LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073115\
Data File : BG018201.D
Acq On : 1 Aug 2015 3:28
Operator : TP/UM
Sample : G3065-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02A3

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-BG073115.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	6.667	672	677	687	rVB	87854	141938	5.71%	0.478%
2	6.820	695	703	709	rBV	63594	94836	3.82%	0.319%
3	7.014	728	736	742	rBV	92209	138260	5.56%	0.466%
4	7.478	808	815	821	rBV	165683	253928	10.22%	0.855%
5	8.201	931	938	945	rBV	115117	177302	7.13%	0.597%
6	8.636	1004	1012	1017	rVV	87363	144182	5.80%	0.486%
7	9.353	1127	1134	1140	rBV	82497	135426	5.45%	0.456%
8	9.893	1219	1226	1233	rBV	130692	209323	8.42%	0.705%
9	10.257	1280	1288	1295	rBV	300075	488437	19.65%	1.645%
10	10.410	1308	1314	1322	rVB	36995	68984	2.78%	0.232%
11	12.490	1662	1668	1674	rVB2	17788	29368	1.18%	0.099%
12	12.749	1706	1712	1719	rBV2	22289	34516	1.39%	0.116%
13	13.465	1829	1834	1839	rVV3	40837	63503	2.55%	0.214%
14	13.571	1846	1852	1855	rVV	242966	346122	13.92%	1.166%
15	13.618	1855	1860	1870	rVV	585451	785323	31.59%	2.645%
16	13.759	1878	1884	1891	rVV10	7200	19603	0.79%	0.066%
17	13.841	1891	1898	1907	rVB	250187	373520	15.03%	1.258%
18	14.071	1933	1937	1941	rBV5	17347	26366	1.06%	0.089%
19	14.153	1943	1951	1957	rVV2	512725	779461	31.36%	2.626%
20	14.212	1957	1961	1970	rVB	41942	69024	2.78%	0.233%
21	14.388	1982	1991	1998	rBV4	29889	66958	2.69%	0.226%
22	14.482	1998	2007	2012	rBV2	36738	63229	2.54%	0.213%
23	14.552	2013	2019	2024	rVV3	15788	30736	1.24%	0.104%
24	14.781	2052	2058	2060	rBV7	9256	17327	0.70%	0.058%
25	14.940	2079	2085	2089	rBV7	16396	29830	1.20%	0.100%
26	14.993	2089	2094	2097	rVV	54215	70714	2.84%	0.238%
27	15.028	2097	2100	2103	rVB3	16485	19008	0.76%	0.064%
28	15.152	2114	2121	2126	rBV	323380	427345	17.19%	1.440%
29	15.204	2126	2130	2136	rVB2	63320	86502	3.48%	0.291%
30	15.287	2140	2144	2148	rVB2	45030	58374	2.35%	0.197%
31	15.369	2155	2158	2164	rBV6	9584	16584	0.67%	0.056%
32	15.440	2164	2170	2175	rVB4	19549	40833	1.64%	0.138%
33	15.651	2199	2206	2214	rVB6	16914	40849	1.64%	0.138%
34	15.763	2222	2225	2230	rVB7	12264	19515	0.79%	0.066%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073115\
Data File : BG018201.D
Acq On : 1 Aug 2015 3:28
Operator : TP/UM
Sample : G3065-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02A3

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-BG073115.M
Title : SVOA CALIBRATION

35	15.892	2242	2247	2249	rBV3	49046	67252	2.71%	0.227%
36	16.262	2307	2310	2314	rBV6	13275	17508	0.70%	0.059%
37	16.573	2359	2363	2367	rBV7	11003	23524	0.95%	0.079%
38	16.732	2385	2390	2399	rVB2	48365	106282	4.28%	0.358%
39	16.908	2415	2420	2424	rVV2	537096	783064	31.50%	2.638%
40	16.950	2424	2427	2431	rVV	434885	551465	22.18%	1.858%
41	17.008	2431	2437	2440	rVV	292395	426627	17.16%	1.437%
42	17.038	2440	2442	2447	rVB	147964	180734	7.27%	0.609%
43	17.102	2448	2453	2454	rBV4	18052	26925	1.08%	0.091%
44	17.314	2487	2489	2493	rBV3	17165	20539	0.83%	0.069%
45	17.425	2506	2508	2515	rVB8	15661	21616	0.87%	0.073%
46	17.484	2515	2518	2523	rBV	22863	36916	1.49%	0.124%
47	17.637	2539	2544	2547	rBV4	19112	34797	1.40%	0.117%
48	17.784	2565	2569	2573	rBV	91683	127148	5.11%	0.428%
49	17.831	2573	2577	2584	rVB	129689	184659	7.43%	0.622%
50	17.913	2585	2591	2595	rVV3	50829	100836	4.06%	0.340%
51	17.978	2597	2602	2606	rVV3	160189	293739	11.82%	0.990%
52	18.019	2606	2609	2617	rVB2	82291	118656	4.77%	0.400%
53	18.125	2624	2627	2632	rBV7	22424	30411	1.22%	0.102%
54	18.189	2634	2638	2642	rBV6	26463	43955	1.77%	0.148%
55	18.295	2653	2656	2661	rVB	55932	67537	2.72%	0.228%
56	18.542	2695	2698	2702	rVB3	68494	84484	3.40%	0.285%
57	18.595	2703	2707	2710	rBV	48256	65734	2.64%	0.221%
58	18.718	2723	2728	2732	rBV	76572	122936	4.95%	0.414%
59	18.765	2732	2736	2741	rVV4	65556	127383	5.12%	0.429%
60	18.812	2741	2744	2748	rVB	36674	44660	1.80%	0.150%
61	18.982	2767	2773	2780	rBV	1345687	1681355	67.64%	5.664%
62	19.047	2781	2784	2788	rVB3	53613	67600	2.72%	0.228%
63	19.229	2812	2815	2818	rVB2	48608	58741	2.36%	0.198%
64	19.317	2825	2830	2832	rBV3	514242	715598	28.79%	2.411%
65	19.347	2832	2835	2844	rVV	1114033	1545936	62.19%	5.208%
66	19.423	2844	2848	2855	rVB2	82297	152375	6.13%	0.513%
67	19.529	2862	2866	2872	rVB2	87488	117519	4.73%	0.396%
68	19.588	2873	2876	2882	rVB4	59422	92617	3.73%	0.312%
69	19.676	2886	2891	2898	rBV3	83067	212678	8.56%	0.716%
70	19.770	2904	2907	2910	rBV2	57361	67485	2.71%	0.227%
71	19.846	2916	2920	2925	rVB	323759	458343	18.44%	1.544%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073115\
Data File : BG018201.D
Acq On : 1 Aug 2015 3:28
Operator : TP/UM
Sample : G3065-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02A3

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-BG073115.M
Title : SVOA CALIBRATION

72	19.887	2925	2927	2930	rVB3	35424	37276	1.50%	0.126%
73	19.946	2933	2937	2941	rVB	314412	394959	15.89%	1.330%
74	20.005	2941	2947	2951	rBV2	224620	341020	13.72%	1.149%
75	20.146	2967	2971	2975	rBV	165075	204600	8.23%	0.689%
76	20.193	2975	2979	2983	rVV	154320	212731	8.56%	0.717%
77	20.375	3008	3010	3014	rBV4	38395	46727	1.88%	0.157%
78	20.563	3038	3042	3046	rBV5	57503	116318	4.68%	0.392%
79	20.686	3060	3063	3068	rVB	72213	82252	3.31%	0.277%
80	20.763	3069	3076	3080	rBV2	227237	412841	16.61%	1.391%
81	20.804	3080	3083	3086	rVV	106281	119205	4.80%	0.402%
82	20.845	3086	3090	3094	rVV3	178299	257160	10.35%	0.866%
83	21.109	3129	3135	3140	rBV3	1320339	2485787	100.00%	8.374%
84	21.156	3140	3143	3152	rVB	1026845	1291418	51.95%	4.350%
85	21.233	3153	3156	3159	rBV2	102615	115508	4.65%	0.389%
86	21.274	3159	3163	3169	rBV2	193554	332334	13.37%	1.120%
87	21.380	3179	3181	3184	rVB	83774	78723	3.17%	0.265%
88	21.427	3184	3189	3194	rBV2	162733	276862	11.14%	0.933%
89	21.656	3225	3228	3232	rVB	278555	344905	13.88%	1.162%
90	21.703	3233	3236	3242	rVB	188316	235662	9.48%	0.794%
91	21.850	3258	3261	3263	rBV	107076	132801	5.34%	0.447%
92	21.938	3273	3276	3281	rVB4	128084	193513	7.78%	0.652%
93	22.649	3391	3397	3401	rBV	882053	1800014	72.41%	6.064%
94	22.807	3421	3424	3431	rVB	177019	266928	10.74%	0.899%
95	23.113	3470	3476	3480	rBV	560556	993647	39.97%	3.347%
96	23.207	3487	3492	3498	rVB	889956	1504828	60.54%	5.069%
97	23.301	3502	3508	3512	rVV2	475811	904925	36.40%	3.048%
98	23.348	3512	3516	3524	rVB2	211969	425870	17.13%	1.435%
99	25.498	3875	3882	3893	rVB2	402462	1079735	43.44%	3.637%
100	26.180	3991	3998	4010	rVB2	250217	750005	30.17%	2.527%

Sum of corrected areas: 29685414

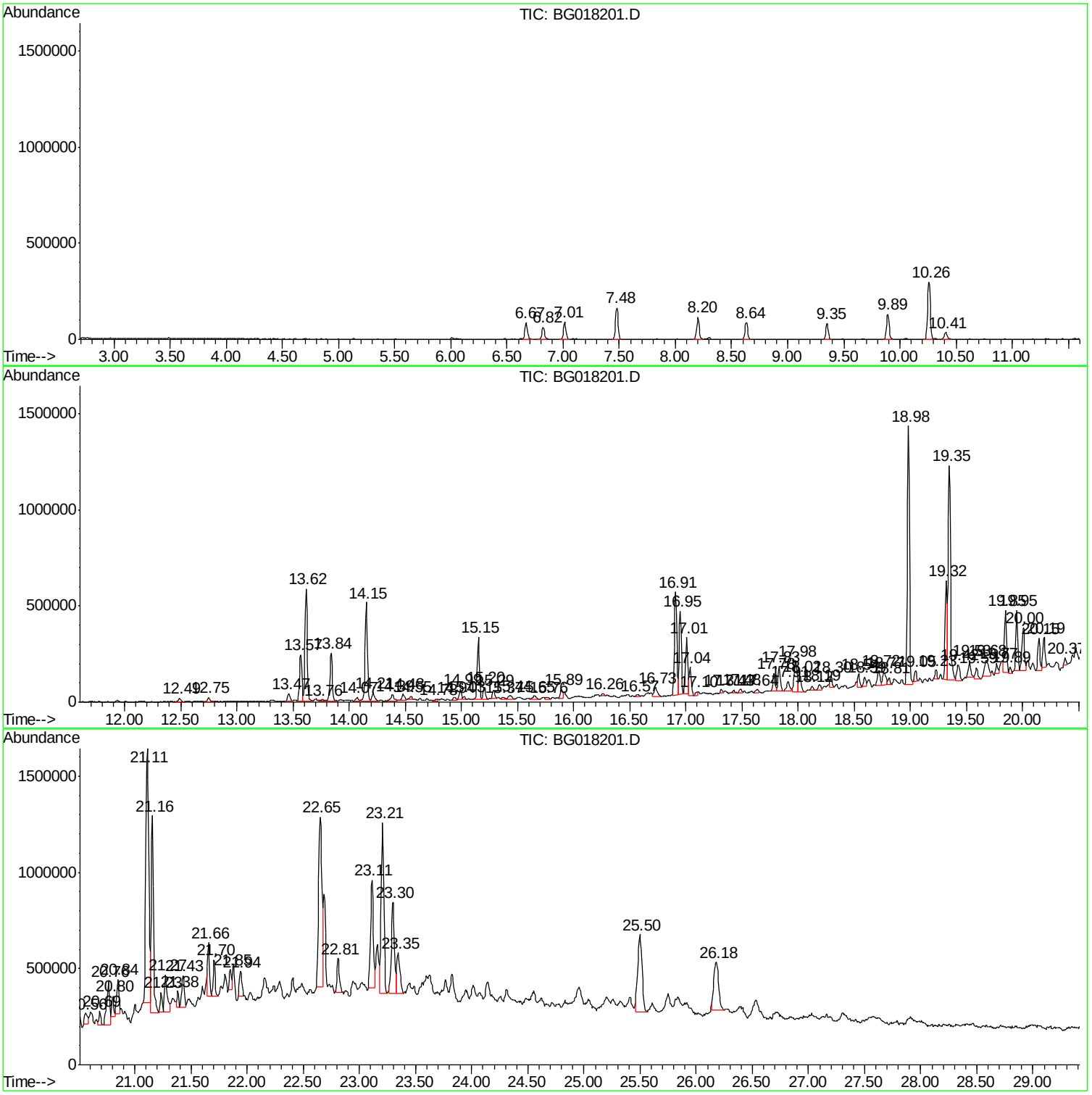
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073115\
Data File : BG018201.D
Acq On : 1 Aug 2015 3:28
Operator : TP/UM
Sample : G3065-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02A3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073115\
Data File : BG018201.D
Acq On : 1 Aug 2015 3:28
Operator : TP/UM
Sample : G3065-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02A3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

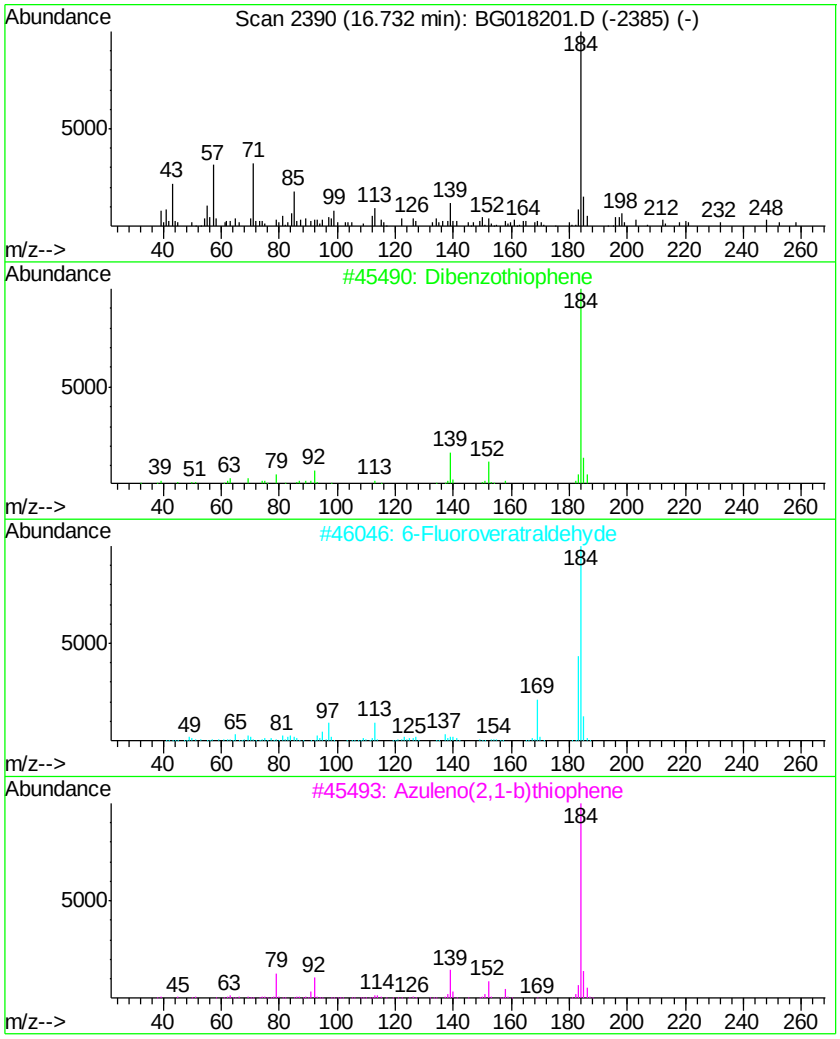
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

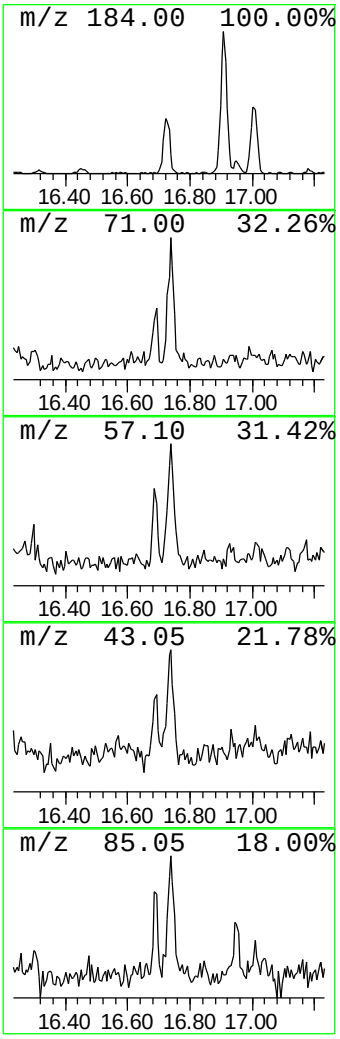
****

Peak Number 1 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.73	2.71 ng/ul	106282	Phenanthrene-d10	16.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	52
2	6-Fluoroveratraldehyde	184	C9H9FO3	071924-62-4	52
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	52
4	Dibenzothiophene	184	C12H8S	000132-65-0	52
5	Dibenzothiophene	184	C12H8S	000132-65-0	50





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073115\
Data File : BG018201.D
Acq On : 1 Aug 2015 3:28
Operator : TP/UM
Sample : G3065-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02A3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

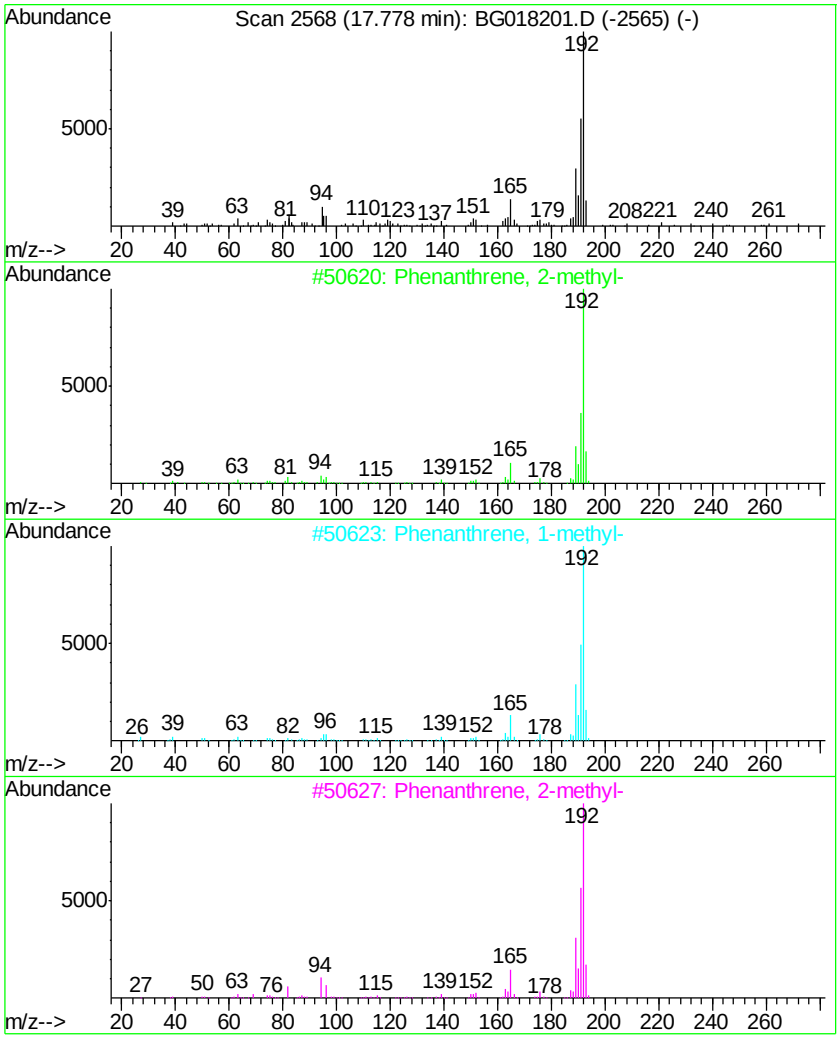
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

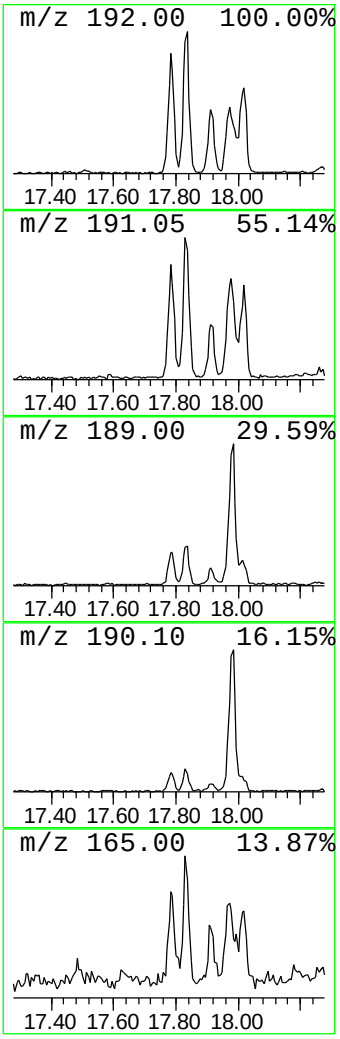
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.78	3.25 ng/ul	127148	Phenanthrene-d10	16.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073115\
Data File : BG018201.D
Acq On : 1 Aug 2015 3:28
Operator : TP/UM
Sample : G3065-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02A3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

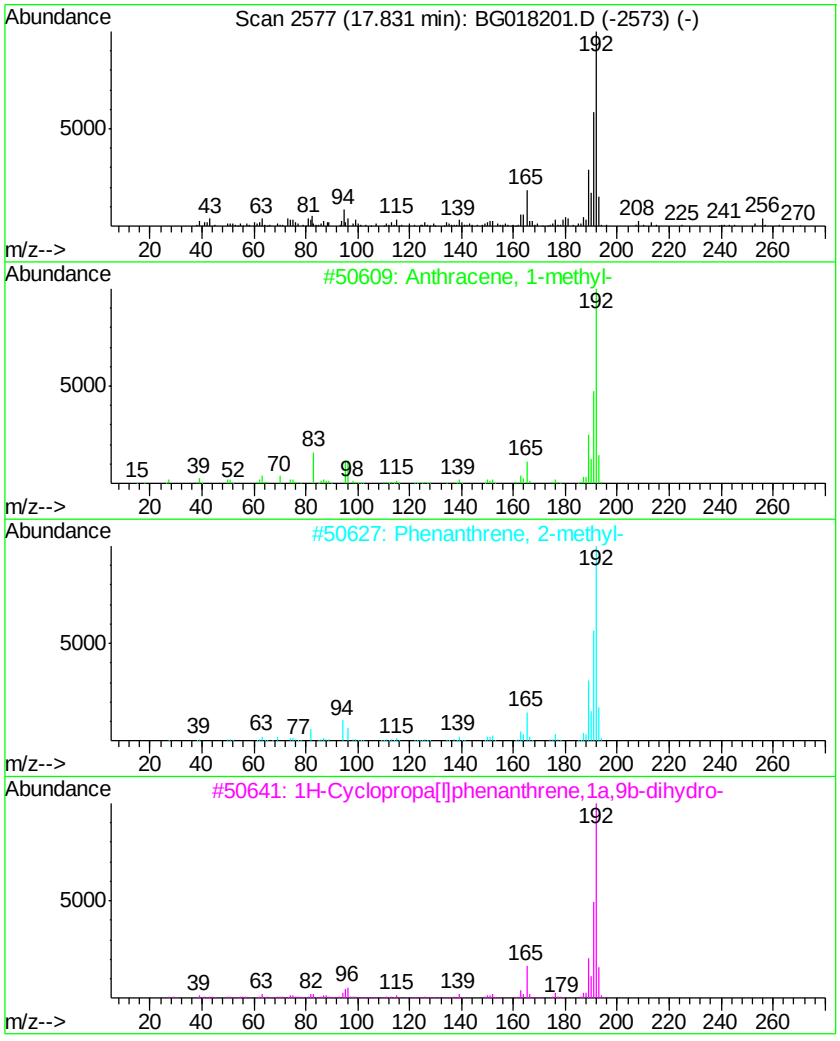
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

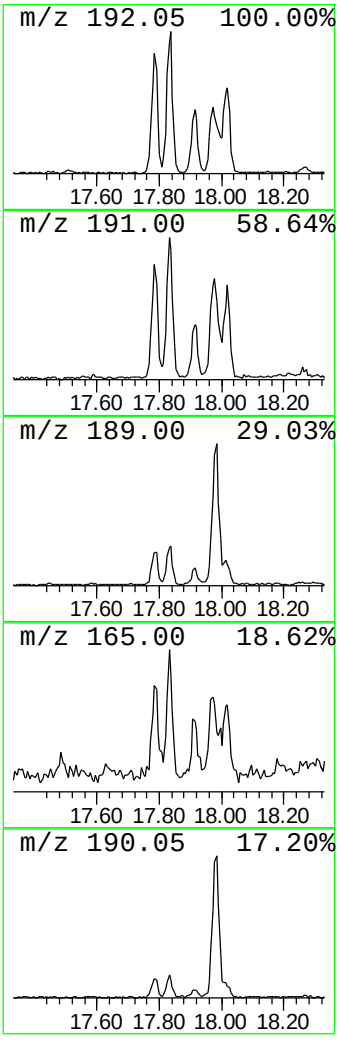
****

Peak Number 3 Anthracene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.83	4.72 ng/ul	184659	Phenanthrene-d10	16.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073115\
Data File : BG018201.D
Acq On : 1 Aug 2015 3:28
Operator : TP/UM
Sample : G3065-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02A3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

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

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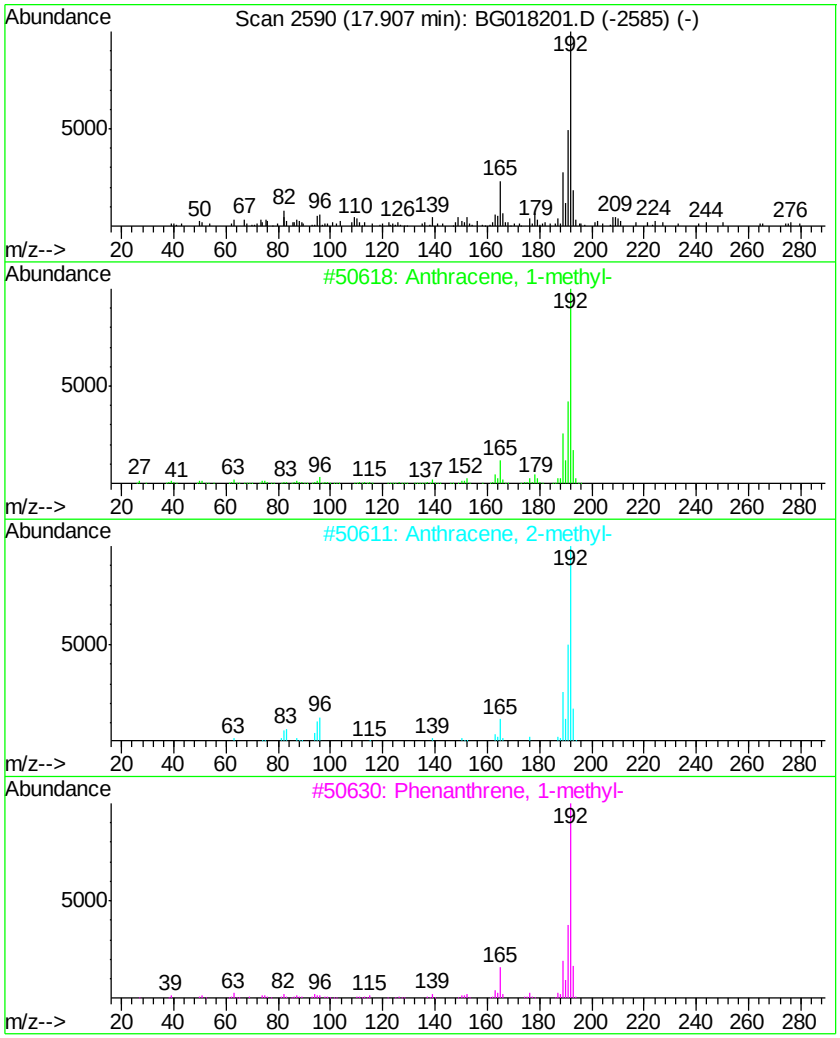
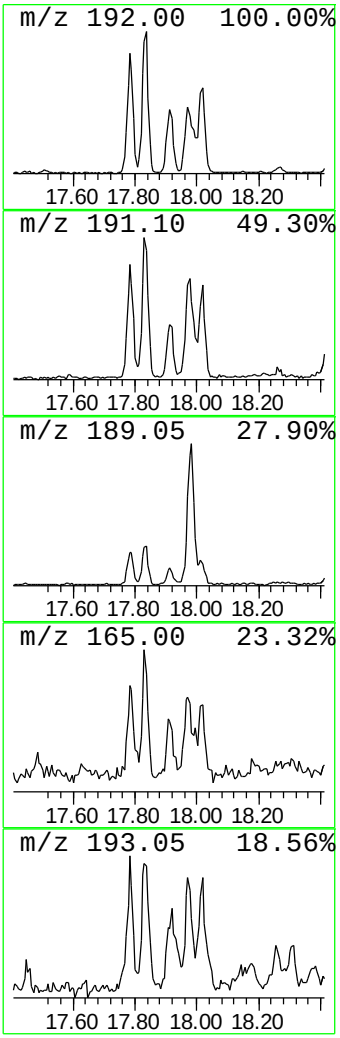
Peak Number 4 Anthracene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.91	2.58 ng/ul	100836	Phenanthrene-d10	16.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073115\
Data File : BG018201.D
Acq On : 1 Aug 2015 3:28
Operator : TP/UM
Sample : G3065-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02A3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

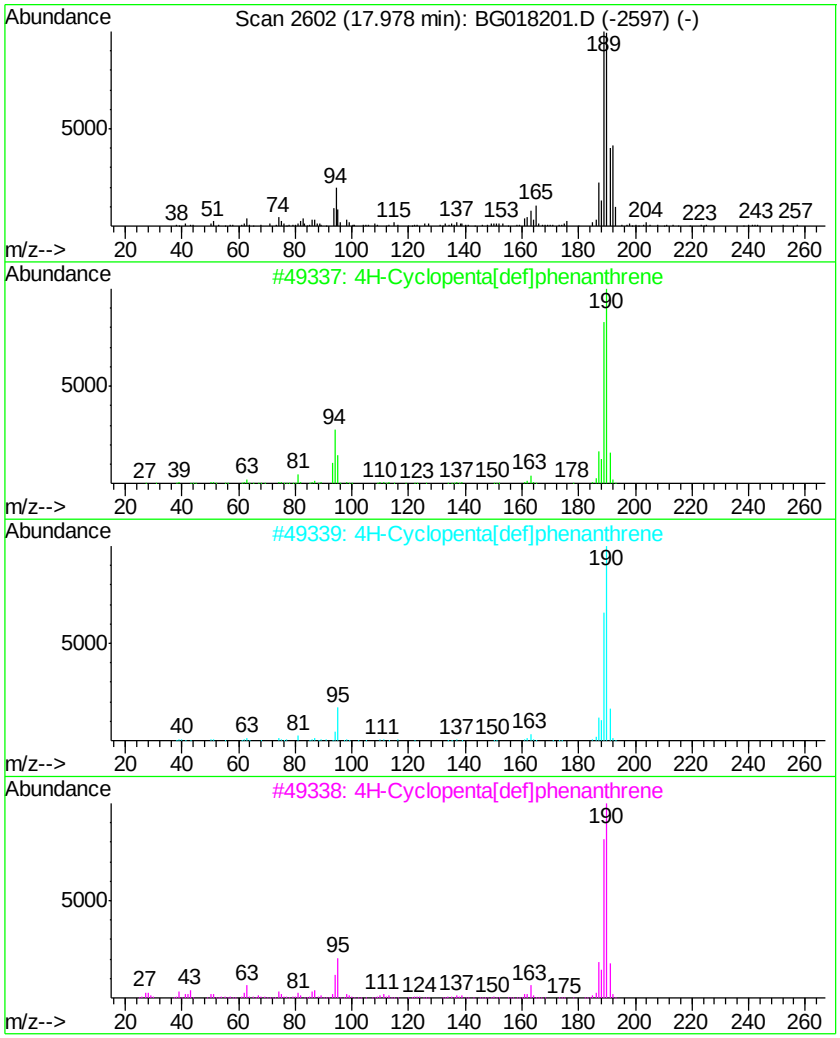
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

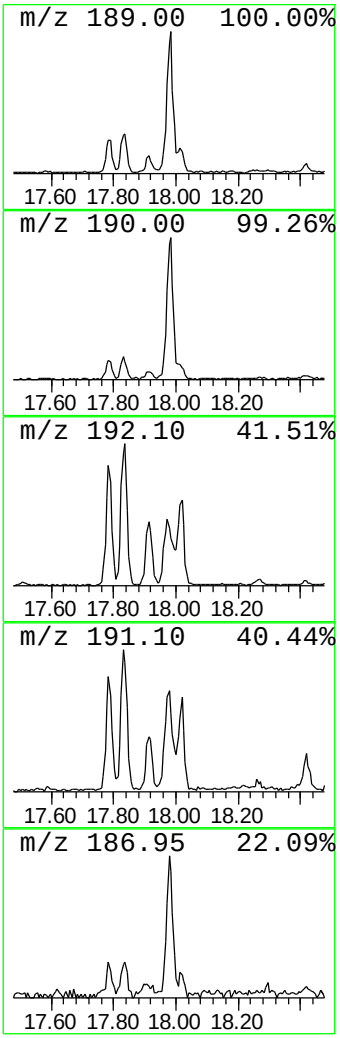
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.98	7.50 ng/ul	293739	Phenanthrene-d10	16.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	46
5	3-(Trifluoromethoxy)benzaldehyde	190	C8H5F3O2	052771-21-8	43





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073115\
Data File : BG018201.D
Acq On : 1 Aug 2015 3:28
Operator : TP/UM
Sample : G3065-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02A3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

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

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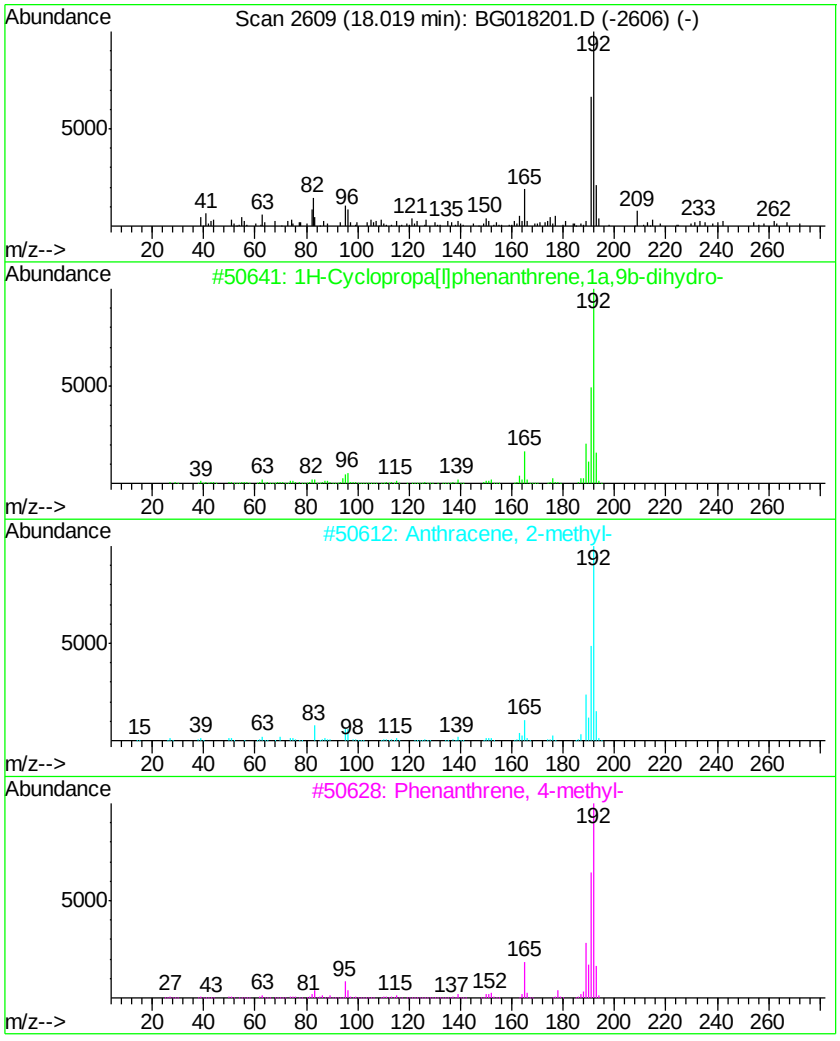
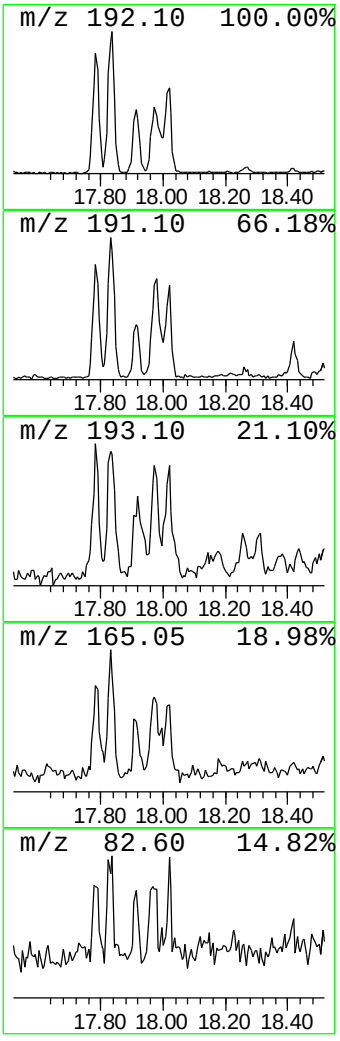
Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	3.03 ng/ul	118656	Phenanthrene-d10	16.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	83
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	81
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	81
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	80





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Sample : G3065-10
Misc :
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Instrument : BNA_G
ClientSampleId : C02A3

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Quant Title : SVOA CALIBRATION

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

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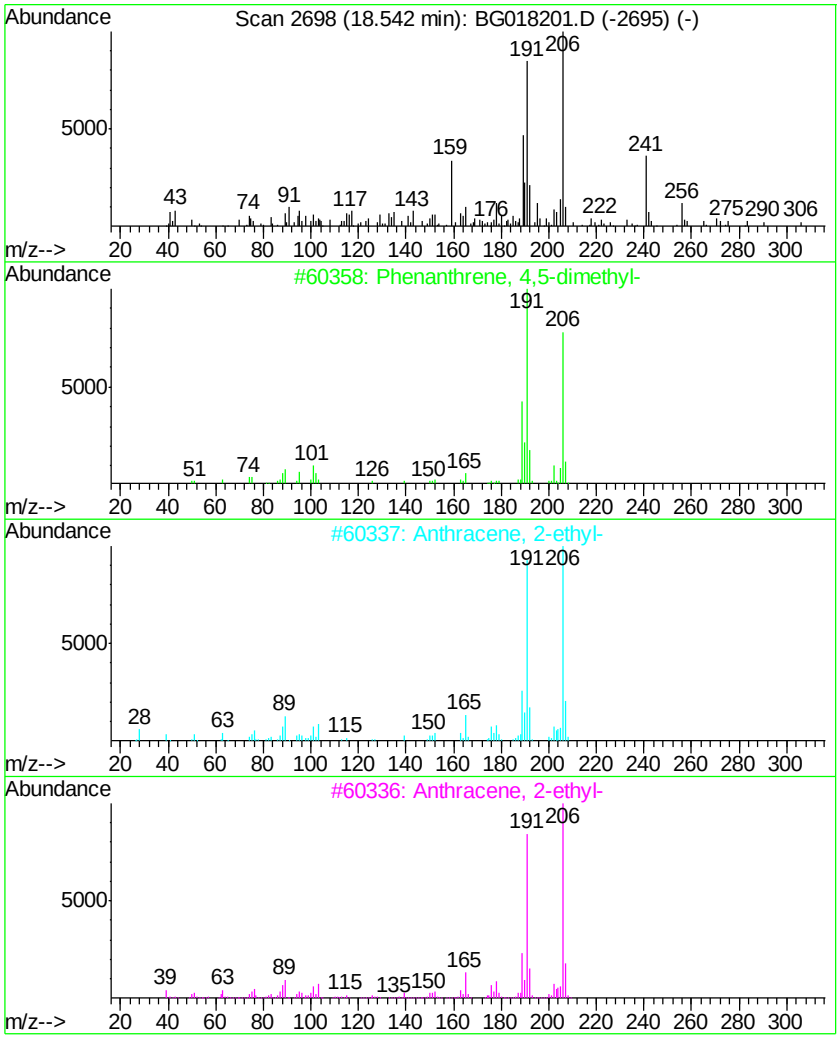
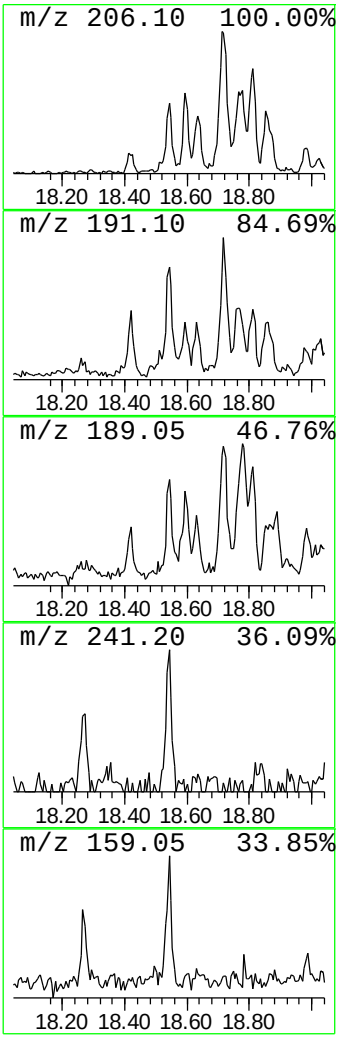
Peak Number 7 Phenanthrene, 4,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	2.16 ng/ul	84484	Phenanthrene-d10	16.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	52
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	52
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	50
4	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	49
5	2-Amino-3-cyano-4,5,6,7-tetrahyd...	206	C11H14N2S	041543-76-4	47





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Instrument : BNA_G
ClientSampleId : C02A3

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Quant Title : SVOA CALIBRATION

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

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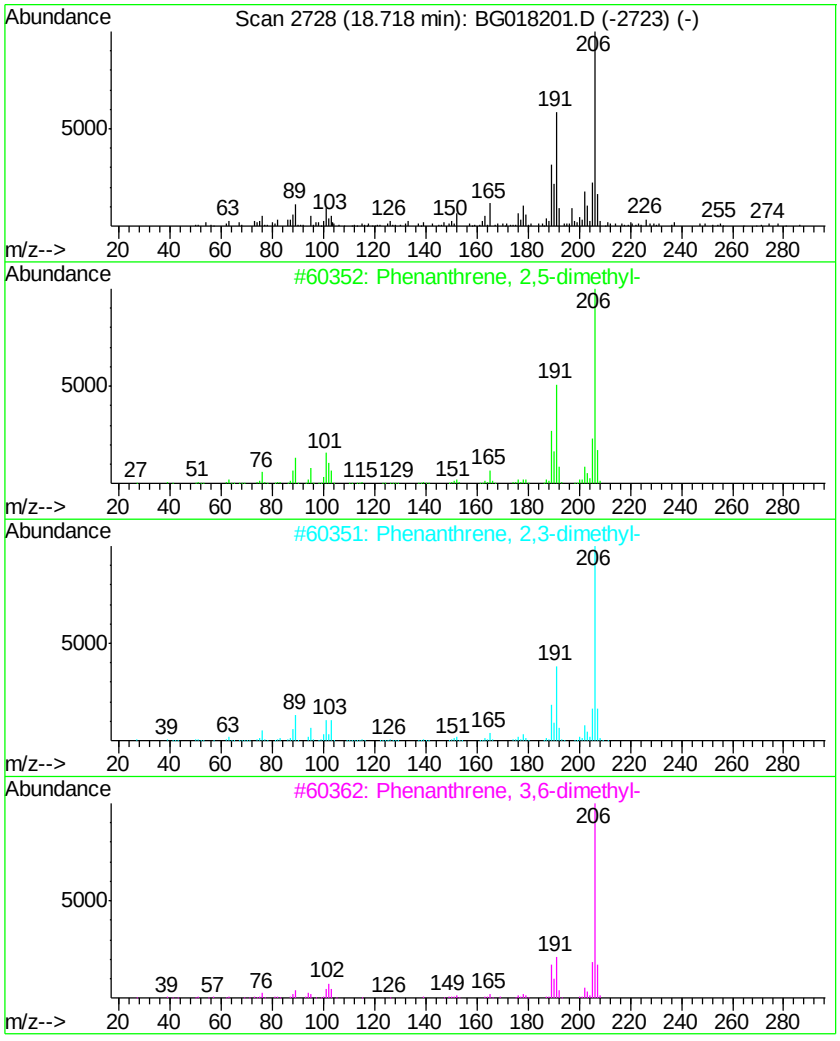
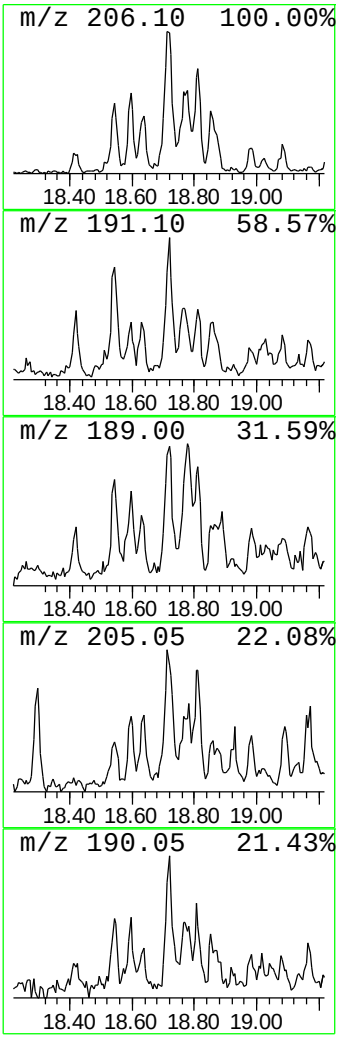
Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	3.14 ng/ul	122936	Phenanthrene-d10	16.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





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ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02A3

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Quant Title : SVOA CALIBRATION

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

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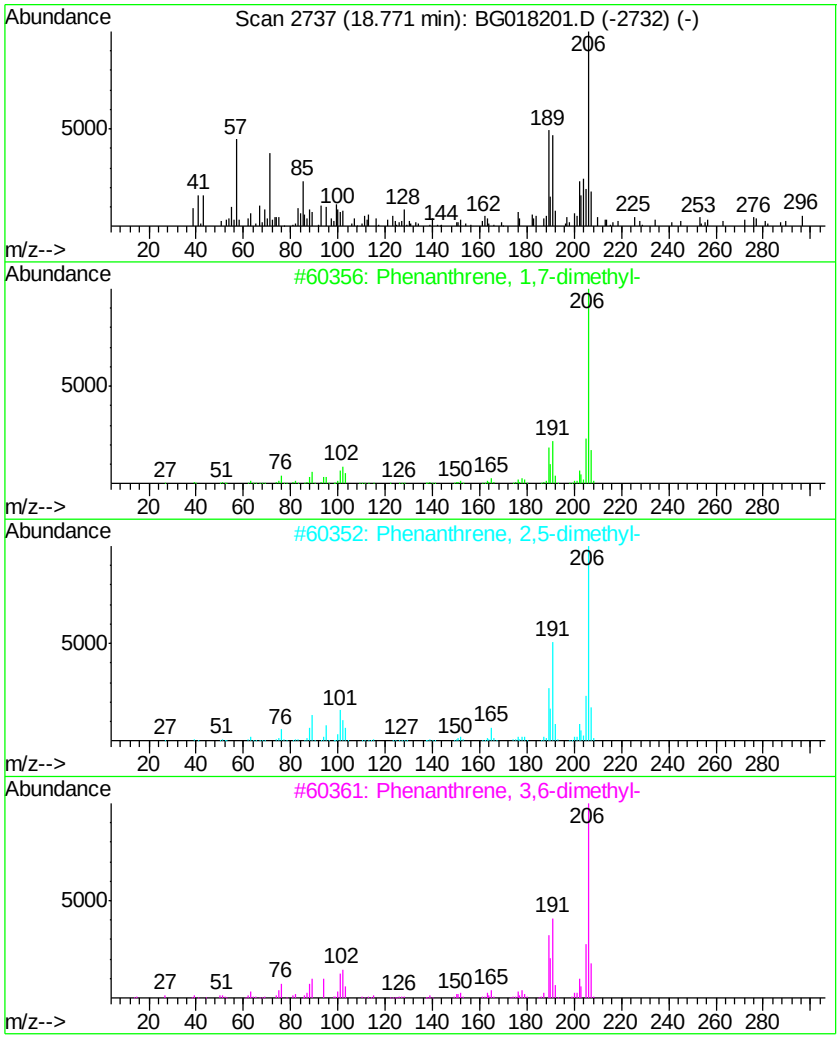
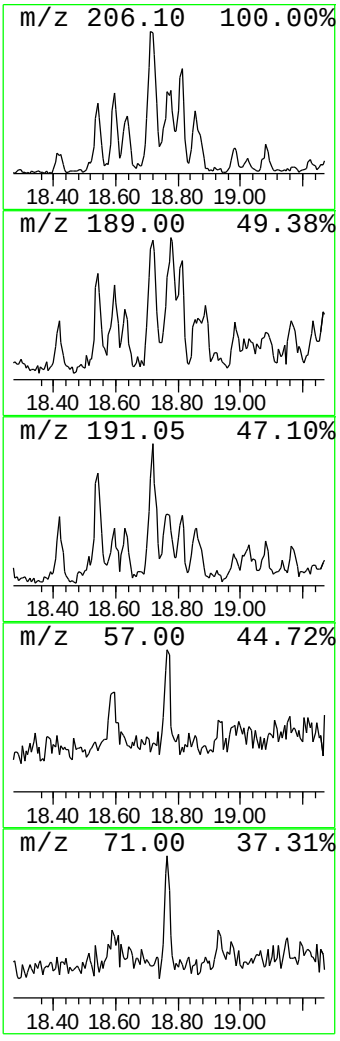
Peak Number 9 Phenanthrene, 1,7-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	3.25 ng/ul	127383	Phenanthrene-d10	16.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	83
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	64
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	55
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	53
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	53





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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02A3

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Quant Title : SVOA CALIBRATION

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

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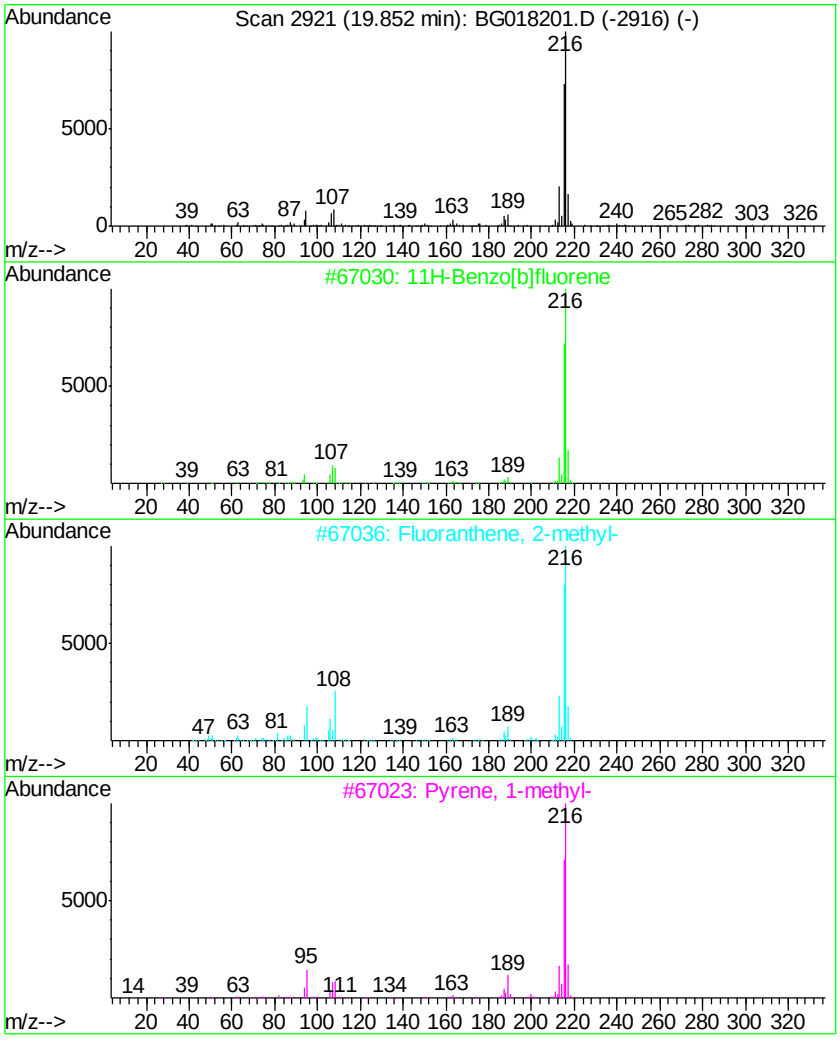
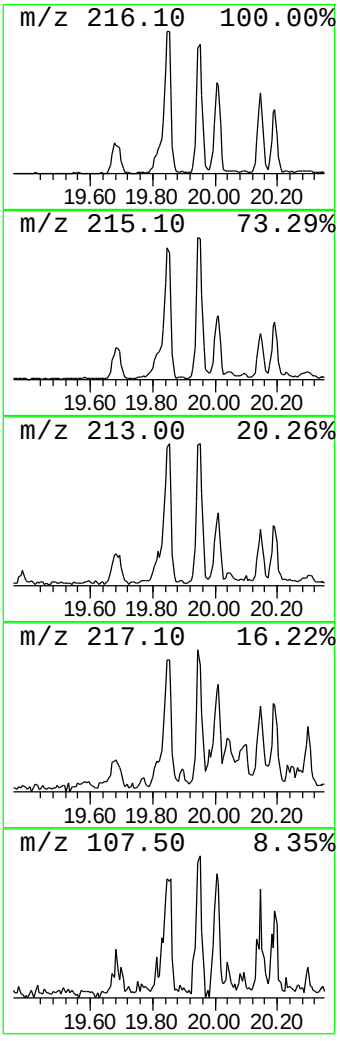
Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.85	3.69 ng/ul	458343	Chrysene-d12	21.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





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Quant Title : SVOA CALIBRATION

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

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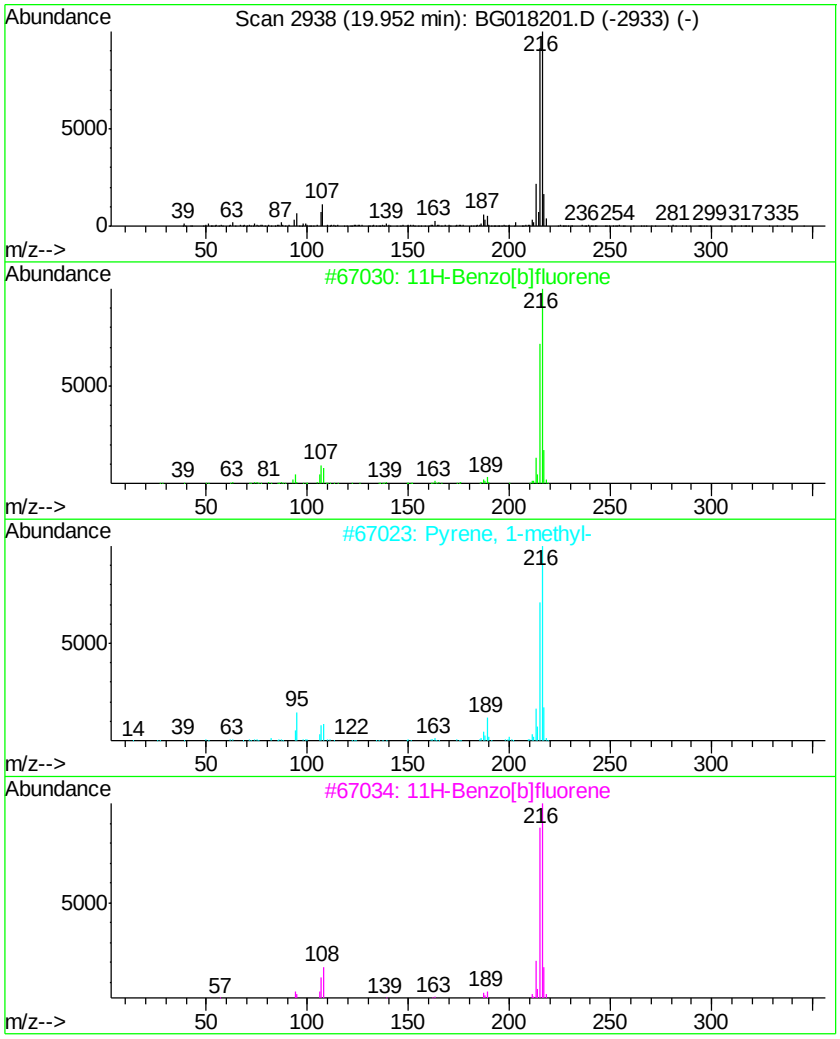
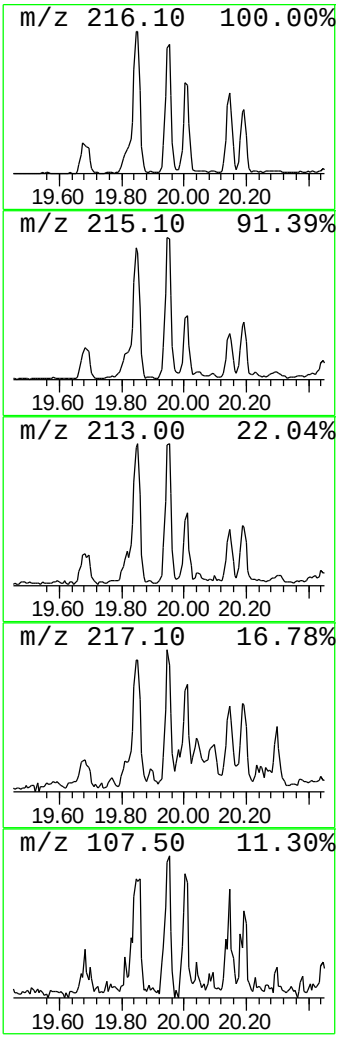
Peak Number 11 Pyrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.95	3.18 ng/ul	394959	Chrysene-d12	21.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87





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Instrument : BNA_G
ClientSampleId : C02A3

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Quant Title : SVOA CALIBRATION

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

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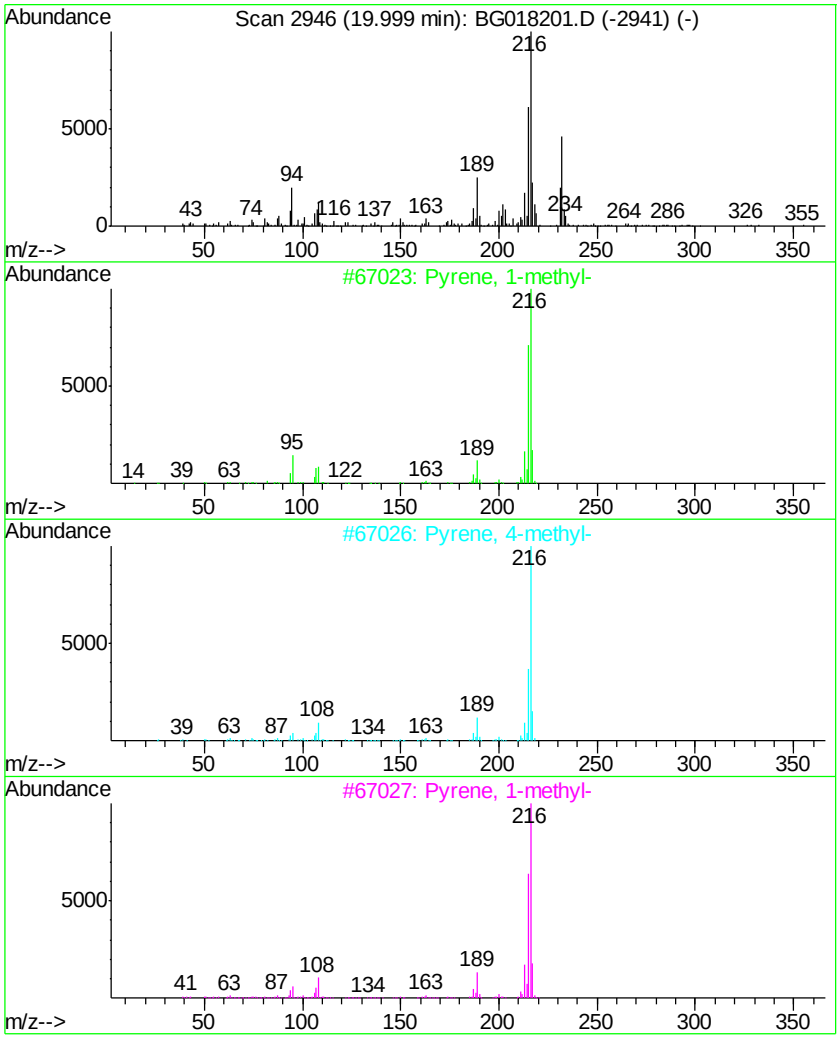
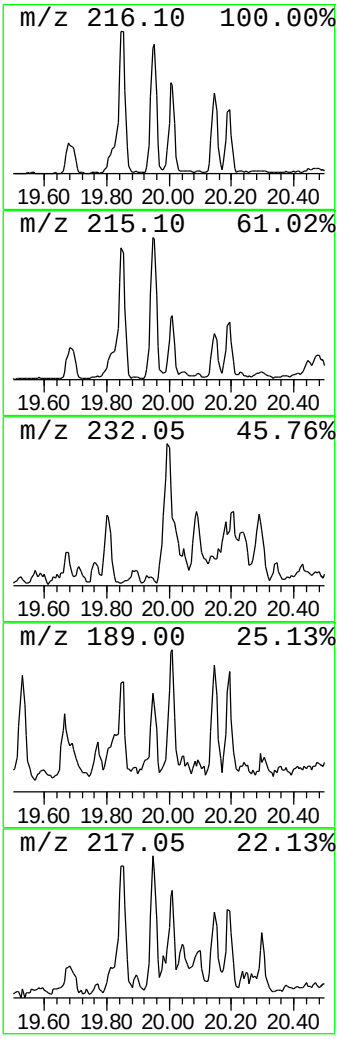
Peak Number 12 Pyrene, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	2.74 ng/ul	341020	Chrysene-d12	21.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91





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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02A3

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Quant Title : SVOA CALIBRATION

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

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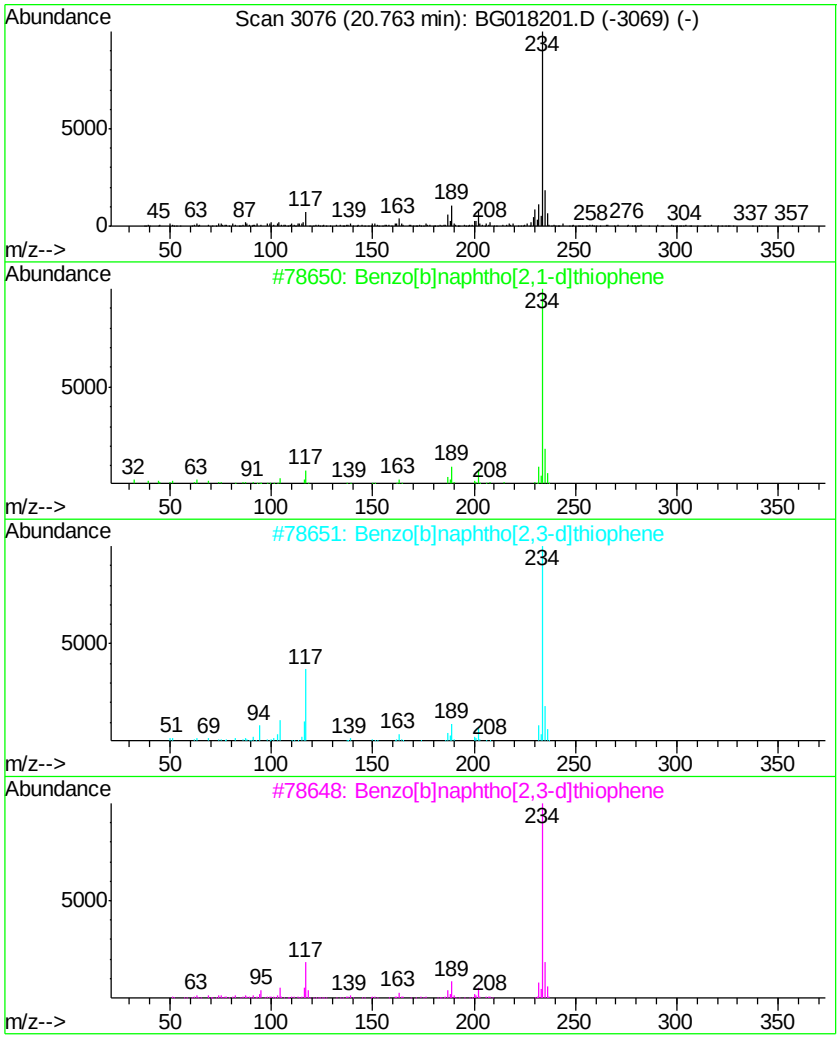
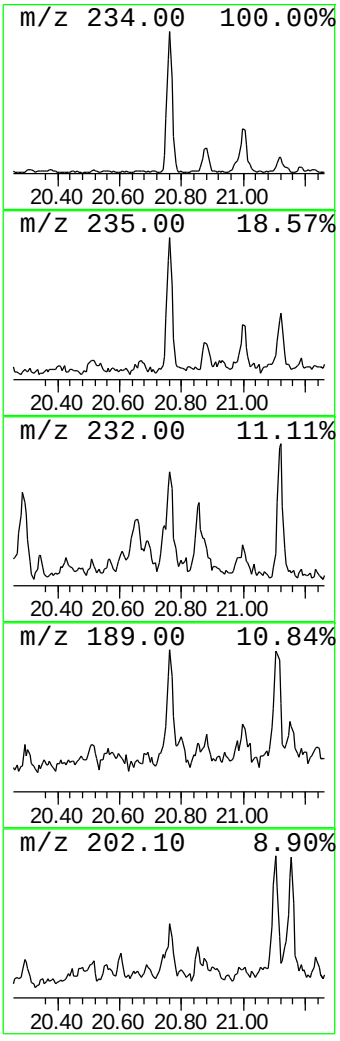
Peak Number 13 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.76	3.32 ng/ul	412841	Chrysene-d12	21.12

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





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Misc :
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Instrument : BNA_G
ClientSampleId : C02A3

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Quant Title : SVOA CALIBRATION

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

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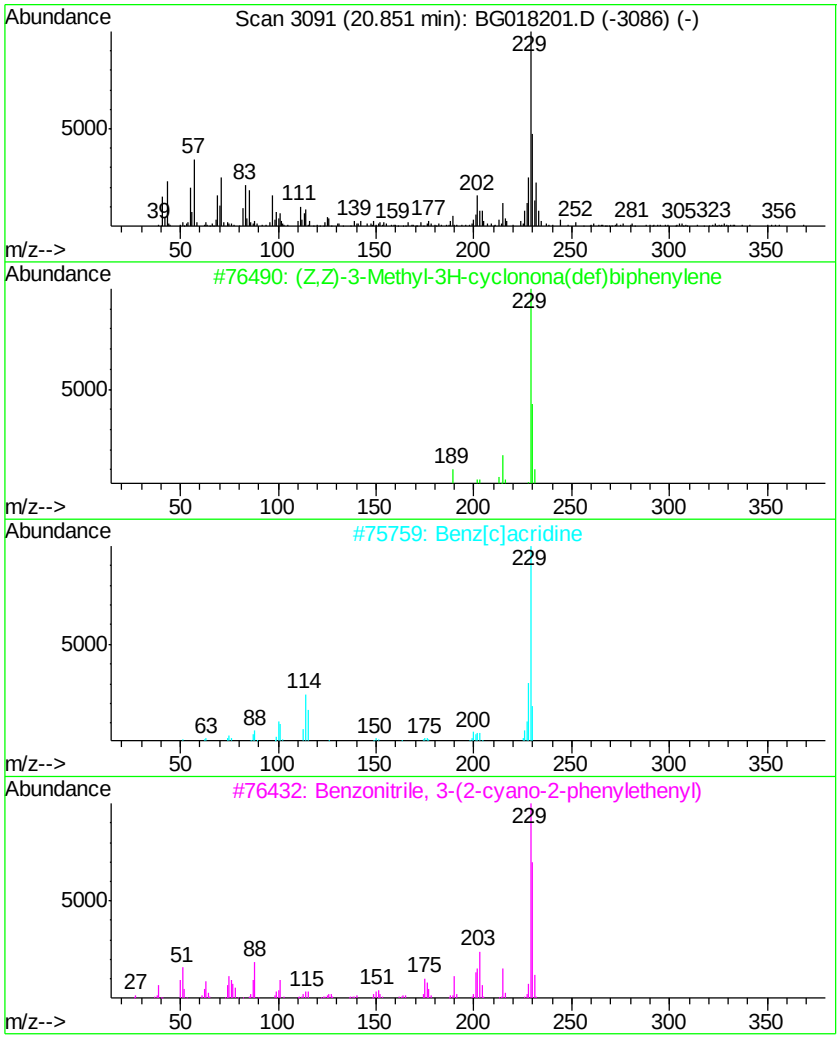
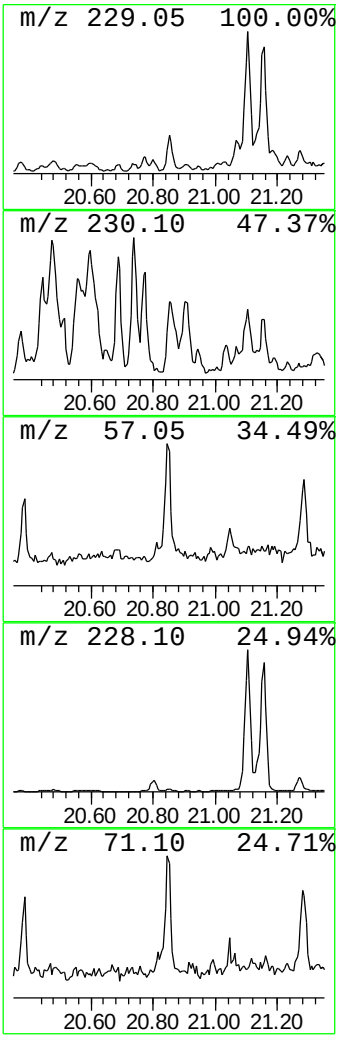
Peak Number 14 unknown-01 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.85	2.07 ng/ul	257160	Chrysene-d12	21.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(Z,Z)-3-Methyl-3H-cyclonona(def)...	230	C18H14	110823-80-8	27
2	Benz[c]acridine	229	C17H11N	000225-51-4	18
3	Benzonitrile, 3-(2-cyano-2-pheny...	230	C16H10N2	147728-29-8	14
4	2-(3-Fluorophenyl)-1,3-benzothia...	229	C13H8FNS	1000298-18-6	14
5	Piperazin-2-one, 3-[2-(4-methylp...	230	C13H14N2O2	063656-21-3	12





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Misc :
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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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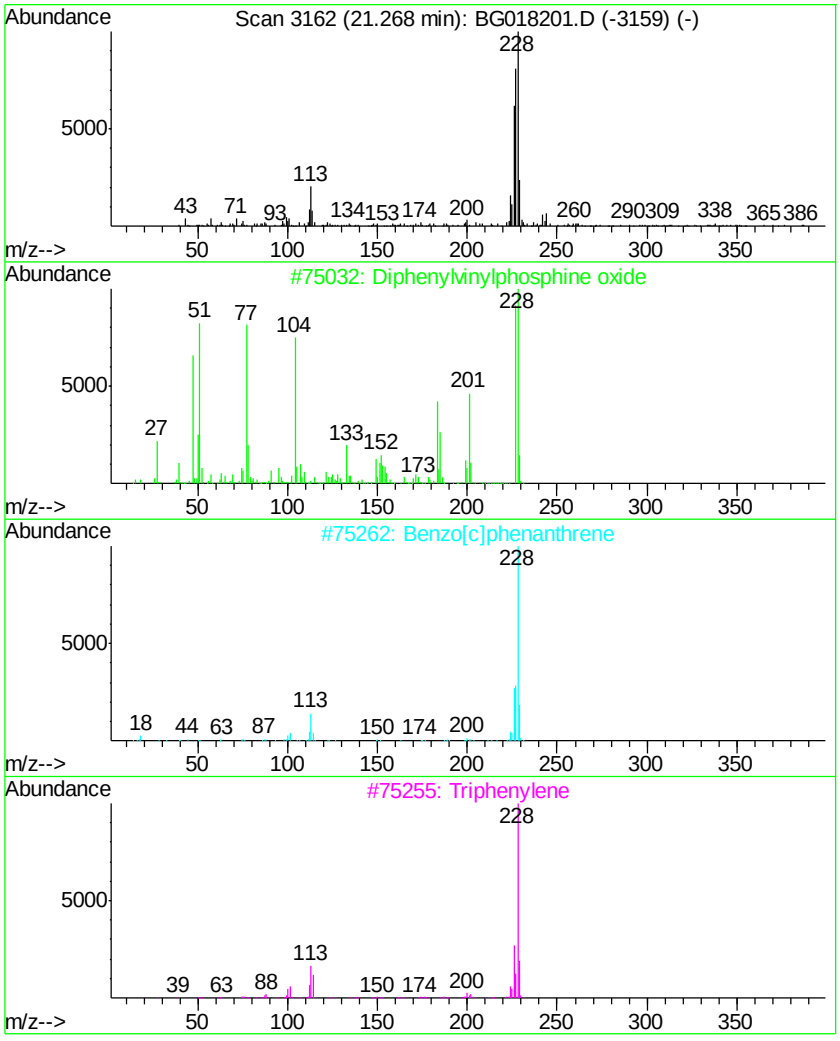
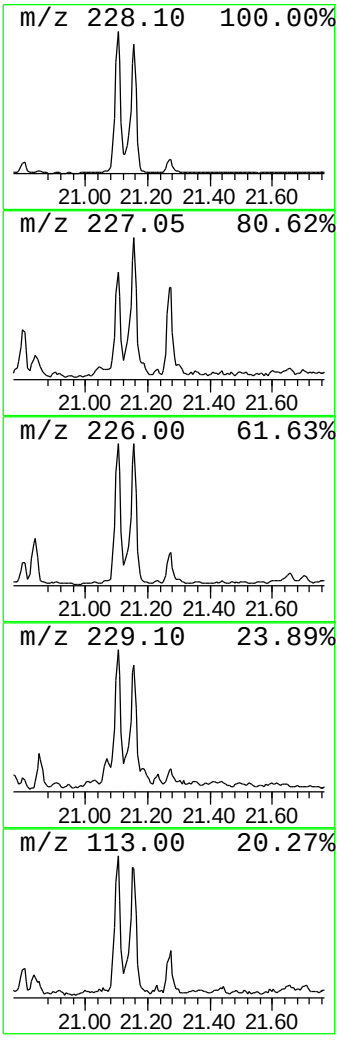
Peak Number 15 unknown-02 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.27	2.67 ng/ul	332334	Chrysene-d12	21.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	47
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	46
3	Triphenylene	228	C18H12	000217-59-4	45
4	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	43
5	Benz[a]anthracene	228	C18H12	000056-55-3	38





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Quant Title : SVOA CALIBRATION

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

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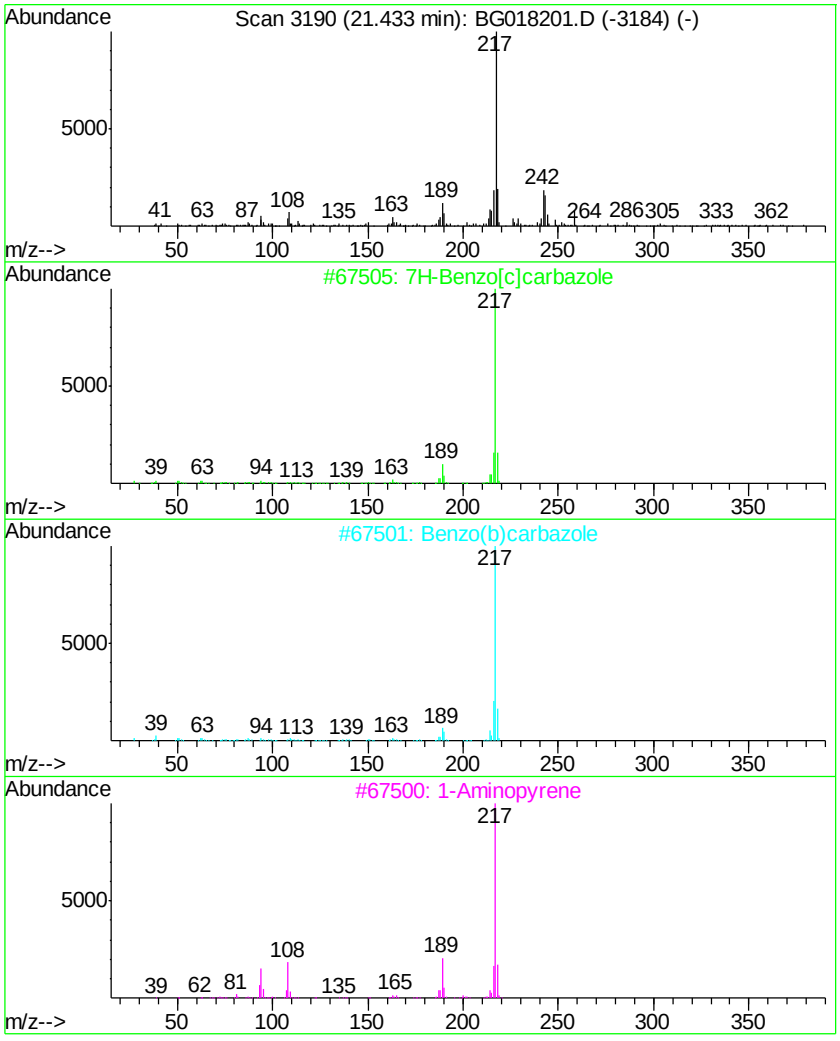
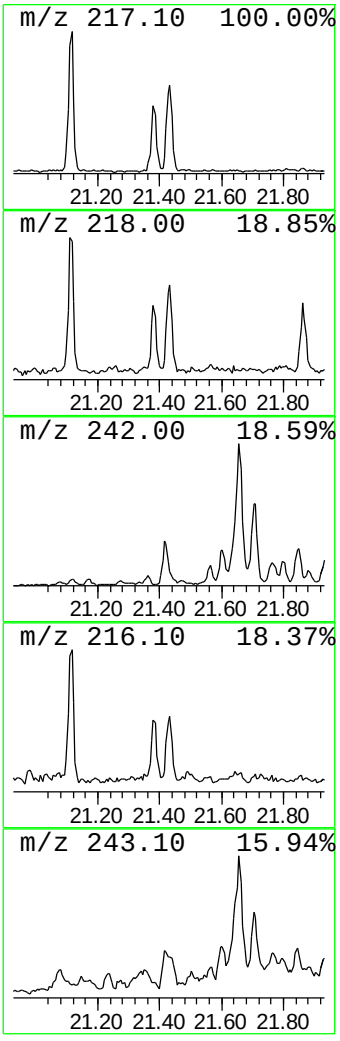
Peak Number 16 7H-Benzo[c]carbazole Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.43	2.23 ng/ul	276862	Chrysene-d12	21.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	87
2	Benzo(b)carbazole	217	C16H11N	000243-28-7	55
3	1-Aminopyrene	217	C16H11N	001606-67-3	55
4	Benzo(c)carbazole	217	C16H11N	034777-33-8	50
5	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	50





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Sample : G3065-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02A3

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Quant Title : SVOA CALIBRATION

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

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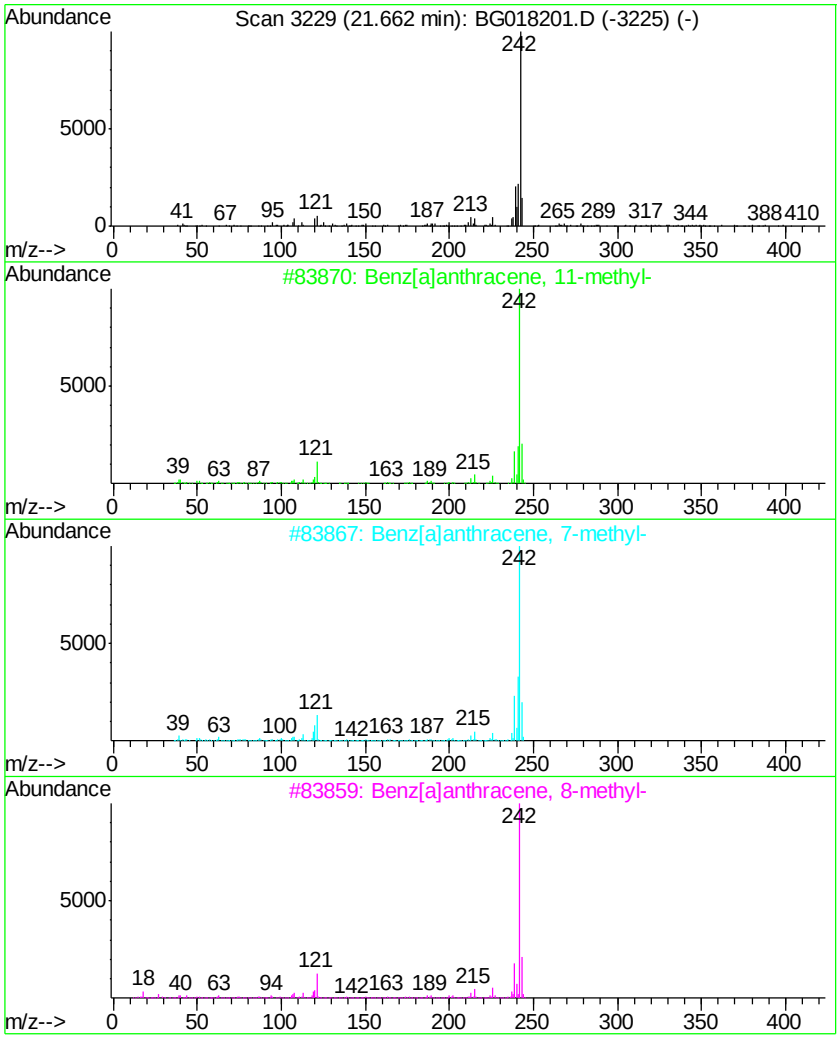
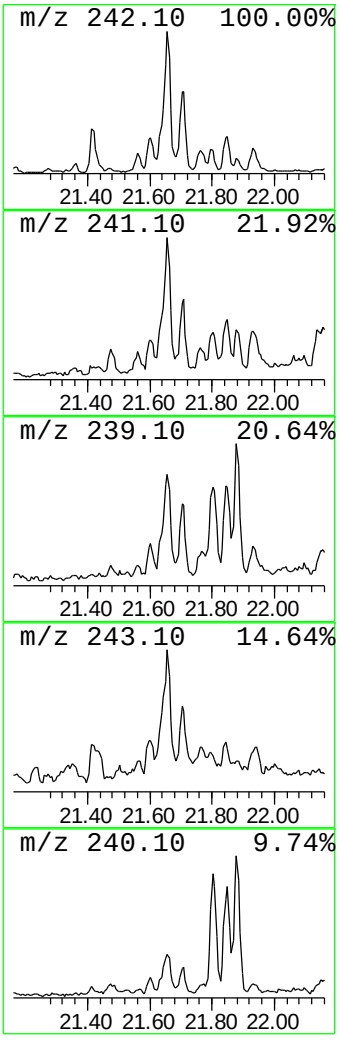
Peak Number 17 Benz[a]anthracene, 11-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.66	2.78 ng/ul	344905	Chrysene-d12	21.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 11-methyl-	242	C19H14	006111-78-0	93
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	90
3	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	83
4	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	81
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073115\
Data File : BG018201.D
Acq On : 1 Aug 2015 3:28
Operator : TP/UM
Sample : G3065-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02A3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.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
Dibenzothiophene	16.73	2.7	ng/ul	106282	4	16.91	783064	20.0
Phenanthrene, 2-m...	17.78	3.3	ng/ul	127148	4	16.91	783064	20.0
Anthracene, 1-met...	17.83	4.7	ng/ul	184659	4	16.91	783064	20.0
Anthracene, 2-met...	17.91	2.6	ng/ul	100836	4	16.91	783064	20.0
4H-Cyclopenta[def...	17.98	7.5	ng/ul	293739	4	16.91	783064	20.0
1H-Cyclopropa[l]p...	18.02	3.0	ng/ul	118656	4	16.91	783064	20.0
Phenanthrene, 4,5...	18.54	2.2	ng/ul	84484	4	16.91	783064	20.0
Phenanthrene, 2,5...	18.72	3.1	ng/ul	122936	4	16.91	783064	20.0
Phenanthrene, 1,7...	18.77	3.3	ng/ul	127383	4	16.91	783064	20.0
11H-Benzo[b]fluorene	19.85	3.7	ng/ul	458343	5	21.12	2485790	20.0
Pyrene, 1-methyl-	19.95	3.2	ng/ul	394959	5	21.12	2485790	20.0
Pyrene, 4-methyl-	20.00	2.7	ng/ul	341020	5	21.12	2485790	20.0
Benzo[b]naphtho[2...	20.76	3.3	ng/ul	412841	5	21.12	2485790	20.0
unknown-01	20.85	2.1	ng/ul	257160	5	21.12	2485790	20.0
unknown-02	21.27	2.7	ng/ul	332334	5	21.12	2485790	20.0
7H-Benzo[c]carbazole	21.43	2.2	ng/ul	276862	5	21.12	2485790	20.0
Benz[a]anthracene...	21.66	2.8	ng/ul	344905	5	21.12	2485790	20.0