LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030118\
Data File : BM014439.D
Acq On : 01 Mar 2018 18:58
Operator : SJ/JU
Sample : J1646-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X1

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.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	6.716	629	634	652	rVB	155659	370590	3.16%	0.333%
2	6.863	654	659	672	rVB	121894	229190	1.95%	0.206%
3	7.057	686	692	701	rBV2	181882	343586	2.93%	0.309%
4	7.510	763	769	778	rBV	196504	334682	2.85%	0.301%
5	8.245	888	894	904	rBV2	185628	394288	3.36%	0.354%
6	8.675	960	967	980	rBV	181970	368003	3.13%	0.331%
7	9.392	1083	1089	1096	rBV2	156054	307373	2.62%	0.276%
8	9.939	1176	1182	1196	rBV2	200757	481275	4.10%	0.433%
9	10.281	1231	1240	1246	rBV	332459	574459	4.89%	0.516%
10	10.457	1264	1270	1281	rBV2	85484	242205	2.06%	0.218%
11	13.592	1798	1803	1808	rBV	536465	757939	6.45%	0.681%
12	13.639	1808	1811	1818	rVB	190336	281399	2.40%	0.253%
13	13.863	1839	1849	1853	rBV	610778	1039337	8.85%	0.934%
14	14.174	1894	1902	1908	rBV2	548905	881508	7.51%	0.792%
15	14.233	1908	1912	1917	rVB	119721	174374	1.48%	0.157%
16	14.463	1945	1951	1965	rBV4	137207	446694	3.80%	0.402%
17	14.580	1965	1971	1976	rVV2	86403	141306	1.20%	0.127%
18	15.174	2066	2072	2077	rBV	853152	1171290	9.97%	1.053%
19	15.233	2077	2082	2093	rVB	157285	289594	2.47%	0.260%
20	15.345	2093	2101	2107	rBV3	239438	460967	3.93%	0.414%
21	15.551	2128	2136	2141	rBV3	143068	277964	2.37%	0.250%
22	16.239	2246	2253	2258	rBV7	74350	170631	1.45%	0.153%
23	16.509	2295	2299	2303	rVB7	88691	129920	1.11%	0.117%
24	16.598	2309	2314	2320	rBV2	111306	177008	1.51%	0.159%
25	16.751	2336	2340	2346	rVB	145291	212664	1.81%	0.191%
26	16.933	2365	2371	2374	rBV	889038	1220416	10.39%	1.097%
27	16.974	2374	2378	2383	rVV	2823235	3873418	32.99%	3.482%
28	17.033	2383	2388	2391	rVV2	1012655	1467998	12.50%	1.320%
29	17.068	2391	2394	2399	rVB	515800	707091	6.02%	0.636%
30	17.133	2400	2405	2409	rVV5	69493	133054	1.13%	0.120%
31	17.351	2435	2442	2453	rBV2	194271	401582	3.42%	0.361%
32	17.515	2467	2470	2478	rVB2	121056	232168	1.98%	0.209%
33	17.656	2491	2494	2499	rVB3	82225	131297	1.12%	0.118%
34	17.809	2515	2520	2523	rBV	600387	807618	6.88%	0.726%

LSC Area Percent Report

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Data File : BM014439.D
Acq On : 01 Mar 2018 18:58
Operator : SJ/JU
Sample : J1646-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X1

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Title : SVOA CALIBRATION

35	17.856	2523	2528	2534	rVB2	825767	1538586	13.10%	1.383%
36	17.939	2539	2542	2546	rVB	195875	264064	2.25%	0.237%
37	17.998	2547	2552	2557	rVV2	748567	1359007	11.57%	1.222%
38	18.039	2557	2559	2569	rVB	451960	644161	5.49%	0.579%
39	18.127	2570	2574	2578	rBV7	91207	154247	1.31%	0.139%
40	18.215	2585	2589	2595	rBV7	91675	128362	1.09%	0.115%
41	18.315	2602	2606	2612	rBV	309308	442471	3.77%	0.398%
42	18.374	2612	2616	2624	rVB	578827	779974	6.64%	0.701%
43	18.562	2640	2648	2652	rBV3	191486	411771	3.51%	0.370%
44	18.621	2654	2658	2661	rVV	168420	246298	2.10%	0.221%
45	18.656	2661	2664	2668	rVB2	143314	184153	1.57%	0.166%
46	18.739	2673	2678	2682	rBV	460307	690913	5.88%	0.621%
47	18.798	2684	2688	2692	rVV3	236283	472652	4.03%	0.425%
48	18.833	2692	2694	2697	rVB	157673	146008	1.24%	0.131%
49	18.892	2698	2704	2710	rBV6	349772	694851	5.92%	0.625%
50	19.009	2718	2724	2731	rVB	5593746	6979226	59.44%	6.273%
51	19.109	2738	2741	2743	rBV3	144499	172678	1.47%	0.155%
52	19.139	2743	2746	2756	rVB7	281586	523485	4.46%	0.471%
53	19.227	2758	2761	2763	rBV2	128236	164100	1.40%	0.148%
54	19.345	2776	2781	2783	rBV3	2125684	2986958	25.44%	2.685%
55	19.374	2783	2786	2795	rVV	5487193	7209473	61.40%	6.480%
56	19.450	2796	2799	2802	rVV2	300873	408349	3.48%	0.367%
57	19.486	2802	2805	2809	rVB2	215304	248613	2.12%	0.223%
58	19.556	2814	2817	2821	rVB	187532	251109	2.14%	0.226%
59	19.703	2837	2842	2850	rBV4	404477	878813	7.48%	0.790%
60	19.874	2868	2871	2877	rVB	764551	1121068	9.55%	1.008%
61	19.974	2885	2888	2892	rBV	510973	682806	5.81%	0.614%
62	20.033	2894	2898	2902	rVB2	543157	848664	7.23%	0.763%
63	20.174	2918	2922	2925	rBV	429265	529735	4.51%	0.476%
64	20.221	2927	2930	2934	rVB	476194	587031	5.00%	0.528%
65	20.439	2963	2967	2970	rBV	810108	986137	8.40%	0.886%
66	20.633	2995	3000	3005	rVB2	642822	1276371	10.87%	1.147%
67	20.792	3024	3027	3031	rBV	588909	729590	6.21%	0.656%
68	20.833	3031	3034	3036	rVV	511396	599453	5.11%	0.539%
69	20.868	3036	3040	3048	rVV4	606654	1159065	9.87%	1.042%
70	20.939	3048	3052	3059	rVB	689848	993702	8.46%	0.893%
71	21.068	3069	3074	3078	rVB	11663608	11742357	100.00%	10.555%

LSC Area Percent Report

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Data File : BM014439.D
Acq On : 01 Mar 2018 18:58
Operator : SJ/JU
Sample : J1646-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X1

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Title : SVOA CALIBRATION

72	21.139	3081	3086	3091	rVV2	3709597	7162191	60.99%	6.438%
73	21.192	3091	3095	3104	rVB	3219825	4320951	36.80%	3.884%
74	21.303	3111	3114	3117	rBV2	441812	468120	3.99%	0.421%
75	21.362	3121	3124	3127	rVV	1016004	1291465	11.00%	1.161%
76	21.397	3127	3130	3137	rVB	4016900	4822275	41.07%	4.335%
77	21.621	3164	3168	3174	rBV2	773558	985570	8.39%	0.886%
78	21.692	3178	3180	3184	rVB	624243	684190	5.83%	0.615%
79	21.744	3187	3189	3192	rVB	444212	426296	3.63%	0.383%
80	21.886	3210	3213	3216	rBV	329007	452324	3.85%	0.407%
81	22.691	3340	3350	3354	rBV2	2447775	6214527	52.92%	5.586%
82	23.144	3422	3427	3431	rBV	1341205	2348894	20.00%	2.111%
83	23.197	3432	3436	3439	rVV2	1155530	1945271	16.57%	1.749%
84	23.238	3439	3443	3450	rVB	2107275	3574939	30.44%	3.213%
85	23.327	3454	3458	3463	rBV2	791430	1346506	11.47%	1.210%
86	23.803	3534	3539	3546	rVB	1947039	3449135	29.37%	3.100%
87	25.503	3822	3828	3834	rVB	743531	1592561	13.56%	1.432%
88	26.832	4048	4054	4064	rVB2	579379	1695438	14.44%	1.524%

Sum of corrected areas: 111249842

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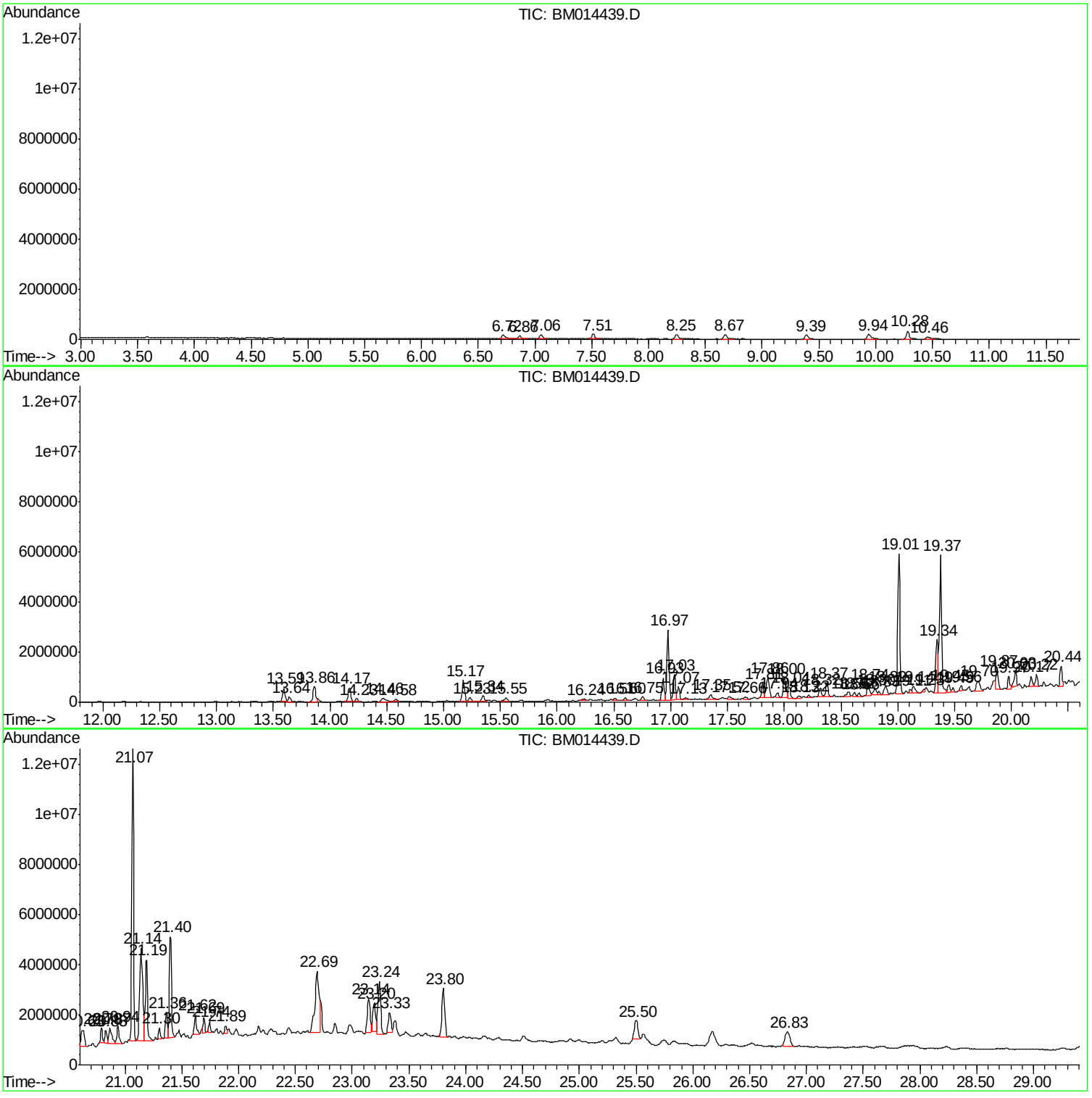
Sample : J1646-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA M\DATA\BM030118\
Data File : BM014439.D
Acq On : 01 Mar 2018 18:58
Operator : SJ/JU
Sample : J1646-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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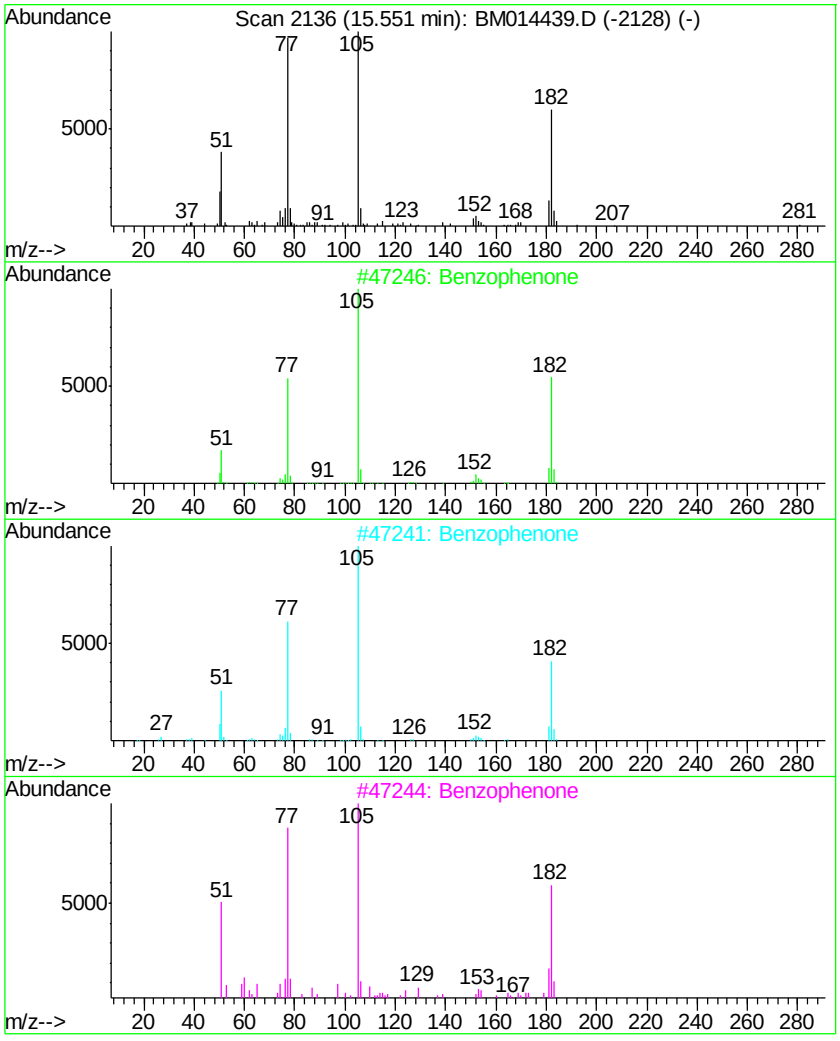
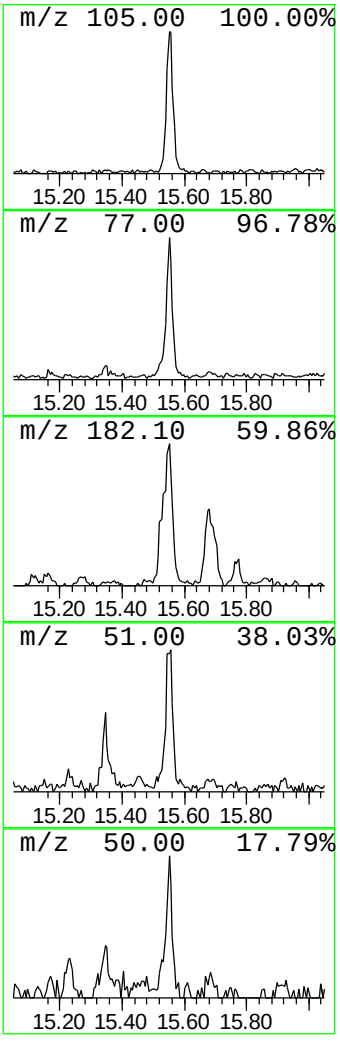
Peak Number 1 Benzophenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	6.31 ng/ul	277964	Acenaphthene-d10	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	94
2	Benzophenone	182	C13H10O	000119-61-9	91
3	Benzophenone	182	C13H10O	000119-61-9	91
4	Benzophenone	182	C13H10O	000119-61-9	87
5	Benzophenone	182	C13H10O	000119-61-9	81





Data Path : Z:\HPCHEM1\BNA M\DATA\BM030118\
Data File : BM014439.D
Acq On : 01 Mar 2018 18:58
Operator : SJ/JU
Sample : J1646-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

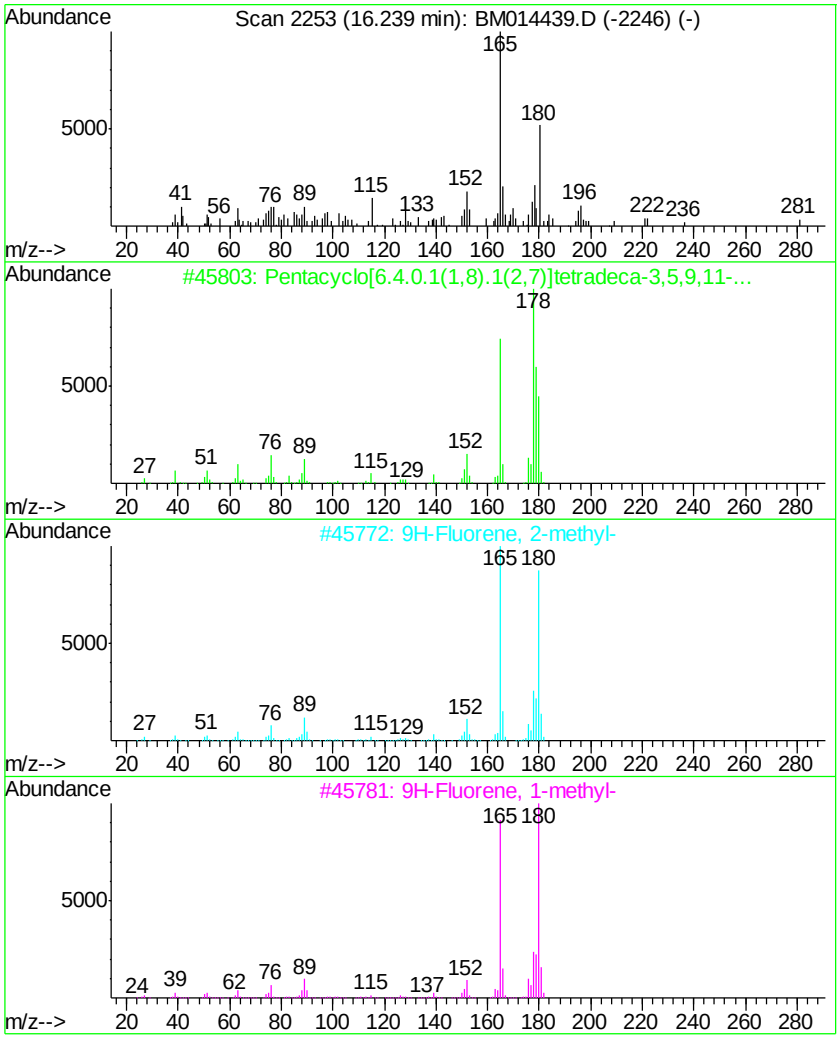
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

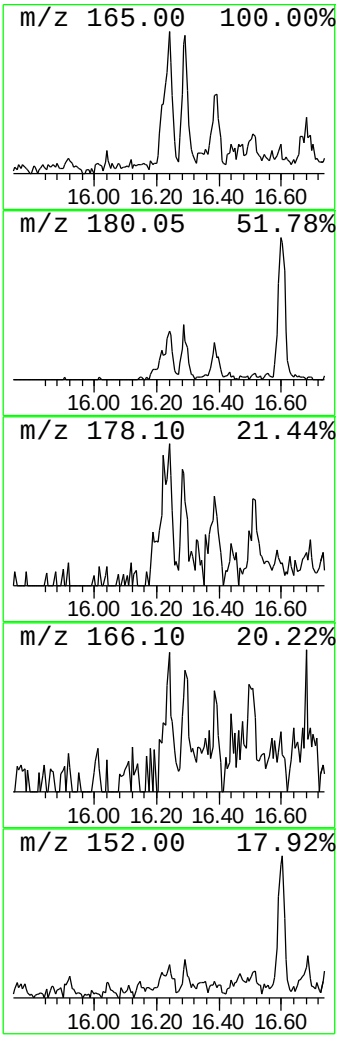
****

Peak Number 2 Pentacyclo[6.4.0.1(1,8).1(2... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.24	2.80 ng/ul	170631	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacyclo[6.4.0.1(1,8).1(2,7)]t...	180	C14H12	086120-84-5	78
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	58
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	52
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	52
5	Silane, trimethyl(3-methylphenoxy)-	180	C10H16OSi	017902-31-7	52





Data Path : Z:\HPCHEM1\BNA M\DATA\BM030118\
Data File : BM014439.D
Acq On : 01 Mar 2018 18:58
Operator : SJ/JU
Sample : J1646-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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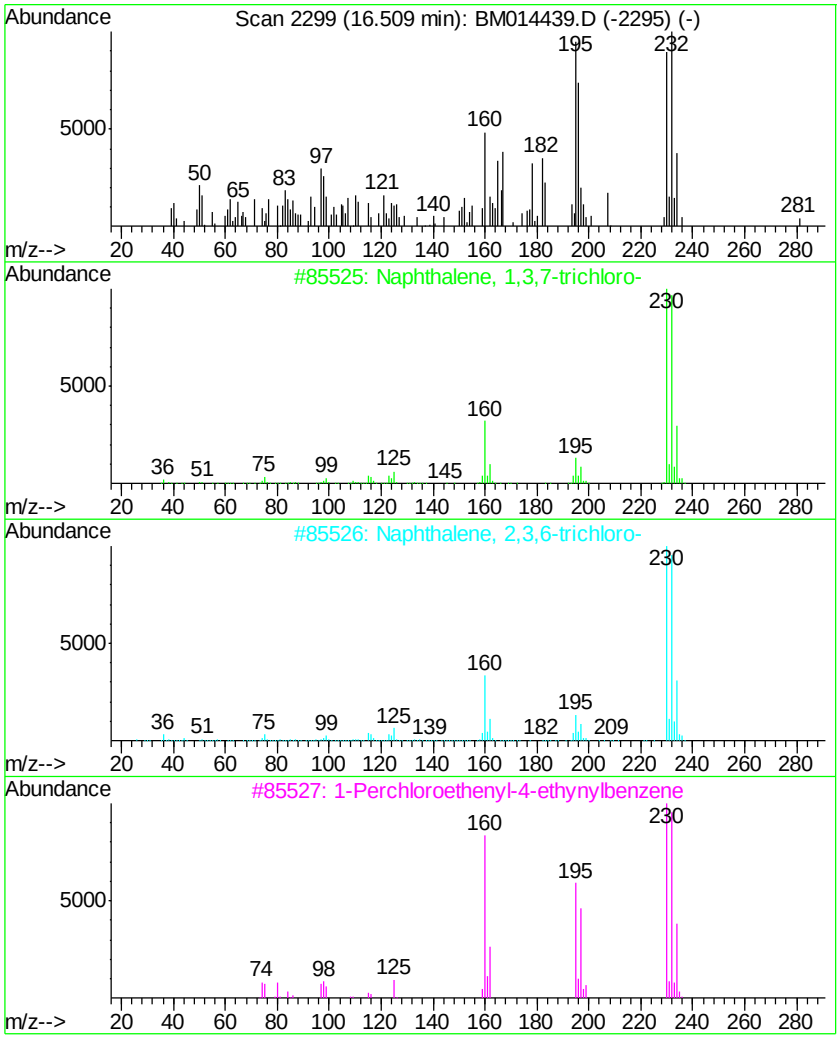
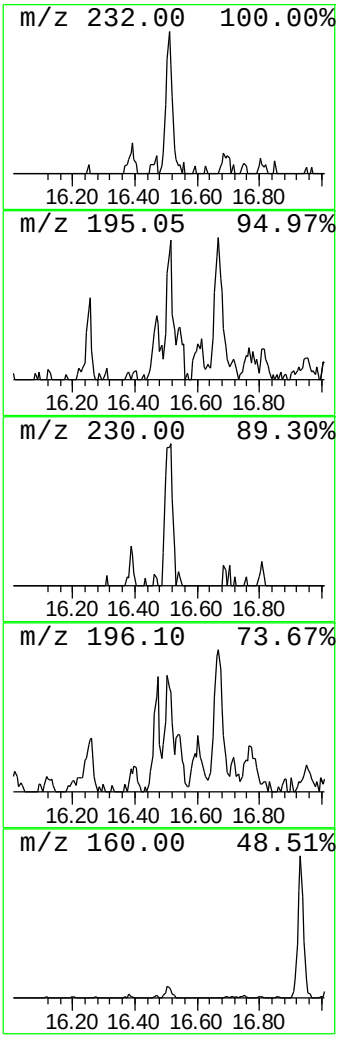
Peak Number 3 Naphthalene, 1,3,7-trichloro- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.51	2.13 ng/ul	129920	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3,7-trichloro-	230	C10H5Cl3	055720-37-1	86
2	Naphthalene, 2,3,6-trichloro-	230	C10H5Cl3	055720-40-6	52
3	1-Perchloroethenyl-4-ethynylbenzene	230	C10H5Cl3	1000283-76-9	49
4	Benzaldehyde, 3-bromo-4-hydroxy-...	230	C8H7BrO3	002973-76-4	42
5	4-Chloro-1,8-naphthalic anhydride	232	C12H5ClO3	004053-08-1	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030118\
Data File : BM014439.D
Acq On : 01 Mar 2018 18:58
Operator : SJ/JU
Sample : J1646-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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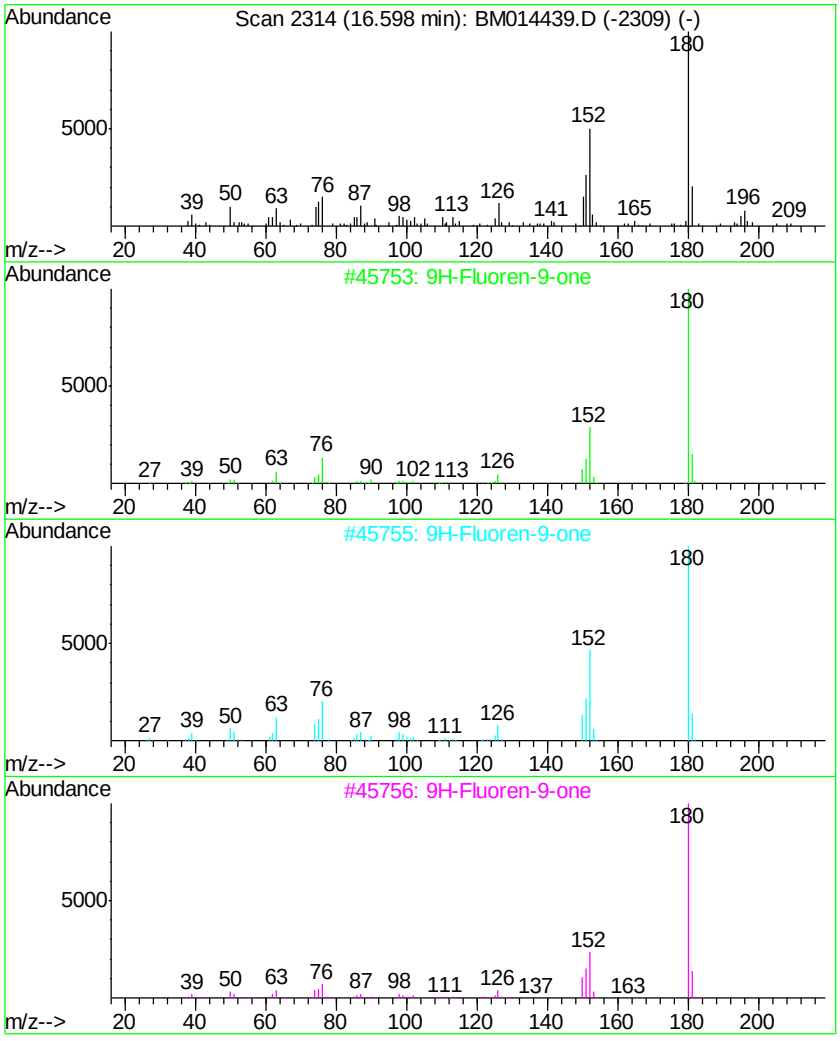
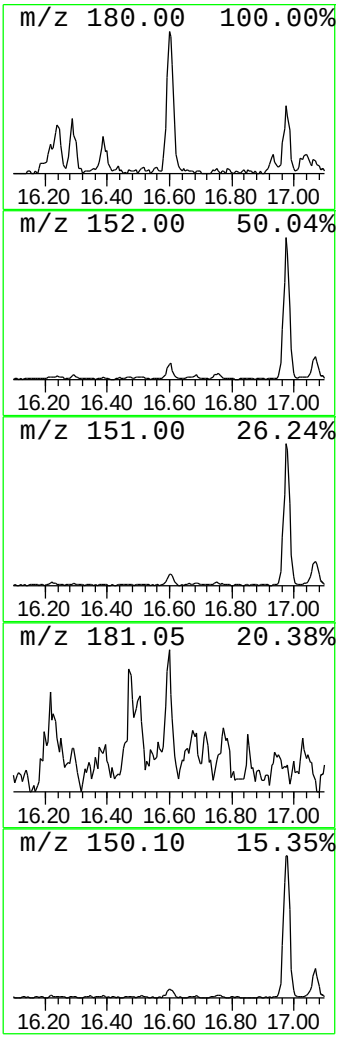
Peak Number 4 9H-Fluoren-9-one Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.60	2.90 ng/ul	177008	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	72
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	58





Data Path : Z:\HPCHEM1\BNA M\DATA\BM030118\
Data File : BM014439.D
Acq On : 01 Mar 2018 18:58
Operator : SJ/JU
Sample : J1646-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

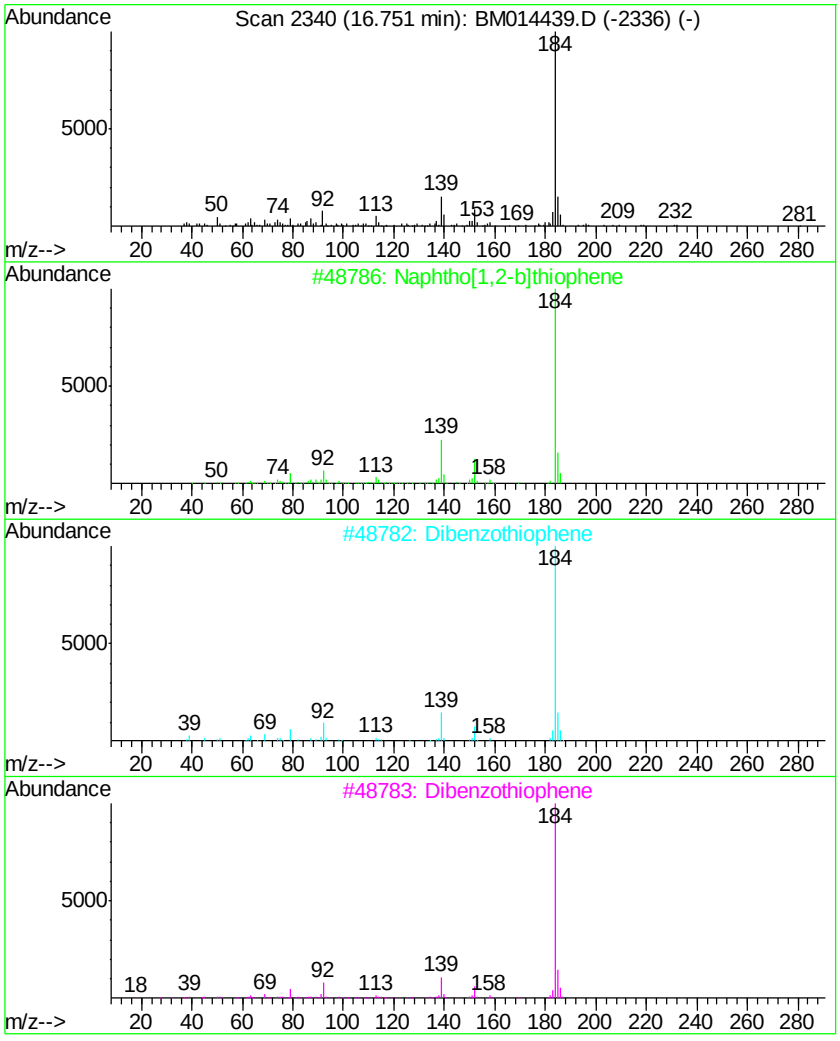
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

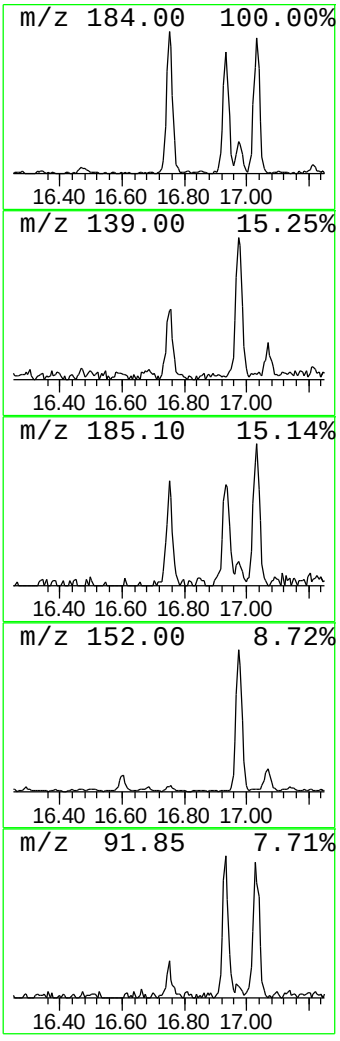
****

Peak Number 5 Naphtho[1,2-b]thiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.75	3.49 ng/ul	212664	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	91
3	Dibenzothiophene	184	C12H8S	000132-65-0	91
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
5	Dibenzothiophene	184	C12H8S	000132-65-0	90





Data Path : Z:\HPCHEM1\BNA M\DATA\BM030118\
Data File : BM014439.D
Acq On : 01 Mar 2018 18:58
Operator : SJ/JU
Sample : J1646-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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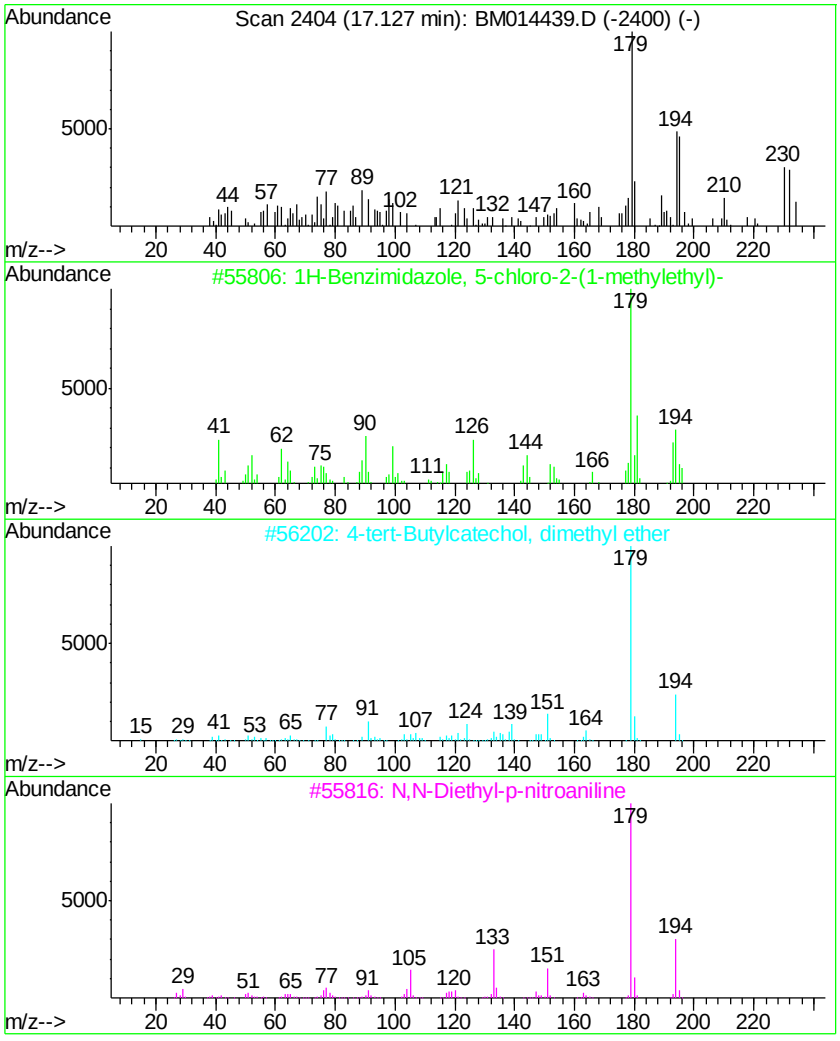
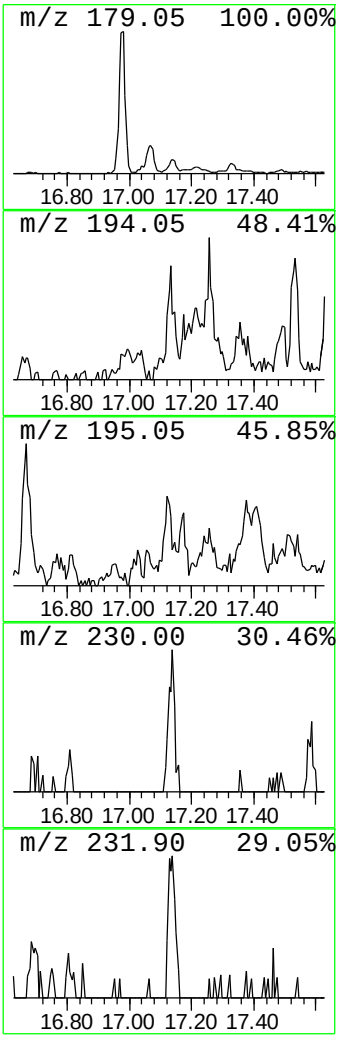
Peak Number 6 1H-Benzimidazole, 5-chloro-... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.13	2.18 ng/ul	133054	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzimidazole, 5-chloro-2-(1-...	194	C10H11ClN2	004886-29-7	74
2	4-tert-Butylcatechol, dimethyl e...	194	C12H18O2	1000352-79-6	58
3	N,N-Diethyl-p-nitroaniline	194	C10H14N2O2	002216-15-1	58
4	4-Acetyl-7-hydroxybenzo-2,1,3-th...	194	C8H6N2O2S	120893-38-1	58
5	N,N-Diethyl-p-nitroaniline	194	C10H14N2O2	002216-15-1	53





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Acq On : 01 Mar 2018 18:58
Operator : SJ/JU
Sample : J1646-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X1

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Quant Title : SVOA CALIBRATION

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

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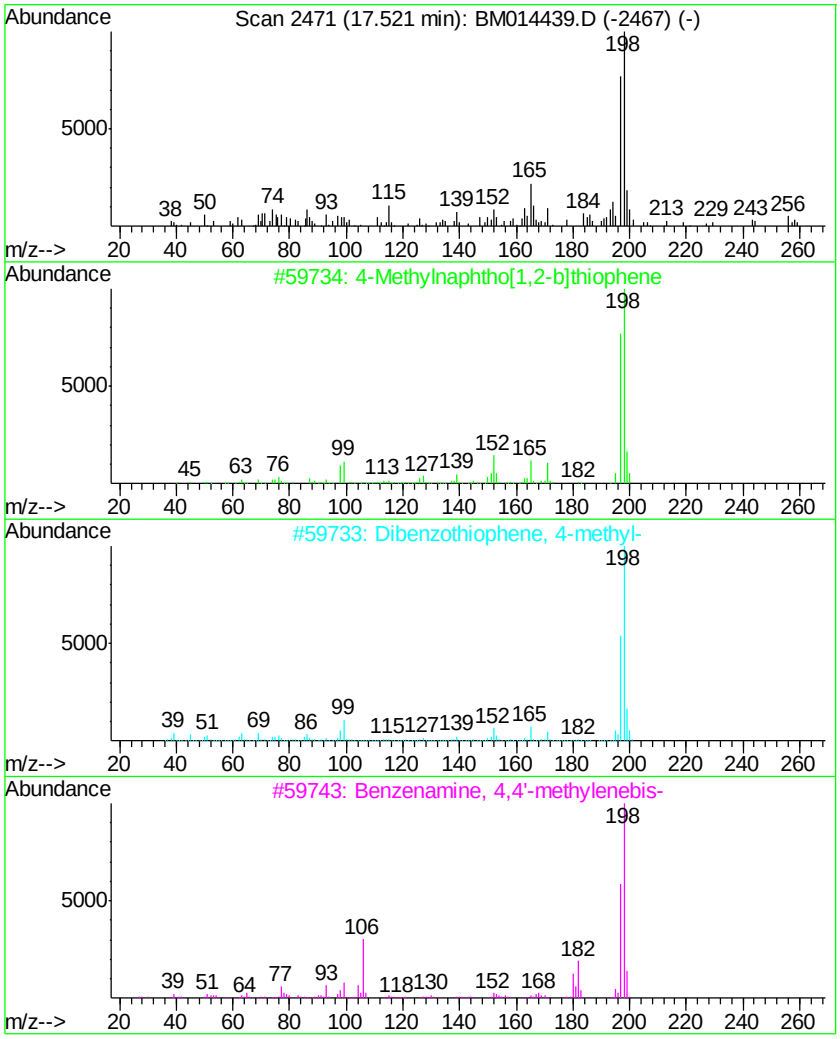
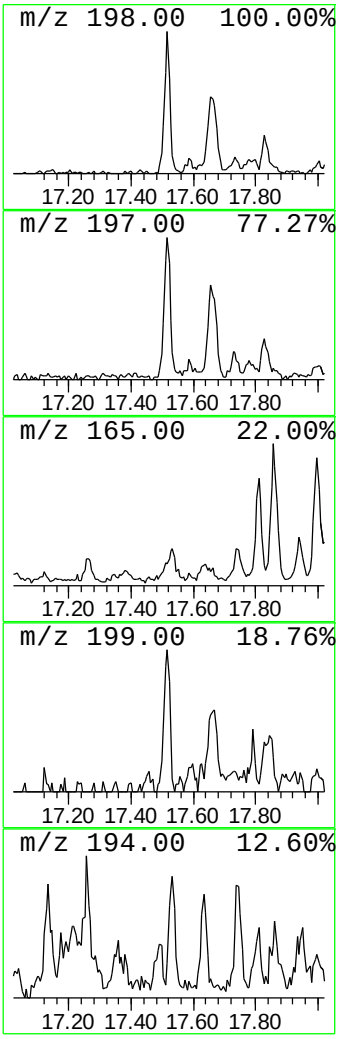
Peak Number 7 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.52	3.80 ng/ul	232168	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	93
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	87
3	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	81
4	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	78
5	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	76





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ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X1

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Quant Title : SVOA CALIBRATION

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

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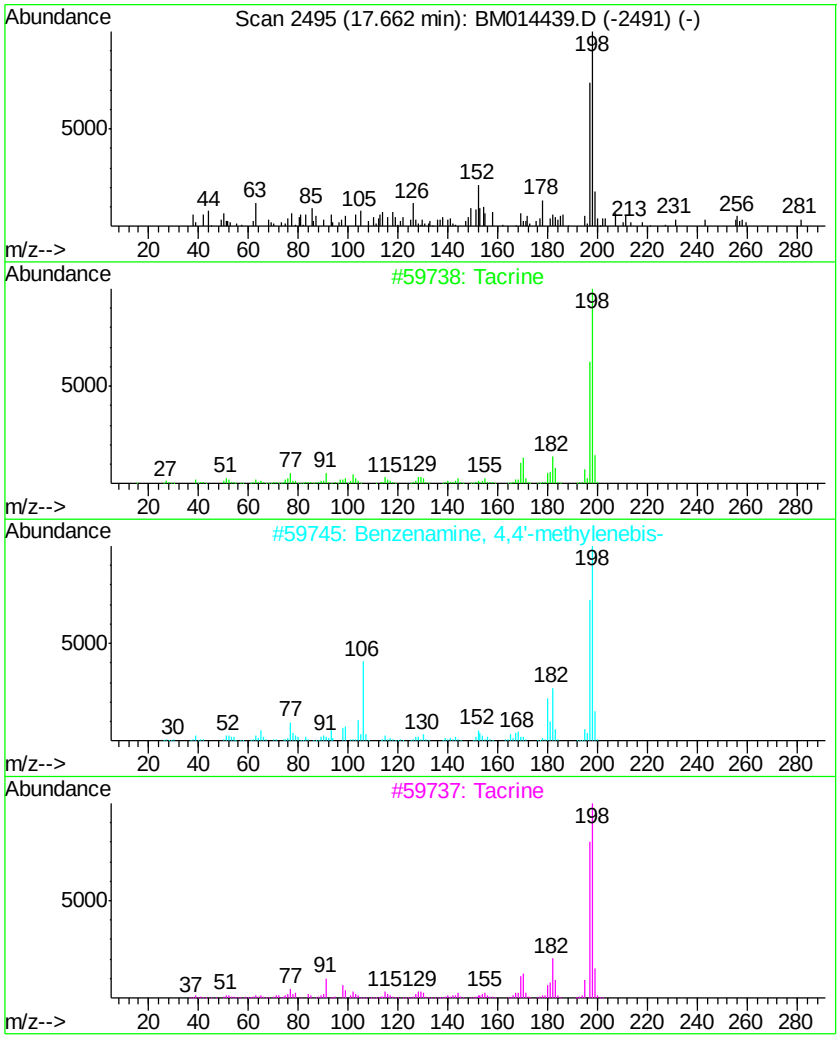
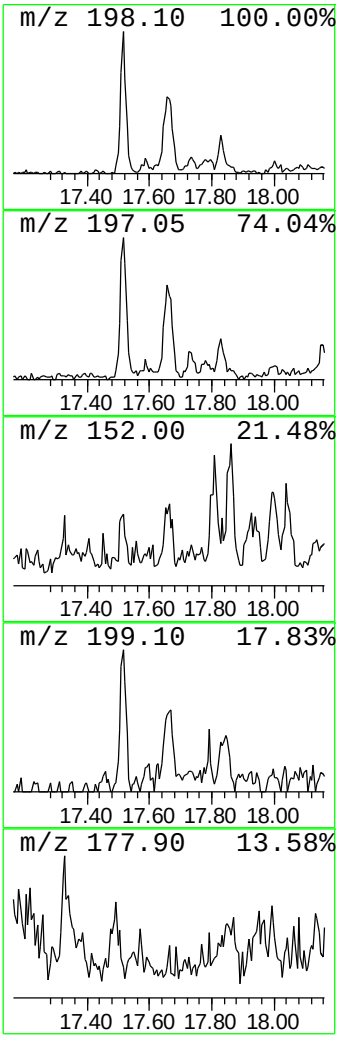
Peak Number 8 Tacrine Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.66	2.15 ng/ul	131297	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tacrine	198	C13H14N2	000321-64-2	83
2	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	80
3	Tacrine	198	C13H14N2	000321-64-2	80
4	Tacrine	198	C13H14N2	000321-64-2	80
5	Tacrine	198	C13H14N2	000321-64-2	80





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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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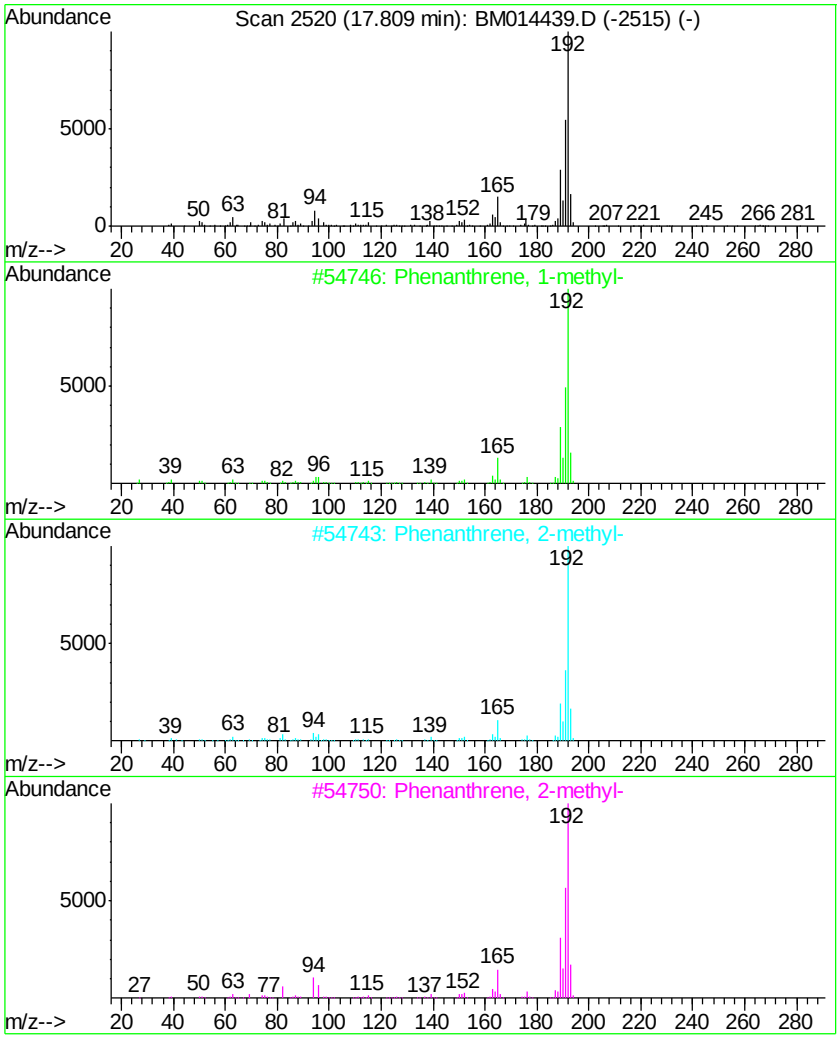
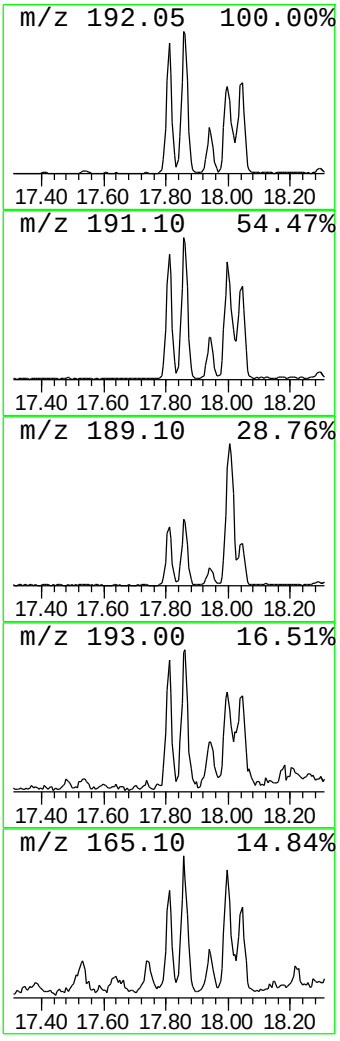
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.81	13.24 ng/ul	807618	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





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Instrument : BNA_M
ClientSampleId : BE5X1

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Quant Title : SVOA CALIBRATION

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

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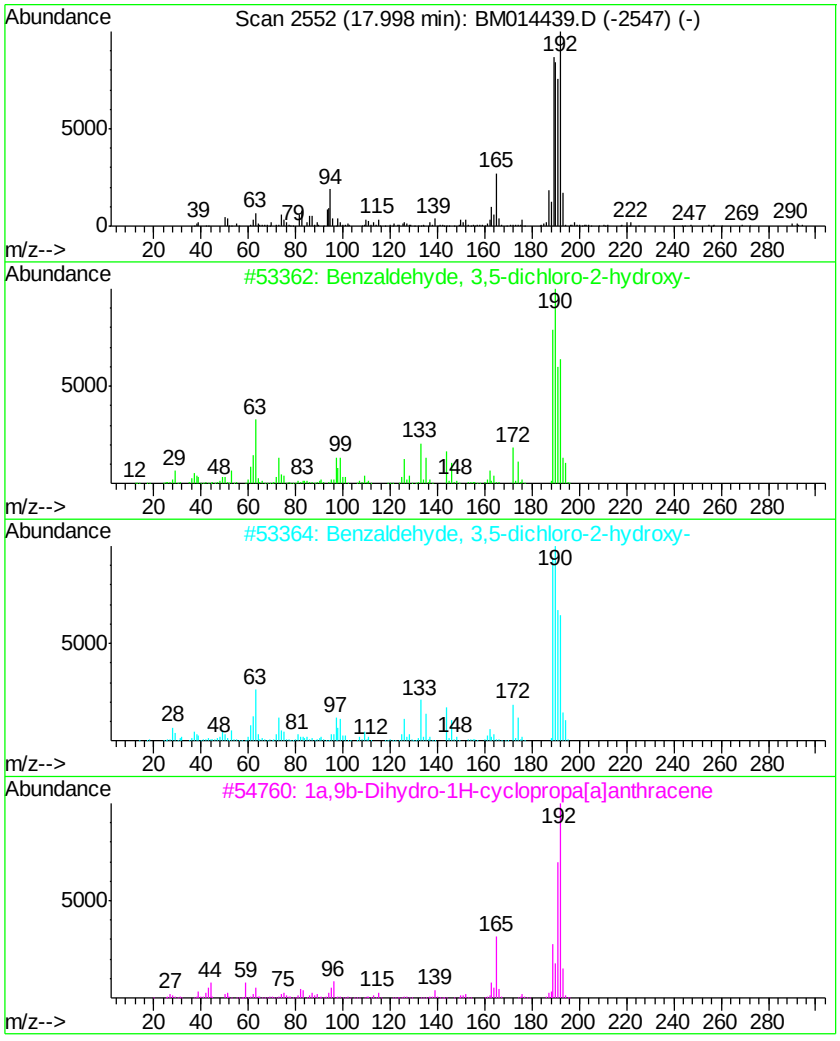
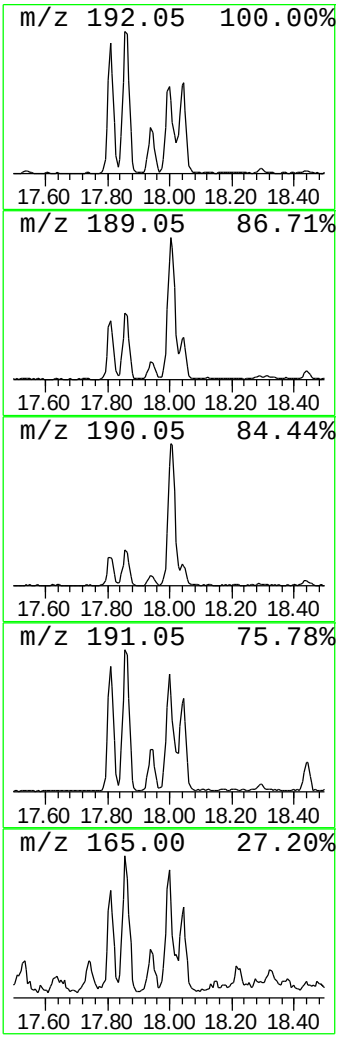
Peak Number 11 Benzaldehyde, 3,5-dichloro-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	22.27 ng/ul	1359010	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	53
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	53
3	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	50
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
5	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	46





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Quant Title : SVOA CALIBRATION

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

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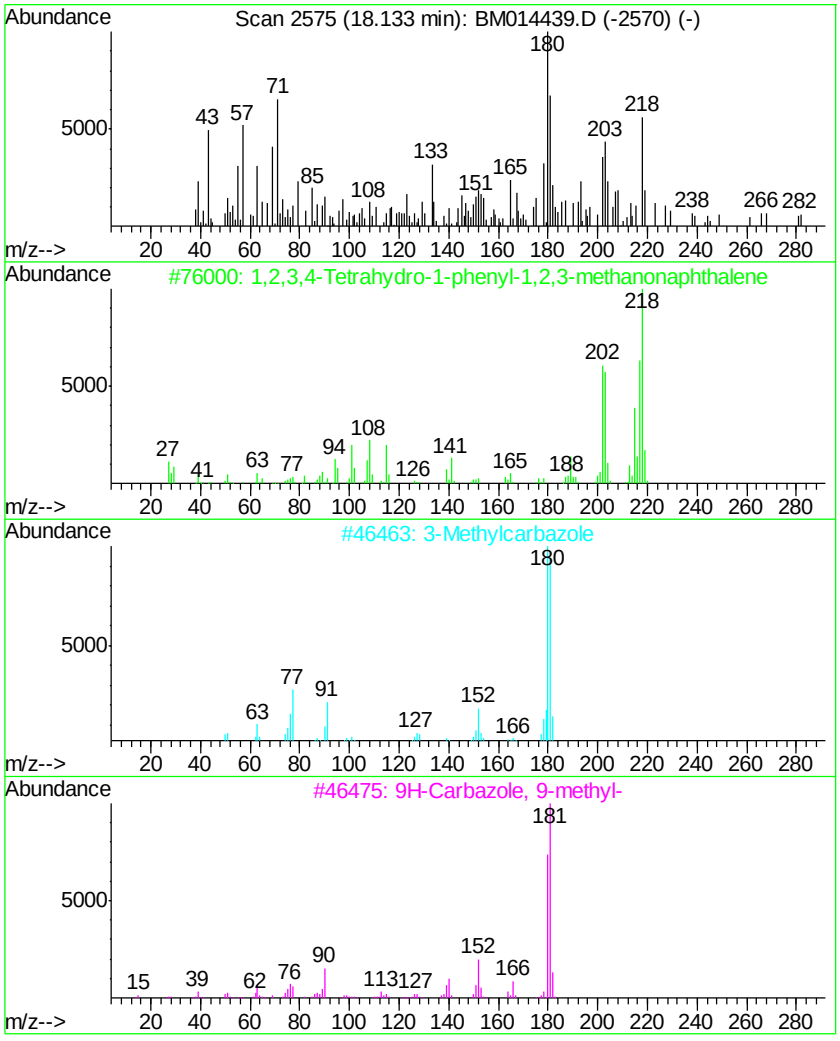
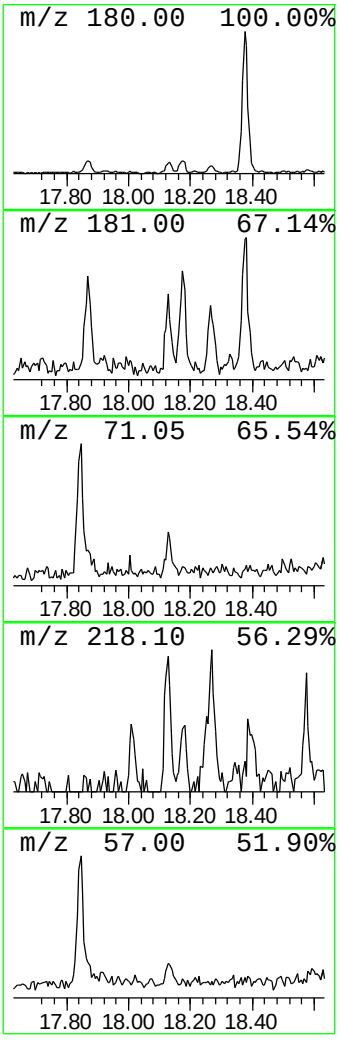
Peak Number 13 unknown-01 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	2.53 ng/ul	154247	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,3,4-Tetrahydro-1-phenyl-1,2,...	218	C17H14	138089-69-7	47
2	3-Methylcarbazole	181	C13H11N	004630-20-0	30
3	9H-Carbazole, 9-methyl-	181	C13H11N	001484-12-4	30
4	9H-Carbazole, 9-methyl-	181	C13H11N	001484-12-4	25
5	3-Methylcarbazole	181	C13H11N	004630-20-0	25





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Misc :
ALS Vial : 3 Sample Multiplier: 1

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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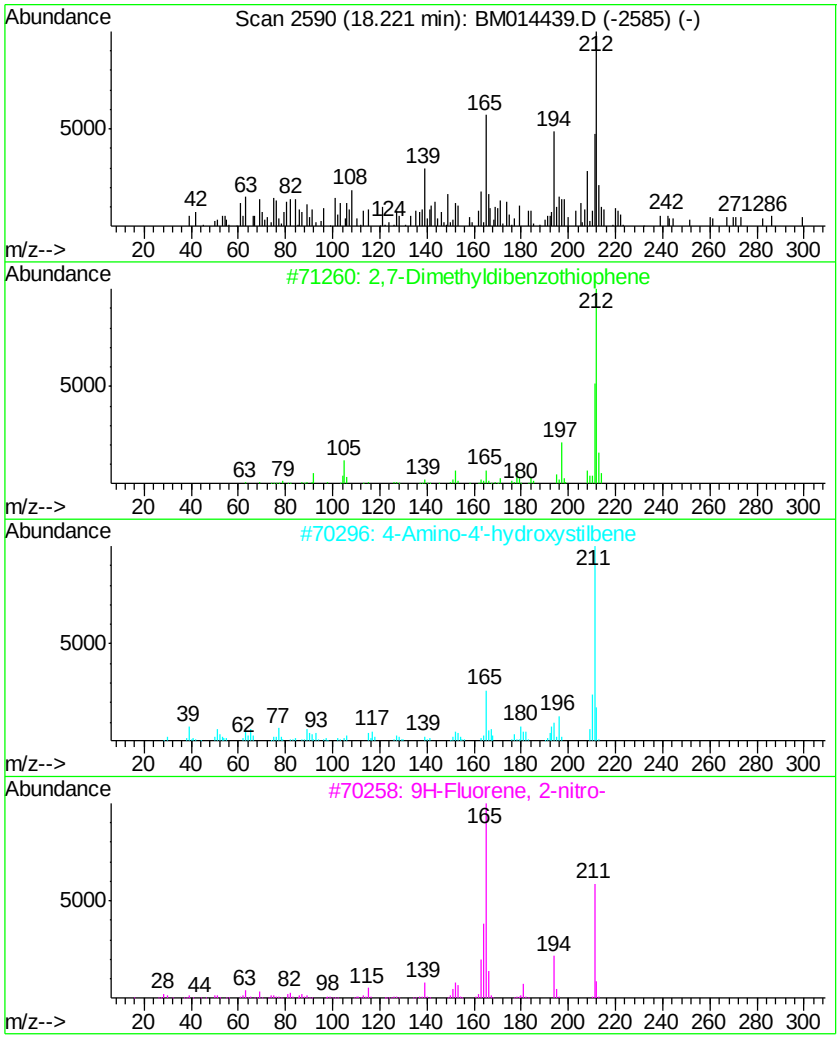
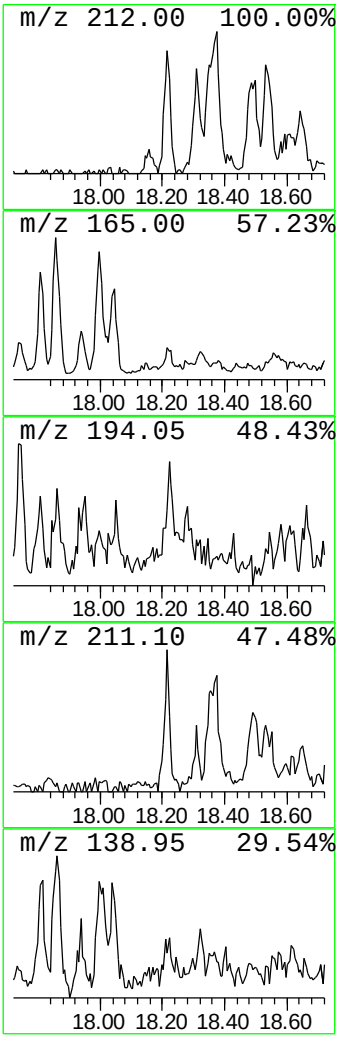
Peak Number 14 2,7-Dimethyldibenzothiophene Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.22	2.10 ng/ul	128362	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,7-Dimethyldibenzothiophene	212	C14H12S	031317-19-8	58
2	4-Amino-4'-hydroxystilbene	211	C14H13NO	000836-44-2	50
3	9H-Fluorene, 2-nitro-	211	C13H9NO2	000607-57-8	49
4	2-(2-Methylphenyl)benzoic acid	212	C14H12O2	1000305-27-9	38
5	1,7-Dimethyldibenzothiophene	212	C14H12S	089816-53-5	38





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Quant Title : SVOA CALIBRATION

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

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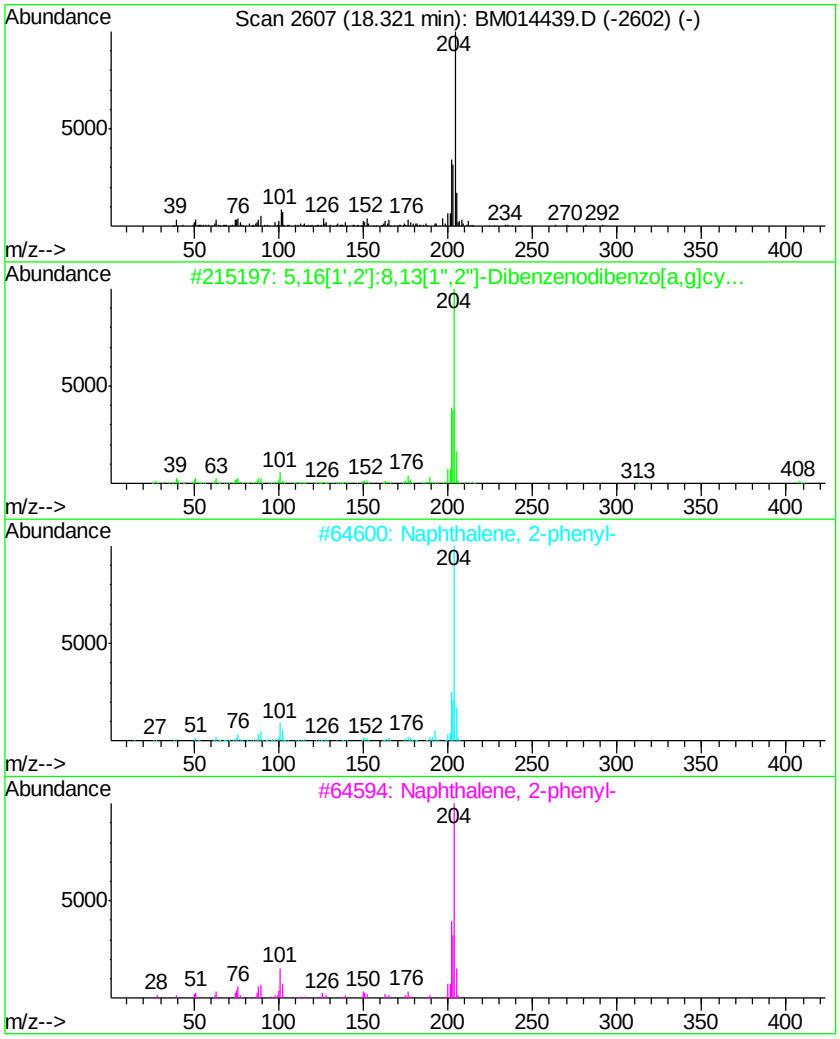
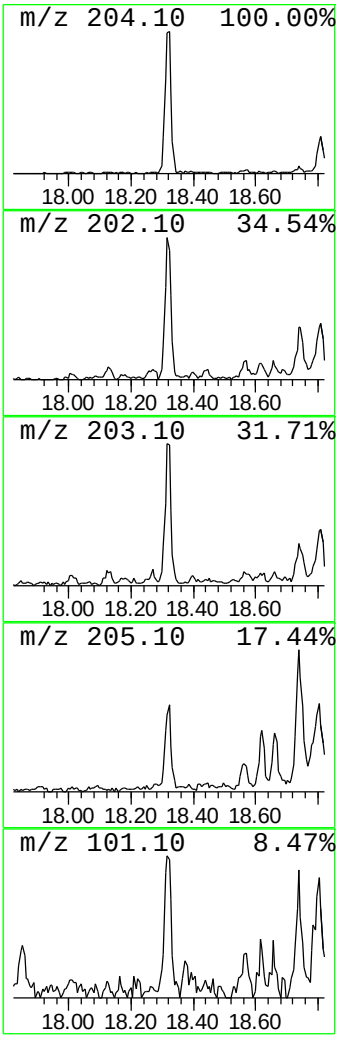
Peak Number 15 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	7.25 ng/ul	442471	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	91
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	62





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Quant Title : SVOA CALIBRATION

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

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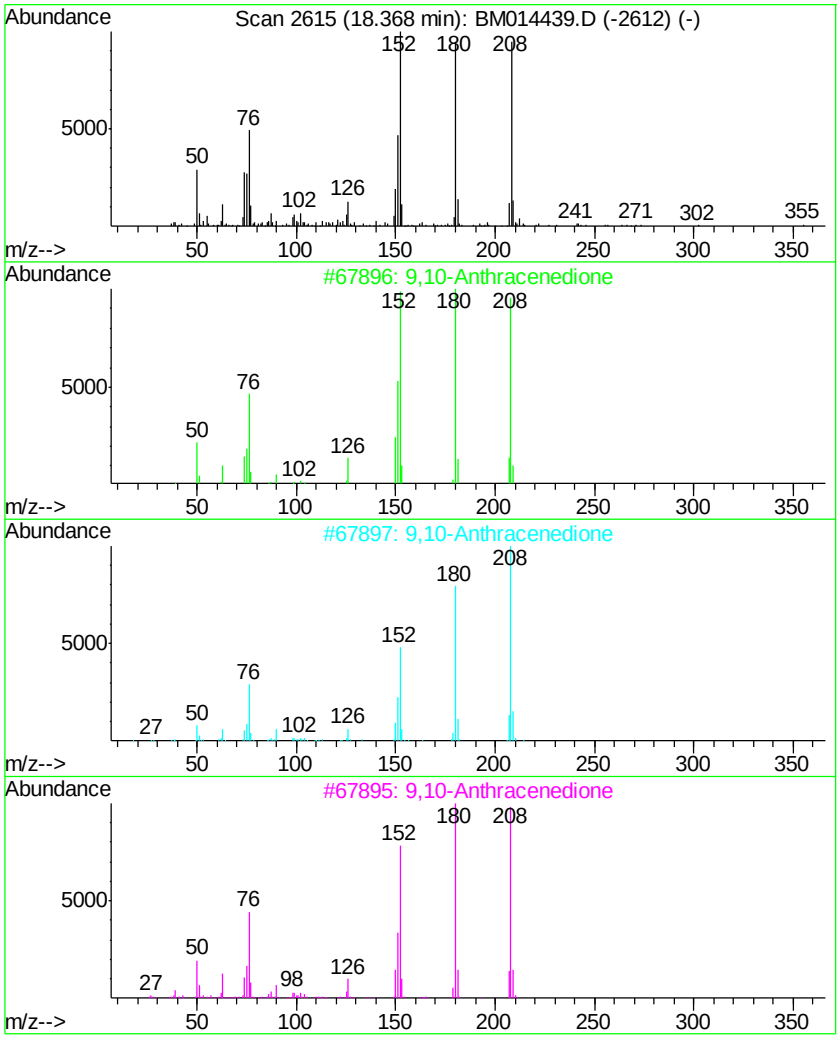
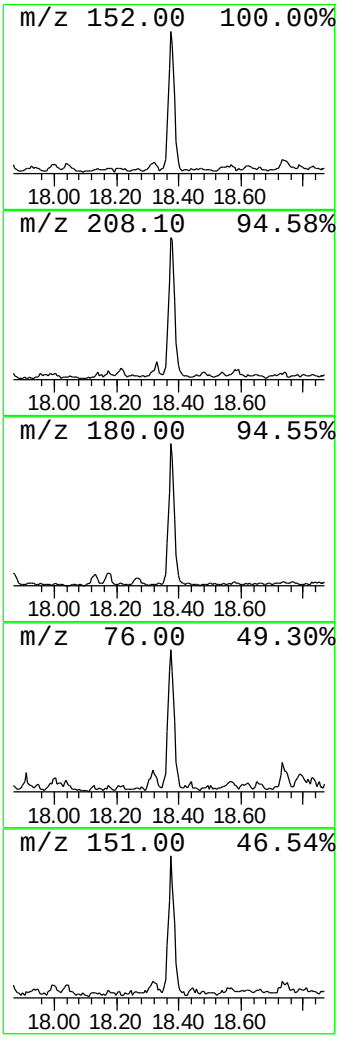
Peak Number 16 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	12.78 ng/ul	779974	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	80
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	78
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78





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Quant Title : SVOA CALIBRATION

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

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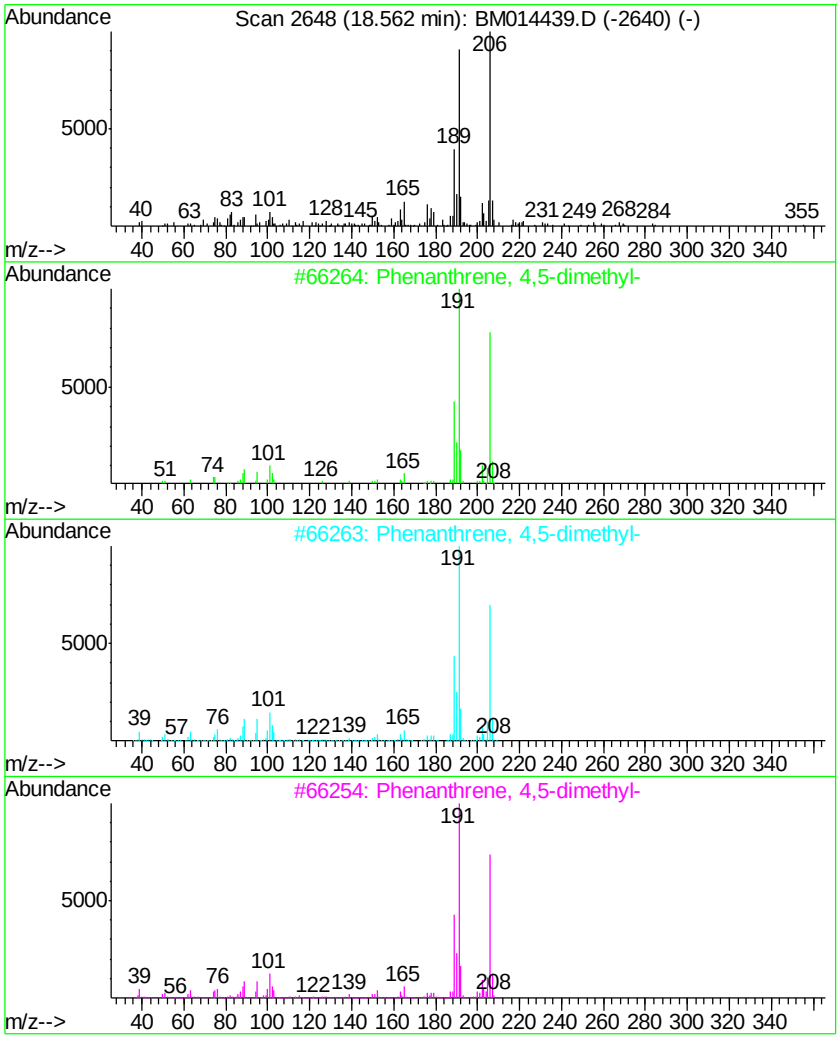
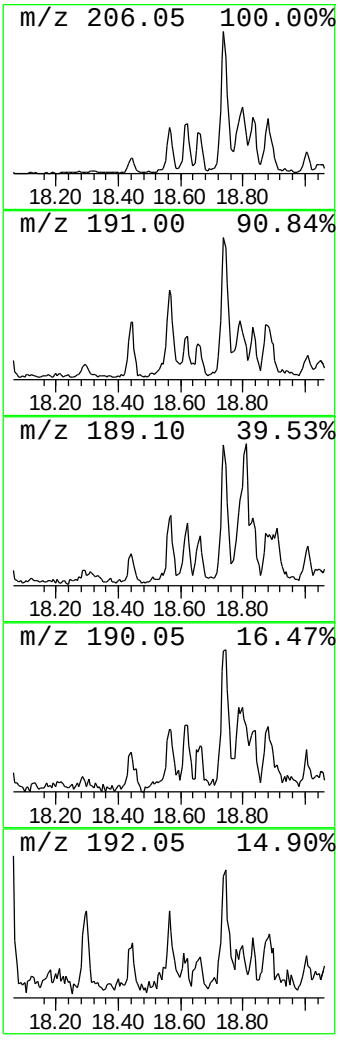
Peak Number 17 Phenanthrene, 4,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	6.75 ng/ul	411771	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90
4	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	90
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87





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Quant Title : SVOA CALIBRATION

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

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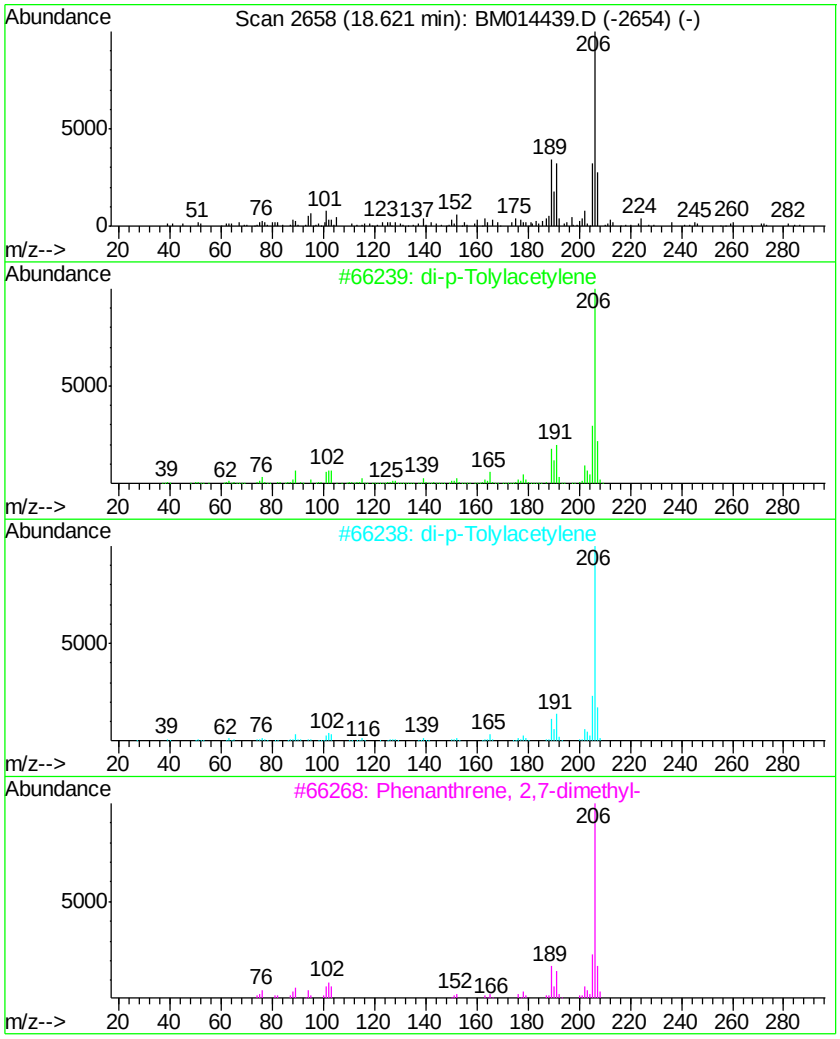
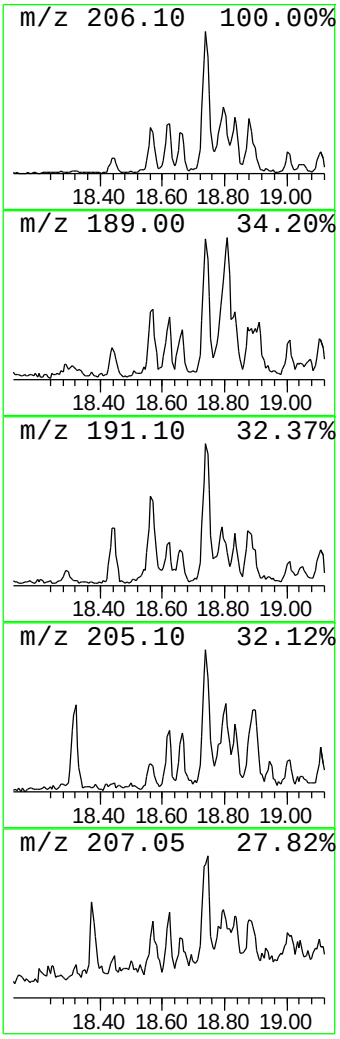
Peak Number 18 di-p-Tolylacetylene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	4.04 ng/ul	246298	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	86
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	86
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	80
4	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	72
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	72





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

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

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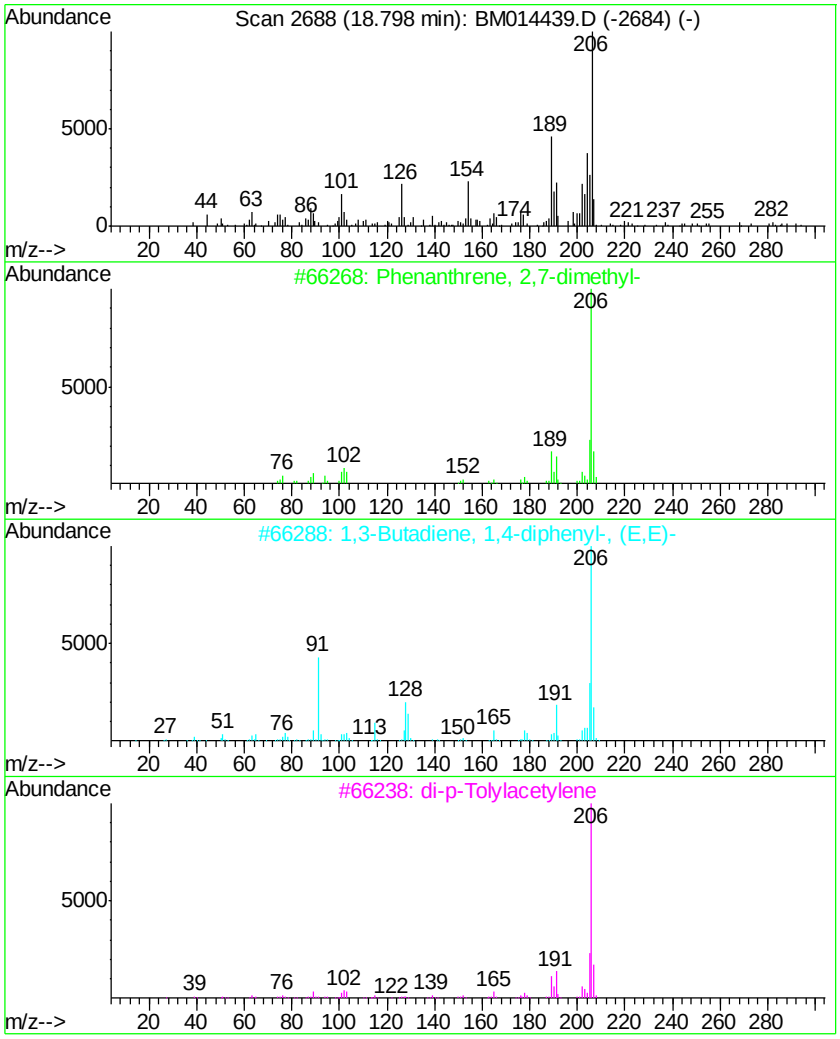
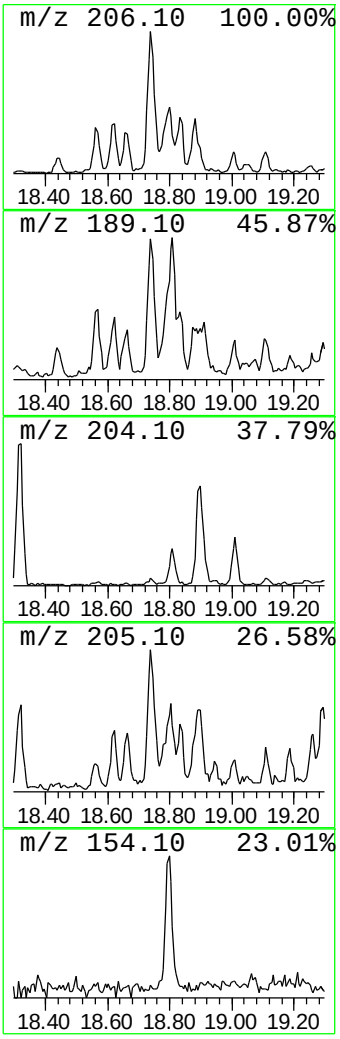
Peak Number 21 unknown-02 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.80	7.75 ng/ul	472652	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	49
2	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	46
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	46
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	43
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	43





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Quant Title : SVOA CALIBRATION

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

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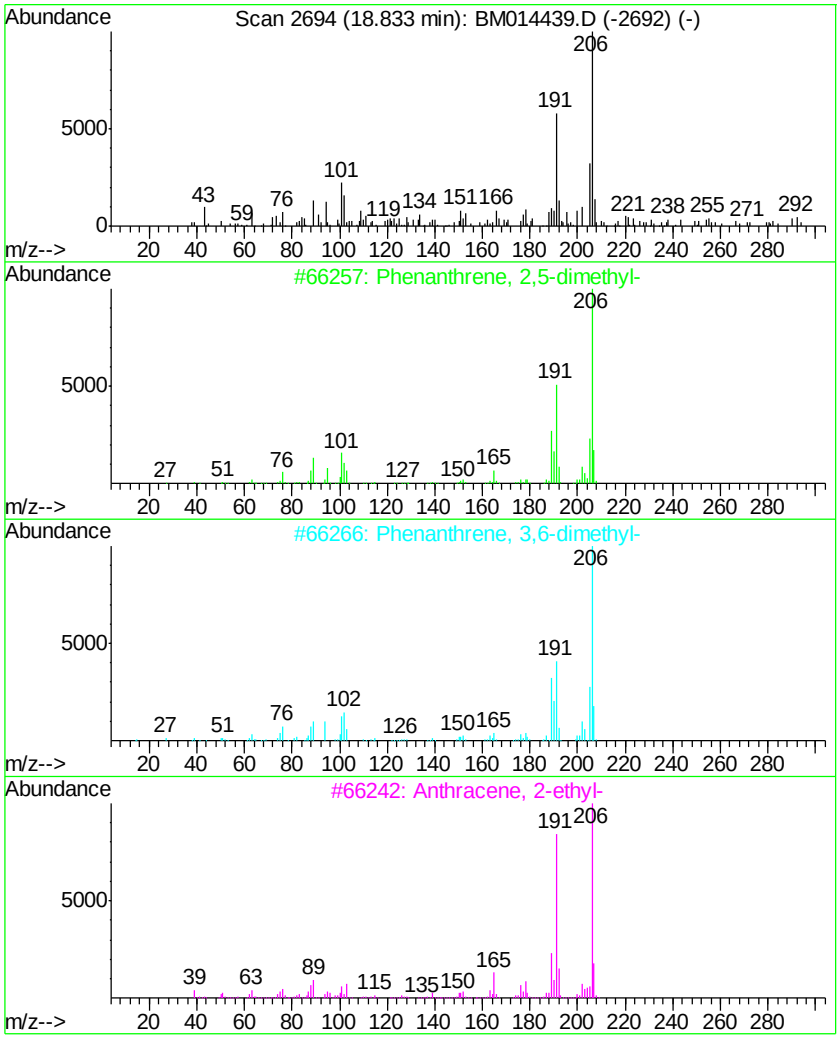
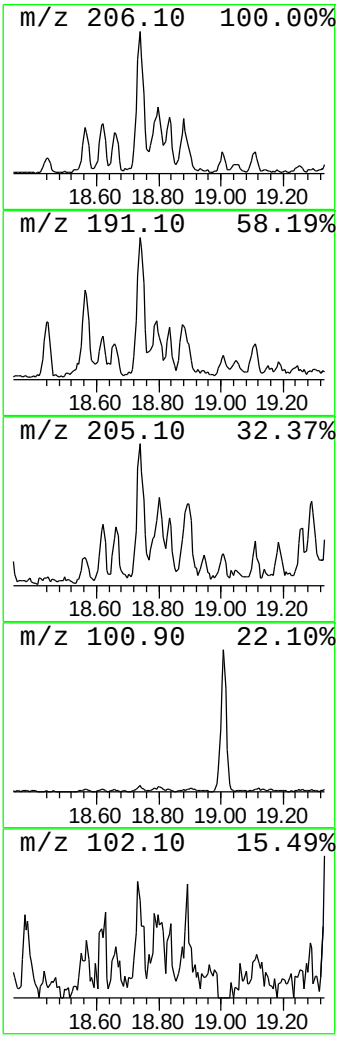
Peak Number 22 Phenanthrene, 2,5-dimethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	2.39 ng/ul	146008	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	80
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	74
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	70
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	68
5	Spiro[2.3]hexane-5-carboxylic ac...	292	C20H20O2	1000154-22-8	58





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Data File : BM014439.D
Acq On : 01 Mar 2018 18:58
Operator : SJ/JU
Sample : J1646-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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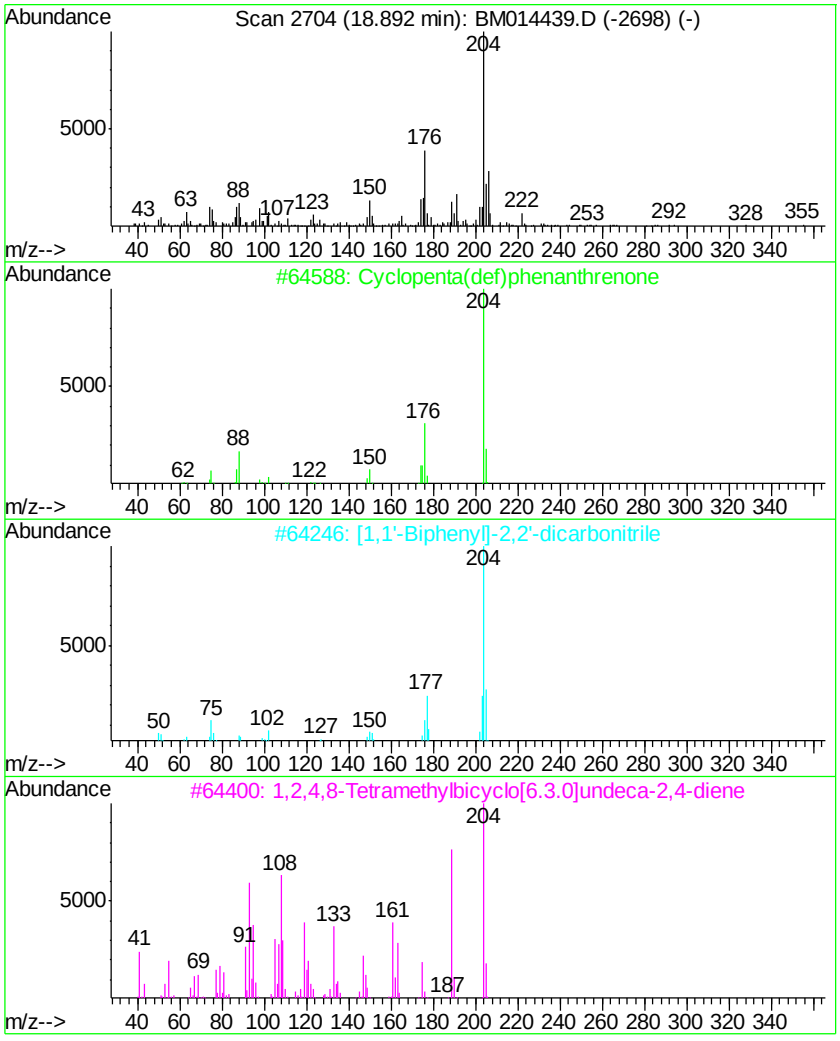
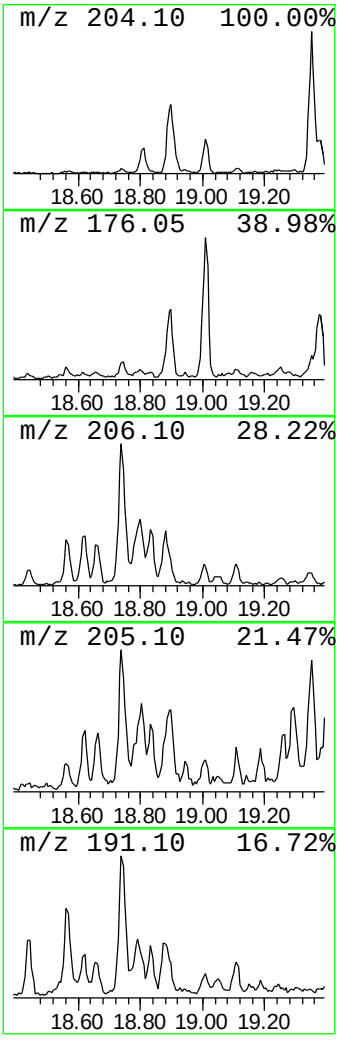
Peak Number 23 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.89	11.39 ng/ul	694851	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	86
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43





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Data File : BM014439.D
Acq On : 01 Mar 2018 18:58
Operator : SJ/JU
Sample : J1646-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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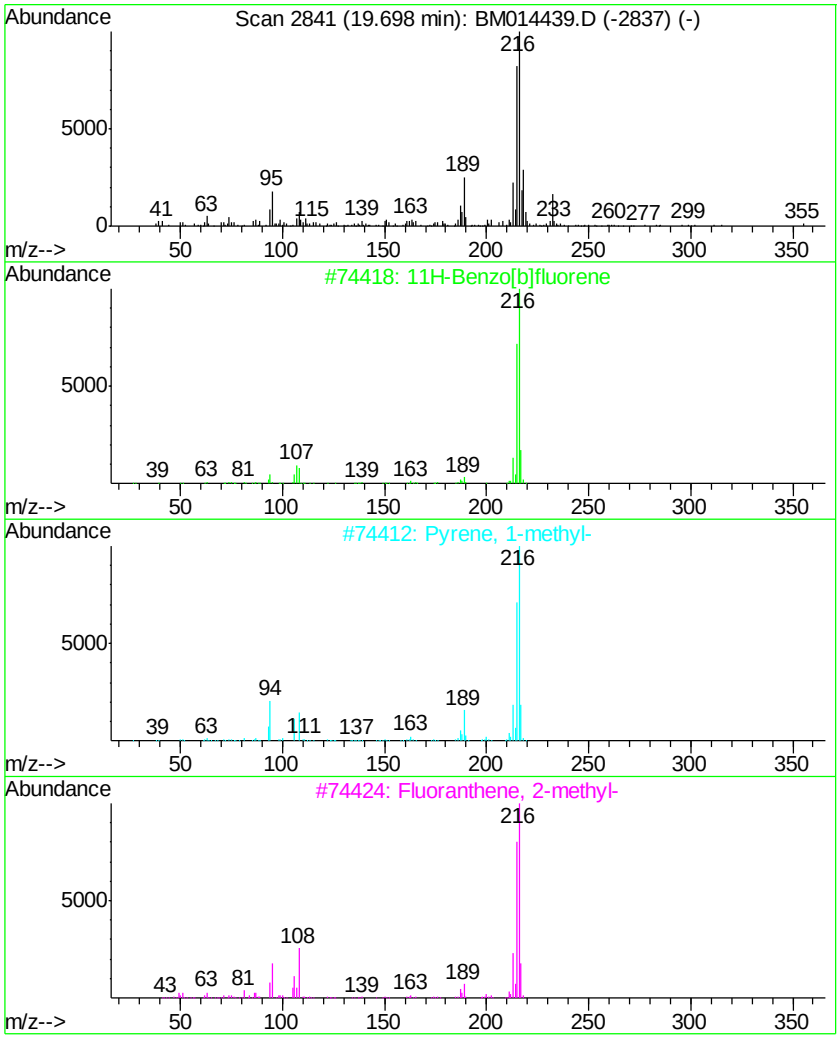
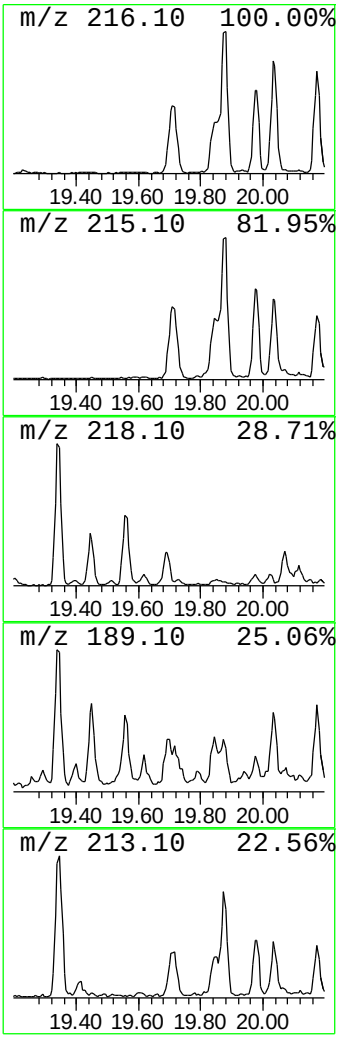
Peak Number 24 11H-Benzo[b]fluorene Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.70	2.45 ng/ul	878813	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	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	80
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74





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Data File : BM014439.D
Acq On : 01 Mar 2018 18:58
Operator : SJ/JU
Sample : J1646-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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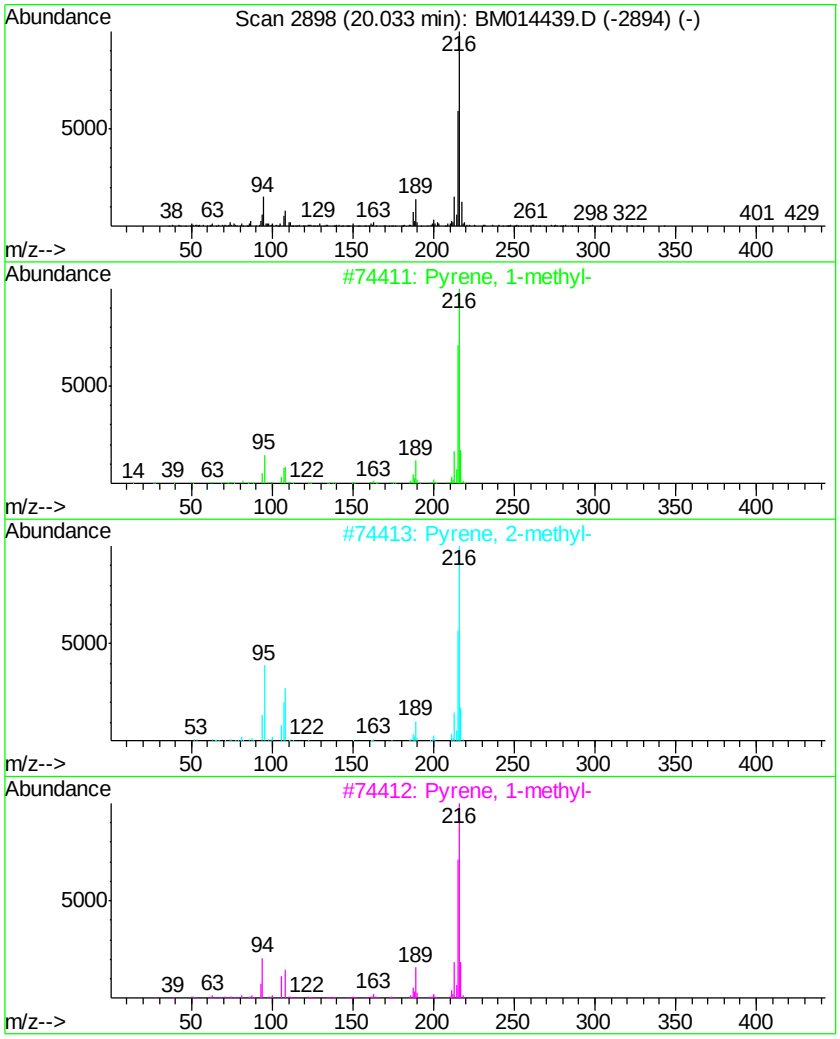
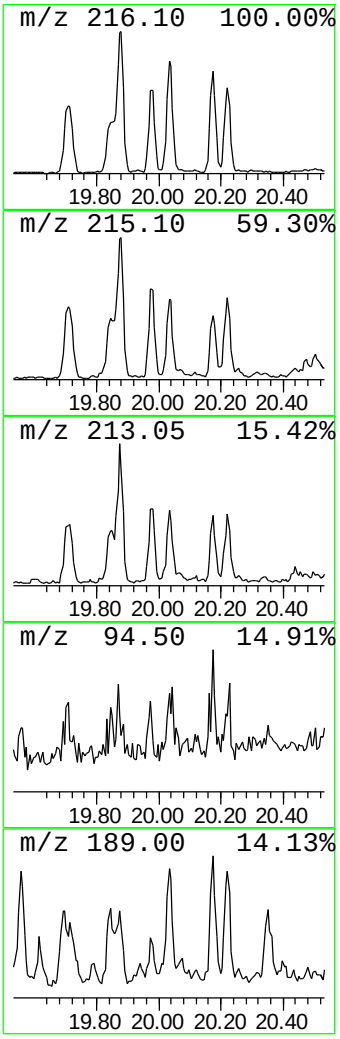
Peak Number 26 Pyrene, 1-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.03	2.37 ng/ul	848664	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	81
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





Library Search Compound Report

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Operator : SJ/JU
Sample : J1646-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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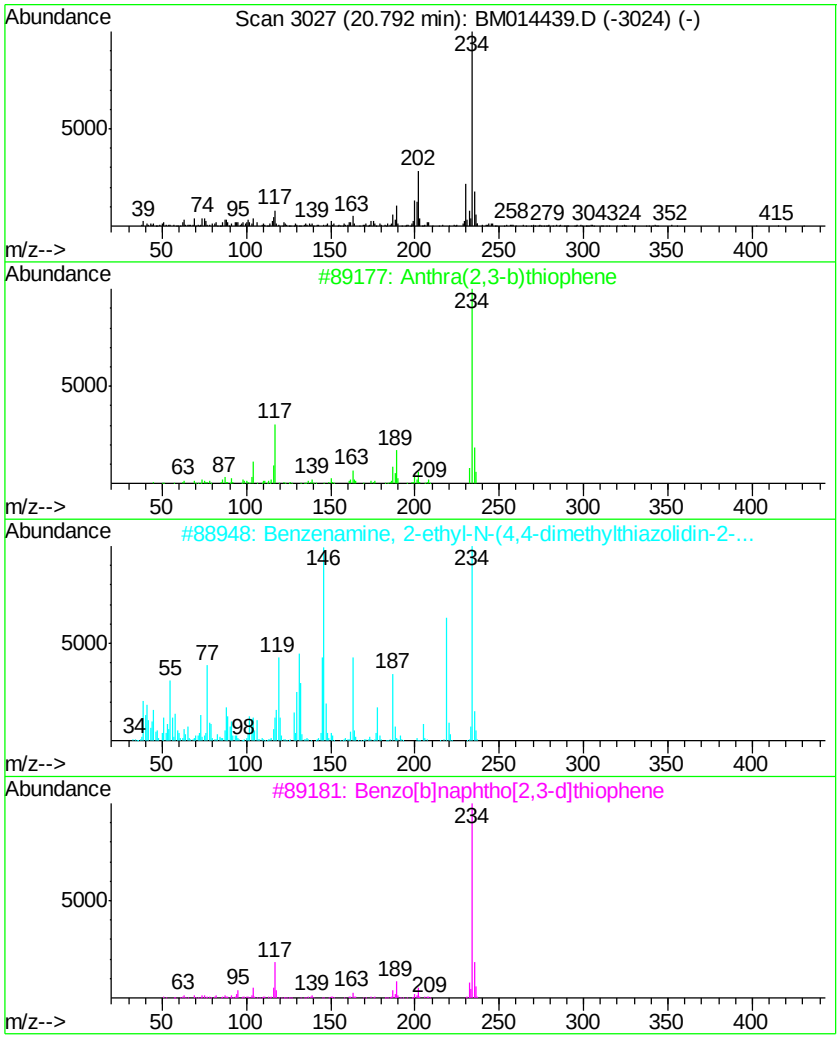
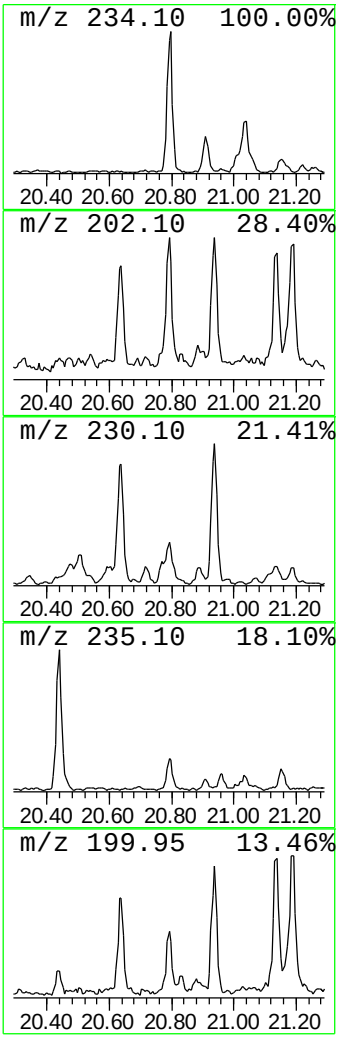
Peak Number 29 Anthra(2,3-b)thiophene Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.79	2.04 ng/ul	729590	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	91
2	Benzenamine, 2-ethyl-N-(4,4-dime...	234	C13H18N2S	1000272-26-2	87
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	86
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	83
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	83





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Acq On : 01 Mar 2018 18:58
Operator : SJ/JU
Sample : J1646-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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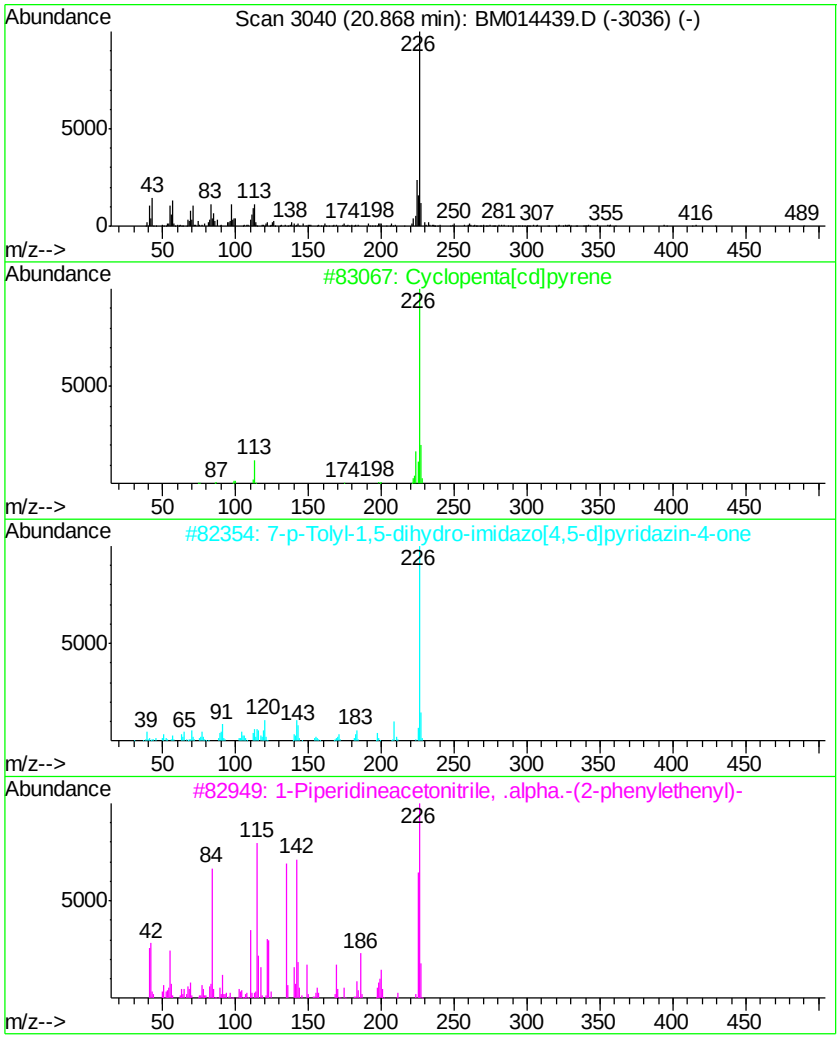
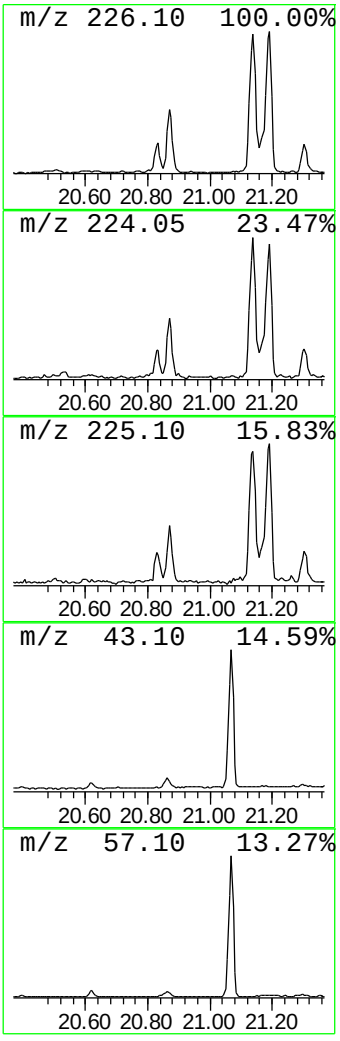
Peak Number 30 Cyclopenta[cd]pyrene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	3.24 ng/ul	1159070	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	52
2	7-p-Tolyl-1,5-dihydro-imidazo[4,...	226	C12H10N4O	1000317-75-5	47
3	1-Piperidineacetonitrile, .alpha...	226	C15H18N2	022915-20-4	43
4	Anthracene, 1,8-diethynyl-	226	C18H10	078053-58-4	38
5	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	38





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Acq On : 01 Mar 2018 18:58
Operator : SJ/JU
Sample : J1646-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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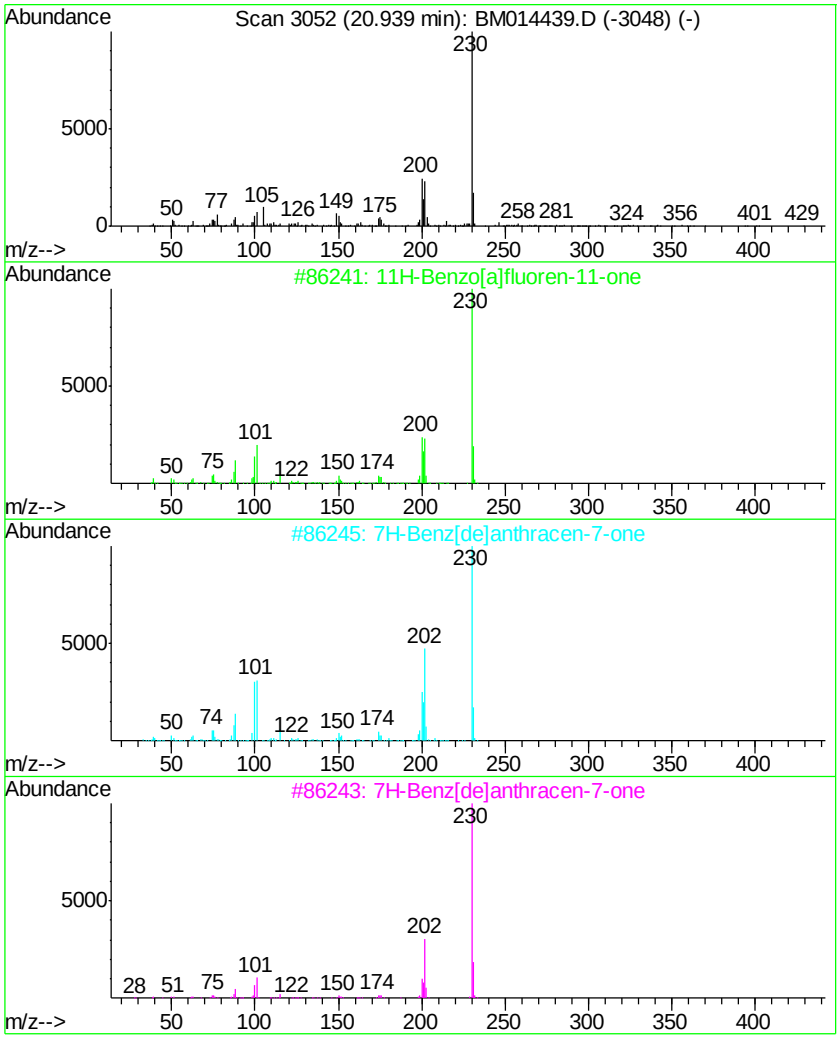
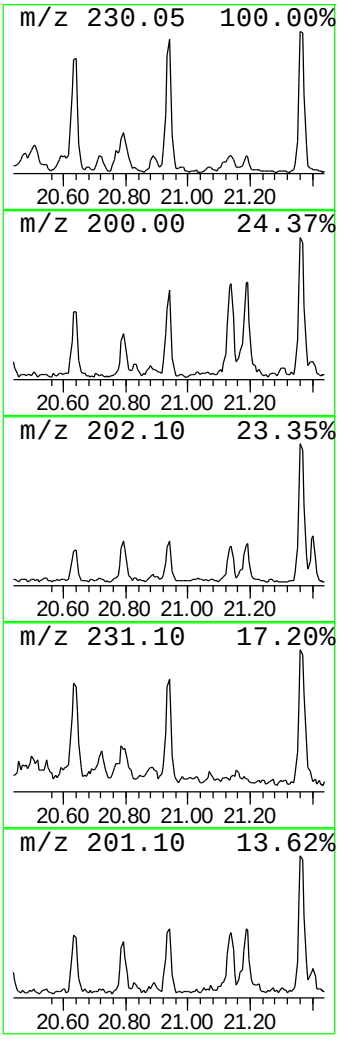
Peak Number 31 11H-Benzo[a]fluoren-11-one Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.94	2.77 ng/ul	993702	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	93
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
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	76
5	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	74





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Acq On : 01 Mar 2018 18:58
Operator : SJ/JU
Sample : J1646-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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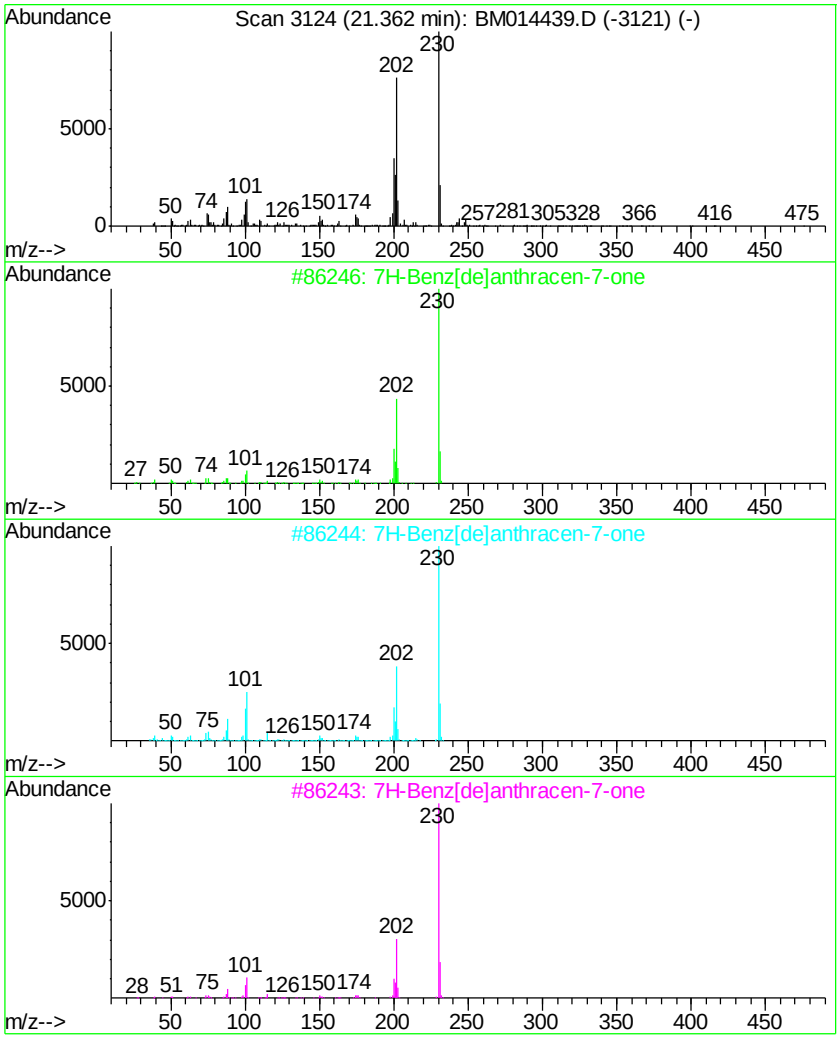
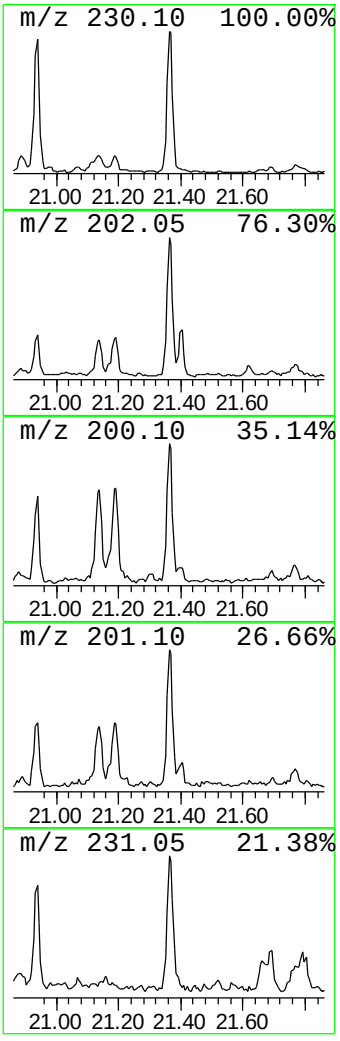
Peak Number 32 7H-Benz[de]anthracen-7-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.36	3.61 ng/ul	1291470	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	95
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	94
4	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	93
5	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	93





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Sample : J1646-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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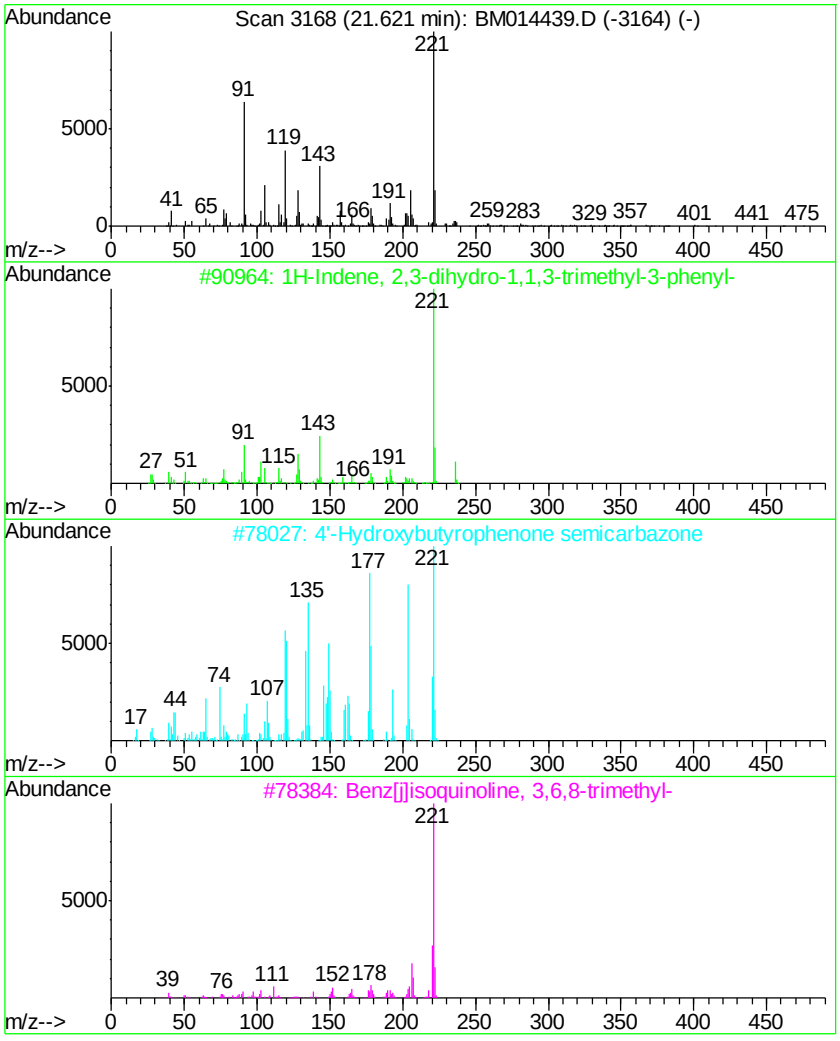
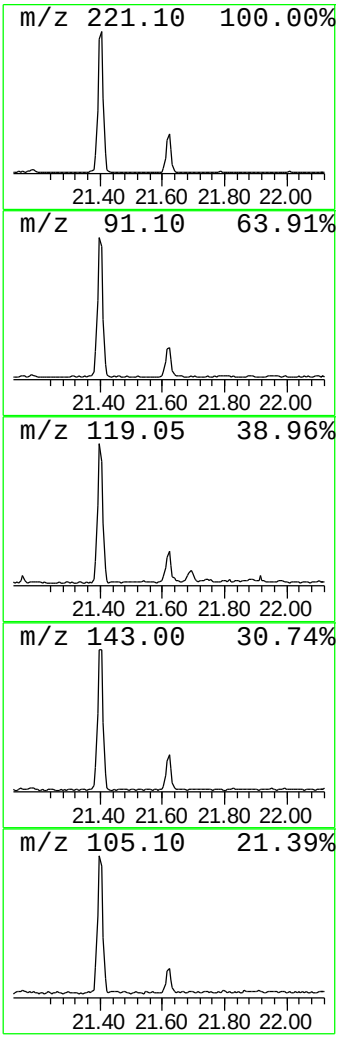
Peak Number 34 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.62	2.75 ng/ul	985570	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,3-tri...	236	C18H20	003910-35-8	62
2	4'-Hydroxybutyrophenone semicarb...	221	C11H15N3O2	1000240-11-4	50
3	Benz[j]isoquinoline, 3,6,8-trime...	221	C16H15N	061171-16-2	46
4	1H-Indene, 2,3-dihydro-1,1,3-tri...	236	C18H20	003910-35-8	45
5	Benzo[h]quinoline, 2,3,4-trimethyl-	221	C16H15N	063042-66-0	43





Library Search Compound Report

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Misc :
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Instrument : BNA_M
ClientSampleId : BE5X1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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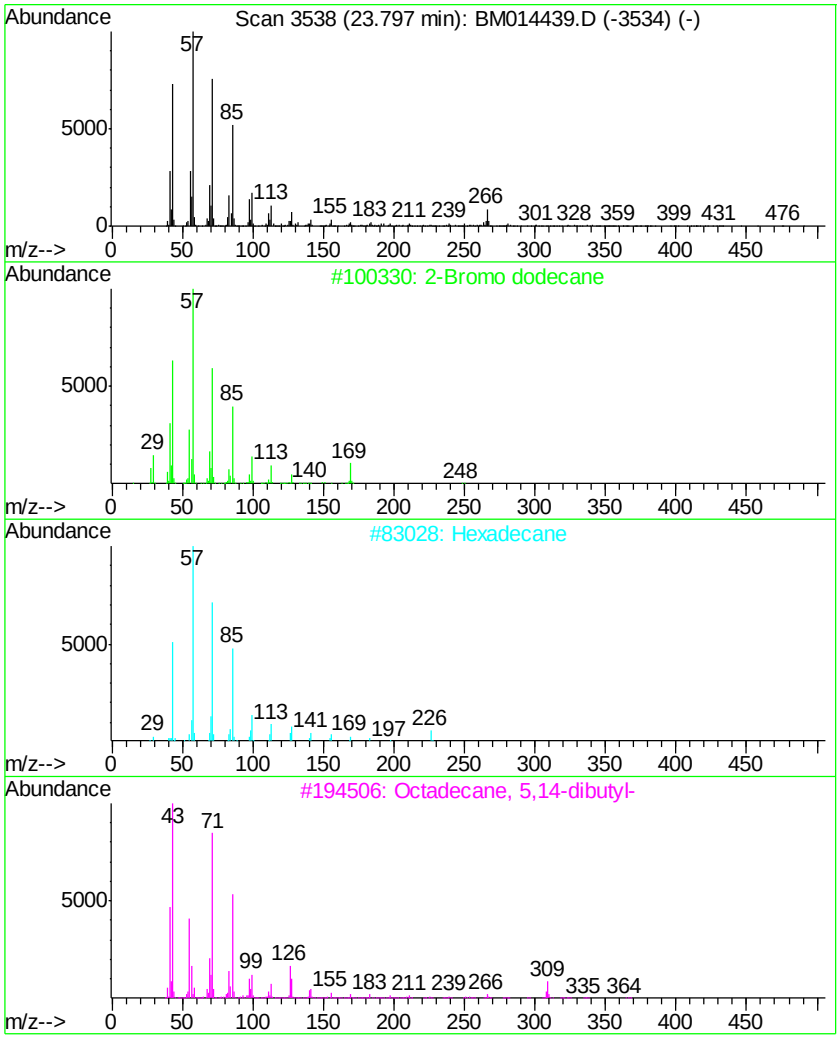
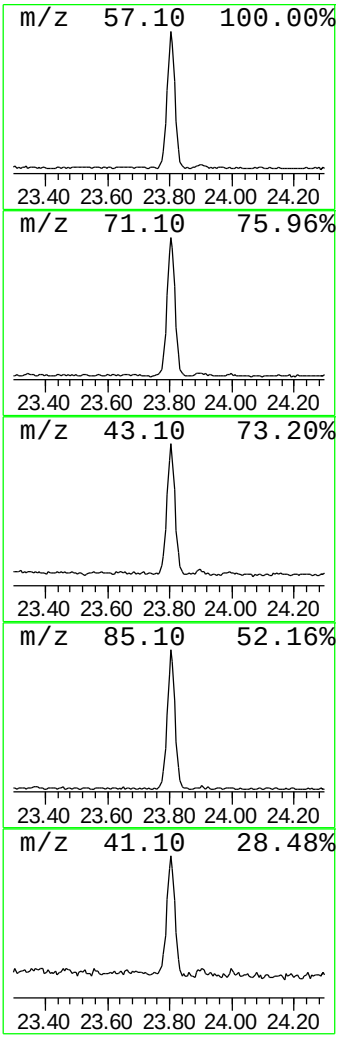
Peak Number 36 2-Bromo dodecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.80	51.23 ng/ul	3449140	Perylene-d12	23.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Bromo dodecane	248	C12H25Br	013187-99-0	93
2	Hexadecane	226	C16H34	000544-76-3	91
3	Octadecane, 5,14-dibutyl-	366	C26H54	055282-13-8	91
4	Hexacosane	366	C26H54	000630-01-3	90
5	Sulfurous acid, butyl dodecyl ester	306	C16H34O3S	1000309-17-9	87





Tentatively Identified Compound (LSC) summary

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Operator : SJ/JU
Sample : J1646-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.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
Benzophenone	15.55	6.3	ng/ul	277964	3	14.17	881508	20.0
Pentacyclo[6.4.0....	16.24	2.8	ng/ul	170631	4	16.93	1220420	20.0
Naphthalene, 1,3,...	16.51	2.1	ng/ul	129920	4	16.93	1220420	20.0
9H-Fluoren-9-one	16.60	2.9	ng/ul	177008	4	16.93	1220420	20.0
Naphtho[1,2-b]thi...	16.75	3.5	ng/ul	212664	4	16.93	1220420	20.0
1H-Benzimidazole,...	17.13	2.2	ng/ul	133054	4	16.93	1220420	20.0
4-Methylnaphtho[1...	17.52	3.8	ng/ul	232168	4	16.93	1220420	20.0
Tacrine	17.66	2.1	ng/ul	131297	4	16.93	1220420	20.0
Phenanthrene, 1-m...	17.81	13.2	ng/ul	807618	4	16.93	1220420	20.0
Benzaldehyde, 3,5...	18.00	22.3	ng/ul	1359010	4	16.93	1220420	20.0
unknown-01	18.13	2.5	ng/ul	154247	4	16.93	1220420	20.0
2,7-Dimethyldiben...	18.22	2.1	ng/ul	128362	4	16.93	1220420	20.0
5,16[1',2']:8,13[...	18.32	7.3	ng/ul	442471	4	16.93	1220420	20.0
9,10-Anthracenedione	18.37	12.8	ng/ul	779974	4	16.93	1220420	20.0
Phenanthrene, 4,5...	18.56	6.8	ng/ul	411771	4	16.93	1220420	20.0
di-p-Tolylacetylene	18.62	4.0	ng/ul	246298	4	16.93	1220420	20.0
unknown-02	18.80	7.8	ng/ul	472652	4	16.93	1220420	20.0
Phenanthrene, 2,5...	18.83	2.4	ng/ul	146008	4	16.93	1220420	20.0
Cyclopenta(def)ph...	18.89	11.4	ng/ul	694851	4	16.93	1220420	20.0
11H-Benzo[b]fluorene	19.70	2.5	ng/ul	878813	5	21.15	7162190	20.0
Pyrene, 1-methyl-	20.03	2.4	ng/ul	848664	5	21.15	7162190	20.0
Anthra(2,3-b)thio...	20.79	2.0	ng/ul	729590	5	21.15	7162190	20.0
Cyclopenta[cd]pyrene	20.87	3.2	ng/ul	1159070	5	21.15	7162190	20.0
11H-Benzo[a]fluor...	20.94	2.8	ng/ul	993702	5	21.15	7162190	20.0
7H-Benz[de]anthra...	21.36	3.6	ng/ul	1291470	5	21.15	7162190	20.0
1H-Indene, 2,3-di...	21.62	2.8	ng/ul	985570	5	21.15	7162190	20.0
2-Bromo dodecane	23.80	51.2	ng/ul	3449140	6	23.33	1346510	20.0