LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080215\
Data File : BG018222.D
Acq On : 2 Aug 2015 12:55
Operator : TP
Sample : G3065-10RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02A3RE

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	5.991	558	562	569	rBV2	22643	33497	0.79%	0.067%
2	6.667	672	677	690	rVB	182421	284221	6.71%	0.569%
3	6.814	695	702	713	rVB	137467	204536	4.83%	0.409%
4	7.008	729	735	741	rBV	191699	292059	6.89%	0.584%
5	7.472	805	814	821	rVB	357451	561374	13.25%	1.123%
6	8.201	932	938	946	rVB	229668	355503	8.39%	0.711%
7	8.629	1005	1011	1020	rVB	180746	301484	7.11%	0.603%
8	9.346	1123	1133	1140	rBV	172405	286992	6.77%	0.574%
9	9.887	1218	1225	1234	rBV	265561	437577	10.32%	0.876%
10	10.257	1280	1288	1294	rBV	618189	1015139	23.95%	2.031%
11	10.404	1307	1313	1322	rVV2	54297	102152	2.41%	0.204%
12	11.931	1568	1573	1579	rVB	19596	32206	0.76%	0.064%
13	12.484	1662	1667	1674	rBV3	32721	53951	1.27%	0.108%
14	12.748	1704	1712	1715	rBV2	44602	66821	1.58%	0.134%
15	13.459	1828	1833	1839	rBV2	87502	127950	3.02%	0.256%
16	13.571	1845	1852	1855	rVV	471721	683186	16.12%	1.367%
17	13.618	1855	1860	1868	rVB	1143250	1559629	36.80%	3.121%
18	13.694	1868	1873	1878	rBV7	21391	31695	0.75%	0.063%
19	13.835	1891	1897	1906	rBV	469609	706892	16.68%	1.414%
20	14.070	1932	1937	1941	rBV4	32957	52694	1.24%	0.105%
21	14.152	1944	1951	1958	rVV2	1016614	1485449	35.05%	2.972%
22	14.211	1958	1961	1971	rVB	74587	123589	2.92%	0.247%
23	14.387	1982	1991	1997	rBV3	66696	127588	3.01%	0.255%
24	14.476	2002	2006	2012	rVV	61916	95616	2.26%	0.191%
25	14.546	2012	2018	2030	rVV2	35748	89766	2.12%	0.180%
26	14.687	2039	2042	2049	rVB8	23141	36130	0.85%	0.072%
27	14.775	2052	2057	2062	rBV5	17637	35085	0.83%	0.070%
28	14.940	2079	2085	2089	rBV7	29202	59248	1.40%	0.119%
29	14.987	2089	2093	2097	rVV	101247	137071	3.23%	0.274%
30	15.022	2097	2099	2103	rVB3	30274	32085	0.76%	0.064%
31	15.151	2113	2121	2126	rBV	563955	793512	18.72%	1.588%
32	15.204	2126	2130	2134	rVB	107762	147803	3.49%	0.296%
33	15.286	2140	2144	2149	rBV	148316	197653	4.66%	0.395%
34	15.433	2164	2169	2177	rVB6	36466	72393	1.71%	0.145%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080215\
Data File : BG018222.D
Acq On : 2 Aug 2015 12:55
Operator : TP
Sample : G3065-10RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02A3RE

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	15.504	2177	2181	2190	rVB6	26146	66959	1.58%	0.134%
36	15.651	2200	2206	2207	rBV6	25633	41361	0.98%	0.083%
37	15.886	2242	2246	2249	rBV2	83181	120085	2.83%	0.240%
38	16.262	2307	2310	2313	rVB4	25714	31690	0.75%	0.063%
39	16.573	2359	2363	2369	rBV7	21198	37175	0.88%	0.074%
40	16.732	2385	2390	2398	rVB2	78045	161094	3.80%	0.322%
41	16.908	2415	2420	2424	rBV	941794	1343803	31.71%	2.689%
42	16.949	2424	2427	2432	rVV	725640	976017	23.03%	1.953%
43	17.008	2432	2437	2440	rVV	516286	726694	17.15%	1.454%
44	17.037	2440	2442	2448	rVB	245250	306321	7.23%	0.613%
45	17.102	2450	2453	2458	rVB3	25775	46420	1.10%	0.093%
46	17.319	2486	2490	2497	rBV4	39293	86152	2.03%	0.172%
47	17.490	2515	2519	2522	rBV	33962	44448	1.05%	0.089%
48	17.631	2540	2543	2550	rVB3	30815	57959	1.37%	0.116%
49	17.783	2565	2569	2573	rBV	142050	192810	4.55%	0.386%
50	17.830	2573	2577	2583	rVB	204181	295530	6.97%	0.591%
51	17.913	2585	2591	2595	rVV2	77316	137946	3.25%	0.276%
52	17.977	2597	2602	2606	rVV2	254110	443124	10.46%	0.887%
53	18.013	2606	2608	2615	rVB	120254	174151	4.11%	0.348%
54	18.195	2635	2639	2642	rVB4	35517	46386	1.09%	0.093%
55	18.295	2652	2656	2660	rVB	81426	103563	2.44%	0.207%
56	18.389	2669	2672	2674	rBV3	25442	30614	0.72%	0.061%
57	18.541	2691	2698	2702	rBV3	98175	165628	3.91%	0.331%
58	18.594	2704	2707	2710	rVV	75650	98121	2.32%	0.196%
59	18.630	2710	2713	2717	rVB2	59551	81795	1.93%	0.164%
60	18.718	2723	2728	2732	rBV2	114603	193088	4.56%	0.386%
61	18.765	2732	2736	2741	rVV4	78180	142390	3.36%	0.285%
62	18.923	2760	2763	2768	rVB6	41569	60114	1.42%	0.120%
63	18.988	2768	2774	2781	rBV	2126528	2750422	64.90%	5.503%
64	19.047	2781	2784	2788	rVV2	87861	116556	2.75%	0.233%
65	19.229	2811	2815	2819	rBV2	81230	115885	2.73%	0.232%
66	19.270	2819	2822	2826	rVV4	60378	70957	1.67%	0.142%
67	19.323	2826	2831	2833	rVV3	812997	1261488	29.77%	2.524%
68	19.352	2833	2836	2844	rVV	1865865	2456347	57.96%	4.915%
69	19.429	2845	2849	2855	rVB2	137533	231111	5.45%	0.462%
70	19.528	2861	2866	2871	rBV2	143931	232897	5.50%	0.466%
71	19.593	2874	2877	2882	rVB3	84439	114430	2.70%	0.229%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080215\
Data File : BG018222.D
Acq On : 2 Aug 2015 12:55
Operator : TP
Sample : G3065-10RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02A3RE

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	19.687	2886	2893	2898	rBV4	126463	351635	8.30%	0.704%
73	19.769	2904	2907	2910	rBV3	93601	120438	2.84%	0.241%
74	19.810	2910	2914	2916	rVV3	109715	164205	3.87%	0.329%
75	19.852	2917	2921	2925	rVB	551003	723629	17.07%	1.448%
76	19.951	2934	2938	2942	rVB	504849	620521	14.64%	1.242%
77	20.010	2942	2948	2952	rBV2	352964	544760	12.85%	1.090%
78	20.145	2968	2971	2975	rBV	240409	309073	7.29%	0.618%
79	20.192	2975	2979	2984	rVV	251214	325629	7.68%	0.652%
80	20.563	3038	3042	3046	rBV3	124244	233449	5.51%	0.467%
81	20.686	3061	3063	3069	rVB2	103816	139679	3.30%	0.279%
82	20.768	3069	3077	3080	rBV2	373857	684232	16.14%	1.369%
83	20.803	3080	3083	3086	rVV	178883	201350	4.75%	0.403%
84	20.845	3087	3090	3094	rVV4	288516	391795	9.24%	0.784%
85	21.115	3130	3136	3141	rBV3	2246608	4238157	100.00%	8.480%
86	21.162	3141	3144	3153	rVB	1864670	2283087	53.87%	4.568%
87	21.238	3154	3157	3160	rBV2	156753	176490	4.16%	0.353%
88	21.279	3160	3164	3168	rBV2	314179	461572	10.89%	0.924%
89	21.432	3185	3190	3194	rBV2	267448	476145	11.23%	0.953%
90	21.661	3223	3229	3233	rBV	454942	696016	16.42%	1.393%
91	21.708	3234	3237	3244	rVB	333282	409833	9.67%	0.820%
92	21.849	3258	3261	3264	rBV	178521	265797	6.27%	0.532%
93	21.943	3273	3277	3283	rBV3	238968	426347	10.06%	0.853%
94	22.660	3393	3399	3404	rBV	1345971	3183619	75.12%	6.370%
95	22.819	3423	3426	3432	rVB	311229	473310	11.17%	0.947%
96	23.124	3472	3478	3482	rBV	911337	1683761	39.73%	3.369%
97	23.224	3489	3495	3501	rVB	1441735	2521532	59.50%	5.045%
98	23.312	3505	3510	3515	rVV	751774	1469556	34.67%	2.940%
99	23.359	3515	3518	3525	rVB2	396806	662879	15.64%	1.326%
100	25.527	3881	3887	3896	rVB	574359	1555638	36.71%	3.113%

Sum of corrected areas: 49978211

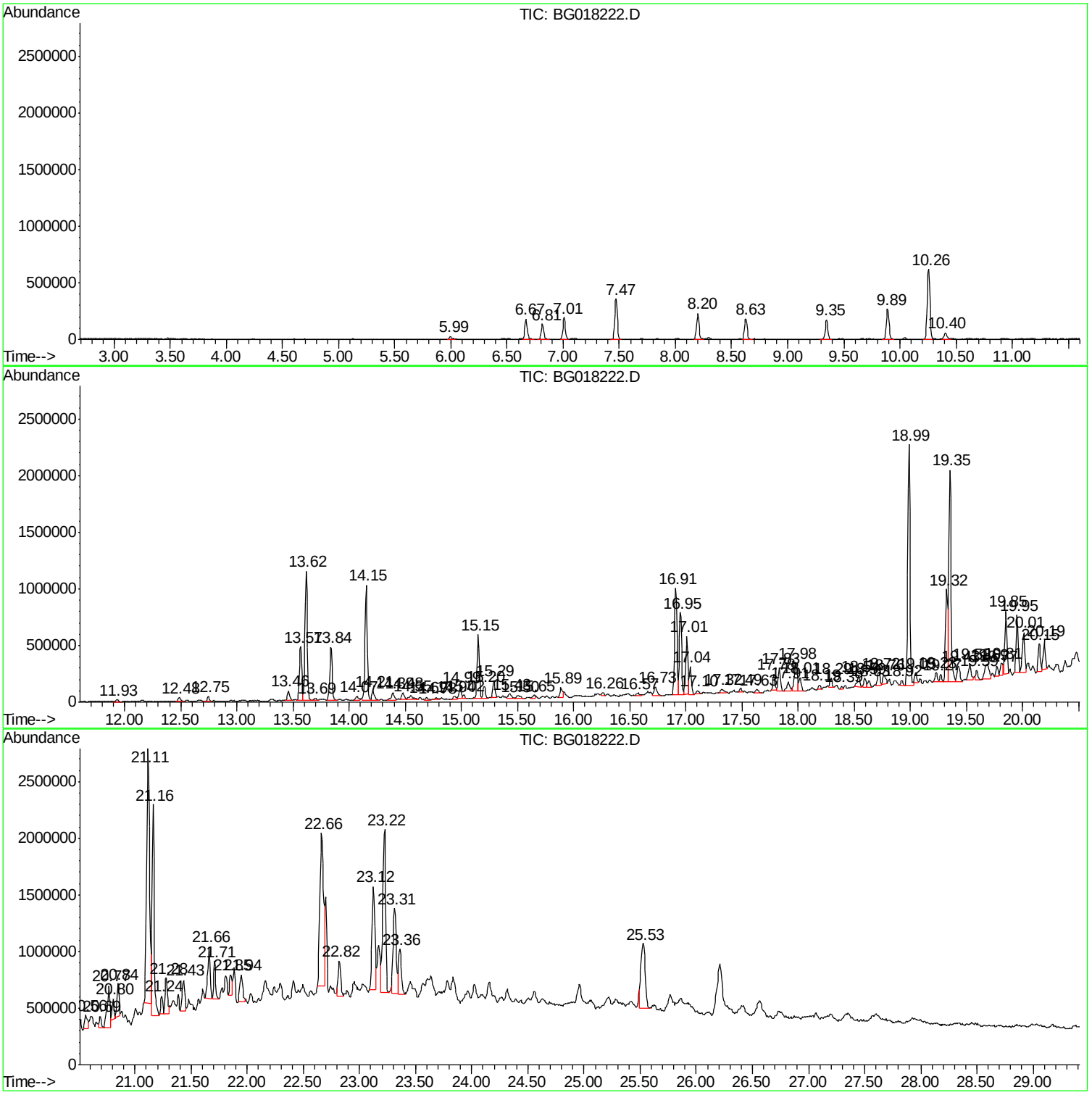
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080215\
Data File : BG018222.D
Acq On : 2 Aug 2015 12:55
Operator : TP
Sample : G3065-10RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02A3RE

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\BG080215\
Data File : BG018222.D
Acq On : 2 Aug 2015 12:55
Operator : TP
Sample : G3065-10RE
Misc :
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Instrument : BNA_G
ClientSampleId : C02A3RE

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

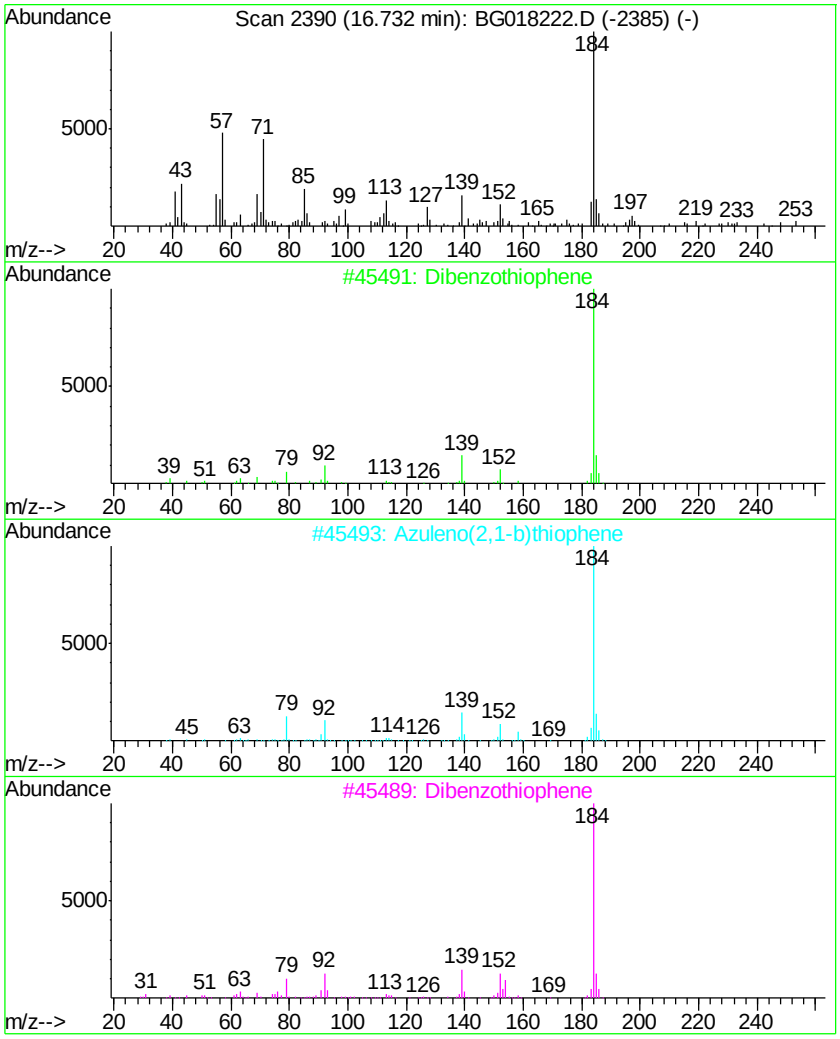
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

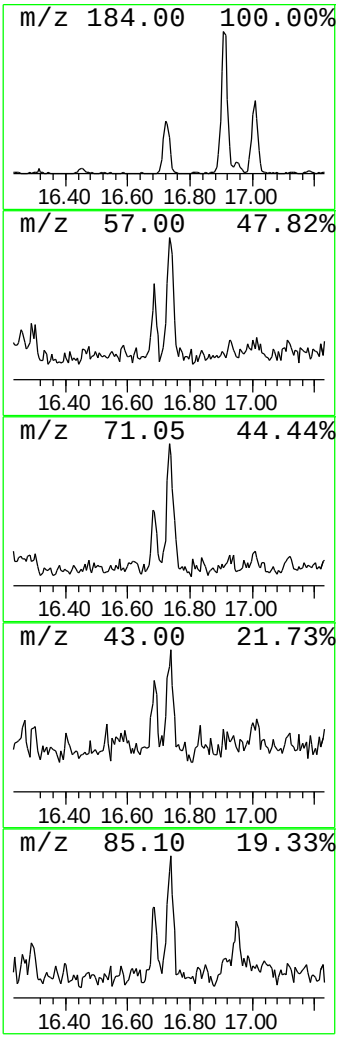
****

Peak Number 1 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.73	2.40 ng/ul	161094	Phenanthrene-d10	16.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	60
2	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	53
3	Dibenzothiophene	184	C12H8S	000132-65-0	49
4	2,5-Cyclohexadiene-1,4-dione, 2,...	184	C8H8O5	000085-23-4	47
5	Dibenzothiophene	184	C12H8S	000132-65-0	47





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080215\
Data File : BG018222.D
Acq On : 2 Aug 2015 12:55
Operator : TP
Sample : G3065-10RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02A3RE

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

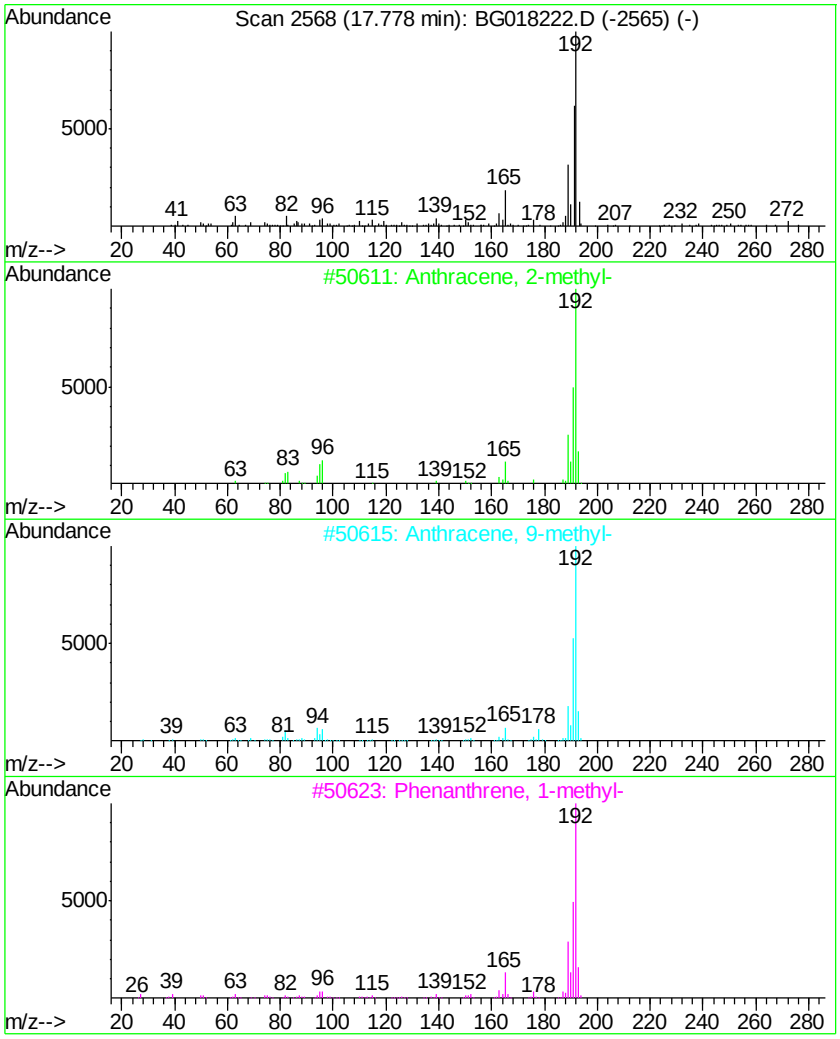
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

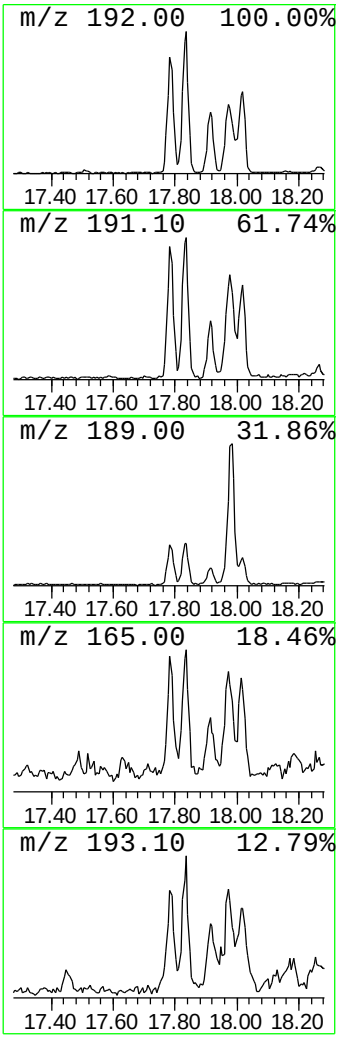
****

Peak Number 2 Anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.78	2.87 ng/ul	192810	Phenanthrene-d10	16.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	89





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080215\
Data File : BG018222.D
Acq On : 2 Aug 2015 12:55
Operator : TP
Sample : G3065-10RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02A3RE

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

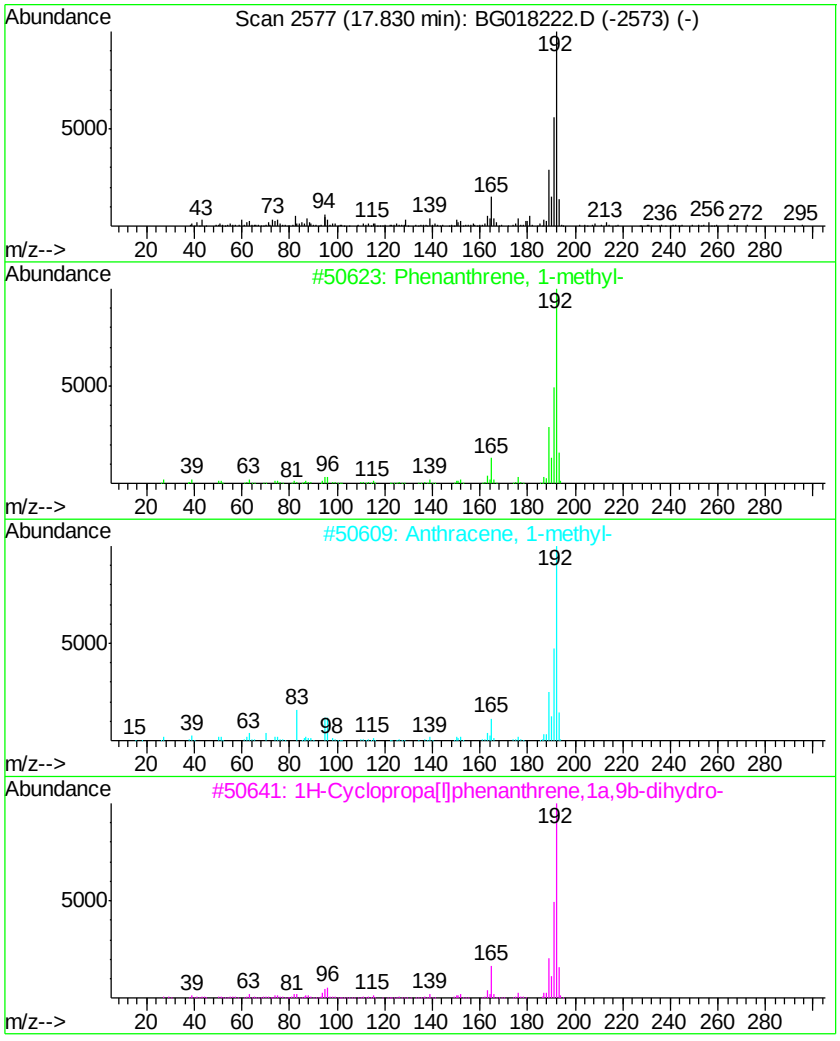
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

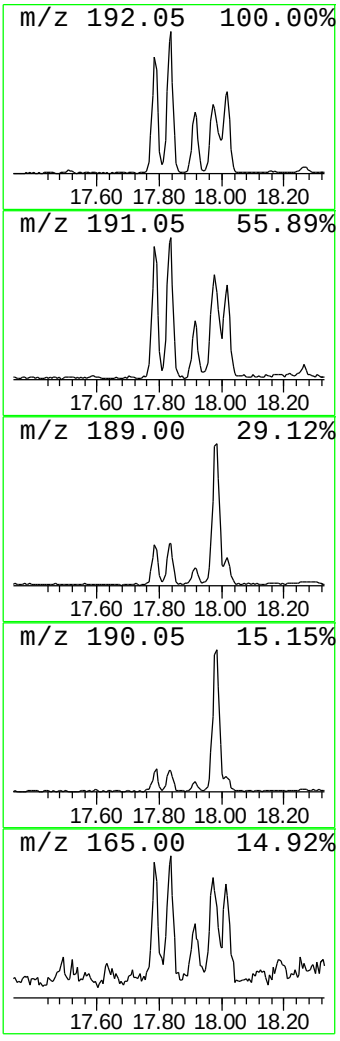
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.83	4.40 ng/ul	295530	Phenanthrene-d10	16.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080215\
Data File : BG018222.D
Acq On : 2 Aug 2015 12:55
Operator : TP
Sample : G3065-10RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02A3RE

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

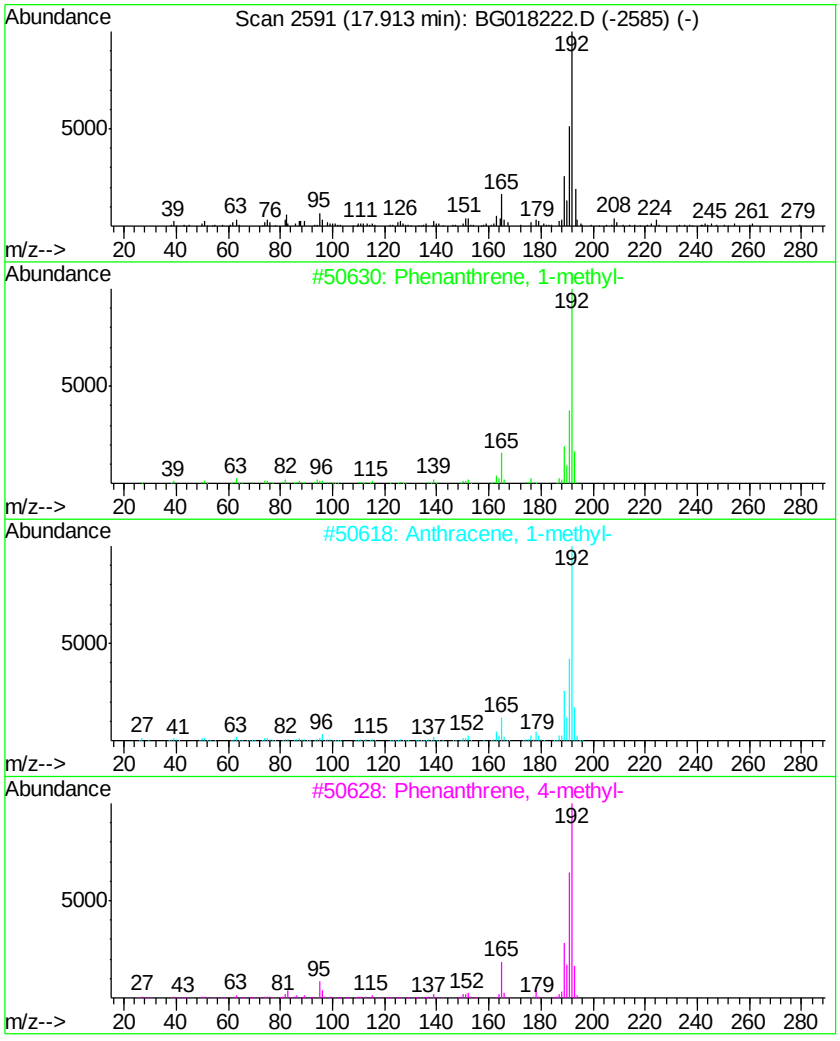
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

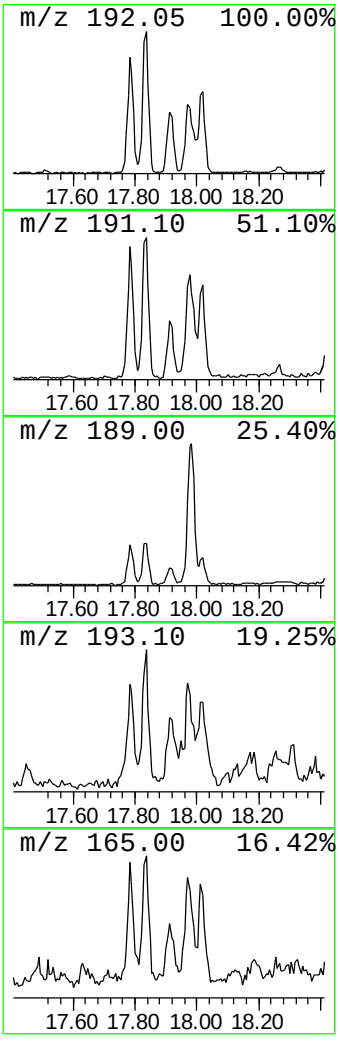
****

Peak Number 4 Anthracene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.91	2.05 ng/ul	137946	Phenanthrene-d10	16.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080215\
Data File : BG018222.D
Acq On : 2 Aug 2015 12:55
Operator : TP
Sample : G3065-10RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02A3RE

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

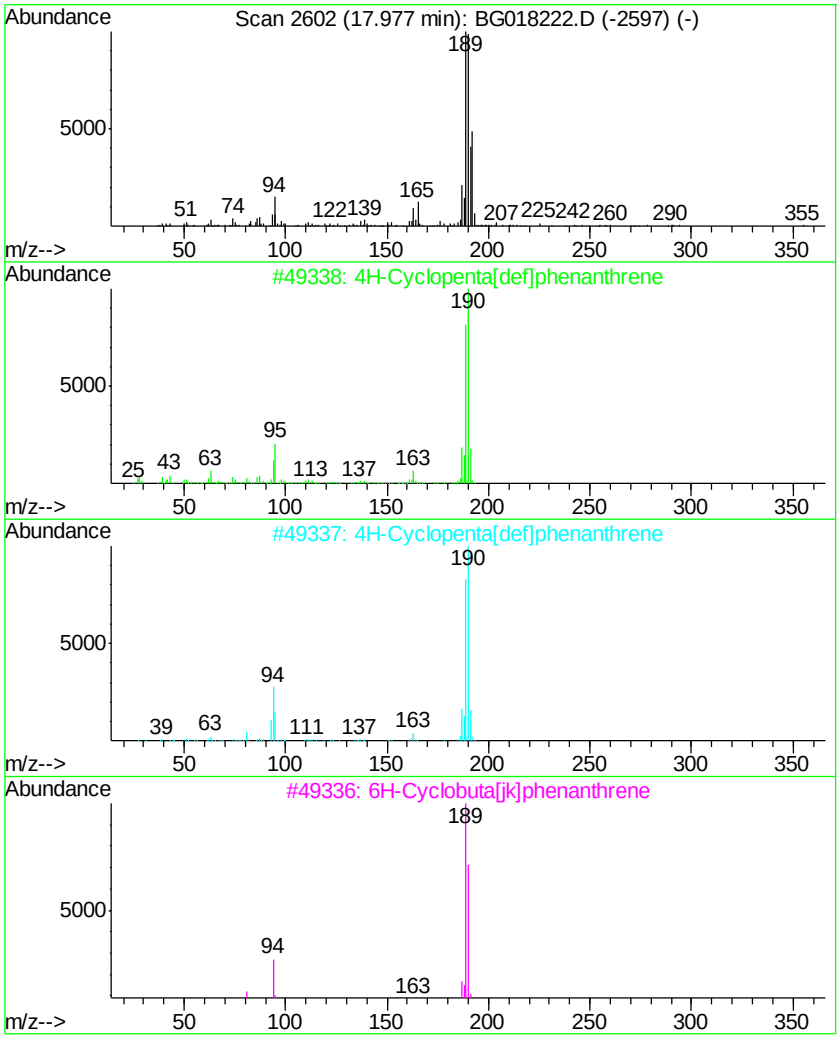
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

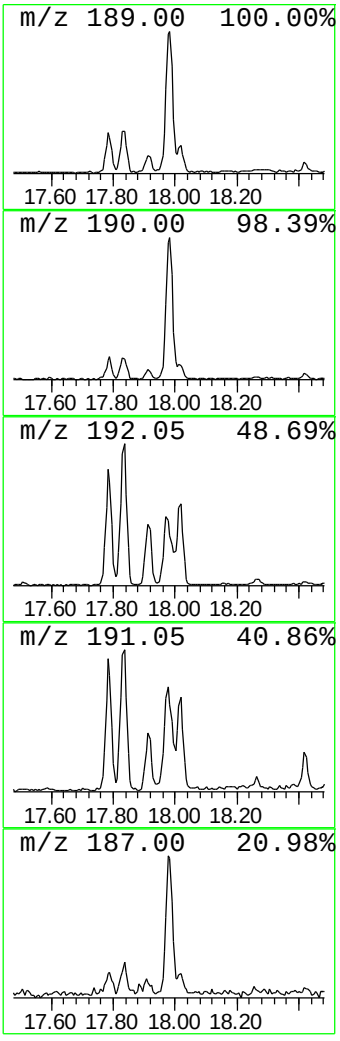
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.98	6.60 ng/ul	443124	Phenanthrene-d10	16.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	46
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	38





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Acq On : 2 Aug 2015 12:55
Operator : TP
Sample : G3065-10RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02A3RE

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

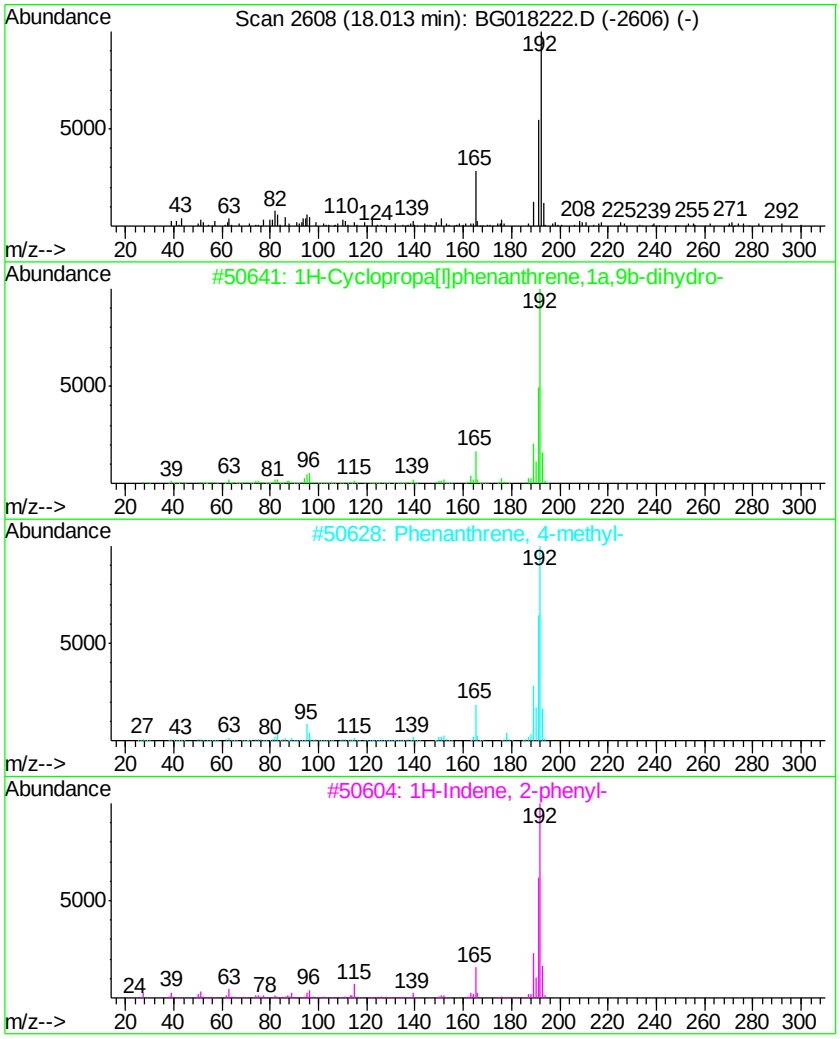
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

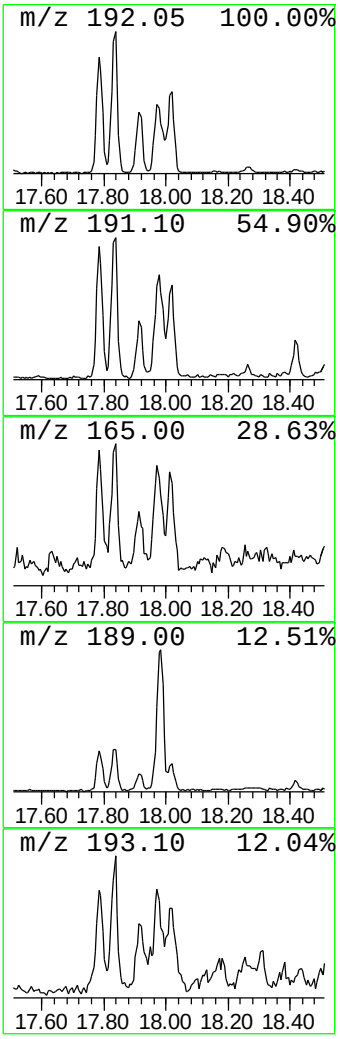
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	2.59 ng/ul	174151	Phenanthrene-d10	16.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	80
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	74
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	72
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	64
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	64





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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02A3RE

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

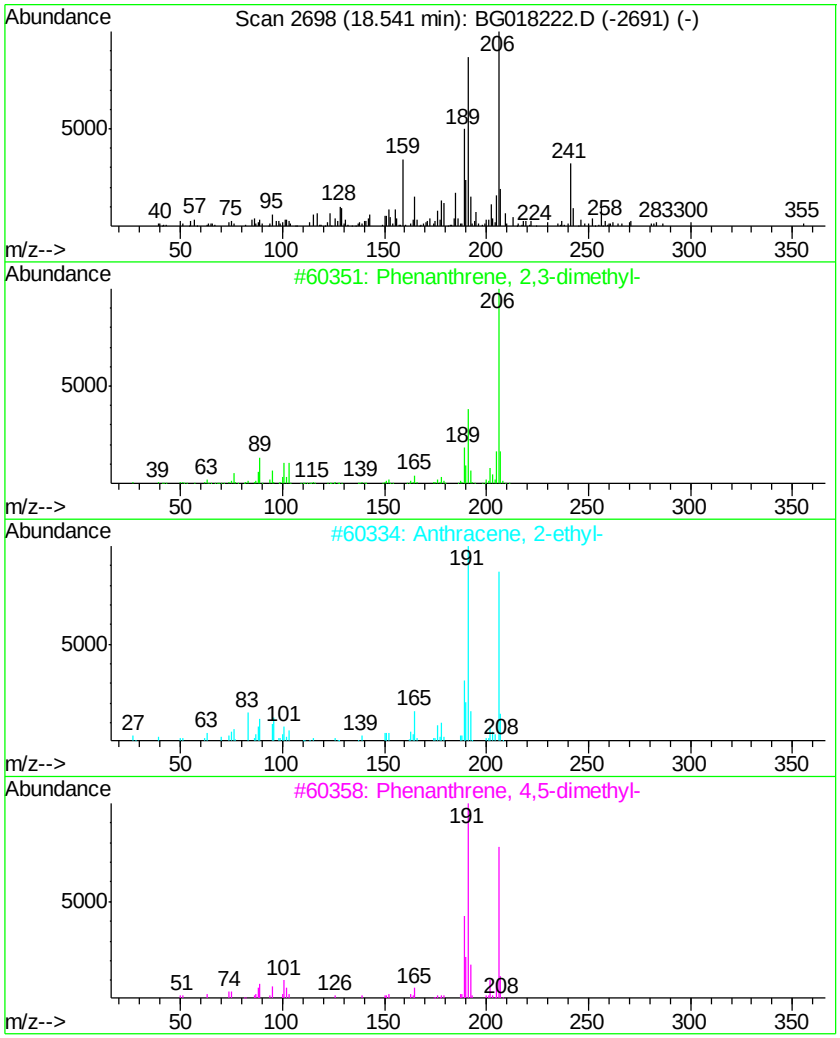
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

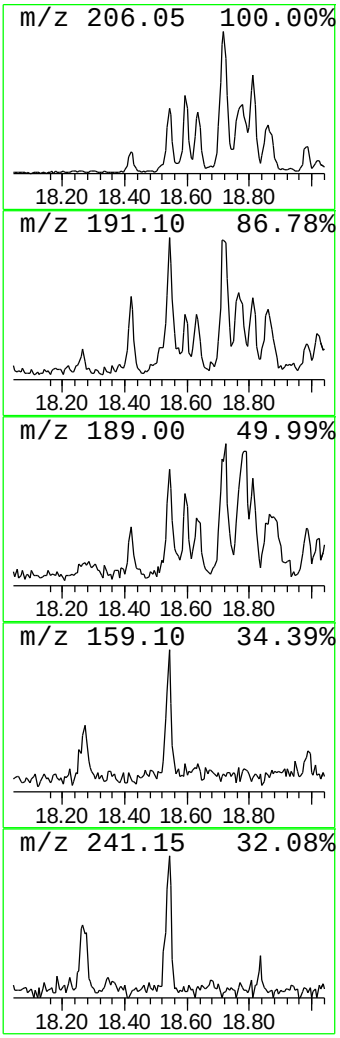
****

Peak Number 7 Phenanthrene, 2,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	2.47 ng/ul	165628	Phenanthrene-d10	16.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	81
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	70
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	68
4	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	62
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	62





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Misc :
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Instrument : BNA_G
ClientSampleId : C02A3RE

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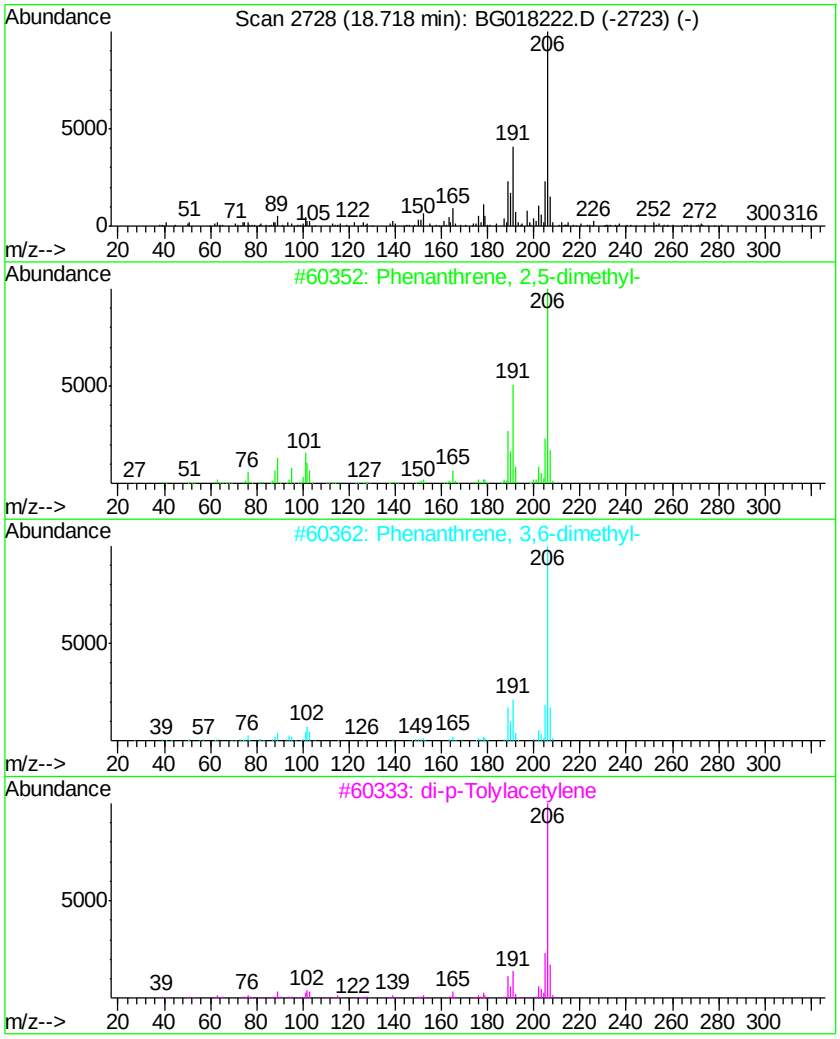
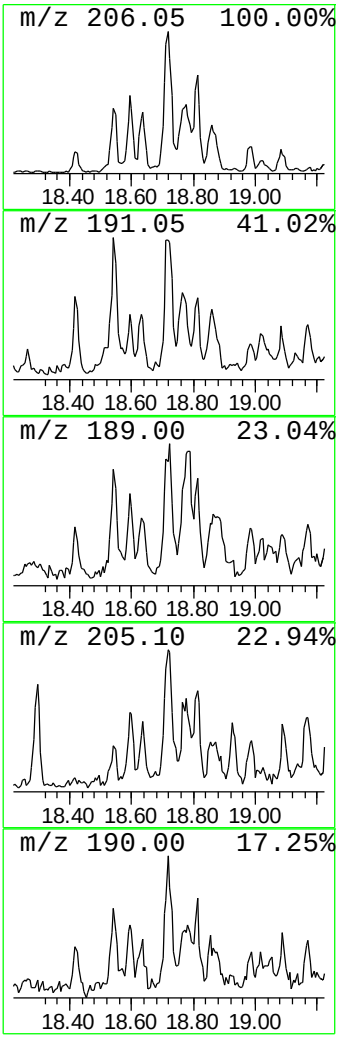
Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	2.87 ng/ul	193088	Phenanthrene-d10	16.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





Library Search Compound Report

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

Instrument : BNA_G
ClientSampleId : C02A3RE

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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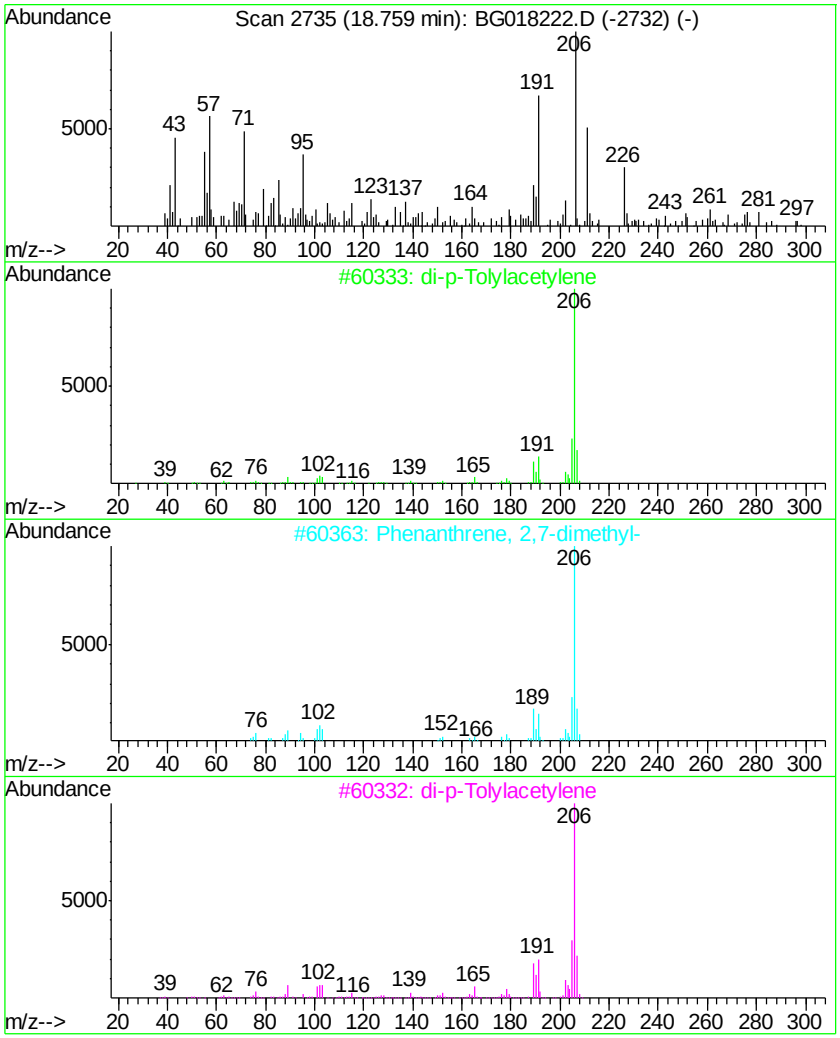
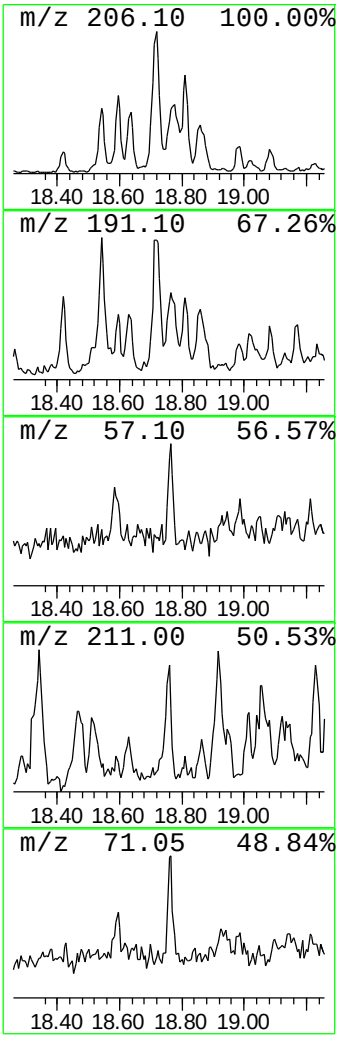
Peak Number 9 di-p-Tolylacetylene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.76	2.12 ng/ul	142390	Phenanthrene-d10	16.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	64
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	50
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	43
4	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	43
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	38





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Acq On : 2 Aug 2015 12:55
Operator : TP
Sample : G3065-10RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02A3RE

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Quant Title : SVOA CALIBRATION

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

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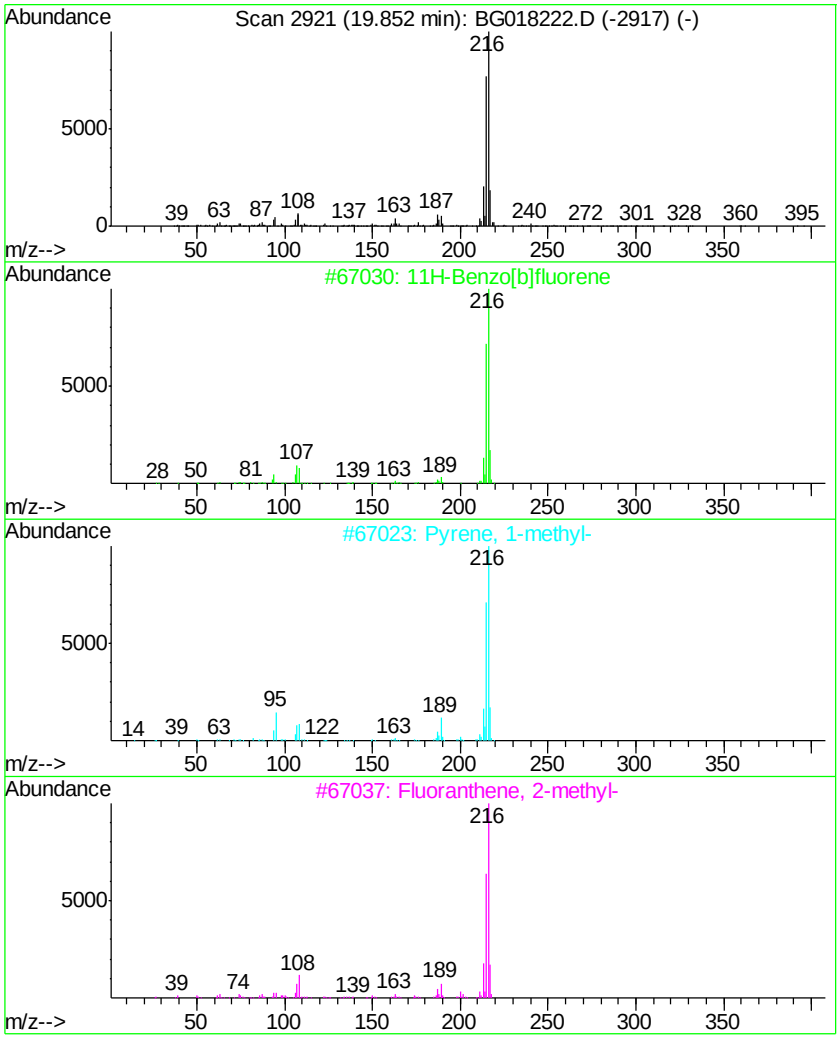
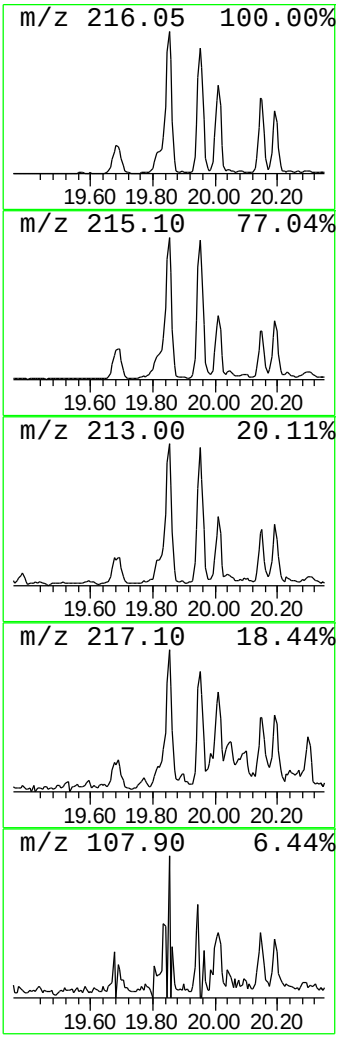
Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.85	3.41 ng/ul	723629	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
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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Sample : G3065-10RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02A3RE

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Quant Title : SVOA CALIBRATION

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

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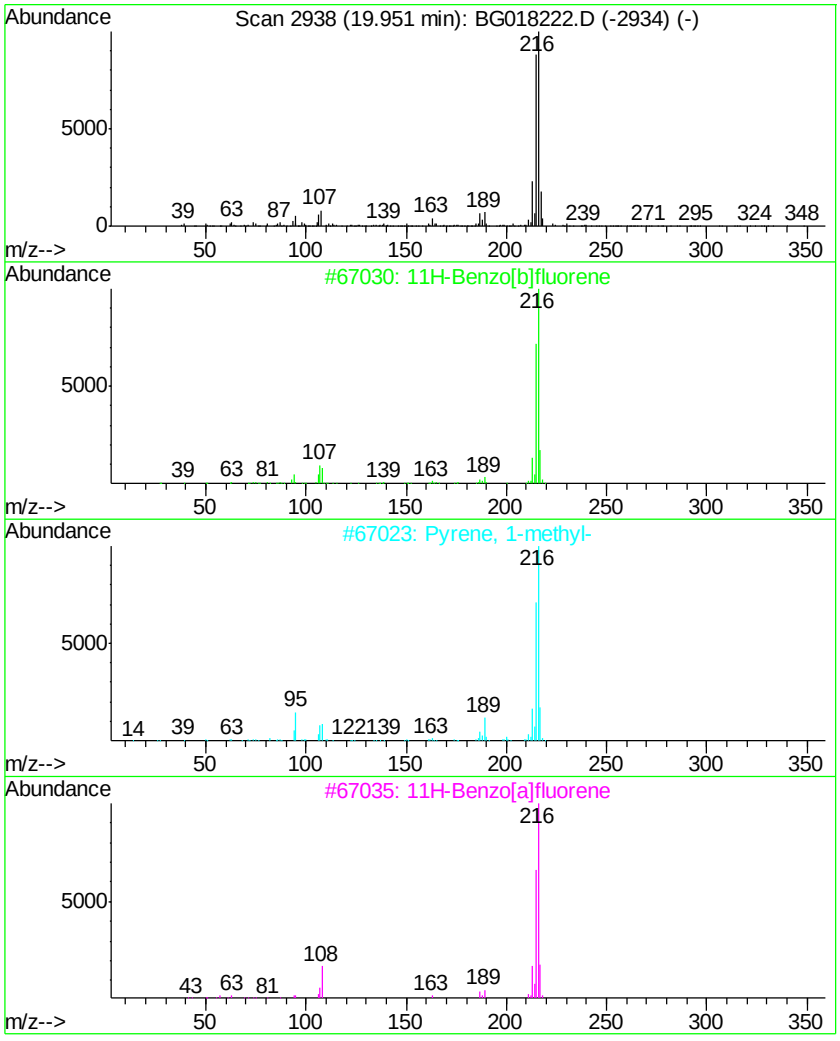
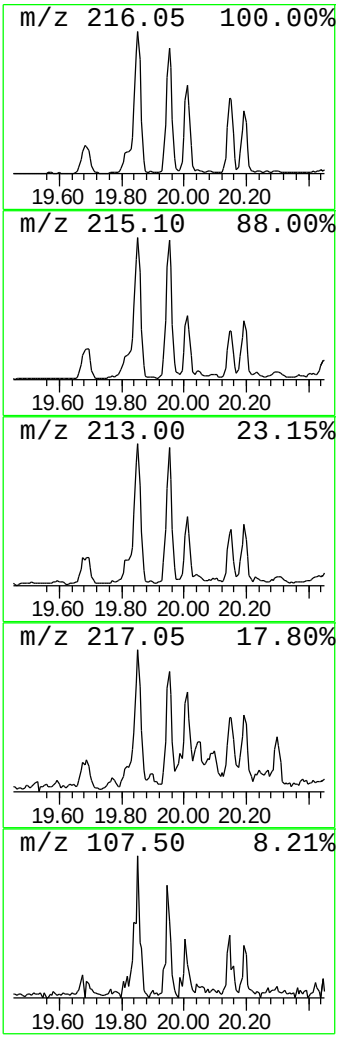
Peak Number 11 Pyrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.95	2.93 ng/ul	620521	Chrysene-d12	21.13

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





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Misc :
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Instrument : BNA_G
ClientSampleId : C02A3RE

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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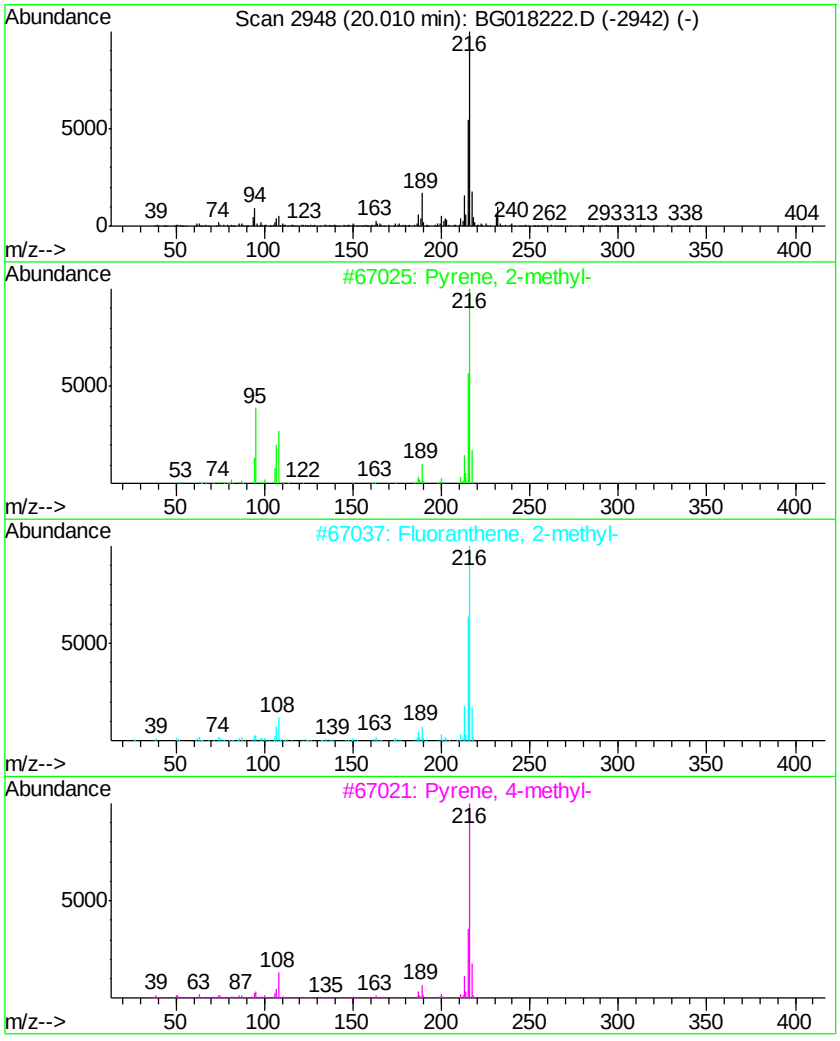
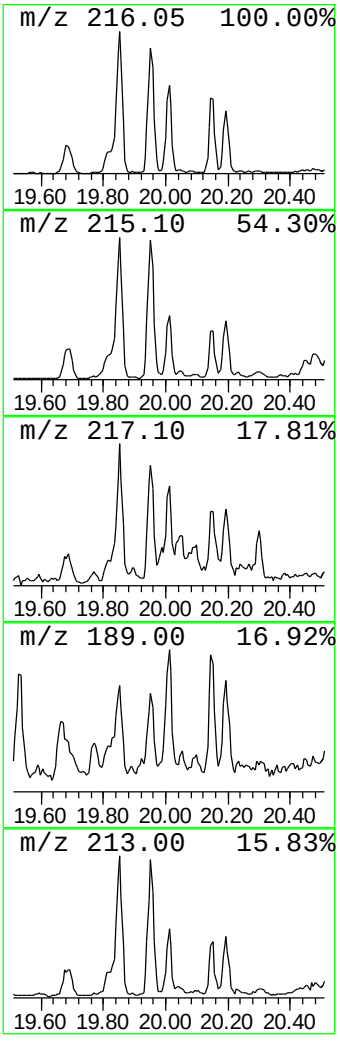
Peak Number 12 Pyrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.01	2.57 ng/ul	544760	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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Misc :
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Quant Title : SVOA CALIBRATION

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

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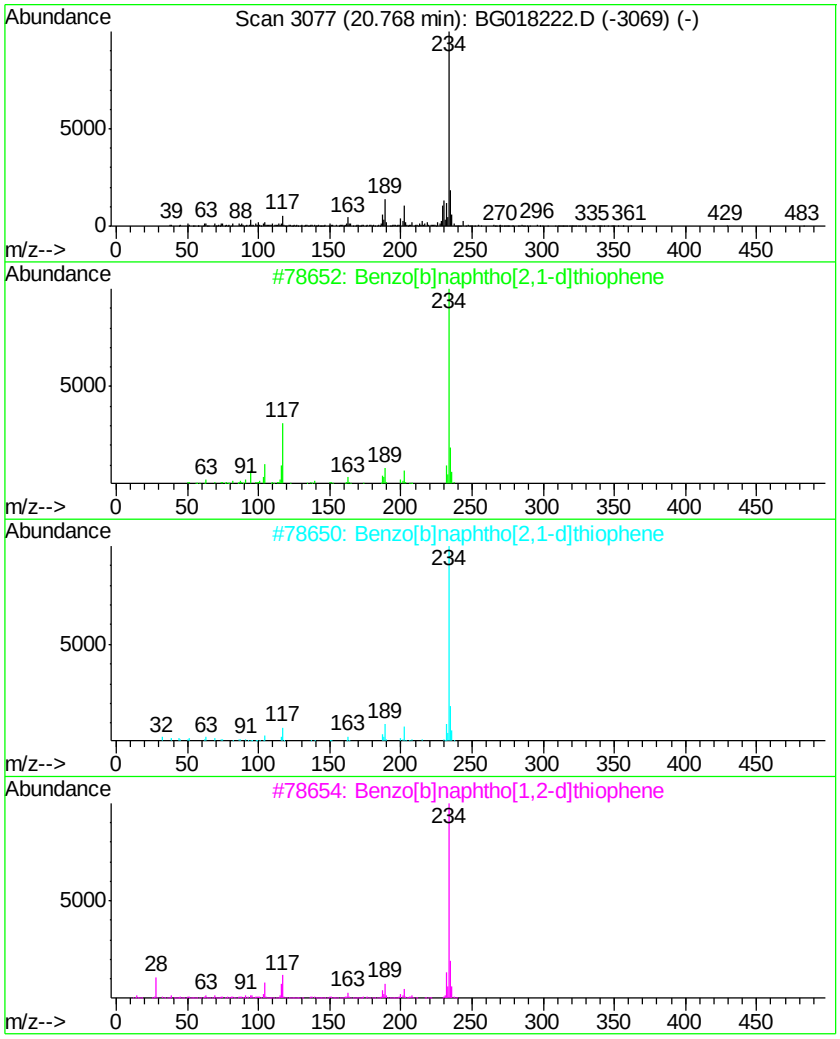
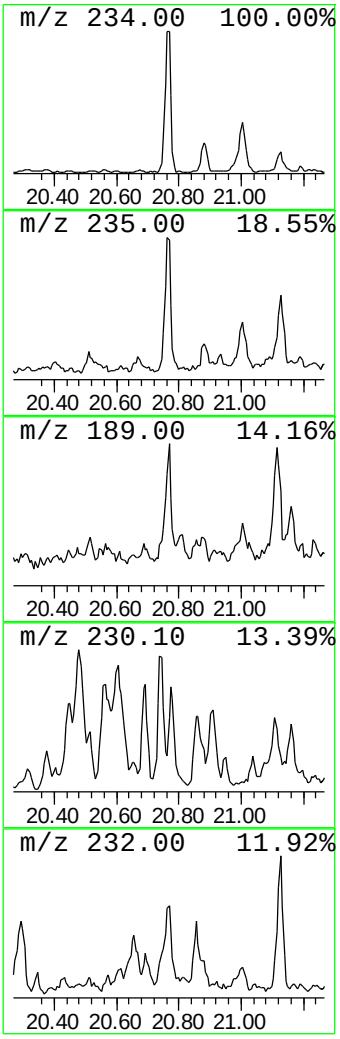
Peak Number 13 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.77	3.23 ng/ul	684232	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	90
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	81





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

Instrument : BNA_G
ClientSampleId : C02A3RE

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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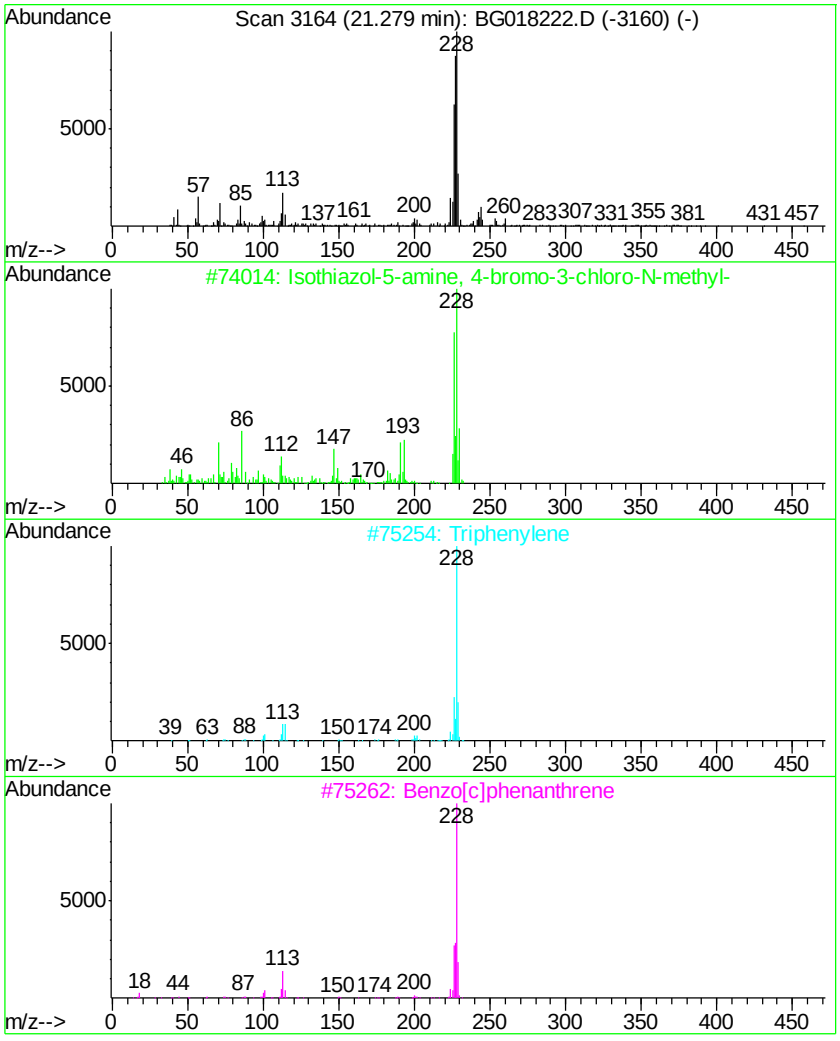
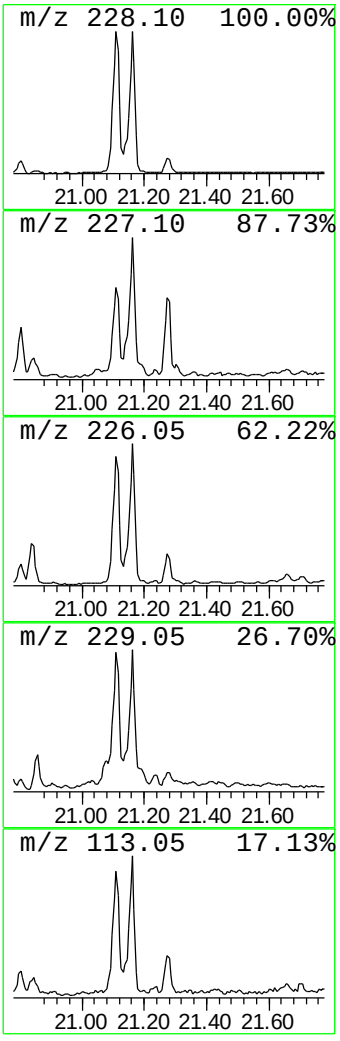
Peak Number 14 unknown-01 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.28	2.18 ng/ul	461572	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	47
2	Triphenylene	228	C18H12	000217-59-4	46
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	43
4	Triphenylene	228	C18H12	000217-59-4	41
5	Naphthacene	228	C18H12	000092-24-0	41





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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02A3RE

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Quant Title : SVOA CALIBRATION

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

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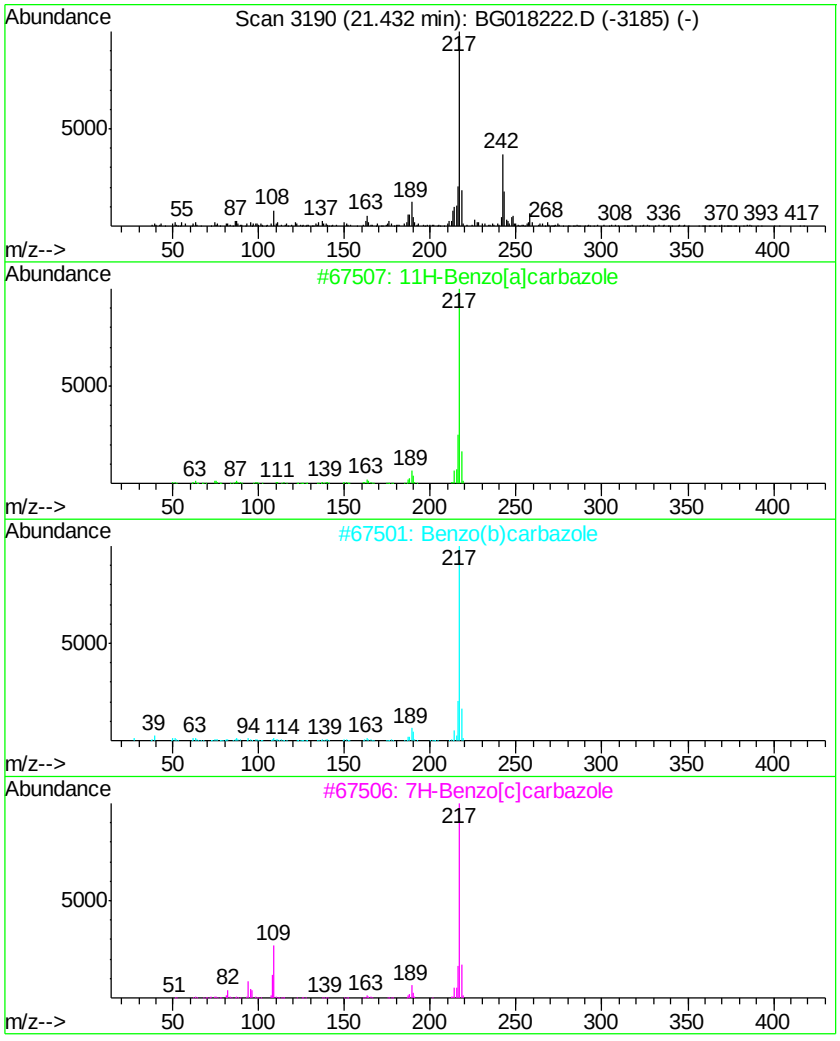
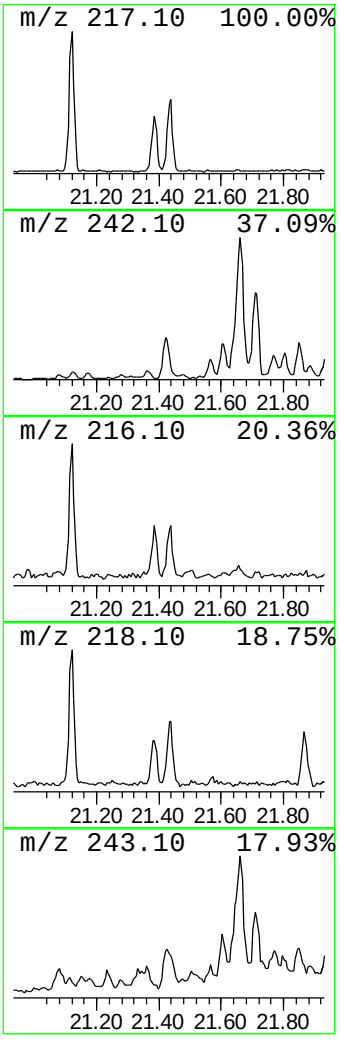
Peak Number 15 11H-Benzo[a]carbazole Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.43	2.25 ng/ul	476145	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	76
2	Benzo(b)carbazole	217	C16H11N	000243-28-7	70
3	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	64
4	11H-Indeno(1,2-b)quinoline	217	C16H11N	000243-51-6	60
5	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	53





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Misc :
ALS Vial : 21 Sample Multiplier: 1

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ClientSampleId : C02A3RE

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Quant Title : SVOA CALIBRATION

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

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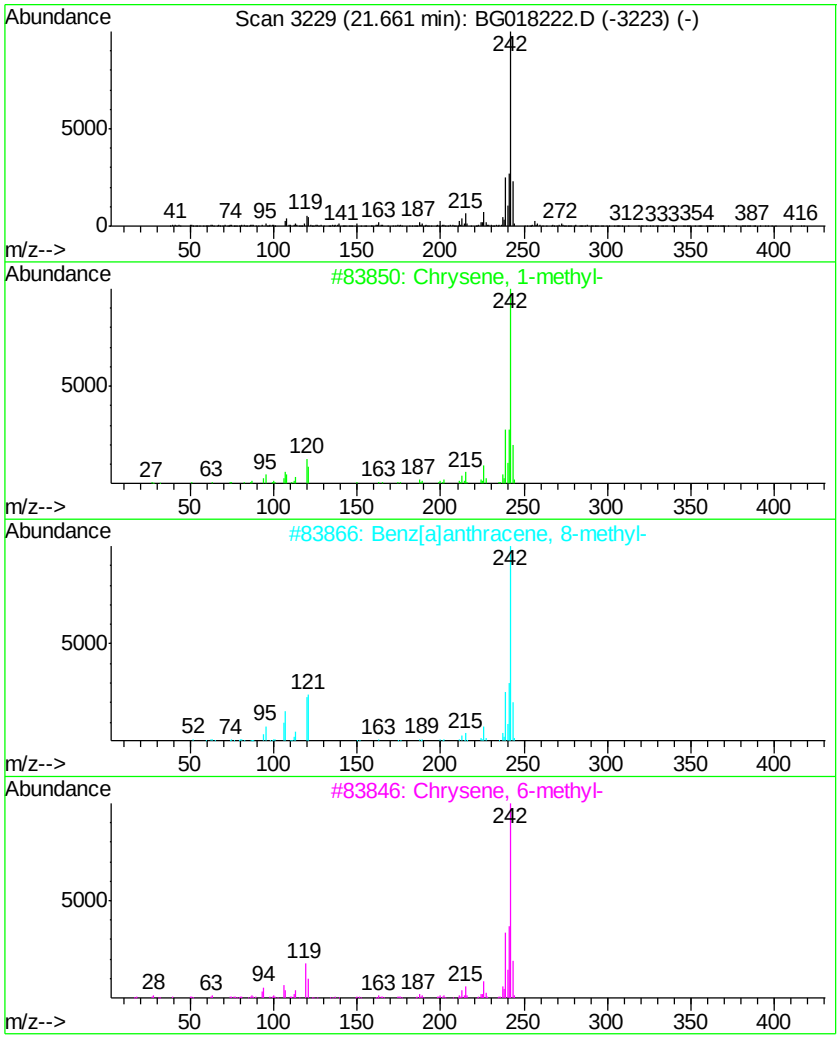
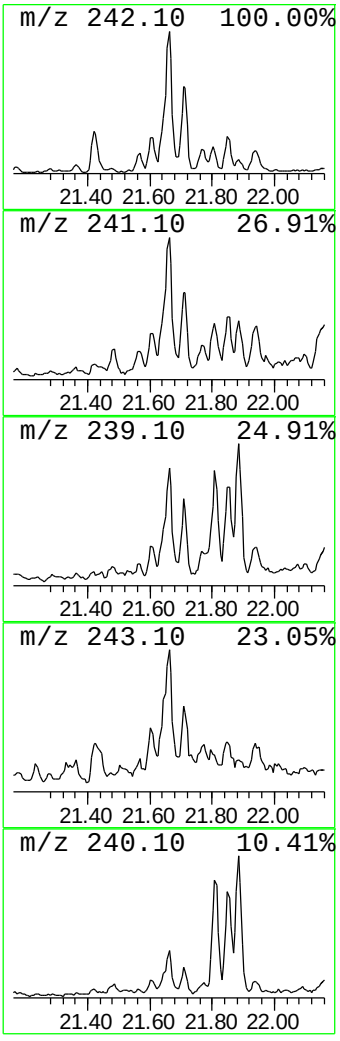
Peak Number 16 Chrysene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.66	3.28 ng/ul	696016	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
2	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	93
3	Chrysene, 6-methyl-	242	C19H14	001705-85-7	93
4	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	90
5	Chrysene, 6-methyl-	242	C19H14	001705-85-7	90





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

Instrument : BNA_G
ClientSampleId : C02A3RE

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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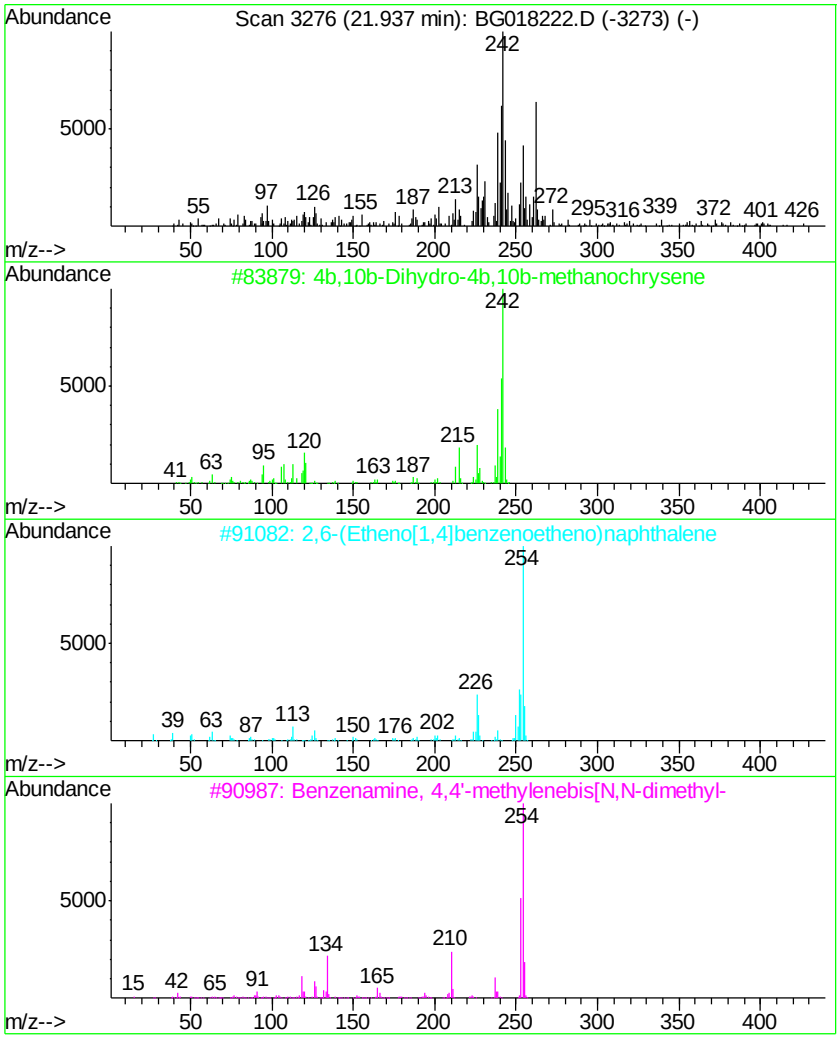
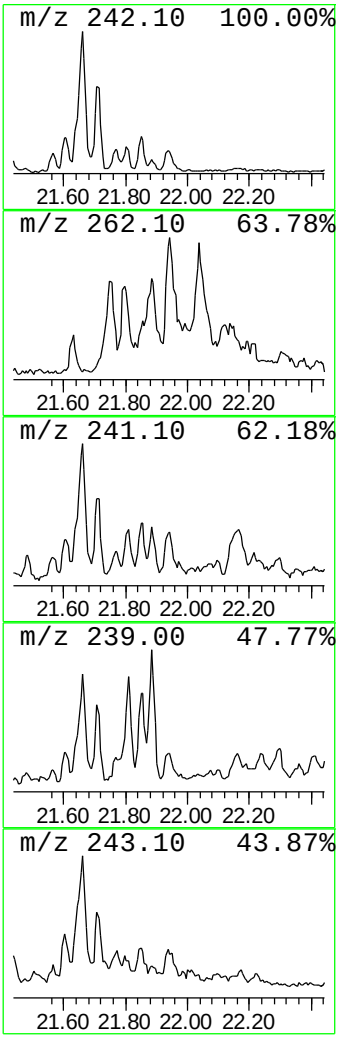
Peak Number 17 unknown-02 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.94	2.01 ng/ul	426347	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,10b-Dihydro-4b,10b-methanochr...	242	C19H14	071949-03-6	20
2	2,6-(Etheno[1,4]benzenoetheno)na...	254	C20H14	117054-70-3	15
3	Benzenamine, 4,4'-methylenebis[N...	254	C17H22N2	000101-61-1	11
4	2,3,8,9-Tetrahydro-1H,5ah-cyclop...	262	C13H14N2S2	1000148-34-8	11
5	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	11





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080215\
Data File : BG018222.D
Acq On : 2 Aug 2015 12:55
Operator : TP
Sample : G3065-10RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02A3RE

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	2.4	ng/ul	161094	4	16.91	1343800	20.0
Anthracene, 2-met...	17.78	2.9	ng/ul	192810	4	16.91	1343800	20.0
Phenanthrene, 1-m...	17.83	4.4	ng/ul	295530	4	16.91	1343800	20.0
Anthracene, 1-met...	17.91	2.0	ng/ul	137946	4	16.91	1343800	20.0
4H-Cyclopenta[def...	17.98	6.6	ng/ul	443124	4	16.91	1343800	20.0
1H-Cyclopropa[l]p...	18.01	2.6	ng/ul	174151	4	16.91	1343800	20.0
Phenanthrene, 2,3...	18.54	2.5	ng/ul	165628	4	16.91	1343800	20.0
Phenanthrene, 2,5...	18.72	2.9	ng/ul	193088	4	16.91	1343800	20.0
di-p-Tolylacetylene	18.76	2.1	ng/ul	142390	4	16.91	1343800	20.0
11H-Benzo[b]fluorene	19.85	3.4	ng/ul	723629	5	21.13	4238160	20.0
Pyrene, 1-methyl-	19.95	2.9	ng/ul	620521	5	21.13	4238160	20.0
Pyrene, 2-methyl-	20.01	2.6	ng/ul	544760	5	21.13	4238160	20.0
Benzo[b]naphtho[2...	20.77	3.2	ng/ul	684232	5	21.13	4238160	20.0
unknown-01	21.28	2.2	ng/ul	461572	5	21.13	4238160	20.0
11H-Benzo[a]carba...	21.43	2.3	ng/ul	476145	5	21.13	4238160	20.0
Chrysene, 1-methyl-	21.66	3.3	ng/ul	696016	5	21.13	4238160	20.0
unknown-02	21.94	2.0	ng/ul	426347	5	21.13	4238160	20.0