LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012816.D
Acq On : 08 Nov 2017 12:10
Operator : SJ/JU
Sample : I6164-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ET0D0

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	3.799	116	121	130	rBV	110117	143902	1.81%	0.165%
2	6.975	655	661	673	rBV2	313793	573597	7.22%	0.657%
3	7.134	682	688	697	rBV	264783	396794	5.00%	0.455%
4	7.334	716	722	732	rBV	356801	558579	7.03%	0.640%
5	7.798	795	801	809	rBV	414650	628921	7.92%	0.721%
6	8.510	915	922	936	rBV	336046	565017	7.11%	0.648%
7	8.957	991	998	1007	rBV	317392	514049	6.47%	0.589%
8	9.675	1114	1120	1132	rBB	270082	442507	5.57%	0.507%
9	10.216	1205	1212	1220	rBV	413311	699359	8.81%	0.802%
10	10.298	1220	1226	1242	rVB	85818	168415	2.12%	0.193%
11	10.586	1266	1275	1282	rBV	530533	857685	10.80%	0.983%
12	10.728	1293	1299	1304	rBV	126166	237863	3.00%	0.273%
13	10.775	1304	1307	1321	rVB	58843	108221	1.36%	0.124%
14	13.845	1823	1829	1833	rBV	749721	1018235	12.82%	1.167%
15	13.892	1833	1837	1846	rVB	424473	557997	7.03%	0.640%
16	14.127	1868	1877	1890	rBV	866472	1253330	15.78%	1.436%
17	14.439	1922	1930	1936	rBV2	698079	1095107	13.79%	1.255%
18	14.498	1936	1940	1947	rVB2	99858	141256	1.78%	0.162%
19	14.651	1961	1966	1977	rBV	175115	304806	3.84%	0.349%
20	15.233	2060	2065	2072	rBV	220782	276149	3.48%	0.317%
21	15.427	2092	2098	2104	rBV	1062955	1542553	19.42%	1.768%
22	15.486	2104	2108	2116	rVB2	158732	220976	2.78%	0.253%
23	15.563	2116	2121	2127	rBV	173589	258912	3.26%	0.297%
24	15.792	2154	2160	2167	rVB2	100613	166435	2.10%	0.191%
25	16.386	2253	2261	2270	rBV3	100124	219962	2.77%	0.252%
26	16.998	2361	2365	2374	rVB	104174	150707	1.90%	0.173%
27	17.180	2386	2396	2400	rBV2	852561	1323454	16.66%	1.517%
28	17.227	2400	2404	2408	rVV	2226472	3141916	39.56%	3.601%
29	17.280	2408	2413	2416	rVV	1175451	1645764	20.72%	1.886%
30	17.315	2416	2419	2424	rVV	555121	739085	9.31%	0.847%
31	17.586	2453	2465	2469	rBV	155541	242305	3.05%	0.278%
32	18.074	2540	2548	2550	rBV2	232829	507585	6.39%	0.582%
33	18.104	2550	2553	2559	rVV	271960	382753	4.82%	0.439%
34	18.186	2562	2567	2572	rVV	83949	117475	1.48%	0.135%

LSC Area Percent Report

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Data File : BM012816.D
Acq On : 08 Nov 2017 12:10
Operator : SJ/JU
Sample : I6164-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ET0D0

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	18.257	2572	2579	2582	rVV2	432340	722831	9.10%	0.828%
36	18.286	2582	2584	2592	rVB	121325	153885	1.94%	0.176%
37	18.557	2625	2630	2634	rBV	224858	301202	3.79%	0.345%
38	18.604	2634	2638	2645	rVB	243486	329179	4.14%	0.377%
39	18.974	2696	2701	2707	rBV2	68290	139490	1.76%	0.160%
40	19.121	2721	2726	2734	rBV2	112647	197470	2.49%	0.226%
41	19.245	2739	2747	2753	rVV	6098484	7941736	100.00%	9.102%
42	19.351	2760	2765	2769	rBV2	115833	205456	2.59%	0.235%
43	19.480	2784	2787	2792	rVB	116561	170784	2.15%	0.196%
44	19.574	2797	2803	2805	rBV3	2217623	3074987	38.72%	3.524%
45	19.604	2805	2808	2816	rVV	4334414	6041017	76.07%	6.924%
46	19.674	2816	2820	2826	rVB2	156838	234091	2.95%	0.268%
47	19.780	2834	2838	2842	rBV	234810	323939	4.08%	0.371%
48	19.845	2845	2849	2855	rVV	171716	344177	4.33%	0.394%
49	19.921	2857	2862	2869	rVV3	239668	643213	8.10%	0.737%
50	19.980	2870	2872	2880	rVB	86249	107906	1.36%	0.124%
51	20.062	2881	2886	2888	rBV4	149455	251104	3.16%	0.288%
52	20.098	2888	2892	2897	rVB	702059	942765	11.87%	1.081%
53	20.198	2904	2909	2913	rBV	617861	775003	9.76%	0.888%
54	20.256	2913	2919	2922	rBV2	249259	433618	5.46%	0.497%
55	20.292	2922	2925	2929	rVB	183644	212931	2.68%	0.244%
56	20.333	2929	2932	2936	rBV	73437	114012	1.44%	0.131%
57	20.398	2939	2943	2946	rBV	150782	221940	2.79%	0.254%
58	20.439	2947	2950	2954	rBV	157707	211356	2.66%	0.242%
59	20.803	3009	3012	3016	rBV3	71188	109951	1.38%	0.126%
60	20.845	3016	3019	3026	rVB	259766	344677	4.34%	0.395%
61	21.009	3042	3047	3050	rBV	553551	765952	9.64%	0.878%
62	21.045	3050	3053	3056	rVV	406600	538032	6.77%	0.617%
63	21.092	3056	3061	3065	rVV2	474254	943516	11.88%	1.081%
64	21.145	3066	3070	3075	rVB2	320552	483383	6.09%	0.554%
65	21.351	3097	3105	3110	rBV3	3470306	6330766	79.72%	7.256%
66	21.403	3110	3114	3123	rVB	2950762	4004382	50.42%	4.590%
67	21.521	3130	3134	3139	rBV	665888	835862	10.52%	0.958%
68	21.574	3140	3143	3147	rBV3	112414	162245	2.04%	0.186%
69	21.674	3156	3160	3165	rBV2	358649	571907	7.20%	0.655%
70	22.121	3233	3236	3238	rBV	238670	290359	3.66%	0.333%
71	22.156	3239	3242	3246	rVV	332829	437371	5.51%	0.501%

LSC Area Percent Report

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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ET0D0

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	22.215	3249	3252	3263	rVB3	274115	509237	6.41%	0.584%
73	22.968	3373	3380	3384	rBV	2735905	6323232	79.62%	7.247%
74	23.133	3404	3408	3414	rVB	426937	688776	8.67%	0.789%
75	23.450	3456	3462	3467	rBV	1543647	2933665	36.94%	3.362%
76	23.503	3467	3471	3474	rVV2	1044095	1803575	22.71%	2.067%
77	23.550	3474	3479	3486	rVV	2281140	4216943	53.10%	4.833%
78	23.644	3490	3495	3500	rVV	802909	1637102	20.61%	1.876%
79	23.697	3500	3504	3512	rVB	685770	1326375	16.70%	1.520%
80	25.962	3881	3889	3899	rVB	1393834	4005738	50.44%	4.591%
81	26.674	4003	4010	4021	rVB	907864	2690577	33.88%	3.084%

Sum of corrected areas: 87249386

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Misc :
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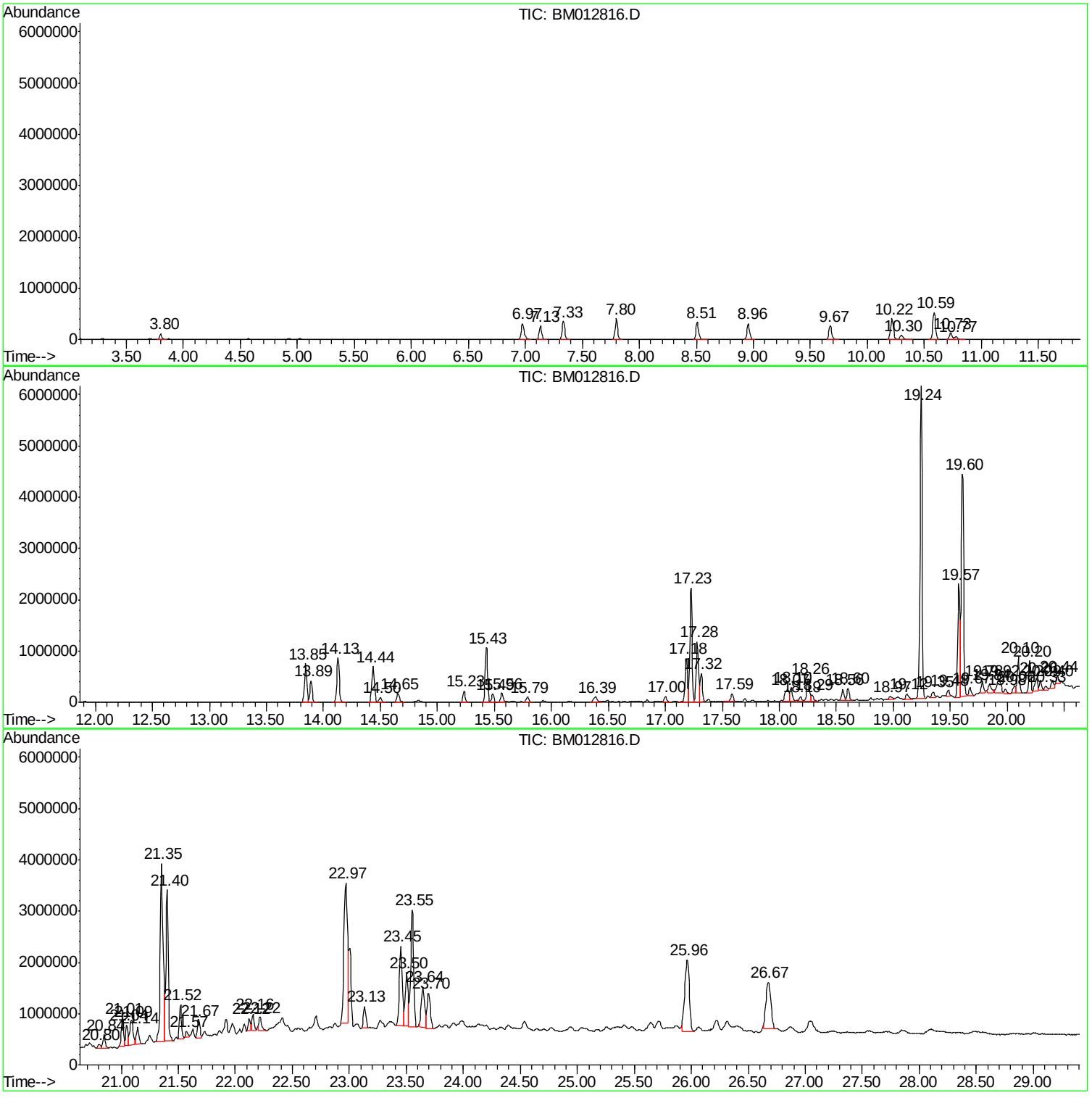
Instrument : BNA_M
ClientSampleId : ET0D0

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012816.D
Acq On : 08 Nov 2017 12:10
Operator : SJ/JU
Sample : I6164-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ET0D0

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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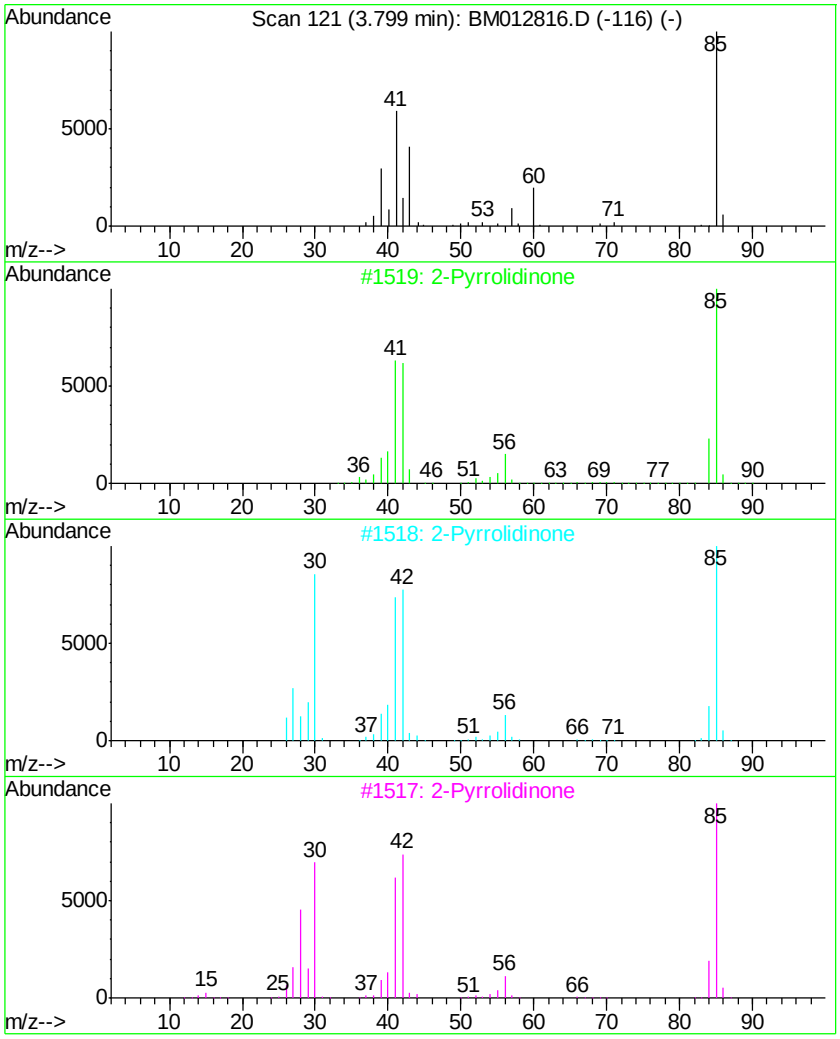
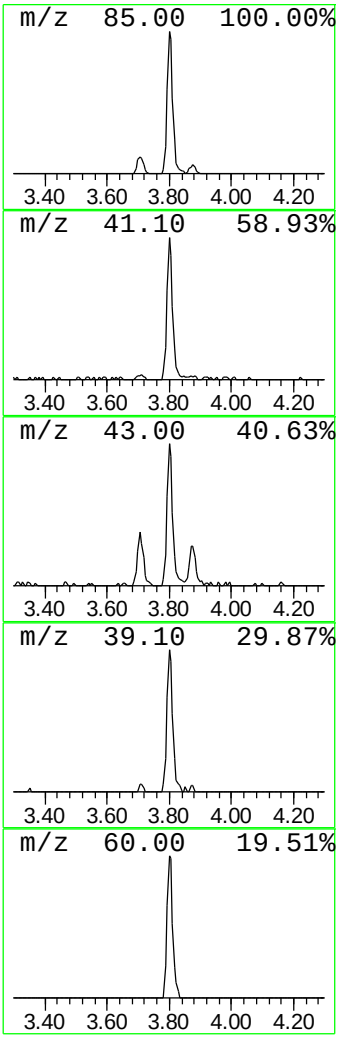
Peak Number 1 unknown-01 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.80	4.58 ng/ul	143902	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	40
4	Isobutyl nitrite	103	C4H9NO2	000542-56-3	9
5	1-Amino-2-butanol	89	C4H11NO	013552-21-1	9





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
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Acq On : 08 Nov 2017 12:10
Operator : SJ/JU
Sample : I6164-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ET0D0

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

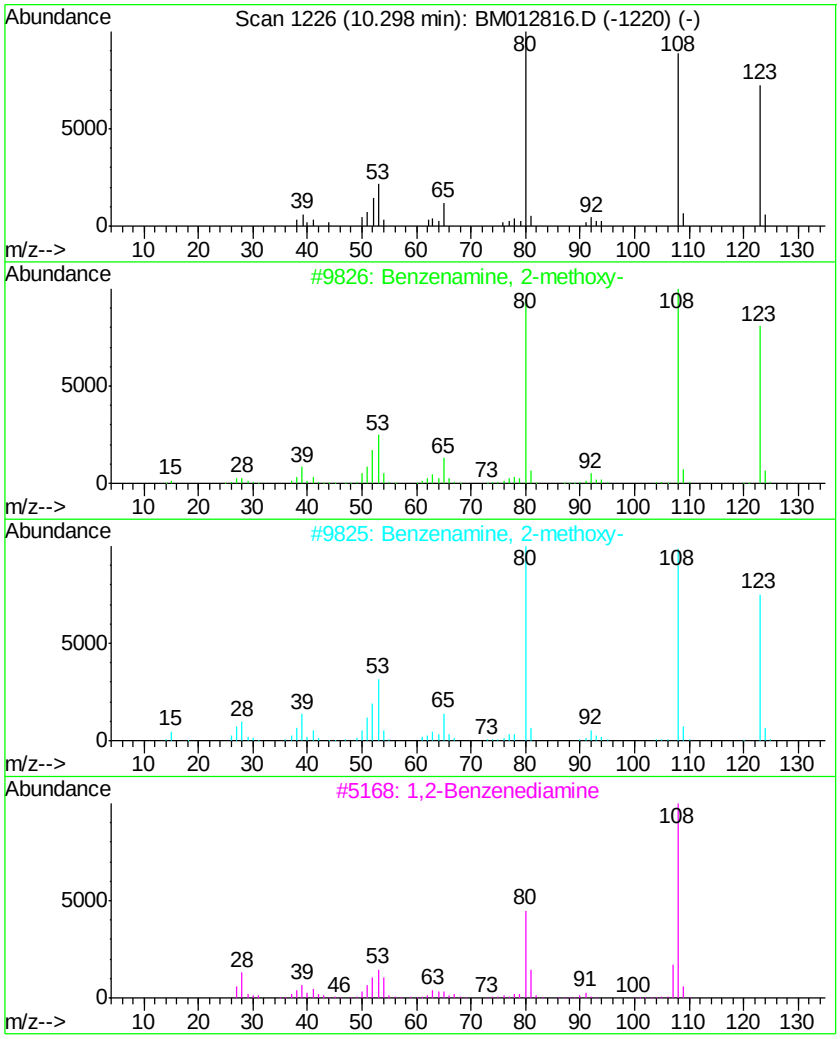
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

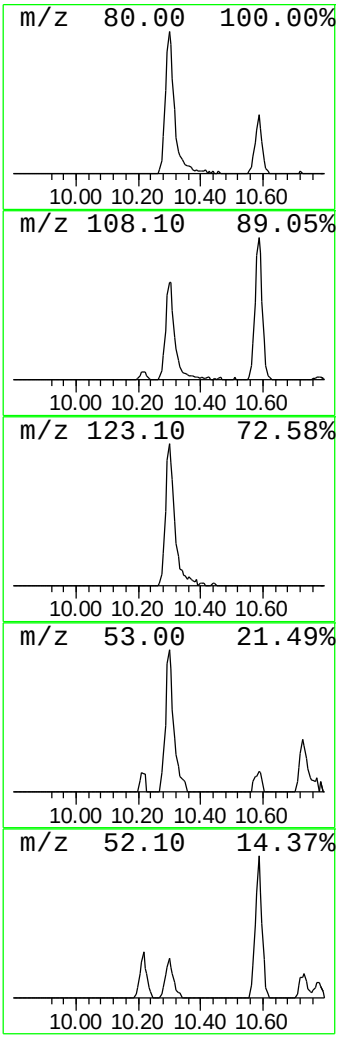
****

Peak Number 2 Benzenamine, 2-methoxy- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.30	3.93 ng/ul	168415	Naphthalene-d8	10.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 2-methoxy-	123	C7H9NO	000090-04-0	96
2	Benzenamine, 2-methoxy-	123	C7H9NO	000090-04-0	83
3	1,2-Benzenediamine	108	C6H8N2	000095-54-5	72
4	1,2-Benzenediamine	108	C6H8N2	000095-54-5	72
5	2-Pyridinamine, 3-methyl-	108	C6H8N2	001603-40-3	72





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ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ET0D0

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

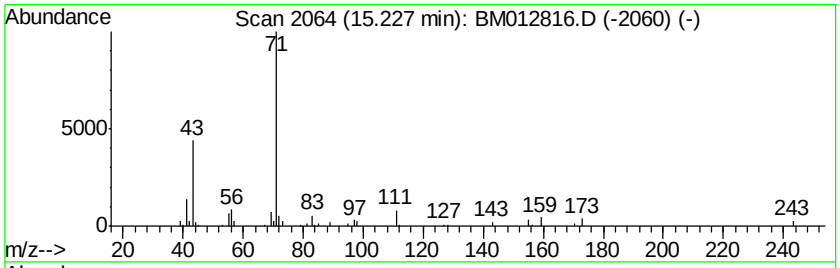
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

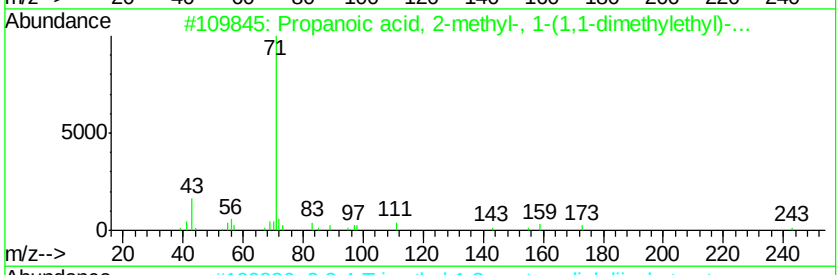
****

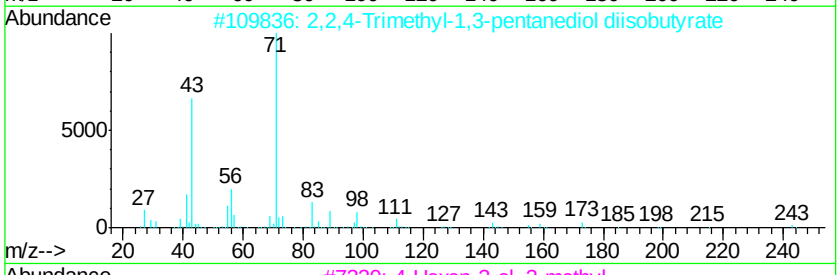
Peak Number 3 Propanoic acid, 2-methyl-, ... Concentration Rank 7

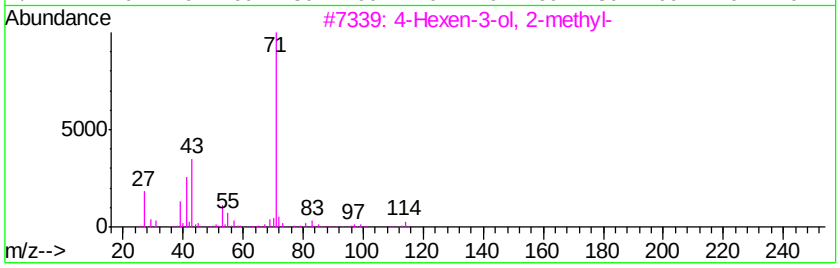
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.23	5.04 ng/ul	276149	Acenaphthene-d10	14.43

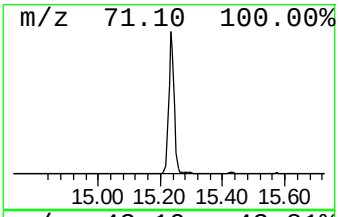
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-methyl-, 1-(1,...	286	C16H30O4	074381-40-1	78
2	2,2,4-Trimethyl-1,3-pentanediol ...	286	C16H30O4	006846-50-0	64
3	4-Hexen-3-ol, 2-methyl-	114	C7H14O	004798-60-1	53
4	Butanoic acid, 2-butoxy-1-methyl...	216	C11H20O4	007492-70-8	53
5	Butyric acid, thio-, S-decyl ester	244	C14H28OS	002432-55-5	50

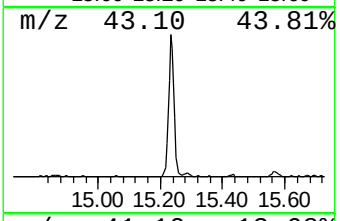


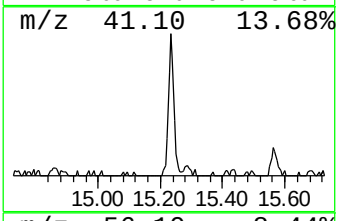


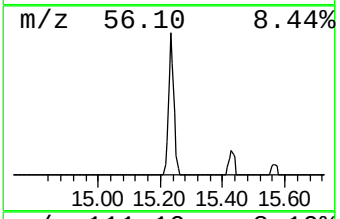


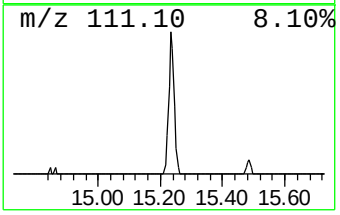












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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

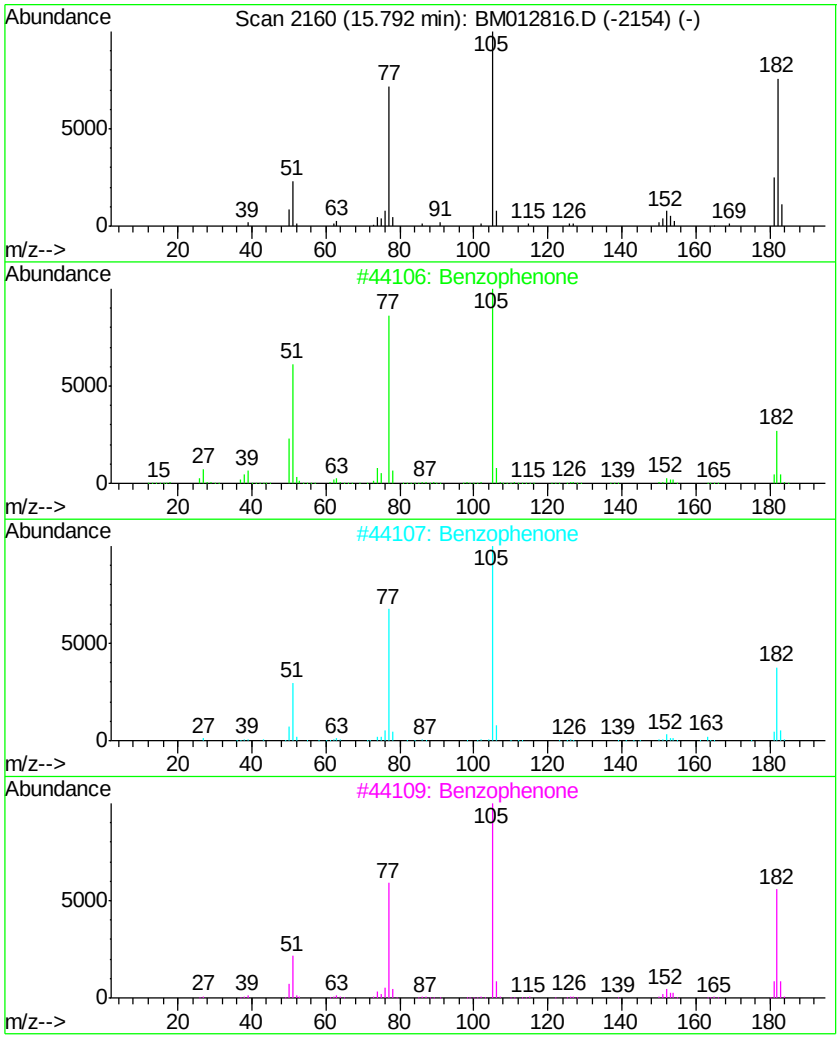
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

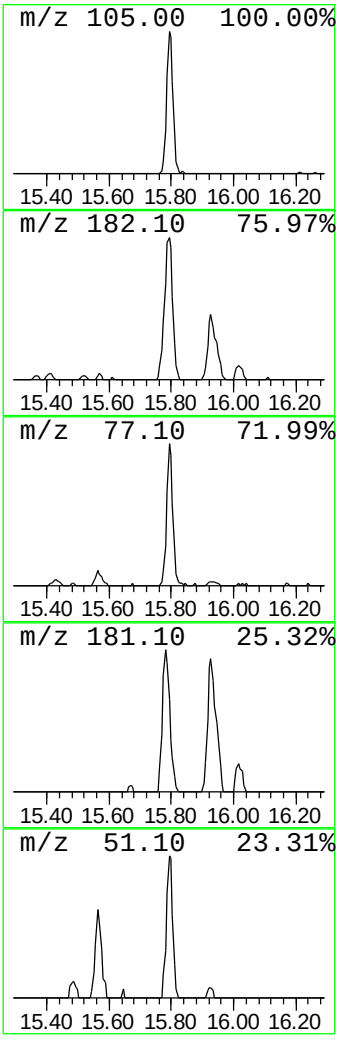
****

Peak Number 4 Benzophenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	3.04 ng/ul	166435	Acenaphthene-d10	14.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	90
2	Benzophenone	182	C13H10O	000119-61-9	90
3	Benzophenone	182	C13H10O	000119-61-9	90
4	Benzophenone	182	C13H10O	000119-61-9	90
5	Benzophenone	182	C13H10O	000119-61-9	90





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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

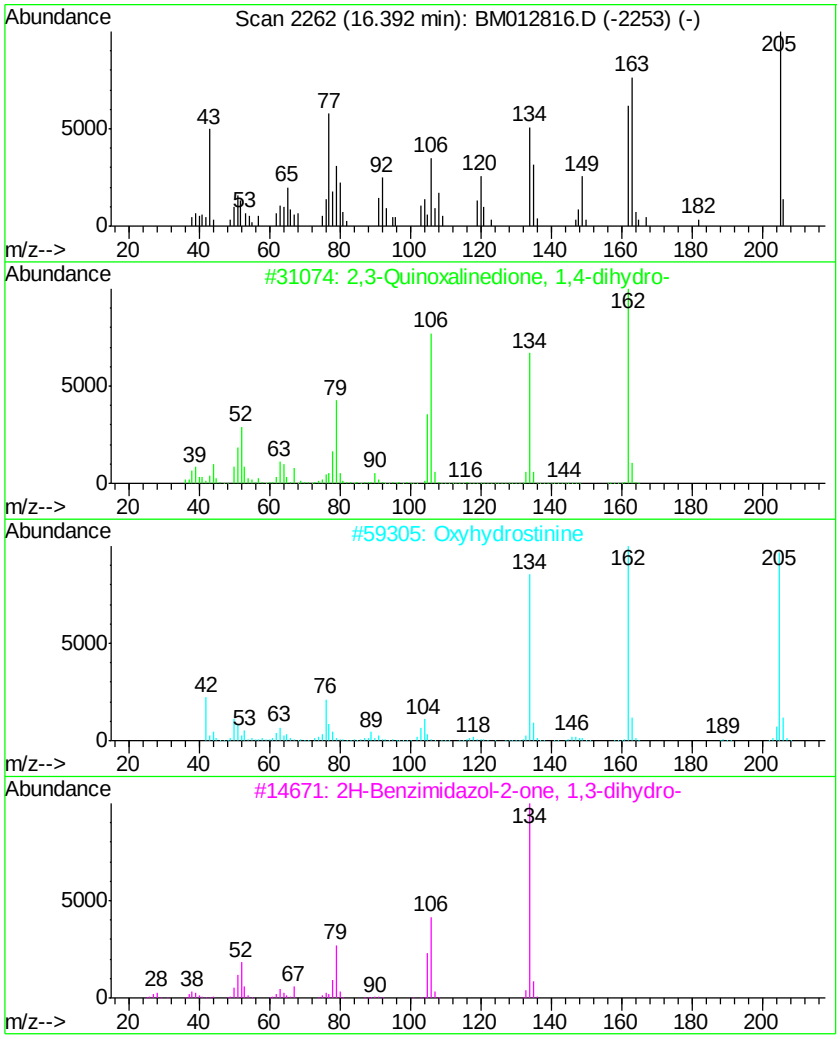
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

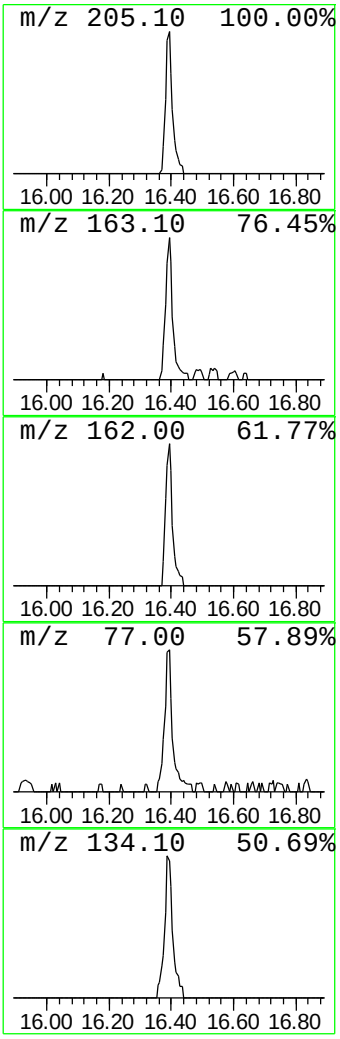
****

Peak Number 5 unknown-02 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.39	3.32 ng/ul	219962	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3-Quinoxalinedione, 1,4-dihydro-	162	C8H6N2O2	015804-19-0	38
2	Oxyhydrostinine	205	C11H11NO3	000552-29-4	35
3	2H-Benzimidazol-2-one, 1,3-dihydro-	134	C7H6N2O	000615-16-7	25
4	5-Amino-2,2-dimethyl-2,3-dihydro...	163	C10H13NO	031010-94-3	22
5	5-Hydroxy-1-tetralone	162	C10H10O2	028315-93-7	22





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Operator : SJ/JU
Sample : I6164-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ET0D0

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Quant Title : SVOA CALIBRATION

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

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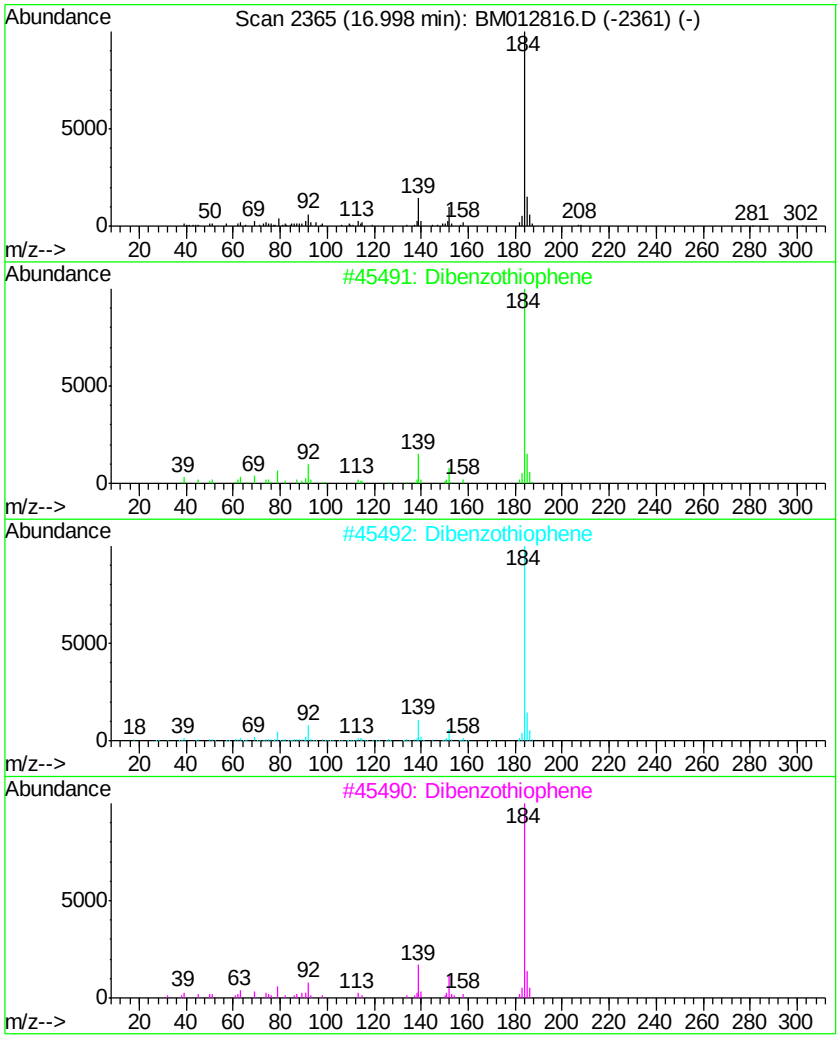
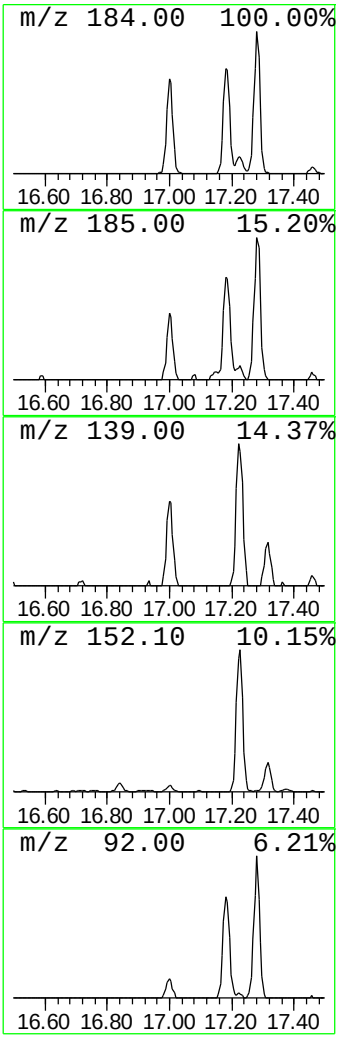
Peak Number 6 Dibenzothiophene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.00	2.28 ng/ul	150707	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	95
4	Dibenzothiophene	184	C12H8S	000132-65-0	94
5	Dibenzothiophene	184	C12H8S	000132-65-0	94





Library Search Compound Report

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ClientSampleId : ET0D0

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Quant Title : SVOA CALIBRATION

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

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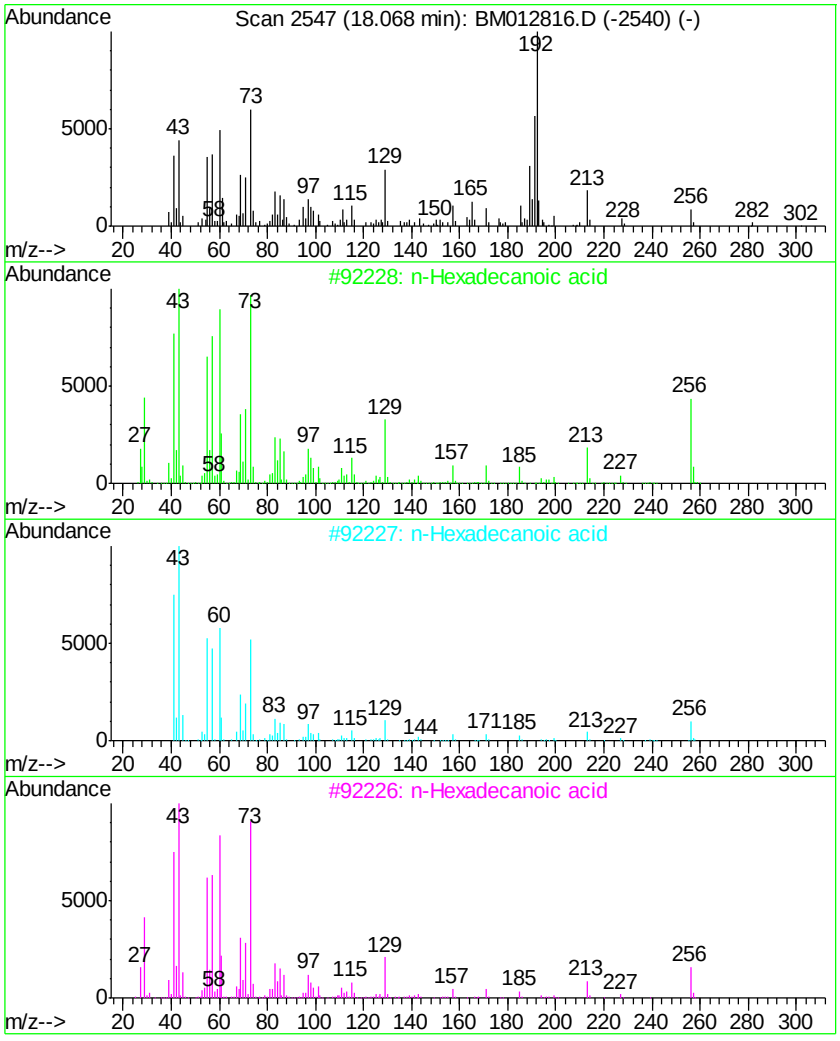
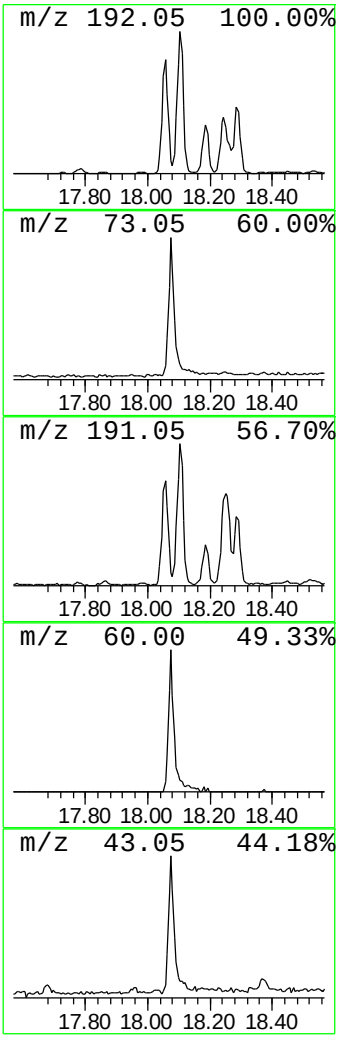
Peak Number 7 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	7.67 ng/ul	507585	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
4	Tridecanoic acid	214	C13H26O2	000638-53-9	89
5	Tridecanoic acid	214	C13H26O2	000638-53-9	86





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Quant Title : SVOA CALIBRATION

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

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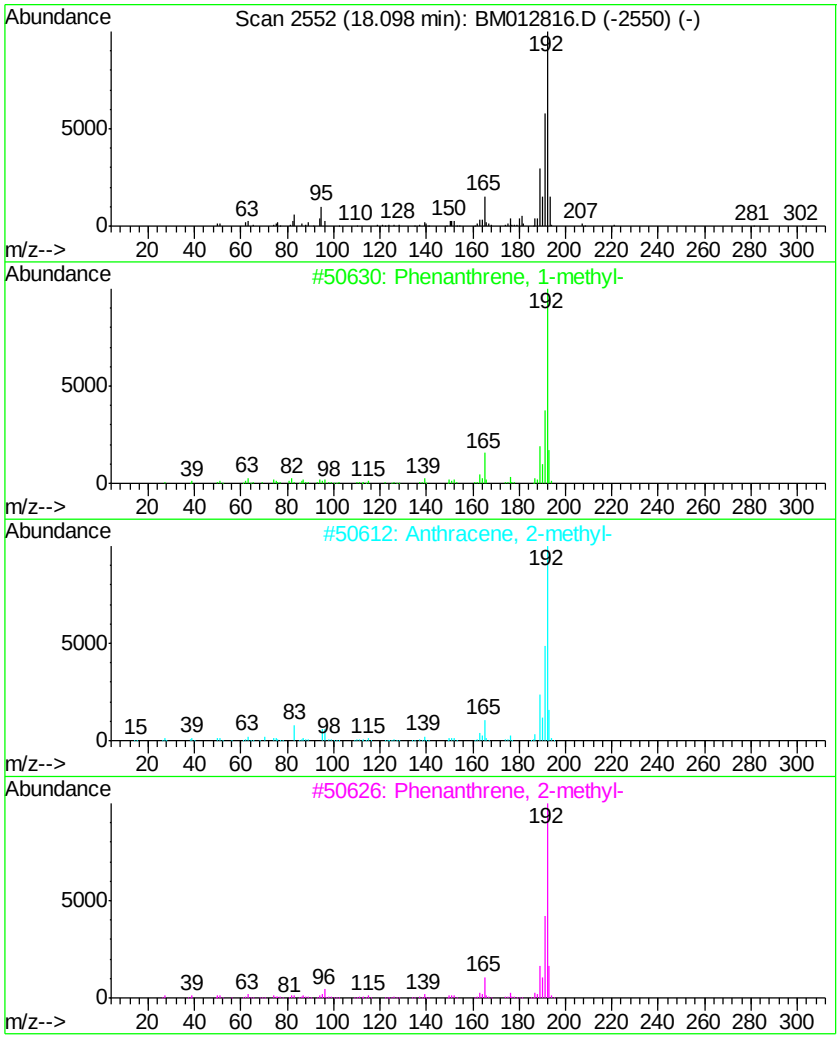
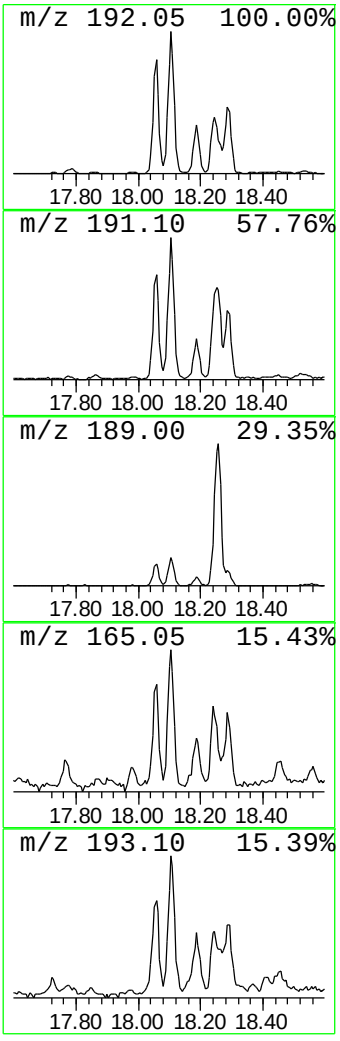
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	5.78 ng/ul	382753	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





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Instrument : BNA_M
ClientSampleId : ET0D0

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Quant Title : SVOA CALIBRATION

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

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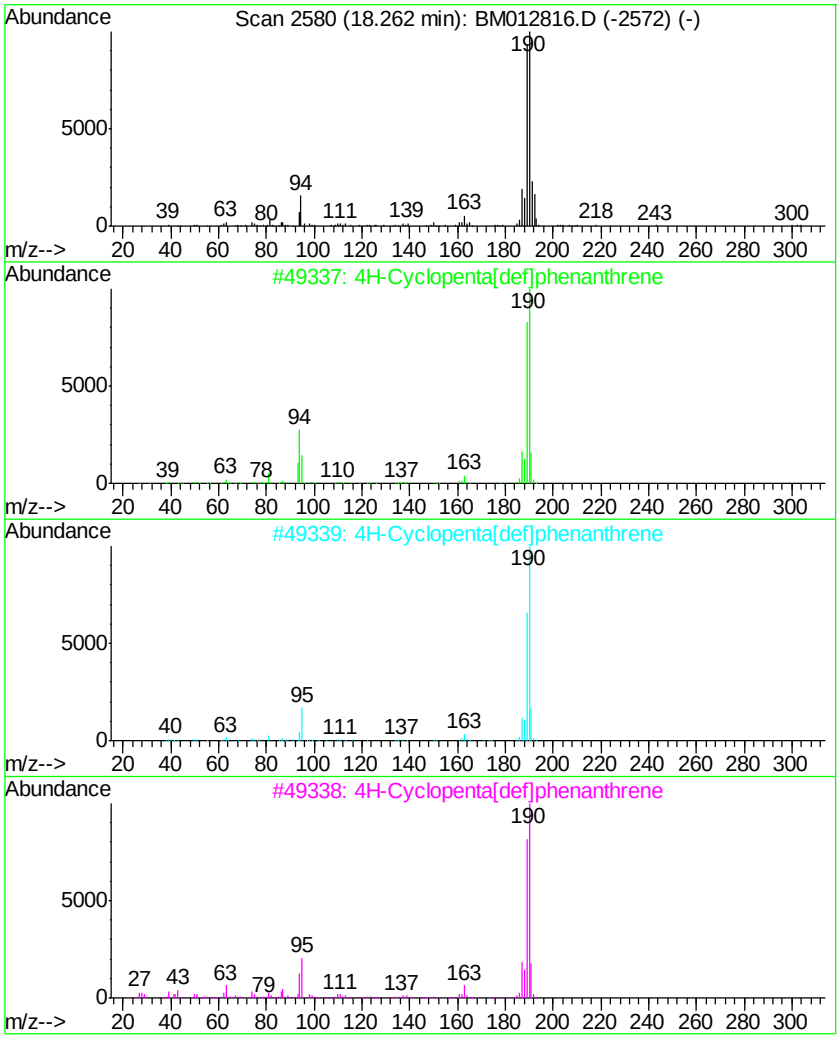
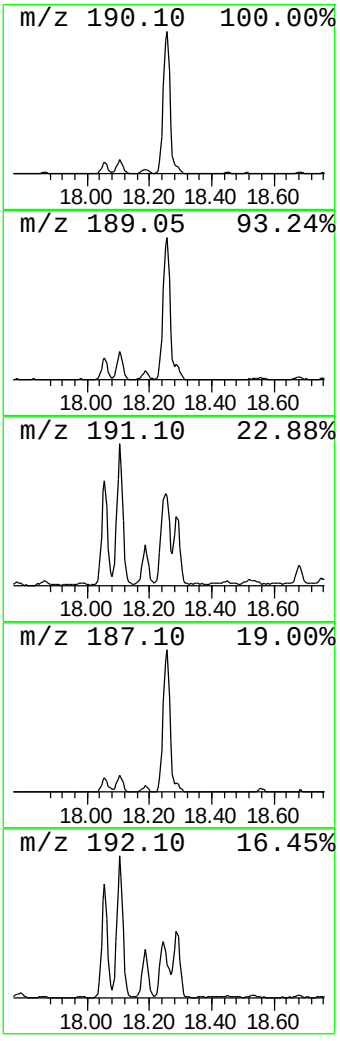
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	10.92 ng/ul	722831	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





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Quant Title : SVOA CALIBRATION

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

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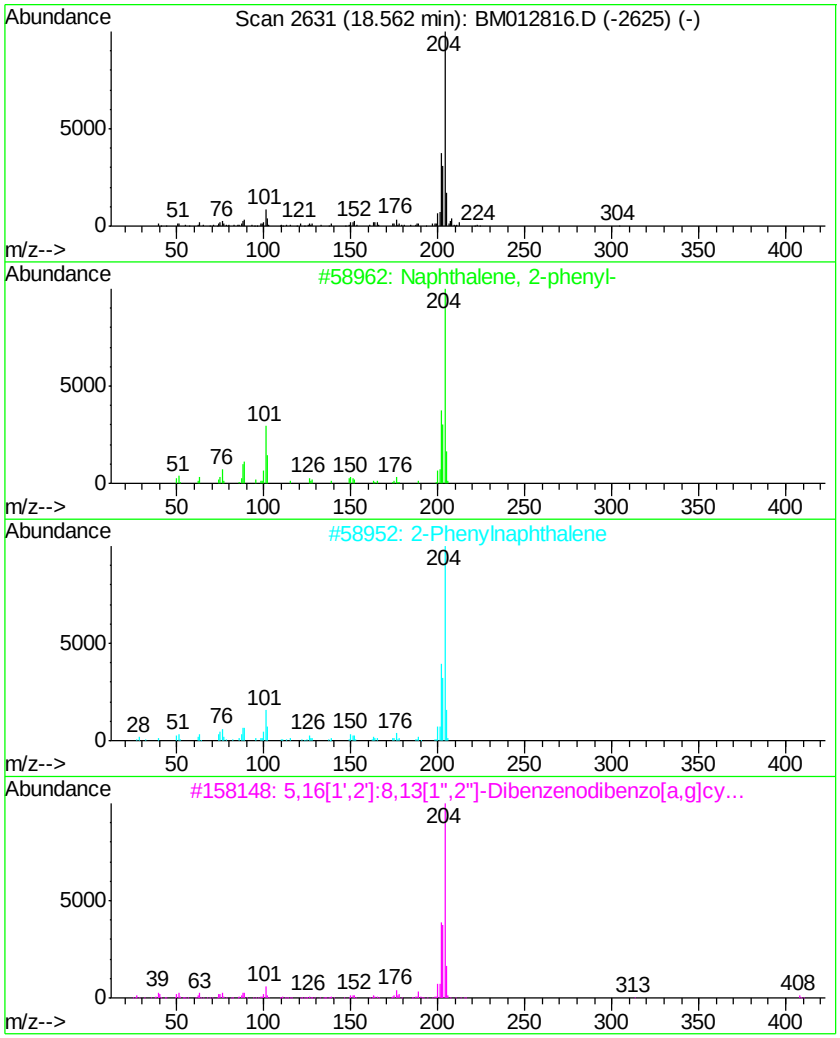
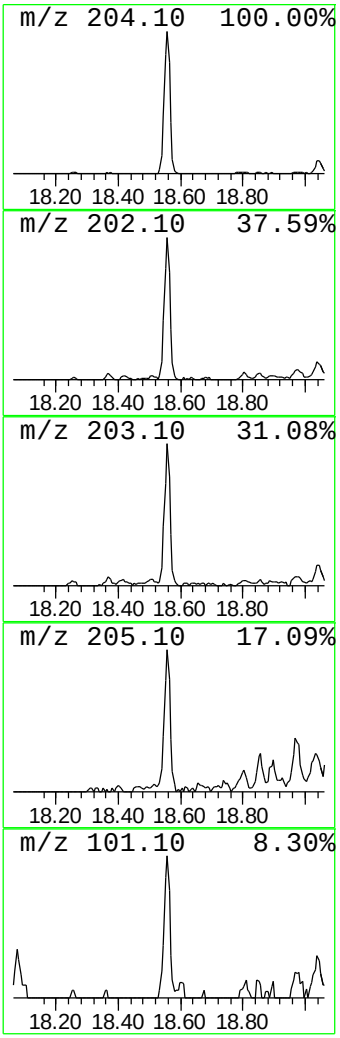
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	4.55 ng/ul	301202	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	2-Phenylnaphthalene	204	C16H12	035465-71-5	93
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64





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Quant Title : SVOA CALIBRATION

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

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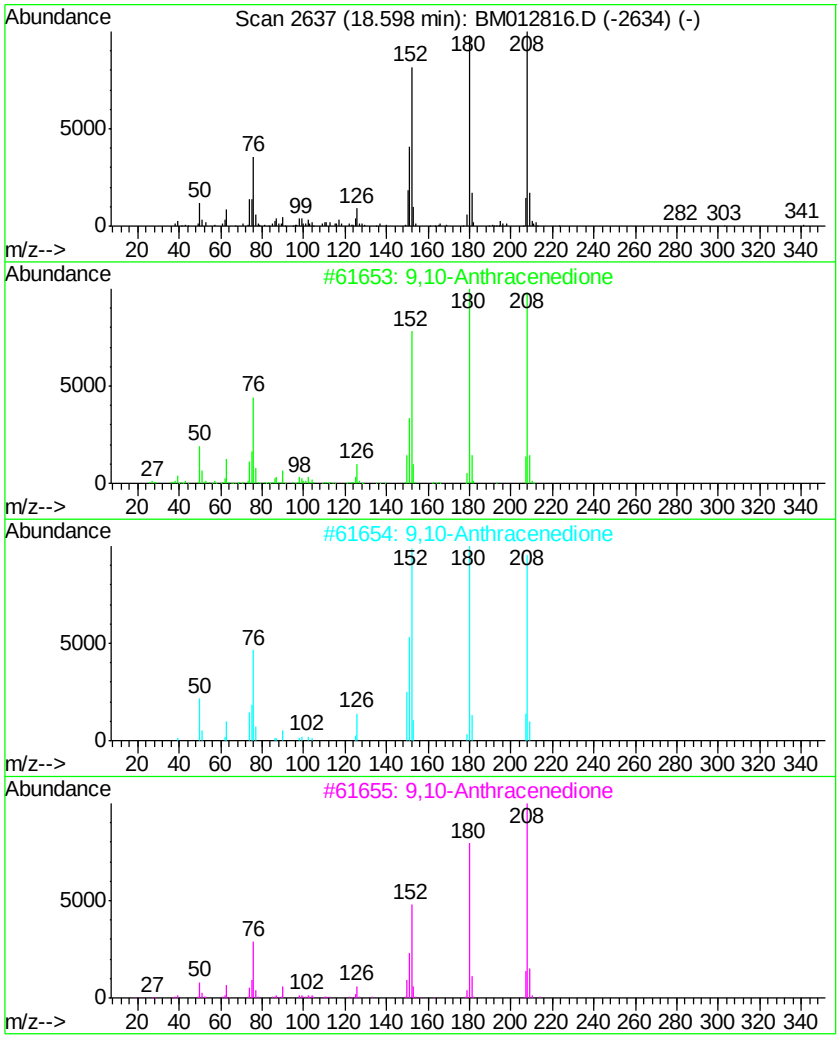
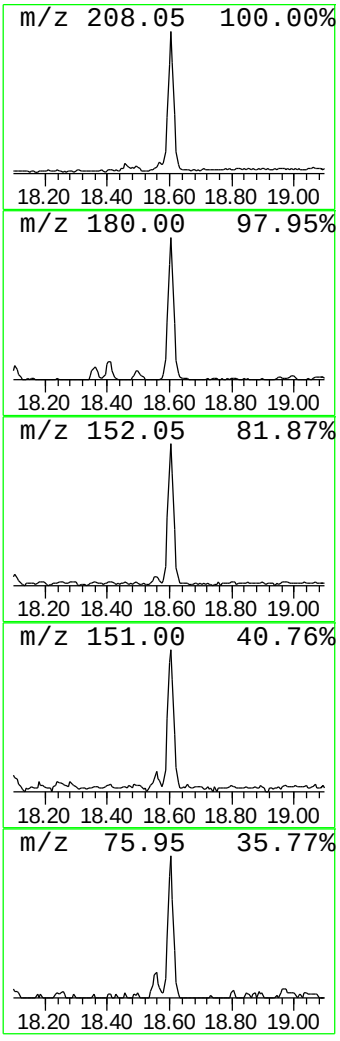
Peak Number 12 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.60	4.97 ng/ul	329179	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	58
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	58





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Quant Title : SVOA CALIBRATION

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

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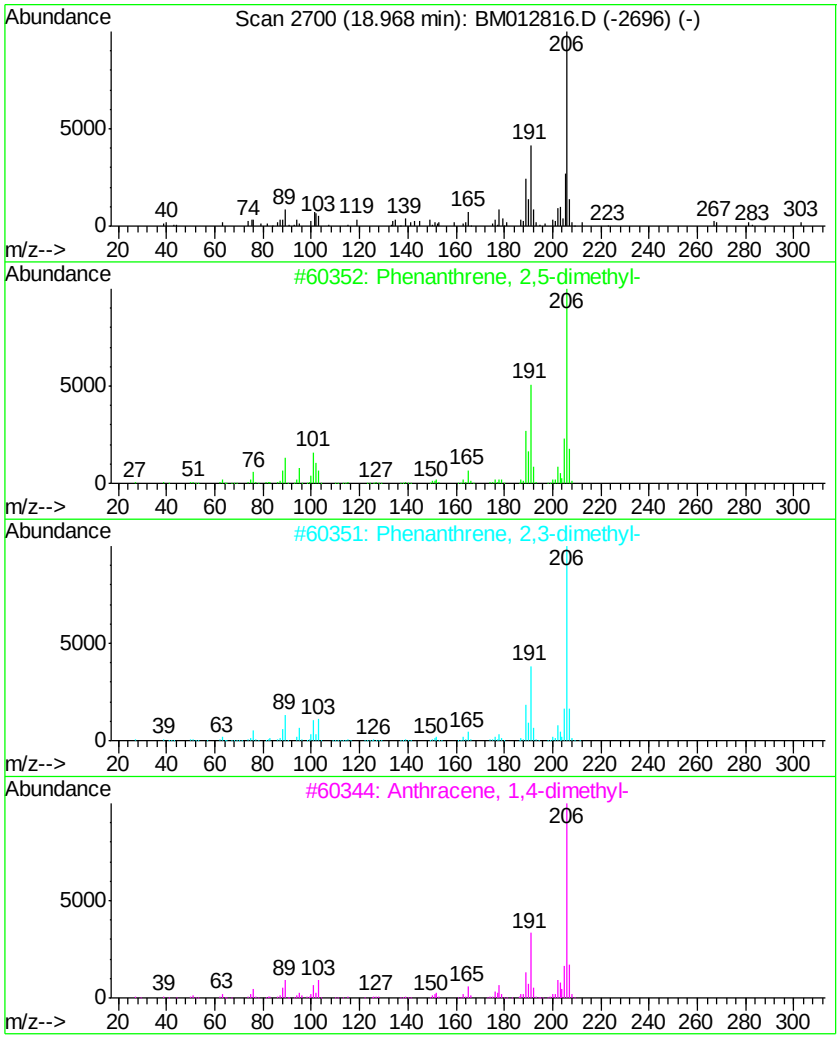
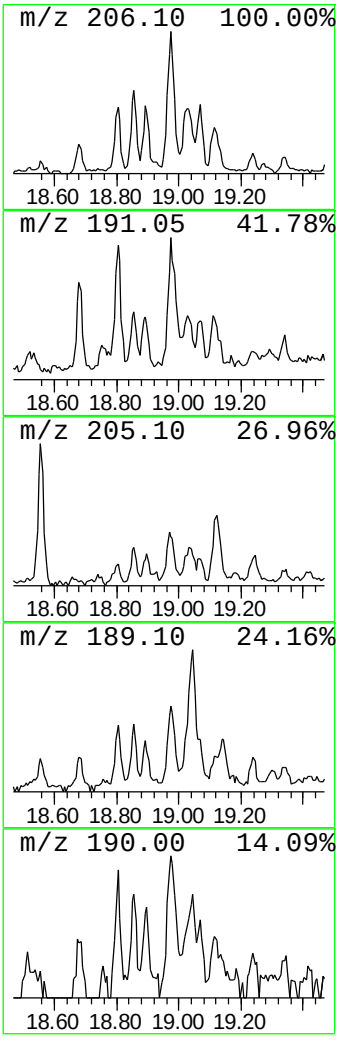
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	2.11 ng/ul	139490	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	74
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	72





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Quant Title : SVOA CALIBRATION

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

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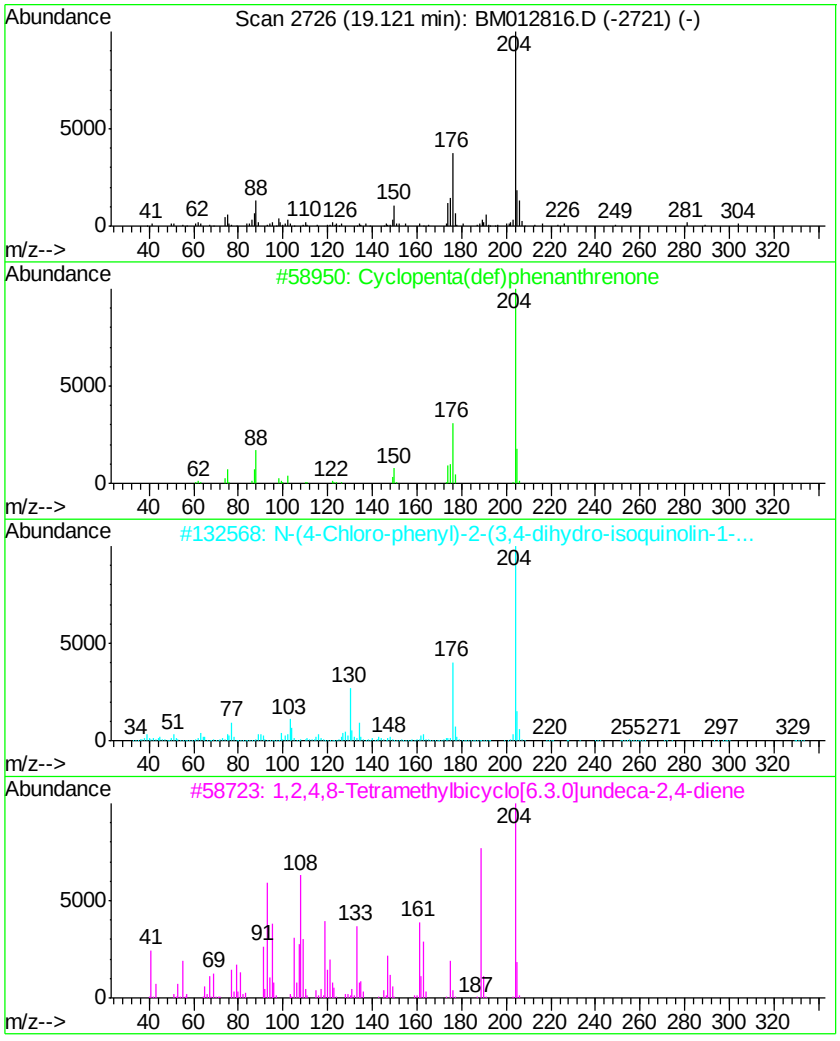
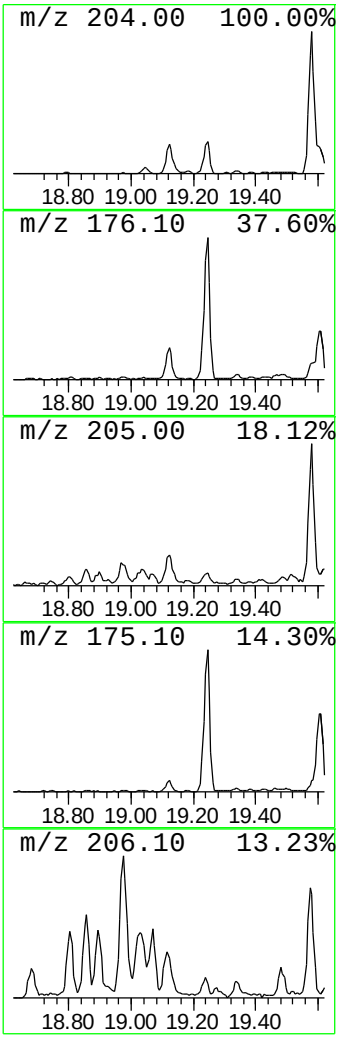
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.12	2.98 ng/ul	197470	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	53
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	47
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43





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Quant Title : SVOA CALIBRATION

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

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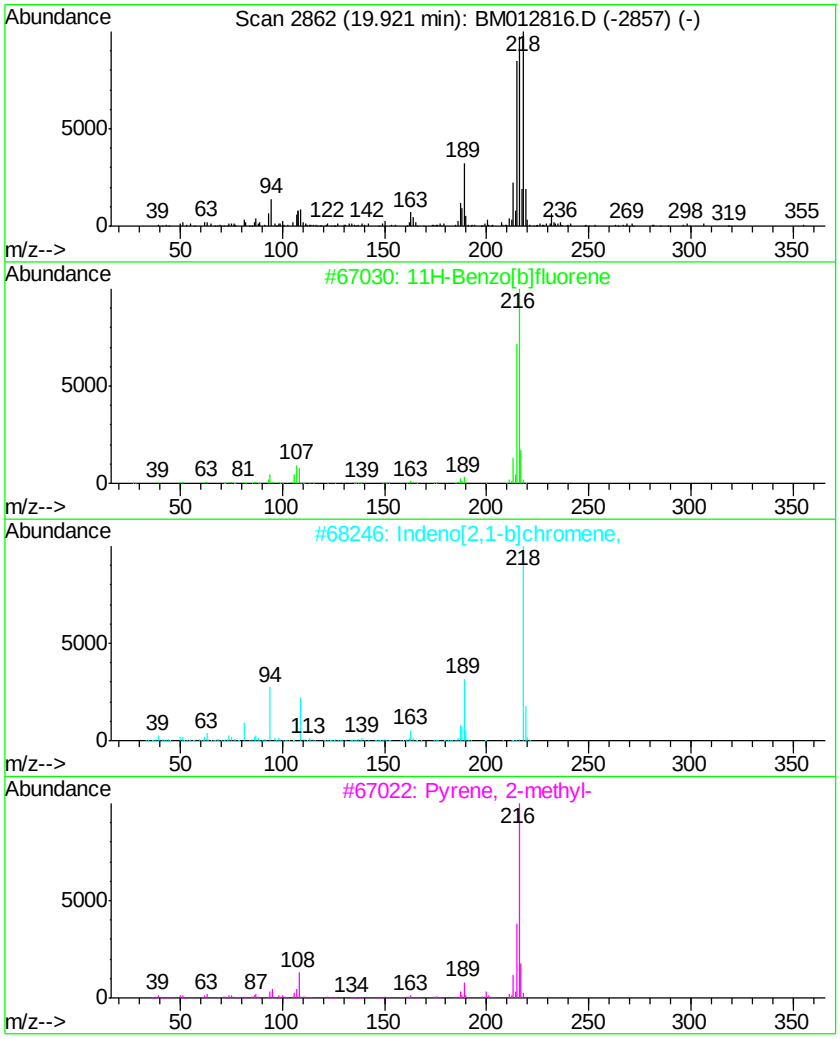
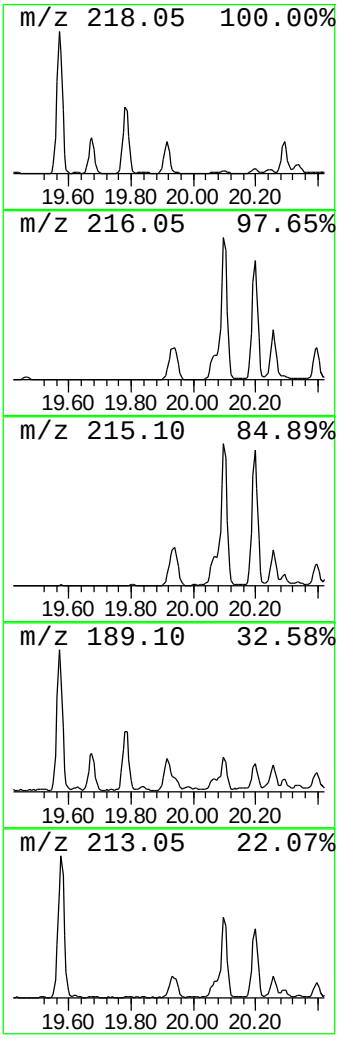
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	2.03 ng/ul	643213	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
2	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	78
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	78
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	74
5	Benzo[b]naphtho[1,2-d]furan	218	C16H10O	000239-30-5	74





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Quant Title : SVOA CALIBRATION

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

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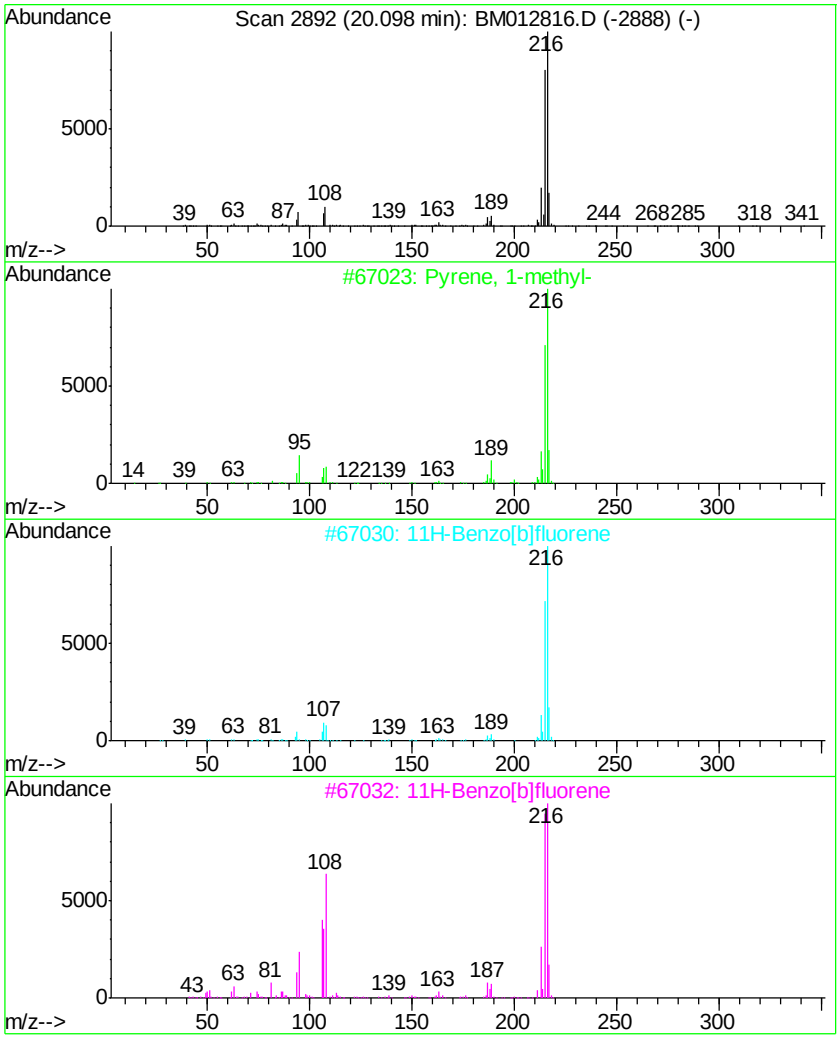
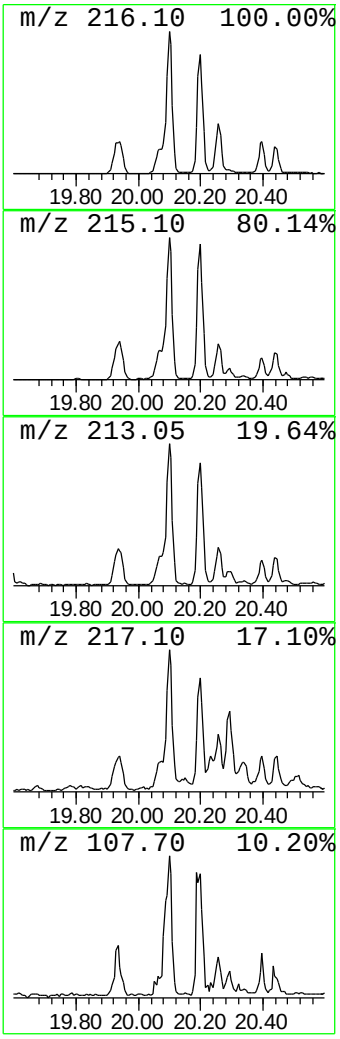
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	2.98 ng/ul	942765	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90





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Quant Title : SVOA CALIBRATION

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

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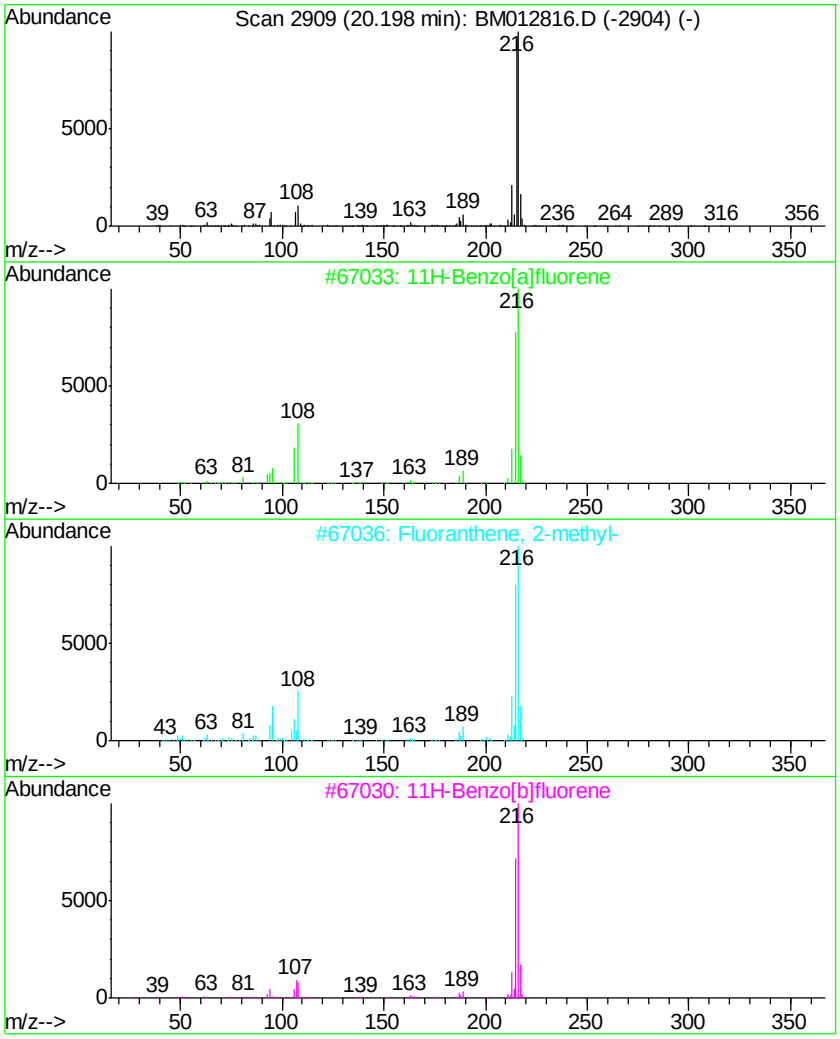
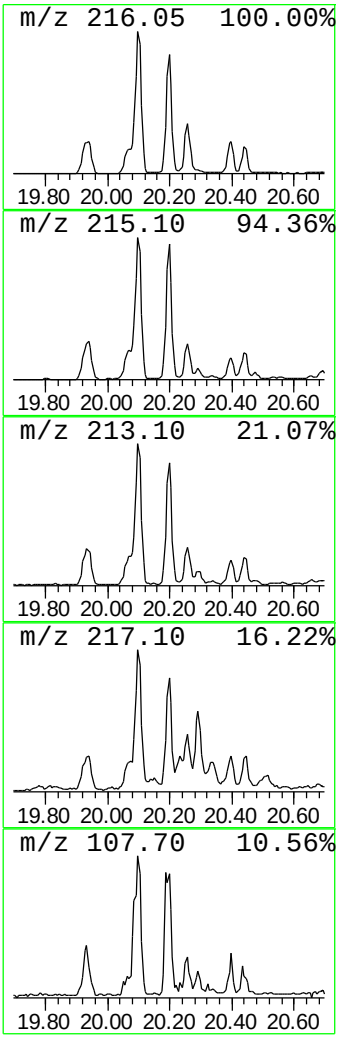
Peak Number 17 11H-Benzo[a]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.20	2.45 ng/ul	775003	Chrysene-d12	21.36

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	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83





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ALS Vial : 4 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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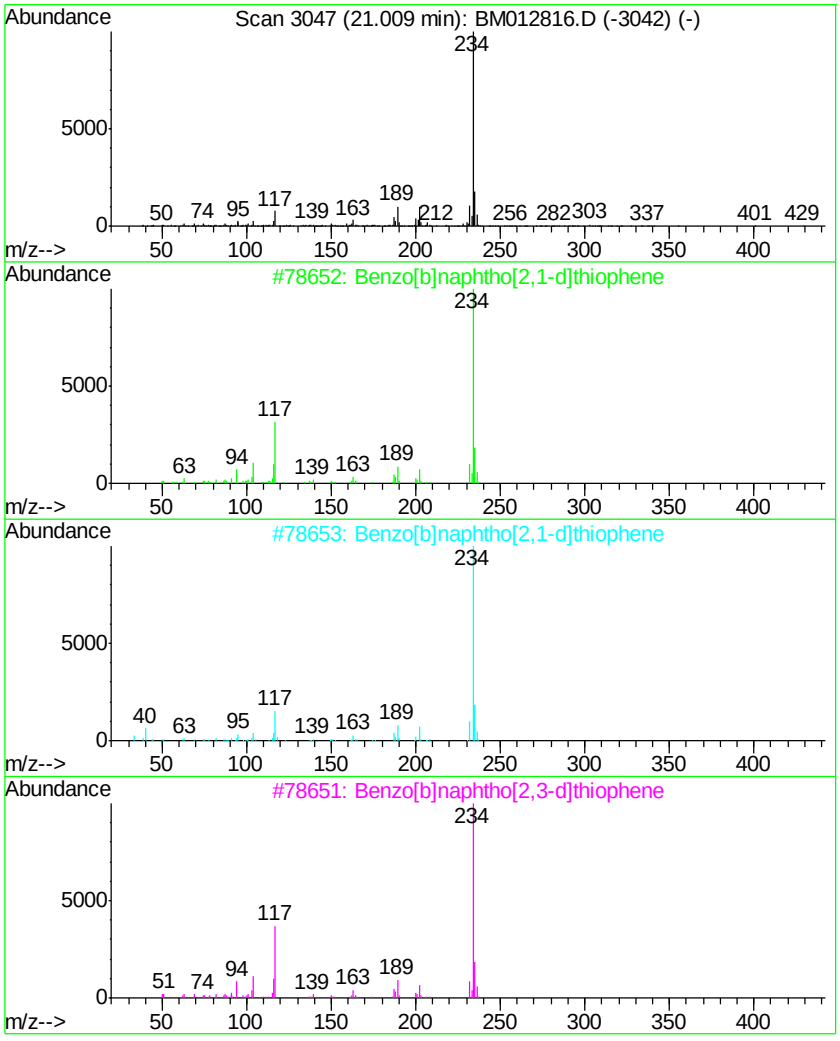
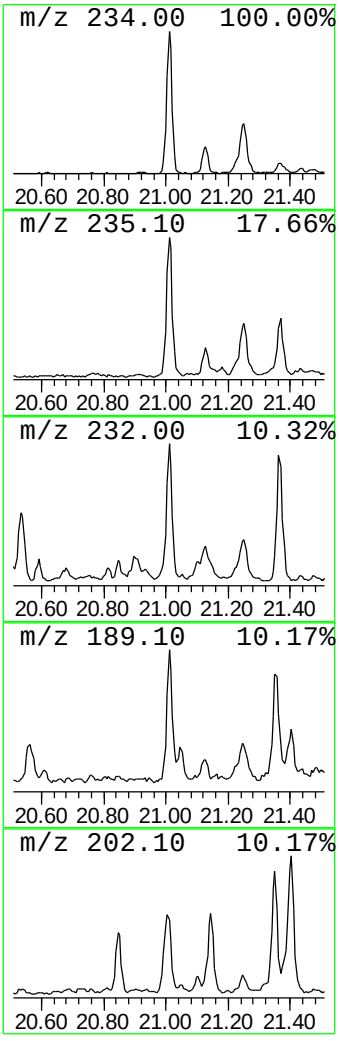
Peak Number 18 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.01	2.42 ng/ul	765952	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[2,1-d]thiophene	234	C16H10S	000239-35-0	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[2,3-d]thiophene	234	C16H10S	000243-46-9	94





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Acq On : 08 Nov 2017 12:10
Operator : SJ/JU
Sample : I6164-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ET0D0

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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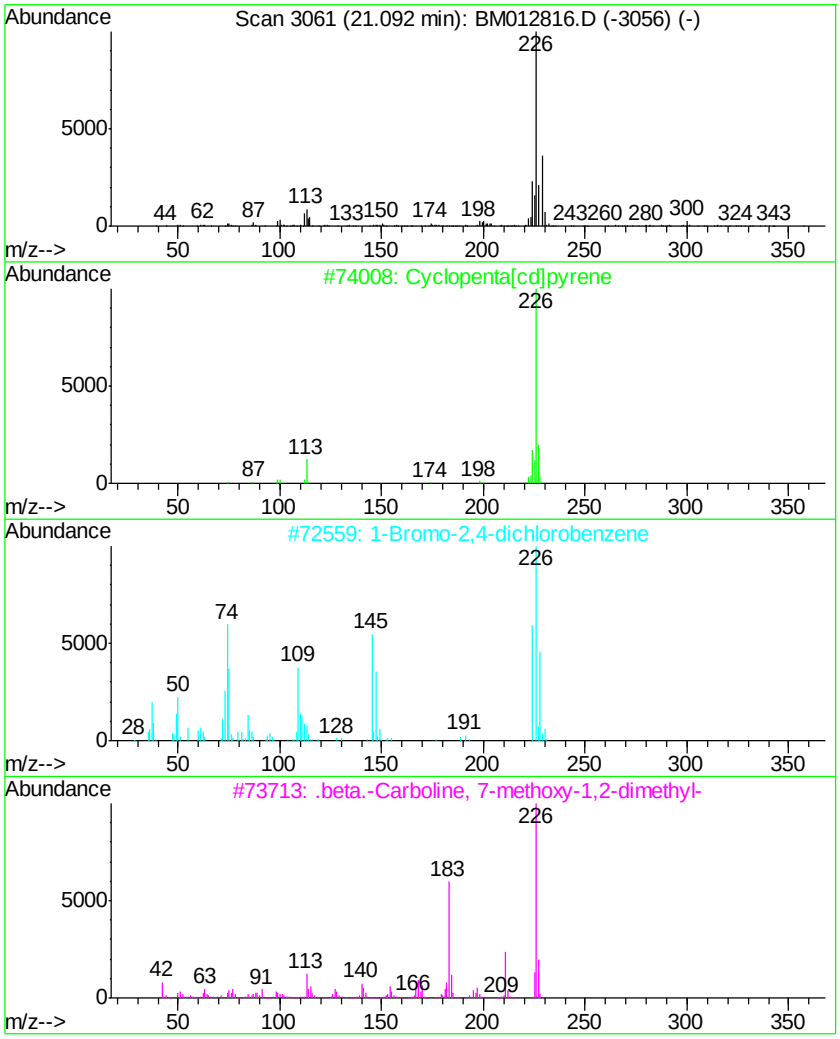
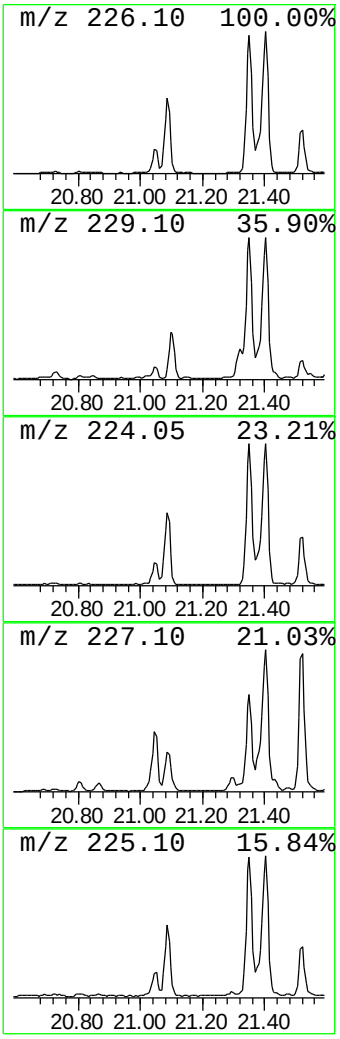
Peak Number 19 Cyclopenta[cd]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.09	2.98 ng/ul	943516	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	64
2	1-Bromo-2,4-dichlorobenzene	224	C6H3BrCl2	001193-72-2	50
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	50
4	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	47
5	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	40





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Data File : BM012816.D
Acq On : 08 Nov 2017 12:10
Operator : SJ/JU
Sample : I6164-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ET0D0

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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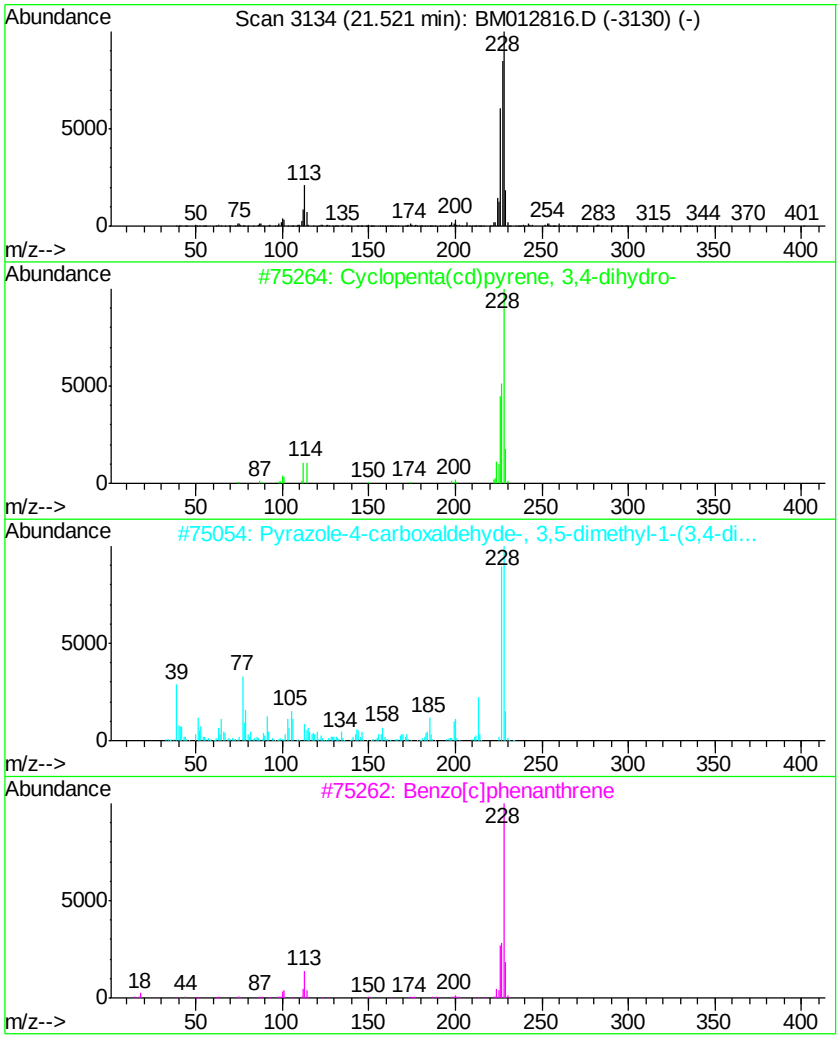
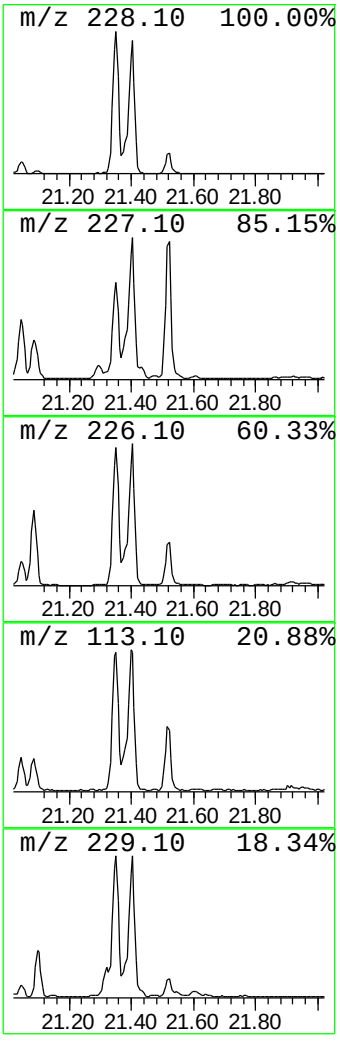
Peak Number 20 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.52	2.64 ng/ul	835862	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	64
2	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	50
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	43
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	38
5	Triphenylene	228	C18H12	000217-59-4	35





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012816.D
Acq On : 08 Nov 2017 12:10
Operator : SJ/JU
Sample : I6164-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ET0D0

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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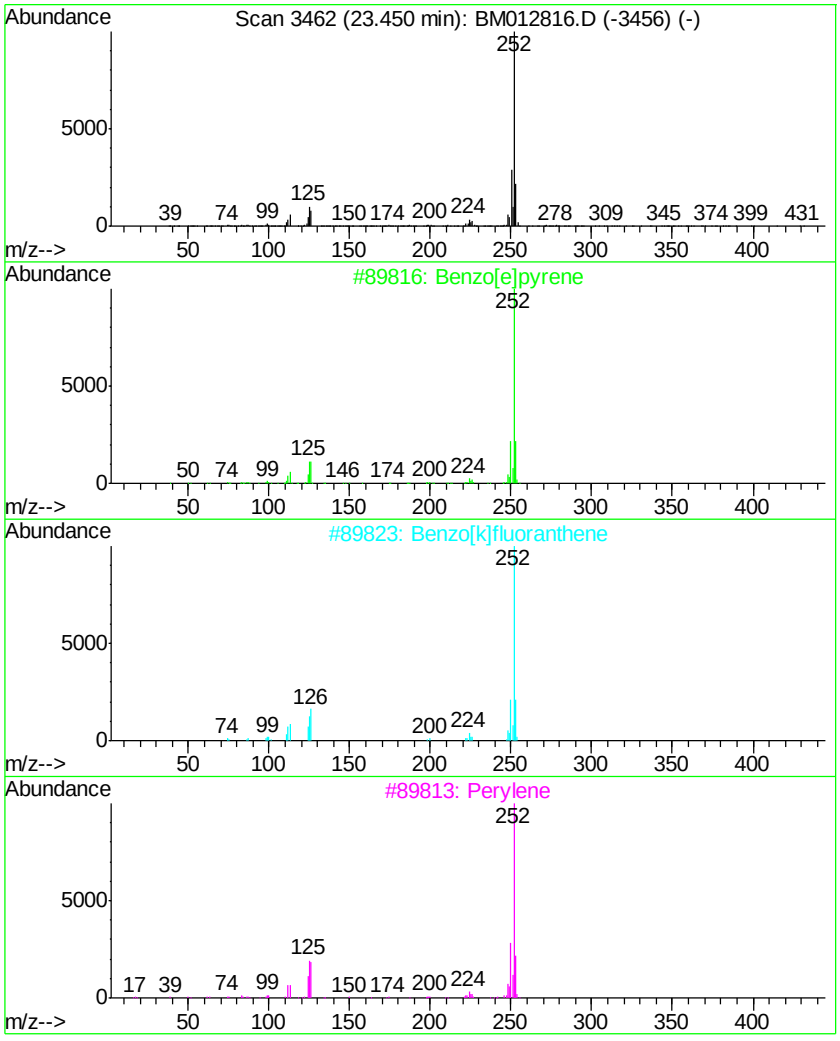
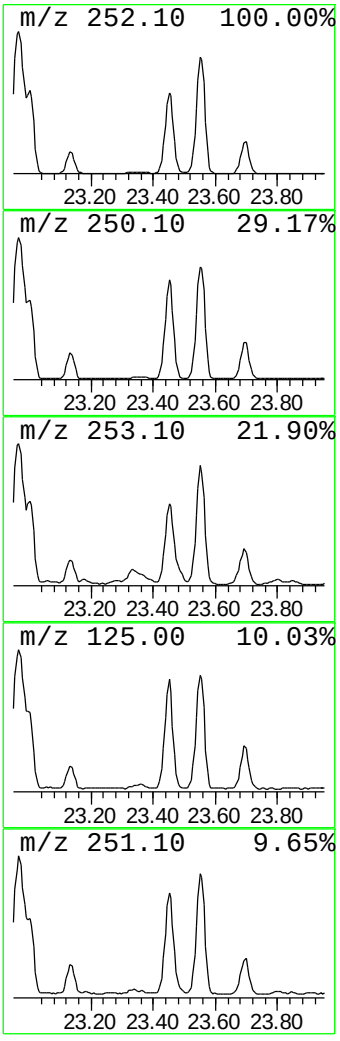
Peak Number 22 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.45	35.84 ng/ul	2933670	Perylene-d12	23.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Perylene	252	C20H12	000198-55-0	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012816.D
Acq On : 08 Nov 2017 12:10
Operator : SJ/JU
Sample : I6164-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ET0D0

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown-01	3.80	4.6	ng/ul	143902	1	7.80	628921	20.0
Benzenamine, 2-me...	10.30	3.9	ng/ul	168415	2	10.59	857685	20.0
Propanoic acid, 2...	15.23	5.0	ng/ul	276149	3	14.43	1095110	20.0
Benzophenone	15.79	3.0	ng/ul	166435	3	14.43	1095110	20.0
unknown-02	16.39	3.3	ng/ul	219962	4	17.18	1323450	20.0
Dibenzothiophene	17.00	2.3	ng/ul	150707	4	17.18	1323450	20.0
n-Hexadecanoic acid	18.07	7.7	ng/ul	507585	4	17.18	1323450	20.0
Phenanthrene, 1-m...	18.10	5.8	ng/ul	382753	4	17.18	1323450	20.0
4H-Cyclopenta[def...	18.26	10.9	ng/ul	722831	4	17.18	1323450	20.0
Naphthalene, 2-ph...	18.56	4.5	ng/ul	301202	4	17.18	1323450	20.0
9,10-Anthracenedione	18.60	5.0	ng/ul	329179	4	17.18	1323450	20.0
Phenanthrene, 2,5...	18.97	2.1	ng/ul	139490	4	17.18	1323450	20.0
Cyclopenta(def)ph...	19.12	3.0	ng/ul	197470	4	17.18	1323450	20.0
11H-Benzo[b]fluorene	19.92	2.0	ng/ul	643213	5	21.36	6330770	20.0
Pyrene, 1-methyl-	20.10	3.0	ng/ul	942765	5	21.36	6330770	20.0
11H-Benzo[a]fluorene	20.20	2.5	ng/ul	775003	5	21.36	6330770	20.0
Benzo[b]naphtho[2...	21.01	2.4	ng/ul	765952	5	21.36	6330770	20.0
Cyclopenta[cd]pyrene	21.09	3.0	ng/ul	943516	5	21.36	6330770	20.0
Cyclopenta(cd)pyr...	21.52	2.6	ng/ul	835862	5	21.36	6330770	20.0
Benzo[e]pyrene	23.45	35.8	ng/ul	2933670	6	23.64	1637100	20.0