LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG040215\
Data File : BG016221.D
Acq On : 2 Apr 2015 12:36
Operator : TP/IZ
Sample : G1647-09DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8DL

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\SOM01.2-EPA-BG033115.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	2.798	14	19	24	rBV	48210	82594	2.27%	0.215%
2	2.875	29	32	38	rVB	40088	50085	1.38%	0.131%
3	7.692	846	852	861	rBV	254158	392530	10.80%	1.023%
4	10.489	1319	1328	1333	rBV	360936	604261	16.62%	1.575%
5	12.152	1604	1611	1618	rBV	27486	43423	1.19%	0.113%
6	12.375	1642	1649	1655	rBV	43205	65115	1.79%	0.170%
7	13.174	1777	1785	1790	rBV	30433	43178	1.19%	0.113%
8	13.503	1835	1841	1843	rBV3	30970	50332	1.38%	0.131%
9	13.662	1861	1868	1873	rBV2	55007	95070	2.61%	0.248%
10	13.715	1873	1877	1880	rVV	40578	54120	1.49%	0.141%
11	13.750	1880	1883	1888	rVV	36987	49575	1.36%	0.129%
12	13.897	1905	1908	1912	rVV	29102	40677	1.12%	0.106%
13	14.032	1924	1931	1935	rBV	46586	73535	2.02%	0.192%
14	14.343	1975	1984	1990	rVV2	569455	849338	23.36%	2.214%
15	14.408	1990	1995	2003	rVV	298147	442317	12.17%	1.153%
16	14.549	2013	2019	2028	rVB4	26289	52177	1.44%	0.136%
17	14.743	2046	2052	2058	rVB	212848	305029	8.39%	0.795%
18	15.336	2145	2153	2157	rVV2	60232	101826	2.80%	0.265%
19	15.389	2157	2162	2171	rVV	406224	580937	15.98%	1.515%
20	15.483	2171	2178	2180	rVV6	26823	48372	1.33%	0.126%
21	15.513	2180	2183	2186	rVV	43192	61948	1.70%	0.162%
22	15.554	2186	2190	2194	rVV2	65150	98933	2.72%	0.258%
23	15.636	2201	2204	2208	rVV	31993	49759	1.37%	0.130%
24	15.683	2208	2212	2220	rVB	87773	125005	3.44%	0.326%
25	15.830	2231	2237	2245	rVV	93523	190182	5.23%	0.496%
26	15.924	2245	2253	2259	rVB4	18523	44794	1.23%	0.117%
27	16.059	2268	2276	2283	rVB7	36200	75440	2.07%	0.197%
28	16.394	2322	2333	2337	rBV2	75314	157014	4.32%	0.409%
29	16.441	2337	2341	2347	rVB3	30906	46586	1.28%	0.121%
30	16.541	2352	2358	2362	rVB3	34808	62117	1.71%	0.162%
31	16.623	2363	2372	2375	rBV3	38915	85211	2.34%	0.222%
32	16.658	2375	2378	2382	rVB2	36304	45334	1.25%	0.118%
33	16.741	2388	2392	2399	rVB4	25928	45296	1.25%	0.118%
34	16.817	2399	2405	2408	rBV2	45305	77868	2.14%	0.203%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG040215\
Data File : BG016221.D
Acq On : 2 Apr 2015 12:36
Operator : TP/IZ
Sample : G1647-09DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8DL

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\SOM01.2-EPA-BG033115.M
Title : SVOA CALIBRATION

35	16.905	2416	2420	2429	rVB	113072	176512	4.85%	0.460%
36	17.087	2445	2451	2454	rBV	685466	972401	26.74%	2.535%
37	17.128	2454	2458	2464	rVV	2023444	2848959	78.35%	7.427%
38	17.187	2464	2468	2469	rVV2	85225	110369	3.04%	0.288%
39	17.217	2469	2473	2479	rVB	738897	1036000	28.49%	2.701%
40	17.275	2479	2483	2489	rBV3	50566	79348	2.18%	0.207%
41	17.487	2515	2519	2524	rVB	159401	210303	5.78%	0.548%
42	17.604	2533	2539	2543	rBV4	36638	59576	1.64%	0.155%
43	17.663	2545	2549	2557	rVB6	22918	49914	1.37%	0.130%
44	17.957	2590	2599	2603	rBV	195535	302166	8.31%	0.788%
45	18.010	2603	2608	2614	rVB	292686	419526	11.54%	1.094%
46	18.086	2615	2621	2626	rBV	173820	260436	7.16%	0.679%
47	18.157	2627	2633	2637	rBV2	457392	729690	20.07%	1.902%
48	18.192	2637	2639	2645	rVB	128580	144215	3.97%	0.376%
49	18.462	2680	2685	2689	rVV	168849	212163	5.84%	0.553%
50	18.503	2689	2692	2696	rVB	34558	45572	1.25%	0.119%
51	18.709	2723	2727	2731	rVV	51621	71743	1.97%	0.187%
52	18.756	2732	2735	2739	rVV	41977	63597	1.75%	0.166%
53	18.797	2739	2742	2746	rVB2	46082	55463	1.53%	0.145%
54	18.879	2751	2756	2763	rBV2	90989	187205	5.15%	0.488%
55	18.950	2764	2768	2771	rVV	49794	63387	1.74%	0.165%
56	19.020	2776	2780	2789	rVB2	74205	149274	4.11%	0.389%
57	19.150	2796	2802	2808	rBV	2697709	3635977	100.00%	9.479%
58	19.208	2809	2812	2815	rVV	33939	46476	1.28%	0.121%
59	19.244	2815	2818	2822	rVV2	66286	83043	2.28%	0.216%
60	19.338	2829	2834	2837	rBV5	33939	64712	1.78%	0.169%
61	19.390	2837	2843	2853	rVB2	78174	194865	5.36%	0.508%
62	19.484	2853	2859	2860	rBV3	557643	798185	21.95%	2.081%
63	19.514	2860	2864	2872	rVV	2037540	2981713	82.01%	7.774%
64	19.578	2872	2875	2884	rVB2	104293	167458	4.61%	0.437%
65	19.684	2889	2893	2899	rVV	131484	181273	4.99%	0.473%
66	19.749	2900	2904	2909	rVB	121586	162548	4.47%	0.424%
67	19.837	2912	2919	2925	rBV5	135350	348246	9.58%	0.908%
68	19.890	2925	2928	2932	rVV2	47820	52294	1.44%	0.136%
69	19.966	2938	2941	2942	rBV3	54188	53641	1.48%	0.140%
70	20.002	2943	2947	2952	rVB	426139	589603	16.22%	1.537%
71	20.101	2960	2964	2968	rBV	420086	546515	15.03%	1.425%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG040215\
Data File : BG016221.D
Acq On : 2 Apr 2015 12:36
Operator : TP/IZ
Sample : G1647-09DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8DL

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\SOM01.2-EPA-BG033115.M
Title : SVOA CALIBRATION

72	20.160	2968	2974	2978	rVB2	177316	293294	8.07%	0.765%
73	20.201	2978	2981	2984	rVB3	51974	57699	1.59%	0.150%
74	20.242	2985	2988	2993	rVB2	57783	72257	1.99%	0.188%
75	20.301	2995	2998	3001	rBV2	74496	86026	2.37%	0.224%
76	20.348	3002	3006	3010	rVB3	85497	113972	3.13%	0.297%
77	20.595	3045	3048	3050	rBV2	45615	53245	1.46%	0.139%
78	20.707	3064	3067	3071	rBV3	70067	102143	2.81%	0.266%
79	20.754	3072	3075	3080	rVB5	66925	113376	3.12%	0.296%
80	20.918	3099	3103	3105	rBV2	118899	146797	4.04%	0.383%
81	20.953	3105	3109	3112	rVV	167084	195618	5.38%	0.510%
82	20.989	3112	3115	3120	rVV2	173577	261275	7.19%	0.681%
83	21.253	3151	3160	3166	rBV3	1604689	3176212	87.36%	8.281%
84	21.306	3166	3169	3178	rVB	988690	1236178	34.00%	3.223%
85	21.418	3184	3188	3194	rBV	341168	423091	11.64%	1.103%
86	21.523	3204	3206	3210	rVB	105725	130782	3.60%	0.341%
87	21.576	3211	3215	3221	rVB2	127176	211449	5.82%	0.551%
88	21.811	3252	3255	3259	rVB	166174	224418	6.17%	0.585%
89	21.970	3278	3282	3286	rVV2	108211	135617	3.73%	0.354%
90	22.011	3286	3289	3292	rVV	91992	126526	3.48%	0.330%
91	22.046	3292	3295	3300	rVB3	164879	221226	6.08%	0.577%
92	22.105	3302	3305	3310	rVB3	94650	135568	3.73%	0.353%
93	22.845	3424	3431	3435	rBV	767019	1761275	48.44%	4.592%
94	23.016	3455	3460	3467	rVB	198102	319700	8.79%	0.833%
95	23.327	3507	3513	3519	rBV	406747	760727	20.92%	1.983%
96	23.421	3523	3529	3536	rVV	786291	1414456	38.90%	3.688%
97	23.521	3540	3546	3551	rVV2	540788	1059005	29.13%	2.761%
98	23.568	3551	3554	3562	rVB2	236605	440748	12.12%	1.149%
99	25.812	3928	3936	3949	rVB2	349987	1048801	28.85%	2.734%
100	26.517	4050	4056	4072	rVB2	216358	691503	19.02%	1.803%

Sum of corrected areas: 38357330

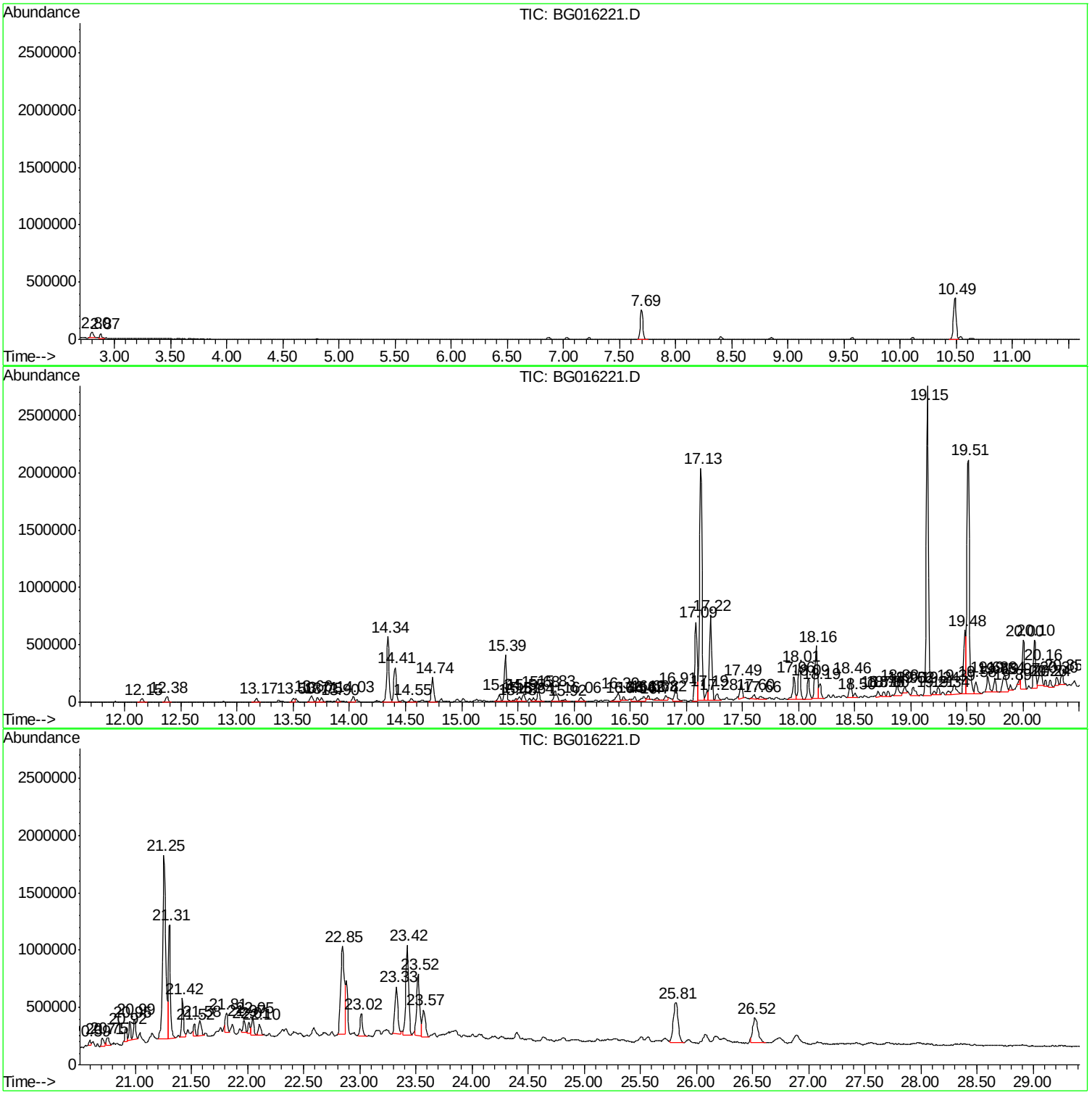
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG040215\
Data File : BG016221.D
Acq On : 2 Apr 2015 12:36
Operator : TP/IZ
Sample : G1647-09DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG040215\
Data File : BG016221.D
Acq On : 2 Apr 2015 12:36
Operator : TP/IZ
Sample : G1647-09DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

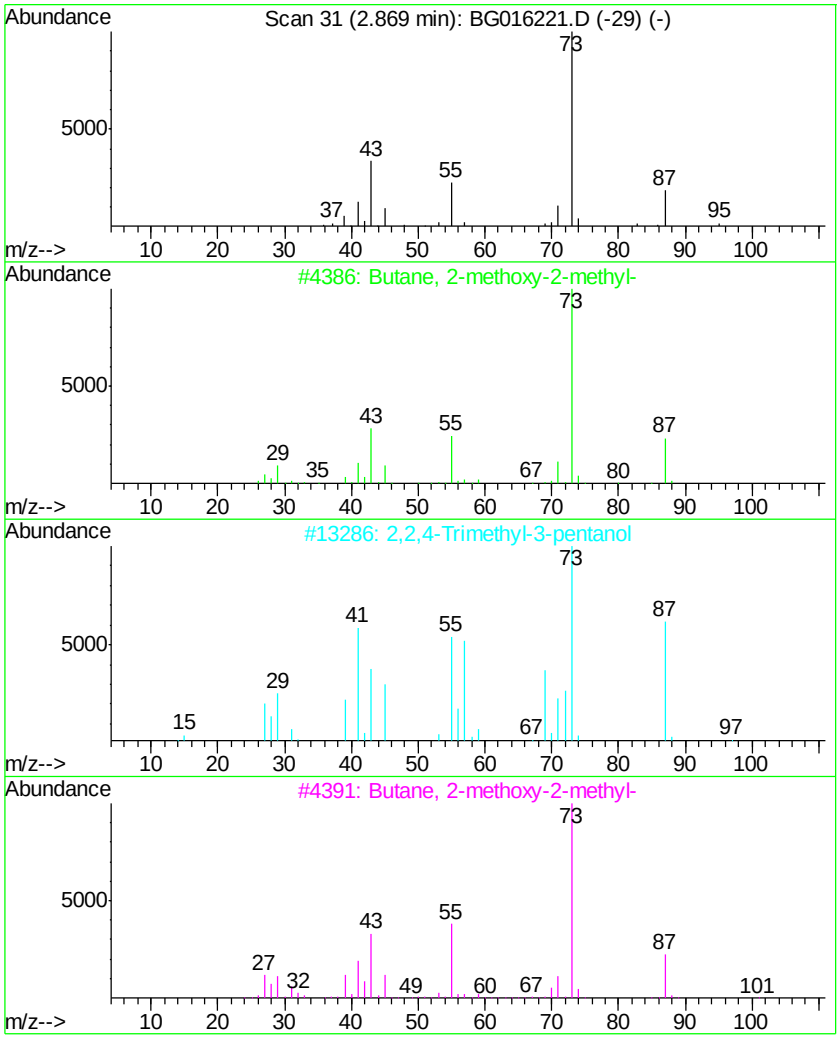
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

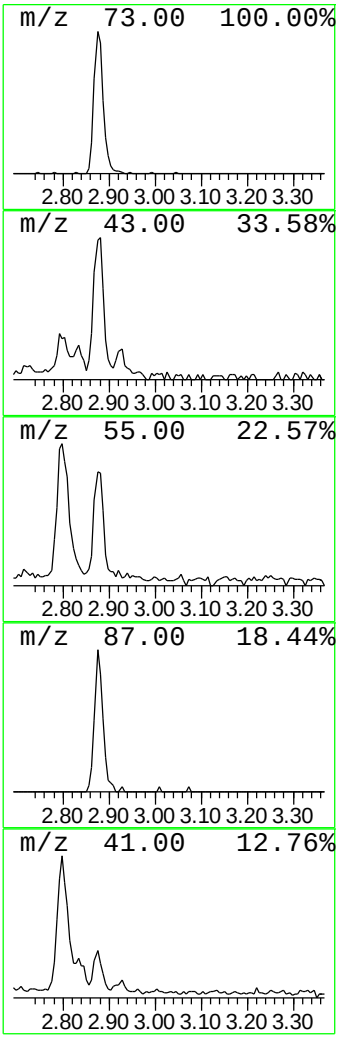
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.87	2.55 ng/ul	50085	1,4-Dichlorobenzene-d4	7.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	43
3	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	28
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	Borane, dimethoxy-	74	C2H7BO2	004542-61-4	9





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG040215\
Data File : BG016221.D
Acq On : 2 Apr 2015 12:36
Operator : TP/IZ
Sample : G1647-09DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

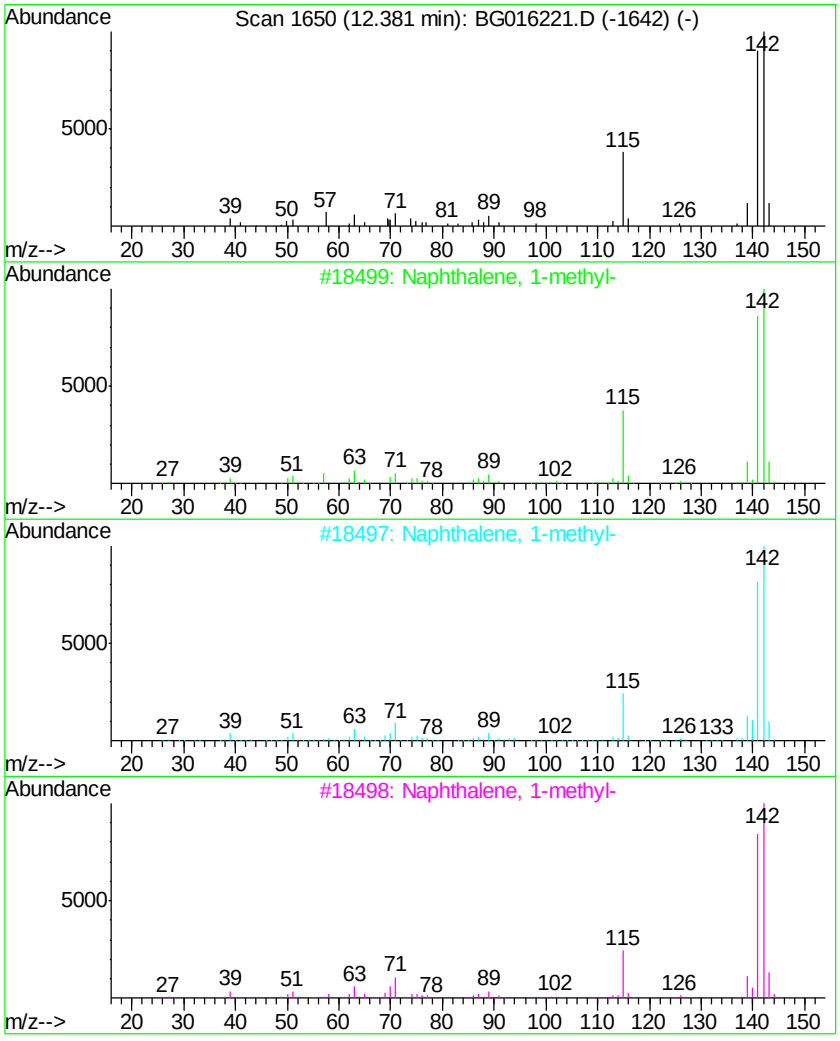
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

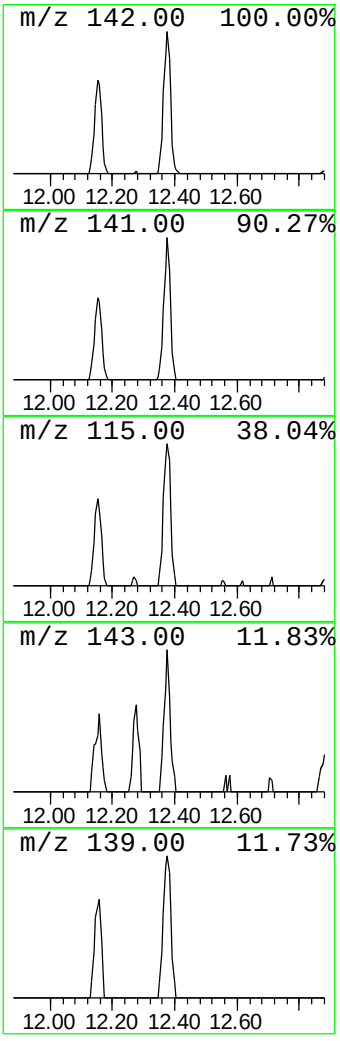
****

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	2.16 ng/ul	65115	Naphthalene-d8	10.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG040215\
Data File : BG016221.D
Acq On : 2 Apr 2015 12:36
Operator : TP/IZ
Sample : G1647-09DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

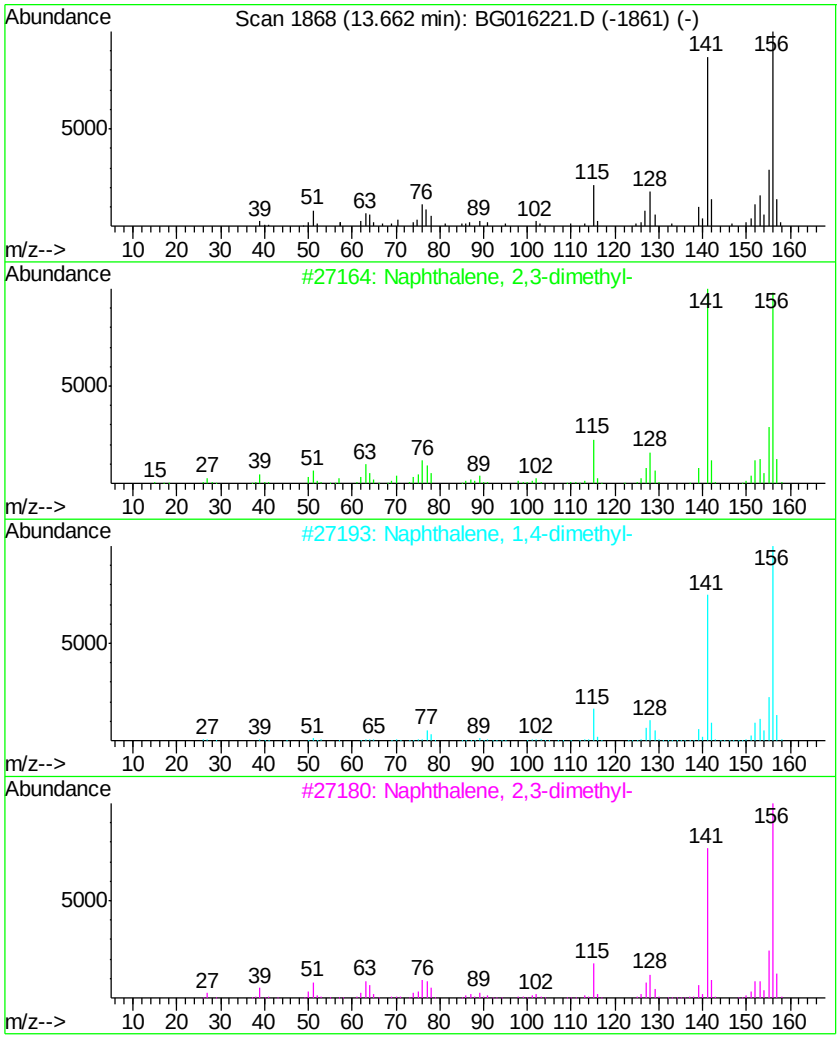
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

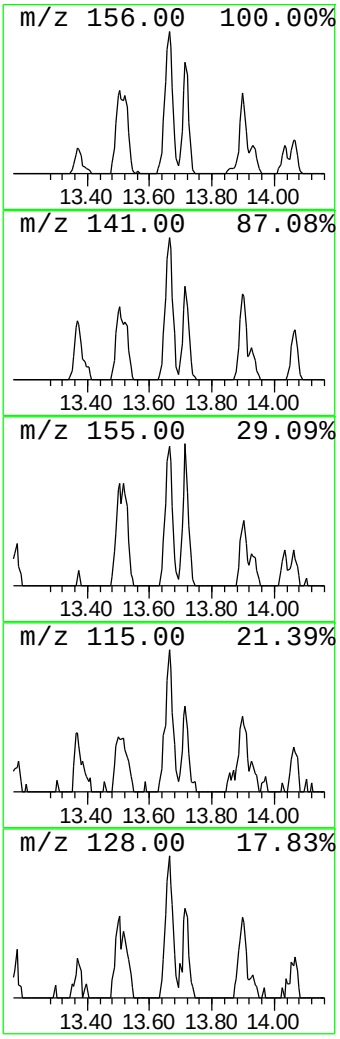
****

Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.66	2.24 ng/ul	95070	Acenaphthene-d10	14.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG040215\
Data File : BG016221.D
Acq On : 2 Apr 2015 12:36
Operator : TP/IZ
Sample : G1647-09DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

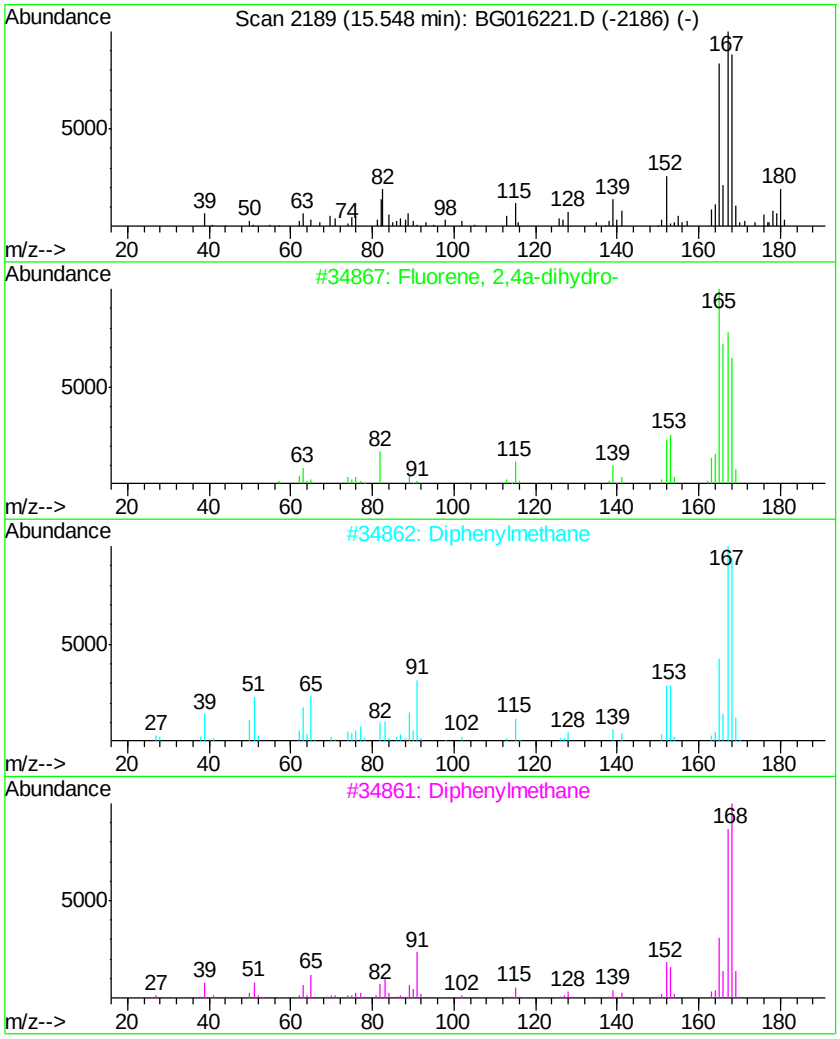
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

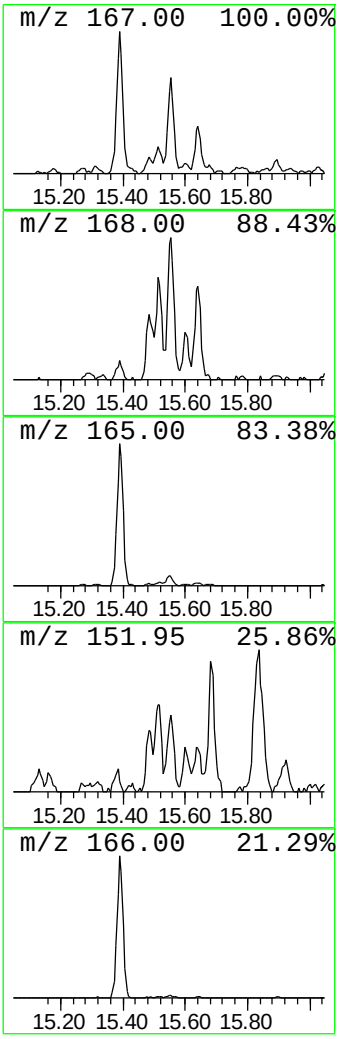
****

Peak Number 5 Fluorene, 2,4a-dihydro- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	2.33 ng/ul	98933	Acenaphthene-d10	14.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	86
2	Diphenylmethane	168	C13H12	000101-81-5	68
3	Diphenylmethane	168	C13H12	000101-81-5	64
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	64
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	60





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG040215\
Data File : BG016221.D
Acq On : 2 Apr 2015 12:36
Operator : TP/IZ
Sample : G1647-09DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

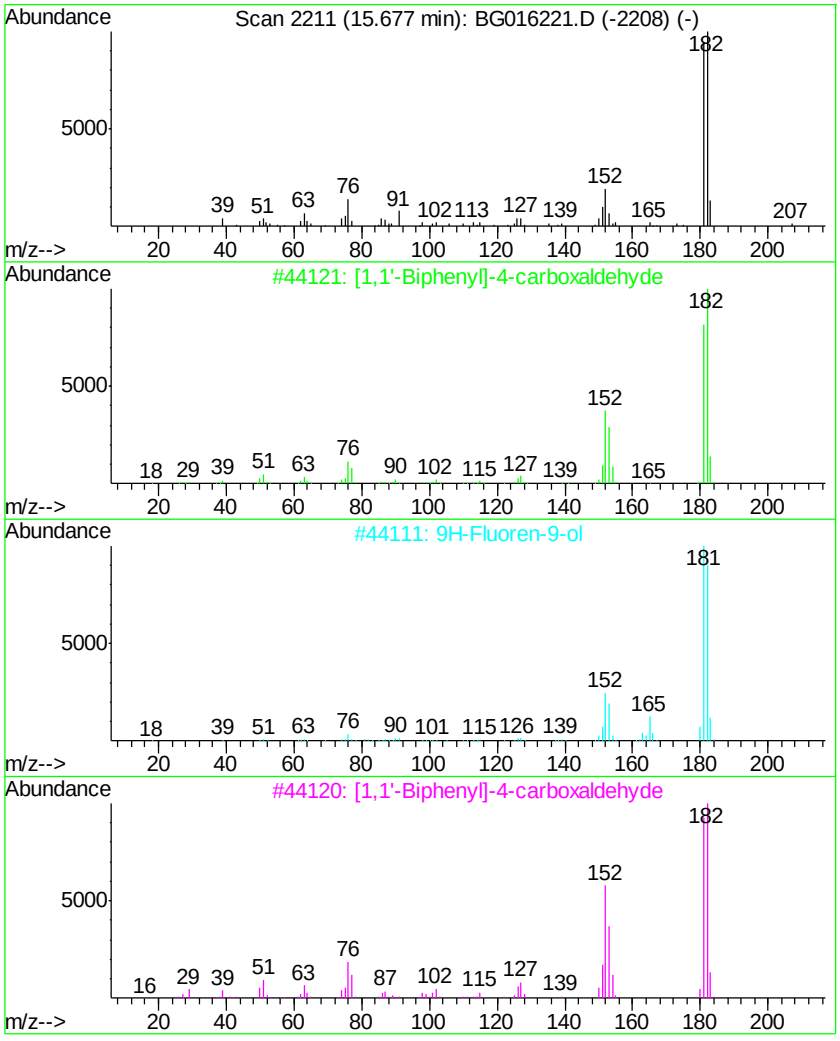
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

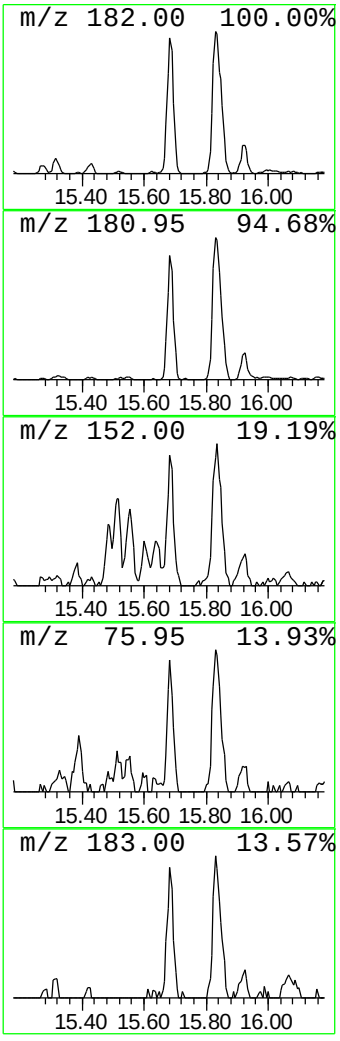
****

Peak Number 6 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	2.94 ng/ul	125005	Acenaphthene-d10	14.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	76
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64





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Operator : TP/IZ
Sample : G1647-09DL 25X
Misc :
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Instrument : BNA_G
ClientSampleId : C0AC8DL

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Quant Title : SVOA CALIBRATION

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

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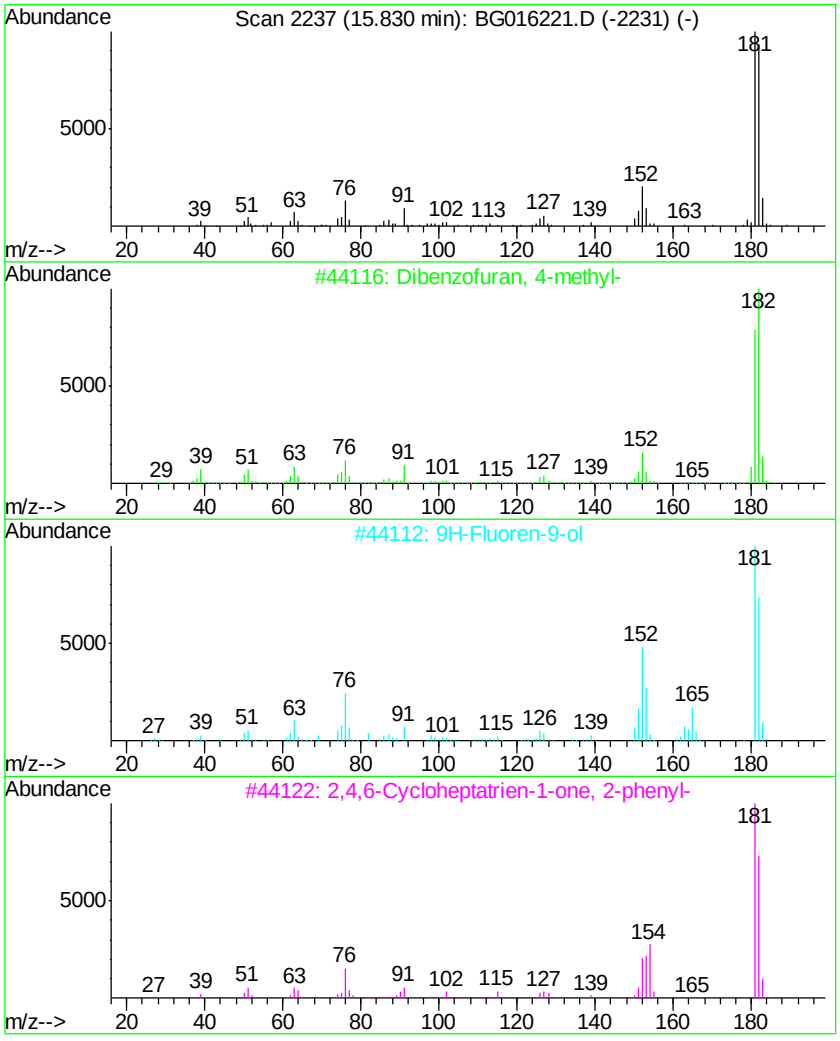
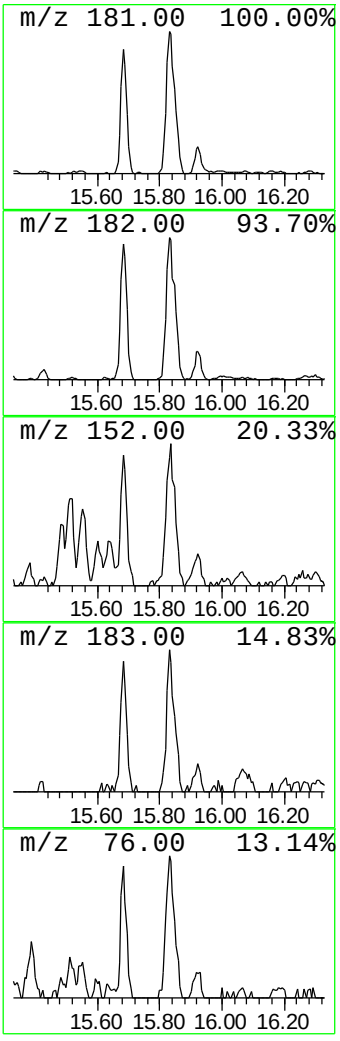
Peak Number 7 Dibenzofuran, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.83	3.91 ng/ul	190182	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	94
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	91
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	90
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





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Sample : G1647-09DL 25X
Misc :
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Instrument : BNA_G
ClientSampleId : C0AC8DL

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Quant Title : SVOA CALIBRATION

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

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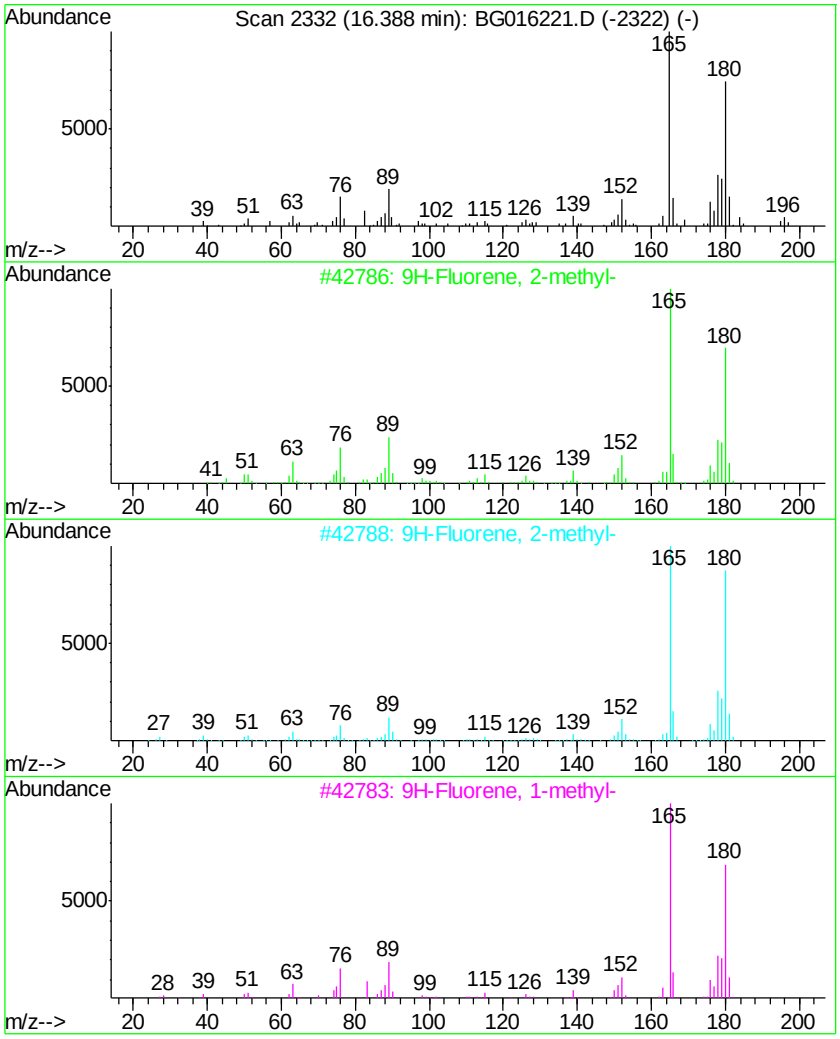
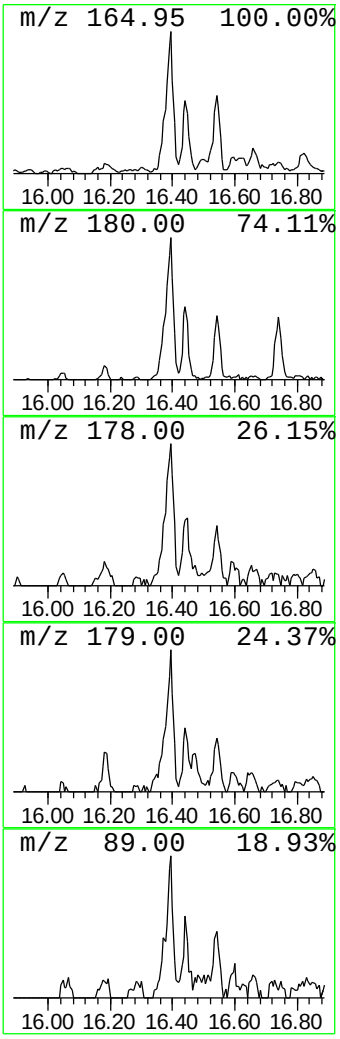
Peak Number 8 9H-Fluorene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.39	3.23 ng/ul	157014	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89





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ClientSampleId : C0AC8DL

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Quant Title : SVOA CALIBRATION

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

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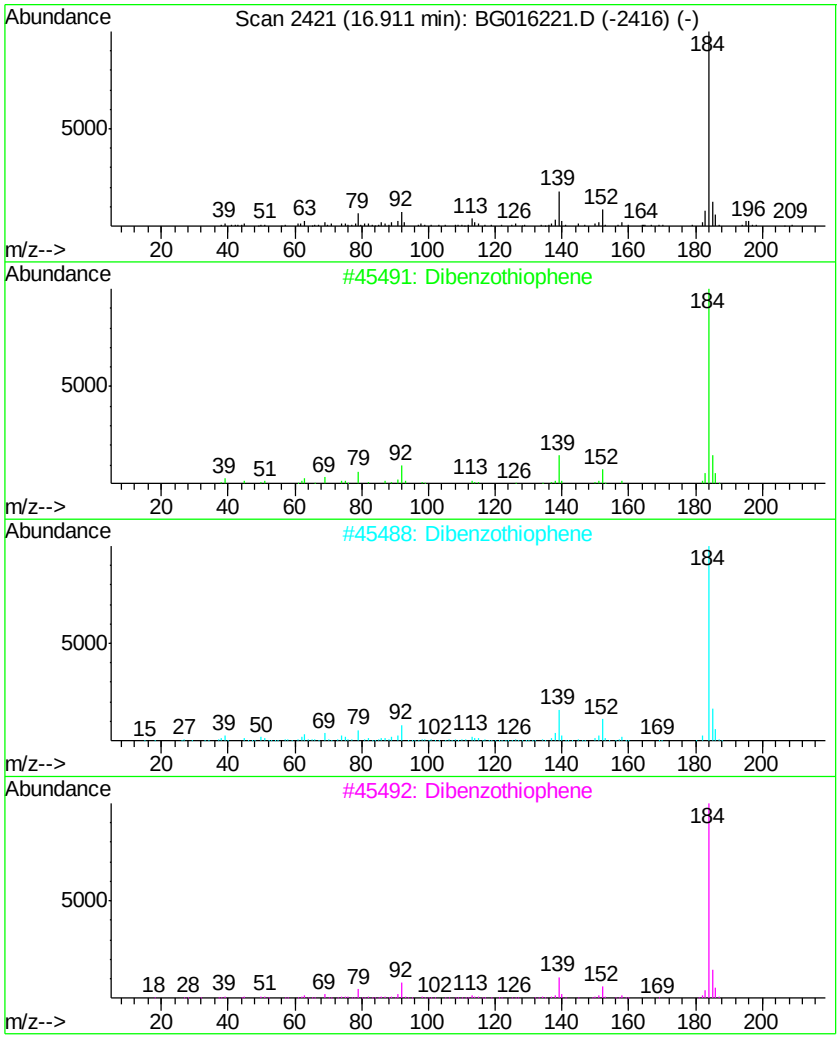
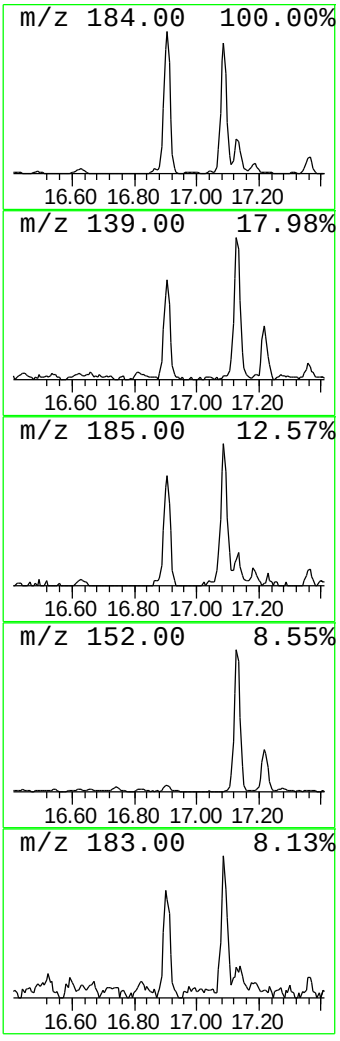
Peak Number 9 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.91	3.63 ng/ul	176512	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	96
3	Dibenzothiophene	184	C12H8S	000132-65-0	95
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	Dibenzothiophene	184	C12H8S	000132-65-0	91





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Sample : G1647-09DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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

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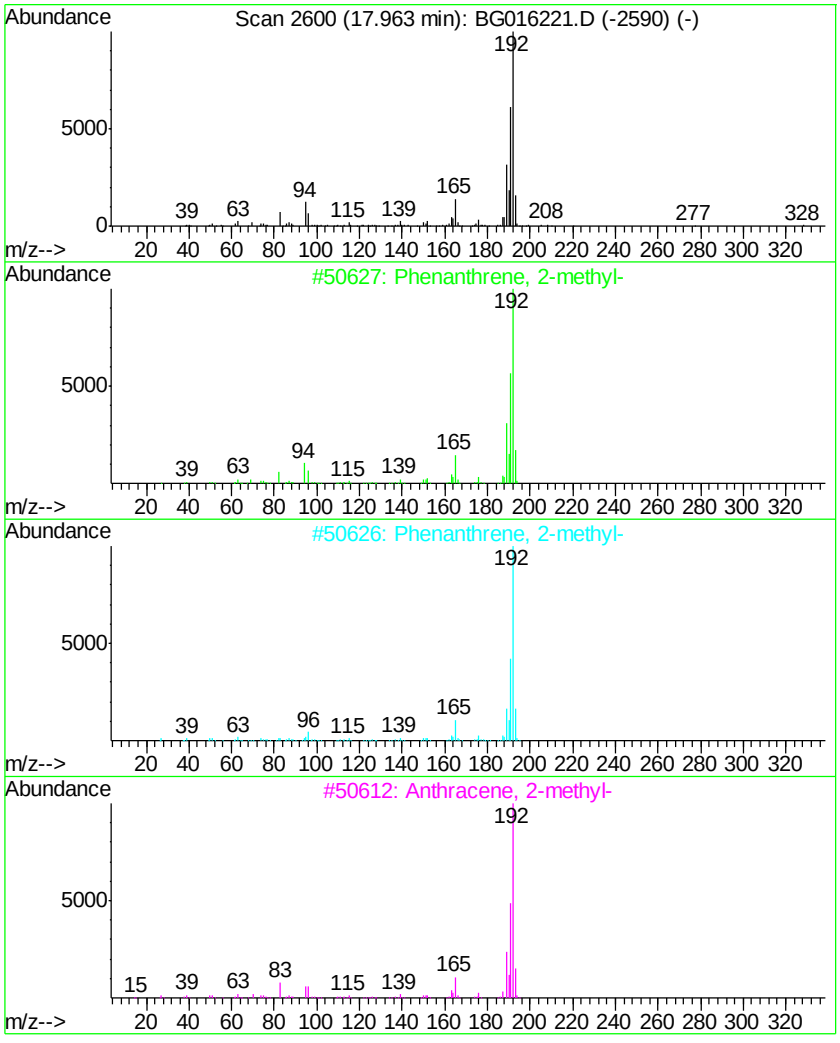
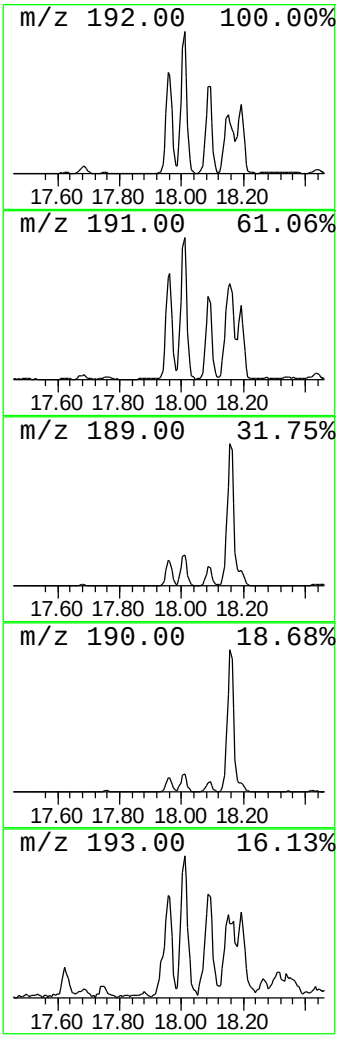
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.96	6.21 ng/ul	302166	Phenanthrene-d10	17.09

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	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94





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Operator : TP/IZ
Sample : G1647-09DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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

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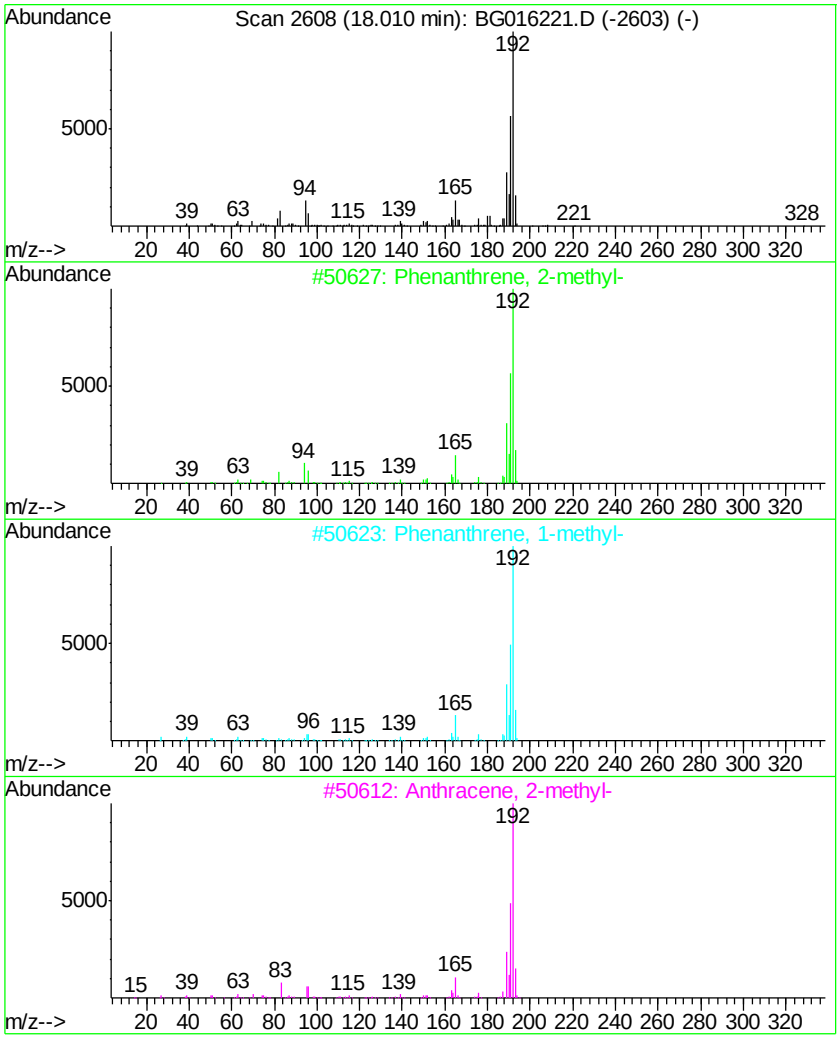
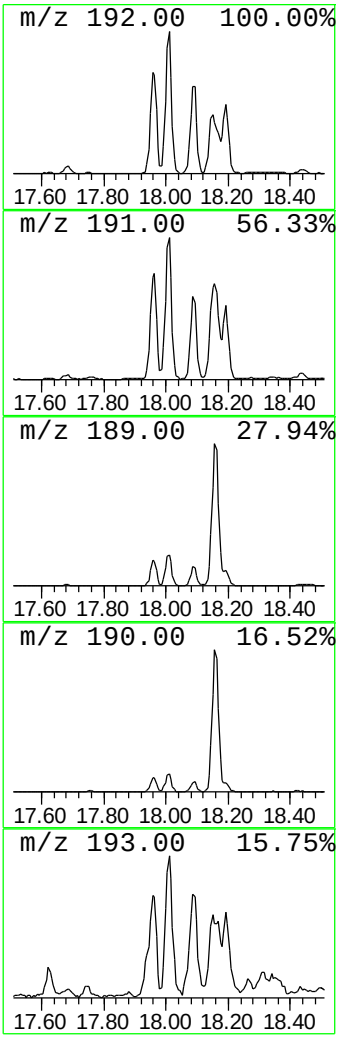
Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	8.63 ng/ul	419526	Phenanthrene-d10	17.09

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	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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Sample : G1647-09DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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

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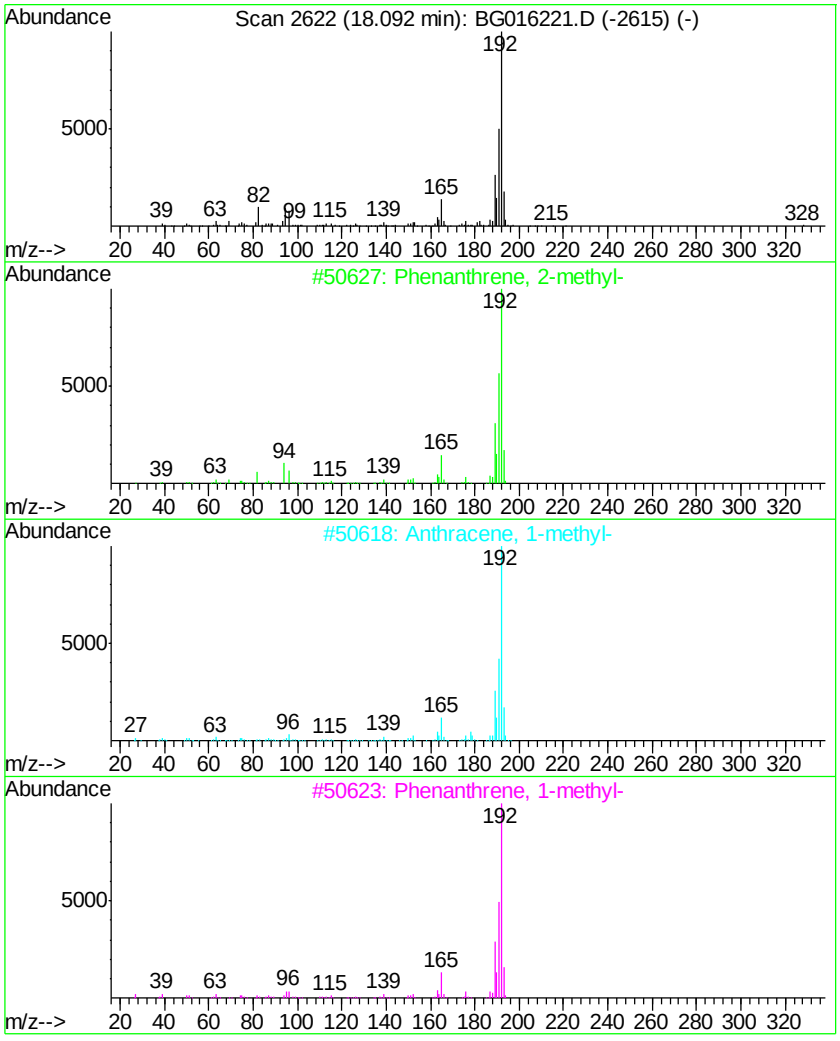
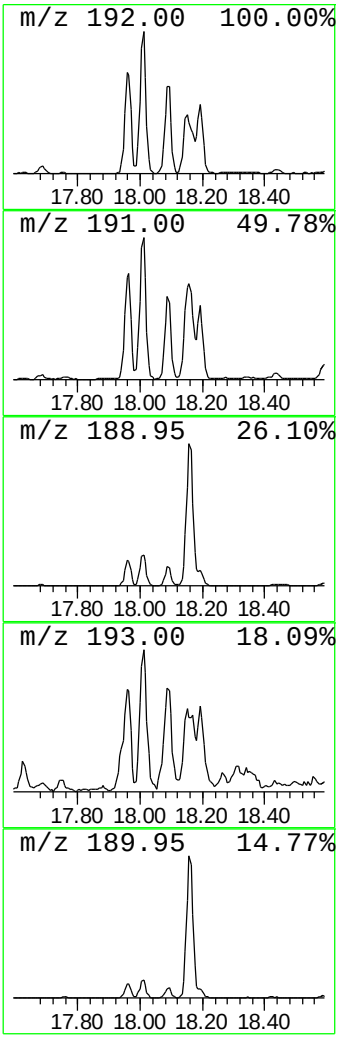
Peak Number 12 Anthracene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	5.36 ng/ul	260436	Phenanthrene-d10	17.09

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	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96





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Operator : TP/IZ
Sample : G1647-09DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8DL

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Quant Title : SVOA CALIBRATION

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

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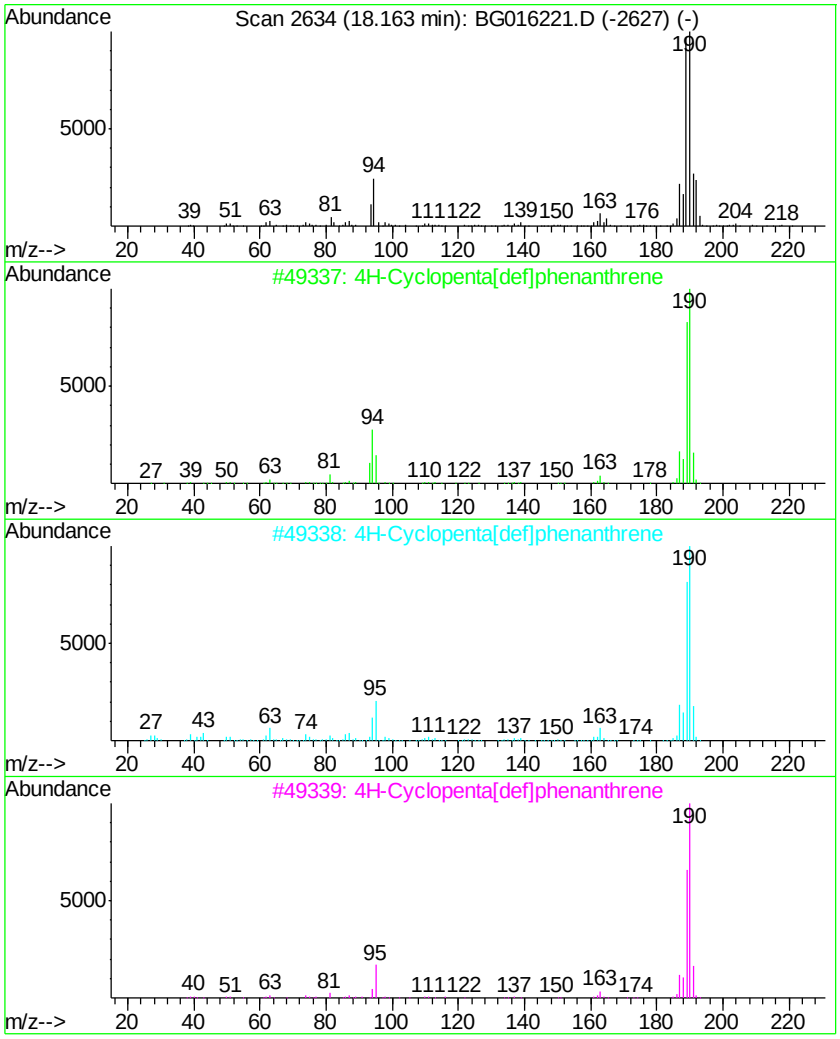
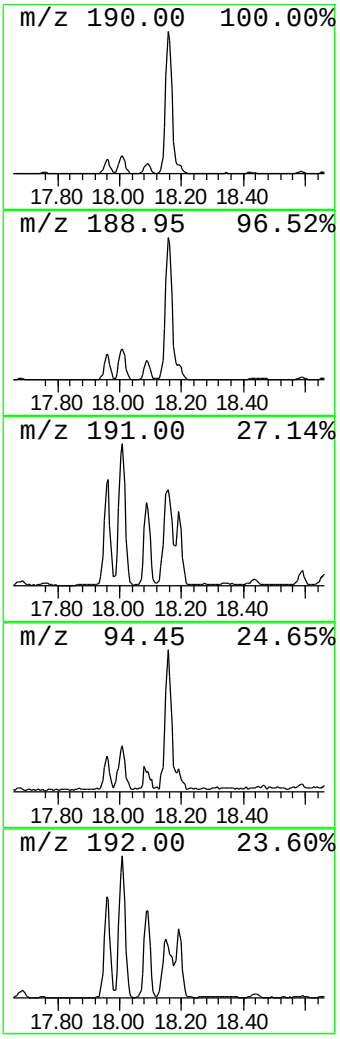
Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	15.01 ng/ul	729690	Phenanthrene-d10	17.09

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 : G1647-09DL 25X
Misc :
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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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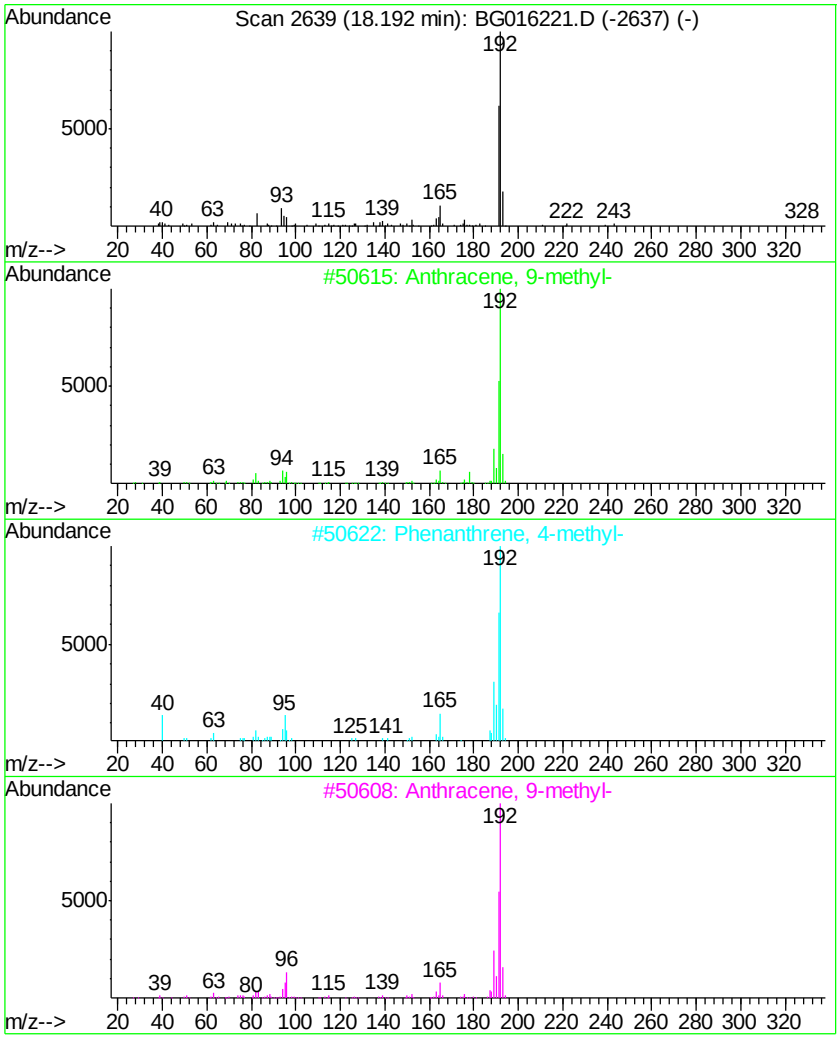
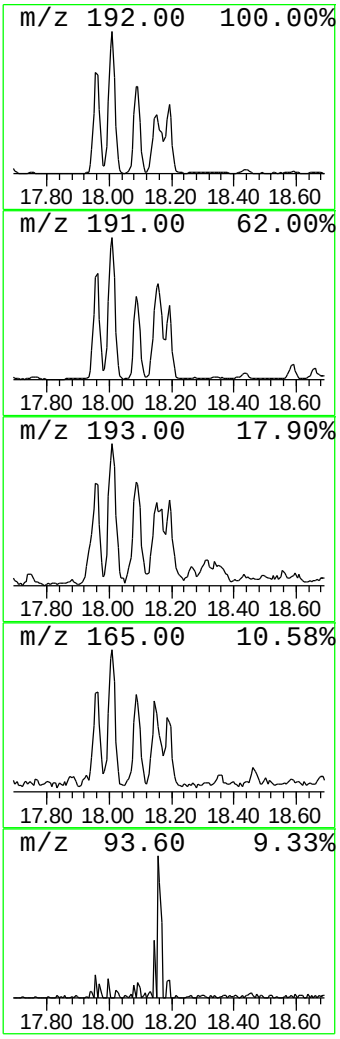
Peak Number 14 Anthracene, 9-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	2.97 ng/ul	144215	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91





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Sample : G1647-09DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8DL

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Quant Title : SVOA CALIBRATION

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

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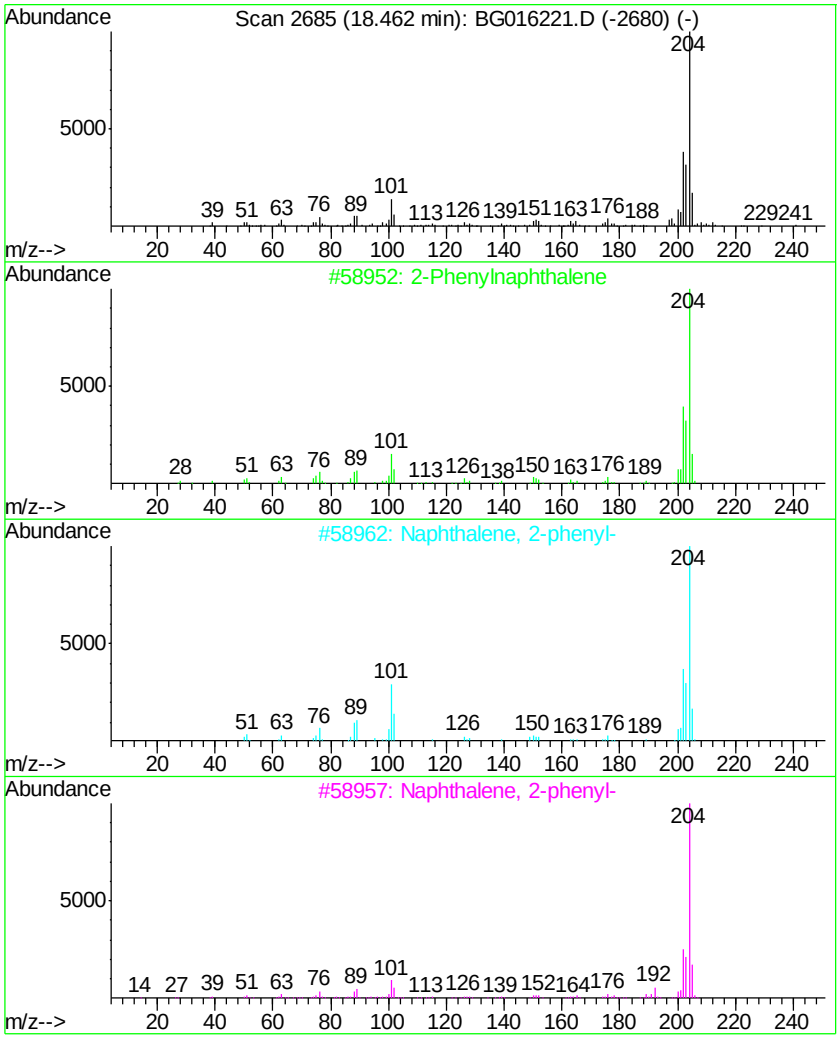
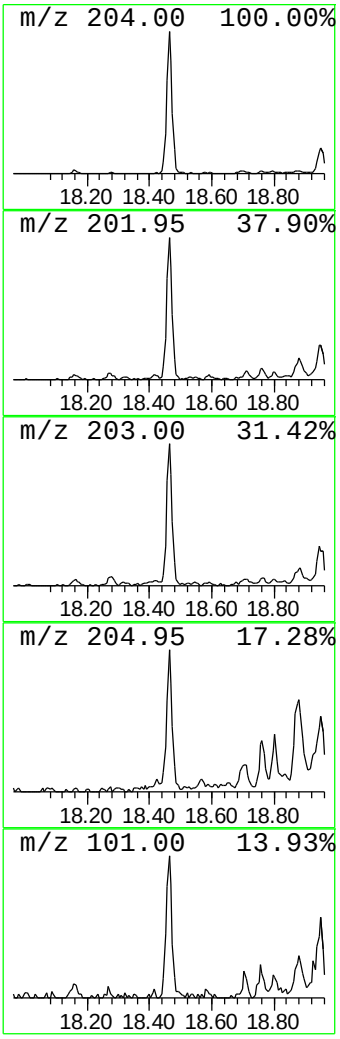
Peak Number 15 2-Phenylnaphthalene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.46	4.36 ng/ul	212163	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	90
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
5	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	80





Library Search Compound Report

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Misc :
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Instrument : BNA_G
ClientSampleId : C0AC8DL

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Quant Title : SVOA CALIBRATION

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

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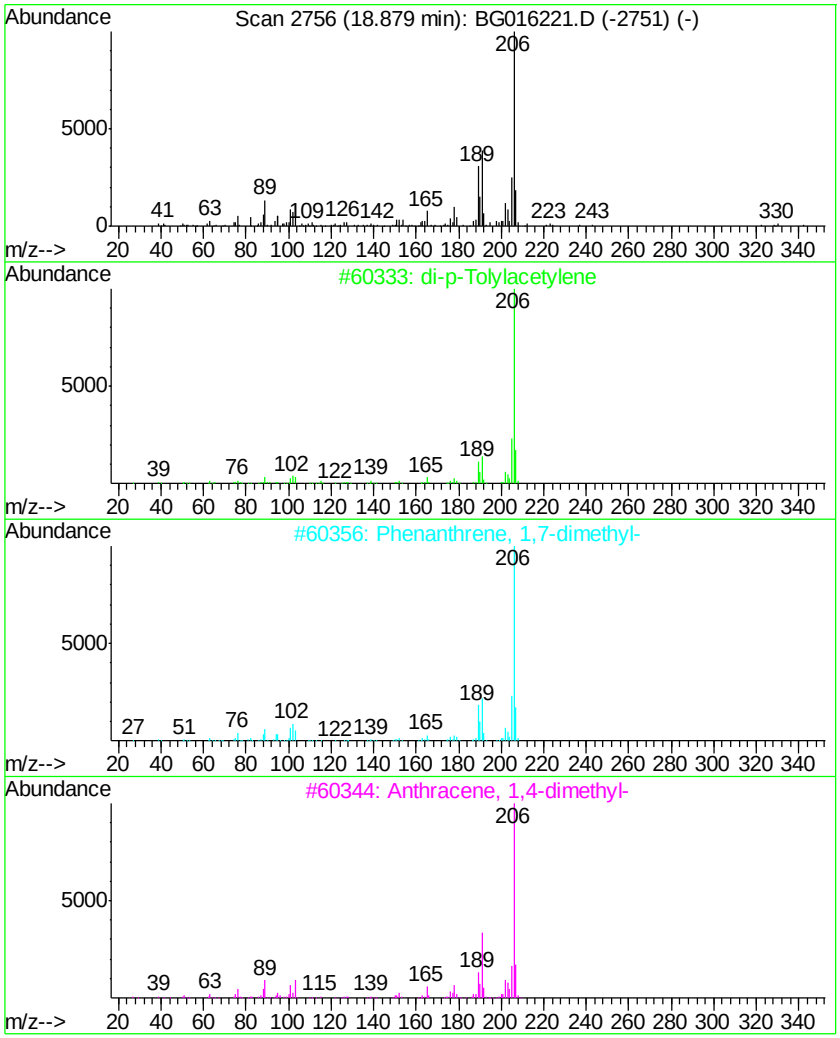
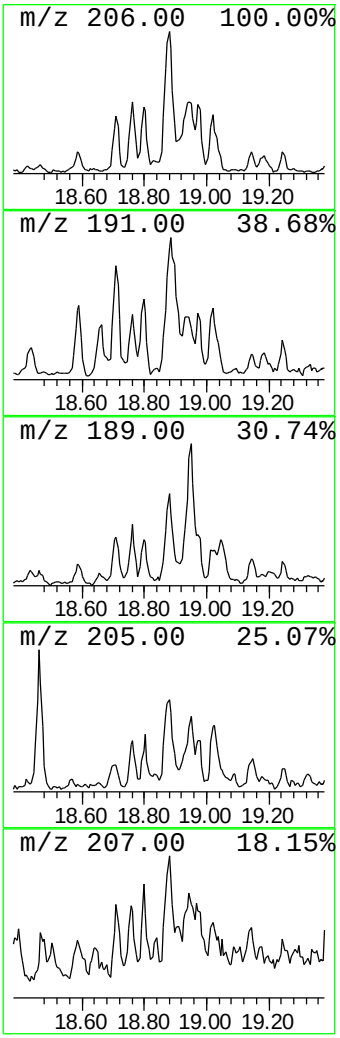
Peak Number 16 di-p-Tolylacetylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.88	3.85 ng/ul	187205	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	93





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ClientSampleId : C0AC8DL

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Quant Title : SVOA CALIBRATION

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

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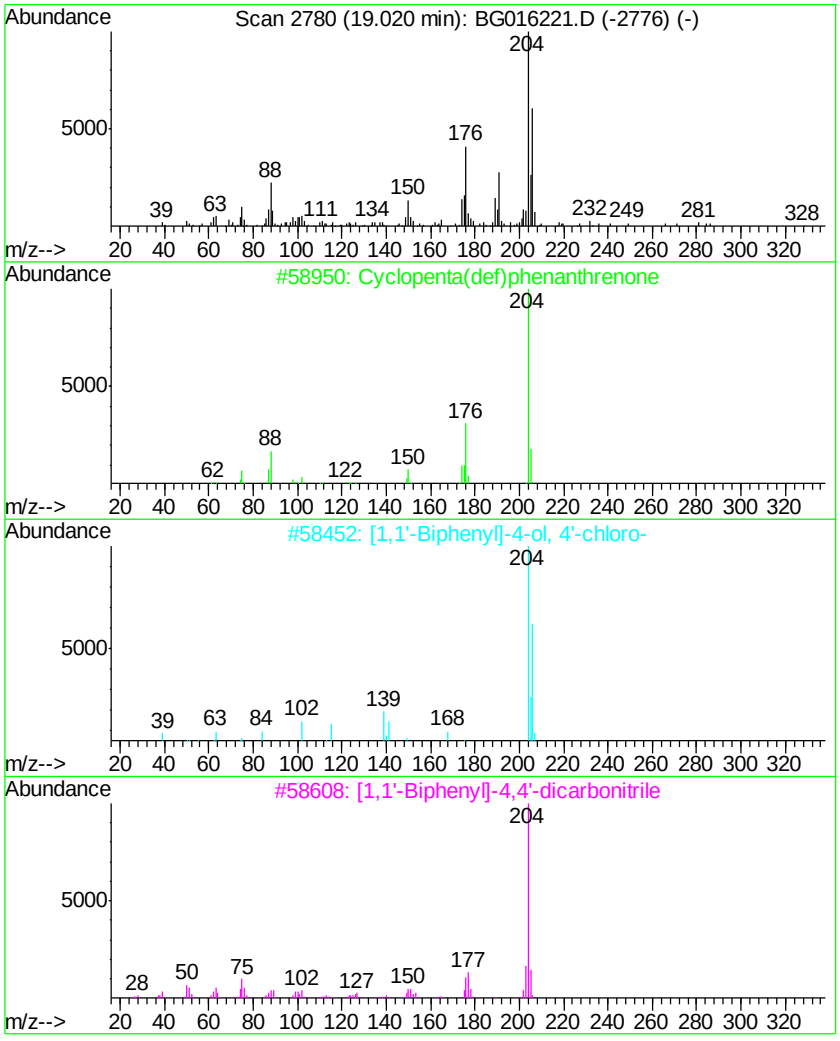
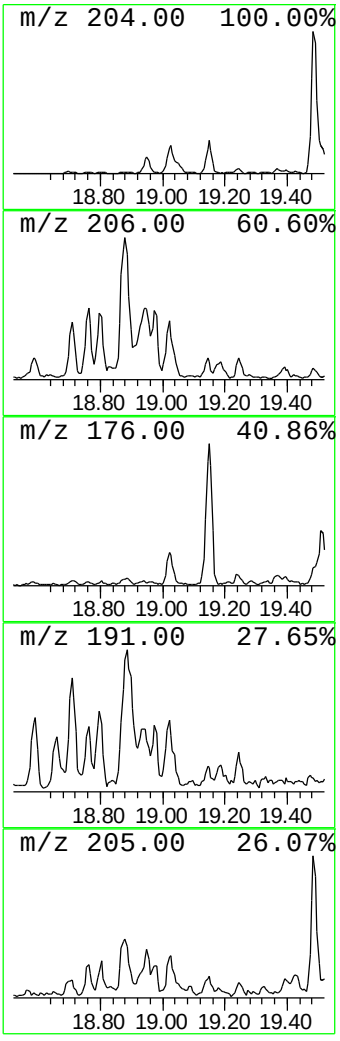
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	3.07 ng/ul	149274	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	46
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	35
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	30
5	2,5,5,8a-Tetramethyl-6,7,8,8a-te...	204	C14H20O	124957-09-1	27





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Operator : TP/IZ
Sample : G1647-09DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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

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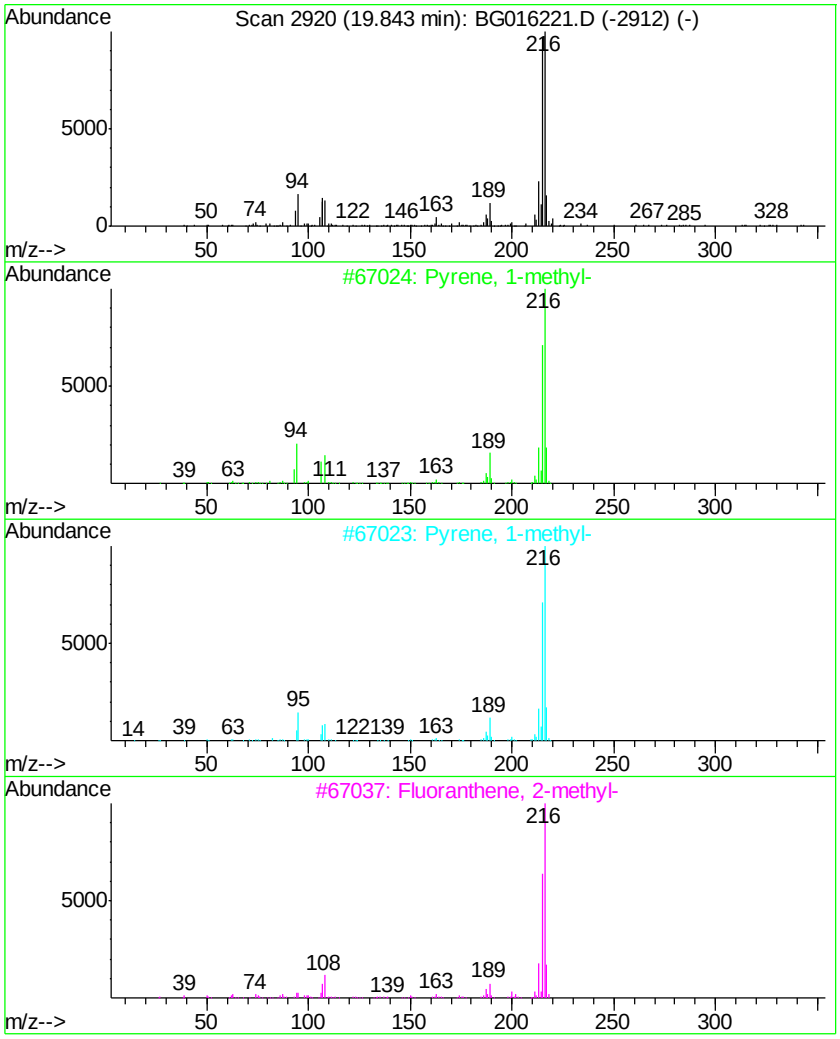
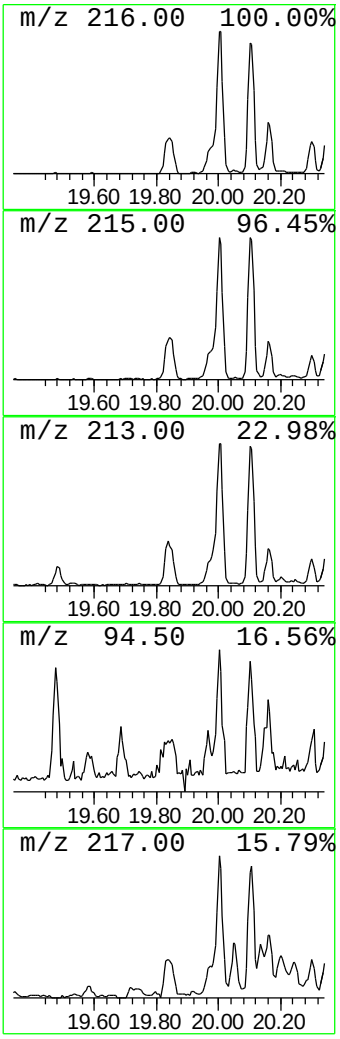
Peak Number 18 Pyrene, 1-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.84	2.19 ng/ul	348246	Chrysene-d12	21.26

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	96
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90





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Data File : BG016221.D
Acq On : 2 Apr 2015 12:36
Operator : TP/IZ
Sample : G1647-09DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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

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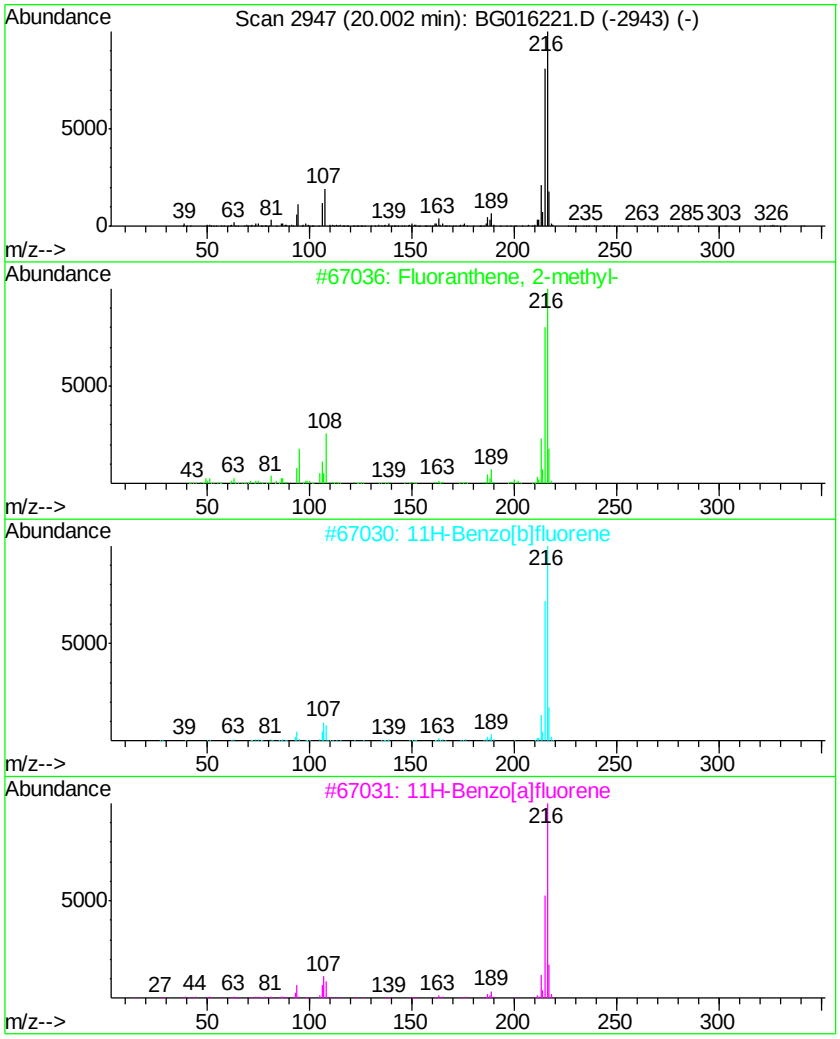
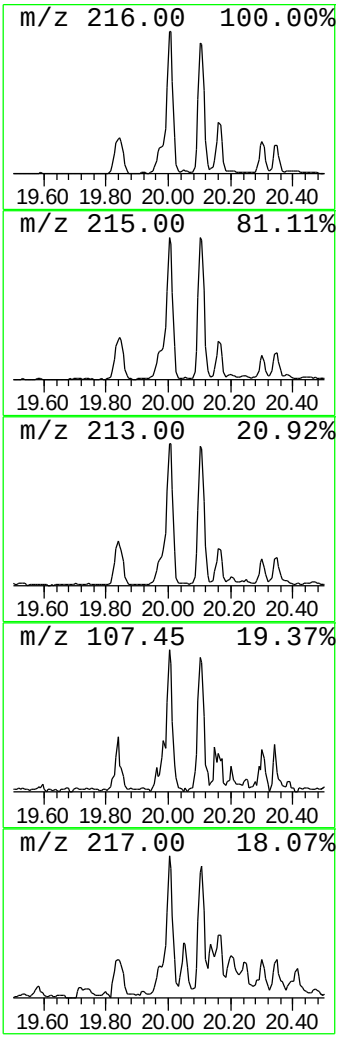
Peak Number 19 Fluoranthene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	3.71 ng/ul	589603	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG040215\
Data File : BG016221.D
Acq On : 2 Apr 2015 12:36
Operator : TP/IZ
Sample : G1647-09DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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

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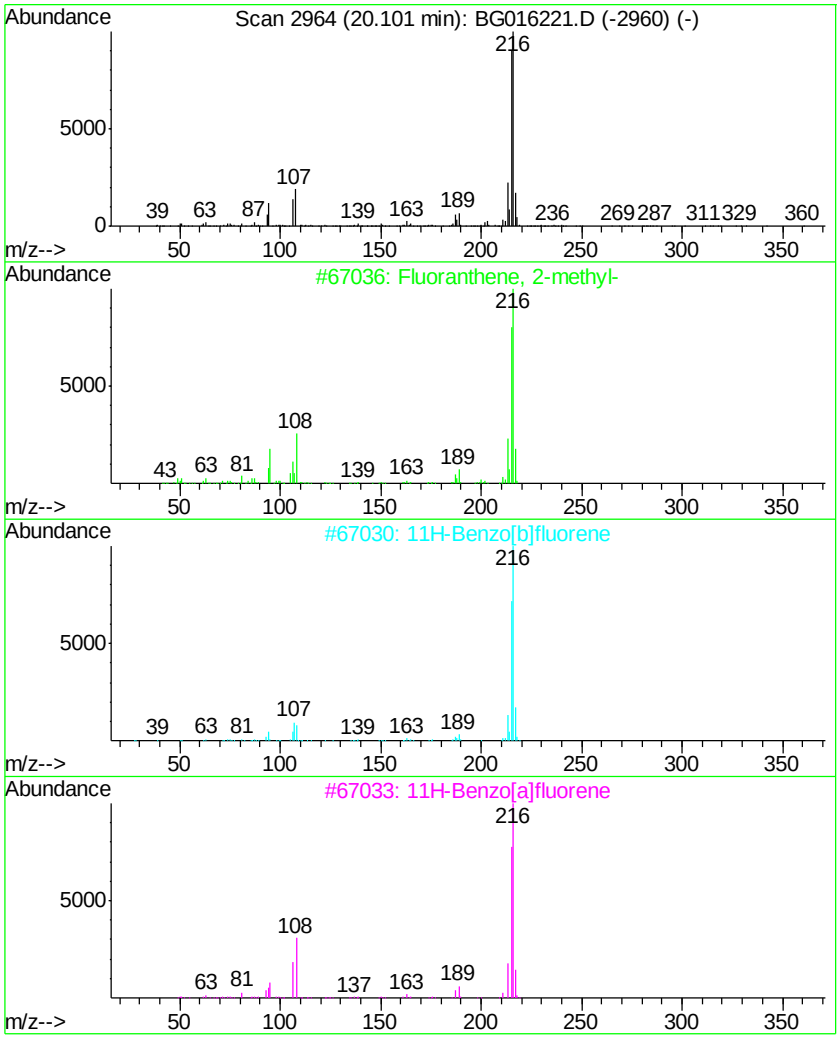
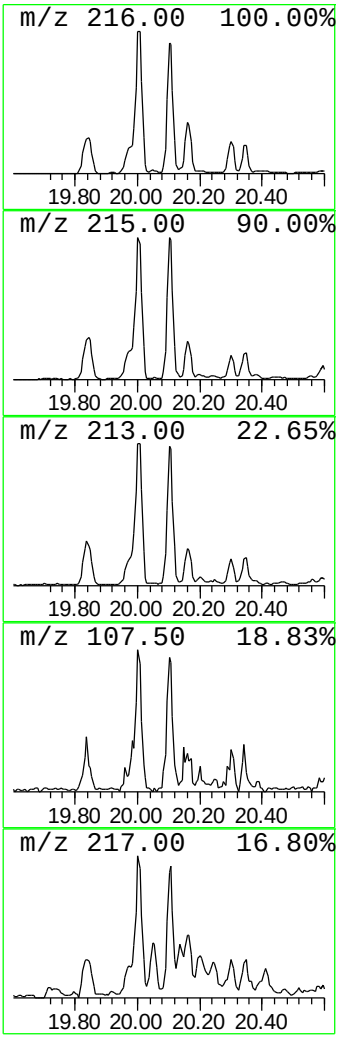
Peak Number 20 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	3.44 ng/ul	546515	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG040215\
Data File : BG016221.D
Acq On : 2 Apr 2015 12:36
Operator : TP/IZ
Sample : G1647-09DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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

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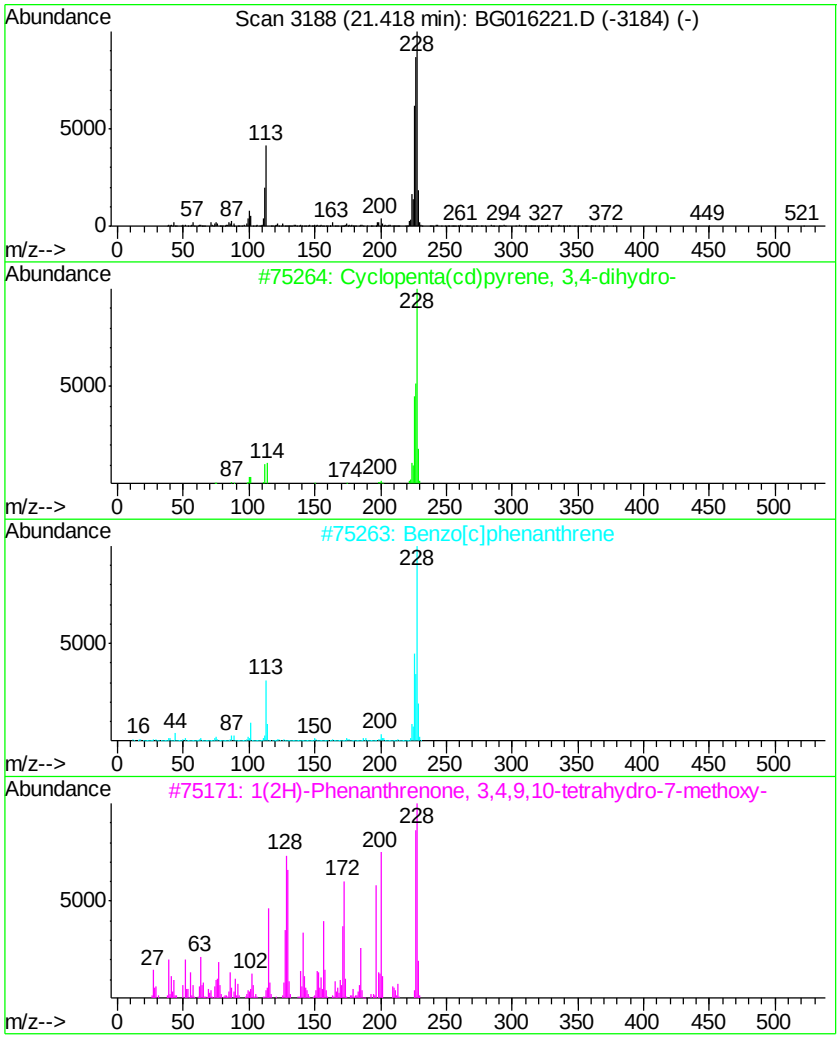
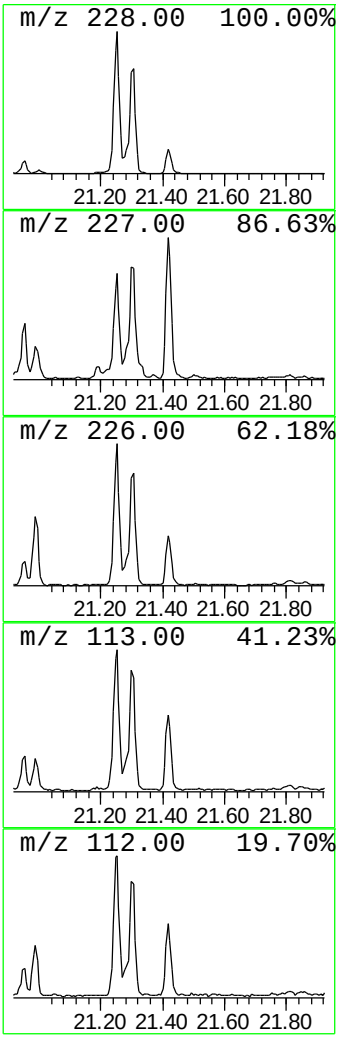
Peak Number 21 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.42	2.66 ng/ul	423091	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	86
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49
3	1(2H)-Phenanthrenone, 3,4,9,10-t...	228	C15H16O2	014427-61-3	43
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	38
5	1,3,5-Triazine-2(1H)-thione, 4-(...	227	C9H17N5S	023613-02-7	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG040215\
Data File : BG016221.D
Acq On : 2 Apr 2015 12:36
Operator : TP/IZ
Sample : G1647-09DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.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...	2.87	2.5	ng/ul	50085	1	7.69	392530	20.0
Naphthalene, 1-me...	12.38	2.2	ng/ul	65115	2	10.49	604261	20.0
Naphthalene, 2,3-...	13.66	2.2	ng/ul	95070	3	14.34	849338	20.0
Fluorene, 2,4a-di...	15.55	2.3	ng/ul	98933	3	14.34	849338	20.0
[1,1'-Biphenyl]-4...	15.68	2.9	ng/ul	125005	3	14.34	849338	20.0
Dibenzofuran, 4-m...	15.83	3.9	ng/ul	190182	4	17.09	972401	20.0
9H-Fluorene, 2-me...	16.39	3.2	ng/ul	157014	4	17.09	972401	20.0
Dibenzothiophene	16.91	3.6	ng/ul	176512	4	17.09	972401	20.0
Phenanthrene, 2-m...	17.96	6.2	ng/ul	302166	4	17.09	972401	20.0
Phenanthrene, 1-m...	18.01	8.6	ng/ul	419526	4	17.09	972401	20.0
Anthracene, 1-met...	18.09	5.4	ng/ul	260436	4	17.09	972401	20.0
4H-Cyclopenta[def...	18.16	15.0	ng/ul	729690	4	17.09	972401	20.0
Anthracene, 9-met...	18.19	3.0	ng/ul	144215	4	17.09	972401	20.0
2-Phenylnaphthalene	18.46	4.4	ng/ul	212163	4	17.09	972401	20.0
di-p-Tolylacetylene	18.88	3.9	ng/ul	187205	4	17.09	972401	20.0
Cyclopenta(def)ph...	19.02	3.1	ng/ul	149274	4	17.09	972401	20.0
Pyrene, 1-methyl-	19.84	2.2	ng/ul	348246	5	21.26	3176210	20.0
Fluoranthene, 2-m...	20.00	3.7	ng/ul	589603	5	21.26	3176210	20.0
11H-Benzo[b]fluorene	20.10	3.4	ng/ul	546515	5	21.26	3176210	20.0
Cyclopenta(cd)pyr...	21.42	2.7	ng/ul	423091	5	21.26	3176210	20.0