LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017564.D
Acq On : 9 Jun 2015 7:47
Operator : TP/IZ
Sample : G2450-16 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RT440NB6.2(2)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\8270-BG060315.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.743	5	9	15	rVB2	20770	30923	3.73%	0.148%
2	5.199	422	427	440	rVB	159162	242120	29.18%	1.162%
3	6.815	695	702	713	rBV	170290	278534	33.57%	1.337%
4	7.144	752	758	768	rBV	181999	290429	35.00%	1.394%
5	7.602	830	836	843	rVB	107420	160278	19.32%	0.769%
6	7.919	884	890	898	rBV	139685	223123	26.89%	1.071%
7	8.765	1028	1034	1042	rBV	109998	189293	22.81%	0.908%
8	10.399	1301	1312	1317	rBV	135950	238281	28.72%	1.144%
9	12.073	1586	1597	1603	rVB2	42473	85603	10.32%	0.411%
10	12.297	1628	1635	1639	rBV2	24860	47095	5.68%	0.226%
11	12.802	1716	1721	1727	rVB	47983	68719	8.28%	0.330%
12	12.884	1727	1735	1740	rBV	259010	400330	48.25%	1.921%
13	13.096	1762	1771	1777	rBV2	108974	211831	25.53%	1.017%
14	13.195	1783	1788	1795	rBV8	19482	40472	4.88%	0.194%
15	13.295	1801	1805	1808	rBV	47824	73560	8.87%	0.353%
16	13.442	1822	1830	1837	rBV4	102293	280127	33.76%	1.344%
17	13.536	1843	1846	1850	rBV5	21557	29906	3.60%	0.144%
18	13.589	1850	1855	1860	rVV	150547	265911	32.05%	1.276%
19	13.642	1860	1864	1875	rVB	142529	253891	30.60%	1.218%
20	13.754	1875	1883	1887	rBV4	97300	188533	22.72%	0.905%
21	13.795	1887	1890	1892	rVV4	41161	50498	6.09%	0.242%
22	13.830	1892	1896	1899	rVV	78262	120339	14.50%	0.578%
23	13.859	1899	1901	1907	rVB6	31372	50472	6.08%	0.242%
24	13.959	1915	1918	1921	rBV3	26467	38028	4.58%	0.183%
25	13.995	1921	1924	1927	rVB3	24017	30292	3.65%	0.145%
26	14.094	1939	1941	1948	rVB8	24475	39500	4.76%	0.190%
27	14.177	1950	1955	1961	rBV	177992	227149	27.38%	1.090%
28	14.271	1963	1971	1977	rBV3	219923	440841	53.13%	2.116%
29	14.324	1977	1980	1983	rBV	46607	59041	7.12%	0.283%
30	14.482	2002	2007	2017	rVB2	130856	335290	40.41%	1.609%
31	14.570	2017	2022	2027	rBV4	51833	94045	11.33%	0.451%
32	14.676	2034	2040	2046	rVB2	151354	278552	33.57%	1.337%
33	14.752	2046	2053	2058	rBV	143661	233306	28.12%	1.120%
34	14.799	2058	2061	2068	rVB7	50024	79215	9.55%	0.380%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017564.D
Acq On : 9 Jun 2015 7:47
Operator : TP/IZ
Sample : G2450-16 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RT440NB6.2(2)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\8270-BG060315.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	14.893	2073	2077	2082	rVB	82056	114745	13.83%	0.551%
36	14.946	2082	2086	2090	rVB	128631	160743	19.37%	0.771%
37	14.993	2091	2094	2098	rVB6	32227	40700	4.91%	0.195%
38	15.064	2100	2106	2110	rBV3	111552	239849	28.91%	1.151%
39	15.134	2115	2118	2122	rVB	153868	180706	21.78%	0.867%
40	15.317	2144	2149	2153	rBV3	67298	112250	13.53%	0.539%
41	15.375	2153	2159	2163	rBV2	120134	238132	28.70%	1.143%
42	15.540	2183	2187	2194	rVB	141025	199054	23.99%	0.955%
43	15.616	2197	2200	2209	rVB5	83372	226039	27.24%	1.085%
44	15.698	2209	2214	2217	rBV7	54477	97595	11.76%	0.468%
45	15.745	2218	2222	2223	rBV2	72250	87654	10.56%	0.421%
46	15.775	2223	2227	2233	rVB3	239693	349159	42.08%	1.676%
47	15.845	2234	2239	2247	rVB5	83282	201930	24.34%	0.969%
48	15.928	2249	2253	2257	rBV6	49038	78224	9.43%	0.375%
49	15.998	2260	2265	2278	rVB4	299124	649728	78.31%	3.118%
50	16.104	2280	2283	2285	rBV	42408	55035	6.63%	0.264%
51	16.133	2286	2288	2292	rVB4	43240	48879	5.89%	0.235%
52	16.210	2298	2301	2305	rBV5	44506	60876	7.34%	0.292%
53	16.550	2353	2359	2361	rBV7	56814	108042	13.02%	0.519%
54	16.597	2364	2367	2371	rVB5	83982	113583	13.69%	0.545%
55	16.685	2379	2382	2387	rVB3	48829	67358	8.12%	0.323%
56	16.738	2388	2391	2392	rBV2	35969	39442	4.75%	0.189%
57	16.785	2396	2399	2404	rVB	198822	266270	32.09%	1.278%
58	16.844	2405	2409	2412	rBV2	129806	180009	21.70%	0.864%
59	17.026	2436	2440	2443	rBV	234556	311732	37.57%	1.496%
60	17.067	2443	2447	2456	rVB	378171	562131	67.75%	2.698%
61	17.438	2507	2510	2515	rBV7	58567	107122	12.91%	0.514%
62	17.526	2521	2525	2530	rVB2	226223	298763	36.01%	1.434%
63	17.608	2535	2539	2548	rVB3	180012	314709	37.93%	1.510%
64	17.902	2585	2589	2593	rBV	311539	460536	55.51%	2.210%
65	17.949	2593	2597	2604	rVB	444158	713986	86.05%	3.427%
66	18.031	2608	2611	2615	rBV2	90492	110688	13.34%	0.531%
67	18.090	2617	2621	2626	rVV2	223463	317693	38.29%	1.525%
68	18.137	2626	2629	2635	rVB	242962	315991	38.08%	1.517%
69	18.219	2639	2643	2648	rBV	209359	310689	37.45%	1.491%
70	18.301	2653	2657	2661	rVB2	140161	189241	22.81%	0.908%
71	18.407	2671	2675	2679	rBV4	146949	257756	31.07%	1.237%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017564.D
Acq On : 9 Jun 2015 7:47
Operator : TP/IZ
Sample : G2450-16 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RT440NB6.2(2)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\8270-BG060315.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	18.630	2709	2713	2715	rBV3	108491	159300	19.20%	0.765%
73	18.660	2715	2718	2721	rVV	195332	269959	32.54%	1.296%
74	18.707	2724	2726	2730	rVV	150742	210251	25.34%	1.009%
75	18.748	2730	2733	2737	rVB	119798	150106	18.09%	0.720%
76	18.830	2743	2747	2750	rBV	293820	435336	52.47%	2.089%
77	18.859	2750	2752	2760	rVV5	209672	410144	49.43%	1.968%
78	18.924	2760	2763	2767	rVB	141267	172660	20.81%	0.829%
79	18.971	2767	2771	2777	rBV3	112729	202262	24.38%	0.971%
80	19.094	2788	2792	2795	rBV	191064	251919	30.36%	1.209%
81	19.159	2800	2803	2806	rBV3	70529	101182	12.19%	0.486%
82	19.277	2820	2823	2826	rBV2	55907	76523	9.22%	0.367%
83	19.376	2837	2840	2847	rVB2	103697	129612	15.62%	0.622%
84	19.459	2848	2854	2863	rVB2	419687	829710	100.00%	3.982%
85	19.541	2864	2868	2873	rVB3	158253	227465	27.42%	1.092%
86	19.664	2885	2889	2893	rBV	423060	493070	59.43%	2.366%
87	19.870	2922	2924	2928	rBV4	61486	74515	8.98%	0.358%
88	19.982	2940	2943	2947	rVB2	117977	142892	17.22%	0.686%
89	20.117	2962	2966	2970	rVB	316369	371824	44.81%	1.784%
90	20.258	2986	2990	2994	rBV	244376	351329	42.34%	1.686%
91	20.299	2994	2997	3001	rVB	156434	209438	25.24%	1.005%
92	20.475	3024	3027	3031	rBV	112180	122125	14.72%	0.586%
93	20.798	3079	3082	3086	rVB	102140	114552	13.81%	0.550%
94	20.845	3087	3090	3093	rBV2	125260	168066	20.26%	0.807%
95	20.933	3103	3105	3115	rVB4	91034	133120	16.04%	0.639%
96	21.221	3149	3154	3158	rBV2	329809	498292	60.06%	2.391%
97	21.257	3158	3160	3164	rVB	92606	97046	11.70%	0.466%
98	21.374	3177	3180	3182	rBV2	80261	76575	9.23%	0.367%
99	23.266	3498	3502	3508	rVB	114465	195965	23.62%	0.940%
100	23.460	3530	3535	3541	rVB	167859	299028	36.04%	1.435%

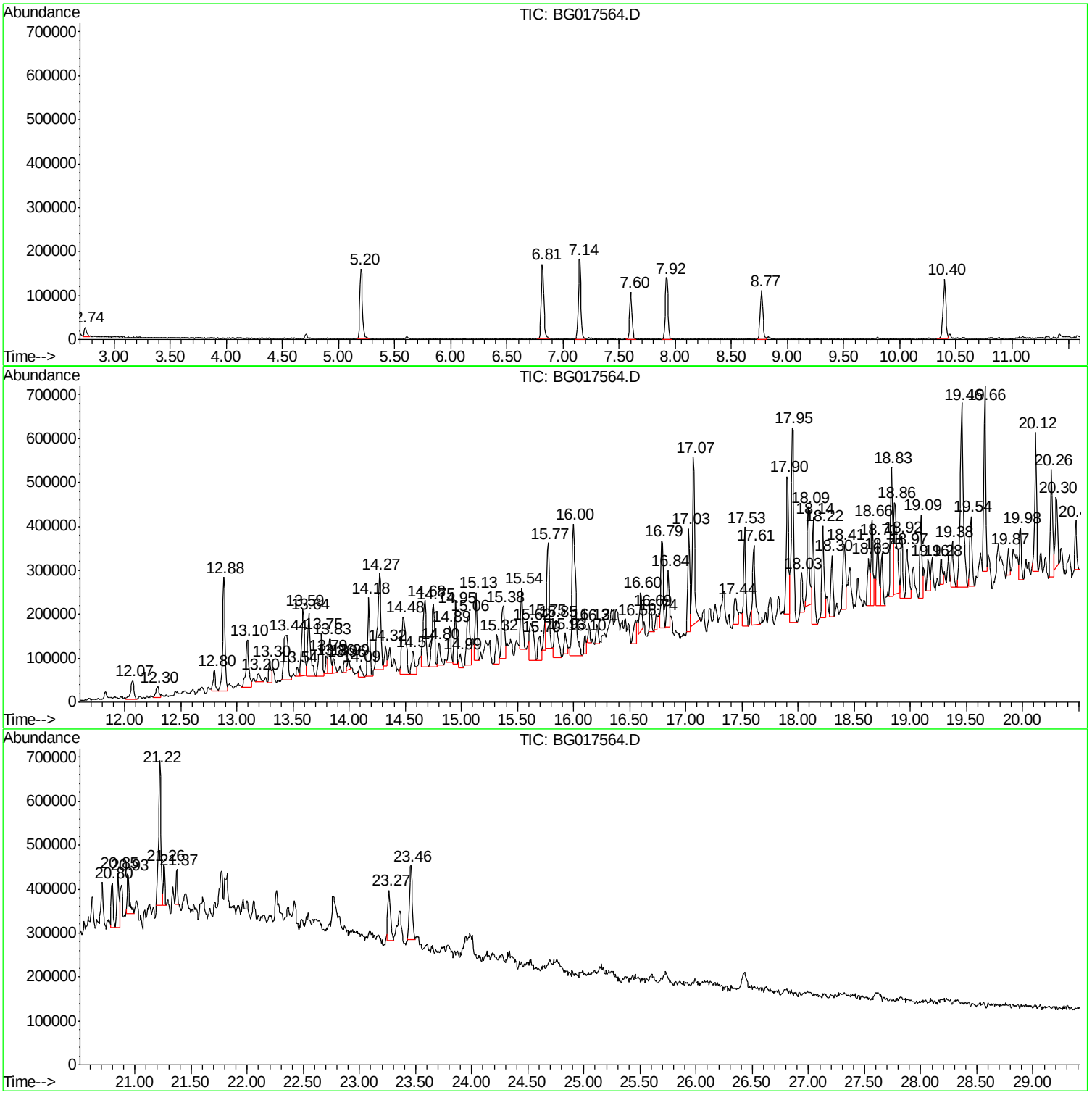
Sum of corrected areas: 20836832

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017564.D
Acq On : 9 Jun 2015 7:47
Operator : TP/IZ
Sample : G2450-16 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RT440NB6.2(2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017564.D
Acq On : 9 Jun 2015 7:47
Operator : TP/IZ
Sample : G2450-16 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RT440NB6.2(2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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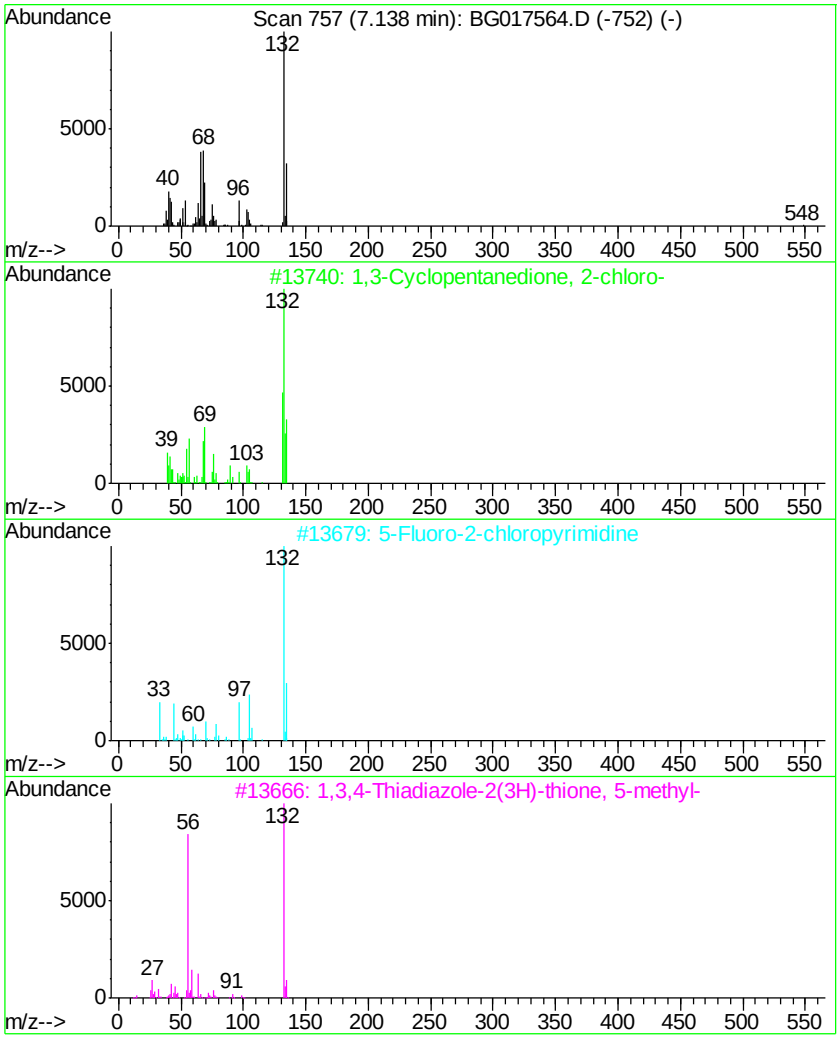
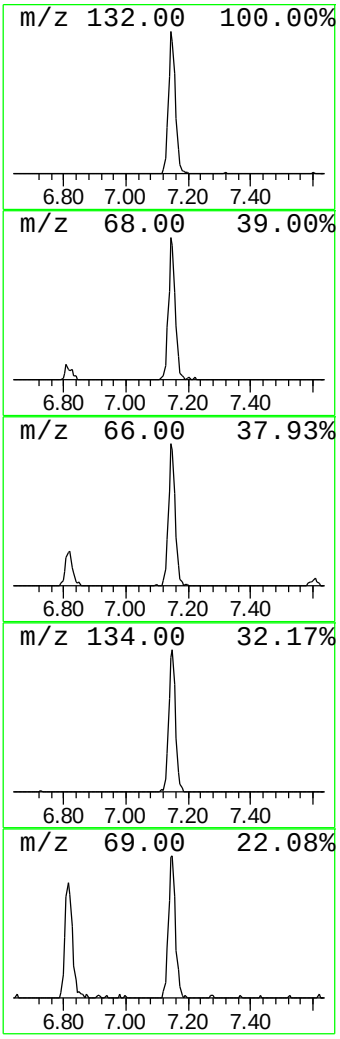
Peak Number 1 unknown7.14 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.14	36.24 ng	290429	1,4-Dichlorobenzene-d4	7.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	16
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	14
3	1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	14
4	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	14
5	Pyrazolo(2,3-a)pyridine, 7-methyl-	132	C8H8N2	034760-58-2	14





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017564.D
Acq On : 9 Jun 2015 7:47
Operator : TP/IZ
Sample : G2450-16 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RT440NB6.2(2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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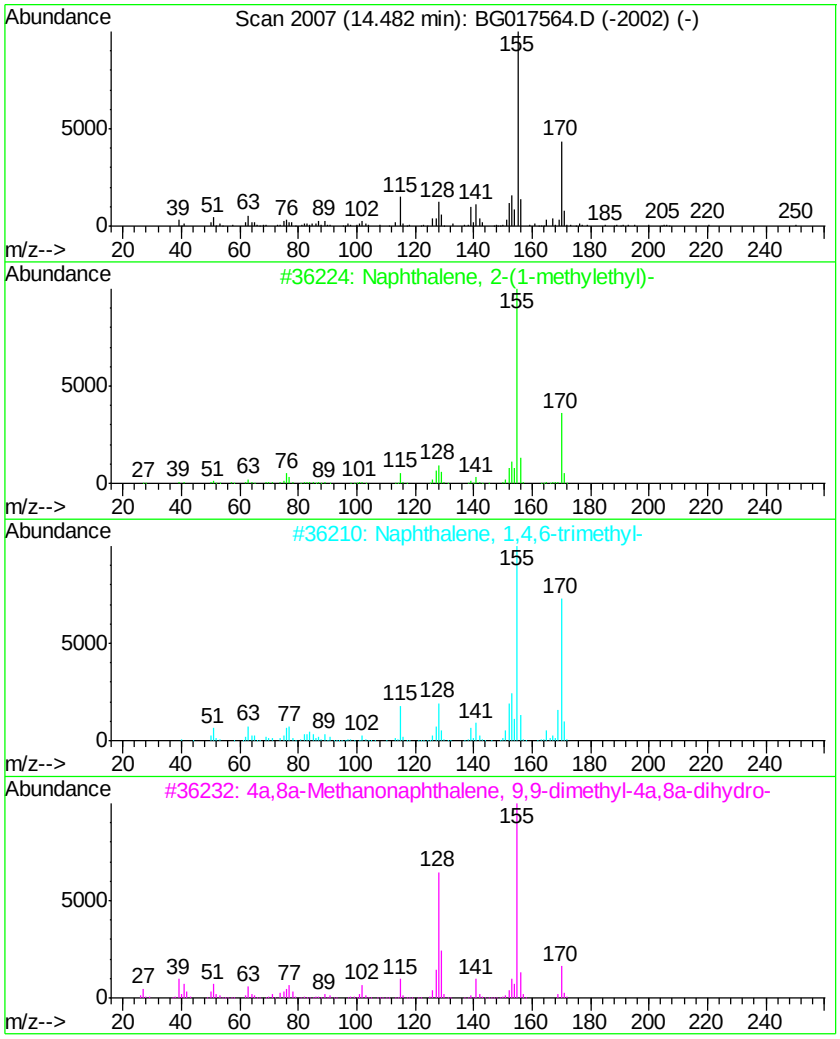
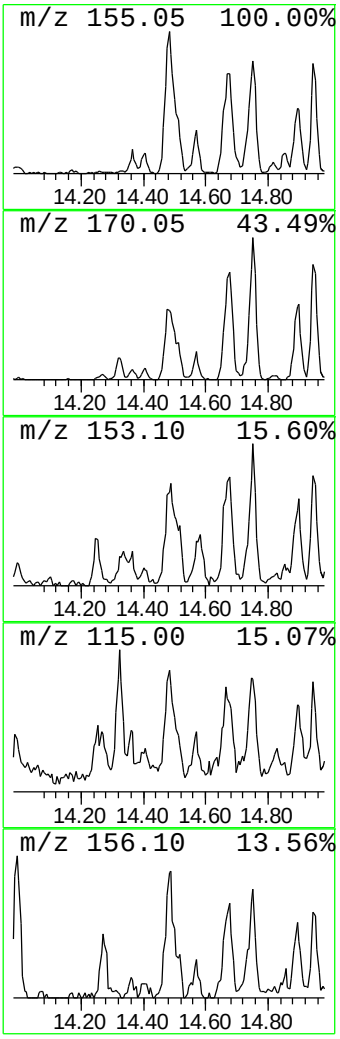
Peak Number 3 Naphthalene, 2-(1-methyleth... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.48	15.21 ng	335290	Acenaphthene-d10	14.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	90
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	86
3	4a,8a-Methanonaphthalene, 9,9-di...	170	C13H14	038963-97-2	80
4	2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	64
5	Ethanone, 1-(5-chloro-2-hydroxyp...	170	C8H7ClO2	001450-74-4	64





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017564.D
Acq On : 9 Jun 2015 7:47
Operator : TP/IZ
Sample : G2450-16 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RT440NB6.2(2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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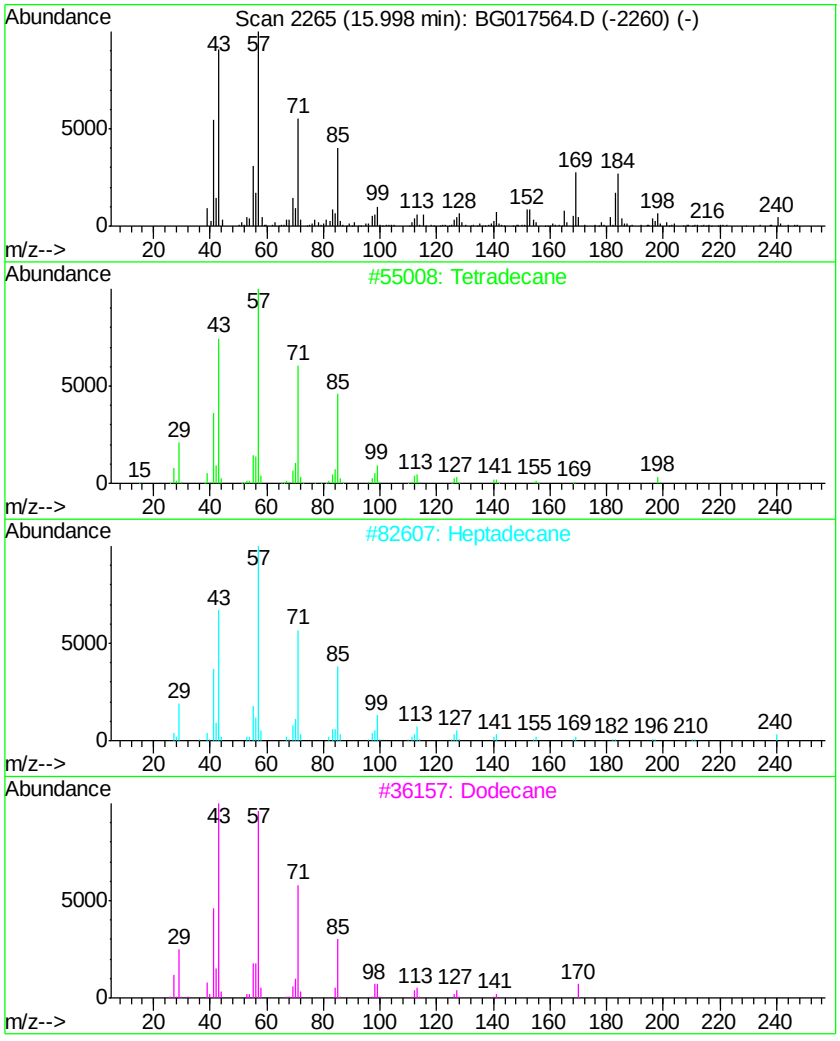
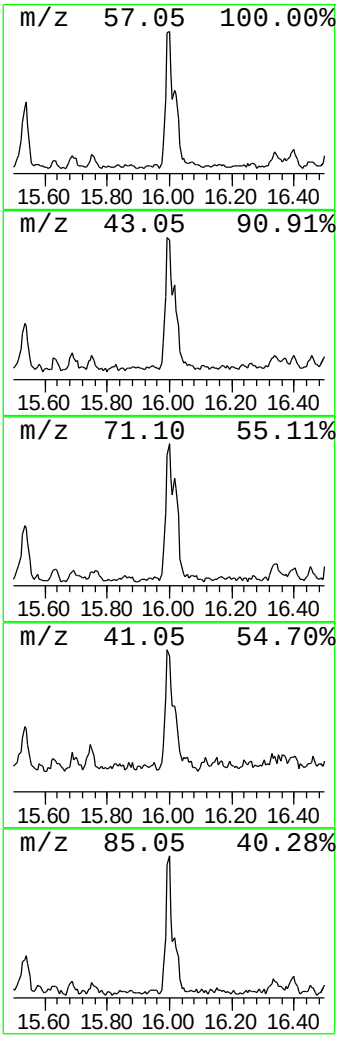
Peak Number 4 Tetradecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	41.69 ng	649728	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	95
2	Heptadecane	240	C17H36	000629-78-7	95
3	Dodecane	170	C12H26	000112-40-3	91
4	Pentadecane	212	C15H32	000629-62-9	49
5	Nonadecane	268	C19H40	000629-92-5	49





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017564.D
Acq On : 9 Jun 2015 7:47
Operator : TP/IZ
Sample : G2450-16 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RT440NB6.2(2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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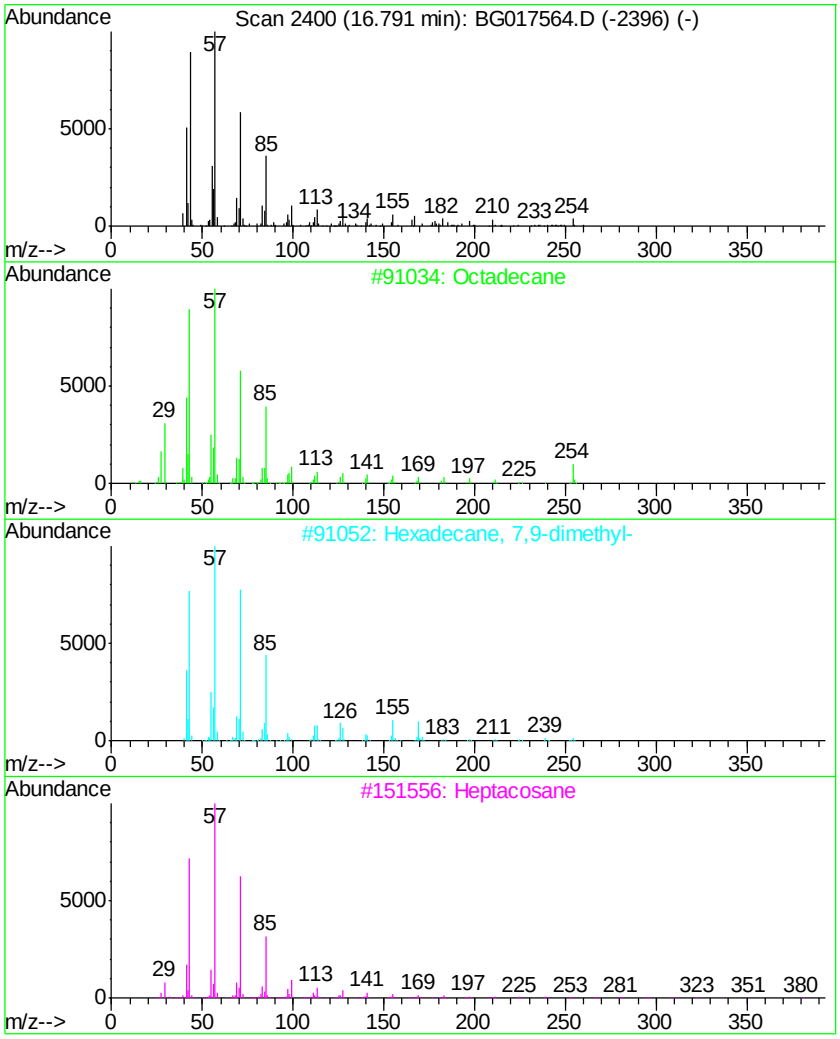
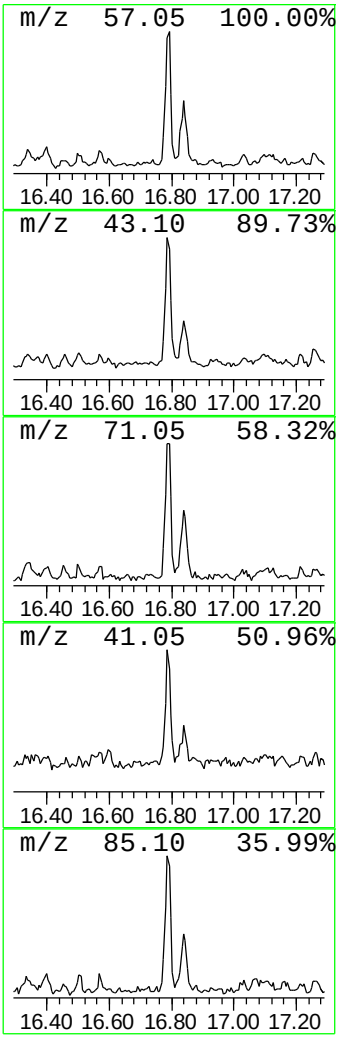
Peak Number 5 Octadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.79	17.08 ng	266270	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	91
2	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	90
3	Heptacosane	380	C27H56	000593-49-7	86
4	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	86
5	Eicosane	282	C20H42	000112-95-8	86





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017564.D
Acq On : 9 Jun 2015 7:47
Operator : TP/IZ
Sample : G2450-16 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RT440NB6.2(2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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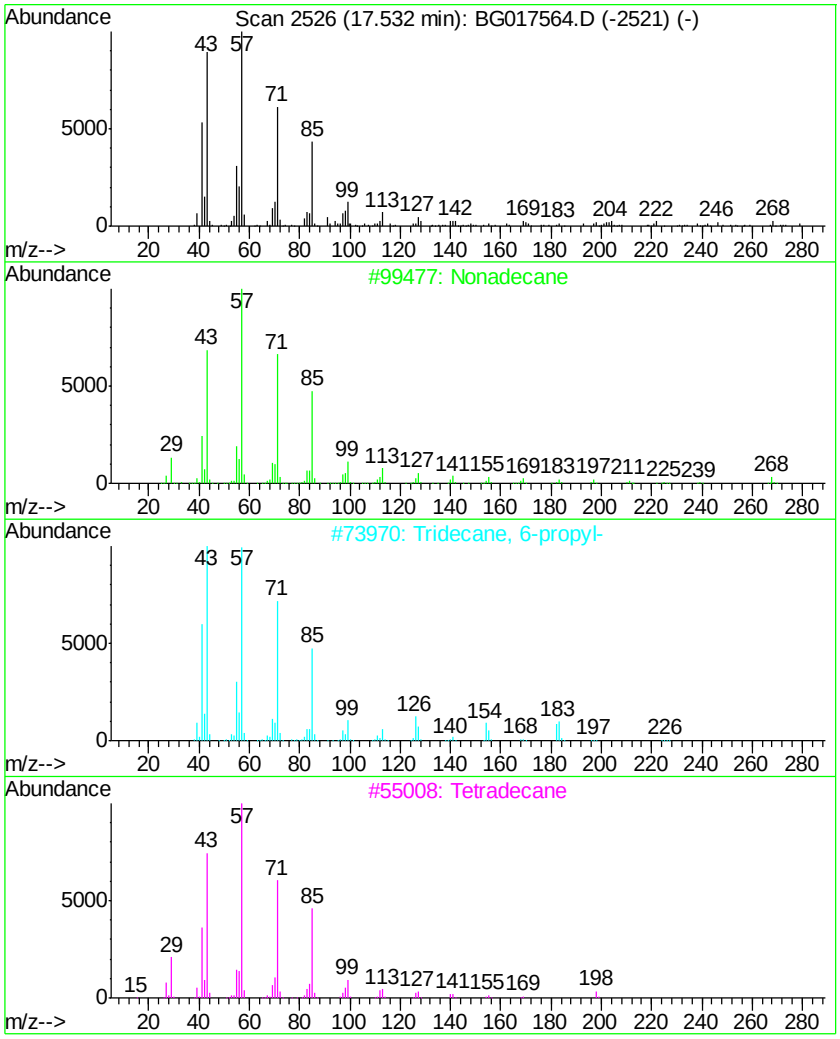
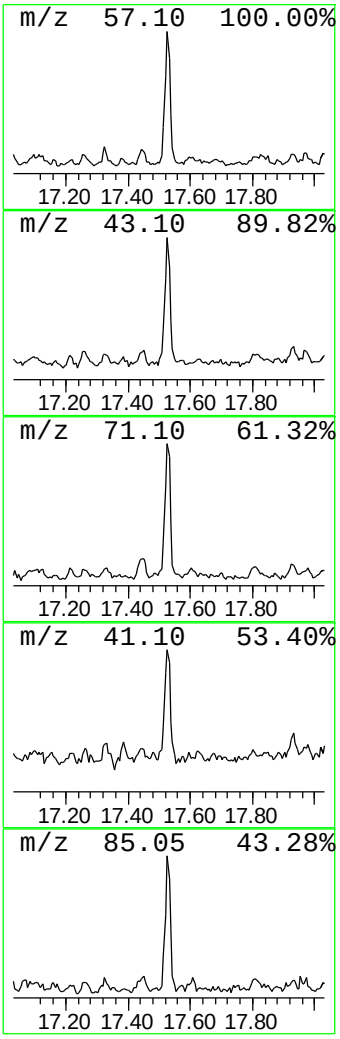
Peak Number 6 Nonadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.53	19.17 ng	298763	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	97
2	Tridecane, 6-propyl-	226	C16H34	055045-10-8	91
3	Tetradecane	198	C14H30	000629-59-4	83
4	Eicosane	282	C20H42	000112-95-8	83
5	Pentadecane	212	C15H32	000629-62-9	83





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Data File : BG017564.D
Acq On : 9 Jun 2015 7:47
Operator : TP/IZ
Sample : G2450-16 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RT440NB6.2(2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

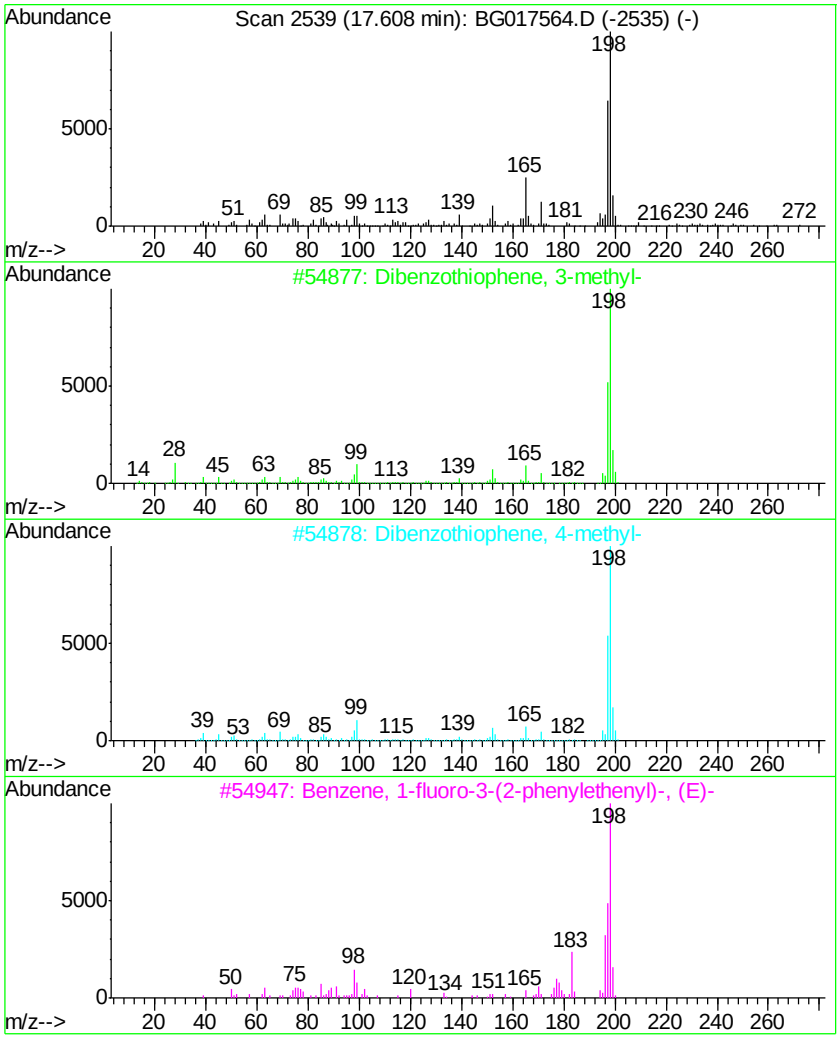
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

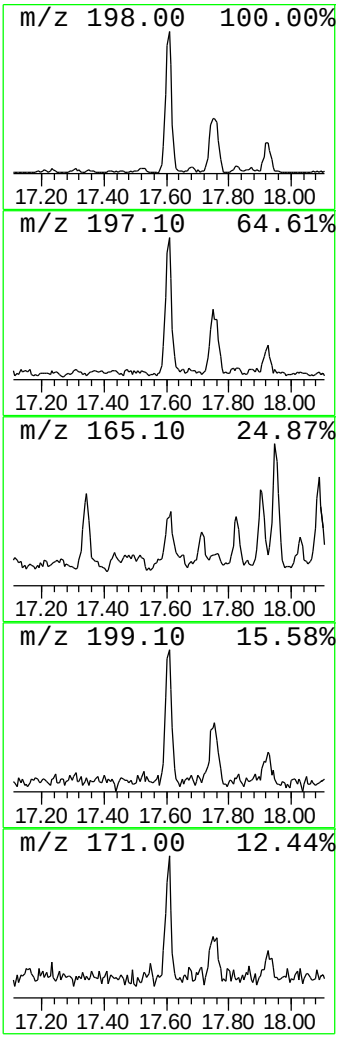
****

Peak Number 7 Dibenzothiophene, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.61	20.19 ng	314709	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	87
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	74
3	Benzene, 1-fluoro-3-(2-phenyleth...	198	C14H11F	003041-81-4	59
4	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	59
5	1,2,3,4-Tetrahydrophenanthren-9-ol	198	C14H14O	019817-12-0	59





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
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Acq On : 9 Jun 2015 7:47
Operator : TP/IZ
Sample : G2450-16 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RT440NB6.2(2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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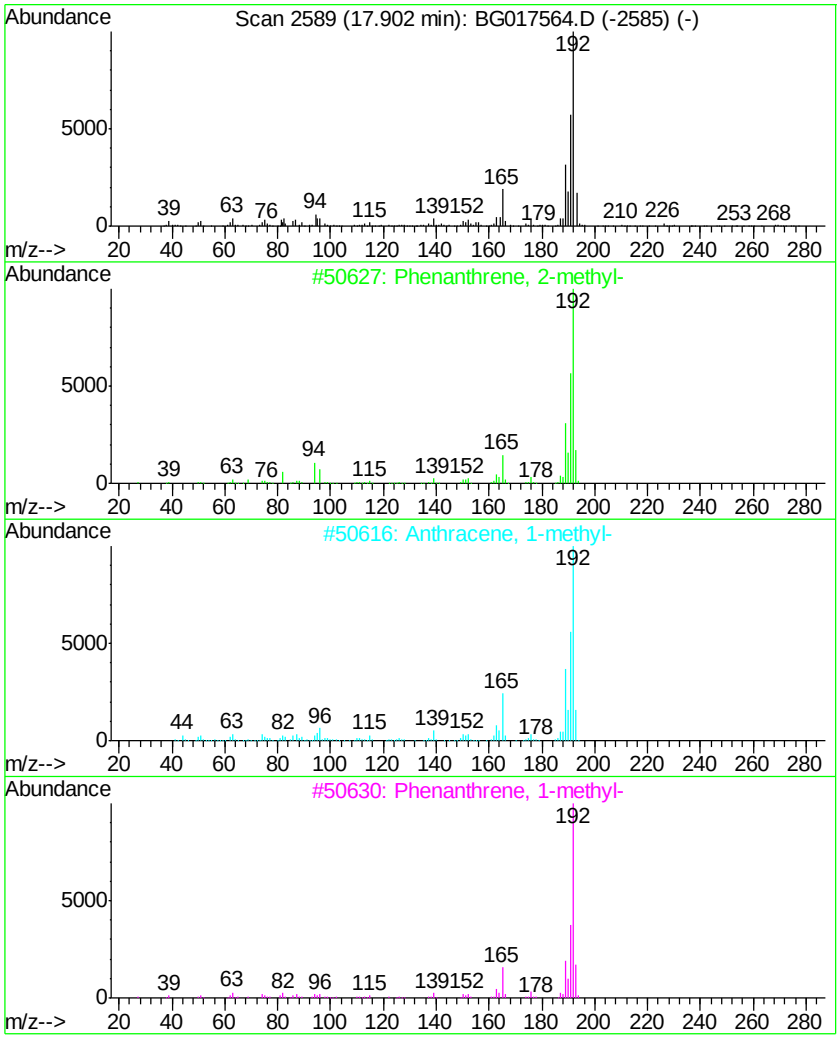
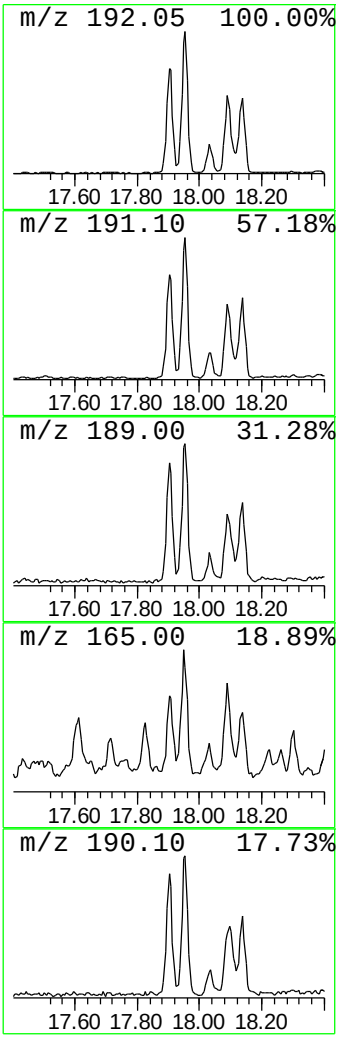
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.90	29.55 ng	460536	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





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Acq On : 9 Jun 2015 7:47
Operator : TP/IZ
Sample : G2450-16 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RT440NB6.2(2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

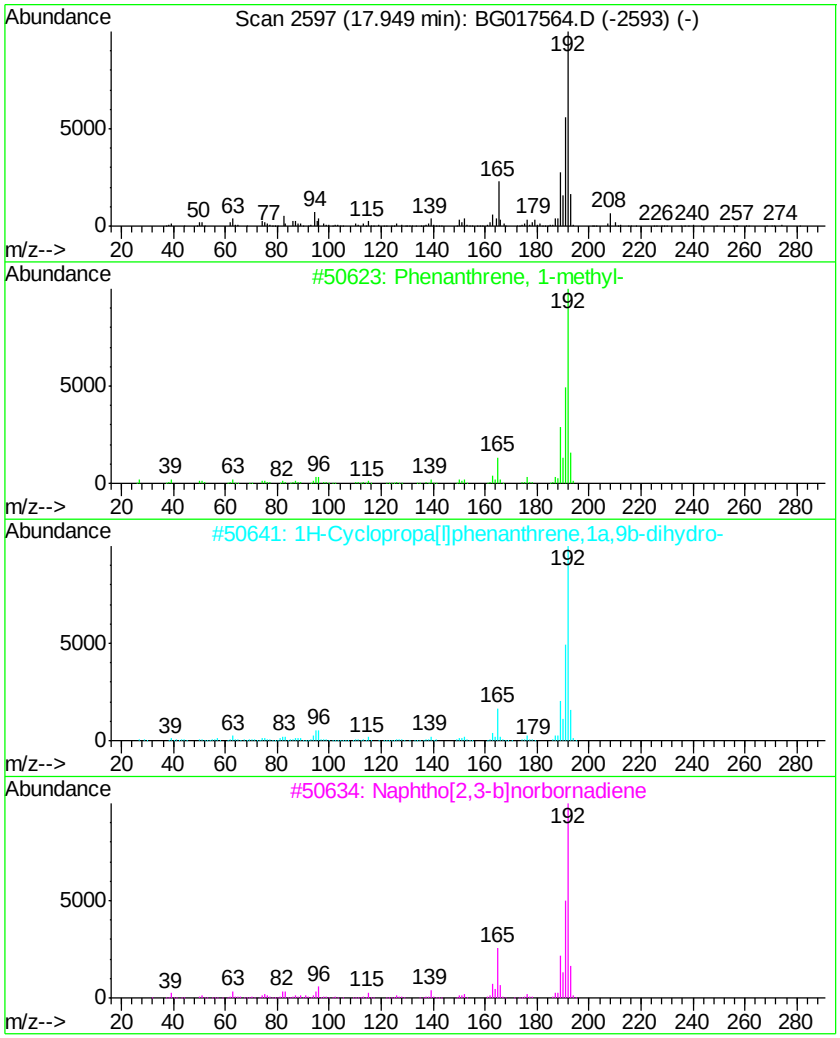
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

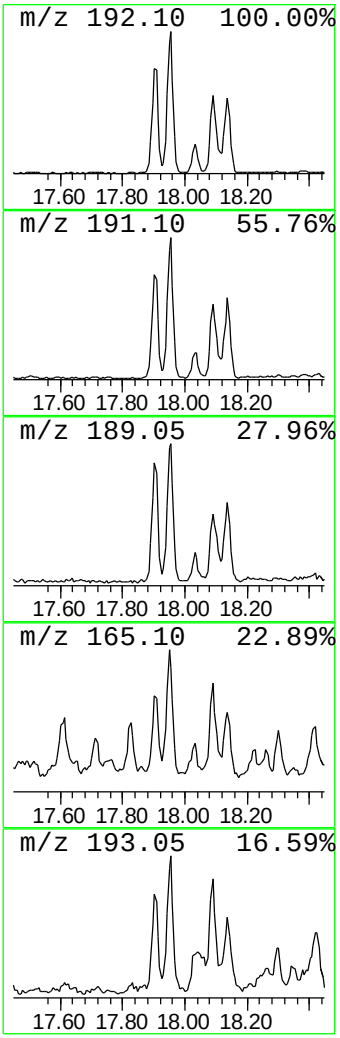
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	45.81 ng	713986	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
3	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	90





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Data File : BG017564.D
Acq On : 9 Jun 2015 7:47
Operator : TP/IZ
Sample : G2450-16 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RT440NB6.2(2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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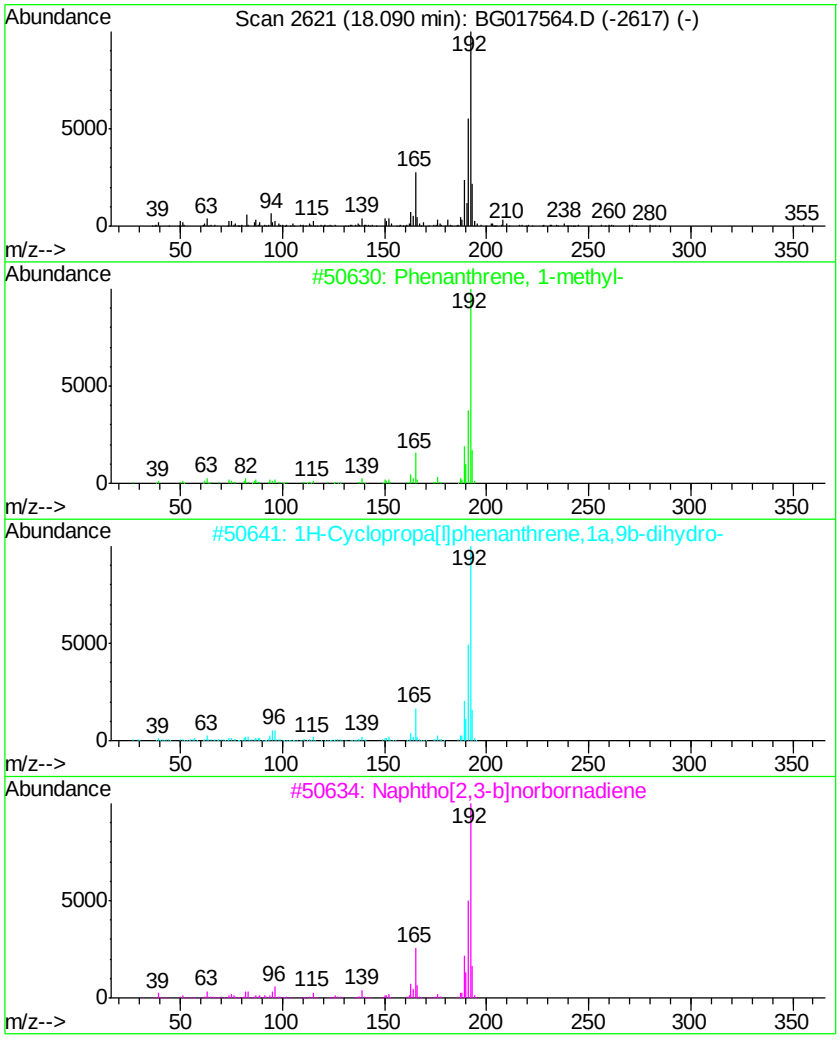
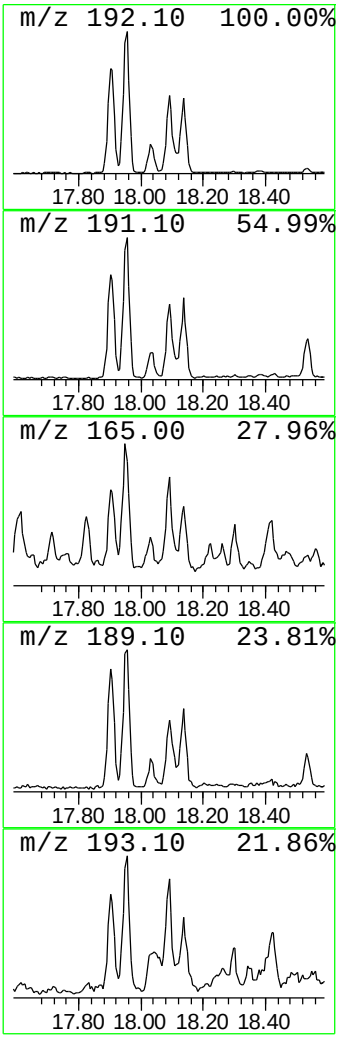
Peak Number 10 1H-Cyclopropa[l]phenanthren... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	20.38 ng	317693	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	90
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89





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Acq On : 9 Jun 2015 7:47
Operator : TP/IZ
Sample : G2450-16 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RT440NB6.2(2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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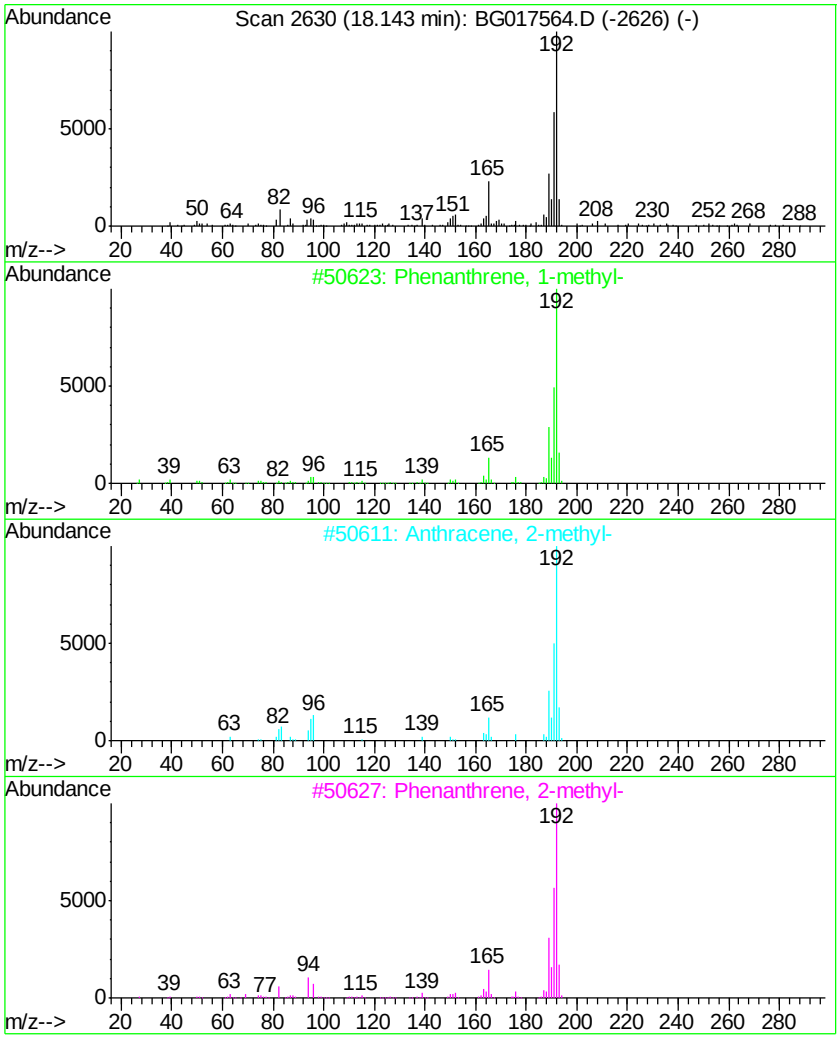
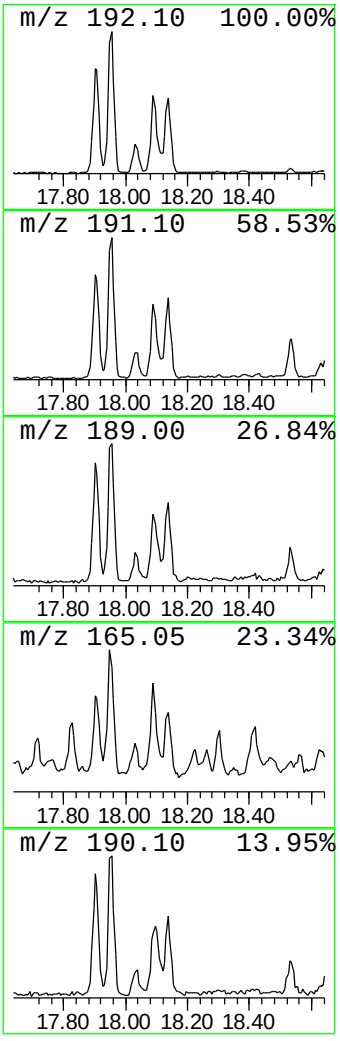
Peak Number 11 Anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	20.27 ng	315991	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	87
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87





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Acq On : 9 Jun 2015 7:47
Operator : TP/IZ
Sample : G2450-16 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RT440NB6.2(2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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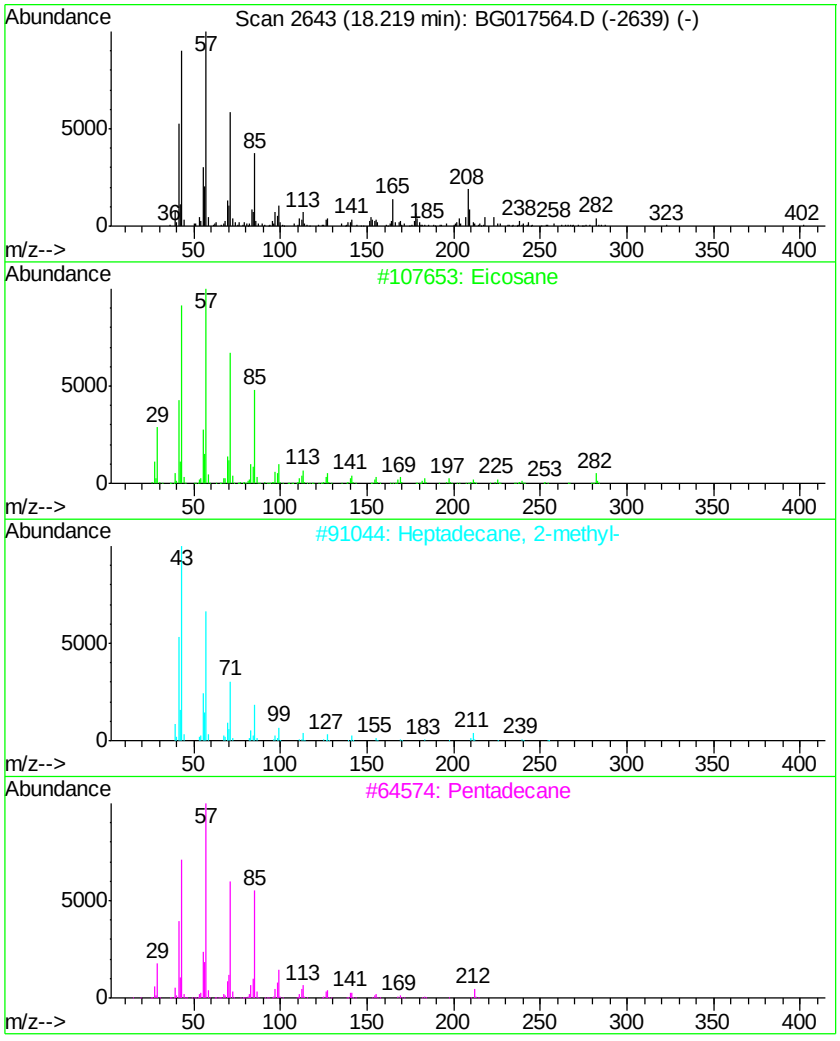
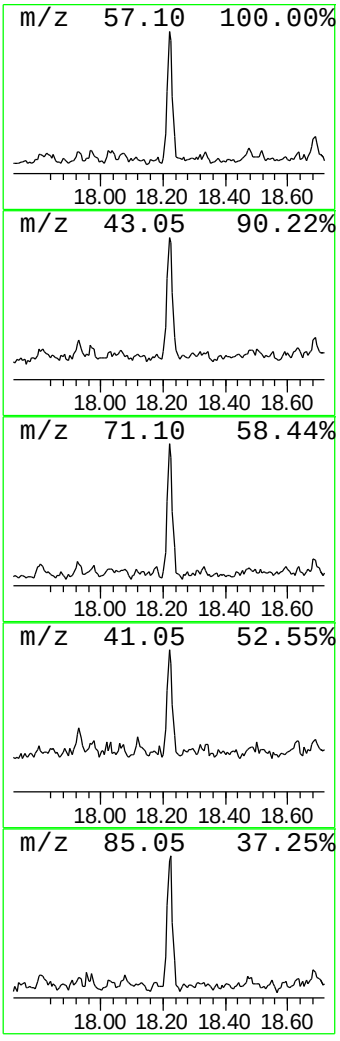
Peak Number 12 Eicosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.22	19.93 ng	310689	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	99
2	Heptadecane, 2-methyl-	254	C18H38	001560-89-0	89
3	Pentadecane	212	C15H32	000629-62-9	89
4	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	89
5	Heptadecane	240	C17H36	000629-78-7	86





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Acq On : 9 Jun 2015 7:47
Operator : TP/IZ
Sample : G2450-16 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RT440NB6.2(2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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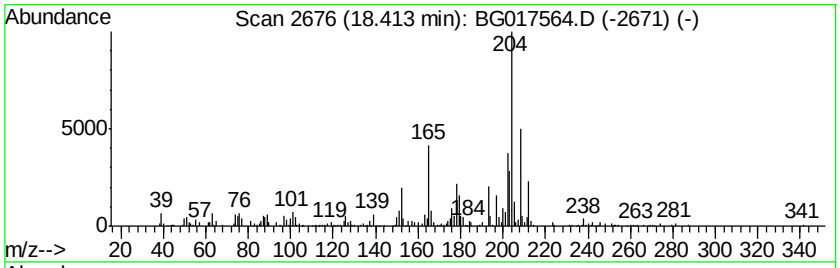
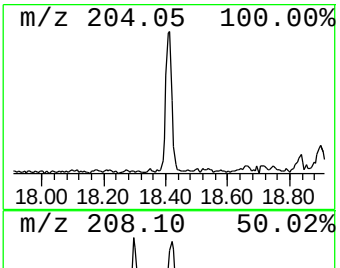
Peak Number 13 1,1,4a-Trimethyl-5,6-dimeth... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.41	16.54 ng	257756	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	91
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	78
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	41
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	38
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	38





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
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Acq On : 9 Jun 2015 7:47
Operator : TP/IZ
Sample : G2450-16 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RT440NB6.2(2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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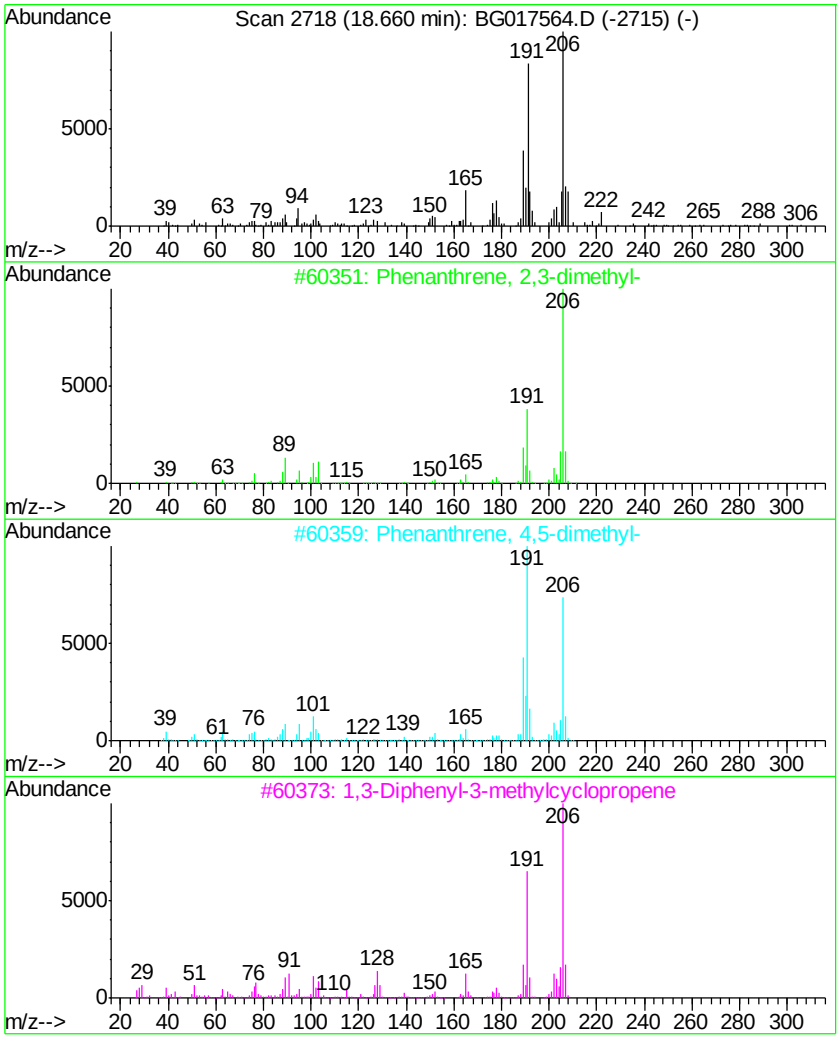
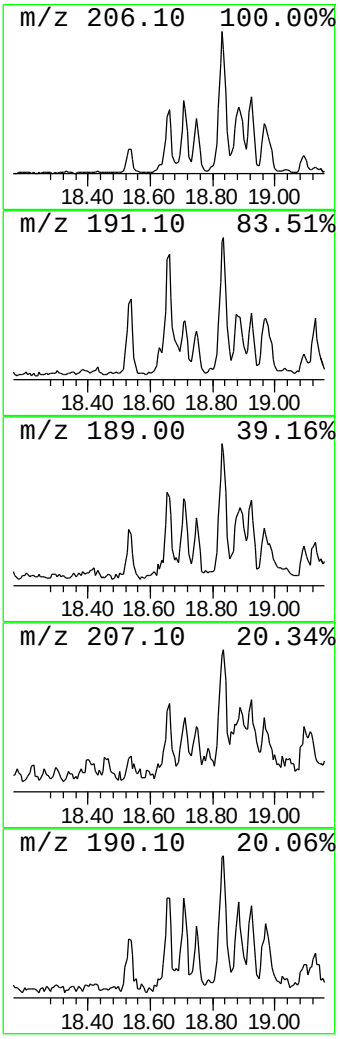
Peak Number 14 Phenanthrene, 2,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	17.32 ng	269959	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
3	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	90
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	87
5	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	87





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Acq On : 9 Jun 2015 7:47
Operator : TP/IZ
Sample : G2450-16 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RT440NB6.2(2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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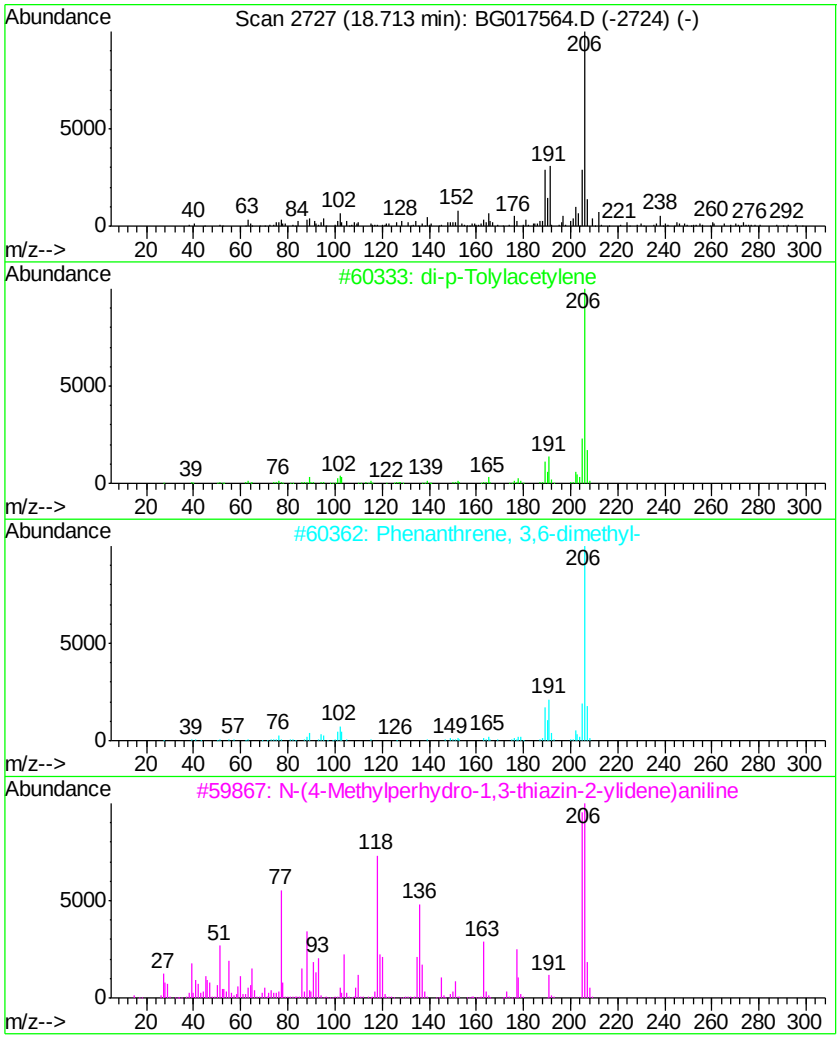
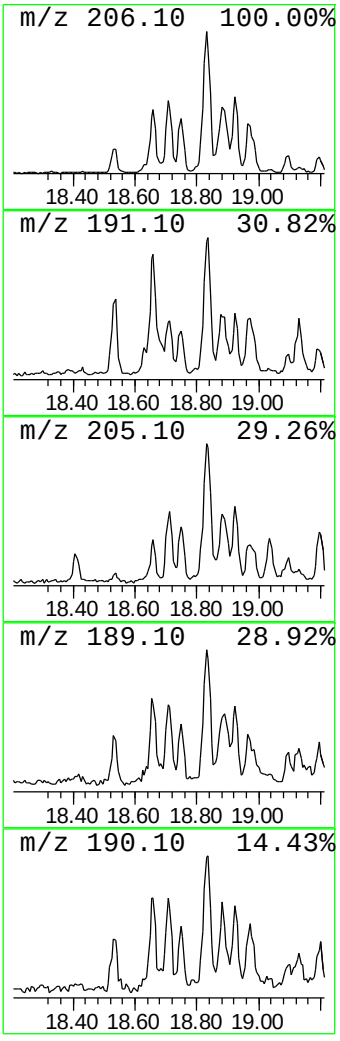
Peak Number 15 di-p-Tolylacetylene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.71	13.49 ng	210251	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	80
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	80
3	N-(4-Methylperhydro-1,3-thiazin-...	206	C11H14N2S	010554-34-4	52
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	47
5	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	47





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
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Acq On : 9 Jun 2015 7:47
Operator : TP/IZ
Sample : G2450-16 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RT440NB6.2(2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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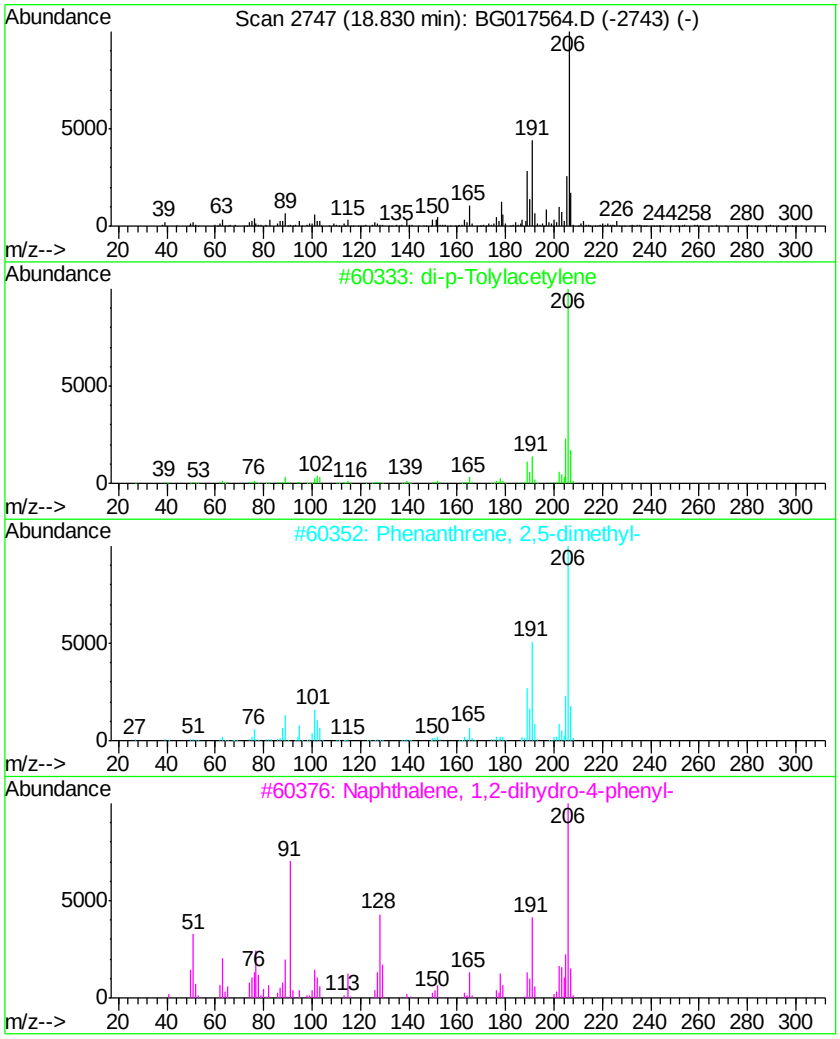
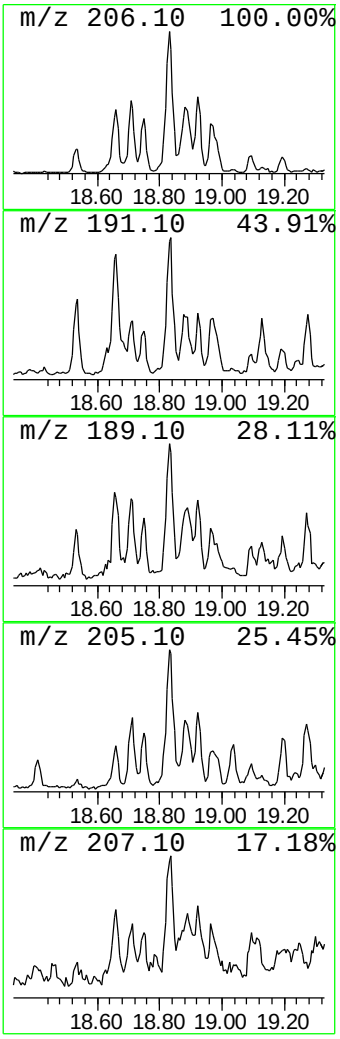
Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	27.93 ng	435336	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	90
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87





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Acq On : 9 Jun 2015 7:47
Operator : TP/IZ
Sample : G2450-16 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RT440NB6.2(2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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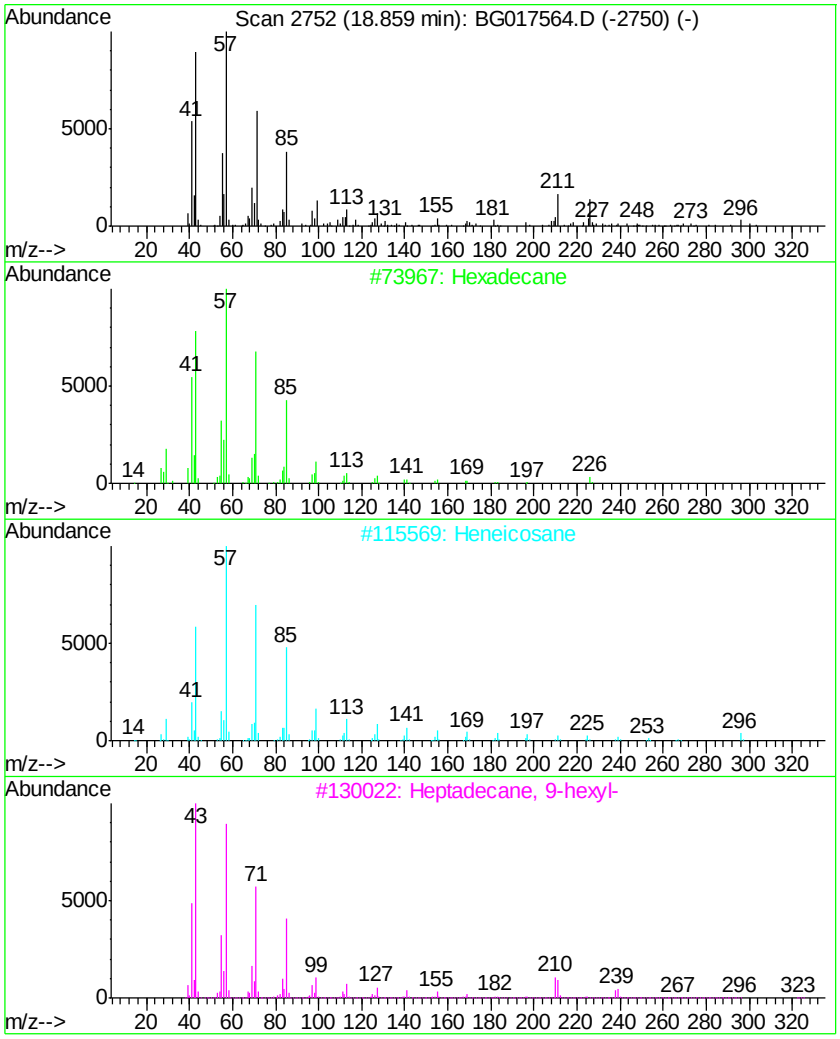
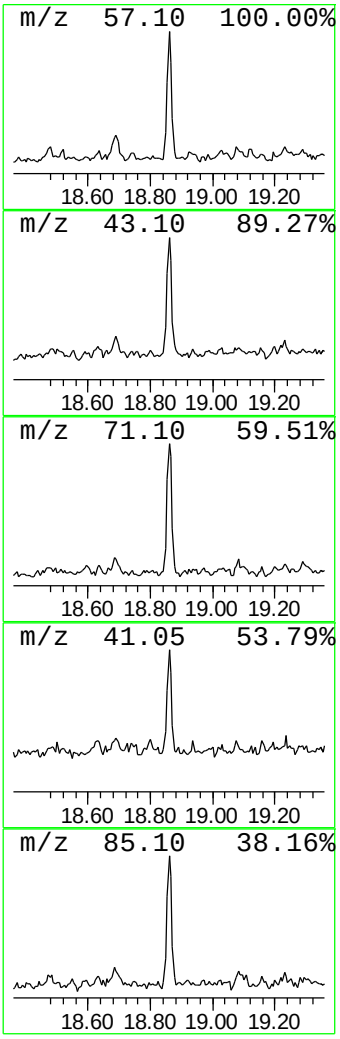
Peak Number 17 Hexadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	26.31 ng	410144	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	95
2	Heneicosane	296	C21H44	000629-94-7	93
3	Heptadecane, 9-hexyl-	324	C23H48	055124-79-3	83
4	Tridecane, 2-methyl-	198	C14H30	001560-96-9	76
5	Nonadecane, 2-methyl-	282	C20H42	001560-86-7	68





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017564.D
Acq On : 9 Jun 2015 7:47
Operator : TP/IZ
Sample : G2450-16 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RT440NB6.2(2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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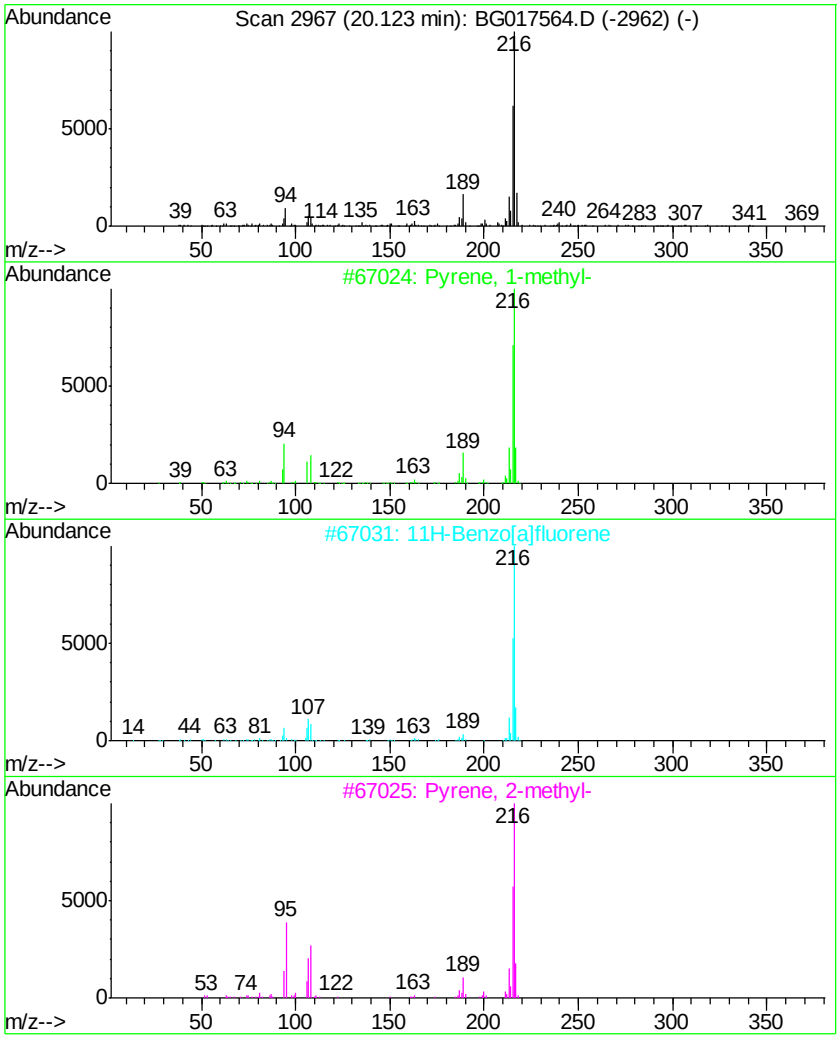
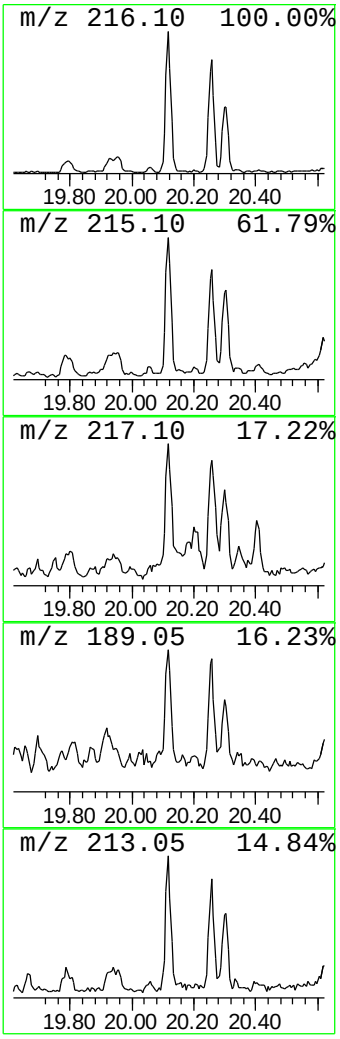
Peak Number 18 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.12	14.92 ng	371824	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	90





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017564.D
Acq On : 9 Jun 2015 7:47
Operator : TP/IZ
Sample : G2450-16 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RT440NB6.2(2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

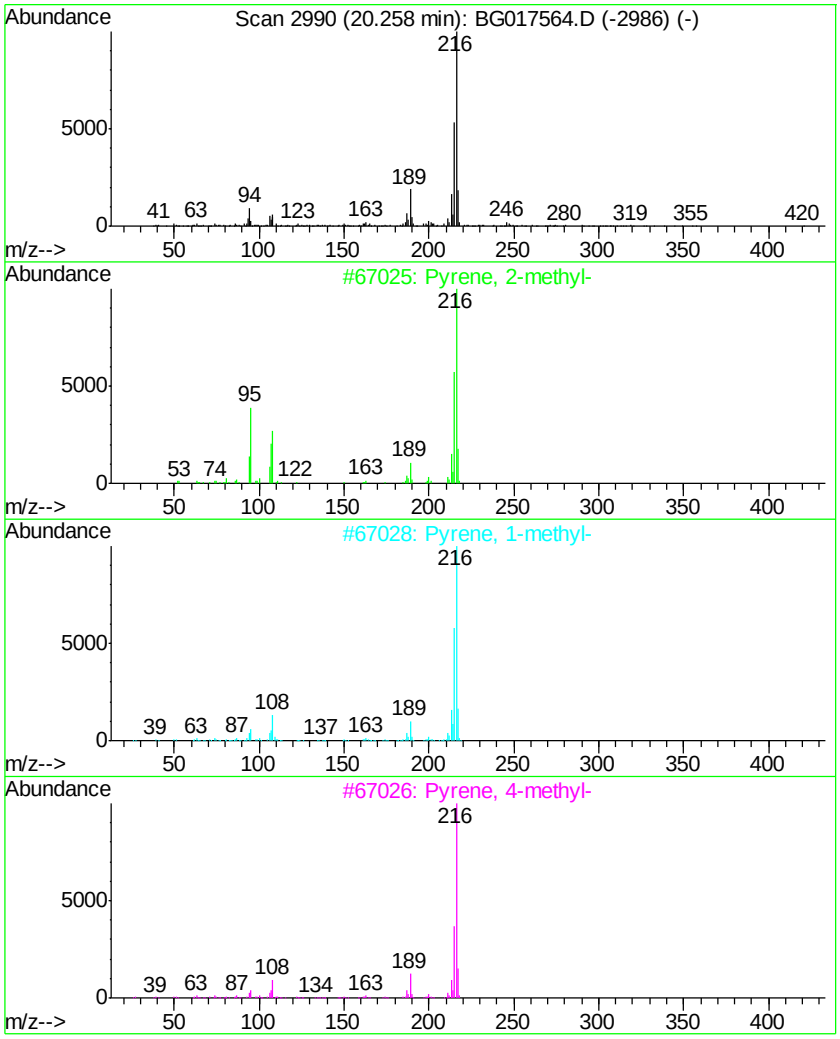
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

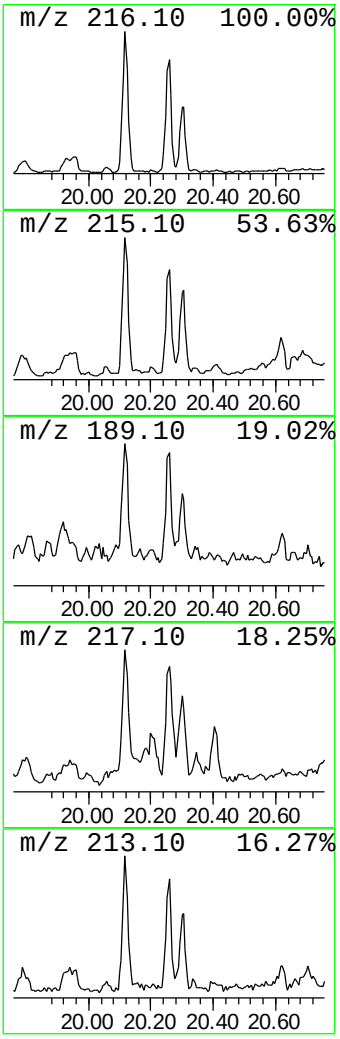
****

Peak Number 19 Pyrene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.26	14.10 ng	351329	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017564.D
Acq On : 9 Jun 2015 7:47
Operator : TP/IZ
Sample : G2450-16 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RT440NB6.2(2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT 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
unknown7.14	7.14	36.2	ng	290429	1	7.60	160278	20.0
Naphthalene, 2-(1...	14.48	15.2	ng	335290	3	14.27	440841	20.0
Tetradecane	16.00	41.7	ng	649728	4	17.03	311732	20.0
Octadecane	16.79	17.1	ng	266270	4	17.03	311732	20.0
Nonadecane	17.53	19.2	ng	298763	4	17.03	311732	20.0
Dibenzothiophene,...	17.61	20.2	ng	314709	4	17.03	311732	20.0
Phenanthrene, 2-m...	17.90	29.6	ng	460536	4	17.03	311732	20.0
Phenanthrene, 1-m...	17.95	45.8	ng	713986	4	17.03	311732	20.0
1H-Cyclopropa[l]p...	18.09	20.4	ng	317693	4	17.03	311732	20.0
Anthracene, 2-met...	18.14	20.3	ng	315991	4	17.03	311732	20.0
Eicosane	18.22	19.9	ng	310689	4	17.03	311732	20.0
1,1,4a-Trimethyl-...	18.41	16.5	ng	257756	4	17.03	311732	20.0
Phenanthrene, 2,3...	18.66	17.3	ng	269959	4	17.03	311732	20.0
di-p-Tolylacetylene	18.71	13.5	ng	210251	4	17.03	311732	20.0
Phenanthrene, 2,5...	18.83	27.9	ng	435336	4	17.03	311732	20.0
Hexadecane	18.86	26.3	ng	410144	4	17.03	311732	20.0
Pyrene, 1-methyl-	20.12	14.9	ng	371824	5	21.22	498292	20.0
Pyrene, 2-methyl-	20.26	14.1	ng	351329	5	21.22	498292	20.0