LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014420.D
Acq On : 01 Mar 2018 02:45
Operator : SJ/JU
Sample : J1646-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X3

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	628	634	648	rBV	483780	952698	6.45%	0.571%
2	6.863	654	659	673	rVB	385018	622424	4.21%	0.373%
3	7.051	684	691	705	rBV	579291	993541	6.73%	0.596%
4	7.510	763	769	779	rBV	413580	726730	4.92%	0.436%
5	8.240	886	893	903	rBV	574196	1073979	7.27%	0.644%
6	8.675	960	967	978	rBV	611230	1074365	7.28%	0.644%
7	9.386	1081	1088	1097	rBV	553306	1005092	6.81%	0.603%
8	9.928	1173	1180	1198	rBV	672060	1381796	9.36%	0.829%
9	10.281	1233	1240	1245	rBV	689221	1126475	7.63%	0.676%
10	10.334	1245	1249	1256	rVB2	122882	216911	1.47%	0.130%
11	10.451	1261	1269	1283	rBV	349614	882265	5.97%	0.529%
12	13.486	1780	1785	1791	rBV3	110593	208140	1.41%	0.125%
13	13.598	1798	1804	1808	rBV	1573037	2171534	14.70%	1.303%
14	13.645	1808	1812	1817	rVB	394229	555739	3.76%	0.333%
15	13.863	1839	1849	1866	rBV2	1865344	3089355	20.92%	1.853%
16	14.174	1893	1902	1908	rBV2	1063664	1691971	11.46%	1.015%
17	14.239	1908	1913	1922	rVB	430168	650067	4.40%	0.390%
18	14.439	1942	1947	1961	rBV2	397258	947341	6.41%	0.568%
19	14.580	1966	1971	1977	rVV	348468	536706	3.63%	0.322%
20	15.174	2067	2072	2077	rBV	2210474	3082459	20.87%	1.849%
21	15.233	2077	2082	2093	rVB	487005	875850	5.93%	0.525%
22	15.339	2093	2100	2107	rBV2	643462	1235607	8.37%	0.741%
23	15.527	2127	2132	2139	rVB	194467	336766	2.28%	0.202%
24	15.680	2148	2158	2166	rBV	202265	472569	3.20%	0.283%
25	15.904	2191	2196	2209	rVB4	129533	322449	2.18%	0.193%
26	16.239	2241	2253	2258	rBV3	182989	480554	3.25%	0.288%
27	16.598	2309	2314	2321	rVB	417337	606367	4.11%	0.364%
28	16.686	2321	2329	2334	rVV4	254523	592997	4.02%	0.356%
29	16.751	2335	2340	2350	rVB	383213	634386	4.30%	0.381%
30	16.933	2364	2371	2374	rBV2	1379871	2040605	13.82%	1.224%
31	16.980	2374	2379	2384	rVV	8338363	11082352	75.04%	6.648%
32	17.033	2384	2388	2392	rVV	2516124	3794137	25.69%	2.276%
33	17.068	2392	2394	2399	rVV	1148809	1319281	8.93%	0.791%
34	17.133	2399	2405	2409	rVV4	93909	186507	1.26%	0.112%

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Instrument : BNA_M
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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

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Peak separation: 5

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

35	17.351	2433	2442	2453	rBV2	507050	1091238	7.39%	0.655%
36	17.457	2453	2460	2467	rVV3	192416	423776	2.87%	0.254%
37	17.527	2467	2472	2479	rVB5	137980	345559	2.34%	0.207%
38	17.809	2514	2520	2523	rVV	1032463	1420645	9.62%	0.852%
39	17.857	2523	2528	2536	rVV2	1525319	2658565	18.00%	1.595%
40	17.939	2536	2542	2547	rVV	393280	583958	3.95%	0.350%
41	18.004	2547	2553	2557	rVV3	1178218	2116259	14.33%	1.269%
42	18.045	2557	2560	2569	rVB	726723	1004864	6.80%	0.603%
43	18.127	2569	2574	2578	rBV2	166081	245857	1.66%	0.147%
44	18.315	2602	2606	2611	rBV	695994	994794	6.74%	0.597%
45	18.374	2611	2616	2623	rVB	1009425	1355769	9.18%	0.813%
46	18.568	2641	2649	2654	rBV2	253841	505097	3.42%	0.303%
47	18.615	2654	2657	2661	rVV	222642	286689	1.94%	0.172%
48	18.656	2661	2664	2669	rVB	201451	277536	1.88%	0.166%
49	18.739	2672	2678	2682	rBV2	531770	850255	5.76%	0.510%
50	18.804	2682	2689	2692	rVV5	357776	817292	5.53%	0.490%
51	18.833	2692	2694	2698	rVV	228398	254244	1.72%	0.153%
52	18.892	2698	2704	2710	rVV2	583443	1042209	7.06%	0.625%
53	19.015	2717	2725	2732	rVB	11554416	14767716	100.00%	8.858%
54	19.074	2732	2735	2738	rBV	150351	183930	1.25%	0.110%
55	19.109	2738	2741	2744	rVV3	253255	348922	2.36%	0.209%
56	19.162	2748	2750	2754	rVV	213822	227499	1.54%	0.136%
57	19.227	2756	2761	2762	rVV2	282686	363491	2.46%	0.218%
58	19.251	2763	2765	2769	rVV	366416	441721	2.99%	0.265%
59	19.345	2776	2781	2784	rBV2	4320567	6929395	46.92%	4.157%
60	19.380	2784	2787	2794	rVV	10067176	12220542	82.75%	7.330%
61	19.451	2794	2799	2806	rVB2	494443	796436	5.39%	0.478%
62	19.556	2806	2817	2823	rBV	613874	1022086	6.92%	0.613%
63	19.621	2823	2828	2834	rVB	385578	639819	4.33%	0.384%
64	19.709	2836	2843	2849	rBV3	585000	1461999	9.90%	0.877%
65	19.839	2860	2865	2867	rBV3	534962	862429	5.84%	0.517%
66	19.874	2868	2871	2877	rVB	947824	1362512	9.23%	0.817%
67	19.980	2885	2889	2892	rBV	399782	521242	3.53%	0.313%
68	20.033	2892	2898	2903	rBV2	848460	1465185	9.92%	0.879%
69	20.115	2908	2912	2917	rVB2	187294	247066	1.67%	0.148%
70	20.174	2917	2922	2925	rBV	597161	748637	5.07%	0.449%
71	20.221	2925	2930	2934	rVB2	599122	815082	5.52%	0.489%

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Instrument : BNA_M
ClientSampleId : BE5X3

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

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

72	20.503	2975	2978	2982	rVV2	181491	264000	1.79%	0.158%
73	20.633	2996	3000	3006	rVB	1009496	1265976	8.57%	0.759%
74	20.792	3021	3027	3030	rBV2	910191	1299480	8.80%	0.779%
75	20.827	3030	3033	3036	rVV	819077	1023207	6.93%	0.614%
76	20.868	3036	3040	3047	rVV2	1311993	2192549	14.85%	1.315%
77	20.933	3048	3051	3060	rVB	977257	1382225	9.36%	0.829%
78	21.033	3061	3068	3071	rBV	250944	582896	3.95%	0.350%
79	21.139	3077	3086	3091	rBV2	5323510	10432630	70.64%	6.258%
80	21.192	3091	3095	3104	rVB	4863477	6296332	42.64%	3.777%
81	21.303	3110	3114	3118	rBV	489835	564800	3.82%	0.339%
82	21.368	3121	3125	3127	rBV2	286495	411892	2.79%	0.247%
83	21.474	3137	3143	3146	rVB2	443488	769368	5.21%	0.462%
84	21.509	3147	3149	3153	rVB4	185151	219539	1.49%	0.132%
85	21.639	3168	3171	3174	rBV2	271345	371550	2.52%	0.223%
86	21.692	3175	3180	3184	rVV	893921	1289228	8.73%	0.773%
87	21.745	3185	3189	3195	rVB	471710	813648	5.51%	0.488%
88	21.886	3209	3213	3215	rBV	380296	500900	3.39%	0.300%
89	22.174	3258	3262	3266	rBV4	391490	582593	3.95%	0.349%
90	22.292	3278	3282	3291	rVB2	390978	653896	4.43%	0.392%
91	22.439	3303	3307	3311	rBV4	324779	528269	3.58%	0.317%
92	22.692	3341	3350	3354	rBV	3013606	7213799	48.85%	4.327%
93	22.844	3372	3376	3382	rVB	487440	716027	4.85%	0.430%
94	23.144	3421	3427	3431	rBV	1617263	2903340	19.66%	1.742%
95	23.191	3431	3435	3439	rVV	2116414	3751935	25.41%	2.251%
96	23.239	3439	3443	3450	rVB	2814874	4334206	29.35%	2.600%
97	23.327	3452	3458	3462	rBV	1112067	2054129	13.91%	1.232%
98	23.374	3462	3466	3473	rVB2	702785	1313416	8.89%	0.788%
99	25.485	3818	3825	3836	rVB2	1101163	2832988	19.18%	1.699%
100	26.150	3931	3938	3948	rVB	548881	1474942	9.99%	0.885%

Sum of corrected areas: 166710090

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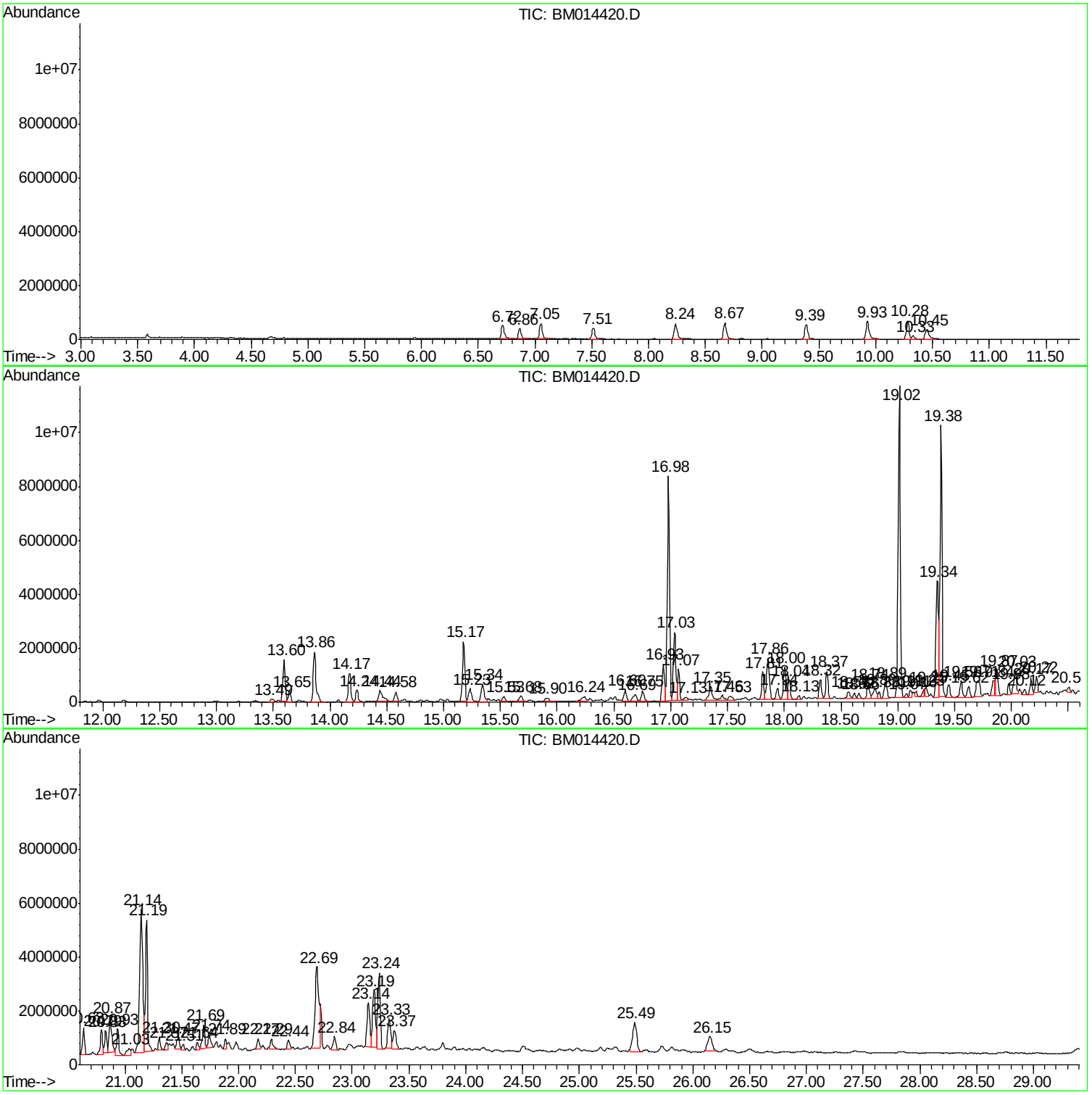
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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



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Quant Title : SVOA CALIBRATION

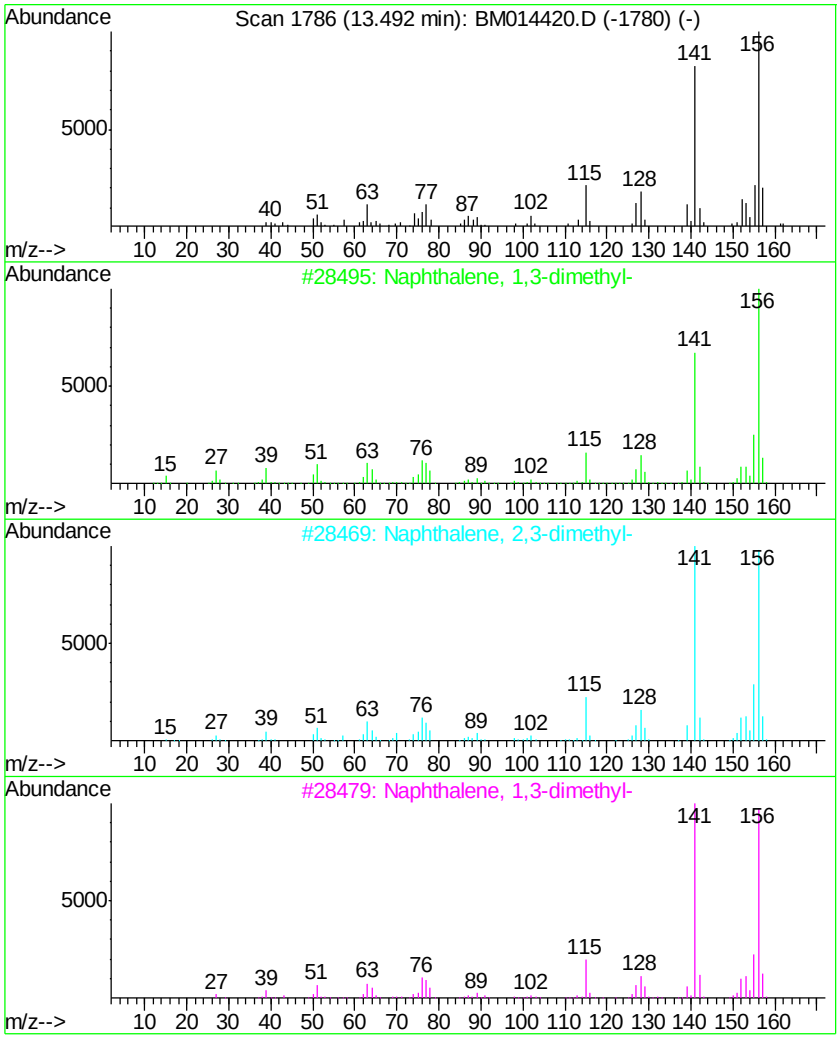
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

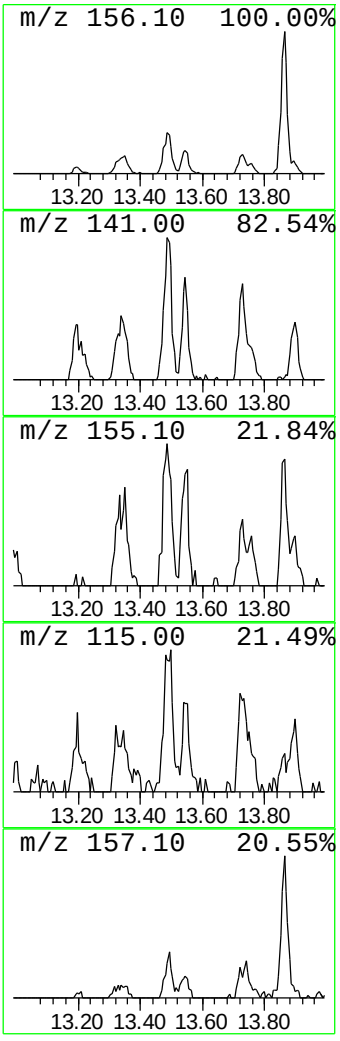
****

Peak Number 1 Naphthalene, 1,3-dimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	2.46 ng/ul	208140	Acenaphthene-d10	14.17

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





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Sample : J1646-09
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ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X3

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

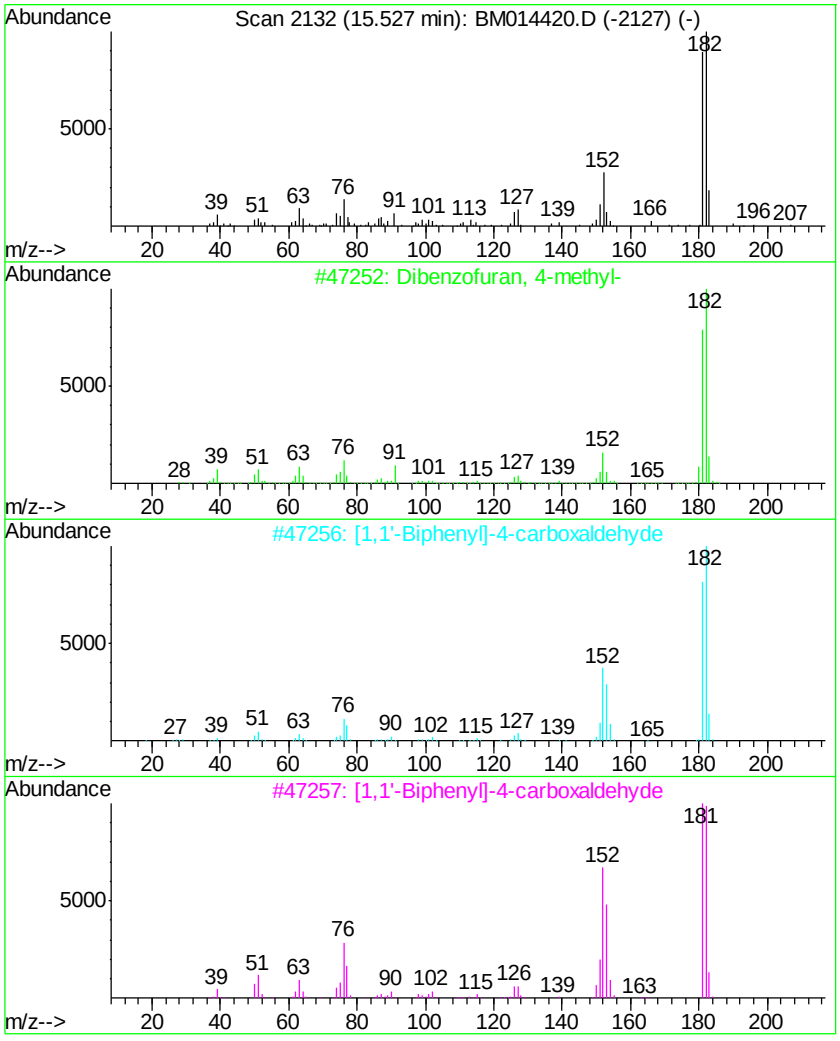
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

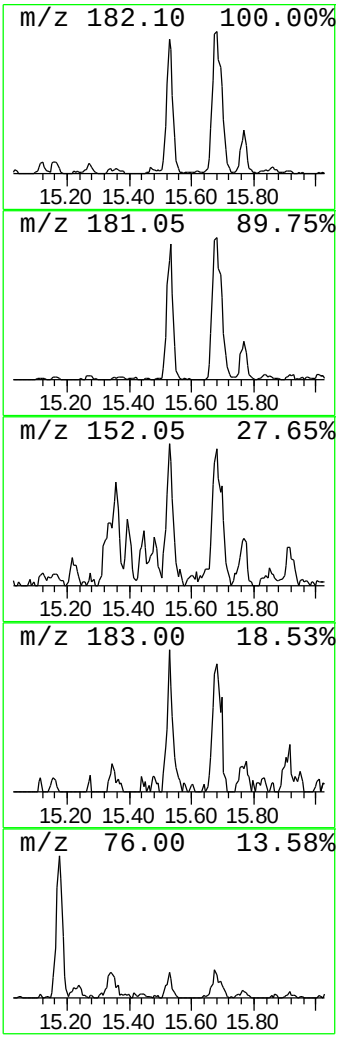
****

Peak Number 2 Dibenzofuran, 4-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	3.98 ng/ul	336766	Acenaphthene-d10	14.17

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	83
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
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

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

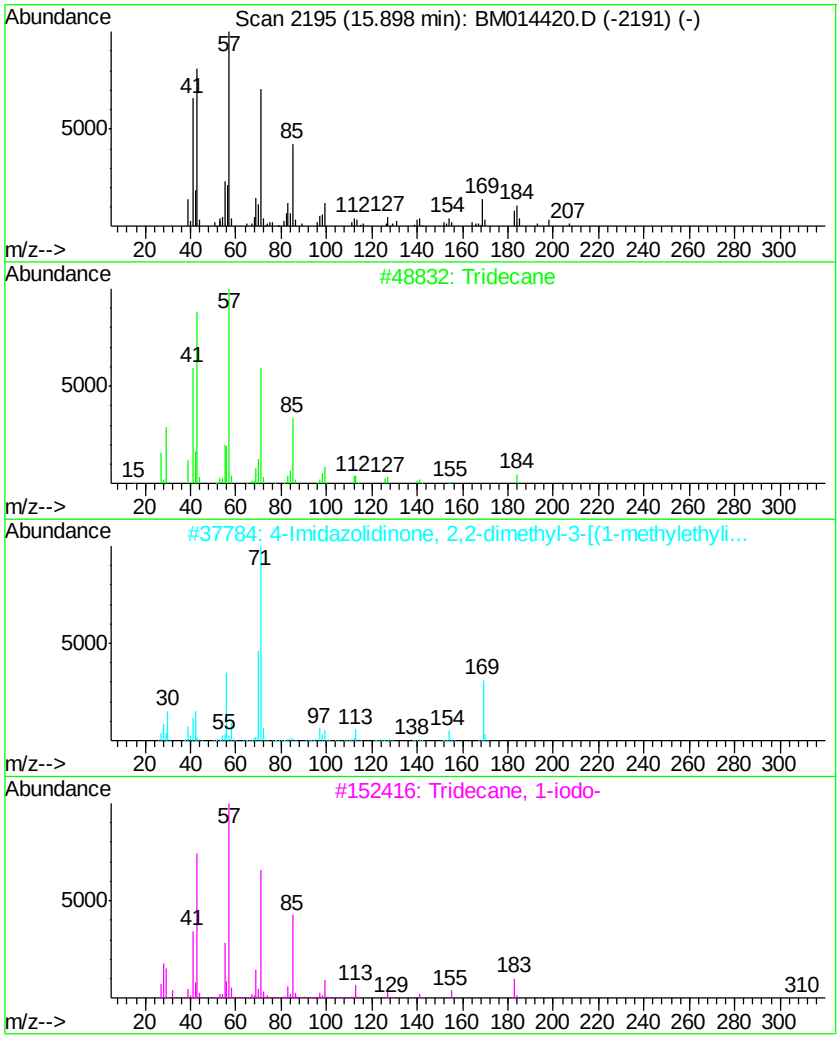
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

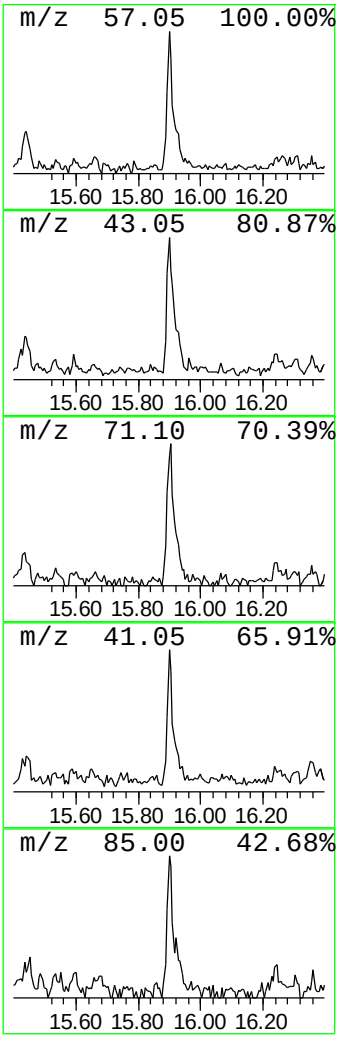
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	3.16 ng/ul	322449	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	64
2	4-Imidazolidinone, 2,2-dimethyl-...	169	C8H15N3O	142071-78-1	49
3	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	49
4	Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	47
5	Sulfurous acid, nonyl 2-propyl e...	250	C12H26O3S	1000309-12-0	43





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Instrument : BNA_M
ClientSampleId : BE5X3

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

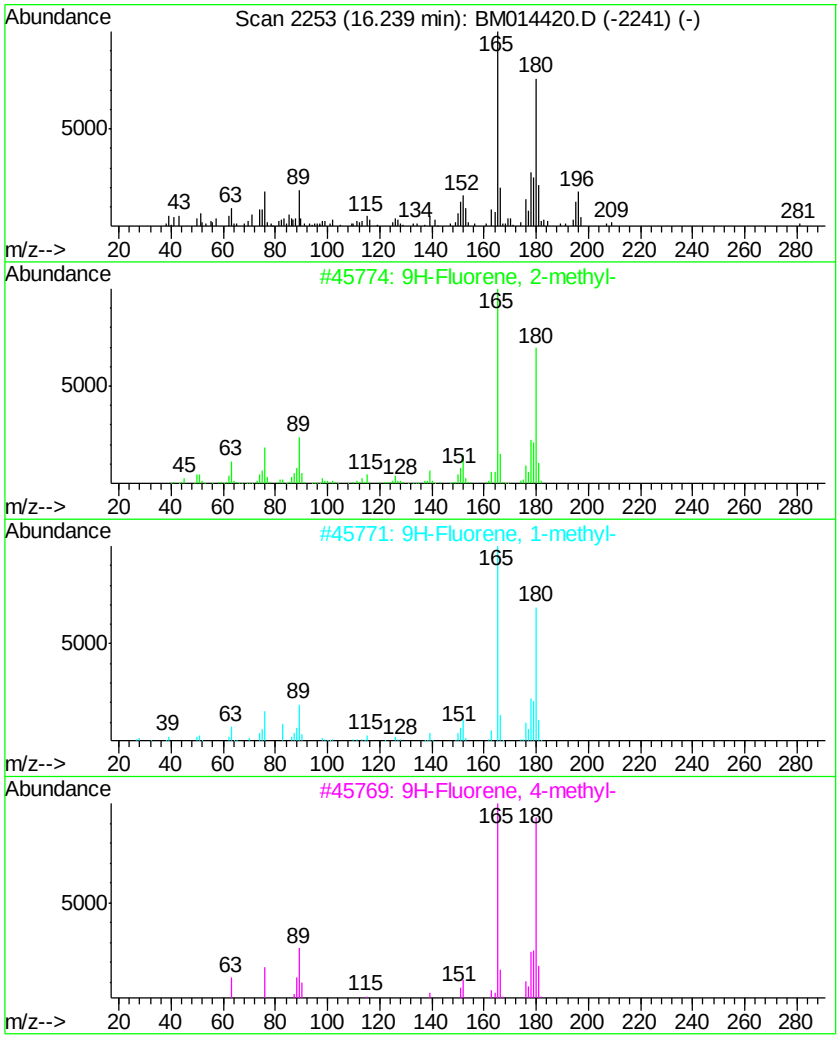
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

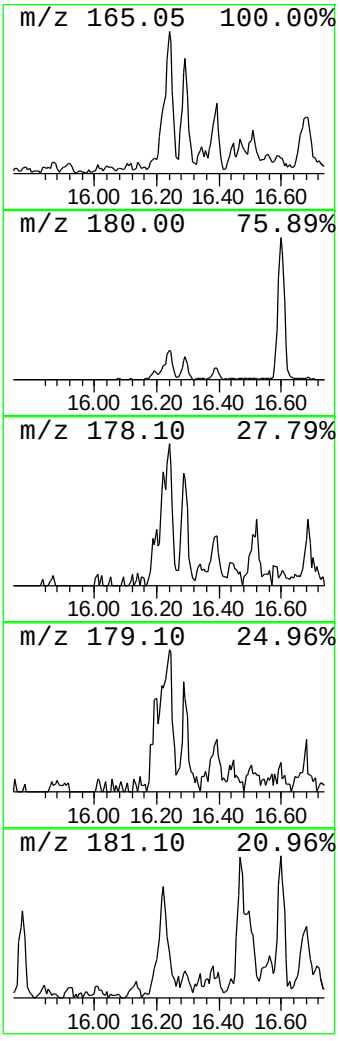
****

Peak Number 5 9H-Fluorene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.24	4.71 ng/ul	480554	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
3	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	90
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	76





Library Search Compound Report

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Operator : SJ/JU
Sample : J1646-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X3

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

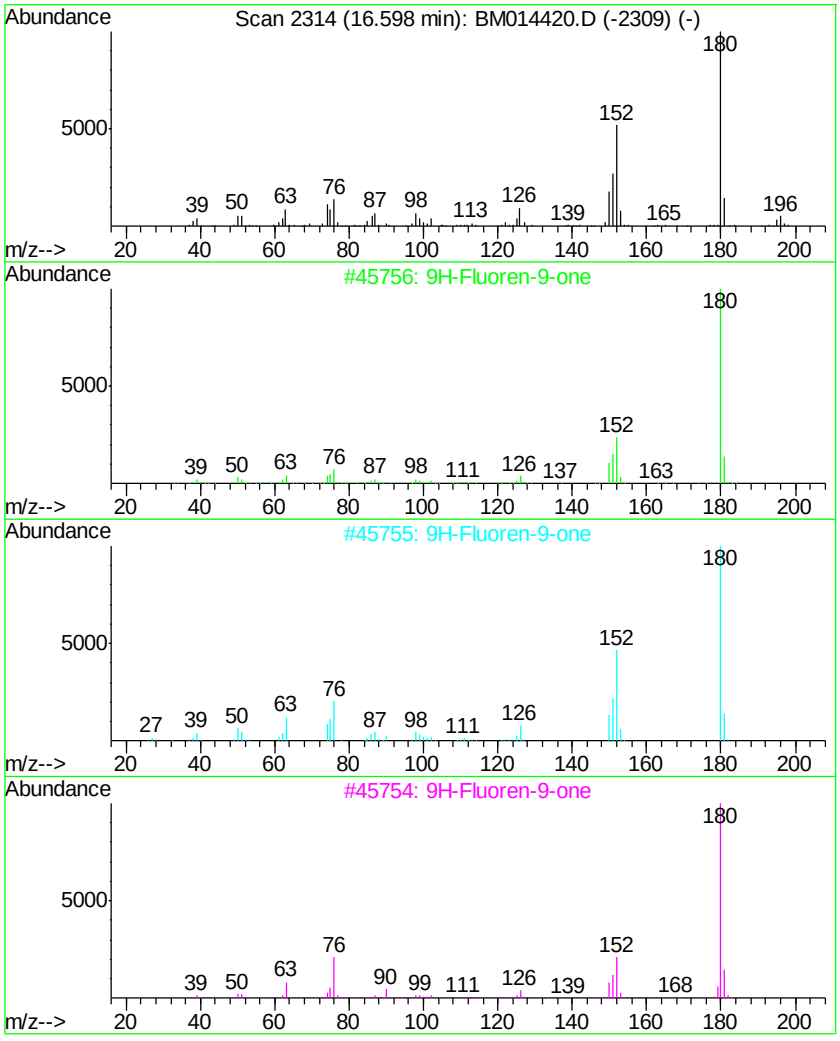
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

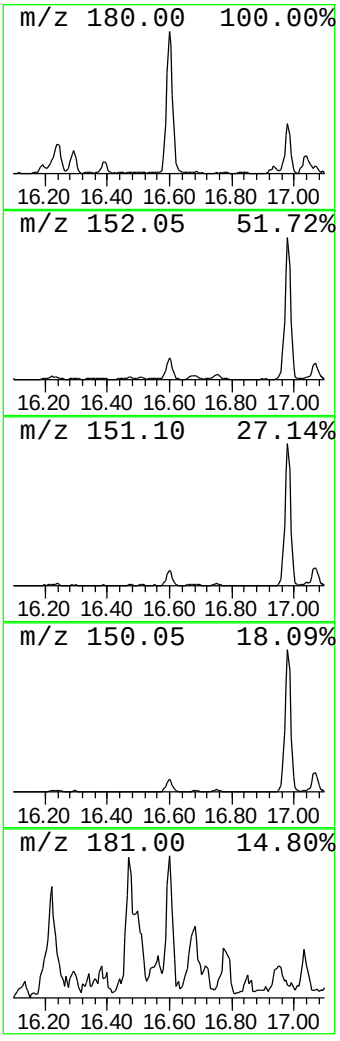
****

Peak Number 6 9H-Fluoren-9-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.60	5.94 ng/ul	606367	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91





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Sample : J1646-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X3

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Quant Title : SVOA CALIBRATION

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

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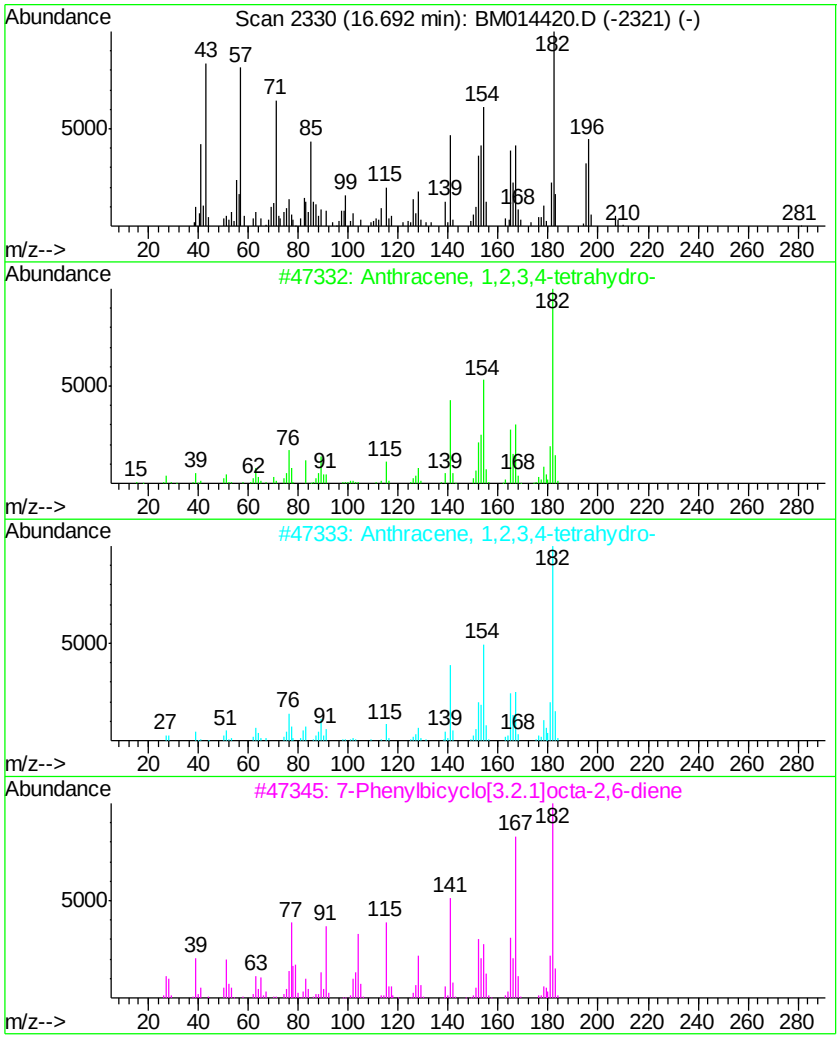
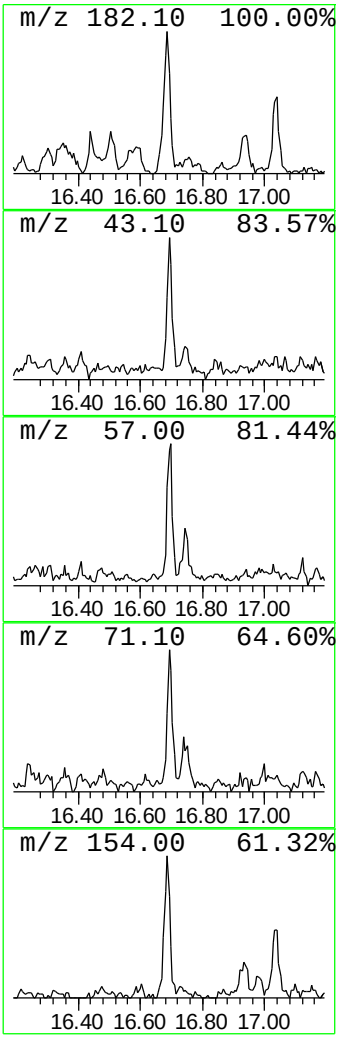
Peak Number 7 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.69	5.81 ng/ul	592997	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	86
2	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	70
3	7-Phenylbicyclo[3.2.1]octa-2,6-d...	182	C14H14	1000201-01-7	49
4	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	46
5	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	38





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Instrument : BNA_M
ClientSampleId : BE5X3

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Quant Title : SVOA CALIBRATION

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

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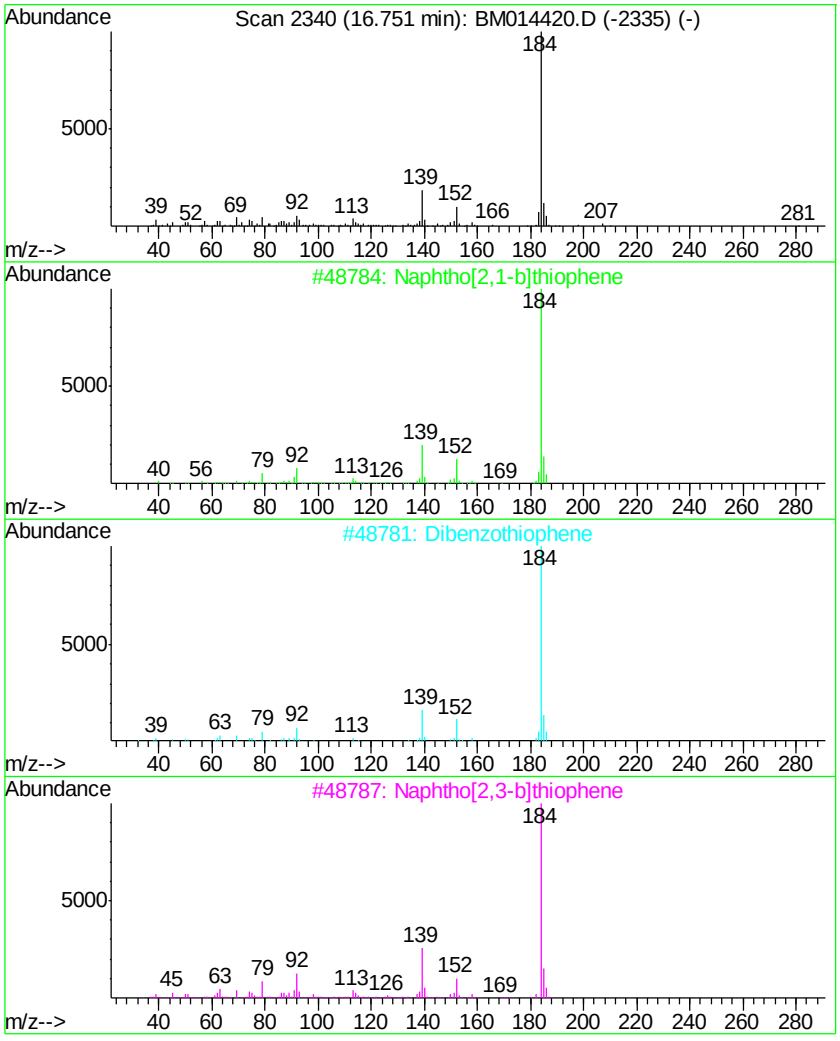
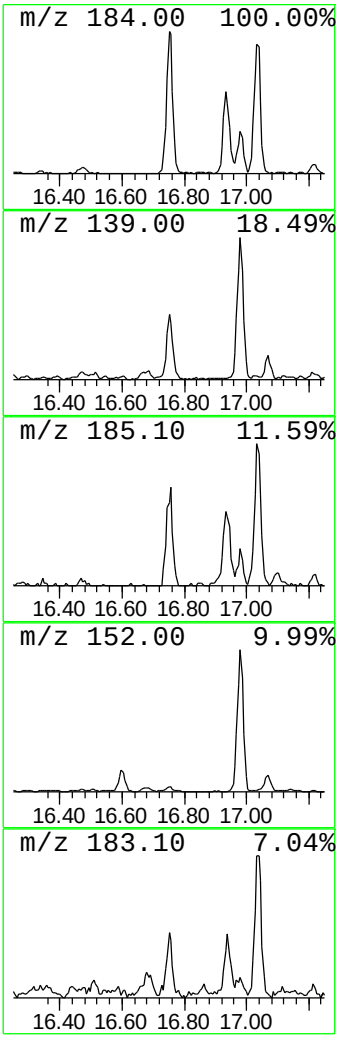
Peak Number 8 Naphtho[2,1-b]thiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.75	6.22 ng/ul	634386	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	93
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4	Dibenzothiophene	184	C12H8S	000132-65-0	91
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	91





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ClientSampleId : BE5X3

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Quant Title : SVOA CALIBRATION

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

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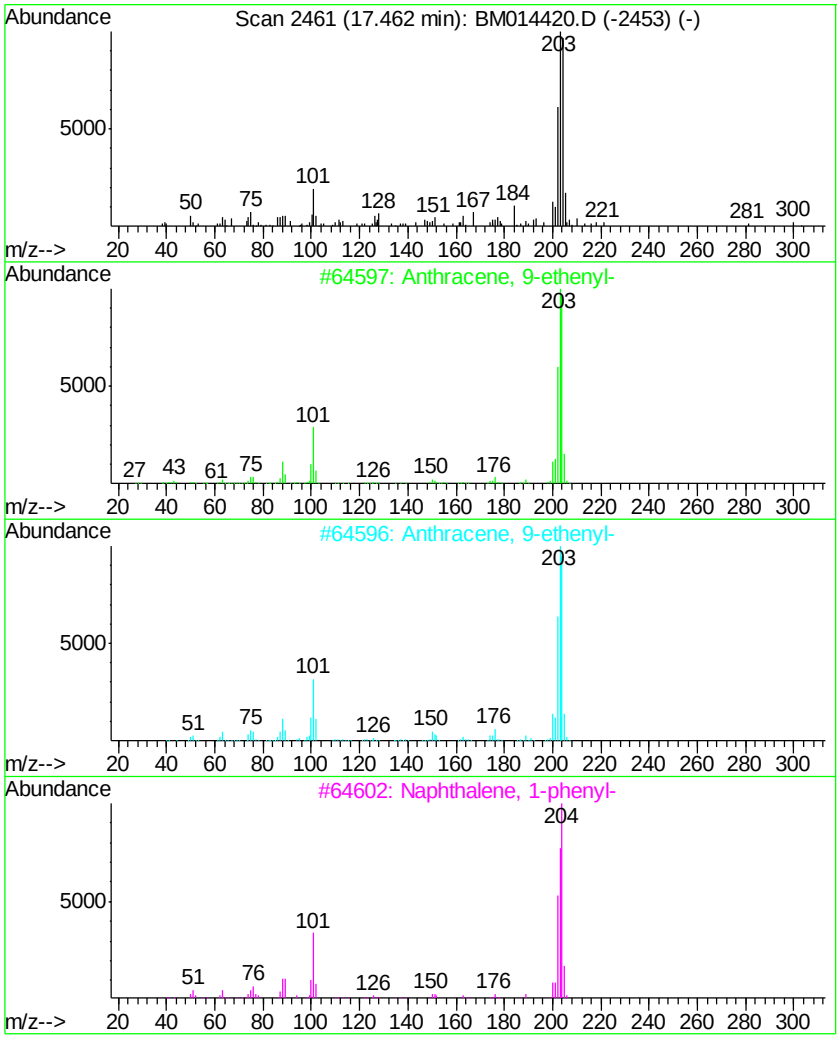
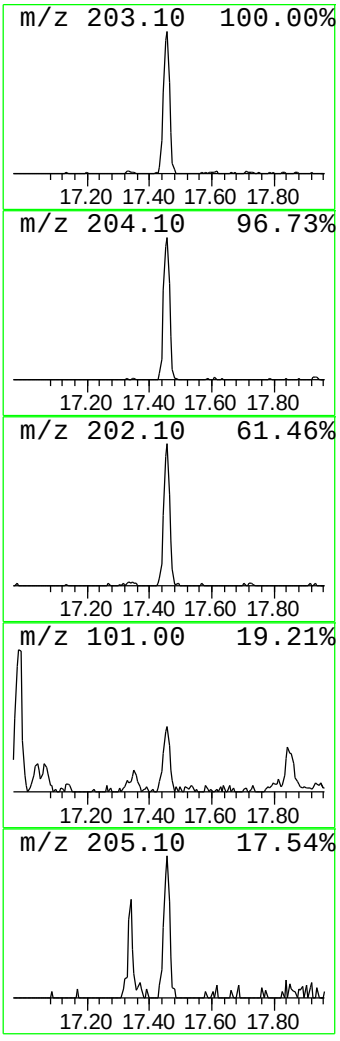
Peak Number 9 Anthracene, 9-ethenyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.46	4.15 ng/ul	423776	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	95
2	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	89
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
4	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	76
5	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	76





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ClientSampleId : BE5X3

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Quant Title : SVOA CALIBRATION

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

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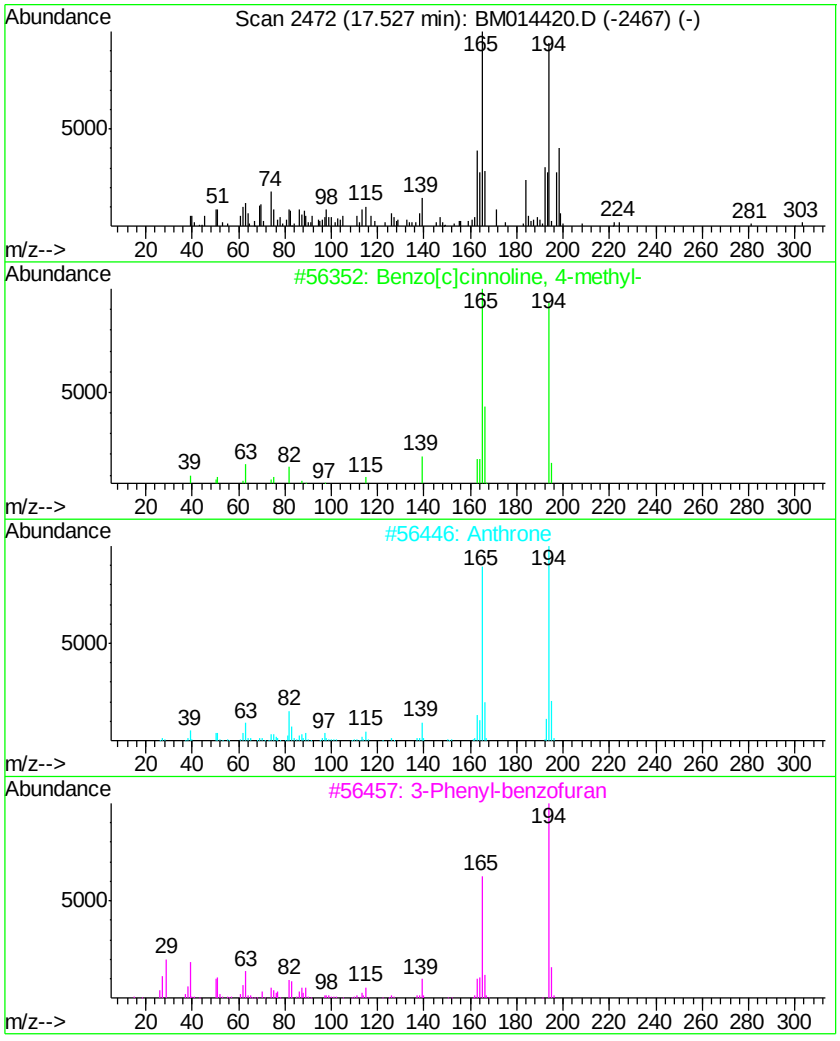
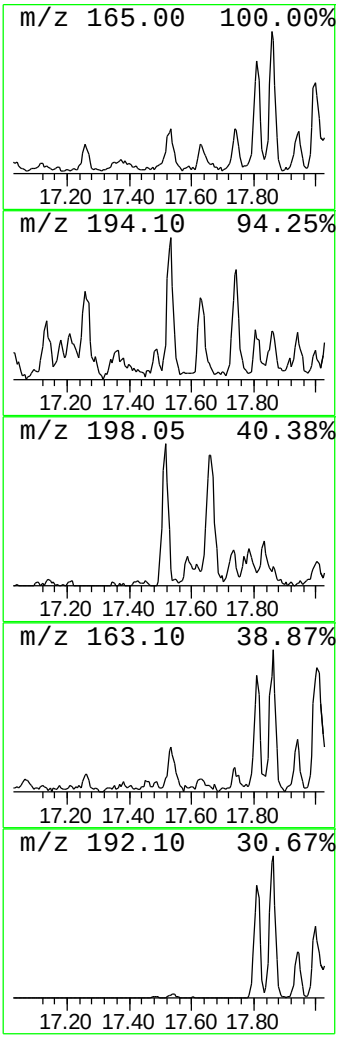
Peak Number 10 unknown-01 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.53	3.39 ng/ul	345559	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]cinnoline, 4-methyl-	194	C13H10N2	019174-78-8	49
2	Anthrone	194	C14H10O	000090-44-8	45
3	3-Phenyl-benzofuran	194	C14H10O	029909-72-6	41
4	9H-Fluoren-9-one, hydrazone	194	C13H10N2	013629-22-6	38
5	3-Phenanthrol	194	C14H10O	000605-87-8	38





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Quant Title : SVOA CALIBRATION

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

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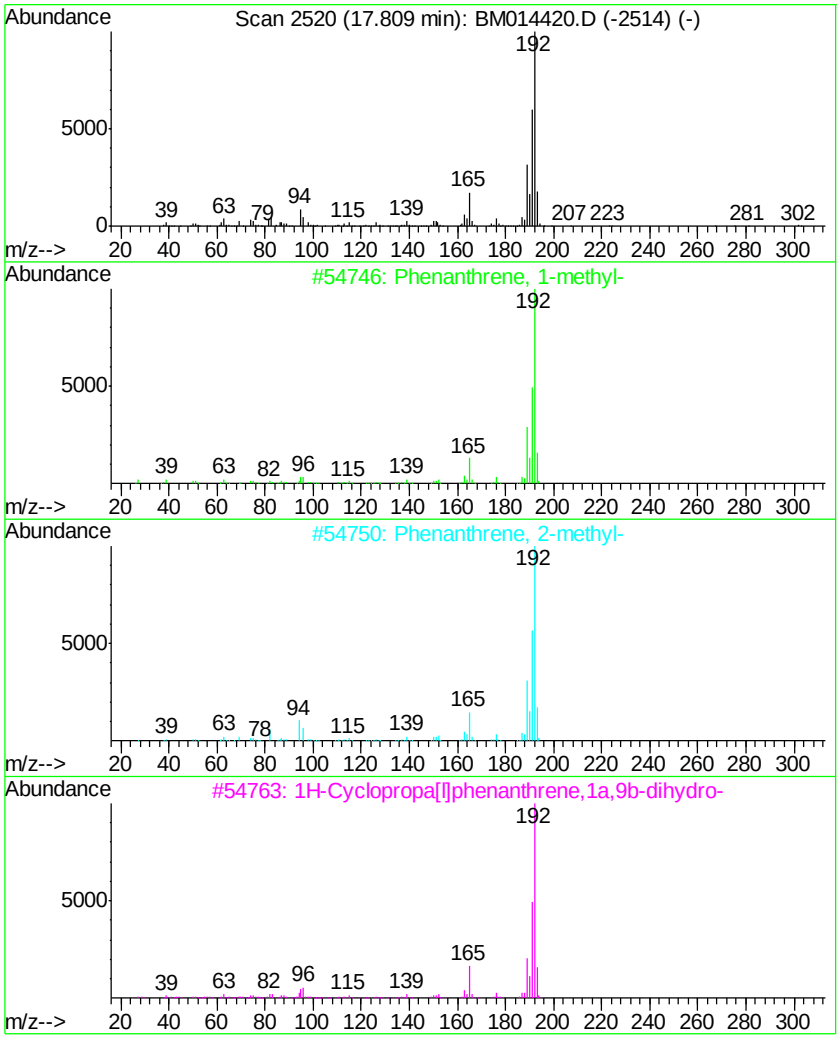
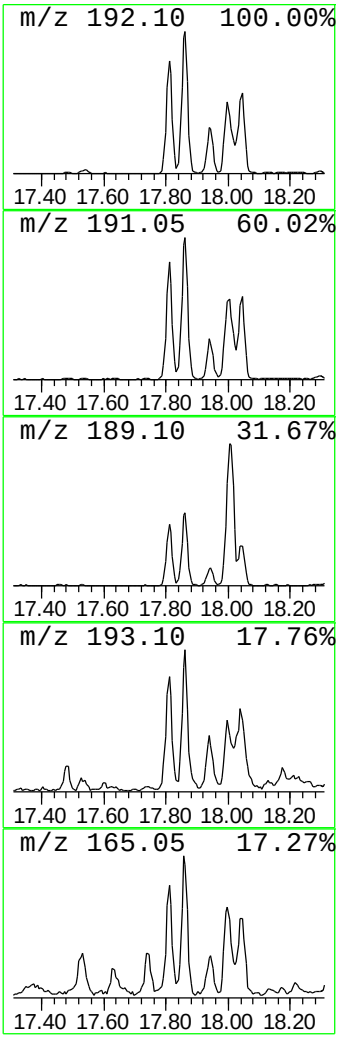
Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.81	13.92 ng/ul	1420650	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	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94





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Instrument : BNA_M
ClientSampleId : BE5X3

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Quant Title : SVOA CALIBRATION

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

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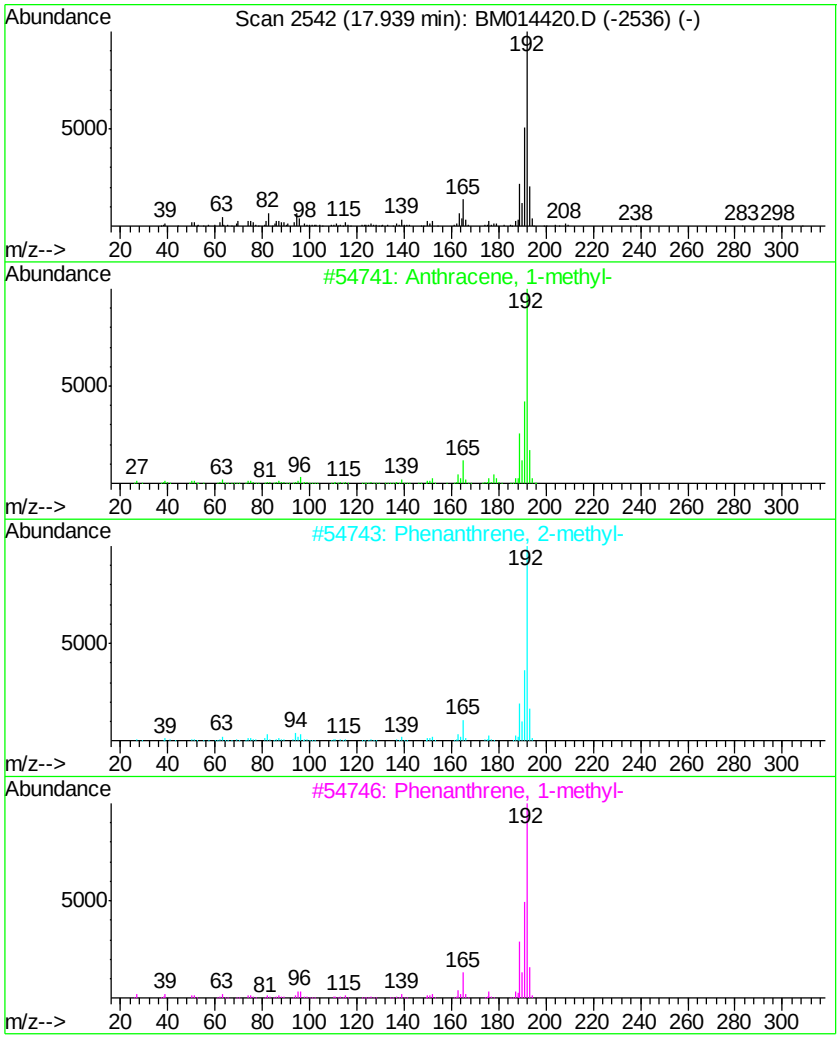
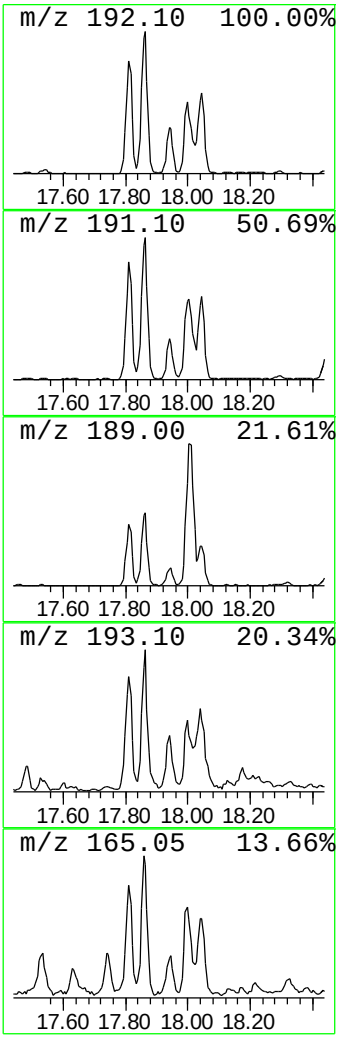
Peak Number 13 Anthracene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	5.72 ng/ul	583958	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





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Quant Title : SVOA CALIBRATION

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

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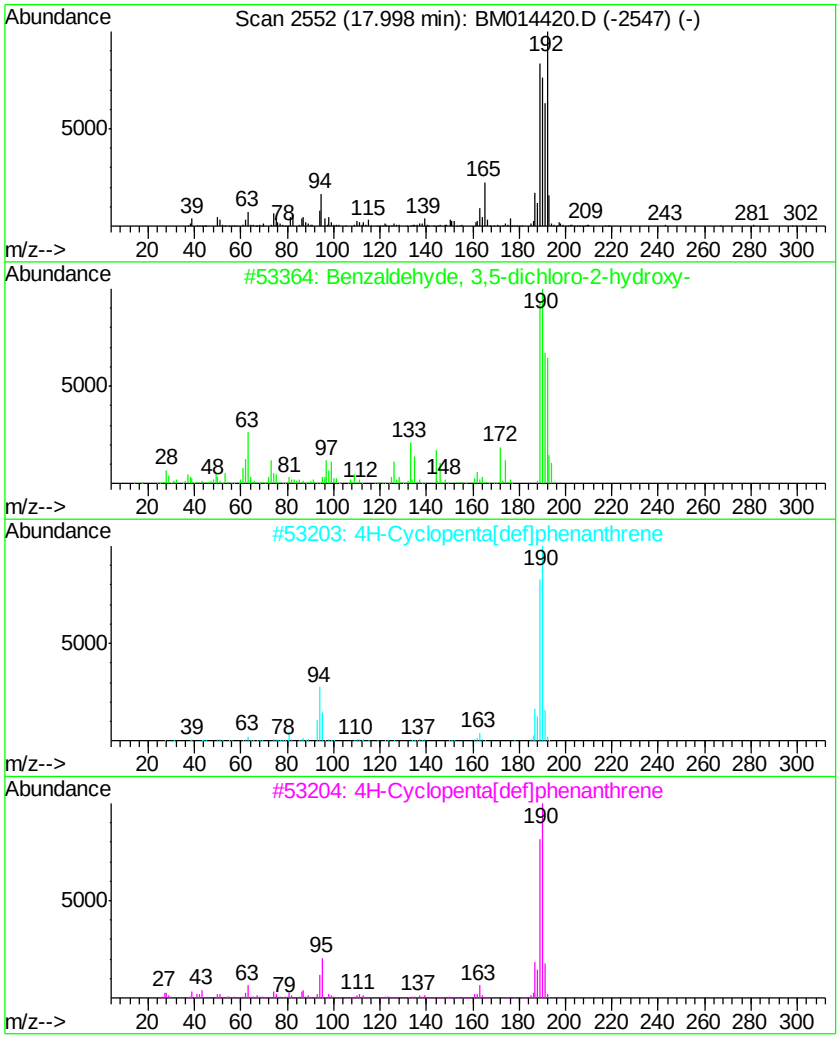
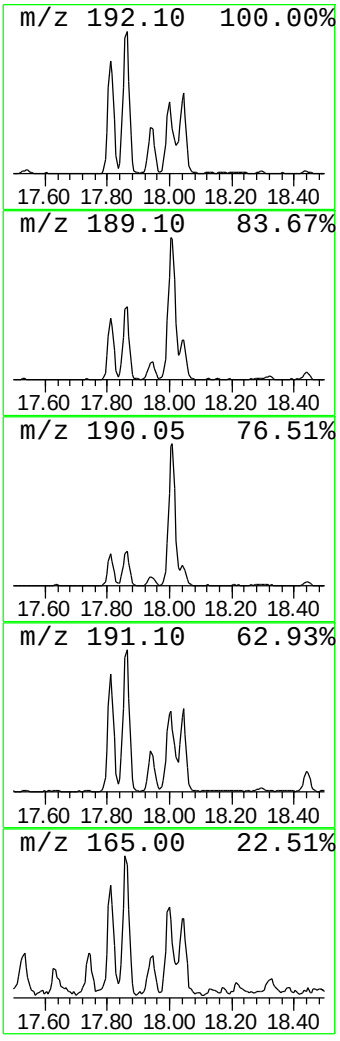
Peak Number 14 Benzaldehyde, 3,5-dichloro-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	20.74 ng/ul	2116260	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	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
5	5-Bromo-2-thiophenecarboxaldehyde	190	C5H3BrOS	004701-17-1	52





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Quant Title : SVOA CALIBRATION

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

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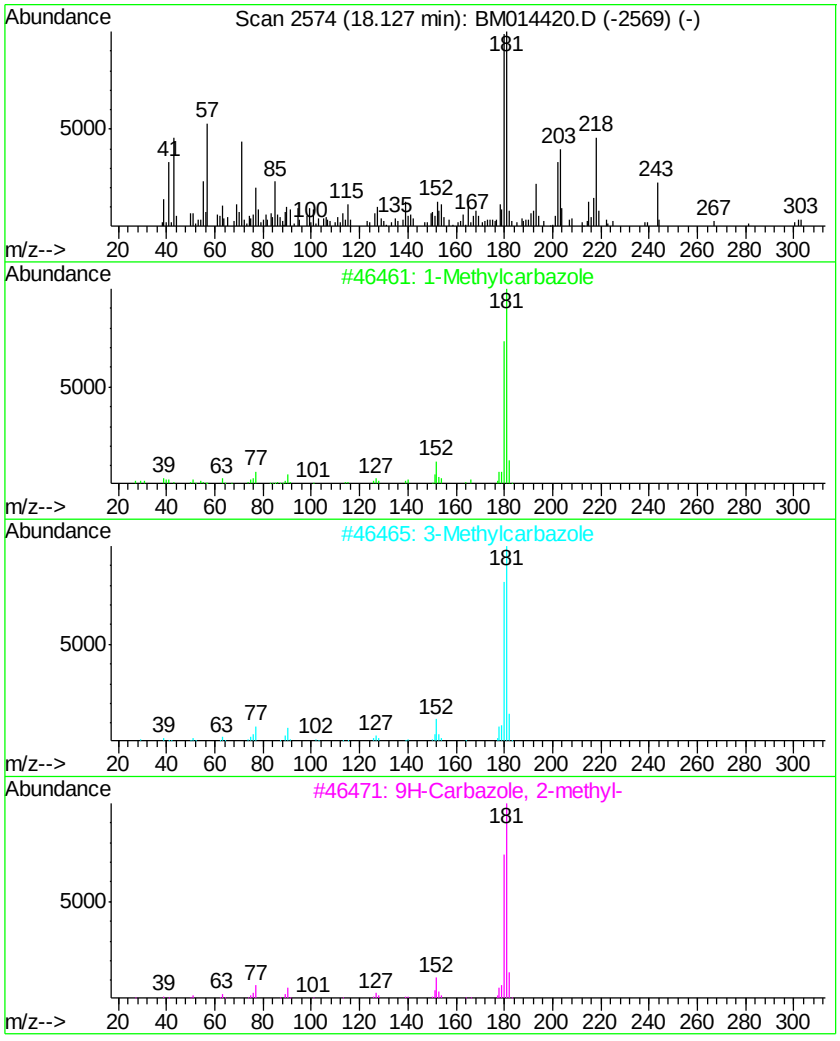
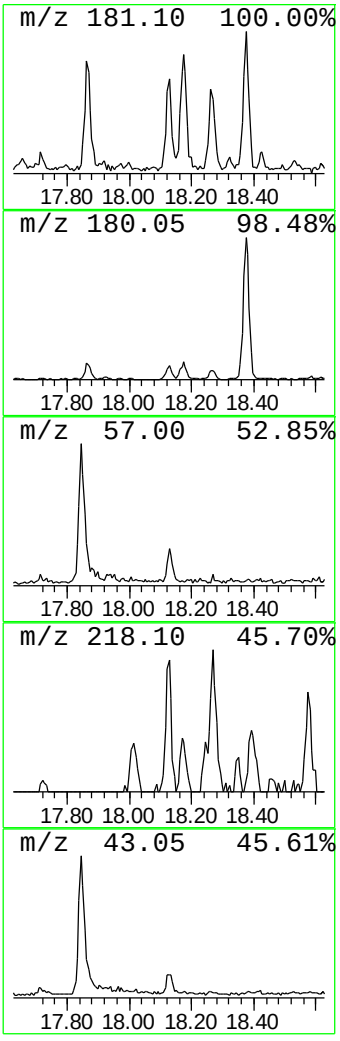
Peak Number 16 unknown-02 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	2.41 ng/ul	245857	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methylcarbazole	181	C13H11N	006510-65-2	42
2	3-Methylcarbazole	181	C13H11N	004630-20-0	42
3	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	42
4	4-Methylcarbazole	181	C13H11N	003770-48-7	42
5	3-Methylcarbazole	181	C13H11N	004630-20-0	42





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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 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	9.75 ng/ul	994794	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	90
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
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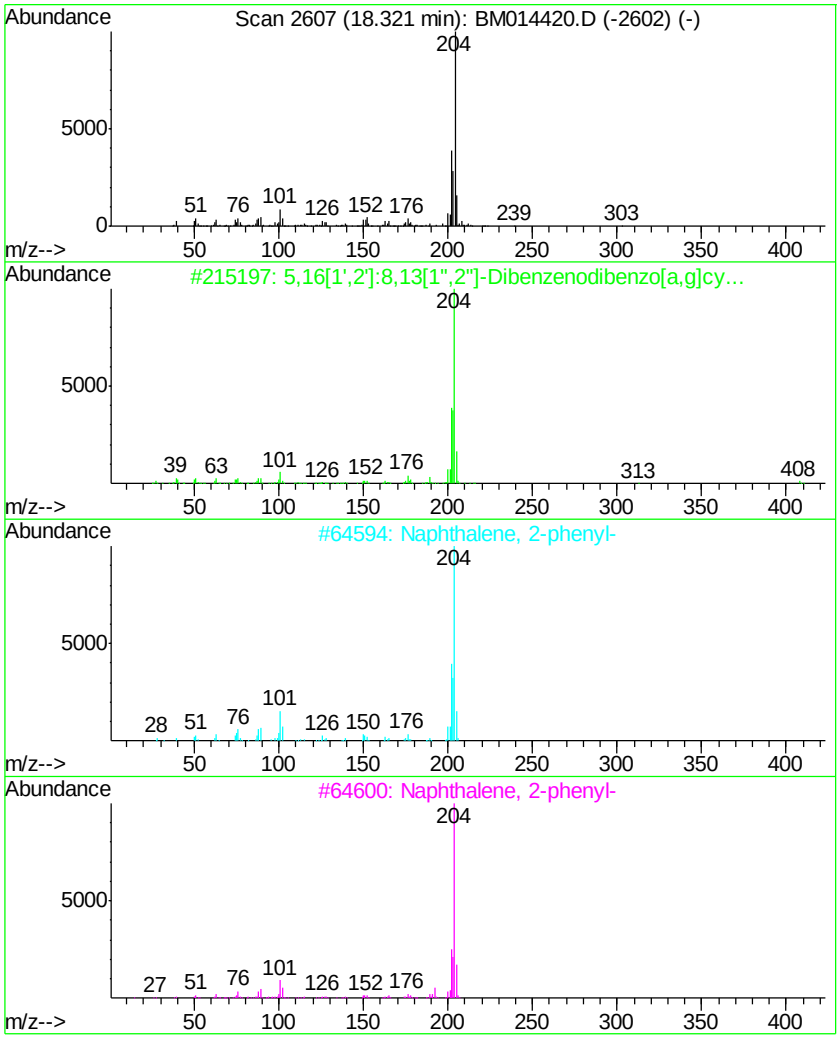

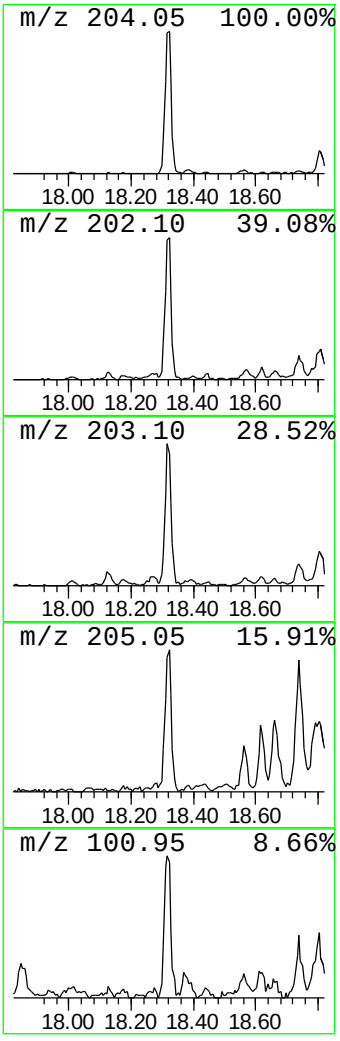

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Quant Title : SVOA CALIBRATION

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

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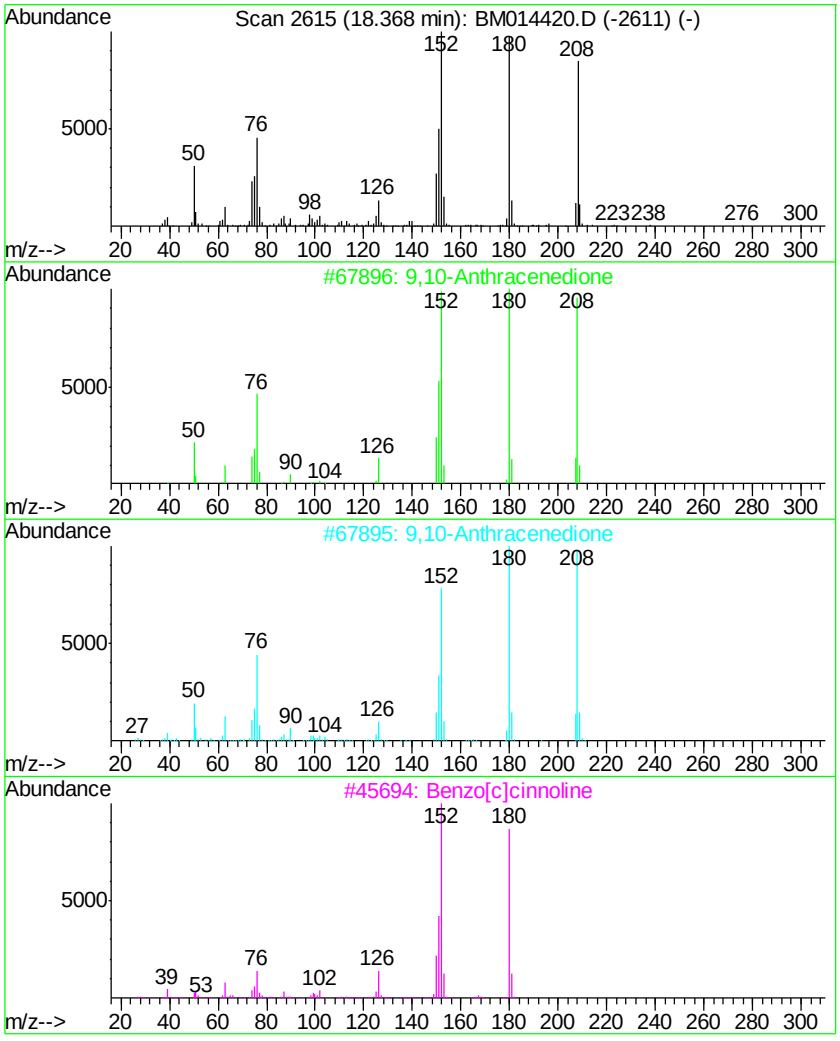
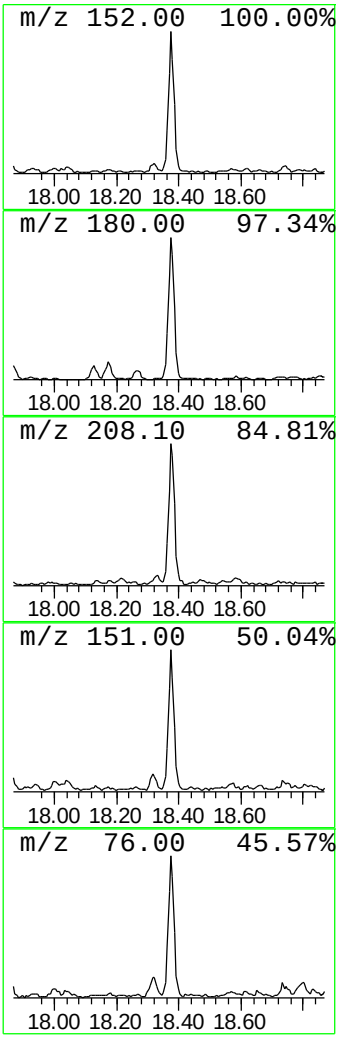
Peak Number 18 9,10-Anthracenedione Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	13.29 ng/ul	1355770	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	91
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83





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Quant Title : SVOA CALIBRATION

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

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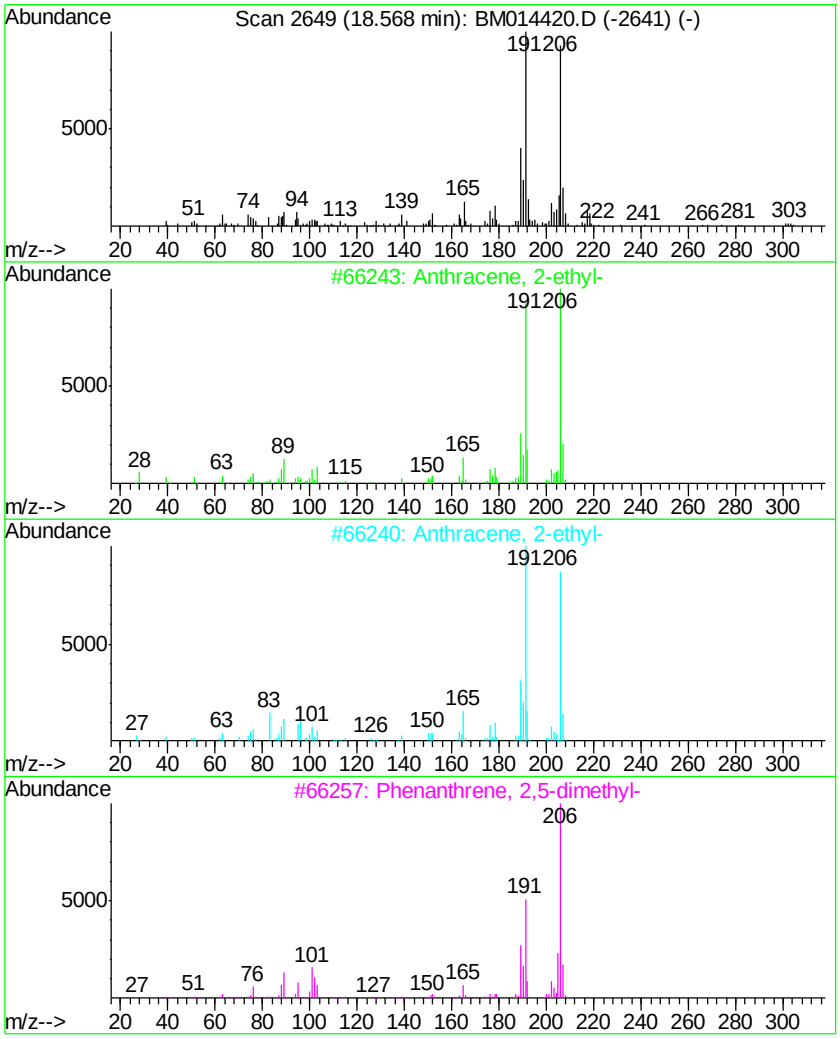
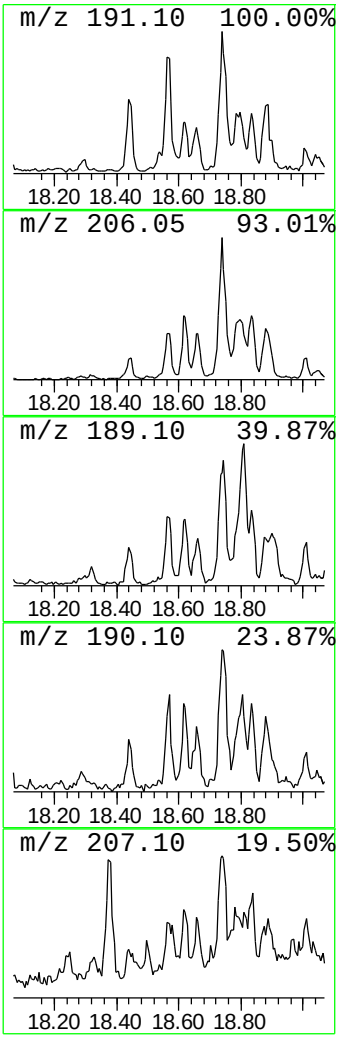
Peak Number 19 Anthracene, 2-ethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	4.95 ng/ul	505097	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	94
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
4	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	90
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87





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ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X3

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Quant Title : SVOA CALIBRATION

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

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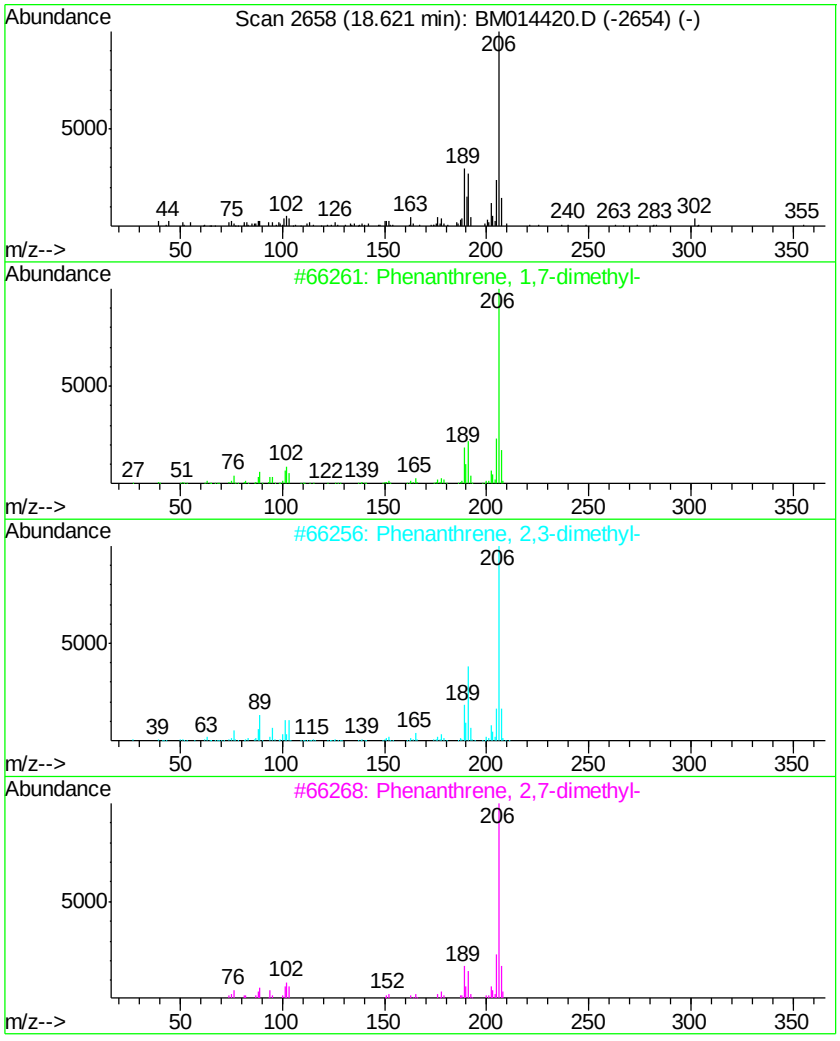
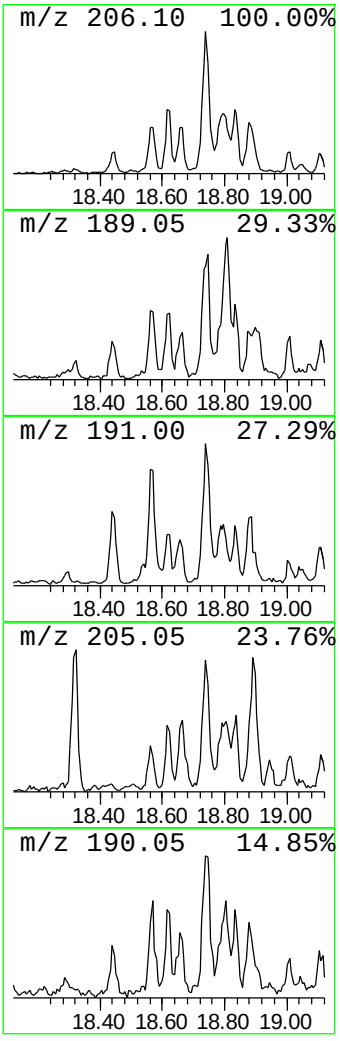
Peak Number 20 Phenanthrene, 1,7-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	2.81 ng/ul	286689	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	80
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	76
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	74
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	74
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	72





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Data File : BM014420.D
Acq On : 01 Mar 2018 02:45
Operator : SJ/JU
Sample : J1646-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X3

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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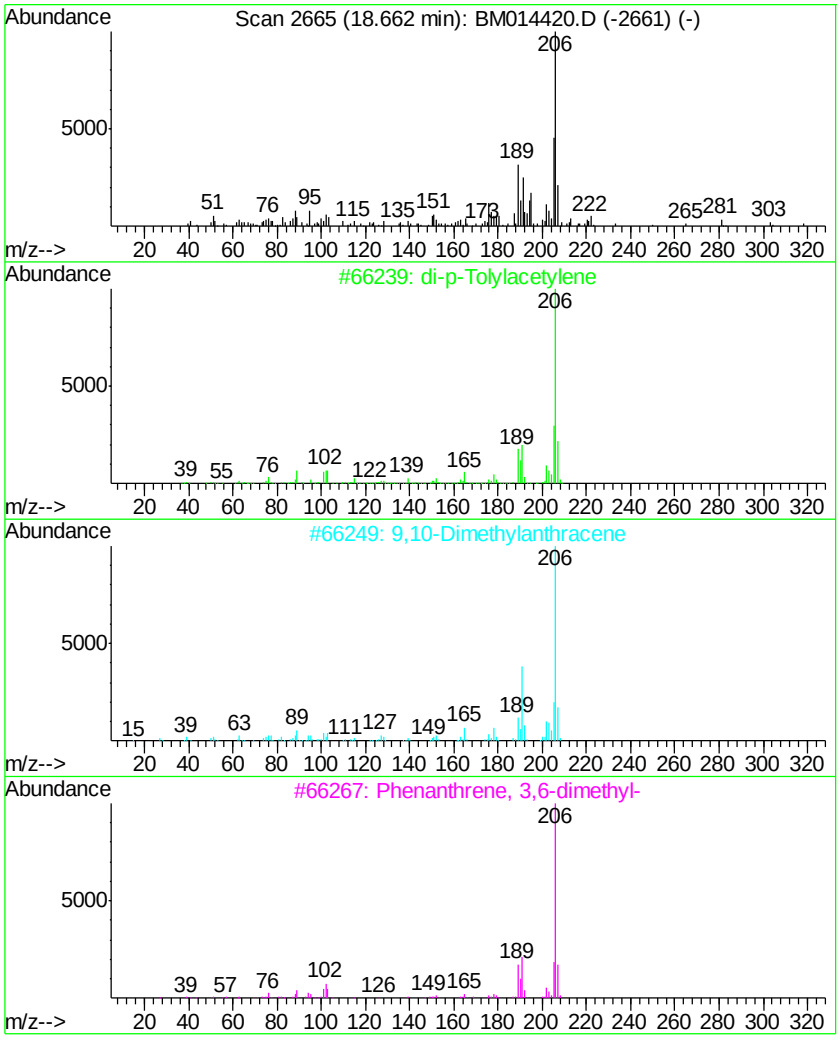
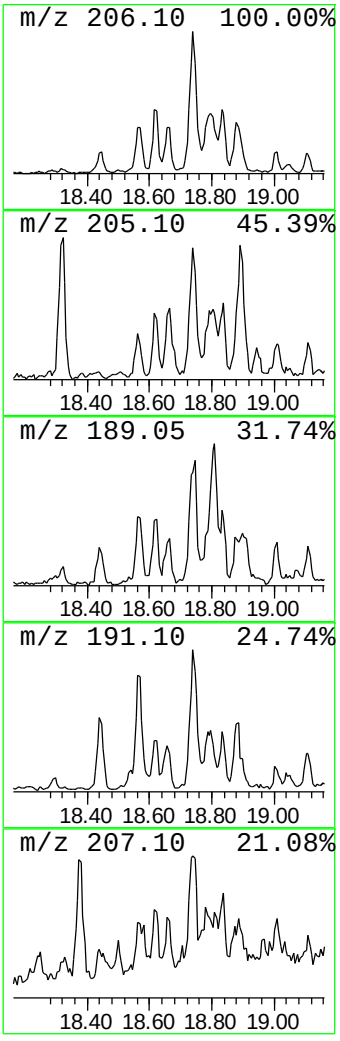
Peak Number 21 di-p-Tolylacetylene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	2.72 ng/ul	277536	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	86
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	76
5	Benzene, 1,1'-(1,3-butadienylide...	206	C16H14	004165-81-5	72





Library Search Compound Report

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Acq On : 01 Mar 2018 02:45
Operator : SJ/JU
Sample : J1646-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X3

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Quant Title : SVOA CALIBRATION

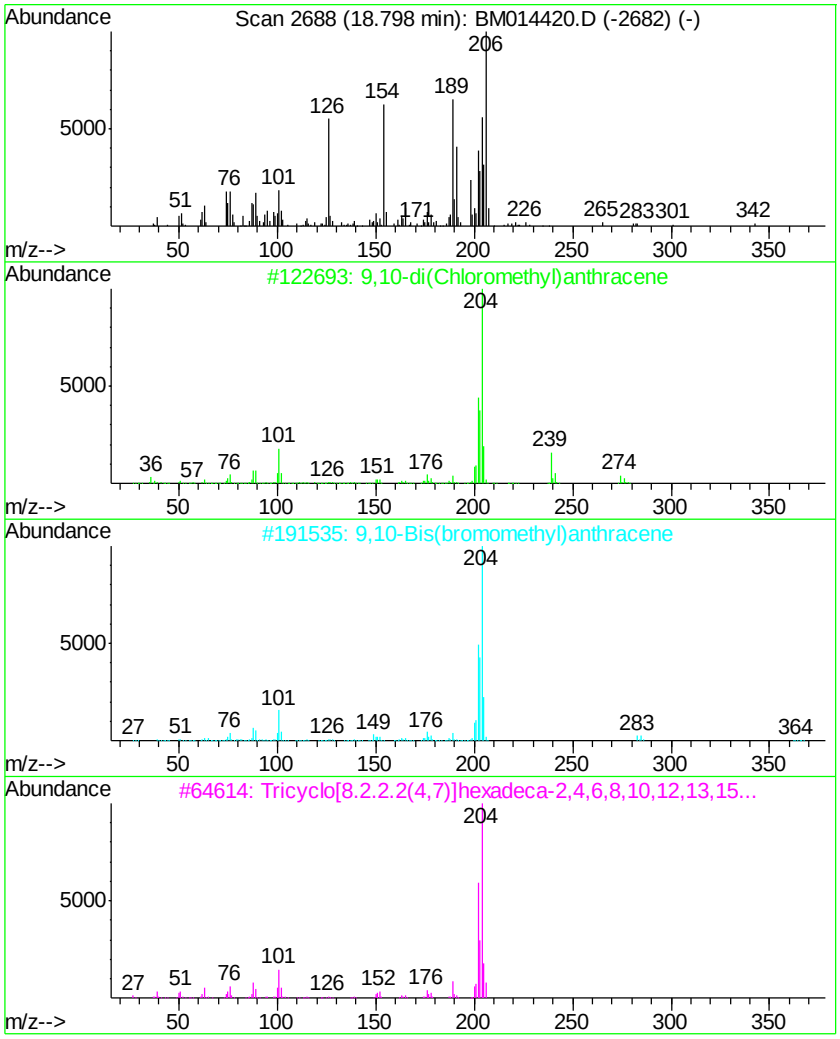
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

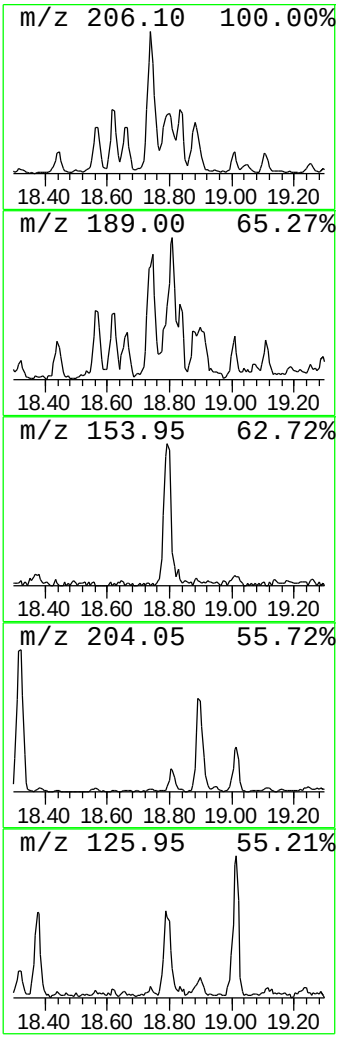
****

Peak Number 23 unknown-03 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.80	8.01 ng/ul	817292	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	38
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	35
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	30
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	25
5	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	25





Library Search Compound Report

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Sample : J1646-09
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ALS Vial : 24 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

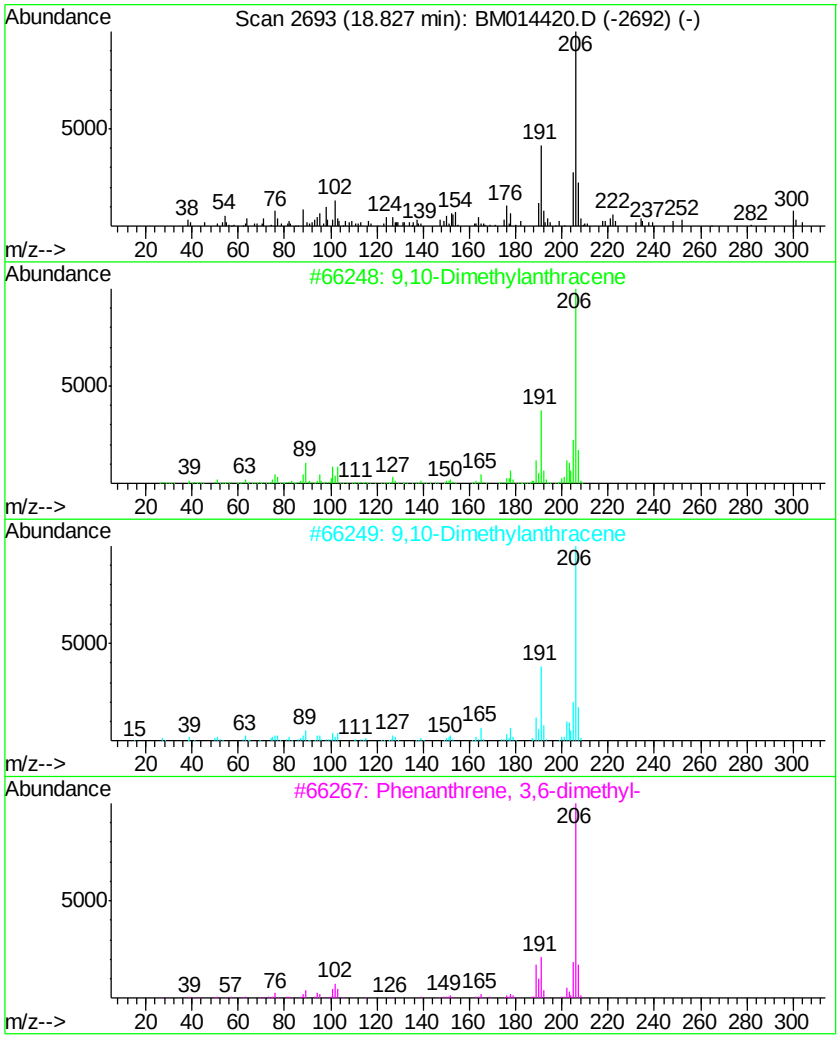
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

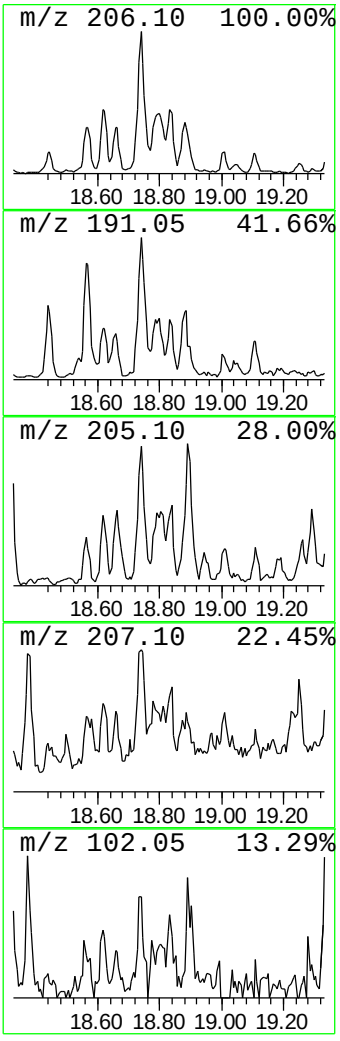
****

Peak Number 24 9,10-Dimethylanthracene Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	2.49 ng/ul	254244	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	86
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	83
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	81





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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X3

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Quant Title : SVOA CALIBRATION

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

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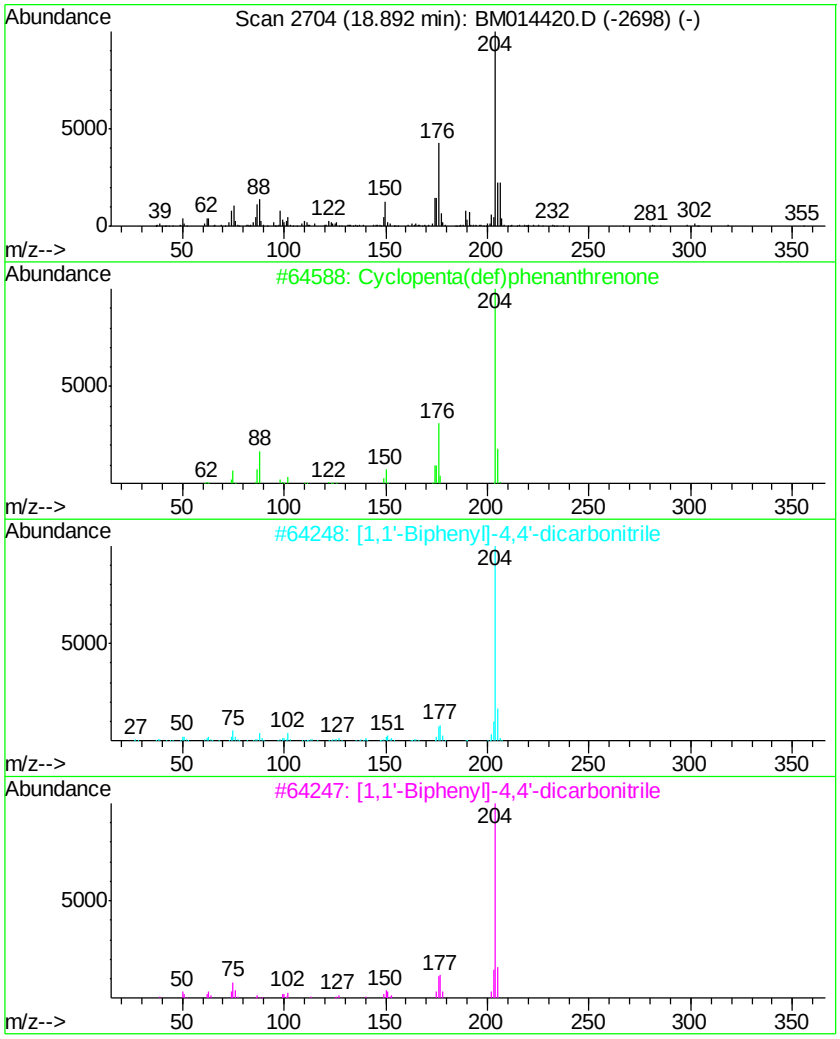
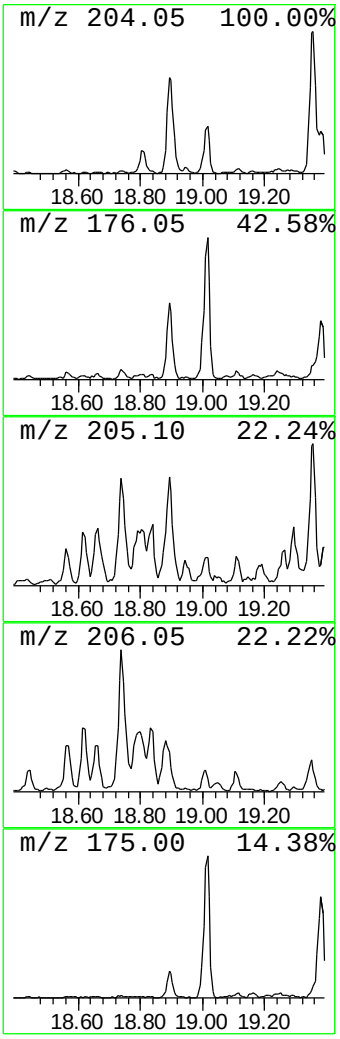
Peak Number 25 Cyclopenta(def)phenanthrenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.89	10.21 ng/ul	1042210	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	87
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	58
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	43





Library Search Compound Report

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Operator : SJ/JU
Sample : J1646-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X3

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Quant Title : SVOA CALIBRATION

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

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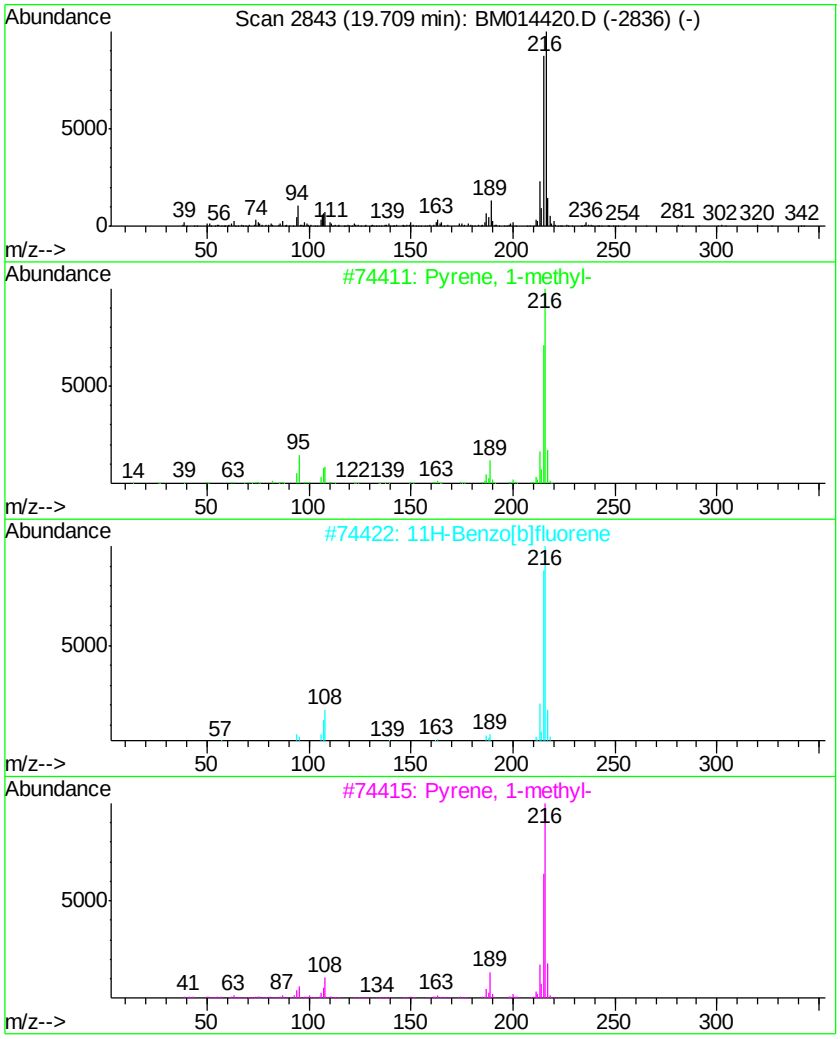
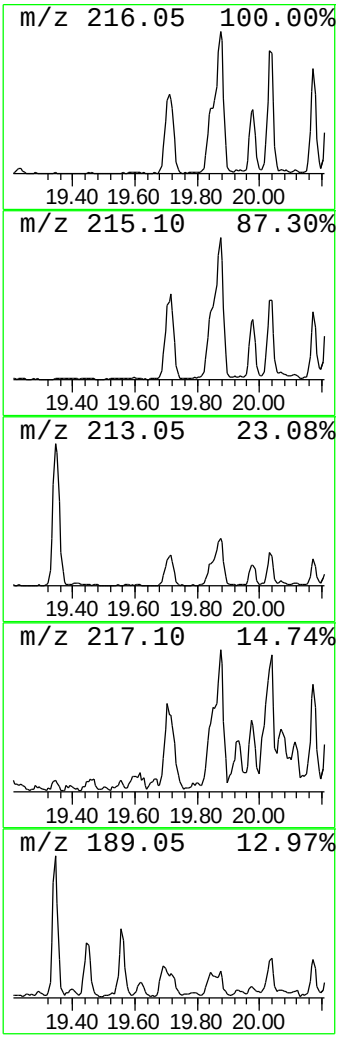
Peak Number 26 Pyrene, 1-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.71	2.80 ng/ul	1462000	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90





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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X3

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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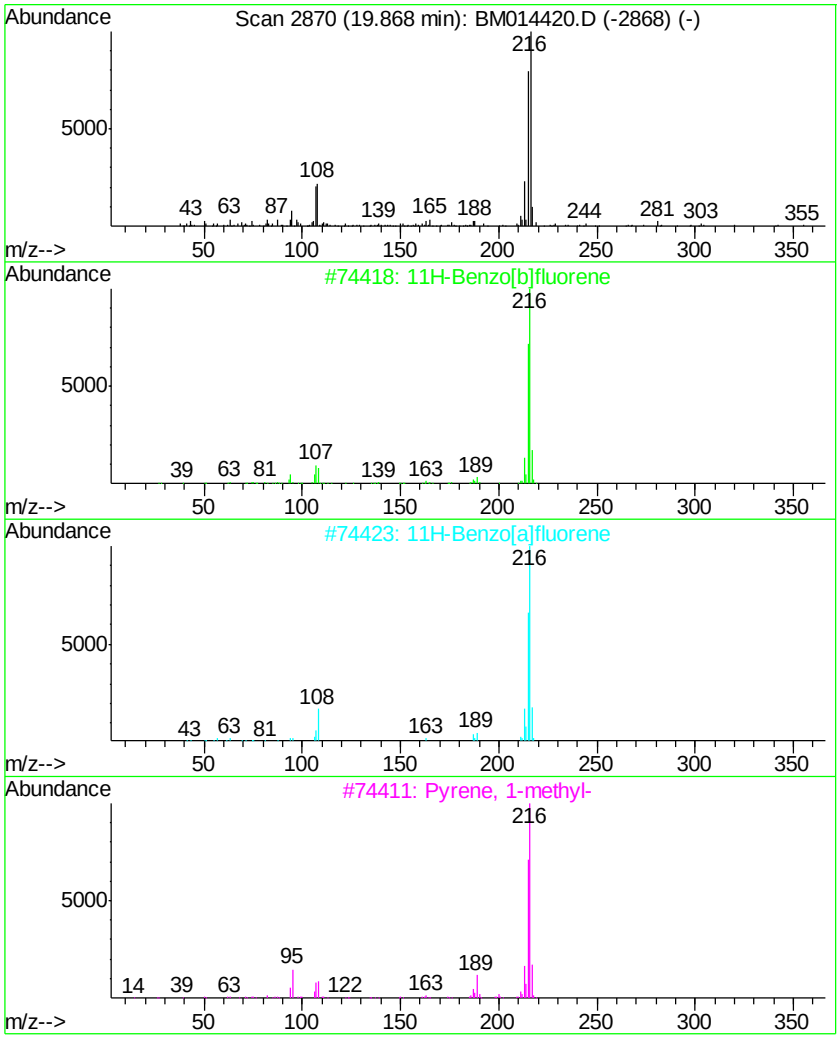
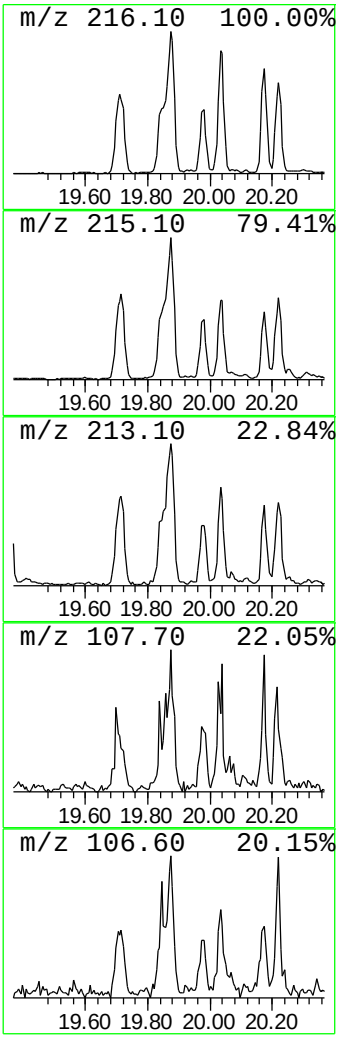
Peak Number 27 11H-Benzo[b]fluorene Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.87	2.61 ng/ul	1362510	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	80
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72





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Sample : J1646-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X3

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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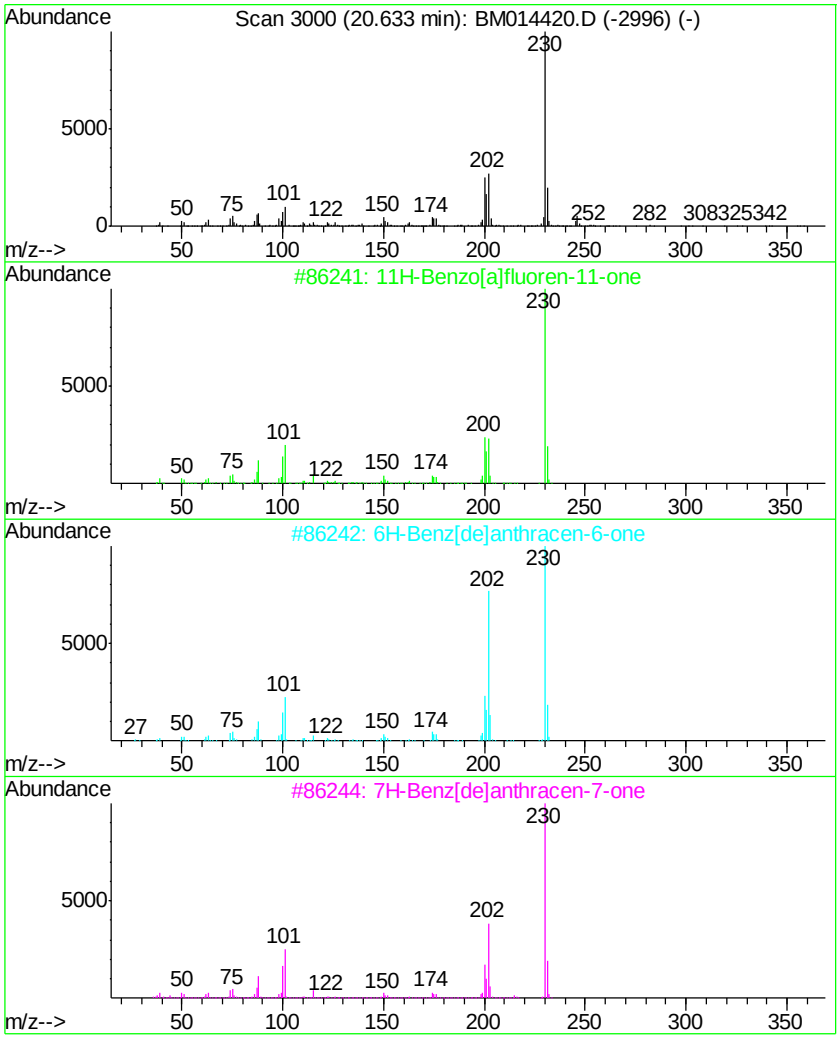
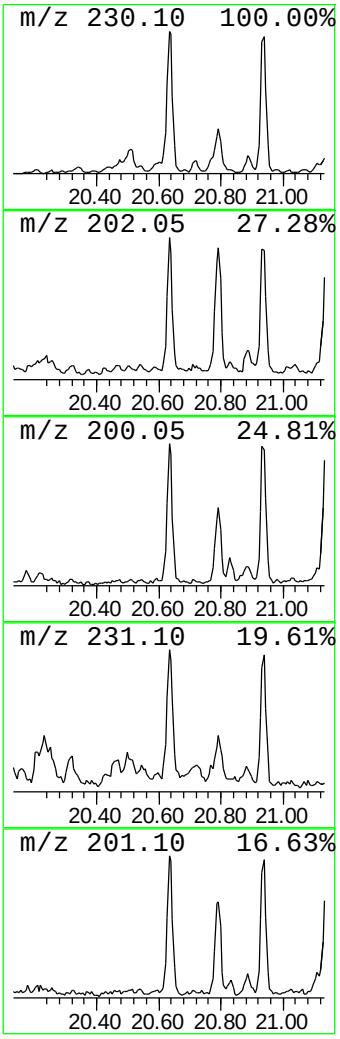
Peak Number 29 11H-Benzo[a]fluoren-11-one Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.63	2.43 ng/ul	1265980	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	97
2	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	89
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74





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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X3

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Quant Title : SVOA CALIBRATION

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

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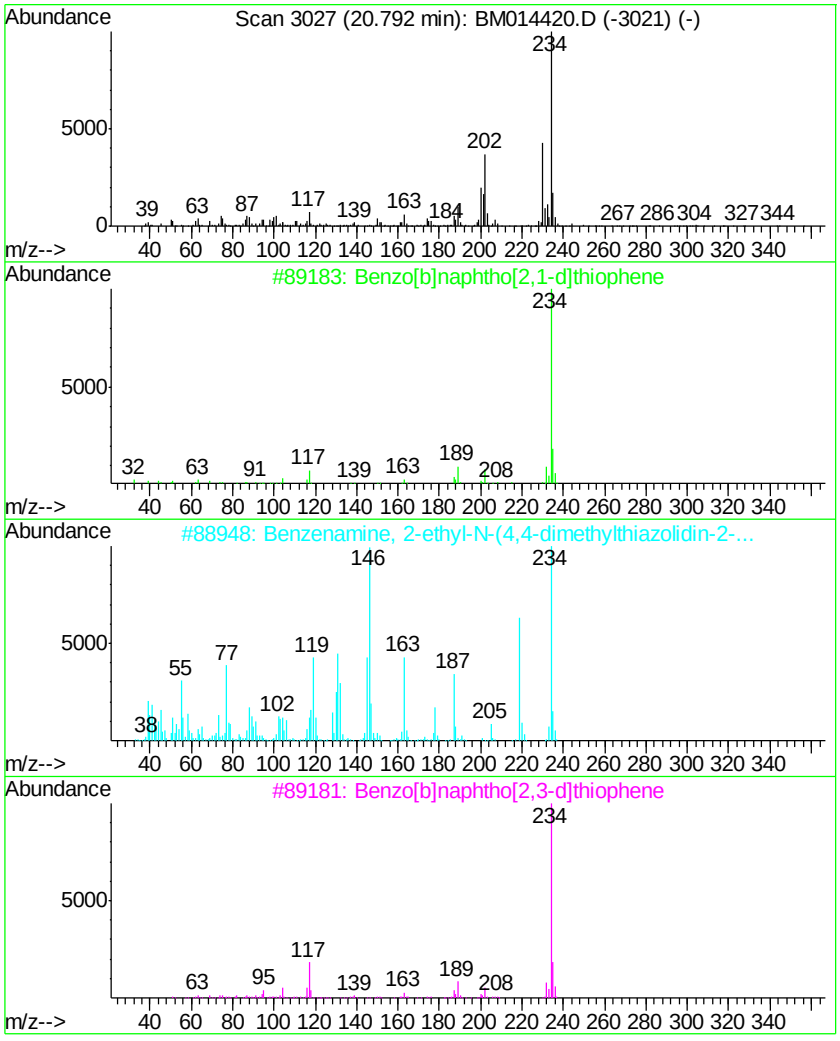
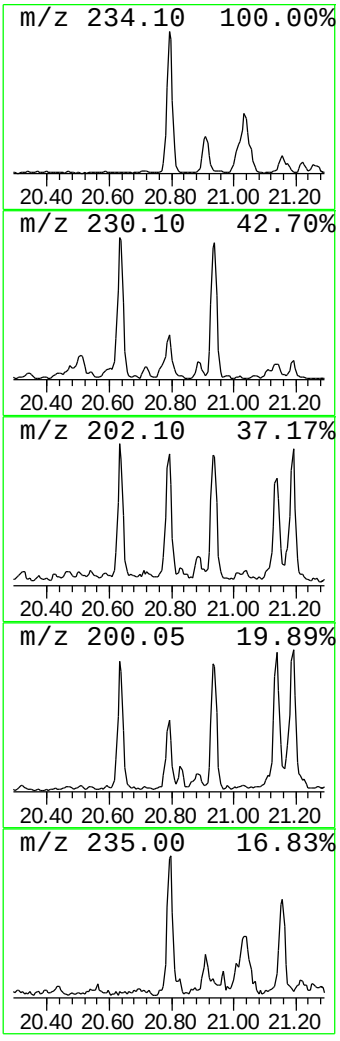
Peak Number 30 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.79	2.49 ng/ul	1299480	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90
2	Benzenamine, 2-ethyl-N-(4,4-dime...	234	C13H18N2S	1000272-26-2	83
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	70
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	55
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	50





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Acq On : 01 Mar 2018 02:45
Operator : SJ/JU
Sample : J1646-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

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ClientSampleId : BE5X3

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Quant Title : SVOA CALIBRATION

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

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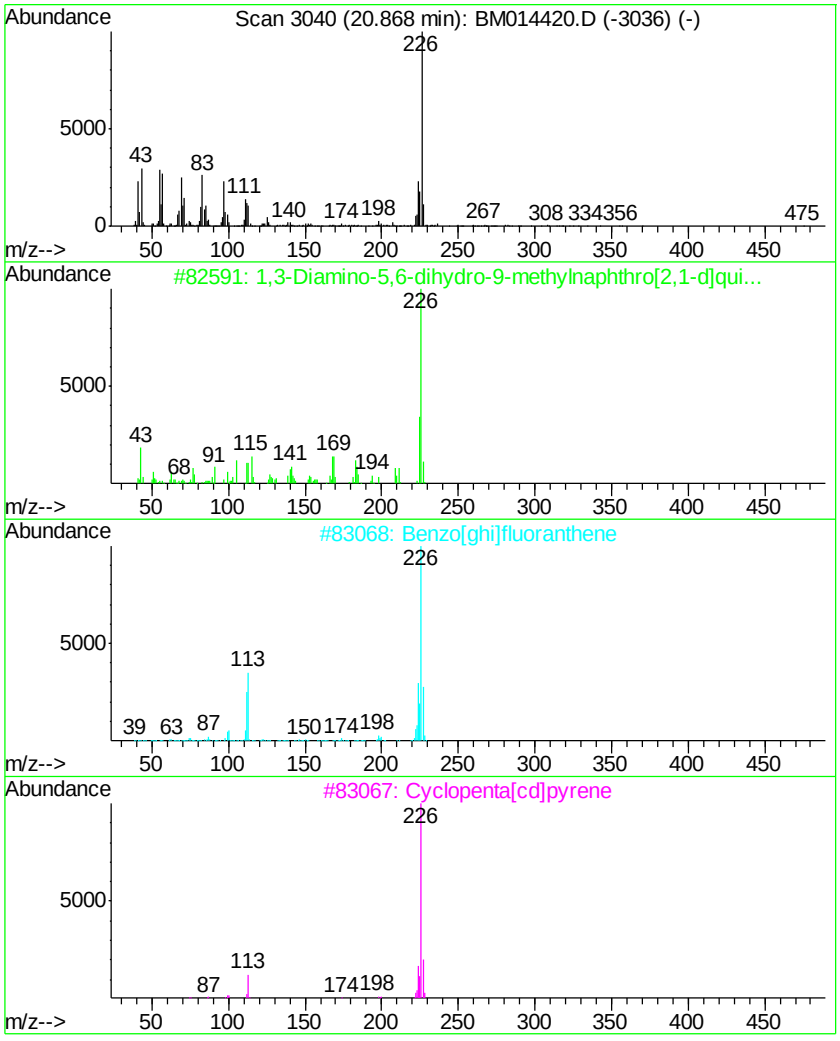
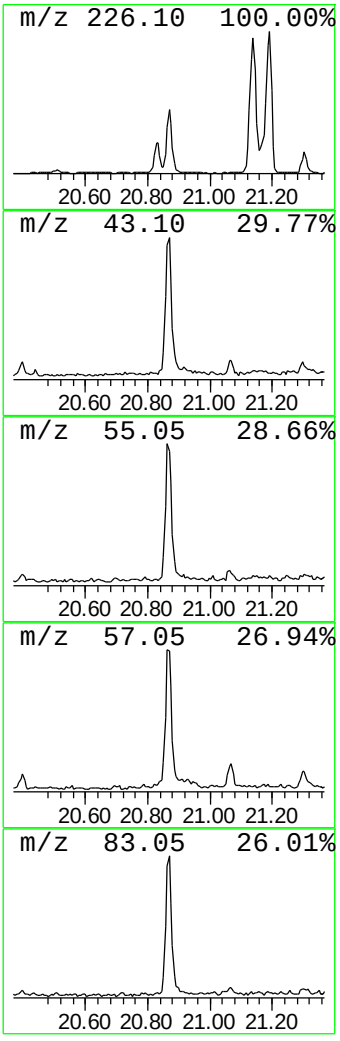
Peak Number 31 unknown-04 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	4.20 ng/ul	2192550	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	47
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	43
3	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	43
4	Anthracene, 1,8-diethynyl-	226	C18H10	078053-58-4	35
5	2-Furfurylidene-7-hydroxy-1-inda...	226	C14H10O3	1000244-80-4	32





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Operator : SJ/JU
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ALS Vial : 24 Sample Multiplier: 1

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ClientSampleId : BE5X3

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Quant Title : SVOA CALIBRATION

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

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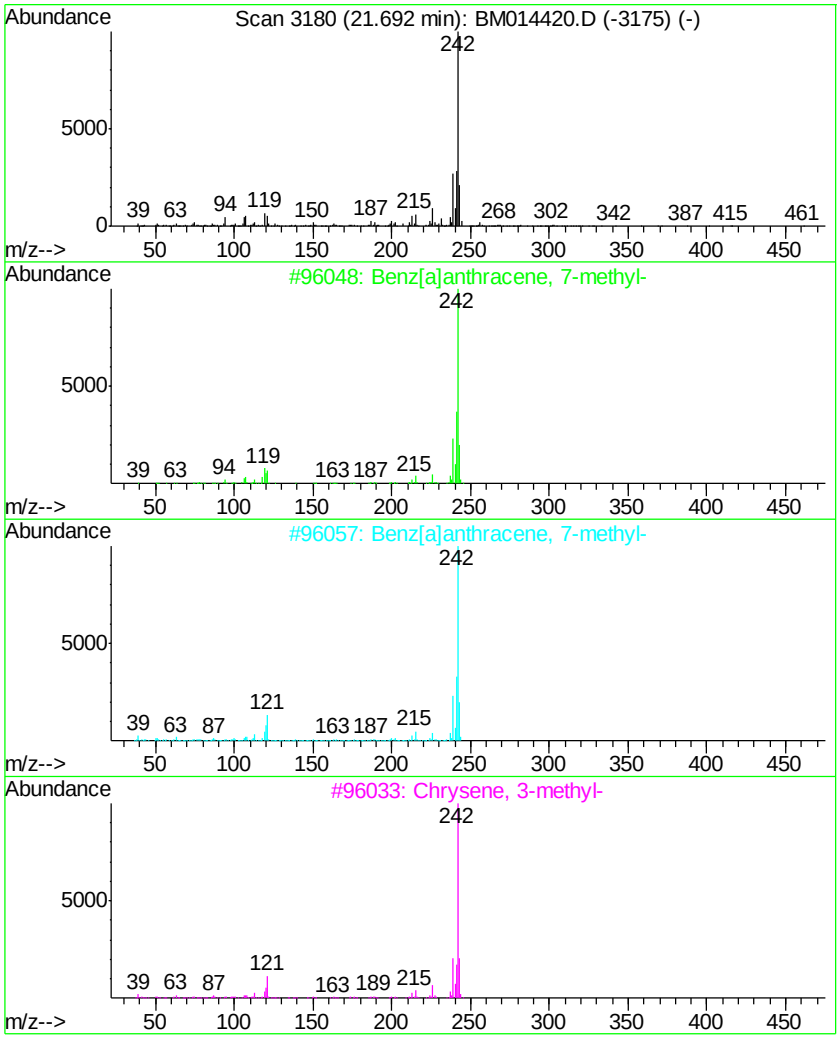
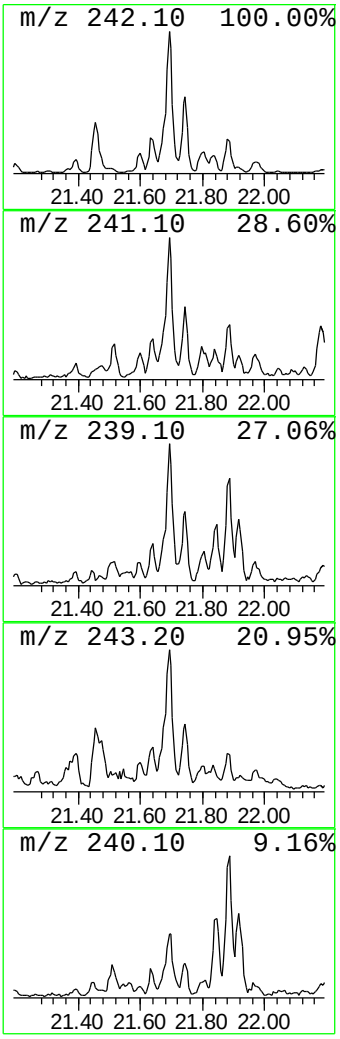
Peak Number 33 Benz[a]anthracene, 7-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.69	2.47 ng/ul	1289230	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
3	Chrysene, 3-methyl-	242	C19H14	003351-31-3	94
4	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
5	Chrysene, 6-methyl-	242	C19H14	001705-85-7	91





Tentatively Identified Compound (LSC) summary

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Data File : BM014420.D
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Operator : SJ/JU
Sample : J1646-09
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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
Naphthalene, 1,3-...	13.49	2.5	ng/ul	208140	3	14.17	1691970	20.0
Dibenzofuran, 4-m...	15.53	4.0	ng/ul	336766	3	14.17	1691970	20.0
(DEL) Alkane: Str...	15.90	3.2	ng/ul	322449	4	16.93	2040610	20.0
9H-Fluorene, 2-me...	16.24	4.7	ng/ul	480554	4	16.93	2040610	20.0
9H-Fluoren-9-one	16.60	5.9	ng/ul	606367	4	16.93	2040610	20.0
Anthracene, 1,2,3...	16.69	5.8	ng/ul	592997	4	16.93	2040610	20.0
Naphtho[2,1-b]thi...	16.75	6.2	ng/ul	634386	4	16.93	2040610	20.0
Anthracene, 9-eth...	17.46	4.2	ng/ul	423776	4	16.93	2040610	20.0
unknown-01	17.53	3.4	ng/ul	345559	4	16.93	2040610	20.0
Phenanthrene, 1-m...	17.81	13.9	ng/ul	1420650	4	16.93	2040610	20.0
Anthracene, 1-met...	17.94	5.7	ng/ul	583958	4	16.93	2040610	20.0
Benzaldehyde, 3,5...	18.00	20.7	ng/ul	2116260	4	16.93	2040610	20.0
unknown-02	18.13	2.4	ng/ul	245857	4	16.93	2040610	20.0
5,16[1',2']:8,13[...	18.32	9.8	ng/ul	994794	4	16.93	2040610	20.0
9,10-Anthracenedione	18.37	13.3	ng/ul	1355770	4	16.93	2040610	20.0
Anthracene, 2-ethyl-	18.57	5.0	ng/ul	505097	4	16.93	2040610	20.0
Phenanthrene, 1,7...	18.62	2.8	ng/ul	286689	4	16.93	2040610	20.0
di-p-Tolylacetylene	18.66	2.7	ng/ul	277536	4	16.93	2040610	20.0
unknown-03	18.80	8.0	ng/ul	817292	4	16.93	2040610	20.0
9,10-Dimethylanth...	18.83	2.5	ng/ul	254244	4	16.93	2040610	20.0
Cyclopenta(def)ph...	18.89	10.2	ng/ul	1042210	4	16.93	2040610	20.0
Pyrene, 1-methyl-	19.71	2.8	ng/ul	1462000	5	21.15	10432600	20.0
11H-Benzo[b]fluorene	19.87	2.6	ng/ul	1362510	5	21.15	10432600	20.0
11H-Benzo[a]fluor...	20.63	2.4	ng/ul	1265980	5	21.15	10432600	20.0
Benzo[b]naphtho[2...	20.79	2.5	ng/ul	1299480	5	21.15	10432600	20.0
unknown-04	20.87	4.2	ng/ul	2192550	5	21.15	10432600	20.0
Benz[a]anthracene...	21.69	2.5	ng/ul	1289230	5	21.15	10432600	20.0