LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM100517\
Data File : BM011933.D
Acq On : 05 Oct 2017 20:08
Operator : SJ/JU
Sample : I5449-02 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-40(0-1)-092617

Integration Parameters: LSCINT.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 : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.869	802	813	821	rBV	1064051	1778790	13.40%	2.423%
2	9.710	1118	1126	1131	rBV	322083	697519	5.26%	0.950%
3	10.675	1283	1290	1298	rBV	1249899	2233228	16.83%	3.042%
4	11.293	1387	1395	1420	rVB3	168718	770956	5.81%	1.050%
5	14.522	1933	1944	1951	rBV2	1725551	2857044	21.53%	3.891%
6	15.504	2107	2111	2117	rVB	483867	688079	5.18%	0.937%
7	15.998	2188	2195	2209	rBV	3650178	5763050	43.42%	7.850%
8	16.428	2263	2268	2274	rVB	1860216	2492298	18.78%	3.395%
9	17.257	2403	2409	2413	rBV2	2015453	2839072	21.39%	3.867%
10	17.774	2492	2497	2506	rBV	1027184	1493458	11.25%	2.034%
11	18.133	2553	2558	2562	rBV	1451679	1943642	14.64%	2.647%
12	18.351	2591	2595	2600	rVB	704883	910475	6.86%	1.240%
13	18.486	2614	2618	2628	rVB	1530810	2095904	15.79%	2.855%
14	18.827	2669	2676	2688	rVB2	2240770	4307774	32.46%	5.867%
15	18.963	2695	2699	2709	rVB2	1179964	1659486	12.50%	2.260%
16	19.310	2752	2758	2766	rBV3	1147239	2568685	19.35%	3.499%
17	19.404	2767	2774	2787	rVB4	1556679	3871907	29.17%	5.274%
18	19.563	2796	2801	2810	rVB2	4792486	6947430	52.35%	9.463%
19	19.645	2811	2815	2817	rBV2	653741	923788	6.96%	1.258%
20	19.716	2823	2827	2832	rVB	1753577	2141493	16.14%	2.917%
21	20.557	2966	2970	2977	rVB	2248620	2636330	19.86%	3.591%
22	21.357	3097	3106	3113	rBV2	5815387	13272314	100.00%	18.078%
23	21.427	3114	3118	3122	rVB	2822486	3724747	28.06%	5.073%
24	23.604	3484	3488	3494	rVB2	928434	1639498	12.35%	2.233%
25	23.756	3509	3514	3521	rVB	1617112	3160846	23.82%	4.305%

Sum of corrected areas: 73417813

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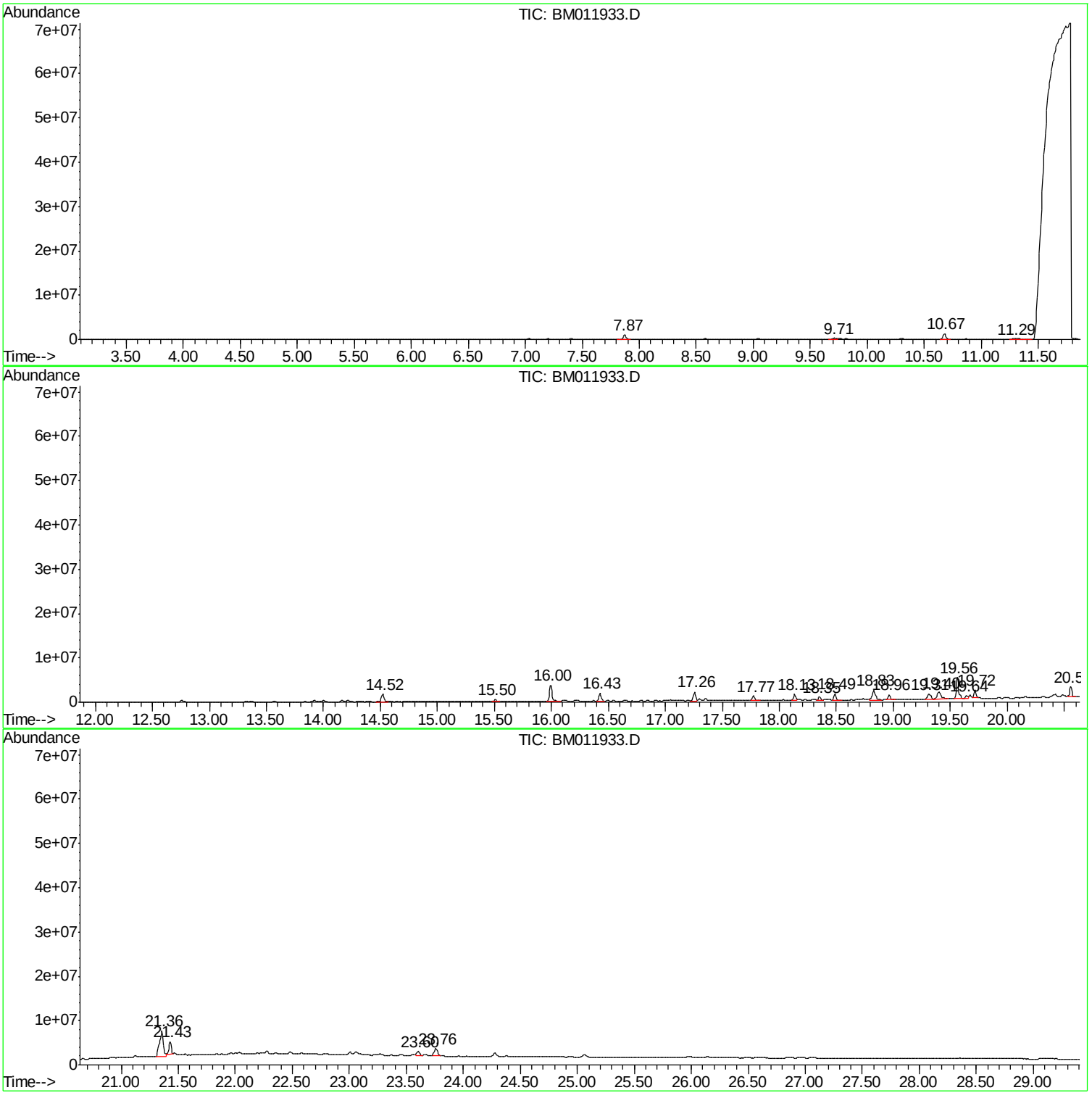
BNA_M
ClientSampleId :
B-40(0-1)-092617

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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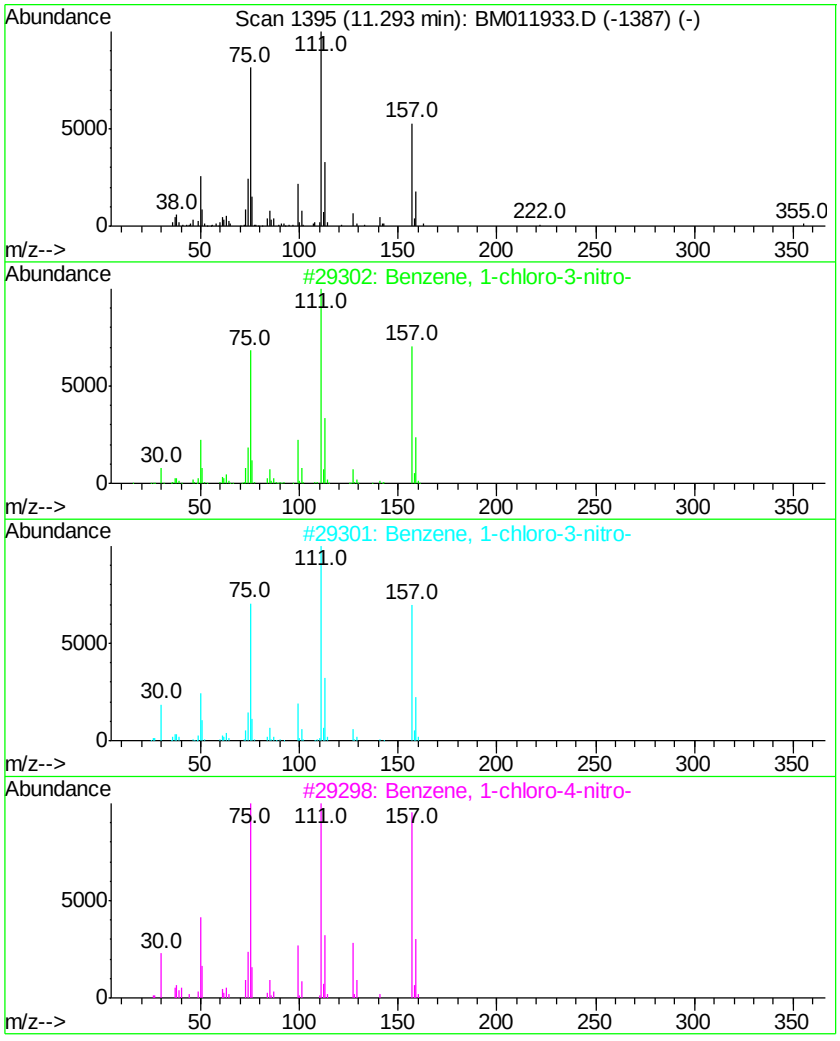
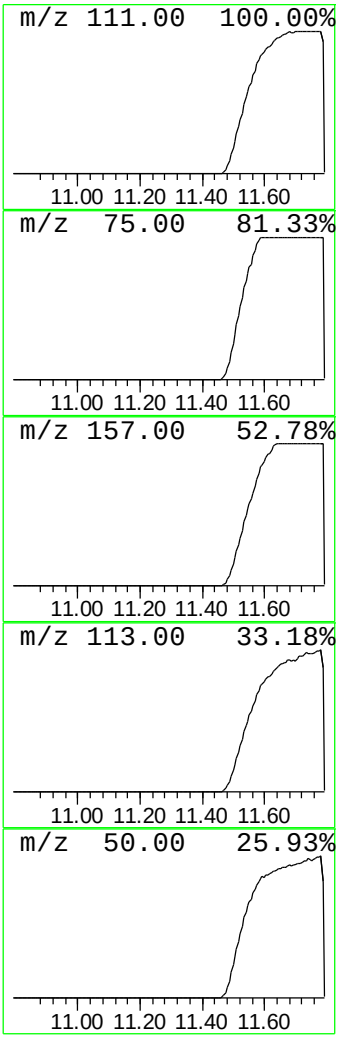
Peak Number 2 Benzene, 1-chloro-3-nitro- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	6.90 ng/ul	770956	Naphthalene-d8	10.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-chloro-3-nitro-	157	C6H4ClNO2	000121-73-3	97
2	Benzene, 1-chloro-3-nitro-	157	C6H4ClNO2	000121-73-3	96
3	Benzene, 1-chloro-4-nitro-	157	C6H4ClNO2	000100-00-5	94
4	Benzene, 1-chloro-3-nitro-	157	C6H4ClNO2	000121-73-3	92
5	Benzene, 1-chloro-4-nitro-	157	C6H4ClNO2	000100-00-5	90





Library Search Compound Report

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Instrument : BNA_M
ClientSampleId : B-40(0-1)-092617

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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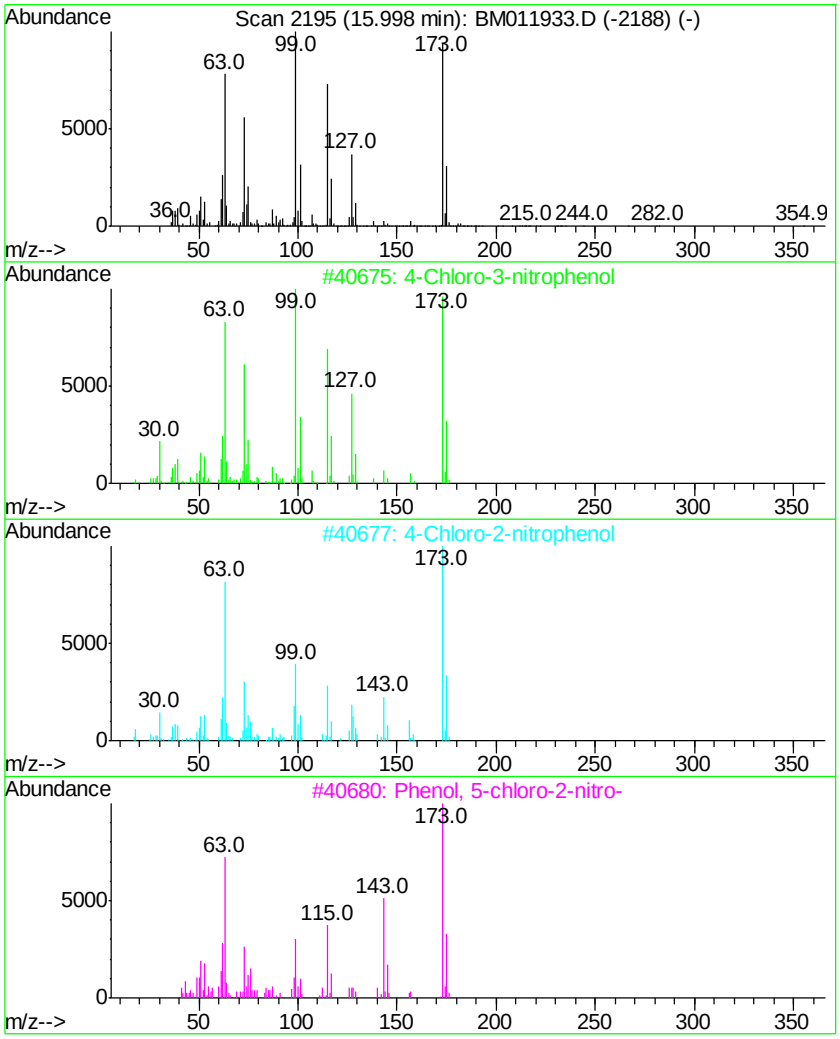
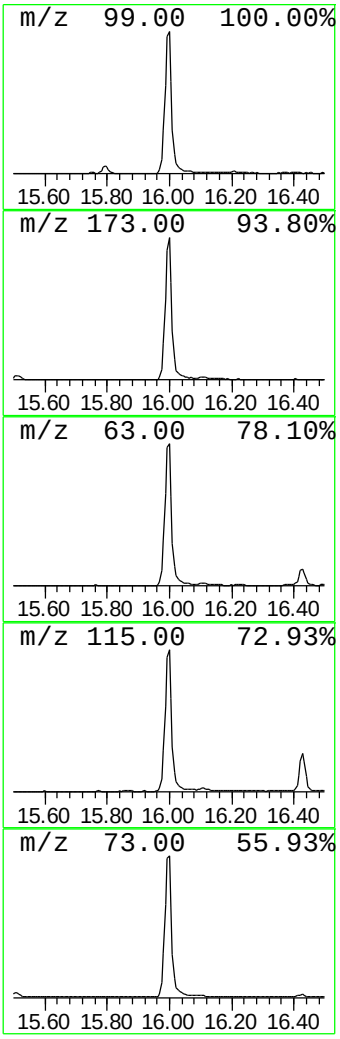
Peak Number 3 4-Chloro-3-nitrophenol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	40.60 ng/ul	5763050	Phenanthrene-d10	17.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-3-nitrophenol	173	C6H4ClNO3	000610-78-6	99
2	4-Chloro-2-nitrophenol	173	C6H4ClNO3	000089-64-5	91
3	Phenol, 5-chloro-2-nitro-	173	C6H4ClNO3	000611-07-4	64
4	3-Chloro-4-nitrophenol	173	C6H4ClNO3	000491-11-2	45
5	2-Chloroethyl ethyl carbonate	152	C5H9ClO3	1000373-77-4	38





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Instrument : BNA_M
ClientSampleId : B-40(0-1)-092617

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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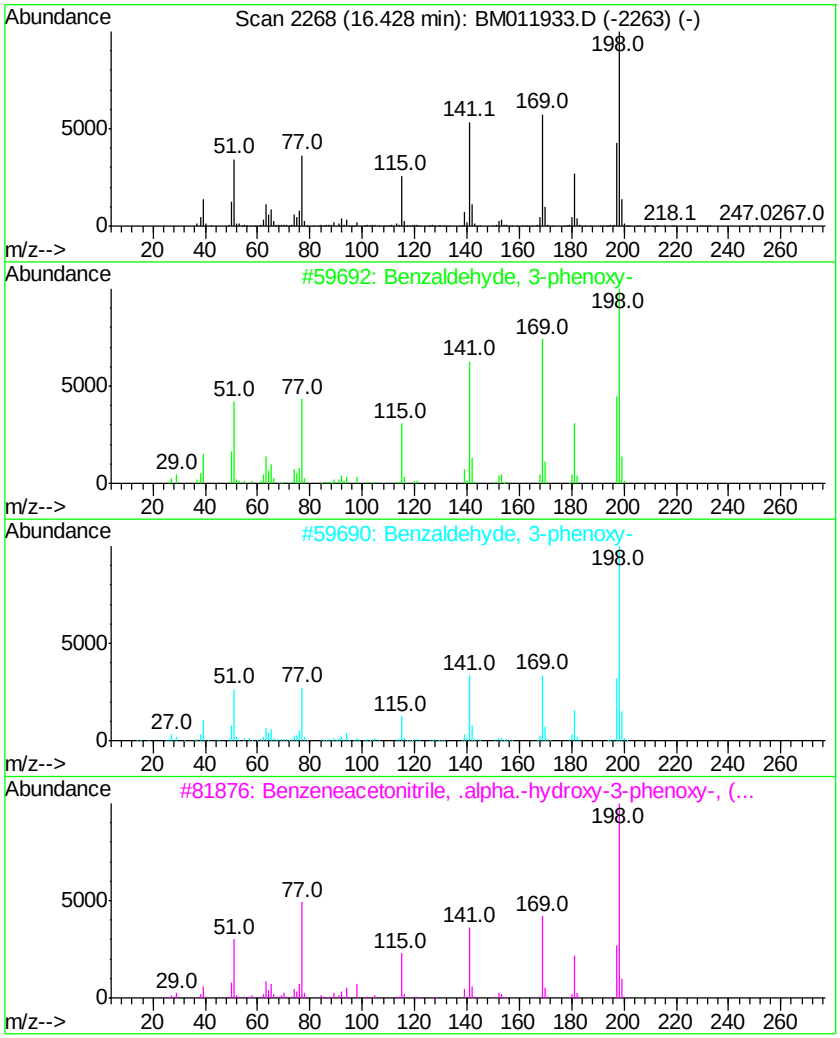
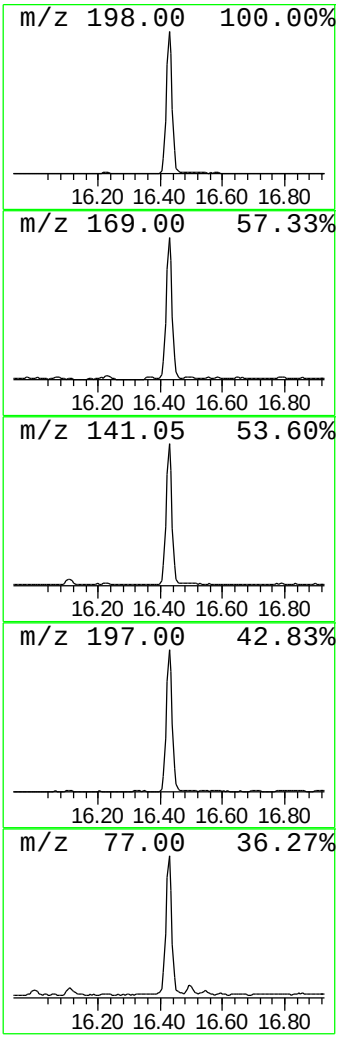
Peak Number 4 Benzaldehyde, 3-phenoxy- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	17.56 ng/ul	2492300	Phenanthrene-d10	17.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3-phenoxy-	198	C13H10O2	039515-51-0	99
2	Benzaldehyde, 3-phenoxy-	198	C13H10O2	039515-51-0	93
3	Benzeneacetonitrile, .alpha.-hyd...	225	C14H11NO2	052315-06-7	83
4	1,6-Dioxaspiro[4.4]nona-2,8-dien...	198	C13H10O2	017089-43-9	49
5	2-Propen-1-one, 3-(2-furanyl)-1-...	198	C13H10O2	000717-21-5	38





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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-40(0-1)-092617

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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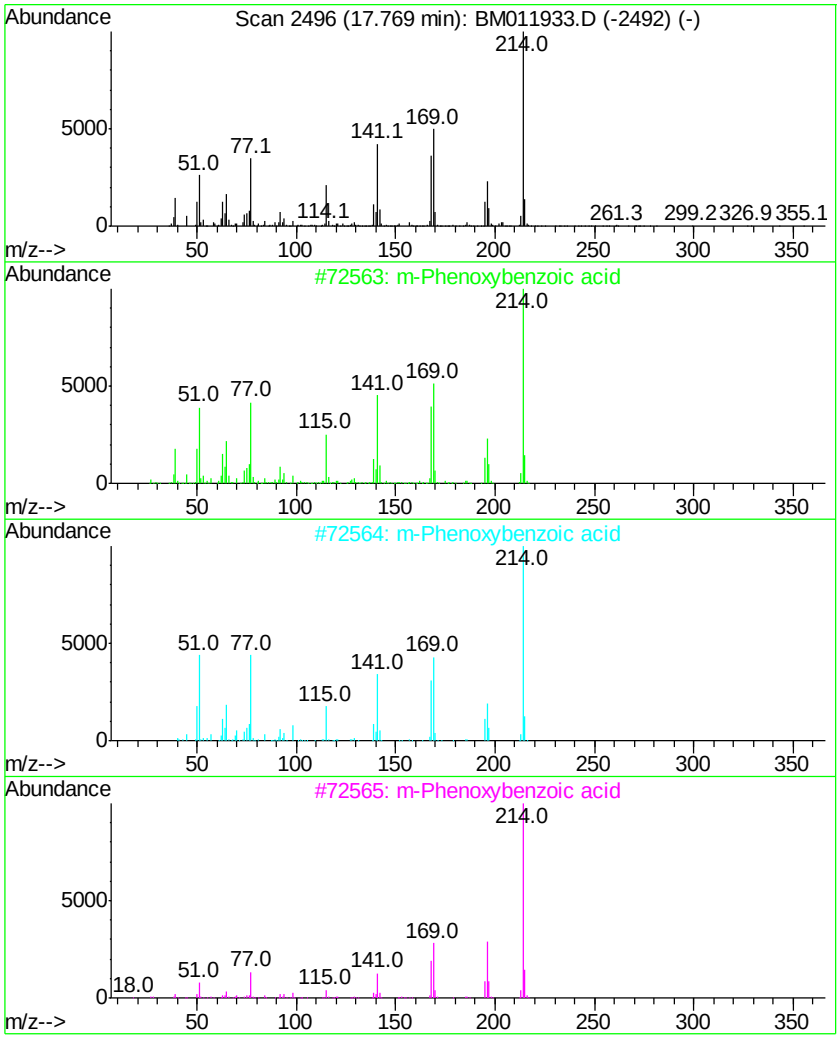
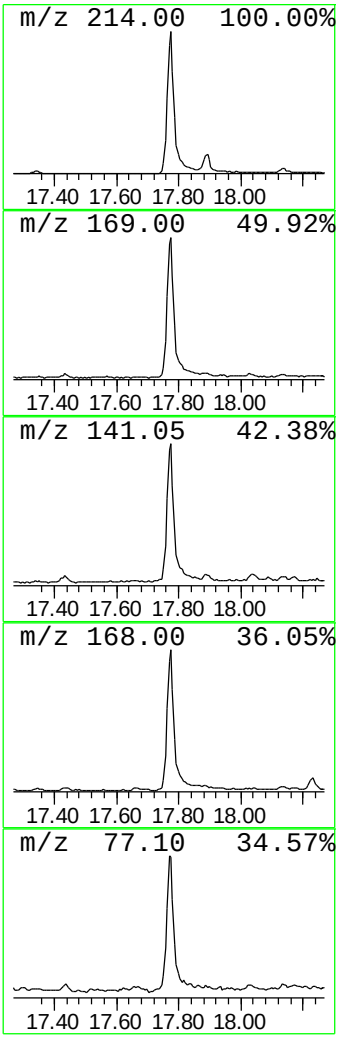
****

Peak Number 5 m-Phenoxybenzoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.77	10.52 ng/ul	1493460	Phenanthrene-d10	17.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	m-Phenoxybenzoic acid	214	C13H10O3	003739-38-6	98
2	m-Phenoxybenzoic acid	214	C13H10O3	003739-38-6	95
3	m-Phenoxybenzoic acid	214	C13H10O3	003739-38-6	70
4	Benzoic acid, 4-phenoxy-	214	C13H10O3	002215-77-2	49
5	Benzenamine, 2-nitro-N-phenyl-	214	C12H10N2O2	000119-75-5	46





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Operator : SJ/JU
Sample : I5449-02 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-40(0-1)-092617

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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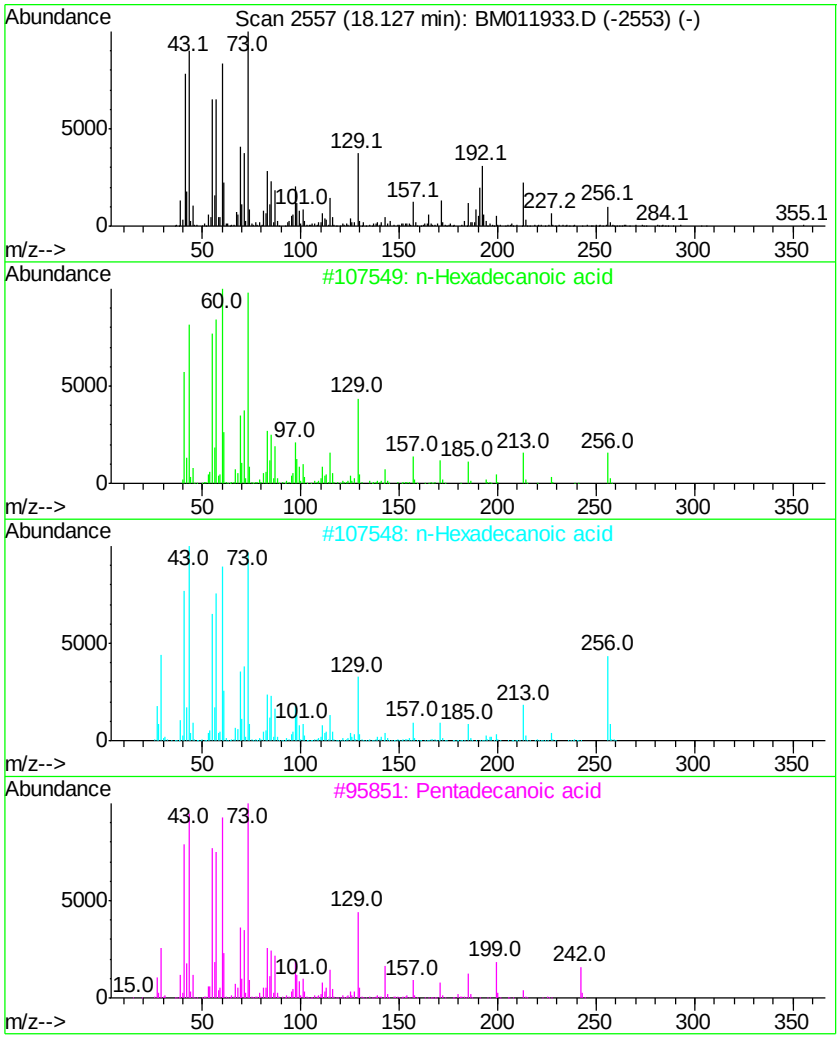
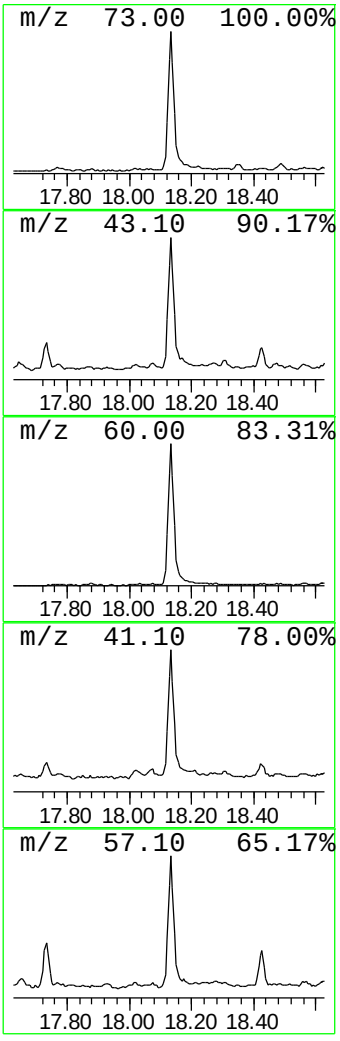
****

Peak Number 6 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	13.69 ng/ul	1943640	Phenanthrene-d10	17.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	90
5	Tridecanoic acid	214	C13H26O2	000638-53-9	86





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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION

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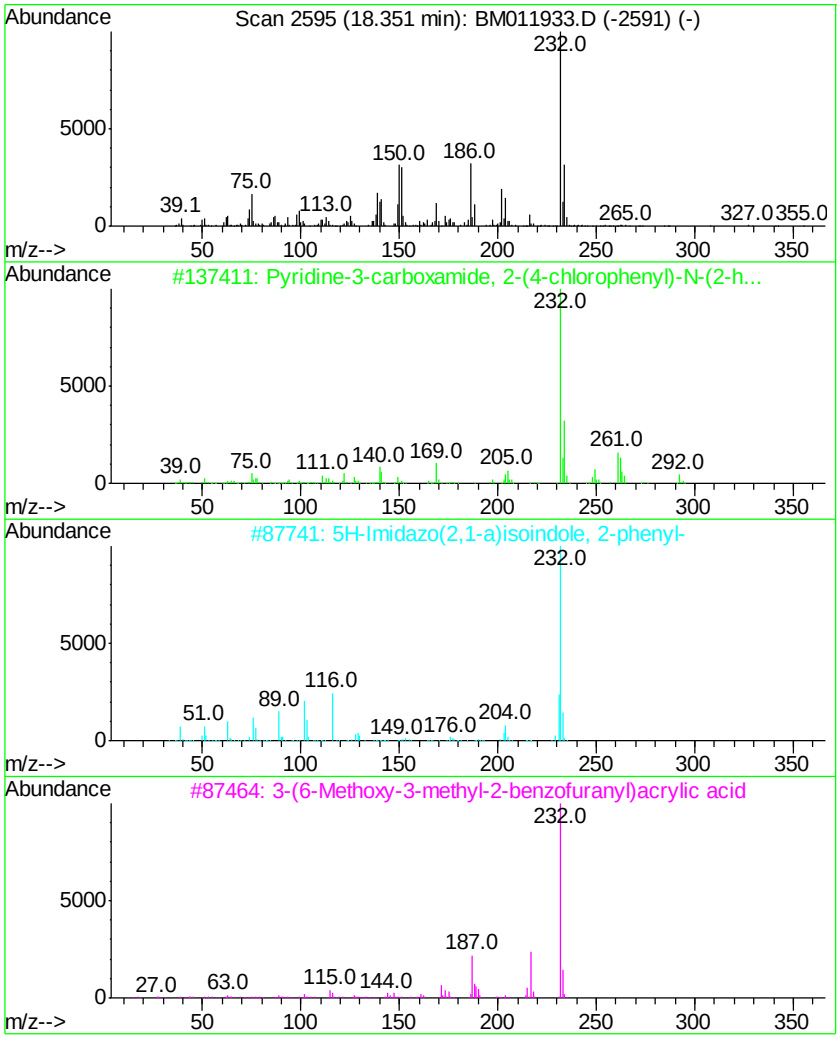
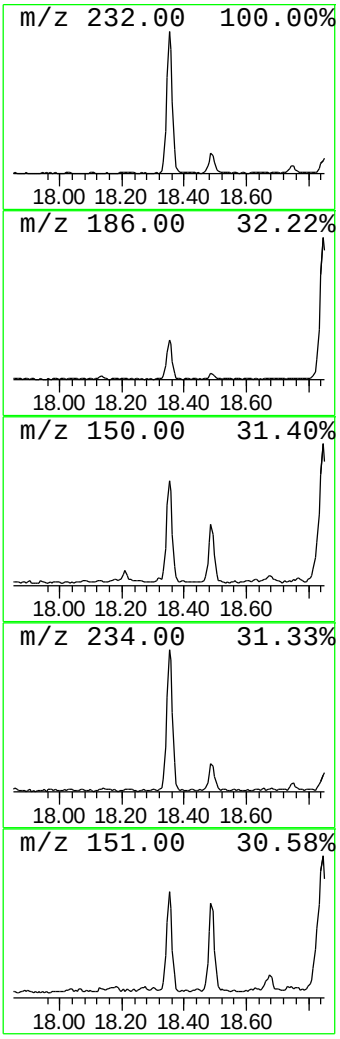
****

Peak Number 7 unknown-01 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	6.41 ng/ul	910475	Phenanthrene-d10	17.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine-3-carboxamide, 2-(4-chl...	292	C14H13ClN2O3	309743-02-0	47
2	5H-Imidazo(2,1-a)isoindole, 2-ph...	232	C16H12N2	061001-00-1	38
3	3-(6-Methoxy-3-methyl-2-benzofur...	232	C13H12O4	010410-32-9	38
4	2,4-Diamino-8-chloro-9H-indeno[2...	232	C11H9ClN4	024007-28-1	37
5	1,4-Bis(6-methylpyridin-3-yl)but...	232	C16H12N2	1000327-18-9	35





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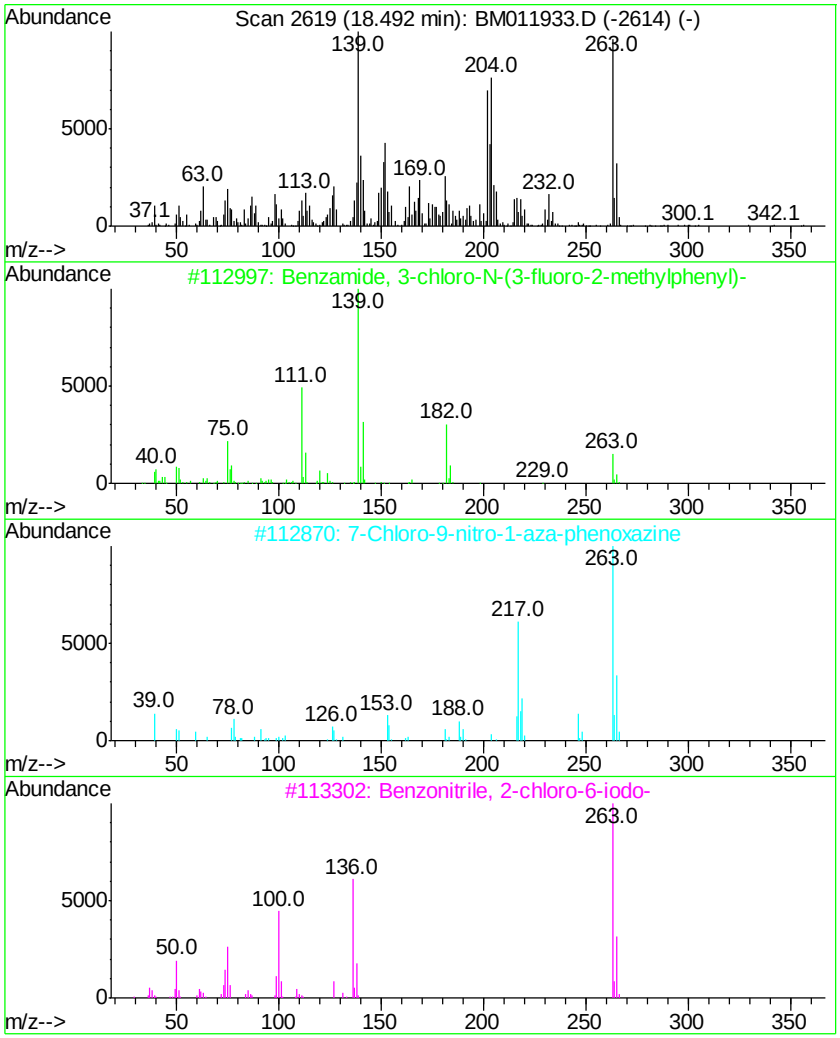
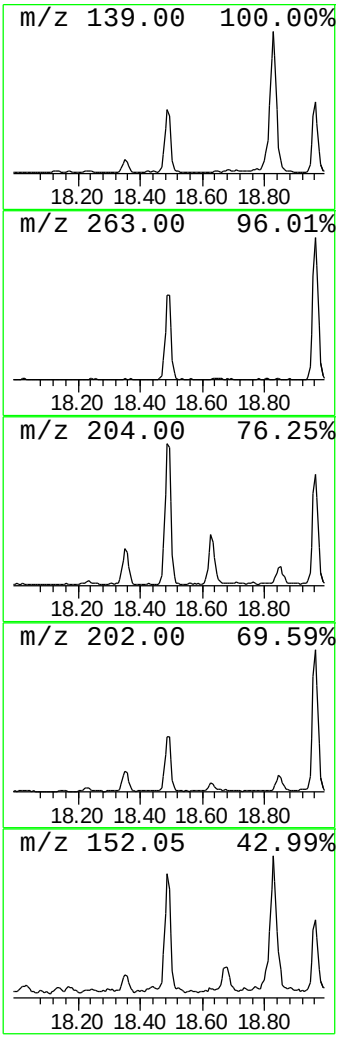
Peak Number 8 unknown-02 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	14.76 ng/ul	2095900	Phenanthrene-d10	17.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzamide, 3-chloro-N-(3-fluoro-...	263	C14H11ClFNO	1000317-23-2	43
2	7-Chloro-9-nitro-1-aza-phenoxazine	263	C11H6ClN3O3	039522-52-6	35
3	Benzonitrile, 2-chloro-6-iodo-	263	C7H3ClIN	089642-53-5	35
4	4-Isothiazolecarboxylic acid, 3,...	263	C9H13NO2S3	037572-39-7	30
5	Cobalt, .eta.-5-[1-t-butyl-2-met...	263	C13H23BCoN	1000161-33-8	25





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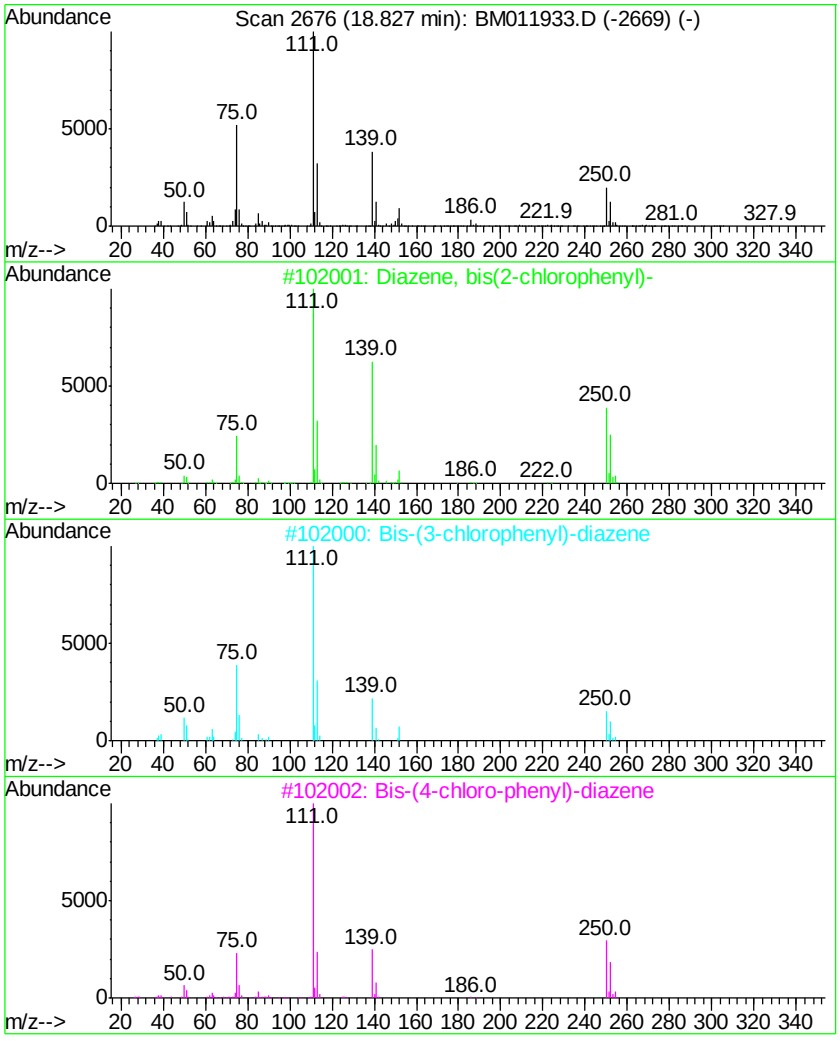
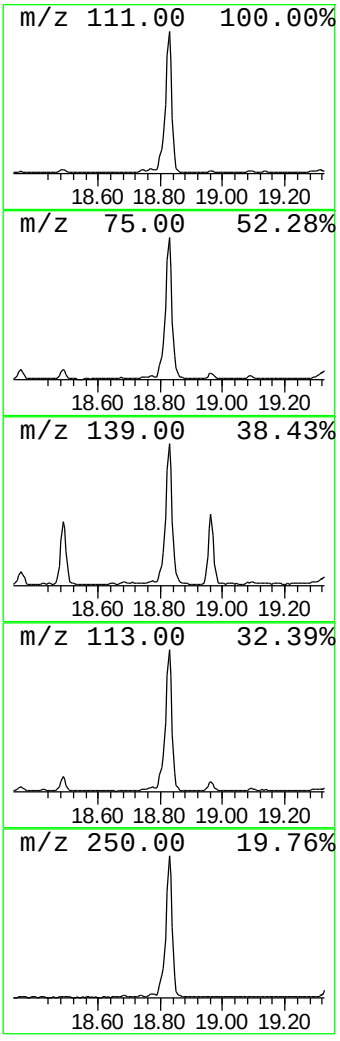
Peak Number 9 Diazene, bis(2-chlorophenyl)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	30.35 ng/ul	4307770	Phenanthrene-d10	17.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diazene, bis(2-chlorophenyl)-	250	C12H8Cl2N2	007334-33-0	96
2	Bis-(3-chlorophenyl)-diazene	250	C12H8Cl2N2	015426-14-9	90
3	Bis-(4-chloro-phenyl)-diazene	250	C12H8Cl2N2	1000192-28-4	86
4	Butane-1,4-dione, 1,4-bis(2-thie...	250	C12H10O2S2	013669-05-1	50
5	Triazene, 1-(p-fluorophenyl)-1-c...	288	C14H10ClFN4	1000274-66-3	50





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Quant Title : SVOA CALIBRATION

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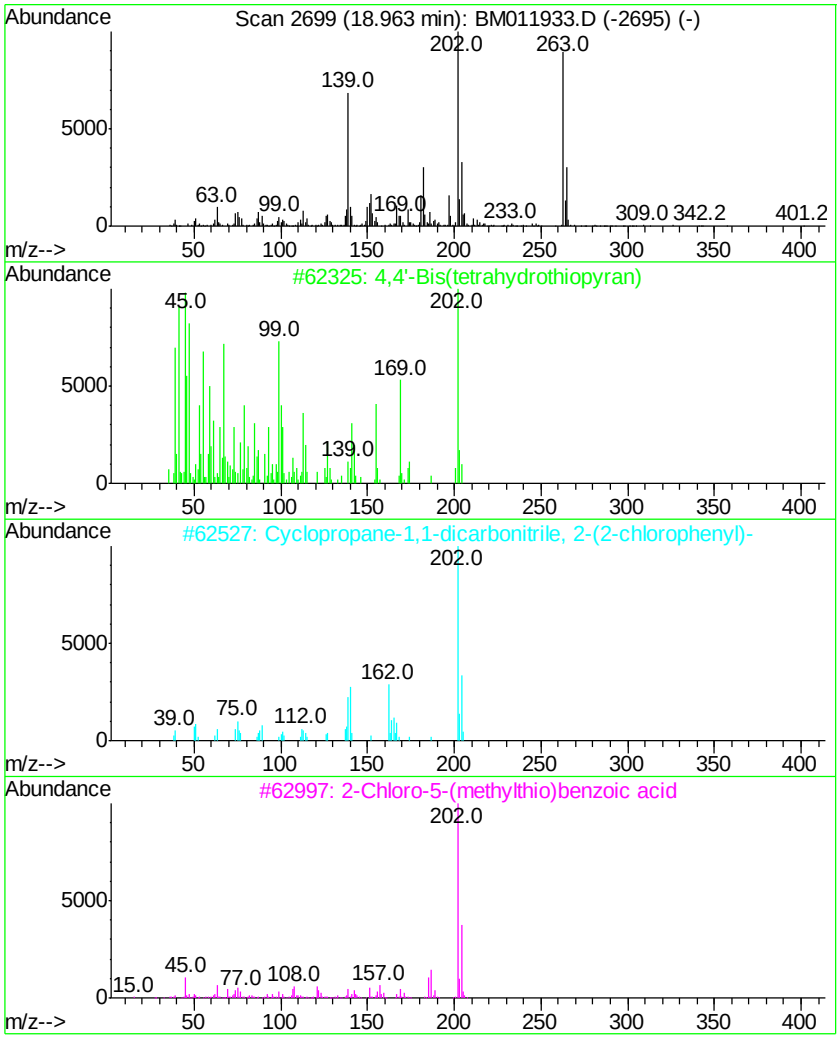
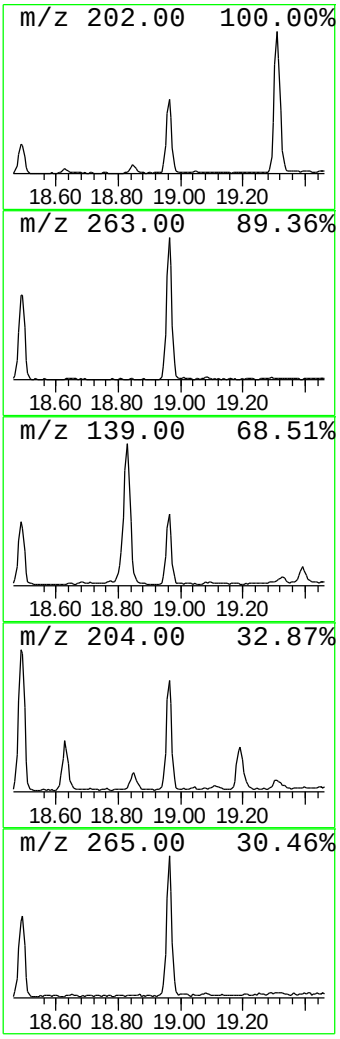
Peak Number 10 4,4'-Bis(tetrahydrothiopyran) Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.96	11.69 ng/ul	1659490	Phenanthrene-d10	17.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	90
2	Cyclopropane-1,1-dicarbonitrile,...	202	C11H7ClN2	098235-21-3	46
3	2-Chloro-5-(methylthio)benzoic acid	202	C8H7ClO2S	051546-12-4	27
4	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	27
5	1,3,5-Triazine, 2-(2-furfuryloxy...	263	C12H17N5O2	137484-87-8	25





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Instrument : BNA_M
ClientSampleId : B-40(0-1)-092617

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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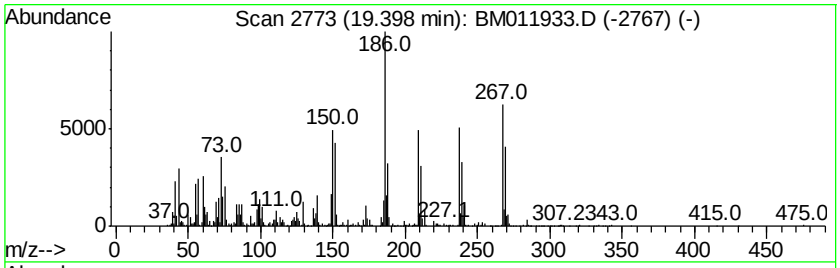
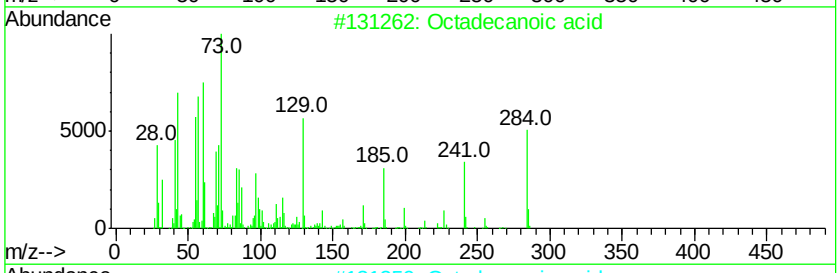
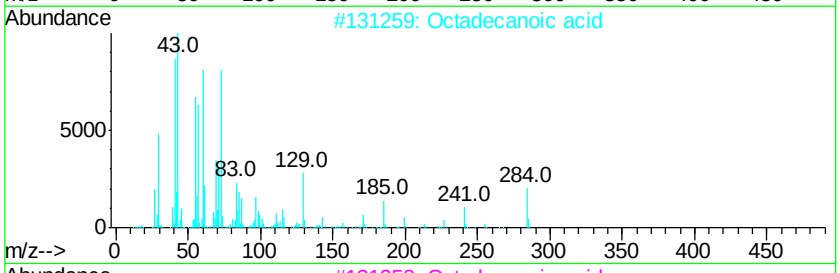
Peak Number 11 Octadecanoic acid Concentration Rank 4

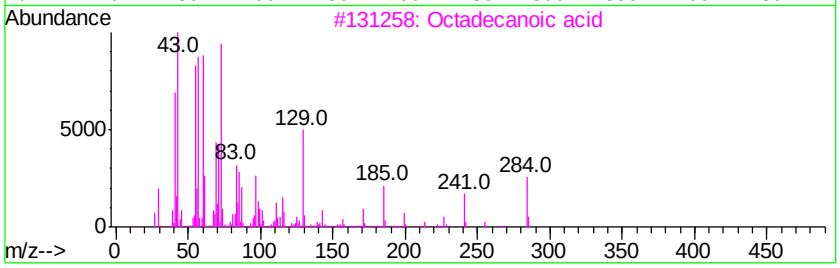
R.T.	EstConc	Area	Relative to ISTD	R.T.
19.40	20.79 ng/ul	3871910	Chrysene-d12	21.43

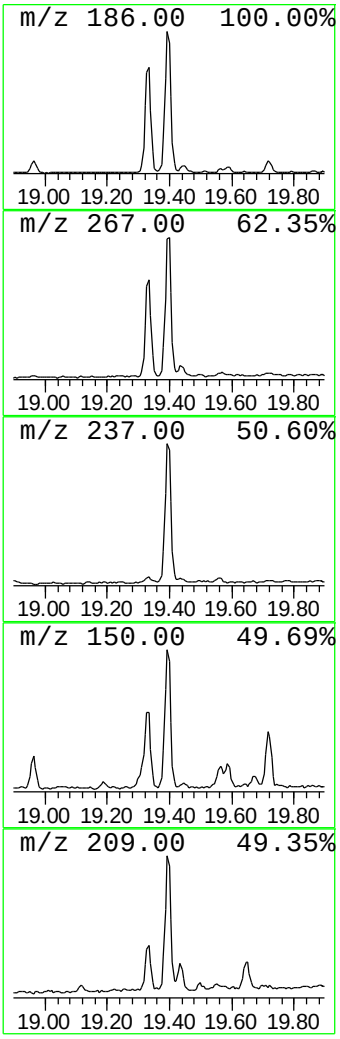
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	93
2	Octadecanoic acid	284	C18H36O2	000057-11-4	93
3	Octadecanoic acid	284	C18H36O2	000057-11-4	92
4	Octadecanoic acid	284	C18H36O2	000057-11-4	78
5	Octadecanoic acid	284	C18H36O2	000057-11-4	74











Data Path : Z:\HPCHEM1\BNA M\DATA\BM100517\
Data File : BM011933.D
Acq On : 05 Oct 2017 20:08
Operator : SJ/JU
Sample : I5449-02 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-40(0-1)-092617

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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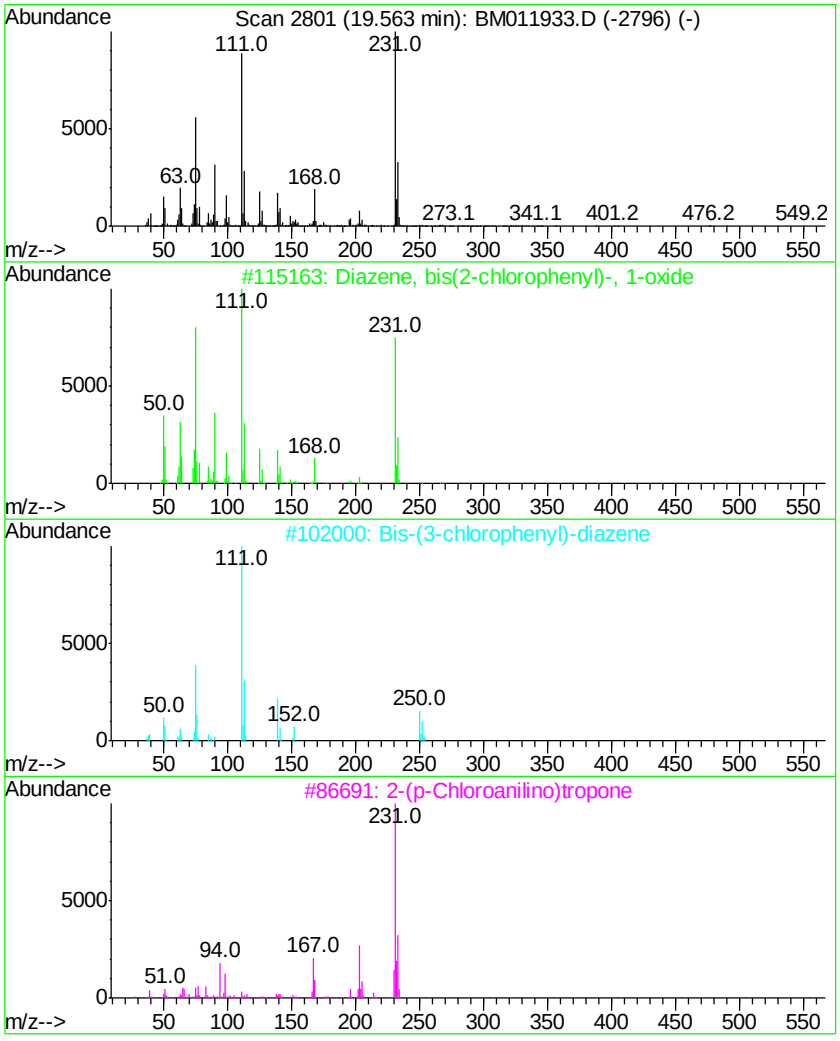
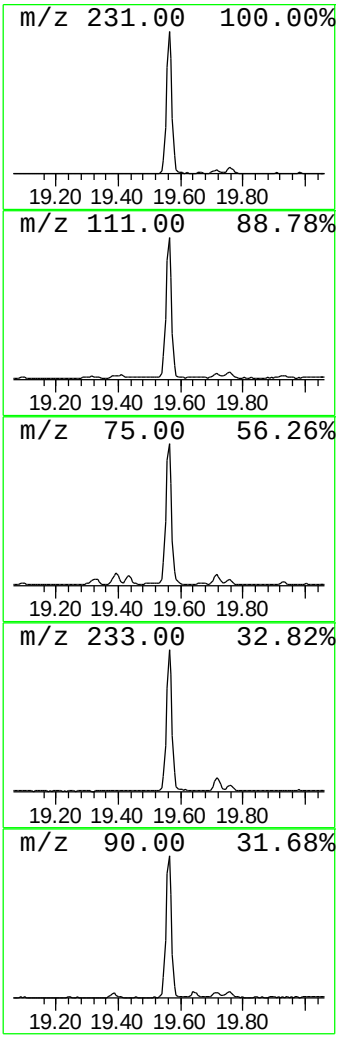
Peak Number 12 Diazene, bis(2-chlorophenyl... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.56	37.30 ng/ul	6947430	Chrysene-d12	21.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diazene, bis(2-chlorophenyl)-, 1...	266	C12H8Cl2N2O	013556-84-8	91
2	Bis-(3-chlorophenyl)-diazene	250	C12H8Cl2N2	015426-14-9	38
3	2-(p-Chloroanilino)tropone	231	C13H10ClNO	100398-33-2	27
4	Propanamide, 2-chloro-N-[2-(meth...	231	C8H10ClN3OS	1000319-27-7	27
5	Phenanthridine 6-chloro-2-methyl...	231	C14H14ClN	035417-77-7	27





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM100517\
Data File : BM011933.D
Acq On : 05 Oct 2017 20:08
Operator : SJ/JU
Sample : I5449-02 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-40(0-1)-092617

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 1-chloro...	11.29	6.9	ng/ul	770956	2	10.68	2233230	20.0
4-Chloro-3-nitrop...	16.00	40.6	ng/ul	5763050	4	17.26	2839070	20.0
Benzaldehyde, 3-p...	16.43	17.6	ng/ul	2492300	4	17.26	2839070	20.0
m-Phenoxybenzoic ...	17.77	10.5	ng/ul	1493460	4	17.26	2839070	20.0
n-Hexadecanoic acid	18.13	13.7	ng/ul	1943640	4	17.26	2839070	20.0
unknown-01	18.35	6.4	ng/ul	910475	4	17.26	2839070	20.0
unknown-02	18.49	14.8	ng/ul	2095900	4	17.26	2839070	20.0
Diazene, bis(2-ch...	18.83	30.4	ng/ul	4307770	4	17.26	2839070	20.0
4,4'-Bis(tetrahyd...	18.96	11.7	ng/ul	1659490	4	17.26	2839070	20.0
Octadecanoic acid	19.40	20.8	ng/ul	3871910	5	21.43	3724750	20.0
Diazene, bis(2-ch...	19.56	37.3	ng/ul	6947430	5	21.43	3724750	20.0