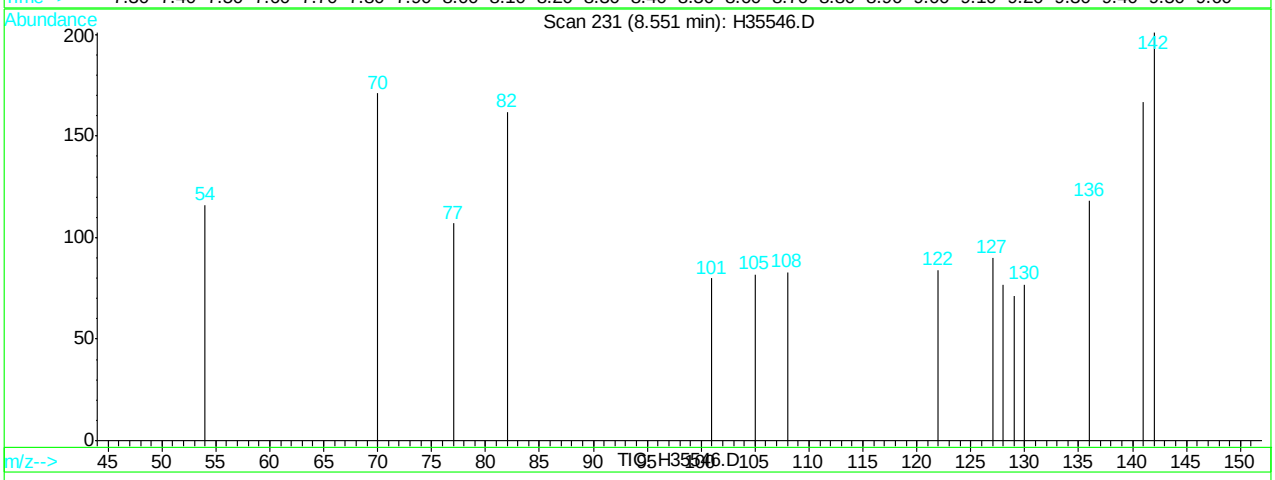


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35546.D Vial: 4
Acq On : 22 Oct 2009 12:27 pm Operator: sheilac
Sample : ic1919-0.1 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 14:34 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(7) 2-Methylnaphthalene

8.55min 0.04ppb m

response 608

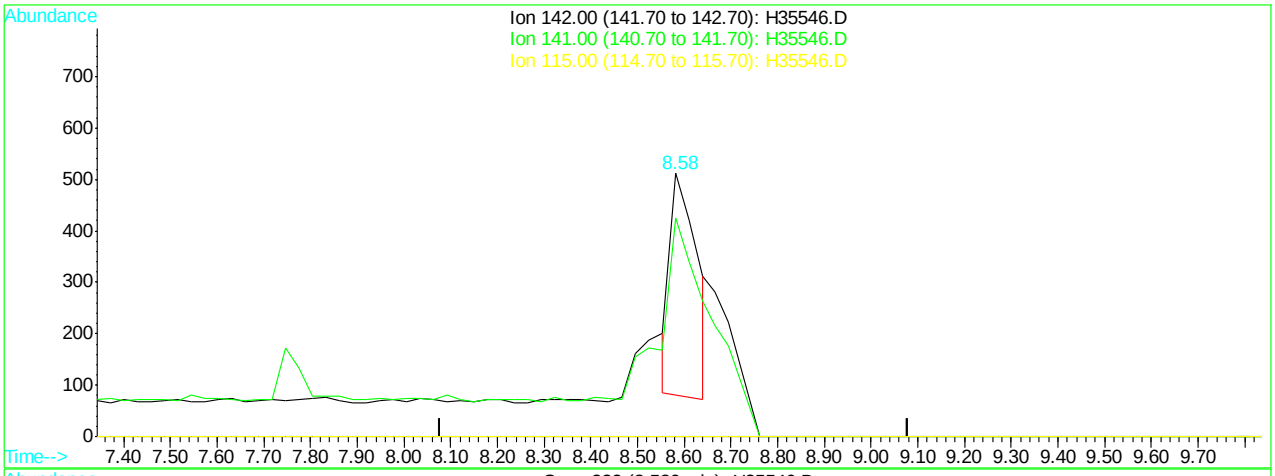
Ion	Exp%	Act%
142.00	100	100
141.00	53.70	629.28#
115.00	0.00	0.00
0.00	0.00	0.00

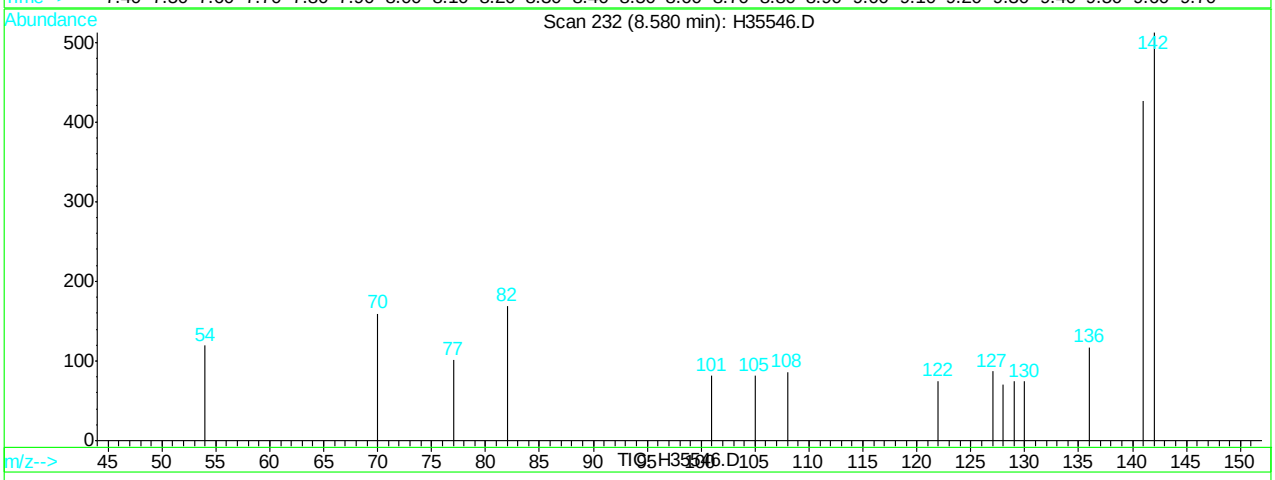
H35546.D H10269SP.M Tue Oct 27 14:21:32 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35546.D Vial: 4
Acq On : 22 Oct 2009 12:27 pm Operator: sheilac
Sample : ic1919-0.1 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 14:34 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(8) 1-Methylnaphthalene

8.58min 0.10ppb m

response 1745

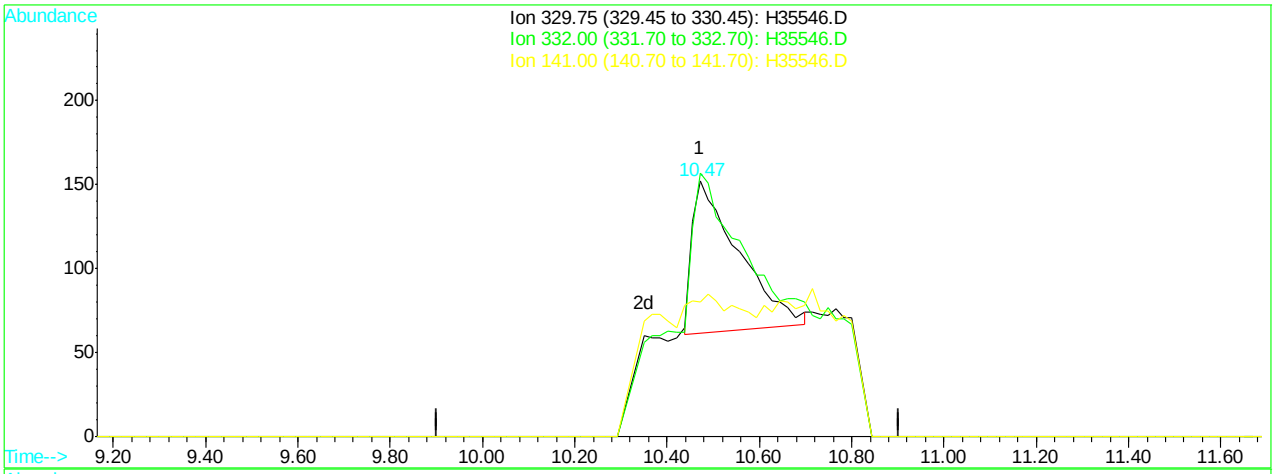
Ion	Exp%	Act%
142.00	100	100
141.00	90.30	219.26#
115.00	0.00	0.00
0.00	0.00	0.00

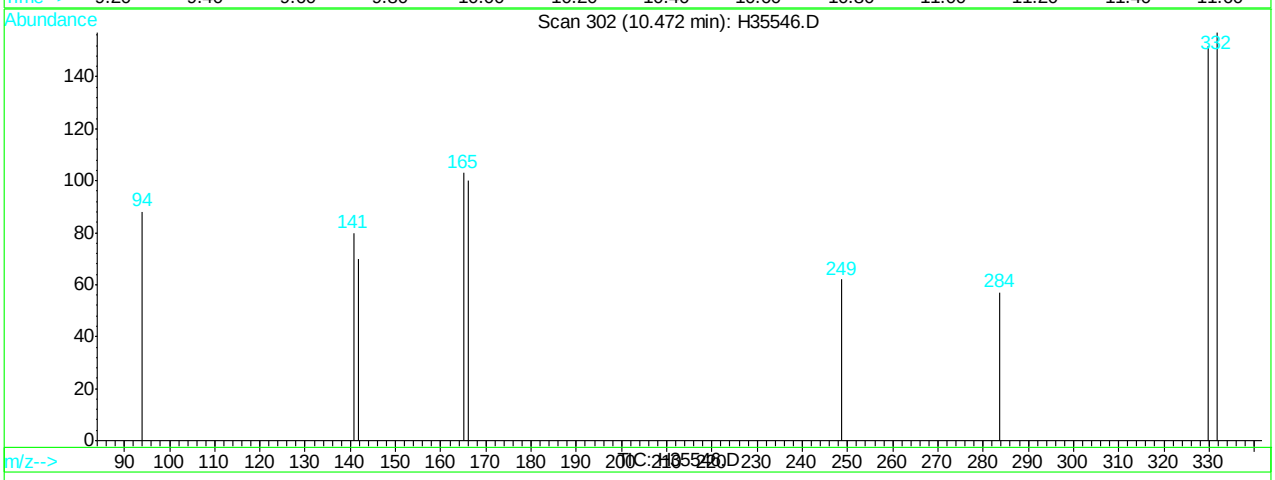
H35546.D H10269SP.M Tue Oct 27 14:21:36 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35546.D Vial: 4
Acq On : 22 Oct 2009 12:27 pm Operator: sheilac
Sample : ic1919-0.1 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 14:34 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(16) 2,4,6-Tribromophenol (S)

10.47min 0.41ppb m

response 637

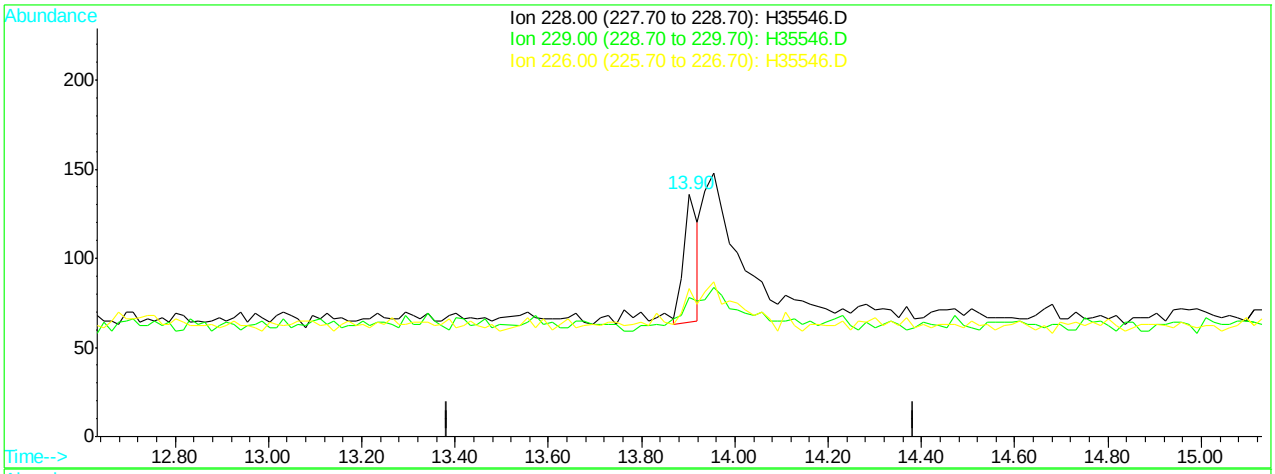
Ion	Exp%	Act%
329.75	100	100
332.00	98.20	390.42#
141.00	18.20	0.00#
0.00	0.00	0.00

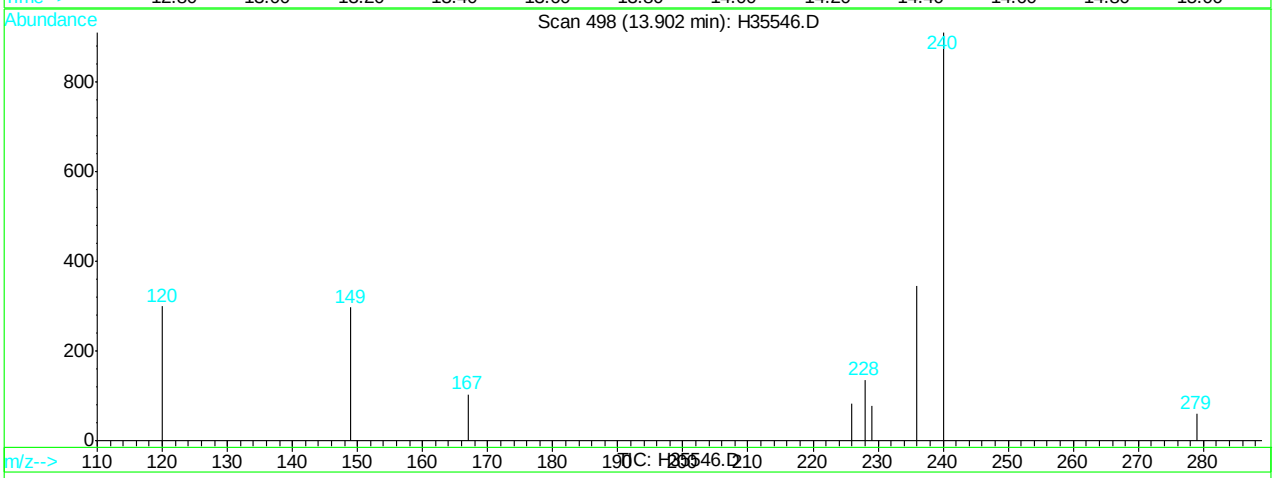
H35546.D H10269SP.M Tue Oct 27 14:21:41 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35546.D Vial: 4
Acq On : 22 Oct 2009 12:27 pm Operator: sheilac
Sample : ic1919-0.1 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 14:34 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(24) Benzo[a]anthracene (T)

13.90min 0.07ppb m

response 159

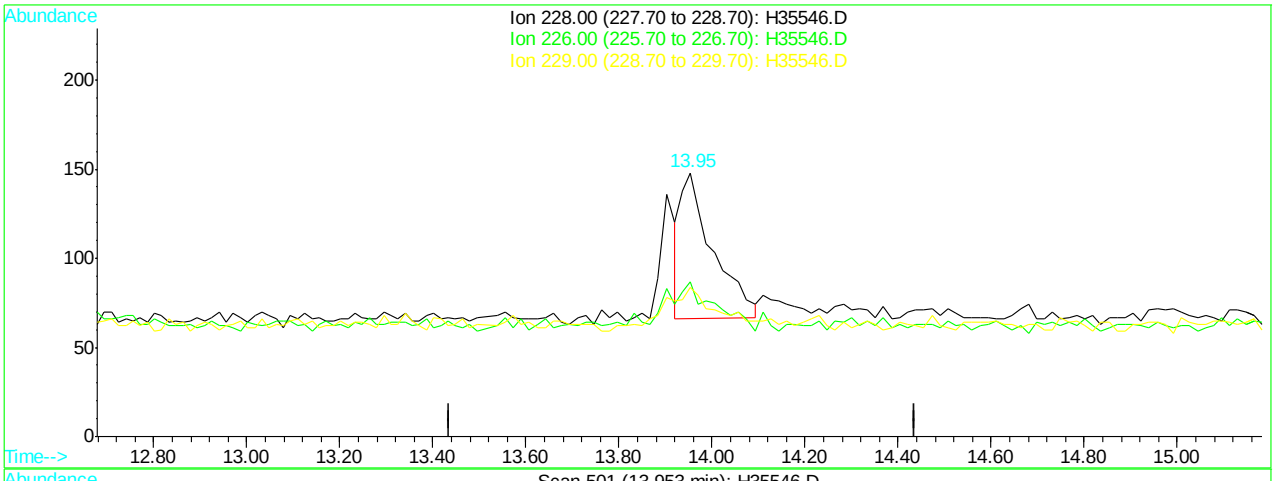
Ion	Exp%	Act%
228.00	100	100
229.00	19.00	57.35#
226.00	28.70	61.03#
0.00	0.00	0.00

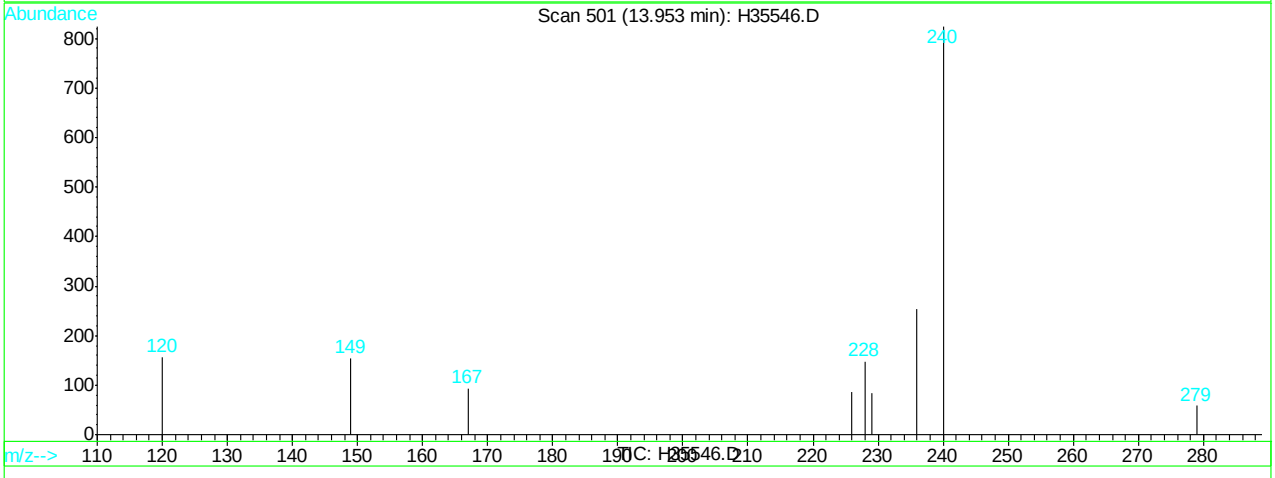
H35546.D H10269SP.M Tue Oct 27 14:21:48 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35546.D Vial: 4
Acq On : 22 Oct 2009 12:27 pm Operator: sheilac
Sample : ic1919-0.1 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 14:34 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(25) Chrysene (T)

13.95min 0.13ppb m

response 401

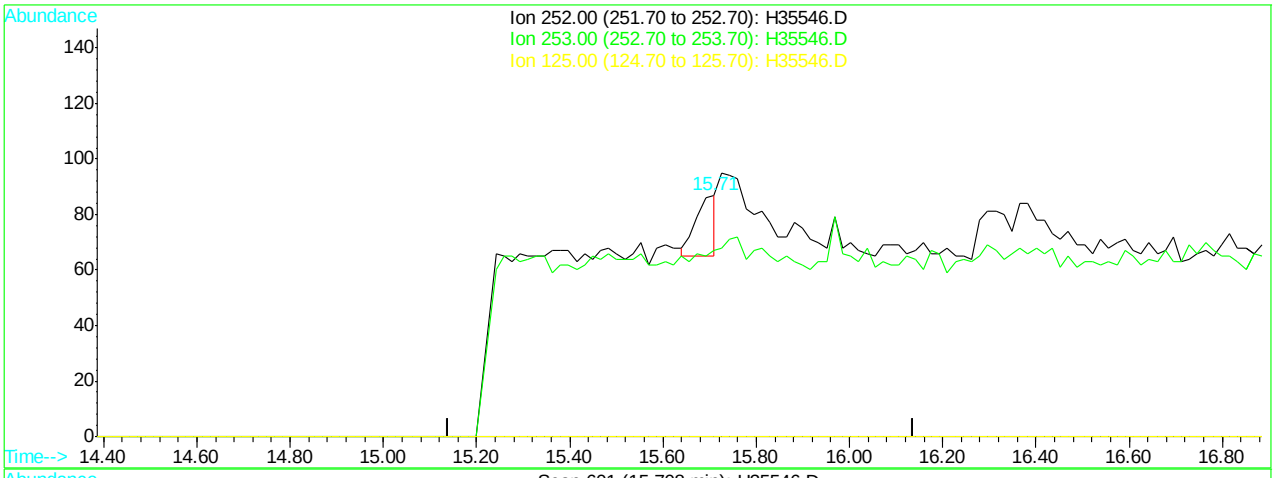
Ion	Exp%	Act%
228.00	100	100
226.00	29.20	58.78#
229.00	18.40	56.76#
0.00	0.00	0.00

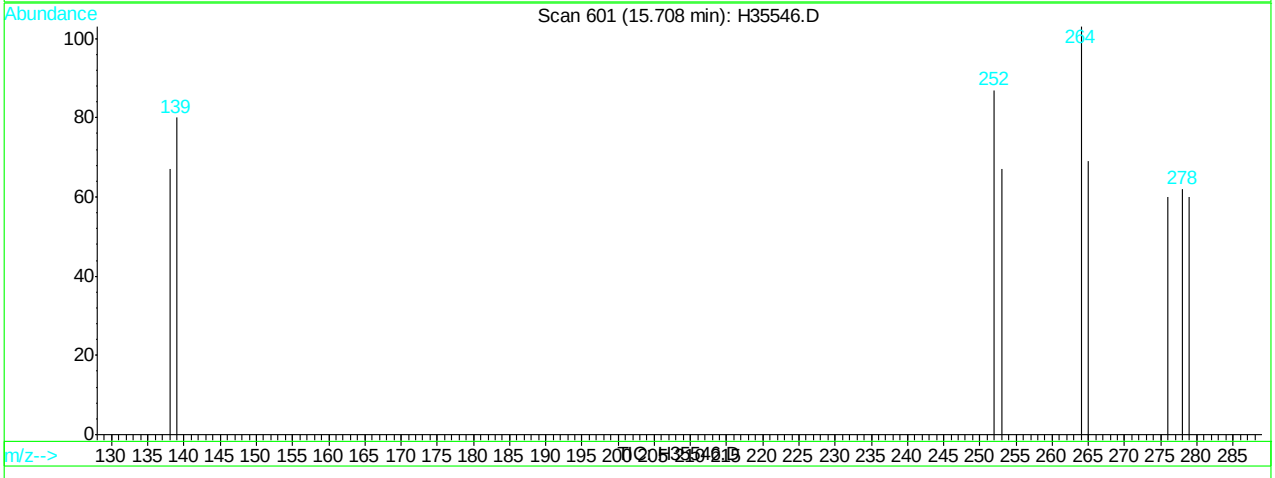
H35546.D H10269SP.M Tue Oct 27 14:21:51 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35546.D Vial: 4
Acq On : 22 Oct 2009 12:27 pm Operator: sheilac
Sample : ic1919-0.1 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 14:34 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(27) Benzo[b]fluoranthene (T)

15.71min 0.05ppb m

response 66

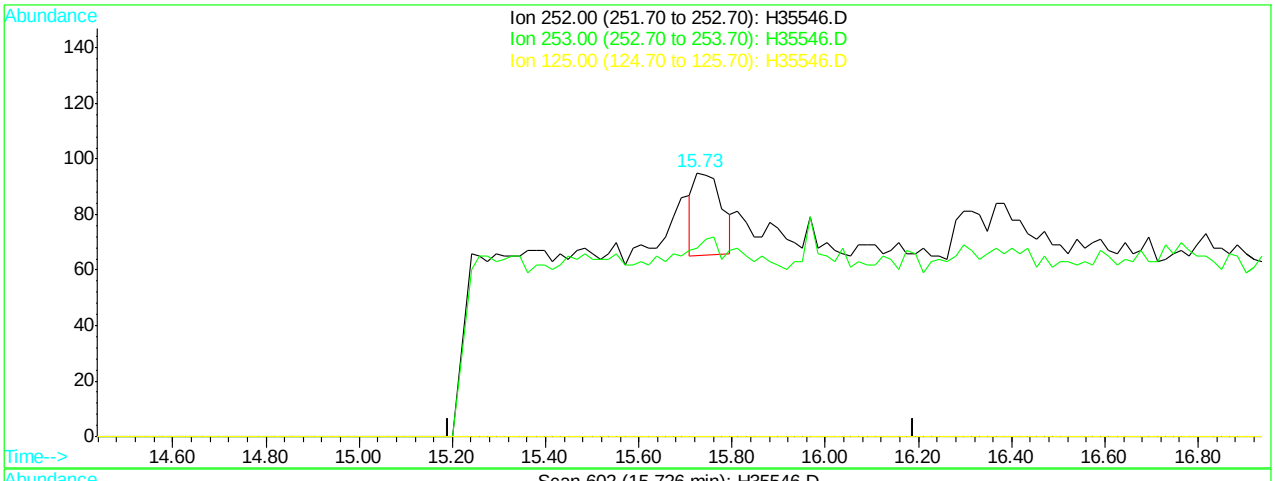
Ion	Exp%	Act%
252.00	100	100
253.00	26.80	77.01#
125.00	0.00	0.00
0.00	0.00	0.00

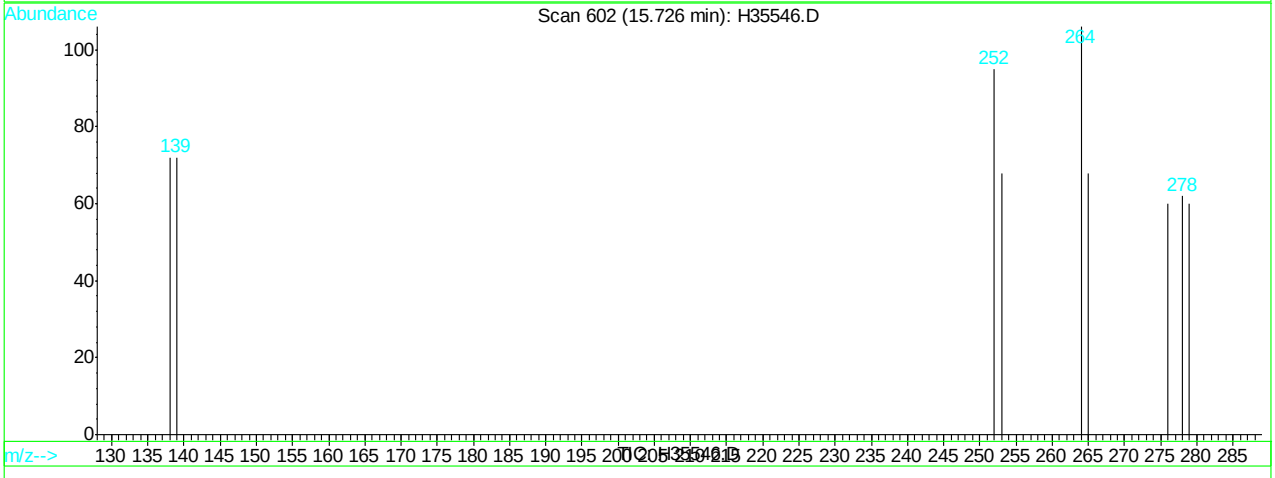
H35546.D H10269SP.M Tue Oct 27 14:21:57 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35546.D Vial: 4
Acq On : 22 Oct 2009 12:27 pm Operator: sheilac
Sample : ic1919-0.1 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 14:34 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.73min 0.06ppb m

response 124

Ion	Exp%	Act%
252.00	100	100
253.00	26.80	71.58#
125.00	0.00	0.00
0.00	0.00	0.00

H35546.D H10269SP.M Tue Oct 27 14:22:01 2009

8.6.9.7

8

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/27/09 17:03

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1919\H35547.D Vial: 5
Acq On : 22 Oct 2009 12:54 pm Operator: sheilac
Sample : ic1919-0.2 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 14:36 2009 Quant Results File: H10229SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 14:35:11 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.66	152	64635	4.00	ppb	0.00
4) Naphthalene-d8	7.57	136	44876	4.00	ppb	0.00
9) Acenaphthene-d10	9.57	164	37893	4.00	ppb	0.00
15) Phenanthrene-d10	11.11	188	47945	4.00	ppb	0.02
21) Chrysene-d12	13.92	240	7690	4.00	ppb	0.02
26) Perylene-d12	16.38	264	3914	4.00	ppb	0.02
System Monitoring Compounds						
5) Nitrobenzene-d5	6.71	82	2208	0.97	ppb	0.14
Spiked Amount 5.000	Range 17 - 131		Recovery = 19.40%			
10) 2-Fluorobiphenyl	8.90	172	24505	0.79	ppb	0.03
Spiked Amount 5.000	Range 15 - 137		Recovery = 15.80%			
16) 2,4,6-Tribromophenol	10.46	330	1639m	1.05	ppb	0.05
Spiked Amount 10.000	Range 10 - 123		Recovery = 10.50%			
23) Terphenyl-d14	12.70	244	1244	0.77	ppb	0.03
Spiked Amount 5.000	Range 10 - 160		Recovery = 15.40%			

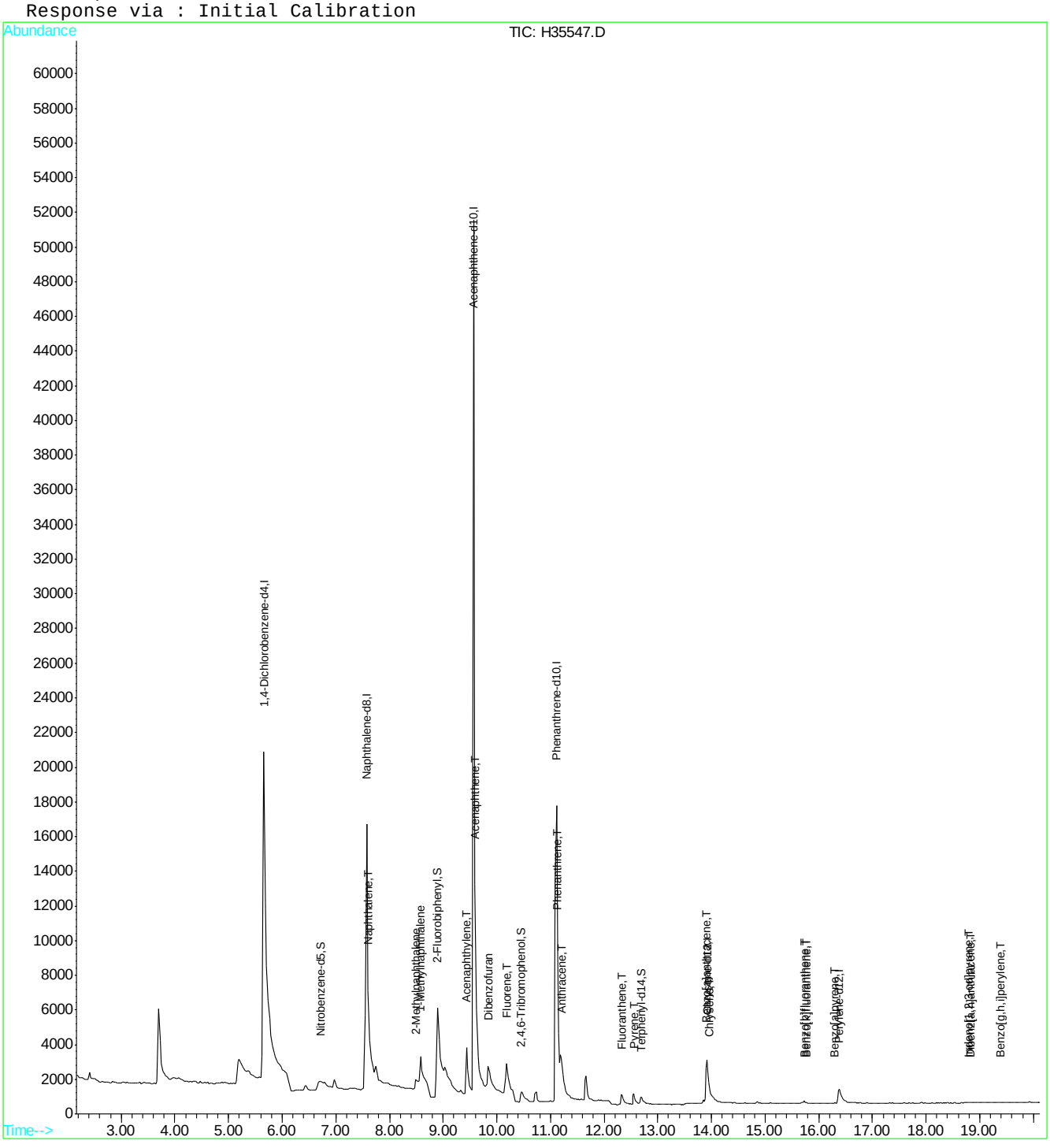
Target Compounds							Qvalue
6) Naphthalene	7.60	128	3597	0.23	ppb	#	81
7) 2-Methylnaphthalene	8.49	142	1477m	0.10	ppb		
8) 1-Methylnaphthalene	8.58	142	3464m	0.21	ppb		
11) Acenaphthylene	9.43	152	5670	0.22	ppb		90
12) Acenaphthene	9.60	153	3685	0.16	ppb		93
13) Dibenzofuran	9.84	168	5080	0.18	ppb		96
14) Fluorene	10.19	166	2676	0.17	ppb		90
18) Phenanthrene	11.13	178	4217	0.18	ppb	#	85
19) Anthracene	11.21	178	5275	0.21	ppb	#	89
20) Fluoranthene	12.33	202	1943	0.12	ppb		98
22) Pyrene	12.56	202	2119	0.20	ppb	#	89
24) Benzo[a]anthracene	13.90	228	257m	0.11	ppb		
25) Chrysene	13.95	228	679m	0.21	ppb		
27) Benzo[b]fluoranthene	15.74	252	228m	0.18	ppb		
28) Benzo[k]fluoranthene	15.76	252	85m	0.04	ppb		
29) Benzo[a]pyrene	16.30	252	244m	0.19	ppb		
30) Indeno[1,2,3-cd]pyrene	18.79	276	54	0.08	ppb		95
31) Dibenz[a,h]anthracene	18.82	278	100	0.20	ppb	#	72
32) Benzo[g,h,i]perylene	19.39	276	113	0.18	ppb	#	53

(#) = qualifier out of range (m) = manual integration
H35547.D H10269SP.M Tue Oct 27 14:22:07 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1919\H35547.D Vial: 5
Acq On : 22 Oct 2009 12:54 pm Operator: sheilac
Sample : ic1919-0.2 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 14:36 2009 Quant Results File: H10229SP.RES

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Initial Calibration

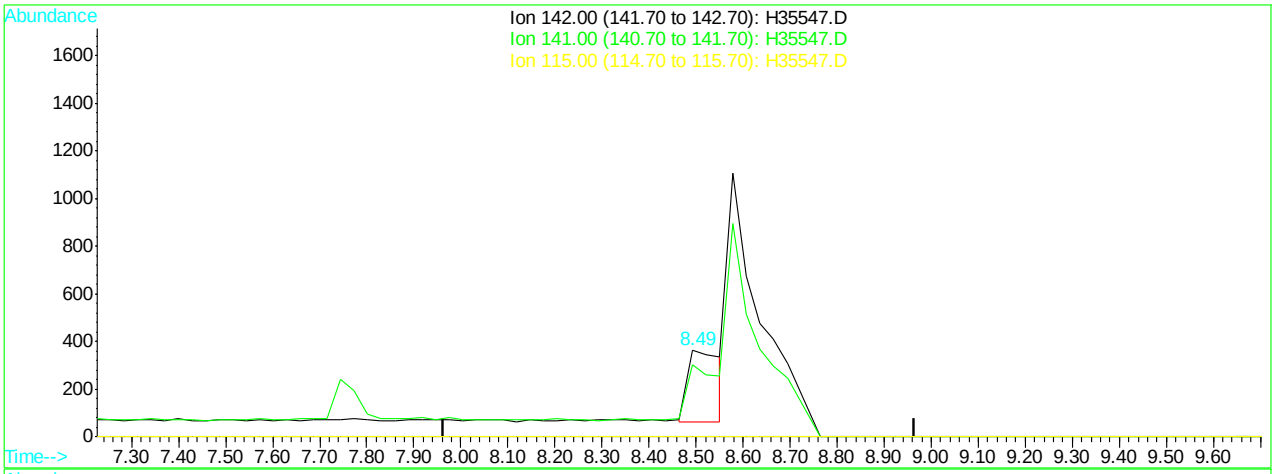


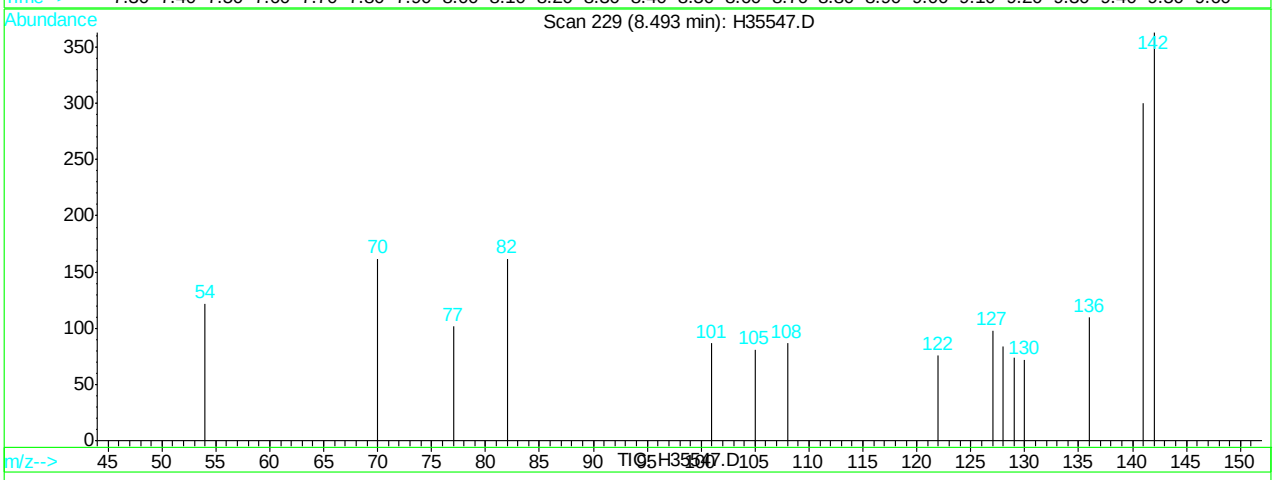
ACCUTEST Laboratories T39513

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35547.D Vial: 5
Acq On : 22 Oct 2009 12:54 pm Operator: sheilac
Sample : ic1919-0.2 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 14:36 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(7) 2-Methylnaphthalene

8.49min 0.10ppb m

response 1477

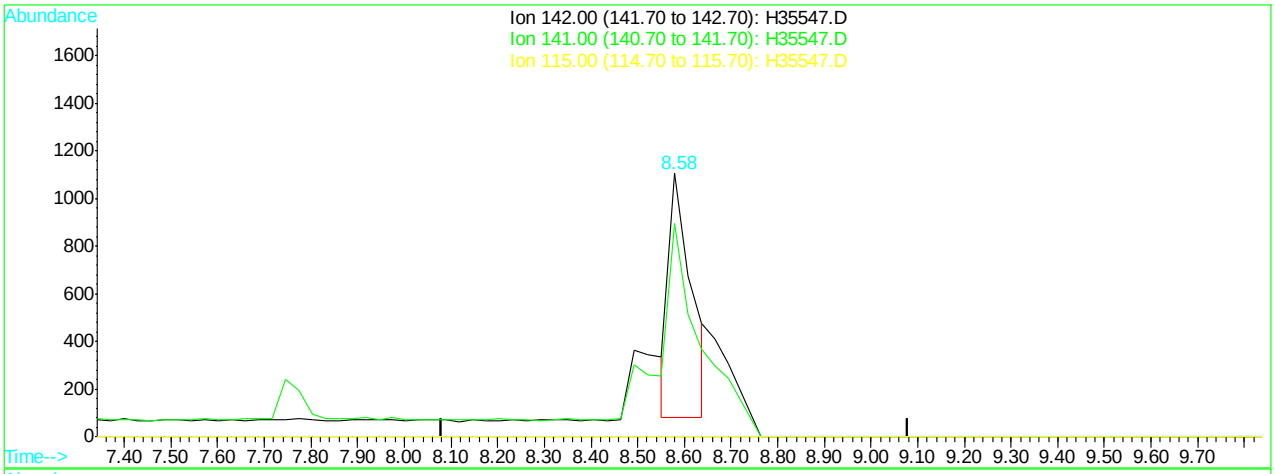
Ion	Exp%	Act%
142.00	100	100
141.00	53.70	421.26#
115.00	0.00	0.00
0.00	0.00	0.00

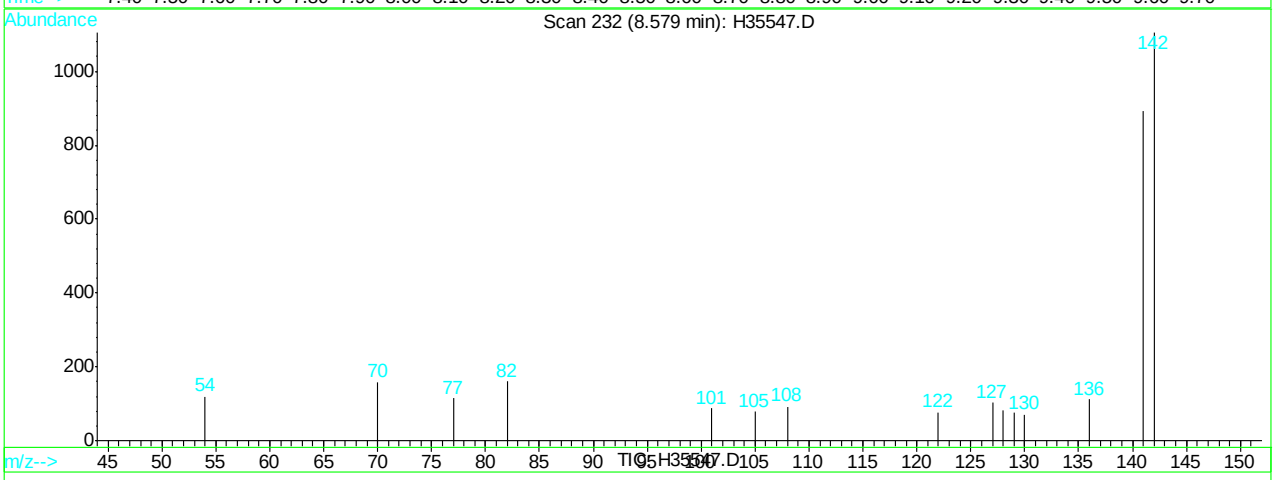
H35547.D H10269SP.M Tue Oct 27 14:25:03 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35547.D Vial: 5
Acq On : 22 Oct 2009 12:54 pm Operator: sheilac
Sample : ic1919-0.2 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 14:36 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(8) 1-Methylnaphthalene

8.58min 0.21ppb m

response 3464

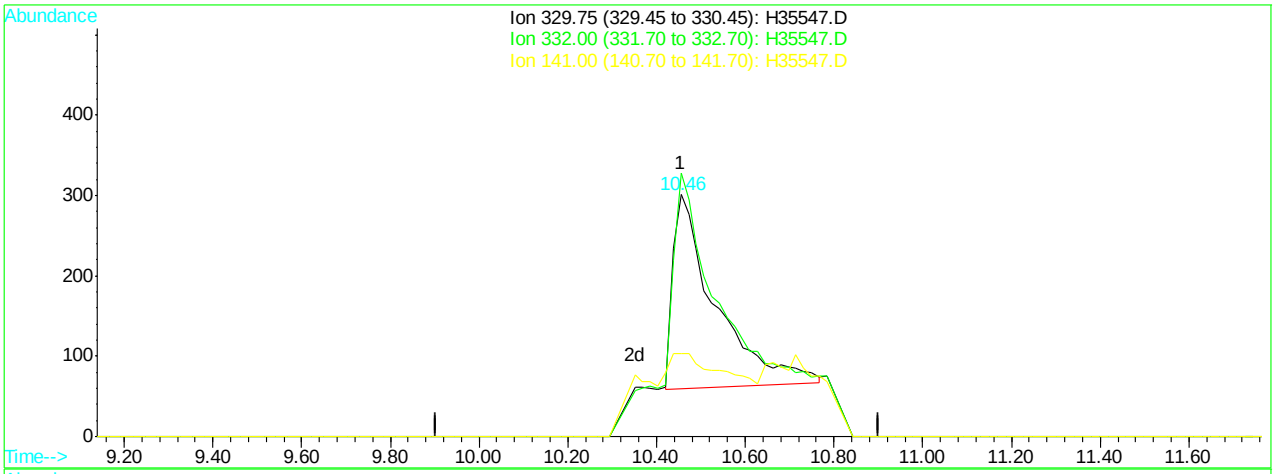
Ion	Exp%	Act%
142.00	100	100
141.00	90.30	179.62#
115.00	0.00	0.00
0.00	0.00	0.00

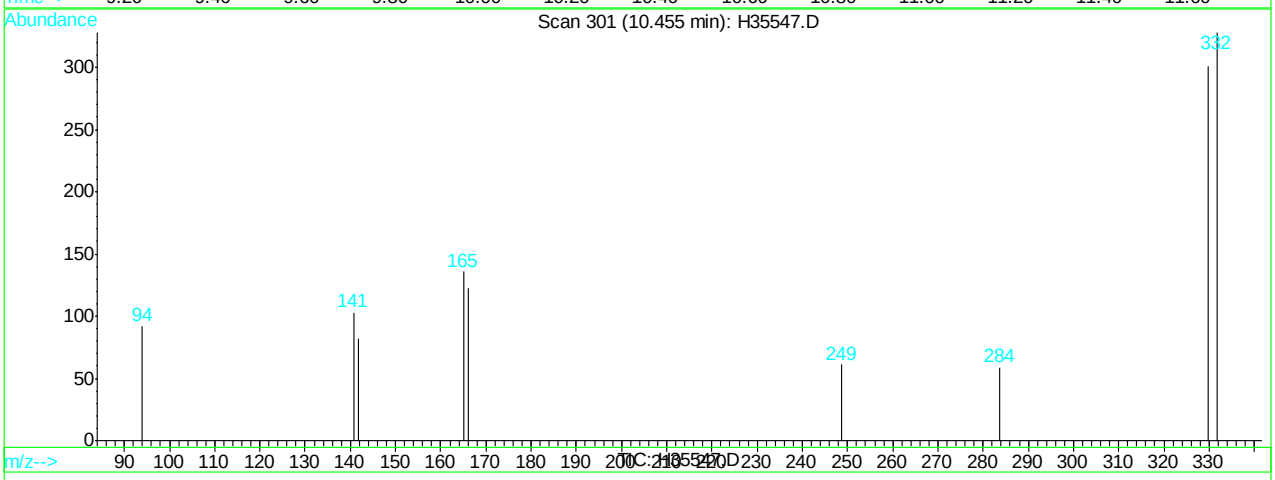
H35547.D H10269SP.M Tue Oct 27 14:25:06 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35547.D Vial: 5
Acq On : 22 Oct 2009 12:54 pm Operator: sheilac
Sample : ic1919-0.2 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 14:36 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(16) 2,4,6-Tribromophenol (S)

10.46min 1.05ppb m

response 1639

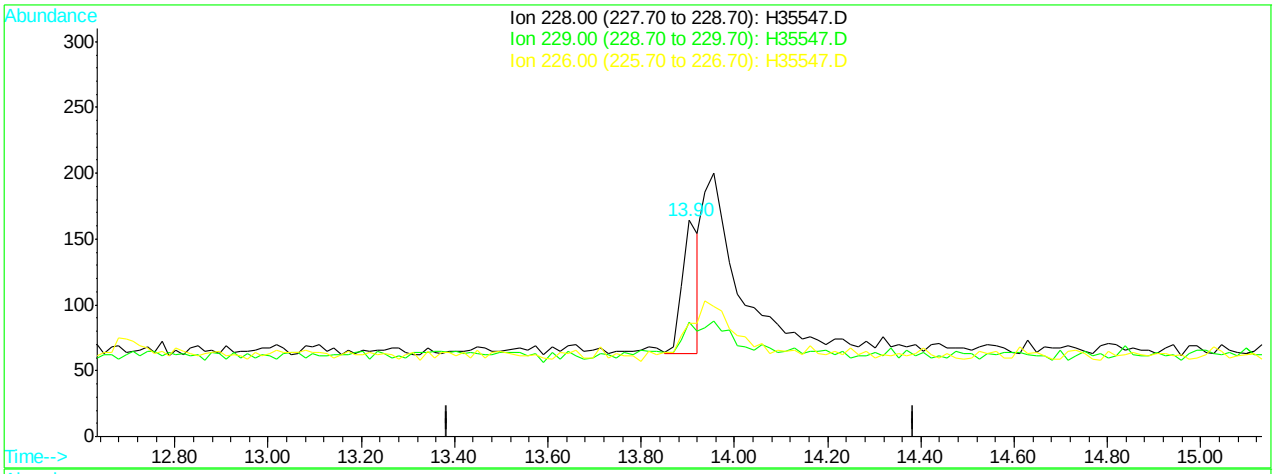
Ion	Exp%	Act%
329.75	100	100
332.00	98.20	246.67#
141.00	18.20	36.12#
0.00	0.00	0.00

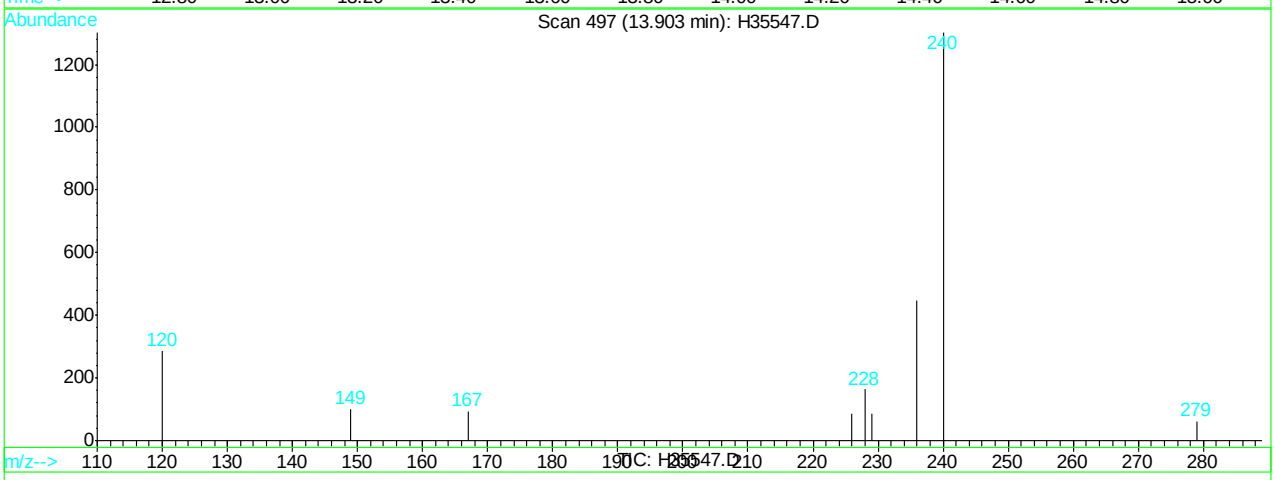
H35547.D H10269SP.M Tue Oct 27 14:25:10 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35547.D Vial: 5
Acq On : 22 Oct 2009 12:54 pm Operator: sheilac
Sample : ic1919-0.2 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 14:36 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(24) Benzo[a]anthracene (T)

13.90min 0.11ppb m

response 257

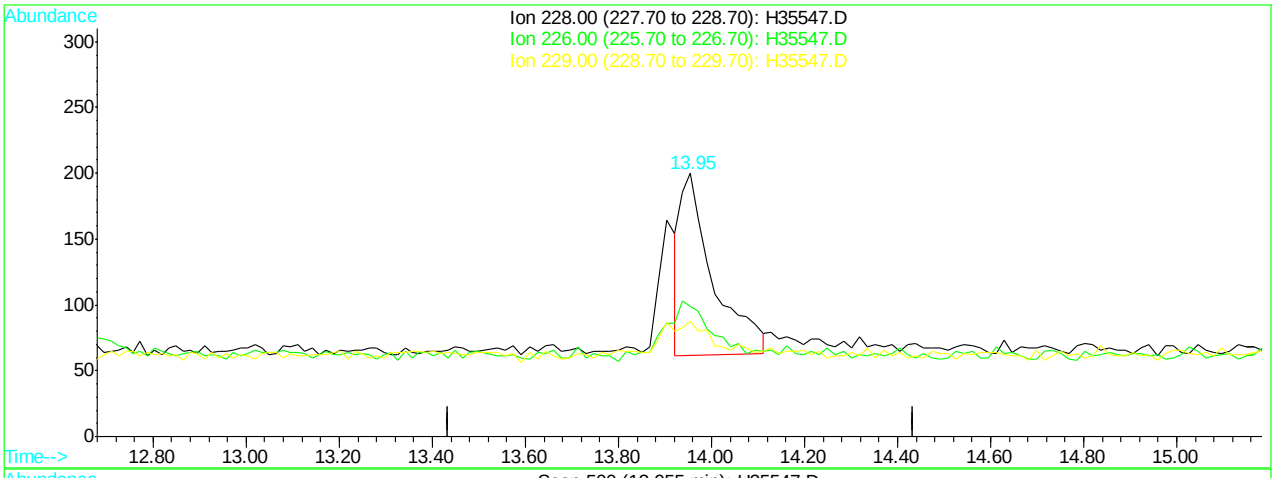
Ion	Exp%	Act%
228.00	100	100
229.00	19.00	53.05#
226.00	28.70	52.44#
0.00	0.00	0.00

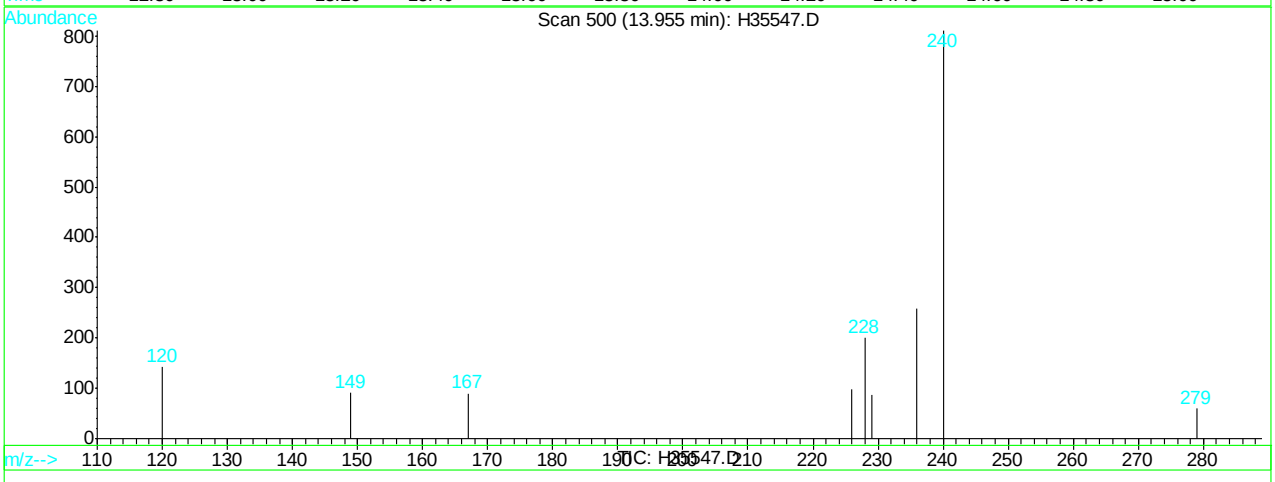
H35547.D H10269SP.M Tue Oct 27 14:25:15 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35547.D Vial: 5
Acq On : 22 Oct 2009 12:54 pm Operator: sheilac
Sample : ic1919-0.2 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 14:36 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(25) Chrysene (T)

13.95min 0.21ppb m

response 679

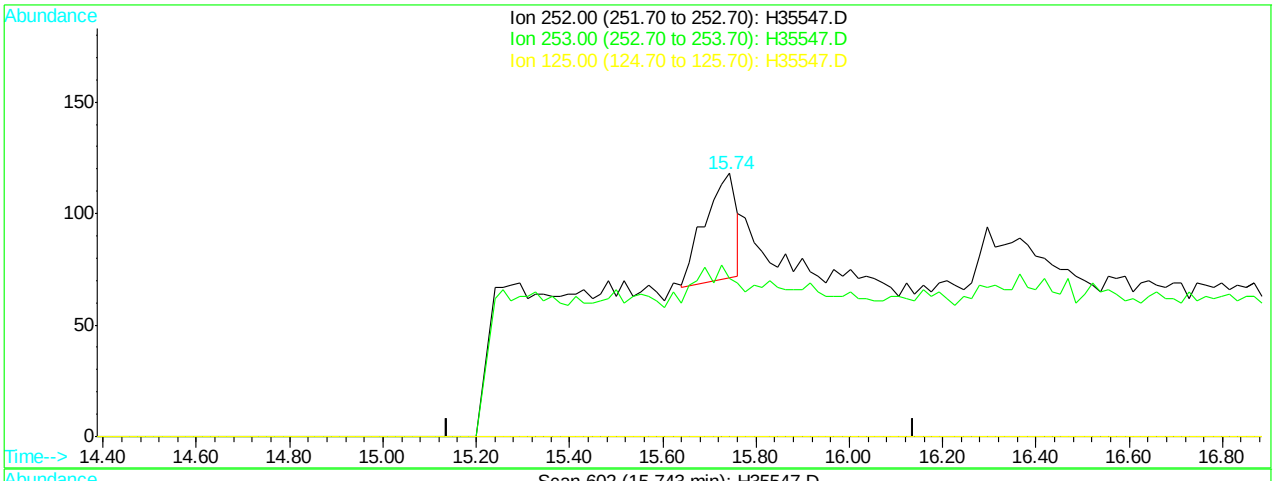
Ion	Exp%	Act%
228.00	100	100
226.00	29.20	49.50#
229.00	18.40	44.00#
0.00	0.00	0.00

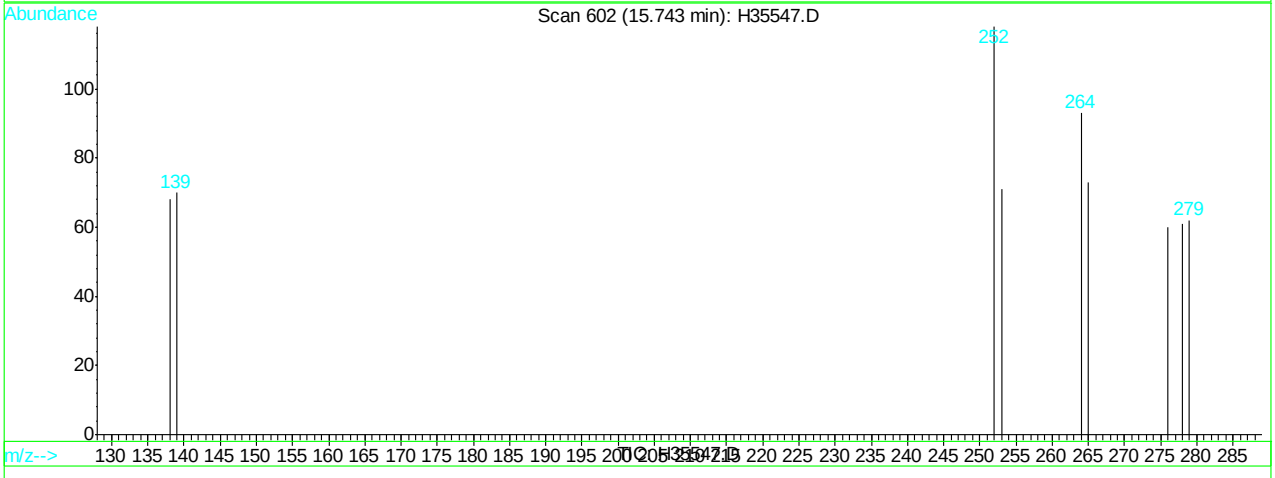
H35547.D H10269SP.M Tue Oct 27 14:25:19 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35547.D Vial: 5
Acq On : 22 Oct 2009 12:54 pm Operator: sheilac
Sample : ic1919-0.2 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 14:36 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(27) Benzo[b]fluoranthene (T)

15.74min 0.18ppb m

response 228

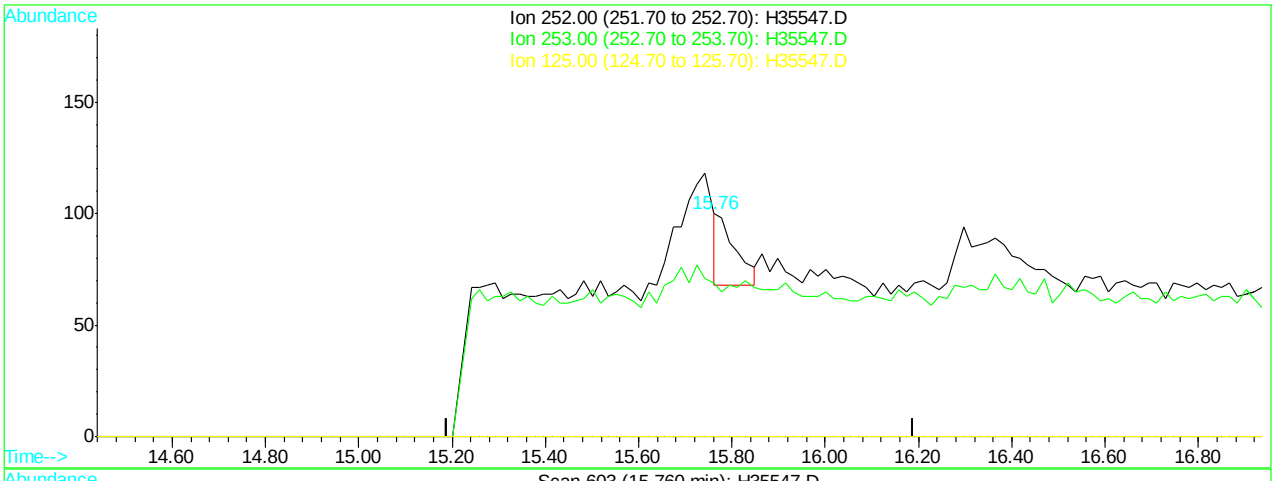
Ion	Exp%	Act%
252.00	100	100
253.00	26.80	60.17#
125.00	0.00	0.00
0.00	0.00	0.00

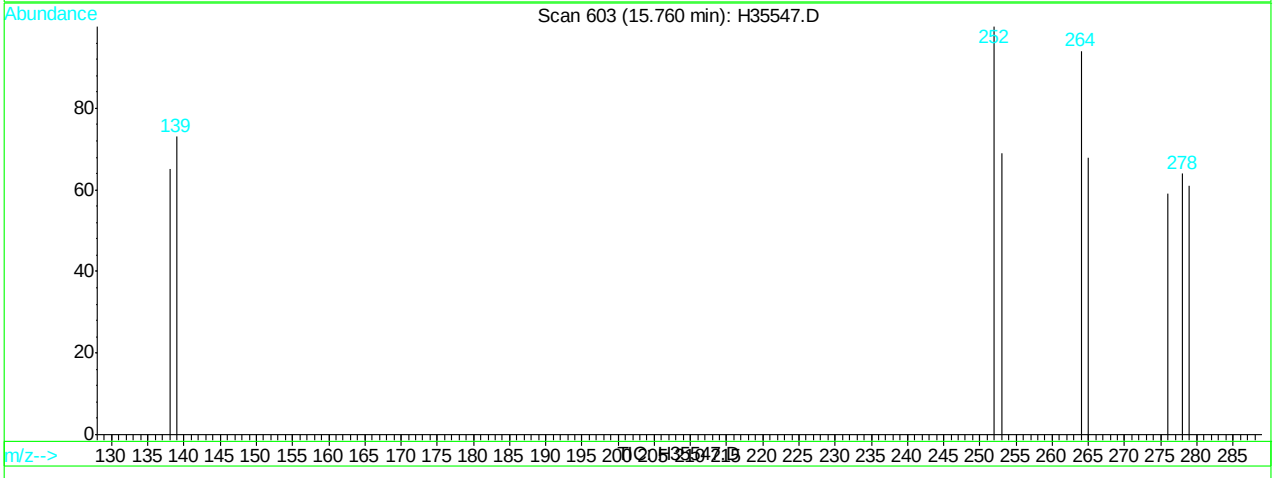
H35547.D H10269SP.M Tue Oct 27 14:25:25 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35547.D Vial: 5
Acq On : 22 Oct 2009 12:54 pm Operator: sheilac
Sample : ic1919-0.2 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 14:36 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.76min 0.04ppb m

response 85

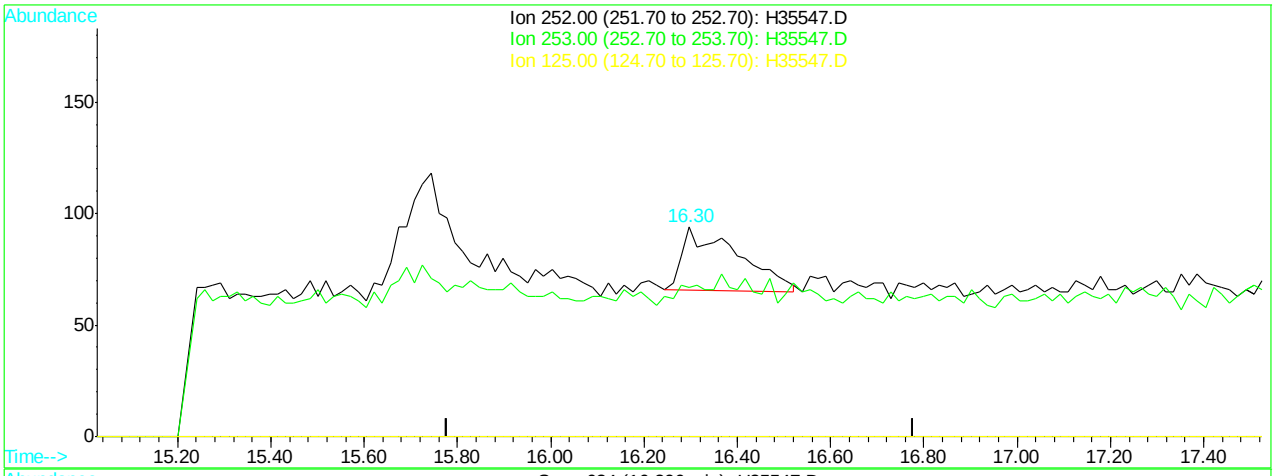
Ion	Exp%	Act%
252.00	100	100
253.00	26.80	69.00#
125.00	0.00	0.00
0.00	0.00	0.00

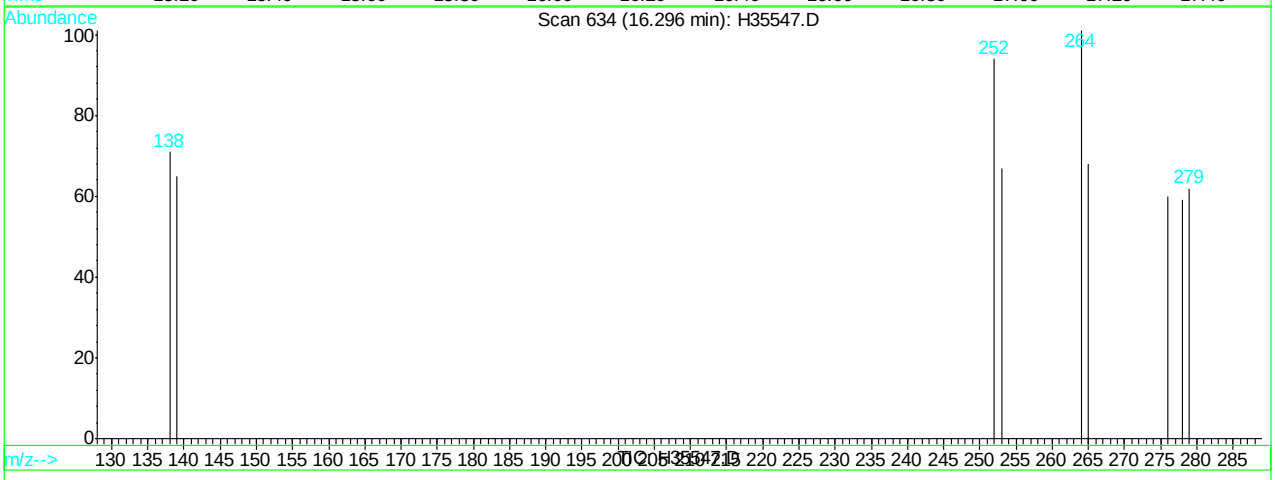
H35547.D H10269SP.M Tue Oct 27 14:25:28 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35547.D Vial: 5
Acq On : 22 Oct 2009 12:54 pm Operator: sheilac
Sample : ic1919-0.2 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 14:36 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(29) Benzo[a]pyrene (T)

16.30min 0.19ppb m

response 244

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	71.28#
125.00	0.00	0.00
0.00	0.00	0.00

H35547.D H10269SP.M Tue Oct 27 14:25:34 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez 10/27/09 17:03

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1919\H35548.D Vial: 6
Acq On : 22 Oct 2009 1:24 pm Operator: sheilac
Sample : ic1919-10 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 14:37 2009 Quant Results File: H10229SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 14:00:47 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.66	152	70748	4.00 ppb	0.00
4) Naphthalene-d8	7.54	136	40574	4.00 ppb	-0.01
9) Acenaphthene-d10	9.57	164	39899	4.00 ppb	0.00
15) Phenanthrene-d10	11.09	188	79090	4.00 ppb	0.00
21) Chrysene-d12	13.88	240	15197	4.00 ppb	0.00
26) Perylene-d12	16.37	264	4572	4.00 ppb	0.02

System Monitoring Compounds

5) Nitrobenzene-d5	6.57	82	224065	128.77 ppb	0.02
Spiked Amount 5.000	Range 17 - 131		Recovery	= 2575.40%#	
10) 2-Fluorobiphenyl	8.87	172	1547524	57.57 ppb	0.00
Spiked Amount 5.000	Range 15 - 137		Recovery	= 1151.40%#	
16) 2,4,6-Tribromophenol	10.40	330	290251	112.59 ppb	0.00
Spiked Amount 10.000	Range 10 - 123		Recovery	= 1125.90%#	
23) Terphenyl-d14	12.66	244	262974	91.16 ppb	0.00
Spiked Amount 5.000	Range 10 - 160		Recovery	= 1823.20%#	

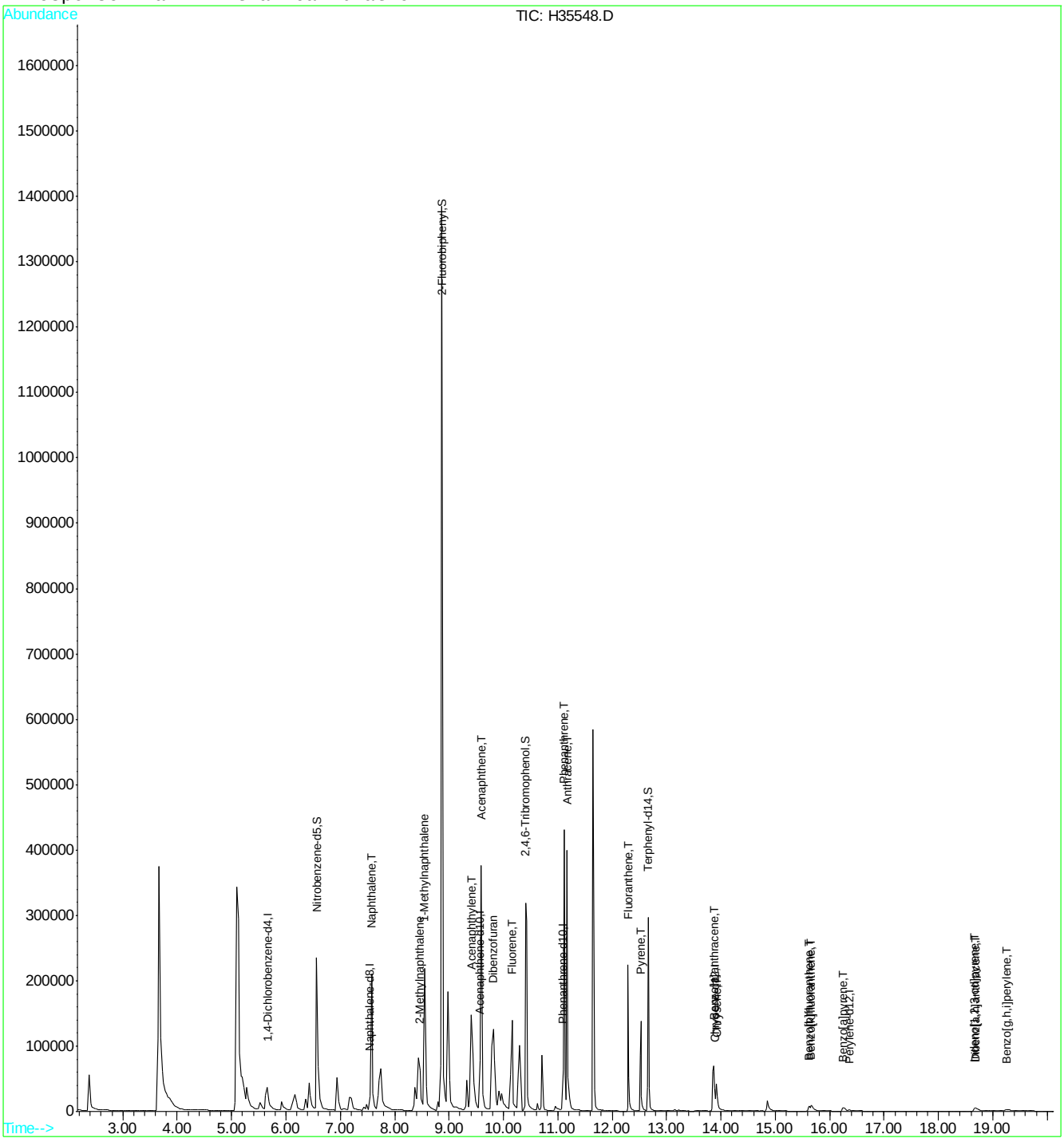
Target Compounds						Qvalue
6) Naphthalene	7.57	128	283047	27.90 ppb		93
7) 2-Methylnaphthalene	8.46	142	151932m	15.00 ppb		
8) 1-Methylnaphthalene	8.55	142	279197	20.95 ppb	#	70
11) Acenaphthylene	9.41	152	240445	10.72 ppb		92
12) Acenaphthene	9.60	153	247852	10.87 ppb	#	76
13) Dibenzofuran	9.81	168	192973	10.29 ppb	#	79
14) Fluorene	10.16	166	129012	12.36 ppb		93
18) Phenanthrene	11.11	178	393852	10.36 ppb		96
19) Anthracene	11.17	178	407363	10.34 ppb		99
20) Fluoranthene	12.29	202	269709	8.00 ppb		99
22) Pyrene	12.53	202	228784	16.69 ppb		100
24) Benzo[a]anthracene	13.87	228	57043	11.56 ppb		95
25) Chrysene	13.92	228	58879	9.69 ppb		97
27) Benzo[b]fluoranthene	15.62	252	17407	10.91 ppb		97
28) Benzo[k]fluoranthene	15.66	252	27336m	10.34 ppb		
29) Benzo[a]pyrene	16.24	252	17990	12.13 ppb		98
30) Indeno[1,2,3-cd]pyrene	18.67	276	13317	19.41 ppb		99
31) Dibenz[a,h]anthracene	18.68	278	9594	21.92 ppb		92
32) Benzo[g,h,i]perylene	19.25	276	11119	18.59 ppb		94

(#) = qualifier out of range (m) = manual integration
H35548.D H10269SP.M Tue Oct 27 14:25:41 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1919\H35548.D Vial: 6
Acq On : 22 Oct 2009 1:24 pm Operator: sheilac
Sample : ic1919-10 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 14:37 2009 Quant Results File: H10229SP.RES

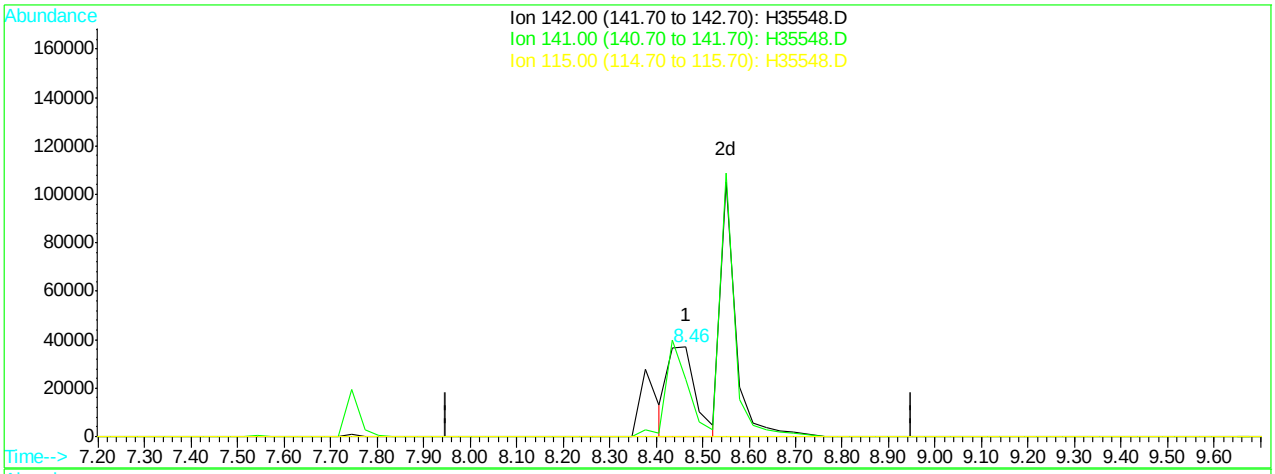
Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Initial Calibration

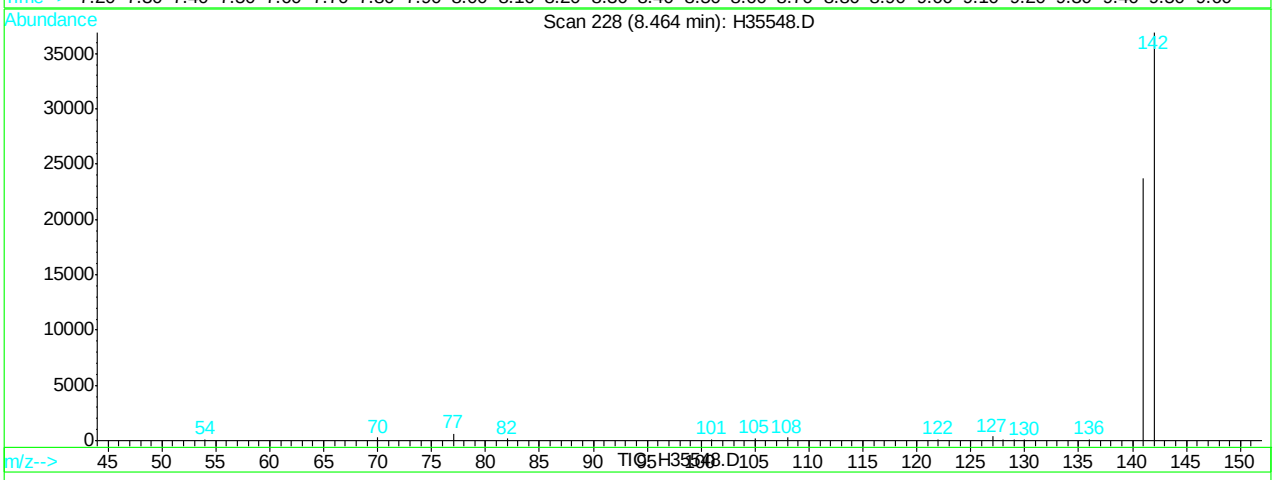


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35548.D Vial: 6
Acq On : 22 Oct 2009 1:24 pm Operator: sheilac
Sample : ic1919-10 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 14:37 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(7) 2-Methylnaphthalene

8.46min 15.00ppb m

response 151932

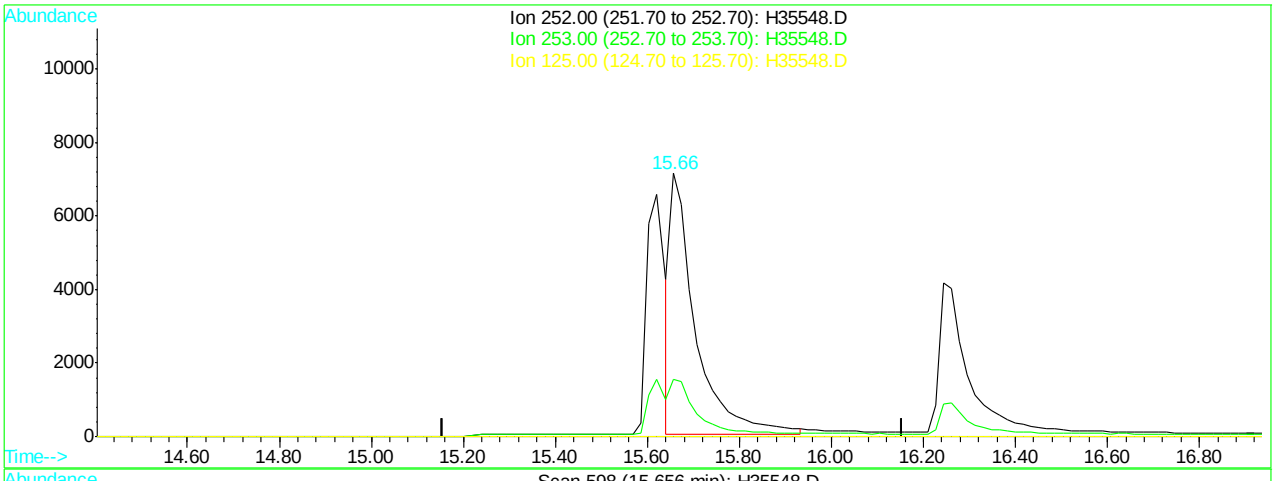
Ion	Exp%	Act%
142.00	100	100
141.00	72.40	86.79
115.00	0.00	0.00
0.00	0.00	0.00

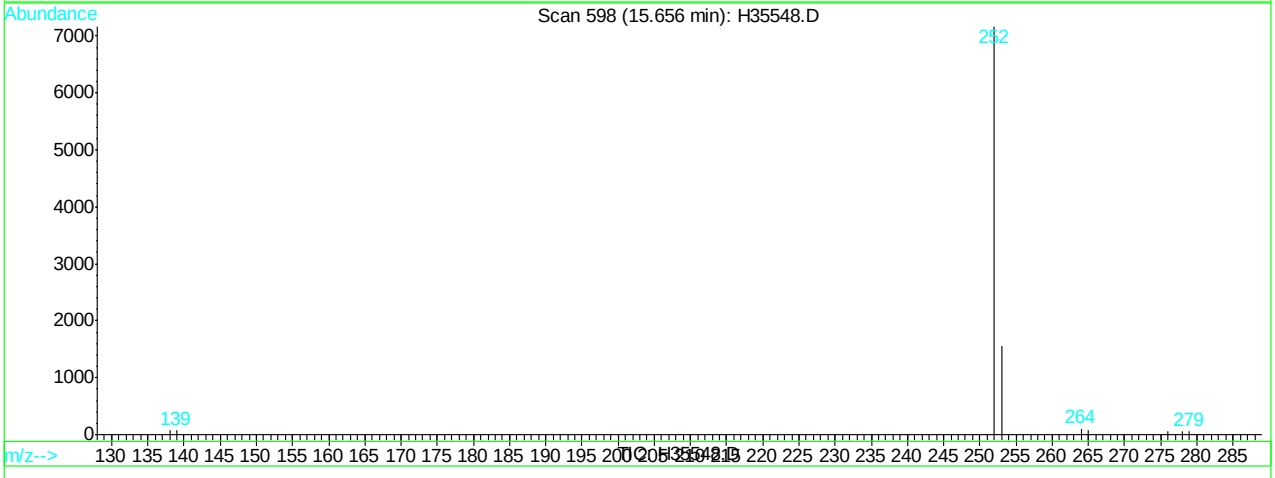
H35548.D H10269SP.M Tue Oct 27 14:25:59 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35548.D Vial: 6
Acq On : 22 Oct 2009 1:24 pm Operator: sheilac
Sample : ic1919-10 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 14:37 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.66min 10.34ppb m

response 27336

Ion	Exp%	Act%
252.00	100	100
253.00	21.80	21.78
125.00	0.00	0.00
0.00	0.00	0.00

H35548.D H10269SP.M Tue Oct 27 14:26:03 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez 10/27/09 17:03

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1919\H35549.D Vial: 7
Acq On : 22 Oct 2009 1:50 pm Operator: sheilac
Sample : ic1919-5 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 14:40 2009 Quant Results File: H10229SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 14:00:47 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.66	152	72020	4.00	ppb	0.00
4) Naphthalene-d8	7.54	136	49085	4.00	ppb	-0.01
9) Acenaphthene-d10	9.57	164	45348	4.00	ppb	0.00
15) Phenanthrene-d10	11.09	188	72574	4.00	ppb	0.00
21) Chrysene-d12	13.90	240	10705	4.00	ppb	0.02
26) Perylene-d12	16.37	264	3696	4.00	ppb	0.02

System Monitoring Compounds

5) Nitrobenzene-d5	6.57	82	94739	45.01	ppb	0.02
Spiked Amount 5.000	Range 17 - 131		Recovery = 900.20%#			
10) 2-Fluorobiphenyl	8.87	172	1016068	33.26	ppb	0.00
Spiked Amount 5.000	Range 15 - 137		Recovery = 665.20%#			
16) 2,4,6-Tribromophenol	10.40	330	147470	62.34	ppb	0.00
Spiked Amount 10.000	Range 10 - 123		Recovery = 623.40%#			
23) Terphenyl-d14	12.66	244	94419	46.47	ppb	0.00
Spiked Amount 5.000	Range 10 - 160		Recovery = 929.40%#			

Target Compounds

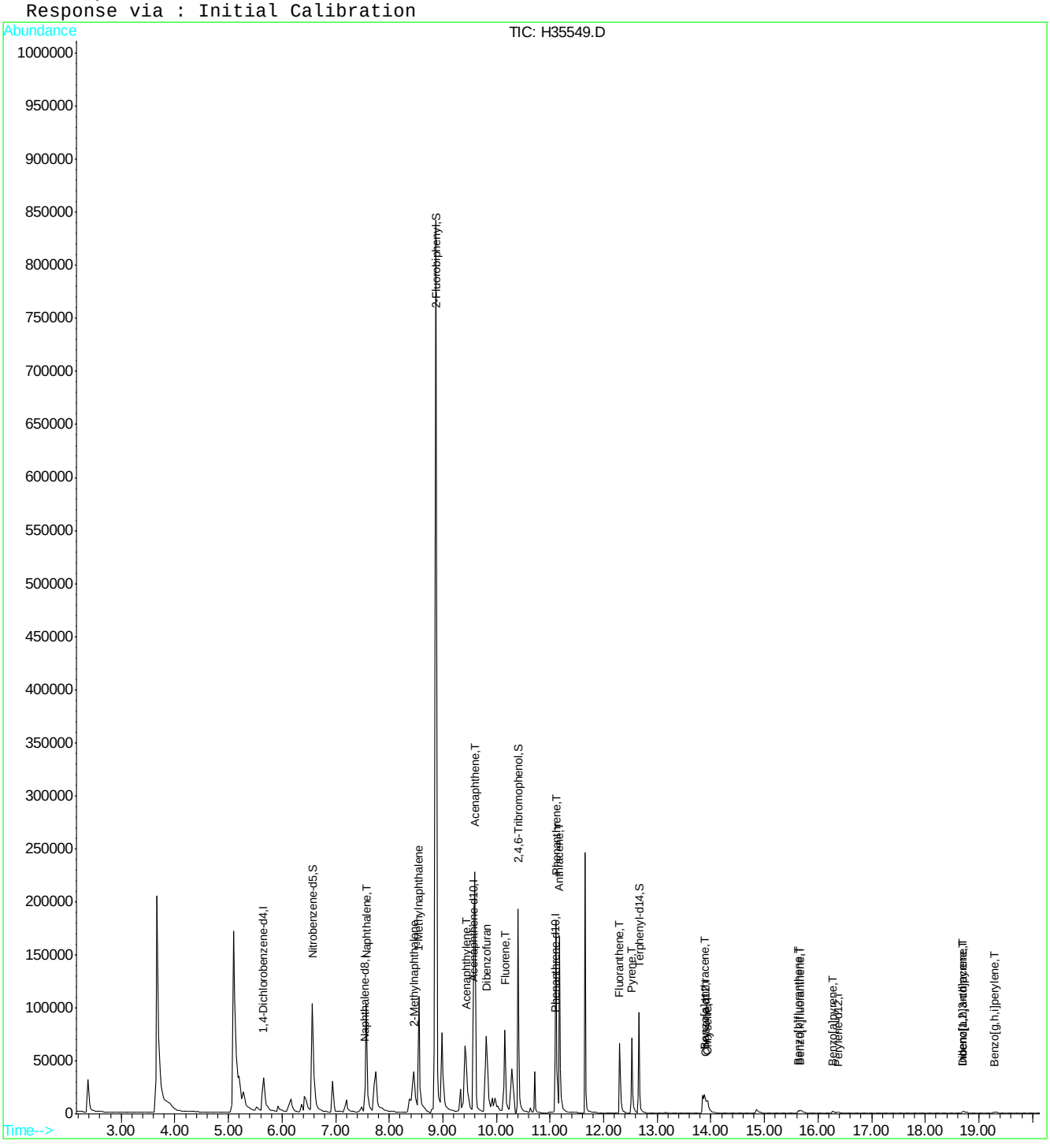
							Qvalue
6) Naphthalene	7.57	128	137653	11.22	ppb	#	87
7) 2-Methylnaphthalene	8.47	142	84125m	6.86	ppb		
8) 1-Methylnaphthalene	8.55	142	151263	9.38	ppb	#	71
11) Acenaphthylene	9.43	152	123370m	4.84	ppb		
12) Acenaphthene	9.60	153	150952	5.82	ppb		82
13) Dibenzofuran	9.81	168	114187	5.36	ppb		96
14) Fluorene	10.16	166	71146	6.00	ppb		97
18) Phenanthrene	11.11	178	175311	5.02	ppb		95
19) Anthracene	11.17	178	198487	5.49	ppb		98
20) Fluoranthene	12.29	202	105972	3.42	ppb	#	91
22) Pyrene	12.53	202	96067	9.95	ppb		97
24) Benzo[a]anthracene	13.88	228	15282	4.40	ppb		97
25) Chrysene	13.94	228	24825m	5.80	ppb		
27) Benzo[b]fluoranthene	15.64	252	5793m	4.49	ppb		
28) Benzo[k]fluoranthene	15.67	252	10801m	5.06	ppb		
29) Benzo[a]pyrene	16.28	252	7011	5.85	ppb		97
30) Indeno[1,2,3-cd]pyrene	18.70	276	5399	9.73	ppb		98
31) Dibenz[a,h]anthracene	18.70	278	3786	10.70	ppb		96
32) Benzo[g,h,i]perylene	19.29	276	4786	9.90	ppb		98

(#) = qualifier out of range (m) = manual integration
H35549.D H10269SP.M Tue Oct 27 14:26:14 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1919\H35549.D Vial: 7
Acq On : 22 Oct 2009 1:50 pm Operator: sheilac
Sample : ic1919-5 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 14:40 2009 Quant Results File: H10229SP.RES

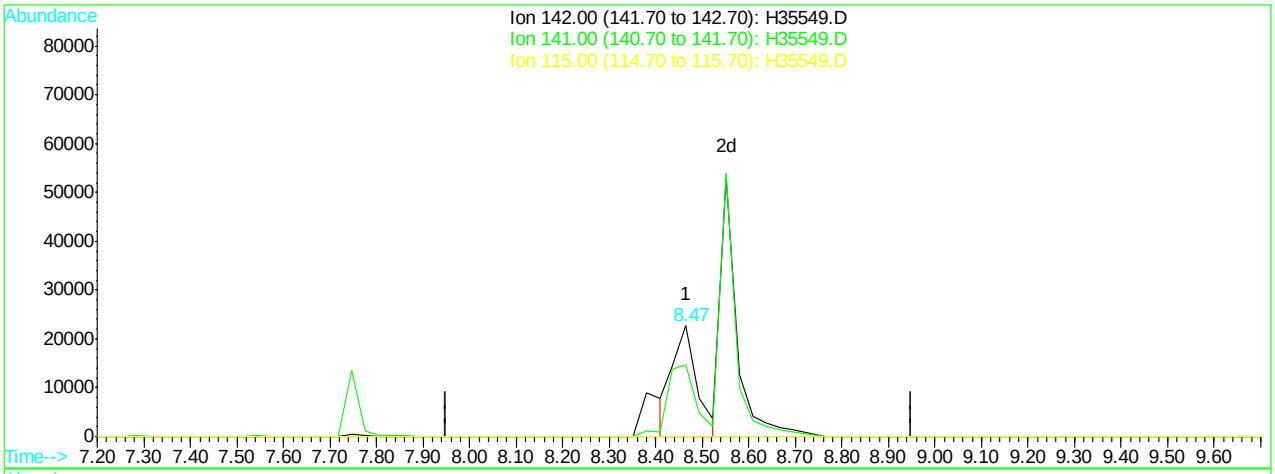
Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Initial Calibration

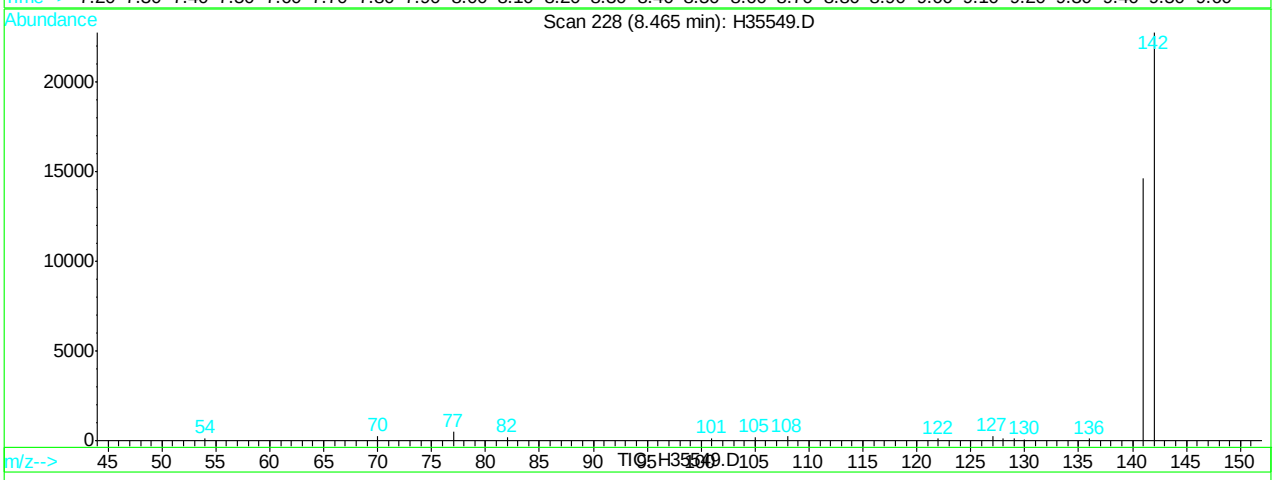


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35549.D Vial: 7
Acq On : 22 Oct 2009 1:50 pm Operator: sheilac
Sample : ic1919-5 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 14:40 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(7) 2-Methylnaphthalene

8.47min 6.86ppb m

response 84125

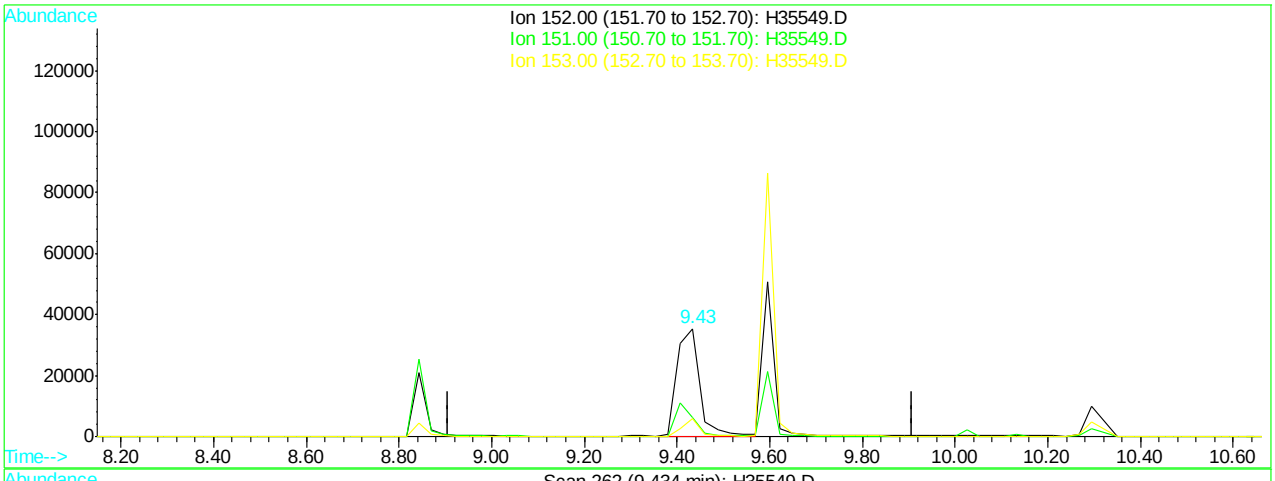
Ion	Exp%	Act%
142.00	100	100
141.00	72.40	71.54
115.00	0.00	0.00
0.00	0.00	0.00

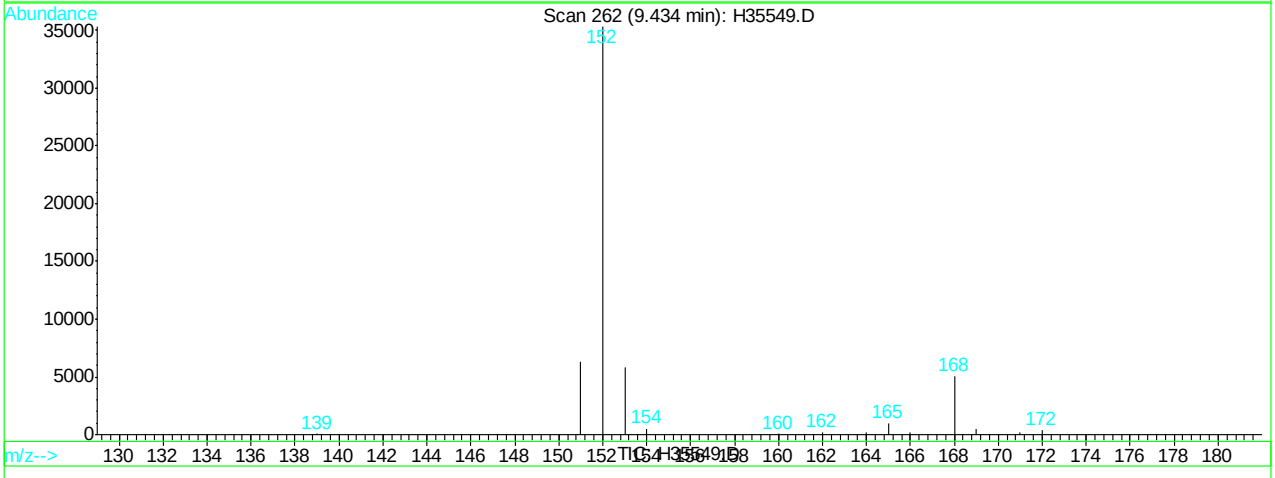
H35549.D H10269SP.M Tue Oct 27 14:26:35 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35549.D Vial: 7
Acq On : 22 Oct 2009 1:50 pm Operator: sheilac
Sample : ic1919-5 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 14:40 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(11) Acenaphthylene (T)

9.43min 4.84ppb m

response 123370

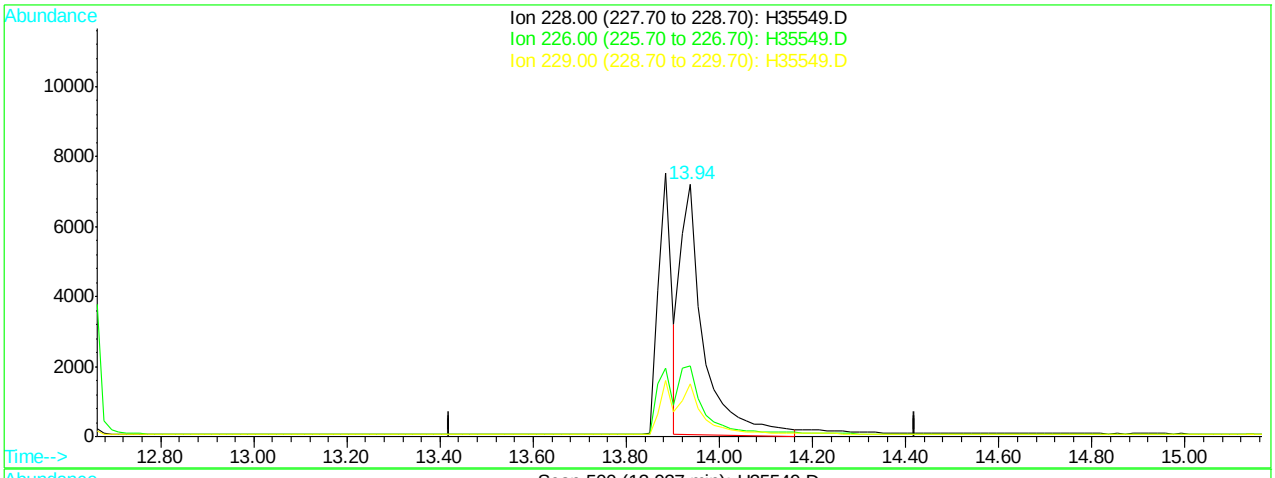
Ion	Exp%	Act%
152.00	100	100
151.00	29.50	17.76#
153.00	9.30	16.38#
0.00	0.00	0.00

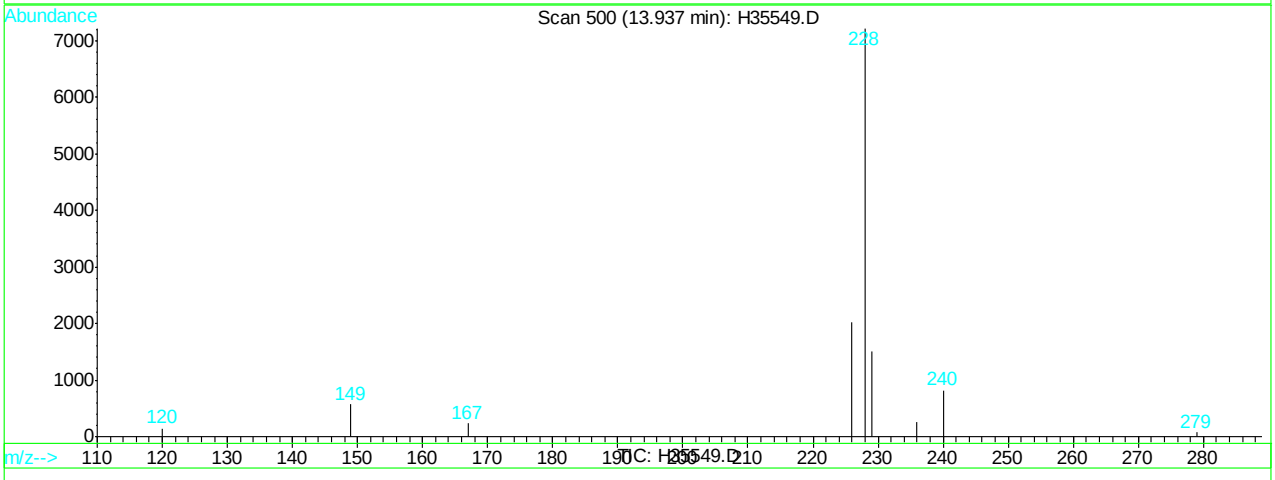
H35549.D H10269SP.M Tue Oct 27 14:26:39 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35549.D Vial: 7
Acq On : 22 Oct 2009 1:50 pm Operator: sheilac
Sample : ic1919-5 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 14:40 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(25) Chrysene (T)

13.94min 5.80ppb m

response 24825

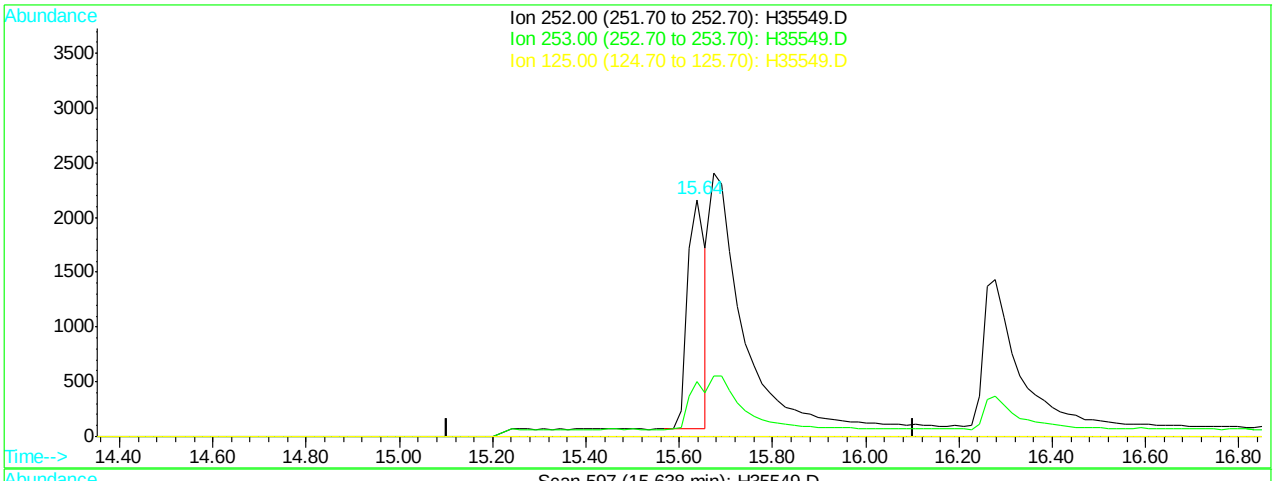
Ion	Exp%	Act%
228.00	100	100
226.00	28.00	27.99
229.00	20.90	20.93
0.00	0.00	0.00

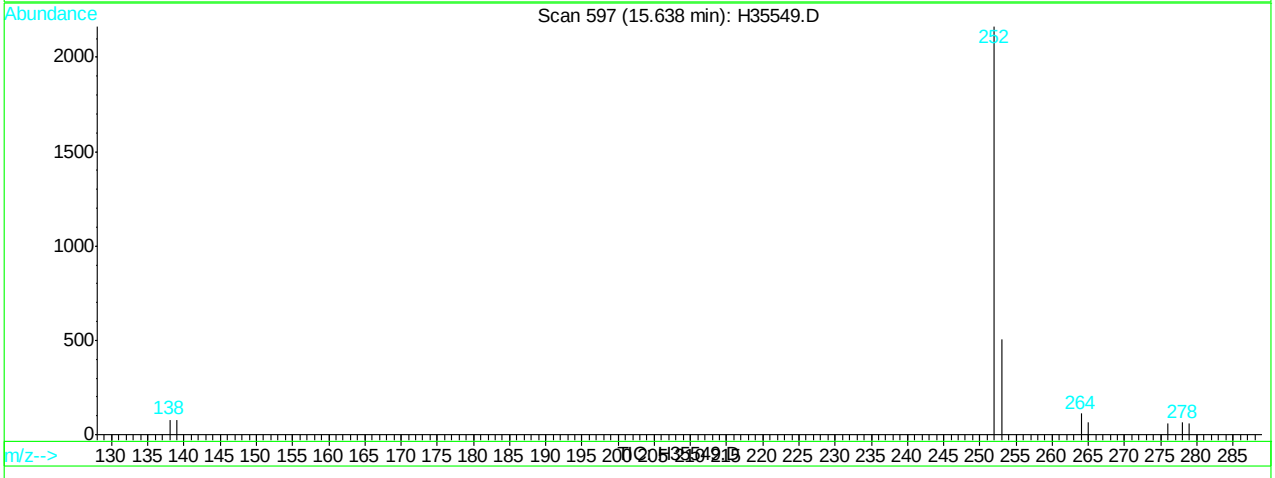
H35549.D H10269SP.M Tue Oct 27 14:26:44 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35549.D Vial: 7
Acq On : 22 Oct 2009 1:50 pm Operator: sheilac
Sample : ic1919-5 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 14:40 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(27) Benzo[b]fluoranthene (T)

15.64min 4.49ppb m

response 5793

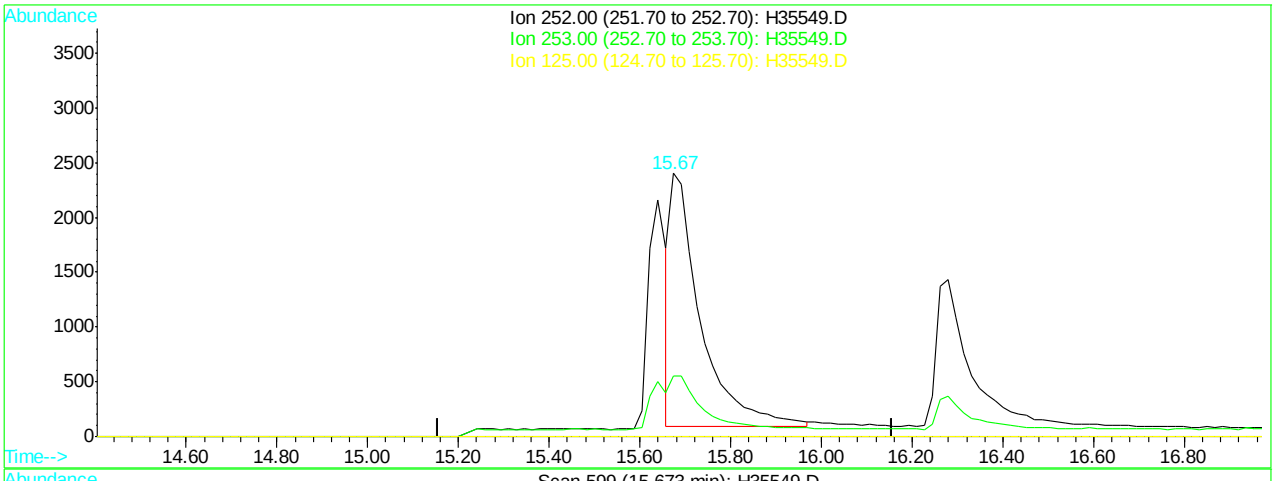
Ion	Exp%	Act%
252.00	100	100
253.00	21.60	23.44
125.00	0.00	0.00
0.00	0.00	0.00

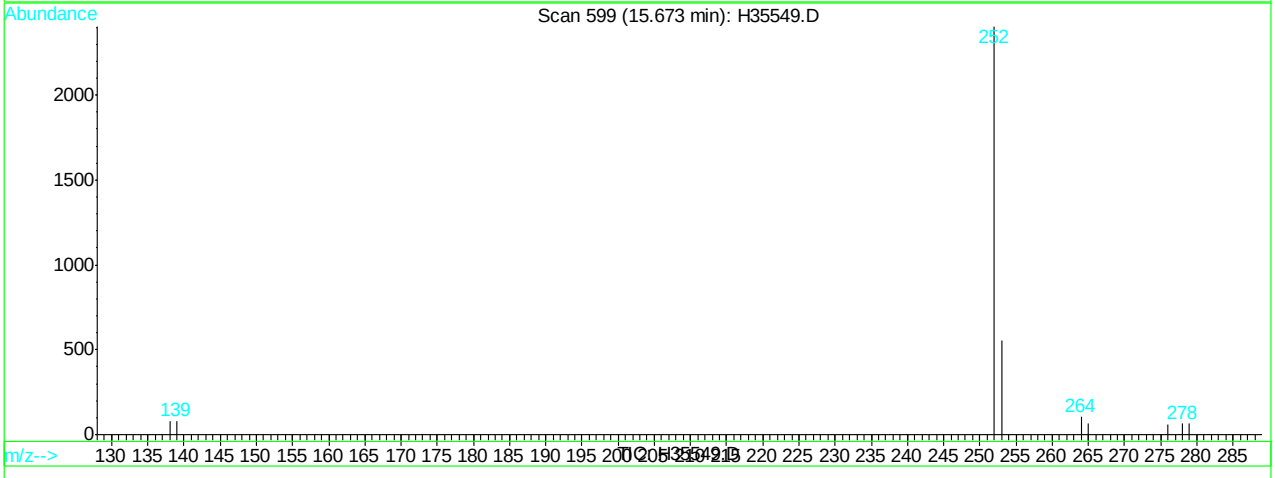
H35549.D H10269SP.M Tue Oct 27 14:26:47 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35549.D Vial: 7
Acq On : 22 Oct 2009 1:50 pm Operator: sheilac
Sample : ic1919-5 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 14:40 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.67min 5.06ppb m

response 10801

Ion	Exp%	Act%
252.00	100	100
253.00	21.80	23.00
125.00	0.00	0.00
0.00	0.00	0.00

H35549.D H10269SP.M Tue Oct 27 14:26:51 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez 10/27/09 17:03

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1919\H35550.D Vial: 8
Acq On : 22 Oct 2009 2:54 pm Operator: sheilac
Sample : icc1919-2.5 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 15:22 2009 Quant Results File: H10229SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 15:05:12 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.66	152	71352	4.00	ppb	0.00
4) Naphthalene-d8	7.57	136	45874	4.00	ppb	0.00
9) Acenaphthene-d10	9.57	164	47140	4.00	ppb	0.00
15) Phenanthrene-d10	11.09	188	61620	4.00	ppb	0.00
21) Chrysene-d12	13.90	240	12651	4.00	ppb	0.00
26) Perylene-d12	16.36	264	6928	4.00	ppb	0.00

System Monitoring Compounds

5) Nitrobenzene-d5	6.57	82	49457	14.80	ppb	0.00
Spiked Amount 5.000	Range 17 - 131		Recovery = 296.00%#			
10) 2-Fluorobiphenyl	8.87	172	510597	11.94	ppb	0.00
Spiked Amount 5.000	Range 15 - 137		Recovery = 238.80%#			
16) 2,4,6-Tribromophenol	10.40	330	62182	32.90	ppb	0.00
Spiked Amount 10.000	Range 10 - 123		Recovery = 329.00%#			
23) Terphenyl-d14	12.66	244	36529	11.59	ppb	0.00
Spiked Amount 5.000	Range 10 - 160		Recovery = 231.80%#			

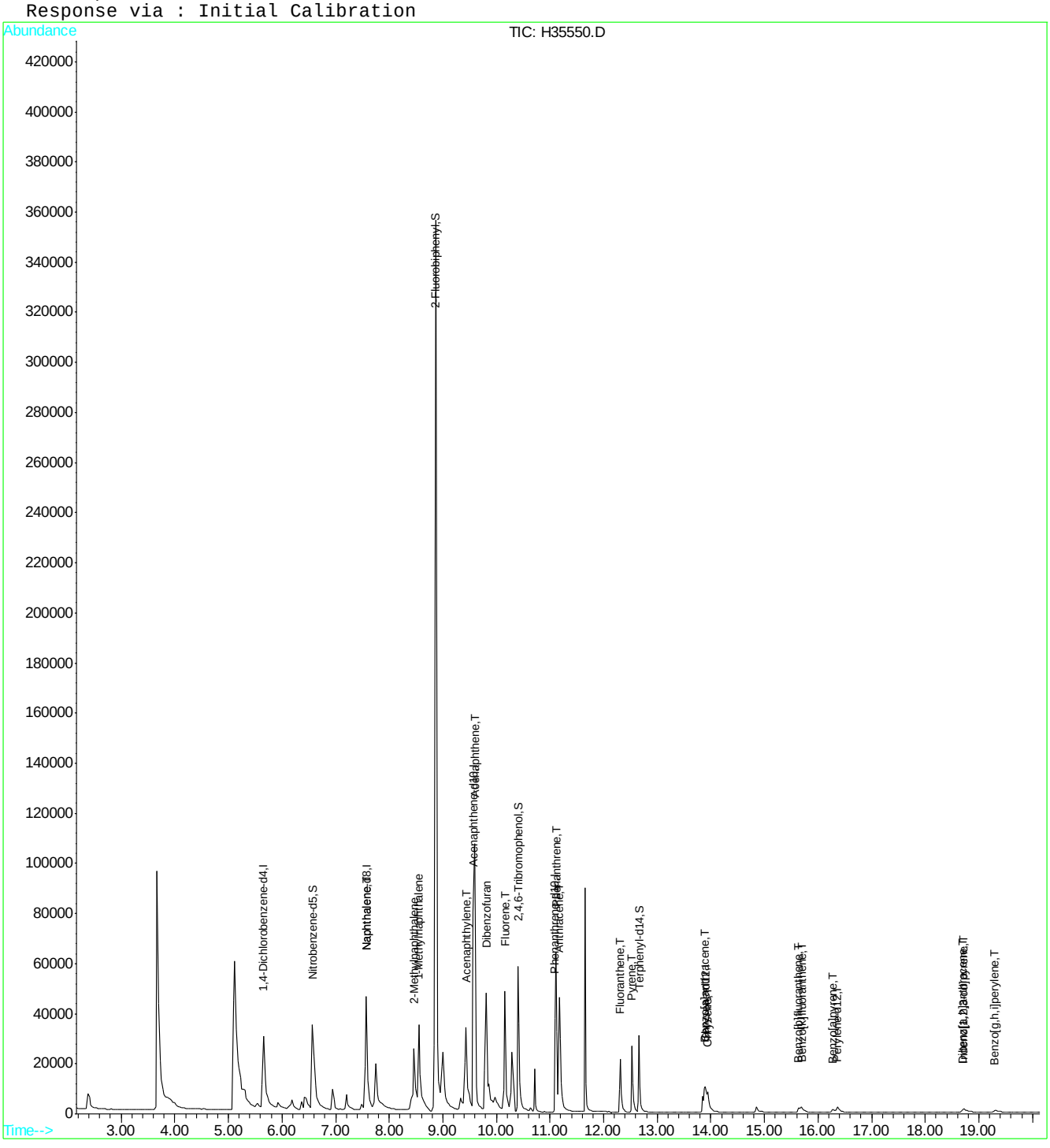
Target Compounds							Qvalue
6) Naphthalene	7.57	128	62581	2.64	ppb		95
7) 2-Methylnaphthalene	8.47	142	38783m	2.25	ppb		
8) 1-Methylnaphthalene	8.55	142	63127	2.43	ppb	#	53
11) Acenaphthylene	9.43	152	57505	1.85	ppb		98
12) Acenaphthene	9.60	153	71900	2.54	ppb		86
13) Dibenzofuran	9.81	168	79168	2.45	ppb		90
14) Fluorene	10.16	166	43085	2.35	ppb		100
18) Phenanthrene	11.11	178	69637	2.40	ppb		98
19) Anthracene	11.17	178	81751	2.44	ppb		99
20) Fluoranthene	12.31	202	40916	2.53	ppb		99
22) Pyrene	12.53	202	45573	2.18	ppb		98
24) Benzo[a]anthracene	13.88	228	10119m	2.36	ppb		
25) Chrysene	13.94	228	12866m	2.04	ppb		
27) Benzo[b]fluoranthene	15.64	252	3969m	1.56	ppb		
28) Benzo[k]fluoranthene	15.69	252	8833m	2.60	ppb		
29) Benzo[a]pyrene	16.28	252	5774	2.49	ppb		97
30) Indeno[1,2,3-cd]pyrene	18.72	276	4712	3.55	ppb		88
31) Dibenz[a,h]anthracene	18.70	278	3236	2.97	ppb		96
32) Benzo[g,h,i]perylene	19.29	276	4243	3.31	ppb		96

(#) = qualifier out of range (m) = manual integration
H35550.D H10269SP.M Tue Oct 27 14:26:57 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1919\H35550.D Vial: 8
Acq On : 22 Oct 2009 2:54 pm Operator: sheilac
Sample : icc1919-2.5 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 15:22 2009 Quant Results File: H10229SP.RES

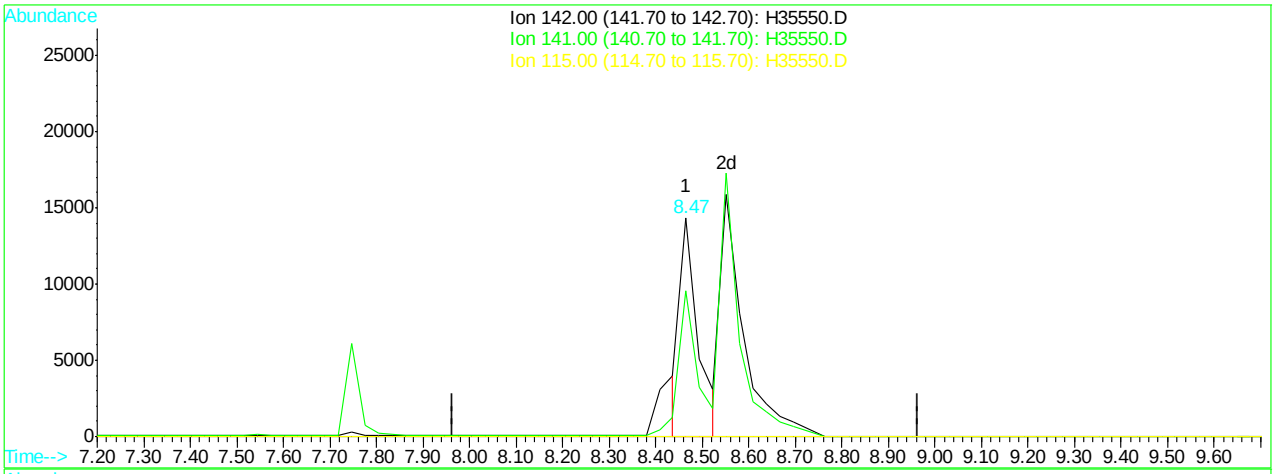
Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Initial Calibration

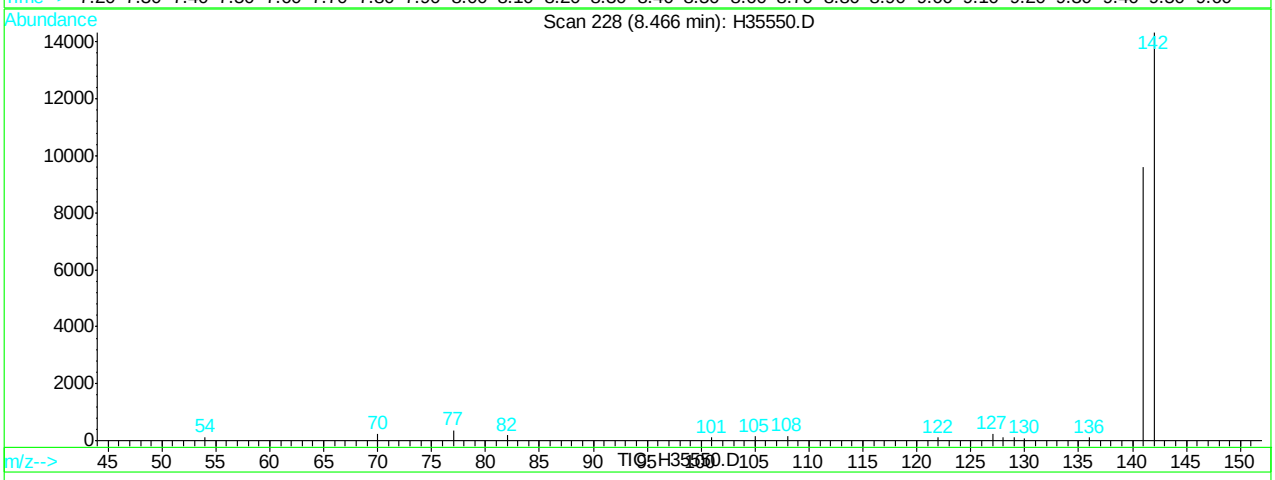


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35550.D Vial: 8
Acq On : 22 Oct 2009 2:54 pm Operator: sheilac
Sample : icc1919-2.5 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 15:22 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(7) 2-Methylnaphthalene

8.47min 2.25ppb m

response 38783

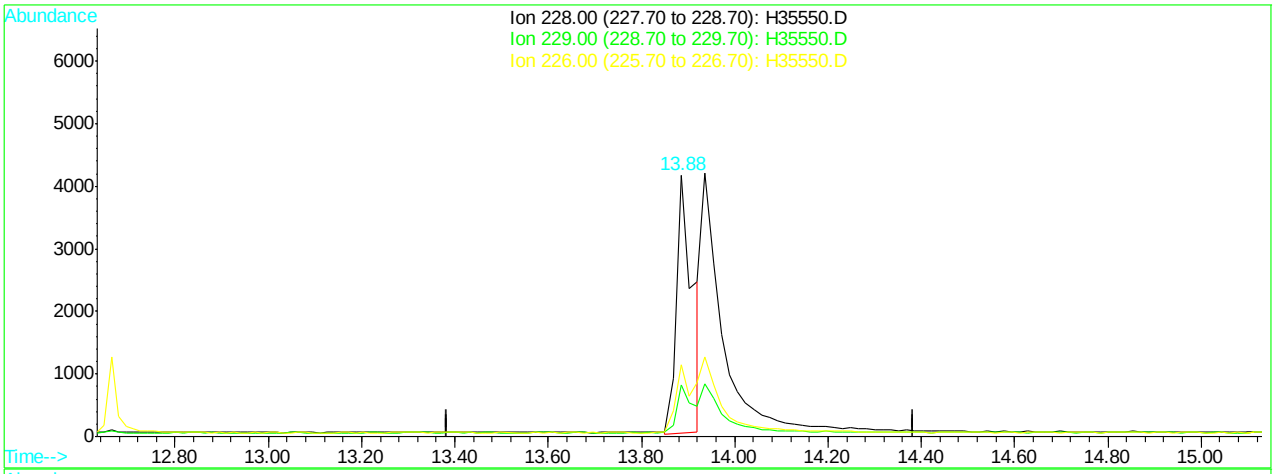
Ion	Exp%	Act%
142.00	100	100
141.00	53.70	0.00#
115.00	0.00	0.00
0.00	0.00	0.00

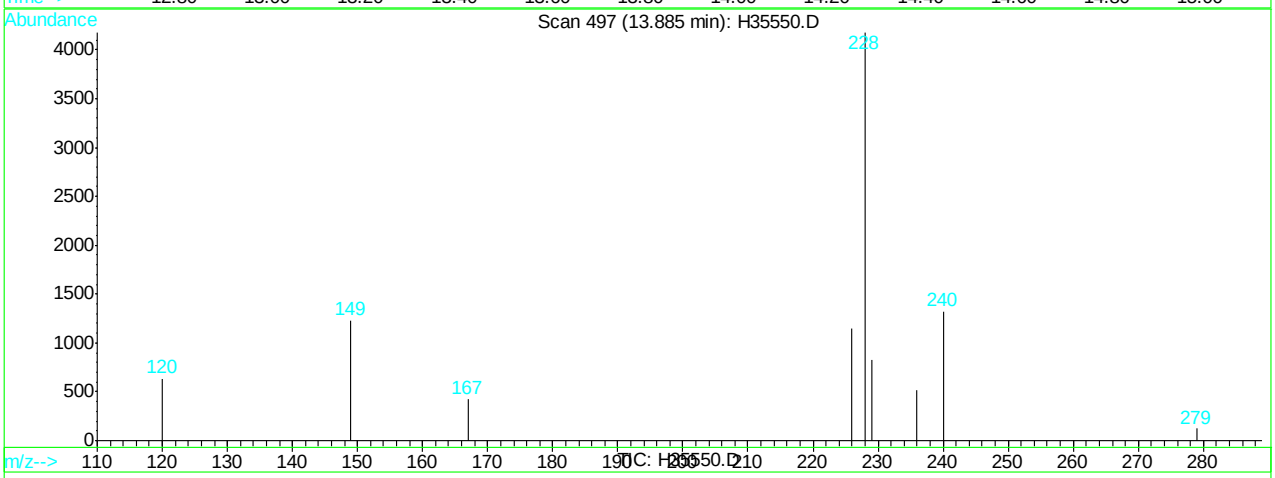
H35550.D H10269SP.M Tue Oct 27 14:27:17 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35550.D Vial: 8
Acq On : 22 Oct 2009 2:54 pm Operator: sheilac
Sample : icc1919-2.5 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 15:22 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(24) Benzo[a]anthracene (T)

13.88min 2.36ppb m

response 10119

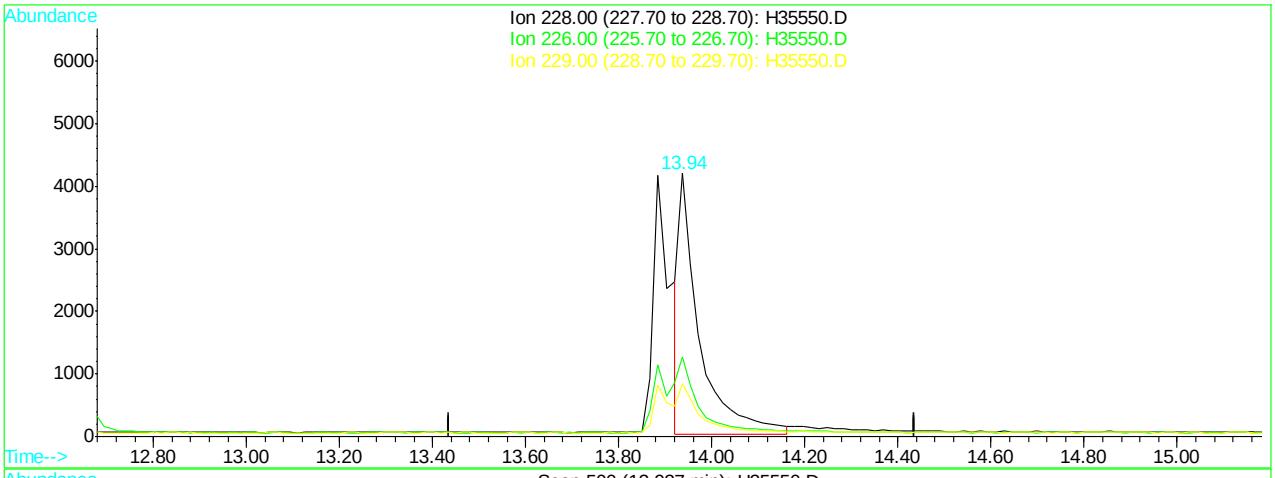
Ion	Exp%	Act%
228.00	100	100
229.00	19.00	19.80
226.00	28.70	27.44
0.00	0.00	0.00

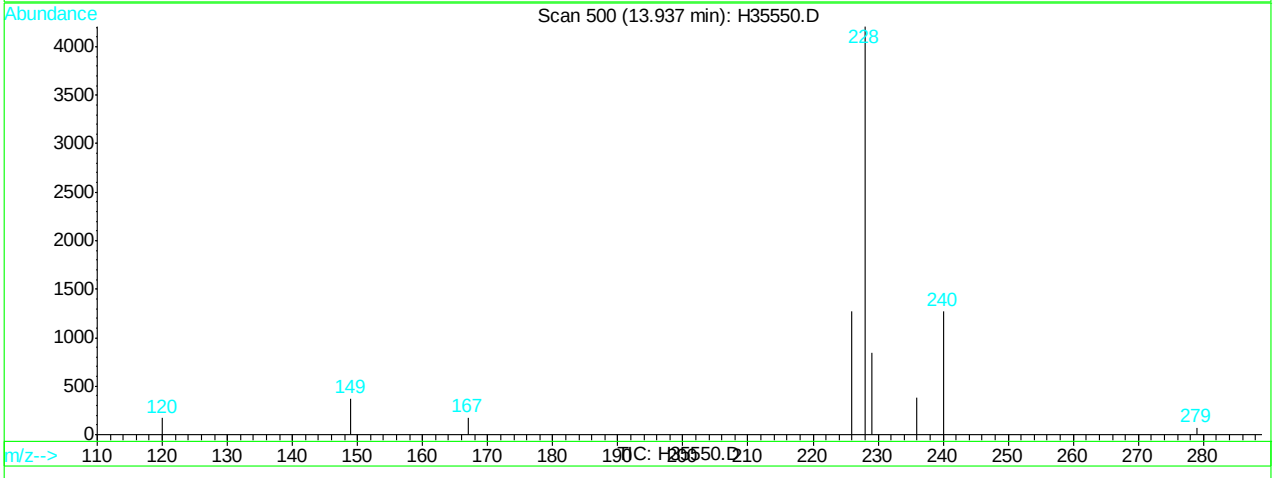
H35550.D H10269SP.M Tue Oct 27 14:27:22 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35550.D Vial: 8
Acq On : 22 Oct 2009 2:54 pm Operator: sheilac
Sample : icc1919-2.5 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 15:22 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(25) Chrysene (T)

13.94min 2.04ppb m

response 12866

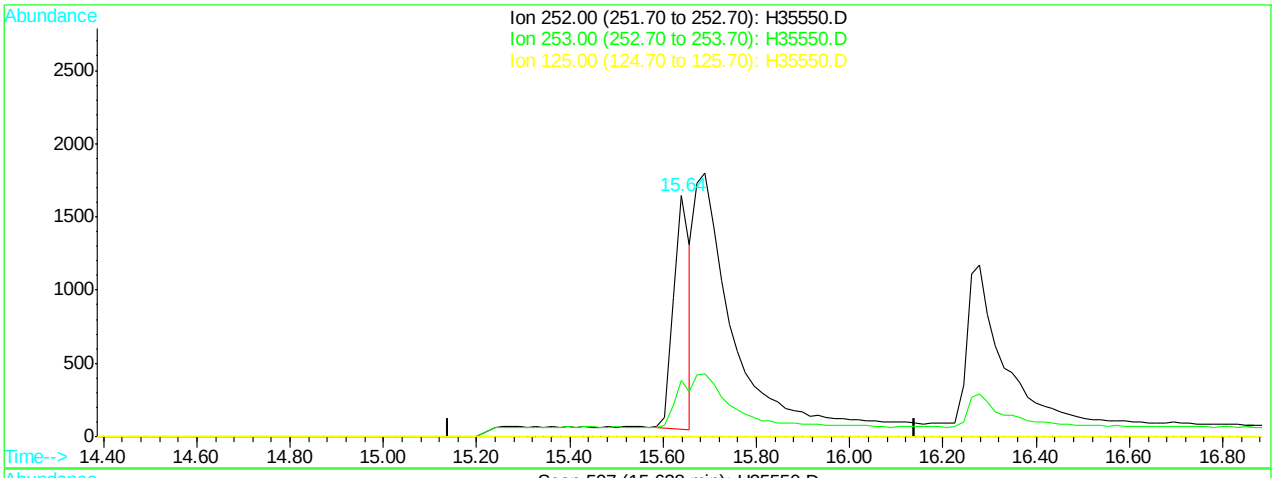
Ion	Exp%	Act%
228.00	100	100
226.00	29.20	30.09
229.00	18.40	20.16
0.00	0.00	0.00

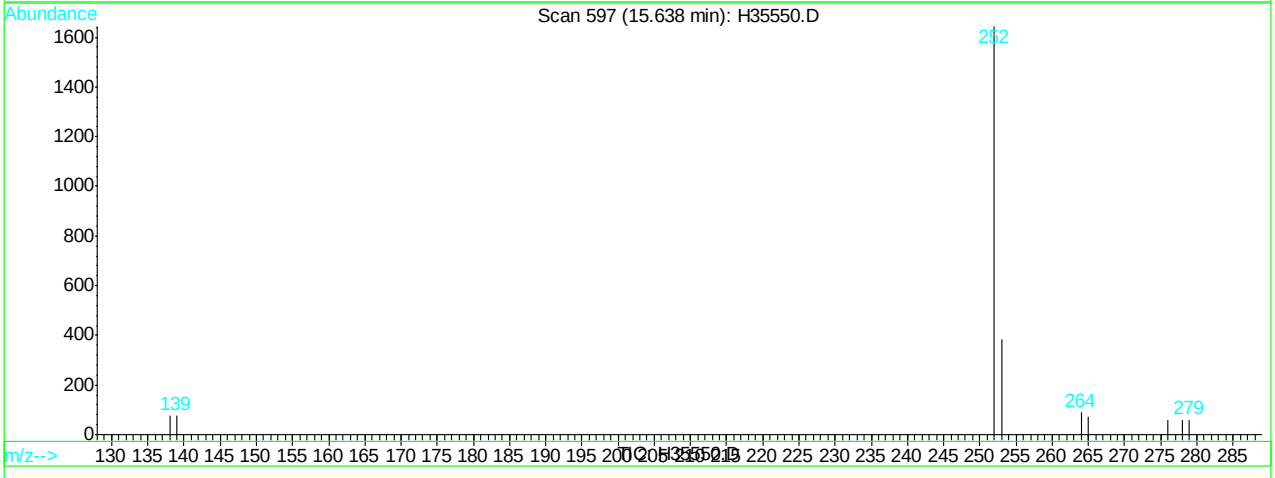
H35550.D H10269SP.M Tue Oct 27 14:27:25 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35550.D Vial: 8
Acq On : 22 Oct 2009 2:54 pm Operator: sheilac
Sample : icc1919-2.5 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 15:22 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(27) Benzo[b]fluoranthene (T)

15.64min 1.56ppb m

response 3969

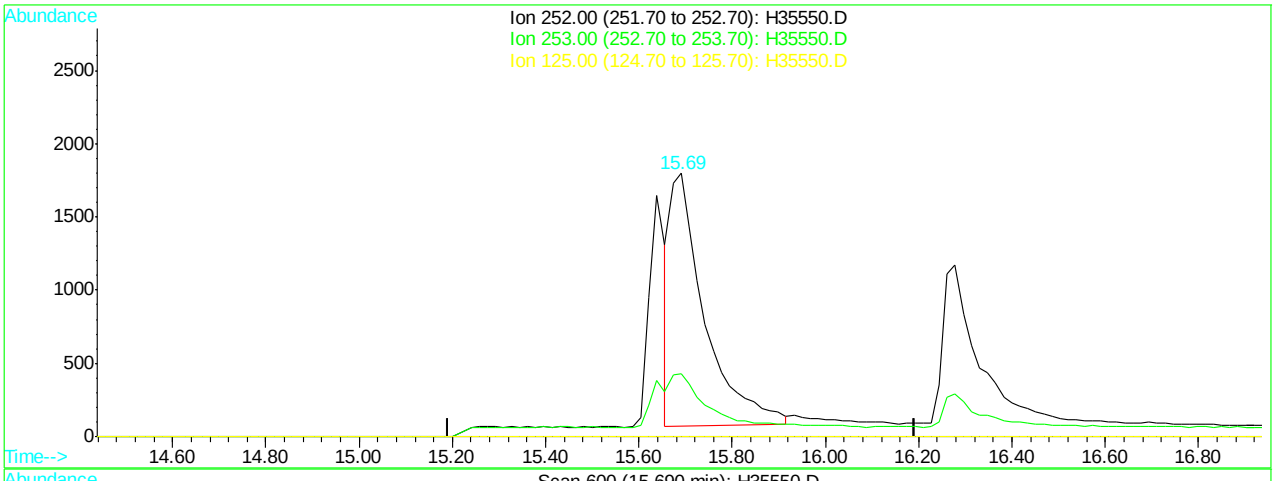
Ion	Exp%	Act%
252.00	100	100
253.00	26.80	23.49
125.00	0.00	0.00
0.00	0.00	0.00

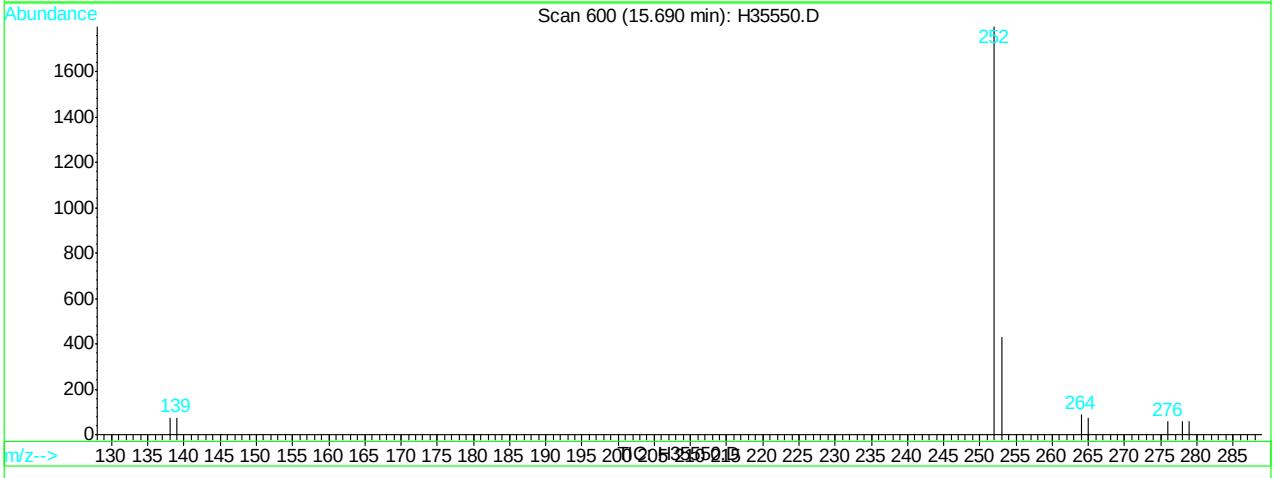
H35550.D H10269SP.M Tue Oct 27 14:27:28 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35550.D Vial: 8
Acq On : 22 Oct 2009 2:54 pm Operator: sheilac
Sample : icc1919-2.5 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 15:22 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.69min 2.60ppb m

response 8833

Ion	Exp%	Act%
252.00	100	100
253.00	26.80	23.97
125.00	0.00	0.00
0.00	0.00	0.00

H35550.D H10269SP.M Tue Oct 27 14:27:31 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/27/09 17:03

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1919\H35551.D Vial: 9
Acq On : 22 Oct 2009 3:18 pm Operator: sheilac
Sample : icv1919-2.5 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 16:15 2009 Quant Results File: H10229SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 16:12:53 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.66	152	99212	4.00	ppb	0.00
4) Naphthalene-d8	7.54	136	73811	4.00	ppb	-0.03
9) Acenaphthene-d10	9.57	164	64543	4.00	ppb	0.00
15) Phenanthrene-d10	11.09	188	80009	4.00	ppb	0.00
21) Chrysene-d12	13.90	240	11558	4.00	ppb	0.00
26) Perylene-d12	16.37	264	5101	4.00	ppb	0.00

System Monitoring Compounds

5) Nitrobenzene-d5	0.00	82	0d	0.00	ppb	
Spiked Amount 5.000	Range 17 - 131		Recovery	=	0.00%#	
10) 2-Fluorobiphenyl	0.00	172	0d	0.00	ppb	
Spiked Amount 5.000	Range 15 - 137		Recovery	=	0.00%#	
16) 2,4,6-Tribromophenol	0.00	330	0d	0.00	ppb	
Spiked Amount 10.000	Range 10 - 123		Recovery	=	0.00%#	
23) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 5.000	Range 10 - 160		Recovery	=	0.00%#	

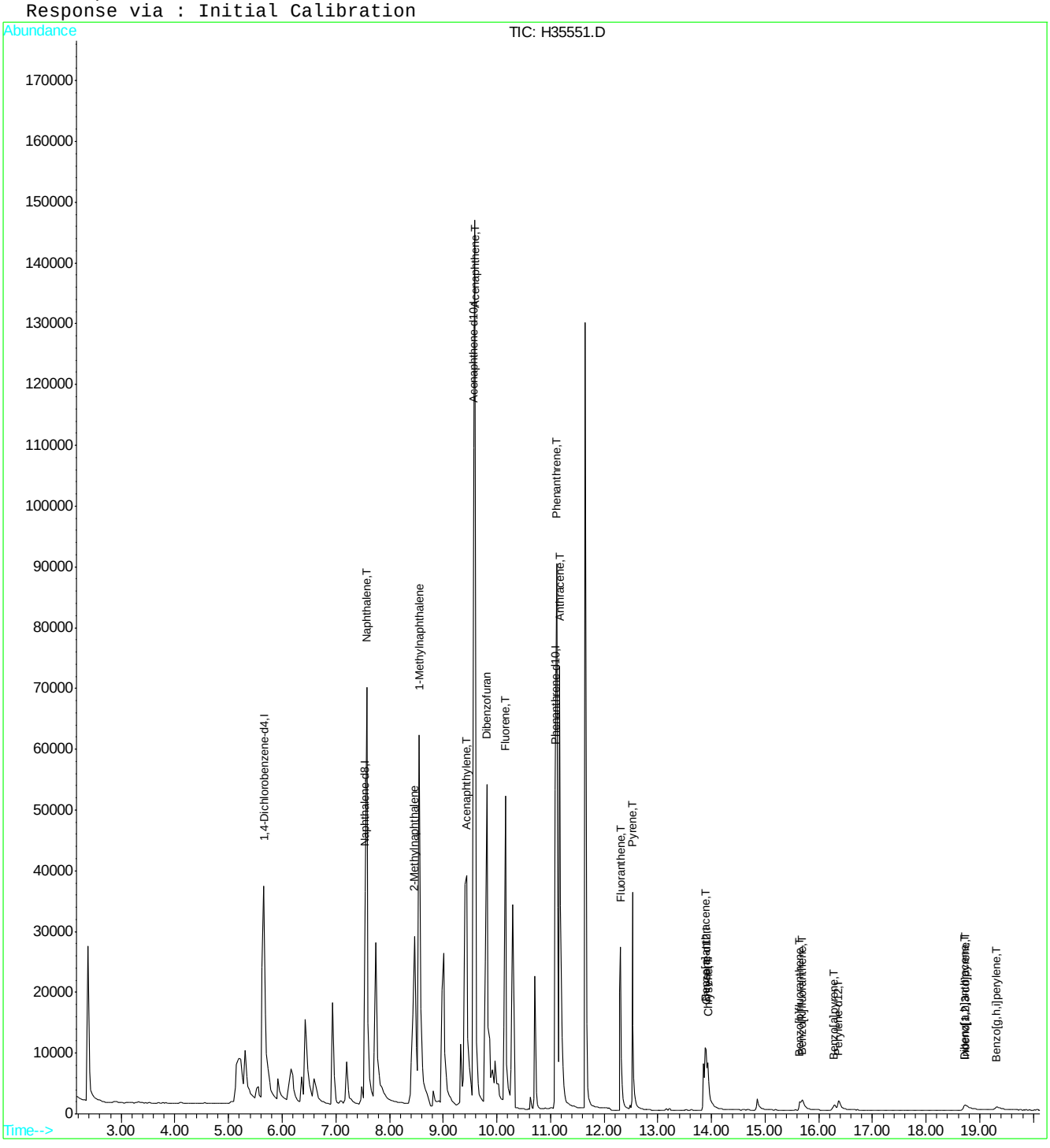
Target Compounds							Qvalue
6) Naphthalene	7.57	128	93243	2.46	ppb		97
7) 2-Methylnaphthalene	8.47	142	65317	2.61	ppb	#	100
8) 1-Methylnaphthalene	8.55	142	92066	2.21	ppb	#	97
11) Acenaphthylene	9.43	152	79668	2.33	ppb		99
12) Acenaphthene	9.60	153	96689	2.50	ppb		97
13) Dibenzofuran	9.81	168	85948	1.83	ppb		85
14) Fluorene	10.16	166	46800	2.01	ppb		98
18) Phenanthrene	11.11	178	91492	2.43	ppb		98
19) Anthracene	11.17	178	108418	2.49	ppb		95
20) Fluoranthene	12.31	202	56066	2.61	ppb		100
22) Pyrene	12.53	202	57256	2.86	ppb		95
24) Benzo[a]anthracene	13.89	228	7665	2.45	ppb		99
25) Chrysene	13.94	228	14115m	2.74	ppb		
27) Benzo[b]fluoranthene	15.64	252	2670m	2.08	ppb		
28) Benzo[k]fluoranthene	15.69	252	7773m	2.77	ppb		
29) Benzo[a]pyrene	16.28	252	4273	2.36	ppb		98
30) Indeno[1,2,3-cd]pyrene	18.74	276	3128	2.21	ppb		95
31) Dibenz[a,h]anthracene	18.72	278	2121	2.16	ppb		89
32) Benzo[g,h,i]perylene	19.31	276	2835	2.19	ppb		100

(#) = qualifier out of range (m) = manual integration
H35551.D H10269SP.M Tue Oct 27 14:27:41 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1919\H35551.D Vial: 9
Acq On : 22 Oct 2009 3:18 pm Operator: sheilac
Sample : icv1919-2.5 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 16:15 2009 Quant Results File: H10229SP.RES

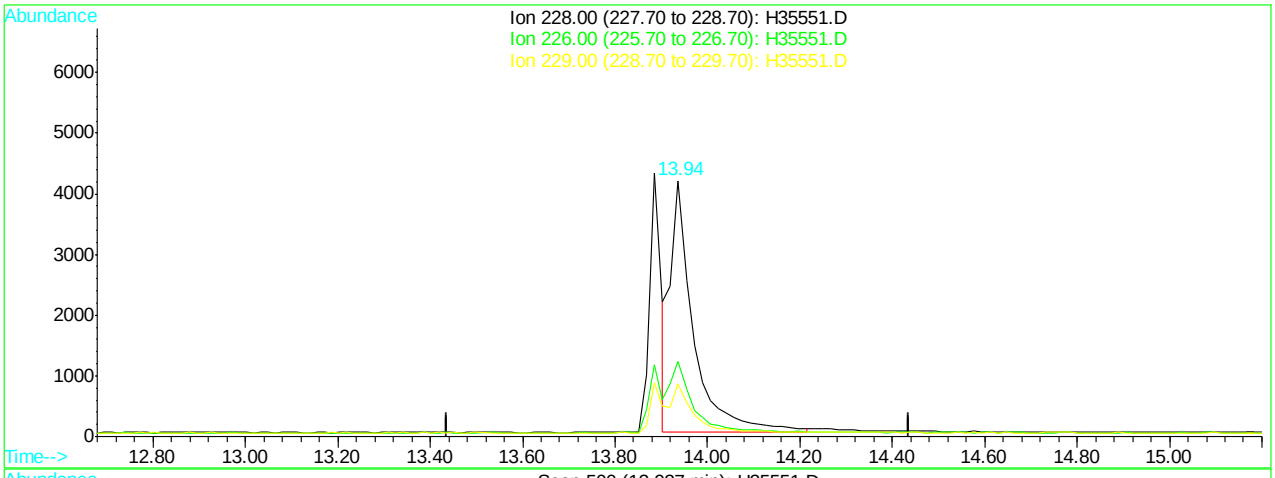
Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Initial Calibration

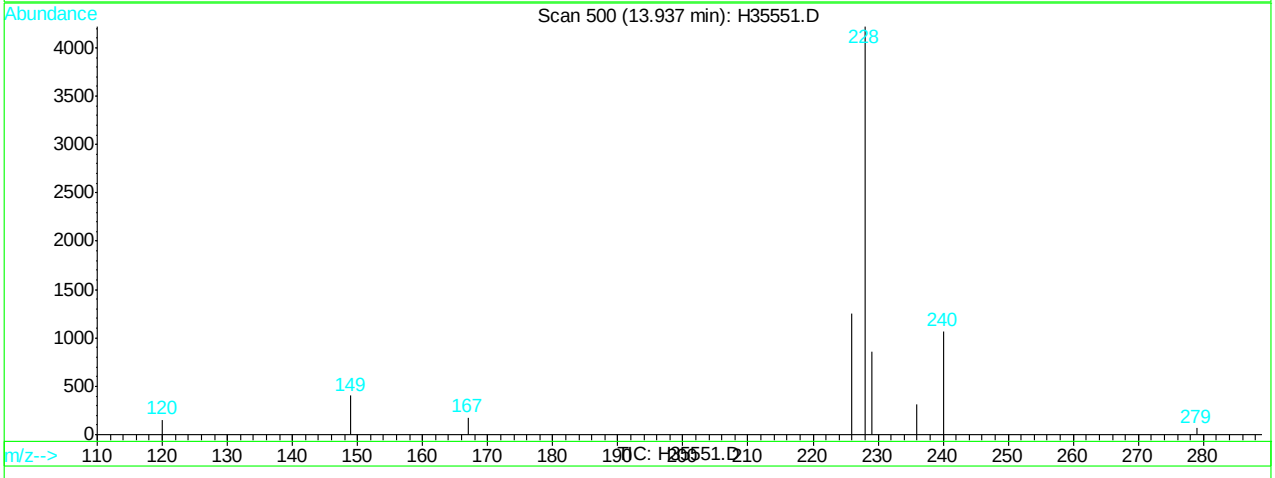


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35551.D Vial: 9
Acq On : 22 Oct 2009 3:18 pm Operator: sheilac
Sample : icv1919-2.5 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 16:15 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(25) Chrysene (T)

13.94min 2.74ppb m

response 14115

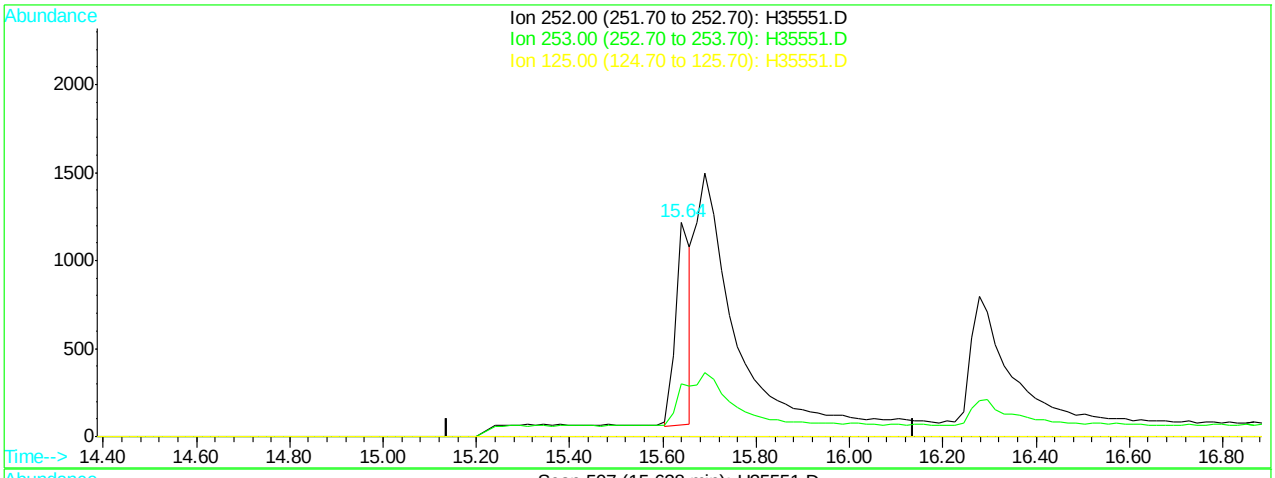
Ion	Exp%	Act%
228.00	100	100
226.00	30.10	29.56
229.00	20.20	20.38
0.00	0.00	0.00

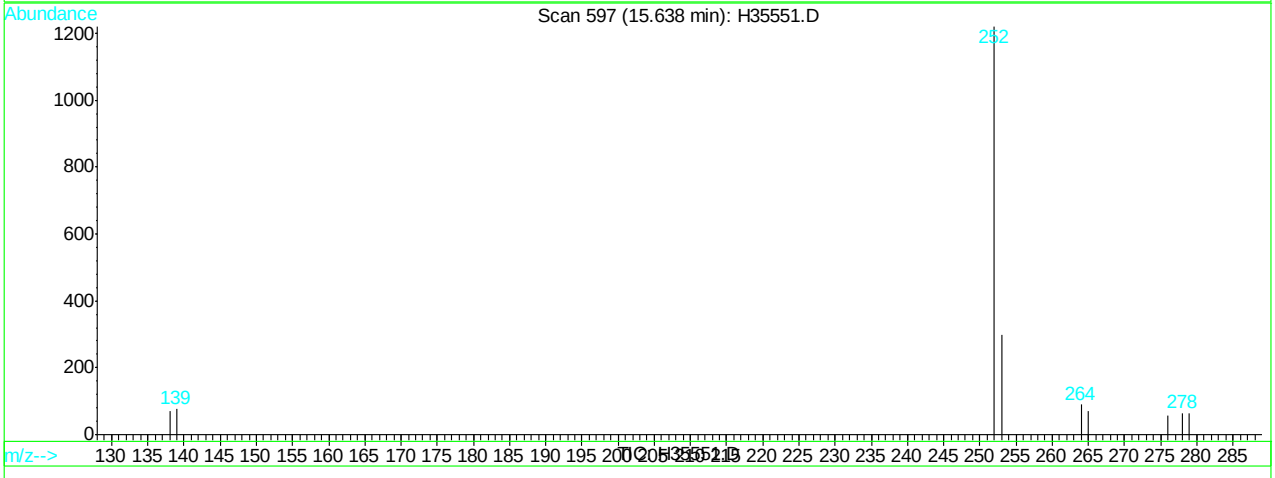
H35551.D H10269SP.M Tue Oct 27 14:28:06 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35551.D Vial: 9
Acq On : 22 Oct 2009 3:18 pm Operator: sheilac
Sample : icv1919-2.5 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 16:15 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(27) Benzo[b]fluoranthene (T)

15.64min 2.08ppb m

response 2670

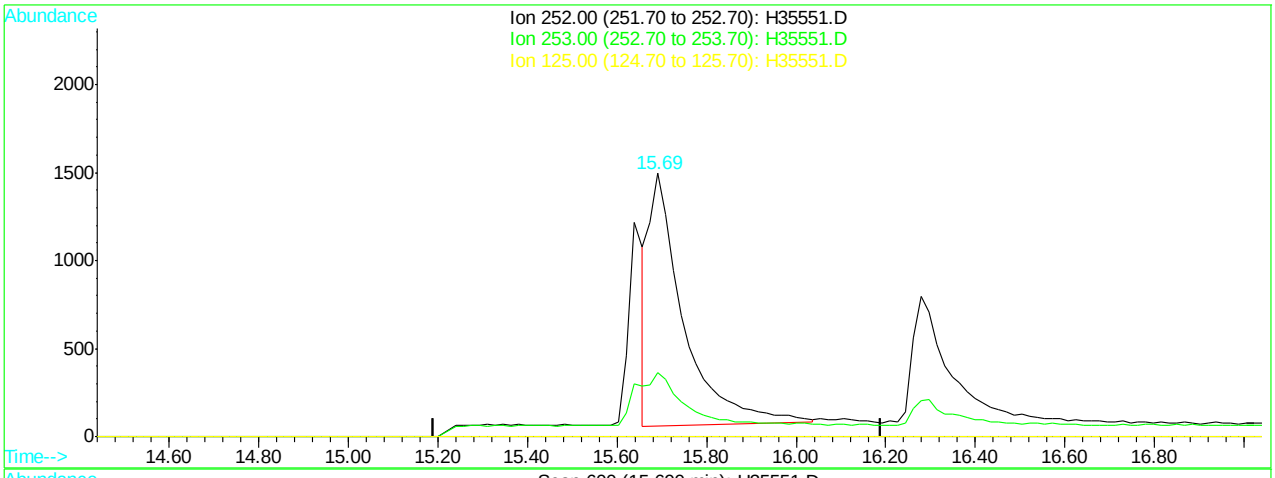
Ion	Exp%	Act%
252.00	100	100
253.00	23.50	24.34
125.00	0.00	0.00
0.00	0.00	0.00

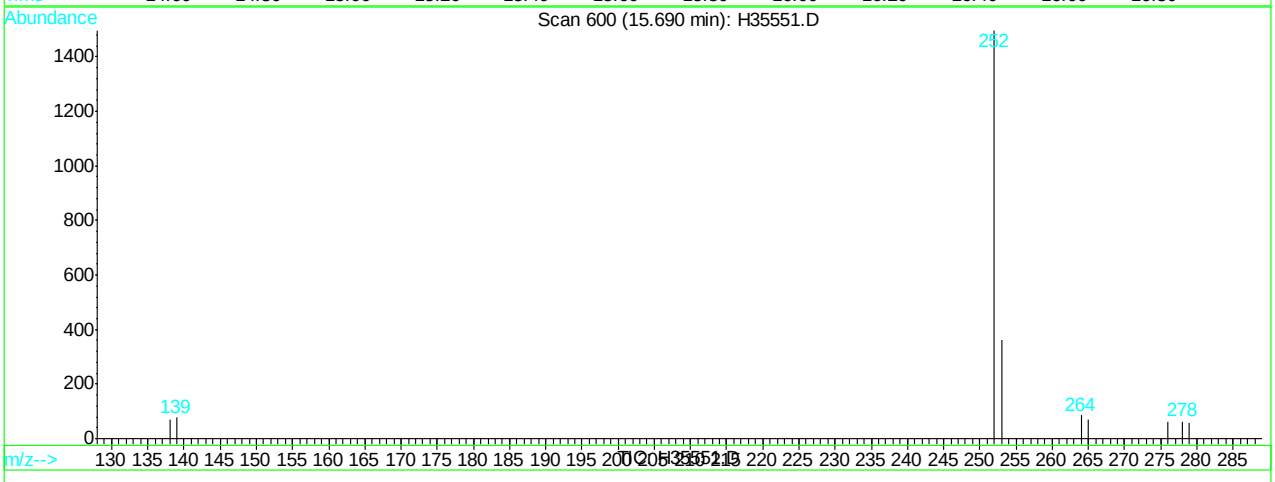
H35551.D H10269SP.M Tue Oct 27 14:28:09 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1919\H35551.D Vial: 9
Acq On : 22 Oct 2009 3:18 pm Operator: sheilac
Sample : icv1919-2.5 Inst : TXMSH
Misc : OP12779,EH1919,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 16:15 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.69min 2.77ppb m

response 7773

Ion	Exp%	Act%
252.00	100	100
253.00	24.00	24.13
125.00	0.00	0.00
0.00	0.00	0.00

H35551.D H10269SP.M Tue Oct 27 14:28:13 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/27/09 17:13

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1920\H35580.D Vial: 2
Acq On : 23 Oct 2009 11:13 am Operator: sheilac
Sample : icc1920-2.5 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:56 2009 Quant Results File: H10239SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Fri Oct 23 13:53:41 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.63	152	99258	4.00	ppb	-0.03
4) Naphthalene-d8	7.54	136	92355	4.00	ppb	-0.03
9) Acenaphthene-d10	9.57	164	65780	4.00	ppb	0.00
15) Phenanthrene-d10	11.09	188	81086	4.00	ppb	0.00
21) Chrysene-d12	13.90	240	9097	4.00	ppb	0.00
26) Perylene-d12	16.38	264	4085	4.00	ppb	0.02

System Monitoring Compounds

5) Nitrobenzene-d5	6.57	82	50484	9.59	ppb	0.00
Spiked Amount 5.000	Range 17 - 131		Recovery = 191.80%#			
10) 2-Fluorobiphenyl	8.87	172	386313	7.37	ppb	0.00
Spiked Amount 5.000	Range 15 - 137		Recovery = 147.40%#			
16) 2,4,6-Tribromophenol	10.40	330	75337	30.34	ppb	0.00
Spiked Amount 10.000	Range 10 - 123		Recovery = 303.40%#			
23) Terphenyl-d14	12.66	244	31134	13.51	ppb	0.00
Spiked Amount 5.000	Range 10 - 160		Recovery = 270.20%#			

Target Compounds

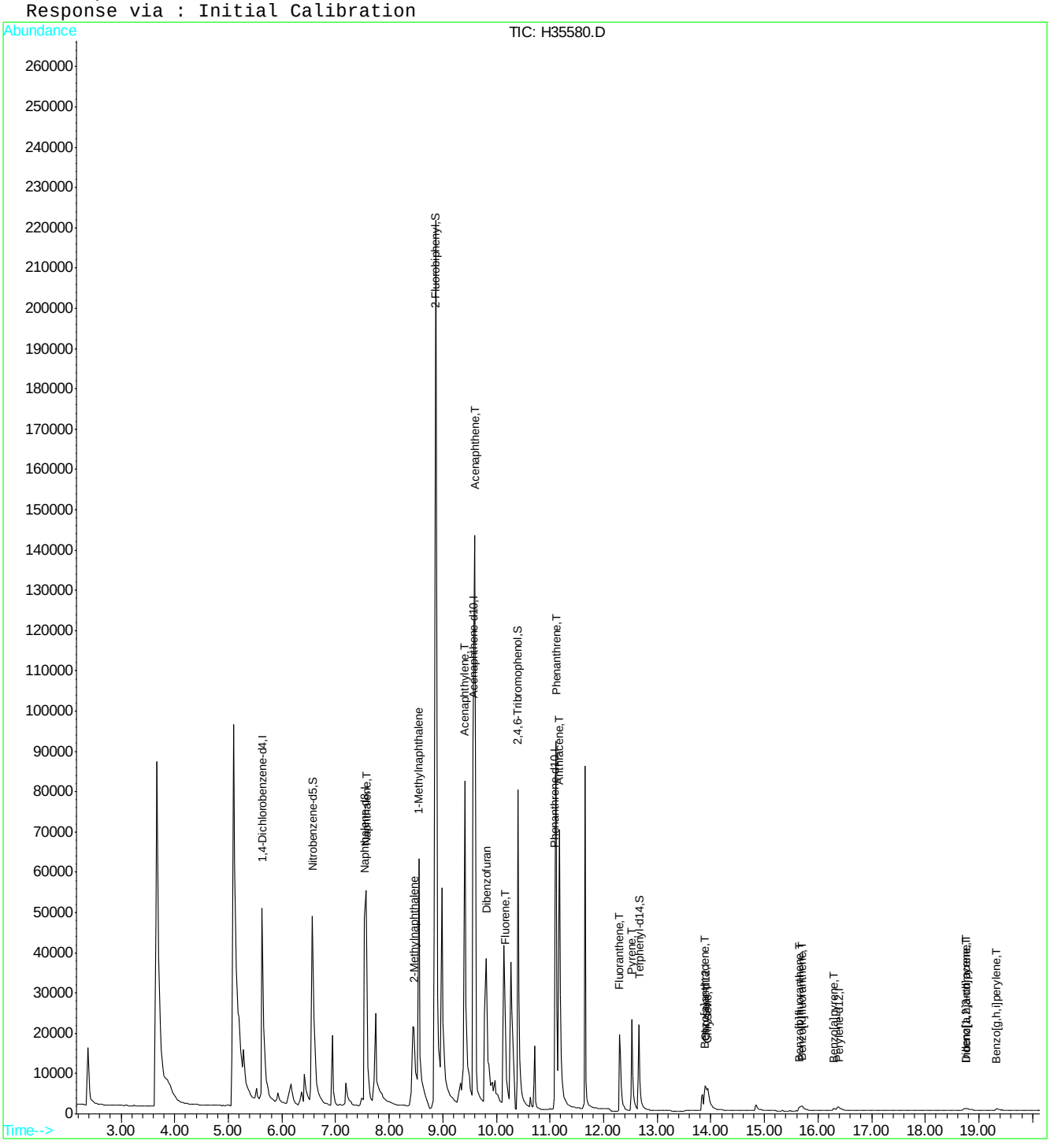
							Qvalue
6) Naphthalene	7.57	128	77225	1.84	ppb		91
7) 2-Methylnaphthalene	8.46	142	55399m	2.06	ppb		
8) 1-Methylnaphthalene	8.55	142	95129m	2.14	ppb		
11) Acenaphthylene	9.41	152	120792	2.65	ppb	#	86
12) Acenaphthene	9.60	153	93555	2.41	ppb	#	69
13) Dibenzofuran	9.81	168	74971	1.72	ppb		92
14) Fluorene	10.16	166	45723	1.87	ppb		96
18) Phenanthrene	11.11	178	91764	2.42	ppb		90
19) Anthracene	11.17	178	107144	2.50	ppb		91
20) Fluoranthene	12.29	202	41857	2.06	ppb	#	92
22) Pyrene	12.53	202	42511	2.80	ppb		95
24) Benzo[a]anthracene	13.89	228	6035m	2.51	ppb		
25) Chrysene	13.94	228	9685m	2.37	ppb		
27) Benzo[b]fluoranthene	15.66	252	2430m	2.40	ppb		
28) Benzo[k]fluoranthene	15.69	252	5439m	2.97	ppb		
29) Benzo[a]pyrene	16.30	252	3394	2.50	ppb		99
30) Indeno[1,2,3-cd]pyrene	18.75	276	2421	2.83	ppb		89
31) Dibenz[a,h]anthracene	18.75	278	1745	2.54	ppb	#	91
32) Benzo[g,h,i]perylene	19.32	276	2249	2.76	ppb		89

(#) = qualifier out of range (m) = manual integration
H35580.D H10239SP.M Tue Oct 27 15:17:04 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1920\H35580.D Vial: 2
Acq On : 23 Oct 2009 11:13 am Operator: sheilac
Sample : icc1920-2.5 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:56 2009 Quant Results File: H10239SP.RES

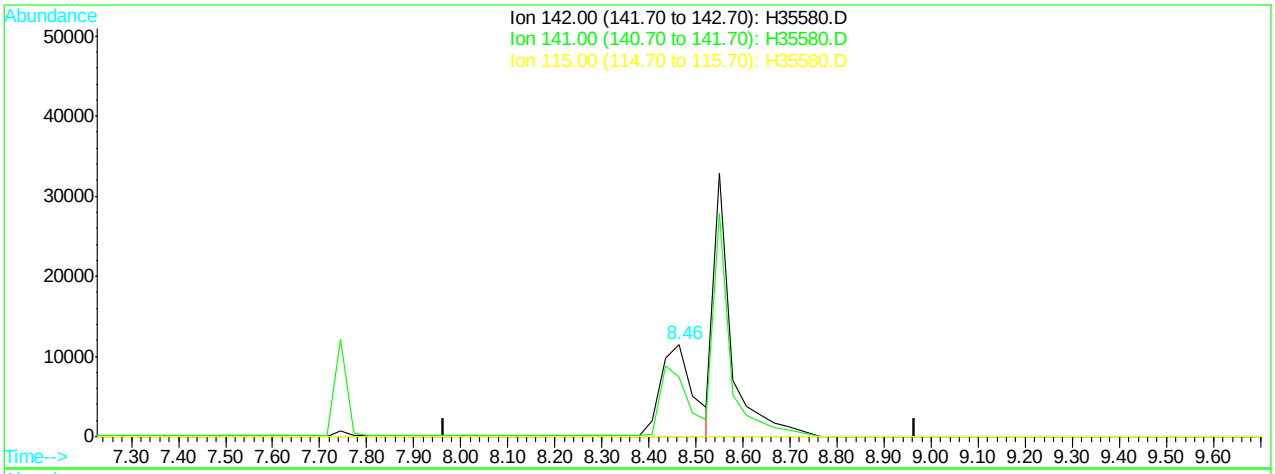
Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Initial Calibration

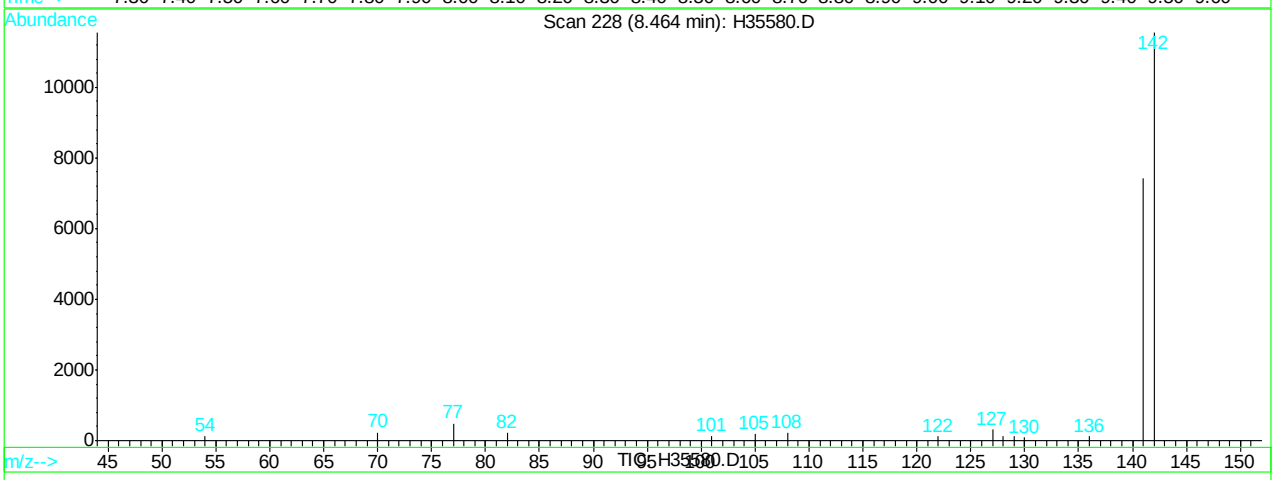


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35580.D Vial: 2
Acq On : 23 Oct 2009 11:13 am Operator: sheilac
Sample : icc1920-2.5 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:56 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(7) 2-Methylnaphthalene

8.46min 2.06ppb m

response 55399

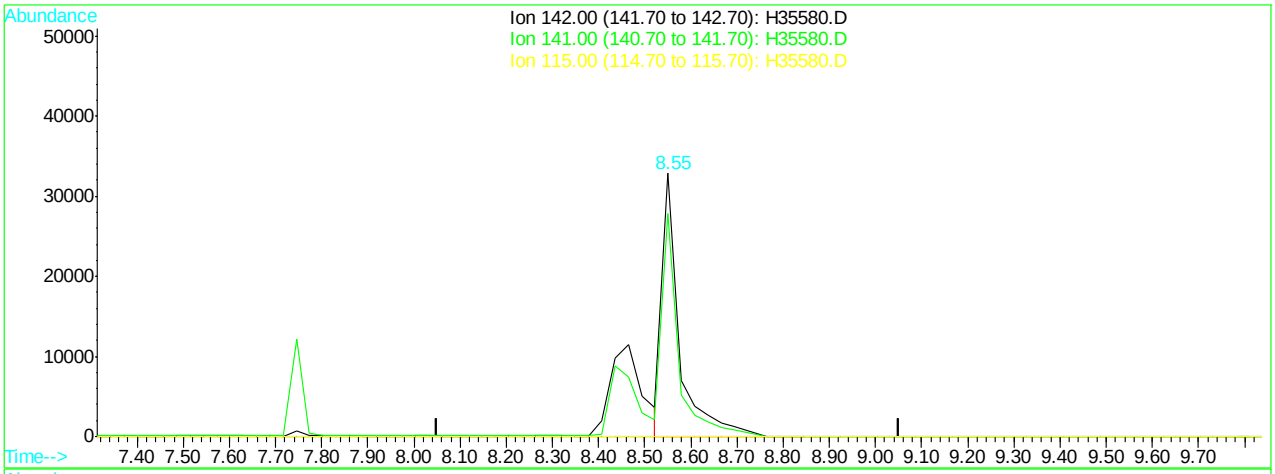
Ion	Exp%	Act%
142.00	100	100
141.00	0.00	148.51#
115.00	0.00	0.00
0.00	0.00	0.00

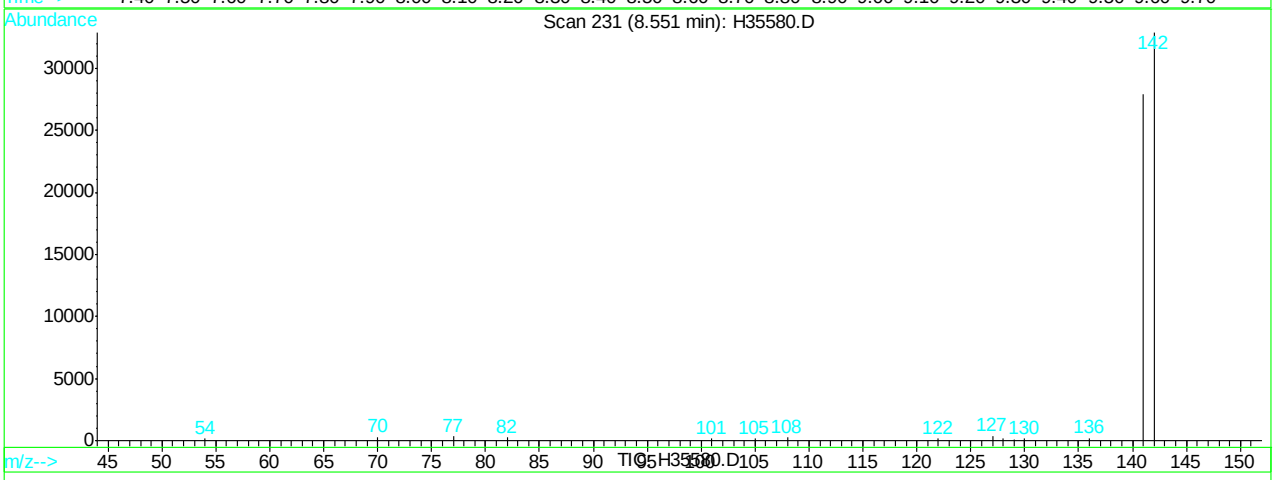
H35580.D H10239SP.M Tue Oct 27 15:18:58 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35580.D Vial: 2
Acq On : 23 Oct 2009 11:13 am Operator: sheilac
Sample : icc1920-2.5 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:56 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(8) 1-Methylnaphthalene

8.55min 2.14ppb m

response 95129

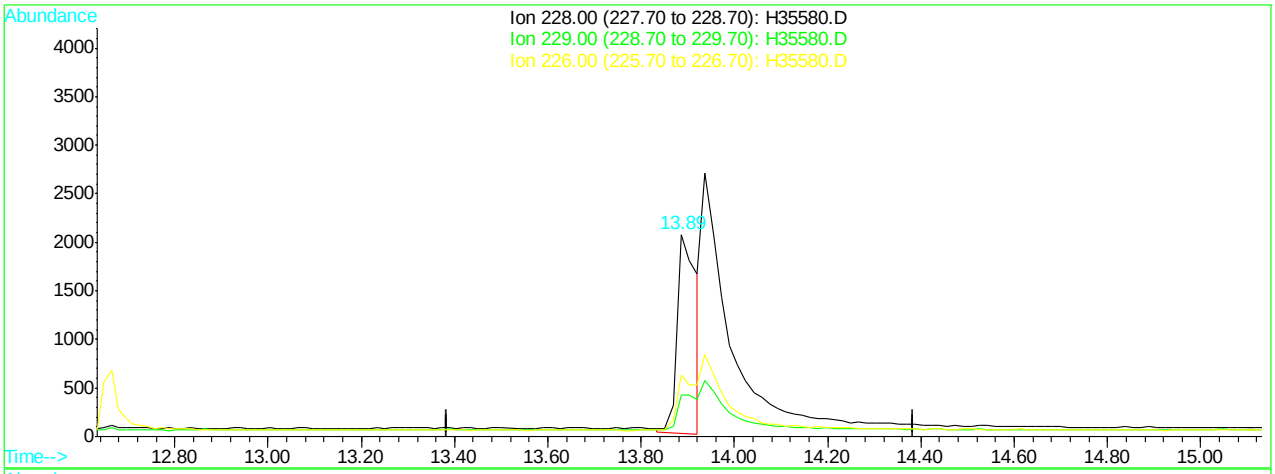
Ion	Exp%	Act%
142.00	100	100
141.00	135.10	86.49#
115.00	0.00	0.00
0.00	0.00	0.00

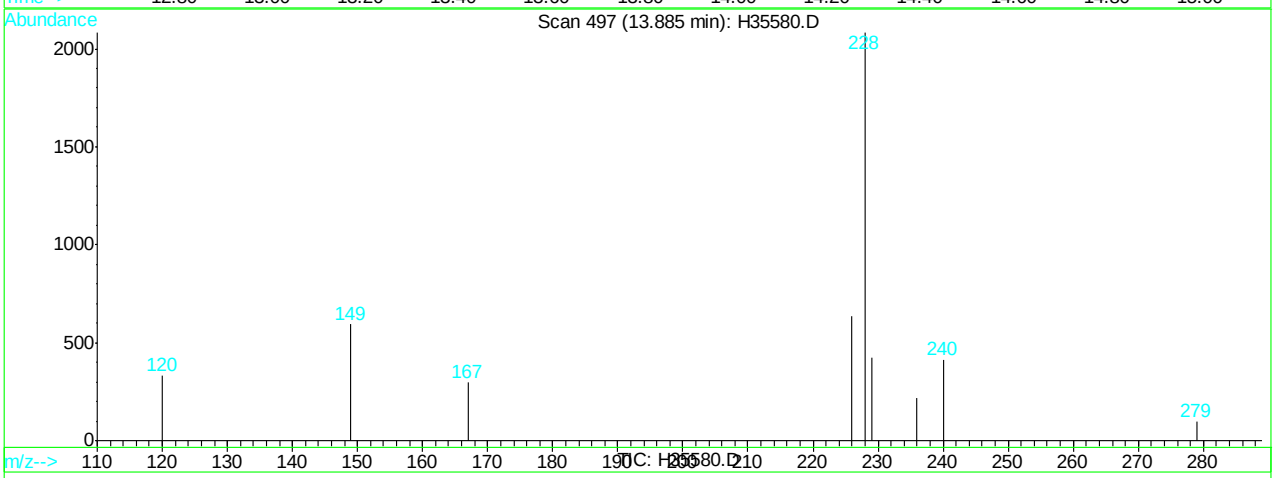
H35580.D H10239SP.M Tue Oct 27 15:19:01 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35580.D Vial: 2
Acq On : 23 Oct 2009 11:13 am Operator: sheilac
Sample : icc1920-2.5 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:56 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(24) Benzo[a]anthracene (T)

13.89min 2.51ppb m

response 6035

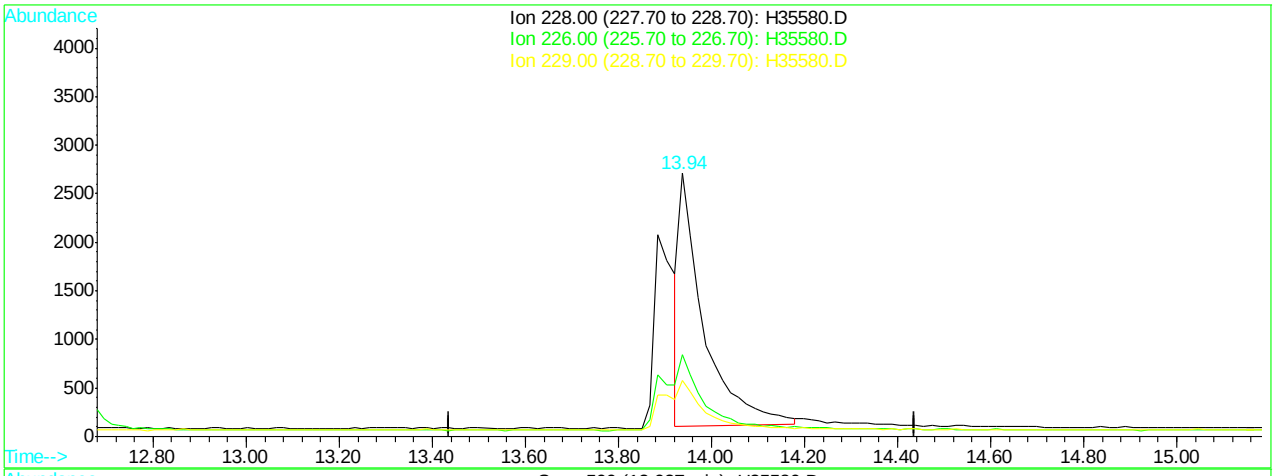
Ion	Exp%	Act%
228.00	100	100
229.00	19.80	20.45
226.00	27.40	30.48
0.00	0.00	0.00

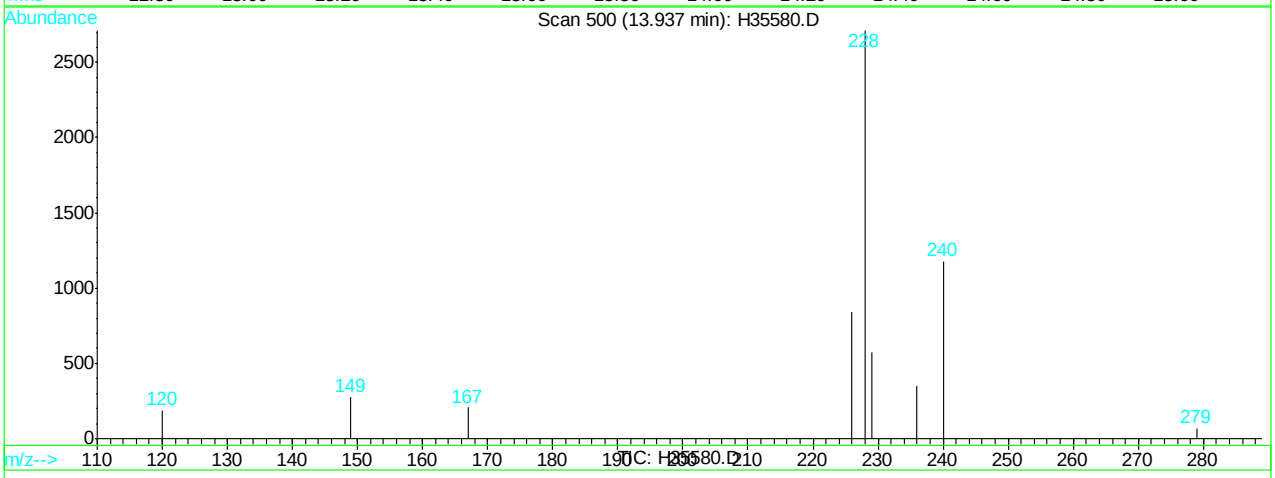
H35580.D H10239SP.M Tue Oct 27 15:19:07 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35580.D Vial: 2
Acq On : 23 Oct 2009 11:13 am Operator: sheilac
Sample : icc1920-2.5 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:56 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(25) Chrysene (T)

13.94min 2.37ppb m

response 9685

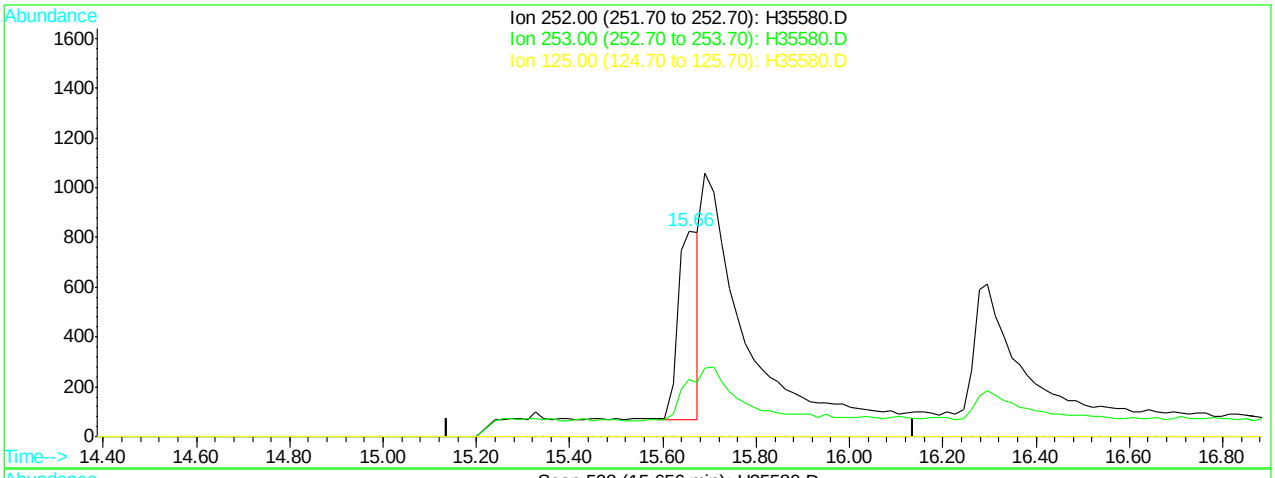
Ion	Exp%	Act%
228.00	100	100
226.00	30.10	31.06
229.00	20.20	21.21
0.00	0.00	0.00

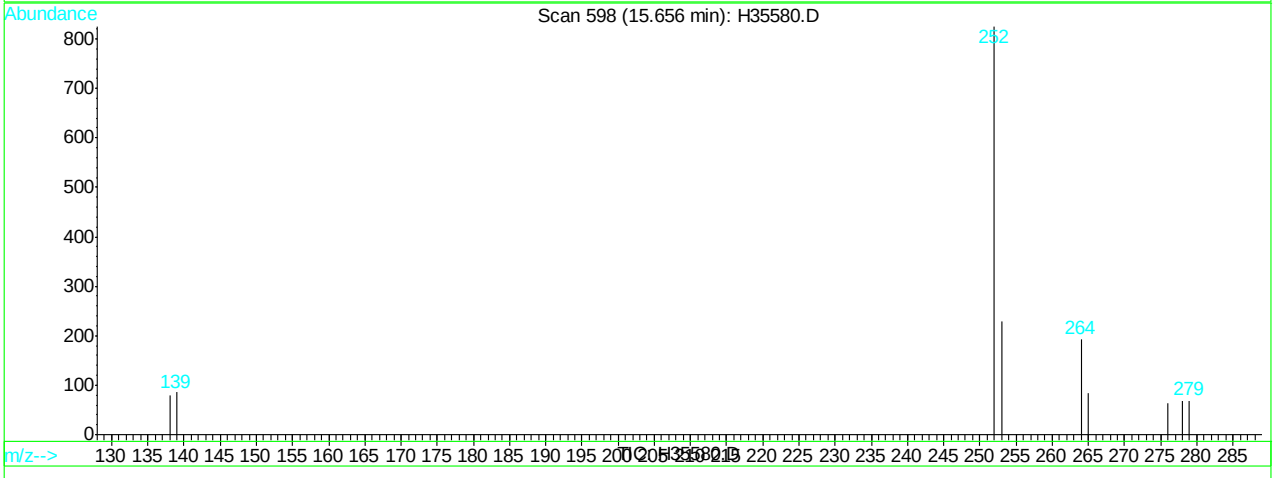
H35580.D H10239SP.M Tue Oct 27 15:19:10 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35580.D Vial: 2
Acq On : 23 Oct 2009 11:13 am Operator: sheilac
Sample : icc1920-2.5 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:56 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(27) Benzo[b]fluoranthene (T)

15.66min 2.40ppb m

response 2430

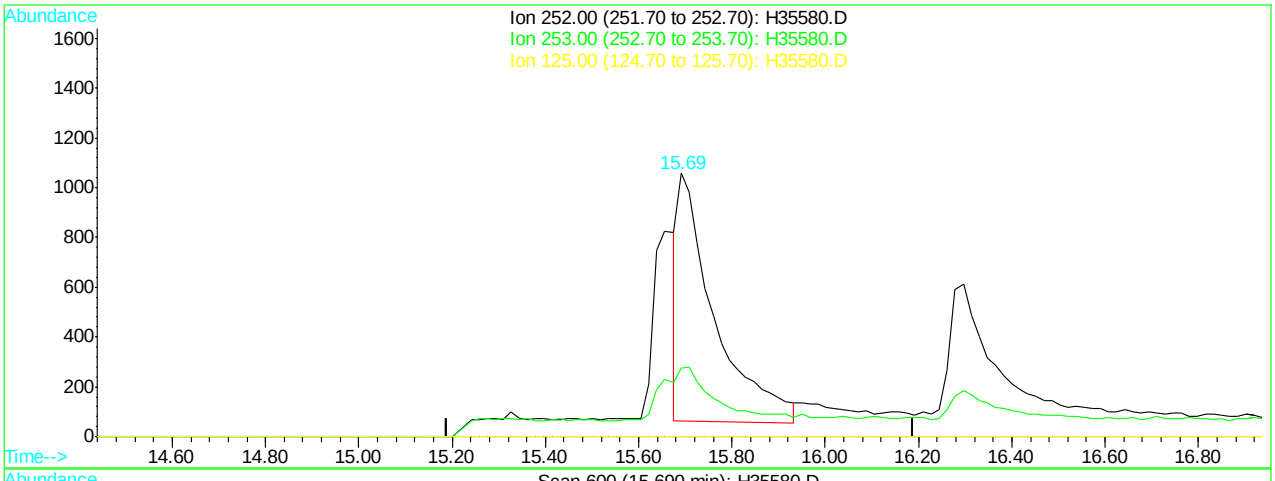
Ion	Exp%	Act%
252.00	100	100
253.00	23.50	27.76
125.00	0.00	0.00
0.00	0.00	0.00

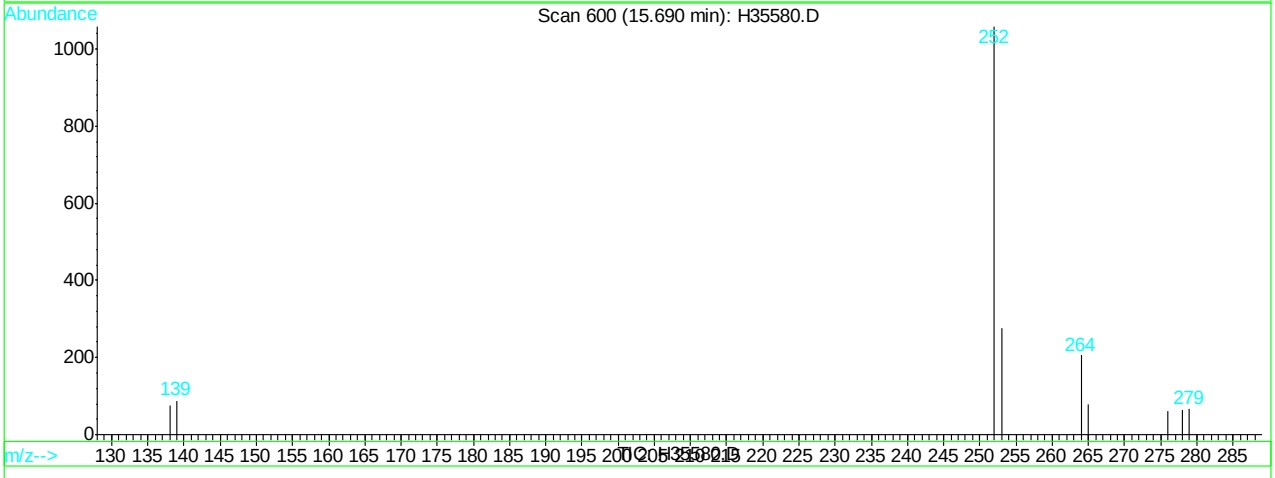
H35580.D H10239SP.M Tue Oct 27 15:19:13 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35580.D Vial: 2
Acq On : 23 Oct 2009 11:13 am Operator: sheilac
Sample : icc1920-2.5 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:56 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.69min 2.97ppb m

response 5439

Ion	Exp%	Act%
252.00	100	100
253.00	24.00	26.09
125.00	0.00	0.00
0.00	0.00	0.00

H35580.D H10239SP.M Tue Oct 27 15:19:17 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez 10/27/09 17:13

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1920\H35581.D Vial: 3
Acq On : 23 Oct 2009 11:39 am Operator: sheilac
Sample : ic1920-1 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:04 2009 Quant Results File: H10239SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Fri Oct 23 13:17:49 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.63	152	102708	4.00	ppb	-0.03
4) Naphthalene-d8	7.54	136	87587	4.00	ppb	-0.03
9) Acenaphthene-d10	9.57	164	65890	4.00	ppb	0.00
15) Phenanthrene-d10	11.09	188	68983	4.00	ppb	0.00
21) Chrysene-d12	13.92	240	8000	4.00	ppb	0.02
26) Perylene-d12	16.38	264	4159	4.00	ppb	0.02
System Monitoring Compounds						
5) Nitrobenzene-d5	6.57	82	22553	3.80	ppb	0.00
Spiked Amount 5.000	Range 17 - 131		Recovery = 76.00%			
10) 2-Fluorobiphenyl	8.87	172	192086	3.61	ppb	0.00
Spiked Amount 5.000	Range 15 - 137		Recovery = 72.20%			
16) 2,4,6-Tribromophenol	10.42	330	21629	10.22	ppb	0.02
Spiked Amount 10.000	Range 10 - 123		Recovery = 102.20%			
23) Terphenyl-d14	12.68	244	8519	4.27	ppb	0.02
Spiked Amount 5.000	Range 10 - 160		Recovery = 85.40%			

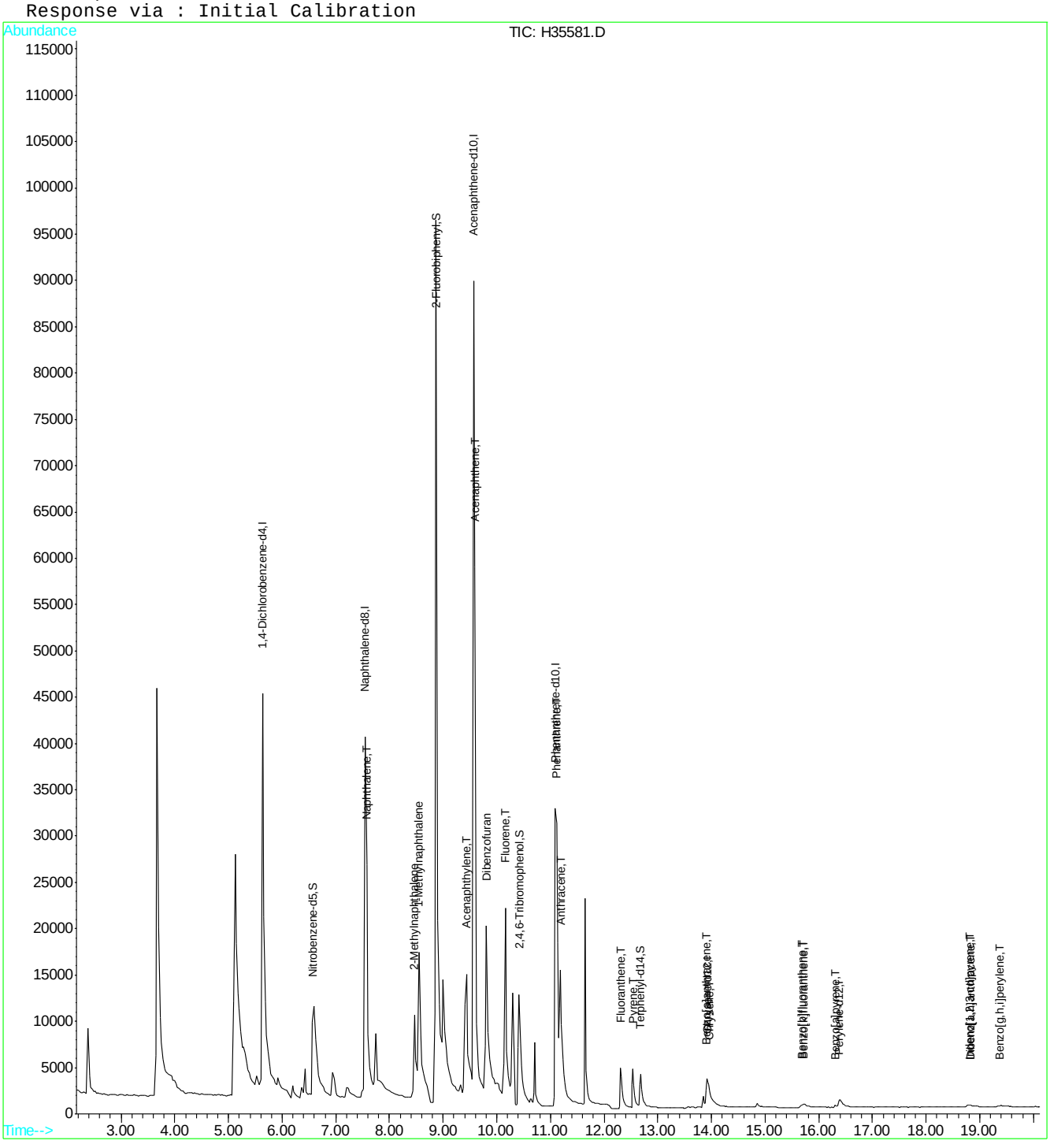
Target Compounds							Qvalue
6) Naphthalene	7.57	128	29276	0.64	ppb		92
7) 2-Methylnaphthalene	8.46	142	16608m	0.63	ppb		
8) 1-Methylnaphthalene	8.55	142	32761m	0.71	ppb		
11) Acenaphthylene	9.43	152	28073	0.64	ppb		100
12) Acenaphthene	9.59	153	36972	0.94	ppb		79
13) Dibenzofuran	9.81	168	44354	0.93	ppb		90
14) Fluorene	10.16	166	20877	0.81	ppb		97
18) Phenanthrene	11.11	178	27228	0.84	ppb		96
19) Anthracene	11.19	178	36383m	0.97	ppb		
20) Fluoranthene	12.31	202	11615	0.64	ppb	#	96
22) Pyrene	12.54	202	12944	0.98	ppb		95
24) Benzo[a]anthracene	13.90	228	1221m	0.56	ppb		
25) Chrysene	13.95	228	4526m	1.27	ppb		
27) Benzo[b]fluoranthene	15.69	252	735m	0.66	ppb		
28) Benzo[k]fluoranthene	15.73	252	1896m	1.04	ppb		
29) Benzo[a]pyrene	16.31	252	1219	0.88	ppb		93
30) Indeno[1,2,3-cd]pyrene	18.81	276	877	0.98	ppb		92
31) Dibenz[a,h]anthracene	18.82	278	571	0.80	ppb	#	91
32) Benzo[g,h,i]perylene	19.38	276	910	1.07	ppb	#	77

(#) = qualifier out of range (m) = manual integration
H35581.D H10239SP.M Tue Oct 27 15:19:25 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1920\H35581.D Vial: 3
Acq On : 23 Oct 2009 11:39 am Operator: sheilac
Sample : ic1920-1 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:04 2009 Quant Results File: H10239SP.RES

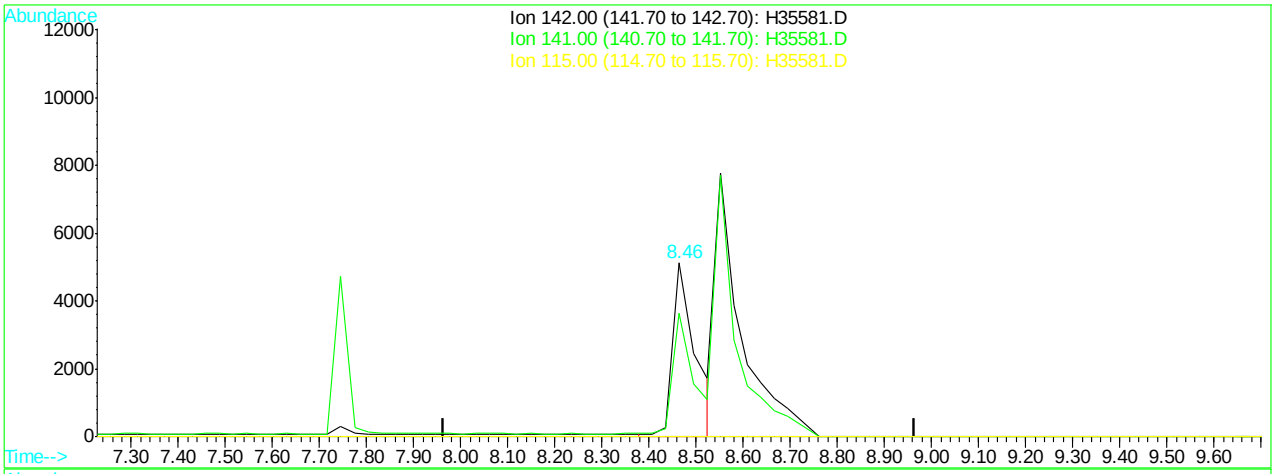
Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Initial Calibration

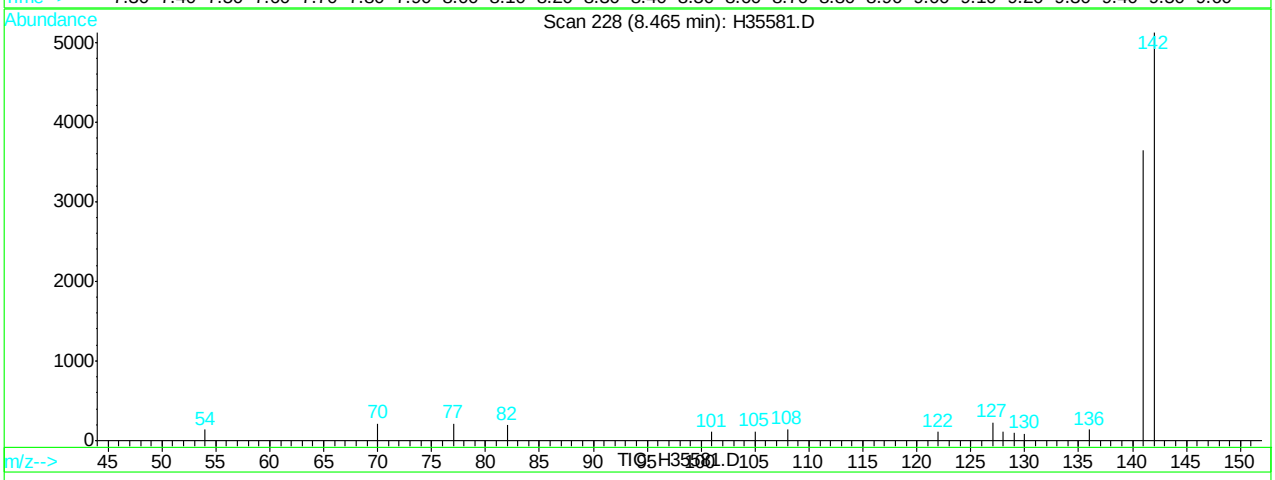


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35581.D Vial: 3
Acq On : 23 Oct 2009 11:39 am Operator: sheilac
Sample : ic1920-1 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:04 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(7) 2-Methylnaphthalene

8.46min 0.63ppb m

response 16608

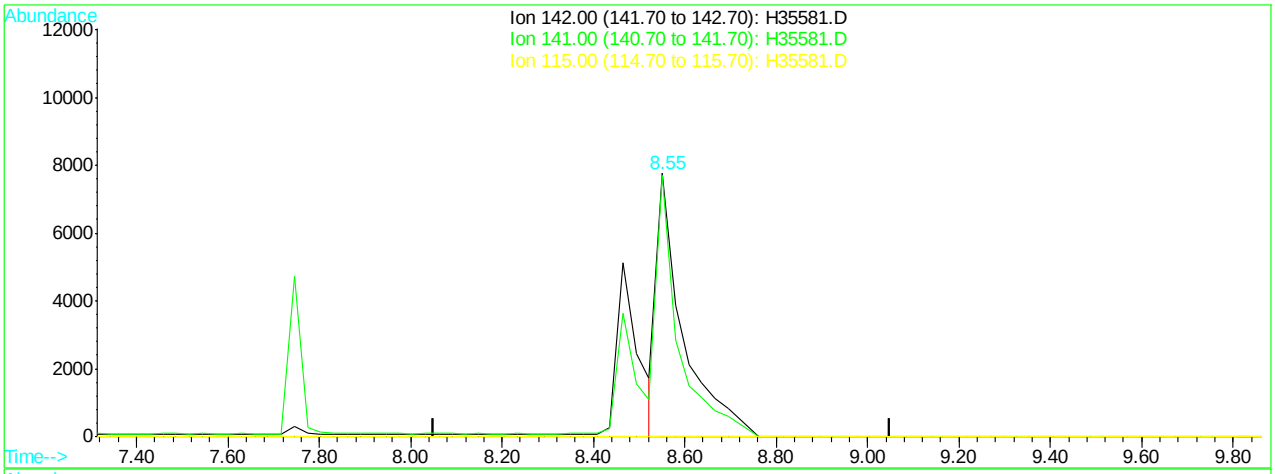
Ion	Exp%	Act%
142.00	100	100
141.00	0.00	240.58#
115.00	0.00	0.00
0.00	0.00	0.00

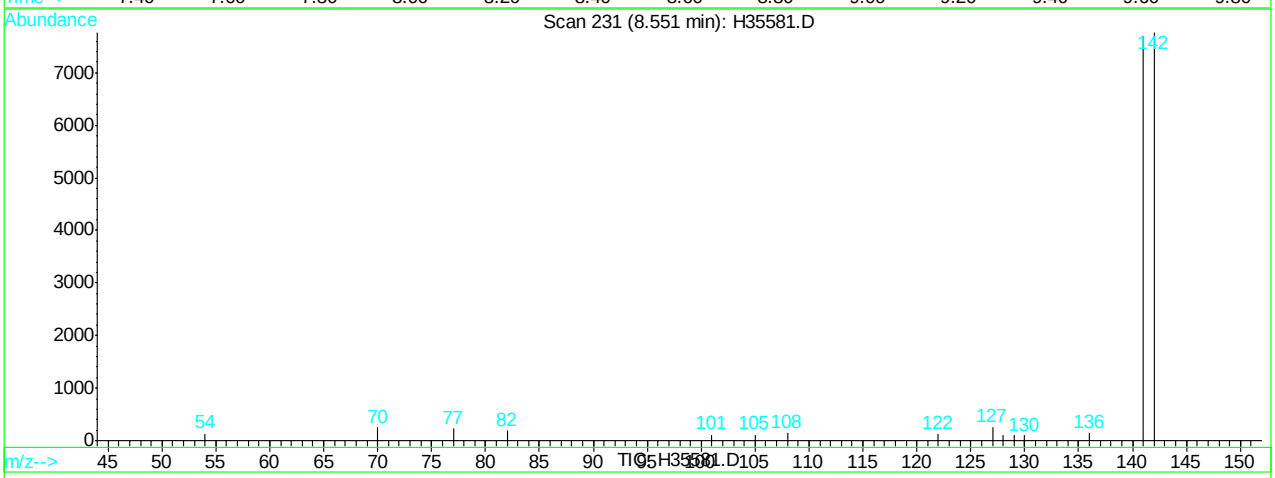
H35581.D H10239SP.M Tue Oct 27 15:19:52 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35581.D Vial: 3
Acq On : 23 Oct 2009 11:39 am Operator: sheilac
Sample : ic1920-1 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:04 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(8) 1-Methylnaphthalene

8.55min 0.71ppb m

response 32761

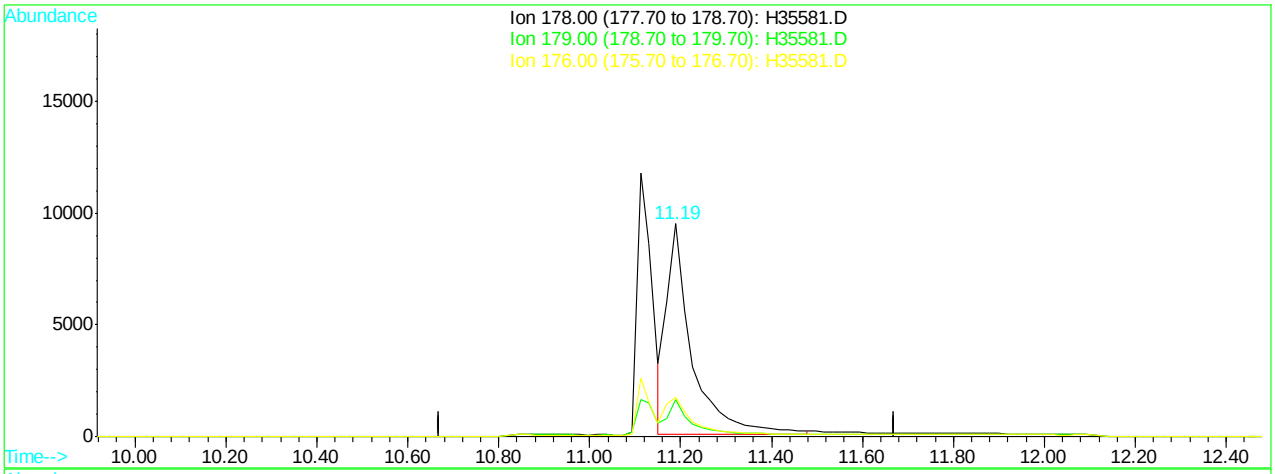
Ion	Exp%	Act%
142.00	100	100
141.00	135.10	121.96
115.00	0.00	0.00
0.00	0.00	0.00

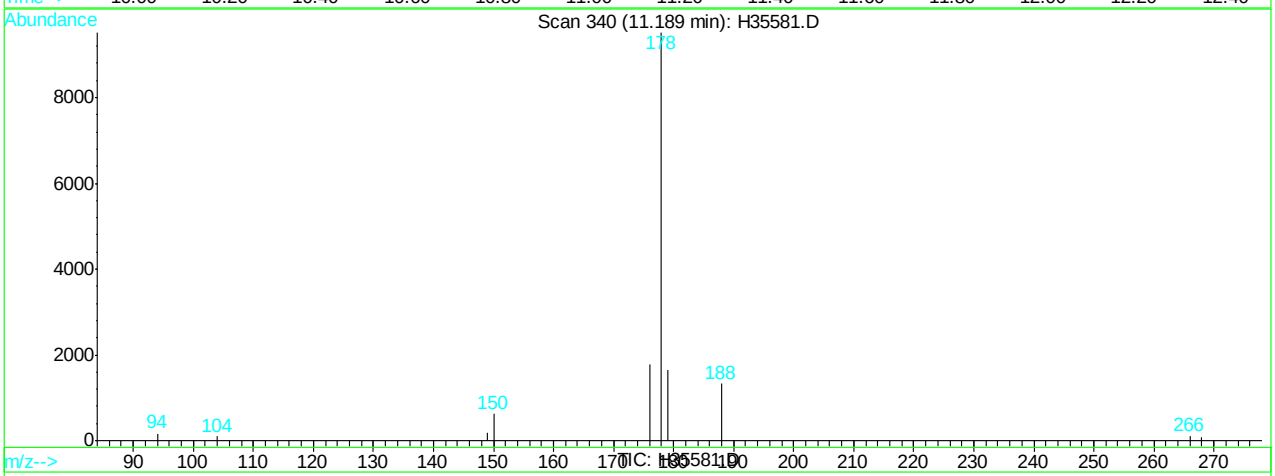
H35581.D H10239SP.M Tue Oct 27 15:19:55 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35581.D Vial: 3
Acq On : 23 Oct 2009 11:39 am Operator: sheilac
Sample : ic1920-1 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:04 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(19) Anthracene (T)

11.19min 0.97ppb m

response 36383

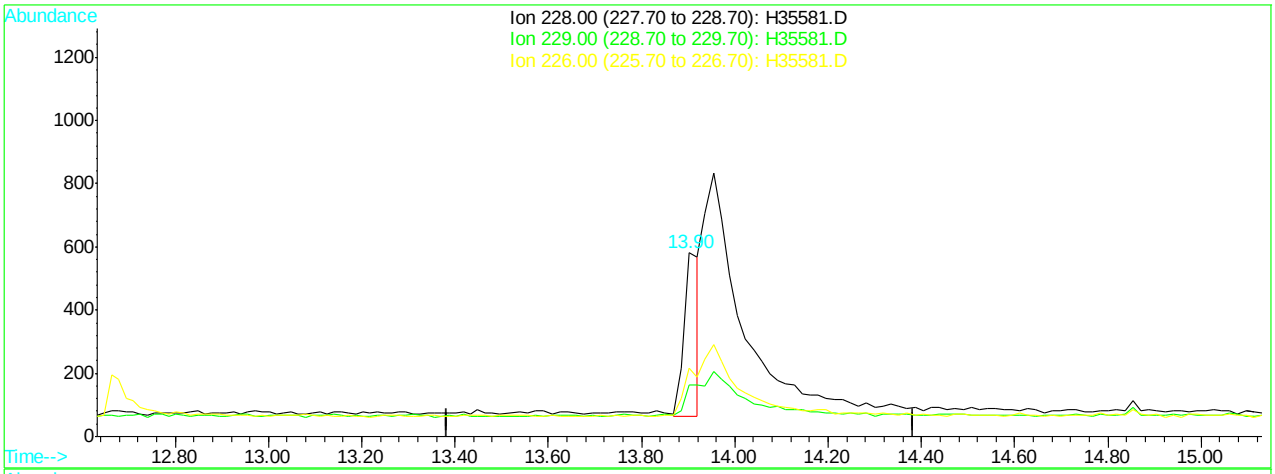
Ion	Exp%	Act%
178.00	100	100
179.00	12.00	17.31#
176.00	23.40	18.66
0.00	0.00	0.00

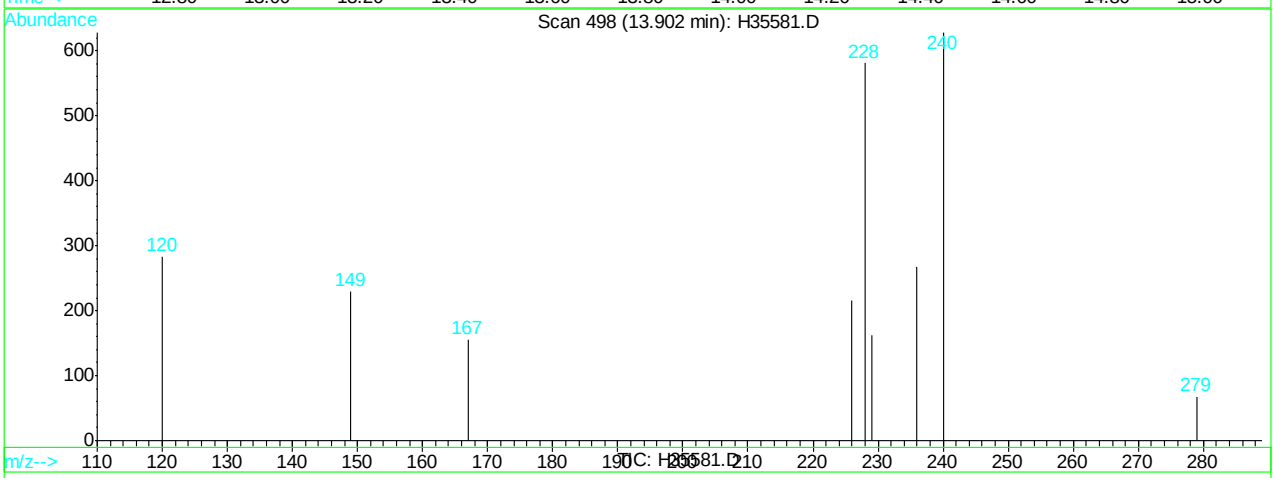
H35581.D H10239SP.M Tue Oct 27 15:20:01 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35581.D Vial: 3
Acq On : 23 Oct 2009 11:39 am Operator: sheilac
Sample : ic1920-1 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:04 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(24) Benzo[a]anthracene (T)

13.90min 0.56ppb m

response 1221

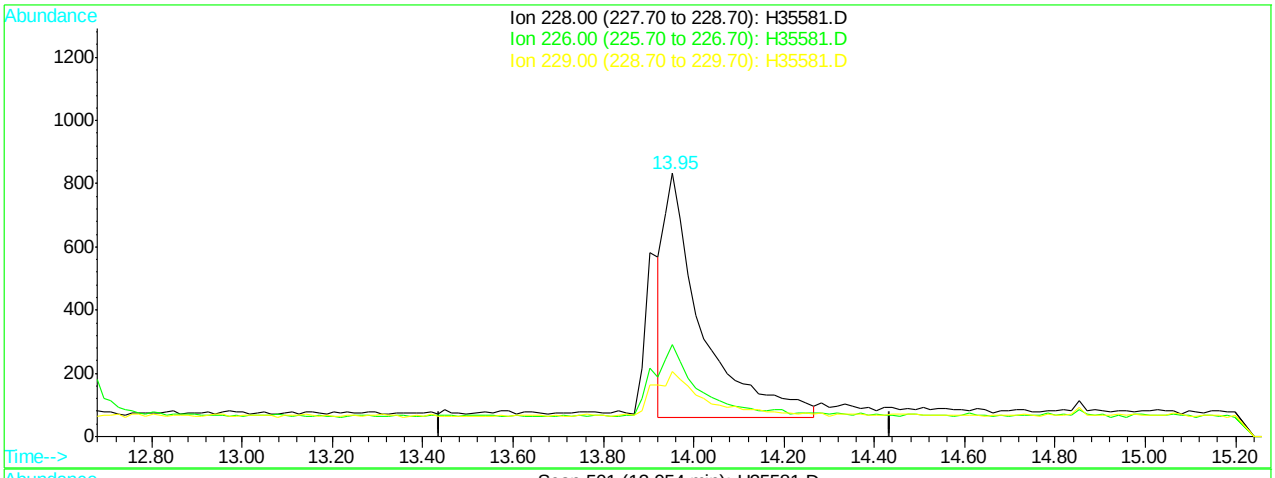
Ion	Exp%	Act%
228.00	100	100
229.00	19.80	27.88#
226.00	27.40	37.18#
0.00	0.00	0.00

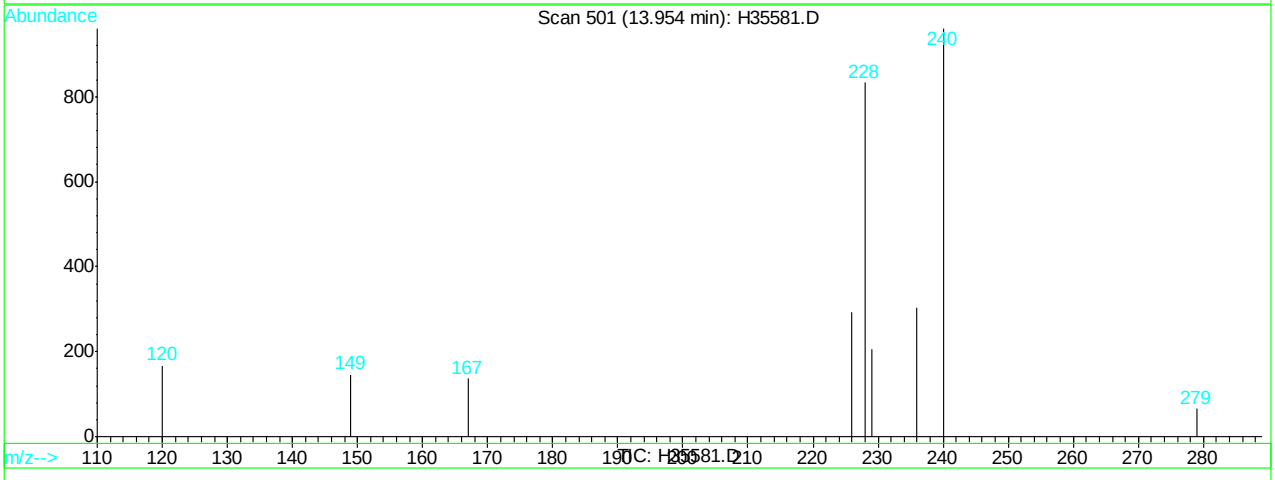
H35581.D H10239SP.M Tue Oct 27 15:20:05 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35581.D Vial: 3
Acq On : 23 Oct 2009 11:39 am Operator: sheilac
Sample : ic1920-1 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:04 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(25) Chrysene (T)

13.95min 1.27ppb m

response 4526

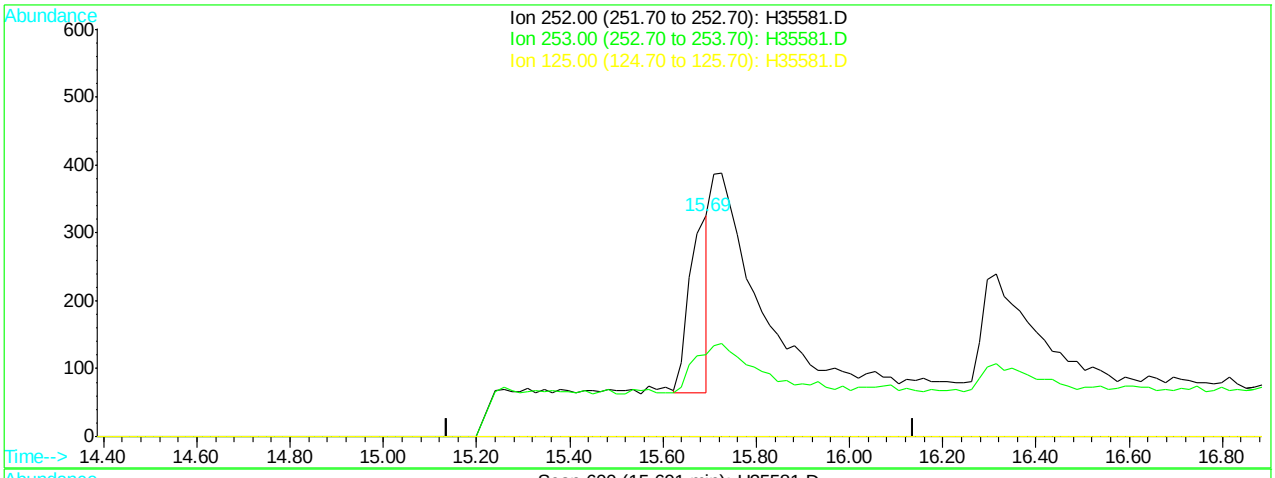
Ion	Exp%	Act%
228.00	100	100
226.00	30.10	35.05
229.00	20.20	24.73
0.00	0.00	0.00

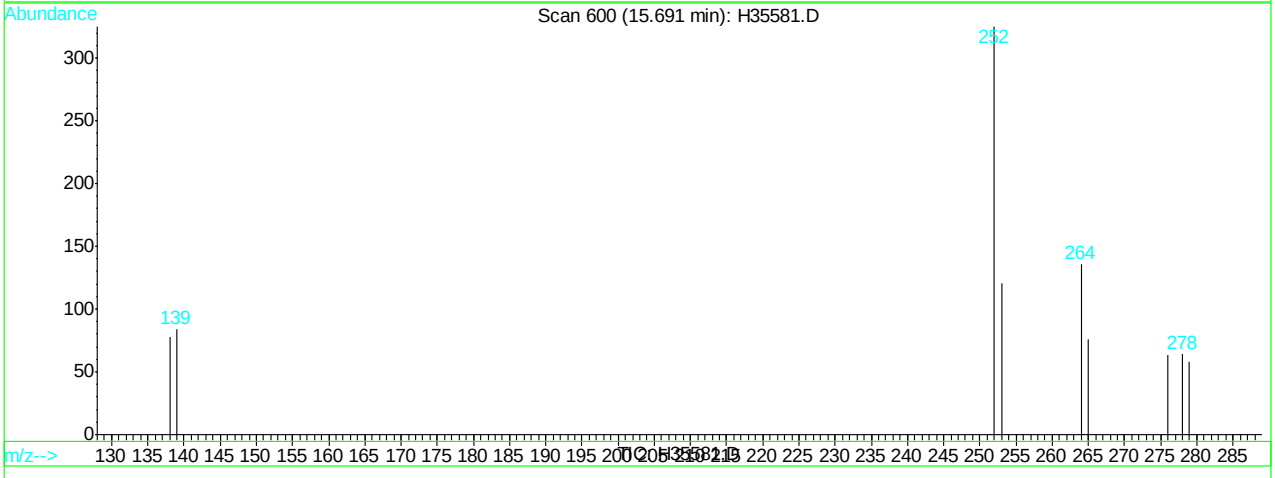
H35581.D H10239SP.M Tue Oct 27 15:20:08 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35581.D Vial: 3
Acq On : 23 Oct 2009 11:39 am Operator: sheilac
Sample : ic1920-1 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:04 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(27) Benzo[b]fluoranthene (T)

15.69min 0.66ppb m

response 735

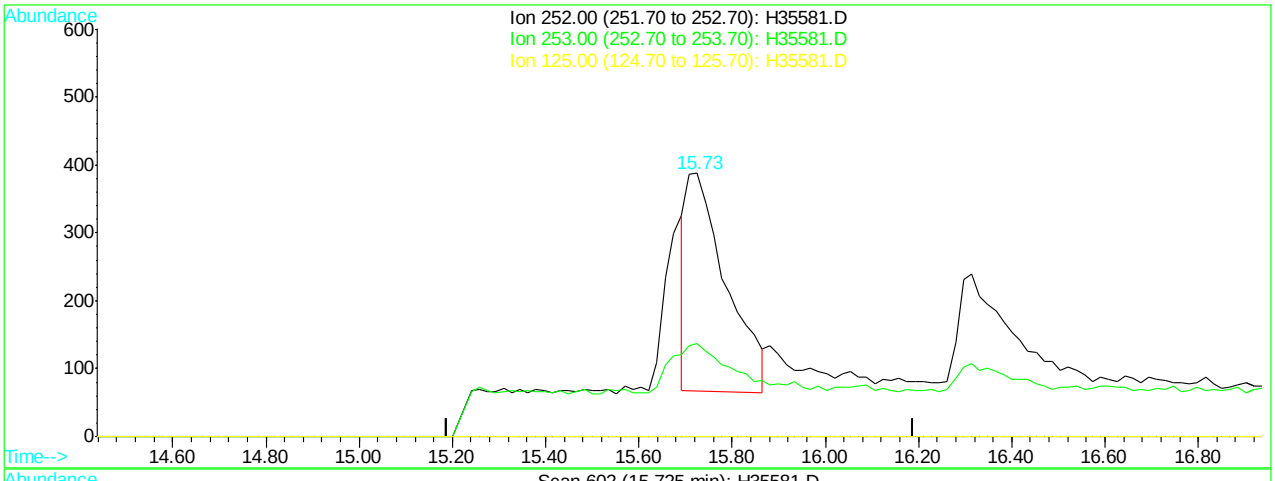
Ion	Exp%	Act%
252.00	100	100
253.00	23.50	37.23#
125.00	0.00	0.00
0.00	0.00	0.00

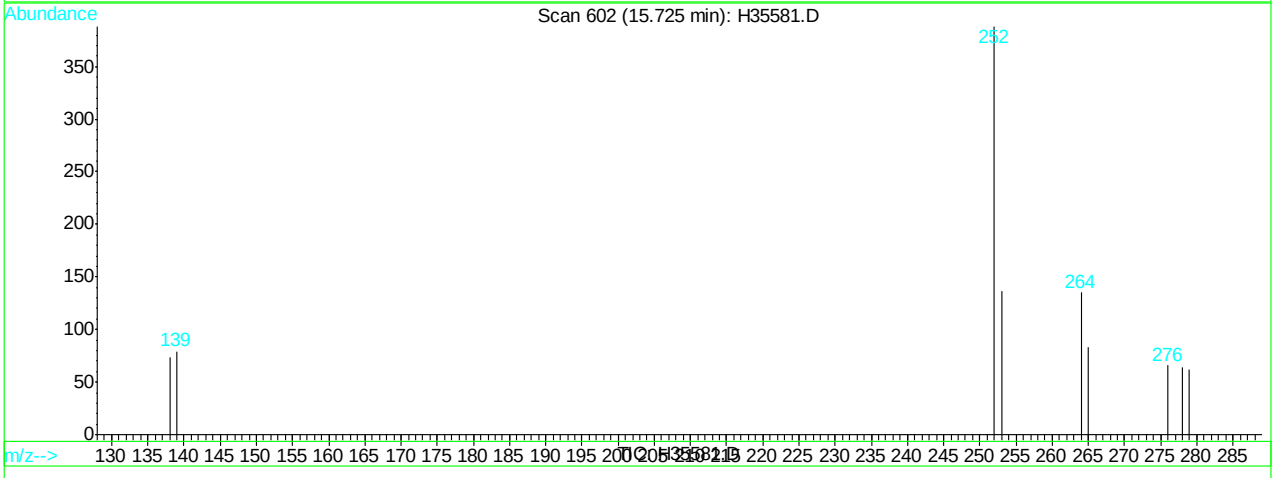
H35581.D H10239SP.M Tue Oct 27 15:20:11 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35581.D Vial: 3
Acq On : 23 Oct 2009 11:39 am Operator: sheilac
Sample : ic1920-1 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:04 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.73min 1.04ppb m

response 1896

Ion	Exp%	Act%
252.00	100	100
253.00	24.00	35.31#
125.00	0.00	0.00
0.00	0.00	0.00

H35581.D H10239SP.M Tue Oct 27 15:20:14 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/27/09 17:13

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1920\H35582.D Vial: 4
Acq On : 23 Oct 2009 12:08 pm Operator: sheilac
Sample : ic1920-0.1 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:59 2009 Quant Results File: H10239SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Fri Oct 23 13:17:49 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.66	152	83648	4.00	ppb	0.00
4) Naphthalene-d8	7.54	136	63676	4.00	ppb	-0.03
9) Acenaphthene-d10	9.57	164	52898	4.00	ppb	0.00
15) Phenanthrene-d10	11.11	188	48772	4.00	ppb	0.02
21) Chrysene-d12	13.94	240	8164	4.00	ppb	0.04
26) Perylene-d12	16.40	264	4584	4.00	ppb	0.04

System Monitoring Compounds

5) Nitrobenzene-d5	6.42	82	331	0.08	ppb	-0.14
Spiked Amount 5.000	Range 17 - 131		Recovery	=	1.60%#	
10) 2-Fluorobiphenyl	8.93	172	13943	0.33	ppb	0.06
Spiked Amount 5.000	Range 15 - 137		Recovery	=	6.60%#	
16) 2,4,6-Tribromophenol	10.51	330	575m	0.38	ppb	0.10
Spiked Amount 10.000	Range 10 - 123		Recovery	=	3.80%#	
23) Terphenyl-d14	12.70	244	665	0.33	ppb	0.03
Spiked Amount 5.000	Range 10 - 160		Recovery	=	6.60%#	

Target Compounds

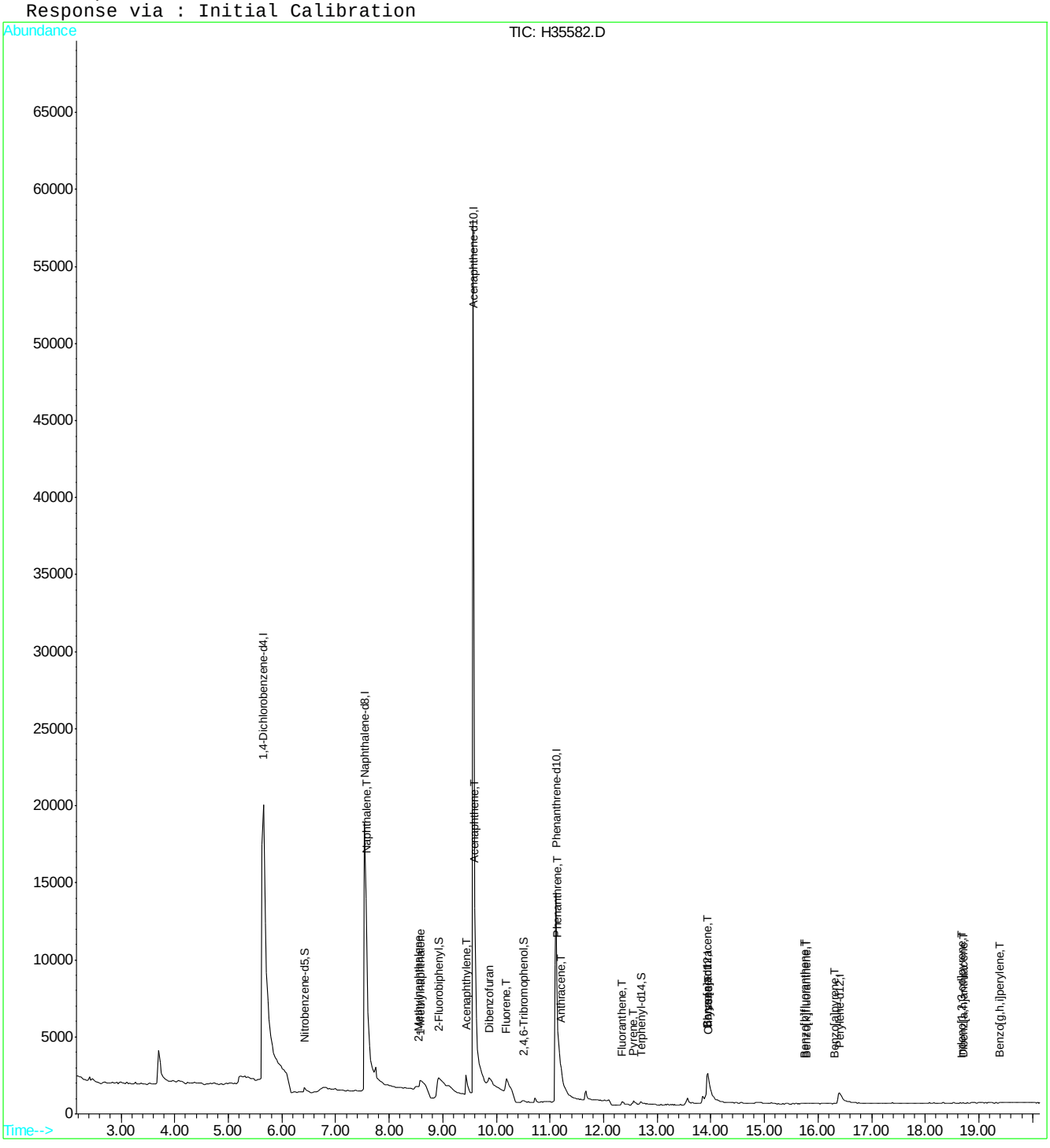
							Qvalue
6) Naphthalene	7.57	128	2499	0.08	ppb	#	96
7) 2-Methylnaphthalene	8.55	142	480m	0.03	ppb		
8) 1-Methylnaphthalene	8.58	142	1924m	0.06	ppb		
11) Acenaphthylene	9.44	152	2817	0.08	ppb	#	87
12) Acenaphthene	9.60	153	3045	0.10	ppb		90
13) Dibenzofuran	9.87	168	3057	0.08	ppb		94
14) Fluorene	10.19	166	1424	0.07	ppb		91
18) Phenanthrene	11.13	178	2033	0.09	ppb	#	85
19) Anthracene	11.21	178	2694	0.10	ppb	#	87
20) Fluoranthene	12.34	202	916	0.07	ppb	#	92
22) Pyrene	12.56	202	1325	0.10	ppb		99
24) Benzo[a]anthracene	13.94	228	166m	0.08	ppb		
25) Chrysene	13.96	228	317m	0.09	ppb		
27) Benzo[b]fluoranthene	15.74	252	169m	0.14	ppb		
28) Benzo[k]fluoranthene	15.78	252	149m	0.07	ppb		
29) Benzo[a]pyrene	16.31	252	154	0.10	ppb		87
30) Indeno[1,2,3-cd]pyrene	18.68	276	15	0.02	ppb	#	45
31) Dibenz[a,h]anthracene	18.72	278	35	0.04	ppb	#	29
32) Benzo[g,h,i]perylene	19.39	276	59	0.06	ppb	#	72

(#) = qualifier out of range (m) = manual integration
H35582.D H10239SP.M Tue Oct 27 15:20:23 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1920\H35582.D Vial: 4
Acq On : 23 Oct 2009 12:08 pm Operator: sheilac
Sample : ic1920-0.1 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:59 2009 Quant Results File: H10239SP.RES

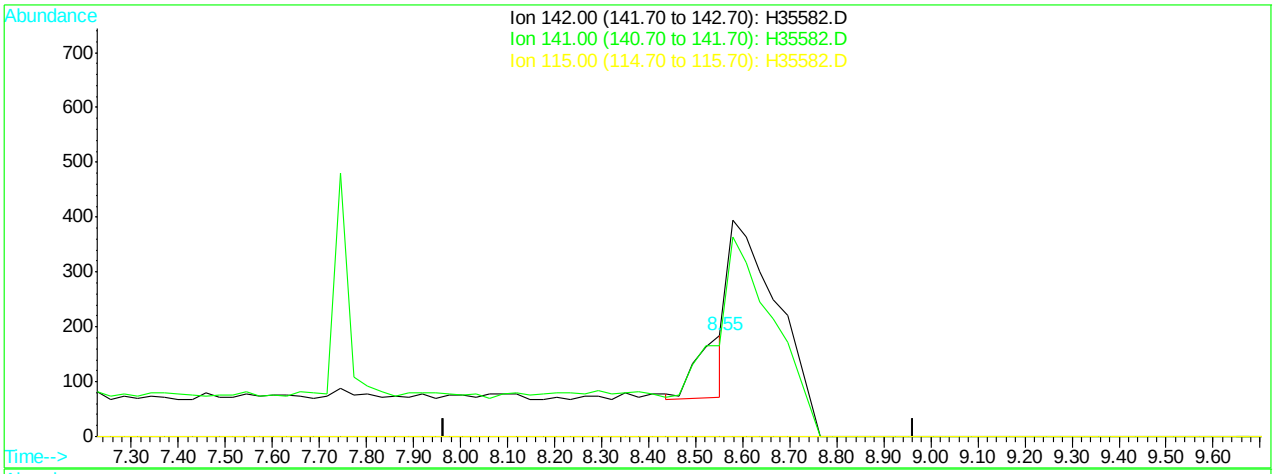
Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Initial Calibration

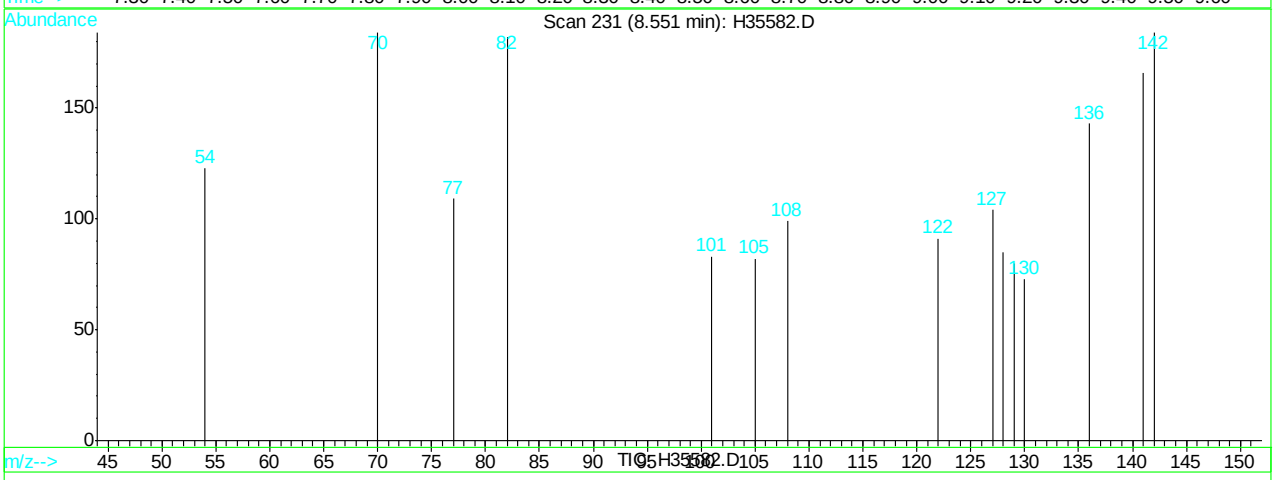


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35582.D Vial: 4
Acq On : 23 Oct 2009 12:08 pm Operator: sheilac
Sample : ic1920-0.1 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:59 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(7) 2-Methylnaphthalene

8.55min 0.03ppb m

response 480

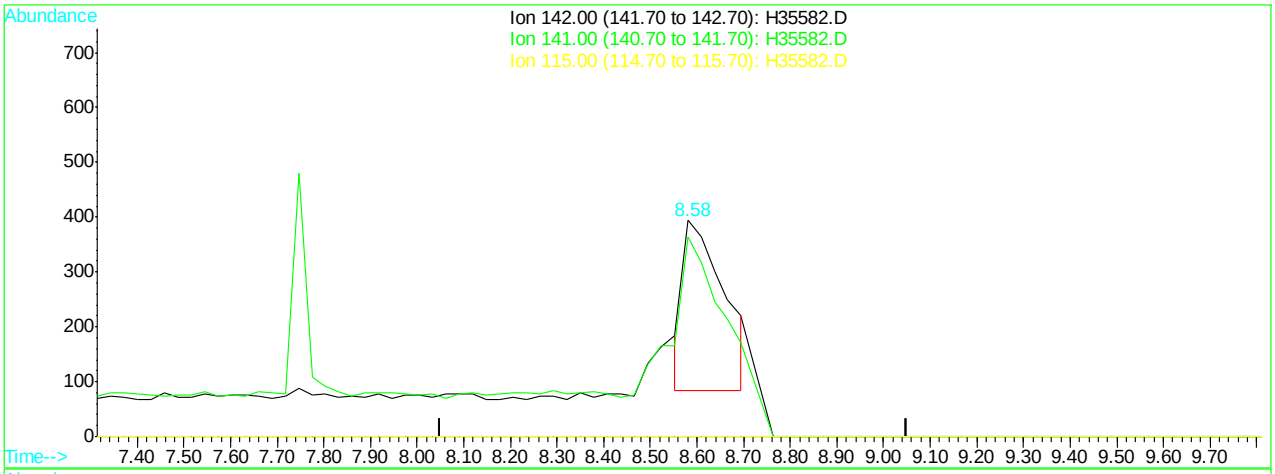
Ion	Exp%	Act%
142.00	100	100
141.00	0.00	745.42#
115.00	0.00	0.00
0.00	0.00	0.00

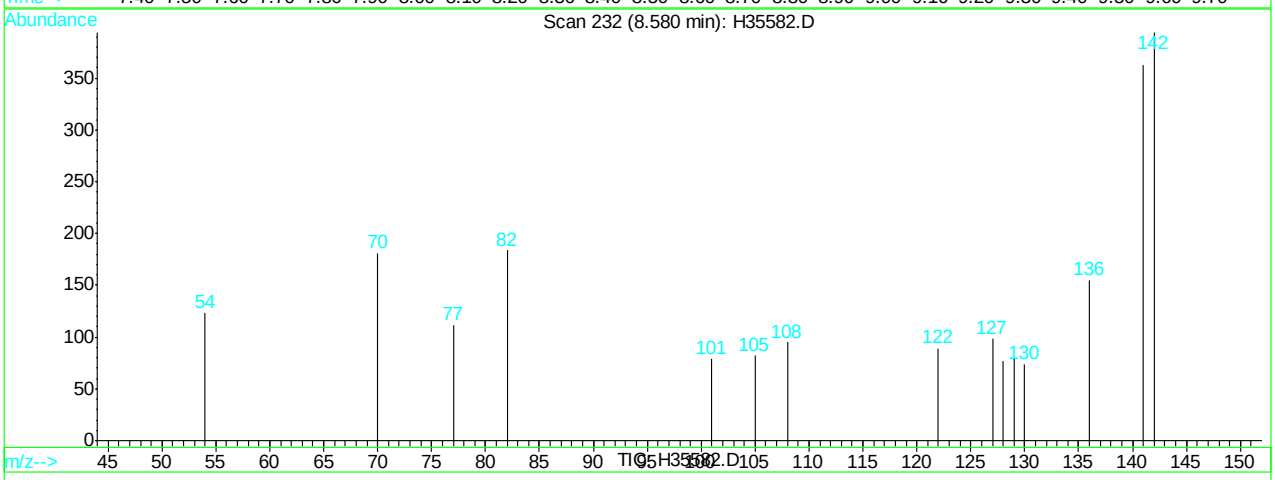
H35582.D H10239SP.M Tue Oct 27 15:20:45 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35582.D Vial: 4
Acq On : 23 Oct 2009 12:08 pm Operator: sheilac
Sample : ic1920-0.1 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:59 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(8) 1-Methylnaphthalene

8.58min 0.06ppb m

response 1924

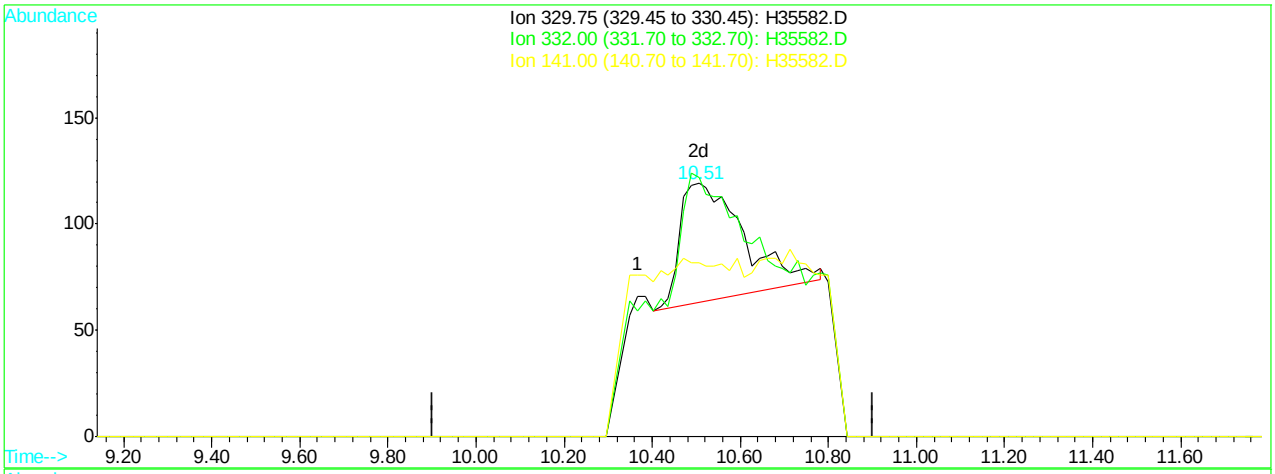
Ion	Exp%	Act%
142.00	100	100
141.00	135.10	185.97#
115.00	0.00	0.00
0.00	0.00	0.00

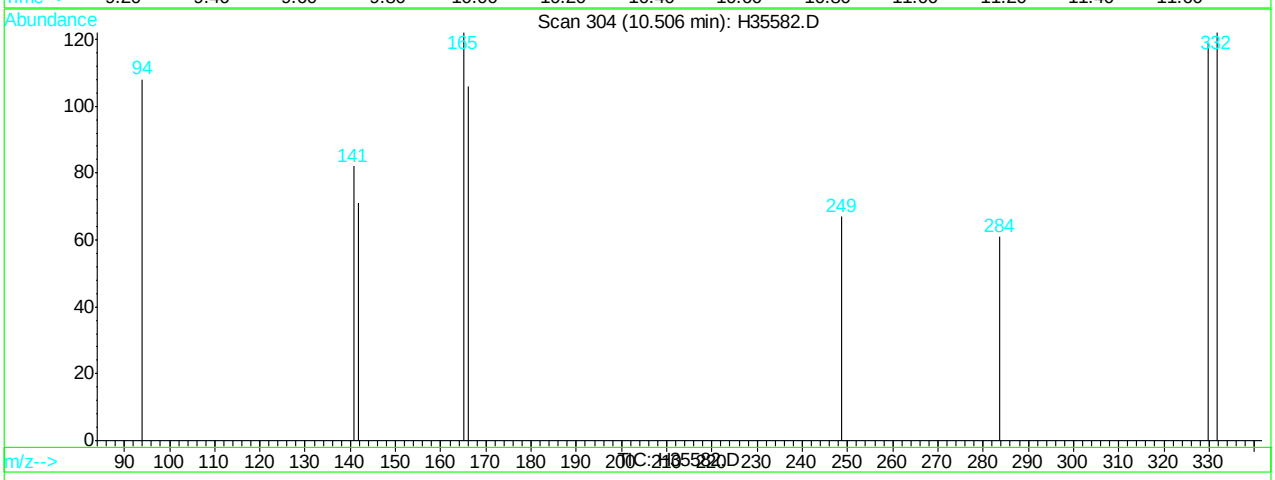
H35582.D H10239SP.M Tue Oct 27 15:20:49 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35582.D Vial: 4
Acq On : 23 Oct 2009 12:08 pm Operator: sheilac
Sample : ic1920-0.1 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:59 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(16) 2,4,6-Tribromophenol (S)

10.51min 0.38ppb m

response 575

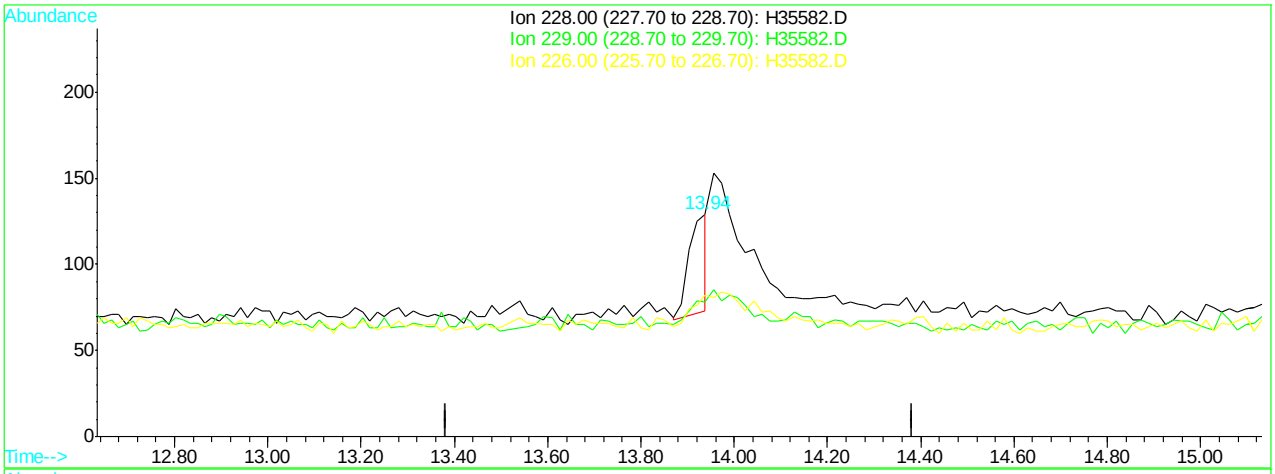
Ion	Exp%	Act%
329.75	100	100
332.00	97.50	68.87#
141.00	15.60	84.35#
0.00	0.00	0.00

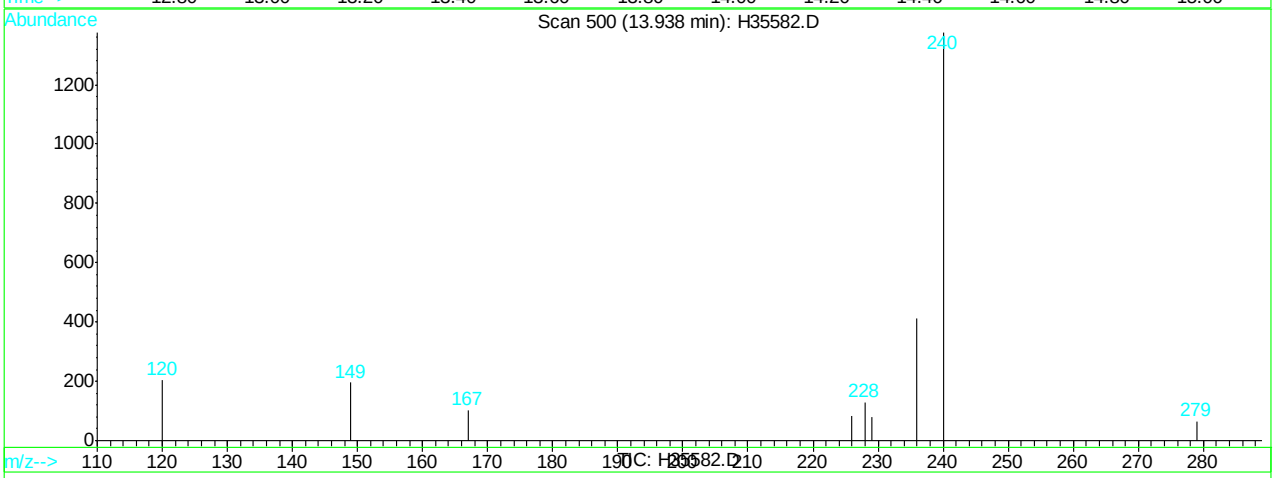
H35582.D H10239SP.M Tue Oct 27 15:20:53 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35582.D Vial: 4
Acq On : 23 Oct 2009 12:08 pm Operator: sheilac
Sample : ic1920-0.1 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:59 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(24) Benzo[a]anthracene (T)

13.94min 0.08ppb m

response 166

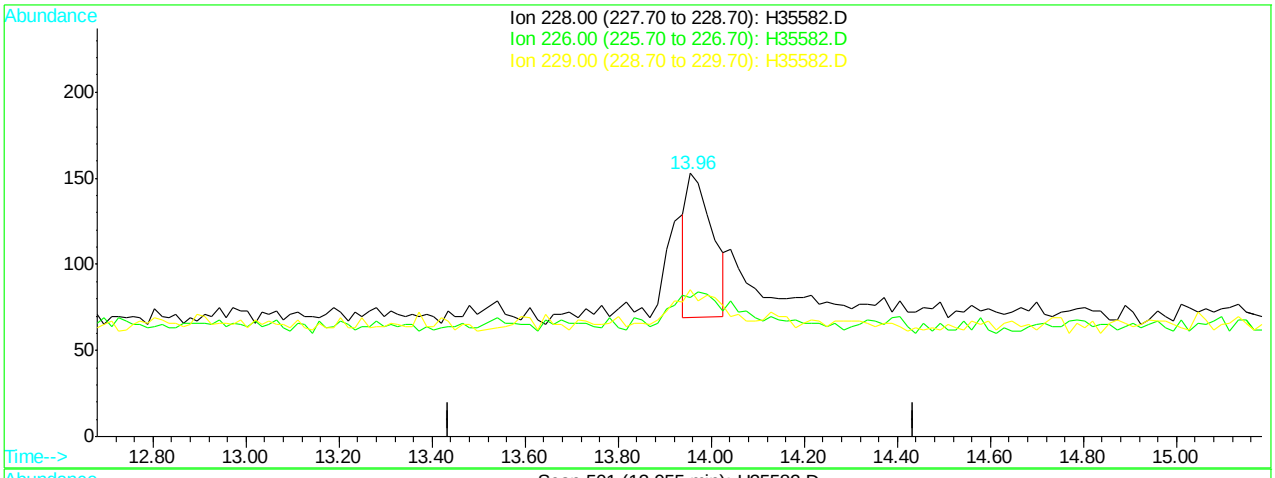
Ion	Exp%	Act%
228.00	100	100
229.00	19.80	60.47#
226.00	27.40	63.57#
0.00	0.00	0.00

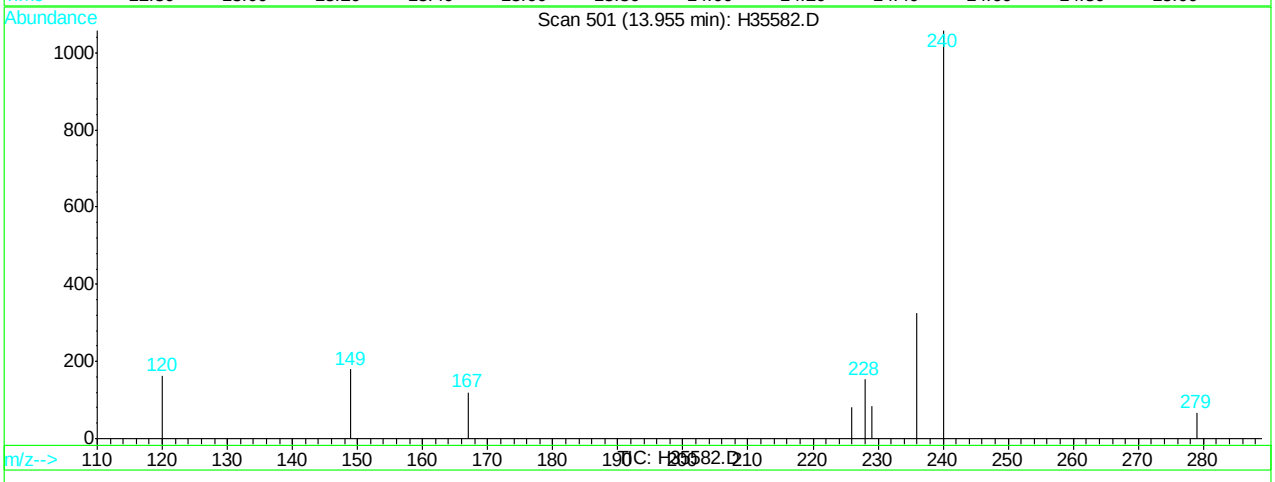
H35582.D H10239SP.M Tue Oct 27 15:20:59 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35582.D Vial: 4
Acq On : 23 Oct 2009 12:08 pm Operator: sheilac
Sample : ic1920-0.1 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:59 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(25) Chrysene (T)

13.96min 0.09ppb m

response 317

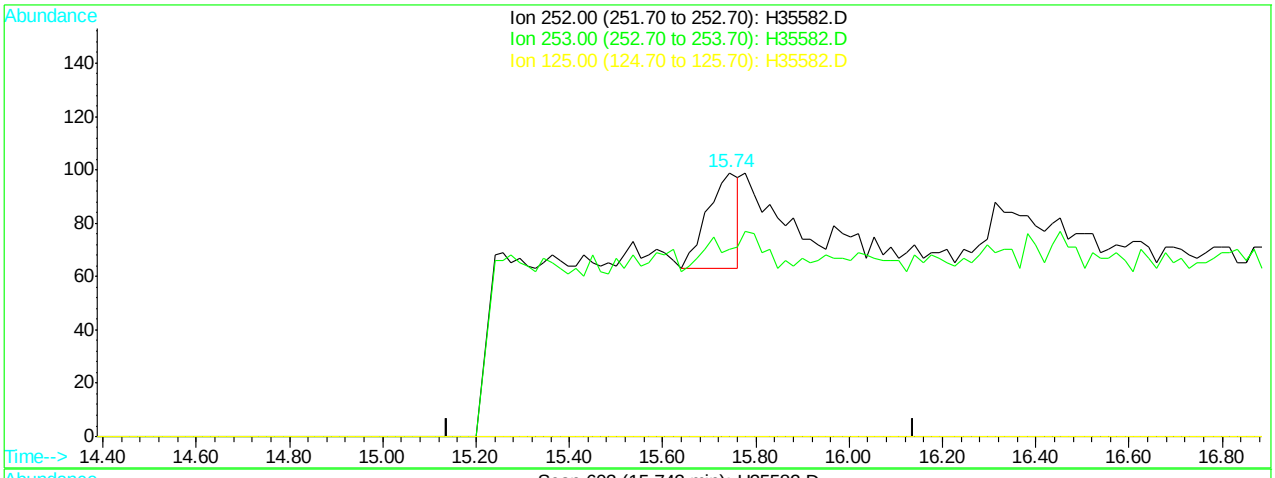
Ion	Exp%	Act%
228.00	100	100
226.00	30.10	52.94#
229.00	20.20	55.56#
0.00	0.00	0.00

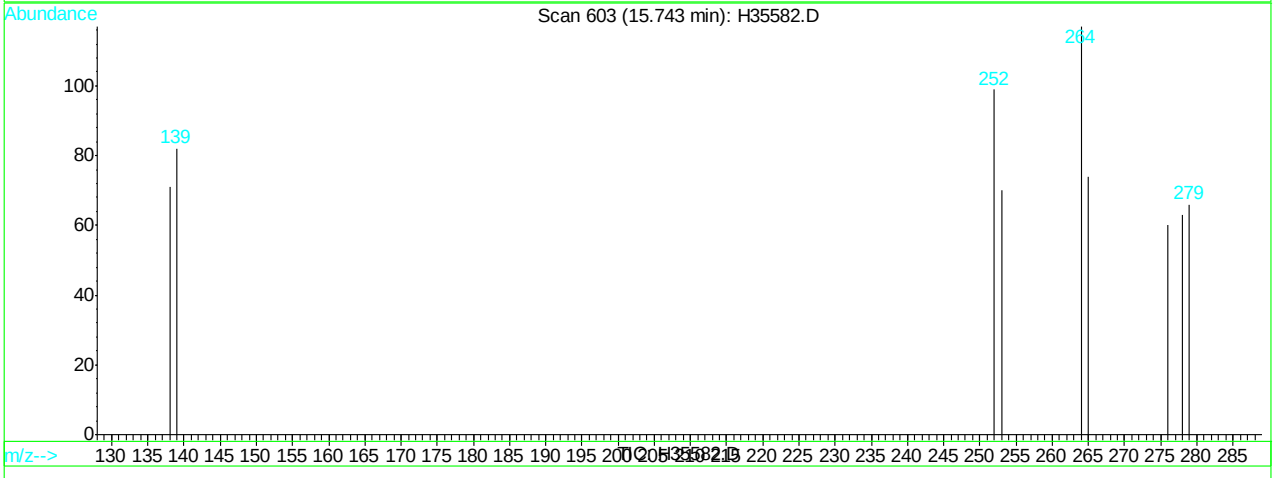
H35582.D H10239SP.M Tue Oct 27 15:21:03 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35582.D Vial: 4
Acq On : 23 Oct 2009 12:08 pm Operator: sheilac
Sample : ic1920-0.1 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:59 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(27) Benzo[b]fluoranthene (T)

15.74min 0.14ppb m

response 169

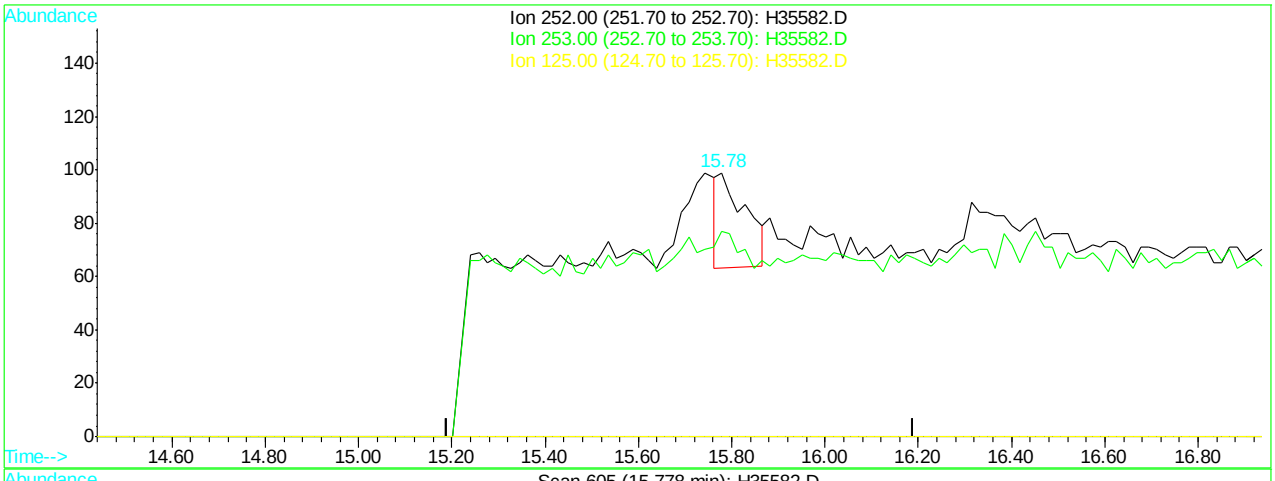
Ion	Exp%	Act%
252.00	100	100
253.00	23.50	70.71#
125.00	0.00	0.00
0.00	0.00	0.00

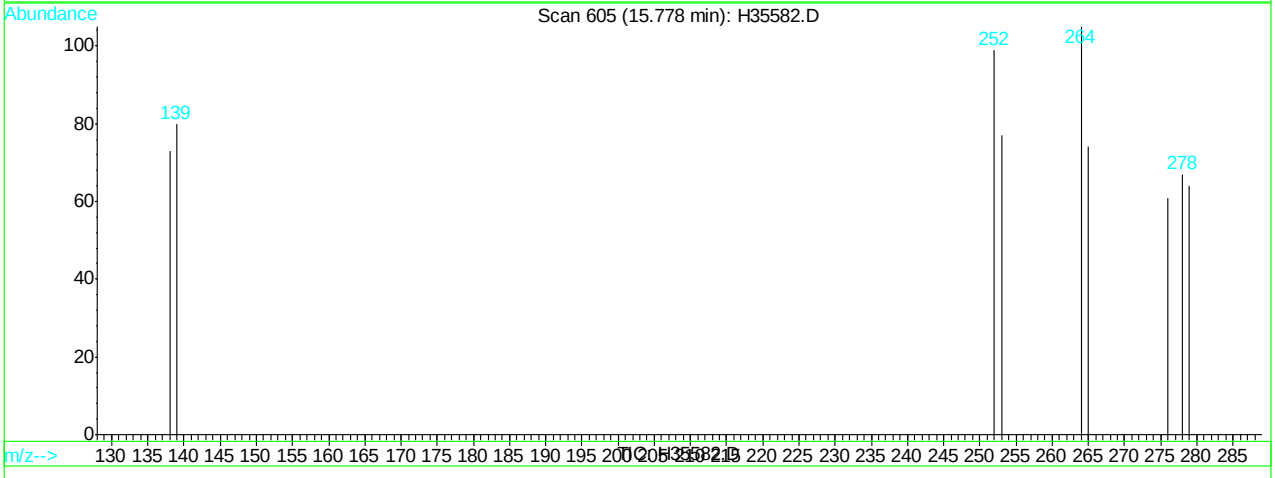
H35582.D H10239SP.M Tue Oct 27 15:21:06 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35582.D Vial: 4
Acq On : 23 Oct 2009 12:08 pm Operator: sheilac
Sample : ic1920-0.1 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:59 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.78min 0.07ppb m

response 149

Ion	Exp%	Act%
252.00	100	100
253.00	24.00	77.78#
125.00	0.00	0.00
0.00	0.00	0.00

H35582.D H10239SP.M Tue Oct 27 15:21:09 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez 10/27/09 17:13

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1920\H35583.D Vial: 5
Acq On : 23 Oct 2009 12:40 pm Operator: sheilac
Sample : ic1920-0.2 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:01 2009 Quant Results File: H10239SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Fri Oct 23 13:17:49 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.63	152	85205	4.00	ppb	-0.03
4) Naphthalene-d8	7.54	136	63649	4.00	ppb	-0.03
9) Acenaphthene-d10	9.57	164	51651	4.00	ppb	0.00
15) Phenanthrene-d10	11.11	188	51126	4.00	ppb	0.02
21) Chrysene-d12	13.94	240	7193	4.00	ppb	0.03
26) Perylene-d12	16.40	264	3706	4.00	ppb	0.04

System Monitoring Compounds

5) Nitrobenzene-d5	6.42	82	708	0.16	ppb	-0.14
Spiked Amount 5.000	Range 17 - 131		Recovery	=	3.20%#	
10) 2-Fluorobiphenyl	8.90	172	25082	0.60	ppb	0.03
Spiked Amount 5.000	Range 15 - 137		Recovery	=	12.00%#	
16) 2,4,6-Tribromophenol	10.47	330	1445m	0.92	ppb	0.07
Spiked Amount 10.000	Range 10 - 123		Recovery	=	9.20%#	
23) Terphenyl-d14	12.69	244	1024	0.57	ppb	0.03
Spiked Amount 5.000	Range 10 - 160		Recovery	=	11.40%	

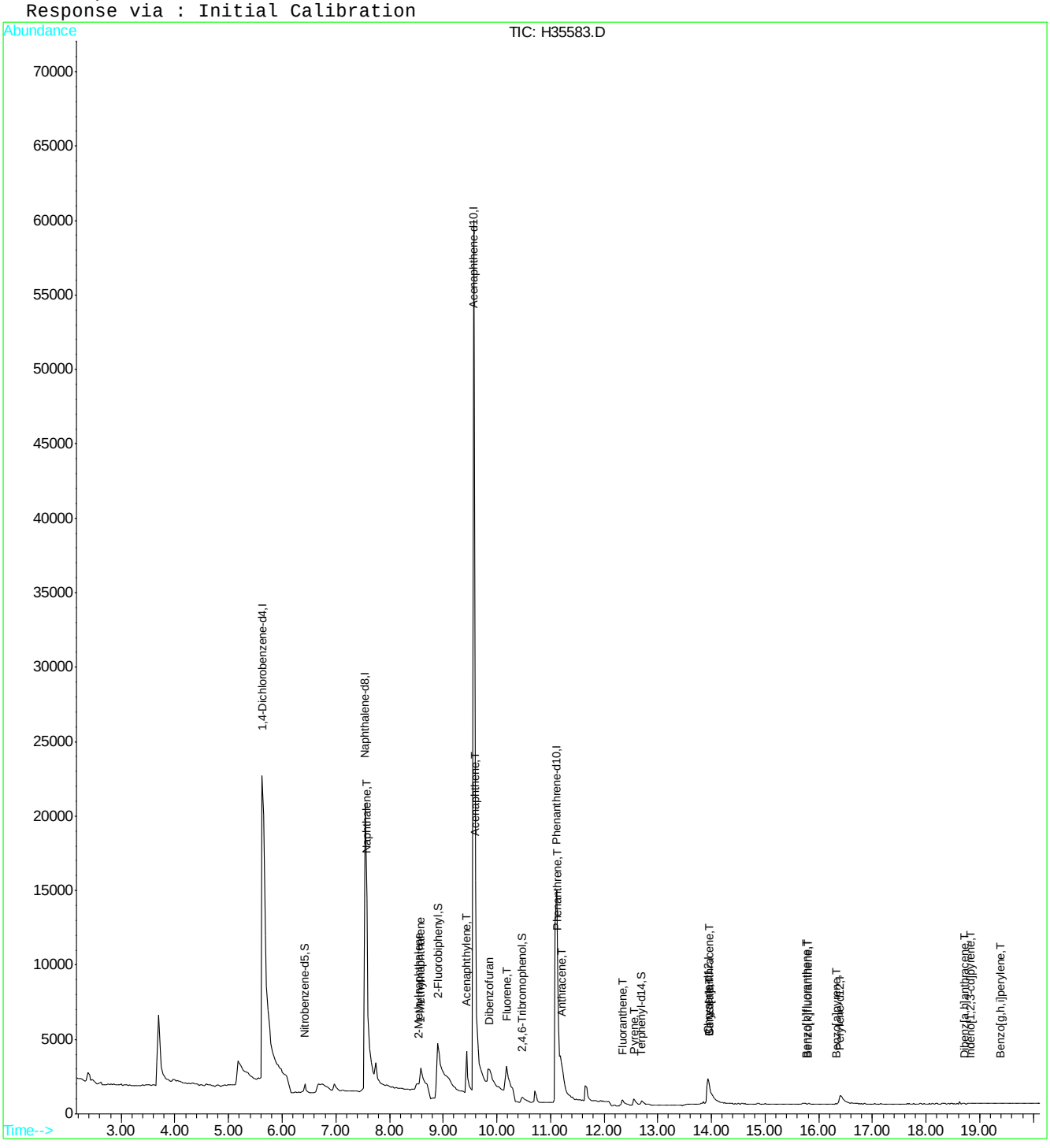
Target Compounds							Qvalue
6) Naphthalene	7.57	128	4750	0.14	ppb		95
7) 2-Methylnaphthalene	8.55	142	1205m	0.06	ppb		
8) 1-Methylnaphthalene	8.58	142	3921m	0.12	ppb		
11) Acenaphthylene	9.44	152	5491	0.16	ppb		92
12) Acenaphthene	9.60	153	5259	0.17	ppb		89
13) Dibenzofuran	9.87	168	5741	0.15	ppb	#	92
14) Fluorene	10.19	166	2903	0.14	ppb		89
18) Phenanthrene	11.13	178	3950m	0.16	ppb		
19) Anthracene	11.21	178	5407	0.19	ppb		92
20) Fluoranthene	12.34	202	1466	0.11	ppb		98
22) Pyrene	12.56	202	1787	0.15	ppb		100
24) Benzo[a]anthracene	13.95	228	287m	0.15	ppb		
25) Chrysene	13.95	228	561m	0.18	ppb		
27) Benzo[b]fluoranthene	15.76	252	207m	0.21	ppb		
28) Benzo[k]fluoranthene	15.79	252	123m	0.08	ppb		
29) Benzo[a]pyrene	16.33	252	77	0.06	ppb	#	56
30) Indeno[1,2,3-cd]pyrene	18.82	276	48	0.06	ppb	#	45
31) Dibenz[a,h]anthracene	18.72	278	18	0.03	ppb	#	1
32) Benzo[g,h,i]perylene	19.39	276	43	0.06	ppb	#	1

(#) = qualifier out of range (m) = manual integration
H35583.D H10239SP.M Tue Oct 27 15:21:18 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1920\H35583.D Vial: 5
Acq On : 23 Oct 2009 12:40 pm Operator: sheilac
Sample : ic1920-0.2 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:01 2009 Quant Results File: H10239SP.RES

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Initial Calibration

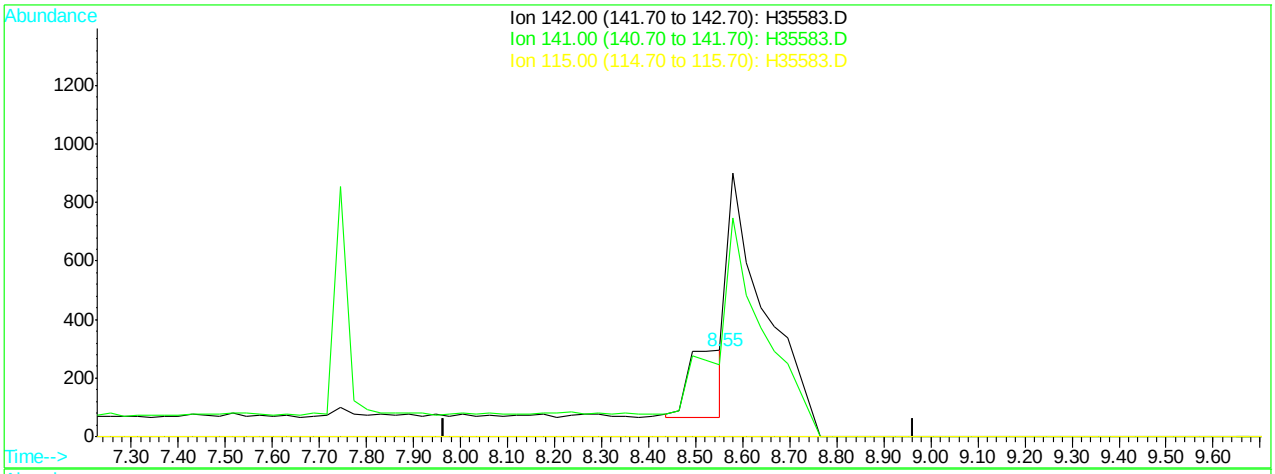


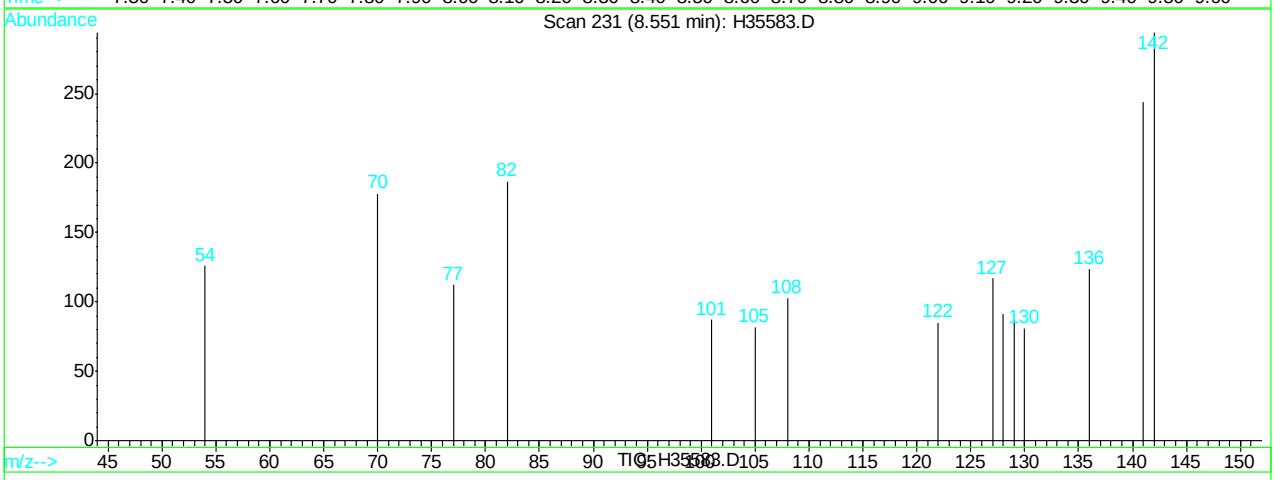
ACCUTEST Laboratories T39513

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35583.D Vial: 5
Acq On : 23 Oct 2009 12:40 pm Operator: sheilac
Sample : ic1920-0.2 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:01 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(7) 2-Methylnaphthalene

8.55min 0.06ppb m

response 1205

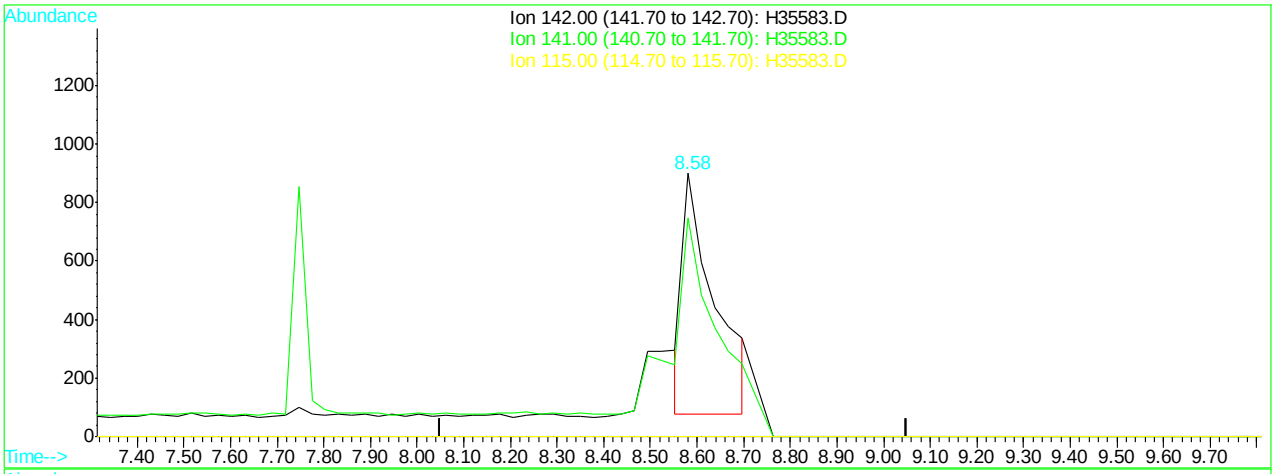
Ion	Exp%	Act%
142.00	100	100
141.00	0.00	483.07#
115.00	0.00	0.00
0.00	0.00	0.00

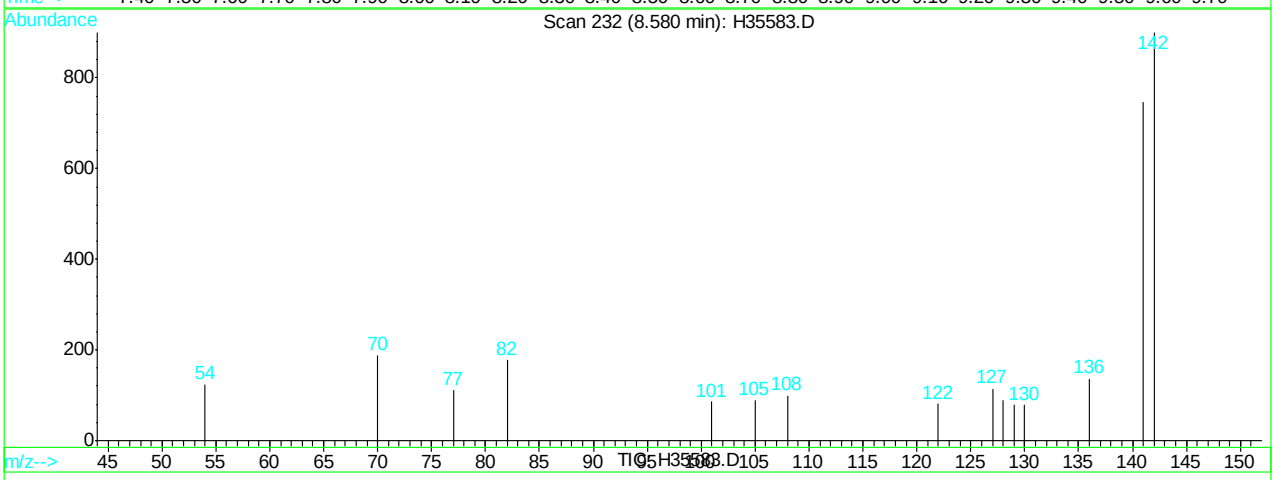
H35583.D H10239SP.M Tue Oct 27 15:21:40 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35583.D Vial: 5
Acq On : 23 Oct 2009 12:40 pm Operator: sheilac
Sample : ic1920-0.2 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:01 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(8) 1-Methylnaphthalene

8.58min 0.12ppb m

response 3921

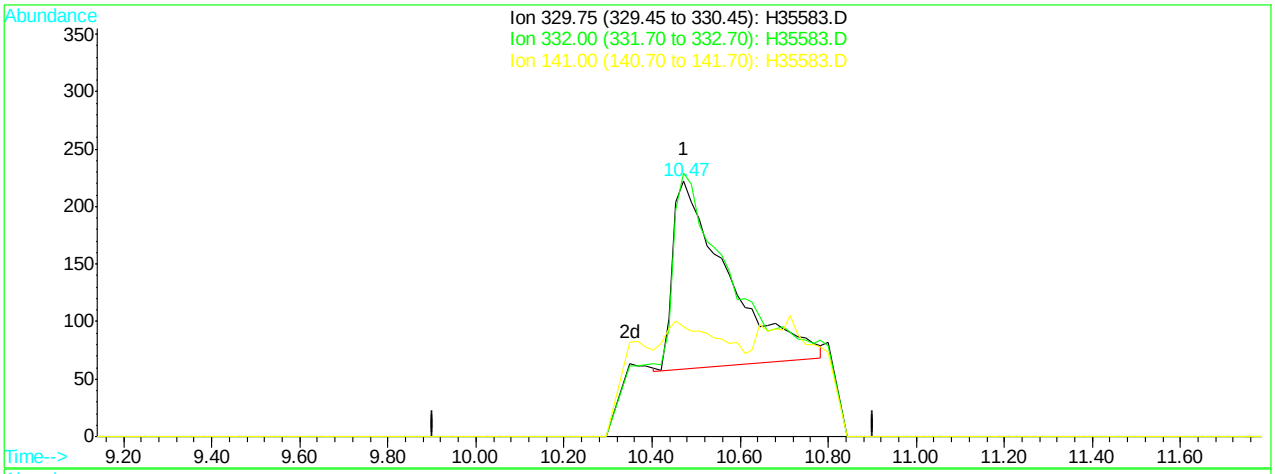
Ion	Exp%	Act%
142.00	100	100
141.00	135.10	148.46
115.00	0.00	0.00
0.00	0.00	0.00

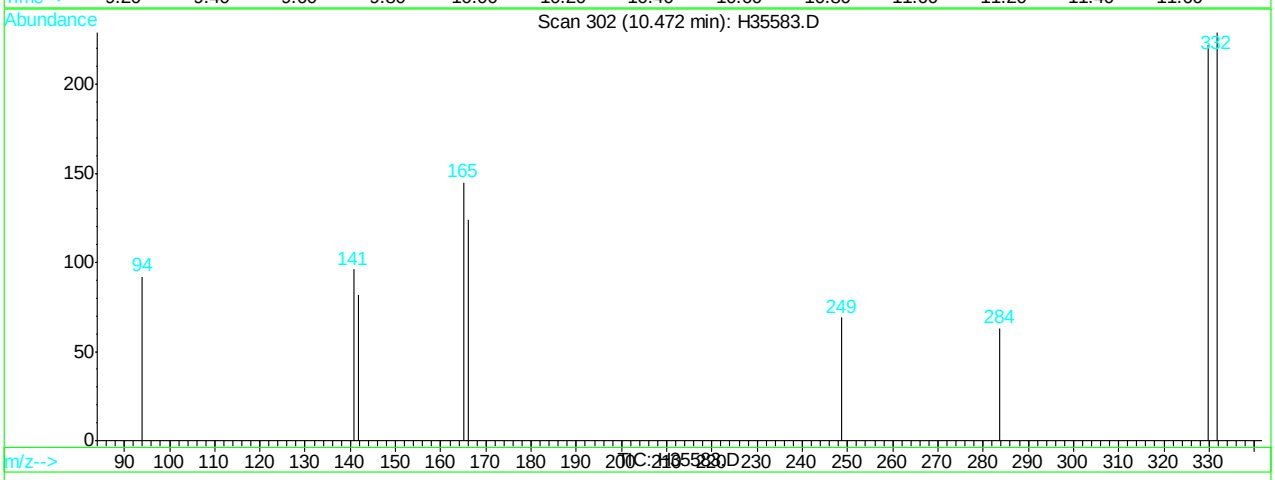
H35583.D H10239SP.M Tue Oct 27 15:21:43 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35583.D Vial: 5
Acq On : 23 Oct 2009 12:40 pm Operator: sheilac
Sample : ic1920-0.2 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:01 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(16) 2,4,6-Tribromophenol (S)

10.47min 0.92ppb m

response 1445

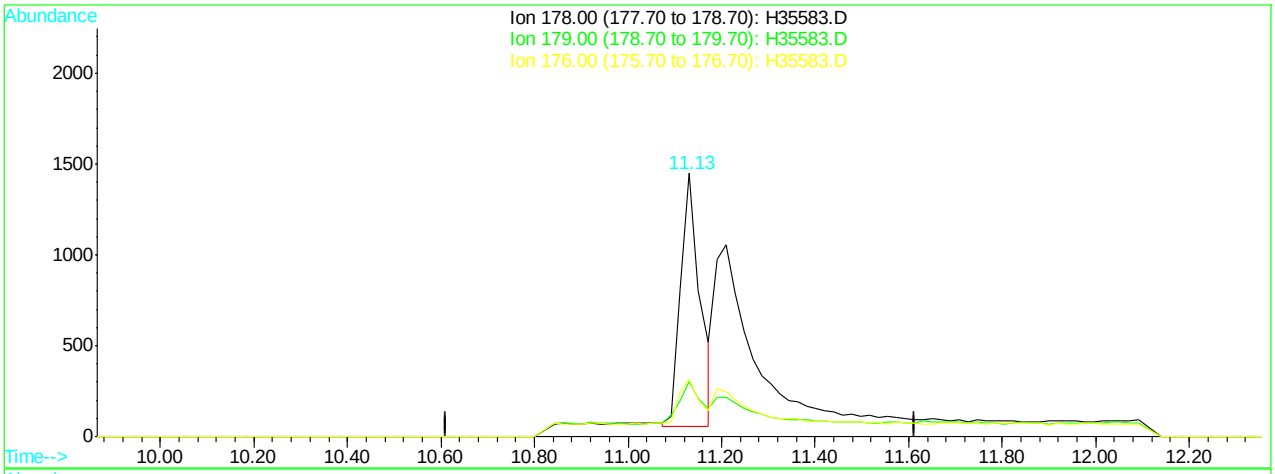
Ion	Exp%	Act%
329.75	100	100
332.00	97.50	256.61#
141.00	15.60	75.50#
0.00	0.00	0.00

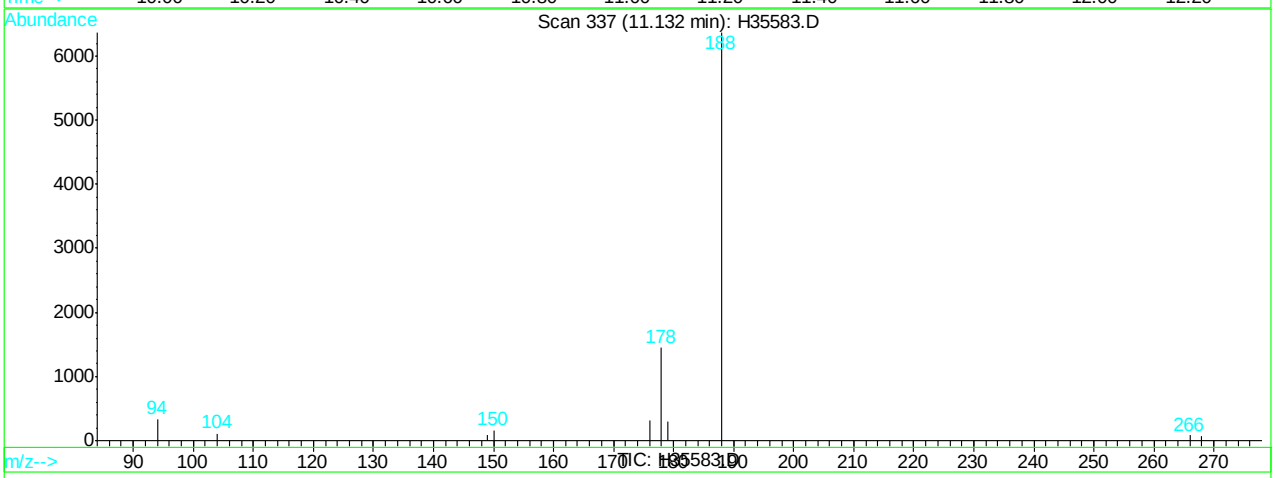
H35583.D H10239SP.M Tue Oct 27 15:21:48 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35583.D Vial: 5
Acq On : 23 Oct 2009 12:40 pm Operator: sheilac
Sample : ic1920-0.2 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:01 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(18) Phenanthrene (T)

11.13min 0.16ppb m

response 3950

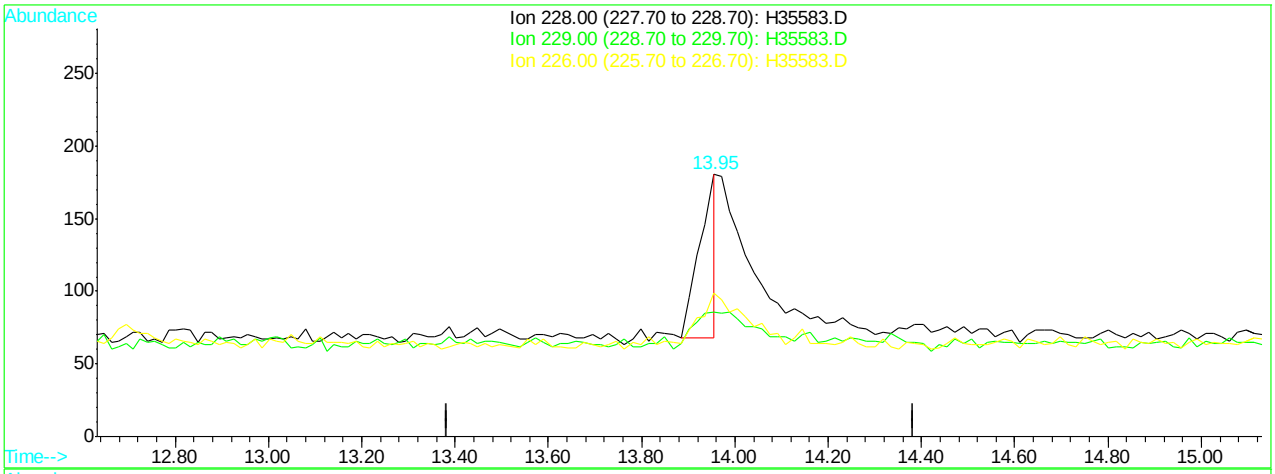
Ion	Exp%	Act%
178.00	100	100
179.00	11.60	20.98#
176.00	24.90	21.88
0.00	0.00	0.00

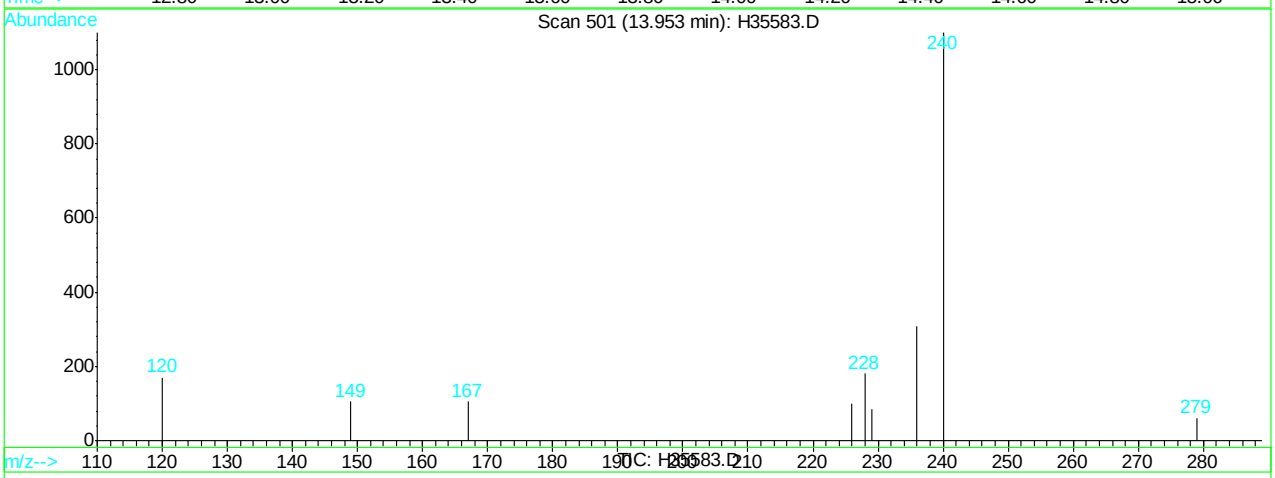
H35583.D H10239SP.M Tue Oct 27 15:21:54 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35583.D Vial: 5
Acq On : 23 Oct 2009 12:40 pm Operator: sheilac
Sample : ic1920-0.2 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:01 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(24) Benzo[a]anthracene (T)

13.95min 0.15ppb m

response 287

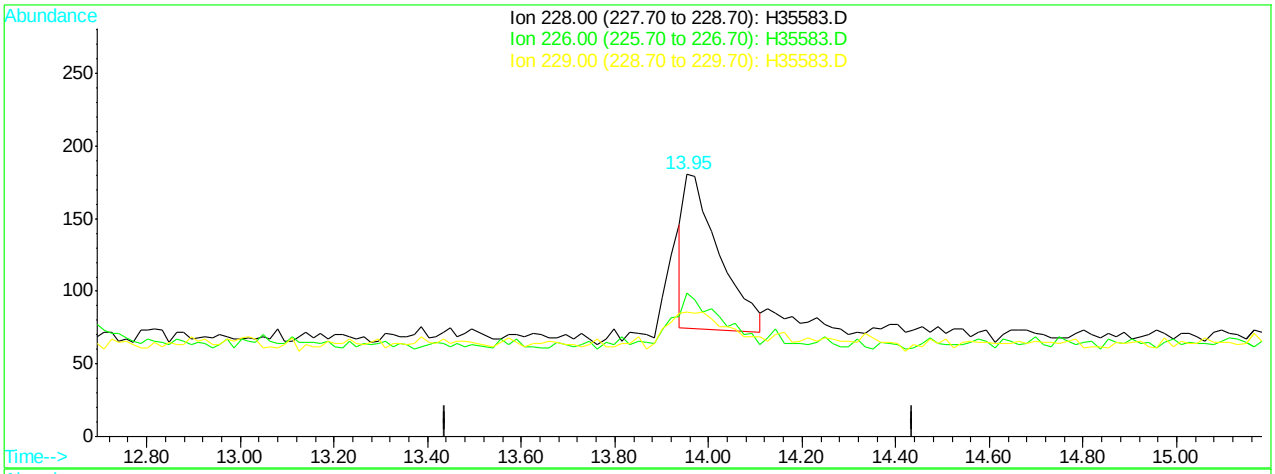
Ion	Exp%	Act%
228.00	100	100
229.00	19.80	47.51#
226.00	27.40	54.70#
0.00	0.00	0.00

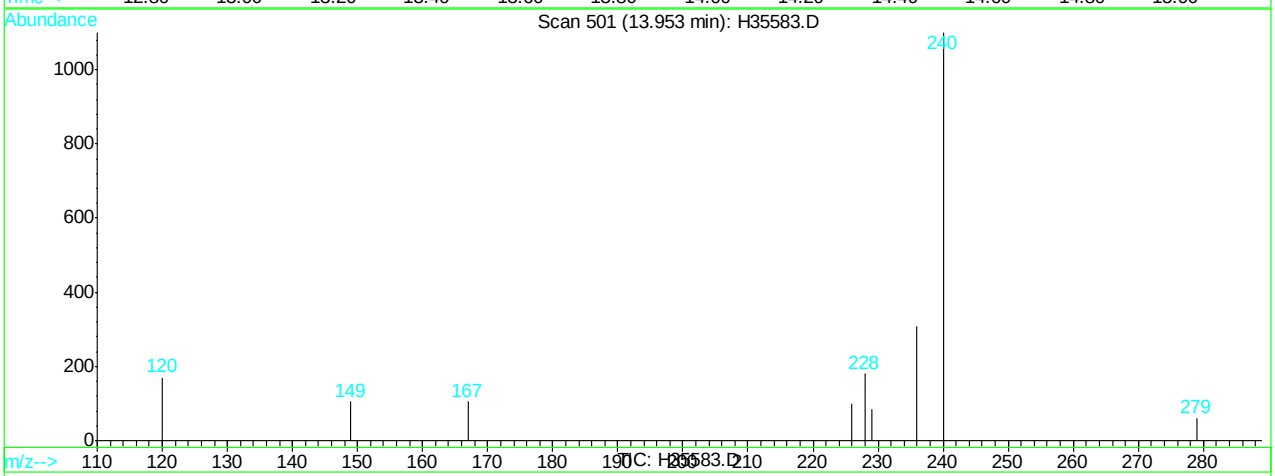
H35583.D H10239SP.M Tue Oct 27 15:21:59 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35583.D Vial: 5
Acq On : 23 Oct 2009 12:40 pm Operator: sheilac
Sample : ic1920-0.2 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:01 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(25) Chrysene (T)

13.95min 0.18ppb m

response 561

Ion	Exp%	Act%
228.00	100	100
226.00	30.10	54.70#
229.00	20.20	47.51#
0.00	0.00	0.00

H35583.D H10239SP.M Tue Oct 27 15:22:03 2009

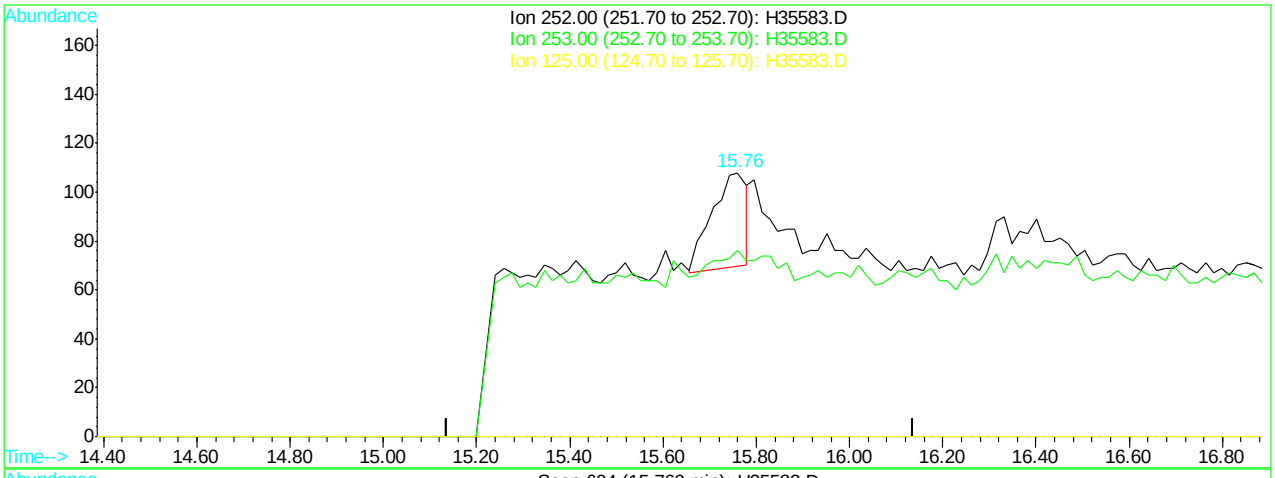
8.6.18.6

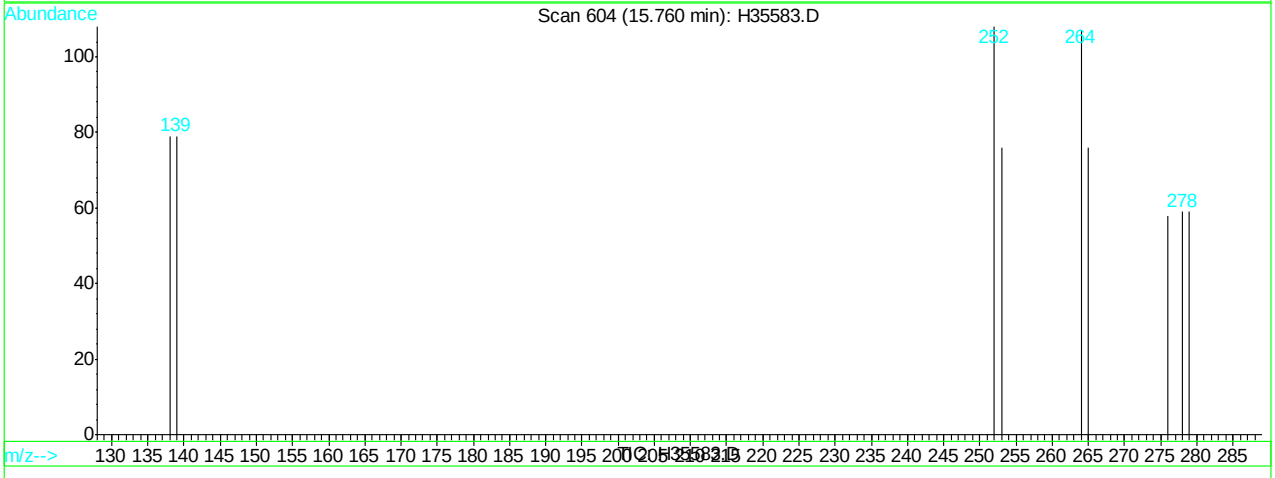
8

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35583.D Vial: 5
Acq On : 23 Oct 2009 12:40 pm Operator: sheilac
Sample : ic1920-0.2 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:01 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(27) Benzo[b]fluoranthene (T)

15.76min 0.21ppb m

response 207

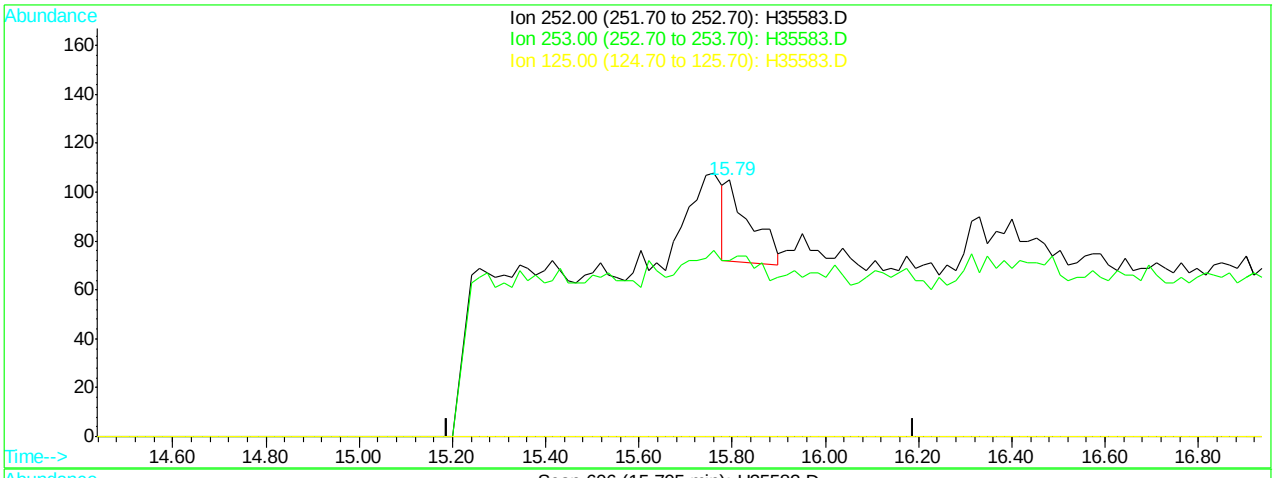
Ion	Exp%	Act%
252.00	100	100
253.00	23.50	70.37#
125.00	0.00	0.00
0.00	0.00	0.00

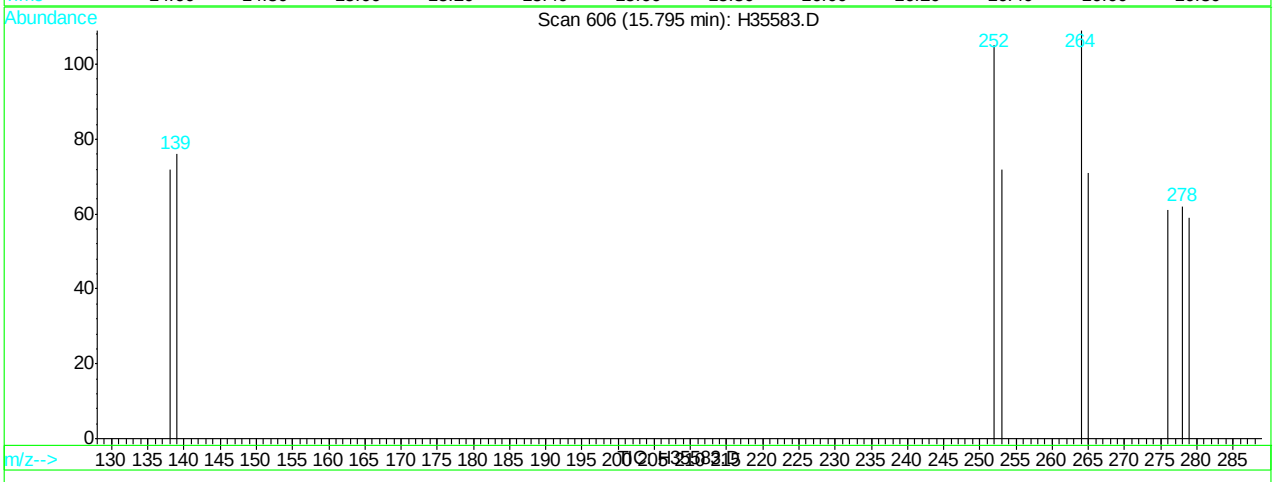
H35583.D H10239SP.M Tue Oct 27 15:22:07 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35583.D Vial: 5
Acq On : 23 Oct 2009 12:40 pm Operator: sheilac
Sample : ic1920-0.2 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:01 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.79min 0.08ppb m

response 123

Ion	Exp%	Act%
252.00	100	100
253.00	24.00	68.57#
125.00	0.00	0.00
0.00	0.00	0.00

H35583.D H10239SP.M Tue Oct 27 15:22:12 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez 10/27/09 17:13

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1920\H35584.D Vial: 6
Acq On : 23 Oct 2009 1:07 pm Operator: sheilac
Sample : ic1920-5 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:02 2009 Quant Results File: H10239SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Fri Oct 23 13:17:49 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.63	152	102874	4.00	ppb	-0.03
4) Naphthalene-d8	7.54	136	94728	4.00	ppb	-0.03
9) Acenaphthene-d10	9.57	164	73734	4.00	ppb	0.00
15) Phenanthrene-d10	11.09	188	85223	4.00	ppb	0.00
21) Chrysene-d12	13.90	240	10579	4.00	ppb	0.00
26) Perylene-d12	16.38	264	3626	4.00	ppb	0.02

System Monitoring Compounds

5) Nitrobenzene-d5	6.57	82	83261	12.98	ppb	0.00
Spiked Amount 5.000	Range 17 - 131		Recovery = 259.60%#			
10) 2-Fluorobiphenyl	8.87	172	986966	16.59	ppb	0.00
Spiked Amount 5.000	Range 15 - 137		Recovery = 331.80%#			
16) 2,4,6-Tribromophenol	10.40	330	179757	68.76	ppb	0.00
Spiked Amount 10.000	Range 10 - 123		Recovery = 687.60%#			
23) Terphenyl-d14	12.66	244	85395	32.41	ppb	0.00
Spiked Amount 5.000	Range 10 - 160		Recovery = 648.20%#			

Target Compounds

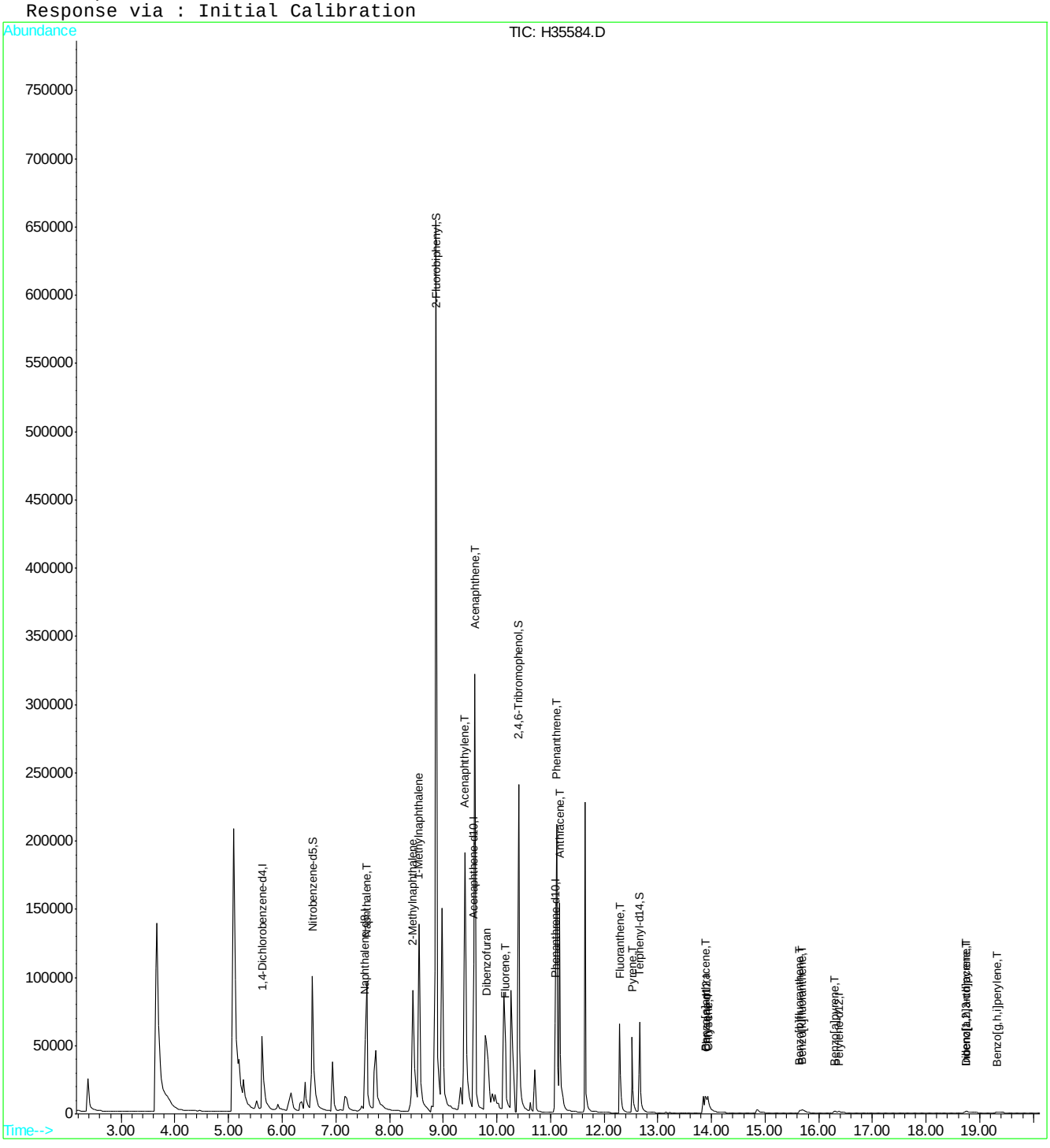
							Qvalue
6) Naphthalene	7.57	128	131910	2.67	ppb	#	90
7) 2-Methylnaphthalene	8.44	142	150782	5.31	ppb	#	100
8) 1-Methylnaphthalene	8.55	142	198968	3.99	ppb	#	53
11) Acenaphthylene	9.41	152	254664m	5.23	ppb		
12) Acenaphthene	9.59	153	211244	4.78	ppb	#	74
13) Dibenzofuran	9.81	168	121389	2.27	ppb		87
14) Fluorene	10.16	166	83315	2.90	ppb		94
18) Phenanthrene	11.11	178	208638	5.20	ppb	#	87
19) Anthracene	11.17	178	202396	4.37	ppb	#	86
20) Fluoranthene	12.29	202	105299	4.71	ppb		97
22) Pyrene	12.52	202	100235m	5.74	ppb		
24) Benzo[a]anthracene	13.88	228	11718m	4.09	ppb		
25) Chrysene	13.94	228	26802m	5.69	ppb		
27) Benzo[b]fluoranthene	15.64	252	5387m	5.58	ppb		
28) Benzo[k]fluoranthene	15.69	252	11016m	6.96	ppb		
29) Benzo[a]pyrene	16.30	252	6594	5.48	ppb		98
30) Indeno[1,2,3-cd]pyrene	18.75	276	4576	5.89	ppb		94
31) Dibenz[a,h]anthracene	18.75	278	3080	4.92	ppb		96
32) Benzo[g,h,i]perylene	19.32	276	3995	5.38	ppb		90

(#) = qualifier out of range (m) = manual integration
H35584.D H10239SP.M Tue Oct 27 15:22:23 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1920\H35584.D Vial: 6
Acq On : 23 Oct 2009 1:07 pm Operator: sheilac
Sample : ic1920-5 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:02 2009 Quant Results File: H10239SP.RES

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Initial Calibration

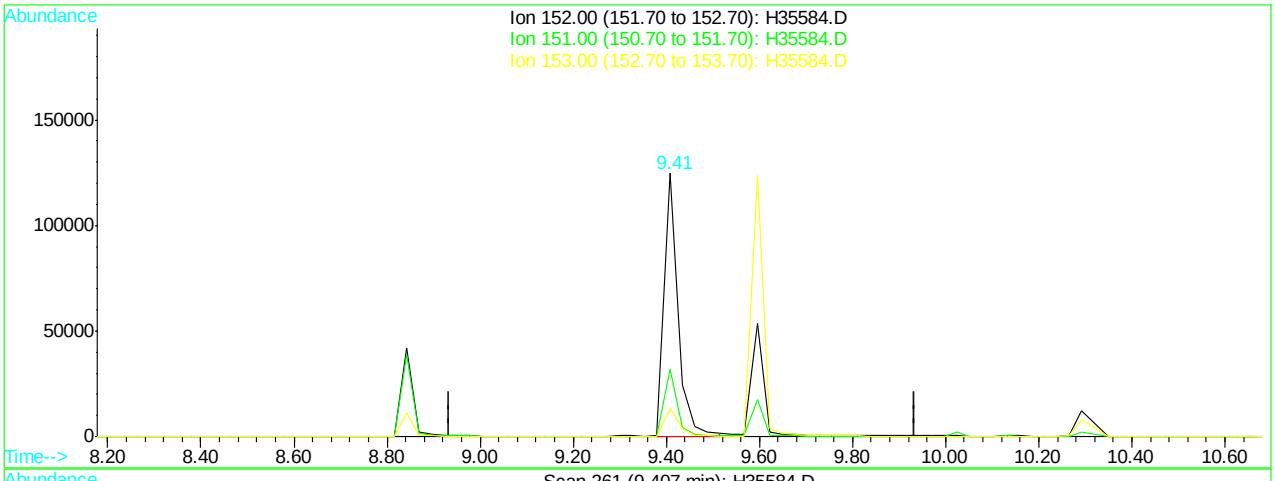


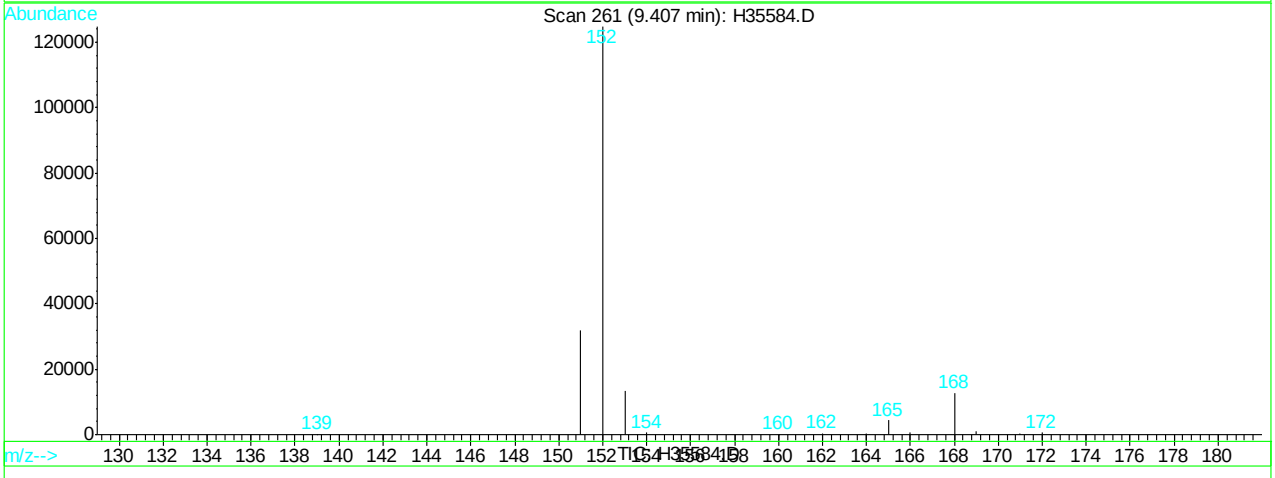
ACCUTEST Laboratories T39513

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35584.D Vial: 6
Acq On : 23 Oct 2009 1:07 pm Operator: sheilac
Sample : ic1920-5 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:02 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(11) Acenaphthylene (T)

9.41min 5.23ppb m

response 254664

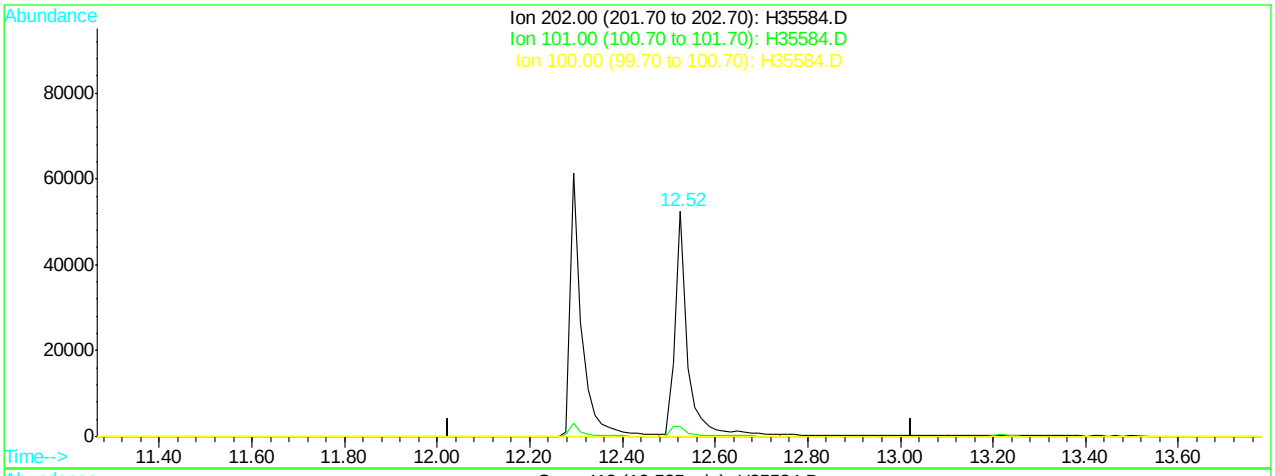
Ion	Exp%	Act%
152.00	100	100
151.00	18.20	25.61#
153.00	15.60	10.85#
0.00	0.00	0.00

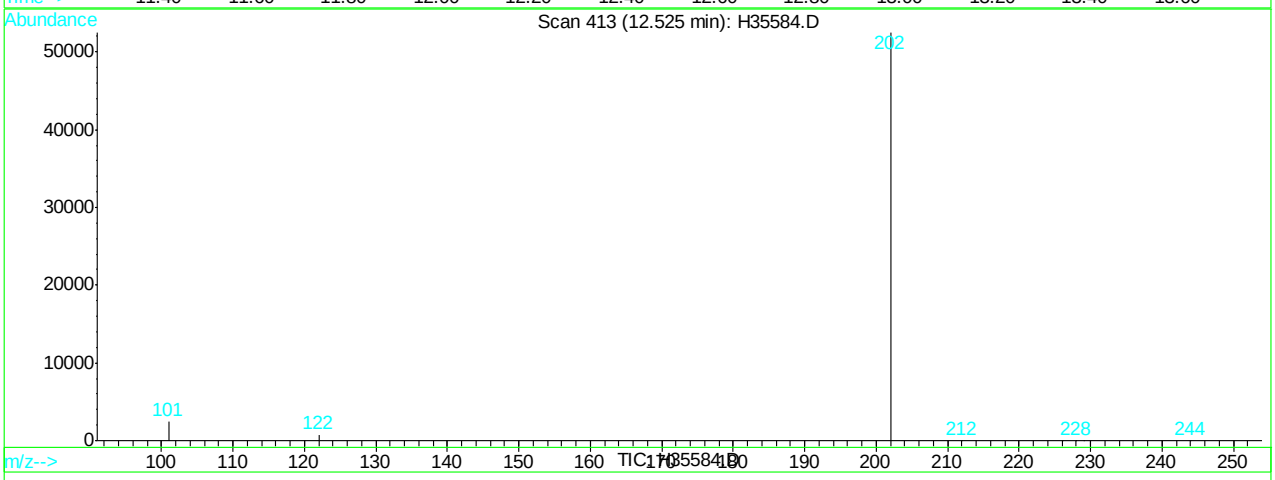
H35584.D H10239SP.M Tue Oct 27 15:23:16 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35584.D Vial: 6
Acq On : 23 Oct 2009 1:07 pm Operator: sheilac
Sample : ic1920-5 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:02 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(22) Pyrene (T)

12.52min 5.74ppb m

response 100235

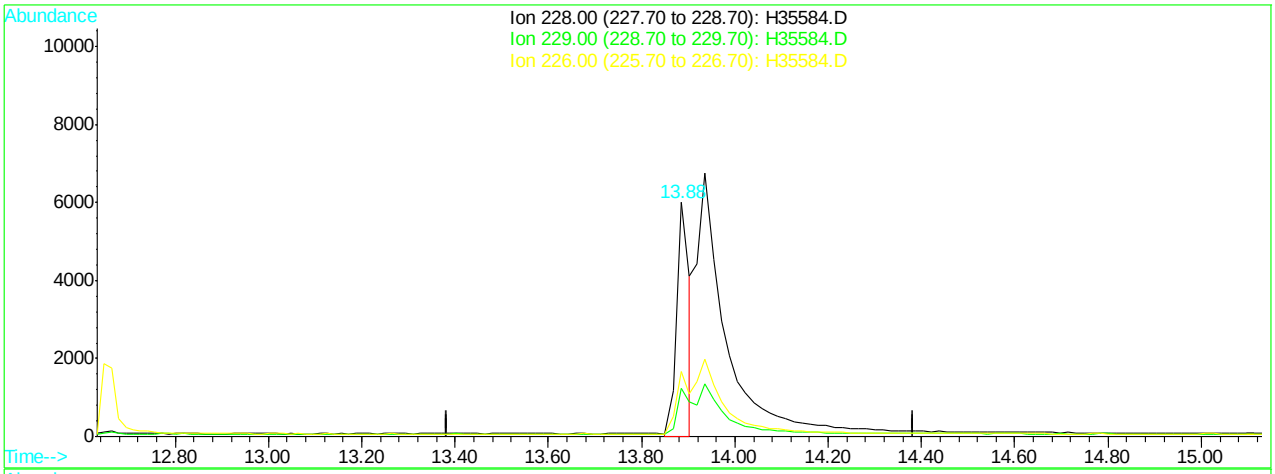
Ion	Exp%	Act%
202.00	100	100
101.00	6.80	4.74#
100.00	0.00	0.00
0.00	0.00	0.00

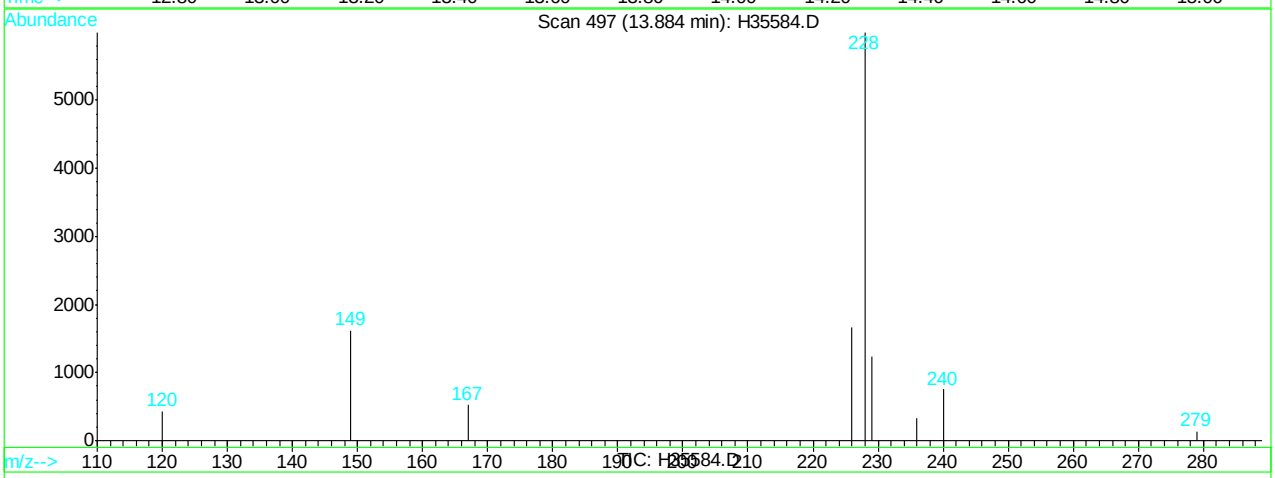
H35584.D H10239SP.M Tue Oct 27 15:23:22 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35584.D Vial: 6
Acq On : 23 Oct 2009 1:07 pm Operator: sheilac
Sample : ic1920-5 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:02 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(24) Benzo[a]anthracene (T)

13.88min 4.09ppb m

response 11718

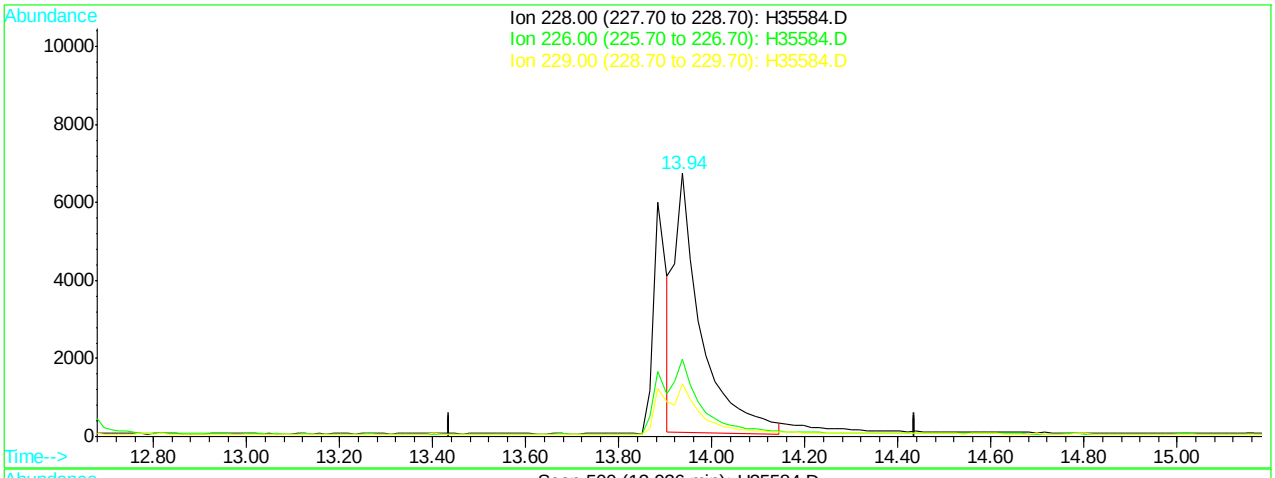
Ion	Exp%	Act%
228.00	100	100
229.00	19.80	20.60
226.00	27.40	27.64
0.00	0.00	0.00

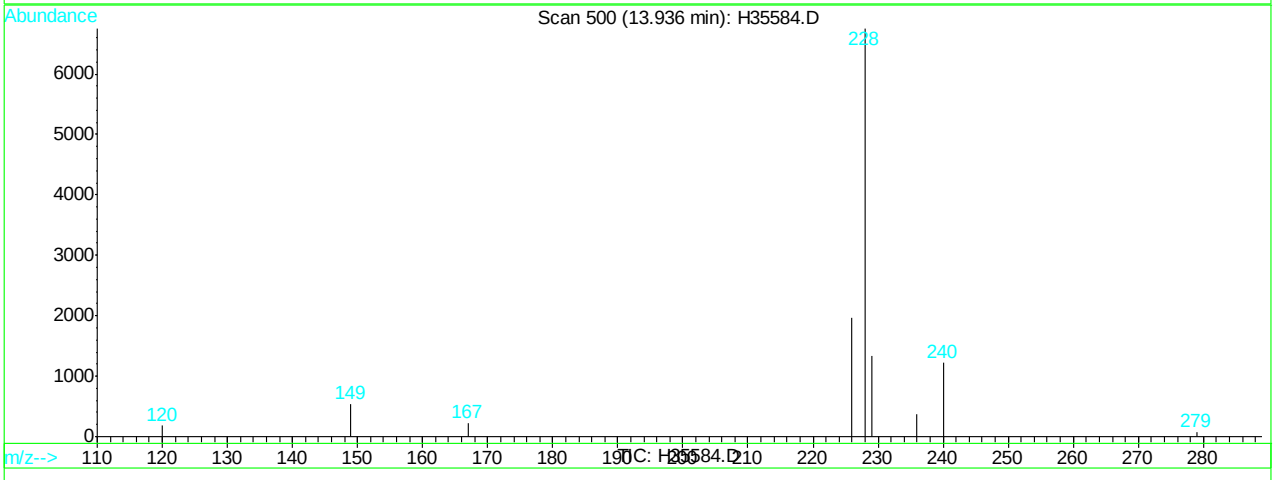
H35584.D H10239SP.M Tue Oct 27 15:23:25 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35584.D Vial: 6
Acq On : 23 Oct 2009 1:07 pm Operator: sheilac
Sample : ic1920-5 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:02 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(25) Chrysene (T)

13.94min 5.69ppb m

response 26802

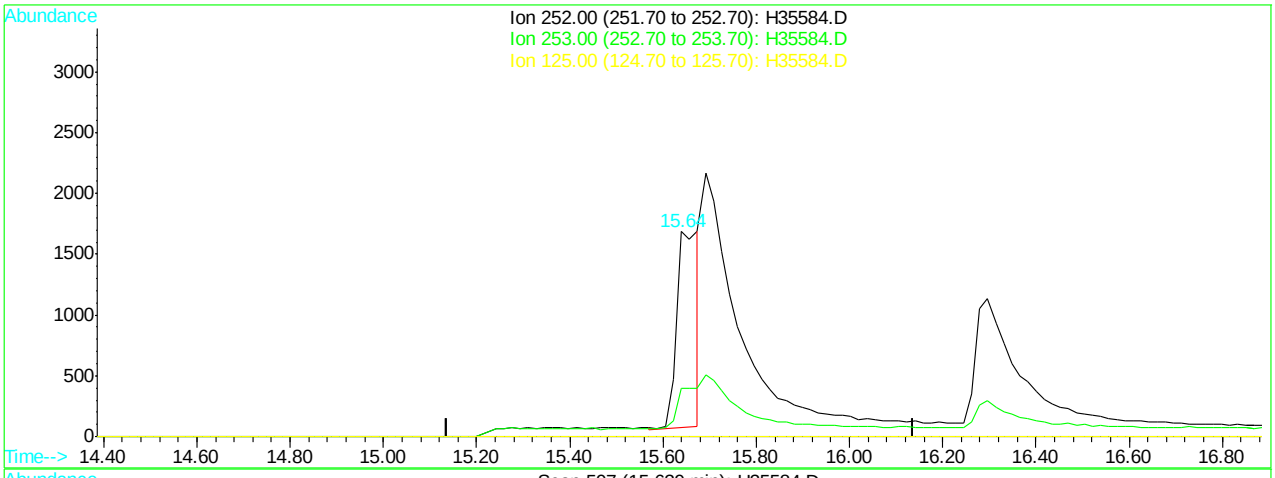
Ion	Exp%	Act%
228.00	100	100
226.00	30.10	29.24
229.00	20.20	19.92
0.00	0.00	0.00

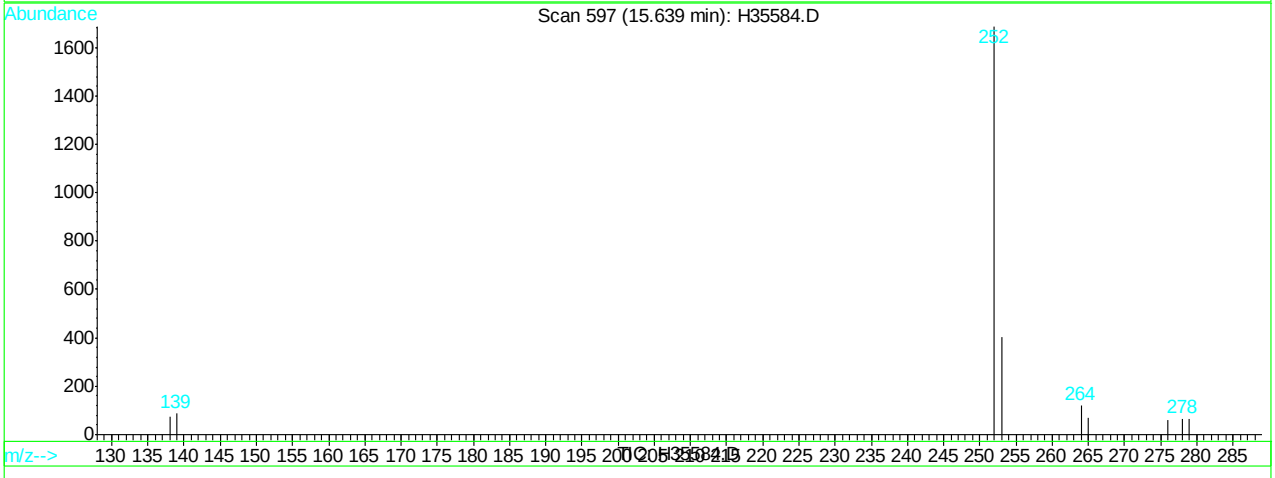
H35584.D H10239SP.M Tue Oct 27 15:23:29 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35584.D Vial: 6
Acq On : 23 Oct 2009 1:07 pm Operator: sheilac
Sample : ic1920-5 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:02 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(27) Benzo[b]fluoranthene (T)

15.64min 5.58ppb m

response 5387

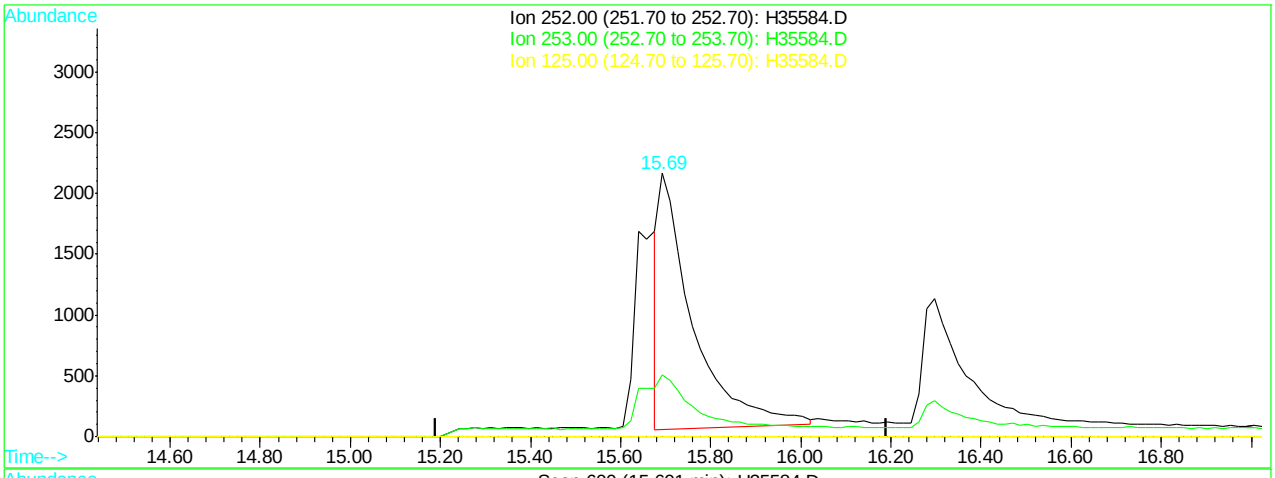
Ion	Exp%	Act%
252.00	100	100
253.00	23.50	23.78
125.00	0.00	0.00
0.00	0.00	0.00

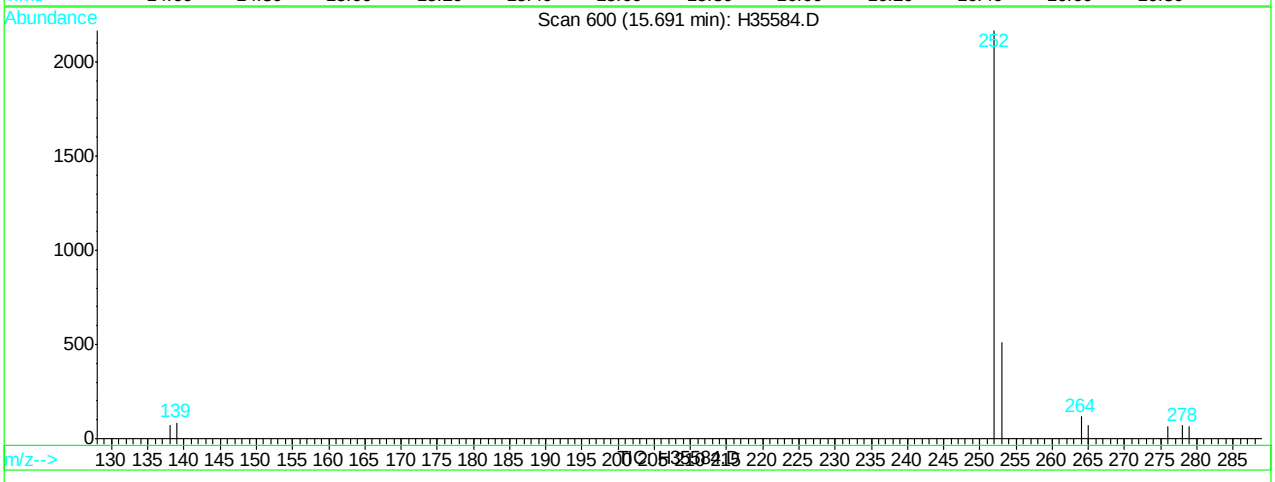
H35584.D H10239SP.M Tue Oct 27 15:23:34 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35584.D Vial: 6
Acq On : 23 Oct 2009 1:07 pm Operator: sheilac
Sample : ic1920-5 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:02 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.69min 6.96ppb m

response 11016

Ion	Exp%	Act%
252.00	100	100
253.00	24.00	23.59
125.00	0.00	0.00
0.00	0.00	0.00

H35584.D H10239SP.M Tue Oct 27 15:23:38 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez 10/27/09 17:13

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1920\H35585.D Vial: 7
Acq On : 23 Oct 2009 1:31 pm Operator: sheilac
Sample : ic1920-10 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:53 2009 Quant Results File: H10239SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Fri Oct 23 13:17:49 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.63	152	112006	4.00	ppb	-0.03
4) Naphthalene-d8	7.54	136	102360	4.00	ppb	-0.03
9) Acenaphthene-d10	9.57	164	82651	4.00	ppb	0.00
15) Phenanthrene-d10	11.09	188	105276	4.00	ppb	0.00
21) Chrysene-d12	13.89	240	16336	4.00	ppb	-0.02
26) Perylene-d12	16.38	264	4933	4.00	ppb	0.02

System Monitoring Compounds

5) Nitrobenzene-d5	6.57	82	235956	34.03	ppb	0.00
Spiked Amount 5.000	Range 17 - 131		Recovery = 680.60%#			
10) 2-Fluorobiphenyl	8.87	172	2949666	44.22	ppb	0.00
Spiked Amount 5.000	Range 15 - 137		Recovery = 884.40%#			
16) 2,4,6-Tribromophenol	10.40	330	383317	118.70	ppb	0.00
Spiked Amount 10.000	Range 10 - 123		Recovery = 1187.00%#			
23) Terphenyl-d14	12.66	244	303763	74.65	ppb	0.00
Spiked Amount 5.000	Range 10 - 160		Recovery = 1493.00%#			

Target Compounds

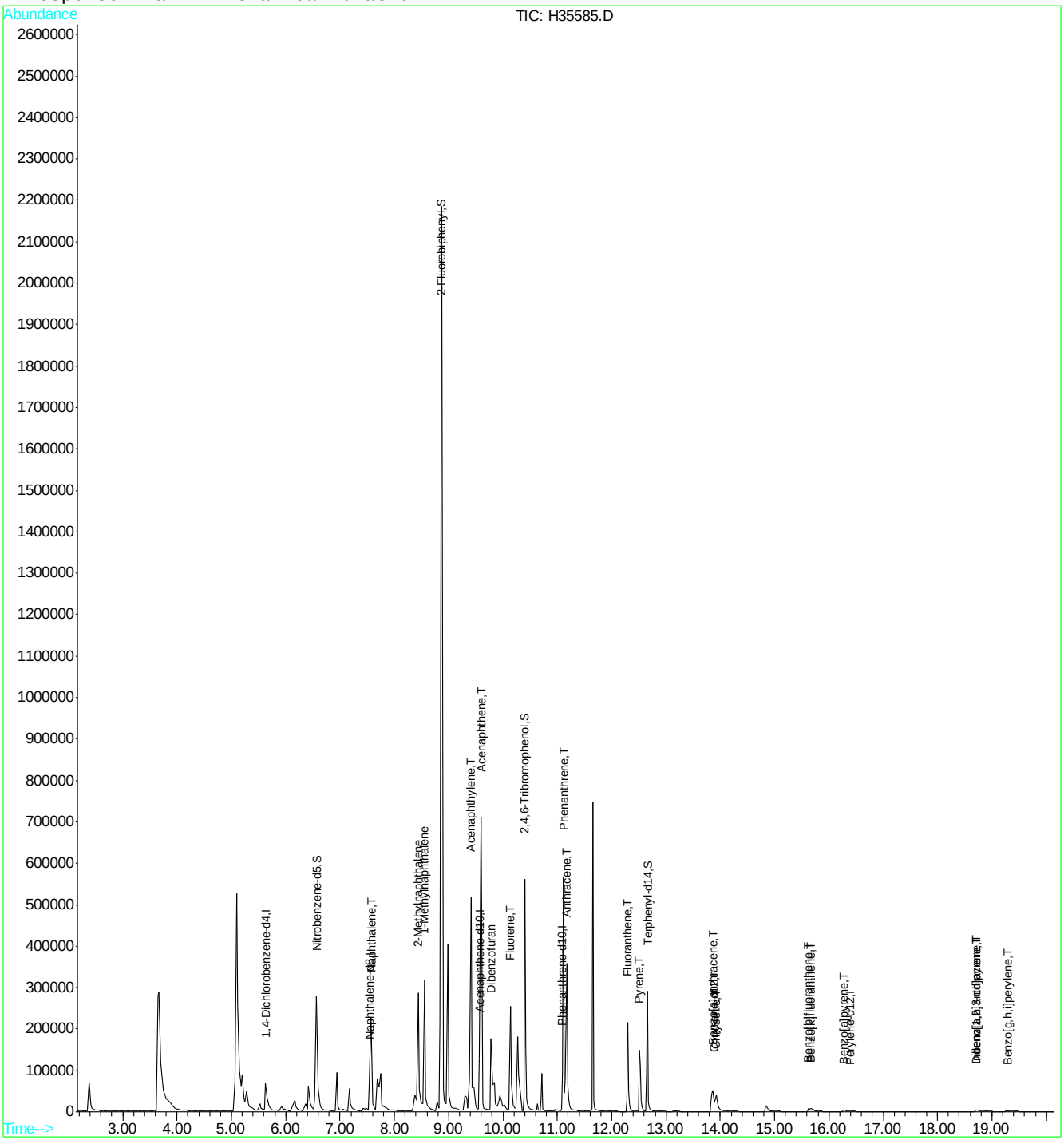
							Qvalue
6) Naphthalene	7.57	128	302375	5.67	ppb	#	90
7) 2-Methylnaphthalene	8.44	142	335058m	10.93	ppb		
8) 1-Methylnaphthalene	8.55	142	425662	7.90	ppb	#	52
11) Acenaphthylene	9.41	152	655028	11.99	ppb		89
12) Acenaphthene	9.60	153	462765	9.34	ppb		79
13) Dibenzofuran	9.78	168	275766	4.59	ppb		92
14) Fluorene	10.13	166	178801	5.56	ppb	#	25
18) Phenanthrene	11.11	178	505519m	10.20	ppb		
19) Anthracene	11.17	178	449171m	7.84	ppb		
20) Fluoranthene	12.29	202	280666	10.16	ppb		99
22) Pyrene	12.51	202	263134	9.76	ppb		95
24) Benzo[a]anthracene	13.87	228	54461	12.30	ppb		99
25) Chrysene	13.92	228	67822	9.33	ppb		98
27) Benzo[b]fluoranthene	15.62	252	13485m	10.27	ppb		
28) Benzo[k]fluoranthene	15.67	252	32938m	15.29	ppb		
29) Benzo[a]pyrene	16.28	252	19471	11.90	ppb		99
30) Indeno[1,2,3-cd]pyrene	18.72	276	12883	12.19	ppb		100
31) Dibenz[a,h]anthracene	18.72	278	9048	10.63	ppb		100
32) Benzo[g,h,i]perylene	19.29	276	10366	10.25	ppb		97

(#) = qualifier out of range (m) = manual integration
H35585.D H10239SP.M Tue Oct 27 15:23:46 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1920\H35585.D Vial: 7
Acq On : 23 Oct 2009 1:31 pm Operator: sheilac
Sample : ic1920-10 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:53 2009 Quant Results File: H10239SP.RES

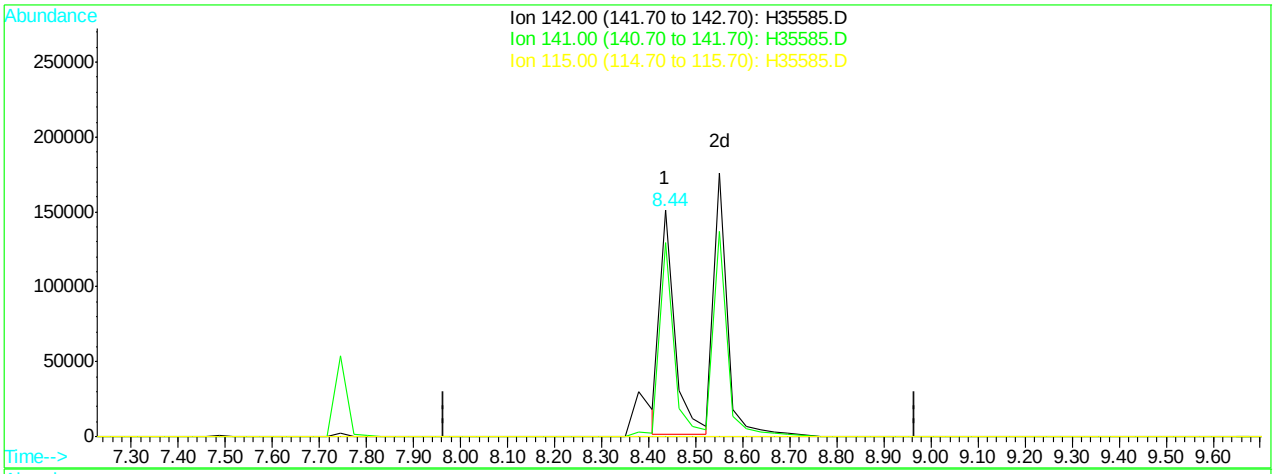
Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Initial Calibration

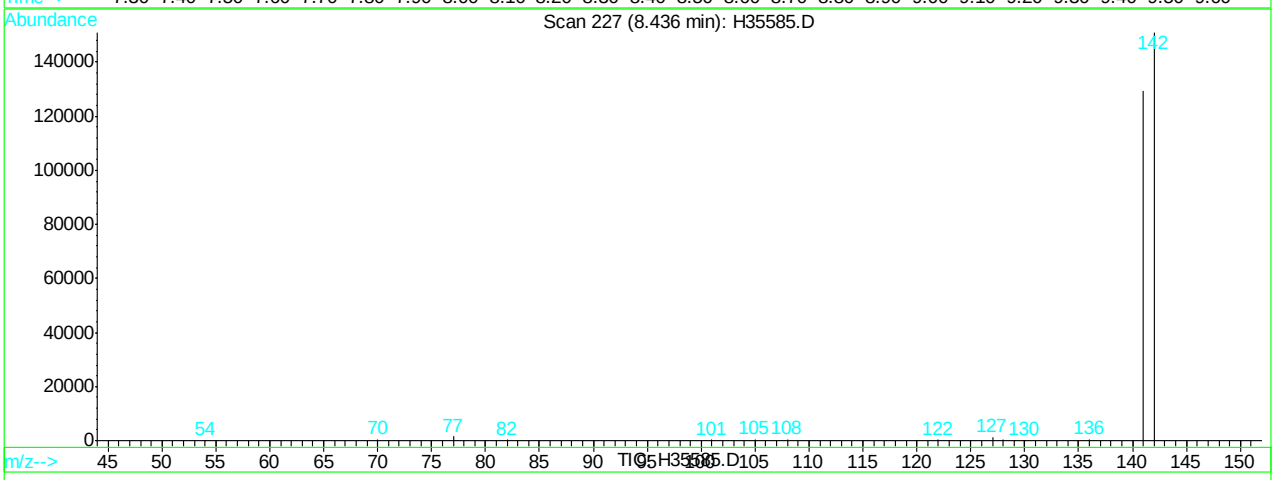


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35585.D Vial: 7
Acq On : 23 Oct 2009 1:31 pm Operator: sheilac
Sample : ic1920-10 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:53 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(7) 2-Methylnaphthalene

8.44min 10.93ppb m

response 335058

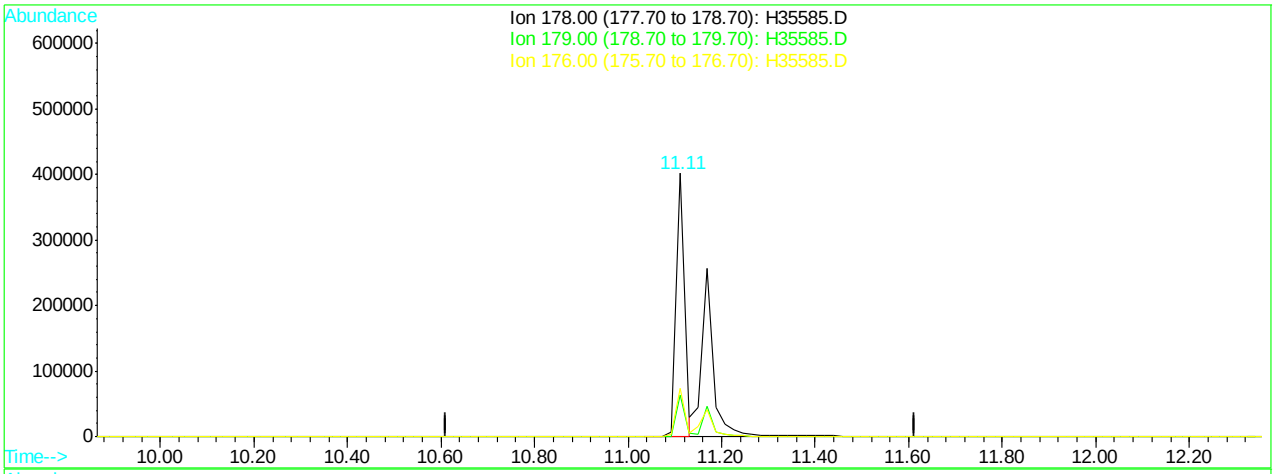
Ion	Exp%	Act%
142.00	100	100
141.00	0.00	84.40#
115.00	0.00	0.00
0.00	0.00	0.00

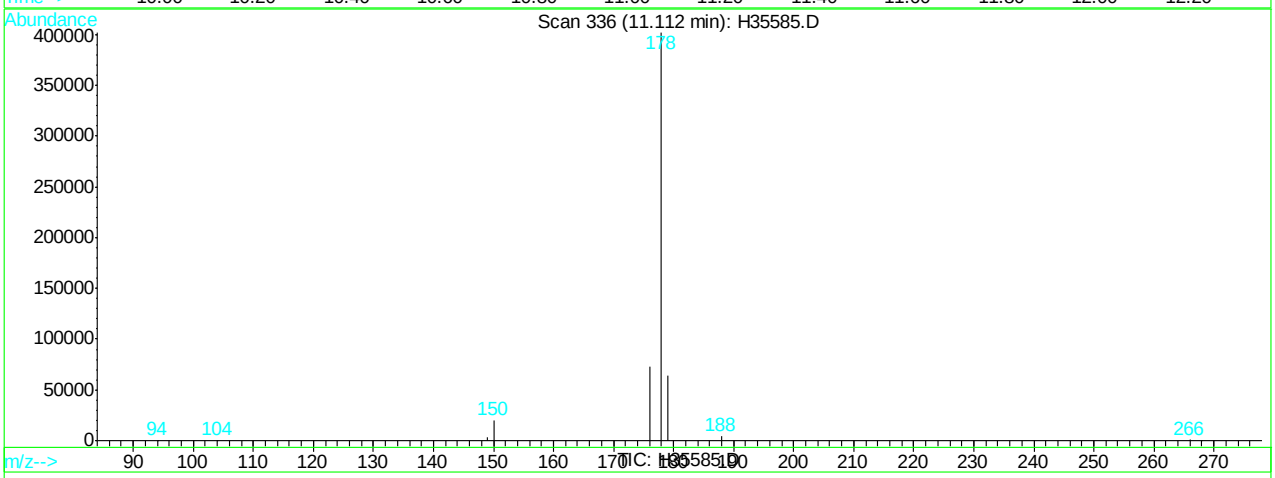
H35585.D H10239SP.M Tue Oct 27 15:24:09 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35585.D Vial: 7
Acq On : 23 Oct 2009 1:31 pm Operator: sheilac
Sample : ic1920-10 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:53 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(18) Phenanthrene (T)

11.11min 10.20ppb m

response 505519

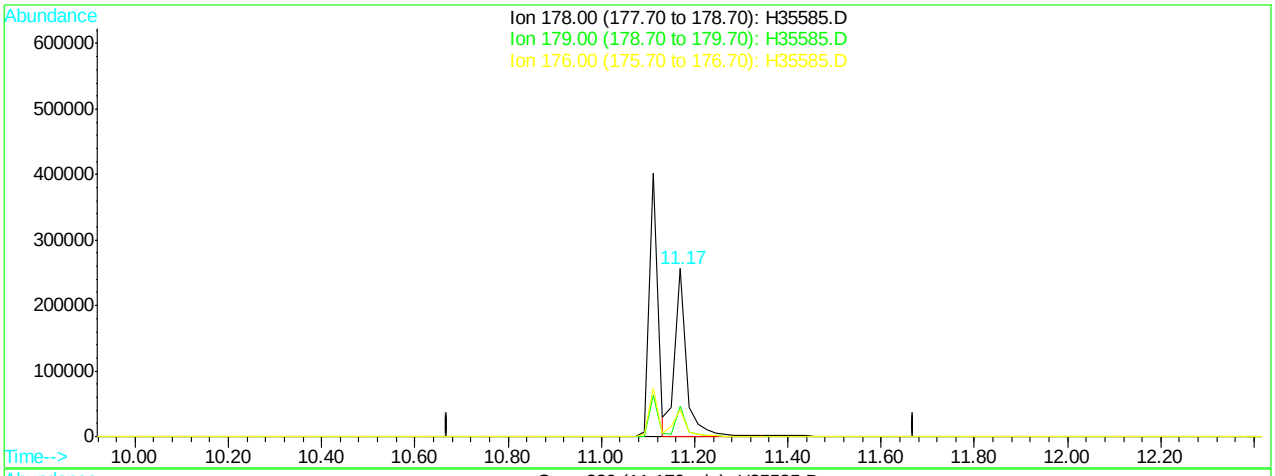
Ion	Exp%	Act%
178.00	100	100
179.00	11.60	15.88#
176.00	24.90	18.19
0.00	0.00	0.00

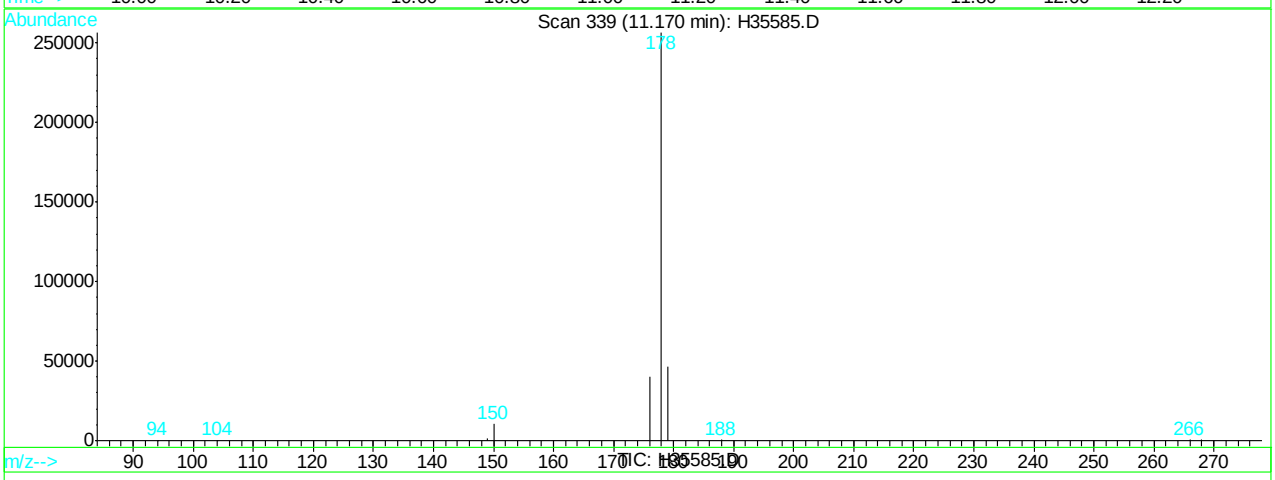
H35585.D H10239SP.M Tue Oct 27 15:24:13 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35585.D Vial: 7
Acq On : 23 Oct 2009 1:31 pm Operator: sheilac
Sample : ic1920-10 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:53 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(19) Anthracene (T)

11.17min 7.84ppb m

response 449171

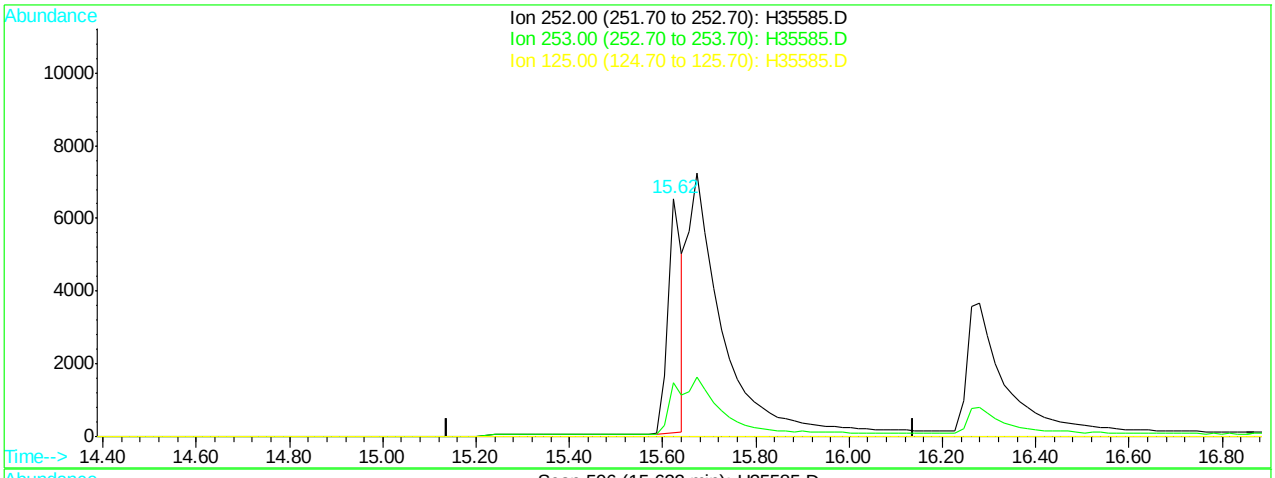
Ion	Exp%	Act%
178.00	100	100
179.00	12.00	18.26#
176.00	23.40	15.79#
0.00	0.00	0.00

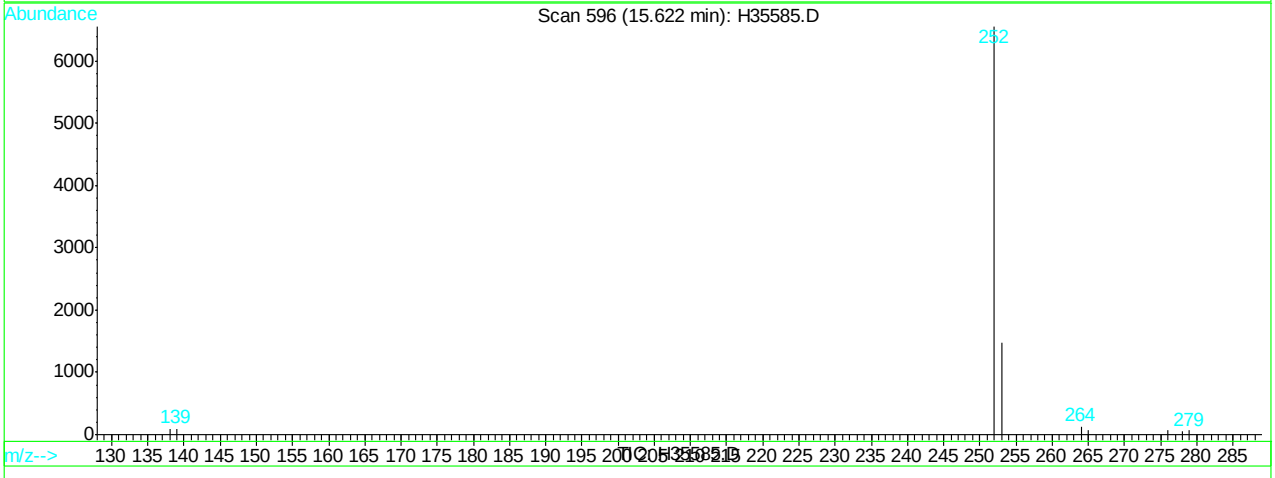
H35585.D H10239SP.M Tue Oct 27 15:24:16 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35585.D Vial: 7
Acq On : 23 Oct 2009 1:31 pm Operator: sheilac
Sample : ic1920-10 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:53 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(27) Benzo[b]fluoranthene (T)

15.62min 10.27ppb m

response 13485

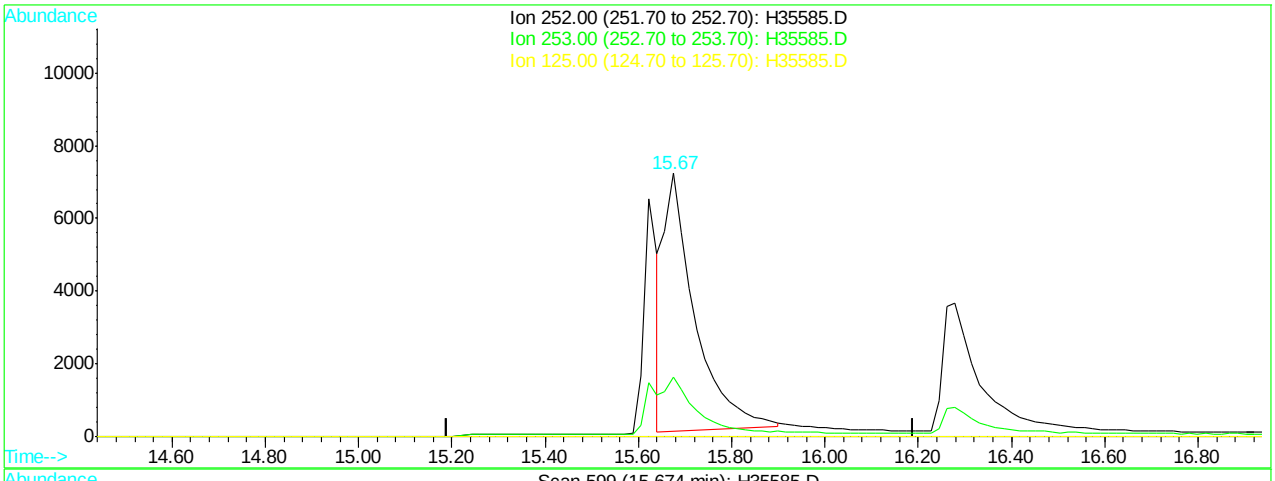
Ion	Exp%	Act%
252.00	100	100
253.00	23.50	22.40
125.00	0.00	0.00
0.00	0.00	0.00

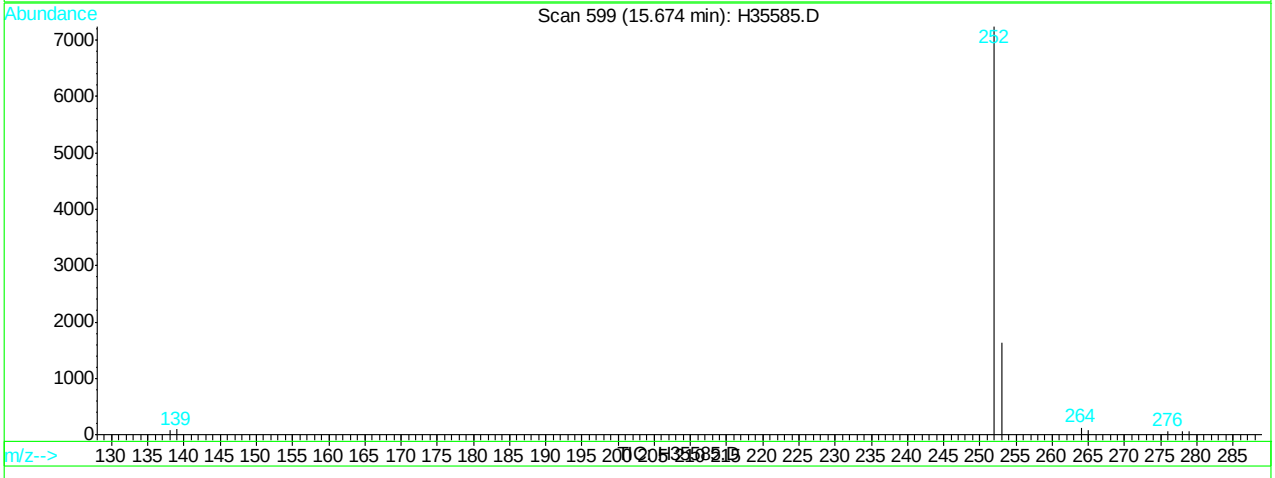
H35585.D H10239SP.M Tue Oct 27 15:24:21 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35585.D Vial: 7
Acq On : 23 Oct 2009 1:31 pm Operator: sheilac
Sample : ic1920-10 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:53 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.67min 15.29ppb m

response 32938

Ion	Exp%	Act%
252.00	100	100
253.00	24.00	22.63
125.00	0.00	0.00
0.00	0.00	0.00

H35585.D H10239SP.M Tue Oct 27 15:24:25 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/27/09 17:13

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1920\H35586.D Vial: 8
Acq On : 23 Oct 2009 2:13 pm Operator: sheilac
Sample : icv1920-2.5 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 15:24 2009 Quant Results File: H10239SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Fri Oct 23 15:22:10 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.63	152	141635	4.00	ppb		0.00
4) Naphthalene-d8	7.54	136	121060	4.00	ppb		0.00
9) Acenaphthene-d10	9.57	164	100331	4.00	ppb		0.00
15) Phenanthrene-d10	11.09	188	108973	4.00	ppb		0.00
21) Chrysene-d12	13.90	240	16569	4.00	ppb		0.00
26) Perylene-d12	16.38	264	7697	4.00	ppb		0.00

System Monitoring Compounds

5) Nitrobenzene-d5	0.00	82	0d	0.00	ppb		
Spiked Amount 5.000	Range 17 - 131		Recovery	=	0.00%#		
10) 2-Fluorobiphenyl	0.00	172	0d	0.00	ppb		
Spiked Amount 5.000	Range 15 - 137		Recovery	=	0.00%#		
16) 2,4,6-Tribromophenol	0.00	330	0d	0.00	ppb		
Spiked Amount 10.000	Range 10 - 123		Recovery	=	0.00%#		
23) Terphenyl-d14	0.00	244	0	0.00	ppb		
Spiked Amount 5.000	Range 10 - 160		Recovery	=	0.00%#		

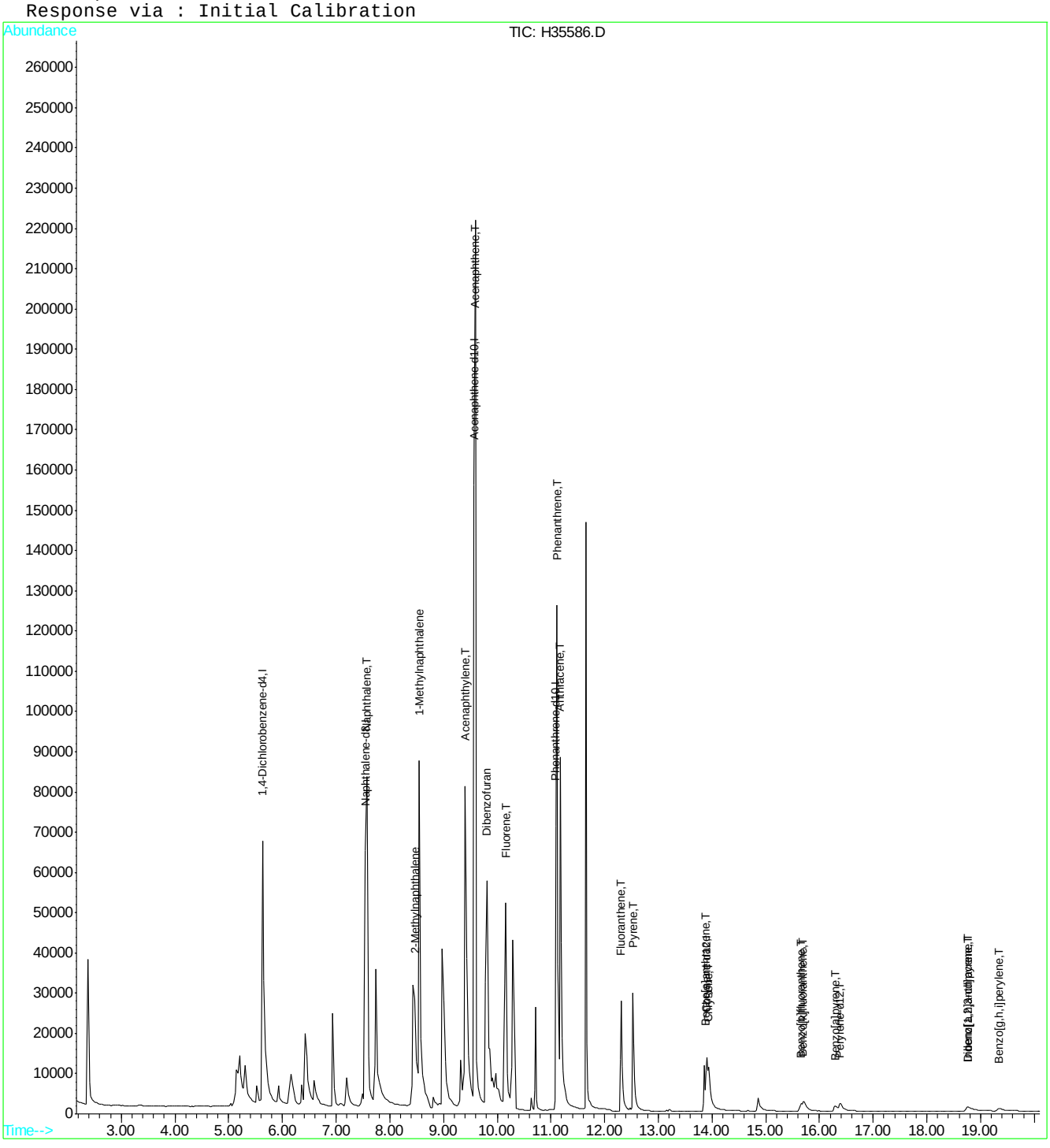
Target Compounds							Qvalue
6) Naphthalene	7.57	128	113075	2.79	ppb		98
7) 2-Methylnaphthalene	8.46	142	78333	2.35	ppb	#	29
8) 1-Methylnaphthalene	8.55	142	131184	2.91	ppb	#	97
11) Acenaphthylene	9.41	152	127700	1.97	ppb		92
12) Acenaphthene	9.59	153	146320	2.61	ppb		86
13) Dibenzofuran	9.81	168	101688	1.99	ppb		92
14) Fluorene	10.16	166	54865	2.07	ppb		98
18) Phenanthrene	11.11	178	125083	2.63	ppb		97
19) Anthracene	11.17	178	140615	2.55	ppb		97
20) Fluoranthene	12.31	202	57039	2.37	ppb	#	93
22) Pyrene	12.53	202	60041	2.21	ppb		97
24) Benzo[a]anthracene	13.88	228	11653m	3.07	ppb		
25) Chrysene	13.94	228	19162m	2.27	ppb		
27) Benzo[b]fluoranthene	15.66	252	4919m	2.34	ppb		
28) Benzo[k]fluoranthene	15.69	252	11174m	2.62	ppb		
29) Benzo[a]pyrene	16.30	252	6567	2.52	ppb		99
30) Indeno[1,2,3-cd]pyrene	18.77	276	4359	2.37	ppb		87
31) Dibenz[a,h]anthracene	18.77	278	3070	2.45	ppb	#	86
32) Benzo[g,h,i]perylene	19.34	276	3710	2.18	ppb		99

(#) = qualifier out of range (m) = manual integration
H35586.D H10239SP.M Tue Oct 27 15:24:33 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1920\H35586.D Vial: 8
Acq On : 23 Oct 2009 2:13 pm Operator: sheilac
Sample : icv1920-2.5 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 15:24 2009 Quant Results File: H10239SP.RES

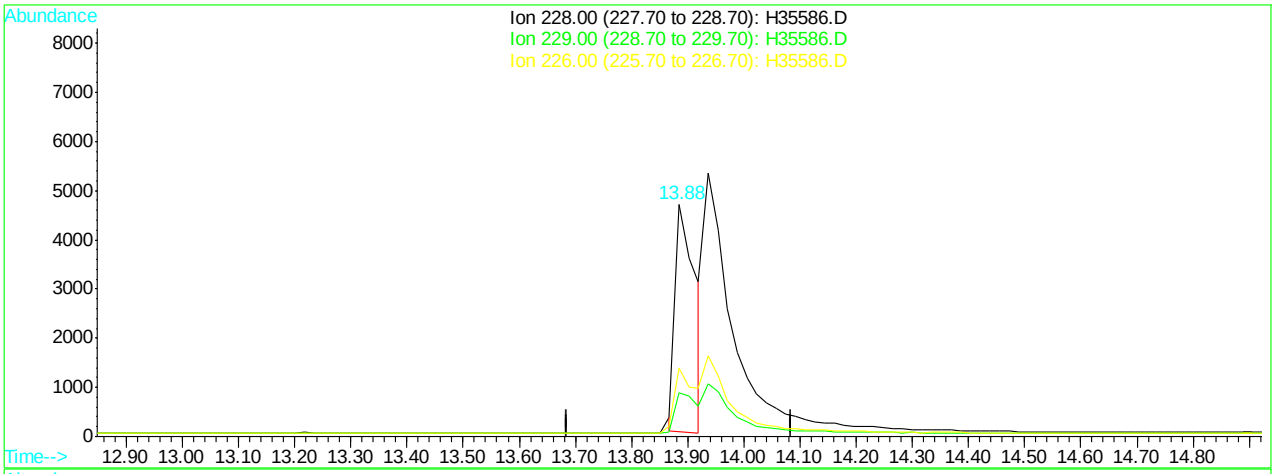
Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Initial Calibration

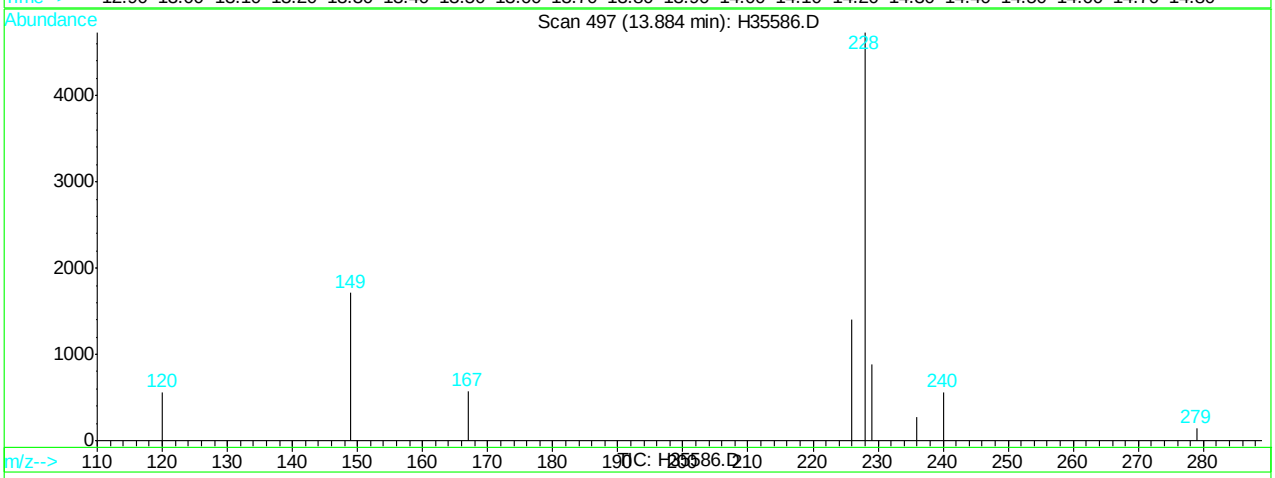


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35586.D Vial: 8
Acq On : 23 Oct 2009 2:13 pm Operator: sheilac
Sample : icv1920-2.5 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 15:24 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(24) Benzo[a]anthracene (T)

13.88min 3.07ppb m

response 11653

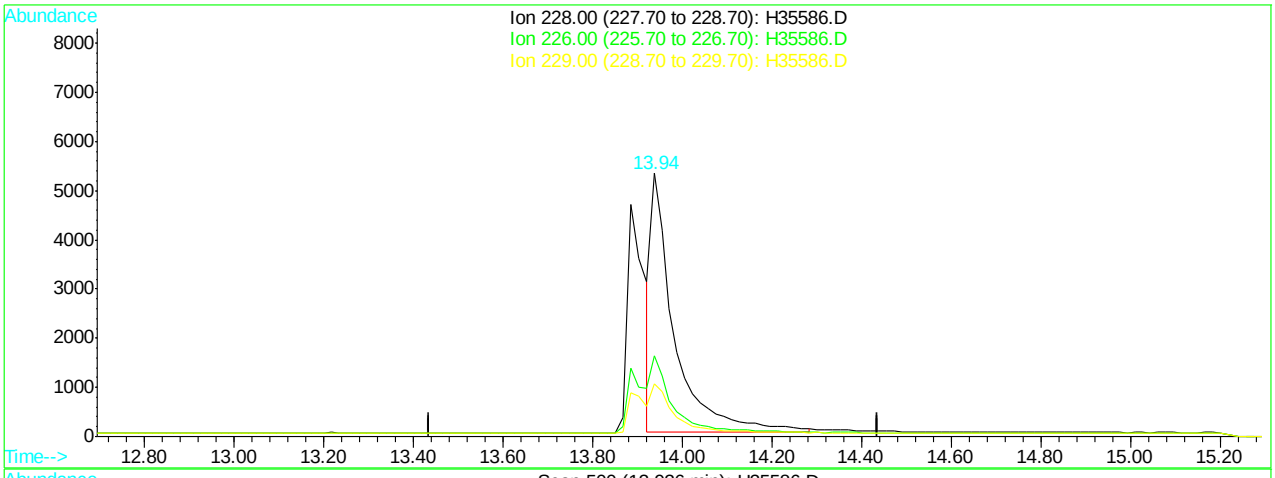
Ion	Exp%	Act%
228.00	100	100
229.00	20.50	18.67
226.00	30.50	29.56
0.00	0.00	0.00

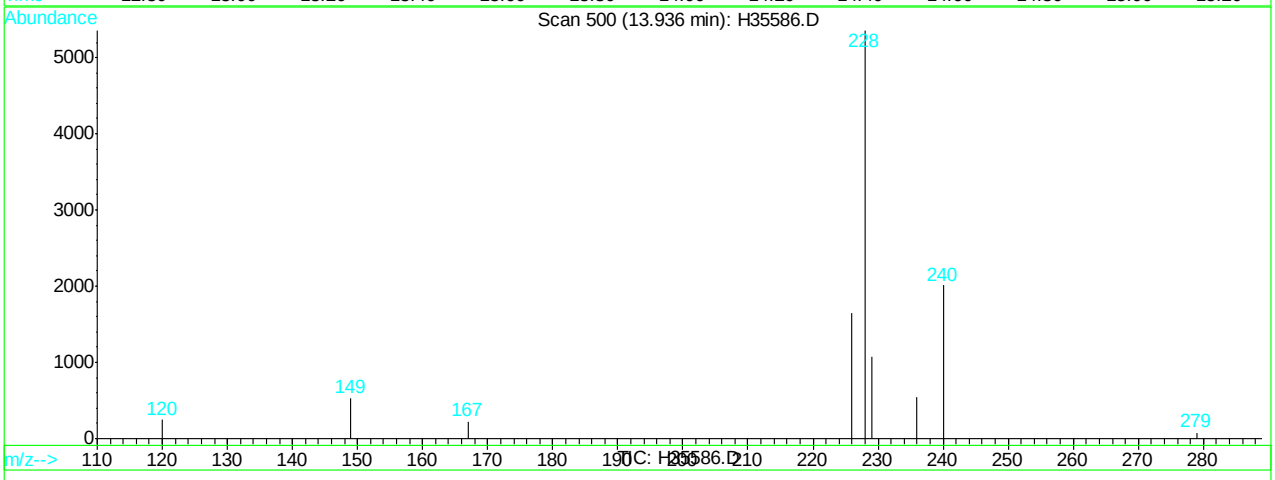
H35586.D H10239SP.M Tue Oct 27 15:24:50 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35586.D Vial: 8
Acq On : 23 Oct 2009 2:13 pm Operator: sheilac
Sample : icv1920-2.5 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 15:24 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(25) Chrysene (T)

13.94min 2.27ppb m

response 19162

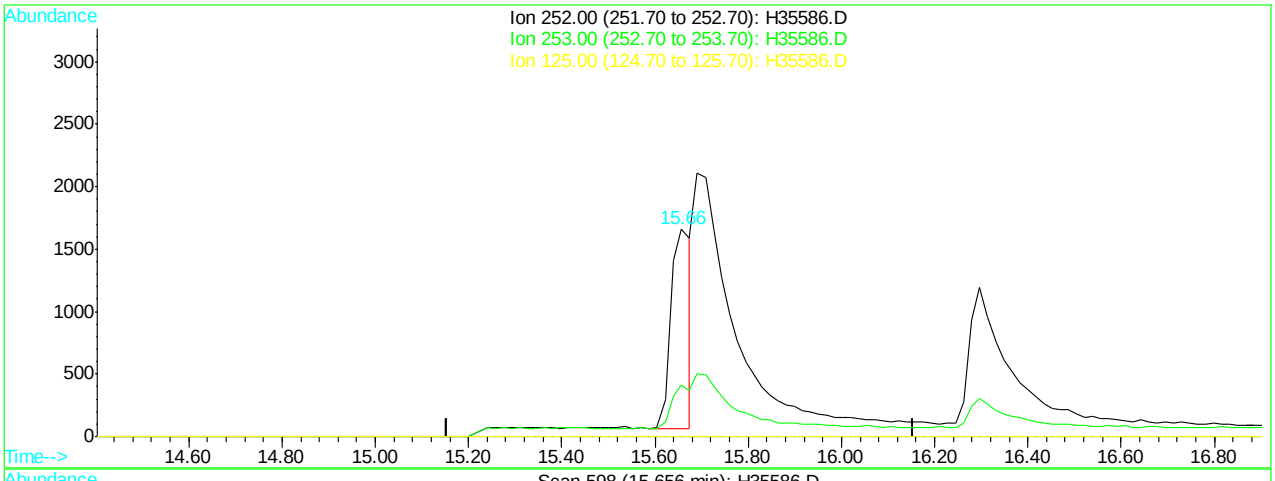
Ion	Exp%	Act%
228.00	100	100
226.00	31.10	30.82
229.00	21.20	19.97
0.00	0.00	0.00

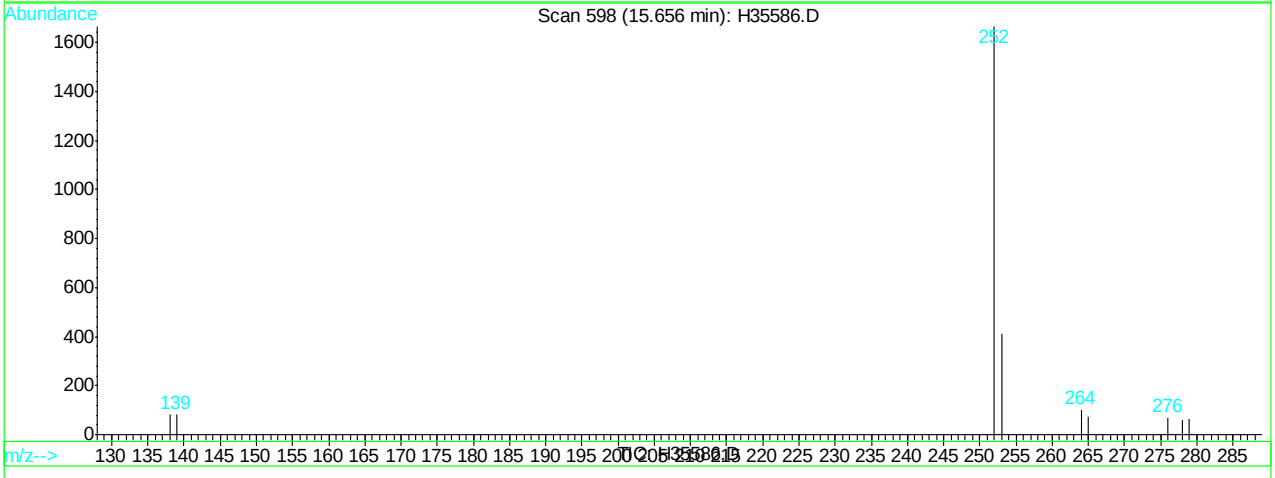
H35586.D H10239SP.M Tue Oct 27 15:24:53 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35586.D Vial: 8
Acq On : 23 Oct 2009 2:13 pm Operator: sheilac
Sample : icv1920-2.5 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 15:24 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(27) Benzo[b]fluoranthene (T)

15.66min 2.34ppb m

response 4919

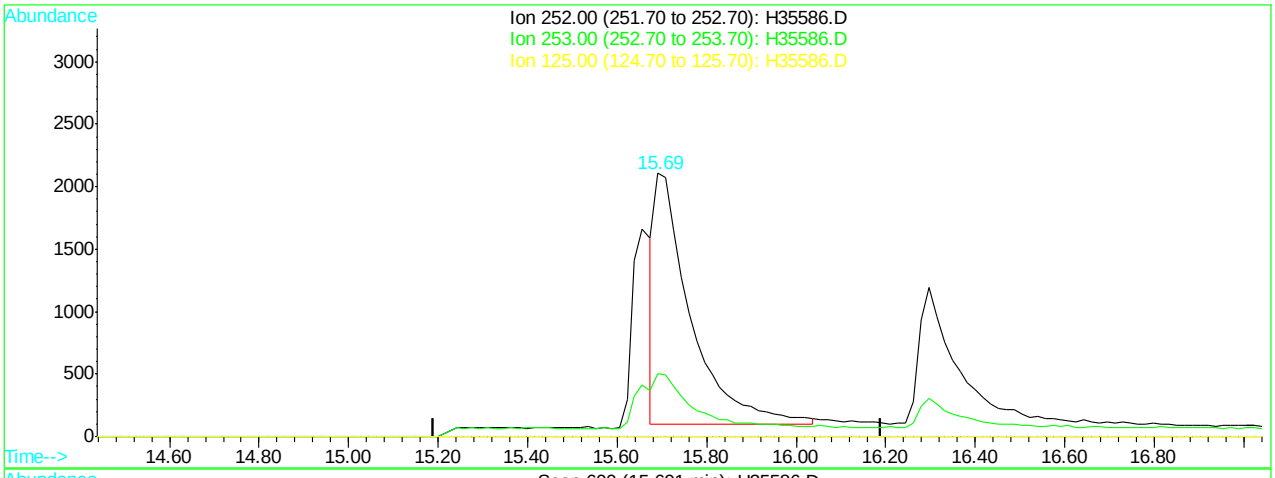
Ion	Exp%	Act%
252.00	100	100
253.00	27.80	24.74
125.00	0.00	0.00
0.00	0.00	0.00

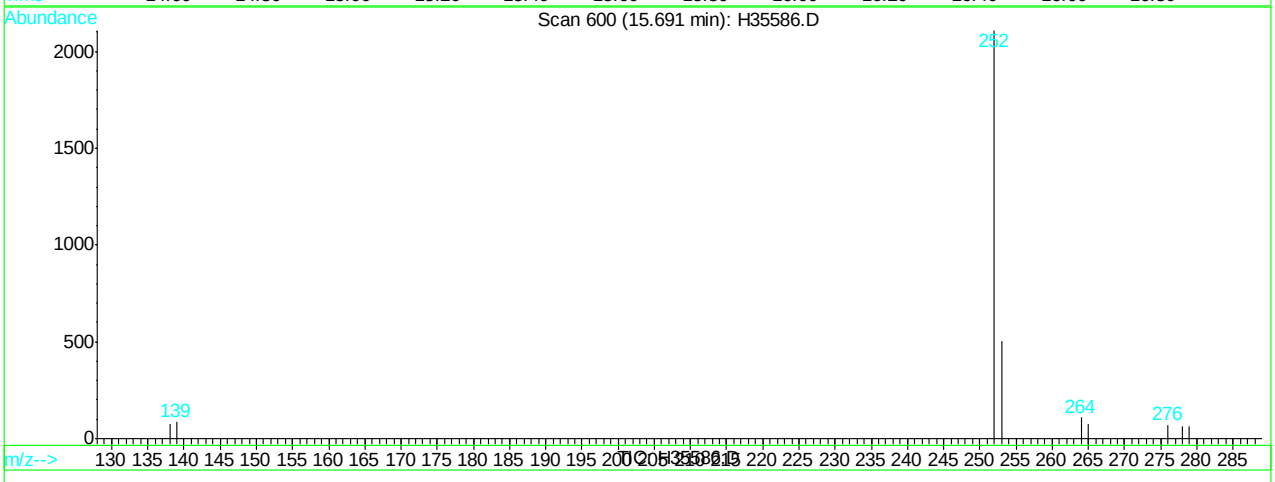
H35586.D H10239SP.M Tue Oct 27 15:24:57 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35586.D Vial: 8
Acq On : 23 Oct 2009 2:13 pm Operator: sheilac
Sample : icv1920-2.5 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 15:24 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.69min 2.62ppb m

response 11174

Ion	Exp%	Act%
252.00	100	100
253.00	26.10	23.91
125.00	0.00	0.00
0.00	0.00	0.00

H35586.D H10239SP.M Tue Oct 27 15:25:00 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/27/09 17:17

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1921\H35610.D Vial: 2
Acq On : 26 Oct 2009 12:05 pm Operator: sheilac
Sample : icc1921-2.5 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:06 2009 Quant Results File: H10269SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 16:05:49 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.63	152	83144	4.00	ppb	0.00
4) Naphthalene-d8	7.54	136	75243	4.00	ppb	-0.06
9) Acenaphthene-d10	9.57	164	57620	4.00	ppb	0.00
15) Phenanthrene-d10	11.09	188	61980	4.00	ppb	0.00
21) Chrysene-d12	13.94	240	8019	4.00	ppb	-0.04
26) Perylene-d12	16.42	264	3605	4.00	ppb	-0.03

System Monitoring Compounds

5) Nitrobenzene-d5	6.57	82	43907	17.68	ppb	-0.03
Spiked Amount 5.000	Range 17 - 131		Recovery = 353.60%#			
10) 2-Fluorobiphenyl	8.87	172	384011	12.06	ppb	0.00
Spiked Amount 5.000	Range 15 - 137		Recovery = 241.20%#			
16) 2,4,6-Tribromophenol	10.40	330	62806	35.14	ppb	0.00
Spiked Amount 10.000	Range 10 - 123		Recovery = 351.40%#			
23) Terphenyl-d14	12.68	244	28686	14.44	ppb	-0.05
Spiked Amount 5.000	Range 10 - 160		Recovery = 288.80%#			

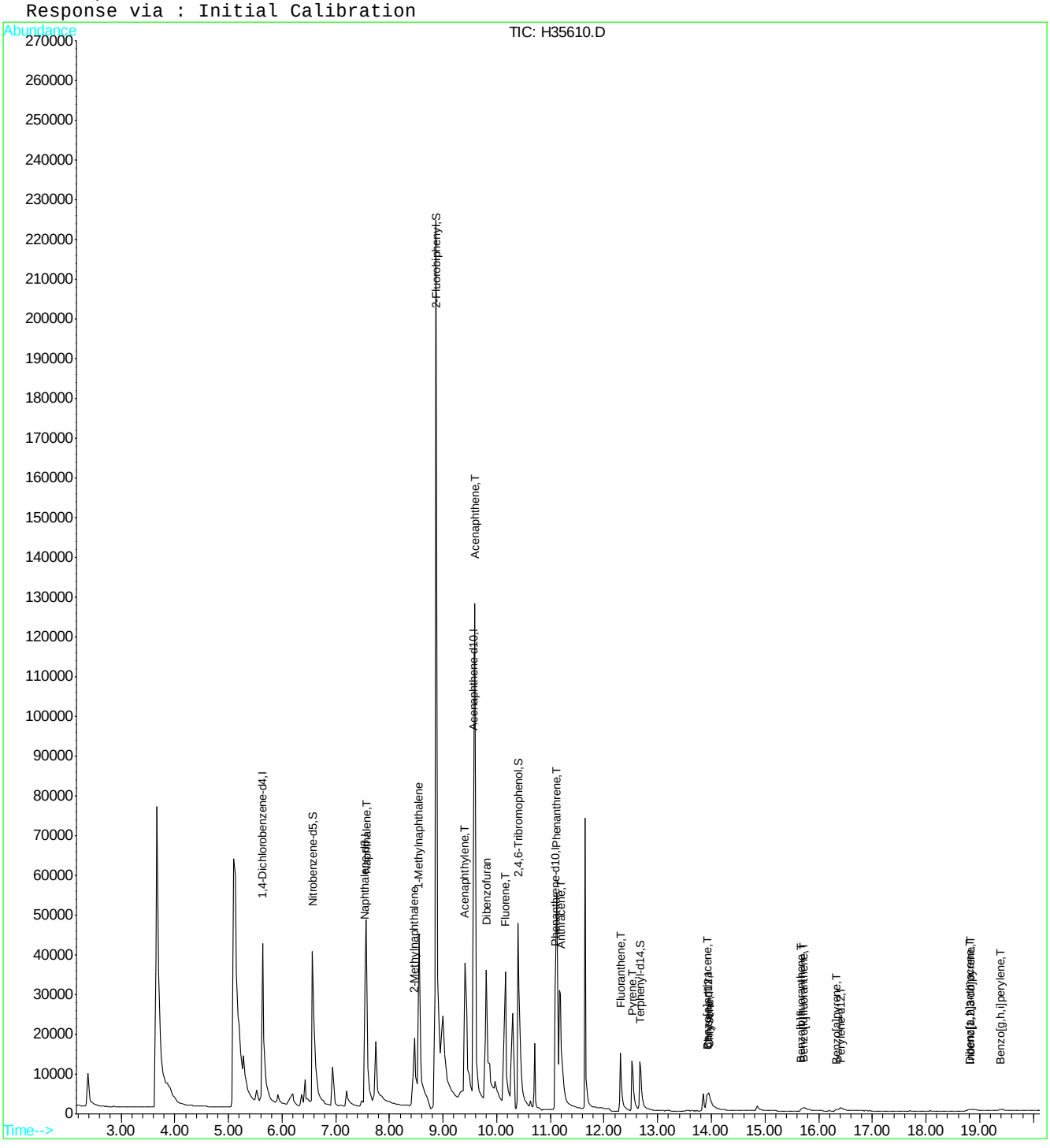
Target Compounds							Qvalue
6) Naphthalene	7.57	128	68576	2.72	ppb		99
7) 2-Methylnaphthalene	8.46	142	35689m	2.29	ppb		
8) 1-Methylnaphthalene	8.55	142	70618m	2.52	ppb		
11) Acenaphthylene	9.41	152	67600	1.90	ppb		88
12) Acenaphthene	9.60	153	85055	2.65	ppb		93
13) Dibenzofuran	9.81	168	65004	2.18	ppb		92
14) Fluorene	10.16	166	43358	2.84	ppb		97
18) Phenanthrene	11.11	178	61908	2.29	ppb		94
19) Anthracene	11.19	178	80938	2.58	ppb		98
20) Fluoranthene	12.31	202	31097	2.47	ppb	#	92
22) Pyrene	12.52	202	30371	2.31	ppb		98
24) Benzo[a]anthracene	13.92	228	4163m	2.26	ppb		
25) Chrysene	13.95	228	10921m	3.04	ppb		
27) Benzo[b]fluoranthene	15.67	252	1416m	1.44	ppb		
28) Benzo[k]fluoranthene	15.73	252	5547m	3.35	ppb		
29) Benzo[a]pyrene	16.33	252	2855	2.61	ppb	#	31
30) Indeno[1,2,3-cd]pyrene	18.82	276	2288	3.60	ppb	#	20
31) Dibenz[a,h]anthracene	18.81	278	1652	3.61	ppb	#	15
32) Benzo[g,h,i]perylene	19.39	276	1853	2.92	ppb	#	16

(#) = qualifier out of range (m) = manual integration
H35610.D H10269SP.M Tue Oct 27 14:43:33 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1921\H35610.D Vial: 2
Acq On : 26 Oct 2009 12:05 pm Operator: sheilac
Sample : icc1921-2.5 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:06 2009 Quant Results File: H10269SP.RES

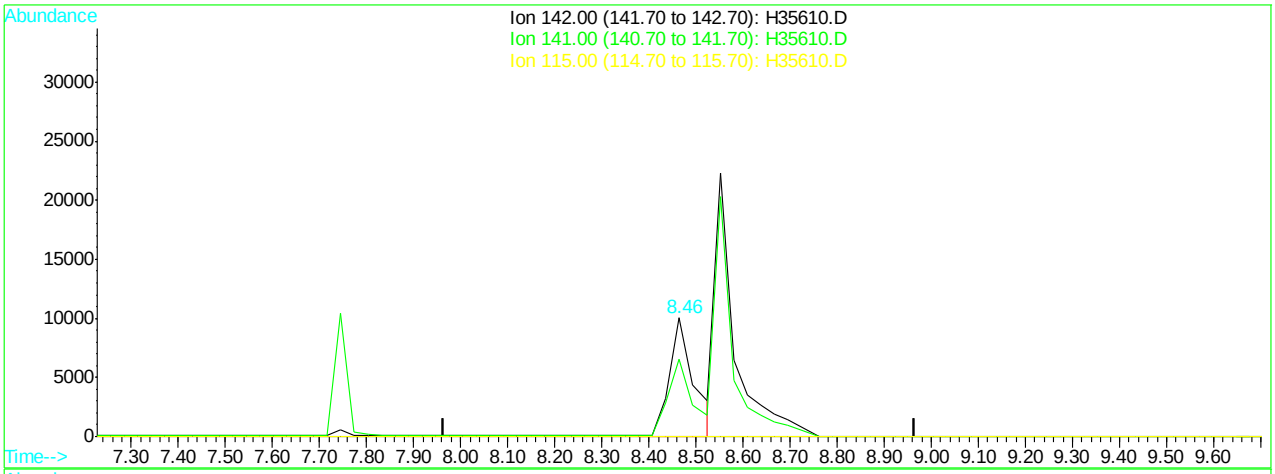
Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Initial Calibration

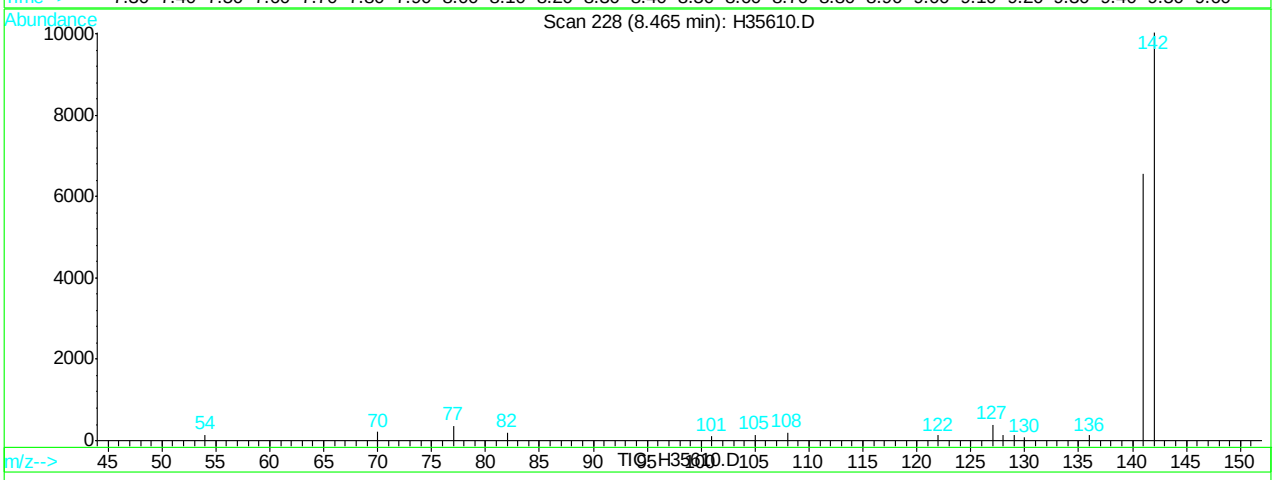


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35610.D Vial: 2
Acq On : 26 Oct 2009 12:05 pm Operator: sheilac
Sample : icc1921-2.5 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:06 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(7) 2-Methylnaphthalene

8.46min 2.29ppb m

response 35689

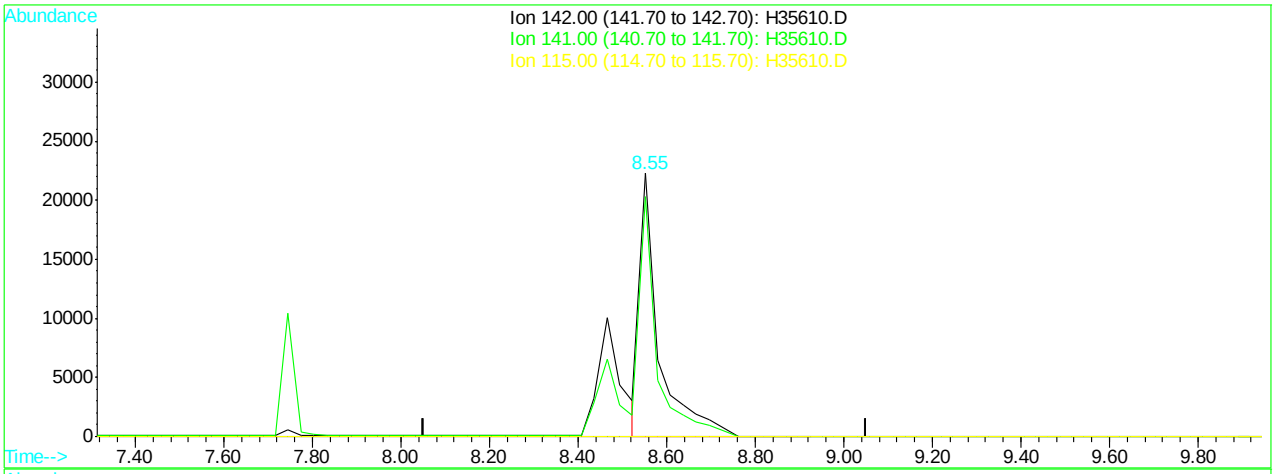
Ion	Exp%	Act%
142.00	100	100
141.00	65.40	240.98#
115.00	0.00	0.00
0.00	0.00	0.00

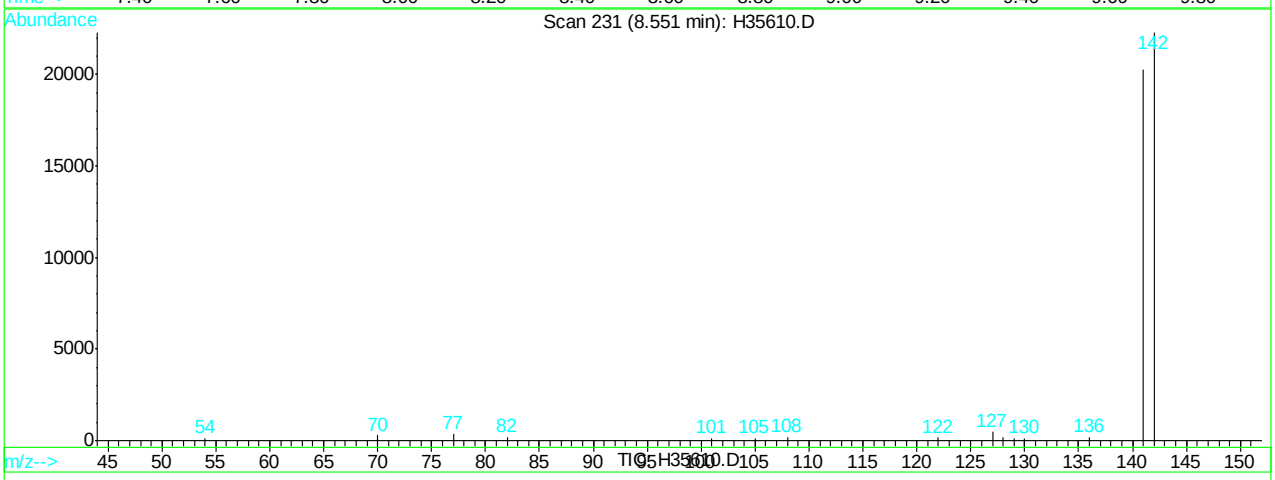
H35610.D H10269SP.M Tue Oct 27 14:43:55 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35610.D Vial: 2
Acq On : 26 Oct 2009 12:05 pm Operator: sheilac
Sample : icc1921-2.5 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:06 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(8) 1-Methylnaphthalene

8.55min 2.52ppb m

response 70618

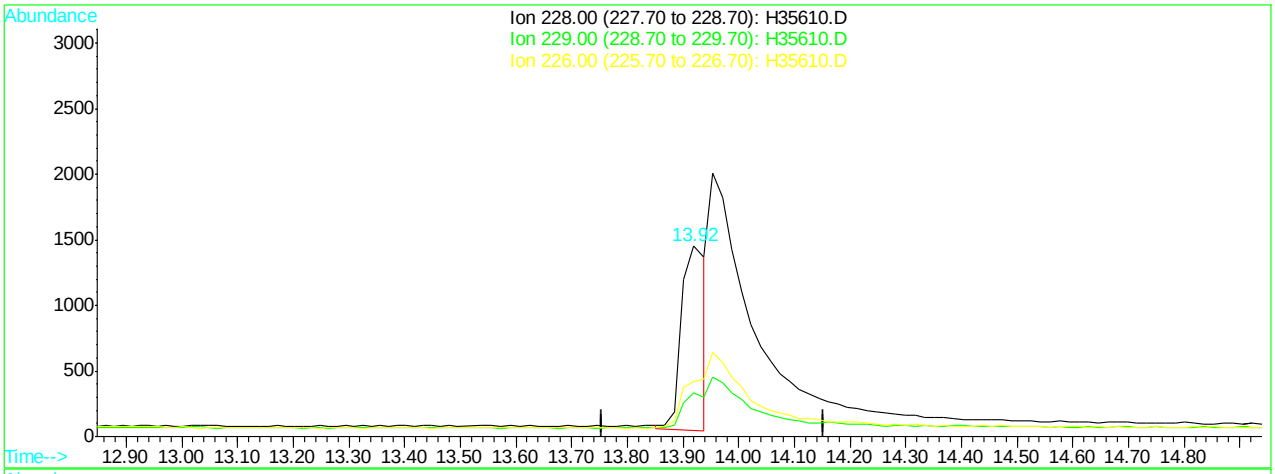
Ion	Exp%	Act%
142.00	100	100
141.00	91.00	121.79#
115.00	0.00	0.00
0.00	0.00	0.00

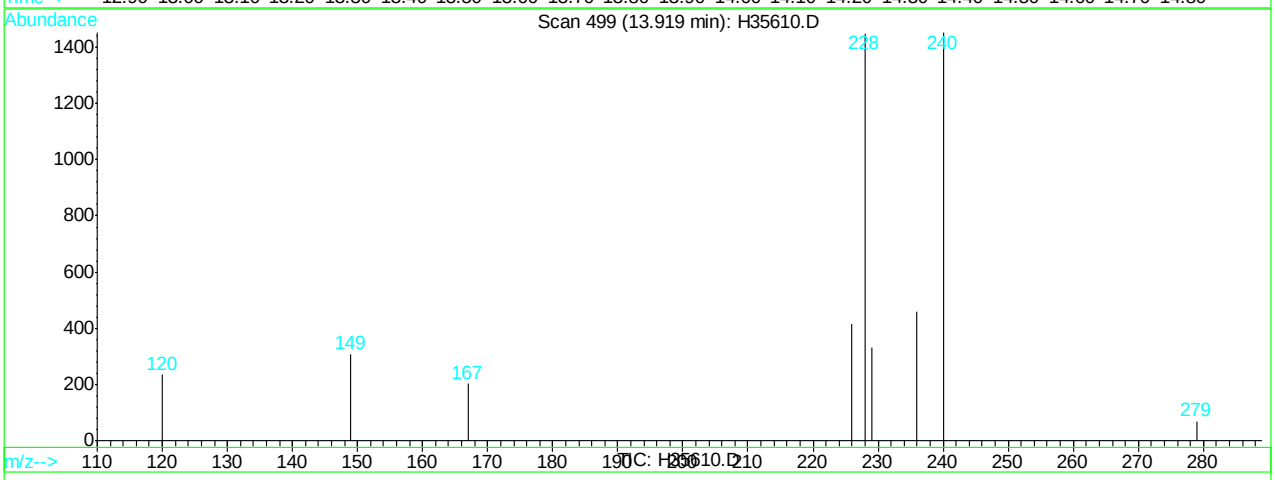
H35610.D H10269SP.M Tue Oct 27 14:43:58 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35610.D Vial: 2
Acq On : 26 Oct 2009 12:05 pm Operator: sheilac
Sample : icc1921-2.5 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:06 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(24) Benzo[a]anthracene (T)

13.92min 2.26ppb m

response 4163

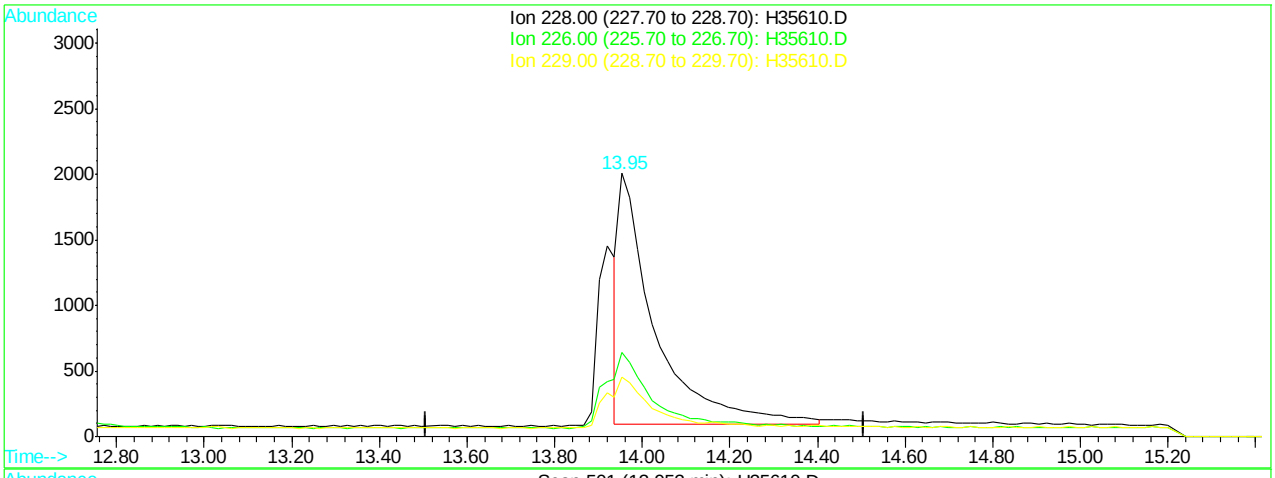
Ion	Exp%	Act%
228.00	100	100
229.00	20.50	22.76
226.00	30.50	28.62
0.00	0.00	0.00

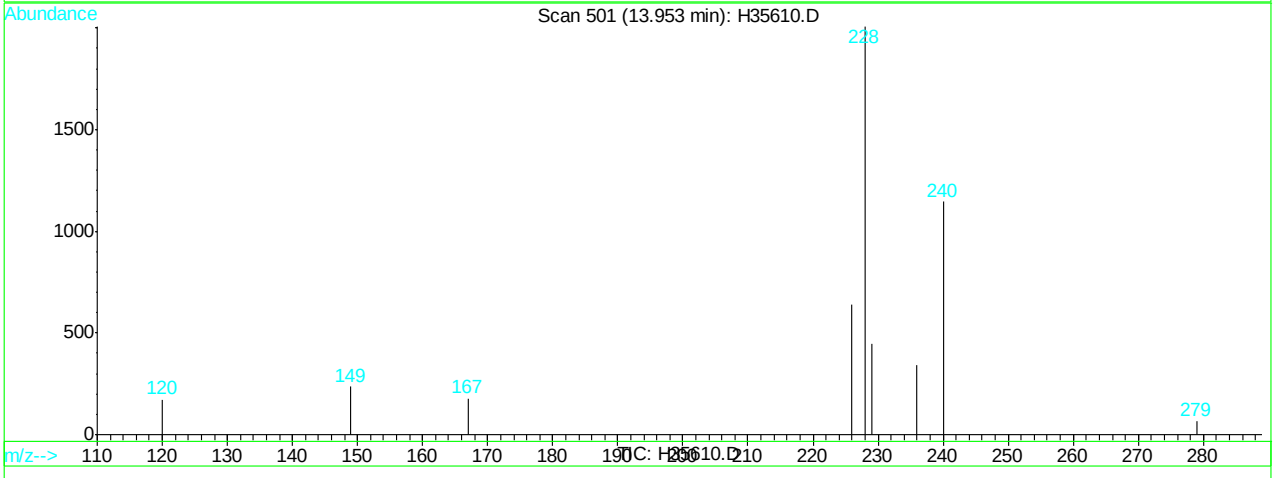
H35610.D H10269SP.M Tue Oct 27 14:44:03 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35610.D Vial: 2
Acq On : 26 Oct 2009 12:05 pm Operator: sheilac
Sample : icc1921-2.5 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:06 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(25) Chrysene (T)

13.95min 3.04ppb m

response 10921

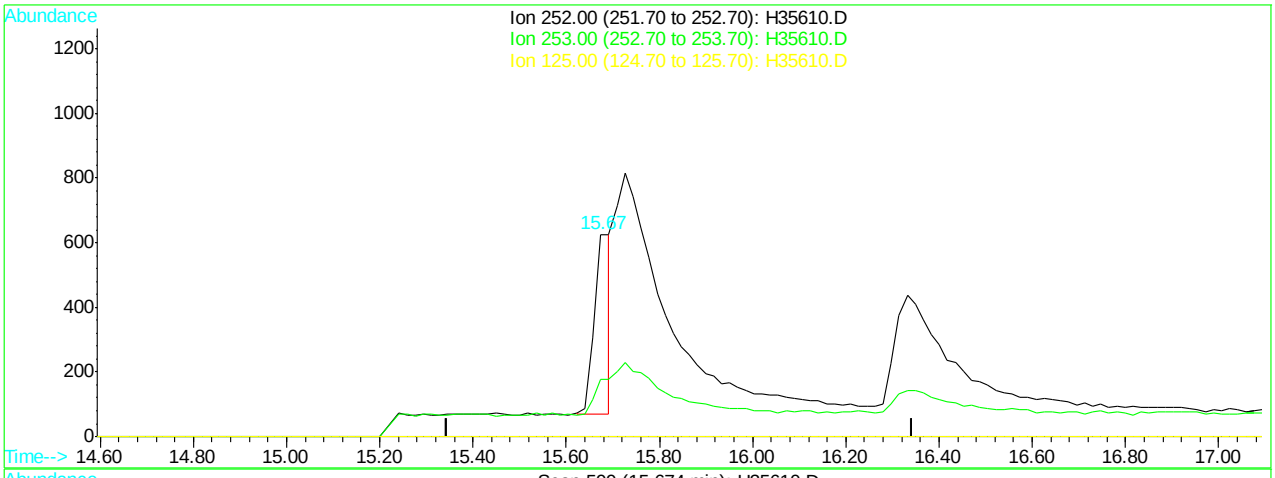
Ion	Exp%	Act%
228.00	100	100
226.00	31.10	31.79
229.00	21.20	22.37
0.00	0.00	0.00

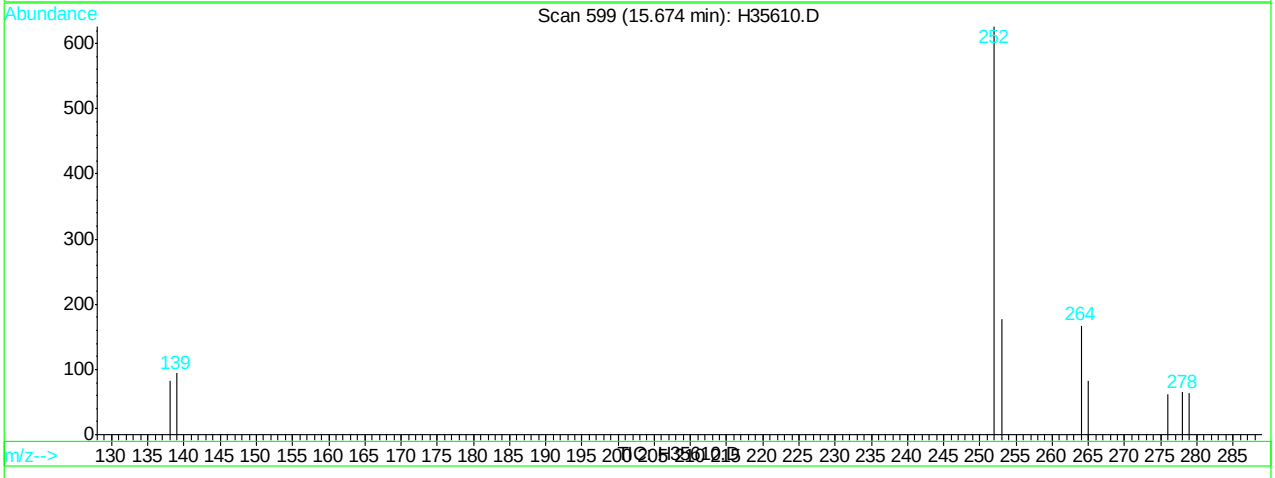
H35610.D H10269SP.M Tue Oct 27 14:44:06 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35610.D Vial: 2
Acq On : 26 Oct 2009 12:05 pm Operator: sheilac
Sample : icc1921-2.5 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:06 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(27) Benzo[b]fluoranthene (T)

15.67min 1.44ppb m

response 1416

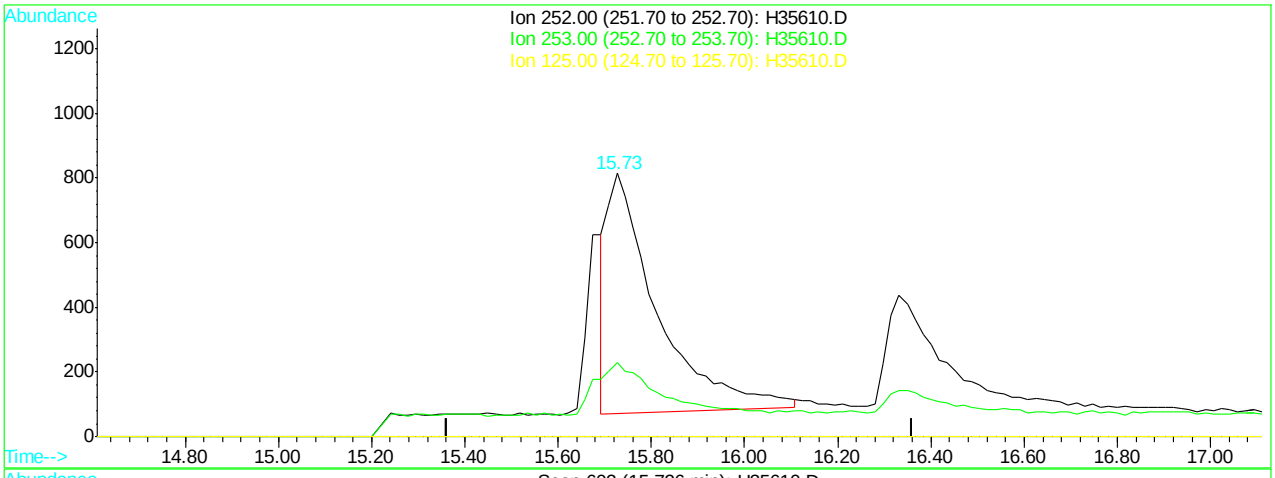
Ion	Exp%	Act%
252.00	100	100
253.00	83.70	28.43#
125.00	0.00	0.00
0.00	0.00	0.00

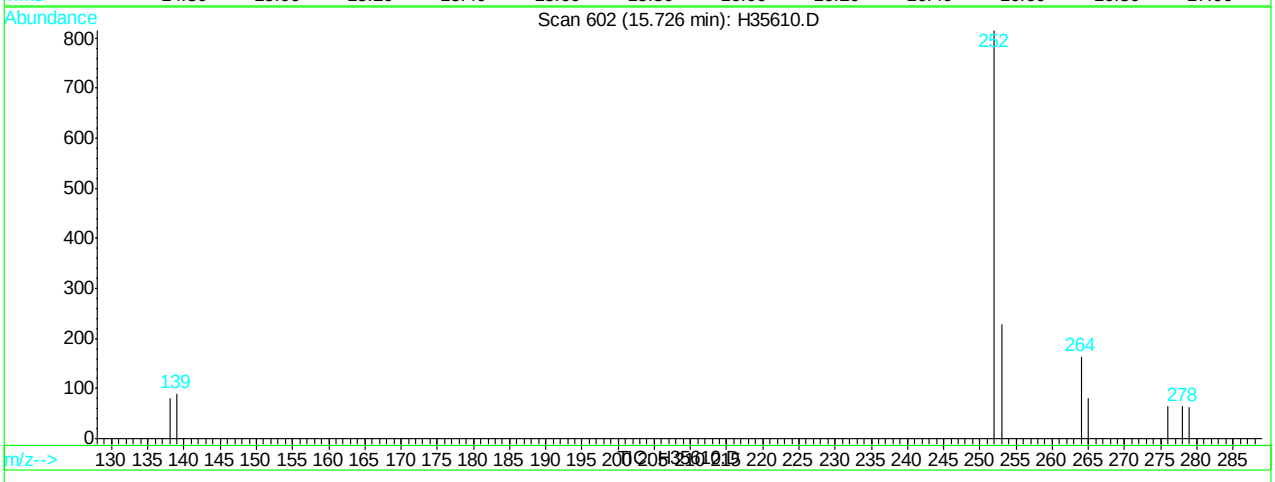
H35610.D H10269SP.M Tue Oct 27 14:44:09 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35610.D Vial: 2
Acq On : 26 Oct 2009 12:05 pm Operator: sheilac
Sample : icc1921-2.5 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:06 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.73min 3.35ppb m

response 5547

Ion	Exp%	Act%
252.00	100	100
253.00	74.20	28.10#
125.00	0.00	0.00
0.00	0.00	0.00

H35610.D H10269SP.M Tue Oct 27 14:44:12 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez 10/27/09 17:17

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1921\H35611.D Vial: 3
Acq On : 26 Oct 2009 12:39 pm Operator: sheilac
Sample : ic1921-1 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:22 2009 Quant Results File: H10269SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 16:05:49 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.63	152	88397	4.00	ppb	0.00
4) Naphthalene-d8	7.54	136	67430	4.00	ppb	-0.06
9) Acenaphthene-d10	9.57	164	48197	4.00	ppb	0.00
15) Phenanthrene-d10	11.11	188	50196	4.00	ppb	0.02
21) Chrysene-d12	13.95	240	6932	4.00	ppb	-0.02
26) Perylene-d12	16.44	264	3840	4.00	ppb	-0.02

System Monitoring Compounds

5) Nitrobenzene-d5	6.60	82	13294	5.97	ppb	0.00
Spiked Amount 5.000	Range 17 - 131		Recovery = 119.40%			
10) 2-Fluorobiphenyl	8.87	172	125528	4.71	ppb	0.00
Spiked Amount 5.000	Range 15 - 137		Recovery = 94.20%			
16) 2,4,6-Tribromophenol	10.42	330	21810	15.07	ppb	0.02
Spiked Amount 10.000	Range 10 - 123		Recovery = 150.70%#			
23) Terphenyl-d14	12.69	244	8000	4.66	ppb	-0.03
Spiked Amount 5.000	Range 10 - 160		Recovery = 93.20%			

Target Compounds

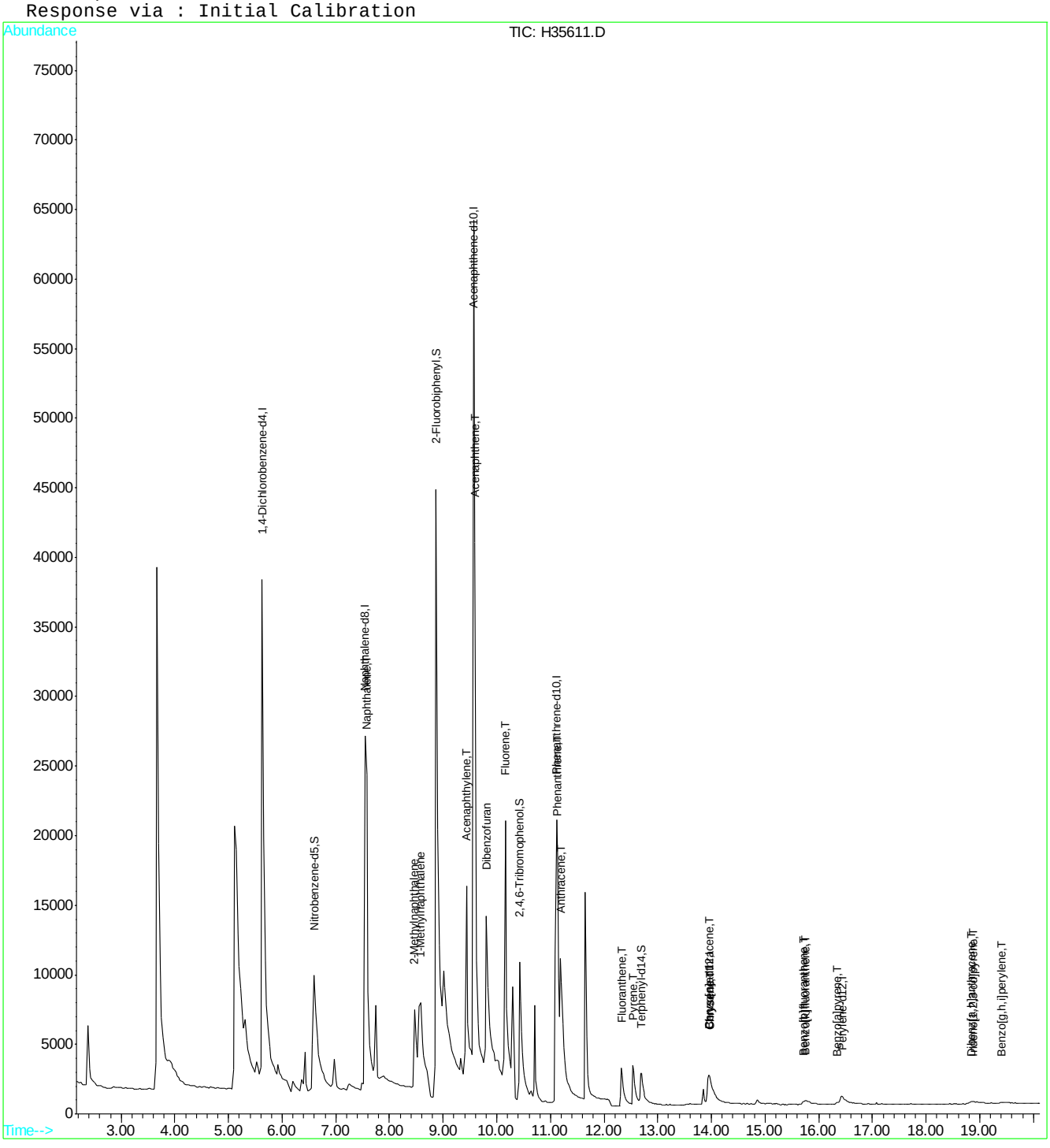
							Qvalue
6) Naphthalene	7.57	128	26222	1.16	ppb		96
7) 2-Methylnaphthalene	8.47	142	10689m	0.76	ppb		
8) 1-Methylnaphthalene	8.58	142	21615m	0.86	ppb		
11) Acenaphthylene	9.43	152	22828	0.77	ppb	#	87
12) Acenaphthene	9.60	153	26352	0.98	ppb		81
13) Dibenzofuran	9.81	168	31953m	1.28	ppb		
14) Fluorene	10.16	166	22732	1.78	ppb		86
18) Phenanthrene	11.13	178	20342	0.93	ppb		96
19) Anthracene	11.19	178	27815	1.09	ppb		100
20) Fluoranthene	12.32	202	8777	0.86	ppb	#	93
22) Pyrene	12.54	202	8651	0.76	ppb	#	93
24) Benzo[a]anthracene	13.95	228	1062m	0.67	ppb		
25) Chrysene	13.97	228	3430m	1.10	ppb		
27) Benzo[b]fluoranthene	15.73	252	591m	0.57	ppb		
28) Benzo[k]fluoranthene	15.74	252	1851m	1.05	ppb		
29) Benzo[a]pyrene	16.35	252	1223	1.05	ppb	#	33
30) Indeno[1,2,3-cd]pyrene	18.88	276	894	1.32	ppb	#	28
31) Dibenz[a,h]anthracene	18.84	278	640m	1.31	ppb		
32) Benzo[g,h,i]perylene	19.41	276	873	1.29	ppb	#	17

(#) = qualifier out of range (m) = manual integration
H35611.D H10269SP.M Tue Oct 27 14:44:18 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1921\H35611.D Vial: 3
Acq On : 26 Oct 2009 12:39 pm Operator: sheilac
Sample : ic1921-1 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:22 2009 Quant Results File: H10269SP.RES

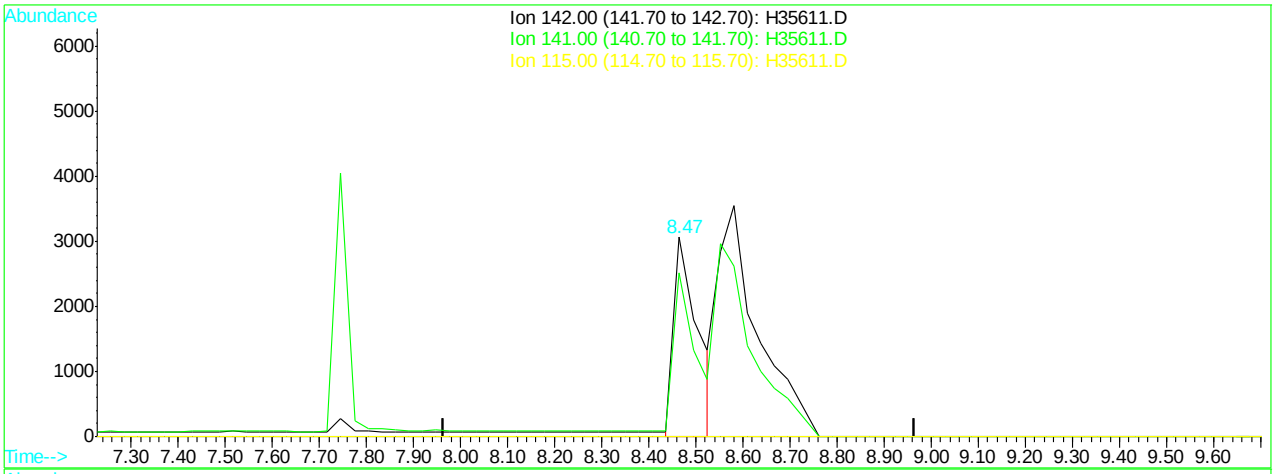
Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Initial Calibration

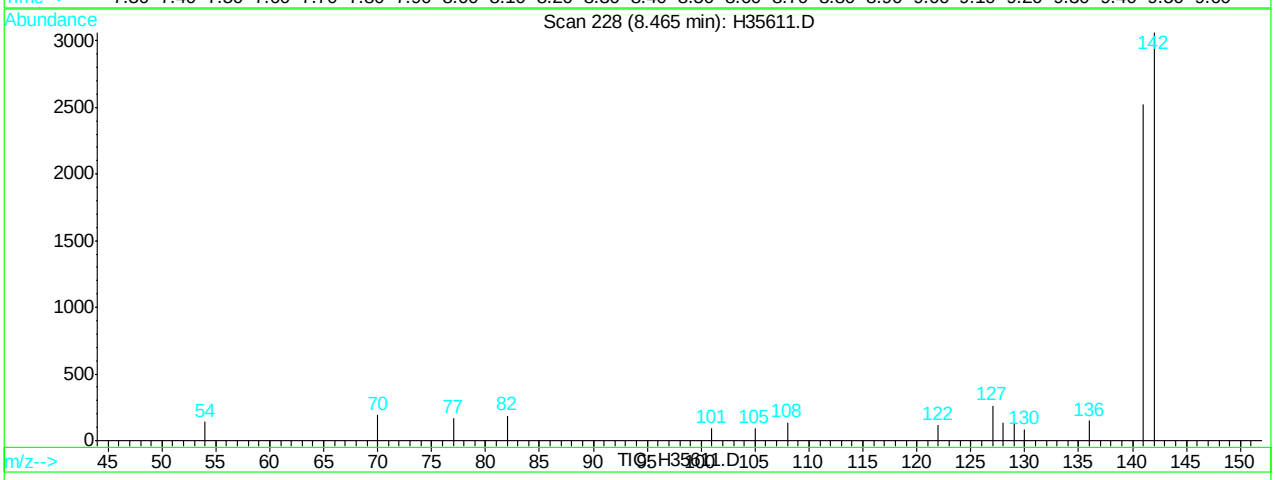


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35611.D Vial: 3
Acq On : 26 Oct 2009 12:39 pm Operator: sheilac
Sample : ic1921-1 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:22 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(7) 2-Methylnaphthalene

8.47min 0.76ppb m

response 10689

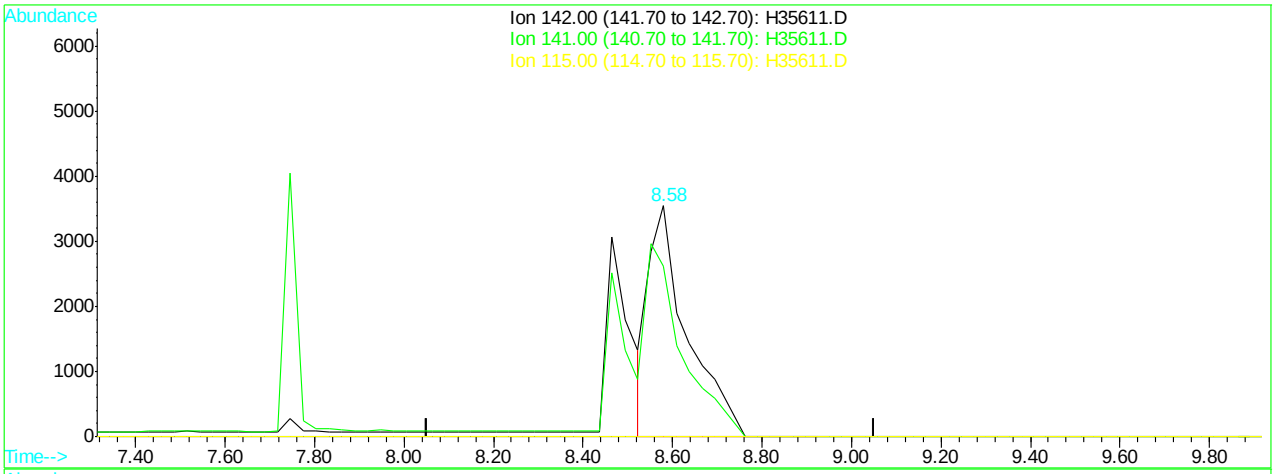
Ion	Exp%	Act%
142.00	100	100
141.00	65.40	252.22#
115.00	0.00	0.00
0.00	0.00	0.00

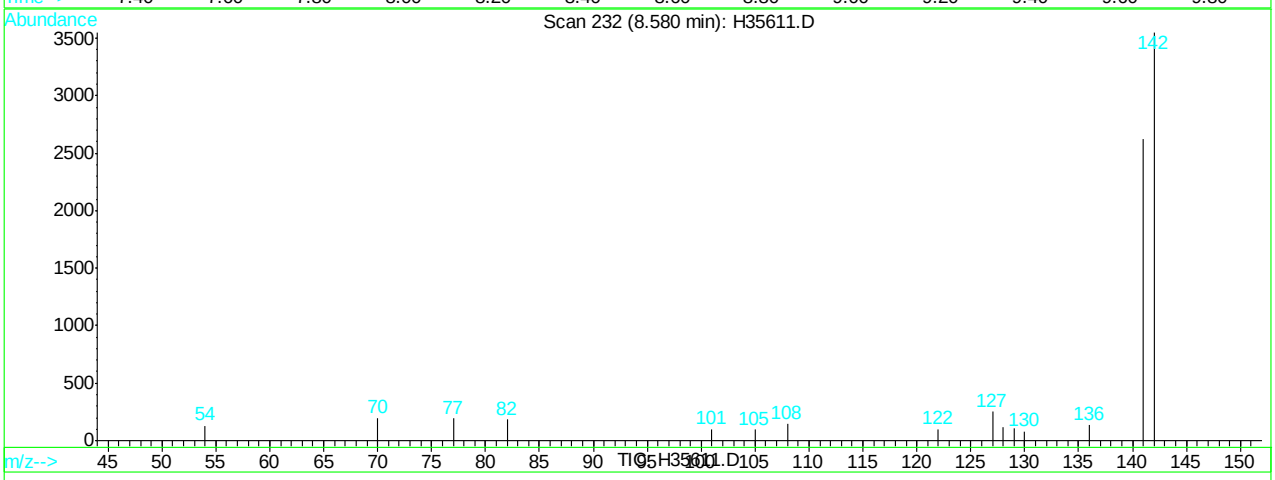
H35611.D H10269SP.M Tue Oct 27 14:44:45 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35611.D Vial: 3
Acq On : 26 Oct 2009 12:39 pm Operator: sheilac
Sample : ic1921-1 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:22 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(8) 1-Methylnaphthalene

8.58min 0.86ppb m

response 21615

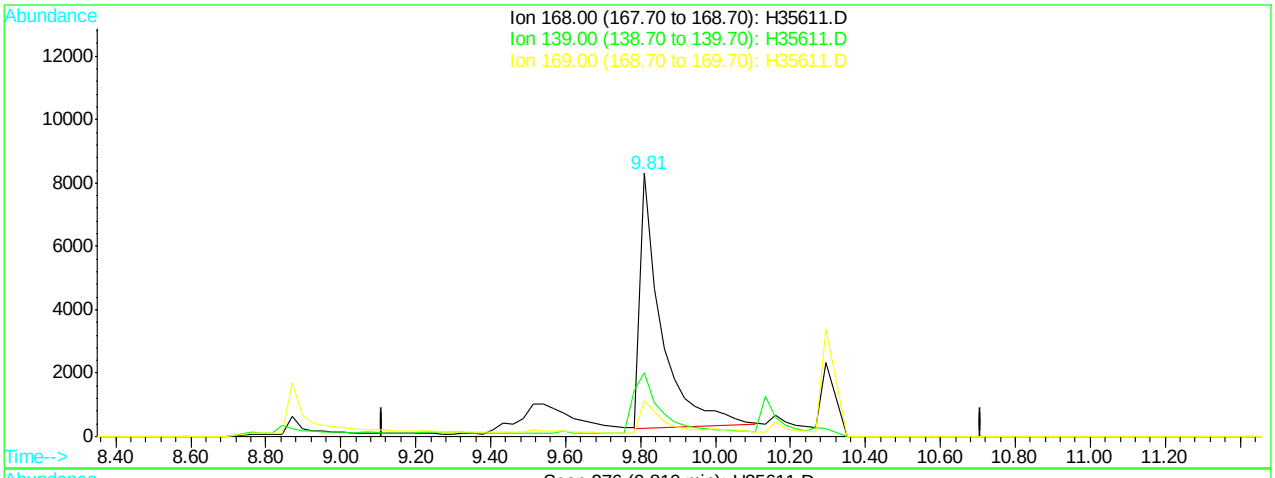
Ion	Exp%	Act%
142.00	100	100
141.00	91.00	124.73#
115.00	0.00	0.00
0.00	0.00	0.00

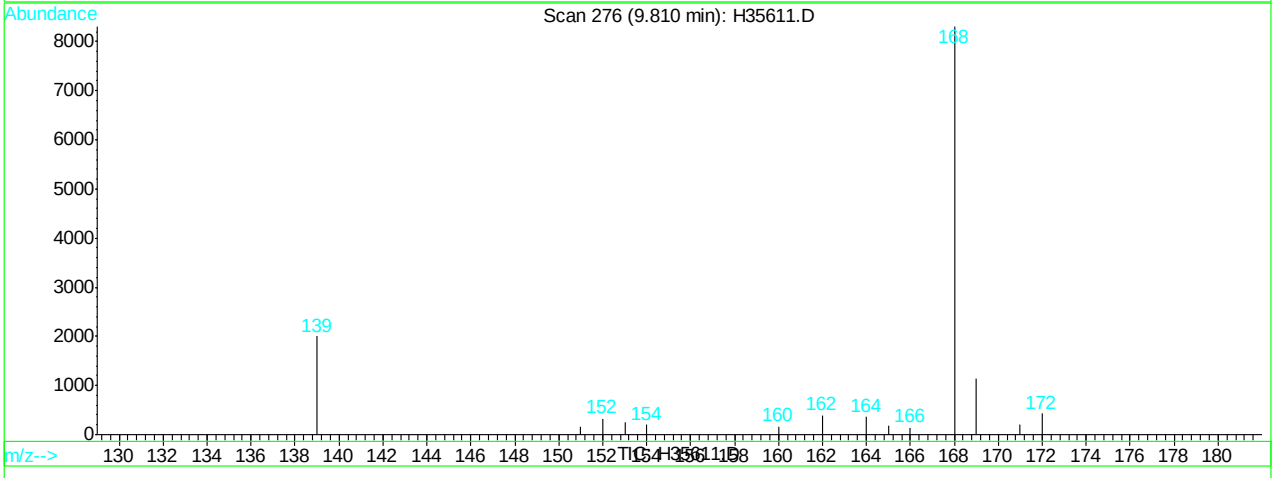
H35611.D H10269SP.M Tue Oct 27 14:44:48 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35611.D Vial: 3
Acq On : 26 Oct 2009 12:39 pm Operator: sheilac
Sample : ic1921-1 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:22 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(13) Dibenzofuran

9.81min 1.28ppb m

response 31953

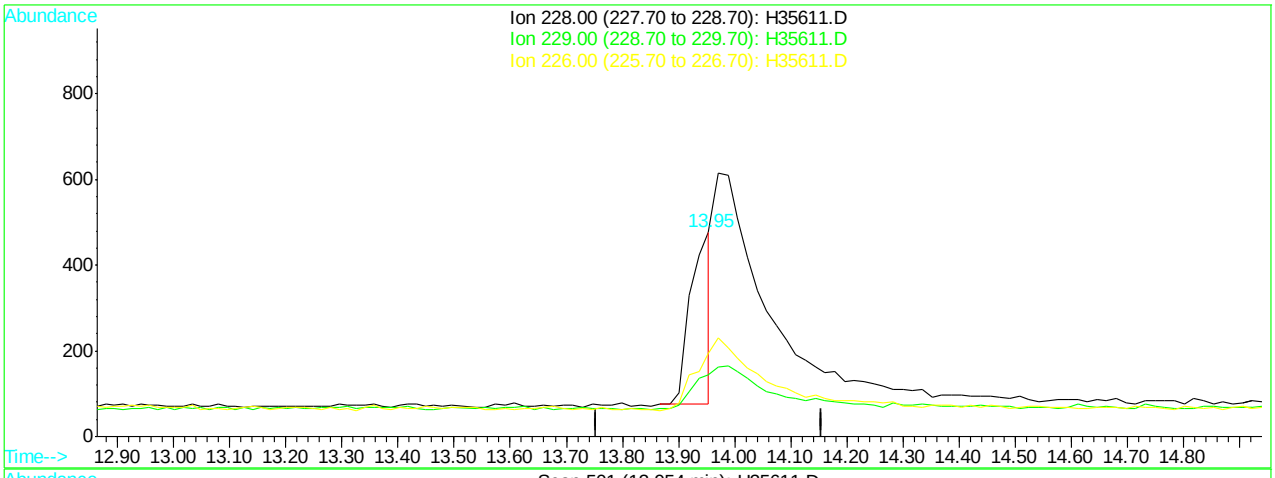
Ion	Exp%	Act%
168.00	100	100
139.00	48.10	35.44
169.00	14.00	12.70
0.00	0.00	0.00

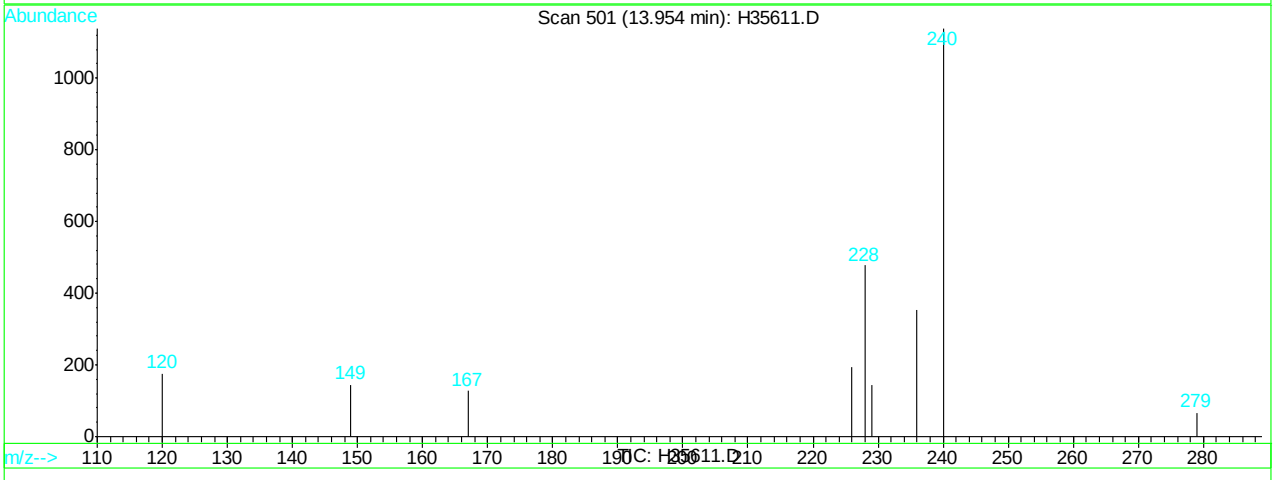
H35611.D H10269SP.M Tue Oct 27 14:44:53 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35611.D Vial: 3
Acq On : 26 Oct 2009 12:39 pm Operator: sheilac
Sample : ic1921-1 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:22 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(24) Benzo[a]anthracene (T)

13.95min 0.67ppb m

response 1062

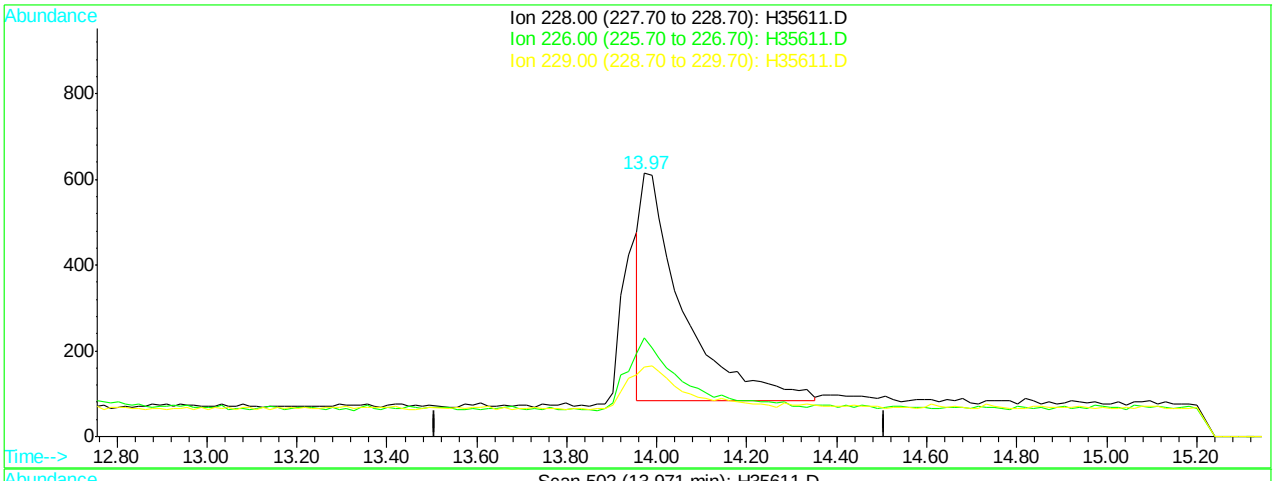
Ion	Exp%	Act%
228.00	100	100
229.00	20.50	30.19#
226.00	30.50	40.46#
0.00	0.00	0.00

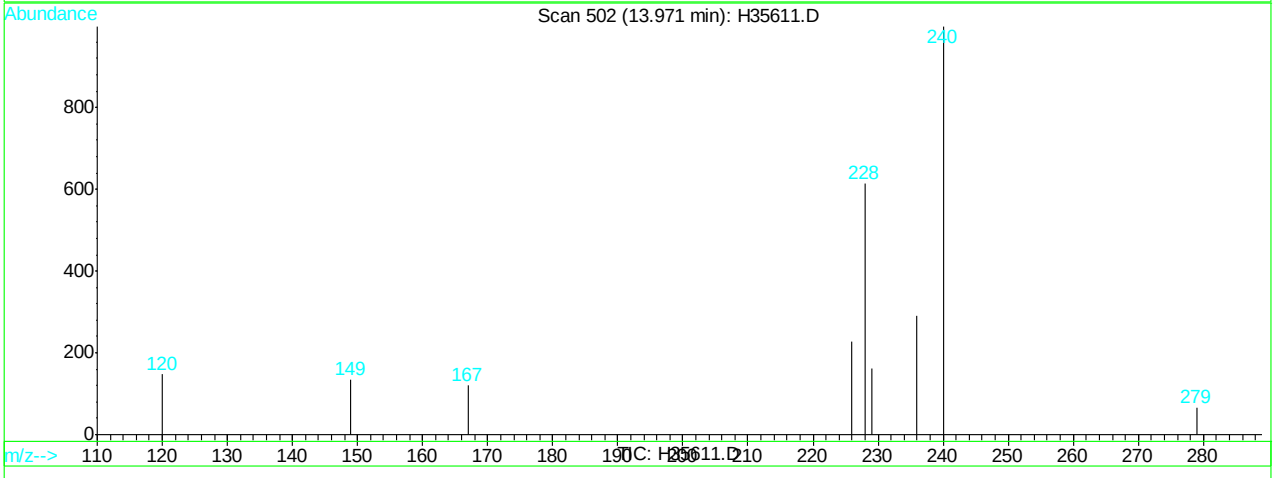
H35611.D H10269SP.M Tue Oct 27 14:44:58 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35611.D Vial: 3
Acq On : 26 Oct 2009 12:39 pm Operator: sheilac
Sample : ic1921-1 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:22 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(25) Chrysene (T)

13.97min 1.10ppb m

response 3430

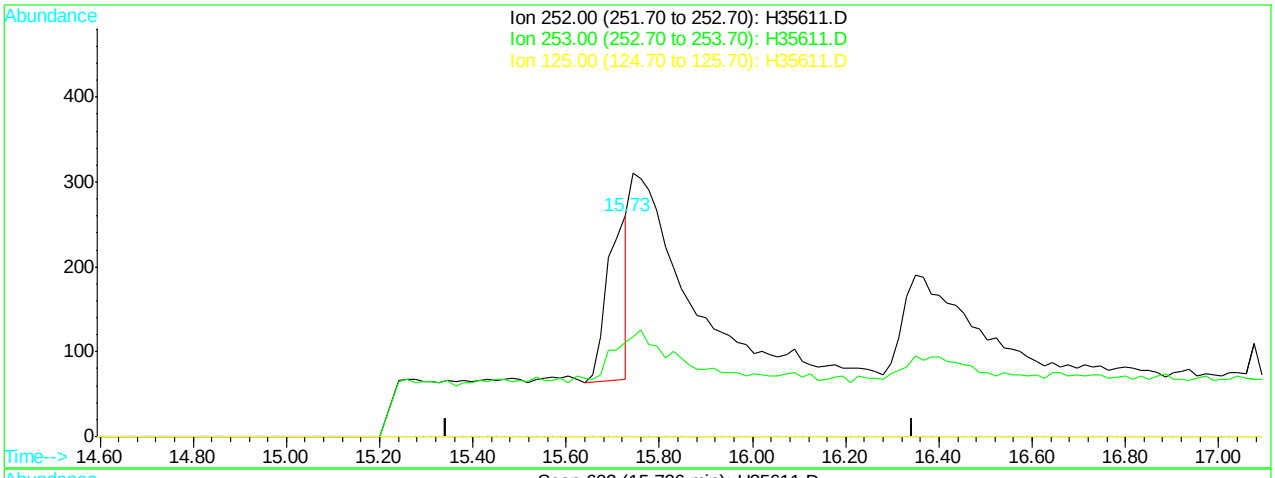
Ion	Exp%	Act%
228.00	100	100
226.00	31.10	37.30
229.00	21.20	26.55
0.00	0.00	0.00

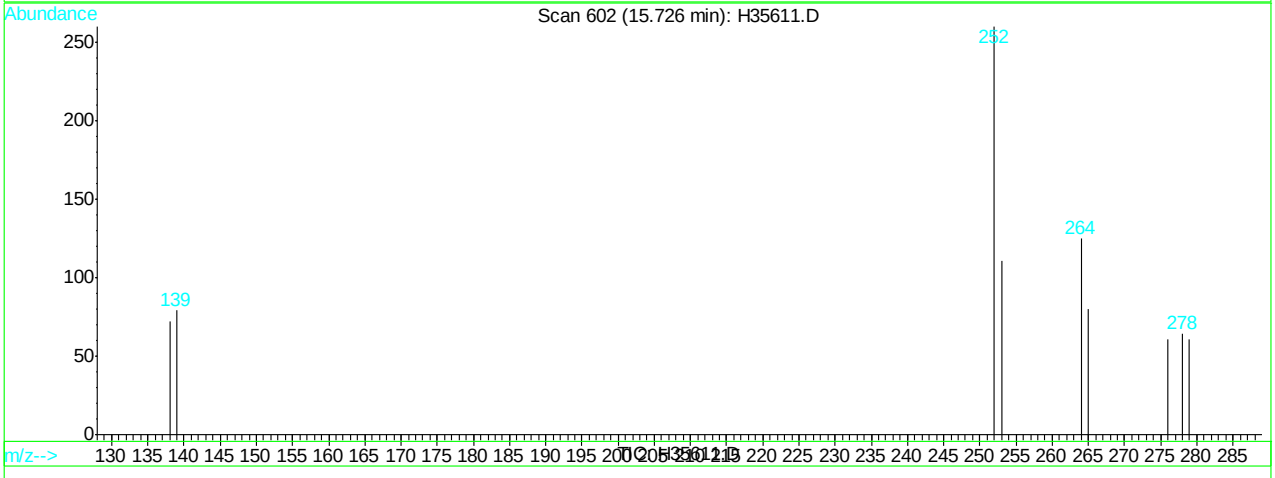
H35611.D H10269SP.M Tue Oct 27 14:45:02 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35611.D Vial: 3
Acq On : 26 Oct 2009 12:39 pm Operator: sheilac
Sample : ic1921-1 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:22 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(27) Benzo[b]fluoranthene (T)

15.73min 0.57ppb m

response 591

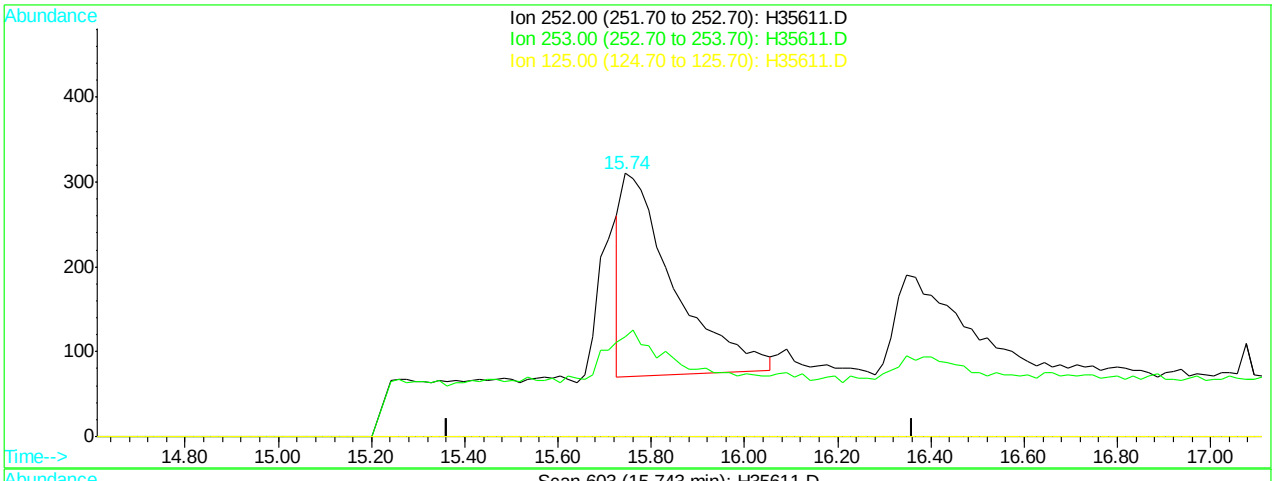
Ion	Exp%	Act%
252.00	100	100
253.00	83.70	42.69#
125.00	0.00	0.00
0.00	0.00	0.00

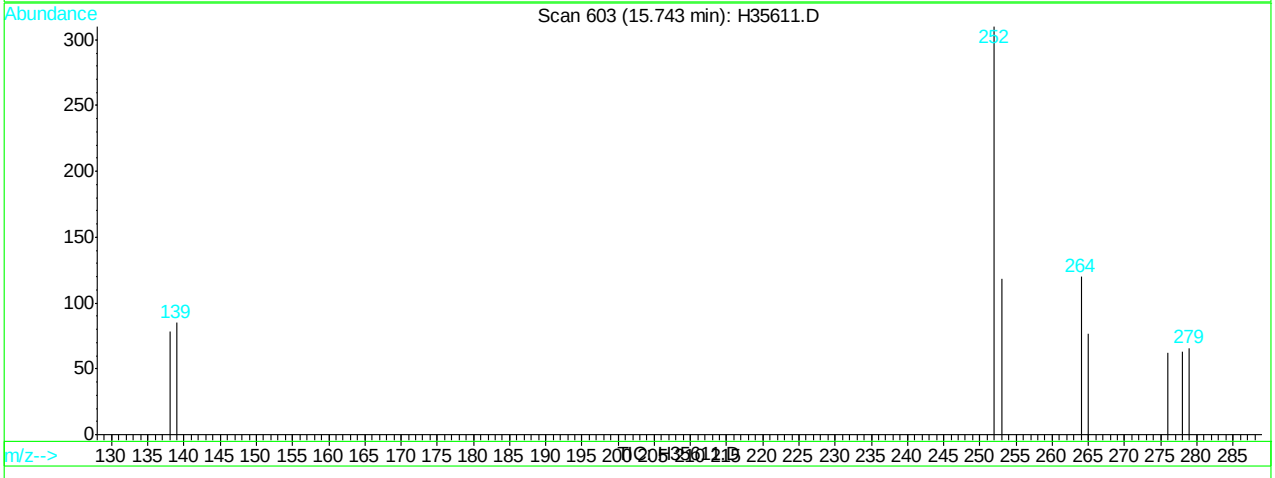
H35611.D H10269SP.M Tue Oct 27 14:45:05 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35611.D Vial: 3
Acq On : 26 Oct 2009 12:39 pm Operator: sheilac
Sample : ic1921-1 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:22 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.74min 1.05ppb m

response 1851

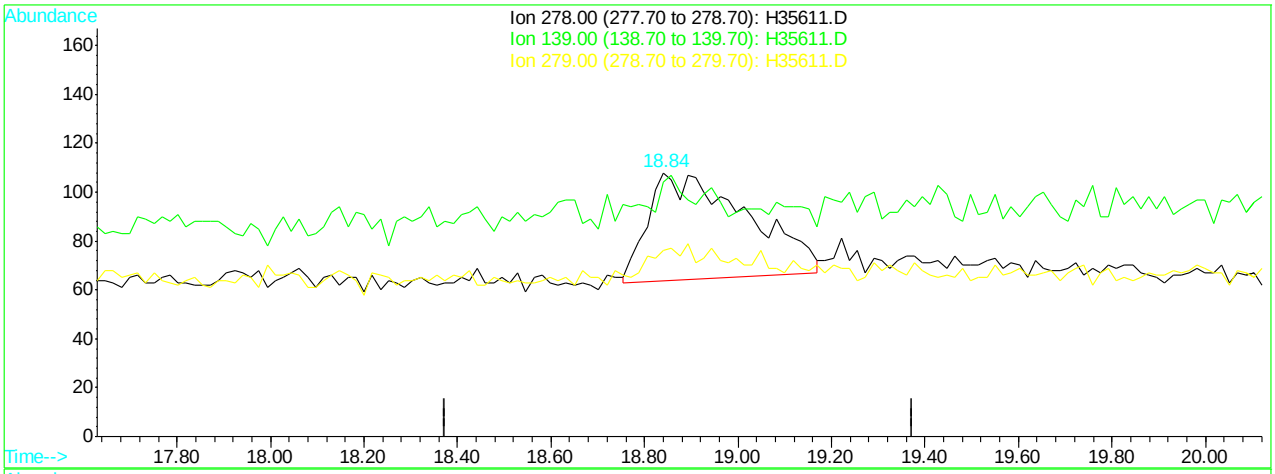
Ion	Exp%	Act%
252.00	100	100
253.00	74.20	38.06#
125.00	0.00	0.00
0.00	0.00	0.00

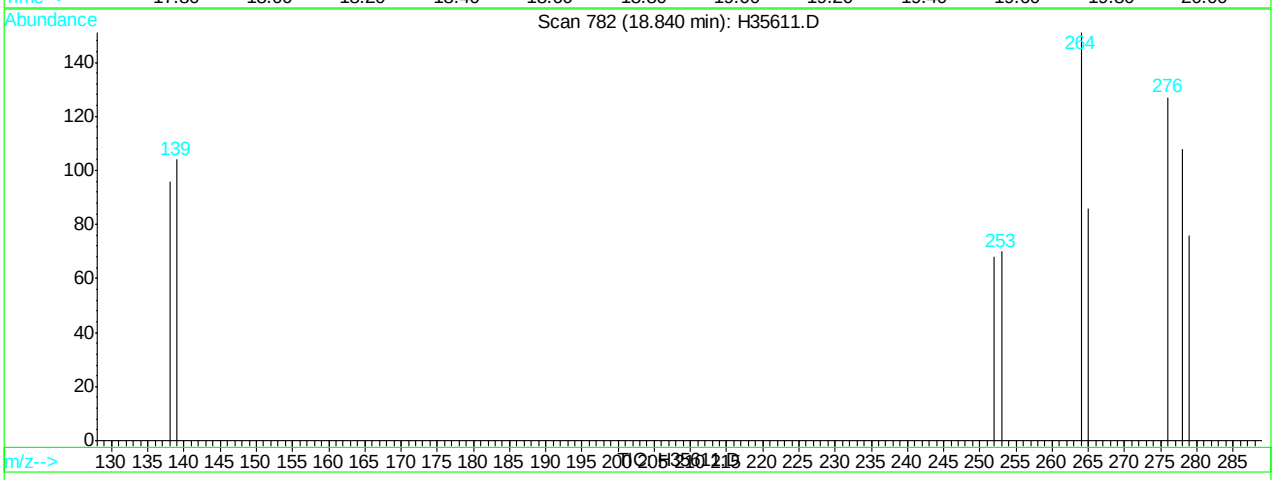
H35611.D H10269SP.M Tue Oct 27 14:45:08 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35611.D Vial: 3
Acq On : 26 Oct 2009 12:39 pm Operator: sheilac
Sample : ic1921-1 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:22 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(31) Dibenz[a,h]anthracene (T)

18.84min 1.31ppb m

response 640

Ion	Exp%	Act%
278.00	100	100
139.00	123.90	96.30
279.00	93.00	70.37
0.00	0.00	0.00

H35611.D H10269SP.M Tue Oct 27 14:45:15 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez 10/27/09 17:17

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1921\H35612.D Vial: 4
Acq On : 26 Oct 2009 1:07 pm Operator: sheilac
Sample : ic1921-0.1 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:11 2009 Quant Results File: H10269SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:56:25 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.66	152	74110	4.00	ppb	0.03
4) Naphthalene-d8	7.57	136	50894	4.00	ppb	-0.03
9) Acenaphthene-d10	9.57	164	33984	4.00	ppb	0.00
15) Phenanthrene-d10	11.11	188	42269	4.00	ppb	0.02
21) Chrysene-d12	13.97	240	6599	4.00	ppb	0.07
26) Perylene-d12	16.45	264	4230	4.00	ppb	0.00

System Monitoring Compounds

5) Nitrobenzene-d5	6.59	82	105m	0.06	ppb	0.00
Spiked Amount 5.000	Range 17 - 131		Recovery	=	1.20%#	
10) 2-Fluorobiphenyl	9.00	172	8101m	0.43	ppb	0.13
Spiked Amount 5.000	Range 15 - 137		Recovery	=	8.60%#	
16) 2,4,6-Tribromophenol	10.51	330	608m	0.50	ppb	0.11
Spiked Amount 10.000	Range 10 - 123		Recovery	=	5.00%#	
23) Terphenyl-d14	12.73	244	600	0.37	ppb	0.06
Spiked Amount 5.000	Range 10 - 160		Recovery	=	7.40%#	

Target Compounds

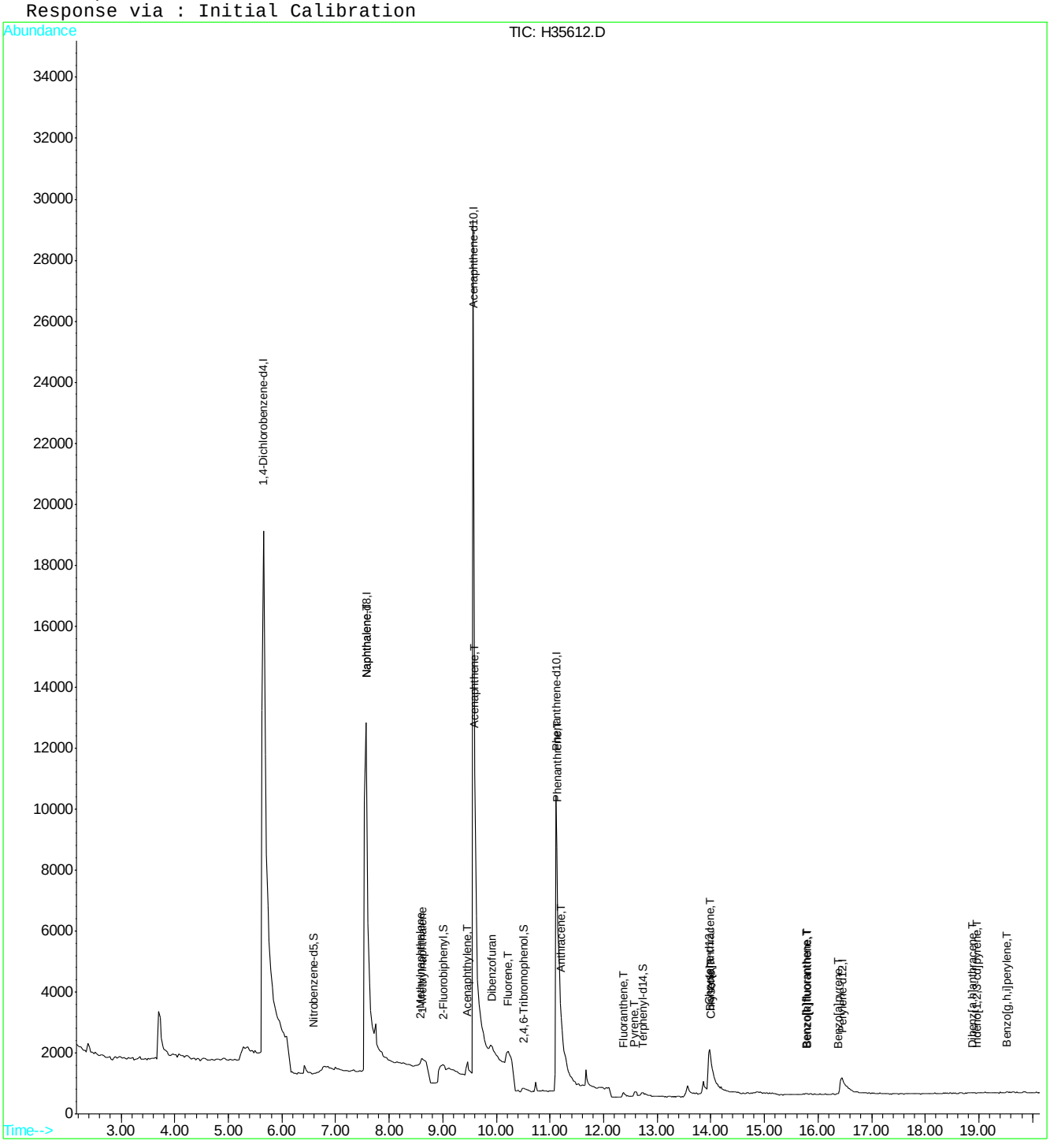
							Qvalue
6) Naphthalene	7.57	128	2228	0.13	ppb	#	90
7) 2-Methylnaphthalene	8.58	142	231m	0.02	ppb		
8) 1-Methylnaphthalene	8.61	142	1582m	0.08	ppb		
11) Acenaphthylene	9.46	152	1536	0.07	ppb		90
12) Acenaphthene	9.60	153	1806	0.10	ppb	#	73
13) Dibenzofuran	9.92	168	2112m	0.12	ppb		
14) Fluorene	10.21	166	1421m	0.16	ppb		
18) Phenanthrene	11.13	178	1629	0.09	ppb	#	89
19) Anthracene	11.21	178	2509m	0.12	ppb		
20) Fluoranthene	12.37	202	603	0.07	ppb	#	82
22) Pyrene	12.57	202	1042	0.10	ppb	#	91
24) Benzo[a]anthracene	13.99	228	273m	0.18	ppb		
25) Chrysene	14.01	228	246m	0.08	ppb		
27) Benzo[b]fluoranthene	15.78	252	96m	0.08	ppb		
28) Benzo[k]fluoranthene	15.79	252	107m	0.06	ppb		
29) Benzo[a]pyrene	16.37	252	83	0.06	ppb	#	44
30) Indeno[1,2,3-cd]pyrene	18.96	276	70	0.09	ppb	#	18
31) Dibenz[a,h]anthracene	18.87	278	38	0.07	ppb	#	63
32) Benzo[g,h,i]perylene	19.51	276	31	0.04	ppb	#	14

(#) = qualifier out of range (m) = manual integration
H35612.D H10269SP.M Tue Oct 27 14:45:21 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1921\H35612.D Vial: 4
Acq On : 26 Oct 2009 1:07 pm Operator: sheilac
Sample : ic1921-0.1 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:11 2009 Quant Results File: H10269SP.RES

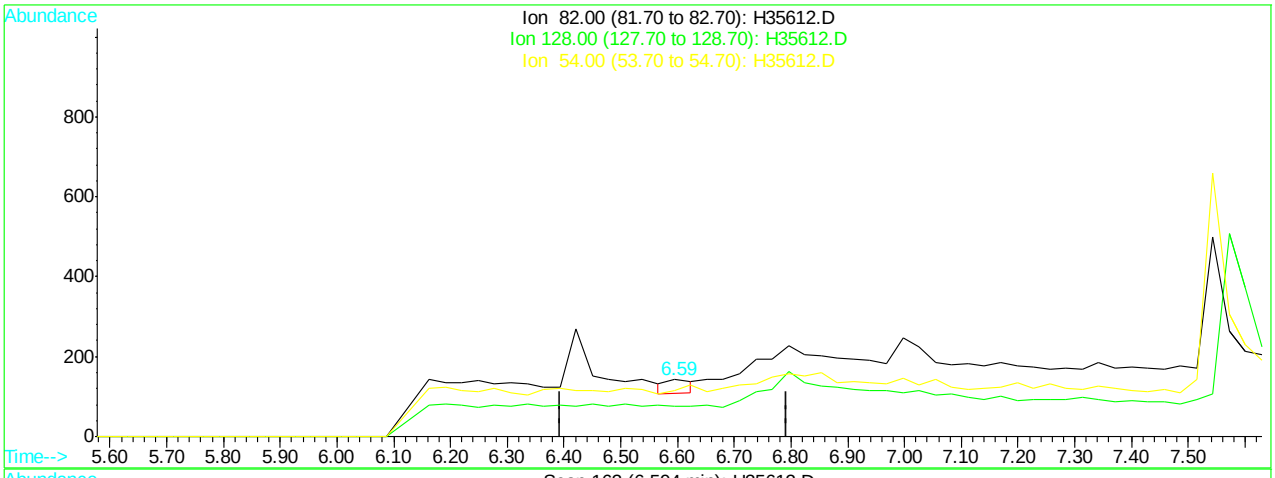
Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Initial Calibration

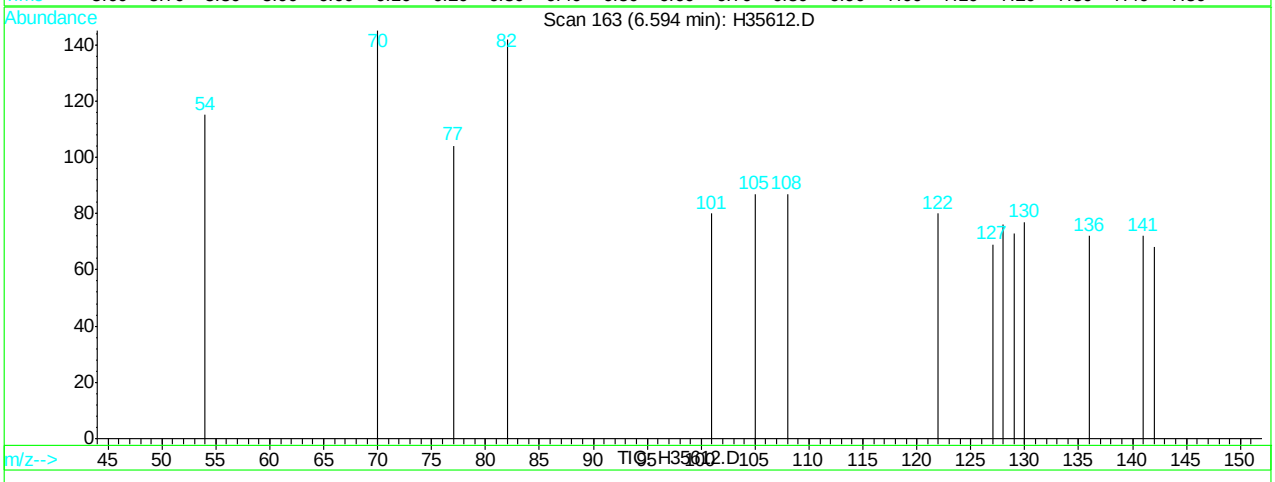


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35612.D Vial: 4
Acq On : 26 Oct 2009 1:07 pm Operator: sheilac
Sample : ic1921-0.1 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:11 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(5) Nitrobenzene-d5 (S)

6.59min 0.06ppb m

response 105

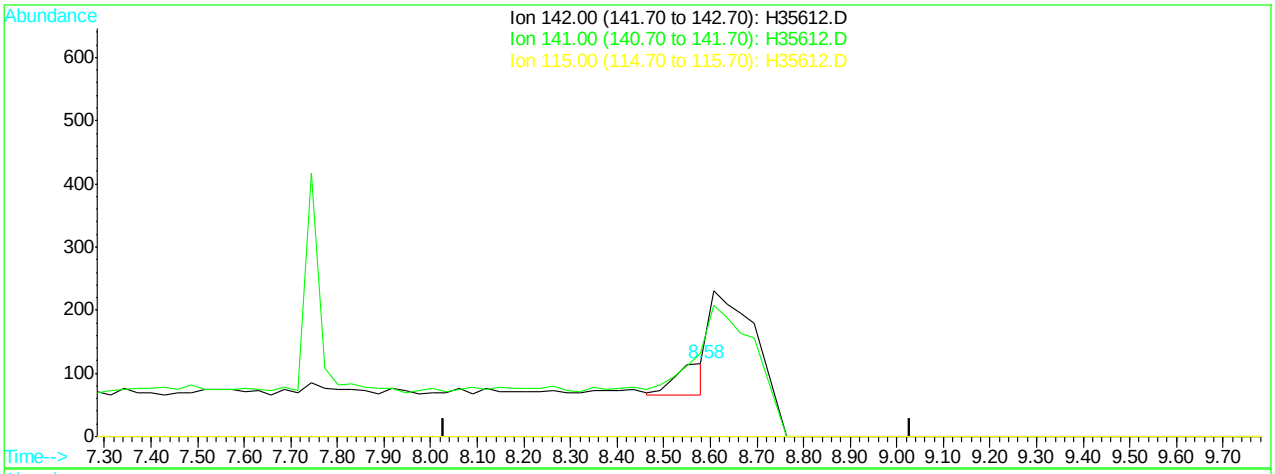
Ion	Exp%	Act%
82.00	100	100
128.00	7.60	53.52#
54.00	375.50	80.99#
0.00	0.00	0.00

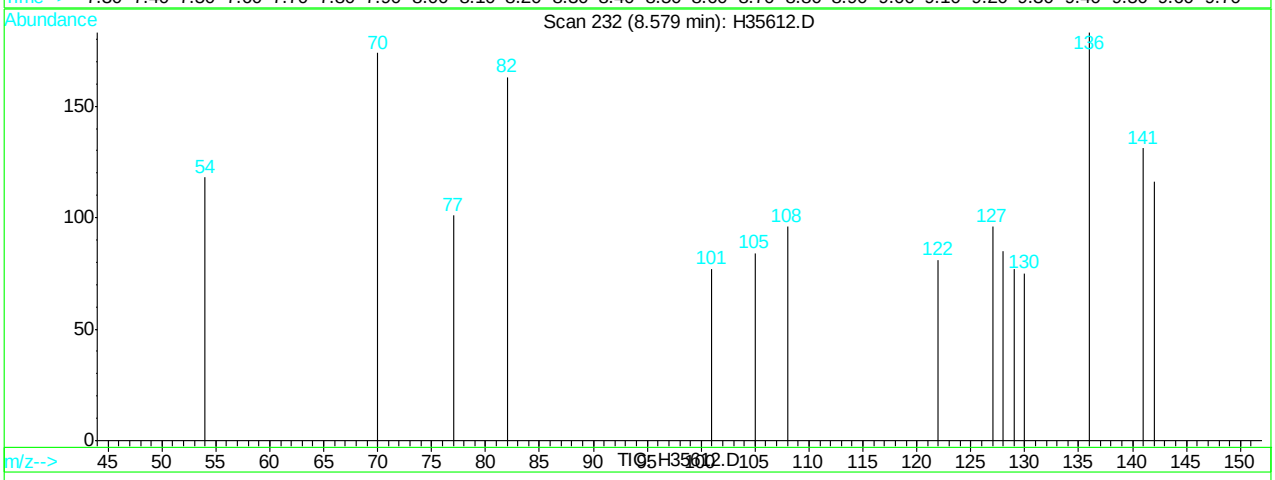
H35612.D H10269SP.M Tue Oct 27 14:46:11 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35612.D Vial: 4
Acq On : 26 Oct 2009 1:07 pm Operator: sheilac
Sample : ic1921-0.1 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:11 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(7) 2-Methylnaphthalene

8.58min 0.02ppb m

response 231

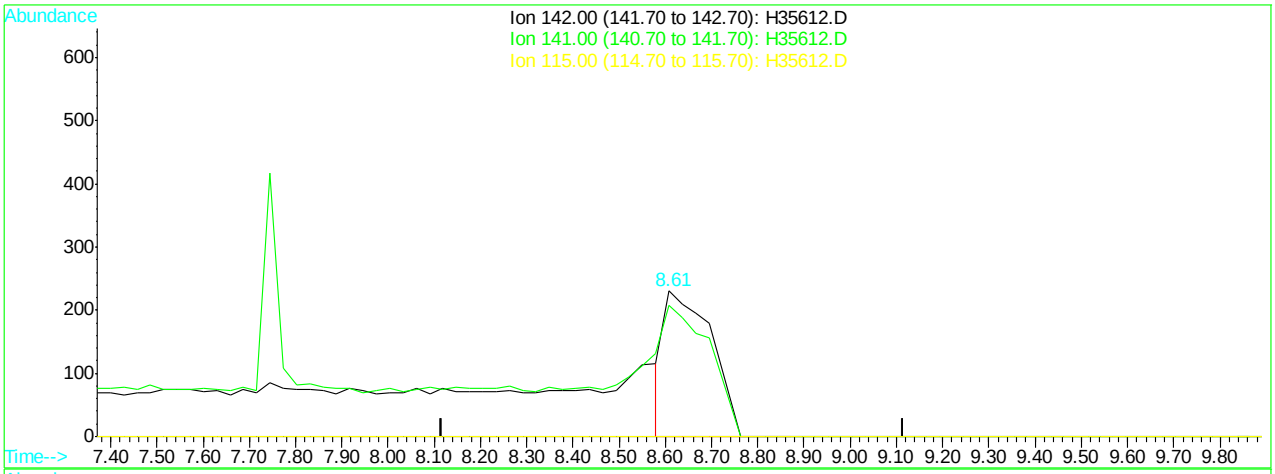
Ion	Exp%	Act%
142.00	100	100
141.00	148.50	960.17#
115.00	0.00	0.00
0.00	0.00	0.00

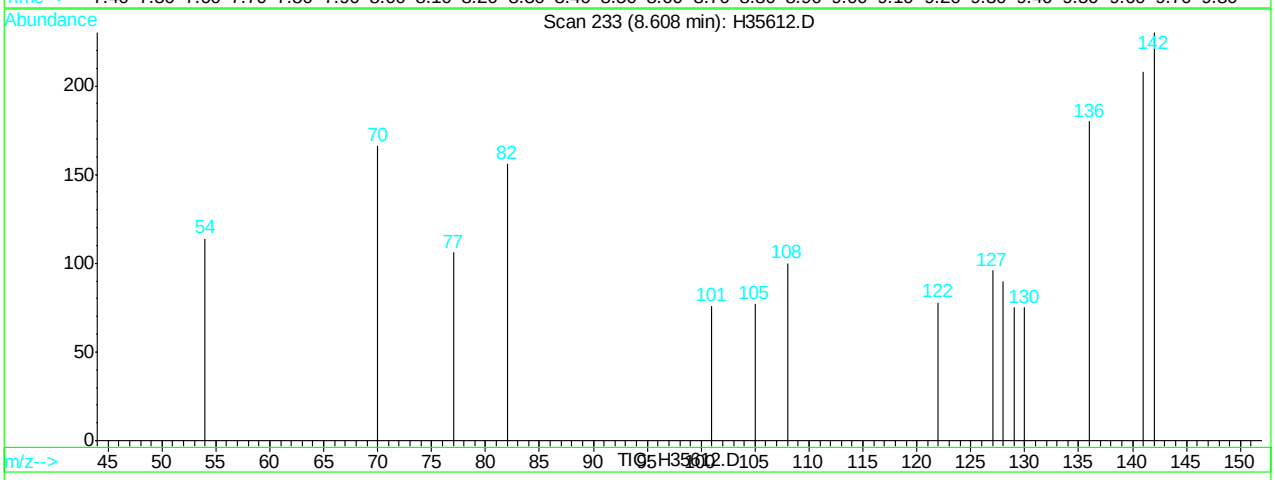
H35612.D H10269SP.M Tue Oct 27 14:46:14 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35612.D Vial: 4
Acq On : 26 Oct 2009 1:07 pm Operator: sheilac
Sample : ic1921-0.1 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:11 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(8) 1-Methylnaphthalene

8.61min 0.08ppb m

response 1582

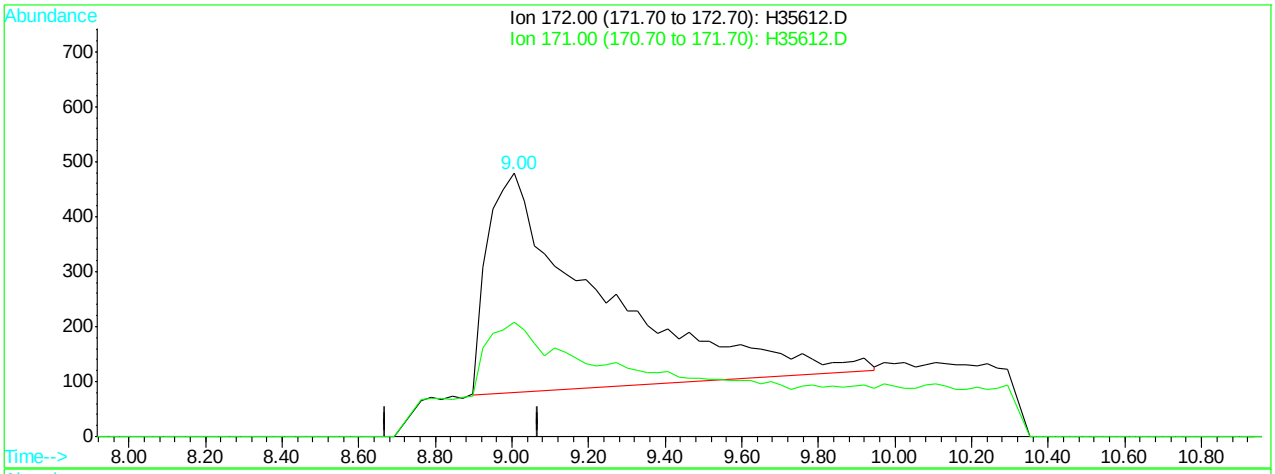
Ion	Exp%	Act%
142.00	100	100
141.00	86.50	140.20#
115.00	0.00	0.00
0.00	0.00	0.00

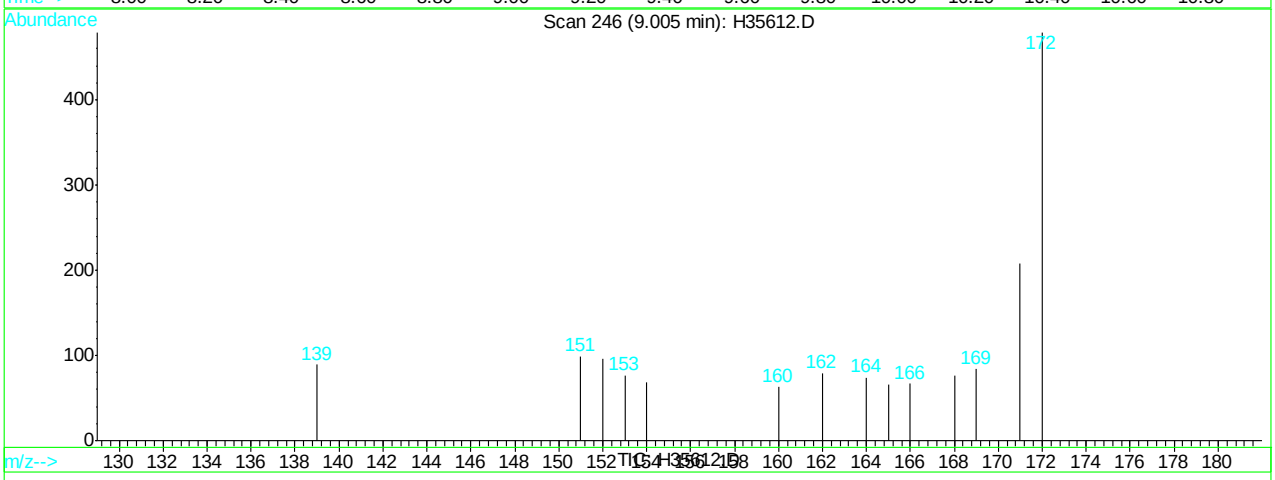
H35612.D H10269SP.M Tue Oct 27 14:46:18 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35612.D Vial: 4
Acq On : 26 Oct 2009 1:07 pm Operator: sheilac
Sample : ic1921-0.1 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:11 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(10) 2-Fluorobiphenyl (S)

9.00min 0.43ppb m

response 8101

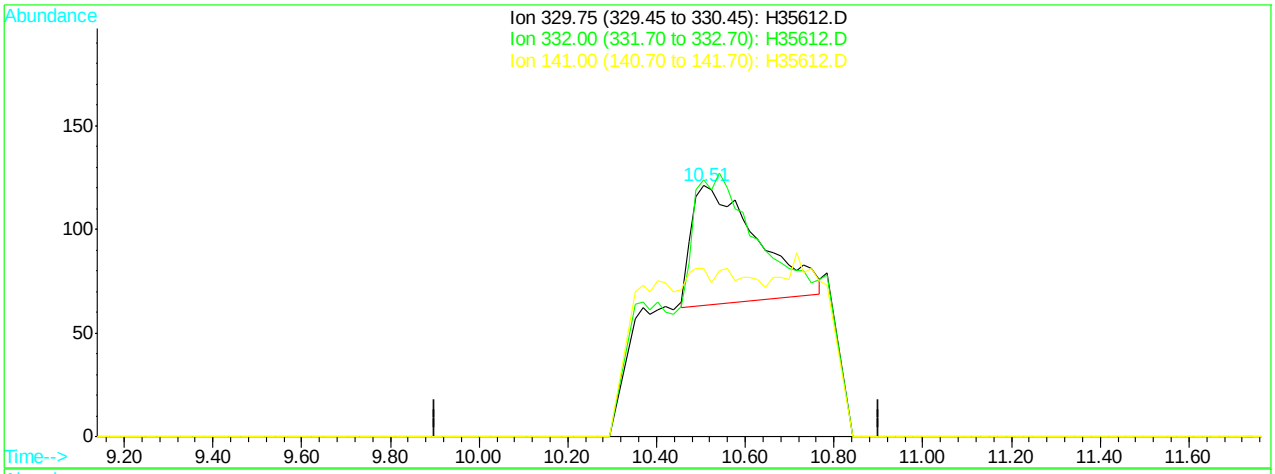
Ion	Exp%	Act%
172.00	100	100
171.00	27.30	43.42#
0.00	0.00	0.00
0.00	0.00	0.00

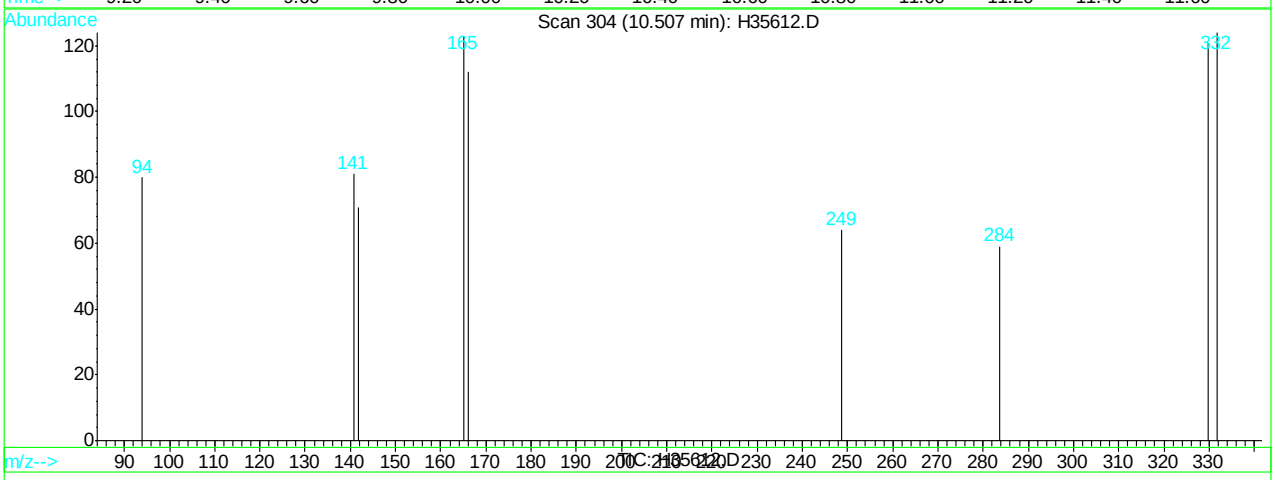
H35612.D H10269SP.M Tue Oct 27 14:46:23 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35612.D Vial: 4
Acq On : 26 Oct 2009 1:07 pm Operator: sheilac
Sample : ic1921-0.1 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:11 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(16) 2,4,6-Tribromophenol (S)

10.51min 0.50ppb m

response 608

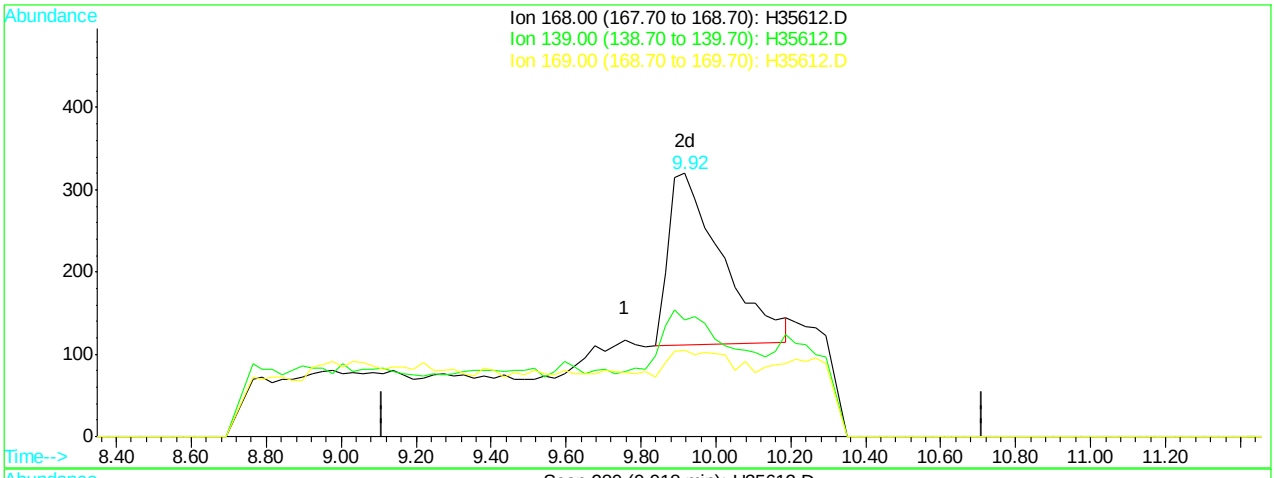
Ion	Exp%	Act%
329.75	100	100
332.00	102.30	360.20#
141.00	16.20	0.00#
0.00	0.00	0.00

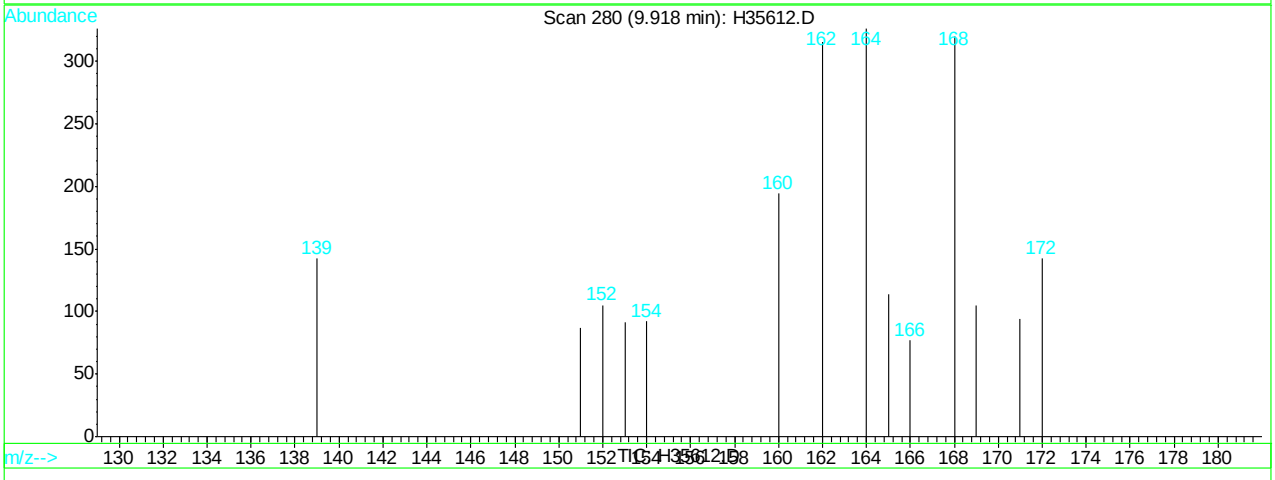
H35612.D H10269SP.M Tue Oct 27 14:46:27 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35612.D Vial: 4
Acq On : 26 Oct 2009 1:07 pm Operator: sheilac
Sample : ic1921-0.1 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:11 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(13) Dibenzofuran

9.92min 0.12ppb m

response 2112

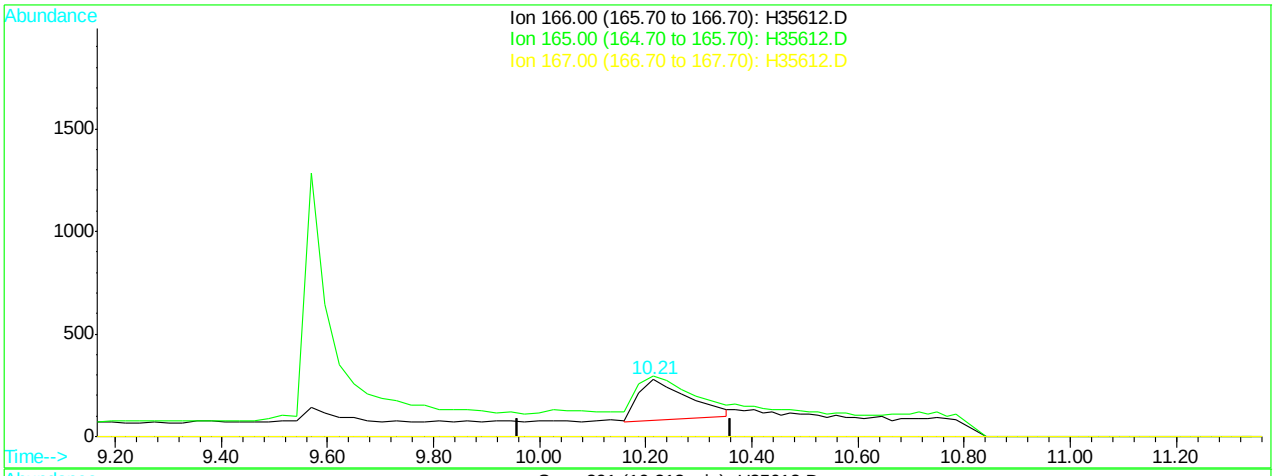
Ion	Exp%	Act%
168.00	100	100
139.00	48.10	0.00#
169.00	14.00	0.00#
0.00	0.00	0.00

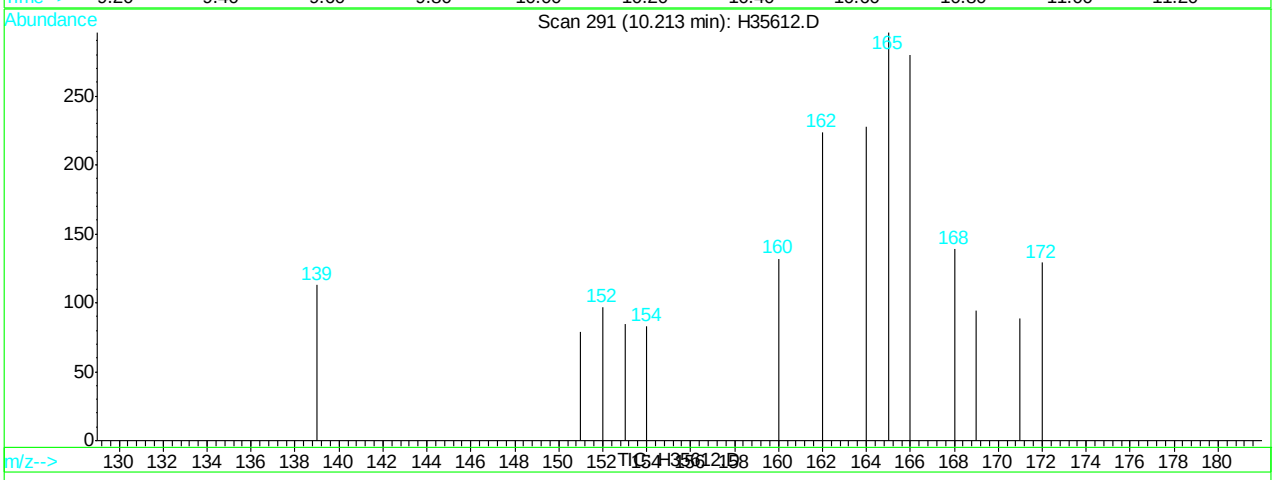
H35612.D H10269SP.M Tue Oct 27 14:46:41 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35612.D Vial: 4
Acq On : 26 Oct 2009 1:07 pm Operator: sheilac
Sample : ic1921-0.1 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:11 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(14) Fluorene (T)

10.21min 0.16ppb m

response 1421

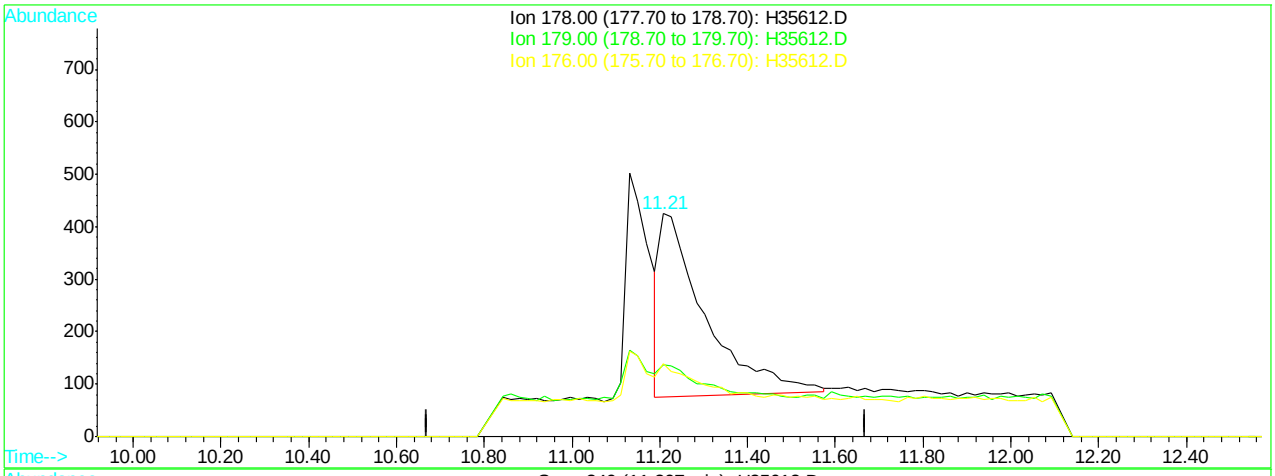
Ion	Exp%	Act%
166.00	100	100
165.00	75.90	105.71#
167.00	0.00	0.00
0.00	0.00	0.00

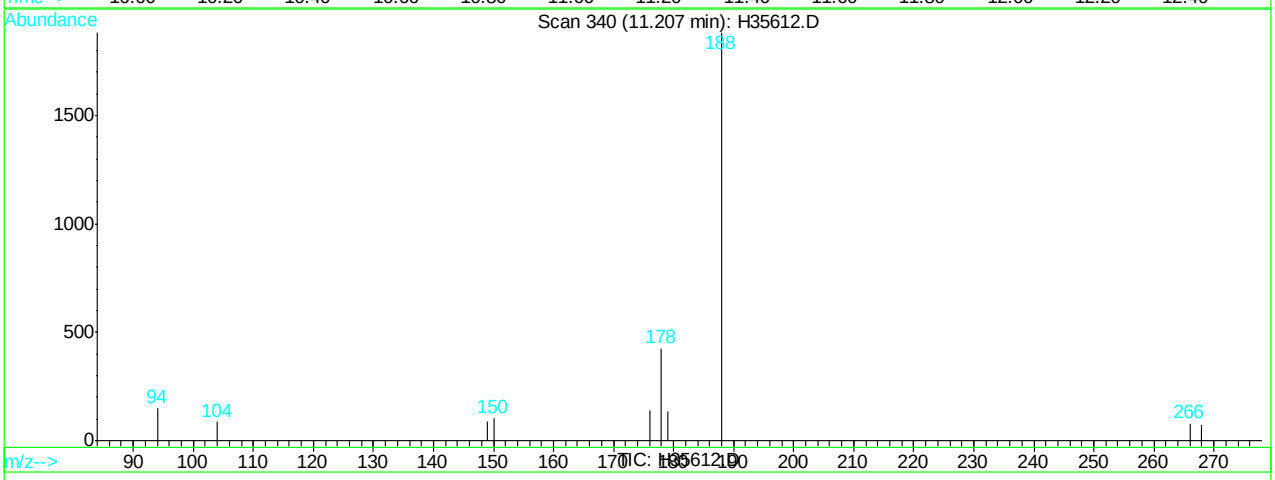
H35612.D H10269SP.M Tue Oct 27 14:46:48 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35612.D Vial: 4
Acq On : 26 Oct 2009 1:07 pm Operator: sheilac
Sample : ic1921-0.1 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:11 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(19) Anthracene (T)

11.21min 0.12ppb m

response 2509

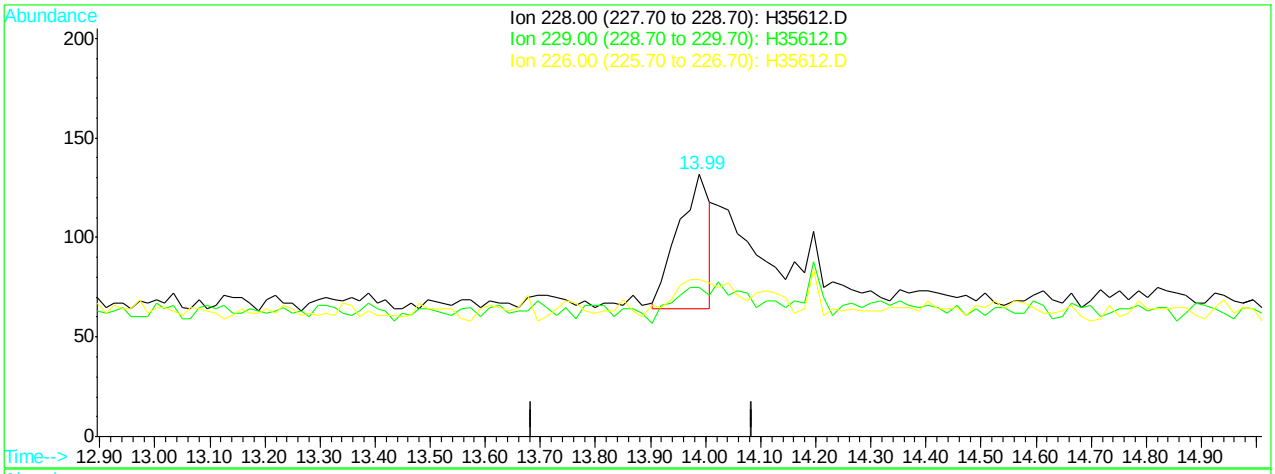
Ion	Exp%	Act%
178.00	100	100
179.00	15.10	32.00#
176.00	19.00	32.94#
0.00	0.00	0.00

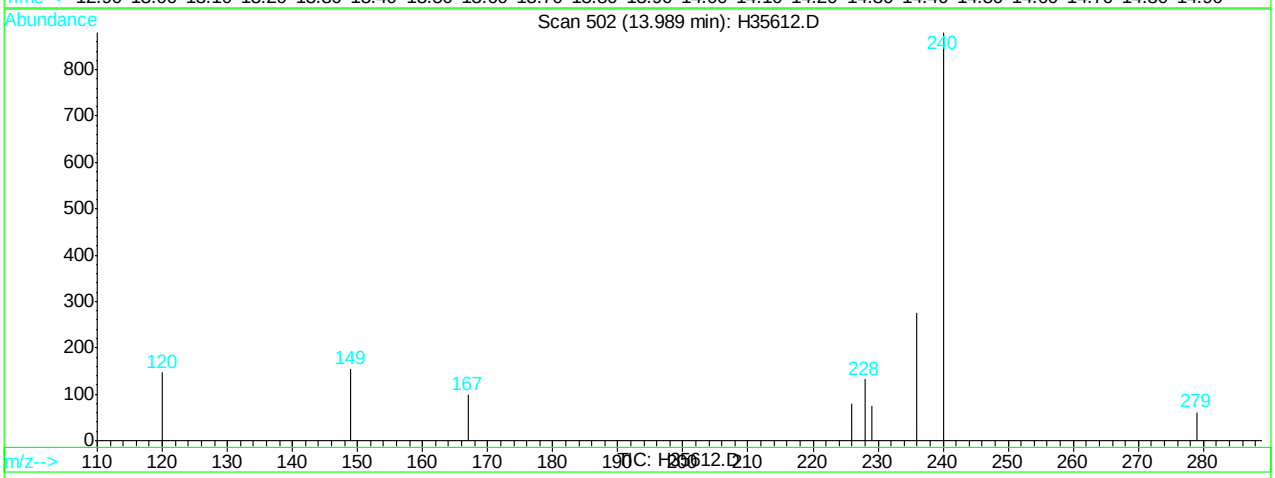
H35612.D H10269SP.M Tue Oct 27 14:46:59 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35612.D Vial: 4
Acq On : 26 Oct 2009 1:07 pm Operator: sheilac
Sample : ic1921-0.1 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:11 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(24) Benzo[a]anthracene (T)

13.99min 0.18ppb m

response 273

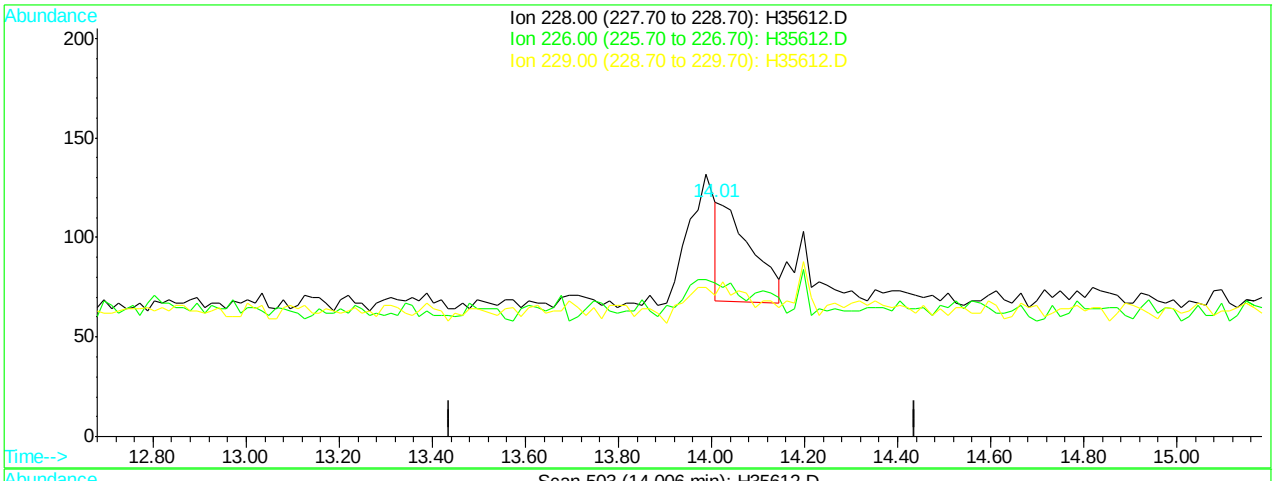
Ion	Exp%	Act%
228.00	100	100
229.00	20.50	56.82#
226.00	30.50	59.85#
0.00	0.00	0.00

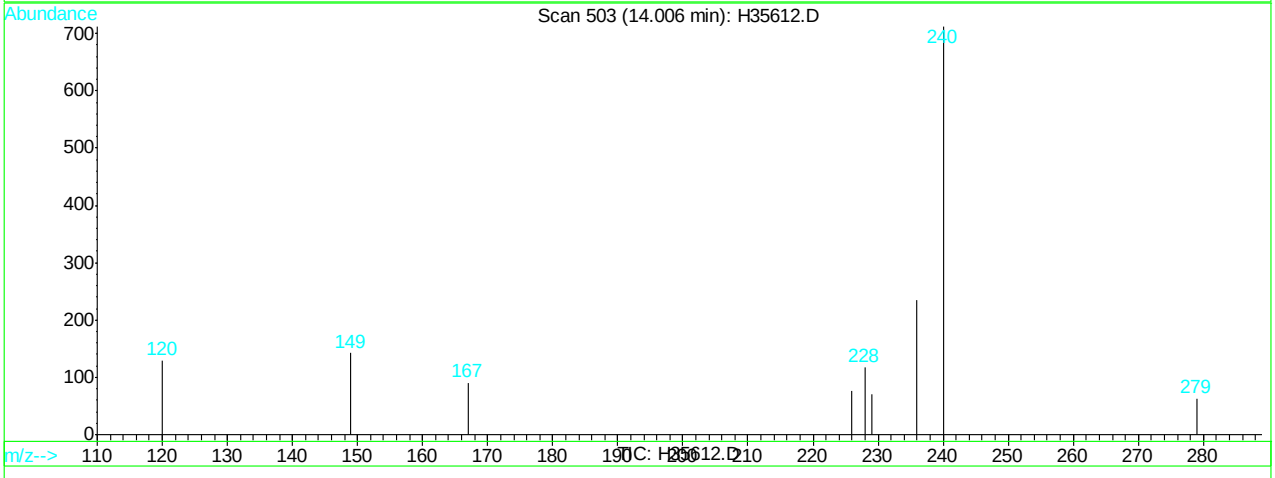
H35612.D H10269SP.M Tue Oct 27 14:47:05 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35612.D Vial: 4
Acq On : 26 Oct 2009 1:07 pm Operator: sheilac
Sample : ic1921-0.1 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:11 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(25) Chrysene (T)

14.01min 0.08ppb m

response 246

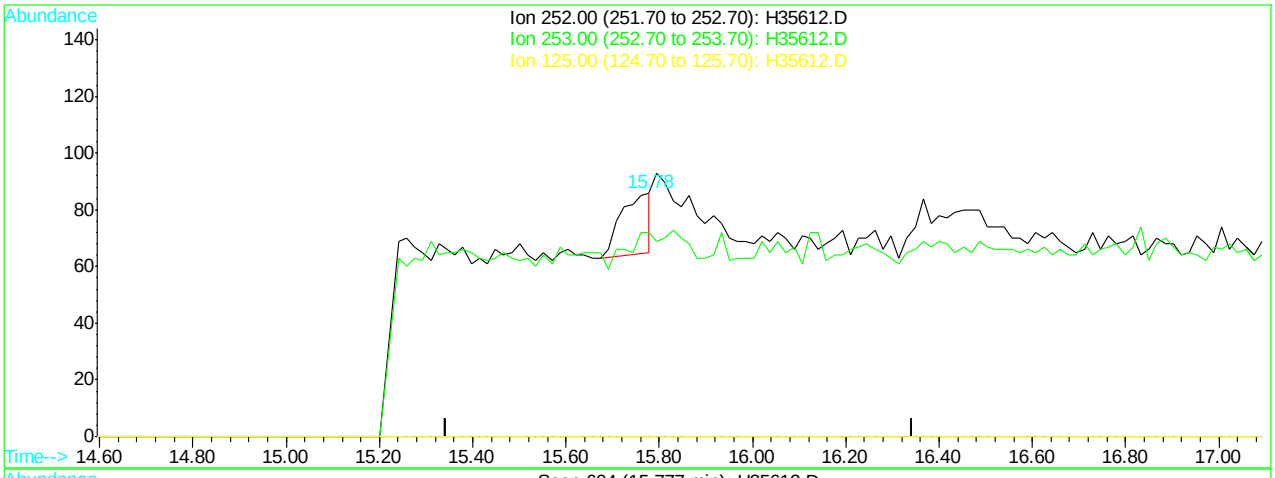
Ion	Exp%	Act%
228.00	100	100
226.00	31.10	65.25#
229.00	21.20	60.17#
0.00	0.00	0.00

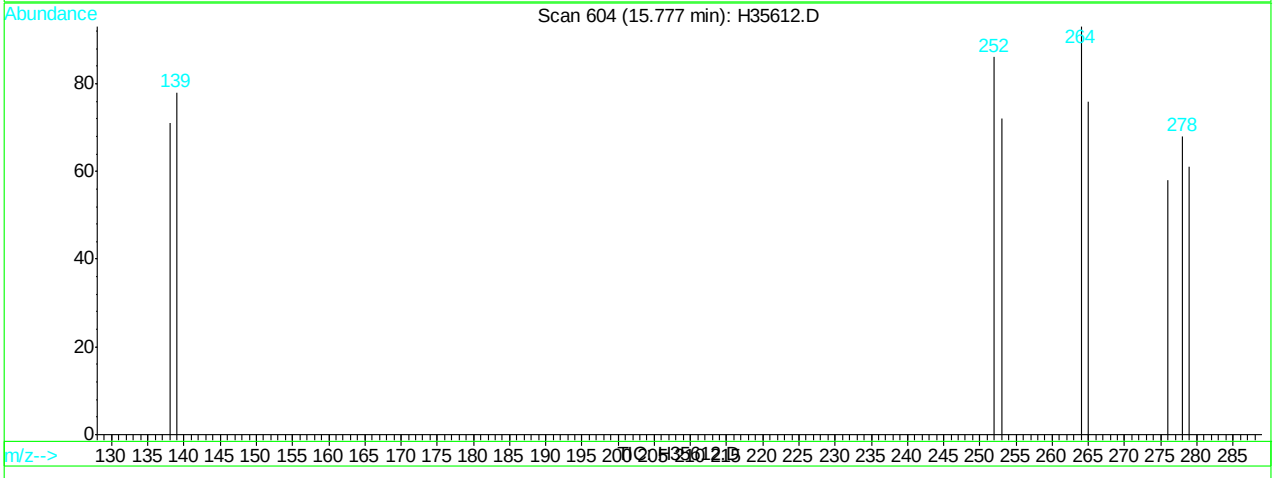
H35612.D H10269SP.M Tue Oct 27 14:47:08 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35612.D Vial: 4
Acq On : 26 Oct 2009 1:07 pm Operator: sheilac
Sample : ic1921-0.1 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:11 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(27) Benzo[b]fluoranthene (T)

15.78min 0.08ppb m

response 96

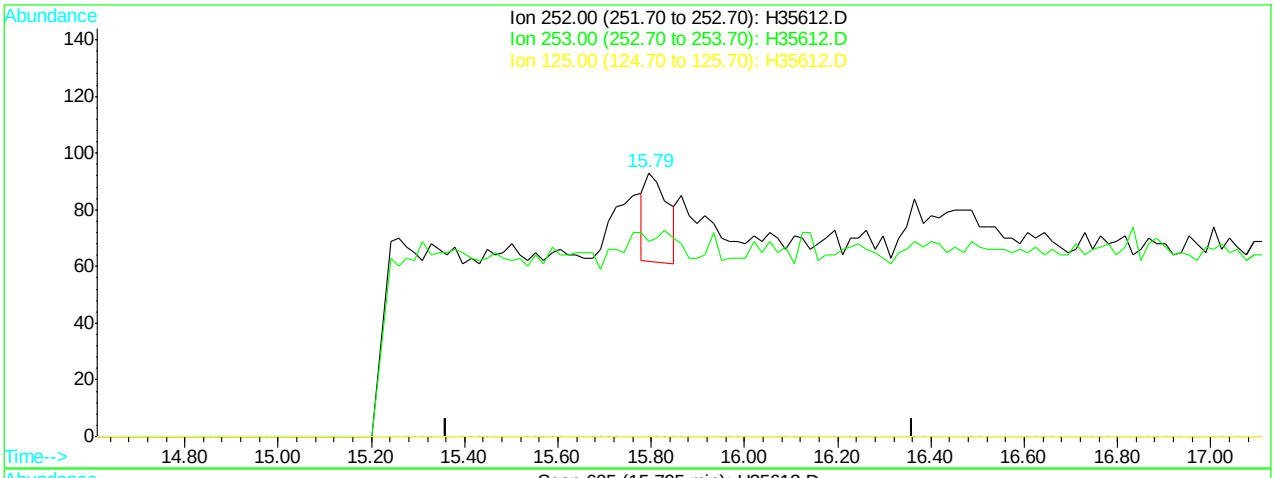
Ion	Exp%	Act%
252.00	100	100
253.00	83.70	83.72
125.00	0.00	0.00
0.00	0.00	0.00

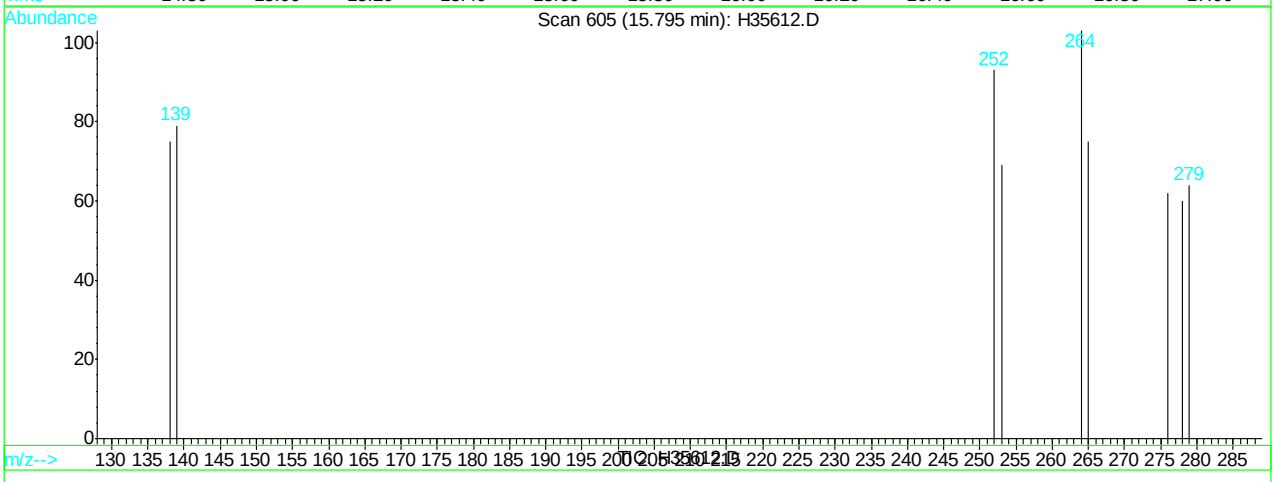
H35612.D H10269SP.M Tue Oct 27 14:47:12 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35612.D Vial: 4
Acq On : 26 Oct 2009 1:07 pm Operator: sheilac
Sample : ic1921-0.1 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:11 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.79min 0.06ppb m

response 107

Ion	Exp%	Act%
252.00	100	100
253.00	74.20	74.19
125.00	0.00	0.00
0.00	0.00	0.00

H35612.D H10269SP.M Tue Oct 27 14:47:15 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez 10/27/09 17:17

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1921\H35613.D Vial: 5
Acq On : 26 Oct 2009 1:36 pm Operator: sheilac
Sample : ic1921-0.2 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:13 2009 Quant Results File: H10269SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:58:52 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.63	152	78447	4.00	ppb	0.00
4) Naphthalene-d8	7.55	136	56194	4.00	ppb	-0.06
9) Acenaphthene-d10	9.57	164	38709	4.00	ppb	0.00
15) Phenanthrene-d10	11.11	188	44969	4.00	ppb	0.02
21) Chrysene-d12	13.97	240	6928	4.00	ppb	0.00
26) Perylene-d12	16.45	264	3884	4.00	ppb	0.00

System Monitoring Compounds						
5) Nitrobenzene-d5	6.71	82	1017m	0.55	ppb	0.12
Spiked Amount 5.000	Range 17 - 131		Recovery	=	11.00%#	
10) 2-Fluorobiphenyl	8.92	172	20811m	0.97	ppb	0.05
Spiked Amount 5.000	Range 15 - 137		Recovery	=	19.40%	
16) 2,4,6-Tribromophenol	10.49	330	1452m	1.12	ppb	0.09
Spiked Amount 10.000	Range 10 - 123		Recovery	=	11.20%	
23) Terphenyl-d14	12.73	244	1186	0.69	ppb	0.00
Spiked Amount 5.000	Range 10 - 160		Recovery	=	13.80%	

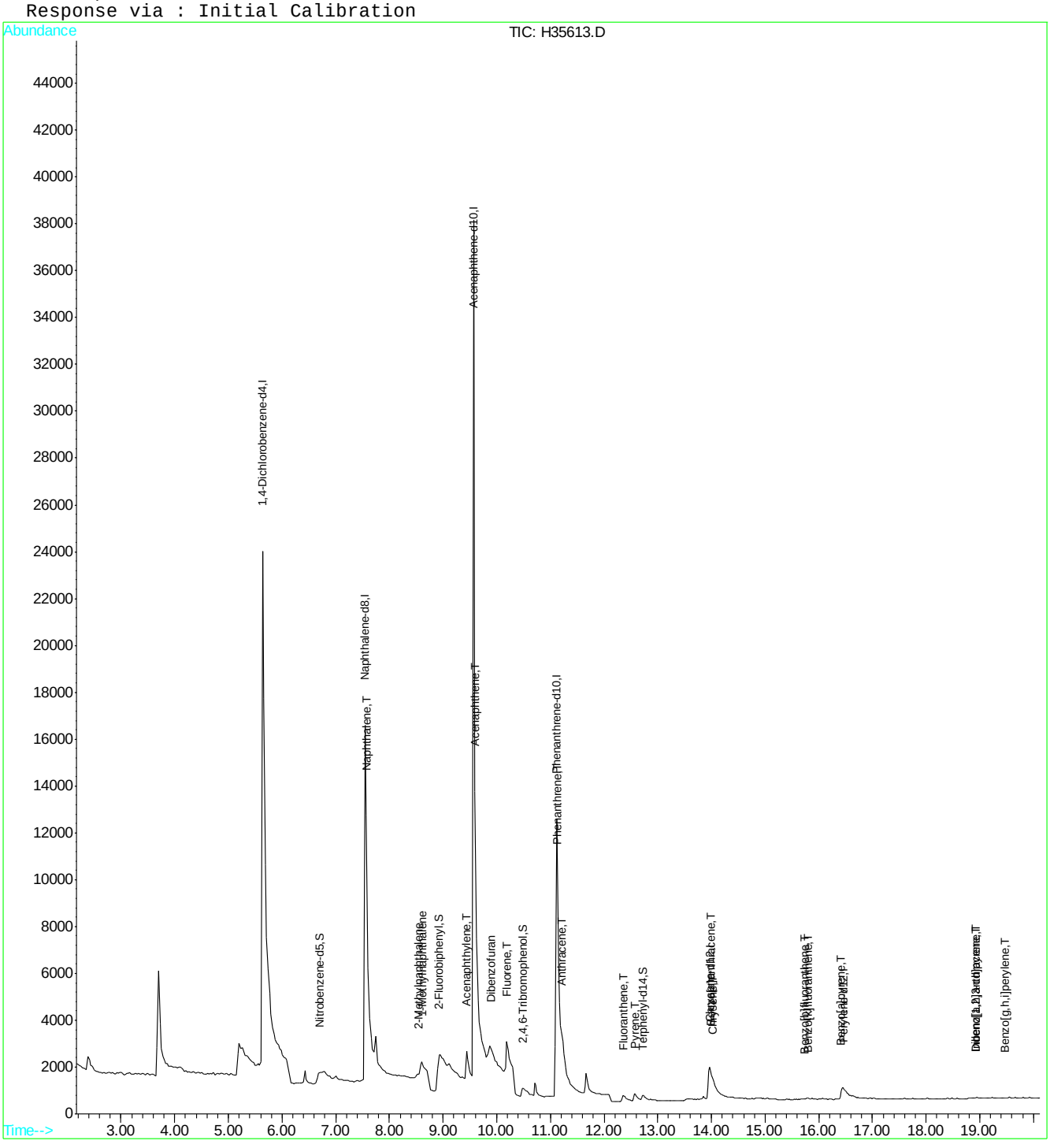
Target Compounds							Qvalue
6) Naphthalene	7.57	128	4022	0.21	ppb		94
7) 2-Methylnaphthalene	8.55	142	506m	0.04	ppb		
8) 1-Methylnaphthalene	8.61	142	3635m	0.17	ppb		
11) Acenaphthylene	9.43	152	3471	0.15	ppb		99
12) Acenaphthene	9.60	153	3804	0.18	ppb	#	71
13) Dibenzofuran	9.89	168	5074m	0.25	ppb		
14) Fluorene	10.19	166	2773m	0.27	ppb		
18) Phenanthrene	11.13	178	2766	0.14	ppb		96
19) Anthracene	11.21	178	4438	0.19	ppb		97
20) Fluoranthene	12.36	202	1121	0.12	ppb		96
22) Pyrene	12.57	202	1559	0.14	ppb		97
24) Benzo[a]anthracene	13.99	228	501m	0.32	ppb		
25) Chrysene	14.02	228	369m	0.12	ppb		
27) Benzo[b]fluoranthene	15.74	252	121m	0.11	ppb		
28) Benzo[k]fluoranthene	15.79	252	320m	0.18	ppb		
29) Benzo[a]pyrene	16.42	252	229	0.19	ppb	#	8
30) Indeno[1,2,3-cd]pyrene	18.93	276	59	0.09	ppb	#	26
31) Dibenz[a,h]anthracene	18.93	278	86	0.17	ppb	#	1
32) Benzo[g,h,i]perylene	19.46	276	93	0.14	ppb		89

(#) = qualifier out of range (m) = manual integration
H35613.D H10269SP.M Tue Oct 27 14:47:22 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1921\H35613.D Vial: 5
Acq On : 26 Oct 2009 1:36 pm Operator: sheilac
Sample : ic1921-0.2 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:13 2009 Quant Results File: H10269SP.RES

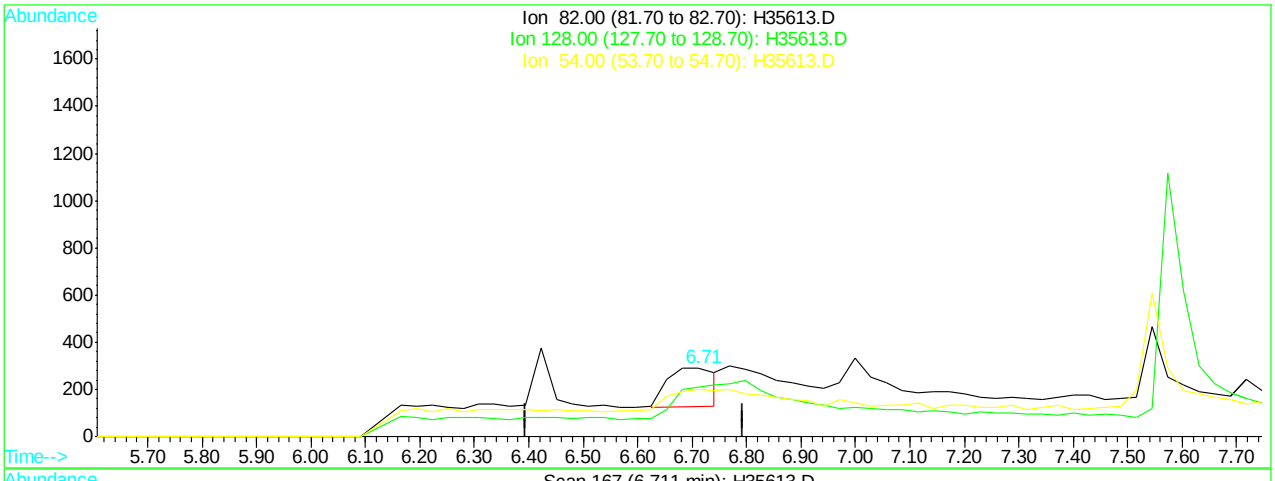
Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Initial Calibration

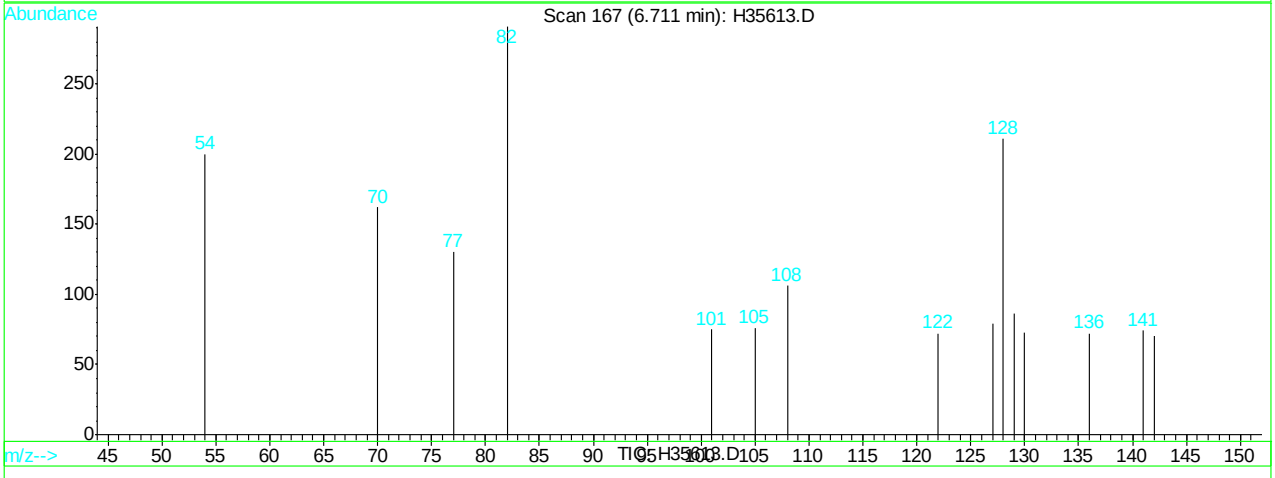


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35613.D Vial: 5
Acq On : 26 Oct 2009 1:36 pm Operator: sheilac
Sample : ic1921-0.2 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:13 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(5) Nitrobenzene-d5 (S)

6.71min 0.55ppb m

response 1017

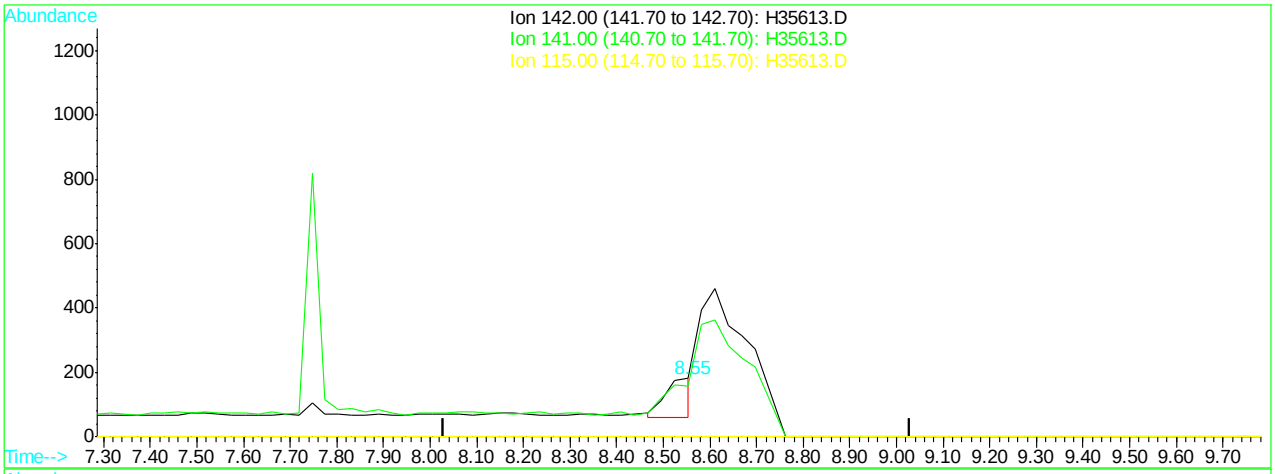
Ion	Exp%	Act%
82.00	100	100
128.00	7.60	72.51#
54.00	375.50	68.73#
0.00	0.00	0.00

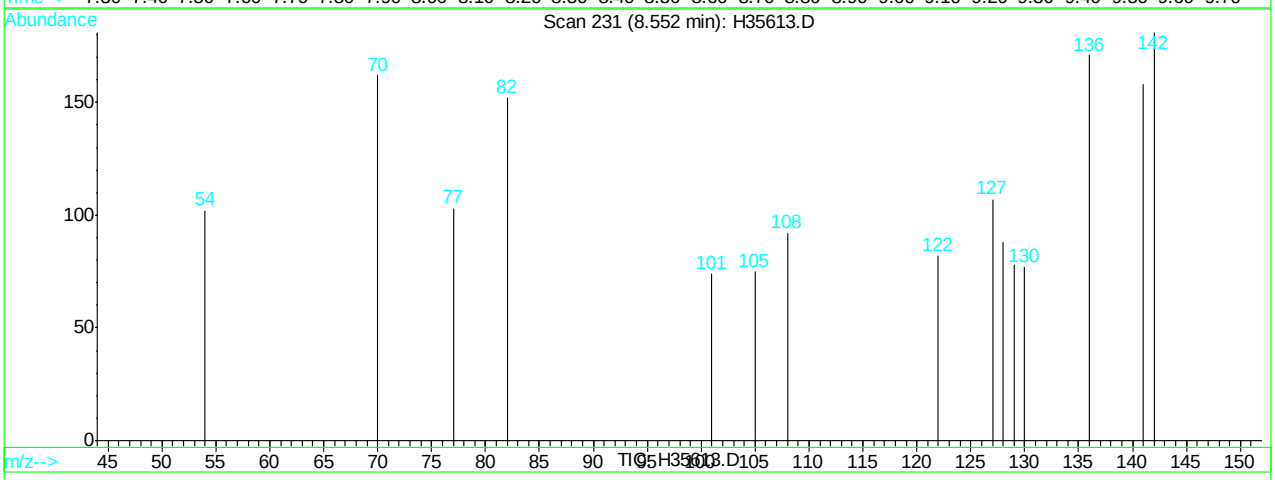
H35613.D H10269SP.M Tue Oct 27 14:48:04 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35613.D Vial: 5
Acq On : 26 Oct 2009 1:36 pm Operator: sheilac
Sample : ic1921-0.2 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:13 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(7) 2-Methylnaphthalene

8.55min 0.04ppb m

response 506

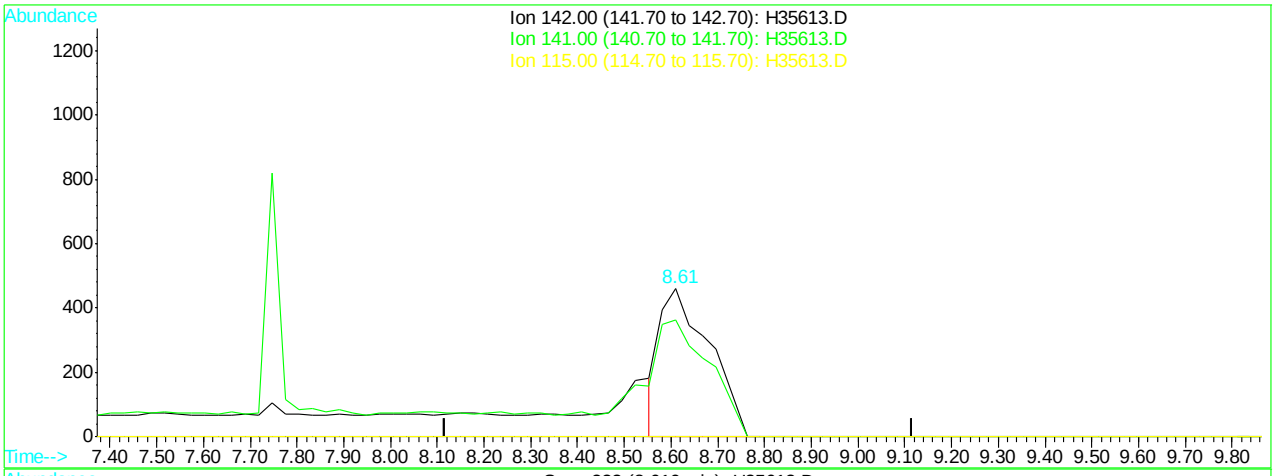
Ion	Exp%	Act%
142.00	100	100
141.00	148.50	744.66#
115.00	0.00	0.00
0.00	0.00	0.00

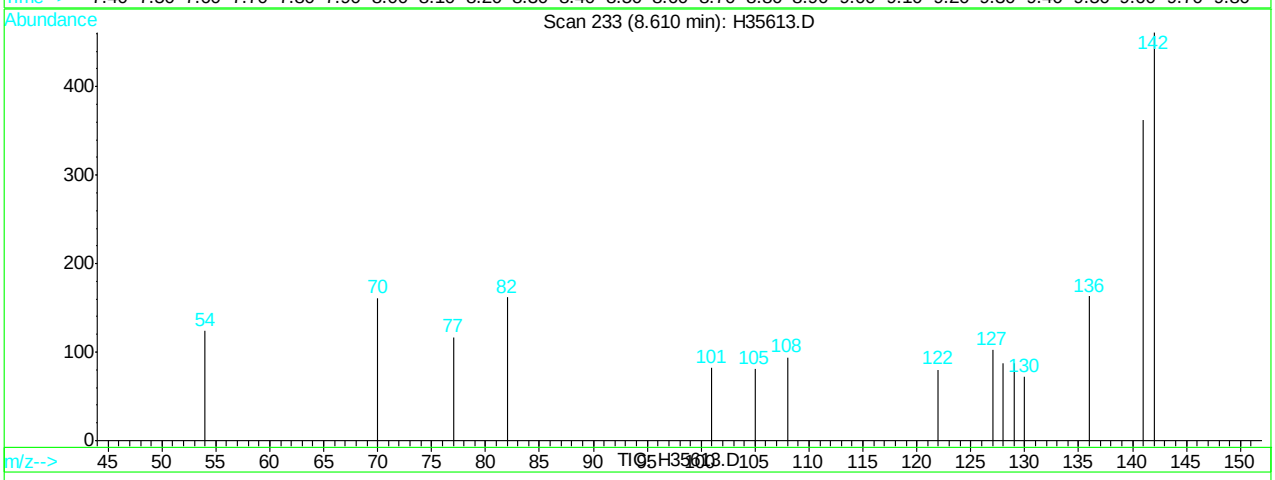
H35613.D H10269SP.M Tue Oct 27 14:48:08 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35613.D Vial: 5
Acq On : 26 Oct 2009 1:36 pm Operator: sheilac
Sample : ic1921-0.2 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:13 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(8) 1-Methylnaphthalene

8.61min 0.17ppb m

response 3635

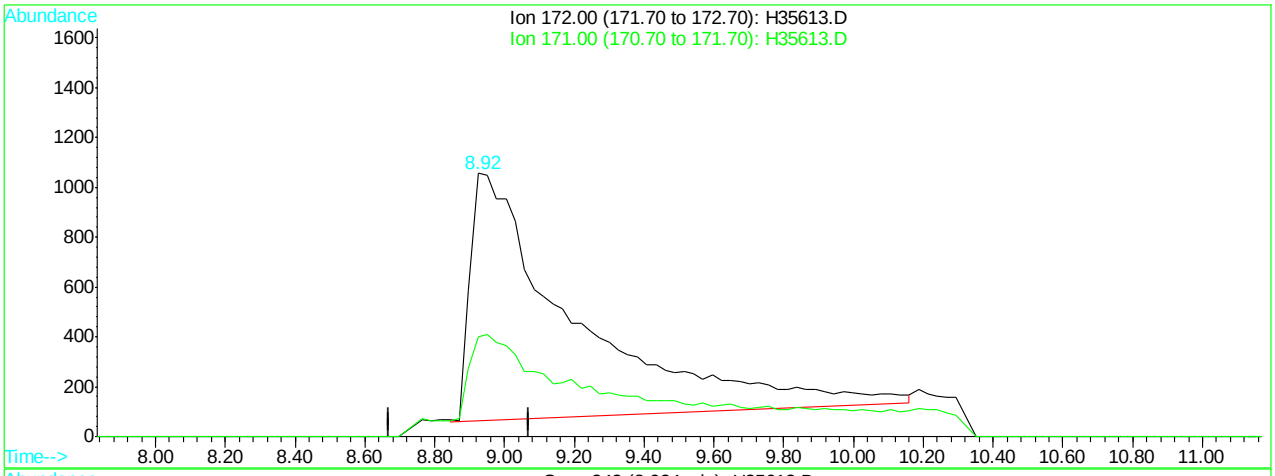
Ion	Exp%	Act%
142.00	100	100
141.00	86.50	103.66
115.00	0.00	0.00
0.00	0.00	0.00

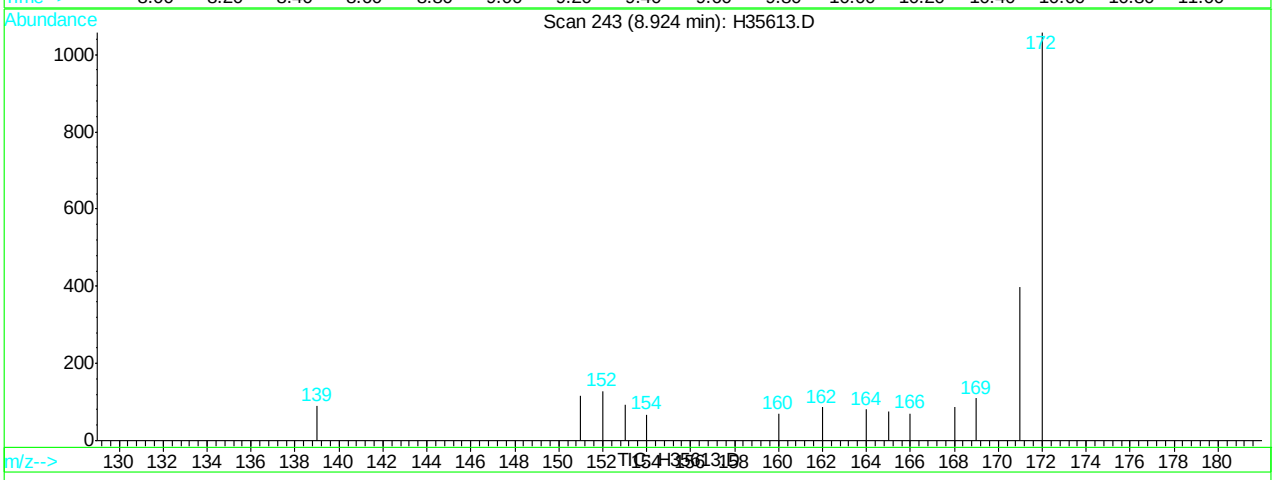
H35613.D H10269SP.M Tue Oct 27 14:48:11 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35613.D Vial: 5
Acq On : 26 Oct 2009 1:36 pm Operator: sheilac
Sample : ic1921-0.2 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:13 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(10) 2-Fluorobiphenyl (S)

8.92min 0.97ppb m

response 20811

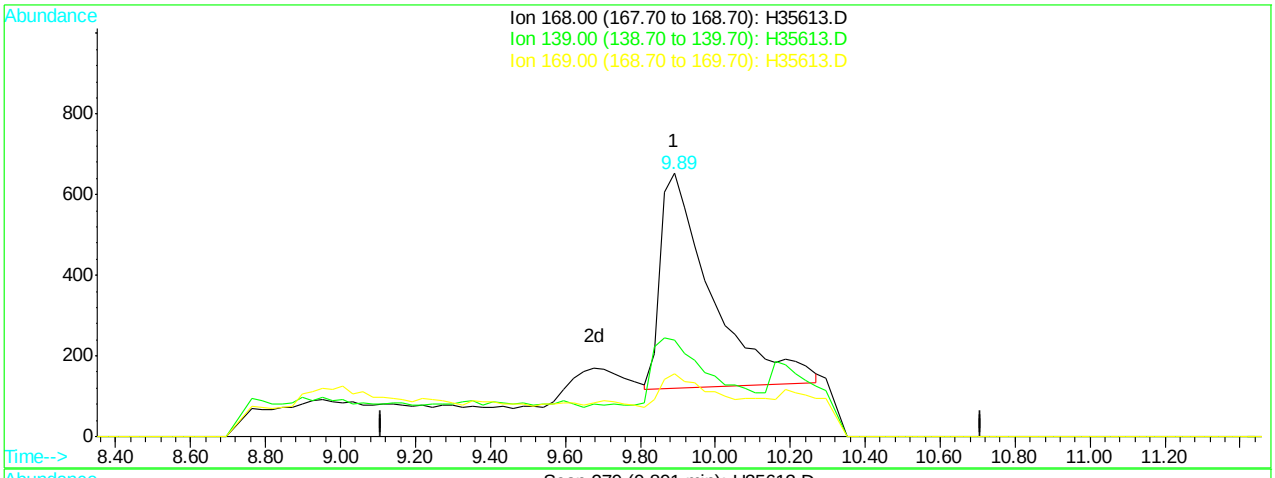
Ion	Exp%	Act%
172.00	100	100
171.00	27.30	37.75#
0.00	0.00	0.00
0.00	0.00	0.00

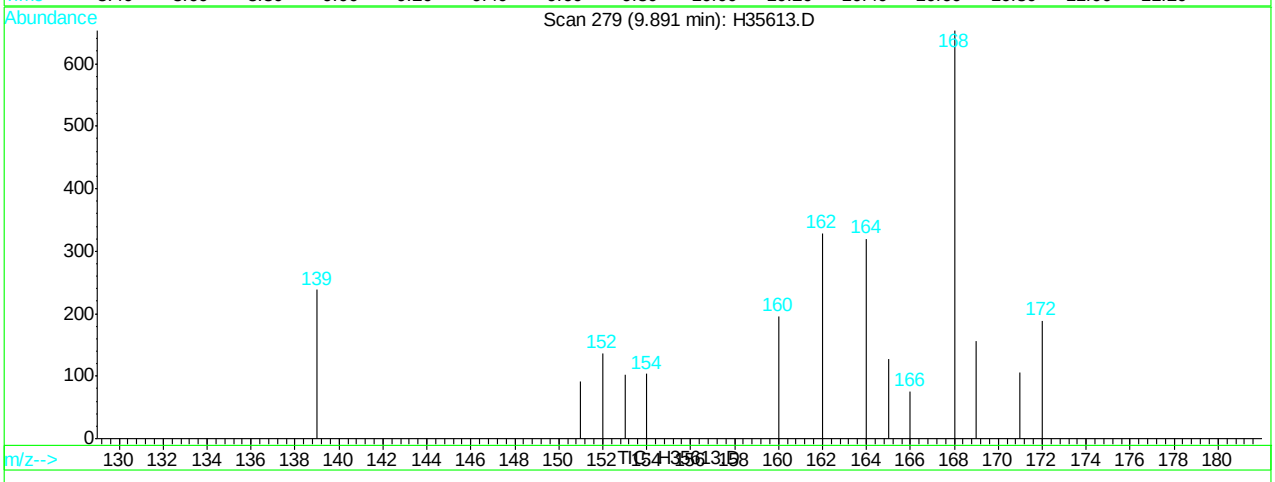
H35613.D H10269SP.M Tue Oct 27 14:48:18 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35613.D Vial: 5
Acq On : 26 Oct 2009 1:36 pm Operator: sheilac
Sample : ic1921-0.2 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:13 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(13) Dibenzofuran

9.89min 0.25ppb m

response 5074

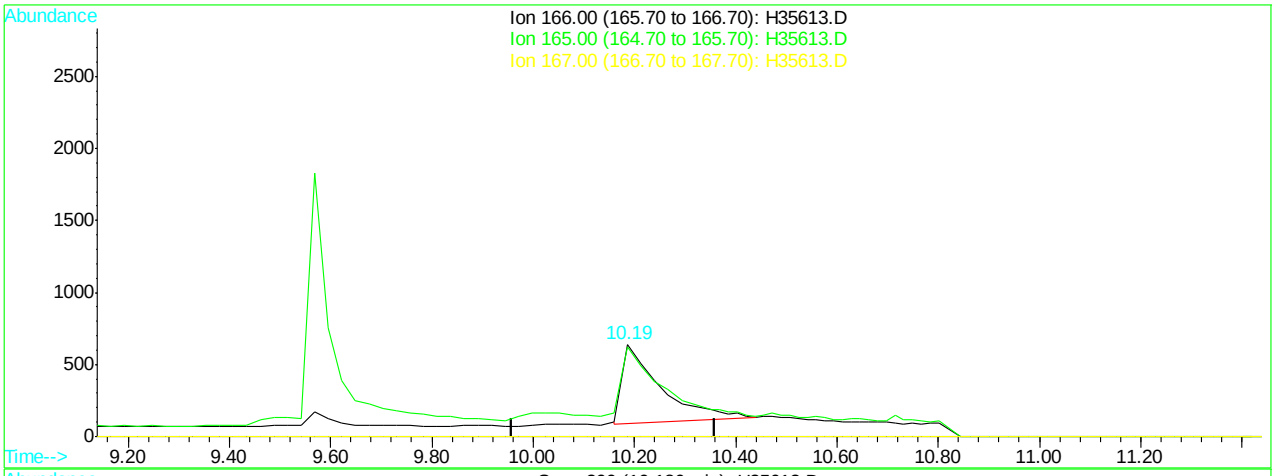
Ion	Exp%	Act%
168.00	100	100
139.00	48.10	42.51
169.00	14.00	16.14
0.00	0.00	0.00

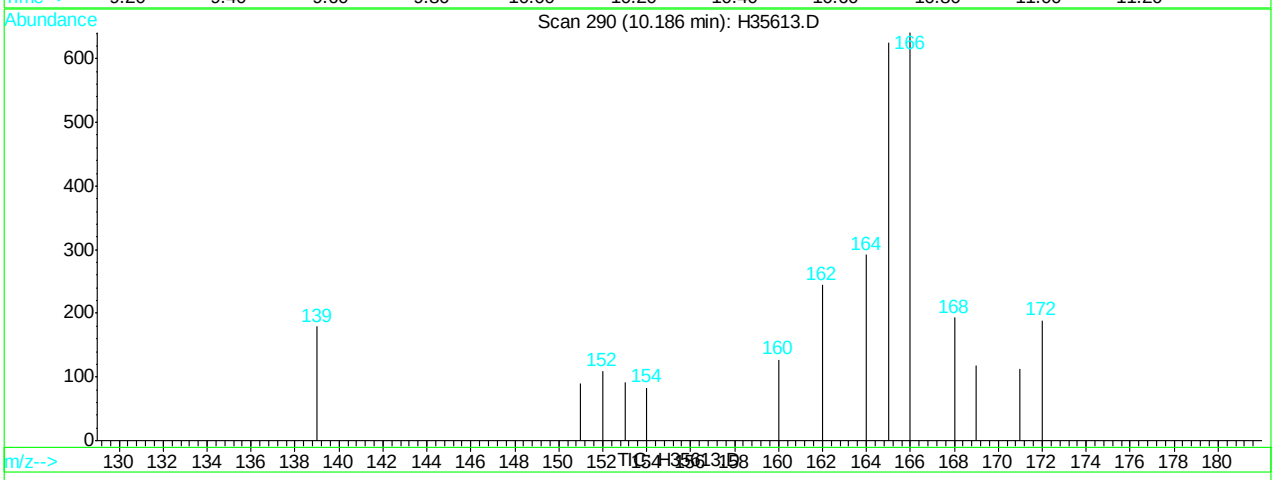
H35613.D H10269SP.M Tue Oct 27 14:48:24 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35613.D Vial: 5
Acq On : 26 Oct 2009 1:36 pm Operator: sheilac
Sample : ic1921-0.2 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:13 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(14) Fluorene (T)

10.19min 0.27ppb m

response 2773

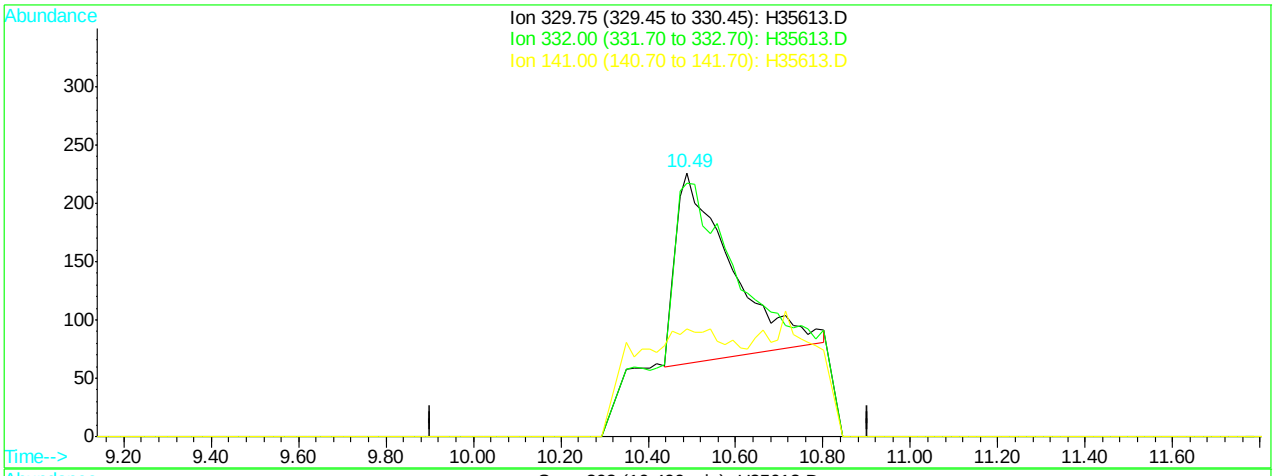
Ion	Exp%	Act%
166.00	100	100
165.00	75.90	97.50
167.00	0.00	0.00
0.00	0.00	0.00

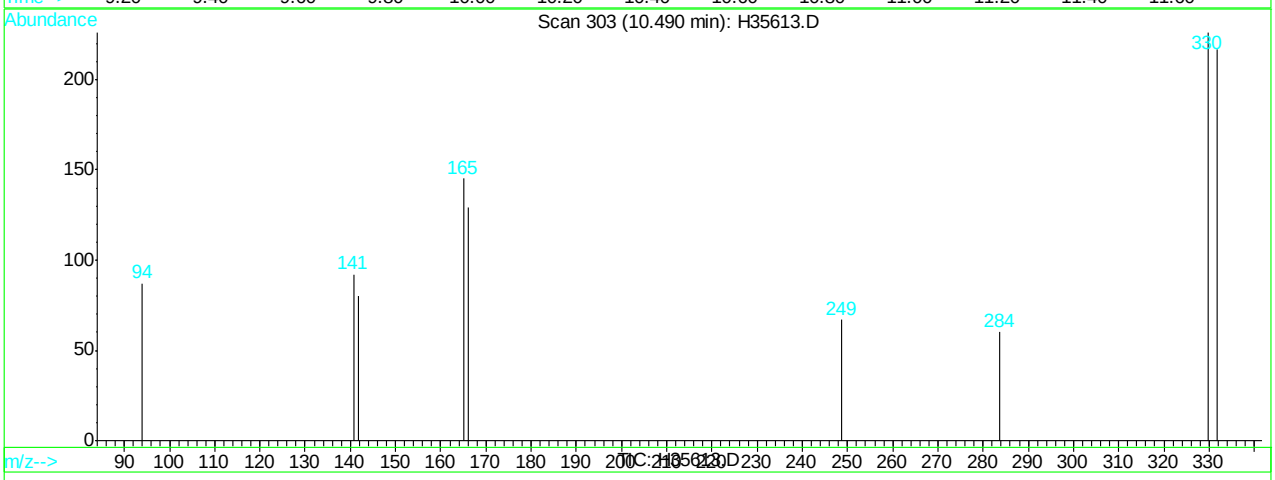
H35613.D H10269SP.M Tue Oct 27 14:48:28 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35613.D Vial: 5
Acq On : 26 Oct 2009 1:36 pm Operator: sheilac
Sample : ic1921-0.2 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:13 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(16) 2,4,6-Tribromophenol (S)

10.49min 1.12ppb m

response 1452

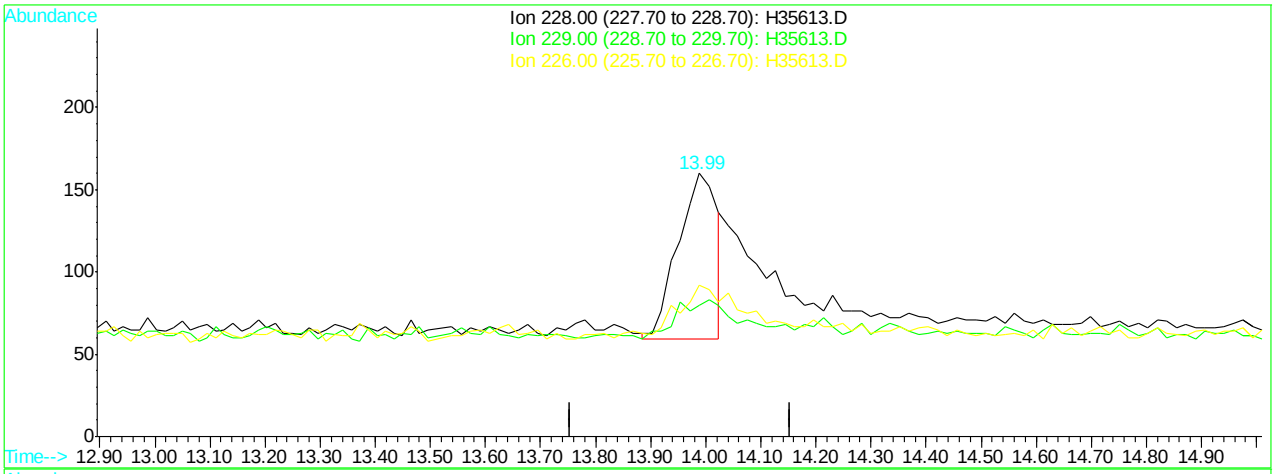
Ion	Exp%	Act%
329.75	100	100
332.00	102.30	226.65#
141.00	16.20	114.81#
0.00	0.00	0.00

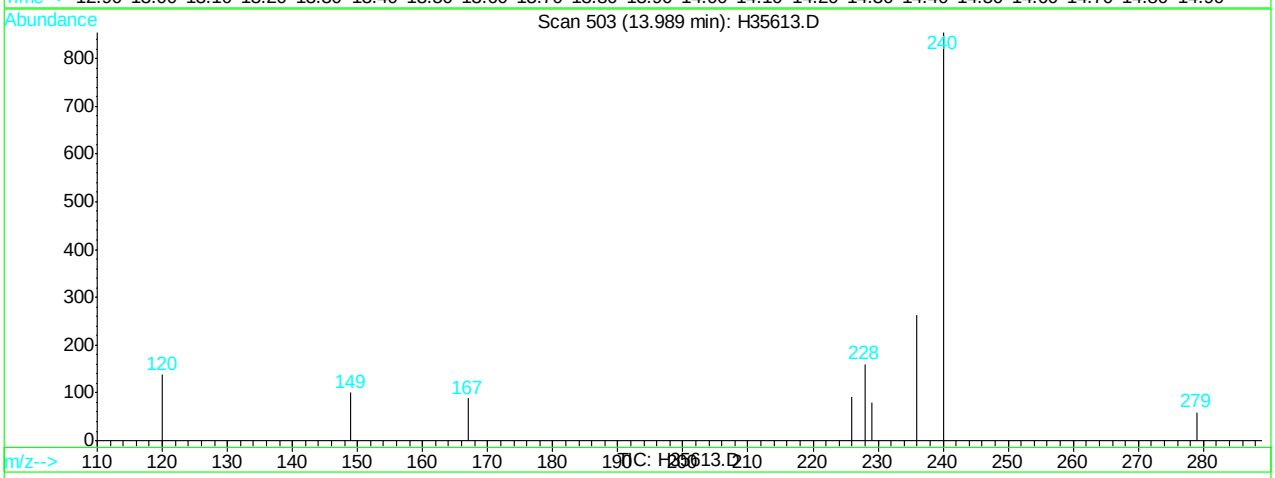
H35613.D H10269SP.M Tue Oct 27 14:48:34 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35613.D Vial: 5
Acq On : 26 Oct 2009 1:36 pm Operator: sheilac
Sample : ic1921-0.2 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:13 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(24) Benzo[a]anthracene (T)

13.99min 0.32ppb m

response 501

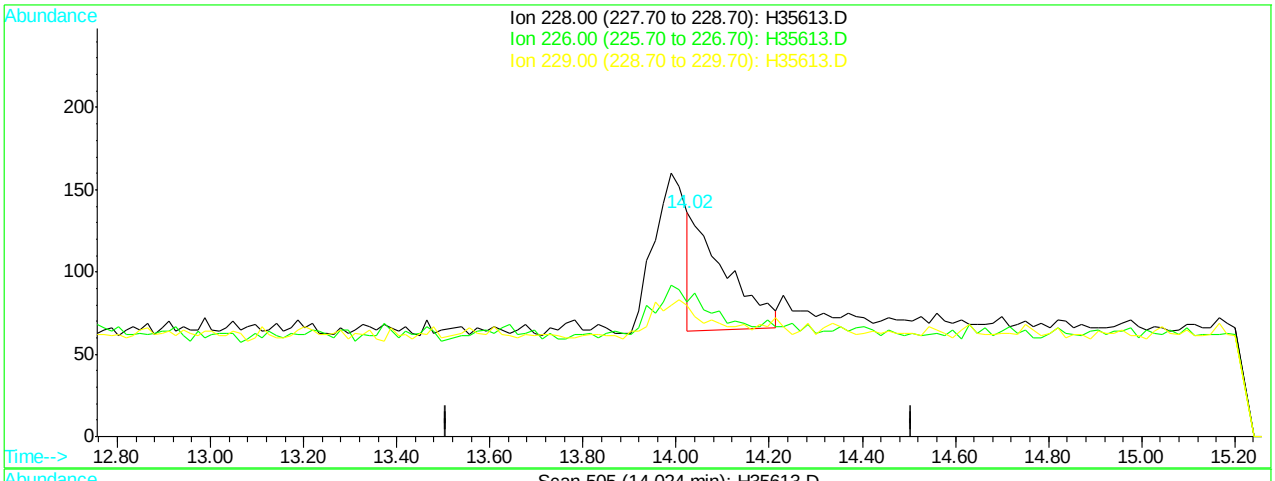
Ion	Exp%	Act%
228.00	100	100
229.00	20.50	50.00#
226.00	30.50	57.50#
0.00	0.00	0.00

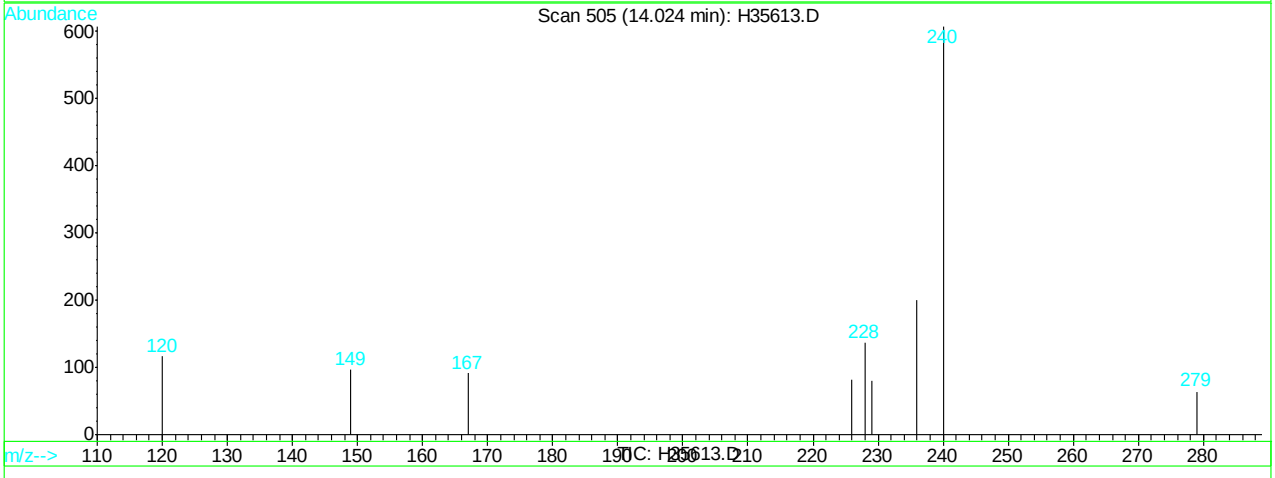
H35613.D H10269SP.M Tue Oct 27 14:48:40 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35613.D Vial: 5
Acq On : 26 Oct 2009 1:36 pm Operator: sheilac
Sample : ic1921-0.2 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:13 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(25) Chrysene (T)

14.02min 0.12ppb m

response 369

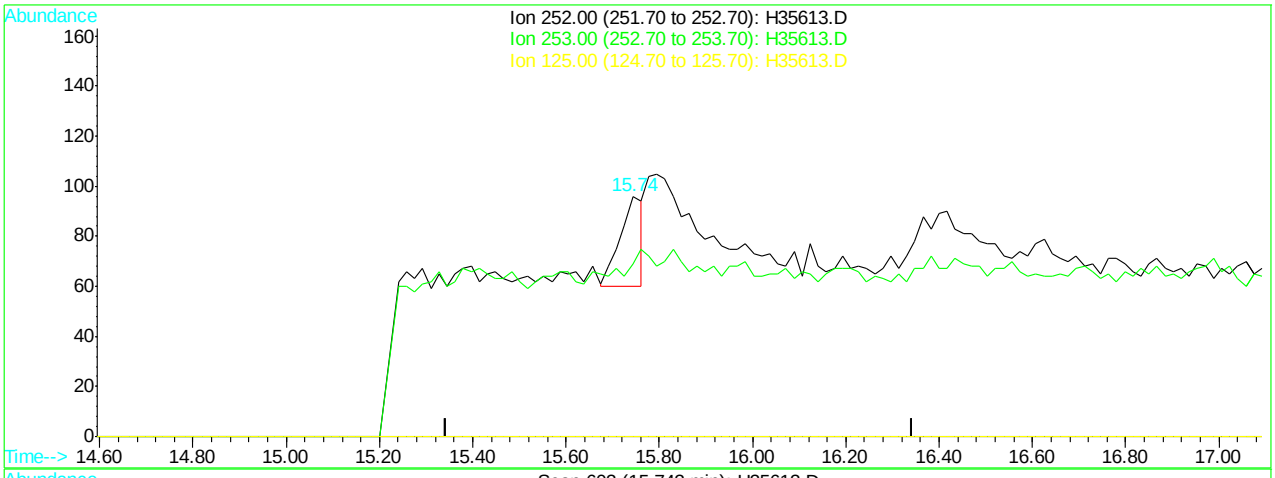
Ion	Exp%	Act%
228.00	100	100
226.00	31.10	60.29#
229.00	21.20	58.82#
0.00	0.00	0.00

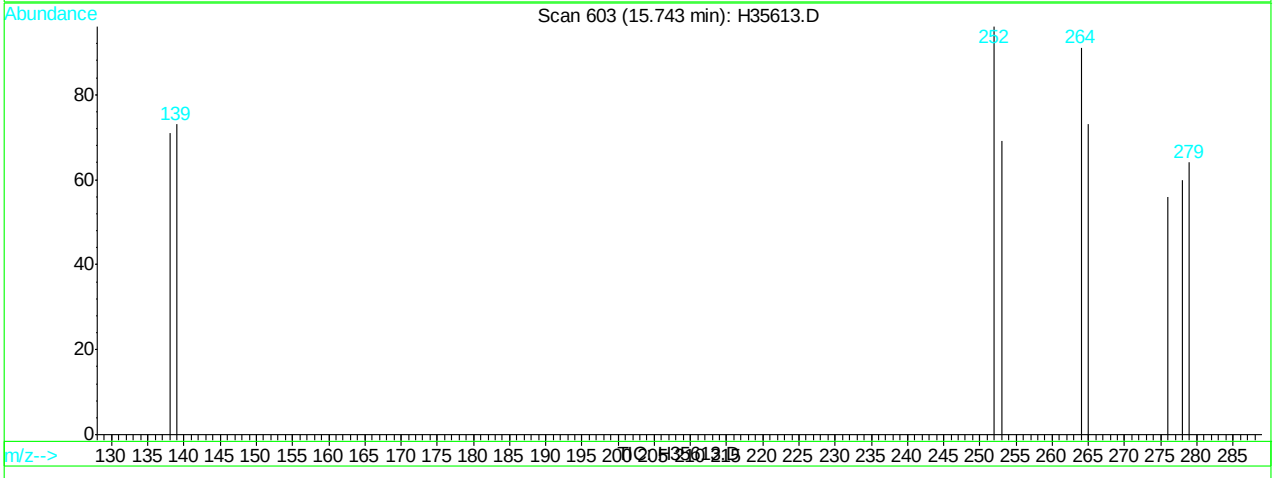
H35613.D H10269SP.M Tue Oct 27 14:48:43 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35613.D Vial: 5
Acq On : 26 Oct 2009 1:36 pm Operator: sheilac
Sample : ic1921-0.2 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:13 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(27) Benzo[b]fluoranthene (T)

15.74min 0.11ppb m

response 121

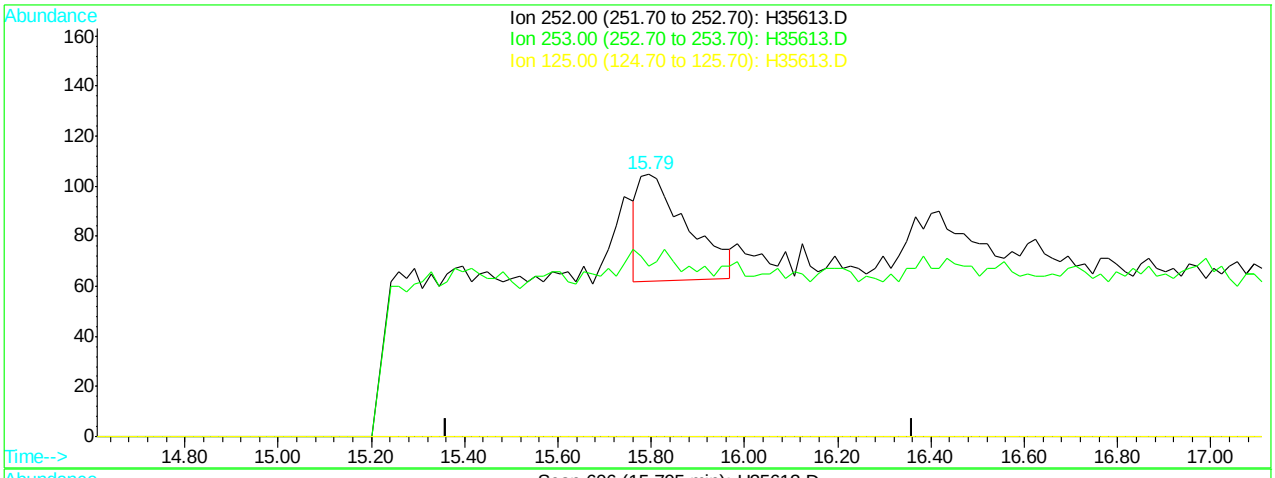
Ion	Exp%	Act%
252.00	100	100
253.00	83.70	71.88
125.00	0.00	0.00
0.00	0.00	0.00

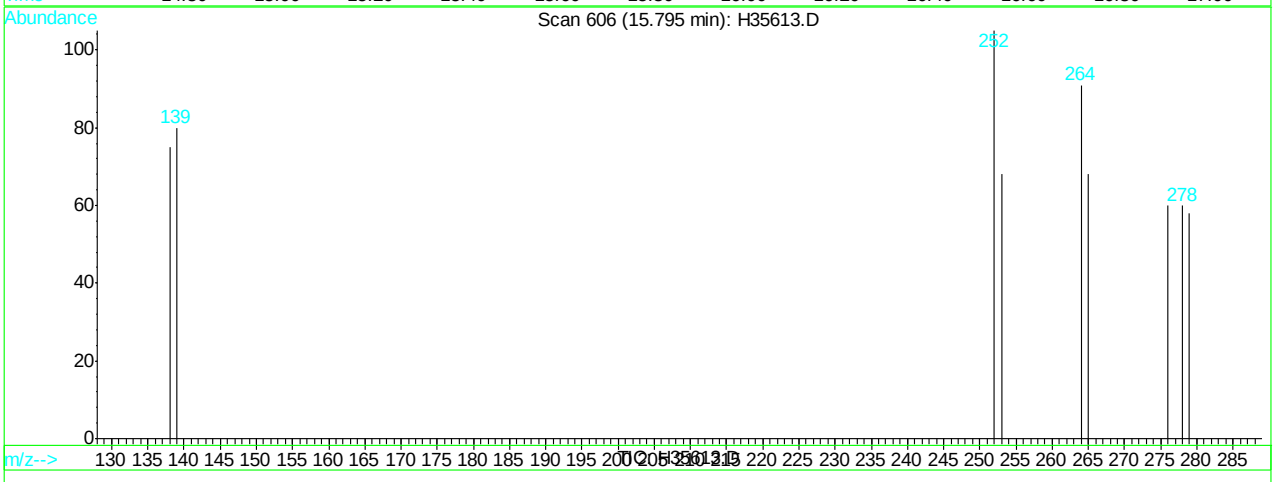
H35613.D H10269SP.M Tue Oct 27 14:48:47 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35613.D Vial: 5
Acq On : 26 Oct 2009 1:36 pm Operator: sheilac
Sample : ic1921-0.2 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:13 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.79min 0.18ppb m

response 320

Ion	Exp%	Act%
252.00	100	100
253.00	74.20	64.76
125.00	0.00	0.00
0.00	0.00	0.00

H35613.D H10269SP.M Tue Oct 27 14:48:51 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez 10/27/09 17:17

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1921\H35614.D Vial: 6
Acq On : 26 Oct 2009 2:02 pm Operator: sheilac
Sample : ic1921-5 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:14 2009 Quant Results File: H10269SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:58:52 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.63	152	87013	4.00	ppb	0.00
4) Naphthalene-d8	7.54	136	77456	4.00	ppb	-0.06
9) Acenaphthene-d10	9.57	164	59768	4.00	ppb	0.00
15) Phenanthrene-d10	11.09	188	74212	4.00	ppb	0.00
21) Chrysene-d12	13.94	240	9448	4.00	ppb	-0.04
26) Perylene-d12	16.42	264	3790	4.00	ppb	-0.03

System Monitoring Compounds

5) Nitrobenzene-d5	6.57	82	74888	29.30	ppb	-0.03
Spiked Amount 5.000	Range 17 - 131		Recovery = 586.00%#			
10) 2-Fluorobiphenyl	8.87	172	632678	19.16	ppb	0.00
Spiked Amount 5.000	Range 15 - 137		Recovery = 383.20%#			
16) 2,4,6-Tribromophenol	10.40	330	165675	77.41	ppb	0.00
Spiked Amount 10.000	Range 10 - 123		Recovery = 774.10%#			
23) Terphenyl-d14	12.66	244	80468	34.37	ppb	-0.06
Spiked Amount 5.000	Range 10 - 160		Recovery = 687.40%#			

Target Compounds

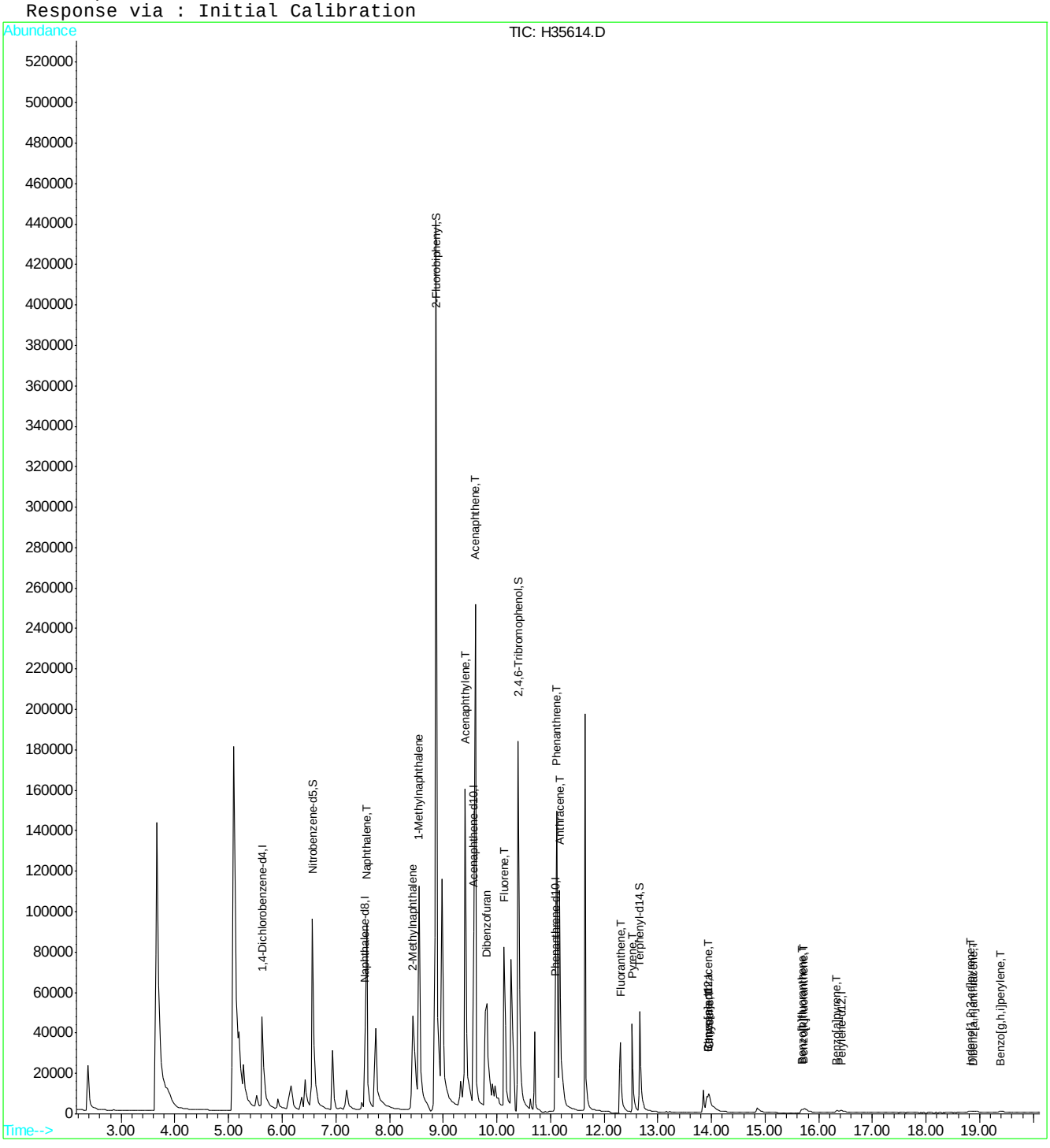
							Qvalue
6) Naphthalene	7.57	128	137590	5.31	ppb		98
7) 2-Methylnaphthalene	8.44	142	100132m	6.23	ppb		
8) 1-Methylnaphthalene	8.55	142	169210	5.87	ppb	#	94
11) Acenaphthylene	9.41	152	217651	5.89	ppb		100
12) Acenaphthene	9.60	153	166257	4.99	ppb		99
13) Dibenzofuran	9.81	168	119999	3.87	ppb		100
14) Fluorene	10.13	166	74851	4.73	ppb	#	2
18) Phenanthrene	11.11	178	160251	4.94	ppb		96
19) Anthracene	11.17	178	192895	5.13	ppb		98
20) Fluoranthene	12.31	202	79789	5.29	ppb	#	90
22) Pyrene	12.52	202	86947	5.60	ppb		99
24) Benzo[a]anthracene	13.94	228	10282m	4.75	ppb		
25) Chrysene	13.95	228	25463m	6.01	ppb		
27) Benzo[b]fluoranthene	15.69	252	3018m	2.93	ppb		
28) Benzo[k]fluoranthene	15.73	252	11254m	6.47	ppb		
29) Benzo[a]pyrene	16.33	252	6228	5.41	ppb	#	31
30) Indeno[1,2,3-cd]pyrene	18.82	276	5300	7.92	ppb	#	20
31) Dibenz[a,h]anthracene	18.87	278	3820	7.94	ppb	#	14
32) Benzo[g,h,i]perylene	19.39	276	4270	6.40	ppb	#	14

(#) = qualifier out of range (m) = manual integration
H35614.D H10269SP.M Tue Oct 27 14:49:01 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1921\H35614.D Vial: 6
Acq On : 26 Oct 2009 2:02 pm Operator: sheilac
Sample : ic1921-5 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:14 2009 Quant Results File: H10269SP.RES

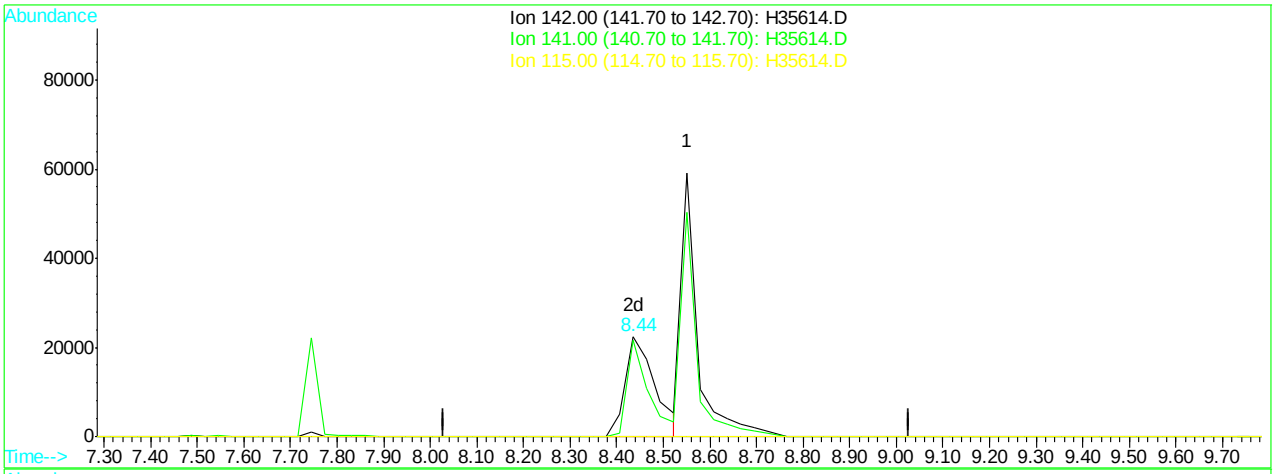
Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Initial Calibration

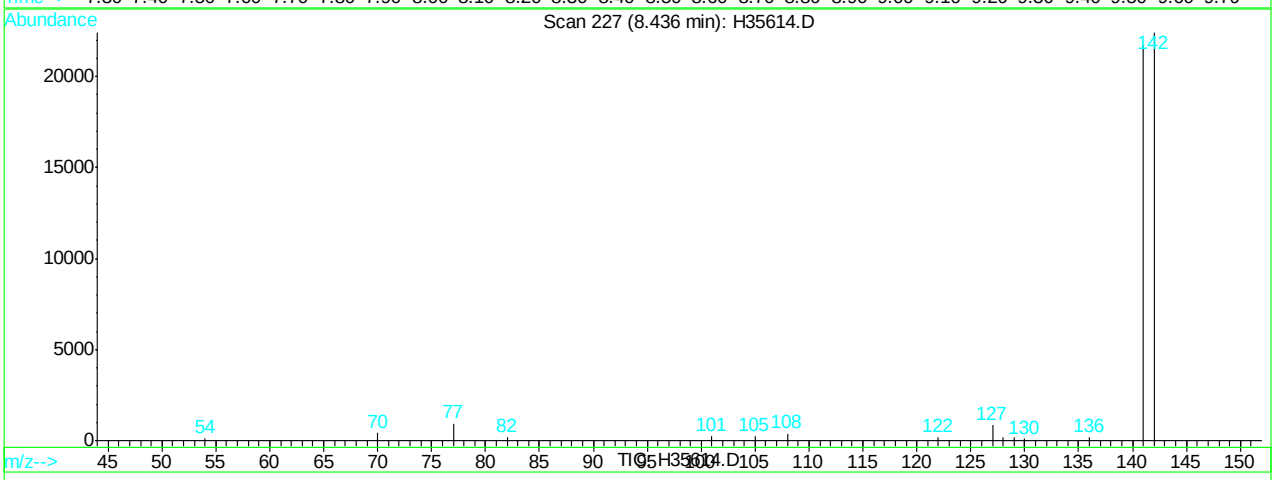


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35614.D Vial: 6
Acq On : 26 Oct 2009 2:02 pm Operator: sheilac
Sample : ic1921-5 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:14 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(7) 2-Methylnaphthalene

8.44min 6.23ppb m

response 100132

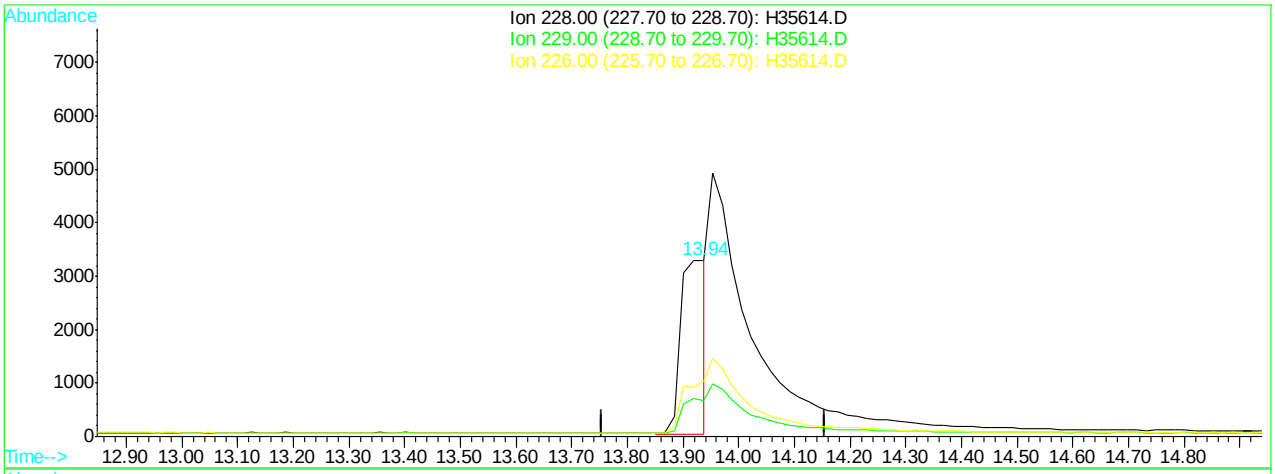
Ion	Exp%	Act%
142.00	100	100
141.00	148.50	136.90
115.00	0.00	0.00
0.00	0.00	0.00

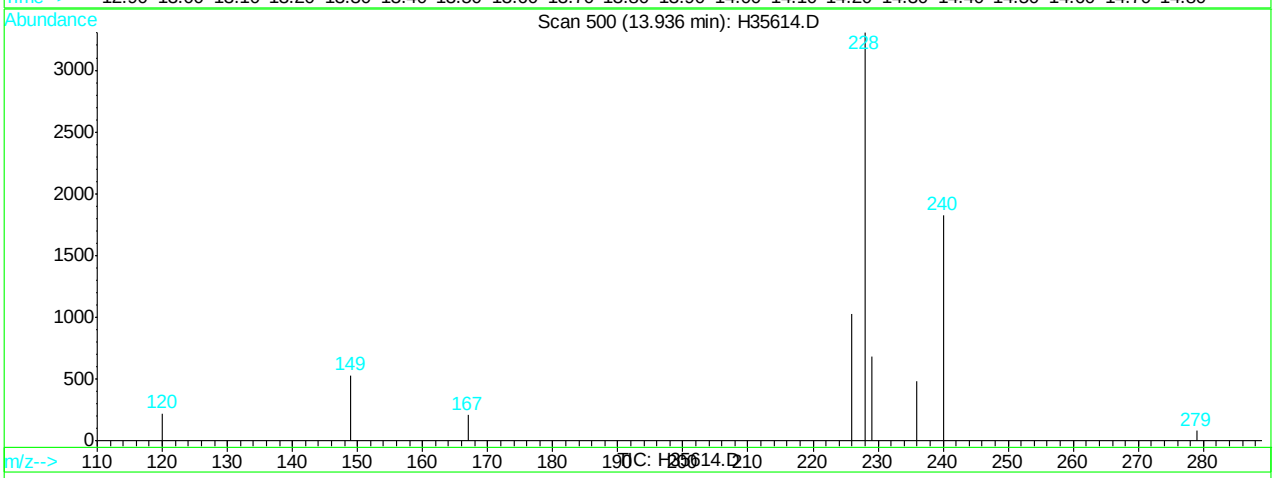
H35614.D H10269SP.M Tue Oct 27 14:49:23 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35614.D Vial: 6
Acq On : 26 Oct 2009 2:02 pm Operator: sheilac
Sample : ic1921-5 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:14 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(24) Benzo[a]anthracene (T)

13.94min 4.75ppb m

response 10282

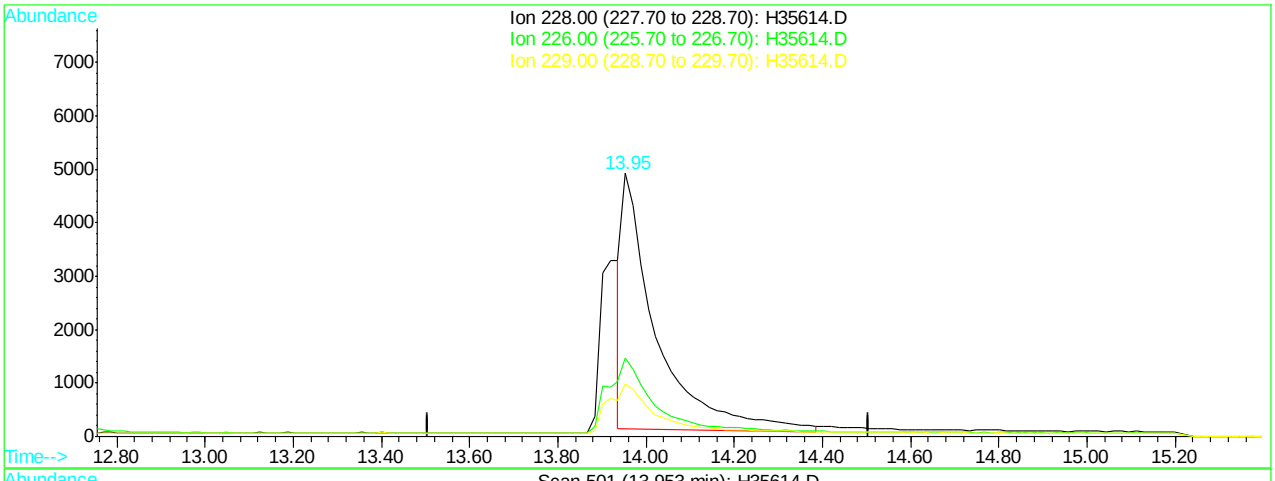
Ion	Exp%	Act%
228.00	100	100
229.00	20.50	20.55
226.00	30.50	31.05
0.00	0.00	0.00

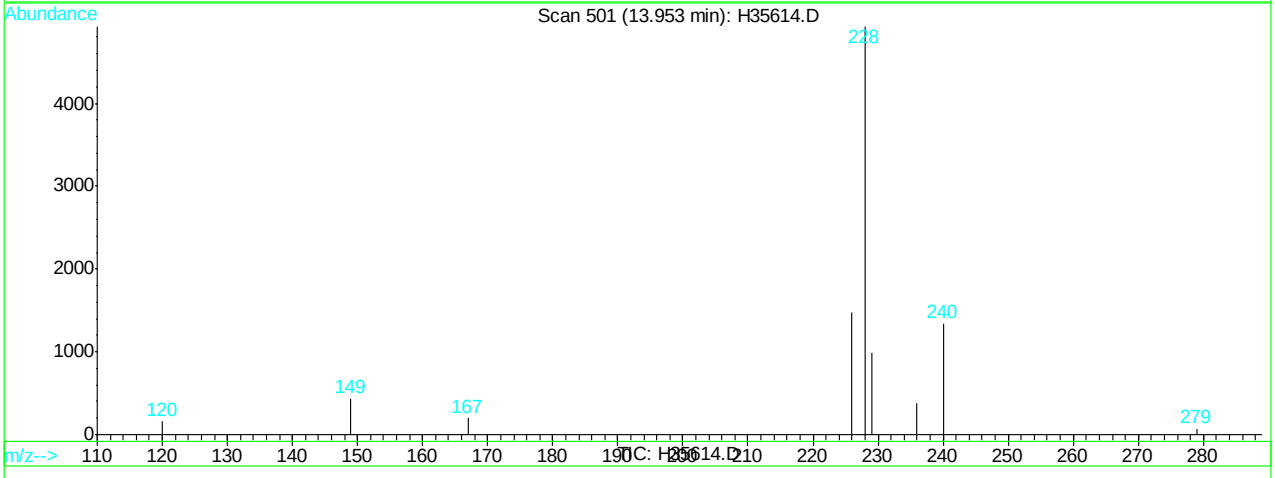
H35614.D H10269SP.M Tue Oct 27 14:49:29 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35614.D Vial: 6
Acq On : 26 Oct 2009 2:02 pm Operator: sheilac
Sample : ic1921-5 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:14 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(25) Chrysene (T)

13.95min 6.01ppb m

response 25463

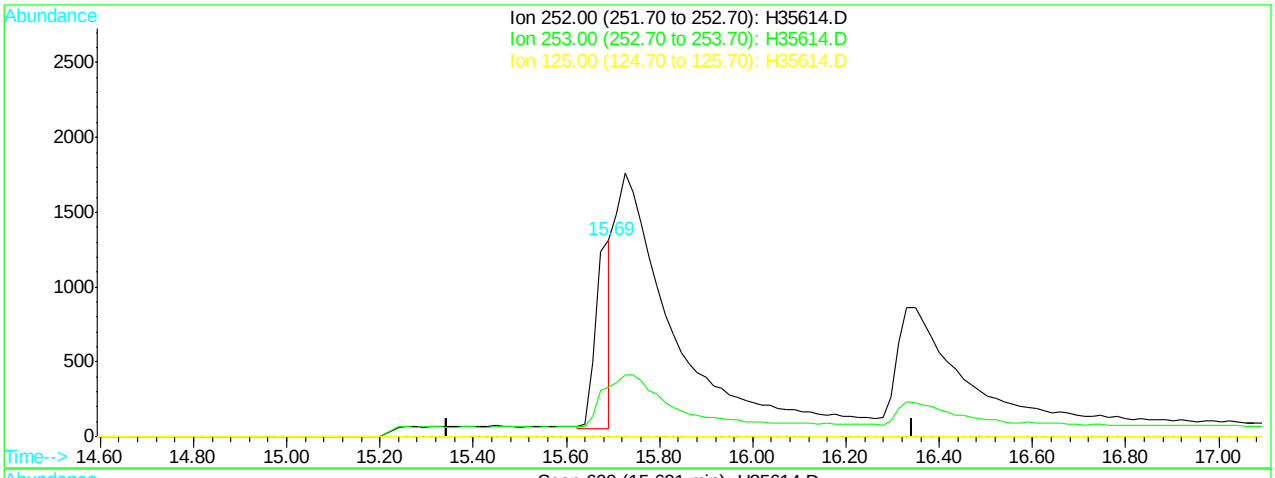
Ion	Exp%	Act%
228.00	100	100
226.00	31.10	29.89
229.00	21.20	19.95
0.00	0.00	0.00

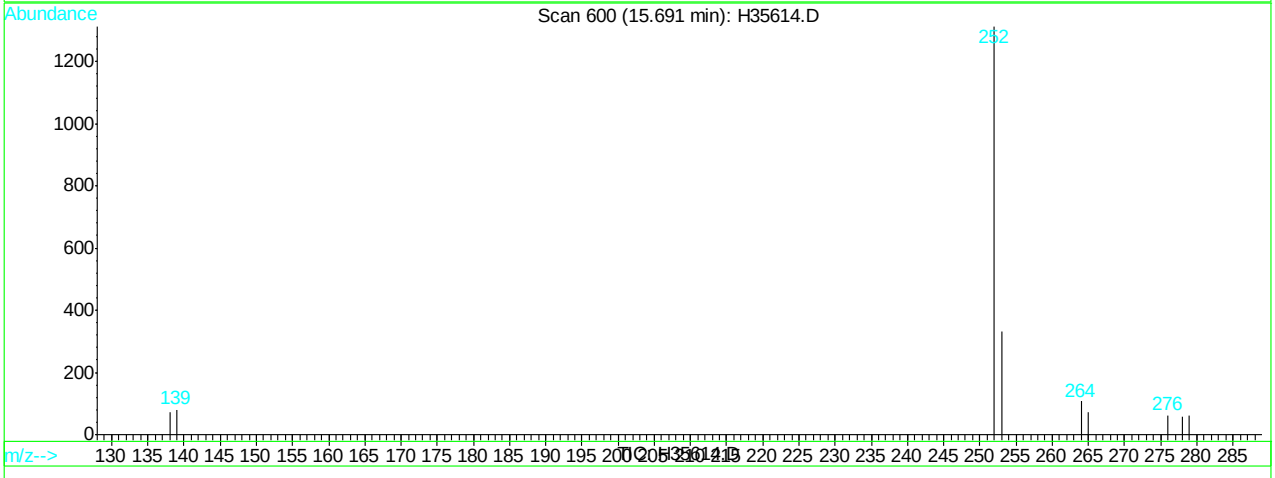
H35614.D H10269SP.M Tue Oct 27 14:49:33 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35614.D Vial: 6
Acq On : 26 Oct 2009 2:02 pm Operator: sheilac
Sample : ic1921-5 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:14 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(27) Benzo[b]fluoranthene (T)

15.69min 2.93ppb m

response 3018

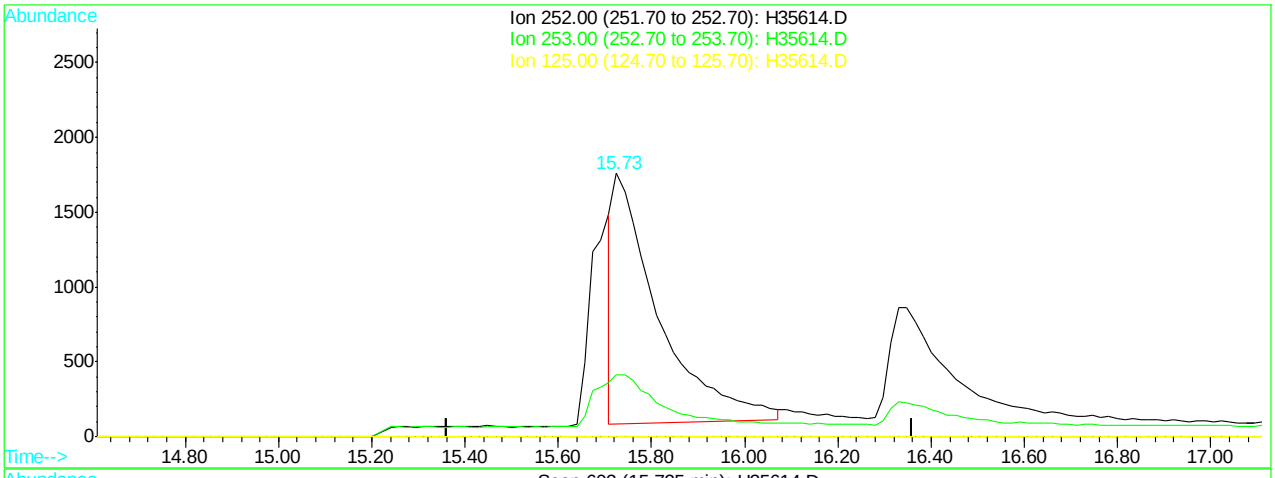
Ion	Exp%	Act%
252.00	100	100
253.00	83.70	25.30#
125.00	0.00	0.00
0.00	0.00	0.00

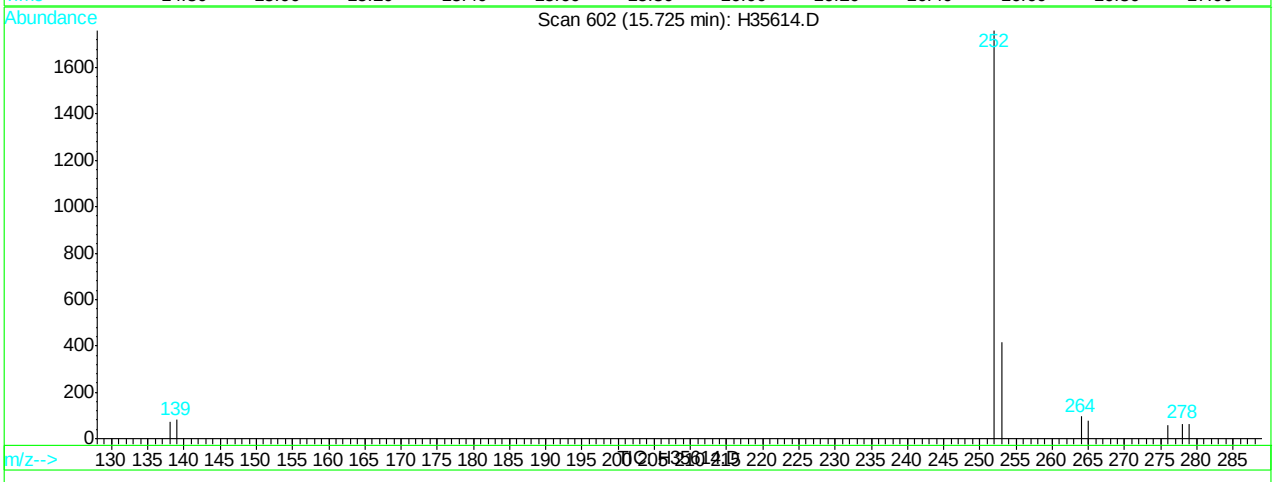
H35614.D H10269SP.M Tue Oct 27 14:49:36 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35614.D Vial: 6
Acq On : 26 Oct 2009 2:02 pm Operator: sheilac
Sample : ic1921-5 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:14 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.73min 6.47ppb m

response 11254

Ion	Exp%	Act%
252.00	100	100
253.00	74.20	23.64#
125.00	0.00	0.00
0.00	0.00	0.00

H35614.D H10269SP.M Tue Oct 27 14:49:39 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez 10/27/09 17:17

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1921\H35615.D Vial: 7
Acq On : 26 Oct 2009 2:31 pm Operator: sheilac
Sample : ic1921-10 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:03 2009 Quant Results File: H10269SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:58:52 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.63	152	95392	4.00 ppb	0.00
4) Naphthalene-d8	7.54	136	89207	4.00 ppb	-0.06
9) Acenaphthene-d10	9.57	164	75940	4.00 ppb	0.00
15) Phenanthrene-d10	11.09	188	99994	4.00 ppb	0.00
21) Chrysene-d12	13.90	240	14221	4.00 ppb	-0.07
26) Perylene-d12	16.40	264	5433	4.00 ppb	-0.05

System Monitoring Compounds					
5) Nitrobenzene-d5	6.57	82	233839	79.43 ppb	-0.03
Spiked Amount 5.000	Range 17 - 131		Recovery	= 1588.60%#	
10) 2-Fluorobiphenyl	8.87	172	2645305	63.05 ppb	0.00
Spiked Amount 5.000	Range 15 - 137		Recovery	= 1261.00%#	
16) 2,4,6-Tribromophenol	10.40	330	411995	142.87 ppb	0.00
Spiked Amount 10.000	Range 10 - 123		Recovery	= 1428.70%#	
23) Terphenyl-d14	12.66	244	279519	79.32 ppb	-0.06
Spiked Amount 5.000	Range 10 - 160		Recovery	= 1586.40%#	

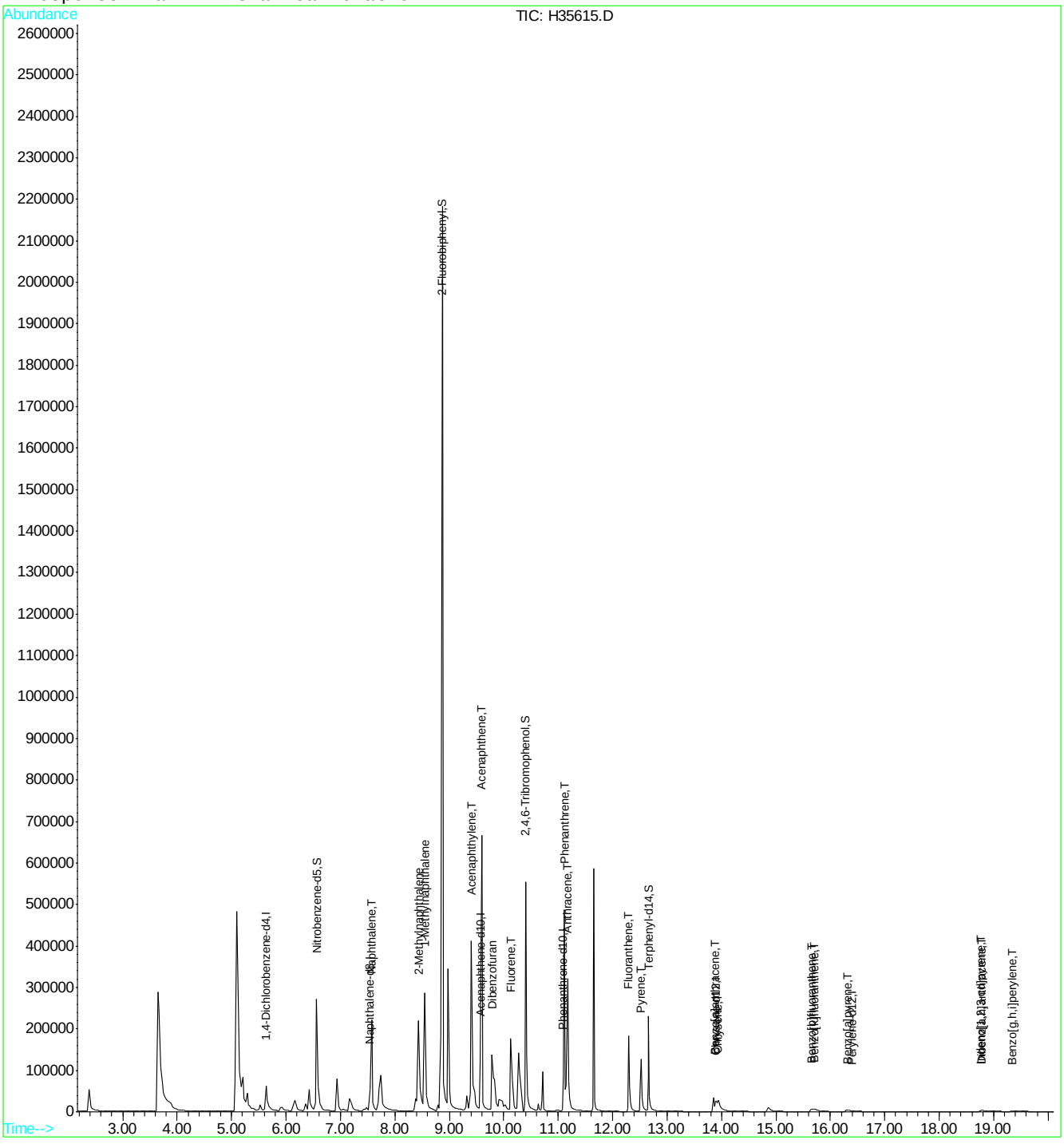
Target Compounds						Qvalue
6) Naphthalene	7.57	128	299017	10.01 ppb		93
7) 2-Methylnaphthalene	8.44	142	280455m	15.15 ppb		
8) 1-Methylnaphthalene	8.55	142	390725	11.77 ppb	#	94
11) Acenaphthylene	9.41	152	521846	11.12 ppb		100
12) Acenaphthene	9.60	153	435486	10.28 ppb		89
13) Dibenzofuran	9.78	168	226232	5.75 ppb		96
14) Fluorene	10.13	166	140208	6.98 ppb	#	2
18) Phenanthrene	11.11	178	484185	11.09 ppb		95
19) Anthracene	11.17	178	392125	7.74 ppb		91
20) Fluoranthene	12.29	202	264249	13.00 ppb	#	91
22) Pyrene	12.53	202	246296m	10.54 ppb		
24) Benzo[a]anthracene	13.89	228	37708m	11.56 ppb		
25) Chrysene	13.94	228	75083m	11.77 ppb		
27) Benzo[b]fluoranthene	15.66	252	12240m	8.28 ppb		
28) Benzo[k]fluoranthene	15.71	252	39440m	15.81 ppb		
29) Benzo[a]pyrene	16.31	252	20395	12.35 ppb	#	32
30) Indeno[1,2,3-cd]pyrene	18.77	276	17379	18.12 ppb	#	23
31) Dibenz[a,h]anthracene	18.79	278	12790	18.53 ppb	#	16
32) Benzo[g,h,i]perylene	19.34	276	13023	13.62 ppb	#	17

(#) = qualifier out of range (m) = manual integration
H35615.D H10269SP.M Tue Oct 27 14:49:47 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1921\H35615.D Vial: 7
Acq On : 26 Oct 2009 2:31 pm Operator: sheilac
Sample : ic1921-10 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:03 2009 Quant Results File: H10269SP.RES

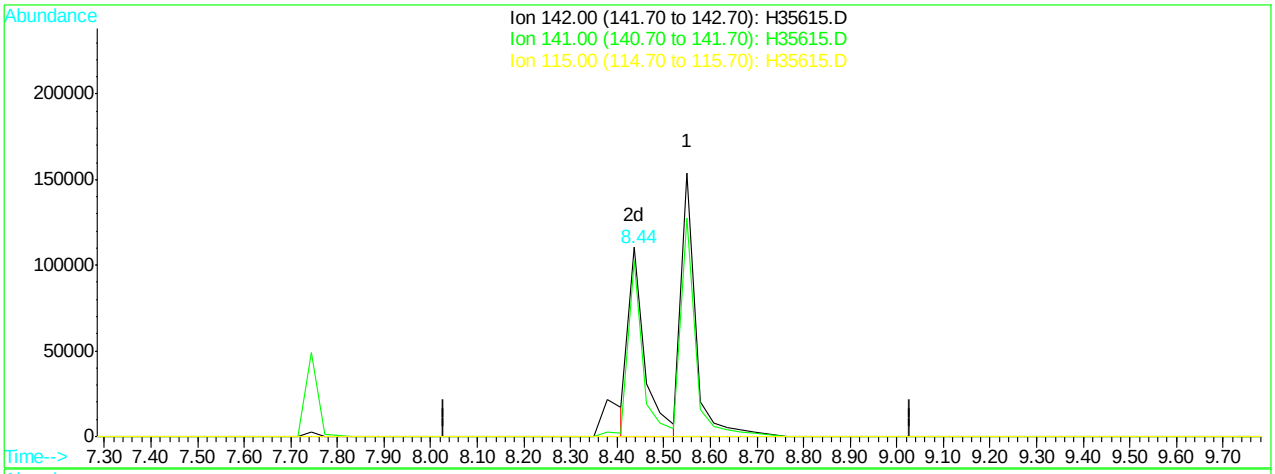
Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Initial Calibration

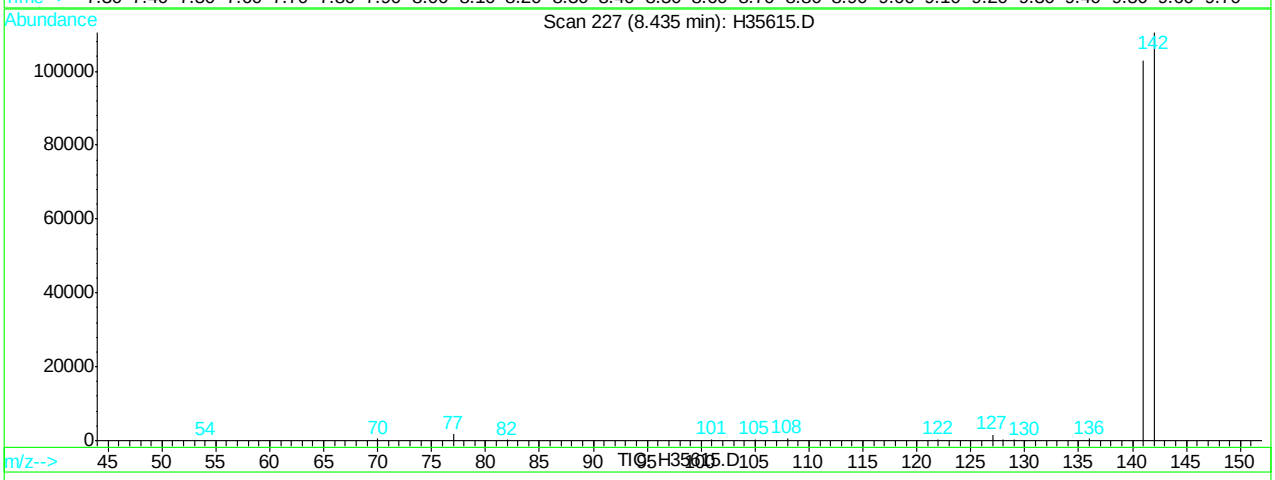


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35615.D Vial: 7
Acq On : 26 Oct 2009 2:31 pm Operator: sheilac
Sample : ic1921-10 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:03 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(7) 2-Methylnaphthalene

8.44min 15.15ppb m

response 280455

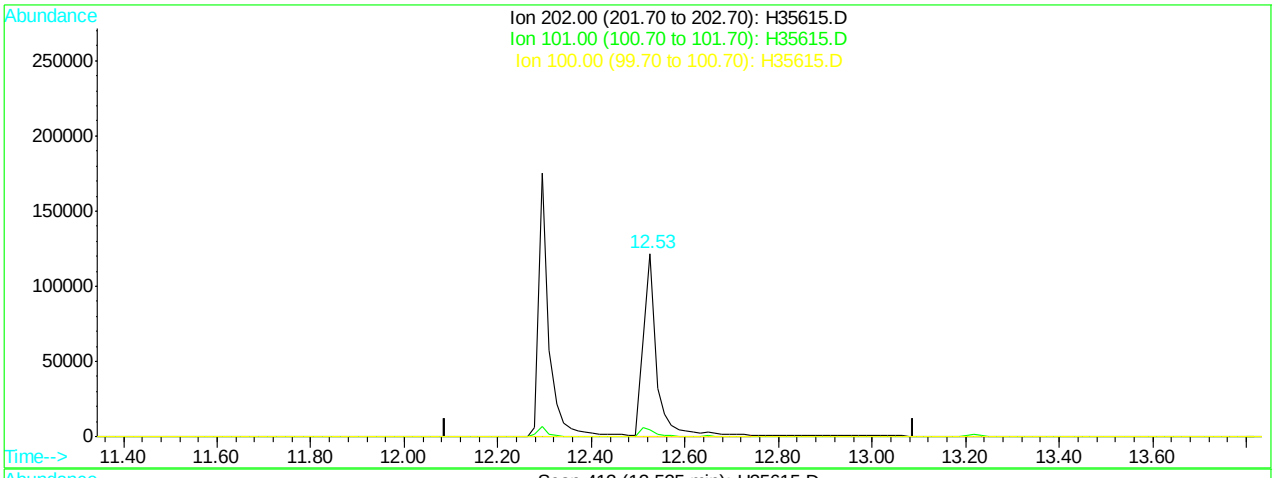
Ion	Exp%	Act%
142.00	100	100
141.00	148.50	112.48
115.00	0.00	0.00
0.00	0.00	0.00

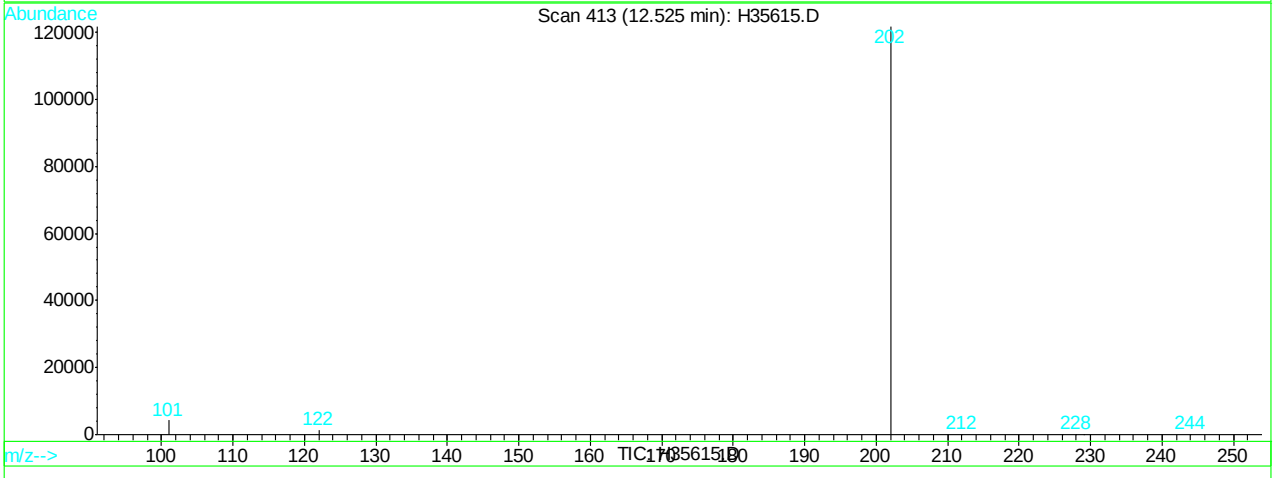
H35615.D H10269SP.M Tue Oct 27 14:50:16 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35615.D Vial: 7
Acq On : 26 Oct 2009 2:31 pm Operator: sheilac
Sample : ic1921-10 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:03 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(22) Pyrene (T)

12.53min 10.54ppb m

response 246296

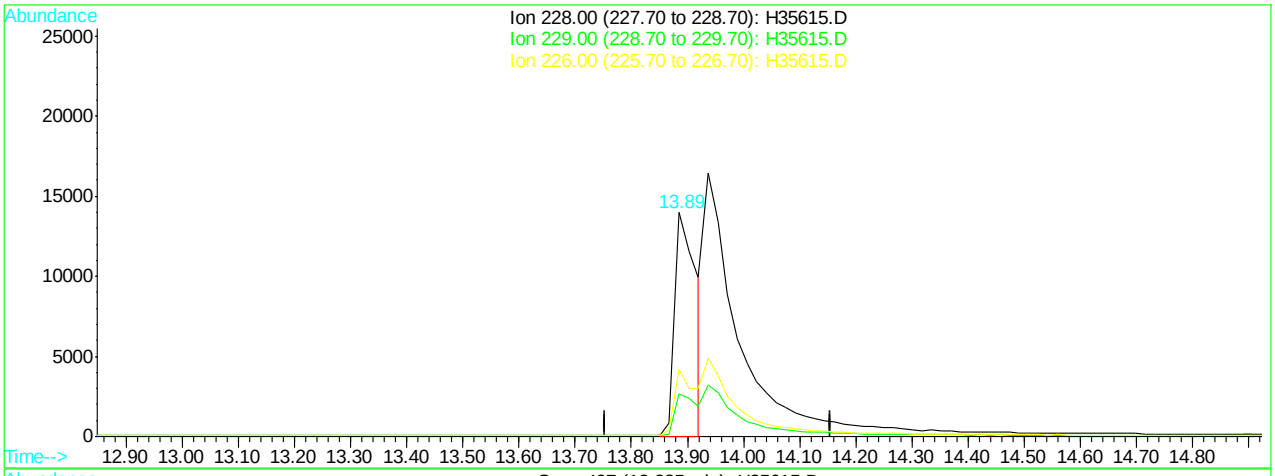
Ion	Exp%	Act%
202.00	100	100
101.00	5.00	3.49#
100.00	0.00	0.00
0.00	0.00	0.00

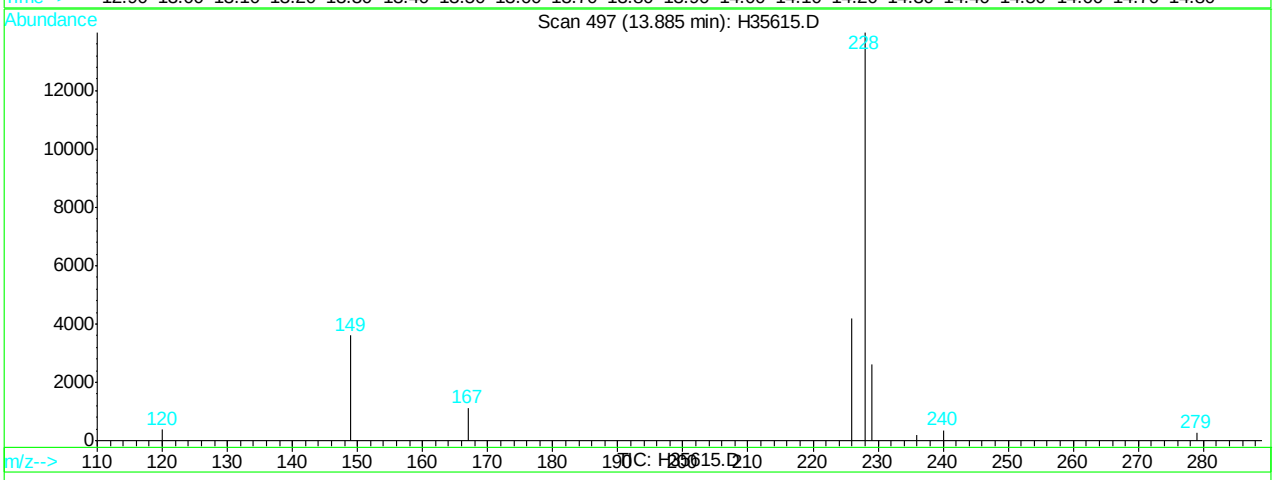
H35615.D H10269SP.M Tue Oct 27 14:50:21 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35615.D Vial: 7
Acq On : 26 Oct 2009 2:31 pm Operator: sheilac
Sample : ic1921-10 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:03 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(24) Benzo[a]anthracene (T)

13.89min 11.56ppb m

response 37708

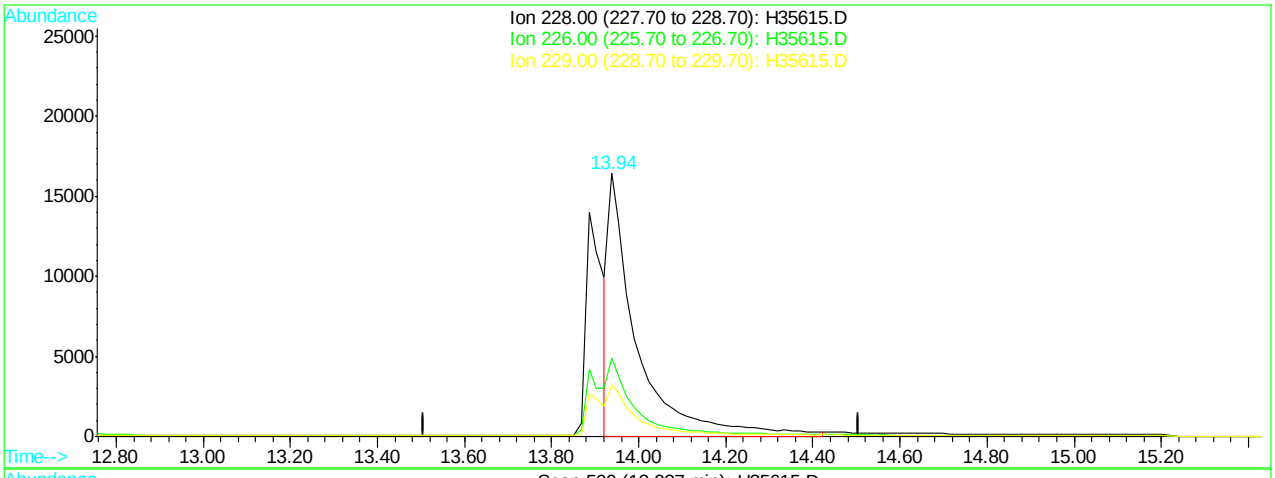
Ion	Exp%	Act%
228.00	100	100
229.00	20.50	18.83
226.00	30.50	30.04
0.00	0.00	0.00

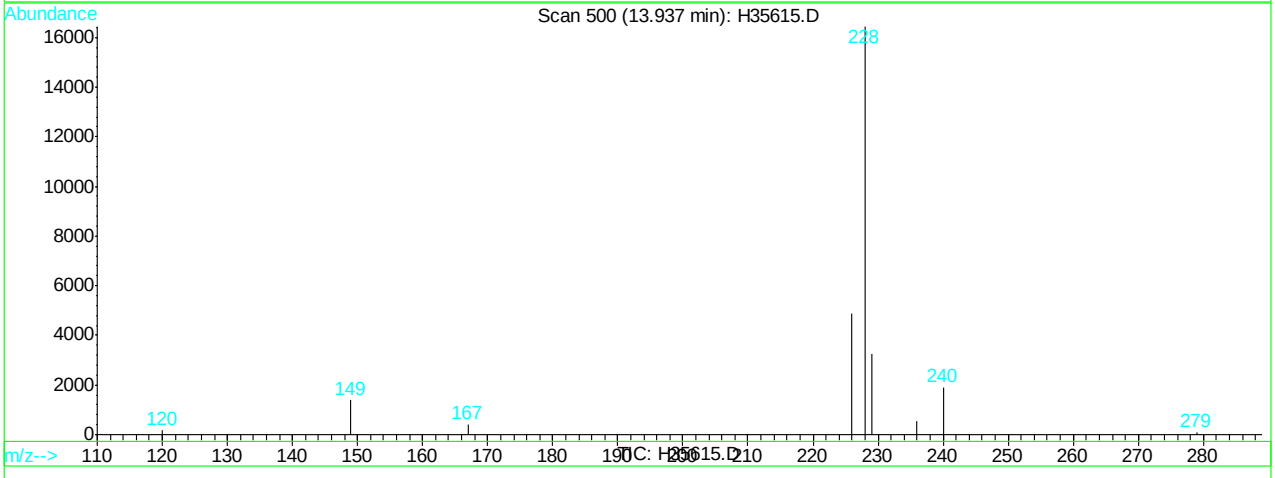
H35615.D H10269SP.M Tue Oct 27 14:50:28 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35615.D Vial: 7
Acq On : 26 Oct 2009 2:31 pm Operator: sheilac
Sample : ic1921-10 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:03 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(25) Chrysene (T)

13.94min 11.77ppb m

response 75083

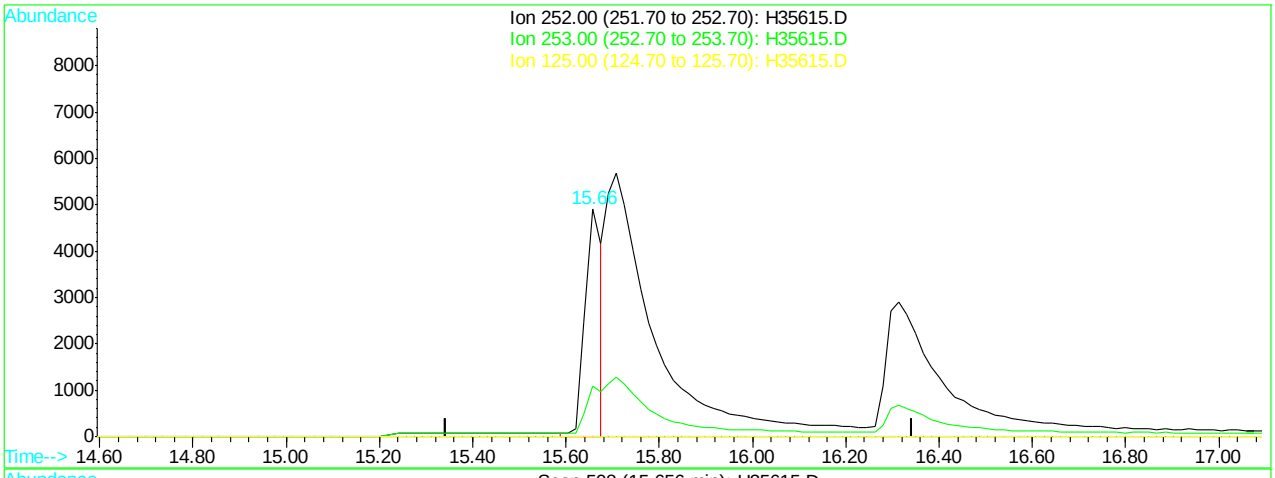
Ion	Exp%	Act%
228.00	100	100
226.00	31.10	29.75
229.00	21.20	19.68
0.00	0.00	0.00

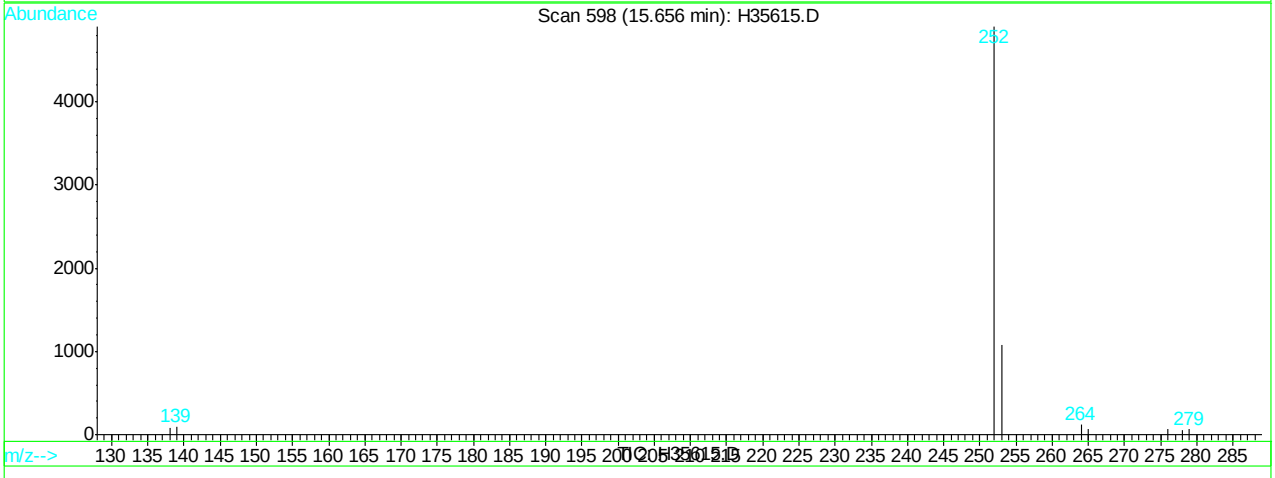
H35615.D H10269SP.M Tue Oct 27 14:50:31 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35615.D Vial: 7
Acq On : 26 Oct 2009 2:31 pm Operator: sheilac
Sample : ic1921-10 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:03 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(27) Benzo[b]fluoranthene (T)

15.66min 8.28ppb m

response 12240

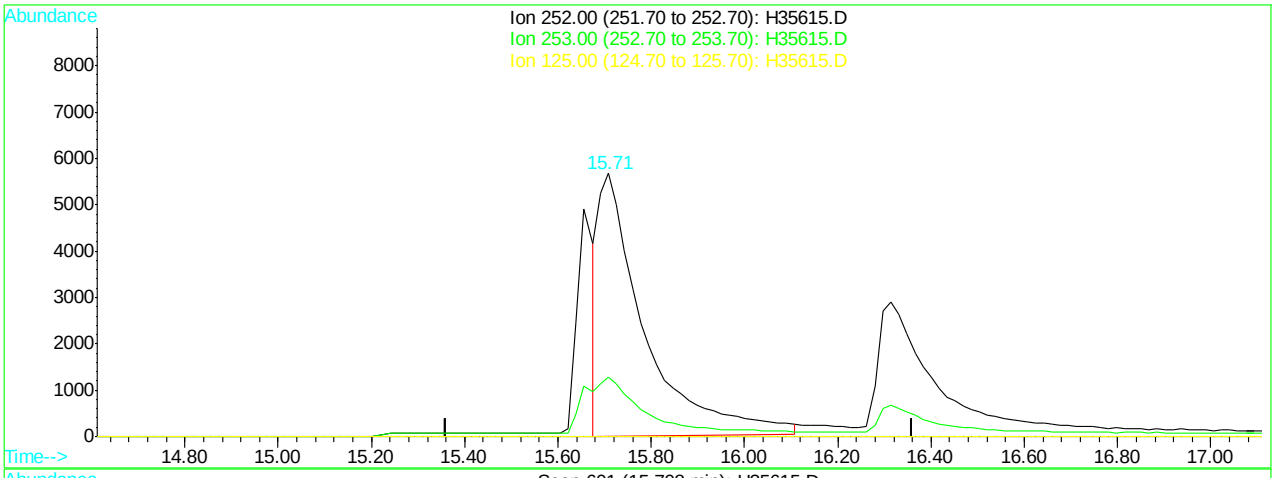
Ion	Exp%	Act%
252.00	100	100
253.00	83.70	21.97#
125.00	0.00	0.00
0.00	0.00	0.00

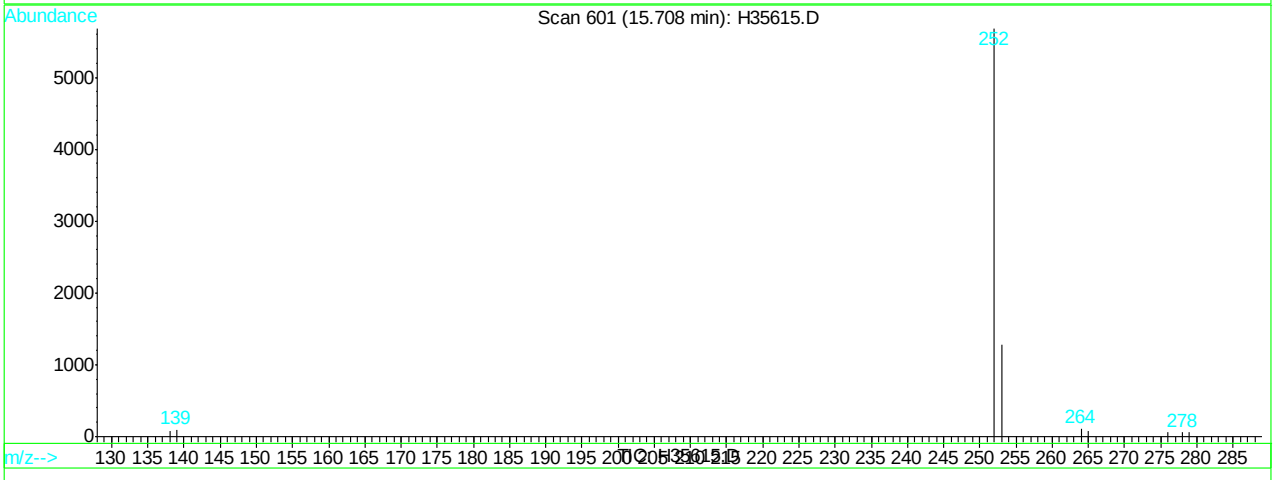
H35615.D H10269SP.M Tue Oct 27 14:50:36 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35615.D Vial: 7
Acq On : 26 Oct 2009 2:31 pm Operator: sheilac
Sample : ic1921-10 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:03 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.71min 15.81ppb m

response 39440

Ion	Exp%	Act%
252.00	100	100
253.00	74.20	22.56#
125.00	0.00	0.00
0.00	0.00	0.00

H35615.D H10269SP.M Tue Oct 27 14:50:40 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/27/09 17:17

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1921\H35616.D Vial: 8
Acq On : 26 Oct 2009 3:01 pm Operator: sheilac
Sample : icv1921-2.5 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:28 2009 Quant Results File: H10269SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 16:26:56 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.63	152	120752	4.00	ppb		0.00
4) Naphthalene-d8	7.54	136	115423	4.00	ppb		0.00
9) Acenaphthene-d10	9.57	164	81227	4.00	ppb		0.00
15) Phenanthrene-d10	11.09	188	76874	4.00	ppb		0.00
21) Chrysene-d12	13.94	240	9301	4.00	ppb		0.00
26) Perylene-d12	16.44	264	4684	4.00	ppb		0.02

System Monitoring Compounds

5) Nitrobenzene-d5	0.00	82	0	0.00	ppb		
Spiked Amount 5.000	Range 17 - 131		Recovery	=	0.00%#		
10) 2-Fluorobiphenyl	0.00	172	0d	0.00	ppb		
Spiked Amount 5.000	Range 15 - 137		Recovery	=	0.00%#		
16) 2,4,6-Tribromophenol	0.00	330	0d	0.00	ppb		
Spiked Amount 10.000	Range 10 - 123		Recovery	=	0.00%#		
23) Terphenyl-d14	0.00	244	0	0.00	ppb		
Spiked Amount 5.000	Range 10 - 160		Recovery	=	0.00%#		

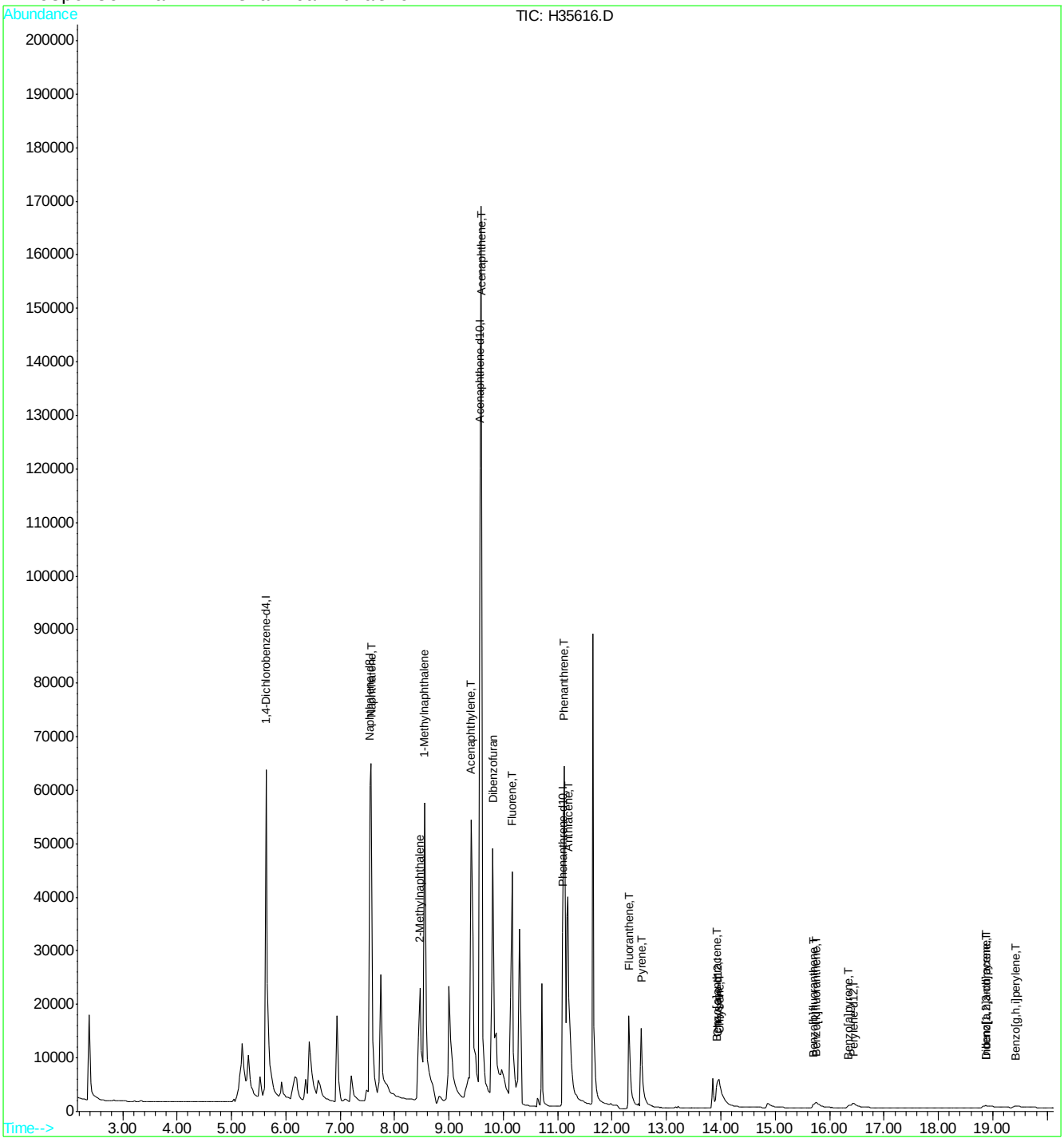
Target Compounds							Qvalue
6) Naphthalene	7.57	128	90100	2.09	ppb		99
7) 2-Methylnaphthalene	8.47	142	47648m	2.04	ppb		
8) 1-Methylnaphthalene	8.55	142	93417m	2.02	ppb		
11) Acenaphthylene	9.41	152	95295	1.92	ppb		98
12) Acenaphthene	9.59	153	112442	2.52	ppb		94
13) Dibenzofuran	9.81	168	84181	2.17	ppb		99
14) Fluorene	10.16	166	51544m	2.02	ppb		
18) Phenanthrene	11.11	178	75259	2.43	ppb		97
19) Anthracene	11.19	178	104727	2.66	ppb		99
20) Fluoranthene	12.31	202	42034	2.78	ppb		100
22) Pyrene	12.54	202	36553	2.31	ppb	#	91
24) Benzo[a]anthracene	13.92	228	3622m	1.99	ppb		
25) Chrysene	13.97	228	14195m	2.83	ppb		
27) Benzo[b]fluoranthene	15.71	252	1535m	2.35	ppb		
28) Benzo[k]fluoranthene	15.76	252	7176m	2.73	ppb		
29) Benzo[a]pyrene	16.35	252	3357	2.31	ppb		97
30) Indeno[1,2,3-cd]pyrene	18.87	276	2947	2.47	ppb		95
31) Dibenz[a,h]anthracene	18.87	278	2122	2.48	ppb	#	95
32) Benzo[g,h,i]perylene	19.43	276	2589	2.58	ppb		91

(#) = qualifier out of range (m) = manual integration
H35616.D H10269SP.M Tue Oct 27 14:50:49 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1921\H35616.D Vial: 8
Acq On : 26 Oct 2009 3:01 pm Operator: sheilac
Sample : icv1921-2.5 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:28 2009 Quant Results File: H10269SP.RES

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Initial Calibration

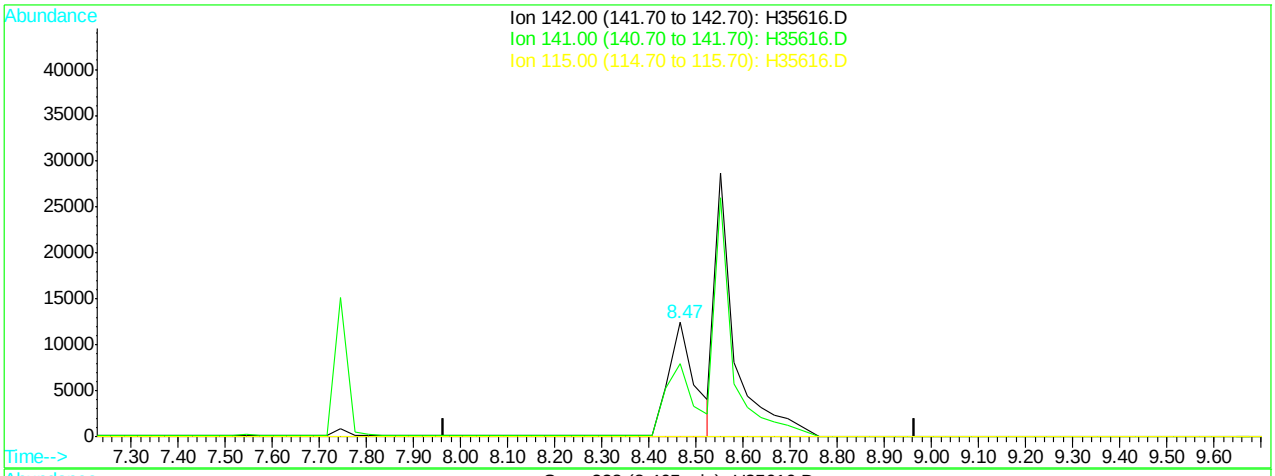


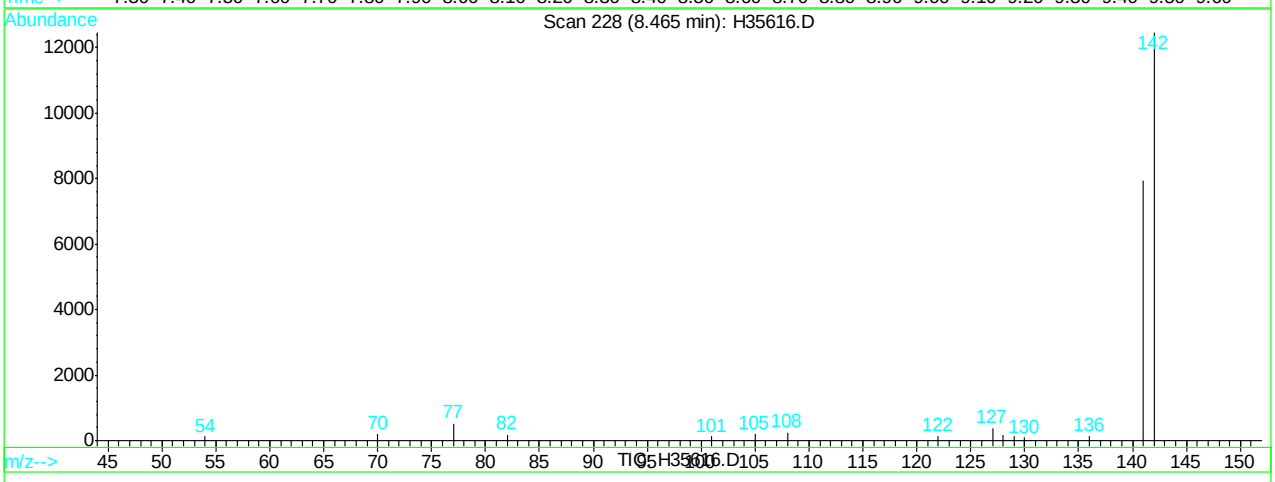
ACCUTEST Laboratories T39513

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35616.D Vial: 8
Acq On : 26 Oct 2009 3:01 pm Operator: sheilac
Sample : icv1921-2.5 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:28 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(7) 2-Methylnaphthalene

8.47min 2.04ppb m

response 47648

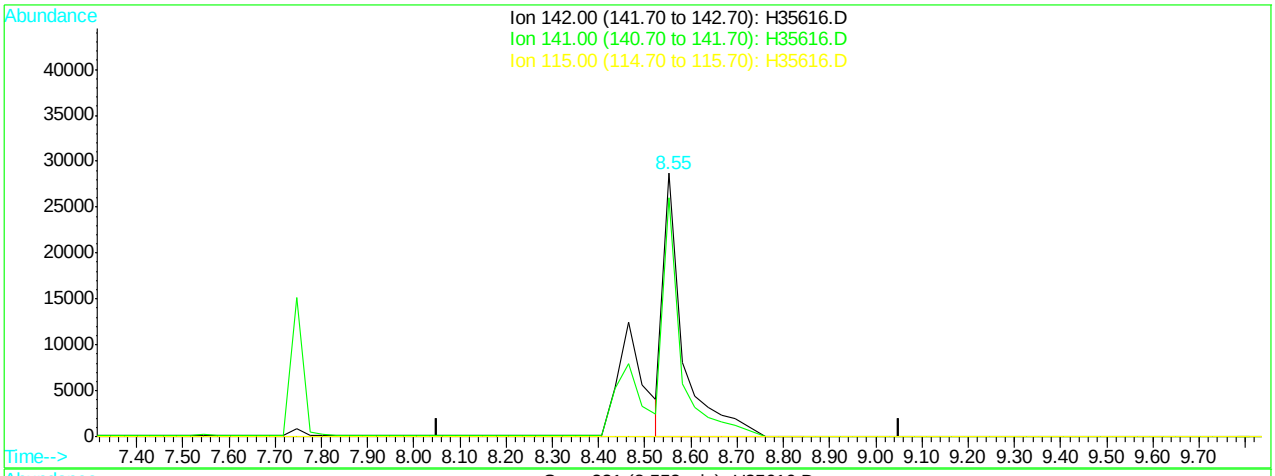
Ion	Exp%	Act%
142.00	100	100
141.00	241.00	232.43
115.00	0.00	0.00
0.00	0.00	0.00

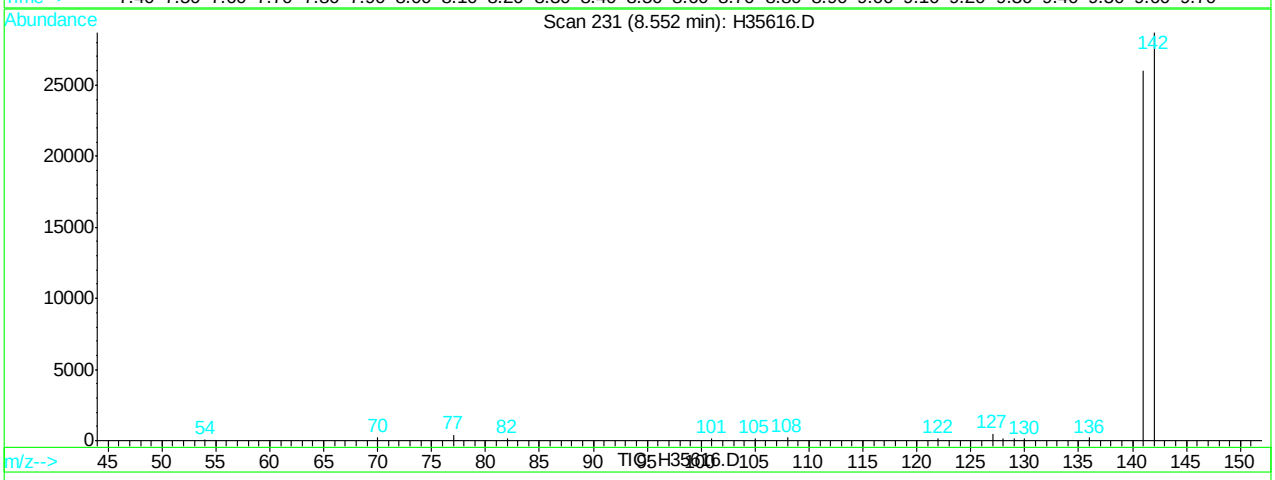
H35616.D H10269SP.M Tue Oct 27 14:51:19 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35616.D Vial: 8
Acq On : 26 Oct 2009 3:01 pm Operator: sheilac
Sample : icv1921-2.5 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:28 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(8) 1-Methylnaphthalene

8.55min 2.02ppb m

response 93417

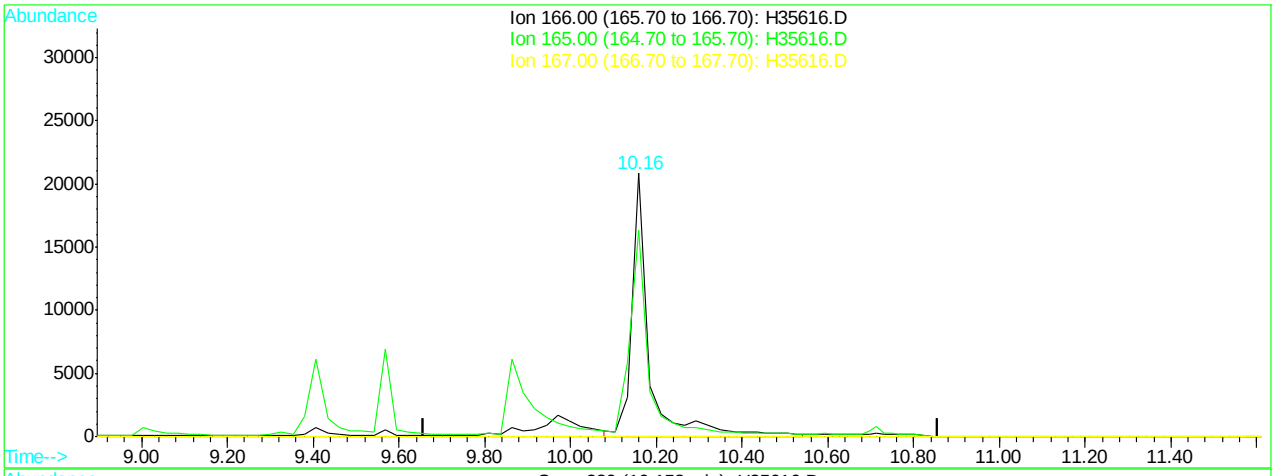
Ion	Exp%	Act%
142.00	100	100
141.00	121.80	118.55
115.00	0.00	0.00
0.00	0.00	0.00

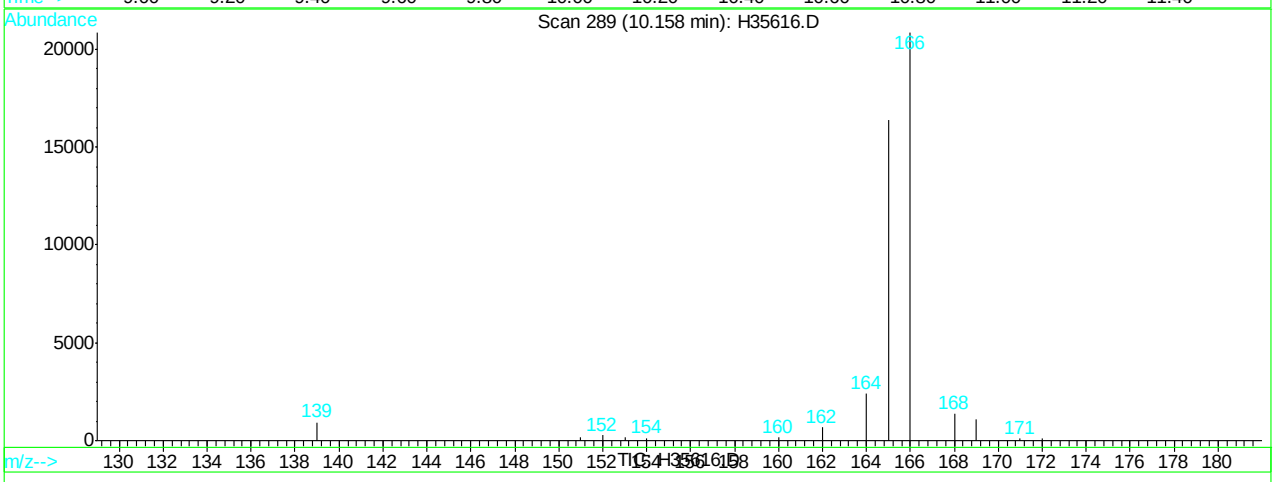
H35616.D H10269SP.M Tue Oct 27 14:51:22 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35616.D Vial: 8
Acq On : 26 Oct 2009 3:01 pm Operator: sheilac
Sample : icv1921-2.5 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:28 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(14) Fluorene (T)

10.16min 2.02ppb m

response 51544

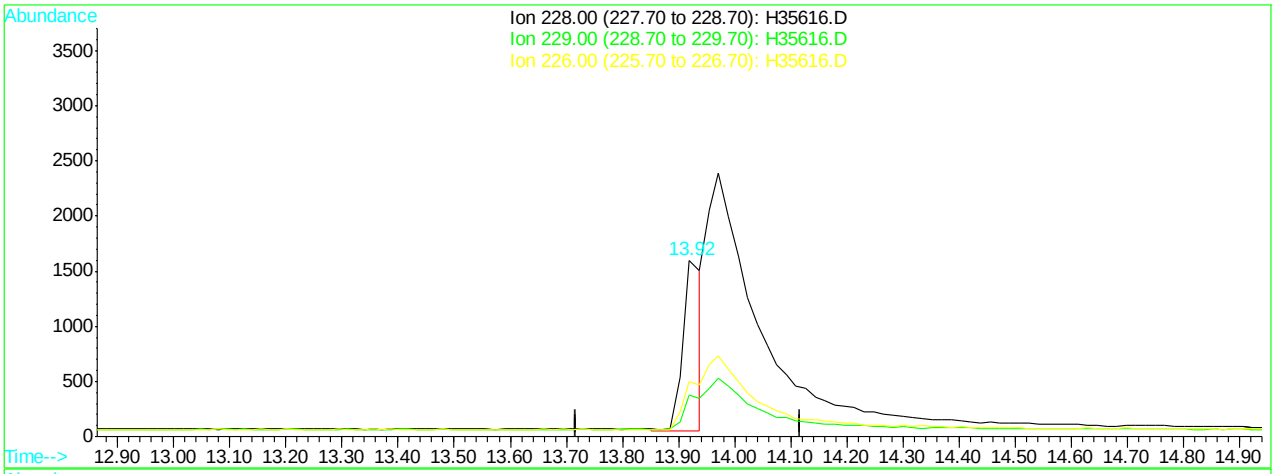
Ion	Exp%	Act%
166.00	100	100
165.00	78.10	78.51
167.00	0.00	0.00
0.00	0.00	0.00

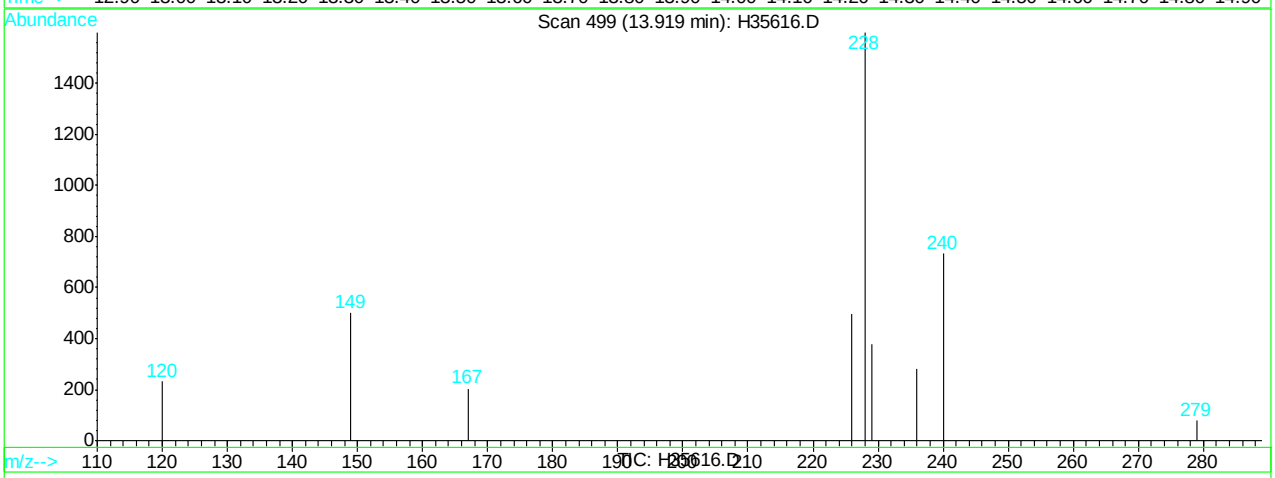
H35616.D H10269SP.M Tue Oct 27 14:51:26 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35616.D Vial: 8
Acq On : 26 Oct 2009 3:01 pm Operator: sheilac
Sample : icv1921-2.5 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:28 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(24) Benzo[a]anthracene (T)

13.92min 1.99ppb m

response 3622

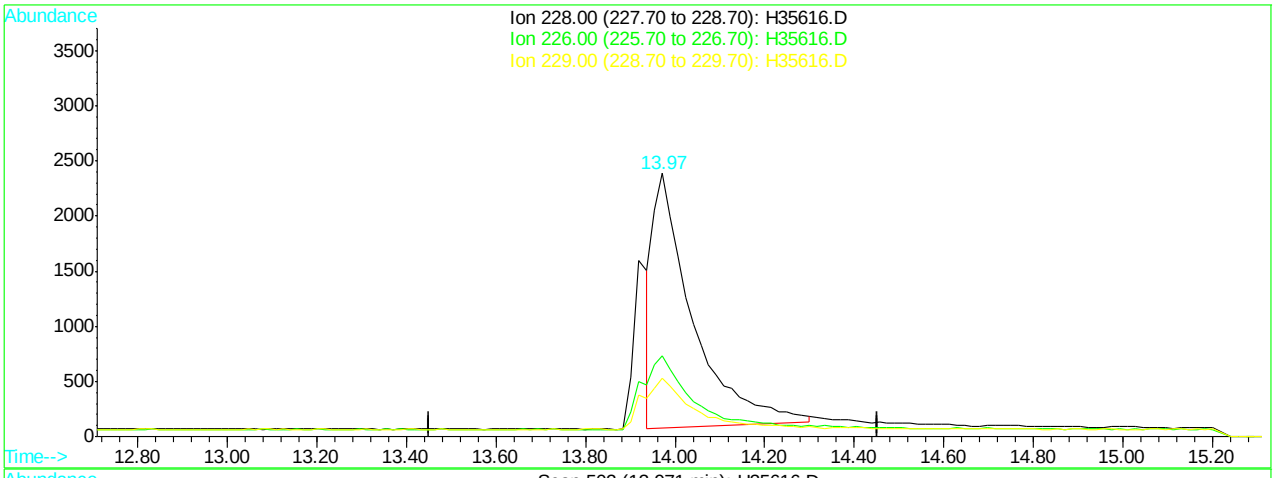
Ion	Exp%	Act%
228.00	100	100
229.00	22.80	23.51
226.00	28.60	31.02
0.00	0.00	0.00

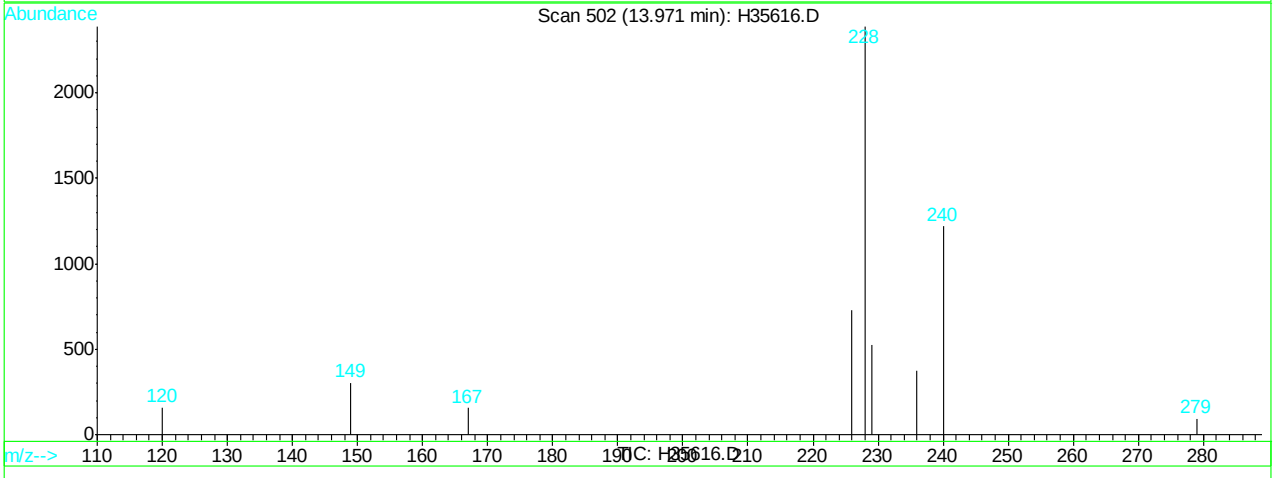
H35616.D H10269SP.M Tue Oct 27 14:51:32 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35616.D Vial: 8
Acq On : 26 Oct 2009 3:01 pm Operator: sheilac
Sample : icv1921-2.5 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:28 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(25) Chrysene (T)

13.97min 2.83ppb m

response 14195

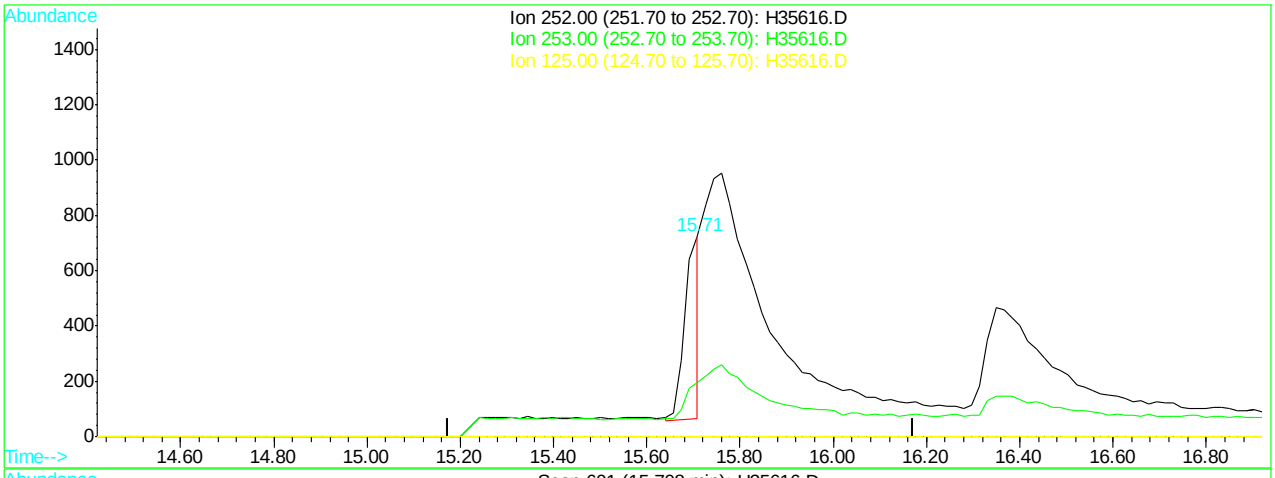
Ion	Exp%	Act%
228.00	100	100
226.00	31.80	30.53
229.00	22.40	22.11
0.00	0.00	0.00

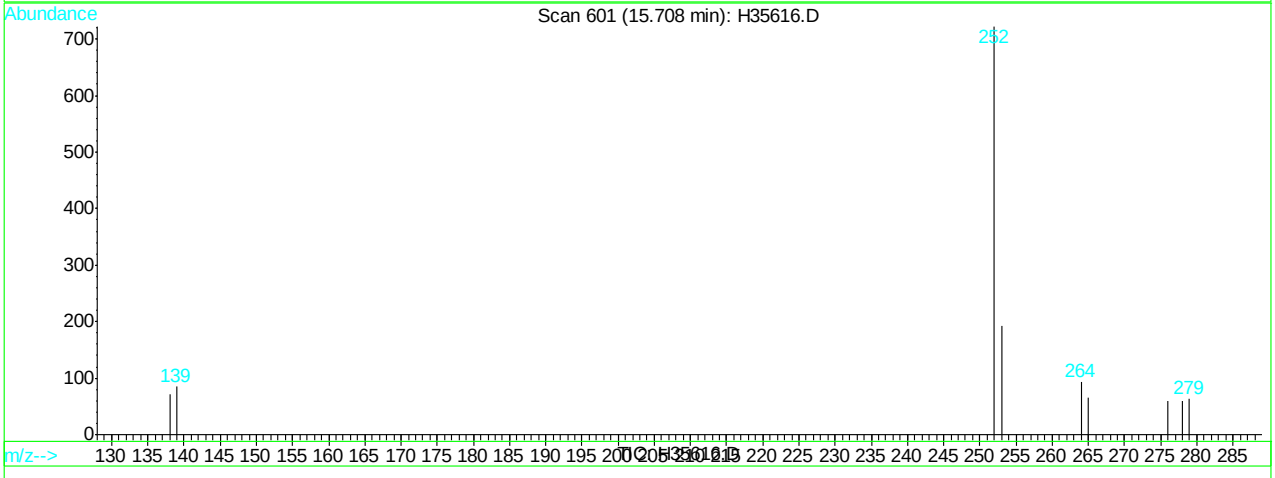
H35616.D H10269SP.M Tue Oct 27 14:51:35 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35616.D Vial: 8
Acq On : 26 Oct 2009 3:01 pm Operator: sheilac
Sample : icv1921-2.5 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:28 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(27) Benzo[b]fluoranthene (T)

15.71min 2.35ppb m

response 1535

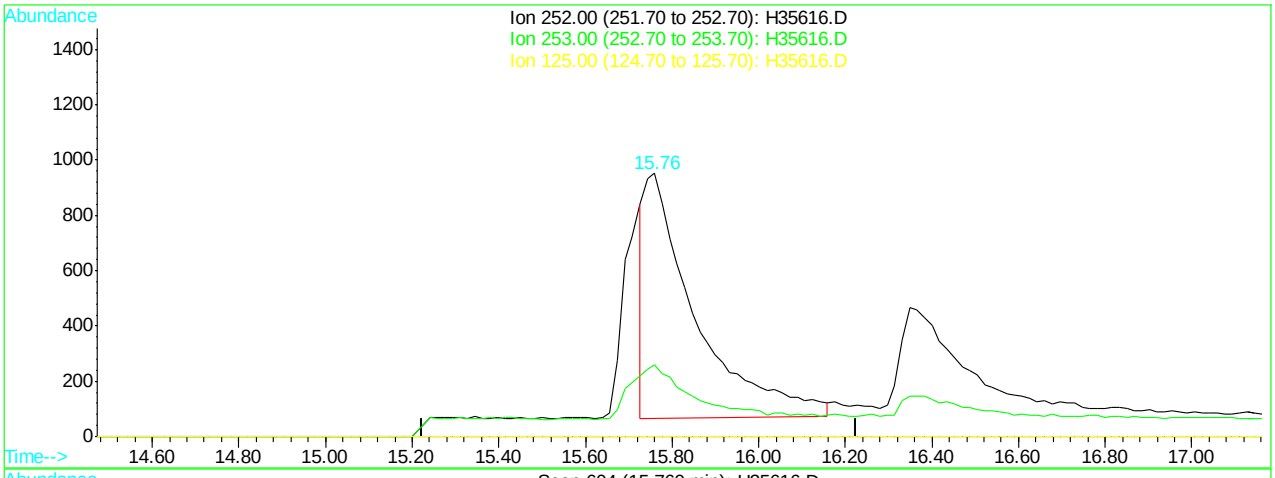
Ion	Exp%	Act%
252.00	100	100
253.00	28.40	26.73
125.00	0.00	0.00
0.00	0.00	0.00

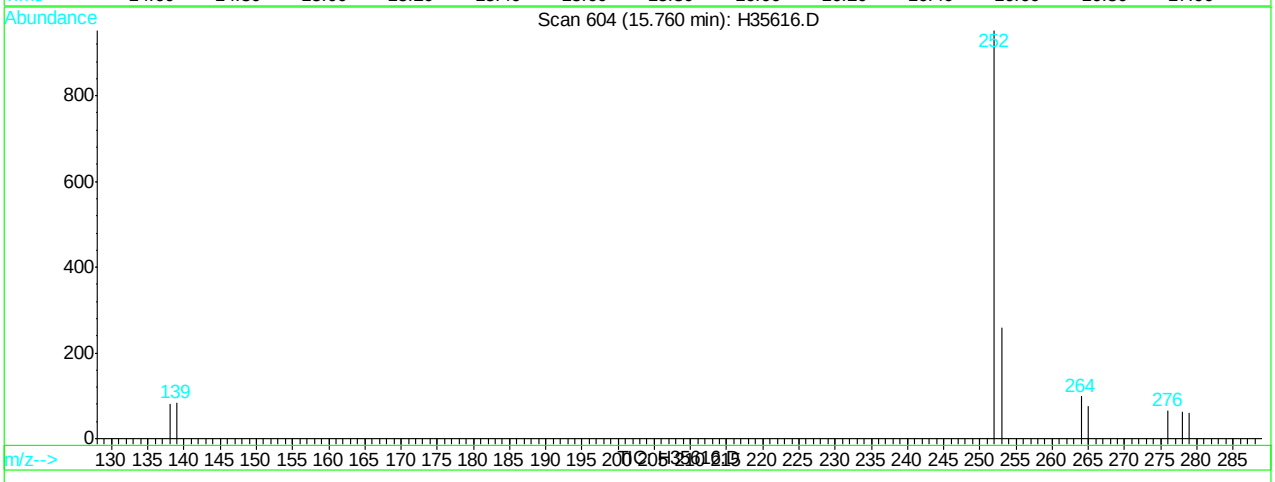
H35616.D H10269SP.M Tue Oct 27 14:51:38 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1921\H35616.D Vial: 8
Acq On : 26 Oct 2009 3:01 pm Operator: sheilac
Sample : icv1921-2.5 Inst : TXMSH
Misc : OP12779,EH1921,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 16:28 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10269SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 27 13:58:49 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.76min 2.73ppb m

response 7176

Ion	Exp%	Act%
252.00	100	100
253.00	28.10	27.21
125.00	0.00	0.00
0.00	0.00	0.00

H35616.D H10269SP.M Tue Oct 27 14:51:42 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
09/28/09 13:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13335.D
Acq On : 23 Sep 2009 11:52 am
Operator : sheilac
Sample : ic615-5
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 23 12:32:14 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 12:30:02 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.885	152	1131767	40.00	ug/ml	-0.02
20) Naphthalene-d8	6.120	136	4156402	40.00	ug/ml	-0.04
36) Acenaphthene-d10	8.629	164	2172842	40.00	ug/ml	-0.04
57) Phenanthrene-d10	11.426	188	3050995	40.00	ug/ml	0.00
71) Chrysene-d12	16.951	240	2427194	40.00	ug/ml	0.00
80) Perylene-d12	19.748	264	1762776	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.895	112	339646	9.36	ug/ml	-0.01
Spiked Amount 100.000	Range 23 - 110		Recovery	=	9.36%#	
5) Phenol-d5 (SURR)	4.665	99	426538	9.45	ug/ml	-0.03
Spiked Amount 100.000	Range 23 - 114		Recovery	=	9.45%#	
21) Nitrobenzene-d5 (SURR)	5.382	82	209263	4.72	ug/ml	-0.05
Spiked Amount 50.000	Range 36 - 126		Recovery	=	9.44%#	
40) 2-Fluorobiphenyl (SURR)	7.527	172	376824	4.57	ug/ml	-0.06
Spiked Amount 50.000	Range 34 - 132		Recovery	=	9.14%#	
62) 2,4,6-Tribromophenol (...	10.067	330	79131	10.07	ug/ml	-0.05
Spiked Amount 100.000	Range 33 - 138		Recovery	=	10.07%#	
74) Terphenyl-d14	14.769	244	253631	4.68	ug/ml	-0.02
Spiked Amount 50.000	Range 46 - 136		Recovery	=	9.36%#	
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.638	74	93609m	4.68	ug/ml	
3) Pyridine	2.627	79	156059m	4.54	ug/ml	
6) Phenol	4.681	94	231255	4.73	ug/ml	93
7) Aniline	4.628	93	211628	4.64	ug/ml	99
8) bis(2-Chloroethyl)ether	4.665	93	231589	4.58	ug/ml	99
9) 2-Chlorophenol	4.746	128	177762	4.75	ug/ml	100
10) 1,3-Dichlorobenzene	4.831	146	202363	4.78	ug/ml	99
11) 1,4-Dichlorobenzene	4.895	146	220980	4.91	ug/ml	94
12) Benzyl Alcohol	5.024	108	115532	4.48	ug/ml	97
13) 1,2-Dichlorobenzene	5.029	146	193429	4.59	ug/ml	99
14) 2-Methylphenol	5.163	108	159314	4.71	ug/ml	98
15) bis(2-chloroisopropyl)...	5.120	45	304930	5.05	ug/ml	98
16) 4-Methylphenol	5.302	108	163048	4.60	ug/ml	99
17) m+p-Cresols	5.302	108	163048	4.60	ug/ml	99
18) n-Nitroso-di-n-propyla...	5.243	70	152247	4.76	ug/ml	100
19) Hexachloroethane	5.334	117	76866	4.56	ug/ml	99
22) Nitrobenzene	5.398	77	205410	4.71	ug/ml	99
23) Isophorone	5.628	82	377302	4.77	ug/ml	99
24) 2-Nitrophenol	5.708	139	84665	4.39	ug/ml	99
25) 2,4-Dimethylphenol	5.783	122	138935	4.35	ug/ml	99
26) bis(2-Chloroethoxy)met...	5.842	93	206408	4.74	ug/ml	100
27) Benzoic Acid	5.917	105	53806	3.66	ug/ml	93
28) 2,4-Dichlorophenol	6.008	162	124383	4.40	ug/ml	99
29) 1,2,4-Trichlorobenzene	6.051	180	155536	4.51	ug/ml	99
30) Naphthalene	6.142	128	525298	4.65	ug/ml	100
31) 4-Chloroaniline	6.206	127	157550	4.29	ug/ml	99
32) Hexachlorobutadiene	6.286	225	97662	4.48	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13335.D
Acq On : 23 Sep 2009 11:52 am
Operator : sheilac
Sample : ic615-5
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 23 12:32:14 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 12:30:02 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
33) 4-Chloro-3-methylphenol	6.869	107	139664	4.29 ug/ml	99
34) 2-Methylnaphthalene	6.997	142	310487	4.45 ug/ml	99
35) 1-Methylnaphthalene	7.131	142	326170	4.47 ug/ml	99
37) Hexachlorocyclopentadiene	7.233	237	12800	1.47 ug/ml	99
38) 2,4,6-Trichlorophenol	7.436	196	79355	4.49 ug/ml	100
39) 2,4,5-Trichlorophenol	7.543	196	80073	7.67 ug/ml	99
41) 2-Chloronaphthalene	7.703	162	281032	4.69 ug/ml	100
42) 2-Nitroaniline	7.885	65	98144	4.73 ug/ml	99
43) Dimethylphthalate	8.195	163	347339	4.70 ug/ml	100
44) Acenaphthylene	8.367	152	478875	4.65 ug/ml	100
45) 2,6-Dinitrotoluene	8.286	165	78314	4.53 ug/ml#	87
46) 3-Nitroaniline	8.581	138	61443	4.09 ug/ml#	77
47) Acenaphthene	8.671	154	278921	4.56 ug/ml	99
48) 2,4-Dinitrophenol	8.789	184	3806	5.16 ug/ml#	62
49) 4-Nitrophenol	9.126	65	30613	4.38 ug/ml#	91
50) Dibenzofuran	8.971	168	389921	4.44 ug/ml	100
51) 2,4-Dinitrotoluene	8.992	165	91521	4.30 ug/ml#	63
52) 2,3,4,6-Tetrachlorophenol	9.254	232	58838	3.91 ug/ml	97
53) Diethylphthalate	9.452	149	347292	4.40 ug/ml	100
54) Fluorene	9.597	166	327689	4.25 ug/ml	100
55) 4-Chlorophenyl-phenyle...	9.618	204	156995	4.13 ug/ml	100
56) 4-Nitroaniline	9.693	138	52401	3.92 ug/ml	97
58) 1,2-Diphenylhydrazine	9.918	77	363016	4.83 ug/ml	99
59) 4,6-Dinitro-2-methylph...	9.763	198	22897	7.38 ug/ml	96
60) Diphenylamine	9.853	169	263778	4.79 ug/ml	100
61) n-Nitrosodiphenylamine	9.853	169	263778	4.79 ug/ml	100
63) 4-Bromophenyl-phenylether	10.549	248	87288	4.65 ug/ml	98
64) Hexachlorobenzene	10.677	284	97545	4.72 ug/ml	98
65) Pentachlorophenol	11.126	266	13720	1.65 ug/ml	95
66) Phenanthrene	11.463	178	416457	4.56 ug/ml	99
67) Anthracene	11.560	178	397023	4.49 ug/ml	99
68) Carbazole	11.934	167	329803	4.52 ug/ml	100
69) Di-n-butylphthalate	12.747	149	490470	4.29 ug/ml	100
70) Fluoranthene	13.908	202	378152	4.24 ug/ml	99
72) Benzidine	14.255	184	52435	2.58 ug/ml#	91
73) Pyrene	14.362	202	394970	5.04 ug/ml	99
75) Butylbenzylphthalate	15.865	149	172915	4.85 ug/ml	99
76) Benzo(a)anthracene	16.919	228	337127	4.91 ug/ml	99
77) 3,3'-Dichlorobenzidine	16.919	252	86947	3.60 ug/ml	97
78) Chrysene	16.994	228	284766	4.91 ug/ml	100
79) bis(2-Ethylhexyl)phtha...	17.133	149	232729	5.00 ug/ml	99
81) Di-n-octylphthalate	18.417	149	339068	7.62 ug/ml	100
82) Benzo(b)fluoranthene	19.042	252	264539	4.49 ug/ml	97
83) Benzo(k)fluoranthene	19.091	252	248573	4.39 ug/ml	97
84) Benzo(a)pyrene	19.631	252	226228	4.47 ug/ml	99
85) Indeno(1,2,3-cd)pyrene	21.909	276	190117	4.48 ug/ml	97
86) Dibenz(a,h)anthracene	21.936	278	152664	4.30 ug/ml	98
87) Benzo(g,h,i)perylene	22.524	276	151051	6.97 ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13335.D
Acq On : 23 Sep 2009 11:52 am
Operator : sheilac
Sample : ic615-5
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 23 12:32:14 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 12:30:02 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

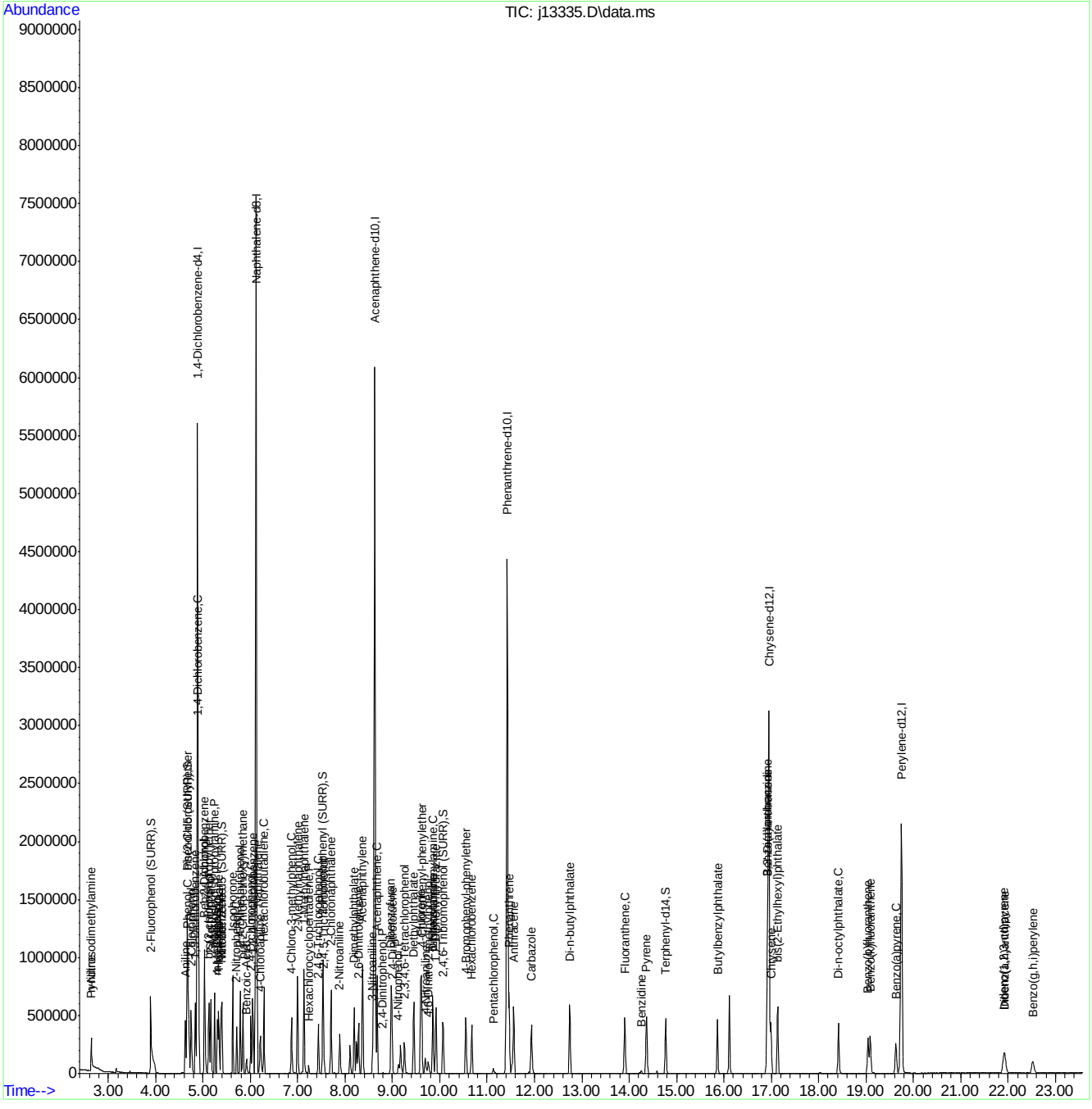
8.6.29

8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13335.D
Acq On : 23 Sep 2009 11:52 am
Operator : sheilac
Sample : ic615-5
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 23 12:32:14 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 12:30:02 2009
Response via : Initial Calibration

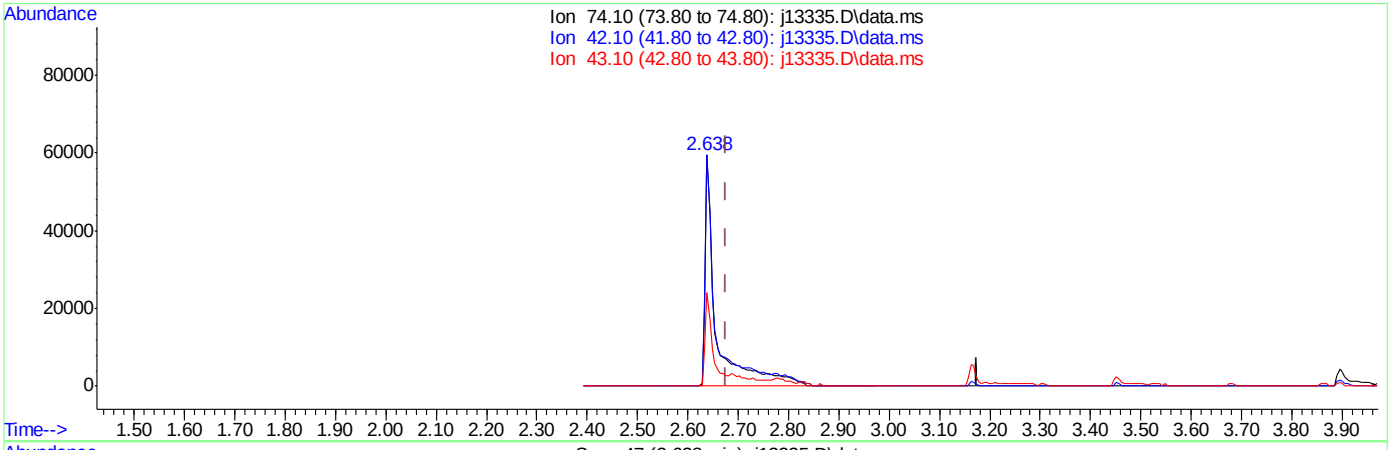


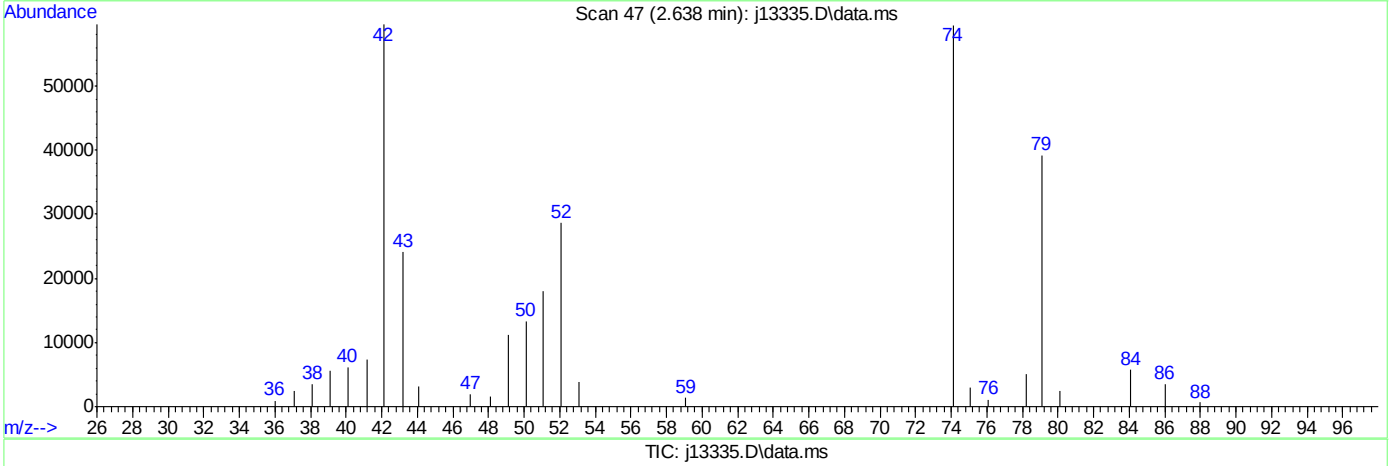
ACCUTEST Laboratories T39513

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13335.D
Acq On    : 23 Sep 2009  11:52 am
Operator  : sheilac
Sample    : ic615-5
Misc      : op12949,Ej615,1000,,,1,1,water
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: Sep 23 12:32:14 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :
QLast Update : Wed Sep 23 12:30:02 2009
Response via : Initial Calibration
```





TIC: j13335.D\data.ms

(2) n-Nitrosodimethylamine

2.638min (-0.038) 4.68ug/ml m

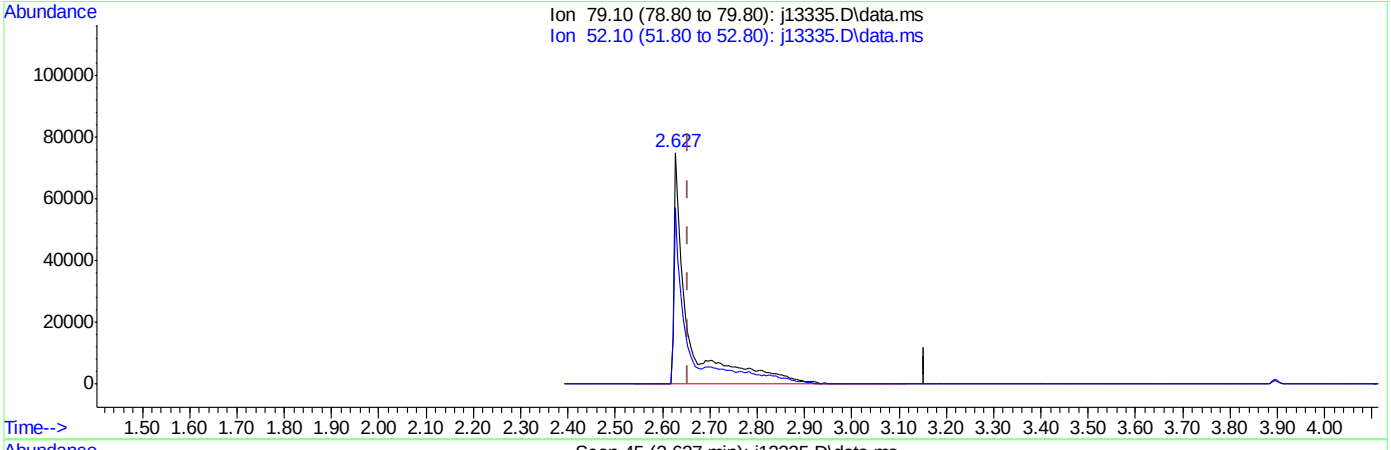
response 93609

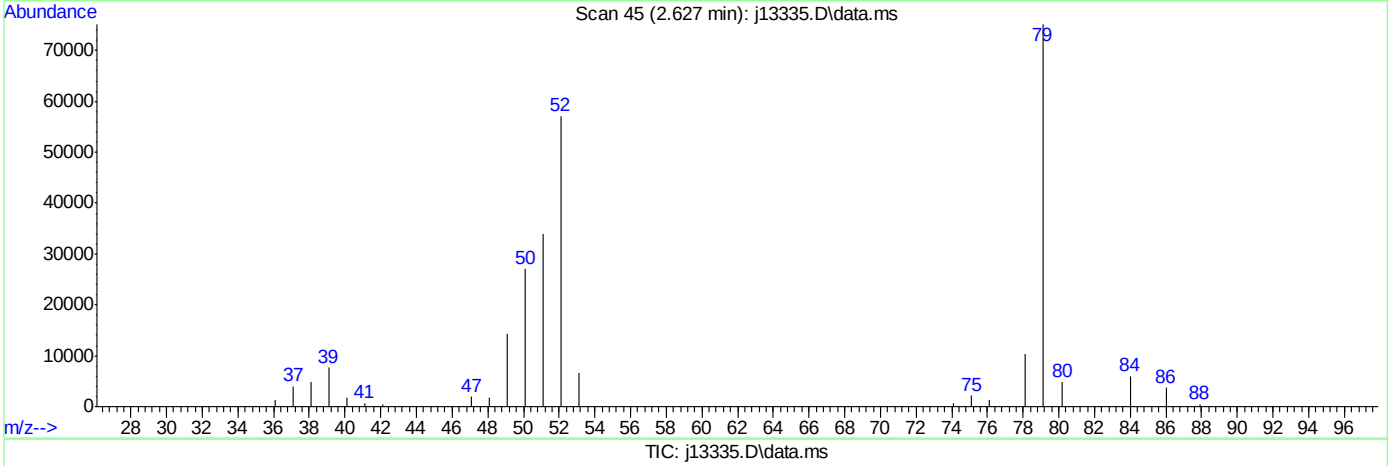
Ion	Exp%	Act%
74.10	100	100
42.10	97.90	93.95
43.10	40.50	28.18
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13335.D
Acq On    : 23 Sep 2009  11:52 am
Operator  : sheilac
Sample    : ic615-5
Misc      : op12949,Ej615,1000,,,1,1,water
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: Sep 23 12:32:14 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :
QLast Update : Wed Sep 23 12:30:02 2009
Response via : Initial Calibration
```





TIC: j13335.D\data.ms

(3) Pyridine

2.627min (-0.027) 4.54ug/ml m

response 156059

Ion	Exp%	Act%
79.10	100	100
52.10	45.00	45.91
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
09/28/09 13:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13336.D
Acq On : 23 Sep 2009 12:23 pm
Operator : sheilac
Sample : ic615-10
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 23 13:15:21 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 12:40:09 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.879	152	438746	40.00	ug/ml	0.00
20) Naphthalene-d8	6.115	136	1627703	40.00	ug/ml	0.00
36) Acenaphthene-d10	8.618	164	870467	40.00	ug/ml	-0.01
57) Phenanthrene-d10	11.415	188	1252710	40.00	ug/ml	-0.01
71) Chrysene-d12	16.940	240	1041785	40.00	ug/ml	-0.01
80) Perylene-d12	19.743	264	808724	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.895	112	258871	16.38	ug/ml	0.02
Spiked Amount 100.000	Range 23 - 110		Recovery = 16.38%#			
5) Phenol-d5 (SURR)	4.665	99	322025	16.14	ug/ml	0.00
Spiked Amount 100.000	Range 23 - 114		Recovery = 16.14%#			
21) Nitrobenzene-d5 (SURR)	5.382	82	161623	8.40	ug/ml	-0.01
Spiked Amount 50.000	Range 36 - 126		Recovery = 16.80%#			
40) 2-Fluorobiphenyl (SURR)	7.527	172	296532	7.86	ug/ml	-0.02
Spiked Amount 50.000	Range 34 - 132		Recovery = 15.72%#			
62) 2,4,6-Tribromophenol (...	10.067	330	62678	13.68	ug/ml	-0.03
Spiked Amount 100.000	Range 33 - 138		Recovery = 13.68%#			
74) Terphenyl-d14	14.774	244	220022	8.19	ug/ml	-0.01
Spiked Amount 50.000	Range 46 - 136		Recovery = 16.38%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.633	74	72101	8.48	ug/ml	92
3) Pyridine	2.622	79	120863m	7.89	ug/ml	
6) Phenol	4.681	94	174873	8.10	ug/ml	95
7) Aniline	4.622	93	168881	7.95	ug/ml	94
8) bis(2-Chloroethyl)ether	4.665	93	177684	8.53	ug/ml	98
9) 2-Chlorophenol	4.745	128	136759	8.44	ug/ml	99
10) 1,3-Dichlorobenzene	4.831	146	155349	8.44	ug/ml	99
11) 1,4-Dichlorobenzene	4.895	146	165674	8.49	ug/ml	98
12) Benzyl Alcohol	5.024	108	89752	8.01	ug/ml	97
13) 1,2-Dichlorobenzene	5.029	146	151362	8.28	ug/ml	100
14) 2-Methylphenol	5.163	108	125342	8.70	ug/ml	98
15) bis(2-chloroisopropyl)...	5.120	45	243853	9.25	ug/ml	98
16) 4-Methylphenol	5.302	108	126943	8.54	ug/ml	100
17) m+p-Cresols	5.302	108	126943	8.54	ug/ml	100
18) n-Nitroso-di-n-propyla...	5.243	70	121231	8.78	ug/ml	99
19) Hexachloroethane	5.328	117	59495	8.30	ug/ml	99
22) Nitrobenzene	5.398	77	160329	8.48	ug/ml	98
23) Isophorone	5.628	82	298019	8.60	ug/ml	99
24) 2-Nitrophenol	5.708	139	63247	7.71	ug/ml	98
25) 2,4-Dimethylphenol	5.783	122	113813	7.89	ug/ml	100
26) bis(2-Chloroethoxy)met...	5.842	93	160453	8.43	ug/ml	100
27) Benzoic Acid	5.911	105	35456	5.60	ug/ml	98
28) 2,4-Dichlorophenol	6.008	162	95089	7.85	ug/ml	99
29) 1,2,4-Trichlorobenzene	6.051	180	120898	8.15	ug/ml	99
30) Naphthalene	6.136	128	405301	8.24	ug/ml	100
31) 4-Chloroaniline	6.206	127	126170	7.66	ug/ml	98
32) Hexachlorobutadiene	6.286	225	77068	8.24	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13336.D
Acq On : 23 Sep 2009 12:23 pm
Operator : sheilac
Sample : ic615-10
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 23 13:15:21 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 12:40:09 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 4-Chloro-3-methylphenol	6.869	107	107401	7.80	ug/ml	100
34) 2-Methylnaphthalene	6.997	142	242892	8.15	ug/ml	100
35) 1-Methylnaphthalene	7.131	142	254986	8.17	ug/ml	100
37) Hexachlorocyclopentadiene	7.233	237	6154	2.13	ug/ml#	19
38) 2,4,6-Trichlorophenol	7.436	196	59675	7.37	ug/ml	99
39) 2,4,5-Trichlorophenol	7.543	196	60186	6.96	ug/ml	100
41) 2-Chloronaphthalene	7.703	162	218829	8.07	ug/ml	99
42) 2-Nitroaniline	7.885	65	75946	8.18	ug/ml	98
43) Dimethylphthalate	8.190	163	282079	8.49	ug/ml	100
44) Acenaphthylene	8.366	152	381060	8.17	ug/ml	100
45) 2,6-Dinitrotoluene	8.281	165	62071	8.11	ug/ml	88
46) 3-Nitroaniline	8.580	138	48355	7.65	ug/ml#	83
47) Acenaphthene	8.671	154	224618	8.28	ug/ml	99
48) 2,4-Dinitrophenol	8.789	184	1160m	0.75	ug/ml	
49) 4-Nitrophenol	9.126	65	34262	9.11	ug/ml#	75
50) Dibenzofuran	8.976	168	312182	8.08	ug/ml	100
51) 2,4-Dinitrotoluene	8.987	165	73063	7.78	ug/ml#	69
52) 2,3,4,6-Tetrachlorophenol	9.254	232	44591	6.85	ug/ml	98
53) Diethylphthalate	9.452	149	284682	8.28	ug/ml	100
54) Fluorene	9.597	166	263317	7.84	ug/ml	100
55) 4-Chlorophenyl-phenyle...	9.618	204	127435	7.90	ug/ml	100
56) 4-Nitroaniline	9.693	138	40517	7.46	ug/ml	98
58) 1,2-Diphenylhydrazine	9.918	77	294772	8.58	ug/ml	99
59) 4,6-Dinitro-2-methylph...	9.757	198	17449	8.55	ug/ml	97
60) Diphenylamine	9.853	169	210824	8.35	ug/ml	100
61) n-Nitrosodiphenylamine	9.853	169	210824	8.35	ug/ml	100
63) 4-Bromophenyl-phenylether	10.554	248	71125	8.29	ug/ml	100
64) Hexachlorobenzene	10.677	284	80790	8.62	ug/ml	99
65) Pentachlorophenol	11.126	266	10758	2.91	ug/ml	98
66) Phenanthrene	11.458	178	344061	8.41	ug/ml	99
67) Anthracene	11.560	178	327120	8.27	ug/ml	100
68) Carbazole	11.934	167	267649	8.36	ug/ml	99
69) Di-n-butylphthalate	12.747	149	435135	8.77	ug/ml	100
70) Fluoranthene	13.908	202	322270	8.53	ug/ml	100
72) Benzidine	14.255	184	59343	6.68	ug/ml#	95
73) Pyrene	14.368	202	337027	8.43	ug/ml	100
75) Butylbenzylphthalate	15.865	149	156729	8.56	ug/ml	99
76) Benzo(a)anthracene	16.919	228	278566	8.52	ug/ml	100
77) 3,3'-Dichlorobenzidine	16.919	252	74079	10.23	ug/ml	97
78) Chrysene	16.988	228	242960	8.64	ug/ml	99
79) bis(2-Ethylhexyl)phtha...	17.138	149	222888	9.12	ug/ml	99
81) Di-n-octylphthalate	18.422	149	308929	7.33	ug/ml#	97
82) Benzo(b)fluoranthene	19.042	252	224706	7.78	ug/ml	100
83) Benzo(k)fluoranthene	19.096	252	225043	8.01	ug/ml	99
84) Benzo(a)pyrene	19.631	252	201067	7.91	ug/ml	100
85) Indeno(1,2,3-cd)pyrene	21.909	276	186731	8.27	ug/ml	99
86) Dibenz(a,h)anthracene	21.936	278	150717	8.17	ug/ml	99
87) Benzo(g,h,i)perylene	22.524	276	152191	8.99	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13336.D
Acq On : 23 Sep 2009 12:23 pm
Operator : sheilac
Sample : ic615-10
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 23 13:15:21 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 12:40:09 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

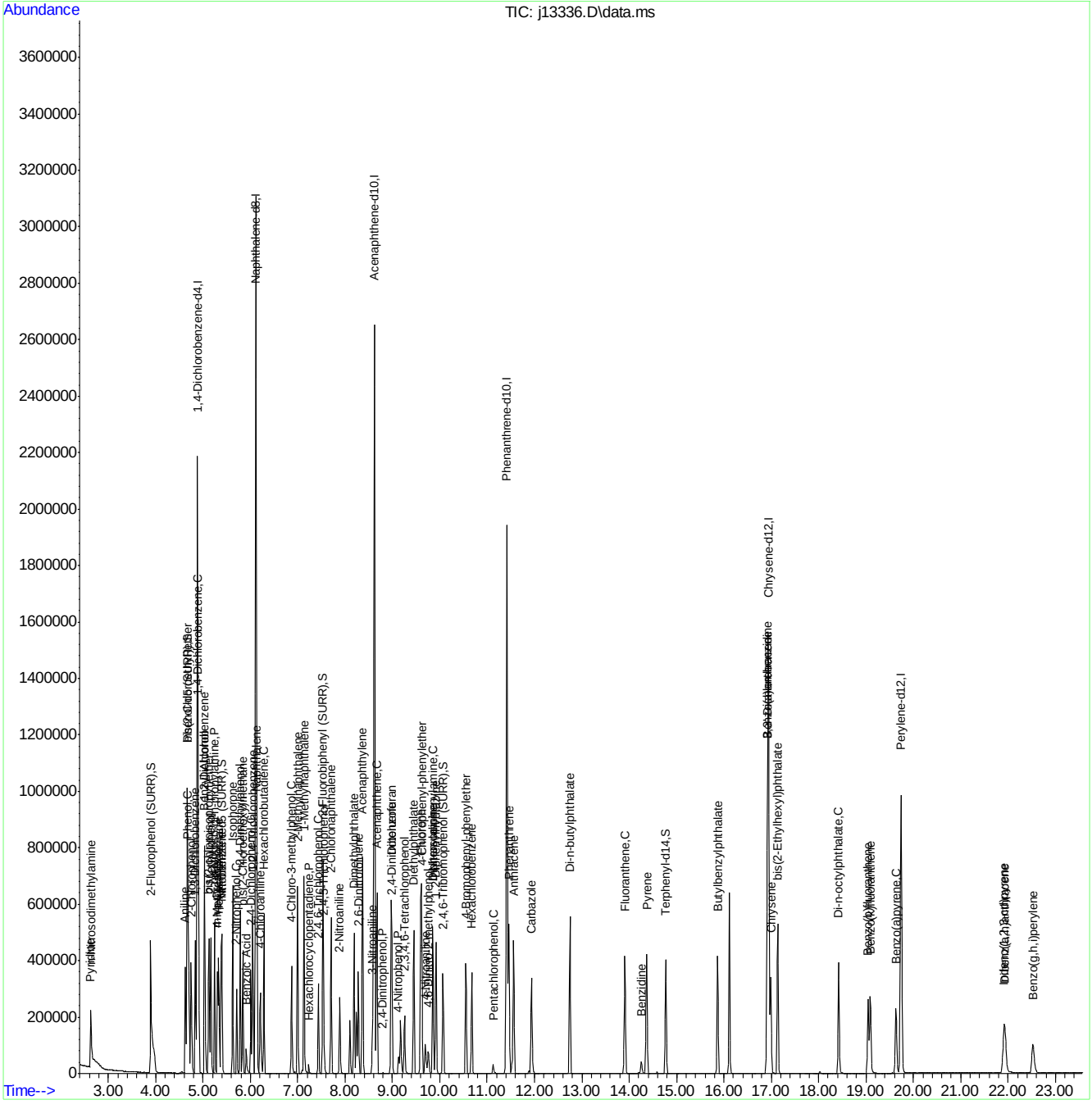
8.6.30

8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13336.D
Acq On : 23 Sep 2009 12:23 pm
Operator : sheilac
Sample : ic615-10
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 23 13:15:21 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 12:40:09 2009
Response via : Initial Calibration



ACCUTEST Laboratories T39513

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13336.D
Acq On    : 23 Sep 2009  12:23 pm
Operator  : sheilac
Sample    : ic615-10
Misc      : op12949,Ej615,1000,,,1,1,water
ALS Vial  : 5   Sample Multiplier: 1

Quant Time: Sep 23 13:15:21 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :
QLast Update : Wed Sep 23 12:40:09 2009
Response via : Initial Calibration
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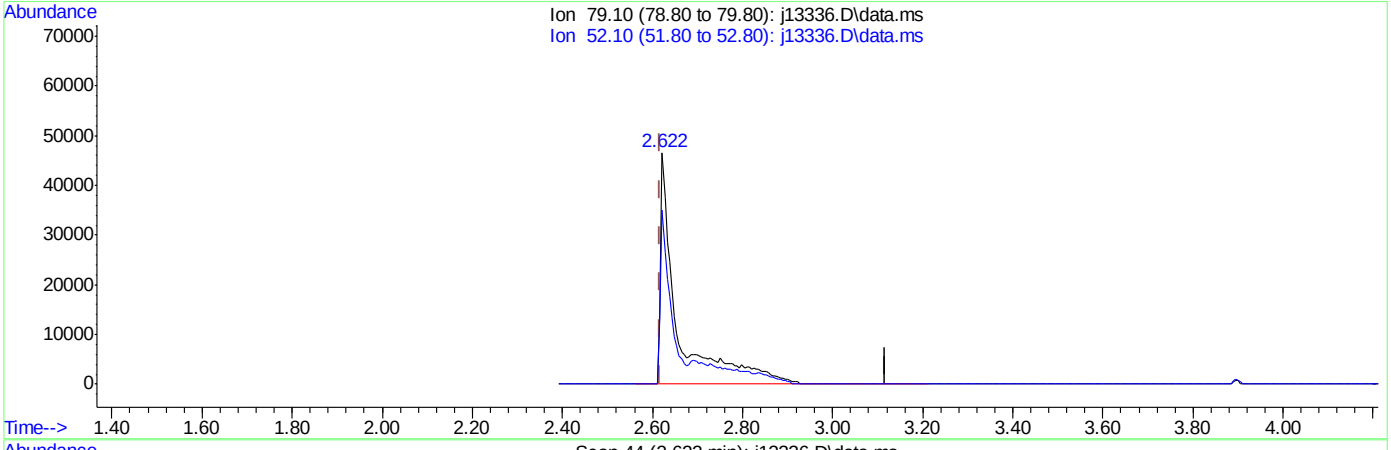
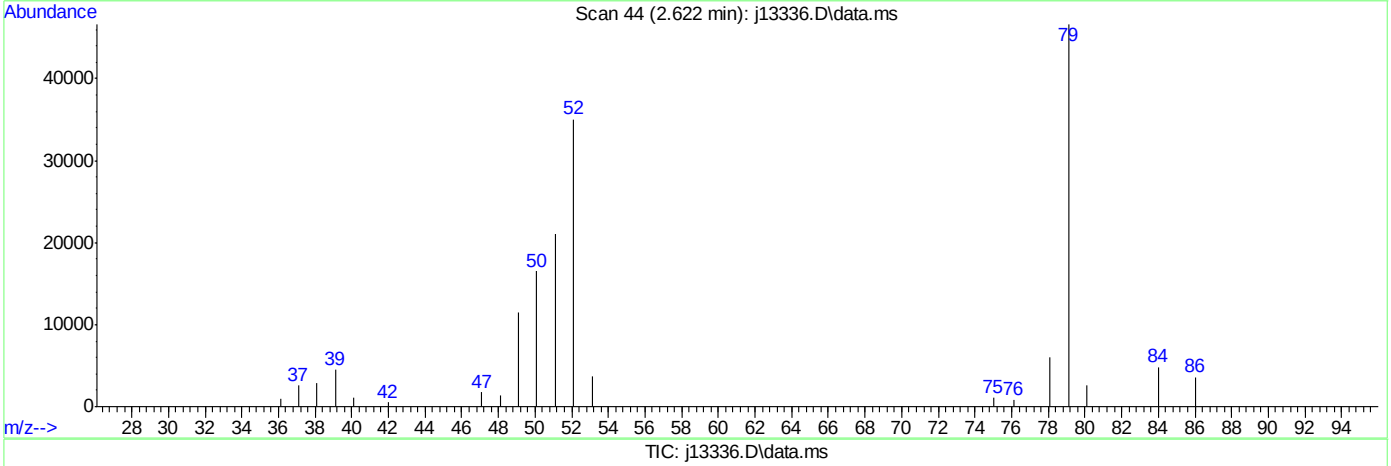




(3) Pyridine

2.622min (+0.005) 7.89ug/ml m

response 120863

Ion	Exp%	Act%
79.10	100	100
52.10	48.30	43.03
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
09/28/09 13:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13337.D
Acq On : 23 Sep 2009 12:53 pm
Operator : sheilac
Sample : ic615-25
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 23 14:32:16 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 13:15:48 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.885	152	576826	40.00	ug/ml	0.00
20) Naphthalene-d8	6.120	136	2141894	40.00	ug/ml	0.00
36) Acenaphthene-d10	8.623	164	1134750	40.00	ug/ml	0.00
57) Phenanthrene-d10	11.426	188	1652005	40.00	ug/ml	0.01
71) Chrysene-d12	16.946	240	1183011	40.00	ug/ml	0.00
80) Perylene-d12	19.743	264	760056	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.884	112	882461	44.49	ug/ml	-0.01
Spiked Amount 100.000	Range 23 - 110		Recovery = 44.49%			
5) Phenol-d5 (SURR)	4.655	99	1148563	46.01	ug/ml	-0.01
Spiked Amount 100.000	Range 23 - 114		Recovery = 46.01%			
21) Nitrobenzene-d5 (SURR)	5.387	82	552027	22.72	ug/ml	0.00
Spiked Amount 50.000	Range 36 - 126		Recovery = 45.44%			
40) 2-Fluorobiphenyl (SURR)	7.532	172	1081356	23.22	ug/ml	0.00
Spiked Amount 50.000	Range 34 - 132		Recovery = 46.44%			
62) 2,4,6-Tribromophenol (...	10.078	330	248590	43.92	ug/ml	0.01
Spiked Amount 100.000	Range 33 - 138		Recovery = 43.92%			
74) Terphenyl-d14	14.780	244	715852	24.58	ug/ml	0.00
Spiked Amount 50.000	Range 46 - 136		Recovery = 49.16%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.638	74	244369	22.73	ug/ml	98
3) Pyridine	2.622	79	412969m	21.64	ug/ml	
6) Phenol	4.671	94	626171	23.17	ug/ml	98
7) Aniline	4.628	93	623162	23.53	ug/ml	97
8) bis(2-Chloroethyl)ether	4.671	93	610707	23.16	ug/ml	99
9) 2-Chlorophenol	4.745	128	471547	23.03	ug/ml	99
10) 1,3-Dichlorobenzene	4.836	146	528572	22.74	ug/ml	99
11) 1,4-Dichlorobenzene	4.895	146	566630	22.95	ug/ml	99
12) Benzyl Alcohol	5.029	108	327219	23.39	ug/ml	99
13) 1,2-Dichlorobenzene	5.029	146	526034	22.87	ug/ml	100
14) 2-Methylphenol	5.163	108	428457	23.37	ug/ml	99
15) bis(2-chloroisopropyl)...	5.125	45	790424	23.25	ug/ml	99
16) 4-Methylphenol	5.296	108	436035	23.17	ug/ml	99
17) m+p-Cresols	5.296	108	436035	23.17	ug/ml	99
18) n-Nitroso-di-n-propyla...	5.254	70	408001	23.19	ug/ml	100
19) Hexachloroethane	5.334	117	205708	22.81	ug/ml	99
22) Nitrobenzene	5.403	77	547705	22.89	ug/ml	99
23) Isophorone	5.639	82	1004753	22.84	ug/ml	99
24) 2-Nitrophenol	5.714	139	235096	23.10	ug/ml	98
25) 2,4-Dimethylphenol	5.788	122	401465	22.33	ug/ml	99
26) bis(2-Chloroethoxy)met...	5.847	93	550999	22.89	ug/ml	100
27) Benzoic Acid	5.954	105	188007	25.35	ug/ml	97
28) 2,4-Dichlorophenol	6.002	162	345112	22.87	ug/ml	99
29) 1,2,4-Trichlorobenzene	6.056	180	422800	22.70	ug/ml	99
30) Naphthalene	6.141	128	1408745	22.77	ug/ml	100
31) 4-Chloroaniline	6.211	127	415356	20.35	ug/ml	96
32) Hexachlorobutadiene	6.286	225	266684	22.66	ug/ml	100

8.6.31
8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13337.D
Acq On : 23 Sep 2009 12:53 pm
Operator : sheilac
Sample : ic615-25
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 23 14:32:16 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 13:15:48 2009
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33)	4-Chloro-3-methylphenol	6.864	107	391494	22.87	ug/ml	100
34)	2-Methylnaphthalene	7.003	142	856183	22.88	ug/ml	100
35)	1-Methylnaphthalene	7.136	142	893157	22.78	ug/ml	100
37)	Hexachlorocyclopentadiene	7.233	237	80435	26.64	ug/ml	99
38)	2,4,6-Trichlorophenol	7.436	196	227827	23.11	ug/ml	99
39)	2,4,5-Trichlorophenol	7.532	196	248665	23.88	ug/ml	98
41)	2-Chloronaphthalene	7.709	162	776730	23.08	ug/ml	100
42)	2-Nitroaniline	7.896	65	270784	23.43	ug/ml	99
43)	Dimethylphthalate	8.211	163	944794	22.66	ug/ml	100
44)	Acenaphthylene	8.377	152	1345047	23.19	ug/ml	100
45)	2,6-Dinitrotoluene	8.297	165	216563	22.77	ug/ml	87
46)	3-Nitroaniline	8.596	138	157782	20.34	ug/ml	95
47)	Acenaphthene	8.682	154	779169	23.02	ug/ml	100
48)	2,4-Dinitrophenol	8.784	184	40826	26.20	ug/ml	95
49)	4-Nitrophenol	9.105	65	108283	22.59	ug/ml	97
50)	Dibenzofuran	8.982	168	1101332	22.97	ug/ml	100
51)	2,4-Dinitrotoluene	9.003	165	265741	22.98	ug/ml#	70
52)	2,3,4,6-Tetrachlorophenol	9.254	232	183758	23.51	ug/ml	99
53)	Diethylphthalate	9.468	149	967081	22.55	ug/ml	100
54)	Fluorene	9.607	166	941580	22.73	ug/ml	100
55)	4-Chlorophenyl-phenyle...	9.623	204	451961	22.68	ug/ml	100
56)	4-Nitroaniline	9.720	138	145753m	21.98	ug/ml	
58)	1,2-Diphenylhydrazine	9.928	77	1001926	22.77	ug/ml	100
59)	4,6-Dinitro-2-methylph...	9.768	198	100756	21.76	ug/ml	97
60)	Diphenylamine	9.869	169	733939	22.78	ug/ml	100
61)	n-Nitrosodiphenylamine	9.869	169	733939	22.78	ug/ml	100
63)	4-Bromophenyl-phenylether	10.559	248	247018	22.61	ug/ml	100
64)	Hexachlorobenzene	10.682	284	271309	22.58	ug/ml	100
65)	Pentachlorophenol	11.126	266	73730	18.36	ug/ml	98
66)	Phenanthrene	11.469	178	1179677	22.59	ug/ml	100
67)	Anthracene	11.570	178	1130479	22.45	ug/ml	100
68)	Carbazole	11.939	167	864484	21.16	ug/ml	99
69)	Di-n-butylphthalate	12.752	149	1423397	22.31	ug/ml	100
70)	Fluoranthene	13.913	202	1067679	22.08	ug/ml	100
72)	Benzidine	14.261	184	87648	9.47	ug/ml#	98
73)	Pyrene	14.373	202	1088938	24.96	ug/ml	100
75)	Butylbenzylphthalate	15.871	149	485737	24.22	ug/ml	99
76)	Benzo(a)anthracene	16.924	228	812974	22.74	ug/ml	99
77)	3,3'-Dichlorobenzidine	16.930	252	138669	16.76	ug/ml	96
78)	Chrysene	16.994	228	708906	22.98	ug/ml	100
79)	bis(2-Ethylhexyl)phtha...	17.138	149	651935	24.03	ug/ml	100
81)	Di-n-octylphthalate	18.427	149	896856	24.26	ug/ml#	100
82)	Benzo(b)fluoranthene	19.053	252	582784	22.73	ug/ml	100
83)	Benzo(k)fluoranthene	19.101	252	575526	22.94	ug/ml	100
84)	Benzo(a)pyrene	19.636	252	510132	22.54	ug/ml	100
85)	Indeno(1,2,3-cd)pyrene	21.915	276	456792	22.49	ug/ml	100
86)	Dibenz(a,h)anthracene	21.947	278	371245	22.44	ug/ml	99
87)	Benzo(g,h,i)perylene	22.535	276	360667	20.63	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13337.D
Acq On : 23 Sep 2009 12:53 pm
Operator : sheilac
Sample : ic615-25
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 23 14:32:16 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 13:15:48 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

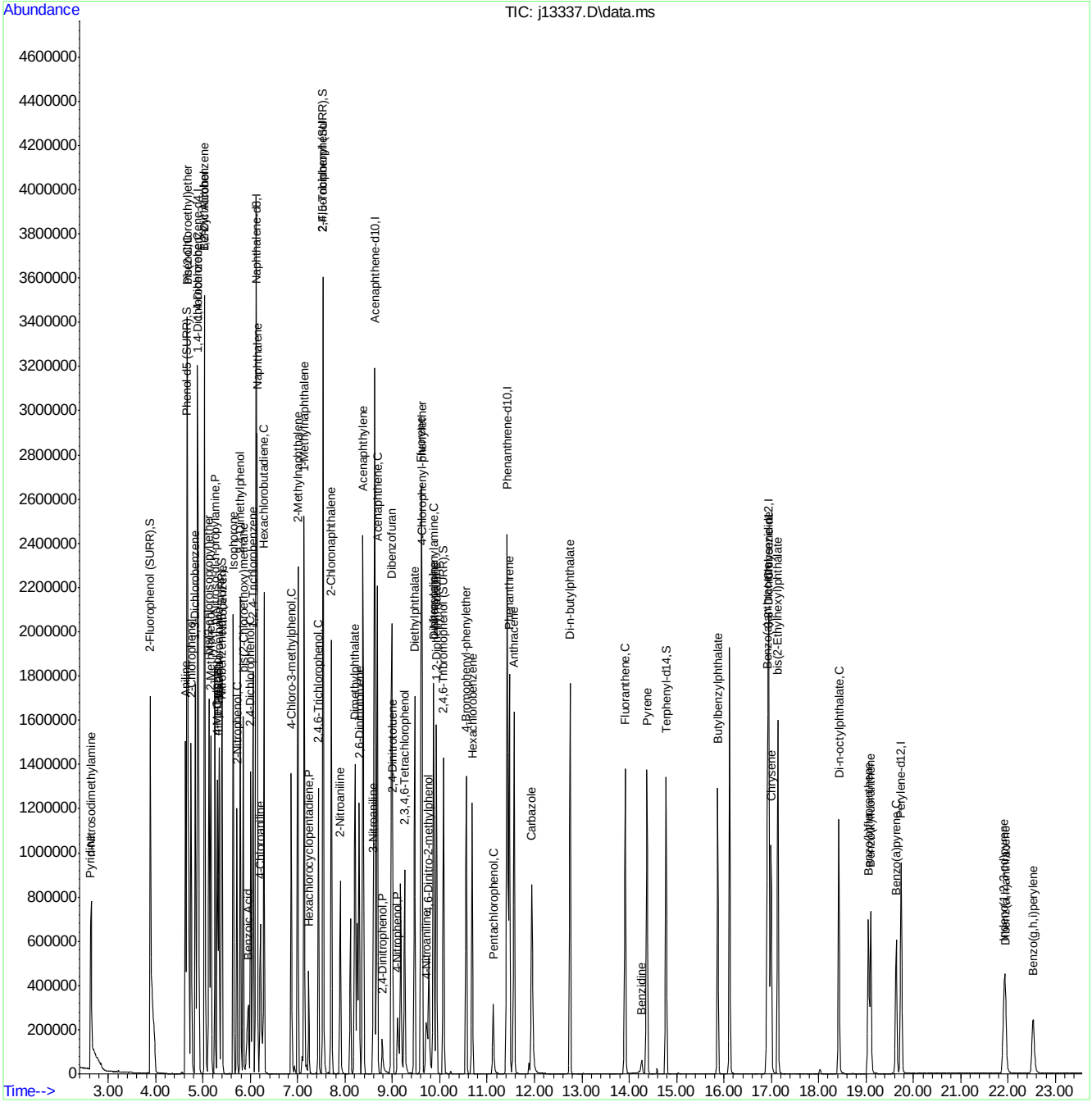
8.6.31

8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13337.D
Acq On : 23 Sep 2009 12:53 pm
Operator : sheilac
Sample : ic615-25
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 23 14:32:16 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 13:15:48 2009
Response via : Initial Calibration



Quantitation Report (Qedit)

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Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13337.D
Acq On    : 23 Sep 2009  12:53 pm
Operator  : sheilac
Sample    : ic615-25
Misc      : op12949,Ej615,1000,,,1,1,water
ALS Vial  : 6   Sample Multiplier: 1

Quant Time: Sep 23 14:32:16 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :
QLast Update : Wed Sep 23 13:15:48 2009
Response via : Initial Calibration
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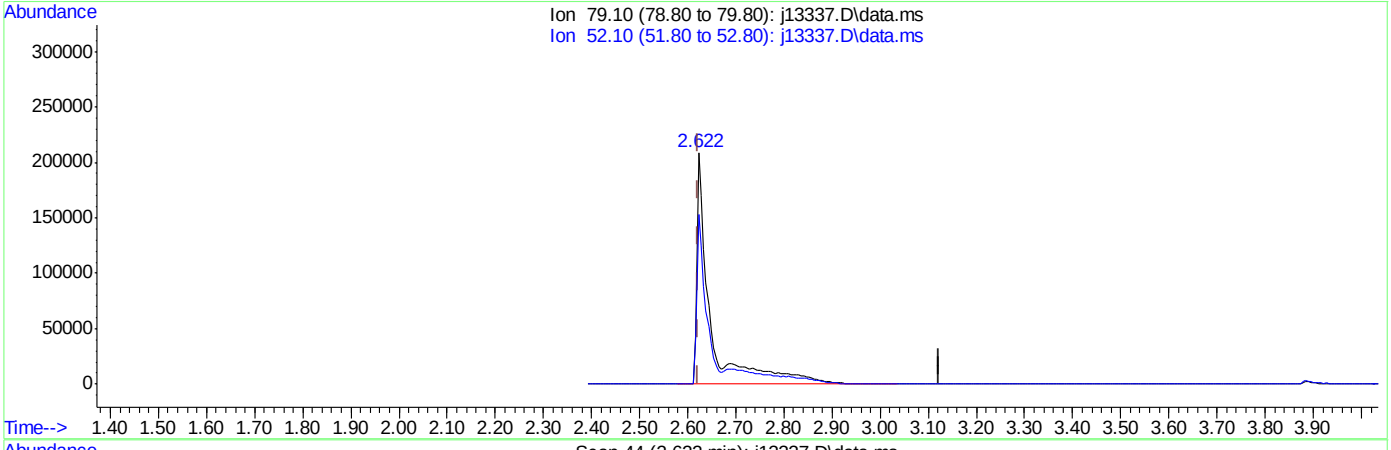
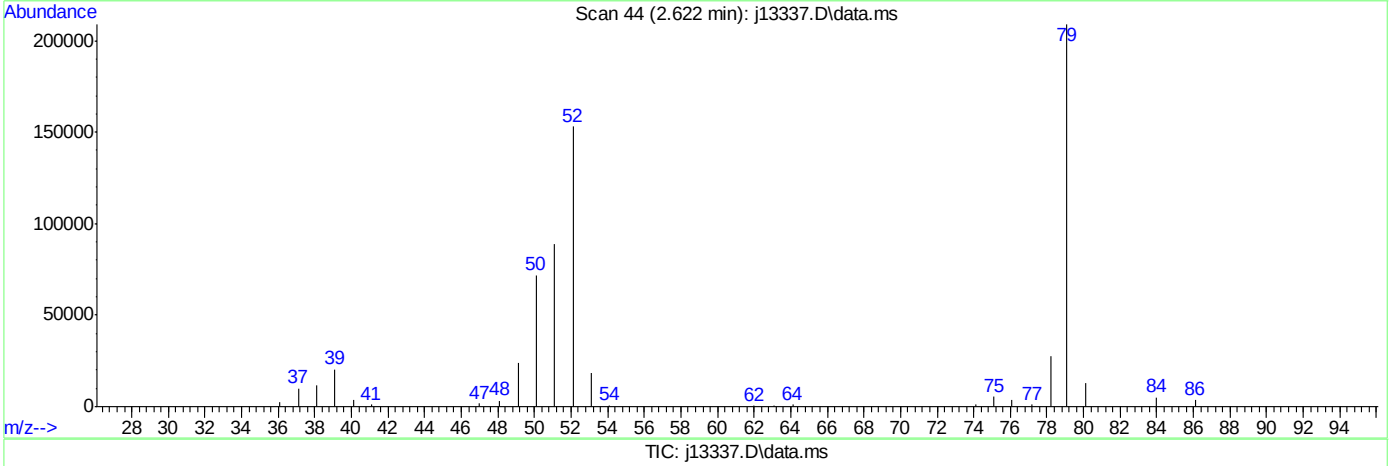




(3) Pyridine

2.622min (+0.000) 21.64ug/ml m

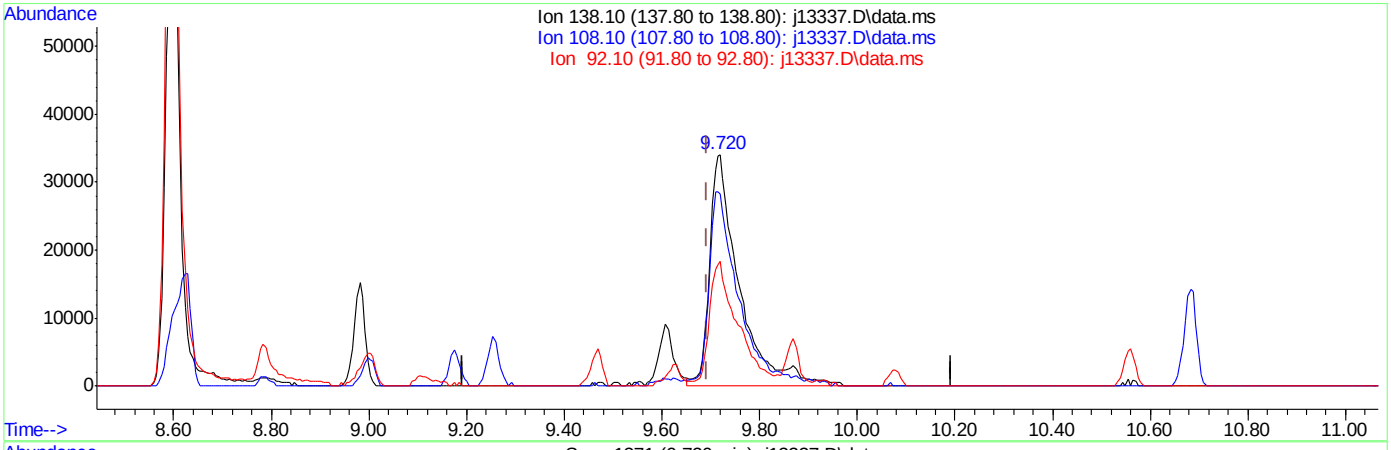
response 412969

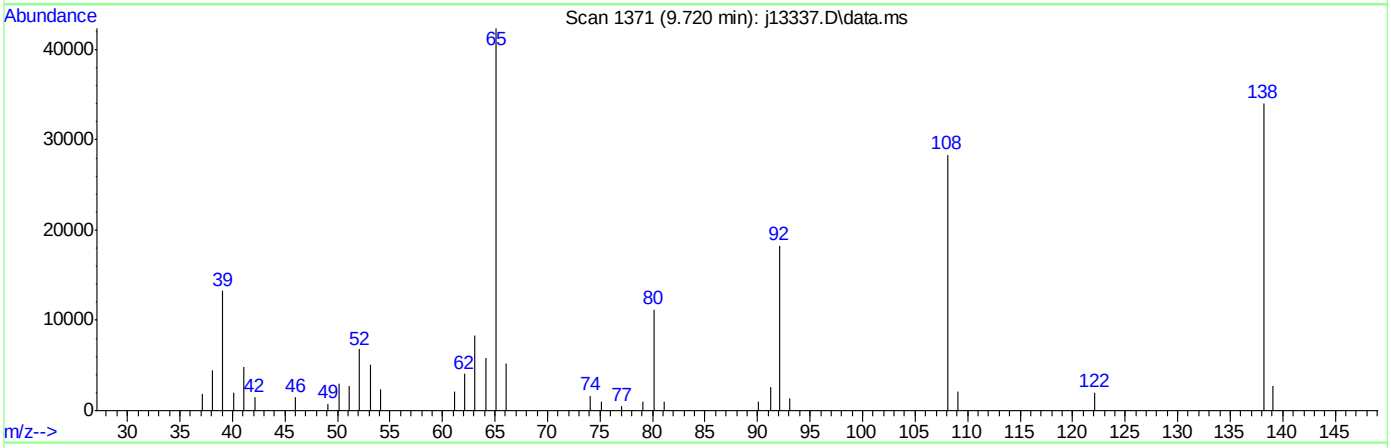
Ion	Exp%	Act%
79.10	100	100
52.10	48.30	48.26
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13337.D
Acq On : 23 Sep 2009 12:53 pm
Operator : sheilac
Sample : ic615-25
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 23 14:32:16 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 13:15:48 2009
Response via : Initial Calibration





TIC: j13337.D\data.ms

(56) 4-Nitroaniline

9.720min (+0.027) 21.98ug/ml m

response 145753

Ion	Exp%	Act%
138.10	100	100
108.10	87.60	75.98
92.10	53.80	49.30
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
09/28/09 13:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13338.D
Acq On : 23 Sep 2009 1:22 pm
Operator : sheilac
Sample : ic615-100
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 23 14:31:42 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 13:16:53 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.890	152	653336	40.00	ug/ml	0.00
20) Naphthalene-d8	6.136	136	2372869	40.00	ug/ml	0.02
36) Acenaphthene-d10	8.645	164	1357741	40.00	ug/ml	0.02
57) Phenanthrene-d10	11.447	188	1892973	40.00	ug/ml	0.02
71) Chrysene-d12	16.978	240	1520338	40.00	ug/ml	0.03
80) Perylene-d12	19.759	264	820076	40.00	ug/ml	0.02
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.885	112	4167420	189.67	ug/ml	0.00
Spiked Amount 100.000	Range 23 - 110		Recovery = 189.67%#			
5) Phenol-d5 (SURR)	4.676	99	4881596	175.46	ug/ml	0.02
Spiked Amount 100.000	Range 23 - 114		Recovery = 175.46%#			
21) Nitrobenzene-d5 (SURR)	5.414	82	2509457	94.94	ug/ml	0.03
Spiked Amount 50.000	Range 36 - 126		Recovery = 189.88%#			
40) 2-Fluorobiphenyl (SURR)	7.559	172	5603200	102.01	ug/ml	0.03
Spiked Amount 50.000	Range 34 - 132		Recovery = 204.02%#			
62) 2,4,6-Tribromophenol (...	10.132	330	1554070	253.77	ug/ml	0.05
Spiked Amount 100.000	Range 33 - 138		Recovery = 253.77%#			
74) Terphenyl-d14	14.806	244	3757901	100.75	ug/ml	0.03
Spiked Amount 50.000	Range 46 - 136		Recovery = 201.50%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.654	74	1089484	91.14	ug/ml	98
3) Pyridine	2.638	79	1929938	91.77	ug/ml#	63
6) Phenol	4.692	94	2613323	86.65	ug/ml	96
7) Aniline	4.644	93	2814143	94.92	ug/ml	99
8) bis(2-Chloroethyl)ether	4.687	93	2557135	86.89	ug/ml	92
9) 2-Chlorophenol	4.756	128	2175701	95.32	ug/ml	98
10) 1,3-Dichlorobenzene	4.847	146	2473298	95.66	ug/ml	99
11) 1,4-Dichlorobenzene	4.906	146	2669427	97.03	ug/ml	100
12) Benzyl Alcohol	5.067	108	1544241	98.72	ug/ml	97
13) 1,2-Dichlorobenzene	5.045	146	2556187	99.82	ug/ml	100
14) 2-Methylphenol	5.168	108	1965583	95.92	ug/ml	99
15) bis(2-chloroisopropyl)...	5.136	45	3208339	84.50	ug/ml	96
16) 4-Methylphenol	5.323	108	2183458	103.94	ug/ml	99
17) m+p-Cresols	5.323	108	2183458	103.94	ug/ml	99
18) n-Nitroso-di-n-propyla...	5.297	70	1879450	95.71	ug/ml	99
19) Hexachloroethane	5.339	117	995186	99.15	ug/ml	95
22) Nitrobenzene	5.436	77	2459865	94.38	ug/ml	97
23) Isophorone	5.676	82	4520656m	94.39	ug/ml	
24) 2-Nitrophenol	5.735	139	1277524	115.04	ug/ml	97
25) 2,4-Dimethylphenol	5.821	122	1934983	99.26	ug/ml	99
26) bis(2-Chloroethoxy)met...	5.874	93	2525016	96.31	ug/ml	100
27) Benzoic Acid	6.061	105	1116577m	135.53	ug/ml	
28) 2,4-Dichlorophenol	6.024	162	1812719	110.31	ug/ml	99
29) 1,2,4-Trichlorobenzene	6.067	180	2095633	103.48	ug/ml	99
30) Naphthalene	6.163	128	6697331	99.49	ug/ml	100
31) 4-Chloroaniline	6.233	127	2374572	109.09	ug/ml	98
32) Hexachlorobutadiene	6.302	225	1323992	103.47	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13338.D
Acq On : 23 Sep 2009 1:22 pm
Operator : sheilac
Sample : ic615-100
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 23 14:31:42 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 13:16:53 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
33) 4-Chloro-3-methylphenol	6.874	107	2026122	108.70 ug/ml	100
34) 2-Methylnaphthalene	7.019	142	4165107	102.22 ug/ml	100
35) 1-Methylnaphthalene	7.163	142	4360809	102.21 ug/ml	100
37) Hexachlorocyclopentadiene	7.243	237	676952	184.93 ug/ml	100
38) 2,4,6-Trichlorophenol	7.457	196	1236425	106.41 ug/ml	99
39) 2,4,5-Trichlorophenol	7.543	196	1422460	115.19 ug/ml	99
41) 2-Chloronaphthalene	7.736	162	3944428	99.50 ug/ml	100
42) 2-Nitroaniline	7.933	65	1259120	92.21 ug/ml	98
43) Dimethylphthalate	8.276	163	4532188	92.59 ug/ml	100
44) Acenaphthylene	8.415	152	6430718	94.03 ug/ml	100
45) 2,6-Dinitrotoluene	8.361	165	1103879	98.77 ug/ml	97
46) 3-Nitroaniline	8.656	138	1012309	113.28 ug/ml	96
47) Acenaphthene	8.720	154	3855974	96.74 ug/ml	100
48) 2,4-Dinitrophenol	8.832	184	412735	219.26 ug/ml	95
49) 4-Nitrophenol	9.110	65	666392m	118.49 ug/ml	
50) Dibenzofuran	9.019	168	5588416	99.03 ug/ml	100
51) 2,4-Dinitrotoluene	9.067	165	1316685	96.72 ug/ml	84
52) 2,3,4,6-Tetrachlorophenol	9.287	232	1049502	113.59 ug/ml	98
53) Diethylphthalate	9.538	149	4800558	95.44 ug/ml	100
54) Fluorene	9.650	166	5021357	103.19 ug/ml	100
55) 4-Chlorophenyl-phenyle...	9.661	204	2585640	110.49 ug/ml	96
56) 4-Nitroaniline	9.827	138	879310m	116.71 ug/ml	
58) 1,2-Diphenylhydrazine	9.971	77	5276014	106.84 ug/ml	99
59) 4,6-Dinitro-2-methylph...	9.864	198	653734	99.33 ug/ml	93
60) Diphenylamine	9.934	169	3783863	104.15 ug/ml	98
61) n-Nitrosodiphenylamine	9.934	169	3783863	104.15 ug/ml	98
63) 4-Bromophenyl-phenylether	10.592	248	1291235	105.37 ug/ml	99
64) Hexachlorobenzene	10.725	284	1384001	102.13 ug/ml	98
65) Pentachlorophenol	11.148	266	559890	138.85 ug/ml	97
66) Phenanthrene	11.512	178	5978928	101.64 ug/ml	100
67) Anthracene	11.613	178	5766161	101.94 ug/ml	99
68) Carbazole	11.982	167	4609994	101.43 ug/ml	99
69) Di-n-butylphthalate	12.785	149	7042542	97.86 ug/ml	100
70) Fluoranthene	13.951	202	5295633	97.25 ug/ml	99
72) Benzidine	14.288	184	1570551	150.82 ug/ml	100
73) Pyrene	14.416	202	5283007	94.25 ug/ml	100
75) Butylbenzylphthalate	15.898	149	2379700	92.92 ug/ml	98
76) Benzo(a)anthracene	16.957	228	4435422	98.32 ug/ml	99
77) 3,3'-Dichlorobenzidine	16.957	252	1267345	127.63 ug/ml	98
78) Chrysene	17.042	228	3567591m	91.47 ug/ml	
79) bis(2-Ethylhexyl)phtha...	17.160	149	3269116	94.49 ug/ml	99
81) Di-n-octylphthalate	18.449	149	4536280	114.39 ug/ml	100
82) Benzo(b)fluoranthene	19.091	252	3051122	112.35 ug/ml	99
83) Benzo(k)fluoranthene	19.144	252	2510236m	94.28 ug/ml	
84) Benzo(a)pyrene	19.674	252	2521059	105.32 ug/ml	99
85) Indeno(1,2,3-cd)pyrene	21.952	276	1945284	90.60 ug/ml	99
86) Dibenz(a,h)anthracene	21.984	278	1676636	95.90 ug/ml	100
87) Benzo(g,h,i)perylene	22.573	276	1360221	80.39 ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13338.D
Acq On : 23 Sep 2009 1:22 pm
Operator : sheilac
Sample : ic615-100
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 23 14:31:42 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 13:16:53 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

8.6.32

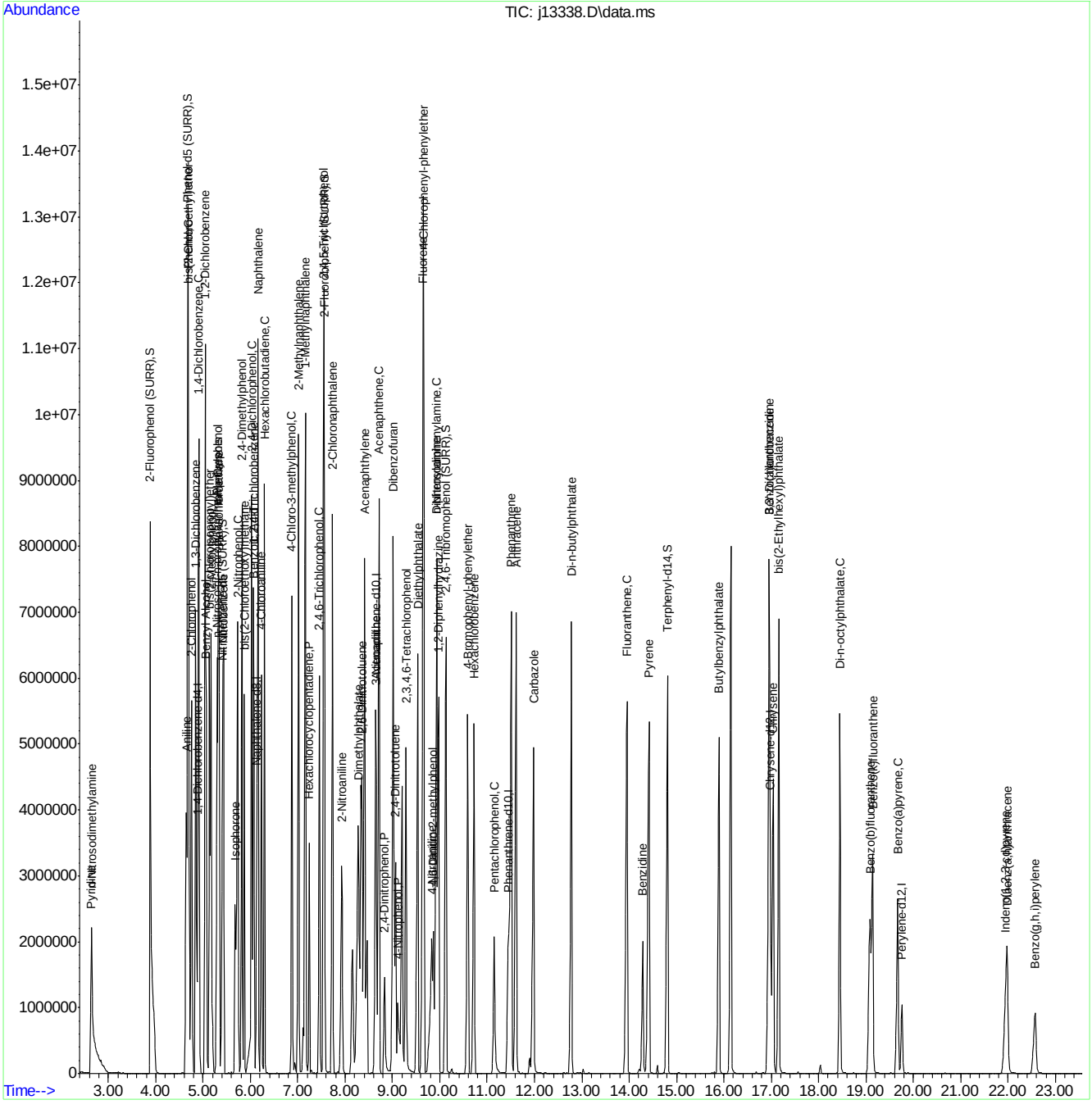
8

ACCUTEST Laboratories T39513

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13338.D
Acq On : 23 Sep 2009 1:22 pm
Operator : sheilac
Sample : ic615-100
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 23 14:31:42 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 13:16:53 2009
Response via : Initial Calibration

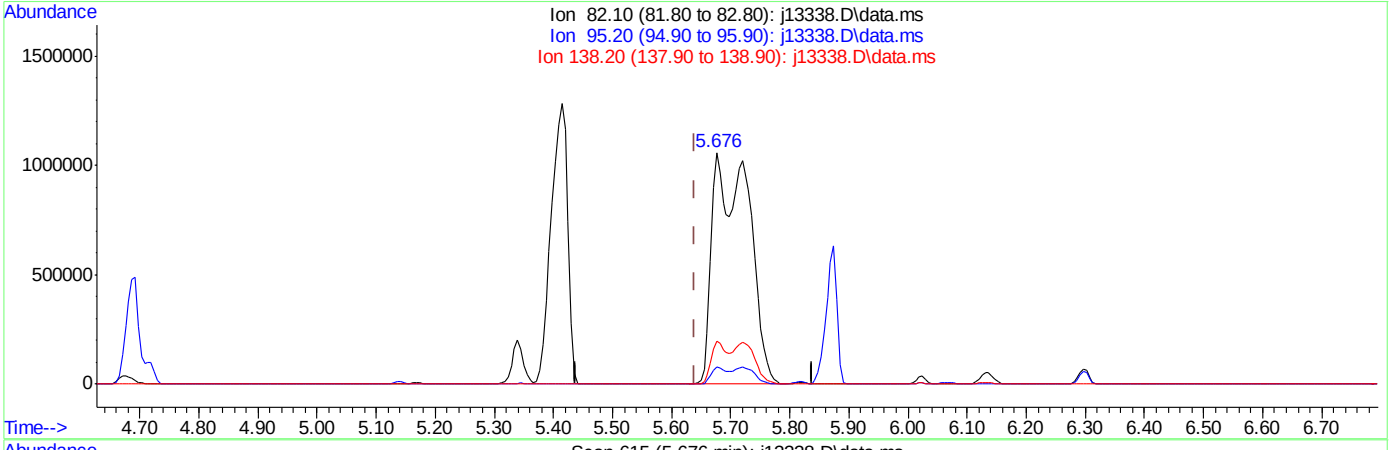


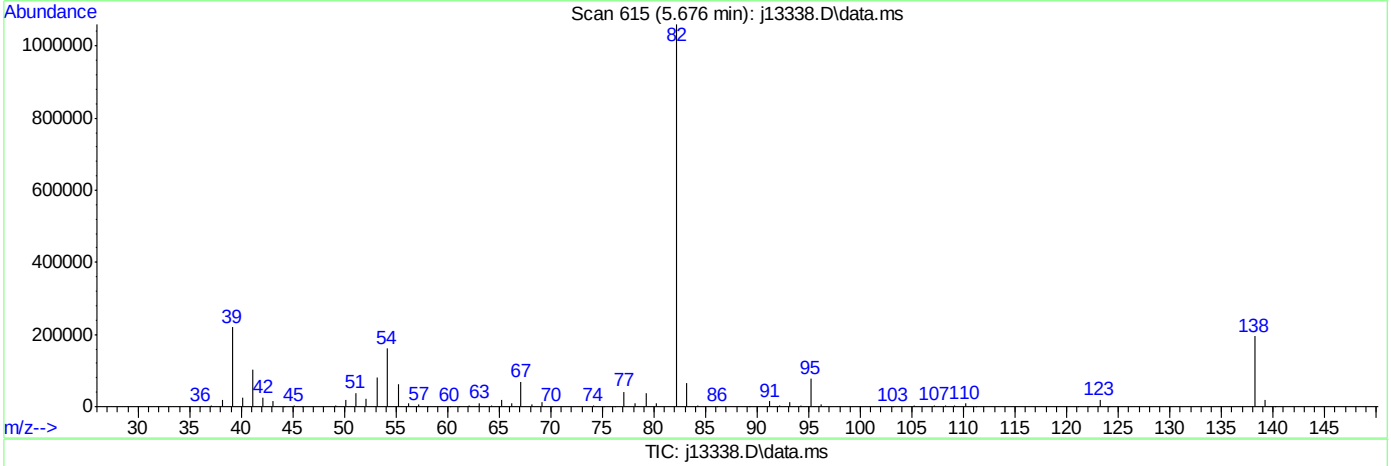
ACCUTEST Laboratories T39513

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13338.D
Acq On    : 23 Sep 2009   1:22 pm
Operator  : sheilac
Sample    : ic615-100
Misc      : op12949,Ej615,1000,,,1,1,water
ALS Vial  : 7   Sample Multiplier: 1

Quant Time: Sep 23 14:31:42 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :
QLast Update : Wed Sep 23 13:16:53 2009
Response via : Initial Calibration
```





TIC: j13338.D\data.ms

(23) Isophorone

5.676min (+0.037) 94.39ug/ml m

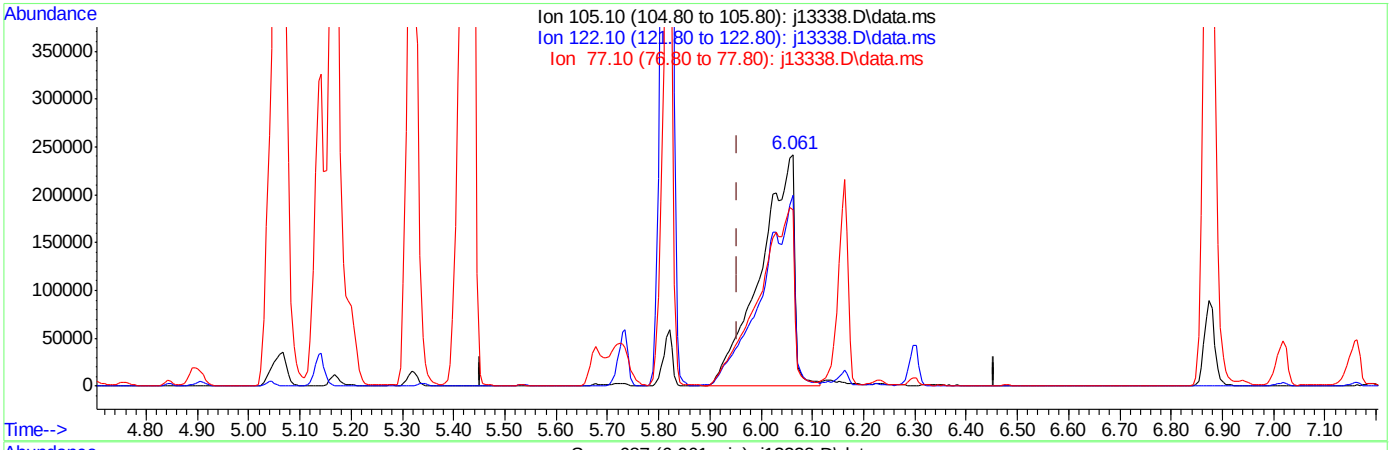
response 4520656

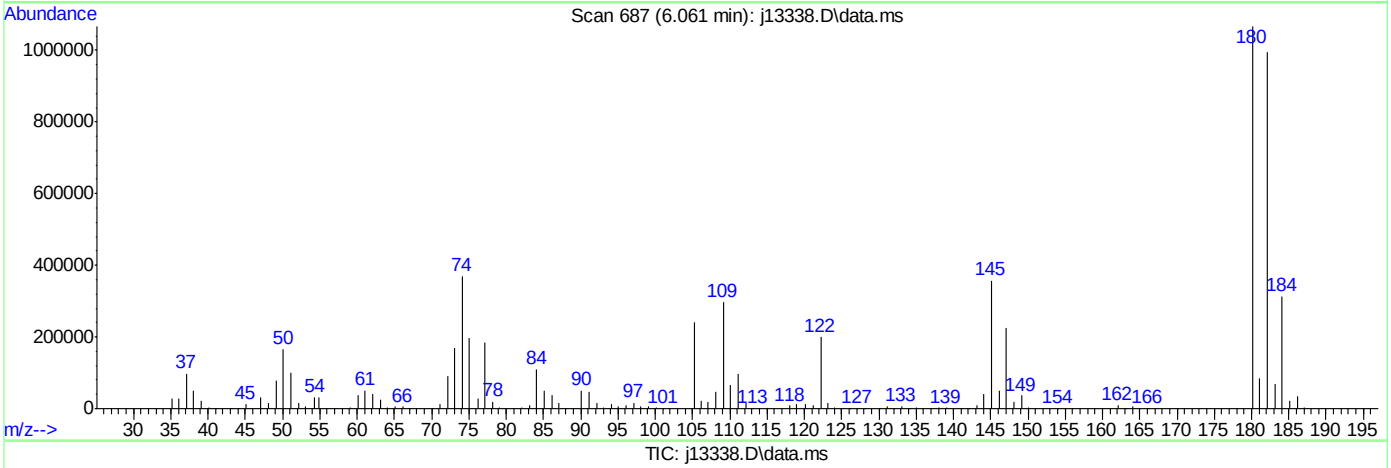
Ion	Exp%	Act%
82.10	100	100
95.20	7.30	3.21
138.20	18.50	8.03
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13338.D
Acq On    : 23 Sep 2009   1:22 pm
Operator  : sheilac
Sample    : ic615-100
Misc      : op12949,Ej615,1000,,,1,1,water
ALS Vial  : 7   Sample Multiplier: 1

Quant Time: Sep 23 14:31:42 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :
QLast Update : Wed Sep 23 13:16:53 2009
Response via : Initial Calibration
```





TIC: j13338.D\data.ms

(27) Benzoic Acid

6.061min (+0.107) 135.53ug/ml m

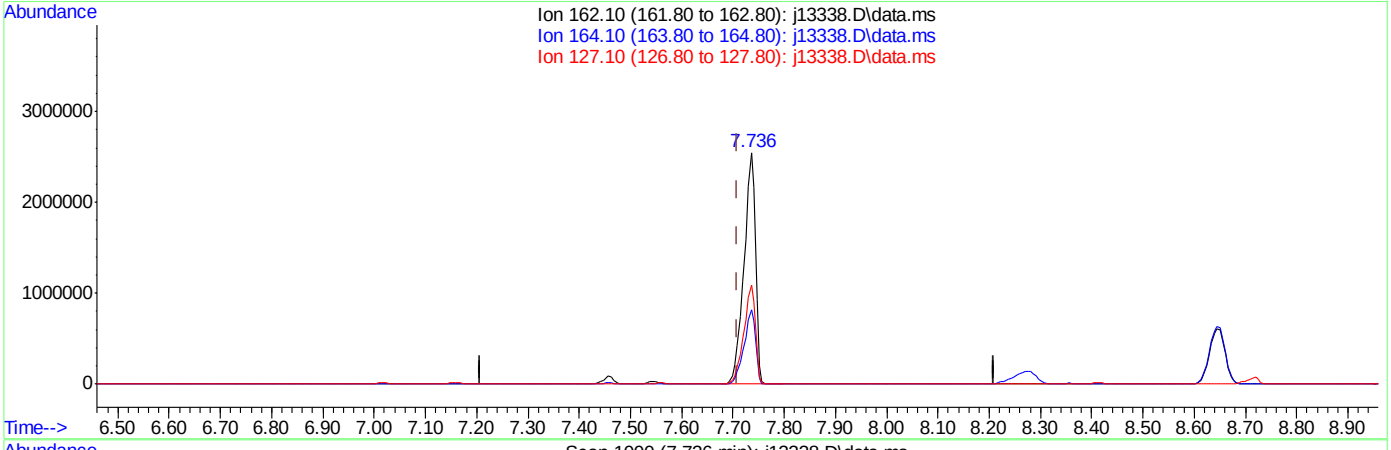
response 1116577

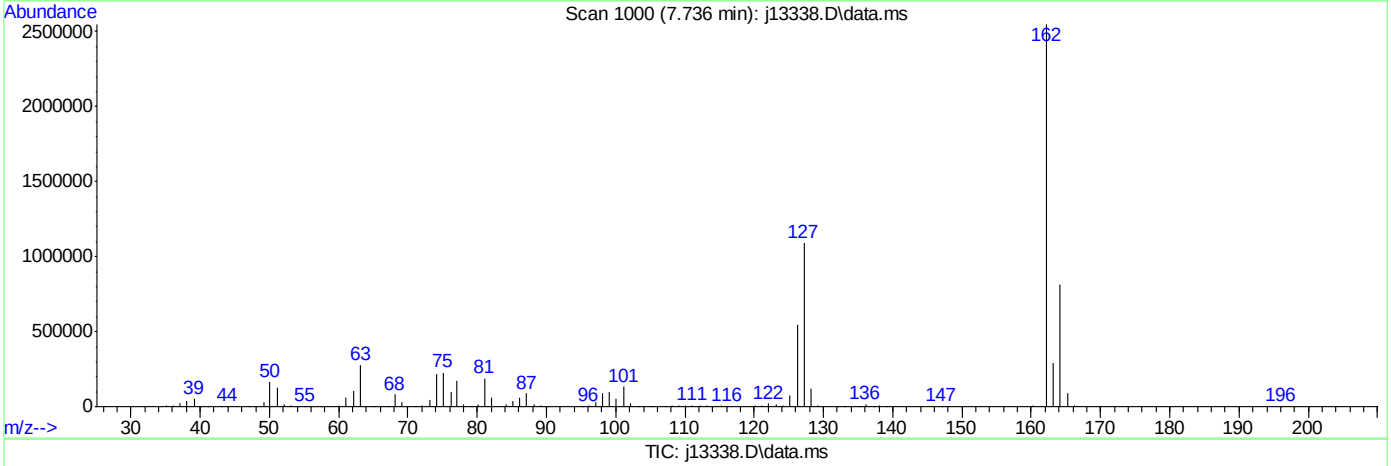
Ion	Exp%	Act%
105.10	100	100
122.10	75.20	53.58#
77.10	81.90	55.72#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13338.D
Acq On    : 23 Sep 2009   1:22 pm
Operator  : sheilac
Sample    : ic615-100
Misc      : op12949,Ej615,1000,,,1,1,water
ALS Vial  : 7   Sample Multiplier: 1

Quant Time: Sep 23 14:31:42 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :
QLast Update : Wed Sep 23 13:16:53 2009
Response via : Initial Calibration
```





TIC: j13338.D\data.ms

(41) 2-Chloronaphthalene

7.736min (+0.027) 99.50ug/ml

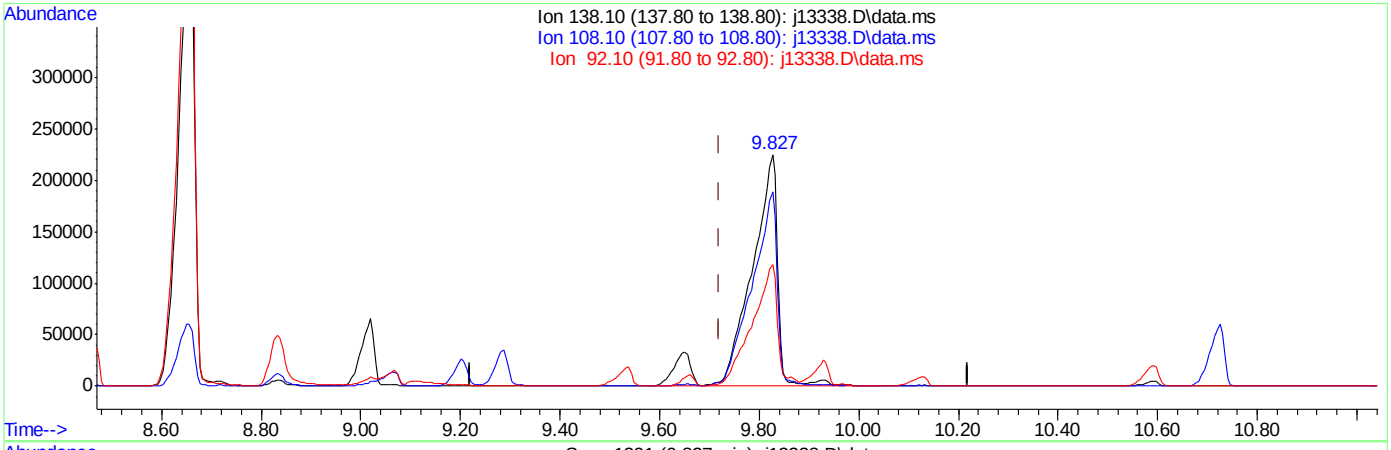
response 3944428

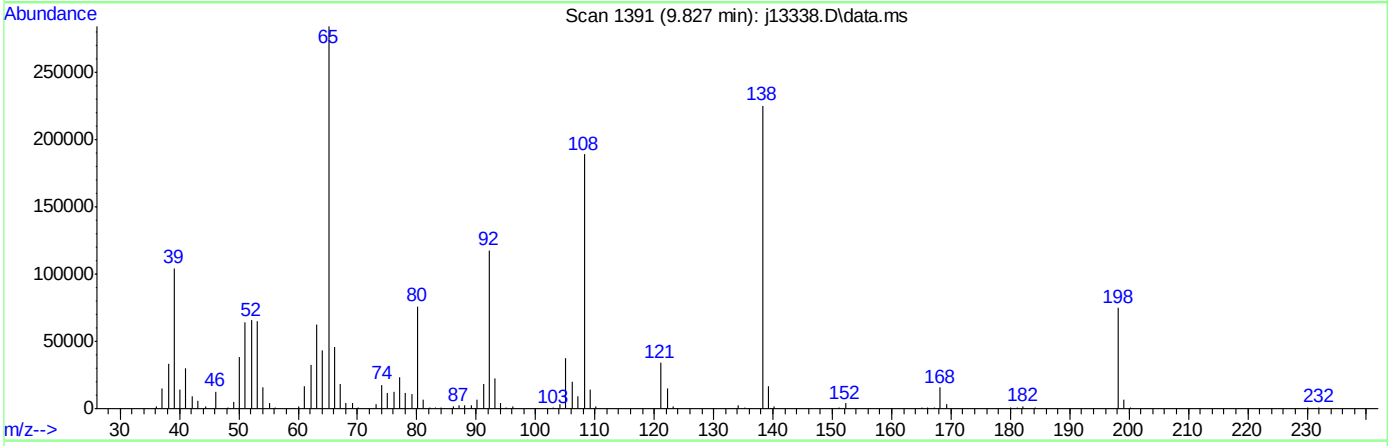
Ion	Exp%	Act%
162.10	100	100
164.10	32.20	32.10
127.10	42.60	42.92
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13338.D
Acq On    : 23 Sep 2009   1:22 pm
Operator  : sheilac
Sample    : ic615-100
Misc      : op12949,Ej615,1000,,,1,1,water
ALS Vial  : 7   Sample Multiplier: 1

Quant Time: Sep 23 14:31:42 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :
QLast Update : Wed Sep 23 13:16:53 2009
Response via : Initial Calibration
```





TIC: j13338.D\data.ms

(56) 4-Nitroaniline

9.827min (+0.107) 116.71ug/ml m

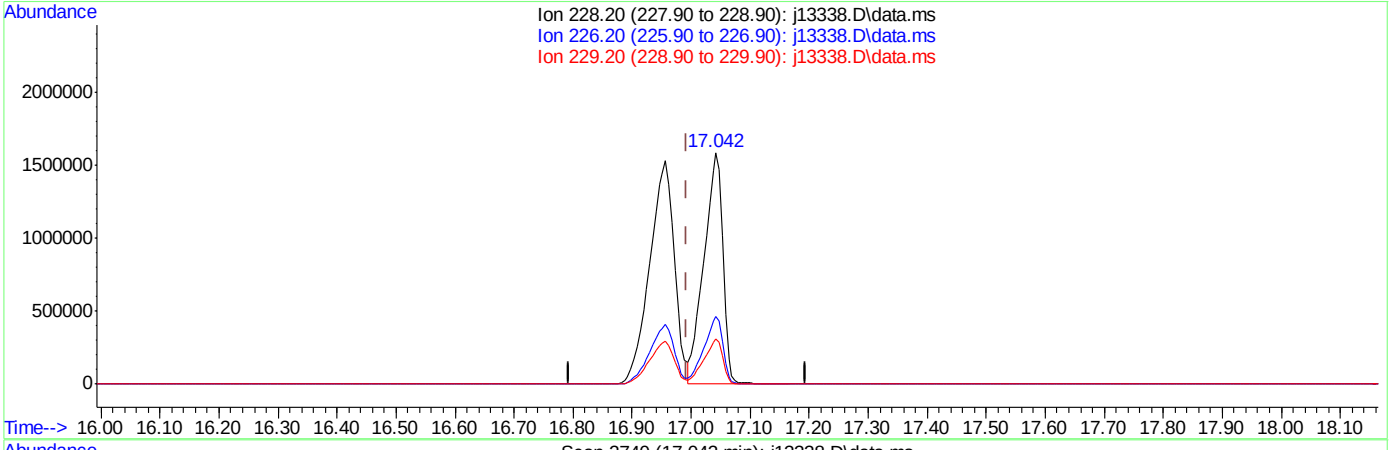
response 879310

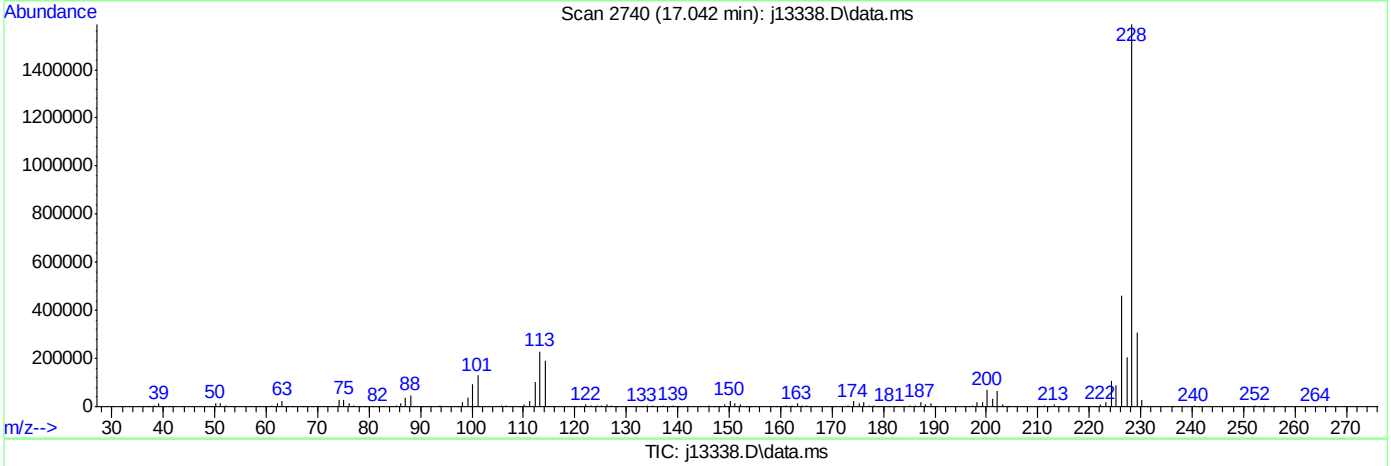
Ion	Exp%	Act%
138.10	100	100
108.10	87.60	75.04
92.10	53.80	48.35
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13338.D
Acq On : 23 Sep 2009 1:22 pm
Operator : sheilac
Sample : ic615-100
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 23 14:31:42 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 13:16:53 2009
Response via : Initial Calibration





TIC: j13338.D\data.ms

(78) Chrysene

17.042min (+0.048) 91.47ug/ml m

response 3567591

Ion	Exp%	Act%
228.20	100	100
226.20	29.20	33.25
229.20	19.70	24.33
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13338.D
Acq On    : 23 Sep 2009   1:22 pm
Operator  : sheilac
Sample    : ic615-100
Misc      : op12949,Ej615,1000,,,1,1,water
ALS Vial  : 7   Sample Multiplier: 1

Quant Time: Sep 23 14:31:42 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :
QLast Update : Wed Sep 23 13:16:53 2009
Response via : Initial Calibration
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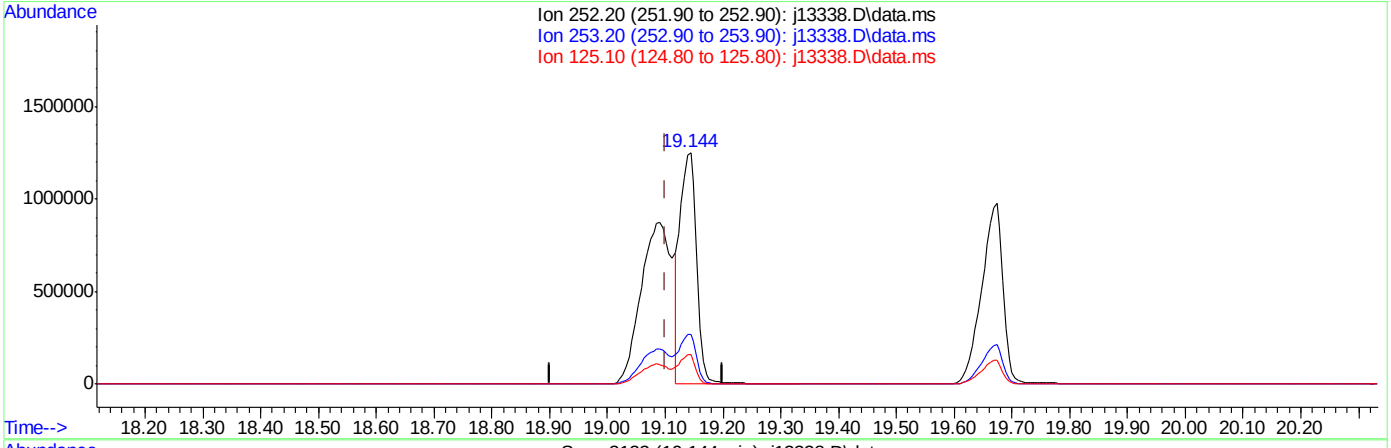
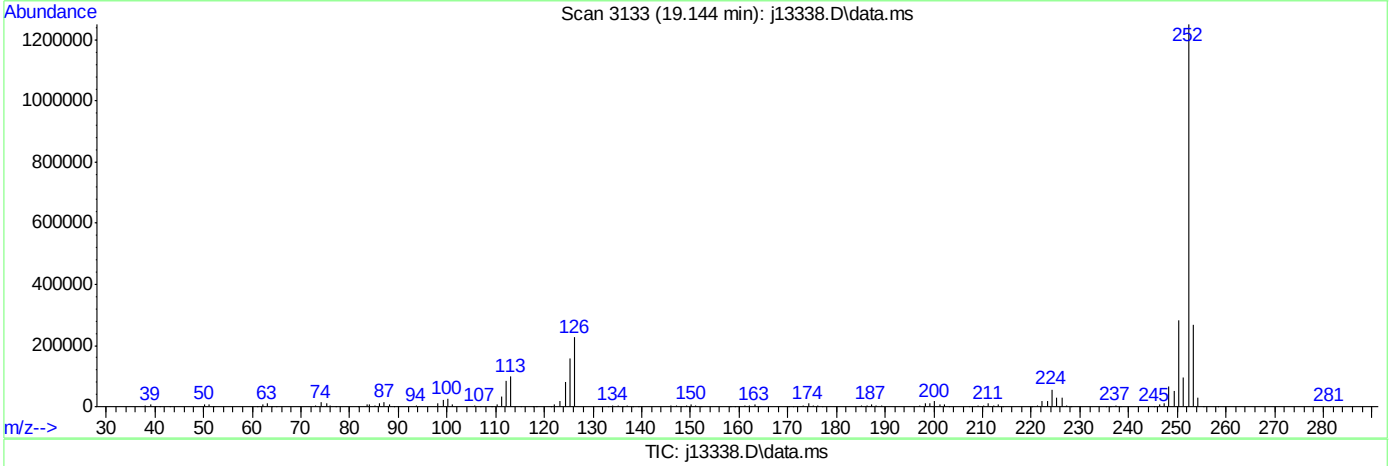




TIC: j13338.D\data.ms

(83) Benzo(k)fluoranthene

19.144min (+0.043) 94.28ug/ml m

response 2510236

Ion	Exp%	Act%
252.20	100	100
253.20	22.10	26.74
125.10	11.90	14.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
09/28/09 13:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13339.D
Acq On : 23 Sep 2009 1:52 pm
Operator : sheilac
Sample : ic615-125
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 23 14:39:44 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 13:54:24 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.890	152	585383	40.00	ug/ml	0.00
20) Naphthalene-d8	6.136	136	2197556	40.00	ug/ml	0.00
36) Acenaphthene-d10	8.650	164	1270566	40.00	ug/ml	0.00
57) Phenanthrene-d10	11.453	188	1807408	40.00	ug/ml	0.00
71) Chrysene-d12	16.983	240	1521064	40.00	ug/ml	0.00
80) Perylene-d12	19.765	264	740179	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.879	112	4409261	225.92	ug/ml	0.00
Spiked Amount 100.000	Range 23 - 110		Recovery	=	225.92%#	
5) Phenol-d5 (SURR)	4.676	99	5212509	213.46	ug/ml	0.00
Spiked Amount 100.000	Range 23 - 114		Recovery	=	213.46%#	
21) Nitrobenzene-d5 (SURR)	5.419	82	2797192	115.24	ug/ml	0.00
Spiked Amount 50.000	Range 36 - 126		Recovery	=	230.48%#	
40) 2-Fluorobiphenyl (SURR)	7.570	172	6418422	124.45	ug/ml	0.01
Spiked Amount 50.000	Range 34 - 132		Recovery	=	248.90%#	
62) 2,4,6-Tribromophenol (...	10.142	330	1883746	308.35	ug/ml	0.01
Spiked Amount 100.000	Range 33 - 138		Recovery	=	308.35%#	
74) Terphenyl-d14	14.817	244	4531611	121.28	ug/ml	0.01
Spiked Amount 50.000	Range 46 - 136		Recovery	=	242.56%#	
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.649	74	1149377	108.92	ug/ml	98
3) Pyridine	2.633	79	2081159m	111.98	ug/ml	
6) Phenol	4.692	94	2785905	105.44	ug/ml	95
7) Aniline	4.644	93	2984688	113.31	ug/ml	98
8) bis(2-Chloroethyl)ether	4.687	93	2850787	110.53	ug/ml	90
9) 2-Chlorophenol	4.756	128	2349467	115.79	ug/ml	98
10) 1,3-Dichlorobenzene	4.842	146	2641174	114.84	ug/ml	98
11) 1,4-Dichlorobenzene	4.906	146	2854845	116.40	ug/ml	99
12) Benzyl Alcohol	5.072	108	1711365	122.36	ug/ml	98
13) 1,2-Dichlorobenzene	5.045	146	2754757	120.10	ug/ml	99
14) 2-Methylphenol	5.168	108	2182154	119.66	ug/ml	99
15) bis(2-chloroisopropyl)...	5.141	45	3457638	104.33	ug/ml	93
16) 4-Methylphenol	5.323	108	2500507	131.99	ug/ml	98
17) m+p-Cresols	5.323	108	2500507	131.99	ug/ml	98
18) n-Nitroso-di-n-propyla...	5.302	70	2129240	121.88	ug/ml	98
19) Hexachloroethane	5.339	117	1056894	117.69	ug/ml	91
22) Nitrobenzene	5.436	77	2726209	114.01	ug/ml	96
23) Isophorone	5.730	82	5091953m	115.88	ug/ml	
24) 2-Nitrophenol	5.735	139	1503939	142.66	ug/ml	94
25) 2,4-Dimethylphenol	5.826	122	2180346	120.92	ug/ml	99
26) bis(2-Chloroethoxy)met...	5.879	93	2817207	116.74	ug/ml	100
27) Benzoic Acid	6.077	105	1368372m	169.32	ug/ml	
28) 2,4-Dichlorophenol	6.029	162	2084896	134.68	ug/ml	99
29) 1,2,4-Trichlorobenzene	6.072	180	2385102	126.43	ug/ml	99
30) Naphthalene	6.168	128	7552352	121.24	ug/ml	99
31) 4-Chloroaniline	6.238	127	2754946	134.62	ug/ml	98
32) Hexachlorobutadiene	6.302	225	1478219	124.02	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13339.D
Acq On : 23 Sep 2009 1:52 pm
Operator : sheilac
Sample : ic615-125
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 23 14:39:44 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 13:54:24 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
33) 4-Chloro-3-methylphenol	6.880	107	2333812	133.26 ug/ml	99
34) 2-Methylnaphthalene	7.024	142	4720009	124.62 ug/ml	99
35) 1-Methylnaphthalene	7.168	142	4958699	125.03 ug/ml	100
37) Hexachlorocyclopentadiene	7.249	237	855974	218.89 ug/ml	99
38) 2,4,6-Trichlorophenol	7.463	196	1448963	131.85 ug/ml	99
39) 2,4,5-Trichlorophenol	7.548	196	1682622	142.02 ug/ml	99
41) 2-Chloronaphthalene	7.741	162	4554027	122.86 ug/ml	100
42) 2-Nitroaniline	7.944	65	1432831	113.61 ug/ml	96
43) Dimethylphthalate	8.286	163	5202999	115.01 ug/ml	100
44) Acenaphthylene	8.420	152	7463277	117.79 ug/ml	100
45) 2,6-Dinitrotoluene	8.372	165	1350009	129.35 ug/ml	97
46) 3-Nitroaniline	8.671	138	1154785	135.10 ug/ml	95
47) Acenaphthene	8.725	154	4465679	120.38 ug/ml	100
48) 2,4-Dinitrophenol	8.848	184	517414	245.02 ug/ml	94
49) 4-Nitrophenol	9.110	65	713297m	136.06 ug/ml	
50) Dibenzofuran	9.024	168	6506890	123.42 ug/ml	100
51) 2,4-Dinitrotoluene	9.078	165	1510372	119.21 ug/ml	86
52) 2,3,4,6-Tetrachlorophenol	9.292	232	1242751	140.55 ug/ml	98
53) Diethylphthalate	9.554	149	5565600	119.14 ug/ml	99
54) Fluorene	9.656	166	5785714	126.38 ug/ml	100
55) 4-Chlorophenyl-phenyle...	9.672	204	3055555	137.13 ug/ml	94
56) 4-Nitroaniline	9.854	138	961115m	135.71 ug/ml	
58) 1,2-Diphenylhydrazine	9.982	77	6034221	126.54 ug/ml	100
59) 4,6-Dinitro-2-methylph...	9.880	198	796818	125.68 ug/ml	91
60) Diphenylamine	9.944	169	4513504	129.22 ug/ml	98
61) n-Nitrosodiphenylamine	9.944	169	4513504	129.22 ug/ml	98
63) 4-Bromophenyl-phenylether	10.597	248	1522169	128.94 ug/ml	98
64) Hexachlorobenzene	10.736	284	1625789	125.21 ug/ml	98
65) Pentachlorophenol	11.153	266	684175	164.90 ug/ml	98
66) Phenanthrene	11.517	178	6987134	124.07 ug/ml	100
67) Anthracene	11.624	178	6779599	125.13 ug/ml	100
68) Carbazole	11.988	167	5455544	125.41 ug/ml	100
69) Di-n-butylphthalate	12.790	149	8294083	121.14 ug/ml	100
70) Fluoranthene	13.961	202	6273920	121.23 ug/ml	100
72) Benzidine	14.298	184	2026372	194.50 ug/ml	100
73) Pyrene	14.421	202	6309398	113.59 ug/ml	100
75) Butylbenzylphthalate	15.903	149	2821959	111.45 ug/ml	97
76) Benzo(a)anthracene	16.962	228	5268693	117.06 ug/ml	99
77) 3,3'-Dichlorobenzidine	16.967	252	1652656	159.03 ug/ml	98
78) Chrysene	17.053	228	4151967	107.94 ug/ml	100
79) bis(2-Ethylhexyl)phtha...	17.165	149	3874897	112.99 ug/ml	99
81) Di-n-octylphthalate	18.459	149	5269490	143.78 ug/ml	100
82) Benzo(b)fluoranthene	19.096	252	3373105	134.83 ug/ml	100
83) Benzo(k)fluoranthene	19.149	252	2801070	117.68 ug/ml	99
84) Benzo(a)pyrene	19.679	252	2781130	127.59 ug/ml	100
85) Indeno(1,2,3-cd)pyrene	21.952	276	1893473	99.26 ug/ml	99
86) Dibenz(a,h)anthracene	21.990	278	1647338	105.11 ug/ml	100
87) Benzo(g,h,i)perylene	22.573	276	1258406	85.18 ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13339.D
Acq On : 23 Sep 2009 1:52 pm
Operator : sheilac
Sample : ic615-125
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 23 14:39:44 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 13:54:24 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

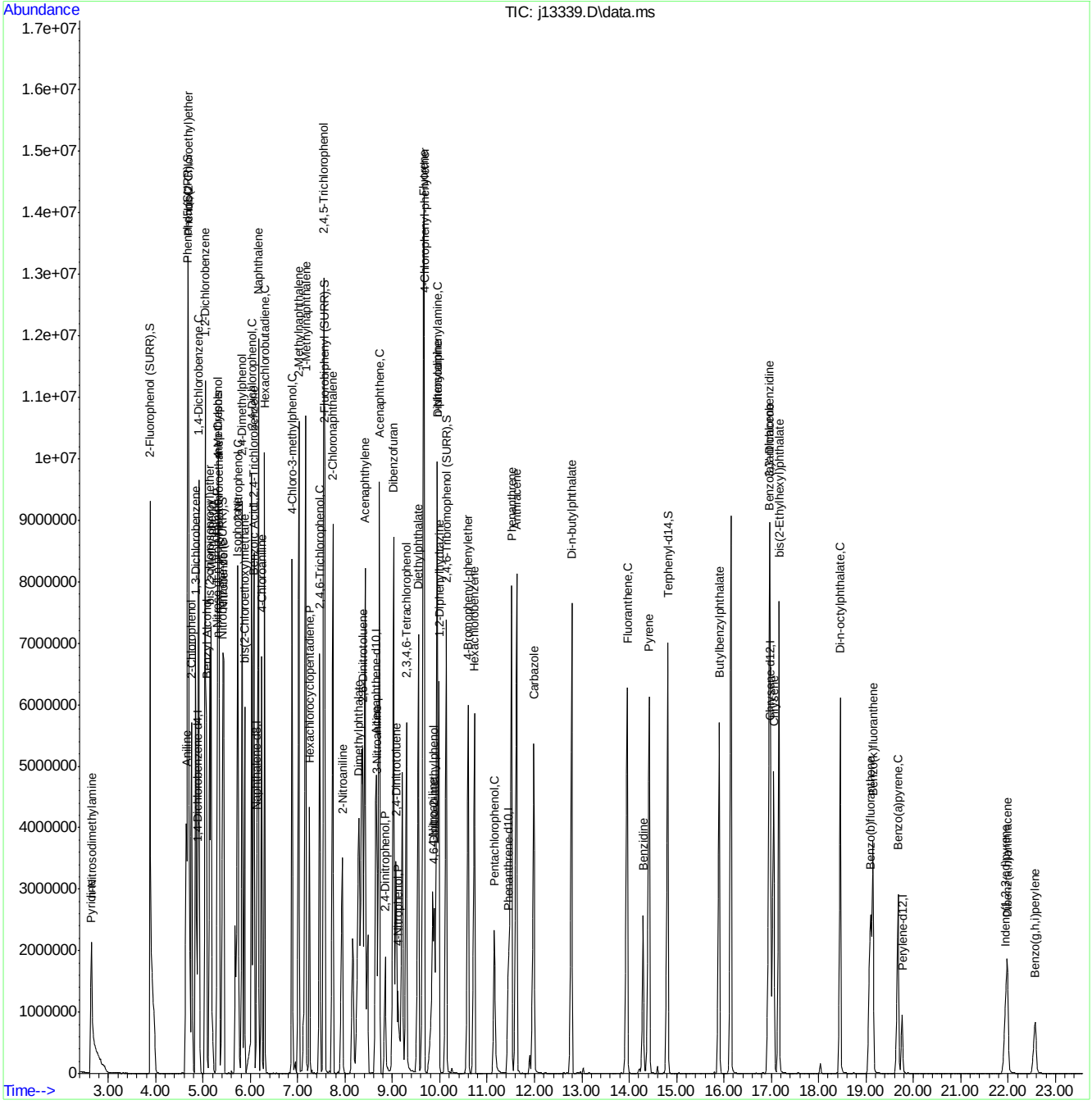
8.6.33

8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13339.D
Acq On : 23 Sep 2009 1:52 pm
Operator : sheilac
Sample : ic615-125
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 23 14:39:44 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 13:54:24 2009
Response via : Initial Calibration

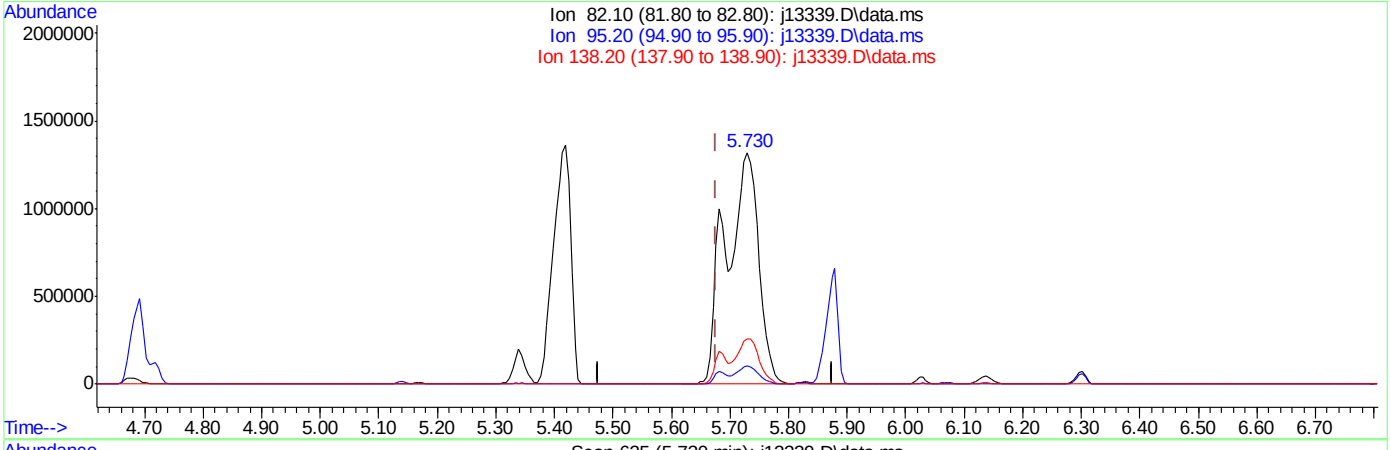


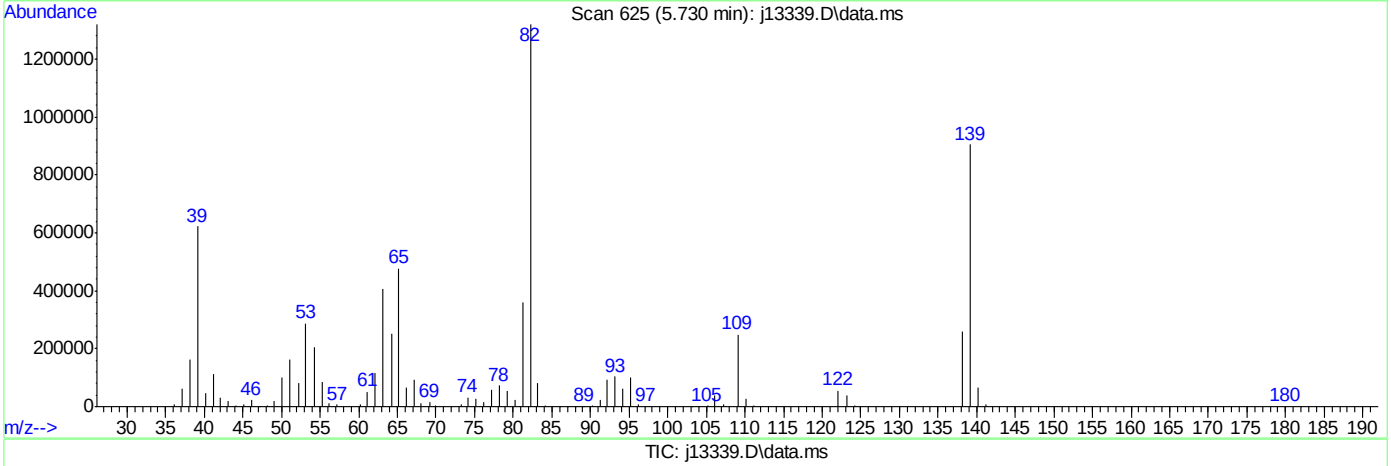
ACCUTEST Laboratories T39513

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13339.D
Acq On : 23 Sep 2009 1:52 pm
Operator : sheilac
Sample : ic615-125
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 23 14:39:44 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 13:54:24 2009
Response via : Initial Calibration





TIC: j13339.D\data.ms

(23) Isophorone

5.730min (+0.054) 115.88ug/ml m

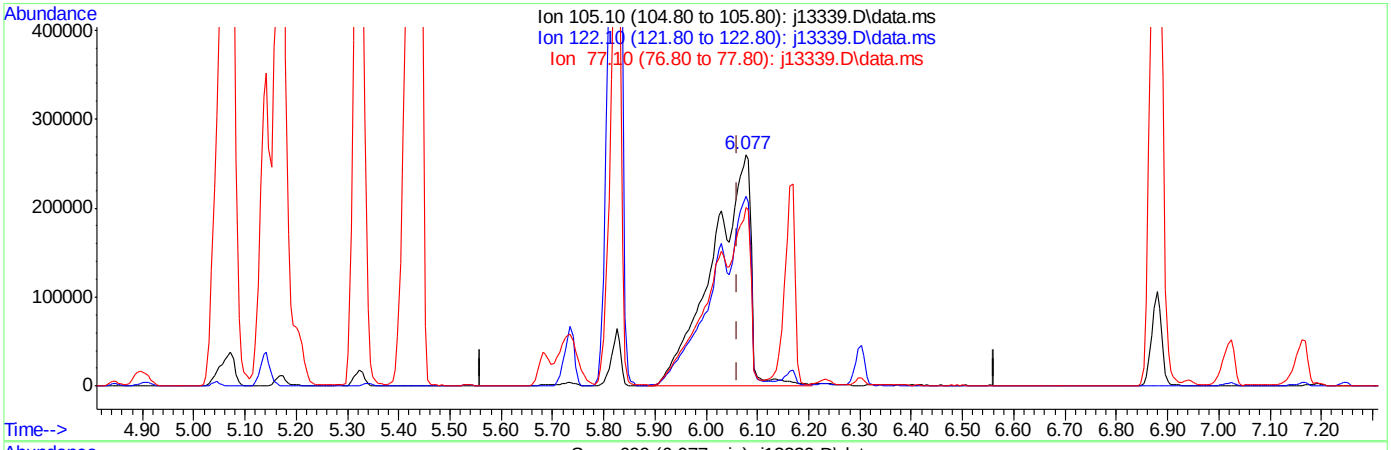
response 5091953

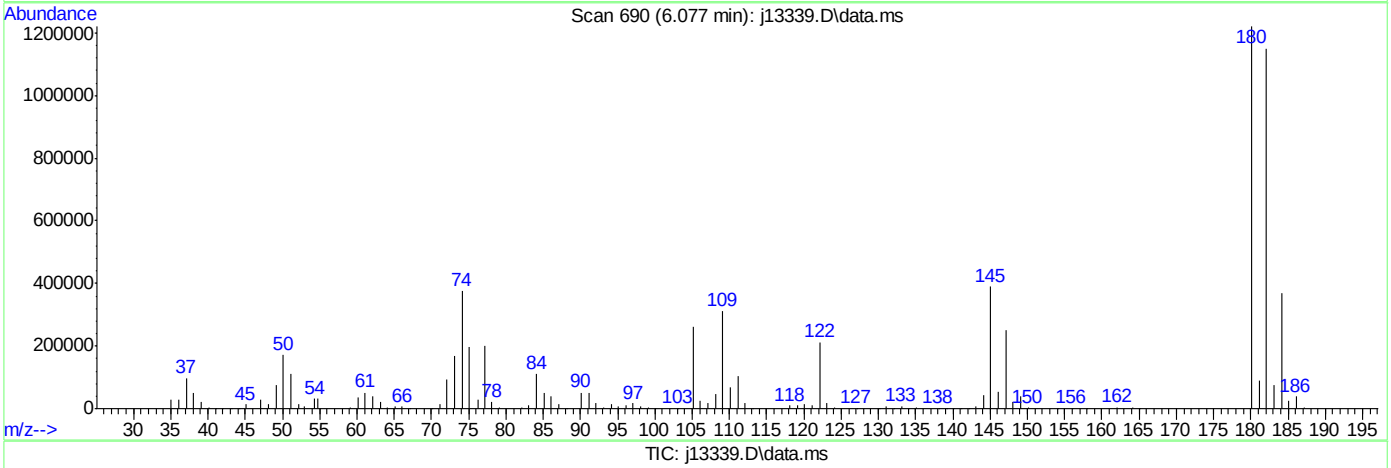
Ion	Exp%	Act%
82.10	100	100
95.20	7.30	2.51
138.20	18.50	5.46
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13339.D
Acq On : 23 Sep 2009 1:52 pm
Operator : sheilac
Sample : ic615-125
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 23 14:39:44 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 13:54:24 2009
Response via : Initial Calibration





TIC: j13339.D\data.ms

(27) Benzoic Acid

6.077min (+0.016) 169.32ug/ml m

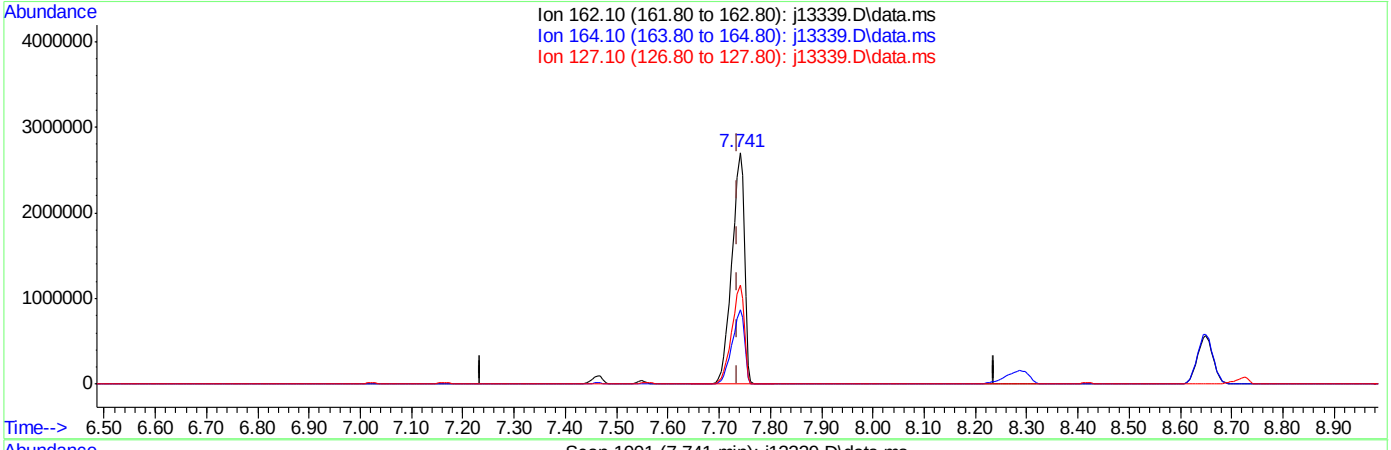
response 1368372

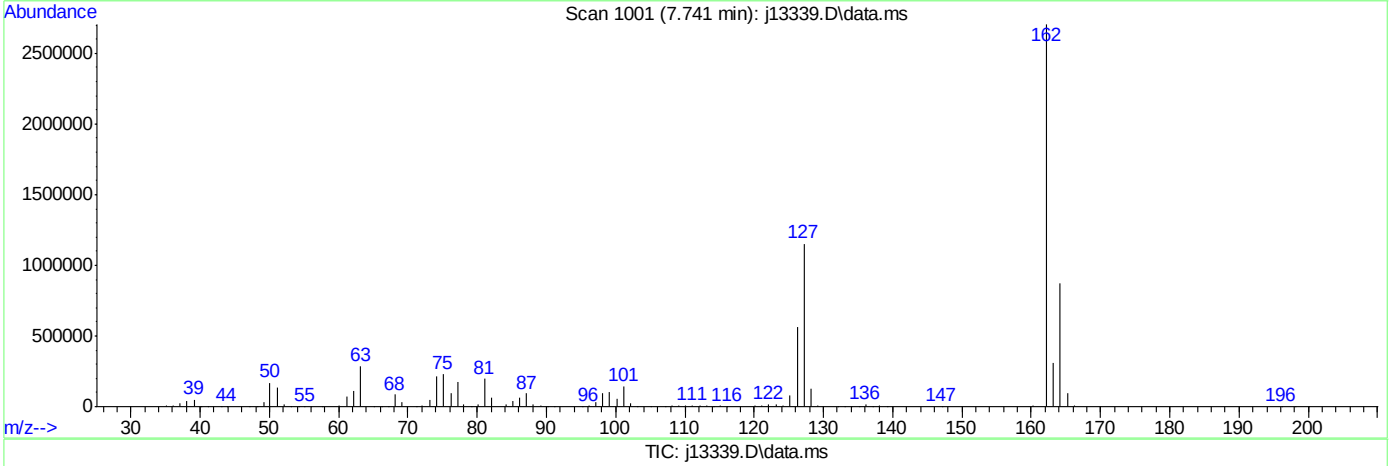
Ion	Exp%	Act%
105.10	100	100
122.10	75.20	34.58#
77.10	81.90	29.28#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13339.D
Acq On : 23 Sep 2009 1:52 pm
Operator : sheilac
Sample : ic615-125
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 23 14:39:44 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 13:54:24 2009
Response via : Initial Calibration





TIC: j13339.D\data.ms

(41) 2-Chloronaphthalene

7.741min (+0.005) 122.86ug/ml

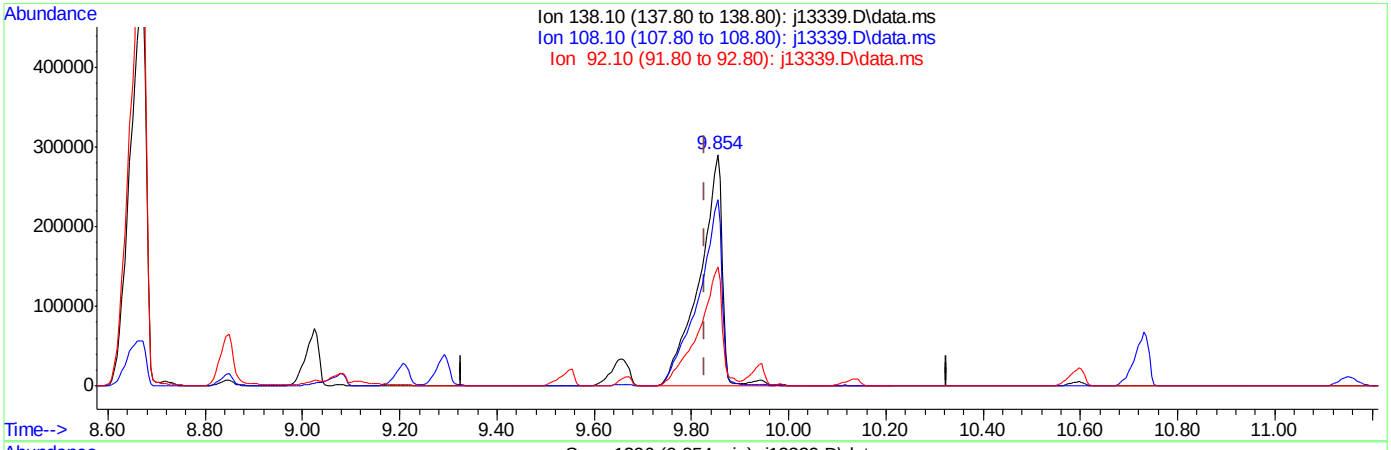
response 4554027

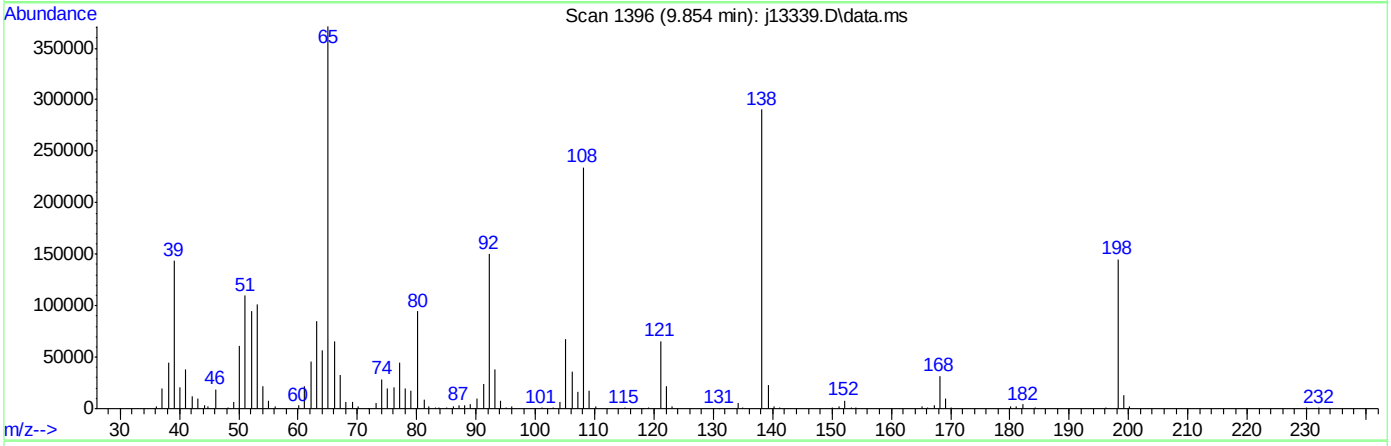
Ion	Exp%	Act%
162.10	100	100
164.10	32.20	32.17
127.10	42.60	42.70
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13339.D
Acq On : 23 Sep 2009 1:52 pm
Operator : sheilac
Sample : ic615-125
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 23 14:39:44 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 13:54:24 2009
Response via : Initial Calibration





(56) 4-Nitroaniline

9.854min (+0.027) 135.71ug/ml m

response 961115

Ion	Exp%	Act%
138.10	100	100
108.10	87.60	80.63
92.10	53.80	51.79
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
09/28/09 13:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13340.D
Acq On : 23 Sep 2009 2:21 pm
Operator : sheilac
Sample : icc615-50
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 23 14:43:49 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 14:43:40 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.885	152	461236	40.00	ug/ml	0.00
20) Naphthalene-d8	6.126	136	1686287	40.00	ug/ml	0.00
36) Acenaphthene-d10	8.629	164	946091	40.00	ug/ml	0.00
57) Phenanthrene-d10	11.431	188	1359018	40.00	ug/ml	0.00
71) Chrysene-d12	16.951	240	856385	40.00	ug/ml	0.00
80) Perylene-d12	19.743	264	501153	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.884	112	1558957	105.73	ug/ml	0.00
Spiked Amount 100.000	Range 23 - 110		Recovery = 105.73%			
5) Phenol-d5 (SURR)	4.660	99	2023930	109.92	ug/ml	0.00
Spiked Amount 100.000	Range 23 - 114		Recovery = 109.92%			
21) Nitrobenzene-d5 (SURR)	5.393	82	940895	52.38	ug/ml	0.00
Spiked Amount 50.000	Range 36 - 126		Recovery = 104.76%			
40) 2-Fluorobiphenyl (SURR)	7.543	172	1971856	52.66	ug/ml	0.00
Spiked Amount 50.000	Range 34 - 132		Recovery = 105.32%			
62) 2,4,6-Tribromophenol (...	10.094	330	481903	92.30	ug/ml	0.00
Spiked Amount 100.000	Range 33 - 138		Recovery = 92.30%			
74) Terphenyl-d14	14.785	244	1196072	57.46	ug/ml	0.00
Spiked Amount 50.000	Range 46 - 136		Recovery = 114.92%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.644	74	404135	51.41	ug/ml	100
3) Pyridine	2.628	79	756386m	54.44	ug/ml	
6) Phenol	4.671	94	1097489	55.12	ug/ml	97
7) Aniline	4.633	93	1112956	54.92	ug/ml	100
8) bis(2-Chloroethyl)ether	4.676	93	1008150	52.01	ug/ml	99
9) 2-Chlorophenol	4.746	128	808970	52.33	ug/ml	99
10) 1,3-Dichlorobenzene	4.837	146	919693	52.53	ug/ml	98
11) 1,4-Dichlorobenzene	4.901	146	978333	52.23	ug/ml	100
12) Benzyl Alcohol	5.040	108	576781	53.62	ug/ml	99
13) 1,2-Dichlorobenzene	5.034	146	934973	53.13	ug/ml	100
14) 2-Methylphenol	5.157	108	715697	51.33	ug/ml	99
15) bis(2-chloroisopropyl)...	5.131	45	1247327	50.49	ug/ml	98
16) 4-Methylphenol	5.302	108	749225	50.82	ug/ml	100
17) m+p-Cresols	5.302	108	749225	50.82	ug/ml	100
18) n-Nitroso-di-n-propyla...	5.270	70	681414	50.93	ug/ml	99
19) Hexachloroethane	5.334	117	361101	52.66	ug/ml	99
22) Nitrobenzene	5.414	77	918307	52.06	ug/ml	99
23) Isophorone	5.650	82	1657403	51.10	ug/ml	100
24) 2-Nitrophenol	5.719	139	420875	51.96	ug/ml	99
25) 2,4-Dimethylphenol	5.794	122	737762	54.96	ug/ml	99
26) bis(2-Chloroethoxy)met...	5.853	93	920486	51.60	ug/ml	100
27) Benzoic Acid	5.997	105	408391	52.32	ug/ml	98
28) 2,4-Dichlorophenol	6.008	162	618763	52.49	ug/ml	99
29) 1,2,4-Trichlorobenzene	6.061	180	747748	52.69	ug/ml	100
30) Naphthalene	6.147	128	2459992	52.83	ug/ml	100
31) 4-Chloroaniline	6.216	127	862670	51.04	ug/ml	99
32) Hexachlorobutadiene	6.291	225	464561	52.06	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13340.D
Acq On : 23 Sep 2009 2:21 pm
Operator : sheilac
Sample : icc615-50
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 23 14:43:49 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 14:43:40 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
33) 4-Chloro-3-methylphenol	6.864	107	700084	52.60 ug/ml	100
34) 2-Methylnaphthalene	7.008	142	1516238	53.19 ug/ml	100
35) 1-Methylnaphthalene	7.147	142	1586652	53.15 ug/ml	100
37) Hexachlorocyclopentadiene	7.238	237	246812	55.51 ug/ml	100
38) 2,4,6-Trichlorophenol	7.441	196	419453	52.25 ug/ml	100
39) 2,4,5-Trichlorophenol	7.532	196	457253	47.46 ug/ml	99
41) 2-Chloronaphthalene	7.719	162	1398043	52.04 ug/ml	100
42) 2-Nitroaniline	7.907	65	471184	52.08 ug/ml	99
43) Dimethylphthalate	8.233	163	1661437	51.33 ug/ml	100
44) Acenaphthylene	8.388	152	2382872	52.31 ug/ml	100
45) 2,6-Dinitrotoluene	8.313	165	387919	51.01 ug/ml	100
46) 3-Nitroaniline	8.613	138	348781	47.20 ug/ml	99
47) Acenaphthene	8.693	154	1391119	51.94 ug/ml	100
48) 2,4-Dinitrophenol	8.795	184	123145	51.92 ug/ml	95
49) 4-Nitrophenol	9.099	65	207433	44.32 ug/ml	98
50) Dibenzofuran	8.992	168	1998425	52.22 ug/ml	100
51) 2,4-Dinitrotoluene	9.019	165	481536	52.78 ug/ml#	74
52) 2,3,4,6-Tetrachlorophenol	9.265	232	355433	47.43 ug/ml	99
53) Diethylphthalate	9.490	149	1734419	51.59 ug/ml	100
54) Fluorene	9.618	166	1745709	52.30 ug/ml	100
55) 4-Chlorophenyl-phenyle...	9.634	204	842525	46.98 ug/ml	100
56) 4-Nitroaniline	9.741	138	284633	44.93 ug/ml	99
58) 1,2-Diphenylhydrazine	9.939	77	1776163	50.52 ug/ml	99
59) 4,6-Dinitro-2-methylph...	9.795	198	217020	48.93 ug/ml	96
60) Diphenylamine	9.886	169	1339354	51.73 ug/ml	100
61) n-Nitrosodiphenylamine	9.886	169	1339354	51.73 ug/ml	100
63) 4-Bromophenyl-phenylether	10.570	248	450275	51.57 ug/ml	100
64) Hexachlorobenzene	10.699	284	479983	50.41 ug/ml	99
65) Pentachlorophenol	11.132	266	161111	46.03 ug/ml	99
66) Phenanthrene	11.480	178	2105928	51.05 ug/ml	100
67) Anthracene	11.581	178	2022587	50.99 ug/ml	99
68) Carbazole	11.950	167	1621277	50.79 ug/ml	100
69) Di-n-butylphthalate	12.763	149	2444478	49.56 ug/ml	100
70) Fluoranthene	13.924	202	1814289	48.70 ug/ml	100
72) Benzidine	14.266	184	416528	52.20 ug/ml#	99
73) Pyrene	14.384	202	1804608	58.56 ug/ml	100
75) Butylbenzylphthalate	15.876	149	731555	53.60 ug/ml	100
76) Benzo(a)anthracene	16.924	228	1242635	50.67 ug/ml	100
77) 3,3'-Dichlorobenzidine	16.930	252	238525	46.22 ug/ml	98
78) Chrysene	17.005	228	1065718	51.53 ug/ml	100
79) bis(2-Ethylhexyl)phtha...	17.144	149	888769	48.71 ug/ml	100
81) Di-n-octylphthalate	18.427	149	1216864	45.71 ug/ml	100
82) Benzo(b)fluoranthene	19.053	252	850243	50.62 ug/ml	100
83) Benzo(k)fluoranthene	19.107	252	817969	52.68 ug/ml	99
84) Benzo(a)pyrene	19.642	252	734678	50.97 ug/ml	100
85) Indeno(1,2,3-cd)pyrene	21.925	276	659599	51.20 ug/ml	100
86) Dibenz(a,h)anthracene	21.952	278	543474	51.01 ug/ml	99
87) Benzo(g,h,i)perylene	22.541	276	509745	51.92 ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13340.D
Acq On : 23 Sep 2009 2:21 pm
Operator : sheilac
Sample : icc615-50
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 23 14:43:49 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 14:43:40 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

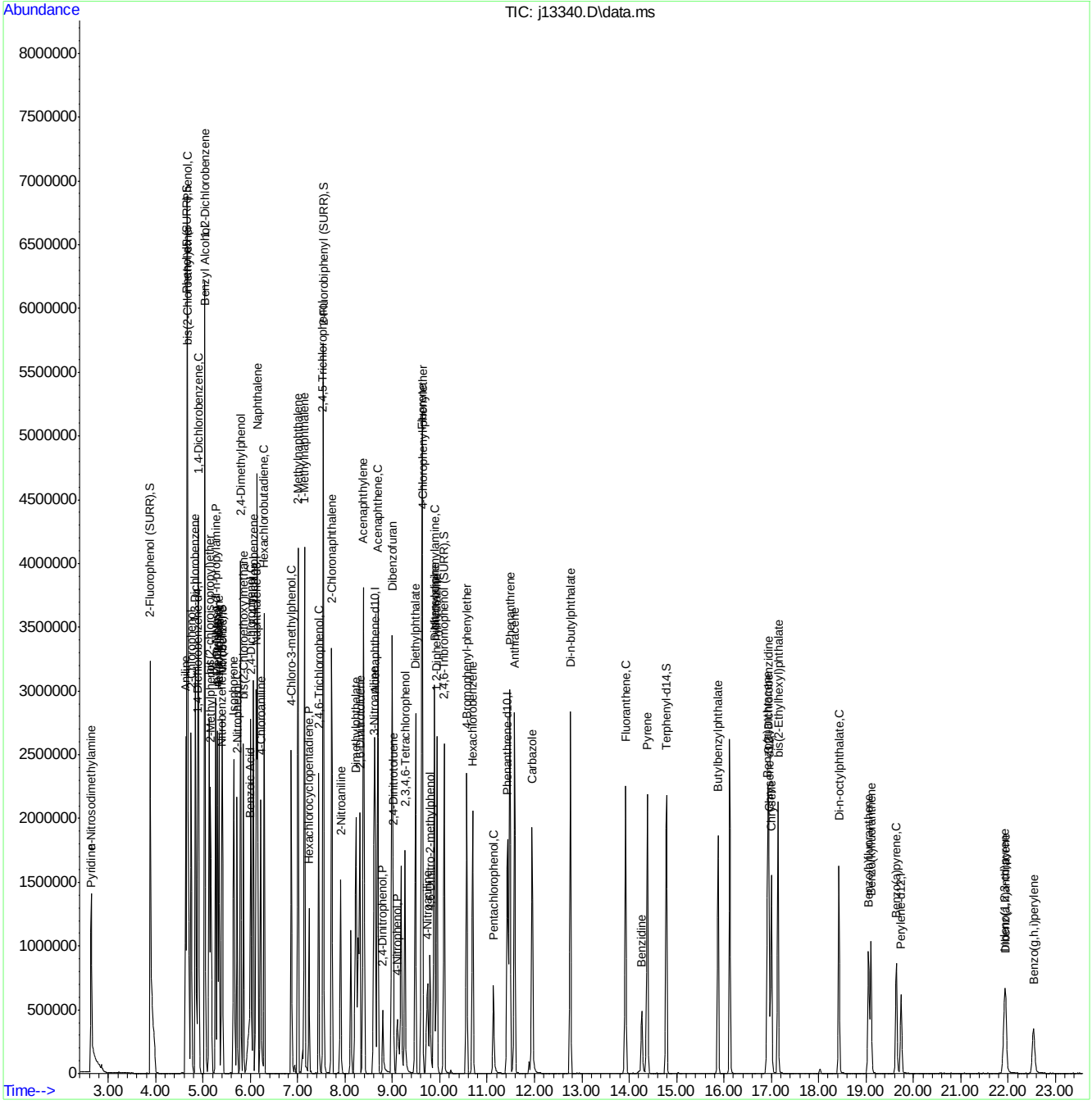
8.6.34

8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13340.D
Acq On : 23 Sep 2009 2:21 pm
Operator : sheilac
Sample : icc615-50
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 23 14:43:49 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 14:43:40 2009
Response via : Initial Calibration



Quantitation Report (Qedit)

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Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13340.D
Acq On    : 23 Sep 2009   2:21 pm
Operator  : sheilac
Sample    : icc615-50
Misc      : op12949,Ej615,1000,,,1,1,water
ALS Vial  : 9   Sample Multiplier: 1

Quant Time: Sep 23 14:43:49 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :
QLast Update : Wed Sep 23 14:43:40 2009
Response via : Initial Calibration
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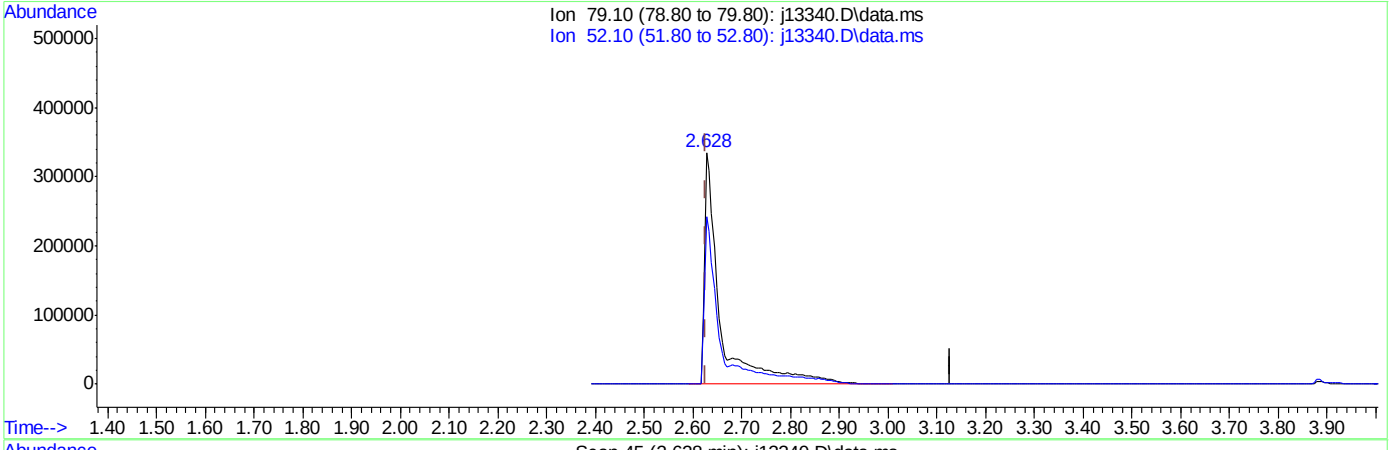
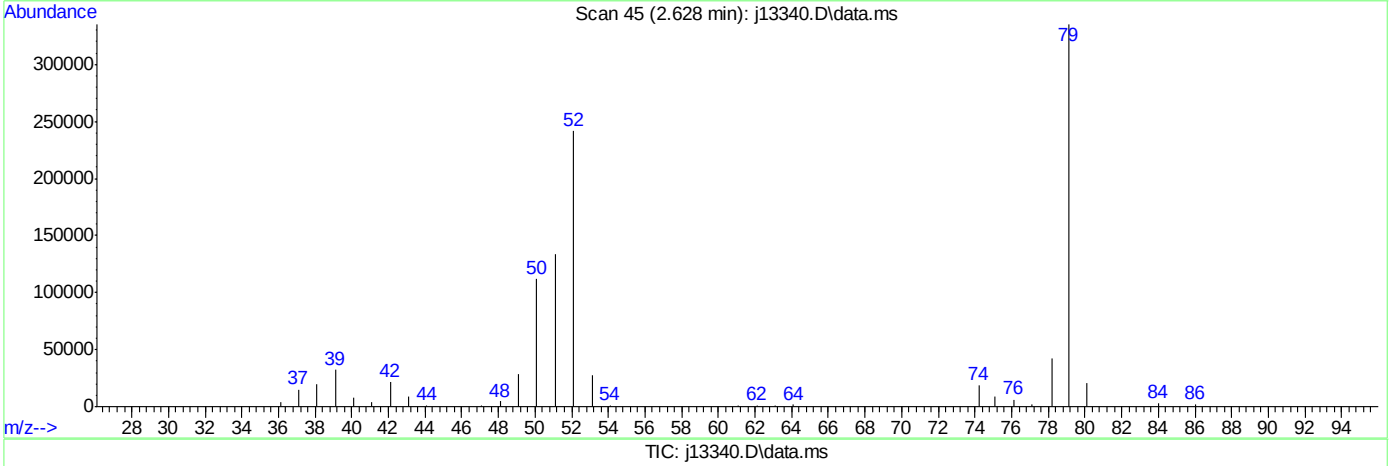




TIC: j13340.D\data.ms

(3) Pyridine

2.628min (0.000) 54.44ug/ml m

response 756386

Ion	Exp%	Act%
79.10	100	100
52.10	48.30	49.17
0.00	0.00	0.00
0.00	0.00	0.00

J13341.D

Manual Integrations APPROVED (compounds with "m" flag)

Richard Rodriguez 09/28/09 13:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13341.D
Acq On : 23 Sep 2009 2:51 pm
Operator : sheilac
Sample : ic615-75
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 23 15:13:41 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 14:44:31 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.885	152	374315	40.00	ug/ml	0.00
20) Naphthalene-d8	6.126	136	1353306	40.00	ug/ml	0.00
36) Acenaphthene-d10	8.629	164	751195	40.00	ug/ml	0.00
57) Phenanthrene-d10	11.431	188	1132175	40.00	ug/ml	0.00
71) Chrysene-d12	16.962	240	991058	40.00	ug/ml	0.01
80) Perylene-d12	19.754	264	638555	40.00	ug/ml	0.01
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.879	112	1894428	158.32	ug/ml	0.00
Spiked Amount 100.000	Range 23 - 110		Recovery	= 158.32%#		
5) Phenol-d5 (SURR)	4.660	99	2441450	163.39	ug/ml	0.00
Spiked Amount 100.000	Range 23 - 114		Recovery	= 163.39%#		
21) Nitrobenzene-d5 (SURR)	5.398	82	1134846	78.73	ug/ml	0.00
Spiked Amount 50.000	Range 36 - 126		Recovery	= 157.46%#		
40) 2-Fluorobiphenyl (SURR)	7.543	172	2390811	80.41	ug/ml	0.00
Spiked Amount 50.000	Range 34 - 132		Recovery	= 160.82%#		
62) 2,4,6-Tribromophenol (...	10.100	330	616122	136.25	ug/ml	0.00
Spiked Amount 100.000	Range 33 - 138		Recovery	= 136.25%		
74) Terphenyl-d14	14.796	244	1816247	75.39	ug/ml	0.01
Spiked Amount 50.000	Range 46 - 136		Recovery	= 150.78%#		
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.638	74	500333	78.42	ug/ml	99
3) Pyridine	2.617	79	928595m	82.36	ug/ml	
6) Phenol	4.671	94	1328119	82.20	ug/ml	99
7) Aniline	4.633	93	1292394	78.58	ug/ml	100
8) bis(2-Chloroethyl)ether	4.676	93	1282033	81.49	ug/ml	97
9) 2-Chlorophenol	4.746	128	973793	77.63	ug/ml	99
10) 1,3-Dichlorobenzene	4.837	146	1106973	77.91	ug/ml	99
11) 1,4-Dichlorobenzene	4.901	146	1170470	76.99	ug/ml	100
12) Benzyl Alcohol	5.040	108	701259	80.33	ug/ml	98
13) 1,2-Dichlorobenzene	5.034	146	1130967	79.20	ug/ml	100
14) 2-Methylphenol	5.157	108	867781	76.69	ug/ml	99
15) bis(2-chloroisopropyl)...	5.131	45	1519576	75.80	ug/ml	98
16) 4-Methylphenol	5.302	108	906062	75.72	ug/ml	100
17) m+p-Cresols	5.302	108	906062	75.72	ug/ml	100
18) n-Nitroso-di-n-propyla...	5.270	70	831565	76.58	ug/ml	100
19) Hexachloroethane	5.334	117	433972	77.98	ug/ml	98
22) Nitrobenzene	5.414	77	1111680	78.52	ug/ml	99
23) Isophorone	5.649	82	2020520	77.62	ug/ml	100
24) 2-Nitrophenol	5.719	139	502227	77.26	ug/ml	99
25) 2,4-Dimethylphenol	5.799	122	893161	82.91	ug/ml	100
26) bis(2-Chloroethoxy)met...	5.858	93	1122751	78.42	ug/ml	100
27) Benzoic Acid	6.003	105	448099	69.71	ug/ml	99
28) 2,4-Dichlorophenol	6.008	162	748994	79.16	ug/ml	99
29) 1,2,4-Trichlorobenzene	6.061	180	896398	78.70	ug/ml	100
30) Naphthalene	6.147	128	2971305	79.51	ug/ml	100
31) 4-Chloroaniline	6.216	127	1033722	75.23	ug/ml	98
32) Hexachlorobutadiene	6.291	225	562628	78.56	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13341.D
Acq On : 23 Sep 2009 2:51 pm
Operator : sheilac
Sample : ic615-75
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 23 15:13:41 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 14:44:31 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
33) 4-Chloro-3-methylphenol	6.864	107	861966	80.69 ug/ml	99
34) 2-Methylnaphthalene	7.008	142	1817192	79.44 ug/ml	100
35) 1-Methylnaphthalene	7.147	142	1898349	79.25 ug/ml	100
37) Hexachlorocyclopentadiene	7.238	237	273951	73.97 ug/ml	100
38) 2,4,6-Trichlorophenol	7.441	196	514099	80.68 ug/ml	100
39) 2,4,5-Trichlorophenol	7.532	196	566275	72.18 ug/ml	100
41) 2-Chloronaphthalene	7.719	162	1685874	79.04 ug/ml	100
42) 2-Nitroaniline	7.912	65	574646	80.00 ug/ml	99
43) Dimethylphthalate	8.238	163	2035622	79.21 ug/ml	100
44) Acenaphthylene	8.393	152	2901360	80.21 ug/ml	100
45) 2,6-Dinitrotoluene	8.318	165	479040	79.33 ug/ml	99
46) 3-Nitroaniline	8.618	138	430186	73.62 ug/ml	99
47) Acenaphthene	8.693	154	1684474	79.21 ug/ml	100
48) 2,4-Dinitrophenol	8.800	184	167022	78.52 ug/ml	96
49) 4-Nitrophenol	9.094	65	256890	69.21 ug/ml	99
50) Dibenzofuran	8.998	168	2437534	80.21 ug/ml	100
51) 2,4-Dinitrotoluene	9.030	165	600888	82.94 ug/ml#	75
52) 2,3,4,6-Tetrachlorophenol	9.265	232	435375	72.44 ug/ml	99
53) Diethylphthalate	9.495	149	2144555	80.34 ug/ml	100
54) Fluorene	9.624	166	2171737	81.94 ug/ml	100
55) 4-Chlorophenyl-phenyle...	9.640	204	1054776	72.84 ug/ml	100
56) 4-Nitroaniline	9.757	138	362431	72.61 ug/ml	99
58) 1,2-Diphenylhydrazine	9.944	77	2183261	74.54 ug/ml	99
59) 4,6-Dinitro-2-methylph...	9.805	198	289601	74.97 ug/ml	97
60) Diphenylamine	9.896	169	1649915	76.50 ug/ml	100
61) n-Nitrosodiphenylamine	9.896	169	1649915	76.50 ug/ml	100
63) 4-Bromophenyl-phenylether	10.576	248	562402	77.32 ug/ml	100
64) Hexachlorobenzene	10.704	284	608346	76.70 ug/ml	99
65) Pentachlorophenol	11.132	266	224979	70.39 ug/ml	98
66) Phenanthrene	11.485	178	2693672	78.38 ug/ml	100
67) Anthracene	11.586	178	2637794	79.80 ug/ml	100
68) Carbazole	11.956	167	2156773	81.10 ug/ml	100
69) Di-n-butylphthalate	12.763	149	3329636	81.03 ug/ml	100
70) Fluoranthene	13.935	202	2570056	82.81 ug/ml	100
72) Benzidine	14.272	184	925964	72.57 ug/ml	99
73) Pyrene	14.395	202	2590838	72.65 ug/ml	100
75) Butylbenzylphthalate	15.887	149	1230110	77.88 ug/ml	99
76) Benzo(a)anthracene	16.935	228	2156391	75.98 ug/ml	99
77) 3,3'-Dichlorobenzidine	16.935	252	498192	72.42 ug/ml	99
78) Chrysene	17.021	228	1861570	77.76 ug/ml	100
79) bis(2-Ethylhexyl)phtha...	17.149	149	1660941	78.66 ug/ml	100
81) Di-n-octylphthalate	18.438	149	2420981	69.16 ug/ml	100
82) Benzo(b)fluoranthene	19.069	252	1689315	78.94 ug/ml	99
83) Benzo(k)fluoranthene	19.123	252	1506373	76.27 ug/ml	99
84) Benzo(a)pyrene	19.658	252	1437318	78.27 ug/ml	100
85) Indeno(1,2,3-cd)pyrene	21.936	276	1308972	84.18 ug/ml	100
86) Dibenz(a,h)anthracene	21.974	278	1091604	84.74 ug/ml	100
87) Benzo(g,h,i)perylene	22.557	276	974364	82.48 ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13341.D
Acq On : 23 Sep 2009 2:51 pm
Operator : sheilac
Sample : ic615-75
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 23 15:13:41 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 14:44:31 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

8.6.35

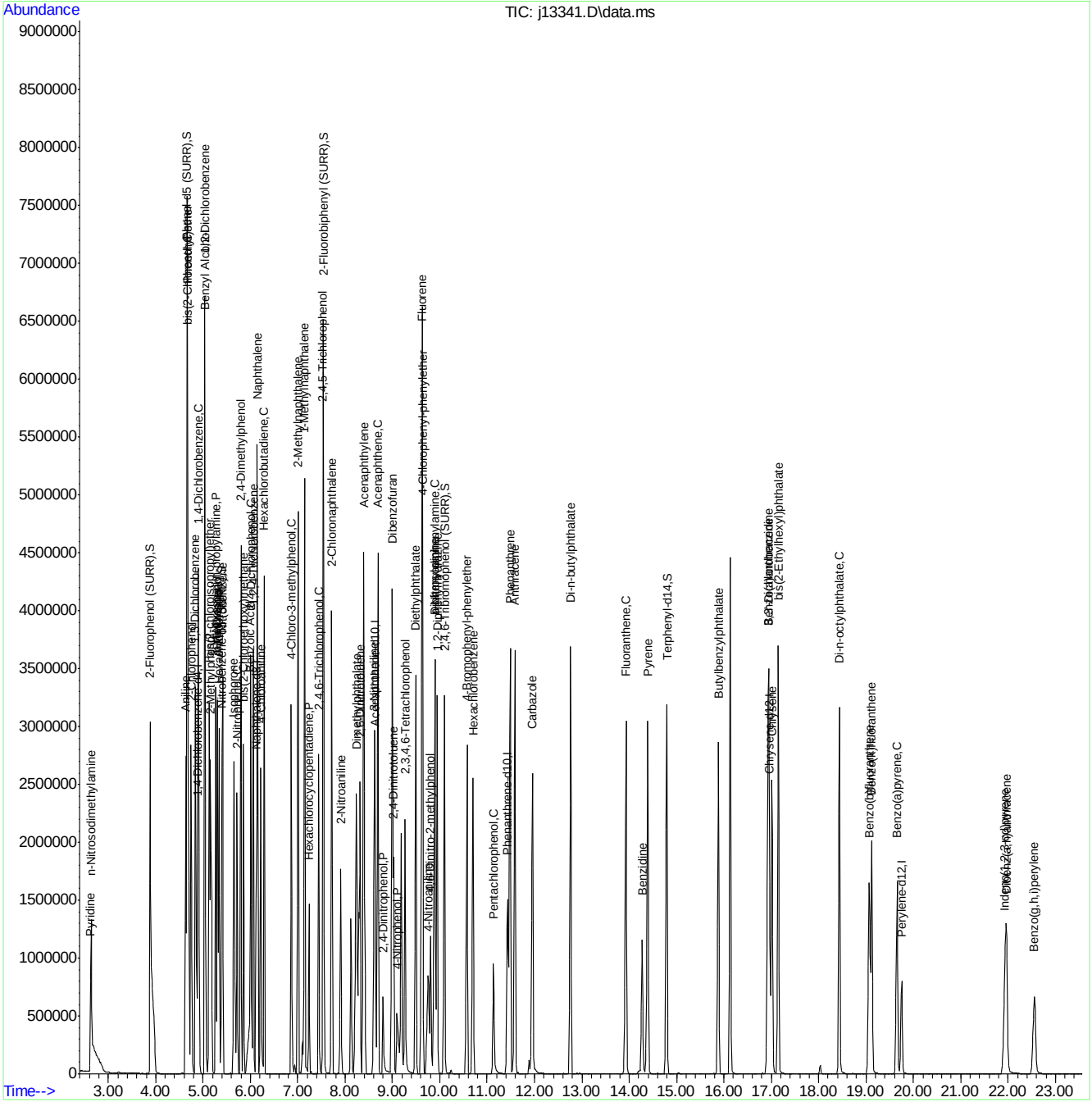
8

ACCUTEST Laboratories T39513

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13341.D
Acq On : 23 Sep 2009 2:51 pm
Operator : sheilac
Sample : ic615-75
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 10 Sample Multiplier: 1

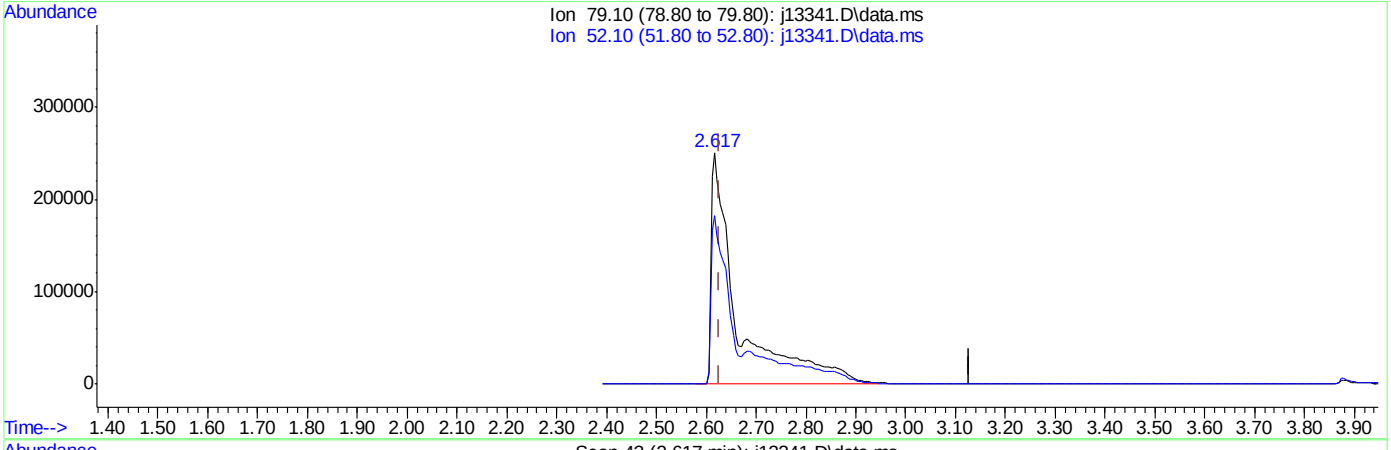
Quant Time: Sep 23 15:13:41 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 14:44:31 2009
Response via : Initial Calibration

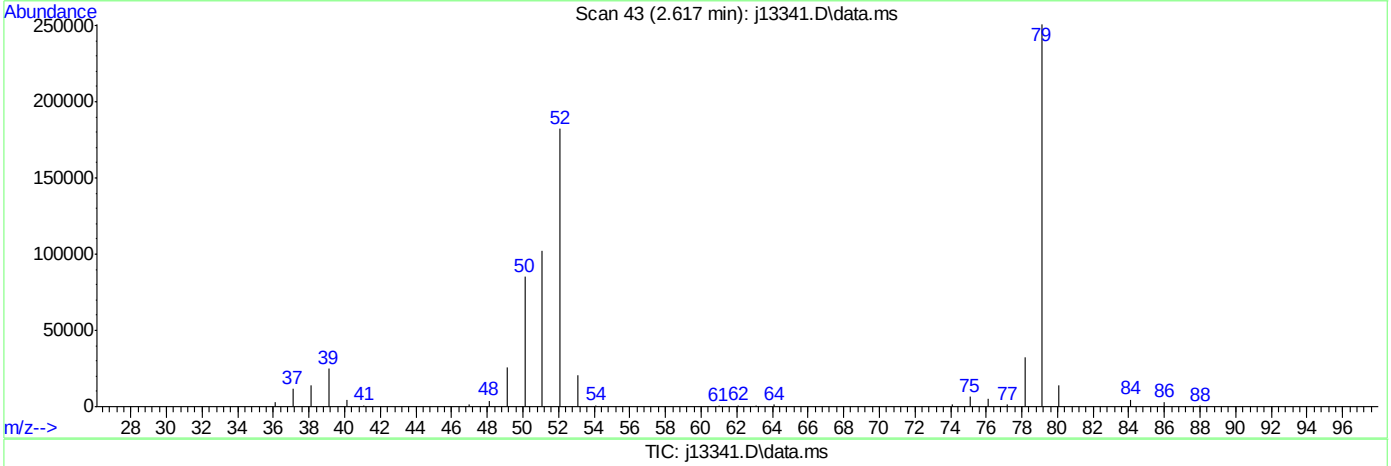


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13341.D
Acq On : 23 Sep 2009 2:51 pm
Operator : sheilac
Sample : ic615-75
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 23 15:13:41 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 14:44:31 2009
Response via : Initial Calibration





TIC: j13341.D\data.ms

(3) Pyridine

2.617min (-0.011) 82.36ug/ml m

response 928595

Ion	Exp%	Act%
79.10	100	100
52.10	48.30	43.26
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
09/28/09 13:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13342.D
Acq On : 23 Sep 2009 3:21 pm
Operator : sheilac
Sample : icv615-50
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 23 16:57:01 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 15:14:24 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.885	152	382496	40.00	ug/ml	0.00
20) Naphthalene-d8	6.120	136	1390359	40.00	ug/ml	0.00
36) Acenaphthene-d10	8.623	164	717631	40.00	ug/ml	0.00
57) Phenanthrene-d10	11.426	188	1012187	40.00	ug/ml	0.00
71) Chrysene-d12	16.951	240	904594	40.00	ug/ml	-0.01
80) Perylene-d12	19.748	264	633901	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	0.000	112	0	0.00	ug/ml	
Spiked Amount 100.000	Range 23 - 110		Recovery	=	0.00%#	
5) Phenol-d5 (SURR)	0.000	99	0d	0.00	ug/ml	
Spiked Amount 100.000	Range 23 - 114		Recovery	=	0.00%#	
21) Nitrobenzene-d5 (SURR)	0.000	82	0d	0.00	ug/ml	
Spiked Amount 50.000	Range 36 - 126		Recovery	=	0.00%#	
40) 2-Fluorobiphenyl (SURR)	0.000	172	0	0.00	ug/ml	
Spiked Amount 50.000	Range 34 - 132		Recovery	=	0.00%#	
62) 2,4,6-Tribromophenol (...	0.000	330	0	0.00	ug/ml	
Spiked Amount 100.000	Range 33 - 138		Recovery	=	0.00%#	
74) Terphenyl-d14	0.000	244	0	0.00	ug/ml	
Spiked Amount 50.000	Range 46 - 136		Recovery	=	0.00%#	
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.649	74	354790	55.19	ug/ml	97
3) Pyridine	2.638	79	583081m	51.40	ug/ml	
6) Phenol	4.687	94	781316	48.13	ug/ml	89
7) Aniline	4.628	93	548944	33.57	ug/ml	94
8) bis(2-Chloroethyl)ether	4.671	93	720071	45.25	ug/ml	97
9) 2-Chlorophenol	4.751	128	615933	48.91	ug/ml	99
10) 1,3-Dichlorobenzene	4.836	146	685065	48.02	ug/ml	98
11) 1,4-Dichlorobenzene	4.901	146	717693	46.89	ug/ml	100
12) Benzyl Alcohol	5.034	108	438413	49.97	ug/ml	100
13) 1,2-Dichlorobenzene	5.034	146	693178	48.28	ug/ml	100
14) 2-Methylphenol	5.168	108	557746	49.01	ug/ml	99
15) bis(2-chloroisopropyl)...	5.125	45	970715	48.16	ug/ml	100
16) 4-Methylphenol	5.302	108	1189796	98.82	ug/ml	100
17) m+p-Cresols	5.302	108	1189796	98.82	ug/ml	100
18) n-Nitroso-di-n-propyla...	5.259	70	509070	46.61	ug/ml	99
19) Hexachloroethane	5.334	117	270695	48.47	ug/ml	99
22) Nitrobenzene	5.403	77	669860	46.78	ug/ml	100
23) Isophorone	5.644	82	1243348	47.29	ug/ml	100
24) 2-Nitrophenol	5.719	139	308970	46.93	ug/ml	99
25) 2,4-Dimethylphenol	5.794	122	484882	44.53	ug/ml	99
26) bis(2-Chloroethoxy)met...	5.847	93	686829	47.40	ug/ml	100
27) Benzoic Acid	5.976	105	270392	45.34	ug/ml	100
28) 2,4-Dichlorophenol	6.008	162	453402	47.34	ug/ml	100
29) 1,2,4-Trichlorobenzene	6.056	180	521921	45.29	ug/ml	100
30) Naphthalene	6.147	128	1823133	48.14	ug/ml	99
31) 4-Chloroaniline	6.216	127	300035	23.42	ug/ml	98
32) Hexachlorobutadiene	6.291	225	340718	47.09	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13342.D
Acq On : 23 Sep 2009 3:21 pm
Operator : sheilac
Sample : icv615-50
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 23 16:57:01 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 15:14:24 2009
Response via : Initial Calibration

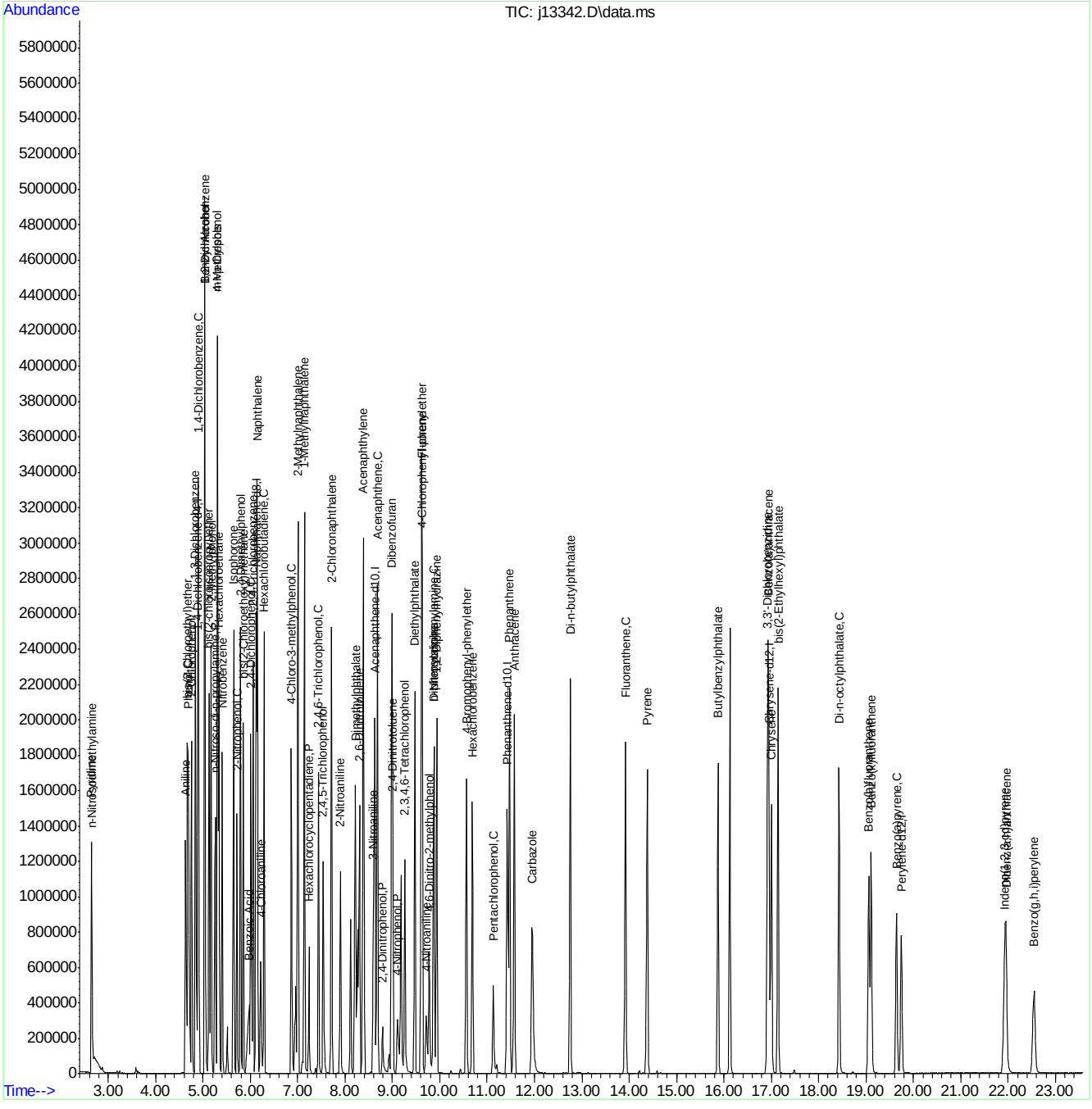
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 4-Chloro-3-methylphenol	6.864	107	512044	47.34	ug/ml	100
34) 2-Methylnaphthalene	7.003	142	1151343	49.77	ug/ml	100
35) 1-Methylnaphthalene	7.142	142	1123966	46.39	ug/ml	100
37) Hexachlorocyclopentadiene	7.238	237	137587	43.14	ug/ml	99
38) 2,4,6-Trichlorophenol	7.436	196	306098	51.12	ug/ml	100
39) 2,4,5-Trichlorophenol	7.532	196	303549	42.86	ug/ml	100
41) 2-Chloronaphthalene	7.714	162	1005728	50.16	ug/ml	100
42) 2-Nitroaniline	7.901	65	346793	51.44	ug/ml	99
43) Dimethylphthalate	8.217	163	1211035	50.25	ug/ml	100
44) Acenaphthylene	8.383	152	1737763	51.13	ug/ml	100
45) 2,6-Dinitrotoluene	8.302	165	273967	48.32	ug/ml#	87
46) 3-Nitroaniline	8.597	138	207700	39.80	ug/ml	97
47) Acenaphthene	8.682	154	984362	49.30	ug/ml	100
48) 2,4-Dinitrophenol	8.789	184	68227	39.85	ug/ml	98
49) 4-Nitrophenol	9.099	65	147509	45.27	ug/ml	96
50) Dibenzofuran	8.987	168	1406473	49.31	ug/ml	100
51) 2,4-Dinitrotoluene	9.008	165	338461	49.84	ug/ml#	72
52) 2,3,4,6-Tetrachlorophenol	9.260	232	239567	45.11	ug/ml	98
53) Diethylphthalate	9.474	149	1232296	49.29	ug/ml	100
54) Fluorene	9.613	166	1193461	48.01	ug/ml	100
55) 4-Chlorophenyl-phenyle...	9.629	204	576854	45.07	ug/ml	99
56) 4-Nitroaniline	9.714	138	171163m	38.48	ug/ml	
58) 1,2-Diphenylhydrazine	9.934	77	1256859	48.83	ug/ml	100
59) 4,6-Dinitro-2-methylph...	9.779	198	143151	44.29	ug/ml	99
60) Diphenylamine	9.875	169	770831	40.69	ug/ml	100
61) n-Nitrosodiphenylamine	9.875	169	770831	40.69	ug/ml	100
63) 4-Bromophenyl-phenylether	10.565	248	310064	48.53	ug/ml	100
64) Hexachlorobenzene	10.688	284	340718	48.94	ug/ml	100
65) Pentachlorophenol	11.126	266	112355	47.08	ug/ml	96
66) Phenanthrene	11.474	178	1464496	48.56	ug/ml	100
67) Anthracene	11.576	178	1419130	48.87	ug/ml	100
68) Carbazole	11.950	167	1027874	43.97	ug/ml	100
69) Di-n-butylphthalate	12.758	149	1828007	50.48	ug/ml	100
70) Fluoranthene	13.924	202	1460296	53.41	ug/ml	100
73) Pyrene	14.384	202	1423169	44.65	ug/ml	100
75) Butylbenzylphthalate	15.876	149	693258	48.84	ug/ml	100
76) Benzo(a)anthracene	16.930	228	1234326	48.50	ug/ml	100
77) 3,3'-Dichlorobenzidine	16.924	252	288549	53.00	ug/ml	98
78) Chrysene	17.005	228	1055240	49.19	ug/ml	100
79) bis(2-Ethylhexyl)phtha...	17.144	149	910289	47.72	ug/ml	100
81) Di-n-octylphthalate	18.427	149	1349111	41.48	ug/ml	100
82) Benzo(b)fluoranthene	19.058	252	994451	47.47	ug/ml	100
83) Benzo(k)fluoranthene	19.112	252	951064	49.70	ug/ml	100
84) Benzo(a)pyrene	19.647	252	773972	43.27	ug/ml	100
85) Indeno(1,2,3-cd)pyrene	21.925	276	856080	56.76	ug/ml	100
86) Dibenz(a,h)anthracene	21.957	278	707954	56.56	ug/ml	99
87) Benzo(g,h,i)perylene	22.546	276	660664	57.99	ug/ml	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13342.D
Acq On : 23 Sep 2009 3:21 pm
Operator : sheilac
Sample : icv615-50
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 23 16:57:01 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 15:14:24 2009
Response via : Initial Calibration

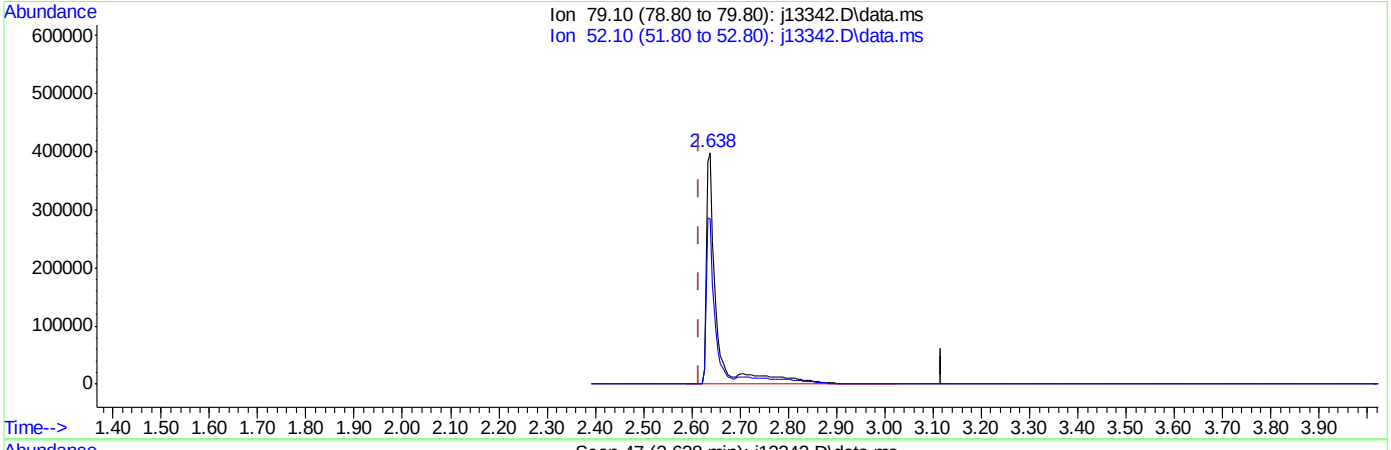


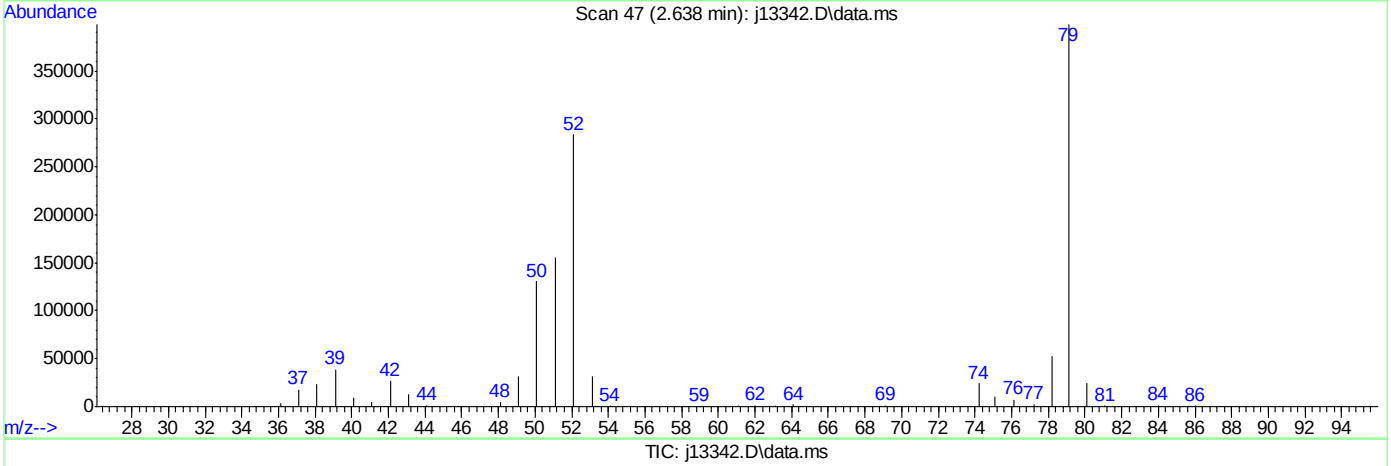
ACCUTEST Laboratories T39513

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13342.D
Acq On    : 23 Sep 2009   3:21 pm
Operator  : sheilac
Sample    : icv615-50
Misc      : op12949,Ej615,1000,,,1,1,water
ALS Vial  : 11   Sample Multiplier: 1

Quant Time: Sep 23 16:53:07 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :
QLast Update : Wed Sep 23 15:14:24 2009
Response via : Initial Calibration
```





(3) Pyridine

2.638min (+0.021) 51.40ug/ml m

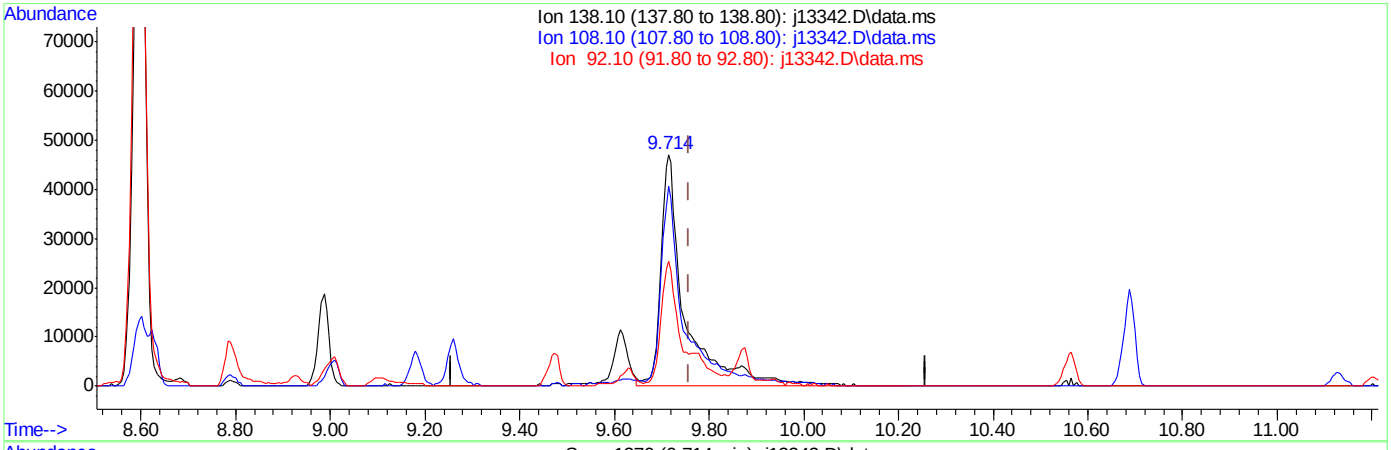
response 583081

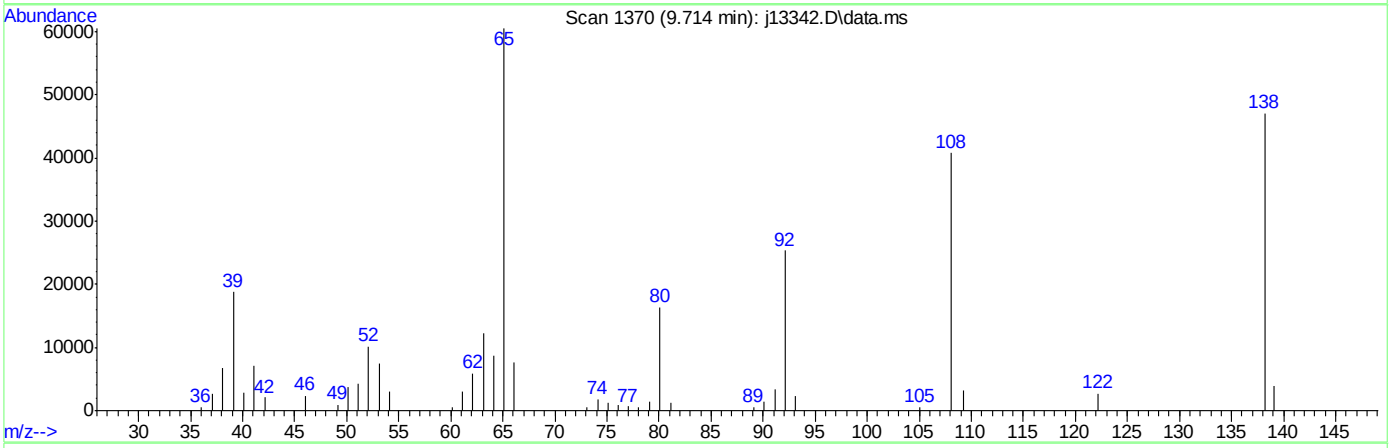
Ion	Exp%	Act%
79.10	100	100
52.10	48.30	56.42
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13342.D
Acq On    : 23 Sep 2009   3:21 pm
Operator  : sheilac
Sample    : icv615-50
Misc      : op12949,Ej615,1000,,,1,1,water
ALS Vial  : 11   Sample Multiplier: 1

Quant Time: Sep 23 16:53:07 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :
QLast Update : Wed Sep 23 15:14:24 2009
Response via : Initial Calibration
```





TIC: j13342.D\data.ms

(56) 4-Nitroaniline

9.714min (-0.043) 38.48ug/ml m

response 171163

Ion	Exp%	Act%
138.10	100	100
108.10	87.60	74.30
92.10	53.80	36.28
0.00	0.00	0.00

8.6.36.2

8

ACCUTEST Laboratories T39513

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13689.D
Acq On : 8 Oct 2009 11:20 am
Operator : sheilac
Sample : icc629-50,(Bzth+Resor)
Misc : op12949,Ej629,1000,,,1,1,water
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 08 12:23:53 2009
Quant Method : C:\msdchem\1\METHODS\ej629ben+res.m
Quant Title :
QLast Update : Thu Oct 08 11:56:07 2009
Response via : Initial Calibration

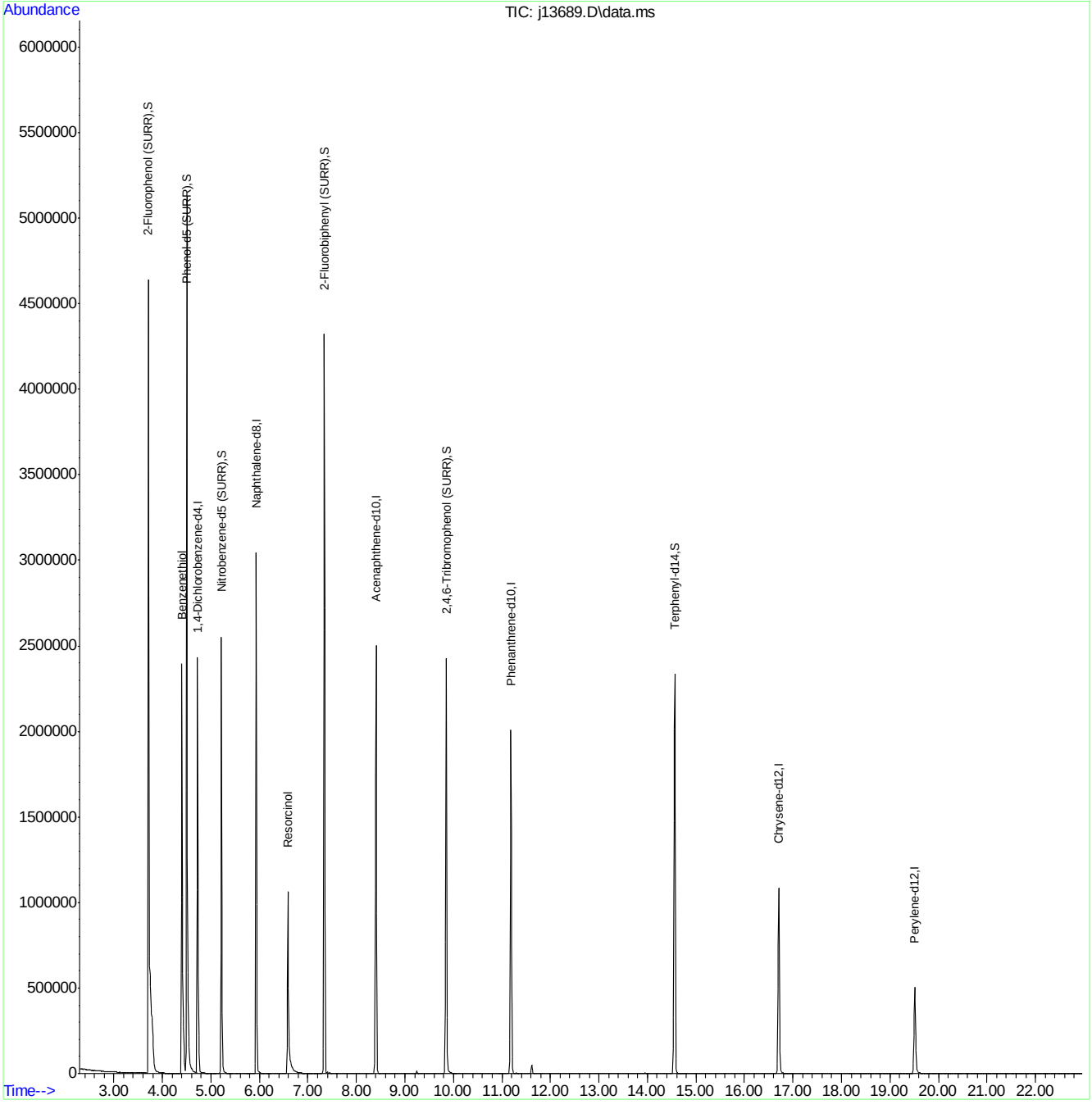
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.726	152	425311	40.00	ug/ml	0.00
14) Naphthalene-d8	5.935	136	1500474	40.00	ug/ml	0.00
21) Acenaphthene-d10	8.406	164	839398	40.00	ug/ml	0.27
27) Phenanthrene-d10	11.187	188	1281434	40.00	ug/ml	0.45
33) Chrysene-d12	16.707	240	790616	40.00	ug/ml	0.00
40) Perylene-d12	19.515	264	441409	40.00	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol (SURR)	3.710	112	1616531	114.53	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 66		Recovery = 114.53%#			
5) Phenol-d5 (SURR)	4.501	99	2054168	132.16	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 53		Recovery = 132.16%#			
15) Nitrobenzene-d5 (SURR)	5.218	82	927510	60.06	ug/ml	-0.05
Spiked Amount 50.000	Range 29 - 115		Recovery = 120.12%#			
22) 2-Fluorobiphenyl (SURR)	7.341	172	1715397	55.86	ug/ml	0.20
Spiked Amount 50.000	Range 34 - 113		Recovery = 111.72%			
28) 2,4,6-Tribromophenol (...	9.855	330	434108	102.90	ug/ml	0.39
Spiked Amount 100.000	Range 32 - 128		Recovery = 102.90%			
35) Terphenyl-d14	14.562	244	1231759	67.57	ug/ml	0.00
Spiked Amount 50.000	Range 12 - 145		Recovery = 135.14%			
Target Compounds						Qvalue
4) Benzenethiol	4.400	110	805170	74.63	ug/ml	98
19) Resorcinol	6.587	110	543150	56.12	ug/ml	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13689.D
Acq On : 8 Oct 2009 11:20 am
Operator : sheilac
Sample : icc629-50,(Bzth+Resor)
Misc : op12949,Ej629,1000,,,1,1,water
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 08 12:23:53 2009
Quant Method : C:\msdchem\1\METHODS\ej629ben+res.m
Quant Title :
QLast Update : Thu Oct 08 11:56:07 2009
Response via : Initial Calibration



ACCUTEST Laboratories T39513

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13690.D
Acq On : 8 Oct 2009 11:50 am
Operator : sheilac
Sample : ic629-40,(Bzth+Resor)
Misc : op12949,Ej629,1000,,,1,1,water
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 08 12:24:44 2009
Quant Method : C:\msdchem\1\METHODS\ej629ben+res.m
Quant Title :
QLast Update : Thu Oct 08 11:56:07 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.726	152	432948	40.00	ug/ml	0.00
14) Naphthalene-d8	5.935	136	1506151	40.00	ug/ml	0.00
21) Acenaphthene-d10	8.406	164	806931	40.00	ug/ml	0.27
27) Phenanthrene-d10	11.187	188	1180761	40.00	ug/ml	0.45
33) Chrysene-d12	16.707	240	648211	40.00	ug/ml	0.00
40) Perylene-d12	19.509	264	414940	40.00	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol (SURR)	3.715	112	1324933	92.21	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 66		Recovery = 92.21%#			
5) Phenol-d5 (SURR)	4.496	99	1662776	105.09	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 53		Recovery = 105.09%#			
15) Nitrobenzene-d5 (SURR)	5.218	82	744803	48.05	ug/ml	-0.05
Spiked Amount 50.000	Range 29 - 115		Recovery = 96.10%			
22) 2-Fluorobiphenyl (SURR)	7.336	172	1306323	44.25	ug/ml	0.19
Spiked Amount 50.000	Range 34 - 113		Recovery = 88.50%			
28) 2,4,6-Tribromophenol (...	9.850	330	299465	77.04	ug/ml	0.38
Spiked Amount 100.000	Range 32 - 128		Recovery = 77.04%			
35) Terphenyl-d14	14.557	244	798114	53.40	ug/ml	0.00
Spiked Amount 50.000	Range 12 - 145		Recovery = 106.80%			
Target Compounds						Qvalue
4) Benzenethiol	4.405	110	675929	61.55	ug/ml	98
19) Resorcinol	6.582	110	421176	43.35	ug/ml	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

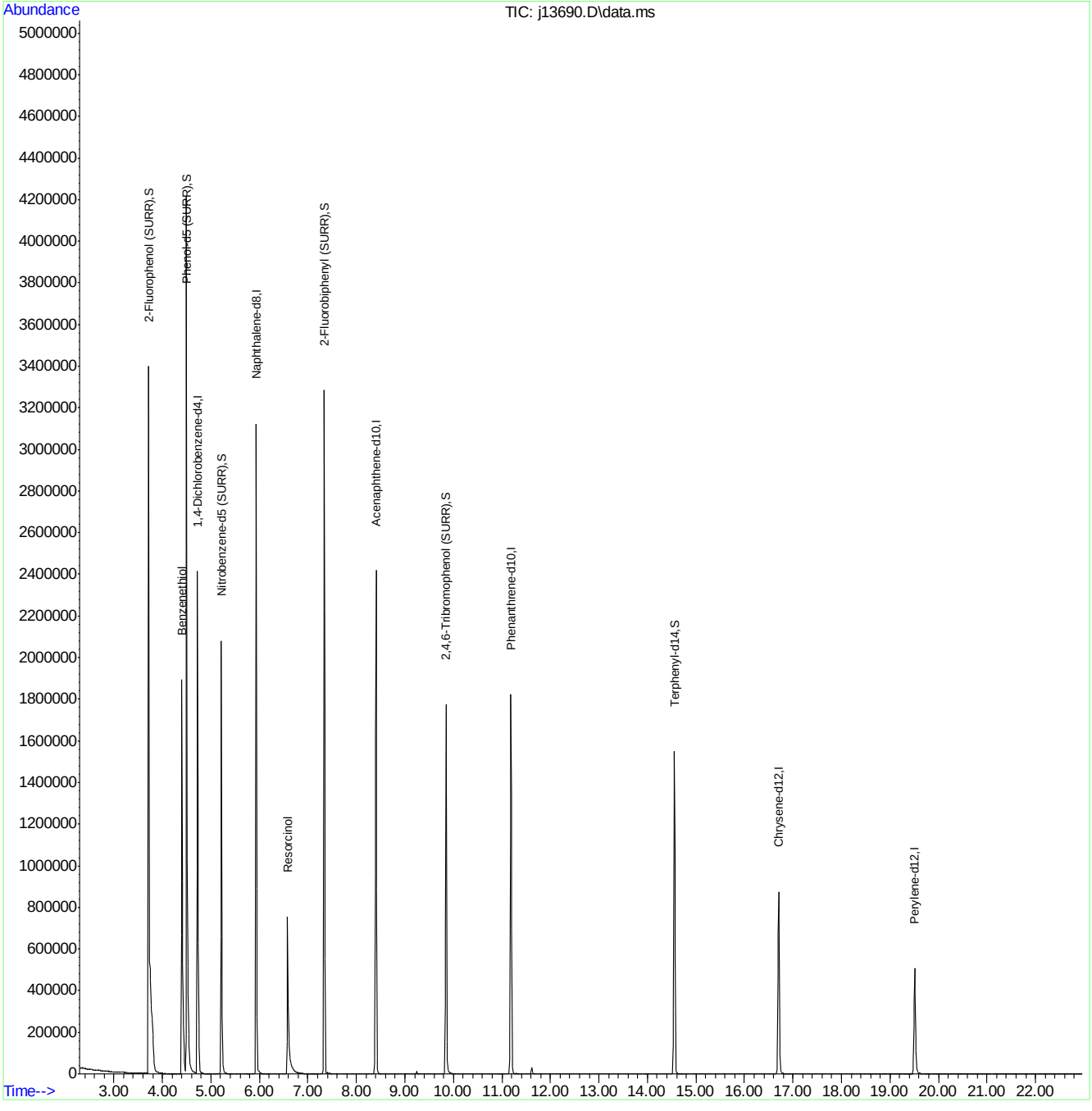
8.6.38

8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13690.D
Acq On : 8 Oct 2009 11:50 am
Operator : sheilac
Sample : ic629-40,(Bzth+Resor)
Misc : op12949,Ej629,1000,,,1,1,water
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 08 12:24:44 2009
Quant Method : C:\msdchem\1\METHODS\ej629ben+res.m
Quant Title :
QLast Update : Thu Oct 08 11:56:07 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13691.D
Acq On : 8 Oct 2009 12:21 pm
Operator : sheilac
Sample : ic629-75,(Bzth+Resor)
Misc : op12949,Ej629,1000,,,1,1,water
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 08 14:16:59 2009
Quant Method : C:\msdchem\1\METHODS\ej629ben+res.m
Quant Title :
QLast Update : Thu Oct 08 11:56:07 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.726	152	407460	40.00	ug/ml	0.00
14) Naphthalene-d8	5.935	136	1406886	40.00	ug/ml	0.00
21) Acenaphthene-d10	8.406	164	777360	40.00	ug/ml	0.27
27) Phenanthrene-d10	11.187	188	1151046	40.00	ug/ml	0.45
33) Chrysene-d12	16.707	240	723943	40.00	ug/ml	0.00
40) Perylene-d12	19.515	264	482443	40.00	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol (SURR)	3.715	112	2386547	176.49	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 66		Recovery = 176.49%#			
5) Phenol-d5 (SURR)	4.501	99	3060739	205.55	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 53		Recovery = 205.55%#			
15) Nitrobenzene-d5 (SURR)	5.223	82	1329809	91.84	ug/ml	-0.05
Spiked Amount 50.000	Range 29 - 115		Recovery = 183.68%#			
22) 2-Fluorobiphenyl (SURR)	7.341	172	2424933	85.27	ug/ml	0.20
Spiked Amount 50.000	Range 34 - 113		Recovery = 170.54%#			
28) 2,4,6-Tribromophenol (...	9.861	330	608809	160.66	ug/ml	0.39
Spiked Amount 100.000	Range 32 - 128		Recovery = 160.66%#			
35) Terphenyl-d14	14.567	244	1606294	96.23	ug/ml	0.00
Spiked Amount 50.000	Range 12 - 145		Recovery = 192.46%#			
Target Compounds						Qvalue
4) Benzenethiol	4.405	110	1143058	110.59	ug/ml	99
19) Resorcinol	6.593	110	773108	85.19	ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

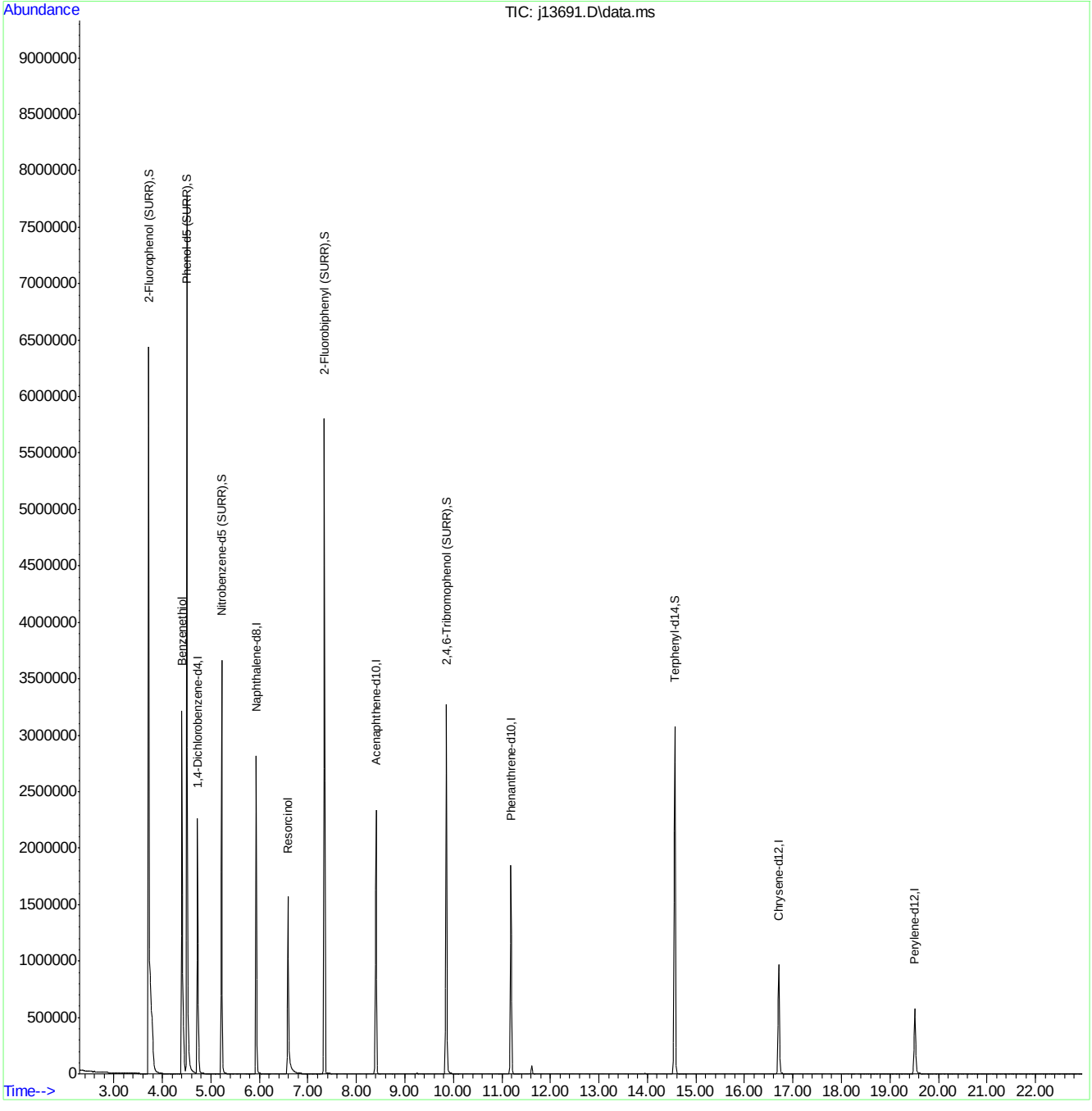
8.6.39

8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13691.D
Acq On : 8 Oct 2009 12:21 pm
Operator : sheilac
Sample : ic629-75,(Bzth+Resor)
Misc : op12949,Ej629,1000,,,1,1,water
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 08 14:16:59 2009
Quant Method : C:\msdchem\1\METHODS\ej629ben+res.m
Quant Title :
QLast Update : Thu Oct 08 11:56:07 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13692.D
Acq On : 8 Oct 2009 12:51 pm
Operator : sheilac
Sample : ic629-5,(Bzth+Resor)
Misc : op12949,Ej629,1000,,,1,1,water
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 08 14:17:47 2009
Quant Method : C:\msdchem\1\METHODS\ej629ben+res.m
Quant Title :
QLast Update : Thu Oct 08 11:56:07 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.726	152	476533	40.00	ug/ml	0.00
14) Naphthalene-d8	5.935	136	1652316	40.00	ug/ml	0.00
21) Acenaphthene-d10	8.406	164	879587	40.00	ug/ml	0.27
27) Phenanthrene-d10	11.187	188	1259292	40.00	ug/ml	0.45
33) Chrysene-d12	16.707	240	748207	40.00	ug/ml	0.00
40) Perylene-d12	19.515	264	527433	40.00	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol (SURR)	3.726	112	156403	9.89	ug/ml	0.02
Spiked Amount 100.000	Range 10 - 66		Recovery	=	9.89%#	
5) Phenol-d5 (SURR)	4.501	99	191894	11.02	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 53		Recovery	=	11.02%	
15) Nitrobenzene-d5 (SURR)	5.218	82	88157	5.18	ug/ml	-0.05
Spiked Amount 50.000	Range 29 - 115		Recovery	=	10.36%#	
22) 2-Fluorobiphenyl (SURR)	7.336	172	153848	4.78	ug/ml	0.19
Spiked Amount 50.000	Range 34 - 113		Recovery	=	9.56%#	
28) 2,4,6-Tribromophenol (...	9.850	330	22833	5.51	ug/ml	0.38
Spiked Amount 100.000	Range 32 - 128		Recovery	=	5.51%#	
35) Terphenyl-d14	14.551	244	91377	5.30	ug/ml	-0.01
Spiked Amount 50.000	Range 12 - 145		Recovery	=	10.60%#	
Target Compounds						Qvalue
4) Benzenethiol	4.405	110	77101	6.38	ug/ml#	82
19) Resorcinol	6.619	110	37907m	3.56	ug/ml	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

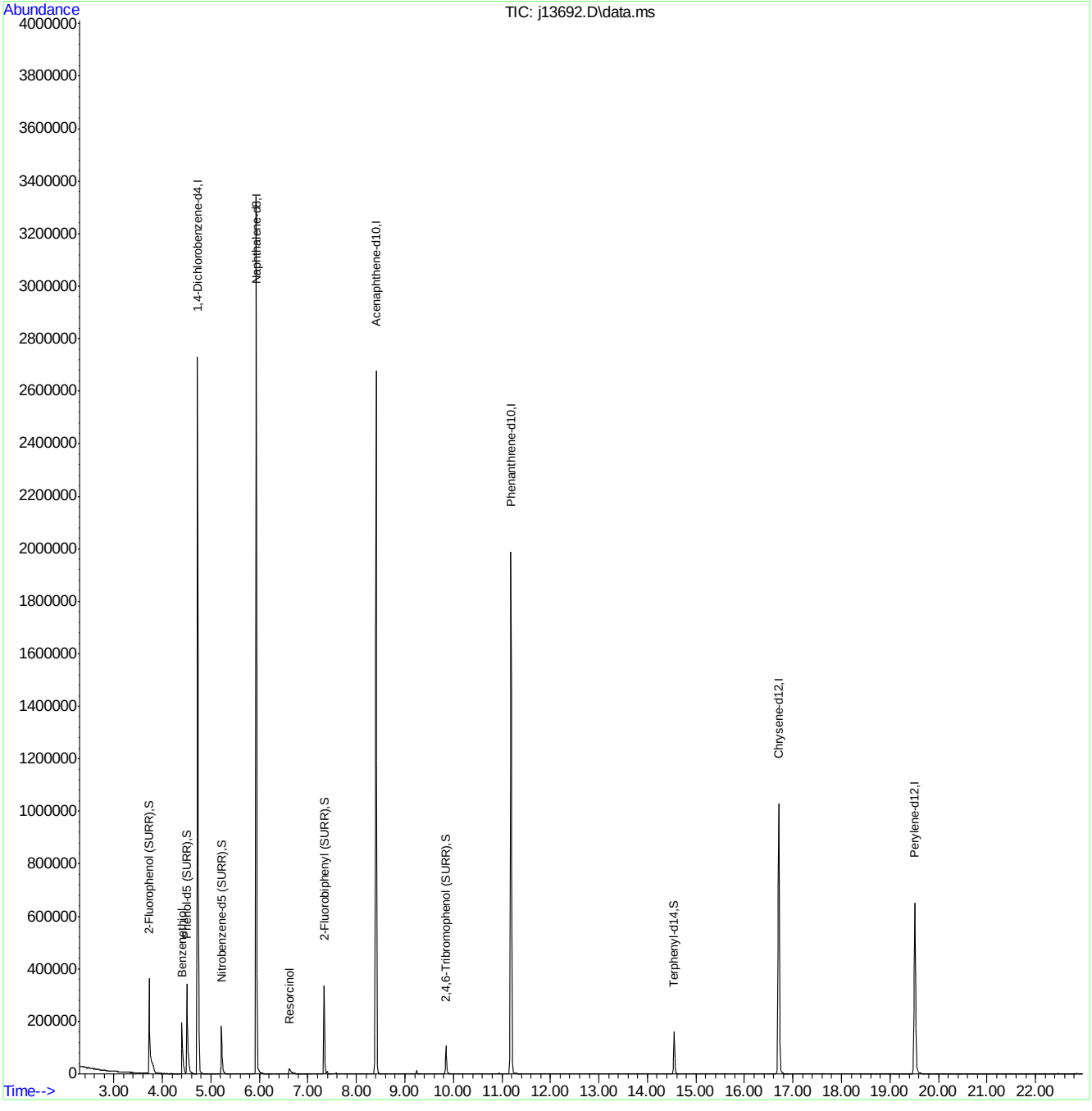
8.6.40

8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13692.D
Acq On : 8 Oct 2009 12:51 pm
Operator : sheilac
Sample : ic629-5,(Bzth+Resor)
Misc : op12949,Ej629,1000,,,1,1,water
ALS Vial : 6 Sample Multiplier: 1

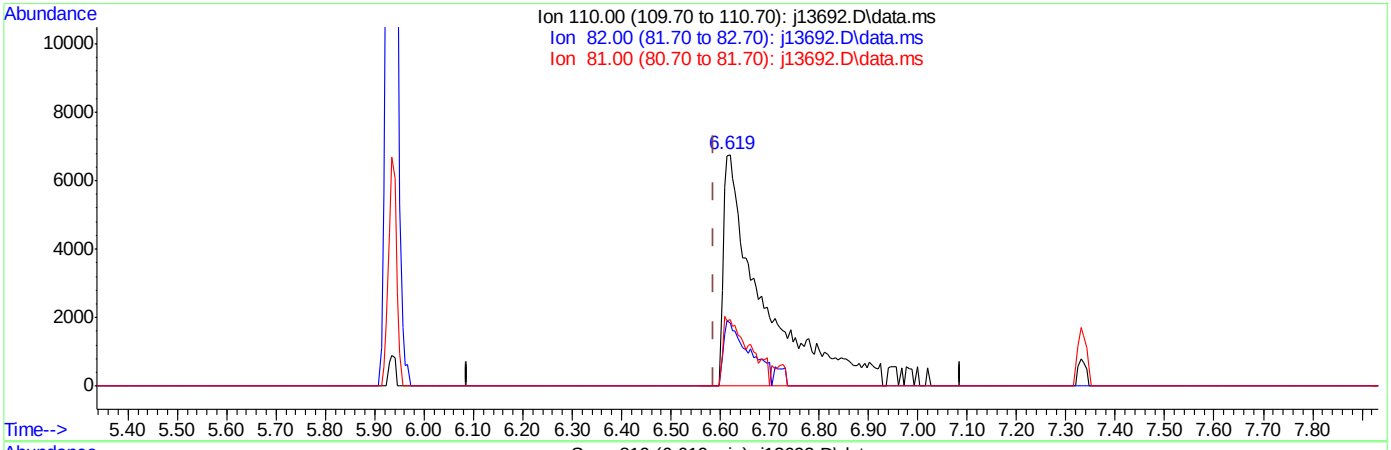
Quant Time: Oct 08 14:17:47 2009
Quant Method : C:\msdchem\1\METHODS\ej629ben+res.m
Quant Title :
QLast Update : Thu Oct 08 11:56:07 2009
Response via : Initial Calibration

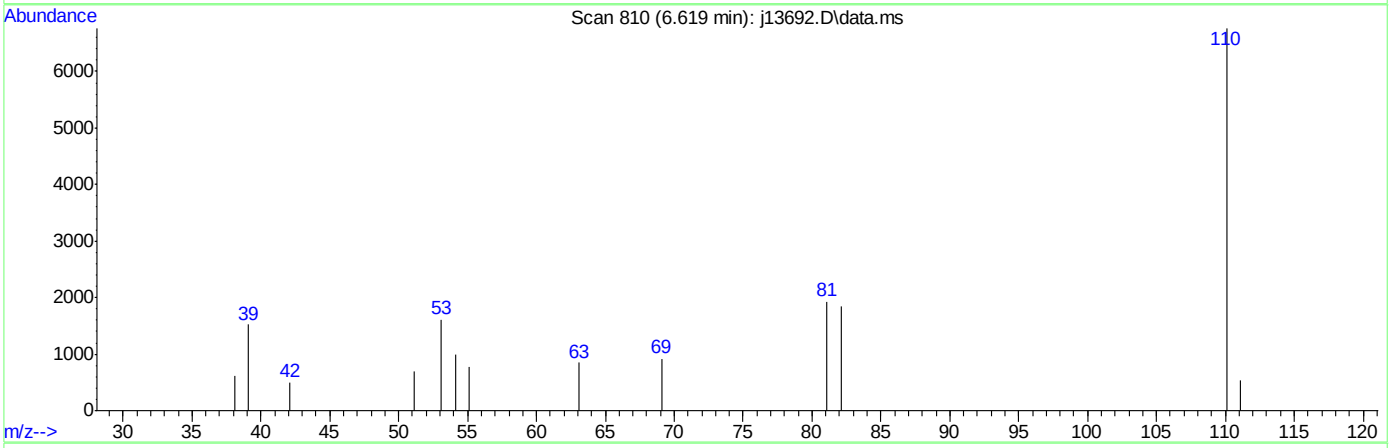


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13692.D
Acq On : 8 Oct 2009 12:51 pm
Operator : sheilac
Sample : ic629-5,(Bzth+Resor)
Misc : op12949,Ej629,1000,,,1,1,water
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 08 14:17:47 2009
Quant Method : C:\msdchem\1\METHODS\ej629ben+res.m
Quant Title :
QLast Update : Thu Oct 08 11:56:07 2009
Response via : Initial Calibration





TIC: j13692.D\data.ms

(19) Resorcinol

6.619min (+0.032) 3.56ug/ml m

response 37907

Ion	Exp%	Act%
110.00	100	100
82.00	27.40	0.00#
81.00	29.10	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13693.D
Acq On : 8 Oct 2009 1:22 pm
Operator : sheilac
Sample : ic629-25,(Bzth+Resor)
Misc : op12949,Ej629,1000,,,1,1,water
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 08 14:18:08 2009
Quant Method : C:\msdchem\1\METHODS\ej629ben+res.m
Quant Title :
QLast Update : Thu Oct 08 11:56:07 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.726	152	475641	40.00	ug/ml	0.00
14) Naphthalene-d8	5.935	136	1645968	40.00	ug/ml	0.00
21) Acenaphthene-d10	8.406	164	892948	40.00	ug/ml	0.27
27) Phenanthrene-d10	11.192	188	1306835	40.00	ug/ml	0.45
33) Chrysene-d12	16.707	240	782066	40.00	ug/ml	0.00
40) Perylene-d12	19.515	264	535495	40.00	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol (SURR)	3.715	112	853637	54.08	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 66		Recovery = 54.08%			
5) Phenol-d5 (SURR)	4.496	99	1067694	61.43	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 53		Recovery = 61.43%#			
15) Nitrobenzene-d5 (SURR)	5.218	82	483689	28.55	ug/ml	-0.05
Spiked Amount 50.000	Range 29 - 115		Recovery = 57.10%			
22) 2-Fluorobiphenyl (SURR)	7.336	172	840343	25.72	ug/ml	0.19
Spiked Amount 50.000	Range 34 - 113		Recovery = 51.44%			
28) 2,4,6-Tribromophenol (...	9.850	330	183130	42.56	ug/ml	0.38
Spiked Amount 100.000	Range 32 - 128		Recovery = 42.56%			
35) Terphenyl-d14	14.557	244	533528	29.59	ug/ml	0.00
Spiked Amount 50.000	Range 12 - 145		Recovery = 59.18%			
Target Compounds						Qvalue
4) Benzenethiol	4.405	110	451801	37.45	ug/ml	98
19) Resorcinol	6.582	110	261625	24.64	ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

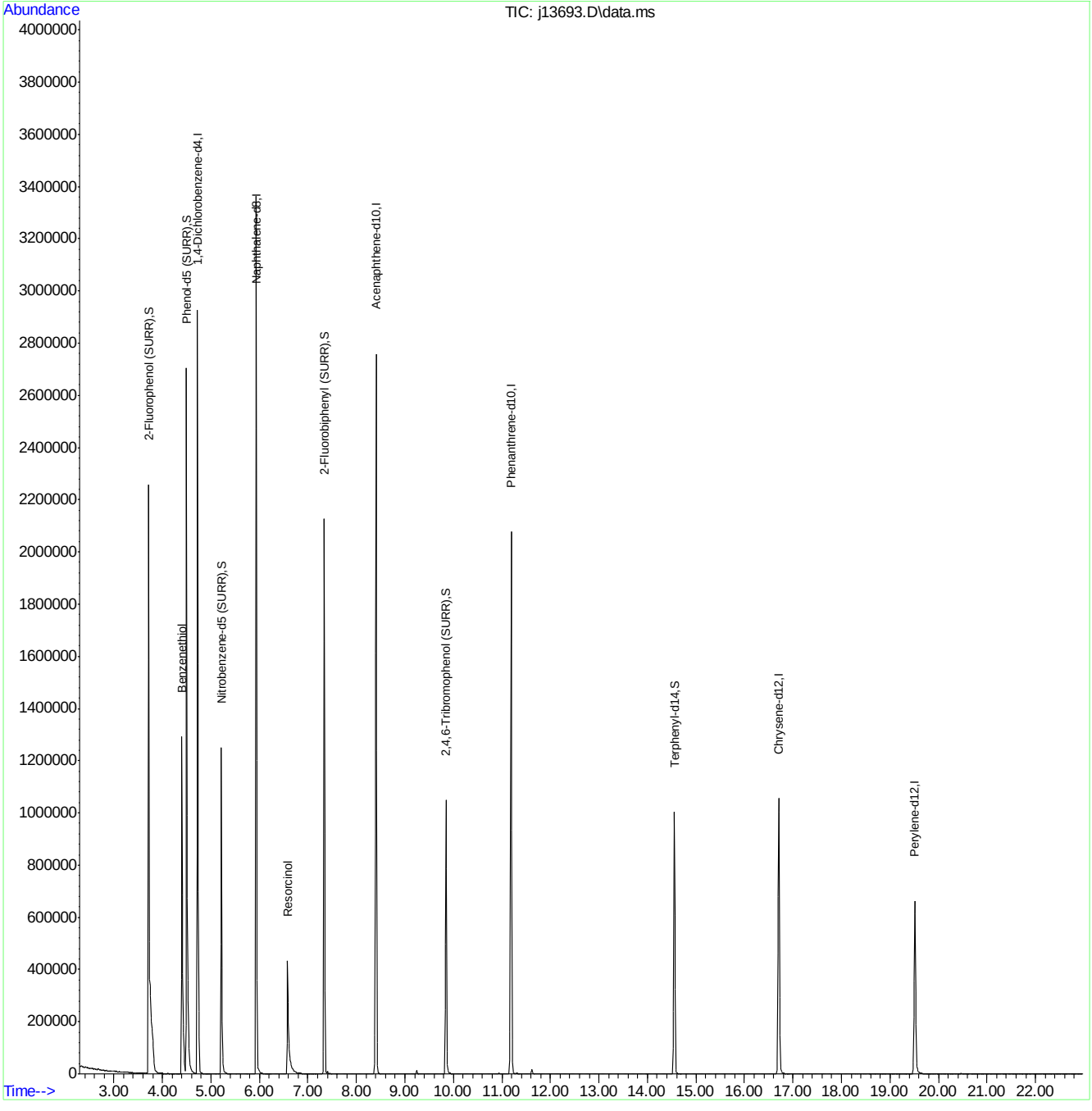
8.6.41

8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13693.D
Acq On : 8 Oct 2009 1:22 pm
Operator : sheilac
Sample : ic629-25,(Bzth+Resor)
Misc : op12949,Ej629,1000,,,1,1,water
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 08 14:18:08 2009
Quant Method : C:\msdchem\1\METHODS\ej629ben+res.m
Quant Title :
QLast Update : Thu Oct 08 11:56:07 2009
Response via : Initial Calibration



8.6.41 8

ACCUTEST Laboratories T39513

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13694.D
Acq On : 8 Oct 2009 1:52 pm
Operator : sheilac
Sample : ic629-100,(Bzth+Resor)
Misc : op12949,Ej629,1000,,,1,1,water
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 08 14:18:30 2009
Quant Method : C:\msdchem\1\METHODS\ej629ben+res.m
Quant Title :
QLast Update : Thu Oct 08 11:56:07 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.726	152	453816	40.00	ug/ml	0.00
14) Naphthalene-d8	5.935	136	1569063	40.00	ug/ml	0.00
21) Acenaphthene-d10	8.406	164	846788	40.00	ug/ml	0.27
27) Phenanthrene-d10	11.192	188	1245971	40.00	ug/ml	0.45
33) Chrysene-d12	16.707	240	655946	40.00	ug/ml	0.00
40) Perylene-d12	19.515	264	427661	40.00	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol (SURR)	3.720	112	3743084	248.54	ug/ml	0.01
Spiked Amount 100.000	Range 10 - 66		Recovery = 248.54%#			
5) Phenol-d5 (SURR)	4.512	99	4864272	293.30	ug/ml	0.01
Spiked Amount 100.000	Range 10 - 53		Recovery = 293.30%#			
15) Nitrobenzene-d5 (SURR)	5.229	82	2060552	127.59	ug/ml	-0.04
Spiked Amount 50.000	Range 29 - 115		Recovery = 255.18%#			
22) 2-Fluorobiphenyl (SURR)	7.352	172	3759153	121.34	ug/ml	0.21
Spiked Amount 50.000	Range 34 - 113		Recovery = 242.68%#			
28) 2,4,6-Tribromophenol (...	9.871	330	1013581	247.09	ug/ml	0.40
Spiked Amount 100.000	Range 32 - 128		Recovery = 247.09%#			
35) Terphenyl-d14	14.573	244	2266528	149.86	ug/ml	0.01
Spiked Amount 50.000	Range 12 - 145		Recovery = 299.72%#			
Target Compounds						Qvalue
4) Benzenethiol	4.405	110	1827357	158.74	ug/ml	99
19) Resorcinol	6.598	110	1263288	124.82	ug/ml	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

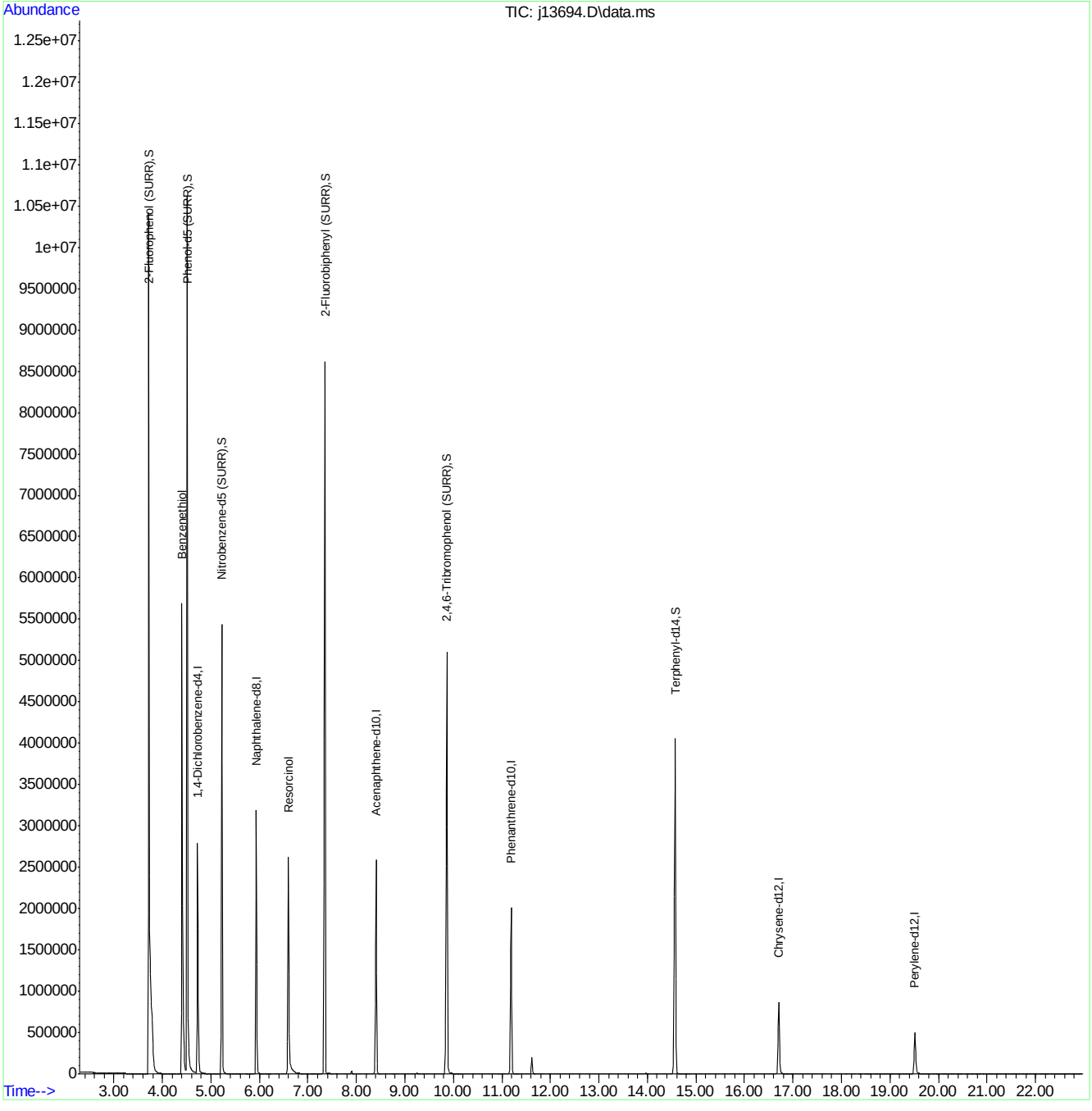
8.6.42

8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13694.D
Acq On : 8 Oct 2009 1:52 pm
Operator : sheilac
Sample : ic629-100,(Bzth+Resor)
Misc : op12949,Ej629,1000,,,1,1,water
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 08 14:18:30 2009
Quant Method : C:\msdchem\1\METHODS\ej629ben+res.m
Quant Title :
QLast Update : Thu Oct 08 11:56:07 2009
Response via : Initial Calibration



ACCUTEST Laboratories T39513

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13695.D
Acq On : 8 Oct 2009 2:26 pm
Operator : sheilac
Sample : icv629-50,(Bzth+Resor)
Misc : op12949,Ej629,1000,,,1,1,water
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 08 14:51:49 2009
Quant Method : C:\msdchem\1\METHODS\ej629ben+res.m
Quant Title :
QLast Update : Thu Oct 08 14:50:46 2009
Response via : Initial Calibration

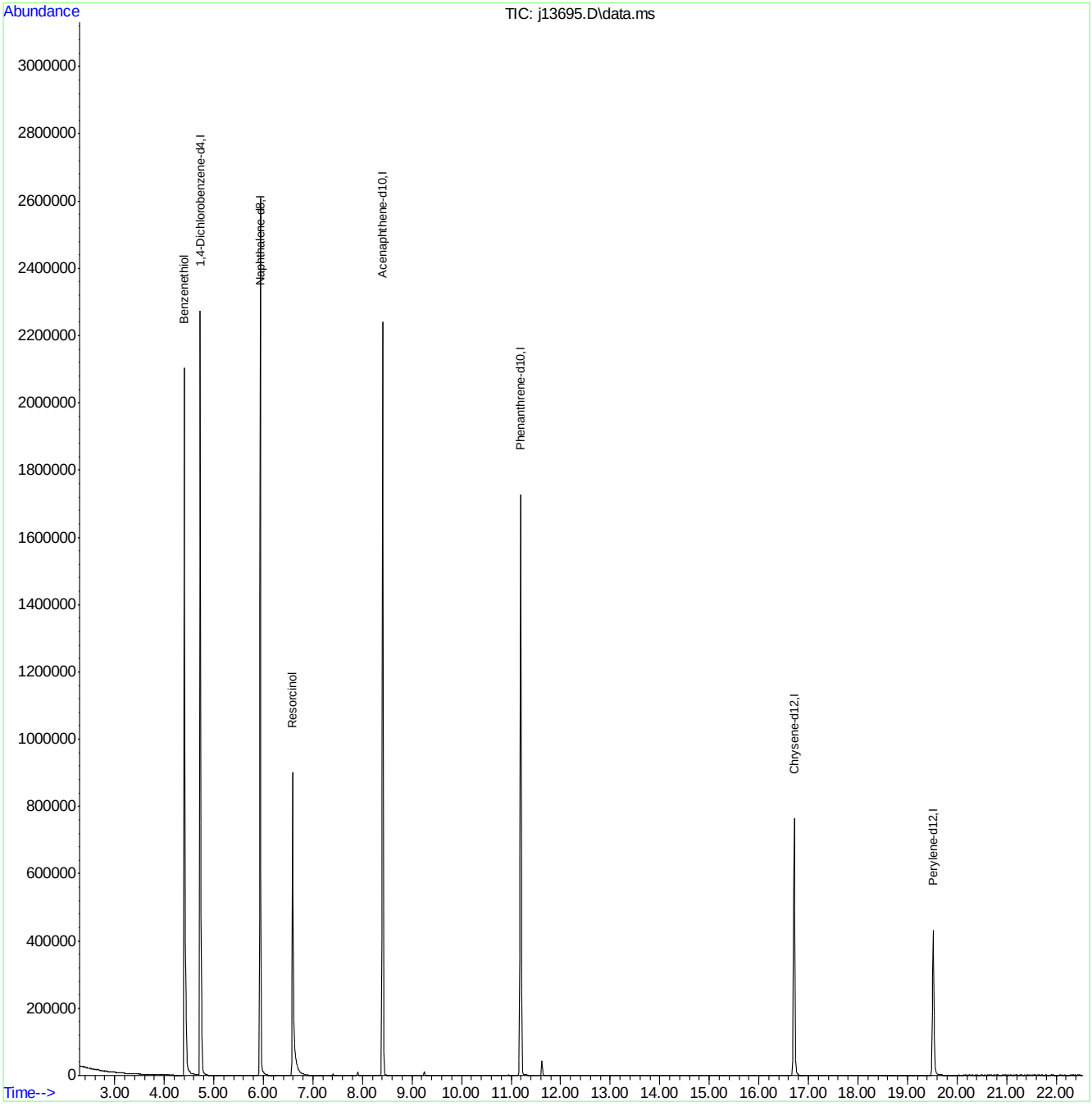
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.726	152	386125	40.00	ug/ml	0.00
14) Naphthalene-d8	5.940	136	1353260	40.00	ug/ml	0.00
21) Acenaphthene-d10	8.411	164	734185	40.00	ug/ml	0.00
27) Phenanthrene-d10	11.192	188	1056391	40.00	ug/ml	0.00
33) Chrysene-d12	16.712	240	572562	40.00	ug/ml	0.00
40) Perylene-d12	19.515	264	373851	40.00	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol (SURR)	0.000	112	0	0.00	ug/ml	
Spiked Amount 100.000	Range 10 - 66		Recovery = 0.00%#			
5) Phenol-d5 (SURR)	0.000	99	0	0.00	ug/ml	
Spiked Amount 100.000	Range 10 - 53		Recovery = 0.00%#			
15) Nitrobenzene-d5 (SURR)	0.000	82	0	0.00	ug/ml	
Spiked Amount 50.000	Range 29 - 115		Recovery = 0.00%#			
22) 2-Fluorobiphenyl (SURR)	0.000	172	0	0.00	ug/ml	
Spiked Amount 50.000	Range 34 - 113		Recovery = 0.00%#			
28) 2,4,6-Tribromophenol (...	0.000	330	0	0.00	ug/ml	
Spiked Amount 100.000	Range 32 - 128		Recovery = 0.00%#			
35) Terphenyl-d14	0.000	244	0	0.00	ug/ml	
Spiked Amount 50.000	Range 12 - 145		Recovery = 0.00%#			
Target Compounds						Qvalue
4) Benzenethiol	4.405	110	707244	48.86	ug/ml	99
19) Resorcinol	6.587	110	470278	47.27	ug/ml	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13695.D
Acq On : 8 Oct 2009 2:26 pm
Operator : sheilac
Sample : icv629-50,(Bzth+Resor)
Misc : op12949,Ej629,1000,,,1,1,water
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 08 14:51:49 2009
Quant Method : C:\msdchem\1\METHODS\ej629ben+res.m
Quant Title :
QLast Update : Thu Oct 08 14:50:46 2009
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/13/09 13:37

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13784.D
Acq On : 13 Oct 2009 11:00 am
Operator : sheilac
Sample : cc615-75
Misc : op12949,Ej633,1000,,,1,1,water
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 13 12:20:49 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 16:33:16 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.704	152	555737	40.00	ug/ml	-0.02
20) Naphthalene-d8	5.913	136	1893633	40.00	ug/ml	-0.03
36) Acenaphthene-d10	8.374	164	1102945	40.00	ug/ml	-0.04
57) Phenanthrene-d10	11.155	188	1593994	40.00	ug/ml	-0.05
71) Chrysene-d12	16.685	240	1794959	40.00	ug/ml	-0.05
80) Perylene-d12	19.477	264	951436	40.00	ug/ml	-0.05
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.688	112	2608334	149.56	ug/ml	0.01
Spiked Amount 100.000	Range 10 - 66		Recovery = 149.56%#			
5) Phenol-d5 (SURR)	4.490	99	3340966	153.28	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 53		Recovery = 153.28%#			
21) Nitrobenzene-d5 (SURR)	5.207	82	1459073	73.48	ug/ml	-0.09
Spiked Amount 50.000	Range 29 - 115		Recovery = 146.96%#			
40) 2-Fluorobiphenyl (SURR)	7.309	172	2981922	66.11	ug/ml	-0.23
Spiked Amount 50.000	Range 34 - 113		Recovery = 132.22%#			
62) 2,4,6-Tribromophenol (...	9.834	330	843657	157.30	ug/ml	-0.13
Spiked Amount 100.000	Range 32 - 128		Recovery = 157.30%#			
74) Terphenyl-d14	14.519	244	2422456	56.52	ug/ml	-0.08
Spiked Amount 50.000	Range 12 - 145		Recovery = 113.04%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.447	74	680102m	72.81	ug/ml	
3) Pyridine	2.421	79	1237716m	75.09	ug/ml	
6) Phenol	4.501	94	1826261	77.42	ug/ml	94
7) Aniline	4.464	93	1947339	77.16	ug/ml	96
8) bis(2-Chloroethyl)ether	4.507	93	1421098	61.46	ug/ml	91
9) 2-Chlorophenol	4.560	128	1261222	68.93	ug/ml	99
10) 1,3-Dichlorobenzene	4.656	146	1473615	71.09	ug/ml	100
11) 1,4-Dichlorobenzene	4.721	146	1617119	72.72	ug/ml	100
12) Benzyl Alcohol	4.865	108	879576	68.99	ug/ml	100
13) 1,2-Dichlorobenzene	4.849	146	1510263	72.40	ug/ml	99
14) 2-Methylphenol	4.967	108	1156004	69.91	ug/ml	90
15) bis(2-chloroisopropyl)...	4.950	45	1922261	65.64	ug/ml#	71
16) 4-Methylphenol	5.116	108	1223693	69.95	ug/ml	99
17) m+p-Cresols	5.116	108	1223693	69.95	ug/ml	99
18) n-Nitroso-di-n-propyla...	5.095	70	1064426	67.08	ug/ml	99
19) Hexachloroethane	5.138	117	587981	72.47	ug/ml	99
22) Nitrobenzene	5.229	77	1431924	73.42	ug/ml	99
23) Isophorone	5.464	82	2448489	68.37	ug/ml	99
24) 2-Nitrophenol	5.523	139	668944	74.60	ug/ml	99
25) 2,4-Dimethylphenol	5.608	122	1107499	74.68	ug/ml	98
26) bis(2-Chloroethoxy)met...	5.667	93	1406175	71.25	ug/ml	100
27) Benzoic Acid	5.844	105	763377m	103.65	ug/ml	
28) 2,4-Dichlorophenol	5.801	162	1011561	77.55	ug/ml	99
29) 1,2,4-Trichlorobenzene	5.854	180	1172336	74.69	ug/ml	100
30) Naphthalene	5.940	128	3842215	74.50	ug/ml	100
31) 4-Chloroaniline	6.010	127	1396854	73.48	ug/ml	98
32) Hexachlorobutadiene	6.079	225	737545	74.84	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13784.D
Acq On : 13 Oct 2009 11:00 am
Operator : sheilac
Sample : cc615-75
Misc : op12949,Ej633,1000,,,1,1,water
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 13 12:20:49 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 16:33:16 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
33) 4-Chloro-3-methylphenol	6.641	107	1108887	75.27 ug/ml	99
34) 2-Methylnaphthalene	6.780	142	2327723	73.88 ug/ml	100
35) 1-Methylnaphthalene	6.913	142	2425570	73.50 ug/ml	99
37) Hexachlorocyclopentadiene	7.004	237	339236	65.41 ug/ml	97
38) 2,4,6-Trichlorophenol	7.208	196	653677	71.02 ug/ml	100
39) 2,4,5-Trichlorophenol	7.282	196	715219	63.70 ug/ml	100
41) 2-Chloronaphthalene	7.475	162	2168765	70.37 ug/ml	99
42) 2-Nitroaniline	7.673	65	722702	69.75 ug/ml	100
43) Dimethylphthalate	8.010	163	2468259	66.64 ug/ml	100
44) Acenaphthylene	8.138	152	3579681	68.54 ug/ml	100
45) 2,6-Dinitrotoluene	8.090	165	594618	68.23 ug/ml#	85
46) 3-Nitroaniline	8.379	138	613866	74.84 ug/ml	97
47) Acenaphthene	8.443	154	2167061	70.62 ug/ml	99
48) 2,4-Dinitrophenol	8.566	184	251151	78.79 ug/ml	96
49) 4-Nitrophenol	8.818	65	377039	73.96 ug/ml	95
50) Dibenzofuran	8.737	168	3088059	70.44 ug/ml	99
51) 2,4-Dinitrotoluene	8.791	165	715925	68.60 ug/ml	93
52) 2,3,4,6-Tetrachlorophenol	9.005	232	562710	67.17 ug/ml	100
53) Diethylphthalate	9.256	149	2714959	70.65 ug/ml	99
54) Fluorene	9.363	166	2792600	73.10 ug/ml	100
55) 4-Chlorophenyl-phenyle...	9.379	204	1383992	68.24 ug/ml	100
56) 4-Nitroaniline	9.524	138	450751	72.25 ug/ml	97
58) 1,2-Diphenylhydrazine	9.689	77	3051084	75.27 ug/ml	97
59) 4,6-Dinitro-2-methylph...	9.577	198	361425	67.49 ug/ml	90
60) Diphenylamine	9.647	169	2138143	71.68 ug/ml	99
61) n-Nitrosodiphenylamine	9.647	169	2138143	71.68 ug/ml	99
63) 4-Bromophenyl-phenylether	10.304	248	730834	72.63 ug/ml	99
64) Hexachlorobenzene	10.433	284	786826	71.76 ug/ml	97
65) Pentachlorophenol	10.855	266	297137	70.27 ug/ml	99
66) Phenanthrene	11.315	178	3334270	70.21 ug/ml	99
67) Anthracene	11.315	178	3329871	72.82 ug/ml	99
68) Carbazole	11.684	167	2742858	74.50 ug/ml	99
69) Di-n-butylphthalate	12.508	149	4289534	75.21 ug/ml	100
70) Fluoranthene	13.653	202	3295671	76.54 ug/ml	100
72) Benzidine	14.006	184	1536944	71.09 ug/ml#	100
73) Pyrene	14.113	202	3371828	53.31 ug/ml	100
75) Butylbenzylphthalate	15.621	149	1602840	56.91 ug/ml	99
76) Benzo(a)anthracene	16.664	228	3401661	67.37 ug/ml	100
77) 3,3'-Dichlorobenzidine	16.675	252	1196353	96.67 ug/ml	99
78) Chrysene	16.750	228	2690906	63.22 ug/ml	99
79) bis(2-Ethylhexyl)phtha...	16.899	149	2211134	58.42 ug/ml	100
81) Di-n-octylphthalate	18.188	149	3386388	74.32 ug/ml#	100
82) Benzo(b)fluoranthene	18.798	252	2259597m	71.86 ug/ml	
83) Benzo(k)fluoranthene	18.857	252	2118042	73.75 ug/ml	99
84) Benzo(a)pyrene	19.381	252	1946048	72.49 ug/ml#	11
85) Indeno(1,2,3-cd)pyrene	21.553	276	1359343	60.05 ug/ml	96
86) Dibenz(a,h)anthracene	21.579	278	1184034	63.02 ug/ml	97
87) Benzo(g,h,i)perylene	22.130	276	908615	53.13 ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13784.D
Acq On : 13 Oct 2009 11:00 am
Operator : sheilac
Sample : cc615-75
Misc : op12949,Ej633,1000,,,1,1,water
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 13 12:20:49 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 16:33:16 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

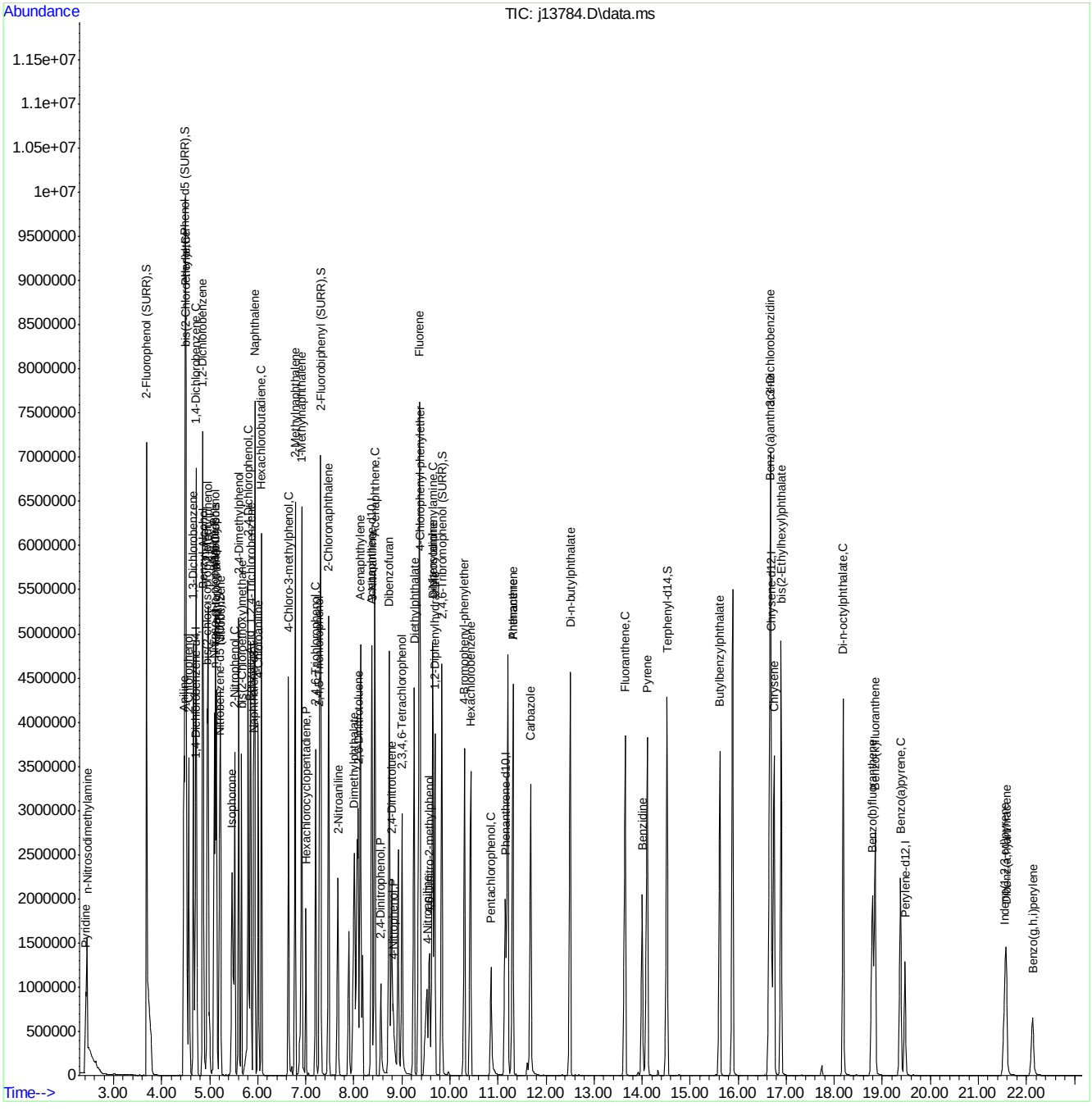
8.6.44

8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13784.D
Acq On : 13 Oct 2009 11:00 am
Operator : sheilac
Sample : cc615-75
Misc : op12949,Ej633,1000,,,1,1,water
ALS Vial : 2 Sample Multiplier: 1

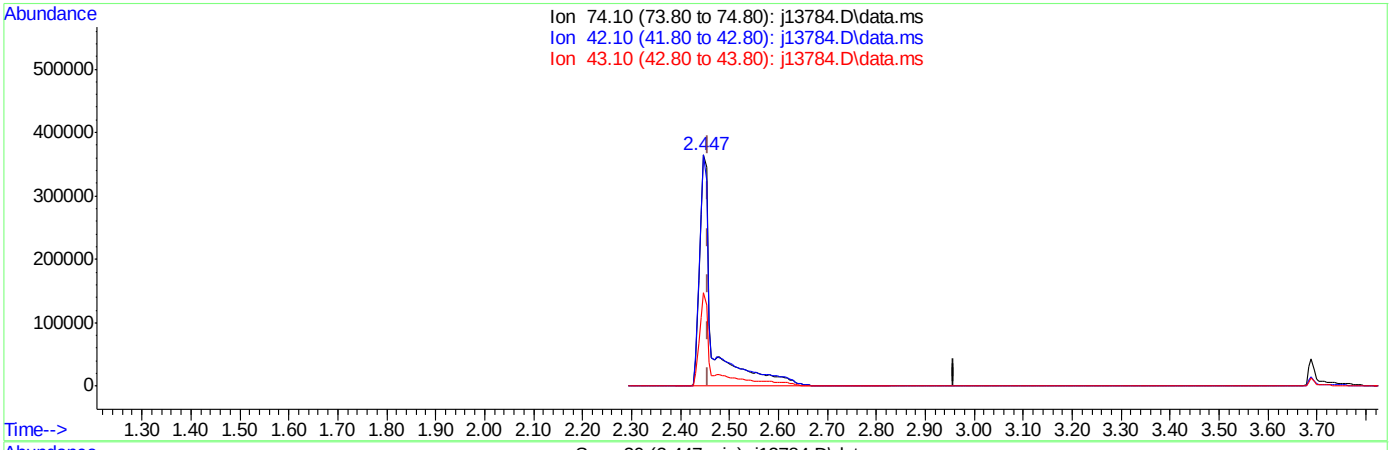
Quant Time: Oct 13 12:20:49 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 16:33:16 2009
Response via : Initial Calibration

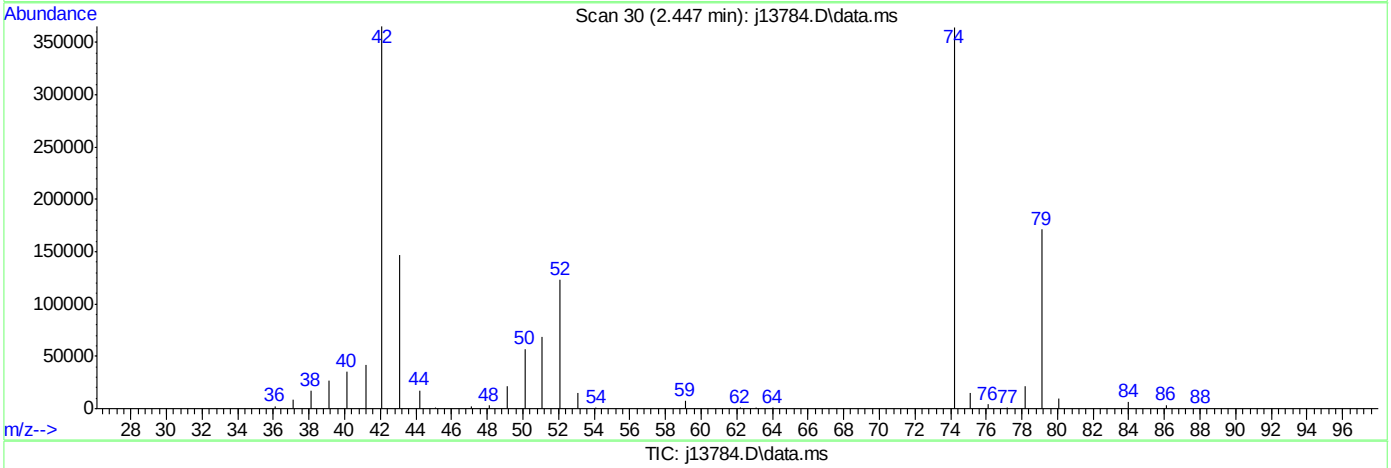


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13784.D
Acq On : 13 Oct 2009 11:00 am
Operator : sheilac
Sample : cc615-75
Misc : op12949,Ej633,1000,,,1,1,water
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 13 12:20:49 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 16:33:16 2009
Response via : Initial Calibration





TIC: j13784.D\data.ms

(2) n-Nitrosodimethylamine

2.447min (-0.011) 72.81ug/ml m

response 680102

Ion	Exp%	Act%
74.10	100	100
42.10	100.50	64.32#
43.10	40.10	25.63
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13784.D
Acq On    : 13 Oct 2009  11:00 am
Operator  : sheilac
Sample    : cc615-75
Misc      : op12949,Ej633,1000,,,1,1,water
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: Oct 13 12:20:49 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :
QLast Update : Fri Oct 09 16:33:16 2009
Response via : Initial Calibration
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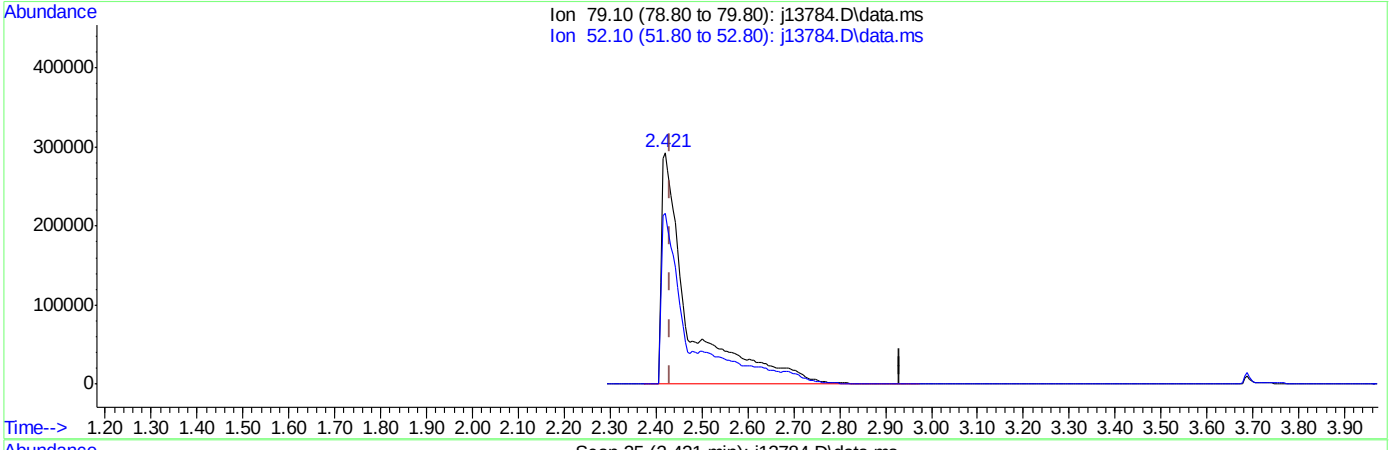
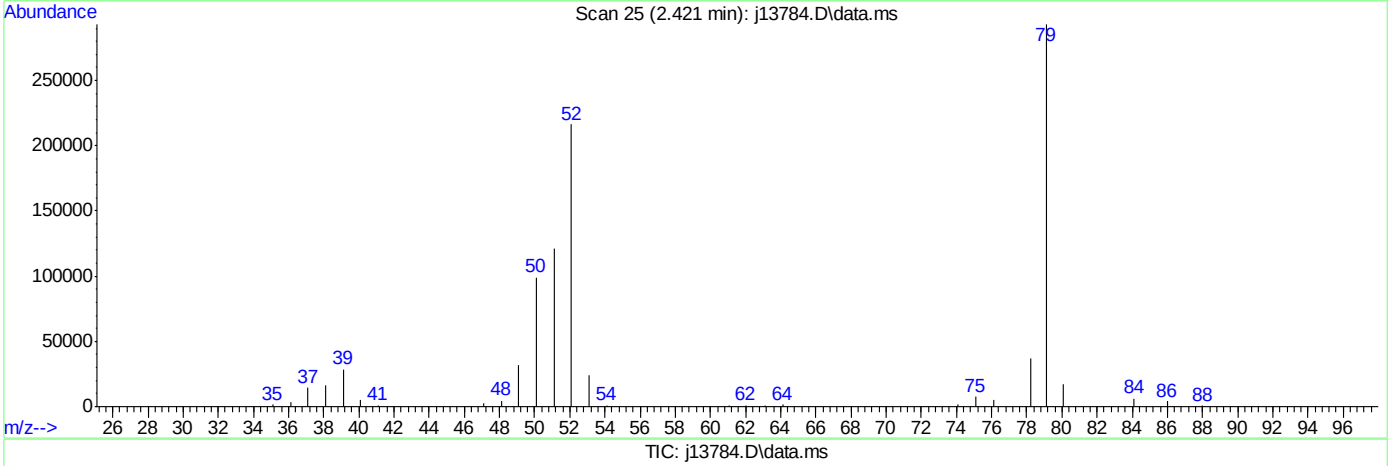




TIC: j13784.D\data.ms

(3) Pyridine

2.421min (-0.011) 75.09ug/ml m

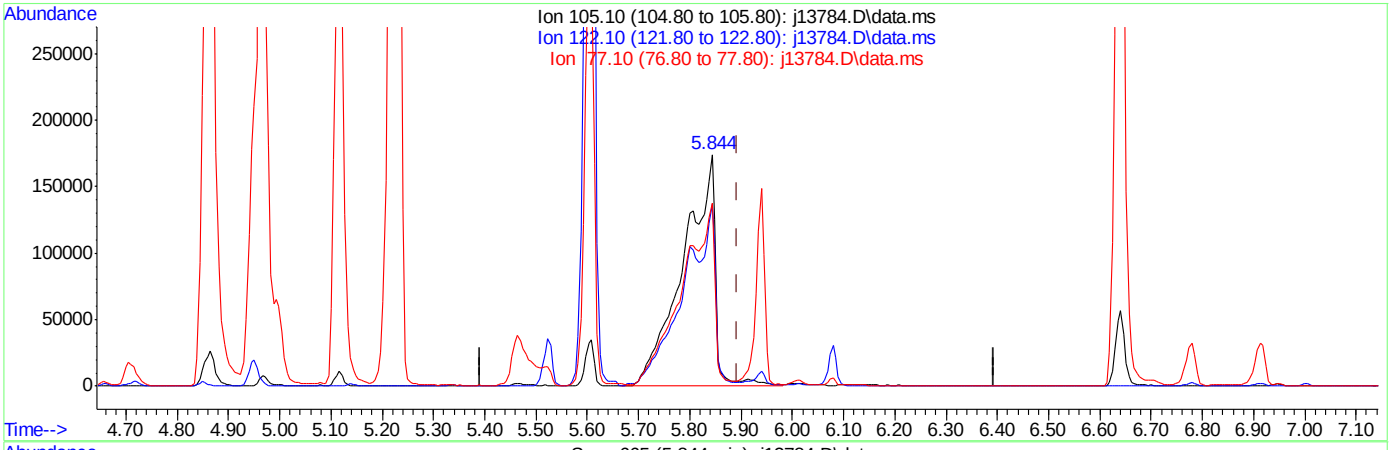
response 1237716

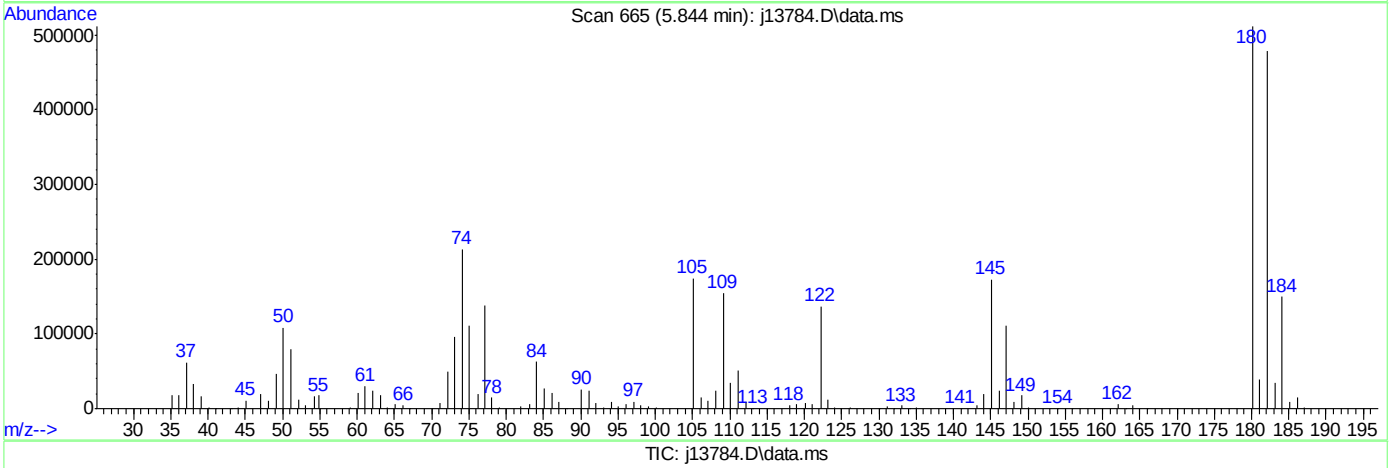
Ion	Exp%	Act%
79.10	100	100
52.10	72.60	42.75#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13784.D
Acq On : 13 Oct 2009 11:00 am
Operator : sheilac
Sample : cc615-75
Misc : op12949,Ej633,1000,,,1,1,water
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 13 12:20:49 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 16:33:16 2009
Response via : Initial Calibration





TIC: j13784.D\data.ms

(27) Benzoic Acid

5.844min (-0.049) 103.65ug/ml m

response 763377

Ion	Exp%	Act%
105.10	100	100
122.10	75.20	20.93#
77.10	81.90	22.58#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej633\
Data File : j13784.D
Acq On    : 13 Oct 2009  11:00 am
Operator  : sheilac
Sample    : cc615-75
Misc      : op12949,Ej633,1000,,,1,1,water
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: Oct 13 12:20:49 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :
QLast Update : Fri Oct 09 16:33:16 2009
Response via : Initial Calibration
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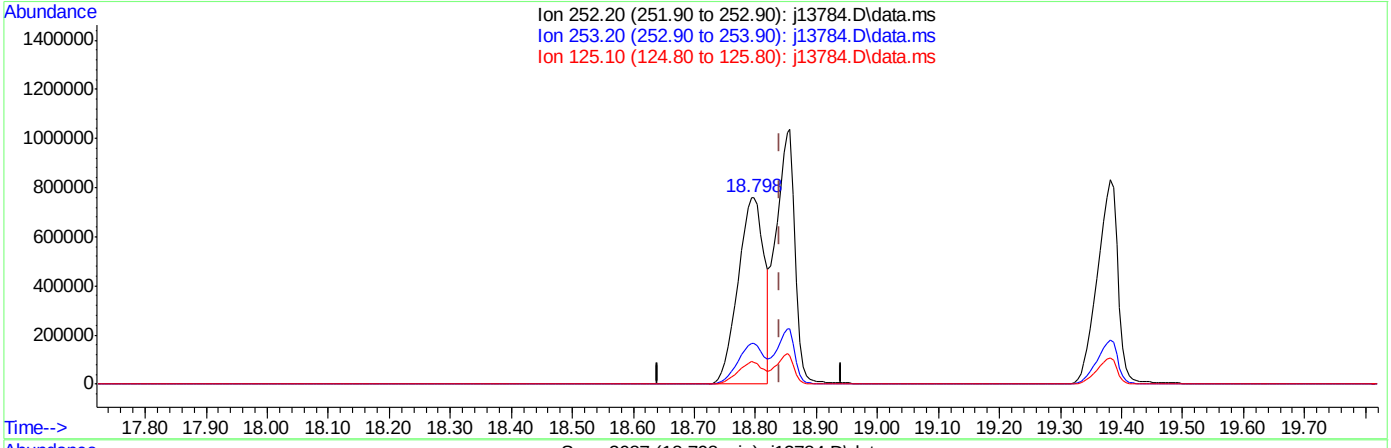
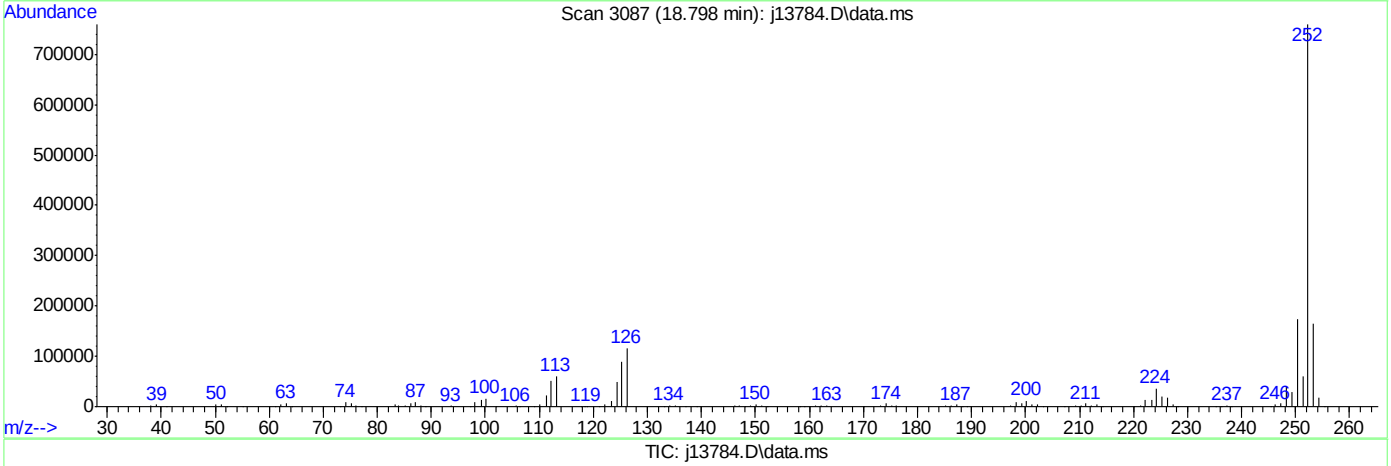




TIC: j13784.D\data.ms

(82) Benzo(b)fluoranthene

18.798min (-0.043) 71.86ug/ml m

response 2259597

Ion	Exp%	Act%
252.20	100	100
253.20	22.00	20.01
125.10	11.50	11.37
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/20/09 08:29

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej635\
Data File : j13837.D
Acq On : 15 Oct 2009 10:48 am
Operator : sheilac
Sample : cc615-50
Misc : op12949,Ej635,1000,,,1,1,water
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 11:51:26 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Oct 14 12:22:32 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.710	152	539415	40.00	ug/ml	-0.02
20) Naphthalene-d8	5.919	136	1885588	40.00	ug/ml	0.02
36) Acenaphthene-d10	8.384	164	1052291	40.00	ug/ml	-0.03
57) Phenanthrene-d10	11.155	188	1359423	40.00	ug/ml	-0.05
71) Chrysene-d12	16.685	240	968945	40.00	ug/ml	-0.05
80) Perylene-d12	19.477	264	501293	40.00	ug/ml	-0.05
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.694	112	1744971	103.08	ug/ml	0.02
Spiked Amount 100.000	Range 10 - 66		Recovery = 103.08%#			
5) Phenol-d5 (SURR)	4.496	99	2378459	112.42	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 53		Recovery = 112.42%#			
21) Nitrobenzene-d5 (SURR)	5.213	82	1046768	52.94	ug/ml	-0.09
Spiked Amount 50.000	Range 29 - 115		Recovery = 105.88%			
40) 2-Fluorobiphenyl (SURR)	7.315	172	2051651	50.05	ug/ml	-0.23
Spiked Amount 50.000	Range 34 - 113		Recovery = 100.10%			
62) 2,4,6-Tribromophenol (...	9.834	330	458774	100.30	ug/ml	-0.13
Spiked Amount 100.000	Range 32 - 128		Recovery = 100.30%			
74) Terphenyl-d14	14.519	244	1143825	49.44	ug/ml	-0.08
Spiked Amount 50.000	Range 12 - 145		Recovery = 98.88%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.458	74	472901	52.16	ug/ml	98
3) Pyridine	2.437	79	854657m	53.42	ug/ml	
6) Phenol	4.501	94	1306645	57.07	ug/ml	98
7) Aniline	4.469	93	1381955	54.34	ug/ml	93
8) bis(2-Chloroethyl)ether	4.512	93	995342	44.35	ug/ml	88
9) 2-Chlorophenol	4.565	128	865868	48.76	ug/ml	99
10) 1,3-Dichlorobenzene	4.662	146	992615	49.34	ug/ml	98
11) 1,4-Dichlorobenzene	4.726	146	1098109	50.88	ug/ml	88
12) Benzyl Alcohol	4.865	108	596651	48.22	ug/ml	98
13) 1,2-Dichlorobenzene	4.854	146	1023679	50.56	ug/ml	100
14) 2-Methylphenol	4.972	108	806944	50.28	ug/ml#	89
15) bis(2-chloroisopropyl)...	4.956	45	1424974	50.13	ug/ml#	74
16) 4-Methylphenol	5.116	108	825997	48.65	ug/ml#	68
17) m+p-Cresols	5.116	108	825997	48.65	ug/ml#	68
18) n-Nitroso-di-n-propyla...	5.095	70	761279	49.43	ug/ml	98
19) Hexachloroethane	5.143	117	396553	50.35	ug/ml	99
22) Nitrobenzene	5.229	77	1035195	53.30	ug/ml	99
23) Isophorone	5.464	82	1762175	49.42	ug/ml	98
24) 2-Nitrophenol	5.528	139	448256	50.20	ug/ml	97
25) 2,4-Dimethylphenol	5.608	122	771618	52.26	ug/ml	98
26) bis(2-Chloroethoxy)met...	5.667	93	1009852	51.39	ug/ml	100
27) Benzoic Acid	5.806	105	378720	51.64	ug/ml#	87
28) 2,4-Dichlorophenol	5.806	162	686908	52.88	ug/ml	99
29) 1,2,4-Trichlorobenzene	5.860	180	805168	51.52	ug/ml	100
30) Naphthalene	5.945	128	2727451	53.11	ug/ml	99
31) 4-Chloroaniline	6.015	127	967389	51.67	ug/ml	97
32) Hexachlorobutadiene	6.084	225	514875	52.47	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej635\
Data File : j13837.D
Acq On : 15 Oct 2009 10:48 am
Operator : sheilac
Sample : cc615-50
Misc : op12949,Ej635,1000,,,1,1,water
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 11:51:26 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Oct 14 12:22:32 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 4-Chloro-3-methylphenol	6.641	107	725173	49.43	ug/ml	99
34) 2-Methylnaphthalene	6.785	142	1624487	51.78	ug/ml	99
35) 1-Methylnaphthalene	6.919	142	1701922	51.79	ug/ml	99
37) Hexachlorocyclopentadiene	7.010	237	119153	30.34	ug/ml	97
38) 2,4,6-Trichlorophenol	7.213	196	425812	48.49	ug/ml	100
39) 2,4,5-Trichlorophenol	7.288	196	441651	42.56	ug/ml	100
41) 2-Chloronaphthalene	7.486	162	1478319	50.28	ug/ml	99
42) 2-Nitroaniline	7.673	65	490077	49.58	ug/ml	97
43) Dimethylphthalate	8.005	163	1603485	45.38	ug/ml	100
44) Acenaphthylene	8.144	152	2383057	47.82	ug/ml	100
45) 2,6-Dinitrotoluene	8.085	165	375109	45.12	ug/ml#	79
46) 3-Nitroaniline	8.374	138	382603	49.36	ug/ml	99
47) Acenaphthene	8.443	154	1439713	49.17	ug/ml	100
48) 2,4-Dinitrophenol	8.566	184	130500	48.80	ug/ml	90
49) 4-Nitrophenol	8.823	65	156124	33.45	ug/ml	93
50) Dibenzofuran	8.743	168	2000444	47.83	ug/ml	98
51) 2,4-Dinitrotoluene	8.791	165	434110	43.60	ug/ml	98
52) 2,3,4,6-Tetrachlorophenol	9.005	232	322466	41.67	ug/ml	98
53) Diethylphthalate	9.245	149	1660948	45.30	ug/ml	99
54) Fluorene	9.363	166	1736477	47.64	ug/ml	100
55) 4-Chlorophenyl-phenyle...	9.379	204	849113	45.23	ug/ml	99
56) 4-Nitroaniline	9.502	138	257296	43.23	ug/ml	94
58) 1,2-Diphenylhydrazine	9.684	77	1778001	51.43	ug/ml	99
59) 4,6-Dinitro-2-methylph...	9.561	198	197625	45.36	ug/ml	97
60) Diphenylamine	9.636	169	1304519	51.28	ug/ml	100
61) n-Nitrosodiphenylamine	9.636	169	1304519	51.28	ug/ml	100
63) 4-Bromophenyl-phenylether	10.310	248	434501	50.63	ug/ml	98
64) Hexachlorobenzene	10.433	284	462187	49.43	ug/ml	96
65) Pentachlorophenol	10.861	266	140850	44.73	ug/ml	98
66) Phenanthrene	11.208	178	2002763	49.45	ug/ml	99
67) Anthracene	11.310	178	1910710	49.00	ug/ml	99
68) Carbazole	11.684	167	1460762	46.52	ug/ml	99
69) Di-n-butylphthalate	12.508	149	2303996	47.37	ug/ml	99
70) Fluoranthene	13.647	202	1645504	44.81	ug/ml	99
72) Benzidine	14.000	184	466738	52.31	ug/ml#	99
73) Pyrene	14.107	202	1657337	48.54	ug/ml	100
75) Butylbenzylphthalate	15.621	149	725947	47.74	ug/ml	98
76) Benzo(a)anthracene	16.659	228	1337966	49.08	ug/ml	98
77) 3,3'-Dichlorobenzidine	16.664	252	380672	56.98	ug/ml	100
78) Chrysene	16.739	228	1125548	48.99	ug/ml	99
79) bis(2-Ethylhexyl)phtha...	16.899	149	967809	47.37	ug/ml	98
81) Di-n-octylphthalate	18.188	149	1401136	53.08	ug/ml#	100
82) Benzo(b)fluoranthene	18.798	252	845795	51.05	ug/ml	96
83) Benzo(k)fluoranthene	18.846	252	862446	57.00	ug/ml	99
84) Benzo(a)pyrene	19.381	252	737177	52.12	ug/ml#	10
85) Indeno(1,2,3-cd)pyrene	21.569	276	603626	50.61	ug/ml	96
86) Dibenz(a,h)anthracene	21.590	278	504123	50.93	ug/ml	96
87) Benzo(g,h,i)perylene	22.146	276	436651	48.46	ug/ml	98

Quantitation Report (QT Reviewed)

```
Data Path : C:\msdchem\1\DATA\ej635\
Data File : j13837.D
Acq On    : 15 Oct 2009  10:48 am
Operator  : sheilac
Sample    : cc615-50
Misc      : op12949,Ej635,1000,,,1,1,water
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: Oct 15 11:51:26 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :
QLast Update : Wed Oct 14 12:22:32 2009
Response via : Initial Calibration

        Compound                  R.T. QIon  Response  Conc Units Dev(Min)
 ---------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration (+) = signals summed
```

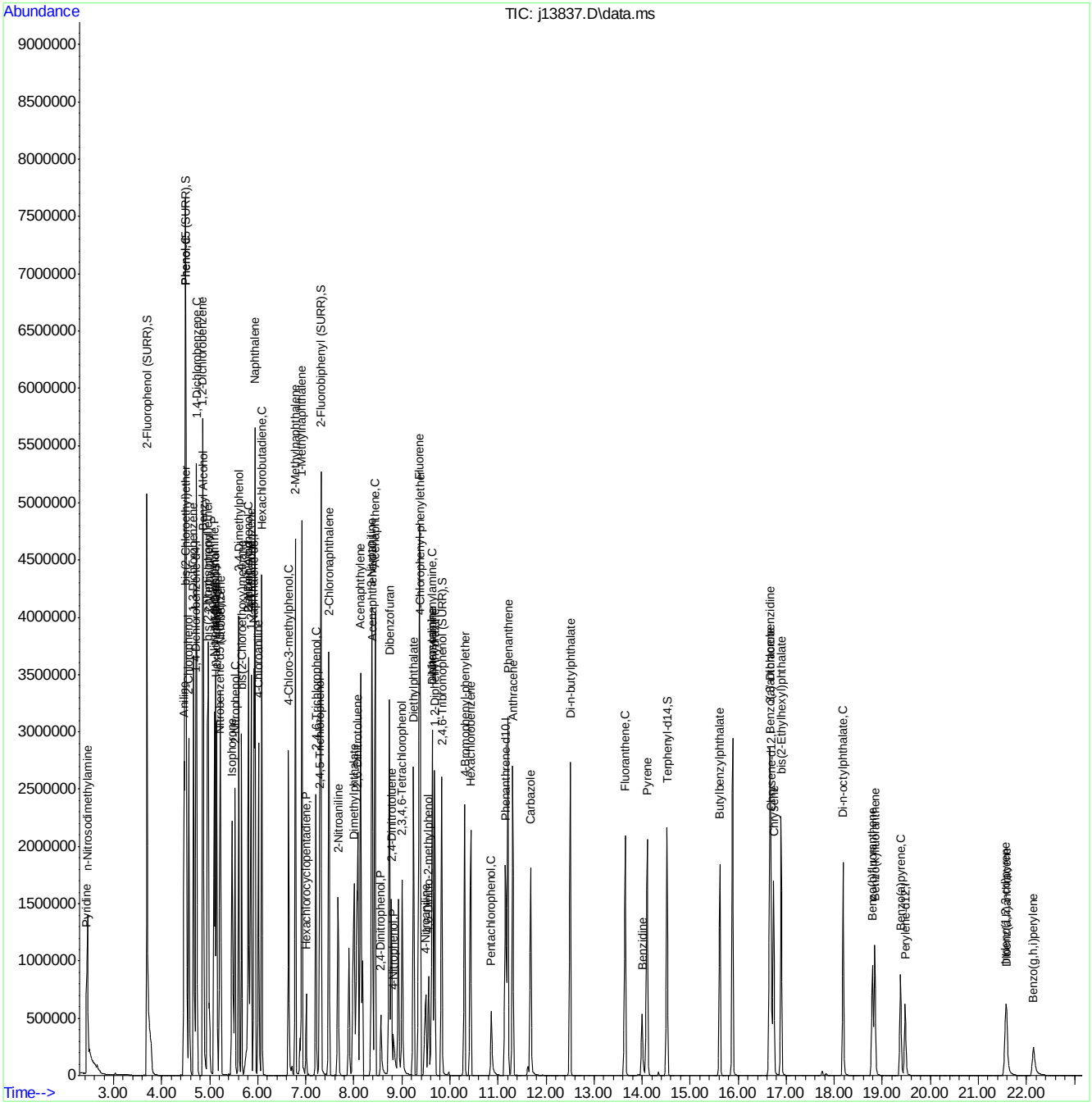
8.6.45

8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej635\
Data File : j13837.D
Acq On : 15 Oct 2009 10:48 am
Operator : sheilac
Sample : cc615-50
Misc : op12949,Ej635,1000,,,1,1,water
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 11:51:26 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Oct 14 12:22:32 2009
Response via : Initial Calibration

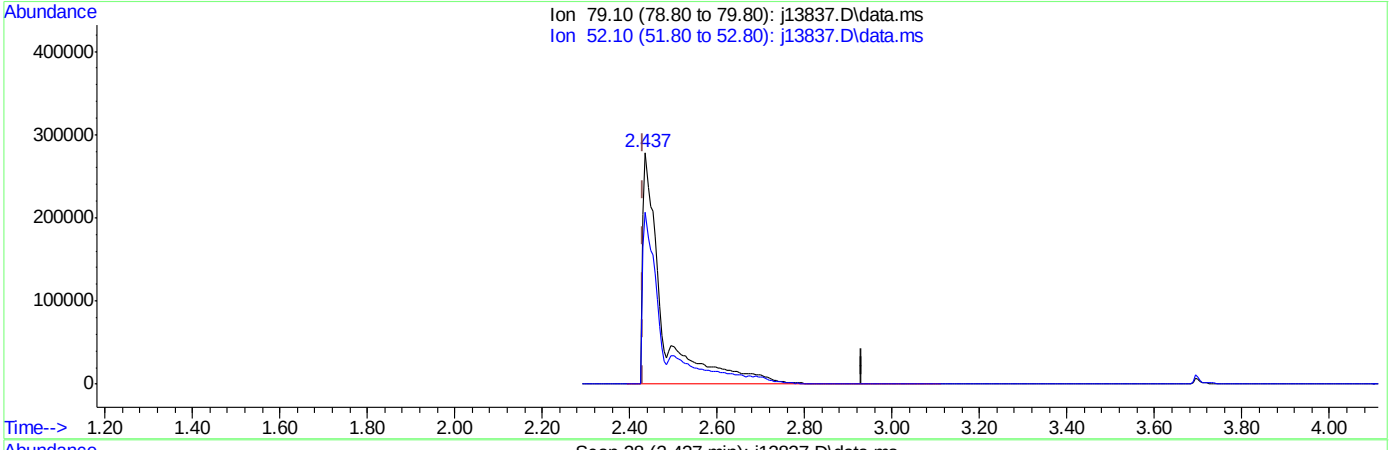


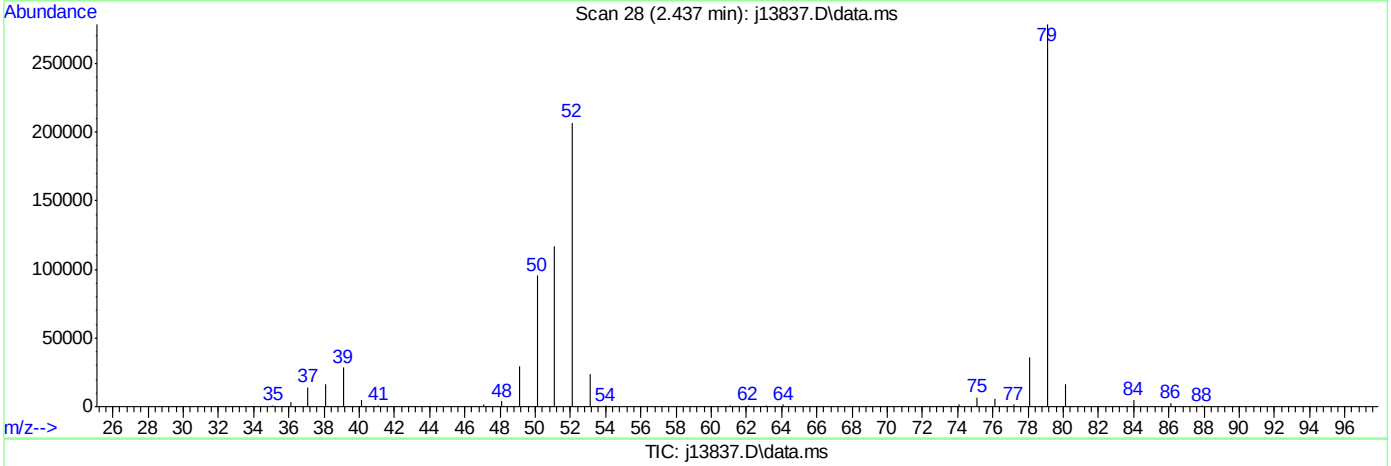
ACCUTEST Laboratories T39513

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej635\
Data File : j13837.D
Acq On : 15 Oct 2009 10:48 am
Operator : sheilac
Sample : cc615-50
Misc : op12949,Ej635,1000,,,1,1,water
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 11:51:26 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Oct 14 12:22:32 2009
Response via : Initial Calibration





(3) Pyridine

2.437min (+0.005) 53.42ug/ml m

response 854657

Ion	Exp%	Act%
79.10	100	100
52.10	72.60	47.35#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej635\
Data File : j13838.D
Acq On : 15 Oct 2009 11:20 am
Operator : sheilac
Sample : cc629-50,(Bzth+Resor)
Misc : op12949,Ej635,1000,,,1,1,water
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 15 11:49:35 2009
Quant Method : C:\msdchem\1\METHODS\ej629ben+res.m
Quant Title :
QLast Update : Thu Oct 08 14:53:20 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.710	152	628867	40.00	ug/ml	-0.02
14) Naphthalene-d8	5.913	136	2234616	40.00	ug/ml	-0.02
21) Acenaphthene-d10	8.368	164	1152689	40.00	ug/ml	-0.04
27) Phenanthrene-d10	11.144	188	1419882	40.00	ug/ml	-0.05
33) Chrysene-d12	16.664	240	742976	40.00	ug/ml	-0.04
40) Perylene-d12	19.472	264	465152	40.00	ug/ml	-0.04
System Monitoring Compounds						
3) 2-Fluorophenol (SURR)	3.699	112	2342266	99.21	ug/ml	-0.02
Spiked Amount 100.000	Range 10 - 66		Recovery = 99.21%#			
5) Phenol-d5 (SURR)	4.485	99	2957384	98.96	ug/ml	-0.03
Spiked Amount 100.000	Range 10 - 53		Recovery = 98.96%#			
15) Nitrobenzene-d5 (SURR)	5.202	82	1348678	49.68	ug/ml	-0.03
Spiked Amount 50.000	Range 29 - 115		Recovery = 99.36%			
22) 2-Fluorobiphenyl (SURR)	7.309	172	2468538	53.55	ug/ml	-0.04
Spiked Amount 50.000	Range 34 - 113		Recovery = 107.10%			
28) 2,4,6-Tribromophenol (...	9.812	330	491999	101.02	ug/ml	-0.06
Spiked Amount 100.000	Range 32 - 128		Recovery = 101.02%			
35) Terphenyl-d14	14.509	244	1142831	51.91	ug/ml	-0.06
Spiked Amount 50.000	Range 12 - 145		Recovery = 103.82%			
Target Compounds						Qvalue
4) Benzenethiol	4.389	110	1133894	48.10	ug/ml	99
19) Resorcinol	6.555	110	650417m	40.37	ug/ml	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

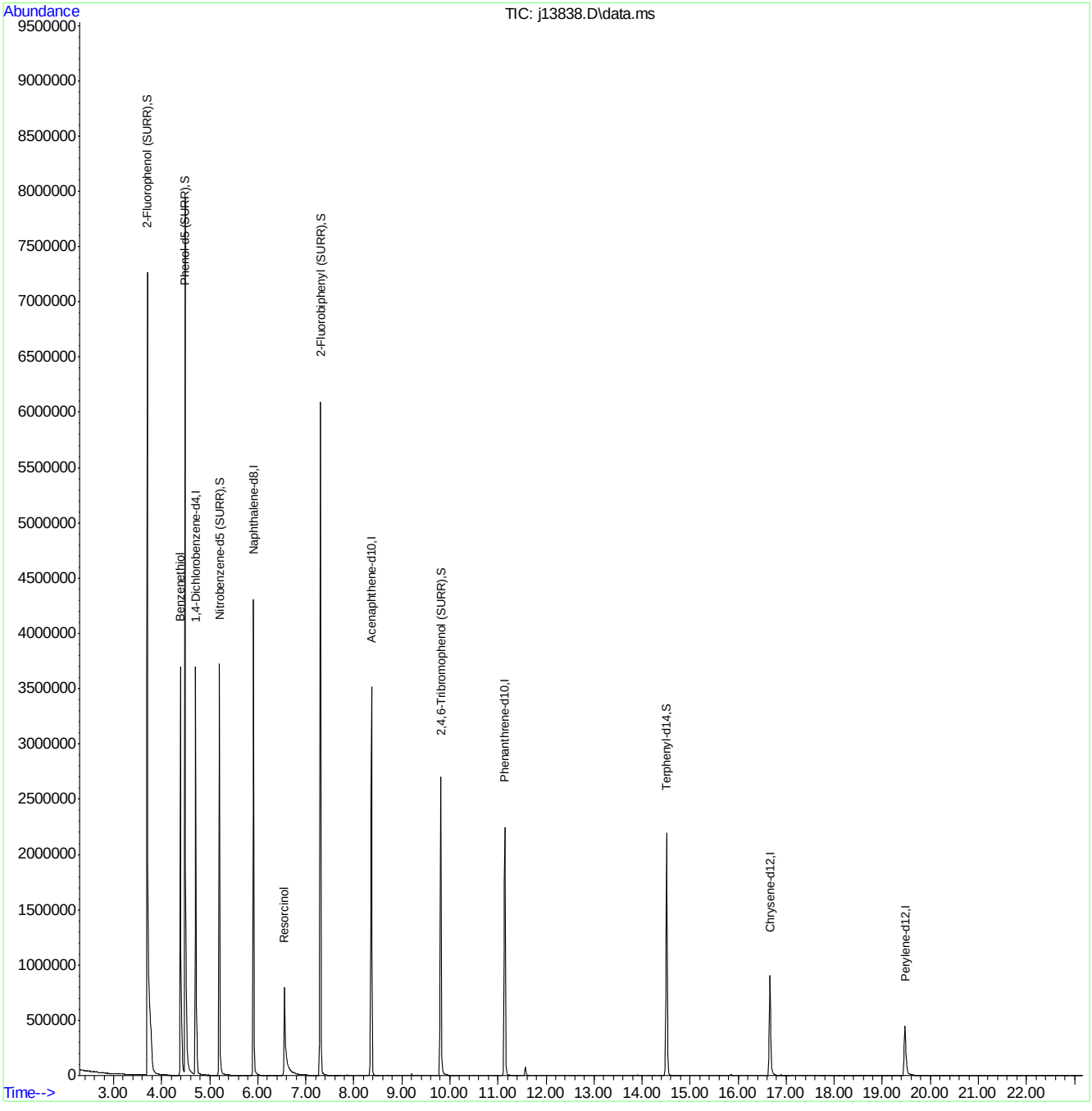
8.6.46

8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej635\
Data File : j13838.D
Acq On : 15 Oct 2009 11:20 am
Operator : sheilac
Sample : cc629-50,(Bzth+Resor)
Misc : op12949,Ej635,1000,,,1,1,water
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 15 11:49:35 2009
Quant Method : C:\msdchem\1\METHODS\ej629ben+res.m
Quant Title :
QLast Update : Thu Oct 08 14:53:20 2009
Response via : Initial Calibration

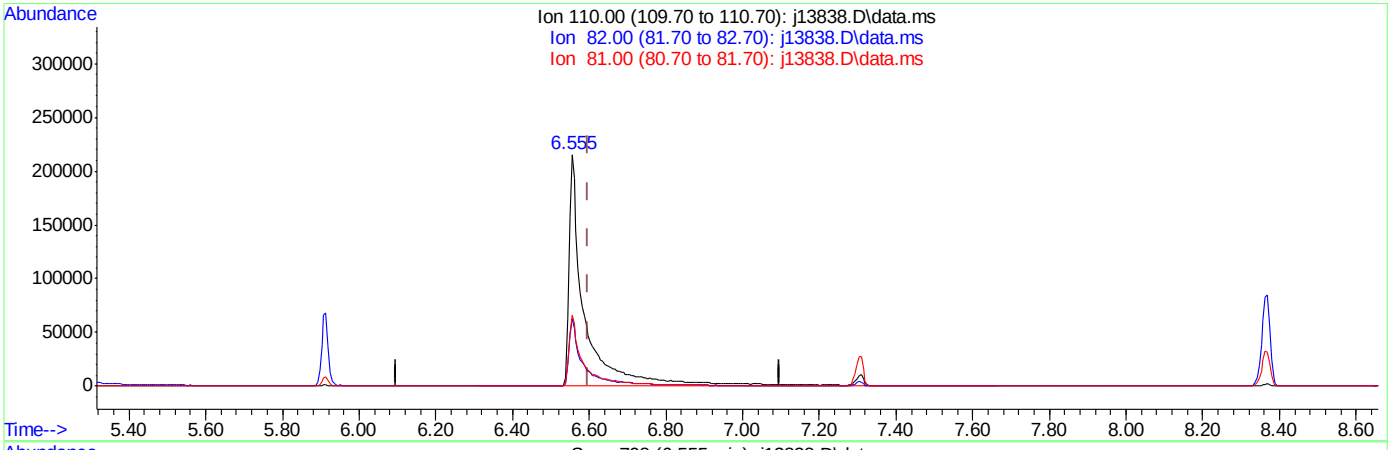


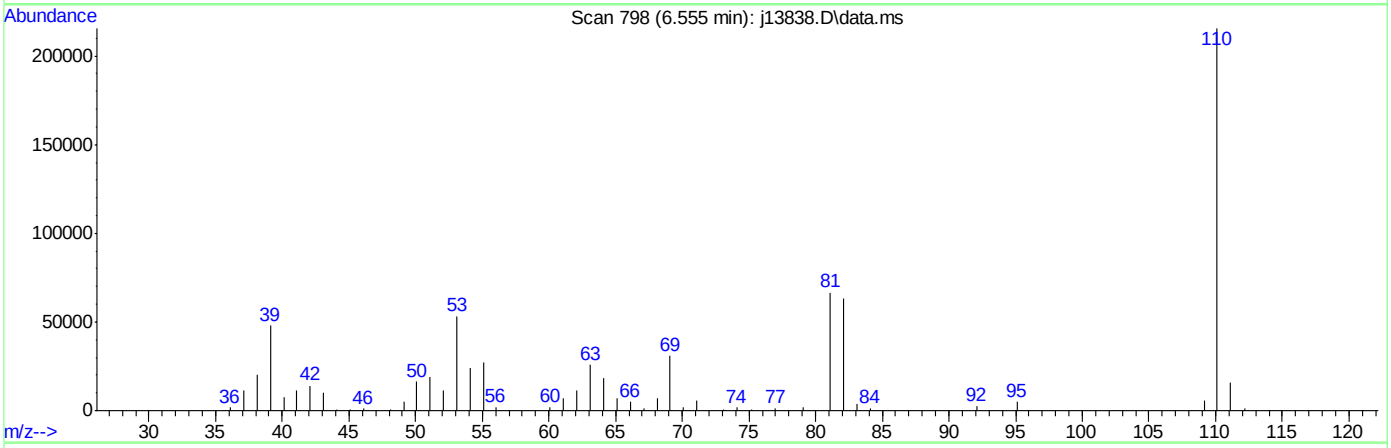
ACCUTEST Laboratories T39513

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej635\
Data File : j13838.D
Acq On    : 15 Oct 2009  11:20 am
Operator  : sheilac
Sample    : cc629-50,(Bzth+Resor)
Misc      : op12949,Ej635,1000,,,1,1,water
ALS Vial  : 3   Sample Multiplier: 1

Quant Time: Oct 15 11:49:35 2009
Quant Method : C:\msdchem\1\METHODS\ej629ben+res.m
Quant Title  :
QLast Update : Thu Oct 08 14:53:20 2009
Response via : Initial Calibration
```





(19) Resorcinol

6.555min (-0.043) 40.37ug/ml m

response 650417

Ion	Exp%	Act%
110.00	100	100
82.00	27.20	24.86
81.00	29.30	25.84
0.00	0.00	0.00

ACCUTEST.

GC/MS SEMIVOLATILE ANALYSIS LOG

Batch ID: EH1918

Date: 10/21/2009 P.1 of 2

Analyst Signature: Sheila Chang

Standard Data

Ref #	Description
1	MS799
2	MS8240-5
3	-4
4	-1
5	-2
6	-6
7	-7

Standard Data

Ref #	Description
8	MS794
9	IC-MS835A

Columns: RTX,5ml

SW-846/EPA Method 8270SIM PAH

Initial Cal. Method H102195Pim

Calibration Date: 10/21/09

Injection Volume: 1ul

Solvent ID #: ep091012B3

Solvent: DCM

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor:

Ref #	Data File	ALS#	Sample ID	Method	MTX	OP Batch	Dilution	Run OK	Comments	Initials
1	H35512	1	dfbpp	dfbpp				✓	10-48Am	Sc
2	13	2	ICE1918-2.5	HSLMBSPP				✓		
3	14	3	IC1918-1					✓		
4	15	4	-0.1					✓		
5	16	5	-0.2					✓		
6	17	6	-5					✓		
7	18	7	-10					✓		
8	19	8	ICV1918-2.5					✓		
9	20	9	op13270-mb		W	13270	1	✓	use 8270SC extract 5ul x10	
	21	10	-bs				1	✓		
	22	11	-bsd				1	✓		
	23	12	T39287-1		W	13269	1	✓		
	24	13	T39314-1				1	✓		
	25	14	T39314-3				1	✓	acenaphthene ↑	
	26	15	-4				1	✓	OK	
	27	16	T39314-6,10x				10	✓	acenaphthene 5.52	
	28	17	-3,4x				4	✓	acenaphthene 5.43	
	29	18	op13269-ms				1	✓	T39314-2ms	
	30	19	-msd				1	✓		
	31	20	T39289-1		W	13270	1	✓	IS OK, surr deuterated ↑	no need for sim

MTX = Matrix Designate W for water, S for soil, O for oil.

ACCUTEST.

GC/MS SEMIVOLATILE ANALYSIS LOG

Batch ID: EH1918

Date: 10/21/2009 P. 2 of 2

Analyst Signature: Sheila Cheng

Standard Data	
Ref #	Description
9	IS-MS8315A

Standard Data	
Ref #	Description

Columns: See page 85

SW-846/EPA Method

Initial Cal. Method

Calibration Date:

Injection Volume:

Solvent ID #: NA

Solvent: NA

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor:

Ref #	Data File	ALS#	Sample ID	Method	MTX	OP Batch	Dilution	Run OK	Comments	Initials
9	H35532	21	T39289-2	HSIMBSPP	W	13270	1	✓	ok	SC
	33	22	-3				1	✓	ok	
	34	23	-4				1	✓		
	35	24	T39423-1				1	✓	9=33 pm IS↓, RRm EH1919 OK, DNR	
	36	25	-2				1	•	10=02 pm IS↓ Sensitivity↑ NO, DNR	
	37	26	-3				1	•	10=31 pm IS↓ SC OK	
	38	27	-4				1	X	11=00 pm outside tune tolerance	
	39	28	-5				1			
	40	29	-6				1			
	41	30	-7				1			

SC 10/21/2009

MTX = Matrix Designate W for water, S for soil, O for oil.

ACCUTEST.

GC/MS SEMIVOLATILE ANALYSIS LOG

Batch ID: EH1919

Date: 10/22/2009 P.1 of 2

Analyst Signature: Shirley Cheng

Standard Data

Ref #	Description
1	MS799
2	MS840-5
3	-4
4	-3
5	-2
6	-7
7	-6

SC 10/22/09

Standard Data

Ref #	Description
8	~~MS799~~ 840-5
9	MS 794 SC 10/22/09
10	IS-MS835A

Columns: RTX-5Sil

SW-846/EPA Method 8270 SIM PAH

Initial Cal. Method H102295P.m

Calibration Date: 10/22/09

Injection Volume: 1 ul

Solvent ID #: OP D91012B3

Solvent: DCM

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor: _____

Ref #	Data File	ALS#	Sample ID	Method	MTX	OP Batch	Dilution	Run OK	Comments	Initials
1	H35542	1	dfOPP	dfOPP				X	PCP tailing 75 cut more column	SC
1	43	1	↓	↓				✓	jl=03 Am	
2	44	2	CC1918-2.5 SC 10/22/09	HS1MBSPP				X		
3	45	3	TC1919-1					✓		
4	46	4	-a1					✓		
5	47	5	-a2					✓		
6	48	6	-b0					✓		
7	49	7	-5					✓		
8	50	8	TCW1919-2.5					✓		
9	51	9	TCW1919-2.5					✓		
10	52	10	OP13271-mb		W	13271	1	✓	use SC705L extract 5a x10	
	53	11	-b5				1	✓	1/10	
	54	12	-b5d				1	✓	1/10	
	55	13	T39423-1				1	✓		
	56	14	-2				1	✓		
	57	15	-3				1	✓		
	58	16	-4				1	✓		
	59	17	-5				1	✓		
	60	18	-6				1	✓		
↓	↓	61	19	↓	↓	↓	1	✓		✓

MTX = Matrix Designate W for water, S for soil, O for oil.

ACCUTEST. Laboratories T39513

ACCUTEST.

GC/MS SEMIVOLATILE ANALYSIS LOG

Batch ID: EH1919

Date: 10/22/2009 P. 2 of 2

Analyst Signature: [signature]

Standard Data	
Ref #	Description
10	IS-MS8357A

Standard Data	
Ref #	Description

Columns: All-page 87

SW-846/EPA Method

Initial Cal. Method

Calibration Date:

Injection Volume:

Solvent ID #:

Solvent:

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor:

Ref #	Data File	ALS#	Sample ID	Method	MTX	OP Batch	Dilution	Run OK	Comments	Initials
10	H35562	20	T39513-1	HSIMBSPP	W	13270	1	✓		SC
	63	21	-2				1	✓	44,47 acenaph, fluorene, phenanthrene, fluoranthene, pyr. ↑	
	64	22	-3				1	✓	acenaphthene 27,4, naph ↑	
	65	23	-6				1	✓	IS 6↓, RRX1 ~~RRX4 for fluoranthene~~ DKR SC 10/22/09	
	66	24	-4				1	✓	naph, acenaphthene, 10:27pm	
	67	25	T39646-6		W	13271	1	-	IS out, RRX4 10:49pm	
	68	26	-7				1	X	11:18 pm, autoclave time time for screening	
	69	27	-8				1			
	70	28	-9				1			
	71	29	-10				1			
	72	30	-11				1			
	73	31	-1,4X				4			
	74	32	-2,10X				10			
	75	33	-3,10X				10			
	76	34	-4,10X				10			
	77	35	-5,10X				10			
									SC 10/23/09	

MTX = Matrix Designate W for water, S for soil, O for oil.

ACCUTEST.

GC/MS SEMIVOLATILE ANALYSIS LOG

Batch ID: EH1920

Date: 10/23/2009 P.1 of 2

Analyst Signature: Sheila Lane

Standard Data	
Ref #	Description
1	MS799
2	MS890-5
3	-4
4	-1
5	-2
6	-6
7	-7

Standard Data	
Ref #	Description
8	~~MS890~~ MS794
9	IS-MS890A
10	

Columns: RTX-5Sil

SW-846/EPA Method 8270Simpaah

Initial Cal. Method H102395p.m

Calibration Date: 10/23/09

Injection Volume: 1 µl

Solvent ID #: OP09101283

Solvent: DCM

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor: _____

Ref #	Data File	ALS#	Sample ID	Method	MTX	OP Batch	Dilution	Run OK	Comments	Initials
1	H35579	1	dfopp	dfopp				✓	10=52Am	SL
2	80	2	ICL1920-25	HSIMBSPP				✓		
3	81	3	ICL1920-1					✓		
4	82	4	-0.1					✓		
5	83	5	-0.2					✓		
6	84	6	-5					✓		
7	85	7	-10					✓		
8	86	8	ICV1920-25					✓		
9	87	9	OP13271-MB		W	13271	1	✓		
for SL	88	10	T39646-7				1	✓	IS/SU OK	
10/23/09	89	11	-8				1	✓	OK	
	90	12	-9				1	✓	IS↓↑ RRX10 for IS	
	91	13	-10				1	✓	IS↑, Chro	
	92	14	-11				1	✓	IS↓↑ SU OK acenaphthene, fluorene, phenanthrene, RRX10 for IS, fluoranthene	
	93	15	-10, 4X				4	✓	IS/SU OK naph, acenaphthene↑	
	94	16	-1, 4X				4	✓	IS/SU OK naph, acenaph, fluorene, phen↑	
	95	17	-2, 10X				10	✓	IS OK SU↑ need RRX40 naph, acenaphthene, fluorene, phenanthrene	
	96	18	-3, 10X				10	✓	IS OK, SU OK, naph↑	
	97	19	-4, 10X				10	✓	IS/SU OK need RRX1, naph, acenaph↑ ~~IS↑ SL 10/26~~ DNR	
	98	20	5, 10X				10	✓	naph↑ OK ~~PSC↑~~	

MTX = Matrix Designate W for water, S for soil, O for oil.

ACCUTEST.

GC/MS SEMIVOLATILE ANALYSIS LOG

Batch ID: EH1920

Date: 10/23/2009 P. 2 of 2

Analyst Signature: Shirita Chang

Standard Data		Standard Data	
Ref #	Description	Ref #	Description
9	IS-MS835A		

Columns: see page 89

SW-846/EPA Method

Initial Cal. Method

Calibration Date:

Injection Volume:

Solvent ID #:

Solvent:

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor:

Ref #	Data File	ALS#	Sample ID	Method	MTX	OP Batch	Dilution	Run OK	Comments	Initials
9	H35599	21	T39646-6 4x	HSIMBSPP	W S	13271	4	✓	8=23pm, acenaph, fluorene↑ IS/SUOK, acenaph↑	SC
	600	22	↓ -11, 10x SC 10/23/09		SC 10/23/09		10	✓	IS/SUOK 8=45pm	
	1	23	T39513-6		W	13270	1	✓	IS/SUOK, naph, acenaph, phenanthr↑	
	2	24	T39187-3			13269	1	✓	9=42pm, IS/SUOK, naph, acenaph, Fluorene, phenanthrene anthracene	
	3	25	↓ -4, 10x				10	✓	10=11pm, IS/SUOK ↓	
	4	26	T39314-5		↓	↓	1	✓	10=40pm, IS/SUOK ↓ anthracene	
	5	27	T39513-5		W	13270	1	X	11=09pm Butylbenzene RP	
	6	28	↓ -7				1	X		
↓	H35607	29	↓ -8, 10x	↓	↓	↓	10	X	↓	↓

SC 10/23/09

MTX = Matrix Designate W for water, S for soil, O for oil.

ACCUTEST.

GC/MS SEMIVOLATILE ANALYSIS LOG

Batch ID: EH1921

Date: 10/26/09

Analyst Signature: [signature]

Standard Data

Ref #	Description
1	MS799
2	MS890-5
3	-4
4	-1
5	-2
6	-6
7	-7

Standard Data

Ref #	Description
8	MS794
9	IS-MS835A

Columns: RTX 5Sil

SW-846/EPA Method 8270 SIM PAH

Initial Cal. Method H102695.m

Calibration Date: 10/26/09

Injection Volume: 1 µl

Solvent ID #: OP091012B5

Solvent: DCM

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor: _____

Ref #	Data File	ALS#	Sample ID	Method	MTX	OP Batch	Dilution	Run OK	Comments	Initials
1	H35609	1	dfopp	dfopp				✓	11:48AM	SC
2	10	2	TCW921-2,5	HS1MB5PP				✓		
3	11	3	TCW921-1					✓		
4	12	4	-0,1					✓		
5	13	5	-0,2					✓		
6	14	6	-5					✓		
7	15	7	-10					✓		
8	16	8	TCW1921-25					✓		
9	17	9	OP13271-MB		W	13271	1	✓		
	18	10	T39646-2,40X				40	✓	IS2↓ SU OK, need acenaphthene, fluorene, phenanthrene	
	19	11	-4,				1	✓	IS/SU OK, naph, acenaphthene, fluorene, acenaphthylene, phenanthrene	
	20	12	-6				1	✓	IS5↑, SU OK, fluoranthene, PYR↑	
	21	13	T39613-5		W	13270	1	✓	IS OK, SU OK, anthracene↑	
	22	14	-7				1	✓	IS/SU OK	
	23	15	-8,10X				10	✓	IS/SU OK, acenaphthene↑	
	24	16	-8,40X				40	✓	IS/SU OK need acenaphthene	
	25	17	-5,4X				4	✓	IS/SU OK need anthracene	
	26	18	T39646-9,10X		W	13271	10	✓	for IS	
									SC 10/26/09	

MTX = Matrix Designate W for water, S for soil, O for oil.

ACCUTEST. Laboratories T39513

ACCUTEST

GC/MS SEMIVOLATILE ANALYSIS LOG

Batch ID: EJ615

Date: 9/23/2009

Analyst Signature: Sheila Cheng

Standard Data

Ref #	Description
1	MS799
2	MS784-4B
3	↓ -5A
4	MS784-2A
5	-8A
6	-3A
7	↓ -6

Standard Data

Ref #	Description
8	MS784-7
9	MS784-4C
10	↓ -5B
11	MS786

Columns: RXi5Sil

SW-846/EPA Method 8270C/625

Initial Cal. Method EJ615 ms

Calibration Date: 9/23/09

Injection Volume: 1 µl

Solvent ID #: NA

Solvent: NA

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor: _____

Ref #	Data File	ALS#	Sample ID	Method	MTX	OP Batch	Dilution	Run OK	Comments	Initials
1	J13332	1	dfopp	dfopp				✓		SC
2	33	2	CC614-50	8270JRONS						
3	34	3	↓ -75							
4	35	4	IC615-5					✓		
5	36	5	-10					✓		
6	37	6	-25					✓		
7	38	7	-100					✓		
8	39	8	↓ -125					✓		
9	40	9	ICC615-50					✓		
10	41	10	IC615-75					✓		
11	42	11	ICV615-50	↓				✓		↓
									SC 9/23/2009	

MTX = Matrix Designate W for water, S for soil, O for oil.

Form: MS014

ACCUTEST

GC/MS SEMIVOLATILE ANALYSIS LOG

Batch ID: EJ629

Date: 10/08/2009

Analyst Signature: Sheila Cheng

Standard Data

Ref #	Description
1	MS799
2	MS784-4C
3	MS833-5
4	4
5	6
6	12
7	3

Standard Data

Ref #	Description
8	MS833-7
9	MS834
10	IS-MS835

Columns: RXI5Sil

SW-846/EPA Method 8270C/625 / Bzthiol+Resorc

Initial Cal. Method EJ615 MS / EJ629 BZN+R

Calibration Date: 9/23/2009 / 9/8/2009

Injection Volume: 1 µl

Solvent ID #: NA

Solvent: NA

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor:

Ref #	Data File	ALS#	Sample ID	Method	MTX	OP Batch	Dilution	Run OK	Comments	Initials
1	J13687	1	dfopp	dfopp				✓		SC
2	88	2	cc615-50	8270JROMS				/		
3	89	3	icc625-50 (Bzthiol+Reso)					/		
4	90	4	ic625-40					/		
5	91	5	-75					/		
6	92	6	-5					/		
7	93	7	-25					/		
8	94	8	-100					/		
9	95	9	icv625-50					/		
10	96	10	op13205-wb		W	13205	1	/		
	97	11	-bs				1	/	Bzthiol Spike	
	98	12	-bsd				1	/		
	99	13	wb				1	/	Sim soil Test	
	700	14	op13205-bs				1	/	~~Bzthi~~ SC 10/8/09 8270 Spike	
	701	15	-bsd				1	/		
									SC 10/08/09	

MTX = Matrix Designate W for water, S for soil, O for oil.

Form: MS014

ACCUTEST.

GC/MS SEMIVOLATILE ANALYSIS LOG

Batch ID: EJ633

Date: 10/13/09

Analyst Signature: Sheila Chang

Standard Data

Ref #	Description
1	MS799
2	MS 786-5B
3	MS833-5
4	IS-MS835

Standard Data

Ref #	Description

Columns: RXi5sil

SW-846/EPA Method 8270C/625 / Bethiol + Resorcinol

Initial Cal. Method EJ615MS / EJ629BEN + Res

Calibration Date: 9/29/09 / 10/08/09

Injection Volume: 1 µl

Solvent ID #: OP090918A29

Solvent: DCM

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor: _____

Ref #	Data File	ALS#	Sample ID	Method	MTX	OP Batch	Dilution	Run OK	Comments	Initials
1	J13783	1	dfopp	dfopp				✓	10:48Am	SC
2	84	2	CC615-75	8270JRONS				✓		
3	85	3	CC629-50					✓	Bethiol + Resorc.	
4	86	4	OP13230-mb		W	13230	1	✓	Diethylphthalate 15,14, not target cpd.	
	87	5	OP13100-MS 20X		S	13100	20	✓		
	88	6	↓ -msd 20X		↓	↓	20	✓		
	89	7	OP13230-bs		W	13230	1	✓	Bethiol	
	90	8	↓ -bsd				1	✓		
	91	9	OP13230-bs				1	✓	8270	
	92	10	↓ -bsd				1	✓		
	93	11	T39289-4				1	✓		
	94	12	T39573-8, 100X				100	•	bad emulsion, viscous	
	95	13	T39513-1				1	✓		
	96	14	-2				1	✓		
	97	15	-3				1	✓		
	98	16	-4				1	•✓	↑ Naph, 1-MN, acenaphthene,	
	99	17	-6				1	✓	OK	
	800	18	-5, 40X				40	✓	RR x4	
	1	19	↓ -7, 40X				40	✓	bad RRx4, Naph OK, acenaphthene	
	2	20	-8, 10X				10	•		
	3	21	OP13230-ms				1	✓		
	4	22	↓ -msd				1	✓		
	5	23	T39573-4, 4X				4	✓	for naph. acenaphthene,	
	6	24	-5, 4X				4	•✓	2,4-Dimethyl, Naph. ↑	
	7	25	↓ -7, 4X		↓	↓	4	✓	Naph. ↑	
	8	26	T39305-1		W	13205	1	✓	10:46pm, ND	
↓	↓	27	PCM					✓	lot 094665 Clean	↓

MTX = Matrix Designate W for water, S for soil, O for oil.

Form: MS014

ACCUTEST

GC/MS SEMIVOLATILE ANALYSIS LOG

Batch ID: EJ635

Date: 10/15/2009, P.1 of 2

Analyst Signature: Sheila Cheung

Standard Data

Ref #	Description
1	MS799
2	MS 784-9C
3	MS 833-5
4	IS – MS835

Standard Data

Ref #	Description

Columns: RXi 5ms

SW-846/EPA Method 8270C/625 / Bethiol/Resorc.

Initial Cal. Method EJ615 MS (EJ629 BENTRES)

Calibration Date: 9/23/09 / 10/08/09

Injection Volume: 1 µl

Solvent ID #: OP09/0/2-511

Solvent: DCM

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor: _____

Ref #	Data File	ALS#	Sample ID	Method	MTX	OP Batch	Dilution	Run OK	Comments	Initials
1	J13836	1	dfopp	dfopp				✓	10:36Am	SC
2	37	2	CC615-50	8270 TICS				✓	8270	
3	38	3	CC629-50					✓	Bethiol + Resorcinol.	
4	39	4	OP13250-MB		W	13250	1	✓		
	40	5	T39646-5, 40X				40	✓	phenol, 2-methyl, 4-methylphenol, 3,4-dimethyl	
	41	6	-3, 40X				40	✓	phenol, 4-methylphenol, ↑	
	42	7	-3, 400X				400	✓		
	43	8	-5, 400X				400	✓		
	44	9	wash				—	✓		
	45	10	T39513-8, 40X		W	13230	40	✓	phenol, 2,4-cresol	
	46	11	-8, 800X				800	✓		
	47	12	T39646-1, 4X		W	13250	4	✓	3-methylphenol, 2,4-dimethylphenol, naph, ↑ 13 Bethiol 11.69 (J13847A)	
	48	13	-2, 800X				800	✓	for phenol, 2,4-cresols.	
	49	14	-4				1	✓	naph, 1-MN, acenaphthene ↑ ~~Bethiol 11.69 (J13847A)~~	
	50	15	-6, 5X				5	✓	for acenaphthene SC 10/16/09	
	51	16	-7, 4X				4	✓	for acenaphthene	
	52	17	-9, 5X				5	✓	for acenaphthene	
	53	18	-10, 40X				40	✓	for 2,4-dimethylphenol	
	54	19	T39675-1 SC 10/16/09				1	✓	8270 TCL	
	55	20	-2				1	✓		

MTX = Matrix Designate W for water, S for soil, O for oil.

ACCUTEST

GC/MS SEMIVOLATILE ANALYSIS LOG

Batch ID: EJ635

Date: 10/15/2009 P.20f2

Analyst Signature: Sheila Cheng

Standard Data		Standard Data	
Ref #	Description	Ref #	Description
4	IS-MS835		

Columns: see page 97

SW-846/EPA Method

Initial Cal. Method

Calibration Date:

Injection Volume:

Solvent ID #:

Solvent:

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor:

Ref #	Data File	ALS#	Sample ID	Method	MTX	OP Batch	Dilution	Run OK	Comments	Initials
4	J13856	21	T39675-3	8270JPONS	W	13250	1	✓		SC
	57	22	-4				1	✓		
	58	23	-6				1	✓	9:13PM	
	59	24	-5,20X				20	✓	need RRX1, 9:42PM used for hexachlorobutadiene	
	60	25	T39645-2				1	✓	10:12PM for 4-chloroaniline only	
	61	26	-3,10X				10	X	10:41PM, 4-chloroaniline	
	62	27	-6,10X				10	X		

SC 10/15/2009

MTX = Matrix Designate W for water, S for soil, O for oil.

Form: MS014

BNA LIQUID SAMPLE PREP REPORT

Date: 10/9/09 (CRA)

Method: EPA 3510C / 8270 SL

Batch#: OP13230 / OP13270 / 8270SLSIM

Analyst: MA / CRA 10/19/09 SL

Sample ID	Bottle Number	Amount Extracted (ml)	Initial pH	Adjusted pH	Surrogate Amount	Spike Amount	Final Volume (ml)	Comments
MB	N/A	1000	6	<2 712	1.0ml	—	1.0	
BS/BSD	1	1	1	1	1	0.5ml	1	8270
BS/BSD	1	1	1	1	1	0.5ml	1	Resorcinol/Benzoic Acid
T39289-1	2	1000	7			—		
2	1	1	1			1	1	
3	1							
4	2							
T39423-1	1							
2	2							
3	1							
4	1							
5	1							
6	1							
7	2							
T39513-1	4	1000					1.0	
2	2							
3	2							
4	2							
5	2							Bad Emulsion
6	1							
7	2	970 MA 10/13/09						
~~8~~ MA 10/13/09	1	1	1	1	1	1	1	~~T39305-1~~ Bad Emulsion
MS	1	500		<2 712	1.0	0.5	1.0	~~T39513-1~~ Bad E
MSD	1	1		1	1	1	1	1 T39513-1
BSD		1000			1.0	0.5		8270

Surrogate ID: E2201 Conc: 100/50ppm Exp. Date: 3/18/2010 Bath Temp #1.: 42°C

Spike ID: MS090922A2 Conc: 100ug/ml Exp. Date: 7/2010 Bath Temp.#2: N/A

Bath Temp.#3: N/A

Methylene Chloride ID #: OP090928A4 Dried Sodium Sulfate ID#: 23 OP-30-3

1:1 Sulfuric Acid ID # 23-OP-30-2 10 N Sodium Hydroxide # OP090901A

Comments: BSD 1000 <2 712 1.0 0.5 1.0

Relinquished By: Margarita Acosta Date: 10/12/2009

Accepted By: Sherlan Date: 10/12/2009

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Form: OP006, Rev. 02/06/06, QAO

BNA LIQUID SAMPLE PREP REPORT

Date: 10/9/09 (CRA)

Method: EPA 3510C / 8270 SL

Batch#: OP13230 / OP13270 / 8270SLSIM

Analyst: MA / CRA 10/19/09 SL

Sample ID	Bottle Number	Amount Extracted (ml)	Initial pH	Adjusted pH	Surrogate Amount	Spike Amount	Final Volume (ml)	Comments
MB	N/A	1000	6	<2 7/2	1.0ml	—	1.0	
BS/BSD	1	1	1	1	1	0.5ml	1	8270
BS/BSD	1	1	1	1	1	0.5ml	1	Resorcinol/Benzoic Acid
T39289-1	2	1000	7			—		
2	1	1	1			1	1	
3	1							
4	2							
T39423-1	1							
2	2							
3	1							
4	1							
5	1							
6	1							
7	2							
T39513-1	4	1000					1.0	
2	2							
3	2							
4	2							
5	2							Bad Emulsion
6	1							
7	2	970 MA 10/13/09						
~~8~~ 6	1	1	1	1	1	1	1	~~T39305-1~~ Bad Emulsion
MS	1	500		<2 7/2	1.0	0.5	1.0	~~T39513-1~~ Bad E
MSD	1	1		1	1	1	1	T39513-1
BSD		1000			1.0	0.5		8270

MA 10/13/09

Surrogate ID: E2201 Conc: 100/50ppm Exp. Date: 3/18/2010 Bath Temp #1.: 42°C

Spike ID: MS090922A2 Conc: 100ug/ml Exp. Date: 7/2010 Bath Temp.#2: N/A

Bath Temp.#3: N/A

Methylene Chloride ID #: OP090928A4 Dried Sodium Sulfate ID#: 23 OP-30-3

1:1 Sulfuric Acid ID # 23-OP-30-2 10 N Sodium Hydroxide # OP090901A

Comments: BSD 1000 <2 7/2 1.0 0.5 1.0

Relinquished By: Margarita Acosta Date: 10/12/2009

Accepted By: Sherita Clark Date: 10/12/2009

P.76

Form: OP006, Rev. 02/06/06, QAO

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101709.ASC Date Analyzed: 10/17/09 Methods: EPA 200.7, SW846 6010B
Analyst: NS Run ID: MA4343
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:02	MA4343-STD1	1		STDA
09:09	MA4343-STD2	1		STDC
09:14	MA4343-STD3	1		STDE
09:19	MA4343-STD4	1		STDB
09:26	MA4343-STD5	1		STDD
10:19	MA4343-HSTD1	1		
10:25	MA4343-ICV1	1		
10:45	MA4343-ICB1	1		
10:51	MA4343-CRI1	1		
10:57	MA4343-ICSA1	1		
11:03	MA4343-ICSAB1	1		
11:11	MA4343-CCV1	1		
11:23	MA4343-CCB1	1		
11:29	MP10461-MB1	1		
11:38	MP10461-B1	1		
11:45	T39637-1	1		(sample used for QC only; not part of login T39513)
11:51	MP10461-D1	1		
11:57	MP10461-SD1	5		
12:04	MP10461-S1	1		
12:10	MP10461-S2	1		
12:16	ZZZZZZ	1		
12:22	ZZZZZZ	1		
12:29	ZZZZZZ	1		
12:37	MA4343-CCV2	1		
12:48	MA4343-CCB2	1		
12:54	ZZZZZZ	1		
13:00	ZZZZZZ	1		
13:07	ZZZZZZ	1		
13:13	ZZZZZZ	1		
13:19	ZZZZZZ	1		
13:25	ZZZZZZ	1		
13:32	ZZZZZZ	1		
13:38	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101709.ASC Date Analyzed: 10/17/09 Methods: EPA 200.7, SW846 6010B
Analyst: NS Run ID: MA4343
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:44	ZZZZZZ	1		
13:52	MA4343-CCV3	1		
14:02	MA4343-CCB3	1		
14:08	MA4343-CRI2	1		
14:14	MA4343-ICSA2	1		
14:20	MA4343-ICSAB2	1		
14:28	MA4343-CCV4	1		
14:42	MA4343-CCB4	1		
15:14	MP10480-MB1	1		
15:21	MP10480-B1	1		
15:27	T39408-1	1		(sample used for QC only; not part of login T39513)
15:34	MP10480-D1	1		
15:40	MP10480-SD1	5		
15:47	MP10480-S1	1		
15:53	MP10480-S2	1		
16:01	MA4343-CCV5	1		
16:11	MA4343-CCB5	1		
16:18	ZZZZZZ	1		
16:37	ZZZZZZ	1		
16:44	ZZZZZZ	1		
16:50	ZZZZZZ	5		
16:57	ZZZZZZ	1		
17:03	ZZZZZZ	1		
17:10	ZZZZZZ	1		
17:18	MA4343-CCV6	1		
17:29	MA4343-CCB6	1		
17:36	MP10479-MB1	1		
17:42	MP10479-LC1	1		
17:49	T39519-15	1		(sample used for QC only; not part of login T39513)
17:55	MP10479-D1	1		
18:02	MP10479-SD1	5		
18:08	MP10479-S1	1		
18:15	MP10479-S2	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101709.ASC Date Analyzed: 10/17/09 Methods: EPA 200.7, SW846 6010B
Analyst: NS Run ID: MA4343
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:21	ZZZZZZ	1		
18:28	ZZZZZZ	1		
18:34	ZZZZZZ	1		
18:42	MA4343-CCV7	1		
18:54	MA4343-CCB7	1		
19:00	ZZZZZZ	1		
19:07	ZZZZZZ	1		
19:13	ZZZZZZ	1		
19:20	ZZZZZZ	1		
19:26	ZZZZZZ	1		
19:33	ZZZZZZ	1		
19:39	ZZZZZZ	1		
19:46	ZZZZZZ	1		
19:52	ZZZZZZ	1		
19:59	ZZZZZZ	1		
20:07	MA4343-CCV8	1		
20:19	MA4343-CCB8	1		
21:31	MA4343-CCV9	1		
21:43	MA4343-CCB9	1		
22:56	MA4343-CCV10	1		
23:08	MA4343-CCB10	1		
23:55	MA4343-CCV11	1		
00:06	MA4343-CCB11	1		
00:13	MP10470-MB1	1		
00:19	MP10470-B1	1		
00:26	T39394-13	1		(sample used for QC only; not part of login T39513)
00:32	MP10470-D1	1		
00:39	MP10470-SD1	5		
00:45	MP10470-S1	1		
00:52	MP10470-S2	1		
00:58	ZZZZZZ	1		
01:05	ZZZZZZ	5		
01:19	MA4343-CCV12	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101709.ASC Date Analyzed: 10/17/09 Methods: EPA 200.7, SW846 6010B
Analyst: NS Run ID: MA4343
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
01:31	MA4343-CCB12	1		
01:38	ZZZZZZ	100		
01:44	ZZZZZZ	5		
01:57	ZZZZZZ	100		
02:03	ZZZZZZ	5		
02:10	ZZZZZZ	10		
02:16	ZZZZZZ	10		
02:23	ZZZZZZ	100		
02:29	ZZZZZZ	10		
02:36	ZZZZZZ	50		
02:44	MA4343-CCV13	1		
02:56	MA4343-CCB13	1		
03:02	ZZZZZZ	100		
03:10	MA4343-CCV14	1		
03:22	MA4343-CCB14	1		
03:29	MP10445-MB1	1		
03:35	MP10445-B1	1		
---------->	Last reportable sample/prep for job T39513			
04:14	ZZZZZZ	1		
04:21	ZZZZZZ	1		
04:27	ZZZZZZ	1		
04:35	MA4343-CCV15	1		
04:49	MA4343-CCB15	1		
---------->	Last reportable CCB for job T39513			
05:02	ZZZZZZ	1		
05:08	ZZZZZZ	1		
05:15	ZZZZZZ	1		
05:21	ZZZZZZ	1		
05:28	ZZZZZZ	1		
05:34	ZZZZZZ	1		
05:41	ZZZZZZ	1		
05:47	ZZZZZZ	1		
06:02	MA4343-CCV16	1		
06:13	MA4343-CCB16	1		
06:46	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101709.ASC Date Analyzed: 10/17/09 Methods: EPA 200.7, SW846 6010B
Analyst: NS Run ID: MA4343
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
06:52	ZZZZZZ	1		
07:01	MA4343-CCV17	1		
07:12	MA4343-CCB17	1		
07:19	MP10457-MB1	1		
07:25	MP10457-LC1	1		
08:04	ZZZZZZ	1		
08:11	ZZZZZZ	1		
08:17	ZZZZZZ	1		
08:25	MA4343-CCV18	1		
08:37	MA4343-CCB18	1		
08:44	ZZZZZZ	1		
08:50	ZZZZZZ	1		
08:57	ZZZZZZ	1		
09:03	ZZZZZZ	1		
09:10	ZZZZZZ	1		
09:16	ZZZZZZ	1		
09:23	ZZZZZZ	1		
09:31	MA4343-CCV19	1		
09:43	MA4343-CCB19	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101709.ASC Date Analyzed: 10/17/09 Methods: EPA 200.7, SW846 6010B
Analyst: NS Run ID: MA4343
Parameters: Na

Time	Sample Description	Istd#1
09:02	MA4343-STD1	44539 R
09:09	MA4343-STD2	44884
09:14	MA4343-STD3	43743
09:19	MA4343-STD4	44623
09:26	MA4343-STD5	44421
10:19	MA4343-HSTD1	44058
10:25	MA4343-ICV1	45461
10:45	MA4343-ICB1	45376
10:51	MA4343-CRI1	45037
10:57	MA4343-ICSA1	41899
11:03	MA4343-ICSAB1	41516
11:11	MA4343-CCV1	44698
11:23	MA4343-CCB1	45346
11:29	MP10461-MB1	45526
11:38	MP10461-B1	45083
11:45	T39637-1	45171
11:51	MP10461-D1	45077
11:57	MP10461-SD1	45704
12:04	MP10461-S1	44080
12:10	MP10461-S2	44204
12:16	ZZZZZZ	44781
12:22	ZZZZZZ	44648
12:29	ZZZZZZ	45018
12:37	MA4343-CCV2	44715
12:48	MA4343-CCB2	45176
12:54	ZZZZZZ	45523
13:00	ZZZZZZ	45041
13:07	ZZZZZZ	44627
13:13	ZZZZZZ	43547
13:19	ZZZZZZ	45569
13:25	ZZZZZZ	44882
13:32	ZZZZZZ	45428
13:38	ZZZZZZ	44741

INTERNAL STANDARD SUMMARY

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101709.ASC Date Analyzed: 10/17/09 Methods: EPA 200.7, SW846 6010B
Analyst: NS Run ID: MA4343
Parameters: Na

Time	Sample Description	Istd#1
13:44	ZZZZZZ	44434
13:52	MA4343-CCV3	44297
14:02	MA4343-CCB3	44689
14:08	MA4343-CRI2	44915
14:14	MA4343-ICSA2	40917
14:20	MA4343-ICSAB2	41365
14:28	MA4343-CCV4	44347
14:42	MA4343-CCB4	44947
15:14	MP10480-MB1	44603
15:21	MP10480-B1	44420
15:27	T39408-1	41860
15:34	MP10480-D1	41657
15:40	MP10480-SD1	43828
15:47	MP10480-S1	41465
15:53	MP10480-S2	41332
16:01	MA4343-CCV5	44093
16:11	MA4343-CCB5	44402
16:18	ZZZZZZ	43494
16:37	ZZZZZZ	43513
16:44	ZZZZZZ	44588
16:50	ZZZZZZ	44531
16:57	ZZZZZZ	43155
17:03	ZZZZZZ	44641
17:10	ZZZZZZ	44597
17:18	MA4343-CCV6	43986
17:29	MA4343-CCB6	44670
17:36	MP10479-MB1	44876
17:42	MP10479-LC1	46665
17:49	T39519-15	48155
17:55	MP10479-D1	47885
18:02	MP10479-SD1	45937
18:08	MP10479-S1	46577
18:15	MP10479-S2	46969

INTERNAL STANDARD SUMMARY

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101709.ASC Date Analyzed: 10/17/09 Methods: EPA 200.7, SW846 6010B
Analyst: NS Run ID: MA4343
Parameters: Na

Time	Sample Description	Istd#1
18:21	ZZZZZZ	44878
18:28	ZZZZZZ	44165
18:34	ZZZZZZ	44649
18:42	MA4343-CCV7	44289
18:54	MA4343-CCB7	44738
19:00	ZZZZZZ	44262
19:07	ZZZZZZ	46159
19:13	ZZZZZZ	41625
19:20	ZZZZZZ	45482
19:26	ZZZZZZ	50235
19:33	ZZZZZZ	48926
19:39	ZZZZZZ	47292
19:46	ZZZZZZ	48487
19:52	ZZZZZZ	48632
19:59	ZZZZZZ	49134
20:07	MA4343-CCV8	44399
20:19	MA4343-CCB8	45036
21:31	MA4343-CCV9	44453
21:43	MA4343-CCB9	44841
22:56	MA4343-CCV10	44545
23:08	MA4343-CCB10	45155
23:55	MA4343-CCV11	44357
00:06	MA4343-CCB11	44917
00:13	MP10470-MB1	45133
00:19	MP10470-B1	44286
00:26	T39394-13	44627
00:32	MP10470-D1	44808
00:39	MP10470-SD1	45142
00:45	MP10470-S1	43813
00:52	MP10470-S2	44419
00:58	ZZZZZZ	43381
01:05	ZZZZZZ	37811
01:19	MA4343-CCV12	44378

INTERNAL STANDARD SUMMARY

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101709.ASC Date Analyzed: 10/17/09 Methods: EPA 200.7, SW846 6010B
Analyst: NS Run ID: MA4343
Parameters: Na

Time	Sample Description	Istd#1
01:31	MA4343-CCB12	45016
01:38	ZZZZZZ	44105
01:44	ZZZZZZ	39244
01:57	ZZZZZZ	44058
02:03	ZZZZZZ	41818
02:10	ZZZZZZ	43068
02:16	ZZZZZZ	40416
02:23	ZZZZZZ	44254
02:29	ZZZZZZ	41278
02:36	ZZZZZZ	
02:44	MA4343-CCV13	44208
02:56	MA4343-CCB13	44930
03:02	ZZZZZZ	43833
03:10	MA4343-CCV14	44050
03:22	MA4343-CCB14	44894
03:29	MP10445-MB1	44894
03:35	MP10445-B1	44065
04:14	ZZZZZZ	43133
04:21	ZZZZZZ	44064
04:27	ZZZZZZ	43518
04:35	MA4343-CCV15	44068
04:49	MA4343-CCB15	44833
05:02	ZZZZZZ	42484
05:08	ZZZZZZ	43312
05:15	ZZZZZZ	43709
05:21	ZZZZZZ	44697
05:28	ZZZZZZ	44765
05:34	ZZZZZZ	44490
05:41	ZZZZZZ	44629
05:47	ZZZZZZ	44636
06:02	MA4343-CCV16	44364
06:13	MA4343-CCB16	45165
06:46	ZZZZZZ	38079

INTERNAL STANDARD SUMMARY

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101709.ASC Date Analyzed: 10/17/09 Methods: EPA 200.7, SW846 6010B
Analyst: NS Run ID: MA4343
Parameters: Na

Time	Sample Description	Istd#1
06:52	ZZZZZZ	38207
07:01	MA4343-CCV17	44199
07:12	MA4343-CCB17	44917
07:19	MP10457-MB1	45252
07:25	MP10457-LC1	48066
08:04	ZZZZZZ	41025
08:11	ZZZZZZ	43283
08:17	ZZZZZZ	43114
08:25	MA4343-CCV18	44688
08:37	MA4343-CCB18	45418
08:44	ZZZZZZ	46491
08:50	ZZZZZZ	44416
08:57	ZZZZZZ	45105
09:03	ZZZZZZ	44570
09:10	ZZZZZZ	44327
09:16	ZZZZZZ	46533
09:23	ZZZZZZ	43919
09:31	MA4343-CCV19	44772
09:43	MA4343-CCB19	45227

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101709.ASC Date Analyzed: 10/17/09 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA4343 Units: ug/l

Time:			10:45		11:23		12:48		14:02	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	16	anr							
Antimony	5.0	2.3	anr							
Arsenic	5.0	1.8	anr							
Barium	200	.14	anr							
Beryllium	5.0	.11								
Boron	100	1.1								
Cadmium	4.0	.25	anr							
Calcium	5000	5.4	anr							
Chromium	10	1.1	anr							
Cobalt	50	.5	anr							
Copper	25	.58	anr							
Iron	100	13	anr							
Lead	3.0	1.6	anr							
Magnesium	5000	6.7	anr							
Manganese	15	.2	anr							
Molybdenum	10	.96								
Nickel	40	.95	anr							
Potassium	5000	53	anr							
Selenium	5.0	3.2	anr							
Silver	10	.85	anr							
Sodium	5000	130	-30	<5000	-42	<5000	-54	<5000	57.4	<5000
Strontium	10	.17	anr							
Thallium	10	3.2								
Tin	20	1.8	anr							
Titanium	10	.3	anr							
Vanadium	50	.6	anr							
Zinc	20	.49	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101709.ASC Date Analyzed: 10/17/09 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA4343 Units: ug/l

Time:			14:42		16:11		17:29		18:54	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	16	anr							
Antimony	5.0	2.3	anr							
Arsenic	5.0	1.8	anr							
Barium	200	.14	anr							
Beryllium	5.0	.11								
Boron	100	1.1								
Cadmium	4.0	.25	anr							
Calcium	5000	5.4	anr							
Chromium	10	1.1	anr							
Cobalt	50	.5	anr							
Copper	25	.58	anr							
Iron	100	13	anr							
Lead	3.0	1.6	anr							
Magnesium	5000	6.7	anr							
Manganese	15	.2	anr							
Molybdenum	10	.96								
Nickel	40	.95	anr							
Potassium	5000	53	anr							
Selenium	5.0	3.2	anr							
Silver	10	.85	anr							
Sodium	5000	130	-69	<5000	-47	<5000	-36	<5000	-10	<5000
Strontium	10	.17	anr							
Thallium	10	3.2								
Tin	20	1.8	anr							
Titanium	10	.3	anr							
Vanadium	50	.6	anr							
Zinc	20	.49	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101709.ASC Date Analyzed: 10/17/09 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA4343 Units: ug/l

Time:			20:19		21:43		23:08		00:06	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	16	anr							
Antimony	5.0	2.3	anr							
Arsenic	5.0	1.8	anr							
Barium	200	.14	anr							
Beryllium	5.0	.11								
Boron	100	1.1								
Cadmium	4.0	.25	anr							
Calcium	5000	5.4	anr							
Chromium	10	1.1	anr							
Cobalt	50	.5	anr							
Copper	25	.58	anr							
Iron	100	13	anr							
Lead	3.0	1.6	anr							
Magnesium	5000	6.7	anr							
Manganese	15	.2	anr							
Molybdenum	10	.96								
Nickel	40	.95	anr							
Potassium	5000	53	anr							
Selenium	5.0	3.2	anr							
Silver	10	.85	anr							
Sodium	5000	130	-83	<5000	-87	<5000	-30	<5000	-63	<5000
Strontium	10	.17	anr							
Thallium	10	3.2								
Tin	20	1.8	anr							
Titanium	10	.3	anr							
Vanadium	50	.6	anr							
Zinc	20	.49	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101709.ASC Date Analyzed: 10/17/09 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA4343 Units: ug/l

Time:			01:31		02:56		03:22		04:49	
Sample ID:			CCB12		CCB13		CCB14		CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	16	anr							
Antimony	5.0	2.3	anr							
Arsenic	5.0	1.8	anr							
Barium	200	.14	anr							
Beryllium	5.0	.11								
Boron	100	1.1								
Cadmium	4.0	.25	anr							
Calcium	5000	5.4	anr							
Chromium	10	1.1	anr							
Cobalt	50	.5	anr							
Copper	25	.58	anr							
Iron	100	13	anr							
Lead	3.0	1.6	anr							
Magnesium	5000	6.7	anr							
Manganese	15	.2	anr							
Molybdenum	10	.96								
Nickel	40	.95	anr							
Potassium	5000	53	anr							
Selenium	5.0	3.2	anr							
Silver	10	.85	anr							
Sodium	5000	130	-24	<5000	69.4	<5000	71.4	<5000	36.9	<5000
Strontium	10	.17	anr							
Thallium	10	3.2								
Tin	20	1.8	anr							
Titanium	10	.3	anr							
Vanadium	50	.6	anr							
Zinc	20	.49	anr							

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101709.ASC Date Analyzed: 10/17/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA4343 Units: ug/l

Time:		10:25			11:11			12:37	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium									
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	5000	4890	97.8	40000	38500	96.3	40000	39900	99.8
Strontium	anr								
Thallium									
Tin	anr								
Titanium	anr								
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101709.ASC Date Analyzed: 10/17/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA4343 Units: ug/l

Time:		13:52			14:28			16:01	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium									
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	40000	39500	98.8	40000	40000	100.0	40000	40100	100.3
Strontium	anr								
Thallium									
Tin	anr								
Titanium	anr								
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101709.ASC Date Analyzed: 10/17/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA4343 Units: ug/l

Time:		17:18			18:42			20:07	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium									
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	40000	40300	100.8	40000	40600	101.5	40000	40700	101.8
Strontium	anr								
Thallium									
Tin	anr								
Titanium	anr								
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101709.ASC Date Analyzed: 10/17/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA4343 Units: ug/l

Time:		21:31			22:56			23:55	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium									
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	40000	40600	101.5	40000	40900	102.3	40000	40600	101.5
Strontium	anr								
Thallium									
Tin	anr								
Titanium	anr								
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101709.ASC Date Analyzed: 10/17/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA4343 Units: ug/l

Time:		01:19			02:44			03:10	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium									
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	40000	41000	102.5	40000	41400	103.5	40000	40800	102.0
Strontium	anr								
Thallium									
Tin	anr								
Titanium	anr								
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101709.ASC Date Analyzed: 10/17/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA4343 Units: ug/l

Time:		04:35	
Sample ID:	CCV	CCV15	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium			
Boron			
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	anr		
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	anr		
Selenium	anr		
Silver	anr		
Sodium	40000	41000	102.5
Strontium	anr		
Thallium			
Tin	anr		
Titanium	anr		
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101709.ASC Date Analyzed: 10/17/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA4343 Units: ug/l

Time:		10:19	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium			
Boron			
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	anr		
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	anr		
Selenium	anr		
Silver	anr		
Sodium	80000	79500	99.4
Strontium	anr		
Thallium			
Tin	anr		
Titanium	anr		
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101709.ASC Date Analyzed: 10/17/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 50 to 150 % Recovery Run ID: MA4343 Units: ug/l

Time:			10:51		14:08	
Sample ID:	CRI	CRIA	CRI1		CRI2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	200	200	anr			
Antimony	5.0	5.0	anr			
Arsenic	5.0	5.0	anr			
Barium	200	200	anr			
Beryllium	5.0	5.0				
Boron	100	100				
Cadmium	4.0	4.0	anr			
Calcium	5000	5000	anr			
Chromium	10	10	anr			
Cobalt	50	50	anr			
Copper	25	25	anr			
Iron	100	100	anr			
Lead	3.0	3.0	anr			
Magnesium	5000	5000	anr			
Manganese	15	15	anr			
Molybdenum	10	10				
Nickel	40	40	anr			
Potassium	5000	5000	anr			
Selenium	5.0	5.0	anr			
Silver	10	10	anr			
Sodium	5000	5000	4860	97.2	5040	100.8
Strontium	20	20	anr			
Thallium	10	10				
Tin	20	20	anr			
Titanium	20	20	anr			
Vanadium	50	50	anr			
Zinc	20	20	anr			

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101709.ASC Date Analyzed: 10/17/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 80 to 120 % Recovery Run ID: MA4343 Units: ug/l

Time:			10:57		11:03		14:14		14:20	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	501000	100.2	504000	100.8	516000	103.2	511000	102.2
Antimony		1000	2.8		1050	105.0	3.8		1050	105.0
Arsenic		500	1.8		532	106.4	1.7		540	108.0
Barium		500	2.1		532	106.4	2.2		543	108.6
Beryllium		500	-0.10		509	101.8	-0.090		514	102.8
Boron			-61		-67		-62		-65	
Cadmium		1000	-1.5		966	96.6	-1.2		973	97.3
Calcium	500000	500000	514000	102.8	520000	104.0	532000	106.4	523000	104.6
Chromium		500	6.5		504	100.8	6.3		508	101.6
Cobalt		500	-1.3		499	99.8	-1.3		502	100.4
Copper		500	-5.6		530	106.0	-5.7		540	108.0
Iron	200000	200000	199000	99.5	203000	101.5	205000	102.5	204000	102.0
Lead		500	-3.6		497	99.4	-3.9		500	100.0
Magnesium	500000	500000	519000	103.8	525000	105.0	537000	107.4	531000	106.2
Manganese		500	-1.8		513	102.6	-1.6		516	103.2
Molybdenum		500	15.8		531	106.2	17.9		536	107.2
Nickel		1000	-0.36		931	93.1	0.31		938	93.8
Potassium			772		823		850		809	
Selenium		500	-0.70		517	103.4	-2.7		521	104.2
Silver		1000	2.8		1080	108.0	2.9		1090	109.0
Sodium			95.4		89.4		99.2		143	
Strontium			0.43		0.34		0.42		0.40	
Thallium		500	5.4		474	94.8	5.8		478	95.6
Tin			-6.2		-8.2		-7.5		-7.0	
Titanium			2.4		2.3		2.3		2.3	
Vanadium		500	0.0		506	101.2	-0.31		511	102.2
Zinc		1000	-1.9		1070	107.0	-1.1		1080	108.0

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101909.ASC Date Analyzed: 10/19/09 Methods: SW846 6010B
Analyst: NS Run ID: MA4345
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:50	MA4345-STD1	1		STDA
09:57	MA4345-STD2	1		STDC
10:02	MA4345-STD3	1		STDE
10:07	MA4345-STD4	1		STDB
10:14	MA4345-STD5	1		STDD
11:19	MA4345-HSTD1	1		
11:26	MA4345-ICV1	1		
11:42	MA4345-ICB1	1		
11:49	MA4345-CRI1	1		
11:55	MA4345-ICSA1	1		
12:02	MA4345-ICSAB1	1		
12:10	MA4345-CCV1	1		
12:23	MA4345-CCB1	1		
12:30	ZZZZZZ	5		
12:36	ZZZZZZ	200		
12:43	ZZZZZZ	200		
12:49	ZZZZZZ	100		
12:56	ZZZZZZ	200		
13:02	ZZZZZZ	200		
13:10	MA4345-CCV2	1		
13:25	MA4345-CCB2	1		
13:39	ZZZZZZ	10		
13:50	ZZZZZZ	10		
14:07	ZZZZZZ	5		
14:15	MA4345-CCV3	1		
14:23	MA4345-CCB3	1		
14:42	T39513-1	50		
14:49	MP10445-D1	50		
14:55	MP10445-SD1	250		
15:02	MP10445-S1	50		
15:08	MP10445-S2	50		
15:20	ZZZZZZ	5		
15:26	T39513-7	50		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101909.ASC Date Analyzed: 10/19/09 Methods: SW846 6010B
Analyst: NS Run ID: MA4345
Parameters: Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	15:54	MA4345-CCV4	1		
	16:07	MA4345-CCB4	1		
	16:14	T39513-8	50		
---------->	Last reportable sample/prep for job T39513				
	16:27	ZZZZZZ	50		
	16:34	ZZZZZZ	50		
	16:42	MA4345-CCV5	1		
	17:03	MA4345-CCB5	1		
---------->	Last reportable CCB for job T39513				
	17:14	T39207-1	50		(sample used for QC only; not part of login T39513)
	17:20	MP10457-D1	50		
	17:27	MP10457-SD1	250		
	17:33	MP10457-S1	50		
	17:40	MP10457-S2	50		
	17:59	ZZZZZZ	50		
	18:20	MA4345-CCV6	1		
	18:32	MA4345-CCB6	1		
	18:38	MP10452-MB1	1		
	18:45	MP10452-B1	1		
	18:51	T39424-1	1		(sample used for QC only; not part of login T39513)
	18:58	MP10452-D1	1		
	19:04	MP10452-SD1	5		
	19:11	MP10452-S1	1		
	19:17	MP10452-S2	1		
	19:24	ZZZZZZ	1		
	19:30	ZZZZZZ	1		
	19:36	ZZZZZZ	1		
	19:45	MA4345-CCV7	1		
	19:56	MA4345-CCB7	1		
	20:03	ZZZZZZ	1		
	20:09	ZZZZZZ	1		
	20:16	ZZZZZZ	1		
	20:22	ZZZZZZ	1		
	20:29	ZZZZZZ	1		
	20:35	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101909.ASC Date Analyzed: 10/19/09 Methods: SW846 6010B
Analyst: NS Run ID: MA4345
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:42	ZZZZZZ	5		
20:48	ZZZZZZ	1		
20:55	ZZZZZZ	1		
21:01	ZZZZZZ	1		
21:09	MA4345-CCV8	1		
21:21	MA4345-CCB8	1		
21:27	ZZZZZZ	1		
21:34	ZZZZZZ	1		
21:40	ZZZZZZ	1		
21:49	MA4345-CCV9	1		
22:02	MA4345-CCB9	1		
22:08	MP10477-MB1	1		
22:15	MP10477-B1	1		
22:21	T38967-1R	1		(sample used for QC only; not part of login T39513)
22:28	MP10477-D1	1		
22:34	MP10477-SD1	5		
22:41	MP10477-S1	1		
22:47	MP10477-S2	1		
22:54	ZZZZZZ	1		
23:02	MA4345-CCV10	1		
23:14	MA4345-CCB10	1		
23:20	MP10464-MB1	1		
23:27	MP10464-B1	1		
23:33	MP10464-B2	1		
23:40	ZZZZZZ	1		
23:48	MA4345-CCV11	1		
23:59	MA4345-CCB11	1		
00:06	MP10481-MB	1		
00:12	T39648-1C	5		(sample used for QC only; not part of login T39513)
00:19	MP10481-D1	5		
00:25	ZZZZZZ	5		
00:32	ZZZZZZ	5		
00:38	ZZZZZZ	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101909.ASC Date Analyzed: 10/19/09 Methods: SW846 6010B
Analyst: NS Run ID: MA4345
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
00:47	MA4345-CCV12	1		
00:58	MA4345-CCB12	1		
01:05	MP10484-MB	1		
01:11	MP10484-LCS	1		
01:50	ZZZZZZ	5		
01:58	MA4345-CCV13	1		
02:10	MA4345-CCB13	1		
02:16	MP10486-MB1	1		
02:23	MP10486-LC1	1		
02:29	T39522-8	1		(sample used for QC only; not part of login T39513)
02:36	MP10486-D1	1		
02:42	MP10486-SD1	5		
02:49	MP10486-S1	1		
02:55	MP10486-S2	1		
03:02	ZZZZZZ	1		
03:08	ZZZZZZ	1		
03:15	ZZZZZZ	1		
03:23	MA4345-CCV14	1		
08:51	MA4345-CCB14	1		
08:58	MA4345-CCV15	1		
09:09	MA4345-CCB15	1		
09:15	ZZZZZZ	1		
09:22	ZZZZZZ	1		
09:28	ZZZZZZ	1		
09:34	ZZZZZZ	1		
09:41	ZZZZZZ	1		
09:47	ZZZZZZ	1		
10:07	ZZZZZZ	1		
10:15	ZZZZZZ	1		
10:22	ZZZZZZ	1		
10:28	ZZZZZZ	1		
10:36	MA4345-CCV16	1		
10:47	MA4345-CCB16	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101909.ASC Date Analyzed: 10/19/09 Methods: SW846 6010B
Analyst: NS Run ID: MA4345
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:53	ZZZZZZ	1		
11:01	MA4345-CCV17	1		
11:15	MA4345-CCB17	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101909.ASC Date Analyzed: 10/19/09 Methods: SW846 6010B
Analyst: NS Run ID: MA4345
Parameters: Na

Time	Sample Description	Istd#1
09:50	MA4345-STD1	43996 R
09:57	MA4345-STD2	43610
10:02	MA4345-STD3	42963
10:07	MA4345-STD4	43786
10:14	MA4345-STD5	43821
11:19	MA4345-HSTD1	42959
11:26	MA4345-ICV1	43747
11:42	MA4345-ICB1	43942
11:49	MA4345-CRI1	44005
11:55	MA4345-ICSA1	40203
12:02	MA4345-ICSAB1	40435
12:10	MA4345-CCV1	43492
12:23	MA4345-CCB1	43997
12:30	ZZZZZZ	43894
12:36	ZZZZZZ	43545
12:43	ZZZZZZ	43827
12:49	ZZZZZZ	43773
12:56	ZZZZZZ	43659
13:02	ZZZZZZ	43571
13:10	MA4345-CCV2	43291
13:25	MA4345-CCB2	43750
13:39	ZZZZZZ	43552
13:50	ZZZZZZ	43117
14:07	ZZZZZZ	42101
14:15	MA4345-CCV3	42875
14:23	MA4345-CCB3	43842
14:42	T39513-1	43086
14:49	MP10445-D1	42936
14:55	MP10445-SD1	43028
15:02	MP10445-S1	42911
15:08	MP10445-S2	42940
15:20	ZZZZZZ	43129
15:26	T39513-7	43368

INTERNAL STANDARD SUMMARY

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101909.ASC Date Analyzed: 10/19/09 Methods: SW846 6010B
Analyst: NS Run ID: MA4345
Parameters: Na

Time	Sample Description	Istd#1
15:54	MA4345-CCV4	42669
16:07	MA4345-CCB4	43011
16:14	T39513-8	42626
16:27	ZZZZZZ	43374
16:34	ZZZZZZ	42379
16:42	MA4345-CCV5	42065
17:03	MA4345-CCB5	42808
17:14	T39207-1	42822
17:20	MP10457-D1	43209
17:27	MP10457-SD1	43059
17:33	MP10457-S1	43054
17:40	MP10457-S2	42494
17:59	ZZZZZZ	43507
18:20	MA4345-CCV6	42740
18:32	MA4345-CCB6	44010
18:38	MP10452-MB1	43451
18:45	MP10452-B1	43320
18:51	T39424-1	42200
18:58	MP10452-D1	42752
19:04	MP10452-SD1	43850
19:11	MP10452-S1	42081
19:17	MP10452-S2	42205
19:24	ZZZZZZ	43505
19:30	ZZZZZZ	43470
19:36	ZZZZZZ	43359
19:45	MA4345-CCV7	43483
19:56	MA4345-CCB7	44246
20:03	ZZZZZZ	44054
20:09	ZZZZZZ	43038
20:16	ZZZZZZ	44427
20:22	ZZZZZZ	43341
20:29	ZZZZZZ	43600
20:35	ZZZZZZ	43263

INTERNAL STANDARD SUMMARY

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101909.ASC Date Analyzed: 10/19/09 Methods: SW846 6010B
Analyst: NS Run ID: MA4345
Parameters: Na

Time	Sample Description	Istd#1
20:42	ZZZZZZ	43839
20:48	ZZZZZZ	43719
20:55	ZZZZZZ	43183
21:01	ZZZZZZ	43608
21:09	MA4345-CCV8	43244
21:21	MA4345-CCB8	44392
21:27	ZZZZZZ	42741
21:34	ZZZZZZ	42730
21:40	ZZZZZZ	43922
21:49	MA4345-CCV9	43664
22:02	MA4345-CCB9	44186
22:08	MP10477-MB1	44158
22:15	MP10477-B1	43663
22:21	T38967-1R	43732
22:28	MP10477-D1	43881
22:34	MP10477-SD1	44141
22:41	MP10477-S1	43939
22:47	MP10477-S2	43555
22:54	ZZZZZZ	43714
23:02	MA4345-CCV10	43433
23:14	MA4345-CCB10	44505
23:20	MP10464-MB1	43844
23:27	MP10464-B1	43769
23:33	MP10464-B2	43947
23:40	ZZZZZZ	43656
23:48	MA4345-CCV11	43412
23:59	MA4345-CCB11	43911
00:06	MP10481-MB	44049
00:12	T39648-1C	42844
00:19	MP10481-D1	43177
00:25	ZZZZZZ	43609
00:32	ZZZZZZ	43131
00:38	ZZZZZZ	41997

INTERNAL STANDARD SUMMARY

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101909.ASC Date Analyzed: 10/19/09 Methods: SW846 6010B
Analyst: NS Run ID: MA4345
Parameters: Na

Time	Sample Description	Istd#1
00:47	MA4345-CCV12	42718
00:58	MA4345-CCB12	43869
01:05	MP10484-MB	41835
01:11	MP10484-LCS	41587
01:50	ZZZZZZ	44758
01:58	MA4345-CCV13	42882
02:10	MA4345-CCB13	44046
02:16	MP10486-MB1	43410
02:23	MP10486-LC1	47031
02:29	T39522-8	49251
02:36	MP10486-D1	48934
02:42	MP10486-SD1	45172
02:49	MP10486-S1	47934
02:55	MP10486-S2	48226
03:02	ZZZZZZ	49894
03:08	ZZZZZZ	51194
03:15	ZZZZZZ	49978
03:23	MA4345-CCV14	45794
08:51	MA4345-CCB14	41772
08:58	MA4345-CCV15	41685
09:09	MA4345-CCB15	42360
09:15	ZZZZZZ	44495
09:22	ZZZZZZ	44425
09:28	ZZZZZZ	47766
09:34	ZZZZZZ	45759
09:41	ZZZZZZ	47617
09:47	ZZZZZZ	47708
10:07	ZZZZZZ	44298
10:15	ZZZZZZ	47365
10:22	ZZZZZZ	45963
10:28	ZZZZZZ	47375
10:36	MA4345-CCV16	42363
10:47	MA4345-CCB16	43225

INTERNAL STANDARD SUMMARY

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101909.ASC Date Analyzed: 10/19/09 Methods: SW846 6010B
Analyst: NS Run ID: MA4345
Parameters: Na

Time	Sample Description	Istd#1
10:53	ZZZZZZ	46347
11:01	MA4345-CCV17	42503
11:15	MA4345-CCB17	43156

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium	60-125 %

9.2.1

9

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101909.ASC Date Analyzed: 10/19/09 Methods: SW846 6010B
QC Limits: result < RL Run ID: MA4345 Units: ug/l

Time:			11:42		12:23		13:25		14:23	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	16								
Antimony	5.0	2.3								
Arsenic	5.0	1.8								
Barium	200	.14								
Beryllium	5.0	.11								
Boron	100	1.1								
Cadmium	4.0	.25								
Calcium	5000	5.4								
Chromium	10	1.1								
Cobalt	50	.5								
Copper	25	.58								
Iron	100	13								
Lead	3.0	1.6								
Magnesium	5000	6.7								
Manganese	15	.2								
Molybdenum	10	.96								
Nickel	40	.95								
Potassium	5000	53								
Selenium	5.0	3.2								
Silver	10	.85								
Sodium	5000	130	-1.2	<5000	-36	<5000	-38	<5000	-14	<5000
Strontium	20	.17								
Thallium	10	3.2								
Tin	20	1.8								
Titanium	20	.3								
Vanadium	50	.6								
Zinc	20	.49								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101909.ASC Date Analyzed: 10/19/09 Methods: SW846 6010B
QC Limits: result < RL Run ID: MA4345 Units: ug/l

Time:			16:07		17:03	
Sample ID:			CCB4		CCB5	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	16				
Antimony	5.0	2.3				
Arsenic	5.0	1.8	anr			
Barium	200	.14	anr			
Beryllium	5.0	.11				
Boron	100	1.1				
Cadmium	4.0	.25	anr			
Calcium	5000	5.4	anr			
Chromium	10	1.1	anr			
Cobalt	50	.5				
Copper	25	.58	anr			
Iron	100	13				
Lead	3.0	1.6	anr			
Magnesium	5000	6.7	anr			
Manganese	15	.2				
Molybdenum	10	.96				
Nickel	40	.95	anr			
Potassium	5000	53				
Selenium	5.0	3.2	anr			
Silver	10	.85	anr			
Sodium	5000	130	-31	<5000	-5.4	<5000
Strontium	20	.17				
Thallium	10	3.2				
Tin	20	1.8				
Titanium	20	.3				
Vanadium	50	.6				
Zinc	20	.49				

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101909.ASC Date Analyzed: 10/19/09 Methods: SW846 6010B
QC Limits: 90 to 110 % Recovery Run ID: MA4345 Units: ug/l

Time:		11:26			12:10			13:10	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Boron									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium	5000	5020	100.4	40000	39200	98.0	40000	39200	98.0
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101909.ASC Date Analyzed: 10/19/09 Methods: SW846 6010B
QC Limits: 90 to 110 % Recovery Run ID: MA4345 Units: ug/l

Time:		14:15			15:54			16:42	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium									
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper	anr								
Iron									
Lead	anr								
Magnesium	anr								
Manganese									
Molybdenum									
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium	40000	39300	98.3	40000	39700	99.3	40000	38900	97.3
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101909.ASC Date Analyzed: 10/19/09 Methods: SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA4345 Units: ug/l

Time:		11:19	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum			
Antimony			
Arsenic			
Barium			
Beryllium			
Boron			
Cadmium			
Calcium			
Chromium			
Cobalt			
Copper			
Iron			
Lead			
Magnesium			
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium			
Silver			
Sodium	80000	80100	100.1
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101909.ASC Date Analyzed: 10/19/09 Methods: SW846 6010B
QC Limits: 50 to 150 % Recovery Run ID: MA4345 Units: ug/l

Time:			11:49	
Sample ID:	CRI	CRIA	CRI1	
Metal	True	True	Results	% Rec
Aluminum	200	200		
Antimony	5.0	5.0		
Arsenic	5.0	5.0		
Barium	200	200		
Beryllium	5.0	5.0		
Boron	100	100		
Cadmium	4.0	4.0		
Calcium	5000	5000		
Chromium	10	10		
Cobalt	50	50		
Copper	25	25		
Iron	100	100		
Lead	3.0	3.0		
Magnesium	5000	5000		
Manganese	15	15		
Molybdenum	10	10		
Nickel	40	40		
Potassium	5000	5000		
Selenium	5.0	5.0		
Silver	10	10		
Sodium	5000	5000	5060	101.2
Strontium	20	20		
Thallium	10	10		
Tin	20	20		
Titanium	20	20		
Vanadium	50	50		
Zinc	20	20		

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101909.ASC Date Analyzed: 10/19/09 Methods: SW846 6010B
QC Limits: 80 to 120 % Recovery Run ID: MA4345 Units: ug/l

Time:			11:55		12:02	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	500000	500000	506000HH	101.2	505000HH	101.0
Antimony		1000	6.0		1030	103.0
Arsenic		500	-0.26		523	104.6
Barium		500	1.9		531	106.2
Beryllium		500	-0.18		492	98.4
Boron			-57		-60	
Cadmium		1000	-0.21		935	93.5
Calcium	500000	500000	520000	104.0	508000	101.6
Chromium		500	7.0		489	97.8
Cobalt		500	-0.98		484	96.8
Copper		500	-4.6		536	107.2
Iron	200000	200000	200000	100.0	198000	99.0
Lead		500	-4.3		487	97.4
Magnesium	500000	500000	524000HH	104.8	516000HH	103.2
Manganese		500	-0.10		499	99.8
Molybdenum		500	19.2		522	104.4
Nickel		1000	0.80		901	90.1
Potassium			823		779	
Selenium		500	-0.86		513	102.6
Silver		1000	3.4		1060	106.0
Sodium			61.8		87.8	
Strontium			0.32		0.35	
Thallium		500	8.1		471	94.2
Tin			-7.3		-8.8	
Titanium			2.4		2.2	
Vanadium		500	-1.1		501	100.2
Zinc		1000	-1.6		1050	105.0

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR102009.ASC Date Analyzed: 10/20/09 Methods: SW846 6010B
Analyst: NS Run ID: MA4348
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:40	MA4348-STD1	1		STDA
11:46	MA4348-STD2	1		STDC
11:52	MA4348-STD3	1		STDE
11:57	MA4348-STD4	1		STDB
12:03	MA4348-STD5	1		STDD
13:38	MA4348-HSTD1	1		
13:47	MA4348-ICV1	1		
14:00	MA4348-ICB1	1		
14:07	MA4348-CRI1	1		
14:13	MA4348-ICSA1	1		
14:19	MA4348-ICSAB1	1		
14:27	MA4348-CCV1	1		
14:36	MA4348-CCB1	1		
14:43	T39896-1	10		(sample used for QC only; not part of login T39513)
14:49	MP10484-D1	10		
14:55	MP10484-SD1	50		
15:02	MP10484-MS	10		
15:08	MP10484-MSD	10		
15:14	ZZZZZZ	10		
15:22	MA4348-CCV2	1		
15:30	MA4348-CCB2	1		
16:15	ZZZZZZ	1		
16:21	ZZZZZZ	5		
16:28	ZZZZZZ	1		
16:34	ZZZZZZ	1		
16:50	ZZZZZZ	5		
16:57	ZZZZZZ	10		
17:05	MA4348-CCV3	1		
17:15	MA4348-CCB3	1		
17:21	MP10475-MB	1		
17:28	MP10475-LCS	1		
17:34	T39648-1A	1		(sample used for QC only; not part of login T39513)
17:41	MP10475-D1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR102009.ASC Date Analyzed: 10/20/09 Methods: SW846 6010B
Analyst: NS Run ID: MA4348
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:01	MP10475-SD1	5		
18:08	MP10475-MS	1		
18:14	MP10475-MSD	1		
18:21	ZZZZZZ	1		
18:27	ZZZZZZ	1		
18:34	ZZZZZZ	1		
18:42	MA4348-CCV4	1		
18:52	MA4348-CCB4	1		
18:58	ZZZZZZ	1		
19:05	ZZZZZZ	1		
19:11	ZZZZZZ	1		
19:19	MA4348-CCV5	1		
19:29	MA4348-CCB5	1		
19:36	MP10472-MB	1		
19:42	MP10472-LCS	1		
19:42	MP10472-B1	1		
19:49	T39647-1B	1		(sample used for QC only; not part of login T39513)
19:55	MP10472-D1	1		
20:02	MP10472-SD1	5		
20:08	MP10472-MS	1		
20:15	MP10472-MSD	1		
20:34	ZZZZZZ	1		
20:42	MA4348-CCV6	1		
20:54	MA4348-CCB6	1		
21:15	MA4348-CCV7	1		
21:25	MA4348-CCB7	1		
21:31	MP10490-MB1	1		
21:38	MP10490-LC1	1		
21:44	T39188-1	1		(sample used for QC only; not part of login T39513)
21:51	MP10490-D1	1		
21:57	MP10490-SD1	5		
22:04	MP10490-S1	1		
22:10	MP10490-S2	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR102009.ASC Date Analyzed: 10/20/09 Methods: SW846 6010B
Analyst: NS Run ID: MA4348
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
22:17	ZZZZZZ	1		
22:23	ZZZZZZ	1		
22:30	ZZZZZZ	1		
22:38	MA4348-CCV8	1		
22:48	MA4348-CCB8	1		
22:54	ZZZZZZ	1		
23:01	ZZZZZZ	1		
23:07	ZZZZZZ	1		
23:14	ZZZZZZ	1		
23:20	ZZZZZZ	1		
23:27	ZZZZZZ	1		
23:33	ZZZZZZ	1		
23:40	ZZZZZZ	1		
23:46	ZZZZZZ	1		
23:53	ZZZZZZ	1		
00:01	MA4348-CCV9	1		
00:11	MA4348-CCB9	1		
00:17	ZZZZZZ	1		
00:24	ZZZZZZ	1		
00:30	ZZZZZZ	1		
00:37	ZZZZZZ	1		
00:45	MA4348-CCV10	1		
00:55	MA4348-CCB10	1		
01:01	MP10489-MB1	1		
01:08	MP10489-B1	1		
---------->	Last reportable sample/prep for job T39513			
01:47	ZZZZZZ	1		
01:53	ZZZZZZ	1		
02:00	ZZZZZZ	1		
02:08	MA4348-CCV11	1		
02:18	MA4348-CCB11	1		
---------->	Last reportable CCB for job T39513			
02:24	ZZZZZZ	1		
02:31	ZZZZZZ	1		
02:37	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR102009.ASC Date Analyzed: 10/20/09 Methods: SW846 6010B
Analyst: NS Run ID: MA4348
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
02:44	ZZZZZZ	1		
02:50	ZZZZZZ	1		
02:57	ZZZZZZ	1		
03:03	ZZZZZZ	1		
03:10	ZZZZZZ	1		
03:18	MA4348-CCV12	1		
03:28	MA4348-CCB12	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR102009.ASC Date Analyzed: 10/20/09 Methods: SW846 6010B
Analyst: NS Run ID: MA4348
Parameters: Na

Time	Sample Description	Istd#1
11:40	MA4348-STD1	43023 R
11:46	MA4348-STD2	43306
11:52	MA4348-STD3	42154
11:57	MA4348-STD4	42653
12:03	MA4348-STD5	43121
13:38	MA4348-HSTD1	41461
13:47	MA4348-ICV1	42543
14:00	MA4348-ICB1	42598
14:07	MA4348-CRI1	42576
14:13	MA4348-ICSA1	38935
14:19	MA4348-ICSAB1	38763
14:27	MA4348-CCV1	41765
14:36	MA4348-CCB1	42585
14:43	T39896-1	42905
14:49	MP10484-D1	42880
14:55	MP10484-SD1	42483
15:02	MP10484-MS	42933
15:08	MP10484-MSD	42892
15:14	ZZZZZZ	41474
15:22	MA4348-CCV2	41634
15:30	MA4348-CCB2	42850
16:15	ZZZZZZ	41100
16:21	ZZZZZZ	43177
16:28	ZZZZZZ	43995
16:34	ZZZZZZ	46817
16:50	ZZZZZZ	42346
16:57	ZZZZZZ	41763
17:05	MA4348-CCV3	41736
17:15	MA4348-CCB3	42448
17:21	MP10475-MB	41108
17:28	MP10475-LCS	40315
17:34	T39648-1A	40492
17:41	MP10475-D1	40262

INTERNAL STANDARD SUMMARY

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR102009.ASC Date Analyzed: 10/20/09 Methods: SW846 6010B
Analyst: NS Run ID: MA4348
Parameters: Na

Time	Sample Description	Istd#1
18:01	MP10475-SD1	41348
18:08	MP10475-MS	39344
18:14	MP10475-MSD	38918
18:21	ZZZZZZ	39523
18:27	ZZZZZZ	39871
18:34	ZZZZZZ	39626
18:42	MA4348-CCV4	41340
18:52	MA4348-CCB4	42451
18:58	ZZZZZZ	40146
19:05	ZZZZZZ	39339
19:11	ZZZZZZ	39976
19:19	MA4348-CCV5	41598
19:29	MA4348-CCB5	42100
19:36	MP10472-MB	40084
19:42	MP10472-LCS	40420
19:42	MP10472-B1	40420
19:49	T39647-1B	44251
19:55	MP10472-D1	44201
20:02	MP10472-SD1	43582
20:08	MP10472-MS	43702
20:15	MP10472-MSD	43927
20:34	ZZZZZZ	43410
20:42	MA4348-CCV6	42473
20:54	MA4348-CCB6	42986
21:15	MA4348-CCV7	42261
21:25	MA4348-CCB7	42995
21:31	MP10490-MB1	42721
21:38	MP10490-LC1	45883
21:44	T39188-1	42092
21:51	MP10490-D1	42232
21:57	MP10490-SD1	42834
22:04	MP10490-S1	41026
22:10	MP10490-S2	41553

INTERNAL STANDARD SUMMARY

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR102009.ASC Date Analyzed: 10/20/09 Methods: SW846 6010B
Analyst: NS Run ID: MA4348
Parameters: Na

Time	Sample Description	Istd#1
22:17	ZZZZZZ	41147
22:23	ZZZZZZ	43047
22:30	ZZZZZZ	42646
22:38	MA4348-CCV8	42127
22:48	MA4348-CCB8	42870
22:54	ZZZZZZ	41689
23:01	ZZZZZZ	40150
23:07	ZZZZZZ	40559
23:14	ZZZZZZ	47030
23:20	ZZZZZZ	47297
23:27	ZZZZZZ	44793
23:33	ZZZZZZ	46285
23:40	ZZZZZZ	45003
23:46	ZZZZZZ	44345
23:53	ZZZZZZ	44677
00:01	MA4348-CCV9	42109
00:11	MA4348-CCB9	42675
00:17	ZZZZZZ	43066
00:24	ZZZZZZ	47267
00:30	ZZZZZZ	44053
00:37	ZZZZZZ	42801
00:45	MA4348-CCV10	42190
00:55	MA4348-CCB10	42770
01:01	MP10489-MB1	42720
01:08	MP10489-B1	41790
01:47	ZZZZZZ	40749
01:53	ZZZZZZ	40668
02:00	ZZZZZZ	41100
02:08	MA4348-CCV11	41628
02:18	MA4348-CCB11	42493
02:24	ZZZZZZ	41106
02:31	ZZZZZZ	37331
02:37	ZZZZZZ	40379

INTERNAL STANDARD SUMMARY

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR102009.ASC Date Analyzed: 10/20/09 Methods: SW846 6010B
Analyst: NS Run ID: MA4348
Parameters: Na

Time	Sample Description	Istd#1
02:44	ZZZZZZ	39945
02:50	ZZZZZZ	41308
02:57	ZZZZZZ	41129
03:03	ZZZZZZ	40944
03:10	ZZZZZZ	41493
03:18	MA4348-CCV12	41600
03:28	MA4348-CCB12	42235

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium	60-125 %

9.3.1

9

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR102009.ASC Date Analyzed: 10/20/09 Methods: SW846 6010B
QC Limits: result < RL Run ID: MA4348 Units: ug/l

Time:			14:00		14:36		15:30		17:15	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	16								
Antimony	5.0	2.3								
Arsenic	5.0	1.8								
Barium	200	.14	anr							
Beryllium	5.0	.11								
Boron	100	1.1								
Cadmium	4.0	.25								
Calcium	5000	5.4								
Chromium	10	1.1								
Cobalt	50	.5								
Copper	25	.58								
Iron	100	13								
Lead	3.0	1.6								
Magnesium	5000	6.7								
Manganese	15	.2								
Molybdenum	10	.96								
Nickel	40	.95								
Potassium	5000	53								
Selenium	5.0	3.2								
Silver	10	.85								
Sodium	5000	130	20.6	<5000	6.6	<5000	38.4	<5000	100	<5000
Strontium	20	.17								
Thallium	10	3.2								
Tin	20	1.8								
Titanium	20	.3								
Vanadium	50	.6								
Zinc	20	.49								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR102009.ASC Date Analyzed: 10/20/09 Methods: SW846 6010B
QC Limits: result < RL Run ID: MA4348 Units: ug/l

Time:			18:52		19:29		20:54		21:25	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	16	anr							
Antimony	5.0	2.3								
Arsenic	5.0	1.8	anr							
Barium	200	.14	anr							
Beryllium	5.0	.11	anr							
Boron	100	1.1	anr							
Cadmium	4.0	.25	anr							
Calcium	5000	5.4								
Chromium	10	1.1	anr							
Cobalt	50	.5	anr							
Copper	25	.58	anr							
Iron	100	13	anr							
Lead	3.0	1.6	anr							
Magnesium	5000	6.7								
Manganese	15	.2								
Molybdenum	10	.96	anr							
Nickel	40	.95	anr							
Potassium	5000	53	anr							
Selenium	5.0	3.2	anr							
Silver	10	.85	anr							
Sodium	5000	130	83.3	<5000	6.5	<5000	47.3	<5000	61.0	<5000
Strontium	20	.17								
Thallium	10	3.2	anr							
Tin	20	1.8	anr							
Titanium	20	.3								
Vanadium	50	.6	anr							
Zinc	20	.49	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR102009.ASC Date Analyzed: 10/20/09 Methods: SW846 6010B
QC Limits: result < RL Run ID: MA4348 Units: ug/l

Time:			22:48		00:11		00:55		02:18	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	16	anr							
Antimony	5.0	2.3								
Arsenic	5.0	1.8	anr							
Barium	200	.14	anr							
Beryllium	5.0	.11	anr							
Boron	100	1.1	anr							
Cadmium	4.0	.25	anr							
Calcium	5000	5.4								
Chromium	10	1.1	anr							
Cobalt	50	.5	anr							
Copper	25	.58	anr							
Iron	100	13	anr							
Lead	3.0	1.6	anr							
Magnesium	5000	6.7								
Manganese	15	.2								
Molybdenum	10	.96	anr							
Nickel	40	.95	anr							
Potassium	5000	53	anr							
Selenium	5.0	3.2	anr							
Silver	10	.85	anr							
Sodium	5000	130	65.0	<5000	4.5	<5000	78.6	<5000	42.5	<5000
Strontium	20	.17								
Thallium	10	3.2	anr							
Tin	20	1.8	anr							
Titanium	20	.3								
Vanadium	50	.6	anr							
Zinc	20	.49	anr							

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR102009.ASC Date Analyzed: 10/20/09 Methods: SW846 6010B
QC Limits: 90 to 110 % Recovery Run ID: MA4348 Units: ug/l

Time:		13:47			14:27			15:22	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic									
Barium	anr								
Beryllium									
Boron									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium	5000	5070	101.4	40000	40000	100.0	40000	40200	100.5
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR102009.ASC Date Analyzed: 10/20/09 Methods: SW846 6010B
QC Limits: 90 to 110 % Recovery Run ID: MA4348 Units: ug/l

Time:		17:05			18:42			19:19	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Boron	anr								
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium									
Manganese									
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	40000	40500	101.3	40000	41400	103.5	40000	40700	101.8
Strontium									
Thallium	anr								
Tin	anr								
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR102009.ASC Date Analyzed: 10/20/09 Methods: SW846 6010B
QC Limits: 90 to 110 % Recovery Run ID: MA4348 Units: ug/l

Time:		20:42			21:15			22:38	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Boron	anr								
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium									
Manganese									
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	40000	40900	102.3	40000	40700	101.8	40000	40800	102.0
Strontium									
Thallium	anr								
Tin	anr								
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR102009.ASC Date Analyzed: 10/20/09 Methods: SW846 6010B
QC Limits: 90 to 110 % Recovery Run ID: MA4348 Units: ug/l

Time:		00:01			00:45			02:08	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Boron	anr								
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium									
Manganese									
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	40000	40300	100.8	40000	40500	101.3	40000	40900	102.3
Strontium									
Thallium	anr								
Tin	anr								
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR102009.ASC Date Analyzed: 10/20/09 Methods: SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA4348 Units: ug/l

Time:		13:38	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum			
Antimony			
Arsenic			
Barium	anr		
Beryllium			
Boron			
Cadmium			
Calcium			
Chromium			
Cobalt			
Copper			
Iron			
Lead			
Magnesium			
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium			
Silver			
Sodium	80000	81400	101.8
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR102009.ASC Date Analyzed: 10/20/09 Methods: SW846 6010B
QC Limits: 50 to 150 % Recovery Run ID: MA4348 Units: ug/l

Time:			14:07	
Sample ID:	CRI	CRIA	CRI1	
Metal	True	True	Results	% Rec
Aluminum	200	200		
Antimony	5.0	5.0		
Arsenic	5.0	5.0		
Barium	200	200	anr	
Beryllium	5.0	5.0		
Boron	100	100		
Cadmium	4.0	4.0		
Calcium	5000	5000		
Chromium	10	10		
Cobalt	50	50		
Copper	25	25		
Iron	100	100		
Lead	3.0	3.0		
Magnesium	5000	5000		
Manganese	15	15		
Molybdenum	10	10		
Nickel	40	40		
Potassium	5000	5000		
Selenium	5.0	5.0		
Silver	10	10		
Sodium	5000	5000	5260	105.2
Strontium	20	20		
Thallium	10	10		
Tin	20	20		
Titanium	20	20		
Vanadium	50	50		
Zinc	20	20		

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR102009.ASC Date Analyzed: 10/20/09 Methods: SW846 6010B
QC Limits: 80 to 120 % Recovery Run ID: MA4348 Units: ug/l

Time:			14:13		14:19	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	500000	500000	513000HH	102.6	513000HH	102.6
Antimony		1000	3.2		1060	106.0
Arsenic		500	-0.82		532	106.4
Barium		500	1.9		537	107.4
Beryllium		500	-0.21		503	100.6
Boron			-62		-65	
Cadmium		1000	-0.50		950	95.0
Calcium	500000	500000	530000	106.0	521000	104.2
Chromium		500	7.5		498	99.6
Cobalt		500	-1.1		493	98.6
Copper		500	-4.7		541	108.2
Iron	200000	200000	203000	101.5	202000	101.0
Lead		500	-3.0		489	97.8
Magnesium	500000	500000	535000HH	107.0	530000HH	106.0
Manganese		500	0.67		509	101.8
Molybdenum		500	17.9		528	105.6
Nickel		1000	1.8		917	91.7
Potassium			845		815	
Selenium		500	2.0		522	104.4
Silver		1000	3.5		1090	109.0
Sodium			164		143	
Strontium			0.16		0.19	
Thallium		500	6.0		479	95.8
Tin			-4.0		-6.6	
Titanium			2.1		2.1	
Vanadium		500	-0.95		510	102.0
Zinc		1000	-2.1		1060	106.0

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR102209.ASC Date Analyzed: 10/22/09 Methods: SW846 6010B
Analyst: NS Run ID: MA4353
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:56	MA4353-STD1	1		STDA
11:02	MA4353-STD2	1		STDC
11:08	MA4353-STD3	1		STDE
11:13	MA4353-STD4	1		STDB
11:19	MA4353-STD5	1		STDD
11:53	MA4353-HSTD1	1		
12:00	MA4353-ICV1	1		
12:13	MA4353-ICB1	1		
12:19	MA4353-CRI1	1		
12:25	MA4353-ICSA1	1		
12:32	MA4353-ICSAB1	1		
12:44	MA4353-CCV1	1		
12:59	MA4353-CCB1	1		
13:05	MP10507-MB	1		
13:12	T39941-1C	5		(sample used for QC only; not part of login T39513)
13:18	MP10507-D1	5		
13:27	MA4353-CCV2	1		
13:37	MA4353-CCB2	1		
13:43	MP10504-MB	1		
13:49	MP10504-BS	1		
14:05	T39941-1B	5		(sample used for QC only; not part of login T39513)
14:11	MP10504-D1	5		
14:18	MP10504-SD1	25		
14:24	MP10504-MS	5		
14:31	MP10504-MSD	5		
14:45	ZZZZZZ	5		
14:51	ZZZZZZ	1		
15:00	MA4353-CCV3	1		
15:11	MA4353-CCB3	1		
15:46	MP10490-MB1	1		
15:52	MP10490-LC1	1		
15:59	T39188-1	1		(sample used for QC only; not part of login T39513)
16:05	MP10490-D1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR102209.ASC Date Analyzed: 10/22/09 Methods: SW846 6010B
Analyst: NS Run ID: MA4353
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:12	MP10490-SD1	5		
16:18	MP10490-S1	1		
16:25	MP10490-S2	1		
16:31	ZZZZZZ	1		
16:38	ZZZZZZ	1		
16:52	MA4353-CCV4	1		
17:04	MA4353-CCB4	1		
17:10	MP10489-MB1	1		
17:17	MP10489-B1	1		
17:23	T39513-5	50		
17:30	MP10489-D1	50		
17:36	MP10489-SD1	250		
17:43	MP10489-S1	50		
17:49	MP10489-S2	50		
---------->	Last reportable sample/prep for job T39513			
17:56	ZZZZZZ	1		
18:02	ZZZZZZ	5		
18:09	ZZZZZZ	5		
18:17	MA4353-CCV5	1		
18:28	MA4353-CCB5	1		
---------->	Last reportable CCB for job T39513			

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR102209.ASC Date Analyzed: 10/22/09 Methods: SW846 6010B
Analyst: NS Run ID: MA4353
Parameters: Na

Time	Sample Description	Istd#1
10:56	MA4353-STD1	39249 R
11:02	MA4353-STD2	39632
11:08	MA4353-STD3	38905
11:13	MA4353-STD4	39559
11:19	MA4353-STD5	40178
11:53	MA4353-HSTD1	38705
12:00	MA4353-ICV1	39665
12:13	MA4353-ICB1	39889
12:19	MA4353-CRI1	39650
12:25	MA4353-ICSA1	36896
12:32	MA4353-ICSAB1	36815
12:44	MA4353-CCV1	39480
12:59	MA4353-CCB1	40017
13:05	MP10507-MB	38951
13:12	T39941-1C	38819
13:18	MP10507-D1	38641
13:27	MA4353-CCV2	39384
13:37	MA4353-CCB2	39889
13:43	MP10504-MB	39894
13:49	MP10504-BS	39409
14:05	T39941-1B	40452
14:11	MP10504-D1	40639
14:18	MP10504-SD1	40227
14:24	MP10504-MS	40485
14:31	MP10504-MSD	40275
14:45	ZZZZZZ	40898
14:51	ZZZZZZ	41695
15:00	MA4353-CCV3	39591
15:11	MA4353-CCB3	40002
15:46	MP10490-MB1	39911
15:52	MP10490-LC1	43406
15:59	T39188-1	40439
16:05	MP10490-D1	40314

INTERNAL STANDARD SUMMARY

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR102209.ASC Date Analyzed: 10/22/09 Methods: SW846 6010B
Analyst: NS Run ID: MA4353
Parameters: Na

Time	Sample Description	Istd#1
16:12	MP10490-SD1	40164
16:18	MP10490-S1	39823
16:25	MP10490-S2	39825
16:31	ZZZZZZ	40546
16:38	ZZZZZZ	40619
16:52	MA4353-CCV4	39708
17:04	MA4353-CCB4	40145
17:10	MP10489-MB1	40258
17:17	MP10489-B1	39596
17:23	T39513-5	40012
17:30	MP10489-D1	39916
17:36	MP10489-SD1	39891
17:43	MP10489-S1	39789
17:49	MP10489-S2	39912
17:56	ZZZZZZ	39538
18:02	ZZZZZZ	40918
18:09	ZZZZZZ	41076
18:17	MA4353-CCV5	39613
18:28	MA4353-CCB5	39817

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR102209.ASC Date Analyzed: 10/22/09 Methods: SW846 6010B
QC Limits: result < RL Run ID: MA4353 Units: ug/l

Time:			12:13		12:59		13:37		15:11	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	16								
Antimony	5.0	2.3								
Arsenic	5.0	1.8								
Barium	200	.14	anr							
Beryllium	5.0	.11								
Boron	100	1.1								
Cadmium	4.0	.25								
Calcium	5000	5.4	anr							
Chromium	10	1.1								
Cobalt	50	.5								
Copper	25	.58	anr							
Iron	100	13								
Lead	3.0	1.6								
Magnesium	5000	6.7	anr							
Manganese	15	.2								
Molybdenum	10	.96								
Nickel	40	.95								
Potassium	5000	53								
Selenium	5.0	3.2								
Silver	10	.85								
Sodium	5000	130	11.4	<5000	84.5	<5000	-81	<5000	79.4	<5000
Strontium	20	.17								
Thallium	10	3.2								
Tin	20	1.8								
Titanium	20	.3								
Vanadium	50	.6								
Zinc	20	.49	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR102209.ASC Date Analyzed: 10/22/09 Methods: SW846 6010B
QC Limits: result < RL Run ID: MA4353 Units: ug/l

Time:			17:04		18:28	
Sample ID:			CCB4		CCB5	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	16				
Antimony	5.0	2.3	anr			
Arsenic	5.0	1.8				
Barium	200	.14	anr			
Beryllium	5.0	.11				
Boron	100	1.1				
Cadmium	4.0	.25				
Calcium	5000	5.4	anr			
Chromium	10	1.1				
Cobalt	50	.5				
Copper	25	.58				
Iron	100	13				
Lead	3.0	1.6				
Magnesium	5000	6.7	anr			
Manganese	15	.2				
Molybdenum	10	.96				
Nickel	40	.95				
Potassium	5000	53				
Selenium	5.0	3.2				
Silver	10	.85				
Sodium	5000	130	-61	<5000	26.6	<5000
Strontium	20	.17				
Thallium	10	3.2				
Tin	20	1.8				
Titanium	20	.3				
Vanadium	50	.6				
Zinc	20	.49	anr			

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR102209.ASC Date Analyzed: 10/22/09 Methods: SW846 6010B
QC Limits: 90 to 110 % Recovery Run ID: MA4353 Units: ug/l

Time:		12:00			12:44			13:27	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic									
Barium	anr								
Beryllium									
Boron									
Cadmium									
Calcium	anr								
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium	anr								
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium	5000	5070	101.4	40000	39400	98.5	40000	39500	98.8
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR102209.ASC Date Analyzed: 10/22/09 Methods: SW846 6010B
QC Limits: 90 to 110 % Recovery Run ID: MA4353 Units: ug/l

Time:		15:00			16:52			18:17	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic									
Barium	anr								
Beryllium									
Boron									
Cadmium									
Calcium	anr								
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium	anr								
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium	40000	40100	100.3	40000	39900	99.8	40000	40100	100.3
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR102209.ASC Date Analyzed: 10/22/09 Methods: SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA4353 Units: ug/l

Time:		11:53	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum			
Antimony			
Arsenic			
Barium	anr		
Beryllium			
Boron			
Cadmium	anr		
Calcium	anr		
Chromium			
Cobalt			
Copper	anr		
Iron			
Lead	anr		
Magnesium	anr		
Manganese			
Molybdenum			
Nickel	anr		
Potassium			
Selenium			
Silver			
Sodium	80000	80700	100.9
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR102209.ASC Date Analyzed: 10/22/09 Methods: SW846 6010B
QC Limits: 50 to 150 % Recovery Run ID: MA4353 Units: ug/l

Time:			12:19	
Sample ID:	CRI	CRIA	CRI1	
Metal	True	True	Results	% Rec
Aluminum	200	200		
Antimony	5.0	5.0		
Arsenic	5.0	5.0		
Barium	200	200	anr	
Beryllium	5.0	5.0		
Boron	100	100		
Cadmium	4.0	4.0		
Calcium	5000	5000	anr	
Chromium	10	10		
Cobalt	50	50		
Copper	25	25		
Iron	100	100		
Lead	3.0	3.0		
Magnesium	5000	5000	anr	
Manganese	15	15		
Molybdenum	10	10		
Nickel	40	40		
Potassium	5000	5000		
Selenium	5.0	5.0		
Silver	10	10		
Sodium	5000	5000	5170	103.4
Strontium	20	20		
Thallium	10	10		
Tin	20	20		
Titanium	20	20		
Vanadium	50	50		
Zinc	20	20	anr	

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR102209.ASC Date Analyzed: 10/22/09 Methods: SW846 6010B
QC Limits: 80 to 120 % Recovery Run ID: MA4353 Units: ug/l

Time:			12:25		12:32	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	500000	500000	508000	101.6	509000	101.8
Antimony		1000	6.2		1050	105.0
Arsenic		500	1.5		528	105.6
Barium		500	2.1		537	107.4
Beryllium		500	-0.17		500	100.0
Boron			-60		-65	
Cadmium		1000	-0.97		956	95.6
Calcium	500000	500000	523000	104.6	517000	103.4
Chromium		500	6.8		500	100.0
Cobalt		500	-1.6		496	99.2
Copper		500	-5.2		542	108.4
Iron	200000	200000	199000	99.5	200000	100.0
Lead		500	-3.4		498	99.6
Magnesium	500000	500000	530000	106.0	527000	105.4
Manganese		500	-1.3		510	102.0
Molybdenum		500	19.3		525	105.0
Nickel		1000	0.76		927	92.7
Potassium			774		768	
Selenium		500	-5.4		515	103.0
Silver		1000	3.3		1080	108.0
Sodium			208		163	
Strontium			0.46		0.42	
Thallium		500	4.4		488	97.6
Tin			-7.4		-8.1	
Titanium			2.3		2.1	
Vanadium		500	-0.44		500	100.0
Zinc		1000	-1.3		1060	106.0

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

QC Batch ID: MP10445
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 10/13/09

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	16	17		
Antimony	5.0	2.3	3		
Arsenic	5.0	1.8	2		
Barium	200	.14	2.7		
Beryllium	5.0	.11	.2		
Boron	100	1.1	2.1		
Cadmium	4.0	.25	.3		
Calcium	5000	5.4	35		
Chromium	10	1.1	1.9		
Cobalt	50	.5	.8		
Copper	25	.58	5.9		
Iron	100	13	13		
Lead	3.0	1.6	1.7		
Magnesium	5000	6.7	7.8		
Manganese	15	.2	7.6		
Molybdenum	10	.96	1.3		
Nickel	40	.95	3.2		
Potassium	5000	53	53		
Selenium	5.0	3.2	3.2		
Silver	10	.85	.8		
Sodium	5000	130	130	59.3	<5000
Strontium	20	.17	.4		
Thallium	10	3.2	2.6		
Tin	20	1.8	2.9		
Titanium	20	.3	.3		
Vanadium	50	.6	.6		
Zinc	20	.49	4.1		

Associated samples MP10445: T39513-1, T39513-7, T39513-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

QC Batch ID: MP10445 Methods: SW846 6010B
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 10/13/09 10/13/09

Metal	T39513-1 Original	DUP	RPD	QC Limits	T39513-1 Original	MS	Spikelot MPTW4	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Boron									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium	7010000	6800000	3.0	0-20	7010000	6910000	50000	-200.0(a	80-120
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP10445: T39513-1, T39513-7, T39513-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

QC Batch ID: MP10445 Methods: SW846 6010B
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 10/13/09

Metal	T39513-1 Original	MSD	Spikelot MPTW4	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Boron						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Iron						
Lead						
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium	7010000	6700000	50000	-620.0(a	3.1	20
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP10445: T39513-1, T39513-7, T39513-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

QC Batch ID: MP10445
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 10/13/09

Metal	BSP Result	Spikelot MPTW4	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium	anr			
Beryllium				
Boron				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper				
Iron				
Lead	anr			
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium	anr			
Silver	anr			
Sodium	51600	50000	103.2	80-120
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP10445: T39513-1, T39513-7, T39513-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

QC Batch ID: MP10445
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 10/13/09

Metal	T39513-1 Original	SDL 50:250%DIF		QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium	7010000	6870000	2.1	0-10
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP10445: T39513-1, T39513-7, T39513-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

QC Batch ID: MP10489
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 10/20/09

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	16	17		
Antimony	5.0	2.3	3		
Arsenic	5.0	1.8	2		
Barium	200	.14	2.7		
Beryllium	5.0	.11	.2		
Boron	100	1.1	2.1		
Cadmium	4.0	.25	.3		
Calcium	5000	5.4	35		
Chromium	10	1.1	1.9		
Cobalt	50	.5	.8		
Copper	25	.58	5.9		
Iron	100	13	13		
Lead	3.0	1.6	1.7		
Magnesium	5000	6.7	7.8		
Manganese	15	.2	7.6		
Molybdenum	10	.96	1.3		
Nickel	40	.95	3.2		
Potassium	5000	53	53		
Selenium	5.0	3.2	3.2		
Silver	10	.85	.8		
Sodium	5000	130	130	74.2	<5000
Strontium	20	.17	.4		
Thallium	10	3.2	2.6		
Tin	20	1.8	2.9		
Titanium	20	.3	.3		
Vanadium	50	.6	.6		
Zinc	20	.49	4.1		

Associated samples MP10489: T39513-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

QC Batch ID: MP10489
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date:			10/20/09						10/20/09	
Metal	T39513-5 Original	DUP	RPD	QC Limits	T39513-5 Original	MS	Spikelot MPTW4	% Rec	QC Limits
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium									
Boron									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper									
Iron	anr								
Lead	anr								
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver	anr								
Sodium	5640000	5320000	5.8	0-20	5640000	5470000	50000	-340.0(a	80-120
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP10489: T39513-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

QC Batch ID: MP10489 Methods: SW846 6010B
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 10/20/09

Metal	T39513-5 Original	MSD	Spikelot MPTW4	% Rec	MSD RPD	QC Limit
Aluminum	anr					
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium						
Boron						
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper						
Iron	anr					
Lead	anr					
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver	anr					
Sodium	5640000	5500000	50000	-280.0(a	0.5	20
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP10489: T39513-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

QC Batch ID: MP10489
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 10/20/09

Metal	BSP Result	Spikelot MPTW4	% Rec	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium				
Boron				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper				
Iron	anr			
Lead	anr			
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver	anr			
Sodium	51800	50000	103.6	80-120
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP10489: T39513-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

QC Batch ID: MP10489
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 10/20/09

Metal	T39513-5 Original	SDL 50:250%DIF		QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium				
Boron				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper				
Iron	anr			
Lead	anr			
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver	anr			
Sodium	5640000	5640000	0.1	0-10
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP10489: T39513-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Metals Analysis

Raw Data

Zoom In ▶
Zoom Out

Analysis Report Averages 10/26/09 08:46:17 AM page 1

Method: ICAPNC Sample Name: STDA Operator:
Run Time: 10/17/09 09:02 Filename: R101709
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	count	count	count	count	count	count
Avge	-.00014	.02004	-.00065	.02549	.00075	-.00752
SDev	.00029	.00008	.00109	.00048	.00007	.00003
%RSD	200.849	.41007	168.143	1.89413	10.0661	.51902

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	count	count	count	count	count	count
Avge	.02047	-.00053	-.00015	.00038	.02081	-.00053
SDev	.0003	.00048	.00033	.00006	.00102	.0002
%RSD	1.47598	91.725	224.702	17.2959	4.91965	38.8162

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	count	count	count	count	count	count
Avge	.00434	.00104	.00175	.00048	-.0002	.02108
SDev	0	.00014	.00005	.00021	.00015	.00136
%RSD	.16615	13.5902	3.26179	44.5657	72.716	6.48596

Elems	2203-1	2203-2	2068-1	2068-2	1960-1	1960-2
Units	count	count	count	count	count	count
Avge	.00648	-.00064	.00064	.00055	-.00405	.00364
SDev	.00226	.00175	.00148	.00036	.00019	.00078
%RSD	34.987	273.477	229.895	66.6253	4.72735	21.422

Elems	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2138
Units	count	count	count	count	count	count
Avge	.00124	.08196	-.0001	-.00418	-.00001	.00019
SDev	.00439	.0021	.00002	.00066	.00018	.00005
%RSD	352.35	2.56946	25.2204	15.8348	1174.78	28.7183

◀ Zoom In ▶
Zoom Out

Analysis Report Averages 10/26/09 08:46:17 AM page 2

Method: ICAPNC Sample Name: STDC Operator:
Run Time: 10/17/09 09:09 Filename: R101709
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	2068-1	2068-2
Units	count	count	count
Avge	.60657	3.69035	3.23153
SDev	.00055	.25255	.0508
%RSD	.09166	6.84368	1.57229

◀ Zoom In ▶
Zoom Out

Analysis Report Averages 10/26/09 08:46:17 AM page 3

Method: ICAPNC Sample Name: STDE Operator:
Run Time: 10/17/09 09:14 Filename: R101709
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Al3082	Ca3179	Fe2714	K_7664	Mg2790	Na3302
Units	count	count	count	count	count	count
Avge	2.87861	5.52589	1.7563	.22764	6.43902	.31339
SDev	.00885	.00373	.00419	.00013	.01393	.00024
%RSD	.30759	.06751	.23901	.06026	.21648	.07863

◀ Zoom In ▶
Zoom Out

Analysis Report Averages 10/26/09 08:46:17 AM page 4

Method: ICAPNC Sample Name: STDB Operator:
Run Time: 10/17/09 09:19 Filename: R101709
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	As1890	B_2496	Ba4934	Be3130	Cd2265	Co2286
Units	count	count	count	count	count	count
Avge	2.46967	3.19818	3.98862	9.62701	16.8635	3.23286
SDev	.00181	.00243	.00274	.00139	.01457	.00194
%RSD	.07359	.07624	.06871	.01454	.08641	.06024

Elems	Cr2677	Cu3247	Mn2576	Mo2020	Ni2316	2203-1
Units	count	count	count	count	count	count
Avge	1.48949	10.677	14.745	1.72211	6.32524	5.41195
SDev	.00108	.01692	.01235	.01802	.01068	.01103
%RSD	.07292	.15847	.08377	1.0464	.16886	.20393

Elems	2203-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units	count	count	count	count	count	count
Avge	7.16168	1.43266	1.78724	9.9179	259.169	.50515
SDev	.0178	.00124	.00581	.03591	.57685	.00083
%RSD	.24859	.08658	.32528	.36216	.22257	.16454

Elems	Tl1908	Zn2138
Units	count	count
Avge	1.39511	3.5904
SDev	.00241	.00589
%RSD	.17287	.16407

Zoom In Zoom Out

Analysis Report Averages 10/26/09 08:46:17 AM page 5

Method: ICAPNC Sample Name: STDD Operator:
Run Time: 10/17/09 09:26 Filename: R101709
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	V_2924
Units	count
Avge	1.3742
SDev	.03973
%RSD	2.89159

Zoom In Zoom Out

Analysis Report Averages 10/26/09 08:46:17 AM page 6

Method: ICAPNC Sample Name: HSTD Operator:
Run Time: 10/17/09 10:19 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.50053	79.421	3.9841	3.9708	3.9381	3.9670
SDev	.00055	.1821	.00328	.00288	.00286	.00363
%RSD	.11076	.22928	.08253	.07273	.07277	.09159

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	80.105	3.8956	3.9151	3.9176	3.9602	79.751
SDev	.0621	.00182	.00108	.00213	.00665	.07136
%RSD	.07752	.04688	.02777	.05459	.16807	.08948

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	78.589	80.243	3.9230	3.9961	79.47	3.9111
SDev	.19979	.01456	.00157	.02512	.2294	.00452
%RSD	.25422	.01815	.04002	.62869	.2887	.11562

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	3.8738	3.9408	3.9187	3.9733	4.1314	4.1663
SDev	.00111	.011	.00737	.01813	.10195	.13342
%RSD	.02872	.27937	.18818	.45641	2.4679	3.2026

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	4.0610	3.9867	3.9664	3.961	3.911	3.9352
SDev	.03905	.01014	.02217	.0109	.0051	.00423
%RSD	.9618	.25455	.55916	.274	.1309	.10762

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	3.8783	3.9234	3.9049
SDev	.06366	.00151	.0011
%RSD	1.6416	.0387	.02825

Zoom In Zoom Out

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Method: ICAPNC Sample Name: ICV Operator:
Run Time: 10/17/09 10:25 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.50428	4.8493	1.0008	.99202	1.0006	1.0200
SDev	.00025	.00443	.00214	.0003	.00059	.00167
%RSD	.04984	.09145	.2148	.0305	.05981	.16384

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	4.7991	1.0062	.99588	.99498	.97878	4.8250
SDev	.00781	.0014	.00106	.00126	.00038	.01243
%RSD	.16276	.14001	.10729	.12681	.03957	.25779

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	4.8321	4.8148	.99677	1.0133	4.887	1.0024
SDev	.00676	.00656	.0014	.00538	.0121	.00096
%RSD	.14002	.13641	.14054	.53098	.2477	.09603

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.99544	.99703	.99677	1.0032	1.0328	1.0378
SDev	.00093	.00526	.00352	.00185	.03612	.04923
%RSD	.09389	.52833	.3541	.1851	3.4976	4.7438

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	1.0224	1.0044	1.0024	1.008	L.9011	1.0080
SDev	.00993	.00163	.00198	.0028	.0002	.00012
%RSD	.97165	.16314	.19762	.2745	.0208	.01279

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.99238	1.0005	1.0292
SDev	.00696	.00158	.00145
%RSD	.70154	.15854	.14172

Zoom In Zoom Out

Analysis Report Averages 10/26/09 08:46:17 AM page 8

Method: ICAPNC Sample Name: ICB Operator:
Run Time: 10/17/09 10:45 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00039	-.00425	.00151	.00228	.00007	.00009
SDev	.00094	.00473	.0008	.00095	.00002	.00003
%RSD	238.75	111.31	52.95	42.015	32.414	40.886

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.00215	.00023	.00016	.00002	-.00071	.00084
SDev	.00208	.00026	.0002	.00063	.00017	.00435
%RSD	96.538	114.29	120.4	3029.8	24.96	516.22

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.00378	.00056	.00001	.00045	-.0299	.00023
SDev	.01712	.00269	.00012	.00063	.0371	.00066
%RSD	452.54	474.84	720.55	138.89	124	279.19

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00168	-.00108	-.00101	-.00041	.00277	.00253
SDev	.00322	.00101	.00075	.00092	.0015	.00196
%RSD	191.97	94.331	74.307	223.84	54.231	77.394

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00272	.00000	-.00091	.0003	.0000	.00042
SDev	.00119	.00302	.00162	.0021	0	.0002
%RSD	43.739	70160	176.85	620.6	55.85	47.781

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00147	.00013	-.00002
SDev	.00138	.00035	.00003
%RSD	93.624	268.21	137.53

Zoom In Zoom Out

Analysis Report Averages 10/26/09 08:46:17 AM page 9

Method: ICAPNC Sample Name: CRI Operator:
Run Time: 10/17/09 10:51 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00990	.19505	.00635	.10927	.21703	.00531
SDev	.00038	.00093	.00012	.00069	.0002	.00001
%RSD	3.8961	.48172	1.9189	.63661	.09481	.23043

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	4.9948	.00409	.05175	.00976	.02497	.09199
SDev	.01445	.00008	.00037	.0003	.00005	.0067
%RSD	.28939	1.9898	.7226	3.0857	.2075	7.2899

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	4.9762	5.0782	.01597	.01116	4.862	.04088
SDev	.00423	.01059	.00006	.00024	.0896	.00016
%RSD	.08517	.20861	.42335	2.2132	1.843	.40945

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00035	.00213	.00180	.00430	.00744	.00720
SDev	.00109	.00108	.00108	.00182	.00167	.00276
%RSD	306.61	51.029	59.901	42.37	22.575	38.423

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00738	.00361	.00437	.0204	.0182	.02168
SDev	.00059	.00101	.0026	.0018	0	.00027
%RSD	8.1163	28.15	59.71	8.961	.0429	1.2678

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00889	.05094	H.03053
SDev	.00165	.0004	.00014
%RSD	18.553	.79846	.45991

Zoom In Zoom Out

Analysis Report Averages 10/26/09 08:46:17 AM page 10

Method: ICAPNC Sample Name: ICSA Operator:
Run Time: 10/17/09 10:57 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00278	501.44	.00178	-.06143	.00205	-.00010
SDev	.00003	.16814	.00255	.00161	.00001	.00002
%RSD	1.2666	.03353	143.01	2.6367	.89127	25.193

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	513.98	-.00149	-.00126	.00647	-.00562	199.48
SDev	1.8978	.00031	.00014	.00025	.00004	.38359
%RSD	.36923	21.235	11.127	3.9077	.80039	.1923

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.77175	519.01	-.00175	.01579	.0954	-.00036
SDev	.01252	1.2945	.00084	.00043	.0502	.00028
%RSD	1.6227	.24941	48.038	2.7461	52.6	77.953

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.21482	.10155	-.00357	-.00070	.00279	.01568
SDev	.00194	.00065	.00106	.00115	.00206	.00451
%RSD	.90352	.64104	29.847	162.65	73.835	28.809

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02289	-.02004	.00923	-.0062	.0004	.00237
SDev	.00298	.00296	.00185	.0073	0	.0001
%RSD	13.027	14.78	20.049	118.1	4.174	4.4306

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00541	.00000	-.00190
SDev	.00704	.00072	.00005
%RSD	129.95	137620	2.6698

Zoom In Zoom Out

Analysis Report Averages 10/26/09 08:46:17 AM page 11

Method: ICAPNC Sample Name: ICSAB Operator:
Run Time: 10/17/09 11:03 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	1.0780	504.50	.53159	-.06681	.53159	.50947
SDev	.00132	1.0446	.00305	.00199	.00111	.00101
%RSD	.12252	.20706	.57548	2.9921	.21034	.19965

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	520.43	.96647	.49923	.50422	.53025	203.32
SDev	1.3237	.00284	.00143	.00186	.00085	.50052
%RSD	.25434	.2942	.28658	.37021	.1611	.24617

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.82256	524.77	.51275	.53063	.0894	.93080
SDev	.00981	1.1036	.00145	.00546	.025	.00519
%RSD	1.1929	.21031	.28381	1.03	27.99	.55849

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.29249	.59920	.49730	.51661	1.0461	1.0651
SDev	.00308	.00251	.00265	.00329	.03098	.03681
%RSD	1.0537	.41896	.5337	.63768	2.9616	3.4564

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	1.0081	.50581	.52231	-.0082	.0003	.00226
SDev	.01955	.00783	.00585	.0058	0	.00011
%RSD	1.9399	1.5489	1.1218	70.87	5.046	5.1594

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.47378	.50571	1.0693
SDev	.02678	.0013	.0018
%RSD	5.6527	.25756	.16893

Zoom In Zoom Out

Analysis Report Averages 10/26/09 08:46:17 AM page 12

Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/17/09 11:11 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.24790	39.000	1.9830	1.9756	1.9850	1.9979
SDev	.00032	.10529	.00257	.0049	.00077	.00107
%RSD	.12973	.26998	.12999	.24803	.03908	.05396

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	39.074	1.9614	1.9546	1.9568	1.9521	39.011
SDev	.02335	.0012	.00152	.00074	.00256	.00555
%RSD	.05977	.06154	.07787	.03802	.1314	.01423

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	39.969	39.019	1.9587	1.9775	38.45	1.9628
SDev	.13338	.06051	.00081	.01803	.2523	.00258
%RSD	.33373	.15508	.04186	.91211	.6562	.13152

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9345	1.9710	1.9590	1.9844	1.9894	1.9918
SDev	.00366	.00178	.00239	.00453	.10744	.14395
%RSD	.18969	.09064	.12247	.22839	5.4006	7.2274

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	1.9842	1.9896	1.9816	1.957	1.828	1.9754
SDev	.03467	.00201	.00779	.006	.0014	.00282
%RSD	1.7476	.10129	.39344	.3049	.0784	.1432

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9589	1.9624	1.9967
SDev	.00196	.00068	.00384
%RSD	.10013	.03484	.19241

Zoom In Zoom Out

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/17/09 11:23 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00022	-.00809	.00113	.00181	.00006	.00011
SDev	.00028	.00188	.00122	.00061	.00002	.00003
%RSD	126.97	23.319	107.15	33.635	38.132	35.103

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.00324	-.00005	.00011	-.00070	-.00044	.00234
SDev	.00116	.00006	.00034	.00009	.00023	.00342
%RSD	35.833	111.13	300.87	12.843	53.295	146.11

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.01044	.00181	-.00006	.00028	-.0419	-.00008
SDev	.00796	.0013	.00002	.00021	.0846	.00065
%RSD	76.24	71.595	33.048	74.836	201.9	735.17

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00051	-.00038	-.00016	-.00085	.00356	.00292
SDev	.00081	.00084	.00044	.00125	.00141	.00143
%RSD	157.73	218.08	267.66	147.5	39.815	49.077

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00431	-.00055	-.00127	.0003	.0000	.00048
SDev	.0025	.00136	.00199	.0004	0	.00017
%RSD	58.064	246.23	155.71	108.7	40.7	36.159

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00138	.00021	.00006
SDev	.0023	.00035	.00007
%RSD	166.14	162.14	109.33

Zoom In Zoom Out

Analysis Report Averages 10/26/09 08:46:17 AM page 14

Method: ICAPNC Sample Name: MP10461-MB1 Operator:
Run Time: 10/17/09 11:29 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00017	-.00541	.00158	.00158	.00000	.00011
SDev	.00017	.00552	.00054	.00053	.00006	.00003
%RSD	99.849	102.06	34.031	33.681	1084.6	33.065

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.00248	.00002	-.00021	-.00075	-.00107	-.00142
SDev	.00045	.00008	.0002	.00026	.00016	.00506
%RSD	18.406	305.65	98.456	35.385	15.347	355.15

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.00270	-.00082	.00004	.00016	-.0558	-.00023
SDev	.00699	.00461	.00003	.00047	.0297	.00016
%RSD	258.5	562.08	88.272	289.99	53.26	70.138

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00086	-.00131	-.00032	-.00081	.00184	.00133
SDev	.00093	.00126	.0009	.00029	.0008	.00099
%RSD	108.85	95.816	280.22	36.439	43.585	74.373

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00233	.00029	-.00164	-.0008	.0000	.00025
SDev	.00088	.00296	.00108	.0009	0	.0001
%RSD	37.842	994.31	65.593	125.1	71.09	40.81

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00021	-.00010	.00009
SDev	.001	.0001	.00012
%RSD	463.9	97.804	134.67

Zoom In Zoom Out

Analysis Report Averages 10/26/09 08:46:17 AM page 15

Method: ICAPNC Sample Name: MP10461-B1 Operator:
Run Time: 10/17/09 11:38 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.39328	51.564	.41148	1.0276	.40798	.42031
SDev	.00067	.18358	.00148	.0034	.00027	.00097
%RSD	.17122	.35603	.35969	.33159	.06728	.23239

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	51.229	.40213	.39932	.39950	.40044	50.615
SDev	.19413	.00061	.00105	.00146	.00059	.12032
%RSD	.37895	.15387	.26476	.36665	.14864	.23772

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	50.497	51.245	.41596	.41459	50.19	.40512
SDev	.15665	.14264	.00118	.00285	.1985	.00078
%RSD	.31023	.27836	.28482	.68926	.3956	.19344

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.36558	.42107	.40279	.41606	.41878	.42400
SDev	.00067	.00188	.00104	.00363	.01228	.01578
%RSD	.1834	.44691	.25893	.87286	2.9324	3.7223

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.40793	.41370	.41706	.4013	.3428	.42642
SDev	.00529	.0037	.0037	.0024	.0002	.00043
%RSD	1.2987	.89624	.88931	.5876	.0713	.102

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.40591	.40572	.42127
SDev	.00327	.00097	.00089
%RSD	.80685	.23917	.21274

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Method: ICAPNC Sample Name: T39637-1 Operator:
Run Time: 10/17/09 11:45 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00025	2.7098	.00282	.09751	.08258	.00020
SDev	.0002	.01	.00089	.00054	.00013	.00007
%RSD	80.839	.36924	31.733	.55713	.16077	36.537

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	33.812	.00002	-.00010	.00096	.00371	.16293
SDev	.17664	.00008	.00026	.0005	.00012	.00677
%RSD	.52244	391.83	248.1	51.923	3.4787	4.1573

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	6.3802	2.4492	.03070	.00999	77.61	.00099
SDev	.02617	.0114	.00016	.00065	.187	.00076
%RSD	.41021	.46556	.54275	6.5905	.241	76.814

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00412	.00077	.00215	-.00050	.00698	.00661
SDev	.00141	.00063	.00005	.00009	.00401	.00516
%RSD	34.328	81.495	2.4607	19.089	57.46	78.032

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00720	-.00473	.00133	.0003	.1289	.00522
SDev	.00202	.00045	.00015	.0011	.0001	.0001
%RSD	28.169	9.6261	11.909	338.2	.1069	2.0789

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00261	.00685	.09184
SDev	.00318	.0002	.00028
%RSD	121.47	3.0493	.31543

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Analysis Report Averages 10/26/09 08:46:17 AM page 17

Method: ICAPNC Sample Name: MP10461-D1 Operator:
Run Time: 10/17/09 11:51 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00008	2.4362	.00260	.08926	.07432	.00021
SDev	.00021	.00588	.00112	.00041	.00018	.00001
%RSD	244.09	.24142	43.338	.46651	.24696	6.0992

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	30.517	-.00006	-.00019	.00052	.00329	.15425
SDev	.07493	.00007	.00031	.0004	.0001	.0043
%RSD	.24555	105.75	162.3	77.255	3.2454	2.7894

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	5.6997	2.2110	.02787	.00869	70.18	.00092
SDev	.01202	.00221	.00007	.00033	.3388	.0003
%RSD	.21104	.10029	.26659	3.8533	.4828	32.966

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00266	.00102	.00183	-.00061	.00502	.00534
SDev	.00094	.00077	.00064	.00092	.00192	.00263
%RSD	35.596	75.561	35.232	148.79	38.4	49.335

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00385	-.00547	.00152	-.0008	.1158	.00456
SDev	.00086	.00206	.00238	.0019	.0001	.0001
%RSD	22.544	37.735	156.35	247.4	.1048	2.3019

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00338	.00649	.08372
SDev	.0009	.00005	.00013
%RSD	26.592	.88206	.16513

Zoom In
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Analysis Report Averages 10/26/09 08:46:17 AM page 18

Method: ICAPNC Sample Name: MP10461-SD1 Operator:
Run Time: 10/17/09 11:57 Filename: R101709
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00064	2.8475	.00520	.11197	.08959	.00048
SDev	.0005	.01391	.00317	.0026	.00021	.00018
%RSD	78.206	.48854	60.89	2.3229	.23613	37.355

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	36.062	.00025	-.00018	-.00006	.00070	.17230
SDev	.05892	.00016	.00066	.00278	.00095	.01774
%RSD	.16338	64.885	355.28	4610.7	134.9	10.3

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	6.2557	2.6587	.03386	.01150	82.44	.00219
SDev	.02362	.00814	.00034	.00114	.441	.00183
%RSD	.37764	.30645	1.0321	9.9955	.535	83.552

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00099	-.00345	-.00132	-.00440	.01042	.00822
SDev	.01275	.00442	.0023	.00418	.00664	.01158
%RSD	1280.9	128.13	174.17	94.952	63.706	140.9

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.01221	-.00668	-.00467	-.0054	.1401	.00678
SDev	.00337	.00551	.00871	.0068	.0001	.00049
%RSD	27.638	82.528	186.41	125.4	.0661	7.3047

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00139	.00900	.11835
SDev	.00159	.00103	.00079
%RSD	114.34	11.461	.67211

Zoom In
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Analysis Report Averages 10/26/09 08:46:17 AM page 19

Method: ICAPNC Sample Name: MP10461-S1 Operator:
Run Time: 10/17/09 12:04 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.37909	53.516	.40082	1.0894	.49261	.40466
SDev	.00077	.12647	.0027	.00178	.00038	.00135
%RSD	.2033	.23633	.67549	.16348	.07743	.33537

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	89.689	.38538	.38452	.38804	.40118	48.930
SDev	.34829	.00097	.00124	.00106	.00069	.16598
%RSD	.38833	.25423	.32397	.27337	.17275	.33923

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	57.726	51.927	.44023	.41074	140.3	.39133
SDev	.07573	.16645	.00128	.00433	.3734	.00143
%RSD	.13119	.32056	.29097	1.0546	.2662	.36776

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.35703	.40275	.38779	.38475	.40469	.40892
SDev	.00334	.00079	.00068	.00305	.01197	.01501
%RSD	.93575	.19769	.17761	.79458	2.9598	3.6716

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.39579	.37894	.38747	.3893	.4850	.42129
SDev	.0059	.00462	.00269	.0022	.0006	.00199
%RSD	1.491	1.2213	.69454	.5526	.1285	.47365

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.37210	.40182	.51063
SDev	.00702	.00149	.00151
%RSD	1.8876	.3709	.29576

Zoom In
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Analysis Report Averages 10/26/09 08:46:17 AM page 20

Method: ICAPNC Sample Name: MP10461-S2 Operator:
Run Time: 10/17/09 12:10 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.37985	53.608	.40022	1.0862	.48781	.40192
SDev	.00066	.0745	.0018	.00314	.00066	.00043
%RSD	.17572	.13898	.45183	.28941	.13575	.10782

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	85.585	.38265	.38238	.38539	.40396	48.580
SDev	.16944	.00059	.00114	.00046	.00054	.02467
%RSD	.19799	.15667	.30014	.12007	.13592	.05079

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	57.806	51.485	.43542	.40920	135.1	.38817
SDev	.14326	.07838	.00073	.00285	.2519	.00052
%RSD	.24783	.15225	.16816	.69821	.1864	.13579

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.35372	.40190	.38610	.38520	.40933	.41400
SDev	.00259	.00198	.00092	.00145	.00683	.0092
%RSD	.73281	.49366	.24048	.37901	1.6701	2.2222

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.39954	.38096	.38713	.3865	.4750	.41978
SDev	.00212	.00154	.00179	.0005	.0007	.00096
%RSD	.53089	.40612	.46426	.1422	.1432	.23034

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.37257	.40002	.50119
SDev	.00488	.00074	.0006
%RSD	1.3108	.1869	.12065

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Method: ICAPNC Sample Name: T39514-3 Operator:
Run Time: 10/17/09 12:16 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00036	.03183	.00186	.01115	.04523	.00014
SDev	.00023	.00379	.00096	.00063	.00011	0
%RSD	65.351	11.915	51.603	5.7058	.25811	4.0029

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	27.814	-.00012	-.00045	.00049	-.00047	.02541
SDev	.15983	.00005	.00045	.00016	.0001	.00129
%RSD	.57466	45.297	101.3	32.952	22.496	5.0941

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	2.0140	5.5699	.09120	.03855	33.69	-.00010
SDev	.01768	.02273	.00049	.00073	.1292	.00022
%RSD	.87812	.40812	.5478	1.9035	.3836	225.68

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00112	.00037	.00089	.00013	.00503	.00574
SDev	.00243	.00099	.00049	.00065	.00144	.00174
%RSD	215.62	266.4	55.422	484.78	28.755	30.44

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00308	-.00490	.00237	.0006	.1883	.00055
SDev	.00187	.00252	.00066	.0012	.0006	.00017
%RSD	60.72	51.441	27.894	193.6	.3201	31.69

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00179	.00398	.00110
SDev	.00245	.00027	.00001
%RSD	136.28	6.8719	1.4192

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Method: ICAPNC Sample Name: T39542-1 Operator:
Run Time: 10/17/09 12:22 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00034	.32607	.01188	.67881	.12361	.00001
SDev	.00015	.00144	.00099	.00101	.00006	.00001
%RSD	45.23	.44348	8.353	.14892	.05306	110.94

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	51.753	.00078	.07221	.02135	.04166	1.0666
SDev	.01038	.00006	.0003	.00024	.00021	.00132
%RSD	.02006	8.5916	.41862	1.1356	.52126	.12434

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	37.536	11.551	.14957	4.2449	61.15	.12147
SDev	.00962	.01448	.00003	.03293	.1961	.00079
%RSD	.02564	.12541	.02138	.77594	.3208	.65255

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.02695	.01812	.02133	.00381	.00067	.01409
SDev	.0007	.00067	.00036	.00177	.00124	.00143
%RSD	2.6295	3.7385	1.7057	46.616	184.34	10.2

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02674	-.00050	.00570	.0080	.2494	.00548
SDev	.00113	.00138	.002	.0012	.0001	.00008
%RSD	4.2477	274.14	35.249	14.41	.0511	1.5064

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00477	-.00380	.08458
SDev	.00067	.00016	.00014
%RSD	14.106	4.417	.16672

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Method: ICAPNC Sample Name: T39628-1 Operator:
Run Time: 10/17/09 12:29 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00014	.99954	.00618	.23606	.02234	.00003
SDev	.00043	.00574	.00112	.00058	.00005	.00006
%RSD	296.53	.57453	18.181	.2464	.24506	152.3

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	4.9262	-.00004	.00137	.00891	.00708	.41552
SDev	.01757	.0001	.0002	.00024	.00022	.0028
%RSD	.3568	230.3	14.619	2.7277	3.2384	.67621

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H159.99	.55388	.01224	.02551	106.2	.00358
SDev	.47233	.00327	.00008	.00492	.157	.00013
%RSD	.29523	.59175	.70239	19.302	.1478	3.7989

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00437	.00026	.00190	.00102	.00378	.00406
SDev	.00119	.00068	.0005	.00112	.00117	.00161
%RSD	27.304	256.99	26.648	109.45	31.081	39.723

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00268	-.00555	.00403	.0001	.1140	.01400
SDev	.00031	.00029	.00157	.0012	.0002	.00024
%RSD	11.773	5.2381	38.914	871.1	.1416	1.7802

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00420	.01335	.01360
SDev	.00123	.00045	.00009
%RSD	29.375	3.4021	.67549

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/17/09 12:37 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.25476	40.178	2.0187	2.0454	2.0290	2.0356
SDev	.00059	.14822	.00256	.00156	.0018	.00306
%RSD	.23334	.36892	.1269	.07632	.08895	.15068

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	40.498	2.0008	1.9918	1.9960	1.9878	40.210
SDev	.08322	.00344	.00088	.00209	.00412	.03974
%RSD	.20551	.17194	.04451	.1052	.20732	.09884

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	41.076	40.284	1.9959	2.0265	39.85	2.0034
SDev	.13271	.04109	.00227	.01634	.2042	.00303
%RSD	.3231	.102	.11415	.80642	.5124	.15145

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9731	2.0069	1.9958	2.0126	2.0470	2.0514
SDev	.00593	.00341	.00131	.00401	.07529	.09551
%RSD	.30075	.17025	.0657	.19952	3.6784	4.656

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0377	2.0262	2.0056	1.996	1.881	2.0281
SDev	.03517	.00662	.00415	.0009	.0017	.00149
%RSD	1.726	.32712	.20717	.0431	.0897	.07355

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9464	2.0185	2.0359
SDev	.06109	.00161	.00232
%RSD	3.1391	.08	.11416

Zoom In Zoom Out

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/17/09 12:48 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00015	-.01034	.00082	.00181	.00003	.00011
SDev	.00008	.00083	.00085	.00076	.00004	.00002
%RSD	56.003	8.0956	103.72	41.982	142.97	19.17

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.01013	-.00004	-.00004	-.00047	-.00112	.00233
SDev	.00879	.00013	.00019	.00014	.00015	.00273
%RSD	86.823	309.6	489.74	31.608	14.07	117.38

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.02719	.00118	-.00002	.00133	-.0543	-.00061
SDev	.00298	.00072	.00003	.00033	.0647	.00035
%RSD	10.959	60.598	167.57	24.671	119.3	57.218

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00036	.00030	.00035	.00078	.00396	.00404
SDev	.00153	.00105	.00085	.00094	.0014	.00129
%RSD	417.37	343.28	239.75	120.39	35.357	32.075

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00328	.00091	.00042	-.0020	.0001	.00059
SDev	.00162	.00036	.00134	.002	0	.0001
%RSD	49.58	39.678	318.67	99.53	60.69	16.92

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00006	.00007	.00013
SDev	.00114	.00013	.0002
%RSD	1763	172.95	145.86

Zoom In Zoom Out

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Method: ICAPNC Sample Name: T39628-2 Operator:
Run Time: 10/17/09 12:54 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00023	11.088	.00738	.04019	.18615	.00084
SDev	.00029	.02544	.00082	.00056	.00017	.00002
%RSD	126.9	.22944	11.146	1.4075	.09222	2.3606

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	64.994	.00000	.00440	.01711	.01298	10.657
SDev	.1511	.00015	.00017	.00026	.00011	.02492
%RSD	.23249	18797	4.0173	1.5408	.84777	.23391

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	9.3483	3.4705	.28012	.00521	13.15	.01081
SDev	.01465	.01292	.00034	.00053	.0784	.00035
%RSD	.15681	.37251	.12162	10.268	.596	3.2715

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.01223	.02292	.01959	.00058	.00408	.00464
SDev	.00113	.00155	.00113	.00133	.00006	.00017
%RSD	9.2689	6.7875	5.8119	228.3	1.5784	3.7858

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00246	-.00462	.00292	.0010	.0829	.22414
SDev	.00039	.00053	.00209	.001	0	.00065
%RSD	16.096	11.579	71.623	91.3	.0376	.29246

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00433	.03144	.13654
SDev	.00027	.00047	.00034
%RSD	6.4078	1.5141	.25196

Zoom In Zoom Out

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Method: ICAPNC Sample Name: T39628-3 Operator:
Run Time: 10/17/09 13:00 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00000	13.865	.00666	.02877	.13254	.00102
SDev	.00014	.06315	.00078	.00079	.00014	.00001
%RSD	3299.2	.45549	11.786	2.7708	.10764	1.0529

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	96.934	-.00022	.00389	.01521	.01075	13.226
SDev	.20018	.00005	.00027	.0003	.00021	.03626
%RSD	.20651	23.15	6.9776	2.0213	2.0158	.27424

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	4.2520	7.1635	.26039	.00326	5.009	.01032
SDev	.01366	.0131	.00033	.0004	.1213	.00026
%RSD	.32144	.18294	.12998	12.331	2.421	2.6077

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00249	.01433	.01065	.00180	.00362	.00533
SDev	.00172	.00095	.00022	.00136	.00124	.00077
%RSD	69.044	6.6703	2.0947	75.237	34.385	14.52

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00030	-.00533	.00514	.0003	.1506	.27551
SDev	.00222	.00137	.00134	.0014	.0001	.00019
%RSD	719.07	25.831	26.135	443.9	.1032	.07171

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00264	.02760	.08141
SDev	.00211	.00033	.00009
%RSD	80.276	1.2201	.11266

Zoom In Zoom Out

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Method: ICAPNC Sample Name: T39636-1 Operator:
Run Time: 10/17/09 13:07 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00027	.49807	.00124	.22162	.08124	.00000
SDev	.00017	.00048	.00075	.0005	.00002	.00001
%RSD	64.594	.09642	61.052	.22866	.03659	293.68

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	69.911	.00045	.00040	.00009	.00596	.06005
SDev	.12312	.00004	.00021	.00032	.00018	.00058
%RSD	.17612	9.3678	54.866	335.44	3.1604	.97092

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	17.243	7.1610	.03023	.00903	128.8	.01362
SDev	.01144	.00702	.00005	.00002	.7212	.00026
%RSD	.06634	.09807	.18281	.23704	.5599	1.9212

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00228	-.00093	.00038	.00066	.00293	.00289
SDev	.00058	.00062	.00032	.00097	.00036	.00062
%RSD	25.439	66.66	83.685	147.3	12.367	21.715

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00247	-.00463	.00304	-.0001	.4162	.00057
SDev	.00062	.00129	.0014	.0004	.0001	.00017
%RSD	25.036	27.996	46.107	470.6	.0208	30.582

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00503	.00102	.01772
SDev	.00105	.00029	.00011
%RSD	21.011	29.288	.63521

Zoom In Zoom Out

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Method: ICAPNC Sample Name: T39662-1 Operator:
Run Time: 10/17/09 13:13 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00067	.08650	.00348	.08530	.02523	-.00009
SDev	.00115	.00338	.00142	.00089	.00005	.00004
%RSD	169.89	3.9165	40.804	1.0546	.2234	50.917

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	40.582	.00011	.00007	.00104	.00054	.01868
SDev	.33879	.00021	.00017	.00104	.00012	.00655
%RSD	.83484	192.2	241.08	99.942	23.175	35.091

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	11.943	12.956	.00498	.05663	H363.4	.00255
SDev	.08233	.06918	.00016	.00109	.7715	.00108
%RSD	.68945	.53398	3.2574	1.9406	.2123	42.41

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00353	-.00093	.00081	-.00169	.00114	.00043
SDev	.00293	.00322	.00121	.00115	.00151	.00279
%RSD	82.791	344.68	148.64	68.206	132.12	648.35

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00203	-.00616	.00026	.0014	.1888	.00028
SDev	.00115	.00119	.00227	.0031	.0005	0
%RSD	56.821	19.431	851.98	213.9	.2687	3.3261

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00252	.00423	.00622
SDev	.00311	.00025	.00004
%RSD	123.65	6.1129	.79926

Zoom In Zoom Out

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Method: ICAPNC Sample Name: T39668-1 Operator:
Run Time: 10/17/09 13:19 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00000	.30760	.00107	.01498	.05592	.00009
SDev	.00032	.00175	.00069	.00038	.00002	.00002
%RSD	3789.2	.57148	64.257	2.5787	.04522	32.101

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	3.8699	.00009	-.00022	.00049	.00906	.22393
SDev	.01615	.00004	.00028	.00008	.00013	.0079
%RSD	.41754	53.871	129.08	17.091	1.4483	3.5312

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	2.0239	.56950	.00644	.00133	3.585	.00063
SDev	.00091	.00256	.00002	.0007	.045	.00058
%RSD	.04544	.44997	.45002	52.545	1.256	91.508

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00470	-.00090	.00122	-.00051	.00168	.00123
SDev	.00231	.00089	.00079	.00082	.00106	.00166
%RSD	49.275	98.809	64.681	160.51	63.315	134.72

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00204	-.00385	.00085	.0005	.0137	.00555
SDev	.00014	.00287	.00022	.0015	0	.00018
%RSD	6.9862	74.731	25.782	278	.1274	3.3715

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00549	.00170	.05954
SDev	.00118	.00011	.00014
%RSD	21.585	7.0122	.24575

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Method: ICAPNC Sample Name: T39668-2 Operator:
Run Time: 10/17/09 13:25 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00011	.36066	.00204	.01408	.07727	.00013
SDev	.00014	.00066	.00069	.00091	.00013	.00001
%RSD	130.31	.18413	33.916	6.5019	.17107	10.607

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	4.3624	.00003	.00014	.00140	.00301	.25080
SDev	.01498	.00007	.00038	.00006	.00035	.00593
%RSD	.34361	218.38	265.09	4.546	11.842	2.3649

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	1.8614	1.3456	.00726	.00091	3.782	-.00015
SDev	.00437	.00078	.00003	.00028	.0341	.00017
%RSD	.23525	.0585	.51185	30.799	.9008	115.17

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00963	.00486	.00671	-.00091	.00061	.00007
SDev	.00124	.00152	.00061	.00047	.00162	.00172
%RSD	12.967	31.307	9.0823	52.171	263.54	2241.3

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00116	-.00567	.00117	.0002	.0215	.00480
SDev	.00159	.00098	.00093	.0006	0	.00008
%RSD	137.16	17.359	78.963	255.6	.1944	1.8528

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00415	.00211	.18795
SDev	.0007	.00048	.00055
%RSD	17.039	22.833	.29758

Zoom In Zoom Out

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Method: ICAPNC Sample Name: T39668-3 Operator:
Run Time: 10/17/09 13:32 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00018	.32769	.00132	.01569	.06490	.00009
SDev	.00072	.00079	.00047	.0006	.0001	.00001
%RSD	397.9	.2432	35.922	3.8357	.15905	16.763

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	5.3261	.00006	.00000	.00117	.00174	.16761
SDev	.02179	.00007	.00005	.00041	.00011	.00273
%RSD	.40918	110.84	730.1	35.532	6.5237	1.6316

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	1.3371	1.8462	.00625	.00092	7.781	-.00023
SDev	.00629	.00743	.00004	.00015	.0676	.00086
%RSD	.47088	.4027	.74112	17.14	.8692	368.94

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00685	.00321	.00469	.00148	.00043	-.00043
SDev	.00306	.00083	.00118	.00046	.00153	.00199
%RSD	44.793	26.022	25.286	31.353	353.87	462.79

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00163	-.00246	.00317	.0001	.0264	.00296
SDev	.0006	.00205	.00141	.0012	0	0
%RSD	36.909	83.311	44.671	1443	.0964	.16398

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00159	.00164	.24222
SDev	.00027	.00011	.0005
%RSD	17.064	6.8598	.20667

Zoom In Zoom Out

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Method: ICAPNC Sample Name: T39668-4 Operator:
Run Time: 10/17/09 13:38 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00015	.54537	.00280	.01812	.11437	.00013
SDev	.00025	.00164	.00113	.00087	.00034	.00001
%RSD	170.68	.30109	40.596	4.8288	.30031	9.5853

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	6.6594	.00000	.00083	.00073	.00513	.34161
SDev	.01191	.00017	.00015	.00026	.00036	.00219
%RSD	.17887	19548	18.994	35.516	7.0596	.64365

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	4.2949	2.7537	.01388	.00143	4.780	.00049
SDev	.01596	.00448	.00004	.00026	.0277	.00038
%RSD	.37169	.16282	.30168	18.543	.5795	78.37

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00438	.00243	.00335	-.00050	.00161	.00148
SDev	.00152	.00144	.00051	.00052	.00108	.00167
%RSD	34.745	59.211	15.365	104.75	67.59	112.92

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00132	-.00410	.00100	.0002	.0295	.00466
SDev	.00016	.00164	.00124	.0007	.0001	.0001
%RSD	12.557	40.133	123.11	325.7	.2042	2.1566

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00460	.00227	.25427
SDev	.00033	.00042	.00053
%RSD	7.1694	18.463	.21191

Zoom In Zoom Out

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Method: ICAPNC Sample Name: T39766-1 Operator:
Run Time: 10/17/09 13:44 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00017	.36893	.00137	.18354	.06650	.00000
SDev	.00021	.00211	.00143	.00016	.00014	.00002
%RSD	122.15	.57426	104.19	.08981	.2118	342.28

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	62.756	.00076	.00043	.00031	.00551	.04635
SDev	.06901	.00006	.00033	.00016	.00008	.00245
%RSD	.10997	8.4756	77.184	52.835	1.4857	5.2954

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	13.865	6.4257	.02791	.00785	108.6	.01170
SDev	.00975	.00827	.00008	.00003	.1869	.00008
%RSD	.07039	.12881	.31143	.46651	.172	.6856

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00291	.00022	.00139	-.00029	.00077	.00068
SDev	.00063	.00051	.00043	.00022	.00097	.00131
%RSD	21.736	224.27	30.891	76.294	126.98	192.7

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00041	-.00551	.00206	.0003	.3585	.00050
SDev	.00032	.00106	.00055	.0013	.0004	0
%RSD	78.393	19.337	27.118	493.2	.1022	.55842

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00444	.00097	.02032
SDev	.00174	.00024	.00013
%RSD	39.173	25.577	.6814

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/17/09 13:52 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.25440	39.964	2.0348	2.0383	2.0260	2.0721
SDev	.00044	.11178	.00309	.00287	.00259	.00483
%RSD	.17441	.27971	.15186	.14081	.12784	.23336

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	41.039	2.0357	2.0197	2.0284	1.9843	40.559
SDev	.14676	.00607	.00486	.00722	.00159	.11746
%RSD	.35762	.2986	.24078	.35605	.08049	.28962

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	40.612	40.652	2.0231	2.0257	39.54	2.0350
SDev	.07132	.10867	.0055	.01726	.2662	.0055
%RSD	.17561	.26733	.2723	.85212	.6732	.27065

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	2.0065	2.0402	2.0292	2.0272	2.0255	2.0213
SDev	.00658	.00252	.00368	.00448	.10484	.13573
%RSD	.32806	.12369	.18139	.22116	5.1763	6.7149

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0333	2.0403	2.0204	2.009	1.867	2.0279
SDev	.04322	.00479	.00517	.0053	.0035	.00406
%RSD	2.1258	.23513	.2561	.2653	.1876	.20033

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9956	2.0232	2.0613
SDev	.02239	.00583	.00556
%RSD	1.1222	.28827	.2701

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/17/09 14:02 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00067	-.01050	.00256	.00259	.00002	.00011
SDev	.00067	.00293	.00012	.00041	.00002	.00001
%RSD	99.711	27.887	5.0317	15.853	86.058	15.917

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.00781	.00015	-.00006	.00035	-.00087	.00680
SDev	.00067	.00025	.00022	.0007	.00007	.00182
%RSD	8.5982	161.71	319.42	197.79	8.9312	26.77

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.03430	.00188	.00002	.00161	.0574	.00015
SDev	.00967	.00136	.00007	.00067	.0552	.00077
%RSD	28.213	72.678	262.88	41.686	96.11	507.67

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00202	-.00075	.00040	.00015	.00335	.00245
SDev	.00263	.0016	.00032	.00007	.00054	.00124
%RSD	130.16	212.17	78.801	49.714	16.168	50.608

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00461	.00165	-.00089	.0009	.0001	.00041
SDev	.00091	.0008	.00027	.0033	0	.0001
%RSD	19.704	48.848	31.171	379.6	15.35	24.671

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00243	.00020	-.00007
SDev	.00177	.00024	.0001
%RSD	72.847	118.03	140.24

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Method: ICAPNC Sample Name: CRI Operator:
Run Time: 10/17/09 14:08 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.01005	.20204	.00687	.11217	.21691	.00540
SDev	.00065	.00321	.00148	.0012	.00015	.00002
%RSD	6.5411	1.5904	21.552	1.0763	.07004	.53312

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	5.1139	.00420	.05276	.00967	.02532	.09428
SDev	.00941	.00014	.00026	.00069	.00007	.00143
%RSD	.1841	3.3963	.49937	7.1599	.31583	1.5203

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	5.0624	5.1883	.01616	.01147	5.039	.04216
SDev	.00842	.00681	.00007	.00032	.021	.00037
%RSD	.16651	.13127	.47563	2.8608	.4167	.87772

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00277	.00247	.00284	.00543	.00709	.00642
SDev	.00108	.00024	.00021	.00073	.00119	.00192
%RSD	38.922	9.9982	7.5382	13.492	16.828	29.935

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00791	.00689	.00441	.0192	.0185	.02191
SDev	.00028	.00204	.00094	.0025	0	.00011
%RSD	3.5571	29.695	21.499	13.08	.113	.5115

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.01069	.05170	.02625
SDev	.00201	.00011	.00014
%RSD	18.881	.21293	.53497

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Method: ICAPNC Sample Name: ICSA Operator:
Run Time: 10/17/09 14:14 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00290	515.51	.00174	-.06164	.00220	-.00009
SDev	.00033	2.0871	.00104	.00079	.00002	.00003
%RSD	11.429	.40486	59.677	1.2886	1.1186	40.296

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	532.32	-.00119	-.00125	.00633	-.00568	205.42
SDev	.08558	.00039	.00008	.00047	.0001	.32058
%RSD	.01607	32.711	6.7592	7.5082	1.8762	.15606

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.85021	537.05	-.00158	.01791	.0992	.00031
SDev	.01643	1.7809	.00107	.00013	.0844	.00067
%RSD	1.933	.3316	67.986	.74965	85.09	210.29

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.21796	.10258	-.00390	-.00273	.00381	.01817
SDev	.00207	.0036	.00196	.00177	.00225	.00389
%RSD	.95137	3.5184	50.276	64.985	59.266	21.447

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02480	-.02147	.00690	-.0075	.0004	.00227
SDev	.00127	.00267	.00159	.0061	0	.00021
%RSD	5.1442	12.455	23.087	80.38	4.263	9.4162

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00577	-.00031	-.00111
SDev	.00732	.00008	.00027
%RSD	126.73	27.367	25.006

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Method: ICAPNC Sample Name: ICSAB Operator:
Run Time: 10/17/09 14:20 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	1.0934	511.28	.53957	-.06499	.54268	.51408
SDev	.00124	.28973	.00101	.00078	.00019	.00095
%RSD	.11425	.05666	.18881	1.2017	.03561	.18607

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	522.73	.97313	.50234	.50780	.54008	204.45
SDev	1.3702	.00197	.00106	.001	.00033	.29465
%RSD	.26213	.20251	.21162	.19865	.06146	.14411

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.80902	530.54	.51565	.53622	.1428	.93806
SDev	.01102	1.1571	.00174	.00524	.0601	.00226
%RSD	1.3631	.2181	.33854	.97838	42.08	.24175

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.29256	.60380	.50037	.52104	1.0535	1.0702
SDev	.00214	.00438	.00269	.00118	.03817	.04883
%RSD	.73221	.72643	.53863	.2265	3.6238	4.5634

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	1.0203	.51004	.52684	-.0070	.0004	.00233
SDev	.01685	.00304	.00131	.0083	0	0
%RSD	1.6521	.59777	.25049	119.2	1.532	.13584

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.47805	.51119	1.0770
SDev	.03145	.00062	.00301
%RSD	6.5806	.12268	.27962

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/17/09 14:28 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.25516	40.430	2.0478	2.0535	2.0504	2.0730
SDev	.00006	.08227	.00629	.00337	.00266	.00398
%RSD	.02608	.2035	.30731	.16456	.12987	.19217

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	40.870	2.0389	2.0264	2.0303	2.0051	40.633
SDev	.10113	.00259	.00434	.00377	.00381	.08481
%RSD	.24746	.12727	.21455	.18589	.19032	.20874

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	41.093	40.783	2.0293	2.0332	40.01	2.0411
SDev	.07753	.0824	.00357	.02174	.0391	.00268
%RSD	.18869	.20206	.176	1.0693	.0978	.13171

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	2.0116	2.0399	2.0307	2.0486	2.0478	2.0447
SDev	.00416	.00808	.00431	.00266	.10049	.13416
%RSD	.2071	.39646	.2123	.13022	4.9077	6.5618

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0534	2.0639	2.0407	2.006	1.887	2.0411
SDev	.03306	.0083	.00273	.0101	.0017	.00576
%RSD	1.6101	.40234	.13381	.5019	.0903	.28255

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	2.0023	2.0315	2.0618
SDev	.0262	.00417	.00401
%RSD	1.3087	.20564	.1949

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/17/09 14:42 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00014	-.00423	.00007	.00204	.00001	.00002
SDev	.00029	.003	.00154	.00051	.00002	.00001
%RSD	199.17	71.101	2172.4	25.224	170.63	54.78

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.00428	.00000	-.00012	-.00046	-.00107	-.00033
SDev	.00161	.00007	.00025	.00009	.00013	.00137
%RSD	37.772	8376	208.78	19.473	12.562	404.83

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.00923	.00006	-.00005	.00069	-.0689	.00010
SDev	.00534	.00092	.00003	.00047	.0307	.00023
%RSD	57.9	1520.9	67.731	67.387	44.58	225.86

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00135	-.00008	-.00024	.00002	.00364	.00364
SDev	.00164	.00151	.00054	.00145	.00023	.00094
%RSD	121.08	1734.2	225.26	6950.1	6.3391	26.048

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00309	.00005	-.00028	-.0007	.0000	.00018
SDev	.00145	.00248	.00211	.0014	0	.0001
%RSD	46.89	4191.3	734.75	192.9	46.3	54.755

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00031	-.00005	-.00003
SDev	.00121	.0001	.00008
%RSD	384.53	176.06	230.41

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Method: ICAPNC Sample Name: MP10480-MB1 Operator:
Run Time: 10/17/09 15:14 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00012	.02099	.00848	.09238	.08716	.00001
SDev	.00013	.00581	.00029	.00077	.00001	.00002
%RSD	113.22	27.684	3.5041	.84029	.02104	117.28

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.74947	-.00004	.00016	-.00003	.00200	.00819
SDev	.00623	.00003	.00035	.00003	.00011	.00283
%RSD	.83169	82.36	210.76	84.909	5.5128	34.586

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.06593	.11394	.00101	.00012	4.118	-.00060
SDev	.00736	.00024	.00003	.00013	.0204	.0004
%RSD	11.164	.21267	3.2801	110.84	.4944	67.188

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00426	-.00059	.00125	.00901	.00157	.00196
SDev	.00243	.0024	.00129	.00017	.00153	.00253
%RSD	57.24	405.62	102.89	1.9779	97.642	128.9

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00024	.00264	.01190	.0129	.0017	.00018
SDev	.00058	.00259	.00146	.0014	0	.0001
%RSD	233.67	98.177	12.266	10.53	.8145	55.505

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.02187	.00013	.02400
SDev	.00238	.00016	.00007
%RSD	10.908	124.66	.33158

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Method: ICAPNC Sample Name: MP10480-B1 Operator:
Run Time: 10/17/09 15:21 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.02151	51.853	2.0008	.00162	5.1482	.05201
SDev	.00037	.22019	.00147	.00056	.0073	.00011
%RSD	1.7236	.42464	.07373	34.887	.14188	.21553

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.04014	.05139	.52488	.20623	.26013	.00296
SDev	.00079	.00017	.00143	.00021	.00078	.00146
%RSD	1.968	.33422	.27297	.10641	.3011	49.257

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.04453	.00224	.52768	.41284	.0290	.50199
SDev	.00495	.00207	.00107	.00423	.056	.00216
%RSD	11.137	92.688	.20459	1.0253	193.3	.43099

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9802	1.9810	1.9810	1.8905	.50364	.50540
SDev	.0034	.01318	.00894	.00281	.01451	.01823
%RSD	.17195	.66555	.45178	.14884	2.8811	3.6071

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.49957	1.9016	1.8847	-.0027	.0002	.00005
SDev	.00706	.00462	.00407	.0014	0	0
%RSD	1.4137	.24337	.21621	52.18	5.966	3.9845

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9085	.51652	.54198
SDev	.07535	.00085	.00128
%RSD	3.9485	.16609	.23684

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Method: ICAPNC Sample Name: T39408-1 Operator:
Run Time: 10/17/09 15:27 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00450	2.9085	.02354	.56198	.64290	.00034
SDev	.00046	.02679	.00257	.00279	.00059	.00001
%RSD	10.242	.92139	10.952	.49823	.092	5.066

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H1226.8	-.00052	.23742	.06625	-.00878	291.35
SDev	2.0097	.00031	.00065	.00044	.00011	.72236
%RSD	.16381	60.184	.27679	.66667	1.331	.24793

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	8.3085	12.684	4.1886	.04901	24.02	1.2503
SDev	.03351	.0121	.00893	.00028	.1822	.002
%RSD	.4034	.09539	.2132	.57775	.7585	.16043

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.13483	.09788	.02063	.00825	.02076	.04592
SDev	.0027	.00181	.00032	.00083	.00124	.00154
%RSD	2.0089	1.8545	1.5624	10.092	5.9779	3.3585

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02967	-.01585	.02076	.0108	2.001	.00363
SDev	.00307	.0025	.0023	.0021	.0002	.0002
%RSD	10.36	15.83	11.089	19.68	.011	5.6908

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00474	.01102	H21.383
SDev	.01503	.00033	.03576
%RSD	316.88	3.0301	.16725

Zoom In Zoom Out

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Method: ICAPNC Sample Name: MP10480-D1 Operator:
Run Time: 10/17/09 15:34 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00426	2.9318	.02330	.55045	.63192	.00041
SDev	.00055	.00506	.00096	.00288	.00026	.00002
%RSD	13.043	.17276	4.1419	.52345	.04161	5.7027

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H1213.9	-.00050	.23403	.06505	-.00866	286.93
SDev	1.6426	.00016	.00031	.00077	.00012	.27304
%RSD	.13531	31.748	.13465	1.1922	1.4306	.09516

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	8.1396	12.505	4.1407	.04780	23.39	1.2290
SDev	.01569	.01671	.00485	.00055	.1555	.00227
%RSD	.19285	.13369	.11712	1.1656	.6647	.18518

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.13535	.09878	.02105	.00682	.01735	.04241
SDev	.00354	.00258	.00141	.0024	.00053	.0002
%RSD	2.6169	2.6161	6.7313	35.325	3.0976	.47415

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.03288	-.01731	.01932	.0090	1.956	.00422
SDev	.00137	.00301	.0022	.002	.0004	.00002
%RSD	4.1935	17.419	11.397	22.6	.0208	.58545

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.01278	.01093	H21.300
SDev	.00563	.00032	.05177
%RSD	44.036	2.9595	.24307

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Method: ICAPNC Sample Name: MP10480-SD1 Operator:
Run Time: 10/17/09 15:40 Filename: R101709
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00113	2.9114	.02737	.58083	.67806	.00041
SDev	.00267	.01956	.00697	.00147	.00066	.00008
%RSD	234.61	.67185	25.458	.25409	.0983	20.203

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H1273.4	-.00223	.25008	.06535	-.01397	298.22
SDev	1.0761	.00087	.00149	.0025	.00106	.17396
%RSD	.08451	39.118	.59758	3.8277	7.6206	.05833

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	7.1771	13.399	4.3959	.04722	23.28	1.3298
SDev	.02679	.01158	.00353	.00121	.2301	.00131
%RSD	.37335	.08649	.08042	2.579	.9884	.0989

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.14330	.09851	.01905	.00825	.02175	.05006
SDev	.00173	.0044	.00346	.00902	.00815	.00984
%RSD	1.2123	4.4752	18.177	109.43	37.47	19.668

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.03716	-.01512	.01928	.0072	1.946	.00474
SDev	.00496	.00936	.00918	.0036	.0017	.00138
%RSD	13.362	61.919	47.654	49.47	.0851	29.108

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00843	.01155	H33.760
SDev	.00442	.0008	.02776
%RSD	52.492	7.0063	.08224

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Method: ICAPNC Sample Name: MP10480-S1 Operator:
Run Time: 10/17/09 15:47 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.05084	54.727	2.0557	.57584	5.8044	.05086
SDev	.00005	.11829	.00606	.00117	.00259	.00017
%RSD	.10291	.21615	.29498	.20469	.04463	.35208

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H1233.5	.04723	.73607	.26491	.26178	293.65
SDev	3.3877	.00013	.00278	.0001	.00069	.97115
%RSD	.27464	.29143	.37891	.04082	.2641	.33071

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	8.4755	12.745	4.7240	.45266	22.59	1.7280
SDev	.01176	.03387	.01365	.00341	.0706	.00314
%RSD	.13884	.2658	.28906	.75495	.3127	.18205

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.7877	2.0119	1.9375	1.9975	.53307	.55876
SDev	.00394	.01347	.01016	.01245	.01323	.01637
%RSD	.2204	.66966	.52471	.62361	2.4826	2.9305

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.48157	1.9942	1.9997	.0115	2.008	.00368
SDev	.00694	.00855	.0157	.0027	.0014	.00015
%RSD	1.4431	.42879	.78525	23.02	.0684	4.1494

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.8448	.51756	H21.697
SDev	.07166	.00178	.05929
%RSD	3.8848	.34435	.27327

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Method: ICAPNC Sample Name: MP10480-S2 Operator:
Run Time: 10/17/09 15:53 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.05314	55.898	2.1010	.58741	5.7781	.05187
SDev	.00062	.12594	.00572	.00551	.01804	.00014
%RSD	1.1825	.22532	.27265	.93828	.31221	.28842

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H1240.2	.04831	.74864	.26925	.26705	296.60
SDev	5.5198	.00028	.00216	.0017	.00025	1.0077
%RSD	.44507	.5858	.28854	.63376	.0944	.33974

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	8.6506	12.917	4.7656	.46252	21.62	1.7496
SDev	.02643	.05974	.01661	.00212	.0827	.00757
%RSD	.3056	.46257	.34859	.46037	.3826	.43299

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.8213	2.0464	1.9718	2.0434	.54934	.57632
SDev	.00647	.00672	.00468	.00963	.01171	.01609
%RSD	.35554	.32885	.23767	.4713	2.132	2.7931

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.49526	2.0457	2.0427	.0112	2.038	.00358
SDev	.00349	.00405	.01288	.0046	.0064	.00016
%RSD	.70646	.19835	.63094	40.7	.3125	4.7073

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.8919	.52925	H21.711
SDev	.06231	.00152	.14857
%RSD	3.2936	.28859	.68431

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/17/09 16:01 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.25615	40.393	2.0468	2.0664	2.0507	2.0783
SDev	.00063	.11706	.01018	.00691	.0036	.01415
%RSD	.24754	.2898	.49785	.33468	.17595	.68103

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	40.979	2.0445	2.0319	2.0362	2.0057	40.700
SDev	.39571	.01425	.01355	.01227	.00229	.28453
%RSD	.96565	.69725	.66689	.60305	.11459	.69909

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	41.142	40.924	2.0364	2.0343	40.07	2.0483
SDev	.15712	.26671	.0104	.0318	.1865	.01229
%RSD	.38189	.65173	.5109	1.5635	.4655	.60026

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	2.0199	2.0399	2.0335	2.0416	2.0373	2.0305
SDev	.01115	.01979	.01694	.01229	.11079	.14157
%RSD	.55227	.97027	.83349	.6021	5.4382	6.9724

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0504	2.0658	2.0292	2.007	1.885	2.0419
SDev	.04919	.00387	.01697	.0167	.0018	.00751
%RSD	2.3991	.18774	.83671	.8309	.0955	.36808

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	2.0014	2.0363	2.0553
SDev	.02767	.00943	.01278
%RSD	1.3826	.46317	.62219

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/17/09 16:11 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00025	-.01386	.00152	.00253	.00004	.00012
SDev	.00011	.00133	.00083	.00012	.00003	0
%RSD	44.013	9.5953	54.662	4.8433	76.21	5.5337

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.00793	-.00004	-.00005	-.00068	-.00088	.00530
SDev	.00104	.00013	.00018	.00031	.00009	.0031
%RSD	13.178	331.53	343.94	45.713	10.454	58.58

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.03573	.00058	-.00007	.00142	-.0472	-.00046
SDev	.01234	.00122	.00001	.00066	.0618	.00035
%RSD	34.558	210.16	24.115	46.756	130.9	76.248

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00077	-.00141	-.00093	.00054	.00385	.00302
SDev	.00118	.00084	.0008	.00121	.00108	.00146
%RSD	153.34	59.855	86.208	222.57	28.099	48.485

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00497	.00132	-.00012	-.0005	.0000	.00053
SDev	.00053	.00098	.00191	.001	0	.0001
%RSD	10.665	74.54	1529.4	208.5	14.1	19.509

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00043	.00025	.00040
SDev	.00073	.00017	.00012
%RSD	168.33	69.572	30.698

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Method: ICAPNC Sample Name: T39317-4 Operator:
Run Time: 10/17/09 16:18 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00000	.01052	.00161	.11073	.03155	-.00003
SDev	.00021	.00151	.00092	.00028	.00007	0
%RSD	2217.5	14.437	57.251	.25359	.23225	10.524

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	68.747	-.00003	.00000	.00131	.00034	.00986
SDev	.20341	.00005	.00025	.00018	.00009	.00629
%RSD	.29589	159.5	2993.1	14.017	27.086	63.876

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.90651	36.033	.00532	.00193	H228.8	.00032
SDev	.00388	.0513	.00004	.00023	.4807	.0006
%RSD	.42857	.14239	.77437	12.256	.2101	185.22

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00209	-.00065	.00052	.00278	.00361	.00352
SDev	.00105	.00021	.00028	.00028	.00062	.00097
%RSD	50.372	33.127	55.009	10.29	17.371	27.571

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00325	-.00023	.00401	.0012	.5299	.00078
SDev	.00048	.00288	.00121	.0011	.0003	.00027
%RSD	14.976	1247	30.2	91.19	.0507	35.725

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00102	.00369	.00279
SDev	.00042	.00032	.00003
%RSD	41.442	8.8619	1.4034

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Method: ICAPNC Sample Name: T39317-5 Operator:
Run Time: 10/17/09 16:24 Filename: R101709
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00053	-.03227	L-.35818	.04400	.02938	-.00121
SDev	.00201	.01395	.03617	.0083	.00045	.00015
%RSD	375.79	43.25	10.099	18.882	1.5443	12.382

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	208.27	.00031	.00413	H408.80	-.00448	.47897
SDev	1.5066	.00038	.00425	8.8808	.00232	.07708
%RSD	.7234	120.01	102.77	2.1724	51.795	16.094

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.87052	101.50	L-.04468	L-.03191	H431.1	.00889
SDev	.06368	.58995	.00744	.00369	3.249	.00156
%RSD	7.3162	.5812	16.662	11.582	.7538	17.646

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.02078	-.02129	L-.00614	-.00427	.01755	-.07053
SDev	.01931	.01023	.00106	.00499	.08652	.14482
%RSD	92.937	48.074	17.328	116.85	492.81	205.31

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.19133	.06772	-.04147	L-.0263	1.417	L-.01006
SDev	.03058	.02349	.01174	.0061	.0029	.00083
%RSD	15.986	34.697	28.319	23.14	.2068	8.3272

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.01675	.02264	L-.24789
SDev	.00377	.00373	.00519
%RSD	22.511	16.485	2.0946

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Method: ICAPNC Sample Name: T39317-6 Operator:
Run Time: 10/17/09 16:31 Filename: R101709
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00095	-.02218	L-.37715	.04365	.03099	-.00129
SDev	.00131	.00756	.0324	.01333	.00004	.00014
%RSD	137.41	34.122	8.591	30.551	.13749	10.974

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	219.32	-.00002	.00615	H428.65	-.00273	.55158
SDev	.37648	.00021	.00038	5.7537	.00098	.02508
%RSD	.17166	939.28	6.3211	1.3423	36.064	4.5471

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.80646	107.07	L-.04730	L-.03351	H455.4	.01110
SDev	.03605	.15112	.00764	.00198	1.962	.00021
%RSD	4.4712	.14113	16.156	5.9102	.4309	1.8964

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00143	-.01270	L-.00800	.00108	.03932	-.02547
SDev	.01439	.00313	.00613	.00323	.07534	.12913
%RSD	1005.5	24.707	76.594	298.57	191.6	506.94

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.16647	.05624	-.02768	L-.0275	1.495	-.00980
SDev	.03478	.00579	.0059	.0112	.0014	.00187
%RSD	20.898	10.303	21.319	40.59	.092	19.086

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.01652	.02544	L-.25907
SDev	.00483	.00099	.00384
%RSD	29.23	3.9139	1.483

Zoom In Zoom Out

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Method: ICAPNC Sample Name: T39317-7 Operator:
Run Time: 10/17/09 16:37 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00007	.03739	.00186	.15640	.04155	-.00003
SDev	.00017	.00268	.00019	.00161	.00004	.00002
%RSD	223.35	7.1678	10.631	1.0301	.10932	77.469

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	40.337	-.00007	.00035	.11281	.00016	.09370
SDev	.17927	.00007	.00007	.09657	.00013	.00638
%RSD	.44445	93.969	20.055	85.601	83.696	6.819

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.28706	28.840	.04523	.00235	H319.7	.00701
SDev	.00696	.08836	.00017	.00046	.3917	.00066
%RSD	2.4271	.30638	.3841	19.781	.1225	9.4493

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00223	.00028	.00120	-.00054	.00279	.00329
SDev	.00011	.00068	.00049	.00119	.00037	.00104
%RSD	5.0014	236.99	41.358	218.78	13.319	31.749

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00126	-.00465	.00123	-.0005	.3649	.00073
SDev	.00199	.00098	.00144	.0007	.0004	.00009
%RSD	157.89	21.089	117.02	141.5	.1227	13.488

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00381	.00215	.01350
SDev	.00064	.0003	.00025
%RSD	16.997	14.173	1.8677

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Method: ICAPNC Sample Name: T39317-8 Operator:
Run Time: 10/17/09 16:44 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00055	.01158	.00142	.01118	.11121	.00005
SDev	.00017	.00343	.0023	.00049	.00005	.00001
%RSD	32.318	29.63	162.33	4.4	.05247	32.169

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	3.6463	-.00015	-.00001	.01314	.00014	.00859
SDev	.00758	.00011	.00005	.00319	.00019	.00003
%RSD	.20811	70.842	325.11	24.333	130.34	.38107

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	1.9162	1.7555	.00598	.00010	2.813	-.00049
SDev	.00106	.00571	.00001	.0005	.0567	.00008
%RSD	.05579	.32539	.17923	476.45	2.016	17.23

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00255	-.00128	.00025	-.00087	-.00020	-.00058
SDev	.00253	.00068	.001	.00095	.00109	.00167
%RSD	99.343	53.235	387.95	109.17	538.02	285.49

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00003	-.00389	.00033	-.0004	.0366	.00032
SDev	.00077	.00241	.0007	.0009	0	0
%RSD	2559.3	62.164	213.51	230.6	.1341	.82051

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00569	.00024	.00770
SDev	.00109	.00023	.00004
%RSD	19.224	98.262	.53278

Zoom In Zoom Out

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Method: ICAPNC Sample Name: T39317-9 Operator:
Run Time: 10/17/09 16:50 Filename: R101709
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00135	.00938	L-.05140	.05404	.02019	-.00036
SDev	.00238	.00988	.00057	.00207	.00008	.00013
%RSD	175.61	105.28	1.1204	3.8421	.4281	35.372

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	74.559	-.00048	.00115	H85.857	-.00166	.08974
SDev	.19479	.00114	.00098	1.2036	.00058	.03007
%RSD	.26125	238.02	85.424	1.4019	35.008	33.511

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.38465	47.804	-.00532	-.00562	H497.5	.00116
SDev	.03795	.11535	.00111	.00077	1.756	.00114
%RSD	9.8667	.2413	20.973	13.852	.353	98.877

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00430	-.00577	-.00107	-.00240	L-.01694	-.02816
SDev	.01565	.00616	.00419	.0116	.00616	.01236
%RSD	363.32	106.72	392.09	482.74	36.401	43.899

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00284	.00489	-.00751	-.0102	.6599	-.00094
SDev	.00917	.01428	.01129	.002	.0012	.00015
%RSD	321.98	291.69	150.28	19.26	.1796	16.316

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00094	.00867	L-.04183
SDev	.00359	.00085	.00038
%RSD	380.71	9.8121	.91944

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Method: ICAPNC Sample Name: T39317-10 Operator:
Run Time: 10/17/09 16:57 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00018	.03520	.00109	.13461	.01900	.00000
SDev	.00029	.00385	.00053	.00038	.00004	.00003
%RSD	163.4	10.955	49.189	.28871	.21789	3682

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	71.863	-.00006	.00013	.01989	.00038	.01910
SDev	.12259	.00009	.00006	.01455	.00013	.00105
%RSD	.17059	149.79	48.572	73.135	35.465	5.5395

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.41743	51.038	.00746	.00088	H382.1	.00480
SDev	.01097	.06656	.00002	.00064	1.157	.00022
%RSD	2.6291	.13042	.37896	72.313	.3027	4.7209

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00237	.00035	.00130	.00057	.00200	.00277
SDev	.00182	.00139	.00034	.00145	.00022	.00014
%RSD	76.769	397.28	26.268	254.72	11.098	5.2624

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00004	-.00254	.00188	-.0011	.6347	.00073
SDev	.00063	.00229	.0032	.0002	.0006	.00018
%RSD	1300.4	90.326	170.24	19.34	.0949	25.66

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00448	.00394	.00266
SDev	.00123	.0002	.00009
%RSD	27.584	5.1908	3.5307

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Method: ICAPNC Sample Name: T39596-1 Operator:
Run Time: 10/17/09 17:03 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00020	4.1751	.00217	.03225	.14371	.00020
SDev	.00019	.01834	.00143	.00068	.00021	0
%RSD	94.868	.43933	65.894	2.1324	.14932	2.903

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	24.811	-.00001	.00034	.01427	.02325	3.2191
SDev	.05444	.00016	.00085	.00078	.00033	.0111
%RSD	.21942	1443	244	5.4976	1.4339	.34504

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	3.6618	1.9450	.05893	.00544	5.841	.00514
SDev	.01491	.00505	.00001	.00028	.076	.00054
%RSD	.40741	.25984	.02644	5.2428	1.301	10.527

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.01173	.00950	.01051	.00057	.00328	.00291
SDev	.00247	.00199	.00117	.00064	.00037	.00125
%RSD	21.122	20.965	11.198	112.93	11.457	42.919

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00350	-.00226	.00172	.0016	.1701	.04049
SDev	.00154	.0039	.00098	.0017	.0003	.00018
%RSD	43.989	171.97	57.159	111	.1481	.4596

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00512	.00961	.15518
SDev	.00003	.00052	.0004
%RSD	.65969	5.4818	.25875

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Method: ICAPNC Sample Name: T39596-2 Operator:
Run Time: 10/17/09 17:10 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00006	4.0488	.00263	.03176	.14183	.00021
SDev	.0001	.00315	.00069	.00067	.00029	.00001
%RSD	169.6	.07789	26.292	2.132	.20554	7.9742

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	24.608	.00014	.00078	.01247	.02249	3.1648
SDev	.10537	.00004	.00007	.00035	.00023	.00846
%RSD	.42821	29.504	9.037	2.8319	1.0576	.26754

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	3.6310	1.9175	.05498	.00581	5.854	.00604
SDev	.00569	.00966	.0002	.00022	.0298	.00057
%RSD	.15693	.50403	.36761	3.8434	.5089	9.546

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.01029	.00982	.01021	-.00023	.00357	.00414
SDev	.00131	.00062	.00012	.00209	.0012	.00182
%RSD	12.811	6.3813	1.245	907.4	33.677	44.146

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00190	-.00588	.00232	.0006	.1680	.04129
SDev	.00146	.00204	.00239	.0004	.0003	.0001
%RSD	77.065	34.811	103.2	56.48	.1746	.24348

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00527	.00962	.15872
SDev	.00237	.00026	.00021
%RSD	45.053	2.7272	.13591

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/17/09 17:18 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.25570	40.601	2.0496	2.0727	2.0693	2.0666
SDev	.00052	.04643	.00473	.00079	.00132	.00293
%RSD	.20723	.11436	.23124	.03852	.06387	.14224

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	40.774	2.0328	2.0235	2.0194	2.0177	40.460
SDev	.10323	.003	.00291	.00422	.00221	.05165
%RSD	.25318	.14806	.14389	.209	.10965	.12767

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	41.456	40.748	2.0271	2.0297	40.28	2.0435
SDev	.02632	.06615	.00243	.01638	.0897	.00377
%RSD	.0635	.16235	.12027	.80729	.2226	.18481

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	2.0141	2.0317	2.0261	2.0533	2.0351	2.0229
SDev	.00186	.00359	.00197	.00179	.10301	.13314
%RSD	.09245	.17686	.09762	.08746	5.062	6.5819

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0591	2.0880	2.0358	1.985	1.896	2.0478
SDev	.0427	.00094	.00293	.004	.0003	.00412
%RSD	2.0742	.04532	.14429	.2022	.0158	.2012

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9991	2.0353	2.0479
SDev	.01902	.001	.00341
%RSD	.95178	.04956	.16654

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/17/09 17:29 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00033	-.00663	.00005	.00143	.00005	.00000
SDev	.00037	.00291	.00043	.00079	.00002	0
%RSD	114.24	43.881	762.9	55.276	44.816	91.138

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.00422	-.00002	.00000	.00037	-.00104	.00742
SDev	.00027	.00008	.00002	.00025	.00005	.00666
%RSD	6.4936	430.32	363.35	66.986	5.0217	89.788

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.02529	.00109	-.00007	.00038	-.0365	-.00029
SDev	.00855	.00285	.00002	.00032	.0844	.00022
%RSD	33.817	259.9	26.736	86.057	231.3	74.533

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00002	-.00058	-.00013	-.00108	.00210	.00168
SDev	.00051	.00113	.00091	.00082	.00077	.00095
%RSD	2067.7	194.17	698.49	75.942	36.907	56.627

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00241	.00092	-.00237	-.0016	.0000	.00029
SDev	.00043	.00037	.00102	.001	0	0
%RSD	18.063	40.275	43.322	65.67	44.92	.64106

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00042	.00009	.00007
SDev	.00165	.00015	.0002
%RSD	393.45	167.45	259.61

Zoom In Zoom Out

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Method: ICAPNC Sample Name: MP10479-MB1 Operator:
Run Time: 10/17/09 17:36 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00025	.00968	.00089	.00156	.00078	-.00004
SDev	.00014	.00336	.00175	.0006	.00002	.00002
%RSD	57.65	34.793	195.57	38.766	3.0581	52.661

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.10298	.00000	.00010	.00051	-.00070	.01711
SDev	.00555	.00004	.00005	.00003	.00037	.00455
%RSD	5.3969	497.8	55.191	6.9745	53.847	26.637

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.01951	.01687	.00492	.00011	.0145	-.00036
SDev	.00371	.00954	.00049	.00064	.0523	.00065
%RSD	19.02	56.548	10.119	557.48	359.4	176.76

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00137	-.00042	.00044	-.00154	.00063	-.00023
SDev	.00139	.00146	.00051	.00067	.00168	.00259
%RSD	101.12	346.58	115	43.404	267.87	1121.2

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00182	-.00041	-.00240	.0000	.0002	.00047
SDev	.00099	.00058	.00073	.0004	0	0
%RSD	54.347	141.17	30.667	10080	5.478	.09859

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00003	.00017	.00955
SDev	.00064	.00022	.00109
%RSD	1612.3	130.47	11.432

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Method: ICAPNC Sample Name: MP10479-LC1 Operator:
Run Time: 10/17/09 17:42 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.73879	112.65	1.7446	1.4302	3.9139	1.1980
SDev	.00091	.3313	.00633	.00432	.0119	.0034
%RSD	.1242	.29409	.36286	.30239	.30412	.28415

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	105.02	2.0018	3.0205	.96215	1.4446	208.92
SDev	.49342	.00539	.00826	.00187	.00468	.6756
%RSD	.46985	.26944	.27375	.1953	.32454	.32337

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	41.807	54.913	6.9618	.92383	7.864	1.0918
SDev	.19669	.1729	.01897	.00955	.0591	.00289
%RSD	.47048	.31487	.27251	1.0345	.7511	.2653

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.7418	1.8940	1.8436	1.5645	1.0274	1.0365
SDev	.00436	.01801	.01349	.00401	.0241	.03142
%RSD	.2504	.95124	.73179	.25662	2.3465	3.0316

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	1.0089	1.5768	1.5584	1.353	1.773	6.0975
SDev	.00983	.00609	.00904	.004	.0033	.00928
%RSD	.97471	.38652	.5802	.2972	.185	.15219

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	2.8343	2.1704	4.1364
SDev	.08811	.00406	.00959
%RSD	3.1089	.18748	.23202

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Method: ICAPNC Sample Name: T39519-15 Operator:
Run Time: 10/17/09 17:49 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00036	91.153	.03869	.01456	1.5208	.00731
SDev	.00051	.37428	.00056	.0005	.0033	.00003
%RSD	143.32	.41061	1.4657	3.4728	.21724	.4898

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	43.729	.00266	.05501	.10402	.08685	83.818
SDev	.09725	.00018	.00019	.00031	.00035	.06714
%RSD	.2224	6.7783	.35868	.30405	.41116	.08011

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	5.5007	9.9243	4.1712	.01385	.7055	.07225
SDev	.0227	.00692	.00261	.00096	.029	.00015
%RSD	.41274	.06979	.06276	6.9289	4.114	.21632

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.18595	.27144	.24322	.00453	.00966	.01568
SDev	.00184	.0033	.00163	.00142	.00238	.00151
%RSD	.99482	1.2193	.6705	31.497	24.676	9.6387

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00274	-.00743	.01034	.0174	.2873	.84064
SDev	.00412	.00409	.00133	.0028	.0005	.00227
%RSD	150.6	55.063	12.887	16.12	.1737	.27005

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00297	.24541	.34259
SDev	.01529	.00023	.00032
%RSD	514.54	.09545	.09569

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Method: ICAPNC Sample Name: MP10479-D1 Operator:
Run Time: 10/17/09 17:55 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00092	100.39	.03888	.01387	1.6679	.00783
SDev	.00045	.27322	.00071	.00166	.00209	.00006
%RSD	48.633	.27217	1.8432	12.005	.12562	.85075

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	45.852	.00270	.05947	.10977	.09084	88.206
SDev	.22535	.00013	.00042	.00049	.00018	.29613
%RSD	.49148	4.8551	.71194	.45495	.20154	.33572

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	5.9731	10.817	4.3726	.01316	.7803	.07616
SDev	.02318	.04073	.01105	.00021	.0722	.00037
%RSD	.38819	.37657	.25279	1.6029	9.252	.49317

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.18089	.27342	.24281	.00303	.00421	.01041
SDev	.00254	.00489	.00257	.00159	.00103	.0026
%RSD	1.4081	1.7914	1.061	52.634	24.618	24.968

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00853	-.01175	.01027	.0196	.3011	.89033
SDev	.0024	.00293	.00096	.0016	.0001	.00301
%RSD	28.186	24.958	9.4159	8.381	.0427	.33893

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00658	.24927	.34063
SDev	.00424	.00118	.00095
%RSD	64.543	.47525	.27948

Zoom In Zoom Out

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Method: ICAPNC Sample Name: MP10479-SD1 Operator:
Run Time: 10/17/09 18:02 Filename: R101709
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00173	97.674	.04340	.02062	1.6341	.00793
SDev	.00244	.3149	.00332	.00431	.00203	.00004
%RSD	140.66	.3224	7.6669	20.931	.12446	.51708

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	46.225	.00270	.06054	.10957	.08723	89.042
SDev	.0525	.00032	.00066	.00115	.00029	.07145
%RSD	.11357	11.919	1.0937	1.0508	.33351	.08025

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	5.7177	10.818	4.5443	.01327	.5106	.07625
SDev	.03648	.00185	.00657	.00233	.2872	.00203
%RSD	.63817	.01715	.14463	17.616	56.25	2.6664

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.20661	.29867	.26935	L-.00729	.00958	.01721
SDev	.01028	.01124	.00647	.00393	.00105	.00211
%RSD	4.9761	3.7637	2.4023	53.87	10.952	12.283

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00814	-.02928	.00237	.0212	.3059	.90191
SDev	.0012	.01032	.00293	.0017	.0005	.00626
%RSD	14.799	35.254	123.33	8.142	.1525	.69442

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.01831	.26537	.39176
SDev	.00137	.0006	.00042
%RSD	7.4871	.22894	.10735

Zoom In Zoom Out

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Method: ICAPNC Sample Name: MP10479-S1 Operator:
Run Time: 10/17/09 18:08 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	52176	148.13	.39722	.84513	1.8771	.39959
SDev	.00065	.06431	.00127	.00194	.00281	.00132
%RSD	.12628	.04341	.3212	.23006	.14987	.33074

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	93.323	.36995	.41904	.47403	.47095	130.84
SDev	.52902	.00088	.00185	.00116	.00082	.48991
%RSD	.56686	.23944	.44217	.24623	.17549	.37444

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	50.194	57.689	4.4041	.37546	48.06	.44310
SDev	.13186	.23102	.01259	.00449	.0476	.00137
%RSD	.26271	.40047	.28593	1.1972	.0991	.30997

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.53848	.67104	.62712	.34523	.20088	.20832
SDev	.00338	.0065	.00346	.00129	.00637	.00837
%RSD	.62832	.96895	.55304	.3753	3.1741	4.0213

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.18572	.33671	.34940	.3667	.6211	1.0065
SDev	.00249	.00441	.00263	.0018	.0005	.0033
%RSD	1.3409	1.3102	.75473	.4798	.0746	.32854

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.34294	.60707	.71763
SDev	.00975	.00118	.00197
%RSD	2.8453	.19572	.27497

Zoom In Zoom Out

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Method: ICAPNC Sample Name: MP10479-S2 Operator:
Run Time: 10/17/09 18:15 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.53525	152.78	.39844	.87767	1.9188	.40704
SDev	.00132	.43725	.00427	.003	.00844	.00135
%RSD	.24782	.28619	1.0736	.34235	.43985	.33288

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	95.440	.37561	.42476	.48211	.48540	132.47
SDev	.53138	.00085	.00198	.00072	.00215	.45647
%RSD	.55677	.22875	.4675	.15036	.44322	.34458

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	51.158	58.856	3.7655	.38160	49.37	.45284
SDev	.37616	.14542	.00856	.00381	.2184	.00162
%RSD	.7353	.24709	.22742	1	.4424	.35887

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.52628	.66220	.61718	.35189	.19786	.20505
SDev	.00164	.00753	.0055	.00111	.00487	.00721
%RSD	.31283	1.1386	.8927	.31581	2.4645	3.5166

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.18320	.34210	.35668	.3718	.6409	1.0381
SDev	.00036	.00289	.00291	.001	.0022	.00198
%RSD	.20156	.84697	.81809	.2619	.3482	.19154

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.34922	.61064	.72398
SDev	.00776	.0006	.00159
%RSD	2.223	.09942	.21977

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Method: ICAPNC Sample Name: T39307-1 Operator:
Run Time: 10/17/09 18:21 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00090	10.641	.03019	.13771	.23394	.00289
SDev	.00012	.03448	.00054	.00076	.00027	.00007
%RSD	14.057	.32408	1.8048	.55228	.11829	2.4368

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	129.38	.00235	.00909	.09837	.09158	38.710
SDev	.91423	.00002	.00007	.00053	.00025	.18592
%RSD	.7066	1.1991	.85685	.54714	.27518	.48029

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	4.8293	2.9156	.46016	.02074	.4751	.02776
SDev	.01485	.01224	.00196	.00068	.0355	.00036
%RSD	.30761	.4201	.4271	3.2954	7.478	1.3051

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.05309	.08208	.07270	-.00045	.00641	.01036
SDev	.00061	.00246	.00185	.0008	.00181	.00292
%RSD	1.1571	3.0081	2.545	177.9	28.266	28.263

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00196	-.01383	.00602	.0313	.0871	.46144
SDev	.0008	.00151	.00172	.001	.0001	.00129
%RSD	40.896	10.917	28.659	3.291	.1017	.28109

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00800	.05763	1.2436
SDev	.00183	.0003	.00415
%RSD	22.9	.52238	.3339

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Method: ICAPNC Sample Name: T39307-2 Operator:
Run Time: 10/17/09 18:28 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00041	26.473	.04665	.20548	.68421	.00252
SDev	.00095	.10248	.00175	.00254	.00223	0
%RSD	228.9	.38714	3.7678	1.2375	.32602	.20635

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	427.11	.00453	.01096	.06366	.03611	36.329
SDev	2.0196	.00003	.00026	.0014	.00007	.14523
%RSD	.47283	.83511	2.3942	2.2059	.19754	.39976

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	7.3245	8.5628	.89962	.04630	.3355	.03328
SDev	.03692	.04014	.00328	.00042	.0653	.00135
%RSD	.50414	.46882	.36526	.90874	19.45	4.0606

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.03301	.06605	.05531	.00323	.00564	.00997
SDev	.00249	.00144	.00013	.0002	.00073	.0016
%RSD	7.5489	2.182	.24901	6.2722	13.05	16.128

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00350	-.00729	.00839	.0221	.2228	.56490
SDev	.00135	.00213	.0008	.0021	.0007	.00083
%RSD	38.75	29.256	9.6488	9.437	.3054	.14712

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00906	.08686	7.0160
SDev	.00442	.0001	.03647
%RSD	48.743	.11602	.5199

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Method: ICAPNC Sample Name: T39307-3 Operator:
Run Time: 10/17/09 18:34 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00033	30.569	.03959	.07227	.75784	.00328
SDev	.00033	.09232	.00169	.00223	.00082	.00007
%RSD	99.595	.30204	4.2825	3.0888	.10845	2.2083

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	397.62	.00415	.00970	.05763	.05055	55.623
SDev	2.2226	.00012	.00013	.00029	.00007	.19131
%RSD	.55898	2.997	1.4365	.51001	.14078	.34395

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	12.054	8.9524	1.1565	.04457	-.0980	.03422
SDev	.0679	.0202	.00306	.00065	.0353	.00056
%RSD	.56337	.22569	.26488	1.4745	36.02	1.6605

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.03371	.07901	.06418	.00193	.00398	.00859
SDev	.00145	.00199	.00115	.00153	.00224	.00437
%RSD	4.3196	2.5263	1.7973	79.492	56.258	50.823

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00569	-.01057	.00812	.0213	.2297	2.3514
SDev	.00205	.00371	.00132	.0027	.0002	.00583
%RSD	36.047	35.162	16.313	12.45	.0823	.24795

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00986	.08996	5.1564
SDev	.00321	.00059	.00808
%RSD	32.543	.66229	.15673

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/17/09 18:42 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.25853	40.808	2.0595	2.0923	2.0760	2.0888
SDev	.00128	.22357	.0025	.00663	.006	.006
%RSD	.4951	.54786	.12176	.31702	.28941	.28741

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	41.283	2.0593	2.0415	2.0464	2.0235	40.865
SDev	.15158	.00616	.00526	.00727	.00636	.13197
%RSD	.3672	.29923	.2581	.3556	.31449	.32295

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	41.494	41.210	2.0474	2.0359	40.60	2.0675
SDev	.19031	.17301	.00741	.0141	.246	.00616
%RSD	.45866	.41984	.36225	.69275	.6058	.29816

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	2.0369	2.0542	2.0487	2.0555	2.0304	2.0115
SDev	.00829	.00681	.00653	.00259	.10057	.13183
%RSD	.40738	.33163	.31919	.12642	4.9534	6.5542

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0678	2.0903	2.0379	1.985	1.907	2.0507
SDev	.03801	.00793	.00272	.0036	.0064	.00536
%RSD	1.8386	.37948	.13367	.1791	.3368	.26151

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	2.0120	2.0543	2.0646
SDev	.01691	.00702	.00755
%RSD	.84074	.34182	.36573

Zoom In Zoom Out

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/17/09 18:54 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00011	-.00683	.00130	.00243	.00007	.00002
SDev	.00023	.00093	.00012	.00067	.00008	0
%RSD	201.67	13.661	9.8349	27.85	112.45	11.925

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.00580	.00001	.00003	.00000	-.00115	.00948
SDev	.00098	.00006	.00016	.00018	.00023	.00679
%RSD	17.053	347.22	540.24	4742.2	20.279	71.649

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.03480	.00151	-.00006	.00088	-.0101	.00002
SDev	.00377	.00127	.00003	.0006	.0464	.00015
%RSD	10.842	84.251	52.044	68.317	458.8	578.39

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00022	-.00106	-.00050	-.00140	.00238	.00238
SDev	.00143	.00213	.00089	.00102	.00023	.00022
%RSD	634.73	200.96	178.57	72.984	9.9435	9.4045

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00183	-.00136	-.00171	-.0005	.0000	.00053
SDev	.0008	.0015	.0009	.0014	0	.0001
%RSD	44.183	110.7	52.523	281.9	29.39	18.979

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00039	.00002	.00003
SDev	.00097	.00039	.00007
%RSD	247.82	1370.3	208.59

Zoom In Zoom Out

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Method: ICAPNC Sample Name: T39307-4 Operator:
Run Time: 10/17/09 19:00 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00016	67.989	.04685	.11410	.35984	.00303
SDev	.00059	.10545	.00174	.00169	.00124	.00004
%RSD	367.16	.15511	3.7188	1.4835	.34619	1.5505

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	545.53	.00119	.04490	.09785	.12261	41.795
SDev	2.5955	.00023	.00038	.00081	.0004	.12921
%RSD	.47576	19.688	.86238	.82984	.33114	.30917

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	29.305	18.466	1.2915	.00789	.4545	.05083
SDev	.15566	.02147	.00224	.00033	.0155	.00022
%RSD	.53116	.11632	.17344	4.2955	3.414	.43976

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.35890	.40037	.38681	.00486	.00517	.00816
SDev	.00235	.00267	.00096	.00068	.00035	.00108
%RSD	.65498	.66729	.24839	14.164	6.9352	13.344

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00128	-.00713	.01082	.0242	.6387	.51749
SDev	.00245	.00022	.00106	.0018	.0018	.00066
%RSD	191.41	3.0891	9.8138	7.51	.2798	.12754

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00958	.18546	.36047
SDev	.00248	.00045	.00039
%RSD	25.968	.24571	.10904

Zoom In Zoom Out

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Method: ICAPNC Sample Name: T39394-4 Operator:
Run Time: 10/17/09 19:07 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00127	132.64	.05571	.00740	1.3734	.00821
SDev	.00043	.57851	.00052	.00205	.00206	.00006
%RSD	34.156	.43616	.94742	27.782	.15059	.78604

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	219.46	.00034	.11671	.15600	.08229	149.95
SDev	1.2844	.00037	.00075	.00007	.00033	.53611
%RSD	.58523	108.18	.64818	.05052	.40288	.35752

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	11.586	19.255	4.1237	.01971	1.236	.10161
SDev	.05207	.07593	.01179	.00039	.0604	.0009
%RSD	.44949	.39436	.2861	2.0285	4.887	.89053

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.09838	.24766	.19817	.00145	.00238	.01231
SDev	.00313	.00436	.00186	.0008	.0031	.00449
%RSD	3.1861	1.7613	.94108	55.665	129.98	36.517

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.01774	-.01837	.01132	.0181	.3478	1.0712
SDev	.00087	.00287	.00264	.0053	.0007	.00366
%RSD	4.9135	15.621	23.344	29.17	.1997	.34213

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00444	.30874	.38095
SDev	.00475	.00115	.00091
%RSD	107.17	.3746	.23952

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Method: ICAPNC Sample Name: T39394-6 Operator:
Run Time: 10/17/09 19:13 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00056	79.969	.03134	-.02605	.98564	.00465
SDev	.00084	.16889	.0006	.00095	.00135	.00005
%RSD	150.17	.21119	1.9271	3.6767	.1376	1.1133

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H1547.3	.00376	.05062	.09922	.10185	102.51
SDev	10.48	.00049	.00018	.00091	.00022	.10227
%RSD	.67732	13.208	.35608	.92606	.21913	.09977

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	16.673	96.756	4.4089	.01447	2.359	.13583
SDev	.06411	.04754	.00296	.00074	.0657	.00075
%RSD	.38454	.04913	.06733	5.1691	2.787	.55471

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.04762	.14813	.11492	.00832	.00747	.01586
SDev	.00214	.00141	.00168	.00079	.00227	.00428
%RSD	4.4971	.95666	1.466	9.5715	30.515	27.02

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00966	-.01394	.01986	.0184	H16.47	.41104
SDev	.00197	.00377	.0008	.0035	.0865	.00101
%RSD	20.404	27.047	4.0271	18.83	.525	.24756

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00706	.18175	.29030
SDev	.00557	.00025	.0008
%RSD	78.848	.14044	.27899

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Method: ICAPNC Sample Name: T39394-8 Operator:
Run Time: 10/17/09 19:20 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00212	42.512	.03908	.00550	.90903	.00329
SDev	.0005	.0659	.00089	.00238	.0004	.00009
%RSD	23.922	.15501	2.2804	43.262	.04433	2.9213

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	133.95	.00342	.04284	.15679	.14620	126.78
SDev	1.1511	.00004	.00006	.00036	.00025	.70527
%RSD	.85933	1.3774	.15027	.23498	.17619	.55631

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	5.7420	16.987	2.6038	.02983	.7823	.11510
SDev	.01509	.08266	.01208	.00052	.0138	.00062
%RSD	.26296	.48662	.46415	1.7472	1.764	.54025

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.15382	.25592	.22214	-.00090	.00369	.01274
SDev	.00102	.00303	.00223	.00073	.00121	.00117
%RSD	.66532	1.1866	1.0062	81.472	32.962	9.1983

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.01473	-.01751	.00729	.0304	.4691	.49775
SDev	.00189	.00241	.00037	.0012	.0008	.00163
%RSD	12.887	13.802	5.1081	4.106	.1602	.32834

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00559	.10596	3.0219
SDev	.00234	.00042	.01265
%RSD	42.002	.40561	.41873

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Method: ICAPNC Sample Name: T39394-11 Operator:
Run Time: 10/17/09 19:26 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00025	141.78	.03846	-.00049	1.0892	.01007
SDev	.00027	.11247	.00067	.00097	.00231	.00006
%RSD	111.08	.07932	1.7424	197.85	.2125	.65283

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	33.865	.00086	.05355	.14048	.14782	107.67
SDev	.03865	.00035	.00031	.00047	.00014	.13359
%RSD	.11414	40.746	.59098	.33761	.09735	.12407

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	6.9745	14.947	2.4595	.01524	5.425	.09698
SDev	.01483	.01352	.00317	.00036	.0307	.00093
%RSD	.21271	.09051	.12915	2.3781	.5657	.96012

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.10779	.22968	.18933	.00270	.00177	.00868
SDev	.00283	.00225	.00061	.00072	.0017	.00356
%RSD	2.6283	.98255	.32451	26.75	96.21	41.023

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.01235	-.01123	.00952	.0193	.2856	.81688
SDev	.0033	.00243	.00223	.003	.0006	.00207
%RSD	26.756	21.666	23.462	15.74	.1943	.25345

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00620	.28800	.31155
SDev	.00458	.00046	.00037
%RSD	73.932	.1616	.12089

Zoom In Zoom Out

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Method: ICAPNC Sample Name: T39519-3 Operator:
Run Time: 10/17/09 19:33 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00012	122.51	.04306	.07184	.89748	.01006
SDev	.00048	.06711	.00033	.00093	.00095	.00007
%RSD	395.1	.05478	.77142	1.298	.10691	.77606

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	41.954	.00061	.05258	.12221	.09227	108.84
SDev	.21523	.00018	.00023	.00024	.00042	.38383
%RSD	.51301	29.777	.45234	.20452	.46401	.35264

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	7.0225	13.895	1.8486	.01504	1.276	.07516
SDev	.03458	.03258	.00461	.0004	.0227	.00016
%RSD	.49247	.2345	.24981	2.6842	1.777	.21338

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.07854	.19424	.15594	.00145	.00221	.00867
SDev	.00227	.00282	.00114	.00071	.00175	.00245
%RSD	2.9014	1.4533	.73427	49.218	79.137	28.32

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.01100	-.01144	.00776	.0188	.2935	.79086
SDev	.0013	.00281	.00246	.0027	.0003	.0021
%RSD	11.864	24.606	31.76	14.31	.0932	.26622

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00551	.26044	.27208
SDev	.00428	.00103	.00064
%RSD	77.697	.39769	.23594

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Method: ICAPNC Sample Name: T39519-9 Operator:
Run Time: 10/17/09 19:39 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00097	115.85	.06069	.01465	1.1483	.00783
SDev	.00048	.24111	.0012	.00131	.00204	.00002
%RSD	50.29	.20813	1.9788	8.9965	.1779	.3432

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	48.203	.00346	.04581	.14657	.08816	134.66
SDev	.05998	.00019	.00027	.00087	.00011	.17408
%RSD	.12444	5.5409	.60594	.598	.12882	.12927

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	10.974	11.597	2.7145	.01840	.0709	.08085
SDev	.03758	.0154	.00272	.00042	.0799	.00032
%RSD	.34244	.13285	.10021	2.2948	112.8	.40541

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.27996	.41350	.36928	.00030	.00127	.01004
SDev	.00424	.00428	.00145	.00043	.00067	.00196
%RSD	1.5155	1.0355	.39374	139.91	53.484	19.588

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.01655	-.01646	.00857	.0211	.2147	1.2482
SDev	.0019	.00122	.00122	.0031	.0004	.00075
%RSD	11.515	7.434	14.338	14.89	.1646	.06031

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00530	.29979	.79406
SDev	.00298	.0004	.00028
%RSD	56.268	.1365	.03591

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Method: ICAPNC Sample Name: T39519-13 Operator:
Run Time: 10/17/09 19:46 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00244	211.37	.06788	-.00410	2.5586	.01315
SDev	.00071	.40422	.00124	.00278	.004	.00002
%RSD	29.148	.19124	1.8307	67.965	.15664	.18571

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	53.780	-.00197	.08911	.22075	.12268	244.26
SDev	.11859	.00046	.00004	.00057	.00012	.4462
%RSD	.22051	23.747	.05457	.25968	.09889	.18267

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	15.788	23.566	3.3663	.03000	.2941	.20048
SDev	.02773	.03487	.00253	.00035	.1041	.0003
%RSD	.17567	.14798	.07545	1.1823	35.38	.15047

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.01885	.26498	.18322	-.00068	.00154	.01660
SDev	.00138	.00423	.00238	.00097	.00242	.00392
%RSD	7.3425	1.5994	1.3002	143.02	156.91	23.666

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02865	-.02486	.01141	.0191	.3025	1.0676
SDev	.00135	.00355	.00304	.0046	.0004	.00216
%RSD	4.7356	14.308	26.714	23.99	.1262	.20242

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00163	.32467	.45108
SDev	.00538	.00018	.00051
%RSD	328.78	.05776	.11444

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Method: ICAPNC Sample Name: T39519-20 Operator:
Run Time: 10/17/09 19:52 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00064	136.73	.04099	.06298	.82113	.01127
SDev	.00055	.17468	.00198	.00107	.00098	.00012
%RSD	85.231	.12776	4.8324	1.6997	.1198	1.1522

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	51.701	-.00090	.03076	.12288	.09066	120.40
SDev	.4996	.00036	.00056	.00036	.00048	.84437
%RSD	.96634	39.76	1.831	.29519	.53135	.70131

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	6.1968	16.151	.76678	.01511	2.109	.07393
SDev	.03448	.11986	.00355	.00126	.0303	.00032
%RSD	.55653	.74213	.46425	8.3592	1.439	.44298

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.03256	.15943	.11737	.00252	-.00006	.00663
SDev	.00665	.00715	.00277	.00099	.00328	.00717
%RSD	20.44	4.4865	2.3673	39.582	4872.7	108.2

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.01376	-.00879	.00805	.0182	.3460	.48428
SDev	.00452	.00677	.00211	.0032	.0002	.00205
%RSD	32.874	76.982	26.295	17.39	.0488	.42496

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00492	.23840	.15970
SDev	.00456	.00176	.0011
%RSD	92.803	.74011	.69319

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Method: ICAPNC Sample Name: T39898-1 Operator:
Run Time: 10/17/09 19:59 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00374	144.72	.09716	.02951	H32.615	.01232
SDev	.00026	.30808	.00119	.0032	.08254	.00005
%RSD	7.0713	.21288	1.235	10.843	.25307	.44089

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	315.38	.00375	.11224	.20644	.22432	284.06
SDev	1.2988	.00024	.00068	.00025	.00055	.86814
%RSD	.41182	6.6419	.61371	.12332	.2491	.30562

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	28.480	82.579	4.4003	.05825	45.73	.29433
SDev	.09361	.20994	.01513	.00052	.0907	.00079
%RSD	.32871	.25423	.3439	.89987	.1983	.2717

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.01789	.27899	.19228	.00110	.00701	.02630
SDev	.00276	.00349	.00143	.00149	.00193	.00341
%RSD	15.463	1.2516	.74861	134.64	27.635	12.991

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.03154	-.02500	.01430	.0139	1.622	1.5739
SDev	.00111	.00264	.0034	.0039	.0023	.007
%RSD	3.5365	10.584	23.821	27.78	.1409	.44483

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00127	.43970	.94804
SDev	.00657	.00135	.0016
%RSD	513.36	.3077	.16916

Zoom In Zoom Out

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/17/09 20:07 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.25958	40.932	2.0727	2.1072	2.0768	2.1034
SDev	.00012	.20765	.00095	.00732	.00315	.00342
%RSD	.05001	.50731	.04624	.34778	.15205	.16262

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	41.709	2.0832	2.0580	2.0643	2.0247	41.177
SDev	.04929	.00143	.00167	.00137	.00598	.0231
%RSD	.11818	.06897	.08132	.06649	.29566	.05611

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	41.409	41.480	2.0621	2.0442	40.68	2.0925
SDev	.20941	.01705	.00043	.02206	.3179	.00194
%RSD	.50572	.04111	.02103	1.0795	.7814	.09313

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	2.0593	2.0743	2.0695	2.0618	2.0299	2.0036
SDev	.00381	.00149	.00146	.00115	.10384	.13386
%RSD	.18545	.07202	.07059	.05616	5.116	6.6814

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0821	2.1030	2.0410	1.985	1.909	2.0609
SDev	.0438	.0062	.00432	.0096	.0027	.00324
%RSD	2.1037	.29508	.21168	.4844	.1439	.15762

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	2.0213	2.0673	2.0830
SDev	.01942	.00105	.00057
%RSD	.96106	.05091	.02756

Zoom In Zoom Out

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/17/09 20:19 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00040	.00396	.00114	.00232	.00006	-.00006
SDev	.00023	.00066	.00158	.00057	.00003	0
%RSD	57.326	16.667	138.46	24.728	60.232	10.655

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.00144	.00001	-.00009	-.00036	-.00128	.00229
SDev	.00027	.00011	.0004	.00023	.00027	.00295
%RSD	19.115	881.79	418.6	64.885	21.225	128.98

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.00476	.00072	-.00007	.00064	-.0829	-.00038
SDev	.0035	.00095	.00003	.00019	.0474	.00033
%RSD	73.593	131.7	48.451	30.834	57.15	88.679

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00086	-.00171	-.00116	-.00037	.00225	.00209
SDev	.00089	.00113	.00093	.00124	.0019	.00241
%RSD	103.54	66.185	80.204	329.21	84.526	115.43

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00204	.00022	-.00096	-.0006	.0000	.00065
SDev	.00109	.00157	.00108	.0011	0	0
%RSD	53.285	703.96	111.94	190.8	56.03	.05108

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00004	.00009	-.00001
SDev	.00209	.00031	.00007
%RSD	4806.5	344.04	614.58

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Method: ICAPNC Sample Name: MP10468-MB1 Operator:
Run Time: 10/17/09 20:25 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00005	-.00271	.00047	.00181	.00007	-.00001
SDev	.00033	.00205	.00088	.00054	.00004	0
%RSD	619.51	75.584	185.87	29.97	58.04	26.844

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.00495	.00006	.00008	-.00040	-.00109	.00747
SDev	.00094	.00014	.00012	.00027	.00029	.00827
%RSD	19.177	231.06	153.43	67.481	27.313	110.62

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.03044	.00201	.00000	.00011	-.0732	-.00016
SDev	.01287	.00197	.00002	.00018	.0622	.00059
%RSD	42.294	97.938	337.54	158.04	85.08	355.29

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00006	-.00009	.00015	.00000	-.00008	-.00007
SDev	.00063	.00095	.00078	.0016	.00083	.00183
%RSD	931.4	989.27	523.94	58392	950.12	2301.2

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00064	-.00198	.00071	-.0006	.0000	.00035
SDev	.00123	.00119	.00233	.0009	0	.00026
%RSD	192.51	60.376	326.24	156.5	16.04	74.633

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00127	.00041	.00000
SDev	.00074	.00013	.0001
%RSD	58.277	33.282	1820.9

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Method: ICAPNC Sample Name: MP10468-LC1 Operator:
Run Time: 10/17/09 20:31 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.63460	123.90	1.3846	1.2012	3.0870	.89573
SDev	.00119	.46015	.00186	.00566	.00735	.00135
%RSD	.18874	.37139	.13485	.47168	.23831	.15128

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	83.447	1.6181	2.2897	.78025	1.1017	190.49
SDev	.15106	.00251	.00212	.00121	.00458	.12842
%RSD	.18103	.15517	.09292	.15526	.4165	.06741

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	38.483	45.627	5.7354	.73569	6.072	.84367
SDev	.23095	.03608	.00582	.00431	.0581	.00085
%RSD	.60013	.07909	.10161	.58646	.9575	.10169

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.3596	1.5186	1.4658	1.2813	.88506	.88897
SDev	.00586	.00358	.00051	.0016	.02667	.03461
%RSD	.4316	.23575	.035	.12497	3.0136	3.8942

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.87709	1.2926	1.2756	1.023	1.364	6.1665
SDev	.01093	.00588	.00521	.0017	.0032	.00175
%RSD	1.2471	.45538	.40915	.1674	.2311	.02849

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	2.3748	1.7544	3.3635
SDev	.08612	.00148	.00468
%RSD	3.6268	.08474	.13919

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Method: ICAPNC Sample Name: T39522-8 Operator:
Run Time: 10/17/09 20:38 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00021	276.39	.05077	.06073	2.3315	.01430
SDev	.00053	.82603	.00321	.00174	.00551	.00008
%RSD	251.14	.29886	6.3305	2.869	.23647	.59863

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	35.550	-.00172	.08513	.25062	.08261	173.18
SDev	.24841	.00045	.00129	.00116	.00037	.77665
%RSD	.69878	26.381	1.5165	.46515	.45572	.44846

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	18.775	27.582	1.9241	.02277	2.741	.13684
SDev	.08541	.13432	.00587	.00108	.0569	.00061
%RSD	.45494	.48702	.30529	4.7471	2.075	.45014

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.05549	.26436	.19501	.00224	.00559	.01451
SDev	.00822	.00717	.00208	.00114	.00175	.00587
%RSD	14.83	2.714	1.0707	50.928	31.431	40.437

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.01245	-.01440	.01050	.0219	.2671	1.2556
SDev	.00845	.00908	.00368	.0051	.0003	.00173
%RSD	67.882	63.053	35.093	23.31	.0964	.1378

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00601	.47140	.38497
SDev	.01704	.00234	.00152
%RSD	283.21	.497	.39559

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Method: ICAPNC Sample Name: MP10468-D1 Operator:
Run Time: 10/17/09 20:44 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00000	224.06	.03960	.04947	1.6287	.01153
SDev	.0002	.43646	.00184	.00156	.00361	.00001
%RSD	9753.5	.1948	4.6702	3.1533	.22169	.12238

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	30.651	-.00146	.06617	.20401	.06744	141.59
SDev	.04782	.00037	.00022	.00069	.00031	.22557
%RSD	.15602	25.815	.33881	.3387	.46233	.15932

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	14.958	22.270	1.5598	.01836	2.181	.09792
SDev	.04608	.03998	.00215	.00076	.0318	.0007
%RSD	.30809	.17955	.13838	4.1688	1.456	.71983

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.03594	.21329	.15444	-.00058	.00273	.01182
SDev	.00155	.00041	.00036	.00106	.00036	.00118
%RSD	4.314	.19529	.2335	181.38	13.227	10.004

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.01567	-.01454	.00628	.0184	.2137	1.0399
SDev	.00155	.00262	.00049	.0033	.0004	.00174
%RSD	9.8896	18.08	7.8527	17.73	.1891	.16789

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00004	.38926	.23539
SDev	.00628	.00089	.00011
%RSD	14818	.23085	.04875

Zoom In
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Method: ICAPNC Sample Name: MP10468-SD1 Operator:
Run Time: 10/17/09 20:51 Filename: R101709
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00014	313.87	.06727	.07836	2.6101	.01603
SDev	.0016	1.8821	.00754	.00287	.00323	.00027
%RSD	1091.5	.59966	11.215	3.6628	.12387	1.7125

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	39.236	-.00191	.09680	.28336	.08513	190.81
SDev	.25319	.0003	.00218	.00204	.00104	1.036
%RSD	.64531	15.662	2.257	.72148	1.2272	.54294

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	19.876	31.033	2.1674	.02239	2.823	.15464
SDev	.08955	.15698	.01005	.00271	.2333	.00124
%RSD	.45054	.50585	.46406	12.142	8.264	.80621

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.06420	.30455	.22563	.00116	.01013	.02212
SDev	.00578	.00378	.00239	.00483	.00295	.00409
%RSD	9.0042	1.2435	1.0623	415.25	29.128	18.502

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.01609	-.02309	.01219	.0245	.2963	1.4227
SDev	.00208	.0059	.00594	.0012	.0007	.00482
%RSD	12.944	25.555	48.718	4.96	.2238	.33903

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00386	.52857	.41505
SDev	.016	.00261	.00216
%RSD	413.76	.49556	.52266

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Method: ICAPNC Sample Name: MP10468-S1 Operator:
Run Time: 10/17/09 20:57 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.34655	322.03	.41494	.98166	2.6892	.39043
SDev	.00033	.82243	.00153	.00045	.00031	.00082
%RSD	.09716	.25539	.3704	.04646	.01182	.21209

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	82.126	.35527	.43789	.60512	.46189	217.07
SDev	.1472	.00015	.00066	.00064	.00074	.34255
%RSD	.17924	.04255	.15094	.10675	.16169	.1578

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	63.574	73.667	2.2661	.38993	50.17	.48985
SDev	.22097	.08407	.00208	.00388	.2605	.0003
%RSD	.34758	.11413	.09204	.99705	.5193	.06178

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.37566	.63332	.54772	.35235	.36516	.37380
SDev	.00401	.00755	.00387	.00009	.01355	.018
%RSD	1.0689	1.1935	.70831	.02765	3.7131	4.8172

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.34780	.34247	.35730	.3676	.5846	1.6466
SDev	.00502	.00618	.00295	.0054	.0001	.00287
%RSD	1.4461	1.8056	.826	1.457	.027	.17479

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.33739	.83327	.72150
SDev	.00744	.00142	.00056
%RSD	2.2059	.1707	.07793

Zoom In
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Method: ICAPNC Sample Name: MP10468-S2 Operator:
Run Time: 10/17/09 21:04 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.32762	323.48	.40990	.96798	2.7041	.38452
SDev	.00071	.8078	.00217	.00316	.00502	.00076
%RSD	.21681	.24972	.53115	.32734	.18579	.1986

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	81.478	.35031	.43323	.60081	.45715	217.37
SDev	.2617	.0003	.00169	.0016	.00123	.58111
%RSD	.3212	.08681	.39019	.26639	.2703	.26734

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	63.127	73.076	2.2731	.38592	49.31	.48199
SDev	.29314	.12813	.004	.0027	.1968	.00144
%RSD	.46437	.17534	.17612	.69977	.3992	.29933

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.37149	.62807	.54283	.34846	.36269	.37228
SDev	.00263	.00476	.00231	.00123	.01138	.01683
%RSD	.70965	.7592	.42624	.35406	3.1382	4.5215

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.34342	.33691	.35424	.3627	.5831	1.7241
SDev	.0011	.0042	.0038	.0051	.001	.00486
%RSD	.32031	1.2486	1.0748	1.394	.1721	.2822

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.33482	.83074	.69024
SDev	.00511	.00194	.00164
%RSD	1.5285	.23364	.23848

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Method: ICAPNC Sample Name: T39188-1 Operator:
Run Time: 10/17/09 21:10 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00772	1.9175	.06972	.01898	3.1554	.00014
SDev	.00038	.00672	.00062	.0022	.00625	.00002
%RSD	4.9693	.35085	.89936	11.618	.19835	15.174

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	8.4497	.00077	.03751	.28609	1.5651	112.20
SDev	.01013	.00027	.00077	.00073	.00195	.06601
%RSD	.12	35.347	2.0654	.25611	.12459	.05883

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.52295	.82221	2.8857	.11905	8.097	.32713
SDev	.0019	.00305	.00153	.00097	.041	.0006
%RSD	.36336	.37155	.05314	.8187	.5067	.18516

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.01610	.06663	.03931	-.00069	.01524	.02117
SDev	.00243	.0014	.00016	.00084	.0007	.00053
%RSD	15.129	2.1113	.40871	122.32	4.5938	2.5209

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00299	-.01101	.00430	.1003	.3334	.07932
SDev	.00298	.00334	.00181	.0014	.0005	.00049
%RSD	99.941	30.332	42.168	1.403	.1507	.62688

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00428	.02729	.16383
SDev	.00342	.00036	.0001
%RSD	79.963	1.3295	.06183

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Method: ICAPNC Sample Name: T39316-15 Operator:
Run Time: 10/17/09 21:17 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.02147	41.496	.05703	-.01130	2.4214	.00349
SDev	.00091	.16916	.00148	.00796	.00737	.00005
%RSD	4.2473	.40767	2.6096	70.418	.30474	1.4686

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H1212.8	.00823	1.4356	2.1394	3.8273	376.80
SDev	4.0896	.00054	.0026	.00588	.01284	.77418
%RSD	.33719	6.6493	.18154	.27519	.33565	.20546

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	4.6432	30.193	7.2085	.33313	6.214	1.2527
SDev	.02159	.05577	.01694	.00199	.0932	.0029
%RSD	.46517	.18474	.235	.59993	1.5	.23177

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.5448	1.8244	1.7316	.00792	L-.00615	.01324
SDev	.00634	.00897	.00479	.00162	.00194	.00347
%RSD	.41082	.49192	.27675	20.516	31.549	26.255

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.04487	-.03263	.02874	.0499	2.745	1.5501
SDev	.00113	.00243	.002	.0017	.0083	.00303
%RSD	2.5268	7.4703	6.9879	3.48	.3013	.19575

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00206	.22669	1.3470
SDev	.00418	.00036	.00245
%RSD	203.09	.15917	.18239

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Method: ICAPNC Sample Name: T39522-1 Operator:
Run Time: 10/17/09 21:23 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00005	295.54	.03867	.05293	1.6291	.01541
SDev	.00034	.58655	.00119	.00126	.00208	.00012
%RSD	674.52	.19847	3.0855	2.3855	.12774	.81467

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	71.695	-.00215	.08570	.25924	.10282	186.46
SDev	.59722	.00034	.00044	.00103	.00005	1.0027
%RSD	.83301	16.024	.51709	.39941	.05202	.53772

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	18.713	28.483	2.9149	.02385	2.118	.12078
SDev	.03985	.14087	.01304	.00107	.0542	.00066
%RSD	.21299	.49459	.44757	4.5199	2.558	.54801

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00578	.23892	.16148	-.00132	.00183	.01383
SDev	.00273	.00346	.00141	.00073	.00264	.00519
%RSD	47.33	1.4521	.87546	55.663	144.19	37.572

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02233	-.02039	.00816	.0197	.3747	.84668
SDev	.0028	.00533	.00352	.0076	.0006	.00326
%RSD	12.535	26.179	43.167	38.73	.1674	.38614

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00384	.43694	.30229
SDev	.00718	.00167	.00096
%RSD	187.11	.38366	.31954

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/17/09 21:31 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.25937	40.979	2.0738	2.1064	2.0878	2.0969
SDev	.00053	.06881	.00755	.00799	.00322	.01017
%RSD	.20611	.16792	.3641	.37962	.15456	.48502

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	41.458	2.0733	2.0484	2.0528	2.0355	40.978
SDev	.2336	.01041	.01019	.00855	.0028	.18307
%RSD	.56347	.5024	.49764	.41681	.13784	.44675

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	41.556	41.332	2.0532	2.0384	40.65	2.0802
SDev	.1193	.2009	.00846	.01553	.0955	.01091
%RSD	.2871	.48607	.4124	.76208	.235	.52464

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	2.0408	2.0726	2.0622	2.0720	2.0269	2.0008
SDev	.01384	.01303	.0087	.00302	.10065	.13241
%RSD	.67852	.62894	.42217	.14611	4.9658	6.6182

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0788	2.1050	2.0553	1.970	1.915	2.0599
SDev	.03798	.00664	.0067	.0074	.0036	.00559
%RSD	1.8275	.3155	.32646	.376	.1892	.27137

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	2.0244	2.0633	2.0749
SDev	.01585	.00732	.00993
%RSD	.78316	.35511	.47899

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/17/09 21:43 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00017	-.00216	.00270	.00275	.00006	.00000
SDev	.00017	.00242	.0003	.00074	.00003	.00002
%RSD	103.47	111.78	11.394	27.066	55.962	417.26

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.00500	-.00008	-.00003	-.00046	-.00101	.00542
SDev	.00097	.00007	.00028	.00003	.00019	.00566
%RSD	19.53	86.842	844.8	7.3032	18.856	104.28

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.03107	.00157	-.00007	.00058	-.0875	-.00017
SDev	.00627	.00205	.00001	.00028	.0616	.00082
%RSD	20.203	130.66	22.394	49.323	70.42	474.8

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00037	-.00133	-.00052	-.00011	.00196	.00192
SDev	.00089	.00018	.00024	.00051	.00152	.00216
%RSD	239.97	13.584	45.72	446.45	77.616	112.39

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00151	.00007	-.00049	-.0029	.0000	.00041
SDev	.00045	.00181	.00033	.0013	0	.0001
%RSD	29.715	2438.1	67.736	45.67	38.36	24.267

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00054	.00004	-.00005
SDev	.00316	.00028	.00006
%RSD	577.94	576.05	109.79

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Method: ICAPNC Sample Name: T39522-3 Operator:
Run Time: 10/17/09 21:50 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00216	413.98	.10564	.18633	5.1946	.02197
SDev	.0006	1.4219	.00119	.0027	.00257	.00005
%RSD	28.125	.34345	1.1357	1.4525	.04949	.24792

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	61.387	-.00320	.17096	.38015	.18087	374.93
SDev	.21781	.00068	.00057	.0005	.00049	1.1193
%RSD	.35482	21.207	.3358	.13404	.27617	.29854

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	44.637	80.982	11.555	.04555	3.220	.36287
SDev	.11037	.24612	.02664	.00058	.014	.00119
%RSD	.24728	.30392	.23056	1.2786	.4344	.32882

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.08785	.49138	.35720	L-.00949	.00046	.02440
SDev	.00476	.00641	.00273	.00189	.00549	.0088
%RSD	5.4289	1.3045	.76448	19.939	1176.4	36.069

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.04721	-.03767	.00477	.0206	.4547	.87359
SDev	.00353	.00575	.00557	.0093	.0008	.0031
%RSD	7.4911	15.27	116.82	45.14	.1824	.35551

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00378	.79571	.49717
SDev	.01205	.00208	.00152
%RSD	318.85	.26166	.30579

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Method: ICAPNC Sample Name: T39522-4 Operator:
Run Time: 10/17/09 21:56 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00323	524.38	.04900	.10730	2.3276	.01681
SDev	.00053	1.3961	.00181	.00324	.00355	.00004
%RSD	16.57	.26624	3.6978	3.0214	.15286	.26841

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	44.773	-.00294	.08932	.42377	.12947	294.57
SDev	.08108	.0006	.0004	.00047	.0004	.4404
%RSD	.18109	20.468	.45778	.11123	.30952	.1495

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	36.620	45.912	1.2721	.03397	14.33	.18899
SDev	.1352	.04411	.00113	.00033	.0678	.00109
%RSD	.36919	.09609	.08902	.98189	.4727	.57846

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.06029	.31647	.19124	-.00459	-.00226	.01510
SDev	.00266	.00313	.00122	.00145	.00459	.00785
%RSD	4.4236	.98933	.63918	31.713	202.69	51.998

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.03700	-.02687	.00658	.0241	.2903	1.3315
SDev	.00285	.00864	.00417	.0117	.0004	.00087
%RSD	7.7225	32.179	63.446	48.48	.1226	.06542

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00399	.64773	.47102
SDev	.01354	.00072	.00032
%RSD	339.05	.11136	.06861

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Method: ICAPNC Sample Name: T39522-6 Operator:
Run Time: 10/17/09 22:03 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00152	341.72	.05255	.20003	2.0251	.01506
SDev	.00022	.49523	.00072	.00141	.0026	0
%RSD	14.46	.14492	1.3705	.70653	.12876	.05339

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	407.65	-.00107	.10233	.32866	.39011	234.16
SDev	1.0297	.00039	.00048	.00112	.00024	.44074
%RSD	.25259	36.48	.47715	.34087	.06323	.18822

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	24.973	33.611	2.1140	.03374	4.725	.20317
SDev	.02756	.06409	.00462	.00045	.0512	.0007
%RSD	.11037	.19068	.21873	1.3441	1.083	.34491

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.71588	.99376	.90144	-.00027	.00252	.01773
SDev	.00543	.00878	.00428	.00209	.00281	.00525
%RSD	.7597	.88397	.47525	766.35	111.74	29.626

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02801	-.02536	.01239	.0328	.9928	1.1937
SDev	.00301	.00312	.00366	.0058	.001	.00168
%RSD	10.773	12.306	29.588	17.69	.0977	.14157

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00041	.51010	.64554
SDev	.01071	.00075	.00081
%RSD	2554.2	.14891	.12617

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Analysis Report Averages 10/26/09 08:46:17 AM page 101

Method: ICAPNC Sample Name: T39522-10 Operator:
Run Time: 10/17/09 22:09 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00367	404.40	.05614	.07728	2.3781	.01483
SDev	.0002	.38953	.00027	.00137	.00525	0
%RSD	5.5514	.09632	.48581	1.7772	.22105	.01179

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	120.60	-.00067	.08872	.36777	.22187	278.19
SDev	.18488	.00057	.00032	.00077	.0006	.04702
%RSD	.1533	84.87	.36909	.21064	.2745	.0169

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	27.117	33.742	3.6060	.03938	3.933	.35821
SDev	.0523	.00969	.0028	.00028	.0432	.00047
%RSD	.19287	.02874	.07772	.71925	1.098	.13264

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.03394	.30332	.19122	-.00255	.00013	.01748
SDev	.00256	.0051	.00256	.00081	.00374	.00718
%RSD	7.5635	1.6834	1.3423	31.784	2851.2	41.119

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.03462	-.02860	.01051	.0274	.4998	1.3521
SDev	.00369	.00562	.00398	.0092	.0009	.00087
%RSD	10.682	19.662	37.9	33.65	.1847	.06487

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00163	.56781	1.7682
SDev	.00905	.00046	.00143
%RSD	553.94	.08218	.08109

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Analysis Report Averages 10/26/09 08:46:17 AM page 102

Method: ICAPNC Sample Name: T39522-12 Operator:
Run Time: 10/17/09 22:15 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00246	486.65	.05817	.16753	4.0385	.02114
SDev	.00021	1.4389	.00166	.00215	.00182	.00017
%RSD	8.7873	.29568	2.8661	1.2861	.04507	.82126

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	57.397	-.00350	.13096	.43249	.12976	340.59
SDev	.44643	.00045	.00081	.00186	.0002	2.0134
%RSD	.77779	12.913	.62552	.43068	.15427	.59115

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	36.669	60.010	3.7311	.03819	8.292	.24020
SDev	.02041	.381	.01779	.00124	.0299	.00083
%RSD	.05566	.6349	.47692	3.2512	.3608	.34639

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.06296	.33730	.20422	-.00278	-.00009	.02189
SDev	.00229	.00418	.00207	.00327	.00353	.00696
%RSD	3.6506	1.2421	1.0162	117.84	3760.3	31.797

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.04396	-.03320	.01254	.0229	.4326	.84649
SDev	.00334	.00341	.00594	.0099	.0005	.00359
%RSD	7.6011	10.286	47.368	43.05	.1225	.42512

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00381	.73000	.50623
SDev	.01142	.0034	.00221
%RSD	299.69	.4666	.43809

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Analysis Report Averages 10/26/09 08:46:17 AM page 103

Method: ICAPNC Sample Name: T39522-14 Operator:
Run Time: 10/17/09 22:22 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00462	607.03	.08525	.45692	3.6748	.02382
SDev	.00048	.80044	.00141	.00509	.00365	.00003
%RSD	10.383	.13186	1.6566	1.1156	.09942	.12825

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	396.32	-.00113	.12495	.56072	.20312	432.23
SDev	.2777	.00069	.00012	.00062	.00054	.3303
%RSD	.07007	61.721	.09688	.1115	.26955	.07641

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H105.05	165.19	6.7441	.05035	7.798	.34928
SDev	.2105	.1232	.00539	.00094	.0125	.00049
%RSD	.20038	.07458	.07998	1.8811	.1608	.14242

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.17403	.33767	.16753	L-.00912	-.00106	.02503
SDev	.00229	.00546	.0029	.00114	.00389	.00696
%RSD	1.3162	1.6184	1.7316	12.557	367.04	27.824

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.05298	-.04359	.00843	.0133	.8568	2.2242
SDev	.00224	.00813	.003	.0134	.0008	.00463
%RSD	4.2341	18.653	35.573	101.2	.099	.20818

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00698	.77257	.78205
SDev	.0166	.00084	.00075
%RSD	237.8	.10954	.09676

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Analysis Report Averages 10/26/09 08:46:17 AM page 104

Method: ICAPNC Sample Name: T39522-16 Operator:
Run Time: 10/17/09 22:28 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00220	486.16	.05493	.10559	2.8281	.01895
SDev	.00045	.08714	.00166	.00307	.00673	.00002
%RSD	20.712	.01792	3.0392	2.915	.23831	.13091

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	52.991	-.00275	.29085	.40149	.11900	308.78
SDev	.10991	.0007	.00024	.00018	.00026	.26529
%RSD	.20742	25.462	.08585	.04694	.22306	.08591

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	36.616	45.416	8.8206	.03657	3.166	.19529
SDev	.06704	.01393	.00359	.00057	.0394	.00029
%RSD	.18311	.03069	.04073	1.5604	1.244	.15084

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.05035	.33030	.20377	-.00417	-.00134	.01693
SDev	.00526	.00458	.00202	.00043	.00379	.00764
%RSD	10.457	1.3895	.99255	10.393	281.39	45.146

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.03787	-.02640	.00700	.0177	.3437	1.3933
SDev	.00577	.00854	.00365	.0126	.0006	.00084
%RSD	15.241	32.345	52.122	71.14	.1808	.06033

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00402	.65698	.45111
SDev	.0123	.00027	.00016
%RSD	305.71	.04171	.03617

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Analysis Report Averages 10/26/09 08:46:17 AM page 105

Method: ICAPNC Sample Name: T39522-18 Operator:
Run Time: 10/17/09 22:35 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00395	571.50	.08359	.10608	2.7832	.02238
SDev	.0004	1.2629	.00351	.00334	.0073	.00023
%RSD	10.185	.22097	4.2032	3.1493	.26228	1.0578

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	67.704	-.00393	.09497	.47400	.15142	411.65
SDev	.68049	.00083	.00145	.00264	.00018	3.0118
%RSD	1.0051	21.338	1.5355	.55738	.1225	.73162

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	39.485	53.405	1.4477	.04713	3.560	.21668
SDev	.21551	.43364	.00617	.00148	.0399	.00066
%RSD	.54581	.81199	.4263	3.1535	1.12	.30512

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.08915	.38162	.22509	L-.00591	-.00216	.02223
SDev	.0043	.00838	.00417	.00223	.00575	.01264
%RSD	4.8304	2.1979	1.8547	37.816	266.24	56.855

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.05075	-.03878	.01067	.0184	.3866	1.0509
SDev	.00806	.01225	.00624	.0149	.0008	.00386
%RSD	15.889	31.604	58.462	80.71	.1971	.3682

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00699	.83392	.53379
SDev	.01479	.00481	.00326
%RSD	211.46	.57717	.61129

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Method: ICAPNC Sample Name: T39522-20 Operator:
Run Time: 10/17/09 22:41 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00236	384.80	.07358	.11054	2.1537	.01428
SDev	.00045	.19467	.00095	.00241	.00022	.00005
%RSD	19.346	.05059	1.2934	2.1833	.01033	.40986

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	212.17	-.00039	.07026	.34703	.15135	234.31
SDev	.56249	.00041	.00056	.00033	.00004	.4373
%RSD	.26511	104.22	.80752	.09648	.03078	.18663

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	33.282	42.745	2.2017	.03100	3.216	.18132
SDev	.04053	.0759	.00149	.00049	.0711	.00046
%RSD	.1218	.17756	.06769	1.5897	2.211	.25706

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.03618	.33202	.23372	-.00060	.00506	.02019
SDev	.00334	.00305	.0014	.00136	.00023	.00186
%RSD	9.25	.91872	.6028	224.34	4.6289	9.2365

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02532	-.02551	.01188	.0246	.5045	1.2441
SDev	.00376	.00782	.00474	.0093	.0001	.0023
%RSD	14.866	30.675	39.922	37.85	.0171	.18489

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00154	.55914	2.1059
SDev	.0098	.00153	.00289
%RSD	636.08	.2752	.13768

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Method: ICAPNC Sample Name: T39522-22 Operator:
Run Time: 10/17/09 22:48 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00246	398.26	.05848	.10637	3.1311	.01561
SDev	.00077	.14864	.00081	.0034	.00794	.00003
%RSD	31.644	.03732	1.3922	3.1997	.25359	.24909

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	215.83	-.00162	.11056	.33596	.13591	261.09
SDev	.35236	.0007	.00003	.00085	.00034	.40247
%RSD	.16325	43.486	.03381	.25443	.25714	.15415

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	33.156	44.196	3.8291	.03395	3.474	.19384
SDev	.02975	.04835	.00416	.001	.0679	.00085
%RSD	.08974	.10941	.10883	2.9637	1.955	.43987

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.07356	.24646	.14013	-.00247	.00004	.01566
SDev	.00254	.00194	.00048	.00249	.00164	.00396
%RSD	3.463	.7895	.34768	100.85	3328.3	25.289

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.03124	-.02489	.00882	.0228	.5014	1.1809
SDev	.00421	.00644	.0015	.011	.001	.00276
%RSD	13.478	25.902	17.079	47.96	.2062	.23406

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00467	.57588	.43927
SDev	.01101	.00038	.00035
%RSD	235.76	.06736	.08182

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/17/09 22:56 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.26131	41.271	2.0838	2.1199	2.0940	2.1215
SDev	.00142	.162	.00648	.00868	.00903	.00907
%RSD	.54485	.39253	.31102	.40974	.43171	.42774

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	42.083	2.0974	2.0702	2.0781	2.0430	41.423
SDev	.23488	.01308	.00983	.01182	.00613	.21571
%RSD	.55814	.62369	.47516	.56885	.30013	.52077

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	41.562	41.739	2.0731	2.0555	40.89	2.0963
SDev	.14225	.19903	.01125	.01103	.1713	.01222
%RSD	.34228	.47685	.54293	.53689	.4191	.58324

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	2.0658	2.0935	2.0846	2.0846	2.0406	2.0148
SDev	.00985	.00607	.00734	.00284	.09513	.12389
%RSD	.47711	.29022	.35238	.13625	4.6622	6.1492

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0920	2.1190	2.0672	1.985	1.930	2.0734
SDev	.03757	.00417	.00378	.0048	.009	.00741
%RSD	1.796	.19706	.18323	.2398	.4645	.35784

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	2.0339	2.0828	2.0953
SDev	.01642	.01067	.00952
%RSD	.80748	.5127	.45464

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/17/09 23:08 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00034	.00184	.00103	.00208	.00009	-.00005
SDev	.00051	.00144	.00052	.00082	.00002	.00001
%RSD	147.77	78.507	50.987	39.661	27.871	28.36

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.00222	.00000	-.00017	-.00050	-.00083	.00175
SDev	.0004	.00005	.00027	.00003	.00006	.00051
%RSD	18.254	697	157.83	6.6074	7.5807	29.164

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.00134	.00111	-.00004	.00017	-.0301	-.00021
SDev	.00106	.00065	.00003	.00041	.0335	.00053
%RSD	78.789	59.103	76.109	238.35	111.3	249.17

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00003	-.00131	-.00060	-.00085	.00173	.00078
SDev	.00078	.00225	.00134	.00072	.00199	.00238
%RSD	2086.1	170.84	224.18	84.205	114.91	304.11

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00312	-.00196	-.00060	-.0013	.0000	.00065
SDev	.00124	.00166	.00148	.0005	0	0
%RSD	39.776	84.899	246.37	40.33	12.44	.03679

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00024	.00008	-.00013
SDev	.00094	.00003	.00007
%RSD	383.55	42.342	57.717

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Method: ICAPNC Sample Name: T39522-24 Operator:
Run Time: 10/17/09 23:14 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00028	237.96	.04951	.04450	.82384	.01050
SDev	.00065	.35938	.00119	.00258	.00062	.00005
%RSD	234.74	.15102	2.4185	5.8038	.07574	.4889

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	30.450	-.00217	.05166	.23147	.06295	185.48
SDev	.04071	.00019	.00033	.00074	.0003	.20888
%RSD	.13372	9.014	.64687	.32325	.47996	.11262

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	14.809	18.218	.97293	.02577	1.114	.07784
SDev	.01681	.02879	.00177	.00045	.0545	.00041
%RSD	.11353	.15807	.18266	1.7771	4.896	.53458

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00021	.21155	.14139	.00277	.00158	.01327
SDev	.00138	.00304	.00157	.00064	.00326	.00586
%RSD	636.28	1.4407	1.1153	23.322	205.47	44.204

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02198	-.01828	.01321	.0194	.1885	1.3235
SDev	.002	.00524	.00276	.0061	.0001	.00166
%RSD	9.1102	28.688	20.931	31.63	.0795	.12598

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00310	.53400	.20245
SDev	.00651	.00069	.00025
%RSD	209.51	.12954	.12505

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Method: ICAPNC Sample Name: T39522-26 Operator:
Run Time: 10/17/09 23:21 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00097	361.14	.04012	.07981	1.8723	.01466
SDev	.00051	1.2027	.00017	.00243	.00351	.00001
%RSD	52.369	.33304	.44325	3.0481	.18788	.09307

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	48.247	-.00181	.06903	.30713	.10842	206.77
SDev	.10697	.00044	.00022	.001	.00044	.47943
%RSD	.22173	24.582	.33181	.32693	.40916	.23186

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	25.660	34.587	1.2174	.02503	3.761	.13169
SDev	.07969	.09107	.00367	.0006	.0728	.00035
%RSD	.31059	.26331	.30172	2.4031	1.936	.27202

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00197	.26464	.17609	.00038	.00019	.01216
SDev	.00356	.0032	.00095	.00206	.0021	.00536
%RSD	180.67	1.2127	.5403	533.17	1095.5	44.086

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02389	-.02005	.01057	.0173	.3304	1.0680
SDev	.00441	.00883	.00134	.0084	.0007	.00154
%RSD	18.478	44.037	12.686	48.89	.1974	.14513

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00150	.53734	.33319
SDev	.00873	.00104	.0004
%RSD	578.99	.19385	.12245

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Method: ICAPNC Sample Name: T39522-28 Operator:
Run Time: 10/17/09 23:27 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00198	241.37	.07838	.05437	1.6389	.01154
SDev	.00034	.7988	.00079	.0026	.00429	.00005
%RSD	17.587	.33094	1.0167	4.8001	.26234	.47935

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	243.58	.00096	.08239	.27962	.21252	228.19
SDev	.61159	.00031	.00034	.0006	.00113	.47066
%RSD	.25108	33.284	.42464	.21772	.5343	.20625

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	18.407	24.605	2.3472	.03099	5.138	.13766
SDev	.08478	.02239	.00254	.00051	.0792	.0007
%RSD	.46061	.091	.10849	1.6604	1.541	.51185

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.36014	.60992	.52700	.00152	.00369	.01887
SDev	.00112	.00515	.00309	.00183	.00254	.00466
%RSD	.31338	.84549	.58658	120.8	68.783	24.725

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02679	-.01923	.01193	.0239	.6254	.90516
SDev	.0018	.0047	.00226	.0041	.0013	.00226
%RSD	6.7311	24.443	18.965	17.01	.2106	.25052

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00068	.61664	4.7286
SDev	.00767	.00106	.00355
%RSD	1124.5	.17194	.07526

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Method: ICAPNC Sample Name: T39529-1 Operator:
Run Time: 10/17/09 23:34 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.01444	88.866	.04574	.60119	5.5647	.00110
SDev	.00043	.15171	.00108	.00299	.02326	.00002
%RSD	2.9999	.17071	2.367	.49892	.41804	2.3053

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	216.26	.00472	.00905	.08560	2.0165	24.793
SDev	1.4222	.00017	.00026	.00046	.00758	.10897
%RSD	.65759	3.6561	2.9167	.54106	.37636	.43952

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	24.443	21.172	1.7871	.04933	43.71	.06910
SDev	.15418	.05698	.0049	.00146	.1302	.00092
%RSD	.63076	.26913	.27449	2.979	.2979	1.3321

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.06631	.10760	.09406	.05000	.01085	.01206
SDev	.00084	.00179	.00094	.0012	.0004	.00033
%RSD	1.2723	1.6688	1.003	2.4002	3.7696	2.7572

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00796	.04578	.05195	.2217	2.458	.17268
SDev	.00181	.00128	.00182	.0009	.0059	.00089
%RSD	22.832	2.8161	3.5129	.4227	.2406	.51631

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00979	.06633	4.1001
SDev	.00223	.00041	.00792
%RSD	22.768	.62047	.1933

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Method: ICAPNC Sample Name: T39532-1 Operator:
Run Time: 10/17/09 23:40 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00122	513.68	.12347	.03220	.34598	.00278
SDev	.0002	2.0418	.00108	.00156	.0017	.00005
%RSD	16.888	.39748	.87662	4.8614	.49265	2.138

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	9.8015	-.00090	.00628	.09861	.13010	46.690
SDev	.0403	.00058	.00022	.00054	.00071	.14393
%RSD	.41119	64.859	3.5167	.55739	.54784	.30828

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	4.8238	4.2477	2.4654	.01760	5.626	.03306
SDev	.04862	.012	.00673	.00122	.0782	.00068
%RSD	1.0081	.28256	.27297	6.9425	1.389	2.0741

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.11286	.06382	.00523	.00435	-.00100	-.00170
SDev	.00258	.00592	.00343	.00148	.00621	.01156
%RSD	2.2902	9.2759	65.702	34.073	619.14	680.12

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00007	.00161	.00548	.0199	.0904	.36186
SDev	.00451	.00887	.00598	.013	.0004	.00104
%RSD	5652.8	550.59	109.15	65.39	.4327	.2876

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00157	.11987	.08083
SDev	.01078	.00025	.00011
%RSD	685.71	.21242	.14361

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Method: ICAPNC Sample Name: T39533-1 Operator:
Run Time: 10/17/09 23:47 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00251	H1427.1	.59814	.11414	1.4449	.01255
SDev	.00037	5.1621	.00615	.00152	.00492	.00015
%RSD	14.794	.36172	1.0285	1.3344	.34062	1.2616

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	33.923	-.00151	.04480	.17521	2.7141	147.35
SDev	.28361	.0018	.00055	.00087	.01519	.79647
%RSD	.83604	119.23	1.2392	.5012	.55985	.54052

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	15.471	13.448	8.1921	.04109	10.21	.15984
SDev	.14764	.06778	.04018	.00389	.0413	.00049
%RSD	.95433	.50405	.49054	9.4754	.4045	.30841

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.19698	.17418	.05084	.02210	L-.00663	-.00557
SDev	.00967	.00941	.00366	.00219	.0119	.02525
%RSD	4.9128	5.4028	7.2095	9.911	179.33	452.75

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00906	.02379	.02113	.0285	.5384	1.2211
SDev	.01517	.02019	.01322	.0358	.0012	.00467
%RSD	167.44	84.879	62.577	125.9	.2281	.38304

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00983	.35799	.91650
SDev	.03389	.00155	.00274
%RSD	344.73	.43509	.30002

Zoom In Zoom Out

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/17/09 23:55 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.25773	40.934	2.0518	2.0903	2.0772	2.0790
SDev	.00073	.15007	.00671	.00699	.00716	.00684
%RSD	.28452	.36661	.32749	.33484	.34503	.32912

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	41.226	2.0511	2.0269	2.0352	2.0304	40.565
SDev	.13959	.00712	.00633	.00616	.00843	.10045
%RSD	.3386	.34735	.3125	.30304	.41534	.24764

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	41.538	40.910	2.0345	2.0205	40.61	2.0513
SDev	.16999	.14759	.00686	.01953	.1439	.00531
%RSD	.40924	.36077	.3376	.9669	.3543	.2589

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	2.0234	2.0572	2.0462	2.0618	2.0139	1.9883
SDev	.00854	.00772	.00755	.00517	.10581	.13611
%RSD	.42224	.37558	.36946	.25075	5.2542	6.8461

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0647	2.0889	2.0481	1.942	1.908	2.0449
SDev	.04548	.00548	.00503	.0036	.007	.00628
%RSD	2.2028	.26274	.24563	.1843	.3657	.30728

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	2.0051	2.0485	2.0603
SDev	.01921	.00776	.00824
%RSD	.95823	.37917	.40005

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/18/09 00:06 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00028	-.00408	.00122	.00202	.00002	.00002
SDev	.00026	.00156	.00045	.00065	.00002	.00002
%RSD	92.689	38.33	36.631	32.473	102.85	92.632

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.00511	.00009	-.00021	-.00040	-.00089	.00368
SDev	.00106	.00005	.00011	.00039	.00014	.00143
%RSD	20.762	63.564	51.581	98.184	16.601	38.917

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.02640	.00075	-.00007	.00037	-.0630	-.00020
SDev	.00864	.00111	0	.00036	.0476	.00044
%RSD	32.757	147.71	10.857	99.019	75.56	221.54

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00029	.00000	.00017	.00022	.00160	.00081
SDev	.00085	.001	.00061	.00052	.00238	.00349
%RSD	286.64	13401	354.98	234.76	149.21	428.85

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00264	.00096	-.00044	-.0012	.0000	.00036
SDev	.00019	.0024	.0018	.0002	0	.0001
%RSD	7.4845	249	401.57	17.56	17.58	27.85

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00087	.00017	-.00008
SDev	.00134	.00051	.00004
%RSD	153.94	287.4	50.429

Zoom In
Zoom Out

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Method: ICAPNC Sample Name: MP10470-MB1 Operator:
Run Time: 10/18/09 00:13 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00015	-.00722	.00059	.00206	.00004	.00001
SDev	.00012	.00141	.00057	.0005	.00004	.00001
%RSD	84.812	19.568	96.29	24.313	92.104	111.67

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.00495	.00005	-.00002	-.00048	-.00080	.00576
SDev	.00065	.00005	.00032	.00027	.00017	.00476
%RSD	13.176	108.19	1329.4	55.67	22.179	82.678

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.01443	.00129	-.00009	.00015	-.0402	.00000
SDev	.00521	.00039	.00006	.00052	.022	.00016
%RSD	36.132	30.356	65.178	327.93	54.57	2268.8

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00147	-.00135	-.00112	-.00130	.00088	.00059
SDev	.00262	.00133	.00022	.00106	.00091	.00124
%RSD	178.06	98.684	19.945	81.543	103.7	209.5

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00094	-.00242	-.00102	-.0001	.0000	.00036
SDev	.00112	.0016	.00081	.001	0	.0001
%RSD	118.92	66.106	79.571	676.4	22.36	27.975

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00032	.00023	-.00008
SDev	.0003	.00006	.00002
%RSD	90.955	26.537	35.27

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Method: ICAPNC Sample Name: MP10470-B1 Operator:
Run Time: 10/18/09 00:19 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.40440	53.087	.42119	1.0676	.42293	.42792
SDev	.00058	.11998	.0004	.00162	.00051	.00044
%RSD	.14446	.22601	.09573	.15206	.12292	.10406

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	52.324	.41076	.40479	.40647	.41196	51.281
SDev	.07676	.00052	.00041	.00058	.00027	.03807
%RSD	.14671	.1281	.10256	.14505	.06648	.07424

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	51.834	52.254	.42271	.41519	51.73	.41383
SDev	.15731	.05298	.00055	.00395	.2207	.00131
%RSD	.30348	.1014	.13192	.95366	.4267	.31715

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.37620	.43095	.41299	.42761	.41453	.41409
SDev	.00194	.00032	.00065	.00055	.01533	.01907
%RSD	.51732	.07589	.15964	.12943	3.6981	4.6064

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.41501	.42979	.42632	.3938	.3533	.43557
SDev	.00785	.0016	.00139	.0013	.0004	.00042
%RSD	1.8925	.37242	.32734	.3358	.1161	.09864

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.39262	.41548	.42683
SDev	.01705	.00031	.00031
%RSD	4.3446	.07563	.07277

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Analysis Report Averages 10/26/09 08:46:17 AM page 120

Method: ICAPNC Sample Name: T39394-13 Operator:
Run Time: 10/18/09 00:26 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00015	.02745	.00102	.00356	.00062	.00000
SDev	.00028	.00866	.00037	.00072	.00003	.00002
%RSD	179.07	31.579	36.63	20.376	5.0348	695.59

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.14003	-.00006	-.00027	.00000	.00065	.02942
SDev	.00105	.00011	.00026	.00021	.00002	.0033
%RSD	.75513	166.02	97.157	14775	3.8655	11.213

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.01390	.01438	.00113	.00168	.4019	-.00022
SDev	.00235	.00208	.00002	.00076	.0599	.00037
%RSD	16.949	14.516	2.4715	45.339	14.91	169.44

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00352	-.00087	.00084	.00060	.00518	.00505
SDev	.00081	.00132	.00065	.00087	.00295	.00417
%RSD	23.011	150.59	77.405	144.08	56.96	82.589

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00490	-.00453	.00288	.0064	.0005	.00083
SDev	.00113	.00073	.00155	.0006	0	.00017
%RSD	23.233	16.292	53.848	10.13	2.108	21.321

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00245	.00018	.00153
SDev	.00226	.00017	.00002
%RSD	92.255	92.365	1.7245

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Method: ICAPNC Sample Name: MP10470-D1 Operator:
Run Time: 10/18/09 00:32 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00019	.02342	.00022	.00231	.00051	-.00003
SDev	.00034	.00086	.00133	.00047	.00005	.00001
%RSD	173.71	3.6978	591.26	20.359	9.6918	34.407

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.13600	.00000	-.00023	-.00008	.00086	.02460
SDev	.00124	.00011	.00028	.00012	.00017	.00904
%RSD	.9144	3559.7	118.19	151.38	20.163	36.763

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.00753	.01576	.00099	.00080	.4368	-.00037
SDev	.00355	.00061	.00004	.00059	.0913	.00067
%RSD	47.175	3.9107	4.2394	73.34	20.9	180.46

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00214	-.00176	-.00021	-.00154	.00146	.00155
SDev	.00111	.00147	.00067	.00088	.00141	.00189
%RSD	51.972	83.337	319.07	57.606	96.791	121.9

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00074	-.00447	-.00037	.0086	.0005	.00071
SDev	.00145	.00162	.00072	.0011	0	.0001
%RSD	196.84	36.225	195.76	12.45	2.047	14.332

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00472	.00011	.00117
SDev	.00096	.00034	.00001
%RSD	20.412	304.09	1.5447

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Method: ICAPNC Sample Name: MP10470-SD1 Operator:
Run Time: 10/18/09 00:39 Filename: R101709
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00270	.03877	.00571	.00667	.00161	-.00026
SDev	.00091	.00318	.00271	.00106	.00018	.00013
%RSD	33.937	8.2041	47.528	15.909	11.187	51.951

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.17177	-.00036	-.00025	-.00304	-.00268	.03458
SDev	.00514	.00051	.00169	.0003	.00073	.02173
%RSD	2.9974	140.74	666.4	9.9627	27.465	62.838

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.04357	.02712	.00092	.00148	.1337	-.00272
SDev	.04067	.0061	.00006	.00066	.2738	.00238
%RSD	93.327	22.513	7.39	45.045	204.8	87.552

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00017	-.00538	-.00235	-.00128	.00233	.00139
SDev	.00565	.00228	.00098	.00499	.00114	.00328
%RSD	3309.6	42.418	41.871	389.95	48.725	235.41

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00156	-.00253	-.00209	.0060	.0008	.00152
SDev	.00315	.0175	.00276	.0069	0	0
%RSD	200.79	690.06	132.3	115.4	4.447	.47413

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00503	.00012	.01345
SDev	.00714	.00159	.00066
%RSD	141.96	1240.3	4.9433

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Method: ICAPNC Sample Name: MP10470-S1 Operator:
Run Time: 10/18/09 00:45 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.14692	52.892	.41364	1.0483	.42141	.42243
SDev	.0005	.1803	.00205	.00272	.00058	.00152
%RSD	.34665	.3409	.49705	.26028	.13788	.36119

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	51.624	.40627	.39909	.40301	.41439	50.834
SDev	.20855	.00121	.00114	.00116	.00105	.19121
%RSD	.40398	.29903	.28629	.28932	.25533	.37614

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	51.474	51.458	.42063	.41655	52.40	.40771
SDev	.13392	.18044	.00104	.00429	.2434	.00193
%RSD	.26018	.35065	.24801	1.0307	.4645	.47349

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.37193	.42458	.40729	.40315	.40665	.40604
SDev	.00225	.0035	.00168	.00139	.01178	.01543
%RSD	.6051	.82435	.41305	.3472	2.897	3.8021

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.40746	.39818	.40543	.4016	.3520	.43338
SDev	.00482	.00125	.00206	.0029	.0006	.00143
%RSD	1.1851	.31537	.5082	.7114	.1759	.3302

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.38286	.41322	.42478
SDev	.02013	.00129	.00138
%RSD	5.26	.31345	.32521

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Method: ICAPNC Sample Name: MP10470-S2 Operator:
Run Time: 10/18/09 00:52 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.14850	54.463	.42307	1.0744	.43279	.43630
SDev	.00037	.26413	.00334	.00619	.00166	.00157
%RSD	.25292	.48498	.78959	.5769	.38566	.36196

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	53.208	.41726	.41124	.41581	.42637	52.485
SDev	.15146	.00124	.00132	.00141	.00215	.12588
%RSD	.28466	.29943	.32156	.33989	.50425	.23984

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	52.480	53.093	.43318	.43054	53.66	.42029
SDev	.32075	.20513	.00171	.00111	.2777	.00176
%RSD	.61119	.38636	.39582	.25791	.5175	.41914

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.38302	.43587	.41854	.41369	.42322	.42394
SDev	.00166	.00238	.00118	.00165	.01	.01275
%RSD	.434	.54653	.28319	.40072	2.3635	3.0088

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.42136	.41144	.41461	.4131	.3619	.44629
SDev	.0045	.00116	.00192	.0023	.0014	.00067
%RSD	1.0686	.2828	.46409	.5632	.3897	.15169

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.39575	.42390	.43667
SDev	.01497	.00138	.00175
%RSD	3.7842	.32571	.40291

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Method: ICAPNC Sample Name: T39524-1 Operator:
Run Time: 10/18/09 00:58 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00024	1.6133	.01105	.10347	.13723	.00030
SDev	.00019	.00979	.00061	.00033	.00026	.00004
%RSD	79.042	.60691	5.5531	.32529	.19461	13.687

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	120.37	.00029	.02868	.01841	.24712	4.1322
SDev	.54371	.00019	.0005	.0003	.00069	.02915
%RSD	.45168	65.37	1.7561	1.6419	.28215	.70562

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H240.95	33.422	1.6231	.00954	H314.4	.01285
SDev	.37765	.12221	.00701	.00041	2.126	.00041
%RSD	.15673	.36567	.43231	4.3633	.6761	3.2259

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00220	.00090	.00161	.01253	.00880	.00952
SDev	.00153	.00155	.00055	.00307	.00124	.00135
%RSD	69.614	170.69	34.389	24.54	14.121	14.23

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00682	.01306	.01202	.0080	.5087	.19504
SDev	.00159	.00206	.00371	.0018	.0008	.0006
%RSD	23.373	15.769	30.872	22.85	.1537	.30909

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.01075	.03921	1.2783
SDev	.00385	.00053	.0038
%RSD	35.808	1.356	.29736

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Method: ICAPNC Sample Name: T37840-1R Operator:
Run Time: 10/18/09 01:05 Filename: R101709
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.01893	153.74	.25082	42.783	H151.48	.00399
SDev	.00294	.53856	.00604	.15241	.68028	0
%RSD	15.569	.35031	2.4113	.35624	.4491	.13813

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H2996.2	.01624	.17298	1.7599	31.890	H1337.2
SDev	17.601	.00093	.0005	.0095	.06862	5.4436
%RSD	.58745	5.7446	.29454	.54014	.21518	.40708

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H325.56	870.01	15.065	.65204	H12910.	.75414
SDev	.98634	2.8369	.07092	.00505	36.98	.00649
%RSD	.30296	.32607	.47083	.77471	.2864	.86151

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.52197	1.5954	1.2396	L-.06152	.01647	.13059
SDev	.00211	.00844	.0056	.00706	.0058	.00871
%RSD	.40607	.52907	.45243	11.488	35.202	6.6701

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.21242	-.07979	-.05126	.0773	H100.6	5.5890
SDev	.00233	.01077	.00918	.0027	.336	.01687
%RSD	1.1005	13.501	17.918	3.508	.3341	.30184

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.04145	.24894	H136.74
SDev	.02198	.00085	.92593
%RSD	53.045	.34414	.67717

Zoom In
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Method: ICAPNC Sample Name: T37840-1R Operator:
Run Time: 10/18/09 01:11 Filename: R101709
Mode: CONC Type: S Corr. Factor: 10.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.01684	149.66	.24105	42.704	H163.29	.00284
SDev	.00224	.59424	.01708	.17788	.43169	.00018
%RSD	13.337	.39706	7.0855	.41655	.26437	6.4657

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H3052.5	.00767	.17464	1.7971	30.692	H1356.6
SDev	6.4352	.00153	.00157	.0073	.10313	3.2239
%RSD	.21081	20.049	.90211	.40624	.33604	.23764

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H291.76	881.59	15.358	.65237	H16810.	.77426
SDev	1.2899	2.3656	.04585	.00694	71.8	.00289
%RSD	.44212	.26833	.29858	1.0642	.4271	.37367

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.53521	1.6286	1.2670	L-.05661	.02623	.15167
SDev	.02439	.0071	.00338	.00849	.01402	.01987
%RSD	4.5587	.43599	.26729	15.012	53.443	13.103

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.22797	-.04566	-.06246	.0637	H173.2	5.6666
SDev	.0139	.02688	.02285	.015	.5438	.00251
%RSD	6.0982	58.881	36.594	23.47	.314	.0444

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.05894	.24441	H199.48
SDev	.0128	.00644	.61347
%RSD	21.724	2.6365	.30753

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/18/09 01:19 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.26095	41.330	2.0857	2.1135	2.0956	2.1110
SDev	.00084	.12137	.0074	.00549	.0075	.01102
%RSD	.32499	.29367	.35514	.26009	.35826	.52225

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	41.783	2.0867	2.0592	2.0673	2.0558	41.289
SDev	.2339	.00782	.00952	.01072	.00606	.22378
%RSD	.5598	.37515	.46239	.51902	.29488	.54199

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	41.838	41.494	2.0645	2.0531	41.05	2.0848
SDev	.10715	.19161	.00966	.02691	.1301	.00755
%RSD	.25612	.46179	.46812	1.3108	.3168	.3626

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	2.0510	2.0913	2.0781	2.0928	2.0481	2.0284
SDev	.00642	.01437	.01149	.00615	.10951	.1427
%RSD	.31316	.68718	.55307	.29403	5.3473	7.0356

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0870	2.1102	2.0839	1.985	1.919	2.0731
SDev	.04309	.00235	.01034	.0187	.007	.01045
%RSD	2.0651	.11157	.49637	.941	.3653	.50419

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	2.0469	2.0747	2.0828
SDev	.02374	.0097	.01015
%RSD	1.1601	.46786	.48762

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/18/09 01:31 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00008	-.00004	.00071	.00373	.00005	-.00001
SDev	.00015	.00127	.00133	.00084	.00003	.00001
%RSD	185.88	3001.5	187.29	22.663	65.333	113.77

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.00387	.00006	-.00041	-.00068	-.00096	-.00776
SDev	.00047	.00005	.00009	.00028	.00024	.00113
%RSD	12.305	81.383	23.422	41.081	25.047	14.64

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.00097	-.00166	-.00013	.00028	-.0241	.00002
SDev	.00622	.00107	0	.00024	.0153	.00071
%RSD	636.88	64.875	4.0575	86.129	63.34	2591.3

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00010	-.00002	.00021	-.00031	.00286	.00290
SDev	.0015	.00108	.0003	.00068	.00111	.00108
%RSD	1461.7	3724.9	141.52	221.01	38.777	37.539

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00226	-.00014	-.00068	.0003	.0000	.00053
SDev	.0012	.00257	.00048	.0014	0	.0001
%RSD	53.086	1726.6	70.675	412.8	31.22	18.879

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00016	.00004	.00005
SDev	.00103	.00011	.00014
%RSD	622.48	233.09	260.01

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Method: ICAPNC Sample Name: T37840-1R Operator:
Run Time: 10/18/09 01:38 Filename: R101709
Mode: CONC Type: S Corr. Factor: 100.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00302	142.35	.34464	41.675	H178.28	-.00206
SDev	.0166	.37783	.06586	.02069	.08019	.0006
%RSD	548.44	.26543	19.11	.04964	.04498	29.477

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H3007.8	L-.00433	.17877	1.7712	28.883	H1348.8
SDev	6.4099	.00989	.02433	.02068	.01209	2.6941
%RSD	.21311	228.36	13.61	1.1677	.04188	.19974

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H179.57	879.74	15.743	.72175	H24190.	.79941
SDev	.12202	1.1851	.03423	.00643	52.28	.01535
%RSD	.06795	.13471	.21745	.89158	.2161	1.9203

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.60494	1.5218	1.2444	L-.04629	.18337	.31131
SDev	.12255	.11859	.08203	.04267	.26802	.37496
%RSD	20.259	7.7932	6.5917	92.177	146.17	120.44

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.12438	-.12612	-.03421	L-.1189	H147.2	5.7907
SDev	.05838	.13216	.04995	.0681	.0918	.01911
%RSD	46.944	104.78	145.98	57.33	.0624	.33009

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.17486	.28972	H283.13
SDev	.09127	.01749	.41134
%RSD	52.198	6.0387	.14528

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Method: ICAPNC Sample Name: T37840-2R Operator:
Run Time: 10/18/09 01:44 Filename: R101709
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00004	88.483	.16174	32.951	H58.439	.00856
SDev	.00082	.1579	.00331	.10247	.10491	.00005
%RSD	1717.8	.17846	2.049	.31098	.17953	.64455

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H2380.4	.00676	.13993	2.6497	5.2578	530.67
SDev	4.6504	.00059	.00014	.00382	.00976	.72174
%RSD	.19536	8.7762	.10543	.14441	.18581	.136

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H427.04	407.79	8.9375	.44636	H12950.	.71881
SDev	.73933	.51319	.01849	.00644	23.29	.00584
%RSD	.17312	.12584	.20689	1.4434	.1798	.81313

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.69391	1.1276	.98460	.01869	.13927	.14050
SDev	.01144	.00882	.00525	.01879	.00776	.00755
%RSD	1.6487	.78293	.53384	100.54	5.5752	5.3735

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.13498	-.02158	.03874	.0952	H96.56	3.1349
SDev	.01116	.00332	.02656	.0105	.2409	.00703
%RSD	8.2717	15.404	68.554	11.05	.2495	.22437

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.01734	.20380	H10.077
SDev	.00572	.00214	.01636
%RSD	32.982	1.0547	.16238

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Method: ICAPNC Sample Name: T37840-2R Operator:
Run Time: 10/18/09 01:51 Filename: R101709
Mode: CONC Type: S Corr. Factor: 10.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00095	88.607	.17961	33.696	H62.540	.00740
SDev	.00292	.35134	.01329	.07045	.15897	.00033
%RSD	306.86	.39652	7.3999	.20908	.25419	4.5536

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H2446.1	.00334	.14381	2.7489	5.2259	548.15
SDev	7.64	.0012	.00617	.00948	.01443	1.3947
%RSD	.31233	35.909	4.2913	.34499	.27619	.25443

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H401.67	422.80	9.2689	.46330	H17190.	.75073
SDev	1.7677	1.0544	.01651	.00354	33.62	.00613
%RSD	.44008	.24938	.17822	.76459	.1956	.81655

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.69417	1.1687	1.0133	.03185	.15070	.15067
SDev	.04011	.00517	.00993	.00399	.02947	.05134
%RSD	5.7786	.44269	.98087	12.541	19.558	34.077

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.14619	-.02364	.05816	.0870	H167.3	3.2592
SDev	.01448	.01567	.00169	.021	.2092	.0087
%RSD	9.9049	66.292	2.9111	24.18	.1251	.26699

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.01556	.21066	H10.242
SDev	.01346	.0064	.02223
%RSD	86.477	3.0386	.21708

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Method: ICAPNC Sample Name: T37840-2R Operator:
Run Time: 10/18/09 01:57 Filename: R101709
Mode: CONC Type: S Corr. Factor: 100.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00874	85.375	.26090	33.949	H66.661	.00185
SDev	.01584	.28244	.09395	.12796	.03655	.00429
%RSD	181.25	.33083	36.011	.37692	.05483	231.07

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H2445.3	.01752	.12827	2.7990	4.9080	554.29
SDev	13.75	.01226	.02065	.00506	.03709	3.4822
%RSD	.5623	69.99	16.1	.18106	.75583	.62823

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H256.40	435.13	9.6238	.50823	H25110.	.80442
SDev	1.3982	1.5203	.02817	.01488	188.6	.03264
%RSD	.54531	.34939	.29274	2.9288	.7511	4.0585

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.87972	1.0407	1.0144	L-.09807	.17521	.14378
SDev	.19037	.06793	.04774	.0947	.20669	.35814
%RSD	21.641	6.5275	4.7071	96.564	117.97	249.08

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.18492	-.10992	-.12000	.0531	H140.4	3.3821
SDev	.0995	.25376	.03746	.1749	.19	.01525
%RSD	53.81	230.86	31.224	329.5	.1353	.45098

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.01084	.22114	H10.351
SDev	.06645	.07757	.03366
%RSD	612.63	35.08	.32527

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Method: ICAPNC Sample Name: T37840-3R Operator:
Run Time: 10/18/09 02:03 Filename: R101709
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00282	4.4691	.05888	6.9835	2.4377	.00239
SDev	.00169	.02554	.00322	.02139	.00501	.00007
%RSD	60.102	.57148	5.4766	.3064	.20585	3.03

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	421.68	.01156	.02097	1.7557	1.1868	223.86
SDev	.83126	.00068	.00154	.00303	.00379	.51075
%RSD	.19713	5.9061	7.3884	.17273	.31976	.22815

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	58.728	89.927	3.1492	.56601	H5628.	2.1089
SDev	.23313	.21298	.00669	.00682	13.41	.00288
%RSD	.39696	.23683	.21269	1.2057	.2382	.13692

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.11949	.30423	.24414	.00044	L-.01409	-.01016
SDev	.00296	.0051	.00429	.00287	.0064	.00854
%RSD	2.4795	1.6781	1.7596	645.63	45.424	84.067

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02439	-.00117	.00011	.0159	H29.83	.06888
SDev	.00214	.00503	.00174	.0077	.0655	.00058
%RSD	8.7782	427.41	1467.1	48.65	.2196	.84605

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00664	.12671	6.2137
SDev	.00569	.00093	.01275
%RSD	85.806	.73623	.20529

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Method: ICAPNC Sample Name: T37840-3R Operator:
Run Time: 10/18/09 02:10 Filename: R101709
Mode: CONC Type: S Corr. Factor: 10.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00009	4.8135	.05767	7.1410	2.5395	.00102
SDev	.0013	.03606	.00298	.03087	.00675	.00008
%RSD	1354.3	.74921	5.1689	.43242	.26596	8.741

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	425.85	.01093	.01961	1.8027	1.2135	227.72
SDev	1.5822	.00062	.00118	.00773	.0028	.76742
%RSD	.37155	5.7143	6.0397	.42929	.23104	.337

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	52.193	92.640	3.2310	.58037	H6606.	2.1741
SDev	.22681	.33099	.01273	.00868	12.9	.01011
%RSD	.43456	.35729	.39404	1.496	.1953	.46547

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.14126	.28590	.24006	-.00195	L-.01640	-.01736
SDev	.0065	.01311	.01	.0102	.00791	.0157
%RSD	4.6052	4.5887	4.1661	521.9	48.222	90.394

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.01958	.01857	-.01468	.0261	H28.43	.07067
SDev	.01016	.02932	.00699	.0111	.081	.00026
%RSD	51.875	157.82	47.655	42.33	.2848	.37937

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00516	.12862	6.3430
SDev	.00351	.00289	.0272
%RSD	68.103	2.2534	.42883

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Method: ICAPNC Sample Name: T37840-4R Operator:
Run Time: 10/18/09 02:16 Filename: R101709
Mode: CONC Type: S Corr. Factor: 10.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00169	10.156	.01773	31.602	H75.044	-.00163
SDev	.00313	.06843	.00992	.09948	.17733	.00036
%RSD	185.62	.67385	55.973	.31479	.2363	22.267

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H2378.7	.00160	.05655	.27362	1.0114	108.54
SDev	11.953	.00142	.00126	.00211	.00447	.53957
%RSD	.5025	88.528	2.2337	.77155	.44266	.49712

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H267.75	615.50	2.8055	.07342	H15610.	.21302
SDev	1.4625	2.8989	.0109	.0038	72.08	.0035
%RSD	.54623	.47098	.38877	5.1889	.4617	1.6457

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00049	.09162	.06392	.00462	.01316	.01860
SDev	.01305	.00725	.00841	.00344	.00621	.00504
%RSD	2636.4	7.9213	13.166	74.571	47.221	27.117

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00327	.00287	.00353	-.0018	H158.0	.28838
SDev	.01449	.01402	.0077	.0078	.4678	.00303
%RSD	442.08	487.68	218.13	431	.2961	1.0521

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.03165	.02696	5.6851
SDev	.02316	.00037	.02079
%RSD	73.161	1.373	.36578

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Method: ICAPNC Sample Name: T37840-4R Operator:
Run Time: 10/18/09 02:23 Filename: R101709
Mode: CONC Type: S Corr. Factor: 100.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	L-.03271	10.410	.09889	32.000	H80.205	.00114
SDev	.02876	.02655	.11949	.07677	.27344	.00074
%RSD	87.908	.25508	120.83	.23991	.34093	64.775

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H2373.6	L-.00842	.05798	.23949	.92154	110.53
SDev	7.9919	.01515	.03612	.02222	.01305	.38581
%RSD	.33669	179.97	62.298	9.2809	1.4164	.34905

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H171.53	630.97	2.9121	.05774	H22290.	.18931
SDev	.47694	1.5058	.01259	.01634	14.05	.03875
%RSD	.27804	.23865	.43251	28.302	.063	20.473

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.09353	.07573	.04648	L-.21061	L-.05333	-.11120
SDev	.07324	.13179	.06888	.04719	.05154	.1082
%RSD	78.31	174.02	148.19	22.409	96.643	97.294

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00896	-.08129	-.30327	L-.0316	H121.4	.33110
SDev	.06632	.19303	.15576	.0432	.4663	.01043
%RSD	740.27	237.44	51.36	136.6	.3842	3.1504

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.04730	.05346	5.8901
SDev	.24422	.05706	.00827
%RSD	516.33	106.74	.14052

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Method: ICAPNC Sample Name: T37840-5R Operator:
Run Time: 10/18/09 02:29 Filename: R101709
Mode: CONC Type: S Corr. Factor: 10.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.14567	362.90	.51039	20.470	14.632	.01929
SDev	.00761	1.2283	.01437	.10127	.02147	.00001
%RSD	5.2303	.33846	2.8166	.49474	.14675	.07853

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H5890.4	.16332	.23358	1.6558	37.127	H8896.9
SDev	11.271	.00541	.00067	.01581	.07761	8.7178
%RSD	.19134	3.3178	.28747	.95517	.20904	.09798

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H424.37	H1045.0	H159.11	1.0717	H15940.	.75406
SDev	1.1438	1.9092	.20518	.00305	60.3	.01391
%RSD	.26952	.18268	.12895	.28471	.3782	1.8456

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	46.178	52.768	H50.576	L-.26859	L-.01016	.60146
SDev	.21411	.07921	.0983	.02545	.01738	.02749
%RSD	.46366	.15012	.19436	9.4779	171.15	4.5717

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-1.2247	-.76097	-.01423	.0516	H183.6	1.5885
SDev	.00289	.01948	.04002	.0296	.6958	.0033
%RSD	.23677	2.5602	281.29	57.31	.3789	.20832

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.13690	.72251	H76.529
SDev	.05632	.00208	.14901
%RSD	41.145	.2882	.19471

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Method: ICAPNC Sample Name: T37840-5R Operator:
Run Time: 10/18/09 02:36 Filename: R101709
Mode: CONC Type: S Corr. Factor: 50.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.15396	348.36	.51621	20.792	14.749	.01609
SDev	.01102	.97369	.04624	.17437	.02919	.00095
%RSD	7.1637	.27951	8.9577	.83864	.19793	5.9461

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H6097.0	.09009	.24882	1.7320	35.115	H9112.4
SDev	8.8533	.00471	.01177	.02462	.07694	13.943
%RSD	.1452	5.2298	4.7313	1.4219	.21913	.153

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H304.37	H1079.9	H171.02	1.0605	H21580.	.80021
SDev	1.2153	2.122	.3237	.02442	87.36	.03313
%RSD	.39929	.1965	.18927	2.3033	.4048	4.1407

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	47.957	55.015	H52.679	L-.17745	L-.01325	.58673
SDev	.09138	.26368	.15949	.04646	.04636	.07698
%RSD	.19055	.4793	.30277	26.181	349.69	13.12

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-1.2269	-.80326	.13183	.0696	H291.0	1.6542
SDev	.04174	.02372	.07081	.1157	.5456	.00696
%RSD	3.4021	2.9542	53.715	166.2	.1875	.42128

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.18269	.72145	H85.070
SDev	.00961	.02184	.16219
%RSD	5.2629	3.0284	.19066

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/18/09 02:44 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.26317	41.679	2.1013	2.1260	2.1123	2.1327
SDev	.0001	.086	.0091	.00523	.00272	.00536
%RSD	.03803	.20634	.43337	.24629	.12899	.25138

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	42.213	2.1003	2.0739	2.0858	2.0730	41.667
SDev	.06199	.0034	.00247	.0019	.00147	.06708
%RSD	.14687	.16204	.11957	.0914	.07094	.16099

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	42.275	41.849	2.0816	2.0762	41.37	2.0961
SDev	.01084	.06204	.00247	.02358	.1993	.00527
%RSD	.02564	.14826	.11878	1.1359	.4818	.25165

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	2.0631	2.1097	2.0944	2.1005	2.0665	2.0492
SDev	.00574	.00725	.00434	.0058	.10829	.14276
%RSD	.27865	.34397	.2075	.27654	5.2405	6.9668

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.1009	2.1173	2.0920	2.018	1.939	2.0881
SDev	.03926	.00025	.00869	.0132	.0043	.00195
%RSD	1.8692	.01213	.4154	.652	.2195	.09385

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	2.0664	2.0916	2.1073
SDev	.02176	.00294	.00377
%RSD	1.0533	.14074	.17907

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/18/09 02:56 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00009	.00267	.00100	.00395	.00001	-.00001
SDev	.00037	.0019	.00063	.00018	.00003	0
%RSD	412.14	71.134	63.674	4.7331	209.27	32.75

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.00353	.00003	-.00019	-.00044	-.00084	-.00027
SDev	.00033	.00006	.0003	.00006	.0001	.0082
%RSD	9.4258	179.73	159.06	15.498	12.945	2946.2

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.00739	-.00019	-.00011	.00056	.0694	-.00039
SDev	.0013	.00066	.00003	.00006	.0694	.00051
%RSD	17.7	338.2	28.631	11.119	99.94	128.93

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00171	-.00164	-.00025	-.00051	.00154	.00037
SDev	.00228	.00151	.00064	.00225	.00094	.00128
%RSD	132.66	92.107	247.75	435.19	61.46	338.98

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00333	.00042	-.00126	-.0003	.0000	.00065
SDev	.00117	.00498	.00158	.0003	0	.00017
%RSD	35.254	1168.4	125.17	110.5	4.894	26.956

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00047	.00011	-.00008
SDev	.00086	.00029	.00004
%RSD	184.63	260.74	56.805

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Method: ICAPNC Sample Name: T37840-5R Operator:
Run Time: 10/18/09 03:02 Filename: R101709
Mode: CONC Type: S Corr. Factor: 100.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.16918	353.97	.67715	21.446	15.564	.02059
SDev	.02224	.9084	.01752	.05531	.04318	.00293
%RSD	13.15	.25663	2.5881	.2579	.27746	14.267

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H6311.4	.07752	.26108	1.8063	35.593	H9409.9
SDev	48.821	.0029	.0352	.01231	.07637	58.318
%RSD	.77353	3.7432	13.485	.68197	.21458	.61974

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H278.88	H117.8	H178.59	1.1365	H22990.	.80426
SDev	.69523	6.3504	.83927	.01915	31.08	.02198
%RSD	.24929	.5681	.46994	1.6859	.1352	2.7341

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	49.829	57.389	H54.896	L-.18043	.18307	.83394
SDev	.17474	.46275	.36293	.0905	.04376	.05273
%RSD	.35069	.80634	.66112	50.158	23.907	6.3237

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-1.1581	-.66099	.04198	L-.0518	H274.9	1.7446
SDev	.12593	.25611	.08847	.1573	.2255	.00677
%RSD	10.874	38.746	210.7	303.4	.082	.38826

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.20864	.73358	H89.082
SDev	.02771	.02393	.42654
%RSD	13.284	3.2623	.47882

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/18/09 03:10 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.26023	41.238	2.0727	2.0982	2.0917	2.0980
SDev	.0013	.22376	.01013	.00436	.00517	.00719
%RSD	.50025	.5426	.48909	.20818	.24727	.34292

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	41.535	2.0659	2.0428	2.0522	2.0504	41.000
SDev	.17879	.00685	.00757	.00747	.00578	.16565
%RSD	.43045	.33161	.37094	.36402	.28204	.40402

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	41.957	41.135	2.0498	2.0473	40.84	2.0623
SDev	.14042	.18097	.00691	.02337	.2648	.00782
%RSD	.33469	.43994	.33757	1.1416	.6485	.37925

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	2.0358	2.0787	2.0647	2.0835	2.0483	2.0317
SDev	.00895	.01234	.01061	.01001	.11248	.14586
%RSD	.43988	.59364	.51428	.48049	5.4915	7.1796

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0811	2.0982	2.0760	1.986	1.918	2.0626
SDev	.04587	.00499	.01264	.0124	.0052	.00889
%RSD	2.2045	.23827	.60895	.6234	.2719	.43123

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	2.0342	2.0608	2.0772
SDev	.02366	.00646	.00819
%RSD	1.1636	.31358	.39465

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/18/09 03:22 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00018	-.00341	.00062	.00337	.00000	.00004
SDev	.00073	.00367	.00116	.00061	.00005	.00004
%RSD	394.18	107.68	184.59	18.386	544.96	99.15

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.00535	.00021	-.00005	-.00004	-.00109	-.00378
SDev	.00136	.00023	.00015	.00051	.00013	.00485
%RSD	25.581	108.94	289.03	1044.1	12.727	128.35

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.01350	-.00075	-.00005	.00035	.0714	.00008
SDev	.01316	.00238	.00007	.00028	.043	.0004
%RSD	97.524	317.81	126.65	80.171	60.19	491.41

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00169	-.00188	-.00042	-.00040	.00184	.00112
SDev	.00173	.00194	.00115	.00063	.00108	.00175
%RSD	102.15	102.92	270.94	156.1	58.668	155.33

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00275	.00115	-.00147	.0010	.0000	.00030
SDev	.00135	.00159	.00064	.0016	0	0
%RSD	48.996	137.92	43.664	163.8	60.84	.90528

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00050	-.00006	-.00009
SDev	.00329	.00019	.00006
%RSD	654.01	325.61	67.634

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Method: ICAPNC Sample Name: MP10445-MB1 Operator:
Run Time: 10/18/09 03:29 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00004	-.00664	.00036	.00259	.00003	.00005
SDev	.00019	.00157	.00054	.00053	.00006	.00002
%RSD	447.62	23.707	146.73	20.508	174.85	45.432

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.00600	.00003	.00010	-.00036	-.00094	-.00194
SDev	.00023	.00013	.0002	.00015	.00017	.0028
%RSD	3.987	391.47	203.31	43.054	18.47	143.99

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.01309	.00084	-.00008	.00007	.0593	-.00029
SDev	.00273	.00148	.00004	.0005	.0624	.00015
%RSD	20.892	175.62	49.408	653.31	105.2	53.726

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00081	-.00066	.00009	-.00090	.00174	.00166
SDev	.00058	.00218	.0016	.00213	.00044	.00045
%RSD	71.341	326.85	1699.9	235.63	25.629	27.373

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00135	-.00047	-.00141	-.0001	.0000	.00018
SDev	.00069	.00416	.00129	.0005	0	.0001
%RSD	51.302	884.45	91.476	461.1	40.06	55.222

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00064	.00032	-.00007
SDev	.0011	.00009	.00005
%RSD	170.88	29.95	66.905

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Method: ICAPNC Sample Name: MP10445-B1 Operator:
Run Time: 10/18/09 03:35 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.40369	52.993	.42202	1.0604	.42165	.42909
SDev	.00115	.1639	.00254	.00479	.00101	.00203
%RSD	.28556	.30929	.60339	.45231	.24042	.47383

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	52.435	.41107	.40482	.40697	.41198	51.480
SDev	.28572	.00208	.00181	.00232	.00073	.25463
%RSD	.54491	.50804	.44898	.57134	.17825	.49461

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	51.903	52.201	.42325	.41915	51.60	.41226
SDev	.12978	.24469	.00185	.00337	.3116	.00212
%RSD	.25005	.46876	.43858	.80573	.6039	.51513

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.37451	.42940	.41139	.42818	.41617	.41742
SDev	.00232	.00225	.00211	.00337	.01452	.01781
%RSD	.62128	.52422	.51312	.78862	3.4893	4.2681

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.41326	.42826	.42796	.4016	.3521	.43566
SDev	.00813	.0044	.00322	.0035	.0009	.00191
%RSD	1.9681	1.0292	.75324	.8635	.2684	.43886

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.39470	.41479	.42775
SDev	.01782	.00154	.00186
%RSD	4.5167	.37129	.43593

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Method: ICAPNC Sample Name: T39513-1 Operator:
Run Time: 10/18/09 03:42 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00065	1.9816	.05526	1.7591	.23320	-.00016
SDev	.00034	.00376	.0006	.00174	.00014	.00001
%RSD	53.108	.19012	1.0973	.09896	.06352	6.724

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	454.07	.00111	.00363	.00536	.00474	25.407
SDev	2.7834	.00041	.00052	.00141	.00008	.13375
%RSD	.61298	37.269	14.573	26.329	1.7204	.52642

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H220.81	H1847.1	.30617	.02983	H3308.	.01329
SDev	.52092	9.4883	.00085	.00048	.2864	.00065
%RSD	.23591	.51367	.28005	1.6381	.0087	4.916

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.01187	.01498	.00635	.00287	.01444	.02029
SDev	.00118	.00049	.00024	.00191	.00291	.00426
%RSD	9.9406	3.3243	3.8132	66.72	20.147	21.026

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00339	-.00704	.00834	.0062	H16.84	.04977
SDev	.0039	.00131	.00337	.0008	.022	.0002
%RSD	114.96	18.681	40.45	12.09	.1307	.40229

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00693	.00713	.00626
SDev	.00373	.00057	.00005
%RSD	53.887	8.0249	.84585

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Method: ICAPNC Sample Name: MP10445-D1 Operator:
Run Time: 10/18/09 03:48 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00063	1.6819	.04788	1.6606	.17686	-.00011
SDev	.00049	.00438	.00101	.0006	.00015	0
%RSD	77.854	.26089	2.1102	.03627	.0849	6.0299

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	435.02	.00092	.00370	.00504	.00307	23.938
SDev	.20169	.00014	.00032	.00081	.00017	.03186
%RSD	.04636	16.122	8.9024	16.153	5.7586	.13313

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H206.13	H1785.2	.29269	.02744	H3211.	.01164
SDev	.16864	2.1467	.00036	.00076	1.323	.00087
%RSD	.08181	.12024	.12505	2.7725	.0412	7.4836

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.01328	.01505	.00591	.00140	.01128	.01771
SDev	.00133	.00185	.00148	.00164	.00167	.00261
%RSD	10.056	12.304	25.14	117.01	14.804	14.792

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00097	-.01122	.00821	.0045	H15.89	.04325
SDev	.00097	.00346	.00148	.0016	.0082	.00107
%RSD	99.785	30.851	18.078	36.58	.0515	2.4934

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00592	.00654	.00576
SDev	.00125	.00049	.00017
%RSD	21.153	7.5538	2.9918

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Method: ICAPNC Sample Name: MP10445-SD1 Operator:
Run Time: 10/18/09 03:55 Filename: R101709
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00041	1.8896	.05207	1.6962	.23347	-.00060
SDev	.00104	.02262	.00381	.00834	.00043	.00007
%RSD	251.99	1.1974	7.3315	.49178	.18705	12.534

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	465.04	.00053	.00418	.00333	.00382	25.952
SDev	.4483	.00046	.00132	.00197	.00089	.04516
%RSD	.0964	86.546	31.736	59.323	23.457	.17403

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H177.53	H2148.3	.31179	.03013	H5865.	.01420
SDev	.35927	2.4178	.00021	.00452	4.622	.00065
%RSD	.20237	.11254	.07022	15.029	.0788	4.5822

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.01314	.01879	.00966	-.00359	.01154	.01655
SDev	.00909	.0104	.00936	.00197	.00665	.00949
%RSD	69.152	55.354	96.909	54.85	57.654	57.342

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00001	-.01411	.00107	-.0049	H12.86	.05221
SDev	.00743	.0055	.0048	.0096	.0226	.00155
%RSD	48098	39.027	446.73	196	.1759	2.9742

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.01208	.00813	.01794
SDev	.0049	.00138	.00038
%RSD	40.586	16.996	2.1587

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Method: ICAPNC Sample Name: MP10445-S1 Operator:
Run Time: 10/18/09 04:01 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.19560	61.907	.53325	2.8057	.58021	.39762
SDev	.00111	.09261	.00041	.00815	.00101	.00057
%RSD	.56853	.1496	.07836	.2908	.17515	.1441

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	484.83	.39295	.39354	.39750	.49194	73.583
SDev	1.3427	.00069	.00101	.00191	.00167	.17981
%RSD	.27694	.17661	.25785	.48093	.34138	.24436

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H291.01	H1818.3	.71227	.46825	H3255.	.39524
SDev	1.9163	3.817	.00101	.00509	8.661	.00107
%RSD	.65847	.20992	.14266	1.0873	.2661	.27105

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.35753	.43070	.40667	.56209	.47605	.48238
SDev	.00218	.00418	.00234	.00216	.01206	.01535
%RSD	.61227	.97125	.57715	.38575	2.5346	3.184

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.46407	.55184	.56777	.4305	H16.69	.47344
SDev	.00549	.00194	.00413	.0004	.007	.00082
%RSD	1.1849	.35178	.72744	.1042	.0419	.17438

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.37920	.42197	.49187
SDev	.01914	.00024	.0005
%RSD	5.048	.05707	.10185

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Method: ICAPNC Sample Name: MP10445-S2 Operator:
Run Time: 10/18/09 04:08 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.18752	53.401	.47061	2.5014	.51395	.35060
SDev	.00025	.12293	.00253	.00583	.0009	.00139
%RSD	.13492	.23021	.53794	.2332	.17624	.39927

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	427.72	.35511	.34736	.35016	.42663	64.932
SDev	2.2496	.00128	.00121	.00136	.00127	.29789
%RSD	.52595	.36261	.35099	.39081	.29783	.45879

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H251.11	H1627.6	.62645	.41420	H3034.	.35106
SDev	1.383	8.0528	.0024	.00497	9.976	.00092
%RSD	.55076	.49477	.38328	1.2015	.3288	.26314

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.32041	.38647	.36474	.49667	.42072	.42717
SDev	.0016	.0053	.00339	.00145	.00984	.01316
%RSD	.49944	1.3722	.92963	.29382	2.3408	3.0821

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.40841	.48978	.50059	.3834	H14.34	.41519
SDev	.00407	.00583	.00161	.0031	.0195	.00156
%RSD	.99887	1.1922	.32163	.8187	.1357	.37744

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.34813	.37205	.43064
SDev	.01513	.00075	.00143
%RSD	4.3484	.20383	.33384

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Method: ICAPNC Sample Name: T39209-1 Operator:
Run Time: 10/18/09 04:14 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00016	.01531	L-.00547	.07989	.03555	-.00005
SDev	.00012	.0032	.0005	.00131	.00004	.00001
%RSD	74.864	20.893	9.2084	1.6472	.12447	25.308

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	83.377	-.00013	.00000	13.962	.00371	.01951
SDev	.06953	.00002	.00014	.0128	.00017	.00353
%RSD	.08339	20.187	1701.6	.09171	4.6793	18.092

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.61475	62.946	.00513	.00270	H547.1	.00090
SDev	.00301	.04885	.00012	.00048	1.223	.0003
%RSD	.48997	.07761	2.5292	18.128	.2236	33.698

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00062	-.00110	-.00024	-.00007	.00133	-.00186
SDev	.00143	.00121	.00102	.00064	.00207	.00254
%RSD	229.29	110.18	410.91	832.16	155.01	136.75

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00723	.00022	-.00046	-.0016	.8337	.00020
SDev	.0015	.00297	.0014	.0008	.0013	.00027
%RSD	20.861	1306.6	302.85	50.27	.1612	138.15

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00081	.00487	-.00772
SDev	.00285	.00009	.00009
%RSD	349.71	2.0487	1.2897

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Analysis Report Averages 10/26/09 08:46:17 AM page 153

Method: ICAPNC Sample Name: T39209-2 Operator:
Run Time: 10/18/09 04:21 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00005	.04521	.00115	.12732	.01403	-.00003
SDev	.00015	.00016	.00108	.00135	.00001	.00002
%RSD	276.31	.35888	93.816	1.0647	.10524	63.503

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	28.230	-.00001	.00008	.00029	.00066	.02050
SDev	.04427	.00018	.00002	.00014	.00011	.00545
%RSD	.15683	1300.4	35.103	49.312	17.807	26.598

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.37506	19.117	.01534	.00472	197.0	.00054
SDev	.00559	.01756	.00004	.00064	.1652	.00051
%RSD	1.4922	.0919	.30584	13.628	.0839	95.687

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00215	-.00040	.00069	-.00051	.00267	.00318
SDev	.00098	.00073	.00079	.00066	.00136	.00148
%RSD	46.02	182.74	113.66	127.31	51.199	46.518

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00111	-.00519	.00153	-.0002	.2567	.00084
SDev	.00154	.00343	.00109	.0007	.0003	.00027
%RSD	138.39	66.028	70.885	287.9	.1341	32.316

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00399	.00228	.00453
SDev	.00075	.00016	.0001
%RSD	18.842	7.1099	2.3861

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Method: ICAPNC Sample Name: T39209-3 Operator:
Run Time: 10/18/09 04:27 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00017	.01936	.00017	.15604	.01986	-.00008
SDev	.00055	.00239	.00113	.00158	.00003	.00001
%RSD	316.43	12.378	630.1	1.0159	.15332	12.261

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	72.024	-.00016	.00005	-.00007	.00025	-.00860
SDev	.20904	.00017	.00018	.00043	.00008	.00498
%RSD	.29024	107.76	333.9	549.91	32.731	57.92

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.27974	53.620	.01443	.00159	H396.7	.00053
SDev	.00604	.12064	.00006	.00032	.8059	.00033
%RSD	2.1606	.22499	.47335	20.246	.2031	62.555

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00190	-.00063	.00047	.00013	.00167	.00146
SDev	.0008	.00069	.00019	.00109	.00165	.00181
%RSD	41.98	108.78	40.919	787.61	99.01	123.89

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00156	-.00412	.00201	.0004	.7133	.00038
SDev	.00133	.00208	.00153	.0021	.0005	0
%RSD	84.923	50.515	75.827	489.7	.0703	1.0255

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00460	.00395	.00155
SDev	.00108	.00014	.00008
%RSD	23.664	3.7208	5.1889

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/18/09 04:35 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.26229	41.418	2.0885	2.1011	2.1002	2.1225
SDev	.0004	.14653	.00831	.00256	.00026	.00212
%RSD	.15288	.35379	.39801	.12214	.01261	.10011

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	42.093	2.0901	2.0667	2.0754	2.0601	41.547
SDev	.06212	.00244	.00237	.00221	.00263	.05831
%RSD	.14758	.11681	.11512	.10649	.12784	.14035

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	41.988	41.577	2.0727	2.0723	41.03	2.0806
SDev	.05561	.03939	.00221	.02186	.2206	.00121
%RSD	.13246	.09474	.10695	1.0553	.5378	.05832

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	2.0560	2.1053	2.0890	2.0882	2.0693	2.0567
SDev	.00465	.01079	.00569	.00411	.11018	.14241
%RSD	.22627	.51283	.2725	.19686	5.3246	6.9248

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0942	2.0955	2.0843	2.022	1.931	2.0807
SDev	.04603	.00398	.00676	.0116	.0005	.00431
%RSD	2.1984	.18995	.32462	.5754	.0267	.20739

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	2.0541	2.0793	2.1042
SDev	.0224	.00268	.00087
%RSD	1.0907	.12901	.04143

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/18/09 04:49 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00011	.00301	.00127	.00324	.00004	.00002
SDev	.00027	.00105	.00049	.00039	.00002	.00001
%RSD	239.71	35	38.963	12.302	51.569	57.089

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.00364	.00002	.00003	-.00048	-.00077	-.00418
SDev	.00091	.00006	.0004	.0002	.00003	.00622
%RSD	25.138	257.03	1332.5	43.059	4.6325	148.89

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.01253	.00209	-.00010	.00046	.0369	-.00027
SDev	.0028	.00251	.00001	.00026	.0127	.00038
%RSD	22.351	119.93	10.511	57.546	34.5	138.54

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00077	-.00054	.00014	-.00084	.00196	.00083
SDev	.00097	.00094	.00031	.00089	.00045	.00027
%RSD	124.58	173.77	213.38	105.26	23.223	33.188

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00370	-.00034	-.00136	-.0011	.0001	.00047
SDev	.00088	.0022	.00107	.0008	0	.00017
%RSD	23.787	642.39	78.757	74.87	20.49	36.964

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00137	.00026	-.00014
SDev	.00075	.00024	.00009
%RSD	54.663	93.273	66.038

Zoom In
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Analysis Report Averages 10/26/09 08:46:17 AM page 157

Method: ICAPNC Sample Name: T39209-4 Operator:
Run Time: 10/18/09 04:55 Filename: R101709
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00039	.02407	L-.05229	.10859	.03842	-.00034
SDev	.00024	.00124	.00073	.00016	.00002	.00004
%RSD	62.133	5.1873	1.397	.15261	.05711	11.769

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	64.719	-.00014	.00089	H73.909	.00118	.08531
SDev	.25873	.00006	.00018	.29645	.00017	.00366
%RSD	.39978	45.688	20.616	.4011	15.06	4.2984

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.30165	50.361	-.00526	-.00127	H379.3	-.00007
SDev	.00596	.15751	.00057	.00032	1.689	.00006
%RSD	1.976	.31276	10.972	25.565	.4453	97.958

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00314	-.00226	-.00018	.00003	.00033	-.01545
SDev	.00205	.00102	.00026	.00234	.00423	.00789
%RSD	65.171	45.224	137.97	6978.5	1272.8	51.113

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.03143	.00718	-.00377	-.0033	.6569	-.00148
SDev	.00325	.00239	.00234	.001	.0009	.00008
%RSD	10.367	33.411	62.062	30.33	.1339	5.6052

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00198	.00568	L-.04573
SDev	.00288	.00012	.00023
%RSD	145.29	2.1955	.50891

NOTE: The remaining raw data for this batch is not relevant to this job. As such it has been omitted.

Zoom In ▶
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Method: ICAPNC Sample Name: STDA Operator:
Run Time: 10/19/09 09:50 Filename: R101909
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	count	count	count	count	count	count
Avge	-.00048	.0195	.0004	.02714	.00079	-.00747
SDev	.00021	.00007	.00089	.00044	.00003	.00003
%RSD	43.6803	.37072	219.846	1.65619	4.98125	.49122

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	count	count	count	count	count	count
Avge	.021	-.00045	-.00035	.00031	.02075	-.00046
SDev	.00005	.00074	.00018	.00007	.00041	.00014
%RSD	.24392	162.66	52.7138	23.1051	1.99388	30.7953

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	count	count	count	count	count	count
Avge	.00441	.00115	.00136	.00033	.00001	.02026
SDev	.00002	.00022	.00002	.00034	.00016	.00028
%RSD	.52182	19.7836	2.08657	100.455	1041.71	1.41786

Elems	2203-1	2203-2	2068-1	2068-2	1960-1	1960-2
Units	count	count	count	count	count	count
Avge	.00668	.00004	-.00022	.00046	-.0039	.00341
SDev	.00249	.00128	.00115	.0007	.00038	.00047
%RSD	37.2725	3169.77	520.146	150.628	9.9011	13.9132

Elems	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2138
Units	count	count	count	count	count	count
Avge	.00146	.08359	-.00008	-.00418	-.00001	.00008
SDev	.00464	.00117	.00001	.00059	.00003	.00007
%RSD	316.632	1.40836	16.2953	14.3244	227.083	87.7446

◀ Zoom In ▶
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Analysis Report Averages 10/26/09 08:41:17 AM page 2

Method: ICAPNC Sample Name: STDC Operator:
Run Time: 10/19/09 09:57 Filename: R101909
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	2068-1	2068-2
Units	count	count	count
Avge	.64007	3.7377	3.34762
SDev	.00192	.28403	.08218
%RSD	.30027	7.59909	2.45496

Zoom In ▶
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Analysis Report Averages 10/26/09 08:41:17 AM page 3

Method: ICAPNC Sample Name: STDE Operator:
Run Time: 10/19/09 10:02 Filename: R101909
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Al3082	Ca3179	Fe2714	K_7664	Mg2790	Na3302
Units	count	count	count	count	count	count
Avge	2.99773	5.68609	1.82048	.23286	6.82105	.327
SDev	.02056	.02342	.01161	.00076	.03783	.00168
%RSD	.68609	.41188	.63811	.32946	.55463	.51461

◀ Zoom In ▶
Zoom Out

Analysis Report Averages 10/26/09 08:41:17 AM page 4

Method: ICAPNC Sample Name: STDB Operator:
Run Time: 10/19/09 10:07 Filename: R101909
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	As1890	B_2496	Ba4934	Be3130	Cd2265	Co2286
Units	count	count	count	count	count	count
Avge	2.53679	3.39823	4.18214	10.2459	17.5853	3.39821
SDev	.00944	.02284	.02278	.06368	.1018	.02279
%RSD	.3722	.67236	.54489	.6216	.5789	.67093

Elems	Cr2677	Cu3247	Mn2576	Mo2020	Ni2316	2203-1
Units	count	count	count	count	count	count
Avge	1.56487	11.134	15.5608	1.77384	6.60359	5.64251
SDev	.01093	.07153	.10849	.02342	.03572	.03039
%RSD	.69855	.64249	.69723	1.32036	.54102	.53869

Elems	2203-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units	count	count	count	count	count	count
Avge	7.4128	1.49781	1.84174	10.1377	270.626	.53106
SDev	.07026	.0073	.01206	.07207	1.34086	.00313
%RSD	.9479	.48784	.6553	.71092	.49546	.58963

Elems	Tl1908	Zn2138
Units	count	count
Avge	1.43441	3.68824
SDev	.00958	.02208
%RSD	.66816	.59883

Zoom In Zoom Out

Analysis Report Averages 10/26/09 08:41:17 AM page 5

Method: ICAPNC Sample Name: STDD Operator:
Run Time: 10/19/09 10:14 Filename: R101909
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	V_2924
Units	count
Avge	1.43148
SDev	.05097
%RSD	3.56098

Zoom In Zoom Out

Analysis Report Averages 10/26/09 08:41:17 AM page 6

Method: ICAPNC Sample Name: HSTD Operator:
Run Time: 10/19/09 11:19 Filename: R101909
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.49992	80.172	4.0141	3.9925	3.9883	3.9169
SDev	.00185	.21221	.01458	.0204	.01912	.01889
%RSD	.37114	.2647	.36342	.51101	.47952	.48248

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	80.409	3.8729	3.8877	3.8852	4.0349	80.006
SDev	.32175	.01741	.01638	.01587	.01758	.34033
%RSD	.40015	.4496	.42138	.40861	.4359	.42538

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	79.132	80.236	3.9008	3.9846	80.15	3.8949
SDev	.33574	.35137	.01737	.01614	.2021	.01684
%RSD	.42428	.43792	.44532	.40511	.2521	.43253

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	3.8493	3.9534	3.9190	4.0423	4.1861	4.2251
SDev	.01855	.01108	.01303	.01417	.07092	.09825
%RSD	.48215	.28036	.33261	.35057	1.6944	2.3254

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	4.1077	4.0354	4.0456	3.900	3.953	3.9428
SDev	.01882	.02017	.01298	.0118	.0181	.01502
%RSD	.45835	.49986	.3209	.3013	.4587	.38094

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	4.0313	3.9745	3.9001
SDev	.06781	.01488	.0187
%RSD	1.6822	.37453	.47972

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Method: ICAPNC Sample Name: ICV Operator:
Run Time: 10/19/09 11:26 Filename: R101909
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.50387	4.9977	1.0016	.99165	1.0090	1.0118
SDev	.00294	.02853	.00253	.00632	.00552	.00444
%RSD	.58391	.571	.25277	.63799	.54737	.43918

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	4.9607	1.0021	.99195	.99125	.99127	4.9788
SDev	.02442	.00393	.00481	.00439	.00552	.01753
%RSD	.4924	.39317	.485	.44379	.55687	.35218

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	4.9803	4.9494	.99419	1.0115	5.021	1.0008
SDev	.03693	.02262	.00439	.00722	.0289	.00537
%RSD	.74171	.45714	.44201	.71445	.5747	.53698

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.98971	1.0007	.99730	1.0105	1.0419	1.0484
SDev	.00481	.00538	.0051	.00045	.03361	.04447
%RSD	.48606	.53822	.51212	.04546	3.2266	4.242

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	1.0284	1.0120	1.0095	.9970	L.9030	1.0079
SDev	.01202	.00135	.00129	.0065	.0047	.00491
%RSD	1.1688	.13399	.12806	.652	.5221	.48773

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.99311	1.0146	1.0310
SDev	.00832	.00431	.00489
%RSD	.83821	.42521	.47435

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Method: ICAPNC Sample Name: ICB Operator:
Run Time: 10/19/09 11:42 Filename: R101909
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00013	.00668	-.00066	.00340	.00002	.00004
SDev	.00035	.00127	.00084	.00067	.00003	.00001
%RSD	262.28	19.152	127.27	19.788	173.87	37.071

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.02218	.00006	.00040	-.00034	.00002	.00426
SDev	.00154	.00011	.00026	.00029	.00022	.00052
%RSD	6.9613	183.64	65.17	85.936	1093.5	12.279

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.02887	.00157	-.00004	.00099	-.0012	.00014
SDev	.00017	.00102	.00002	.00024	.0398	.00043
%RSD	.61484	64.692	48.987	24.641	3299	291.98

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00014	-.00056	-.00017	-.00082	.00410	.00404
SDev	.00072	.00081	.00074	.00171	.00081	.00136
%RSD	497.17	145.53	430.4	207.1	19.738	33.739

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00368	-.00165	-.00069	-.0015	.0001	.00022
SDev	.00072	.00158	.00228	.001	0	.0001
%RSD	19.725	95.676	327.62	67.93	16.62	43.92

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00040	.00028	-.00010
SDev	.00252	.00022	.00003
%RSD	629.42	79.679	36.117

Zoom In
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Method: ICAPNC Sample Name: CRI Operator:
Run Time: 10/19/09 11:49 Filename: R101909
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.01021	.21631	.00415	.11060	.21603	.00506
SDev	.00014	.00612	.0007	.0003	.00036	.00003
%RSD	1.4076	2.8322	16.888	.27436	.16733	.60943

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	5.0611	.00408	.05085	.00978	.02611	.10405
SDev	.00534	.0001	.00034	.00021	.00019	.00302
%RSD	.10554	2.6507	.67436	2.1919	.75189	2.9043

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	5.0874	5.1241	.01574	.01124	5.062	.04047
SDev	.01987	.00874	.00006	.00016	.0304	.00017
%RSD	.39069	.17071	.43814	1.4489	.6003	.43057

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00273	.00253	.00282	.00433	H.00979	.00972
SDev	.00065	.00141	.00097	.0002	.00166	.00281
%RSD	24.053	56.051	34.578	4.6243	17.031	28.97

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00941	.00371	.00437	.0193	.0181	.02109
SDev	.00064	.00266	.00104	.0009	0	.00016
%RSD	6.8082	71.722	23.925	4.483	.1043	.76566

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00902	.05091	.02981
SDev	.00059	.00034	.00007
%RSD	6.564	.67243	.2446

Zoom In
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Method: ICAPNC Sample Name: ICSA Operator:
Run Time: 10/19/09 11:55 Filename: R101909
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00341	505.67	-.00026	-.05693	.00194	-.00018
SDev	.00045	2.4324	.00186	.00223	.00004	.00001
%RSD	13.431	.48101	713.11	3.9302	2.0791	8.5512

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	519.71	-.00021	-.00098	.00696	-.00457	199.70
SDev	2.8506	.00023	.00016	.00078	.00006	.7459
%RSD	.5485	106.59	17.139	11.321	1.4893	.3735

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.82304	523.78	-.00010	.01924	.0618	.00080
SDev	.01112	1.8142	.00097	.0002	.0724	.00028
%RSD	1.3511	.34637	904.18	1.0622	117	35.021

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.21946	.10266	-.00430	-.00086	.00597	.02149
SDev	.00082	.00149	.00075	.00262	.00144	.00277
%RSD	.37416	1.4603	17.458	302.45	24.107	12.912

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02496	-.02153	.00970	-.0073	.0003	.00238
SDev	.00124	.00601	.00657	.0077	0	.00011
%RSD	4.9759	27.916	67.756	104.6	1.694	4.9239

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00806	-.00106	-.00160
SDev	.00644	.00021	.00005
%RSD	79.937	20.266	3.5792

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Method: ICAPNC Sample Name: ICSAB Operator:
Run Time: 10/19/09 12:02 Filename: R101909
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	1.0595	504.64	.52299	-.06013	.53125	.49173
SDev	.00321	1.7659	.0008	.00143	.00127	.0014
%RSD	.30364	.34992	.15456	2.3879	.24061	.28504

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	508.46	.93547	.48409	.48880	.53595	198.37
SDev	1.8224	.00251	.00062	.00194	.00151	.62845
%RSD	.35841	.2685	.12942	.39875	.28318	.31681

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.77943	516.15	.49896	.52244	.0878	.90057
SDev	.00988	1.65	.00191	.00591	.0533	.0018
%RSD	1.2686	.31967	.38379	1.1313	60.69	.20084

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.26253	.59792	.48653	.51345	1.0346	1.0570
SDev	.0044	.00141	.00218	.00452	.04348	.05322
%RSD	1.6773	.23603	.45	.88093	4.2026	5.0357

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.99005	.50041	.52020	-.0088	.0004	.00221
SDev	.02461	.00617	.00385	.0093	0	.0001
%RSD	2.4859	1.2345	.74079	105.8	3.478	4.5442

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.47146	.50098	1.0478
SDev	.02471	.00119	.0027
%RSD	5.2413	.23948	.25825

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Analysis Report Averages 10/26/09 08:41:17 AM page 12

Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/19/09 12:10 Filename: R101909
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.24841	39.708	1.9981	2.0001	2.0004	1.9943
SDev	.0011	.29364	.00701	.00623	.00782	.00633
%RSD	.44505	.73952	.3509	.31183	.39112	.3178

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	40.034	1.9610	1.9530	1.9580	1.9811	39.863
SDev	.17697	.0068	.0076	.00783	.01075	.17453
%RSD	.44206	.3469	.38943	.40036	.54296	.43784

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	40.452	39.775	1.9587	1.9824	39.24	1.9576
SDev	.24674	.17162	.008	.02143	.3176	.00741
%RSD	.60996	.43148	.40861	1.0812	.8095	.37887

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9287	1.9965	1.9742	2.0241	2.0302	2.0426
SDev	.00373	.00398	.00305	.00506	.09335	.12071
%RSD	.1934	.19982	.15496	.25028	4.5983	5.9101

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0049	2.0111	2.0303	1.954	1.832	1.9738
SDev	.0386	.00228	.00822	.0049	.0074	.0087
%RSD	1.9253	.11372	.40524	.2519	.4065	.44083

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9525	1.9933	2.0137
SDev	.04206	.00742	.00697
%RSD	2.1544	.37254	.34643

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/19/09 12:23 Filename: R101909
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00007	.00192	-.00068	.00258	.00002	.00008
SDev	.00021	.00213	.00022	.00026	.00002	.00001
%RSD	297.43	110.88	33.325	10.329	122.63	15.479

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.02314	.00000	.00020	-.00061	.00010	.00400
SDev	.00086	.00008	.00014	.00038	.00017	.00289
%RSD	3.7361	52747	71.768	61.804	164.73	72.24

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.02945	.00174	.00000	.00096	-.0359	-.00018
SDev	.01149	.0019	.00003	.00024	.0236	.00041
%RSD	39.026	109.04	613.82	25.267	65.78	229.05

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00037	-.00044	-.00018	.00091	.00430	.00420
SDev	.0002	.00089	.00058	.00169	.0011	.00182
%RSD	54.605	198.58	317.58	185.04	25.621	43.298

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00396	.00097	.00059	-.0019	.0001	.00022
SDev	.00075	.00261	.00189	.0008	0	.00009
%RSD	19.146	268.83	318.79	45.27	10.35	41.83

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00055	.00019	-.00010
SDev	.00122	.00022	.00002
%RSD	220.55	113.62	28.996

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Method: ICAPNC Sample Name: T39524-1 Operator:
Run Time: 10/19/09 12:30 Filename: R101909
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00197	1.9424	.00591	.11788	.15304	.00024
SDev	.00162	.00714	.00137	.00482	.00015	.0001
%RSD	82.304	.36761	23.276	4.0947	.10308	42.045

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	130.65	.00049	.03317	.01934	.27916	4.7386
SDev	.26081	.00041	.00151	.00095	.00107	.02233
%RSD	.19962	84.242	4.5784	4.936	.38419	.47127

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H296.67	38.108	1.7984	.01455	H347.5	.01413
SDev	.99077	.10433	.00172	.00094	.436	.00183
%RSD	.33396	.27378	.09611	6.4784	.1255	13.005

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00110	.00095	.00137	.01002	.02398	.02829
SDev	.00604	.0069	.00369	.00634	.00467	.00861
%RSD	547.42	723.03	269.48	63.234	19.499	30.45

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.01264	.00296	.01225	.0059	.5596	.21541
SDev	.00569	.00524	.00756	.006	.0005	.00058
%RSD	45.074	176.99	61.682	100.7	.0919	.27342

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.01594	.04417	1.4561
SDev	.00621	.001	.00144
%RSD	38.954	2.2643	.09949

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Method: ICAPNC Sample Name: T37840-1R Operator:
Run Time: 10/19/09 12:36 Filename: R101909
Mode: CONC Type: S Corr. Factor: 200.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.07023	143.98	.14378	40.667	H154.85	.02125
SDev	.00357	.85851	.26333	.41244	.36132	.0064
%RSD	5.085	.59625	183.14	1.0142	.23333	30.124

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H2990.7	.01303	.13800	1.7656	28.975	H1363.4
SDev	15.924	.02524	.01382	.03232	.09875	6.6866
%RSD	.53244	193.69	10.016	1.8307	.34084	.49043

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H174.89	888.56	15.561	.69718	H24360.	.90688
SDev	1.7735	2.9816	.06705	.09899	147.8	.0201
%RSD	1.014	.33555	.4309	14.199	.6069	2.2166

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.24152	1.6546	1.2330	.05025	.52638	.81278
SDev	.34343	.24014	.21961	.07525	.15457	.26124
%RSD	142.19	14.514	17.811	149.73	29.365	32.142

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.15457	-.25556	.14837	.0880	H141.7	5.6894
SDev	.0699	.30141	.09548	.2187	.1536	.02364
%RSD	45.223	117.94	64.352	248.5	.2538	.41564

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.03135	.26259	H295.39
SDev	.31708	.07025	1.1096
%RSD	1011.4	26.753	.37562

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Method: ICAPNC Sample Name: T37840-2R Operator:
Run Time: 10/19/09 12:43 Filename: R101909
Mode: CONC Type: S Corr. Factor: 200.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00219	83.804	L-.06362	30.685	H42.033	.00893
SDev	.05196	1.5304	.0812	.19857	.17022	.00523
%RSD	2365.1	1.8262	127.62	.64715	.40499	58.6

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H2296.5	.00670	.18030	2.5820	4.7160	532.88
SDev	8.8354	.01832	.04711	.0309	.04447	3.2835
%RSD	.38473	273.34	26.133	1.1968	.9431	.61617

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H225.10	416.59	8.9977	.53759	H24560.	.67327
SDev	1.5578	2.5892	.04069	.06184	105.6	.11267
%RSD	.69204	.62151	.45223	11.505	.4301	16.735

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.66124	.84609	.83017	L-.01730	.53835	.39644
SDev	.17085	.38902	.21644	.26417	.13542	.16313
%RSD	25.839	45.979	26.073	1526.9	25.155	41.149

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.71419	-.43562	.13610	L-.0404	H127.6	3.1484
SDev	.08785	.73633	.40303	.2156	.5832	.06067
%RSD	12.302	169.03	296.13	533	.457	1.9272

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.12798	.20521	H10.145
SDev	.65428	.01508	.05125
%RSD	511.23	7.3521	.50518

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Method: ICAPNC Sample Name: T37840-3R Operator:
Run Time: 10/19/09 12:49 Filename: R101909
Mode: CONC Type: S Corr. Factor: 100.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.02354	5.0514	L-.14748	6.4994	2.3308	.00735
SDev	.02998	.28007	.1201	.06861	.00667	.00203
%RSD	127.34	5.5444	81.436	1.0557	.2865	27.604

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	396.37	.01150	.04236	1.6177	1.1008	212.47
SDev	2.0915	.0005	.03578	.01932	.01852	1.8184
%RSD	.52766	4.3834	84.474	1.1948	1.6825	.85582

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	35.237	88.212	3.0204	.56186	H6385.	2.3728
SDev	.90879	.68491	.01242	.05979	55.19	.07776
%RSD	2.5791	.77644	.41142	10.642	.8644	3.2773

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.09491	.10645	.12545	L-.09153	.18112	.21874
SDev	.18572	.07763	.0802	.06254	.02613	.02478
%RSD	195.67	72.935	63.929	68.328	14.429	11.332

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.05130	-.11535	-.10664	L-.1108	H24.25	.07193
SDev	.03101	.1892	.15249	.0334	.0518	.01986
%RSD	60.452	164.02	143	30.14	.2138	27.61

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00170	.10895	6.0848
SDev	.05215	.01132	.01957
%RSD	3062.7	10.39	.32165

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Method: ICAPNC Sample Name: T37840-4R Operator:
Run Time: 10/19/09 12:56 Filename: R101909
Mode: CONC Type: S Corr. Factor: 200.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.01025	11.899	L-.07923	28.751	H74.609	-.00269
SDev	.02231	.38376	.16535	.04199	.08612	.00207
%RSD	217.65	3.2251	208.69	.14604	.11542	77.049

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H2177.2	-.00175	.05836	.19012	.94068	104.26
SDev	1.9672	.01614	.07174	.05997	.06412	.75236
%RSD	.09035	921.45	122.92	31.547	6.8164	.72163

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H150.00	590.67	2.6806	.09674	H21080.	.16164
SDev	.18572	.5078	.00536	.10555	69.32	.03925
%RSD	.12381	.08597	.2003	109.1	.3289	24.283

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00392	.22798	.19656	.02424	.35807	.44400
SDev	.42758	.13259	.15315	.27304	.24926	.39552
%RSD	10899	58.161	77.913	1126.4	69.614	89.08

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.07648	-.17508	.06996	L-.0687	H110.7	.26030
SDev	.07445	.50039	.18262	.2716	.1393	.07179
%RSD	97.338	285.8	261.01	395.4	.1259	27.582

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.37259	.05658	5.8029
SDev	.15841	.03895	.00484
%RSD	42.516	68.85	.08343

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Method: ICAPNC Sample Name: T37840-5R Operator:
Run Time: 10/19/09 13:02 Filename: R101909
Mode: CONC Type: S Corr. Factor: 200.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.16711	356.83	.41716	20.849	12.516	.02749
SDev	.05103	.78691	.16051	.04492	.03726	.0034
%RSD	30.54	.22053	38.478	.21546	.29769	12.396

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H6157.5	.11278	.26566	1.7123	34.990	H9199.2
SDev	23.422	.03136	.0147	.01621	.04757	28.592
%RSD	.38037	27.81	5.5356	.94681	.13598	.3108

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H263.78	H1115.4	H174.32	1.0548	H22950.	.89919
SDev	1.2947	3.0529	.58641	.05024	54.16	.0725
%RSD	.49083	.2737	.33639	4.7638	.236	8.0629

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	48.575	56.438	H53.874	L-.13253	.25747	.87302
SDev	.11591	.15097	.10065	.35376	.14386	.31354
%RSD	.23862	.26751	.18683	266.91	55.877	35.915

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-1.0688	-.82429	.16505	L-.2746	H256.9	1.6422
SDev	.24671	.28404	.60353	.1444	.469	.06351
%RSD	23.084	34.459	365.67	52.59	.1826	3.8676

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.14342	.68473	H88.820
SDev	.1879	.01643	.21265
%RSD	131.02	2.4004	.23941

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/19/09 13:10 Filename: R101909
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.24735	39.576	1.9898	1.9937	1.9967	1.9832
SDev	.00076	.17221	.00638	.00286	.00344	.00189
%RSD	.31025	.43515	.3208	.14349	.17275	.09556

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	40.110	1.9562	1.9463	1.9545	1.9722	39.736
SDev	.04063	.00131	.00263	.00182	.0059	.03592
%RSD	.10131	.06704	.13554	.09313	.2994	.09039

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	40.448	39.554	1.9523	1.9773	39.22	1.9559
SDev	.15045	.07163	.00239	.02343	.2249	.00304
%RSD	.37197	.1811	.12259	1.1854	.5733	.15572

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9251	1.9838	1.9645	2.0024	2.0173	2.0290
SDev	.00368	.00449	.00266	.00051	.08986	.11652
%RSD	.19127	.22643	.13553	.02554	4.4546	5.7433

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	1.9935	1.9926	2.0071	1.953	1.829	1.9718
SDev	.03647	.0087	.00359	.0098	.0028	.0041
%RSD	1.8295	.43691	.17905	.5032	.155	.20825

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9368	1.9878	2.0124
SDev	.04491	.00298	.00172
%RSD	2.3192	.1504	.0855

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/19/09 13:25 Filename: R101909
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00020	.00593	-.00108	.00234	-.00003	.00002
SDev	.00095	.00034	.00084	.0002	.00009	0
%RSD	463.6	5.7529	77.956	8.5881	281.1	33.916

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.02176	.00015	.00020	-.00034	-.00034	-.00341
SDev	.00044	.00033	.00027	.00062	.00006	.00612
%RSD	2.0579	221.25	135.61	179.66	19.354	179.25

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.02163	.00091	.00000	.00057	-.0377	.00042
SDev	.00263	.00501	.00008	.00013	.0679	.00073
%RSD	12.185	550.58	1037.9	23.845	180	173.03

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00050	-.00066	-.00038	-.00019	.00230	.00230
SDev	.00229	.00046	.00084	.00043	.00054	.0008
%RSD	451.66	70.521	220.16	230.6	23.458	34.844

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00175	-.00185	.00034	-.0008	.0001	.00005
SDev	.00184	.00322	.00149	.0013	0	.0001
%RSD	105.04	173.98	435.58	176.4	28.57	184.82

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00045	.00002	-.00019
SDev	.00129	.0003	.00012
%RSD	284.4	1180.3	63.37

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Method: ICAPNC Sample Name: T39317-5 Operator:
Run Time: 10/19/09 13:32 Filename: R101909
Mode: CONC Type: S Corr. Factor: 10.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00002	171.95	.03678	L-.21253	2.0581	.00922
SDev	.0055	.18826	.01222	.00397	.00606	.00004
%RSD	21903	.10948	33.23	1.8698	.29484	.46417

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H7880.6	.00818	.11003	.22185	.20689	225.70
SDev	39.863	.00068	.00274	.00241	.00258	.51495
%RSD	.50584	8.3593	2.4956	1.089	1.25	.22816

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	32.155	204.79	9.3600	.03528	4.793	.30239
SDev	.03227	.55988	.02454	.00486	.2277	.00586
%RSD	.10036	.27339	.26226	13.799	4.75	1.9388

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.06743	.34648	.25661	.05103	.05535	.08608
SDev	.01153	.0075	.00203	.01557	.00963	.01959
%RSD	17.107	2.1656	.79123	30.521	17.403	22.769

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.01128	-.04547	.09949	.0361	H29.24	.95394
SDev	.01605	.01535	.0285	.0331	.0846	.00182
%RSD	142.35	33.76	28.646	91.86	.2892	.19092

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.03211	.40466	.49520
SDev	.02489	.00086	.00128
%RSD	77.529	.21263	.26003

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Method: ICAPNC Sample Name: T39317-5 Operator:
Run Time: 10/19/09 13:39 Filename: R101909
Mode: CONC Type: S Corr. Factor: 10.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00104	.10251	L-.30832	.03698	.02790	-.00082
SDev	.00404	.02266	.04939	.01239	.00076	.00031
%RSD	387.66	22.11	16.02	33.509	2.7244	38.198

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	200.51	-.00066	.00678	H397.96	-.00048	.51591
SDev	.50359	.00023	.00218	7.1324	.00163	.01118
%RSD	.25115	35.825	32.141	1.7923	336.69	2.1685

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.86577	97.718	L-.04180	L-.02775	H409.8	.01008
SDev	.08444	.23256	.00701	.00535	2.565	.00593
%RSD	9.7542	.23799	16.786	19.276	.6258	58.804

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00501	-.00340	-.00141	-.00292	.00460	-.08917
SDev	.01209	.01113	.01035	.01185	.09612	.16636
%RSD	241.2	326.9	731.46	406.04	2088.9	186.56

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.18699	.03047	-.02246	L-.0389	1.359	L-.01340
SDev	.04962	.01614	.00989	.0076	.0023	.00216
%RSD	26.537	52.979	44.073	19.48	.171	16.169

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.01572	.02009	L-.22949
SDev	.01784	.00231	.00416
%RSD	113.51	11.537	1.815

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Method: ICAPNC Sample Name: T39317-6 Operator:
Run Time: 10/19/09 13:50 Filename: R101909
Mode: CONC Type: S Corr. Factor: 10.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00156	.06848	L-.32503	.04291	.02981	-.00085
SDev	.00506	.02384	.05318	.00795	.00033	.00019
%RSD	322.53	34.816	16.363	18.547	1.1214	22.456

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	214.63	-.00017	.00899	H422.98	-.00045	.56596
SDev	.36431	.00045	.00135	8.394	.00097	.03052
%RSD	.16974	264.22	15.063	1.9845	216.34	5.3929

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	1.1101	104.31	L-.04169	L-.03004	H437.9	.01290
SDev	.03777	.29731	.0084	.00313	1.839	.00542
%RSD	3.4026	.28502	20.151	10.448	.4199	42.051

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00244	-.02790	L-.01680	.00703	.01367	-.10418
SDev	.01067	.00989	.00334	.0105	.10811	.18399
%RSD	436.43	35.465	19.9	149.29	790.39	176.6

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.24427	.06699	-.02566	L-.0388	1.447	L-.01321
SDev	.04586	.02014	.01945	.0149	.0024	.00119
%RSD	18.778	30.077	75.812	38.35	.1634	9.0739

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00395	.02438	L-.24333
SDev	.01605	.00044	.00437
%RSD	406.36	1.8338	1.7977

Zoom In Zoom Out

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Method: ICAPNC Sample Name: T39394-6 Operator:
Run Time: 10/19/09 13:57 Filename: R101909
Mode: CONC Type: S Corr. Factor: 10.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00018	86.738	.01369	L-.10368	1.0396	.00503
SDev	.00124	.31355	.00374	.00268	.00228	.0002
%RSD	674.49	.36149	27.311	2.5879	.21953	4.1583

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H3915.8	.00380	.05612	.70908	.10463	115.26
SDev	4.2646	.00078	.00184	.45431	.00074	.03851
%RSD	.1089	20.594	3.2908	64.071	.71288	.03341

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	15.365	104.67	4.7873	.01676	2.487	.15437
SDev	.06032	.07858	.00104	.00262	.4701	.00113
%RSD	.39261	.07508	.02186	15.673	18.9	.73296

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.03001	.15284	.11411	.00940	.02001	.03247
SDev	.01589	.0095	.01163	.01146	.00673	.0109
%RSD	52.949	6.2203	10.199	121.84	33.655	33.575

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.01024	-.06057	.04309	.0020	H14.10	.48326
SDev	.00432	.01532	.01073	.0118	.0237	.0041
%RSD	42.264	25.302	24.902	601.7	.1683	.84994

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00211	.20309	.26910
SDev	.02531	.00445	.001
%RSD	1196	2.1949	.37379

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Method: ICAPNC Sample Name: T39394-6 Operator:
Run Time: 10/19/09 14:07 Filename: R101909
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00077	85.494	.02378	L-.10575	1.0185	.00500
SDev	.00108	.31365	.00188	.00172	.00232	.00009
%RSD	139.95	.36687	7.9171	1.635	.2278	1.9213

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H3920.0	.00358	.05533	.13770	.10266	112.29
SDev	6.7044	.00029	.001	.0072	.00034	.28308
%RSD	.17103	8.2319	1.8249	5.2298	.33429	.2521

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	16.217	101.90	4.6453	.01939	2.480	.15067
SDev	.04242	.20963	.00948	.00153	.4567	.00298
%RSD	.2616	.20572	.2042	7.9164	18.41	1.9799

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.02068	.16568	.11838	.02855	.02315	.03747
SDev	.0028	.00453	.00218	.00598	.00362	.00549
%RSD	13.583	2.7363	1.8456	20.966	15.675	14.648

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00811	-.01994	.05299	.0129	H14.41	.50640
SDev	.00033	.00434	.00706	.0026	.0275	.01084
%RSD	4.1719	21.793	13.339	20.32	.1905	2.1412

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00995	.20338	.24698
SDev	.0091	.00095	.00036
%RSD	91.458	.47031	.14691

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/19/09 14:15 Filename: R101909
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.24956	39.722	2.0013	2.0060	2.0122	1.9956
SDev	.00052	.09322	.0023	.00407	.00499	.0042
%RSD	.21075	.23469	.11529	.20328	.24814	.21089

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	40.211	1.9627	1.9545	1.9606	1.9828	39.970
SDev	.07296	.00549	.00424	.00349	.00301	.06767
%RSD	.18144	.28016	.21719	.17808	.1522	.16932

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	40.758	39.790	1.9607	1.9952	39.34	1.9651
SDev	.06186	.09157	.00462	.01651	.1121	.00459
%RSD	.15178	.23014	.23605	.8275	.285	.23408

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9292	1.9896	1.9697	2.0078	2.0322	2.0486
SDev	.00092	.00568	.0036	.00403	.08529	.10821
%RSD	.04782	.28562	.18313	.20094	4.1971	5.2823

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	1.9987	1.9985	2.0121	1.983	1.837	1.9793
SDev	.03959	.00246	.00486	.0054	.0035	.00238
%RSD	1.9813	.12339	.24186	.2706	.1928	.12048

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9463	1.9967	2.0358
SDev	.05287	.00425	.00598
%RSD	2.7167	.21307	.29406

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/19/09 14:23 Filename: R101909
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00002	.00995	.00007	.00210	.00001	.00004
SDev	.00025	.00295	.00058	.00065	.00001	.00001
%RSD	1159.3	29.717	800.66	31.284	117.75	22.848

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.02153	.00009	.00006	.00089	-.00013	.00393
SDev	.00037	.00011	.00015	.00015	.00018	.00513
%RSD	1.7449	125.29	244.81	17.01	141.46	130.56

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.01803	-.00003	.00000	.00187	-.0144	.00004
SDev	.00131	.00169	.00003	.00038	.0361	.00076
%RSD	7.3156	5046.9	961.86	20.647	251.5	1580.5

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00013	-.00160	-.00087	-.00068	H.00934	.00990
SDev	.00086	.00118	.00107	.00035	.00378	.00492
%RSD	633.23	73.698	121.81	51.914	40.45	49.733

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00769	-.00233	-.00015	-.0006	.0001	.00062
SDev	.00166	.00061	.00062	.0015	0	.00017
%RSD	21.588	26.261	410.88	266.6	11.44	27.327

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00129	.00007	-.00015
SDev	.00125	.00032	.00006
%RSD	97.514	419.4	40.034

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Method: ICAPNC Sample Name: T39513-1 Operator:
Run Time: 10/19/09 14:42 Filename: R101909
Mode: CONC Type: S Corr. Factor: 50.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00007	2.5577	.00700	1.5925	.22356	-.00066
SDev	.01399	.03027	.03776	.01755	.00765	.00067
%RSD	19745	1.1835	538.8	1.1025	3.4225	100.62

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	444.31	-.00041	.02011	.02573	-.00077	25.481
SDev	3.1155	.00272	.01644	.01205	.01601	.20578
%RSD	.70119	653.66	81.757	46.859	2067.9	.80759

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H121.44	H2010.6	.30147	.06418	H7012.	.01579
SDev	.82247	14.802	.00201	.01765	41.12	.00238
%RSD	.67726	.73619	.66977	27.502	.5865	15.086

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00963	-.05055	L-.02532	L-.05580	.08577	.07954
SDev	.03823	.12379	.09071	.0542	.02897	.03776
%RSD	396.71	244.89	358.23	97.131	33.785	47.484

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.07187	-.04376	-.07536	L-.0831	H11.72	.05289
SDev	.05104	.0418	.08766	.0097	.06	.0087
%RSD	71.024	95.506	116.32	11.7	.5115	16.466

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.02863	.02110	.09201
SDev	.07755	.00646	.0042
%RSD	270.81	30.655	4.5673

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Method: ICAPNC Sample Name: MP10445-D1 Operator:
Run Time: 10/19/09 14:49 Filename: R101909
Mode: CONC Type: S Corr. Factor: 50.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00315	1.9824	L-.01712	1.5742	.17882	.00140
SDev	.00866	.15454	.01368	.02386	.00288	.00073
%RSD	275.08	7.7961	79.895	1.5158	1.612	52.268

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	434.26	.00047	.02460	.01102	.00143	24.541
SDev	1.4784	.00321	.00793	.00451	.0139	.38724
%RSD	.34045	683.39	32.238	40.946	966.99	1.5779

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H117.66	H1958.5	.29566	.02320	H6803.	.05547
SDev	.8748	6.0239	.00155	.01608	69.71	.01836
%RSD	.74353	.30757	.52623	69.283	1.025	33.097

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.09971	-.06407	L-.06391	L-.03908	.02998	.02149
SDev	.08984	.04233	.05795	.02116	.03738	.04646
%RSD	90.105	66.06	90.678	54.147	124.65	216.18

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.02047	-.11969	-.01305	L-.0572	H11.36	.04411
SDev	.03293	.06113	.05461	.033	.0246	.00878
%RSD	160.87	51.076	418.37	57.71	.2166	19.907

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00430	.01007	.06939
SDev	.03684	.01133	.00327
%RSD	855.88	112.53	4.7234

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Method: ICAPNC Sample Name: MP10445-SD1 Operator:
Run Time: 10/19/09 14:55 Filename: R101909
Mode: CONC Type: S Corr. Factor: 250.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.02254	2.4047	L-.05119	2.0157	.25630	.02515
SDev	.11278	.28063	.31471	.17304	.01177	.00377
%RSD	500.34	11.67	614.69	8.585	4.5935	15.018

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	446.41	.00175	.05503	.03513	.00255	25.725
SDev	1.4817	.02591	.07517	.05607	.0139	.48389
%RSD	.33192	1480.1	136.6	159.6	543.75	1.881

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H114.89	H1992.3	.30122	.13575	H6865.	.08072
SDev	1.2338	5.0307	.00738	.07898	34.43	.08999
%RSD	1.0739	.25251	2.4524	58.184	.5015	111.48

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.13987	-.25499	L-.15855	L-.14603	.33685	.29424
SDev	.34794	.15398	.03699	.20205	.35181	.61679
%RSD	248.75	60.385	23.332	138.36	104.44	209.62

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.28409	-.43287	-.07447	L-.3935	H11.64	.04436
SDev	.21773	.51874	.42108	.302	.0354	.02531
%RSD	76.641	119.84	565.38	76.76	.3041	57.074

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.20282	.02693	.69977
SDev	.41452	.07487	.02894
%RSD	204.38	278	4.1365

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Method: ICAPNC Sample Name: MP10445-S1 Operator:
Run Time: 10/19/09 15:02 Filename: R101909
Mode: CONC Type: S Corr. Factor: 50.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.15624	54.473	.41186	2.5997	.56573	.42113
SDev	.02001	.23582	.02295	.03571	.00049	.00255
%RSD	12.808	.43292	5.574	1.3737	.08787	.60708

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	487.08	.40451	.41320	.39705	.40998	75.454
SDev	2.1182	.00433	.00194	.00868	.00568	.36238
%RSD	.43487	1.0722	.47189	2.1864	1.3867	.48026

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H174.05	H2020.6	.71754	.46998	H6910.	.42344
SDev	.9109	8.5726	.00288	.009	36.79	.01691
%RSD	.52335	.42425	.40234	1.9161	.5324	3.9949

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.27773	.40290	.37326	.36656	.48125	.49284
SDev	.06442	.04306	.01399	.04886	.03571	.04294
%RSD	23.196	10.689	3.7501	13.33	7.4223	8.7142

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.43162	.30137	.38555	.3162	H11.76	.46877
SDev	.06118	.08329	.04656	.0304	.0366	.01269
%RSD	14.175	27.64	12.076	9.61	.311	2.7078

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.39880	.42159	.54315
SDev	.11674	.01377	.00341
%RSD	29.274	3.2672	.62912

Zoom In Zoom Out

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Method: ICAPNC Sample Name: MP10445-S2 Operator:
Run Time: 10/19/09 15:08 Filename: R101909
Mode: CONC Type: S Corr. Factor: 50.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.17309	51.627	.39778	2.5403	.55567	.39747
SDev	.01473	.14959	.10039	.01861	.00198	.00046
%RSD	8.5107	.28976	25.238	.73296	.3567	.11645

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	465.03	.38947	.40289	.37882	.39319	72.020
SDev	1.7701	.00233	.00209	.0123	.00119	.57513
%RSD	.38064	.59983	.52067	3.2477	.30453	.79857

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H169.29	H1922.7	.69971	.44726	H6696.	.39811
SDev	.28817	2.2817	.00422	.01097	8.733	.02076
%RSD	.17022	.11867	.60359	2.4543	.1304	5.2162

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.30409	.35249	.34802	.40433	.47174	.49125
SDev	.04177	.11656	.06553	.05498	.01312	.03074
%RSD	13.737	33.069	18.831	13.598	2.7821	6.2579

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.40620	.34174	.42258	.3390	H11.25	.44197
SDev	.02328	.09741	.12917	.0428	.0074	.00437
%RSD	5.7333	28.505	30.567	12.64	.0656	.99029

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.35096	.41478	.53382
SDev	.11925	.00303	.00774
%RSD	33.978	.7305	1.4505

Zoom In Zoom Out

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Method: ICAPNC Sample Name: T39209-4 Operator:
Run Time: 10/19/09 15:20 Filename: R101909
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00050	.02332	L-.04859	.10960	.03723	.00019
SDev	.00194	.00436	.01062	.00192	.00025	.00007
%RSD	384.35	18.701	21.87	1.755	.69334	38.195

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	63.375	.00018	.00439	H74.747	.00266	.10436
SDev	.1817	.0005	.00084	.27282	.00045	.02912
%RSD	.2867	270.22	19.138	.365	17.25	27.902

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.47804	49.712	-.00416	.00316	H376.3	.00232
SDev	.02661	.07805	.00068	.00218	.7491	.00277
%RSD	5.5676	.157	16.562	69.073	.1991	119.23

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00473	-.00495	-.00053	-.00020	.02653	.01785
SDev	.00575	.00136	.00272	.01258	.00314	.00662
%RSD	121.54	27.563	512.64	6258.6	11.851	37.129

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.04115	.00341	-.00335	-.0094	.6291	-.00236
SDev	.01215	.01435	.01192	.0027	.0012	.00009
%RSD	29.541	420.09	355.39	28.81	.1896	4.1005

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00885	.00649	L-.03214
SDev	.01101	.00073	.00045
%RSD	124.29	11.368	1.4218

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Method: ICAPNC Sample Name: T39513-7 Operator:
Run Time: 10/19/09 15:26 Filename: R101909
Mode: CONC Type: S Corr. Factor: 50.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.01386	.95783	.15863	1.7524	.02372	.00103
SDev	.00589	.09855	.03898	.02473	.00189	.00088
%RSD	42.471	10.289	24.578	1.4112	7.9806	85.886

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	426.57	.00178	.02416	.23038	.00919	14.629
SDev	1.3817	.00329	.0136	.15745	.00622	.36672
%RSD	.32389	184.86	56.292	68.342	67.652	2.5068

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	51.271	217.85	.15735	.02547	H3410.	.04486
SDev	.18761	.32556	.00079	.0083	21.87	.0334
%RSD	.36593	.14944	.50756	32.591	.6414	74.45

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00880	-.04105	L-.01291	L-.02790	.13880	.15601
SDev	.03593	.03883	.01397	.07077	.05021	.05526
%RSD	408.13	94.601	108.13	253.64	36.181	35.425

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.07680	-.10223	-.00494	.0214	H8.330	.01782
SDev	.09875	.07936	.07455	.0377	.0227	.00005
%RSD	128.58	77.632	1508.7	176	.2721	.30003

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.03122	.01573	.13928
SDev	.10379	.01294	.00316
%RSD	332.44	82.235	2.2753

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Method: ICAPNC Sample Name: T39513-8 Operator:
Run Time: 10/19/09 15:33 Filename: R101909
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00012	.01473	.00003	.04230	.00044	.00003
SDev	.0003	.0023	.00093	.00018	0	0
%RSD	243.11	15.647	2881.3	.43273	.71329	10.13

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	6.7042	.00003	-.00005	.00052	.00008	.13537
SDev	.01447	.00009	.00013	.00038	.00025	.00344
%RSD	.21592	307.08	250.76	73.662	310.67	2.5438

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.88230	2.9299	.00418	.00011	171.0	.00069
SDev	.00199	.00737	.00004	.00018	.304	.0002
%RSD	.22583	.25155	1.1463	162.32	.1778	29.696

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00007	-.00095	-.00037	-.00142	.00081	.00036
SDev	.00074	.0008	.00054	.00066	.00022	.00054
%RSD	984.41	84.678	143.03	46.894	27.648	152.23

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00116	-.00194	-.00145	-.0001	.1215	.00045
SDev	.00091	.00163	.00022	.0005	.0001	.00026
%RSD	78.44	84.141	15.192	529.9	.1029	58.791

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00146	.00032	.00240
SDev	.00069	.0003	.00003
%RSD	47.58	93.737	1.6437

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Method: ICAPNC Sample Name: T39646-1 Operator:
Run Time: 10/19/09 15:39 Filename: R101909
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00025	.00544	.00006	.04661	.00036	.00009
SDev	.00036	.00138	.00045	.00034	0	.00001
%RSD	140.14	25.48	671.37	.74049	.49141	10.473

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	4.8012	.00008	.00000	.00021	-.00019	-.00041
SDev	.00574	.00005	.00019	.00026	.00005	.00309
%RSD	.11973	57.314	2993	122.75	31.092	749.71

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.42048	1.3180	.00083	.00022	36.21	.00005
SDev	.00092	.00262	.00003	.00047	.1611	.00027
%RSD	.22024	.19913	3.9169	211.7	.4449	524.95

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00096	-.00076	-.00057	-.00122	-.00006	-.00075
SDev	.00058	.00153	.00086	.00094	.00055	.00108
%RSD	60.893	200.17	149.85	77.149	890.25	144.6

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00076	-.00304	-.00062	.0003	.1035	.00020
SDev	.00071	.00211	.00183	.0013	.0001	.0001
%RSD	93.243	69.45	295.59	386.7	.1109	48.807

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00047	.00004	.00284
SDev	.00127	.00022	.00002
%RSD	267.33	497.01	.71472

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/19/09 15:54 Filename: R101909
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.25099	40.043	2.0126	2.0254	2.0287	2.0050
SDev	.0002	.16948	.00473	.00319	.00454	.00413
%RSD	.08072	.42324	.23548	.1576	.22417	.20601

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	40.607	1.9753	1.9740	1.9720	1.9935	40.223
SDev	.12242	.00377	.00529	.00531	.00504	.09517
%RSD	.30148	.19105	.26801	.26968	.25308	.2366

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	41.003	40.011	1.9736	2.0128	39.68	1.9812
SDev	.09228	.10497	.00559	.02275	.1699	.00554
%RSD	.22506	.26236	.28333	1.1305	.4282	.27995

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9460	2.0005	1.9825	2.0248	2.0731	2.0968
SDev	.00601	.00762	.00703	.00257	.08039	.10477
%RSD	.30906	.38095	.35468	.12731	3.8777	4.9968

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0252	2.0148	2.0297	2.010	1.849	1.9931
SDev	.032	.00488	.00573	.0075	.0054	.00626
%RSD	1.5804	.24245	.28249	.3746	.2946	.31435

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9548	2.0055	2.0588
SDev	.06352	.00594	.00506
%RSD	3.2496	.29637	.24617

Zoom In Zoom Out

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/19/09 16:07 Filename: R101909
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00013	.00504	-.00137	.00246	.00002	.00008
SDev	.0002	.00105	.00149	.00065	.00002	.00002
%RSD	160.11	21.016	109.03	26.576	99.259	33.117

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.02617	.00004	.00029	.00001	-.00014	.00960
SDev	.00063	.00004	.0001	.00014	.0002	.00145
%RSD	2.4235	93.58	34.694	855.69	140.15	15.161

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.04510	.00128	.00029	.00089	-.0306	.00047
SDev	.00365	.00111	.00014	.00047	.015	.00039
%RSD	8.0967	86.876	49.799	53.285	48.93	82.738

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00031	-.00025	.00017	-.00086	.00343	.00226
SDev	.00151	.00058	.00068	.001	.00138	.00156
%RSD	478.67	230.34	404.61	116.39	40.37	69.148

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00520	-.00397	.00039	.0000	.0001	.00027
SDev	.00119	.00259	.00046	.0004	0	.0003
%RSD	22.888	65.167	117.12	921.7	4.03	109.34

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00160	.00013	-.00005
SDev	.00122	.00013	.00003
%RSD	76.23	101.89	57.569

Zoom In Zoom Out

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Method: ICAPNC Sample Name: T39513-8 Operator:
Run Time: 10/19/09 16:14 Filename: R101909
Mode: CONC Type: S Corr. Factor: 50.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00535	.81638	.11674	2.1158	.03601	.00490
SDev	.00986	.17257	.03992	.0048	.00283	.00042
%RSD	184.31	21.139	34.195	.22725	7.8589	8.7265

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	336.41	-.00247	.03204	.00800	.02697	7.2235
SDev	.76723	.00646	.03557	.00876	.01663	.45941
%RSD	.22806	261.41	111.01	109.57	61.677	6.36

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	44.329	146.55	.27635	.05714	H8408.	.05515
SDev	.21023	.08906	.0092	.03644	59.78	.00558
%RSD	.47427	.06077	3.3294	63.772	.711	10.131

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.11392	.06534	.01854	L-.02053	.14051	.18837
SDev	.11198	.13398	.05277	.04131	.04678	.1101
%RSD	98.293	205.05	284.54	201.15	33.299	58.451

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.01657	-.18879	.04958	L-.0691	H6.031	.04622
SDev	.08624	.07911	.05832	.0072	.0067	.00509
%RSD	520.39	41.907	117.63	10.42	.1105	11.019

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.01998	.03940	.39530
SDev	.08826	.02668	.04228
%RSD	441.57	67.727	10.698

Zoom In Zoom Out

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Method: ICAPNC Sample Name: T39646-1 Operator:
Run Time: 10/19/09 16:27 Filename: R101909
Mode: CONC Type: S Corr. Factor: 50.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00249	2.3266	.01789	2.3615	.76046	.00870
SDev	.01838	.57299	.06742	.0342	.17704	.002
%RSD	737.04	24.628	376.87	1.4485	23.282	23.008

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	246.30	.00183	.01328	L-.01258	.00205	3.1968
SDev	.47129	.01166	.0153	.01955	.00544	.83105
%RSD	.19135	636.45	115.21	155.41	265.42	25.996

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	22.924	68.579	.09809	.02551	H1840.	.01153
SDev	.32989	.24186	.00742	.0153	4.811	.02846
%RSD	1.4391	.35268	7.5654	59.998	.2614	246.81

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.07447	-.00004	L-.01138	L-.03992	.08386	.10108
SDev	.09206	.01225	.02949	.04966	.02509	.02766
%RSD	123.63	27067	259.1	124.39	29.925	27.368

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.02174	-.11612	-.01673	L-.0488	H5.224	.17207
SDev	.02828	.0932	.03754	.0737	.0131	.0739
%RSD	130.1	80.261	224.32	151	.2514	42.948

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.08220	.02798	.19277
SDev	.08963	.00641	.00877
%RSD	109.03	22.916	4.5508

Zoom In Zoom Out

Analysis Report Averages 10/26/09 08:41:17 AM page 42

Method: ICAPNC Sample Name: T39646-2 Operator:
Run Time: 10/19/09 16:34 Filename: R101909
Mode: CONC Type: S Corr. Factor: 50.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	L-.01118	.76889	.00863	2.7952	.17786	.00442
SDev	.00889	.20936	.04319	.00657	.05413	.00044
%RSD	79.552	27.229	500.54	.23516	30.434	10.038

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	441.24	L-.00452	.01662	L-.01273	.00658	.58844
SDev	1.1628	.00552	.0201	.00453	.00918	.26742
%RSD	.26352	122.15	120.99	35.589	139.53	45.447

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	22.975	81.981	1.7237	.00790	H4988.	.02003
SDev	.28628	.15276	.00547	.02144	51.66	.01881
%RSD	1.2461	.18634	.31757	271.24	1.036	93.874

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.06760	-.01455	.02460	.03242	.08072	.08779
SDev	.07271	.06171	.02259	.04731	.06501	.08511
%RSD	107.56	423.92	91.83	145.95	80.545	96.952

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.03827	-.05765	.06344	L-.0432	H6.953	.07093
SDev	.05555	.03702	.06454	.0112	.0214	.00012
%RSD	145.14	64.231	101.74	25.82	.3085	.17659

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.05377	.00215	.17000
SDev	.05598	.01001	.00869
%RSD	104.12	464.83	5.1118

Zoom In Zoom Out

Analysis Report Averages 10/26/09 08:41:17 AM page 43

Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/19/09 16:42 Filename: R101909
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.24996	39.170	1.9708	1.9607	1.9743	1.9707
SDev	.00089	.18401	.00985	.00608	.00567	.00337
%RSD	.35691	.46978	.50012	.31021	.28745	.17145

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	39.629	1.9266	1.9364	1.9366	1.9587	39.235
SDev	.07615	.00311	.00349	.00422	.00648	.0851
%RSD	.19216	.16193	.18053	.21809	.33103	.21692

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	40.209	39.233	1.9341	2.0017	38.89	1.9339
SDev	.16445	.09543	.00404	.02354	.2649	.00409
%RSD	.409	.24324	.20892	1.1764	.681	.21158

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9045	1.9489	1.9344	1.9753	1.9820	1.9977
SDev	.00506	.01181	.0091	.0051	.13501	.1751
%RSD	.26606	.6061	.47059	.25862	6.8122	8.7654

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	1.9501	1.9670	1.9792	2.009	1.820	1.9752
SDev	.05486	.00512	.00648	.0126	.0046	.00775
%RSD	2.8135	.2605	.32755	.6287	.2537	.39266

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9602	1.9820	2.0005
SDev	.00512	.00364	.00356
%RSD	.26135	.1838	.17835

Zoom In Zoom Out

Analysis Report Averages 10/26/09 08:41:17 AM page 44

Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/19/09 17:03 Filename: R101909
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00015	.00566	-.00177	.00229	.00015	.00011
SDev	.00037	.0007	.00022	.0003	.00011	.00001
%RSD	236.63	12.415	12.869	13.386	75.562	10.317

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.03880	.00000	.00007	-.00021	-.00008	.00416
SDev	.0012	.00012	.0001	.00038	.00016	.0034
%RSD	3.1073	1625.6	143.74	175.98	201.26	81.644

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.04644	.00248	.00007	.00028	-.0054	.00000
SDev	.00107	.00279	.00004	.00031	.1075	.00027
%RSD	2.3081	112.68	61.494	110.57	1992	23454

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00043	-.00134	-.00051	-.00024	.00136	.00095
SDev	.00189	.00151	.00163	.0011	.00186	.00321
%RSD	433.63	112.37	313.65	448.86	136.89	334.94

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00160	-.00110	-.00011	-.0007	.0001	.00010
SDev	.00085	.00201	.00124	.001	0	0
%RSD	53.324	183.28	1104.6	142.2	12.58	.48696

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00013	.00019	.00045
SDev	.00067	.0001	.00001
%RSD	516.26	51.543	3.6302

NOTE: The remaining raw data for this batch is not relevant to this job. As such it has been omitted.

Zoom In
Zoom Out

Analysis Report Averages 10/29/09 09:05:40 AM page 1

Method: ICAPNC Sample Name: STDA Operator:
Run Time: 10/20/09 11:40 Filename: R102009
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	count	count	count	count	count	count
Avge	-.00074	.01668	.0012	.00928	.00072	-.00737
SDev	.00026	.00006	.00029	.00034	.00004	.00001
%RSD	36.0717	.38033	24.1808	3.72779	5.56741	.1695

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	count	count	count	count	count	count
Avge	.00931	-.00067	-.00028	.00007	.02081	-.00055
SDev	.00001	.00046	.00013	.00005	.00006	.00006
%RSD	.1624	68.712	46.8511	75.5282	.3043	10.9918

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	count	count	count	count	count	count
Avge	.00444	.00069	.0012	.00058	-.00034	.01936
SDev	.00001	.00004	.0001	.0003	.0003	.00014
%RSD	.2881	5.7578	8.35953	51.9781	90.0029	.72502

Elems	2203-1	2203-2	2068-1	2068-2	1960-1	1960-2
Units	count	count	count	count	count	count
Avge	.00562	.00168	.00144	.00115	-.00535	.00341
SDev	.00289	.0011	.0011	.00118	.00094	.00108
%RSD	51.5174	65.2134	75.9601	103.043	17.6391	31.7087

Elems	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2138
Units	count	count	count	count	count	count
Avge	-.00387	.03116	-.00007	-.00496	0	.00006
SDev	.00097	.00074	.00002	.00025	.00002	.00008
%RSD	25.1691	2.38235	34.6521	5.15489	346.236	141.974

Zoom In
Zoom Out

Analysis Report Averages 10/29/09 09:05:40 AM page 2

Method: ICAPNC Sample Name: STDC Operator:
Run Time: 10/20/09 11:46 Filename: R102009
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	2068-1	2068-2
Units	count	count	count
Avge	.64107	3.84429	3.35974
SDev	.0037	.26823	.05944
%RSD	.57802	6.97741	1.76944

Zoom In
Zoom Out

Analysis Report Averages 10/29/09 09:05:40 AM page 3

Method: ICAPNC Sample Name: STDE Operator:
Run Time: 10/20/09 11:52 Filename: R102009
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Al3082	Ca3179	Fe2714	K_7664	Mg2790	Na3302
Units	count	count	count	count	count	count
Avge	3.01551	5.74954	1.8334	.23603	6.82274	.32875
SDev	.01948	.02964	.01215	.00067	.04117	.0017
%RSD	.64618	.51561	.66306	.28459	.60348	.5183

Zoom In
Zoom Out

Analysis Report Averages 10/29/09 09:05:40 AM page 4

Method: ICAPNC Sample Name: STDB Operator:
Run Time: 10/20/09 11:57 Filename: R102009
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	As1890	B_2496	Ba4934	Be3130	Cd2265	Co2286
Units	count	count	count	count	count	count
Avge	2.57214	3.40994	4.26505	10.3374	17.8037	3.45239
SDev	.01535	.02399	.02119	.07455	.09267	.02349
%RSD	.59686	.70377	.49686	.72122	.52052	.68041

Elems	Cr2677	Cu3247	Mn2576	Mo2020	Ni2316	2203-1
Units	count	count	count	count	count	count
Avge	1.58932	11.3283	15.6998	1.81775	6.69641	5.72449
SDev	.01073	.07319	.10096	.03042	.03393	.02138
%RSD	.67563	.64615	.64311	1.67401	.50675	.37353

Elems	2203-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units	count	count	count	count	count	count
Avge	7.56918	1.51183	1.88168	10.4616	275.808	.53948
SDev	.06441	.00565	.01778	.11607	1.25026	.00406
%RSD	.85097	.37426	.94523	1.1095	.4533	.75293

Elems	Tl1908	Zn2138
Units	count	count
Avge	1.46341	3.7583
SDev	.00735	.02093
%RSD	.50254	.55703

Zoom In
Zoom Out

Analysis Report Averages 10/29/09 09:05:40 AM page 5

Method: ICAPNC Sample Name: STDD Operator:
Run Time: 10/20/09 12:03 Filename: R102009
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	V_2924
Units	count
Avge	1.44633
SDev	.05597
%RSD	3.87045

Zoom In
Zoom Out

Analysis Report Averages 10/29/09 09:05:40 AM page 6

Method: ICAPNC Sample Name: HSTD Operator:
Run Time: 10/20/09 13:38 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.51202	81.561	4.0500	4.0329	4.0091	3.9865
SDev	.00307	.78412	.01456	.02576	.02463	.01653
%RSD	.60135	.96139	.35959	.63894	.6144	.41467

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	80.867	3.9229	3.9387	3.9432	4.0412	81.266
SDev	.46476	.02231	.02218	.02328	.02876	.427
%RSD	.57473	.56881	.56338	.59046	.7117	.52543

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	80.520	81.708	3.9577	4.0111	81.35	3.9414
SDev	.7794	.47441	.02227	.02655	1.064	.02322
%RSD	.96795	.58062	.56279	.66197	1.308	.58932

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/l	
Avge	3.8983	3.9800	3.9531	4.0556	H4.2591	4.2954
SDev	.02249	.00808	.01146	.01553	.07079	.09674
%RSD	.57708	.20325	.28991	.38313	1.6621	2.2523

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	4.1861	4.0564	4.0550	3.946	3.970	3.9854
SDev	.023	.02301	.01927	.0093	.0262	.01986
%RSD	.54952	.56743	.47523	.2348	.6606	.49837

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	4.1602	4.0339	3.9475
SDev	.1962	.02275	.02265
%RSD	4.7163	.56419	.57397

Zoom In
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Method: ICAPNC Sample Name: ICV Operator:
Run Time: 10/20/09 13:47 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.51035	5.0159	.99994	.98748	1.0037	1.0162
SDev	.00172	.01587	.00403	.00657	.00432	.00346
%RSD	.33709	.31652	.40368	.66535	.43098	.34063

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	4.9840	.99834	.98960	.99102	.98503	4.9797
SDev	.0112	.0033	.00279	.00235	.00385	.01061
%RSD	.22479	.33134	.28268	.23808	.39114	.21312

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	5.0054	4.9640	.99359	1.0065	5.066	.99635
SDev	.01412	.01338	.00334	.004	.0325	.00383
%RSD	.28218	.26964	.33627	.3981	.6408	.38451

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.98367	.99006	.98818	1.0042	1.0452	1.0525
SDev	.00403	.00087	.0009	.00326	.01972	.02646
%RSD	.40984	.088	.09173	.32499	1.8871	2.5147

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	1.0299	1.0045	1.0038	.9983	L.9000	1.0055
SDev	.00646	.00245	.00399	.003	.0036	.00318
%RSD	.62735	.24483	.39824	.3025	.3982	.31658

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.98258	1.0155	1.0263
SDev	.01375	.00326	.004
%RSD	1.3998	.32156	.39017

Zoom In
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Analysis Report Averages 10/29/09 09:05:40 AM page 8

Method: ICAPNC Sample Name: ICB Operator:
Run Time: 10/20/09 14:00 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00033	-.00390	-.00226	.00155	-.00002	.00000
SDev	.0003	.00286	.00145	.00083	.00005	.00001
%RSD	91.36	73.54	64.535	53.481	170.08	159.06

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00242	.00016	.00018	.00049	.00006	.00916
SDev	.00068	.00014	.00048	.00027	.00025	.00499
%RSD	28.227	88.618	256.37	55.343	374.95	54.455

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.02038	.00326	.00007	.00051	.0206	.00075
SDev	.00386	.00044	.00006	.00008	.0533	.00027
%RSD	18.946	13.509	89.759	15.828	258.9	36.036

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00054	-.00094	-.00057	.00139	H.00541	.00614
SDev	.00008	.00119	.00081	.00079	.00055	.00091
%RSD	14.947	126.93	142.63	57.476	10.277	14.912

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00339	.00109	.00124	.0017	.0000	.00034
SDev	.00023	.00182	.00175	.0015	0	.0001
%RSD	6.9689	166.57	141.23	86.28	67.9	29.253

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00219	.00000	-.00001
SDev	.00132	.00009	.00003
%RSD	60.184	2824.8	276.32

Zoom In Zoom Out

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Method: ICAPNC Sample Name: CRI Operator:
Run Time: 10/20/09 14:07 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.01116	.20200	.00381	.11240	.21831	.00512
SDev	.00016	.00143	.00092	.00003	.00118	.00002
%RSD	1.5031	.70999	24.129	.03404	.54123	.49831

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	5.1814	.00428	.05159	.01059	.02621	.10684
SDev	.02153	.00002	.00008	.00029	.00023	.00269
%RSD	.41556	.6108	.16285	2.8105	.9114	2.5224

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	5.1529	5.2314	.01611	.01112	5.263	.04190
SDev	.02112	.0241	.00005	.00038	.104	.00026
%RSD	.4099	.46082	.34996	3.4477	1.977	.62894

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00369	.00181	.00267	.00540	.00736	.00731
SDev	.00055	.00059	.00045	.00117	.00149	.00194
%RSD	14.993	32.497	16.996	21.662	20.277	26.58

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00690	.00536	.00513	.0218	.0180	.02128
SDev	.00066	.00186	.00147	.0009	.0001	.00009
%RSD	9.6474	34.718	28.732	4.216	.465	.4365

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.01256	.05165	H.03209
SDev	.00348	.00008	.0001
%RSD	27.765	.15705	.33466

Zoom In Zoom Out

Analysis Report Averages 10/29/09 09:05:40 AM page 10

Method: ICAPNC Sample Name: ICSA Operator:
Run Time: 10/20/09 14:13 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00350	512.68	-.00082	-.06181	.00192	-.00021
SDev	.00026	3.224	.00178	.00044	.00003	.00003
%RSD	7.5297	.62884	217.07	.71297	1.6682	14.181

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	530.12	-.00050	-.00107	.00745	-.00466	202.90
SDev	4.498	.00037	.00022	.00028	.00013	1.5085
%RSD	.84848	74.604	21.155	3.8696	2.8375	.74344

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.84457	534.94	.00067	.01790	.1642	.00175
SDev	.00899	3.6135	.00099	.00088	.0422	.00045
%RSD	1.065	.67548	146.64	4.9517	25.68	26.015

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.22142	.10561	-.00299	.00197	.00318	.01717
SDev	.00071	.00196	.00118	.00096	.00368	.00695
%RSD	.32228	1.8581	39.502	48.875	115.47	40.526

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02469	-.01249	.00948	-.0040	.0002	.00211
SDev	.00316	.00474	.00094	.0047	0	.00002
%RSD	12.797	38.005	9.976	117.2	6.193	1.1395

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00603	-.00095	-.00205
SDev	.00775	.00033	.00014
%RSD	128.42	34.894	7.0902

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Method: ICAPNC Sample Name: ICSAB Operator:
Run Time: 10/20/09 14:19 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	1.0919	512.86	.53162	-.06543	.53731	.50294
SDev	.0049	2.2712	.00428	.00118	.00278	.00265
%RSD	.44931	.44285	.80579	1.8123	.51837	.52821

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	520.89	.95041	.49324	.49767	.54115	202.45
SDev	2.4791	.00472	.00225	.0026	.00245	.91098
%RSD	.47593	.49755	.45699	.52304	.45329	.44997

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.81548	529.84	.50943	.52792	.1428	.91715
SDev	.0094	2.5929	.00282	.00553	.0305	.00491
%RSD	1.1532	.48938	.55521	1.0483	21.36	.53626

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.27091	.59758	.48907	.52206	1.0576	1.0791
SDev	.00306	.003	.00229	.00295	.03299	.04392
%RSD	1.133	.50295	.46921	.56547	3.1197	4.0703

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	1.0147	.50819	.52927	-.0066	.0002	.00213
SDev	.01115	.00844	.00117	.0074	0	.00012
%RSD	1.0993	1.6621	.22125	111.6	.9869	5.6443

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.47901	.51002	1.0648
SDev	.02806	.00211	.00591
%RSD	5.8579	.41502	.55579

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Analysis Report Averages 10/29/09 09:05:40 AM page 12

Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/20/09 14:27 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.25378	40.458	2.0023	2.0023	2.0118	2.0136
SDev	.00038	.11526	.01037	.00482	.00282	.00533
%RSD	.15181	.2849	.5184	.2411	.14018	.26509

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	40.099	1.9684	1.9647	1.9675	1.9852	40.273
SDev	.11416	.00337	.005	.0048	.00392	.12595
%RSD	.2847	.17153	.25486	.24438	.19791	.31276

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	41.316	40.369	1.9741	2.0018	39.99	1.9725
SDev	.06622	.08765	.0048	.02457	.1562	.00444
%RSD	.16028	.21713	.24334	1.2279	.3906	.22532

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9402	1.9806	1.9674	2.0143	2.0486	2.0551
SDev	.0062	.00898	.00804	.01137	.10697	.13524
%RSD	.32001	.45384	.40904	.56493	5.222	6.5808

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0351	2.0187	2.0119	1.977	1.842	2.0017
SDev	.05054	.01328	.01103	.0133	.0026	.00602
%RSD	2.4836	.65784	.54829	.6717	.1389	.30096

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9554	2.0165	2.0172
SDev	.0431	.00554	.00429
%RSD	2.2047	.27512	.21288

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Analysis Report Averages 10/29/09 09:05:40 AM page 13

Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/20/09 14:36 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00031	-.00144	-.00136	.00136	.00002	-.00003
SDev	.00011	.00099	.0008	.00011	.00005	.00002
%RSD	35.542	68.904	58.973	8.1614	262.13	64.475

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00150	.00015	.00003	.00047	-.00009	.00727
SDev	.00058	.00001	.00002	.00013	.00017	.00323
%RSD	38.852	10.782	78.692	28.826	197.08	44.45

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.03414	.00111	.00007	.00144	.0066	.00079
SDev	.00224	.00142	.00003	.00057	.0339	.00048
%RSD	6.571	127.94	46.152	39.825	517.2	61.067

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00002	-.00130	-.00062	.00027	H.00646	.00672
SDev	.00071	.00058	.00027	.00083	.00189	.00265
%RSD	2754.1	45.022	42.94	299.38	29.357	39.468

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00538	-.00079	.00053	.0018	.0000	.00034
SDev	.00084	.00297	.00246	.0008	0	.00026
%RSD	15.628	376.18	464.57	46.31	109.4	77.787

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00197	.00003	-.00010
SDev	.00056	.00013	.00005
%RSD	28.482	420.85	55.206

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Method: ICAPNC Sample Name: T39896-1 Operator:
Run Time: 10/20/09 14:43 Filename: R102009
Mode: CONC Type: S Corr. Factor: 10.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.01009	414.57	.07431	.12183	H164.57	.02065
SDev	.00247	.31997	.01543	.00355	.25125	.00019
%RSD	24.478	.07718	20.763	2.9207	.15266	.94414

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	510.71	.00130	.22214	.42139	.52285	435.91
SDev	.95052	.00088	.0008	.00214	.00117	.65769
%RSD	.18612	67.752	.36047	.50831	.2244	.15087

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	79.731	208.56	8.9693	.05392	32.42	.49677
SDev	.05615	.26715	.01287	.00131	.339	.00463
%RSD	.07042	.12809	.14349	2.4382	1.046	.93331

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.11220	.32855	.18457	.00448	.02735	.05194
SDev	.00823	.00596	.00549	.01789	.01432	.01488
%RSD	7.3364	1.8159	2.9762	399.38	52.377	28.658

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02658	-.03858	.02365	.0053	2.308	9.3951
SDev	.01322	.04045	.01183	.0146	.002	.01599
%RSD	49.745	104.85	50.014	277.8	.0867	.17023

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.01450	.76464	1.1482
SDev	.01469	.00133	.00091
%RSD	101.33	.17399	.07994

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Analysis Report Averages 10/29/09 09:05:40 AM page 15

Method: ICAPNC Sample Name: MP10484-D1 Operator:
Run Time: 10/20/09 14:49 Filename: R102009
Mode: CONC Type: S Corr. Factor: 10.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00932	407.86	.07687	.12618	H159.82	.02031
SDev	.00041	1.1886	.00987	.00549	.26603	.00007
%RSD	4.4154	.29143	12.845	4.3529	.16645	.37387

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	509.62	.00016	.21995	.41495	.51949	434.36
SDev	1.5173	.0008	.00279	.00268	.00134	1.1732
%RSD	.29773	494.56	1.2707	.64786	.25944	.2701

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	78.428	209.80	8.9570	.05129	32.25	.51534
SDev	.16293	.50753	.01963	.00275	.4516	.00453
%RSD	.20775	.24191	.21917	5.3749	1.4	.88015

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.10349	.32288	.18370	.00671	.02879	.06013
SDev	.00648	.00594	.0051	.01421	.00747	.00865
%RSD	6.2694	1.8423	2.7769	211.51	25.974	14.399

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.03866	-.04100	.02810	.0018	2.289	9.4853
SDev	.01335	.02461	.01292	.0139	.0047	.0273
%RSD	34.533	60.021	45.995	781.6	.2051	.28789

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.01080	.75546	1.0991
SDev	.0214	.00302	.00274
%RSD	198.2	.40061	.24987

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Method: ICAPNC Sample Name: MP10484-SD1 Operator:
Run Time: 10/20/09 14:55 Filename: R102009
Mode: CONC Type: S Corr. Factor: 50.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.02323	424.48	L-.01034	.12834	H178.12	.01944
SDev	.01805	2.0208	.02286	.02518	.9497	.001
%RSD	77.697	.47605	221.04	19.624	.53319	5.1833

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	524.93	.00428	.23263	.44491	.52467	443.10
SDev	2.7151	.00577	.00901	.01529	.00932	2.5935
%RSD	.51722	134.86	3.8734	3.4373	1.7779	.58531

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	76.170	213.99	9.2518	.05388	36.36	.53739
SDev	.42752	1.1889	.05015	.0306	2.19	.03087
%RSD	.56127	.5556	.54207	56.785	6.025	5.7448

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.04851	.29579	.19487	.08352	L-.00669	-.03824
SDev	.02453	.03022	.02787	.02608	.02382	.05257
%RSD	50.575	10.219	14.306	31.228	355.92	137.46

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.02915	.05497	.08321	.3606	2.348	9.6140
SDev	.04802	.08532	.08149	.0476	.0123	.05002
%RSD	164.72	155.22	97.929	13.21	.5232	.52034

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.03108	.78577	1.3130
SDev	.07731	.01647	.00778
%RSD	248.75	2.097	.59298

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Method: ICAPNC Sample Name: MP10484-S1 Operator:
Run Time: 10/20/09 15:02 Filename: R102009
Mode: CONC Type: S Corr. Factor: 10.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.29298	456.87	.44763	1.0236	H167.30	.40815
SDev	.00026	1.6774	.00247	.01336	.13785	.00068
%RSD	.08975	.36714	.55376	1.3056	.0824	.1674

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	566.86	.36906	.59520	.79120	.91380	488.94
SDev	.79367	.00062	.00152	.00295	.00179	.78178
%RSD	.14001	.17061	.25605	.37388	.19624	.15989

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H126.48	261.92	9.6045	.38511	79.38	.89329
SDev	.30156	.36646	.01103	.0032	.7678	.00794
%RSD	.23842	.13991	.11493	.83096	.9673	.88898

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.22532	.72139	.55830	.35209	.06056	.09087
SDev	.00762	.0135	.00813	.01322	.02332	.03314
%RSD	3.3847	1.8716	1.4563	3.7558	38.517	36.472

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00469	.29866	.37677	.0832	2.678	9.7868
SDev	.00366	.02059	.01389	.0064	.0021	.00683
%RSD	78.052	6.895	3.6877	7.726	.0789	.06982

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.34703	1.1218	1.5275
SDev	.00484	.00426	.00358
%RSD	1.3975	.38017	.23437

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Method: ICAPNC Sample Name: MP10484-S2 Operator:
Run Time: 10/20/09 15:08 Filename: R102009
Mode: CONC Type: S Corr. Factor: 10.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.28275	448.91	.44486	1.0077	H162.99	.40125
SDev	.00073	2.1739	.01339	.0068	.39951	.00066
%RSD	.26115	.48425	3.0114	.67553	.2451	.16621

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	566.99	.36360	.58074	.77182	.89394	473.95
SDev	1.5046	.00139	.00363	.00271	.00332	1.2567
%RSD	.26536	.3833	.62511	.3523	.37148	.26515

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H124.00	252.62	9.3089	.37632	77.32	.85435
SDev	.48193	.75279	.02622	.00295	.5463	.0057
%RSD	.38865	.29799	.28171	.78451	.7065	.66785

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.21943	.71332	.55150	.34628	.03847	.06572
SDev	.00423	.01469	.00912	.0073	.01287	.01735
%RSD	1.9321	2.0606	1.655	2.1086	33.465	26.405

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02067	.29788	.36831	.0879	2.625	9.5898
SDev	.00401	.0269	.0216	.0115	.0065	.02677
%RSD	19.402	9.0335	5.865	13.07	.2483	.27919

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.36218	1.1011	1.4812
SDev	.01016	.00239	.00193
%RSD	2.8063	.21745	.13087

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Method: ICAPNC Sample Name: T39650-1C Operator:
Run Time: 10/20/09 15:14 Filename: R102009
Mode: CONC Type: S Corr. Factor: 10.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00172	.27280	.00427	.28184	.07488	-.00171
SDev	.00317	.01839	.00587	.00293	.00146	.00013
%RSD	183.75	6.7432	137.63	1.0409	1.9627	8.1027

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H1776.3	.00125	.01140	.00544	.10546	.10739
SDev	7.5824	.00105	.00093	.0009	.00174	.01634
%RSD	.42686	84.049	8.2068	16.579	1.6545	15.22

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H129.52	78.982	.37926	.47818	H1032.	.05652
SDev	.77882	.35789	.00155	.00565	9.212	.00413
%RSD	.60132	.45313	.41047	1.1836	.8929	7.3078

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.01003	-.00816	L-.00653	.08478	.00705	.00443
SDev	.01651	.01629	.00641	.01708	.00641	.01008
%RSD	164.53	199.56	98.165	20.15	90.845	227.15

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00656	.07956	.08520	.0221	H9.640	.01576
SDev	.02038	.02284	.01694	.0083	.0436	.00273
%RSD	310.5	28.705	19.887	37.4	.4521	17.329

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00716	.00563	-.00233
SDev	.01399	.0019	.00004
%RSD	195.21	33.741	1.9181

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/20/09 15:22 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.25438	40.504	2.0018	2.0170	2.0143	2.0115
SDev	.00097	.19472	.0059	.00585	.00724	.00686
%RSD	.38363	.48076	.2949	.29022	.35961	.34147

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	40.143	1.9664	1.9646	1.9678	1.9894	40.221
SDev	.14541	.00553	.00746	.00653	.00711	.12256
%RSD	.36225	.28131	.38019	.33186	.3575	.30473

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	41.549	40.384	1.9737	2.0015	40.20	1.9722
SDev	.16523	.14092	.00656	.02671	.2488	.00506
%RSD	.39769	.34896	.33274	1.3346	.6188	.25705

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9428	1.9793	1.9674	2.0143	2.0472	2.0530
SDev	.00611	.01199	.00996	.00953	.10875	.13733
%RSD	.3149	.60583	.50646	.47351	5.3126	6.6894

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0351	2.0220	2.0102	1.980	1.844	1.9995
SDev	.05159	.00454	.0121	.0152	.0062	.00867
%RSD	2.5351	.22488	.60241	.7683	.3382	.43376

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9468	2.0168	2.0273
SDev	.04635	.00662	.00535
%RSD	2.3811	.32832	.26397

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/20/09 15:30 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00010	.02108	-.00252	.00070	.00004	-.00004
SDev	.00037	.02029	.00123	.00033	.00003	.00004
%RSD	357.18	96.249	48.739	48.386	72.846	96.711

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.00943	.00008	.00003	.00039	.00017	.00581
SDev	.00789	.00008	.00006	.00047	.00004	.00595
%RSD	83.655	106.66	190.9	119.47	26.897	102.45

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.00131	.00814	.00018	.00152	.0384	.00104
SDev	.00836	.00706	.00009	.00116	.0341	.00025
%RSD	637.27	86.766	52.899	76.045	88.62	24.248

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00005	-.00240	-.00136	.00081	H.00719	.00684
SDev	.00019	.00035	.00025	.00052	.00388	.00479
%RSD	357.35	14.817	19.041	64.829	53.984	70.044

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00733	.00099	.00044	.0034	.0000	.00074
SDev	.00207	.00088	.00045	.0014	0	.00029
%RSD	28.319	89.535	102.74	40.14	17.05	40.08

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00230	-.00026	.00062
SDev	.00083	.00029	.00053
%RSD	36.283	107.78	84.815

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Method: ICAPNC Sample Name: T39207-2 Operator:
Run Time: 10/20/09 16:15 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.01870	279.11	.20913	.15273	2.3793	.00681
SDev	.00083	.52957	.00296	.00587	.00869	.00006
%RSD	4.4689	.18973	1.4165	3.8496	.36558	1.0219

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	25.434	.00521	.05854	1.0998	3.1200	602.16
SDev	.09752	.00084	.00012	.004	.01153	2.1851
%RSD	.38342	16.283	.21022	.36417	.36977	.36287

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	36.466	27.743	2.0868	.11516	5.027	.22871
SDev	.17386	.14048	.00781	.00117	.0349	.00111
%RSD	.47679	.50638	.37464	1.0216	.6936	.48804

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	34.685	34.964	34.871	.00522	.32507	.36494
SDev	.10366	.23211	.14576	.0022	.0086	.01394
%RSD	.29888	.66385	.41802	42.228	2.6465	3.822

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.24570	-.04227	.02924	.1465	.1890	.91159
SDev	.00209	.00402	.00522	.0088	.0007	.00224
%RSD	.85339	9.5257	17.853	6.008	.3659	.2468

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.01966	.50662	5.6153
SDev	.0144	.00191	.03231
%RSD	73.231	.37836	.57546

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Method: ICAPNC Sample Name: T39207-3 Operator:
Run Time: 10/20/09 16:21 Filename: R102009
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.02564	511.70	.23826	.16330	4.1958	.01997
SDev	.00097	1.498	.0057	.01014	.01471	.00002
%RSD	3.7973	.29274	2.3937	6.215	.3507	.10079

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	87.700	.13061	.20174	2.0646	6.9194	H1036.2
SDev	.35128	.00066	.00226	.00794	.02004	3.8376
%RSD	.40055	.50609	1.1228	.38482	.2897	.37034

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	55.560	48.470	9.7571	.27015	3.573	1.0975
SDev	.18528	.15175	.03751	.00047	.3168	.00648
%RSD	.33348	.31308	.38447	.17767	8.866	.59078

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	39.461	40.165	39.932	.00046	.37410	.44471
SDev	.1022	.12045	.08749	.01459	.01043	.01622
%RSD	.25899	.2999	.21911	3155.9	2.7894	3.6485

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.23175	-.06959	.03506	.2162	.3838	1.2785
SDev	.0055	.01079	.02447	.0147	.0168	.00468
%RSD	2.3747	15.517	69.802	6.784	.3786	.36645

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.04450	.74589	H17.485
SDev	.01778	.00125	.05648
%RSD	39.963	.16791	.32304

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Method: ICAPNC Sample Name: T39207-5 Operator:
Run Time: 10/20/09 16:28 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00769	338.51	.08836	.13417	2.8454	.01357
SDev	.00048	.75533	.00127	.00365	.00934	.0001
%RSD	6.28	.22313	1.4382	2.7253	.32855	.78622

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	140.16	.04323	.11720	.52908	.78914	288.23
SDev	1.1855	.00051	.00164	.00256	.00297	1.9304
%RSD	.84586	1.1879	1.4044	.48544	.37667	.66974

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	40.209	39.957	4.6183	.04633	2.348	.50753
SDev	.32346	.2338	.02818	.0016	.0346	.00314
%RSD	.80447	.58515	.61032	3.4554	1.474	.61926

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	3.1506	3.4146	3.3269	-.00232	.01534	.03244
SDev	.03074	.04068	.03456	.00082	.00199	.00511
%RSD	.9759	1.1914	1.0388	35.562	13.009	15.778

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.01890	-.01911	.00612	.0633	.4080	1.0827
SDev	.00503	.00645	.00377	.0077	.0009	.00358
%RSD	26.633	33.756	61.579	12.2	.2296	.33082

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00915	.44816	H11.163
SDev	.01043	.00242	.06446
%RSD	113.87	.54102	.5775

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Method: ICAPNC Sample Name: T39207-6 Operator:
Run Time: 10/20/09 16:34 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00696	311.91	.12107	.11010	5.3749	.01314
SDev	.00059	.86399	.00112	.00284	.01154	.00002
%RSD	8.5712	.277	.92796	2.5854	.21478	.20101

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	811.88	.03831	.15066	.95825	1.5621	350.77
SDev	2.2405	.00073	.00029	.00202	.00181	.82401
%RSD	.27596	1.9273	.19639	.21151	.11645	.23491

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	35.908	41.110	4.5239	.10489	3.293	1.0296
SDev	.06785	.08418	.00873	.00056	.0301	.0023
%RSD	.18898	.20477	.19309	.53561	.9145	.22365

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	8.0884	8.3511	8.2639	-.00053	.01908	.04498
SDev	.01927	.05997	.03444	.00112	.00446	.00838
%RSD	.23825	.71814	.41677	208.42	23.411	18.63

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.03269	-.02464	.01190	.1125	.6977	.99080
SDev	.00335	.00656	.00235	.011	.0013	.00201
%RSD	10.265	26.62	19.747	9.826	.1834	.20333

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00772	.47010	H14.518
SDev	.01248	.00086	.04693
%RSD	161.69	.18381	.32327

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Method: ICAPNC Sample Name: T39424-9 Operator:
Run Time: 10/20/09 16:40 Filename: R102009
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00008	.01997	.00281	.03866	.00121	-.00031
SDev	.00063	.00595	.00634	.00402	.00024	.00009
%RSD	721.81	29.815	225.24	10.42	19.973	30.765

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.05471	-.00026	-.00059	.00071	.00054	.06275
SDev	.01553	.00035	.00028	.00033	.0006	.02346
%RSD	28.385	131.7	48.04	47.277	112.16	37.397

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.15015	.01781	.00152	.00014	3.021	.00196
SDev	.02292	.01456	.0001	.00225	.0789	.00066
%RSD	15.266	81.722	6.7538	1573.3	2.613	33.531

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.01020	-.00689	-.00012	.00761	.00153	-.00177
SDev	.00526	.00789	.0038	.00653	.0034	.0025
%RSD	51.535	114.64	2942.8	85.768	220.92	140.95

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00533	.01229	.00385	-.0012	.0001	.00434
SDev	.00579	.01371	.00416	.0033	.0001	.00134
%RSD	108.72	111.56	108.18	282.6	72.32	30.963

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00433	-.00032	.01620
SDev	.01359	.00051	.00114
%RSD	313.83	158.27	7.0531

Zoom In
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Analysis Report Averages 10/29/09 09:05:40 AM page 27

Method: ICAPNC Sample Name: T39424-10 Operator:
Run Time: 10/20/09 16:50 Filename: R102009
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00000	.91968	L-.02820	1.2294	.05096	.00099
SDev	.00055	.02854	.00363	.0039	.00034	.00015
%RSD	8452.5	3.104	12.882	.31758	.6856	16.042

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	98.976	.00357	.01139	H55.492	.52556	.30922
SDev	.19408	.00043	.00123	.58429	.00146	.01935
%RSD	.19609	12.167	10.837	1.0529	.27919	6.2602

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.60546	17.355	.28971	-.00495	154.5	1.4565
SDev	.01458	.02627	.00028	.00133	.5407	.00054
%RSD	2.4083	.1514	.09844	27.046	.35	.0375

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00245	-.00445	-.00097	-.00026	.01182	.00919
SDev	.00341	.00537	.00281	.01192	.00101	.00344
%RSD	139.13	120.72	289.58	4422.8	8.5544	37.505

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.01425	.00456	-.00405	-.0023	.2693	.00420
SDev	.00674	.01364	.01108	.002	.0005	.00388
%RSD	47.351	299.01	273.39	86.74	.1785	92.387

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00503	.01127	.06927
SDev	.00083	.00058	.00134
%RSD	16.531	5.2245	1.9395

Zoom In
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Analysis Report Averages 10/29/09 09:05:40 AM page 28

Method: ICAPNC Sample Name: T39424-11 Operator:
Run Time: 10/20/09 16:57 Filename: R102009
Mode: CONC Type: S Corr. Factor: 10.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00021	1.1083	L-.21275	2.2320	.05051	.00292
SDev	.00211	.0277	.03031	.00621	.00034	.00016
%RSD	974.34	2.4996	14.247	.27842	.6765	5.7708

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	200.75	.03904	.02087	H306.34	.12677	.54199
SDev	.49648	.0002	.00068	6.161	.00272	.021
%RSD	.24731	.51818	3.2666	2.0112	2.1466	3.8756

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	1.5578	44.968	.42533	L-.02464	H225.5	7.5132
SDev	.04677	.12836	.00583	.00189	.8502	.02183
%RSD	3.0027	.28546	1.3708	7.6932	.3771	.29056

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00096	-.01573	L-.00849	.01005	.05554	.00951
SDev	.02263	.00761	.01108	.00944	.04719	.09636
%RSD	2354.7	48.387	130.41	93.931	84.982	1013.2

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.14201	.06167	-.01849	-.0059	.7270	L-.01074
SDev	.05192	.01097	.01363	.0064	.0014	.00199
%RSD	36.561	17.794	73.724	107.1	.1938	18.575

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00087	.02056	L-.03054
SDev	.00119	.00256	.00261
%RSD	137.31	12.466	8.574

Zoom In
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Analysis Report Averages 10/29/09 09:05:40 AM page 29

Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/20/09 17:05 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.25644	40.838	2.0260	2.0348	2.0326	2.0370
SDev	.0015	.1648	.01567	.00884	.00959	.01138
%RSD	.58762	.40355	.77357	.43474	.47223	.559

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	40.644	1.9923	1.9929	2.0051	2.0030	40.707
SDev	.20109	.00995	.0101	.01089	.0095	.20601
%RSD	.49477	.49977	.50728	.54323	.47466	.50609

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	41.625	40.881	1.9970	2.0232	40.45	1.9991
SDev	.19491	.23173	.00961	.02849	.1453	.00885
%RSD	.46825	.56685	.48142	1.4083	.3591	.44282

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9745	2.0003	1.9920	2.0330	2.0642	2.0726
SDev	.01402	.00993	.01118	.01257	.10339	.127
%RSD	.71042	.4968	.56145	.61836	5.0089	6.1276

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0467	2.0413	2.0286	2.007	1.861	2.0183
SDev	.05632	.01405	.01198	.0179	.0087	.00988
%RSD	2.7519	.68856	.59091	.8908	.4684	.48969

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9633	2.0390	2.0327
SDev	.0595	.00916	.01035
%RSD	3.031	.44967	.5092

Zoom In
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Analysis Report Averages 10/29/09 09:05:40 AM page 30

Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/20/09 17:15 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00039	-.00483	.00087	.00134	.00003	.00000
SDev	.00012	.00066	.00033	.00058	.00003	.00001
%RSD	32.217	13.817	37.986	43.485	114.36	666.66

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.00269	.00007	.00031	.00263	.00019	.00686
SDev	.00236	.0001	.00039	.00031	.00006	.00244
%RSD	87.989	142.51	125.42	11.941	34.976	35.672

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.03737	.00386	.00011	.00103	.1003	.00058
SDev	.00371	.00207	.00005	.00055	.0992	.00027
%RSD	9.9469	53.707	44.61	53.623	98.92	47.138

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00052	-.00051	.00006	.00143	H.00545	.00522
SDev	.00234	.00131	.00109	.00068	.00265	.00407
%RSD	446.8	255.43	1660.8	47.457	48.662	77.842

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00532	.00129	.00122	.0017	.0000	.00045
SDev	.00056	.00139	.00112	.0011	0	.0002
%RSD	10.665	107.4	92.372	67.87	23.84	43.856

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00285	.00005	.00023
SDev	.00225	.00006	.00018
%RSD	78.977	133.22	77.224

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Analysis Report Averages 10/29/09 09:05:40 AM page 31

Method: ICAPNC Sample Name: MP10475-MB1 Operator:
Run Time: 10/20/09 17:21 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00024	-.00418	.00488	-.02156	.01672	-.00010
SDev	.00036	.00347	.00694	.00032	.00011	.00002
%RSD	152.81	82.92	142.23	1.5194	.68182	25.648

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H761.96	.00025	.00040	.00291	.00322	-.04117
SDev	2.1891	.00003	.00037	.00027	.0002	.00806
%RSD	.28729	13.598	91.4	9.5213	6.4458	19.589

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.49675	.36634	.00551	-.00032	4.202	.01177
SDev	.0052	.00166	.00005	.00004	.1088	.00017
%RSD	1.0472	.45419	1.0171	15.157	2.588	1.5079

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00465	.00396	.00137	H.00611	.00329	.00399
SDev	.00131	.00111	.00026	.00079	.00311	.00444
%RSD	28.354	28.224	19.03	12.953	94.671	111.16

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00129	.00513	.00658	.0010	H.1077	.00207
SDev	.00057	.00085	.00141	.0012	.0011	.00031
%RSD	44.639	16.644	21.44	118.6	1	15.079

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00413	.00002	.01974
SDev	.00041	.00033	.00013
%RSD	10.01	1629.8	.67826

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Method: ICAPNC Sample Name: MP10475-B1 Operator:
Run Time: 10/20/09 17:28 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	L.10201	53.657	.41525	1.0321	.42792	.40392
SDev	.00451	.311	.0015	.00385	.00154	.00108
%RSD	4.4305	.57962	.36271	.37385	.36109	.26985

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H945.12	.38607	.38965	.38905	.43311	48.814
SDev	2.1896	.00062	.00096	.00158	.00239	.26496
%RSD	.23167	.16271	.24742	.40755	.55194	.5428

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H60.133	52.615	.41644	L.31430	59.15	.39913
SDev	.40964	.19987	.00128	.03627	.5686	.00135
%RSD	.68122	.37988	.30801	11.542	.9613	.34053

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.35982	.42604	.40433	.44790	.35402	.35948
SDev	.00362	.00033	.00126	.00452	.02275	.02481
%RSD	1.0068	.07877	.31216	1.0105	6.4261	6.9038

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.34261	.44380	.45005	L.2215	.4657	.41450
SDev	.01865	.00526	.00414	.0108	.0018	.00279
%RSD	5.4453	1.1874	.92105	4.869	.3823	.67499

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.36261	.38950	.45096
SDev	.02906	.0096	.00125
%RSD	8.0142	2.4665	.27909

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Method: ICAPNC Sample Name: T39648-1A Operator:
Run Time: 10/20/09 17:34 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00013	.17364	.20545	.46398	3.4669	-.00015
SDev	.00038	.00303	.00179	.00038	.02107	.00002
%RSD	296.92	1.7467	.87185	.08352	.60783	14.738

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	899.53	.00159	.00791	.00357	.07561	.03043
SDev	3.116	.00005	.00024	.0009	.00525	.00552
%RSD	.3464	3.2192	3.1033	25.453	6.9525	18.141

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	59.068	21.225	2.3447	.00267	23.46	.03261
SDev	.33962	.08251	.00949	.00038	.0888	.0007
%RSD	.57497	.38876	.40494	14.496	.3785	2.1745

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00472	.00589	.00258	.01497	.00925	.00979
SDev	.0012	.00099	.00037	.0015	.00296	.00449
%RSD	25.601	16.929	14.539	10.028	32.026	45.843

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00758	.01432	.01535	.0073	1.686	.00714
SDev	.00027	.00269	.00204	.0016	.0098	.00021
%RSD	3.6247	18.817	13.289	21.54	.5835	2.9932

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00037	.00525	.03076
SDev	.00351	.00034	.00078
%RSD	938.74	6.6006	2.565

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Method: ICAPNC Sample Name: MP10475-D1 Operator:
Run Time: 10/20/09 17:41 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00032	.10033	.17139	.37671	2.9800	-.00020
SDev	.0004	.00348	.0009	.00234	.00862	.00002
%RSD	123.67	3.4753	.52907	.62315	.28939	12.484

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	876.81	.00138	.00665	.00272	.06598	-.00098
SDev	3.6334	.00013	.00029	.00025	.00377	.00255
%RSD	.41438	10.019	4.3607	9.3586	5.7179	260.24

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	50.872	17.834	2.0200	.00098	19.53	.02762
SDev	.24044	.06807	.00606	.00027	.0811	.0005
%RSD	.47263	.38172	.30005	27.858	.4151	1.8223

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00593	.00455	.00133	.01394	.00372	.00423
SDev	.00237	.00196	.00096	.00176	.00137	.00222
%RSD	39.998	43.185	71.983	12.637	36.797	52.481

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00213	.01362	.01413	.0077	1.428	.00496
SDev	.00048	.00416	.00194	.001	.0045	.0002
%RSD	22.806	30.587	13.752	13.18	.3132	4.039

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00213	.00397	.01614
SDev	.0007	.00043	.00043
%RSD	33.094	10.998	2.7207

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Method: ICAPNC Sample Name: MP10475-SD1 Operator:
Run Time: 10/20/09 18:01 Filename: R102009
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00161	.38777	.19196	.45462	3.5153	-.00090
SDev	.00225	.02138	.00233	.00215	.01474	.00012
%RSD	139.77	5.5154	1.2166	.47488	.41947	13.512

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	823.40	.00212	.00882	.00594	.08818	.14379
SDev	3.4302	.0001	.00081	.00046	.00046	.04004
%RSD	.41659	4.8522	9.2032	7.7961	.52527	27.852

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	54.114	21.085	2.3741	.00108	22.87	.03674
SDev	.45107	.10134	.01027	.00243	.5094	.00182
%RSD	.83357	.48064	.43296	224.97	2.227	4.9694

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00736	-.00228	.00201	.02301	.00682	.00279
SDev	.01022	.0026	.00364	.00093	.00995	.01423
%RSD	138.73	113.82	180.71	4.0823	145.81	509.27

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.01200	.02906	.01880	.0082	1.623	.01267
SDev	.00142	.00332	.00167	.003	.0071	.00047
%RSD	11.845	11.437	8.9061	36.08	.4356	3.7835

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00028	.00725	.04865
SDev	.00361	.0003	.00025
%RSD	1281.8	4.182	.53194

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Method: ICAPNC Sample Name: MP10475-S1 Operator:
Run Time: 10/20/09 18:08 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.01103	1.7065	.28423	1.4639	6.5725	.03326
SDev	.00056	.05412	.00213	.00991	.04196	.00047
%RSD	5.1279	3.1714	.75225	.67712	.63846	1.4146

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H1424.8	.15323	.18697	.03164	.12245	6.3415
SDev	4.3614	.00056	.00084	.00037	.00158	.00761
%RSD	.3061	.36791	.45213	1.1705	1.2913	.1201

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H104.82	107.56	9.3738	.08433	76.98	.21413
SDev	.71086	.5757	.04712	.01003	.4208	.00082
%RSD	.67817	.53522	.50272	11.897	.5466	.38369

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00464	.01805	.01072	.08957	.12926	.13243
SDev	.00043	.00162	.00119	.00214	.00714	.00793
%RSD	9.46	9.026	11.127	2.3908	5.5297	5.9906

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.12237	.08570	.09179	.0150	2.808	.01684
SDev	.00572	.0021	.00222	.0016	.0167	.00004
%RSD	4.6758	2.4581	2.4222	10.42	.5942	.29659

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.12109	.03543	.25385
SDev	.00291	.00257	.00145
%RSD	2.4101	7.2565	.57456

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Method: ICAPNC Sample Name: MP10475-S2 Operator:
Run Time: 10/20/09 18:14 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00429	.79858	.29338	1.5744	7.0975	.01476
SDev	.00057	.01149	.00017	.00502	.02898	.00014
%RSD	13.451	1.4395	.05843	.31889	.40839	.97822

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H1471.1	.10763	.12069	.02212	.10621	3.2463
SDev	3.1676	.00019	.0009	.00018	.00175	.03709
%RSD	.21532	.18496	.74876	.84671	1.654	1.1425

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H113.61	113.88	10.062	.10746	80.46	.14634
SDev	.39626	.29261	.02335	.01304	.2764	.00023
%RSD	.3488	.25694	.23208	12.136	.3435	.15936

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00594	.01406	.00762	.09033	.12389	.12652
SDev	.00101	.00255	.00152	.00171	.00683	.00791
%RSD	17.121	18.175	20.029	1.8987	5.5201	6.254

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.11809	.08501	.09329	.0119	3.130	.01825
SDev	.00468	.00213	.00181	.0006	.0114	.00021
%RSD	3.969	2.516	1.9485	5.038	.3645	1.1538

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.11898	.03183	.09396
SDev	.00156	.00201	.00048
%RSD	1.3147	6.3432	.51244

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Method: ICAPNC Sample Name: T39505-1A Operator:
Run Time: 10/20/09 18:21 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00013	.23933	.01692	.42089	1.1721	-.00027
SDev	.00012	.01331	.00131	.00095	.00555	.00004
%RSD	96.887	5.5647	7.7652	.22626	.47402	17.435

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	773.50	.00060	.00382	.00394	.04720	.11294
SDev	.50871	.00007	.00014	.00023	.00241	.00608
%RSD	.06576	11.949	3.7005	5.8677	5.1171	5.3906

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	41.423	57.611	.97739	.11941	H351.1	.02590
SDev	.13507	.11681	.00173	.01459	.899	.00055
%RSD	.32608	.20275	.17771	12.218	.2561	2.1307

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00409	.00501	.00221	.02975	.00985	.01109
SDev	.00155	.00055	.00029	.00131	.00156	.00236
%RSD	37.975	11.166	13.196	4.4302	15.861	21.336

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00680	.02981	.02973	.0130	3.247	.01166
SDev	.00006	.00145	.00137	.0003	.0135	.00103
%RSD	.92444	4.8887	4.6312	2.242	.4157	8.8347

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00302	.02211	.00925
SDev	.00105	.00085	.00022
%RSD	34.847	3.8771	2.4601

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Method: ICAPNC Sample Name: T39507-1A Operator:
Run Time: 10/20/09 18:27 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00013	.04478	.00365	.22374	2.1283	-.00030
SDev	.0003	.00315	.00038	.00087	.00531	.00002
%RSD	221.33	7.0352	10.504	.39303	.24993	9.3277

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	694.49	.00027	.00140	.00190	.03855	-.02888
SDev	.74963	.00002	.00007	.00042	.00102	.0032
%RSD	.10794	9.6008	5.038	22.057	2.667	11.104

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	43.728	33.557	.50768	.01351	H238.1	.01258
SDev	.22887	.05178	.00049	.0008	.6051	.00043
%RSD	.5234	.15432	.0967	5.9753	.2542	3.4876

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00444	.00388	.00140	.01376	.00416	.00537
SDev	.00075	.00112	.001	.00223	.00025	.0002
%RSD	16.951	29.1	71.288	16.251	6.1594	3.8453

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00114	.01472	.01322	.0063	2.973	.00279
SDev	.00116	.0031	.00185	.0014	.0067	.00047
%RSD	102.05	21.072	14.015	21.84	.2243	16.971

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00161	.00340	.05519
SDev	.00075	.00053	.0008
%RSD	46.517	15.79	1.4657

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Method: ICAPNC Sample Name: T39647-1A Operator:
Run Time: 10/20/09 18:34 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00017	.04097	.00510	1.1873	3.2626	-.00028
SDev	.00021	.00315	.00121	.00053	.01243	.00002
%RSD	123.88	7.6983	23.888	.0451	.38099	7.5015

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	730.68	.00102	.00575	.00211	.04169	-.03306
SDev	2.8641	.00005	.00008	.00013	.00298	.00463
%RSD	.39197	5.5412	1.4294	6.1604	7.1607	14.013

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	75.356	71.673	1.5047	.00232	H358.9	.04538
SDev	.28233	.17567	.00382	.00087	.7599	.00037
%RSD	.37466	.24511	.25446	37.67	.2117	.83326

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00438	.00547	.00251	.02210	.00401	.00514
SDev	.00098	.00187	.00095	.0016	.00124	.0019
%RSD	22.404	34.316	38.071	7.2784	30.975	37.145

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00116	.02341	.02142	.0071	H13.81	.00234
SDev	.00135	.00375	.00064	.0007	.0462	.00014
%RSD	115.48	16.015	3.0054	9.49	.3346	6.0414

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00282	.00139	.23407
SDev	.0014	.00026	.00525
%RSD	49.787	19.337	2.2471

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/20/09 18:42 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.25946	41.580	2.0398	2.0555	2.0512	2.0439
SDev	.00042	.12491	.00574	.00436	.00349	.00422
%RSD	.16344	.30041	.28179	.21248	.17022	.20658

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	40.574	1.9915	2.0017	1.9985	2.0348	40.868
SDev	.08781	.00272	.00428	.00296	.00429	.08908
%RSD	.21643	.13667	.21415	.14814	.21109	.21797

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	42.448	41.273	2.0047	2.0316	41.41	2.0012
SDev	.1093	.08502	.00295	.02913	.1654	.00378
%RSD	.2575	.206	.14744	1.434	.3994	.18935

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9798	2.0074	1.9985	2.0514	2.0922	2.1018
SDev	.00299	.00976	.00728	.00614	.10338	.13226
%RSD	.15145	.4867	.36474	.29957	4.9415	6.2929

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0726	2.0578	2.0480	2.017	1.865	2.0383
SDev	.04562	.00227	.00881	.0129	.0034	.00467
%RSD	2.2016	.11063	.4304	.6406	.18	.22939

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9686	2.0523	2.0402
SDev	.06232	.00359	.00455
%RSD	3.1659	.17519	.22342

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/20/09 18:52 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00023	-.00613	-.00039	.00183	.00003	.00003
SDev	.00027	.00115	.00014	.00026	.00002	0
%RSD	114.22	18.884	36.863	14.641	71.365	13.847

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.00612	.00006	.00016	.00027	.00036	.00784
SDev	.00221	.00005	.00013	.00005	.00012	.00633
%RSD	36.132	84.871	83.219	21.226	34.2	80.788

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.02369	.00207	.00006	.00119	.0833	.00045
SDev	.00265	.00342	.00001	.00035	.028	.00047
%RSD	11.21	164.54	20.747	29.534	33.57	104.23

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00061	-.00128	-.00042	.00254	.00489	.00415
SDev	.00041	.00038	.00014	.0009	.00149	.00178
%RSD	67.211	30.023	32.974	35.457	30.47	42.846

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00579	.00365	.00170	.0016	.0000	.00039
SDev	.00101	.00159	.00208	.0017	0	.00017
%RSD	17.466	43.546	122.31	105.3	34.02	43.685

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00369	-.00001	.00012
SDev	.00026	.00045	.00006
%RSD	7.2684	3440.3	54.026

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Method: ICAPNC Sample Name: T39649-1A Operator:
Run Time: 10/20/09 18:58 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00013	.02943	.00989	.62612	3.6181	-.00016
SDev	.00054	.00097	.00143	.00193	.00526	.00003
%RSD	410.55	3.307	14.514	.30925	.14548	21.668

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	907.67	.00125	.00750	.00295	.04579	-.02668
SDev	5.1549	.00003	.00011	.00024	.00363	.00243
%RSD	.56792	2.8907	1.4942	8.394	7.9409	9.1124

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	44.880	32.038	3.7397	.00184	28.04	.05662
SDev	.08077	.01597	.00391	.0003	.1272	.00053
%RSD	.17996	.04987	.1047	16.739	.4535	.95082

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00473	.00488	.00190	.01821	.00328	.00323
SDev	.00089	.00148	.00073	.00129	.00078	.00123
%RSD	18.957	30.367	38.841	7.1254	23.95	38.049

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00280	.01693	.01891	.0079	1.725	.00320
SDev	.00169	.00067	.00178	.0016	.0017	.00006
%RSD	60.208	4.0148	9.4568	20.54	.0984	2.0428

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00273	.00155	.03504
SDev	.00225	.00027	.00123
%RSD	82.501	17.524	3.5342

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Method: ICAPNC Sample Name: T39650-1A Operator:
Run Time: 10/20/09 19:05 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00066	.04496	.01385	.58120	.21848	-.00030
SDev	.0002	.00626	.00135	.00429	.00187	.00008
%RSD	31.635	13.933	9.7823	.73878	.85979	28.366

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H1231.9	.00028	.00343	.00504	.06479	-.05681
SDev	16.418	.00013	.00032	.00031	.00149	.00881
%RSD	1.3328	47.504	9.5444	6.2806	2.3115	15.525

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H143.93	19.557	.12085	.11766	H385.4	.02194
SDev	1.537	.10616	.0009	.02459	2.362	.00031
%RSD	1.0679	.54283	.74762	20.901	.6128	1.4549

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00800	.00771	.00275	.04034	.00822	.01121
SDev	.00181	.00146	.00075	.00081	.00061	.00093
%RSD	22.681	18.947	27.25	2.0172	7.4338	8.3426

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00164	.03503	.04313	.0135	H5.652	.00411
SDev	.00149	.00136	.00156	.0021	.0407	.00035
%RSD	90.529	3.8878	3.6397	15.28	.7198	8.6978

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00343	.01262	.00592
SDev	.0022	.00264	.00087
%RSD	64.248	20.973	14.748

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Method: ICAPNC Sample Name: T39651-1A Operator:
Run Time: 10/20/09 19:11 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00019	.02873	.00590	.32092	.67350	-.00030
SDev	.00029	.00171	.00086	.00279	.00291	.00001
%RSD	150.54	5.966	14.696	.87204	.43219	5.1056

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	561.41	-.00006	.00021	.00199	.01558	-.03261
SDev	.70417	.00009	.00036	.00022	.00043	.00314
%RSD	.12542	155.42	171.57	11.409	2.8212	9.6276

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	36.635	63.615	.07251	.04491	H426.8	.00856
SDev	.25984	.15171	.00002	.01071	2.908	.00051
%RSD	.70928	.23849	.03063	23.847	.6813	5.9788

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00575	.00473	.00158	.01422	.00676	.00771
SDev	.00072	.00078	.0005	.00127	.0011	.00199
%RSD	12.549	16.509	31.945	8.9916	16.28	25.874

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00430	.01638	.01306	.0056	4.972	.00154
SDev	.00078	.00258	.00076	.0013	.017	.00017
%RSD	18.26	15.76	5.8925	24	.3427	11.456

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00080	.01337	-.00435
SDev	.00206	.00304	.0004
%RSD	257.54	22.758	9.2306

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/20/09 19:19 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.25831	41.176	2.0382	2.0532	2.0499	2.0411
SDev	.00096	.1157	.00283	.00314	.00537	.00398
%RSD	.37516	.28099	.13924	.15307	.26224	.19516

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	40.510	1.9922	2.0013	1.9958	2.0215	40.836
SDev	.0796	.00662	.00457	.00556	.00362	.10239
%RSD	.1965	.33251	.22839	.27889	.17907	.25075

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	41.960	41.105	2.0017	2.0307	40.74	2.0020
SDev	.0995	.06714	.00478	.02174	.052	.00469
%RSD	.23713	.16335	.23893	1.0706	.1276	.23431

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9762	2.0052	1.9958	2.0504	2.0926	2.1040
SDev	.005	.00752	.00637	.00823	.09554	.12431
%RSD	.25335	.37518	.31942	.40183	4.5656	5.9084

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0694	2.0510	2.0498	2.015	1.862	2.0281
SDev	.03796	.00469	.0116	.0098	.0046	.00297
%RSD	1.8347	.2288	.56605	.4846	.2499	.14652

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9630	2.0469	2.0405
SDev	.06098	.00359	.00497
%RSD	3.1069	.17556	.24382

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/20/09 19:29 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00004	-.00348	-.00155	.00147	.00005	.00000
SDev	.00003	.00126	.0024	.00053	.00003	.00001
%RSD	86.351	36.266	154.23	36.311	65.364	1152.9

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.00494	.00009	.00011	.00014	.00048	.00448
SDev	.0012	.00008	.00007	.00009	.00016	.00143
%RSD	24.354	82.508	63.895	63.76	33.707	32.023

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.01992	.00489	.00002	.00173	.0065	.00053
SDev	.00535	.00165	.00001	.0004	.0589	.00038
%RSD	26.905	33.693	80.597	23.168	911.4	72.011

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00091	-.00091	-.00068	.00112	H.00527	.00568
SDev	.00131	.00043	.00064	.00082	.00123	.0016
%RSD	143.09	47.094	94.492	73.476	23.436	28.231

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00388	.00148	.00066	.0014	.0000	.00045
SDev	.0015	.00169	.00089	.0016	0	.0001
%RSD	38.646	114.1	134.28	113.7	49.34	22.274

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00201	-.00031	.00001
SDev	.00076	.00032	.00001
%RSD	37.902	104.21	107.75

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Method: ICAPNC Sample Name: MP10472-MB Operator:
Run Time: 10/20/09 19:36 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00102	.04456	.00022	.00394	.00293	-.00004
SDev	.00026	.01597	.00042	.0004	.00001	.00006
%RSD	25.528	35.837	190.76	10.245	.6493	138.79

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.19433	-.00008	-.00037	.00345	.00357	.03005
SDev	.01692	.00017	.00068	.00095	.00009	.00618
%RSD	8.7076	201.72	184.17	27.476	2.5934	20.579

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.06789	.01619	.00137	.00399	1.180	-.00011
SDev	.0074	.0046	.00011	.00155	.0666	.00028
%RSD	10.912	28.406	8.6178	38.881	5.644	250.74

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.01447	-.00246	H.00347	.00111	.00416	.00420
SDev	.00258	.00183	.00035	.00069	.00125	.00169
%RSD	17.873	74.342	10.311	61.895	30.212	40.348

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00347	-.01961	.01115	.0034	.0004	.00057
SDev	.00107	.00077	.00085	.0009	.0001	0
%RSD	31.037	3.9495	7.6946	26.08	23.59	.02491

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.01652	-.00002	.00029
SDev	.00071	.00044	.00016
%RSD	4.3472	2034	57.604

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Method: ICAPNC Sample Name: MP10472-LCS Operator:
Run Time: 10/20/09 19:42 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	L.12741	49.159	.36605	.90371	.39996	.38387
SDev	.00072	.20651	.00039	.00313	.00151	.00095
%RSD	.56621	.4201	.1067	.34728	.37892	.24944

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	48.280	.37564	.37390	.38614	.39831	48.470
SDev	.28288	.00179	.00197	.0012	.00195	.19489
%RSD	.58593	.47834	.52804	.3117	.4899	.40209

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	49.649	46.776	.40011	.39958	47.18	.37516
SDev	.23051	.13637	.0011	.00361	.2352	.00053
%RSD	.46428	.29154	.27692	.90494	.4985	.14335

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.34728	.37998	.36933	.33976	.37747	.38097
SDev	.00196	.00441	.00239	.00097	.0185	.02565
%RSD	.56722	1.1632	.64866	.28807	4.9014	6.7353

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.36997	.31867	.35007	.3736	.3318	.41384
SDev	.00419	.00519	.00288	.0074	.001	.00175
%RSD	1.133	1.6302	.82335	1.987	.2923	.42336

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.34863	.39866	.38701
SDev	.00137	.00107	.00067
%RSD	.39511	.27059	.17345

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Method: ICAPNC Sample Name: T39647-1B Operator:
Run Time: 10/20/09 19:49 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00307	150.33	.08939	.23630	3.8229	.01836
SDev	.0008	.34408	.00124	.00208	.00748	.00013
%RSD	26.023	.22887	1.3904	.88145	.1959	.71674

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	212.33	.00852	.10015	.19617	.57731	212.99
SDev	1.2371	.00034	.00067	.00089	.00098	1.0344
%RSD	.58262	4.0628	.67793	.45761	.17039	.48565

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	38.237	74.187	3.1453	.02743	18.08	.25405
SDev	.05862	.33788	.01238	.00041	.0827	.00099
%RSD	.15332	.45545	.3938	1.5011	.4577	.3915

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.24999	.45791	.38892	.01123	.00537	.02112
SDev	.00175	.00443	.00293	.00123	.00097	.00118
%RSD	.70111	.96842	.75508	10.993	18.165	5.5959

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02628	-.01973	.02672	.0032	2.225	.70870
SDev	.00407	.00052	.002	.0036	.0061	.00355
%RSD	15.489	2.6703	7.4852	111.9	.2745	.5022

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00917	.41653	1.6087
SDev	.00694	.00178	.00738
%RSD	75.642	.4277	.45878

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Method: ICAPNC Sample Name: MP10472-D1 Operator:
Run Time: 10/20/09 19:55 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00293	149.83	.08311	.23099	3.8594	.01792
SDev	.0005	.6539	.00103	.00317	.02113	.00009
%RSD	17.057	.43644	1.2393	1.3724	.54751	.50439

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	206.89	.00834	.09440	.19325	.56242	206.95
SDev	1.3941	.00031	.00078	.00084	.00342	1.0333
%RSD	.67384	3.8083	.83305	.43592	.60851	.49929

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	37.970	72.334	3.0455	.02586	17.98	.24133
SDev	.27933	.29941	.01379	.00021	.1097	.00135
%RSD	.73567	.41393	.45285	.81311	.6101	.55999

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.23102	.43336	.36622	.00951	.00175	.01602
SDev	.00313	.00592	.00317	.00107	.00267	.00518
%RSD	1.3578	1.3681	.86779	11.268	152.66	32.344

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02696	-.01801	.02327	.0032	2.158	.68087
SDev	.00234	.00652	.00225	.0035	.1097	.00248
%RSD	8.694	36.234	9.6774	110	.45	.36561

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00854	.40998	1.5597
SDev	.00706	.00117	.00587
%RSD	82.695	.28586	.37652

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Method: ICAPNC Sample Name: MP10472-SD1 Operator:
Run Time: 10/20/09 20:02 Filename: R102009
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00501	170.80	.10093	.28199	4.3161	.02189
SDev	.00215	.91843	.0061	.00433	.01807	.00006
%RSD	42.993	.53772	6.049	1.5357	.41875	.31859

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	238.90	.00917	.11784	.22619	.62477	242.10
SDev	.64751	.00025	.00116	.00225	.00263	.66447
%RSD	.27104	2.7327	.98744	.99692	.42137	.27446

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	40.686	86.916	3.6205	.02954	20.81	.30037
SDev	.22734	.19677	.00591	.00161	.0557	.00235
%RSD	.55877	.22639	.16334	5.4623	.2679	.78292

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.30696	.54194	.46496	.01439	.00583	.02228
SDev	.00686	.01351	.00844	.00489	.00797	.0106
%RSD	2.2366	2.4934	1.816	34.028	136.73	47.594

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02938	-.02707	.03397	.0010	2.343	.79952
SDev	.004	.00096	.00783	.01	.0087	.00153
%RSD	13.63	3.5691	23.071	1015	.3721	.19164

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00729	.47236	1.9218
SDev	.00275	.00255	.00564
%RSD	37.836	.54119	.29375

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Method: ICAPNC Sample Name: MP10472-MS Operator:
Run Time: 10/20/09 20:08 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.11133	213.86	.38148	.93180	4.1736	.32995
SDev	.00056	.77337	.00139	.0035	.01321	.00324
%RSD	.5114	.36162	.36695	.3761	.31672	.98454

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	250.69	.30897	.39687	.52126	.91474	244.98
SDev	3.8625	.00216	.00426	.00504	.00243	2.5976
%RSD	1.5407	.6991	1.0743	.96787	.26592	1.0603

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	76.795	113.02	3.3473	.27153	60.35	.54317
SDev	.14815	1.1409	.03034	.00469	.16	.0043
%RSD	.19291	1.0095	.90656	1.7278	.2651	.792

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.51316	.75962	.67778	.29418	.01511	.03212
SDev	.00087	.01415	.0094	.00258	.00254	.00593
%RSD	.17021	1.8629	1.3875	.87807	16.841	18.468

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.01898	.26446	.30912	.0196	2.522	.81212
SDev	.00439	.00872	.00653	.0069	.0115	.00648
%RSD	23.168	3.298	2.1136	35.02	.4571	.79864

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.28534	.74286	1.8664
SDev	.00939	.00633	.01554
%RSD	3.2912	.85218	.83283

Zoom In Zoom Out

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Method: ICAPNC Sample Name: MP10472-MSD Operator:
Run Time: 10/20/09 20:15 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.11019	216.50	.38404	.92406	4.1405	.32743
SDev	.00141	1.0602	.00206	.00551	.01141	.00082
%RSD	1.2841	.4897	.53823	.5972	.27565	.2519

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	254.67	.30621	.39976	.52062	.92853	254.40
SDev	1.6375	.00025	.00127	.00159	.00363	.76433
%RSD	.64299	.08297	.31932	.30659	.39195	.30045

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	76.613	114.75	3.4848	.26686	60.35	.55019
SDev	.41847	.32096	.00802	.00347	.5425	.00143
%RSD	.54622	.27971	.23034	1.3019	.899	.26154

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.50848	.76519	.67992	.28766	.01613	.03470
SDev	.00681	.00892	.00371	.00135	.00174	.00467
%RSD	1.3404	1.1662	.54573	.4713	10.794	13.46

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02105	.25757	.30281	.0175	2.582	.78643
SDev	.00412	.00384	.00392	.0057	.0019	.00196
%RSD	19.608	1.4919	1.2957	32.74	.0738	.24926

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.28398	.74941	1.9312
SDev	.00941	.00249	.00391
%RSD	3.3149	.33358	.20254

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Method: ICAPNC Sample Name: T39505-1 Operator:
Run Time: 10/20/09 20:21 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00610	293.88	.16309	.10431	H62.688	.01369
SDev	.00108	1.6445	.001	.00468	.62751	.00002
%RSD	17.727	.55957	.61679	4.4915	1.001	.15294

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	523.89	.00876	.15229	.56504	.43016	386.09
SDev	1.5489	.00069	.00043	.00328	.00256	1.6651
%RSD	.29564	7.9172	.28514	.58139	.59572	.43127

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	50.118	154.17	6.6285	.06956	65.09	.34382
SDev	.34585	.80791	.03131	.00099	.4081	.00398
%RSD	.69008	.52402	.47244	1.4248	.6271	1.1599

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.04096	.42904	.30007	.00825	.00097	.02705
SDev	.00461	.00142	.00129	.00219	.00439	.00758
%RSD	11.268	.33119	.43177	26.582	450.4	28.046

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.05102	-.02938	.02739	.0016	2.678	3.1872
SDev	.00209	.00512	.00512	.0054	.0118	.01029
%RSD	4.1043	17.445	18.704	340.7	.4397	.32305

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00235	.77592	1.0061
SDev	.01017	.00307	.00487
%RSD	431.85	.39577	.48499

Zoom In Zoom Out

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Method: ICAPNC Sample Name: T39507-1 Operator:
Run Time: 10/20/09 20:28 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00270	283.30	.04308	.04337	H25.949	.01447
SDev	.00082	.78366	.00145	.00366	.03473	.00016
%RSD	30.361	.27662	3.379	8.4522	.13386	1.1397

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	286.74	.00147	.11196	.27753	.35420	296.14
SDev	3.5534	.00089	.00136	.00134	.0007	2.6948
%RSD	1.2392	60.703	1.2157	.48429	.19764	.90999

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	52.281	94.528	5.9402	.03419	10.10	.21872
SDev	.11937	.7617	.0414	.00077	.1151	.00091
%RSD	.22833	.80579	.69699	2.2787	1.139	.41636

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.07314	.38096	.27865	-.00142	-.00313	.01462
SDev	.00662	.01231	.00607	.00227	.00587	.01161
%RSD	9.0626	3.2323	2.1784	159.46	187.79	79.465

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.03858	-.02843	.01224	.0005	.8923	3.9348
SDev	.00567	.00925	.00799	.0089	.0019	.02156
%RSD	14.712	32.55	65.296	1892	.2103	.54808

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00054	.48008	.82324
SDev	.01061	.00351	.00575
%RSD	1940.9	.73287	.69852

Zoom In Zoom Out

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Method: ICAPNC Sample Name: T39649-1B Operator:
Run Time: 10/20/09 20:34 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00343	106.40	.08376	.11688	3.0827	.00948
SDev	.00042	.61421	.001	.00328	.01568	.00009
%RSD	12.509	.57728	1.2043	2.8133	.50891	.95377

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	200.01	.00286	.07544	.13979	.16575	221.26
SDev	1.5402	.00042	.00063	.00091	.00118	1.061
%RSD	.77005	14.748	.83852	.65163	.7167	.47952

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	31.093	70.510	4.7892	.02686	8.380	.18311
SDev	.24915	.2806	.01938	.00039	.078	.00071
%RSD	.80132	.39796	.40486	1.482	.9306	.38875

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.05180	.25038	.18450	.00508	.00039	.01531
SDev	.00271	.00323	.00125	.00015	.00065	.00268
%RSD	5.2374	1.2909	.67976	3.1044	165	17.539

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02959	-.02693	.02110	.0012	.5784	.96309
SDev	.00342	.00216	.00086	.003	.0024	.00412
%RSD	11.572	8.0233	4.0771	258.1	.4101	.4284

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00846	.28206	.80286
SDev	.0041	.00157	.0028
%RSD	48.551	.55756	.34929

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/20/09 20:42 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.25740	41.203	2.0331	2.0392	2.0475	2.0317
SDev	.00146	.12874	.00366	.00785	.00635	.00802
%RSD	.56852	.31246	.18046	.38506	.31047	.39516

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	40.520	1.9906	1.9966	1.9926	2.0202	40.705
SDev	.15482	.00763	.00688	.00773	.00576	.17903
%RSD	.3821	.38336	.34468	.38797	.28542	.43982

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	41.953	40.967	1.9974	2.0240	40.87	1.9995
SDev	.11447	.15158	.00705	.02245	.2102	.00816
%RSD	.27286	.37002	.35343	1.1095	.5143	.4084

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9789	1.9991	1.9926	2.0404	2.0761	2.0814
SDev	.0036	.00481	.00433	.01012	.09091	.11506
%RSD	.182	.24104	.21753	.49597	4.3789	5.5282

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0651	2.0561	2.0324	1.999	1.873	2.0226
SDev	.04276	.00302	.01455	.0103	.0057	.00866
%RSD	2.071	.14734	.71638	.5131	.3052	.42825

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9620	2.0439	2.0218
SDev	.05844	.00715	.00701
%RSD	2.9788	.35009	.34717

Zoom In Zoom Out

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/20/09 20:54 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00011	-.00377	-.00219	.00114	.00000	-.00003
SDev	.00022	.00397	.00102	.00061	.00003	.00001
%RSD	198.99	105.09	46.767	53.389	440.75	57.091

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.00218	.00003	-.00019	.00023	.00005	.00371
SDev	.00058	0	.00028	.00013	.00013	.00087
%RSD	26.916	20.083	142.54	58.191	231.16	23.474

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.00402	.00048	.00005	.00078	.0473	.00007
SDev	.00408	.0009	.00003	.00029	.0444	.00036
%RSD	101.57	188.2	66.466	37.395	93.85	460.51

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00056	-.00166	-.00069	.00183	.00343	.00234
SDev	.00065	.00068	.00025	.00105	.00059	.00076
%RSD	115.47	41.147	36.108	57.819	17.436	32.718

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00505	.00360	.00067	.0019	.0000	.00040
SDev	.00025	.00235	.00161	.002	0	.00017
%RSD	5.1469	65.312	241.3	109.7	104.4	43.08

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00119	-.00031	.00032
SDev	.00136	.00048	.00005
%RSD	114.35	152.92	17.518

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Method: ICAPNC Sample Name: T39650-1B Operator:
Run Time: 10/20/09 21:00 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00549	313.49	.19512	.28458	H97.726	.01407
SDev	.00103	1.7117	.00052	.00556	.59096	.00017
%RSD	18.773	.546	.27115	1.954	.60471	1.2456

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H1116.2	.00995	.15301	.31161	.45587	320.89
SDev	14.518	.0005	.00127	.00252	.00162	3
%RSD	1.3007	5.0476	.8339	.80909	.35714	.93487

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	93.440	252.69	6.1956	.07334	59.28	.29891
SDev	.48177	2.4093	.05285	.00055	.2886	.00283
%RSD	.5156	.95344	.85308	.76292	.4869	.94772

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.04988	.38685	.27491	.00917	.00122	.01987
SDev	.0097	.00848	.00386	.00057	.00511	.01121
%RSD	19.457	2.193	1.4045	6.2486	418.87	56.431

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.03599	-.02411	.02632	.0020	H5.979	1.4609
SDev	.00714	.00945	.00498	.008	.0283	.00962
%RSD	19.862	39.187	18.955	398	.4725	.65864

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00283	.71579	1.1956
SDev	.01127	.00447	.00973
%RSD	398.02	.62494	.81405

Zoom In
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Method: ICAPNC Sample Name: T39651-1 Operator:
Run Time: 10/20/09 21:07 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00388	296.70	.05770	.06102	H59.179	.01433
SDev	.00097	2.0575	.00074	.00502	.56855	.00004
%RSD	25.217	.69345	1.2941	8.2285	.96074	.31824

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	748.34	.00364	.13234	.26711	.42799	297.47
SDev	1.3351	.00054	.00029	.00186	.00368	1.0725
%RSD	.1784	15.009	.22417	.69819	.86064	.36054

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	61.016	135.25	6.0200	.04153	20.74	.30588
SDev	.58087	.60596	.02182	.00019	.1951	.00237
%RSD	.95199	.44803	.36253	.4653	.9408	.77784

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.29971	.61143	.50787	.00203	.00046	.01999
SDev	.00811	.0066	.00324	.00279	.00427	.00796
%RSD	2.7062	1.0795	.63941	137.1	911.35	39.857

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.03855	-.03296	.01985	-.0005	2.784	5.2735
SDev	.00316	.00877	.00056	.0092	.0172	.02117
%RSD	8.212	26.625	2.8462	1986	.6177	.40155

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00154	.52089	.81627
SDev	.01337	.00149	.00408
%RSD	866.41	.28625	.50008

Zoom In
Zoom Out

Analysis Report Averages 10/29/09 09:05:40 AM page 62

Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/20/09 21:15 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.25710	41.185	2.0284	2.0473	2.0461	2.0418
SDev	.00156	.13044	.01116	.00703	.0083	.01459
%RSD	.60786	.31674	.55043	.34342	.40579	.71461

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	40.764	2.0076	2.0068	2.0050	2.0127	40.951
SDev	.2773	.00992	.01225	.01207	.00701	.25211
%RSD	.68027	.49461	.61042	.60207	.34862	.61565

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	41.637	41.098	2.0082	2.0281	40.66	2.0139
SDev	.11294	.25055	.01126	.02978	.1811	.01193
%RSD	.27125	.60964	.56088	1.4685	.4453	.59262

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9880	2.0113	2.0038	2.0483	2.0826	2.0866
SDev	.01093	.01503	.01366	.01129	.09577	.1221
%RSD	.55023	.74748	.68187	.55133	4.5988	5.8516

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0740	2.0591	2.0427	1.992	1.871	2.0329
SDev	.04336	.00501	.01447	.023	.007	.01091
%RSD	2.0907	.24352	.70853	1.154	.3731	.53673

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9604	2.0535	2.0322
SDev	.06928	.01092	.01122
%RSD	3.5341	.53207	.55219

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/20/09 21:25 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00050	.00050	-.00166	.00123	.00015	-.00007
SDev	.00014	.00175	.00035	.0006	.00007	.00001
%RSD	29.391	347.26	21.616	48.775	47.566	13.938

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.00325	.00015	-.00003	.00037	.00015	.00184
SDev	.00375	.00011	.0002	.00013	.00013	.00095
%RSD	115.55	74.427	545.25	36.012	87.011	52.125

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.00993	.00130	.00007	.00116	.0610	.00099
SDev	.00588	.00245	.00002	.0006	.0177	.00049
%RSD	59.24	188.51	31.955	51.932	28.98	50.365

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00040	-.00206	-.00100	.00222	.00444	.00394
SDev	.00127	.00118	.00068	.00143	.00044	.00057
%RSD	314.28	57.344	68.263	64.414	10.018	14.567

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00487	.00374	.00117	.0020	.0000	.00109
SDev	.0002	.00143	.00147	.0001	0	0
%RSD	4.1698	38.314	125.39	2.642	43.68	.25844

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00202	-.00016	.00000
SDev	.00148	.00016	0
%RSD	73.329	99.147	104.19

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Analysis Report Averages 10/29/09 09:05:40 AM page 64

Method: ICAPNC Sample Name: MP10490-MB1 Operator:
Run Time: 10/20/09 21:31 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00038	.00340	-.00168	.00127	.00007	-.00008
SDev	.00011	.00416	.00083	.00025	.00006	.00002
%RSD	30.769	122.46	49.669	19.892	94.14	34.545

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.00314	.00008	-.00002	.00029	.00012	.00318
SDev	.00188	.00008	.00007	.00016	.00004	.00809
%RSD	59.98	93.085	340.29	57.432	32.517	253.84

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.01282	.00136	.00008	.00031	.0831	.00058
SDev	.00331	.0021	.00002	.00023	.0538	.00025
%RSD	25.839	154.01	25.639	74.845	64.74	43.322

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00080	-.00056	.00012	.00007	.00125	.00080
SDev	.0011	.00092	.0003	.00194	.00046	.00032
%RSD	138.02	165.19	243.24	2548.5	36.984	40.264

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00157	.00113	-.00074	.0016	.0000	.00057
SDev	.00086	.00045	.00276	.0005	0	.00017
%RSD	54.955	40.362	371.52	28.58	31.17	30.205

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00137	.00021	.00002
SDev	.00084	.00022	.00012
%RSD	61.499	103.85	587.06

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Method: ICAPNC Sample Name: MP10490-LC1 Operator:
Run Time: 10/20/09 21:38 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.75196	160.90	1.7858	1.5646	3.9698	1.2052
SDev	.00381	.90612	.00863	.00989	.01732	.00383
%RSD	.50688	.56316	.48334	.63214	.43647	.31789

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	115.43	2.0618	3.1923	1.0620	1.5354	241.33
SDev	.4716	.00668	.01274	.0041	.00717	.93451
%RSD	.40856	.32441	.39913	.38643	.46753	.38724

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	50.773	62.788	7.5920	1.0065	9.542	1.1497
SDev	.32425	.23219	.02811	.00898	.0695	.0022
%RSD	.63864	.3698	.37035	.89222	.7279	.19208

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.7173	1.9261	1.8567	1.6723	1.0486	1.0641
SDev	.00466	.01244	.00973	.0076	.03452	.04303
%RSD	.27186	.64598	.52408	.45475	3.2928	4.0445

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	1.0174	1.6785	1.6693	1.359	1.943	7.5622
SDev	.01817	.00515	.01228	.0066	.0084	.02942
%RSD	1.7868	.30734	.73588	.488	.4322	.38905

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	2.9894	2.3773	4.3774
SDev	.10992	.00871	.01651
%RSD	3.6772	.36656	.37733

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Method: ICAPNC Sample Name: T39188-1 Operator:
Run Time: 10/20/09 21:44 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.01495	4.3520	.12801	.03612	6.1675	.00017
SDev	.00024	.02352	.00179	.00282	.01835	.00007
%RSD	1.6459	.54057	1.4051	7.828	.29753	41.089

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	16.989	.00220	.07679	.55873	3.3745	224.27
SDev	.16768	.00024	.00083	.00417	.01493	1.5476
%RSD	.98703	11.068	1.0883	.7475	.44258	.69005

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	1.1821	1.7745	5.6461	.22826	16.93	.64135
SDev	.00436	.01341	.03071	.00234	.1684	.00348
%RSD	.36915	.7562	.54392	1.0258	.9948	.54407

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.02609	.13992	.08489	.00386	.03257	.04522
SDev	.0018	.00266	.0013	.00139	.00421	.0038
%RSD	6.9164	1.9011	1.5331	36.165	12.945	8.404

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00704	-.01823	.01482	.1981	.6689	.11737
SDev	.00504	.00069	.00172	.0019	.001	.00307
%RSD	71.542	3.8263	11.657	.9638	.1435	2.6196

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.01296	.05460	.33929
SDev	.01435	.00065	.00176
%RSD	110.75	1.208	.51959

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Method: ICAPNC Sample Name: MP10490-D1 Operator:
Run Time: 10/20/09 21:51 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.01491	4.4973	.13227	.04988	6.6679	.00024
SDev	.00035	.04169	.00214	.00316	.06071	.00003
%RSD	2.3954	.92711	1.6241	6.3428	.91059	16.017

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	17.551	.00202	.08329	.58623	3.3823	232.14
SDev	.12732	.00006	.00073	.00527	.02875	1.8626
%RSD	.72548	3.1695	.88563	.90016	.85029	.80239

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	1.1794	1.6675	5.9037	.24606	19.59	.71299
SDev	.02519	.01305	.04832	.00061	.1843	.00581
%RSD	2.1361	.78311	.8186	.25157	.9412	.81539

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.03229	.14444	.08584	.00452	.02455	.03761
SDev	.00086	.00049	.00053	.00153	.00027	.00047
%RSD	2.6773	.34248	.62757	34.001	1.1318	1.2614

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00176	-.01763	.01554	.2042	.7036	.11956
SDev	.00149	.00102	.00198	.0013	.006	.00086
%RSD	84.891	5.8199	12.798	.6526	.852	.72224

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00185	.05690	.31934
SDev	.00265	.00049	.00268
%RSD	143.47	.87009	.83932

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Method: ICAPNC Sample Name: MP10490-SD1 Operator:
Run Time: 10/20/09 21:57 Filename: R102009
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.01528	4.5122	.12716	.03558	6.4535	-.00034
SDev	.00187	.03315	.00038	.0006	.03176	.0001
%RSD	12.295	.73481	.30614	1.7136	.49228	31.656

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	17.872	.00229	.08054	.58109	3.4140	228.70
SDev	.11373	.00101	.00098	.00479	.01546	1.3199
%RSD	.6364	44.265	1.2237	.82507	.45305	.57711

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	1.0555	1.8698	5.9088	.23710	17.89	.68101
SDev	.03868	.02751	.03187	.00223	.0652	.00409
%RSD	3.6646	1.4715	.53938	.94444	.3644	.6014

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.02253	.14167	.08823	.00503	.02524	.03587
SDev	.00527	.00445	.00229	.00445	.00196	.00144
%RSD	23.426	3.1429	2.5957	88.417	7.7962	4.0155

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00156	-.01246	.01260	.2104	.6750	.11764
SDev	.00793	.01063	.01194	.0128	.0034	.00064
%RSD	506.14	85.286	94.708	6.093	.5078	.5502

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.01145	.05725	.39004
SDev	.00283	.00179	.00198
%RSD	24.725	3.1378	.50888

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Method: ICAPNC Sample Name: MP10490-S1 Operator:
Run Time: 10/20/09 22:04 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.22877	59.280	.56462	1.0436	7.8341	.42204
SDev	.00188	.32227	.00384	.01068	.05147	.00218
%RSD	.8241	.54365	.68119	1.0243	.65707	.51784

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	71.952	.40144	.49684	1.0874	4.5119	326.73
SDev	.43044	.00237	.0025	.00679	.02488	1.9385
%RSD	.59823	.59231	.50484	.62457	.55154	.5933

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	54.198	53.463	7.2874	.70453	73.19	1.2066
SDev	.25872	.30953	.04451	.0043	.3681	.00813
%RSD	.47738	.57896	.61086	.61042	.5029	.67384

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.32035	.58163	.49489	.39868	.39604	.41377
SDev	.00162	.00281	.00213	.0024	.00942	.01375
%RSD	.50595	.48411	.4312	.60336	2.3794	3.3249

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.36055	.37243	.41187	.6234	1.200	.57352
SDev	.00075	.00693	.00596	.0031	.0072	.00245
%RSD	.20972	1.8627	1.4484	.4976	.5993	.42782

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.02996	.48514	.77548
SDev	.00298	.00278	.00416
%RSD	9.9671	.57369	.53647

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Method: ICAPNC Sample Name: MP10490-S2 Operator:
Run Time: 10/20/09 22:10 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.23435	60.902	.57246	1.0689	7.7722	.43035
SDev	.00131	.32137	.00104	.00754	.0427	.00188
%RSD	.5614	.52769	.1833	.70567	.54948	.43687

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	73.672	.41062	.50196	1.0879	4.3149	327.76
SDev	.34001	.00155	.00229	.00418	.02788	1.5023
%RSD	.46152	.37971	.45796	.38432	.64622	.45835

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	56.046	54.786	7.3826	.70549	73.68	1.2013
SDev	.38182	.24201	.02977	.0066	.3825	.00466
%RSD	.68126	.44174	.40324	.93584	.5192	.3885

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.31066	.57350	.48623	.41022	.39439	.41266
SDev	.00217	.00469	.00263	.00129	.01012	.01348
%RSD	.70048	.81907	.54121	.31448	2.5666	3.2673

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.35783	.38832	.42122	.6239	1.203	.87433
SDev	.00403	.0043	.00309	.0017	.0063	.00493
%RSD	1.1272	1.1084	.73546	.2734	.5256	.56434

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.03773	.49477	.82362
SDev	.00445	.00239	.00349
%RSD	11.806	.48492	.42432

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Method: ICAPNC Sample Name: T39316-15 Operator:
Run Time: 10/20/09 22:17 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.04104	34.128	.05572	-.01405	1.1678	.00284
SDev	.00016	.07842	.00055	.00465	.0025	.00002
%RSD	.39737	.2298	.9918	33.131	.21424	.83624

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H1441.2	.01109	.11535	.96753	.42075	285.88
SDev	3.2976	.00027	.00044	.00387	.00089	1.1702
%RSD	.2288	2.504	.38361	.40095	.21203	.40931

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	4.5647	29.972	5.5288	.24914	7.555	.96334
SDev	.01055	.10545	.01681	.00235	.0781	.00177
%RSD	.23131	.35183	.30413	.94345	1.034	.1847

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.70824	.93844	.86203	.00755	.00609	.02429
SDev	.0007	.00383	.00273	.001	.00099	.00005
%RSD	.09889	.40869	.31757	13.337	16.252	.22107

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.03043	-.02726	.02548	.0708	2.605	.88457
SDev	.00289	.00248	.00182	.0024	.0063	.0054
%RSD	9.5248	9.0979	7.1793	3.419	.243	.61054

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00039	.22707	1.3409
SDev	.00289	.00085	.00372
%RSD	727.09	.37798	.27765

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Method: ICAPNC Sample Name: T39420-1 Operator:
Run Time: 10/20/09 22:23 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00062	.17443	.00151	.00986	.00235	-.00033
SDev	.00022	.00416	.00043	.00031	.00003	0
%RSD	36.365	2.3903	29.071	3.227	1.6656	2.3554

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	2.8085	.00000	.00065	.00123	.00574	.25648
SDev	.00542	.00004	.00004	.00008	.00004	.00336
%RSD	.19304	516.73	6.3657	7.0118	.78877	1.3134

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.01337	.09049	.00604	.01530	.3650	.04293
SDev	.0028	.00095	.00003	.0001	.0585	.00048
%RSD	20.949	1.0517	.65031	.66493	16.03	1.1383

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00259	-.00068	.00060	.00282	.00187	.00190
SDev	.00103	.00016	.00042	.00187	.00084	.00101
%RSD	40.01	24.618	69.777	66.498	45.199	53.198

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00125	.00149	.00321	.0201	.0037	.00594
SDev	.00121	.00292	.00144	.001	0	.00032
%RSD	96.576	195.3	45.068	4.718	.3227	5.4832

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00347	.48933	.00924
SDev	.00314	.00118	.00006
%RSD	90.622	.24283	.74292

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Method: ICAPNC Sample Name: T39420-2 Operator:
Run Time: 10/20/09 22:30 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00059	.77575	.00059	.00955	.01149	-.00025
SDev	.00031	.00218	.00023	.00027	0	.00004
%RSD	53.586	.28121	40.205	2.8906	.06869	18.252

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	13.706	.00007	.00046	.00204	.00531	.64049
SDev	.09124	.00006	.00031	.00018	.00012	.00886
%RSD	.66571	86.27	69.015	9.05	2.3876	1.3837

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.28750	.38981	.03596	.00868	.8972	.04169
SDev	.00828	.00254	.00018	.00012	.0418	.00025
%RSD	2.8829	.65285	.51177	1.4829	4.658	.61155

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00667	.00216	.00386	.00165	.00138	.00125
SDev	.00233	.00143	.0002	.0016	.00039	.00045
%RSD	34.932	66.401	5.2369	96.949	28.281	36.419

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00107	-.00109	.00275	.0204	.0141	.01286
SDev	.00031	.00223	.00142	.0003	0	.00014
%RSD	29.391	203.39	51.75	1.577	.1964	1.1581

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00442	.32518	.02894
SDev	.00076	.00087	.00031
%RSD	17.246	.2687	1.1038

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/20/09 22:38 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.25711	41.169	2.0199	2.0386	2.0565	2.0120
SDev	.0012	.27709	.00717	.00779	.00876	.00572
%RSD	.4693	.67305	.35535	.38217	.42609	.28439

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	40.171	1.9799	1.9747	1.9738	2.0215	40.354
SDev	.14574	.0055	.00708	.00722	.01006	.16207
%RSD	.3628	.27784	.35853	.36614	.49808	.40164

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	42.146	40.544	1.9812	2.0012	40.82	1.9902
SDev	.20838	.15146	.00722	.02407	.2863	.00634
%RSD	.49444	.37358	.36466	1.2028	.7013	.31867

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9666	1.9912	1.9833	2.0406	2.0607	2.0564
SDev	.00626	.00745	.00606	.00937	.08902	.11285
%RSD	.31865	.37462	.30572	.45956	4.3201	5.4878

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0688	2.0597	2.0309	1.941	1.875	2.0259
SDev	.04161	.01013	.00922	.01	.007	.00992
%RSD	2.0113	.49194	.45416	.5128	.373	.48981

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9511	2.0355	2.0135
SDev	.06564	.00723	.00631
%RSD	3.3645	.35537	.31362

Zoom In Zoom Out

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/20/09 22:48 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00037	.00745	-.00182	.00178	.00005	-.00010
SDev	.0002	.00174	.00021	.00066	.00003	.00002
%RSD	55.048	23.468	11.584	37.076	61.625	21.923

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.00332	.00007	.00021	.00031	.00034	.00989
SDev	.00174	.00003	.00039	.00032	.00019	.00136
%RSD	52.567	45.902	180.38	103.38	56.527	13.843

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.00300	.00662	.00007	.00115	.0650	.00038
SDev	.01082	.00093	.00004	.00065	.0575	.00055
%RSD	359.92	14.081	53.804	56.857	88.38	143.13

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00011	-.00185	-.00104	.00000	H.00555	.00560
SDev	.00175	.00049	.00078	.00019	.00108	.00156
%RSD	1569.7	26.9	75.917	6640.3	19.602	27.896

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00488	.00150	-.00104	.0019	.0000	.00045
SDev	.00199	.00034	.00027	.0003	0	.00019
%RSD	40.785	22.58	26.069	18.05	33.16	43.387

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00192	.00039	.00004
SDev	.00105	.00024	.00005
%RSD	54.527	62.957	112.25

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Method: ICAPNC Sample Name: T39529-1 Operator:
Run Time: 10/20/09 22:54 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.02740	89.260	.04299	.62361	5.6032	.00097
SDev	.00022	.50525	.0006	.00216	.0285	.00003
%RSD	.83781	.56605	1.4156	.34675	.50872	3.7544

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	215.65	.00469	.00963	.09252	2.1169	24.661
SDev	1.4535	.00011	.00051	.00099	.01255	.13834
%RSD	.674	2.5409	5.3735	1.0765	.59317	.561

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	24.873	21.472	1.7755	.04979	44.65	.07135
SDev	.20275	.10091	.00882	.00089	.332	.0004
%RSD	.81514	.46995	.49722	1.7908	.7436	.5623

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.06496	.11462	.09836	.05391	.00602	.00778
SDev	.00077	.00186	.00107	.00124	.00133	.00296
%RSD	1.1957	1.6257	1.0959	2.3094	22.16	38.096

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00198	.05396	.05368	.1974	2.470	.13106
SDev	.00198	.00403	.0022	.0012	.0121	.00087
%RSD	100.02	7.4783	4.105	.5915	.4897	.66779

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00213	.06856	4.1178
SDev	.00225	.00064	.01807
%RSD	105.95	.93494	.43897

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Method: ICAPNC Sample Name: T39532-1 Operator:
Run Time: 10/20/09 23:01 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00154	689.71	.15756	.03983	.44420	.00354
SDev	.00021	8.0696	.00287	.00089	.00456	.00002
%RSD	13.651	1.17	1.8221	2.234	1.0266	.63747

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	12.011	-.00109	.00883	.13235	.19636	70.258
SDev	.09363	.00061	.00007	.00126	.00204	.65999
%RSD	.77957	55.884	.83289	.95474	1.0418	.93938

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	6.0510	5.3135	2.9689	.02448	6.953	.04500
SDev	.08304	.05234	.02837	.00056	.1102	.00099
%RSD	1.3724	.98503	.95573	2.3068	1.585	2.2008

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.16605	.09212	.00642	.01012	-.00099	-.00093
SDev	.00363	.0035	.00138	.00372	.00244	.00682
%RSD	2.1898	3.8037	21.498	36.739	245.45	732.89

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00159	.00618	.01184	.0262	.1135	.40474
SDev	.00634	.00422	.00758	.015	.0011	.00346
%RSD	397.6	68.307	63.983	57.28	.9629	.8569

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00662	.15829	.10374
SDev	.01496	.00153	.00071
%RSD	225.83	.96874	.69205

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Method: ICAPNC Sample Name: T39533-1 Operator:
Run Time: 10/20/09 23:07 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00215	H1132.1	.44890	.07370	1.0395	.00863
SDev	.00044	9.2015	.00203	.00026	.00588	.00003
%RSD	20.741	.81277	.45322	.36546	.56621	.44524

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	26.955	-.00129	.03394	.11728	1.8832	108.09
SDev	.16716	.00063	.00038	.00082	.01282	.69006
%RSD	.62018	48.973	1.1343	.69955	.68104	.63838

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	10.312	9.5032	5.9249	.02876	7.630	.11631
SDev	.06795	.05809	.03657	.00091	.0843	.00096
%RSD	.65903	.61131	.61735	3.1967	1.105	.82807

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.22218	.17160	.04071	.01924	.00080	.00652
SDev	.00151	.00335	.00215	.00367	.00503	.00833
%RSD	.68275	1.9552	5.2845	19.077	627	127.72

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.01106	.01630	.02052	.0128	.3863	.60731
SDev	.00506	.00634	.00836	.0166	.0021	.00554
%RSD	45.792	38.907	40.73	130	.555	.91229

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00425	.24771	.66855
SDev	.01491	.00122	.00375
%RSD	350.35	.49373	.56121

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Method: ICAPNC Sample Name: T39878-1 Operator:
Run Time: 10/20/09 23:14 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00448	237.97	.08185	-.00564	1.9205	.01176
SDev	.00073	.93973	.00144	.00324	.01085	.00004
%RSD	16.445	.39489	1.7644	57.442	.56537	.39643

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	542.83	.00693	.15076	.27289	.29786	338.42
SDev	1.8847	.00043	.00054	.00235	.00135	1.2926
%RSD	.3472	6.3406	.36316	.86298	.45617	.38195

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	31.959	111.07	8.1398	.04282	21.51	.53111
SDev	.13989	.35731	.03365	.00059	.0911	.00359
%RSD	.43773	.32169	.41345	1.3834	.4236	.6767

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.09664	.24061	.12855	-.00095	.00114	.02211
SDev	.00355	.00333	.00159	.00024	.0034	.00606
%RSD	3.6773	1.3849	1.2416	25.632	296.02	27.417

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.04068	-.02934	.01353	.0195	1.299	6.7766
SDev	.00193	.00372	.00204	.0065	.0058	.02987
%RSD	4.7454	12.693	15.078	33.5	.4486	.4408

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00764	.61521	.67717
SDev	.00943	.00198	.00229
%RSD	123.43	.32243	.33893

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Method: ICAPNC Sample Name: T39878-3 Operator:
Run Time: 10/20/09 23:20 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00315	145.26	.07024	.00310	3.4873	.00936
SDev	.00033	.7529	.00032	.00221	.0132	.00007
%RSD	10.746	.51833	.46253	71.521	.37857	.77092

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	563.53	.00761	.10978	.17159	.26086	261.84
SDev	4.8235	.00042	.00067	.001	.00111	1.3972
%RSD	.85595	5.6147	.6174	.58409	.42615	.5336

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	23.806	73.506	10.550	.03436	43.49	.37186
SDev	.11922	.36924	.05386	.0005	.2754	.00077
%RSD	.5008	.50233	.51056	1.4628	.6334	.20762

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.05583	.19492	.11161	-.00143	.00334	.02145
SDev	.00349	.00424	.00167	.00057	.00067	.00196
%RSD	6.2682	2.1766	1.4963	39.785	20.235	9.1452

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.03293	-.02652	.01133	.0186	1.466	5.0629
SDev	.0019	.00186	.00128	.0038	.0057	.02176
%RSD	5.7777	7.0368	11.303	20.33	.3888	.4298

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00200	.44850	.51023
SDev	.0074	.00241	.00285
%RSD	369.53	.53843	.55935

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Method: ICAPNC Sample Name: T39878-4 Operator:
Run Time: 10/20/09 23:27 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00263	315.48	.08282	.09665	3.0697	.01341
SDev	.00117	1.2664	.00227	.00358	.01318	.00004
%RSD	44.8	.40143	2.7446	3.7076	.42955	.3408

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	862.90	.00295	.09104	.28783	.19453	258.16
SDev	3.7769	.0008	.00028	.0029	.00053	1.1544
%RSD	.4377	27.413	.31029	1.0103	.27333	.44716

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	52.120	114.74	4.7752	.03360	1.186	.22838
SDev	.21706	.47962	.02282	.00027	.1869	.00253
%RSD	.41647	.41801	.4779	.82911	15.76	1.1089

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.05868	.24051	.14110	.00166	.00253	.01817
SDev	.00727	.00596	.00195	.00059	.00349	.00799
%RSD	12.398	2.478	1.3851	35.498	137.61	43.979

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02880	-.02257	.01413	.0272	1.604	5.4487
SDev	.00568	.00953	.00465	.0092	.0067	.01862
%RSD	19.739	42.215	32.905	33.86	.418	.34179

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00395	.59943	.58995
SDev	.01226	.00238	.00223
%RSD	310.58	.39745	.3791

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Method: ICAPNC Sample Name: T39911-7 Operator:
Run Time: 10/20/09 23:33 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00407	364.08	.08320	.04129	1.5016	.00951
SDev	.00036	.7682	.00205	.00297	.0027	.00008
%RSD	8.9083	.211	2.4668	7.1973	.18005	.84927

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	25.090	-.00274	.05193	.47291	.13395	340.28
SDev	.14089	.00057	.00023	.00104	.0003	1.349
%RSD	.56155	20.863	.46052	.22007	.22976	.39643

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	30.543	31.618	1.1014	.04066	.1864	.12281
SDev	.11878	.0705	.00226	.00121	.105	.00086
%RSD	.38892	.22299	.2054	2.9894	56.35	.70639

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.11334	.27250	.14423	.00474	-.00249	.01820
SDev	.00417	.00378	.00112	.00132	.00476	.0084
%RSD	3.6803	1.3891	.78129	27.97	191.08	46.184

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.04385	-.02542	.01988	.0240	.3906	1.8117
SDev	.00296	.00509	.00449	.0067	.001	.00577
%RSD	6.755	20.027	22.584	28.03	.251	.31883

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00662	.64660	.45979
SDev	.00944	.00207	.0011
%RSD	142.58	.3212	.24091

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Analysis Report Averages 10/29/09 09:05:40 AM page 83

Method: ICAPNC Sample Name: T39911-8 Operator:
Run Time: 10/20/09 23:40 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00024	161.00	.02658	.03650	.58186	.00393
SDev	.00035	.88773	.00115	.00074	.00246	.00003
%RSD	144.24	.55137	4.3607	2.0496	.42308	.77917

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	3.4791	-.00099	.03606	.19616	.06328	88.003
SDev	.0268	.00015	.00011	.00073	.00043	.56395
%RSD	.77051	15.486	.32023	.37241	.68432	.64083

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	10.933	12.840	1.1965	.01159	.0801	.05265
SDev	.03646	.07332	.00679	.00014	.0955	.00021
%RSD	.33349	.57108	.56796	1.2245	119.2	.41397

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00003	.11782	.07888	-.00026	-.00104	.00443
SDev	.00262	.0032	.00142	.00015	.00127	.00261
%RSD	6640	2.7166	1.8037	56.217	122.55	58.844

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.01239	-.01419	.00647	.0218	.1092	1.3081
SDev	.00146	.00341	.00183	.0035	.0005	.00866
%RSD	11.855	24.037	28.38	16.29	.464	.66271

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00294	.21433	.18458
SDev	.00453	.00101	.00102
%RSD	154.04	.47534	.55795

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Analysis Report Averages 10/29/09 09:05:40 AM page 84

Method: ICAPNC Sample Name: T39911-9 Operator:
Run Time: 10/20/09 23:46 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.01549	148.59	.26366	.02801	1.8028	.00623
SDev	.00058	.63889	.00222	.00565	.00625	.00002
%RSD	3.8031	.42996	.84377	20.199	.34714	.33692

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	30.345	L-.00660	.08425	.75785	.99504	849.60
SDev	.04983	.00068	.00053	.0028	.00348	2.1112
%RSD	.16422	10.413	.63912	.36976	.35039	.24849

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	9.0217	7.5457	6.3388	.12537	1.436	.19664
SDev	.05745	.02182	.01783	.00092	.0276	.0013
%RSD	.63684	.28929	.28132	.74047	1.919	.66614

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.2063	1.9114	1.6769	.00793	.00343	.05825
SDev	.00711	.0037	.00076	.00128	.0037	.00607
%RSD	.58954	.19403	.0457	16.245	107.62	10.428

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.10539	-.06597	.04539	.0908	.5570	1.5936
SDev	.00105	.00164	.00235	.0027	.0018	.00209
%RSD	.99973	2.4988	5.1783	2.925	.3313	.13148

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.02829	.33180	2.1224
SDev	.01002	.00085	.00737
%RSD	35.435	.25804	.34751

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Method: ICAPNC Sample Name: T39911-10 Operator:
Run Time: 10/20/09 23:53 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00244	207.88	.04082	.04193	.76803	.00659
SDev	.00028	.98072	.00079	.00154	.00296	.00002
%RSD	11.801	.47177	1.9439	3.68	.38546	.42599

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	17.316	-.00203	.04633	.27252	.07848	232.20
SDev	.03913	.00012	.00033	.00062	.0003	.54413
%RSD	.22601	6.2917	.72352	.22791	.39065	.23433

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	12.112	15.973	3.4967	.02900	.3711	.06567
SDev	.04413	.02929	.00874	.00005	.0673	.00058
%RSD	.36438	.18337	.25014	.19284	18.14	.8866

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.05832	.19193	.10887	.00374	-.00105	.01349
SDev	.00239	.00046	.00051	.00096	.00316	.00618
%RSD	4.1006	.24084	.46925	25.76	299.69	45.826

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.03031	-.01740	.01425	.0174	.1778	1.0389
SDev	.00288	.00273	.00262	.0036	.0006	.0032
%RSD	9.5139	15.721	18.394	20.43	.3427	.30895

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00245	.37817	.19335
SDev	.00225	.00068	.00066
%RSD	92.179	.18162	.34253

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Analysis Report Averages 10/29/09 09:05:40 AM page 86

Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/21/09 00:01 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.25545	40.922	2.0128	2.0213	2.0475	2.0074
SDev	.00043	.02183	.00413	.00216	.00421	.0031
%RSD	.17128	.05334	.2054	.10689	.20583	.15461

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	40.218	1.9794	1.9631	1.9683	2.0087	40.244
SDev	.0318	.00212	.00226	.00121	.00309	.04649
%RSD	.07907	.10725	.1155	.06162	.15405	.11553

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	41.907	40.313	1.9746	1.9930	40.34	1.9828
SDev	.05846	.05424	.00189	.01974	.0594	.0027
%RSD	.13951	.13455	.096	.99061	.1473	.13619

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9566	1.9922	1.9806	2.0323	2.0480	2.0408
SDev	.00249	.0086	.00589	.00852	.0897	.11561
%RSD	.12772	.43196	.29788	.41943	4.3801	5.665

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0621	2.0485	2.0240	1.926	1.871	2.0010
SDev	.0379	.00402	.01159	.0088	.0035	.00354
%RSD	1.8382	.19645	.57281	.4587	.1892	.17728

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9509	2.0274	2.0106
SDev	.05759	.00244	.00155
%RSD	2.9523	.12059	.07717

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/21/09 00:11 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00019	.00871	-.00221	.00063	.00000	-.00012
SDev	.00032	.00324	.0004	.00028	.00003	.00001
%RSD	169.95	37.259	18.199	45.234	1872.5	11.346

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.00119	.00004	.00006	.00011	-.00004	.00698
SDev	.00046	.00003	.0001	.00013	.00003	.00334
%RSD	38.951	76.103	150	113.65	84.695	47.848

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.00116	.00324	.00005	.00066	.0045	.00037
SDev	.00693	.00163	.00001	.00043	.0281	.00006
%RSD	594.94	50.399	35.272	64.737	622.9	16.081

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00039	-.00146	-.00062	.00096	.00463	.00458
SDev	.00102	.00089	.00089	.00067	.00156	.0016
%RSD	260.29	61.115	143.88	69.801	33.699	35.009

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00416	.00107	.00061	.0015	.0000	.00057
SDev	.00151	.00106	.00056	.0011	0	0
%RSD	36.424	99.142	92.392	71.28	8.841	.00639

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00125	.00015	-.00006
SDev	.00108	.00009	.00003
%RSD	86.709	63.056	61.732

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Method: ICAPNC Sample Name: T39911-11 Operator:
Run Time: 10/21/09 00:17 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00273	179.03	.06205	.01275	.27275	.00208
SDev	.00009	.56848	.00095	.0015	.00036	.00004
%RSD	3.3941	.31754	1.5433	11.782	.1347	2.2727

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	12.417	-.00135	.00944	.26551	.07949	197.99
SDev	.05987	.0003	.00015	.00072	.00029	.76118
%RSD	.48223	22.526	1.6833	.27152	.36879	.38446

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	5.5484	5.3811	.62309	.03329	.1096	.06920
SDev	.02037	.02321	.00218	.00006	.025	.00016
%RSD	.36717	.43148	.35109	.18862	22.84	.24423

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.06606	.27417	.20514	.00050	.00243	.01448
SDev	.00156	.00219	.00191	.00207	.0003	.00082
%RSD	2.376	.79926	.93294	410.85	12.682	5.6774

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02190	-.02018	.01074	.0244	.0675	1.8902
SDev	.0009	.00424	.00166	.0045	.0001	.00623
%RSD	4.1364	21.025	15.508	18.42	.2067	.33004

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00468	.55266	.17357
SDev	.00729	.00183	.00051
%RSD	155.72	.33259	.29392

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Method: ICAPNC Sample Name: T39911-12 Operator:
Run Time: 10/21/09 00:24 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00155	240.25	.06678	.02226	1.6304	.00976
SDev	.00046	1.2009	.00196	.00245	.00865	.00004
%RSD	29.83	.49984	2.9374	11.028	.53079	.44505

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	4.4821	-.00201	.11479	.26926	.08907	228.00
SDev	.02604	.00025	.0007	.00224	.00059	1.3377
%RSD	.58097	12.517	.61114	.83203	.66395	.58668

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	13.827	23.646	3.3327	.02821	.9352	.11642
SDev	.05587	.13656	.02091	.00058	.0349	.0013
%RSD	.40408	.57754	.62748	2.0724	3.727	1.1196

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.06317	.19359	.10834	.00178	-.00118	.01286
SDev	.00153	.00054	.00028	.00134	.00219	.00278
%RSD	2.4319	.27951	.26292	75.454	184.94	21.659

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02941	-.02051	.01286	.0173	.2160	1.3053
SDev	.00194	.004	.0001	.0043	.0012	.00404
%RSD	6.6273	19.518	.81077	24.62	.5425	.30979

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00488	.45463	.39720
SDev	.00438	.00247	.0023
%RSD	89.836	.54342	.58029

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Method: ICAPNC Sample Name: T39941-1 Operator:
Run Time: 10/21/09 00:30 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00381	217.24	.18587	.13440	H48.166	.01069
SDev	.0004	1.0095	.00082	.00151	.21496	.00002
%RSD	10.531	.46468	.44642	1.1257	.44629	.25988

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	936.18	.00717	.10176	.29885	.35184	284.82
SDev	2.5008	.00036	.00036	.00055	.00154	1.0482
%RSD	.26713	5.1298	.35649	.18562	.44042	.36803

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	45.906	210.05	5.8281	.07115	57.19	.22810
SDev	.18478	.54882	.01865	.00092	.3874	.00058
%RSD	.40252	.26128	.32007	1.2978	.6774	.25509

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.07135	.36940	.27037	.00817	.00466	.02346
SDev	.00289	.0033	.00126	.00131	.00248	.00535
%RSD	4.0519	.89569	.46814	16.12	53.379	22.842

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.03291	-.01922	.02230	.0255	4.407	4.0789
SDev	.00336	.00303	.00313	.006	.016	.01794
%RSD	10.218	15.797	14.034	23.56	.3642	.44005

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00220	.63885	1.5934
SDev	.00551	.00218	.00509
%RSD	249.72	.34233	.31959

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Method: ICAPNC Sample Name: T39942-1 Operator:
Run Time: 10/21/09 00:37 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00490	215.37	.29752	.21412	4.7183	.01263
SDev	.00054	.86939	.00104	.00321	.02189	.00003
%RSD	11.041	.40366	.35246	1.5016	.46414	.27217

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H1104.7	.00718	.10860	.39870	.47086	329.09
SDev	5.988	.00041	.00046	.00024	.0023	.7957
%RSD	.54203	5.7415	.43106	.06021	.48868	.24178

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	41.688	331.48	4.6159	.12289	66.99	.31367
SDev	.31509	.74353	.00771	.00101	.3561	.00064
%RSD	.75583	.2243	.16709	.8238	.5315	.2042

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.02131	.35815	.24624	.00898	.00633	.03054
SDev	.00154	.00285	.00137	.00195	.00118	.00266
%RSD	7.2314	.7966	.55793	21.768	18.723	8.72

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.04190	-.02308	.02555	.0202	H7.084	2.9454
SDev	.00192	.00218	.00369	.0056	.0261	.0053
%RSD	4.594	9.4642	14.453	27.47	.3682	.17996

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00231	.90484	1.2027
SDev	.00542	.00181	.00252
%RSD	234.67	.20072	.20985

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Analysis Report Averages 10/29/09 09:05:40 AM page 92

Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/21/09 00:45 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.25655	41.105	2.0225	2.0417	2.0558	2.0194
SDev	.00017	.02311	.00584	.00464	.00279	.0013
%RSD	.06814	.05623	.28918	.22742	.13601	.06454

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	40.327	1.9932	1.9753	1.9794	2.0165	40.486
SDev	.08097	.00278	.00267	.00188	.00291	.03221
%RSD	.2008	.13968	.13527	.09504	.14479	.07957

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	41.999	40.547	1.9860	2.0042	40.49	1.9934
SDev	.07989	.02981	.00096	.01845	.0317	.00049
%RSD	.19023	.07352	.04841	.92103	.0782	.02489

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9636	2.0054	1.9918	2.0440	2.0576	2.0527
SDev	.00172	.01092	.00783	.0107	.08916	.11459
%RSD	.0876	.54477	.39358	.52396	4.3335	5.5826

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0668	2.0571	2.0372	1.938	1.878	2.0108
SDev	.03822	.00434	.01511	.0078	.0036	.00335
%RSD	1.8494	.21113	.74186	.4018	.1894	.16662

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9582	2.0368	2.0304
SDev	.05956	.00024	.00073
%RSD	3.0421	.01222	.03601

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/21/09 00:55 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00048	.01083	-.00188	.00107	.00001	-.00013
SDev	.00015	.00138	.00027	.00038	.00003	.00001
%RSD	32.349	12.779	14.348	36.094	331.18	13.449

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.00067	.00004	-.00007	.00031	-.00008	.00735
SDev	.00148	.00008	.00024	.00009	.00017	.00413
%RSD	222.15	180.13	333.36	29.393	205.44	56.245

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.00848	.00536	.00008	.00122	.0786	.00046
SDev	.00987	.00107	.00003	.00053	.0379	.00015
%RSD	116.27	20.041	42.384	43.285	48.26	32.549

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00015	-.00203	-.00109	.00120	.00433	.00394
SDev	.00096	.00045	.00048	.00041	.00159	.00149
%RSD	641.72	22.636	44.378	34.012	36.752	38.041

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00456	.00221	.00042	.0018	.0000	.00063
SDev	.00184	.00092	.00037	.0013	0	.0001
%RSD	40.479	41.968	87.097	72.9	65.5	15.936

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00204	-.00007	.00008
SDev	.00097	.0001	.00007
%RSD	47.788	139.84	81.781

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Analysis Report Averages 10/29/09 09:05:40 AM page 94

Method: ICAPNC Sample Name: MP10489-MB1 Operator:
Run Time: 10/21/09 01:01 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00046	.01201	-.00223	.00119	.00000	-.00015
SDev	.00054	.00224	.00132	.00048	.00004	.00001
%RSD	117.3	18.689	59.345	40.308	489.85	8.9131

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00092	.00019	.00012	.00037	-.00004	.00545
SDev	.00187	.00015	.00033	.00029	.00032	.00561
%RSD	201.88	80.438	274.27	77.805	798.05	102.93

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.00918	.00324	.00007	-.00047	.0742	.00043
SDev	.01484	.00703	.00009	.00005	.0504	.00082
%RSD	161.62	216.88	118.61	12.487	67.97	189.59

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00117	-.00170	-.00052	.00091	.00197	.00214
SDev	.00219	.00105	.00018	.00178	.00142	.00166
%RSD	187	62.133	34.472	195.41	72.553	77.46

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00104	.00223	-.00002	.0007	.0000	.00034
SDev	.00111	.00221	.00196	.0009	0	.00009
%RSD	106.18	99.435	7021.9	120.2	406.8	28.833

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00269	.00006	-.00010
SDev	.00085	.00016	.00003
%RSD	31.647	263.92	31.932

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Method: ICAPNC Sample Name: MP10489-B1 Operator:
Run Time: 10/21/09 01:08 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.40474	53.507	.41846	1.0406	.42099	.41905
SDev	.00162	.30558	.0014	.00461	.00175	.00145
%RSD	.40166	.57111	.33654	.44366	.41654	.34641

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	51.399	.40125	.39760	.39885	.41492	51.253
SDev	.20291	.00168	.00183	.00155	.00233	.23117
%RSD	.39478	.42103	.46199	.39107	.56213	.45105

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	52.783	51.996	.41698	.41300	51.77	.40394
SDev	.28873	.22072	.00163	.00429	.4134	.00198
%RSD	.54703	.42449	.39098	1.0395	.7984	.49079

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.36563	.42388	.40477	.42614	.41978	.42233
SDev	.00194	.00296	.00253	.00221	.01674	.02022
%RSD	.53214	.69988	.62571	.52039	3.9882	4.7887

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.41421	.42392	.42703	.3962	.3504	.42945
SDev	.00976	.00196	.00261	.0023	.0014	.00185
%RSD	2.3578	.46316	.61283	.5696	.397	.43123

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.38765	.41490	.42397
SDev	.0284	.00159	.00162
%RSD	7.3274	.38376	.3821

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Method: ICAPNC Sample Name: T39513-5 Operator:
Run Time: 10/21/09 01:14 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00101	.06623	.03383	1.9162	.01669	-.00047
SDev	.00017	.00779	.00141	.00949	.00011	.00002
%RSD	16.934	11.772	4.1925	.49546	.71642	5.9101

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	583.63	.00038	.00142	.00358	.00600	9.3352
SDev	4.4118	.00012	.00013	.00049	.00027	.0663
%RSD	.75592	31.596	9.7294	13.887	4.5944	.71031

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	95.409	582.08	.13334	.05288	H3083.	.01125
SDev	.53849	3.9549	.00092	.00052	11.88	.00027
%RSD	.5644	.67944	.69689	.99888	.3853	2.446

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00381	.00421	.00185	.01467	.01123	.01355
SDev	.00137	.00069	.0009	.001	.00221	.00244
%RSD	35.926	16.516	49.057	6.8693	19.739	18.051

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00631	.00566	.01923	.0035	H19.19	.00496
SDev	.00182	.00134	.00108	.0002	.1077	.00041
%RSD	28.886	23.809	5.6235	4.749	.5613	8.2974

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00349	.01517	-.00576
SDev	.00401	.00023	.00002
%RSD	114.93	1.5194	.42793

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Method: ICAPNC Sample Name: MP10489-D1 Operator:
Run Time: 10/21/09 01:21 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00033	.06034	.02926	1.7613	.01535	-.00044
SDev	.00008	.00457	.00202	.01054	.00009	.00001
%RSD	26.206	7.5815	6.9252	.59877	.59625	3.9421

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	537.85	.00038	.00118	.00285	.00572	8.6369
SDev	1.8062	.00008	.00026	.00029	.00018	.03854
%RSD	.33582	22.571	22.622	10.409	3.1551	.44623

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	86.977	540.40	.12319	.04801	H2954.	.01018
SDev	.58645	1.873	.00054	.00089	12.87	.0004
%RSD	.67426	.34658	.4429	1.8599	.4356	3.9802

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00510	.00591	.00253	.01256	.00682	.00863
SDev	.002	.00037	.00085	.00061	.00089	.00155
%RSD	39.228	6.3824	33.508	4.8945	13.174	17.97

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00290	.00639	.01567	.0056	H18.57	.00447
SDev	.00061	.00296	.00064	.0005	.1078	.00012
%RSD	21.164	46.322	4.0881	8.55	.5804	2.7148

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00058	.01401	-.00485
SDev	.00201	.00039	.00006
%RSD	347.94	2.8072	1.3489

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Method: ICAPNC Sample Name: MP10489-SD1 Operator:
Run Time: 10/21/09 01:27 Filename: R102009
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00053	.21148	.02436	1.8689	.01682	-.00180
SDev	.00054	.00851	.00569	.00736	.00014	.00009
%RSD	100.58	4.0244	23.381	.39381	.86207	5.1886

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	583.41	.00067	.00231	.00371	.00609	9.6751
SDev	3.1603	.00091	.00175	.00037	.00017	.02908
%RSD	.54168	136.38	76.012	10.092	2.9288	.30058

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	70.975	605.27	.13687	.05252	H5097.	.01276
SDev	.38228	2.6346	.00052	.00185	9.973	.00136
%RSD	.53862	.43527	.38016	3.5398	.1957	10.697

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00396	-.00379	-.00190	.01360	.00610	.00673
SDev	.00564	.00411	.00073	.00419	.0023	.00106
%RSD	142.52	108.45	38.51	30.794	37.81	15.757

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00226	.01616	.01108	.0074	H17.17	.00531
SDev	.00614	.01449	.01293	.0078	.0971	.00091
%RSD	271.08	89.692	116.75	104.9	.5655	17.314

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00499	.01544	.00744
SDev	.00458	.00099	.0003
%RSD	91.776	6.4493	4.122

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Method: ICAPNC Sample Name: MP10489-S1 Operator:
Run Time: 10/21/09 01:34 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.38987	56.567	.47810	2.7899	.41289	.37648
SDev	.00273	.20838	.00307	.01269	.00154	.00159
%RSD	.70187	.36838	.64297	.45494	.37532	.42364

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	588.83	.37380	.37254	.37268	.45554	55.699
SDev	3.2185	.00262	.00158	.00272	.00112	.26673
%RSD	.54658	.701	.42637	.73136	.24611	.47887

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H164.96	585.57	.51858	.45754	H2947.	.37764
SDev	.91777	2.7311	.00284	.00383	10.67	.00263
%RSD	.55636	.46639	.54835	.83821	.3621	.69834

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.34847	.40579	.38705	.51713	.45054	.45426
SDev	.01041	.00659	.00145	.0009	.01354	.01923
%RSD	2.9877	1.6247	.37613	.1748	3.0067	4.2351

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.44291	.51080	.52041	.4013	H18.58	.41506
SDev	.00387	.00565	.00328	.0014	.1533	.00111
%RSD	.87536	1.1072	.63186	.3555	.8252	.2676

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.36426	.41315	.44743
SDev	.01922	.0013	.00202
%RSD	5.2777	.31562	.45186

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Method: ICAPNC Sample Name: MP10489-S2 Operator:
Run Time: 10/21/09 01:40 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.41247	60.028	.50294	2.8889	.43660	.39344
SDev	.00116	.17332	.00219	.00869	.00126	.00103
%RSD	.28231	.28873	.43548	.30094	.29031	.26224

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	596.23	.39000	.38982	.38976	.48515	57.965
SDev	1.8196	.00102	.00097	.00152	.00133	.16306
%RSD	.30518	.2628	.24891	.39185	.27512	.28131

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H173.16	594.05	.53916	.47990	H2994.	.39330
SDev	.70654	1.7417	.00198	.00305	4.979	.00198
%RSD	.40802	.29318	.36857	.63666	.1663	.50391

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.36364	.42441	.40453	.54670	.47844	.48343
SDev	.00292	.00236	.00088	.00328	.00976	.01288
%RSD	.80331	.55722	.21839	.60164	2.0414	2.6657

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.46827	.53940	.55048	.4230	H18.79	.43665
SDev	.00361	.00493	.00276	.001	.0908	.00152
%RSD	.77232	.91482	.50223	.2283	.4833	.34912

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.38127	.43205	.47307
SDev	.01699	.00149	.00141
%RSD	4.4566	.34703	.29966

Zoom In
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Method: ICAPNC Sample Name: T39675-1 Operator:
Run Time: 10/21/09 01:47 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00057	.03948	.02016	.12127	.09738	-.00017
SDev	.00017	.00491	.00088	.00137	.0004	.00002
%RSD	29.958	12.438	4.3737	1.1329	.41103	17.162

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	193.47	.00029	.00373	.01292	.02980	7.6191
SDev	.78918	.00006	.00023	.00024	.00013	.05015
%RSD	.4079	21.16	6.2991	1.8635	.46141	.65832

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	7.1018	36.561	3.1537	.01873	179.0	.03500
SDev	.03113	.14003	.01495	.00091	.4724	.00099
%RSD	.43844	.383	.4743	4.8589	.264	2.8526

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00043	.00417	.00288	.00348	.00607	.00794
SDev	.00103	.00035	.00041	.00103	.00272	.00382
%RSD	236.89	8.3849	14.311	29.679	44.787	48.111

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00178	-.00299	.00651	.0002	.6136	.00128
SDev	.00057	.00192	.00125	.0014	.0026	.0002
%RSD	32.372	64.252	19.308	546.8	.4271	16.267

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00032	.00378	.14297
SDev	.00146	.00014	.00065
%RSD	444.94	3.858	.45817

Zoom In
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Method: ICAPNC Sample Name: T39675-2 Operator:
Run Time: 10/21/09 01:53 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00151	.04655	.02731	.14557	.31921	-.00024
SDev	.00026	.00499	.0015	.0019	.00222	.00002
%RSD	17.423	10.73	5.5168	1.3082	.69691	9.2504

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	224.57	-.00003	.00426	.00117	.02196	31.647
SDev	1.4069	.00009	.00022	.0003	.00046	.17899
%RSD	.62646	239.49	5.2785	26.004	2.1285	.56561

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	4.3506	60.129	10.002	.00659	H242.8	.03264
SDev	.04014	.39435	.06034	.00084	2.074	.00079
%RSD	.92263	.65584	.60328	12.867	.8541	2.449

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00807	.01320	.00637	.00296	.00296	.00513
SDev	.00172	.00095	.00015	.00104	.00156	.00186
%RSD	21.34	7.2378	2.3617	35.242	52.753	36.205

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00188	-.00386	.00620	.0014	.7378	.00074
SDev	.00109	.00158	.00089	.001	.0049	.0002
%RSD	58.166	40.908	14.478	68.15	.6614	27.65

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00327	.00590	.03493
SDev	.0033	.0002	.00022
%RSD	101.07	3.5416	.65599

Zoom In
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Analysis Report Averages 10/29/09 09:05:40 AM page 103

Method: ICAPNC Sample Name: T39675-3 Operator:
Run Time: 10/21/09 02:00 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00033	.14780	.00184	.48697	.07012	-.00020
SDev	.00071	.00187	.00071	.0023	.00044	0
%RSD	213.03	1.2686	38.661	.47235	.6335	4.0167

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	125.19	-.00004	.00176	.00145	.02653	2.7472
SDev	1.018	.00019	.00037	.0004	.00024	.0146
%RSD	.81321	423.66	21.082	27.804	.90999	.5316

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	7.2415	29.771	3.4787	.00320	60.73	.01648
SDev	.04336	.23543	.02482	.00101	.6605	.00085
%RSD	.5988	.79081	.71367	31.637	1.087	5.2132

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00355	.00235	.00312	.00194	.00238	.00369
SDev	.00203	.00061	.00101	.00132	.0009	.00182
%RSD	57.242	26.271	32.456	68.32	38.092	49.385

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00079	-.00315	.00422	.0006	.8538	.00260
SDev	.00096	.00318	.00146	.0027	.0052	.00031
%RSD	122.22	100.91	34.767	470.4	.6033	12.173

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00399	.00113	.10943
SDev	.00175	.00029	.00074
%RSD	43.877	25.592	.67673

Zoom In
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Analysis Report Averages 10/29/09 09:05:40 AM page 104

Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/21/09 02:08 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.25859	41.461	2.0358	2.0426	2.0763	2.0278
SDev	.00136	.19048	.00944	.01168	.01029	.00978
%RSD	.5286	.45942	.46417	.57195	.49579	.48268

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	40.556	1.9952	1.9788	1.9866	2.0413	40.690
SDev	.20476	.01055	.01014	.01104	.0093	.20708
%RSD	.50488	.52884	.51269	.55587	.45607	.50892

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	42.597	40.657	1.9943	2.0202	40.93	1.9935
SDev	.20816	.21716	.00988	.01429	.1259	.01016
%RSD	.48869	.53412	.49569	.70747	.3076	.51

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9593	2.0145	1.9964	2.0576	2.0769	2.0768
SDev	.00978	.00347	.00519	.00474	.08297	.1094
%RSD	.49942	.17229	.26007	.23079	3.9953	5.268

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0766	2.0523	2.0600	1.958	1.892	2.0348
SDev	.0325	.01172	.00353	.0074	.0093	.00953
%RSD	1.5655	.57114	.17142	.3768	.4917	.46864

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9844	2.0461	2.0438
SDev	.05596	.00903	.01063
%RSD	2.8203	.44154	.52051

Zoom In
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Analysis Report Averages 10/29/09 09:05:40 AM page 105

Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/21/09 02:18 Filename: R102009
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00026	.00964	-.00278	.00185	.00003	-.00010
SDev	.0005	.00134	.00083	.00067	.00004	.00003
%RSD	191.58	13.97	29.878	36.382	131.92	31.566

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.00199	.00017	.00004	.00049	.00005	.00721
SDev	.00287	.00007	.00025	.00039	.00004	.00261
%RSD	143.98	45.849	626.17	79.961	81.551	36.303

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.00522	.00329	.00007	.00089	.0425	.00072
SDev	.01064	.00122	.00002	.00028	.0417	.00053
%RSD	203.95	37.192	37.158	31.251	98.11	74.239

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00076	-.00246	-.00118	.00089	.00433	.00380
SDev	.00059	.00118	.0006	.00027	.00075	.00061
%RSD	77.111	48.172	51.325	30.675	17.453	16.208

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00482	.00052	.00077	.0010	.0000	.00034
SDev	.00103	.00023	.00029	.0021	0	.0002
%RSD	21.428	44.028	38.016	205.3	39.49	58.72

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00185	-.00008	.00029
SDev	.00255	.00032	.0003
%RSD	137.66	398.41	105.68

NOTE: The remaining raw data for this batch is not relevant to this job. As such it has been omitted.

Zoom In ▶
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Analysis Report Averages 10/27/09 09:05:45 AM page 1

Method: ICAPNC Sample Name: STDA Operator:
Run Time: 10/22/09 10:56 Filename: R102209
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	count	count	count	count	count	count
Avge	-.00031	.01731	.00002	.00264	.00063	-.00853
SDev	.0002	.00015	.00053	.00011	.00004	.00007
%RSD	65.5625	.87141	2129.17	4.19544	6.91321	.8862

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	count	count	count	count	count	count
Avge	.00372	-.0005	-.00026	.00023	.02191	-.00065
SDev	.00001	.00036	.00009	.00008	.00049	.00009
%RSD	.39143	72.3133	36.6805	37.722	2.26883	14.7451

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	count	count	count	count	count	count
Avge	.00439	.00052	.00166	.00036	-.00016	.01955
SDev	.00003	.0001	.00008	.00016	.00022	.00019
%RSD	.81313	20.0585	4.89168	46.3847	134.394	1.01131

Elems	2203-1	2203-2	2068-1	2068-2	1960-1	1960-2
Units	count	count	count	count	count	count
Avge	.00873	-.00169	.00073	.00127	-.00456	.00394
SDev	.00022	.00035	.00119	.0008	.00026	.00032
%RSD	2.59121	21.225	164.097	62.8824	5.80121	8.35177

Elems	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2138
Units	count	count	count	count	count	count
Avge	.00112	.00732	-.00009	-.00479	.00002	-.00023
SDev	.00113	.00061	.00001	.00016	.00002	.00005
%RSD	100.273	8.40238	15.6648	3.46327	99.9766	24.8438

Zoom In ▶
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Analysis Report Averages 10/27/09 09:05:45 AM page 2

Method: ICAPNC Sample Name: STDC Operator:
Run Time: 10/22/09 11:02 Filename: R102209
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	2068-1	2068-2
Units	count	count	count
Avge	.65542	3.99417	3.47182
SDev	.00085	.20369	.05672
%RSD	.1305	5.09979	1.63381

Zoom In ▶
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Analysis Report Averages 10/27/09 09:05:45 AM page 3

Method: ICAPNC Sample Name: STDE Operator:
Run Time: 10/22/09 11:08 Filename: R102209
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Al3082	Ca3179	Fe2714	K_7664	Mg2790	Na3302
Units	count	count	count	count	count	count
Avge	2.89928	5.66333	1.82286	.22845	6.84071	.30819
SDev	.00203	.00767	.00358	.00046	.00887	.00026
%RSD	.07007	.13557	.19667	.20158	.12974	.0851

Zoom In ▶
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Analysis Report Averages 10/27/09 09:05:45 AM page 4

Method: ICAPNC Sample Name: STDB Operator:
Run Time: 10/22/09 11:13 Filename: R102209
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	As1890	B_2496	Ba4934	Be3130	Cd2265	Co2286
Units	count	count	count	count	count	count
Avge	2.59821	3.46535	4.40823	10.161	17.6695	3.35561
SDev	.00251	.00607	.00323	.0149	.00849	.00304
%RSD	.09686	.17534	.07328	.14664	.04806	.09074

Elems	Cr2677	Cu3247	Mn2576	Mo2020	Ni2316	2203-1
Units	count	count	count	count	count	count
Avge	1.53073	11.4131	15.1929	1.92059	6.63399	5.64421
SDev	.00107	.01766	.01261	.01565	.00355	.00383
%RSD	.07048	.15474	.08304	.81503	.05365	.06791

Elems	2203-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units	count	count	count	count	count	count
Avge	7.4843	1.52983	1.89929	10.9753	277.741	.53179
SDev	.02226	.00465	.00306	.05536	.49757	.00034
%RSD	.29746	.30411	.16129	.50449	.17915	.06408

Elems	Tl1908	Zn2138
Units	count	count
Avge	1.512	3.76451
SDev	.00226	.00185
%RSD	.14998	.04939

Zoom In Zoom Out

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Method: ICAPNC Sample Name: STDD Operator:
Run Time: 10/22/09 11:19 Filename: R102209
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	V_2924
Units	count
Avge	1.44778
SDev	.02184
%RSD	1.50869

Zoom In Zoom Out

Analysis Report Averages 10/27/09 09:05:45 AM page 6

Method: ICAPNC Sample Name: HSTD Operator:
Run Time: 10/22/09 11:53 Filename: R102209
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.50949	80.989	4.0424	4.0054	4.0360	3.9858
SDev	.00051	.16585	.01458	.00799	.00817	.00919
%RSD	.10135	.20478	.3609	.19948	.20263	.23064

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	80.022	3.9432	3.9573	3.9604	4.0715	80.146
SDev	.11136	.00777	.00717	.00544	.01262	.13724
%RSD	.13916	.19716	.18125	.1376	.3101	.17124

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	80.565	81.205	3.9711	3.9776	80.69	3.9695
SDev	.19868	.1496	.00651	.03558	.2428	.00644
%RSD	.24661	.18422	.16403	.89463	.3009	.16236

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	3.9470	4.0169	3.9939	4.0783	4.1166	4.1230
SDev	.01	.0143	.01259	.02159	.1537	.19659
%RSD	.25341	.35617	.31536	.52941	3.7338	4.7683

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	4.1035	4.0831	4.0757	3.938	3.990	4.0051
SDev	.06807	.01903	.02295	.0227	.0065	.0099
%RSD	1.659	.46611	.56329	.5773	.1628	.24722

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	3.9711	3.9532	3.9537
SDev	.05491	.00523	.00384
%RSD	1.3828	.13234	.09732

Zoom In Zoom Out

Analysis Report Averages 10/27/09 09:05:45 AM page 7

Method: ICAPNC Sample Name: ICV Operator:
Run Time: 10/22/09 12:00 Filename: R102209
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.50771	5.0100	1.0066	.98591	1.0082	1.0182
SDev	.00024	.00482	.00096	.00206	.0009	.00006
%RSD	.04759	.0963	.09605	.20917	.08938	.00628

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	4.9787	1.0069	.99457	.99546	.99092	5.0235
SDev	.00524	.00082	.00058	.0004	.00059	.01084
%RSD	.1054	.08241	.05853	.04097	.06022	.21584

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	4.9705	4.9304	.99891	1.0115	5.069	1.0069
SDev	.00204	.00208	.00017	.00498	.0532	.00191
%RSD	.0411	.04229	.01767	.49243	1.049	.18973

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.99857	1.0016	1.0008	1.0146	1.0449	1.0503
SDev	.0039	.00197	.00156	.00361	.01478	.01973
%RSD	.39067	.19761	.15634	.35649	1.4147	1.8792

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	1.0337	1.0155	1.0139	1.000	L.9147	1.0124
SDev	.00491	.00429	.00346	.0037	.0005	.00035
%RSD	.47585	.42262	.3415	.3712	.0512	.03543

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.97989	.99386	1.0340
SDev	.0272	.00091	.00108
%RSD	2.7767	.09247	.10487

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Method: ICAPNC Sample Name: ICB Operator:
Run Time: 10/22/09 12:13 Filename: R102209
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00011	.01166	.00018	.00180	.00001	.00005
SDev	.00016	.00191	.00111	.00041	.00002	.00002
%RSD	142.63	16.385	615.37	22.853	170.07	40.39

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00106	.00010	.00008	.00062	-.00003	-.00489
SDev	.00032	.00004	.00014	.00158	.00026	.00494
%RSD	30.751	45.807	174.11	255.21	690.31	101.01

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.00432	-.00094	.00000	.00063	.0114	.00017
SDev	.00489	.0034	.00004	.00052	.0594	.0006
%RSD	113.27	361.09	789.31	82.938	519.2	348.34

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00131	.00001	-.00011	-.00035	.00340	.00338
SDev	.00193	.00039	.00044	.00157	.00066	.00089
%RSD	147.43	2292.9	382.03	440.2	19.46	26.438

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00284	-.00176	.00000	-.0006	.0000	.00032
SDev	.00065	.00324	.00174	.0012	0	0
%RSD	23.031	183.63	24123	209.7	459.5	.0995

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00098	-.00015	.00024
SDev	.00152	.00017	.00005
%RSD	154.09	112.37	23.581

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Analysis Report Averages 10/27/09 09:05:45 AM page 9

Method: ICAPNC Sample Name: CRI Operator:
Run Time: 10/22/09 12:19 Filename: R102209
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.01051	.22259	.00510	.10690	.21425	.00524
SDev	.00013	.00195	.00045	.0014	.00046	.00002
%RSD	1.3281	.87975	8.8758	1.3152	.21776	.45704

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	5.2429	.00420	.05173	.01024	.02522	.10747
SDev	.00817	.00013	.00024	.0002	.00023	.00446
%RSD	.15585	3.1023	.48154	1.9977	.92322	4.1581

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	5.1179	5.2108	.01610	.01107	5.171	.04214
SDev	.01164	.01554	.00001	.00032	.0479	.00072
%RSD	.22755	.29832	.09364	2.913	.9267	1.7235

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00156	.00406	.00353	.00444	.00710	.00669
SDev	.00049	.00058	.00026	.0013	.00083	.00136
%RSD	31.805	14.446	7.4793	29.291	11.747	20.424

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00731	.00563	.00351	.0209	.0184	.02117
SDev	.00045	.00204	.00112	.0021	0	.00024
%RSD	6.2062	36.314	32.045	10.17	.2547	1.1617

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.01034	.05024	H.04004
SDev	.00236	.00022	.00009
%RSD	22.883	.45597	.23876

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Analysis Report Averages 10/27/09 09:05:45 AM page 10

Method: ICAPNC Sample Name: ICSA Operator:
Run Time: 10/22/09 12:25 Filename: R102209
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00327	508.38	.00149	-.06024	.00208	-.00017
SDev	.00017	1.3238	.00039	.00026	.00003	.00004
%RSD	5.2725	.2604	26.323	.44411	1.596	25.629

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	522.60	-.00097	-.00157	.00678	-.00517	199.45
SDev	1.0059	.00023	.00019	.00087	.00009	.29438
%RSD	.19248	24.057	12.087	12.833	1.8644	.14759

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.77420	529.84	-.00133	.01925	.2085	.00076
SDev	.00294	.45538	.00016	.00064	.1759	.00085
%RSD	.38073	.08594	12.203	3.3519	84.35	112.39

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.22406	.10629	-.00340	-.00540	.00617	.02236
SDev	.00378	.00268	.00058	.00248	.00159	.00277
%RSD	1.6884	2.5277	17.125	46.085	25.791	12.402

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02617	-.02134	.00278	-.0074	.0005	.00227
SDev	.00078	.00466	.00268	.0029	0	.00011
%RSD	3.0049	21.833	96.272	38.69	.8329	4.9783

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00443	-.00044	-.00132
SDev	.00563	.00044	.00027
%RSD	126.98	99.81	20.511

Zoom In
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Analysis Report Averages 10/27/09 09:05:45 AM page 11

Method: ICAPNC Sample Name: ICSAB Operator:
Run Time: 10/22/09 12:32 Filename: R102209
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	1.0784	508.95	.52762	-.06546	.53698	.50029
SDev	.00063	1.4108	.00402	.00094	.00156	.00042
%RSD	.05859	.2772	.76334	1.4465	.29221	.08445

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	517.10	.95635	.49622	.49960	.54231	199.90
SDev	.88433	.00019	.00037	.00024	.00219	.13122
%RSD	.17101	.02072	.07577	.04888	.40507	.06564

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.76801	527.25	.51025	.52504	.1630	.92668
SDev	.0154	.38701	.00043	.0037	.0518	.00141
%RSD	2.0061	.0734	.08512	.70502	31.79	.1531

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.27378	.60882	.49759	.51511	1.0473	1.0640
SDev	.00377	.00138	.00043	.00165	.0286	.03499
%RSD	1.3802	.227	.08694	.32102	2.7315	3.2886

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	1.0140	.50377	.52100	-.0081	.0004	.00207
SDev	.0159	.00117	.00244	.0032	0	.00011
%RSD	1.5685	.23384	.46895	39.89	3.776	5.6674

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.48807	.50011	1.0600
SDev	.02073	.00105	.00091
%RSD	4.249	.21156	.08644

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Analysis Report Averages 10/27/09 09:05:45 AM page 12

Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/22/09 12:44 Filename: R102209
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.25311	40.003	2.0281	2.0228	2.0234	2.0272
SDev	.00028	.10585	.00386	.00168	.00457	.0036
%RSD	.11341	.26462	.19064	.08345	.22588	.1777

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	40.008	1.9932	1.9840	1.9859	1.9966	40.024
SDev	.03929	.00144	.00201	.00201	.00541	.04687
%RSD	.09822	.07226	.10136	.1017	.27138	.11712

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	40.787	40.129	1.9912	2.0167	39.37	1.9962
SDev	.09952	.05346	.00237	.01197	.1787	.00341
%RSD	.24402	.13322	.11906	.59393	.4539	.17107

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9725	2.0093	1.9973	2.0262	2.0876	2.0996
SDev	.00218	.00645	.00487	.00757	.02327	.02761
%RSD	.11066	.32143	.24428	.37403	1.1147	1.3151

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0629	2.0320	2.0231	1.983	1.876	2.0146
SDev	.01466	.00578	.00852	.0053	.0039	.00419
%RSD	.71102	.28455	.42142	.266	.2093	.20809

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9579	1.9784	2.0324
SDev	.07038	.00272	.00087
%RSD	3.5948	.13774	.04327

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Analysis Report Averages 10/27/09 09:05:45 AM page 13

Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/22/09 12:59 Filename: R102209
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00001	.01363	.00064	.00112	.00004	.00001
SDev	.00027	.00206	.00019	.0004	.00005	.00003
%RSD	1893.9	15.147	29.619	36.175	136.23	170.97

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00111	.00013	.00002	-.00020	.00018	-.00116
SDev	.0002	.00009	.00026	.00026	.00007	.00381
%RSD	18.335	68.683	1012.9	126.79	38.101	328.05

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.00749	.00242	.00001	.00067	.0845	-.00025
SDev	.00356	.00191	.00003	.00019	.0366	.00008
%RSD	47.584	79.091	236.57	28.905	43.27	32.606

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00127	-.00087	-.00060	.00025	.00411	.00416
SDev	.00067	.00052	.00035	.00028	.00084	.00088
%RSD	52.879	59.811	58.969	109.21	20.545	21.17

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00341	-.00194	.00101	-.0004	.0000	.00032
SDev	.00223	.00062	.00062	.0015	0	.00018
%RSD	65.572	31.947	60.912	354.7	57.96	57.524

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00145	.00021	.00016
SDev	.00176	.00031	.00001
%RSD	121.23	149.91	9.7939

Zoom In
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Analysis Report Averages 10/27/09 09:05:45 AM page 14

Method: ICAPNC Sample Name: MP10507-MB1 Operator:
Run Time: 10/22/09 13:05 Filename: R102209
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00032	.01311	-.00027	-.00005	.00030	.00000
SDev	.0002	.001	.00122	.00052	.00002	.00002
%RSD	63.112	7.6956	440.41	889.43	8.2205	323.3

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00026	.00013	.00018	-.00062	-.00037	-.00143
SDev	.00098	.00013	.00033	.00023	.00021	.00192
%RSD	374.5	102.88	187.83	37.502	57.596	134.38

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.03957	.00737	-.00008	-.00015	-.0138	.00053
SDev	.00588	.00086	.00008	.0005	.0515	.00048
%RSD	14.882	11.774	105.64	323.11	373.5	89.673

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00444	.00064	-.00074	.00025	-.00183	-.00254
SDev	.00054	.00098	.0006	.00009	.00073	.00077
%RSD	12.289	152.87	82.054	37.662	39.969	30.323

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00107	.00472	-.00232	-.0011	.0000	.00025
SDev	.00092	.00166	.0007	.001	0	.00011
%RSD	85.93	35.21	30.467	85.6	130	44.268

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00461	.00042	.00165
SDev	.00167	.00014	.00017
%RSD	36.4	33.822	10.36

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Analysis Report Averages 10/27/09 09:05:45 AM page 15

Method: ICAPNC Sample Name: T39941-1C Operator:
Run Time: 10/22/09 13:12 Filename: R102209
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00035	.69018	.00713	.34365	.12642	-.00089
SDev	.00204	.0087	.00612	.00149	.00036	.0002
%RSD	580.32	1.2619	85.871	.43525	.29048	23.417

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	638.40	.00029	.00295	.00669	.09531	.21128
SDev	1.2965	.00021	.00089	.00173	.00115	.03184
%RSD	.20308	73.156	30.156	25.901	1.2161	15.073

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	30.571	121.89	.23479	.30576	H654.0	.02818
SDev	.11385	.10644	.00034	.00443	1.162	.00161
%RSD	.37243	.08733	.14746	1.4517	.1777	5.7313

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00809	.00500	.00219	.05030	.01620	.01909
SDev	.0105	.00921	.00326	.00211	.00481	.01031
%RSD	129.77	183.91	148.88	4.1956	29.691	54.017

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00741	.04758	.05034	.0098	4.591	.01926
SDev	.0083	.01177	.00311	.0077	.0051	.00113
%RSD	112.05	24.737	6.1876	78.31	.1112	5.8691

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00048	.00169	.03980
SDev	.01186	.00107	.00011
%RSD	2469.6	63.434	.3004

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Analysis Report Averages 10/27/09 09:05:45 AM page 16

Method: ICAPNC Sample Name: MP10507-D1 Operator:
Run Time: 10/22/09 13:18 Filename: R102209
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00050	.63855	.01634	.34431	.12350	-.00058
SDev	.00222	.0215	.00547	.004	.00037	.00011
%RSD	440.62	3.3681	33.483	1.1619	.30583	20.472

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	638.36	.00057	.00455	.00730	.09499	.24201
SDev	.94488	.0003	.00148	.00383	.00123	.0204
%RSD	.14801	53.859	32.479	52.587	1.3017	8.4311

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	30.517	121.87	.23437	.30755	H654.9	.03061
SDev	.05393	.2184	.00067	.0006	.9607	.00355
%RSD	.17672	.17921	.28798	.19558	.1467	11.603

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.01244	.00488	.00062	.05757	.01819	.02293
SDev	.00305	.00296	.00129	.00709	.00634	.00916
%RSD	24.531	60.691	208.59	12.321	34.844	39.946

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00568	.05259	.05873	-.0002	4.580	.02125
SDev	.00208	.00491	.00977	.0063	.005	.00144
%RSD	36.669	9.3389	16.639	2795	.1091	6.7954

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00964	.00159	.03797
SDev	.00604	.00144	.00057
%RSD	62.695	90.821	1.5148

Zoom In Zoom Out

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/22/09 13:27 Filename: R102209
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.25033	40.089	2.0290	2.0048	2.0306	2.0353
SDev	.00049	.15116	.00732	.00886	.00823	.00453
%RSD	.19733	.37706	.36098	.44195	.40538	.22286

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	40.155	2.0066	1.9956	1.9962	2.0074	40.107
SDev	.06638	.00476	.00349	.00253	.00869	.09966
%RSD	.16531	.23762	.17519	.12691	.43291	.2485

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	40.939	40.183	2.0019	1.9957	39.53	2.0102
SDev	.19816	.12023	.00383	.00918	.2284	.00645
%RSD	.48406	.2992	.19137	.46016	.5777	.32096

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9856	2.0168	2.0067	2.0485	2.0325	2.0302
SDev	.00884	.00527	.00568	.01044	.07636	.10295
%RSD	.44529	.26131	.28344	.50983	3.7573	5.0714

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0367	2.0511	2.0469	1.954	1.869	2.0075
SDev	.02394	.0113	.01023	.0008	.0074	.00412
%RSD	1.1757	.55102	.49999	.0409	.3985	.20547

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	2.0011	1.9758	2.0377
SDev	.00505	.00463	.00601
%RSD	.2526	.23478	.29526

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/22/09 13:37 Filename: R102209
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00034	.01660	.00011	.00122	.00004	-.00001
SDev	.00012	.00156	.0012	.00013	.00001	.00002
%RSD	35.836	9.426	1069.6	10.644	30.558	138.75

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.00025	-.00001	.00015	-.00027	.00012	-.00526
SDev	.00018	.00013	.00013	.00023	.00014	.00438
%RSD	73.468	940.2	88.232	84.485	123.89	83.234

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.02419	.00115	.00000	.00120	-.0805	-.00002
SDev	.00762	.00105	.00003	.00071	.0416	.00014
%RSD	31.526	91.017	352.31	58.915	51.72	645.23

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00073	-.00036	-.00018	-.00039	.00308	.00266
SDev	.00248	.00045	.00055	.00079	.00155	.00211
%RSD	337.36	125.19	300.52	197.67	50.388	79.424

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00332	.00012	-.00100	-.0001	.0000	.00051
SDev	.00106	.00142	.00063	.0006	0	0
%RSD	32.098	1137.5	63.639	646.9	26.89	.01693

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00073	-.00003	.00013
SDev	.0011	.00022	.00011
%RSD	150.85	590.98	80.826

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Method: ICAPNC Sample Name: MP10504-MB1 Operator:
Run Time: 10/22/09 13:43 Filename: R102209
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00012	H.46396	.00023	.00669	.00177	.00009
SDev	.00034	.02902	.00065	.00053	.00008	.0001
%RSD	287.09	6.2551	274.33	8.0507	5.0764	109.35

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.35777	-.00029	-.00110	.00053	.00303	.04869
SDev	.00589	.00007	.00048	.00042	.00009	.00855
%RSD	1.6486	25.271	43.815	78.866	3.2764	17.575

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.01284	.01599	.00103	.00264	1.349	-.00118
SDev	.01459	.00462	.00004	.00077	.131	.00027
%RSD	113.64	28.939	4.3385	29.155	9.71	23.514

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.01264	-.00065	H.00404	-.00046	.00459	.00494
SDev	.00309	.00204	.00052	.00084	.0011	.00233
%RSD	24.488	313.46	13.082	182.48	24.047	47.231

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00329	-.02273	.01033	.0028	.0004	.00485
SDev	.00226	.0033	.00196	.0008	0	.00006
%RSD	68.867	14.54	19.039	29.39	7.147	1.3344

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.01704	-.00017	.00188
SDev	.00069	.00039	.00022
%RSD	4.0682	227.46	11.786

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Method: ICAPNC Sample Name: MP10504-B1 Operator:
Run Time: 10/22/09 13:49 Filename: R102209
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	L.26641	48.515	.36045	.89668	.39347	.37611
SDev	.0006	.07638	.00028	.00263	.00053	.00036
%RSD	.2258	.15744	.07795	.29438	.13662	.09811

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	47.859	.37259	.36789	.37786	.39368	46.911
SDev	.09442	.00063	.00029	.00055	.00096	.05917
%RSD	.19729	.16965	.08129	.14707	.24447	.12614

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	49.526	45.521	.39380	.39290	47.12	.37383
SDev	.1571	.03943	.00033	.00216	.1113	.00116
%RSD	.31721	.08663	.08572	.55029	.2362	.31156

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.34579	.38065	.36938	.33167	.36718	.36937
SDev	.00412	.00247	.001	.00087	.01172	.01667
%RSD	1.1933	.64913	.27113	.26308	3.194	4.5142

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.36231	.31205	.34121	.3644	.3327	.41699
SDev	.00219	.00226	.00031	.0043	.0005	.00095
%RSD	.60507	.72546	.09371	1.177	.1421	.22879

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.34348	.38232	.38512
SDev	.00135	.00047	.00032
%RSD	.39503	.12521	.08381

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Method: ICAPNC Sample Name: T39941-1B Operator:
Run Time: 10/22/09 14:05 Filename: R102209
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00184	214.46	.19861	.17054	H68.722	.01155
SDev	.00095	3.5275	.00852	.00339	.53066	.00018
%RSD	51.776	1.6448	4.2944	1.9881	.77218	1.5743

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	892.89	.00607	.11268	.29682	.35498	268.43
SDev	6.7571	.00066	.00258	.00507	.0031	1.4136
%RSD	.75677	10.959	2.2909	1.7103	.87584	.52663

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	48.653	208.21	6.5321	.07502	44.94	.25539
SDev	.92901	1.1997	.02897	.00154	.1774	.00234
%RSD	1.9095	.5762	.44352	2.0547	.3948	.91872

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.10201	.37510	.28544	.00854	.00956	.02880
SDev	.00586	.00089	.00154	.00532	.00728	.00946
%RSD	5.7499	.23978	.5411	62.259	76.109	32.837

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.03131	-.04531	.03445	.0014	3.954	3.9651
SDev	.00311	.004	.00854	.0036	.0313	.06703
%RSD	9.958	8.8327	24.792	264.1	.7915	1.6907

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.02204	.60037	.99600
SDev	.00333	.0077	.00521
%RSD	15.137	1.2836	.52368

Zoom In Zoom Out

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Method: ICAPNC Sample Name: MP10504-D1 Operator:
Run Time: 10/22/09 14:11 Filename: R102209
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00380	180.64	.19285	.12319	H71.675	.01119
SDev	.00185	.12812	.00709	.00341	.13983	.00015
%RSD	48.677	.07093	3.6787	2.7736	.19509	1.3806

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	959.32	.00684	.11550	.25793	.36817	255.56
SDev	2.8387	.00073	.0012	.00231	.00044	.37261
%RSD	.29591	10.703	1.042	.89804	.12037	.1458

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	38.687	215.37	6.7418	.07099	44.13	.26288
SDev	.11708	.24313	.01128	.00065	.563	.0049
%RSD	.30265	.11289	.16744	.9259	1.276	1.8655

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.14306	.38883	.30830	.00511	.00886	.02443
SDev	.01784	.01828	.00627	.00378	.00587	.01138
%RSD	12.475	4.7036	2.0369	73.965	66.278	46.581

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02465	-.03482	.02415	.0069	4.155	3.2529
SDev	.00577	.01361	.00224	.0067	.007	.00428
%RSD	23.422	39.099	9.2747	96.74	.1675	.13175

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00317	.52517	1.0171
SDev	.00754	.00157	.00138
%RSD	237.41	.30014	.13579

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Method: ICAPNC Sample Name: MP10504-SD1 Operator:
Run Time: 10/22/09 14:18 Filename: R102209
Mode: CONC Type: S Corr. Factor: 25.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00361	224.98	.19168	.18608	H73.074	.01290
SDev	.0025	.31851	.01529	.01259	.05305	.00021
%RSD	69.341	.14157	7.9799	6.766	.0726	1.6474

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	910.80	.00783	.12521	.30858	.35490	283.89
SDev	1.1655	.0008	.00633	.00377	.00101	.38983
%RSD	.12796	10.281	5.0565	1.2242	.2849	.13731

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	46.273	214.07	6.8256	.08394	46.32	.27263
SDev	.12444	.22153	.00845	.00865	.5797	.0098
%RSD	.26892	.10348	.12385	10.304	1.251	3.5966

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.04752	.39725	.28659	L-.02162	.03220	.06932
SDev	.05139	.02052	.03046	.01623	.03195	.04559
%RSD	108.15	5.166	10.63	75.088	99.218	65.772

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.05643	-.05519	-.01160	.0039	3.935	4.2211
SDev	.0252	.01097	.02316	.023	.0009	.00827
%RSD	44.666	19.89	199.63	591.6	.022	.19597

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.02224	.62823	1.1076
SDev	.00418	.00525	.00442
%RSD	18.824	.83725	.39912

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Method: ICAPNC Sample Name: MP10504-S1 Operator:
Run Time: 10/22/09 14:24 Filename: R102209
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.25537	225.38	.54216	.99980	H64.447	.37565
SDev	.0016	.19681	.00879	.00645	.09015	.0002
%RSD	.62714	.08732	1.6226	.64517	.13988	.05342

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	971.23	.35243	.45541	.60506	.71000	291.50
SDev	.45261	.00193	.00203	.00094	.00054	.18015
%RSD	.0466	.54787	.44759	.15588	.07709	.0618

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	84.711	260.63	6.9465	.39755	88.09	.59718
SDev	.19229	.05457	.00338	.00518	.3002	.00178
%RSD	.22699	.02094	.04873	1.3041	.3408	.29967

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.40894	.71523	.61476	.33890	.09471	.11694
SDev	.00905	.00883	.00294	.00926	.00472	.00951
%RSD	2.2153	1.2358	.47908	2.7331	4.9916	8.1367

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.04791	.30099	.35692	.0908	4.357	3.8162
SDev	.00627	.01565	.00844	.0037	.001	.00589
%RSD	13.086	5.2017	2.3662	4.12	.0232	.15458

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.32501	.88932	1.2933
SDev	.00543	.00142	.00193
%RSD	1.6708	.15973	.14939

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Method: ICAPNC Sample Name: MP10504-S2 Operator:
Run Time: 10/22/09 14:31 Filename: R102209
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.25996	231.60	.55288	1.0072	H68.864	.37991
SDev	.00038	.2498	.00488	.00143	.08092	.0001
%RSD	.14975	.10785	.88286	.14223	.11752	.02635

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	978.81	.35921	.46440	.61116	.74191	301.50
SDev	.52438	.00077	.00197	.00054	.00026	.10922
%RSD	.05357	.21493	.42457	.08909	.03555	.03622

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	87.115	260.37	6.8840	.40299	90.33	.60992
SDev	.15145	.22694	.00267	.00353	.3162	.00243
%RSD	.17385	.08716	.03887	.87718	.3501	.39896

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.43892	.73276	.63657	.34891	.09579	.11851
SDev	.00506	.00145	.00116	.00403	.00015	.00215
%RSD	1.155	.1983	.18297	1.1568	.15974	1.8165

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.04800	.30688	.36905	.1000	4.446	4.0628
SDev	.00392	.00122	.00558	.0107	.0039	.00759
%RSD	8.1849	.39856	1.513	10.76	.088	.18701

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.33757	.89941	1.3401
SDev	.00418	.00142	.00092
%RSD	1.2389	.15848	.06895

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Method: ICAPNC Sample Name: T39876-1B Operator:
Run Time: 10/22/09 14:37 Filename: R102209
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00225	253.75	.11713	.10398	H56.150	.01194
SDev	.00078	.26281	.00146	.00172	.16814	.00005
%RSD	34.601	.10357	1.2514	1.6599	.29946	.44904

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	511.72	.00168	.10317	.22700	.24372	247.56
SDev	3.5489	.00027	.00073	.00103	.00055	.85576
%RSD	.6935	16.147	.71013	.45688	.22637	.34568

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	56.033	111.32	4.8766	.04034	11.30	.18504
SDev	.14487	.35372	.0219	.00051	.0646	.00113
%RSD	.25855	.31775	.44921	1.284	.5721	.6137

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.01712	.25335	.16353	-.00245	.00103	.01785
SDev	.00313	.00442	.00198	.00107	.00192	.00371
%RSD	18.301	1.7455	1.2118	43.573	186.24	20.82

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.03271	-.03502	.01396	-.0018	2.028	2.8751
SDev	.00194	.0015	.00235	.0055	.0014	.00248
%RSD	5.9523	4.31	16.867	309.5	.0673	.08626

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00832	.47371	.72124
SDev	.00377	.0013	.00181
%RSD	45.314	.27508	.25153

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Method: ICAPNC Sample Name: T39876-1B Operator:
Run Time: 10/22/09 14:45 Filename: R102209
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00097	294.21	.13137	.12359	H79.849	.01458
SDev	.00131	1.242	.00573	.00214	.27861	.00017
%RSD	133.79	.42215	4.366	1.7328	.34893	1.2193

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	567.27	.00024	.12219	.26493	.26061	284.54
SDev	.73538	.00038	.00145	.00099	.00161	.58091
%RSD	.12963	155.94	1.1905	.37543	.61977	.20415

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	60.030	129.81	5.6792	.04711	12.35	.22083
SDev	.52242	.32245	.01165	.00184	.2223	.0024
%RSD	.87028	.24841	.20519	3.911	1.8	1.0907

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.02122	.29561	.19157	L-.00647	.00087	.01786
SDev	.0105	.00528	.0019	.007	.00399	.00576
%RSD	49.515	1.7883	.99495	108.27	454.13	32.293

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.03549	-.05105	.01468	-.0022	2.159	3.2917
SDev	.00579	.01029	.00712	.0041	.0081	.01107
%RSD	16.32	20.167	48.509	183.8	.3753	.33631

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.01618	.54171	.85489
SDev	.00278	.0018	.00248
%RSD	17.208	.33286	.29023

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Method: ICAPNC Sample Name: T39876-2B Operator:
Run Time: 10/22/09 14:51 Filename: R102209
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00217	281.96	.08521	.19020	4.7712	.01217
SDev	.00057	.66073	.00247	.00265	.01787	.00016
%RSD	26.377	.23433	2.9041	1.3964	.37465	1.3384

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	600.09	.00166	.08336	.24281	.19306	238.78
SDev	10.391	.00044	.00206	.00174	.00116	2.1339
%RSD	1.7315	26.646	2.4764	.71781	.60258	.89365

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	61.415	187.97	3.7683	.03638	10.26	.17983
SDev	.57178	1.3298	.02843	.0021	.0469	.00071
%RSD	.93102	.70746	.75454	5.7995	.4575	.3987

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.01974	.23947	.15343	-.00305	.00067	.01542
SDev	.01032	.01106	.00394	.00038	.00702	.01331
%RSD	52.3	4.6209	2.569	12.712	1047.5	86.303

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02889	-.02977	.01049	-.0012	2.720	3.5609
SDev	.00557	.01282	.00698	.0035	.0005	.01468
%RSD	19.299	43.082	66.586	288.9	.0194	.41241

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00911	.54994	.64104
SDev	.00402	.00416	.00354
%RSD	44.101	.75716	.55291

Zoom In Zoom Out

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/22/09 15:00 Filename: R102209
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.25220	40.470	2.0350	2.0146	2.0396	2.0450
SDev	.00046	.08896	.00517	.00289	.00463	.00416
%RSD	.18295	.21983	.25407	.14356	.22723	.20358

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	40.275	2.0115	2.0034	2.0085	2.0207	40.271
SDev	.08806	.00368	.00434	.0041	.00432	.08304
%RSD	.21866	.18318	.21711	.20457	.21413	.20622

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	41.212	40.482	2.0153	2.0038	40.13	2.0157
SDev	.05848	.08962	.00381	.01599	.1463	.00502
%RSD	.14191	.2214	.18952	.79822	.3646	.24937

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9930	2.0214	2.0122	2.0419	2.0350	2.0314
SDev	.00424	.00468	.00361	.01035	.09148	.11601
%RSD	.21278	.23178	.17987	.50692	4.4956	5.7108

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0416	2.0526	2.0363	1.967	1.880	2.0091
SDev	.04266	.01342	.00905	.0097	.0037	.00463
%RSD	2.0895	.65428	.44486	.4909	.1975	.2305

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	2.0064	1.9874	2.0444
SDev	.01881	.00435	.00422
%RSD	.93779	.2191	.20688

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/22/09 15:11 Filename: R102209
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00000	-.00075	.00022	.00079	.00010	.00011
SDev	.00011	.00219	.00079	.00028	.00002	.00002
%RSD	6557.9	291.39	349.74	36.689	22.092	18.959

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.00295	-.00004	.00006	-.00012	.00003	.00101
SDev	.0008	.00011	.0001	.00009	.00016	.00164
%RSD	27.379	236.71	160.4	82.612	547.91	162.89

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.01268	.00312	.00004	.00062	.0794	.00022
SDev	.00073	.0034	.00002	.00041	.0155	.00042
%RSD	5.8121	108.69	72.843	66.838	19.55	194.15

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00132	-.00123	-.00091	.00010	.00136	.00109
SDev	.00087	.00003	.00035	.00079	.00035	.0004
%RSD	65.83	2.908	39.099	733.7	25.727	37.267

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00132	.00041	-.00038	.0009	.0000	.00082
SDev	.0003	.0004	.00136	.0016	0	.00028
%RSD	22.808	95.562	354.09	174.2	10.5	34.68

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00088	.00027	.00020
SDev	.00164	.00012	.00003
%RSD	186.73	43.581	18.958

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Analysis Report Averages 10/27/09 09:05:45 AM page 31

Method: ICAPNC Sample Name: MP10490-MB1 Operator:
Run Time: 10/22/09 15:46 Filename: R102209
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00025	.00525	.00064	-.00048	-.00002	.00005
SDev	.00024	.00433	.00169	.00067	.00003	.00002
%RSD	97.049	82.353	261.44	137.85	139.93	39.184

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00013	.00000	-.00019	-.00044	-.00027	-.00631
SDev	.00053	.00008	.00026	.00026	.0001	.00377
%RSD	391.86	2729.4	139.46	59.192	38.252	59.812

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.00659	-.00194	-.00001	.00029	-.0326	-.00049
SDev	.0078	.00089	.00005	.00023	.0305	.00029
%RSD	118.36	46.255	371.15	78.577	93.54	60.17

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00188	.00041	-.00005	-.00029	.00029	.00003
SDev	.00135	.00156	.0006	.00156	.00021	.00055
%RSD	71.515	375.71	1198.4	524.06	72.978	1422.9

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00020	-.00171	.00007	-.0009	.0000	.00001
SDev	.00051	.0016	.00192	.0019	0	.0001
%RSD	254.5	93.232	2697.2	227.4	26.89	927.18

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00051	-.00020	.00007
SDev	.00075	.00013	.00005
%RSD	146.55	66.656	75.179

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Analysis Report Averages 10/27/09 09:05:45 AM page 32

Method: ICAPNC Sample Name: MP10490-LC1 Operator:
Run Time: 10/22/09 15:52 Filename: R102209
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.72862	153.75	1.7357	1.5194	3.8525	1.1794
SDev	.00085	.36204	.00428	.00387	.00508	.00342
%RSD	.11704	.23547	.24668	.25532	.13191	.29032

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	112.27	2.0216	3.1222	1.0409	1.4927	232.16
SDev	.2282	.0031	.00847	.00157	.00313	.5202
%RSD	.20325	.15353	.27143	.15085	.21018	.22406

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	48.763	61.012	7.4441	.96899	8.805	1.1264
SDev	.03914	.15235	.01673	.00833	.0399	.00136
%RSD	.08027	.24971	.22484	.85985	.4528	.12153

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.6901	1.8944	1.8266	1.6213	.88767	.90345
SDev	.00388	.00829	.00681	.0093	.01974	.02408
%RSD	.23013	.4378	.37322	.5737	2.2247	2.6661

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.85598	1.6151	1.6244	1.330	1.913	7.4583
SDev	.01107	.00465	.01178	.0041	.0024	.01254
%RSD	1.2941	.28801	.72538	.3066	.1242	.16813

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	2.9596	2.2658	4.3081
SDev	.08733	.00513	.00751
%RSD	2.9507	.22646	.17434

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Method: ICAPNC Sample Name: T39188-1 Operator:
Run Time: 10/22/09 15:59 Filename: R102209
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.01400	4.1459	.12814	.03304	5.9380	.00048
SDev	.00012	.0304	.00055	.00163	.03835	.00004
%RSD	.89816	.73347	.42985	4.9545	.6459	8.9911

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	16.571	.00198	.07493	.54642	3.2517	215.06
SDev	.02708	.00014	.00044	.00024	.02348	.24882
%RSD	.16343	7.2584	.60027	.04556	.72226	.1157

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	1.1261	1.7167	5.5329	.22336	16.00	.62631
SDev	.00211	.00794	.00704	.00095	.0398	.00069
%RSD	.18814	.46309	.12734	.4295	.2484	.11142

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.02513	.13678	.08314	-.00033	.02623	.03866
SDev	.00071	.00189	.00129	.00048	.00288	.00308
%RSD	2.8558	1.3873	1.555	142.32	10.979	7.9741

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00110	-.02274	.01075	.1984	.6539	.11377
SDev	.00246	.00162	.0003	.0014	.0036	.00319
%RSD	222.91	7.1231	2.8587	.7294	.5477	2.8081

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.01256	.05247	.33290
SDev	.00921	.00036	.00048
%RSD	73.321	.69884	.14566

Zoom In Zoom Out

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Method: ICAPNC Sample Name: MP10490-D1 Operator:
Run Time: 10/22/09 16:05 Filename: R102209
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.01416	4.2876	.13126	.04629	6.4165	.00041
SDev	.00023	.00631	.00199	.00149	.00585	.00003
%RSD	1.6463	.14724	1.5207	3.2226	.09121	7.3208

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	16.981	.00178	.08135	.57097	3.2589	221.50
SDev	.01919	.00014	.00043	.00079	.00635	.11119
%RSD	.11304	8.403	.53209	.13863	.19504	.0502

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	1.1223	1.6049	5.7546	.23993	18.56	.69446
SDev	.0052	.00156	.004	.00082	.0153	.00096
%RSD	.46345	.09753	.0696	.34404	.0827	.13917

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.02786	.14019	.08446	.00093	.02357	.03560
SDev	.00107	.00116	.00051	.00146	.00196	.00307
%RSD	3.8603	.82858	.61008	156.33	8.3422	8.6464

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00071	-.02155	.01209	.2035	.6885	.11641
SDev	.00075	.00328	.00309	.001	.0005	.00013
%RSD	105.95	15.26	25.57	.4688	.0768	.11482

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00659	.05445	.31093
SDev	.00127	.00022	.00061
%RSD	19.378	.41443	.19813

Zoom In Zoom Out

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Method: ICAPNC Sample Name: MP10490-SD1 Operator:
Run Time: 10/22/09 16:12 Filename: R102209
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.01466	4.2974	.13955	.03378	6.1547	.00081
SDev	.00233	.02013	.00246	.0023	.00422	.00007
%RSD	15.902	.46842	1.7653	6.8259	.06862	9.1431

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	17.177	.00267	.07863	.56272	3.2715	217.11
SDev	.01409	.00064	.00125	.00055	.00507	.2437
%RSD	.08204	24.133	1.6007	.09808	.15508	.11225

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	1.0388	1.7941	5.7110	.23063	16.88	.65236
SDev	.02117	.00551	.0064	.00172	.0652	.00468
%RSD	2.0389	.30755	.11214	.74837	.3859	.71854

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.03198	.14075	.08493	-.00297	.02373	.03479
SDev	.00307	.00349	.00172	.00913	.0035	.0038
%RSD	9.6146	2.4852	2.034	306.92	14.762	10.944

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00103	-.02220	.00522	.2033	.6562	.11609
SDev	.00311	.01005	.00875	.0097	.0006	.00097
%RSD	301.25	45.283	167.37	4.768	.0911	.8372

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00230	.05436	.36116
SDev	.01425	.00076	.00105
%RSD	617.15	1.414	.29089

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Method: ICAPNC Sample Name: MP10490-S1 Operator:
Run Time: 10/22/09 16:18 Filename: R102209
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.21958	56.037	.54727	.99706	7.5139	.40972
SDev	.00017	.0879	.00125	.0014	.01101	.00072
%RSD	.07751	.15686	.22913	.14135	.14655	.17756

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	69.219	.39282	.48253	1.0557	4.3300	311.80
SDev	.2024	.00097	.00096	.00134	.00485	.6627
%RSD	.29241	.24721	.20047	.12768	.11211	.21253

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	51.417	51.281	7.0798	.68129	68.91	1.1766
SDev	.14145	.10552	.01819	.00462	.0848	.00285
%RSD	.27511	.20578	.25694	.67929	.123	.24236

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.31594	.56565	.48281	.38111	.39006	.40622
SDev	.00207	.00515	.00414	.00348	.00751	.01048
%RSD	.65671	.91175	.85921	.91471	1.9278	2.5803

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.35768	.35501	.39417	.6173	1.170	.55549
SDev	.00191	.00053	.00511	.0007	.001	.00057
%RSD	.53624	.15006	1.2976	.1202	.0859	.10318

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.37616	.45823	.75563
SDev	.01014	.00069	.00094
%RSD	2.6975	.15155	.12538

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Method: ICAPNC Sample Name: MP10490-S2 Operator:
Run Time: 10/22/09 16:25 Filename: R102209
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.22565	57.517	.55532	1.0240	7.4392	.42000
SDev	.00002	.06379	.00094	.00261	.01449	.00044
%RSD	.01232	.1109	.17014	.25498	.1949	.1052

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	71.457	.40291	.48955	1.0627	4.1303	314.45
SDev	.06485	.00056	.00048	.00129	.00476	.14257
%RSD	.09076	.13981	.09883	.12184	.11537	.04534

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	52.958	52.911	7.2334	.68617	69.35	1.1739
SDev	.12527	.01815	.00277	.00204	.0583	.00122
%RSD	.23655	.03431	.03842	.2975	.0841	.10459

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.30990	.56210	.47843	.38998	.39335	.41125
SDev	.00068	.00166	.00097	.00124	.00531	.00796
%RSD	.22075	.29696	.20411	.32002	1.352	1.9356

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.35749	.36495	.40253	.6226	1.171	.86383
SDev	.00236	.00241	.00151	.0018	.002	.00017
%RSD	.66102	.66178	.37693	.2907	.1692	.02078

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.38886	.46891	.80500
SDev	.00631	.00072	.00007
%RSD	1.6229	.15375	.00984

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Method: ICAPNC Sample Name: T39420-1 Operator:
Run Time: 10/22/09 16:31 Filename: R102209
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00015	.28698	.00466	.01317	.00337	-.00015
SDev	.00029	.00407	.00077	.00029	.00004	.00003
%RSD	193.62	1.4188	16.545	2.2341	1.421	21.876

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	4.1449	.00002	.00072	.00115	.00199	.34900
SDev	.00804	.00015	.00016	.00025	.00011	.00334
%RSD	.19412	590.81	23.347	22.389	5.6401	.9587

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.02159	.13800	.00956	.01702	.5130	.09943
SDev	.00352	.00226	.00003	.00083	.0234	.00095
%RSD	16.307	1.6395	.3143	4.8914	4.562	.95667

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00194	.00074	.00143	.00327	.00654	.00701
SDev	.0017	.00101	.00016	.00072	.00168	.00142
%RSD	87.405	135.7	11.29	22.113	25.784	20.249

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00499	.00005	.00456	.0217	.0056	.00810
SDev	.00247	.00258	.00022	.0012	0	.00032
%RSD	49.508	4481.6	4.9648	5.341	.3593	4.0274

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00546	.72174	.01823
SDev	.00068	.00145	.00004
%RSD	12.578	.20104	.23718

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Method: ICAPNC Sample Name: T39420-2 Operator:
Run Time: 10/22/09 16:38 Filename: R102209
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00014	.95213	.00405	.01137	.01282	.00000
SDev	.00016	.00657	.00098	.00025	.00001	.00002
%RSD	113.52	.69058	24.311	2.2622	.11728	385.43

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	15.240	-.00003	.00114	.00188	.00206	.77332
SDev	.02439	.00005	.00016	.00026	.00012	.01158
%RSD	.16004	142.3	14.153	14.248	5.8536	1.4987

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.32293	.45866	.04073	.00997	1.019	.08598
SDev	.0086	.00152	.00005	.00048	.0669	.001
%RSD	2.6651	.33341	.1387	4.8796	6.566	1.1719

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00420	.00486	.00494	.00230	.00251	.00275
SDev	.0015	.00082	.00024	.00123	.00068	.00212
%RSD	35.636	16.913	4.9355	53.482	27.357	77.072

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00144	-.00179	.00402	.0206	.0159	.01522
SDev	.00219	.00009	.00184	.0012	0	.00005
%RSD	151.88	5.2683	45.768	6.035	.2479	.39275

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00645	.47304	.03618
SDev	.00103	.00122	.00008
%RSD	16.112	.25953	.2297

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Method: ICAPNC Sample Name: T39941-1 Operator:
Run Time: 10/22/09 16:44 Filename: R102209
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00304	234.35	.21109	.15610	H63.793	.01234
SDev	.00142	.87315	.00493	.00266	.26693	.00025
%RSD	46.796	.37259	2.3359	1.7049	.41843	2.0722

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	979.57	.00441	.11771	.34140	.36060	315.12
SDev	.21392	.00016	.00019	.00252	.00142	.39938
%RSD	.02183	3.6836	.1625	.74009	.39535	.12674

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	44.561	233.39	6.6911	.07806	58.86	.26511
SDev	.25731	.42485	.00468	.00209	.3915	.00181
%RSD	.57745	.18203	.07008	2.6899	.6652	.68646

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.09316	.41652	.31028	.00816	.01750	.04098
SDev	.00805	.00363	.00503	.0089	.00768	.01214
%RSD	8.6442	.87251	1.6223	109.06	43.89	29.628

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.03177	-.02465	.02378	.0198	4.332	4.8245
SDev	.00408	.01029	.01754	.0115	.0166	.00795
%RSD	12.853	41.74	73.755	57.96	.3823	.16498

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00128	.70059	1.0904
SDev	.01364	.00166	.00086
%RSD	1065.6	.23732	.07917

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/22/09 16:52 Filename: R102209
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.25104	40.304	2.0154	2.0256	2.0430	2.0428
SDev	.00051	.07109	.00773	.00332	.00389	.001
%RSD	.20678	.17639	.38375	.16406	.19067	.04901

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	40.293	2.0134	2.0052	2.0039	2.0198	40.219
SDev	.02918	.00017	.00068	.00217	.00464	.00633
%RSD	.07243	.00844	.03435	.10857	.22983	.01575

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	41.088	40.420	2.0111	1.9926	39.88	2.0221
SDev	.14798	.04541	.00079	.01159	.1506	.00253
%RSD	.36016	.11235	.03928	.5818	.3776	.12545

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	2.0002	2.0248	2.0169	2.0432	2.0321	2.0270
SDev	.00568	.00263	.00361	.00584	.08122	.10251
%RSD	.28399	.12994	.17945	.28586	3.9972	5.0573

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0418	2.0561	2.0366	1.948	1.875	2.0073
SDev	.03862	.01155	.0044	.0025	.0023	.00198
%RSD	1.8916	.56201	.21633	.1269	.1253	.09913

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9874	1.9846	2.0404
SDev	.01342	.00017	.00449
%RSD	.67566	.00877	.22012

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/22/09 17:04 Filename: R102209
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00048	H.42840	.00080	.00080	.00011	.00004
SDev	.00101	.3642	.00079	.00094	.00001	.00005
%RSD	209.57	85.013	98.846	117.89	11.499	136.33

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.00856	-.00009	-.00010	.00076	.00053	.00578
SDev	.0013	.00024	.00015	.00068	.00027	.00704
%RSD	15.227	263.62	154.91	89.829	50.751	121.82

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.01342	.00459	.00136	.00096	-.0614	.00792
SDev	.01178	.00466	.00019	.00007	.1339	.00046
%RSD	87.804	101.53	14.508	7.3935	218.2	5.9144

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00345	.00022	-.00066	.00010	.00374	.00441
SDev	.004	.00277	.00049	.00086	.00114	.00196
%RSD	116.05	1250.6	74.729	841.52	30.557	44.457

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00179	-.00158	.00060	-.0002	.0000	.00045
SDev	.00329	.00361	.00131	.0006	0	.00028
%RSD	183.32	228.48	215.93	282.6	9.506	62.893

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00035	-.00008	.00294
SDev	.00147	.00015	.00024
%RSD	415.91	183.04	8.3906

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Method: ICAPNC Sample Name: MP10489-MB1 Operator:
Run Time: 10/22/09 17:10 Filename: R102209
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00043	.00490	.00036	.00103	.00006	.00009
SDev	.0004	.00672	.00127	.00012	.00004	.00003
%RSD	93.79	137.14	345.44	12.401	68.888	34.4

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.00270	.00012	.00013	.00030	.00012	.00548
SDev	.0016	.0001	.00015	.00052	.0002	.00651
%RSD	59.233	84.135	115.57	169.81	158.21	118.78

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.00574	.00158	.00005	.00039	.0738	.00045
SDev	.01067	.00103	.00005	.00069	.1307	.00097
%RSD	185.74	65.382	107.08	175.83	177.2	211.38

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00038	-.00079	-.00003	.00005	.00062	.00006
SDev	.00111	.00184	.00096	.00218	.00138	.0021
%RSD	290.95	231.85	2431.7	4191	220.81	3324

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00115	-.00058	.00003	-.0004	.0000	.00014
SDev	.00099	.00068	.00361	.0023	0	0
%RSD	86.57	117.57	10113	650.3	75.81	.38517

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00029	-.00020	.00027
SDev	.00132	.00025	.00012
%RSD	445.8	122.64	45.864

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Method: ICAPNC Sample Name: MP10489-B1 Operator:
Run Time: 10/22/09 17:17 Filename: R102209
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.40452	53.174	.42410	1.0477	.42124	.42672
SDev	.0003	.08856	.00072	.00231	.0013	.00033
%RSD	.07518	.16655	.17037	.22054	.30898	.0796

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	51.881	.40846	.40659	.40648	.41741	51.397
SDev	.11813	.00032	.0009	.00014	.00105	.03672
%RSD	.2277	.08034	.22186	.03674	.25205	.07145

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	52.053	52.421	.42510	.41830	51.70	.41282
SDev	.08495	.04465	.00052	.00283	.1196	.00041
%RSD	.16321	.08517	.12281	.67822	.2313	.10044

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.37094	.43147	.41161	.42757	.42210	.42593
SDev	.00406	.00201	.00049	.00331	.00938	.00925
%RSD	1.095	.46811	.12074	.77591	2.2226	2.1731

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.41393	.42457	.42882	.4038	.3558	.43546
SDev	.00969	.00705	.00153	.0026	.0008	.00119
%RSD	2.3432	1.6618	.35702	.6492	.2188	.27418

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.39189	.40982	.42975
SDev	.02244	.00057	.00063
%RSD	5.7282	.14026	.14661

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Method: ICAPNC Sample Name: T39513-5 Operator:
Run Time: 10/22/09 17:23 Filename: R102209
Mode: CONC Type: S Corr. Factor: 50.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	L-.01476	.53050	L-.00528	1.7849	.02477	.00385
SDev	.01133	.1832	.01334	.02532	.00071	.00184
%RSD	76.765	34.534	252.38	1.4189	2.87	47.754

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	576.14	-.00078	-.00596	L-.01239	.01177	9.5330
SDev	1.0122	.00479	.01972	.00824	.00929	.33981
%RSD	.17568	612.08	330.75	66.514	78.935	3.5646

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	45.876	588.94	.14642	.09529	H5641.	.01683
SDev	.26695	.97123	.002	.01511	15.57	.01315
%RSD	.5819	.16491	1.3669	15.861	.2761	78.158

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.01575	-.06776	L-.02328	L-.02101	.21889	.20936
SDev	.03977	.07169	.03885	.03738	.14943	.19654
%RSD	252.42	105.81	166.87	177.86	68.266	93.878

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.20842	.04217	-.06897	L-.0530	H15.67	.01213
SDev	.13966	.08118	.02434	.0817	.0025	.00938
%RSD	67.01	192.51	35.302	154.2	.0161	77.351

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.10572	.00256	.14801
SDev	.12879	.00526	.00168
%RSD	121.83	205.22	1.1402

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Analysis Report Averages 10/27/09 09:05:45 AM page 46

Method: ICAPNC Sample Name: MP10489-D1 Operator:
Run Time: 10/22/09 17:30 Filename: R102209
Mode: CONC Type: S Corr. Factor: 50.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00436	.70907	L-.04204	1.6617	.02035	.00049
SDev	.01023	.16655	.02443	.02206	.00167	.00118
%RSD	234.68	23.49	58.117	1.3276	8.2351	238.91

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	538.40	-.00091	.00634	-.00261	.01050	8.8432
SDev	.82473	.00297	.01383	.00683	.00584	.21085
%RSD	.15318	326.8	217.94	261.17	55.69	2.3844

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	41.676	552.27	.12957	.05724	H5321.	.03159
SDev	.28439	.99665	.00188	.01294	2.871	.00383
%RSD	.68238	.18046	1.4573	22.622	.054	12.128

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00024	-.04338	L-.01382	L-.07661	.03133	-.00999
SDev	.07367	.03487	.01556	.05649	.01928	.02417
%RSD	29541	80.388	112.6	73.741	61.551	241.99

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.08442	-.09160	-.08560	L-.0279	H14.78	.00858
SDev	.06053	.00959	.08527	.0801	.011	.00544
%RSD	71.71	10.47	99.607	287.3	.0742	63.488

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.04456	.01962	.12272
SDev	.01037	.02346	.00265
%RSD	23.281	119.53	2.1624

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Analysis Report Averages 10/27/09 09:05:45 AM page 47

Method: ICAPNC Sample Name: MP10489-SD1 Operator:
Run Time: 10/22/09 17:36 Filename: R102209
Mode: CONC Type: S Corr. Factor: 250.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	L-.03687	.56176	.24724	1.8287	.04317	.02083
SDev	.08877	.08578	.51367	.17644	.0007	.0099
%RSD	240.76	15.27	207.76	9.6488	1.6345	47.543

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	576.27	-.00334	.05412	L-.06696	-.00501	9.7846
SDev	.87494	.03276	.03675	.08359	.033	1.1191
%RSD	.15183	979.55	67.92	124.82	658.02	11.437

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	39.858	586.35	.16459	.19440	H5636.	.18448
SDev	1.9394	.27739	.00322	.08748	40.71	.12387
%RSD	4.8659	.0473	1.9565	45.003	.7224	67.144

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.85995	.21660	L-.06668	L-.17014	.13652	.13246
SDev	.33007	.25781	.24084	.20962	.2407	.27593
%RSD	38.383	119.03	361.18	123.21	176.31	208.31

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00547	-.08853	-.29500	L-.1367	H15.60	.00806
SDev	.34228	.32946	.45674	.3505	.0257	.02683
%RSD	6252.2	372.14	154.83	256.4	.1645	332.56

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00892	.05265	.75889
SDev	.43941	.01705	.0435
%RSD	4923.2	32.394	5.7322

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Analysis Report Averages 10/27/09 09:05:45 AM page 48

Method: ICAPNC Sample Name: MP10498-S1 Operator:
Run Time: 10/22/09 17:43 Filename: R102209
Mode: CONC Type: S Corr. Factor: 50.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.32495	53.212	.43445	2.7143	.43601	.42039
SDev	.023	.37241	.03082	.01052	.00313	.00031
%RSD	7.0804	.69987	7.0957	.3879	.71995	.07403

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	600.14	.41093	.39821	.39786	.40383	60.621
SDev	2.4138	.00294	.00985	.02477	.00764	.61815
%RSD	.40219	.71713	2.4747	6.2275	1.8932	1.0197

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	95.621	614.32	.55732	.47217	H5473.	.42185
SDev	.50354	2.8447	.00424	.00815	24.17	.03271
%RSD	.5266	.46305	.76218	1.727	.4416	7.7541

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.37989	.40549	.41246	.40585	.40336	.36655
SDev	.06367	.06739	.02362	.07644	.05051	.06252
%RSD	16.76	16.621	5.7278	18.836	12.523	17.056

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.44619	.42891	.37790	.3230	H15.43	.43436
SDev	.0568	.13791	.04574	.0114	.0698	.00591
%RSD	12.732	32.154	12.105	3.54	.4524	1.3611

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.31524	.41305	.63266
SDev	.04558	.00569	.00143
%RSD	14.461	1.3781	.22731

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Analysis Report Averages 10/27/09 09:05:45 AM page 49

Method: ICAPNC Sample Name: MP10489-S2 Operator:
Run Time: 10/22/09 17:49 Filename: R102209
Mode: CONC Type: S Corr. Factor: 50.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.34822	54.246	.47779	2.7461	.44708	.44160
SDev	.02879	.29444	.10783	.01923	.00272	.00154
%RSD	8.2697	.54279	22.57	.70051	.60885	.34942

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	610.98	.42570	.42942	.41835	.42801	62.788
SDev	1.4608	.00685	.01178	.01968	.0077	.72046
%RSD	.23908	1.6098	2.7433	4.7061	1.799	1.1475

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	97.988	621.97	.57619	.50489	H5505.	.45807
SDev	.05419	.77772	.00056	.0135	28.65	.01874
%RSD	.0553	.12504	.09833	2.6753	.5204	4.0916

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.31513	.44493	.42175	.41178	.41382	.38942
SDev	.09098	.04771	.02096	.0261	.05038	.06211
%RSD	28.871	10.724	4.971	6.3394	12.175	15.951

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.43316	.37030	.41611	.3774	H15.50	.45209
SDev	.02975	.08225	.0636	.0301	.0173	.01102
%RSD	6.8694	22.213	15.285	7.964	.1117	2.4397

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.51294	.43501	.52779
SDev	.02453	.02424	.00351
%RSD	4.7823	5.5741	.66507

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Analysis Report Averages 10/27/09 09:05:45 AM page 50

Method: ICAPNC Sample Name: T38015-4R Operator:
Run Time: 10/22/09 17:56 Filename: R102209
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00016	.08183	.03495	.32045	.51068	-.00003
SDev	.00019	.00387	.00091	.00181	.00092	.00004
%RSD	119.89	4.7359	2.6145	.56593	.18082	136.2

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	111.29	-.00009	.00006	.00016	.00229	3.1521
SDev	.17724	.00007	.0004	.00022	.00026	.01332
%RSD	.15926	86.342	601.44	136.16	11.321	.42269

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	5.5655	35.677	2.4711	.00352	157.4	.00280
SDev	.02646	.08216	.0035	.00022	.4264	.00002
%RSD	.47551	.23029	.14193	6.3678	.2708	1.0097

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00112	.00285	.00184	.00064	.00139	.00280
SDev	.00034	.00075	.00054	.00019	.0006	.00054
%RSD	30.778	26.613	29.359	29.704	43.243	19.552

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00199	-.00585	.00360	-.0000	.6075	.00183
SDev	.0018	.00282	.00141	.001	.0012	.00022
%RSD	90.692	48.23	39.373	3546	.1988	12.05

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00307	.00100	.00007
SDev	.00131	.00049	.00006
%RSD	42.681	49.338	91.533

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Analysis Report Averages 10/27/09 09:05:45 AM page 51

Method: ICAPNC Sample Name: T39876-1 Operator:
Run Time: 10/22/09 18:02 Filename: R102209
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00110	309.14	.11674	.10374	H76.556	.01558
SDev	.00004	.89749	.00556	.00415	.12664	.00019
%RSD	4.0026	.29031	4.7631	4.0012	.16542	1.242

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	574.93	.00050	.13059	.28837	.27279	304.19
SDev	.51311	.00027	.00079	.00114	.00128	.41934
%RSD	.08924	55.538	.61229	.39717	.47058	.13785

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	58.917	132.66	5.4849	.04787	10.79	.23111
SDev	.18942	.25469	.00861	.00183	.0181	.00268
%RSD	.32151	.19198	.15715	3.8415	.168	1.1606

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.03249	.31223	.19849	-.00208	-.00063	.01840
SDev	.00626	.00736	.00372	.0051	.01038	.01319
%RSD	19.275	2.3587	1.8773	244.95	1641.1	71.686

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.04107	-.03841	.01515	.0150	2.185	3.5442
SDev	.00489	.01031	.00465	.003	.0059	.00967
%RSD	11.912	26.862	30.679	19.96	.2701	.27304

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00105	.57876	.88944
SDev	.00126	.00323	.00106
%RSD	120.28	.55906	.11937

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Analysis Report Averages 10/27/09 09:05:45 AM page 52

Method: ICAPNC Sample Name: JA29708-2 Operator:
Run Time: 10/22/09 18:09 Filename: R102209
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.02407	70.023	.20809	.08175	4.5756	.00969
SDev	.00124	.21827	.00071	.00071	.00822	.00015
%RSD	5.1881	.31171	.34222	.8767	.17972	1.5877

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	53.837	.11417	.31077	7.9947	4.1001	193.62
SDev	.05447	.00057	.00128	.00649	.01004	.25554
%RSD	.10118	.5078	.41284	.08119	.24493	.13197

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	11.358	34.335	H100.86	.03845	61.96	1.0939
SDev	.0481	.05653	.08343	.00246	.548	.00169
%RSD	.42354	.16466	.08272	6.3989	.8843	.15478

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	4.4202	4.5758	4.5252	L-.01412	.00601	.02065
SDev	.01018	.01145	.00743	.00196	.00342	.00693
%RSD	.23045	.25036	.16427	13.929	56.837	33.567

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02586	-.00680	-.01901	.2356	1.260	1.0927
SDev	.00394	.00168	.00222	.0039	.0028	.00205
%RSD	15.264	24.752	11.713	1.662	.2242	.18787

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00017	.57950	H14.480
SDev	.01096	.00107	.02448
%RSD	6392.1	.18563	.16906

Zoom In
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Analysis Report Averages 10/27/09 09:05:45 AM page 53

Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/22/09 18:17 Filename: R102209
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.25226	40.484	2.0357	2.0307	2.0511	2.0507
SDev	.00037	.07191	.005	.00221	.00443	.00526
%RSD	.1467	.17764	.24571	.10901	.21619	.25685

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	40.476	2.0194	2.0077	2.0104	2.0280	40.345
SDev	.16314	.00714	.00541	.00501	.00436	.07967
%RSD	.40307	.35397	.26948	.24936	.21535	.19747

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	41.227	40.522	2.0174	1.9984	40.05	2.0233
SDev	.09241	.09925	.00397	.01171	.0838	.00469
%RSD	.22415	.24494	.19713	.58646	.2092	.23205

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9977	2.0302	2.0196	2.0495	2.0395	2.0318
SDev	.00796	.00561	.00628	.0023	.07453	.09495
%RSD	.39891	.27657	.31114	.11245	3.6546	4.6735

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0544	2.0587	2.0447	1.948	1.884	2.0193
SDev	.03397	.00226	.00344	.0053	.0023	.00149
%RSD	1.6536	.11008	.16849	.2725	.1245	.07417

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9974	1.9927	2.0452
SDev	.02309	.00169	.00606
%RSD	1.1565	.08516	.29632

Zoom In
Zoom Out

Analysis Report Averages 10/27/09 09:05:45 AM page 54

Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/22/09 18:28 Filename: R102209
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00045	.01333	-.00061	.00078	.00001	.00001
SDev	.00019	.00887	.00103	.00084	.00005	.00006
%RSD	43.403	66.549	167.84	107.39	378.73	363.31

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.00570	-.00006	-.00024	-.00001	.00004	-.00670
SDev	.0028	.0001	.00008	.00015	.00012	.00797
%RSD	49.157	160.81	36.546	1500.5	296.05	118.85

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.01991	.00007	.00003	.00071	.0266	.00019
SDev	.02103	.001	.00002	.00021	.0762	.00028
%RSD	105.64	1370.1	93.167	30.318	286.5	149.89

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00034	-.00054	-.00018	-.00113	.00156	.00115
SDev	.00067	.00056	.00045	.00113	.00086	.00084
%RSD	194.66	103.56	253.99	99.521	55.328	72.93

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00176	-.00089	-.00159	.0001	.0000	.00038
SDev	.00113	.00083	.00134	.001	0	.00011
%RSD	64.093	93.29	83.803	702.3	36.93	28.808

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00149	-.00001	.00038
SDev	.00074	.00024	.0001
%RSD	49.743	1298.6	27.059

ACCUTEST

Batch ID #: MP 10445

Aqueous Digestion Log

ICP DIGESTION METHOD: SW-846 3010A or EPA 200.7

Digestion Block ID #: 4 Thermometer ID #: 71 Prep Date: 10/14/09

Regular ✓		Acceptable Temperature Ranges: 90 to 95°C	
200.7		START TIME: 1845	END TIME: 710 10/15/09
TCLP			
SPLP		START TEMP: 95	END TEMP: 95°
Acid Reference ID #:		Spike Reference ID:	DOE:
1:1 HCl: MA2004-107-859		Spike Solution: MA2006-019-098	DOE: 4/6/10
HNO_3: AB09031		TCLP Spike Solution:	DOE:
Filter Lot #:		Spike Solution:	DOE:
Digestion Tube Lot#: A9054P037		Spike Solution:	DOE:

Sample ID	Initial pH	Adjusted pH	Sample Volume (mL)	Spike Amount (mL)	Acid Amount (mL)		Final Volume (mL)	Comments
				Spike / TCLP / Addit.	HNO3 / 1:1 HCl			
MB1	7	<2	50		1.5x2	5	50	
LC1(LC)	↓	↓	↓	1.0	↓	↓	↓	
LC2(LCD)								
SD1 T39513-1	<2	—	50		1.5x2	5	50	
D1(DUP)								
S1(MS)				1.0				
S2(MSD)				1.0				
1 T39513-1								
2 209-1								
3 -2								
4 -3								
5 -4								
6 -5								
7 -6								
8 -7								
9 -8								
10 316-1								
11 5								
12 11								
13 12								
14 513-1								
15 -7								
16 -8								
17 646-1								
18 -2								
19 785-1			5/50					
20 -2	↓	↓	↓		↓	↓	↓	

Lab Technician: LT Date: 10/27/09

Analyst: AS Date: 10/28/09

QC Reviewer: Date:

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Form: AA-018A
Rev. Date: 10/8/2009

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ACCUTEST

Batch ID #: MP 10489

Aqueous Digestion Log

ICP DIGESTION METHOD: SW-846 3010A or EPA 200.7

Digestion Block ID #: 4 Thermometer ID #: 71 Prep Date: 10/20/09

Regular ✓		Acceptable Temperature Ranges: 90 to 95°C	
200.7		START TIME: 1100	END TIME: 1645
TCLP			
SPLP		START TEMP: 95°	END TEMP: 95°
Acid Reference ID #:		Spike Reference ID:	DOE:
1:1 HCl: MA2004-107-859		Spike Solution: MA2006-016-098	DOE: 4/6/10
HNO_3: AA0G0831		TCLP Spike Solution:	DOE:
Filter Lot #:		Spike Solution:	DOE:
Digestion Tube Lot#: AG05LP057		Spike Solution:	DOE:

Sample ID	Initial pH	Adjusted pH	Sample Volume (mL)	Spike Amount (mL)	Acid Amount (mL)	Final Volume (mL)	Comments
				Spike / TCLP / Addit.	HNO3 / 1:1 HCl		
MB1	7	<2	50		1.5x2 5	50	
LC1(LC)	↓	↓	↓	1.0	↓ ↓	↓	
LC2(LCD)							
SD1 T39513-5	<2	—	50		1.5x2 5	50	
D1(DUP)							
S1(MS)				1.0			
S2(MSD)				1.0			
1 T39513-5							
2 675-1							
3 -2							
4 -3							
5 -4							
6 -5							
7 -6							
8 -7							
9 015-4							
10 -6							
11 -8							
12 234-4							
13							
14							
15							
16							
17							
18							
19							
20							

Lab Technician: IT Date: 10/20/09

Analyst: NS Date: 10/28/09

QC Reviewer: Date:

P.33

Form: AA-018A
Rev Date: 10/8/2009

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General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries
- Instrument Runlogs/QC

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Cyanide	GP7018/GN18369	0.010	0.0	mg/l	0.2	0.198	99.0	90-110%
Cyanide	GP7036/GN18412	0.010	0.0	mg/l	0.2	0.196	98.0	90-110%
Sulfate	GN18336	10	0.0	mg/l	100	93.0	93.0	80-120%
Sulfate	GN18466	10	0.0	mg/l	100	96.7	96.7	80-120%

Associated Samples:
Batch GN18336: T39513-1, T39513-7, T39513-8
Batch GN18466: T39513-5
Batch GP7018: T39513-1, T39513-2, T39513-3, T39513-4
Batch GP7036: T39513-5, T39513-6, T39513-7, T39513-8
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Cyanide	GP7018/GN18369	T39513-1	mg/l	0.10	0.076	27.3*	0-20%
Cyanide	GP7036/GN18412	T39672-1	mg/l	0.0	0.0	0.0	0-20%
Sulfate	GN18336	T39513-1	mg/l	5230	5230	0.2	0-20%
Sulfate	GN18466	T39864-3	mg/l	165	166	0.7	0-20%

Associated Samples:
Batch GN18336: T39513-1, T39513-7, T39513-8
Batch GN18466: T39513-5
Batch GP7018: T39513-1, T39513-2, T39513-3, T39513-4
Batch GP7036: T39513-5, T39513-6, T39513-7, T39513-8
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Cyanide	GP7018/GN18369	T39513-1	mg/l	0.10	0.2	0.24	70.0N	90-110%
Cyanide	GP7036/GN18412	T39672-1	mg/l	0.0	0.2	0.19	95.0	90-110%
Sulfate	GN18336	T39513-1	mg/l	5230	25	5250	98.8	75-125%
Sulfate	GN18466	T39864-3	mg/l	165	25	189	98.8	75-125%

Associated Samples:
Batch GN18336: T39513-1, T39513-7, T39513-8
Batch GN18466: T39513-5
Batch GP7018: T39513-1, T39513-2, T39513-3, T39513-4
Batch GP7036: T39513-5, T39513-6, T39513-7, T39513-8
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: 101709W2CN.TXT Date Analyzed: 10/17/09 Methods: EPA 335.4
Analyst: CV Run ID: GN18369
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:23	GN18369-ICV1	1		
12:23	GN18369-ICB1	1		
12:25	GP7018-B1	1		
12:26	GP7018-MB1	1		
12:28	ZZZZZZ	1		
12:28	ZZZZZZ	1		
12:30	ZZZZZZ	1		
12:31	ZZZZZZ	1		
12:33	ZZZZZZ	1		
12:33	ZZZZZZ	1		
12:35	ZZZZZZ	1		
12:36	ZZZZZZ	1		
12:38	GN18369-CCV1	1		
12:38	GN18369-CCB1	1		
12:40	ZZZZZZ	1		
12:41	ZZZZZZ	1		
12:43	ZZZZZZ	1		
12:43	ZZZZZZ	1		
12:45	GP7018-S1	1		
12:46	GP7018-D1	1		
12:48	T39513-1	1		
12:48	ZZZZZZ	1		
12:50	ZZZZZZ	1		
12:51	ZZZZZZ	1		
12:53	GN18369-CCV2	1		
12:53	GN18369-CCB2	1		
12:55	ZZZZZZ	1		
12:56	ZZZZZZ	1		
12:58	T39513-2	1		
12:58	T39513-3	1		
13:00	T39513-4	1		
13:01	GN18369-CCV3	1		
13:03	GN18369-CCB3	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: 101709W2CN.TXT Date Analyzed: 10/17/09 Methods: EPA 335.4
Run ID: GN18369 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN18369-ICV1	Cyanide	0.20	0.010	0.0040	.2	100.0	90-110
GN18369-ICB1	Cyanide	0.0040 U	0.010	0.0040			
GN18369-CCV1	Cyanide	0.29	0.010	0.0040	.3	96.7	90-110
GN18369-CCB1	Cyanide	0.0048	0.010	0.0040			
GN18369-CCV2	Cyanide	0.29	0.010	0.0040	.3	96.7	90-110
GN18369-CCB2	Cyanide	0.0040 U	0.010	0.0040			
GN18369-CCV3	Cyanide	0.30	0.010	0.0040	.3	100.0	90-110
GN18369-CCB3	Cyanide	0.0040 U	0.010	0.0040			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: 102109W2CN.TXT Date Analyzed: 10/21/09 Methods: EPA 335.4
Analyst: CV Run ID: GN18412
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:58	GN18412-ICV1	1		
11:59	GN18412-ICB1	1		
12:01	GP7036-B1	1		
12:01	GP7036-MB1	1		
12:03	ZZZZZZ	1		
12:04	ZZZZZZ	1		
12:06	ZZZZZZ	1		
12:06	ZZZZZZ	1		
12:08	ZZZZZZ	1		
12:09	ZZZZZZ	1		
12:11	ZZZZZZ	1		
12:11	ZZZZZZ	1		
12:13	GN18412-CCV1	1		
12:14	GN18412-CCB1	1		
12:16	ZZZZZZ	1		
12:16	ZZZZZZ	1		
12:18	ZZZZZZ	1		
12:19	ZZZZZZ	1		
12:21	ZZZZZZ	1		
12:21	GP7036-S1	1		
12:23	GP7036-D1	1		
12:24	T39672-1	1		(sample used for QC only; not part of login T39513)
12:26	ZZZZZZ	1		
12:26	T39513-5	1		
12:28	GN18412-CCV2	1		
12:29	GN18412-CCB2	1		
12:31	T39513-6	1		
12:31	T39513-7	1		
12:33	ZZZZZZ	1		
12:34	ZZZZZZ	1		
12:36	ZZZZZZ	1		
12:36	ZZZZZZ	1		
12:38	GN18412-CCV3	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: 102109W2CN.TXT Date Analyzed: 10/21/09 Methods: EPA 335.4
Analyst: CV Run ID: GN18412
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:39	GN18412-CCB3	1		
12:51	ZZZZZZ	2		
13:38	GN18412-CCV4	1		
13:39	GN18412-CCB4	1		
13:41	T39513-8	2		
13:41	GN18412-CCV5	1		
13:43	GN18412-CCB5	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: T39513
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: 102109W2CN.TXT Date Analyzed: 10/21/09 Methods: EPA 335.4
Run ID: GN18412 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN18412-ICV1	Cyanide	0.20	0.010	0.0040	.2	100.0	90-110
GN18412-ICB1	Cyanide	0.0040 U	0.010	0.0040			
GN18412-CCV1	Cyanide	0.30	0.010	0.0040	.3	100.0	90-110
GN18412-CCB1	Cyanide	0.0040 U	0.010	0.0040			
GN18412-CCV2	Cyanide	0.30	0.010	0.0040	.3	100.0	90-110
GN18412-CCB2	Cyanide	0.0040 U	0.010	0.0040			
GN18412-CCV3	Cyanide	0.30	0.010	0.0040	.3	100.0	90-110
GN18412-CCB3	Cyanide	0.0040 U	0.010	0.0040			
GN18412-CCV4	Cyanide	0.30	0.010	0.0040	.3	100.0	90-110
GN18412-CCB4	Cyanide	0.0040 U	0.010	0.0040			
GN18412-CCV5	Cyanide	0.31	0.010	0.0040	.3	103.3	90-110
GN18412-CCB5	Cyanide	-0.0053	0.010	0.0040			

(!) Outside of QC limits

General Chemistry

Raw Data

ACCUTEST

Gravimetric Sulfate EPA 375.3

GN Batch ID: 18336
Prep Date: 10/11/2009
Analyst: MELISSAC
Analysis Date: 10/12/2009
Instrument ID: WC

						Date:	10/12/2009	10/12/2009				
						Time (Start/Finish):	9:00	10:00				
						Temp Deg C (Start/Finish):	104/104	104/104				
Bottle #	Sample ID	Dish #	Filter Size	Volume Filtered (ml)	Filter tare weight (g)	Initial weight after drying (g)	Redry 1 Constant Weight in g (a)	Redry ?	Redry 2 Constant Weight in g (a)	Redry ?	Redry 3 Constant Weight in g (a)	SO4G (mg/l)
	ICV	1		100	0.11630	0.13950	0.13950	NO		FALSE		95.47
	ICB	2		100	0.11690	0.11690	0.11690	NO		FALSE		0.00
	LCS	3		100	0.11730	0.13990	0.13990	NO		FALSE		93.00
	MB	4		100	0.11350	0.11350	0.11350	NO		FALSE		0.00
	T39513-1	5		10	0.11300	0.24000	0.24000	NO		FALSE		5226.05
	T39513-1D	6		10	0.11420	0.24140	0.24140	NO		FALSE		5234.28
	T39513-1MS	7		10	0.11470	0.24230	0.24230	NO		FALSE		5250.74
	T39513-7	8		10	0.11240	0.23260	0.23260	NO		FALSE		4946.23
	T39513-8	9		10	0.11270	0.24900	0.24900	NO		FALSE		5608.75
	T38974-1	10		50	0.11420	0.26900	0.26900	NO		FALSE		1274.00
	T39400-1	11		50	0.11350	0.23050	0.23050	NO		FALSE		962.91
	T39187-1	12		50	0.11380	0.28430	0.28430	NO		FALSE		1403.22
	CCV	13		50	0.11660	0.12850	0.12850	NO		FALSE		97.94
	CCB	14		100	0.11730	0.11730	0.11730	NO		FALSE		0.00
	T39187-2	15		20	0.11330	0.25000	0.25000	NO		FALSE		2812.60
	T39187-3	16		25	0.11280	0.23670	0.23670	NO		FALSE		2039.39
	T39187-4	17		10	0.11380	0.23610	0.23610	NO		FALSE		5032.65
	CCV	18		50	0.11690	0.12890	0.12890	NO		FALSE		98.76
	CCB	19		100	0.11780	0.11780	0.11780	NO		FALSE		0.00
								FALSE		FALSE		
								FALSE		FALSE		
								FALSE		FALSE		
								FALSE		FALSE		

Comments:

MC 10/15/09
W 10/15/09

ACCUTEST

Gravimetric Sulfate

SM 4500 SO_4

Analyst : Melissa Contreras

GN# : 18336

Primary Std. GN080923A
Secondary Std. C25-WC-29-1
Spike GN081113A

Methyl Red GN081013A
1:1 HCl 25-WC-22-3
BaCl 25-WC-23-3

Date/Time/Oven Temp : 10/12/09 9:00 104

Date/Time/Oven Temp : 10/12/09 10:00 104

Sample I.D.	Bottle #	Dish #	Sample Vol (ml)	Initial Weight (g)	Dried Weight (g)	Final Weight (g)
ICV		1	100	0.11630	0.13950	0.13950
ICB		2		0.11690	0.11690	0.11690
LCS		3		0.11730	0.13990	0.13990
MB		4		0.11350	0.11350	0.11350
T39513-1		5	10	0.11300	0.24000	0.24000
-1D		6		0.11420	0.24140	0.24140
-1MS		7		0.11470	0.24230	0.24230
-7		8		0.11240	0.23260	0.23260
-8		9		0.11270	0.24900	0.24900
T38974-1		10	50	0.11420	0.26900	0.26900
T39410-1		11		0.11350	0.23050	0.23050
T39187-1		12		0.11380	0.28430	0.28430
CCV		13		0.11660	0.12850	0.12850
CCB		14	100	0.11730	0.11730	0.11730
T39187-2		15	20	0.11330	0.25000	0.25000
-3		16	25	0.11280	0.23670	0.23670
-4		17	10	0.11380	0.23610	0.23610
CCV		18	50	0.11690	0.12890	0.12890
CCB		19	100	0.11780	0.11780	0.11780
				MC	10/15/09	
						W 10/15/09

Form: GN013, Rev. 2 4/9/08, QAO

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ACCUTEST

Inorganic Data Review Checklist

Batch ID: 183360

1. **Following samples are reported in this package:**

Sample ID	deliv. Type Comments
T39513-1,7,8	
T38974-1	
T39400-1	
T39187-1,2,3,4	

	Checked by 1st review	2nd review
2. **Sample run log- instrument log + prep log** (Check all standard lot, amount used, sample preparation and dilution information, date and signature)	[✓]	[✓]
3. **Instrument performance report(s) (ICB, BSP, CAL. STDS)** (Check method criteria and frequency)	[✓]	[ ]
4. **Calibration (ICV/CCV/CRDL/ICs) summary** (Check a-method criteria; b -frequency; c-printout)	[✓]	[✓]
5. **Blank** (Check contamination (must be below MDL) and frequency)	[✓]	[✓]
6. **Blank Spike/LCS** (Check recovery and footnote and frequency)	[✓]	[✓]
7. **MS/MSD/DUP** (Check recovery and footnote and frequency)	[✓]	[✓]
8. **Holding Time** (Check footnotes for outside HT and makes sure notify Manager)	[✓]	[✓]
9. **Analytical Comments** (Check for any discrepencies)	[ ]	[ ]

1ST Reviewer;(sign/Date) [signature] 10/15/9

2nd Reviewer (Supervisor)(sign/Date) [signature] 10/15/09

Form: QA002, 2/08/01

12.1.1 12

ACCUTEST LABORATORIES GULF COAST
10165 HARWIN DRIVE
HOUSTON
TEXAS 77036
Phone : 713-271-4700 Fax : 713-271-4770
Web : WWW.ACCUTEST.COM

Method : WCYA Unit [mg/L] - EPA 335.4/9012 Cyanide 0.01 to 0.50 mg/L

Smp#/[Dil Fact]	Sample ID	Conc	OD	%Recovery/RPD	Flag	Analysis Time
R-4	RBL	0.0000	0.0076	0.00		12:18:30 PM
R-4	RBL	0.0000	0.0082	0.00		12:18:55 PM
R-4	RBL	0.0000	0.0086	0.00		12:21:00 PM
R-4	RBL	0.0000	0.0083	0.00		12:21:24 PM
1	ICV	0.1958	0.2303	0.00		12:23:29 PM
2	ICB	-0.0009	-0.0009	0.00	INV,><,LL	12:23:54 PM
3	BSP GP 7017/7018 - B1	0.1976	0.2325	0.00		12:25:59 PM
4	MB GP 7017/7018 - MB1	-0.0011	-0.0012	0.00	INV,><,LL	12:26:24 PM
5	T39314-2S1 GP 7017 - S1	0.1894	0.2228	0.00		12:28:28 PM
6	T39314-2D1 GP 7017 - D1	0.0050	0.0061	0.00		12:28:53 PM
7	T39314-2	0.0050	0.0061	0.00		12:30:58 PM
8	T39596-1	0.0013	0.0017	0.00	><	12:31:23 PM
9	T39596-2	0.0014	0.0019	0.00	><	12:33:28 PM
10	T39314-1	0.0040	0.0049	0.00		12:33:53 PM
11	T39314-3	0.0145	0.0173	0.00		12:35:57 PM
12	T39314-4	0.1251	0.1472	0.00		12:36:22 PM
13	CCV	0.2918	0.3432	0.00		12:38:27 PM
14	CCB	0.0048	0.0058	0.00	EPL	12:38:52 PM
15	T39314-5	0.0170	0.0202	0.00		12:40:57 PM
16	T39314-6	0.0849	0.1000	0.00		12:41:21 PM
17	T39423-1	0.0245	0.0290	0.00		12:43:26 PM
18	T39423-2	0.0529	0.0624	0.00		12:43:51 PM
19	T39513-1S1 GP 7018-S1	0.2440	0.2870	0.00		12:45:56 PM
20	T39513-1D1 GP 7018-D1	0.0755	0.0890	0.00		12:46:21 PM
21	T39513-1	0.1002	0.1180	0.00		12:48:25 PM
22	T39423-3	0.1114	0.1311	0.00		12:48:50 PM
23	T39423-4	0.0628	0.0740	0.00		12:50:55 PM
24	T39423-5	0.0068	0.0082	0.00		12:51:20 PM
25	CCV1	0.2915	0.3428	0.00		12:53:25 PM
26	CCB1	0.0002	0.0004	0.00	><	12:53:50 PM
27	T39423-6	0.0214	0.0254	0.00		12:55:54 PM
28	T39423-7	0.0390	0.0460	0.00		12:56:19 PM
29	T39513-2	0.0150	0.0179	0.00		12:58:24 PM
30	T39513-3	0.0230	0.0272	0.00		12:58:49 PM
31	T39513-4	0.0592	0.0698	0.00		1:00:54 PM
32	CCV2	0.2972	0.3495	0.00		1:01:19 PM

Report Date :10/17/2009 **Run Date :10/17/2009** **Operator : WESTCO** **Plan # :20091017002**

Plan Description : 101709w1cn CV 10/17/09

12.1.2 12

ACCUTEST LABORATORIES GULF COAST
10165 HARWIN DRIVE
HOUSTON
TEXAS 77036
Phone : 713-271-4700 Fax : 713-271-4770
Web : WWW.ACCUTEST.COM

Method : WCYA Unit [mg/L] - EPA 335.4/9012 Cyanide 0.01 to 0.50 mg/L

Smp#/[Dil Fact]	Sample ID	Conc	OD	%Recovery/RPD	Flag	Analysis Time
33	**CCB2**	**-0.0005**	**-0.0005**	**0.00**	**INV,><,LL**	**1:03:24 PM**

12.1.2 12

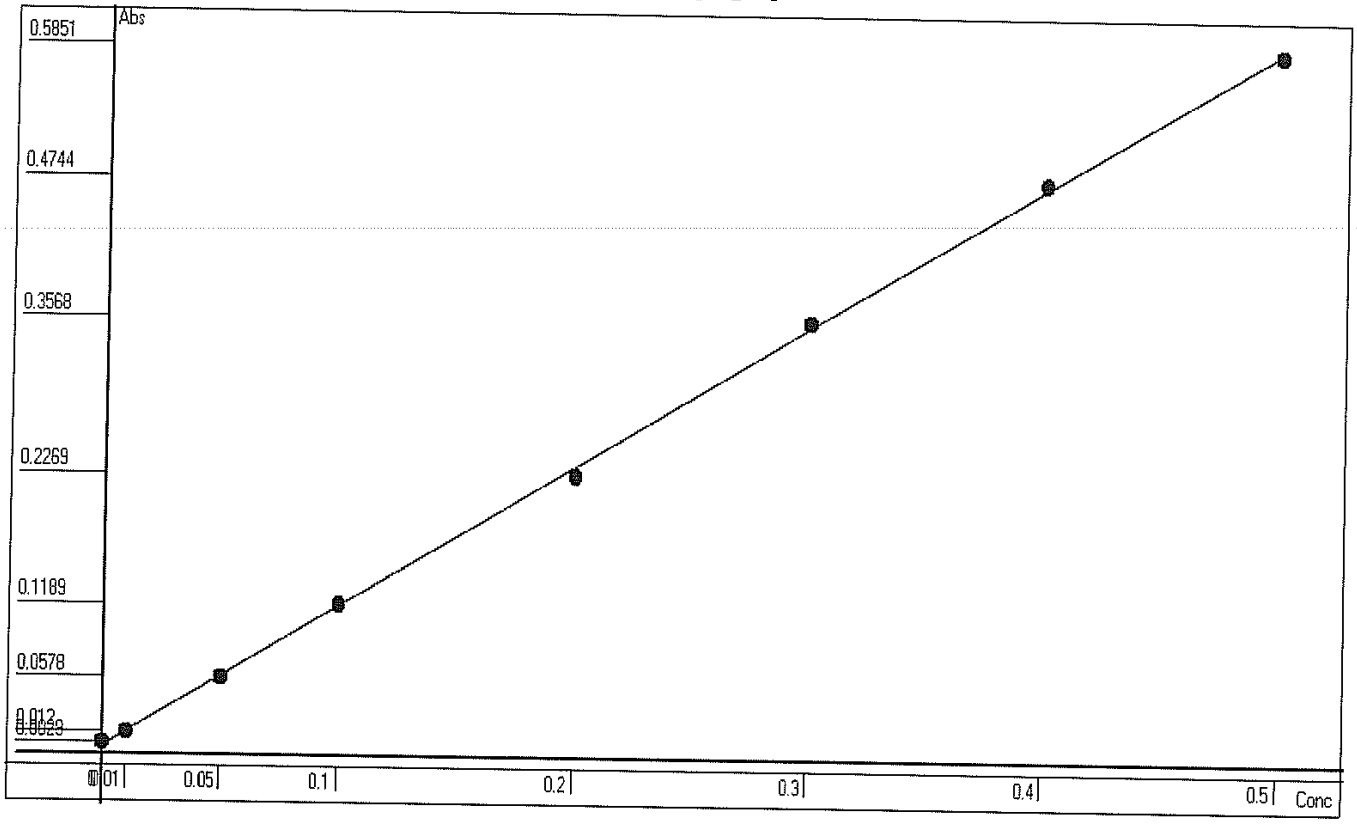
Report Date :10/17/2009 **Run Date :10/17/2009** **Operator : WESTCO** **Plan # :20091017002**

Plan Description : 101709w1cn CV 10/17/09

Calibrant Report - WCYA -

Calib Lot #:090408 Exp Date:9/30/2010 User:Westco Scientific

Plan # : 20091017002 Description : [101709w1cn] Unit [mg/L]



Point	OD	Conc	Recalc Conc	% Error
1	0.0029	0	0.0024	0
2	0.0120	0.01	0.0101	1
3	0.0578	0.05	0.0491	-2
4	0.1189	0.1	0.1011	1
5	0.2269	0.2	0.1929	-4
6	0.3568	0.3	0.3035	1
7	0.4744	0.4	0.4035	1
8	0.5851	0.5	0.4977	0

Conc= +0.8508*Abso -0.0001 R^2=0.9996

RBL

Report Date 10/17/2009 Run Date 6/8/2009

ad 10/17/09

12.1.2

12

ACCUTEST LABORATORIES GULF COAST
10165 HARWIN DRIVE
HOUSTON
TEXAS 77036
Phone : 713-271-4700 Fax : 713-271-4770
Web : WWW.ACCUTEST.COM

Sample #	Sample ID	Position	Dil	WCYA
1	ICV	Rack A1 - 1	1/1	X
2	ICB	Rack A1 - 2	1/1	X
3	BSP	Rack A1 - 3	1/1	X
4	MB	Rack A1 - 4	1/1	X
5	T39314-2S1	Rack A1 - 5	1/1	X
6	T39314-2D1	Rack A1 - 6	1/1	X
7	T39314-2	Rack A1 - 7	1/1	X
8	T39596-1	Rack A1 - 8	1/1	X
9	T39596-2	Rack A1 - 9	1/1	X
10	T39314-1	Rack A1 - 10	1/1	X
11	T39314-3	Rack A1 - 11	1/1	X
12	T39314-4	Rack A1 - 12	1/1	X
13	CCV	Rack A1 - 13	1/1	X
14	CCB	Rack A1 - 14	1/1	X
15	T39314-5	Rack A1 - 15	1/1	X
16	T39314-6	Rack A1 - 16	1/1	X
17	T39423-1	Rack B1 - 1	1/1	X
18	T39423-2	Rack B1 - 2	1/1	X
19	T39513-1S1	Rack B1 - 3	1/1	X
20	T39513-1D1	Rack B1 - 4	1/1	X
21	T39513-1	Rack B1 - 5	1/1	X
22	T39423-3	Rack B1 - 6	1/1	X
23	T39423-4	Rack B1 - 7	1/1	X
24	T39423-5	Rack B1 - 8	1/1	X
25	CCV1	Rack B1 - 9	1/1	X
26	CCB1	Rack B1 - 10	1/1	X
27	T39423-6	Rack B1 - 11	1/1	X
28	T39423-7	Rack B1 - 12	1/1	X
29	T39513-2	Rack B1 - 13	1/1	X
30	T39513-3	Rack B1 - 14	1/1	X
31	T39513-4	Rack B1 - 15	1/1	X
32	CCV2	Rack B1 - 16	1/1	X
33	CCB2	Rack C1 - 1	1/1	X

Report Date :10/17/2009 **Operator : WESTCO** **Plan # :20091017002**

Plan Description : 101709w1cn CW 10/17/09

12.1.2 12

ACCUTEST

Westco Analyzer Run Log

Date: 10/17/09
Time: 1225
Analyst: CV

Sources	
Primary Standard:	GN090108E
Secondary Standard:	GN090114A

Reagent	Reagent ID
Asc. Acid. Mixture	2UTC-6S-3
Color Reagent	2UTC-7-2
Chloramine-T	2UTC-7-3

CV

Lab Number	Bottle Number	pH Initial	pH Final	Comments	
ICV	2UTC-8-1				
ICB					
RST				ICB, refer to distillation log	
MB					
T39914-2S1	5			Agl, refer to distillation log	
-2D1	5				
-2	5				
T39576-1	10				
-2	10				
T39914-1	3				
-3	3				
-4	3				
CCV	2UTC-8-2				
CCB					
T39914-5	3				
-6	3				
T39423-1	3				
-2	3				
T39513-1S1	9			Agl, refer to distillation log	
-1D1	9				
-1	9				
T39423-3	3				
-4	3				
-5	3				
CCV	2UTC-8-2				
CCB					

P.39

Form: GN059 Rev. 0 8/28/08 QAO

12.1.2 12

ACCUTEST

Westco Analyzer Run Log

Date: 10/17/09
Time: 1205
Analyst: CW

Sources	
Primary Standard:	GN09040SE
Secondary Standard:	GN09011A

Reagent	Reagent ID
Amd. Phen Monitoring	217C-65-3
Cuam Reagent	217C-7-C
Chloramine T	217C-7-3

CN

Lab Number	Bottle Number	pH Initial	pH Final	Comments	
T39423-4	3				
↓ -7	3				
T39513-2	3				
-3	3				
↓ -4	3				
CCV	217C-8-2				
CCB					
					CW 10/17/09
			P.40		

Form: GN059 Rev. 0 8/28/08 QAO

12.1.2 12

ACCUTEST

CYANIDE DIGESTION LOG

DATE	ANALYST	MATRIX/ METHOD	SAMPLE ID	SAMPLE WT/ VOLUME		REMARKS
10/16/09	CW	9014/9012	Prep	0.5	1	
1550			LCS	0.5	2	120 mL 247C-6-1
			T39290-101	0.5075	3	120 mL 247C-6-1 DOH 1
			-1D1	0.5024	4	1
			-1	0.5070	5	1
			Prep	6 mL	6	
			LCS		7	247C-7-1
			T39314-2D1		8	120 mL 247C-6-1 pH >12 10 Neg 5
			-2D1		9	>12 Neg 5
			-2		10	>12 Neg 5
			T39596-1		11	>12 Neg 10
			-2		12	>12 Neg 10
			T39314-1		13	>12 Pos 3
			-3		14	>12 Neg 3
			-4		15	>12 Neg 3
			-5		16	>12 Pos 3
			-6		17	>12 Neg 3
			T39423-1		18	>12 Neg 3
			-2		19	>12 Neg 3
			-3		20	>12 Neg 3
			-4		21	>12 Neg 3
			-5		22	>12 Neg 3
			-6		23	>12 Neg 3

Reagents for Distillation | **Reagents for Analysis**

Releasing Agent: 207C-65-3

0.95N NaOH: 217C-76-2

Sulfamic Acid GN090622A

Magnesium Carbonate GN050722A

Form: GN035-01
Rev. Date: 7/2/09

ACCUTEST

CYANIDE DIGESTION LOG

DATE	ANALYST	MATRIX/ METHOD	SAMPLE ID	SAMPLE WT/ VOLUME	REMARKS
10/16/09	EV	335.4 /9012	T39423 - 7	6 mL 25	21TC Neg 3
					1ml ea 21TC-6-1
			T39513 - 151	26	>12 Neg 9
			- 1D1	26	>12 Neg 9
			- 1	27	>12 Neg 9
			- 2	28	>12 Neg 3
			- 3	29	>12 Neg 3
			- 4	30	>12 Neg 3
			Blk/Low	31	
			T39596 - 1 low	32	>12 Neg 10
			- 1 low Rep	33	>12 Neg 10
			- 2 low	34	>12 Neg 10
					EV 10/19/09

Reagents for Distillation | **Reagents for Analysis**

Releasing Agent: 21TC-65-2

0.95N NaOH: 21TC-76-2

Sulfamic Acid GN09 0625A
Calcium Hypochlorite 21TC-55-2
Acetic Acid GN09 0216A

Form: GN035-01
Rev. Date: 7/2/09

ACCUTEST

Inorganic Data Review Checklist

Batch ID: GN18368 & GN16369

1. **Following samples are reported in this package:**

Sample ID		deliv. Type Comments
T39314-1	T39423-3	
-2	-4	
-3	-5	
-4	-6	
-5	-7	
-6	T39513-1	
T39596-1	-2	
-2	-3	
T39423-1	-4	
-2		

	Checked by 1st review	2nd review
2. **Sample run log- instrument log + prep log** (Check all standard lot, amount used, sample preparation and dilution information, date and signature)	[✓]	[ ]
3. **Instrument performance report(s) (ICB, BSP, CAL. STDS)** (Check method criteria and frequency)	[✓]	[ ]
4. **Calibration (ICV/CCV/CRDL/ICs) summary** (Check a-method criteria; b -frequency; c-printout)	[✓]	[ ]
5. **Blank** (Check contamination (must be below MDL) and frequency)	[✓]	[ ]
6. **Blank Spike/LCS** (Check recovery and footnote and frequency)	[✓]	[ ]
7. **MS/MSD/DUP** (Check recovery and footnote and frequency)	[✓]	[ ]
8. **Holding Time** (Check footnotes for outside HT and makes sure notify Manager)	[✓]	[ ]
9. **Analytical Comments** (Check for any discrepencies)	[ ]	[ ]

1ST Reviewer;(sign/Date) ev 10/19/09

2nd Reviewer (Supervisor)(sign/Date)

Form: QA002, 2/08/01

12.1.2 12

ACCUTEST LABORATORIES GULF COAST

10165 HARWIN DRIVE
HOUSTON
TEXAS 77036
Phone : 713-271-4700 Fax : 713-271-4770
Web : WWW.ACCUTEST.COM

Method : WCYA Unit [mg/L] - EPA 335.4/9012 Cyanide 0.01 to 0.50 mg/L

Smp#/[Dil Fact]	Sample ID	Conc	OD	%Recovery/RPD	Flag	Analysis Time
R-4	RBL	0.0000	0.0064	0.00		11:53:49 AM
R-4	RBL	0.0000	0.0116	0.00		11:54:14 AM
R-4	RBL	0.0000	0.0107	0.00		11:56:19 AM
R-4	RBL	0.0000	0.0064	0.00		11:56:43 AM
1	ICV	0.1954	0.2299	0.00		11:58:48 AM
2	ICB	-0.0012	-0.0013	0.00	INV,><,LL	11:59:13 AM
3	BSP GP7036/GP7036-B1	0.1959	0.2305	0.00		12:01:18 PM
4	MB GP7036/GP7036-MB1	-0.0010	-0.0011	0.00	INV,><,LL	12:01:43 PM
5	T39646-6S1 GP7036-S1	0.1895	0.2229	0.00		12:03:47 PM
6	T39646-6D1 GP7036-D1	0.0095	0.0114	0.00		12:04:12 PM
7	T39646-6	0.0115	0.0137	0.00		12:06:17 PM
8	T39646-1	0.0468	0.0552	0.00		12:06:42 PM
9	T39646-2	0.1706	0.2007	0.00		12:08:47 PM
10	T39646-3	0.2607	0.3066	0.00		12:09:12 PM
11	T39646-4	0.0035	0.0042	0.00		12:11:16 PM
12	T39646-5	0.3660	0.4304	0.00		12:11:41 PM
13	CCV	0.3002	0.3530	0.00		12:13:46 PM
14	CCB	-0.0038	-0.0044	0.00	INV,><,LL	12:14:11 PM
15	T39646-7	0.0319	0.0377	0.00		12:16:16 PM
16	T39646-8	0.0083	0.0100	0.00		12:16:40 PM
17	T39646-9	0.0059	0.0070	0.00		12:18:45 PM
18	T39646-10	0.0042	0.0052	0.00		12:19:10 PM
19	T39646-11	0.0068	0.0081	0.00		12:21:15 PM
20	T39672-1S1 GP7036-S1	0.1862	0.2191	0.00		12:21:40 PM
21	T39672-1D1 GP7036-D1	0.0002	0.0003	0.00	><	12:23:44 PM
22	T39672-1	-0.0014	-0.0015	0.00	INV,><,LL	12:24:09 PM
23	T39672-2	-0.0014	-0.0015	0.00	INV,><,LL	12:26:14 PM
24	T39513-5	0.2479	0.2916	0.00		12:26:39 PM
25	CCV1	0.2996	0.3523	0.00		12:28:43 PM
26	CCB1	-0.0027	-0.0031	0.00	INV,><,LL	12:29:08 PM
27	T39513-6	0.0213	0.0253	0.00		12:31:13 PM
28	T39513-7	0.0373	0.0440	0.00		12:31:38 PM
29	T39513-8 NR	0.6151	0.7231	0.00	><,LH	12:33:43 PM
30	T39526-1	0.0093	0.0112	0.00		12:34:08 PM
31	T39865-1	-0.0009	-0.0009	0.00	INV,><,LL	12:36:13 PM
32	T39422-1	0.0005	0.0007	0.00	><	12:36:38 PM

Report Date :10/21/2009 Run Date :10/21/2009 Operator : WESTCO Plan # :20091021001

Plan Description : 102109w1cn

a/ 10/21/09

12.1.3

12

ACCUTEST LABORATORIES GULF COAST
10165 HARWIN DRIVE
HOUSTON
TEXAS 77036
Phone : 713-271-4700 Fax : 713-271-4770
Web : WWW.ACCUTEST.COM

Method : WCYA Unit [mg/L] - EPA 335.4/9012 Cyanide 0.01 to 0.50 mg/L

Smp#/[Dil Fact]	Sample ID	Conc	OD	%Recovery/RPD	Flag	Analysis Time
33	CCV2	0.2979	0.3503	0.00		12:38:43 PM
34	CCB2	-0.0024	-0.0027	0.00	INV,><,LL	12:39:08 PM
29-[1/2]	T39513-8 UL	0.5546	0.3261	0.00	LH	12:51:23 PM

Report Date :10/21/2009 **Run Date :10/21/2009** **Operator : WESTCO** **Plan # :20091021001**

Plan Description : 102109w1cn CV 10/21/09

12.1.3 12

ACCUTEST LABORATORIES GULF COAST
10165 HARWIN DRIVE
HOUSTON
TEXAS 77036
Phone : 713-271-4700 Fax : 713-271-4770
Web : WWW.ACCUTEST.COM

Method : WCYA Unit [mg/L] - EPA 335.4/9012 Cyanide 0.01 to 0.50 mg/L

Smp#/[Dil Fact]	Sample ID	Conc	OD	%Recovery/RPD	Flag	Analysis Time
R-4	RBL	0.0000	0.0060	0.00		1:33:42 PM
R-4	RBL	0.0000	0.0064	0.00		1:34:07 PM
R-4	RBL	0.0000	0.0058	0.00		1:36:12 PM
R-4	RBL	0.0000	0.0062	0.00		1:36:37 PM
1	CCV	0.3022	0.3554	0.00		1:38:42 PM
2	CCB	0.0015	0.0019	0.00	><	1:39:07 PM
3-[1/2]	T39513-8	0.5986	0.3519	0.00		1:41:12 PM
4	CCV1	0.3073	0.3613	0.00		1:41:37 PM
5	CCB1	-0.0053	-0.0061	0.00	INV,><,LL	1:43:42 PM

12.1.3

12

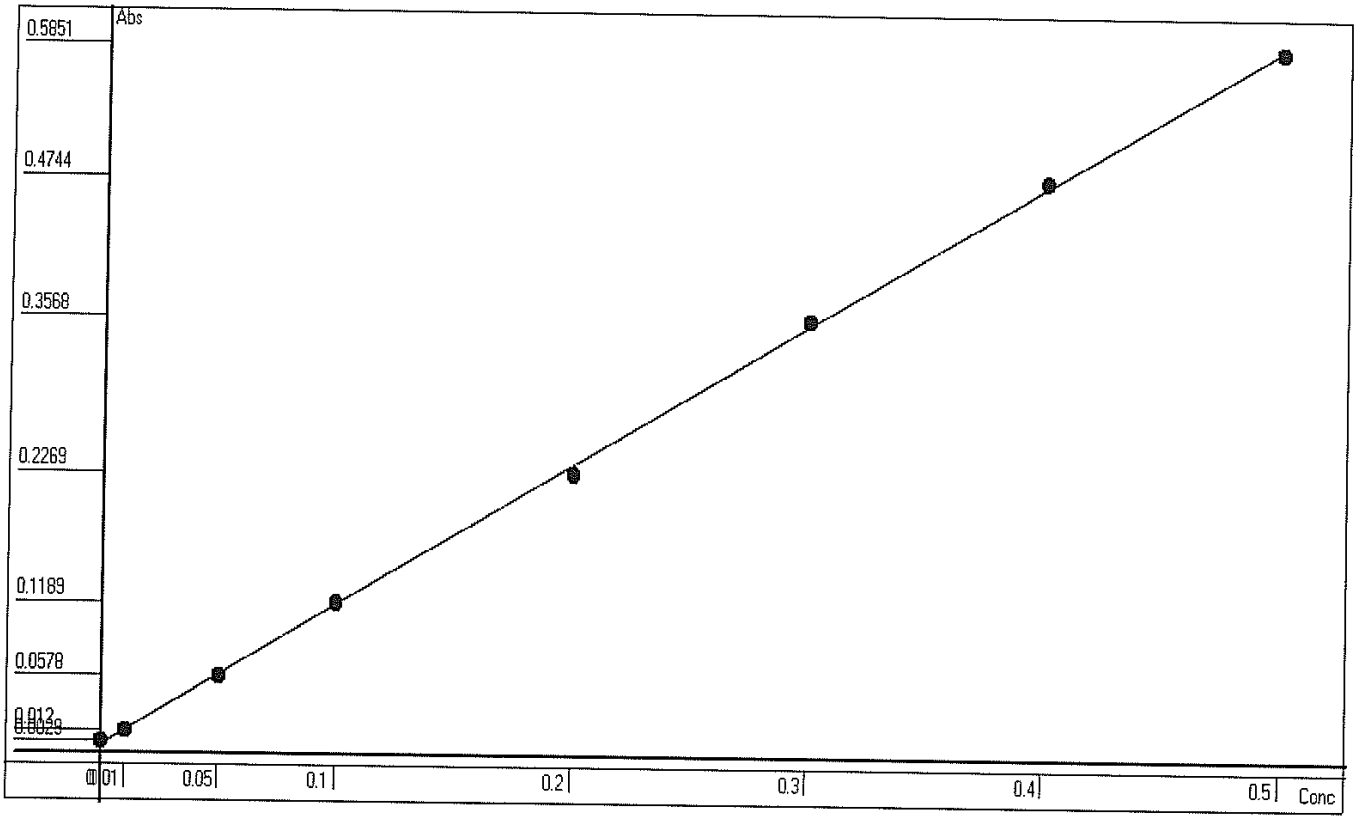
Report Date :10/21/2009 **Run Date :10/21/2009** **Operator : WESTCO** **Plan # :20091021002**

Plan Description : 102109w2cn @ 10/21/09

Calibrant Report - WCYA -

Calib Lot #:090408 Exp Date:9/30/2010 User:Westco Scientific

Plan # : 20091021001 Description : [102109w1cn] Unit [mg/L]



Point	OD	Conc	Recalc Conc	% Error
1	0.0029	0	0.0024	0
2	0.0120	0.01	0.0101	1
3	0.0578	0.05	0.0491	-2
4	0.1189	0.1	0.1011	1
5	0.2269	0.2	0.1929	-4
6	0.3568	0.3	0.3035	1
7	0.4744	0.4	0.4035	1
8	0.5851	0.5	0.4977	0

Conc= +0.8508*Abso -0.0001 R^2=0.9996

RBL

Report Date 10/21/2009 Run Date 6/8/2009

cd 10/21/09

12.1.3

12

ACCUTEST LABORATORIES GULF COAST
10165 HARWIN DRIVE
HOUSTON
TEXAS 77036
Phone : 713-271-4700 Fax : 713-271-4770
Web : WWW.ACCUTEST.COM

Sample #	Sample ID	Position	Dil	WCYA
1	ICV	Rack A1 - 1	1/1	X
2	ICB	Rack A1 - 2	1/1	X
3	BSP	Rack A1 - 3	1/1	X
4	MB	Rack A1 - 4	1/1	X
5	T39646-6S1	Rack A1 - 5	1/1	X
6	T39646-6D1	Rack A1 - 6	1/1	X
7	T39646-6	Rack A1 - 7	1/1	X
8	T39646-1	Rack A1 - 8	1/1	X
9	T39646-2	Rack A1 - 9	1/1	X
10	T39646-3	Rack A1 - 10	1/1	X
11	T39646-4	Rack A1 - 11	1/1	X
12	T39646-5	Rack A1 - 12	1/1	X
13	CCV	Rack A1 - 13	1/1	X
14	CCB	Rack A1 - 14	1/1	X
15	T39646-7	Rack A1 - 15	1/1	X
16	T39646-8	Rack A1 - 16	1/1	X
17	T39646-9	Rack B1 - 1	1/1	X
18	T39646-10	Rack B1 - 2	1/1	X
19	T39646-11	Rack B1 - 3	1/1	X
20	T39672-1S1	Rack B1 - 4	1/1	X
21	T39672-1D1	Rack B1 - 5	1/1	X
22	T39672-1	Rack B1 - 6	1/1	X
23	T39672-2	Rack B1 - 7	1/1	X
24	T39513-5	Rack B1 - 8	1/1	X
25	CCV1	Rack B1 - 9	1/1	X
26	CCB1	Rack B1 - 10	1/1	X
27	T39513-6	Rack B1 - 11	1/1	X
28	T39513-7	Rack B1 - 12	1/1	X
29	T39513-8	Rack B1 - 13	1/1	X
30	T39526-1	Rack B1 - 14	1/1	X
31	T39865-1	Rack B1 - 15	1/1	X
32	T39422-1	Rack B1 - 16	1/1	X
33	CCV2	Rack C1 - 1	1/1	X

Report Date :10/21/2009 **Operator : WESTCO** **Plan # :20091021001**

Plan Description : 102109w1cn

CW 10/21/09

ACCUTEST LABORATORIES GULF COAST
10165 HARWIN DRIVE
HOUSTON
TEXAS 77036
Phone : 713-271-4700 Fax : 713-271-4770
Web : WWW.ACCUTEST.COM

Sample #	Sample ID	Position	Dil	WCYA
34	CCB2	Rack C1 - 2	1/1	X

12.1.3 12

Report Date :10/21/2009 Operator : WESTCO Plan # :20091021001

Plan Description : 102109w1cn

a/ 10/21/09

ACCUTEST

Westco Analyzer Run Log

Date: 10/21/09
Time: 1:43
Analyst: CW

Sources	
Primary Standard:	GN09 0405 E
Secondary Standard:	GN 090114 A

Reagent	Reagent ID
Acid. Phos. Mono Basic	247E-10-2
Cadmium Reagent	247E-7-2
Chloramine T	247E-10-3

CW

Lab Number	Bottle Number	pH Initial	pH Final	Comments	
ICV	247E-11-1				
ICB					
DSP				LCS, refer to distillation log	
MB					
T39646-6S1	3			Lab, refer to distillation log	
-6D1	3				
-6	3				
-1	5				
-2	5				
-3	3				
-4	3				
-5	3				
CCV	247E-11-2				
CCB					
T39646-7	3				
-8	3				
-9	3				
-10	3				
-11	3				
T39672-1S1	4			Lab, refer to distillation log	
-1D1	4				
-1	4				
-2	4				
T39513-5	5				
CCV	247E-11-2				
CCB			P.49		

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ACCUTEST

Westco Analyzer Run Log

Date: 10/21/09
Time: 1140
Analyst: ev

Reagent	Reagent ID
Sod. Phen. Mono Basic	241C-10-2
Color Reagent	241C-7-2
Chloramine T	241C-10-3

Sources	
Primary Standard:	GN090405E
Secondary Standard:	GN090114A

ew

Lab Number	Bottle Number	pH Initial	pH Final	Comments	
T39513-6	3				
-7	5				
-8	5				
T39526-1	4				
T39565-1	1				
T39422-1	10				
CCV	241C-11-2				
CCB					

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ACCUTEST

CYANIDE DIGESTION LOG

DATE	ANALYST	MATRIX/ METHOD	SAMPLE ID	SAMPLE WT/ VOLUME	REMARKS
10/20/09 1450	CW	33K.4 / 9012	PB	6 ml 1	
			WB	2	120 ml 2M TC-6-1
			T39646-6S1	3	120 ml 2M TC-6-1 pH >12 S Neg Pos 3
			-6D1	4	>12 Neg 3
			-6	5	>12 Neg 3
			-1	6	>12 Pos 5
			-2	7	>12 Pos 5
			-3	8	>12 Pos 3
			-4	9	>12 Neg 3
			-5	10	>12 Pos 3
			-7	11	>12 Neg 3
			-8	12	>12 Neg 3
			-9	13	>12 Neg 3
			-10	14	>12 Pos 3
			-11	15	>12 Neg 3
			T39672-1S1	16	120 ml 2M TC-6-1 >12 Neg 4
			-1D1	17	>12 Neg 4
			-1	18	>12 Neg 4
			-2	19	>12 Neg 4
			T39513-5	20	>12 Neg 5
			-6	21	>12 Neg 3
			-7	22	>12 Neg 5
			-8	23	>12 Neg 5

Reagents for Distillation

Releasing Agent: 23TC-63-3

0.95N NaOH: 21TC-76-2

Sulfamic Acid GN090625A

Cadmium Carbonate GN080722A

Reagents for Analysis

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Form: GN035-01
Rev. Date: 7/2/09

ACCUTEST

CYANIDE DIGESTION LOG

DATE	ANALYST	MATRIX/ METHOD	SAMPLE ID	SAMPLE WT/ VOLUME	REMARKS
10/20/09	CV	335.4/9012	T395226-1	6 mL 24	pH >12 S⁻ Neg Bot 4
			T398605-1	25	>12 Neg 1
			T394222-1	26	>12 Neg 10
			MB/LCS	27	
			T395226-1 Dup	28	>12 Neg 4
			↓ -1 Dup Dup	29	>12 Neg 4
			T398605-1 Dup	30	>12 Neg 1
			T394222-1 Dup	31	>12 Neg 10
					CV 10/21/09

Reagents for Distillation

Releasing Agent: 23TC-63-3

0.95N NaOH: 21TC-76-2

sulfamic acid GN090625A

calcium hypochlorite 23TC-55-2

barium acid GN090216A

Reagents for Analysis

Form: GN035-01
Rev. Date: 7/2/09

ACCUTEST

Inorganic Data Review Checklist

Batch ID: GN18410 & GN18412

1. **Following samples are reported in this package:**

Sample ID		deliv. Type Comments
T39646-1	T39646-11	
-2	T39672-1	
-3	-2	
-4	T39513-5	
-5	-6	
-6	-7	
-7	-8	
-8	T39526-1	
-9	T39865-1	
-10	T39422-1	

	Checked by 1st review	2nd review
2. **Sample run log- instrument log + prep log** (Check all standard lot, amount used, sample preparation and dilution information, date and signature)	[✓]	[ ]
3. **Instrument performance report(s) (ICB, BSP, CAL. STDS)** (Check method criteria and frequency)	[✓]	[ ]
4. **Calibration (ICV/CCV/CRDL/ICs) summary** (Check a-method criteria; b -frequency; c-printout)	[✓]	[ ]
5. **Blank** (Check contamination (must be below MDL) and frequency)	[✓]	[ ]
6. **Blank Spike/LCS** (Check recovery and footnote and frequency)	[✓]	[ ]
7. **MS/MSD/DUP** (Check recovery and footnote and frequency)	[✓]	[ ]
8. **Holding Time** (Check footnotes for outside HT and makes sure notify Manager)	[✓]	[ ]
9. **Analytical Comments** (Check for any discrepencies)	[ ]	[ ]

1ST Reviewer;(sign/Date) W 10/21/09

2nd Reviewer (Supervisor)(sign/Date)

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