LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072415\
Data File : BG018092.D
Acq On : 24 Jul 2015 16:50
Operator : TP/UM
Sample : G3035-13DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02J6DL

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	6.699	679	683	688	rVB2	23627	32116	1.71%	0.158%
2	6.858	705	710	715	rVB2	18450	28944	1.54%	0.142%
3	7.046	737	742	746	rVB2	23360	35732	1.90%	0.176%
4	7.510	815	821	829	rVB	211371	327040	17.40%	1.607%
5	8.227	939	943	950	rVB	30007	45744	2.43%	0.225%
6	8.662	1013	1017	1024	rVB2	22043	37838	2.01%	0.186%
7	9.384	1134	1140	1146	rVV2	21294	32580	1.73%	0.160%
8	9.925	1226	1232	1238	rVB	32339	51820	2.76%	0.255%
9	10.295	1288	1295	1301	rVV	313432	514959	27.40%	2.530%
10	10.442	1314	1320	1331	rVB	23265	43018	2.29%	0.211%
11	11.970	1574	1580	1586	rBV	19834	32328	1.72%	0.159%
12	12.199	1610	1619	1624	rBV	15441	24417	1.30%	0.120%
13	13.603	1853	1858	1862	rVV	61792	88094	4.69%	0.433%
14	13.650	1862	1866	1871	rVB	20929	25365	1.35%	0.125%
15	13.873	1898	1904	1909	rBV	70159	103478	5.51%	0.508%
16	14.185	1950	1957	1963	rVV2	511484	761654	40.52%	3.742%
17	14.249	1963	1968	1976	rVV	86516	124909	6.65%	0.614%
18	14.408	1988	1995	2003	rBV3	24468	45251	2.41%	0.222%
19	14.584	2020	2025	2032	rVV	52075	80899	4.30%	0.397%
20	15.183	2122	2127	2132	rVV	94824	130991	6.97%	0.644%
21	15.236	2132	2136	2142	rVV2	85158	123931	6.59%	0.609%
22	15.313	2145	2149	2155	rVV5	22951	41685	2.22%	0.205%
23	15.536	2182	2187	2194	rVB	19567	30981	1.65%	0.152%
24	15.683	2207	2212	2219	rVV	21859	43242	2.30%	0.212%
25	16.229	2296	2305	2306	rBV4	14061	25710	1.37%	0.126%
26	16.247	2306	2308	2313	rVV5	18619	27086	1.44%	0.133%
27	16.594	2362	2367	2376	rVB2	40225	57746	3.07%	0.284%
28	16.693	2376	2384	2391	rBV6	23470	64012	3.41%	0.314%
29	16.758	2391	2395	2404	rVV	59930	91735	4.88%	0.451%
30	16.940	2420	2426	2429	rBV	663279	901011	47.94%	4.426%
31	16.981	2429	2433	2439	rVV	853410	1190804	63.36%	5.850%
32	17.040	2439	2443	2445	rVV	112814	162639	8.65%	0.799%
33	17.075	2445	2449	2454	rVV	192242	272290	14.49%	1.338%
34	17.134	2454	2459	2464	rVB3	17454	32648	1.74%	0.160%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072415\
Data File : BG018092.D
Acq On : 24 Jul 2015 16:50
Operator : TP/UM
Sample : G3035-13DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02J6DL

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	17.346	2491	2495	2500	rVB	68871	95552	5.08%	0.469%
36	17.463	2512	2515	2520	rBV3	24070	31920	1.70%	0.157%
37	17.522	2520	2525	2529	rBV2	37877	53990	2.87%	0.265%
38	17.663	2545	2549	2557	rVB	23966	45127	2.40%	0.222%
39	17.739	2557	2562	2566	rBV6	15068	23484	1.25%	0.115%
40	17.816	2566	2575	2579	rBV	138626	221324	11.78%	1.087%
41	17.863	2579	2583	2590	rVV	192965	289262	15.39%	1.421%
42	17.945	2592	2597	2602	rVV	58904	87300	4.64%	0.429%
43	18.015	2602	2609	2612	rVV2	182860	330802	17.60%	1.625%
44	18.051	2612	2615	2623	rVB	102546	138991	7.40%	0.683%
45	18.327	2657	2662	2665	rVV	95013	129768	6.90%	0.638%
46	18.362	2665	2668	2674	rVB2	68536	101488	5.40%	0.499%
47	18.574	2701	2704	2710	rVV2	47518	64059	3.41%	0.315%
48	18.626	2710	2713	2716	rVV	30555	36405	1.94%	0.179%
49	18.662	2716	2719	2723	rVB4	30162	41226	2.19%	0.203%
50	18.750	2723	2734	2738	rBV2	78993	150338	8.00%	0.739%
51	18.809	2739	2744	2748	rVV2	43461	84405	4.49%	0.415%
52	18.844	2748	2750	2753	rVB	24248	23303	1.24%	0.114%
53	18.885	2753	2757	2766	rBV2	60558	122750	6.53%	0.603%
54	19.014	2773	2779	2785	rVB	1024246	1323184	70.40%	6.500%
55	19.085	2787	2791	2793	rBV2	24901	35256	1.88%	0.173%
56	19.114	2793	2796	2802	rVB5	25583	31468	1.67%	0.155%
57	19.220	2808	2814	2816	rBV3	24045	44237	2.35%	0.217%
58	19.255	2817	2820	2824	rVB	41736	52285	2.78%	0.257%
59	19.296	2824	2827	2831	rVB5	15865	23783	1.27%	0.117%
60	19.349	2831	2836	2837	rBV2	313695	372664	19.83%	1.831%
61	19.379	2837	2841	2849	rVB	1039691	1464718	77.93%	7.196%
62	19.449	2849	2853	2861	rVB3	50032	90583	4.82%	0.445%
63	19.561	2868	2872	2876	rBV	46167	58568	3.12%	0.288%
64	19.619	2878	2882	2887	rVB	57081	82424	4.39%	0.405%
65	19.708	2891	2897	2903	rBV3	88490	190566	10.14%	0.936%
66	19.760	2903	2906	2909	rVB2	19797	23247	1.24%	0.114%
67	19.843	2915	2920	2922	rBV4	62242	101812	5.42%	0.500%
68	19.878	2922	2926	2931	rVB	183340	245151	13.04%	1.204%
69	19.931	2931	2935	2936	rBV3	20188	25412	1.35%	0.125%
70	19.978	2939	2943	2947	rBV	102187	126378	6.72%	0.621%
71	20.037	2947	2953	2956	rBV2	137587	201712	10.73%	0.991%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072415\
Data File : BG018092.D
Acq On : 24 Jul 2015 16:50
Operator : TP/UM
Sample : G3035-13DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02J6DL

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	20.072	2956	2959	2963	rVB	56211	73295	3.90%	0.360%
73	20.119	2964	2967	2970	rVB2	20577	25684	1.37%	0.126%
74	20.178	2972	2977	2980	rBV	86143	110885	5.90%	0.545%
75	20.219	2980	2984	2989	rVB	87498	127164	6.77%	0.625%
76	20.542	3037	3039	3043	rVB4	25697	28830	1.53%	0.142%
77	20.595	3044	3048	3049	rVV4	26463	33696	1.79%	0.166%
78	20.624	3050	3053	3060	rVB	104238	153833	8.18%	0.756%
79	20.789	3075	3081	3085	rBV2	104624	194193	10.33%	0.954%
80	20.830	3085	3088	3091	rVV	111403	135438	7.21%	0.665%
81	20.871	3091	3095	3100	rVV2	70413	154443	8.22%	0.759%
82	20.924	3100	3104	3111	rVB2	106225	174777	9.30%	0.859%
83	21.030	3120	3122	3129	rVB2	26333	36713	1.95%	0.180%
84	21.147	3135	3142	3145	rBV2	1017473	1879471	100.00%	9.233%
85	21.182	3145	3148	3156	rVB	548348	690491	36.74%	3.392%
86	21.300	3164	3168	3173	rBV	73444	104510	5.56%	0.513%
87	21.458	3191	3195	3199	rBV2	46695	78138	4.16%	0.384%
88	21.500	3199	3202	3206	rVB5	35262	43257	2.30%	0.213%
89	21.635	3222	3225	3227	rBV	31700	37307	1.98%	0.183%
90	21.688	3231	3234	3238	rVV	134019	171784	9.14%	0.844%
91	21.740	3239	3243	3247	rVB	79042	108490	5.77%	0.533%
92	21.876	3263	3266	3269	rBV	53400	76644	4.08%	0.377%
93	21.911	3269	3272	3276	rVB3	65132	84641	4.50%	0.416%
94	22.681	3398	3403	3408	rBV	343434	776591	41.32%	3.815%
95	22.845	3428	3431	3438	rVB	66631	104328	5.55%	0.513%
96	23.145	3477	3482	3488	rBV	223971	405663	21.58%	1.993%
97	23.239	3494	3498	3505	rVB	351508	608422	32.37%	2.989%
98	23.339	3508	3515	3520	rBV	558526	1056152	56.19%	5.189%
99	25.554	3885	3892	3904	rVB3	143130	410224	21.83%	2.015%
100	26.223	4000	4006	4017	rVB	103437	272662	14.51%	1.340%

Sum of corrected areas: 20355365

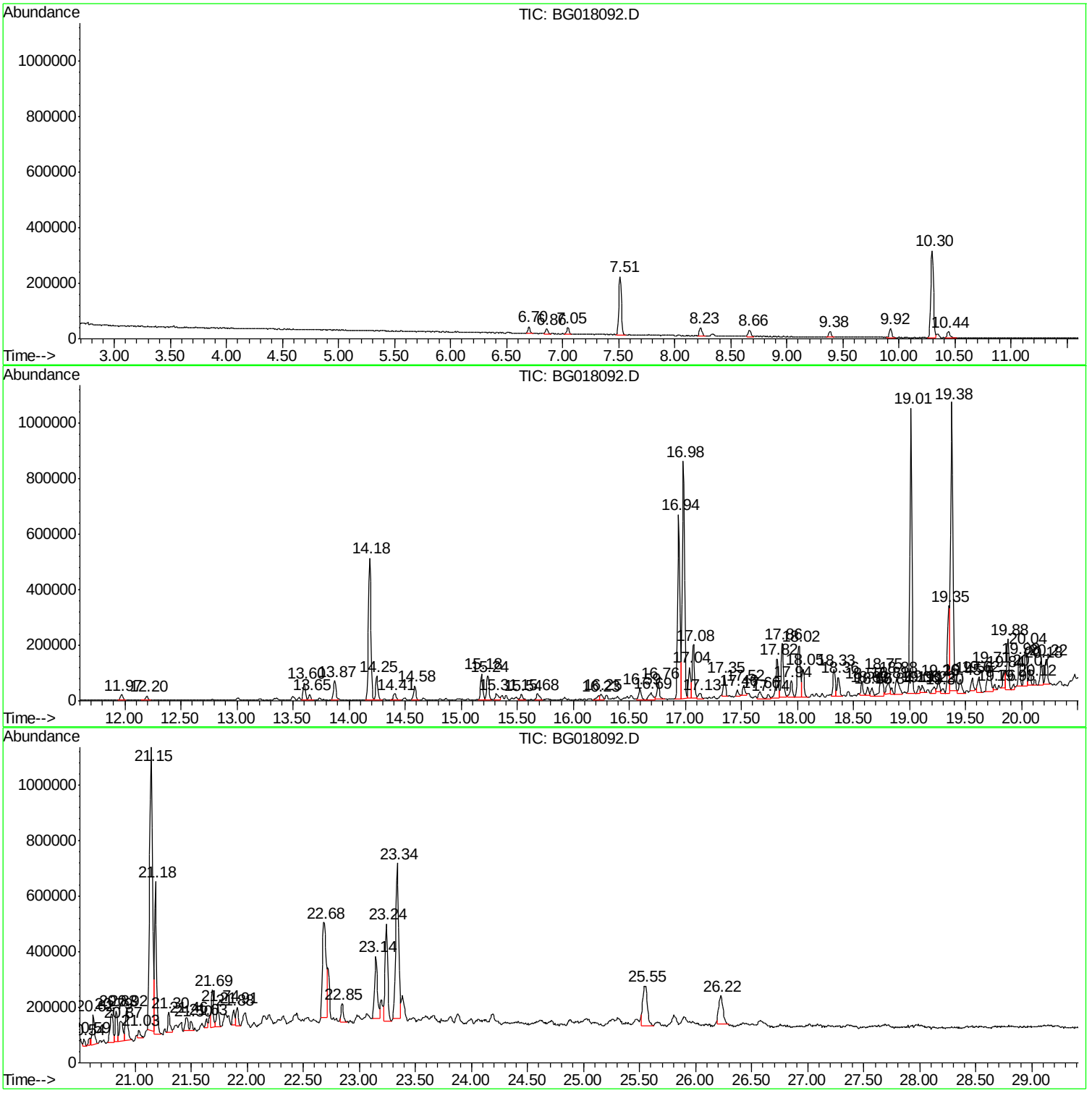
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072415\
Data File : BG018092.D
Acq On : 24 Jul 2015 16:50
Operator : TP/UM
Sample : G3035-13DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02J6DL

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\BG072415\
Data File : BG018092.D
Acq On : 24 Jul 2015 16:50
Operator : TP/UM
Sample : G3035-13DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02J6DL

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

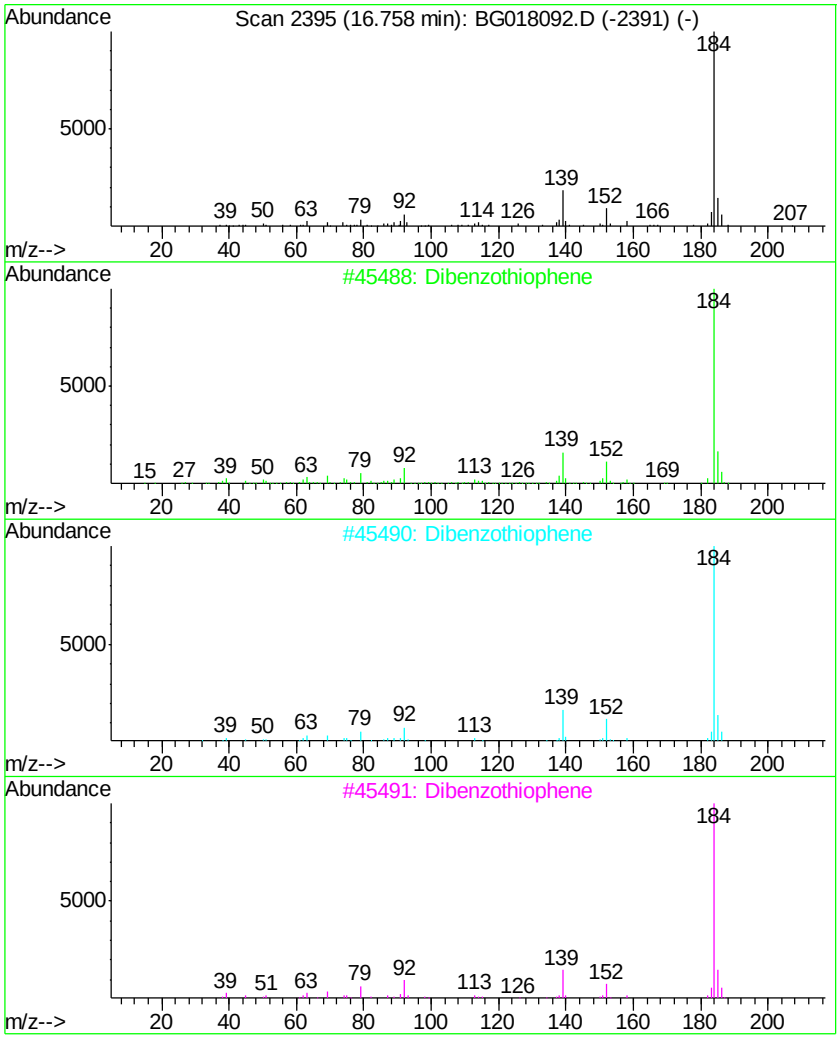
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

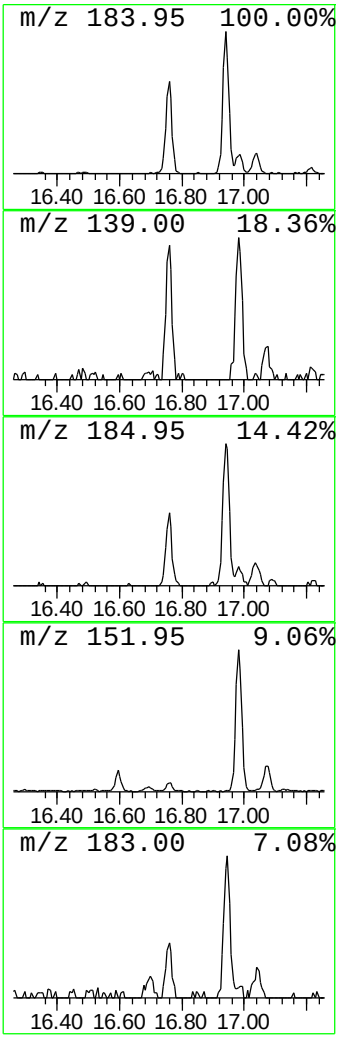
****

Peak Number 1 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	2.04 ng/ul	91735	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	93
2	Dibenzothiophene	184	C12H8S	000132-65-0	91
3	Dibenzothiophene	184	C12H8S	000132-65-0	91
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072415\
Data File : BG018092.D
Acq On : 24 Jul 2015 16:50
Operator : TP/UM
Sample : G3035-13DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02J6DL

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

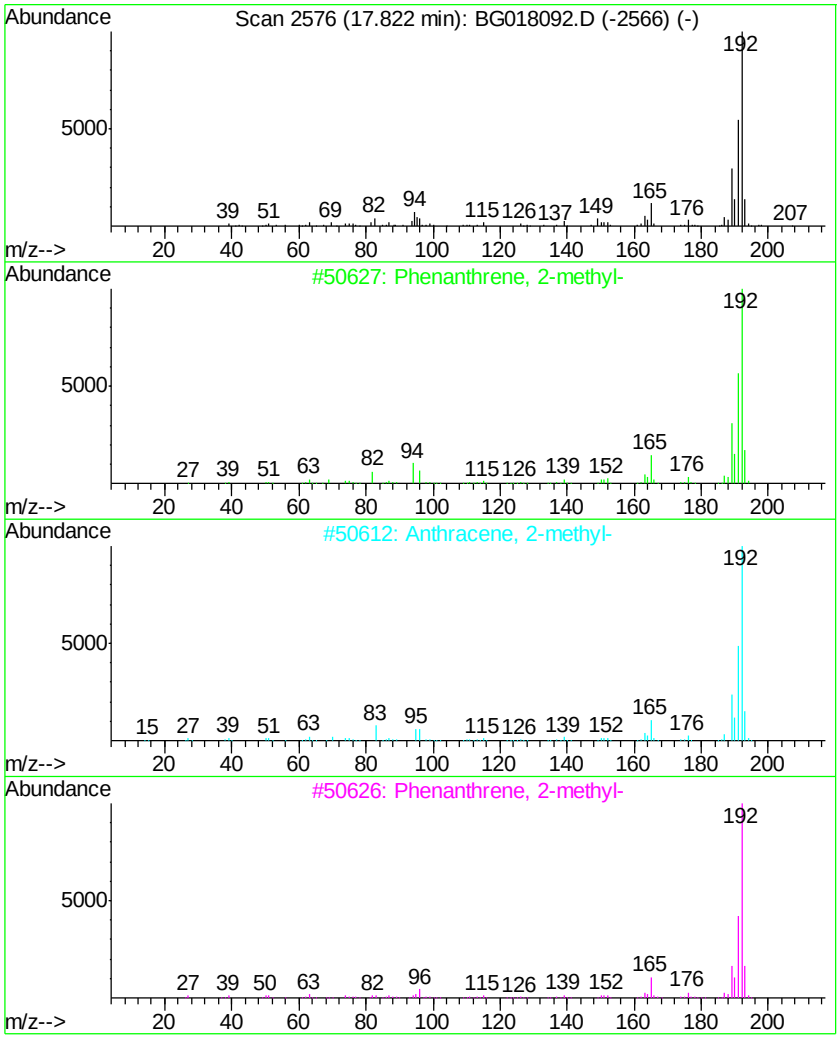
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

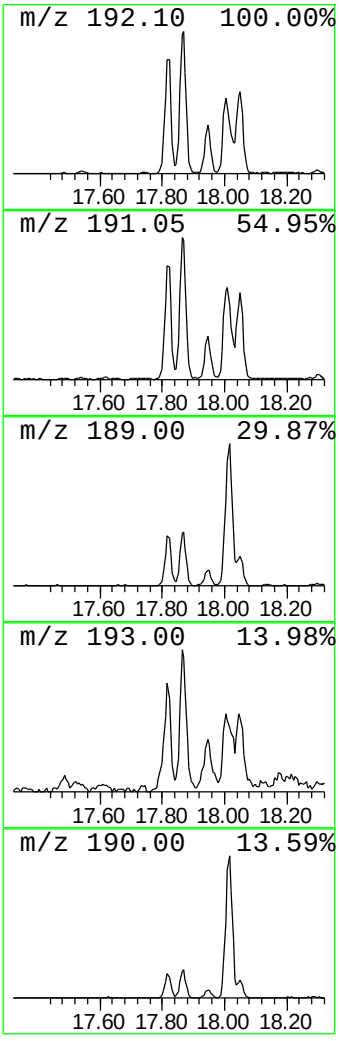
****

Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.82	4.91 ng/ul	221324	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072415\
Data File : BG018092.D
Acq On : 24 Jul 2015 16:50
Operator : TP/UM
Sample : G3035-13DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02J6DL

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

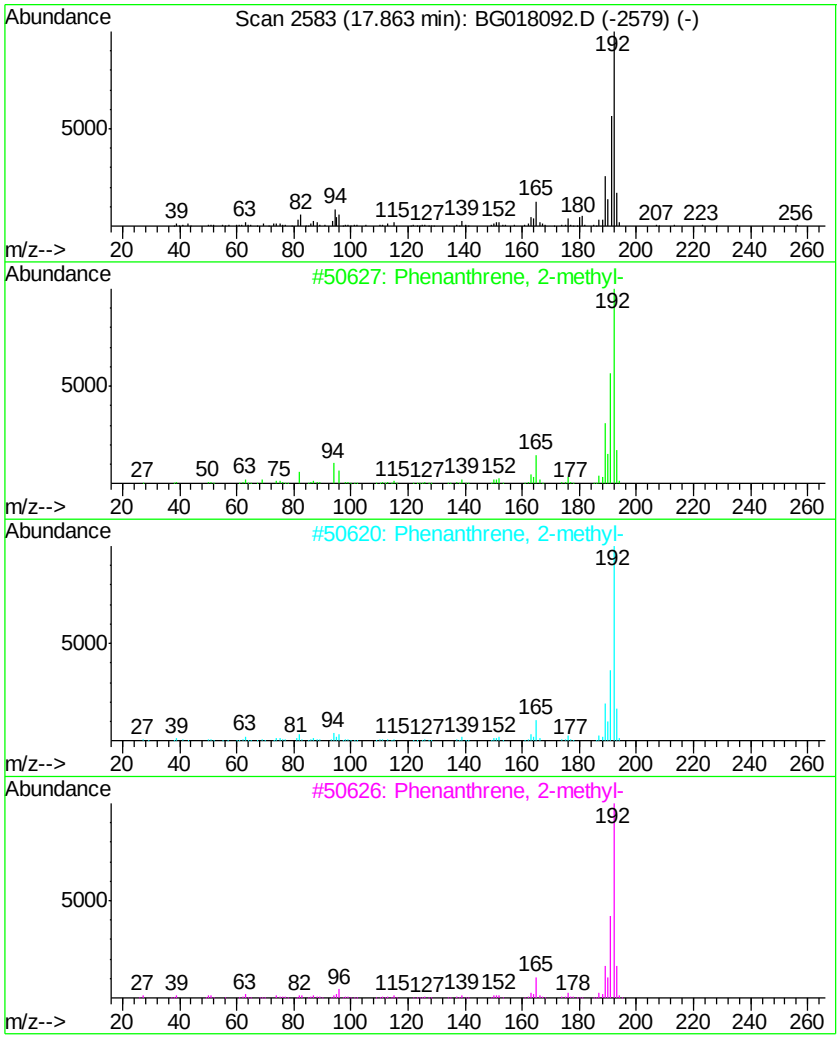
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

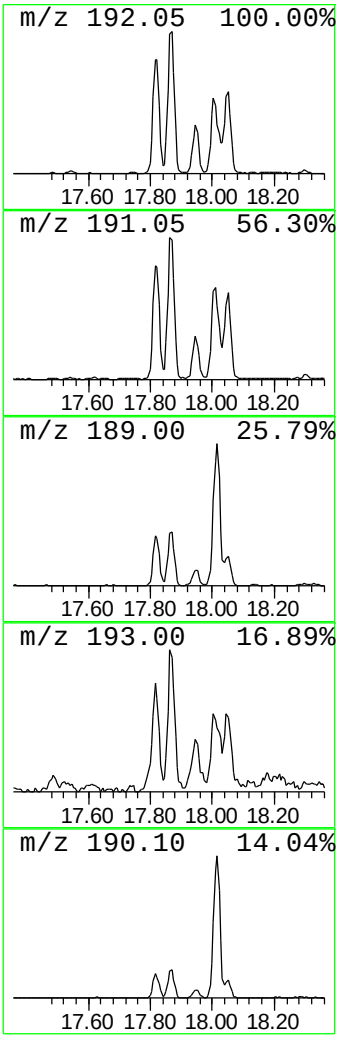
****

Peak Number 3 1H-Cyclopropa[l]phenanthren... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	6.42 ng/ul	289262	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, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072415\
Data File : BG018092.D
Acq On : 24 Jul 2015 16:50
Operator : TP/UM
Sample : G3035-13DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02J6DL

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

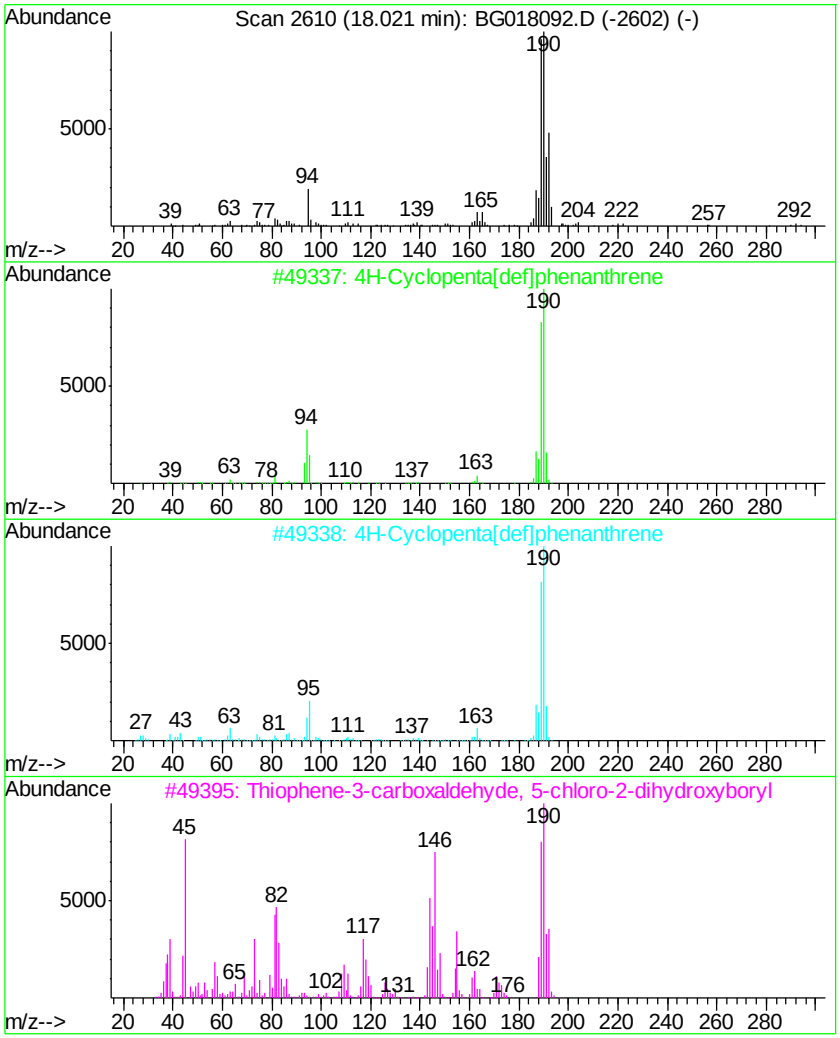
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

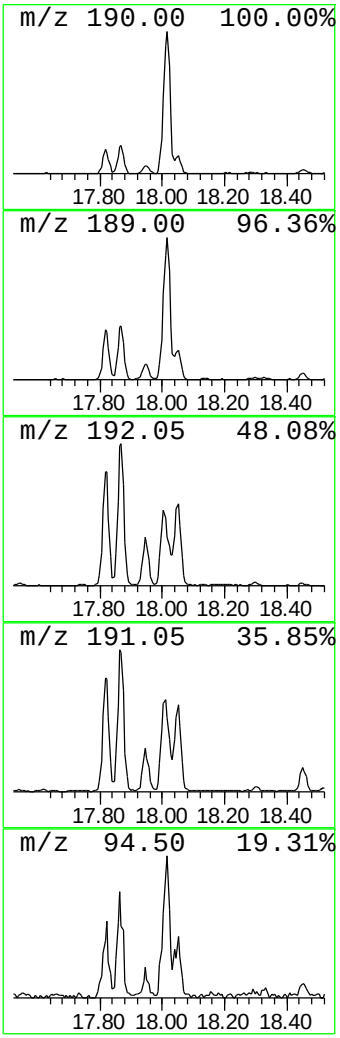
****

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	7.34 ng/ul	330802	Phenanthrene-d10	16.94

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	64
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
5	Methyl diselenide	190	C2H6Se2	007101-31-7	41





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072415\
Data File : BG018092.D
Acq On : 24 Jul 2015 16:50
Operator : TP/UM
Sample : G3035-13DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02J6DL

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

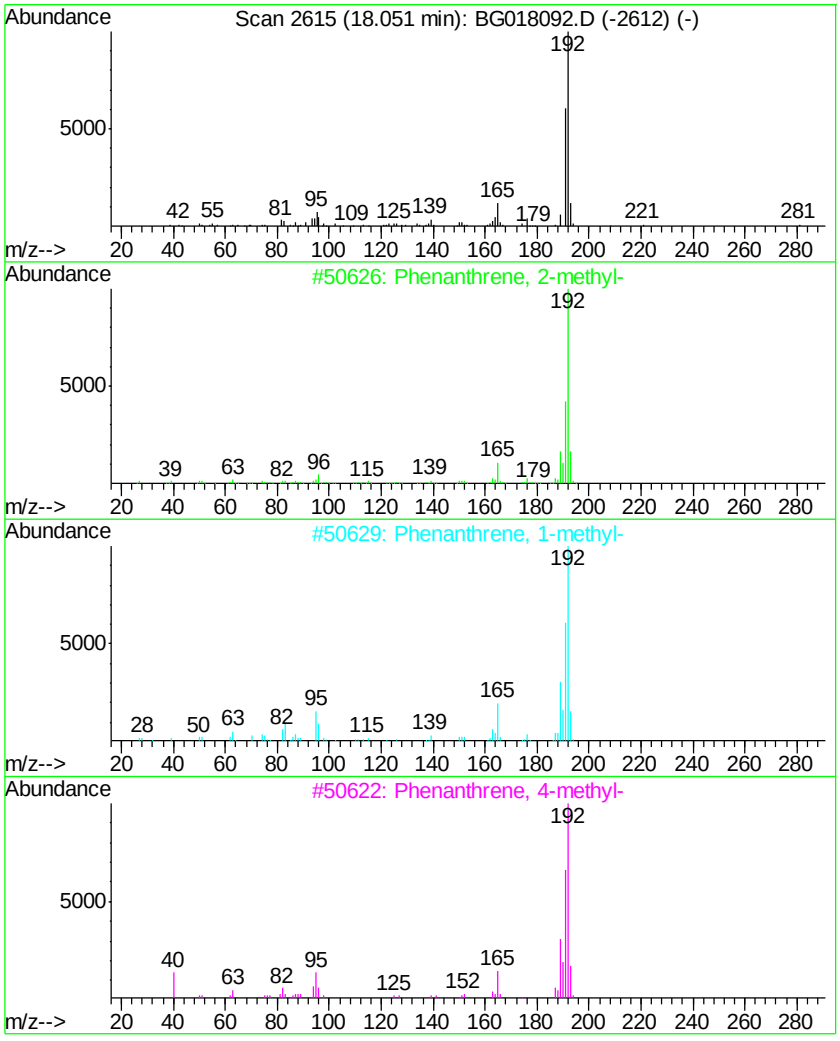
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

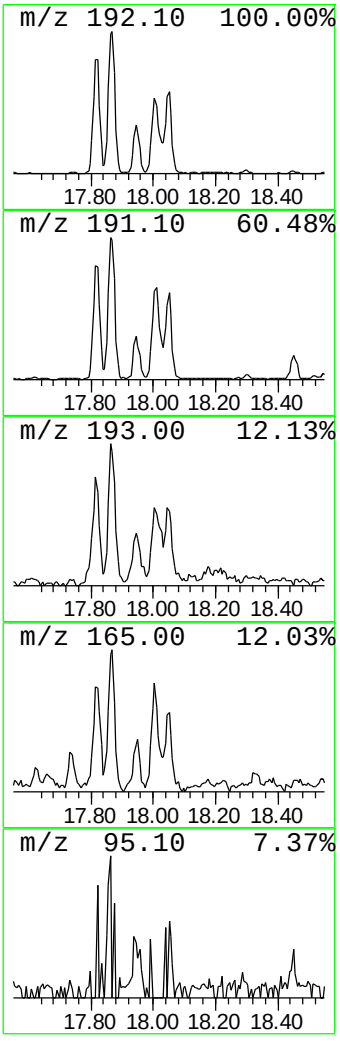
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	3.09 ng/ul	138991	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86





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Data File : BG018092.D
Acq On : 24 Jul 2015 16:50
Operator : TP/UM
Sample : G3035-13DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02J6DL

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

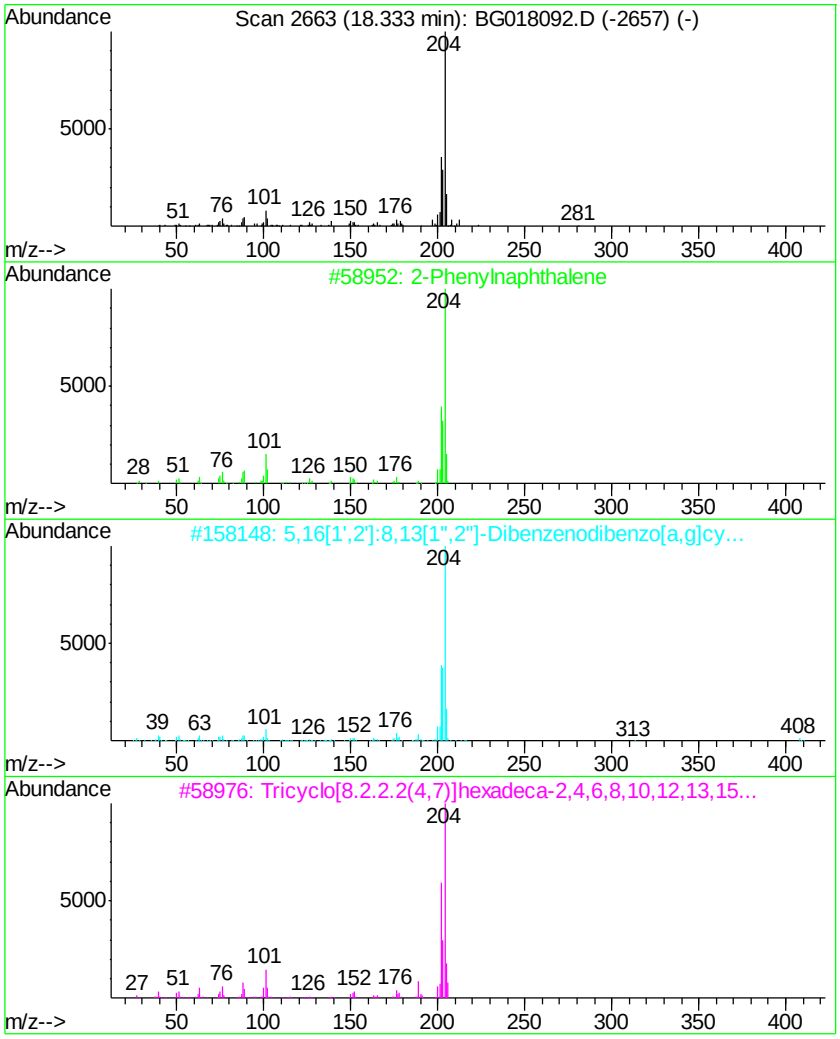
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

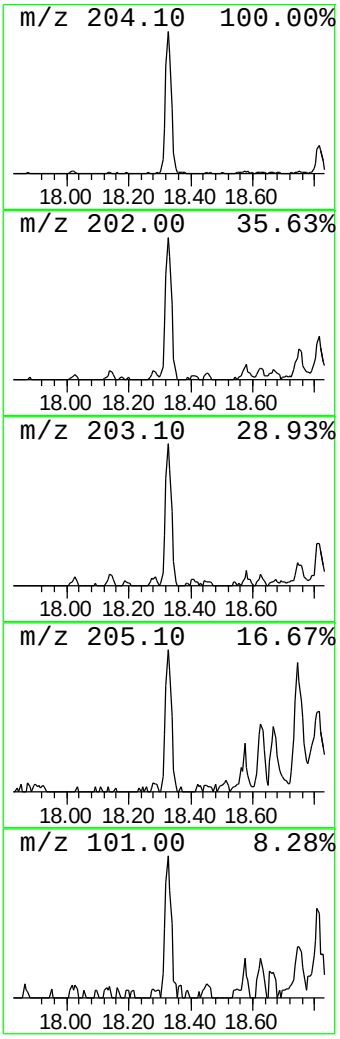
****

Peak Number 6 2-Phenylnaphthalene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	2.88 ng/ul	129768	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	90
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	74
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	68





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Sample : G3035-13DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02J6DL

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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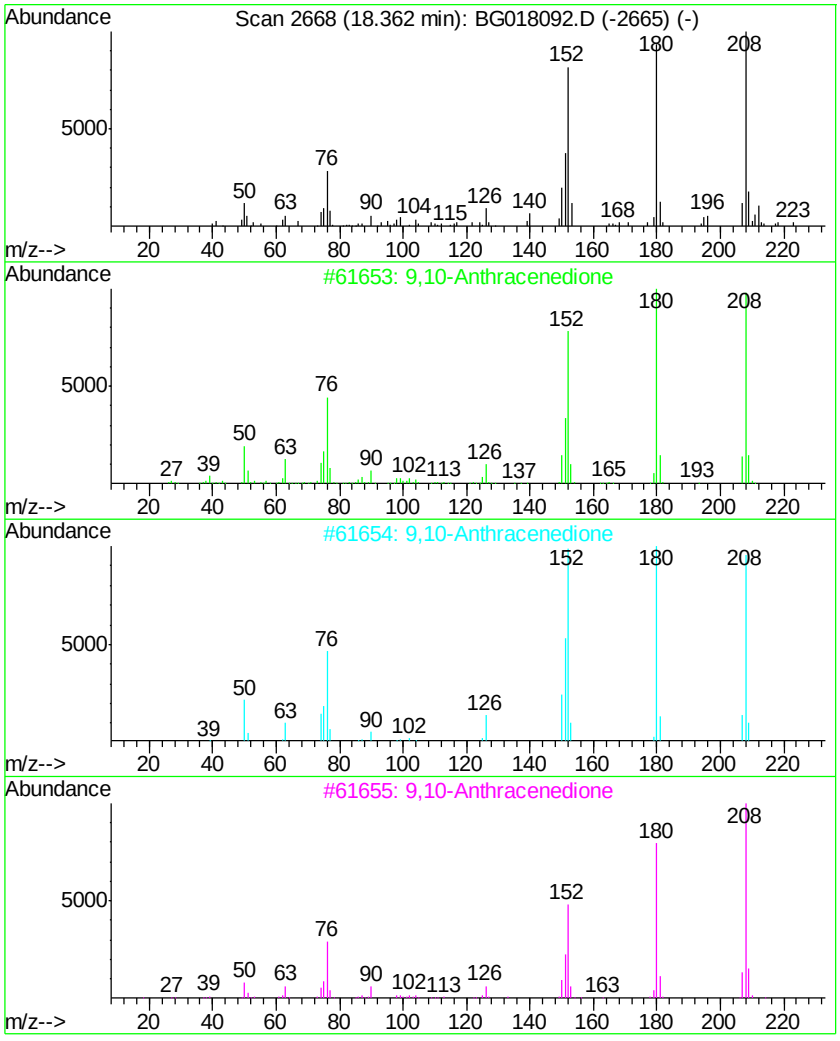
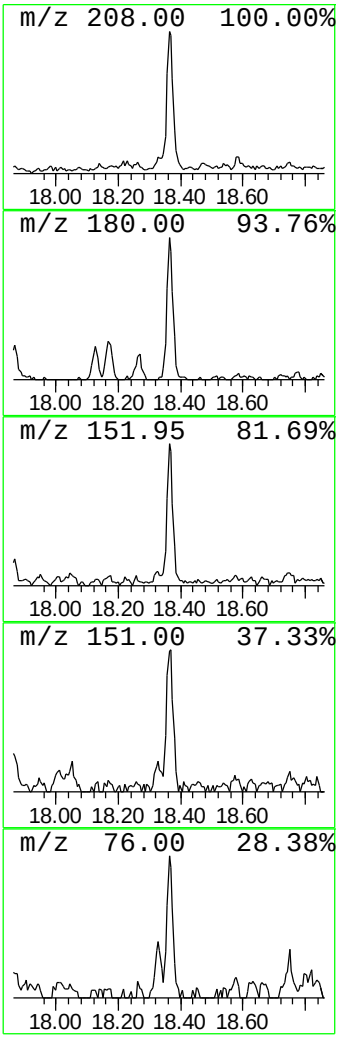
Peak Number 7 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	2.25 ng/ul	101488	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	81
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64





Library Search Compound Report

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Data File : BG018092.D
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Sample : G3035-13DL 5X
Misc :
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Instrument : BNA_G
ClientSampleId : C02J6DL

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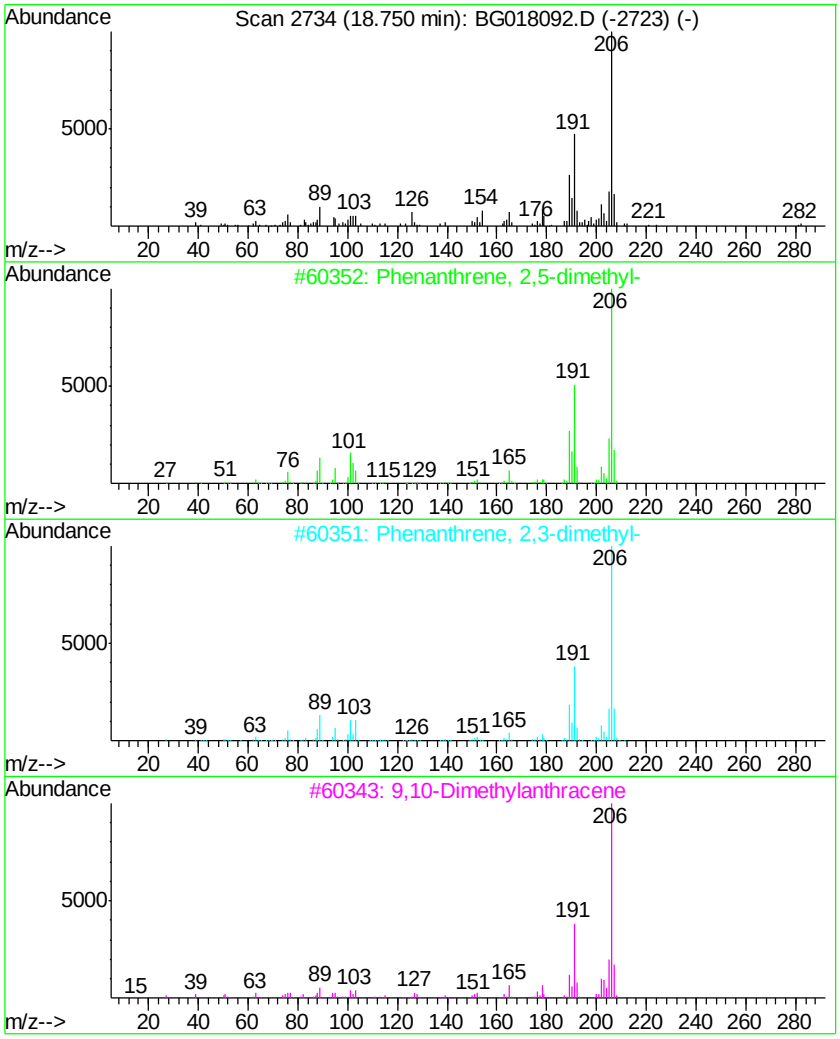
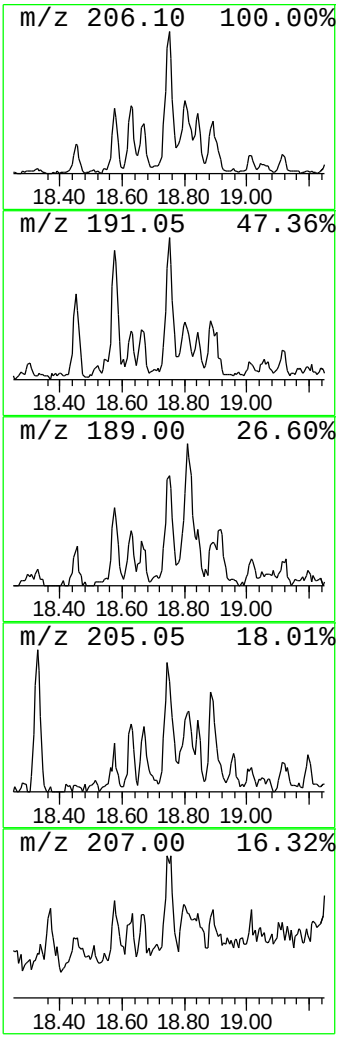
Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.75	3.34 ng/ul	150338	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, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	83





Library Search Compound Report

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Data File : BG018092.D
Acq On : 24 Jul 2015 16:50
Operator : TP/UM
Sample : G3035-13DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02J6DL

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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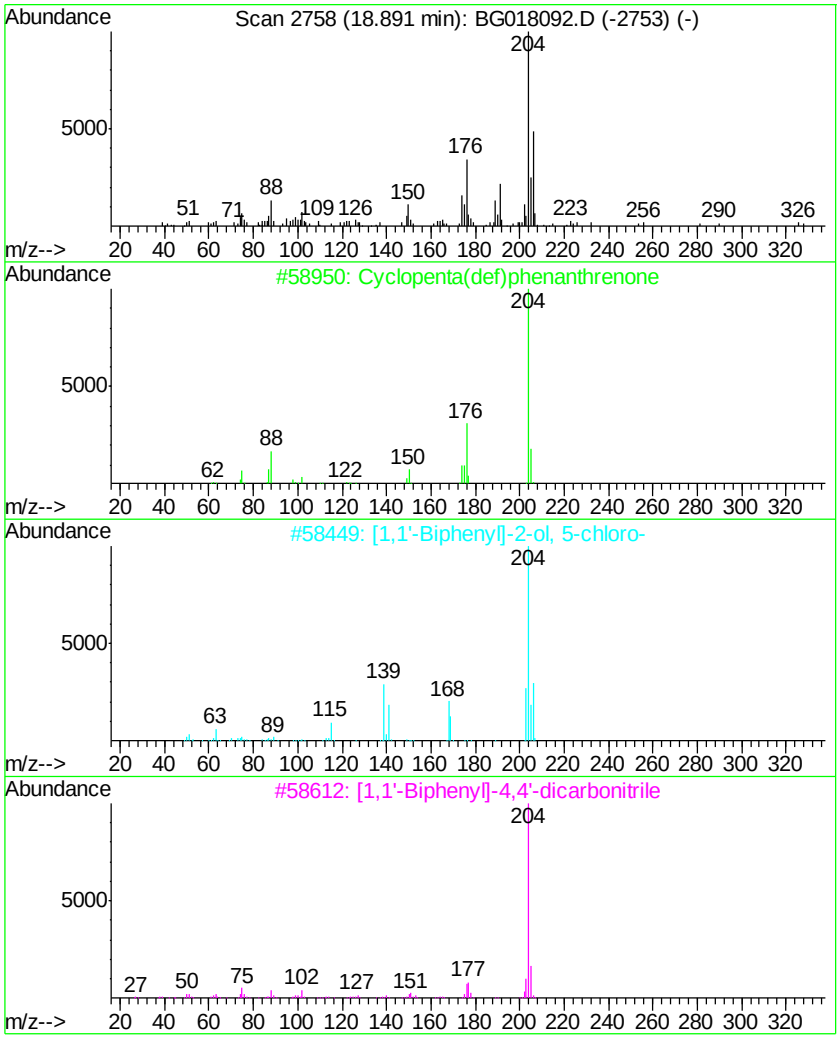
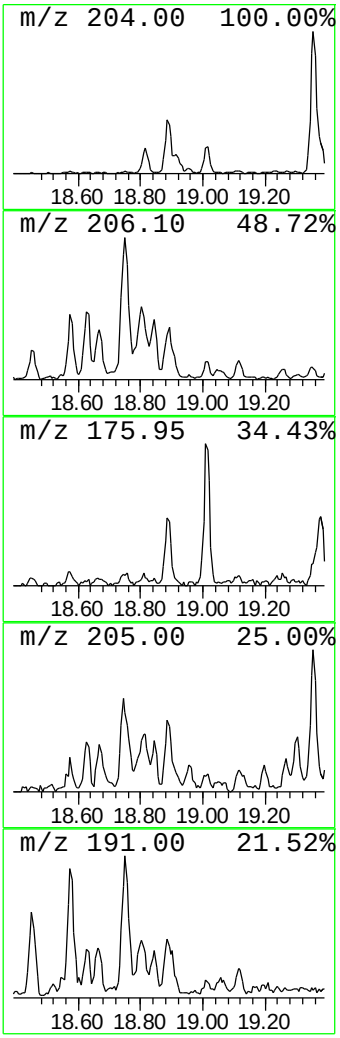
Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.89	2.72 ng/ul	122750	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	46
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	45
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43
5	[1,1'-Biphenyl]-4-ol, 3-chloro-	204	C12H9ClO	000092-04-6	43





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Acq On : 24 Jul 2015 16:50
Operator : TP/UM
Sample : G3035-13DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02J6DL

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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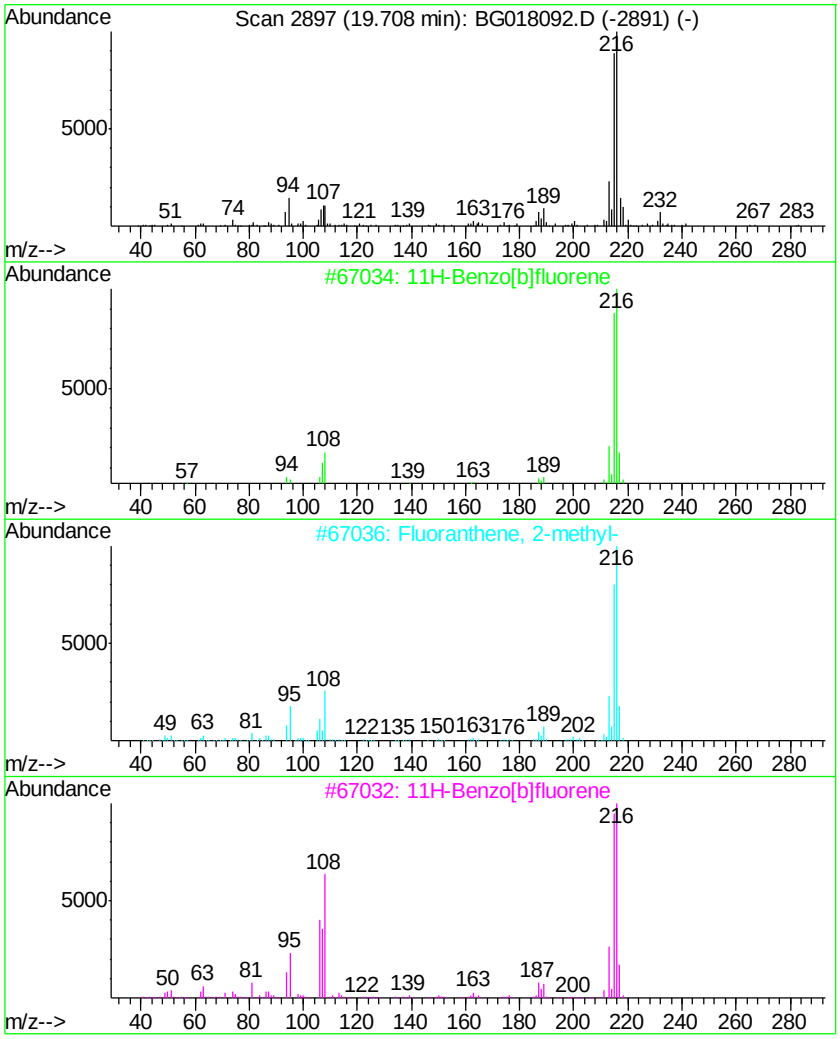
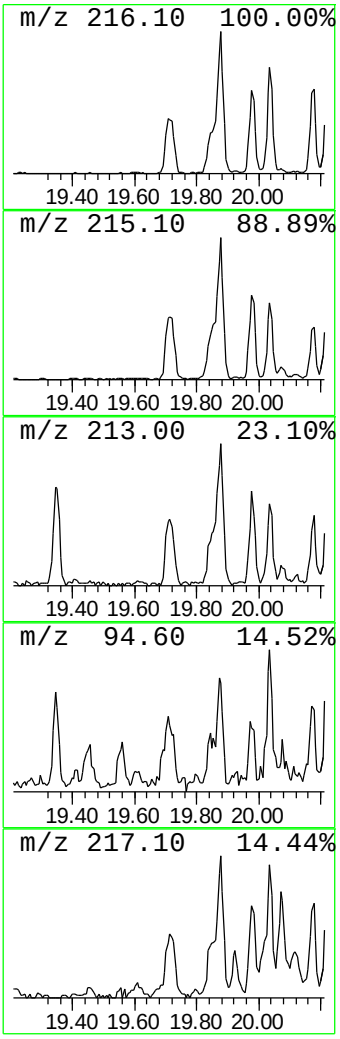
Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.71	2.03 ng/ul	190566	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





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Data File : BG018092.D
Acq On : 24 Jul 2015 16:50
Operator : TP/UM
Sample : G3035-13DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02J6DL

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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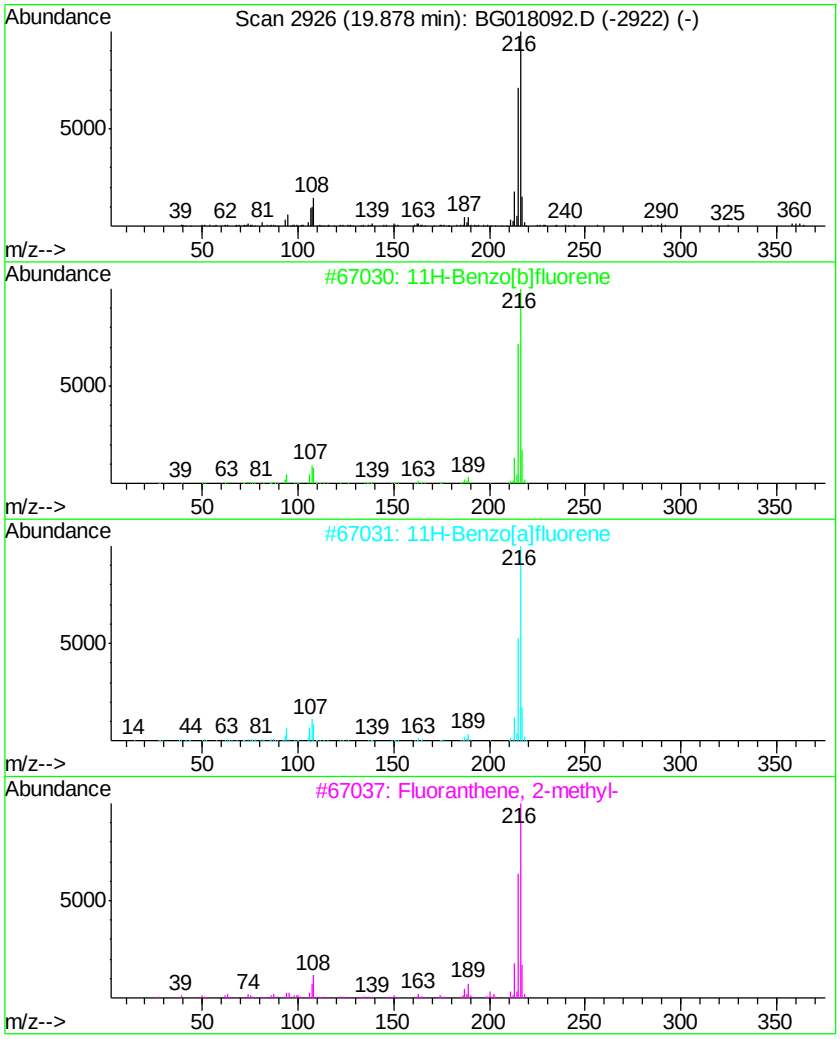
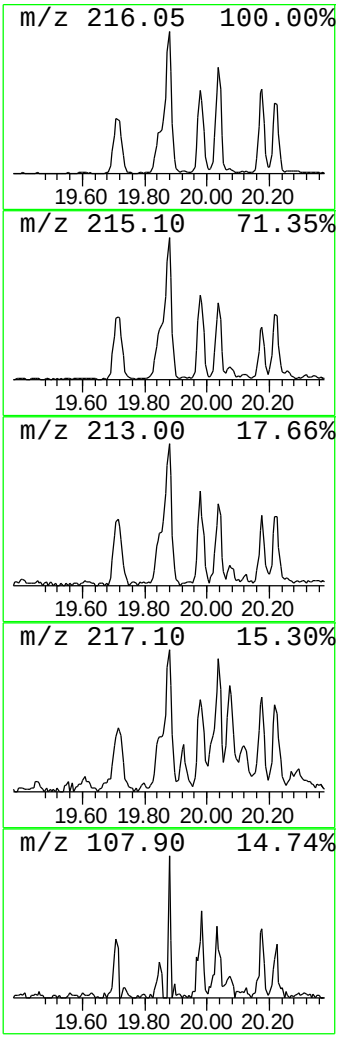
Peak Number 11 11H-Benzo[a]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.88	2.61 ng/ul	245151	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93





Library Search Compound Report

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Data File : BG018092.D
Acq On : 24 Jul 2015 16:50
Operator : TP/UM
Sample : G3035-13DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02J6DL

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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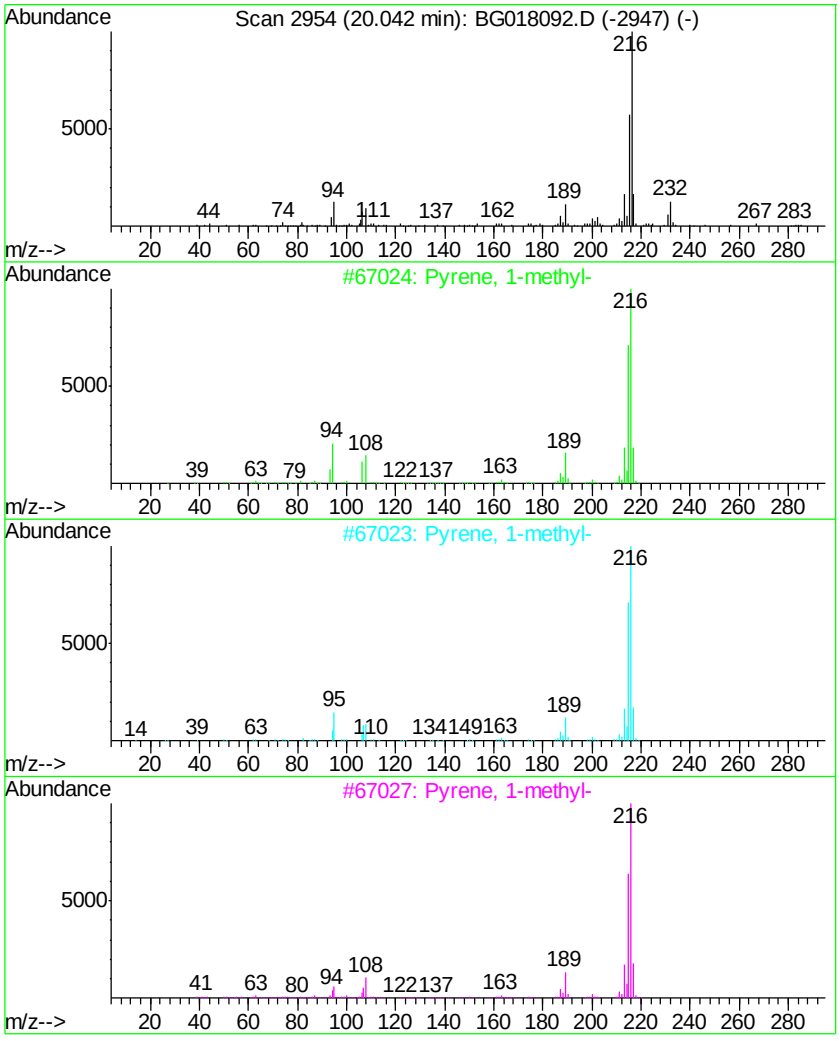
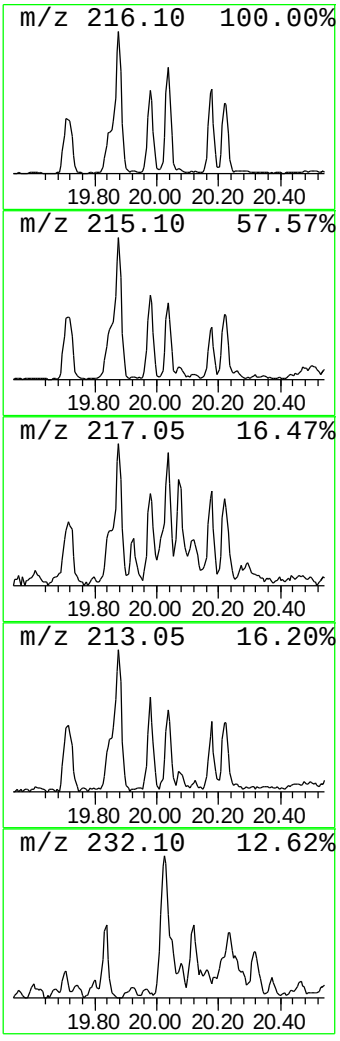
Peak Number 12 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.04	2.15 ng/ul	201712	Chrysene-d12	21.15

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	97
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91





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Acq On : 24 Jul 2015 16:50
Operator : TP/UM
Sample : G3035-13DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02J6DL

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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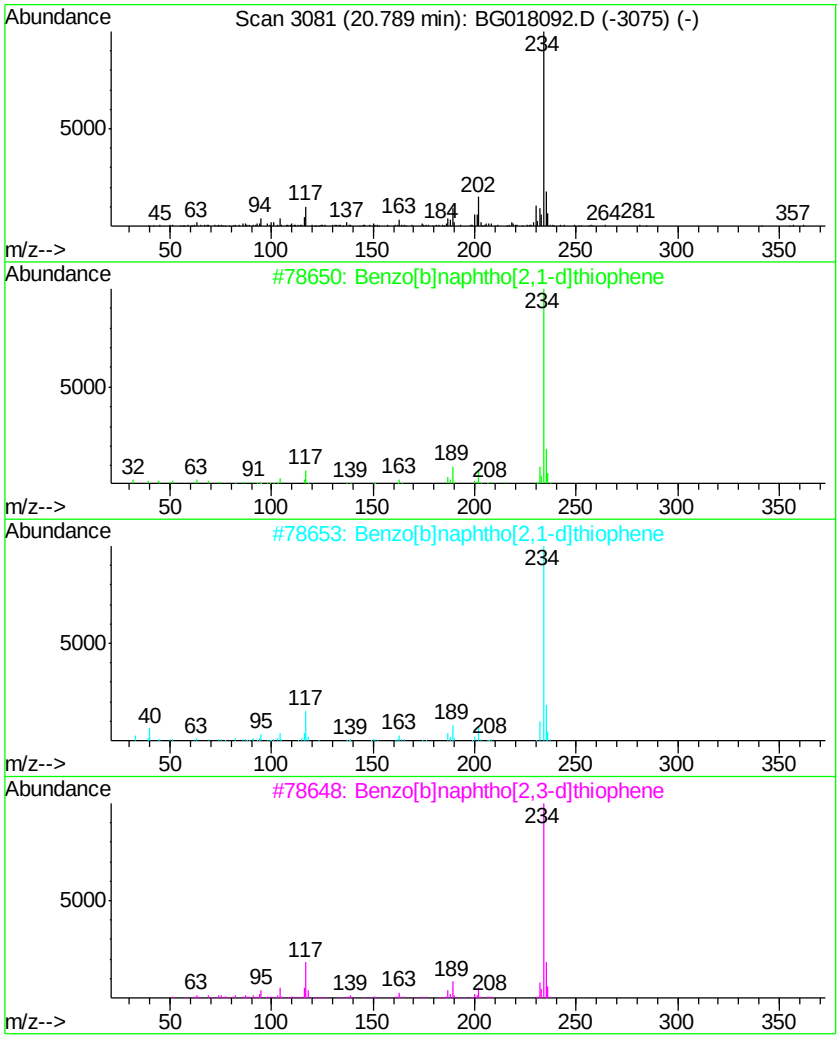
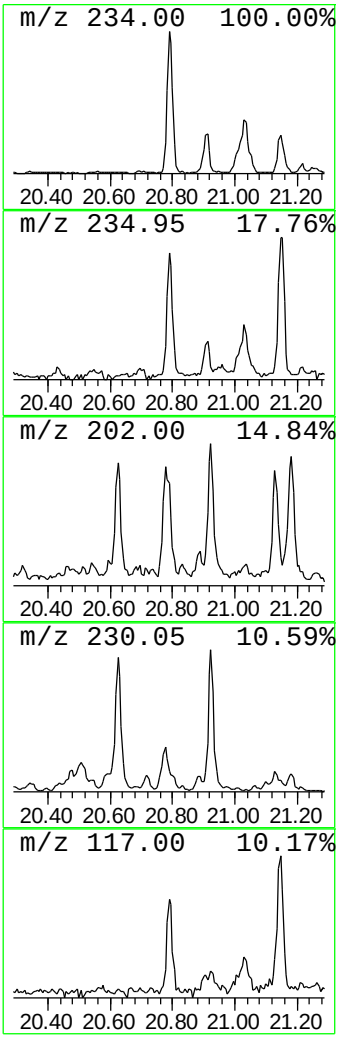
Peak Number 13 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.79	2.07 ng/ul	194193	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	87
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	87
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	81





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Acq On : 24 Jul 2015 16:50
Operator : TP/UM
Sample : G3035-13DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02J6DL

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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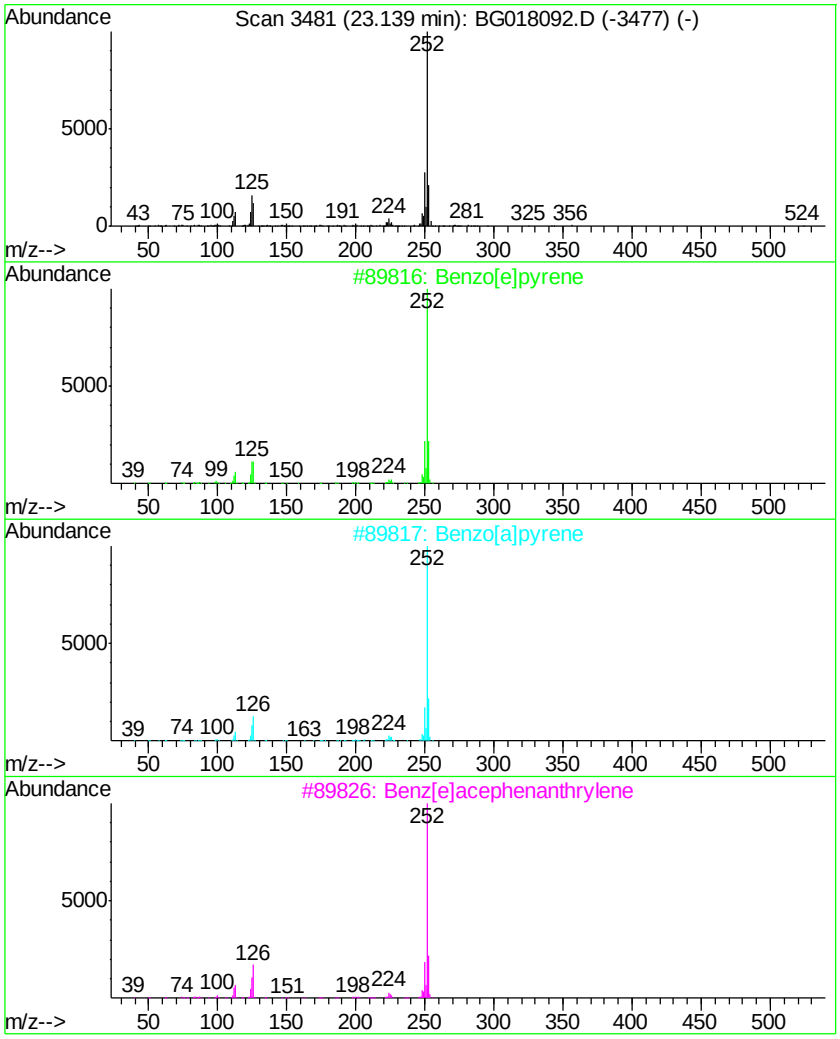
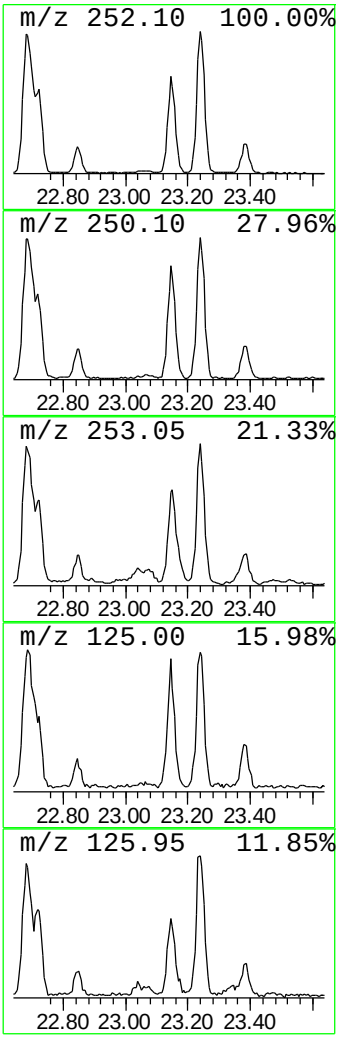
Peak Number 14 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.14	7.68 ng/ul	405663	Perylene-d12	23.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	94
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072415\
Data File : BG018092.D
Acq On : 24 Jul 2015 16:50
Operator : TP/UM
Sample : G3035-13DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02J6DL

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
Dibenzothiophene	16.76	2.0	ng/ul	91735	4	16.94	901011	20.0
Phenanthrene, 2-m...	17.82	4.9	ng/ul	221324	4	16.94	901011	20.0
1H-Cyclopropa[l]p...	17.86	6.4	ng/ul	289262	4	16.94	901011	20.0
4H-Cyclopenta[def...	18.02	7.3	ng/ul	330802	4	16.94	901011	20.0
Phenanthrene, 1-m...	18.05	3.1	ng/ul	138991	4	16.94	901011	20.0
2-Phenylnaphthalene	18.33	2.9	ng/ul	129768	4	16.94	901011	20.0
9,10-Anthracenedione	18.36	2.3	ng/ul	101488	4	16.94	901011	20.0
Phenanthrene, 2,5...	18.75	3.3	ng/ul	150338	4	16.94	901011	20.0
Cyclopenta(def)ph...	18.89	2.7	ng/ul	122750	4	16.94	901011	20.0
11H-Benzo[b]fluorene	19.71	2.0	ng/ul	190566	5	21.15	1879470	20.0
11H-Benzo[a]fluorene	19.88	2.6	ng/ul	245151	5	21.15	1879470	20.0
Pyrene, 1-methyl-	20.04	2.1	ng/ul	201712	5	21.15	1879470	20.0
Benzo[b]naphtho[2...	20.79	2.1	ng/ul	194193	5	21.15	1879470	20.0
Benzo[e]pyrene	23.14	7.7	ng/ul	405663	6	23.34	1056150	20.0