LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031620\
Data File : BM025577.D
Acq On : 16 Mar 2020 13:21
Operator : CG/JU
Sample : L1906-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AG2

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-BM031420MA.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	2.975	11	15	29	rVB	1919002	2324099	14.14%	1.209%
2	6.816	660	668	681	rBV	696009	1110204	6.76%	0.578%
3	6.981	689	696	707	rBV	530206	813882	4.95%	0.423%
4	7.175	722	729	740	rVB	728401	1110781	6.76%	0.578%
5	7.639	801	808	816	rVB	667451	1013548	6.17%	0.527%
6	8.339	920	927	936	rBV	889657	1361815	8.29%	0.708%
7	8.775	994	1001	1011	rBV	648303	1072867	6.53%	0.558%
8	9.492	1116	1123	1132	rBV	537716	865527	5.27%	0.450%
9	10.028	1208	1214	1226	rVB	902193	1485942	9.04%	0.773%
10	10.404	1271	1278	1284	rBV	930888	1501721	9.14%	0.781%
11	10.539	1293	1301	1315	rBV	700117	1200195	7.30%	0.624%
12	13.686	1831	1836	1840	rVV	1642215	2160061	13.14%	1.124%
13	13.733	1840	1844	1849	rVB	366392	500222	3.04%	0.260%
14	13.957	1876	1882	1898	rBV	1779054	2955468	17.98%	1.538%
15	14.268	1928	1935	1941	rVV	1392591	2056868	12.52%	1.070%
16	14.333	1941	1946	1954	rVV	417174	608993	3.71%	0.317%
17	14.468	1962	1969	1980	rBV	703233	1032447	6.28%	0.537%
18	14.668	1997	2003	2013	rVV2	203714	377578	2.30%	0.196%
19	15.268	2098	2105	2110	rVV	2274416	3340915	20.33%	1.738%
20	15.321	2110	2114	2119	rVV2	423732	612777	3.73%	0.319%
21	15.386	2119	2125	2132	rVV	601661	897182	5.46%	0.467%
22	15.615	2160	2164	2174	rVV	163971	263933	1.61%	0.137%
23	15.762	2182	2189	2198	rVV	157792	343955	2.09%	0.179%
24	16.327	2275	2285	2290	rBV3	107099	273196	1.66%	0.142%
25	16.668	2339	2343	2351	rVB	198642	326911	1.99%	0.170%
26	16.751	2351	2357	2363	rBV	116573	223266	1.36%	0.116%
27	16.833	2363	2371	2375	rBV	232291	348373	2.12%	0.181%
28	17.015	2396	2402	2405	rVV	1696592	2413067	14.68%	1.255%
29	17.057	2405	2409	2414	rVV	6188599	8294033	50.47%	4.315%
30	17.115	2414	2419	2422	rVV	2535916	3789292	23.06%	1.971%
31	17.145	2422	2424	2430	rVB	1557625	1843248	11.22%	0.959%
32	17.415	2459	2470	2474	rBV2	264038	506514	3.08%	0.264%
33	17.886	2544	2550	2554	rVV	628928	909040	5.53%	0.473%
34	17.939	2554	2559	2566	rVB	1077940	1513945	9.21%	0.788%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031620\
Data File : BM025577.D
Acq On : 16 Mar 2020 13:21
Operator : CG/JU
Sample : L1906-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AG2

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-BM031420MA.M
Title : SVOA CALIBRATION

35	18.015	2566	2572	2577	rBV	380041	540191	3.29%	0.281%
36	18.080	2577	2583	2587	rVV2	1090202	1902137	11.57%	0.990%
37	18.121	2587	2590	2597	rVB	460199	603351	3.67%	0.314%
38	18.392	2631	2636	2639	rVV	600496	821481	5.00%	0.427%
39	18.427	2639	2642	2648	rVB	431006	562531	3.42%	0.293%
40	18.645	2675	2679	2683	rVV	180051	247416	1.51%	0.129%
41	18.733	2690	2694	2698	rVB	161308	216197	1.32%	0.112%
42	18.815	2698	2708	2713	rBV	442403	817147	4.97%	0.425%
43	18.874	2713	2718	2722	rVV2	263999	483941	2.94%	0.252%
44	18.951	2727	2731	2740	rVB2	459534	738986	4.50%	0.384%
45	19.080	2744	2753	2759	rBV	12572265	16434916	100.00%	8.550%
46	19.221	2774	2777	2781	rVB2	198311	247433	1.51%	0.129%
47	19.280	2781	2787	2789	rBV3	148701	271320	1.65%	0.141%
48	19.315	2790	2793	2798	rVB	252270	348103	2.12%	0.181%
49	19.415	2804	2810	2811	rBV2	4720392	6470009	39.37%	3.366%
50	19.445	2811	2815	2822	rVV	9949409	13684596	83.27%	7.119%
51	19.509	2822	2826	2834	rVB2	363779	674442	4.10%	0.351%
52	19.621	2835	2845	2850	rBV	574783	904495	5.50%	0.471%
53	19.680	2850	2855	2861	rVB	405305	637484	3.88%	0.332%
54	19.774	2863	2871	2876	rBV2	560384	1416605	8.62%	0.737%
55	19.903	2888	2893	2895	rBV3	446460	676321	4.12%	0.352%
56	19.939	2895	2899	2904	rVB	1119838	1525667	9.28%	0.794%
57	20.039	2912	2916	2920	rBV	613070	752839	4.58%	0.392%
58	20.097	2920	2926	2930	rVV2	803899	1254988	7.64%	0.653%
59	20.180	2936	2940	2945	rBV2	179092	243955	1.48%	0.127%
60	20.233	2945	2949	2953	rBV	413720	510377	3.11%	0.266%
61	20.280	2953	2957	2962	rBV2	449024	630060	3.83%	0.328%
62	20.392	2974	2976	2982	rVB4	158376	235522	1.43%	0.123%
63	20.492	2990	2993	2996	rBV4	215976	302008	1.84%	0.157%
64	20.533	2996	3000	3003	rVB3	135018	227736	1.39%	0.118%
65	20.686	3022	3026	3033	rVB	813752	1159020	7.05%	0.603%
66	20.850	3047	3054	3057	rBV2	787489	1424698	8.67%	0.741%
67	20.892	3057	3061	3064	rVV	862204	1134941	6.91%	0.590%
68	20.939	3064	3069	3073	rVV3	1129869	2420326	14.73%	1.259%
69	20.980	3073	3076	3085	rVB	1064487	1515828	9.22%	0.789%
70	21.092	3092	3095	3102	rVB2	172148	240701	1.46%	0.125%
71	21.156	3102	3106	3107	rBV2	289138	331570	2.02%	0.172%

LSC Area Percent Report

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Acq On : 16 Mar 2020 13:21
Operator : CG/JU
Sample : L1906-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AG2

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-BM031420MA.M
Title : SVOA CALIBRATION

72	21.192	3107	3112	3117	rVV3	6829467	11454749	69.70%	5.959%
73	21.244	3117	3121	3131	rVB	5143979	7065161	42.99%	3.676%
74	21.356	3137	3140	3143	rBV	901176	1126188	6.85%	0.586%
75	21.462	3155	3158	3162	rVB2	448662	572356	3.48%	0.298%
76	21.509	3162	3166	3172	rBV2	674705	1090563	6.64%	0.567%
77	21.697	3194	3198	3200	rBV	241959	288738	1.76%	0.150%
78	21.750	3201	3207	3211	rVB	743679	1107856	6.74%	0.576%
79	21.797	3212	3215	3216	rBV2	432985	433475	2.64%	0.226%
80	21.891	3229	3231	3235	rVB2	250761	298689	1.82%	0.155%
81	21.939	3235	3239	3242	rVV	475733	711854	4.33%	0.370%
82	21.968	3242	3244	3250	rVB3	460577	601995	3.66%	0.313%
83	22.033	3251	3255	3264	rVB3	348269	707201	4.30%	0.368%
84	22.209	3281	3285	3287	rBV	169235	264047	1.61%	0.137%
85	22.268	3291	3295	3301	rVB2	611355	906591	5.52%	0.472%
86	22.391	3313	3316	3320	rVB2	413773	515352	3.14%	0.268%
87	22.497	3328	3334	3344	rVB2	383876	996935	6.07%	0.519%
88	22.744	3369	3376	3391	rBV	4856041	15140219	92.12%	7.877%
89	22.903	3398	3403	3410	rVB	915528	1468644	8.94%	0.764%
90	23.033	3420	3425	3433	rBV2	308554	902151	5.49%	0.469%
91	23.203	3448	3454	3458	rBV	2336395	4450225	27.08%	2.315%
92	23.250	3458	3462	3466	rVV	2447812	4514043	27.47%	2.348%
93	23.297	3466	3470	3477	rVB	4457852	7829020	47.64%	4.073%
94	23.386	3479	3485	3489	rVV	1598242	3035348	18.47%	1.579%
95	23.433	3489	3493	3501	rVB	1206515	2366426	14.40%	1.231%
96	23.938	3575	3579	3586	rVB	586369	1012898	6.16%	0.527%
97	24.021	3588	3593	3600	rVB4	243787	540133	3.29%	0.281%
98	25.556	3846	3854	3862	rVB2	2244858	5904526	35.93%	3.072%
99	25.797	3891	3895	3902	rVB	377084	799597	4.87%	0.416%
100	26.209	3956	3965	3981	rVB	1299590	4052708	24.66%	2.108%

Sum of corrected areas: 192218891

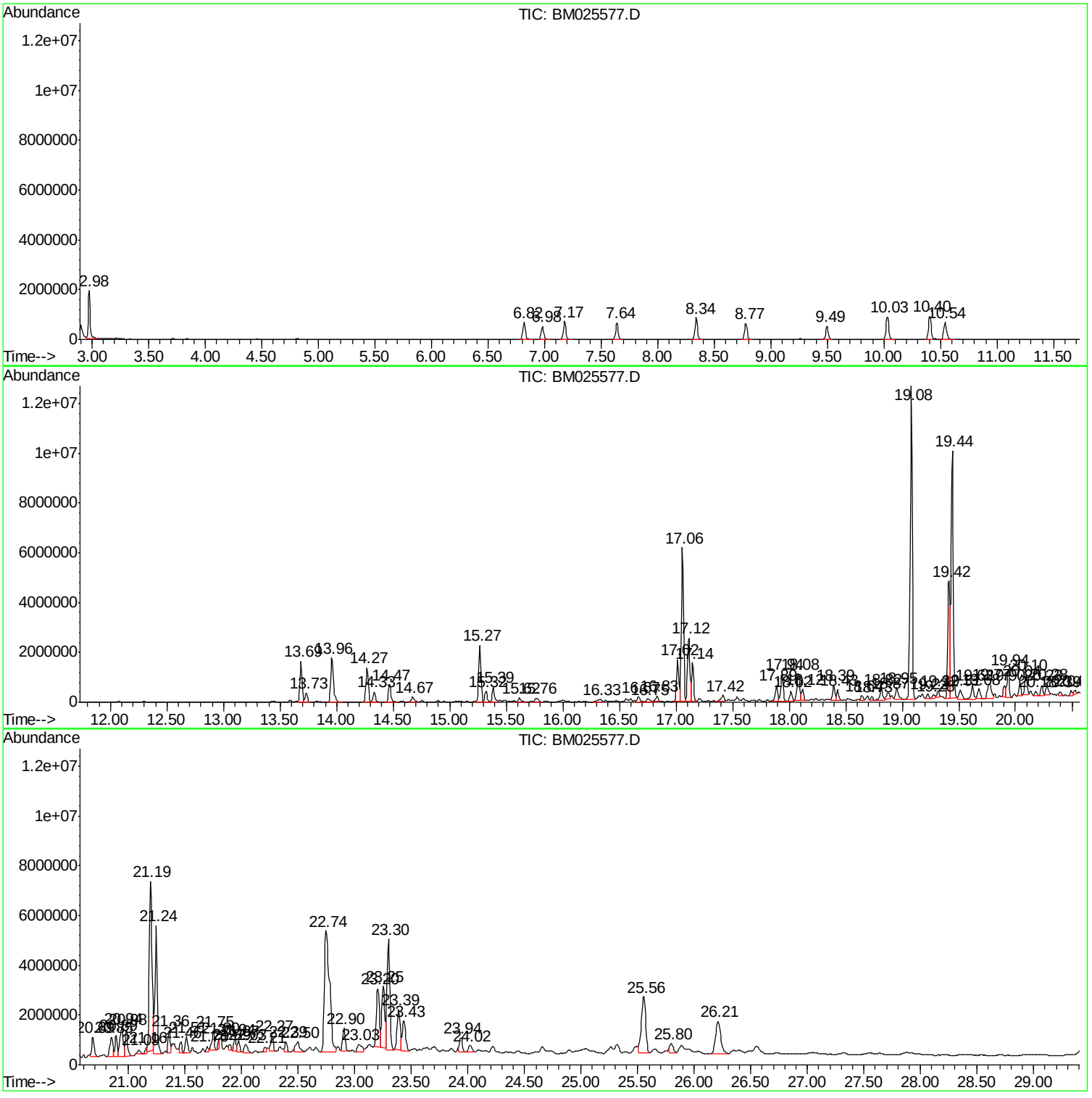
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031620\
Data File : BM025577.D
Acq On : 16 Mar 2020 13:21
Operator : CG/JU
Sample : L1906-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AG2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031620\
Data File : BM025577.D
Acq On : 16 Mar 2020 13:21
Operator : CG/JU
Sample : L1906-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AG2

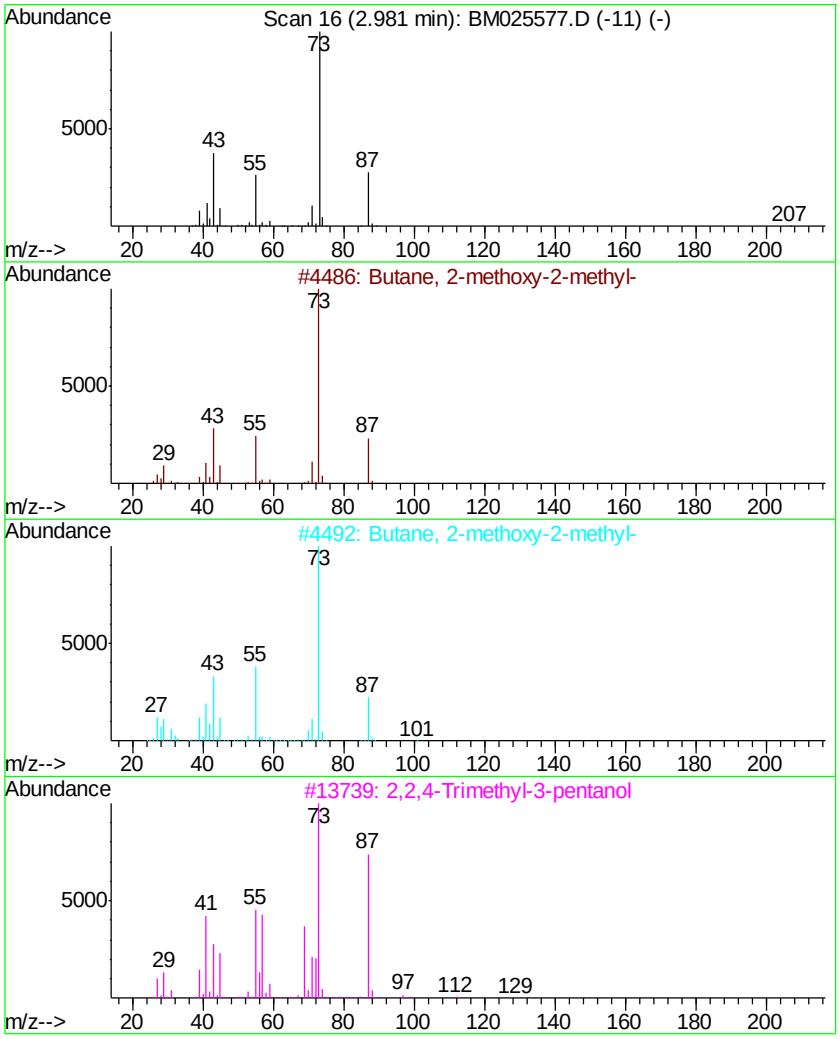
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.M
Quant Title : SVOA CALIBRATION

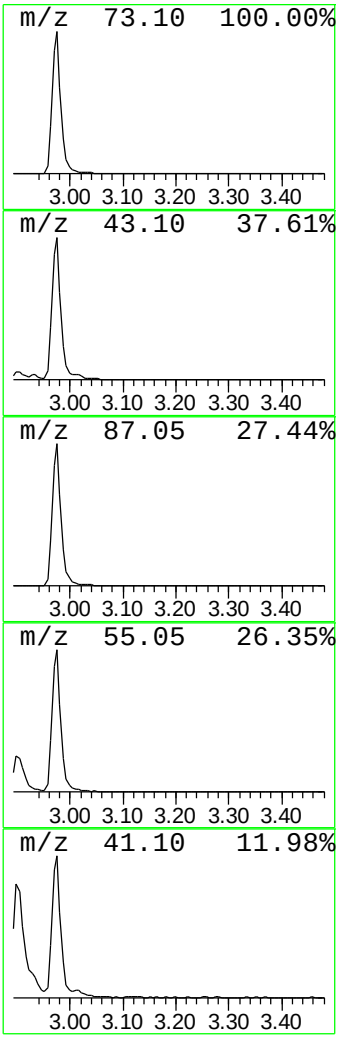
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.98	45.86 ng/ul	2324100	1,4-Dichlorobenzene-d4	7.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	74
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	12





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031620\
Data File : BM025577.D
Acq On : 16 Mar 2020 13:21
Operator : CG/JU
Sample : L1906-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AG2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.M
Quant Title : SVOA CALIBRATION

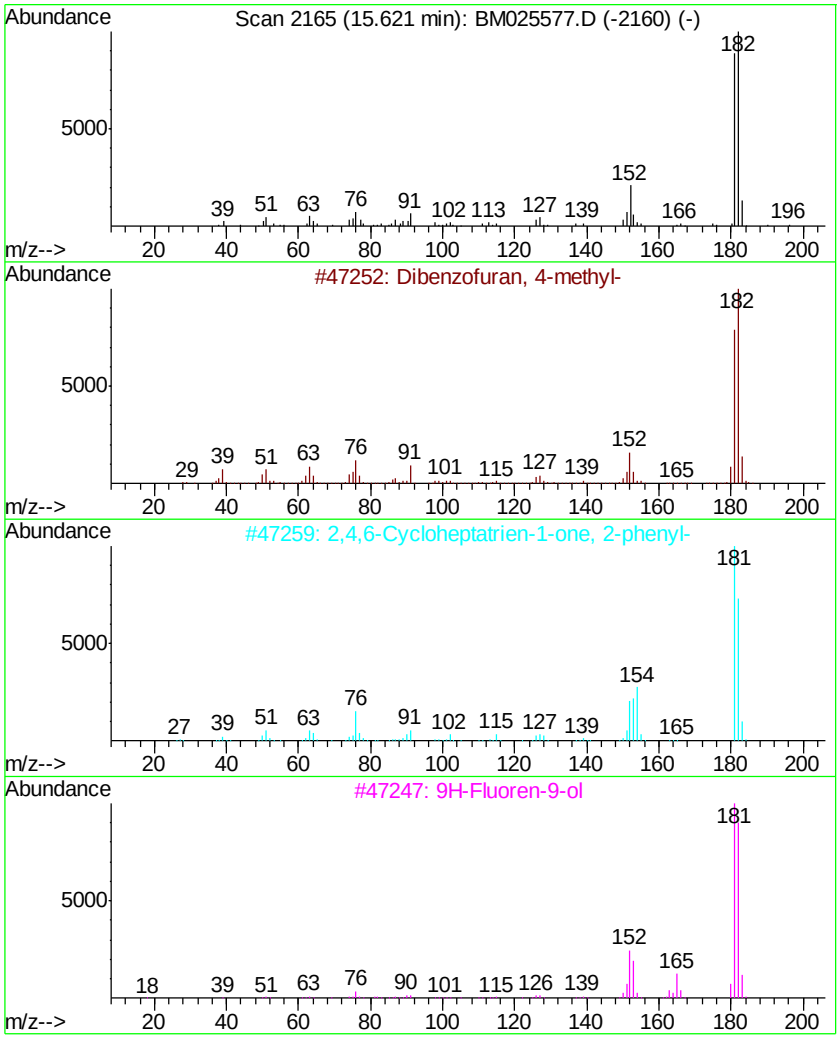
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

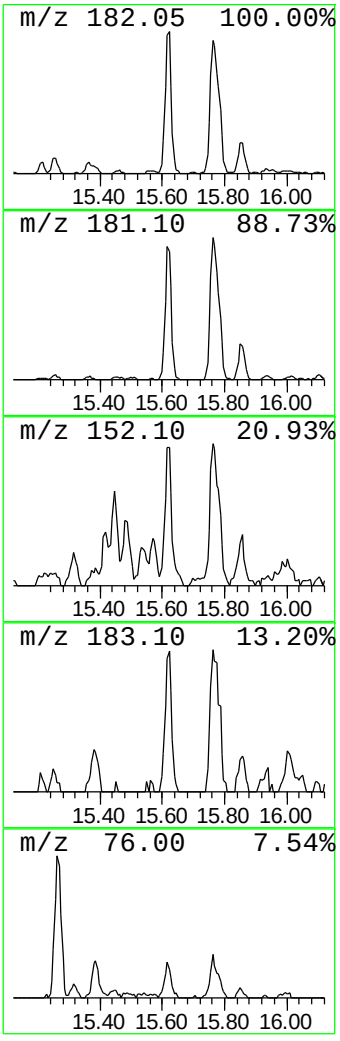
****

Peak Number 2 Dibenzofuran, 4-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	2.57 ng/ul	263933	Acenaphthene-d10	14.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	94
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	86
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031620\
Data File : BM025577.D
Acq On : 16 Mar 2020 13:21
Operator : CG/JU
Sample : L1906-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AG2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.M
Quant Title : SVOA CALIBRATION

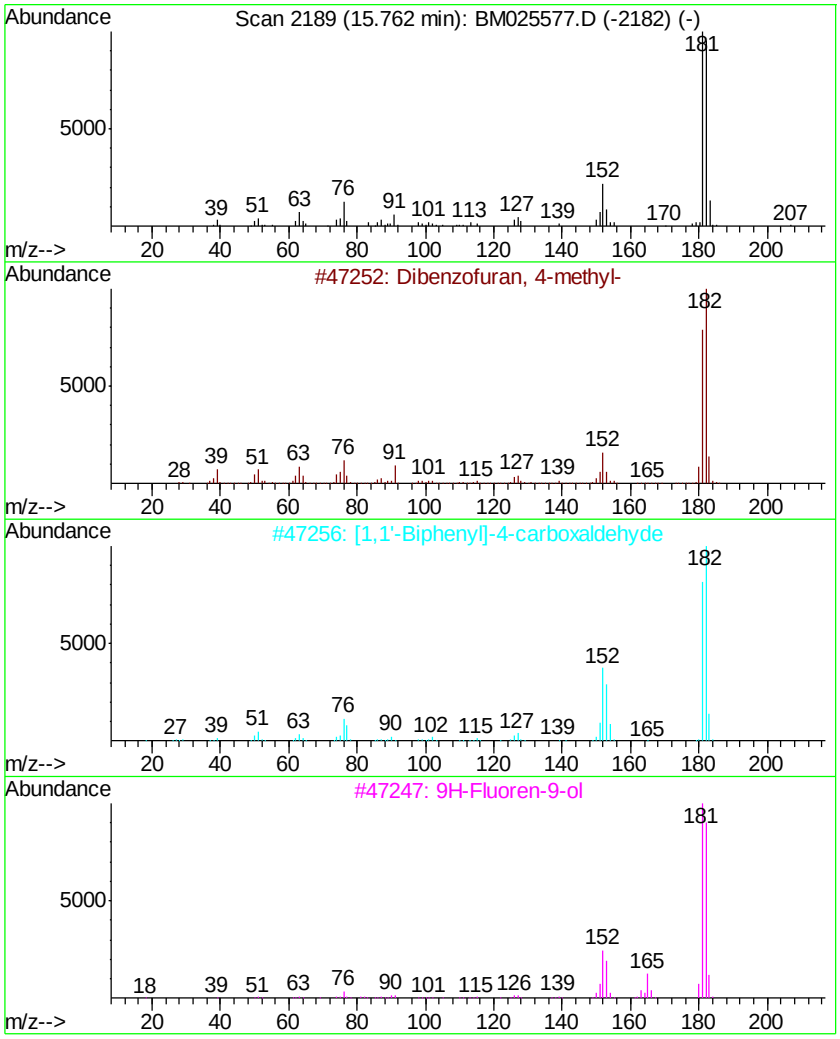
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

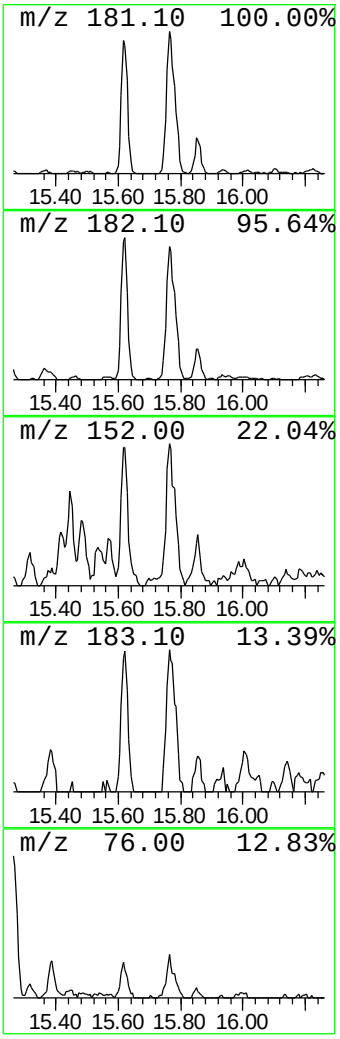
****

Peak Number 3 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.76	2.85 ng/ul	343955	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	86
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031620\
Data File : BM025577.D
Acq On : 16 Mar 2020 13:21
Operator : CG/JU
Sample : L1906-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AG2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.M
Quant Title : SVOA CALIBRATION

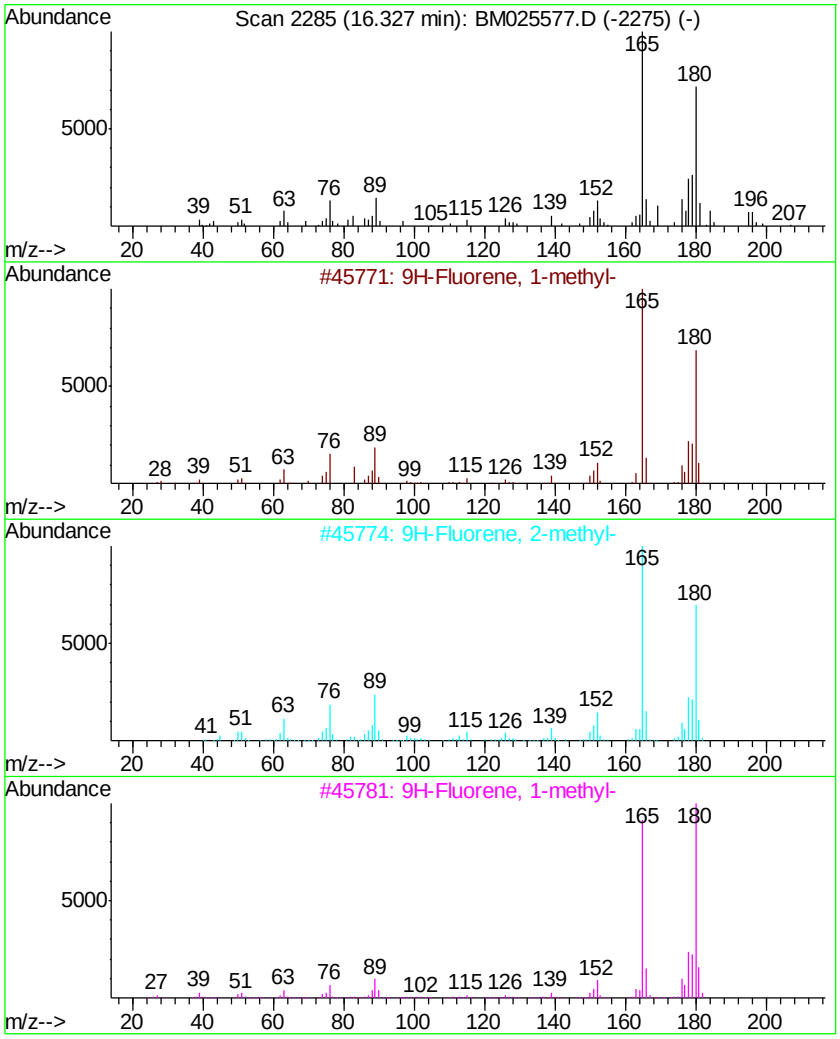
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

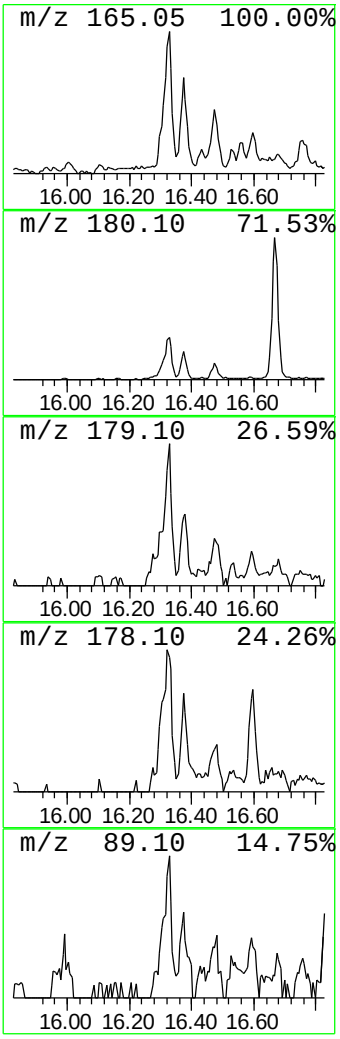
****

Peak Number 4 9H-Fluorene, 1-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.33	2.26 ng/ul	273196	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	94
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	86
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	86
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031620\
Data File : BM025577.D
Acq On : 16 Mar 2020 13:21
Operator : CG/JU
Sample : L1906-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AG2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.M
Quant Title : SVOA CALIBRATION

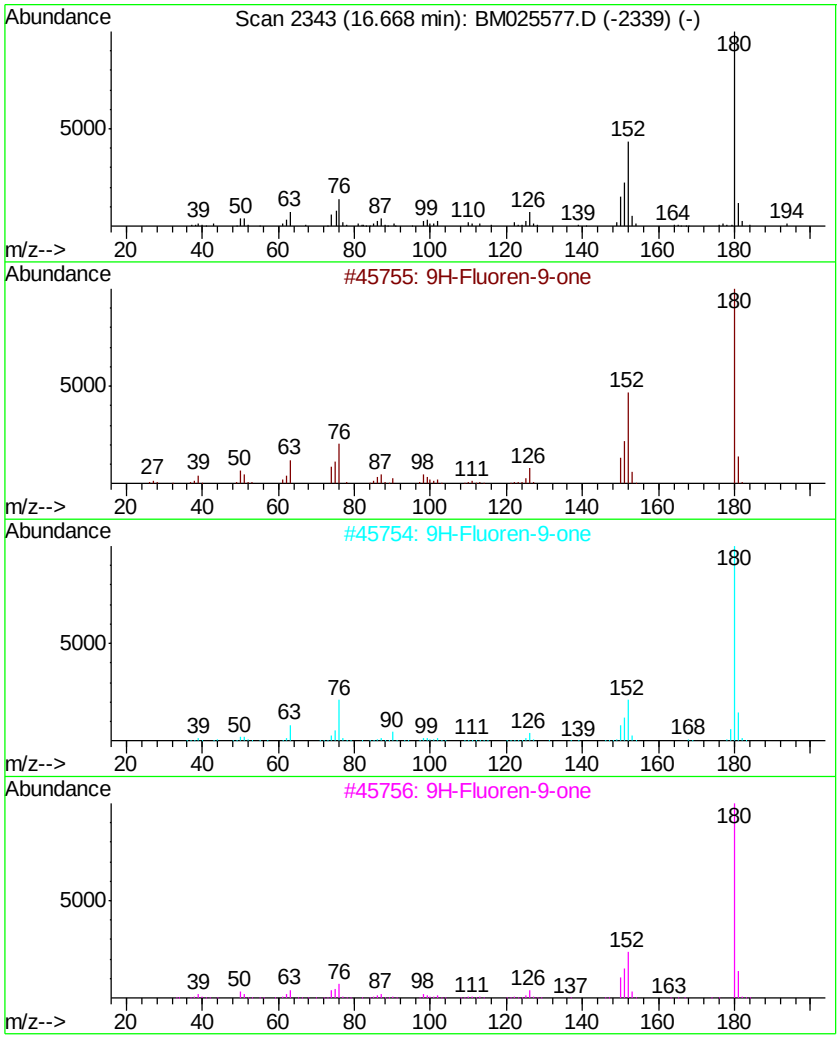
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

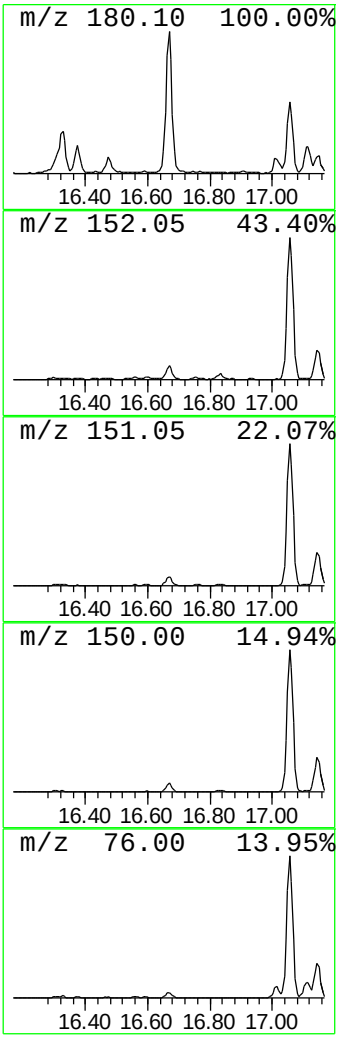
****

Peak Number 5 9H-Fluoren-9-one Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.67	2.71 ng/ul	326911	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
5	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	53





Library Search Compound Report

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Acq On : 16 Mar 2020 13:21
Operator : CG/JU
Sample : L1906-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AG2

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Quant Title : SVOA CALIBRATION

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

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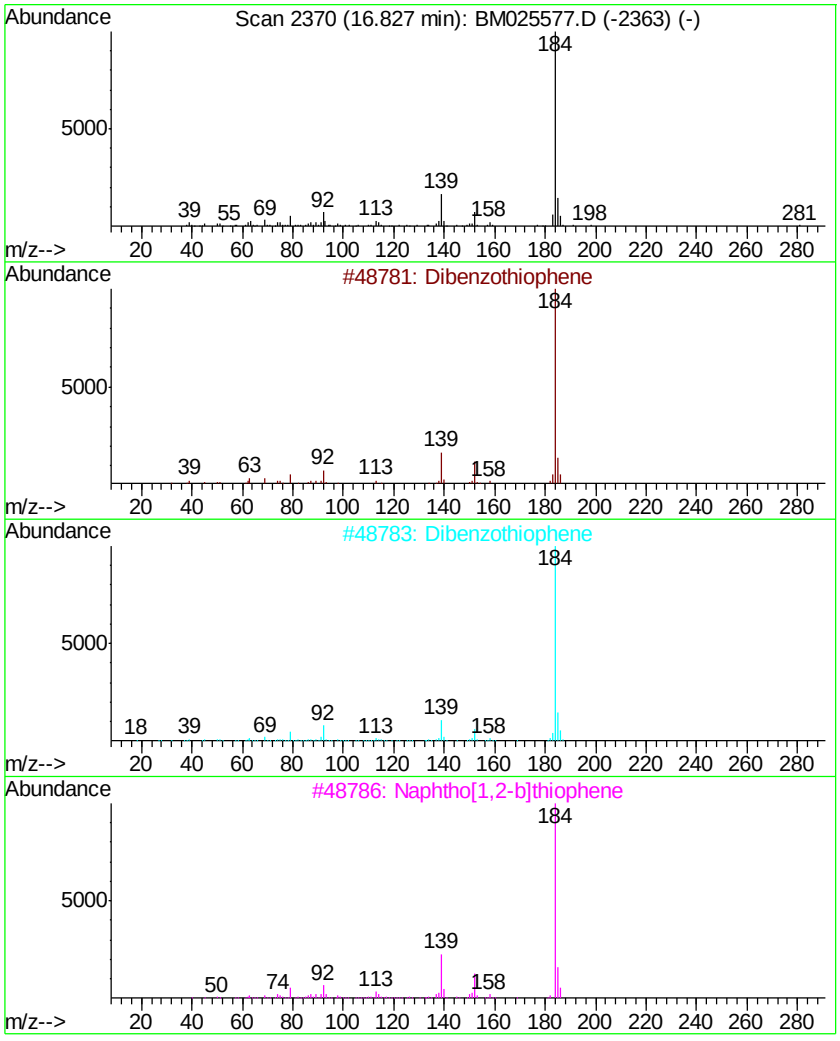
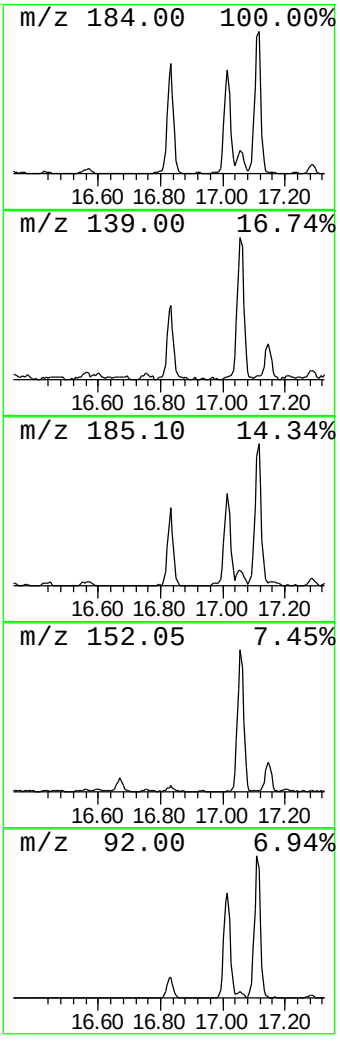
Peak Number 6 Dibenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.83	2.89 ng/ul	348373	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
5	Dibenzothiophene	184	C12H8S	000132-65-0	94





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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AG2

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Quant Title : SVOA CALIBRATION

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

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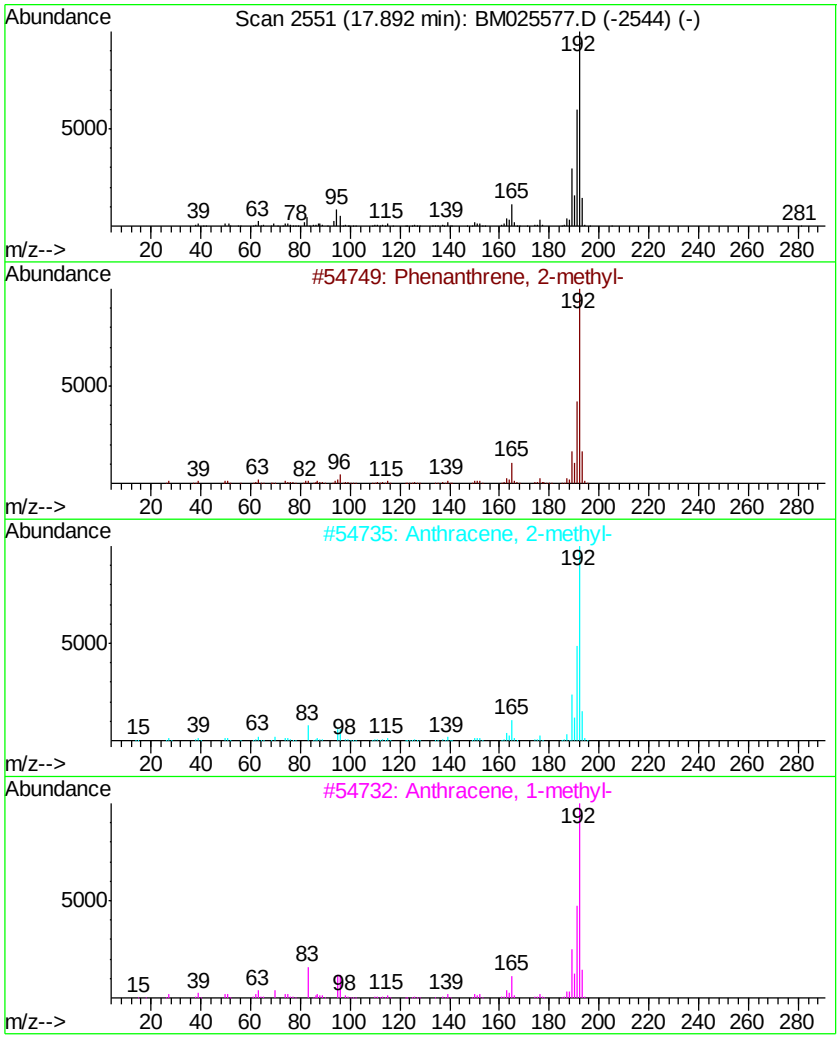
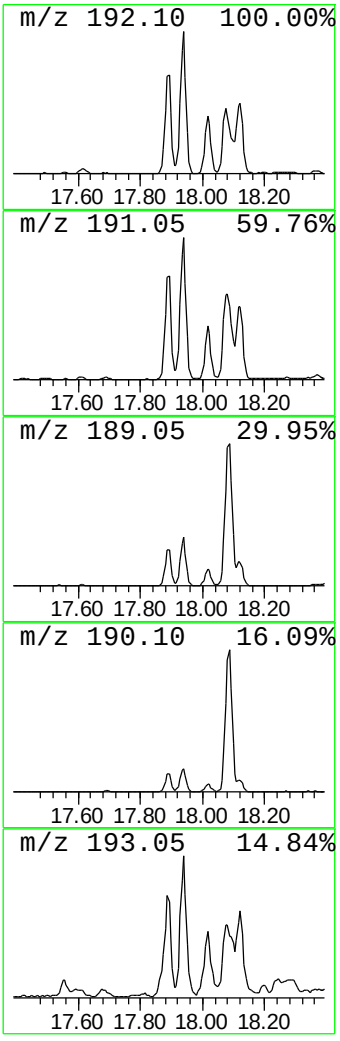
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	7.53 ng/ul	909040	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Sample : L1906-03
Misc :
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Instrument : BNA_M
ClientSampleId : B0AG2

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Quant Title : SVOA CALIBRATION

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

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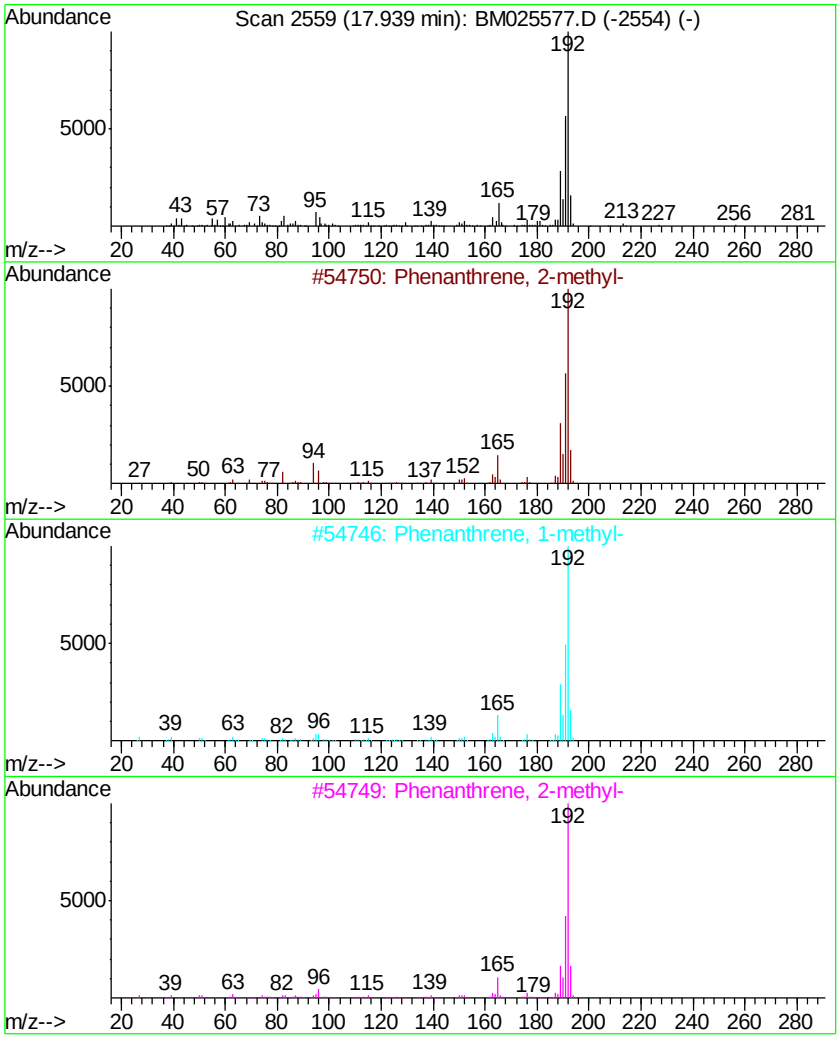
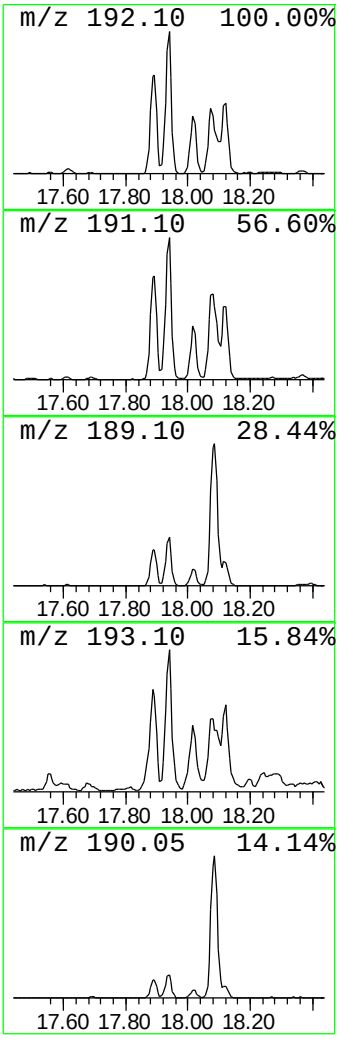
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	12.55 ng/ul	1513950	Phenanthrene-d10	17.02

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, 2-methyl-	192	C15H12	002531-84-2	97
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96





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Sample : L1906-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AG2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.M
Quant Title : SVOA CALIBRATION

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

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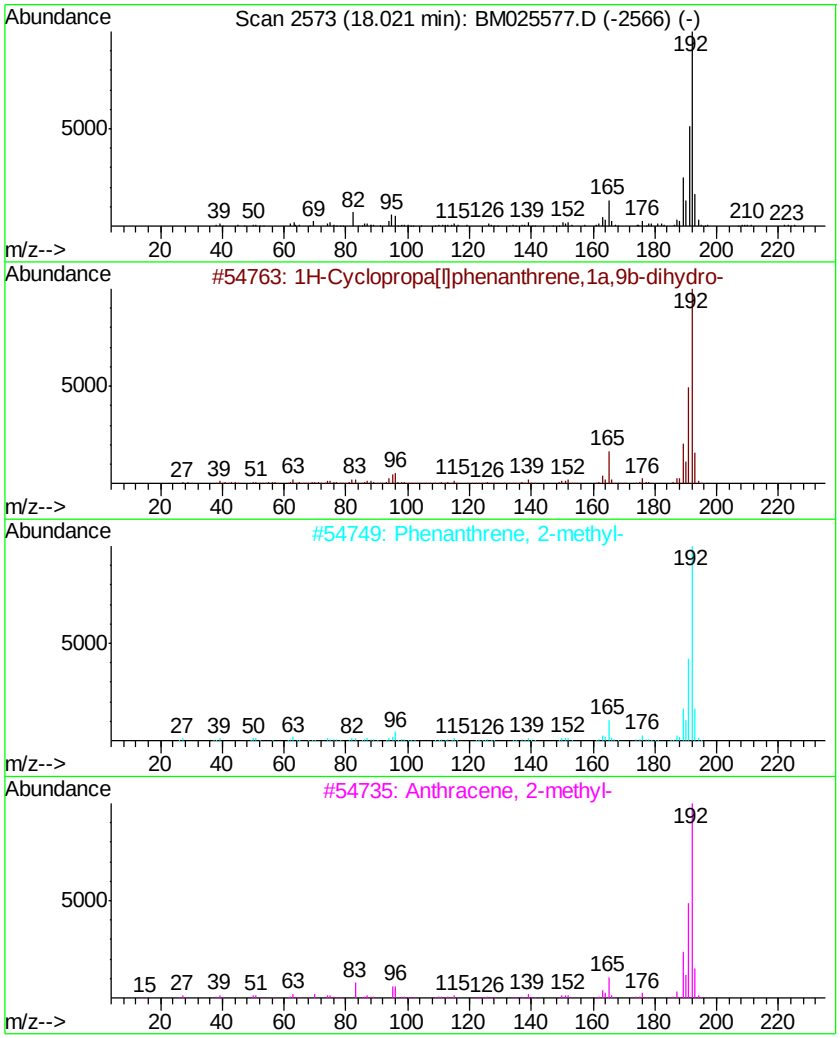
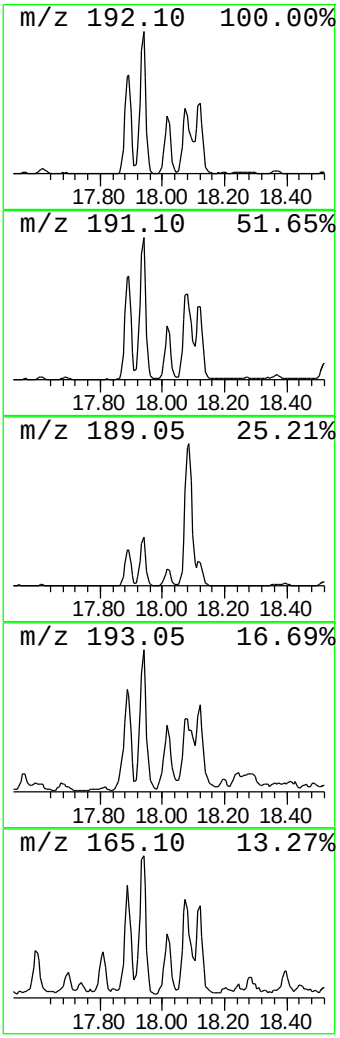
Peak Number 9 1H-Cyclopropa[l]phenanthren... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	4.48 ng/ul	540191	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AG2

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Quant Title : SVOA CALIBRATION

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

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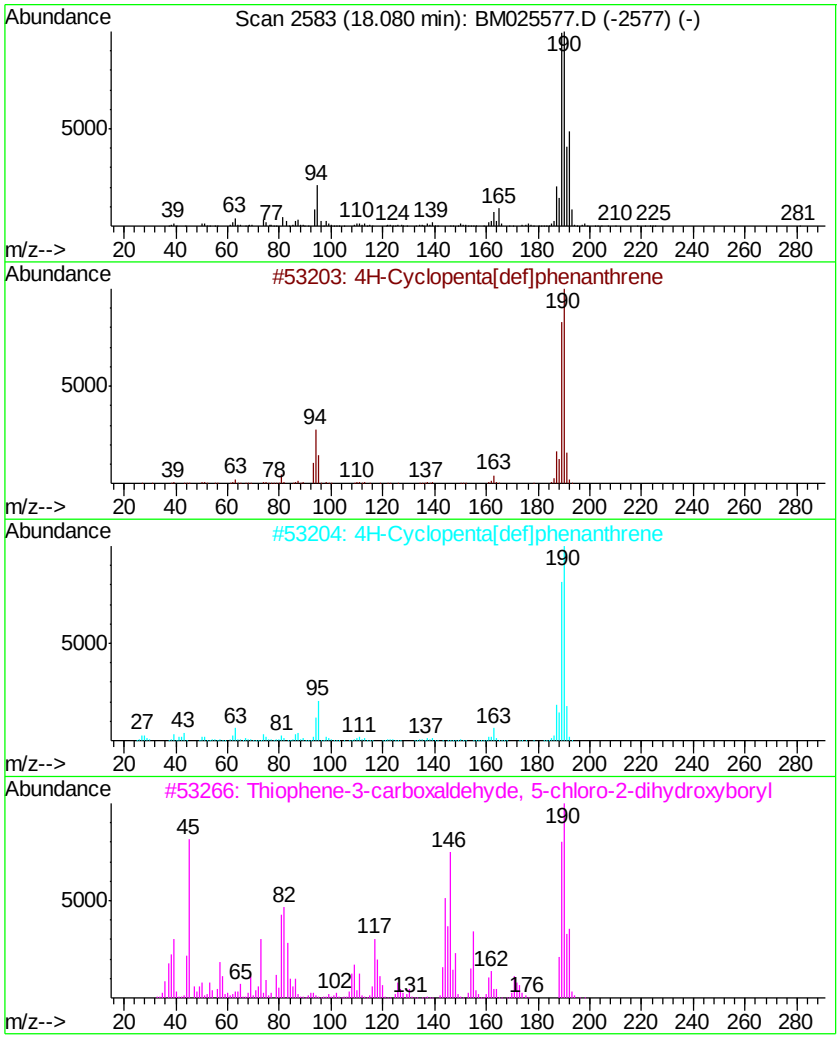
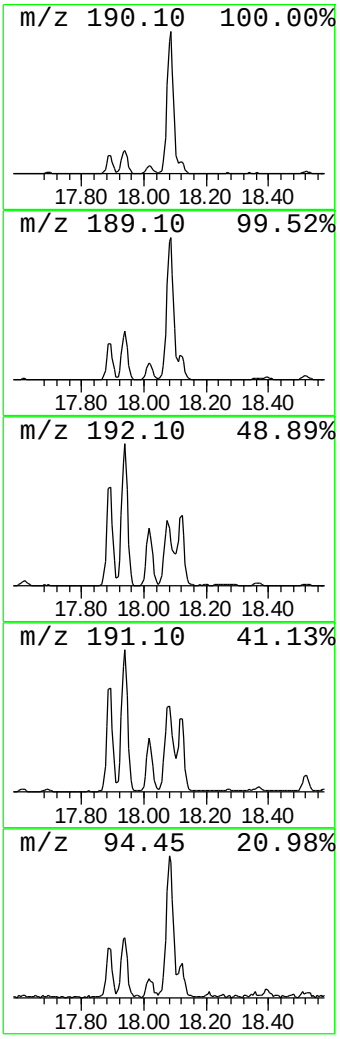
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	15.77 ng/ul	1902140	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42





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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AG2

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Quant Title : SVOA CALIBRATION

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

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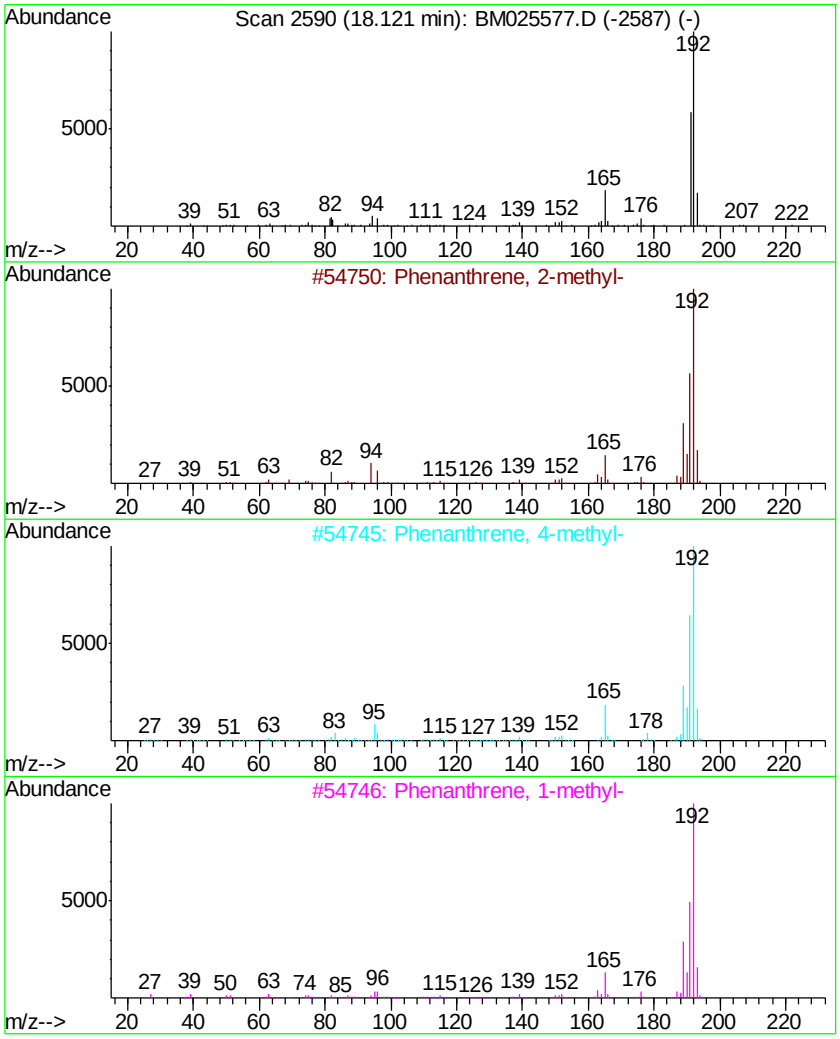
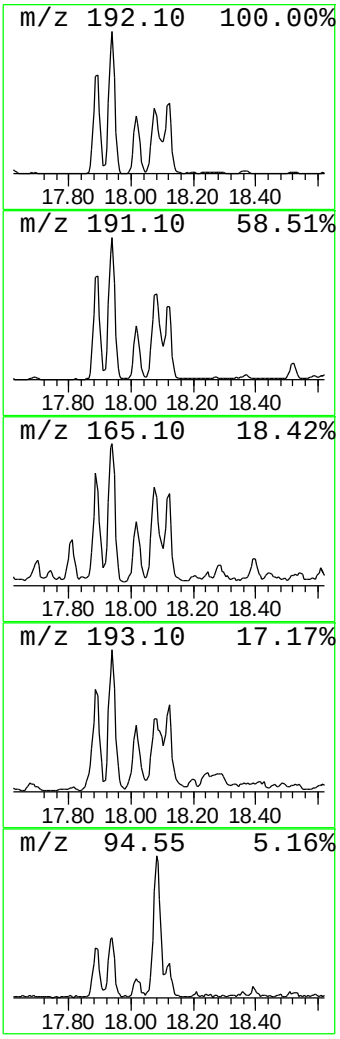
Peak Number 11 Phenanthrene, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	5.00 ng/ul	603351	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90





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Sample : L1906-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AG2

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Quant Title : SVOA CALIBRATION

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

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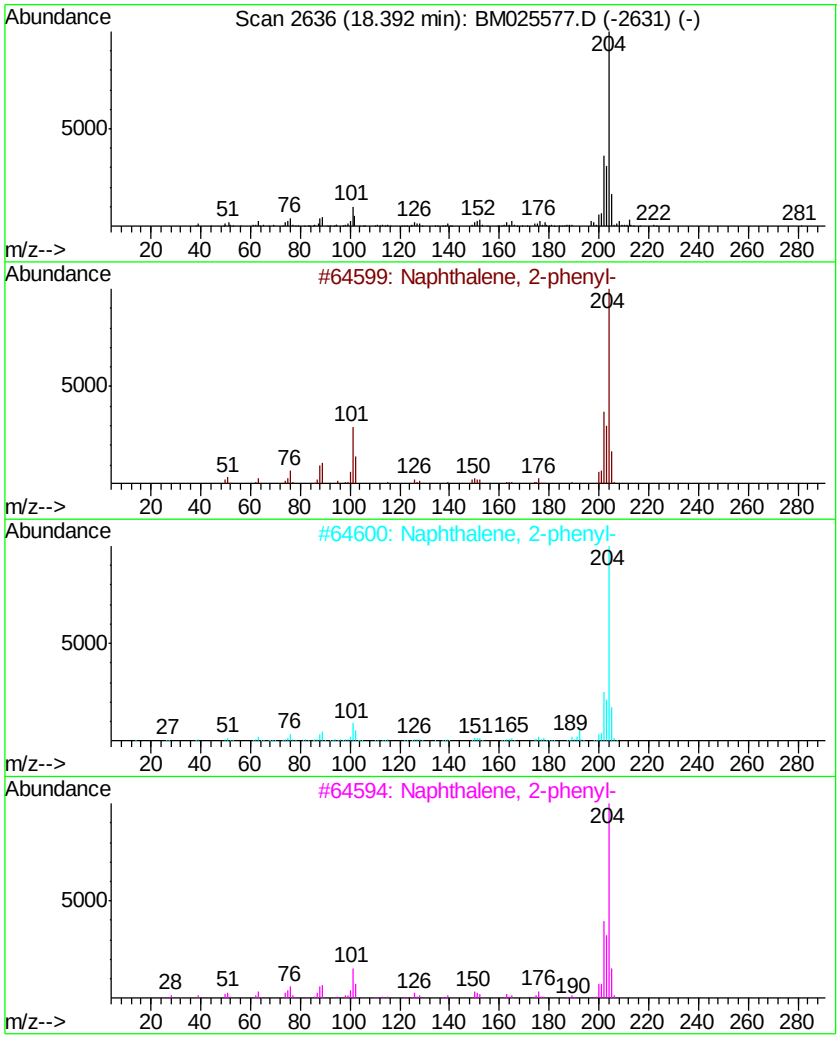
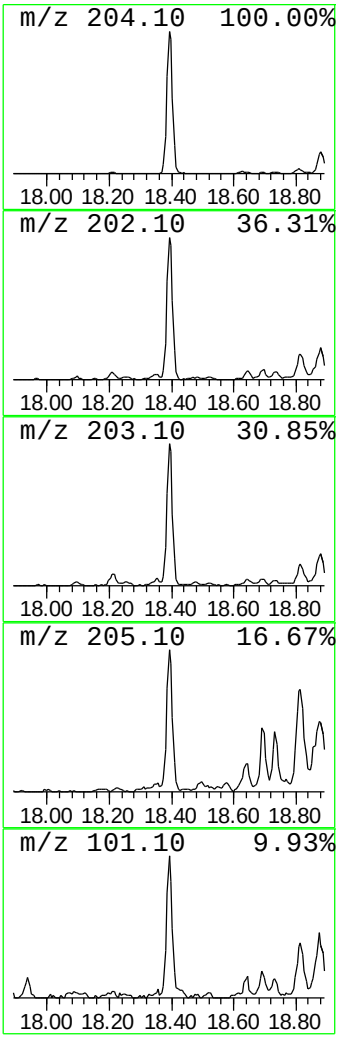
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	6.81 ng/ul	821481	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76





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Misc :
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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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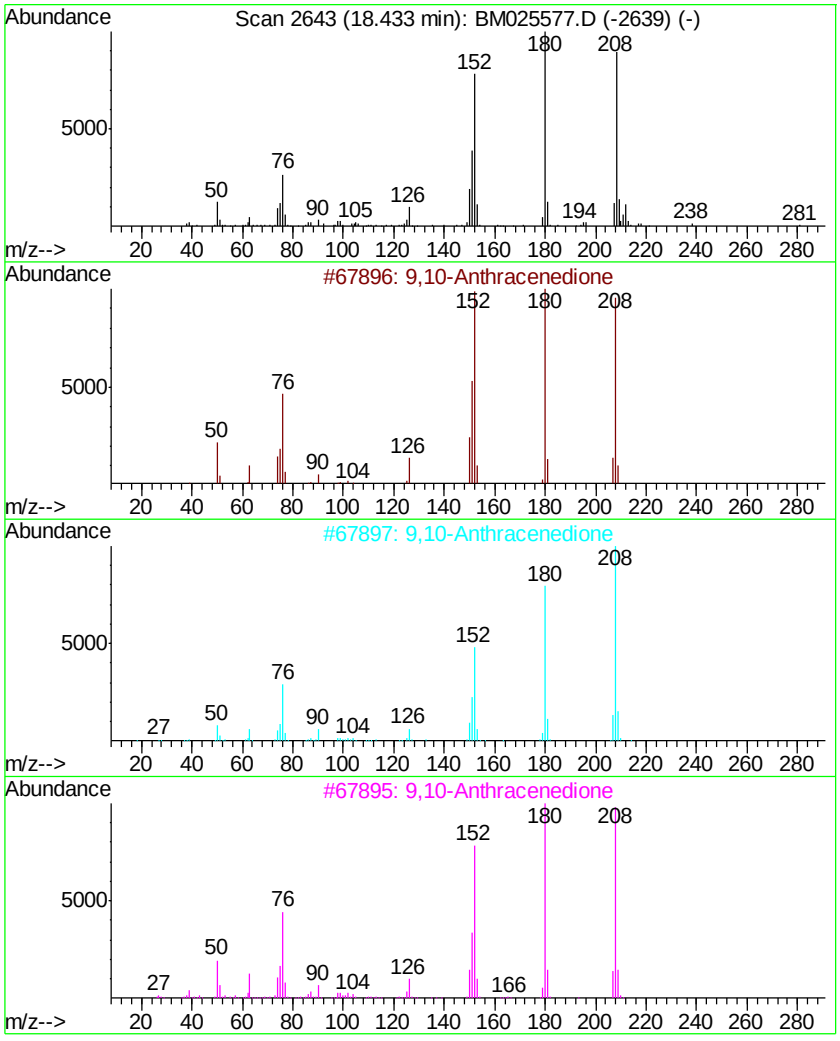
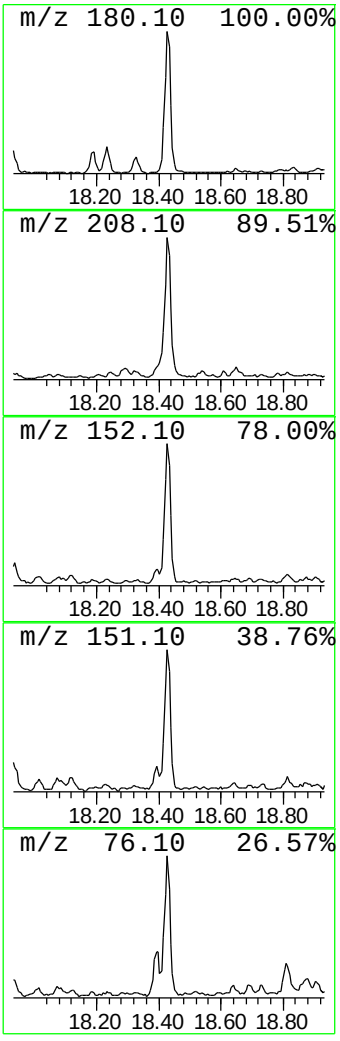
Peak Number 13 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	4.66 ng/ul	562531	Phenanthrene-d10	17.02

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	94
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64





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Quant Title : SVOA CALIBRATION

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

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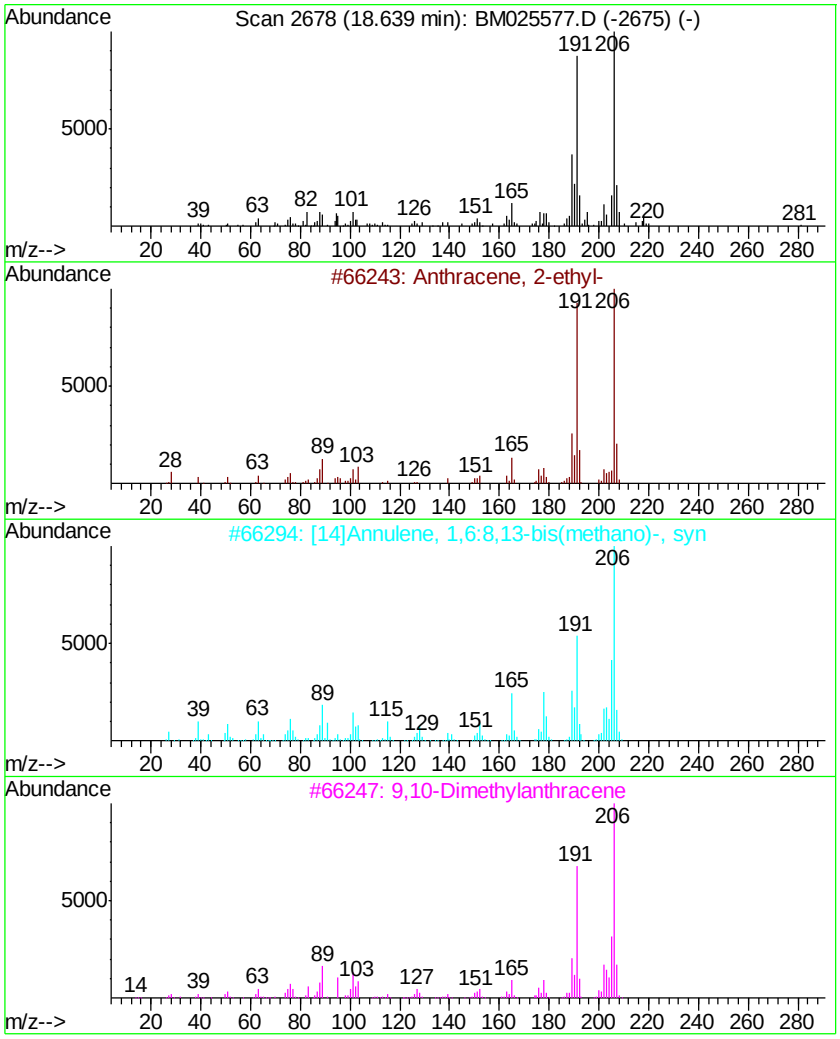
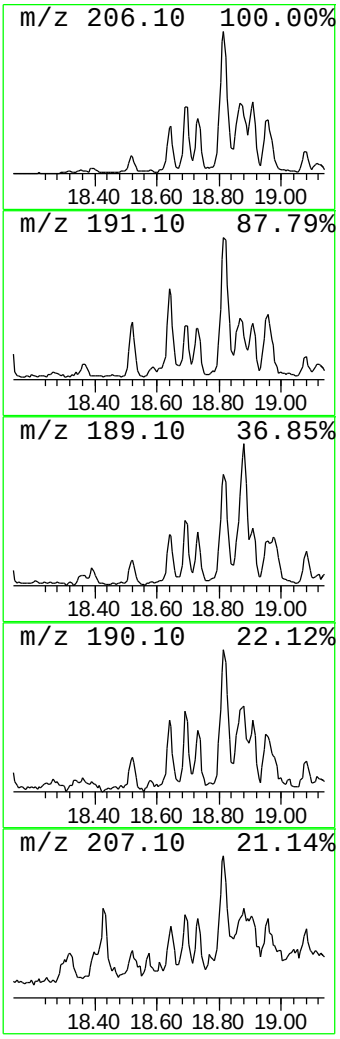
Peak Number 14 Anthracene, 2-ethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.64	2.05 ng/ul	247416	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	91
2	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	90
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	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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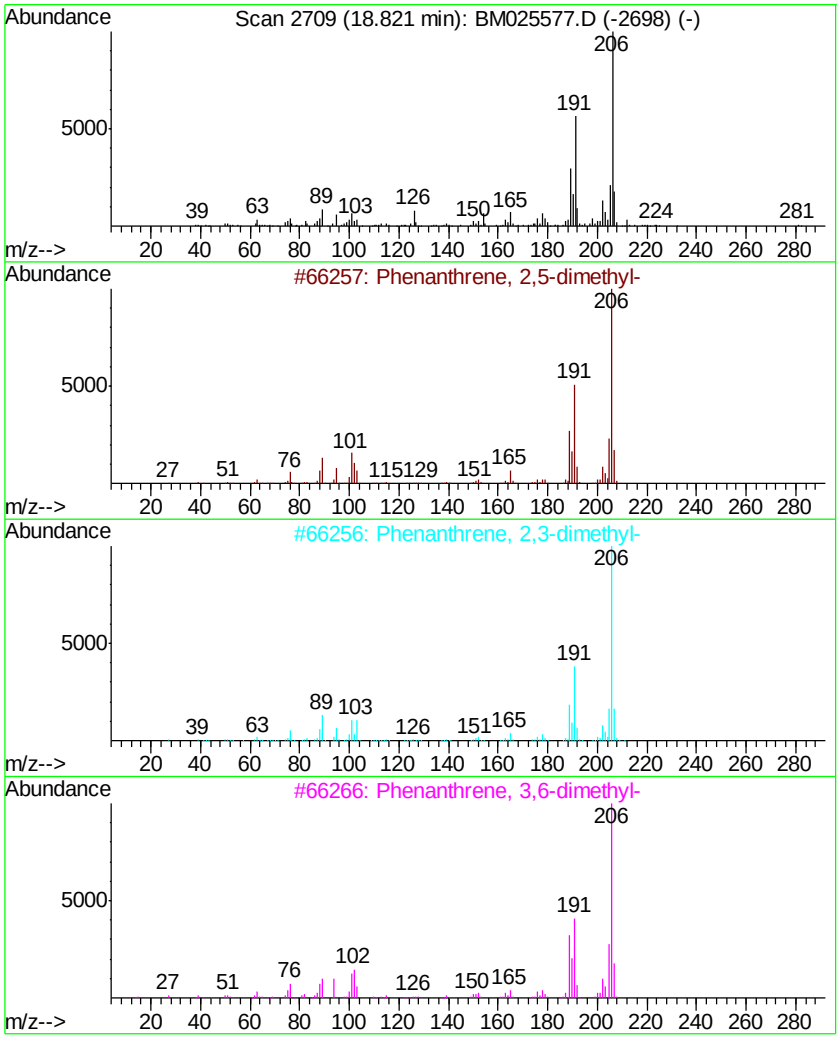
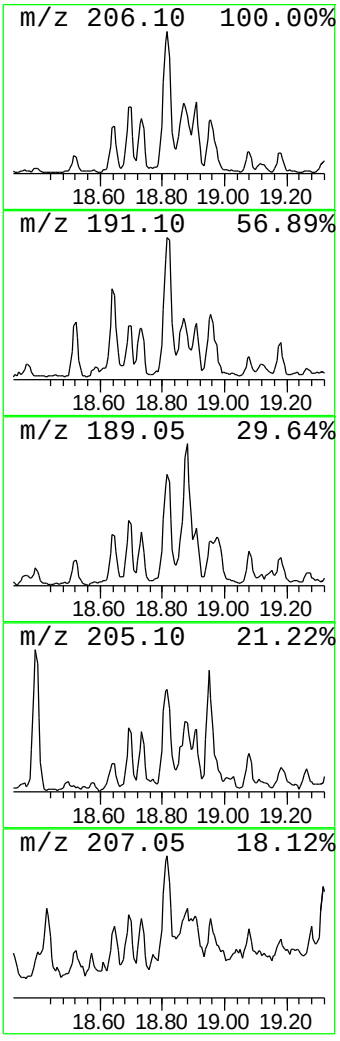
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	6.77 ng/ul	817147	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90





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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AG2

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Quant Title : SVOA CALIBRATION

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

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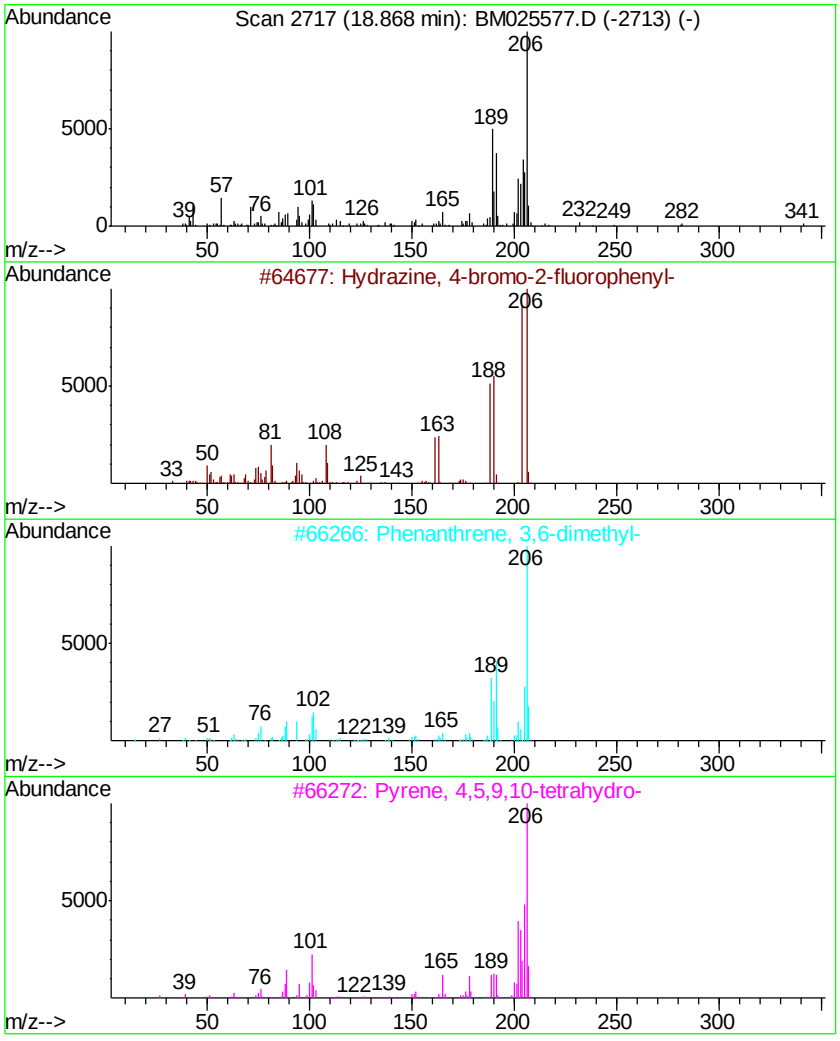
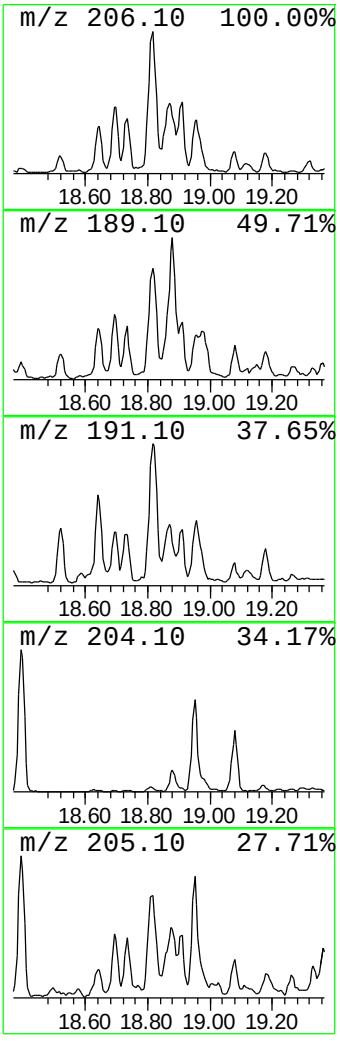
Peak Number 16 unknown-01 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	4.01 ng/ul	483941	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hydrazine, 4-bromo-2-fluorophenyl-	204	C6H6BrFN2	299440-17-8	43
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	43
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	35





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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AG2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.M
Quant Title : SVOA CALIBRATION

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

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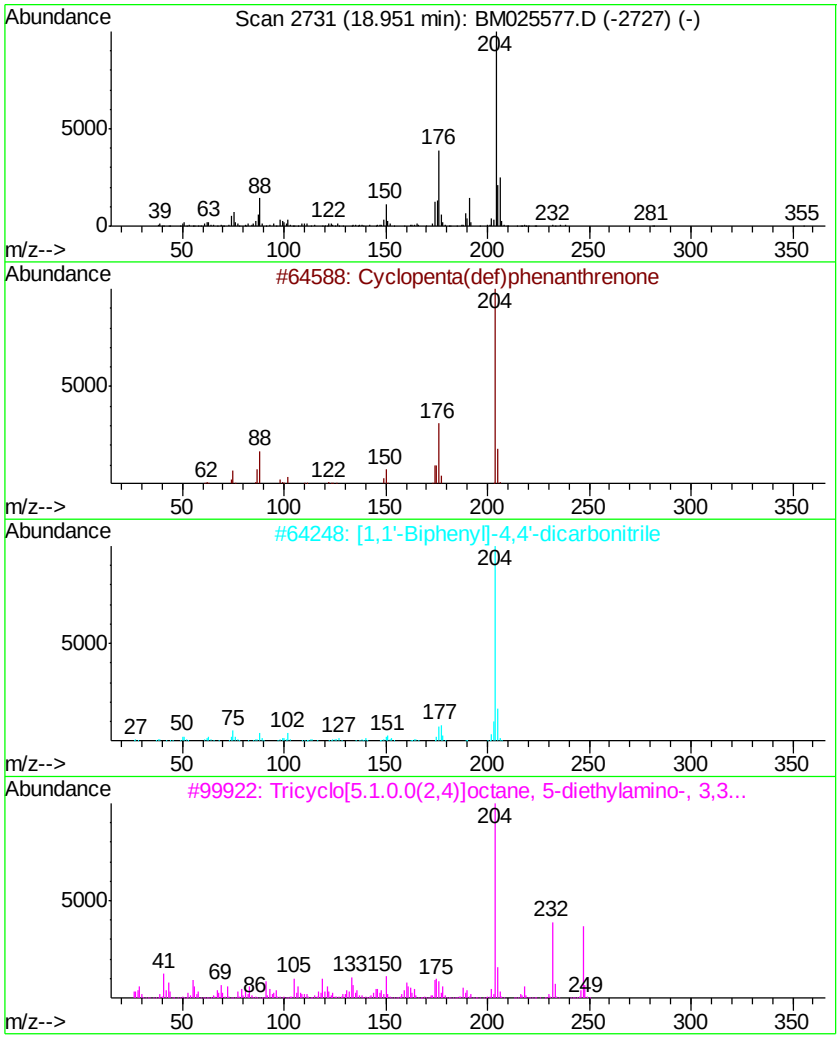
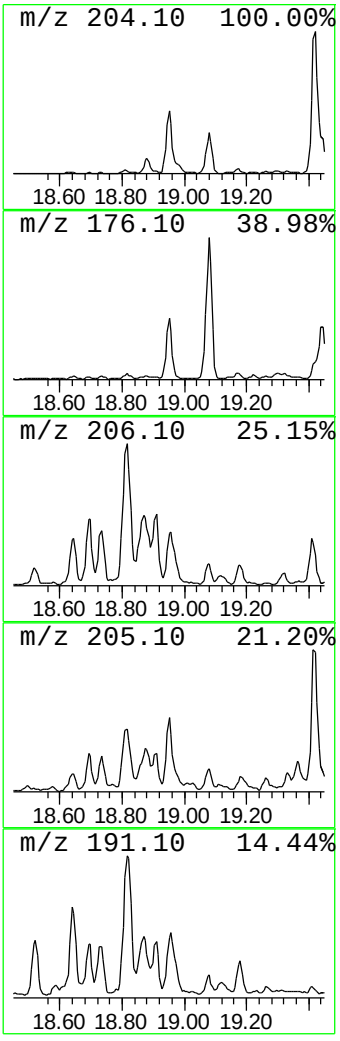
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.95	6.12 ng/ul	738986	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52
3	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	47
4	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	47
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43





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Sample : L1906-03
Misc :
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Instrument : BNA_M
ClientSampleId : B0AG2

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Quant Title : SVOA CALIBRATION

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

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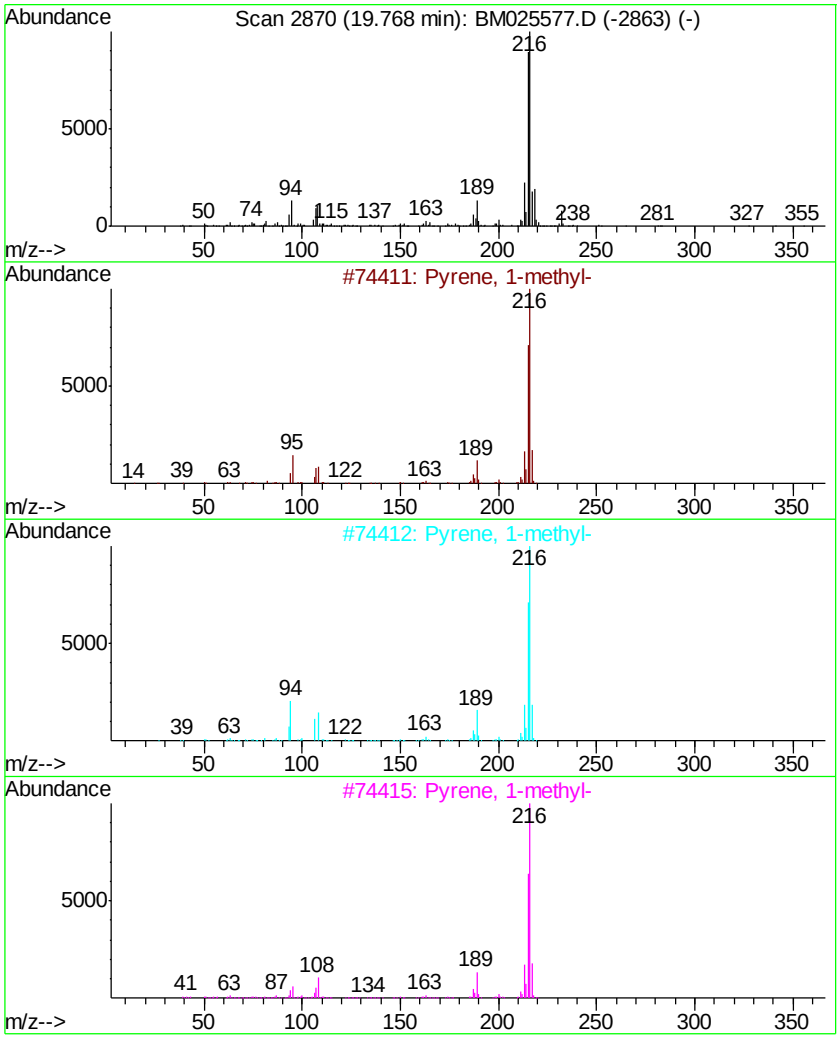
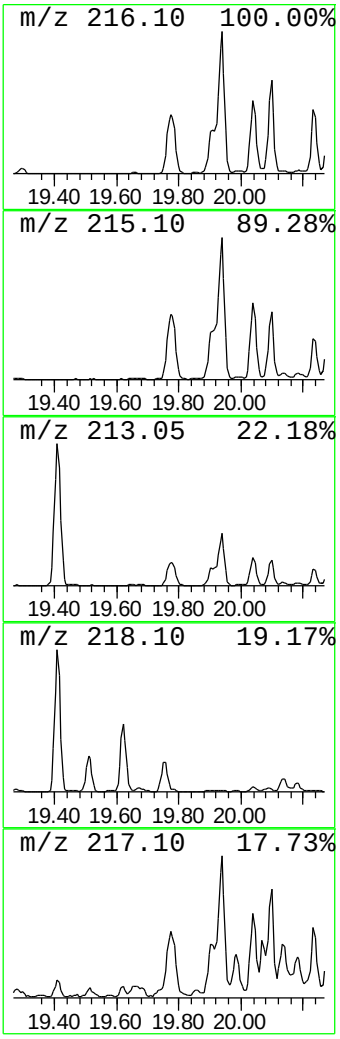
Peak Number 18 Pyrene, 1-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.77	2.47 ng/ul	1416610	Chrysene-d12	21.20

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	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91





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ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AG2

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Quant Title : SVOA CALIBRATION

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

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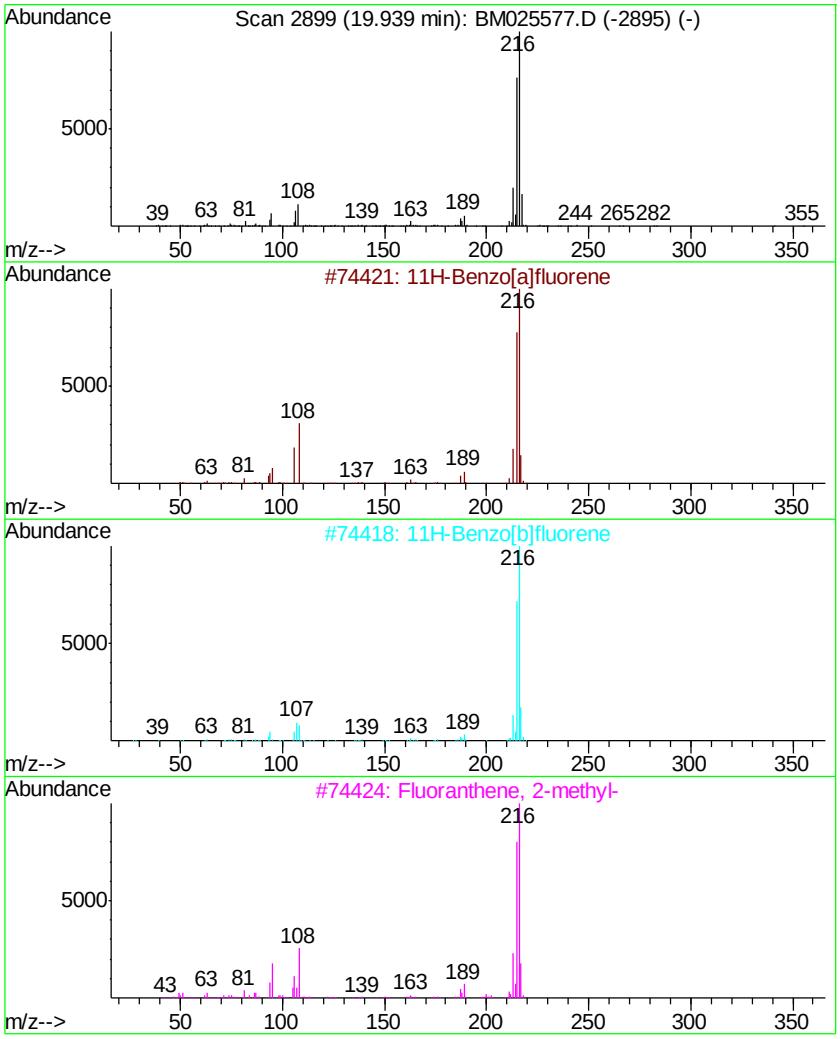
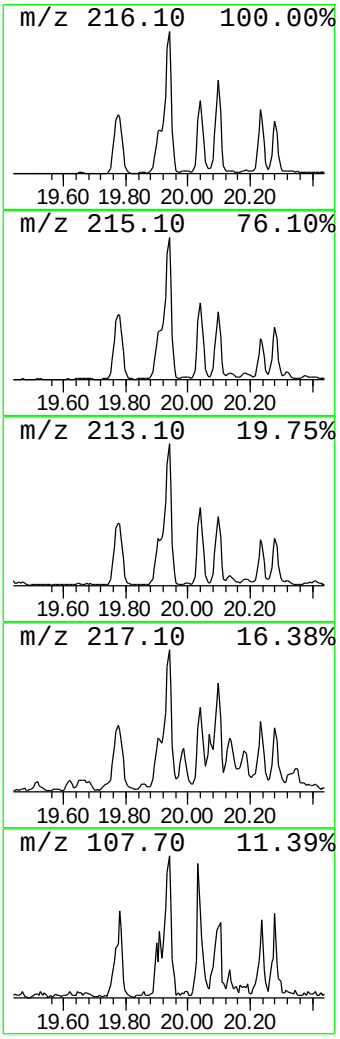
Peak Number 19 11H-Benzo[a]fluorene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	2.66 ng/ul	1525670	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91





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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AG2

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Quant Title : SVOA CALIBRATION

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

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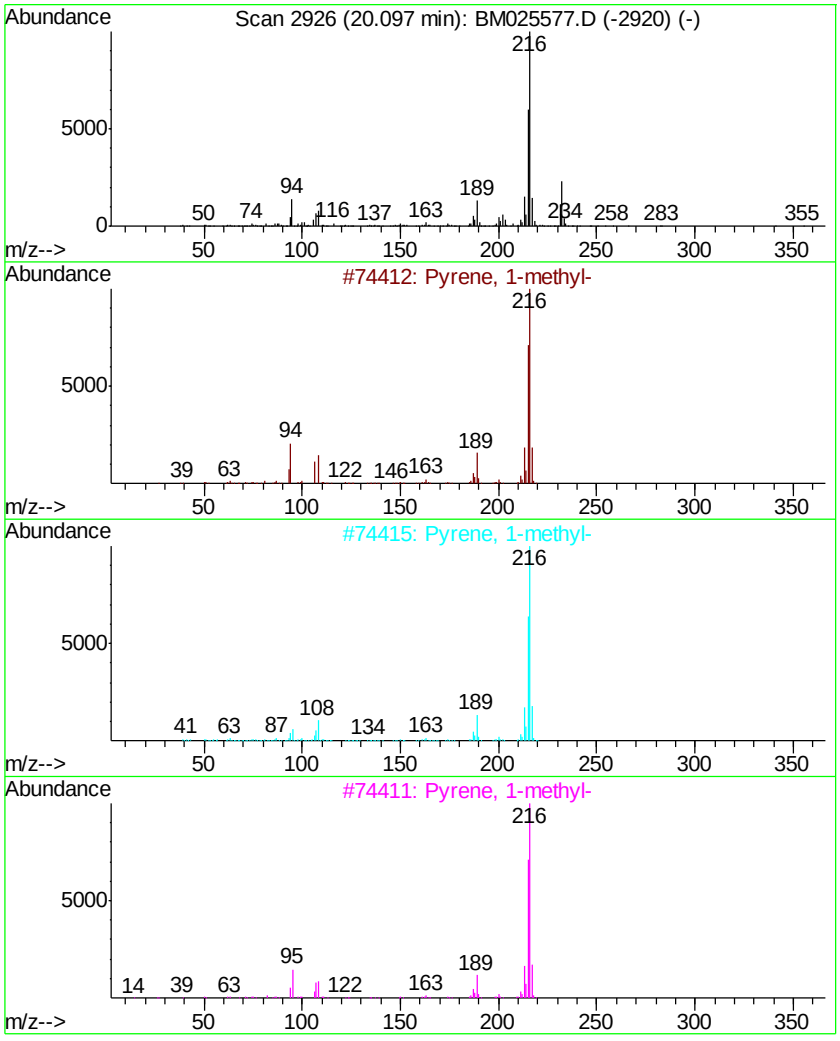
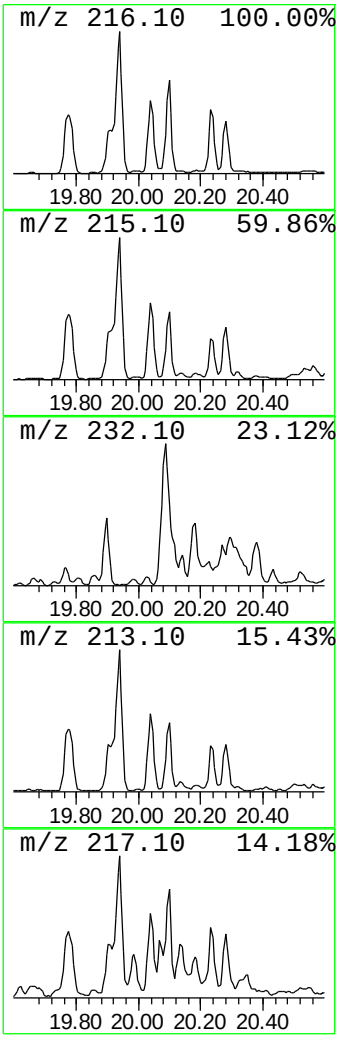
Peak Number 20 Pyrene, 4-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	2.19 ng/ul	1254990	Chrysene-d12	21.20

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	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93





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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AG2

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Quant Title : SVOA CALIBRATION

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

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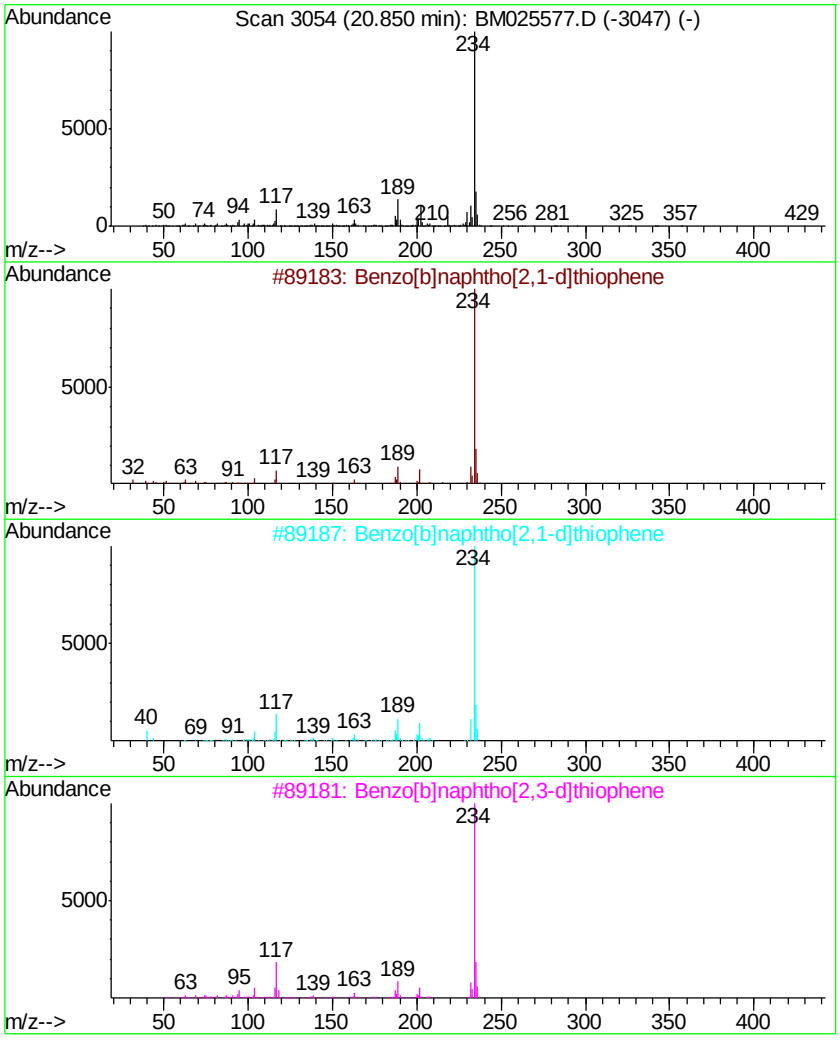
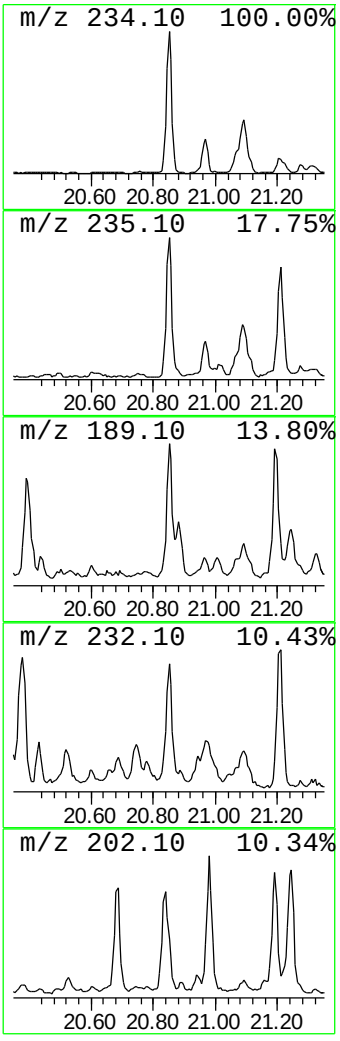
Peak Number 22 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.85	2.49 ng/ul	1424700	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93





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Quant Title : SVOA CALIBRATION

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

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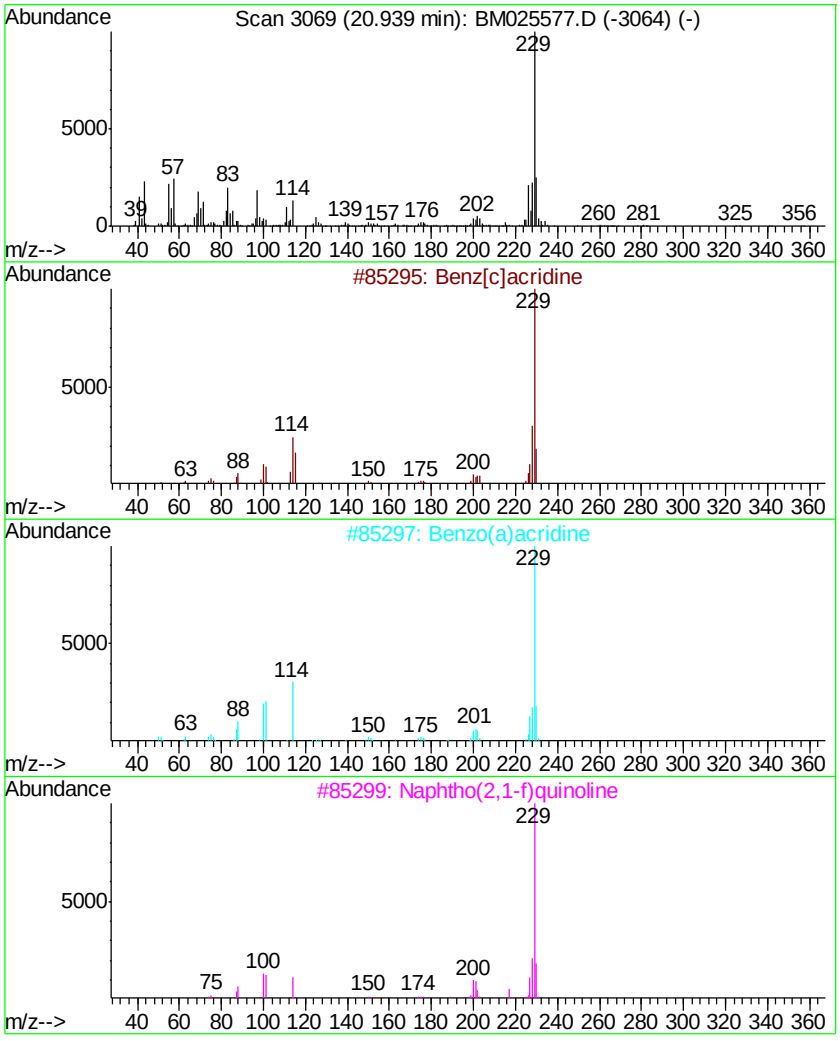
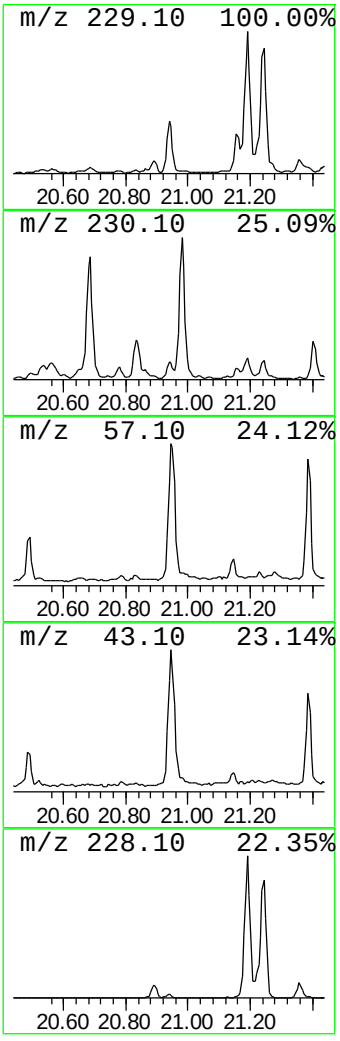
Peak Number 23 Benz[c]acridine Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.94	4.23 ng/ul	2420330	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[c]acridine	229	C17H11N	000225-51-4	78
2	Benzo(a)acridine	229	C17H11N	000225-11-6	50
3	Naphtho(2,1-f)quinoline	229	C17H11N	000218-08-6	50
4	Malononitrile, 2-indeno[1,2-b]py...	229	C15H7N3	1000316-60-9	38
5	Ethanethioic acid, S-tetradecyl ...	272	C16H32OS	090031-26-8	28





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

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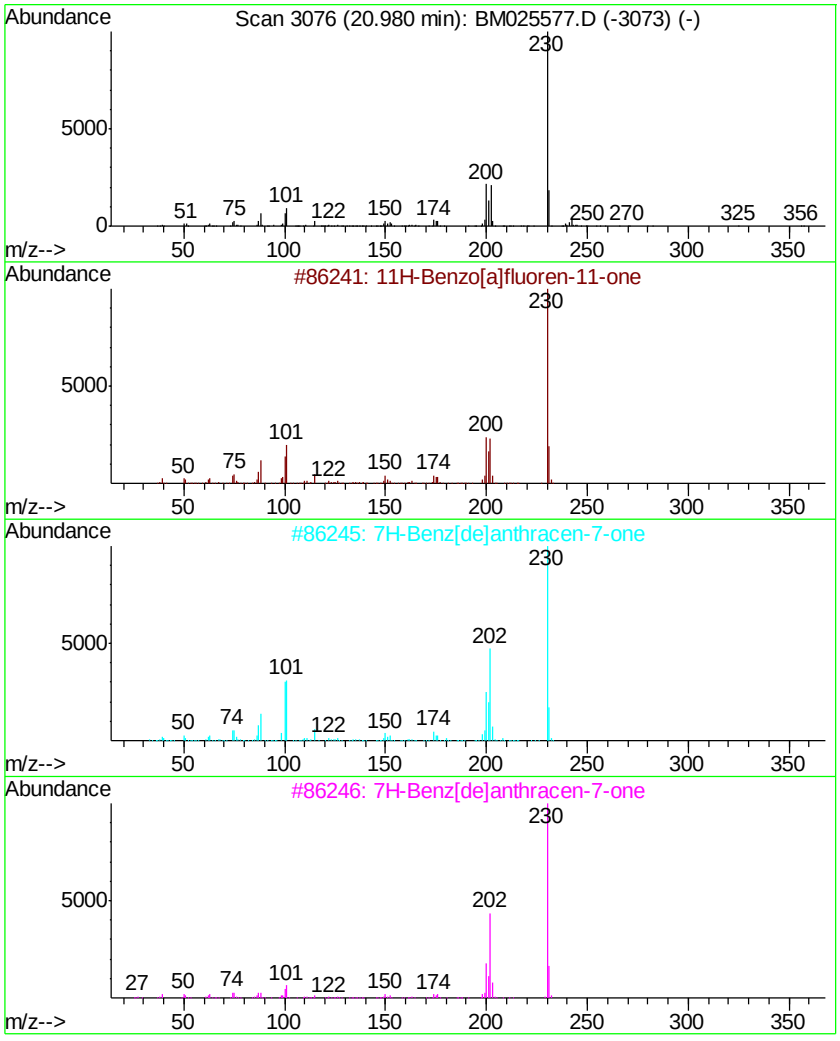
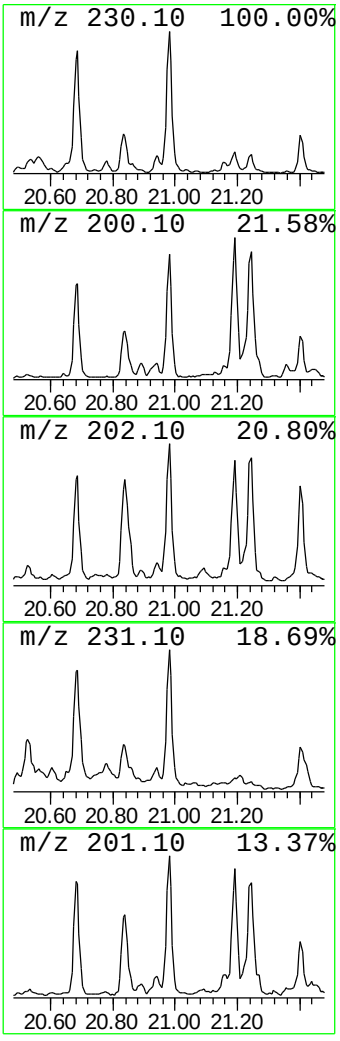
Peak Number 24 11H-Benzo[a]fluoren-11-one Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.98	2.65 ng/ul	1515830	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	68
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	62





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Quant Title : SVOA CALIBRATION

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

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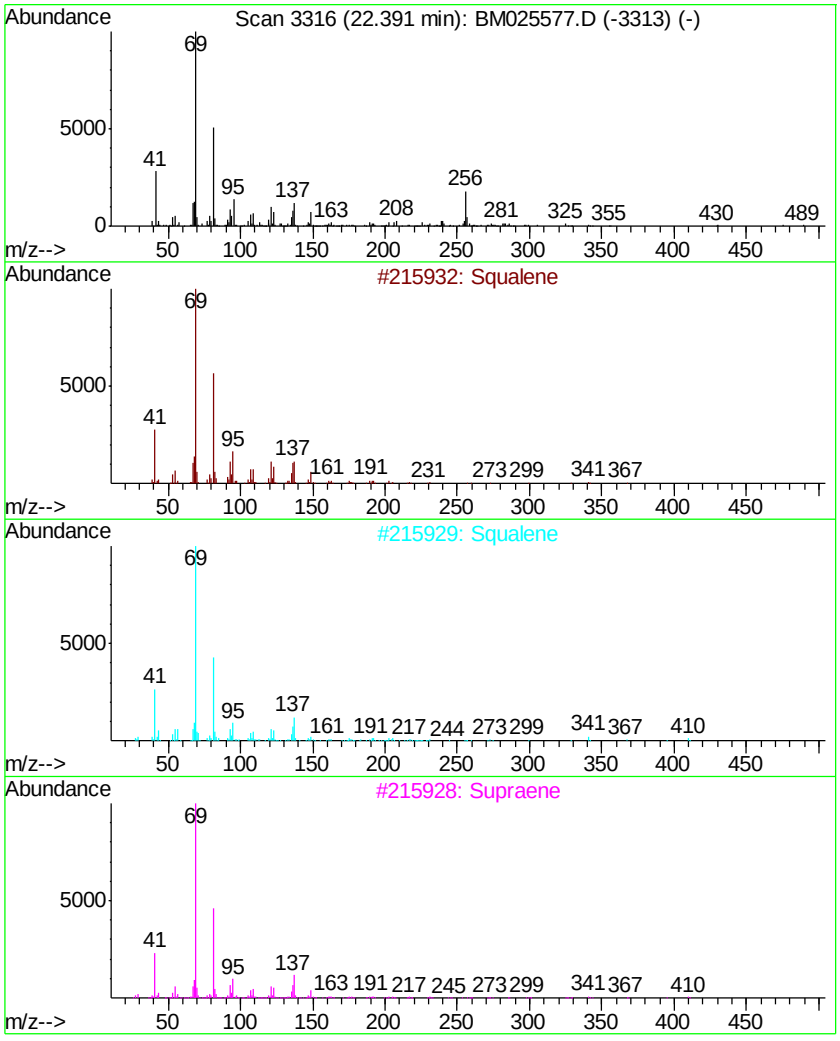
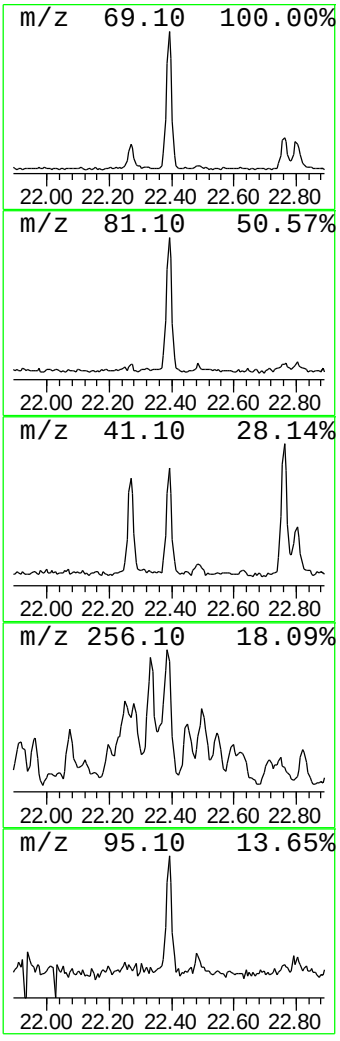
Peak Number 25 Squalene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.39	3.40 ng/ul	515352	Perylene-d12	23.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	000111-02-4	81
2	Squalene	410	C30H50	000111-02-4	74
3	Supraene	410	C30H50	007683-64-9	74
4	7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	50
5	1,6-Octadiene, 3,5-dimethyl-, tr...	138	C10H18	074630-87-8	50





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

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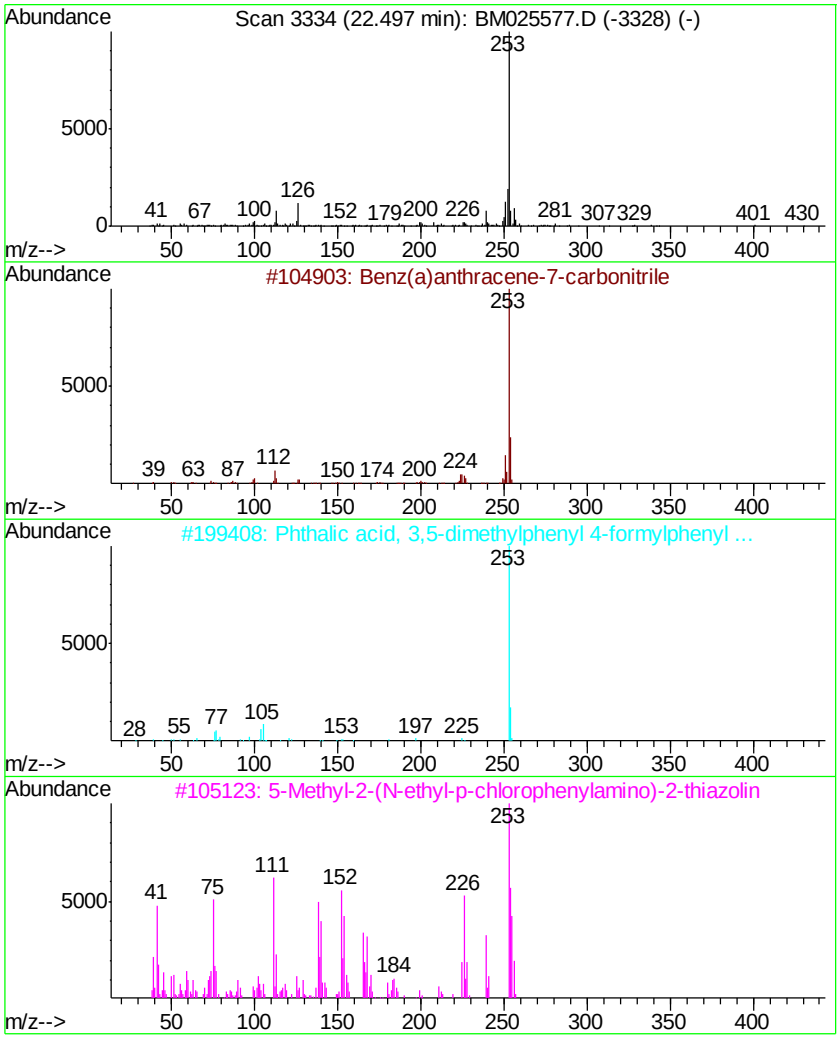
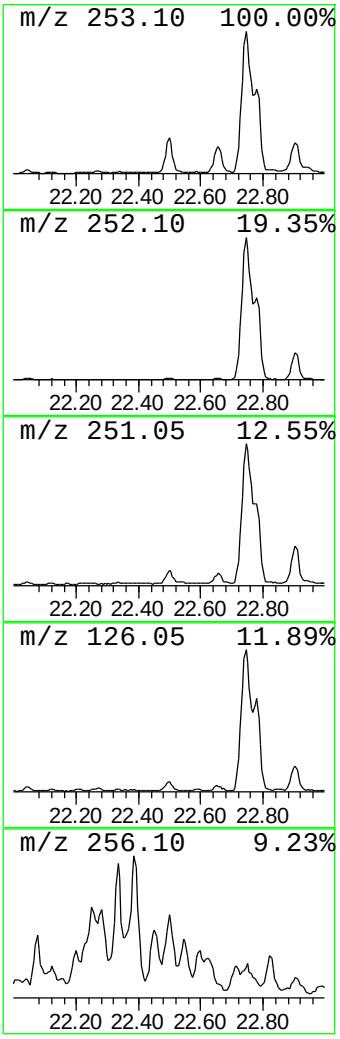
Peak Number 26 unknown-02 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.50	6.57 ng/ul	996935	Perylene-d12	23.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	38
2	Phthalic acid, 3,5-dimethylphenyl...	374	C23H18O5	1000315-73-8	25
3	5-Methyl-2-(N-ethyl-p-chlorophen...	254	C12H15ClN2S	075220-53-0	10
4	6-(2-Formylhydrazino)-N,N'-bis(i...	253	C10H19N7O	084305-82-8	9
5	1-((1-Butoxypropan-2-yl)oxy)prop...	384	C17H21F5O4	1000378-29-1	9





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Quant Title : SVOA CALIBRATION

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

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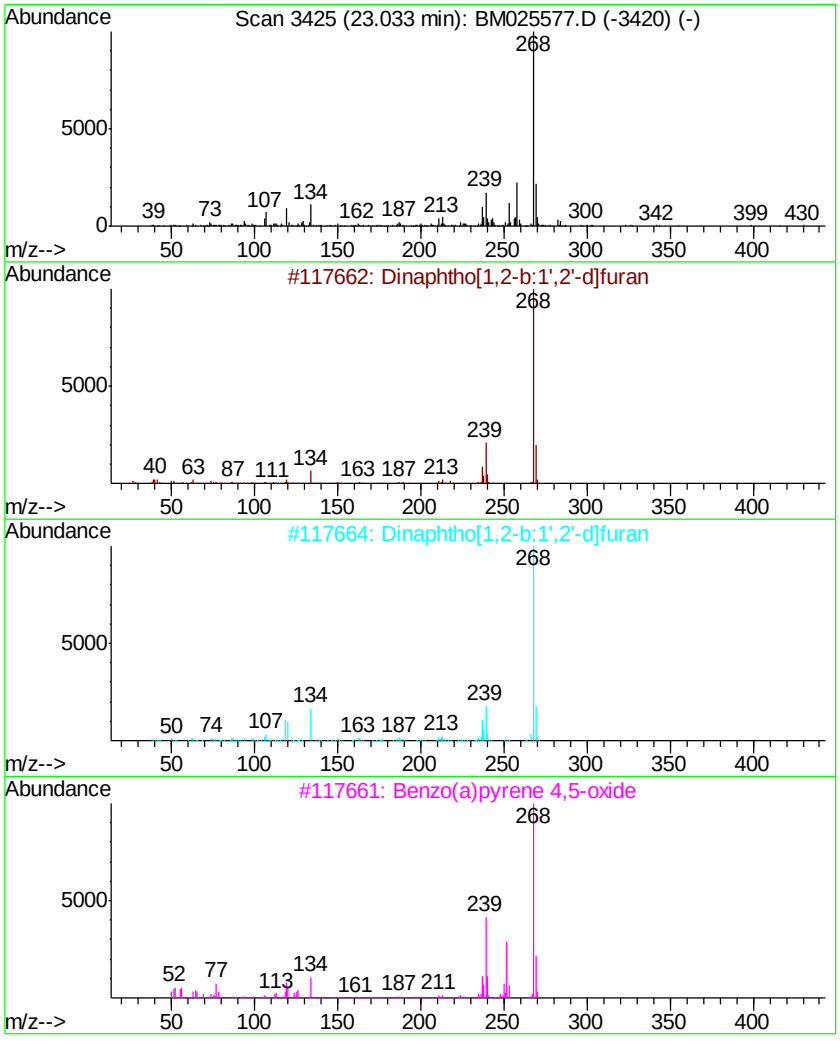
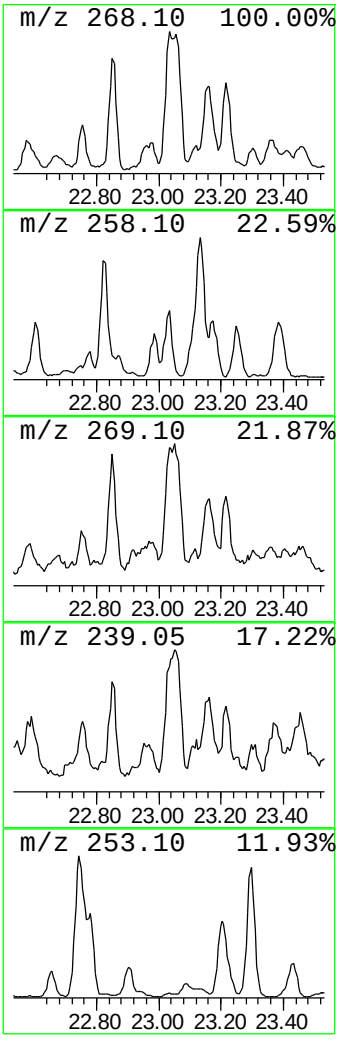
Peak Number 28 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.03	5.94 ng/ul	902151	Perylene-d12	23.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	81
2	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	76
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	68
4	9,10-Anthracenedione, 1,4-diamin...	268	C15H12N2O3	002872-48-2	59
5	Naphthalene, 1-(2-naphthalenylme...	268	C21H16	000611-48-3	59





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Instrument : BNA_M
ClientSampleId : B0AG2

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Quant Title : SVOA CALIBRATION

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

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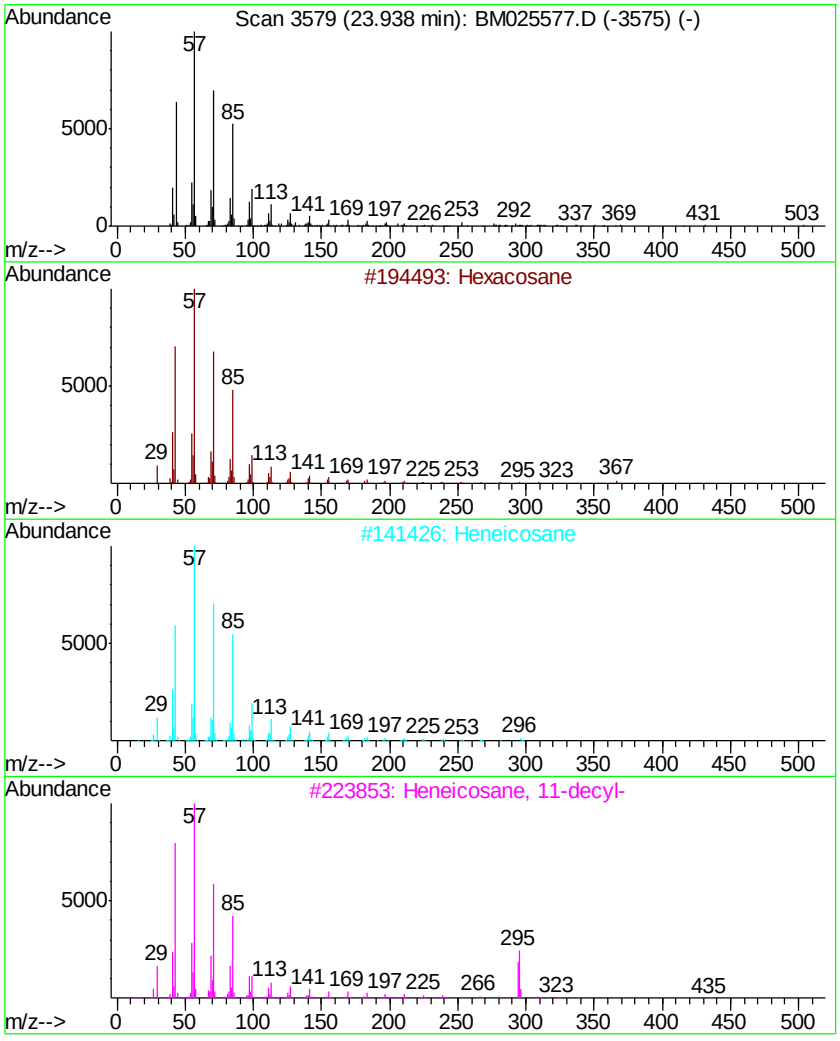
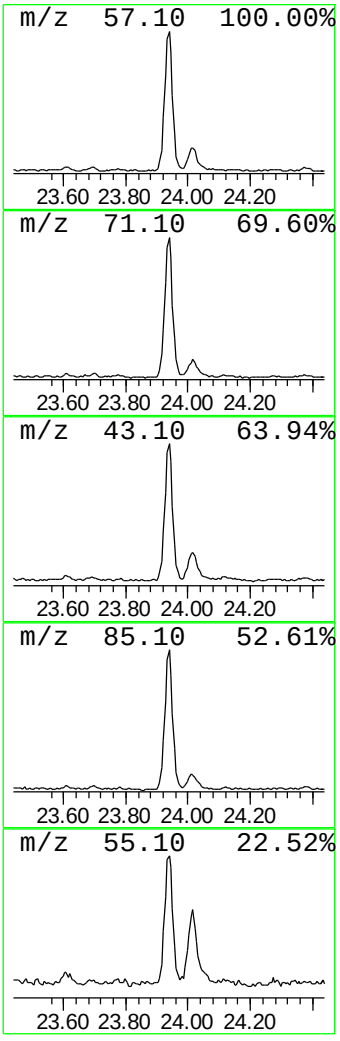
Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.94	6.67 ng/ul	1012900	Perylene-d12	23.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	90
2	Heneicosane	296	C21H44	000629-94-7	90
3	Heneicosane, 11-decyl-	437	C31H64	055320-06-4	87
4	Tetracosane, 11-decyl-	479	C34H70	055429-84-0	87
5	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	87





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Quant Title : SVOA CALIBRATION

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

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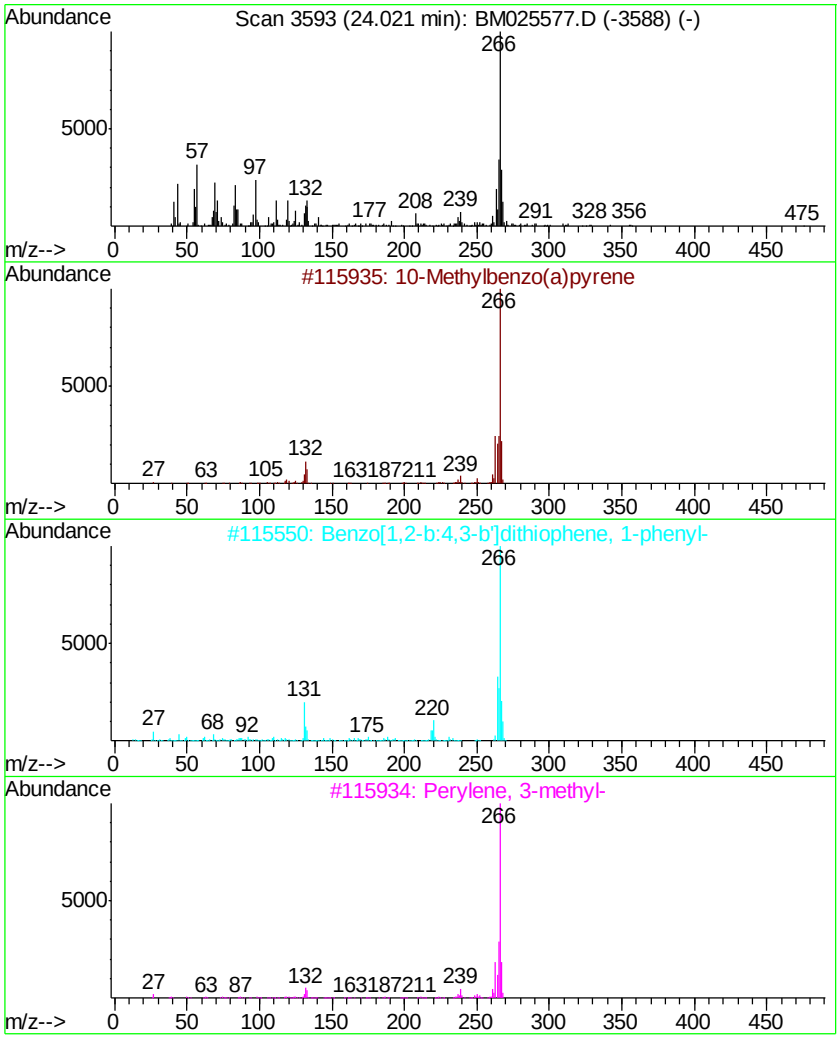
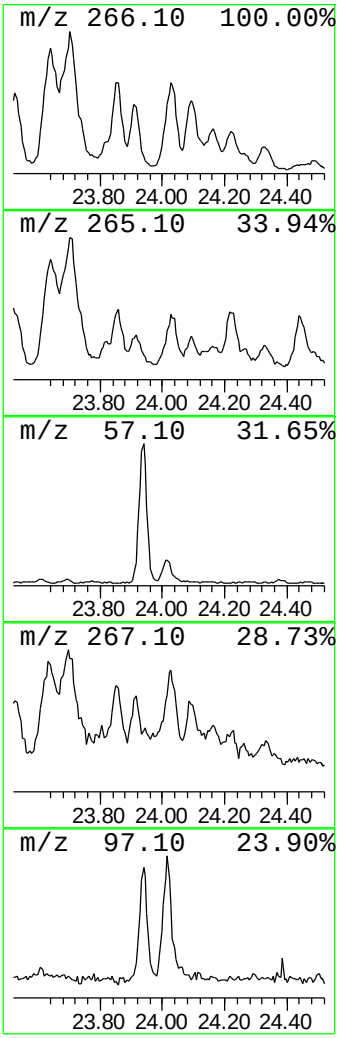
Peak Number 30 10-Methylbenzo(a)pyrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.02	3.56 ng/ul	540133	Perylene-d12	23.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	58
2	Benzo[1,2-b:4,3-b']dithiophene, ...	266	C16H10S2	016587-58-9	58
3	Perylene, 3-methyl-	266	C21H14	024471-47-4	53
4	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	49
5	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	47





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Data File : BM025577.D
Acq On : 16 Mar 2020 13:21
Operator : CG/JU
Sample : L1906-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AG2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.M
Quant Title : SVOA CALIBRATION

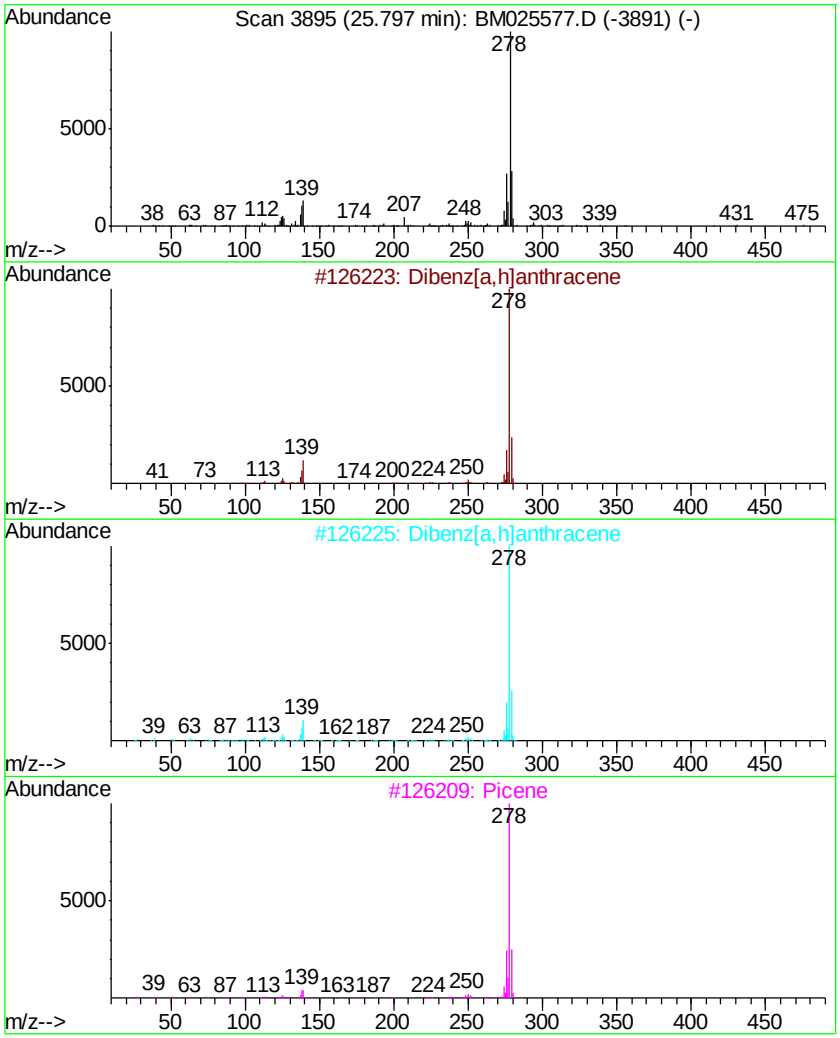
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

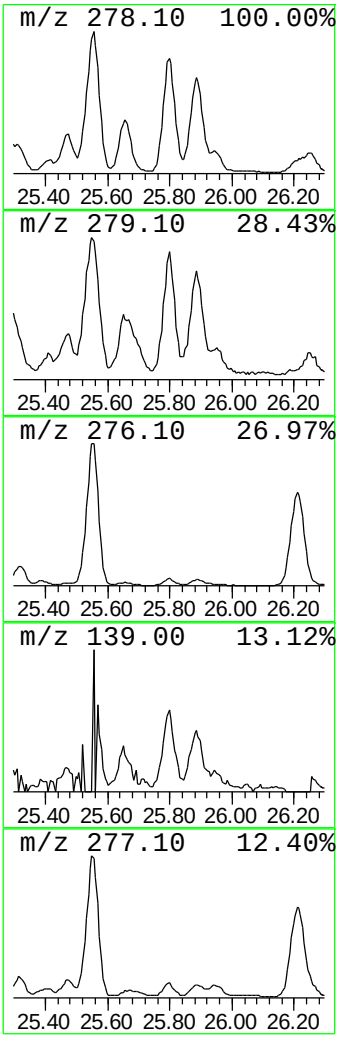
****

Peak Number 31 Picene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.80	5.27 ng/ul	799597	Perylene-d12	23.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	96
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	96
3	Picene	278	C22H14	000213-46-7	95
4	Picene	278	C22H14	000213-46-7	93
5	Picene	278	C22H14	000213-46-7	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM031620\
Data File : BM025577.D
Acq On : 16 Mar 2020 13:21
Operator : CG/JU
Sample : L1906-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AG2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.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
Butane, 2-methoxy...	2.98	45.9	ng/ul	2324100	1	7.64	1013550	20.0
Dibenzofuran, 4-m...	15.62	2.6	ng/ul	263933	3	14.27	2056870	20.0
[1,1'-Biphenyl]-4...	15.76	2.9	ng/ul	343955	4	17.02	2413070	20.0
9H-Fluorene, 1-me...	16.33	2.3	ng/ul	273196	4	17.02	2413070	20.0
9H-Fluoren-9-one	16.67	2.7	ng/ul	326911	4	17.02	2413070	20.0
Dibenzothiophene	16.83	2.9	ng/ul	348373	4	17.02	2413070	20.0
Phenanthrene, 2-m...	17.89	7.5	ng/ul	909040	4	17.02	2413070	20.0
Phenanthrene, 1-m...	17.94	12.6	ng/ul	1513950	4	17.02	2413070	20.0
1H-Cyclopropa[l]p...	18.02	4.5	ng/ul	540191	4	17.02	2413070	20.0
4H-Cyclopenta[def...	18.08	15.8	ng/ul	1902140	4	17.02	2413070	20.0
Phenanthrene, 4-m...	18.12	5.0	ng/ul	603351	4	17.02	2413070	20.0
Naphthalene, 2-ph...	18.39	6.8	ng/ul	821481	4	17.02	2413070	20.0
9,10-Anthracenedione	18.43	4.7	ng/ul	562531	4	17.02	2413070	20.0
Anthracene, 2-ethyl-	18.64	2.0	ng/ul	247416	4	17.02	2413070	20.0
Phenanthrene, 2,5...	18.82	6.8	ng/ul	817147	4	17.02	2413070	20.0
unknown-01	18.87	4.0	ng/ul	483941	4	17.02	2413070	20.0
Cyclopenta(def)ph...	18.95	6.1	ng/ul	738986	4	17.02	2413070	20.0
Pyrene, 1-methyl-	19.77	2.5	ng/ul	1416610	5	21.20	11454700	20.0
11H-Benzo[a]fluorene	19.94	2.7	ng/ul	1525670	5	21.20	11454700	20.0
Pyrene, 4-methyl-	20.10	2.2	ng/ul	1254990	5	21.20	11454700	20.0
Benzo[b]naphtho[2...	20.85	2.5	ng/ul	1424700	5	21.20	11454700	20.0
Benz[c]acridine	20.94	4.2	ng/ul	2420330	5	21.20	11454700	20.0
11H-Benzo[a]fluor...	20.98	2.6	ng/ul	1515830	5	21.20	11454700	20.0
Squalene	22.39	3.4	ng/ul	515352	6	23.39	3035350	20.0
unknown-02	22.50	6.6	ng/ul	996935	6	23.39	3035350	20.0
Dinaphtho[1,2-b:1...	23.03	5.9	ng/ul	902151	6	23.39	3035350	20.0
(DEL) Alkane: Str...	23.94	6.7	ng/ul	1012900	6	23.39	3035350	20.0
10-Methylbenzo(a)...	24.02	3.6	ng/ul	540133	6	23.39	3035350	20.0
Picene	25.80	5.3	ng/ul	799597	6	23.39	3035350	20.0