LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017794.D
Acq On : 7 Jul 2015 13:47
Operator : TP/UM
Sample : G2860-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4DL

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	2.805	18	20	27	rVB3	33388	52101	1.91%	0.167%
2	2.882	29	33	45	rVB	444915	612677	22.50%	1.969%
3	6.777	688	696	703	rBV	38814	73734	2.71%	0.237%
4	6.948	720	725	730	rVV2	26208	41188	1.51%	0.132%
5	7.136	751	757	765	rVV	41547	67473	2.48%	0.217%
6	7.606	828	837	844	rBV	331496	509087	18.70%	1.636%
7	8.311	951	957	964	rBV	49008	82346	3.02%	0.265%
8	8.757	1026	1033	1040	rVB2	33991	59544	2.19%	0.191%
9	9.468	1150	1154	1161	rBV3	28150	45267	1.66%	0.145%
10	10.009	1240	1246	1255	rVB	47467	78735	2.89%	0.253%
11	10.385	1302	1310	1315	rBV	463015	783038	28.76%	2.516%
12	10.438	1315	1319	1326	rVV	126323	206887	7.60%	0.665%
13	10.526	1328	1334	1345	rVB2	35319	71923	2.64%	0.231%
14	12.059	1588	1595	1601	rVB	82244	123594	4.54%	0.397%
15	12.283	1626	1633	1639	rVB	59949	101649	3.73%	0.327%
16	13.087	1765	1770	1774	rVV	33005	51423	1.89%	0.165%
17	13.434	1827	1829	1835	rVB3	30739	36934	1.36%	0.119%
18	13.575	1848	1853	1859	rBV	50451	89610	3.29%	0.288%
19	13.634	1859	1863	1866	rVV	35608	49255	1.81%	0.158%
20	13.675	1866	1870	1874	rVV	76545	101836	3.74%	0.327%
21	13.716	1874	1877	1882	rVV	32335	45952	1.69%	0.148%
22	13.816	1890	1894	1897	rVV2	33908	47279	1.74%	0.152%
23	13.951	1910	1917	1920	rBV	87768	145775	5.35%	0.468%
24	13.981	1920	1922	1928	rVV	48573	65948	2.42%	0.212%
25	14.263	1959	1970	1976	rBV2	659243	1052478	38.65%	3.382%
26	14.321	1976	1980	1988	rVV	254501	389925	14.32%	1.253%
27	14.398	1988	1993	1998	rVB2	17991	31854	1.17%	0.102%
28	14.468	1998	2005	2015	rBV4	36011	80295	2.95%	0.258%
29	14.574	2015	2023	2030	rBV4	22479	48594	1.78%	0.156%
30	14.662	2032	2038	2047	rVB	203434	312953	11.49%	1.006%
31	14.738	2047	2051	2056	rVB3	22582	33533	1.23%	0.108%
32	14.885	2068	2076	2081	rBV6	27621	54070	1.99%	0.174%
33	14.938	2081	2085	2090	rBV4	21974	33299	1.22%	0.107%
34	15.056	2098	2105	2108	rBV7	23122	46383	1.70%	0.149%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017794.D
Acq On : 7 Jul 2015 13:47
Operator : TP/UM
Sample : G2860-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4DL

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	15.256	2134	2139	2143	rVV	112631	159800	5.87%	0.513%
36	15.314	2143	2149	2155	rVV2	324878	478828	17.59%	1.539%
37	15.438	2167	2170	2173	rVV3	37180	48006	1.76%	0.154%
38	15.473	2173	2176	2181	rVV2	46984	70296	2.58%	0.226%
39	15.526	2181	2185	2188	rVV4	20500	34588	1.27%	0.111%
40	15.561	2189	2191	2195	rVV3	24052	31035	1.14%	0.100%
41	15.608	2195	2199	2206	rVB	73593	118092	4.34%	0.379%
42	15.755	2217	2224	2232	rVB	84642	179136	6.58%	0.576%
43	15.843	2232	2239	2243	rBV5	23323	52731	1.94%	0.169%
44	15.996	2260	2265	2267	rBV6	27977	44312	1.63%	0.142%
45	16.301	2310	2317	2318	rBV4	41991	68664	2.52%	0.221%
46	16.325	2318	2321	2325	rVV4	57211	91905	3.38%	0.295%
47	16.372	2325	2329	2334	rVV4	40834	72466	2.66%	0.233%
48	16.472	2341	2346	2350	rVB4	35367	60688	2.23%	0.195%
49	16.554	2356	2360	2363	rVV2	39993	65754	2.41%	0.211%
50	16.595	2363	2367	2370	rVV5	40323	61834	2.27%	0.199%
51	16.666	2376	2379	2387	rVB4	48449	83137	3.05%	0.267%
52	16.754	2387	2394	2400	rBV4	45650	124990	4.59%	0.402%
53	16.830	2403	2407	2417	rVB	117960	196187	7.21%	0.630%
54	17.012	2432	2438	2442	rBV2	779281	1189103	43.67%	3.821%
55	17.059	2442	2446	2451	rVV	1873940	2660189	97.70%	8.547%
56	17.112	2451	2455	2457	rVV2	165807	231586	8.51%	0.744%
57	17.147	2457	2461	2466	rVB	526051	749485	27.53%	2.408%
58	17.206	2466	2471	2477	rBV2	51627	86171	3.16%	0.277%
59	17.388	2497	2502	2503	rBV2	40913	55209	2.03%	0.177%
60	17.418	2503	2507	2511	rVB	153949	206517	7.58%	0.664%
61	17.535	2523	2527	2531	rBV2	43996	56903	2.09%	0.183%
62	17.735	2558	2561	2565	rBV3	19801	34444	1.27%	0.111%
63	17.888	2583	2587	2592	rBV	176492	258243	9.48%	0.830%
64	17.941	2592	2596	2603	rVB2	272945	399456	14.67%	1.283%
65	18.017	2603	2609	2615	rBV	133363	211708	7.78%	0.680%
66	18.087	2615	2621	2625	rBV2	346342	607437	22.31%	1.952%
67	18.123	2625	2627	2634	rVB	141496	167549	6.15%	0.538%
68	18.334	2660	2663	2669	rBV8	24328	50545	1.86%	0.162%
69	18.399	2670	2674	2678	rVV	159648	223475	8.21%	0.718%
70	18.434	2678	2680	2684	rVB	76274	87073	3.20%	0.280%
71	18.646	2713	2716	2720	rVV4	49468	59443	2.18%	0.191%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017794.D
Acq On : 7 Jul 2015 13:47
Operator : TP/UM
Sample : G2860-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4DL

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	18.693	2722	2724	2727	rVV2	41938	50018	1.84%	0.161%
73	18.734	2728	2731	2736	rVB4	52969	70968	2.61%	0.228%
74	18.816	2741	2745	2750	rBV2	87876	146122	5.37%	0.469%
75	18.957	2766	2769	2777	rBV5	63652	116685	4.29%	0.375%
76	19.086	2785	2791	2796	rVB	1987337	2722774	100.00%	8.748%
77	19.180	2805	2807	2811	rVB4	49026	55012	2.02%	0.177%
78	19.327	2829	2832	2836	rVB	52258	65730	2.41%	0.211%
79	19.421	2843	2848	2849	rBV	465660	635078	23.32%	2.041%
80	19.451	2849	2853	2861	rVV	1666187	2349543	86.29%	7.549%
81	19.521	2861	2865	2873	rVB2	91954	156613	5.75%	0.503%
82	19.627	2879	2883	2889	rBV	116877	182461	6.70%	0.586%
83	19.686	2890	2893	2898	rVB	91344	132325	4.86%	0.425%
84	19.780	2903	2909	2914	rBV3	106791	288981	10.61%	0.929%
85	19.944	2934	2937	2942	rVB	221970	309071	11.35%	0.993%
86	20.044	2950	2954	2958	rBV	183381	253954	9.33%	0.816%
87	20.103	2959	2964	2968	rVV3	165976	273379	10.04%	0.878%
88	20.244	2984	2988	2992	rBV	86431	117491	4.32%	0.378%
89	20.291	2992	2996	3000	rVV2	87260	122686	4.51%	0.394%
90	20.690	3062	3064	3072	rVB	97725	144488	5.31%	0.464%
91	20.902	3097	3100	3103	rBV	122431	132909	4.88%	0.427%
92	20.943	3103	3107	3111	rVB3	101597	167617	6.16%	0.539%
93	21.207	3146	3152	3157	rBV3	1247181	2498488	91.76%	8.028%
94	21.254	3157	3160	3169	rVB	722189	907376	33.33%	2.915%
95	21.366	3176	3179	3184	rBV	142049	208142	7.64%	0.669%
96	22.776	3413	3419	3424	rBV2	519035	1200543	44.09%	3.857%
97	22.946	3444	3448	3453	rVB4	99400	162314	5.96%	0.522%
98	23.252	3495	3500	3506	rBV	288019	520142	19.10%	1.671%
99	23.352	3511	3517	3523	rVB	512601	983212	36.11%	3.159%
100	23.446	3527	3533	3538	rBV2	610011	1145169	42.06%	3.680%

Sum of corrected areas: 31122915

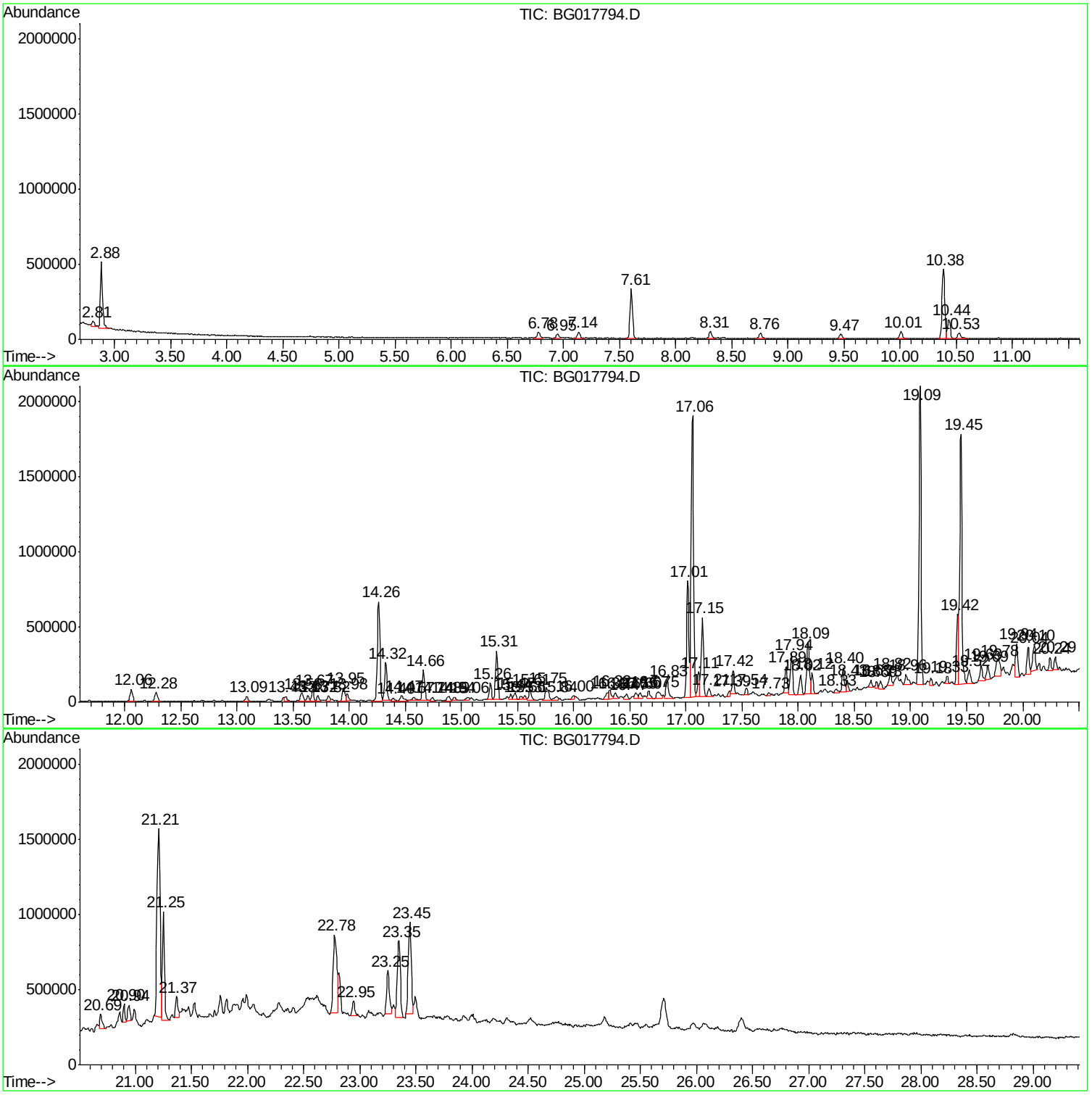
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017794.D
Acq On : 7 Jul 2015 13:47
Operator : TP/UM
Sample : G2860-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4DL

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\BG070715\
Data File : BG017794.D
Acq On : 7 Jul 2015 13:47
Operator : TP/UM
Sample : G2860-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4DL

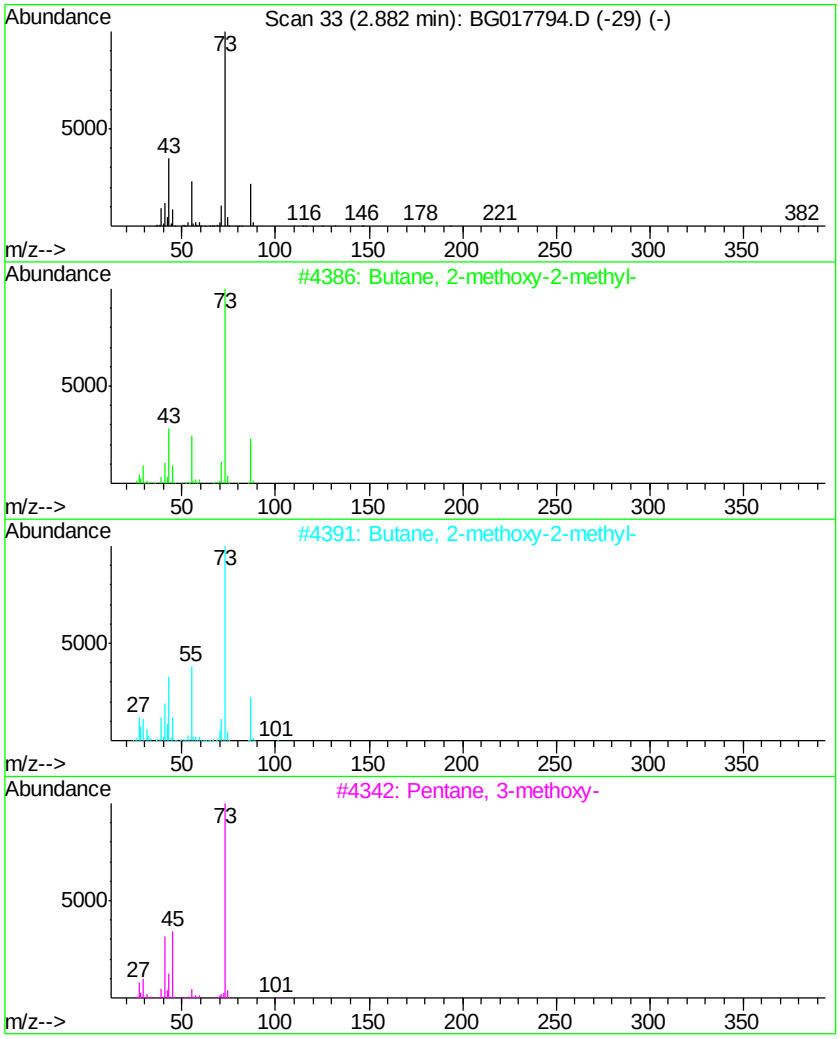
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

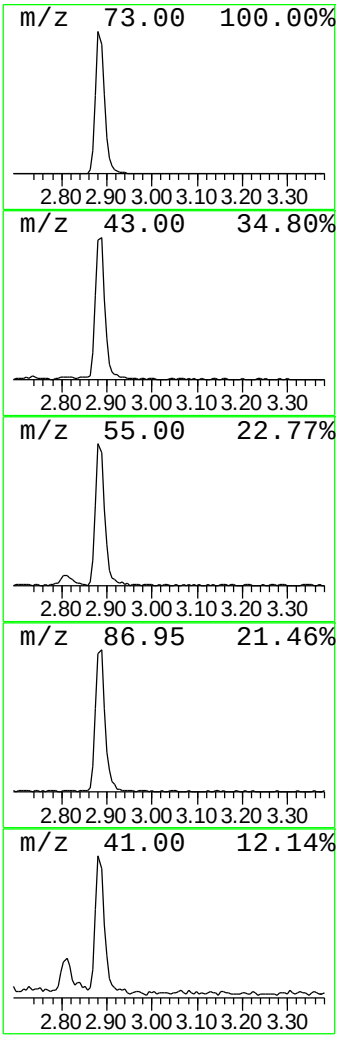
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.88	24.07 ng/ul	612677	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	86
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	74
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017794.D
Acq On : 7 Jul 2015 13:47
Operator : TP/UM
Sample : G2860-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4DL

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

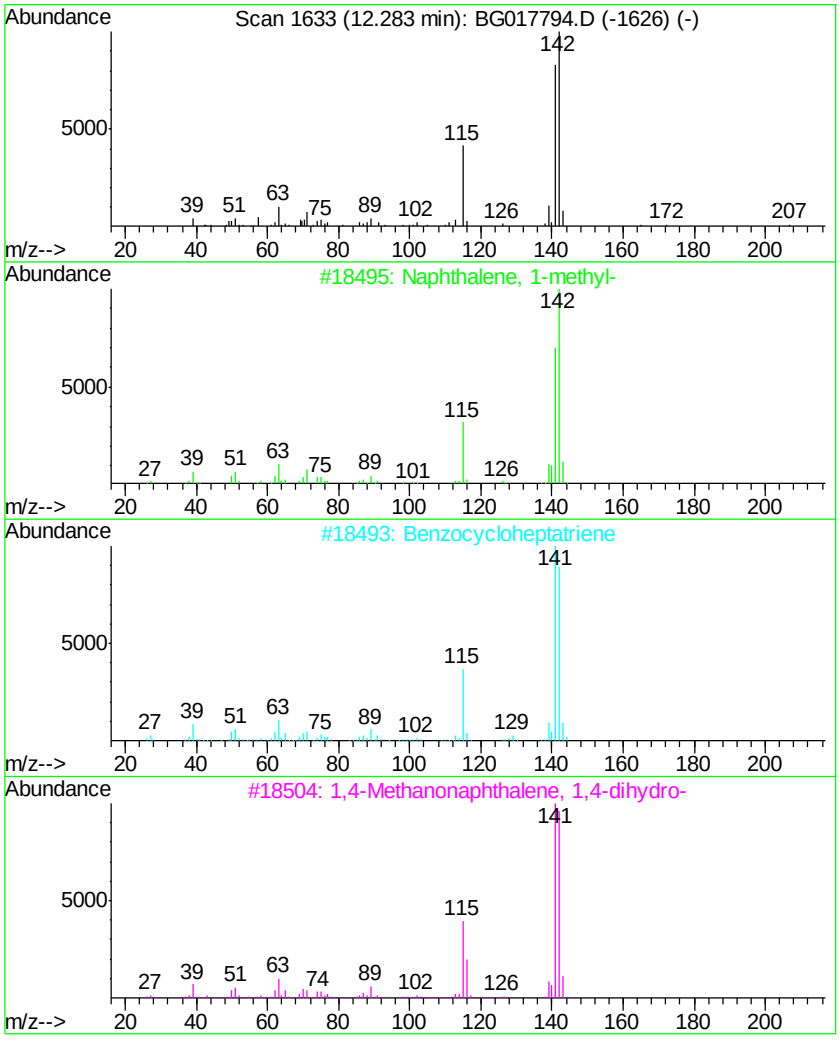
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

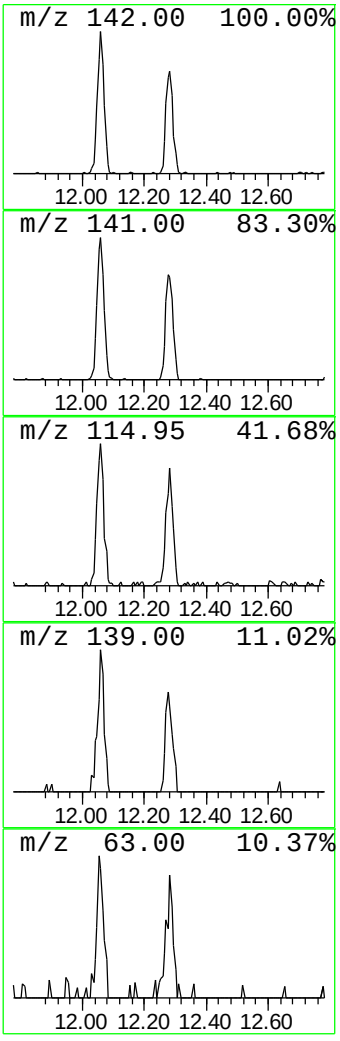
****

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	2.60 ng/ul	101649	Naphthalene-d8	10.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
2	Benzocycloheptatriene	142	C11H10	000264-09-5	91
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	87
5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	87





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017794.D
Acq On : 7 Jul 2015 13:47
Operator : TP/UM
Sample : G2860-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4DL

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

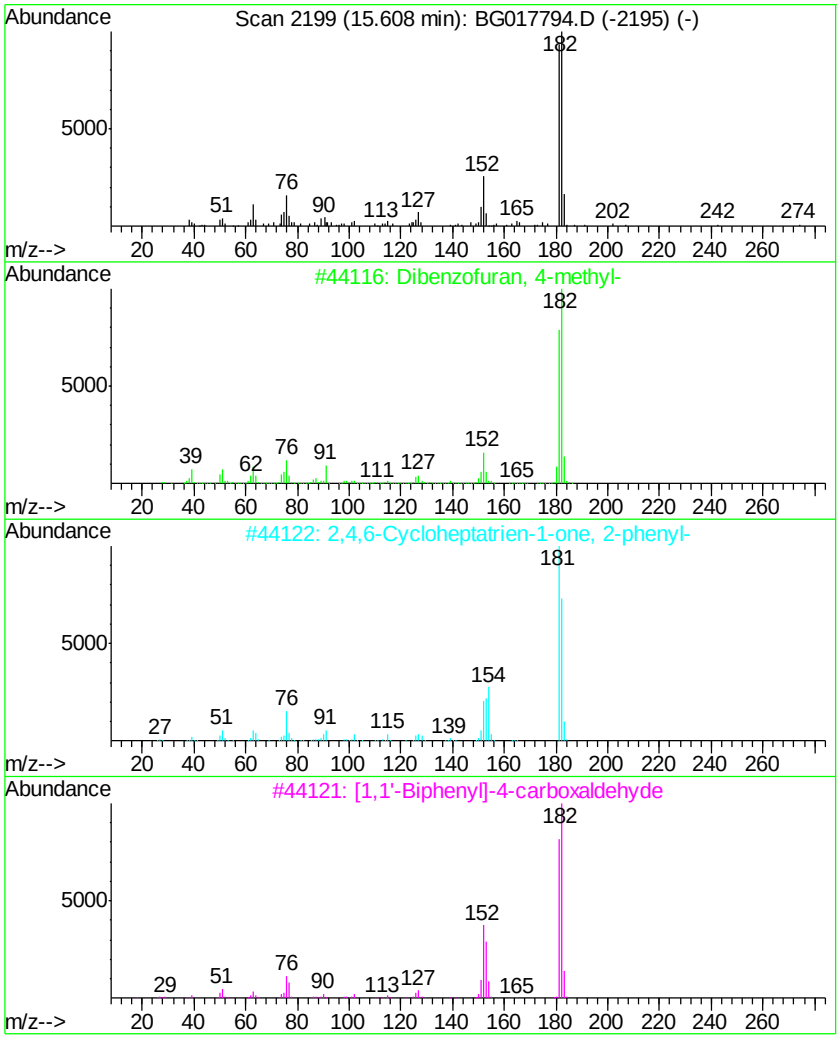
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

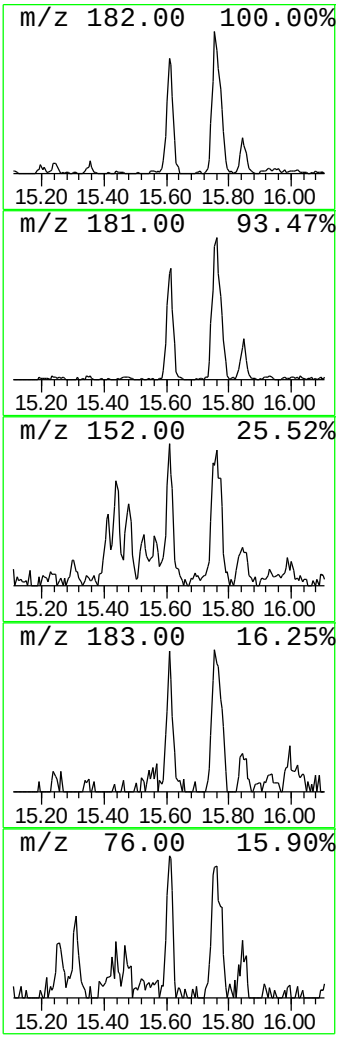
****

Peak Number 4 Dibenzofuran, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.61	2.24 ng/ul	118092	Acenaphthene-d10	14.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	90
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
4	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017794.D
Acq On : 7 Jul 2015 13:47
Operator : TP/UM
Sample : G2860-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4DL

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

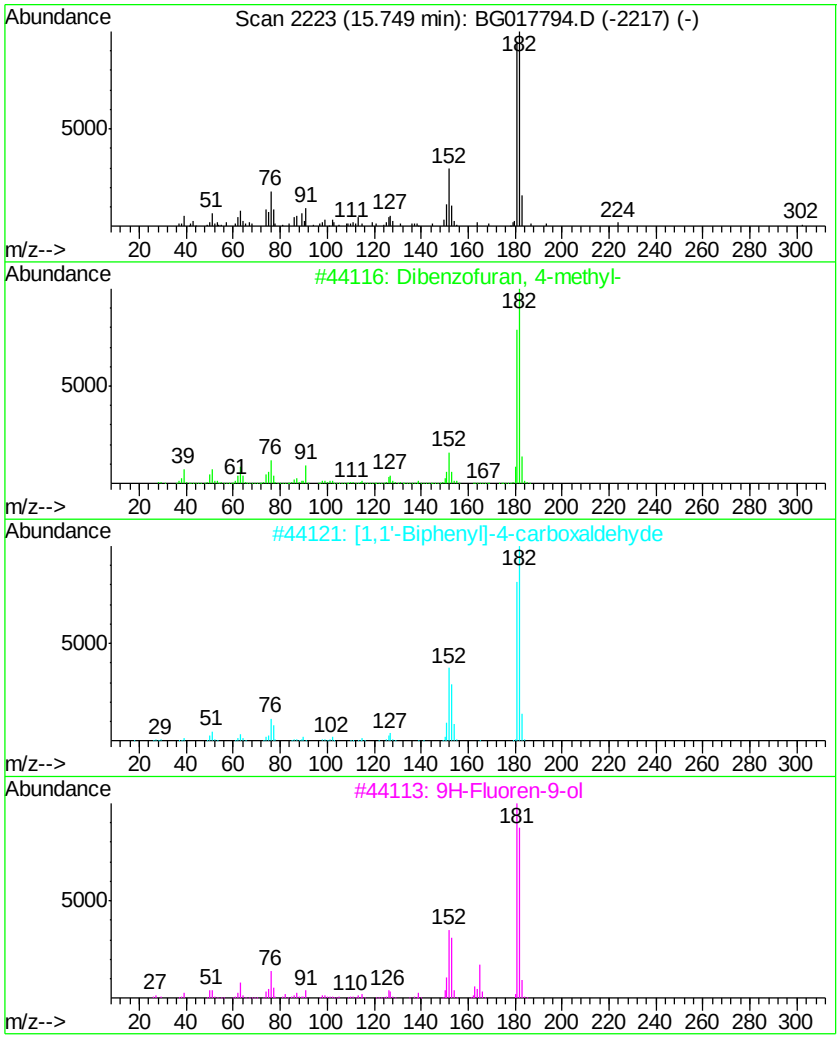
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

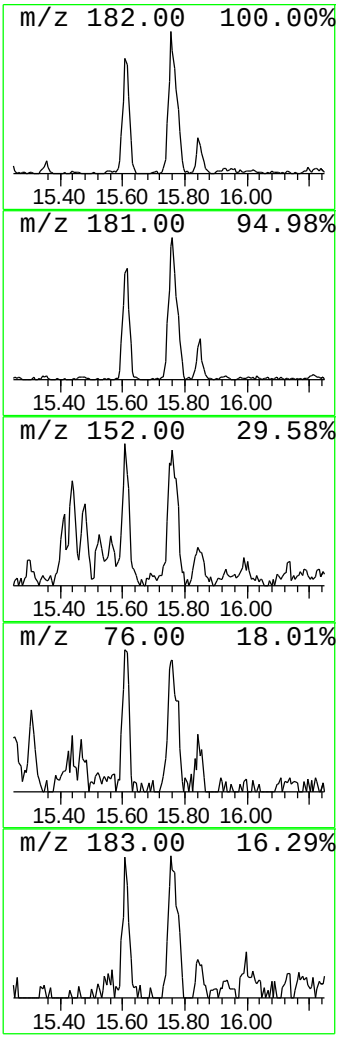
****

Peak Number 5 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.75	3.01 ng/ul	179136	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	80
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017794.D
Acq On : 7 Jul 2015 13:47
Operator : TP/UM
Sample : G2860-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4DL

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

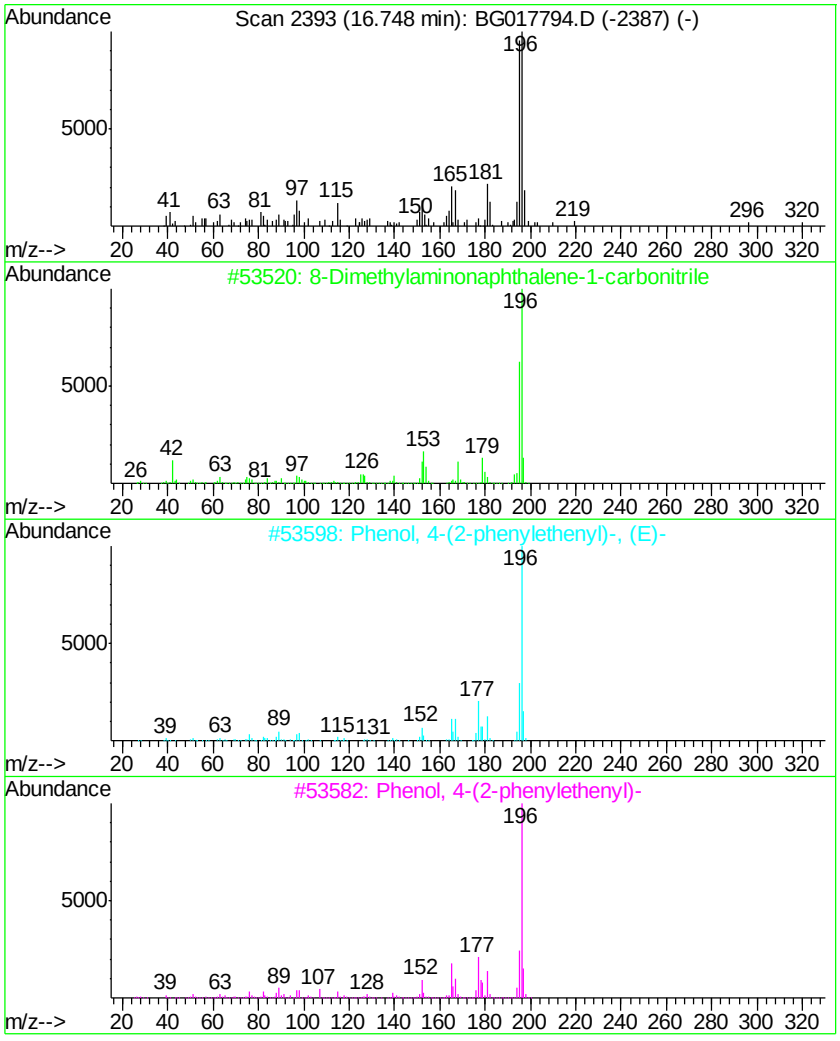
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

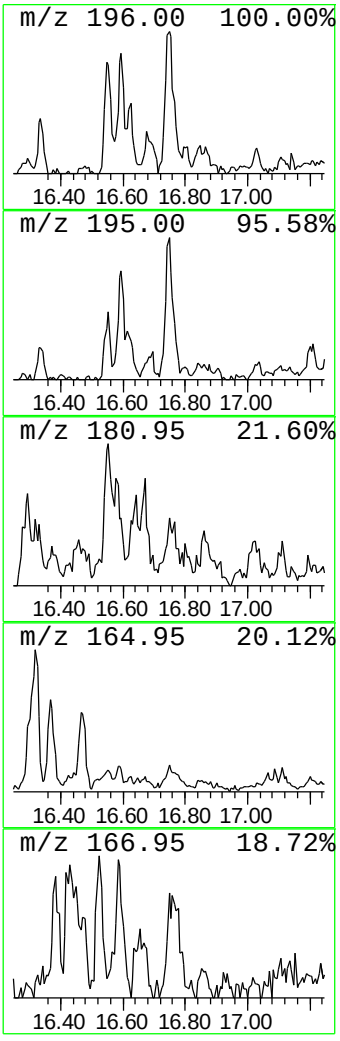
****

Peak Number 6 8-Dimethylaminonaphthalene-... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.75	2.10 ng/ul	124990	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	68
2	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	60
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	53
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	53
5	.beta.-Carboline, 1,2-dimethyl-	196	C13H12N2	109847-05-4	43





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Data File : BG017794.D
Acq On : 7 Jul 2015 13:47
Operator : TP/UM
Sample : G2860-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4DL

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

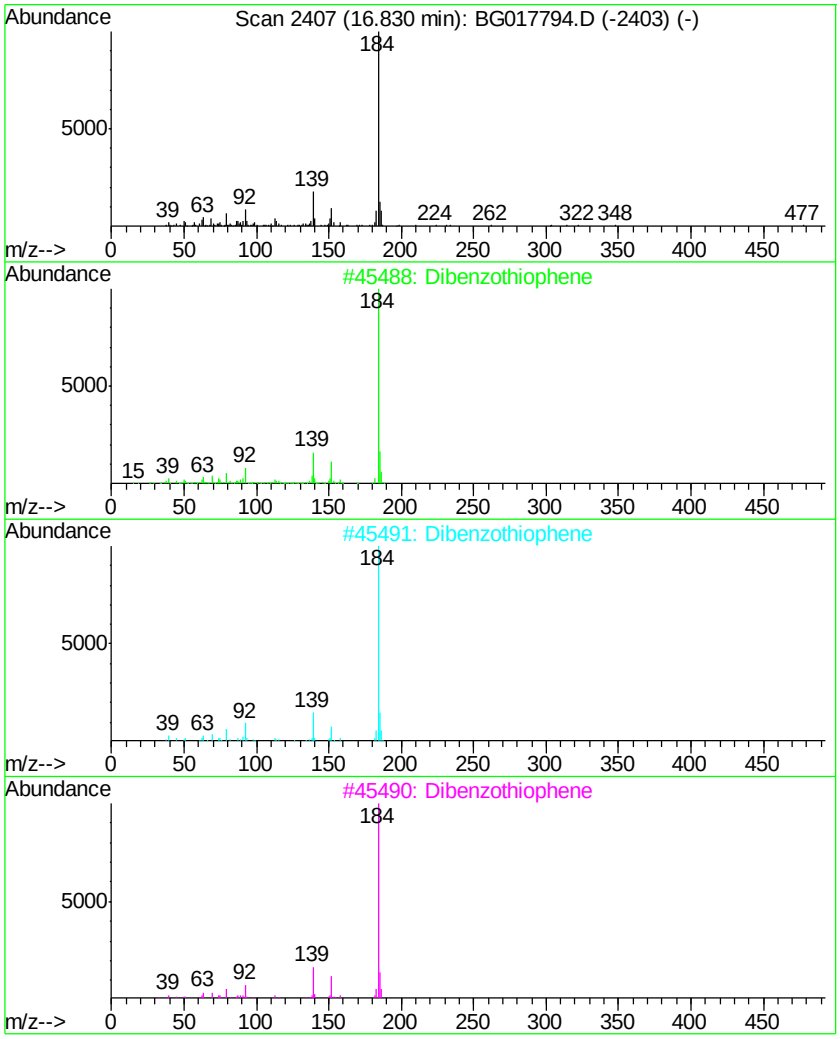
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

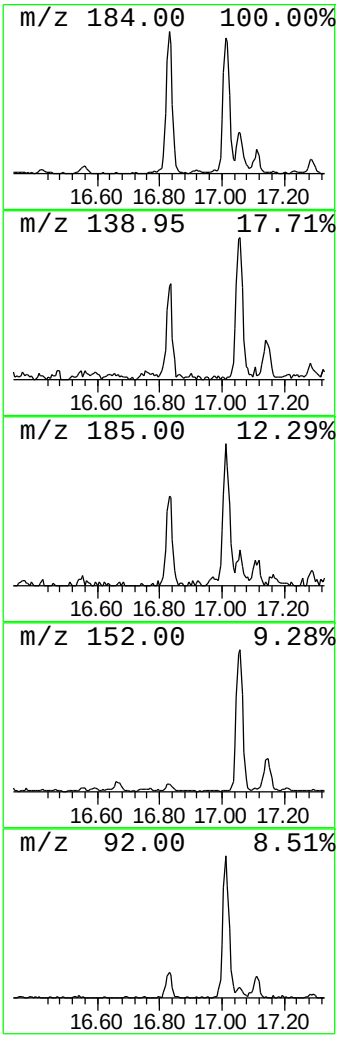
****

Peak Number 7 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.83	3.30 ng/ul	196187	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	97
3	Dibenzothiophene	184	C12H8S	000132-65-0	96
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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Sample : G2860-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4DL

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

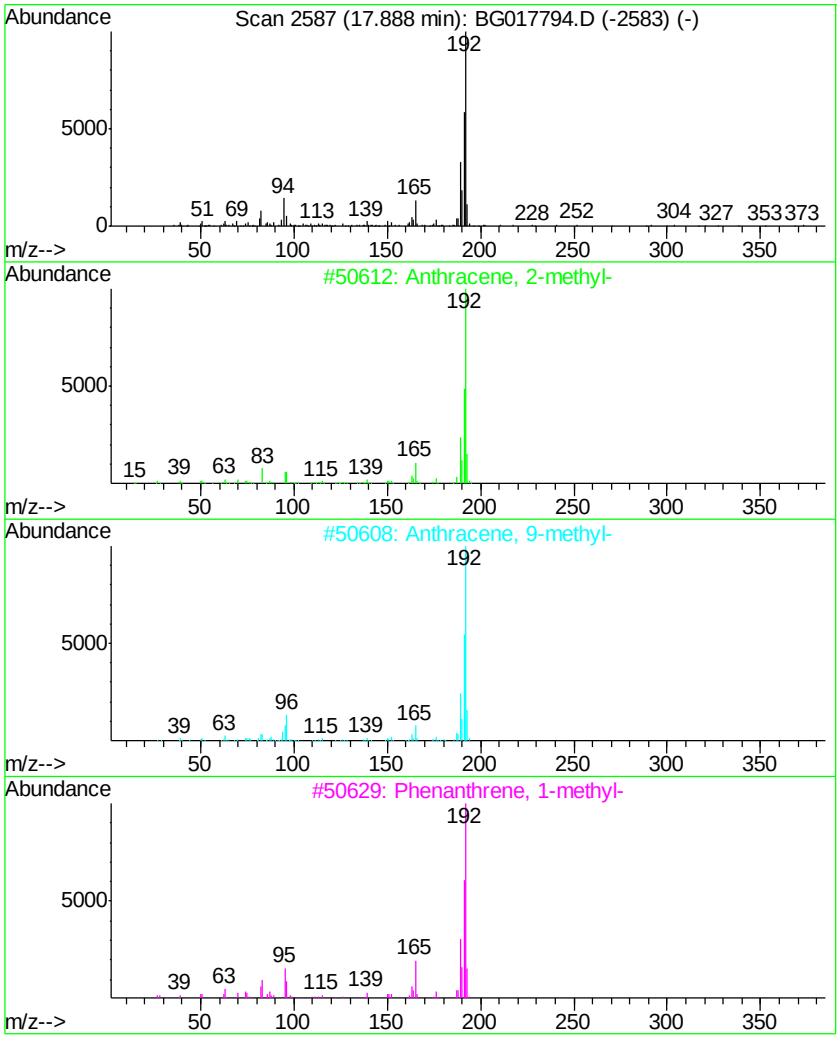
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

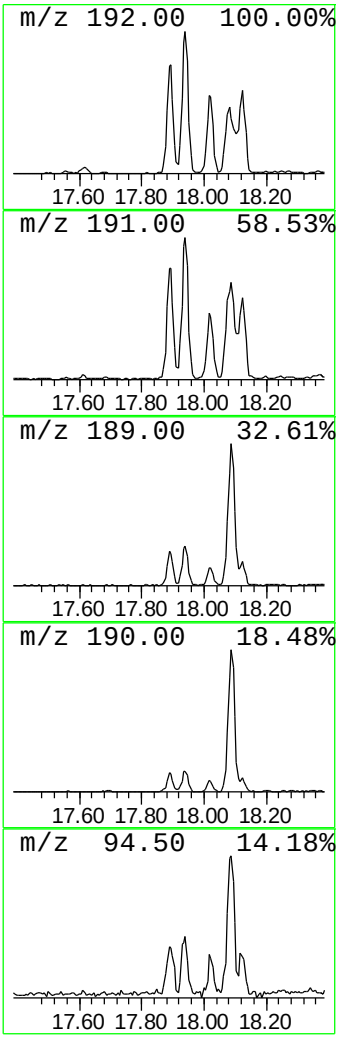
****

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	4.34 ng/ul	258243	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89





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Sample : G2860-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4DL

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

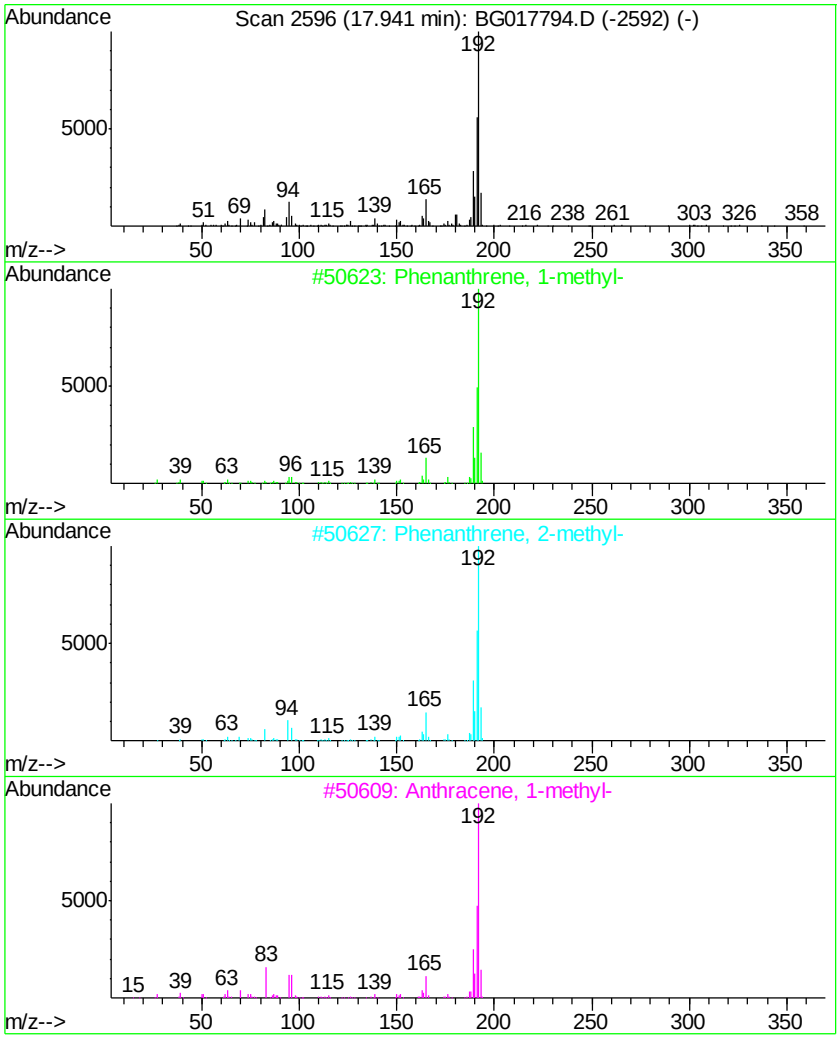
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

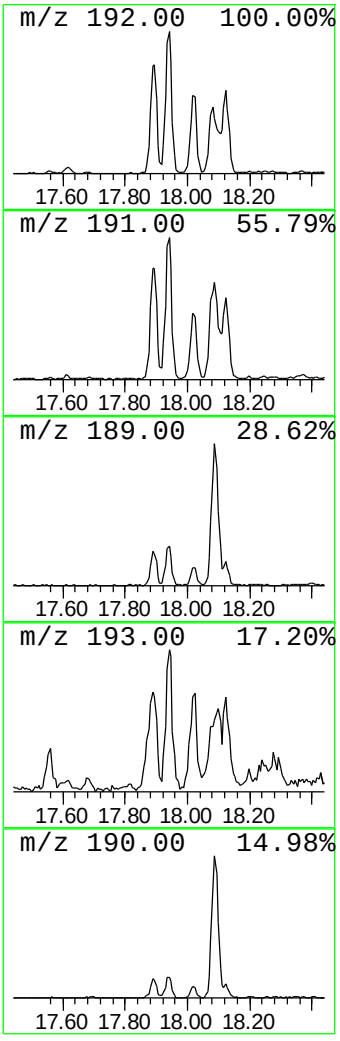
****

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	6.72 ng/ul	399456	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





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Acq On : 7 Jul 2015 13:47
Operator : TP/UM
Sample : G2860-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4DL

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

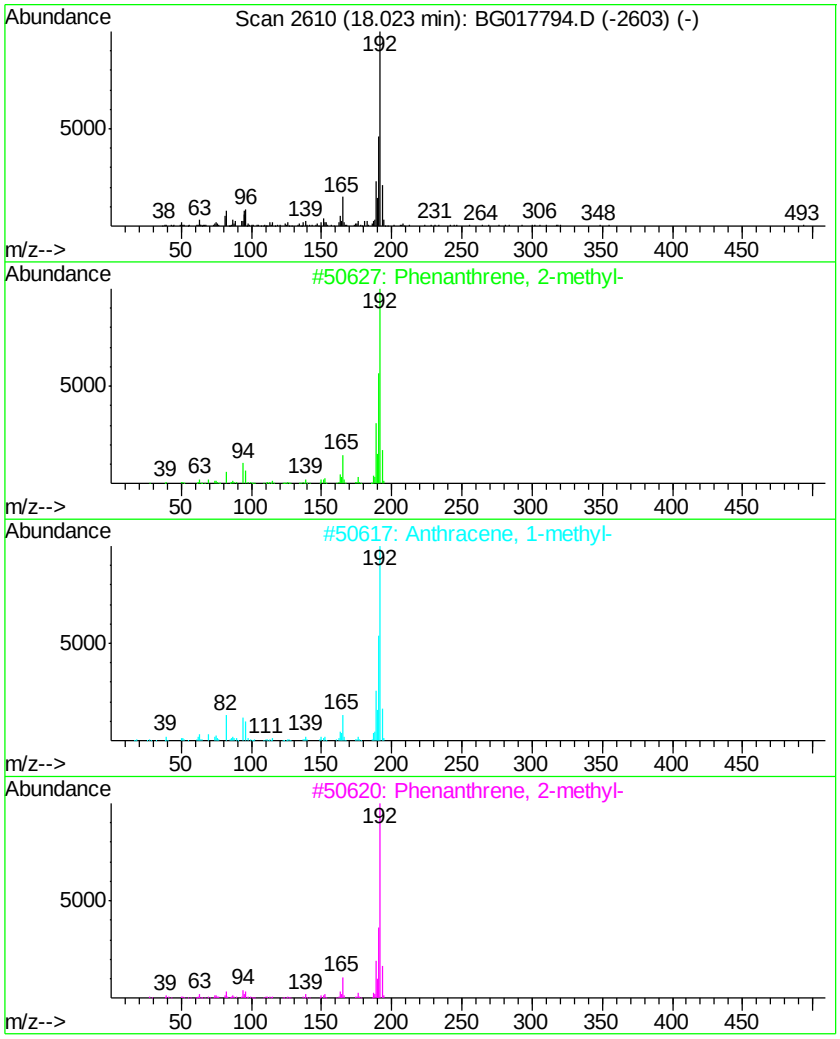
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

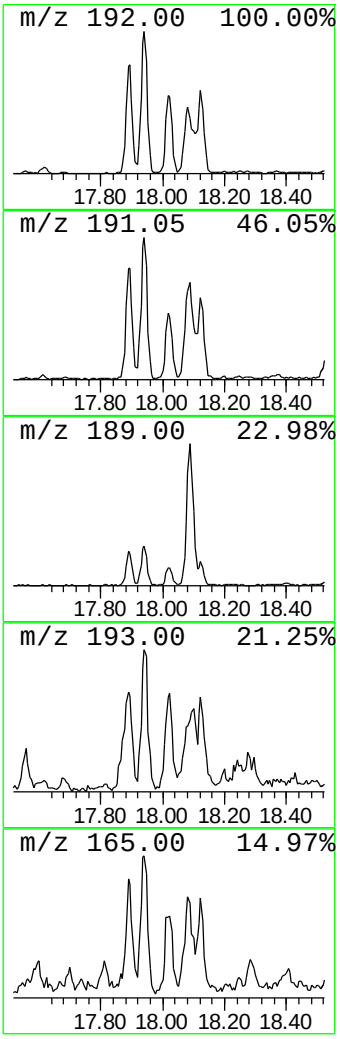
****

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	3.56 ng/ul	211708	Phenanthrene-d10	17.01

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





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Operator : TP/UM
Sample : G2860-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4DL

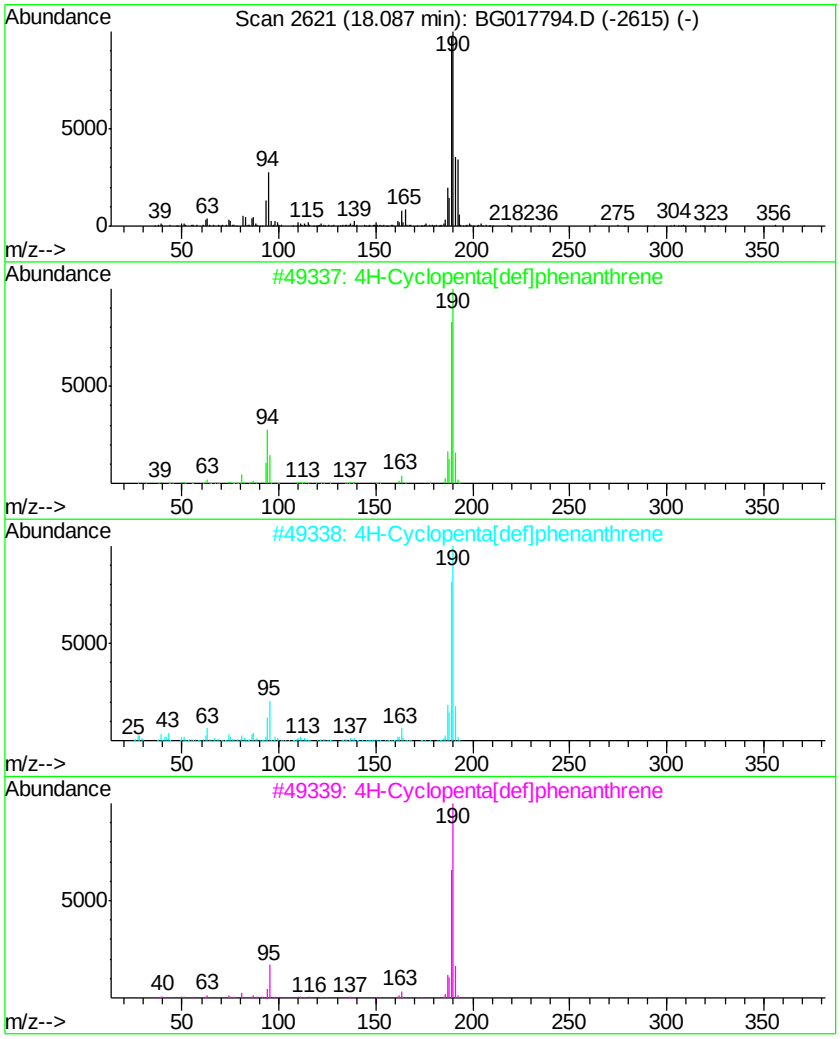
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

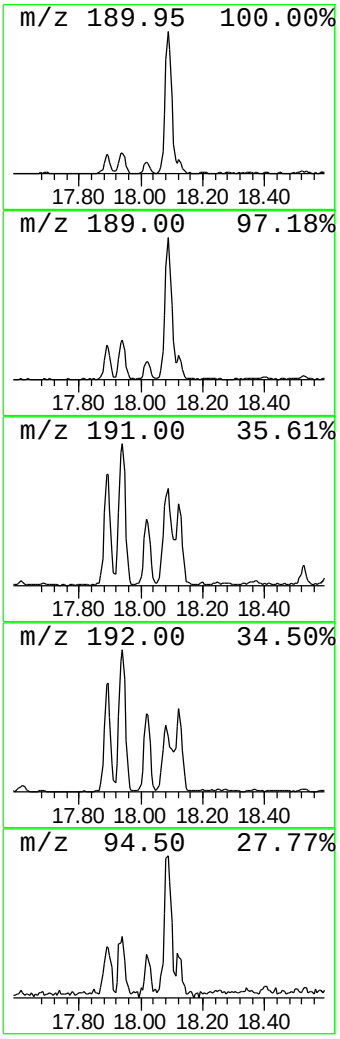
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	10.22 ng/ul	607437	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	59
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50





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Sample : G2860-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4DL

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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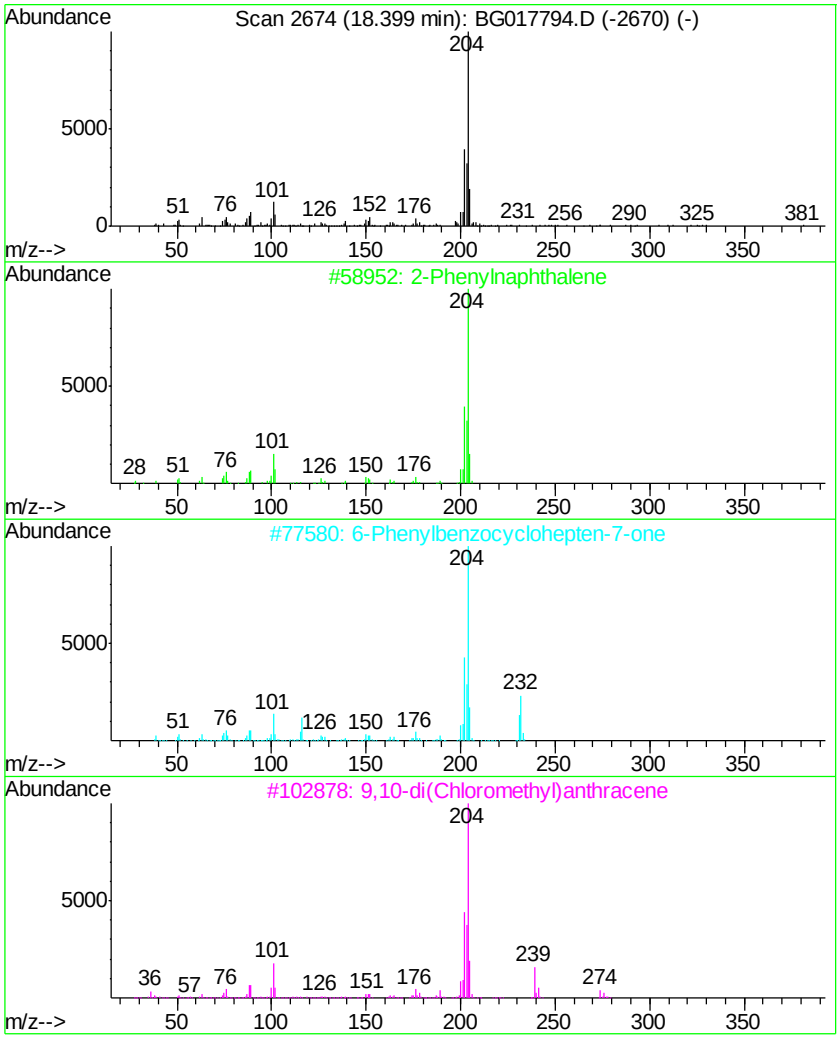
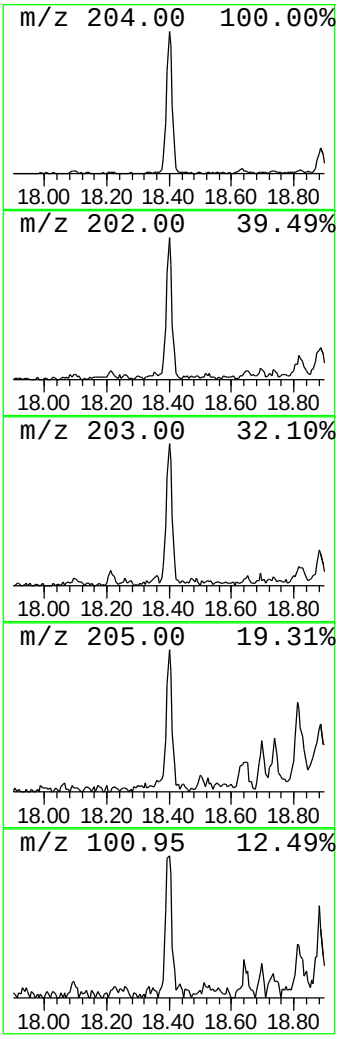
Peak Number 13 2-Phenylnaphthalene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.40	3.76 ng/ul	223475	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	96
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	91
3	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	91
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86





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Acq On : 7 Jul 2015 13:47
Operator : TP/UM
Sample : G2860-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4DL

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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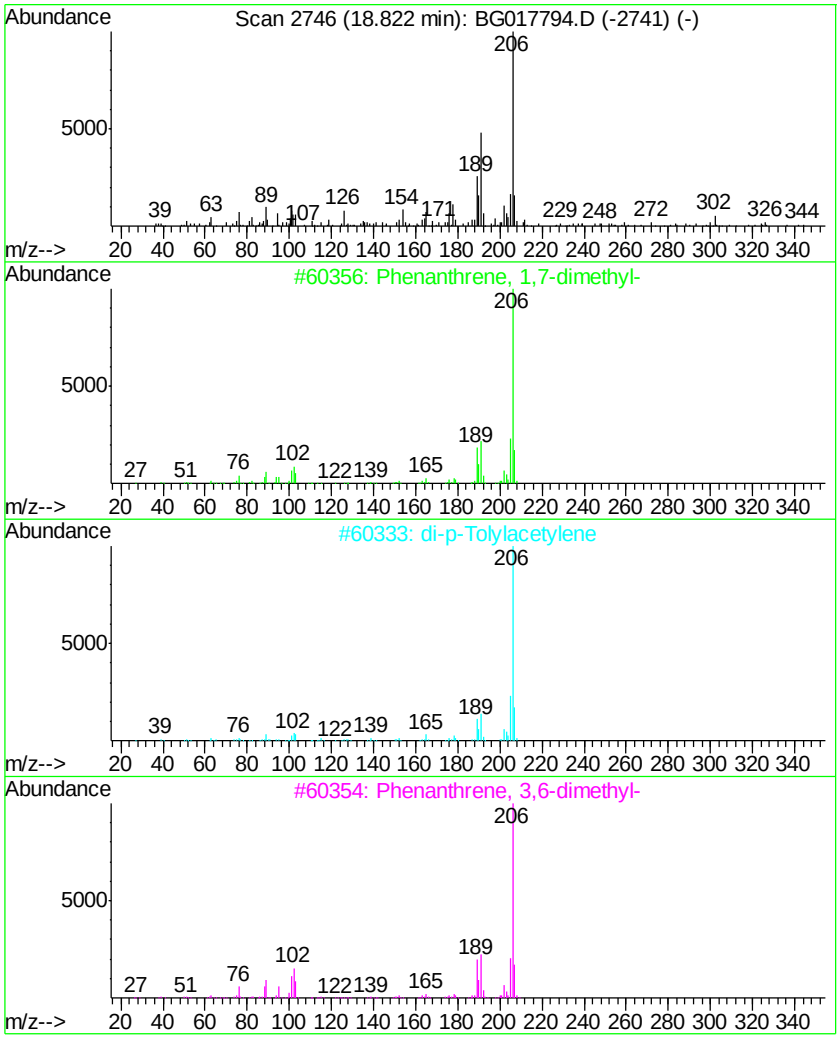
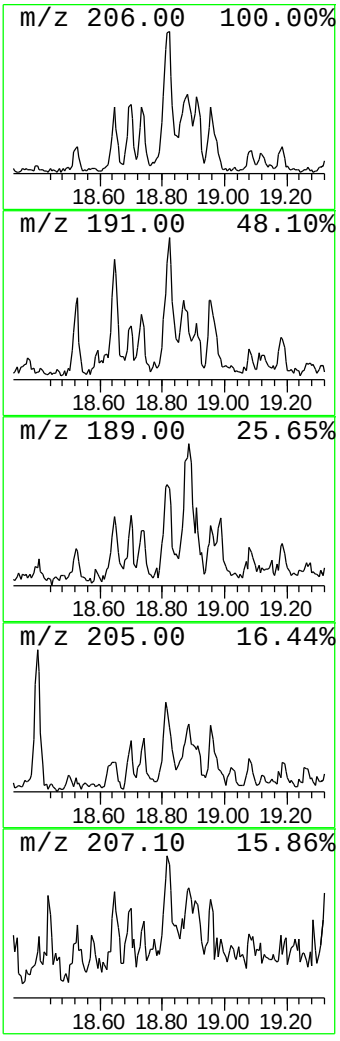
Peak Number 14 Phenanthrene, 1,7-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	2.46 ng/ul	146122	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91





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Operator : TP/UM
Sample : G2860-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4DL

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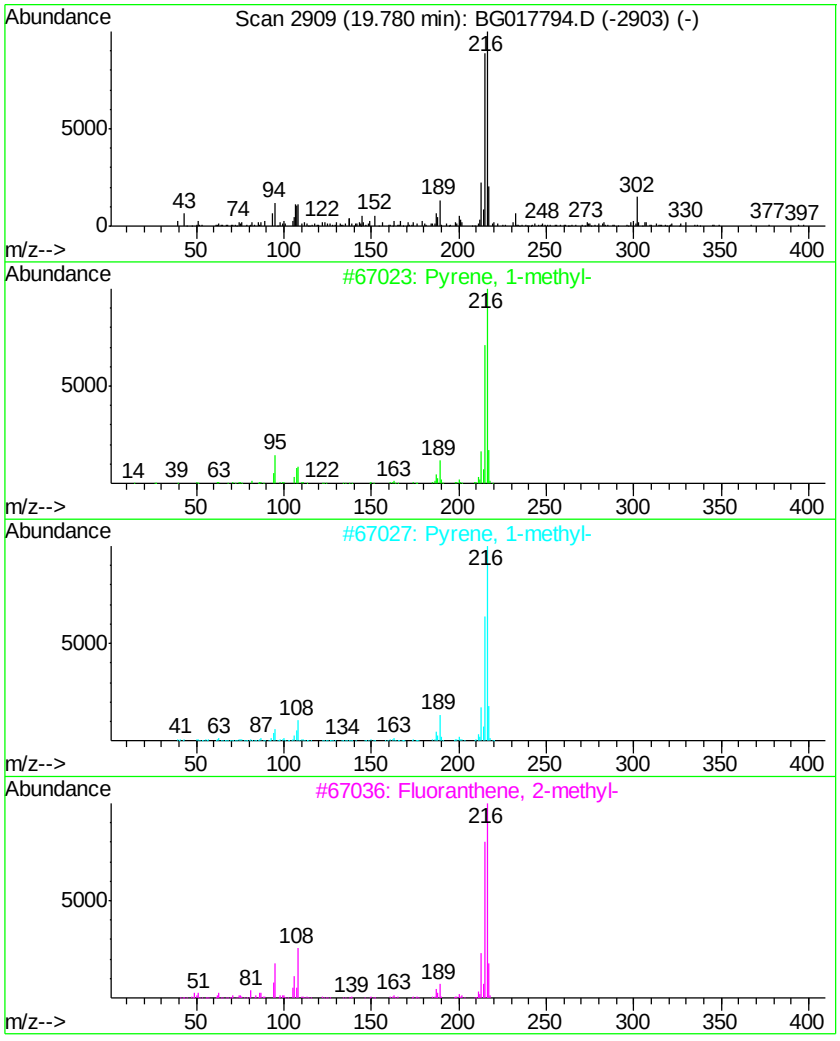
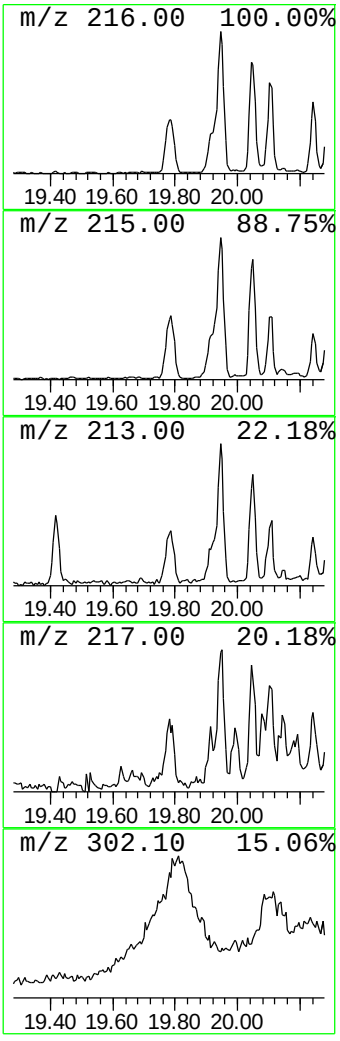
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.78	2.31 ng/ul	288981	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83





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Sample : G2860-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4DL

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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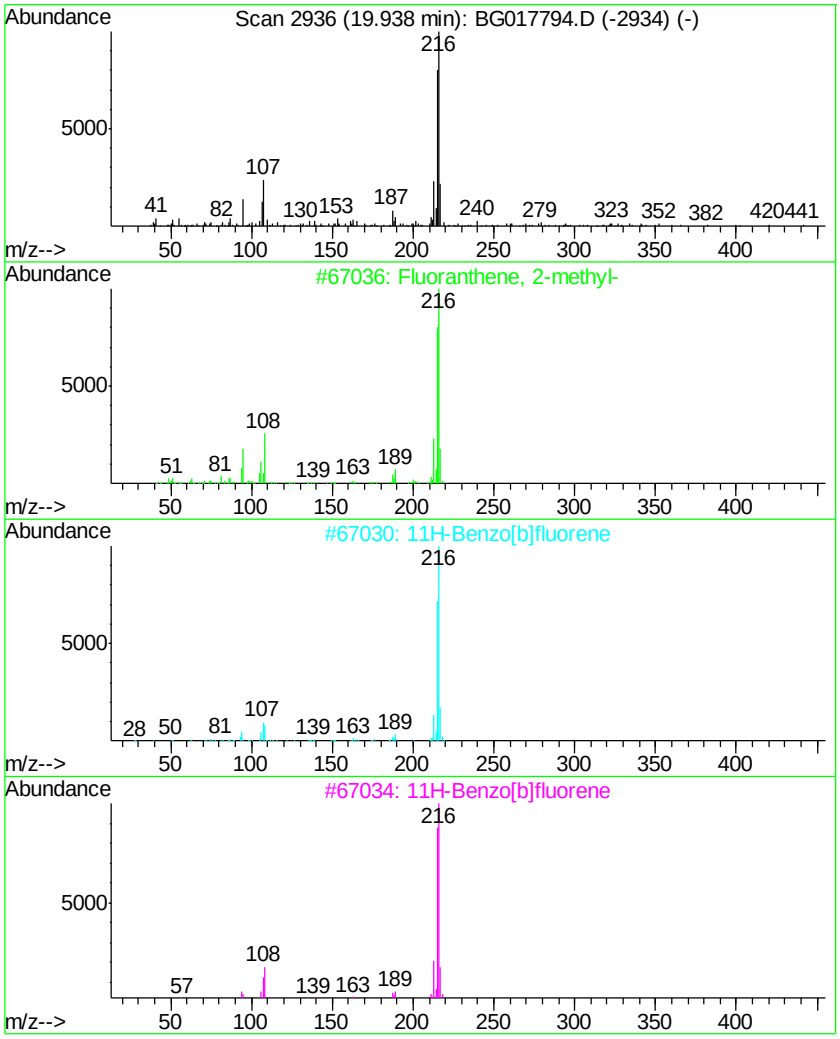
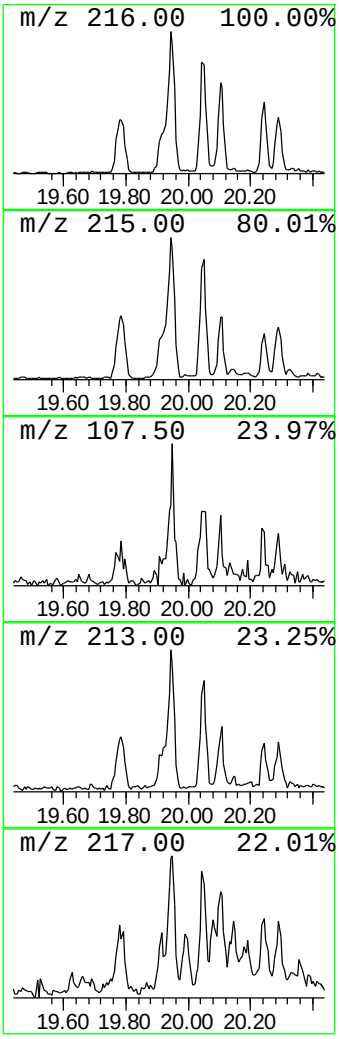
Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	2.47 ng/ul	309071	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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Acq On : 7 Jul 2015 13:47
Operator : TP/UM
Sample : G2860-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4DL

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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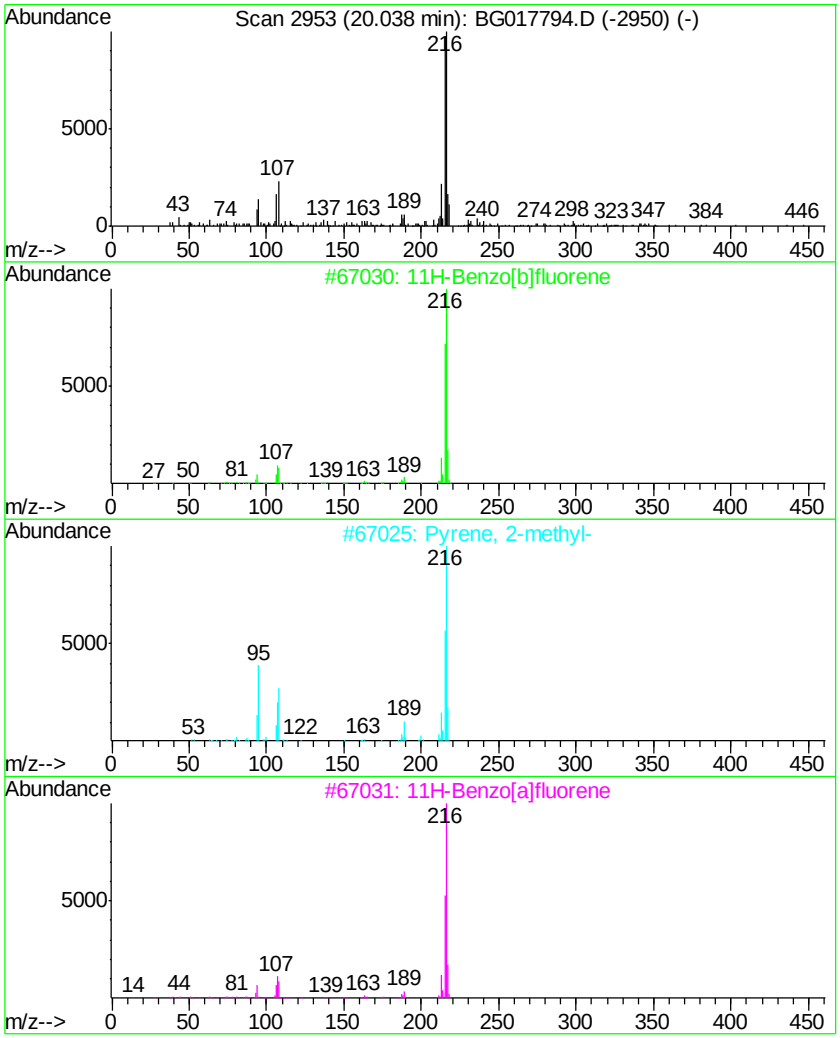
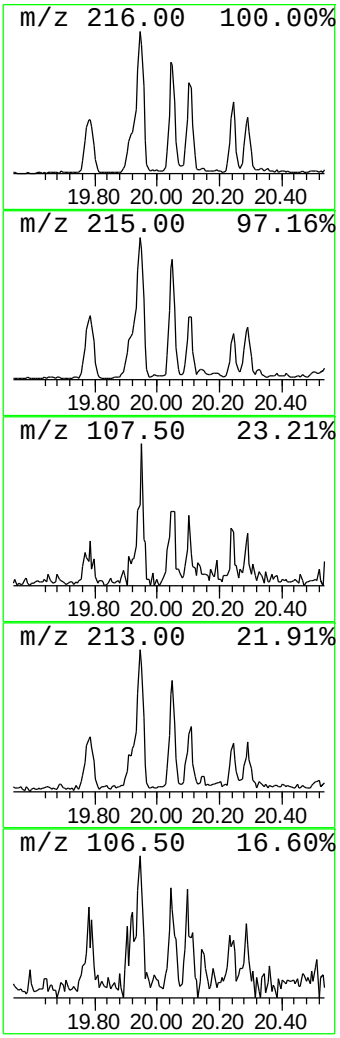
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.04	2.03 ng/ul	253954	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





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Sample : G2860-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4DL

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Quant Title : SVOA CALIBRATION

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

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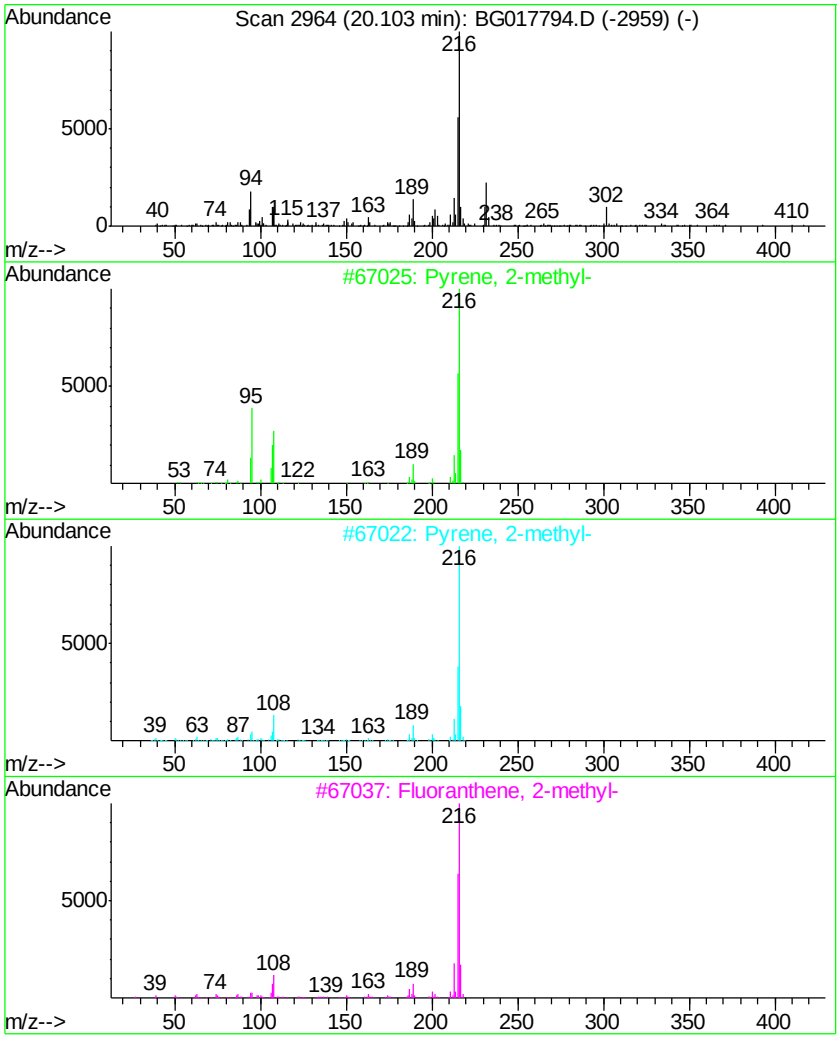
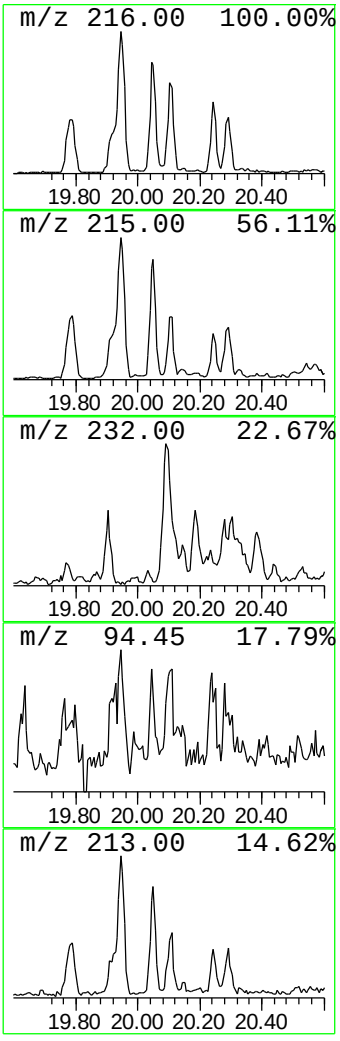
Peak Number 18 Pyrene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	2.19 ng/ul	273379	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	62
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017794.D
Acq On : 7 Jul 2015 13:47
Operator : TP/UM
Sample : G2860-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4DL

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	24.1	ng/ul	612677	1	7.61	509087	20.0
Naphthalene, 1-me...	12.28	2.6	ng/ul	101649	2	10.38	783038	20.0
Dibenzofuran, 4-m...	15.61	2.2	ng/ul	118092	3	14.26	1052480	20.0
[1,1'-Biphenyl]-4...	15.75	3.0	ng/ul	179136	4	17.01	1189100	20.0
8-Dimethylaminona...	16.75	2.1	ng/ul	124990	4	17.01	1189100	20.0
Dibenzothiophene	16.83	3.3	ng/ul	196187	4	17.01	1189100	20.0
Anthracene, 2-met...	17.89	4.3	ng/ul	258243	4	17.01	1189100	20.0
Phenanthrene, 1-m...	17.94	6.7	ng/ul	399456	4	17.01	1189100	20.0
Phenanthrene, 2-m...	18.02	3.6	ng/ul	211708	4	17.01	1189100	20.0
4H-Cyclopenta[def...	18.09	10.2	ng/ul	607437	4	17.01	1189100	20.0
2-Phenylnaphthalene	18.40	3.8	ng/ul	223475	4	17.01	1189100	20.0
Phenanthrene, 1,7...	18.82	2.5	ng/ul	146122	4	17.01	1189100	20.0
Pyrene, 1-methyl-	19.78	2.3	ng/ul	288981	5	21.21	2498490	20.0
Fluoranthene, 2-m...	19.94	2.5	ng/ul	309071	5	21.21	2498490	20.0
11H-Benzo[b]fluorene	20.04	2.0	ng/ul	253954	5	21.21	2498490	20.0
Pyrene, 2-methyl-	20.10	2.2	ng/ul	273379	5	21.21	2498490	20.0