LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017777.D
Acq On : 6 Jul 2015 20:08
Operator : TP/UM
Sample : G2860-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93H9

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-BG070615.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	2.882	29	33	51	rVB	3147843	4402892	30.48%	2.865%
2	6.777	688	696	715	rVB	318116	576348	3.99%	0.375%
3	6.948	718	725	732	rBV	253147	380580	2.63%	0.248%
4	7.136	751	757	766	rBV	323056	491247	3.40%	0.320%
5	7.606	830	837	845	rBV	738100	1178876	8.16%	0.767%
6	8.311	947	957	963	rBV	306183	509413	3.53%	0.331%
7	8.422	970	976	984	rBV	262553	421713	2.92%	0.274%
8	8.751	1024	1032	1040	rBV	292603	489772	3.39%	0.319%
9	9.468	1147	1154	1161	rVB	257776	426899	2.96%	0.278%
10	10.003	1239	1245	1254	rVB	393665	636025	4.40%	0.414%
11	10.385	1301	1310	1315	rBV	1111683	1944583	13.46%	1.265%
12	10.432	1315	1318	1325	rVV	259199	391568	2.71%	0.255%
13	10.526	1327	1334	1345	rBV	192591	361048	2.50%	0.235%
14	13.669	1865	1869	1874	rVV	656291	911467	6.31%	0.593%
15	13.716	1874	1877	1882	rVB	205736	282537	1.96%	0.184%
16	13.945	1908	1916	1920	rBV	698331	1117598	7.74%	0.727%
17	14.257	1959	1969	1975	rVV2	1735729	2765206	19.14%	1.799%
18	14.321	1975	1980	1988	rVB	390771	582196	4.03%	0.379%
19	14.456	1997	2003	2015	rBV2	283227	476224	3.30%	0.310%
20	14.656	2032	2037	2045	rVB	310639	475822	3.29%	0.310%
21	15.256	2131	2139	2143	rBV	843980	1235534	8.55%	0.804%
22	15.308	2143	2148	2153	rVB	451884	618746	4.28%	0.403%
23	15.755	2218	2224	2232	rVB	142459	293890	2.03%	0.191%
24	15.990	2259	2264	2276	rVB4	119569	263140	1.82%	0.171%
25	16.313	2309	2319	2324	rBV5	108180	289697	2.01%	0.189%
26	16.660	2374	2378	2386	rVB	328433	499334	3.46%	0.325%
27	16.824	2402	2406	2417	rVB	254493	420498	2.91%	0.274%
28	17.012	2432	2438	2441	rBV2	2102594	3187496	22.07%	2.074%
29	17.059	2441	2446	2450	rVV	5263810	7910817	54.76%	5.147%
30	17.106	2450	2454	2457	rVV2	1039883	1504406	10.41%	0.979%
31	17.142	2457	2460	2466	rVV	1114361	1449280	10.03%	0.943%
32	17.412	2502	2506	2510	rVV	390494	516727	3.58%	0.336%
33	17.535	2522	2527	2532	rBV2	220485	310306	2.15%	0.202%
34	17.588	2532	2536	2546	rVB3	187890	312608	2.16%	0.203%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017777.D
Acq On : 6 Jul 2015 20:08
Operator : TP/UM
Sample : G2860-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93H9

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-BG070615.M
Title : SVOA CALIBRATION

35	17.888	2578	2587	2591	rBV	800755	1222169	8.46%	0.795%
36	17.935	2591	2595	2602	rVB	1122000	1518061	10.51%	0.988%
37	18.011	2603	2608	2613	rBV	298694	449399	3.11%	0.292%
38	18.082	2613	2620	2624	rBV2	1141417	2183186	15.11%	1.421%
39	18.117	2624	2626	2634	rVB	619604	757811	5.25%	0.493%
40	18.393	2668	2673	2676	rVV	701695	932324	6.45%	0.607%
41	18.434	2676	2680	2686	rVV	672240	932987	6.46%	0.607%
42	18.640	2712	2715	2719	rVB	198556	250367	1.73%	0.163%
43	18.728	2727	2730	2735	rVB3	201605	263867	1.83%	0.172%
44	18.816	2739	2745	2750	rBV2	565404	966792	6.69%	0.629%
45	18.869	2750	2754	2758	rVV4	258435	476334	3.30%	0.310%
46	18.957	2764	2769	2777	rBV	549879	1000907	6.93%	0.651%
47	19.086	2784	2791	2796	rVB	7665412	11381058	78.79%	7.405%
48	19.227	2811	2815	2819	rVB	210738	299631	2.07%	0.195%
49	19.280	2819	2824	2827	rBV3	214870	353878	2.45%	0.230%
50	19.321	2828	2831	2835	rVB	219696	280281	1.94%	0.182%
51	19.451	2842	2853	2860	rBV2	7377824	14445554	100.00%	9.399%
52	19.515	2860	2864	2871	rVB2	359656	644703	4.46%	0.419%
53	19.621	2878	2882	2888	rVB	359614	514386	3.56%	0.335%
54	19.686	2888	2893	2898	rVB2	351015	563226	3.90%	0.366%
55	19.774	2901	2908	2914	rBV4	600311	1494902	10.35%	0.973%
56	19.909	2925	2931	2932	rBV3	497523	728173	5.04%	0.474%
57	19.938	2933	2936	2941	rVB	913694	1291956	8.94%	0.841%
58	20.044	2950	2954	2957	rBV	450881	535816	3.71%	0.349%
59	20.097	2957	2963	2968	rVV2	902750	1414441	9.79%	0.920%
60	20.138	2968	2970	2974	rVB2	206096	249838	1.73%	0.163%
61	20.238	2983	2987	2991	rBV	588319	763842	5.29%	0.497%
62	20.285	2991	2995	2999	rVB	583415	760529	5.26%	0.495%
63	20.690	3059	3064	3071	rVB	927099	1253277	8.68%	0.815%
64	20.855	3085	3092	3096	rBV2	717123	1398468	9.68%	0.910%
65	20.896	3096	3099	3102	rVV	845321	999916	6.92%	0.651%
66	20.931	3102	3105	3110	rVV2	814015	1367813	9.47%	0.890%
67	20.990	3110	3115	3126	rVB2	915779	1499123	10.38%	0.975%
68	21.096	3126	3133	3142	rBV3	210211	626072	4.33%	0.407%
69	21.207	3142	3152	3156	rBV3	5475280	11521062	79.76%	7.497%
70	21.254	3156	3160	3169	rVB	4633516	6276246	43.45%	4.084%
71	21.366	3175	3179	3184	rBV	582999	766513	5.31%	0.499%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017777.D
Acq On : 6 Jul 2015 20:08
Operator : TP/UM
Sample : G2860-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93H9

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-BG070615.M
Title : SVOA CALIBRATION

72	21.413	3184	3187	3192	rBV3	272232	452587	3.13%	0.294%
73	21.519	3200	3205	3210	rBV2	416549	721502	4.99%	0.469%
74	21.566	3210	3213	3217	rVV3	208168	247492	1.71%	0.161%
75	21.701	3233	3236	3239	rBV	211180	276064	1.91%	0.180%
76	21.754	3239	3245	3250	rVV	818907	1276266	8.84%	0.830%
77	21.807	3250	3254	3259	rVB	566595	805384	5.58%	0.524%
78	21.877	3261	3266	3269	rBV2	246727	430883	2.98%	0.280%
79	21.948	3274	3278	3281	rVV	475523	713306	4.94%	0.464%
80	21.983	3281	3284	3290	rVV3	433336	628857	4.35%	0.409%
81	22.053	3291	3296	3305	rVB3	327043	621564	4.30%	0.404%
82	22.271	3330	3333	3341	rVB7	220088	427101	2.96%	0.278%
83	22.512	3368	3374	3386	rVB4	284130	776616	5.38%	0.505%
84	22.782	3411	3420	3424	rBV2	3599891	8713001	60.32%	5.669%
85	22.935	3441	3446	3456	rVB	633830	1073964	7.43%	0.699%
86	23.070	3464	3469	3477	rBV4	210563	610506	4.23%	0.397%
87	23.252	3493	3500	3505	rBV	2055083	4026504	27.87%	2.620%
88	23.299	3505	3508	3511	rVV2	562035	960516	6.65%	0.625%
89	23.346	3511	3516	3523	rVB	3156291	5808285	40.21%	3.779%
90	23.446	3524	3533	3537	rBV2	1929060	4018645	27.82%	2.615%
91	23.493	3537	3541	3548	rVB2	935208	1721805	11.92%	1.120%
92	23.981	3620	3624	3632	rVB5	140041	332702	2.30%	0.216%
93	24.304	3674	3679	3685	rVB	177797	351545	2.43%	0.229%
94	25.015	3794	3800	3805	rBV5	111430	258747	1.79%	0.168%
95	25.449	3869	3874	3883	rVB3	255440	656613	4.55%	0.427%
96	25.708	3907	3918	3927	rVB	1512841	4417439	30.58%	2.874%
97	25.802	3931	3934	3945	rVB2	116497	286203	1.98%	0.186%
98	25.955	3953	3960	3969	rBV3	242591	674355	4.67%	0.439%
99	26.049	3970	3976	3983	rVV2	185381	463905	3.21%	0.302%
100	26.390	4024	4034	4053	rVB2	573805	1912992	13.24%	1.245%

Sum of corrected areas: 153684750

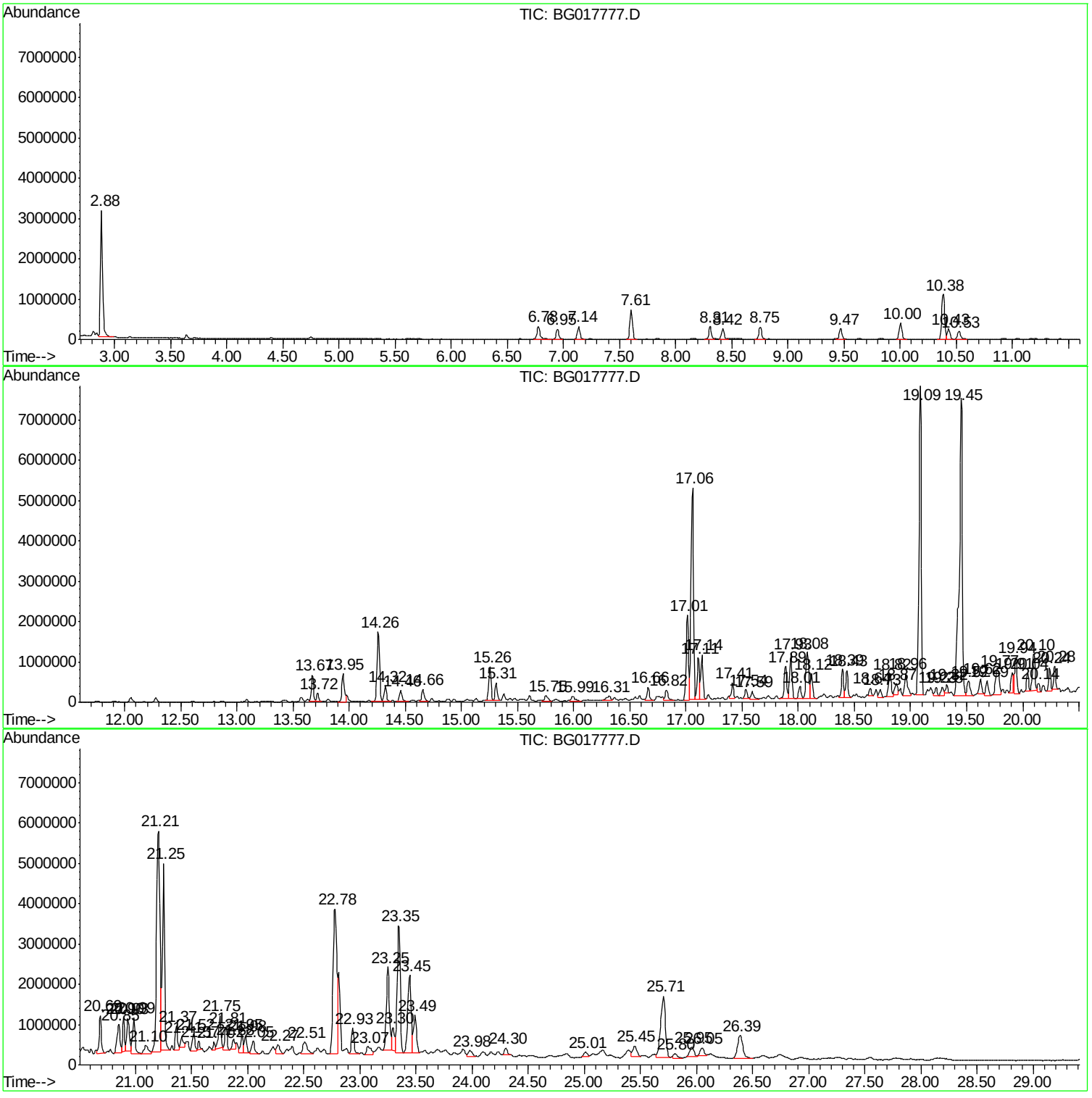
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017777.D
Acq On : 6 Jul 2015 20:08
Operator : TP/UM
Sample : G2860-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93H9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017777.D
Acq On : 6 Jul 2015 20:08
Operator : TP/UM
Sample : G2860-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93H9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

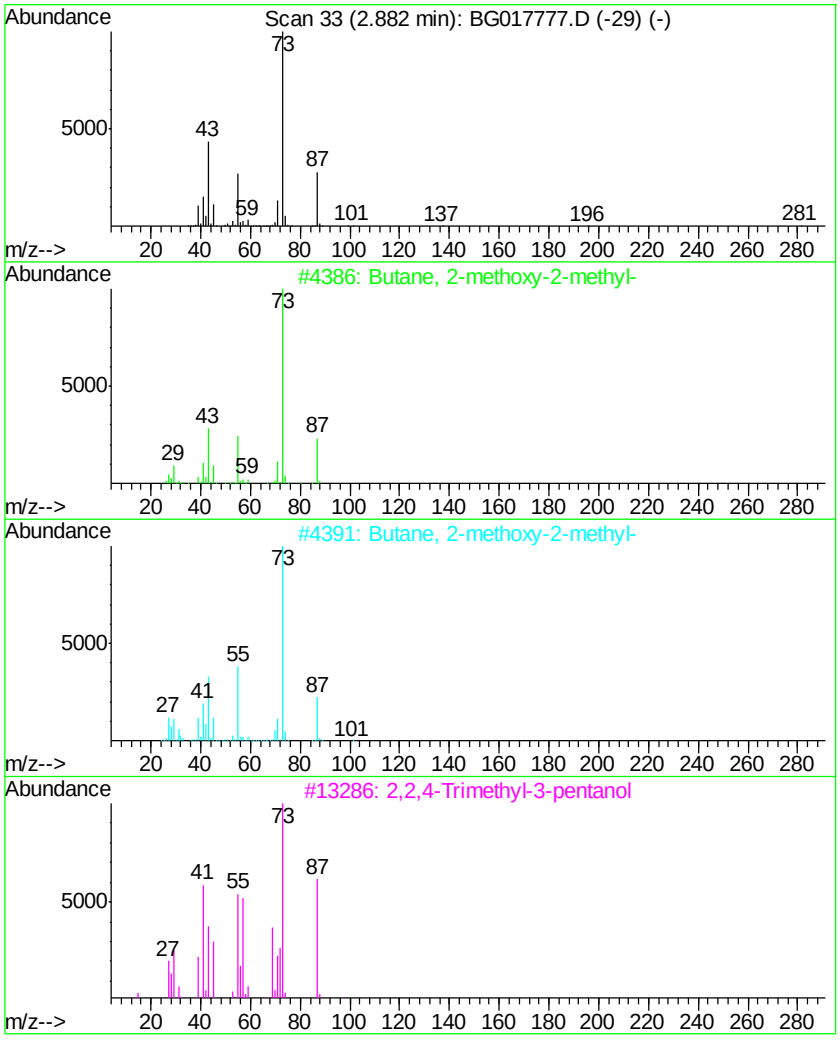
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

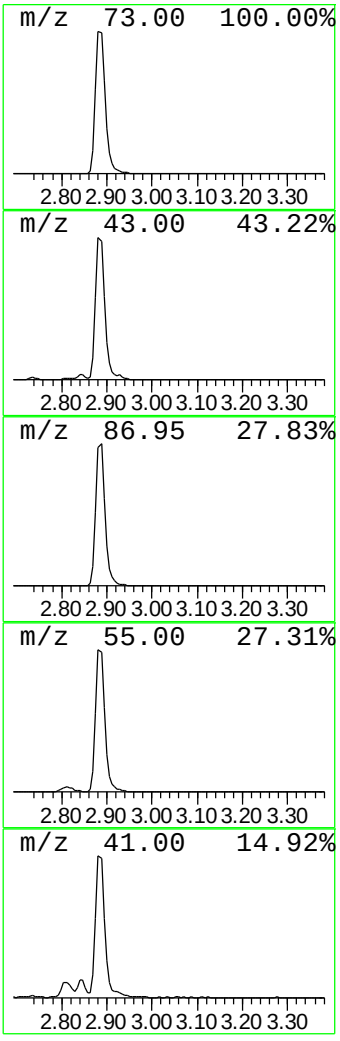
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.88	74.70 ng/ul	4402890	1,4-Dichlorobenzene-d4	7.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	72
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	27
5	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	25





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017777.D
Acq On : 6 Jul 2015 20:08
Operator : TP/UM
Sample : G2860-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93H9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

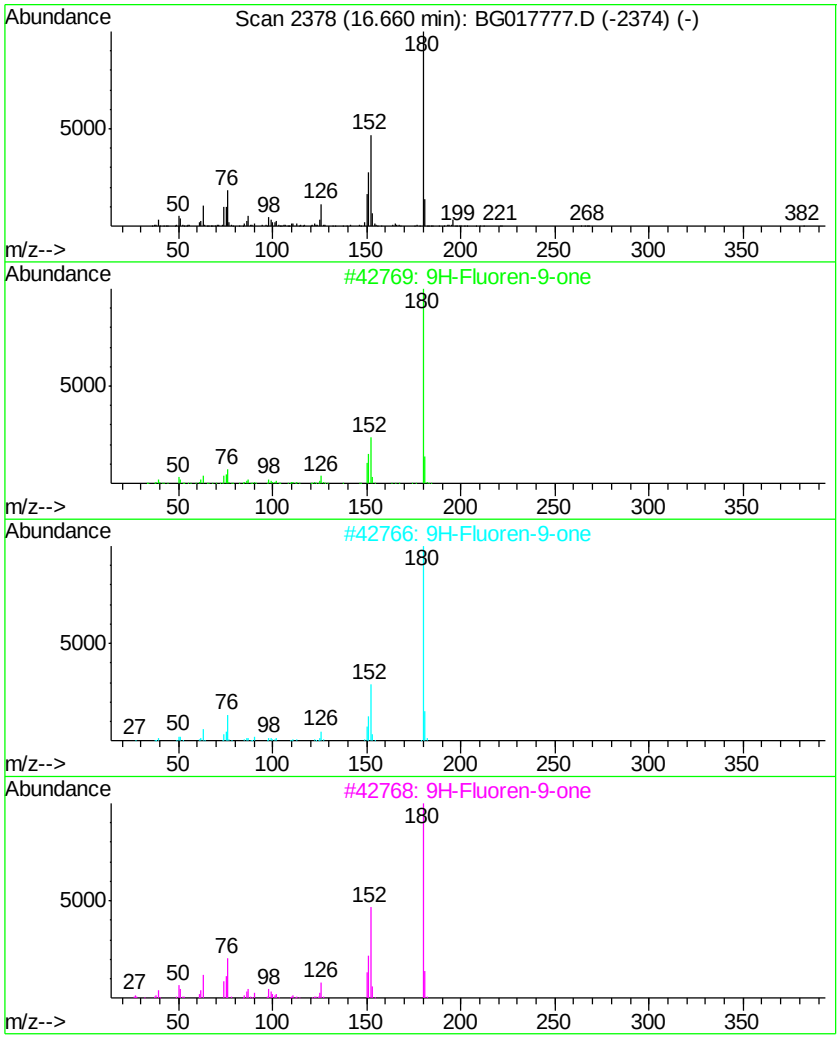
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

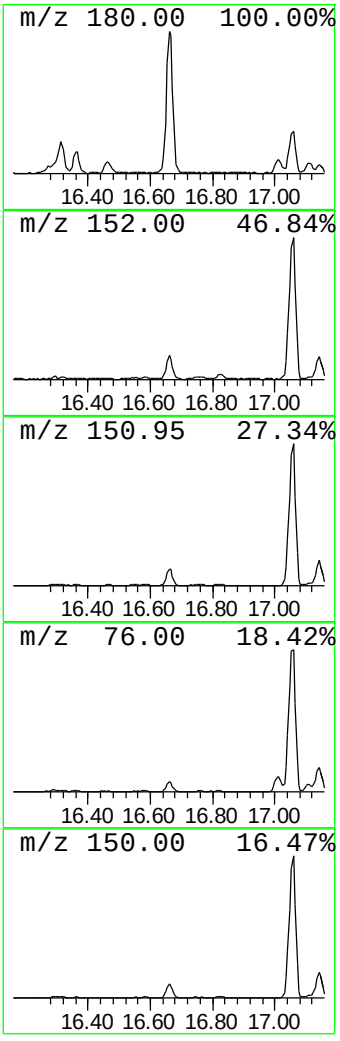
****

Peak Number 2 9H-Fluoren-9-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.66	3.13 ng/ul	499334	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	86





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017777.D
Acq On : 6 Jul 2015 20:08
Operator : TP/UM
Sample : G2860-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93H9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

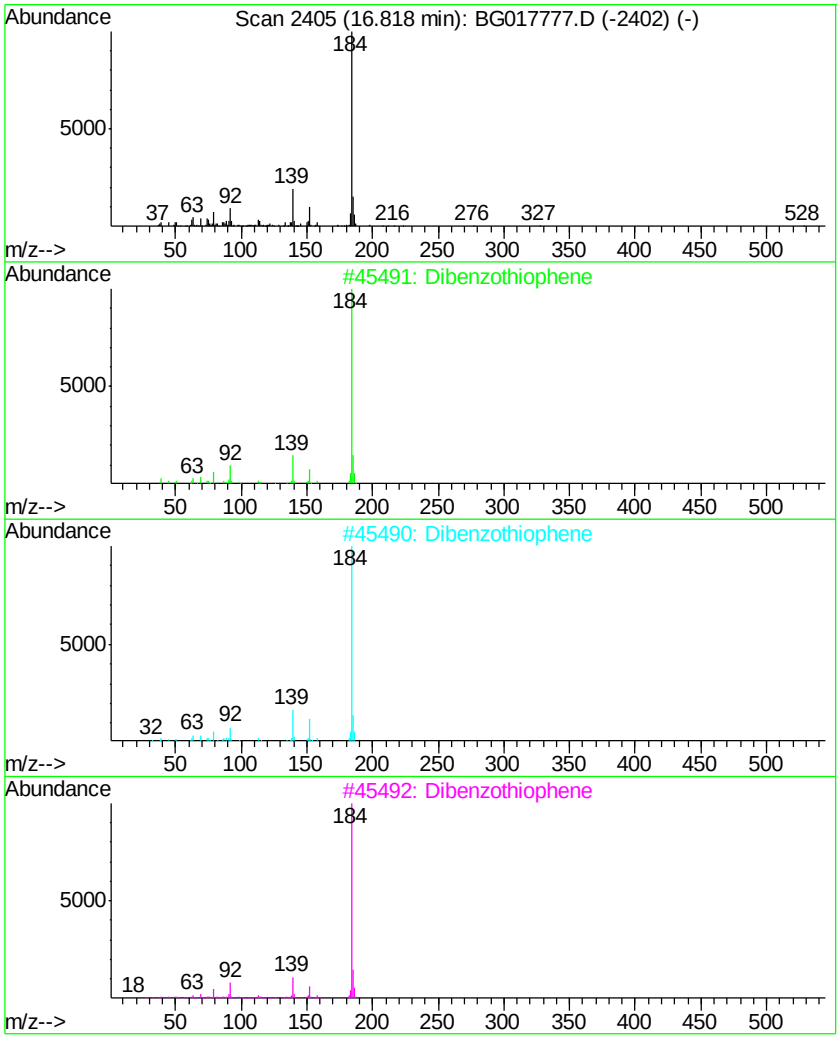
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

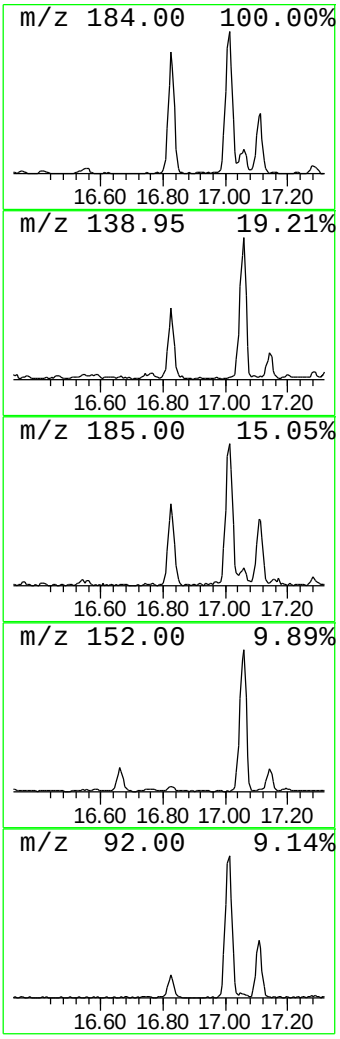
****

Peak Number 3 Dibenzothiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.82	2.64 ng/ul	420498	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	94
2	Dibenzothiophene	184	C12H8S	000132-65-0	93
3	Dibenzothiophene	184	C12H8S	000132-65-0	90
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	87





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017777.D
Acq On : 6 Jul 2015 20:08
Operator : TP/UM
Sample : G2860-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93H9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

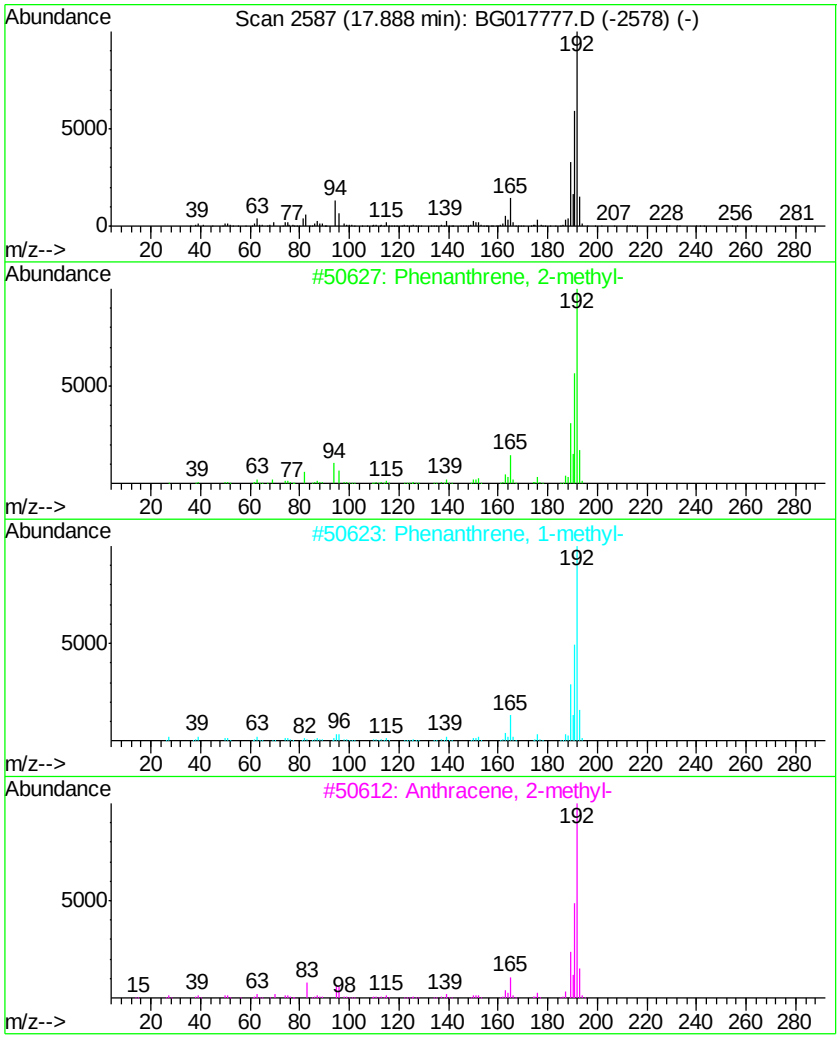
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

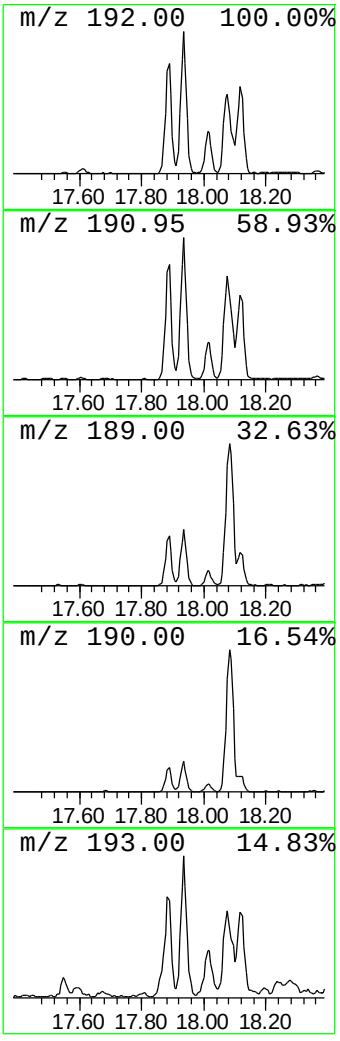
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	7.67 ng/ul	1222170	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017777.D
Acq On : 6 Jul 2015 20:08
Operator : TP/UM
Sample : G2860-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93H9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

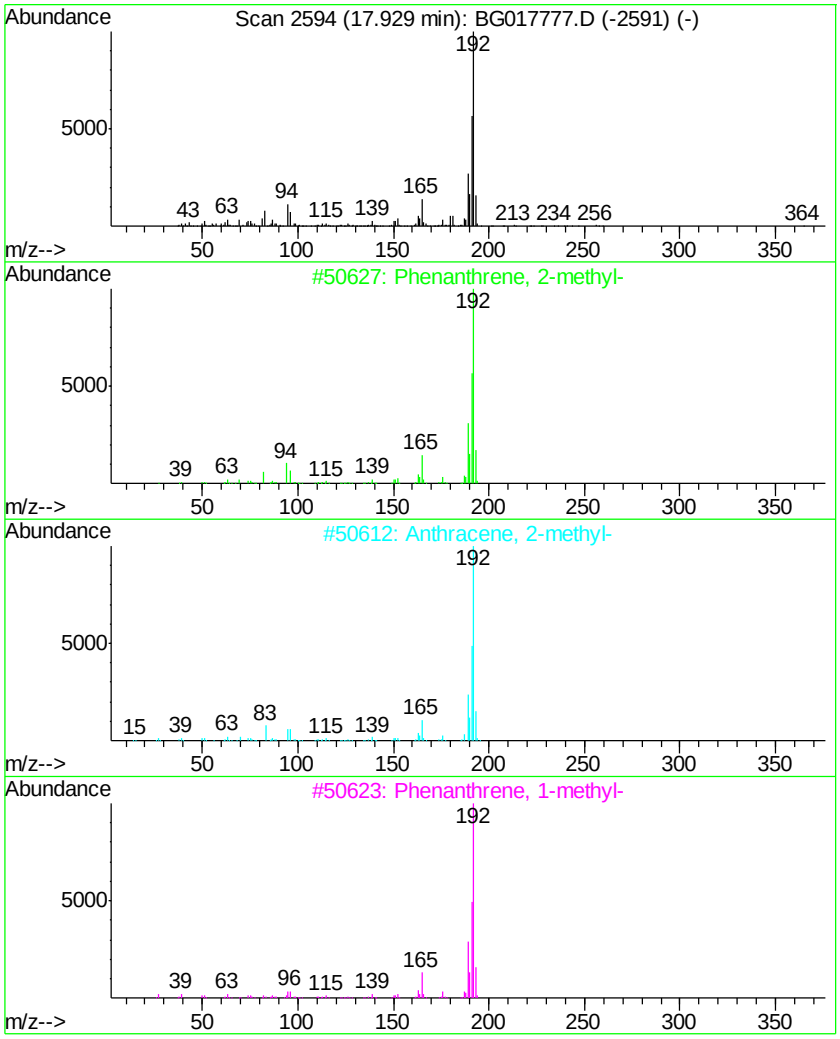
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

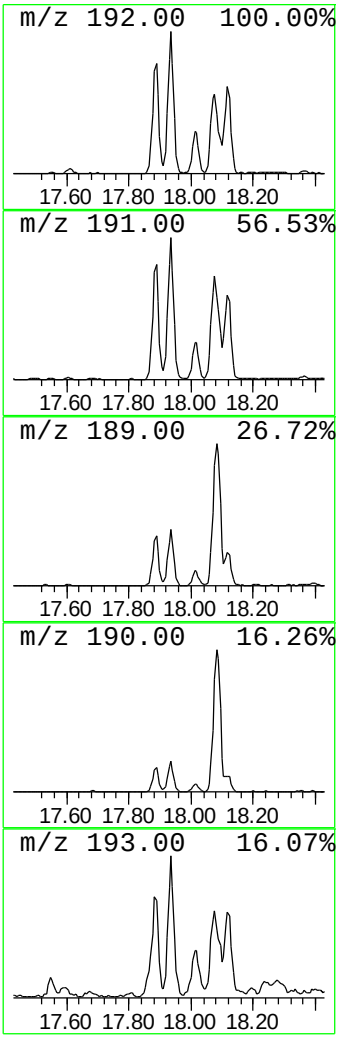
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.93	9.53 ng/ul	1518060	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96





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Data File : BG017777.D
Acq On : 6 Jul 2015 20:08
Operator : TP/UM
Sample : G2860-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93H9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

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

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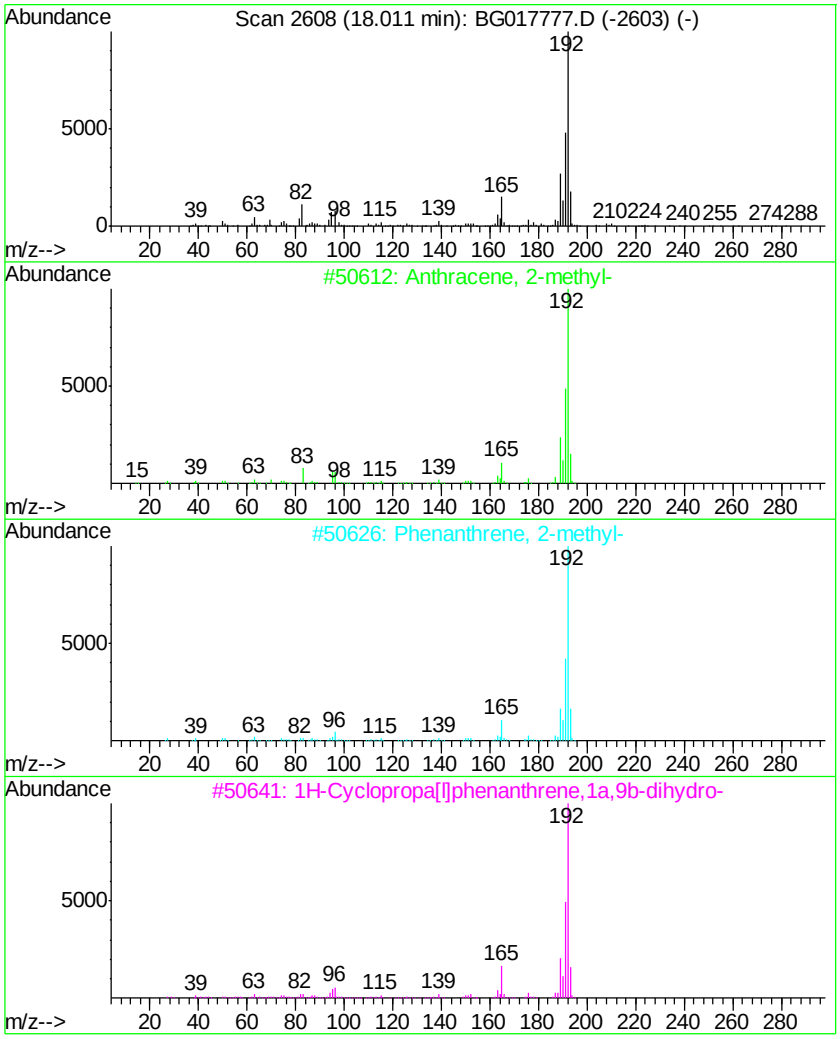
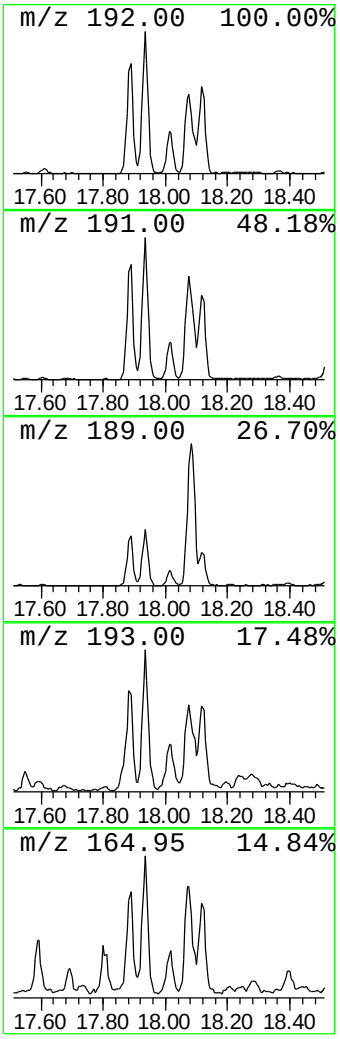
Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	2.82 ng/ul	449399	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





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Operator : TP/UM
Sample : G2860-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93H9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

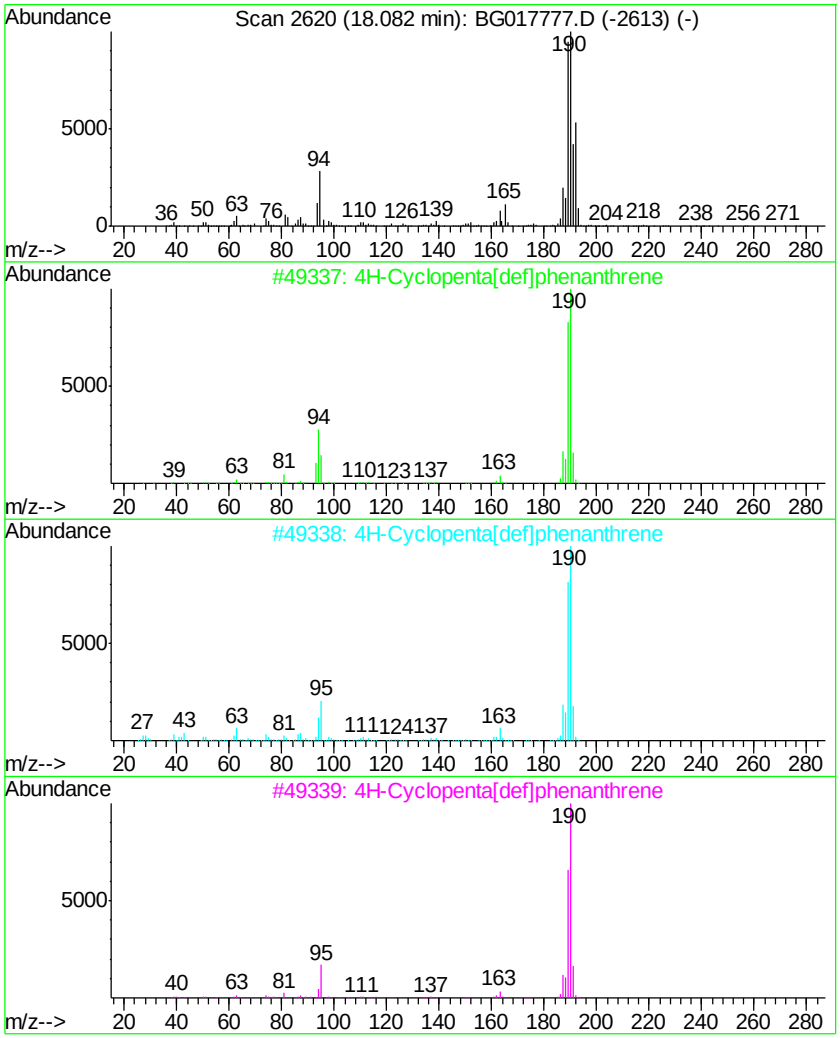
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

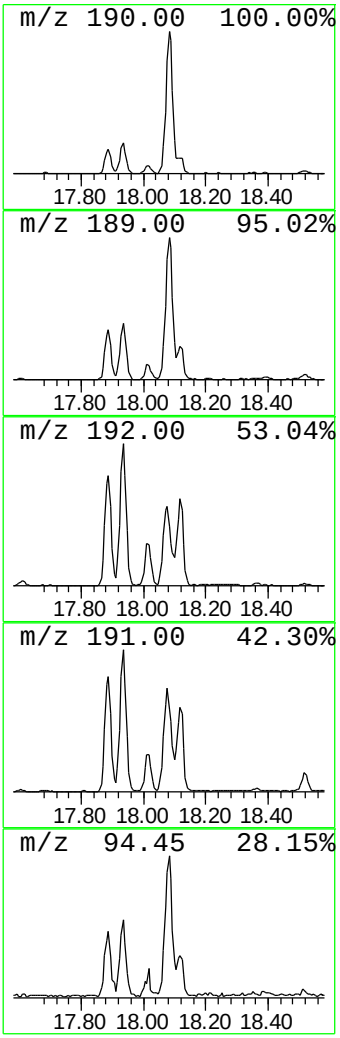
****

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	13.70 ng/ul	2183190	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	47
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	30





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Sample : G2860-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93H9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

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

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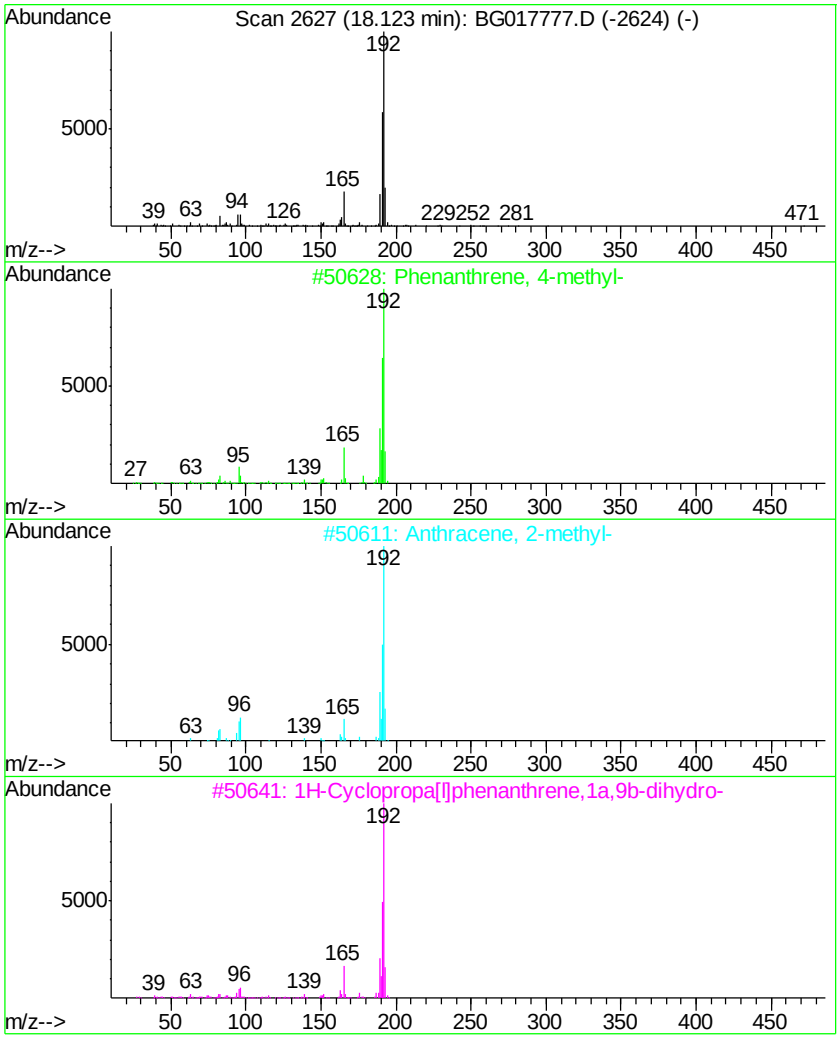
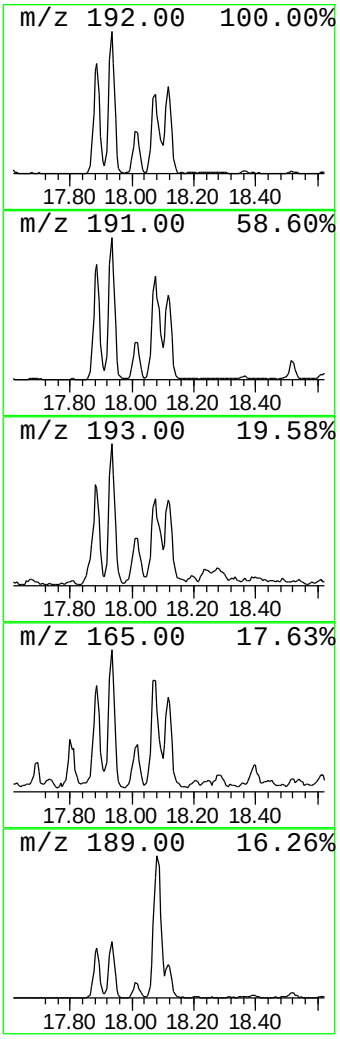
Peak Number 8 Phenanthrene, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	4.75 ng/ul	757811	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	90





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Acq On : 6 Jul 2015 20:08
Operator : TP/UM
Sample : G2860-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93H9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

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

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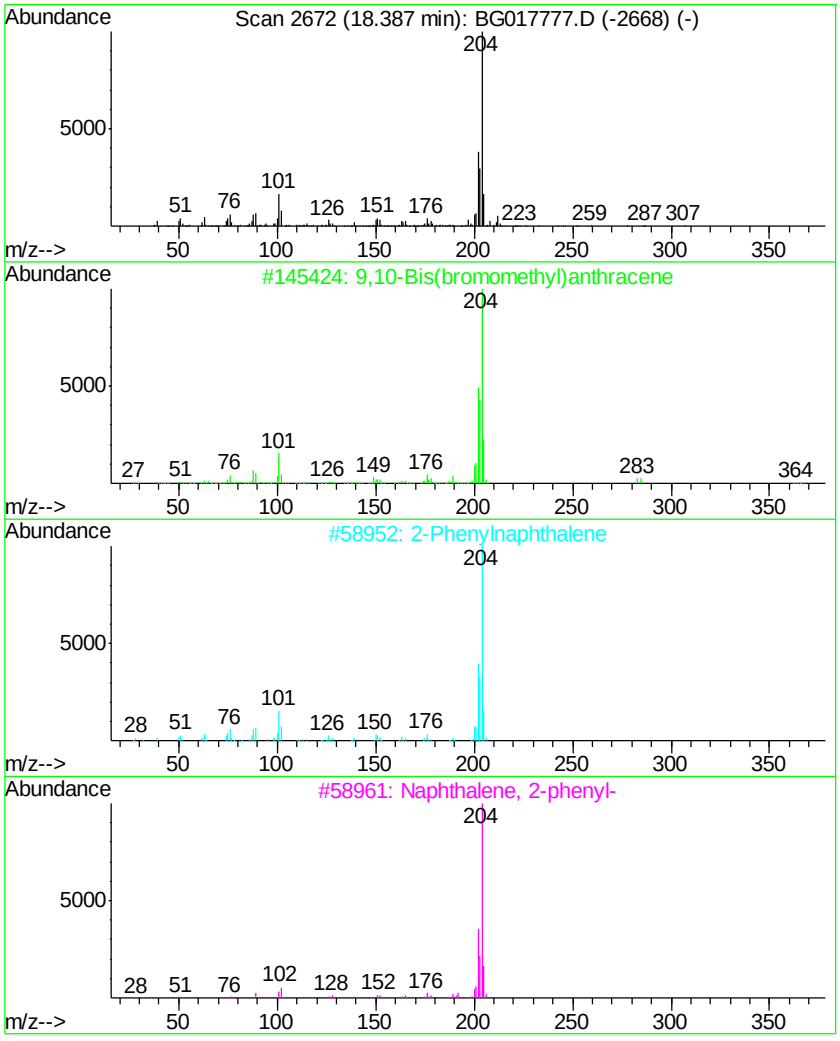
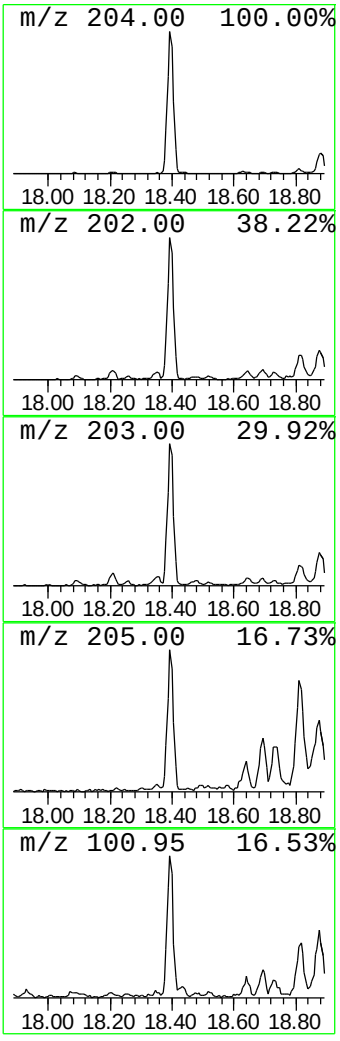
Peak Number 9 9,10-Bis(bromomethyl)anthra... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	5.85 ng/ul	932324	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	91
2	2-Phenylnaphthalene	204	C16H12	035465-71-5	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70





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Acq On : 6 Jul 2015 20:08
Operator : TP/UM
Sample : G2860-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93H9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

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

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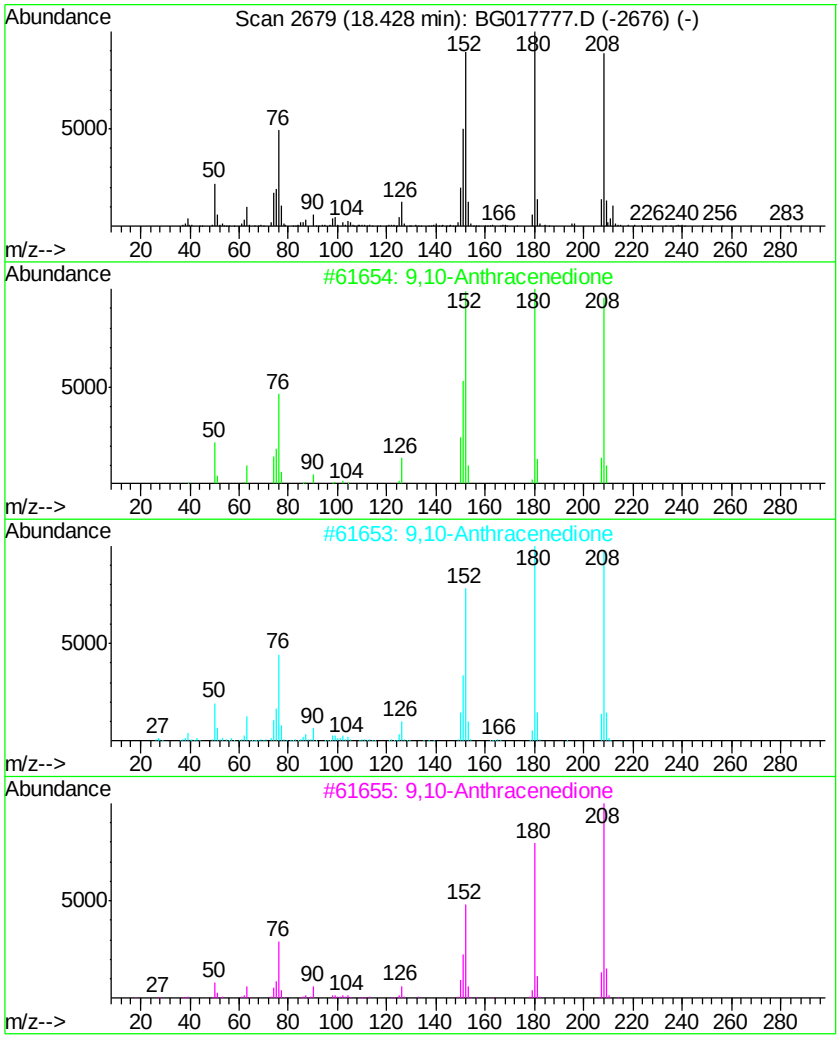
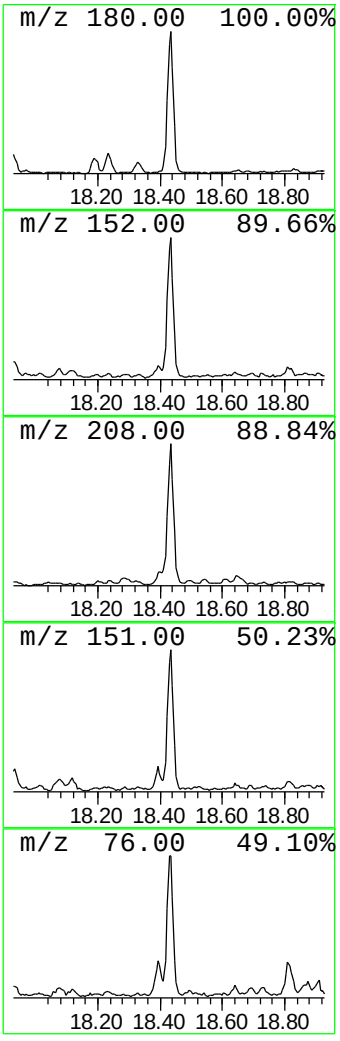
Peak Number 10 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	5.85 ng/ul	932987	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64





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Acq On : 6 Jul 2015 20:08
Operator : TP/UM
Sample : G2860-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93H9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

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

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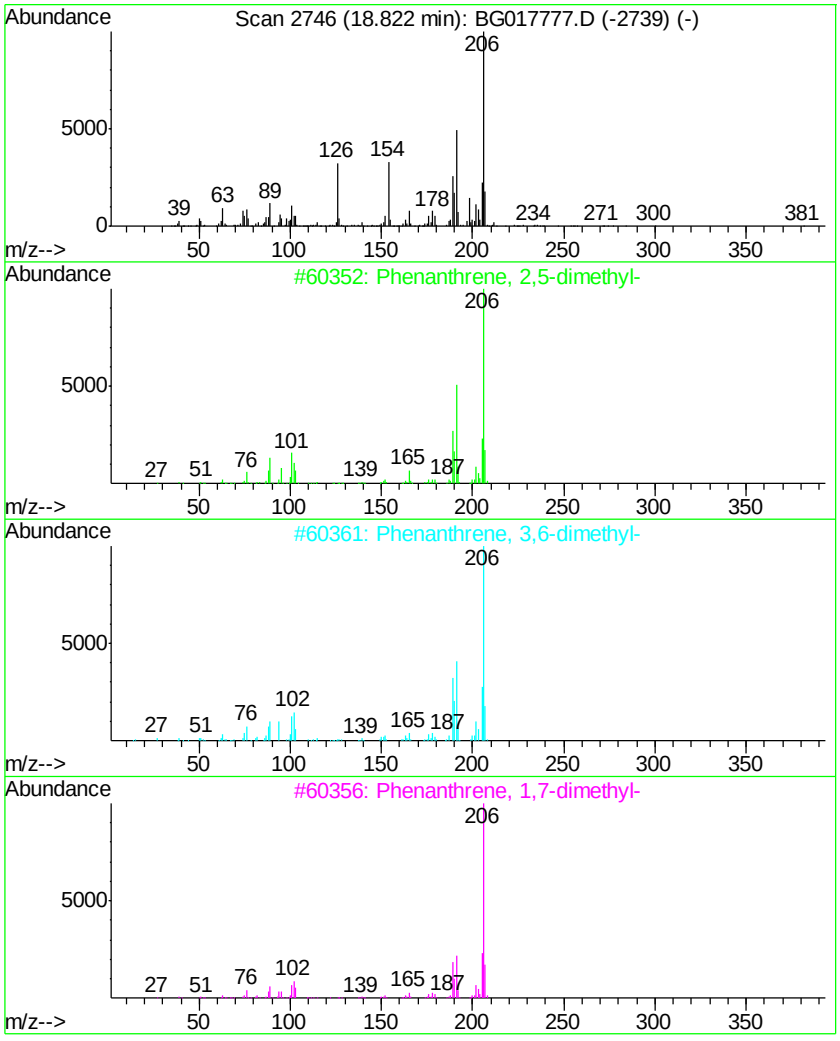
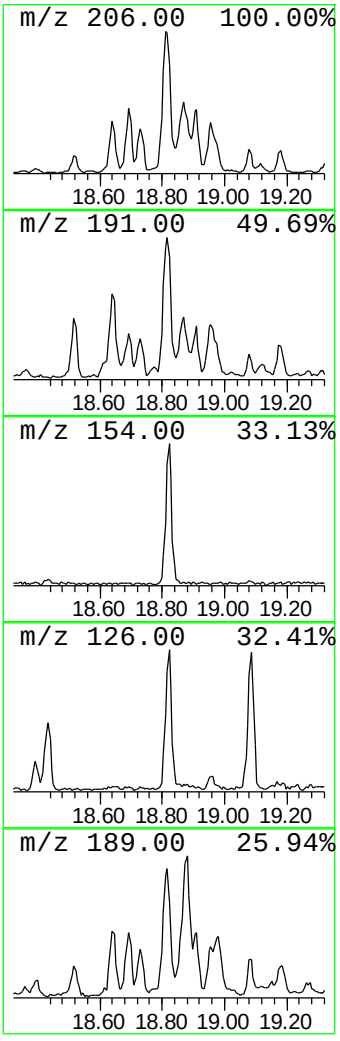
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	6.07 ng/ul	966792	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86





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Operator : TP/UM
Sample : G2860-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93H9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

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

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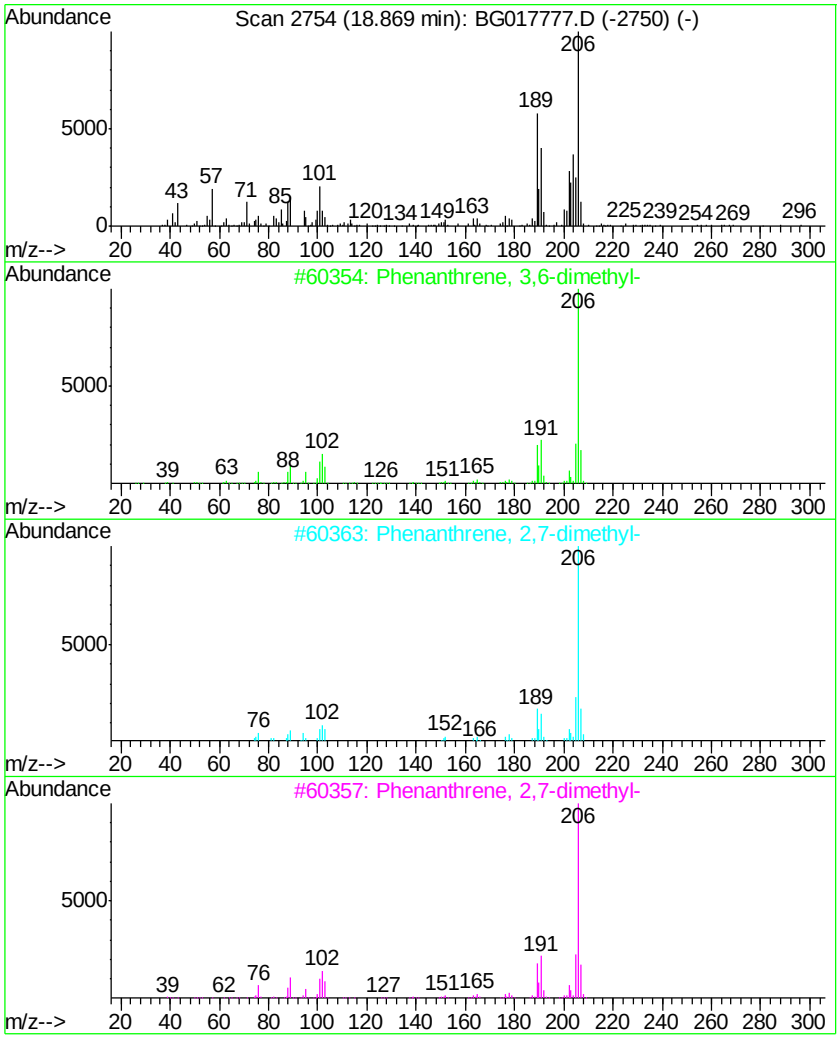
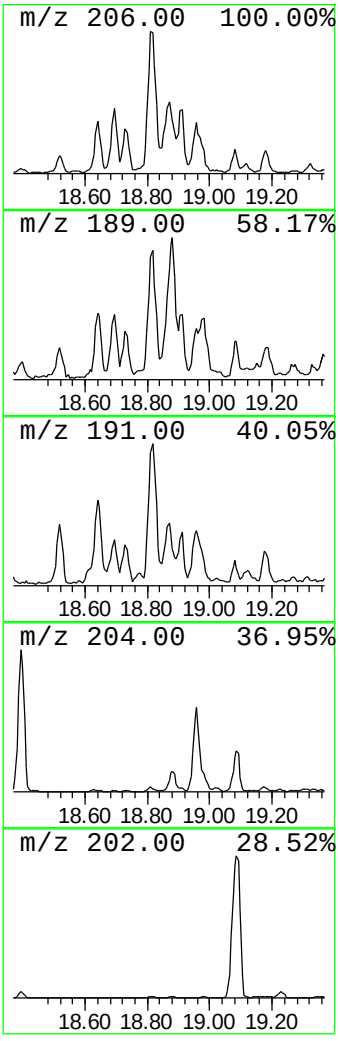
Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	2.99 ng/ul	476334	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	70
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	68
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	62
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	62
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	62





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Operator : TP/UM
Sample : G2860-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93H9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

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

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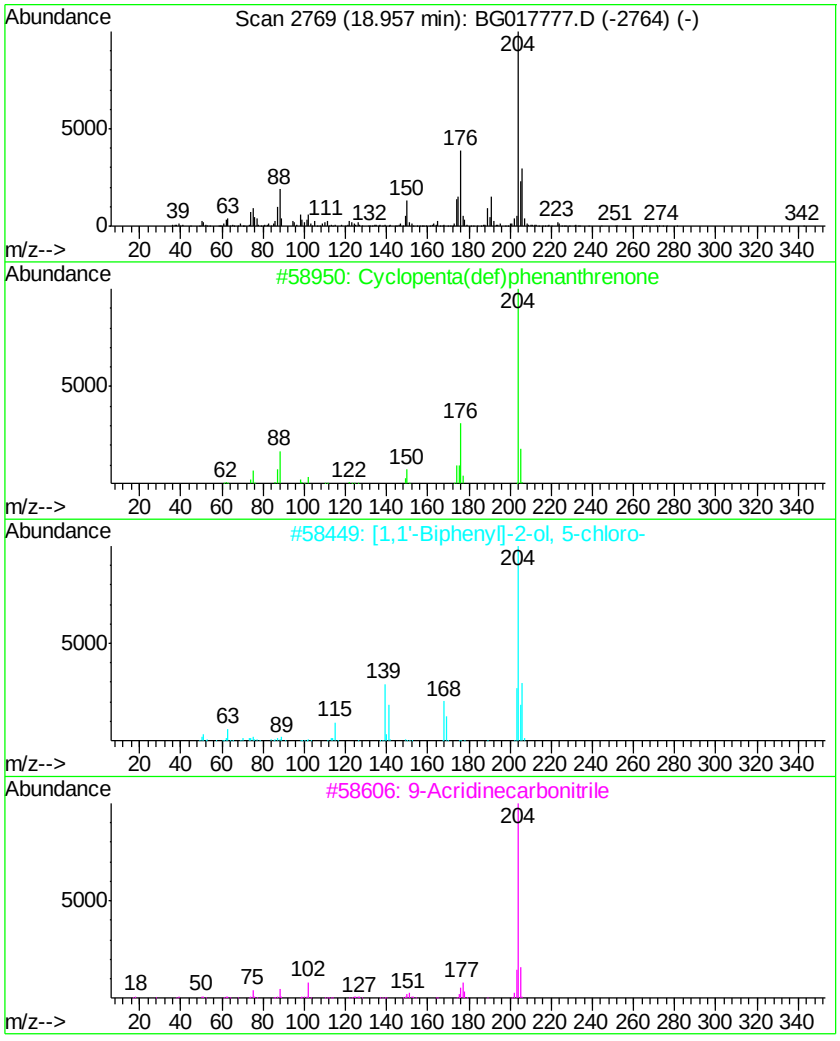
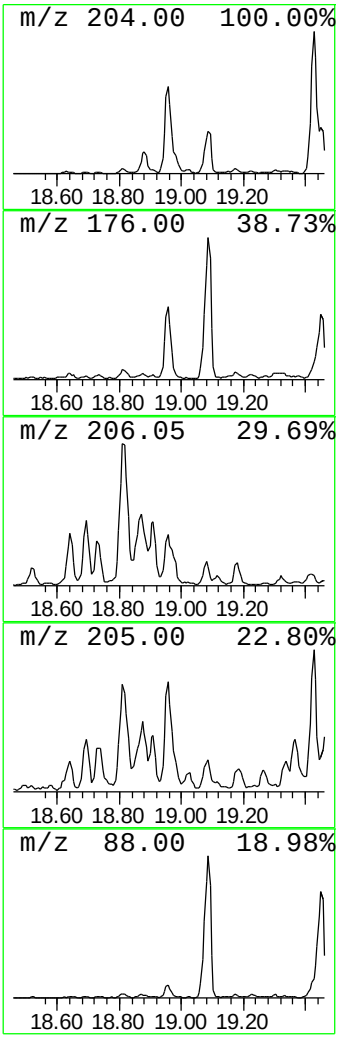
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.96	6.28 ng/ul	1000910	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	46
3	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	46
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43





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Sample : G2860-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93H9

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Quant Title : SVOA CALIBRATION

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

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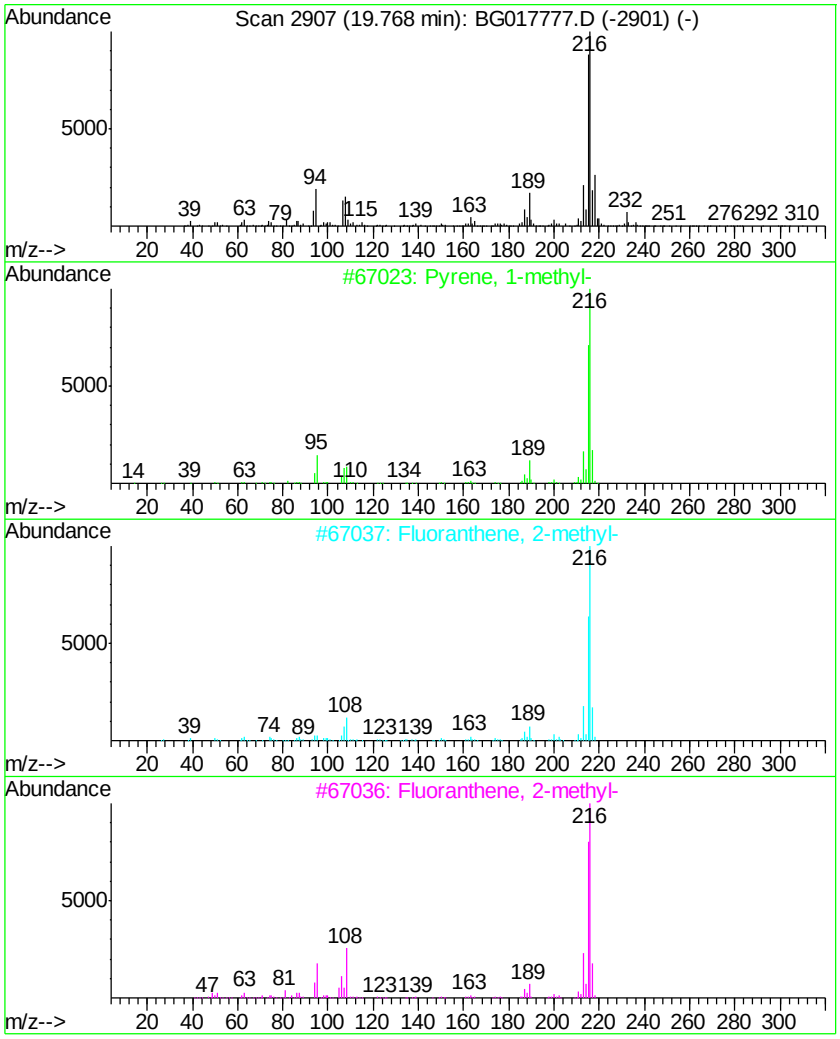
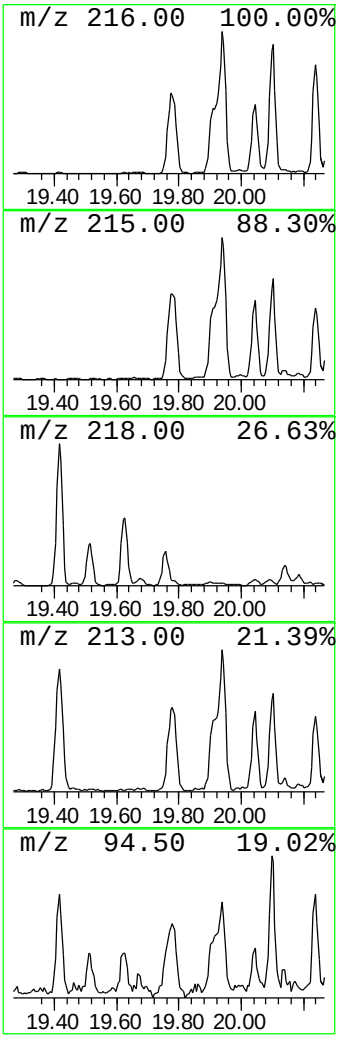
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.77	2.60 ng/ul	1494900	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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Sample : G2860-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93H9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

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

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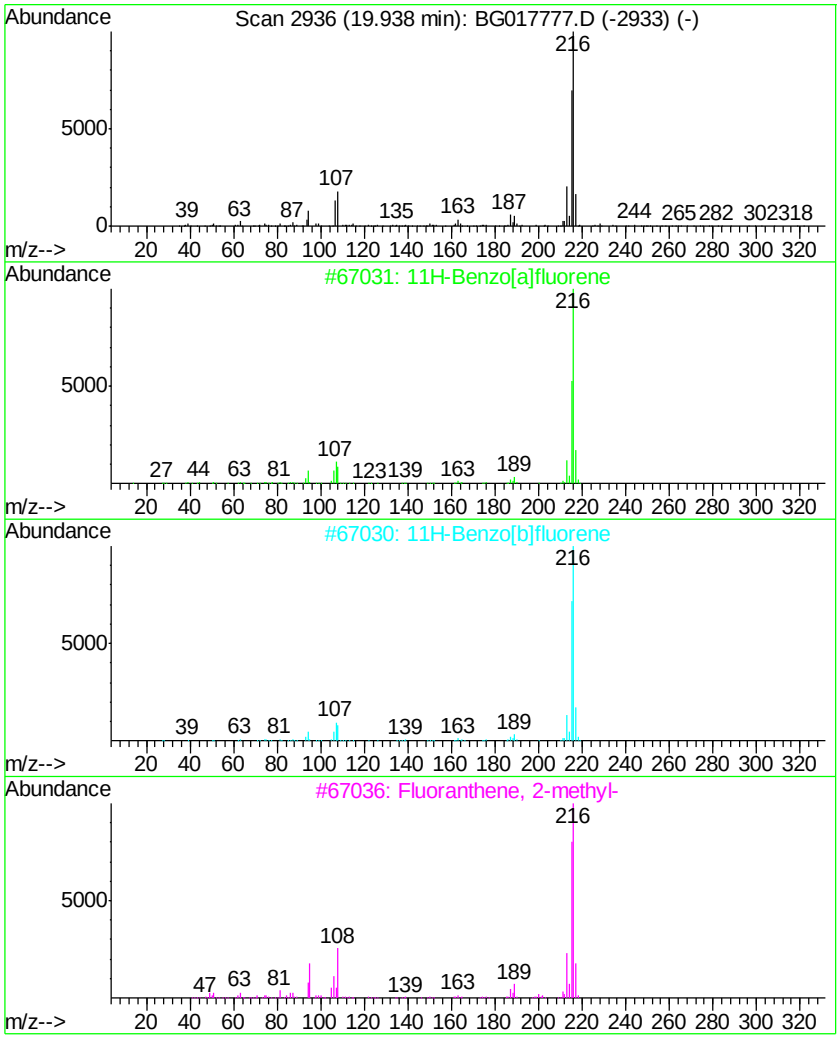
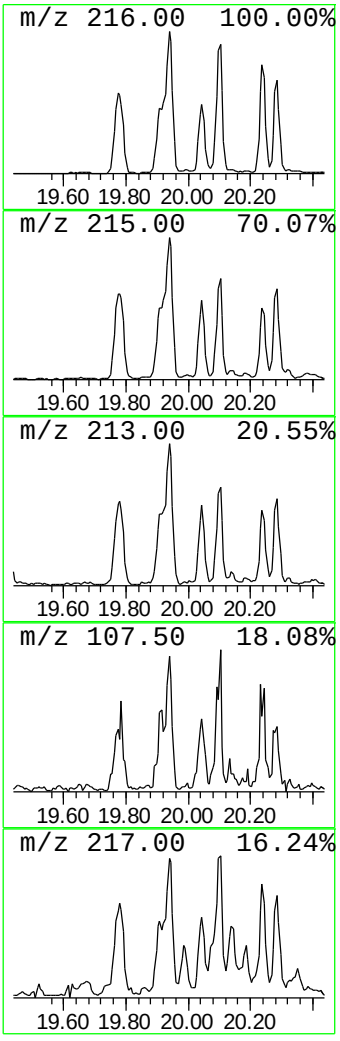
Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	2.24 ng/ul	1291960	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83





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Operator : TP/UM
Sample : G2860-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93H9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

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

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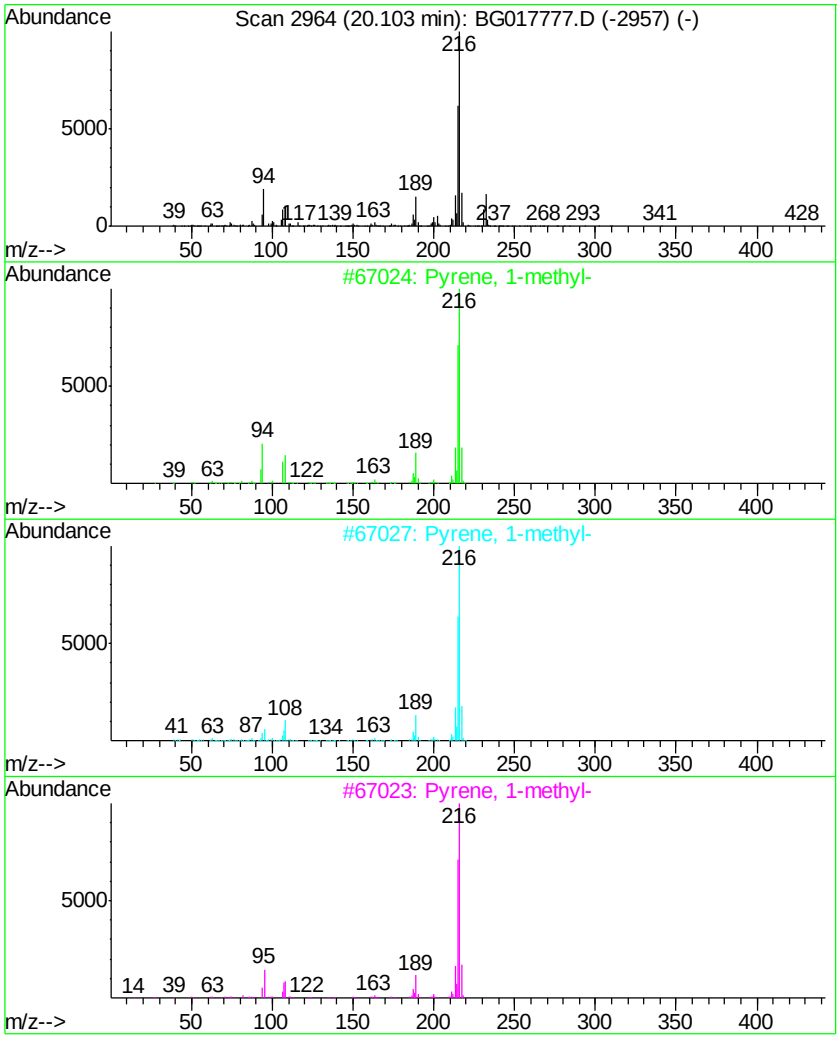
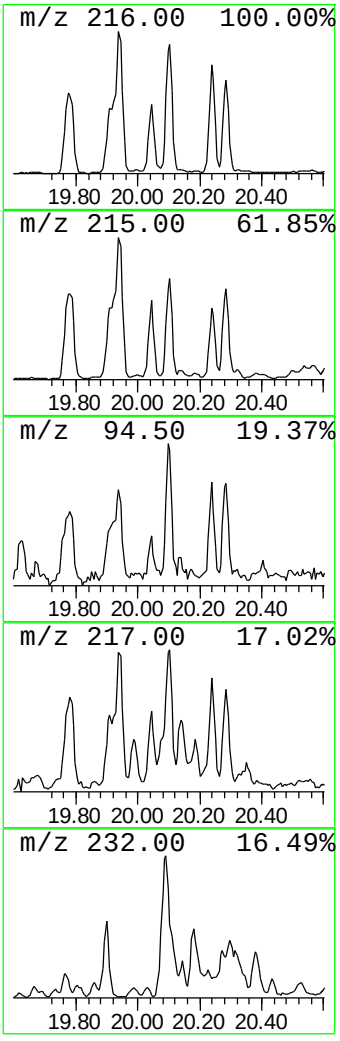
Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	2.46 ng/ul	1414440	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	91





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Acq On : 6 Jul 2015 20:08
Operator : TP/UM
Sample : G2860-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93H9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

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

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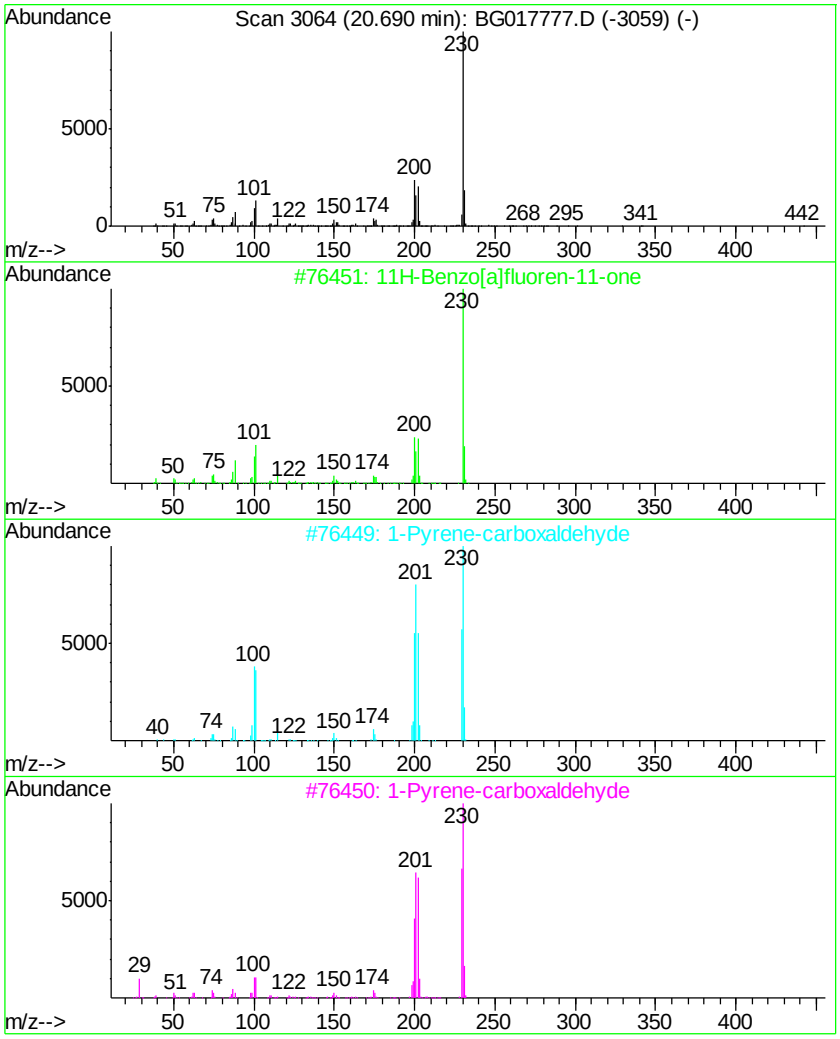
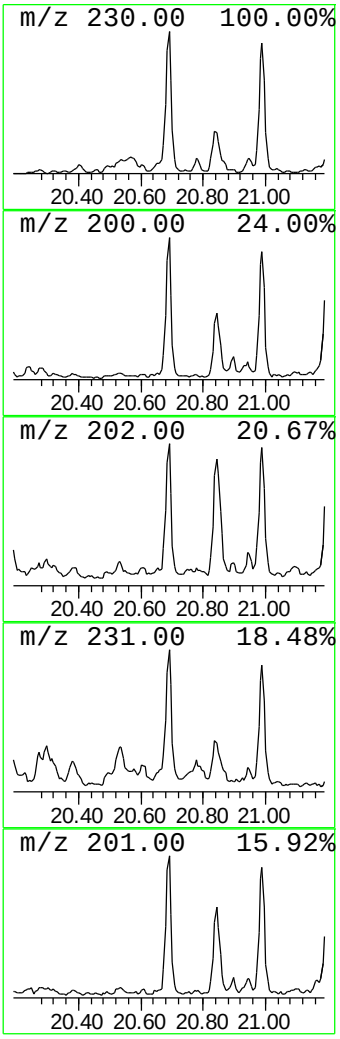
Peak Number 18 11H-Benzo[a]fluoren-11-one Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.69	2.18 ng/ul	1253280	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	72
3	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	58
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	53
5	(E)-.alpha.,.alpha.'-Dicyanostil...	230	C16H10N2	002450-55-7	53





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Data File : BG017777.D
Acq On : 6 Jul 2015 20:08
Operator : TP/UM
Sample : G2860-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93H9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

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

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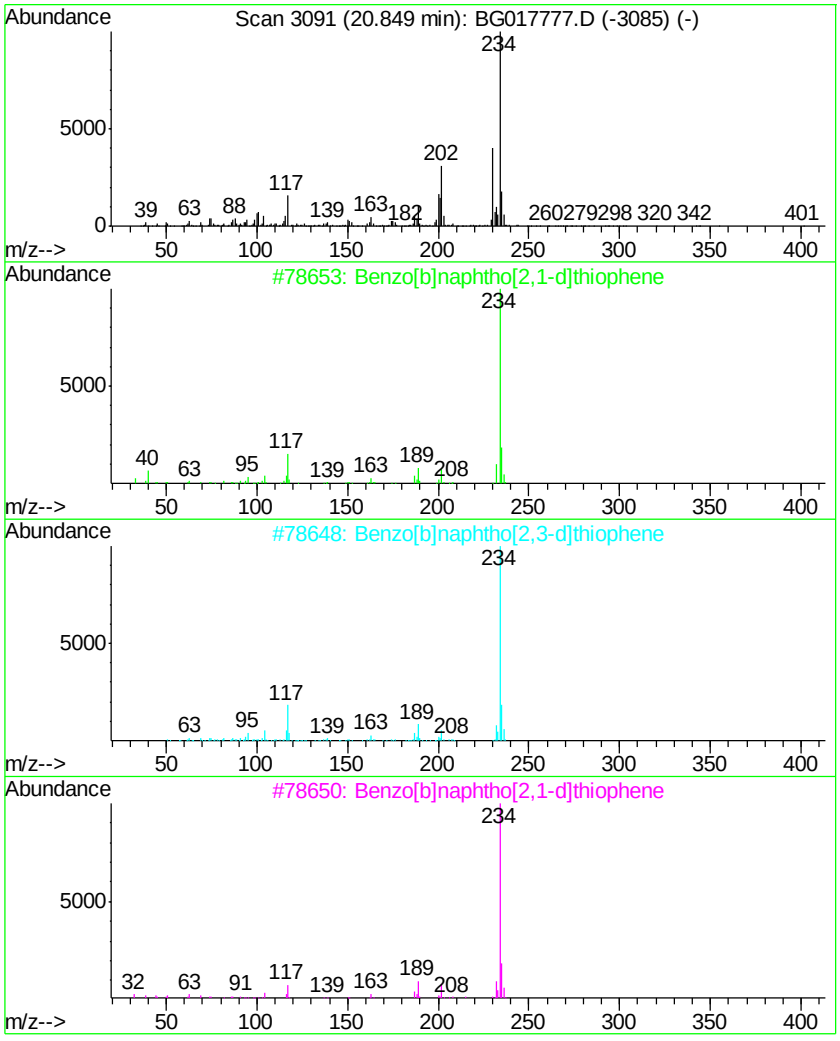
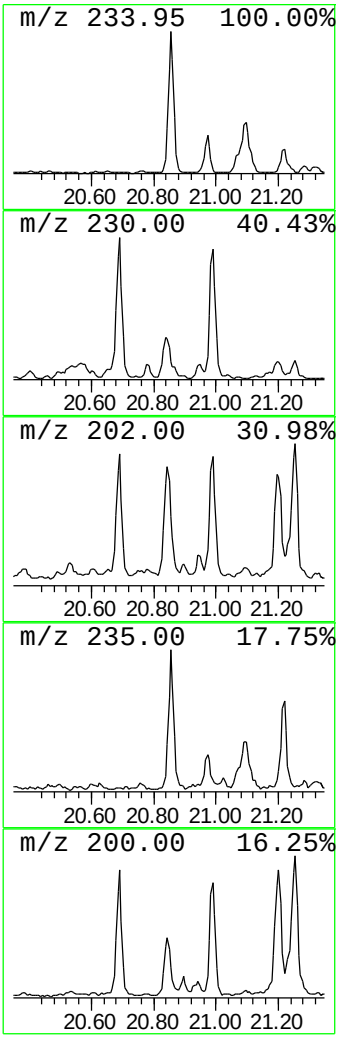
Peak Number 19 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.85	2.43 ng/ul	1398470	Chrysene-d12	21.21

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	94
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93





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Data File : BG017777.D
Acq On : 6 Jul 2015 20:08
Operator : TP/UM
Sample : G2860-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93H9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

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

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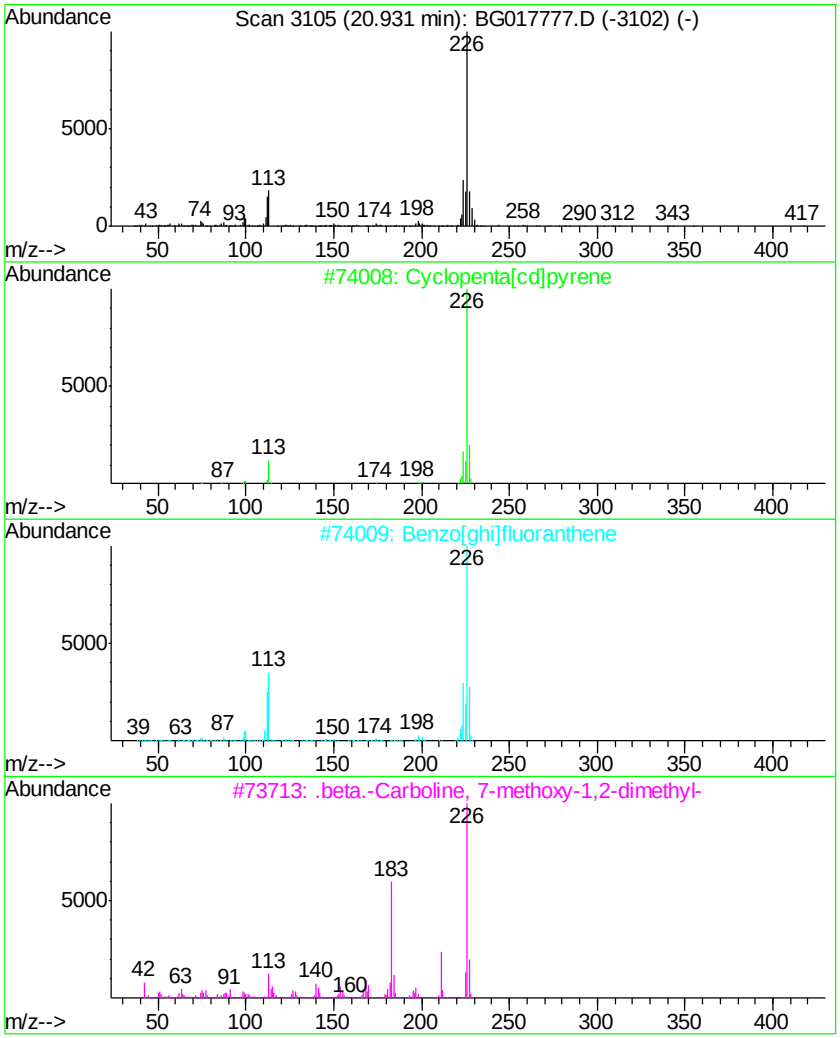
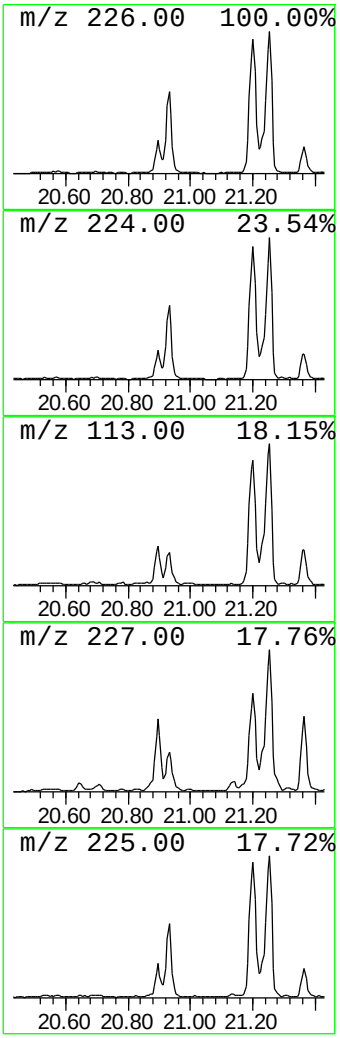
Peak Number 20 Cyclopenta[cd]pyrene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.93	2.37 ng/ul	1367810	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	76
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	46
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	40
4	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	38
5	1,1,3,3-Tetrachloro-1,3-disilacy...	224	C2H4Cl4Si2	002146-97-6	36





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Acq On : 6 Jul 2015 20:08
Operator : TP/UM
Sample : G2860-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93H9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

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

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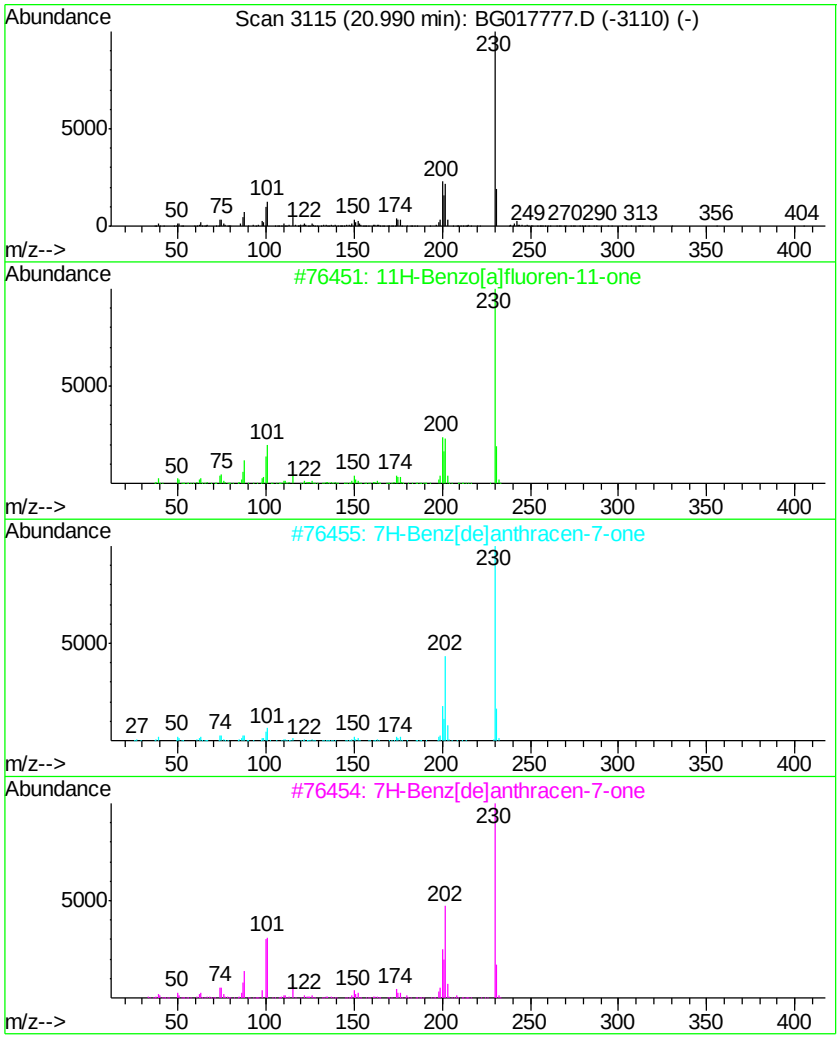
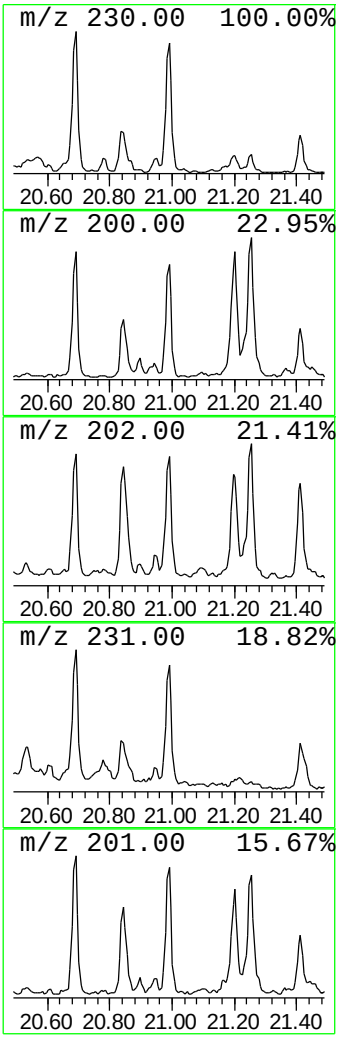
Peak Number 21 7H-Benz[de]anthracen-7-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.99	2.60 ng/ul	1499120	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
5	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	53





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Data File : BG017777.D
Acq On : 6 Jul 2015 20:08
Operator : TP/UM
Sample : G2860-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93H9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

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

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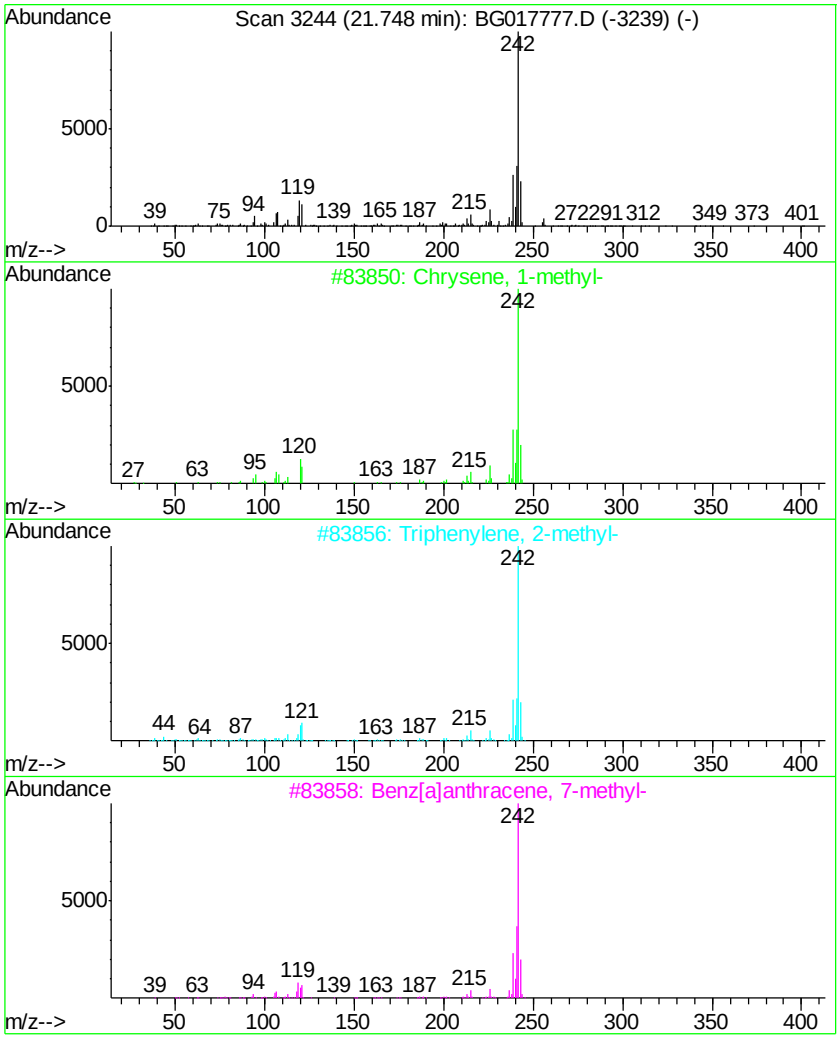
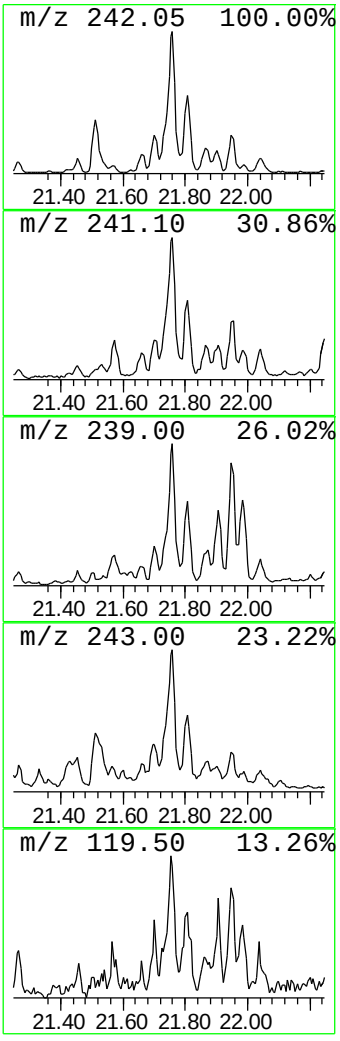
Peak Number 22 Chrysene, 1-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.75	2.22 ng/ul	1276270	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	97
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	97
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	94
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017777.D
Acq On : 6 Jul 2015 20:08
Operator : TP/UM
Sample : G2860-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93H9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

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

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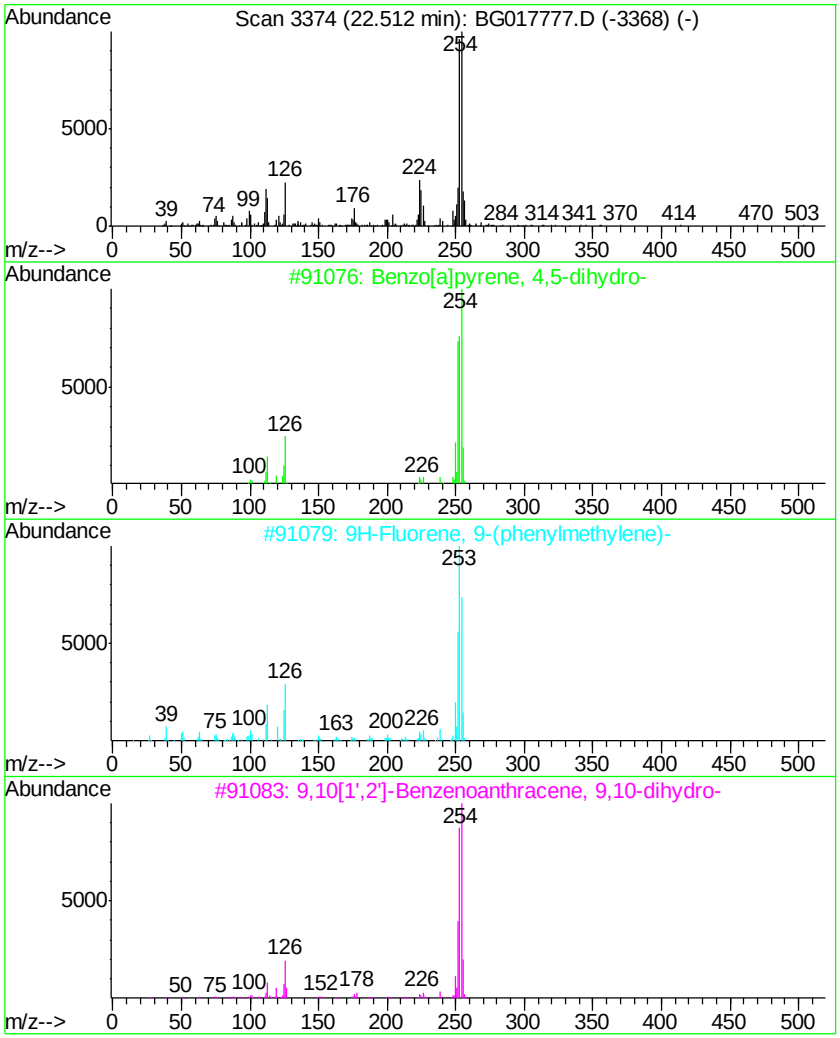
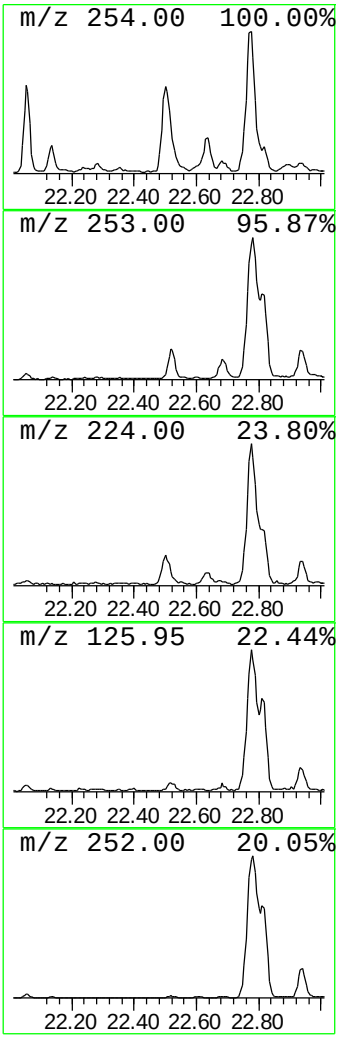
Peak Number 23 Benzo[a]pyrene, 4,5-dihydro- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.51	3.87 ng/ul	776616	Perylene-d12	23.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	81
2	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	74
3	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	68
4	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	68
5	1,1'-Binaphthalene	254	C20H14	000604-53-5	64





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017777.D
Acq On : 6 Jul 2015 20:08
Operator : TP/UM
Sample : G2860-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93H9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

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

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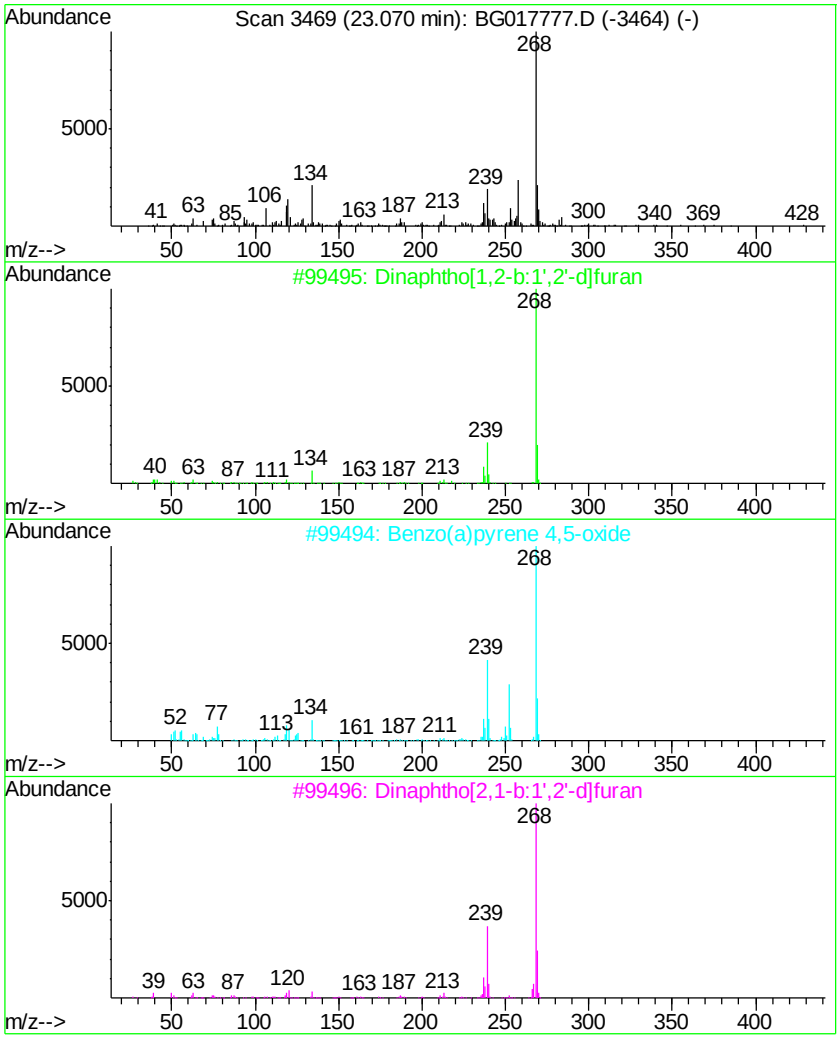
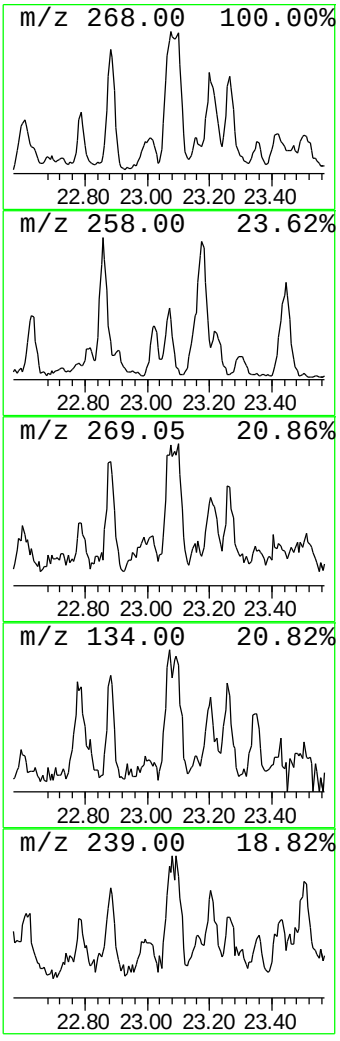
Peak Number 25 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.07	3.04 ng/ul	610506	Perylene-d12	23.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	76
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	53
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	46
4	10-Hydroxy-5-methoxy-2-methyl-1,...	268	C16H12O4	084542-45-0	46
5	trans-3'-Methyl-4-(methylthio)ch...	268	C17H16OS	131316-14-8	43





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017777.D
Acq On : 6 Jul 2015 20:08
Operator : TP/UM
Sample : G2860-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93H9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

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

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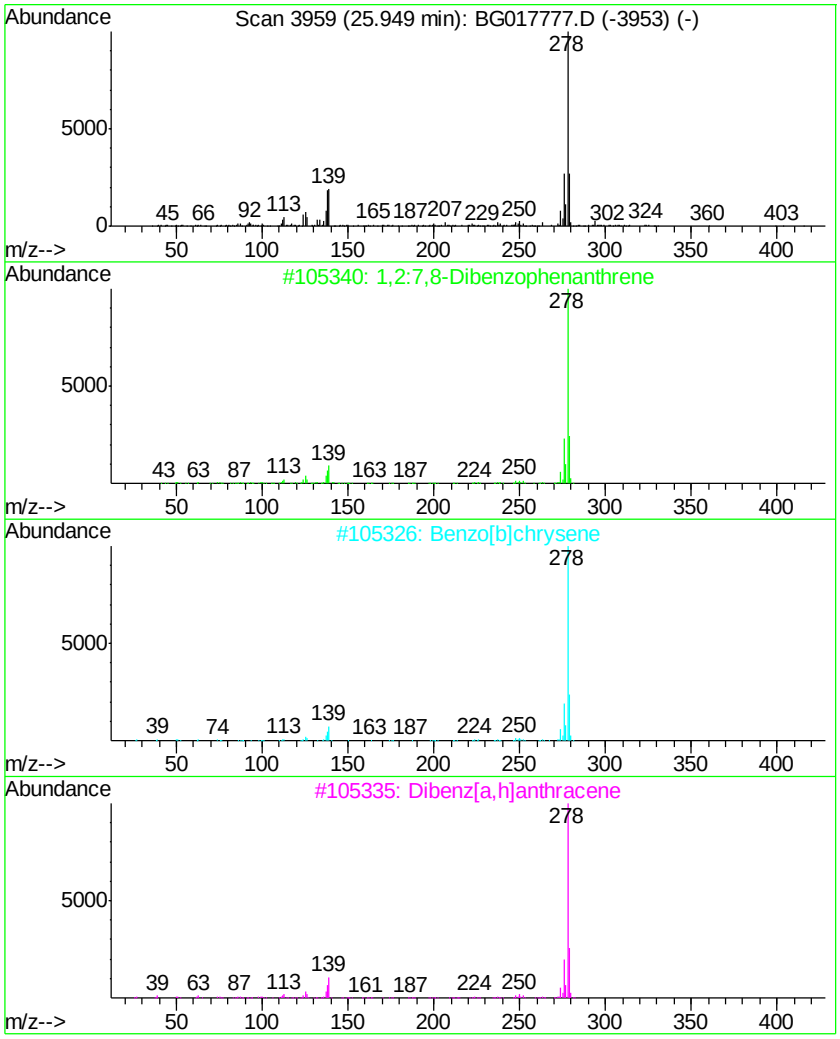
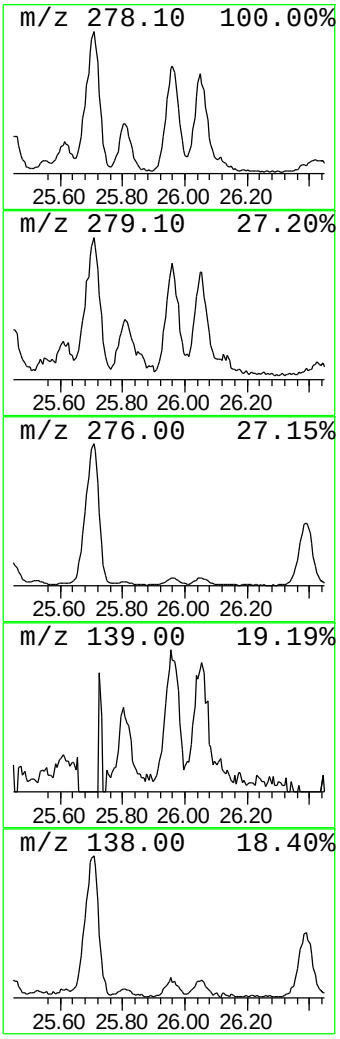
Peak Number 27 1,2:7,8-Dibenzophenanthrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.95	3.36 ng/ul	674355	Perylene-d12	23.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	98
2	Benzo[b]chrysene	278	C22H14	000214-17-5	95
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	95
4	Benzo[b]triphenylene	278	C22H14	000215-58-7	95
5	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	94





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017777.D
Acq On : 6 Jul 2015 20:08
Operator : TP/UM
Sample : G2860-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93H9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

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

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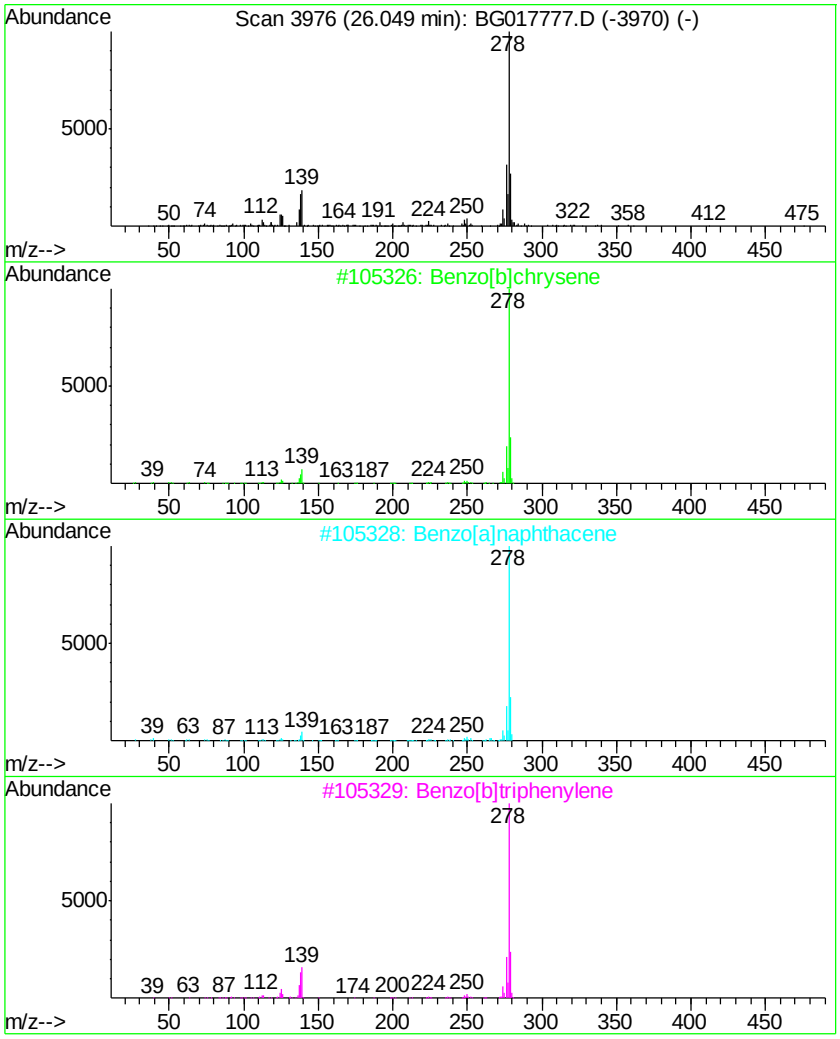
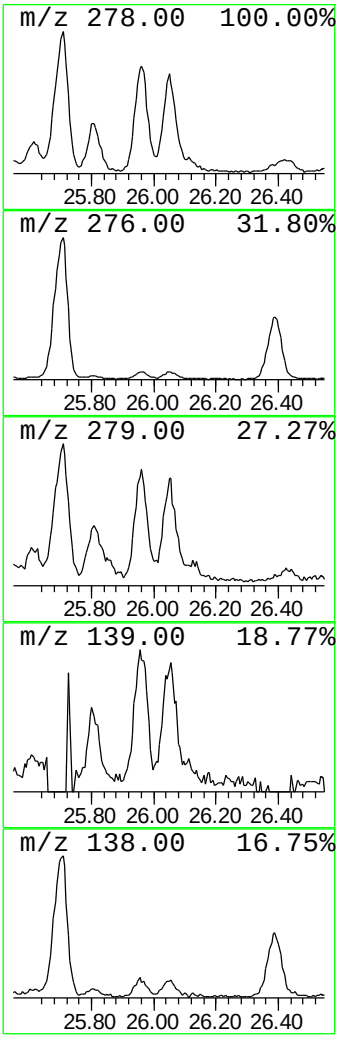
Peak Number 28 Benzo[b]chrysene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.05	2.31 ng/ul	463905	Perylene-d12	23.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]chrysene	278	C22H14	000214-17-5	96
2	Benzo[a]naphthacene	278	C22H14	000226-88-0	96
3	Benzo[b]triphenylene	278	C22H14	000215-58-7	96
4	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	95
5	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017777.D
Acq On : 6 Jul 2015 20:08
Operator : TP/UM
Sample : G2860-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93H9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.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
Butane, 2-methoxy...	2.88	74.7	ng/ul	4402890	1	7.61	1178880	20.0
9H-Fluoren-9-one	16.66	3.1	ng/ul	499334	4	17.01	3187500	20.0
Dibenzothiophene	16.82	2.6	ng/ul	420498	4	17.01	3187500	20.0
Phenanthrene, 2-m...	17.89	7.7	ng/ul	1222170	4	17.01	3187500	20.0
Anthracene, 2-met...	17.93	9.5	ng/ul	1518060	4	17.01	3187500	20.0
1H-Cyclopropa[l]p...	18.01	2.8	ng/ul	449399	4	17.01	3187500	20.0
4H-Cyclopenta[def...	18.08	13.7	ng/ul	2183190	4	17.01	3187500	20.0
Phenanthrene, 4-m...	18.12	4.8	ng/ul	757811	4	17.01	3187500	20.0
9,10-Bis(bromomet...	18.39	5.8	ng/ul	932324	4	17.01	3187500	20.0
9,10-Anthracenedione	18.43	5.8	ng/ul	932987	4	17.01	3187500	20.0
Phenanthrene, 2,5...	18.82	6.1	ng/ul	966792	4	17.01	3187500	20.0
Phenanthrene, 3,6...	18.87	3.0	ng/ul	476334	4	17.01	3187500	20.0
Cyclopenta(def)ph...	18.96	6.3	ng/ul	1000910	4	17.01	3187500	20.0
Pyrene, 1-methyl-	19.77	2.6	ng/ul	1494900	5	21.21	11521100	20.0
11H-Benzo[a]fluorene	19.94	2.2	ng/ul	1291960	5	21.21	11521100	20.0
Fluoranthene, 2-m...	20.10	2.5	ng/ul	1414440	5	21.21	11521100	20.0
11H-Benzo[a]fluor...	20.69	2.2	ng/ul	1253280	5	21.21	11521100	20.0
Benzo[b]naphtho[2...	20.85	2.4	ng/ul	1398470	5	21.21	11521100	20.0
Cyclopenta[cd]pyrene	20.93	2.4	ng/ul	1367810	5	21.21	11521100	20.0
7H-Benz[de]anthra...	20.99	2.6	ng/ul	1499120	5	21.21	11521100	20.0
Chrysene, 1-methyl-	21.75	2.2	ng/ul	1276270	5	21.21	11521100	20.0
Benzo[a]pyrene, 4...	22.51	3.9	ng/ul	776616	6	23.45	4018650	20.0
Dinaphtho[1,2-b:1...	23.07	3.0	ng/ul	610506	6	23.45	4018650	20.0
1,2:7,8-Dibenzoph...	25.95	3.4	ng/ul	674355	6	23.45	4018650	20.0
Benzo[b]chrysene	26.05	2.3	ng/ul	463905	6	23.45	4018650	20.0