LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
Data File : BG016213.D
Acq On : 31 Mar 2015 22:57
Operator : TP/IZ
Sample : G1647-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8

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	2.900	30	36	45	rBV2	91415	213219	1.57%	0.161%
2	2.976	45	49	54	rVV	164631	235329	1.73%	0.178%
3	7.770	855	865	872	rBV	328040	513189	3.77%	0.388%
4	10.179	1269	1275	1284	rVB	94882	156443	1.15%	0.118%
5	10.555	1327	1339	1344	rBV	491674	825920	6.06%	0.625%
6	10.608	1344	1348	1354	rVV	112580	180564	1.33%	0.137%
7	12.218	1616	1622	1628	rVB	122710	190026	1.40%	0.144%
8	12.435	1651	1659	1668	rVB	187252	305654	2.24%	0.231%
9	13.229	1787	1794	1800	rBV2	126502	192456	1.41%	0.146%
10	13.558	1840	1850	1852	rBV	128613	206381	1.52%	0.156%
11	13.722	1866	1878	1882	rBV	228967	413952	3.04%	0.313%
12	13.775	1882	1887	1890	rVV	158931	257530	1.89%	0.195%
13	13.804	1890	1892	1897	rVV	150927	190873	1.40%	0.144%
14	13.957	1914	1918	1921	rVV	119068	180003	1.32%	0.136%
15	14.092	1935	1941	1944	rBV	194842	295112	2.17%	0.223%
16	14.398	1983	1993	1999	rVV3	690515	1181012	8.67%	0.893%
17	14.462	1999	2004	2011	rVV	1254388	1849553	13.58%	1.399%
18	14.603	2022	2028	2037	rBV2	120439	240063	1.76%	0.182%
19	14.709	2037	2046	2050	rVV3	67636	157014	1.15%	0.119%
20	14.797	2055	2061	2068	rVV	888034	1265628	9.29%	0.957%
21	14.874	2068	2074	2078	rVV	109108	155959	1.15%	0.118%
22	15.015	2090	2098	2103	rBV3	92256	174154	1.28%	0.132%
23	15.185	2119	2127	2130	rBV2	76395	155309	1.14%	0.117%
24	15.391	2153	2162	2166	rVV2	238052	414754	3.05%	0.314%
25	15.450	2166	2172	2181	rVV	1498496	2314931	17.00%	1.751%
26	15.538	2181	2187	2189	rVV2	108504	183629	1.35%	0.139%
27	15.573	2189	2193	2195	rVV	170019	259085	1.90%	0.196%
28	15.608	2195	2199	2203	rVV2	273038	406072	2.98%	0.307%
29	15.655	2203	2207	2210	rVV2	98521	159429	1.17%	0.121%
30	15.696	2210	2214	2217	rVV2	121532	201942	1.48%	0.153%
31	15.737	2217	2221	2228	rVB	326632	497869	3.66%	0.377%
32	15.884	2239	2246	2254	rVB	374382	734113	5.39%	0.555%
33	16.108	2279	2284	2292	rVB5	131502	304775	2.24%	0.231%
34	16.448	2331	2342	2346	rBV2	297388	585964	4.30%	0.443%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
Data File : BG016213.D
Acq On : 31 Mar 2015 22:57
Operator : TP/IZ
Sample : G1647-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8

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	16.495	2346	2350	2355	rVB2	127288	180520	1.33%	0.137%
36	16.595	2364	2367	2372	rVB	125211	172659	1.27%	0.131%
37	16.713	2384	2387	2391	rVB2	133402	166957	1.23%	0.126%
38	16.795	2397	2401	2407	rVB3	96555	156720	1.15%	0.119%
39	16.871	2409	2414	2417	rBV	167198	289265	2.12%	0.219%
40	16.960	2424	2429	2438	rVB	419957	659673	4.84%	0.499%
41	17.142	2455	2460	2463	rVV2	709211	1097208	8.06%	0.830%
42	17.195	2463	2469	2474	rVV	6687096	10173064	74.70%	7.695%
43	17.242	2474	2477	2479	rVV2	328272	440661	3.24%	0.333%
44	17.277	2479	2483	2488	rVV	2785618	3880724	28.49%	2.935%
45	17.330	2488	2492	2497	rVB3	177645	280419	2.06%	0.212%
46	17.547	2518	2529	2533	rBV	609121	1036076	7.61%	0.784%
47	18.017	2599	2609	2613	rBV	729853	1178350	8.65%	0.891%
48	18.064	2613	2617	2624	rVB	1084780	1525093	11.20%	1.154%
49	18.146	2625	2631	2636	rBV	623616	927270	6.81%	0.701%
50	18.217	2636	2643	2647	rVV2	1749717	2861133	21.01%	2.164%
51	18.246	2647	2648	2654	rVB	474341	459168	3.37%	0.347%
52	18.517	2689	2694	2698	rVV	613029	779777	5.73%	0.590%
53	18.558	2698	2701	2706	rVB	129003	172719	1.27%	0.131%
54	18.763	2732	2736	2740	rVV2	152414	178284	1.31%	0.135%
55	18.810	2741	2744	2747	rVV	145140	177917	1.31%	0.135%
56	18.851	2747	2751	2754	rVB	156071	198453	1.46%	0.150%
57	18.928	2760	2764	2772	rBV3	307651	670528	4.92%	0.507%
58	19.004	2773	2777	2780	rVV	195976	262847	1.93%	0.199%
59	19.081	2786	2790	2798	rVB3	260004	519560	3.81%	0.393%
60	19.216	2805	2813	2818	rBV	7738964	12490915	91.72%	9.448%
61	19.298	2824	2827	2831	rVB2	230044	290025	2.13%	0.219%
62	19.392	2839	2843	2846	rBV5	105254	188735	1.39%	0.143%
63	19.445	2846	2852	2856	rVV2	257493	476000	3.50%	0.360%
64	19.574	2863	2874	2881	rBV3	6688418	13619237	100.00%	10.302%
65	19.633	2881	2884	2891	rVB2	380326	586532	4.31%	0.444%
66	19.744	2898	2903	2909	rBV	472021	664363	4.88%	0.503%
67	19.803	2909	2913	2918	rVB	448134	602090	4.42%	0.455%
68	19.886	2921	2927	2933	rBV3	508324	1246229	9.15%	0.943%
69	19.944	2934	2937	2940	rBV	159626	162197	1.19%	0.123%
70	20.021	2944	2950	2952	rBV3	375581	718864	5.28%	0.544%
71	20.062	2952	2957	2961	rVB	1657346	2368485	17.39%	1.792%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
Data File : BG016213.D
Acq On : 31 Mar 2015 22:57
Operator : TP/IZ
Sample : G1647-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8

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	20.156	2969	2973	2977	rBV	1549463	2106824	15.47%	1.594%
73	20.215	2977	2983	2987	rVB2	637280	1166902	8.57%	0.883%
74	20.256	2987	2990	2993	rVB2	213688	221980	1.63%	0.168%
75	20.291	2994	2996	3001	rVB2	180819	235244	1.73%	0.178%
76	20.356	3003	3007	3010	rBV	320787	399480	2.93%	0.302%
77	20.403	3011	3015	3019	rBV	345786	449932	3.30%	0.340%
78	20.761	3072	3076	3080	rBV	286453	474952	3.49%	0.359%
79	20.802	3080	3083	3089	rVB3	264219	454572	3.34%	0.344%
80	20.967	3108	3111	3114	rBV2	475476	586212	4.30%	0.443%
81	21.002	3114	3117	3121	rVV	633147	824584	6.05%	0.624%
82	21.049	3121	3125	3129	rVB2	658562	1014090	7.45%	0.767%
83	21.313	3161	3170	3175	rBV3	5207599	9145762	67.15%	6.918%
84	21.366	3175	3179	3187	rVB	3805774	5201963	38.20%	3.935%
85	21.478	3194	3198	3202	rBV	1159216	1443621	10.60%	1.092%
86	21.631	3220	3224	3230	rBV3	514975	861288	6.32%	0.651%
87	21.813	3252	3255	3259	rBV3	285842	420141	3.08%	0.318%
88	21.871	3260	3265	3269	rVB	659167	1093823	8.03%	0.827%
89	22.036	3289	3293	3296	rBV2	418760	558000	4.10%	0.422%
90	22.077	3297	3300	3303	rVV	394422	622144	4.57%	0.471%
91	22.112	3303	3306	3311	rVB2	578953	846595	6.22%	0.640%
92	22.171	3312	3316	3321	rVB2	357860	524161	3.85%	0.396%
93	22.929	3438	3445	3450	rBV	2864632	7285255	53.49%	5.511%
94	23.094	3469	3473	3481	rVB	801024	1271545	9.34%	0.962%
95	23.417	3522	3528	3535	rBV2	1504636	3046377	22.37%	2.304%
96	23.522	3539	3546	3552	rVB	3046928	5500800	40.39%	4.161%
97	23.616	3558	3562	3566	rBV2	366209	650042	4.77%	0.492%
98	23.669	3566	3571	3578	rVB2	906487	1798124	13.20%	1.360%
99	25.967	3953	3962	3972	rVB	1300618	3879908	28.49%	2.935%
100	26.689	4077	4085	4102	rVB2	731261	2662411	19.55%	2.014%

Sum of corrected areas: 132203355

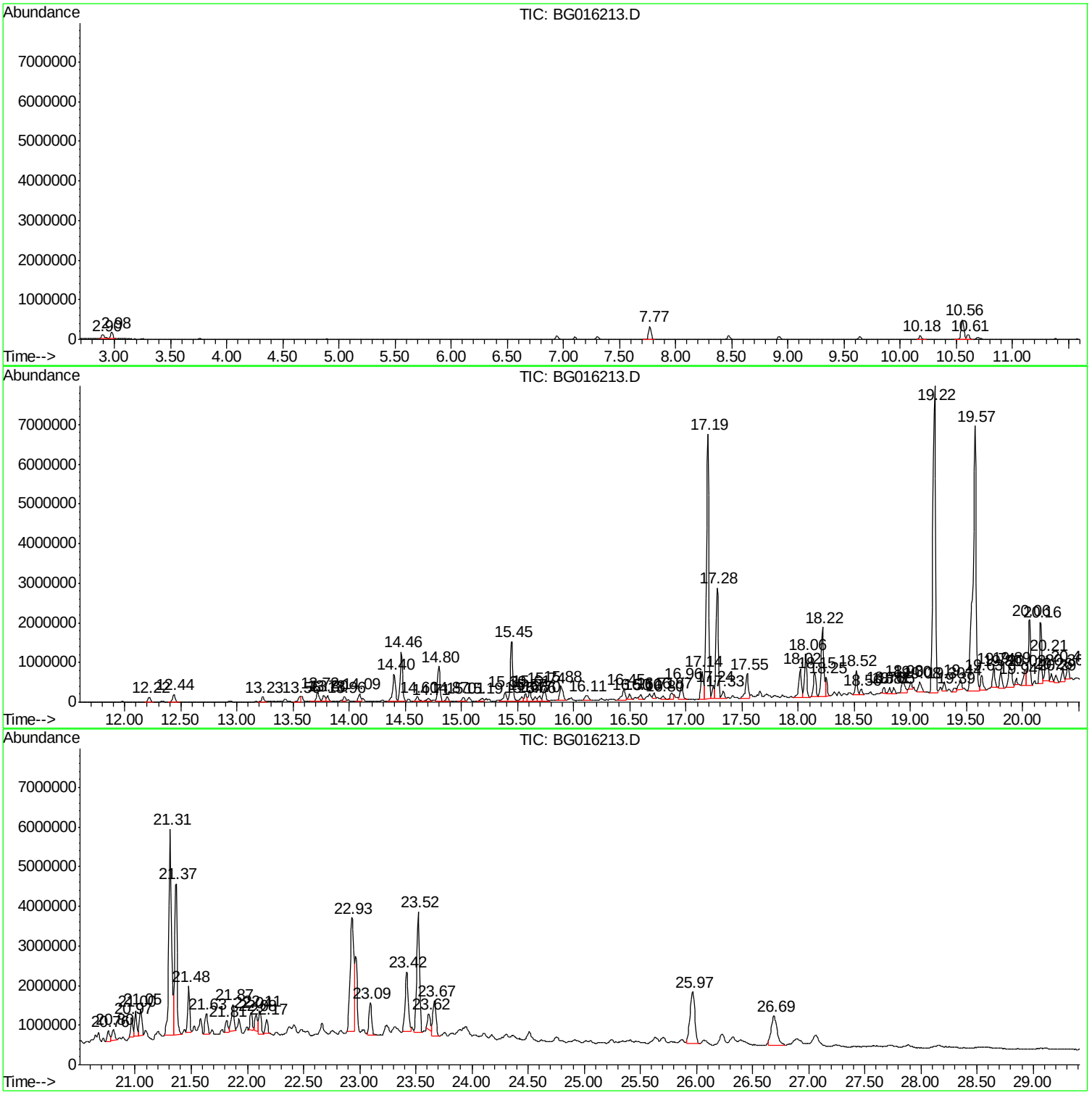
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
Data File : BG016213.D
Acq On : 31 Mar 2015 22:57
Operator : TP/IZ
Sample : G1647-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8

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\BG033115\
Data File : BG016213.D
Acq On : 31 Mar 2015 22:57
Operator : TP/IZ
Sample : G1647-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8

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

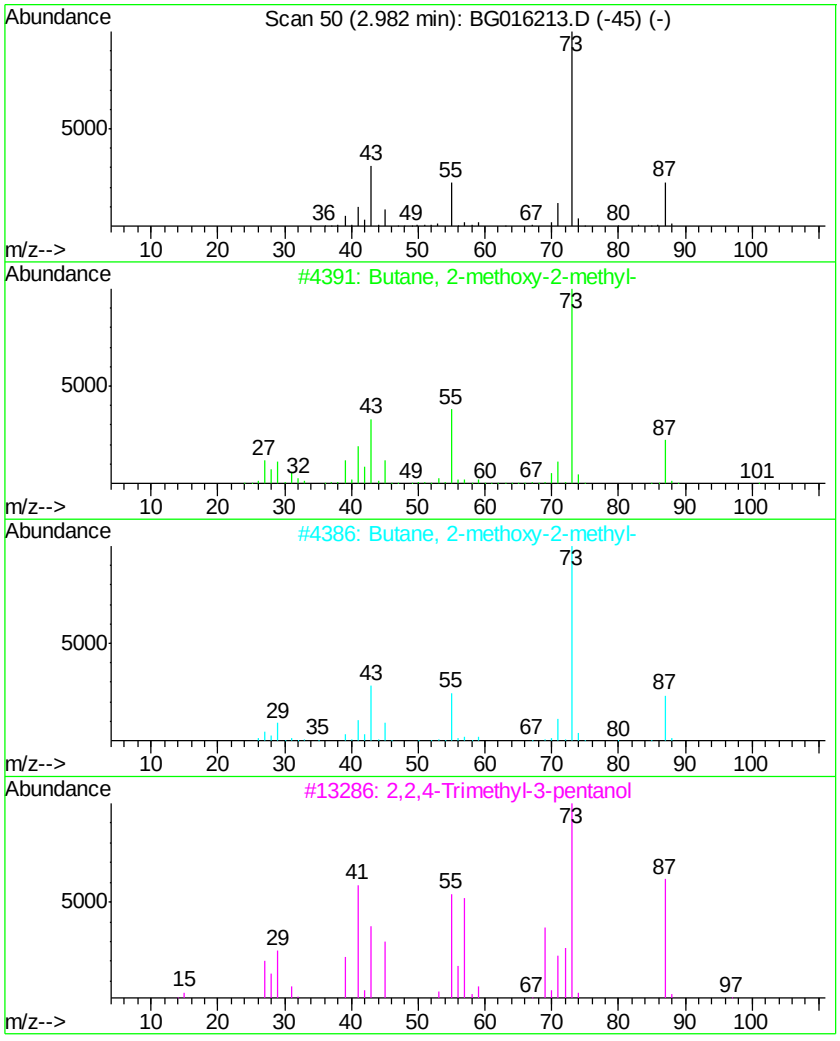
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

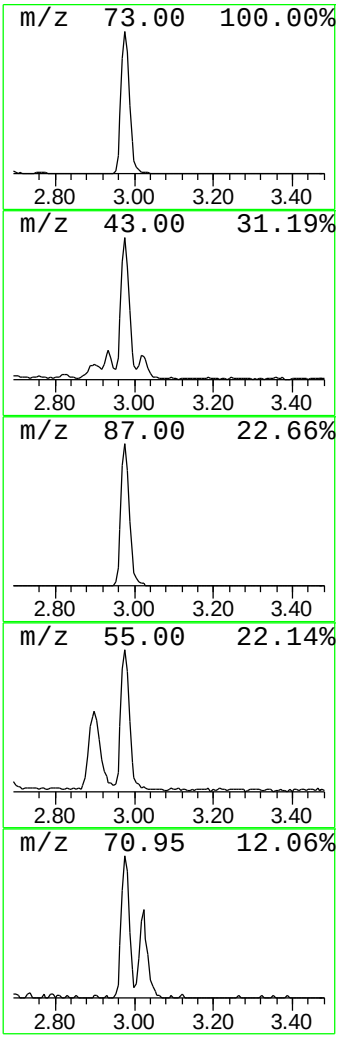
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.98	9.17 ng/ul	235329	1,4-Dichlorobenzene-d4	7.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	56
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	27
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
Data File : BG016213.D
Acq On : 31 Mar 2015 22:57
Operator : TP/IZ
Sample : G1647-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8

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

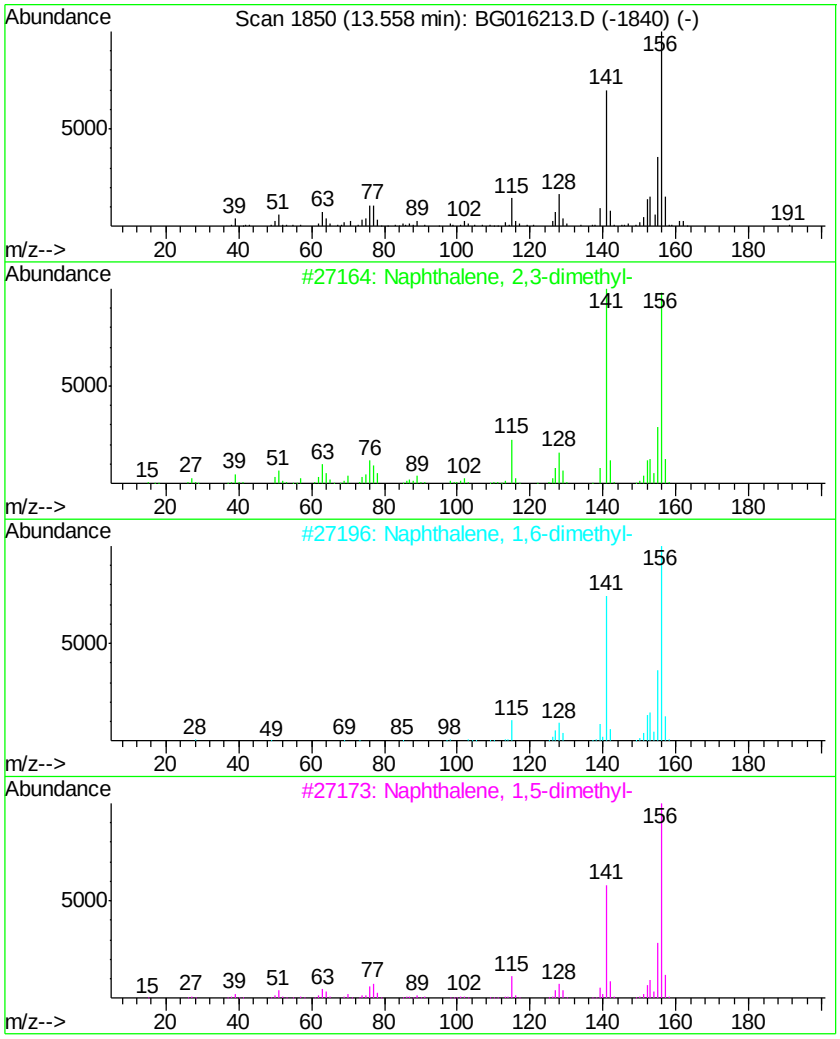
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

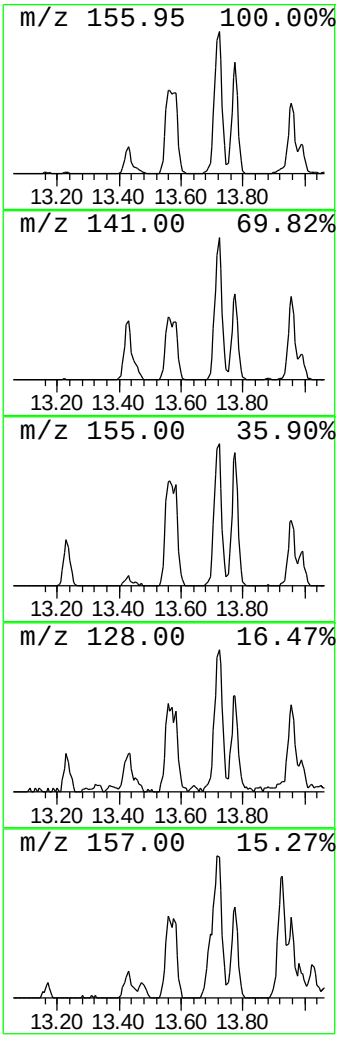
****

Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.56	3.49 ng/ul	206381	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	94





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
Data File : BG016213.D
Acq On : 31 Mar 2015 22:57
Operator : TP/IZ
Sample : G1647-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8

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

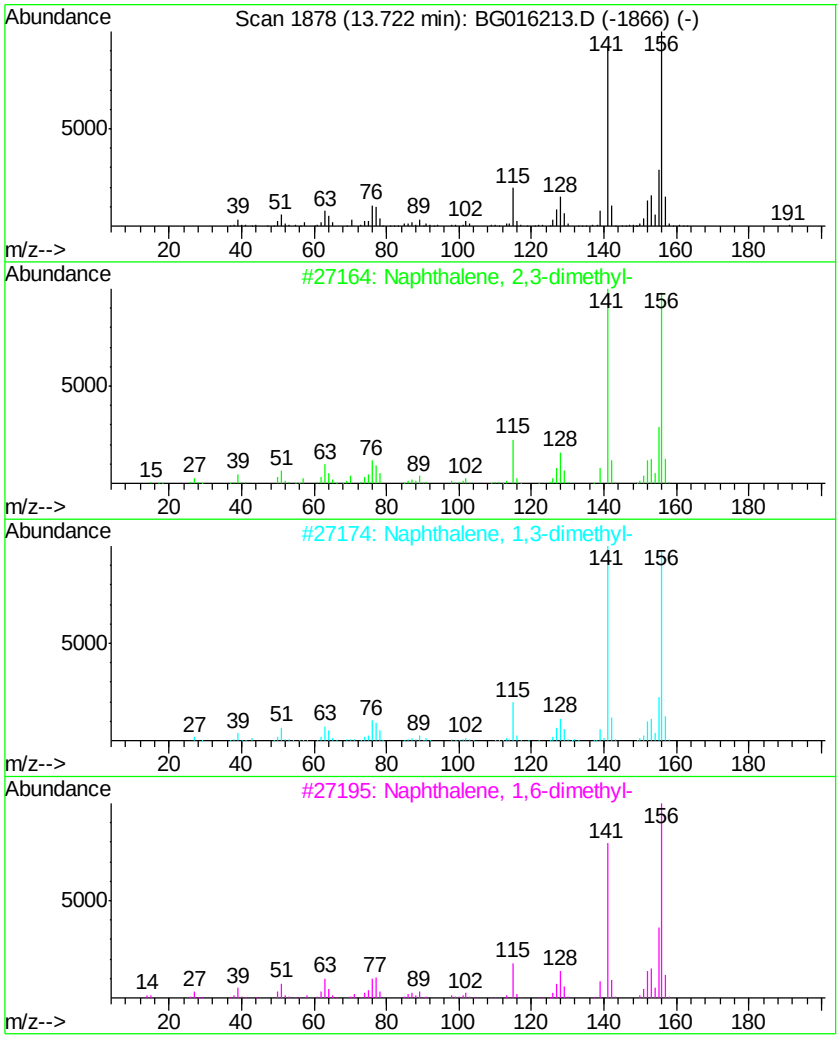
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

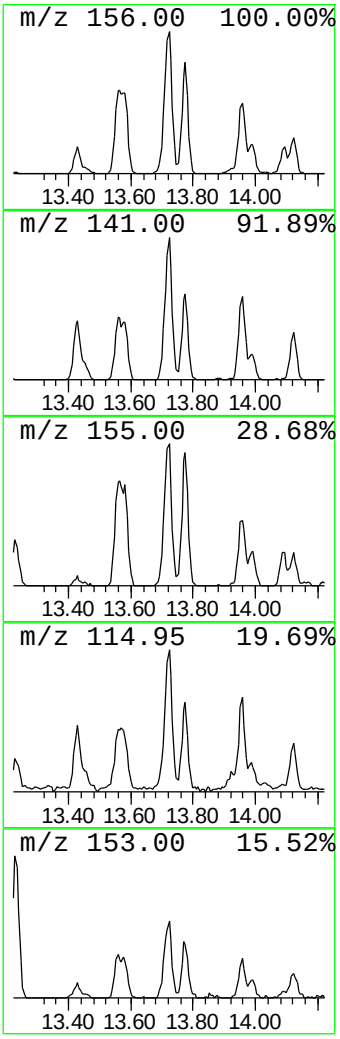
****

Peak Number 5 Naphthalene, 1,3-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	7.01 ng/ul	413952	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
Data File : BG016213.D
Acq On : 31 Mar 2015 22:57
Operator : TP/IZ
Sample : G1647-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8

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

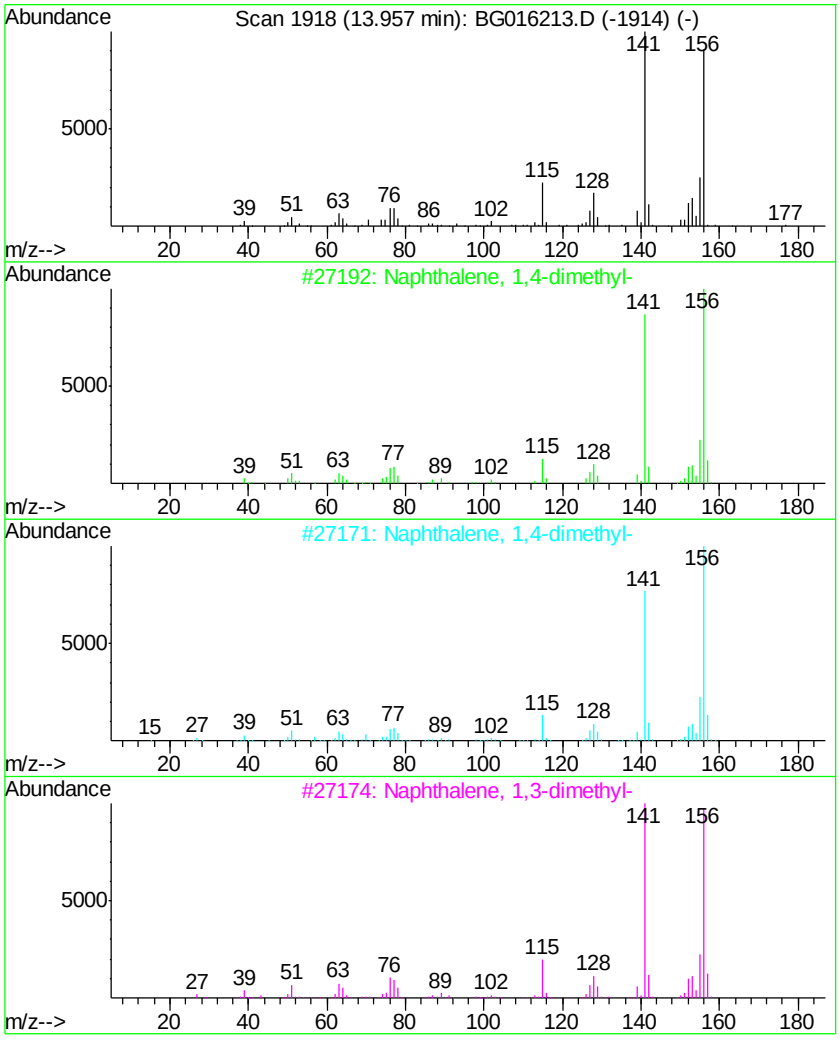
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

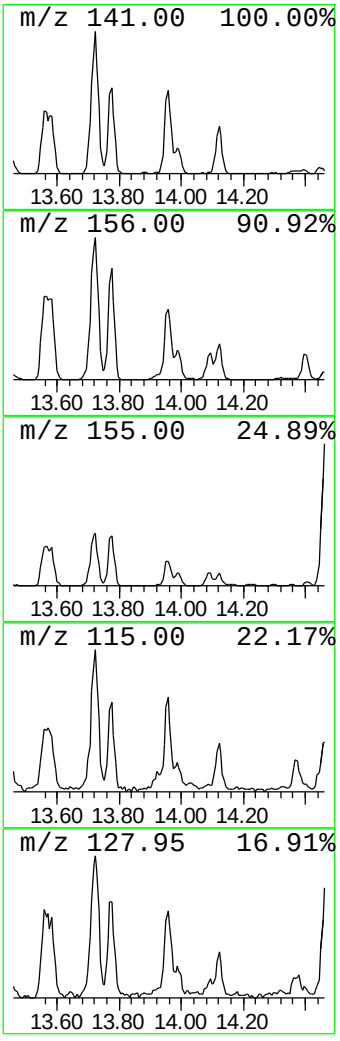
****

Peak Number 6 Naphthalene, 1,4-dimethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.96	3.05 ng/ul	180003	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
Data File : BG016213.D
Acq On : 31 Mar 2015 22:57
Operator : TP/IZ
Sample : G1647-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8

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

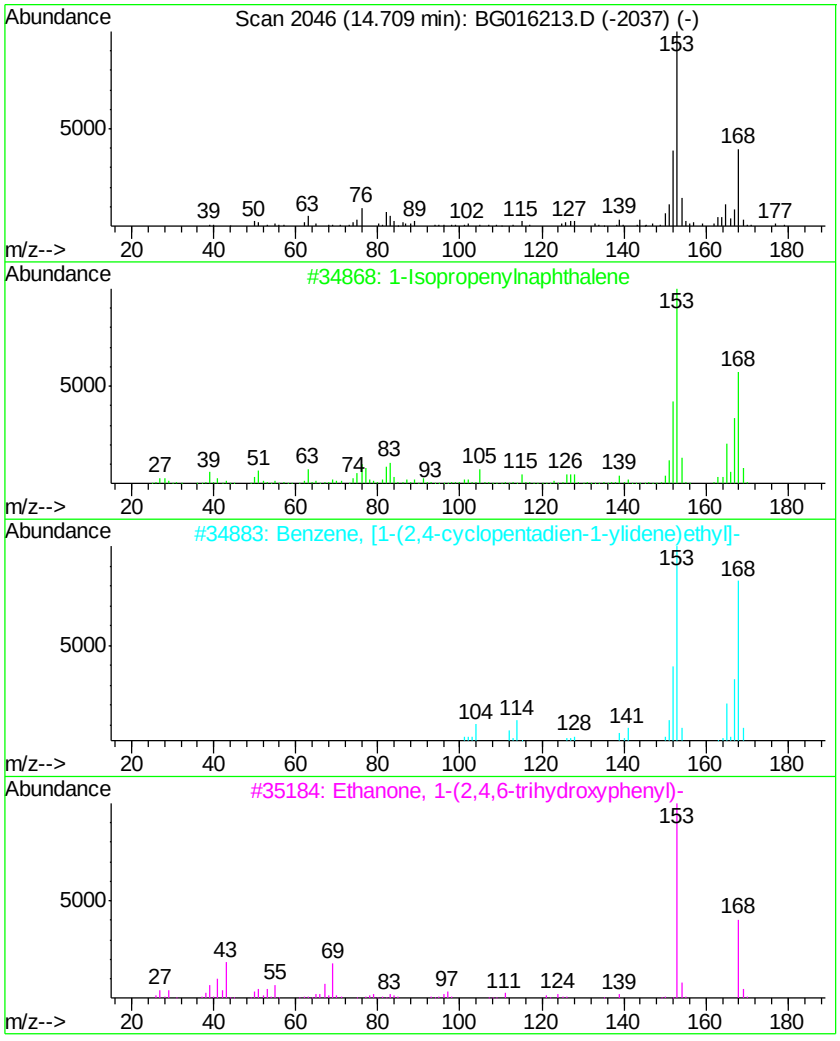
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

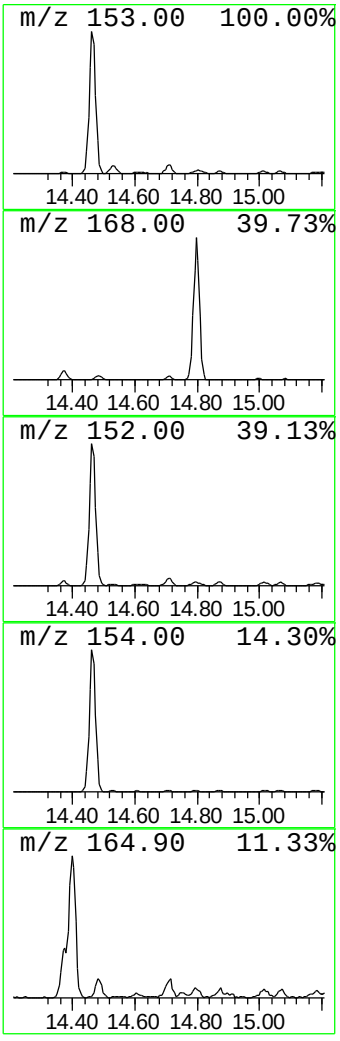
****

Peak Number 7 1-Isopropenylnaphthalene Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.71	2.66 ng/ul	157014	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	87
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	78
3	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	47
4	Acetophenone, 3'-fluoro-4'-methoxy-	168	C9H9FO2	000455-91-4	47
5	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	47





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Data File : BG016213.D
Acq On : 31 Mar 2015 22:57
Operator : TP/IZ
Sample : G1647-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8

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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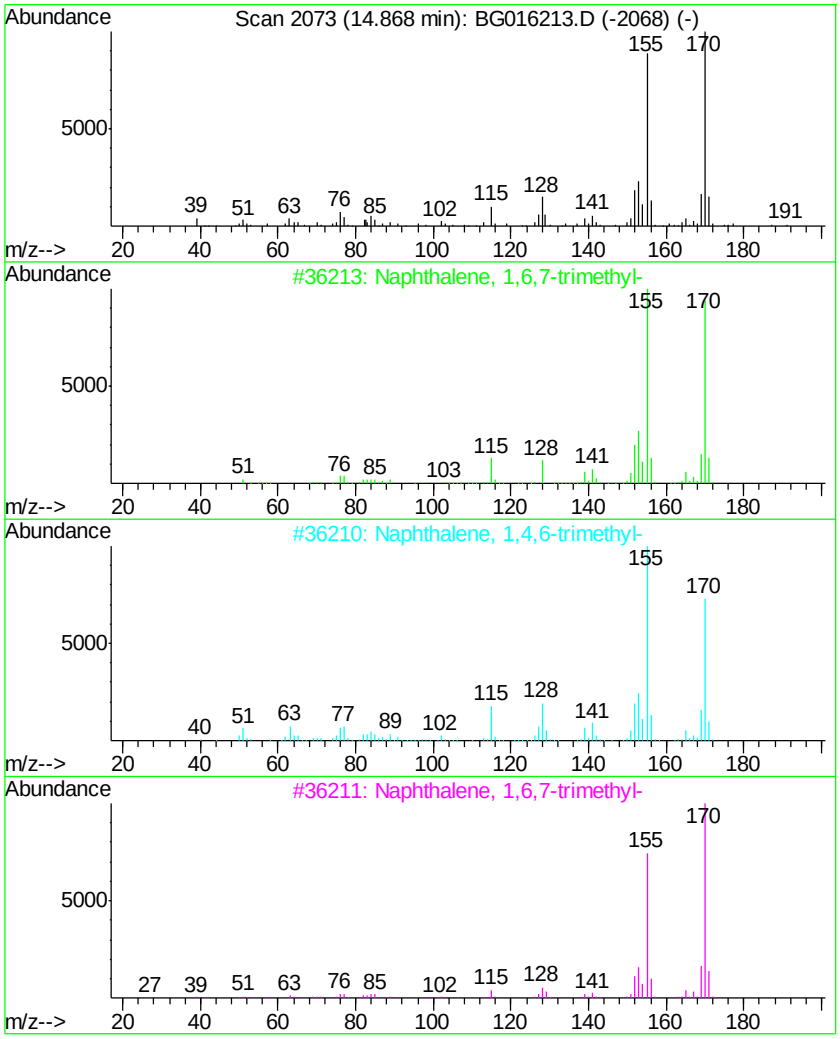
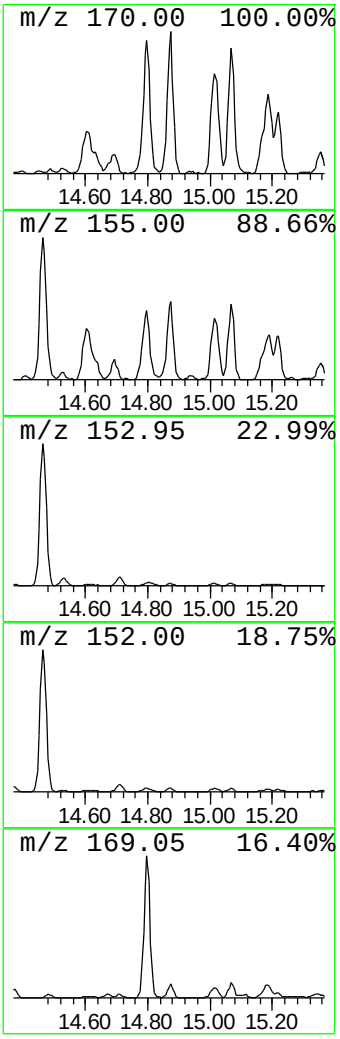
Peak Number 8 Naphthalene, 1,6,7-trimethyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	2.64 ng/ul	155959	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94





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Acq On : 31 Mar 2015 22:57
Operator : TP/IZ
Sample : G1647-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8

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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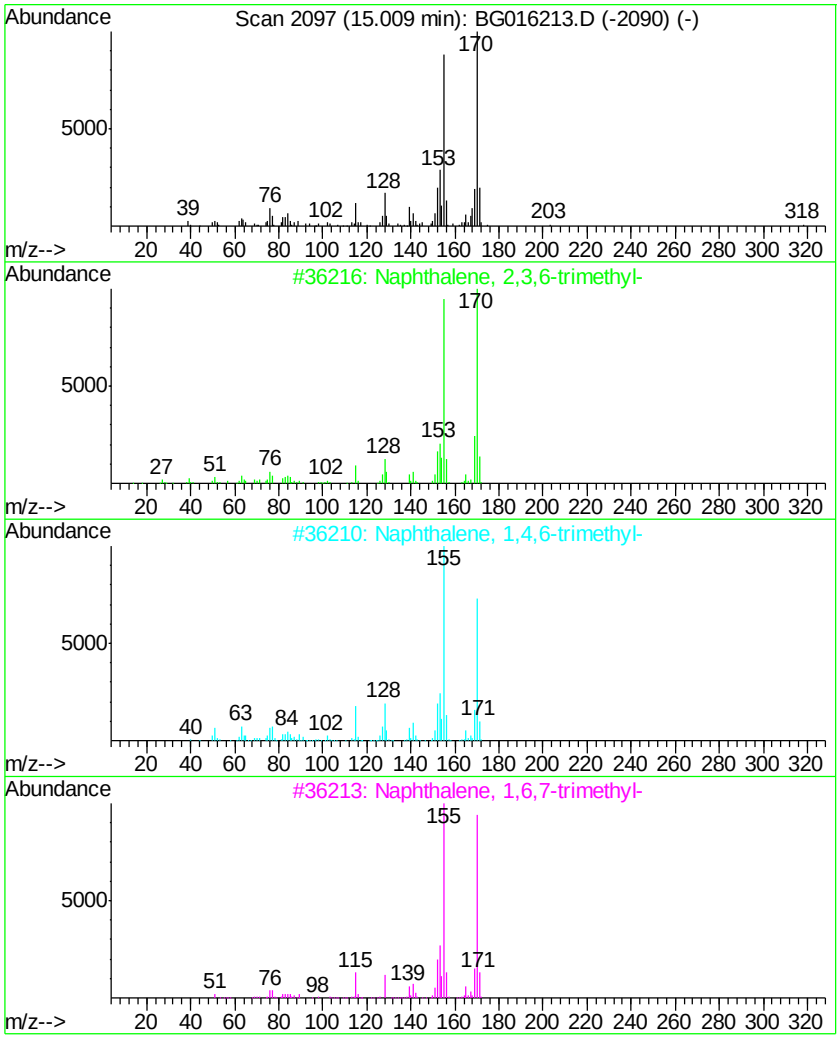
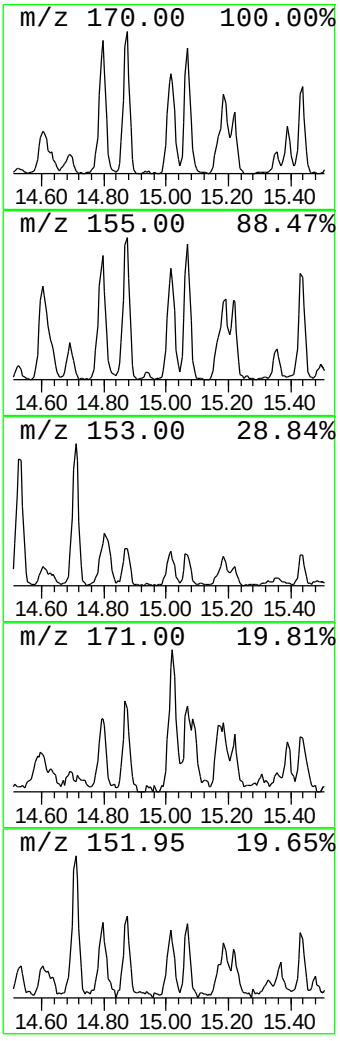
Peak Number 9 Naphthalene, 2,3,6-trimethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.01	2.95 ng/ul	174154	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94





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Misc :
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Instrument : BNA_G
ClientSampleId : C0AC8

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Quant Title : SVOA CALIBRATION

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

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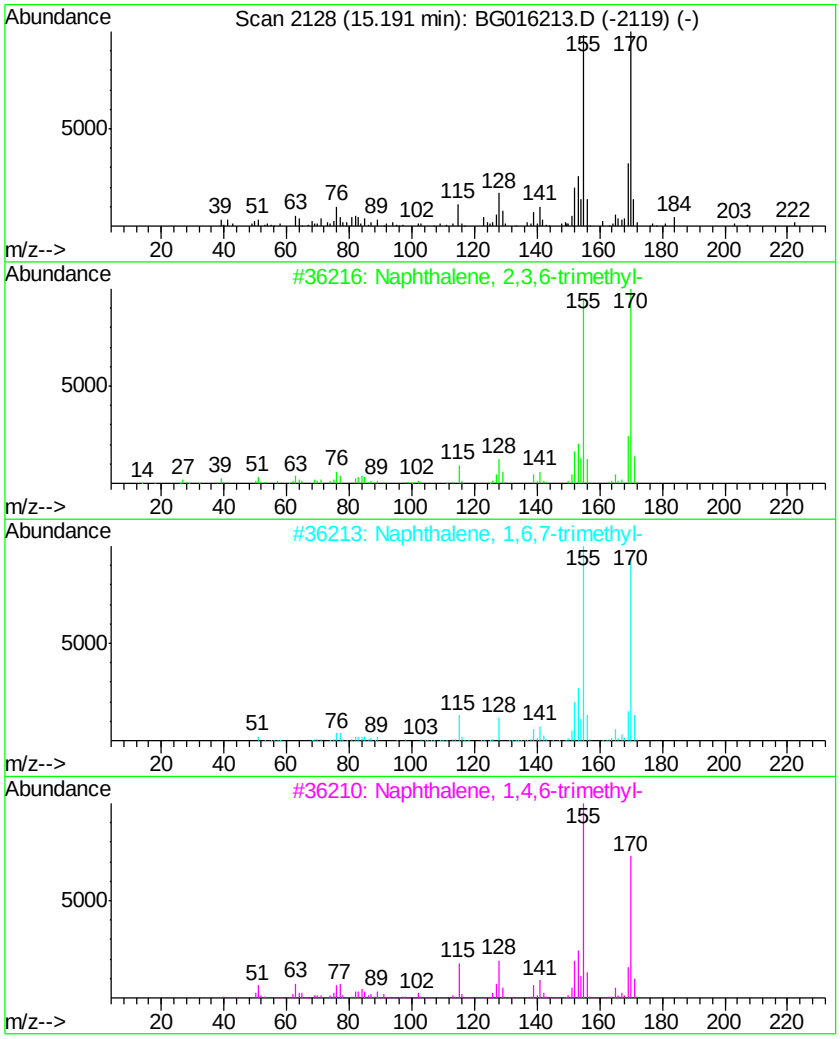
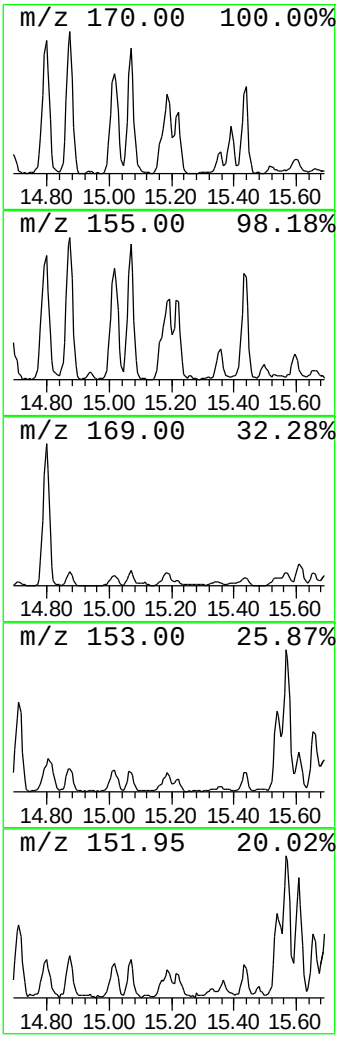
Peak Number 10 Naphthalene, 1,4,6-trimethyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	2.63 ng/ul	155309	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	91
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	91
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	91





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Sample : G1647-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8

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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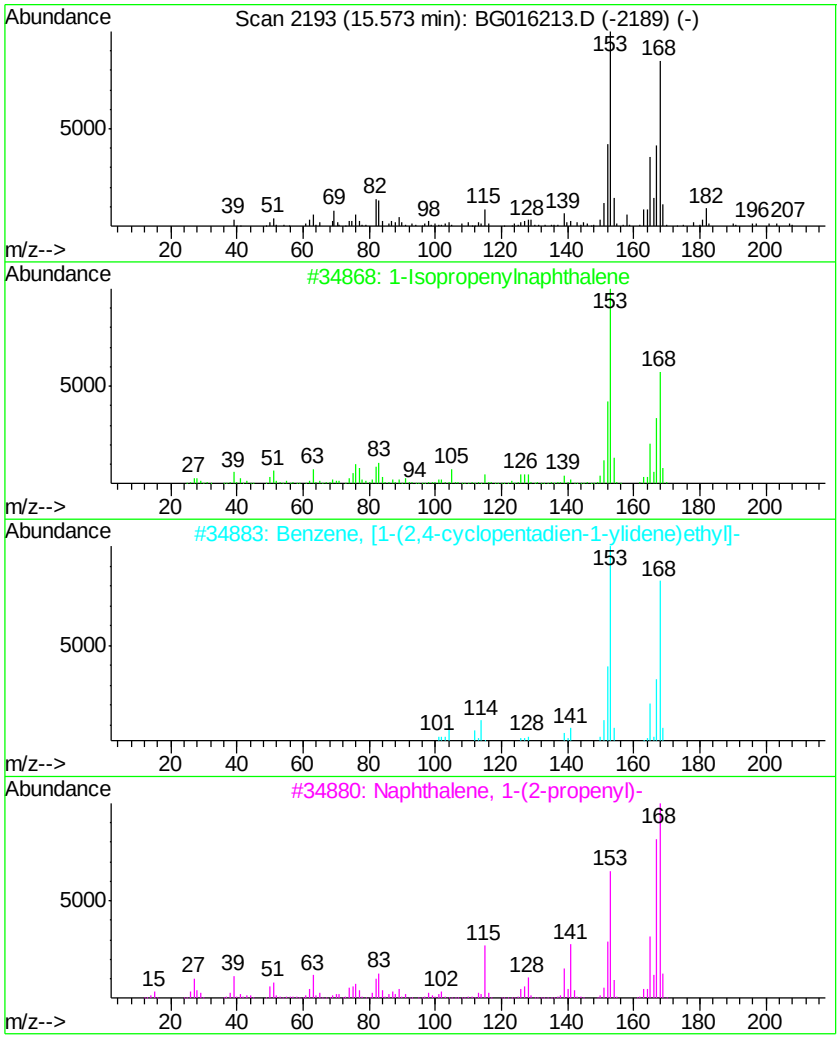
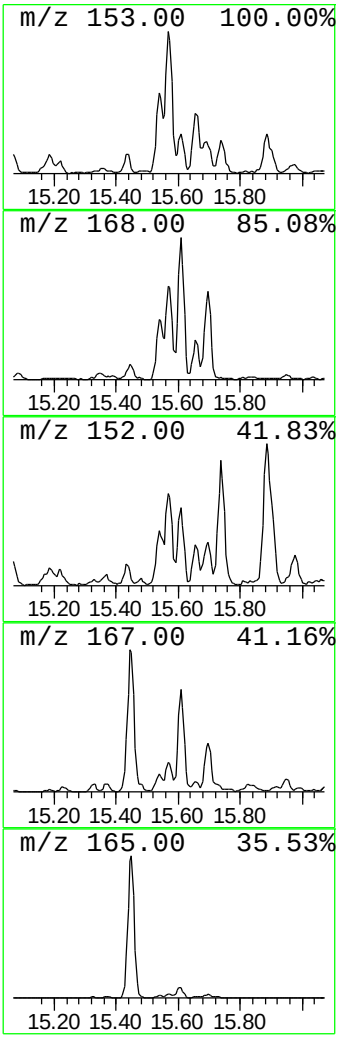
Peak Number 11 Benzene, [1-(2,4-cyclopenta... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	4.39 ng/ul	259085	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	94
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	83
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	68
4	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	53
5	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	50





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Acq On : 31 Mar 2015 22:57
Operator : TP/IZ
Sample : G1647-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8

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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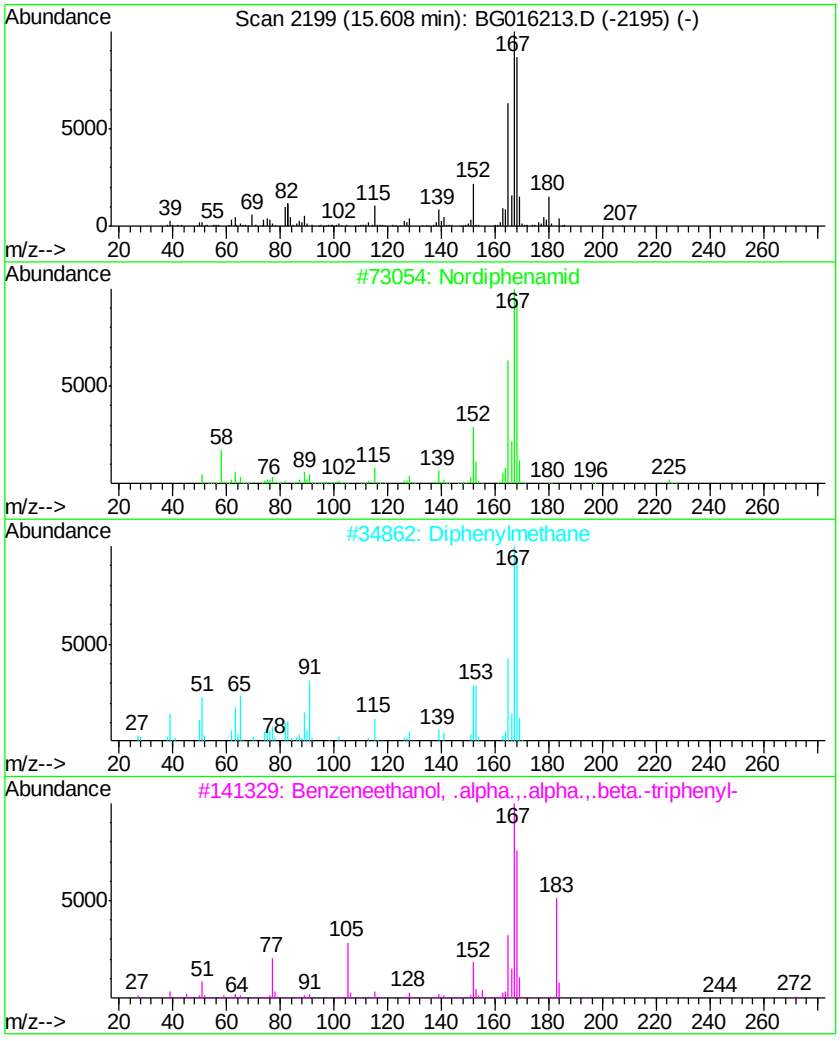
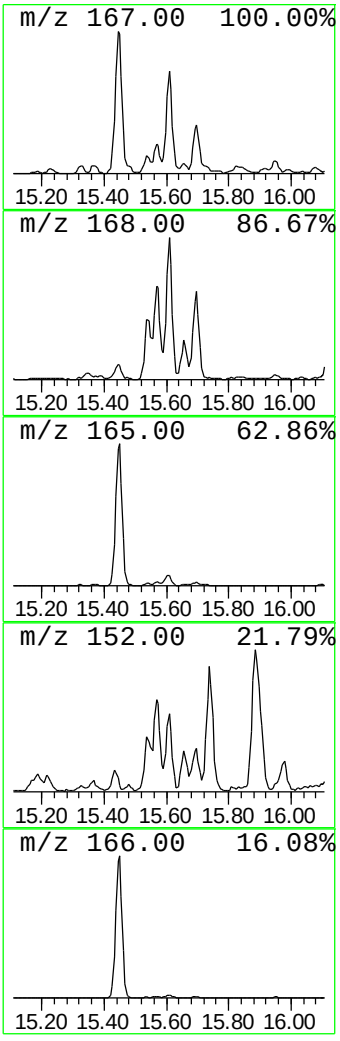
Peak Number 12 Nordiphenamid Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.61	6.88 ng/ul	406072	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	80
2	Diphenylmethane	168	C13H12	000101-81-5	70
3	Benzeneethanol, .alpha.,.alpha.,...	350	C26H22O	000981-24-8	64
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	62
5	Diphenylmethane	168	C13H12	000101-81-5	62





Library Search Compound Report

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Sample : G1647-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8

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Quant Title : SVOA CALIBRATION

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

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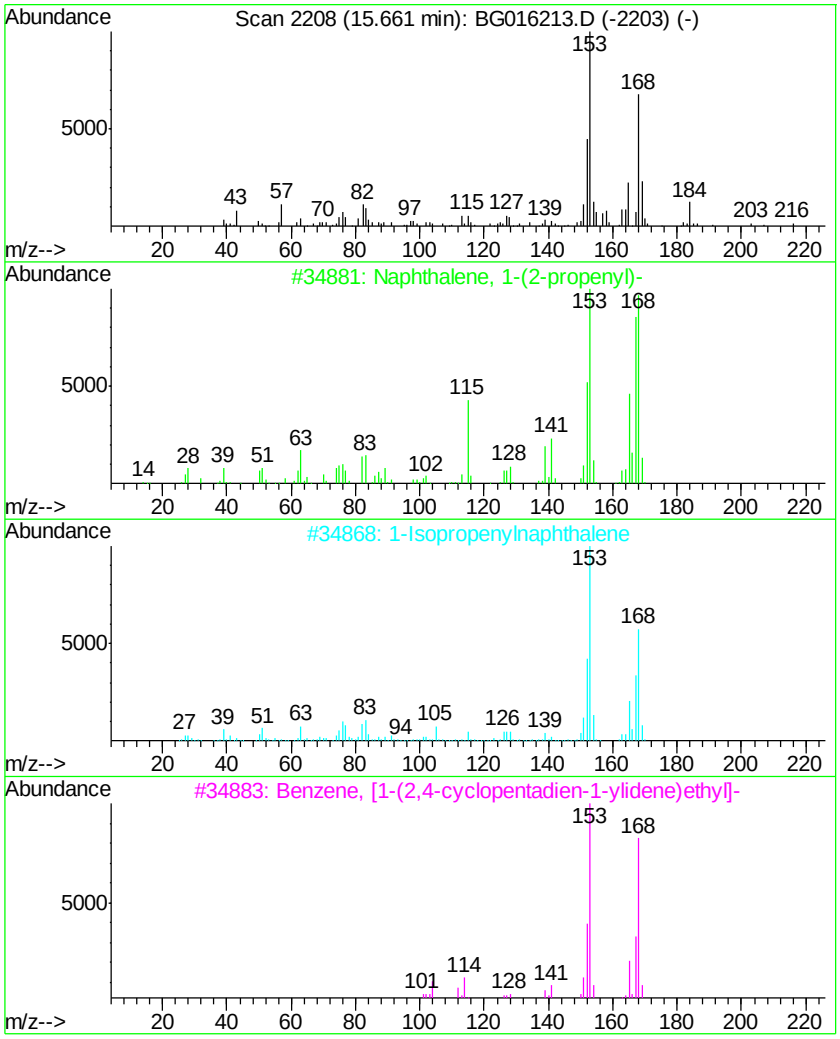
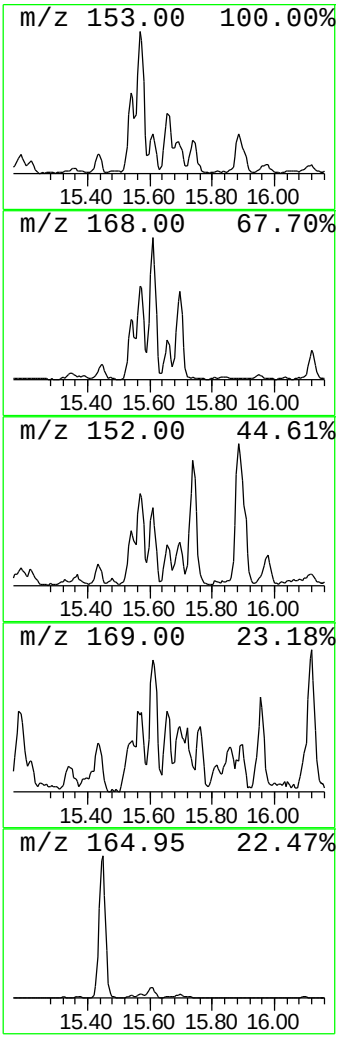
Peak Number 13 Naphthalene, 1-(2-propenyl)- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	2.70 ng/ul	159429	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	72
2	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	68
3	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	64
4	2-Fluoro-4-methoxyacetophenone	168	C9H9FO2	074457-86-6	47
5	Acetophenone, 3'-fluoro-4'-methoxy-	168	C9H9FO2	000455-91-4	47





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Operator : TP/IZ
Sample : G1647-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8

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Quant Title : SVOA CALIBRATION

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

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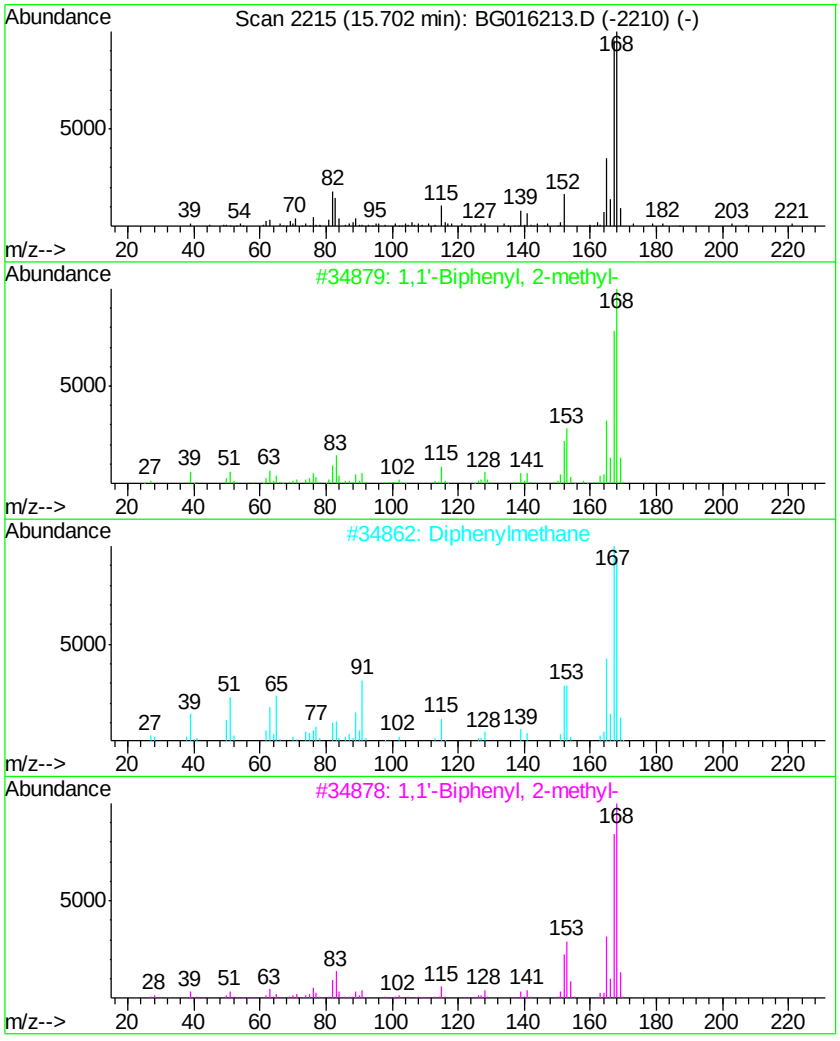
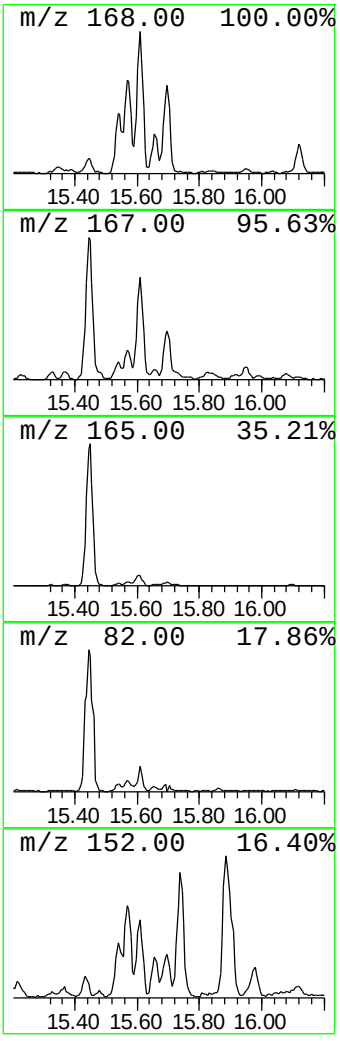
Peak Number 14 1,1'-Biphenyl, 2-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.70	3.42 ng/ul	201942	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	91
2	Diphenylmethane	168	C13H12	000101-81-5	90
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	83
4	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	80
5	Diphenylmethane	168	C13H12	000101-81-5	80





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Sample : G1647-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8

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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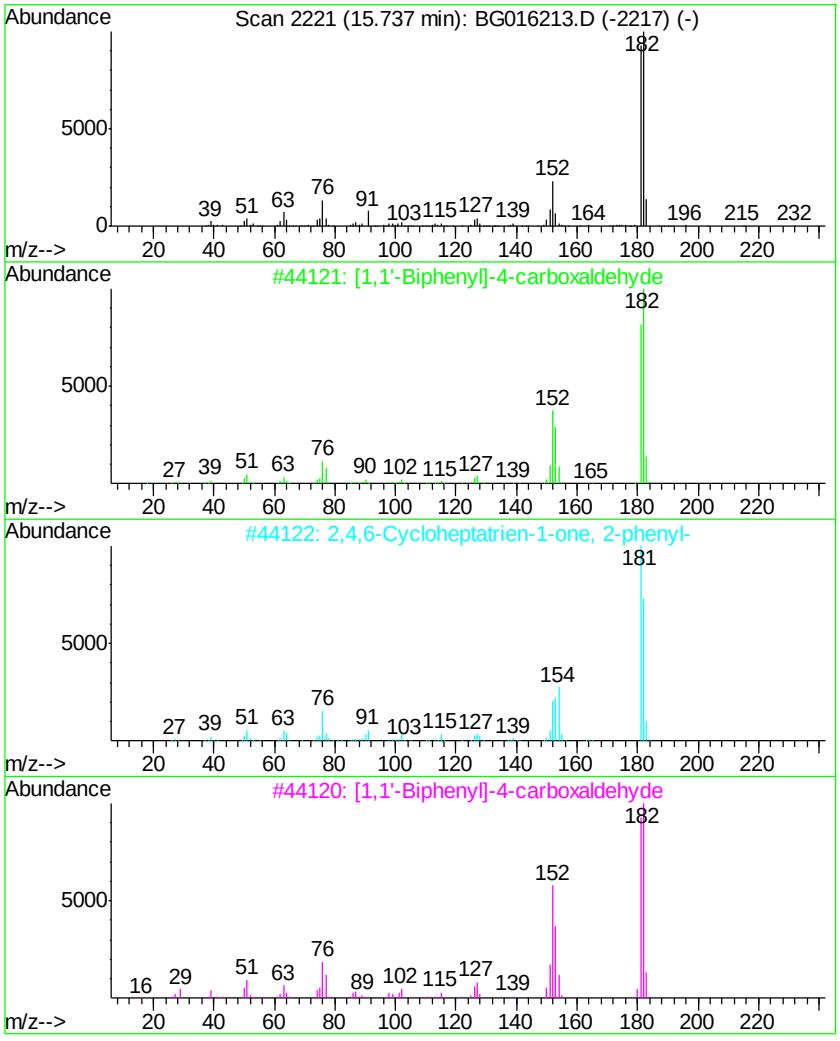
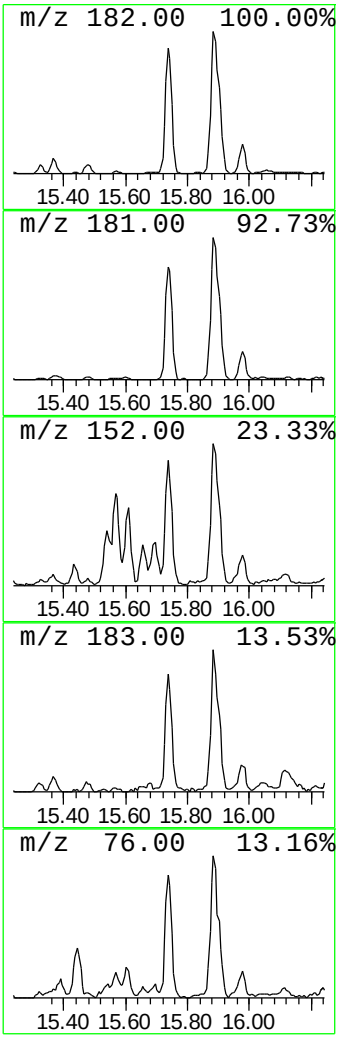
Peak Number 15 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.74	8.43 ng/ul	497869	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	76





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Sample : G1647-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8

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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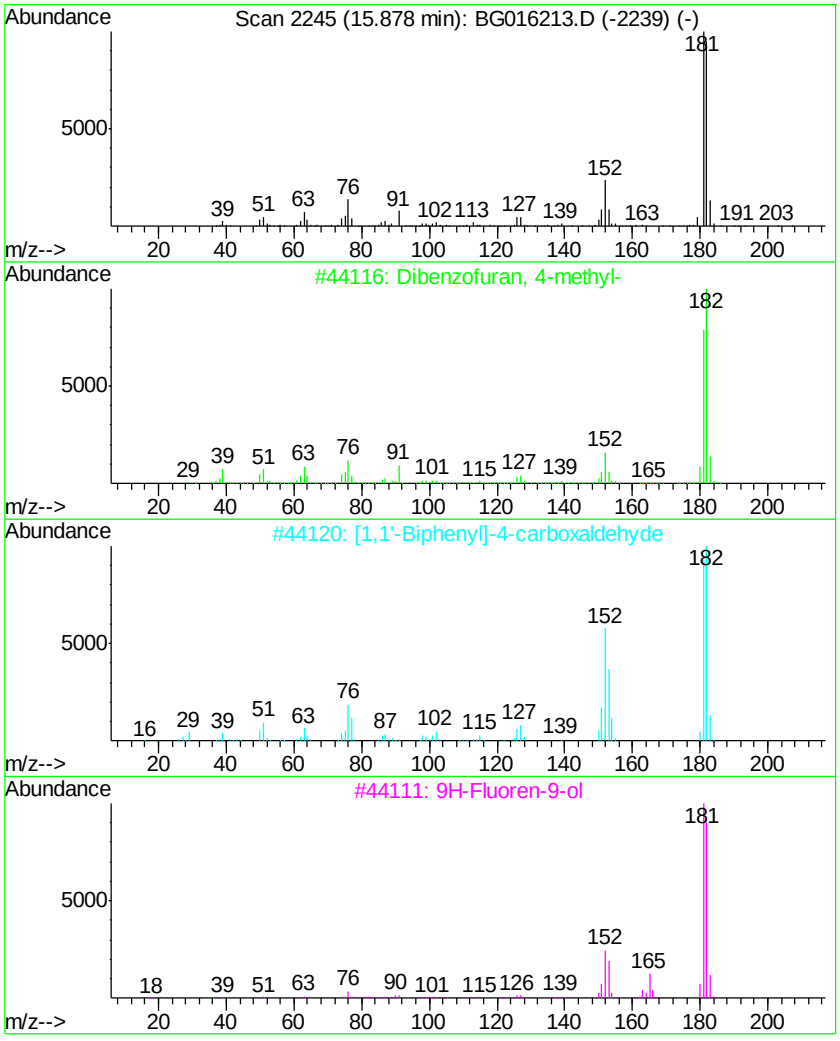
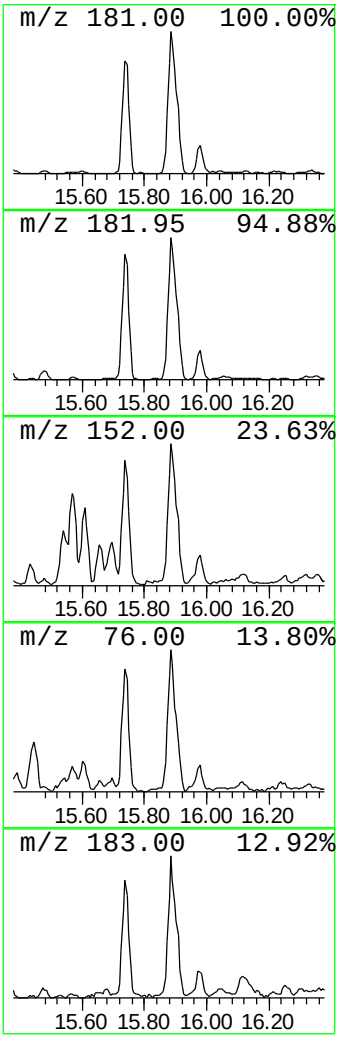
Peak Number 16 Dibenzofuran, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	13.38 ng/ul	734113	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	93
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	80
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	9H-Xanthene	182	C13H10O	000092-83-1	64
5	9H-Xanthene	182	C13H10O	000092-83-1	60





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ALS Vial : 16 Sample Multiplier: 1

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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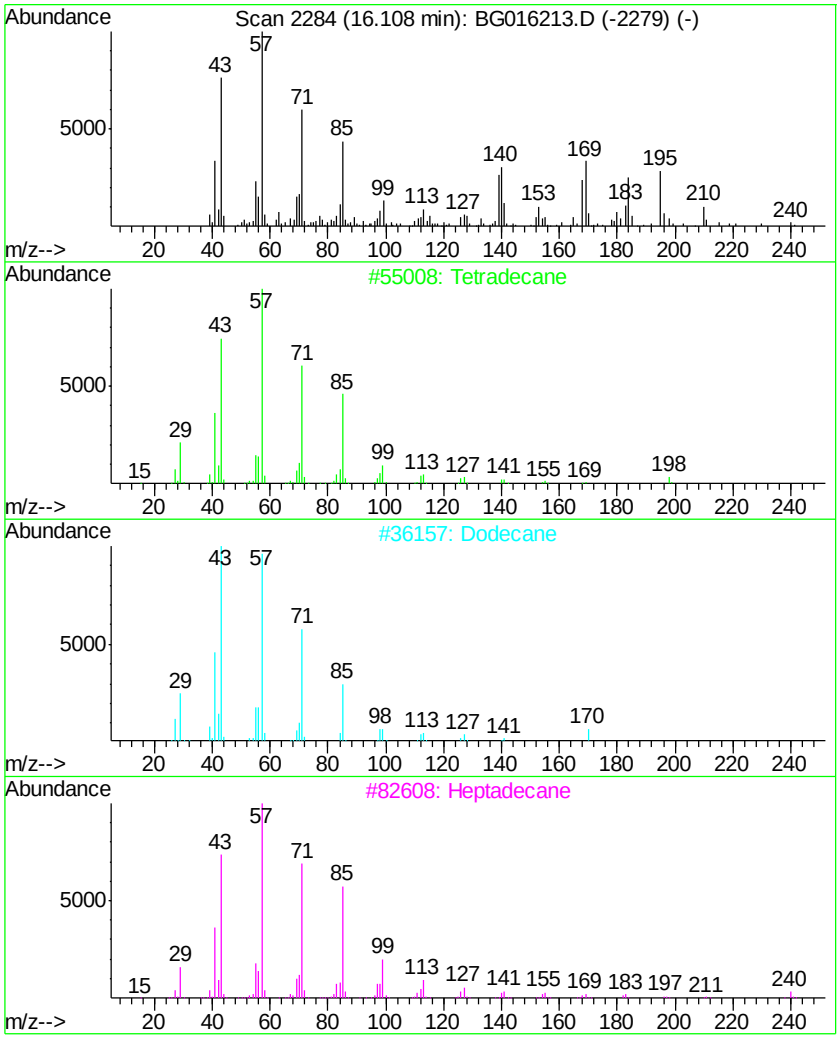
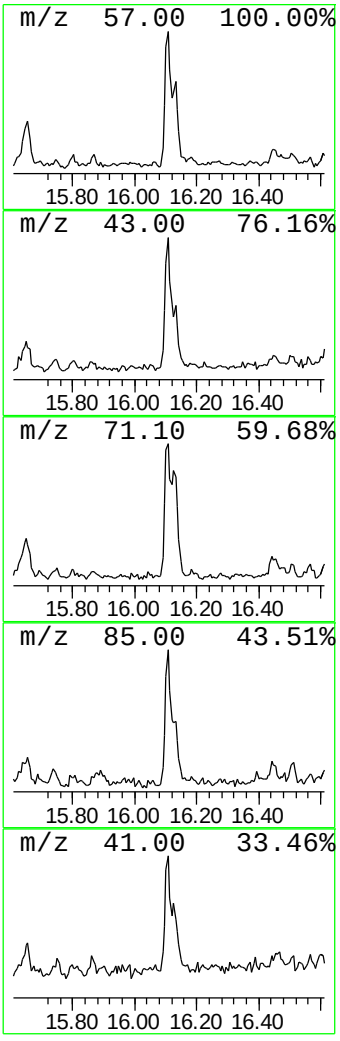
Peak Number 17 (DEL) Alkane: Straight-Chain Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.11	5.56 ng/ul	304775	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	80
2	Dodecane	170	C12H26	000112-40-3	72
3	Heptadecane	240	C17H36	000629-78-7	70
4	Dodecane	170	C12H26	000112-40-3	70
5	Tetradecane	198	C14H30	000629-59-4	42





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Instrument : BNA_G
ClientSampleId : C0AC8

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Quant Title : SVOA CALIBRATION

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

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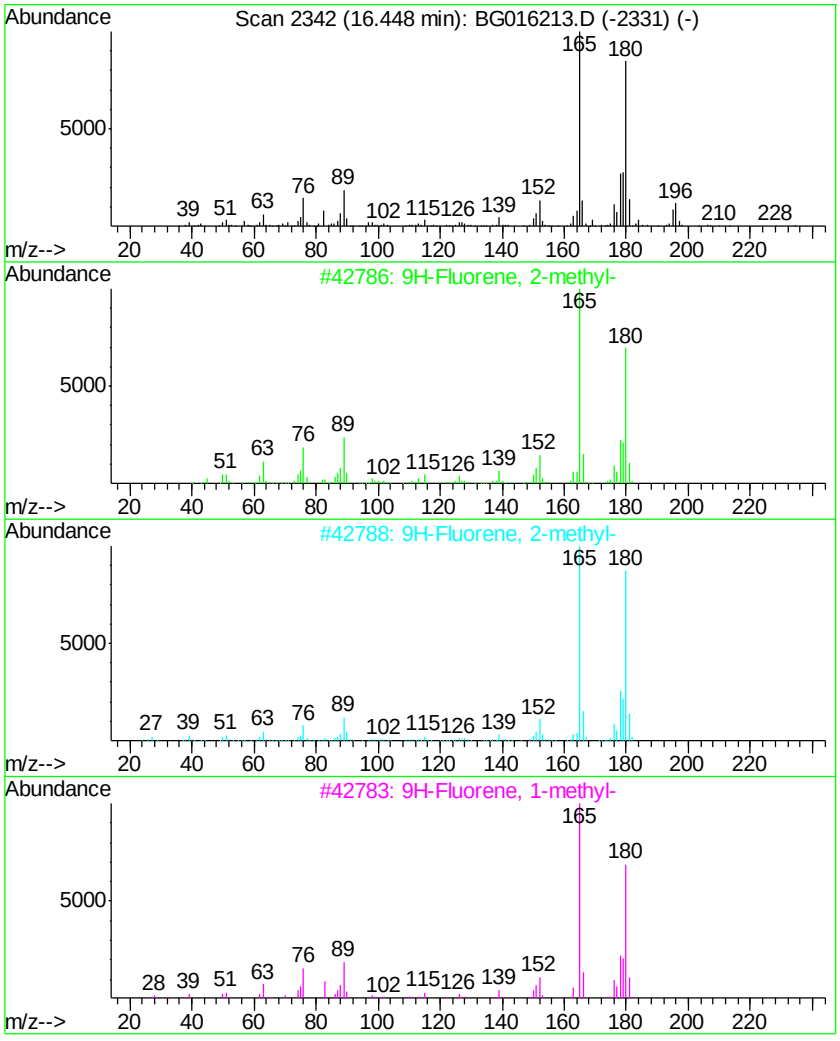
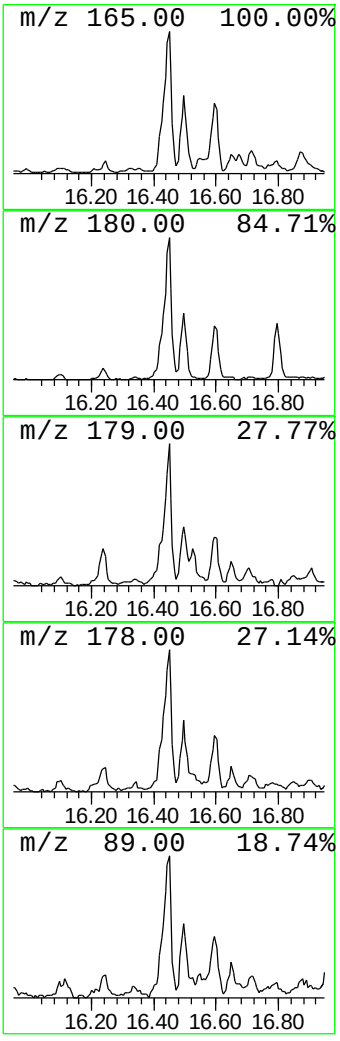
Peak Number 18 9H-Fluorene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.45	10.68 ng/ul	585964	Phenanthrene-d10	17.14

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	94
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	94
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	91





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Acq On : 31 Mar 2015 22:57
Operator : TP/IZ
Sample : G1647-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8

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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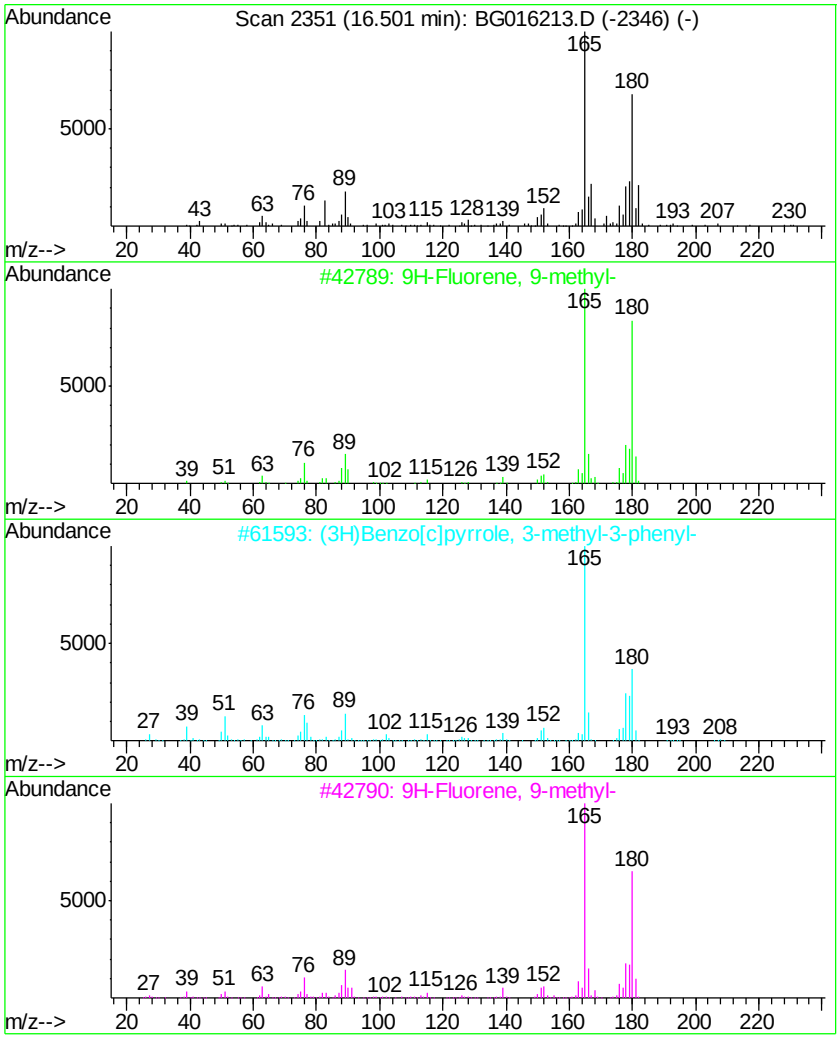
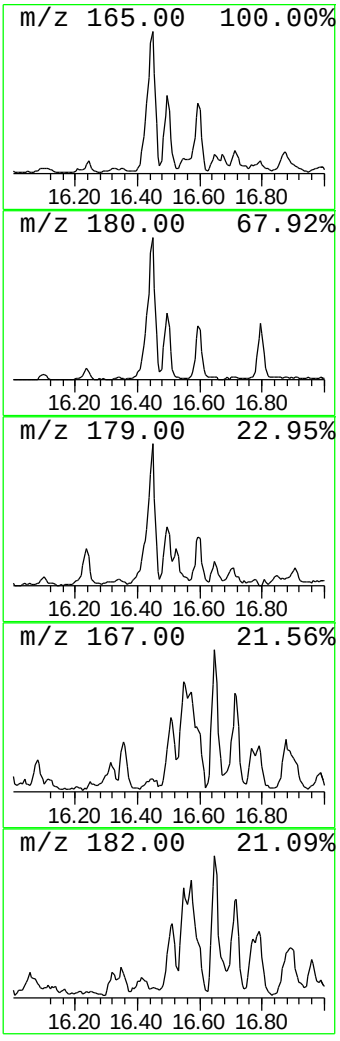
Peak Number 19 9H-Fluorene, 9-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.50	3.29 ng/ul	180520	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
2	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	89
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	76
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	70





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Misc :
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Instrument : BNA_G
ClientSampleId : C0AC8

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Quant Title : SVOA CALIBRATION

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

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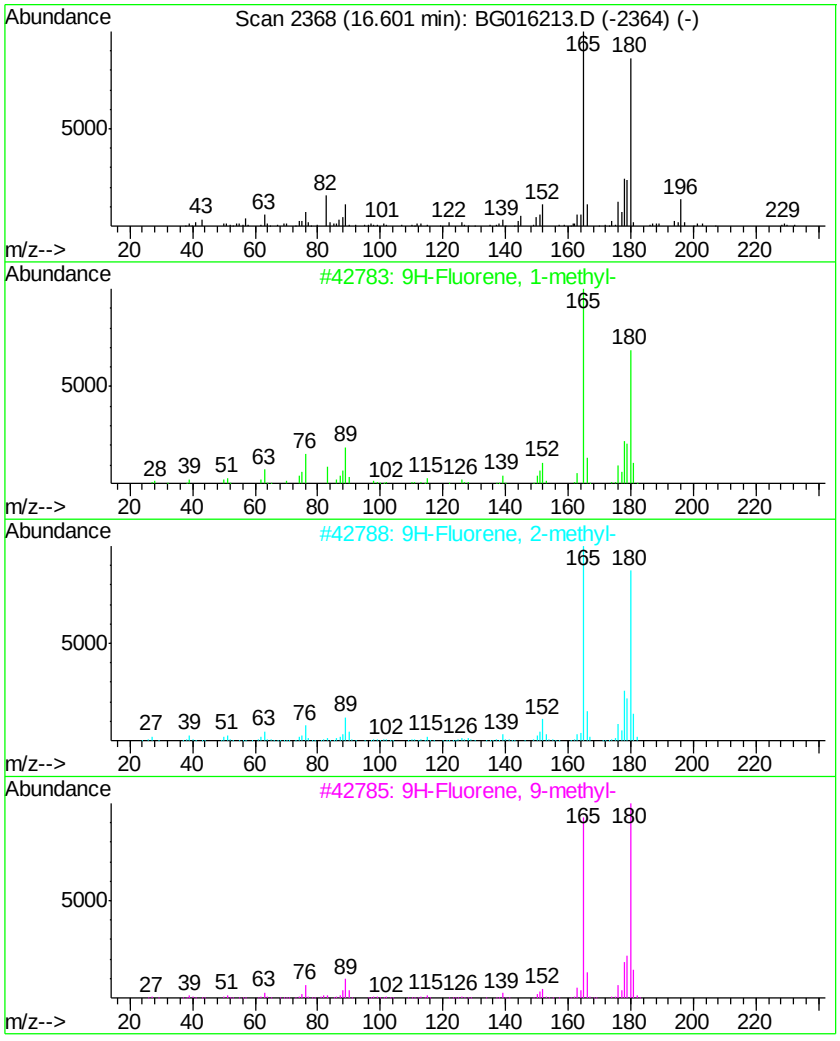
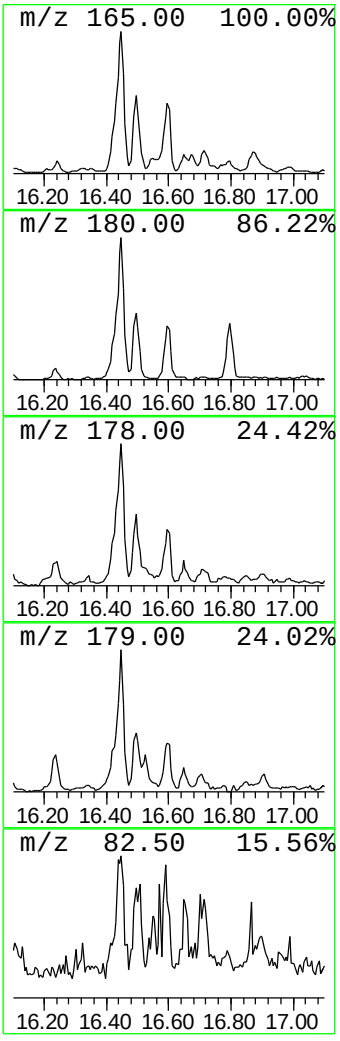
Peak Number 20 9H-Fluorene, 1-methyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.60	3.15 ng/ul	172659	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	90
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	81





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Instrument : BNA_G
ClientSampleId : C0AC8

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Quant Title : SVOA CALIBRATION

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

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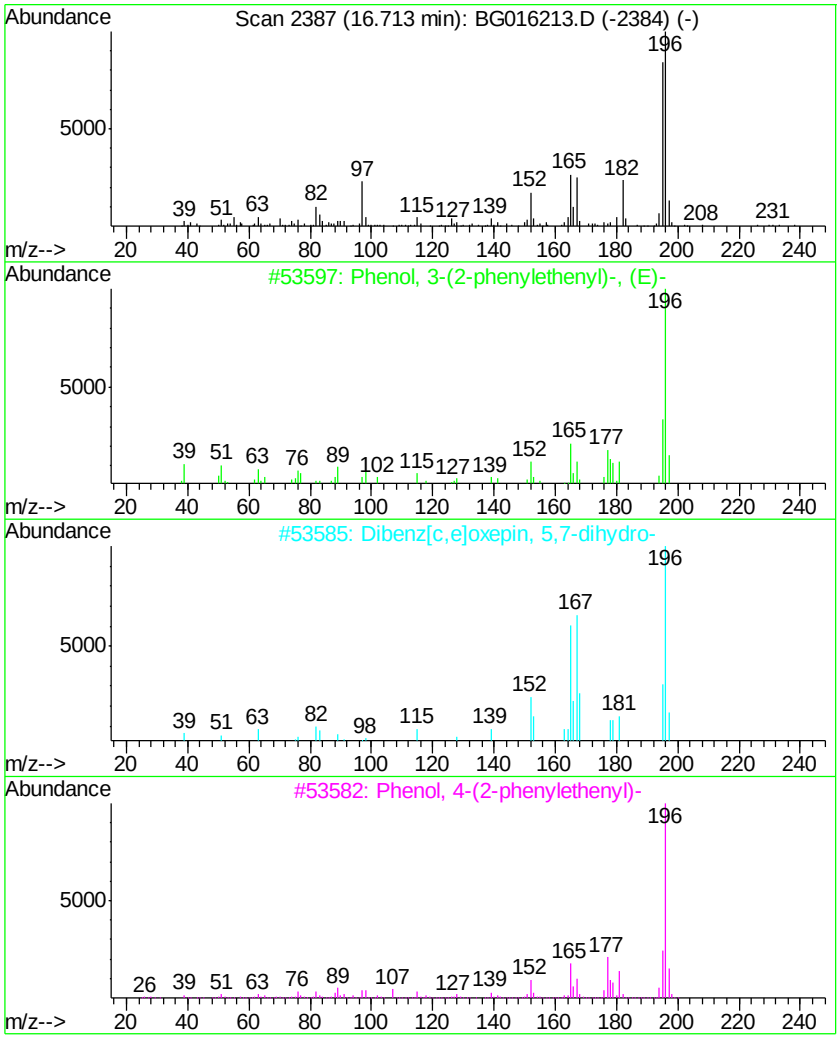
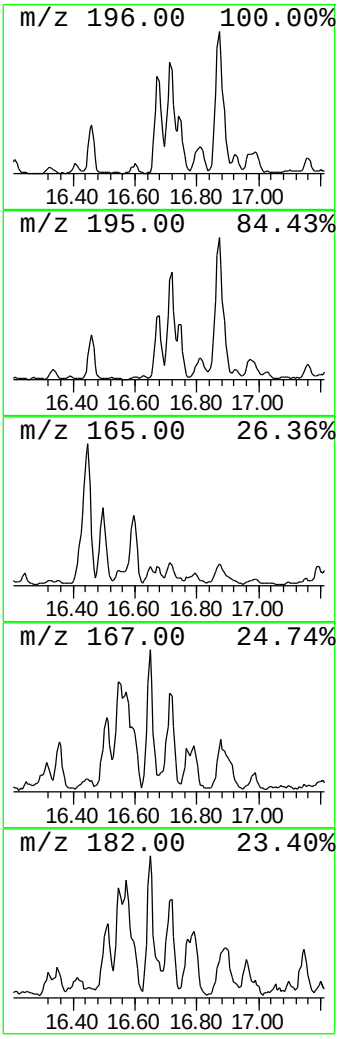
Peak Number 21 unknown16.71 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.71	3.04 ng/ul	166957	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	49
2	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	49
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	49
4	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	43
5	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	43





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Quant Title : SVOA CALIBRATION

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

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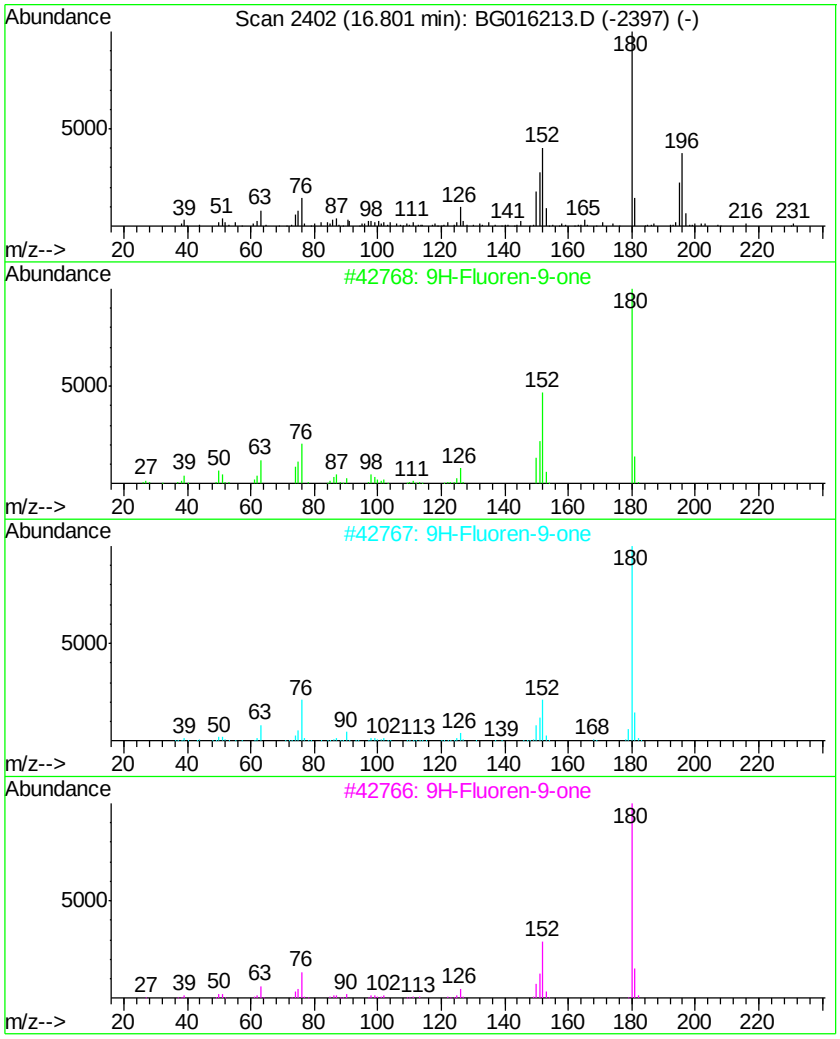
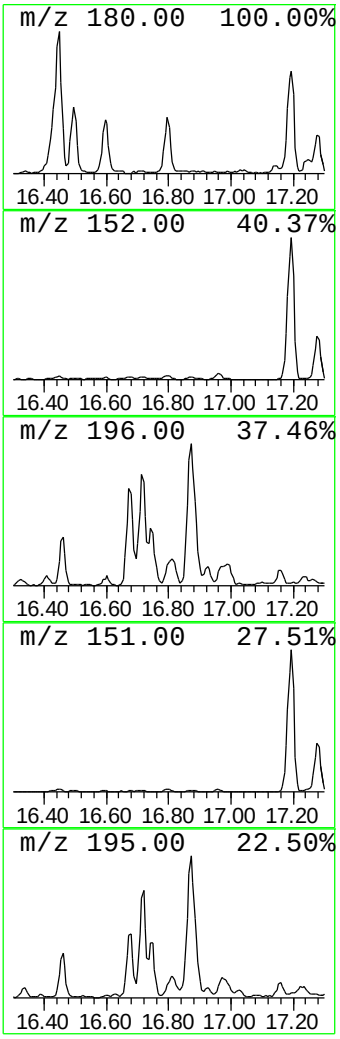
Peak Number 22 9H-Fluoren-9-one Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	2.86 ng/ul	156720	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	76
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	64
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	64





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Quant Title : SVOA CALIBRATION

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

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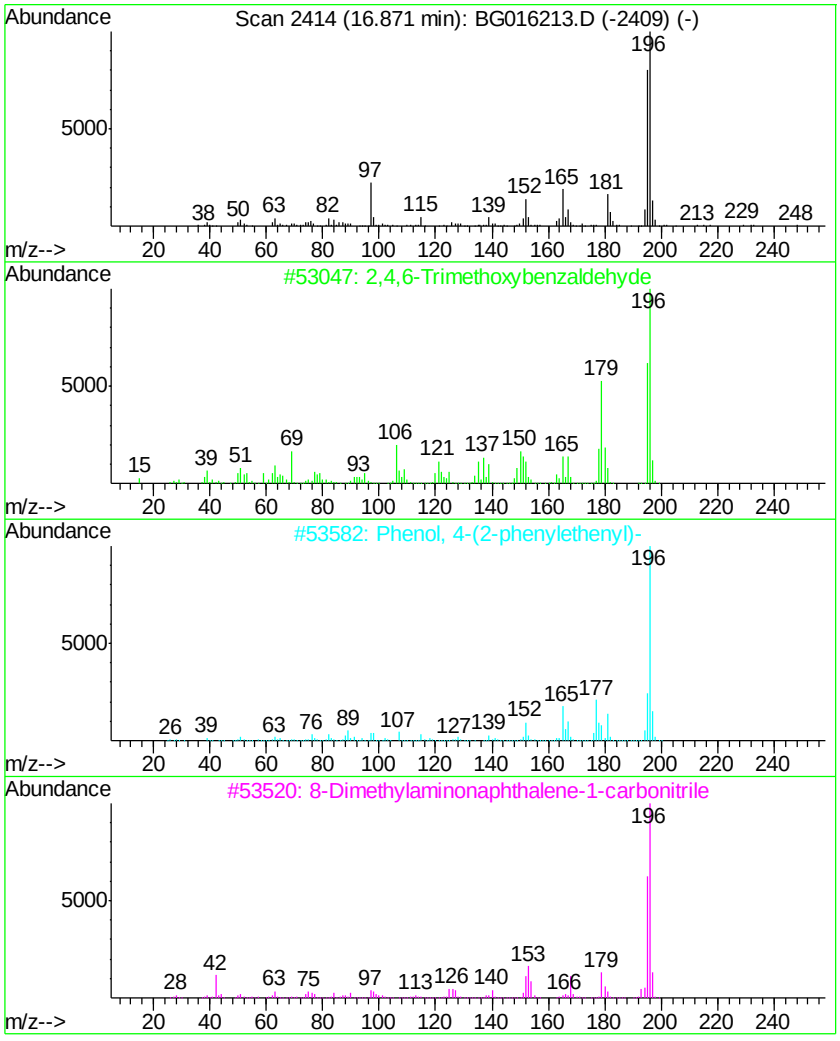
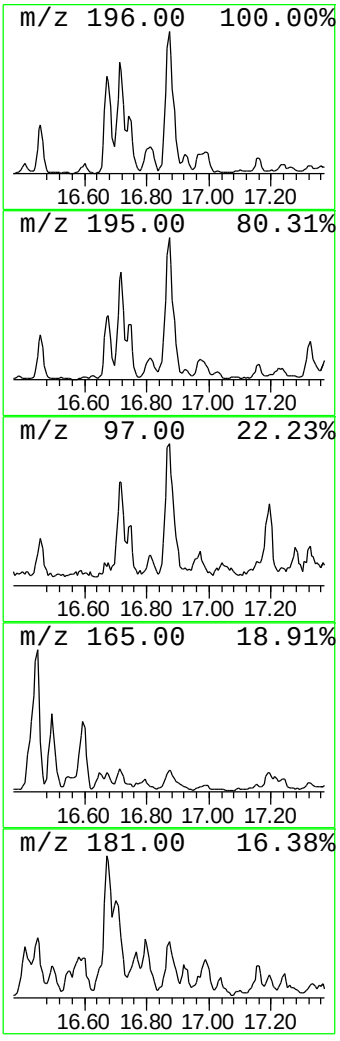
Peak Number 23 2,4,6-Trimethoxybenzaldehyde Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.87	5.27 ng/ul	289265	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	80
2	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	64
3	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	64
4	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	53
5	Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	47





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Quant Title : SVOA CALIBRATION

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

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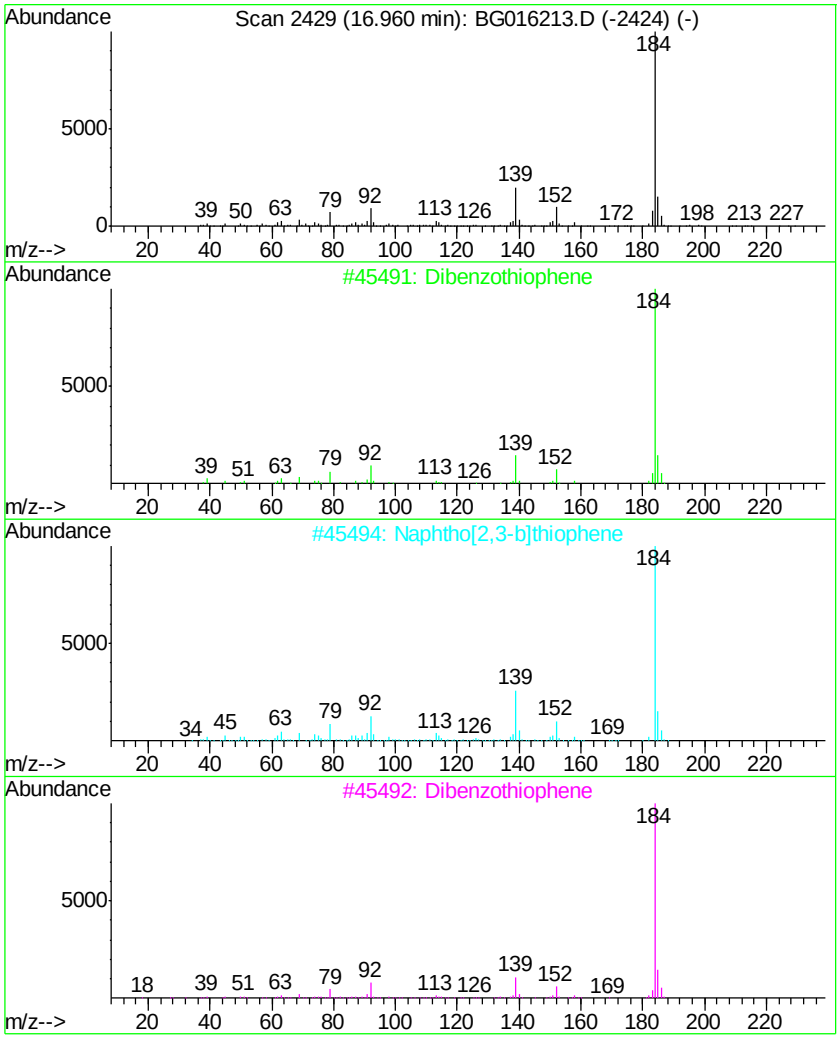
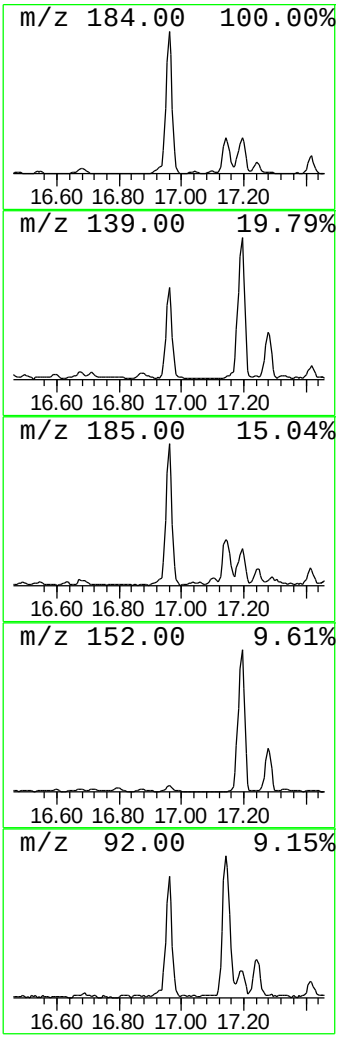
Peak Number 24 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.96	12.02 ng/ul	659673	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Dibenzothiophene	184	C12H8S	000132-65-0	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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Quant Title : SVOA CALIBRATION

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

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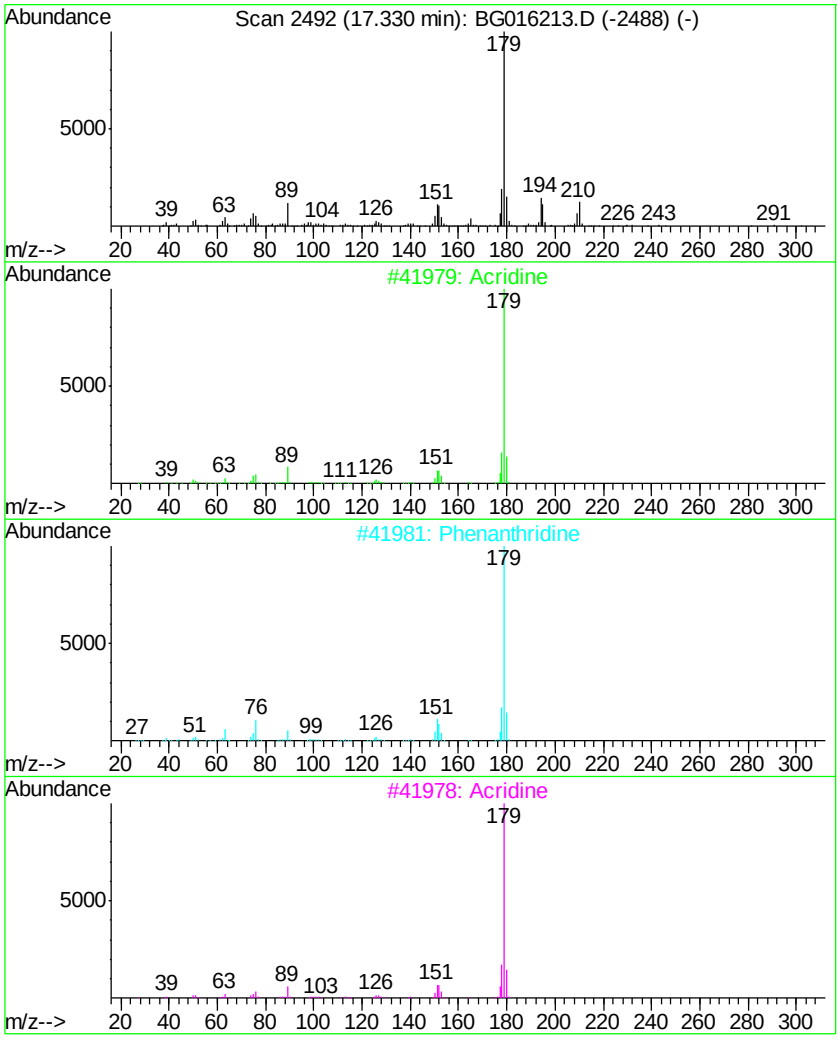
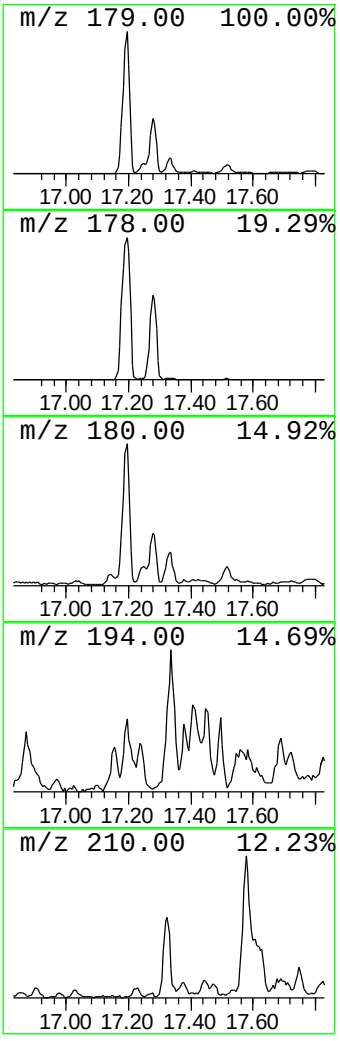
Peak Number 25 Acridine Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.33	5.11 ng/ul	280419	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	94
2	Phenanthridine	179	C13H9N	000229-87-8	93
3	Acridine	179	C13H9N	000260-94-6	93
4	Acridine	179	C13H9N	000260-94-6	90
5	Benzo[f]quinoline	179	C13H9N	000085-02-9	89





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Quant Title : SVOA CALIBRATION

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

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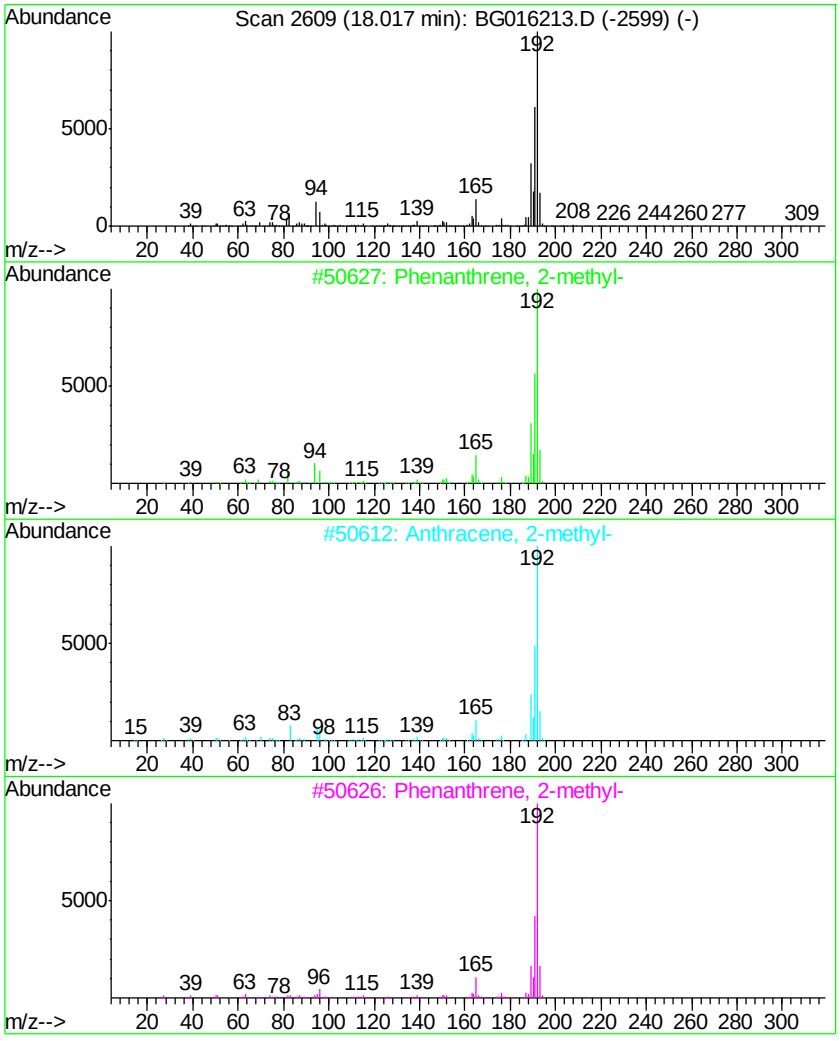
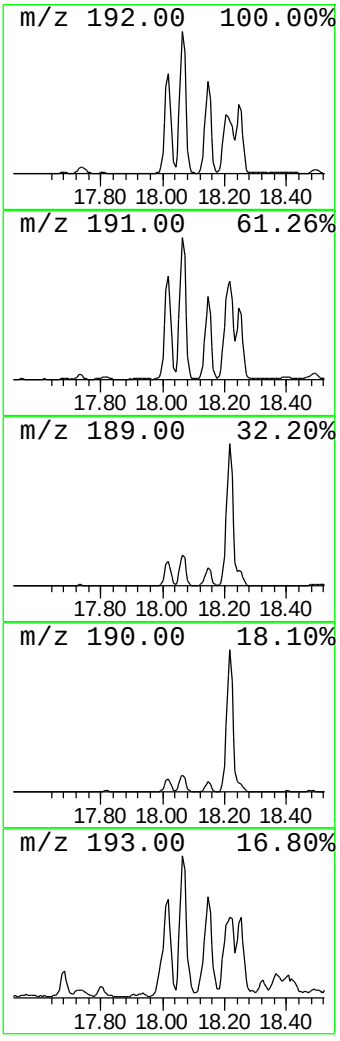
Peak Number 26 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	21.48 ng/ul	1178350	Phenanthrene-d10	17.14

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, 2-methyl-	192	C15H12	002531-84-2	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





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

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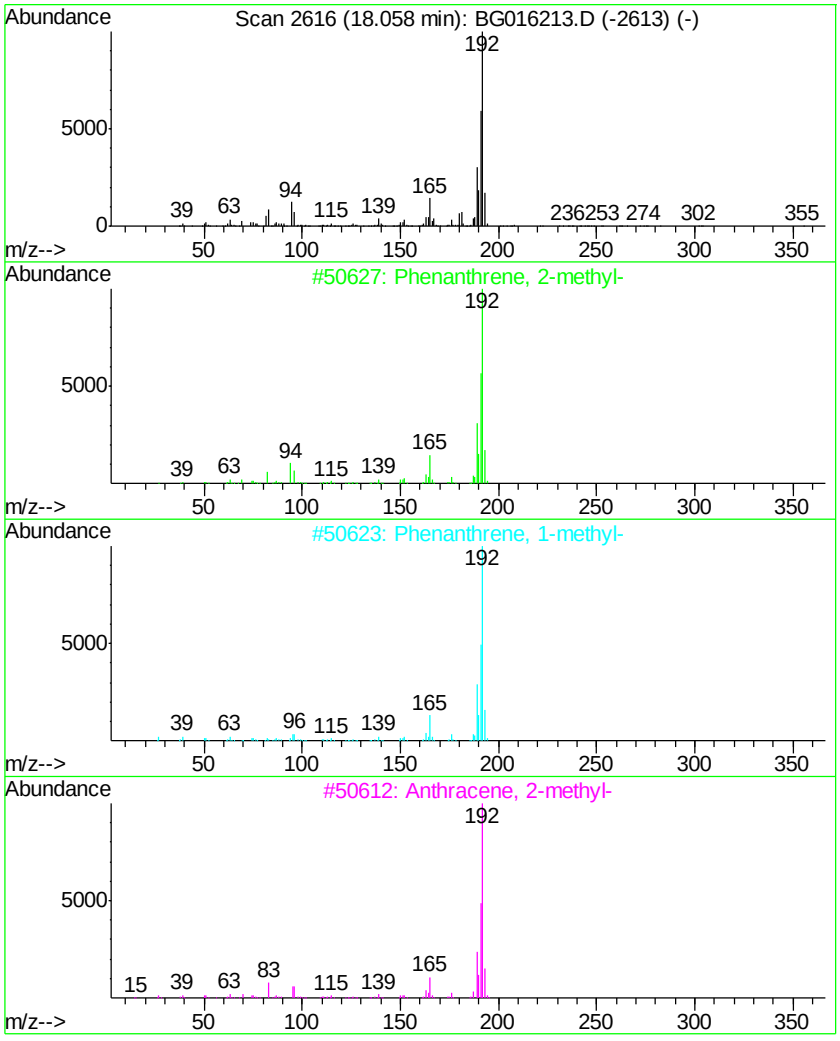
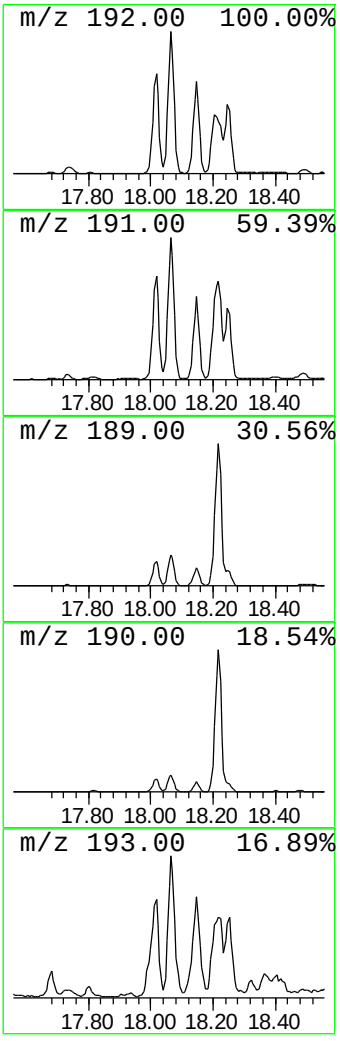
Peak Number 27 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	27.80 ng/ul	1525090	Phenanthrene-d10	17.14

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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TIC Integration Parameters: LSCINT.P

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Peak Number 28 Anthracene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	16.90 ng/ul	927270	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
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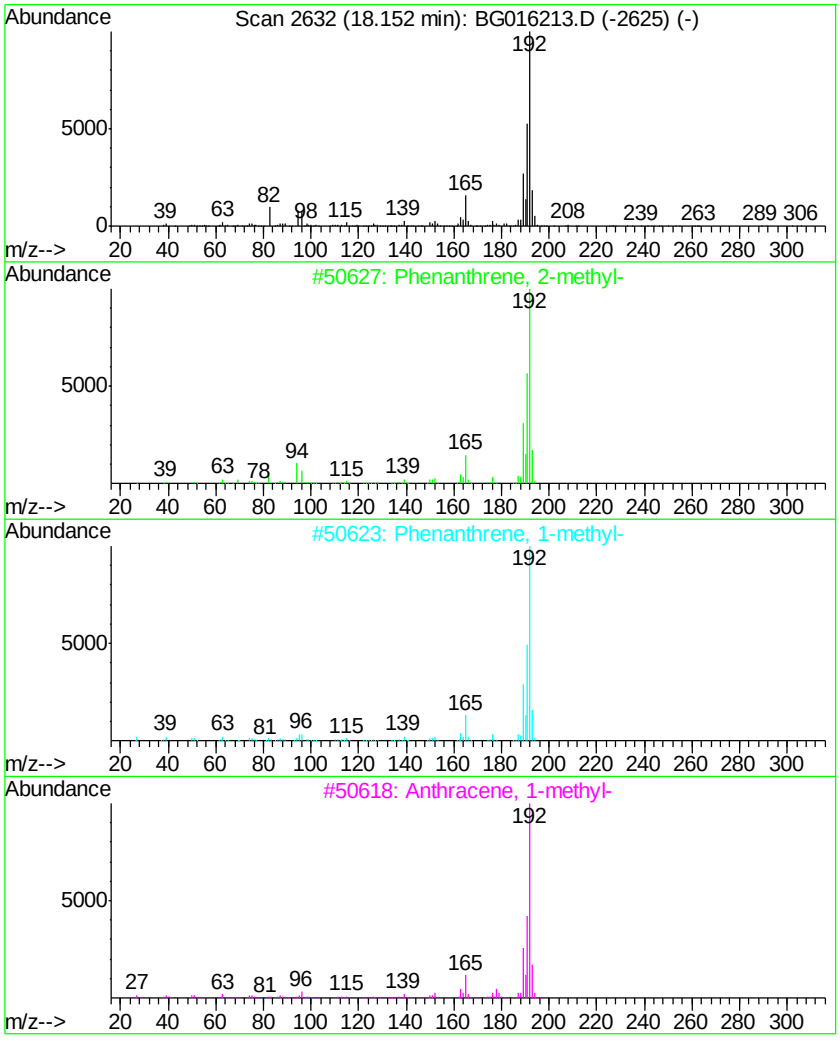
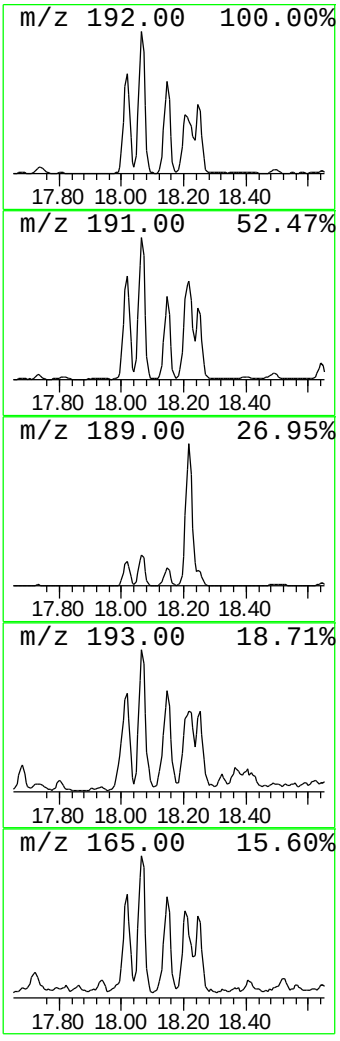
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96





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TIC Integration Parameters: LSCINT.P

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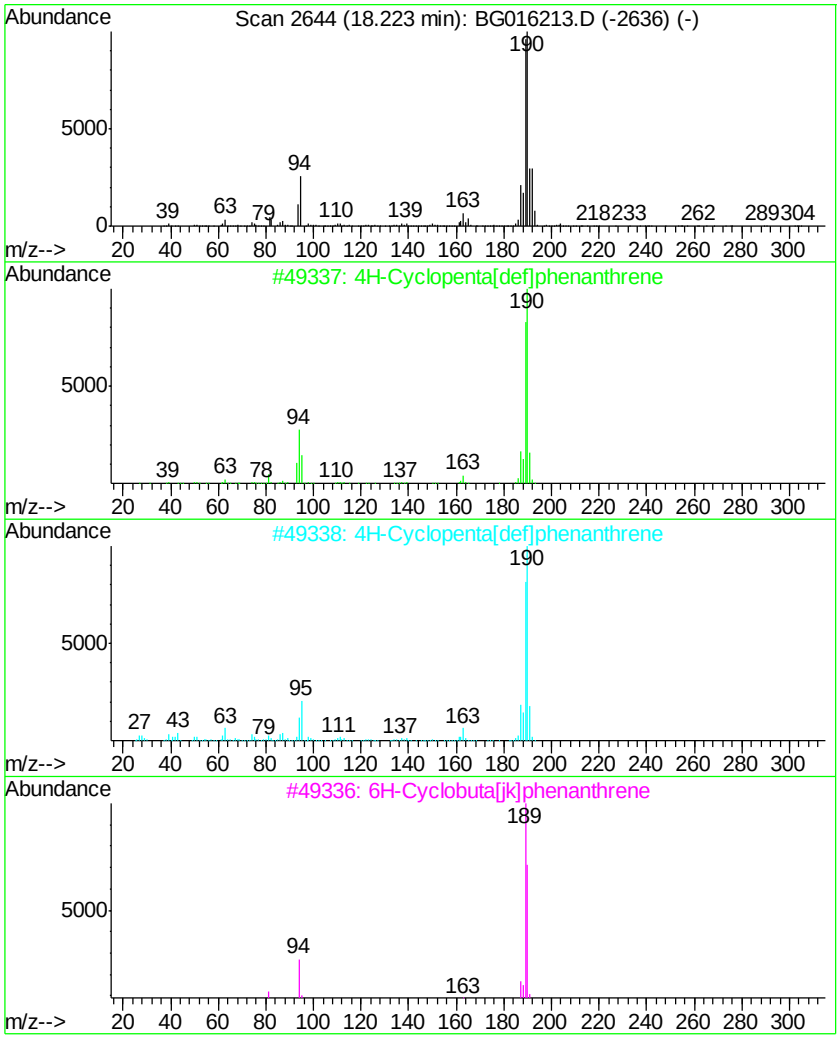
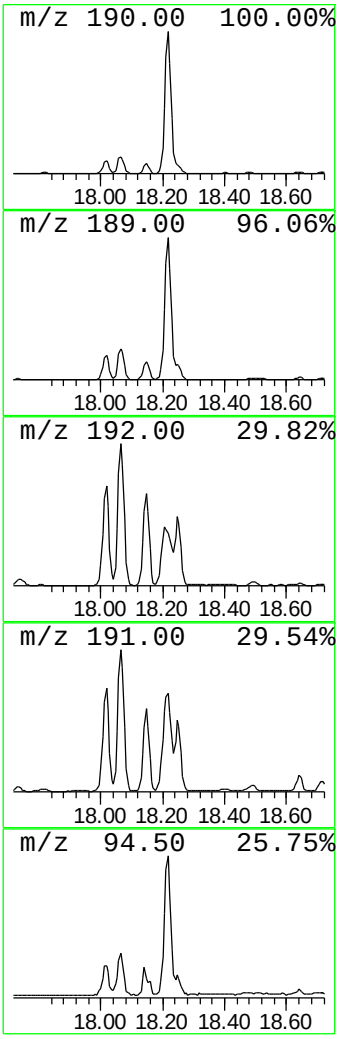
Peak Number 29 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.22	52.15 ng/ul	2861130	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	95
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	59
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52





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Quant Title : SVOA CALIBRATION

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

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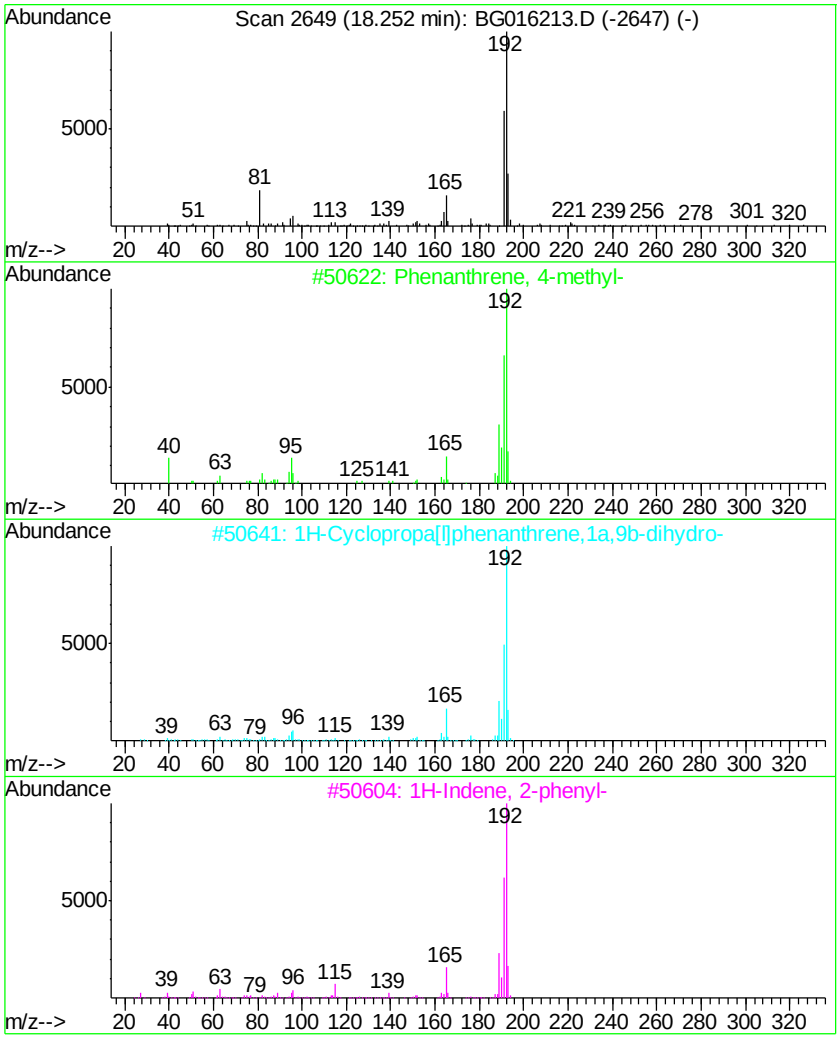
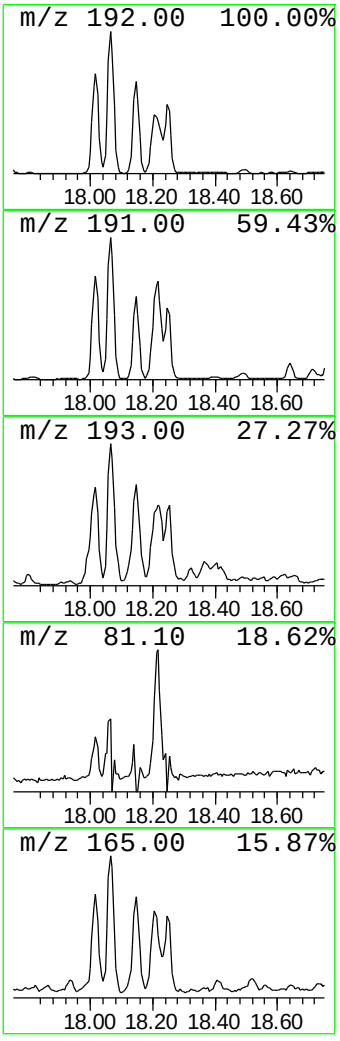
Peak Number 30 Phenanthrene, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.25	8.37 ng/ul	459168	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
4	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	87
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8

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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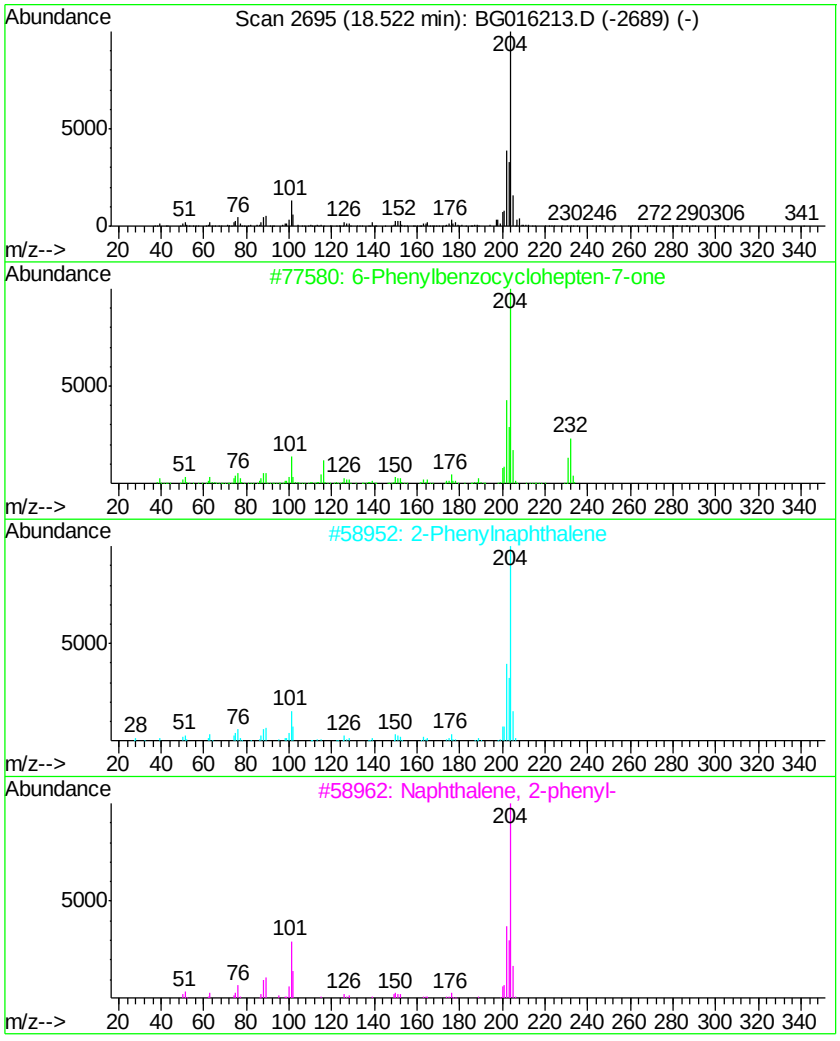
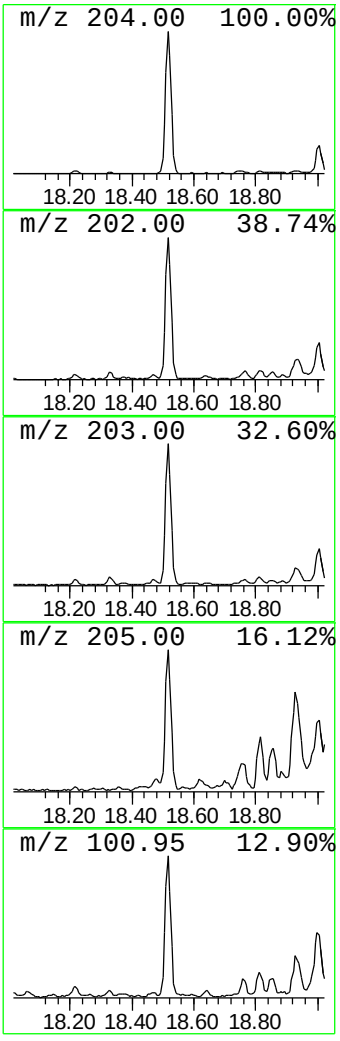
Peak Number 31 6-Phenylbenzocyclohepten-7-one Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	14.21 ng/ul	779777	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	90
2	2-Phenylnaphthalene	204	C16H12	035465-71-5	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78





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Acq On : 31 Mar 2015 22:57
Operator : TP/IZ
Sample : G1647-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8

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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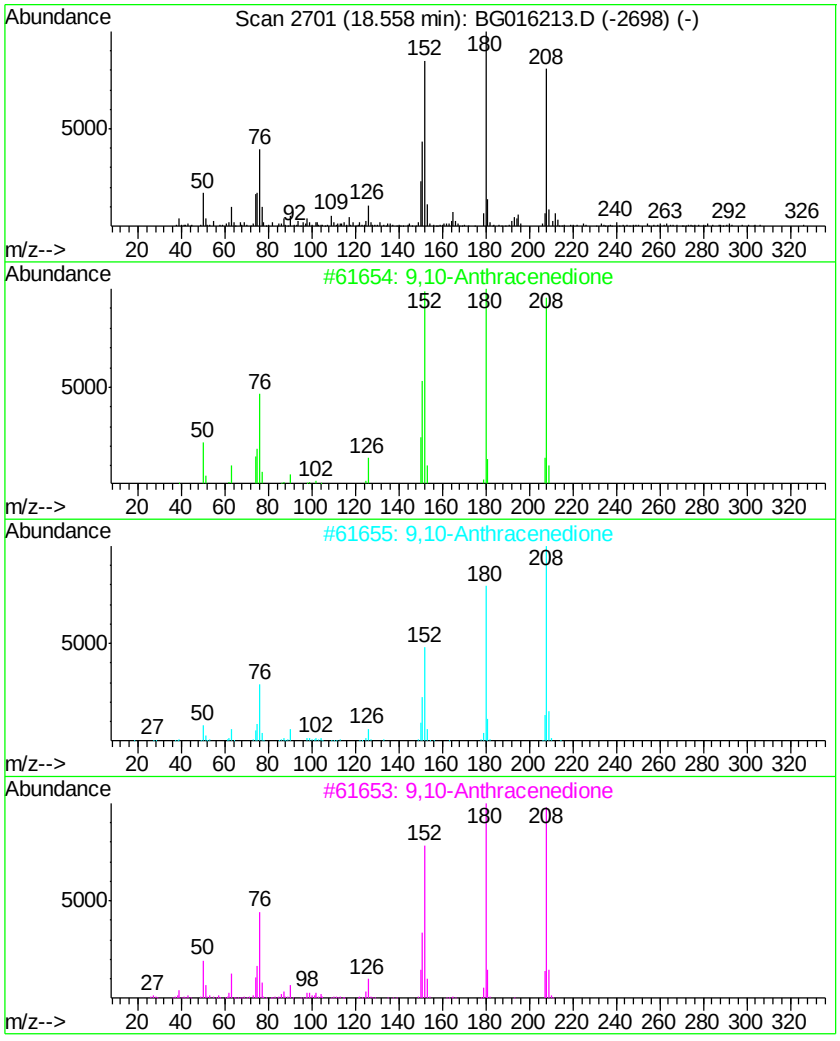
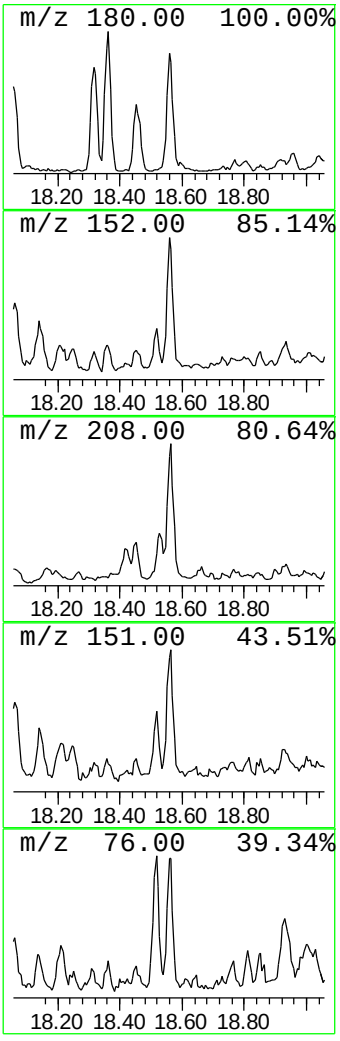
Peak Number 32 9,10-Anthracenedione Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	3.15 ng/ul	172719	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	92
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83





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Acq On : 31 Mar 2015 22:57
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Sample : G1647-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8

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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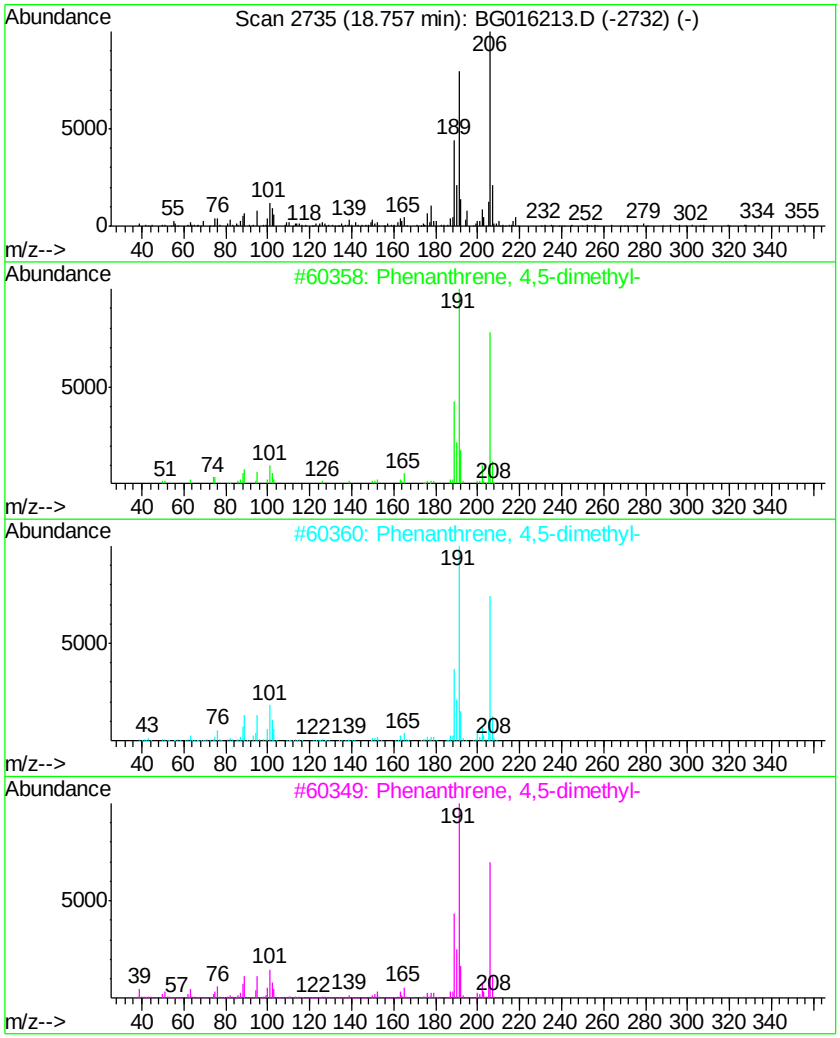
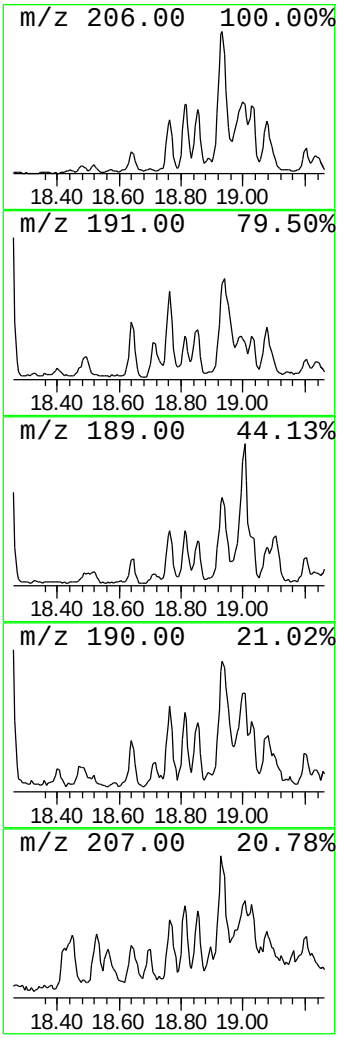
Peak Number 33 Phenanthrene, 4,5-dimethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.76	3.25 ng/ul	178284	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87
4	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	81
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	80





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ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8

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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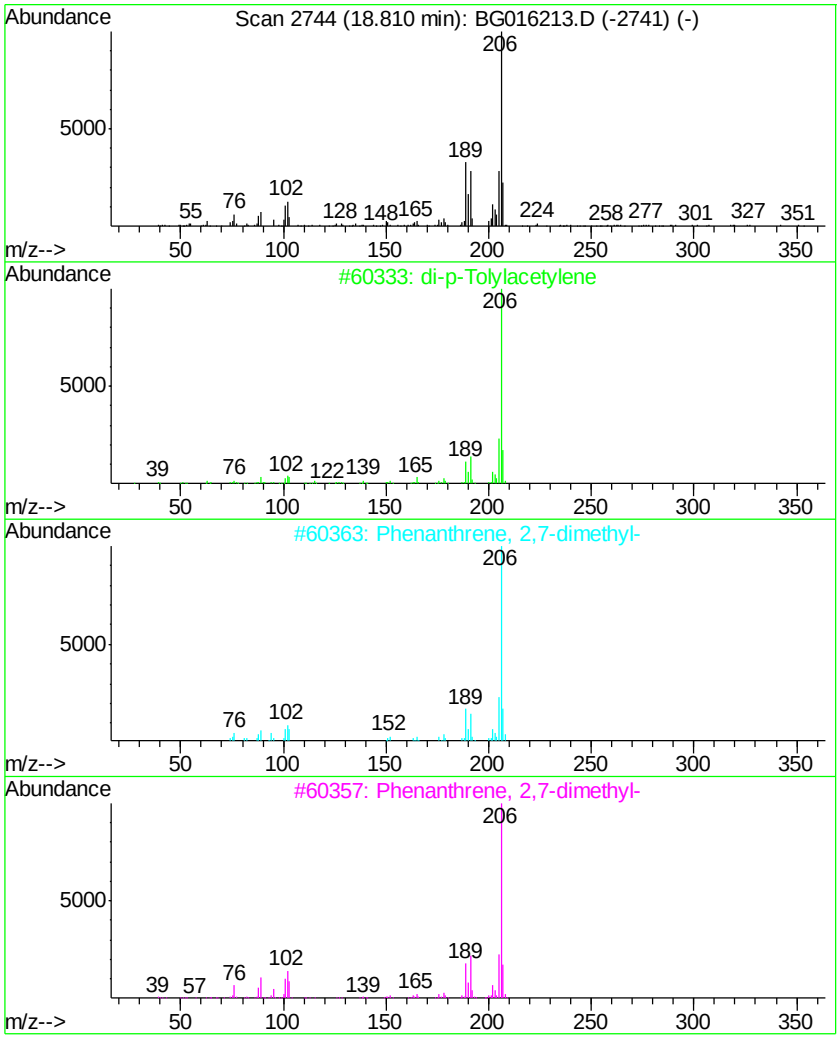
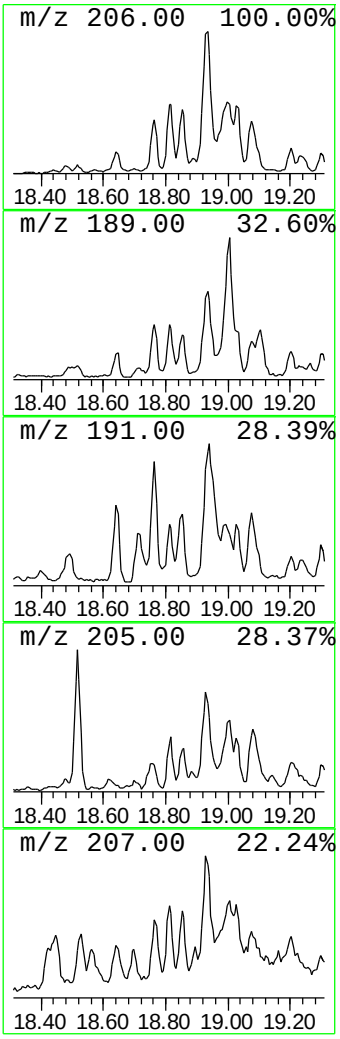
Peak Number 34 di-p-Tolylacetylene Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	3.24 ng/ul	177917	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87





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Operator : TP/IZ
Sample : G1647-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8

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Quant Title : SVOA CALIBRATION

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

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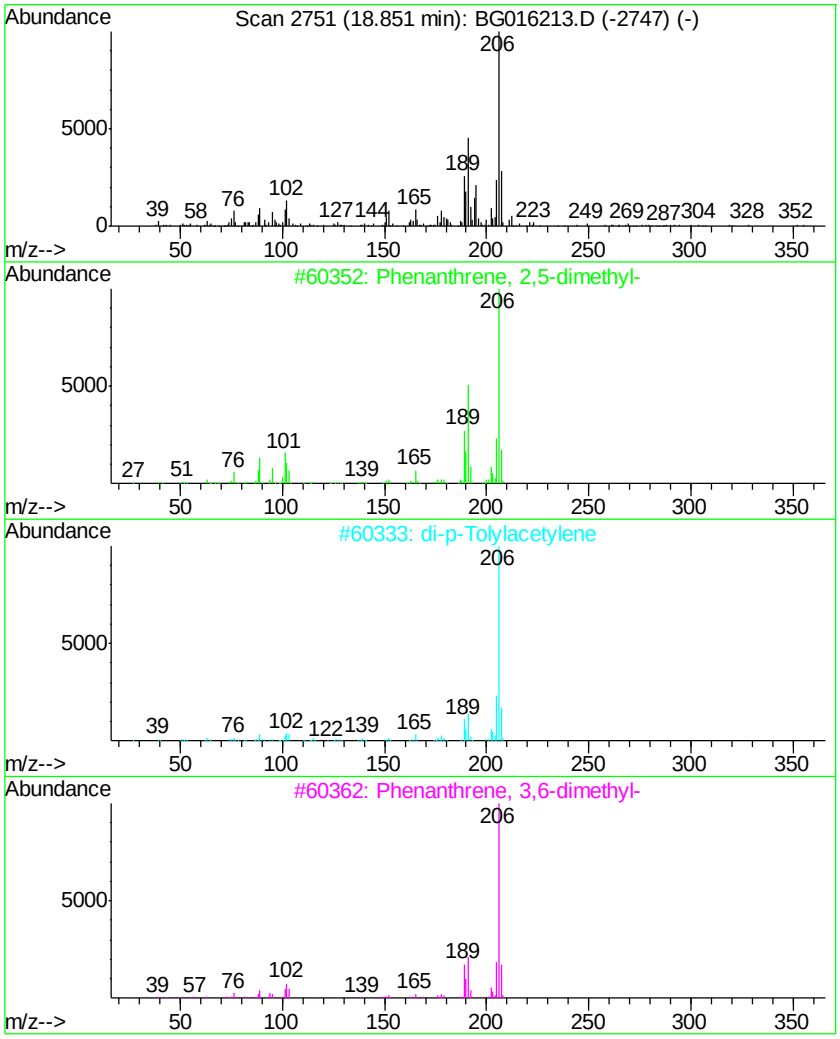
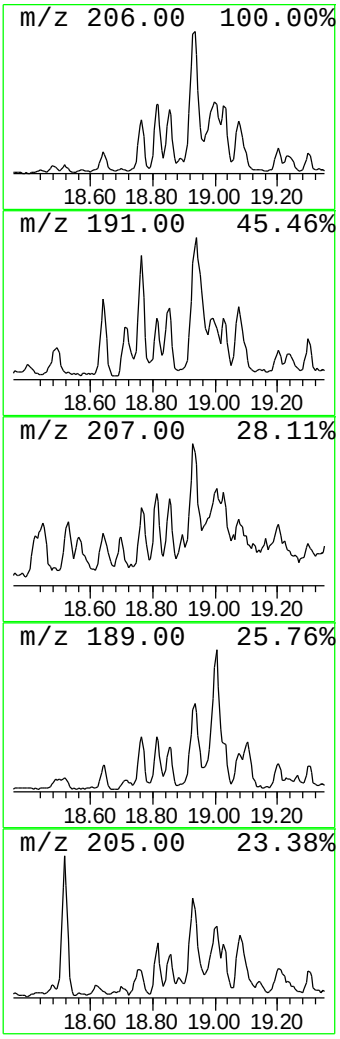
Peak Number 35 Phenanthrene, 2,5-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	3.62 ng/ul	198453	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





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Operator : TP/IZ
Sample : G1647-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8

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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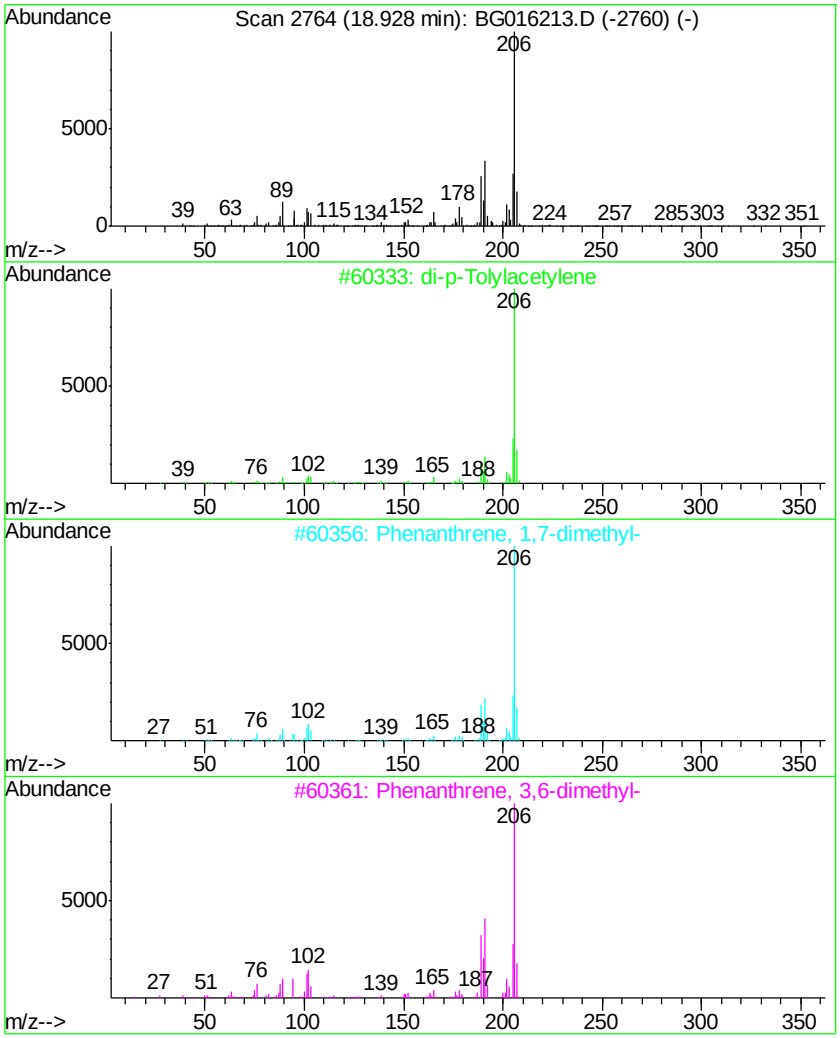
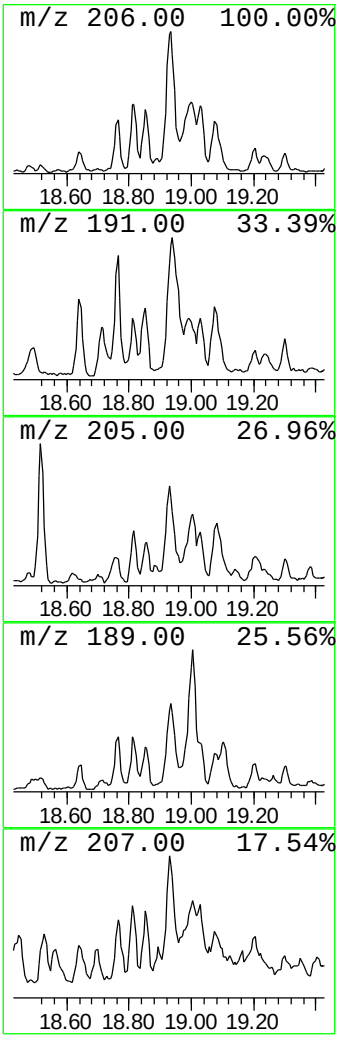
Peak Number 36 Phenanthrene, 3,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	12.22 ng/ul	670528	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	95
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90





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Operator : TP/IZ
Sample : G1647-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8

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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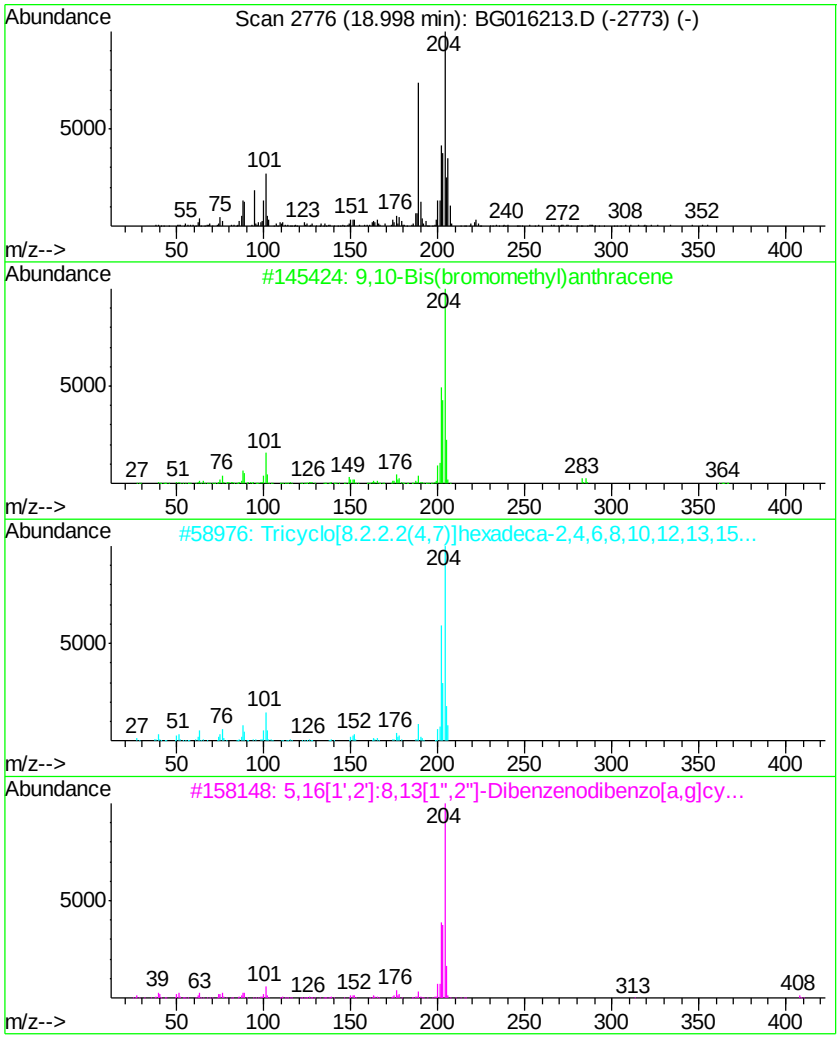
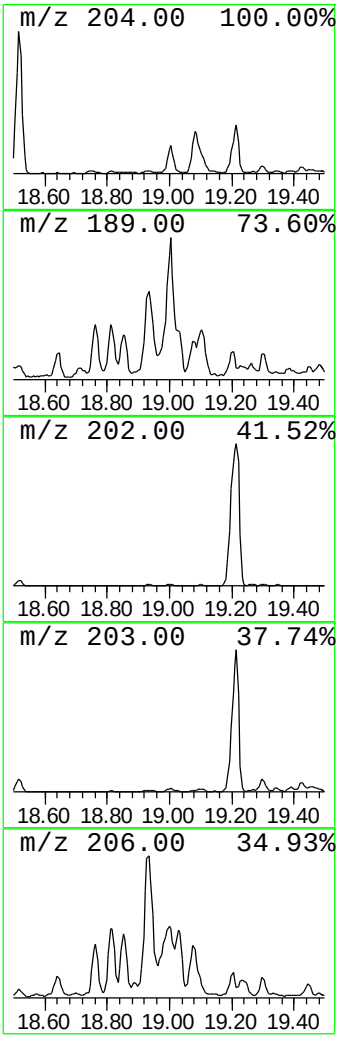
Peak Number 37 unknown-02 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.00	4.79 ng/ul	262847	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	47
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	45
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	43
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	38
5	2-Phenylnaphthalene	204	C16H12	035465-71-5	38





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Operator : TP/IZ
Sample : G1647-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8

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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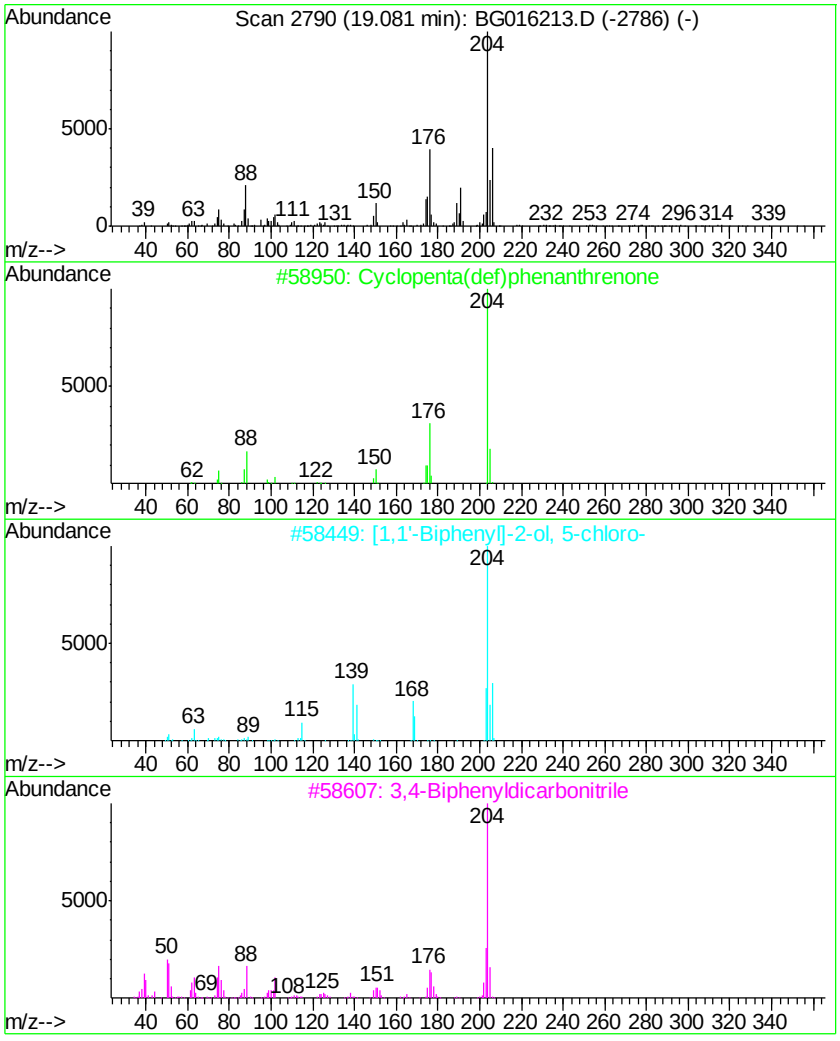
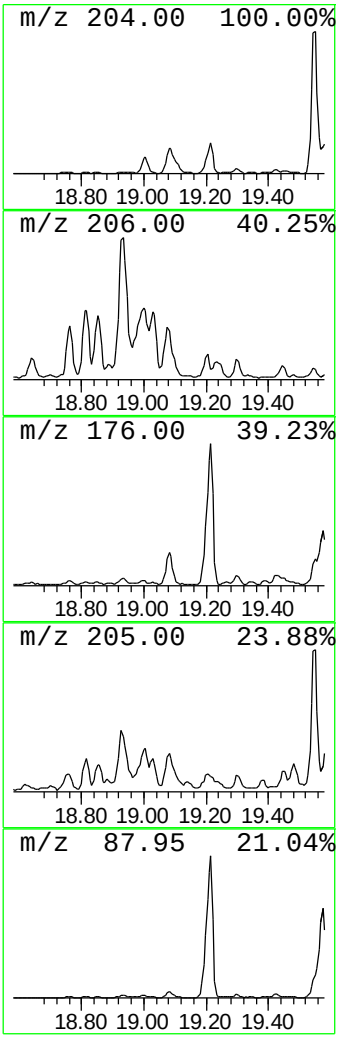
Peak Number 38 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.08	9.47 ng/ul	519560	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	43
4	Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	43
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	38





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Sample : G1647-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8

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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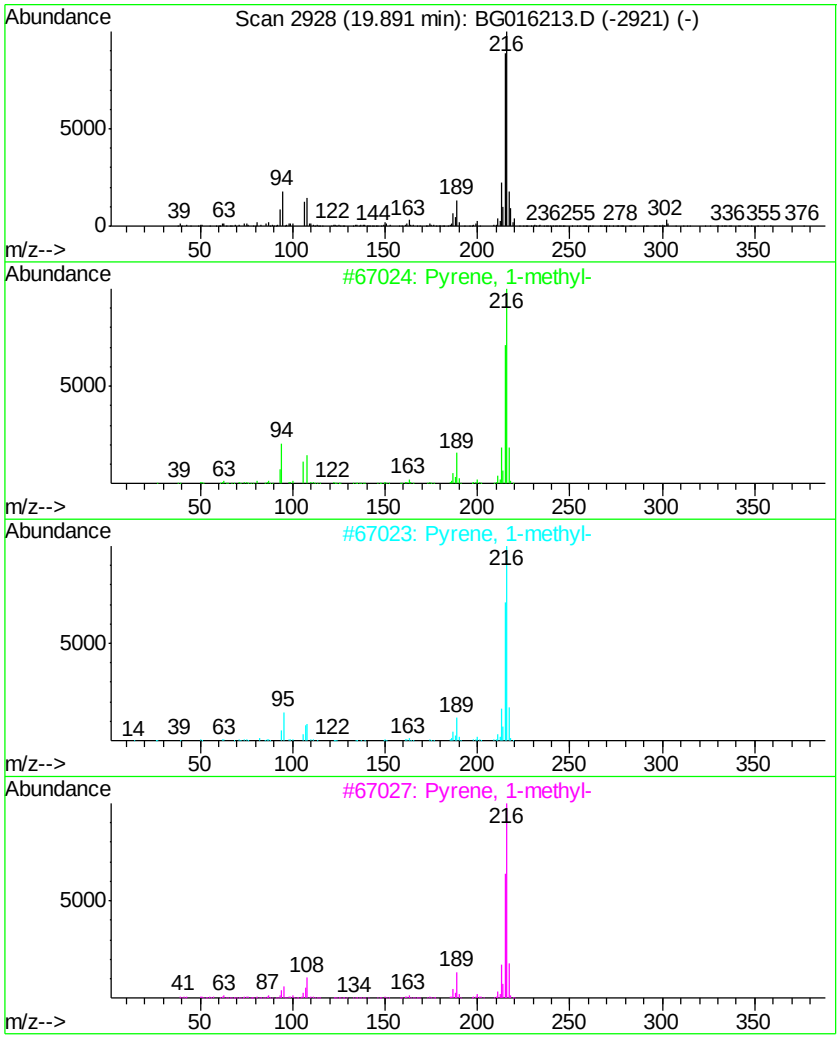
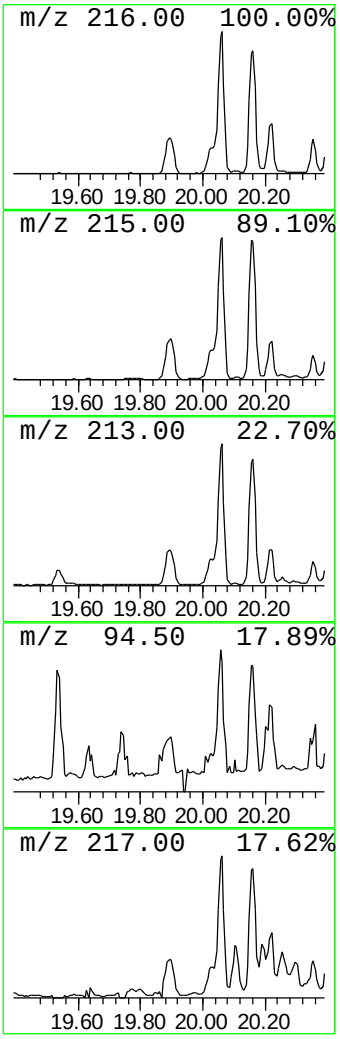
Peak Number 39 Pyrene, 1-methyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.89	2.73 ng/ul	1246230	Chrysene-d12	21.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76





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Sample : G1647-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8

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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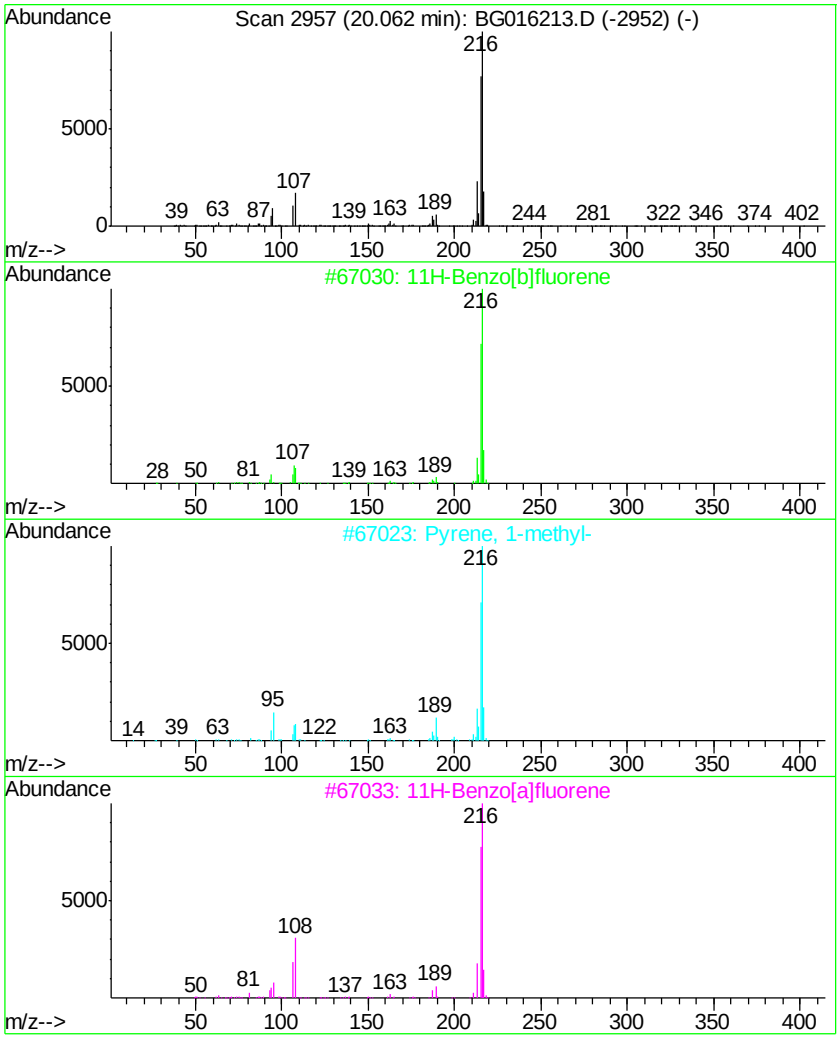
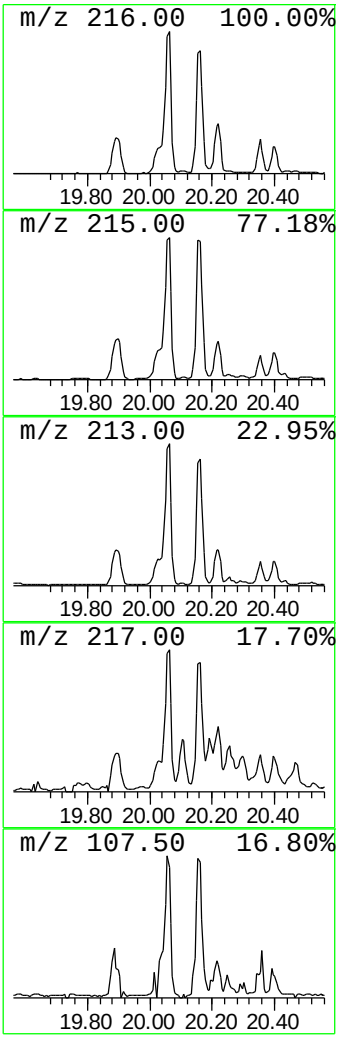
Peak Number 40 11H-Benzo[b]fluorene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.06	5.18 ng/ul	2368490	Chrysene-d12	21.32

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





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Sample : G1647-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8

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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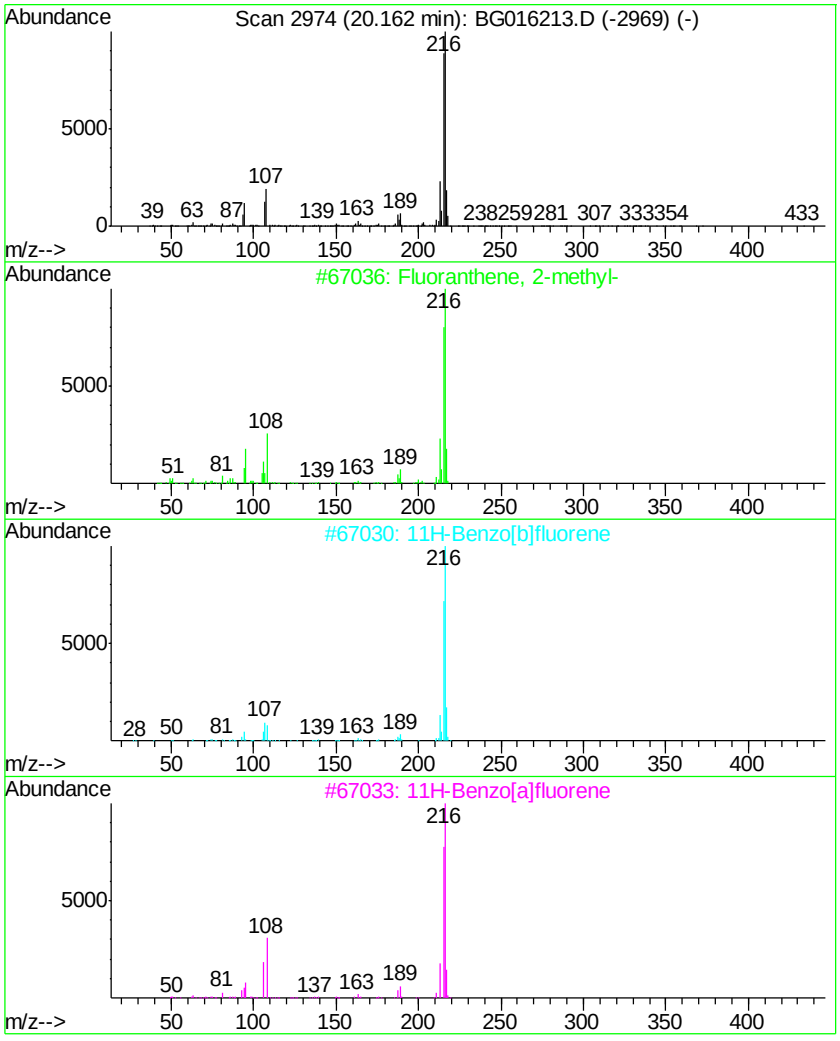
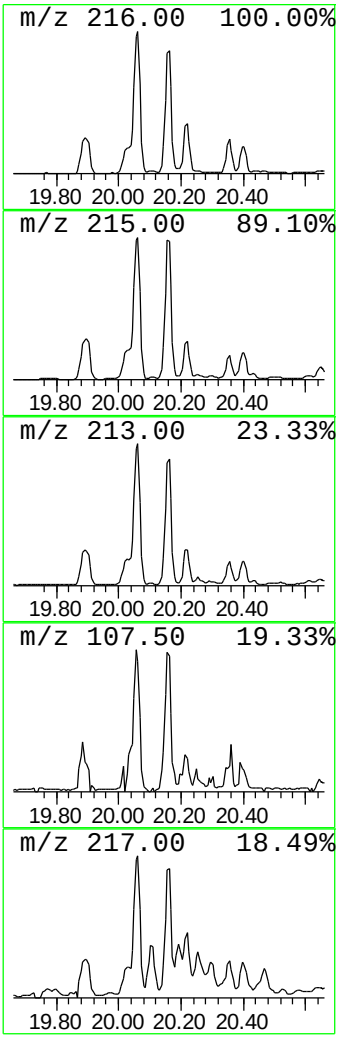
Peak Number 41 Fluoranthene, 2-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.16	4.61 ng/ul	2106820	Chrysene-d12	21.32

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	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87





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Operator : TP/IZ
Sample : G1647-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8

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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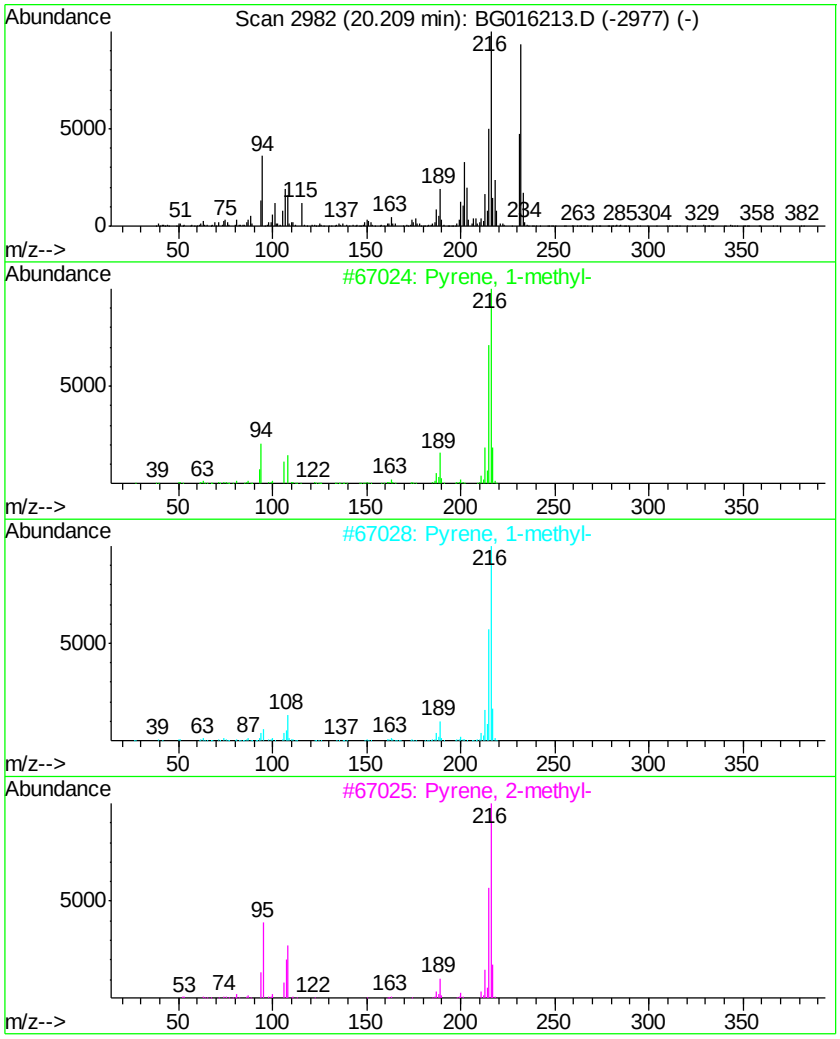
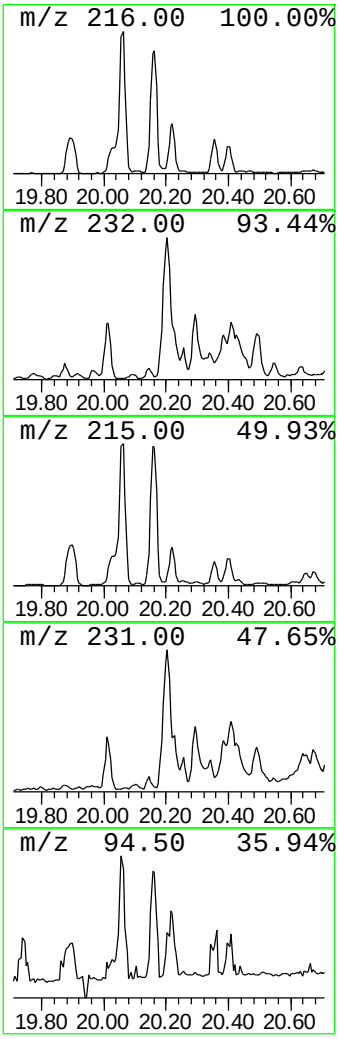
Peak Number 42 Pyrene, 2-methyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.21	2.55 ng/ul	1166900	Chrysene-d12	21.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
Data File : BG016213.D
Acq On : 31 Mar 2015 22:57
Operator : TP/IZ
Sample : G1647-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8

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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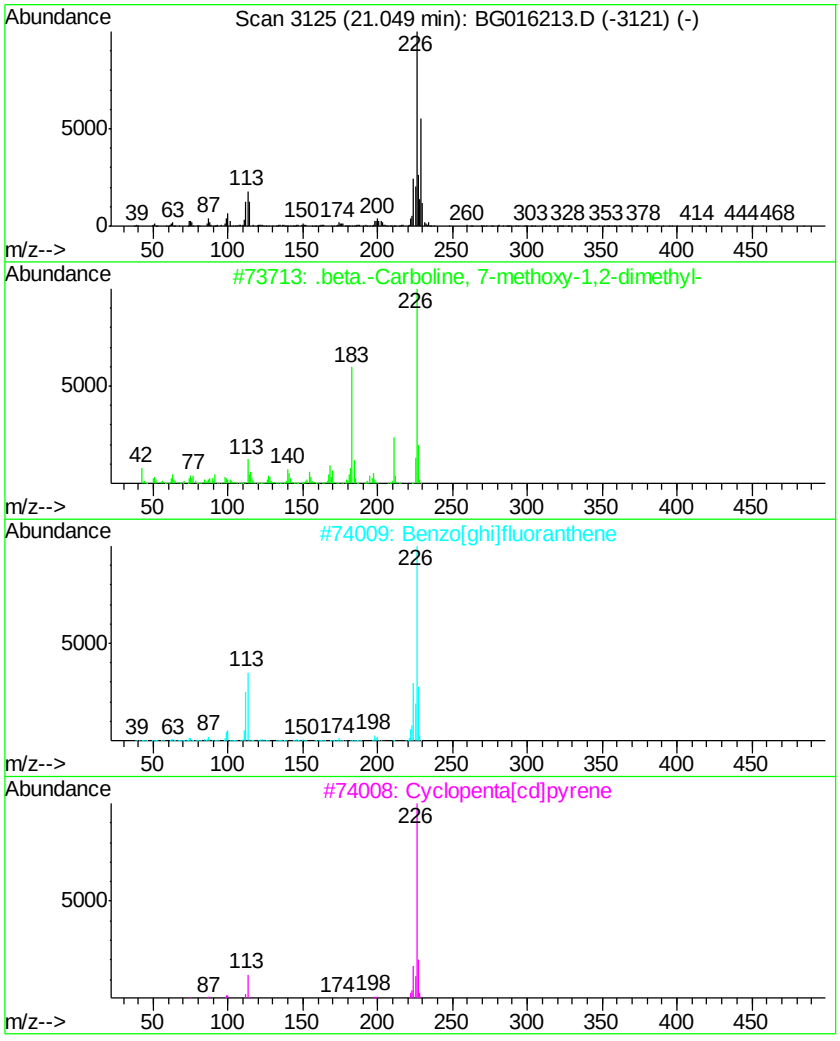
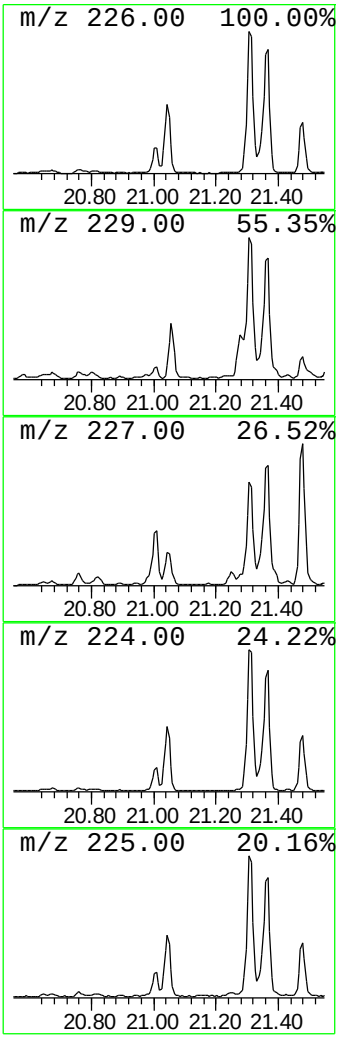
Peak Number 43 unknown-03 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.05	2.22 ng/ul	1014090	Chrysene-d12	21.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	47
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	46
3	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	38
4	Benz[c]acridine	229	C17H11N	000225-51-4	30
5	Indole, 3-[1-methoxy-1-(2-thieny...	257	C15H15NOS	080398-09-0	25





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
Data File : BG016213.D
Acq On : 31 Mar 2015 22:57
Operator : TP/IZ
Sample : G1647-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8

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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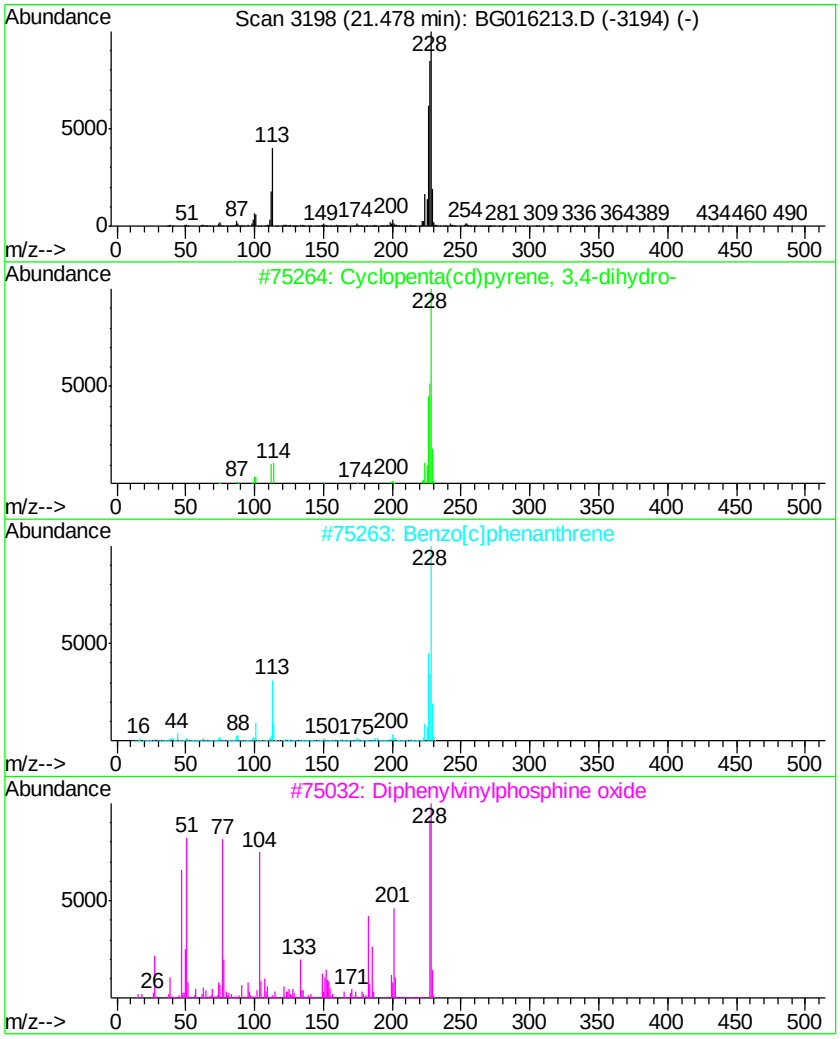
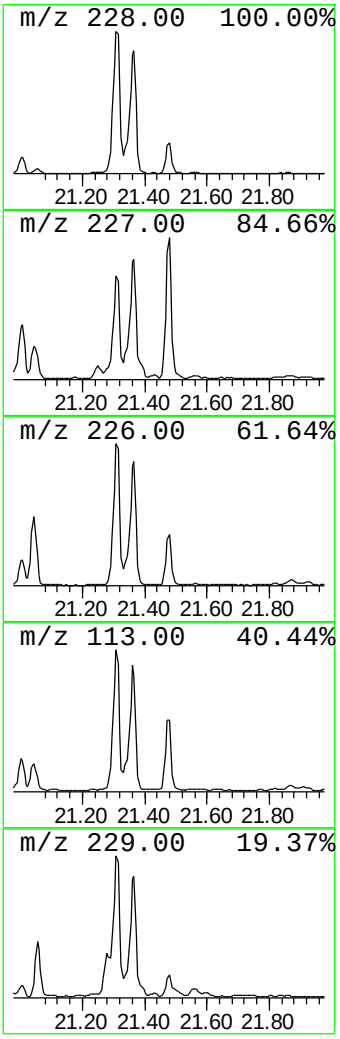
Peak Number 44 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.48	3.16 ng/ul	1443620	Chrysene-d12	21.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	90
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	60
3	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	47
4	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	47
5	Triphenylene	228	C18H12	000217-59-4	41





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
Data File : BG016213.D
Acq On : 31 Mar 2015 22:57
Operator : TP/IZ
Sample : G1647-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8

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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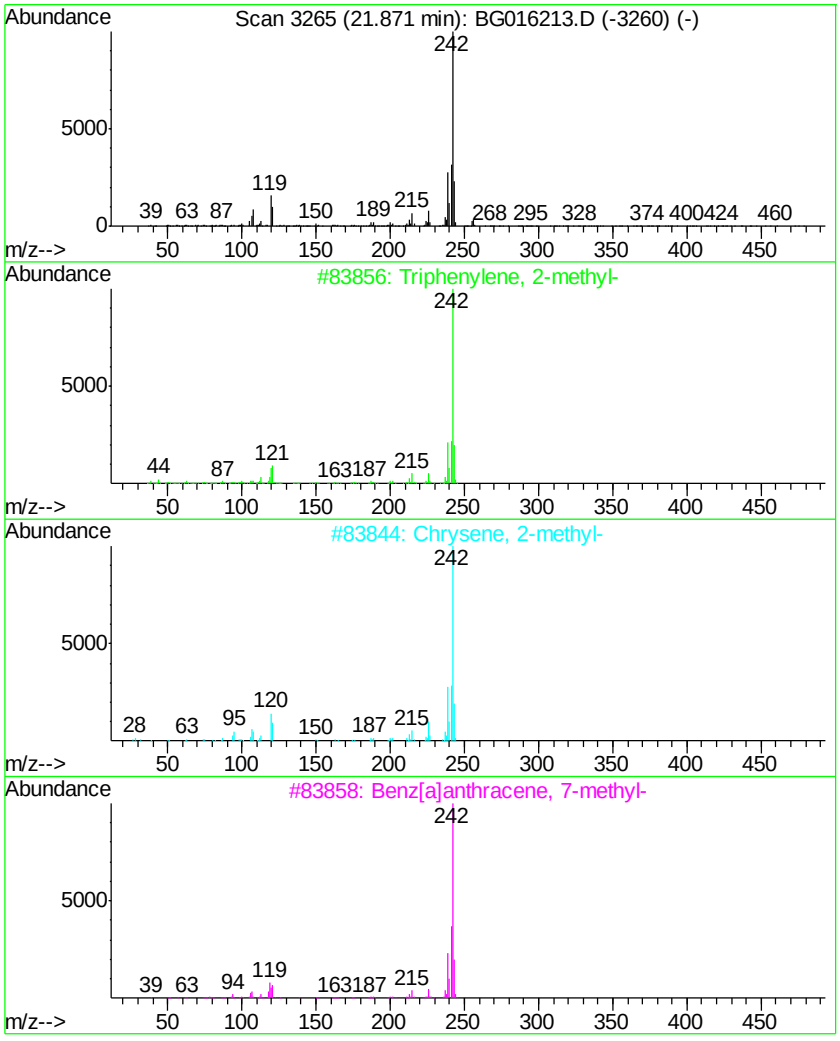
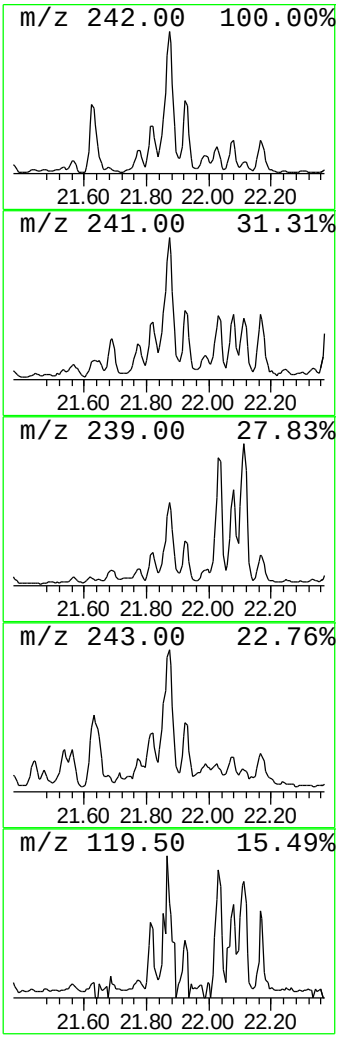
Peak Number 45 Triphenylene, 2-methyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.87	2.39 ng/ul	1093820	Chrysene-d12	21.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	97
2	Chrysene, 2-methyl-	242	C19H14	003351-32-4	97
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	95
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
Data File : BG016213.D
Acq On : 31 Mar 2015 22:57
Operator : TP/IZ
Sample : G1647-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8

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...	2.98	9.2	ng/ul	235329	1	7.77	513189	20.0
Naphthalene, 2,3-...	13.56	3.5	ng/ul	206381	3	14.40	1181010	20.0
Naphthalene, 1,3-...	13.72	7.0	ng/ul	413952	3	14.40	1181010	20.0
Naphthalene, 1,4-...	13.96	3.0	ng/ul	180003	3	14.40	1181010	20.0
1-Isopropenylnaph...	14.71	2.7	ng/ul	157014	3	14.40	1181010	20.0
Naphthalene, 1,6,...	14.87	2.6	ng/ul	155959	3	14.40	1181010	20.0
Naphthalene, 2,3,...	15.01	3.0	ng/ul	174154	3	14.40	1181010	20.0
Naphthalene, 1,4,...	15.19	2.6	ng/ul	155309	3	14.40	1181010	20.0
Benzene, [1-(2,4-...	15.57	4.4	ng/ul	259085	3	14.40	1181010	20.0
Nordiphenamid	15.61	6.9	ng/ul	406072	3	14.40	1181010	20.0
Naphthalene, 1-(2...	15.66	2.7	ng/ul	159429	3	14.40	1181010	20.0
1,1'-Biphenyl, 2-...	15.70	3.4	ng/ul	201942	3	14.40	1181010	20.0
[1,1'-Biphenyl]-4...	15.74	8.4	ng/ul	497869	3	14.40	1181010	20.0
Dibenzofuran, 4-m...	15.88	13.4	ng/ul	734113	4	17.14	1097210	20.0
(DEL) Alkane: Str...	16.11	5.6	ng/ul	304775	4	17.14	1097210	20.0
9H-Fluorene, 2-me...	16.45	10.7	ng/ul	585964	4	17.14	1097210	20.0
9H-Fluorene, 9-me...	16.50	3.3	ng/ul	180520	4	17.14	1097210	20.0
9H-Fluorene, 1-me...	16.60	3.1	ng/ul	172659	4	17.14	1097210	20.0
unknown16.71	16.71	3.0	ng/ul	166957	4	17.14	1097210	20.0
9H-Fluoren-9-one	16.80	2.9	ng/ul	156720	4	17.14	1097210	20.0
2,4,6-Trimethoxyb...	16.87	5.3	ng/ul	289265	4	17.14	1097210	20.0
Dibenzothiophene	16.96	12.0	ng/ul	659673	4	17.14	1097210	20.0
Acridine	17.33	5.1	ng/ul	280419	4	17.14	1097210	20.0
Phenanthrene, 2-m...	18.02	21.5	ng/ul	1178350	4	17.14	1097210	20.0
Phenanthrene, 1-m...	18.06	27.8	ng/ul	1525090	4	17.14	1097210	20.0
Anthracene, 1-met...	18.15	16.9	ng/ul	927270	4	17.14	1097210	20.0
4H-Cyclopenta[def...	18.22	52.1	ng/ul	2861130	4	17.14	1097210	20.0
Phenanthrene, 4-m...	18.25	8.4	ng/ul	459168	4	17.14	1097210	20.0
6-Phenylbenzocycl...	18.52	14.2	ng/ul	779777	4	17.14	1097210	20.0
9,10-Anthracenedione	18.56	3.1	ng/ul	172719	4	17.14	1097210	20.0
Phenanthrene, 4,5...	18.76	3.3	ng/ul	178284	4	17.14	1097210	20.0
di-p-Tolylacetylene	18.81	3.2	ng/ul	177917	4	17.14	1097210	20.0
Phenanthrene, 2,5...	18.85	3.6	ng/ul	198453	4	17.14	1097210	20.0
Phenanthrene, 3,6...	18.93	12.2	ng/ul	670528	4	17.14	1097210	20.0
unknown-02	19.00	4.8	ng/ul	262847	4	17.14	1097210	20.0
Cyclopenta(def)ph...	19.08	9.5	ng/ul	519560	4	17.14	1097210	20.0
Pyrene, 1-methyl-	19.89	2.7	ng/ul	1246230	5	21.32	9145760	20.0
11H-Benzo[b]fluorene	20.06	5.2	ng/ul	2368490	5	21.32	9145760	20.0
Fluoranthene, 2-m...	20.16	4.6	ng/ul	2106820	5	21.32	9145760	20.0
Pyrene, 2-methyl-	20.21	2.5	ng/ul	1166900	5	21.32	9145760	20.0
unknown-03	21.05	2.2	ng/ul	1014090	5	21.32	9145760	20.0
Cyclopenta(cd)pyr...	21.48	3.2	ng/ul	1443620	5	21.32	9145760	20.0
Triphenylene, 2-m...	21.87	2.4	ng/ul	1093820	5	21.32	9145760	20.0