LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101519\
Data File : BM023191.D
Acq On : 16 Oct 2019 13:09
Operator : JU
Sample : K5199-09
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEP76

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-BM101419MA.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	6.858	650	658	667	rBV	1728796	2888639	14.17%	0.998%
2	7.022	677	686	697	rBV	1359272	2262643	11.10%	0.781%
3	7.222	713	720	731	rBV	1865688	2978134	14.61%	1.028%
4	7.687	791	799	808	rBV	1802244	2849349	13.98%	0.984%
5	8.387	911	918	926	rBV	1972413	3164517	15.52%	1.093%
6	8.834	985	994	1004	rVV	1769593	2905922	14.25%	1.004%
7	9.551	1108	1116	1123	rBV	1263862	2096043	10.28%	0.724%
8	10.087	1193	1207	1217	rBV	2306343	3915891	19.21%	1.352%
9	10.469	1264	1272	1278	rBV	2525483	4274516	20.97%	1.476%
10	10.516	1278	1280	1287	rVB	127112	185920	0.91%	0.064%
11	10.598	1287	1294	1303	rBV	863807	1560450	7.65%	0.539%
12	12.140	1548	1556	1563	rVB2	128276	237843	1.17%	0.082%
13	13.657	1804	1814	1818	rBV2	166084	298167	1.46%	0.103%
14	13.745	1823	1829	1833	rVV	3966463	5593773	27.44%	1.932%
15	13.792	1833	1837	1844	rVV	1167112	1605740	7.88%	0.555%
16	14.016	1868	1875	1886	rBV	4757775	7589252	37.22%	2.621%
17	14.328	1921	1928	1934	rVV2	3706220	5542074	27.18%	1.914%
18	14.392	1934	1939	1947	rVV	343001	516533	2.53%	0.178%
19	14.475	1947	1953	1956	rVV2	115557	210756	1.03%	0.073%
20	14.516	1956	1960	1963	rVV	674454	953630	4.68%	0.329%
21	14.569	1963	1969	1979	rVV	7305016	11678458	57.28%	4.033%
22	14.663	1983	1985	1991	rVV	183572	299372	1.47%	0.103%
23	14.745	1992	1999	2005	rVV4	325450	772696	3.79%	0.267%
24	14.957	2029	2035	2040	rBV	93373	174263	0.85%	0.060%
25	15.286	2085	2091	2092	rBV2	191597	247886	1.22%	0.086%
26	15.322	2092	2097	2103	rVV	5680408	8194981	40.20%	2.830%
27	15.381	2103	2107	2111	rVB2	370852	490817	2.41%	0.169%
28	15.433	2111	2116	2121	rBV	757314	1014445	4.98%	0.350%
29	15.828	2178	2183	2190	rVB3	121074	285056	1.40%	0.098%
30	15.904	2190	2196	2206	rBV6	83421	206895	1.01%	0.071%
31	16.386	2275	2278	2282	rVV3	142339	202955	1.00%	0.070%
32	16.433	2282	2286	2291	rVB3	119576	172214	0.84%	0.059%
33	16.651	2320	2323	2327	rVV4	140311	215690	1.06%	0.074%
34	16.722	2331	2335	2345	rVB2	218600	378756	1.86%	0.131%

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Sample : K5199-09
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEP76

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-BM101419MA.M
Title : SVOA CALIBRATION

35	16.816	2347	2351	2358	rBV3	115487	300385	1.47%	0.104%
36	16.886	2358	2363	2367	rVB2	260899	424377	2.08%	0.147%
37	17.075	2389	2395	2398	rBV2	3568493	5479567	26.88%	1.892%
38	17.116	2398	2402	2406	rVV	5225611	7030535	34.48%	2.428%
39	17.169	2406	2411	2415	rVV	5563595	7972791	39.11%	2.753%
40	17.204	2415	2417	2422	rVB	1059515	1176386	5.77%	0.406%
41	17.263	2423	2427	2433	rBV3	213741	386276	1.89%	0.133%
42	17.469	2458	2462	2468	rVB	409477	559843	2.75%	0.193%
43	17.604	2482	2485	2489	rVB2	117916	168672	0.83%	0.058%
44	17.657	2490	2494	2503	rVB2	302088	605712	2.97%	0.209%
45	17.798	2514	2518	2525	rVB	199650	343212	1.68%	0.119%
46	17.945	2539	2543	2547	rBV	947803	1406896	6.90%	0.486%
47	17.998	2547	2552	2558	rVB	2041350	2792485	13.70%	0.964%
48	18.063	2558	2563	2570	rBV2	1334061	2145563	10.52%	0.741%
49	18.145	2570	2577	2581	rBV3	1939546	3901508	19.14%	1.347%
50	18.210	2586	2588	2592	rVB	285000	311274	1.53%	0.107%
51	18.257	2593	2596	2599	rBV3	195238	244197	1.20%	0.084%
52	18.451	2624	2629	2632	rBV2	628778	1059709	5.20%	0.366%
53	18.486	2632	2635	2647	rVB2	881622	1351822	6.63%	0.467%
54	18.580	2648	2651	2654	rBV	211797	264013	1.29%	0.091%
55	18.704	2669	2672	2676	rVB	364604	448055	2.20%	0.155%
56	18.751	2677	2680	2683	rVV	341407	444341	2.18%	0.153%
57	18.792	2684	2687	2690	rVB	317432	394176	1.93%	0.136%
58	18.874	2696	2701	2706	rBV	975654	1651478	8.10%	0.570%
59	18.933	2706	2711	2715	rVV3	681028	1439413	7.06%	0.497%
60	18.968	2715	2717	2720	rVV2	569820	770362	3.78%	0.266%
61	19.010	2720	2724	2732	rVB4	1224759	2145568	10.52%	0.741%
62	19.133	2740	2745	2751	rVB	10495923	14136961	69.34%	4.882%
63	19.210	2754	2758	2760	rBV2	443065	629174	3.09%	0.217%
64	19.286	2767	2771	2775	rBV2	971128	1356404	6.65%	0.468%
65	19.468	2797	2802	2804	rBV	7150095	10266205	50.35%	3.545%
66	19.498	2804	2807	2814	rVB	9828018	12803114	62.80%	4.421%
67	19.674	2834	2837	2841	rBV	541628	715611	3.51%	0.247%
68	19.733	2844	2847	2854	rVB2	1080230	1548358	7.59%	0.535%
69	19.827	2859	2863	2868	rVV2	639668	1232480	6.05%	0.426%
70	19.963	2882	2886	2888	rBV2	604249	970764	4.76%	0.335%
71	19.998	2888	2892	2897	rVB	1984116	2818705	13.83%	0.973%

LSC Area Percent Report

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Instrument : BNA_M
ClientSampleId : BEP76

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-BM101419MA.M
Title : SVOA CALIBRATION

72	20.051	2897	2901	2905	rBV3	647658	915084	4.49%	0.316%
73	20.092	2905	2908	2913	rVB	1148021	1465273	7.19%	0.506%
74	20.151	2914	2918	2922	rBV2	1310147	1741812	8.54%	0.602%
75	20.292	2938	2942	2945	rVB	857503	1141707	5.60%	0.394%
76	20.339	2946	2950	2956	rBV2	938842	1456360	7.14%	0.503%
77	20.739	3015	3018	3024	rVB2	790771	1368138	6.71%	0.472%
78	20.904	3041	3046	3050	rBV3	1116070	2030473	9.96%	0.701%
79	20.945	3050	3053	3056	rVB	850226	888779	4.36%	0.307%
80	21.004	3056	3063	3066	rBV3	2075949	3580943	17.56%	1.237%
81	21.210	3094	3098	3101	rBV	17567526	20387798	100.00%	7.041%
82	21.251	3101	3105	3110	rVV2	7717386	14513563	71.19%	5.012%
83	21.298	3110	3113	3120	rVB	6205859	7680848	37.67%	2.653%
84	21.415	3130	3133	3136	rBV2	993215	1365113	6.70%	0.471%
85	21.810	3198	3200	3204	rVB	1249288	1372441	6.73%	0.474%
86	21.862	3206	3209	3212	rVV2	863926	1065503	5.23%	0.368%
87	21.892	3212	3214	3218	rVB	588656	637421	3.13%	0.220%
88	22.004	3230	3233	3236	rBV	650310	828279	4.06%	0.286%
89	22.821	3366	3372	3376	rBV	4995104	10912710	53.53%	3.769%
90	22.862	3377	3379	3384	rVB2	3420427	4397877	21.57%	1.519%
91	22.986	3397	3400	3406	rVB	856102	1233041	6.05%	0.426%
92	23.292	3447	3452	3456	rBV	2730422	4791844	23.50%	1.655%
93	23.339	3456	3460	3464	rVV	3479818	6134456	30.09%	2.118%
94	23.386	3464	3468	3473	rVB	4378978	7010664	34.39%	2.421%
95	23.439	3474	3477	3480	rBV	967602	1606040	7.88%	0.555%
96	23.480	3480	3484	3489	rVB	2080234	3379911	16.58%	1.167%
97	24.092	3584	3588	3595	rVB	1275103	2328230	11.42%	0.804%
98	24.850	3713	3717	3733	rVB2	1194356	2957447	14.51%	1.021%
99	25.709	3855	3863	3876	rVB3	2747510	8825530	43.29%	3.048%
100	26.386	3971	3978	3996	rVB	1933968	5891784	28.90%	2.035%

Sum of corrected areas: 289569737

LSC Report - Integrated Chromatogram

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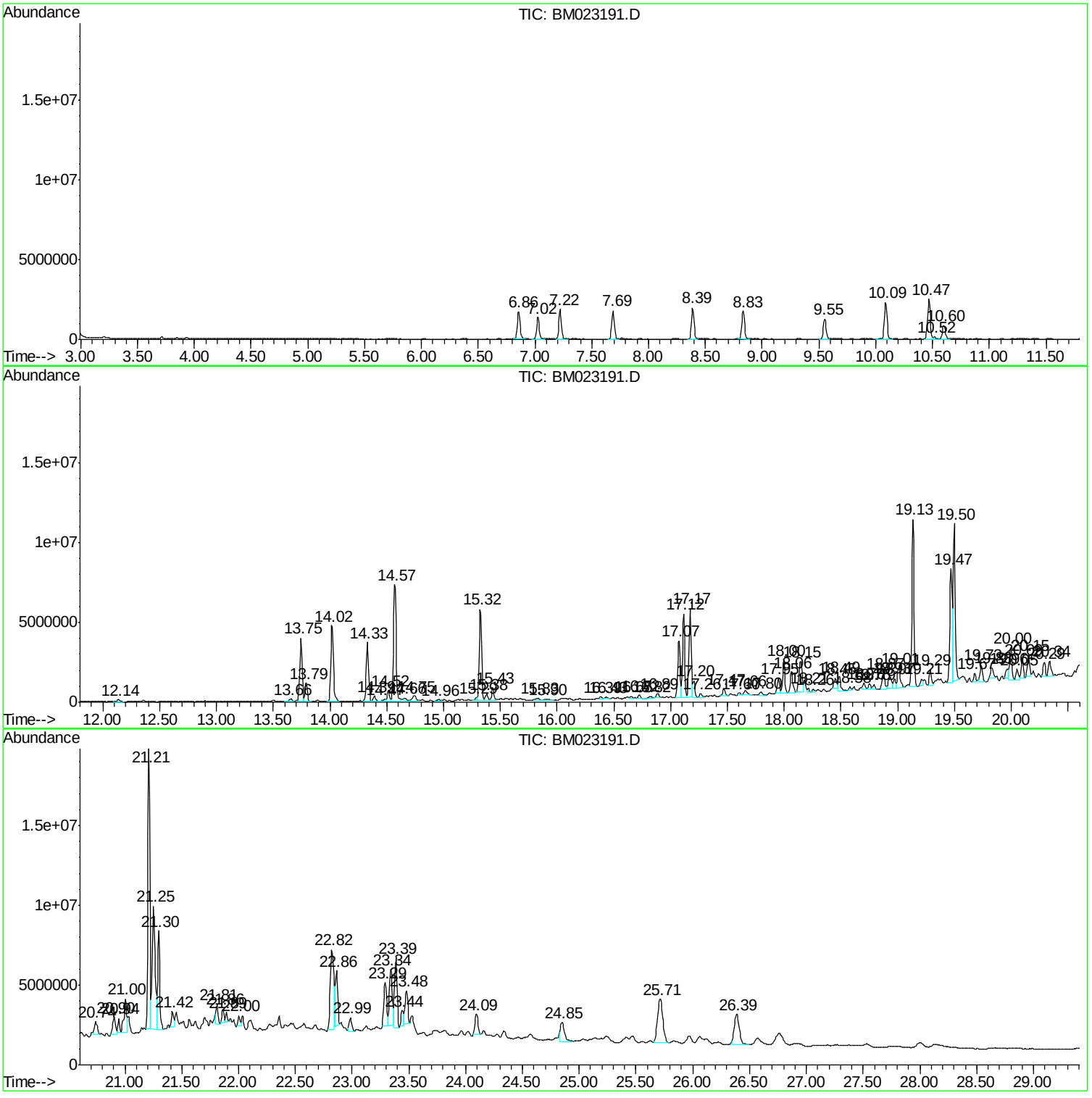
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEP76

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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



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Quant Title : SVOA CALIBRATION

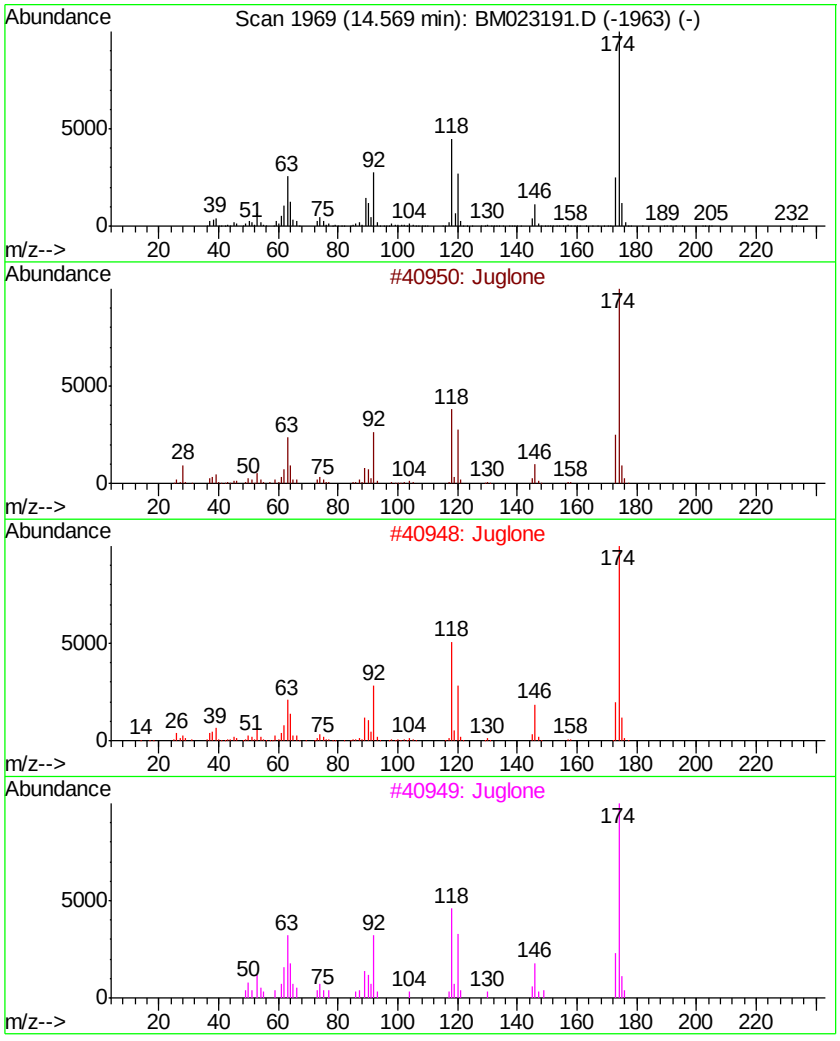
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

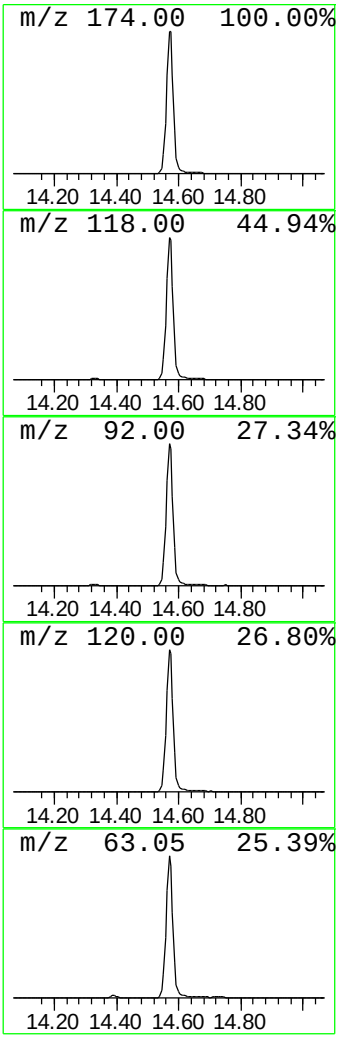
****

Peak Number 1 Juglone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.57	42.14 ng/ul	11678500	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Juglone	174	C10H6O3	000481-39-0	98
2	Juglone	174	C10H6O3	000481-39-0	94
3	Juglone	174	C10H6O3	000481-39-0	91
4	8-Quinolinol, 5-nitroso-	174	C9H6N2O2	003565-26-2	43
5	2,3-Dimethylchromone	174	C11H10O2	017584-90-6	43





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

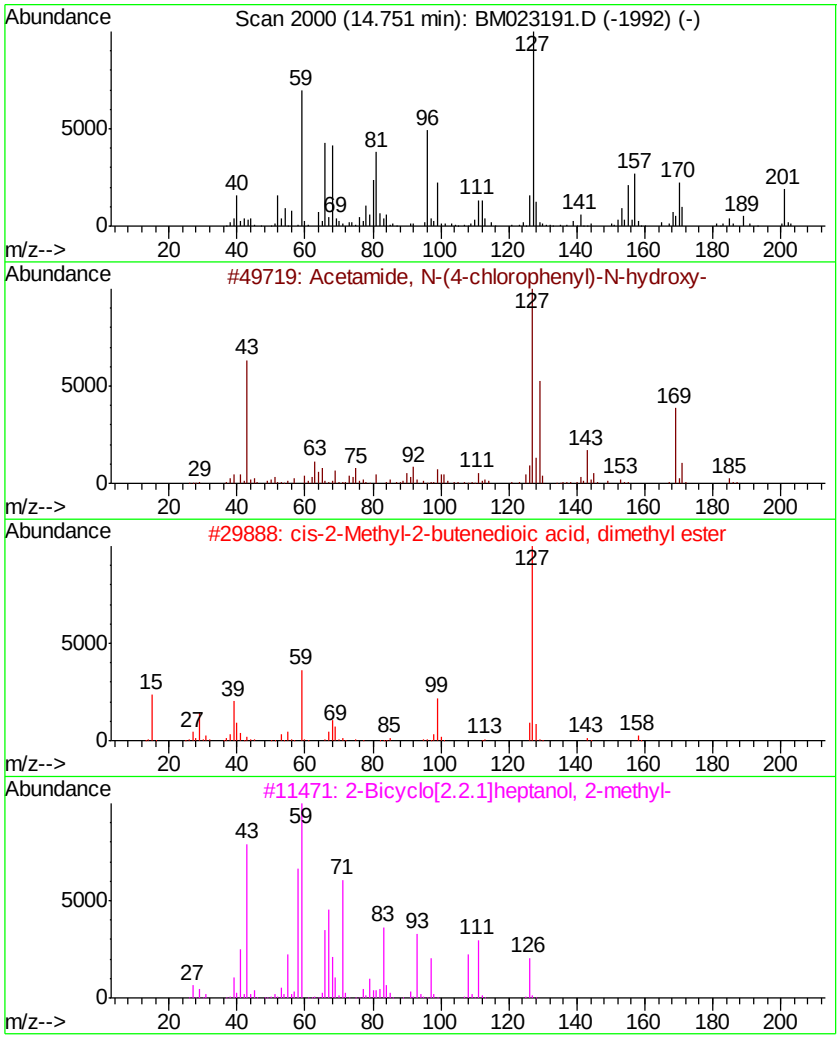
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

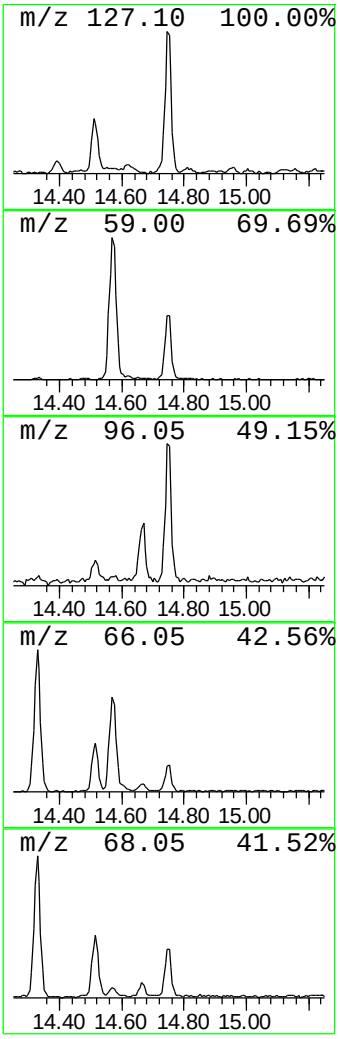
****

Peak Number 2 unknown-01 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.75	2.79 ng/ul	772696	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetamide, N-(4-chlorophenyl)-N-...	185	C8H8ClNO2	001503-91-9	11
2	cis-2-Methyl-2-butenedioic acid,...	158	C7H10O4	000617-54-9	11
3	2-Bicyclo[2.2.1]heptanol, 2-methyl-	126	C8H14O	1000197-57-9	11
4	Fumaric acid, cyclobutyl ethyl e...	198	C10H14O4	1000345-03-2	10
5	Fumaric acid, ethyl 3,4,5-trichl...	322	C12H9Cl3O4	1000348-14-9	10





Library Search Compound Report

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Data File : BM023191.D
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Instrument : BNA_M
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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

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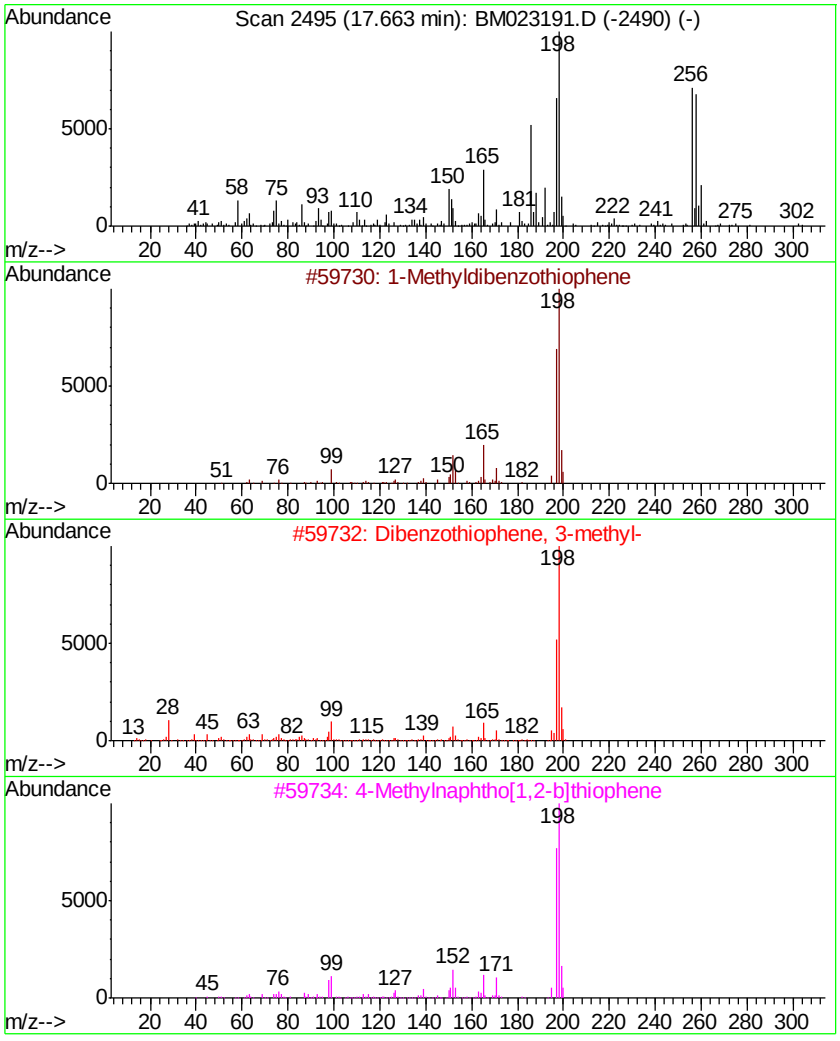
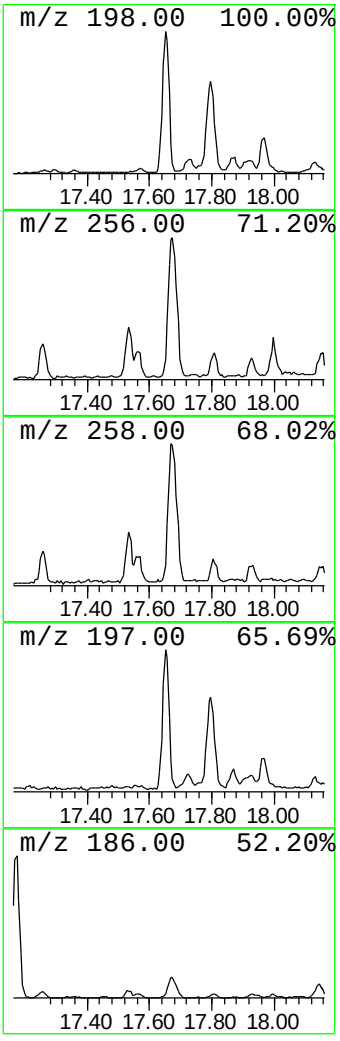
Peak Number 3 1-Methyldibenzothiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.66	2.21 ng/ul	605712	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	70
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	70
3	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	58
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	58
5	Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	017404-69-2	53





Library Search Compound Report

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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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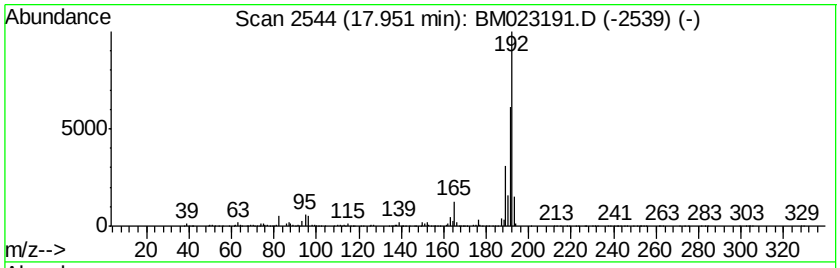
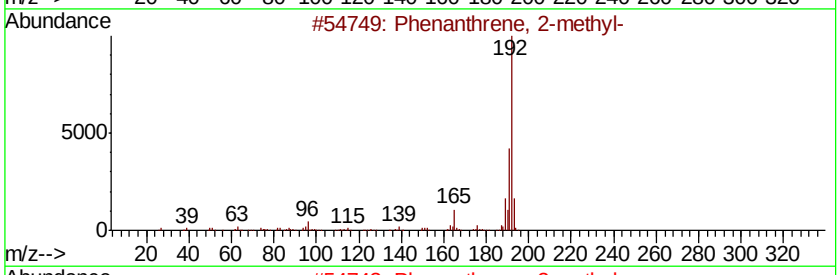
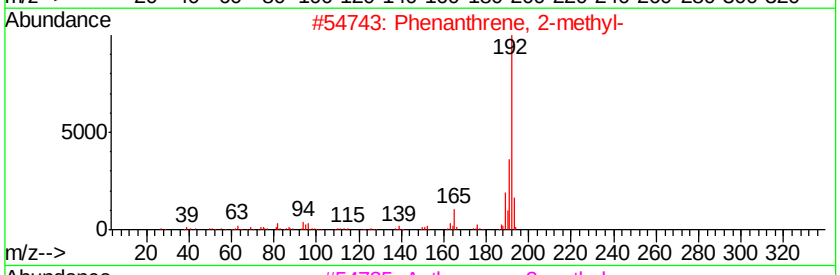
Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 10

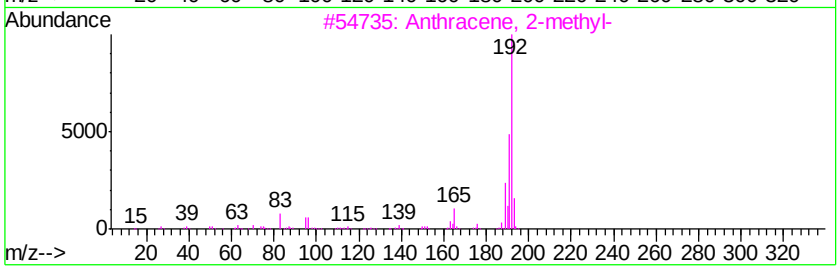
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	5.14 ng/ul	1406900	Phenanthrene-d10	17.07

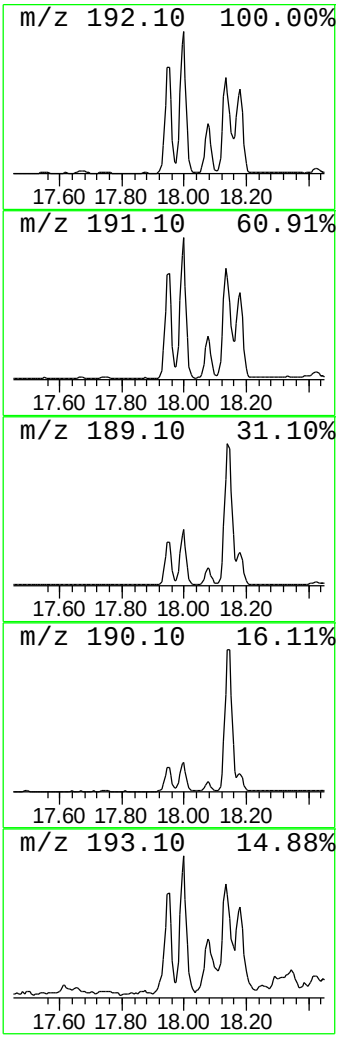
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94











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Instrument : BNA_M
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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

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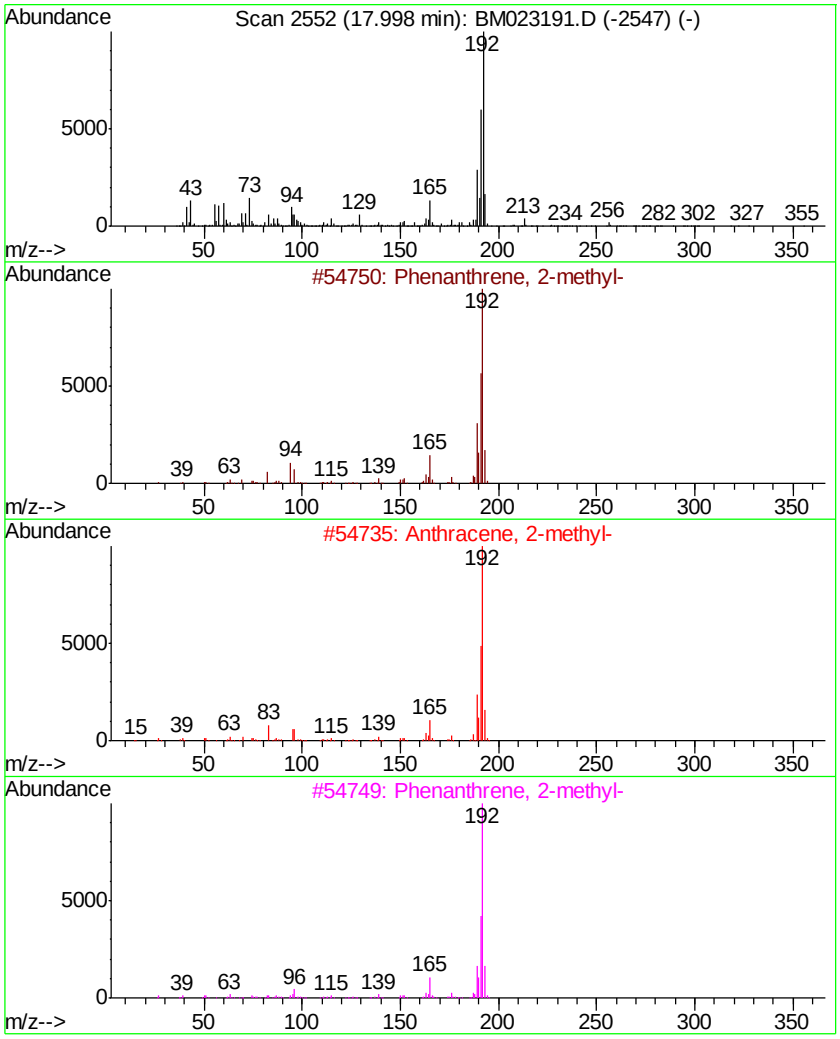
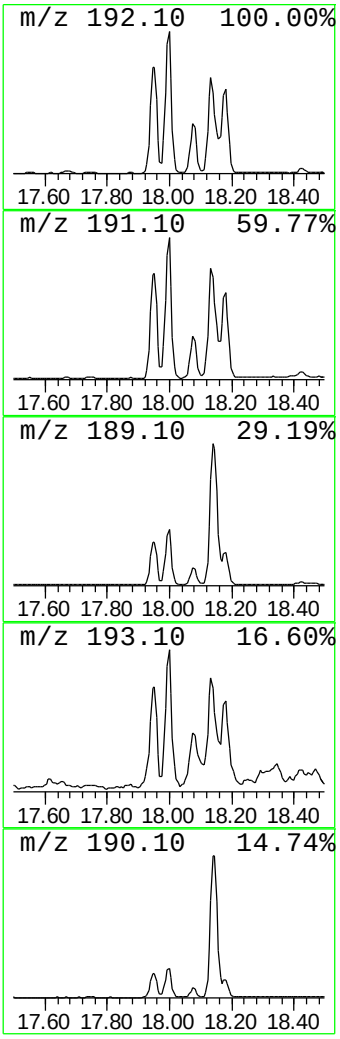
Peak Number 5 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	10.19 ng/ul	2792490	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96





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Acq On : 16 Oct 2019 13:09
Operator : JU
Sample : K5199-09
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEP76

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Quant Title : SVOA CALIBRATION

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

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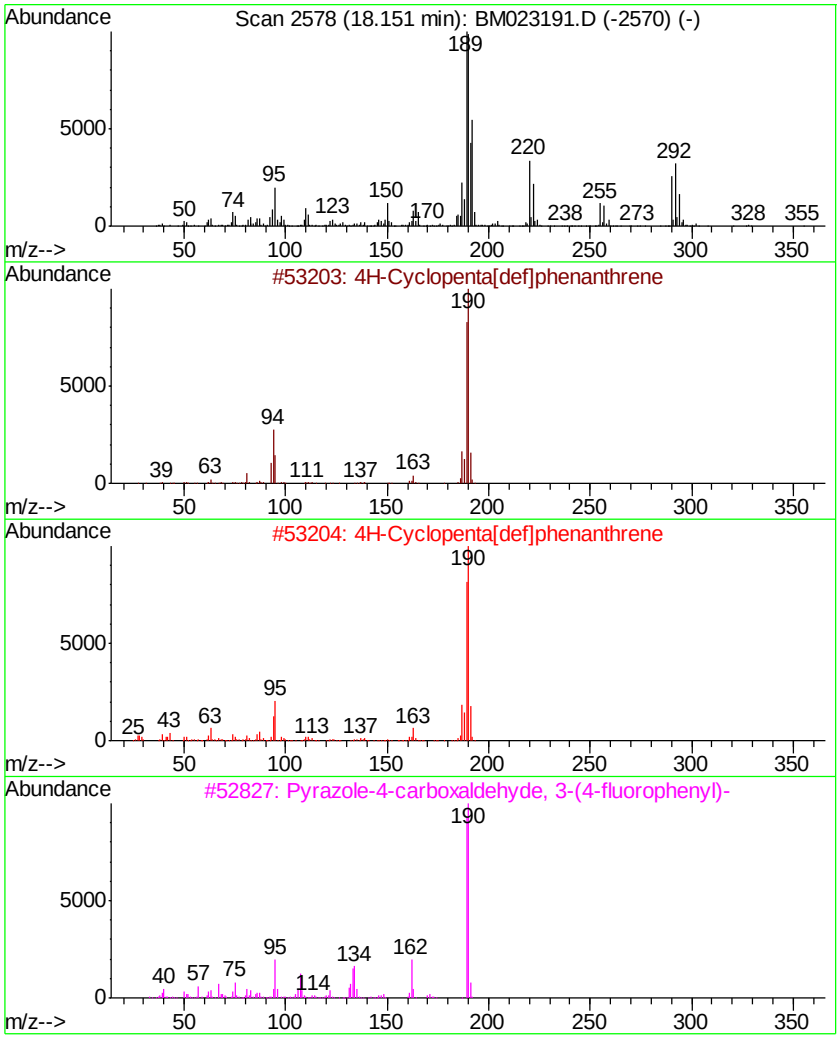
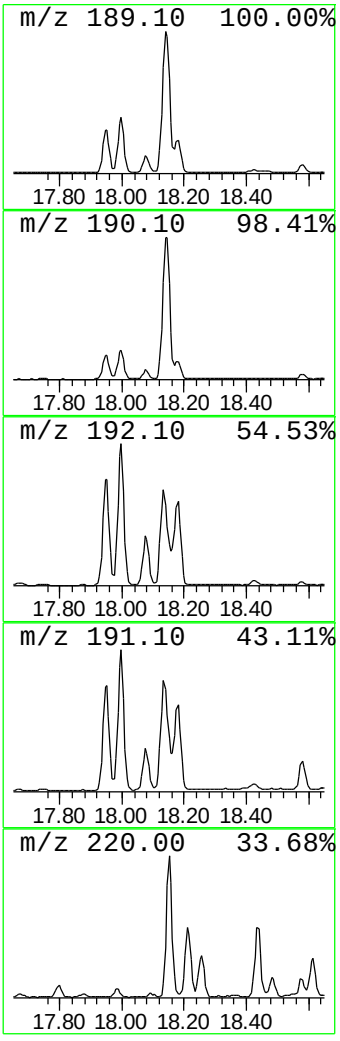
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	14.24 ng/ul	3901510	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
3	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	43
4	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	40
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	38





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Quant Title : SVOA CALIBRATION

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

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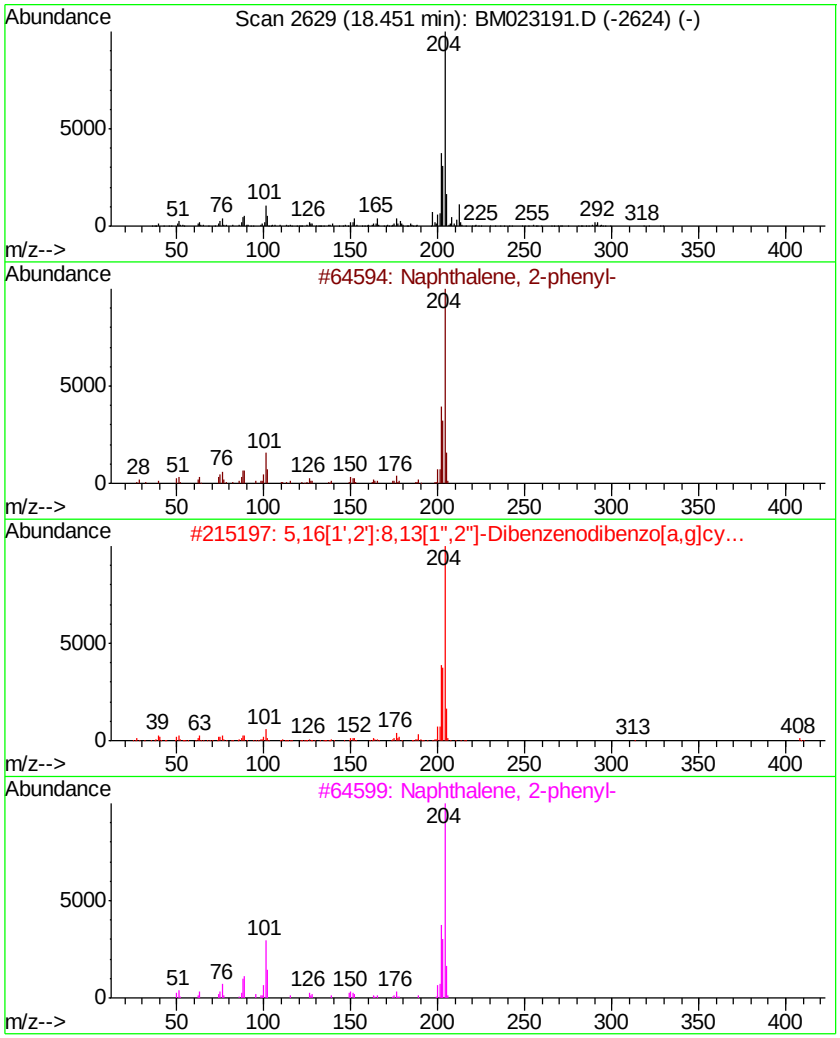
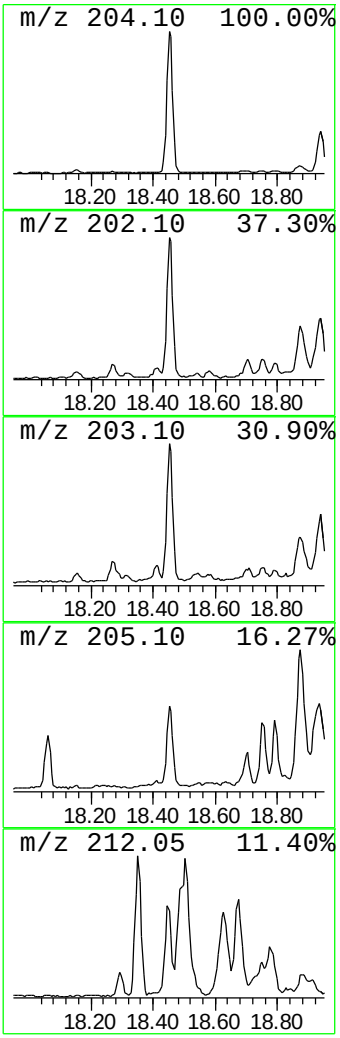
Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	3.87 ng/ul	1059710	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





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Quant Title : SVOA CALIBRATION

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

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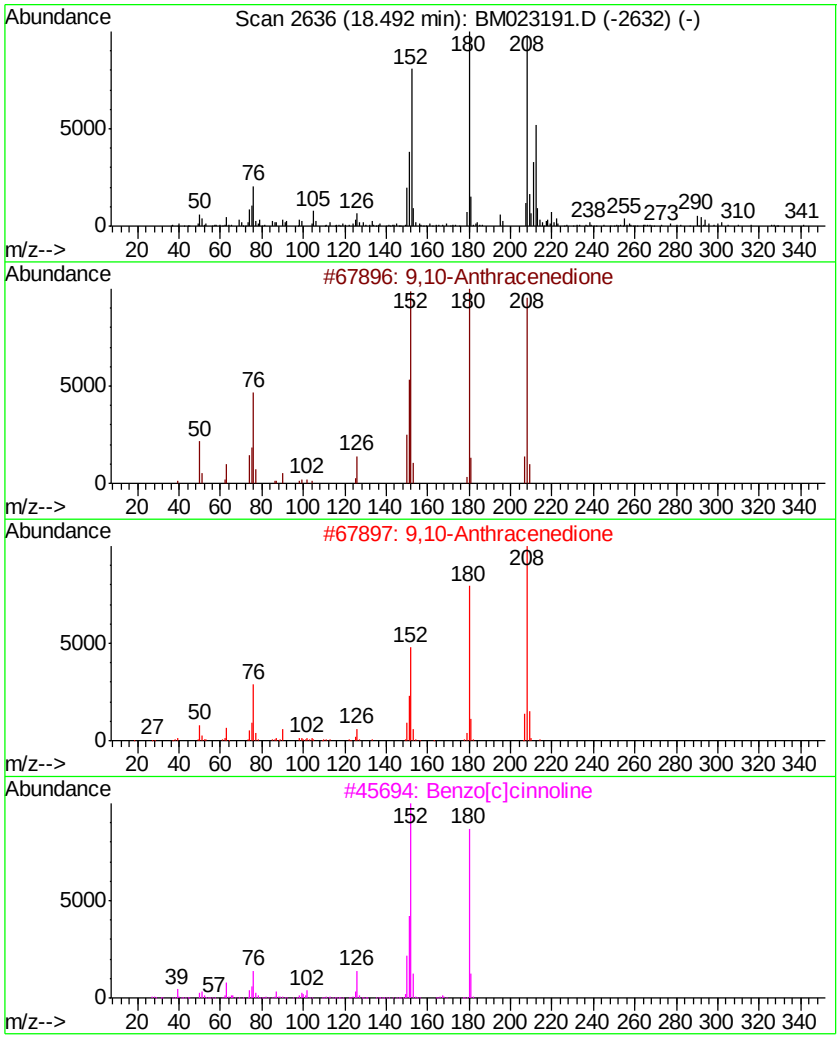
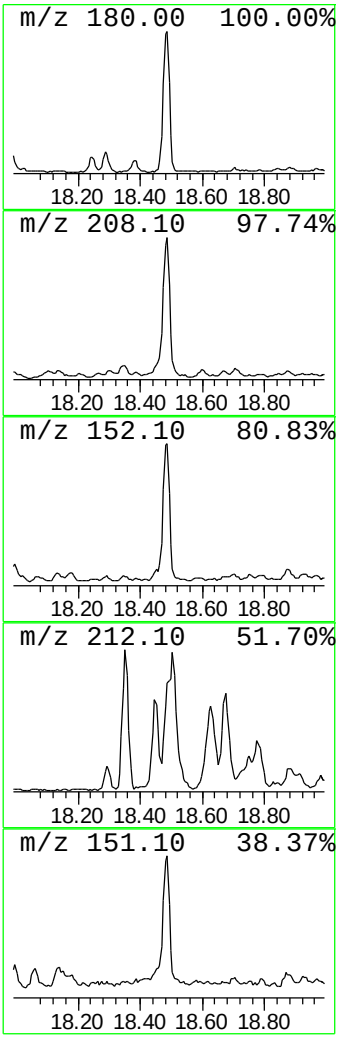
Peak Number 8 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	4.93 ng/ul	1351820	Phenanthrene-d10	17.07

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	91
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	76





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Quant Title : SVOA CALIBRATION

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

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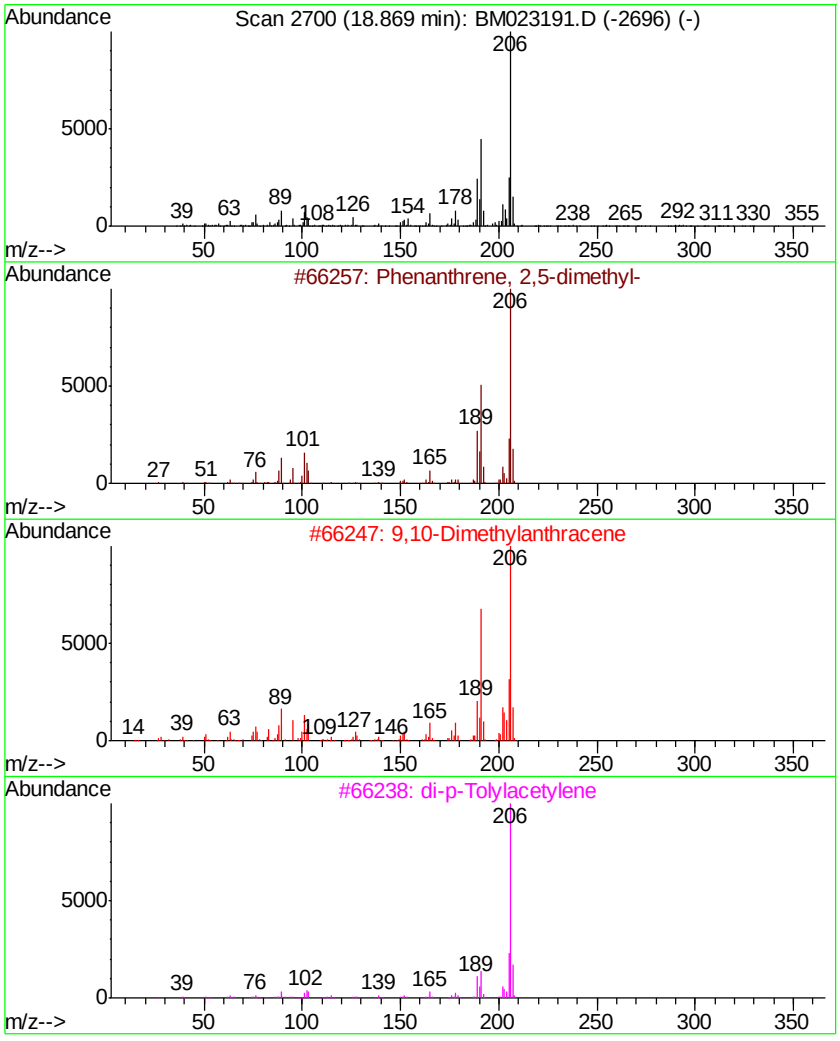
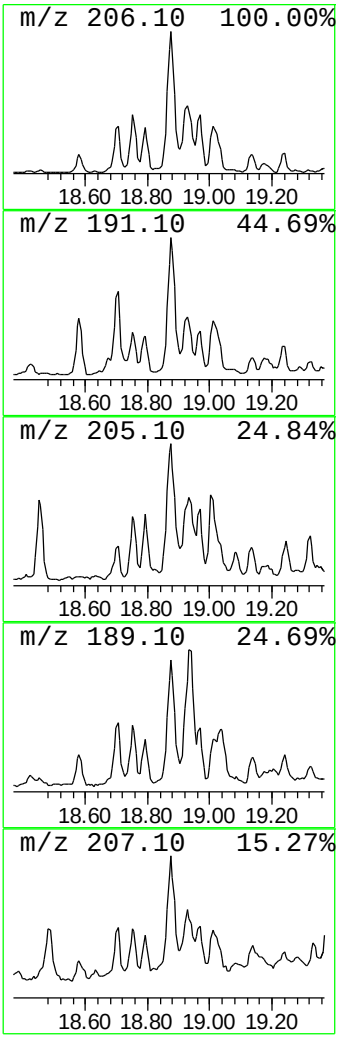
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	6.03 ng/ul	1651480	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





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Quant Title : SVOA CALIBRATION

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

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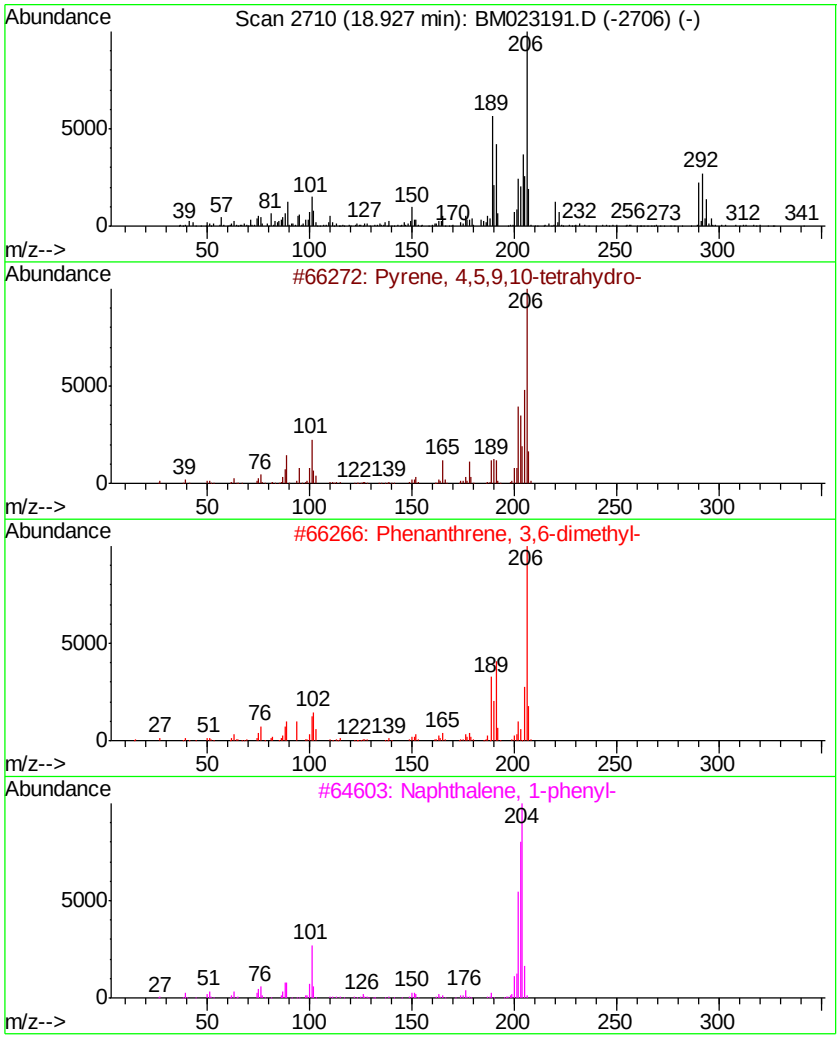
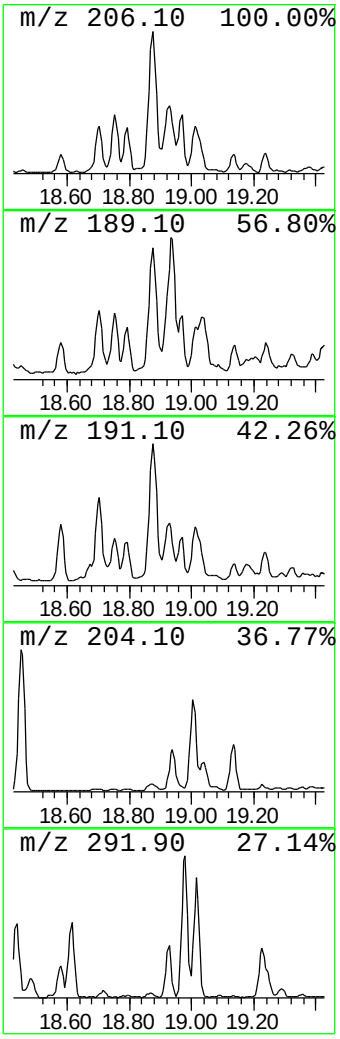
Peak Number 10 unknown-02 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	5.25 ng/ul	1439410	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	44
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	42
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	41
4	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	38
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	30





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Quant Title : SVOA CALIBRATION

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

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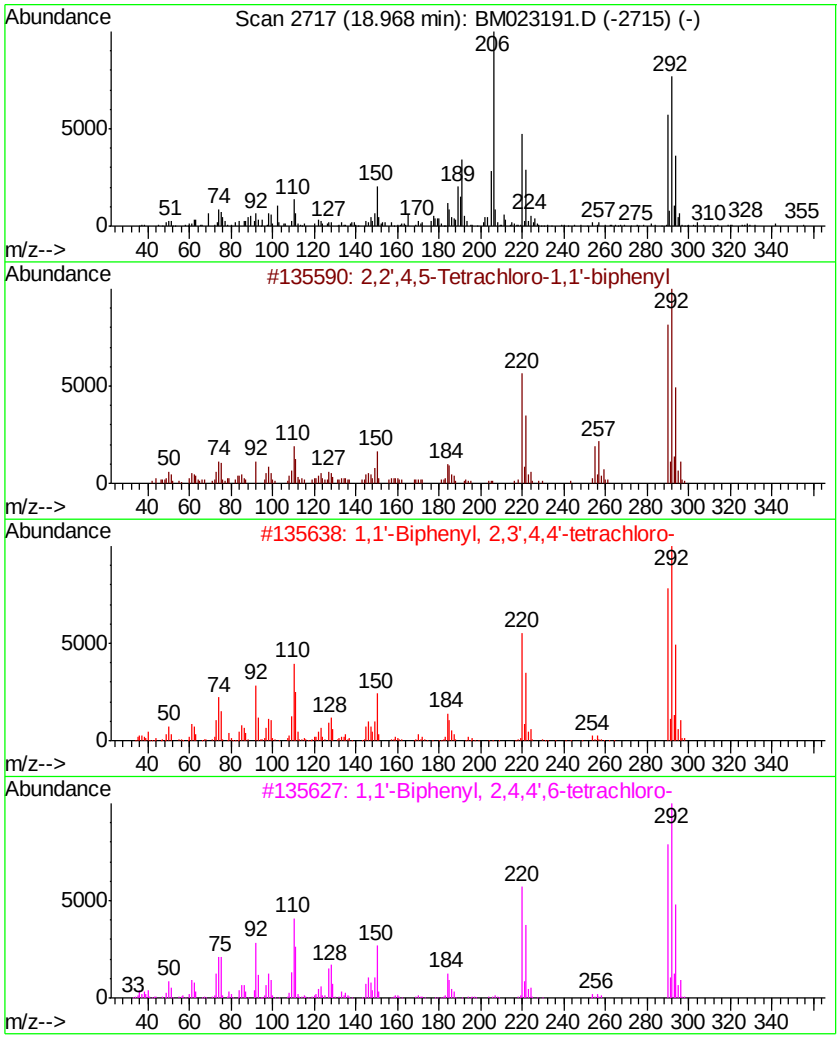
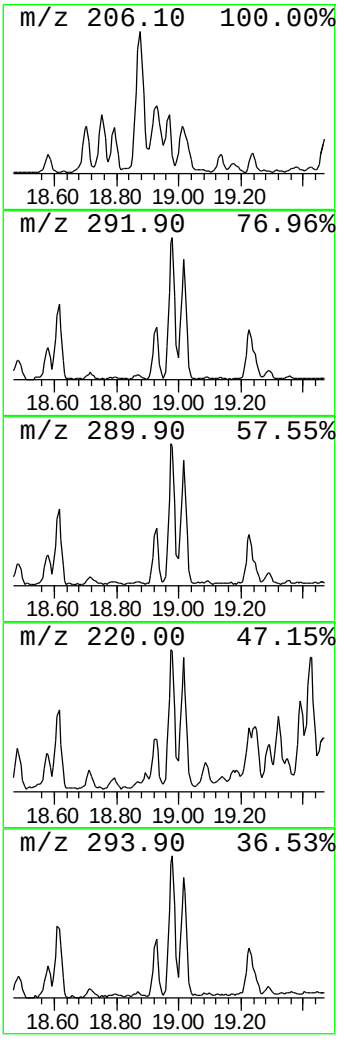
Peak Number 11 2,2',4,5-Tetrachloro-1,1'-b... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	2.81 ng/ul	770362	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	95
2	1,1'-Biphenyl, 2,3',4,4'-tetrach...	290	C12H6Cl4	032598-10-0	91
3	1,1'-Biphenyl, 2,4,4',6-tetrachl...	290	C12H6Cl4	032598-12-2	91
4	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	91
5	1,1'-Biphenyl, 2,3',4,6-Tetrachl...	290	C12H6Cl4	060233-24-1	91





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Quant Title : SVOA CALIBRATION

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

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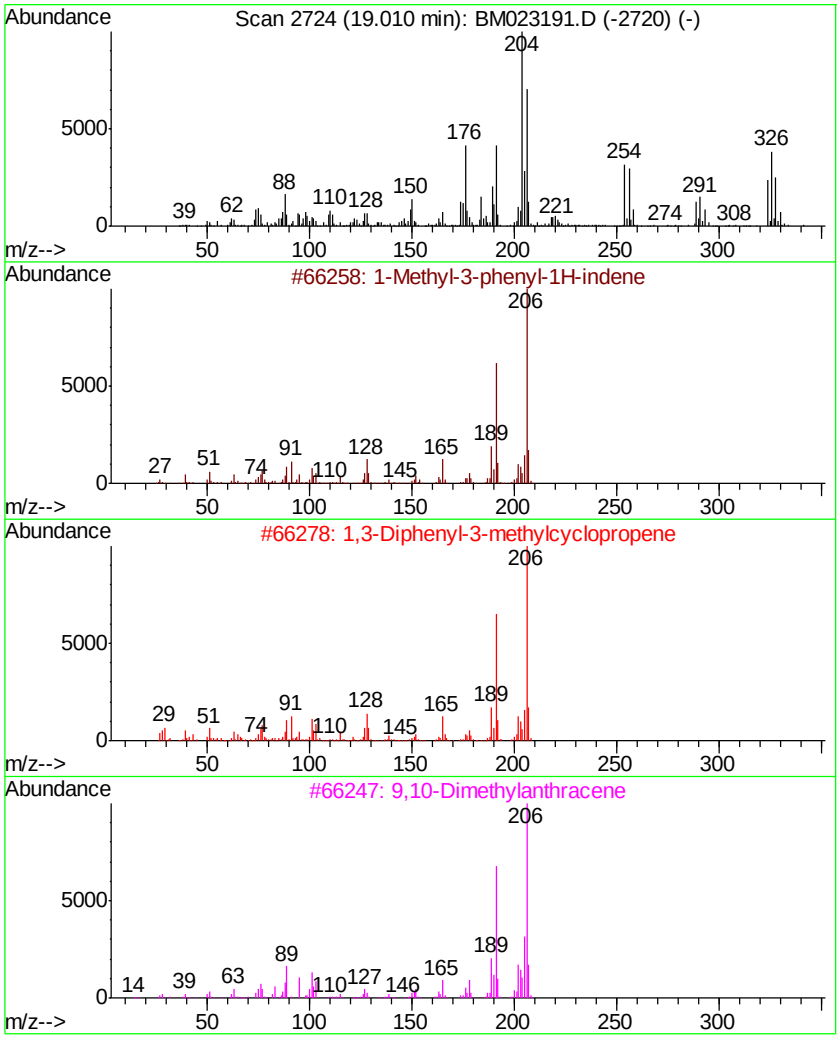
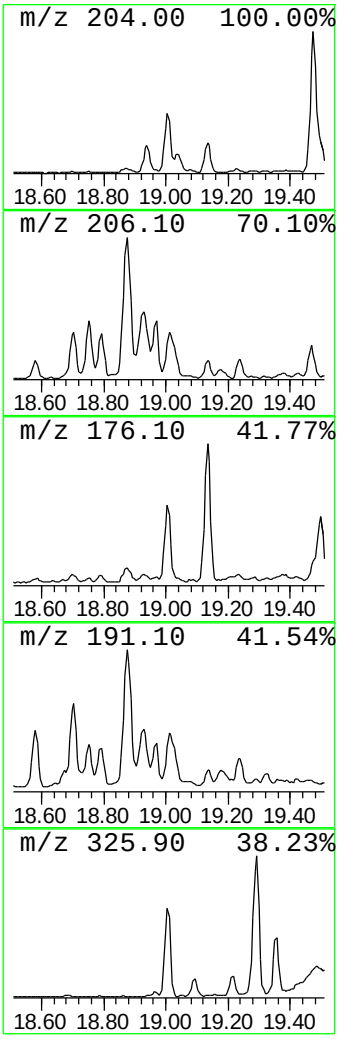
Peak Number 12 unknown-03 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.01	7.83 ng/ul	2145570	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	45
2	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	45
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	40
4	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	40
5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	38





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Quant Title : SVOA CALIBRATION

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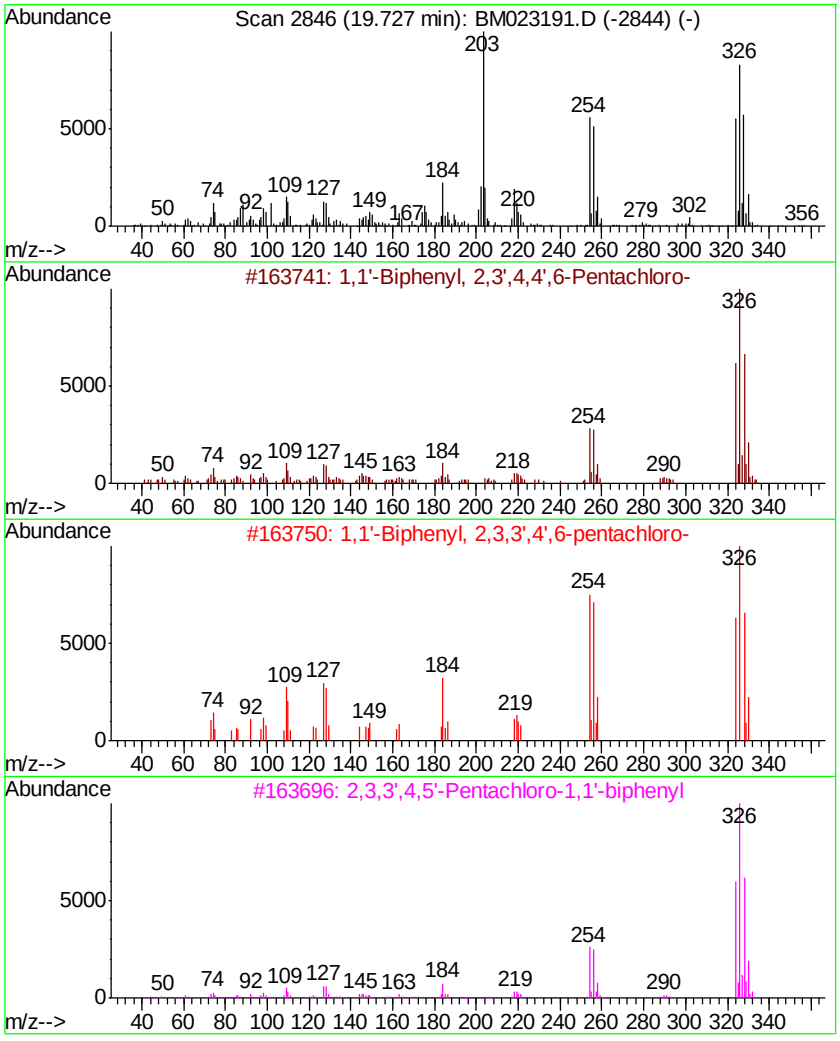
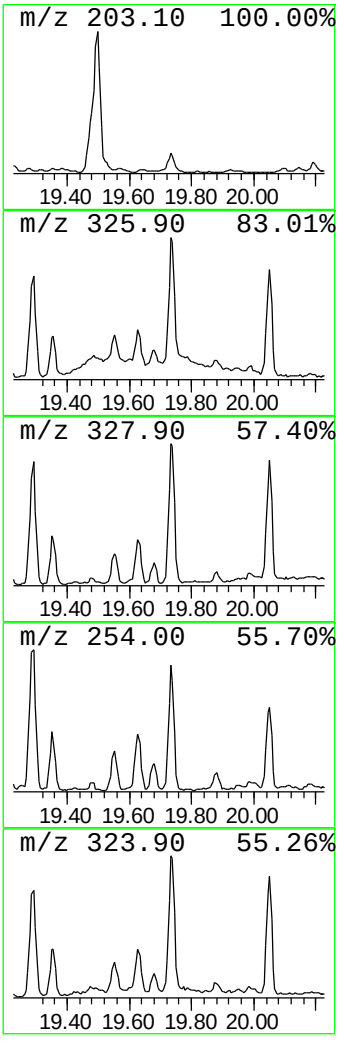
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 1,1'-Biphenyl, 2,3',4,4',6-... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.73	2.13 ng/ul	1548360	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',4,4',6-Penta...	324	C12H5Cl5	056558-17-9	99
2	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
3	2,3,3',4,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	070362-41-3	99
4	3,3',4,4',',5-Pentachloro-1,1'-bi...	324	C12H5Cl5	057465-28-8	99
5	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99





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Quant Title : SVOA CALIBRATION

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

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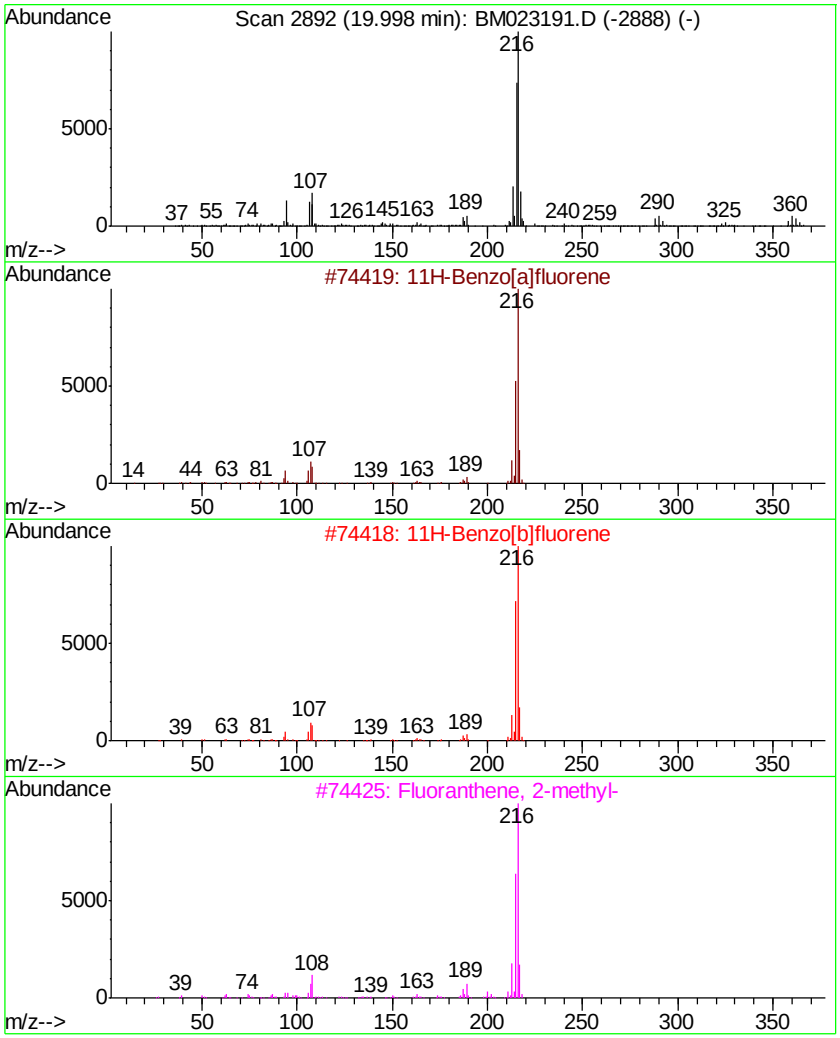
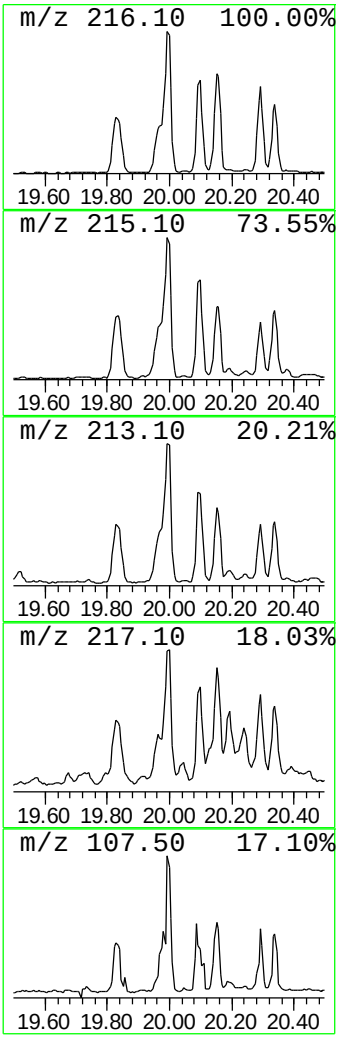
Peak Number 14 11H-Benzo[a]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	3.88 ng/ul	2818710	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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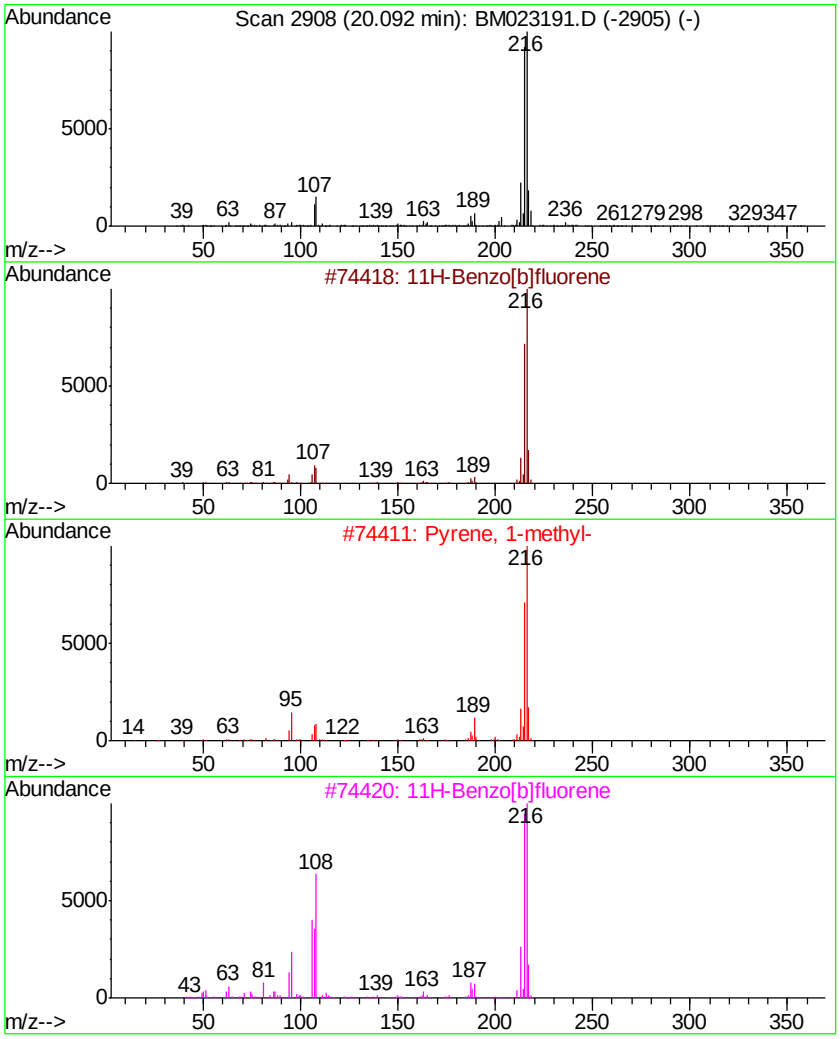
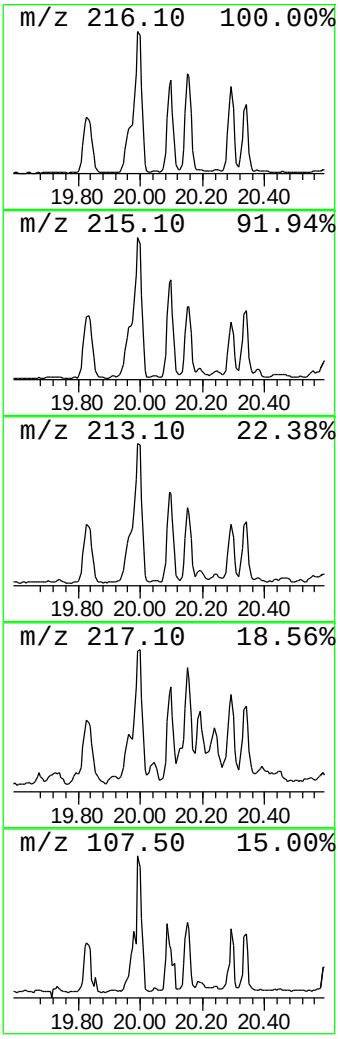
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.09	2.02 ng/ul	1465270	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





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Quant Title : SVOA CALIBRATION

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

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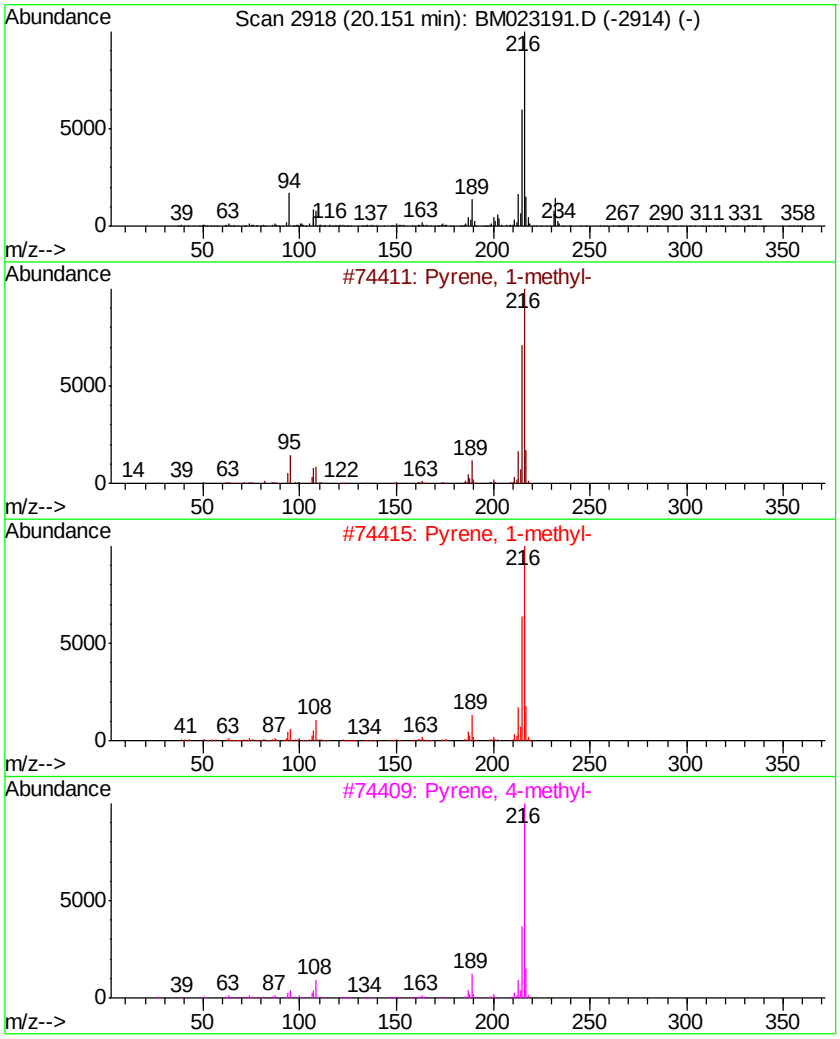
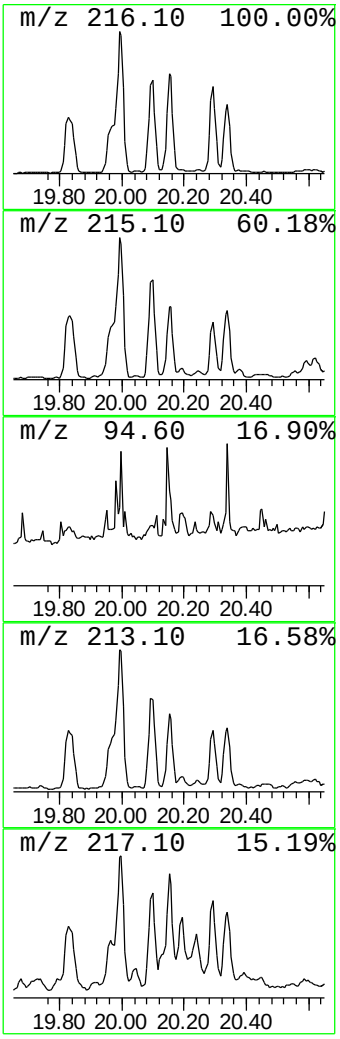
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.15	2.40 ng/ul	1741810	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	94
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90





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Acq On : 16 Oct 2019 13:09
Operator : JU
Sample : K5199-09
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEP76

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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

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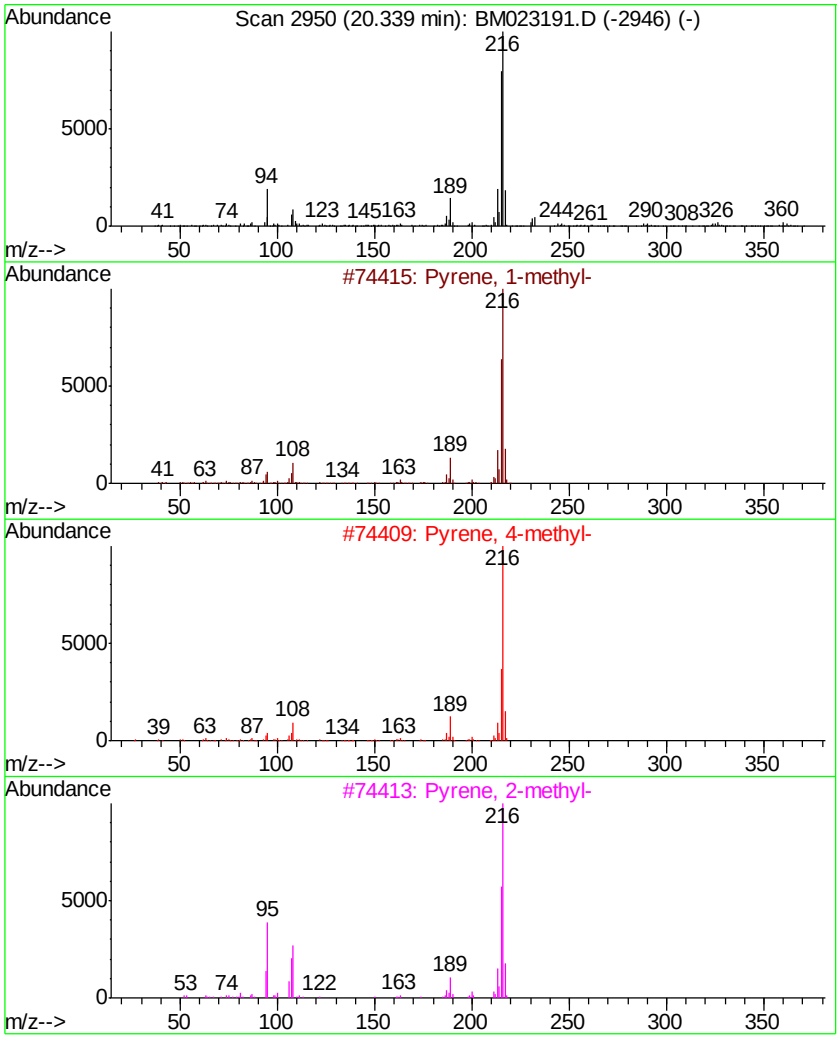
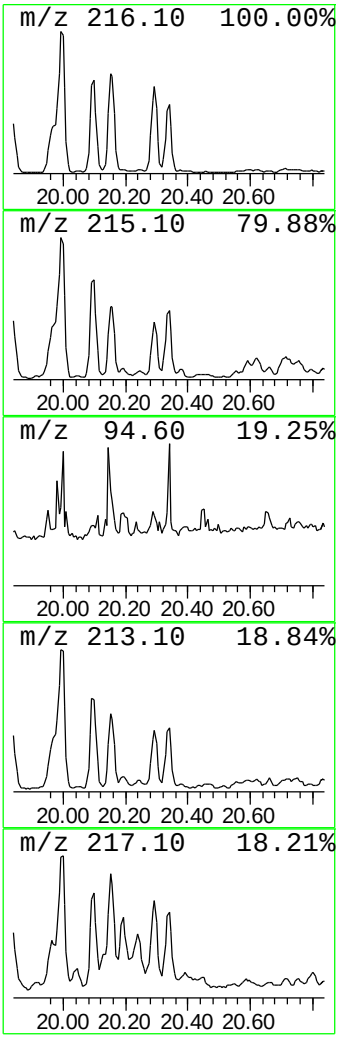
Peak Number 17 Pyrene, 4-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.34	2.01 ng/ul	1456360	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93





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Sample : K5199-09
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEP76

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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

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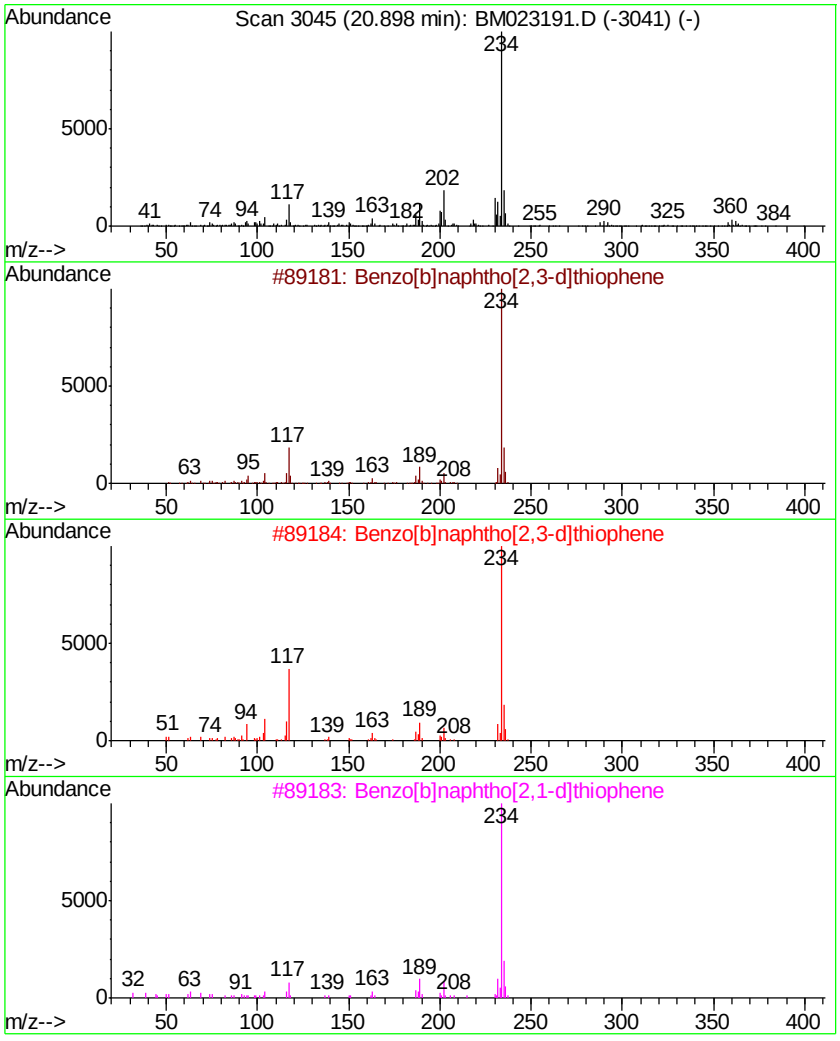
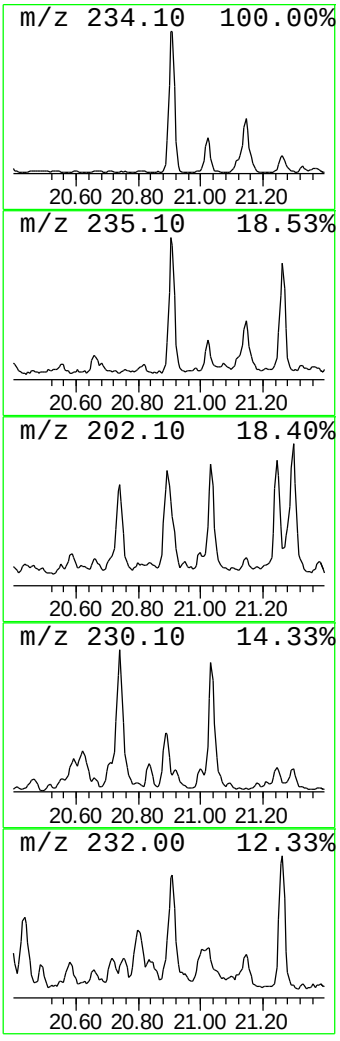
Peak Number 18 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.90	2.80 ng/ul	2030470	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91





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Acq On : 16 Oct 2019 13:09
Operator : JU
Sample : K5199-09
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEP76

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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

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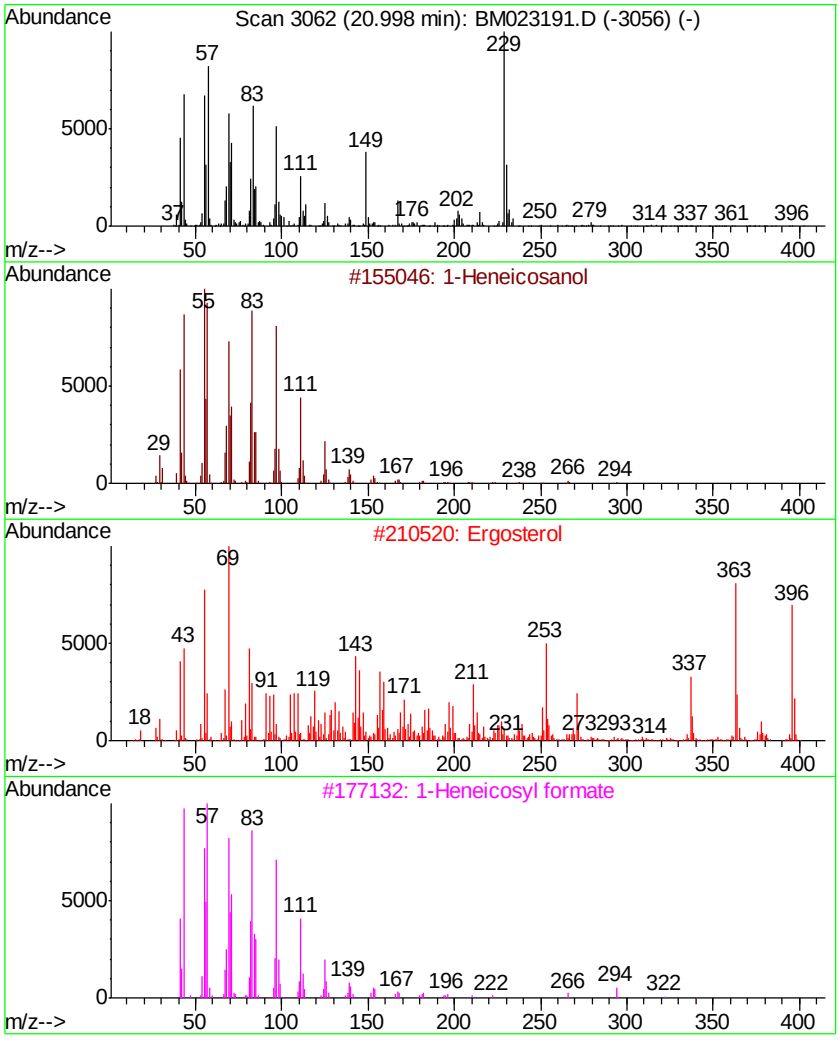
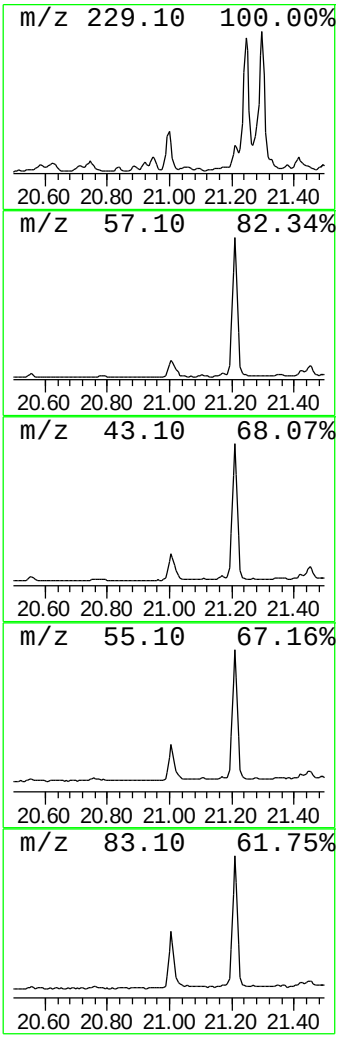
Peak Number 19 1-Heneicosanol Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.00	4.93 ng/ul	3580940	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	93
2	Ergosterol	396	C28H44O	000057-87-4	90
3	1-Heneicosyl formate	340	C22H44O2	077899-03-7	90
4	n-Tetracosanol-1	354	C24H50O	000506-51-4	90
5	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	90





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Data File : BM023191.D
Acq On : 16 Oct 2019 13:09
Operator : JU
Sample : K5199-09
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEP76

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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

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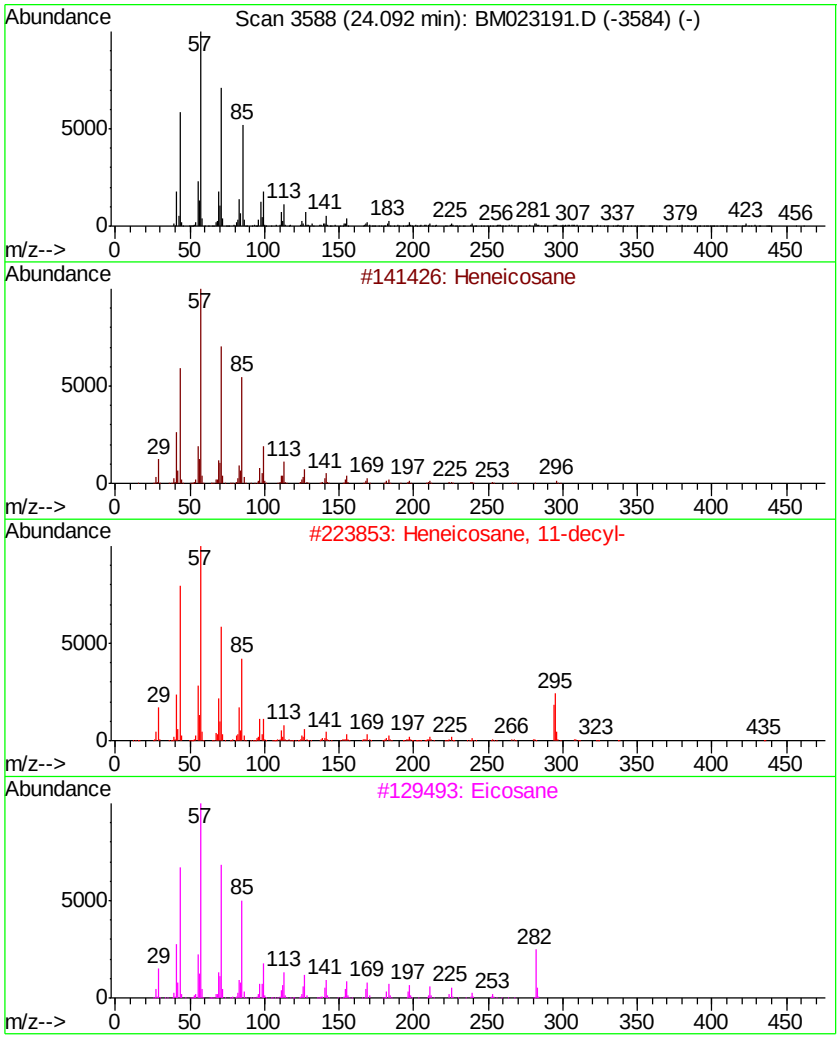
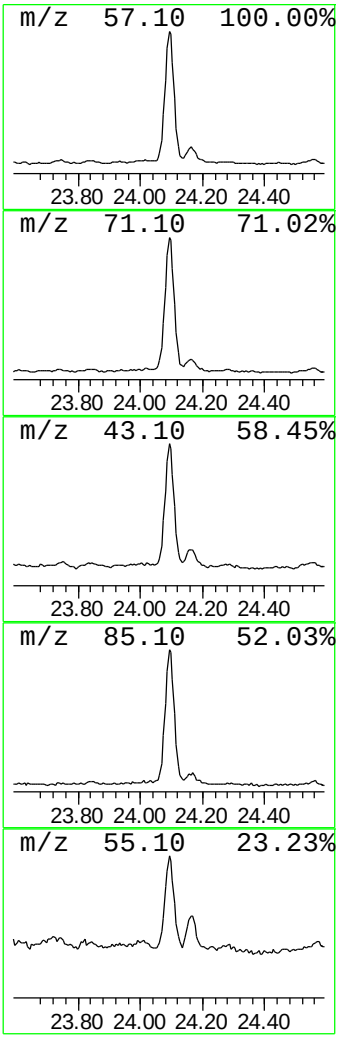
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.09	13.78 ng/ul	2328230	Perylene-d12	23.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	97
2	Heneicosane, 11-decyl-	437	C31H64	055320-06-4	94
3	Eicosane	282	C20H42	000112-95-8	93
4	Eicosane	282	C20H42	000112-95-8	93
5	Triacontane	422	C30H62	000638-68-6	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101519\
Data File : BM023191.D
Acq On : 16 Oct 2019 13:09
Operator : JU
Sample : K5199-09
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEP76

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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

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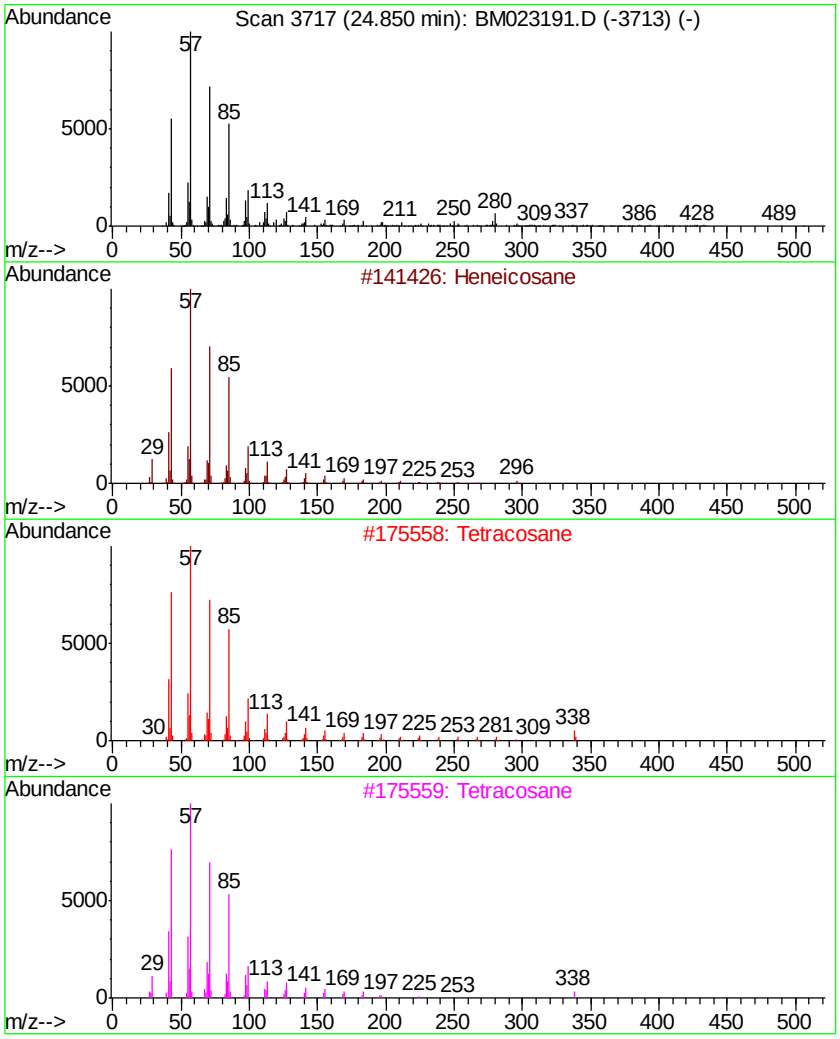
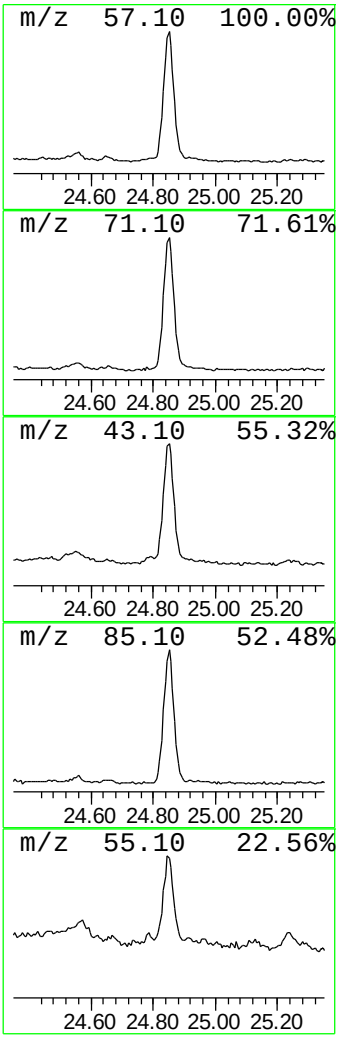
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.85	17.50 ng/ul	2957450	Perylene-d12	23.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	98
2	Tetracosane	338	C24H50	000646-31-1	97
3	Tetracosane	338	C24H50	000646-31-1	95
4	Hexatriacontane	507	C36H74	000630-06-8	93
5	Heneicosane	296	C21H44	000629-94-7	92





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM101519\
Data File : BM023191.D
Acq On : 16 Oct 2019 13:09
Operator : JU
Sample : K5199-09
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEP76

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Juglone	14.57	42.1	ng/ul	11678500	3	14.33	5542070	20.0
unknown-01	14.75	2.8	ng/ul	772696	3	14.33	5542070	20.0
1-Methyldibenzoth...	17.66	2.2	ng/ul	605712	4	17.07	5479570	20.0
Phenanthrene, 2-m...	17.95	5.1	ng/ul	1406900	4	17.07	5479570	20.0
Anthracene, 2-met...	18.00	10.2	ng/ul	2792490	4	17.07	5479570	20.0
4H-Cyclopenta[def...	18.15	14.2	ng/ul	3901510	4	17.07	5479570	20.0
Naphthalene, 2-ph...	18.45	3.9	ng/ul	1059710	4	17.07	5479570	20.0
9,10-Anthracenedione	18.49	4.9	ng/ul	1351820	4	17.07	5479570	20.0
Phenanthrene, 2,5...	18.87	6.0	ng/ul	1651480	4	17.07	5479570	20.0
unknown-02	18.93	5.3	ng/ul	1439410	4	17.07	5479570	20.0
2,2',4,5-Tetrachl...	18.97	2.8	ng/ul	770362	4	17.07	5479570	20.0
unknown-03	19.01	7.8	ng/ul	2145570	4	17.07	5479570	20.0
1,1'-Biphenyl, 2,...	19.73	2.1	ng/ul	1548360	5	21.26	14513600	20.0
11H-Benzo[a]fluorene	20.00	3.9	ng/ul	2818710	5	21.26	14513600	20.0
11H-Benzo[b]fluorene	20.09	2.0	ng/ul	1465270	5	21.26	14513600	20.0
Pyrene, 1-methyl-	20.15	2.4	ng/ul	1741810	5	21.26	14513600	20.0
Pyrene, 4-methyl-	20.34	2.0	ng/ul	1456360	5	21.26	14513600	20.0
Benzo[b]naphtho[2...	20.90	2.8	ng/ul	2030470	5	21.26	14513600	20.0
1-Heneicosanol	21.00	4.9	ng/ul	3580940	5	21.26	14513600	20.0
(DEL) Alkane: Str...	24.09	13.8	ng/ul	2328230	6	23.48	3379910	20.0
(DEL) Alkane: Str...	24.85	17.5	ng/ul	2957450	6	23.48	3379910	20.0