LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017332.D
Acq On : 25 Oct 2018 00:08
Operator : MJ/SJ
Sample : J5598-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE7

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.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	3.928	155	160	171	rVB	224074	342108	1.44%	0.124%
2	6.834	645	654	667	rBV2	884202	1833675	7.72%	0.667%
3	6.998	676	682	695	rBV	684470	1078060	4.54%	0.392%
4	7.193	708	715	725	rVB	881146	1421040	5.98%	0.517%
5	7.657	782	794	802	rBV	1109234	1809524	7.62%	0.658%
6	8.363	907	914	922	rVV	1072551	1772936	7.46%	0.645%
7	8.804	982	989	997	rBV	828133	1416845	5.97%	0.515%
8	9.522	1103	1111	1122	rBV	731830	1239007	5.22%	0.450%
9	10.057	1190	1202	1213	rVV	1098999	1963798	8.27%	0.714%
10	10.428	1257	1265	1270	rBV	1685875	2855922	12.02%	1.038%
11	10.475	1270	1273	1279	rVB	186249	308915	1.30%	0.112%
12	10.575	1281	1290	1302	rBV	825311	1510420	6.36%	0.549%
13	11.963	1518	1526	1531	rBV2	127339	239378	1.01%	0.087%
14	12.098	1542	1549	1559	rVB2	184453	306892	1.29%	0.112%
15	12.316	1580	1586	1592	rVB	149431	244114	1.03%	0.089%
16	13.716	1818	1824	1828	rVV	2122135	3026439	12.74%	1.100%
17	13.763	1828	1832	1841	rVV	543383	827770	3.49%	0.301%
18	13.986	1859	1870	1883	rBV2	2483623	4510995	18.99%	1.640%
19	14.298	1913	1923	1929	rBV2	2542869	3953056	16.64%	1.437%
20	14.521	1954	1961	1972	rBV	636042	1400002	5.89%	0.509%
21	14.698	1985	1991	1995	rBV	147301	213562	0.90%	0.078%
22	15.292	2086	2092	2098	rBV	3241958	4650663	19.58%	1.691%
23	15.421	2108	2114	2126	rVB	1085076	1522193	6.41%	0.553%
24	15.792	2172	2177	2185	rVB	95433	211781	0.89%	0.077%
25	16.027	2212	2217	2218	rBV3	170779	218027	0.92%	0.079%
26	16.704	2328	2332	2340	rVB	207523	310307	1.31%	0.113%
27	16.868	2356	2360	2369	rVB2	121440	200583	0.84%	0.073%
28	17.051	2384	2391	2394	rBV	3216124	4841019	20.38%	1.760%
29	17.092	2394	2398	2402	rVV	2023030	2833008	11.93%	1.030%
30	17.145	2402	2407	2411	rVV	3667751	5300859	22.32%	1.927%
31	17.180	2411	2413	2419	rVV	645775	802075	3.38%	0.292%
32	17.457	2451	2460	2464	rBV	418975	695811	2.93%	0.253%
33	17.568	2474	2479	2485	rVB2	152495	305153	1.28%	0.111%
34	17.921	2531	2539	2542	rBV	429961	662704	2.79%	0.241%

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Operator : MJ/SJ
Sample : J5598-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE7

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Title : SVOA CALIBRATION

35	17.962	2542	2546	2555	rVB2	873717	1707127	7.19%	0.621%
36	18.051	2557	2561	2566	rVB	150467	228738	0.96%	0.083%
37	18.115	2566	2572	2576	rBV2	541516	1006224	4.24%	0.366%
38	18.157	2576	2579	2585	rVB	355122	473520	1.99%	0.172%
39	18.245	2589	2594	2597	rBV3	161581	247048	1.04%	0.090%
40	18.427	2621	2625	2629	rVV	525350	712145	3.00%	0.259%
41	18.474	2629	2633	2638	rVB	827086	1107240	4.66%	0.403%
42	18.674	2664	2667	2671	rVB2	151296	189422	0.80%	0.069%
43	18.727	2672	2676	2679	rVB	186530	237575	1.00%	0.086%
44	18.762	2679	2682	2687	rVB	192930	242874	1.02%	0.088%
45	18.851	2691	2697	2701	rBV2	551845	1062206	4.47%	0.386%
46	18.904	2701	2706	2710	rVV4	251423	579455	2.44%	0.211%
47	18.939	2710	2712	2716	rVB	190534	210298	0.89%	0.076%
48	18.992	2716	2721	2727	rBV	1059086	1513642	6.37%	0.550%
49	19.115	2734	2742	2748	rBV	14626227	19907702	83.82%	7.238%
50	19.180	2749	2753	2756	rBV	251731	360353	1.52%	0.131%
51	19.215	2756	2759	2761	rBV	191655	213044	0.90%	0.077%
52	19.315	2771	2776	2779	rBV2	336551	563372	2.37%	0.205%
53	19.356	2780	2783	2787	rVB	318169	434121	1.83%	0.158%
54	19.451	2793	2799	2801	rBV2	6257696	9558283	40.24%	3.475%
55	19.480	2801	2804	2811	rVV	13239969	17327161	72.95%	6.300%
56	19.551	2811	2816	2823	rVB2	727730	1170149	4.93%	0.425%
57	19.656	2829	2834	2839	rBV	767034	1144849	4.82%	0.416%
58	19.715	2840	2844	2850	rVB2	547759	928210	3.91%	0.337%
59	19.809	2853	2860	2866	rBV3	1200149	2809027	11.83%	1.021%
60	19.939	2877	2882	2887	rBV6	1141549	2927811	12.33%	1.064%
61	20.074	2902	2905	2908	rBV	346000	372958	1.57%	0.136%
62	20.133	2908	2915	2919	rBV2	1706643	2799959	11.79%	1.018%
63	20.174	2919	2922	2925	rVB	330720	361573	1.52%	0.131%
64	20.215	2925	2929	2933	rBV2	293878	421264	1.77%	0.153%
65	20.274	2934	2939	2942	rBV	1002457	1391980	5.86%	0.506%
66	20.321	2942	2947	2951	rVV2	731978	1083878	4.56%	0.394%
67	20.639	2998	3001	3004	rVB2	308425	327545	1.38%	0.119%
68	20.727	3011	3016	3022	rVB	3280424	4253497	17.91%	1.546%
69	20.886	3037	3043	3047	rBV2	2127406	3731387	15.71%	1.357%
70	20.927	3047	3050	3053	rVV	1893200	2443169	10.29%	0.888%
71	20.968	3053	3057	3062	rVV2	2580060	4003521	16.86%	1.456%

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Sample : J5598-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE7

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Title : SVOA CALIBRATION

72	21.021	3062	3066	3077	rVB	2782999	4221576	17.77%	1.535%
73	21.133	3082	3085	3090	rVB2	389119	604844	2.55%	0.220%
74	21.233	3094	3102	3108	rBV3	9287348	21728839	91.49%	7.900%
75	21.286	3108	3111	3121	rVB	10514143	13548953	57.05%	4.926%
76	21.362	3121	3124	3127	rVB2	315484	346102	1.46%	0.126%
77	21.409	3128	3132	3136	rBV4	719184	1326030	5.58%	0.482%
78	21.450	3136	3139	3142	rBV2	413327	595068	2.51%	0.216%
79	21.556	3152	3157	3161	rBV2	988943	1811526	7.63%	0.659%
80	21.603	3161	3165	3169	rVV2	703796	938806	3.95%	0.341%
81	21.792	3191	3197	3201	rVB	1647599	2641095	11.12%	0.960%
82	21.845	3201	3206	3212	rVB3	1820127	3378364	14.22%	1.228%
83	21.986	3226	3230	3232	rBV	791051	1041982	4.39%	0.379%
84	22.086	3244	3247	3256	rVB	737413	1139852	4.80%	0.414%
85	22.262	3274	3277	3279	rBV	515669	614689	2.59%	0.223%
86	22.292	3280	3282	3292	rVB	842053	1348776	5.68%	0.490%
87	22.427	3301	3305	3311	rVB3	855714	1479260	6.23%	0.538%
88	22.539	3320	3324	3335	rVB4	781778	2079963	8.76%	0.756%
89	22.803	3362	3369	3374	rBV	10055857	23751086	100.00%	8.635%
90	22.962	3392	3396	3403	rBV	1014663	1608499	6.77%	0.585%
91	23.097	3414	3419	3428	rBV	627721	1455382	6.13%	0.529%
92	23.274	3442	3449	3453	rBV	4948617	9124773	38.42%	3.318%
93	23.321	3453	3457	3460	rVV	3525698	6344539	26.71%	2.307%
94	23.362	3460	3464	3470	rVB	4478329	8244446	34.71%	2.998%
95	23.456	3474	3480	3485	rVV	3207360	6216442	26.17%	2.260%
96	23.503	3485	3488	3496	rVB3	1275298	2454579	10.33%	0.892%
97	23.980	3564	3569	3577	rVB2	1060574	2102638	8.85%	0.764%
98	24.703	3688	3692	3699	rVB	711101	1494246	6.29%	0.543%
99	25.662	3846	3855	3868	rVB2	2197738	6532460	27.50%	2.375%
100	26.338	3962	3970	3980	rVB	1399709	3987094	16.79%	1.450%

Sum of corrected areas: 275042877

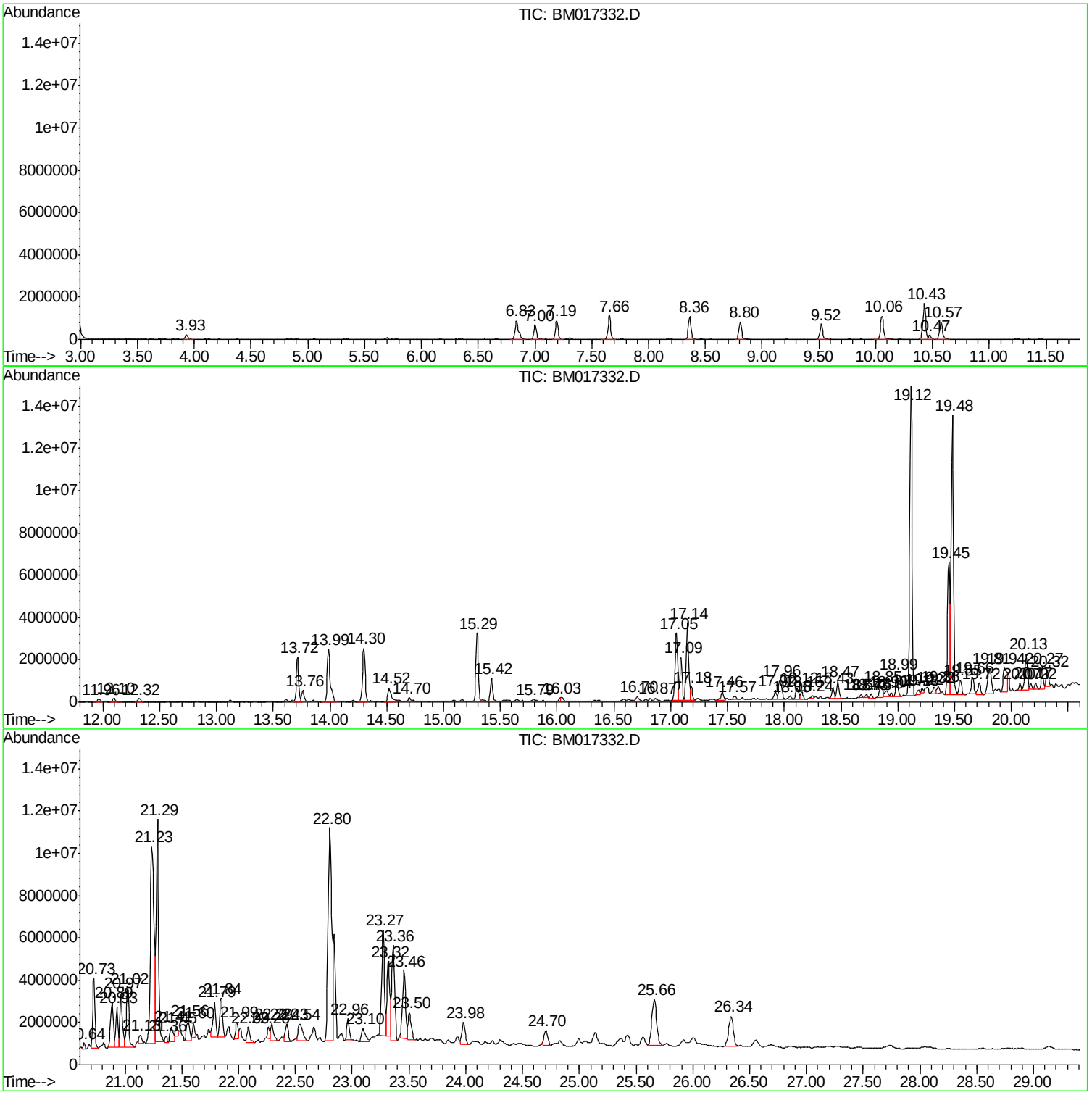
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017332.D
Acq On : 25 Oct 2018 00:08
Operator : MJ/SJ
Sample : J5598-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AE7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017332.D
Acq On : 25 Oct 2018 00:08
Operator : MJ/SJ
Sample : J5598-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

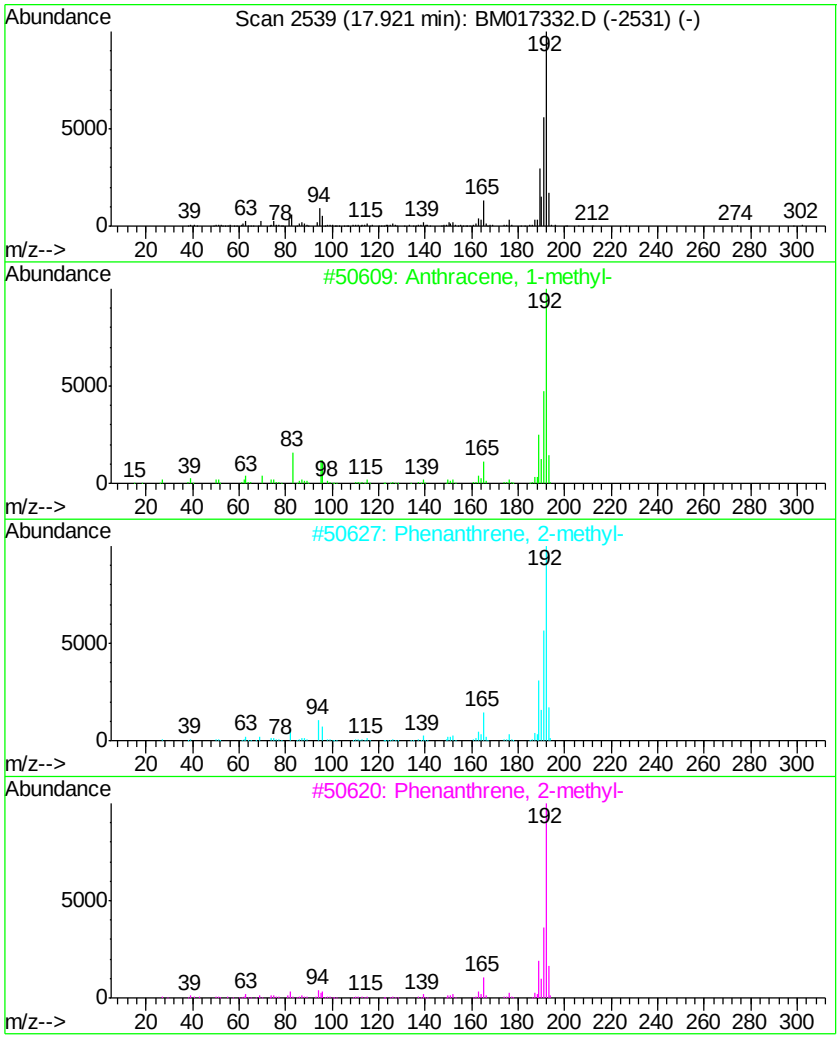
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

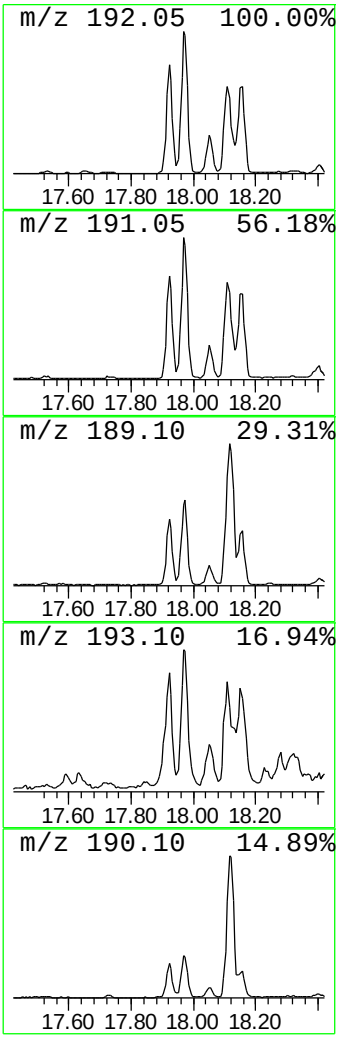
****

Peak Number 2 Anthracene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	2.74 ng/ul	662704	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017332.D
Acq On : 25 Oct 2018 00:08
Operator : MJ/SJ
Sample : J5598-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

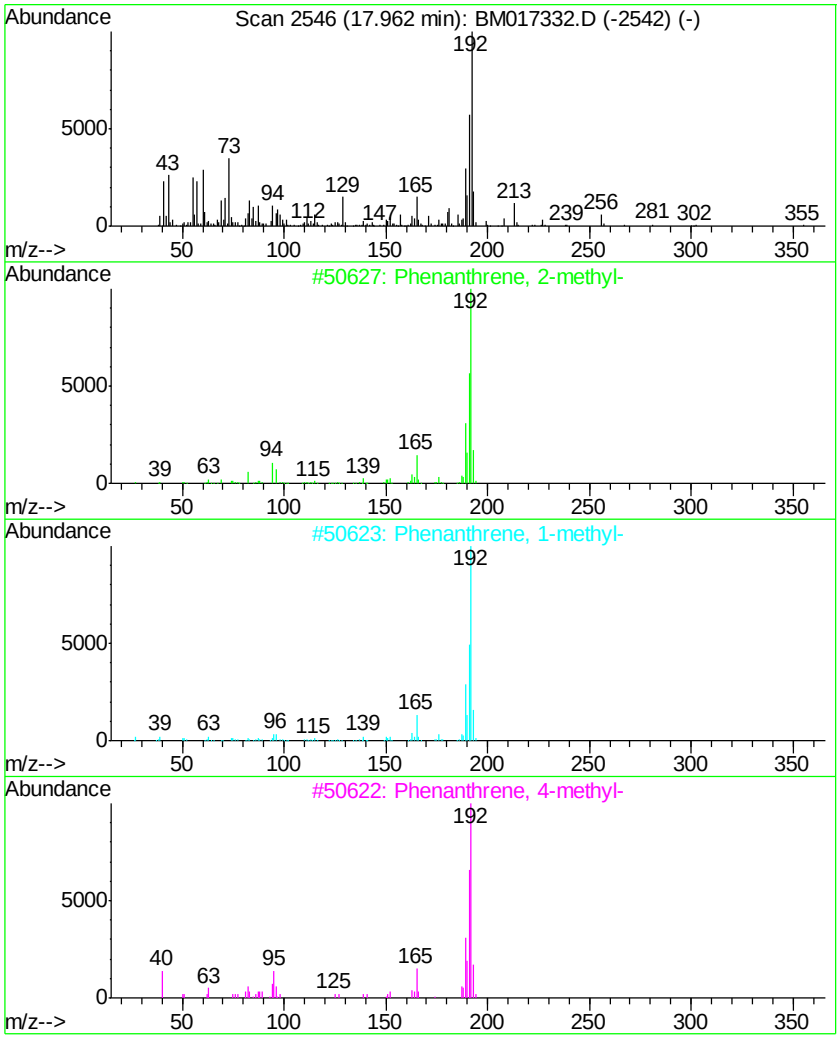
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

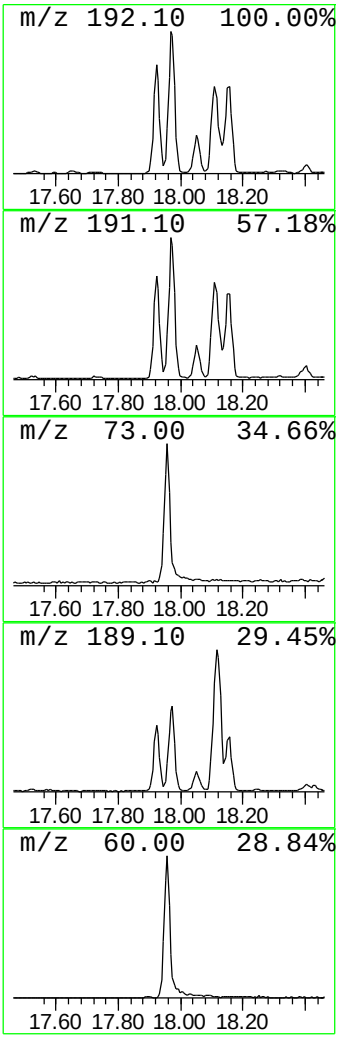
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.96	7.05 ng/ul	1707130	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	92





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017332.D
Acq On : 25 Oct 2018 00:08
Operator : MJ/SJ
Sample : J5598-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

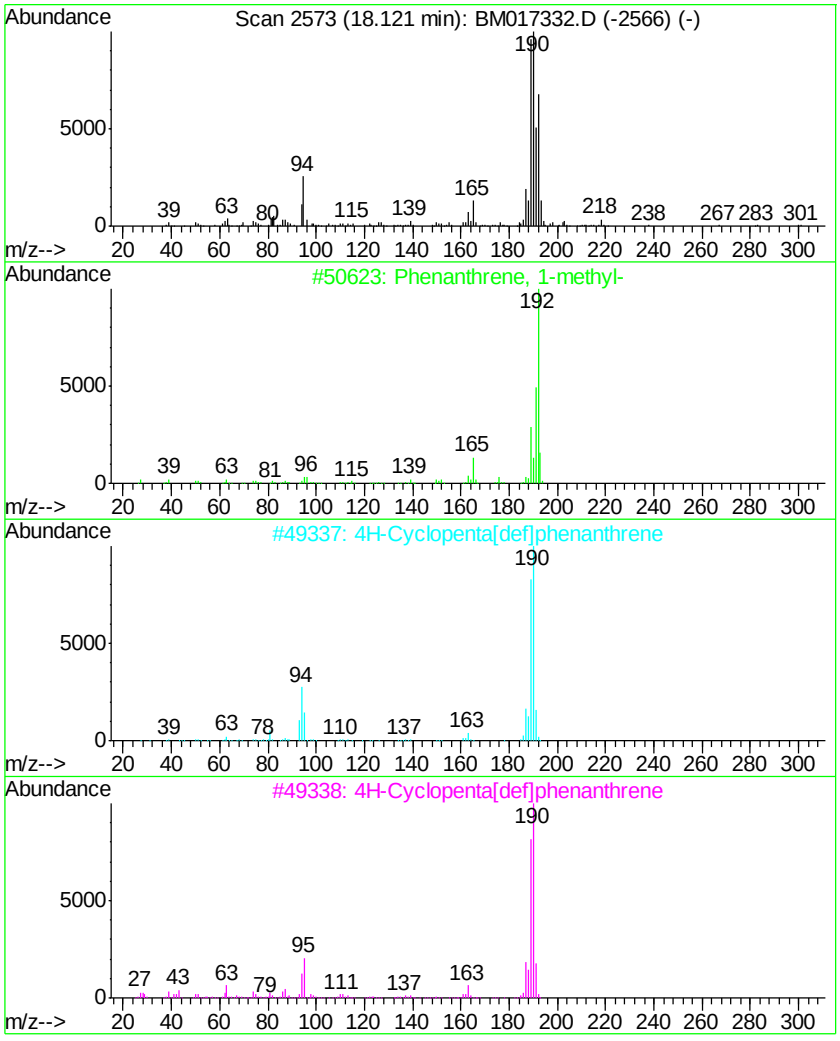
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

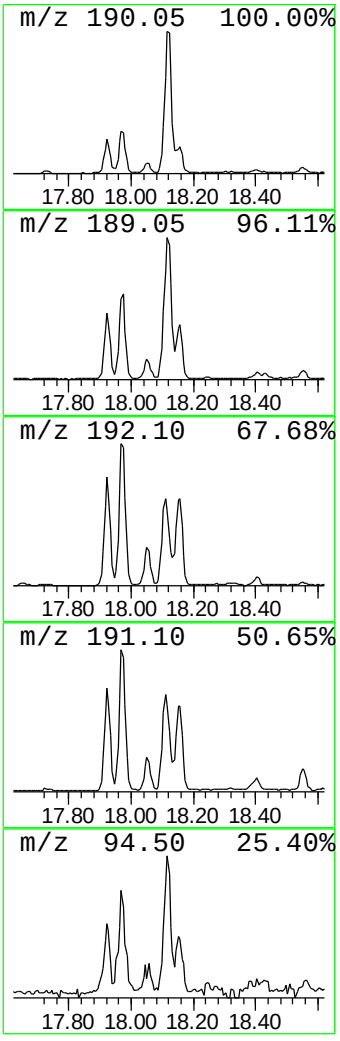
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	4.16 ng/ul	1006220	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	46
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	46





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Data File : BM017332.D
Acq On : 25 Oct 2018 00:08
Operator : MJ/SJ
Sample : J5598-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

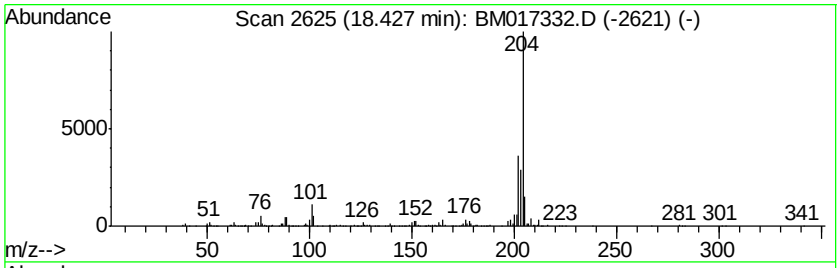
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

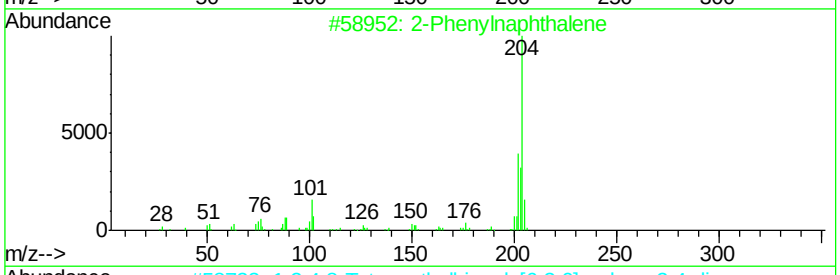
****

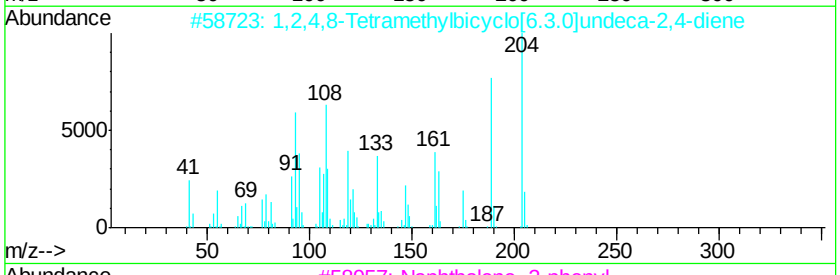
Peak Number 5 2-Phenylnaphthalene Concentration Rank 18

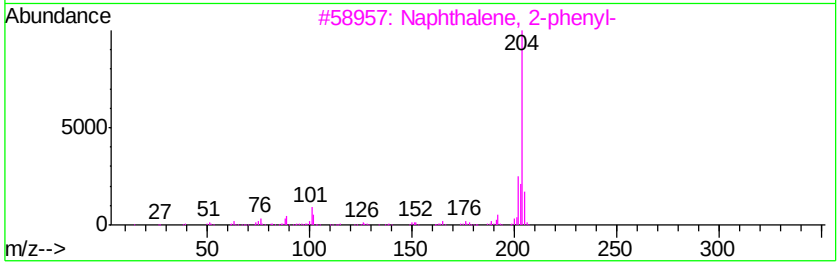
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	2.94 ng/ul	712145	Phenanthrene-d10	17.05

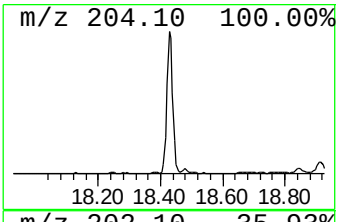
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	96
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	95
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
4	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	90
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87

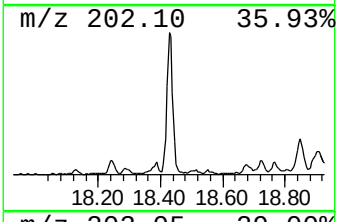


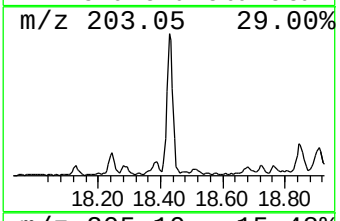


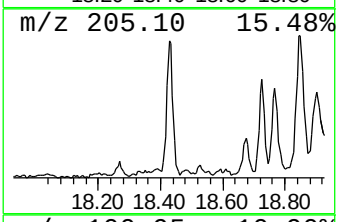


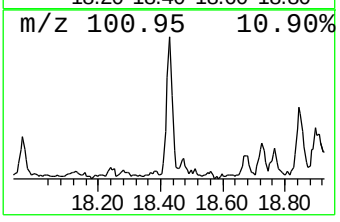












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Acq On : 25 Oct 2018 00:08
Operator : MJ/SJ
Sample : J5598-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE7

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Quant Title : SVOA CALIBRATION

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

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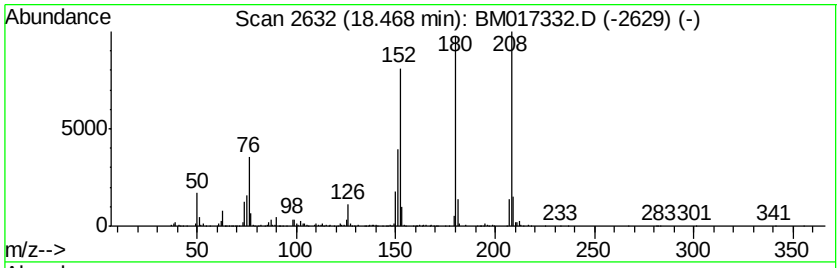
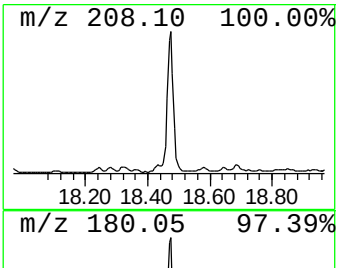
Peak Number 6 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.47	4.57 ng/ul	1107240	Phenanthrene-d10	17.05

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	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	78
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64





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Sample : J5598-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE7

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Quant Title : SVOA CALIBRATION

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

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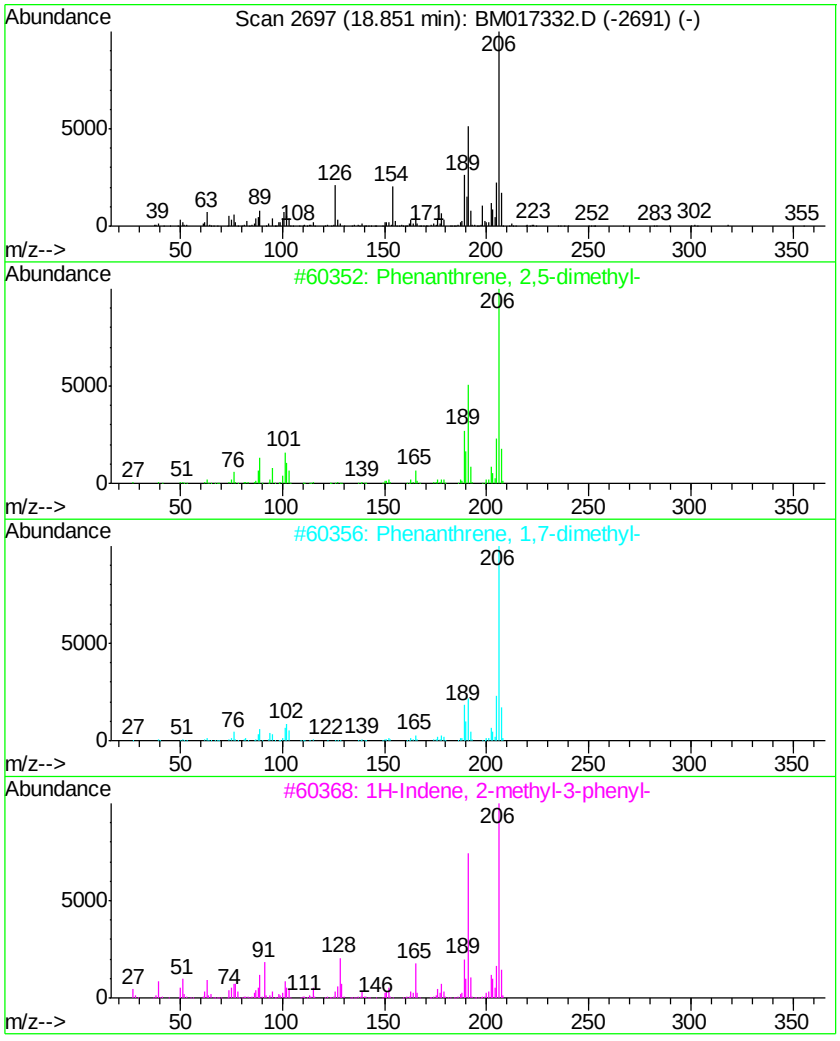
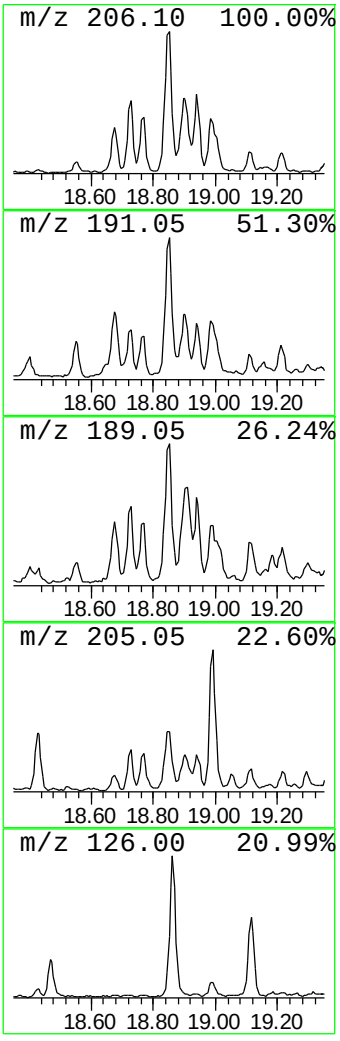
Peak Number 7 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	4.39 ng/ul	1062210	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	89
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	83
3	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	83
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	78
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	78





Library Search Compound Report

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Misc :
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Instrument : BNA_M
ClientSampleId : C0AE7

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Quant Title : SVOA CALIBRATION

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

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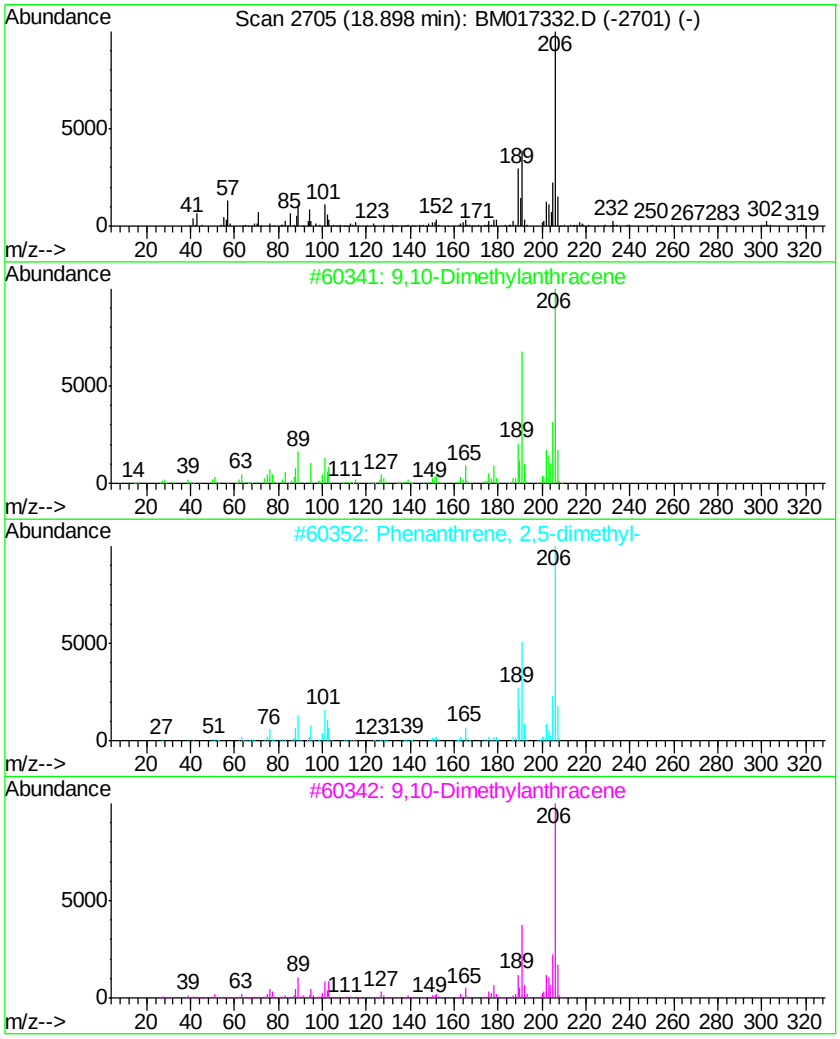
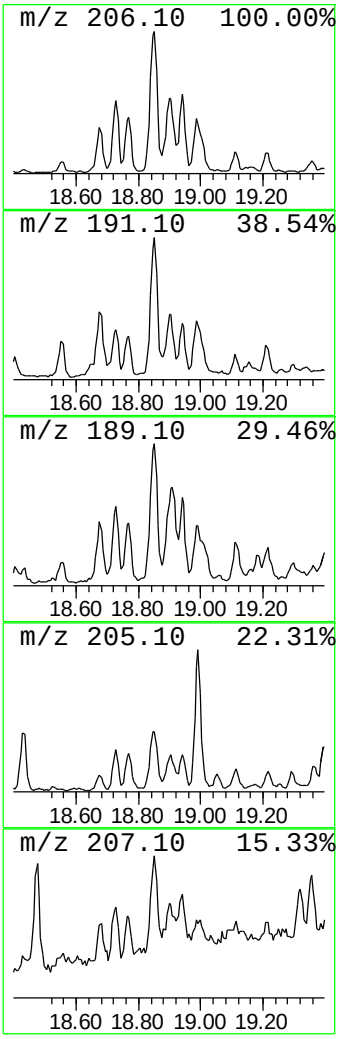
Peak Number 8 9,10-Dimethylanthracene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	2.39 ng/ul	579455	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





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Sample : J5598-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE7

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Quant Title : SVOA CALIBRATION

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

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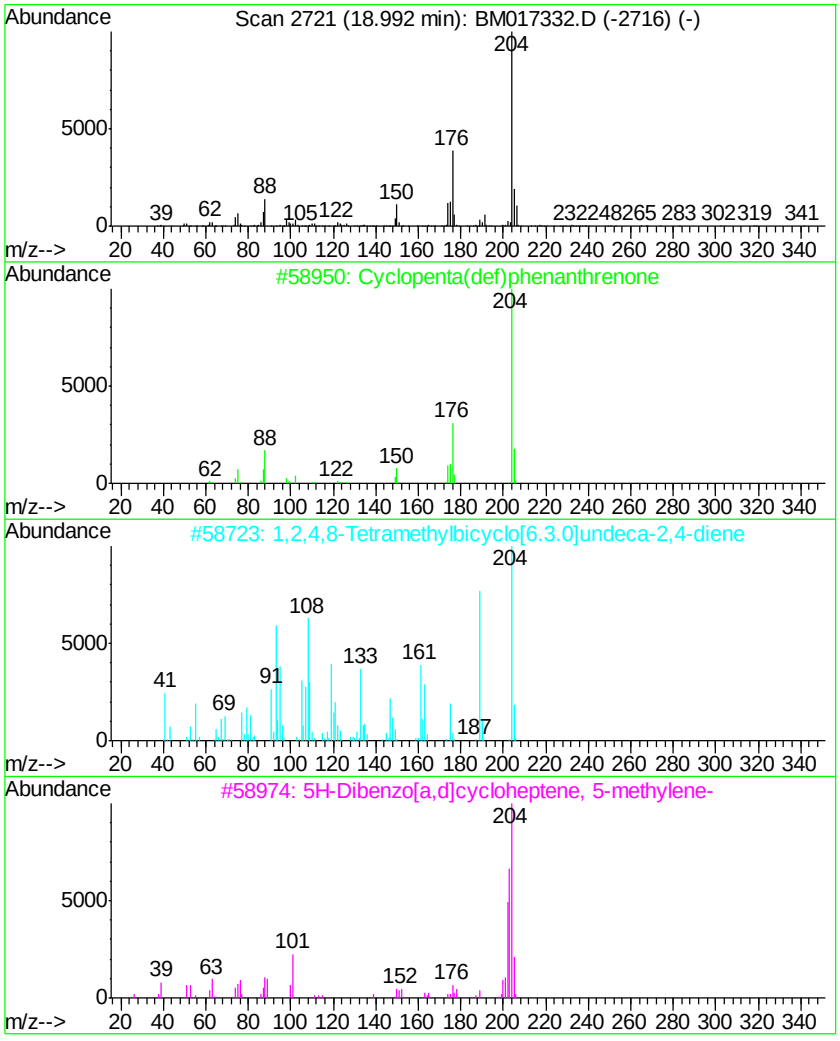
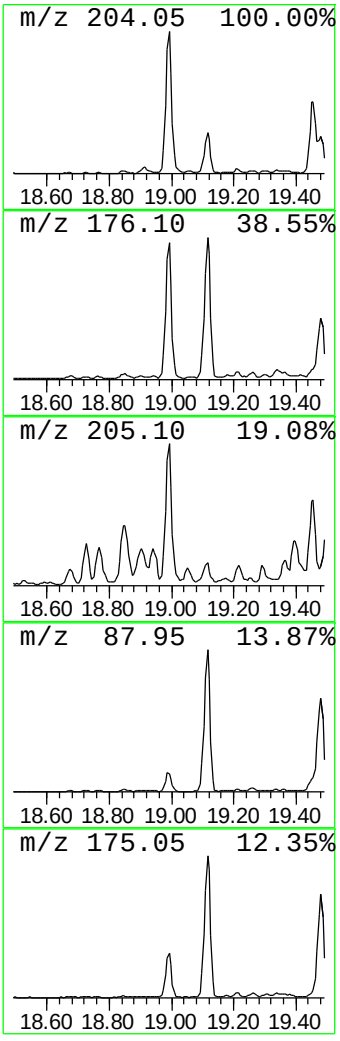
Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	6.25 ng/ul	1513640	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
3	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	47
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	46
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43





Library Search Compound Report

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Sample : J5598-04
Misc :
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Instrument : BNA_M
ClientSampleId : C0AE7

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Quant Title : SVOA CALIBRATION

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

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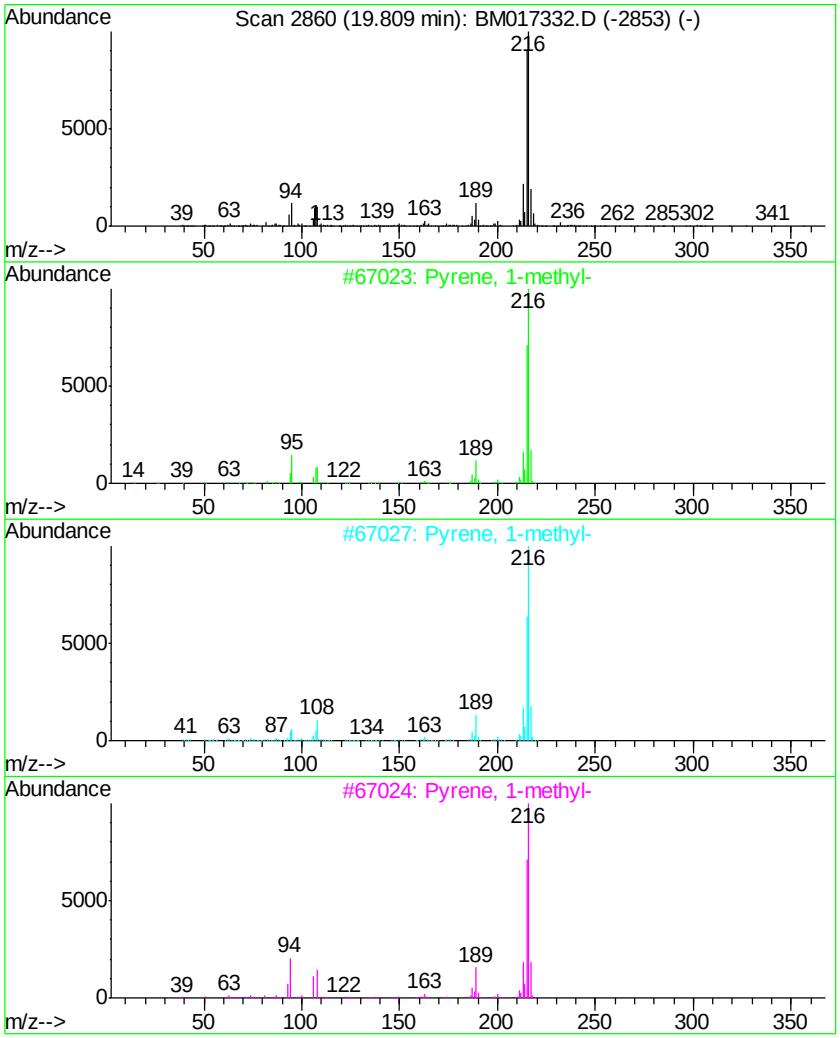
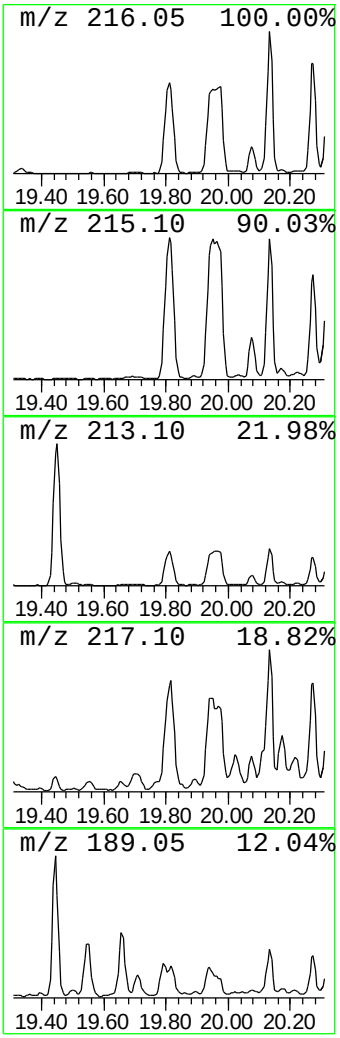
Peak Number 10 Pyrene, 1-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.81	2.59 ng/ul	2809030	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87





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Sample : J5598-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

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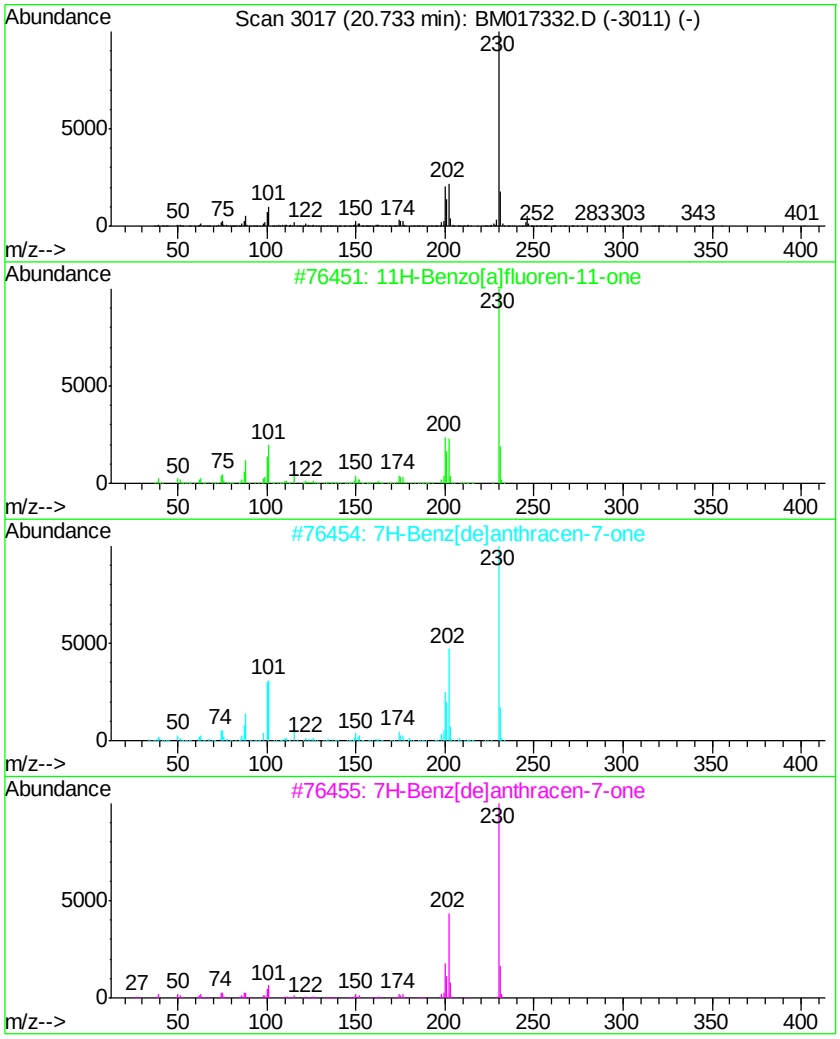
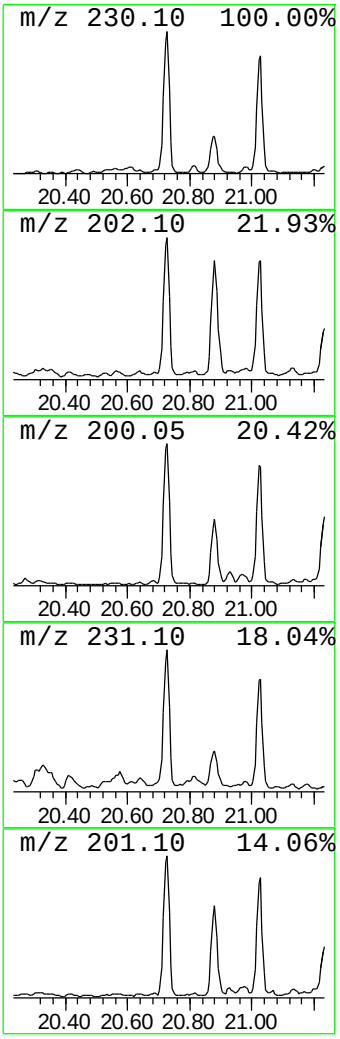
Peak Number 13 11H-Benzo[a]fluoren-11-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.73	3.92 ng/ul	4253500	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76





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Sample : J5598-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE7

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Quant Title : SVOA CALIBRATION

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

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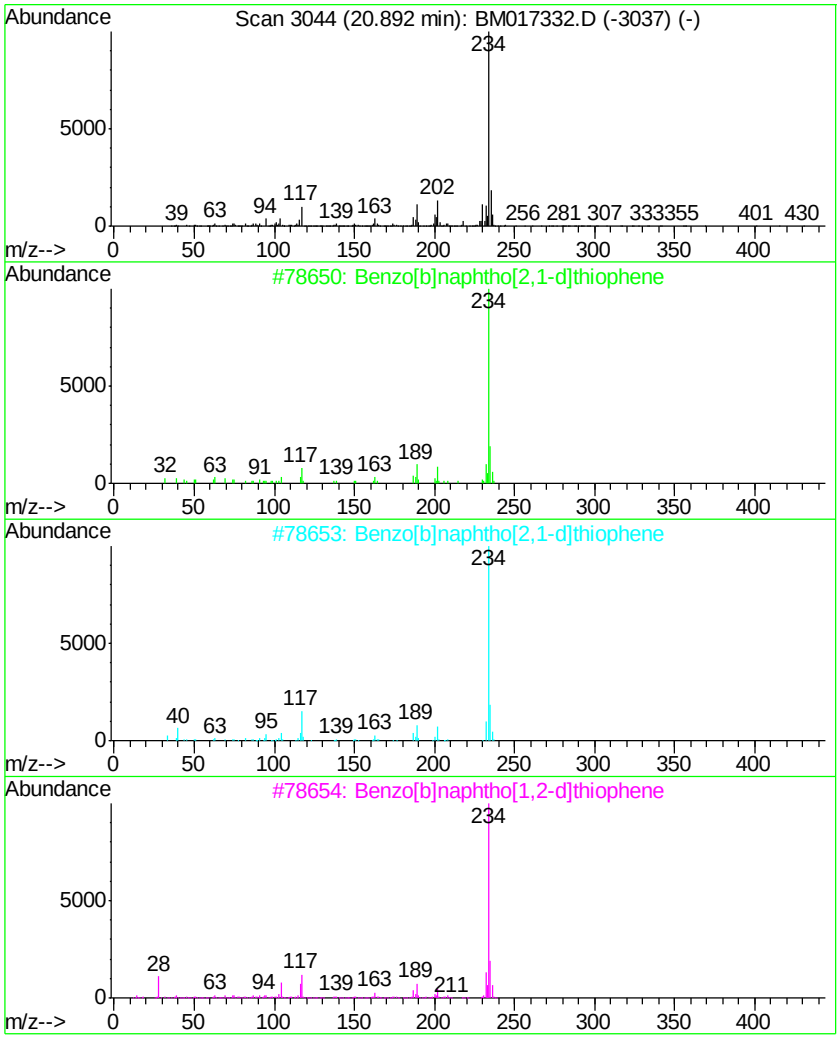
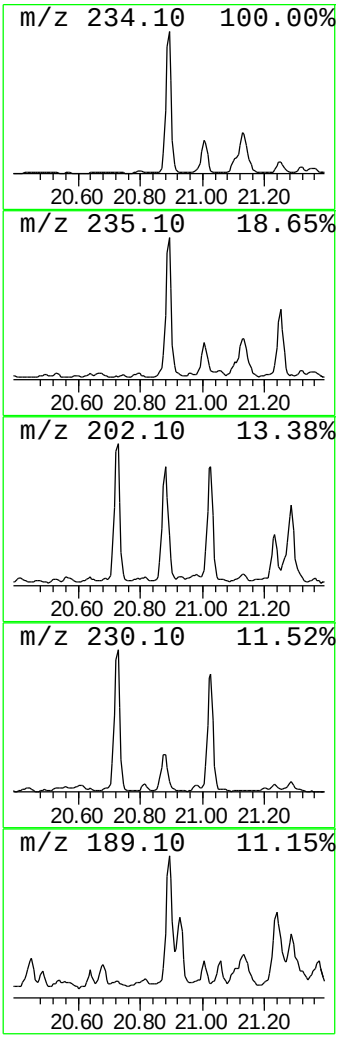
Peak Number 14 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.89	3.43 ng/ul	3731390	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	92
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	64
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	62
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	62





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Sample : J5598-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE7

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Quant Title : SVOA CALIBRATION

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

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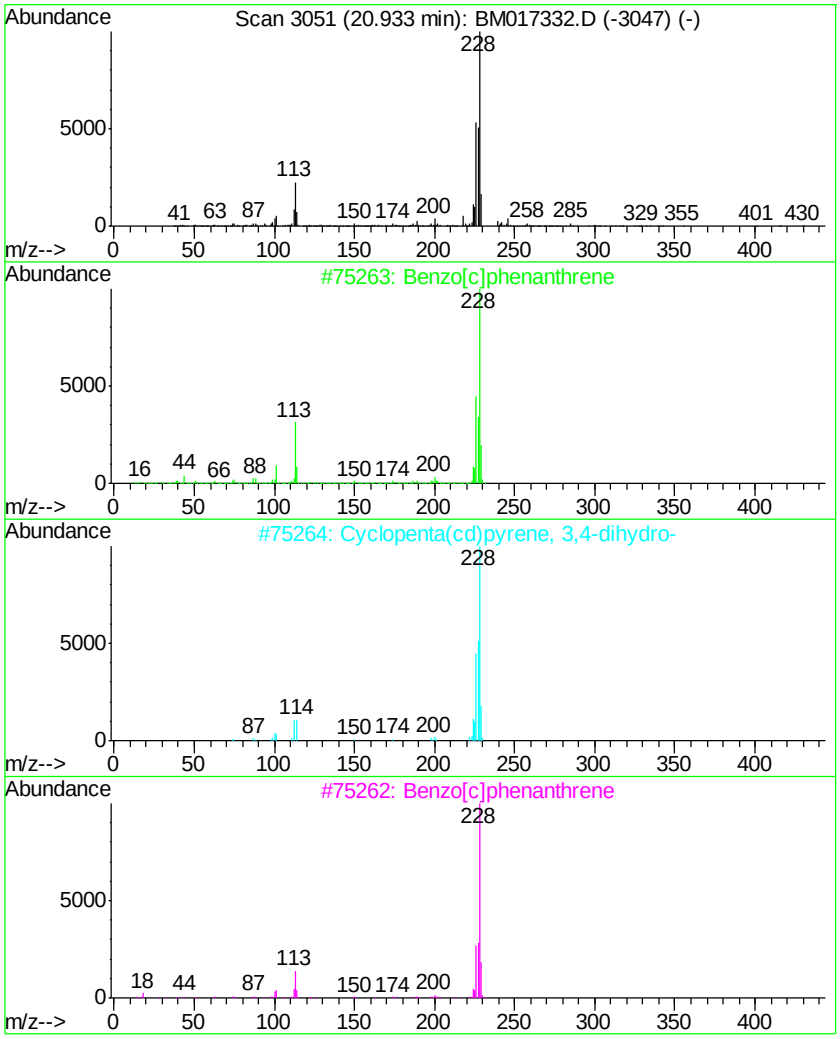
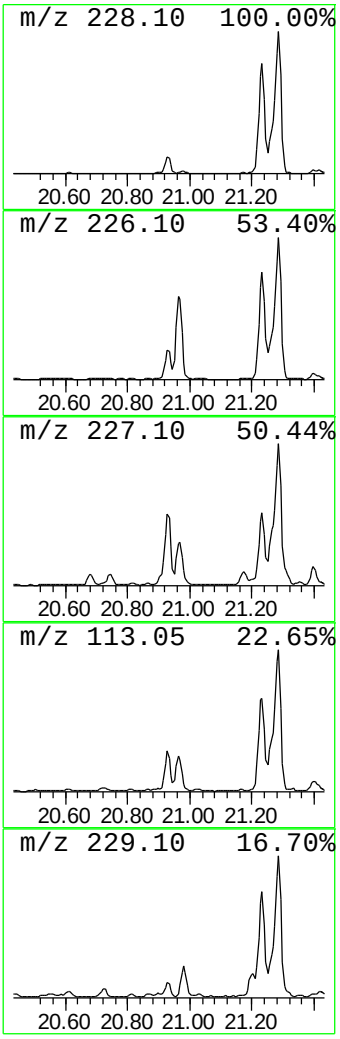
Peak Number 15 Benzo[c]phenanthrene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.93	2.25 ng/ul	2443170	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	91
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	83
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	62
4	Triphenylene	228	C18H12	000217-59-4	55
5	Triphenylene	228	C18H12	000217-59-4	55





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Misc :
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ClientSampleId : C0AE7

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Quant Title : SVOA CALIBRATION

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

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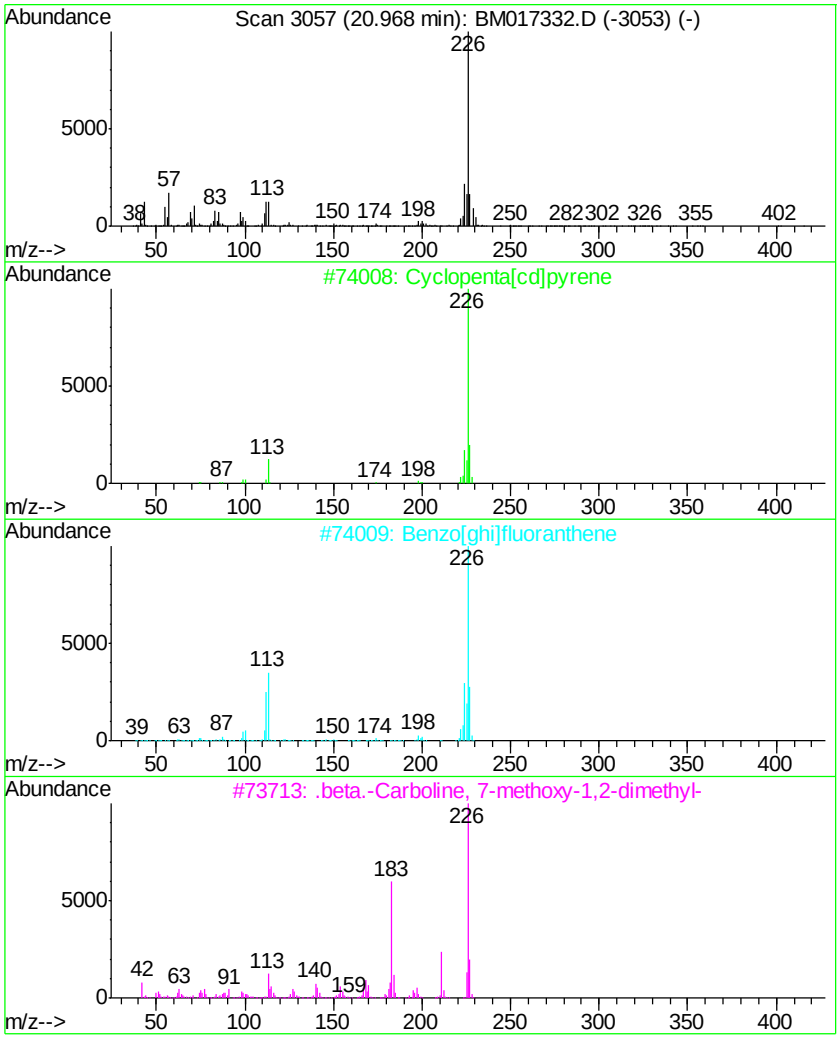
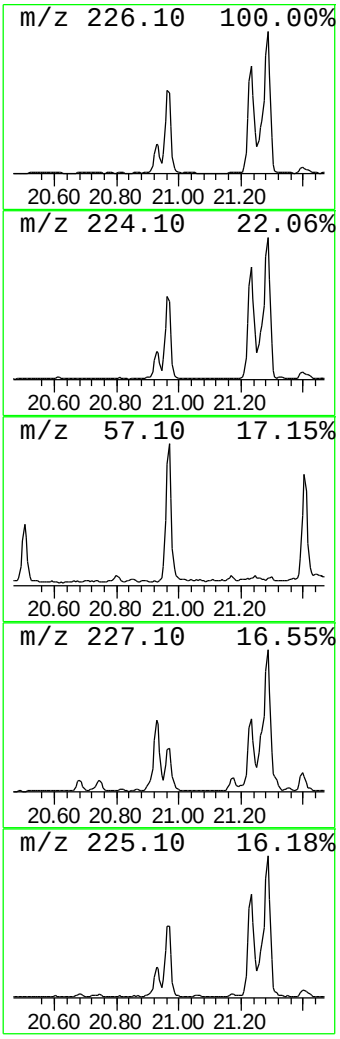
Peak Number 16 Cyclopenta[cd]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.97	3.68 ng/ul	4003520	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	64
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	43
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	40
4	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	38
5	3-Chloro-.alpha.-di-n-heptylamin...	606	C39H59ClN2O	1000251-74-9	37





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Instrument : BNA_M
ClientSampleId : C0AE7

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Quant Title : SVOA CALIBRATION

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

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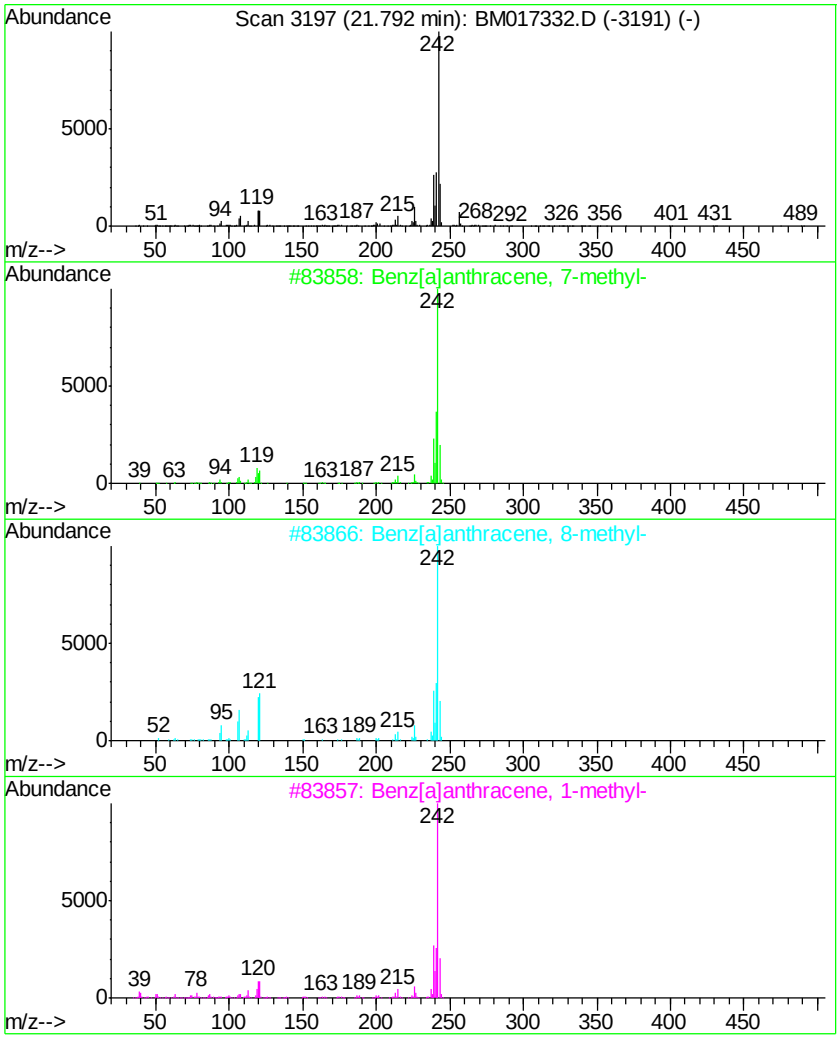
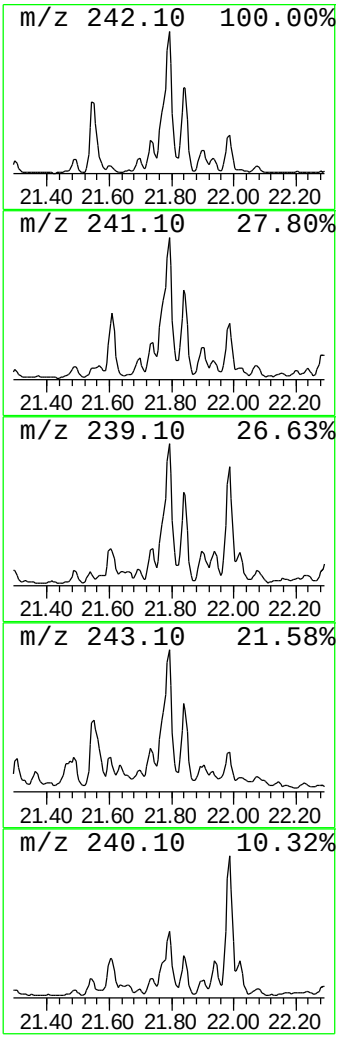
Peak Number 18 Benz[a]anthracene, 7-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.79	2.43 ng/ul	2641100	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	96
2	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	95
3	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	94
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
5	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93





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ClientSampleId : C0AE7

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Quant Title : SVOA CALIBRATION

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

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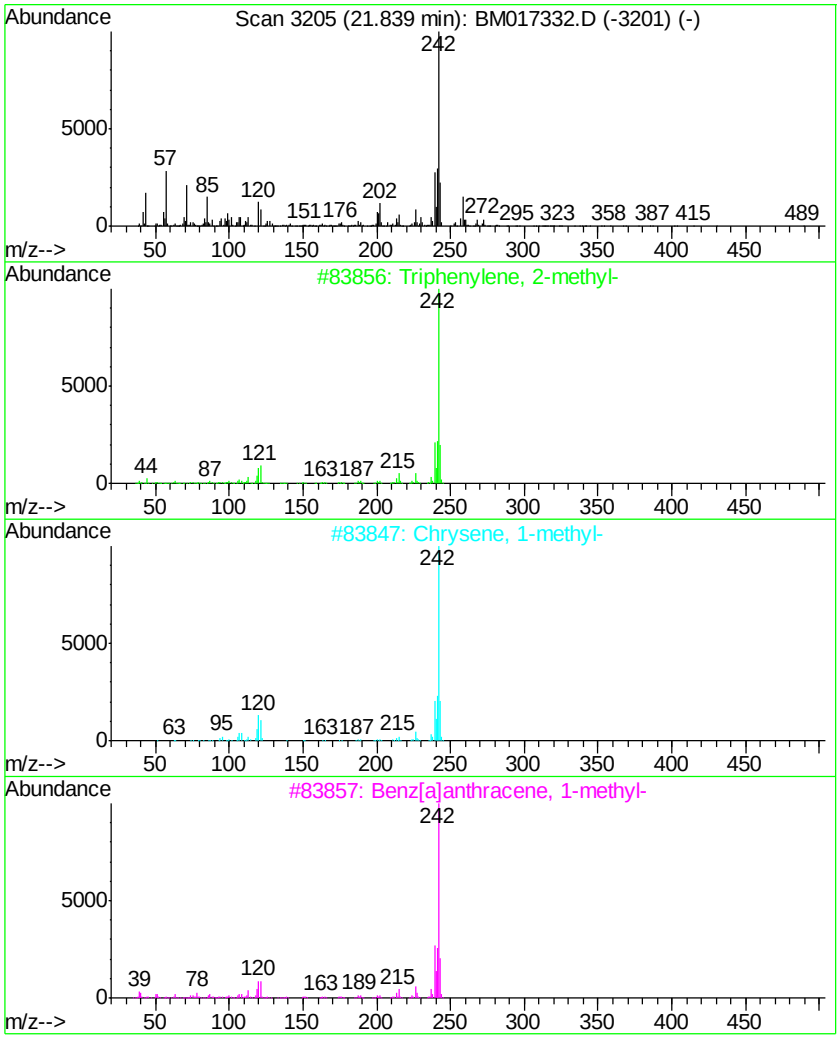
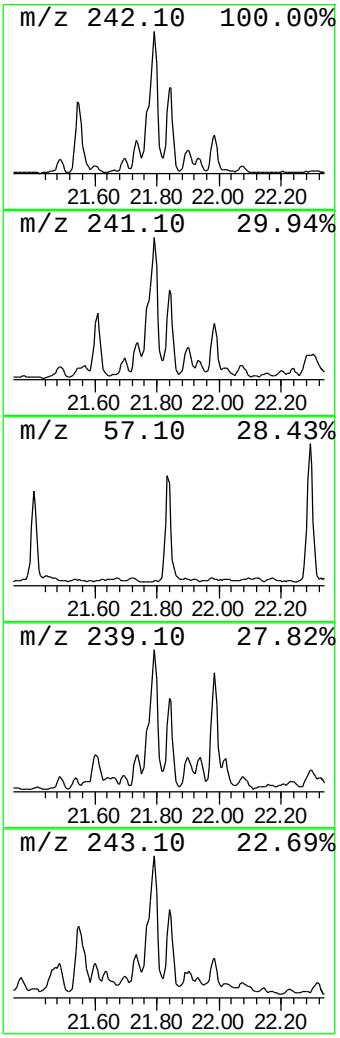
Peak Number 19 Triphenylene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.84	3.11 ng/ul	3378360	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	86
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	83
3	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	83
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	70
5	Chrysene, 6-methyl-	242	C19H14	003697-24-3	70





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Acq On : 25 Oct 2018 00:08
Operator : MJ/SJ
Sample : J5598-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

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

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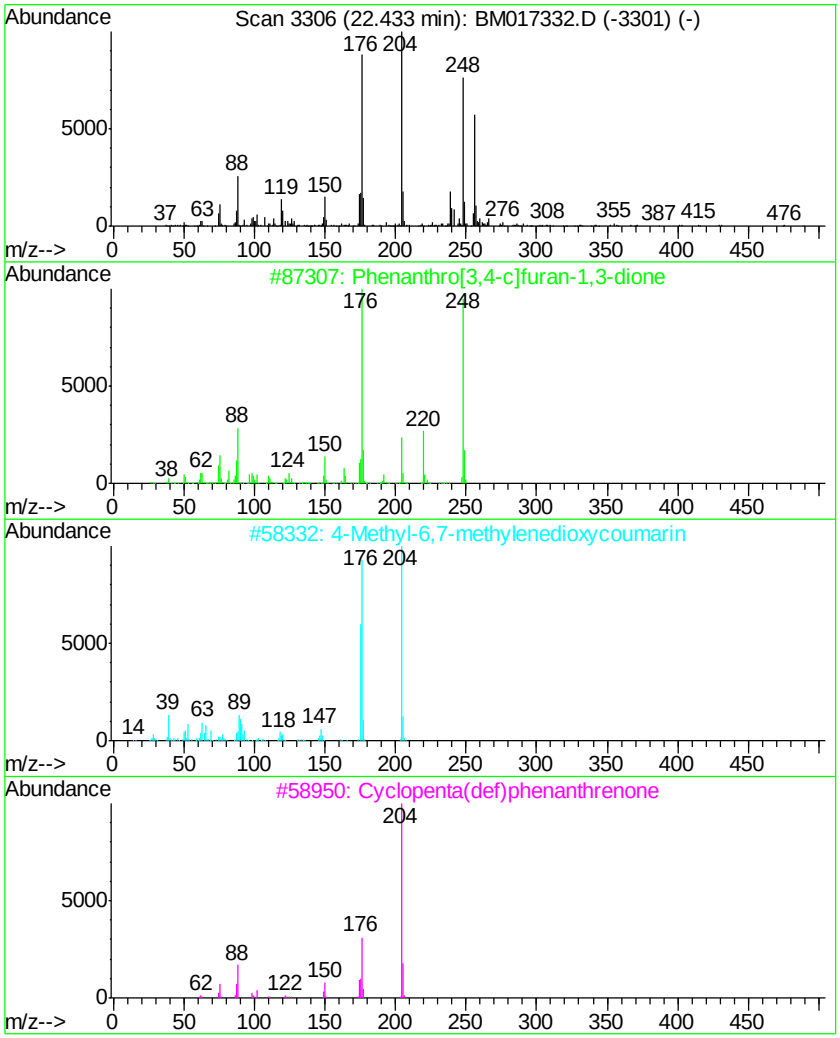
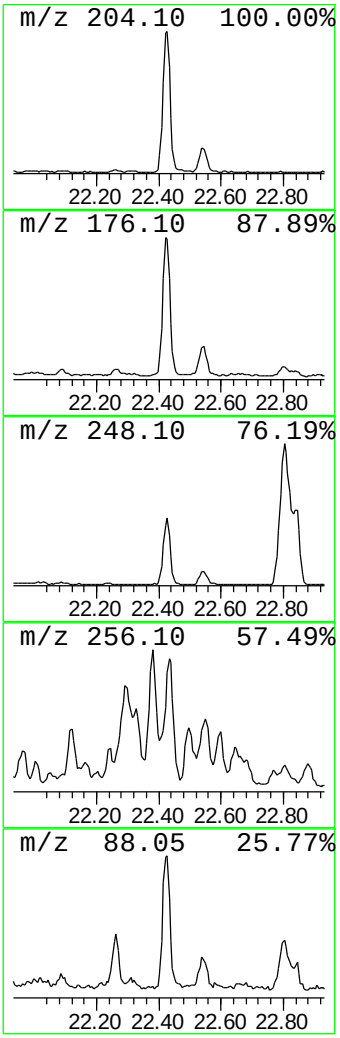
Peak Number 20 Phenanthro[3,4-c]furan-1,3-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.43	4.76 ng/ul	1479260	Perylene-d12	23.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthro[3,4-c]furan-1,3-dione	248	C16H8O3	005723-54-6	52
2	4-Methyl-6,7-methylenedioxycoumarin	204	C11H8O4	015071-04-2	43
3	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	25
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	18
5	(Decahydro-isoquinolin-3-ylidene...	176	C11H16N2	1000185-70-0	14





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Data File : BM017332.D
Acq On : 25 Oct 2018 00:08
Operator : MJ/SJ
Sample : J5598-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

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

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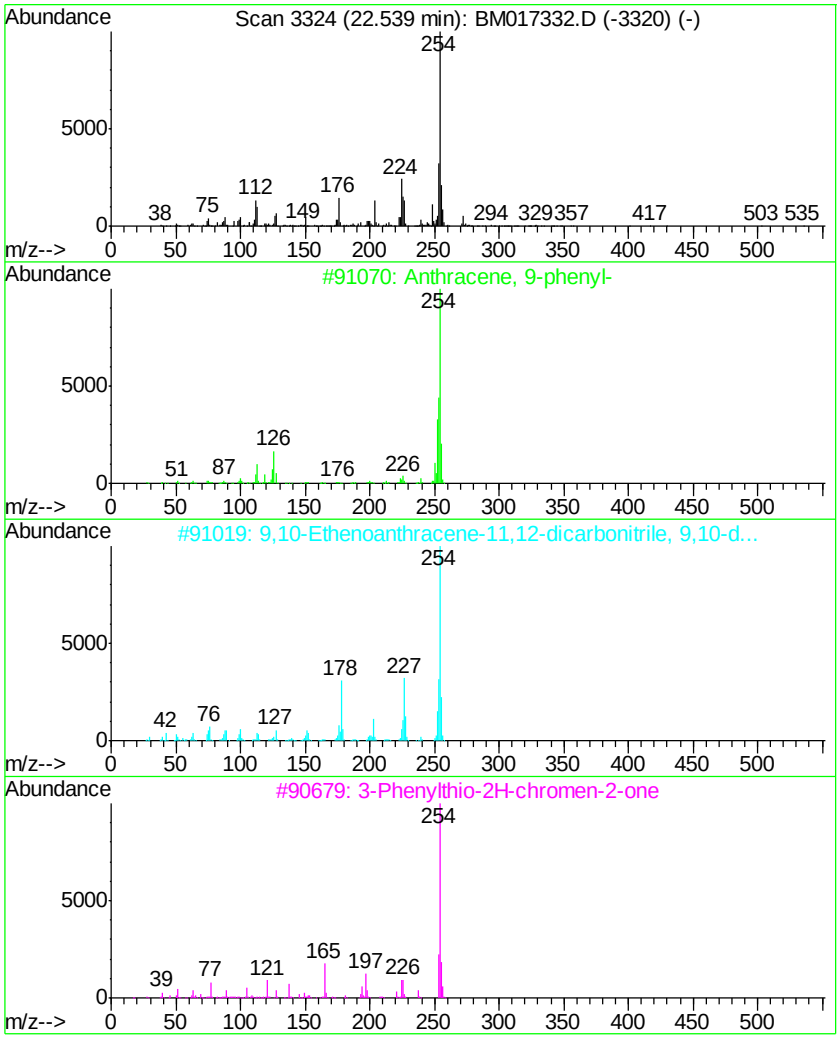
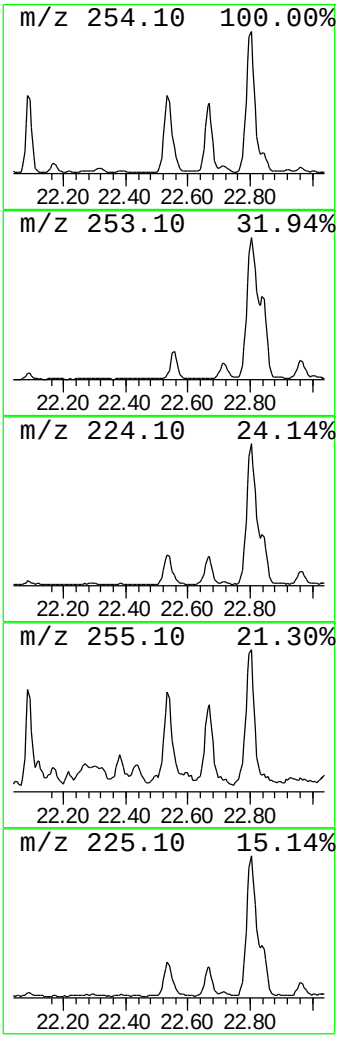
Peak Number 21 Anthracene, 9-phenyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.54	6.69 ng/ul	2079960	Perylene-d12	23.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	70
2	9,10-Ethenoanthracene-11,12-dica...	254	C18H10N2	019067-49-3	68
3	3-Phenylthio-2H-chromen-2-one	254	C15H10O2S	072167-95-4	64
4	2-Hydroxy-4-methyl-5-(p-tolylazo...	254	C15H14N2O2	066777-90-0	59
5	Phenanthrene, 2-phenyl-	254	C20H14	004325-77-3	52





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Data File : BM017332.D
Acq On : 25 Oct 2018 00:08
Operator : MJ/SJ
Sample : J5598-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

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

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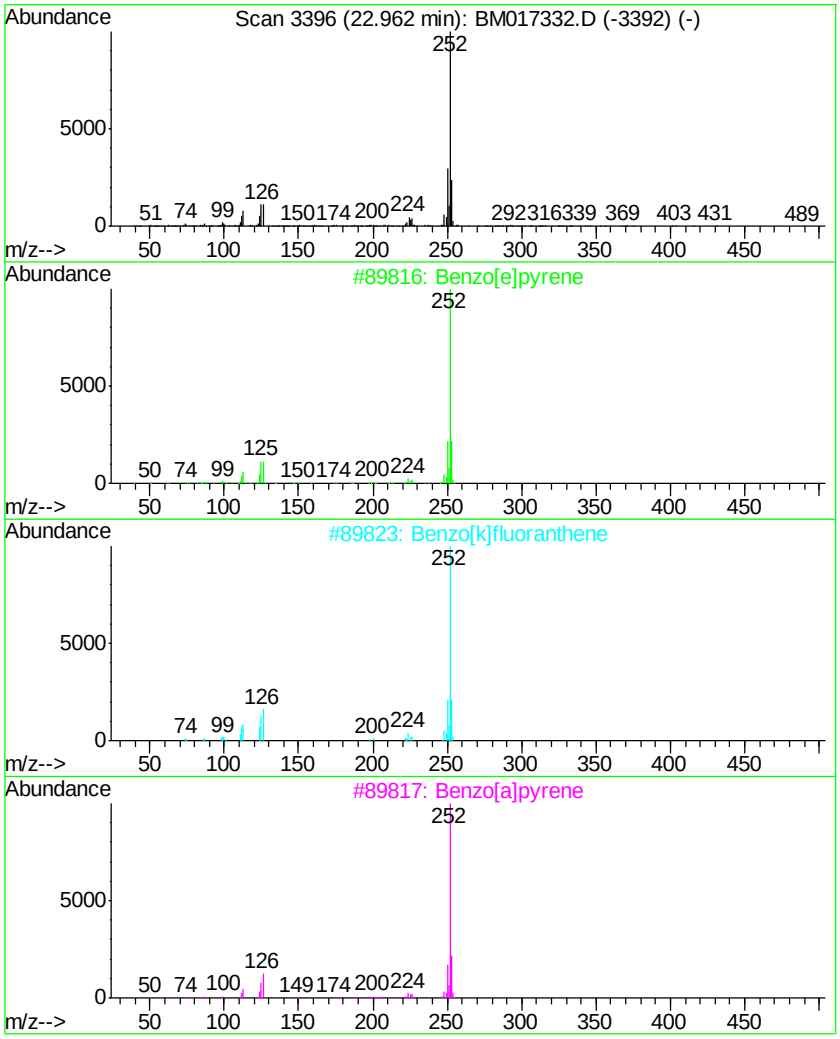
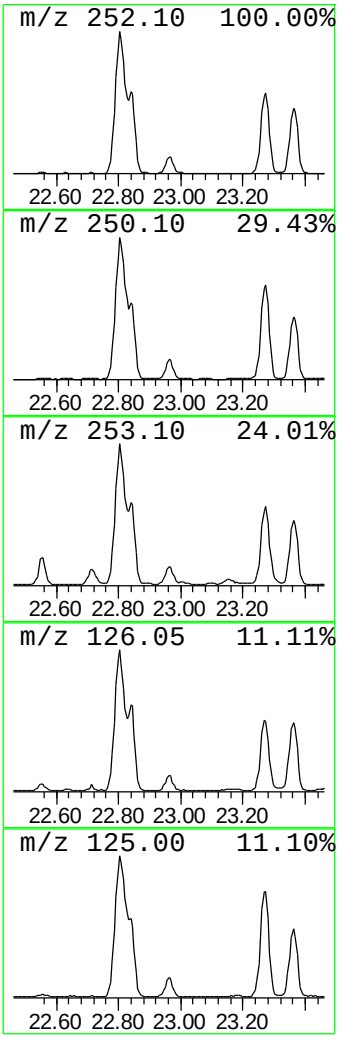
Peak Number 22 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.96	5.17 ng/ul	1608500	Perylene-d12	23.46

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	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017332.D
Acq On : 25 Oct 2018 00:08
Operator : MJ/SJ
Sample : J5598-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

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

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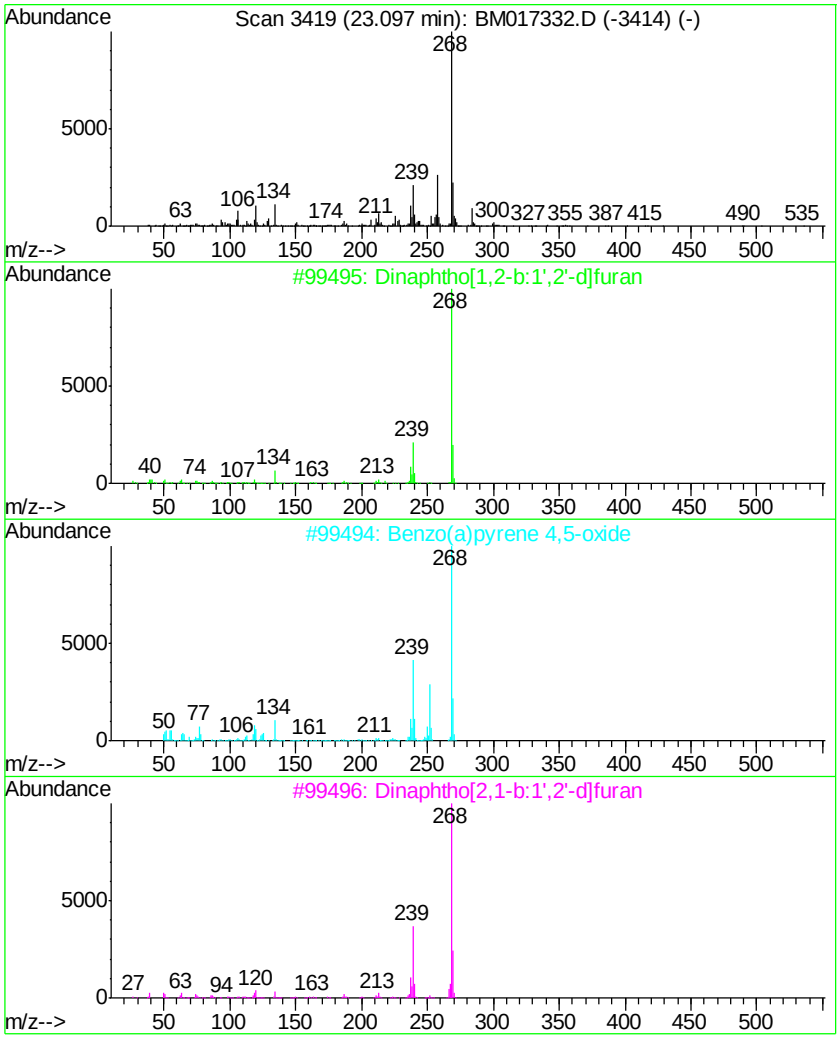
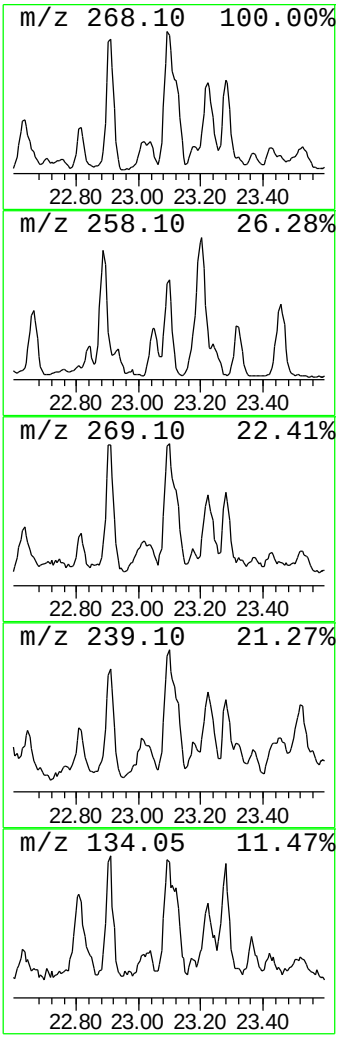
Peak Number 23 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.10	4.68 ng/ul	1455380	Perylene-d12	23.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	93
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	74
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	62
4	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	53
5	Benzo[c]pyren-6,7-diol, 4,5-dihy...	433	C29H23NO3	1000124-59-9	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017332.D
Acq On : 25 Oct 2018 00:08
Operator : MJ/SJ
Sample : J5598-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

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

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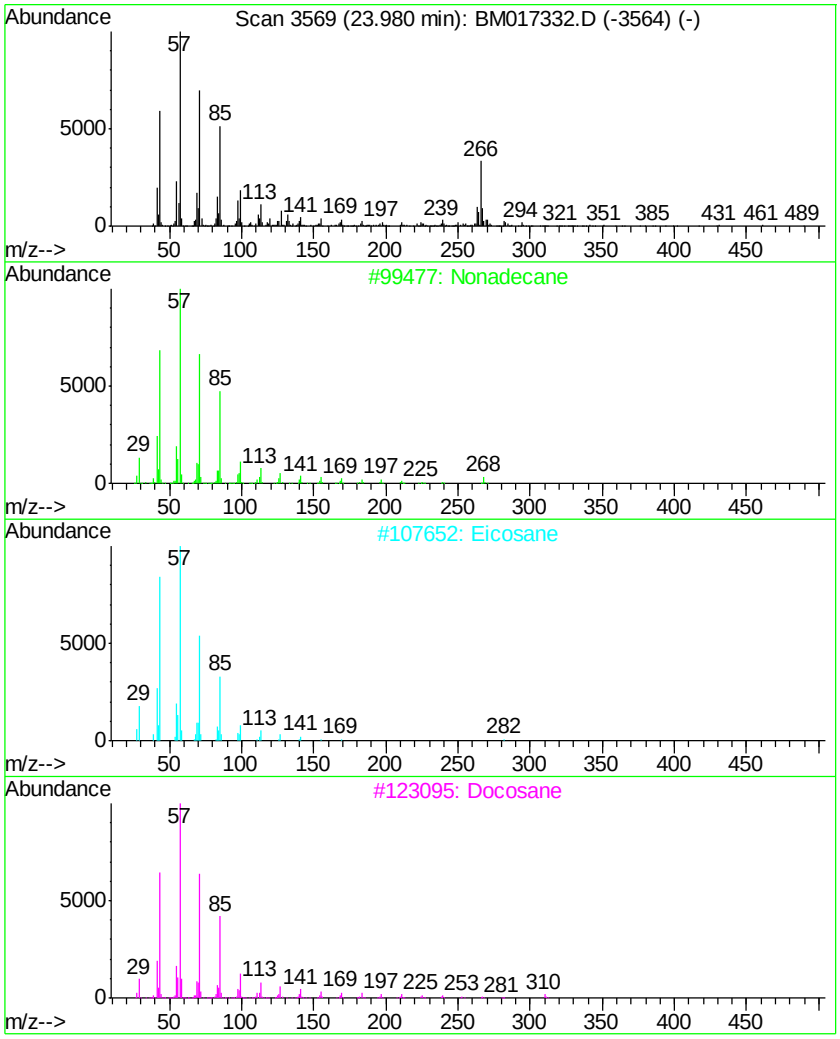
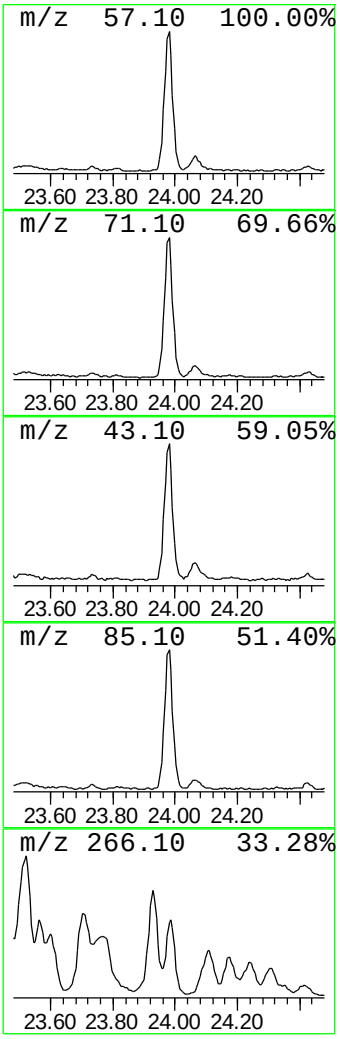
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.98	6.76 ng/ul	2102640	Perylene-d12	23.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	96
2	Eicosane	282	C20H42	000112-95-8	95
3	Docosane	310	C22H46	000629-97-0	86
4	Nonadecane	268	C19H40	000629-92-5	76
5	Octacosane	394	C28H58	000630-02-4	76





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017332.D
Acq On : 25 Oct 2018 00:08
Operator : MJ/SJ
Sample : J5598-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

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

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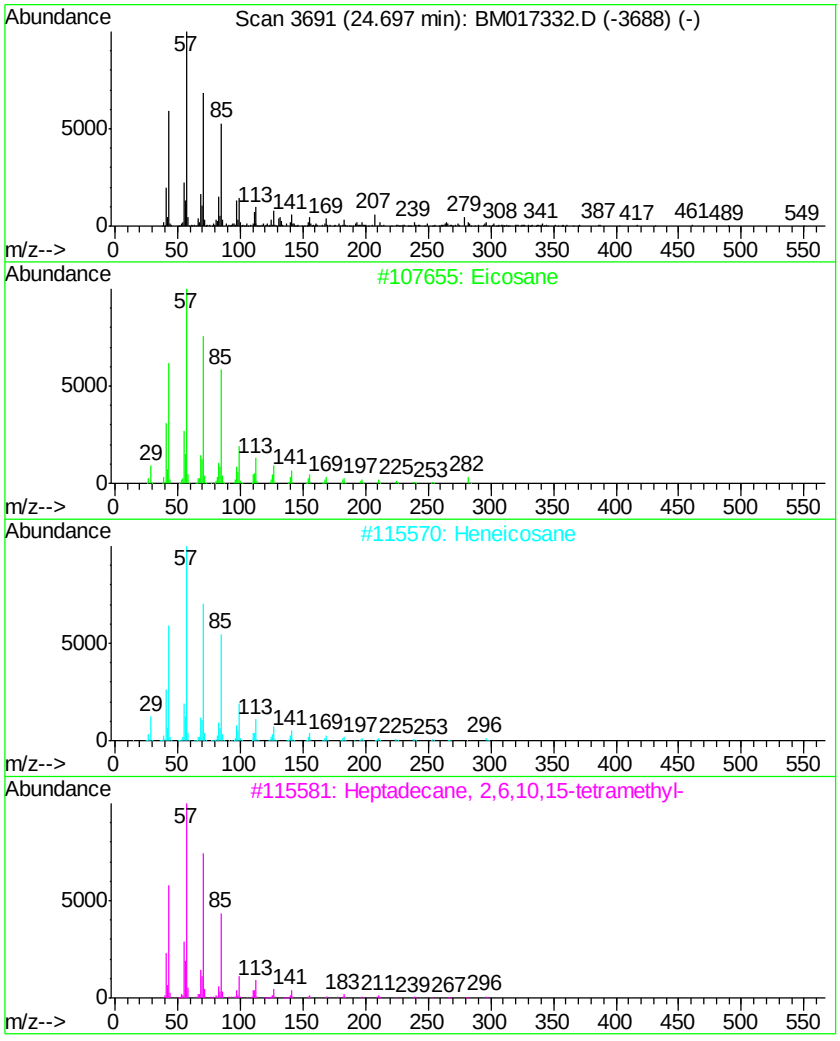
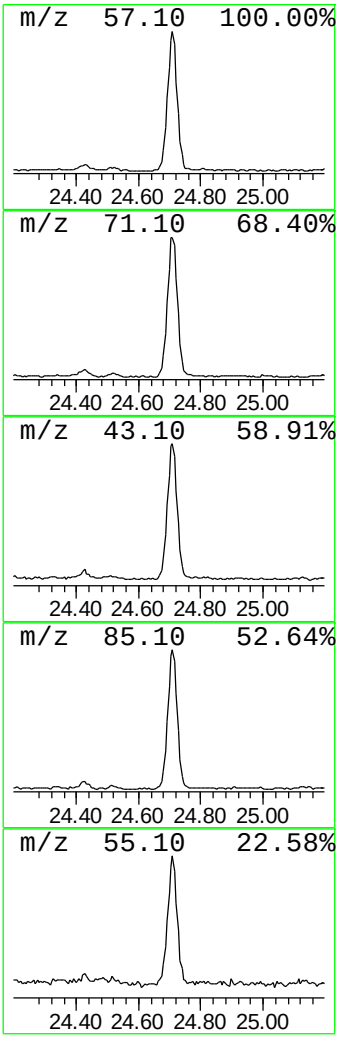
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.70	4.81 ng/ul	1494250	Perylene-d12	23.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	93
2	Heneicosane	296	C21H44	000629-94-7	93
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	93
4	Nonadecane	268	C19H40	000629-92-5	93
5	Triacontane	422	C30H62	000638-68-6	90





Tentatively Identified Compound (LSC) summary

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Data File : BM017332.D
Acq On : 25 Oct 2018 00:08
Operator : MJ/SJ
Sample : J5598-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.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
Anthracene, 1-met...	17.92	2.7	ng/ul	662704	4	17.05	4841020	20.0
Phenanthrene, 2-m...	17.96	7.0	ng/ul	1707130	4	17.05	4841020	20.0
Phenanthrene, 1-m...	18.12	4.2	ng/ul	1006220	4	17.05	4841020	20.0
2-Phenylnaphthalene	18.43	2.9	ng/ul	712145	4	17.05	4841020	20.0
9,10-Anthracenedione	18.47	4.6	ng/ul	1107240	4	17.05	4841020	20.0
Phenanthrene, 2,5...	18.85	4.4	ng/ul	1062210	4	17.05	4841020	20.0
9,10-Dimethylanth...	18.90	2.4	ng/ul	579455	4	17.05	4841020	20.0
Cyclopenta(def)ph...	18.99	6.3	ng/ul	1513640	4	17.05	4841020	20.0
Pyrene, 1-methyl-	19.81	2.6	ng/ul	2809030	5	21.24	21728800	20.0
11H-Benzo[a]fluor...	20.73	3.9	ng/ul	4253500	5	21.24	21728800	20.0
Benzo[b]naphtho[2...	20.89	3.4	ng/ul	3731390	5	21.24	21728800	20.0
Benzo[c]phenanthrene	20.93	2.3	ng/ul	2443170	5	21.24	21728800	20.0
Cyclopenta[cd]pyrene	20.97	3.7	ng/ul	4003520	5	21.24	21728800	20.0
Benz[a]anthracene...	21.79	2.4	ng/ul	2641100	5	21.24	21728800	20.0
Triphenylene, 2-m...	21.84	3.1	ng/ul	3378360	5	21.24	21728800	20.0
Phenanthro[3,4-c]...	22.43	4.8	ng/ul	1479260	6	23.46	6216440	20.0
Anthracene, 9-phe...	22.54	6.7	ng/ul	2079960	6	23.46	6216440	20.0
Benzo[e]pyrene	22.96	5.2	ng/ul	1608500	6	23.46	6216440	20.0
Dinaphtho[1,2-b:1...	23.10	4.7	ng/ul	1455380	6	23.46	6216440	20.0
(DEL) Alkane: Str...	23.98	6.8	ng/ul	2102640	6	23.46	6216440	20.0
(DEL) Alkane: Str...	24.70	4.8	ng/ul	1494250	6	23.46	6216440	20.0