LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121418\
Data File : BM018192.D
Acq On : 15 Dec 2018 06:24
Operator : JU/SJ
Sample : J6238-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE8B6

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-BM121318MA.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	6.711	641	650	663	rBV2	378642	787605	7.48%	0.668%
2	6.863	670	676	685	rBV	355541	529221	5.03%	0.449%
3	7.052	701	708	716	rBV	441119	727321	6.91%	0.617%
4	7.510	779	786	795	rBV	727250	1138060	10.81%	0.965%
5	8.228	902	908	918	rBV	475844	821628	7.80%	0.697%
6	8.669	974	983	994	rBV	411093	725356	6.89%	0.615%
7	9.381	1094	1104	1112	rBV	337488	598035	5.68%	0.507%
8	9.916	1188	1195	1212	rBV	475530	904158	8.59%	0.767%
9	10.275	1243	1256	1261	rBV	1020382	1716911	16.30%	1.456%
10	10.328	1261	1265	1271	rVB	184136	302405	2.87%	0.256%
11	10.434	1278	1283	1301	rBV	252551	561216	5.33%	0.476%
12	11.951	1535	1541	1547	rVB	167137	264551	2.51%	0.224%
13	12.175	1571	1579	1589	rVB	160285	283828	2.70%	0.241%
14	12.987	1712	1717	1723	rVV3	76955	130638	1.24%	0.111%
15	13.187	1746	1751	1760	rVB	72337	154923	1.47%	0.131%
16	13.340	1769	1777	1785	rBV4	99043	264914	2.52%	0.225%
17	13.481	1795	1801	1806	rBV2	209718	377541	3.59%	0.320%
18	13.534	1806	1810	1814	rVV2	122741	207687	1.97%	0.176%
19	13.587	1814	1819	1824	rVV	886898	1310865	12.45%	1.111%
20	13.640	1824	1828	1834	rVV2	143920	232708	2.21%	0.197%
21	13.722	1837	1842	1845	rVV3	110582	189198	1.80%	0.160%
22	13.857	1859	1865	1878	rBV	1015374	1719424	16.33%	1.458%
23	14.169	1905	1918	1924	rBV2	1402271	2289031	21.74%	1.941%
24	14.234	1924	1929	1937	rVB	804278	1241698	11.79%	1.053%
25	14.381	1949	1954	1958	rBV3	63623	144205	1.37%	0.122%
26	14.428	1959	1962	1966	rVV2	109117	197084	1.87%	0.167%
27	14.481	1966	1971	1977	rVV2	167038	316719	3.01%	0.269%
28	14.569	1981	1986	1992	rVV	546406	839412	7.97%	0.712%
29	14.651	1996	2000	2005	rVV	109547	159142	1.51%	0.135%
30	14.792	2018	2024	2029	rBV2	108800	202557	1.92%	0.172%
31	14.963	2046	2053	2057	rBV4	96367	224615	2.13%	0.190%
32	15.169	2083	2088	2093	rVV	1236982	1775919	16.86%	1.506%
33	15.228	2093	2098	2103	rVV	1080628	1517060	14.41%	1.286%
34	15.328	2109	2115	2116	rBV2	137384	211544	2.01%	0.179%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121418\
Data File : BM018192.D
Acq On : 15 Dec 2018 06:24
Operator : JU/SJ
Sample : J6238-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE8B6

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-BM121318MA.M
Title : SVOA CALIBRATION

35	15.351	2116	2119	2122	rVV2	186925	272499	2.59%	0.231%
36	15.386	2122	2125	2130	rVV3	217465	298259	2.83%	0.253%
37	15.439	2130	2134	2137	rVV2	117923	164193	1.56%	0.139%
38	15.522	2144	2148	2156	rVB	276602	480850	4.57%	0.408%
39	15.675	2165	2174	2181	rVB	232898	501218	4.76%	0.425%
40	15.910	2209	2214	2221	rBV5	134344	270469	2.57%	0.229%
41	16.039	2227	2236	2240	rBV6	58718	161845	1.54%	0.137%
42	16.233	2258	2269	2274	rBV3	363791	847490	8.05%	0.718%
43	16.286	2274	2278	2284	rVV2	210837	356279	3.38%	0.302%
44	16.386	2291	2295	2300	rVB2	174738	258449	2.45%	0.219%
45	16.504	2311	2315	2318	rVB3	132345	192424	1.83%	0.163%
46	16.592	2326	2330	2335	rVB5	106776	185935	1.77%	0.158%
47	16.675	2337	2344	2352	rVV4	153132	487334	4.63%	0.413%
48	16.745	2352	2356	2366	rVB	446186	722498	6.86%	0.613%
49	16.933	2382	2388	2391	rBV	1300514	2019198	19.17%	1.712%
50	16.980	2391	2396	2400	rVV	7438172	10530994	100.00%	8.928%
51	17.028	2400	2404	2407	rVV	1170231	1700073	16.14%	1.441%
52	17.063	2407	2410	2416	rVB	1967949	2629461	24.97%	2.229%
53	17.128	2416	2421	2426	rBV2	180234	327263	3.11%	0.277%
54	17.345	2451	2458	2469	rBV2	296427	698516	6.63%	0.592%
55	17.451	2472	2476	2480	rVV	211382	301037	2.86%	0.255%
56	17.510	2482	2486	2495	rVB2	170275	311999	2.96%	0.265%
57	17.651	2506	2510	2516	rBV	114606	193728	1.84%	0.164%
58	17.804	2531	2536	2540	rBV	1121190	1502254	14.27%	1.274%
59	17.857	2540	2545	2551	rVB	1393033	2172794	20.63%	1.842%
60	17.939	2554	2559	2563	rVV	553195	820978	7.80%	0.696%
61	17.998	2564	2569	2573	rVV2	1579696	2759693	26.21%	2.340%
62	18.039	2573	2576	2582	rVB	706406	983827	9.34%	0.834%
63	18.127	2587	2591	2595	rBV3	126533	197086	1.87%	0.167%
64	18.269	2611	2615	2619	rBV4	177997	283882	2.70%	0.241%
65	18.316	2619	2623	2627	rVV	734513	999998	9.50%	0.848%
66	18.369	2628	2632	2639	rVV	223765	346743	3.29%	0.294%
67	18.439	2640	2644	2648	rVB	142445	187504	1.78%	0.159%
68	18.557	2657	2664	2669	rBV3	368274	706478	6.71%	0.599%
69	18.616	2670	2674	2677	rVV	233527	305939	2.91%	0.259%
70	18.657	2677	2681	2684	rVB	152820	208074	1.98%	0.176%
71	18.739	2690	2695	2699	rBV	610248	1072309	10.18%	0.909%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121418\
Data File : BM018192.D
Acq On : 15 Dec 2018 06:24
Operator : JU/SJ
Sample : J6238-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE8B6

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-BM121318MA.M
Title : SVOA CALIBRATION

72	18.798	2703	2705	2709	rVB2	262362	322417	3.06%	0.273%
73	18.880	2715	2719	2727	rBV5	247346	594686	5.65%	0.504%
74	19.010	2734	2741	2746	rBV	7908566	10153592	96.42%	8.608%
75	19.063	2746	2750	2754	rVV3	262896	404096	3.84%	0.343%
76	19.104	2755	2757	2760	rBV3	166921	178778	1.70%	0.152%
77	19.251	2779	2782	2785	rVB2	184310	213939	2.03%	0.181%
78	19.345	2792	2798	2799	rBV2	2024216	2677798	25.43%	2.270%
79	19.374	2799	2803	2811	rVV	6744966	9572883	90.90%	8.116%
80	19.445	2811	2815	2821	rVB2	329673	536871	5.10%	0.455%
81	19.551	2831	2833	2839	rVB	258990	323941	3.08%	0.275%
82	19.616	2841	2844	2849	rVB2	265473	400098	3.80%	0.339%
83	19.704	2854	2859	2865	rVV4	411305	893432	8.48%	0.757%
84	19.839	2878	2882	2883	rBV3	273275	361170	3.43%	0.306%
85	19.874	2884	2888	2893	rVB2	1012527	1415561	13.44%	1.200%
86	19.974	2901	2905	2909	rBV	868419	1017824	9.67%	0.863%
87	20.033	2910	2915	2919	rVV2	603934	897435	8.52%	0.761%
88	20.174	2935	2939	2942	rBV	359367	497209	4.72%	0.422%
89	20.216	2943	2946	2950	rVB	474633	623747	5.92%	0.529%
90	20.792	3041	3044	3047	rBV2	348787	464841	4.41%	0.394%
91	20.833	3047	3051	3054	rVV2	1000782	1259664	11.96%	1.068%
92	20.868	3054	3057	3063	rVB2	529489	800316	7.60%	0.679%
93	21.068	3088	3091	3098	rBV	672614	1134250	10.77%	0.962%
94	21.139	3098	3103	3108	rVV2	3738027	7052761	66.97%	5.979%
95	21.186	3108	3111	3121	rVB	3122651	4195658	39.84%	3.557%
96	21.304	3128	3131	3137	rVB	507889	738304	7.01%	0.626%
97	22.680	3359	3365	3370	rBV	2252909	5209363	49.47%	4.416%
98	23.133	3438	3442	3447	rBV	1094342	1633115	15.51%	1.385%
99	23.227	3454	3458	3463	rVB	2271062	3573807	33.94%	3.030%
100	23.315	3469	3473	3477	rBV2	832296	1278391	12.14%	1.084%

Sum of corrected areas: 117952696

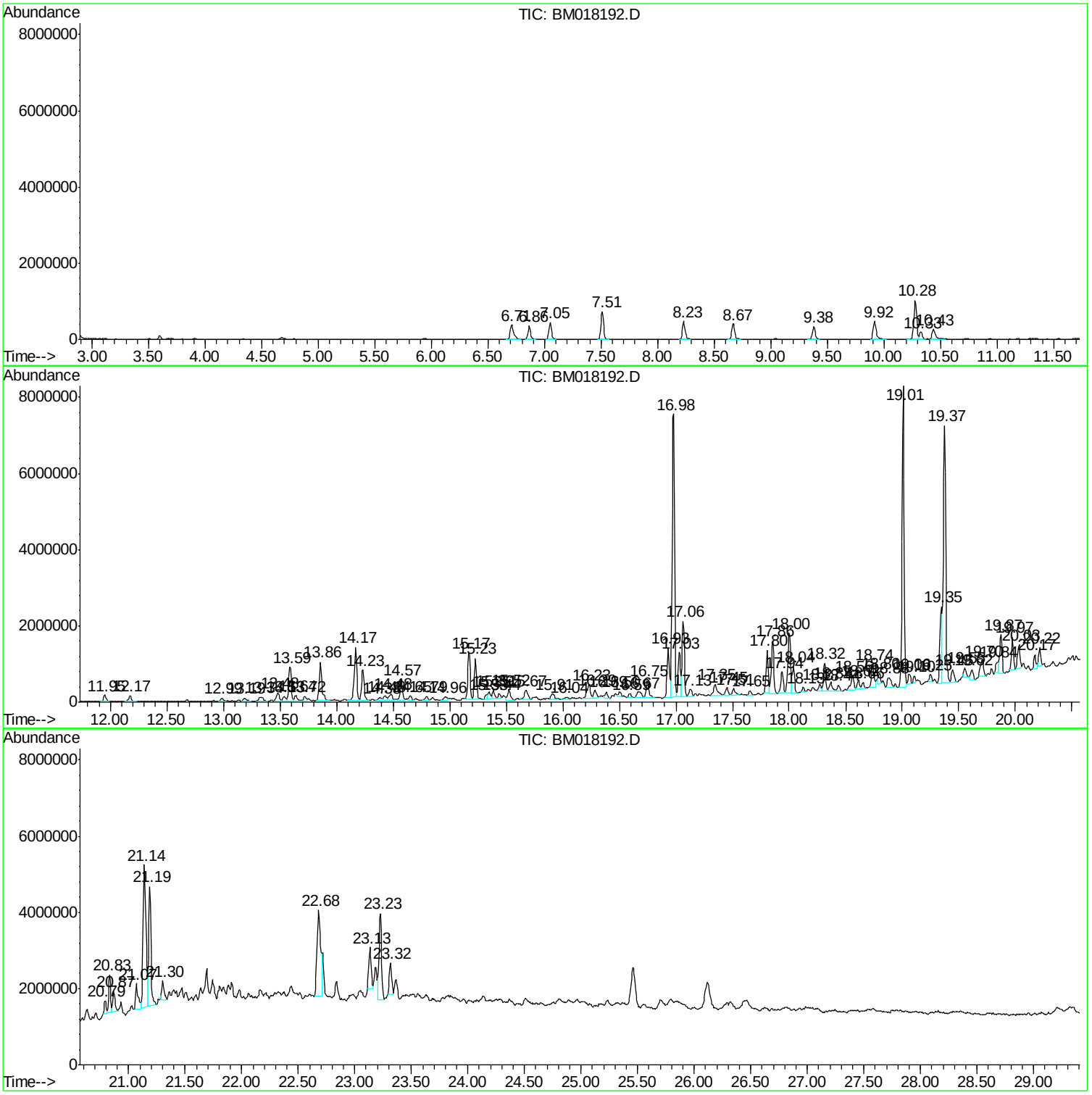
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121418\
Data File : BM018192.D
Acq On : 15 Dec 2018 06:24
Operator : JU/SJ
Sample : J6238-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE8B6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.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\BM121418\
Data File : BM018192.D
Acq On : 15 Dec 2018 06:24
Operator : JU/SJ
Sample : J6238-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE8B6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION

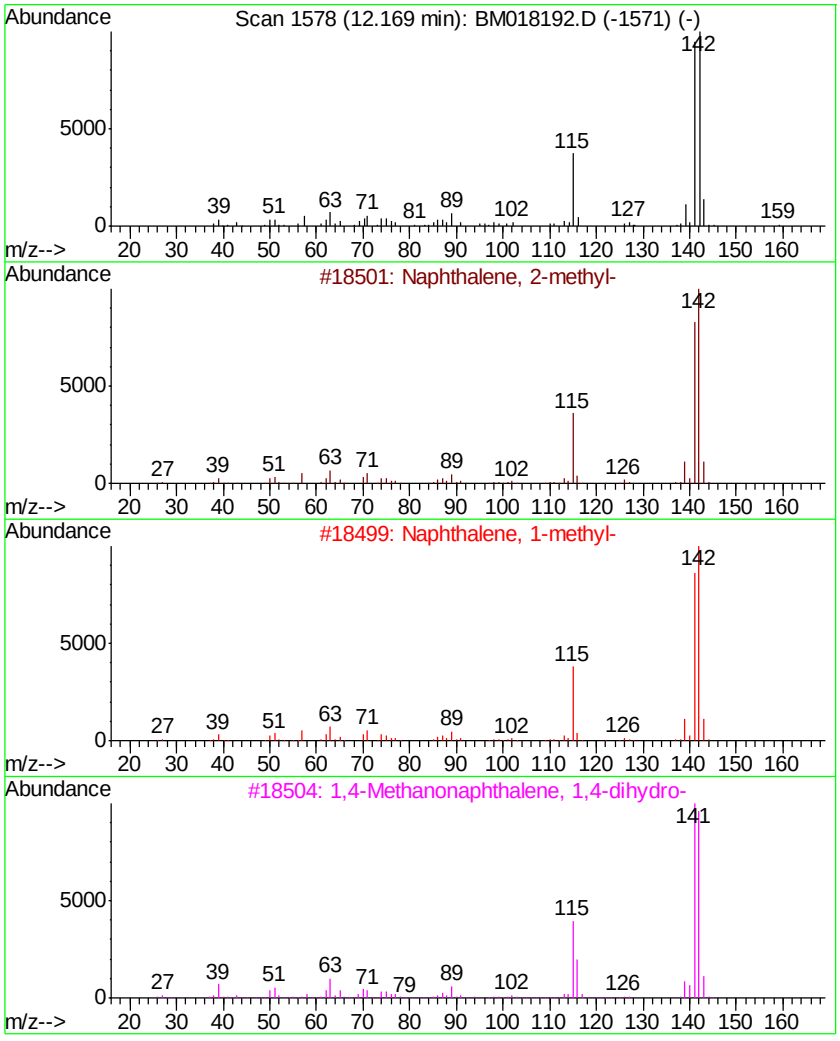
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

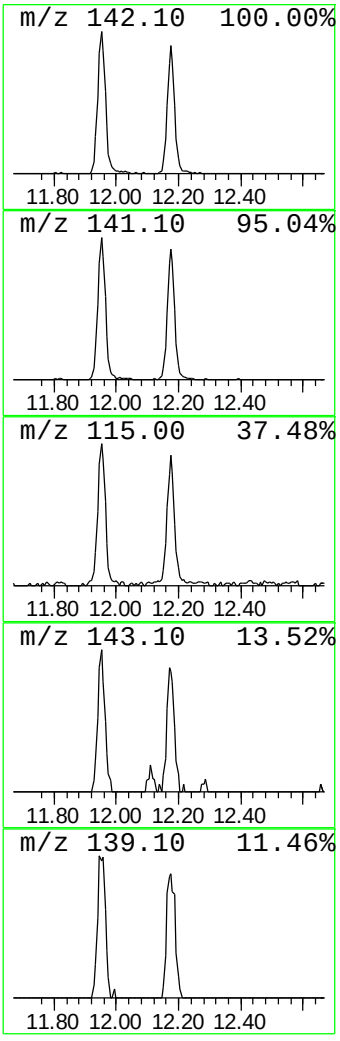
****

Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	3.31 ng/ul	283828	Naphthalene-d8	10.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121418\
Data File : BM018192.D
Acq On : 15 Dec 2018 06:24
Operator : JU/SJ
Sample : J6238-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE8B6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION

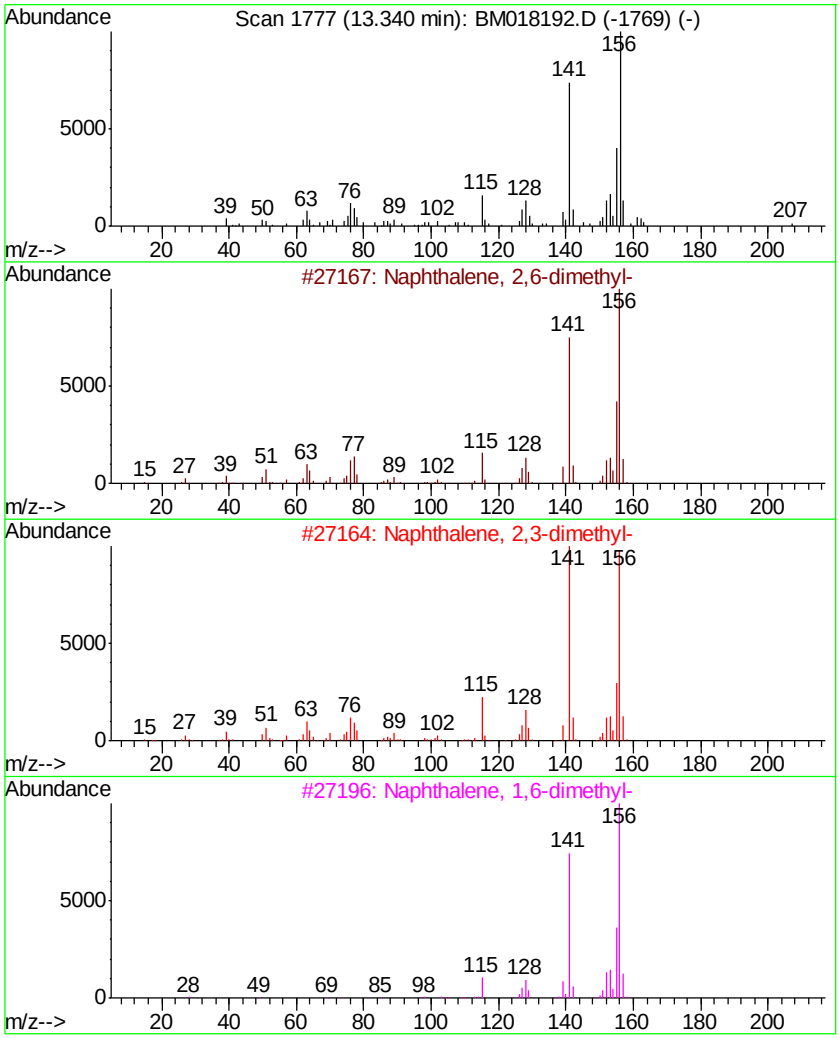
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

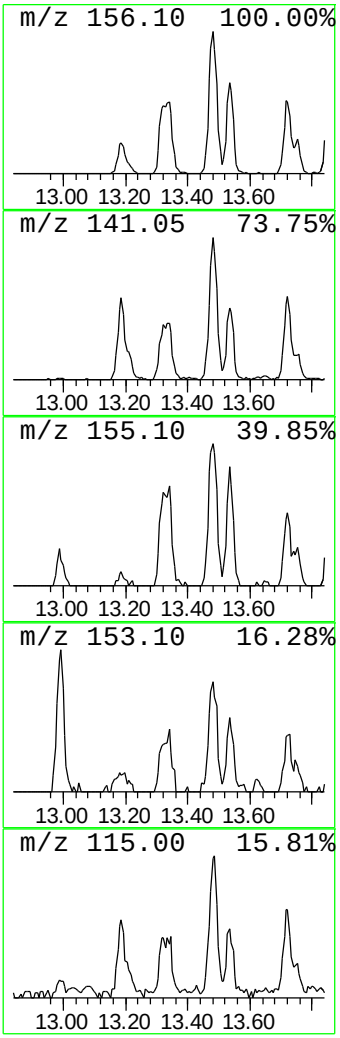
****

Peak Number 2 Naphthalene, 2,6-dimethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	2.31 ng/ul	264914	Acenaphthene-d10	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121418\
Data File : BM018192.D
Acq On : 15 Dec 2018 06:24
Operator : JU/SJ
Sample : J6238-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE8B6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION

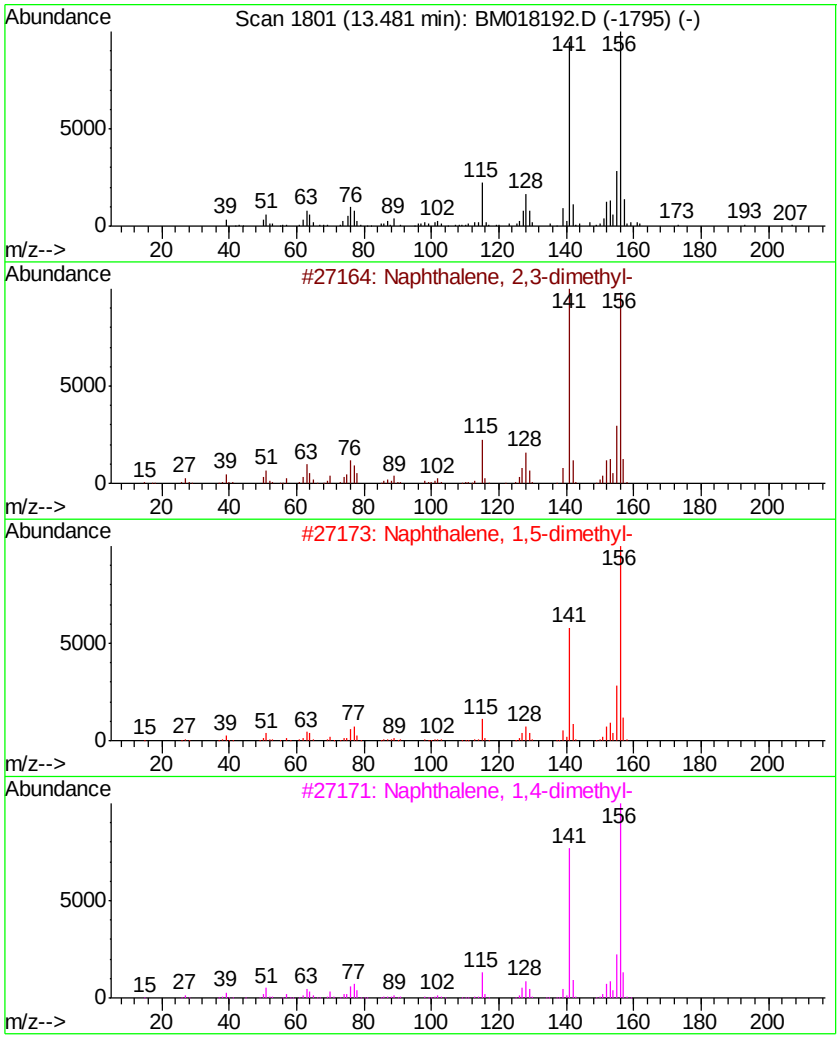
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

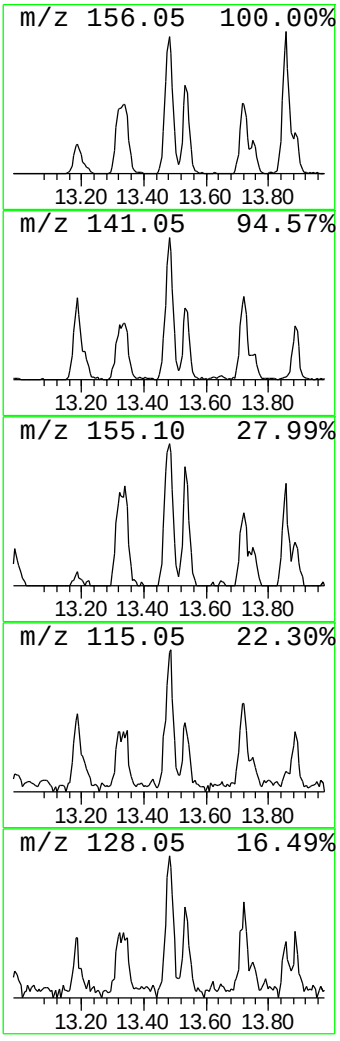
****

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	3.30 ng/ul	377541	Acenaphthene-d10	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121418\
Data File : BM018192.D
Acq On : 15 Dec 2018 06:24
Operator : JU/SJ
Sample : J6238-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE8B6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION

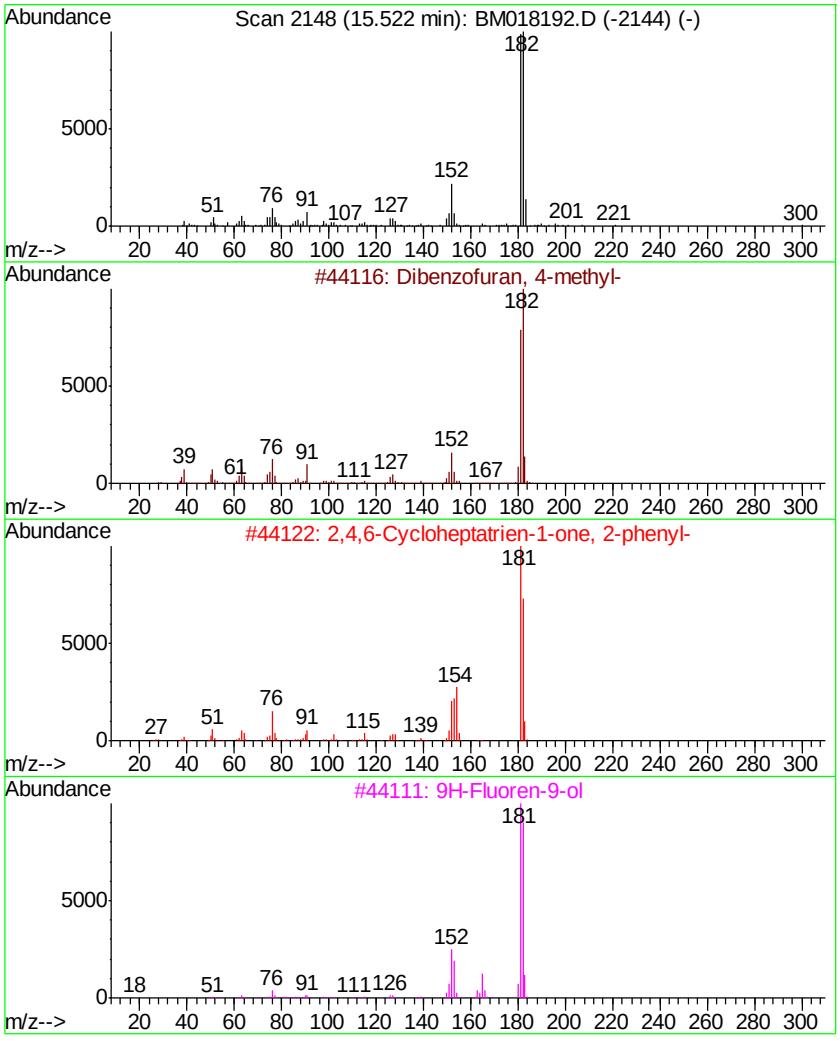
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

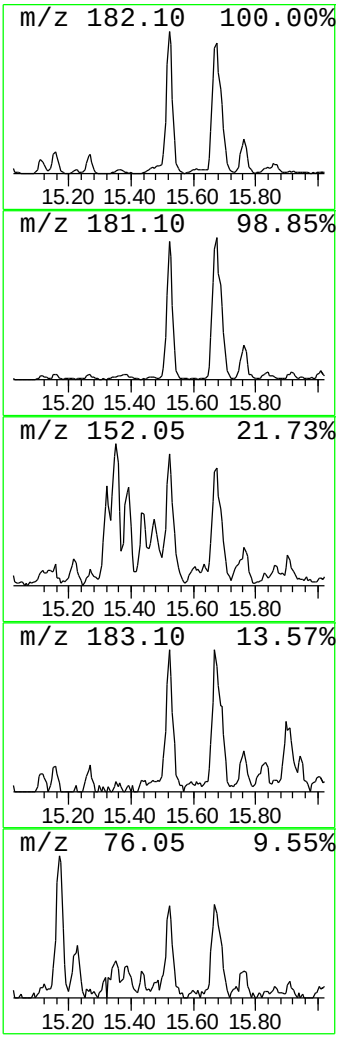
****

Peak Number 4 Dibenzofuran, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.52	4.20 ng/ul	480850	Acenaphthene-d10	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72
5	2-Hydroxyfluorene	182	C13H10O	002443-58-5	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121418\
Data File : BM018192.D
Acq On : 15 Dec 2018 06:24
Operator : JU/SJ
Sample : J6238-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE8B6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION

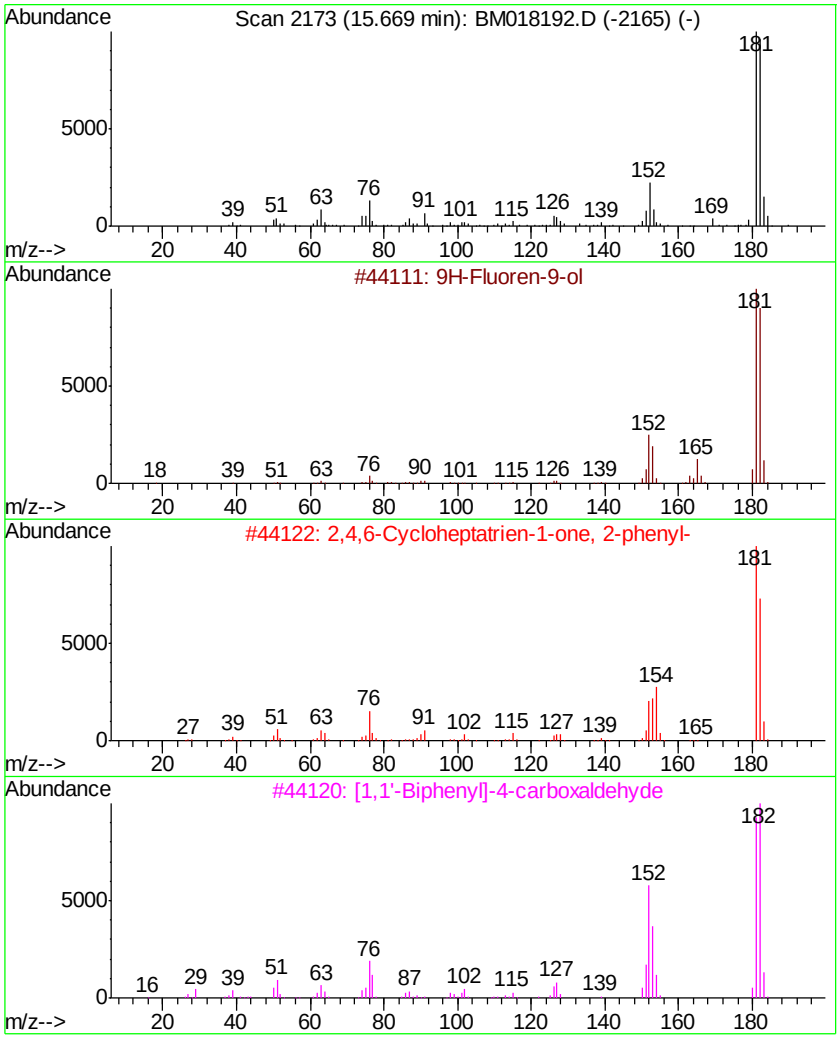
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

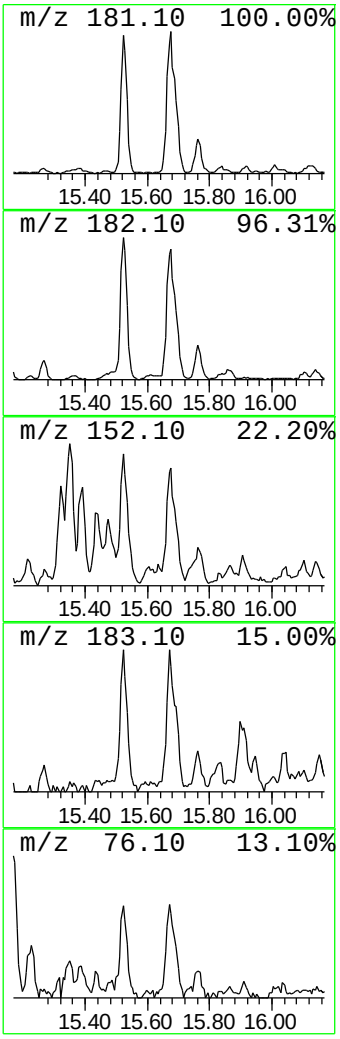
****

Peak Number 5 9H-Fluoren-9-ol Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	4.96 ng/ul	501218	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72





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Acq On : 15 Dec 2018 06:24
Operator : JU/SJ
Sample : J6238-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE8B6

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Quant Title : SVOA CALIBRATION

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

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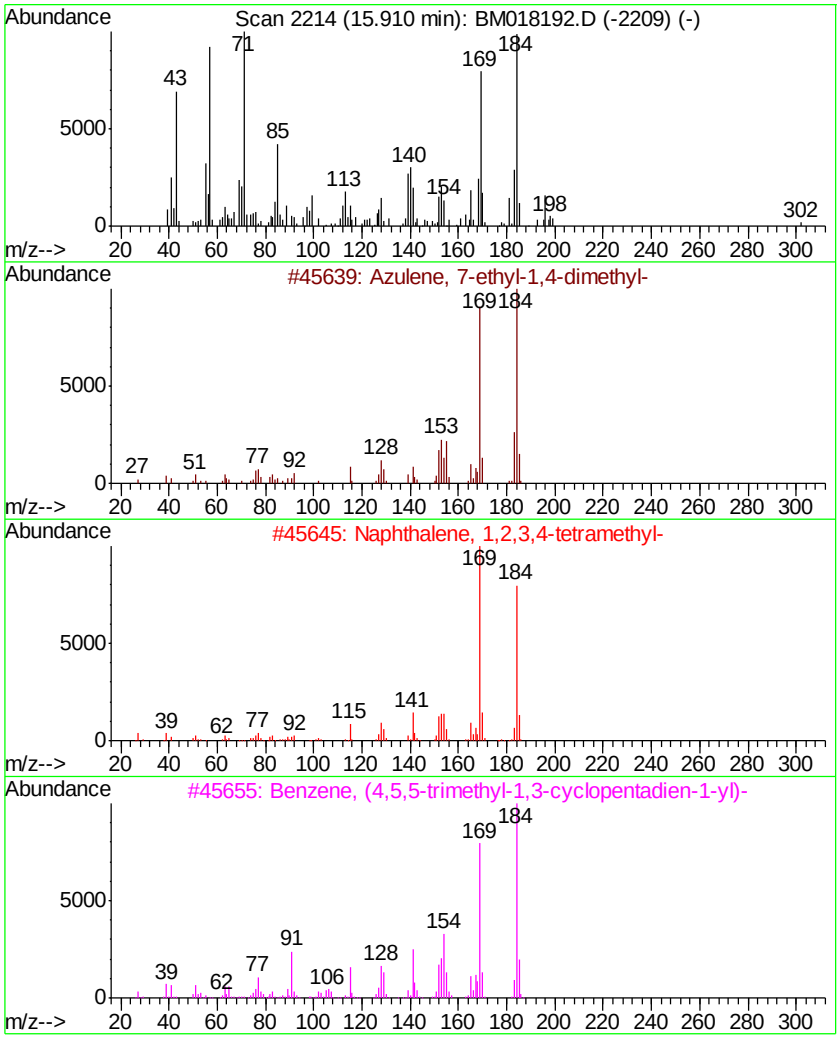
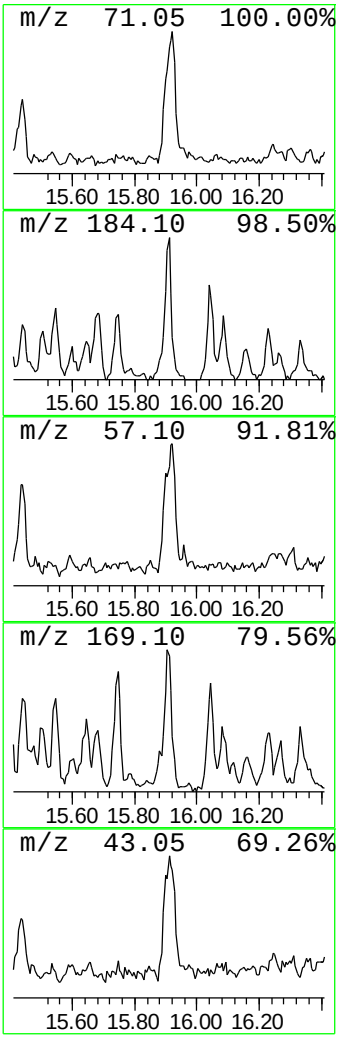
Peak Number 6 Azulene, 7-ethyl-1,4-dimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	2.68 ng/ul	270469	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azulene, 7-ethyl-1,4-dimethyl-	184	C14H16	000529-05-5	55
2	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	50
3	Benzene, (4,5,5-trimethyl-1,3-cy...	184	C14H16	033930-85-7	49
4	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	45
5	Dodecane	170	C12H26	000112-40-3	25





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Instrument : BNA_M
ClientSampleId : BE8B6

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Quant Title : SVOA CALIBRATION

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

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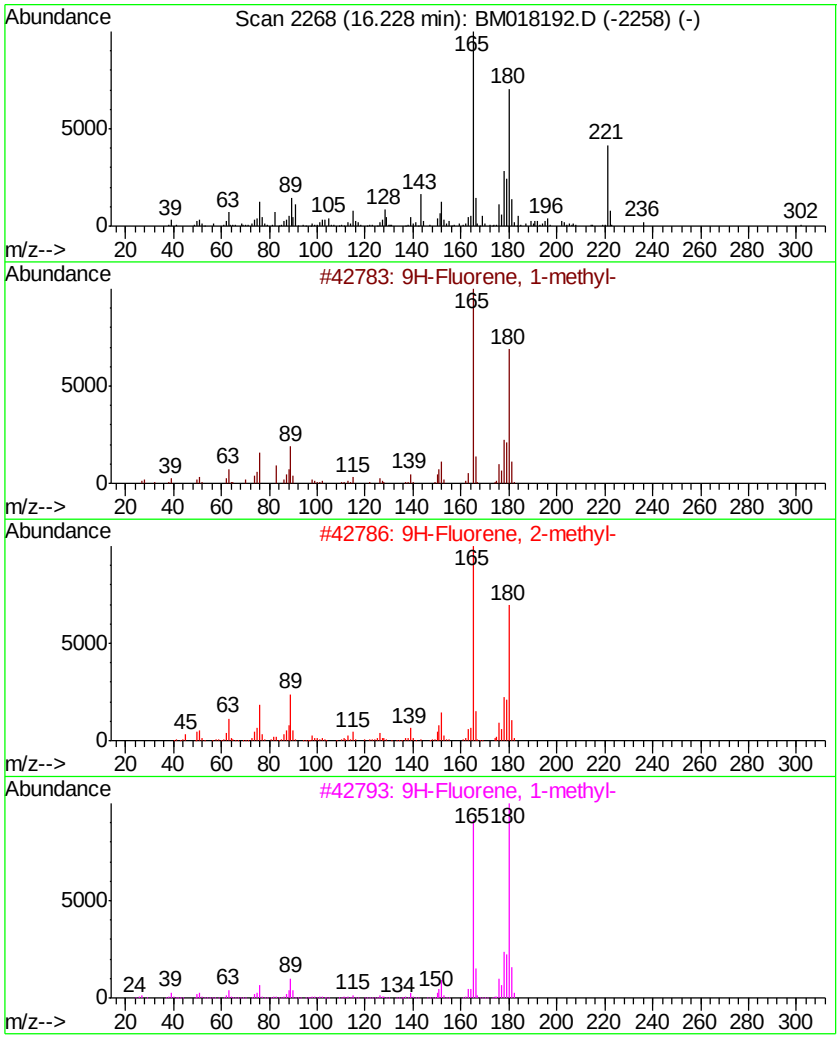
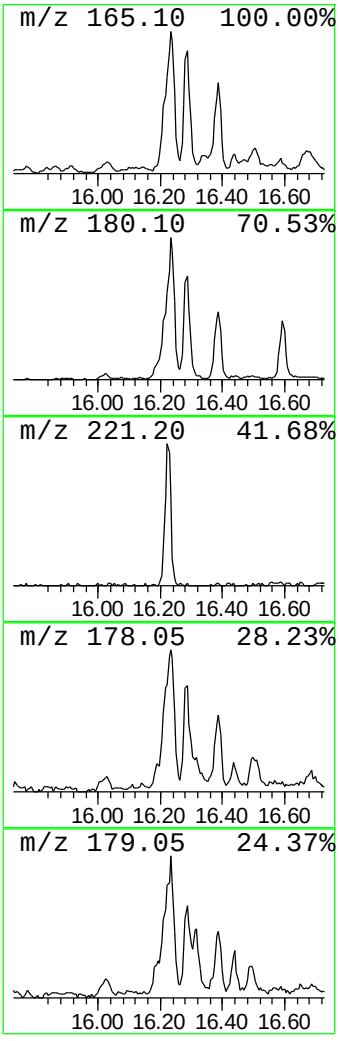
Peak Number 7 9H-Fluorene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.23	8.39 ng/ul	847490	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93





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Instrument : BNA_M
ClientSampleId : BE8B6

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Quant Title : SVOA CALIBRATION

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

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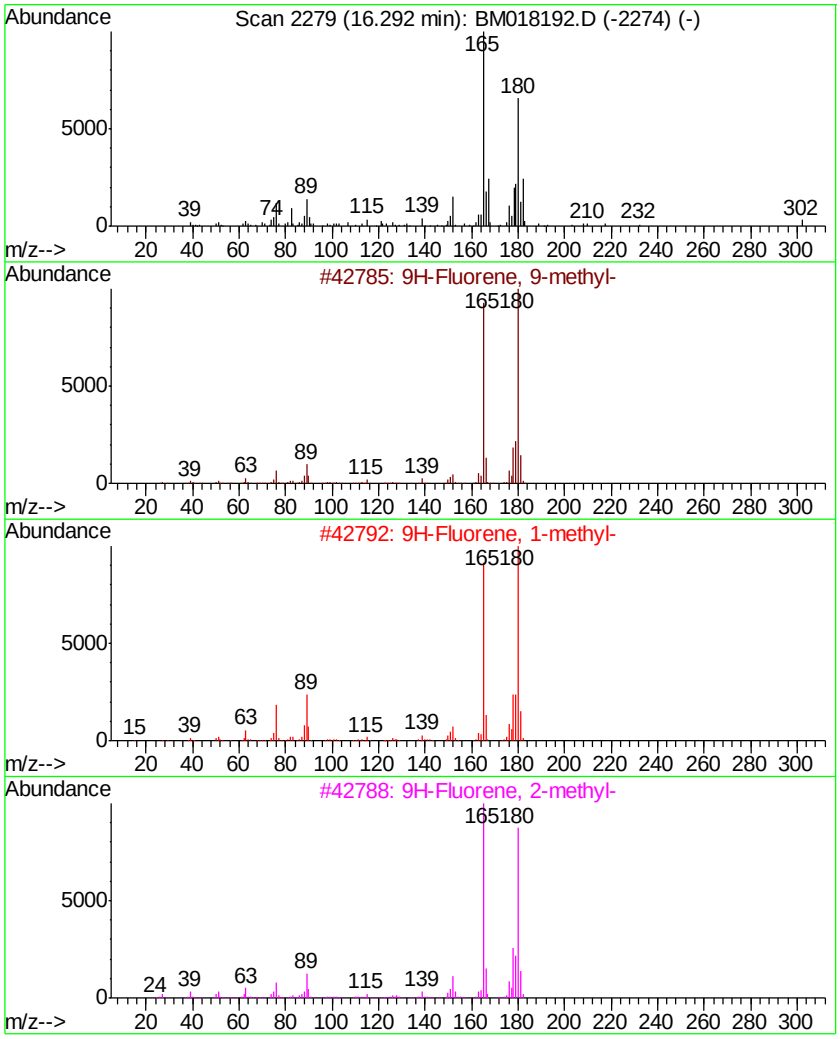
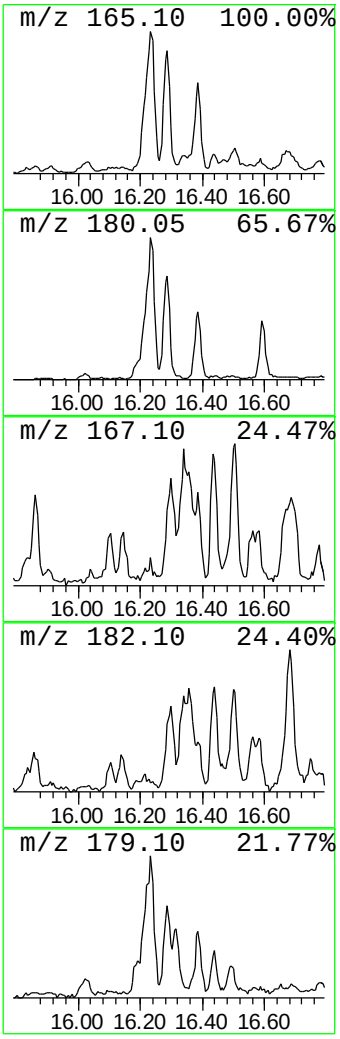
Peak Number 8 9H-Fluorene, 9-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	3.53 ng/ul	356279	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	94
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	94
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	92
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	81





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Misc :
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Instrument : BNA_M
ClientSampleId : BE8B6

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Quant Title : SVOA CALIBRATION

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

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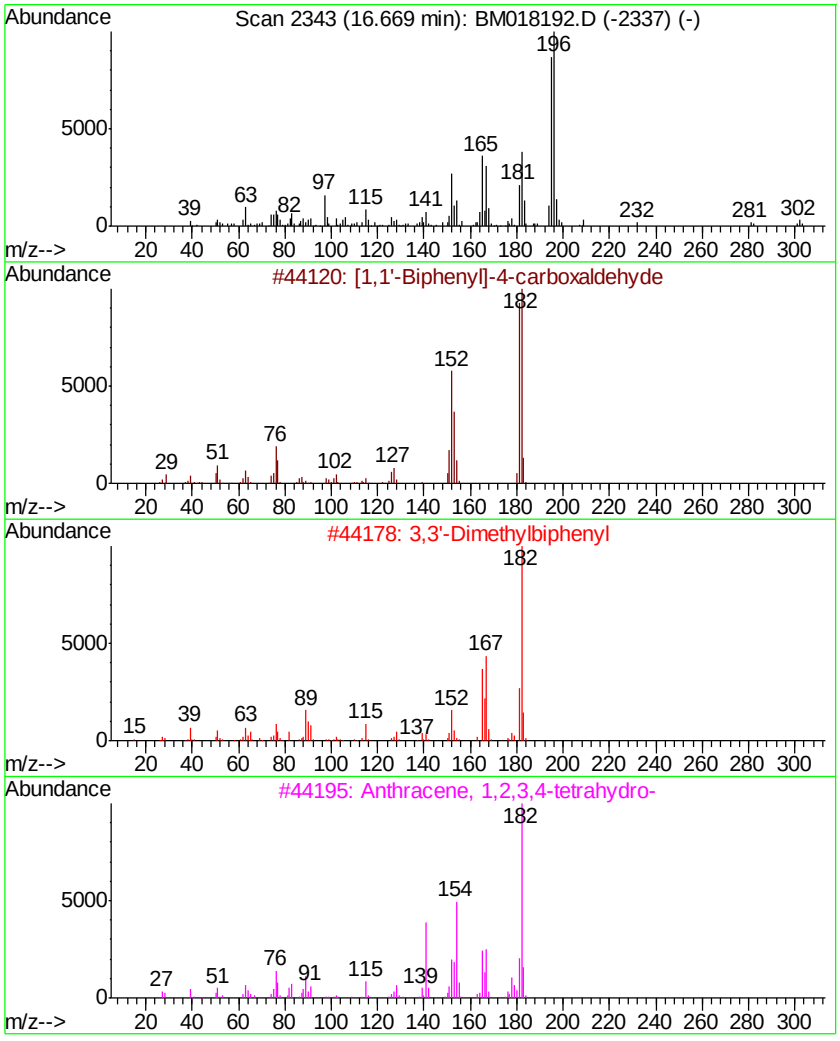
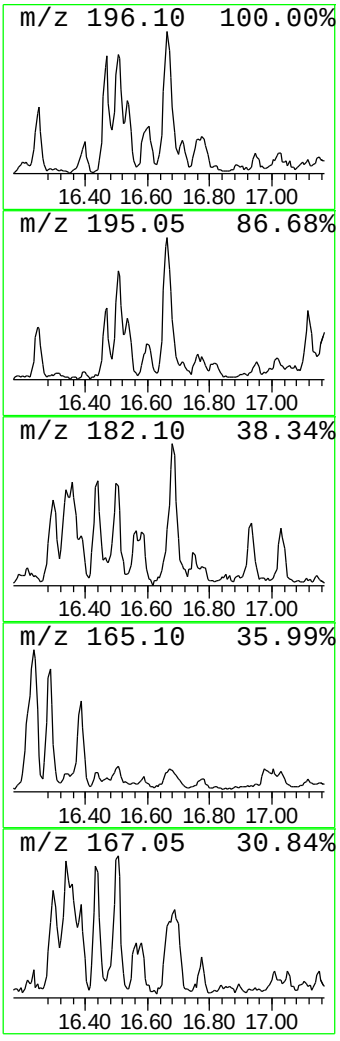
Peak Number 10 unknown-01 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.67	4.83 ng/ul	487334	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	48
2	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	46
3	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	38
4	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	30
5	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	30





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Quant Title : SVOA CALIBRATION

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

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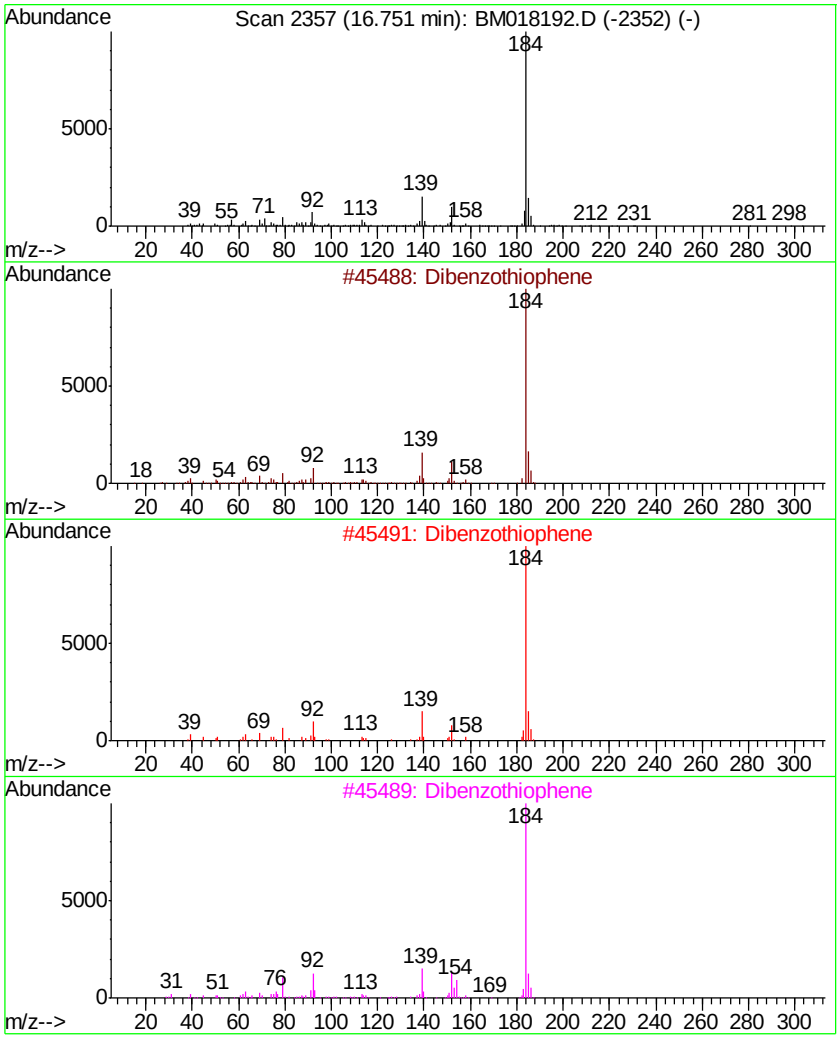
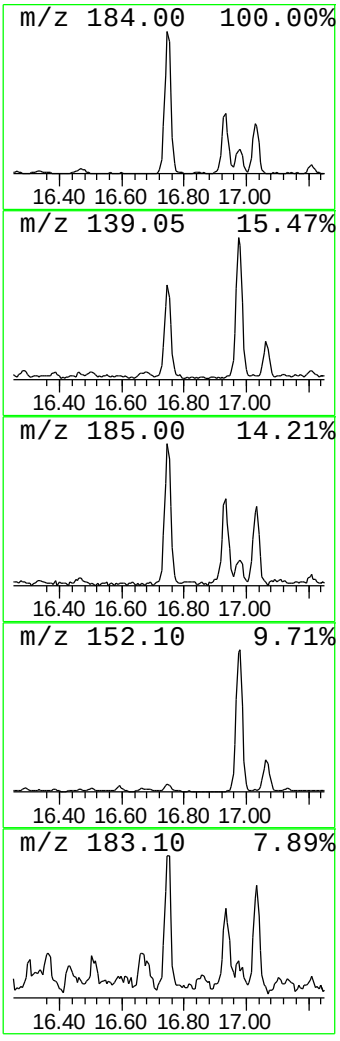
Peak Number 11 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.75	7.16 ng/ul	722498	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	93
2	Dibenzothiophene	184	C12H8S	000132-65-0	93
3	Dibenzothiophene	184	C12H8S	000132-65-0	91
4	Dibenzothiophene	184	C12H8S	000132-65-0	91
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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Instrument : BNA_M
ClientSampleId : BE8B6

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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 9H-Fluorene, 9,9-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.13	3.24 ng/ul	327263	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	87
2	9H-Fluorene, 2,3-dimethyl-	194	C15H14	004612-63-9	83
3	Benzo[h]quinoline	179	C13H9N	000230-27-3	70
4	Acridine	179	C13H9N	000260-94-6	70
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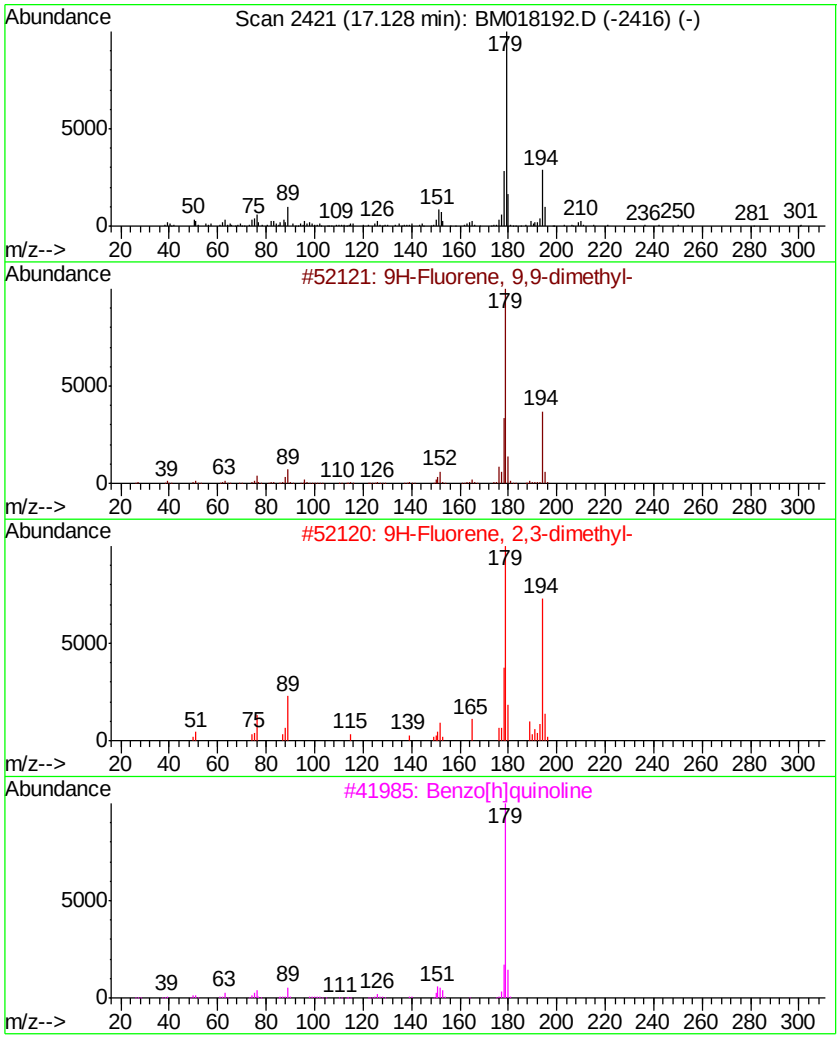

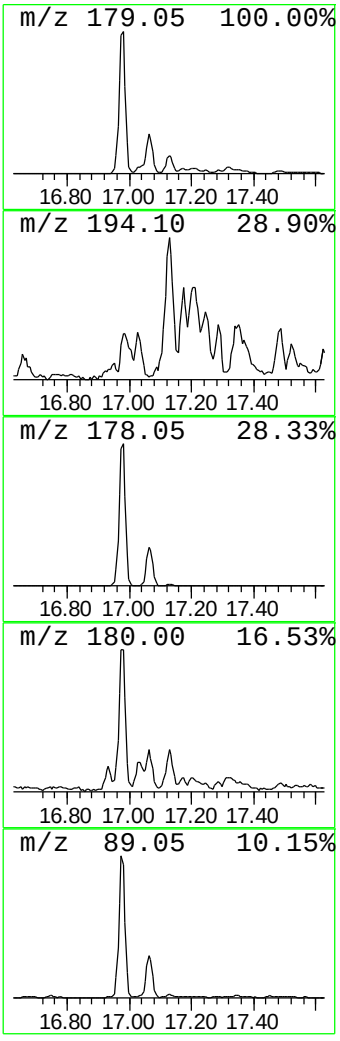

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Instrument : BNA_M
ClientSampleId : BE8B6

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Quant Title : SVOA CALIBRATION

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

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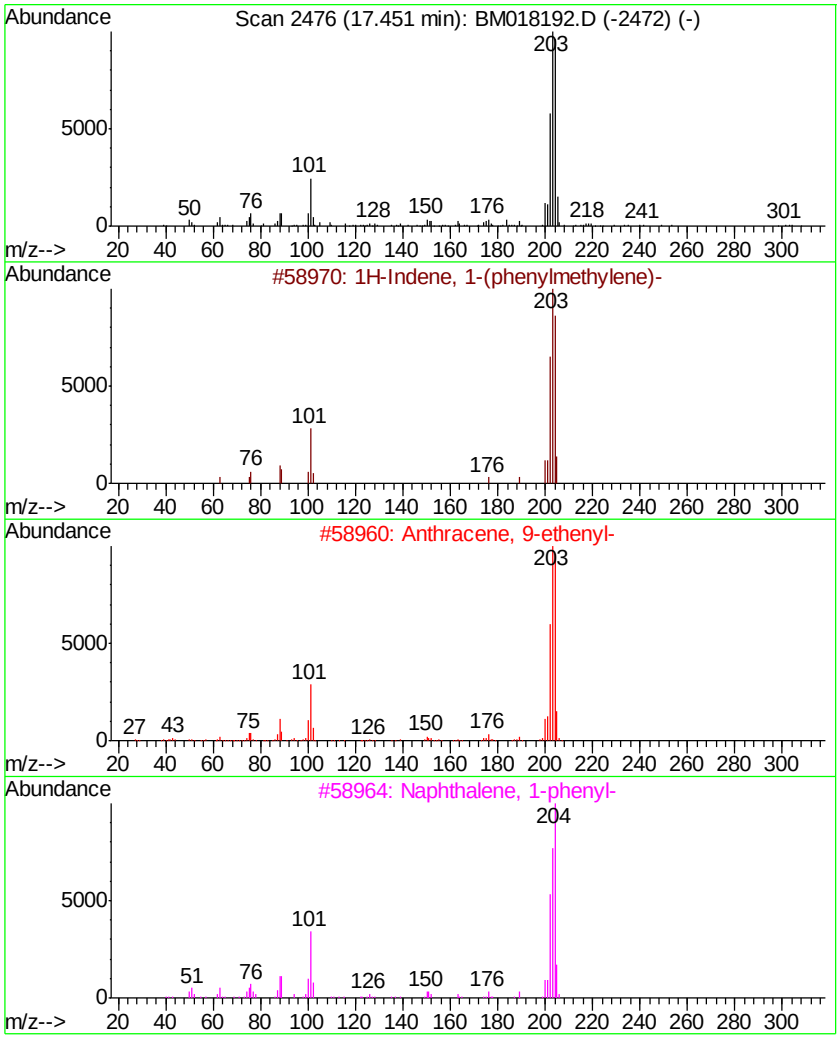
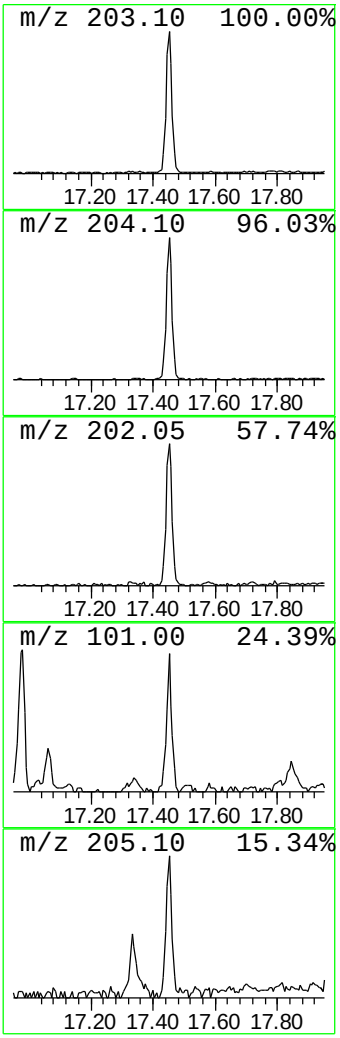
Peak Number 13 1H-Indene, 1-(phenylmethyle... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.45	2.98 ng/ul	301037	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	95
2	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	93
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	92
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	90
5	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	76





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Quant Title : SVOA CALIBRATION

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

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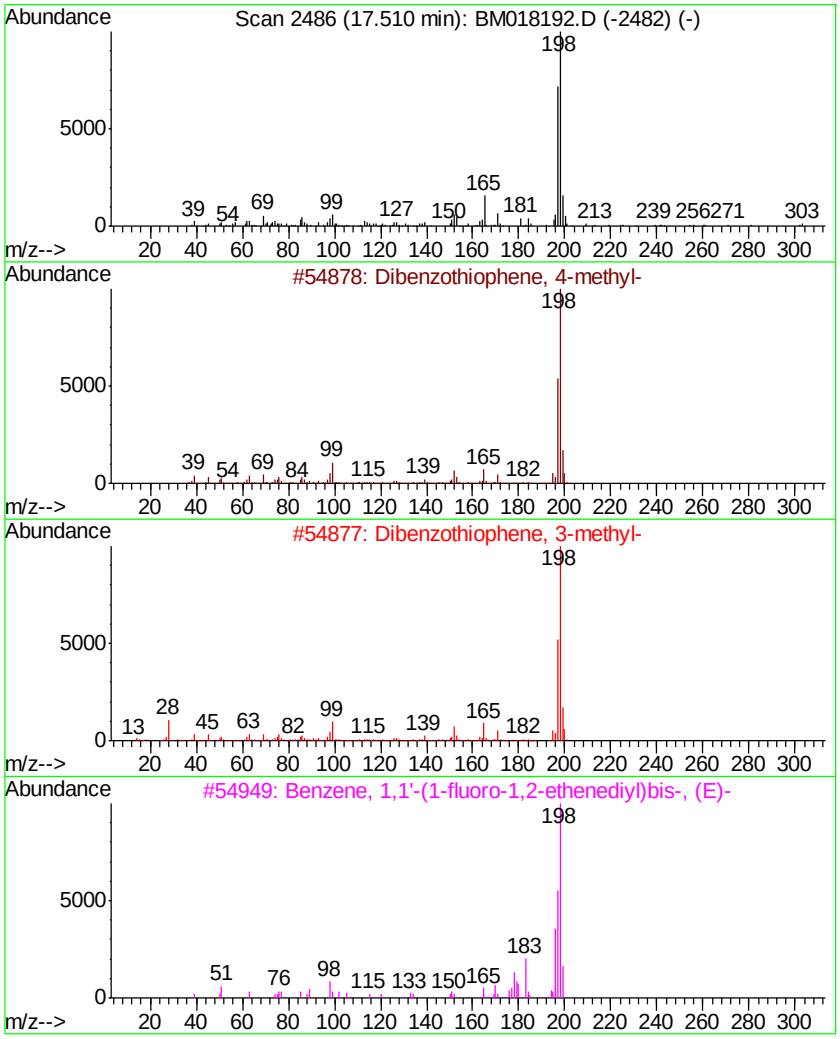
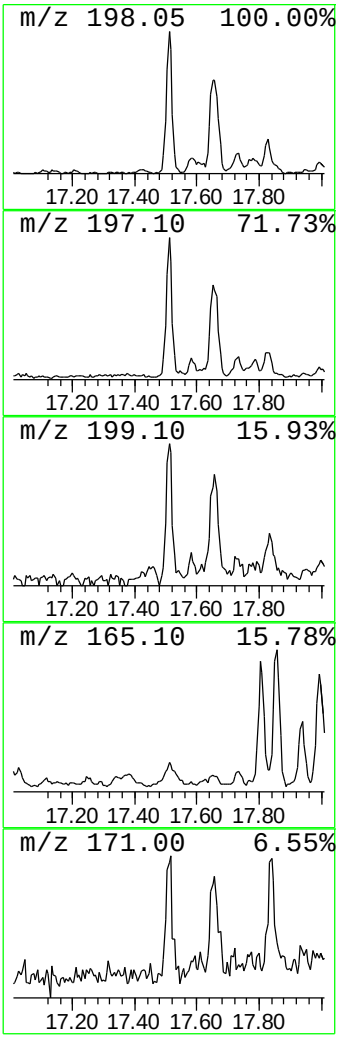
Peak Number 14 Dibenzothiophene, 4-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.51	3.09 ng/ul	311999	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	87
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	86
3	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	80
4	Pyridine, 4-(4-dimethylaminophen...	198	C13H14N2	001137-80-0	72
5	Benzeneacetonitrile, 4-(1,2,3,6-...	198	C13H14N2	1000115-51-2	64





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Quant Title : SVOA CALIBRATION

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

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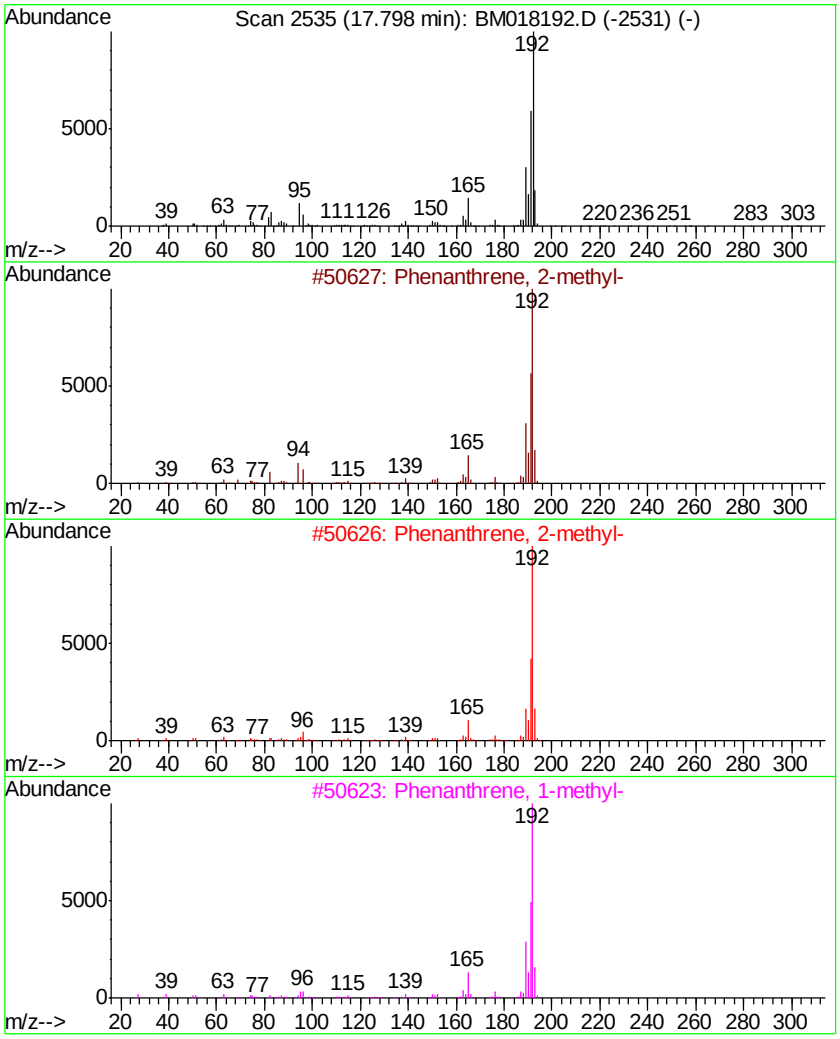
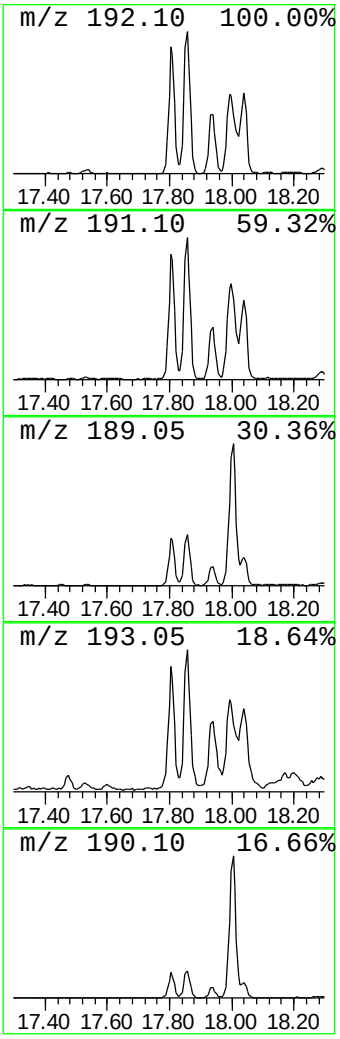
Peak Number 15 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.80	14.88 ng/ul	1502250	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





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Quant Title : SVOA CALIBRATION

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

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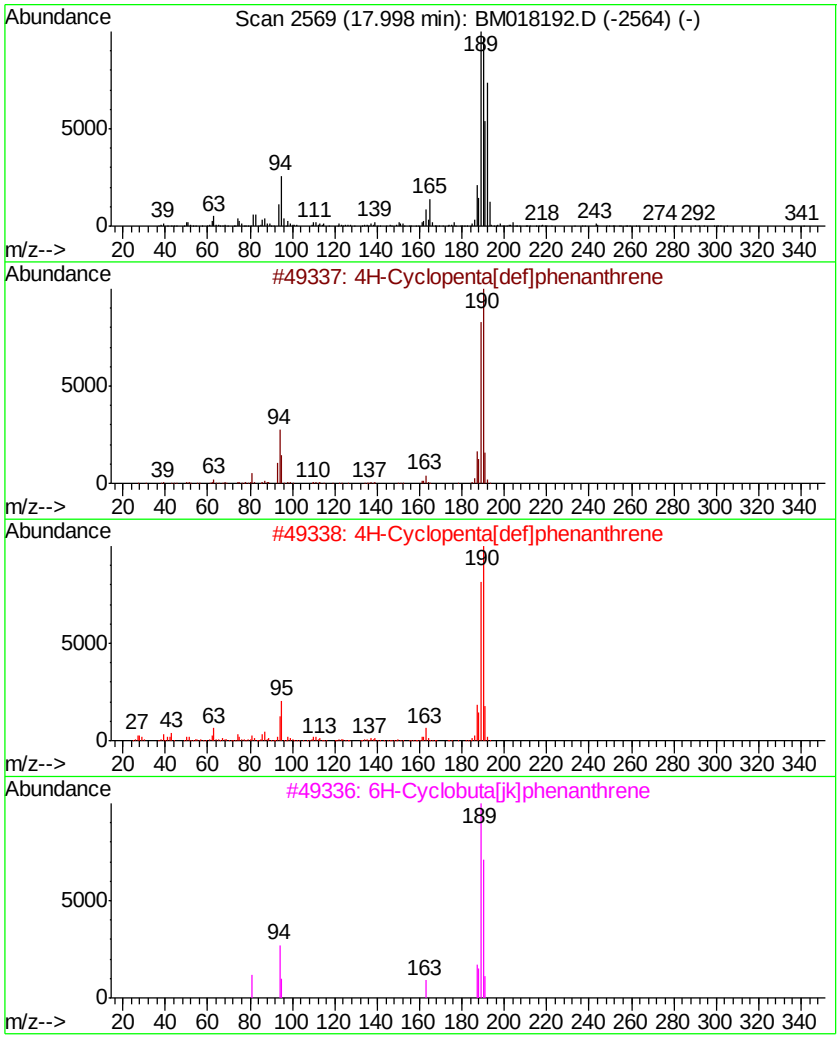
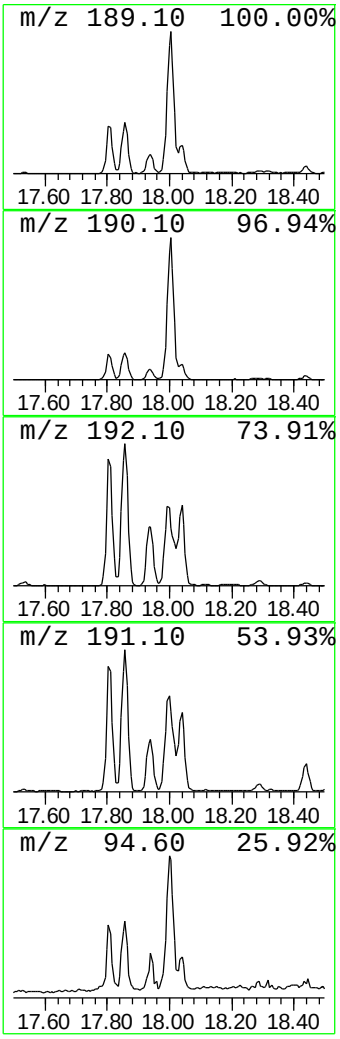
Peak Number 18 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	27.33 ng/ul	2759690	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	42
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42





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Quant Title : SVOA CALIBRATION

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

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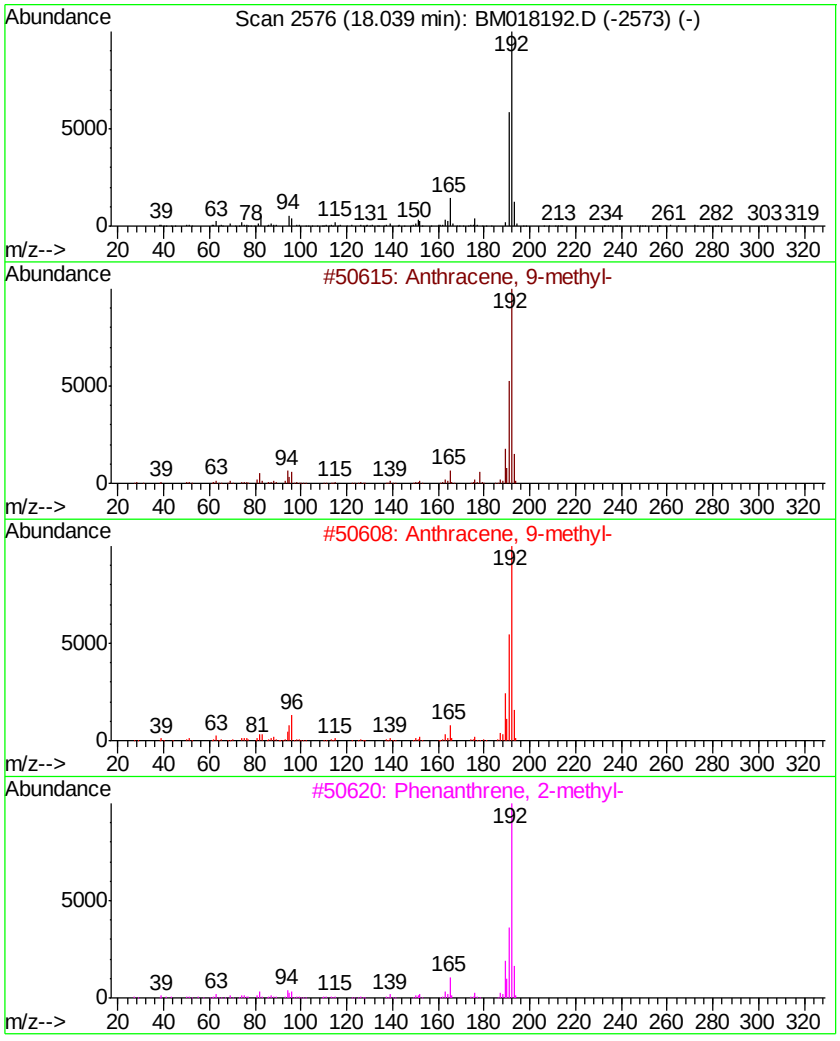
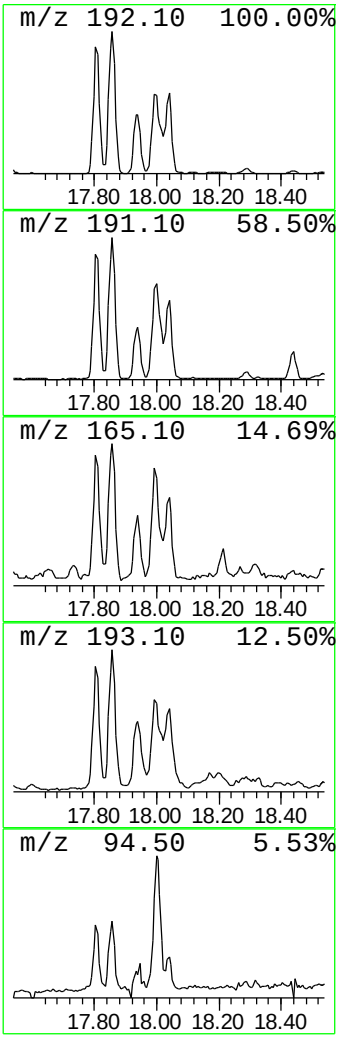
Peak Number 19 Anthracene, 9-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	9.74 ng/ul	983827	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	86
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86





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Quant Title : SVOA CALIBRATION

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

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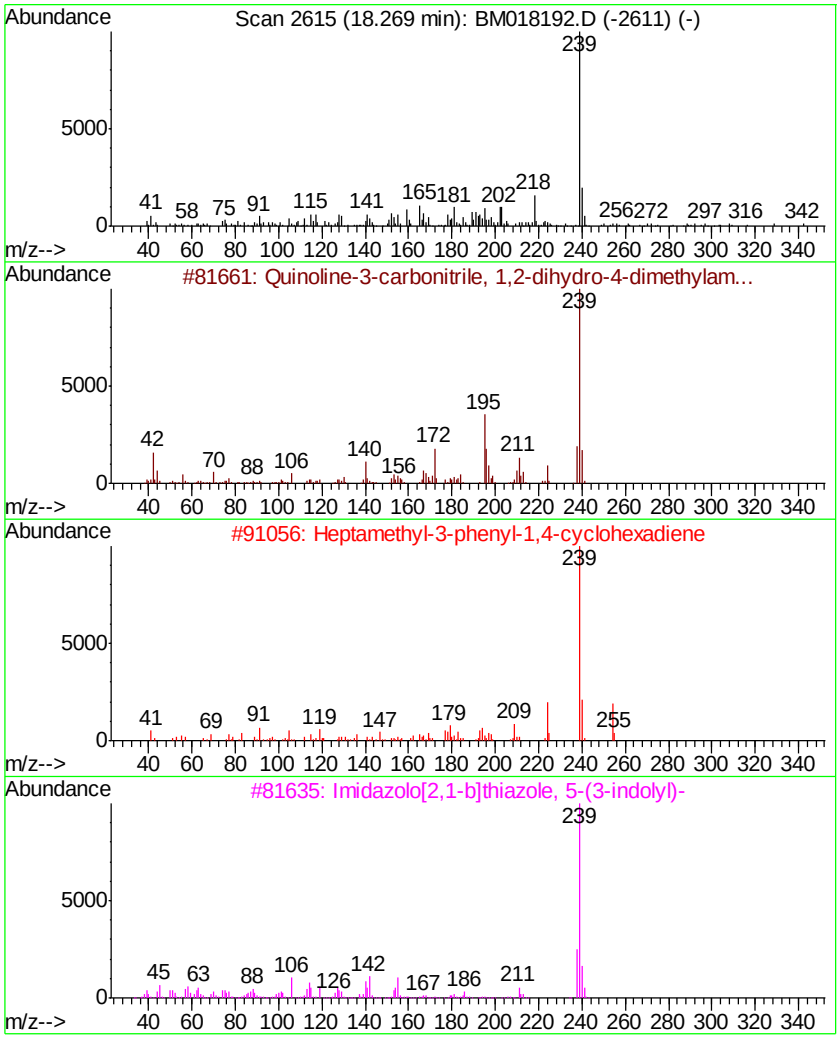
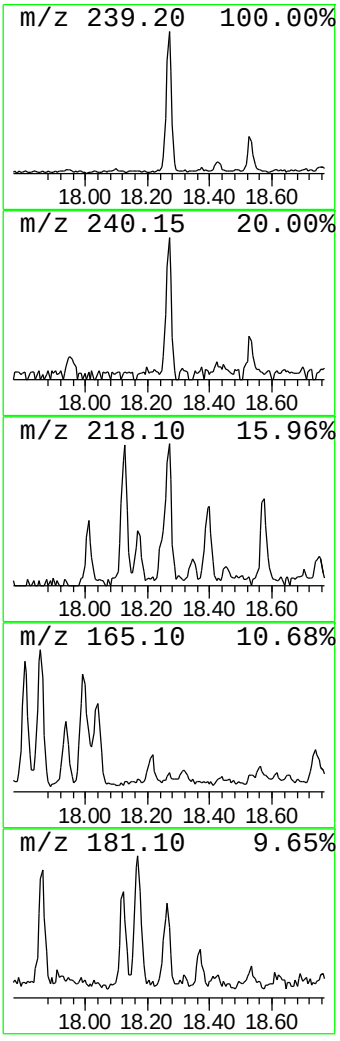
Peak Number 20 Quinoline-3-carbonitrile, 1... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	2.81 ng/ul	283882	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline-3-carbonitrile, 1,2-di...	239	C14H13N3O	209617-30-1	50
2	Heptamethyl-3-phenyl-1,4-cyclohe...	254	C19H26	122531-52-6	50
3	Imidazolo[2,1-b]thiazole, 5-(3-i...	239	C13H9N3S	327097-37-0	49
4	9,10-Anthracenedione, 2-amino-3-...	239	C14H9NO3	000117-77-1	47
5	9,10-Anthracenedione, 1-amino-4-...	239	C14H9NO3	000116-85-8	47





Library Search Compound Report

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Acq On : 15 Dec 2018 06:24
Operator : JU/SJ
Sample : J6238-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE8B6

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Quant Title : SVOA CALIBRATION

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

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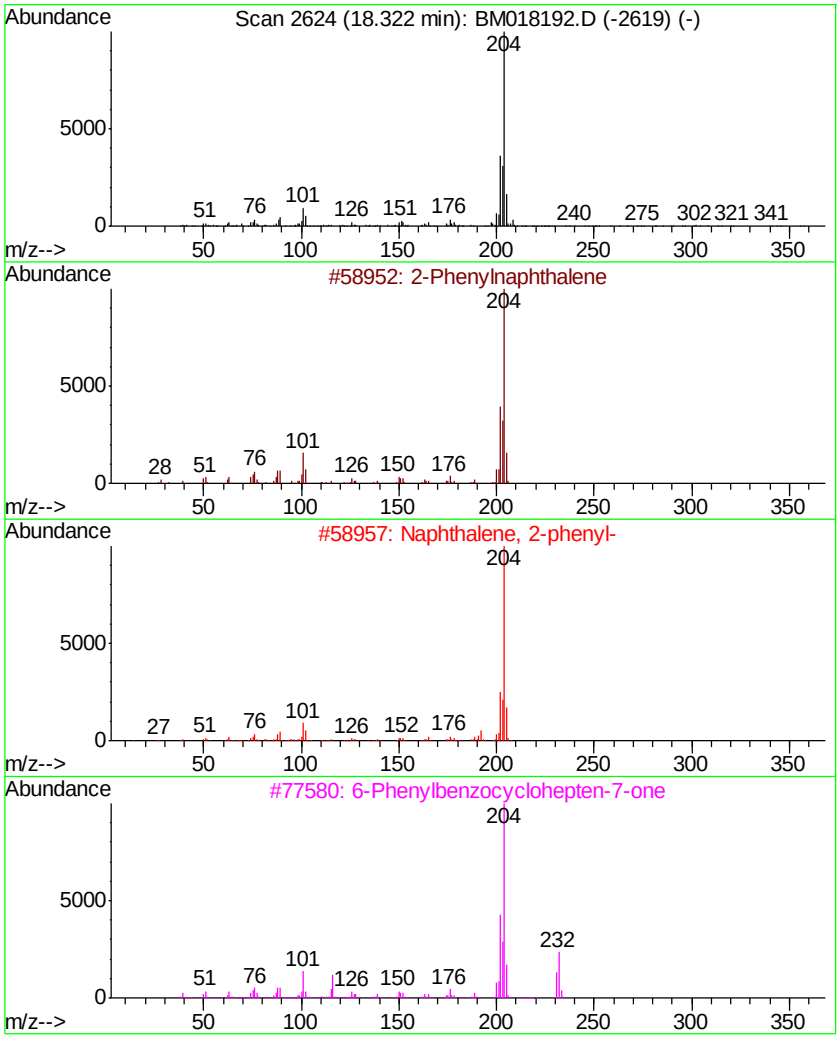
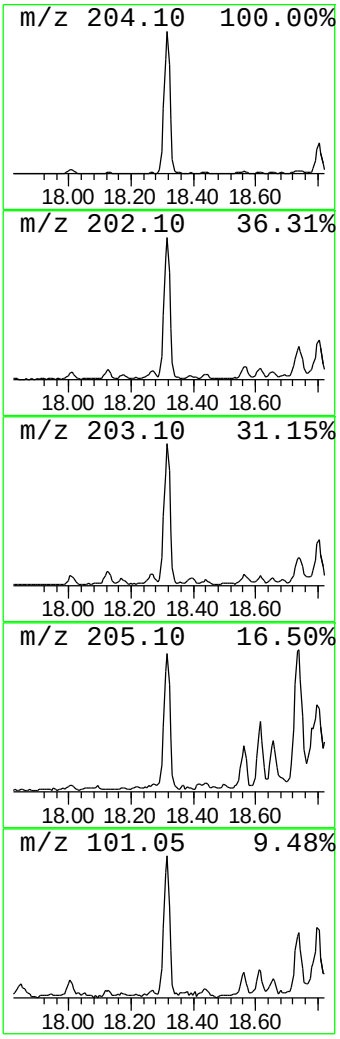
Peak Number 21 2-Phenylnaphthalene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	9.90 ng/ul	999998	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	97
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	91
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81





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Instrument : BNA_M
ClientSampleId : BE8B6

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Quant Title : SVOA CALIBRATION

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

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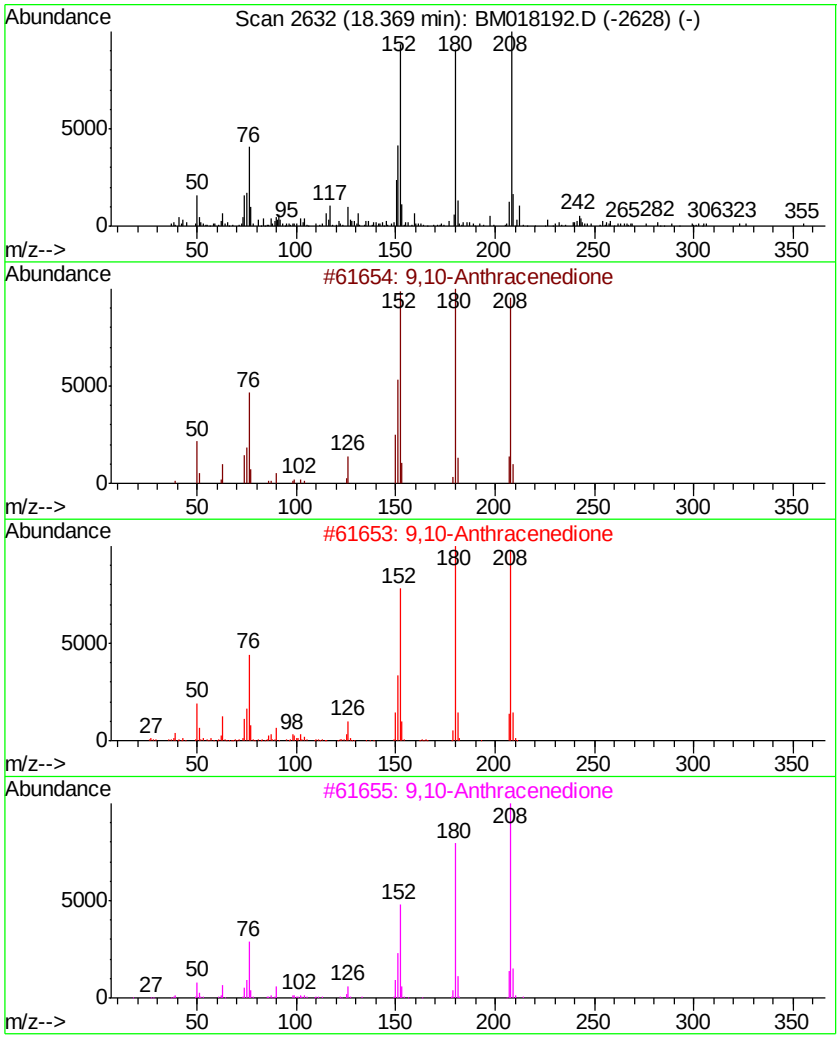
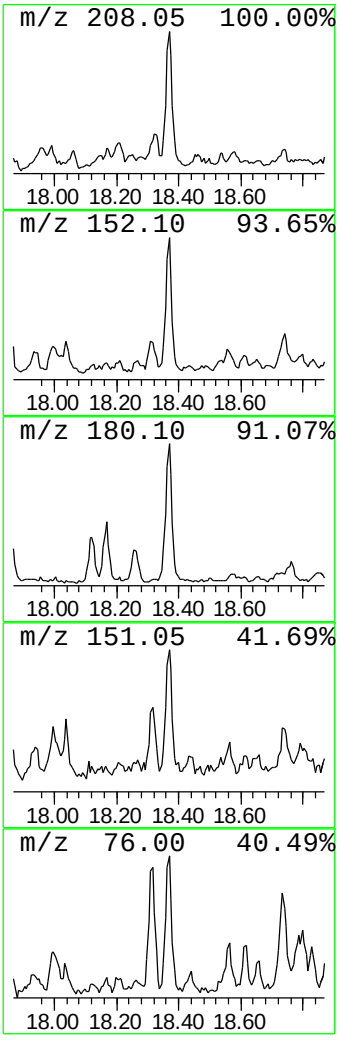
Peak Number 22 9,10-Anthracenedione Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	3.43 ng/ul	346743	Phenanthrene-d10	16.93

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	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	62





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Instrument : BNA_M
ClientSampleId : BE8B6

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Quant Title : SVOA CALIBRATION

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

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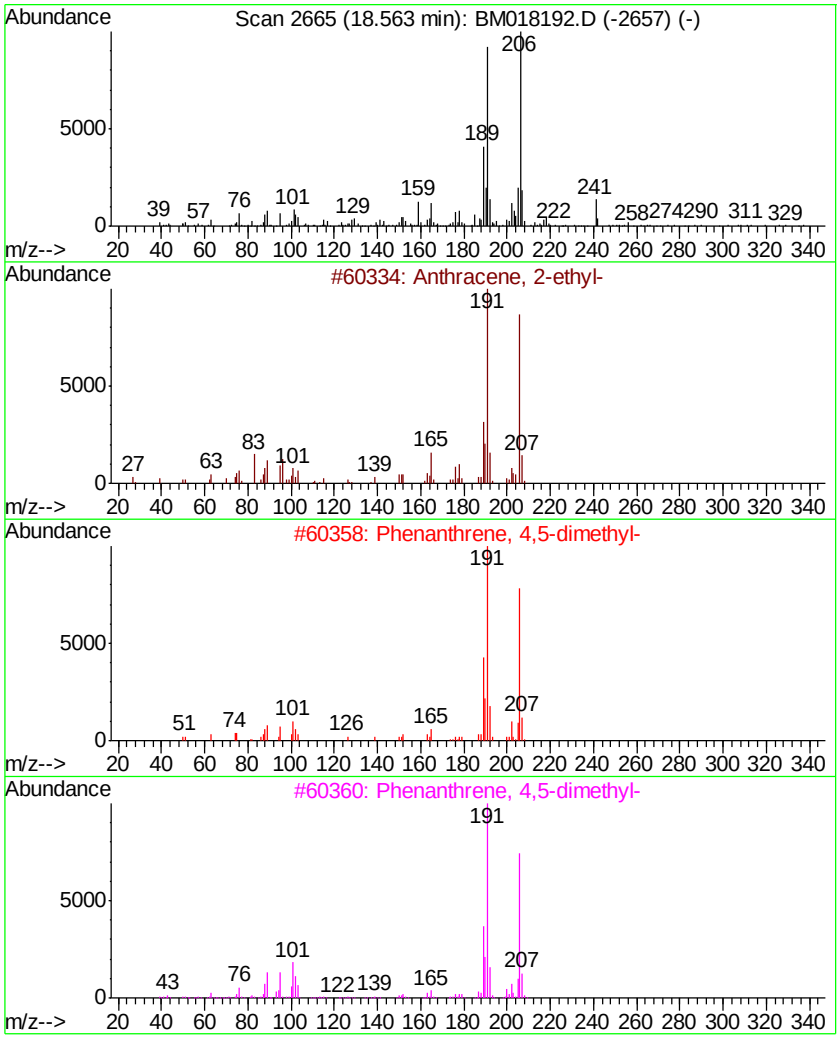
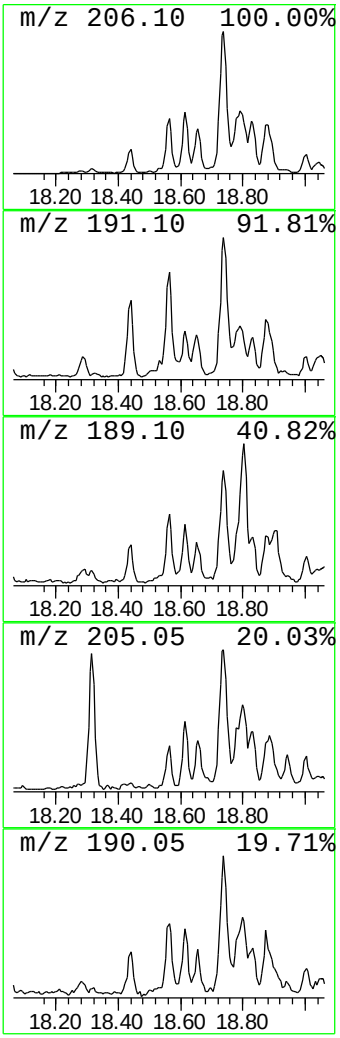
Peak Number 23 Anthracene, 2-ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	7.00 ng/ul	706478	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	95
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	95
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	95
4	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	94
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94





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Instrument : BNA_M
ClientSampleId : BE8B6

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Quant Title : SVOA CALIBRATION

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

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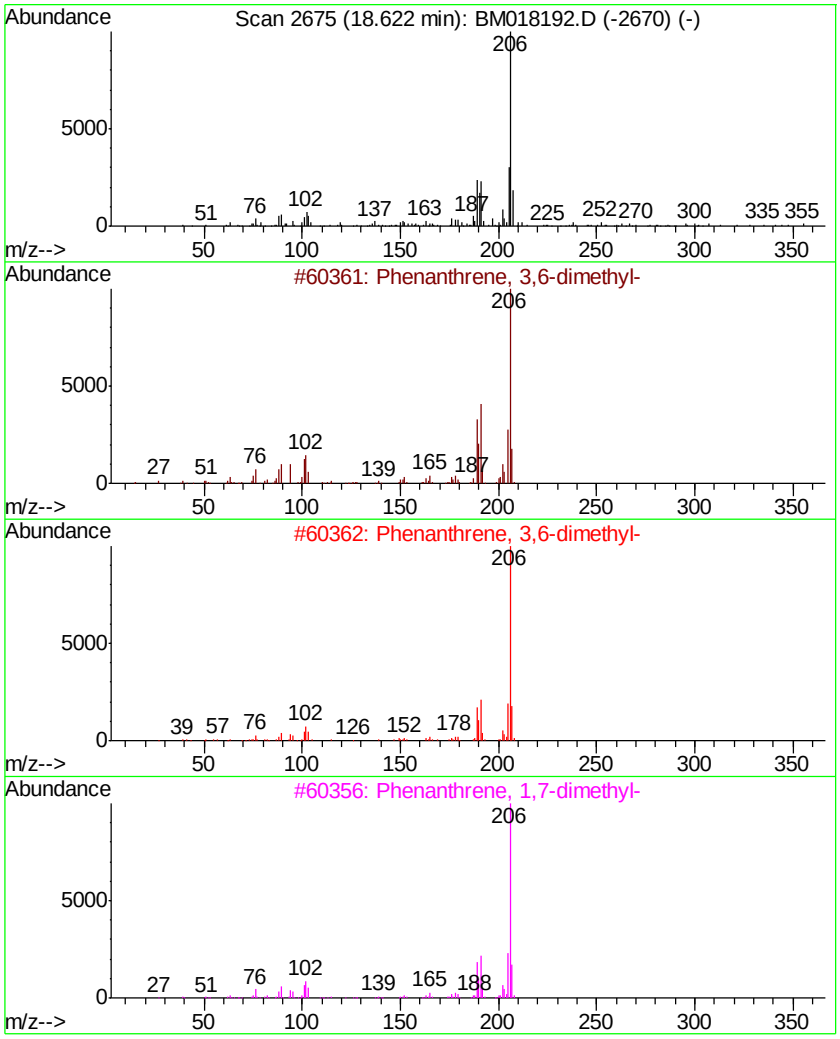
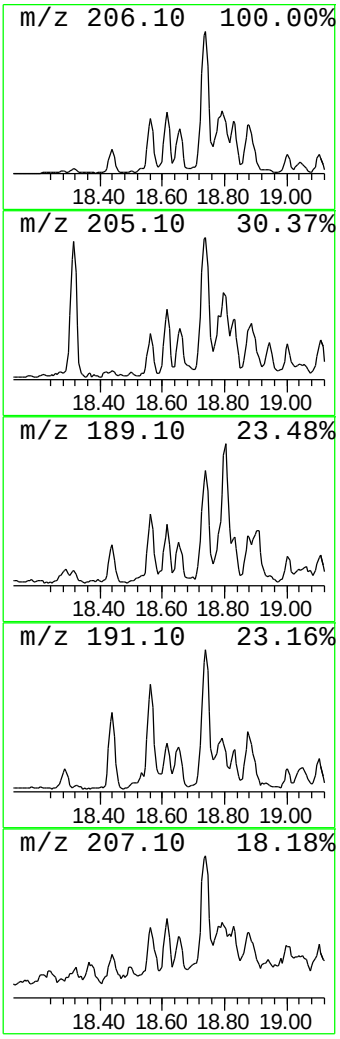
Peak Number 24 Phenanthrene, 3,6-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	3.03 ng/ul	305939	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91





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Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE8B6

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Quant Title : SVOA CALIBRATION

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

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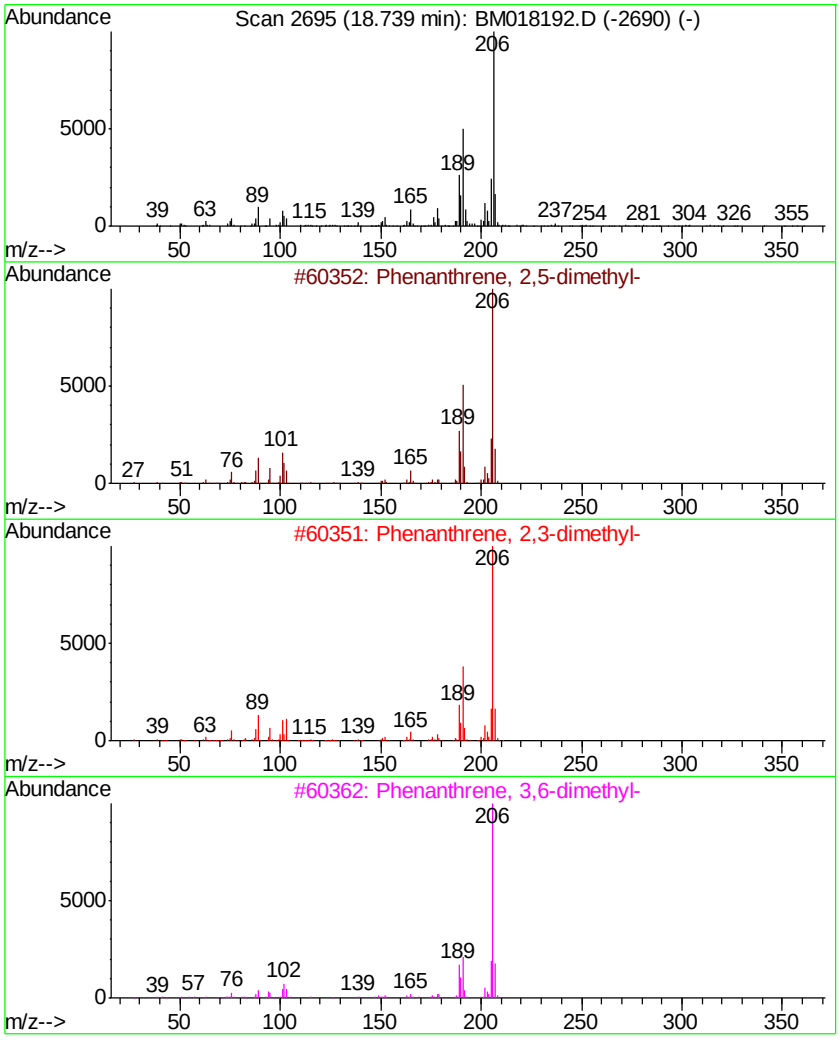
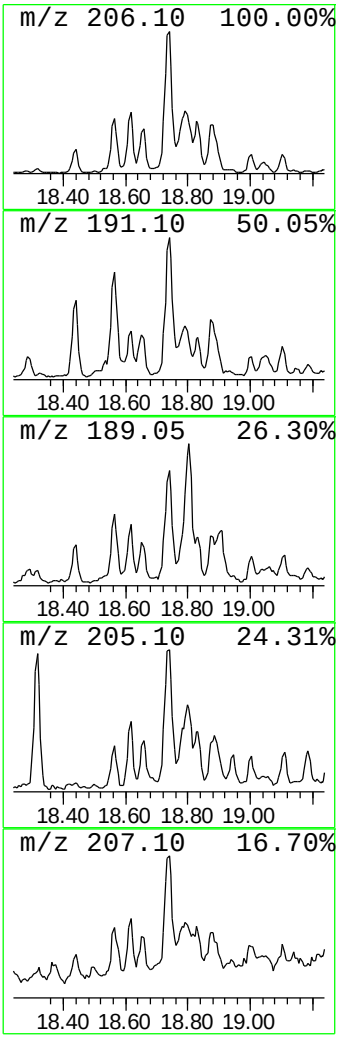
Peak Number 26 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.74	10.62 ng/ul	1072310	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





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Instrument : BNA_M
ClientSampleId : BE8B6

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Quant Title : SVOA CALIBRATION

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

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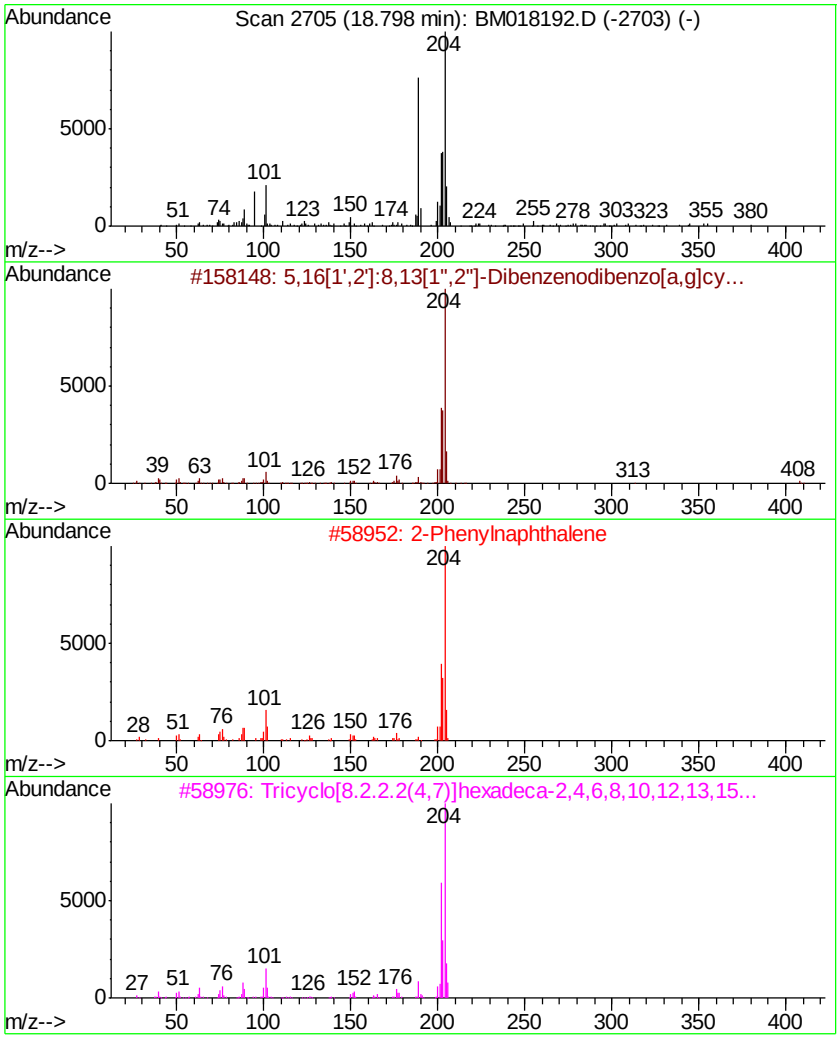
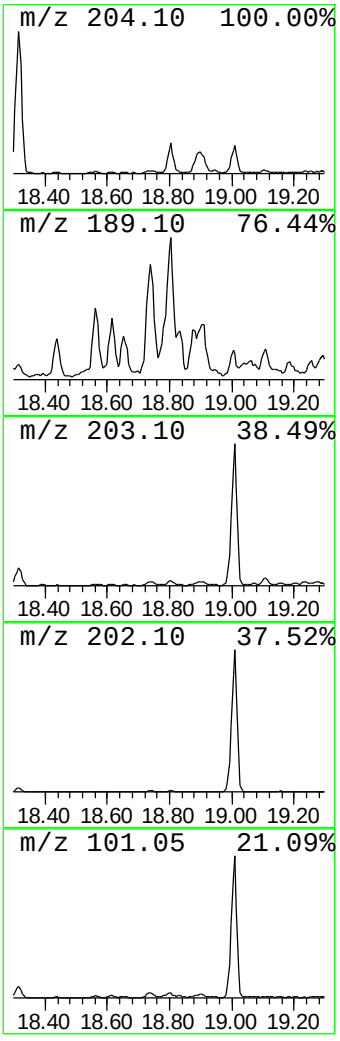
Peak Number 27 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.80	3.19 ng/ul	322417	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	50
2	2-Phenylnaphthalene	204	C16H12	035465-71-5	49
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	47
4	2H-Cyclopentacyclooctene, 4,5,6,...	204	C15H24	1000221-85-8	47
5	2-Acetyl-3,7-dimethylbenzo(b)thi...	204	C12H12OS	006179-06-2	38





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Quant Title : SVOA CALIBRATION

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

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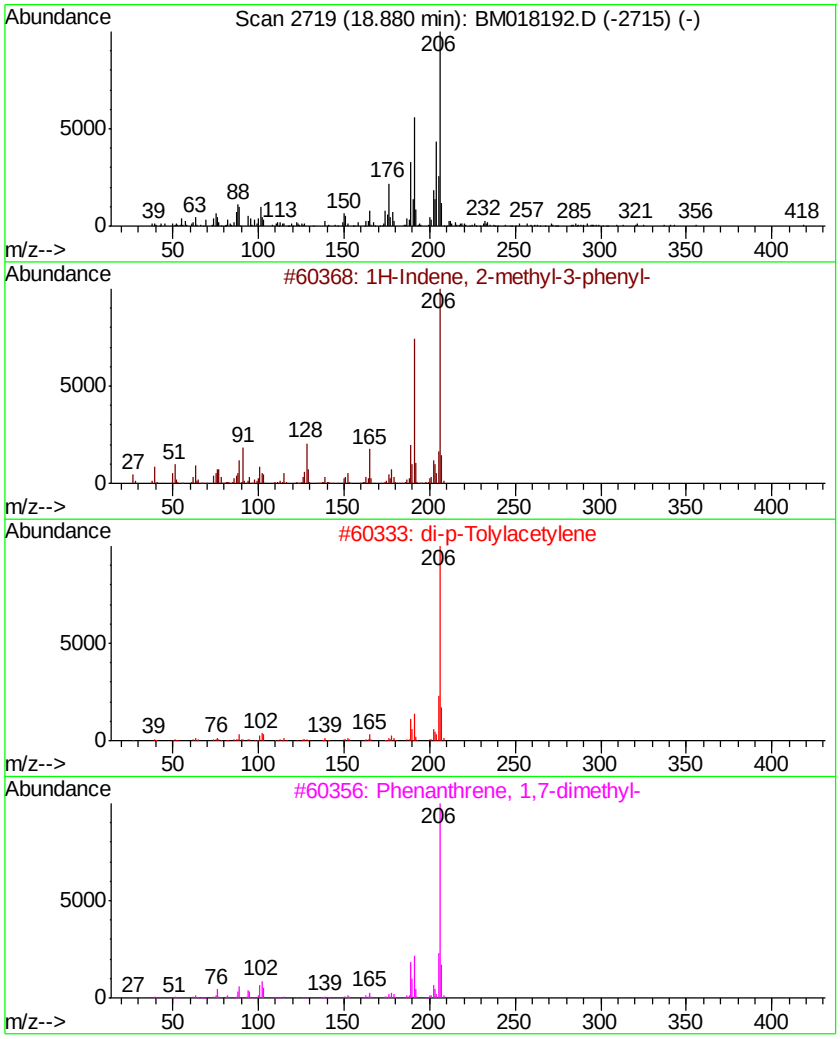
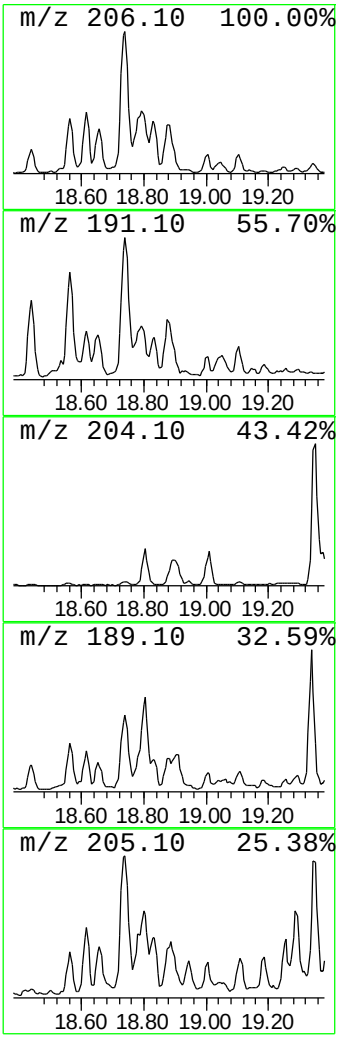
Peak Number 28 1H-Indene, 2-methyl-3-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.88	5.89 ng/ul	594686	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	83
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	64
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	60
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	58
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	58





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Quant Title : SVOA CALIBRATION

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

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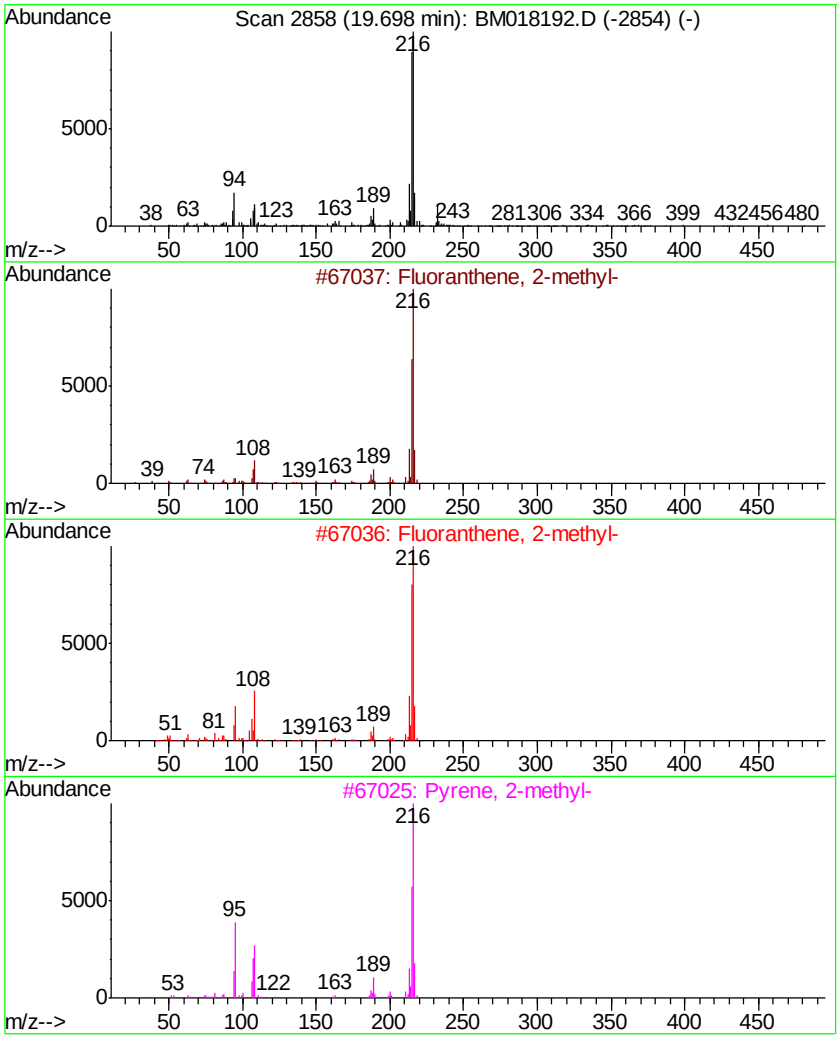
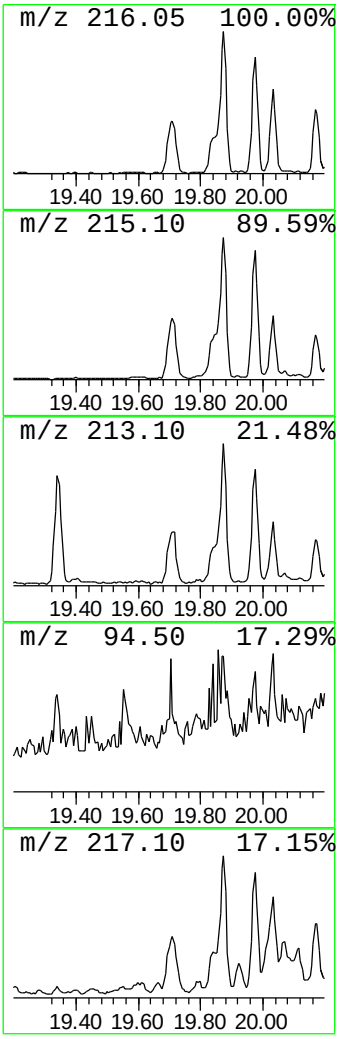
Peak Number 29 Fluoranthene, 2-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.70	2.53 ng/ul	893432	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83





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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 30 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.87	4.01 ng/ul	1415560	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
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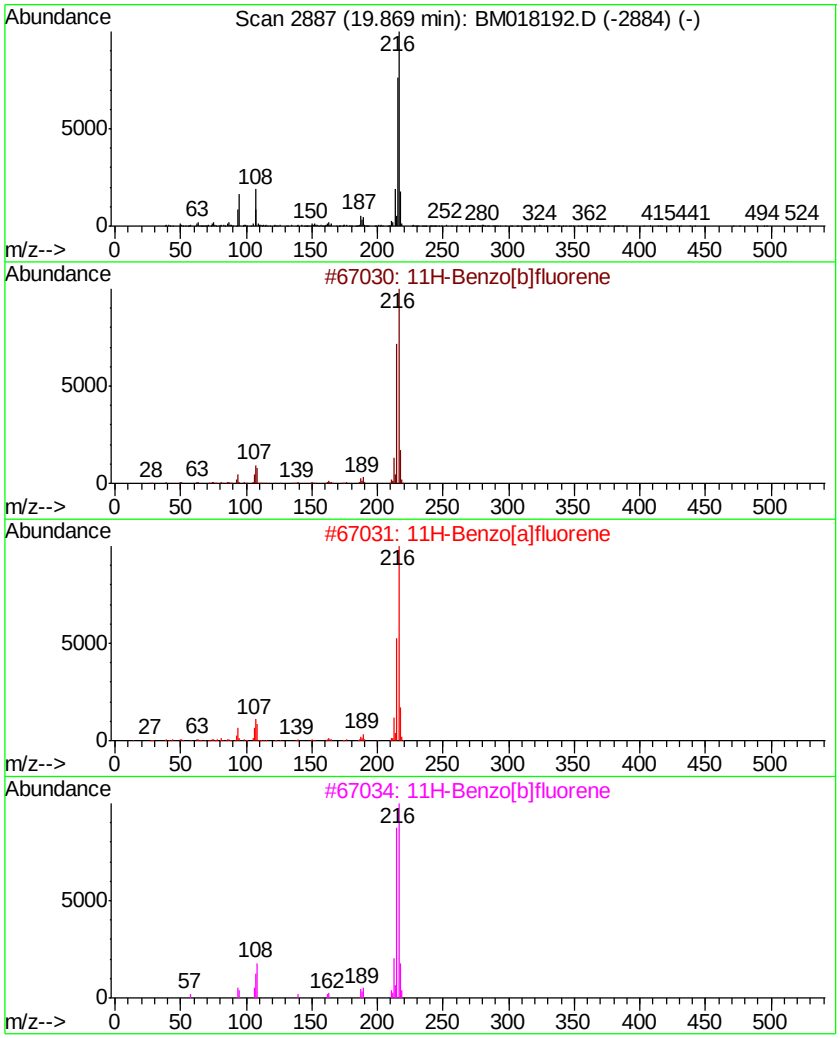

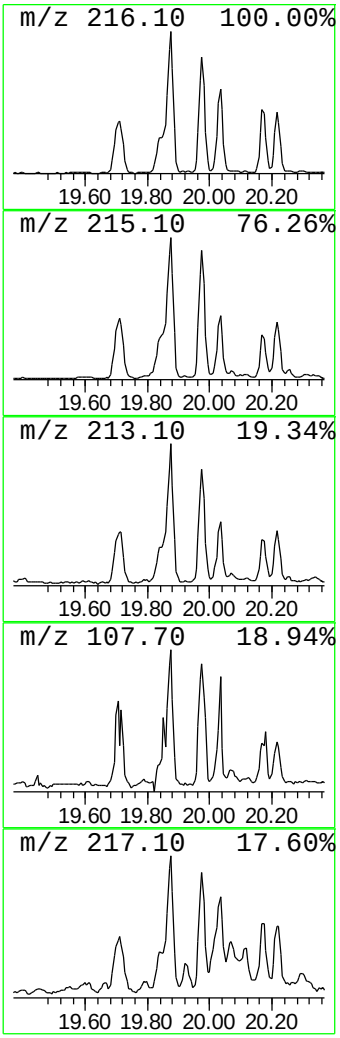

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Quant Title : SVOA CALIBRATION

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

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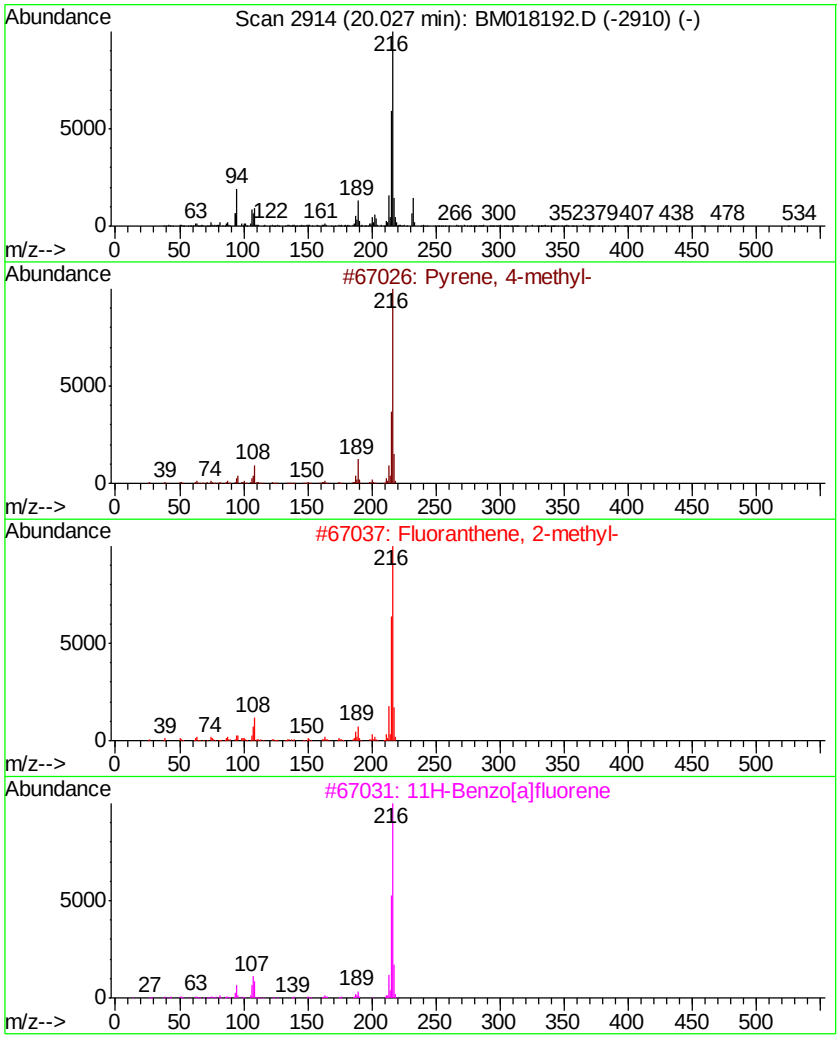
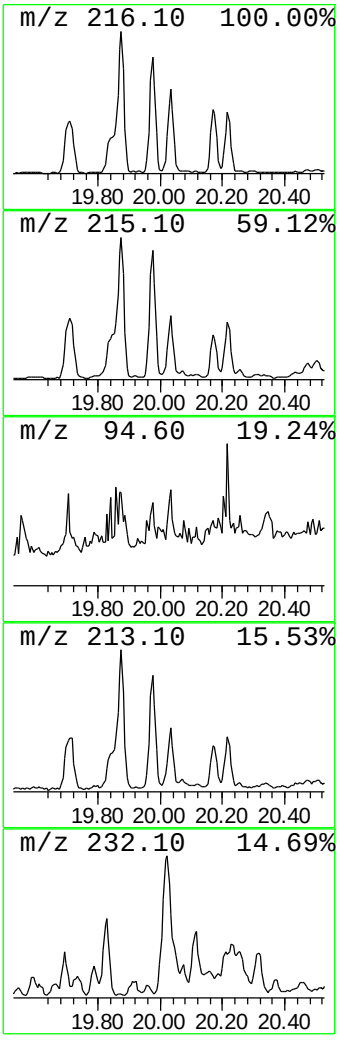
Peak Number 32 Pyrene, 4-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.03	2.54 ng/ul	897435	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	74





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ALS Vial : 26 Sample Multiplier: 1

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ClientSampleId : BE8B6

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Quant Title : SVOA CALIBRATION

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

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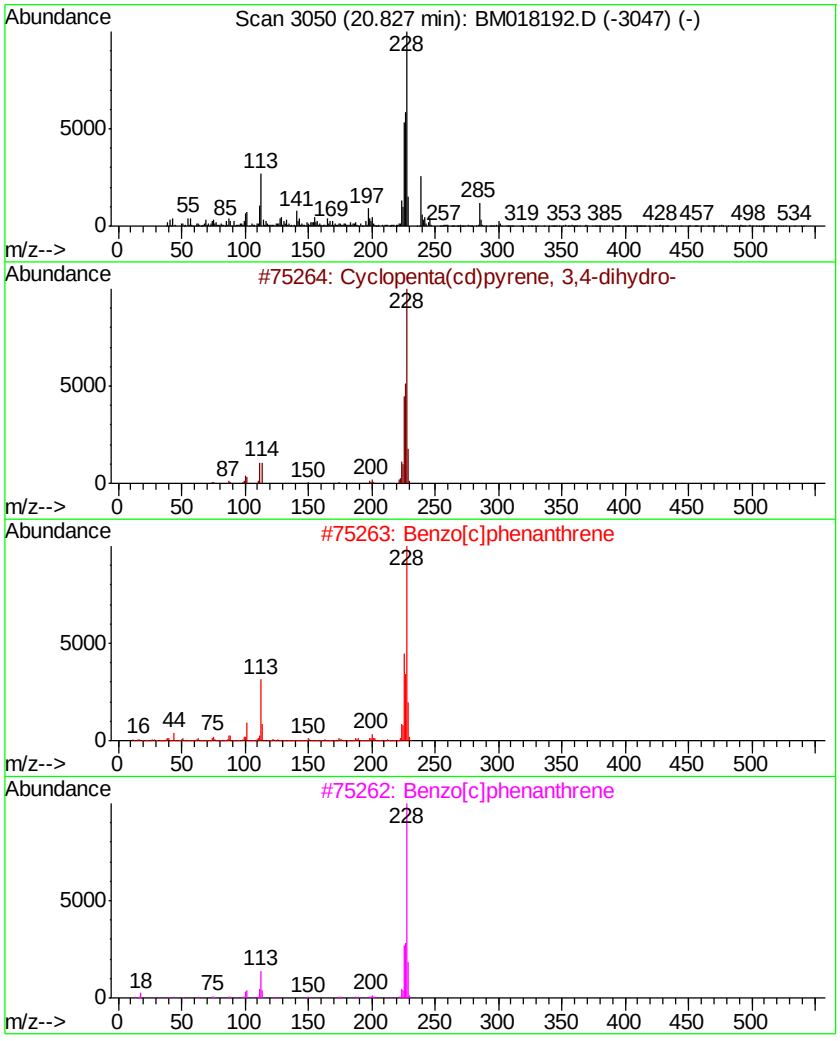
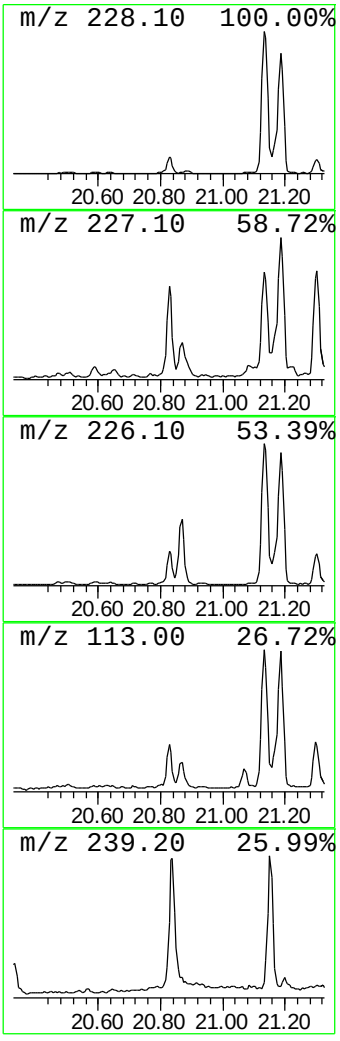
Peak Number 33 unknown-02 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.83	3.57 ng/ul	1259660	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	41
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	35
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	27
4	Triphenylene	228	C18H12	000217-59-4	25
5	Butanoic acid, 2-(cyano)(2,4,6-t...	300	C17H20N2O3	1000267-71-7	25





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Data File : BM018192.D
Acq On : 15 Dec 2018 06:24
Operator : JU/SJ
Sample : J6238-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE8B6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION

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

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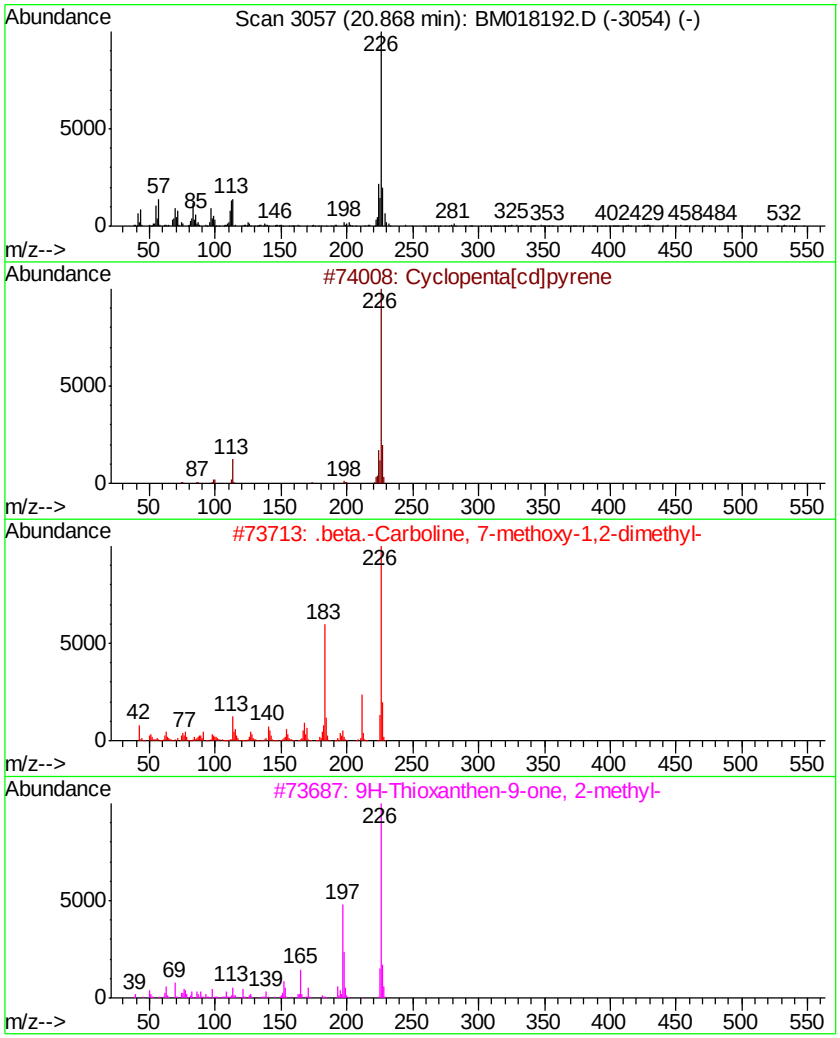
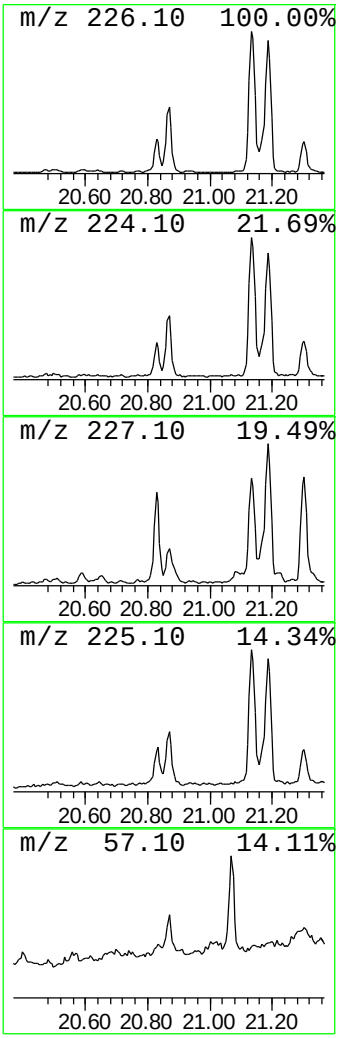
Peak Number 34 Cyclopenta[cd]pyrene Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	2.27 ng/ul	800316	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	76
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	64
3	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	59
4	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	53
5	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121418\
Data File : BM018192.D
Acq On : 15 Dec 2018 06:24
Operator : JU/SJ
Sample : J6238-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE8B6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION

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

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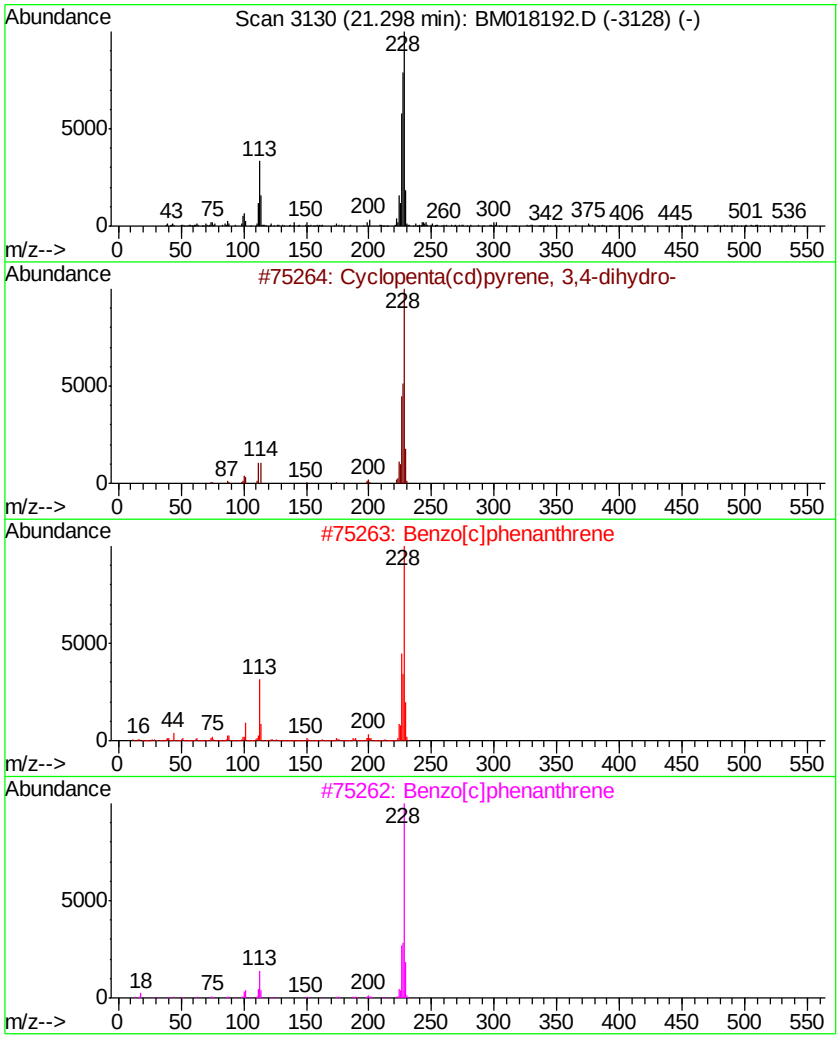
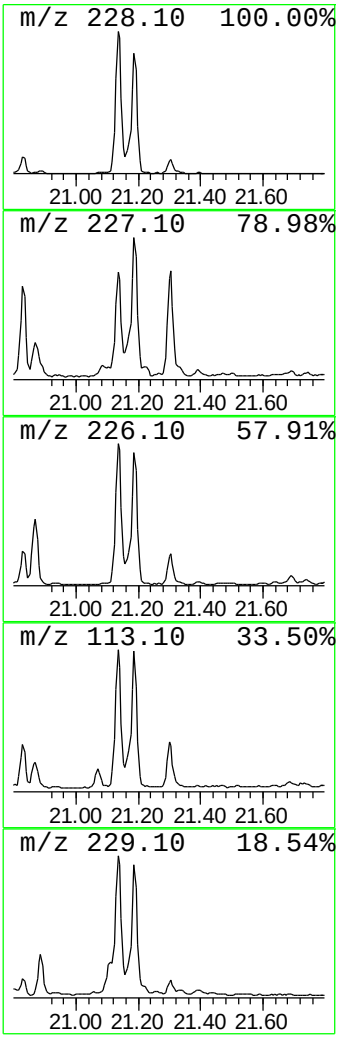
Peak Number 35 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.30	2.09 ng/ul	738304	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	64
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	50
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	38
4	2-Nitrophenyl selenocyanate	228	C7H4N2O2Se	051694-22-5	38
5	Benz[a]anthracene	228	C18H12	000056-55-3	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM121418\
Data File : BM018192.D
Acq On : 15 Dec 2018 06:24
Operator : JU/SJ
Sample : J6238-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE8B6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.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
Naphthalene, 1-me...	12.17	3.3	ng/ul	283828	2	10.28	1716910	20.0
Naphthalene, 2,6-...	13.34	2.3	ng/ul	264914	3	14.17	2289030	20.0
Naphthalene, 2,3-...	13.48	3.3	ng/ul	377541	3	14.17	2289030	20.0
Dibenzofuran, 4-m...	15.52	4.2	ng/ul	480850	3	14.17	2289030	20.0
9H-Fluoren-9-ol	15.67	5.0	ng/ul	501218	4	16.93	2019200	20.0
Azulene, 7-ethyl-...	15.91	2.7	ng/ul	270469	4	16.93	2019200	20.0
9H-Fluorene, 1-me...	16.23	8.4	ng/ul	847490	4	16.93	2019200	20.0
9H-Fluorene, 9-me...	16.29	3.5	ng/ul	356279	4	16.93	2019200	20.0
unknown-01	16.67	4.8	ng/ul	487334	4	16.93	2019200	20.0
Dibenzothiophene	16.75	7.2	ng/ul	722498	4	16.93	2019200	20.0
9H-Fluorene, 9,9-...	17.13	3.2	ng/ul	327263	4	16.93	2019200	20.0
1H-Indene, 1-(phe...	17.45	3.0	ng/ul	301037	4	16.93	2019200	20.0
Dibenzothiophene,...	17.51	3.1	ng/ul	311999	4	16.93	2019200	20.0
Phenanthrene, 2-m...	17.80	14.9	ng/ul	1502250	4	16.93	2019200	20.0
4H-Cyclopenta[def...	18.00	27.3	ng/ul	2759690	4	16.93	2019200	20.0
Anthracene, 9-met...	18.04	9.7	ng/ul	983827	4	16.93	2019200	20.0
Quinoline-3-carbo...	18.27	2.8	ng/ul	283882	4	16.93	2019200	20.0
2-Phenylnaphthalene	18.32	9.9	ng/ul	999998	4	16.93	2019200	20.0
9,10-Anthracenedione	18.37	3.4	ng/ul	346743	4	16.93	2019200	20.0
Anthracene, 2-ethyl-	18.56	7.0	ng/ul	706478	4	16.93	2019200	20.0
Phenanthrene, 3,6...	18.62	3.0	ng/ul	305939	4	16.93	2019200	20.0
Phenanthrene, 2,5...	18.74	10.6	ng/ul	1072310	4	16.93	2019200	20.0
5,16[1',2']:8,13[...	18.80	3.2	ng/ul	322417	4	16.93	2019200	20.0
1H-Indene, 2-meth...	18.88	5.9	ng/ul	594686	4	16.93	2019200	20.0
Fluoranthene, 2-m...	19.70	2.5	ng/ul	893432	5	21.15	7052760	20.0
11H-Benzo[b]fluorene	19.87	4.0	ng/ul	1415560	5	21.15	7052760	20.0
Pyrene, 4-methyl-	20.03	2.5	ng/ul	897435	5	21.15	7052760	20.0
unknown-02	20.83	3.6	ng/ul	1259660	5	21.15	7052760	20.0
Cyclopenta[cd]pyrene	20.87	2.3	ng/ul	800316	5	21.15	7052760	20.0
Cyclopenta(cd)pyr...	21.30	2.1	ng/ul	738304	5	21.15	7052760	20.0