LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072315\
Data File : BG018080.D
Acq On : 24 Jul 2015 00:23
Operator : TP/UM
Sample : G3035-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02J6

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:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072315.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	6.694	677	682	697	rVB	110450	184920	2.40%	0.226%
2	7.047	736	742	748	rBV	120689	183041	2.37%	0.224%
3	7.511	815	821	828	rBV	198970	316589	4.10%	0.388%
4	8.228	937	943	951	rVB	155348	233548	3.03%	0.286%
5	8.662	1011	1017	1026	rVB	110546	181332	2.35%	0.222%
6	9.385	1133	1140	1145	rBV	95010	153376	1.99%	0.188%
7	9.920	1225	1231	1241	rBV	167972	265860	3.45%	0.326%
8	10.296	1288	1295	1300	rBV	320315	549396	7.12%	0.673%
9	10.437	1313	1319	1327	rBV	104134	185252	2.40%	0.227%
10	11.970	1574	1580	1586	rBV	97455	155590	2.02%	0.191%
11	13.598	1852	1857	1861	rVV	292846	407506	5.28%	0.499%
12	13.868	1896	1903	1908	rBV	351799	546007	7.08%	0.669%
13	14.179	1947	1956	1962	rVV2	529285	843958	10.94%	1.034%
14	14.244	1962	1967	1975	rVV	421658	626860	8.13%	0.768%
15	14.397	1986	1993	2001	rBV	135274	219920	2.85%	0.269%
16	14.579	2014	2024	2033	rVV	271436	424960	5.51%	0.520%
17	15.178	2120	2126	2131	rBV	446730	626559	8.12%	0.767%
18	15.231	2131	2135	2141	rVB	438528	603824	7.83%	0.739%
19	15.313	2144	2149	2154	rBV2	96196	180221	2.34%	0.221%
20	15.531	2181	2186	2196	rVB	107083	172064	2.23%	0.211%
21	15.678	2205	2211	2219	rVB	108564	219039	2.84%	0.268%
22	16.588	2361	2366	2374	rVB	182772	273644	3.55%	0.335%
23	16.688	2375	2383	2387	rBV2	118753	249863	3.24%	0.306%
24	16.753	2389	2394	2405	rVB	296677	449803	5.83%	0.551%
25	16.935	2416	2425	2428	rBV	633399	932443	12.09%	1.142%
26	16.982	2428	2433	2438	rVV	3483599	5267768	68.29%	6.451%
27	17.035	2438	2442	2445	rVV2	547981	831827	10.78%	1.019%
28	17.070	2445	2448	2453	rVV	965096	1217806	15.79%	1.491%
29	17.340	2490	2494	2499	rVB	347401	452804	5.87%	0.555%
30	17.517	2519	2524	2529	rBV	166138	235325	3.05%	0.288%
31	17.658	2544	2548	2556	rVB	111306	188959	2.45%	0.231%
32	17.816	2565	2575	2578	rBV	636133	985857	12.78%	1.207%
33	17.863	2578	2583	2590	rVB	862123	1232093	15.97%	1.509%
34	17.940	2590	2596	2601	rBV	272731	413172	5.36%	0.506%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072315\
Data File : BG018080.D
Acq On : 24 Jul 2015 00:23
Operator : TP/UM
Sample : G3035-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02J6

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:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072315.M
Title : SVOA CALIBRATION

35	18.004	2601	2607	2611	rBV2	847995	1517680	19.68%	1.859%
36	18.046	2611	2614	2621	rVB	462289	607161	7.87%	0.744%
37	18.322	2656	2661	2664	rVV	428447	571936	7.41%	0.700%
38	18.363	2664	2668	2674	rVB2	323776	464741	6.03%	0.569%
39	18.568	2699	2703	2708	rVV	197067	274150	3.55%	0.336%
40	18.621	2708	2712	2715	rVV	136557	178078	2.31%	0.218%
41	18.657	2715	2718	2723	rVB	137786	180837	2.34%	0.221%
42	18.745	2727	2733	2738	rBV	326324	572030	7.42%	0.701%
43	18.803	2738	2743	2747	rVV2	206740	404459	5.24%	0.495%
44	18.886	2752	2757	2765	rBV2	271188	542269	7.03%	0.664%
45	19.015	2772	2779	2784	rVB	3790245	5413413	70.18%	6.629%
46	19.080	2785	2790	2792	rBV2	112558	157992	2.05%	0.193%
47	19.109	2792	2795	2800	rVB4	103404	147411	1.91%	0.181%
48	19.215	2807	2813	2816	rBV3	117197	221771	2.88%	0.272%
49	19.250	2816	2819	2823	rVV	182422	239726	3.11%	0.294%
50	19.379	2830	2841	2848	rBV2	3783632	7713499	100.00%	9.446%
51	19.444	2848	2852	2859	rVB2	230062	381439	4.95%	0.467%
52	19.550	2866	2870	2876	rBV	210040	288056	3.73%	0.353%
53	19.614	2876	2881	2886	rVB2	236510	383412	4.97%	0.470%
54	19.702	2889	2896	2902	rBV2	359526	876502	11.36%	1.073%
55	19.838	2914	2919	2921	rBV3	310953	522225	6.77%	0.640%
56	19.873	2921	2925	2930	rVB	778145	1099812	14.26%	1.347%
57	19.973	2938	2942	2946	rBV	492820	590475	7.66%	0.723%
58	20.031	2946	2952	2955	rVV2	612068	912133	11.83%	1.117%
59	20.073	2955	2959	2963	rVV	262903	369382	4.79%	0.452%
60	20.172	2970	2976	2979	rBV	380987	514396	6.67%	0.630%
61	20.214	2979	2983	2988	rVB	439112	581384	7.54%	0.712%
62	20.466	3016	3026	3029	rBV8	165505	440783	5.71%	0.540%
63	20.590	3042	3047	3048	rBV2	96313	139521	1.81%	0.171%
64	20.619	3048	3052	3059	rVB	455449	699473	9.07%	0.857%
65	20.784	3073	3080	3084	rBV3	492166	926294	12.01%	1.134%
66	20.825	3084	3087	3090	rVV	519240	586063	7.60%	0.718%
67	20.866	3090	3094	3099	rVV2	331241	616012	7.99%	0.754%
68	20.919	3099	3103	3114	rVB2	529894	841684	10.91%	1.031%
69	21.024	3114	3121	3127	rBV	169526	418700	5.43%	0.513%
70	21.130	3130	3139	3144	rBV3	2781584	5141335	66.65%	6.296%
71	21.183	3144	3148	3157	rVB	2475984	3376635	43.78%	4.135%

LSC Area Percent Report

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Data File : BG018080.D
Acq On : 24 Jul 2015 00:23
Operator : TP/UM
Sample : G3035-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02J6

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:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072315.M
Title : SVOA CALIBRATION

72	21.295	3164	3167	3172	rBV	350915	475899	6.17%	0.583%
73	21.453	3189	3194	3198	rBV3	265244	434163	5.63%	0.532%
74	21.494	3198	3201	3205	rVB3	131990	169036	2.19%	0.207%
75	21.630	3220	3224	3227	rVV2	164660	260138	3.37%	0.319%
76	21.682	3227	3233	3237	rVV	624809	1021139	13.24%	1.251%
77	21.735	3238	3242	3247	rVV	360212	547556	7.10%	0.671%
78	21.800	3248	3253	3256	rVV2	219335	434157	5.63%	0.532%
79	21.829	3256	3258	3261	rVV	197917	235500	3.05%	0.288%
80	21.876	3262	3266	3268	rVV	302511	437173	5.67%	0.535%
81	21.906	3268	3271	3276	rVV3	318946	450866	5.85%	0.552%
82	21.970	3276	3282	3290	rVB3	235797	515358	6.68%	0.631%
83	22.147	3307	3312	3316	rBV2	132679	241802	3.13%	0.296%
84	22.429	3354	3360	3367	rBV2	125996	306813	3.98%	0.376%
85	22.681	3396	3403	3408	rBV2	1659555	3937234	51.04%	4.822%
86	22.840	3426	3430	3439	rVB	311841	500145	6.48%	0.612%
87	22.975	3448	3453	3460	rBV3	118402	320052	4.15%	0.392%
88	23.145	3476	3482	3487	rBV	1013479	1870262	24.25%	2.290%
89	23.192	3487	3490	3493	rVV2	306107	503945	6.53%	0.617%
90	23.239	3493	3498	3505	rVB	1523365	2810237	36.43%	3.441%
91	23.333	3506	3514	3518	rBV	557641	1115714	14.46%	1.366%
92	23.380	3518	3522	3530	rVB2	420537	837956	10.86%	1.026%
93	23.868	3601	3605	3616	rVB4	109758	237770	3.08%	0.291%
94	24.180	3653	3658	3671	rVB2	146502	375908	4.87%	0.460%
95	24.873	3771	3776	3782	rBV2	59957	142272	1.84%	0.174%
96	25.543	3881	3890	3901	rVB	671230	1990728	25.81%	2.438%
97	25.795	3927	3933	3941	rVB	154838	374158	4.85%	0.458%
98	25.889	3944	3949	3957	rVV3	95509	236663	3.07%	0.290%
99	26.224	3996	4006	4024	rVB	484044	1494299	19.37%	1.830%
100	26.565	4059	4064	4082	rVB3	112753	457294	5.93%	0.560%

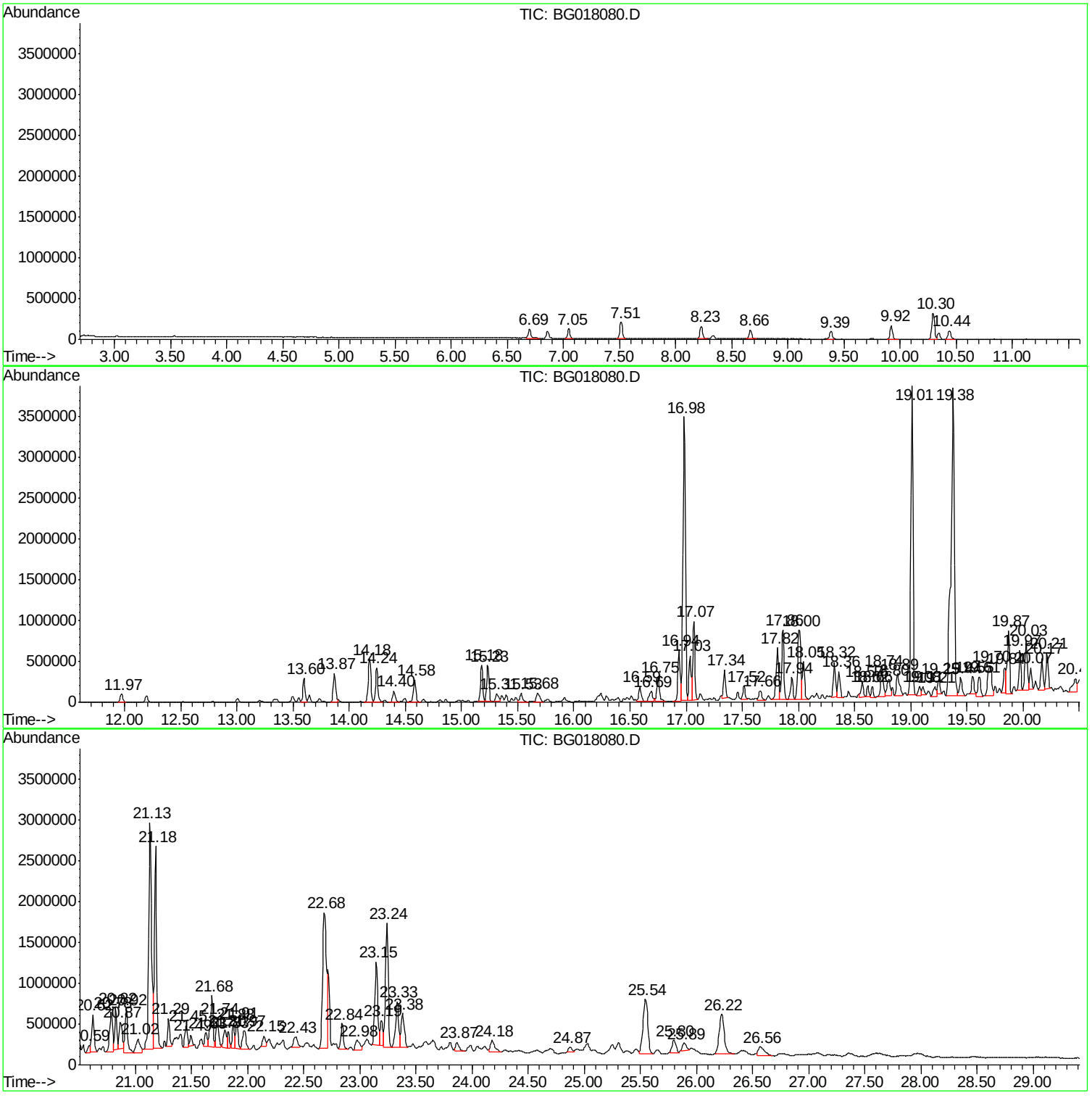
Sum of corrected areas: 81658292

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072315\
Data File : BG018080.D
Acq On : 24 Jul 2015 00:23
Operator : TP/UM
Sample : G3035-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C02J6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072315.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072315\
Data File : BG018080.D
Acq On : 24 Jul 2015 00:23
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Sample : G3035-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02J6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072315.M
Quant Title : SVOA CALIBRATION

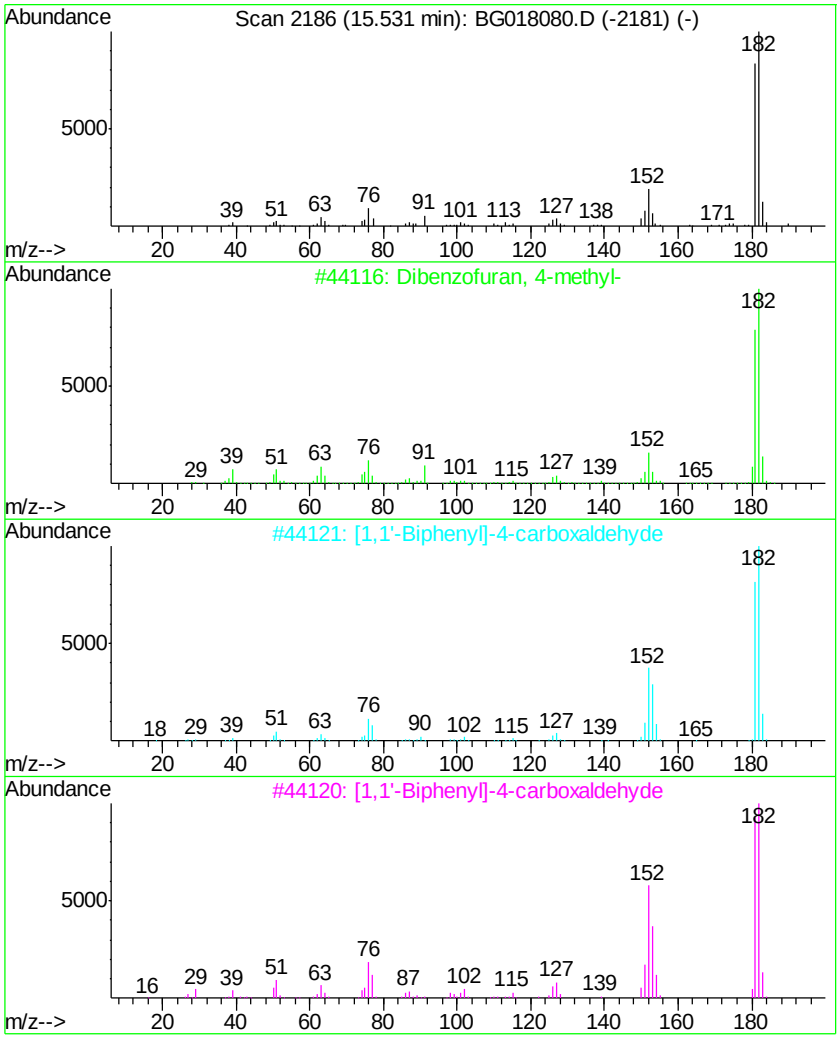
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

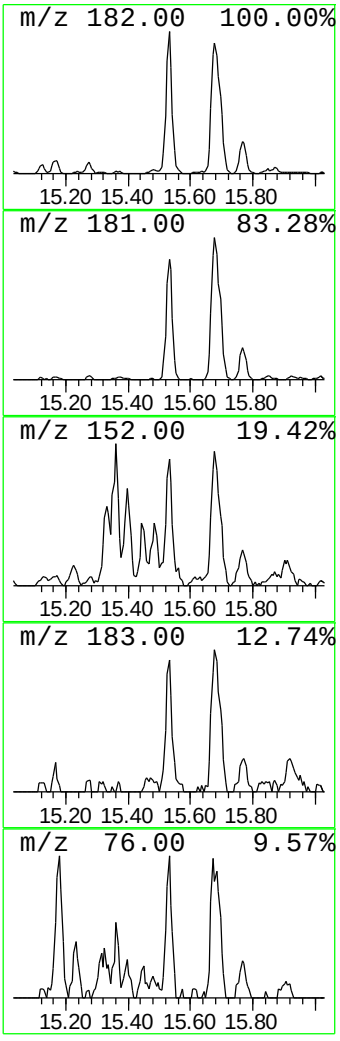
****

Peak Number 1 Dibenzofuran, 4-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	4.08 ng/ul	172064	Acenaphthene-d10	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72
5	Benzaldehyde, 4-hydroxy-3,5-dime...	182	C9H10O4	000134-96-3	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072315\
Data File : BG018080.D
Acq On : 24 Jul 2015 00:23
Operator : TP/UM
Sample : G3035-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02J6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072315.M
Quant Title : SVOA CALIBRATION

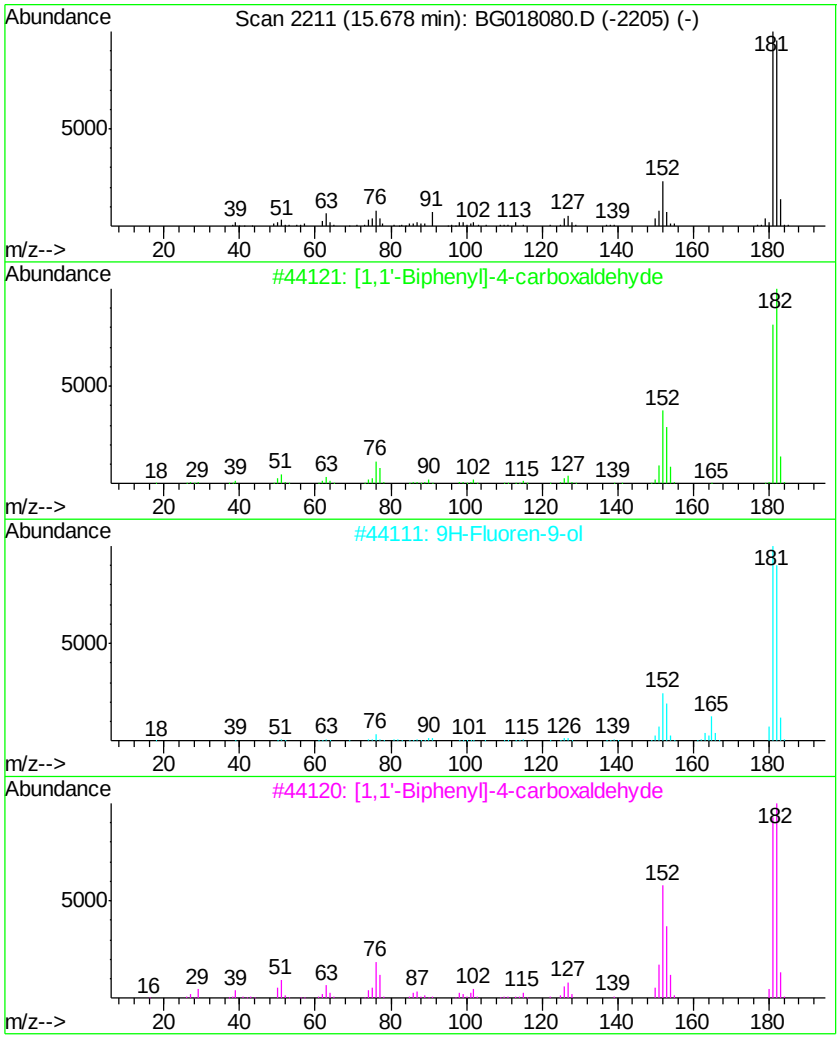
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

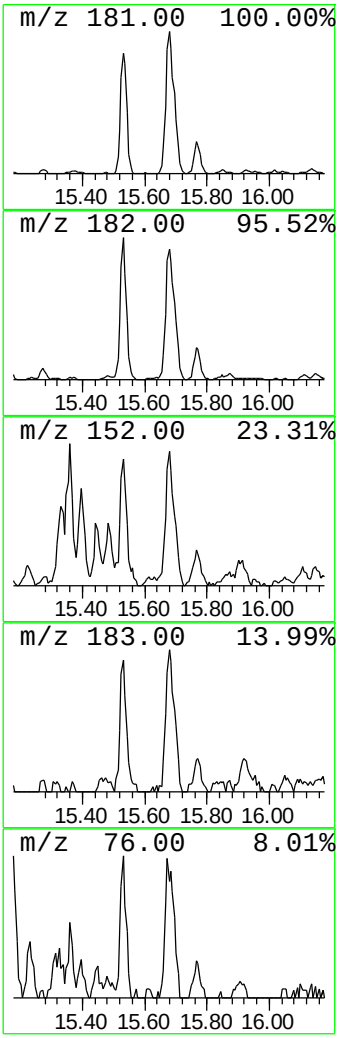
****

Peak Number 2 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	4.70 ng/ul	219039	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	76
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072315\
Data File : BG018080.D
Acq On : 24 Jul 2015 00:23
Operator : TP/UM
Sample : G3035-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02J6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072315.M
Quant Title : SVOA CALIBRATION

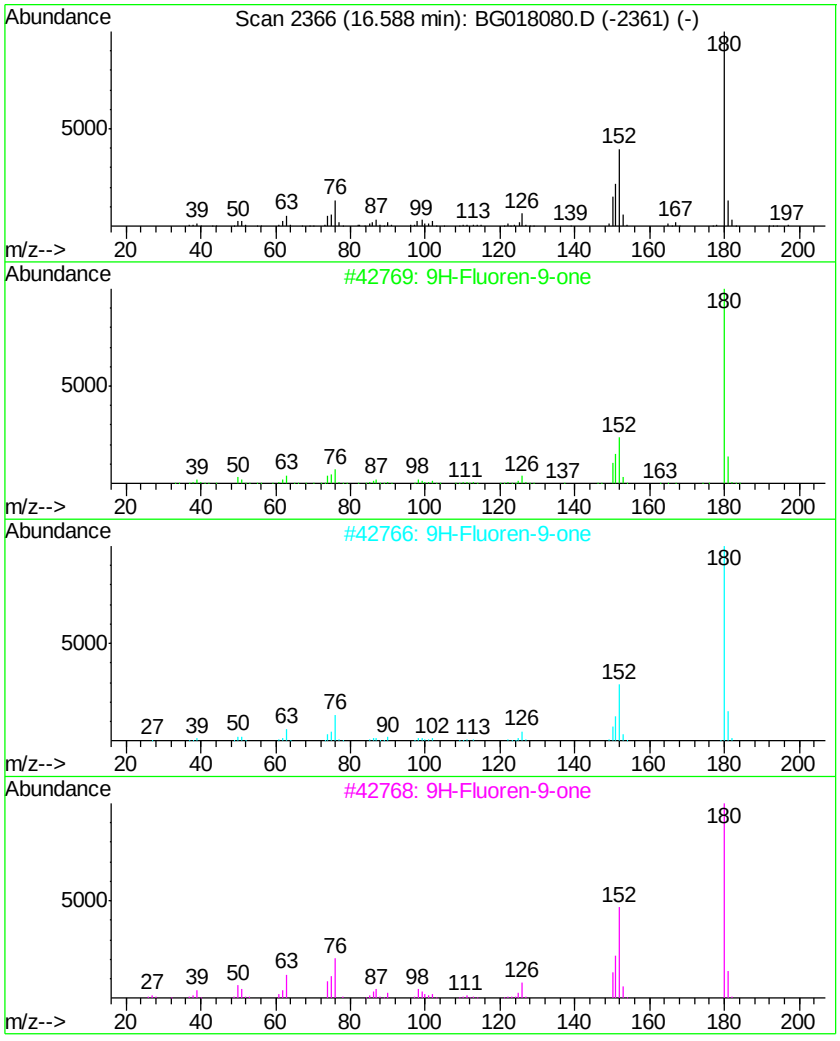
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

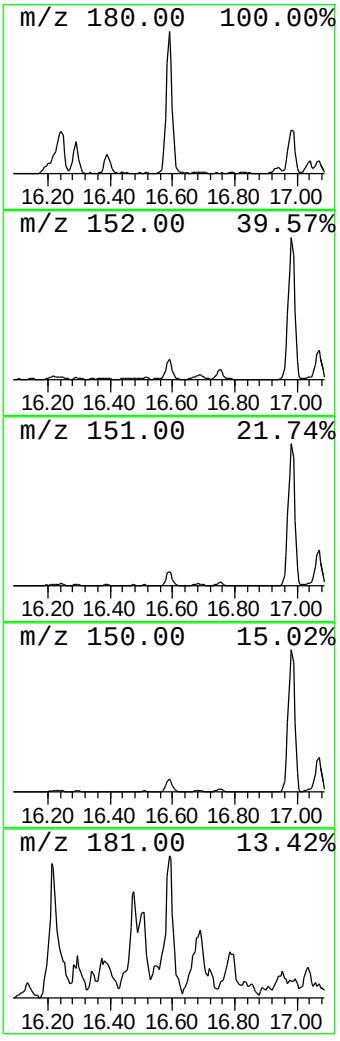
****

Peak Number 3 9H-Fluoren-9-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.59	5.87 ng/ul	273644	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	78





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072315\
Data File : BG018080.D
Acq On : 24 Jul 2015 00:23
Operator : TP/UM
Sample : G3035-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02J6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072315.M
Quant Title : SVOA CALIBRATION

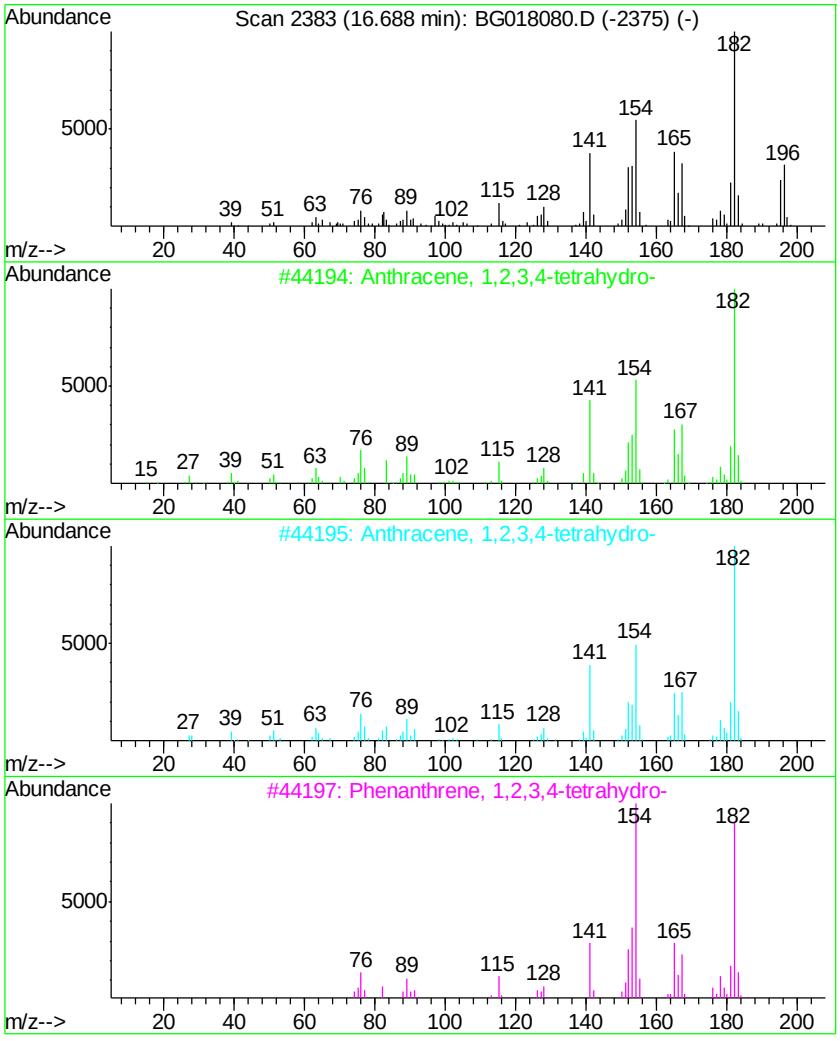
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

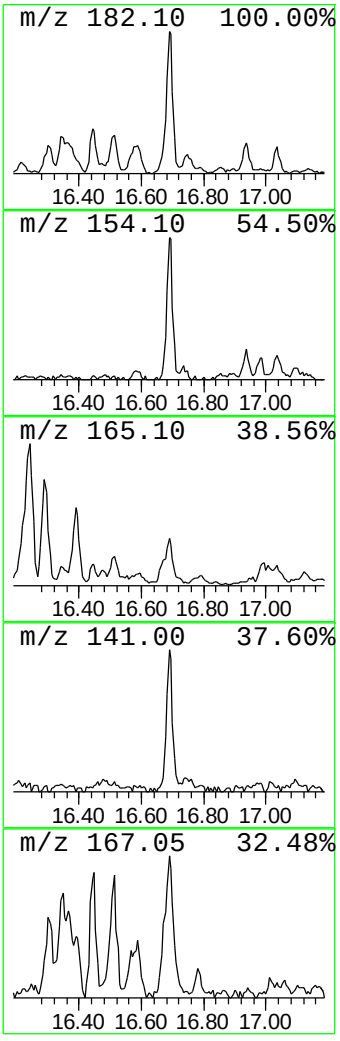
****

Peak Number 4 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.69	5.36 ng/ul	249863	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	95
2	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	86
3	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	83
4	2,3-Dihydro-1-oxo-1H-phenalene	182	C13H10O	000518-85-4	64
5	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	55





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072315\
Data File : BG018080.D
Acq On : 24 Jul 2015 00:23
Operator : TP/UM
Sample : G3035-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02J6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072315.M
Quant Title : SVOA CALIBRATION

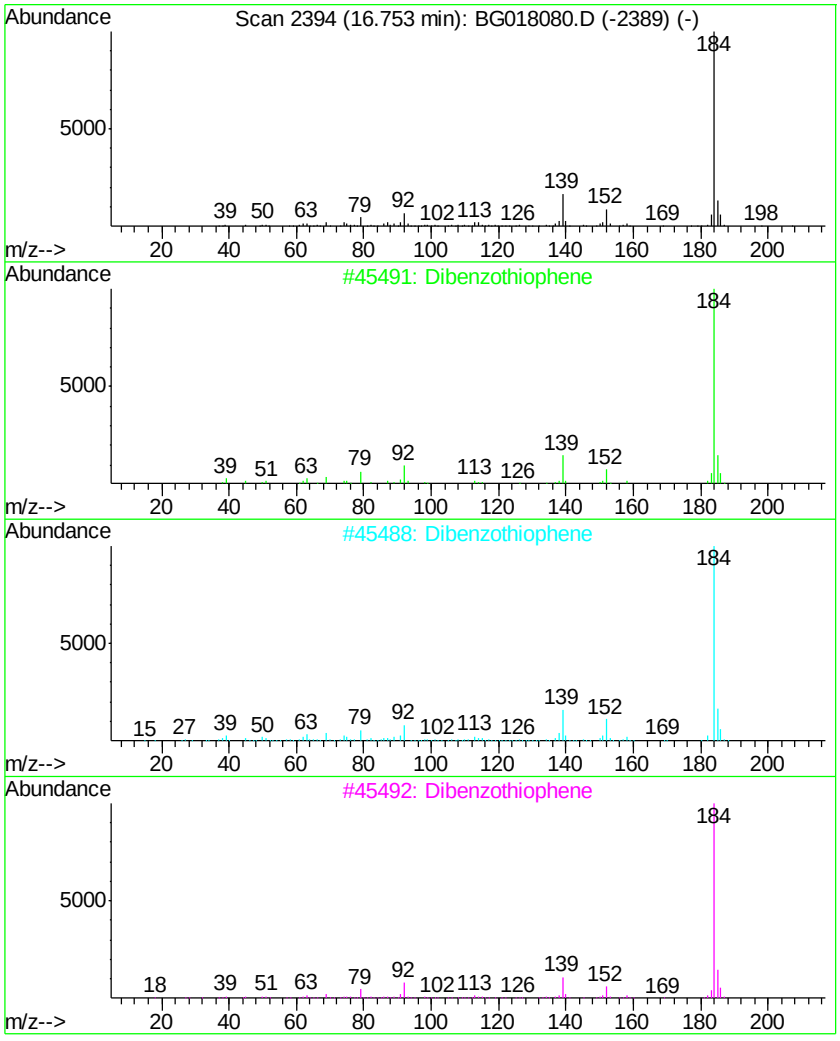
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

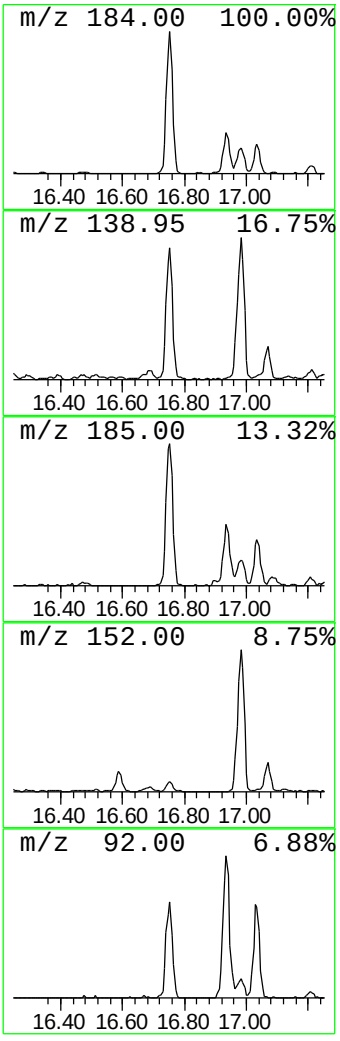
****

Peak Number 5 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.75	9.65 ng/ul	449803	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	96
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
5	Dibenzothiophene	184	C12H8S	000132-65-0	91





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Acq On : 24 Jul 2015 00:23
Operator : TP/UM
Sample : G3035-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02J6

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Quant Title : SVOA CALIBRATION

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

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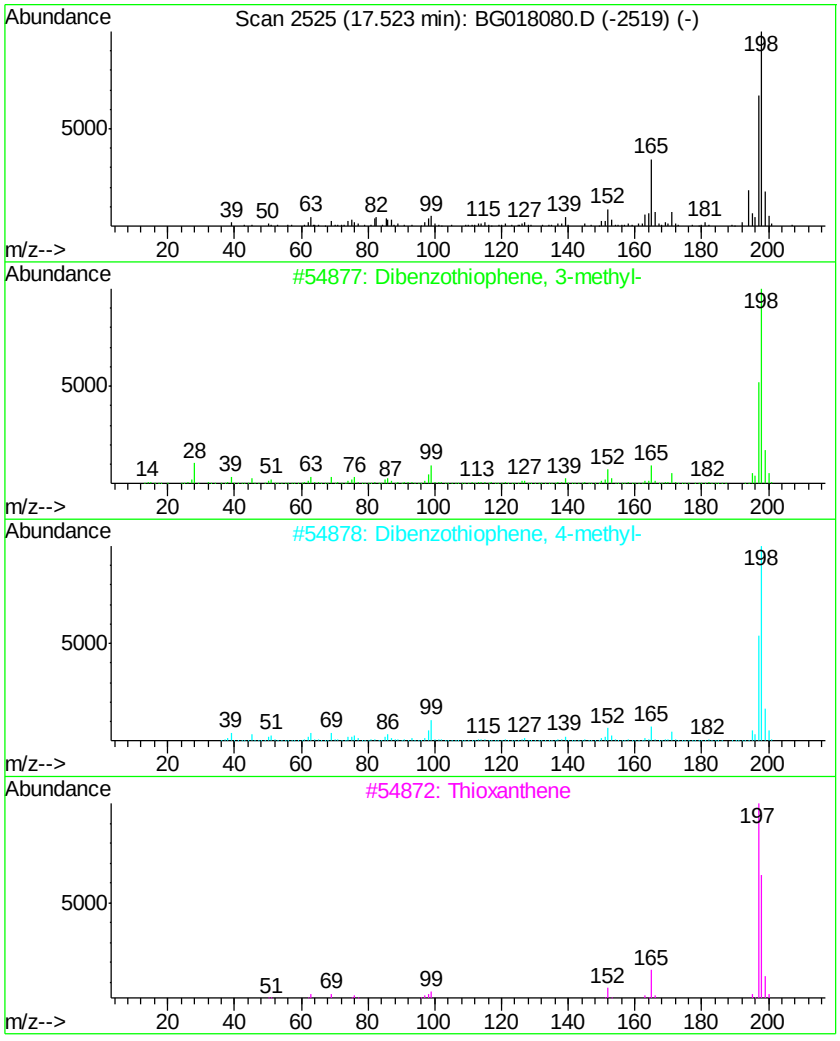
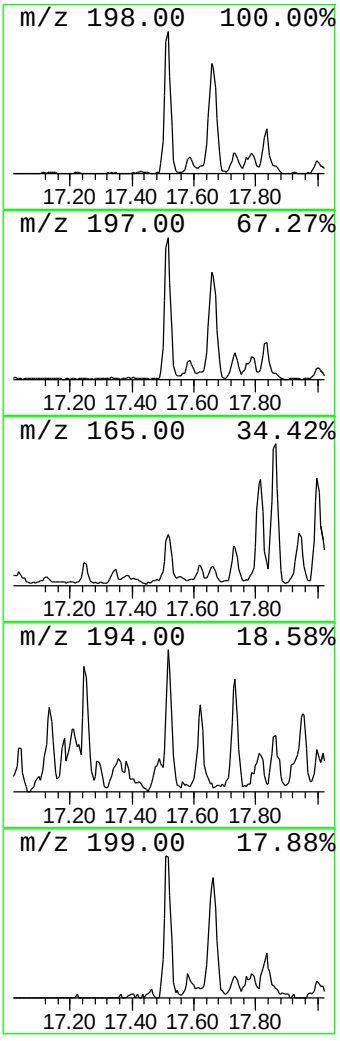
Peak Number 6 Dibenzothiophene, 3-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.52	5.05 ng/ul	235325	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	91
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	91
3	Thioxanthene	198	C13H10S	000261-31-4	83
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64
5	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	64





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Instrument : BNA_G
ClientSampleId : C02J6

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Quant Title : SVOA CALIBRATION

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

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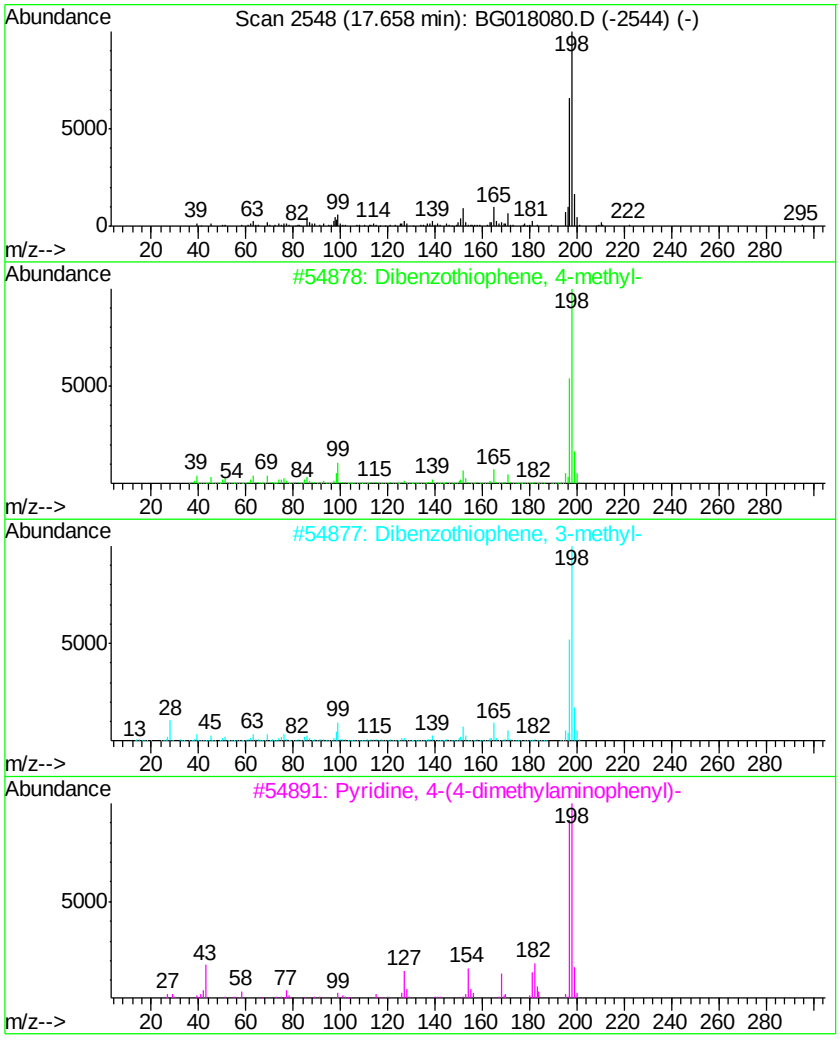
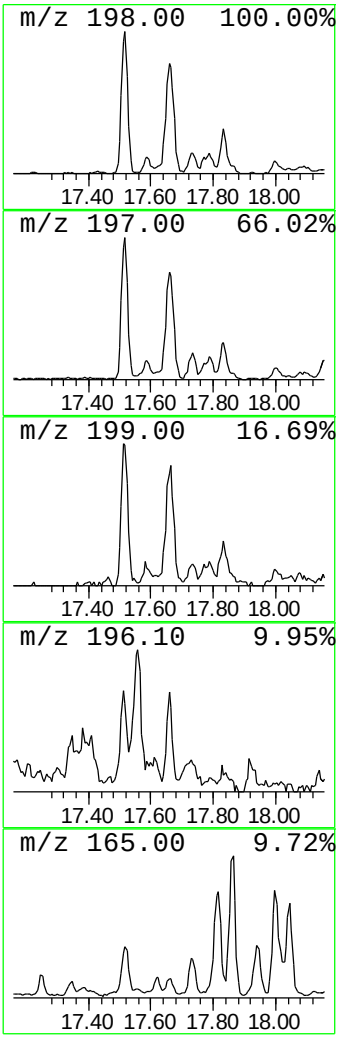
Peak Number 7 Dibenzothiophene, 4-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.66	4.05 ng/ul	188959	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	90
3	Pyridine, 4-(4-dimethylaminophen...	198	C13H14N2	001137-80-0	59
4	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	59
5	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	59





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Instrument : BNA_G
ClientSampleId : C02J6

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Quant Title : SVOA CALIBRATION

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

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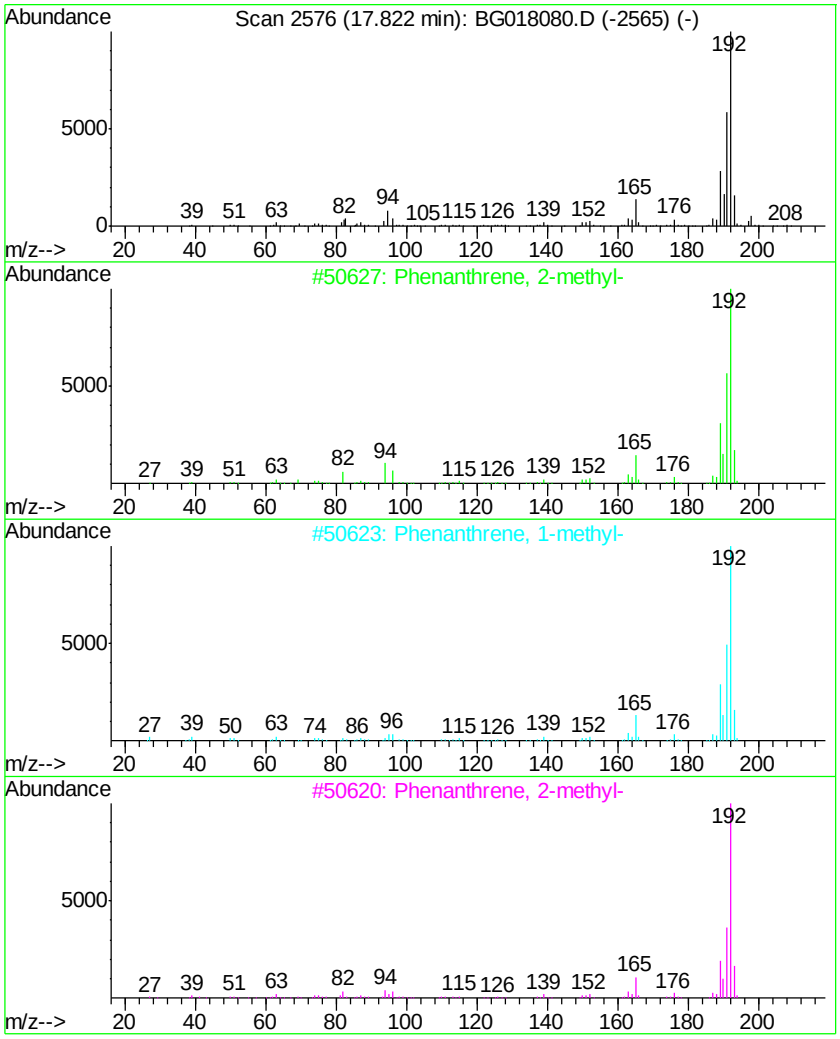
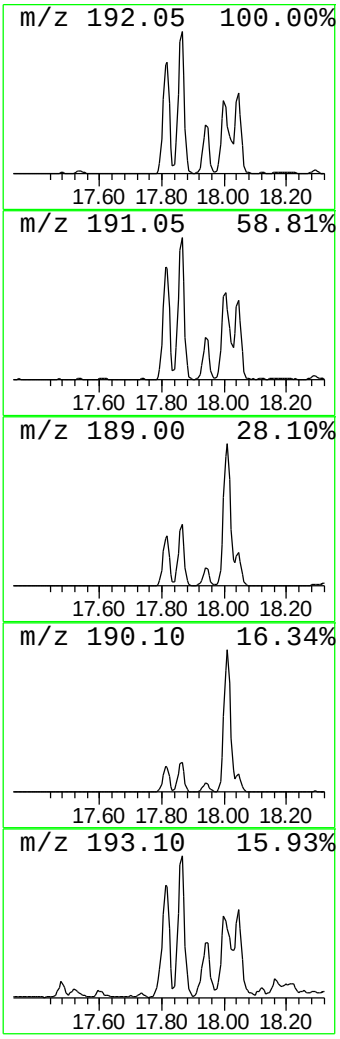
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.82	21.15 ng/ul	985857	Phenanthrene-d10	16.94

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	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02J6

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Quant Title : SVOA CALIBRATION

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

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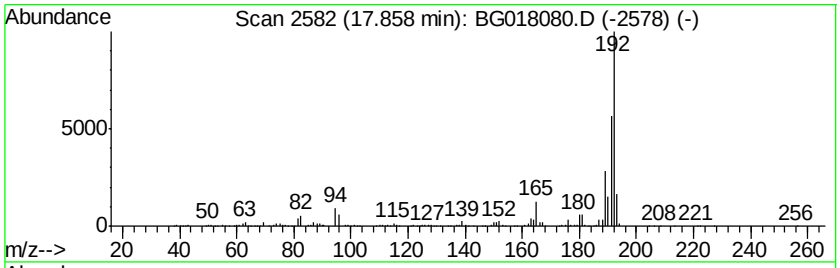
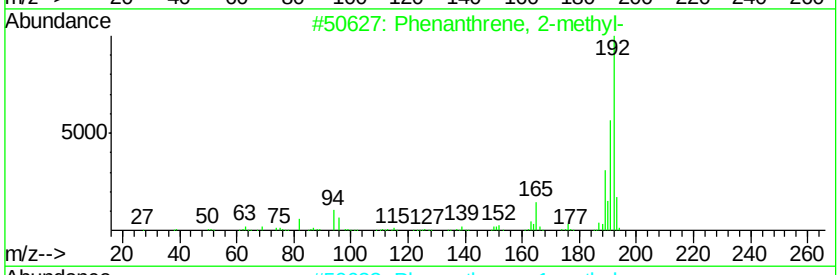
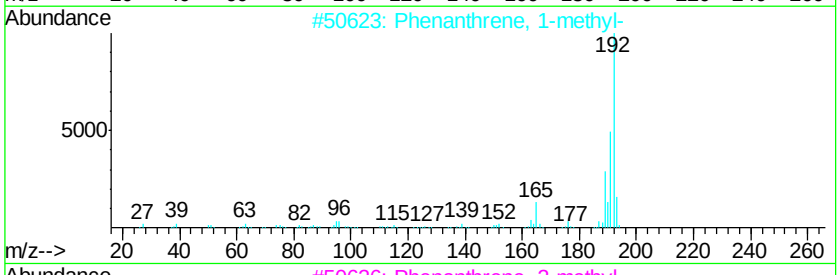
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 2

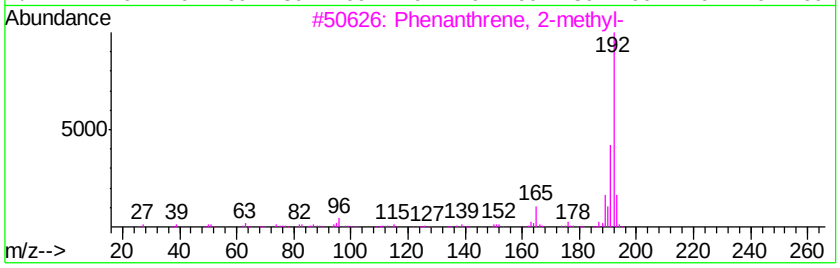
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	26.43 ng/ul	1232090	Phenanthrene-d10	16.94

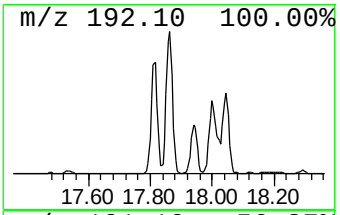
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95

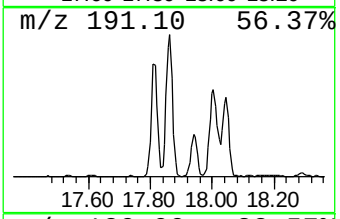


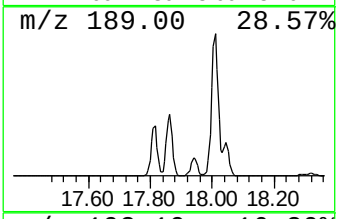


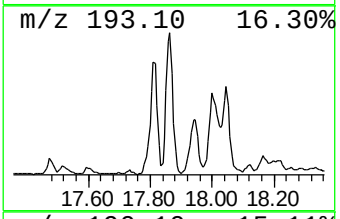


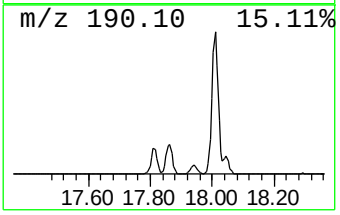












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Acq On : 24 Jul 2015 00:23
Operator : TP/UM
Sample : G3035-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02J6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072315.M
Quant Title : SVOA CALIBRATION

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

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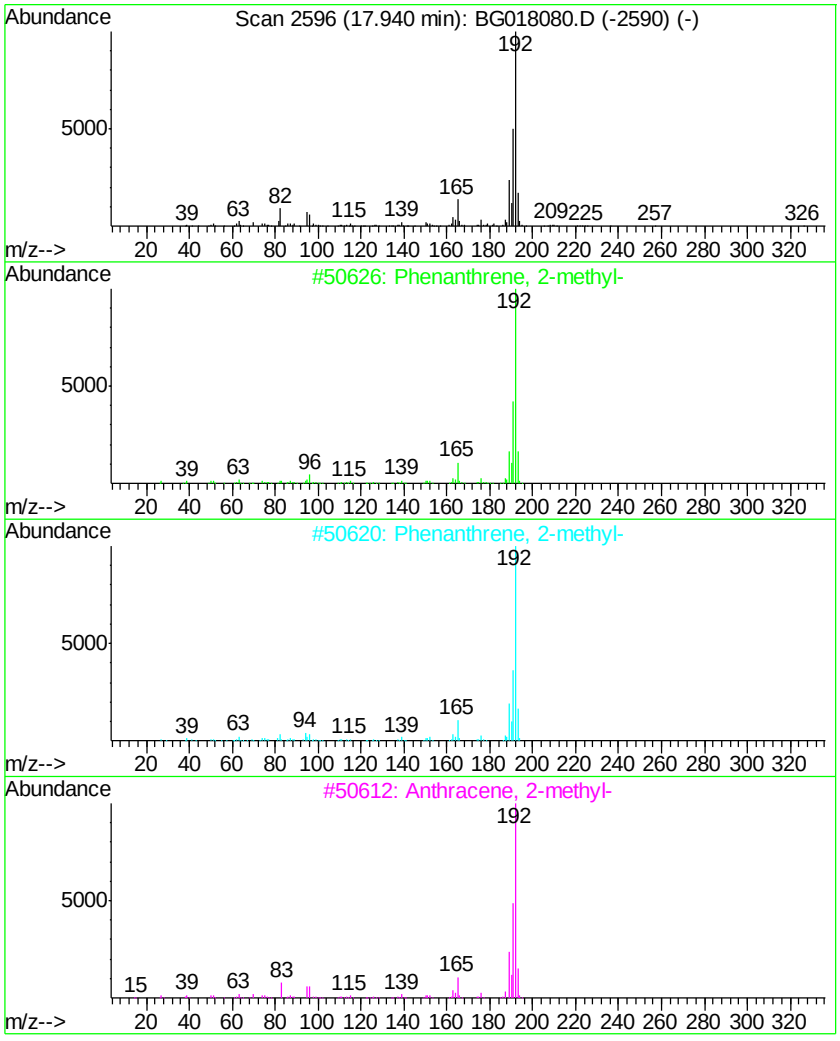
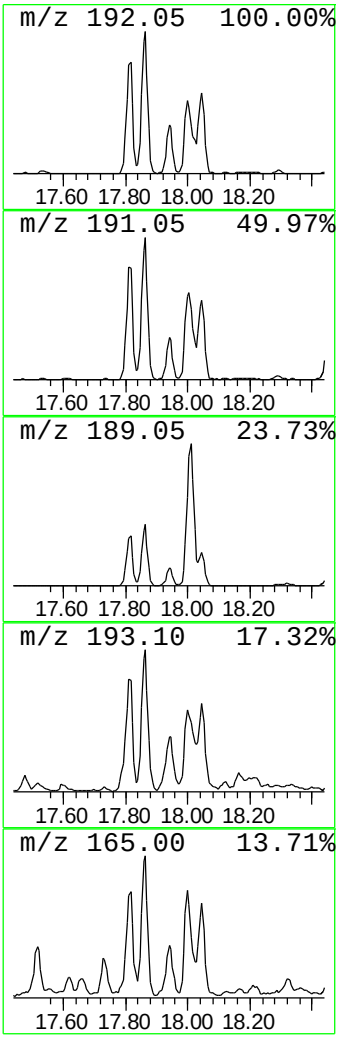
Peak Number 10 Anthracene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	8.86 ng/ul	413172	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Operator : TP/UM
Sample : G3035-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02J6

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Quant Title : SVOA CALIBRATION

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

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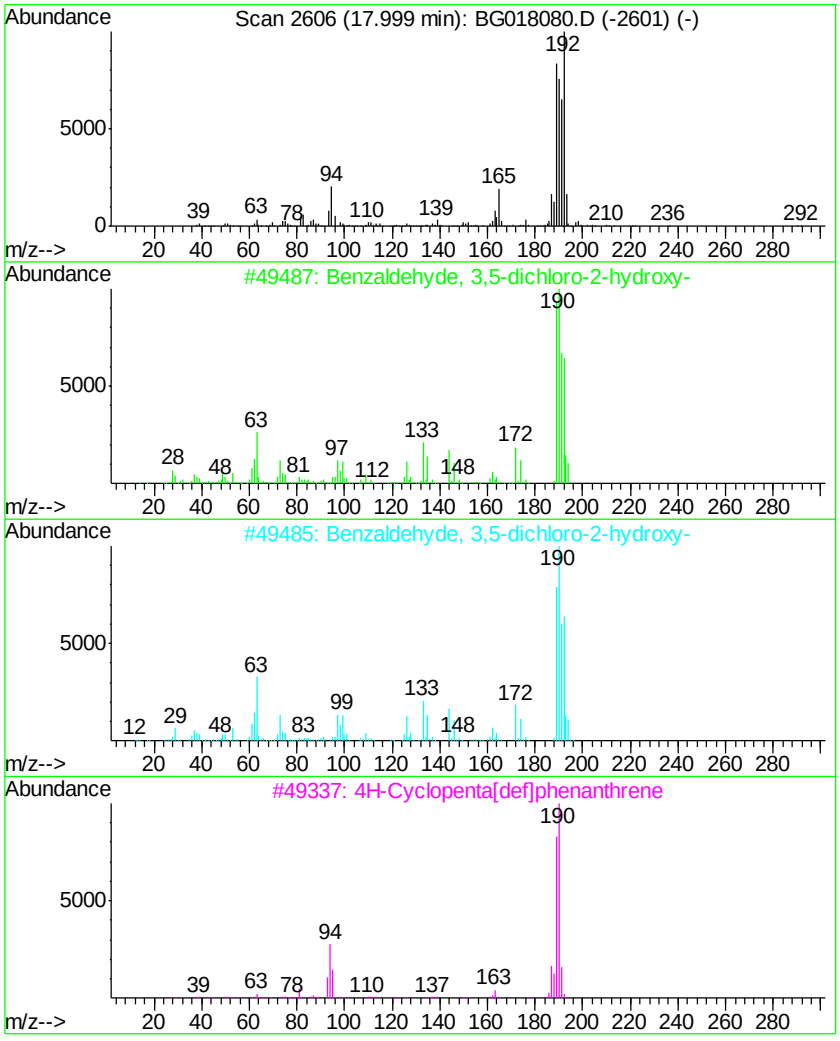
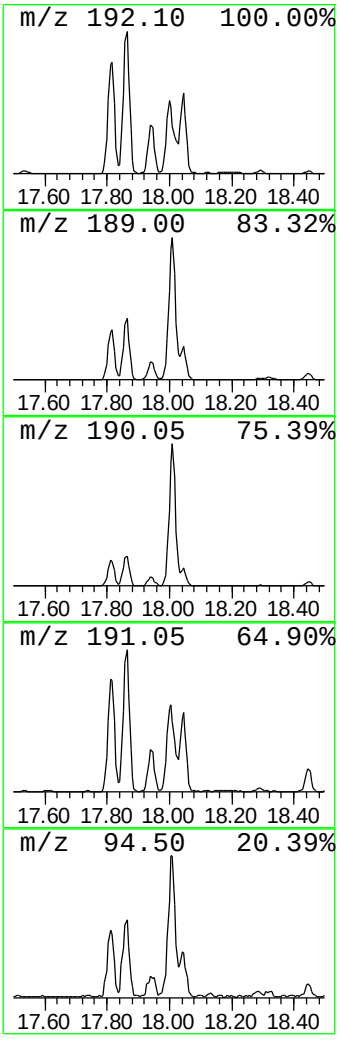
Peak Number 11 Benzaldehyde, 3,5-dichloro-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	32.55 ng/ul	1517680	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	38





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Instrument : BNA_G
ClientSampleId : C02J6

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Quant Title : SVOA CALIBRATION

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

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Peak Number 12 Anthracene, 9-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	13.02 ng/ul	607161	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
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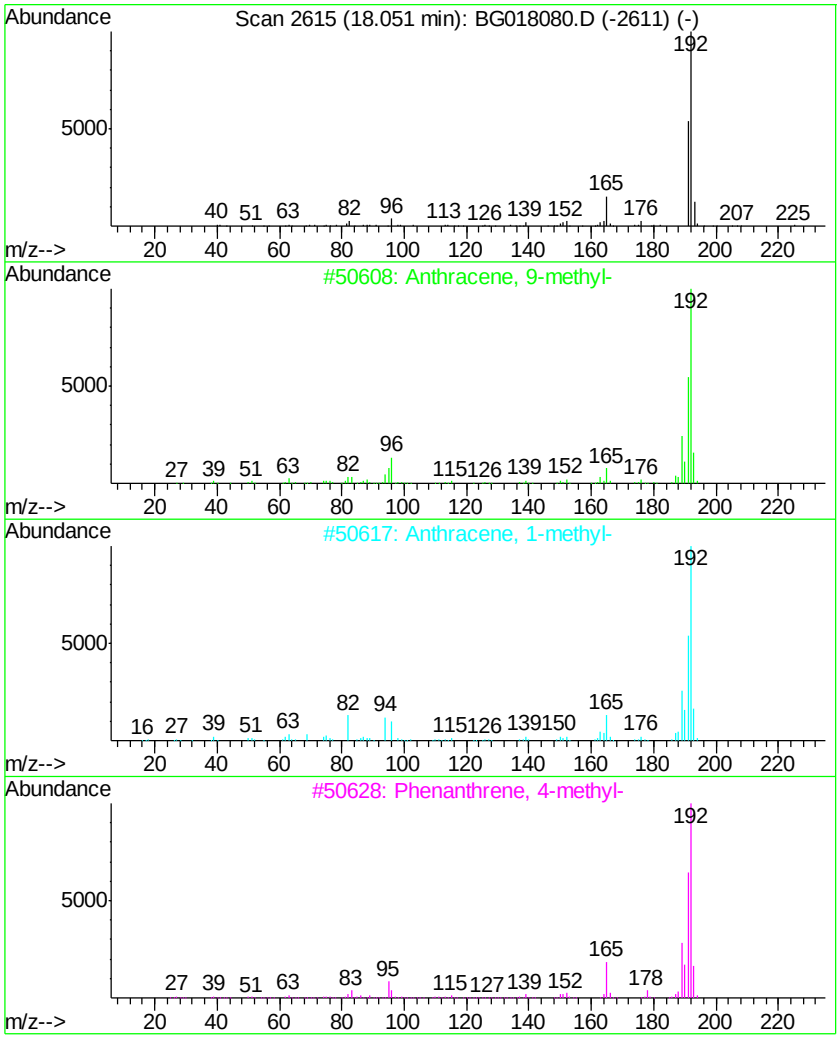
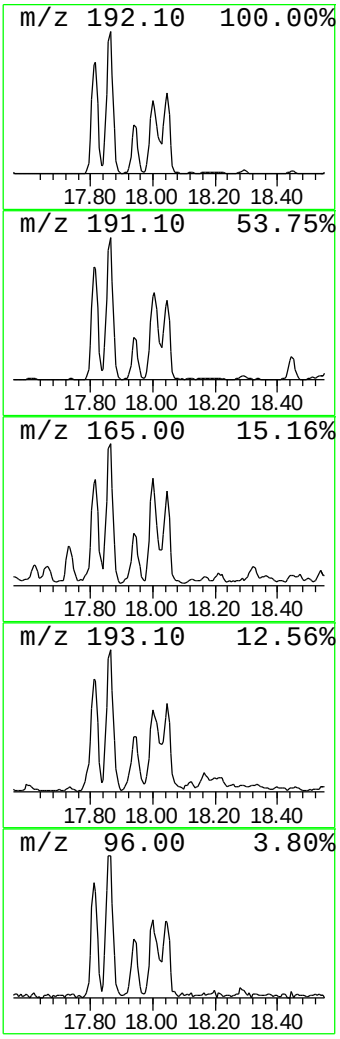
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87





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ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02J6

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Quant Title : SVOA CALIBRATION

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

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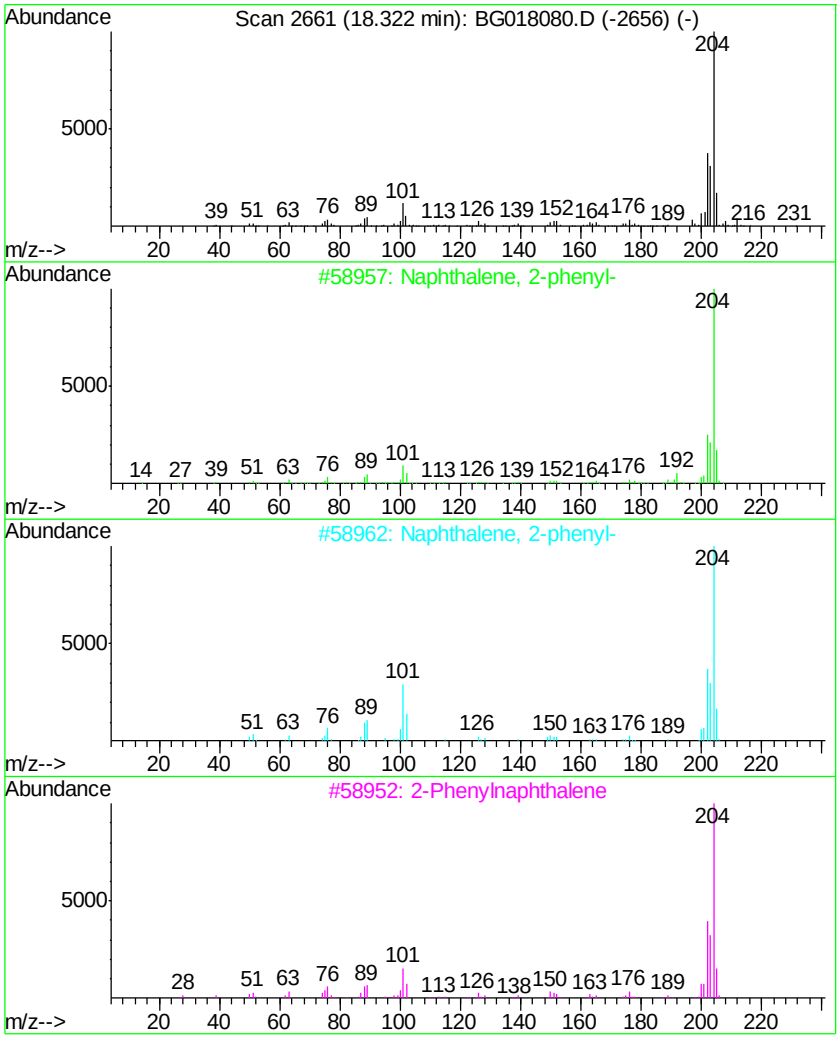
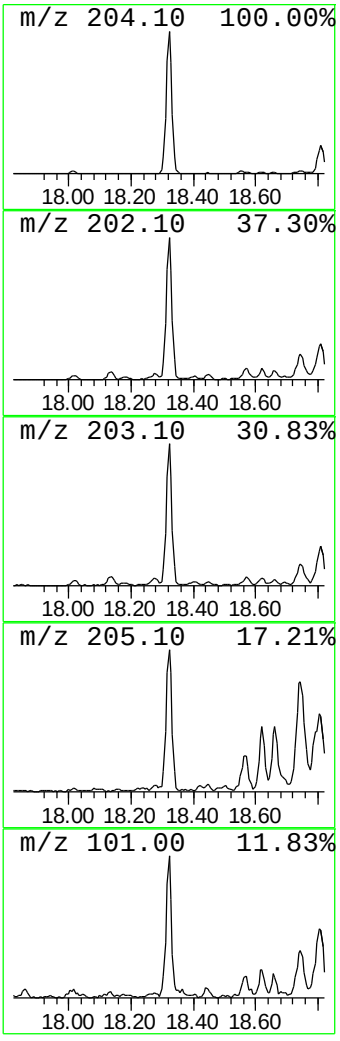
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	12.27 ng/ul	571936	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	89
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

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

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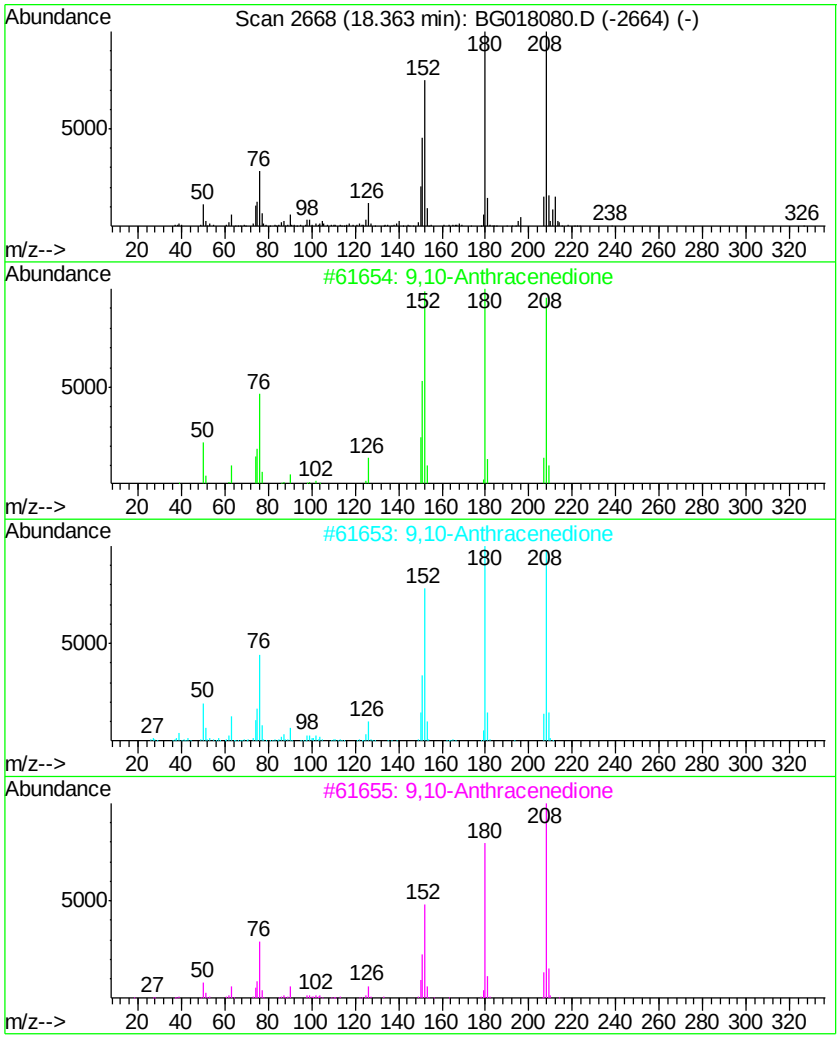
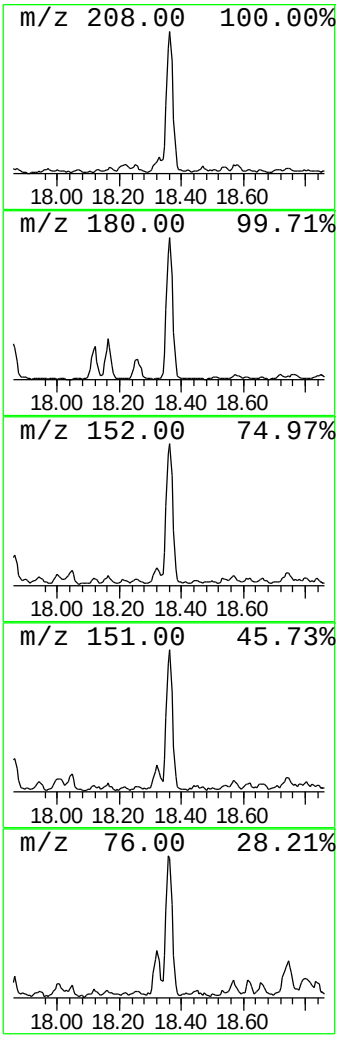
Peak Number 14 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	9.97 ng/ul	464741	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	60





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Quant Title : SVOA CALIBRATION

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

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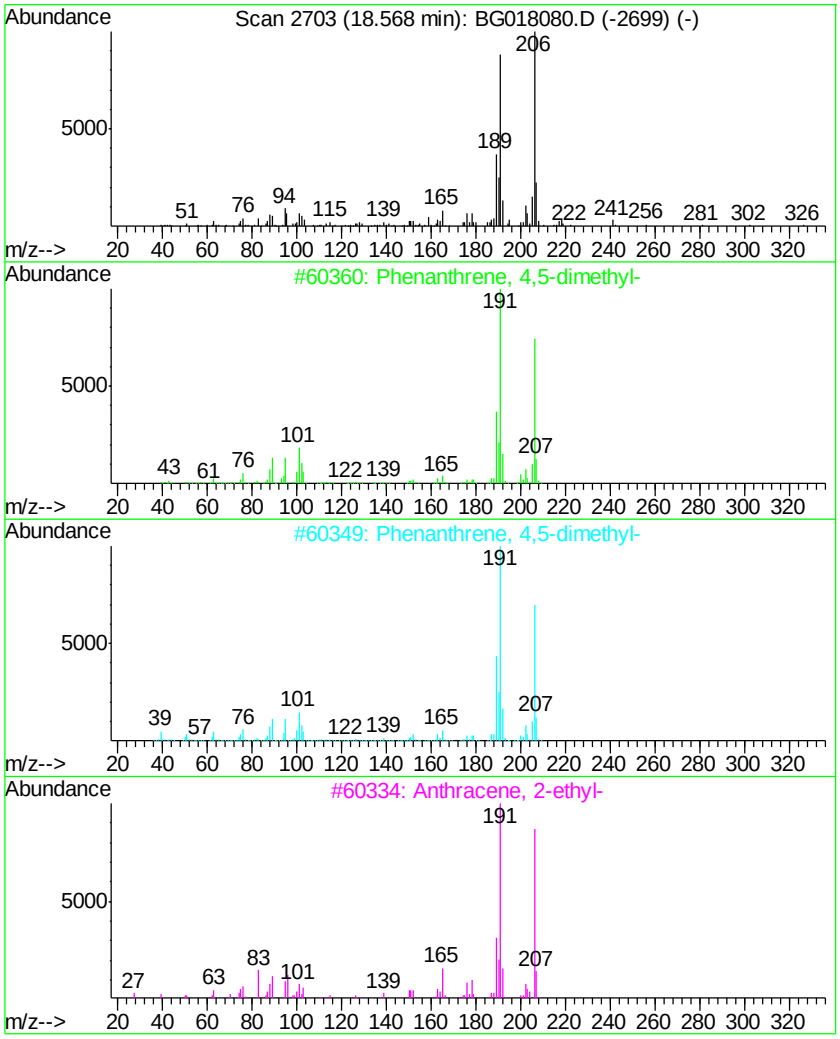
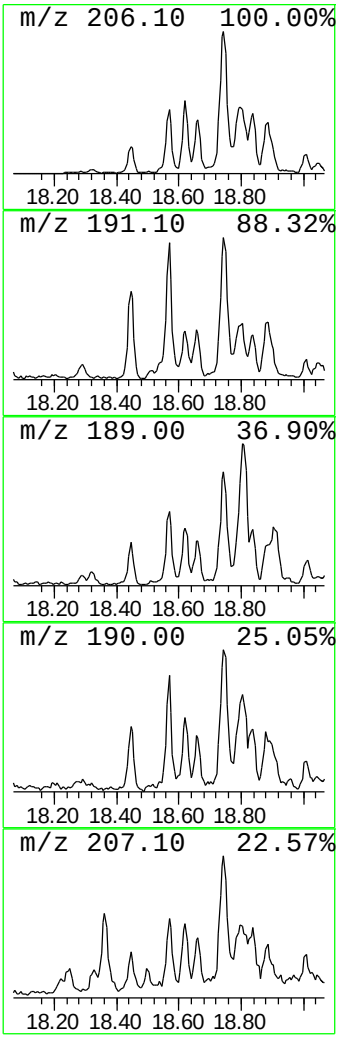
Peak Number 15 Phenanthrene, 4,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	5.88 ng/ul	274150	Phenanthrene-d10	16.94

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	93
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	91
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91





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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02J6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072315.M
Quant Title : SVOA CALIBRATION

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

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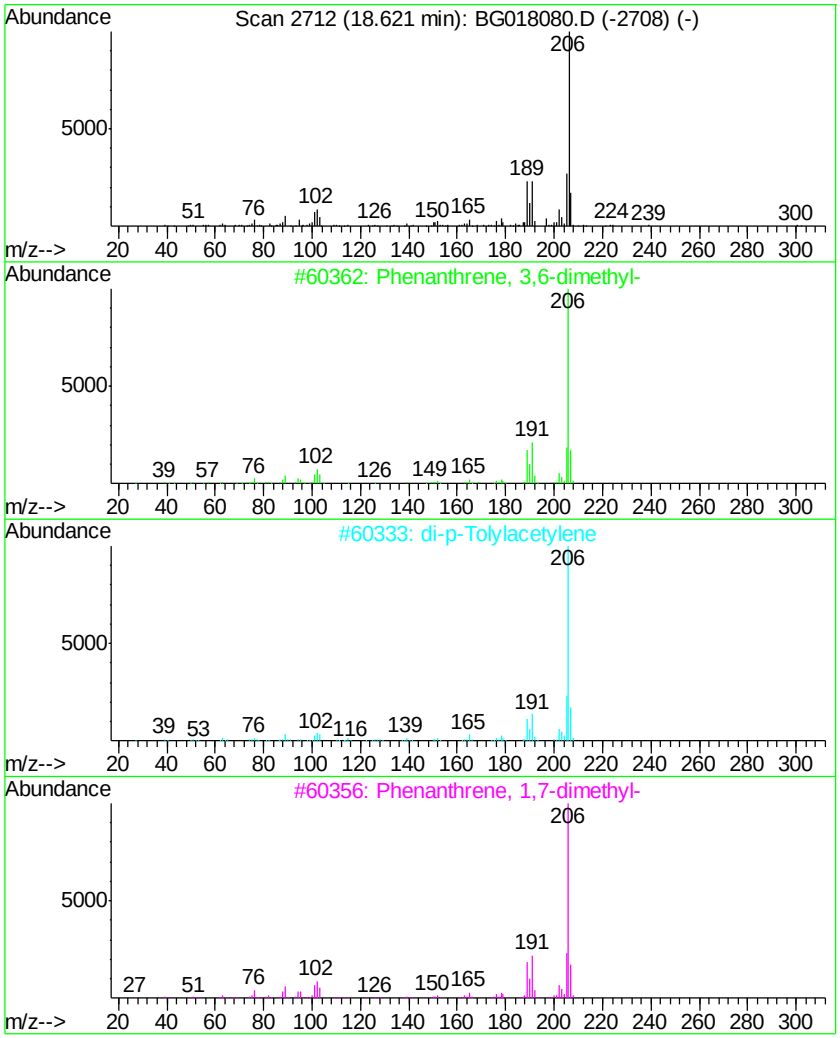
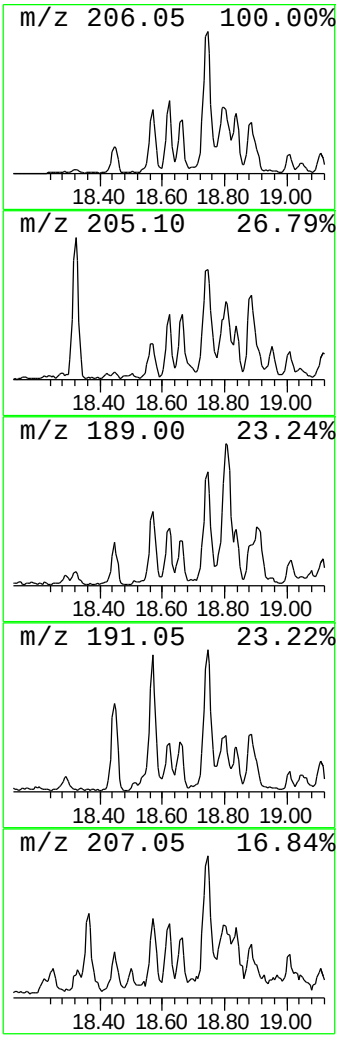
Peak Number 16 Phenanthrene, 3,6-dimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	3.82 ng/ul	178078	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90





Library Search Compound Report

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Operator : TP/UM
Sample : G3035-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02J6

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Quant Title : SVOA CALIBRATION

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

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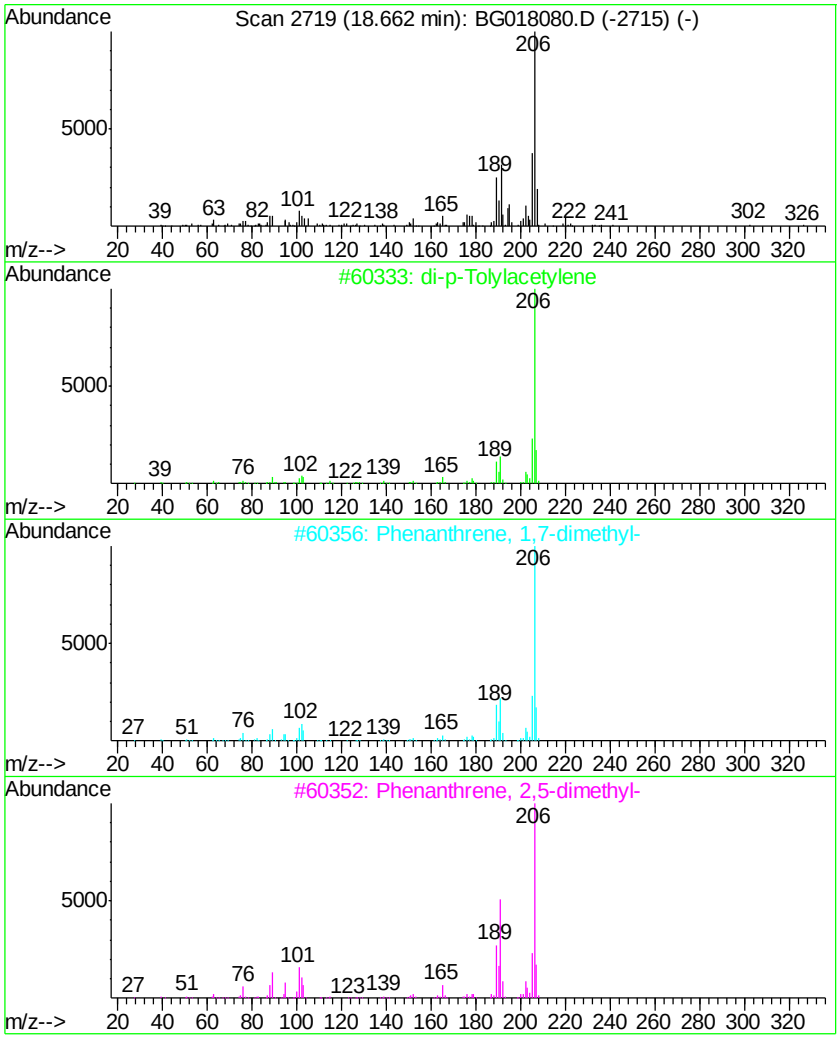
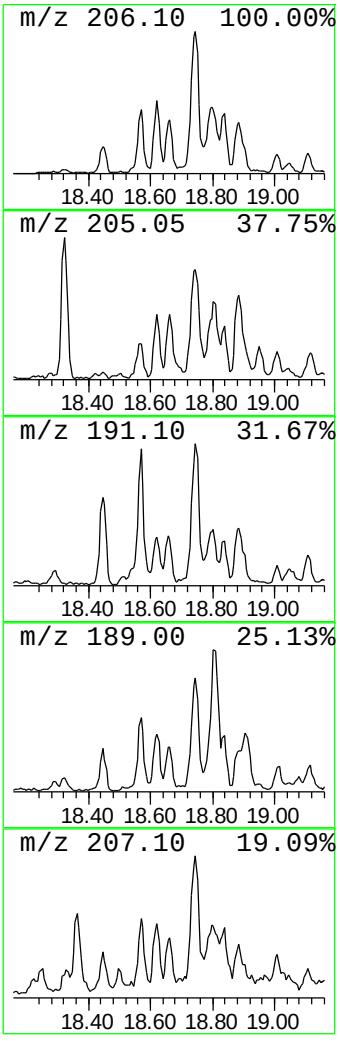
Peak Number 17 di-p-Tolylacetylene Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	3.88 ng/ul	180837	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	86
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	86





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ClientSampleId : C02J6

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Quant Title : SVOA CALIBRATION

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

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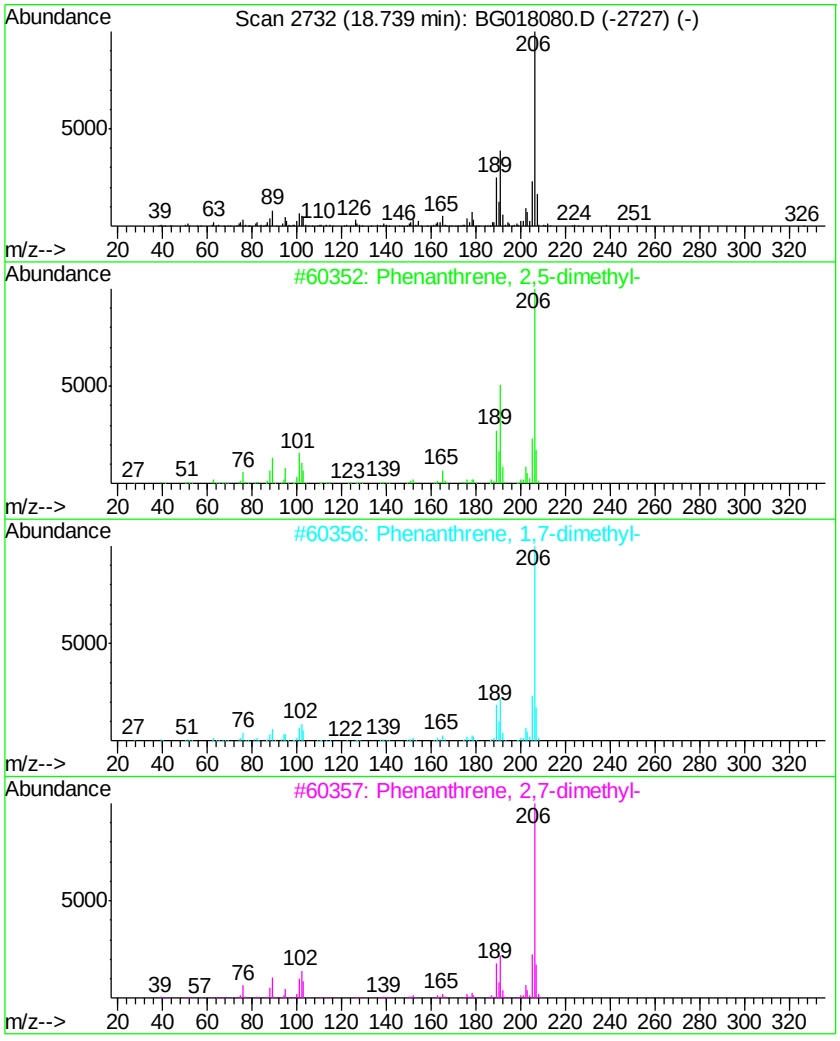
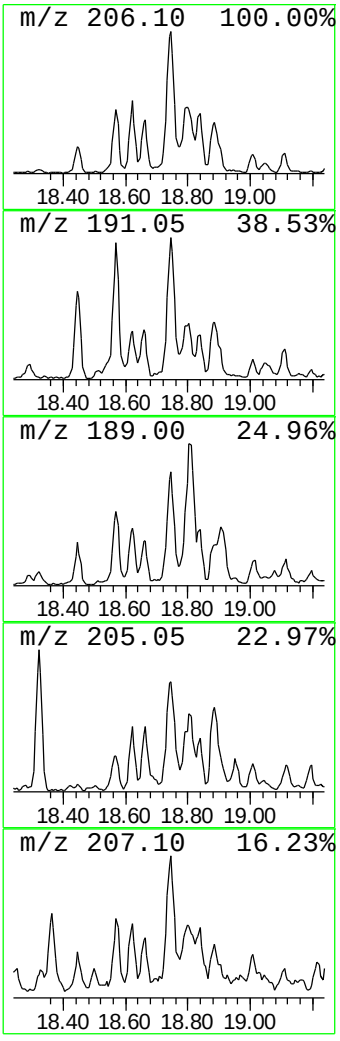
Peak Number 18 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.74	12.27 ng/ul	572030	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	92
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





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Instrument : BNA_G
ClientSampleId : C02J6

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Quant Title : SVOA CALIBRATION

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

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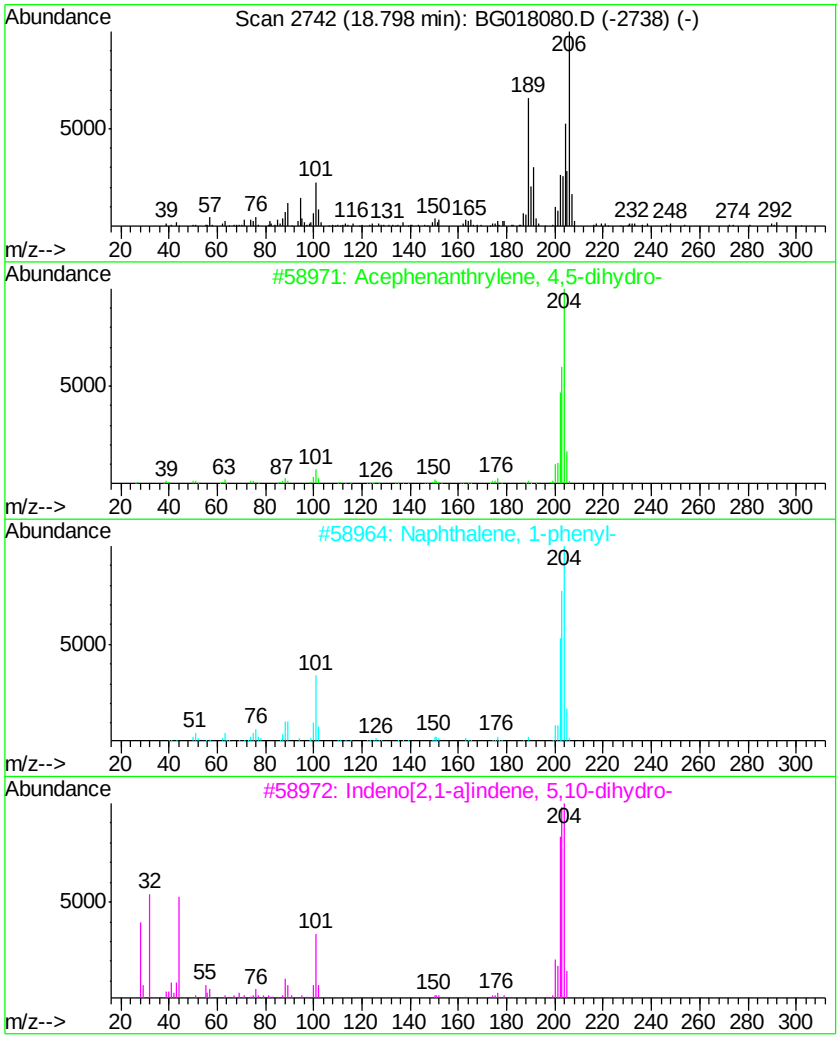
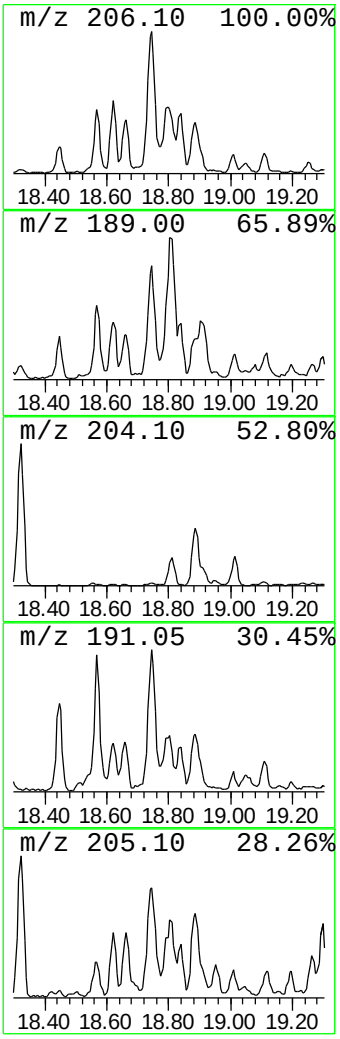
Peak Number 19 unknown-01 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.80	8.68 ng/ul	404459	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	47
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	42
3	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	41
4	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	38
5	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38





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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02J6

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Quant Title : SVOA CALIBRATION

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

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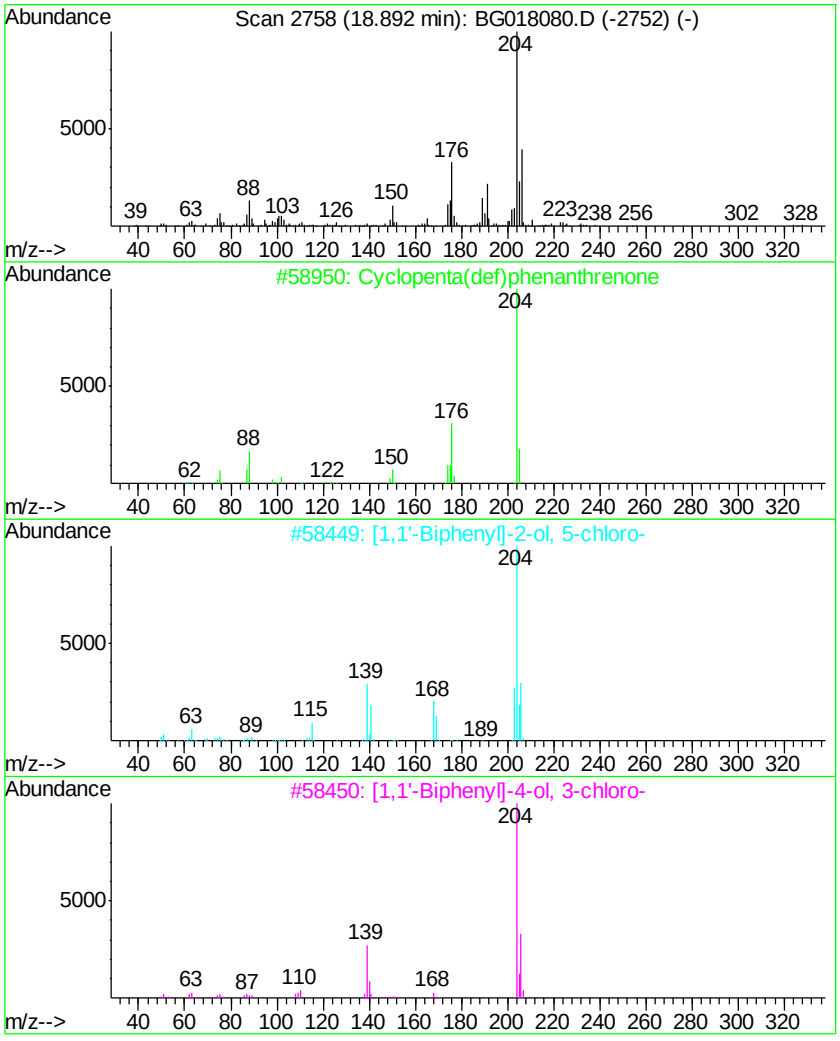
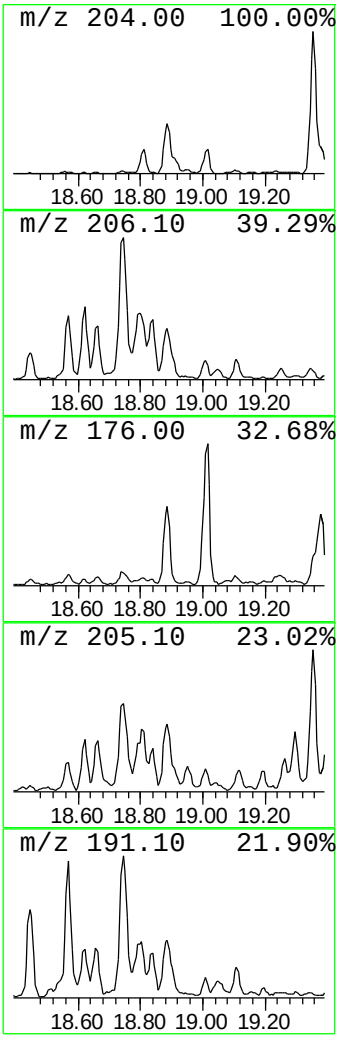
Peak Number 20 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.89	11.63 ng/ul	542269	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	49
3	[1,1'-Biphenyl]-4-ol, 3-chloro-	204	C12H9ClO	000092-04-6	43
4	Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	43
5	Benzene, 1-chloro-4-phenoxy-	204	C12H9ClO	007005-72-3	38





Library Search Compound Report

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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02J6

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Quant Title : SVOA CALIBRATION

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

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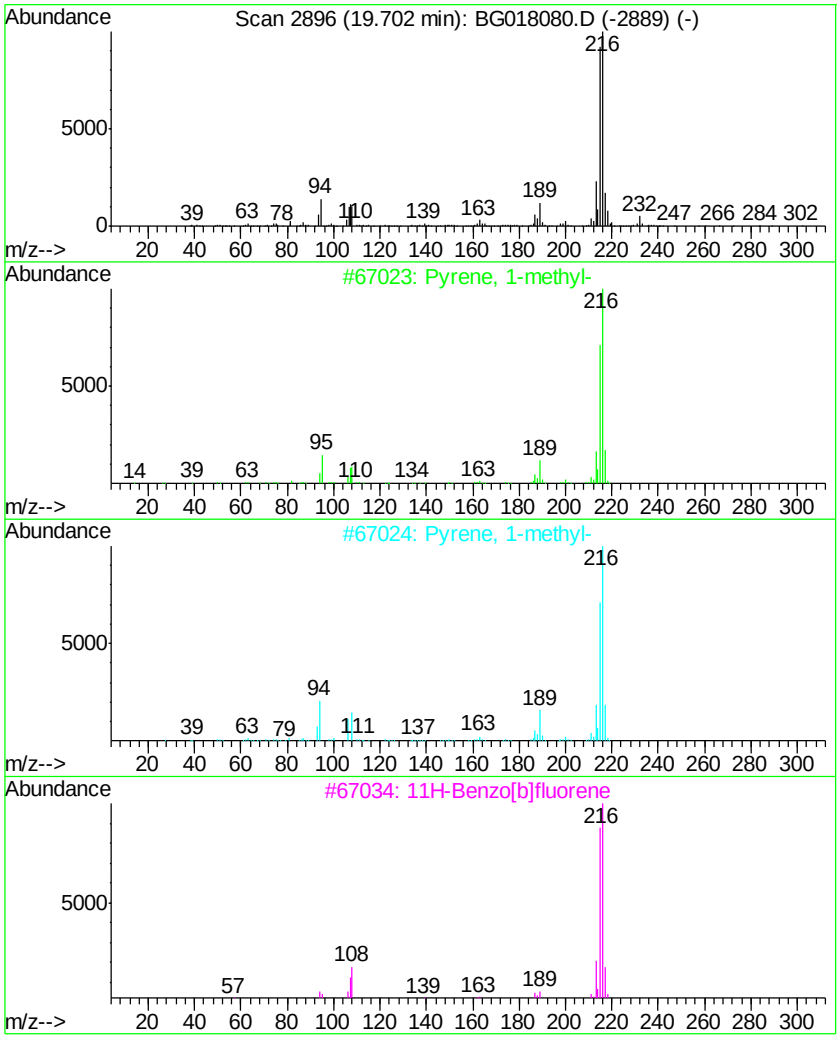
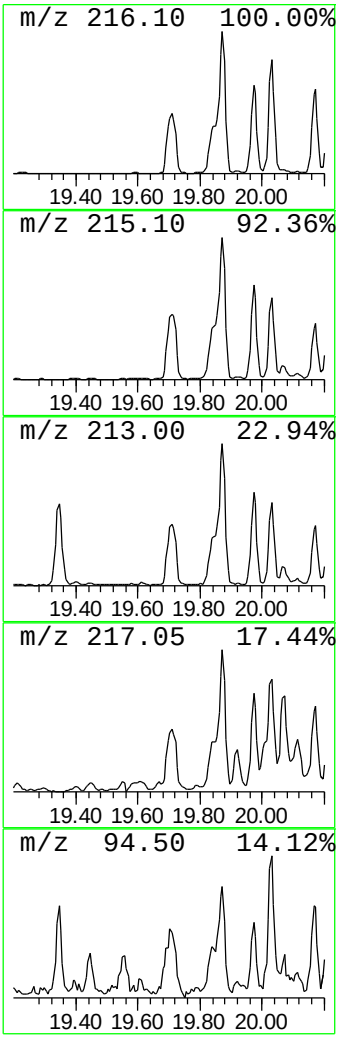
Peak Number 21 Pyrene, 1-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.70	3.41 ng/ul	876502	Chrysene-d12	21.14

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	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





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Acq On : 24 Jul 2015 00:23
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Sample : G3035-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02J6

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Quant Title : SVOA CALIBRATION

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

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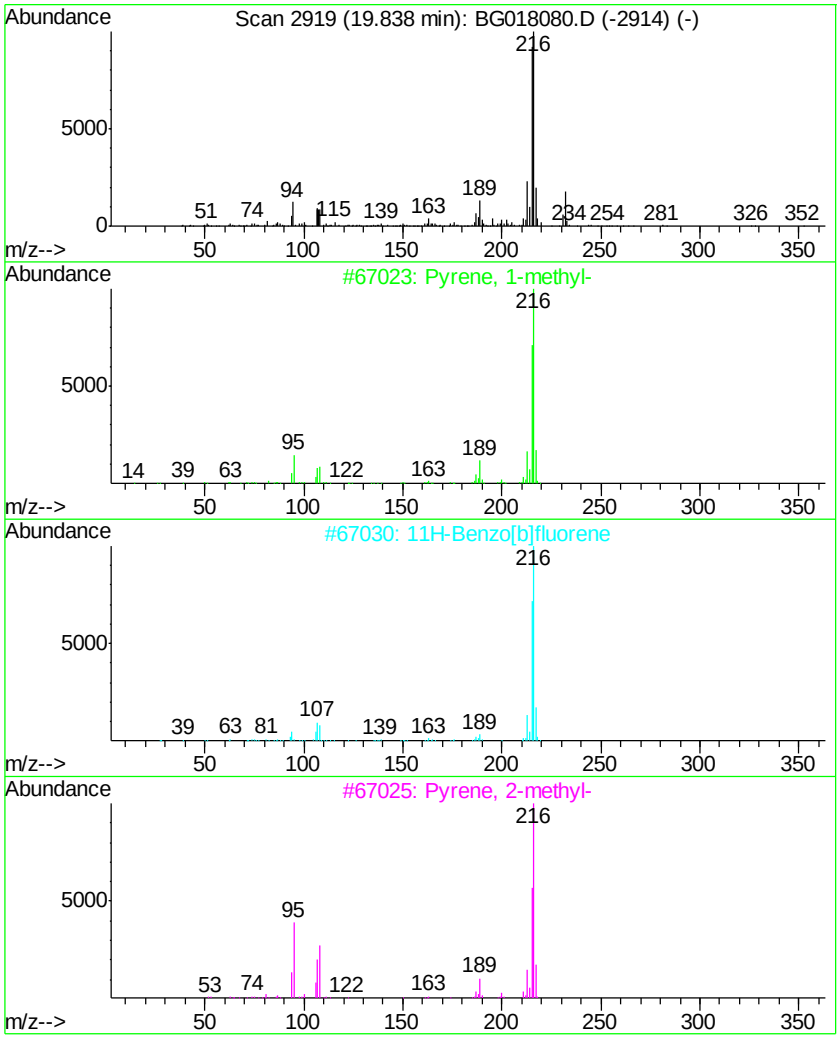
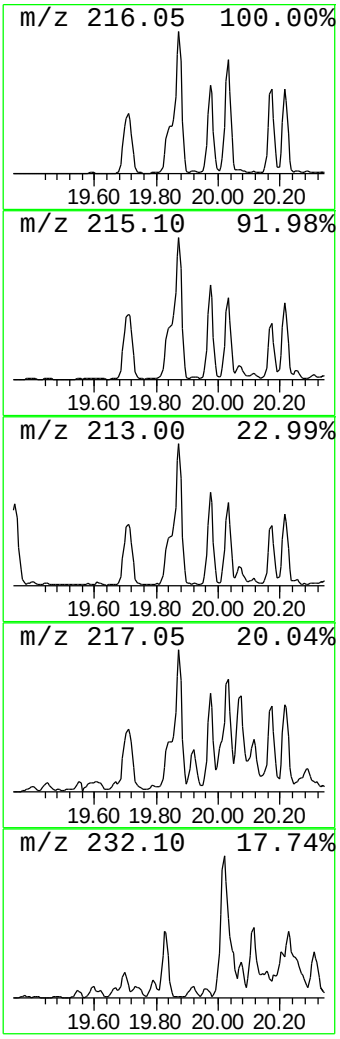
Peak Number 22 11H-Benzo[b]fluorene Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.84	2.03 ng/ul	522225	Chrysene-d12	21.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91





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Operator : TP/UM
Sample : G3035-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02J6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072315.M
Quant Title : SVOA CALIBRATION

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

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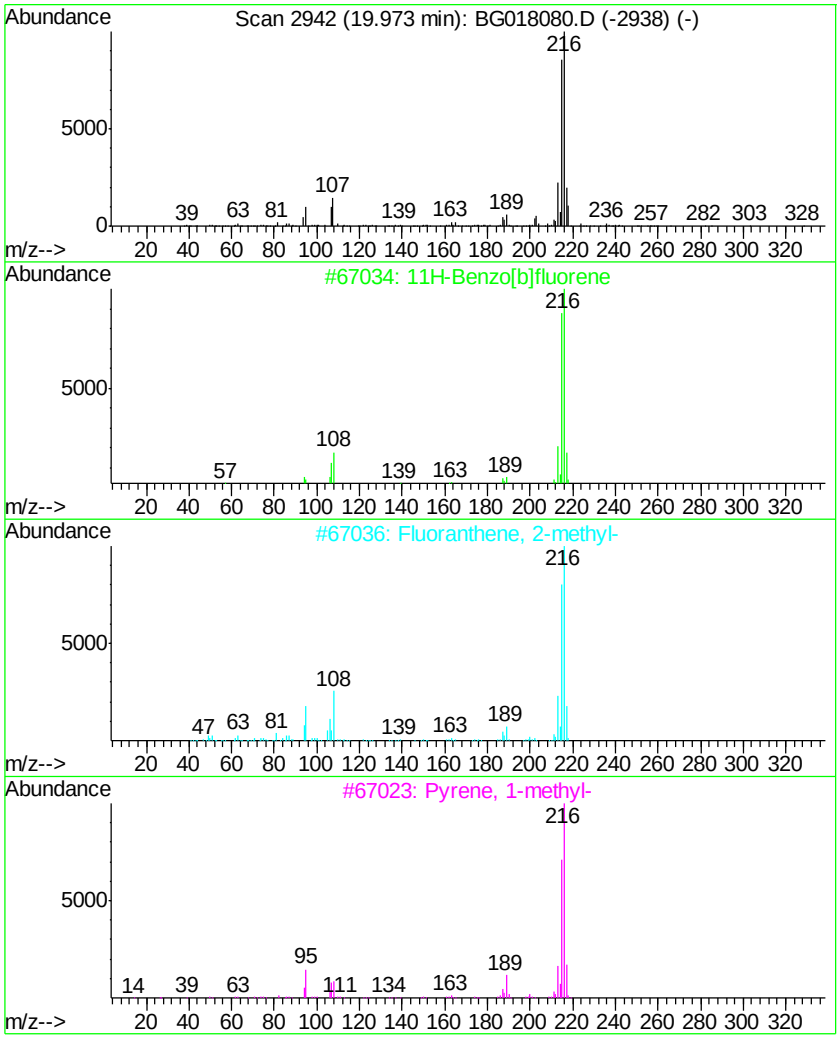
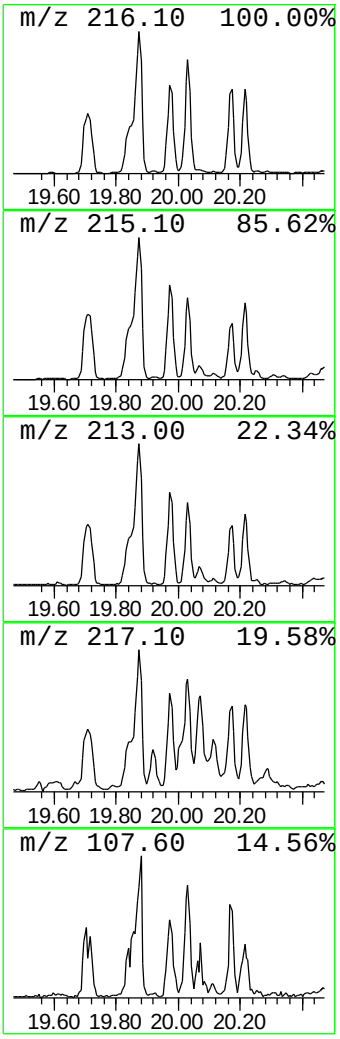
Peak Number 24 Fluoranthene, 2-methyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.97	2.30 ng/ul	590475	Chrysene-d12	21.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90





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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02J6

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Quant Title : SVOA CALIBRATION

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

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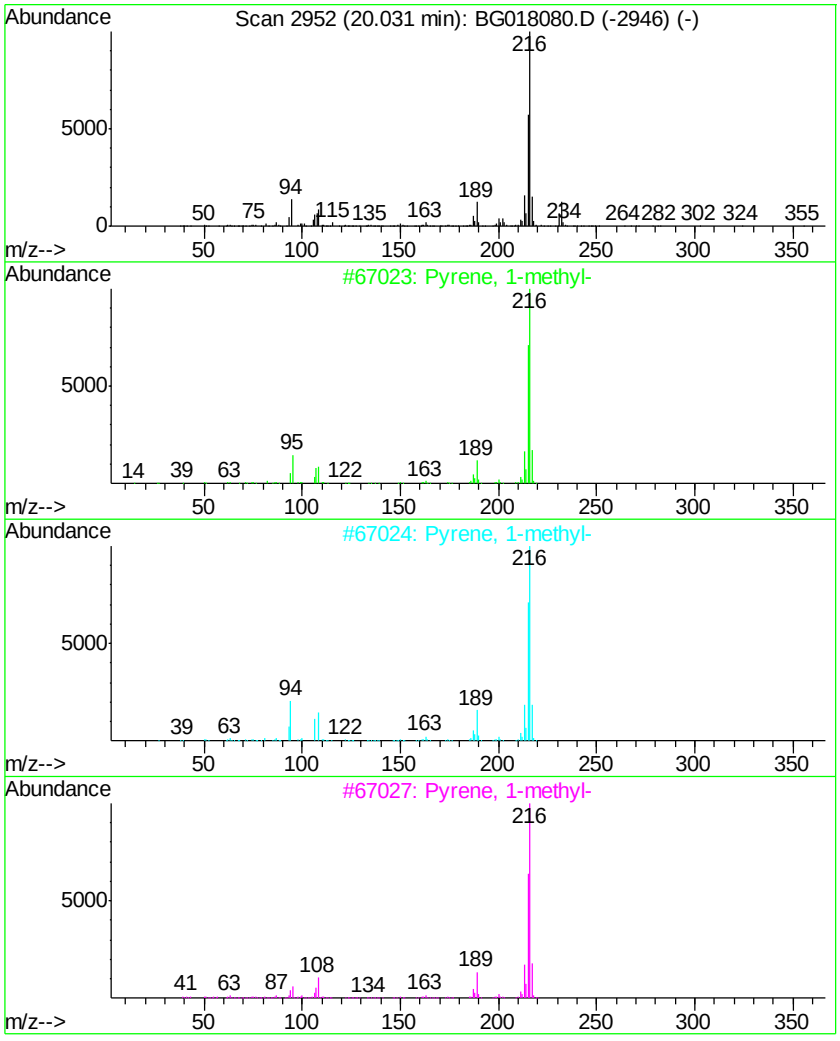
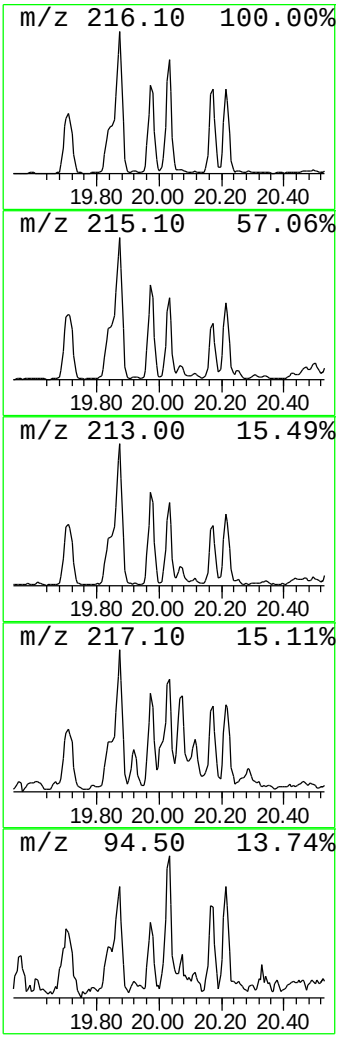
Peak Number 25 Pyrene, 4-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.03	3.55 ng/ul	912133	Chrysene-d12	21.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	96





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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02J6

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Quant Title : SVOA CALIBRATION

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

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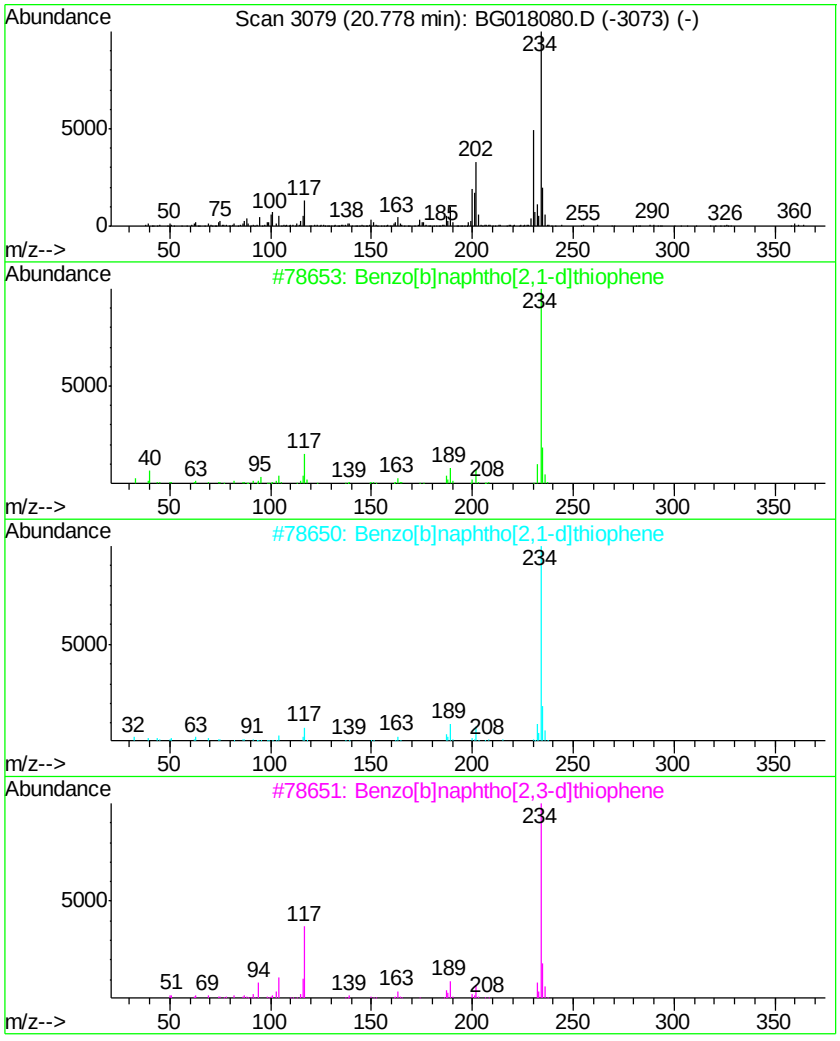
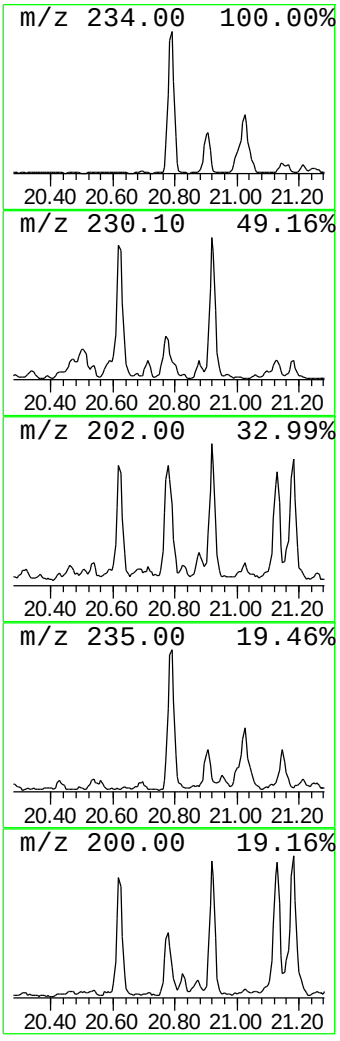
Peak Number 29 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.78	3.60 ng/ul	926294	Chrysene-d12	21.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
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	90
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	81





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Quant Title : SVOA CALIBRATION

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

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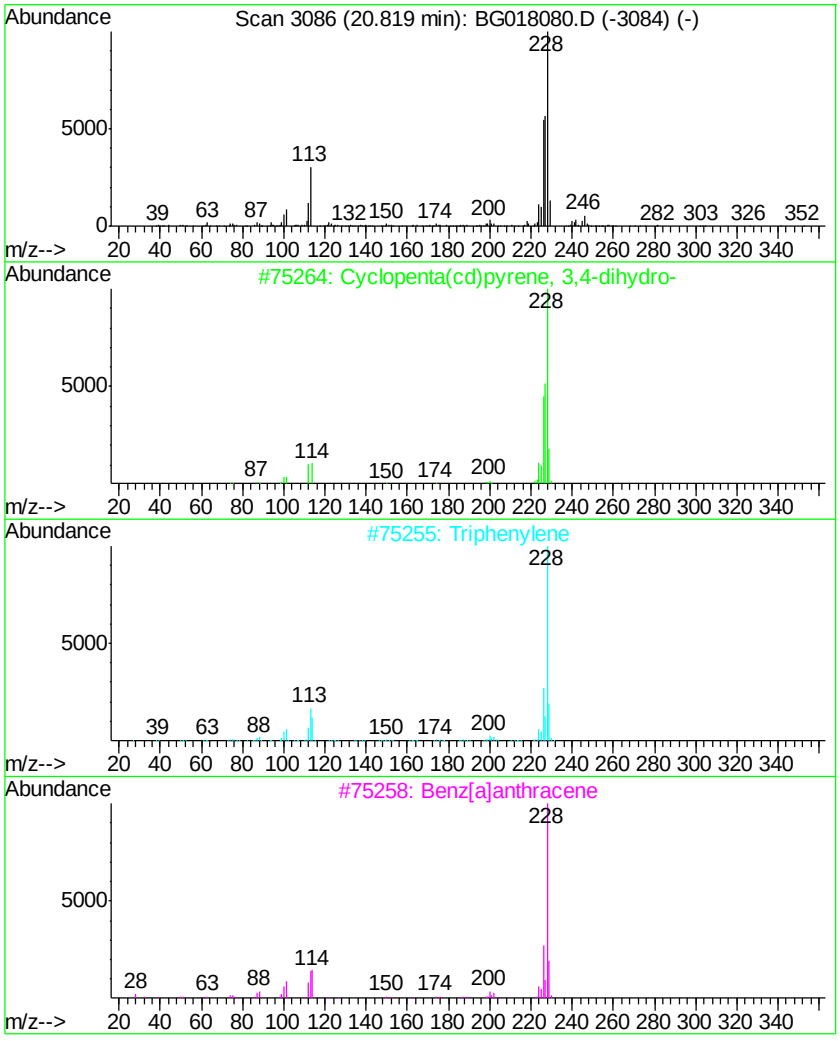
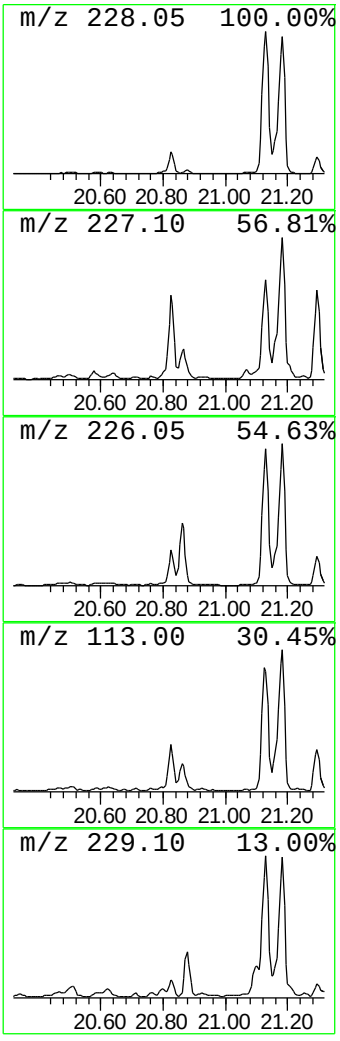
Peak Number 30 unknown-02 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.82	2.28 ng/ul	586063	Chrysene-d12	21.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	49
2	Triphenylene	228	C18H12	000217-59-4	45
3	Benz[a]anthracene	228	C18H12	000056-55-3	43
4	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	40
5	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	38





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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02J6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072315.M
Quant Title : SVOA CALIBRATION

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

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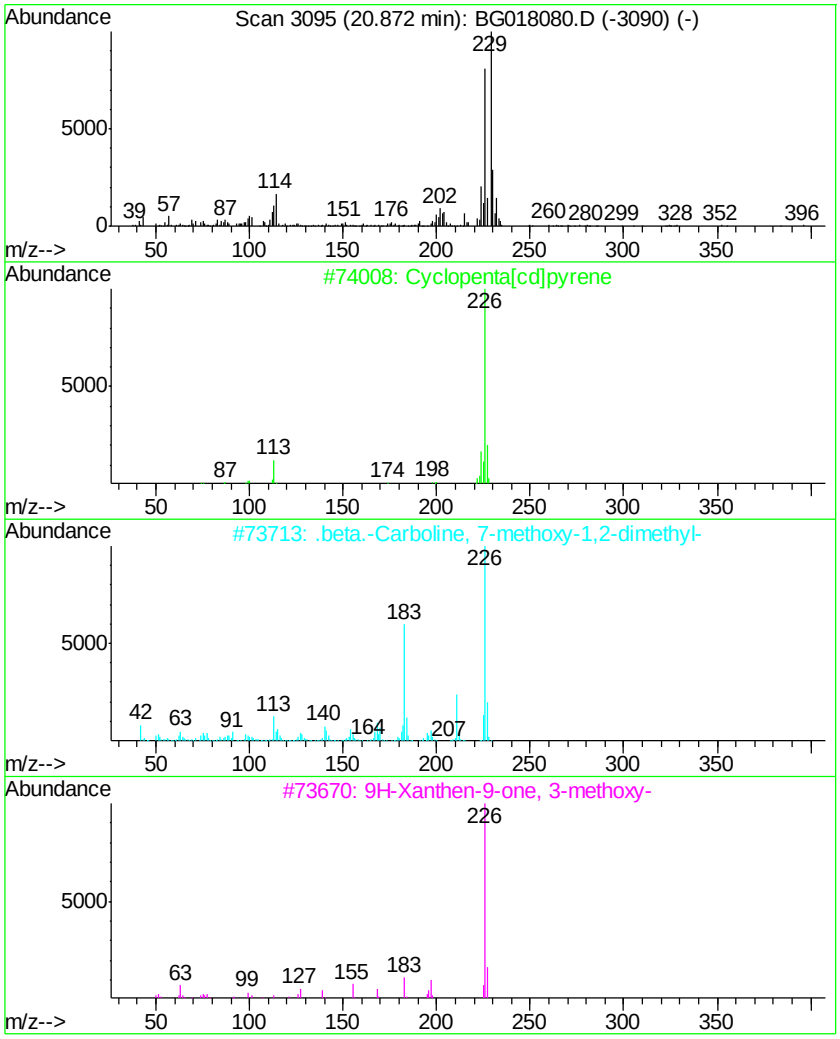
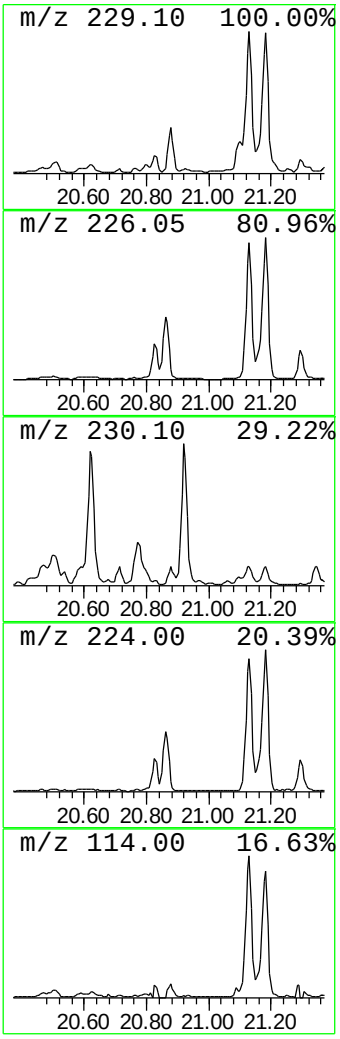
Peak Number 31 Cyclopenta[cd]pyrene Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	2.40 ng/ul	616012	Chrysene-d12	21.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	60
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	40
3	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	37
4	2-Amino-4,5-dihydronaphtho[2,1-b...	226	C13H10N2S	037071-20-8	28
5	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	28





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Data File : BG018080.D
Acq On : 24 Jul 2015 00:23
Operator : TP/UM
Sample : G3035-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02J6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072315.M
Quant Title : SVOA CALIBRATION

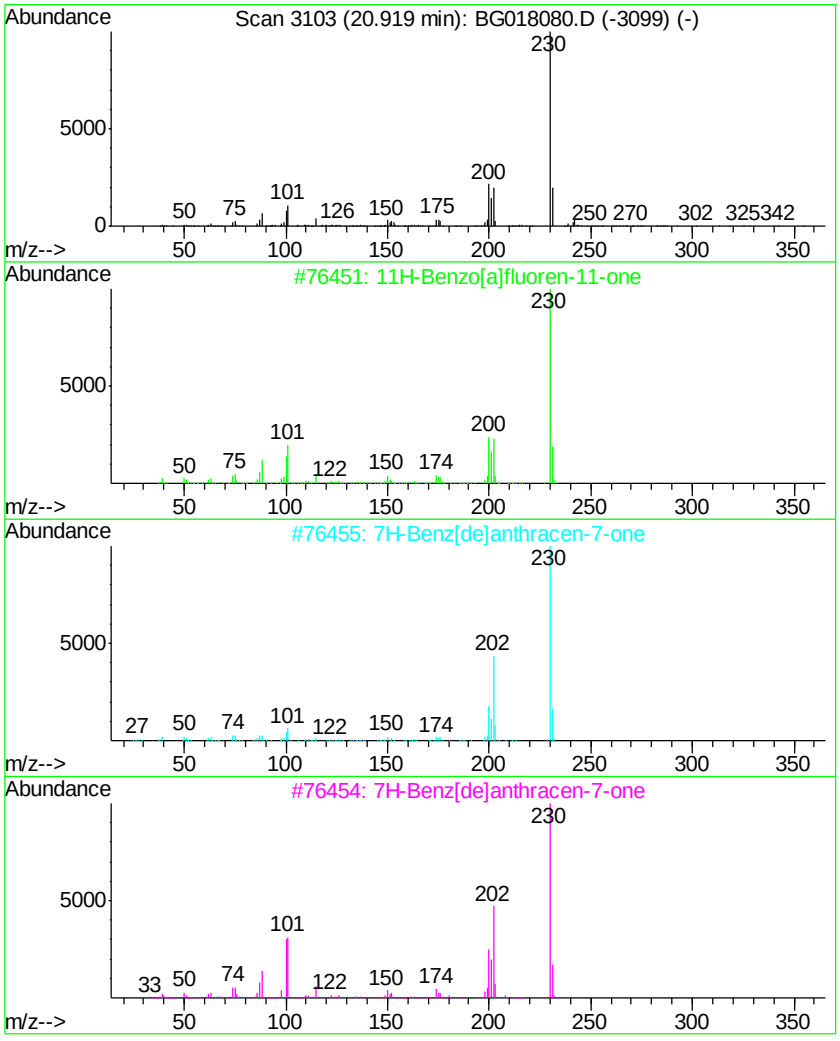
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

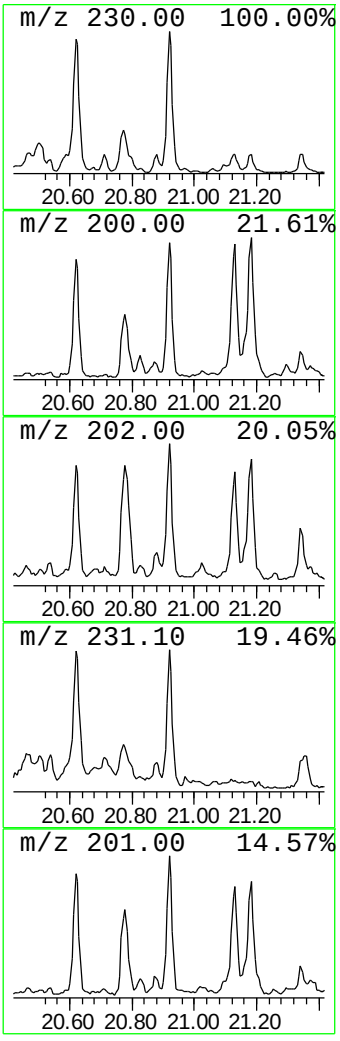
****

Peak Number 32 11H-Benzo[a]fluoren-11-one Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.92	3.27 ng/ul	841684	Chrysene-d12	21.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
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	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072315\
Data File : BG018080.D
Acq On : 24 Jul 2015 00:23
Operator : TP/UM
Sample : G3035-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02J6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072315.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Dibenzofuran, 4-m...	15.53	4.1	ng/ul	172064	3	14.18	843958	20.0
[1,1'-Biphenyl]-4...	15.68	4.7	ng/ul	219039	4	16.94	932443	20.0
9H-Fluoren-9-one	16.59	5.9	ng/ul	273644	4	16.94	932443	20.0
Anthracene, 1,2,3...	16.69	5.4	ng/ul	249863	4	16.94	932443	20.0
Dibenzothiophene	16.75	9.7	ng/ul	449803	4	16.94	932443	20.0
Dibenzothiophene,...	17.52	5.0	ng/ul	235325	4	16.94	932443	20.0
Dibenzothiophene,...	17.66	4.0	ng/ul	188959	4	16.94	932443	20.0
Phenanthrene, 2-m...	17.82	21.1	ng/ul	985857	4	16.94	932443	20.0
Phenanthrene, 1-m...	17.86	26.4	ng/ul	1232090	4	16.94	932443	20.0
Anthracene, 2-met...	17.94	8.9	ng/ul	413172	4	16.94	932443	20.0
Benzaldehyde, 3,5...	18.00	32.5	ng/ul	1517680	4	16.94	932443	20.0
Anthracene, 9-met...	18.05	13.0	ng/ul	607161	4	16.94	932443	20.0
Naphthalene, 2-ph...	18.32	12.3	ng/ul	571936	4	16.94	932443	20.0
9,10-Anthracenedione	18.36	10.0	ng/ul	464741	4	16.94	932443	20.0
Phenanthrene, 4,5...	18.57	5.9	ng/ul	274150	4	16.94	932443	20.0
Phenanthrene, 3,6...	18.62	3.8	ng/ul	178078	4	16.94	932443	20.0
di-p-Tolylacetylene	18.66	3.9	ng/ul	180837	4	16.94	932443	20.0
Phenanthrene, 2,5...	18.74	12.3	ng/ul	572030	4	16.94	932443	20.0
unknown-01	18.80	8.7	ng/ul	404459	4	16.94	932443	20.0
Cyclopenta(def)ph...	18.89	11.6	ng/ul	542269	4	16.94	932443	20.0
Pyrene, 1-methyl-	19.70	3.4	ng/ul	876502	5	21.14	5141340	20.0
11H-Benzo[b]fluorene	19.84	2.0	ng/ul	522225	5	21.14	5141340	20.0
Fluoranthene, 2-m...	19.97	2.3	ng/ul	590475	5	21.14	5141340	20.0
Pyrene, 4-methyl-	20.03	3.5	ng/ul	912133	5	21.14	5141340	20.0
Benzo[b]naphtho[2...	20.78	3.6	ng/ul	926294	5	21.14	5141340	20.0
unknown-02	20.82	2.3	ng/ul	586063	5	21.14	5141340	20.0
Cyclopenta[cd]pyrene	20.87	2.4	ng/ul	616012	5	21.14	5141340	20.0
11H-Benzo[a]fluor...	20.92	3.3	ng/ul	841684	5	21.14	5141340	20.0