LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012132.D
Acq On : 13 Oct 2017 12:06
Operator : SJ/JU
Sample : I5568-07
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(1-3)-092917

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-BM101217.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	3.775	109	117	124	rBV	144785	220696	1.09%	0.109%
2	5.463	398	404	417	rVB	234600	509741	2.53%	0.251%
3	5.834	460	467	474	rVB2	126399	234866	1.16%	0.115%
4	7.016	663	668	680	rVB	506160	1027776	5.09%	0.505%
5	7.169	687	694	700	rBV	385252	645064	3.20%	0.317%
6	7.375	723	729	736	rBV	557318	906831	4.49%	0.446%
7	7.440	736	740	744	rVV	145631	215657	1.07%	0.106%
8	7.481	744	747	753	rVB	140875	205765	1.02%	0.101%
9	7.846	804	809	815	rBV	605206	924026	4.58%	0.454%
10	8.104	846	853	862	rVB	1731720	2965209	14.70%	1.458%
11	8.563	924	931	939	rBV	651836	1143002	5.66%	0.562%
12	8.675	945	950	965	rVB	62353	241101	1.19%	0.119%
13	9.016	1001	1008	1010	rBV	523556	910280	4.51%	0.448%
14	9.157	1025	1032	1047	rVB	188361	466912	2.31%	0.230%
15	9.316	1054	1059	1066	rVB	233188	380900	1.89%	0.187%
16	9.734	1124	1130	1138	rVB	471760	879951	4.36%	0.433%
17	10.281	1217	1223	1230	rBV	753711	1367787	6.78%	0.673%
18	10.351	1230	1235	1245	rVB	424355	769068	3.81%	0.378%
19	10.651	1280	1286	1292	rBV	906099	1510676	7.49%	0.743%
20	10.792	1302	1310	1316	rBV	471460	928509	4.60%	0.457%
21	13.069	1691	1697	1702	rBV2	167437	287626	1.43%	0.141%
22	13.204	1715	1720	1725	rVB	185259	289687	1.44%	0.142%
23	13.375	1744	1749	1756	rBV3	139528	339880	1.68%	0.167%
24	13.898	1830	1838	1843	rBV	1389995	2083027	10.32%	1.024%
25	13.951	1843	1847	1852	rVB	630841	909686	4.51%	0.447%
26	14.192	1882	1888	1896	rBV	1590404	2455025	12.17%	1.207%
27	14.369	1913	1918	1926	rVB	176617	286468	1.42%	0.141%
28	14.498	1935	1940	1946	rVB2	1435363	2111259	10.46%	1.038%
29	14.563	1946	1951	1959	rVB	461170	703363	3.49%	0.346%
30	14.733	1973	1980	1988	rBV2	319887	709586	3.52%	0.349%
31	14.810	1988	1993	1999	rVB5	189016	365050	1.81%	0.180%
32	14.898	2004	2008	2017	rVB	254423	491908	2.44%	0.242%
33	15.322	2075	2080	2087	rVB2	354553	501750	2.49%	0.247%
34	15.492	2103	2109	2114	rBV	2244369	3236990	16.04%	1.592%

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Instrument : BNA_M
ClientSampleId : B-29(1-3)-092917

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
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Title : SVOA CALIBRATION

35	15.551	2114	2119	2123	rVB	409762	594403	2.95%	0.292%
36	15.669	2130	2139	2144	rBV2	2171715	3513385	17.41%	1.728%
37	15.880	2171	2175	2180	rVB2	232985	328920	1.63%	0.162%
38	15.992	2189	2194	2201	rBV2	108168	258528	1.28%	0.127%
39	16.186	2223	2227	2234	rBV	245735	471968	2.34%	0.232%
40	16.974	2357	2361	2363	rBV	258274	355142	1.76%	0.175%
41	17.069	2373	2377	2382	rVB	243579	351717	1.74%	0.173%
42	17.251	2402	2408	2411	rBV	1938932	2826080	14.01%	1.390%
43	17.292	2411	2415	2420	rVV	5203280	6972061	34.55%	3.428%
44	17.351	2420	2425	2428	rVV	2290809	3394733	16.82%	1.669%
45	17.380	2428	2430	2436	rVB	1173746	1508547	7.48%	0.742%
46	17.657	2474	2477	2483	rVB	272569	381481	1.89%	0.188%
47	17.845	2505	2509	2516	rVB	471338	688463	3.41%	0.339%
48	18.121	2552	2556	2561	rBV	2256494	3347330	16.59%	1.646%
49	18.174	2561	2565	2574	rVB2	868563	1511377	7.49%	0.743%
50	18.251	2575	2578	2584	rVB	330395	459175	2.28%	0.226%
51	18.321	2585	2590	2594	rBV3	1080648	1798630	8.91%	0.884%
52	18.621	2637	2641	2645	rBV	506920	652748	3.23%	0.321%
53	18.851	2677	2680	2687	rVB2	511291	830643	4.12%	0.408%
54	18.921	2689	2692	2695	rVB	218165	243279	1.21%	0.120%
55	19.039	2709	2712	2717	rBV	354691	499746	2.48%	0.246%
56	19.315	2751	2759	2763	rBV	14995349	20177917	100.00%	9.922%
57	19.404	2770	2774	2785	rBV2	2328195	3307941	16.39%	1.627%
58	19.645	2810	2815	2817	rBV2	5826210	8328151	41.27%	4.095%
59	19.680	2817	2821	2828	rVV	12271065	17202207	85.25%	8.459%
60	19.745	2828	2832	2837	rVB2	730329	1137976	5.64%	0.560%
61	19.851	2847	2850	2855	rVB	841235	1118978	5.55%	0.550%
62	19.998	2870	2875	2881	rBV2	726739	1788094	8.86%	0.879%
63	20.168	2900	2904	2909	rVB	3116399	4092800	20.28%	2.013%
64	20.268	2917	2921	2924	rBV	2909466	3599018	17.84%	1.770%
65	20.468	2952	2955	2958	rBV	677664	827234	4.10%	0.407%
66	20.868	3020	3023	3028	rBV2	1697218	2243347	11.12%	1.103%
67	21.080	3056	3059	3062	rBV2	1829273	2128104	10.55%	1.046%
68	21.115	3062	3065	3069	rVB	1882854	2229699	11.05%	1.096%
69	21.162	3070	3073	3080	rBV4	1631491	2461402	12.20%	1.210%
70	21.421	3113	3117	3122	rBV3	11942414	19955906	98.90%	9.813%
71	21.474	3123	3126	3134	rVB	10568755	13178811	65.31%	6.481%

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72	21.592	3143	3146	3153	rVB	1985461	2321623	11.51%	1.142%
73	23.074	3392	3398	3403	rBV	7586661	17460291	86.53%	8.586%
74	23.574	3479	3483	3489	rBV	3398433	5922232	29.35%	2.912%
75	23.680	3497	3501	3508	rVB	6610291	11661862	57.80%	5.735%

Sum of corrected areas: 203357071

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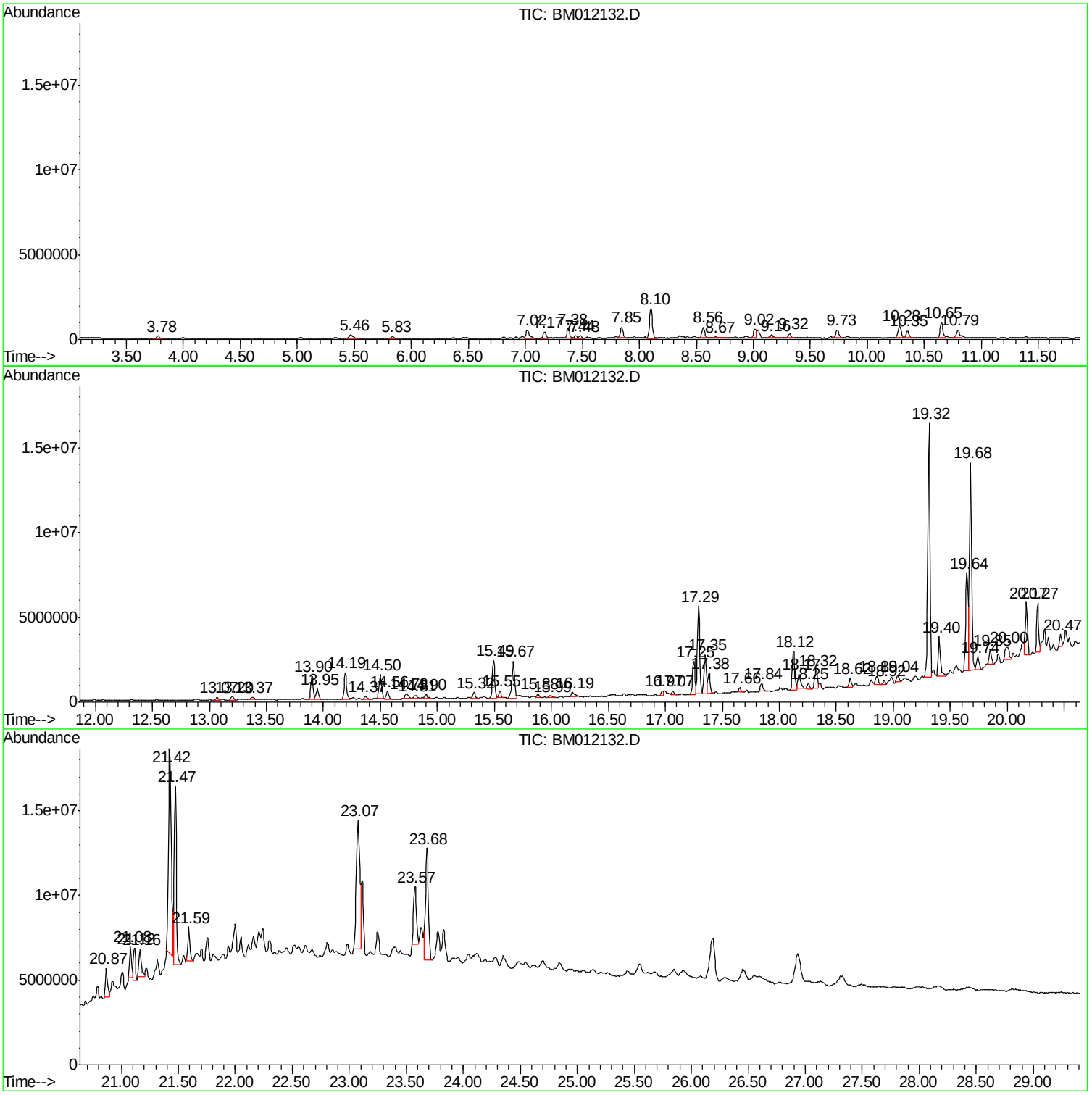
Instrument :
BNA_M
ClientSampleId :
B-29(1-3)-092917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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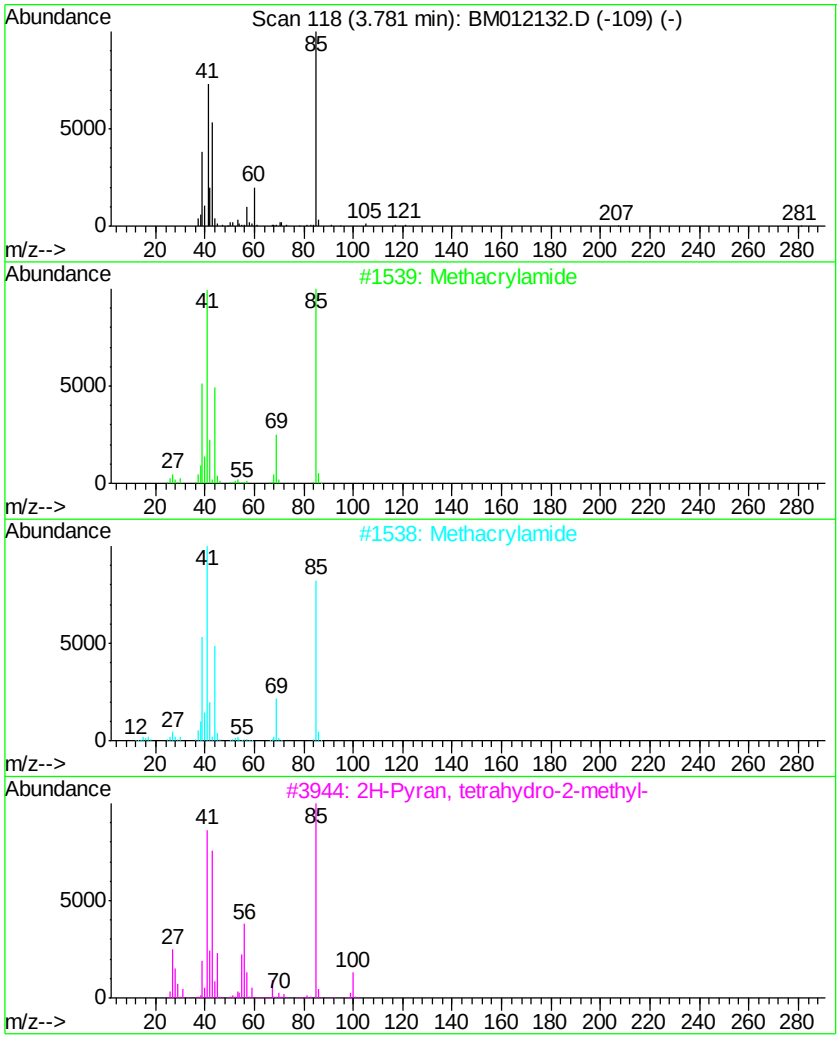
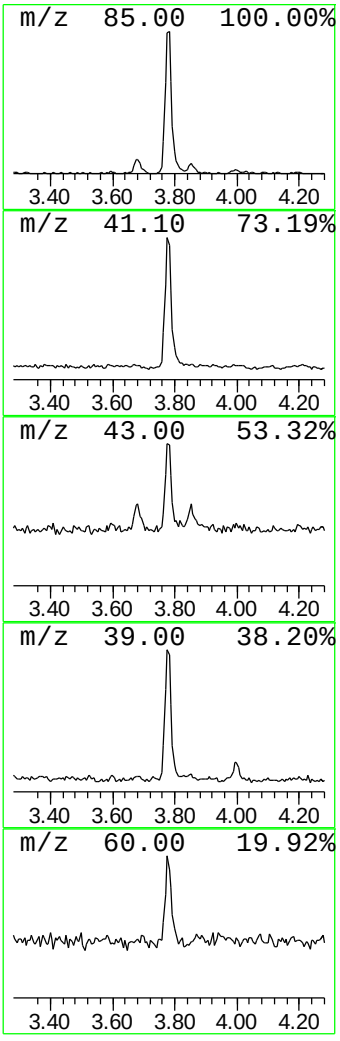
****

Peak Number 1 Methacrylamide Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.78	4.78 ng/ul	220696	1,4-Dichlorobenzene-d4	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methacrylamide	85	C4H7NO	000079-39-0	72
2	Methacrylamide	85	C4H7NO	000079-39-0	42
3	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	40
4	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	33
5	Thiazole	85	C3H3NS	000288-47-1	25





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Sample : I5568-07
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Instrument :
BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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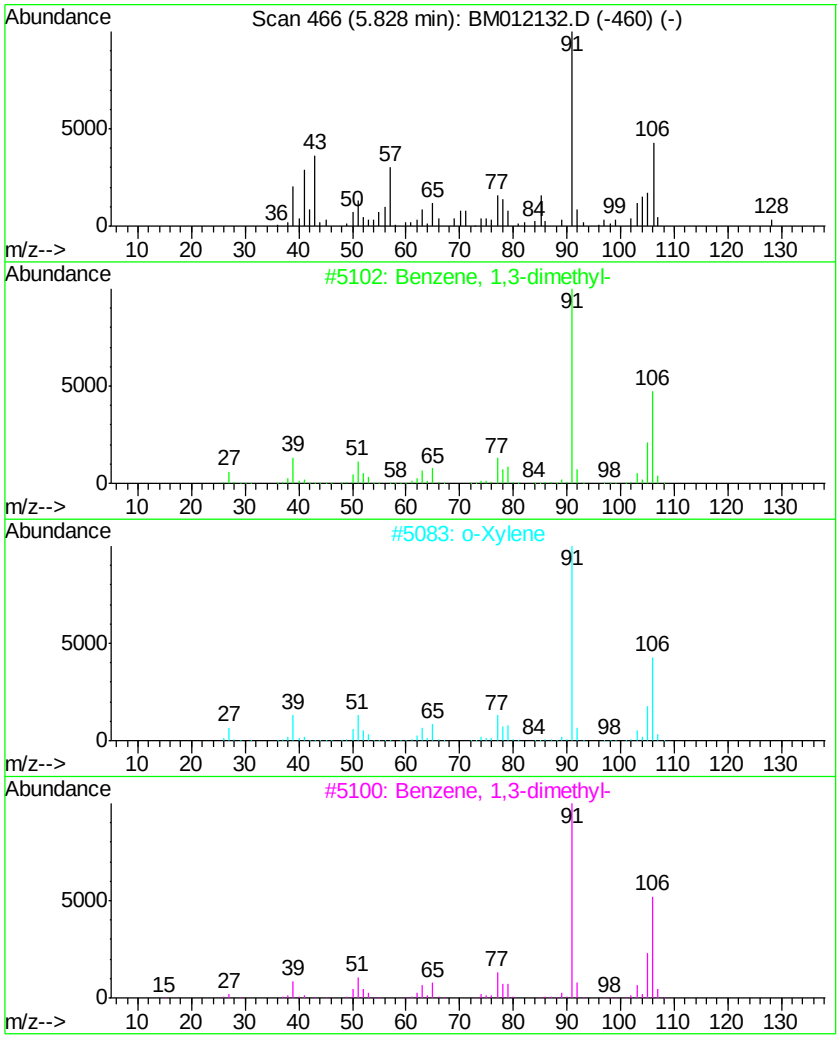
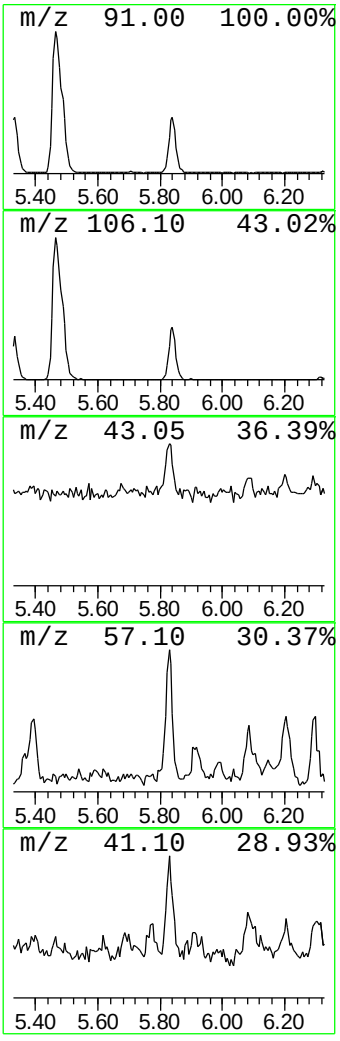
****

Peak Number 3 Benzene, 1,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.83	5.08 ng/ul	234866	1,4-Dichlorobenzene-d4	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	94
2	o-Xylene	106	C8H10	000095-47-6	93
3	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	93
4	p-Xylene	106	C8H10	000106-42-3	93
5	p-Xylene	106	C8H10	000106-42-3	93





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012132.D
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Operator : SJ/JU
Sample : I5568-07
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-29(1-3)-092917

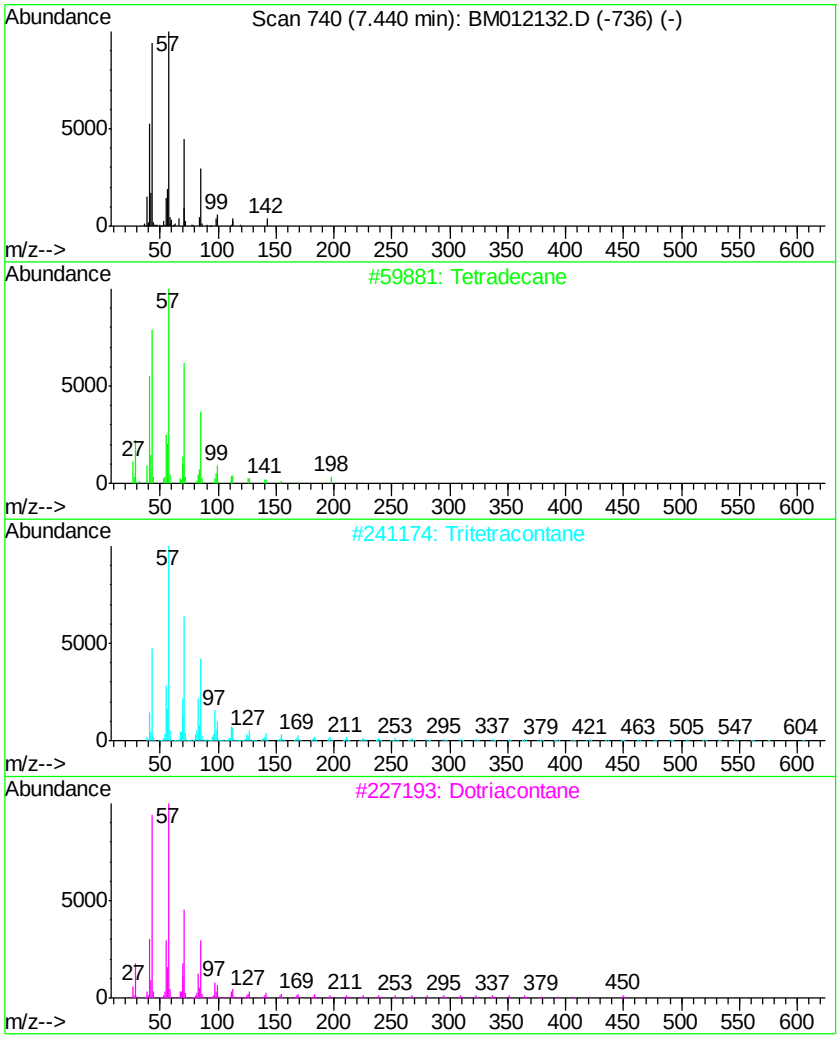
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

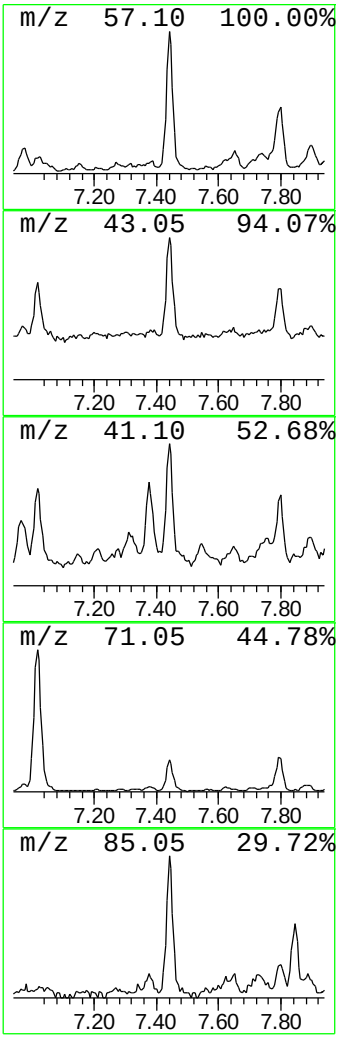
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.44	4.67 ng/ul	215657	1,4-Dichlorobenzene-d4	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	83
2	Tritetracontane	605	C43H88	007098-21-7	78
3	Dotriacontane	451	C32H66	000544-85-4	78
4	Decane	142	C10H22	000124-18-5	76
5	Hexadecane	226	C16H34	000544-76-3	72





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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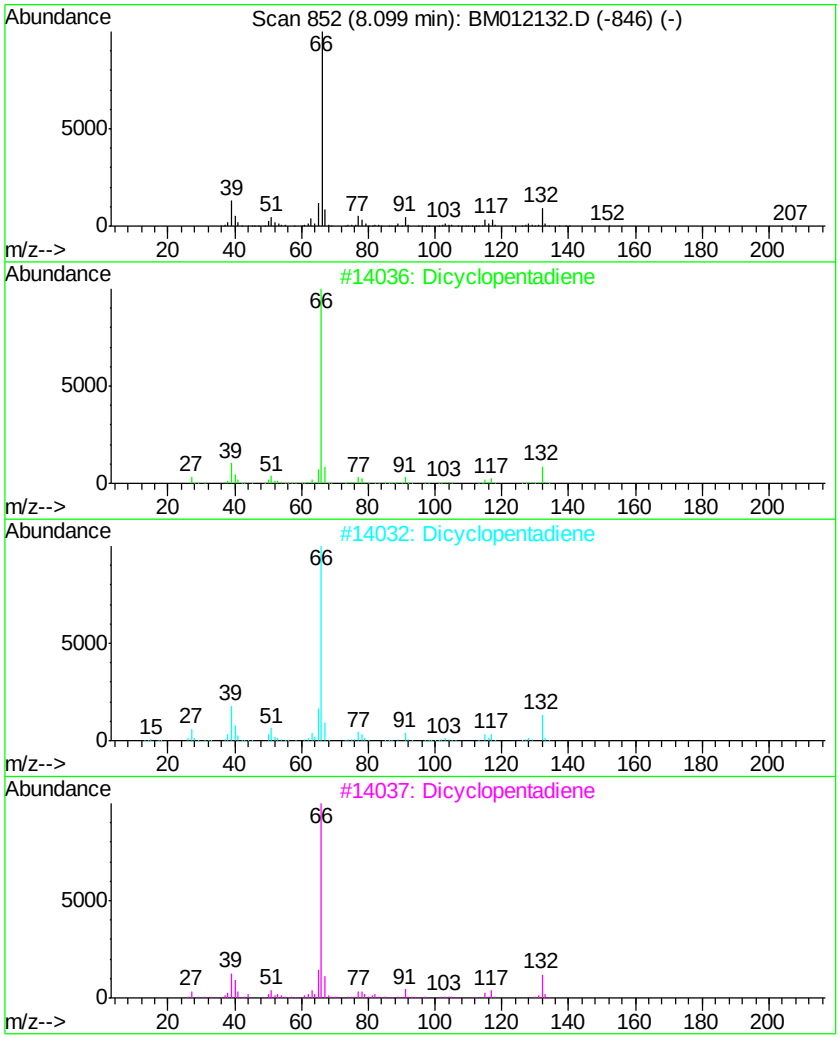
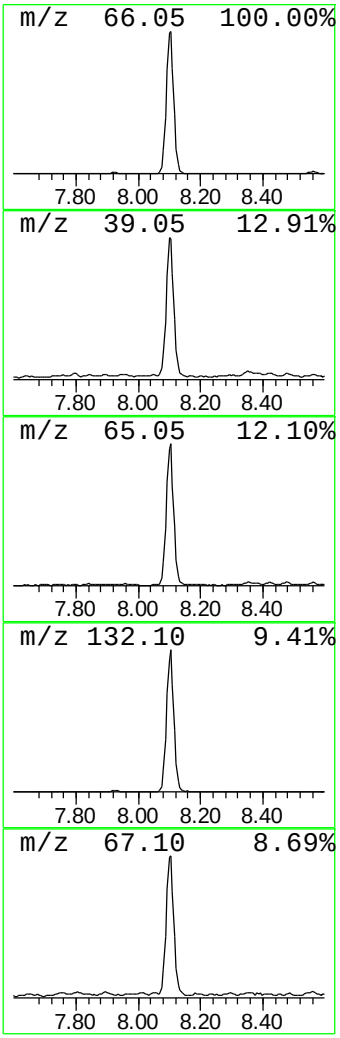
Peak Number 6 Dicyclopentadiene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.10	64.18 ng/ul	2965210	1,4-Dichlorobenzene-d4	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dicyclopentadiene	132	C10H12	000077-73-6	91
2	Dicyclopentadiene	132	C10H12	000077-73-6	91
3	Dicyclopentadiene	132	C10H12	000077-73-6	91
4	Dicyclopentadiene	132	C10H12	000077-73-6	91
5	Cyclobuta[1,2:3,4]dicyclopentene...	132	C10H12	105226-58-2	90





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Instrument :
BNA_M
ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

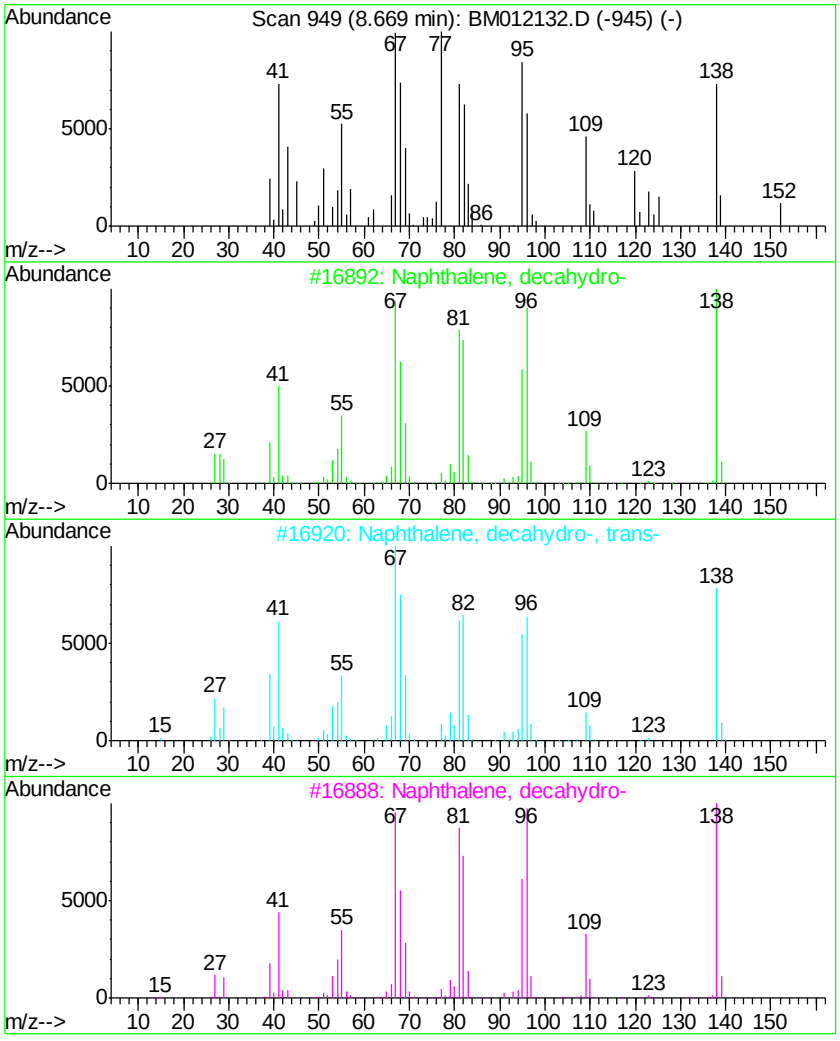
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

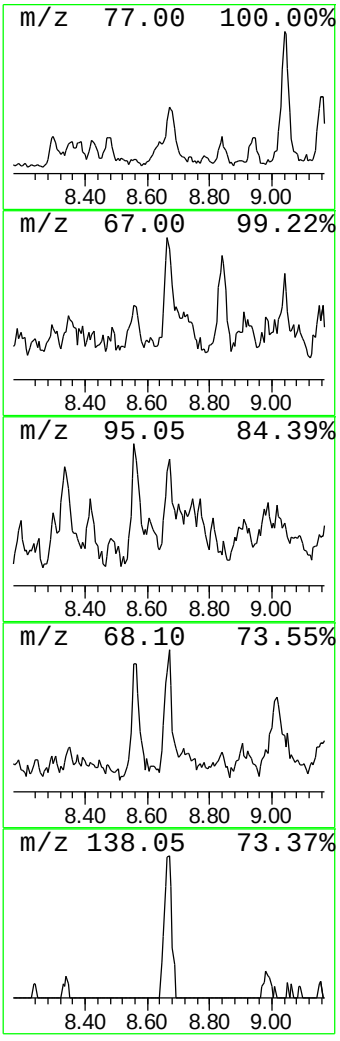
****

Peak Number 7 Naphthalene, decahydro- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.67	5.22 ng/ul	241101	1,4-Dichlorobenzene-d4	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-	138	C10H18	000091-17-8	50
2	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	50
3	Naphthalene, decahydro-	138	C10H18	000091-17-8	50
4	Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	005948-04-9	46
5	9-Borabicyclo[3.3.1]nonane, 9-hy...	138	C8H15BO	063366-65-4	45





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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

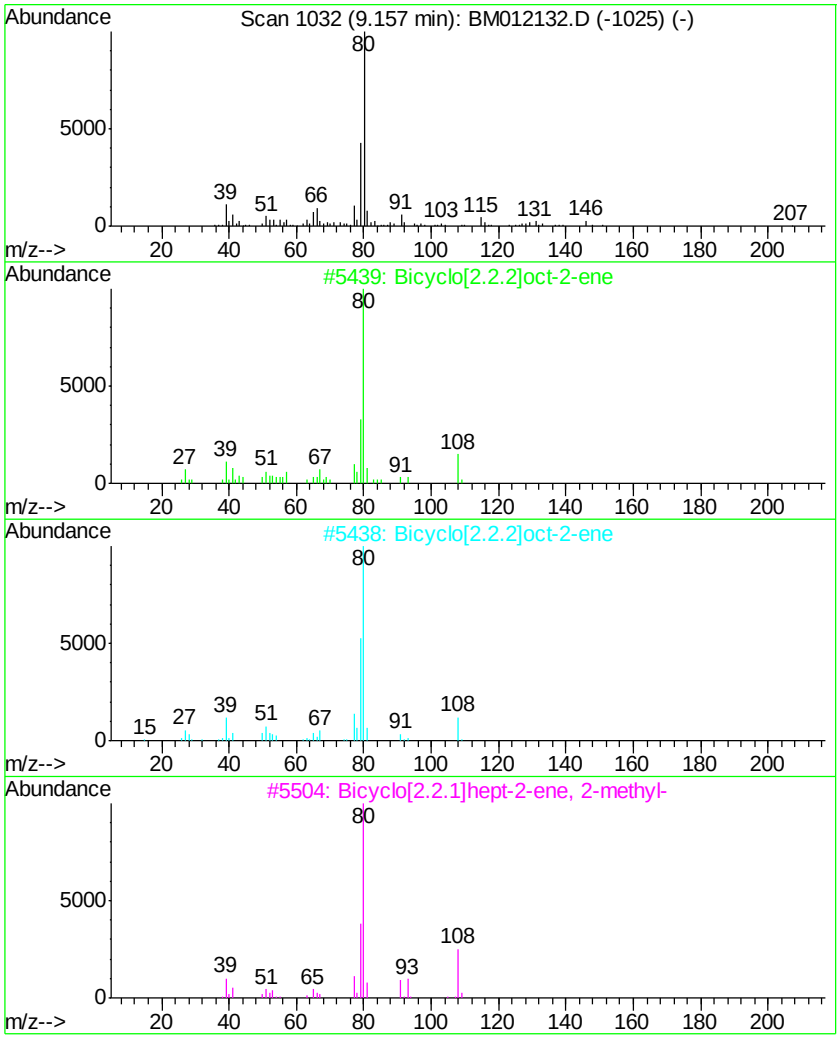
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

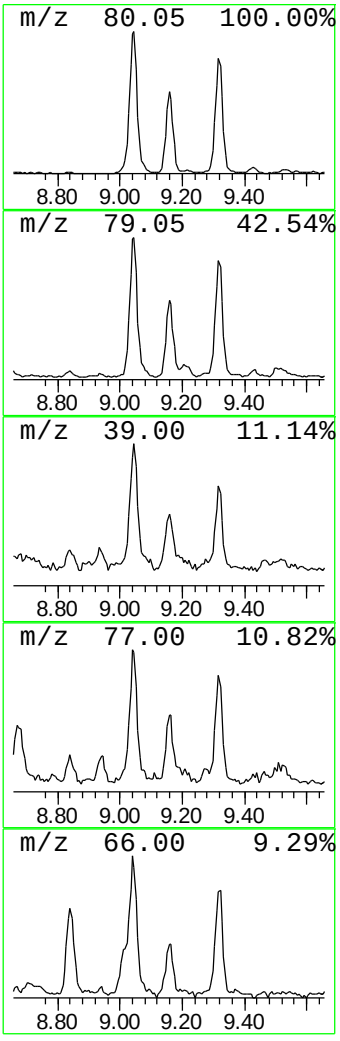
****

Peak Number 8 Bicyclo[2.2.2]oct-2-ene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.16	10.11 ng/ul	466912	1,4-Dichlorobenzene-d4	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.2]oct-2-ene	108	C8H12	000931-64-6	83
2	Bicyclo[2.2.2]oct-2-ene	108	C8H12	000931-64-6	83
3	Bicyclo[2.2.1]hept-2-ene, 2-methyl-	108	C8H12	000694-92-8	83
4	3-Oxabicyclo[3.3.0]oct-6-en-2-on...	138	C8H10O2	1000155-62-3	78
5	Bicyclo[2.2.1]hept-2-ene, 2-methyl-	108	C8H12	000694-92-8	74





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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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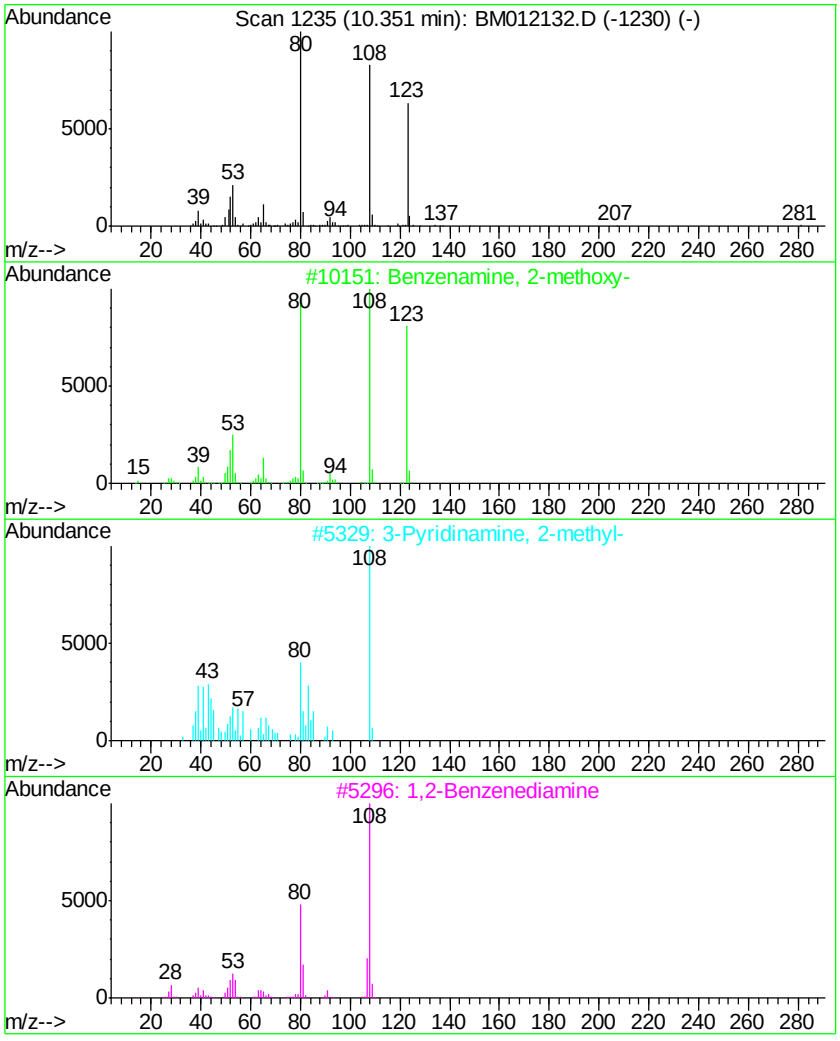
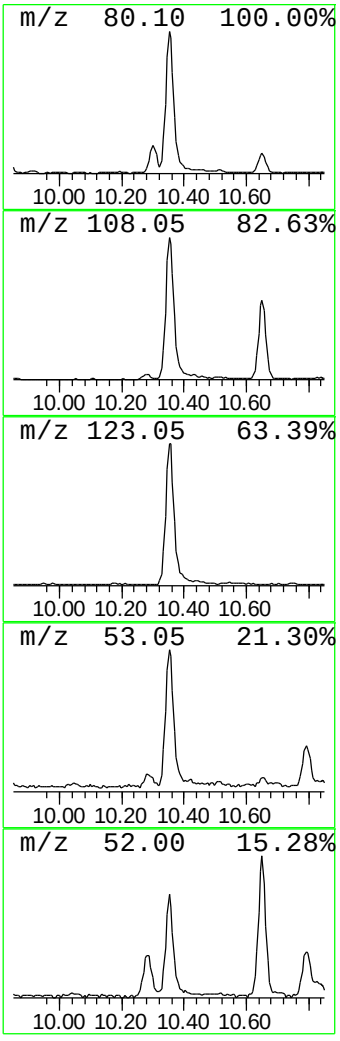
Peak Number 10 Benzenamine, 2-methoxy- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.35	10.18 ng/ul	769068	Naphthalene-d8	10.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 2-methoxy-	123	C7H9NO	000090-04-0	96
2	3-Pyridinamine, 2-methyl-	108	C6H8N2	003430-10-2	80
3	1,2-Benzenediamine	108	C6H8N2	000095-54-5	80
4	1,2-Benzenediamine	108	C6H8N2	000095-54-5	78
5	1,3-Benzenediamine	108	C6H8N2	000108-45-2	78





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Acq On : 13 Oct 2017 12:06
Operator : SJ/JU
Sample : I5568-07
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(1-3)-092917

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Quant Title : SVOA CALIBRATION

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

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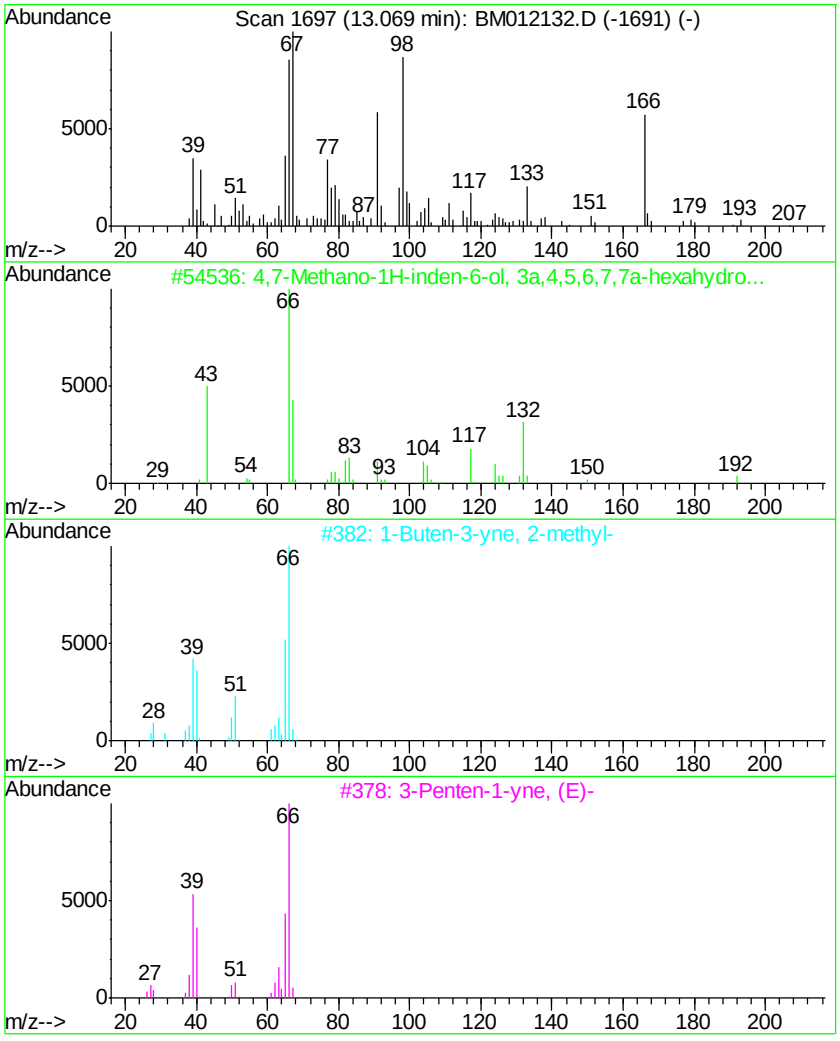
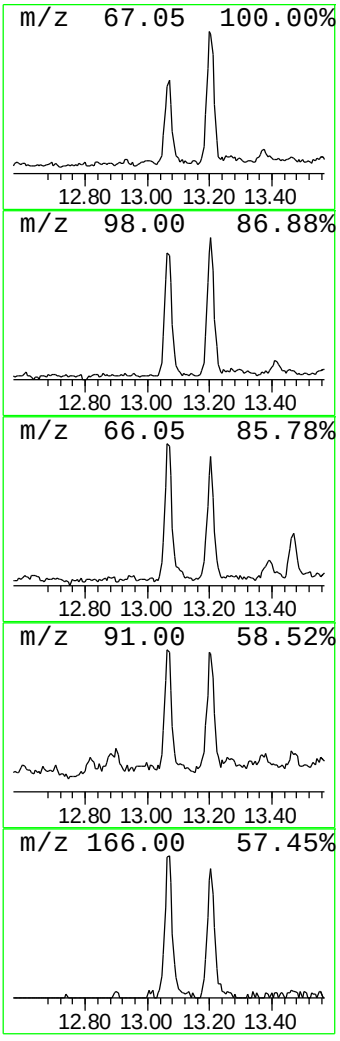
Peak Number 11 unknown-01 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	2.72 ng/ul	287626	Acenaphthene-d10	14.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,7-Methano-1H-inden-6-ol, 3a,4,...	192	C12H16O2	005413-60-5	47
2	1-Buten-3-yne, 2-methyl-	66	C5H6	000078-80-8	46
3	3-Penten-1-yne, (E)-	66	C5H6	002004-69-5	46
4	6-Fluorobicyclo[2.2.1]hept-2-yl ...	284	C14H17FO3S	1000259-17-7	43
5	3-Penten-1-yne, (Z)-	66	C5H6	001574-40-9	43





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Sample : I5568-07
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Instrument :
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ClientSampleId :
B-29(1-3)-092917

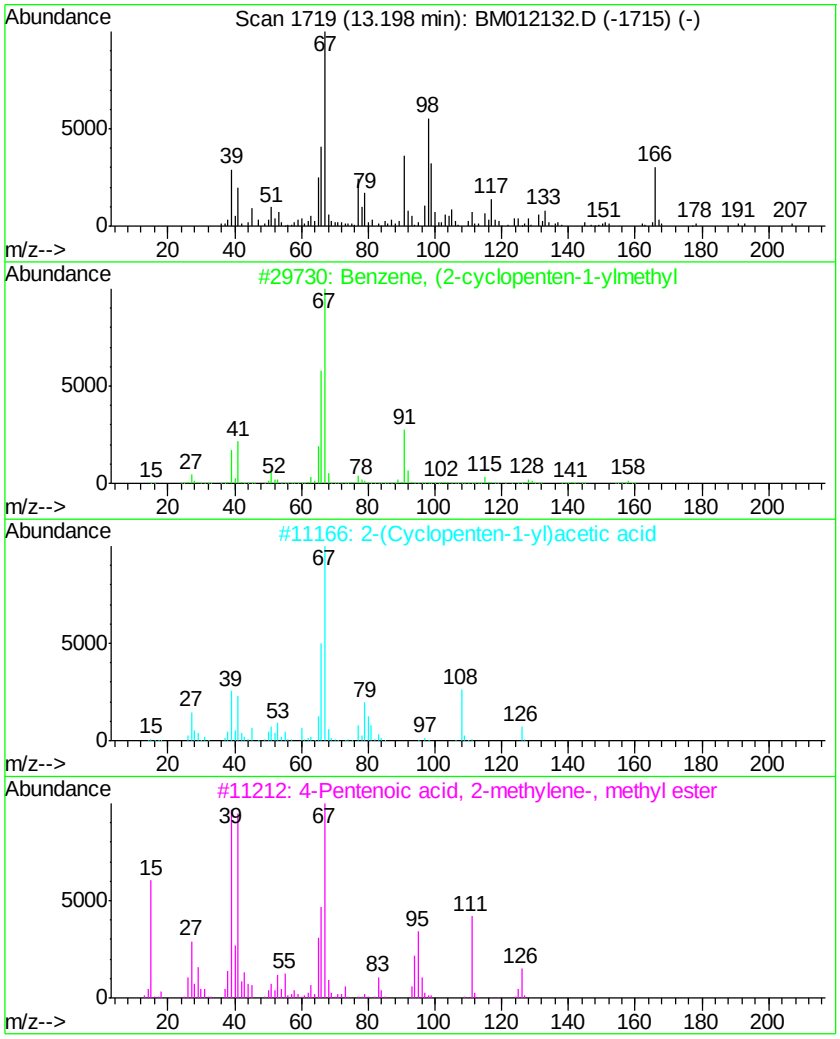
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

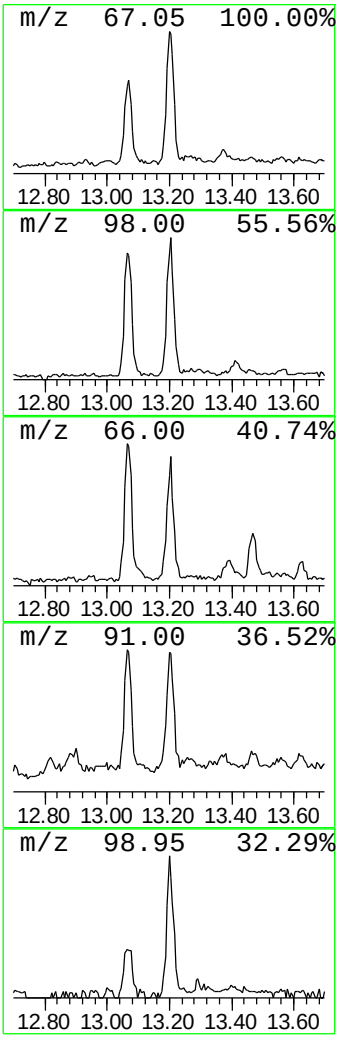
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Benzene, (2-cyclopenten-1-y... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.20	2.74 ng/ul	289687	Acenaphthene-d10	14.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-cyclopenten-1-ylmethyl	158	C12H14	055969-86-3	50
2	2-(Cyclopenten-1-yl)acetic acid	126	C7H10O2	013668-61-6	40
3	4-Pentenoic acid, 2-methylene-, ...	126	C7H10O2	051122-89-5	28
4	Tricyclo[4.2.1.1(2,5)]dec-3-en-9...	192	C12H16O2	119405-11-7	25
5	6-Thiabicyclo[3.1.0]hexane	100	C5H8S	000285-75-6	12





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Quant Title : SVOA CALIBRATION

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

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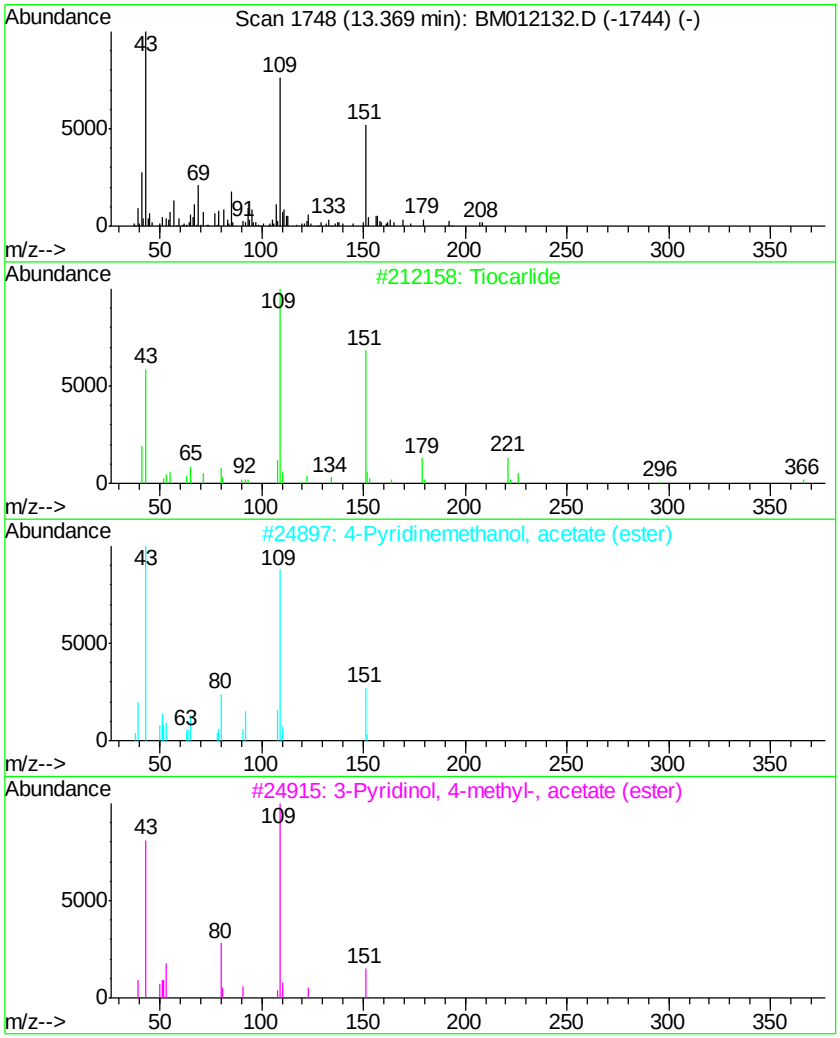
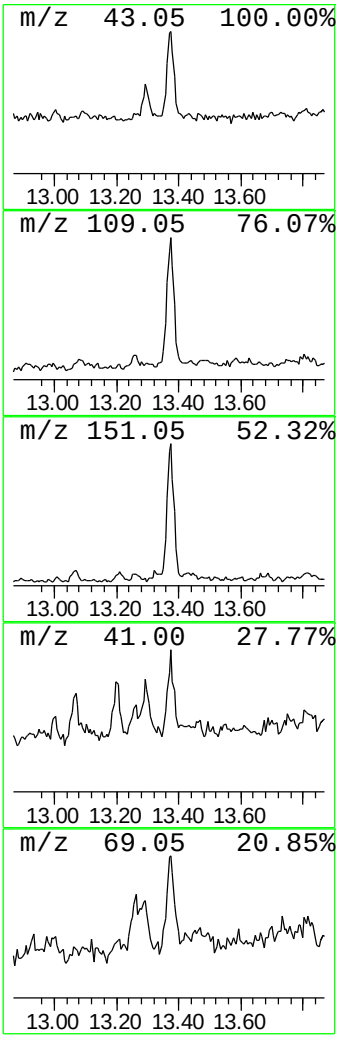
Peak Number 13 Tiocarlide Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	3.22 ng/ul	339880	Acenaphthene-d10	14.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tiocarlide	400	C23H32N2O2S	000910-86-1	50
2	4-Pyridinemethanol, acetate (ester)	151	C8H9NO2	001007-48-3	50
3	3-Pyridinol, 4-methyl-, acetate ...	151	C8H9NO2	001006-96-8	50
4	Metacetamol	151	C8H9NO2	000621-42-1	50
5	m-Isopropoxyaniline	151	C9H13NO	041406-00-2	50





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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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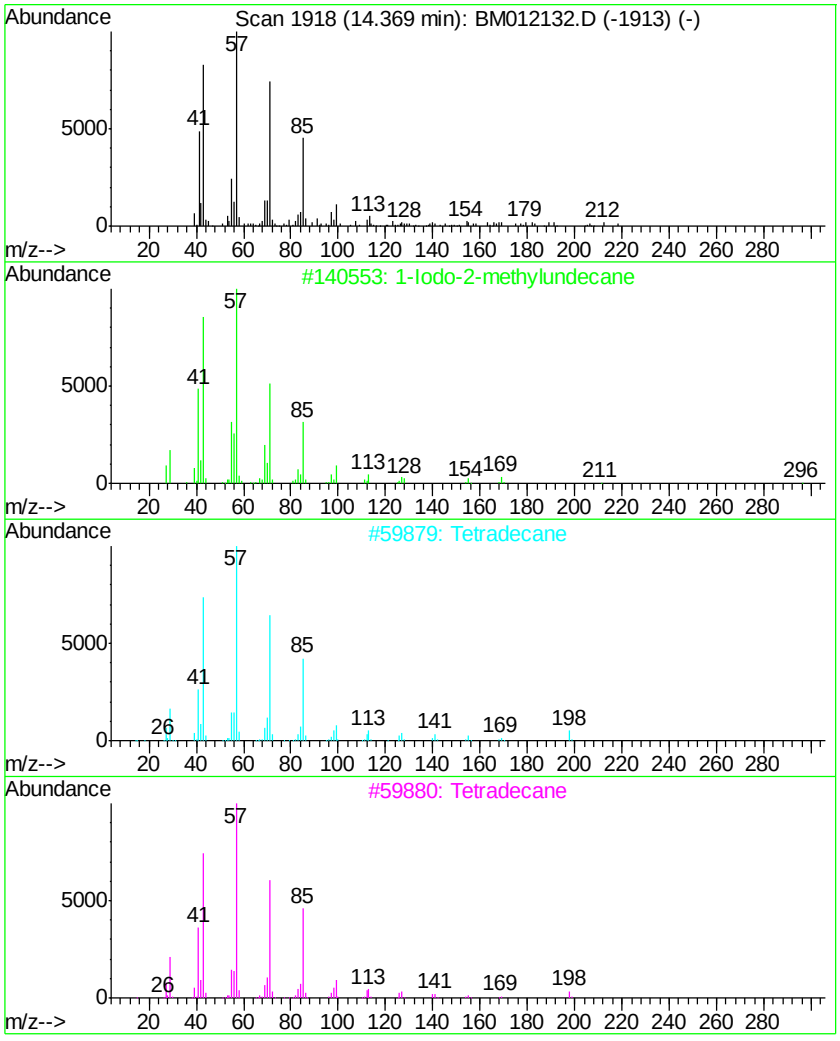
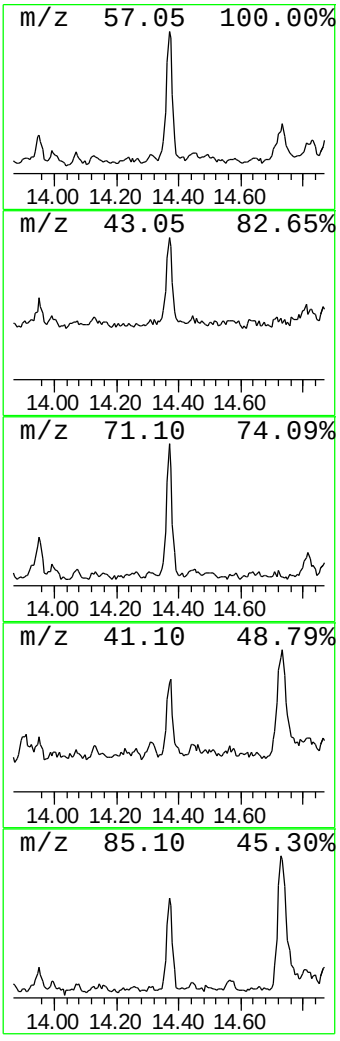
Peak Number 14 1-Iodo-2-methylundecane Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.37	2.71 ng/ul	286468	Acenaphthene-d10	14.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	90
2	Tetradecane	198	C14H30	000629-59-4	86
3	Tetradecane	198	C14H30	000629-59-4	86
4	Tridecane, 7-propyl-	226	C16H34	055045-09-5	86
5	Tetracosane	338	C24H50	000646-31-1	86





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Sample : I5568-07
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(1-3)-092917

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Quant Title : SVOA CALIBRATION

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

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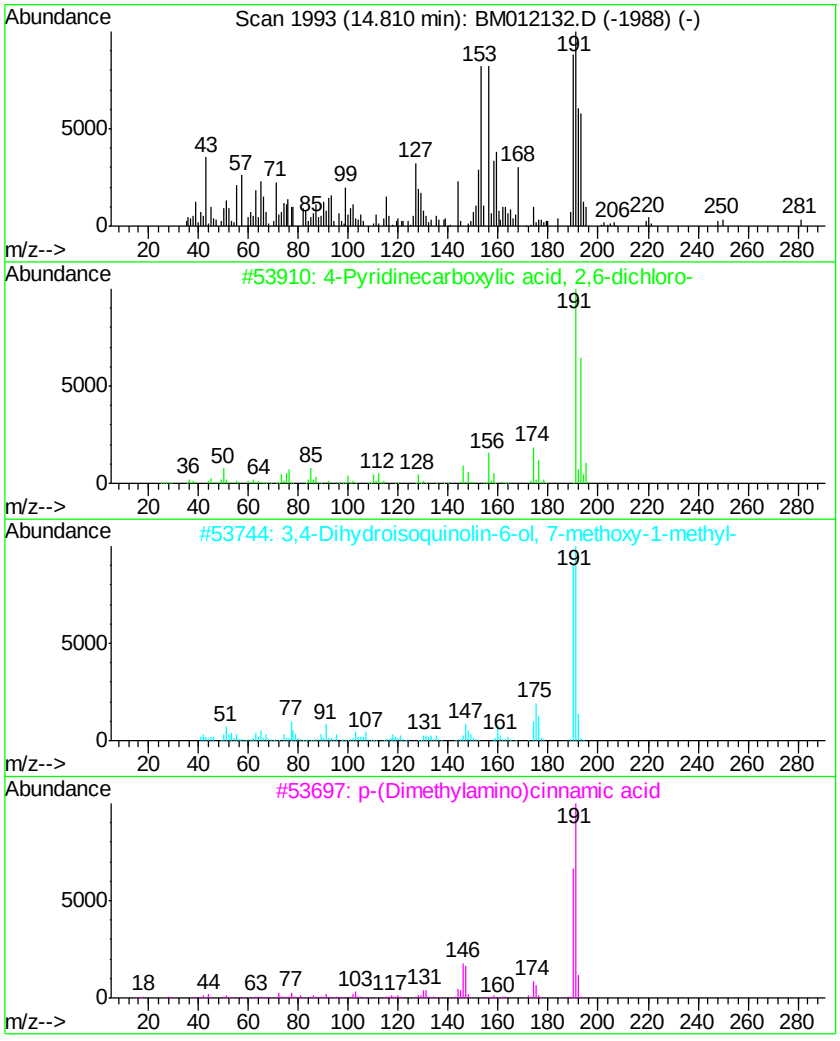
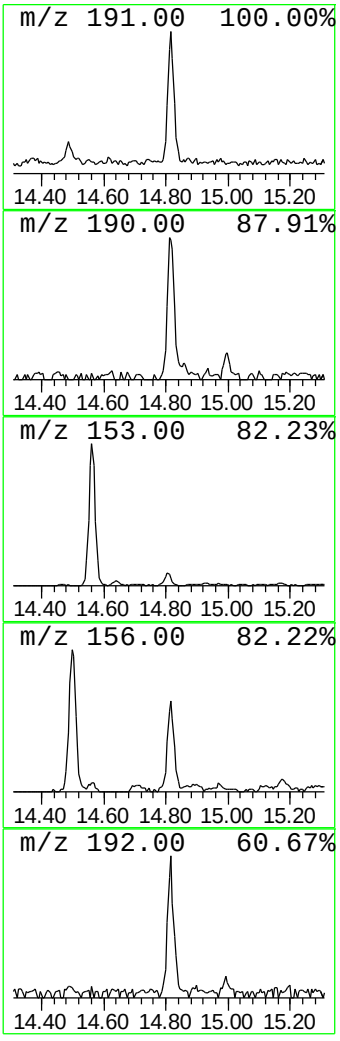
Peak Number 15 unknown-02 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	3.46 ng/ul	365050	Acenaphthene-d10	14.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Pyridinecarboxylic acid, 2,6-d...	191	C6H3Cl2NO2	005398-44-7	25
2	3,4-Dihydroisoquinolin-6-ol, 7-m...	191	C11H13NO2	004602-70-4	25
3	p-(Dimethylamino)cinnamic acid	191	C11H13NO2	001552-96-1	22
4	Isobutyric acid 3,5-dichloro-2,6...	261	C11H13Cl2NO2	040067-29-6	18
5	5-Chloro-2-hydroxy-2,4,6-cyclohe...	156	C7H5ClO2	003084-17-1	15





Library Search Compound Report

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Sample : I5568-07
Misc :
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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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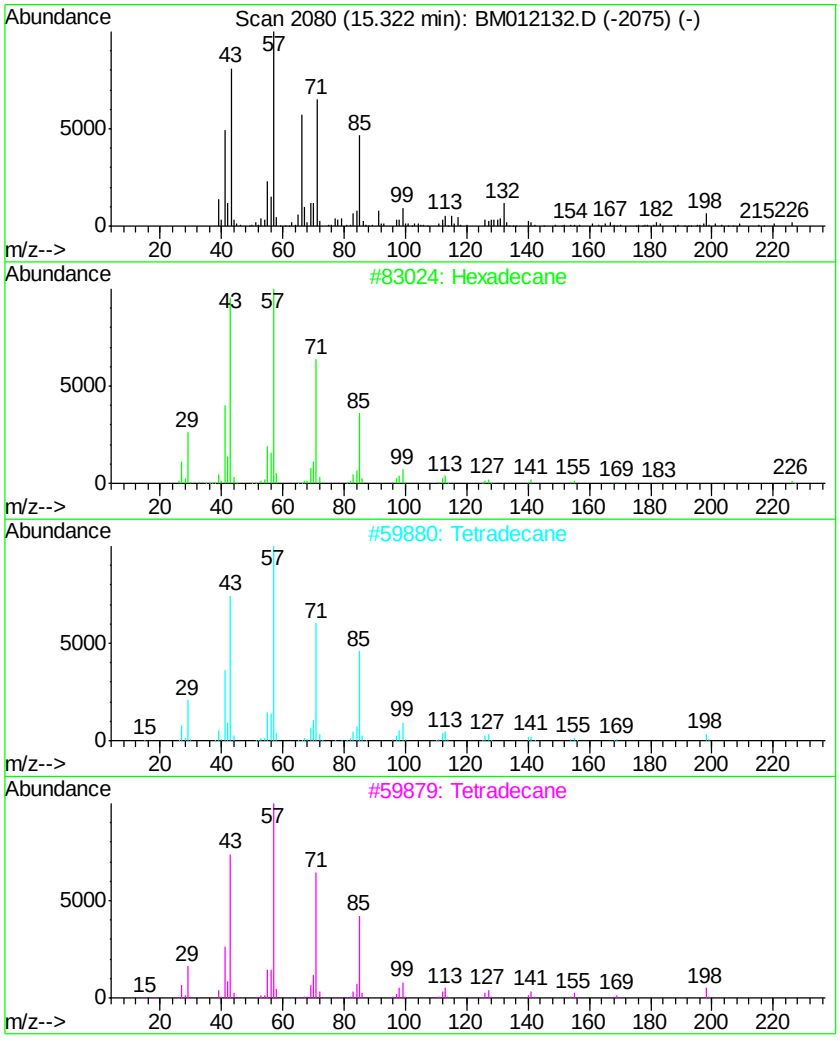
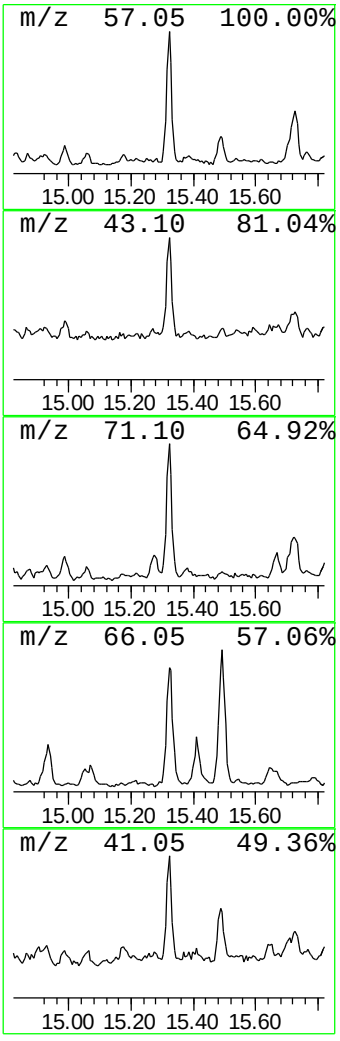
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	4.75 ng/ul	501750	Acenaphthene-d10	14.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	64
2	Tetradecane	198	C14H30	000629-59-4	52
3	Tetradecane	198	C14H30	000629-59-4	47
4	Tetradecane	198	C14H30	000629-59-4	38
5	Hexadecane	226	C16H34	000544-76-3	38





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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

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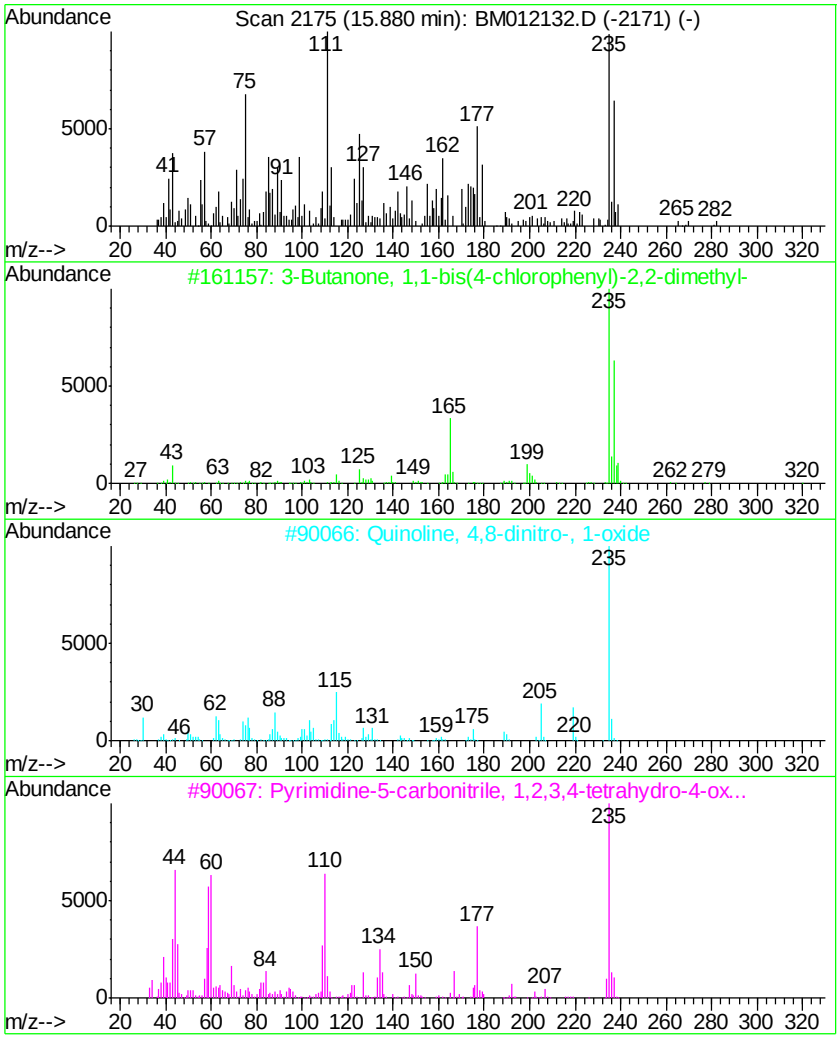
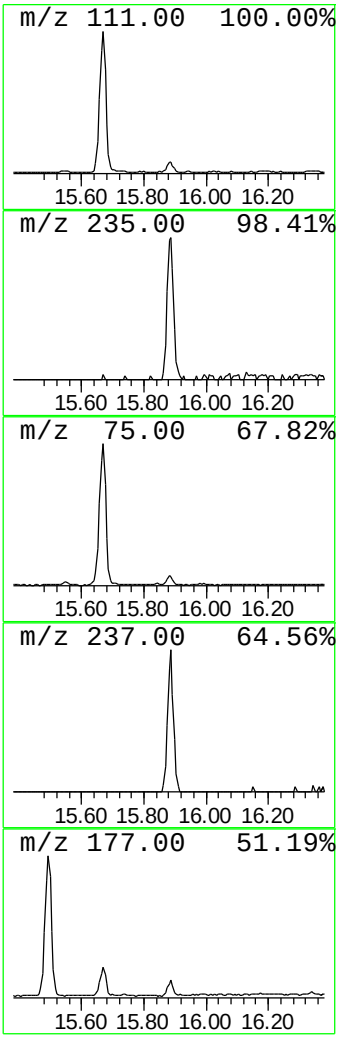
Peak Number 17 unknown-03 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	2.33 ng/ul	328920	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Butanone, 1,1-bis(4-chlorophen...	320	C18H18Cl2O	1000158-20-4	25
2	Quinoline, 4,8-dinitro-, 1-oxide	235	C9H5N3O5	014753-19-6	22
3	Pyrimidine-5-carbonitrile, 1,2,3...	235	C9H5N3OS2	109532-65-2	18
4	p-Fluoroaniline	111	C6H6FN	000371-40-4	18
5	Fumaric acid, monoamide, N-(2-fl...	237	C12H12FNO3	1000345-37-4	18





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Sample : I5568-07
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Instrument : BNA_M
ClientSampleId : B-29(1-3)-092917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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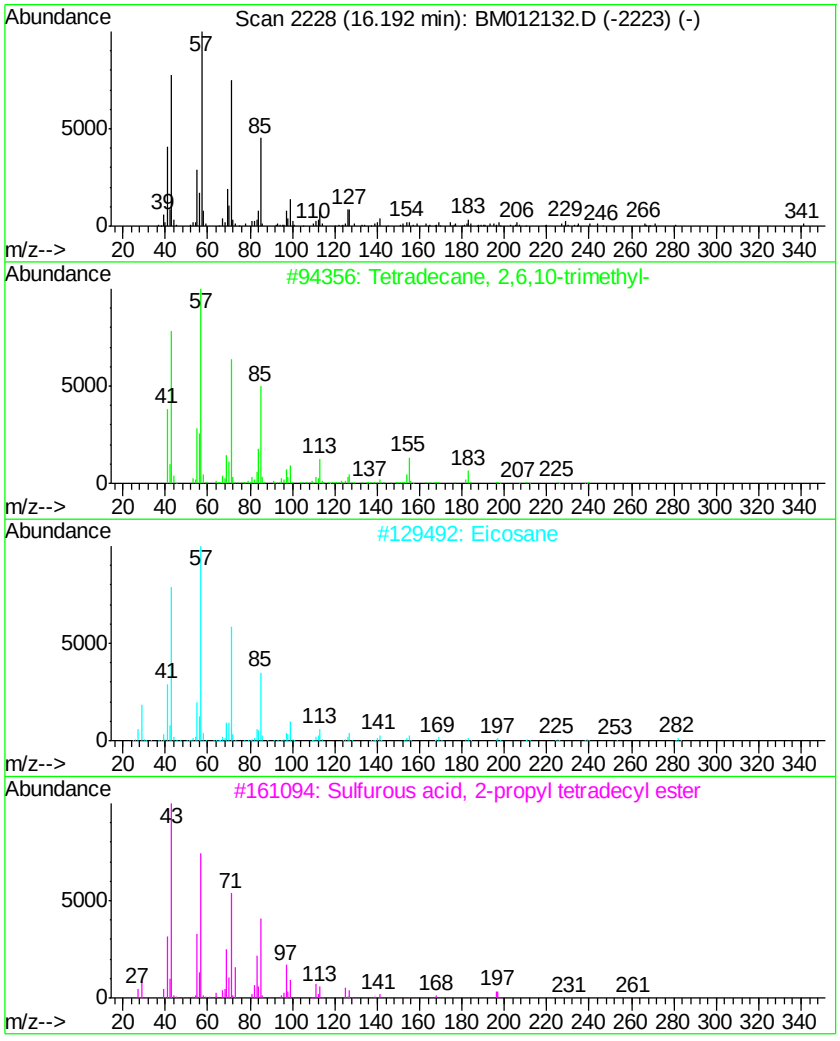
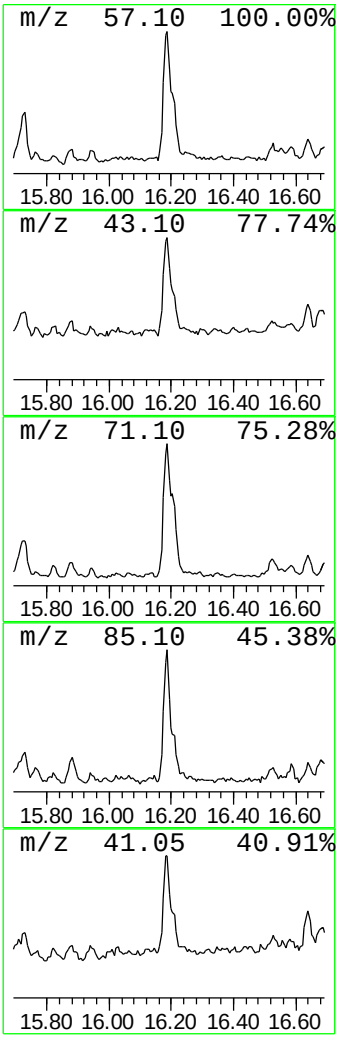
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.19	3.34 ng/ul	471968	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	90
2	Eicosane	282	C20H42	000112-95-8	86
3	Sulfurous acid, 2-propyl tetrade...	320	C17H36O3S	1000309-12-5	86
4	Tetracosane	338	C24H50	000646-31-1	86
5	2-Bromo dodecane	248	C12H25Br	013187-99-0	86





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Instrument : BNA_M
ClientSampleId : B-29(1-3)-092917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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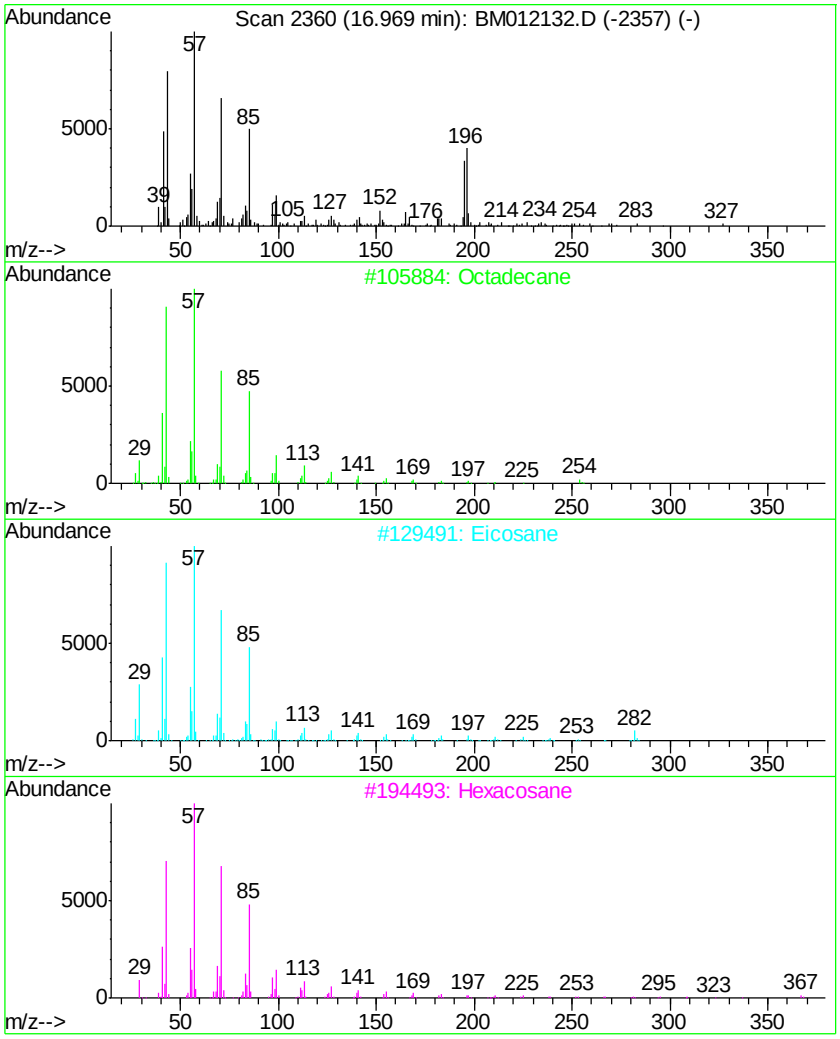
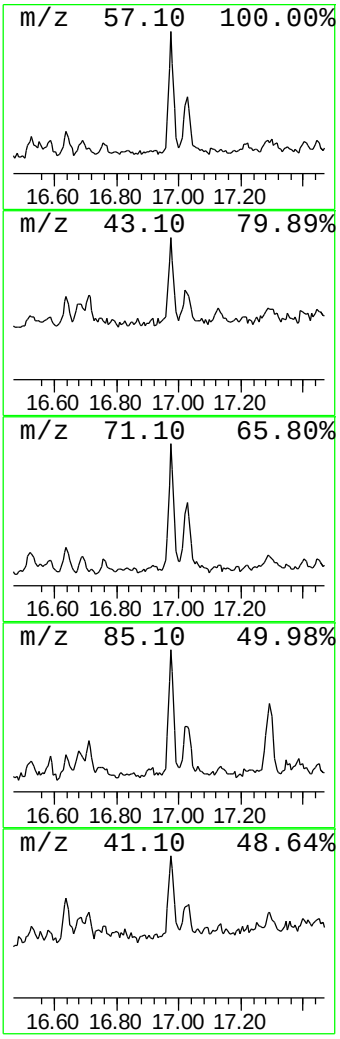
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.97	2.51 ng/ul	355142	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	70
2	Eicosane	282	C20H42	000112-95-8	64
3	Hexacosane	366	C26H54	000630-01-3	64
4	Nonadecane	268	C19H40	000629-92-5	64
5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	62





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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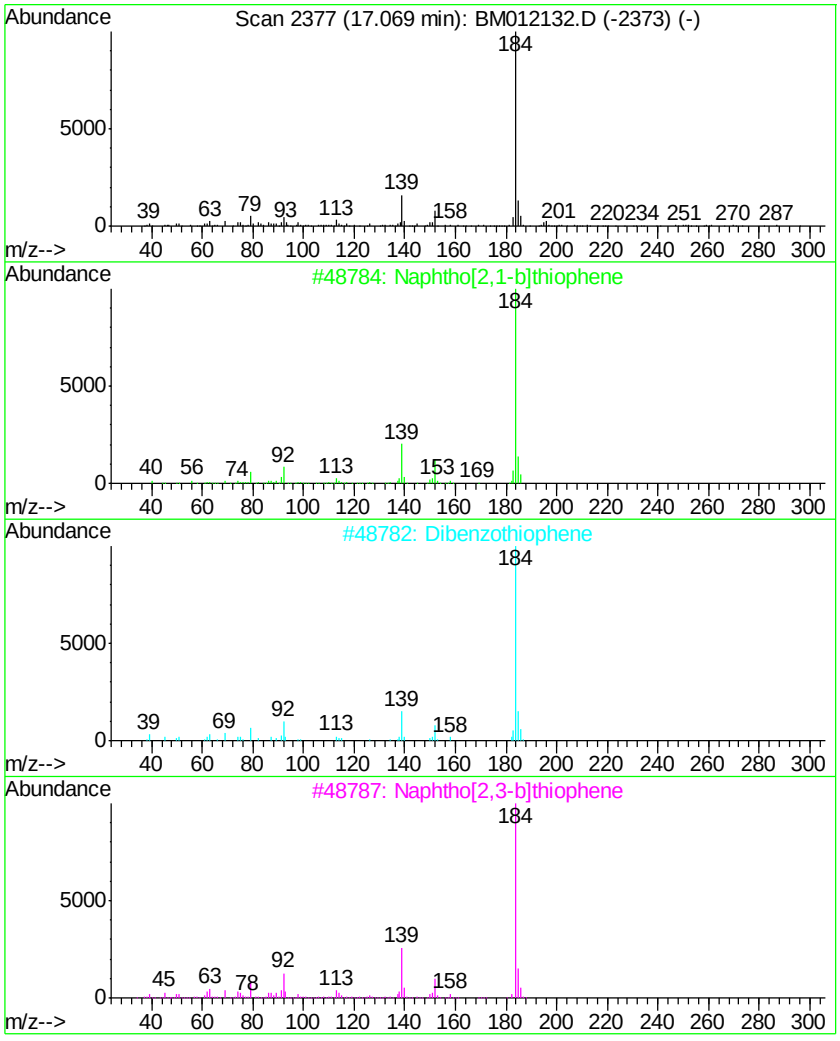
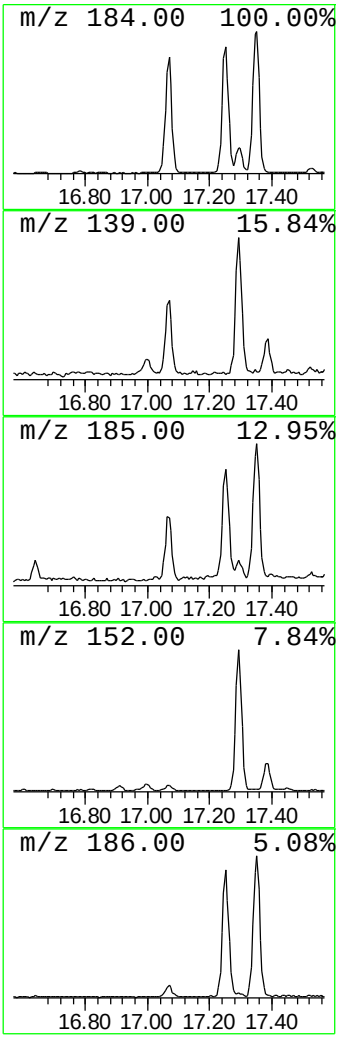
Peak Number 20 Naphtho[2,1-b]thiophene Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.07	2.49 ng/ul	351717	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
2	Dibenzothiophene	184	C12H8S	000132-65-0	93
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
4	Dibenzothiophene	184	C12H8S	000132-65-0	90
5	Dibenzothiophene	184	C12H8S	000132-65-0	90





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Sample : I5568-07
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Instrument : BNA_M
ClientSampleId : B-29(1-3)-092917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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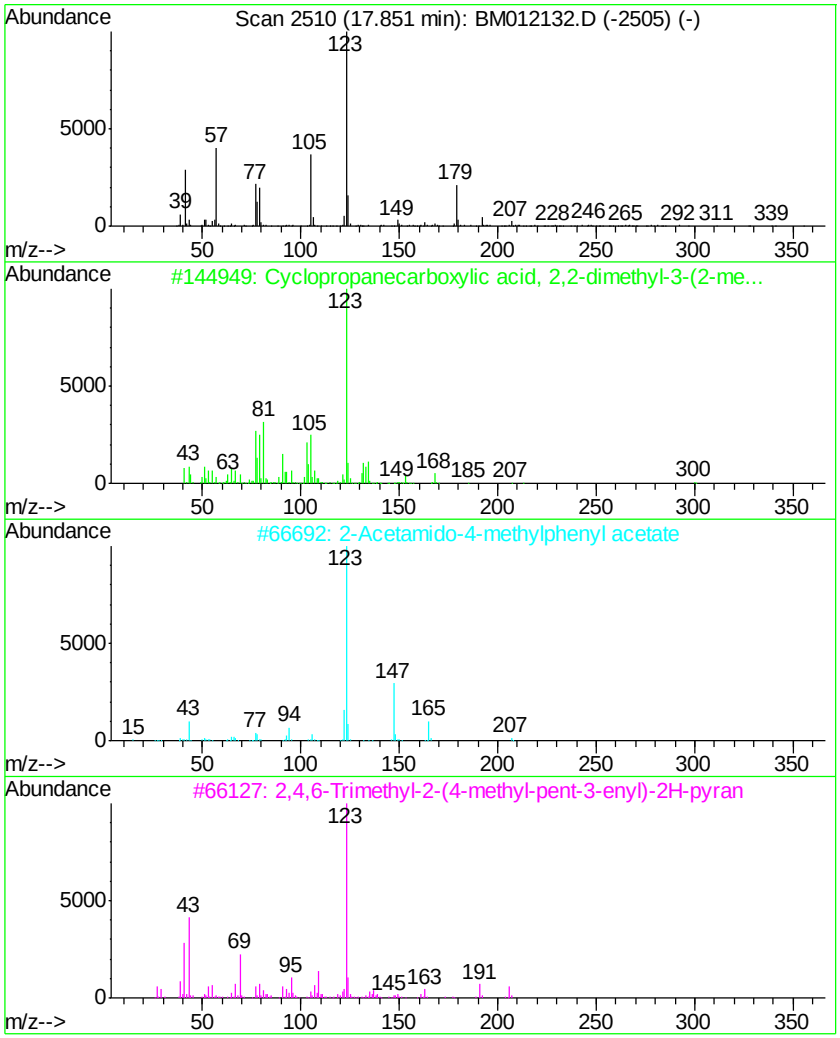
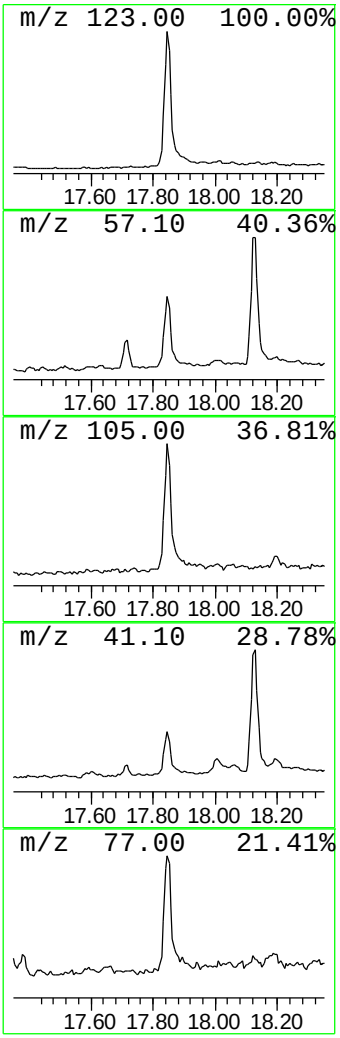
Peak Number 21 unknown-04 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.85	4.87 ng/ul	688463	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropanecarboxylic acid, 2,2...	300	C19H24O3	023031-36-9	39
2	2-Acetamido-4-methylphenyl acetate	207	C11H13NO3	1000373-46-9	37
3	2,4,6-Trimethyl-2-(4-methyl-pent...	206	C14H22O	1000193-58-6	25
4	4-Fluorobenzoic acid, 2-methyloc...	262	C16H19FO2	1000299-15-5	25
5	2,3-di(3-Pyridyl)-2,3-butanediol	244	C14H16N2O2	004989-59-7	23





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Data File : BM012132.D
Acq On : 13 Oct 2017 12:06
Operator : SJ/JU
Sample : I5568-07
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(1-3)-092917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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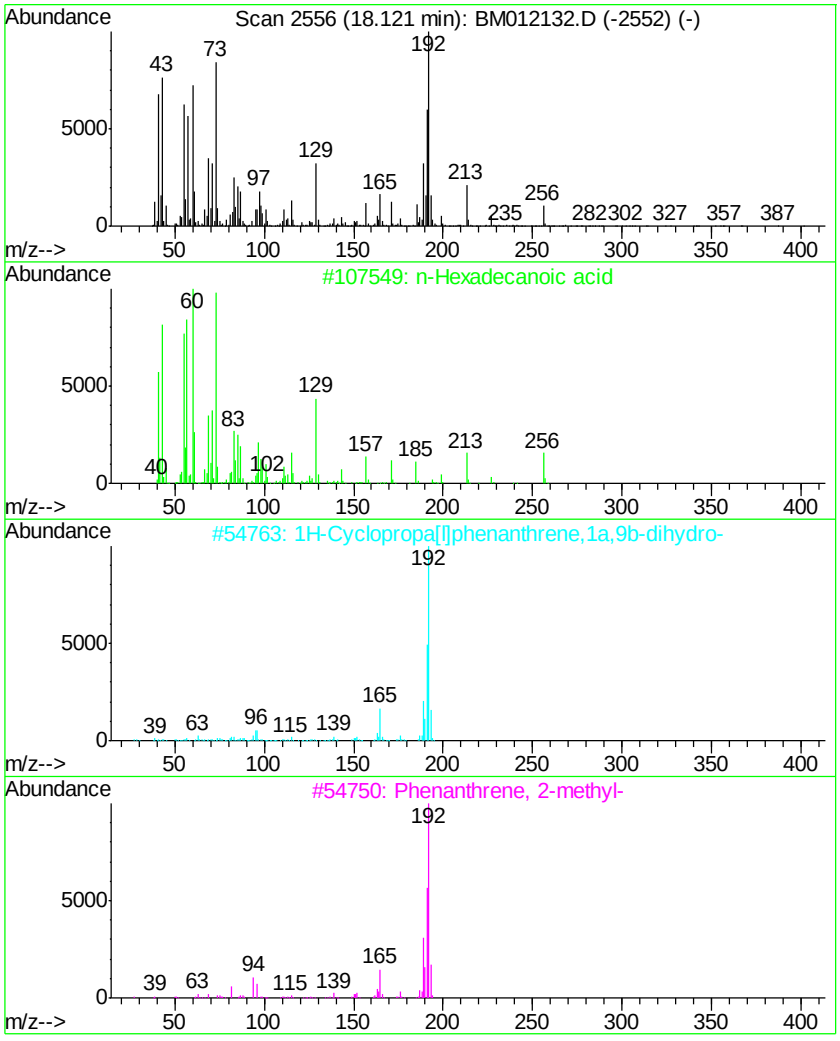
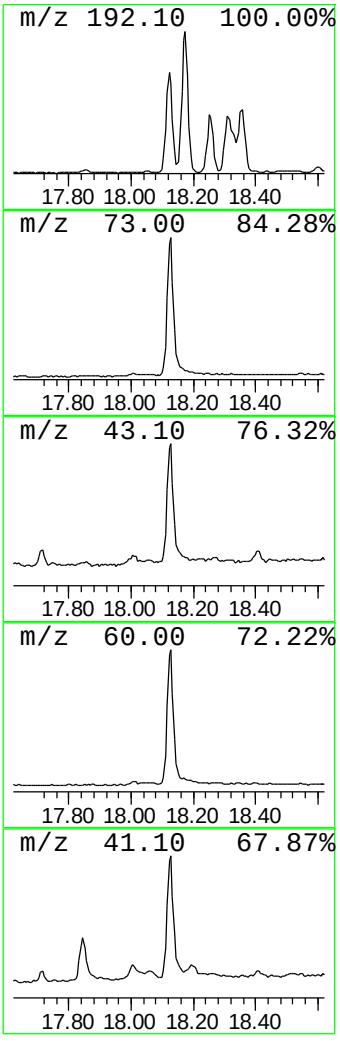
Peak Number 22 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	23.69 ng/ul	3347330	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





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Sample : I5568-07
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ClientSampleId :
B-29(1-3)-092917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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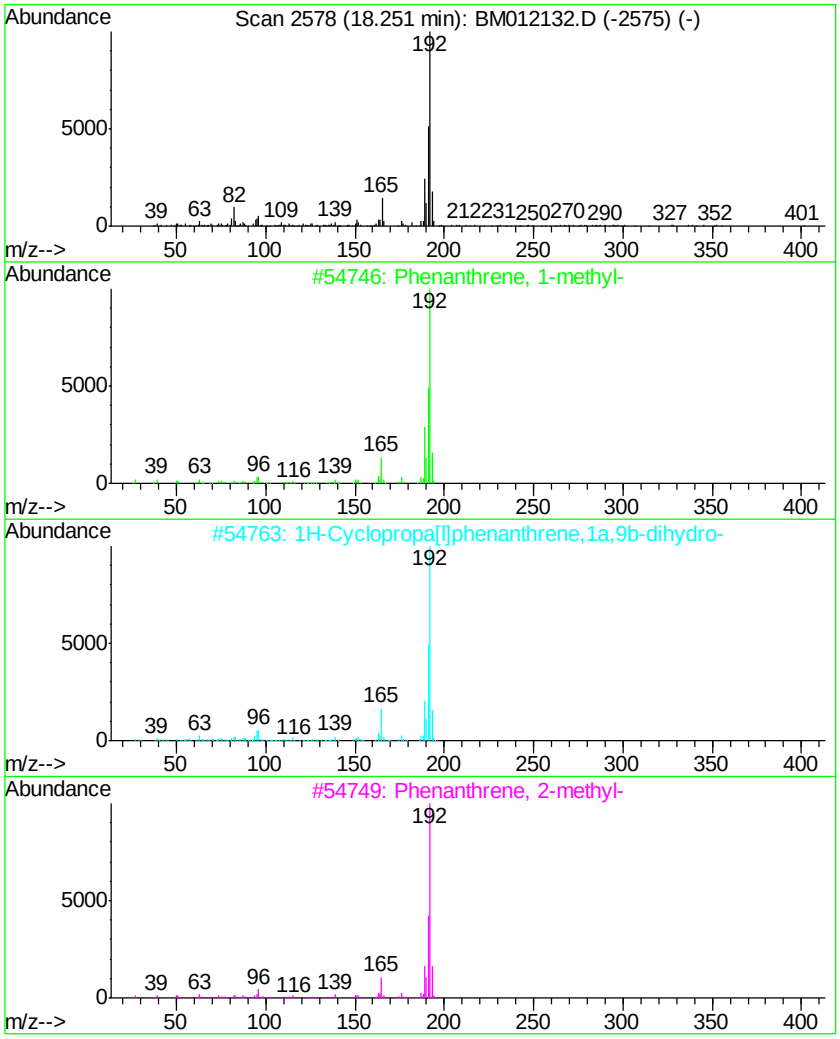
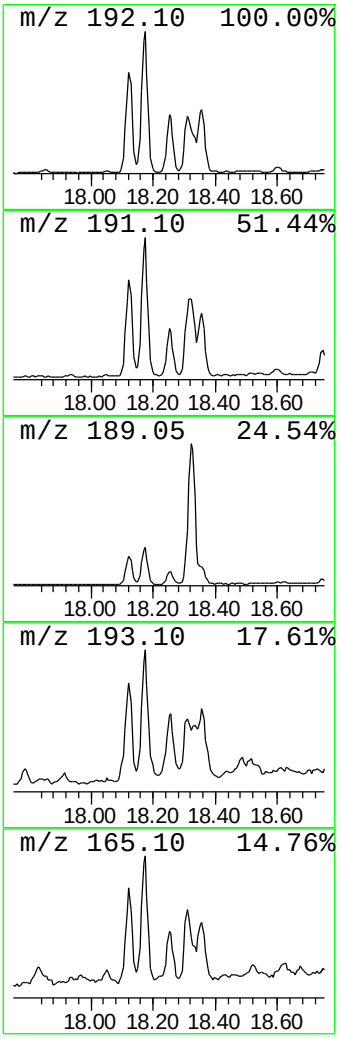
Peak Number 23 Phenanthrene, 1-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.25	3.25 ng/ul	459175	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93





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ClientSampleId : B-29(1-3)-092917

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Quant Title : SVOA CALIBRATION

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

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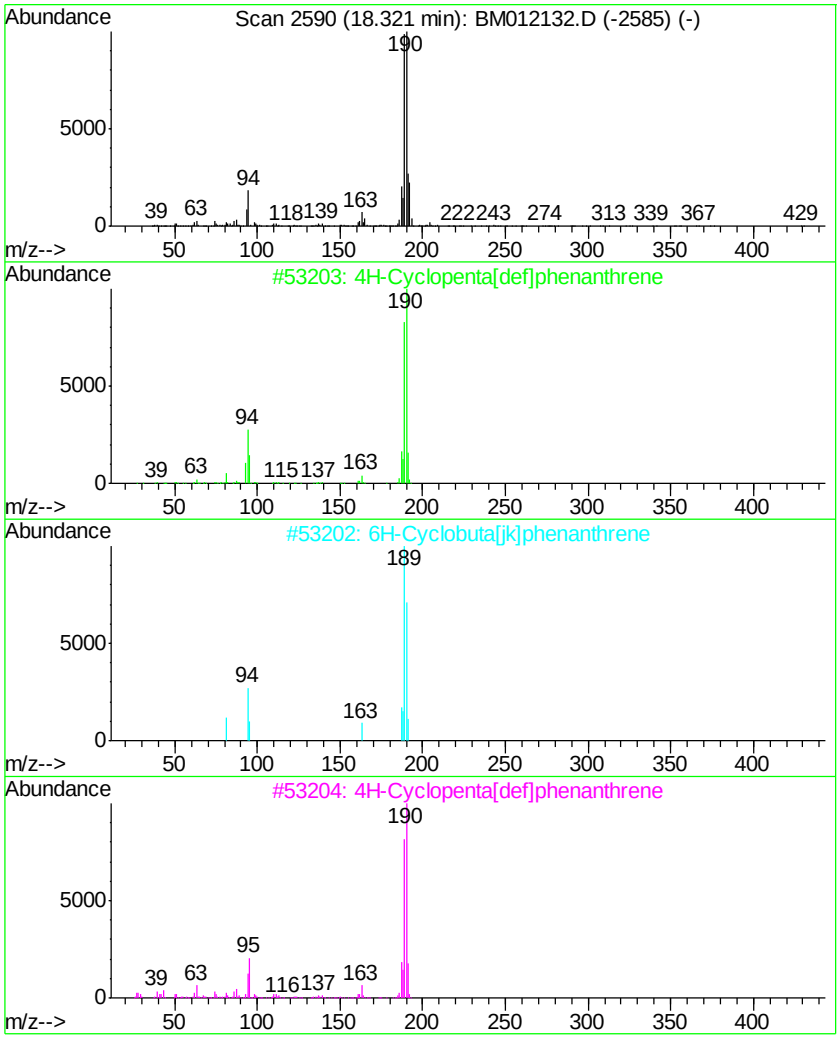
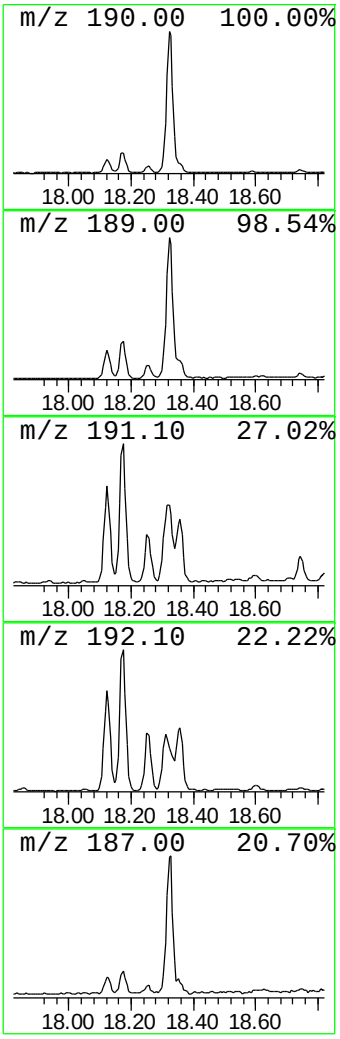
Peak Number 24 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	12.73 ng/ul	1798630	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	47
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47





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Sample : I5568-07
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(1-3)-092917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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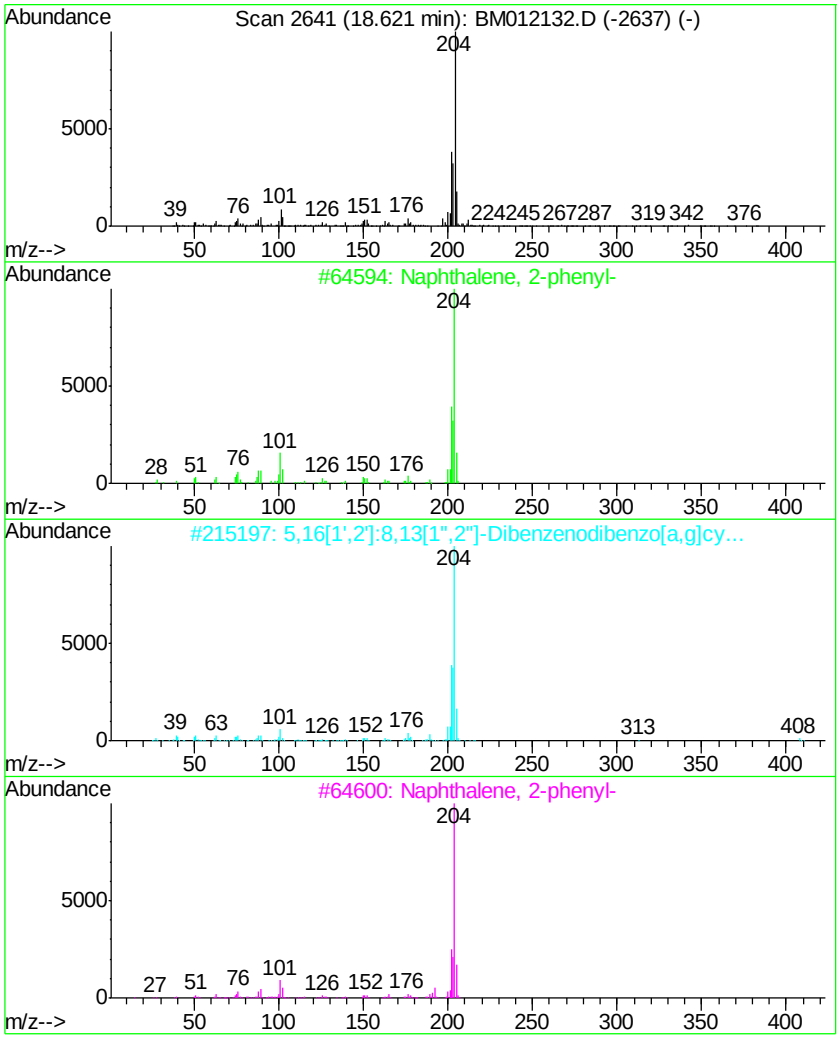
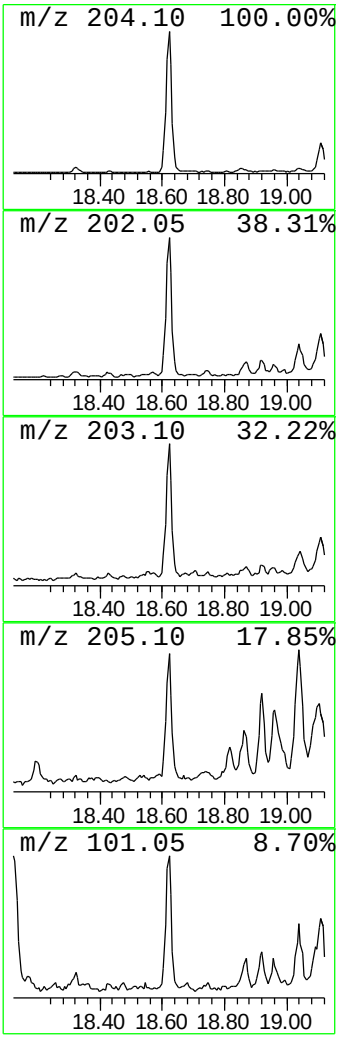
Peak Number 25 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	4.62 ng/ul	652748	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	62





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Sample : I5568-07
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ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(1-3)-092917

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Quant Title : SVOA CALIBRATION

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

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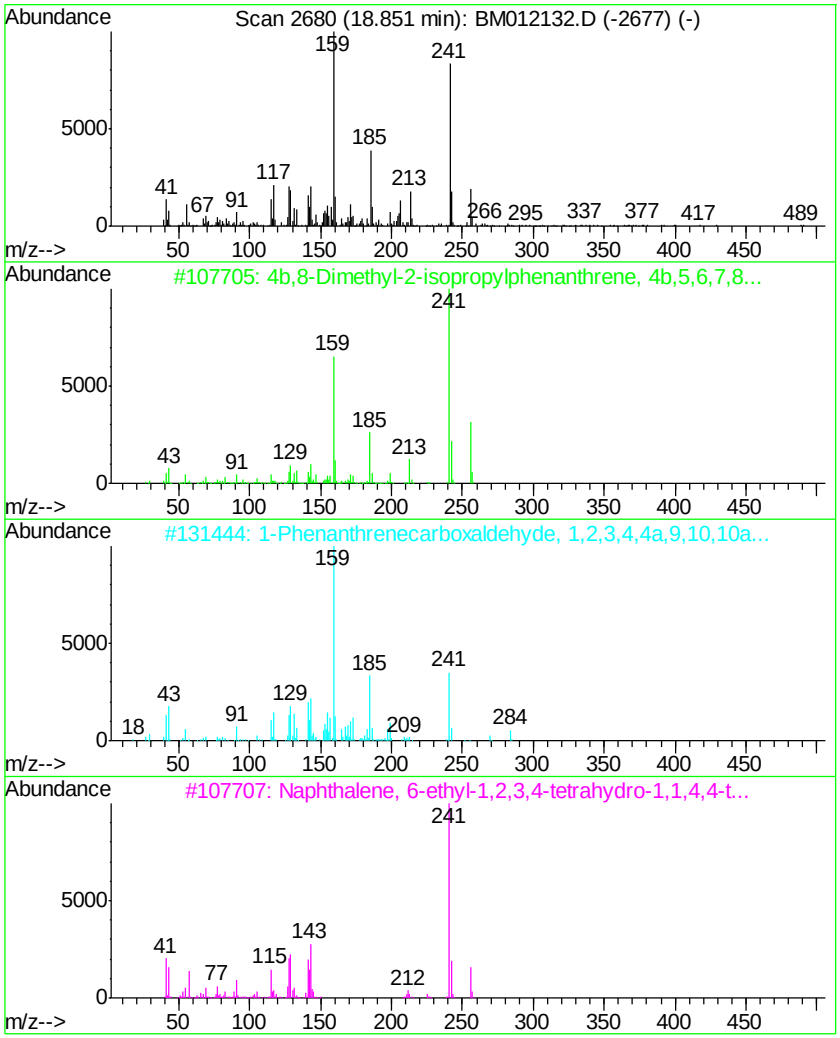
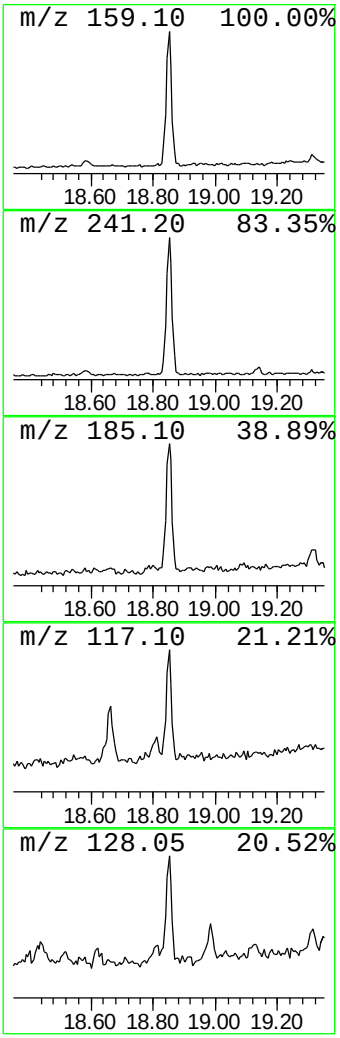
Peak Number 26 4b,8-Dimethyl-2-isopropylph... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	5.88 ng/ul	830643	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	95
2	1-Phenanthrenecarboxaldehyde, 1,...	284	C20H28O	024035-50-5	46
3	Naphthalene, 6-ethyl-1,2,3,4-tet...	256	C19H28	301643-35-6	35
4	s-Indacen-1(2H)-one, 3,5,6,7-tet...	256	C18H24O	038754-94-8	30
5	2(1H)-Quinolinone, hydrazone	159	C9H9N3	015793-77-8	27





Library Search Compound Report

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Instrument : BNA_M
ClientSampleId : B-29(1-3)-092917

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Quant Title : SVOA CALIBRATION

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

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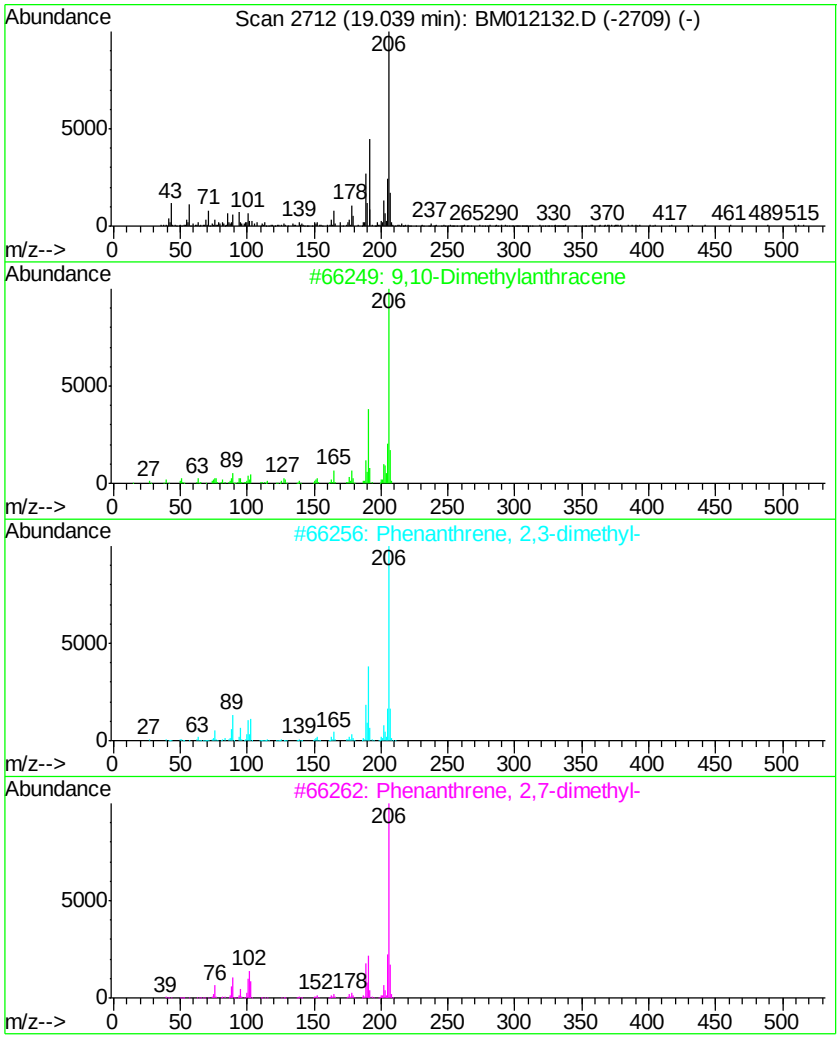
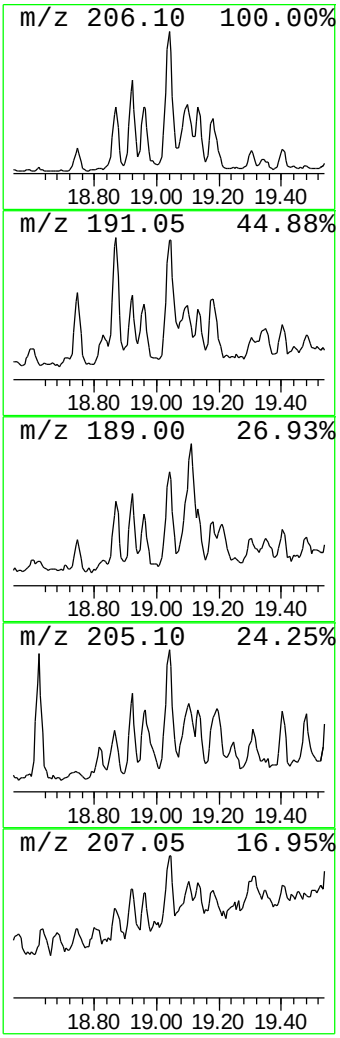
Peak Number 27 9,10-Dimethylanthracene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.04	3.54 ng/ul	499746	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90





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Operator : SJ/JU
Sample : I5568-07
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(1-3)-092917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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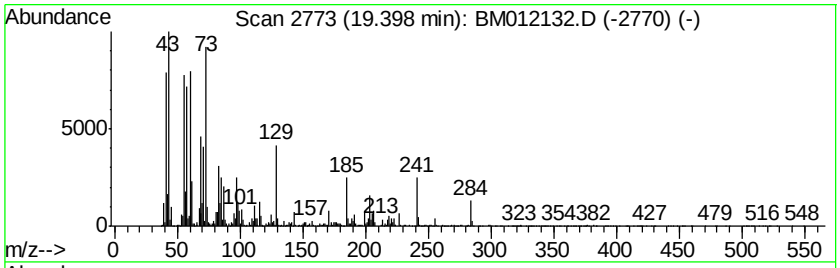
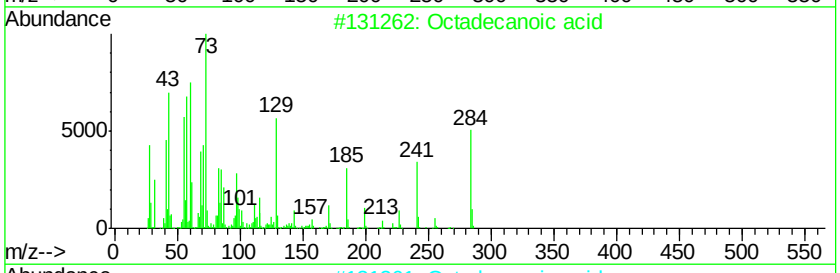
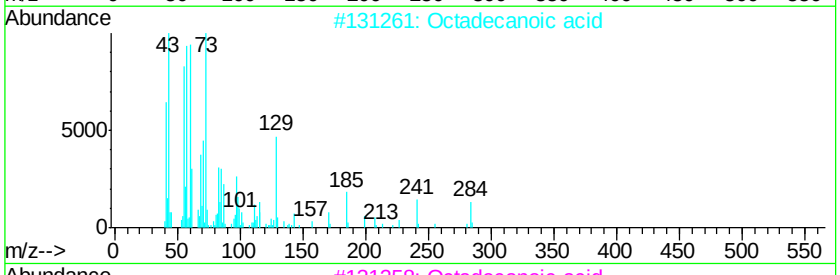
Peak Number 28 Octadecanoic acid Concentration Rank 23

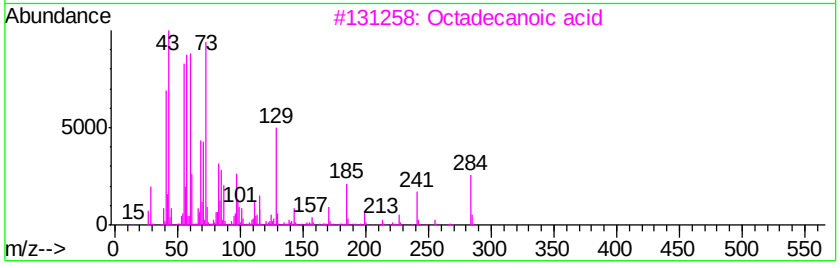
R.T.	EstConc	Area	Relative to ISTD	R.T.
19.40	3.32 ng/ul	3307940	Chrysene-d12	21.44

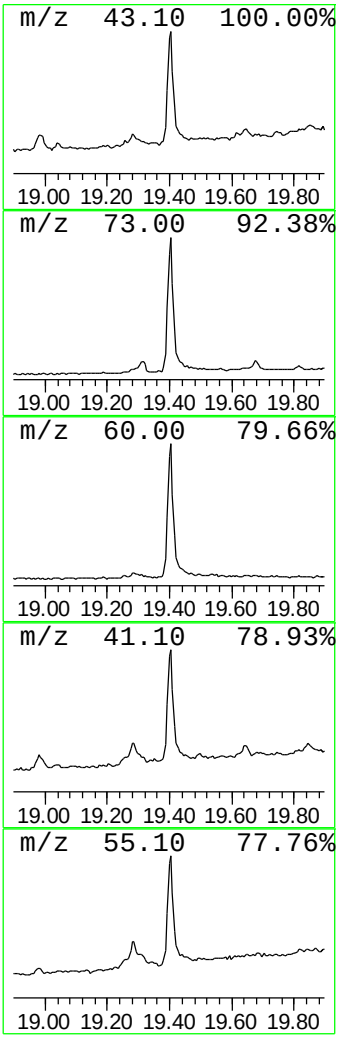
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Octadecanoic acid	284	C18H36O2	000057-11-4	99
3	Octadecanoic acid	284	C18H36O2	000057-11-4	99
4	Octadecanoic acid	284	C18H36O2	000057-11-4	98
5	Octadecanoic acid	284	C18H36O2	000057-11-4	93











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Sample : I5568-07
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(1-3)-092917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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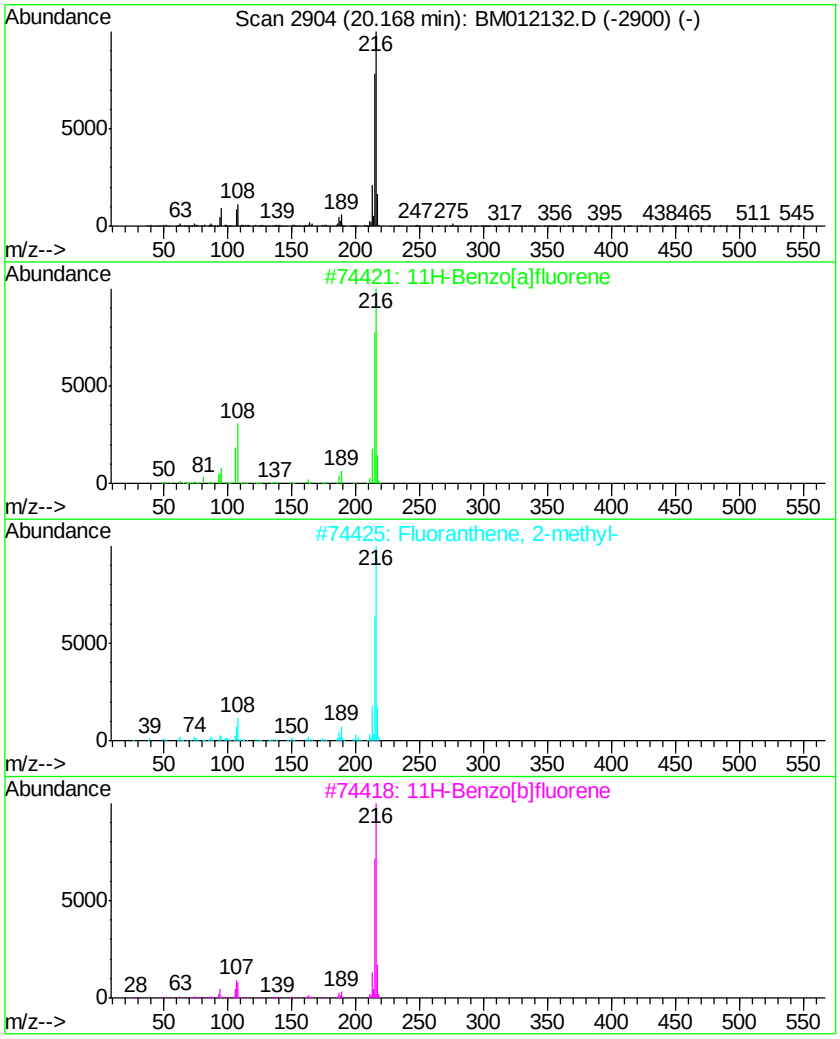
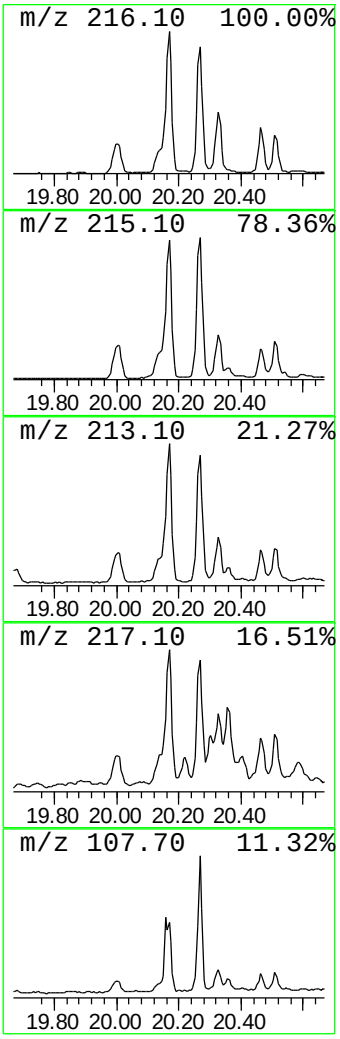
Peak Number 29 11H-Benzo[a]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.17	4.10 ng/ul	4092800	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





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Sample : I5568-07
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-29(1-3)-092917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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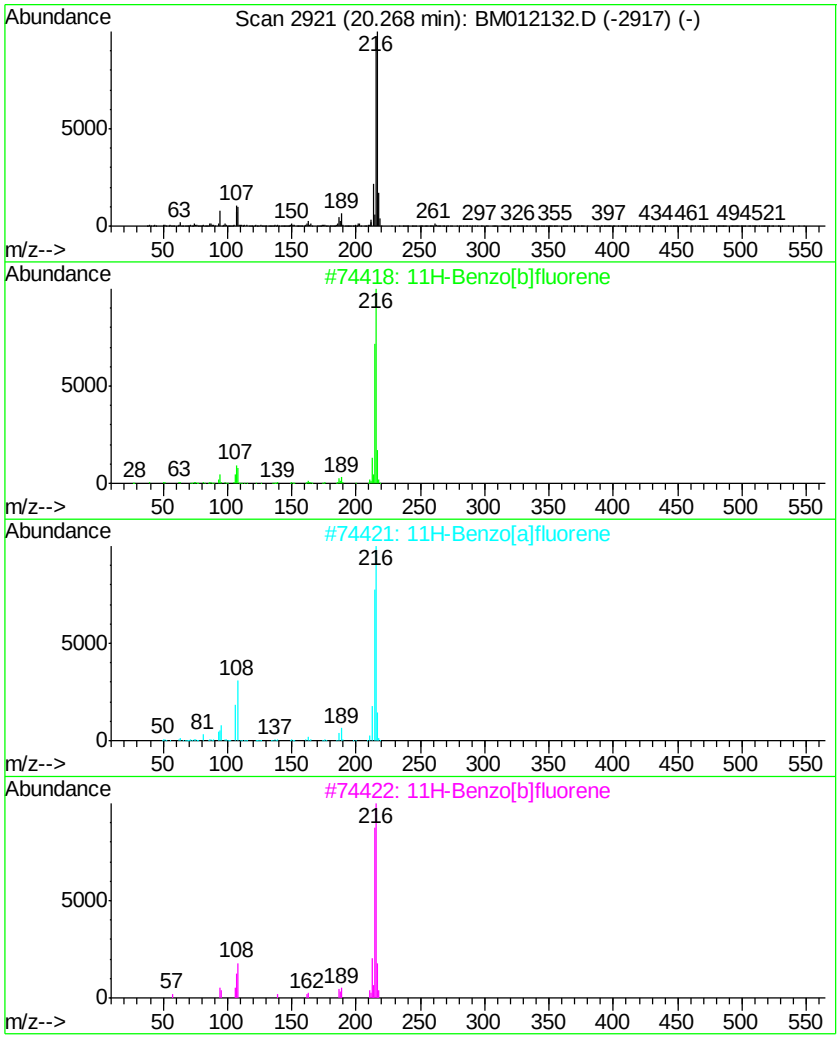
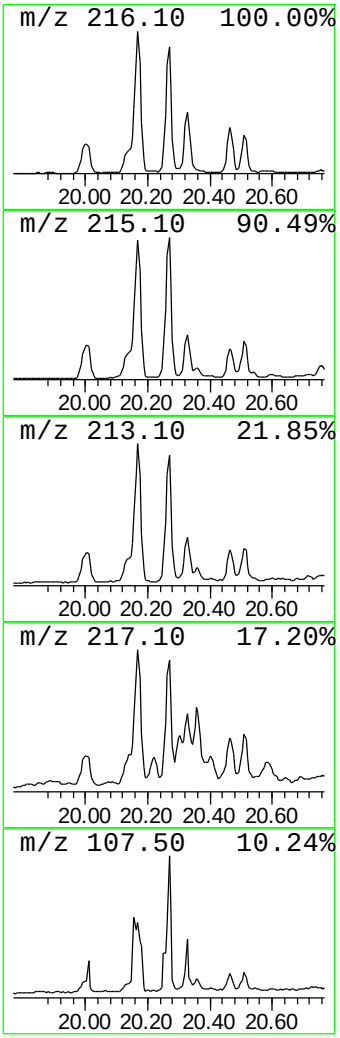
Peak Number 30 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.27	3.61 ng/ul	3599020	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





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Acq On : 13 Oct 2017 12:06
Operator : SJ/JU
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Misc :
ALS Vial : 31 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

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

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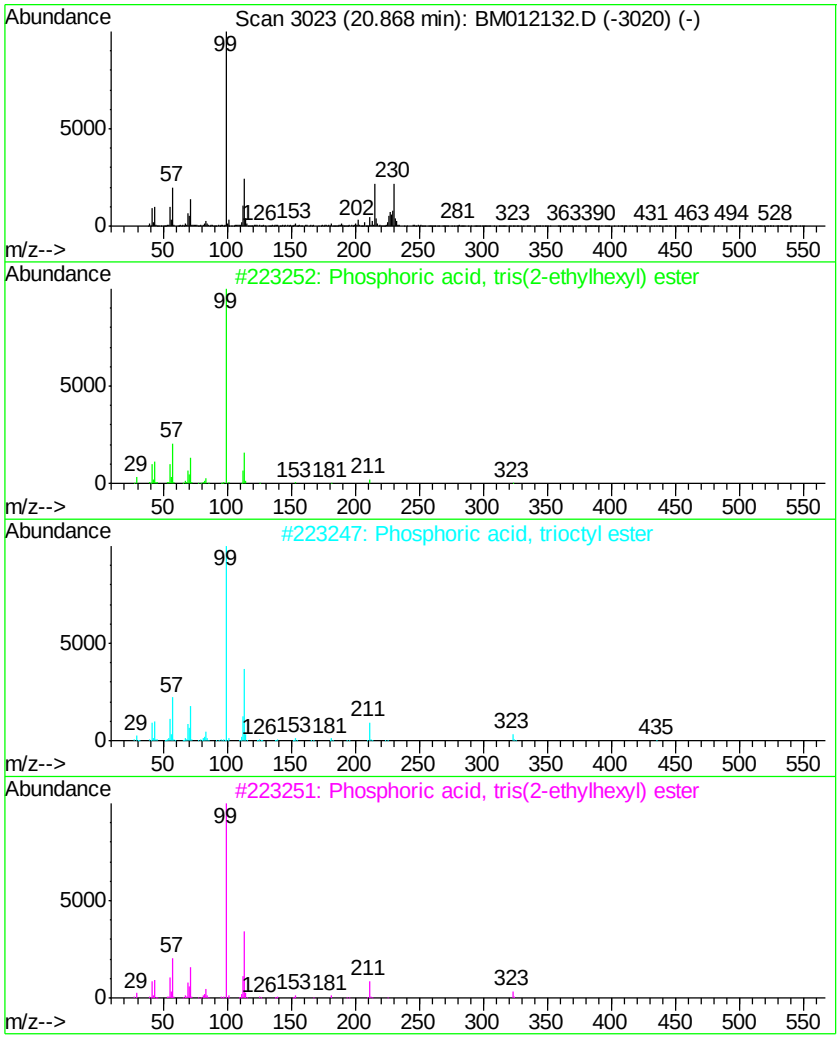
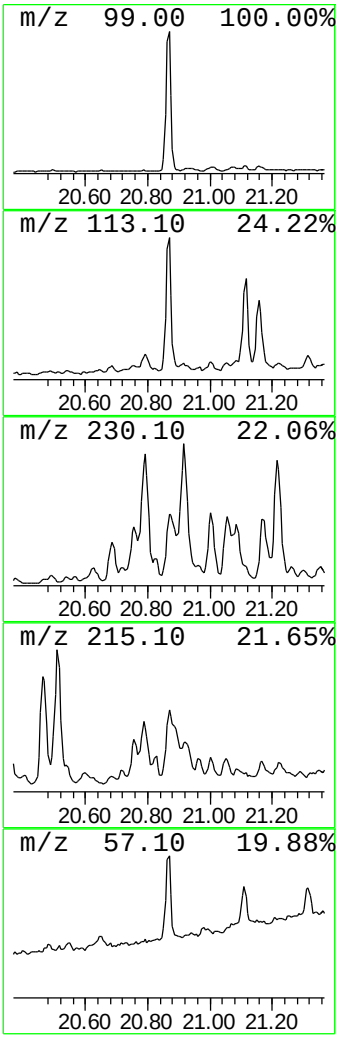
Peak Number 31 unknown-05 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	2.25 ng/ul	2243350	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphoric acid, tris(2-ethylhex...	434	C24H51O4P	000078-42-2	47
2	Phosphoric acid, trioctyl ester	434	C24H51O4P	001806-54-8	30
3	Phosphoric acid, tris(2-ethylhex...	434	C24H51O4P	000078-42-2	30
4	n-Heptyl methylphosphonofluoridate	196	C8H18FO2P	162085-82-7	25
5	Phosphoric acid, monododecyl ester	266	C12H27O4P	002627-35-2	25





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ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(1-3)-092917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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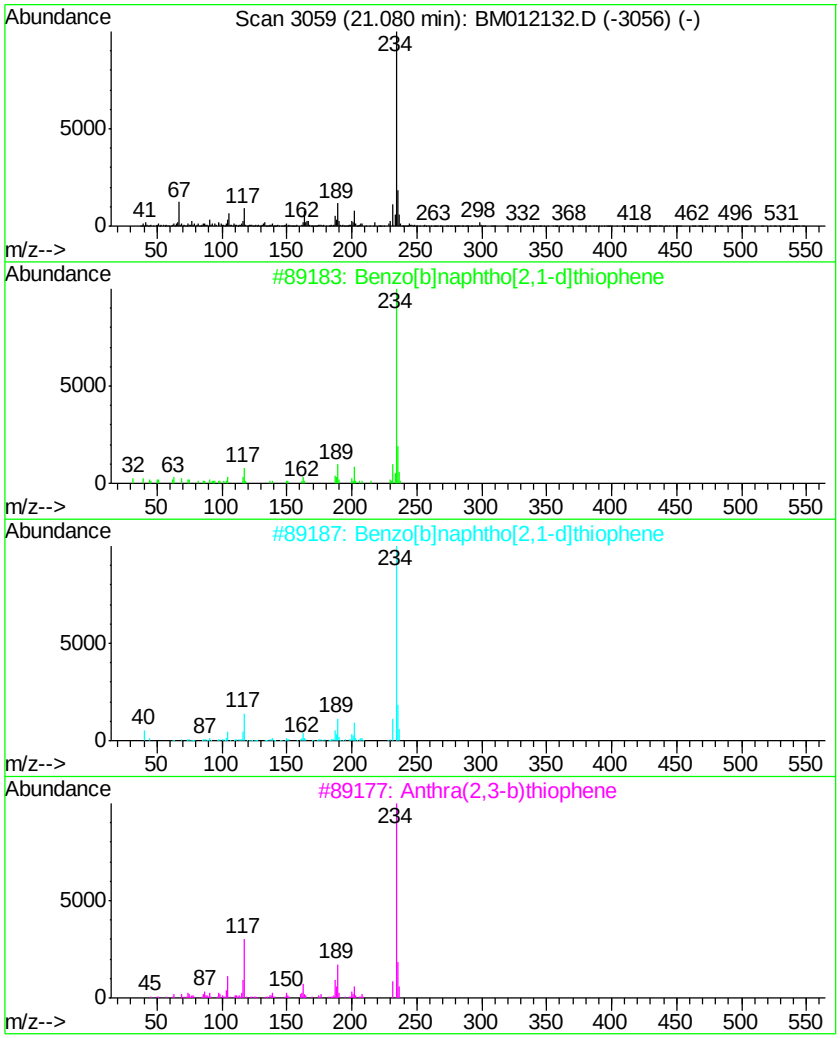
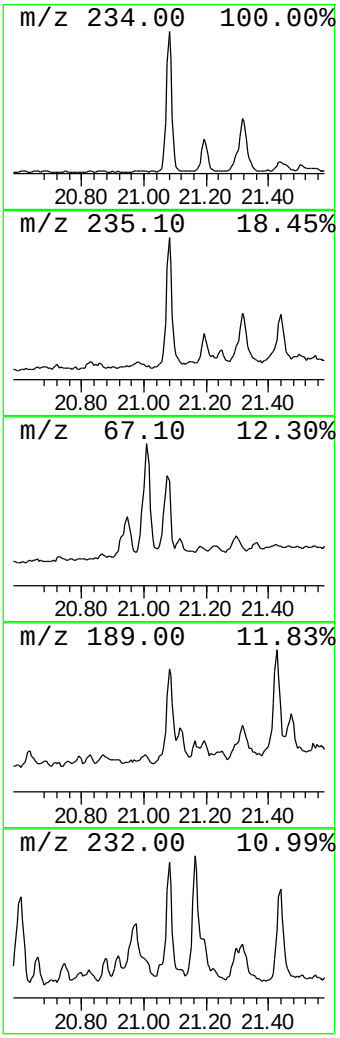
Peak Number 32 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.08	2.13 ng/ul	2128100	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	98
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
3	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	95
4	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	93
5	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	93





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012132.D
Acq On : 13 Oct 2017 12:06
Operator : SJ/JU
Sample : I5568-07
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(1-3)-092917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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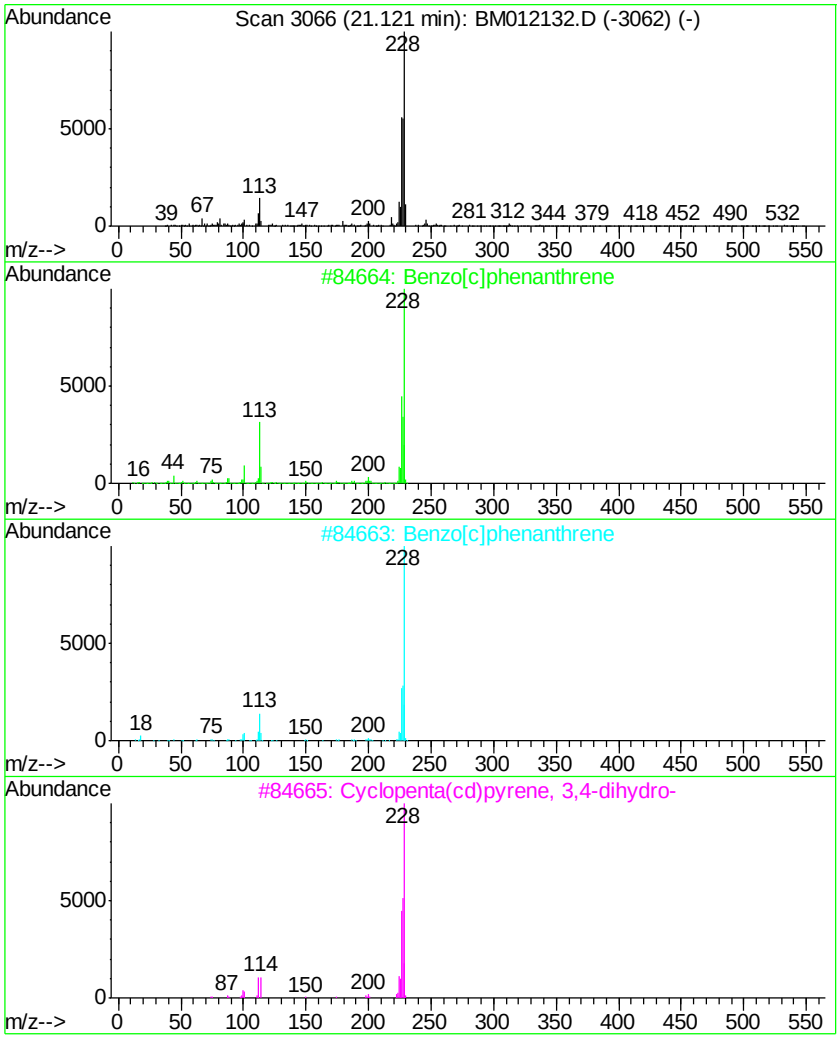
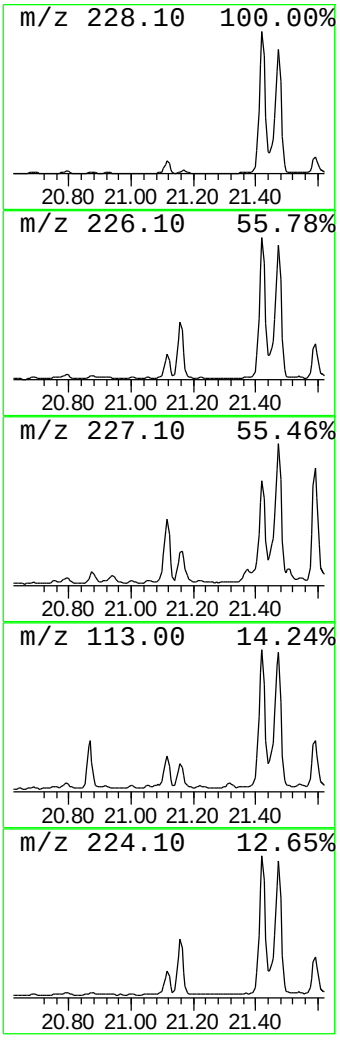
Peak Number 33 unknown-06 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.12	2.23 ng/ul	2229700	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49
3	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	47
4	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	47
5	Triphenylene	228	C18H12	000217-59-4	45





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012132.D
Acq On : 13 Oct 2017 12:06
Operator : SJ/JU
Sample : I5568-07
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-29(1-3)-092917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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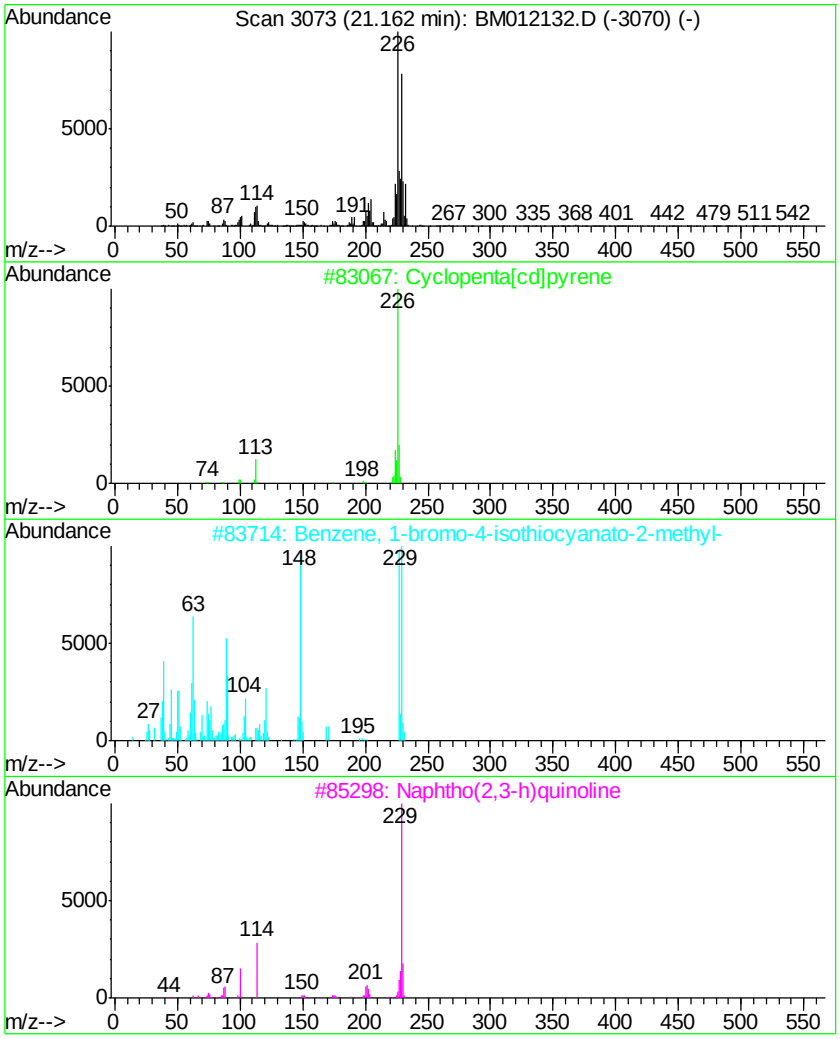
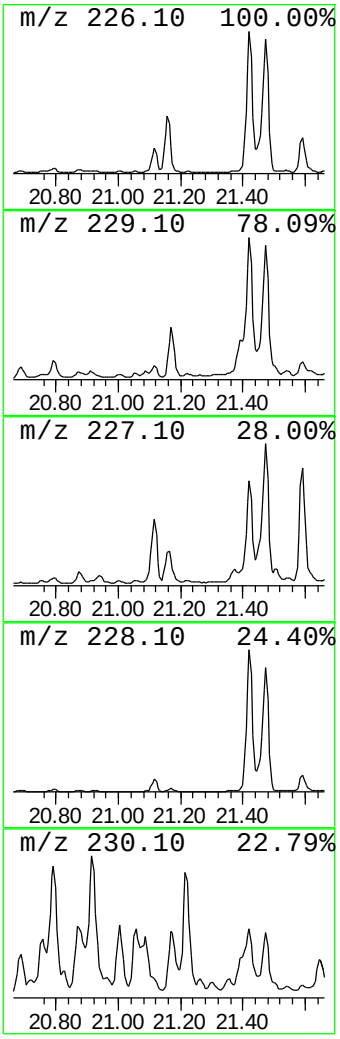
Peak Number 34 unknown-07 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.16	2.47 ng/ul	2461400	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	30
2	Benzene, 1-bromo-4-isothiocyanat...	227	C8H6BrNS	071672-88-3	27
3	Naphtho(2,3-h)quinoline	229	C17H11N	000084-56-0	27
4	Benzo(a)acridine	229	C17H11N	000225-11-6	27
5	Benz[c]acridine	229	C17H11N	000225-51-4	25





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012132.D
Acq On : 13 Oct 2017 12:06
Operator : SJ/JU
Sample : I5568-07
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-29(1-3)-092917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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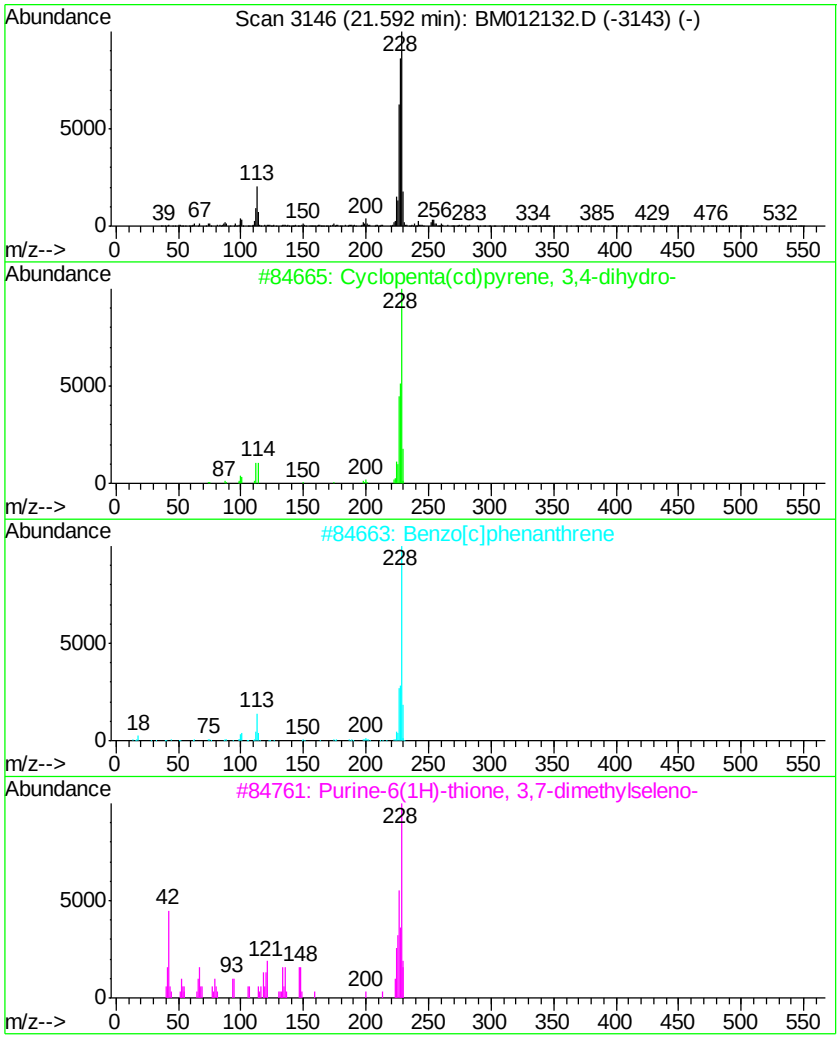
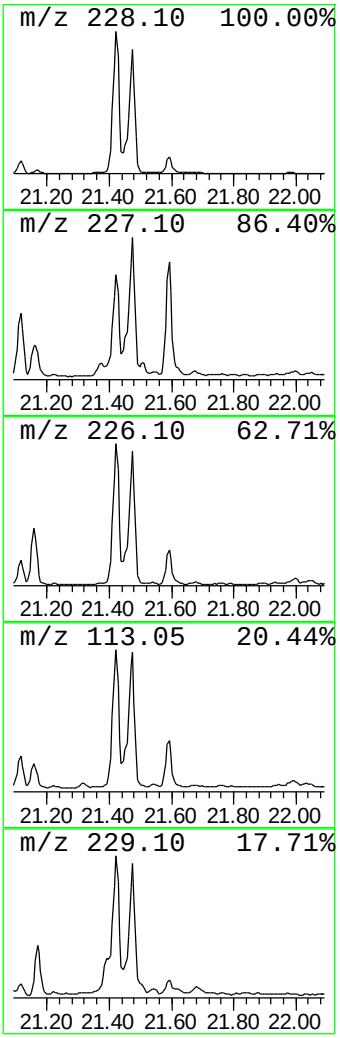
Peak Number 35 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.59	2.33 ng/ul	2321620	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	70
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	53
3	Purine-6(1H)-thione, 3,7-dimethy...	228	C7H8N4Se	023663-58-3	46
4	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	43
5	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012132.D
Acq On : 13 Oct 2017 12:06
Operator : SJ/JU
Sample : I5568-07
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(1-3)-092917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.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
Methacrylamide	3.78	4.8	ng/ul	220696	1	7.85	924026	20.0
Benzene, 1,3-dime...	5.83	5.1	ng/ul	234866	1	7.85	924026	20.0
(DEL) Alkane: Str...	7.44	4.7	ng/ul	215657	1	7.85	924026	20.0
Dicyclopentadiene	8.10	64.2	ng/ul	2965210	1	7.85	924026	20.0
Naphthalene, deca...	8.67	5.2	ng/ul	241101	1	7.85	924026	20.0
Bicyclo[2.2.2]oct...	9.16	10.1	ng/ul	466912	1	7.85	924026	20.0
Benzenamine, 2-me...	10.35	10.2	ng/ul	769068	2	10.65	1510680	20.0
unknown-01	13.07	2.7	ng/ul	287626	3	14.50	2111260	20.0
Benzene, (2-cyclo...	13.20	2.7	ng/ul	289687	3	14.50	2111260	20.0
Tiocarlide	13.37	3.2	ng/ul	339880	3	14.50	2111260	20.0
1-Iodo-2-methylun...	14.37	2.7	ng/ul	286468	3	14.50	2111260	20.0
unknown-02	14.81	3.5	ng/ul	365050	3	14.50	2111260	20.0
(DEL) Alkane: Str...	15.32	4.8	ng/ul	501750	3	14.50	2111260	20.0
unknown-03	15.88	2.3	ng/ul	328920	4	17.25	2826080	20.0
(DEL) Alkane: Str...	16.19	3.3	ng/ul	471968	4	17.25	2826080	20.0
(DEL) Alkane: Str...	16.97	2.5	ng/ul	355142	4	17.25	2826080	20.0
Naphtho[2,1-b]thi...	17.07	2.5	ng/ul	351717	4	17.25	2826080	20.0
unknown-04	17.85	4.9	ng/ul	688463	4	17.25	2826080	20.0
n-Hexadecanoic acid	18.12	23.7	ng/ul	3347330	4	17.25	2826080	20.0
Phenanthrene, 1-m...	18.25	3.3	ng/ul	459175	4	17.25	2826080	20.0
4H-Cyclopenta[def...	18.32	12.7	ng/ul	1798630	4	17.25	2826080	20.0
Naphthalene, 2-ph...	18.62	4.6	ng/ul	652748	4	17.25	2826080	20.0
4b,8-Dimethyl-2-i...	18.85	5.9	ng/ul	830643	4	17.25	2826080	20.0
9,10-Dimethylanth...	19.04	3.5	ng/ul	499746	4	17.25	2826080	20.0
Octadecanoic acid	19.40	3.3	ng/ul	3307940	5	21.44	19955900	20.0
11H-Benzo[a]fluorene	20.17	4.1	ng/ul	4092800	5	21.44	19955900	20.0
11H-Benzo[b]fluorene	20.27	3.6	ng/ul	3599020	5	21.44	19955900	20.0
unknown-05	20.87	2.3	ng/ul	2243350	5	21.44	19955900	20.0
Benzo[b]naphtho[2...	21.08	2.1	ng/ul	2128100	5	21.44	19955900	20.0
unknown-06	21.12	2.2	ng/ul	2229700	5	21.44	19955900	20.0
unknown-07	21.16	2.5	ng/ul	2461400	5	21.44	19955900	20.0
Cyclopenta(cd)pyr...	21.59	2.3	ng/ul	2321620	5	21.44	19955900	20.0