LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012815.D
Acq On : 08 Nov 2017 11:34
Operator : SJ/JU
Sample : I6164-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ET0D1

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-BM110417MA.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	3.805	117	122	129	rBV	151239	191539	2.27%	0.218%
2	6.975	655	661	674	rVB	294670	505645	5.99%	0.575%
3	7.134	682	688	697	rBV	245660	366877	4.34%	0.417%
4	7.334	716	722	731	rBV	324951	513648	6.08%	0.584%
5	7.798	795	801	810	rBV	446301	697156	8.25%	0.793%
6	8.510	916	922	935	rBV	321685	508824	6.02%	0.579%
7	8.957	991	998	1011	rBB	292641	473721	5.61%	0.539%
8	9.675	1114	1120	1128	rBV	250482	409069	4.84%	0.465%
9	10.216	1206	1212	1224	rBV	378492	652012	7.72%	0.742%
10	10.586	1268	1275	1282	rBV	591372	977202	11.57%	1.111%
11	10.734	1294	1300	1314	rBV	103196	217693	2.58%	0.248%
12	13.845	1823	1829	1834	rBV	689970	938867	11.12%	1.068%
13	13.892	1834	1837	1846	rVB	211611	277274	3.28%	0.315%
14	14.127	1871	1877	1891	rVB	769118	1138566	13.48%	1.295%
15	14.439	1921	1930	1936	rBV2	836526	1259384	14.91%	1.432%
16	14.498	1936	1940	1949	rVB	144080	211310	2.50%	0.240%
17	14.657	1962	1967	1978	rBV	146966	256545	3.04%	0.292%
18	14.839	1994	1998	2006	rVB	58401	96398	1.14%	0.110%
19	15.433	2092	2099	2104	rBV	967267	1373388	16.26%	1.562%
20	15.486	2104	2108	2114	rVB	207092	292837	3.47%	0.333%
21	15.568	2116	2122	2127	rBV	179803	275141	3.26%	0.313%
22	16.998	2361	2365	2375	rVB	120250	179643	2.13%	0.204%
23	17.186	2390	2397	2400	rBV2	891373	1344826	15.92%	1.530%
24	17.227	2400	2404	2409	rVV	2763240	3739692	44.27%	4.253%
25	17.280	2409	2413	2416	rVV2	961652	1317309	15.60%	1.498%
26	17.315	2416	2419	2425	rVV	709823	944319	11.18%	1.074%
27	17.586	2454	2465	2476	rBV	147518	264164	3.13%	0.300%
28	18.057	2539	2545	2550	rBV	210387	412535	4.88%	0.469%
29	18.104	2550	2553	2559	rVV	308834	419777	4.97%	0.477%
30	18.186	2561	2567	2572	rVV	105763	145828	1.73%	0.166%
31	18.257	2572	2579	2583	rVV2	494547	852397	10.09%	0.970%
32	18.286	2583	2584	2593	rVB	139452	147793	1.75%	0.168%
33	18.557	2625	2630	2634	rBV	250270	327432	3.88%	0.372%
34	18.604	2634	2638	2648	rVB	201695	268855	3.18%	0.306%

LSC Area Percent Report

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Acq On : 08 Nov 2017 11:34
Operator : SJ/JU
Sample : I6164-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ET0D1

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-BM110417MA.M
Title : SVOA CALIBRATION

35	18.974	2696	2701	2707	rBV2	74342	144746	1.71%	0.165%
36	19.121	2720	2726	2733	rBV2	108455	187397	2.22%	0.213%
37	19.245	2739	2747	2753	rBV	6590265	8446837	100.00%	9.607%
38	19.351	2760	2765	2769	rBV2	71450	130070	1.54%	0.148%
39	19.486	2782	2788	2797	rVV2	163117	312598	3.70%	0.356%
40	19.574	2797	2803	2805	rVV3	1903530	2649642	31.37%	3.014%
41	19.609	2805	2809	2816	rVV	4651415	6490171	76.84%	7.382%
42	19.674	2816	2820	2827	rVB2	177576	263612	3.12%	0.300%
43	19.780	2833	2838	2844	rBV	244728	348436	4.13%	0.396%
44	19.845	2845	2849	2854	rVB	128582	181270	2.15%	0.206%
45	19.921	2857	2862	2869	rBV4	215751	550462	6.52%	0.626%
46	20.062	2880	2886	2887	rVV4	159568	228907	2.71%	0.260%
47	20.098	2888	2892	2897	rVB	751770	1041431	12.33%	1.185%
48	20.198	2904	2909	2913	rBV	704403	910813	10.78%	1.036%
49	20.256	2913	2919	2922	rVV2	303264	546625	6.47%	0.622%
50	20.292	2922	2925	2929	rVV	190360	257653	3.05%	0.293%
51	20.333	2929	2932	2937	rVB	82868	113446	1.34%	0.129%
52	20.398	2939	2943	2946	rBV	145259	180123	2.13%	0.205%
53	20.445	2946	2951	2954	rVV3	158728	213169	2.52%	0.242%
54	20.721	2995	2998	3002	rVB2	70785	103827	1.23%	0.118%
55	20.803	3008	3012	3016	rBV2	110009	181693	2.15%	0.207%
56	20.851	3016	3020	3026	rVB	226063	337710	4.00%	0.384%
57	21.009	3042	3047	3051	rBV	540601	773888	9.16%	0.880%
58	21.045	3051	3053	3056	rVV	398428	484526	5.74%	0.551%
59	21.092	3056	3061	3065	rVV2	452379	849821	10.06%	0.967%
60	21.145	3065	3070	3077	rVB2	291661	487555	5.77%	0.555%
61	21.250	3081	3088	3094	rBV2	182879	416957	4.94%	0.474%
62	21.350	3097	3105	3111	rVV3	3504922	6675889	79.03%	7.593%
63	21.403	3111	3114	3123	rVB	3061917	3702379	43.83%	4.211%
64	21.521	3129	3134	3139	rBV	638761	853133	10.10%	0.970%
65	21.574	3140	3143	3146	rVV2	140063	209569	2.48%	0.238%
66	21.627	3150	3152	3156	rVB	185978	217388	2.57%	0.247%
67	21.674	3156	3160	3166	rBV2	362640	558963	6.62%	0.636%
68	21.921	3199	3202	3205	rVB	282213	330626	3.91%	0.376%
69	21.974	3208	3211	3217	rVB2	198255	321557	3.81%	0.366%
70	22.080	3225	3229	3232	rBV2	171031	229108	2.71%	0.261%
71	22.121	3232	3236	3239	rVV	251312	408197	4.83%	0.464%

LSC Area Percent Report

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Operator : SJ/JU
Sample : I6164-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ET0D1

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-BM110417MA.M
Title : SVOA CALIBRATION

72	22.156	3239	3242	3247	rVB2	324991	472462	5.59%	0.537%
73	22.215	3248	3252	3258	rVB3	196743	311363	3.69%	0.354%
74	22.968	3372	3380	3384	rBV	2702292	6237595	73.85%	7.095%
75	23.133	3404	3408	3413	rVB	423970	663888	7.86%	0.755%
76	23.268	3427	3431	3439	rBV	145002	379923	4.50%	0.432%
77	23.450	3456	3462	3467	rBV	1479934	2769038	32.78%	3.149%
78	23.503	3467	3471	3474	rVV2	672299	1222937	14.48%	1.391%
79	23.550	3474	3479	3486	rVB	2315392	4108254	48.64%	4.673%
80	23.644	3490	3495	3499	rVV	722037	1386692	16.42%	1.577%
81	23.697	3499	3504	3511	rVB	664877	1329284	15.74%	1.512%
82	25.962	3880	3889	3898	rVB	1334794	3858846	45.68%	4.389%
83	26.674	4000	4010	4022	rBV	908568	2843052	33.66%	3.234%

Sum of corrected areas: 87921194

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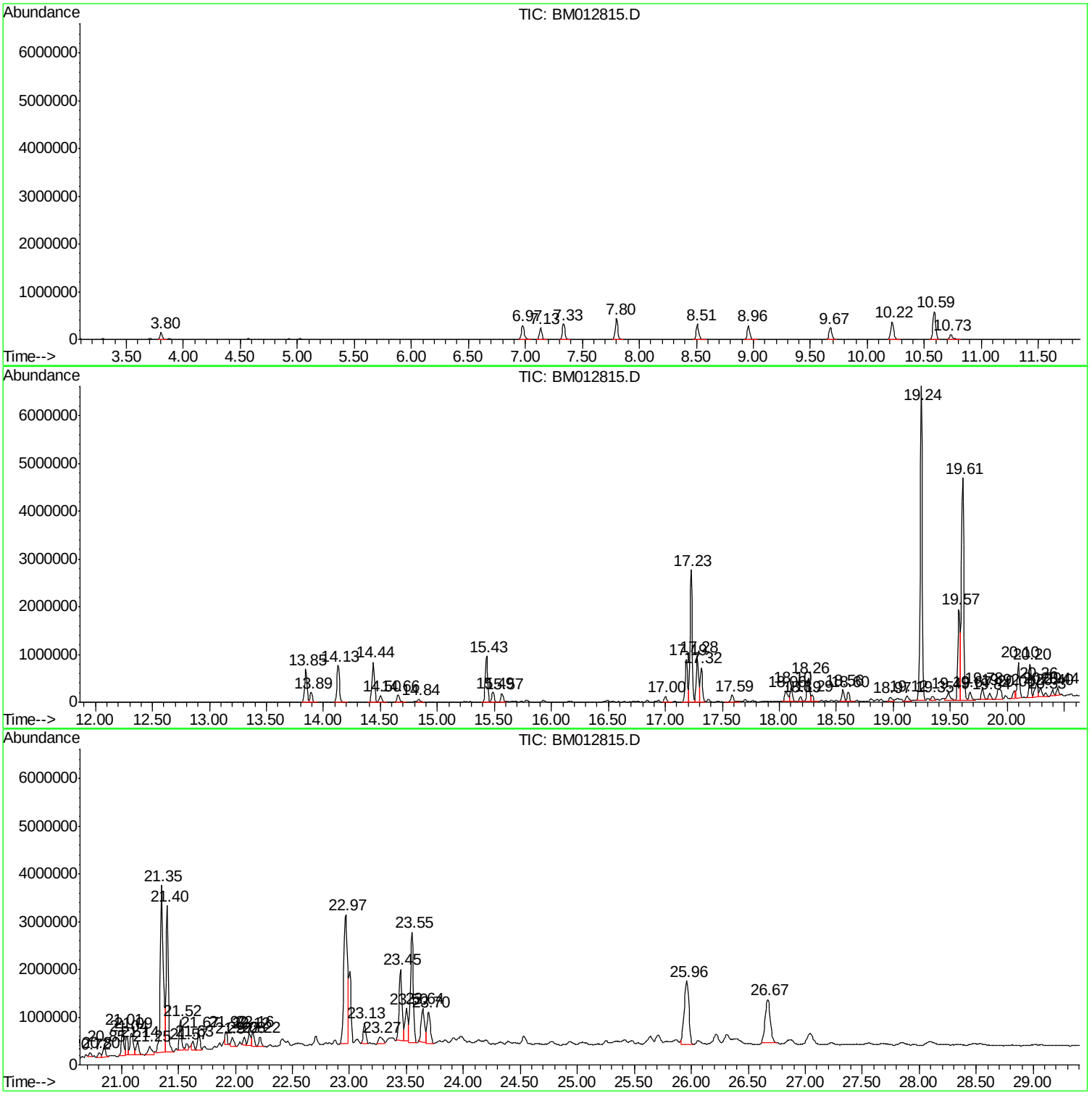
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ET0D1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

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Data File : BM012815.D
Acq On : 08 Nov 2017 11:34
Operator : SJ/JU
Sample : I6164-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ET0D1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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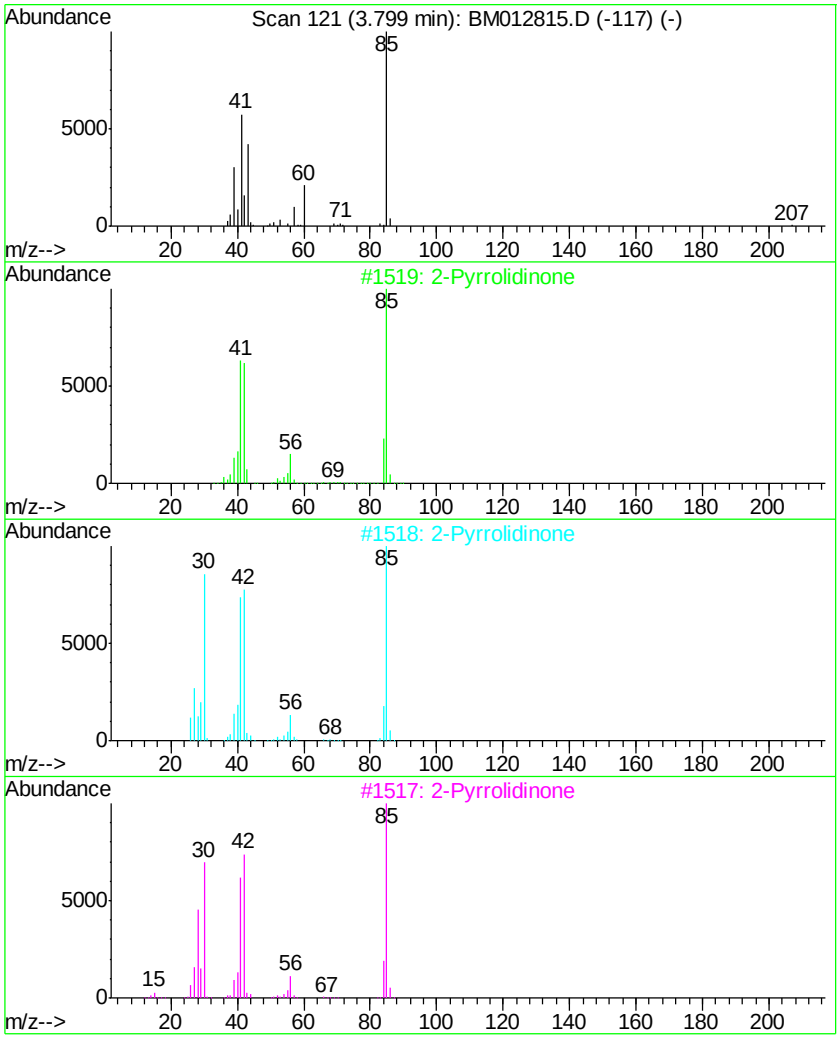
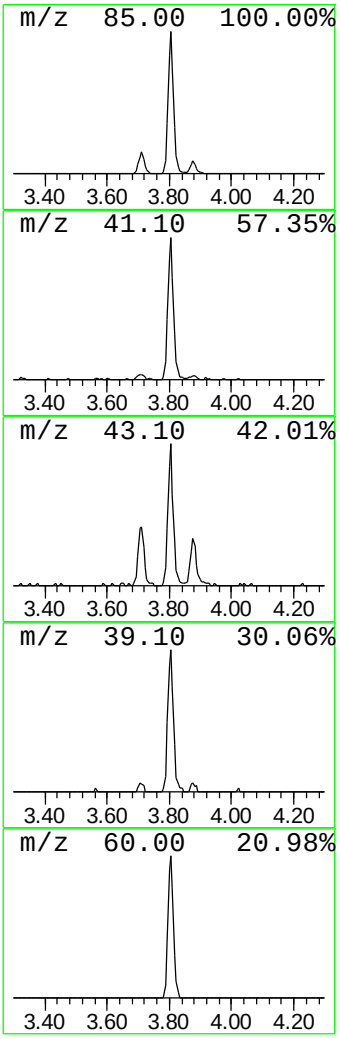
Peak Number 1 unknown-01 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.80	5.49 ng/ul	191539	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pyrrolidinone	85	C4H7NO	000616-45-5	42
2	2-Pyrrolidinone	85	C4H7NO	000616-45-5	40
3	2-Pyrrolidinone	85	C4H7NO	000616-45-5	9
4	2H-Pyran-2-methanol, tetrahydro-	116	C6H12O2	000100-72-1	9
5	Valeric acid, 3-tridecyl ester	284	C18H36O2	1000281-98-9	9





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012815.D
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Sample : I6164-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ET0D1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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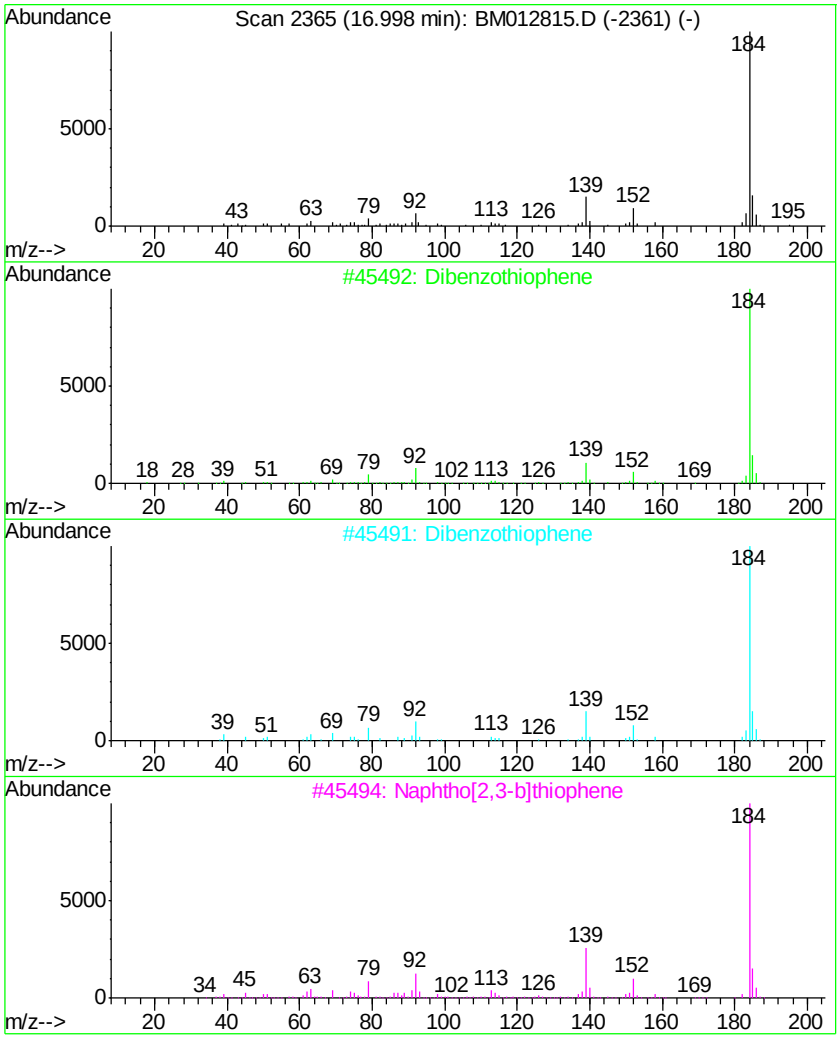
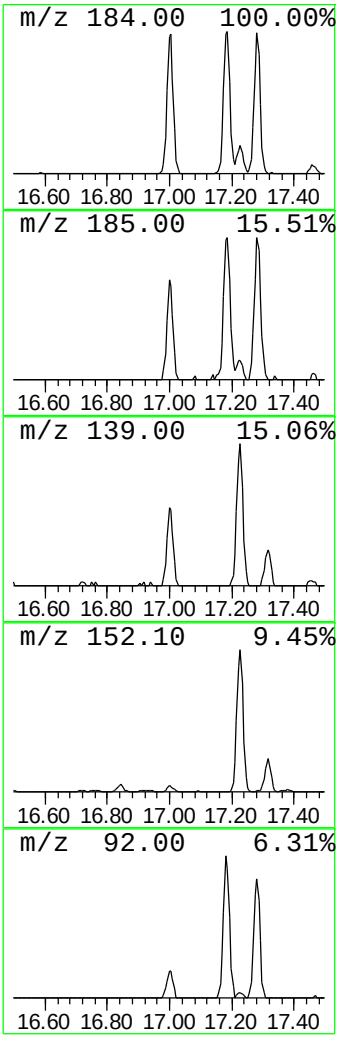
Peak Number 2 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.00	2.67 ng/ul	179643	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Dibenzothiophene	184	C12H8S	000132-65-0	95
5	Dibenzothiophene	184	C12H8S	000132-65-0	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012815.D
Acq On : 08 Nov 2017 11:34
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Sample : I6164-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ET0D1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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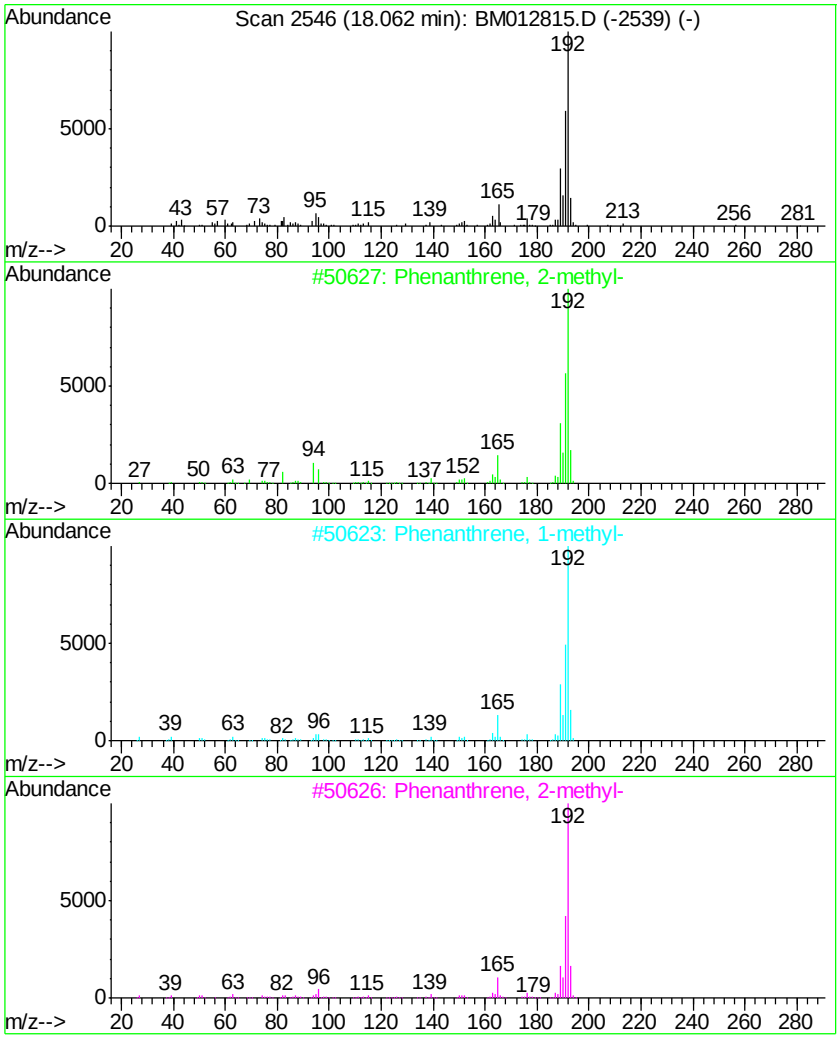
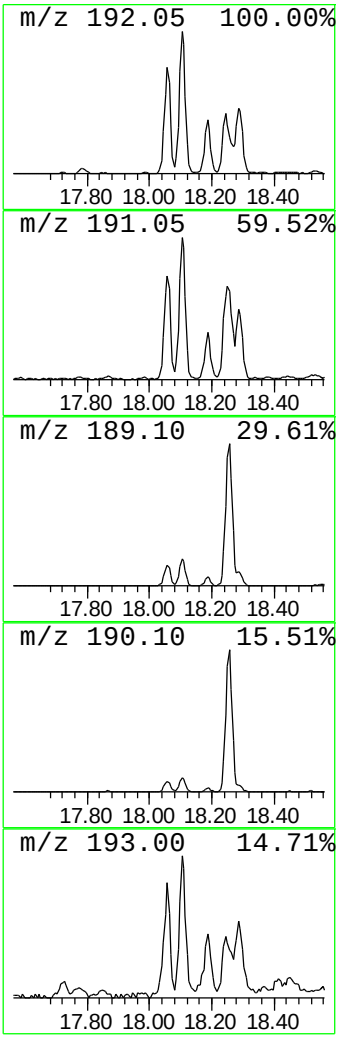
Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	6.14 ng/ul	412535	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





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Misc :
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Instrument : BNA_M
ClientSampleId : ET0D1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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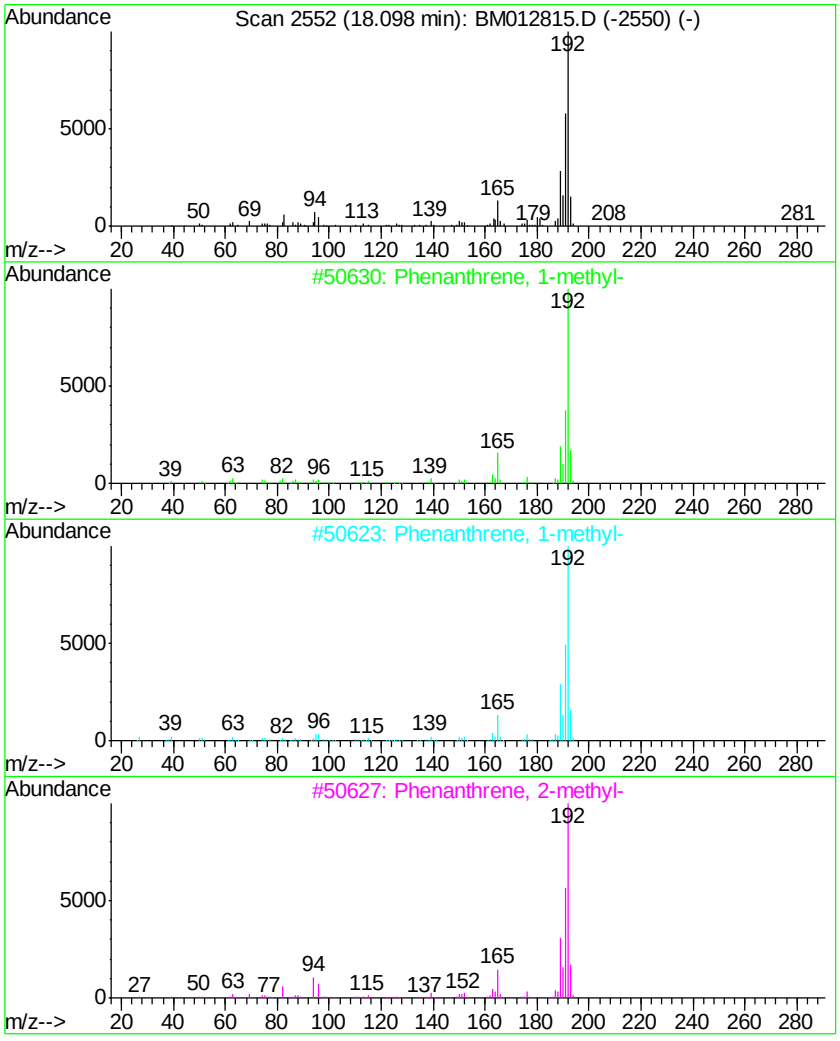
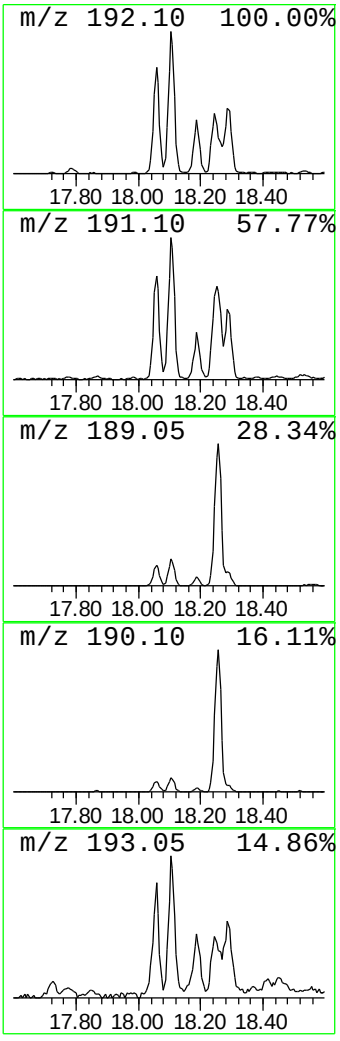
Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	6.24 ng/ul	419777	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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Operator : SJ/JU
Sample : I6164-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ET0D1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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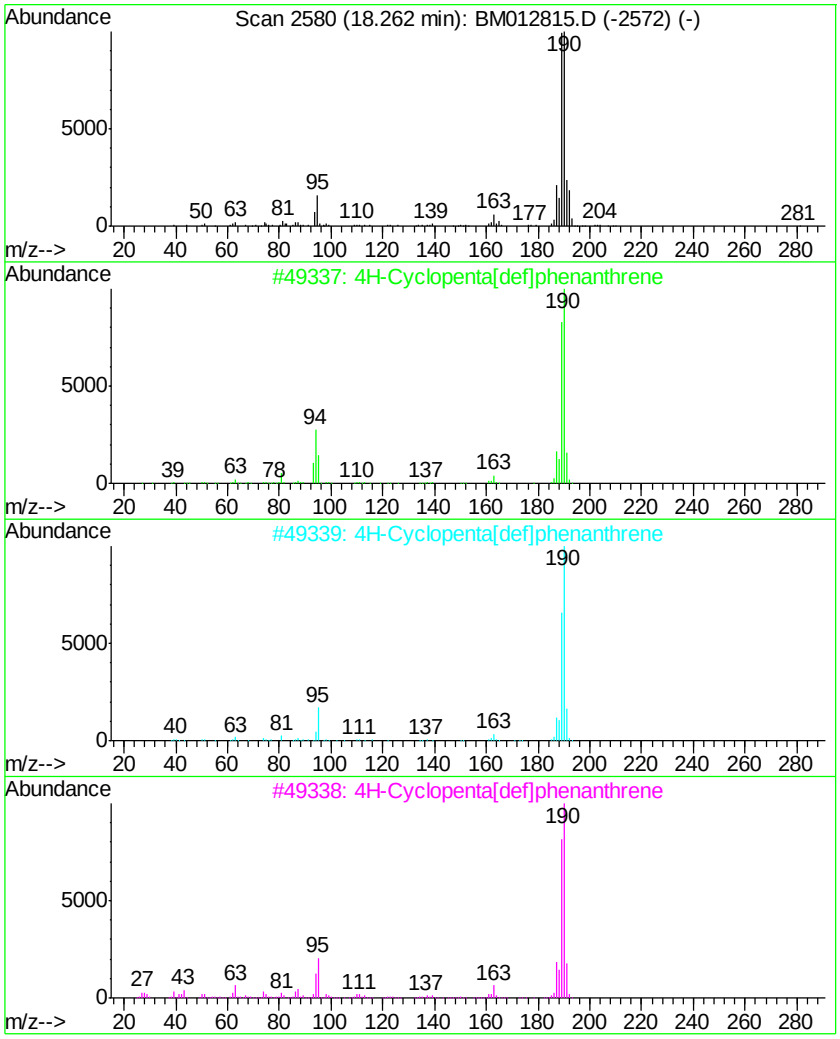
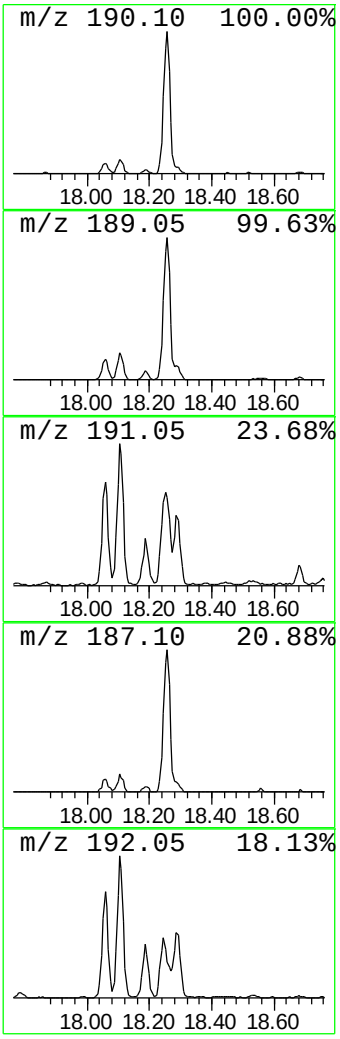
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	12.68 ng/ul	852397	Phenanthrene-d10	17.19

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	90
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	53
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012815.D
Acq On : 08 Nov 2017 11:34
Operator : SJ/JU
Sample : I6164-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ET0D1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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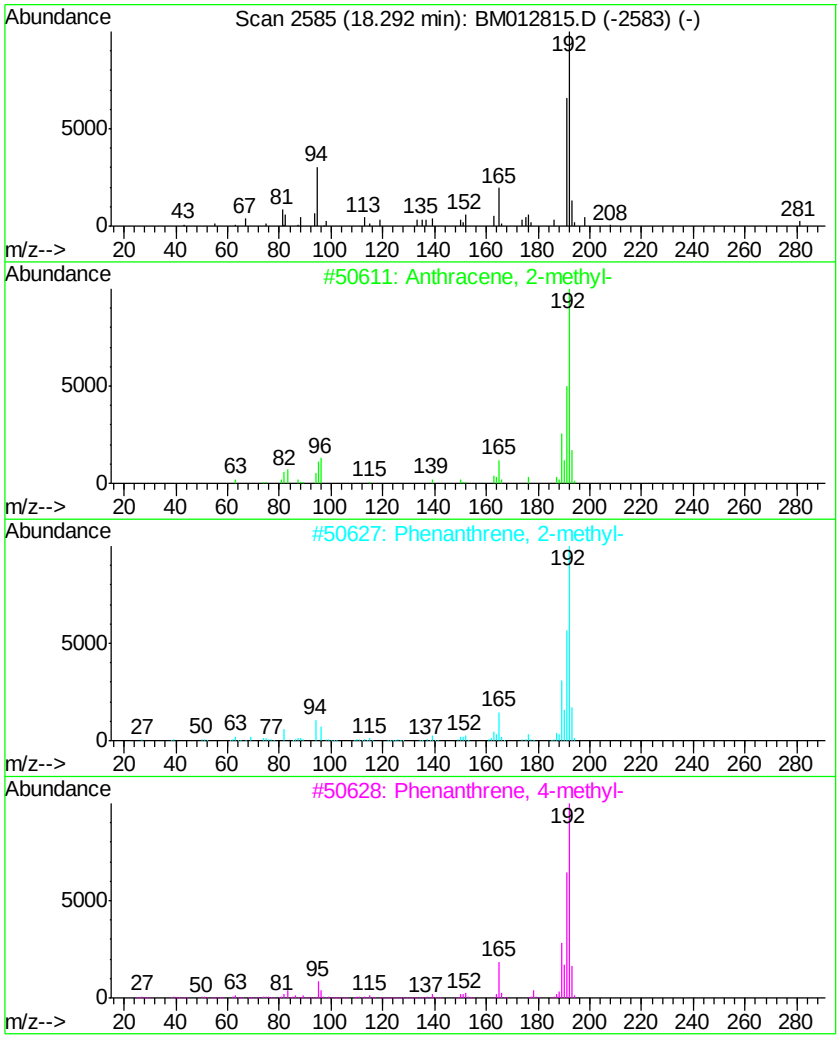
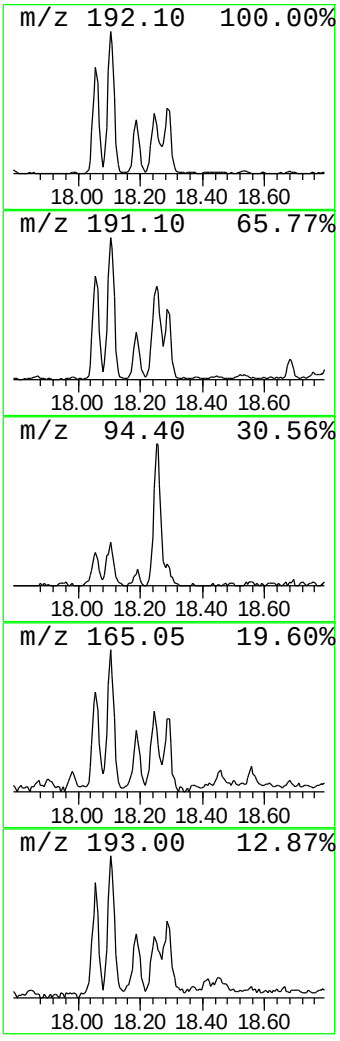
Peak Number 7 Anthracene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	2.20 ng/ul	147793	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	86
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86





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Acq On : 08 Nov 2017 11:34
Operator : SJ/JU
Sample : I6164-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ET0D1

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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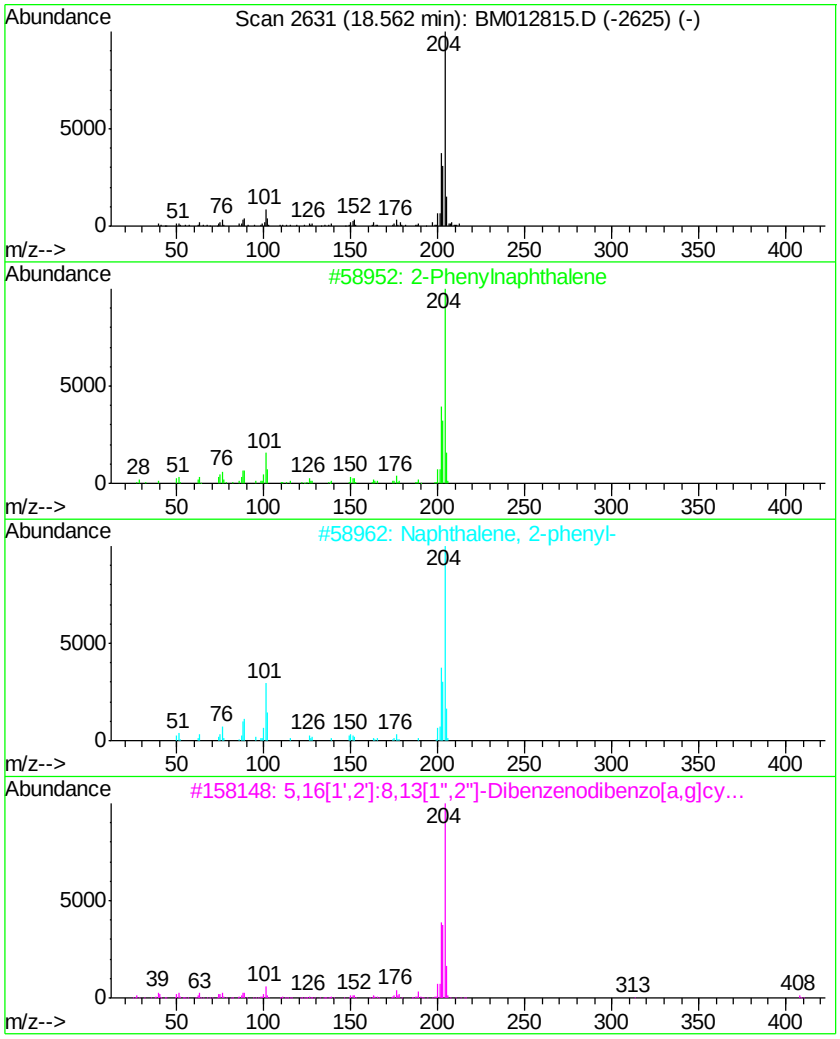
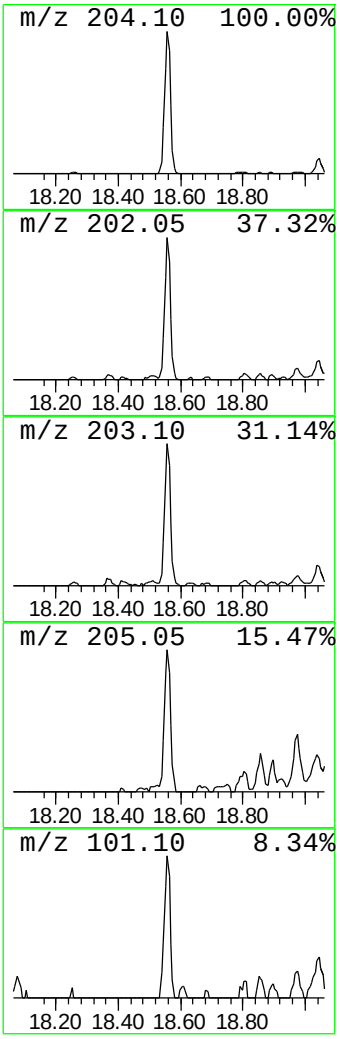
Peak Number 8 2-Phenylnaphthalene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	4.87 ng/ul	327432	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	94
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64





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ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ET0D1

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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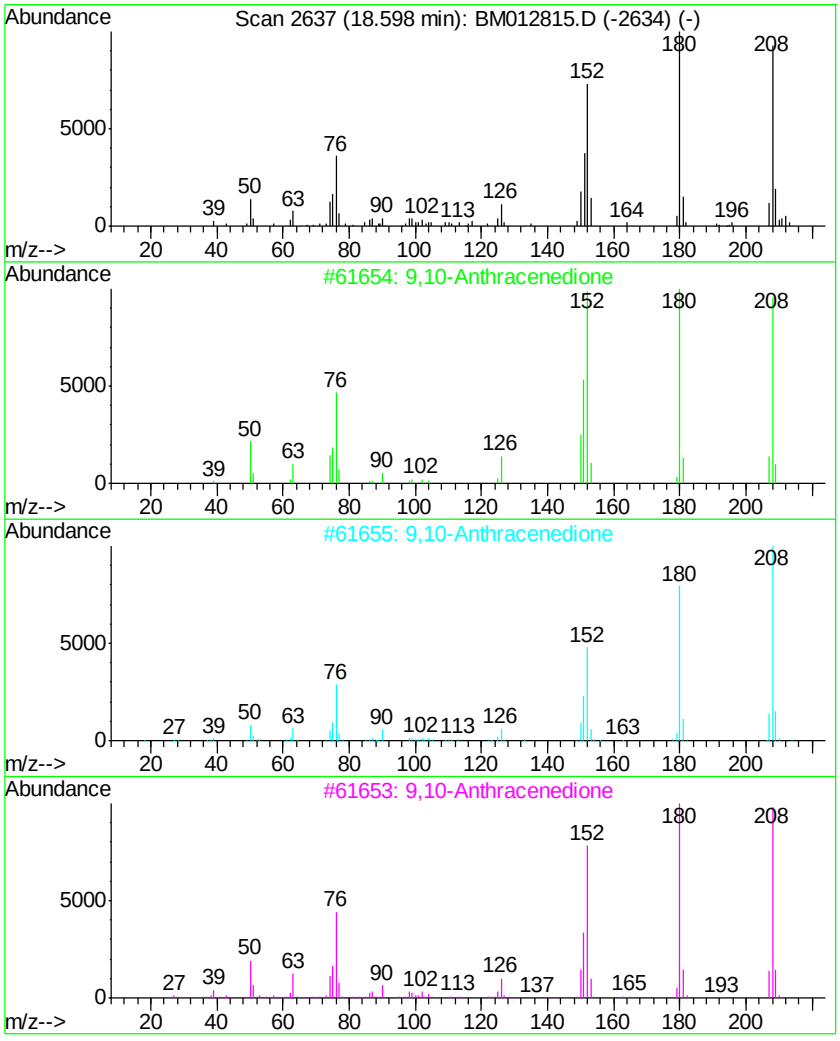
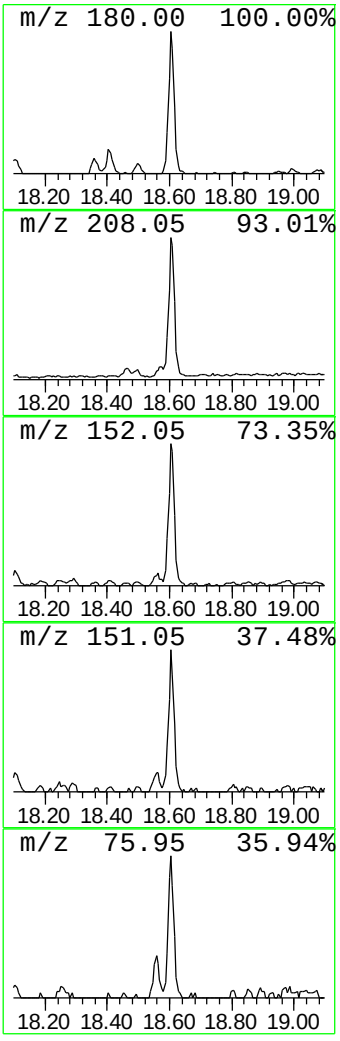
Peak Number 9 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.60	4.00 ng/ul	268855	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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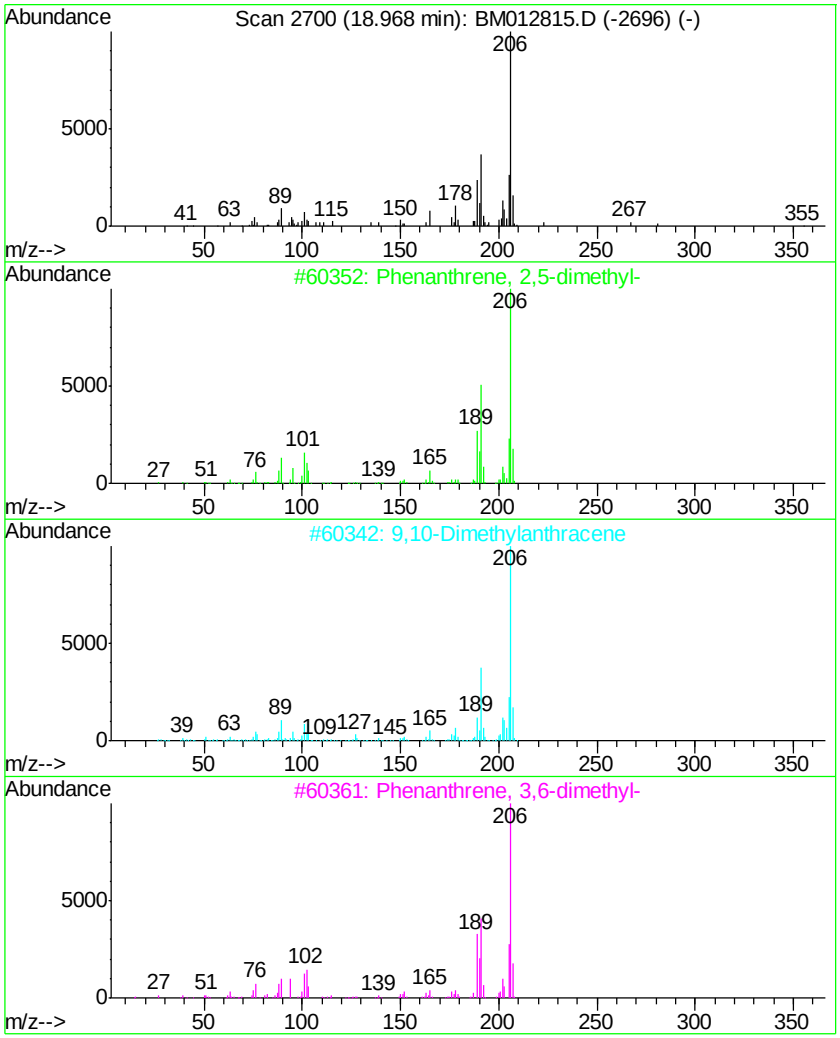
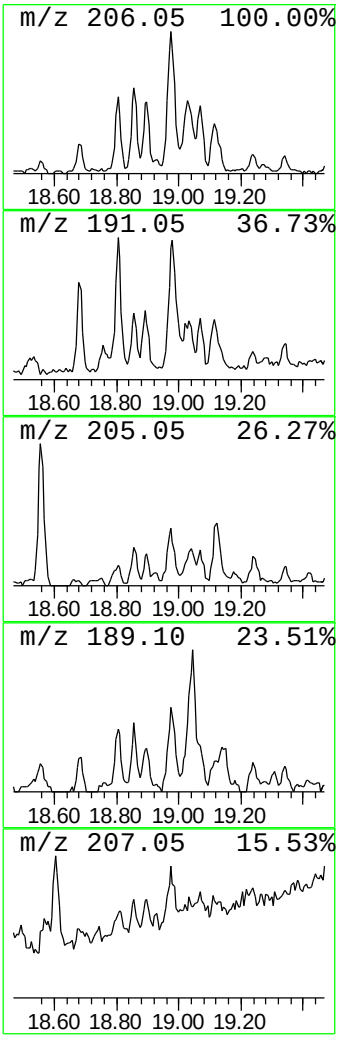
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	2.15 ng/ul	144746	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	86





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Sample : I6164-01
Misc :
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ClientSampleId : ET0D1

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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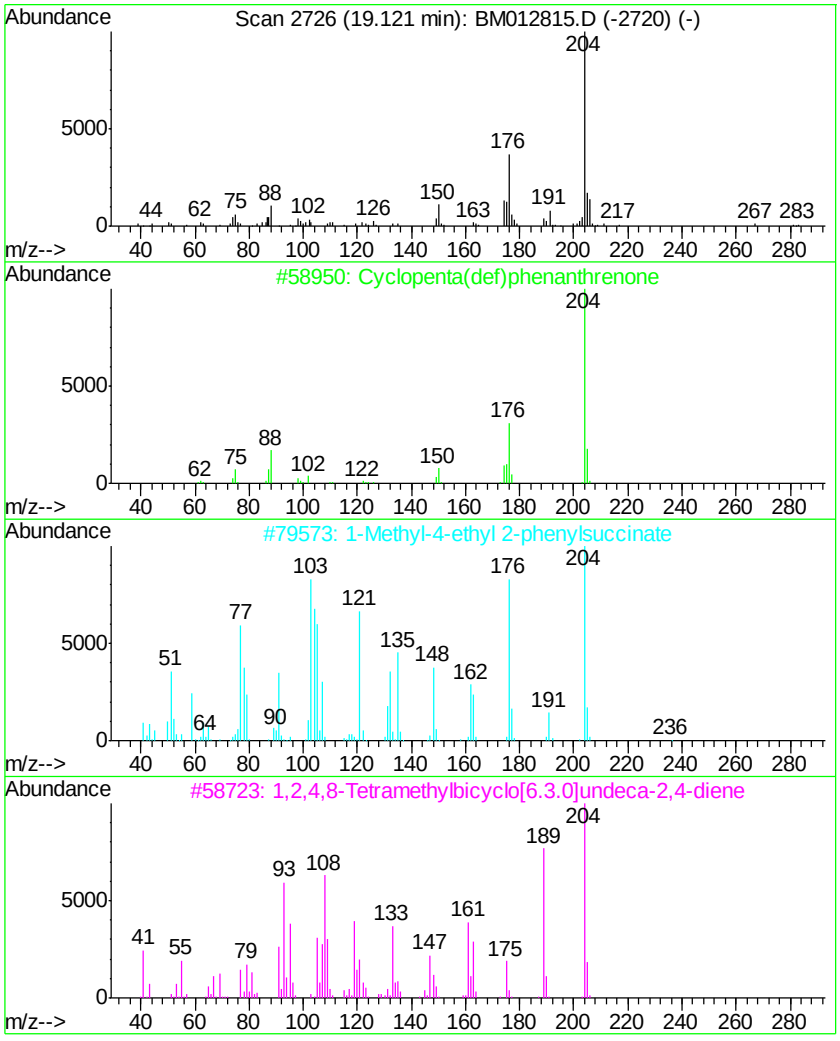
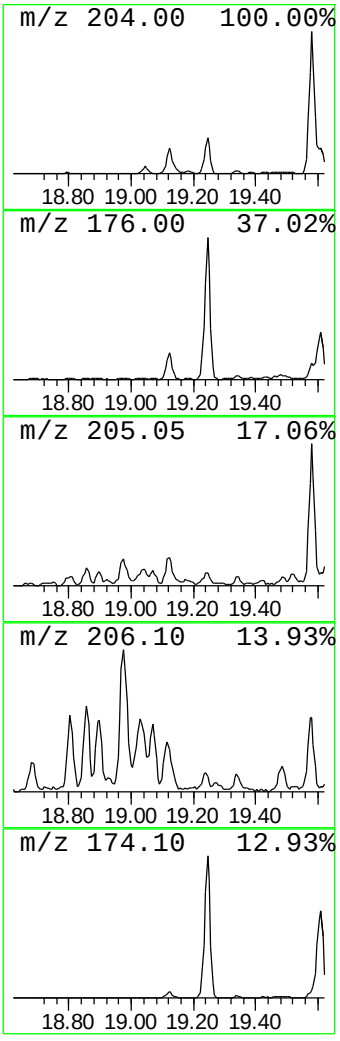
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.12	2.79 ng/ul	187397	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	1-Methyl-4-ethyl 2-phenylsuccinate	236	C13H16O4	132545-36-9	50
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
4	2-Methyl-5-nitroindole-3-carboxa...	204	C10H8N2O3	003558-17-6	43
5	Propanedinitrile, 2,2'-(2,5-cycl...	204	C12H4N4	001518-16-7	43





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ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ET0D1

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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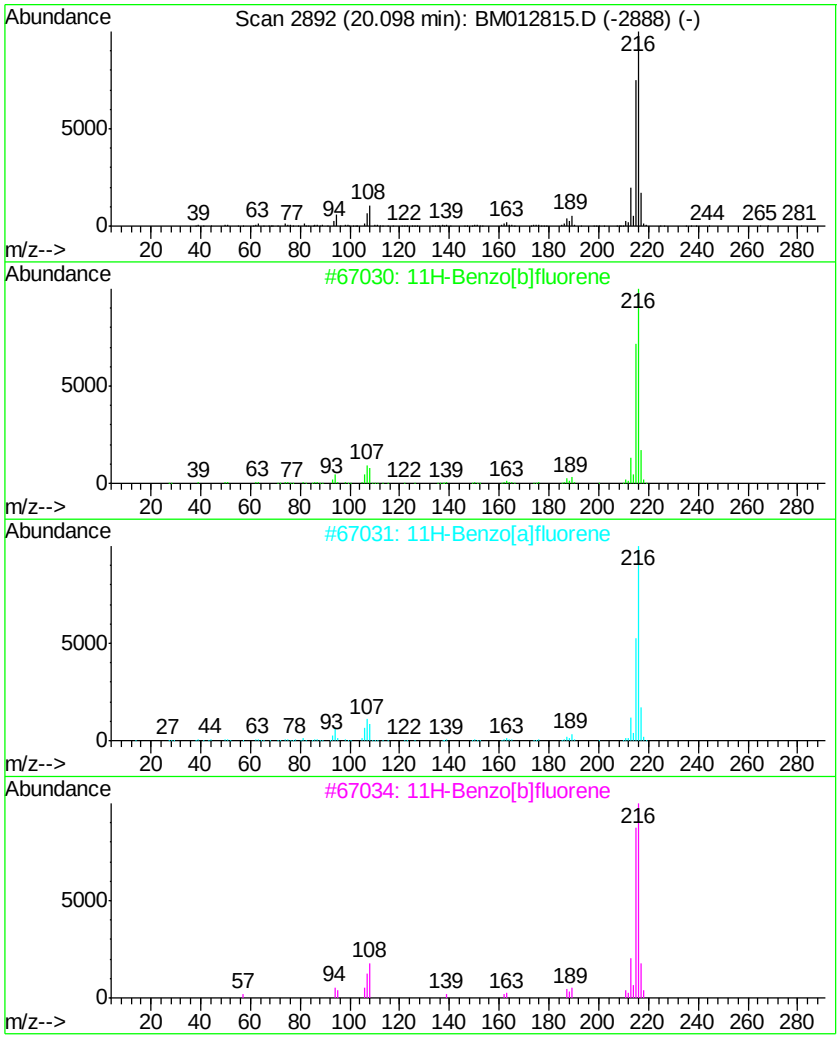
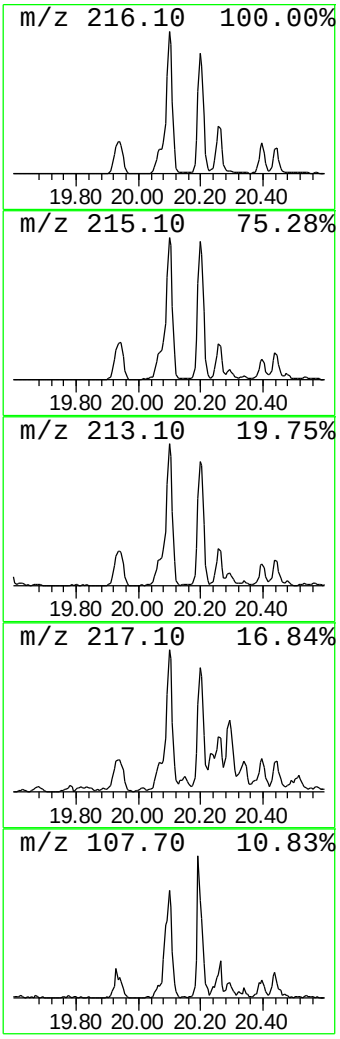
Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	3.12 ng/ul	1041430	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93





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ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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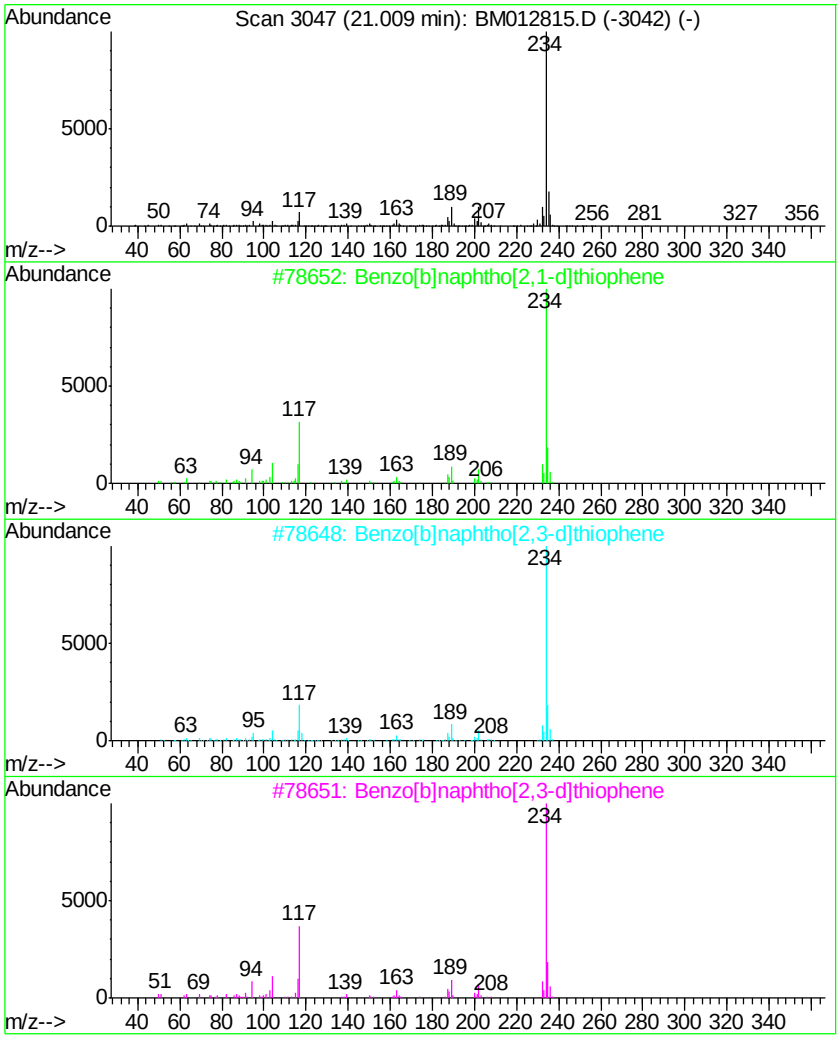
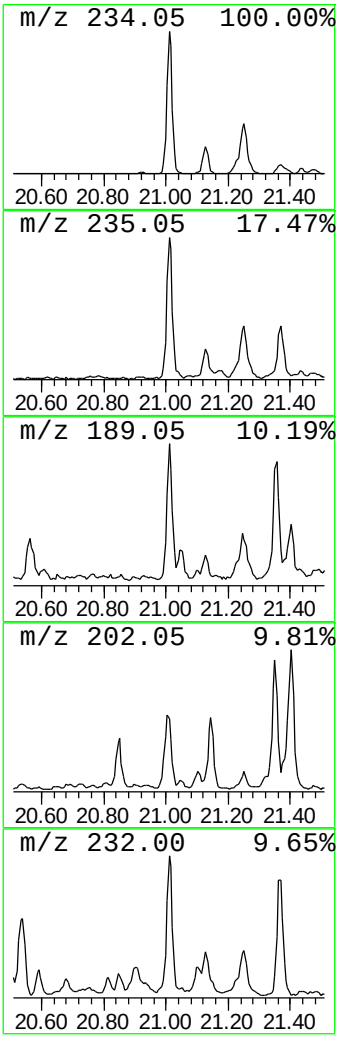
Peak Number 14 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.01	2.32 ng/ul	773888	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	93





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Sample : I6164-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ET0D1

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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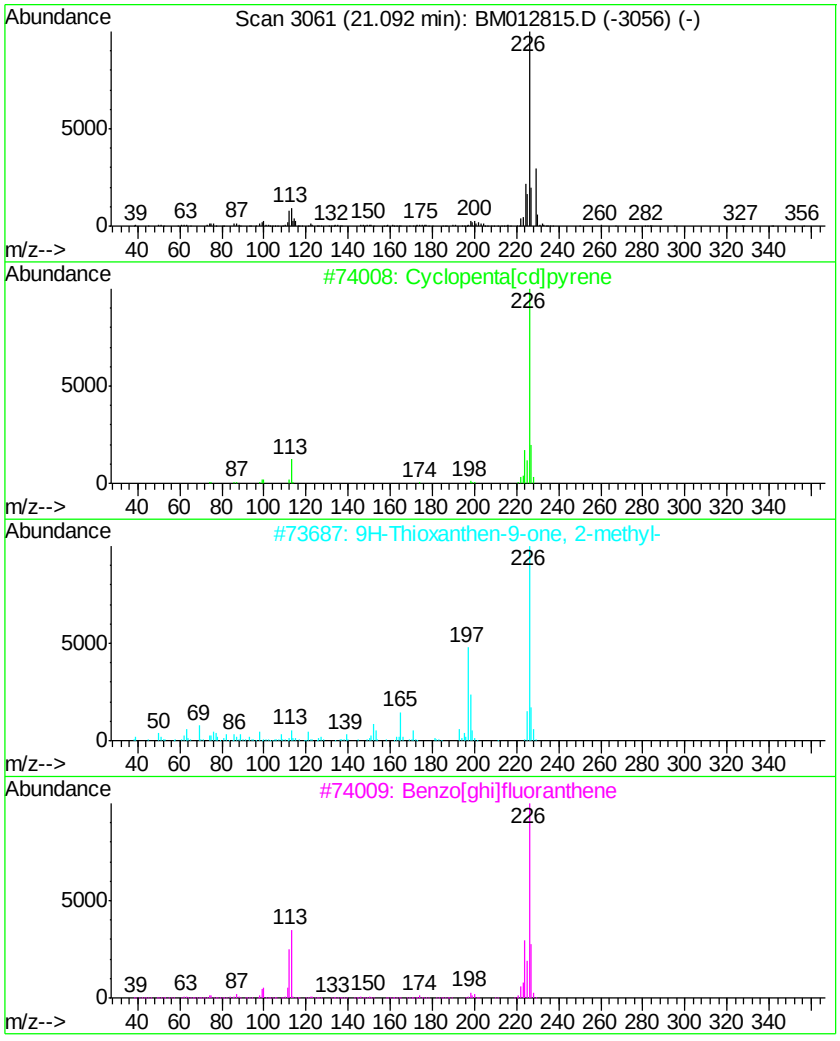
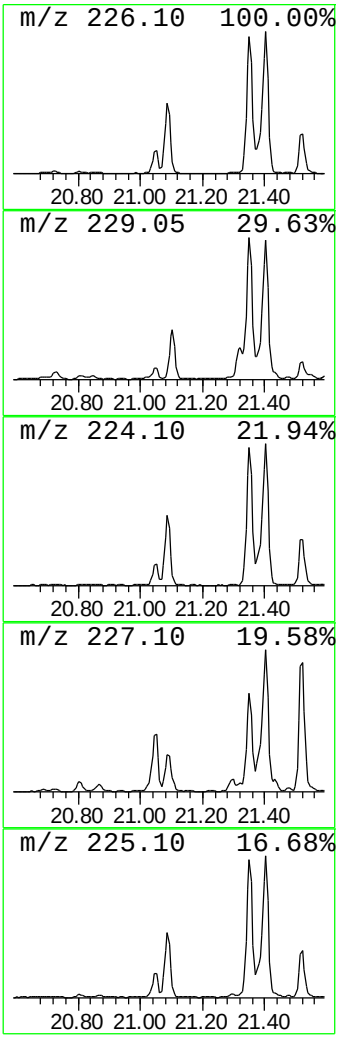
Peak Number 15 Cyclopenta[cd]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.09	2.55 ng/ul	849821	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	64
2	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	50
3	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	50
4	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	47
5	p-Anisaldehyde phenylhydrazone	226	C14H14N2O	000622-73-1	40





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ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ET0D1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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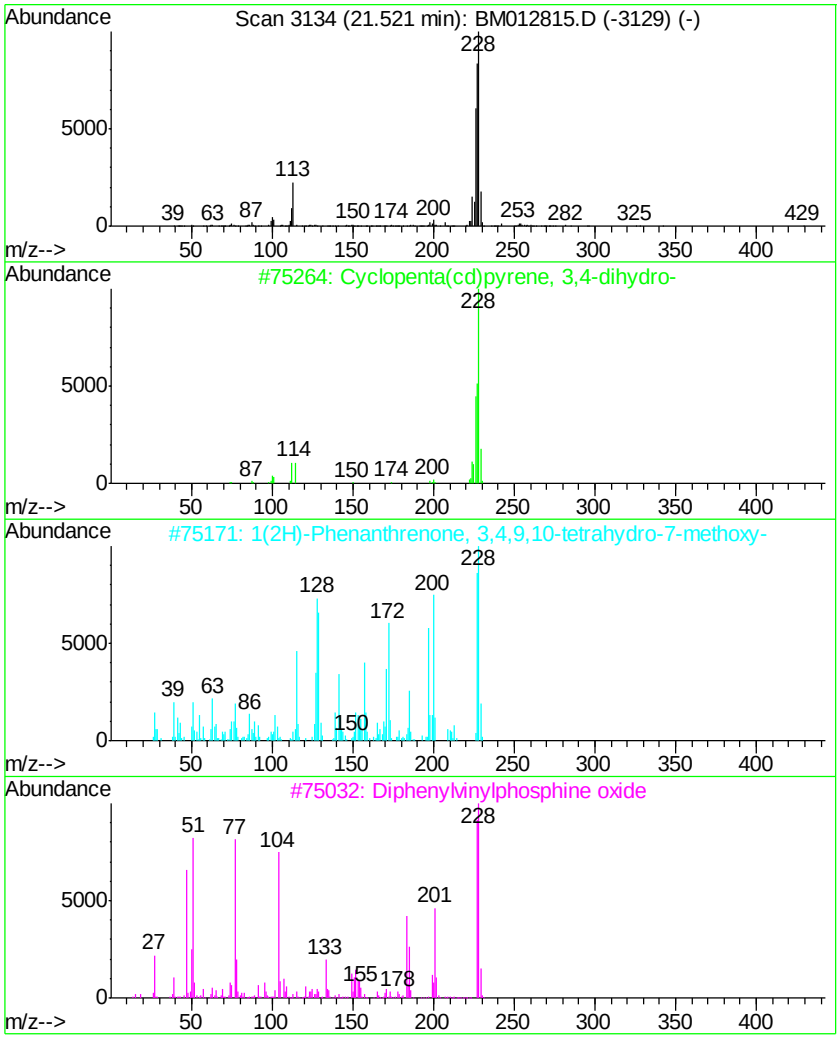
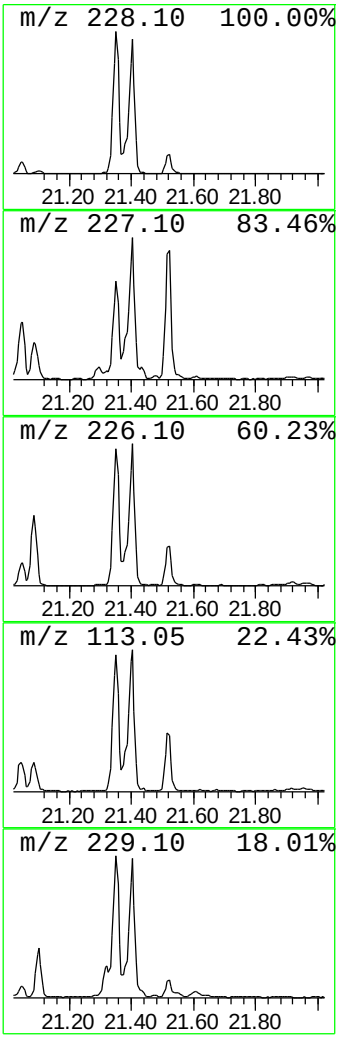
Peak Number 16 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.52	2.56 ng/ul	853133	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	95
2	1(2H)-Phenanthrenone, 3,4,9,10-t...	228	C15H16O2	014427-61-3	50
3	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	50
4	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	50
5	Benzo[c]phenanthrene	228	C18H12	000195-19-7	47





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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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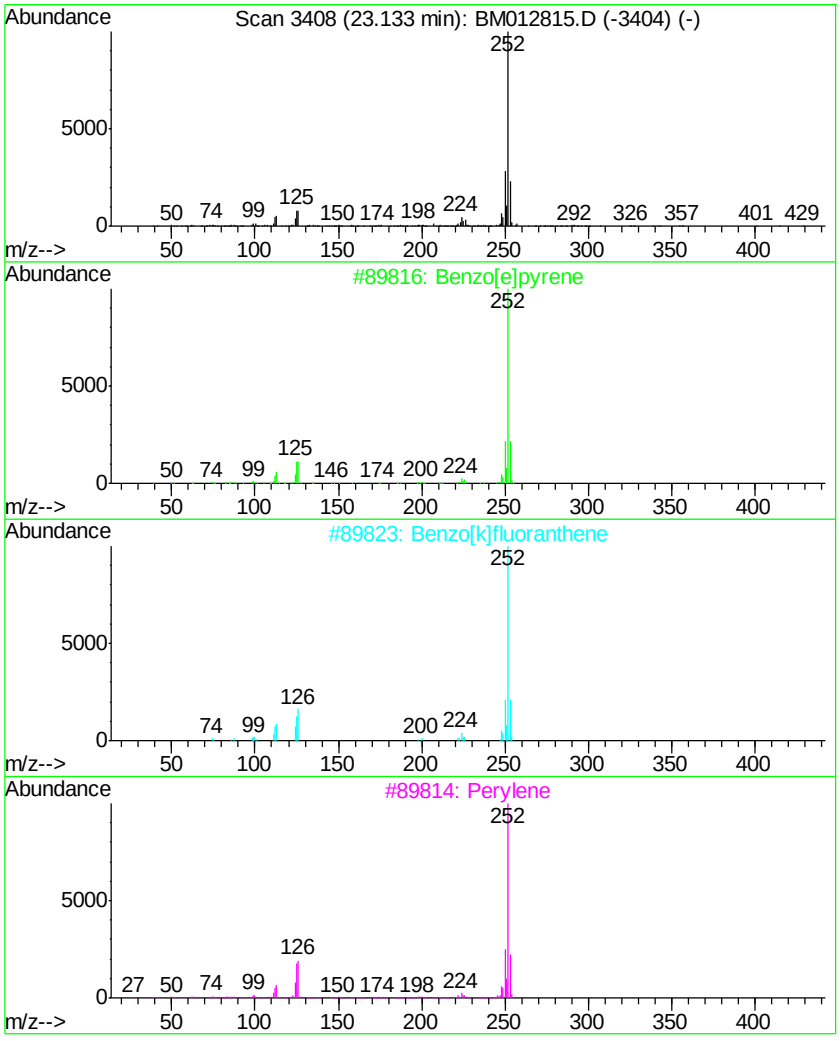
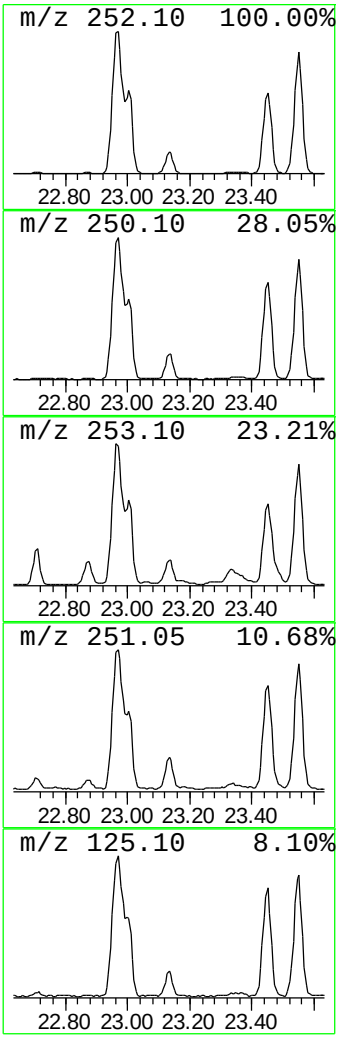
Peak Number 17 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.13	9.58 ng/ul	663888	Perylene-d12	23.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Perylene	252	C20H12	000198-55-0	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91





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Instrument : BNA_M
ClientSampleId : ET0D1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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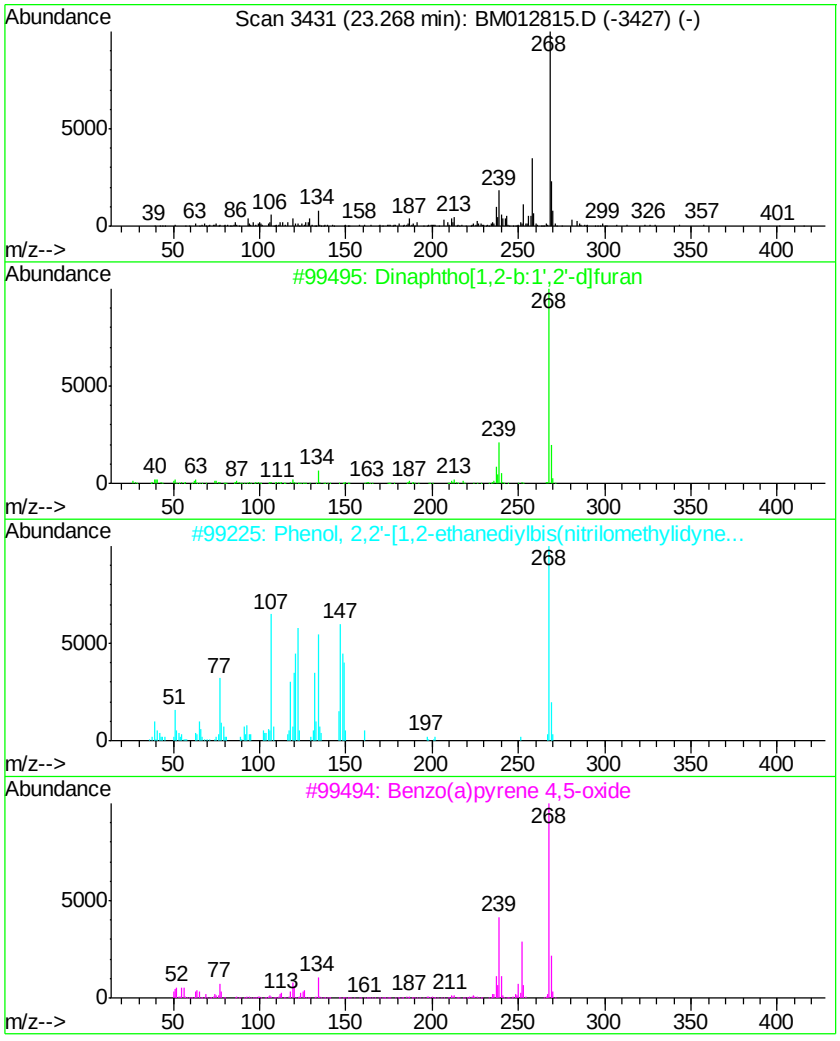
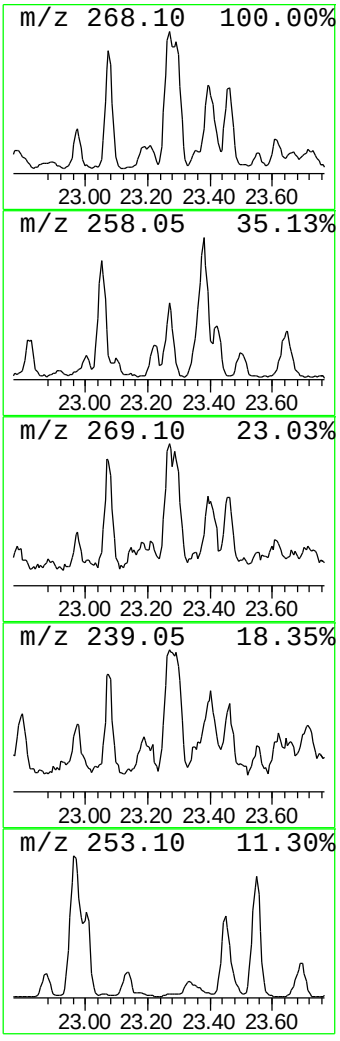
Peak Number 18 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.27	5.48 ng/ul	379923	Perylene-d12	23.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	76
2	Phenol, 2,2'-[1,2-ethanediylbis(...	268	C16H16N2O2	000094-93-9	60
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	59
4	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	58
5	4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	53





Tentatively Identified Compound (LSC) summary

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Data File : BM012815.D
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown-01	3.80	5.5	ng/ul	191539	1	7.80	697156	20.0
Dibenzothiophene	17.00	2.7	ng/ul	179643	4	17.19	1344830	20.0
Phenanthrene, 2-m...	18.06	6.1	ng/ul	412535	4	17.19	1344830	20.0
Phenanthrene, 1-m...	18.10	6.2	ng/ul	419777	4	17.19	1344830	20.0
4H-Cyclopenta[def...	18.26	12.7	ng/ul	852397	4	17.19	1344830	20.0
Anthracene, 2-met...	18.29	2.2	ng/ul	147793	4	17.19	1344830	20.0
2-Phenylnaphthalene	18.56	4.9	ng/ul	327432	4	17.19	1344830	20.0
9,10-Anthracenedione	18.60	4.0	ng/ul	268855	4	17.19	1344830	20.0
Phenanthrene, 2,5...	18.97	2.1	ng/ul	144746	4	17.19	1344830	20.0
Cyclopenta(def)ph...	19.12	2.8	ng/ul	187397	4	17.19	1344830	20.0
11H-Benzo[b]fluorene	20.10	3.1	ng/ul	1041430	5	21.36	6675890	20.0
Benzo[b]naphtho[2...	21.01	2.3	ng/ul	773888	5	21.36	6675890	20.0
Cyclopenta[cd]pyrene	21.09	2.5	ng/ul	849821	5	21.36	6675890	20.0
Cyclopenta(cd)pyr...	21.52	2.6	ng/ul	853133	5	21.36	6675890	20.0
Benzo[e]pyrene	23.13	9.6	ng/ul	663888	6	23.64	1386690	20.0
Dinaphtho[1,2-b:1...	23.27	5.5	ng/ul	379923	6	23.64	1386690	20.0