LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017547.D
Acq On : 8 Jun 2015 17:29
Operator : TP/IZ
Sample : G2555-06 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUSO-006

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	7	9	15	rVB2	17223	20009	2.62%	0.169%
2	5.205	422	428	439	rBV	108314	171180	22.40%	1.448%
3	6.821	697	703	715	rBV	122234	196638	25.73%	1.664%
4	7.150	753	759	767	rVB	127361	202758	26.53%	1.716%
5	7.608	830	837	845	rBV	99344	149545	19.56%	1.265%
6	7.925	885	891	898	rBV	95548	151912	19.87%	1.285%
7	8.771	1029	1035	1046	rVB	77172	128699	16.84%	1.089%
8	10.405	1305	1313	1318	rBV2	125471	207019	27.08%	1.752%
9	10.452	1318	1321	1329	rVB	23257	36772	4.81%	0.311%
10	12.079	1592	1598	1607	rBV	64451	101142	13.23%	0.856%
11	12.302	1631	1636	1642	rVB	64711	100078	13.09%	0.847%
12	12.896	1729	1737	1749	rVB	190599	285235	37.32%	2.414%
13	13.442	1822	1830	1831	rBV2	29537	47039	6.15%	0.398%
14	13.601	1847	1857	1862	rBV	65419	117207	15.33%	0.992%
15	13.654	1862	1866	1870	rBV2	40874	55471	7.26%	0.469%
16	13.742	1877	1881	1887	rVV2	17624	25571	3.35%	0.216%
17	13.836	1890	1897	1900	rVV	36109	53575	7.01%	0.453%
18	13.871	1900	1903	1908	rVB3	15155	20235	2.65%	0.171%
19	14.000	1921	1925	1931	rVB3	39846	55369	7.24%	0.469%
20	14.282	1963	1973	1979	rVV2	190340	310468	40.62%	2.627%
21	14.347	1979	1984	1992	rVV2	24293	47413	6.20%	0.401%
22	14.494	2003	2009	2017	rVB6	11885	26524	3.47%	0.224%
23	14.682	2037	2041	2048	rVB3	34554	54917	7.18%	0.465%
24	14.758	2048	2054	2059	rBV2	28735	42403	5.55%	0.359%
25	14.905	2073	2079	2083	rVB2	26723	41806	5.47%	0.354%
26	14.958	2083	2088	2092	rBV3	18722	24714	3.23%	0.209%
27	15.058	2100	2105	2106	rBV	17521	22067	2.89%	0.187%
28	15.334	2146	2152	2157	rBV2	88885	139239	18.22%	1.178%
29	15.458	2171	2173	2176	rVV3	19279	22776	2.98%	0.193%
30	15.493	2176	2179	2184	rVV5	15517	24613	3.22%	0.208%
31	15.552	2184	2189	2192	rVV5	12369	20179	2.64%	0.171%
32	15.628	2196	2202	2211	rVB5	18706	42259	5.53%	0.358%
33	15.781	2217	2228	2236	rBV2	165858	252674	33.06%	2.138%
34	16.010	2262	2267	2275	rVB6	20379	41544	5.44%	0.352%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017547.D
Acq On : 8 Jun 2015 17:29
Operator : TP/IZ
Sample : G2555-06 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUSO-006

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	16.339	2313	2323	2328	rBV2	43482	100144	13.10%	0.847%
36	16.392	2328	2332	2337	rVB2	32101	47126	6.17%	0.399%
37	16.492	2343	2349	2355	rVB3	27912	44559	5.83%	0.377%
38	16.574	2360	2363	2366	rVV3	11899	19017	2.49%	0.161%
39	16.691	2378	2383	2390	rVB7	16394	28970	3.79%	0.245%
40	16.768	2390	2396	2399	rBV6	12752	22945	3.00%	0.194%
41	16.850	2406	2410	2420	rVB	46482	74493	9.75%	0.630%
42	17.038	2436	2442	2445	rBV	216543	318087	41.61%	2.692%
43	17.079	2445	2449	2455	rVB	456170	594423	77.77%	5.030%
44	17.167	2460	2464	2470	rVB	54726	68244	8.93%	0.577%
45	17.226	2470	2474	2480	rBV6	19208	37250	4.87%	0.315%
46	17.449	2506	2512	2514	rBV4	16622	23353	3.06%	0.198%
47	17.555	2524	2530	2534	rBV4	19086	25767	3.37%	0.218%
48	17.614	2536	2540	2548	rVB3	43305	70239	9.19%	0.594%
49	17.761	2561	2565	2571	rVB	24573	43887	5.74%	0.371%
50	17.914	2585	2591	2595	rBV	142445	207093	27.09%	1.752%
51	17.961	2595	2599	2606	rVB	172816	237498	31.07%	2.010%
52	18.043	2606	2613	2618	rBV	40416	65320	8.55%	0.553%
53	18.107	2618	2624	2628	rVV2	166063	310469	40.62%	2.627%
54	18.143	2628	2630	2638	rVB	119498	151214	19.78%	1.280%
55	18.313	2655	2659	2663	rBV4	13809	18312	2.40%	0.155%
56	18.419	2672	2677	2681	rVV2	64311	96081	12.57%	0.813%
57	18.466	2681	2685	2690	rVB3	21799	41647	5.45%	0.352%
58	18.636	2710	2714	2716	rBV4	17901	24393	3.19%	0.206%
59	18.666	2716	2719	2724	rVB2	29785	34052	4.45%	0.288%
60	18.718	2724	2728	2731	rBV	32391	38615	5.05%	0.327%
61	18.754	2731	2734	2739	rVB2	27717	37000	4.84%	0.313%
62	18.842	2743	2749	2753	rBV	100221	165812	21.69%	1.403%
63	18.901	2753	2759	2762	rBV3	39475	76003	9.94%	0.643%
64	18.936	2762	2765	2768	rVB	31173	35076	4.59%	0.297%
65	18.983	2768	2773	2775	rBV3	43293	73670	9.64%	0.623%
66	19.106	2788	2794	2798	rBV	405595	529693	69.30%	4.482%
67	19.165	2801	2804	2807	rVV2	31388	42623	5.58%	0.361%
68	19.200	2807	2810	2815	rVV4	39225	62384	8.16%	0.528%
69	19.259	2817	2820	2822	rVV4	14854	18422	2.41%	0.156%
70	19.306	2824	2828	2830	rVV4	14495	20742	2.71%	0.176%
71	19.347	2830	2835	2838	rVV2	34941	49714	6.50%	0.421%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017547.D
Acq On : 8 Jun 2015 17:29
Operator : TP/IZ
Sample : G2555-06 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUSO-006

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	19.377	2838	2840	2845	rVV6	17358	24221	3.17%	0.205%
73	19.471	2846	2856	2864	rVV	480483	764367	100.00%	6.468%
74	19.547	2864	2869	2875	rVB3	37302	60317	7.89%	0.510%
75	19.676	2882	2891	2894	rBV	318806	405901	53.10%	3.435%
76	19.794	2906	2911	2923	rBV5	60042	156284	20.45%	1.322%
77	19.888	2923	2927	2930	rVV6	23111	34018	4.45%	0.288%
78	19.929	2930	2934	2936	rVV3	50398	77145	10.09%	0.653%
79	19.970	2937	2941	2946	rVB	115053	164865	21.57%	1.395%
80	20.064	2954	2957	2962	rVB	77716	100611	13.16%	0.851%
81	20.123	2962	2967	2972	rBV2	91920	126240	16.52%	1.068%
82	20.264	2987	2991	2995	rBV	76191	89038	11.65%	0.753%
83	20.311	2995	2999	3003	rVV	76490	97725	12.79%	0.827%
84	20.428	3015	3019	3024	rVB7	22187	36191	4.73%	0.306%
85	20.487	3024	3029	3030	rBV4	18704	27170	3.55%	0.230%
86	20.675	3059	3061	3065	rBV3	15688	19711	2.58%	0.167%
87	20.716	3065	3068	3075	rVB4	39191	67180	8.79%	0.568%
88	20.881	3092	3096	3099	rVB2	46596	58133	7.61%	0.492%
89	20.916	3099	3102	3105	rBV	45190	51841	6.78%	0.439%
90	20.951	3105	3108	3113	rVB3	32513	44766	5.86%	0.379%
91	21.227	3149	3155	3159	rBV2	358825	713519	93.35%	6.037%
92	21.268	3159	3162	3167	rVB	249200	299940	39.24%	2.538%
93	21.386	3179	3182	3187	rBV3	36215	48447	6.34%	0.410%
94	21.780	3246	3249	3252	rVB	83886	90725	11.87%	0.768%
95	21.832	3255	3258	3263	rVB	60330	77550	10.15%	0.656%
96	21.973	3279	3282	3285	rBV	58516	63069	8.25%	0.534%
97	22.796	3417	3422	3428	rBV	125149	308228	40.32%	2.608%
98	23.278	3500	3504	3511	rVB	82681	150781	19.73%	1.276%
99	23.372	3515	3520	3526	rVB	153321	267455	34.99%	2.263%
100	23.472	3531	3537	3542	rVV	173215	299347	39.16%	2.533%

Sum of corrected areas: 11818172

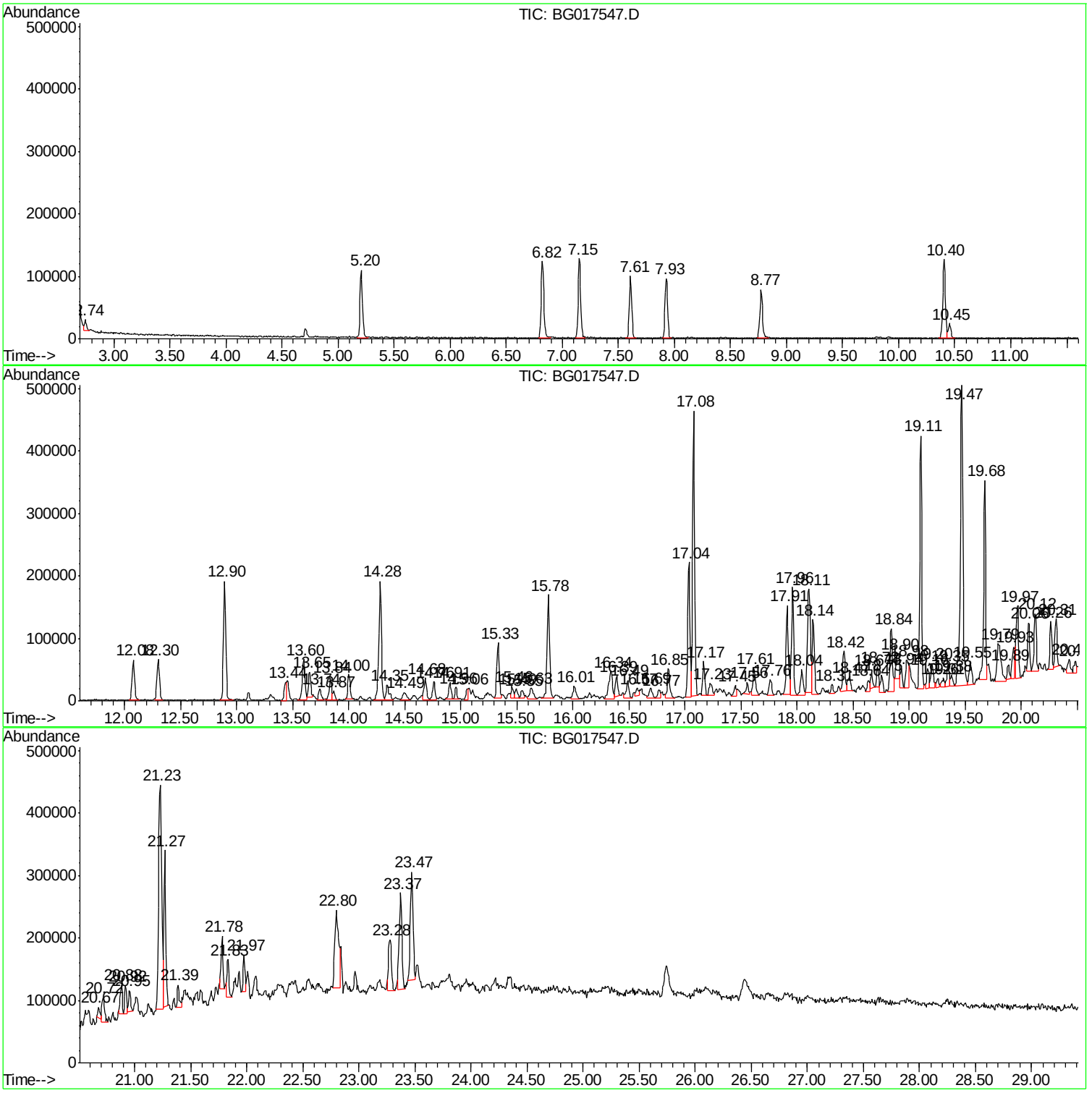
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017547.D
Acq On : 8 Jun 2015 17:29
Operator : TP/IZ
Sample : G2555-06 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUSO-006

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 : BG017547.D
Acq On : 8 Jun 2015 17:29
Operator : TP/IZ
Sample : G2555-06 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUSO-006

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

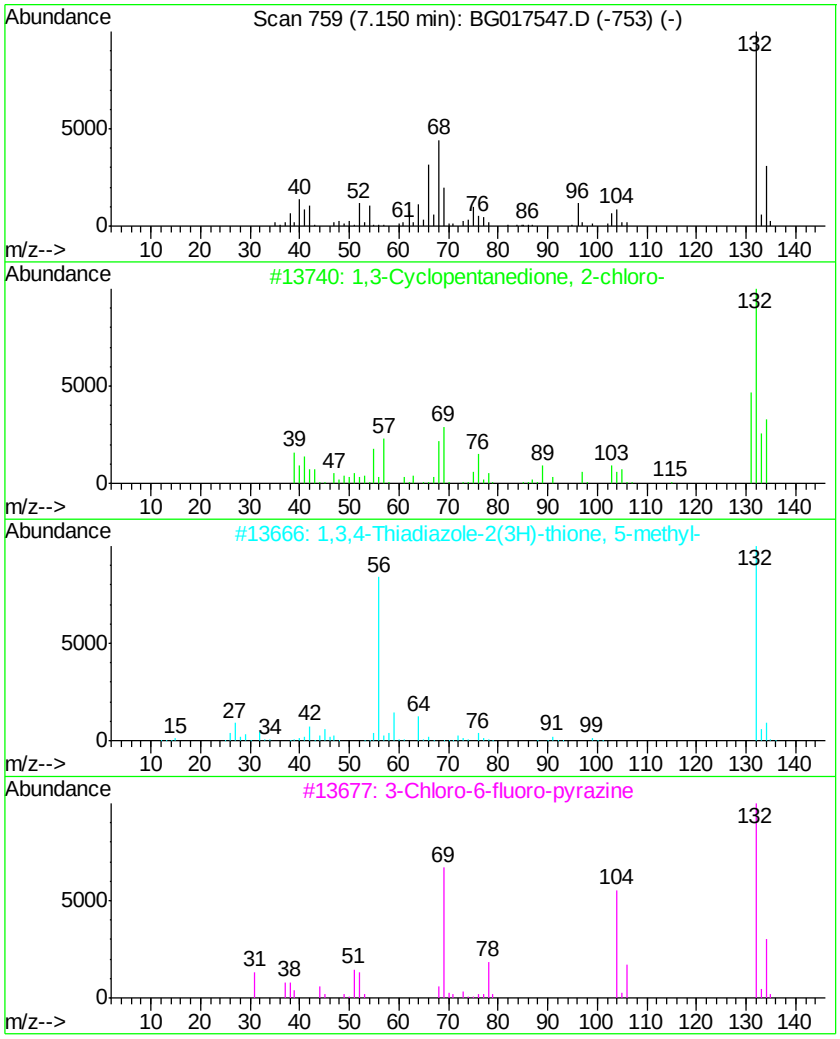
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

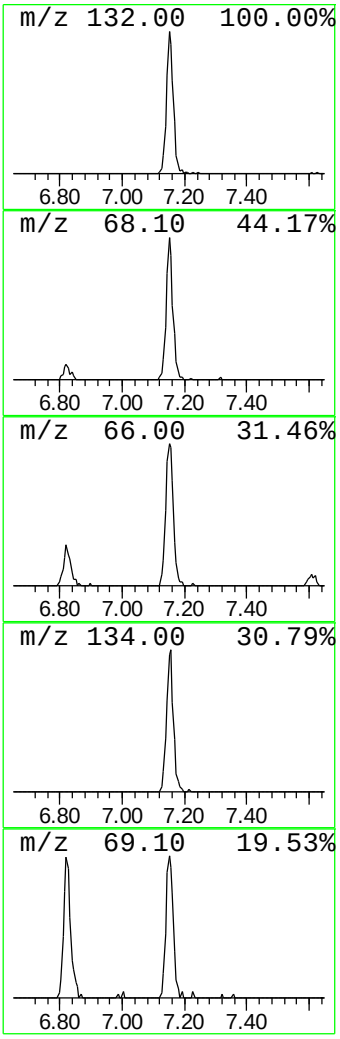
****

Peak Number 1 unknown7.15 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.15	27.12 ng	202758	1,4-Dichlorobenzene-d4	7.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	35
2	1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	27
3	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	27
5	Benzene, 1,2,4-trifluoro-	132	C6H3F3	000367-23-7	22





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017547.D
Acq On : 8 Jun 2015 17:29
Operator : TP/IZ
Sample : G2555-06 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUSO-006

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

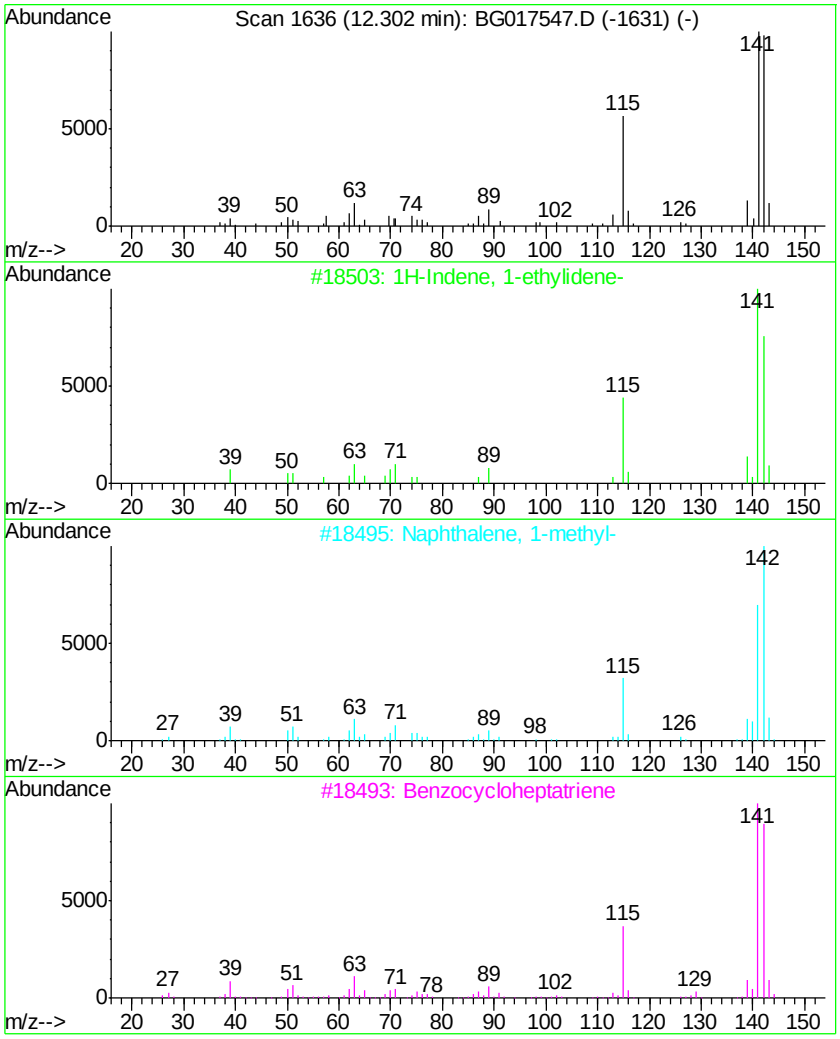
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

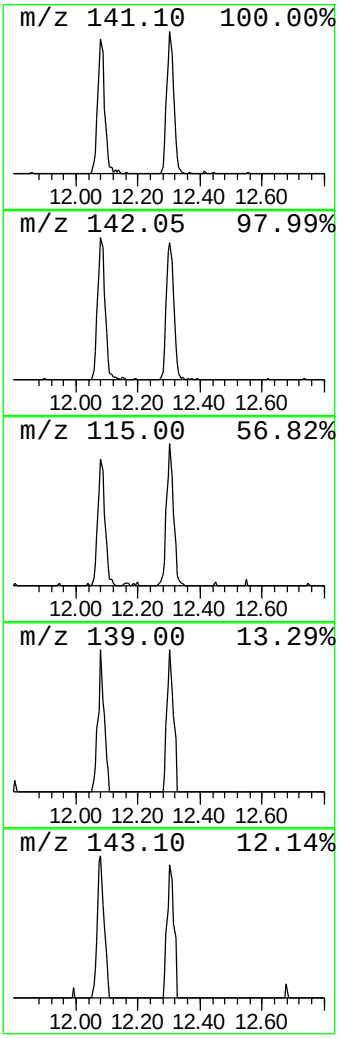
****

Peak Number 3 1H-Indene, 1-ethylidene- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	9.67 ng	100078	Naphthalene-d8	10.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	94
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
3	Benzocycloheptatriene	142	C11H10	000264-09-5	91
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017547.D
Acq On : 8 Jun 2015 17:29
Operator : TP/IZ
Sample : G2555-06 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUSO-006

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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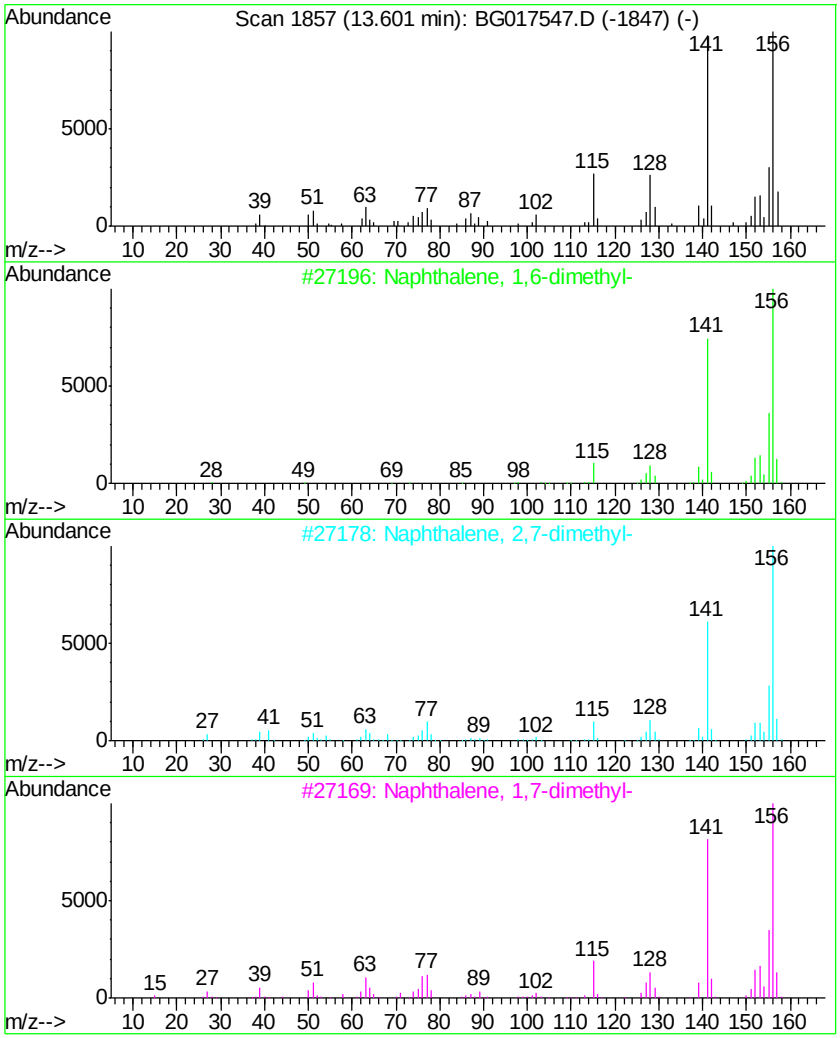
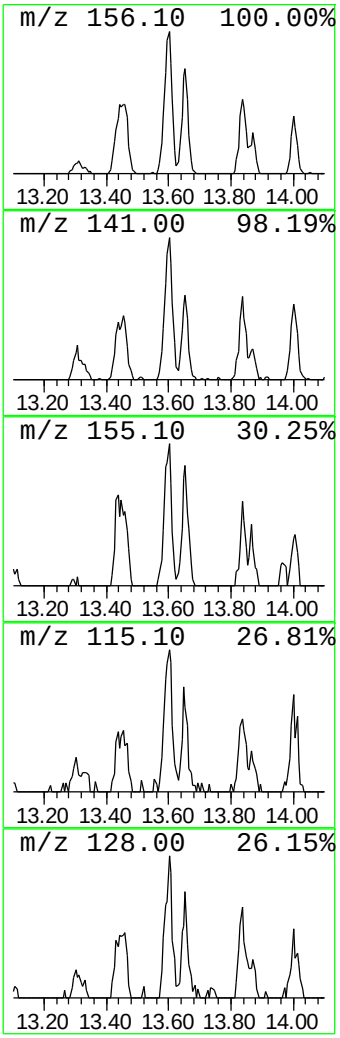
Peak Number 4 Naphthalene, 1,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.60	7.55 ng	117207	Acenaphthene-d10	14.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	93
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	93
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	93





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017547.D
Acq On : 8 Jun 2015 17:29
Operator : TP/IZ
Sample : G2555-06 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUSO-006

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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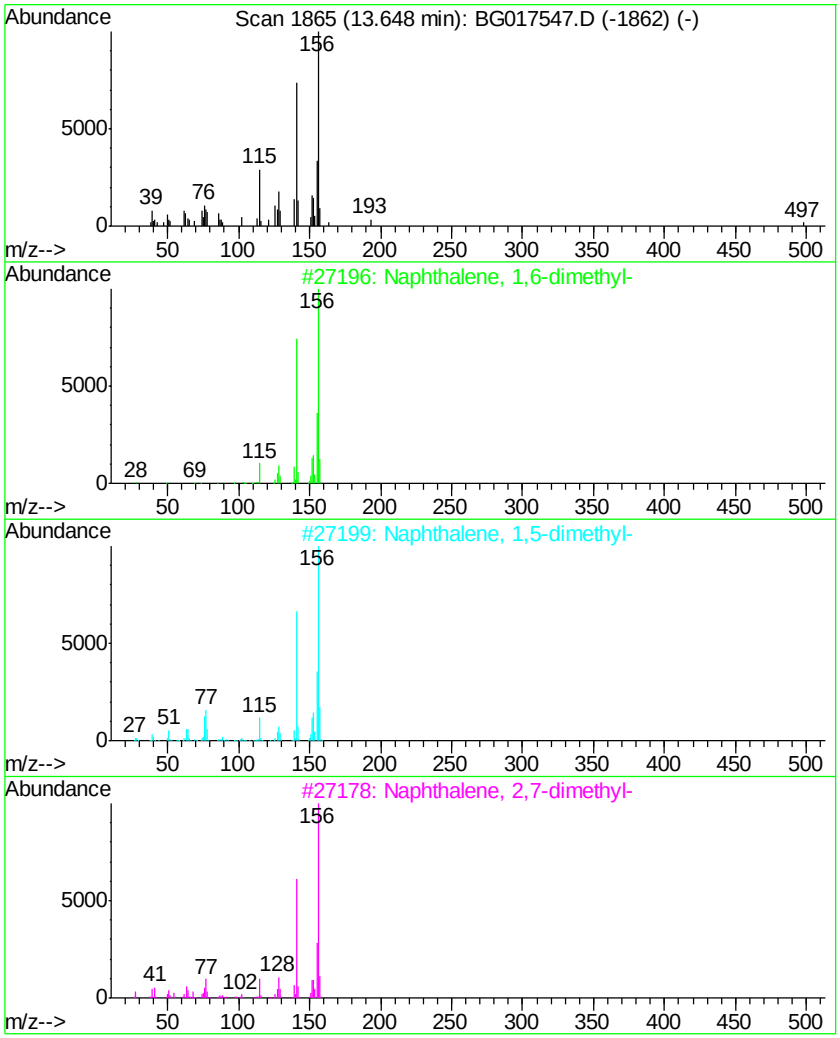
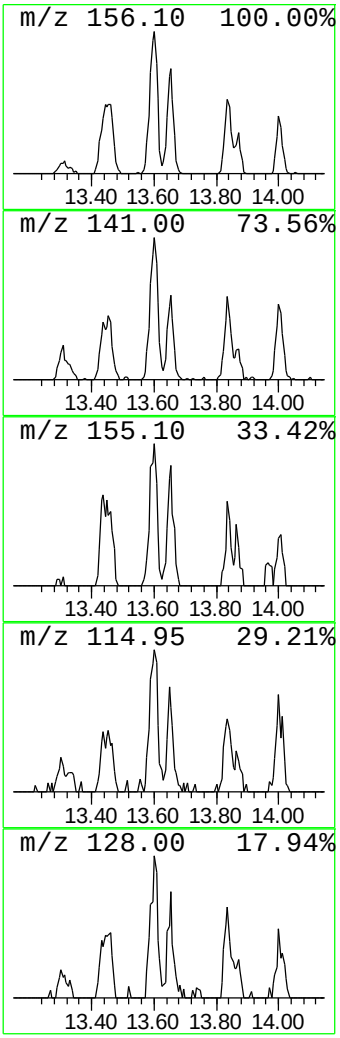
Peak Number 5 Naphthalene, 1,5-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	3.57 ng	55471	Acenaphthene-d10	14.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	94
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	93
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	91
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017547.D
Acq On : 8 Jun 2015 17:29
Operator : TP/IZ
Sample : G2555-06 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUSO-006

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

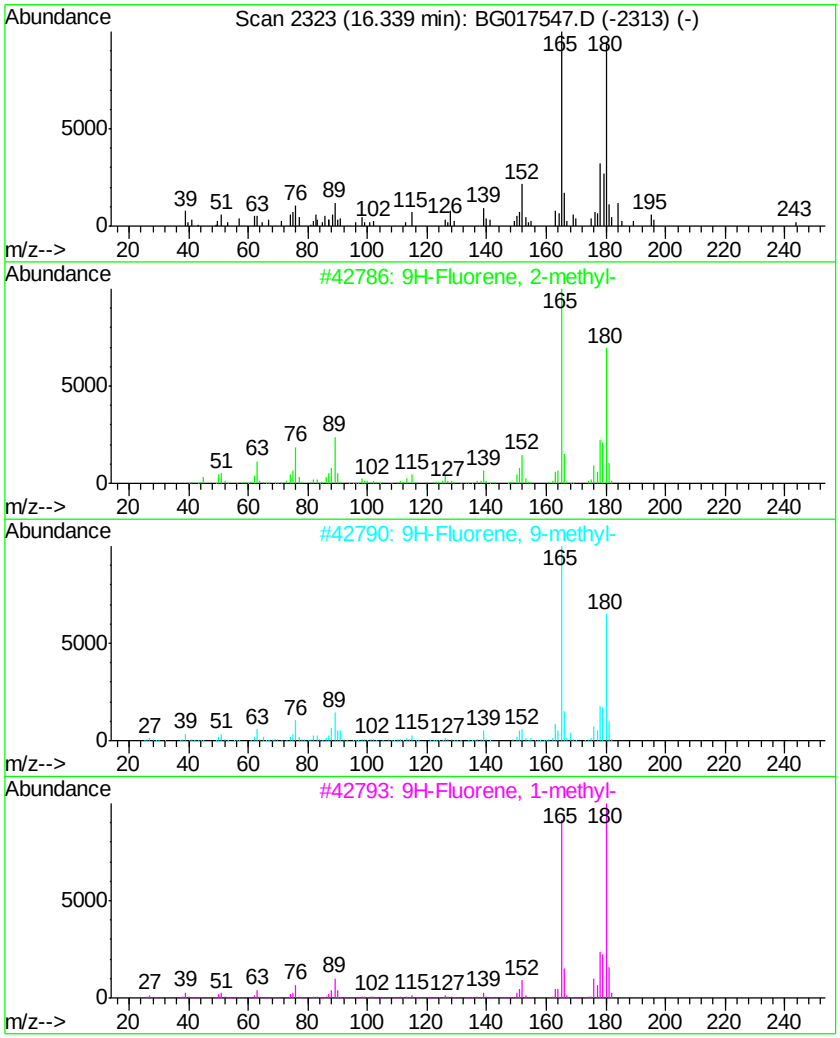
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

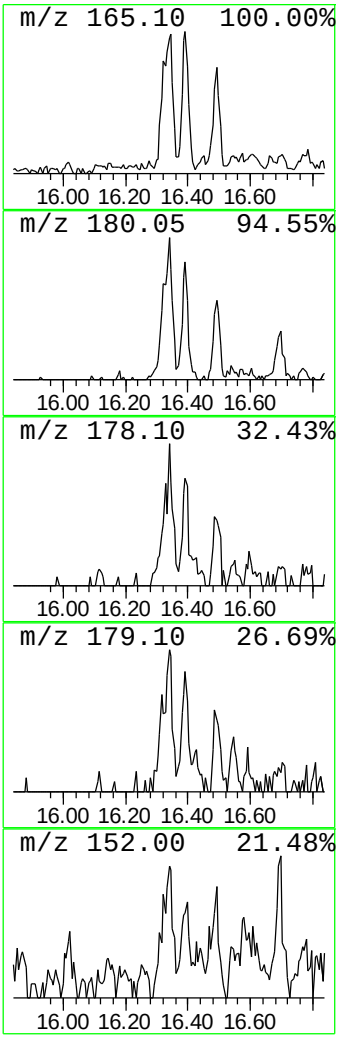
****

Peak Number 6 9H-Fluorene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.34	6.30 ng	100144	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	94
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	94
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	92
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	86
5	3H-Benz[e]indene, 2-methyl-	180	C14H12	150096-60-9	81





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Data File : BG017547.D
Acq On : 8 Jun 2015 17:29
Operator : TP/IZ
Sample : G2555-06 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUSO-006

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

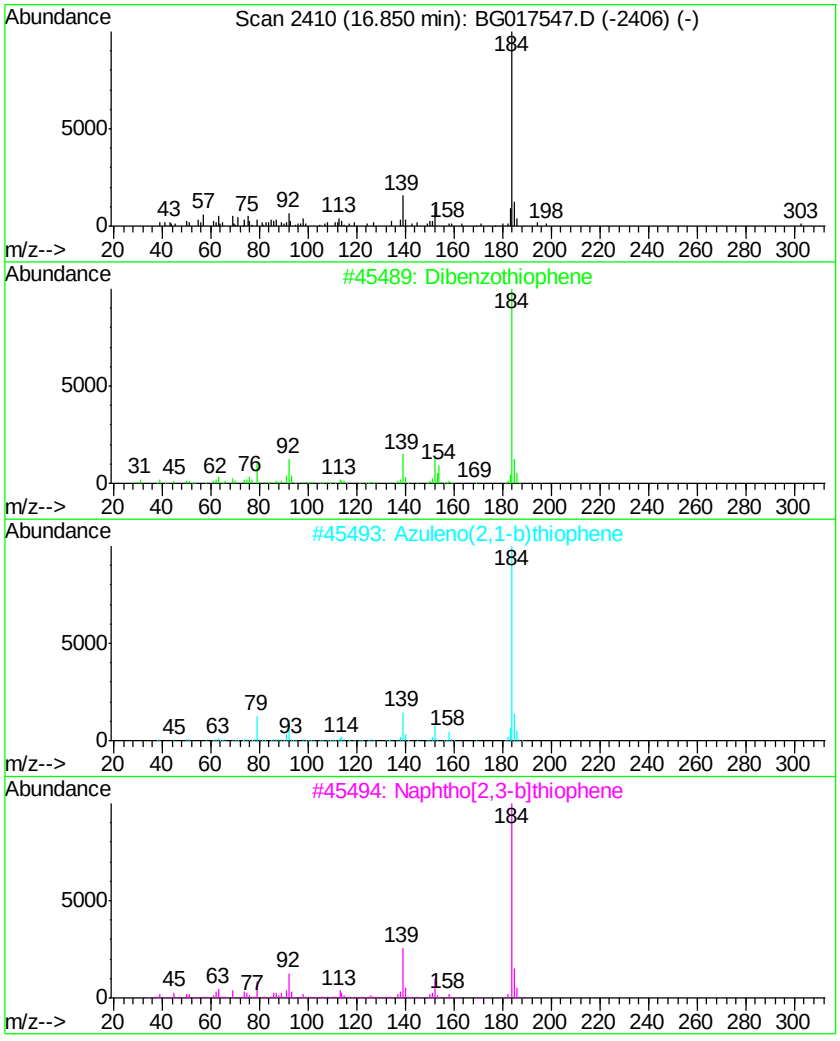
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

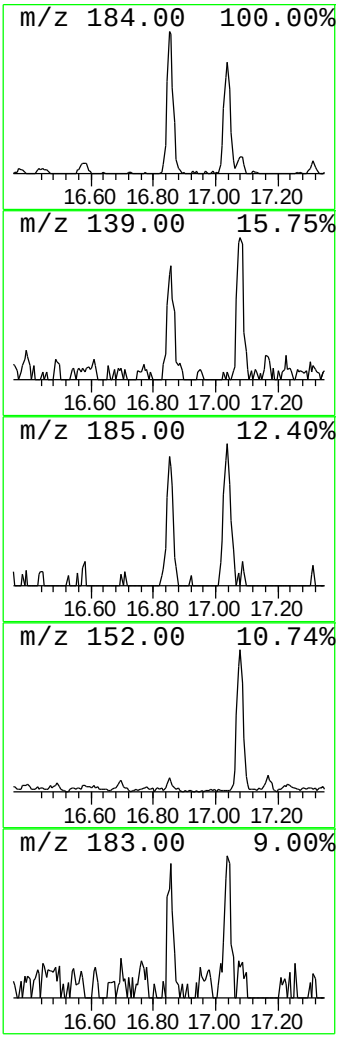
****

Peak Number 7 Dibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.85	4.68 ng	74493	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	91
2	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	86
4	1,1'-Biphenyl, 3-methoxy-	184	C13H12O	002113-56-6	64
5	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	64





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Acq On : 8 Jun 2015 17:29
Operator : TP/IZ
Sample : G2555-06 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUSO-006

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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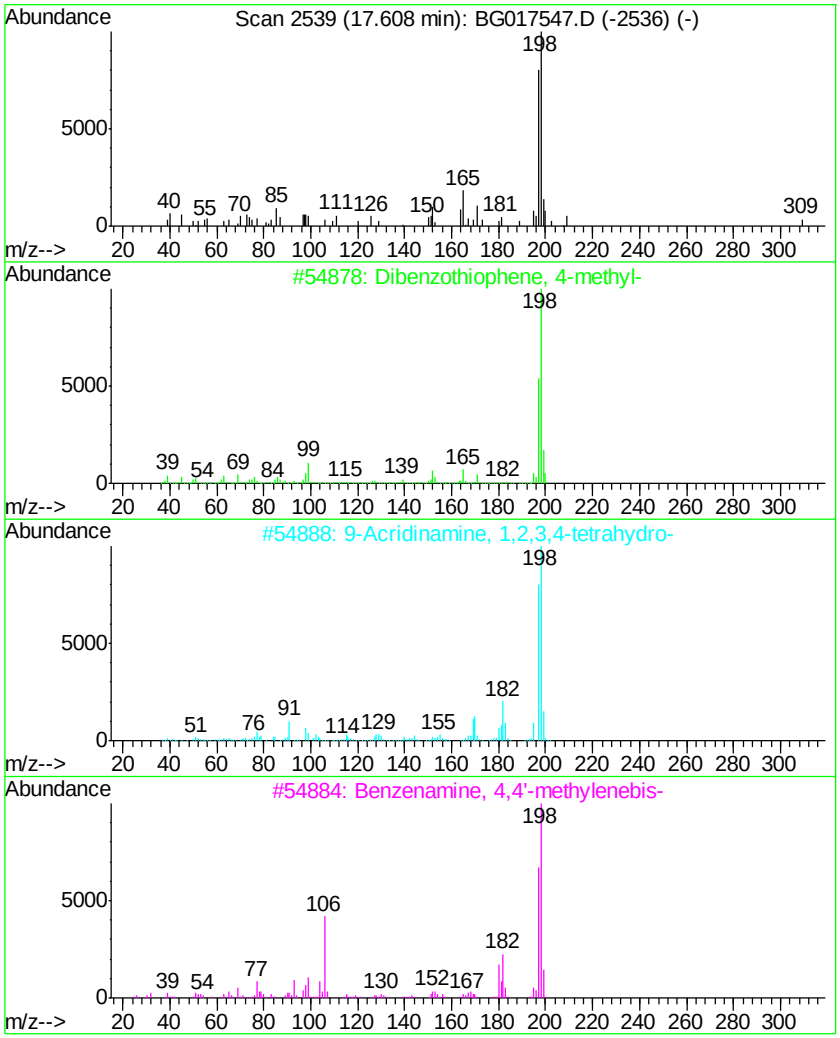
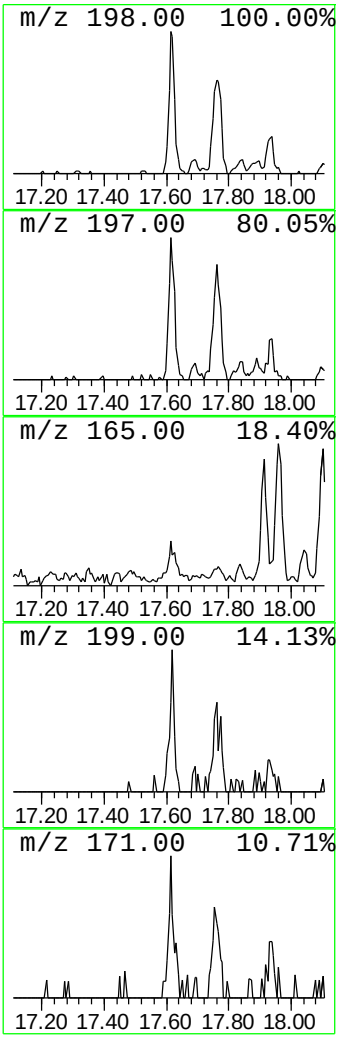
Peak Number 8 Dibenzothiophene, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.61	4.42 ng	70239	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	83
2	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	58
3	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	53
4	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	53
5	Benzeneacetonitrile, 4-(1,2,3,6-...	198	C13H14N2	1000115-51-2	53





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Acq On : 8 Jun 2015 17:29
Operator : TP/IZ
Sample : G2555-06 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUSO-006

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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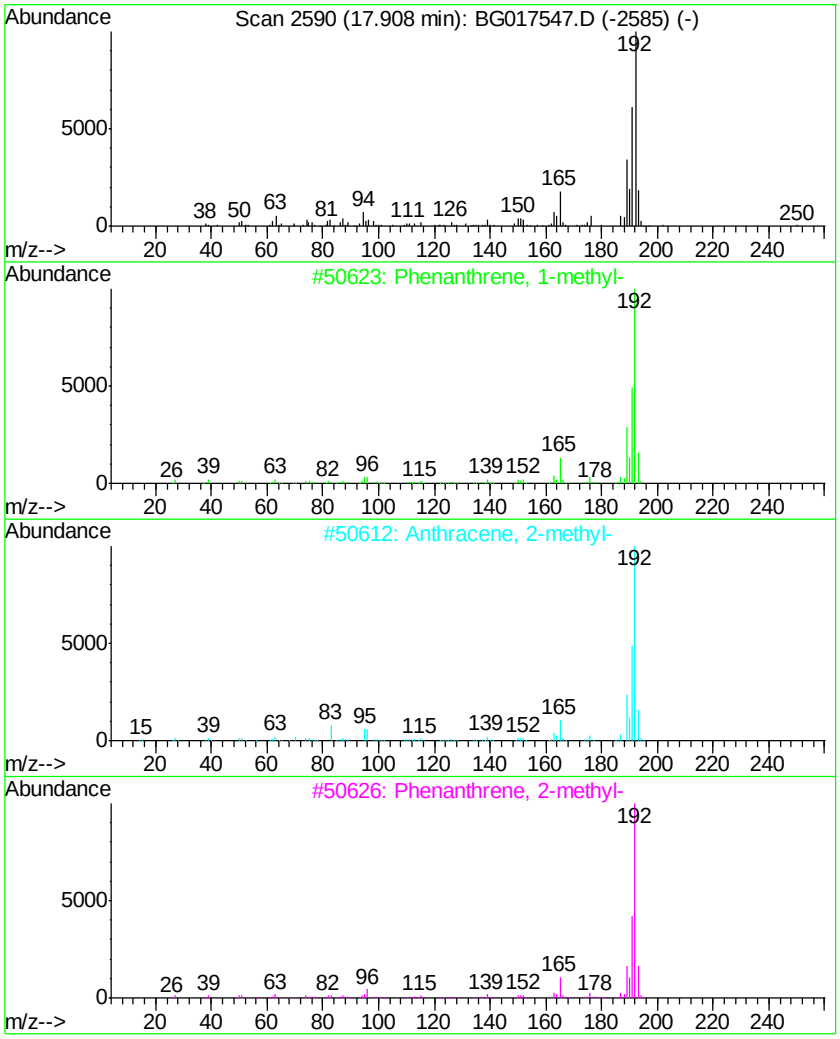
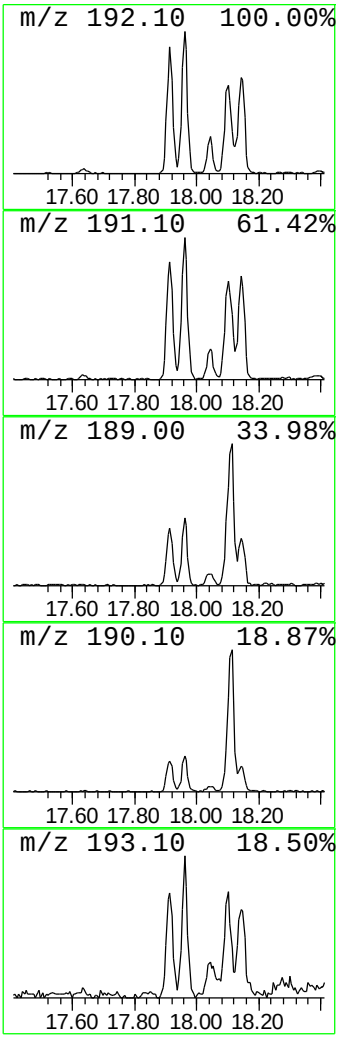
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.91	13.02 ng	207093	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





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Data File : BG017547.D
Acq On : 8 Jun 2015 17:29
Operator : TP/IZ
Sample : G2555-06 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUSO-006

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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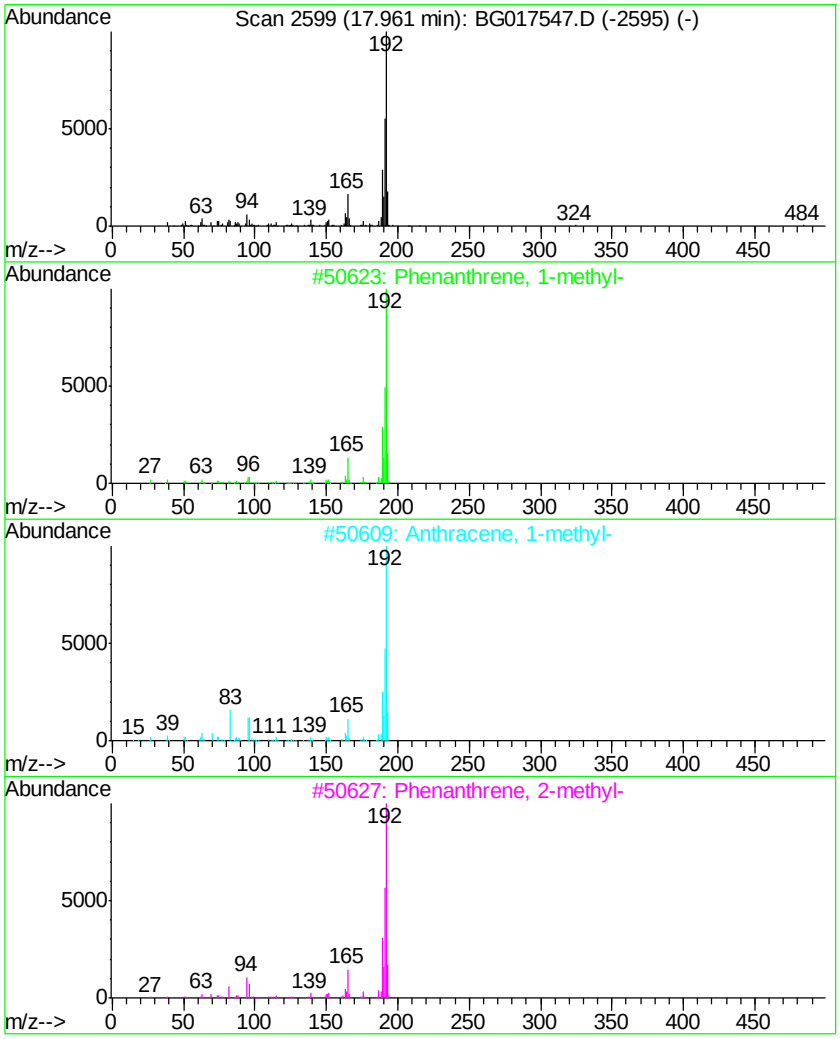
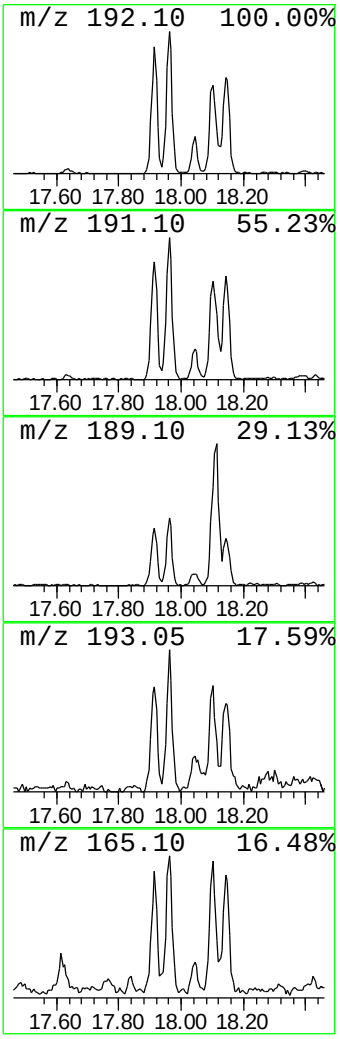
Peak Number 10 Anthracene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.96	14.93 ng	237498	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90





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Acq On : 8 Jun 2015 17:29
Operator : TP/IZ
Sample : G2555-06 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUSO-006

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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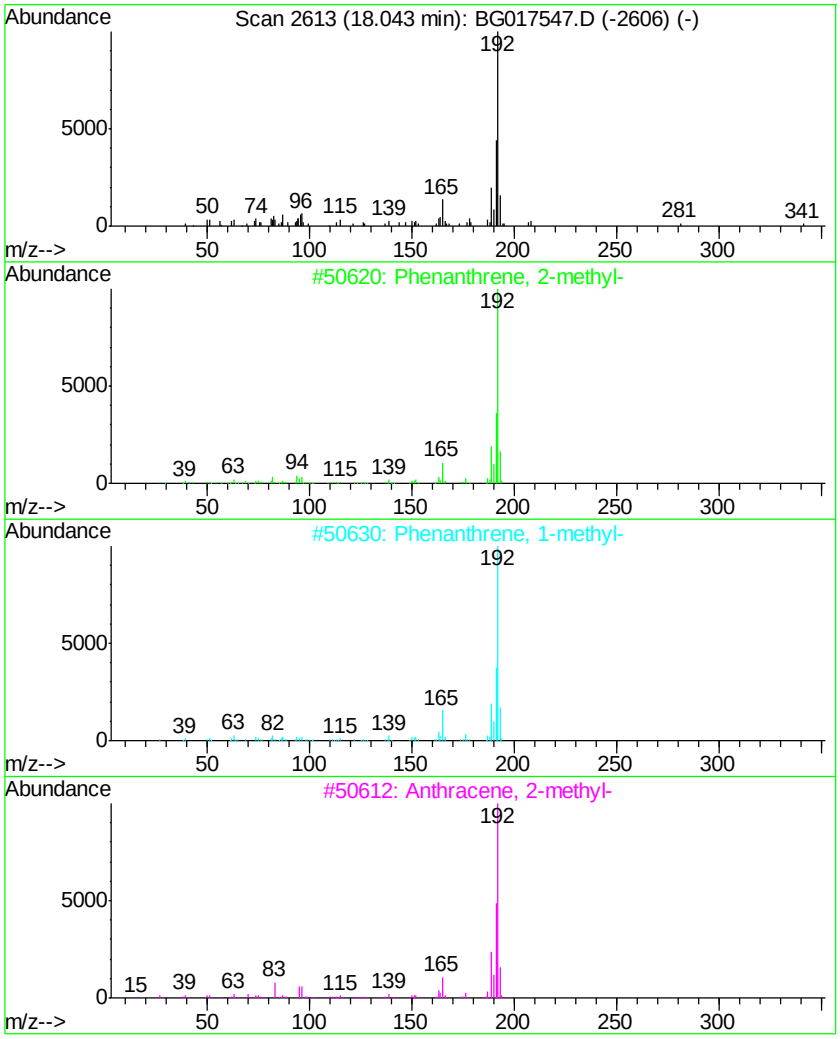
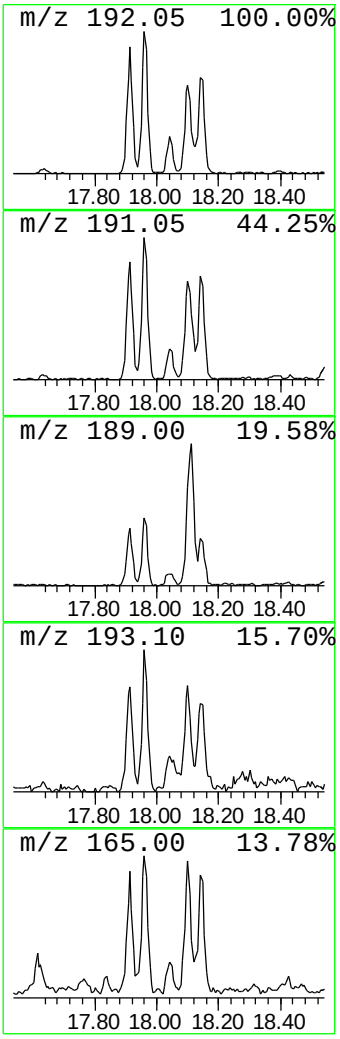
Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	4.11 ng	65320	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





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Acq On : 8 Jun 2015 17:29
Operator : TP/IZ
Sample : G2555-06 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUSO-006

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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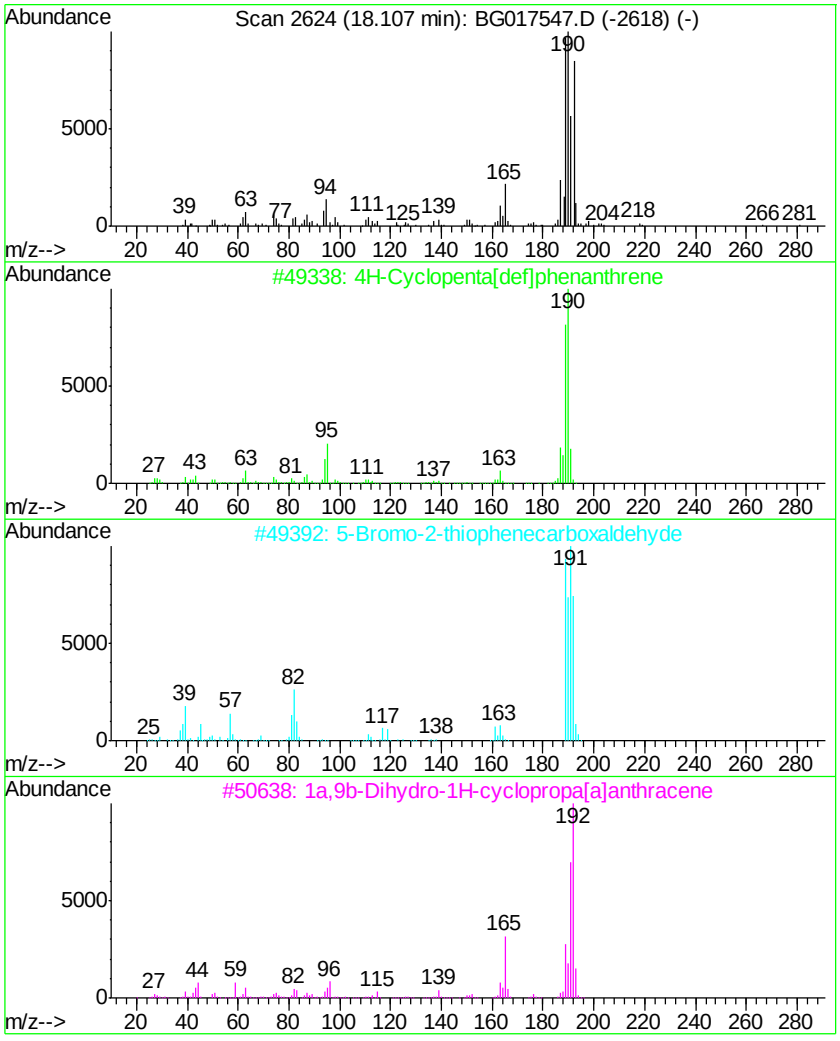
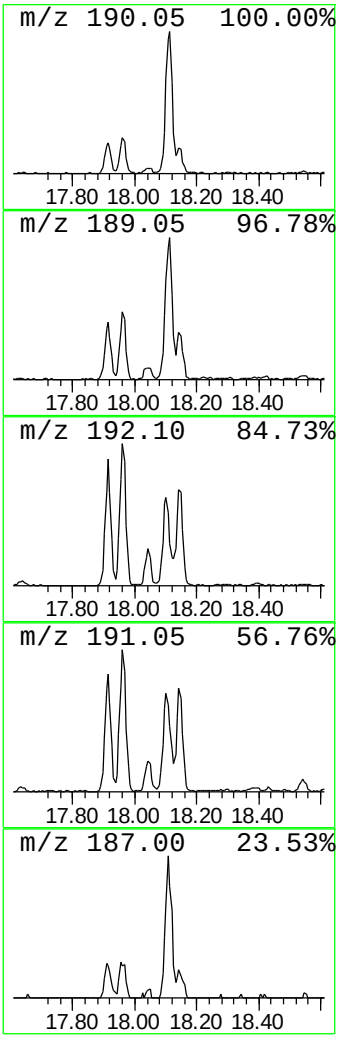
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	19.52 ng	310469	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	5-Bromo-2-thiophenecarboxaldehyde	190	C5H3BrOS	004701-17-1	52
3	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	42
4	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	38
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	38





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Acq On : 8 Jun 2015 17:29
Operator : TP/IZ
Sample : G2555-06 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUSO-006

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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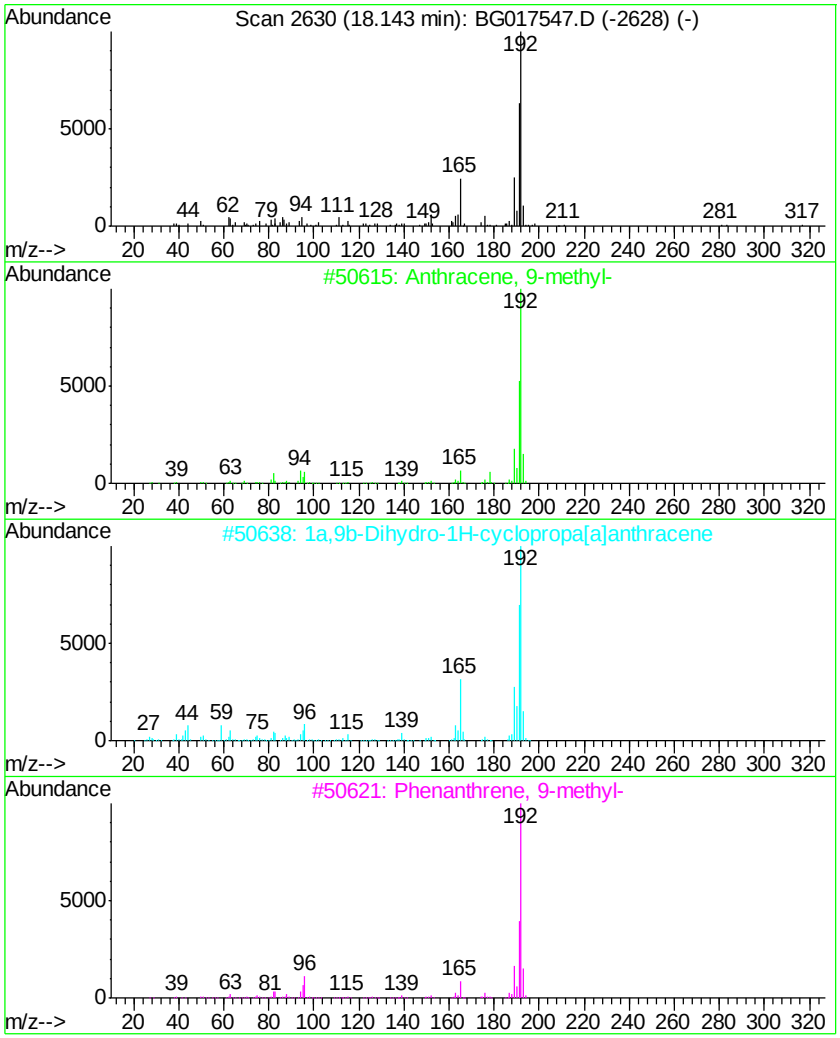
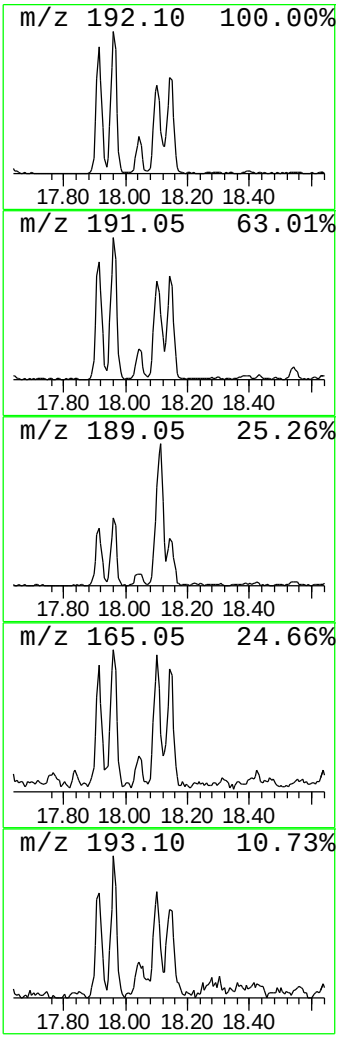
Peak Number 13 Anthracene, 9-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	9.51 ng	151214	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
2	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	74
3	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	64
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	64
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	64





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Acq On : 8 Jun 2015 17:29
Operator : TP/IZ
Sample : G2555-06 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUSO-006

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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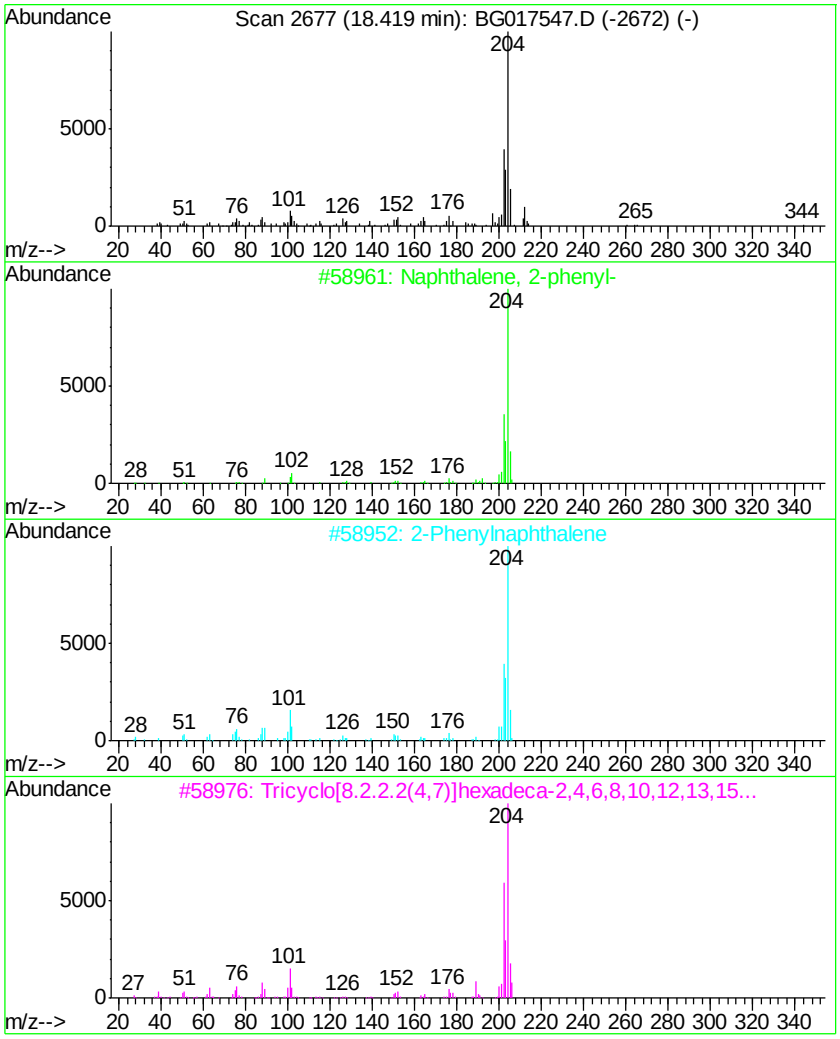
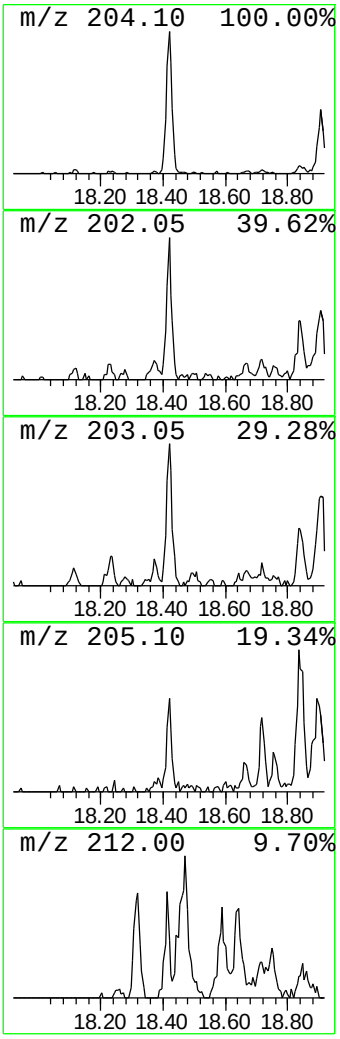
Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	6.04 ng	96081	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
2	2-Phenylnaphthalene	204	C16H12	035465-71-5	64
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	49





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Acq On : 8 Jun 2015 17:29
Operator : TP/IZ
Sample : G2555-06 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUSO-006

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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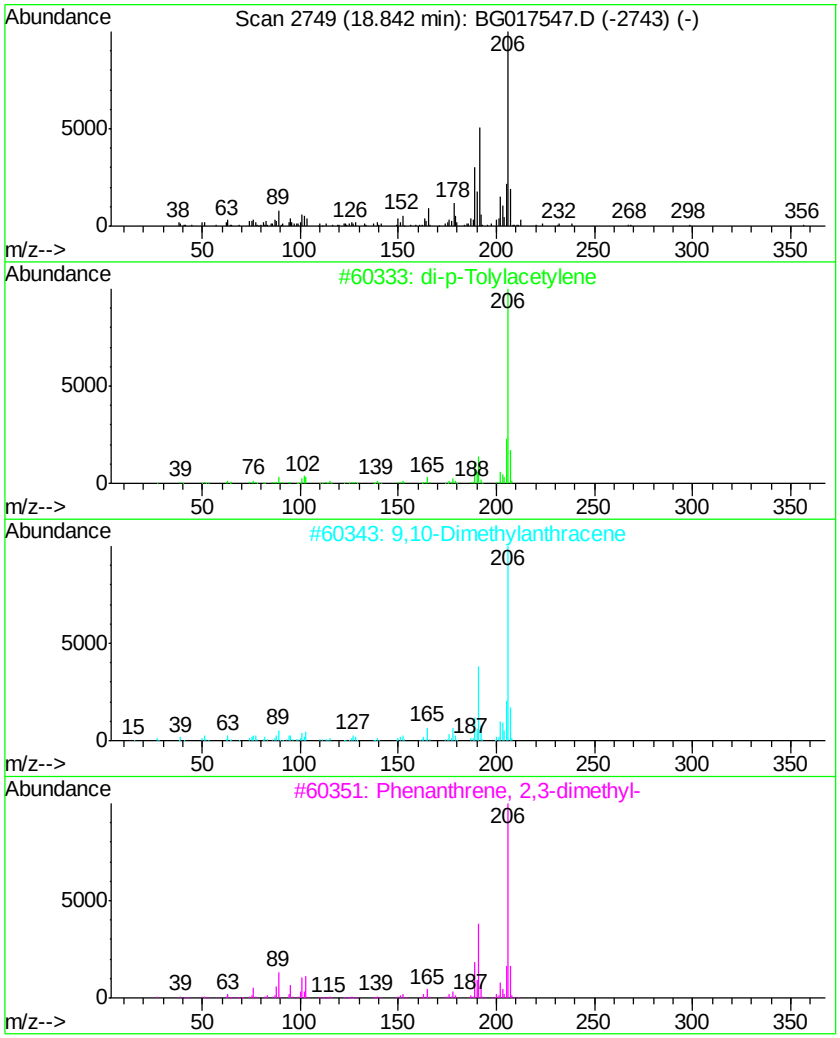
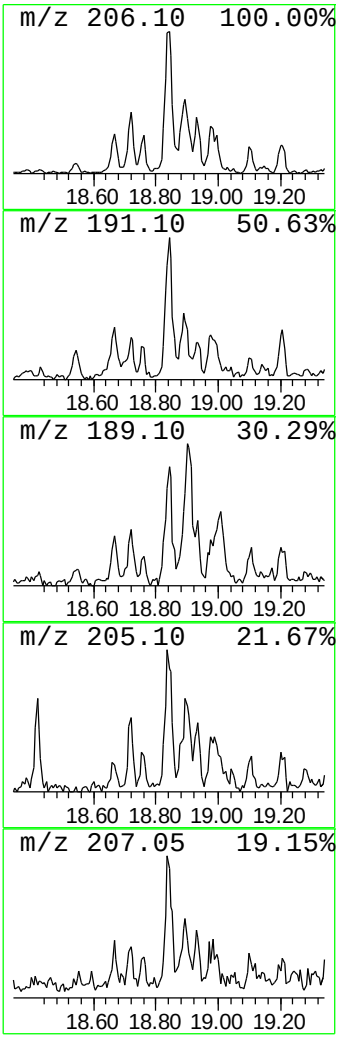
Peak Number 15 di-p-Tolylacetylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.84	10.43 ng	165812	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87





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Acq On : 8 Jun 2015 17:29
Operator : TP/IZ
Sample : G2555-06 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUSO-006

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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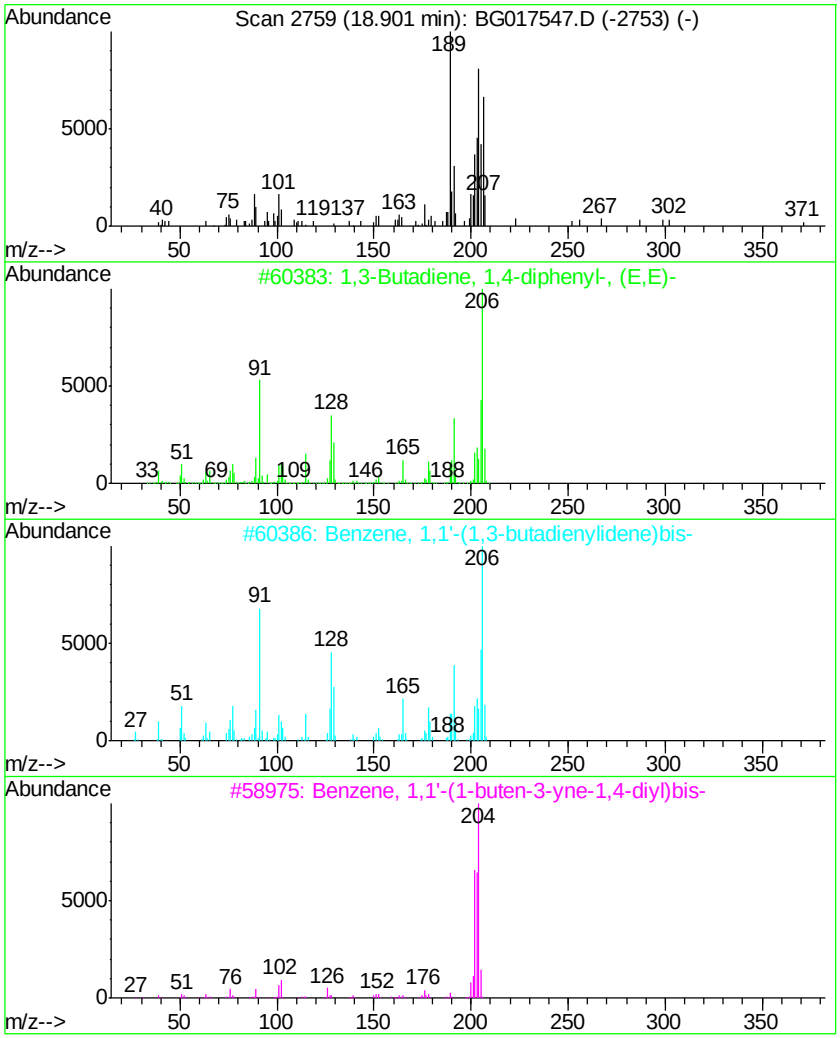
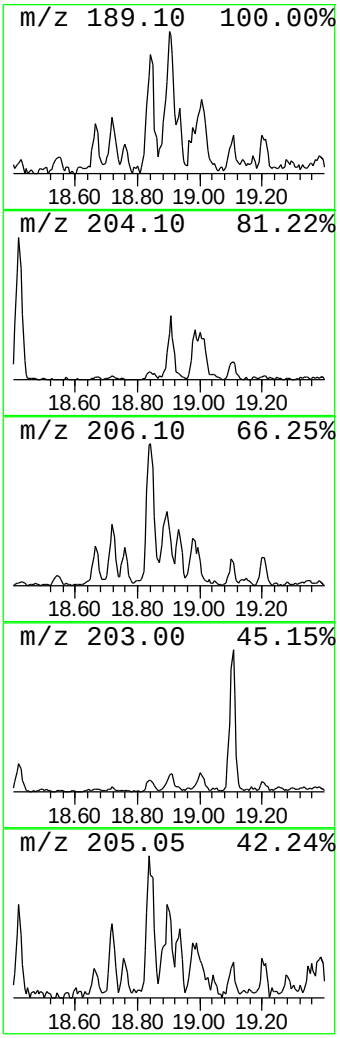
Peak Number 16 unknown18.90 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	4.78 ng	76003	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	38
2	Benzene, 1,1'-(1,3-butadienylide...	206	C16H14	004165-81-5	35
3	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	30
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	30
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	27





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Operator : TP/IZ
Sample : G2555-06 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUSO-006

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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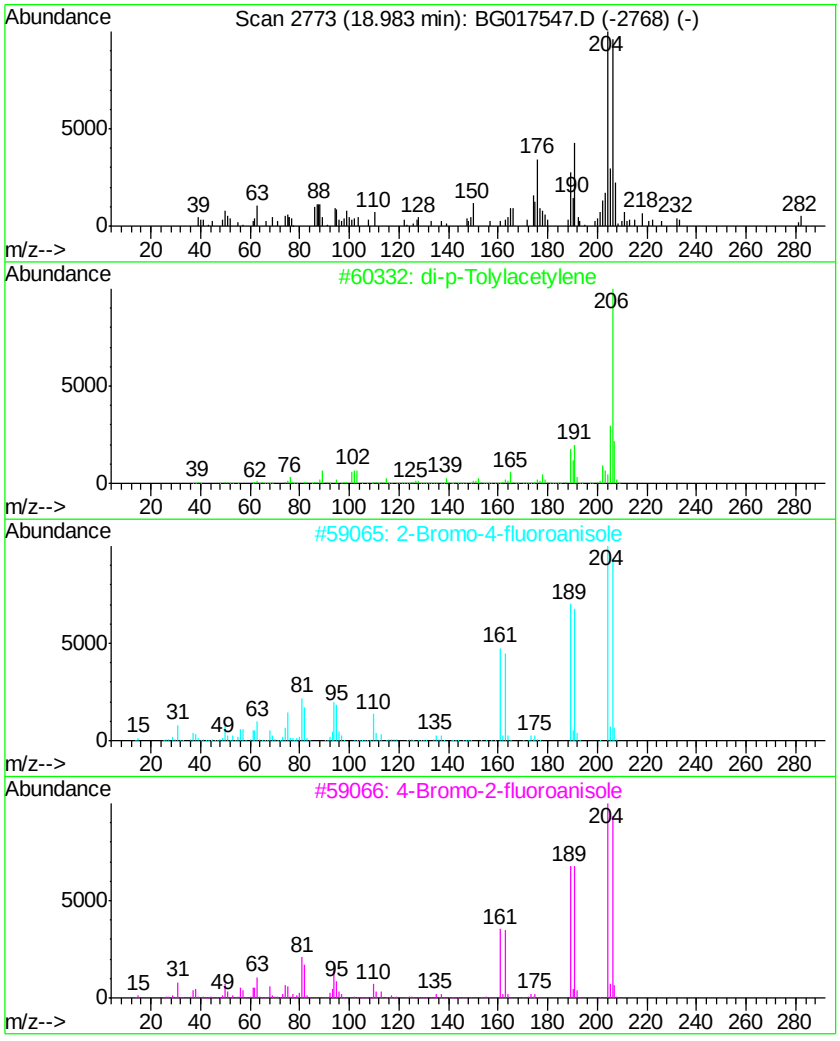
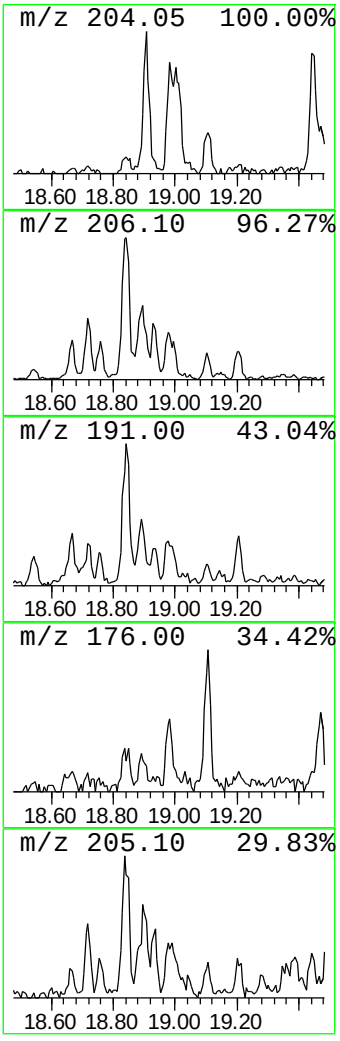
Peak Number 17 2-Bromo-4-fluoroanisole Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.98	4.63 ng	73670	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	89
2	2-Bromo-4-fluoroanisole	204	C7H6BrFO	000452-08-4	64
3	4-Bromo-2-fluoroanisole	204	C7H6BrFO	002357-52-0	64
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	49
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	46





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017547.D
Acq On : 8 Jun 2015 17:29
Operator : TP/IZ
Sample : G2555-06 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUSO-006

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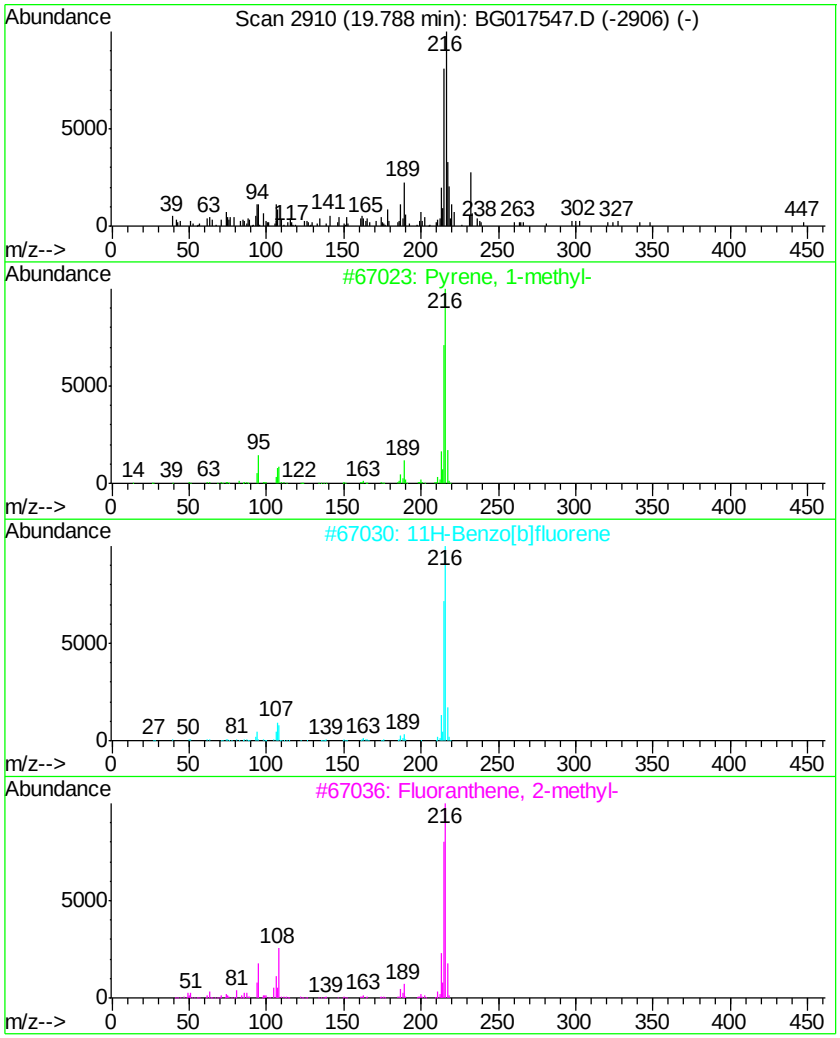
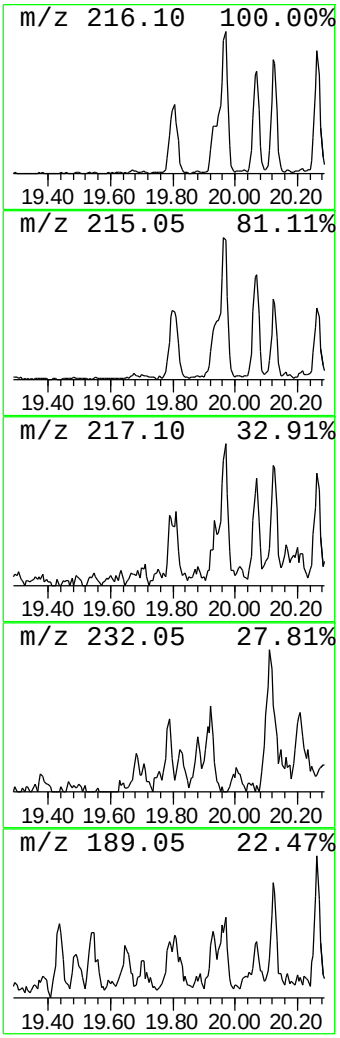
Peak Number 18 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.79	4.38 ng	156284	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017547.D
Acq On : 8 Jun 2015 17:29
Operator : TP/IZ
Sample : G2555-06 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUSO-006

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

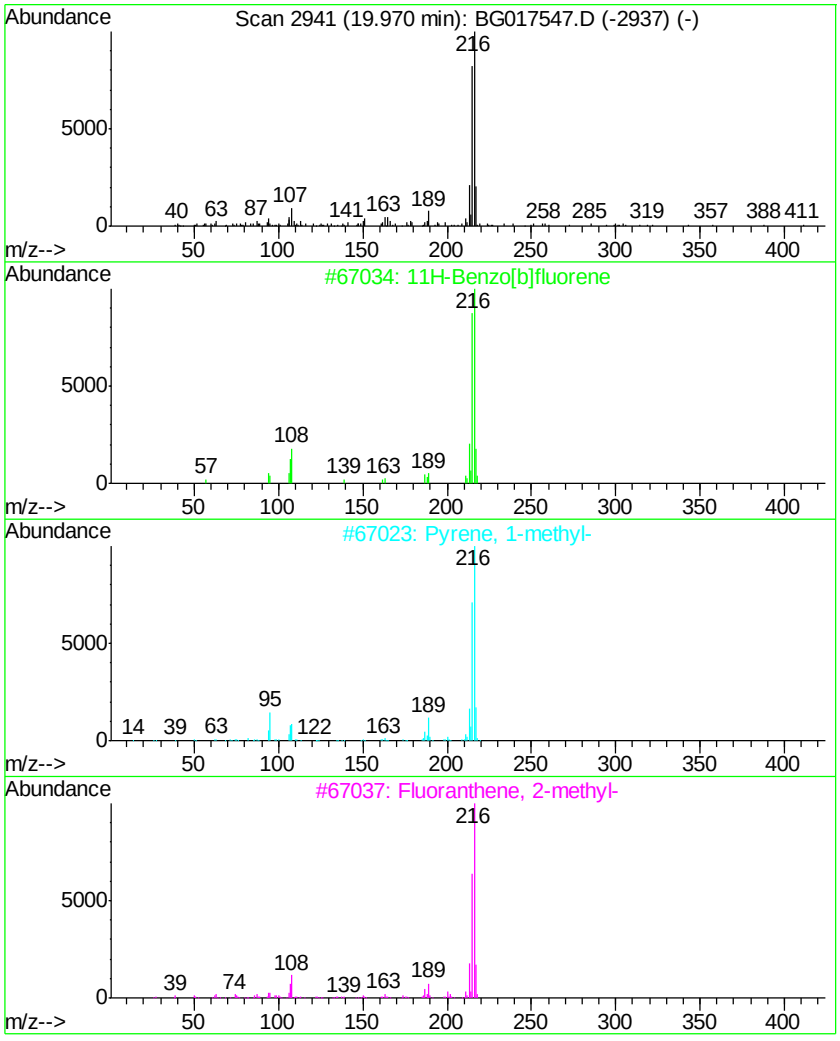
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

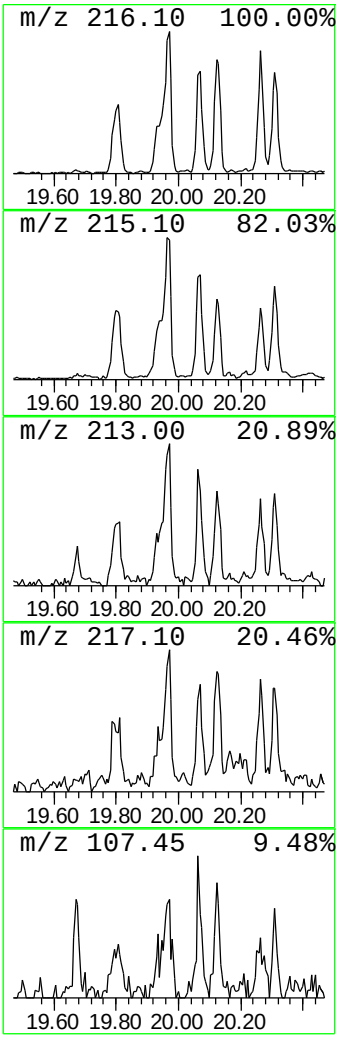
****

Peak Number 19 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.97	4.62 ng	164865	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	52





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017547.D
Acq On : 8 Jun 2015 17:29
Operator : TP/IZ
Sample : G2555-06 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUSO-006

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
unknown7.15	7.15	27.1	ng	202758	1	7.61	149545	20.0
1H-Indene, 1-ethy...	12.30	9.7	ng	100078	2	10.40	207019	20.0
Naphthalene, 1,6-...	13.60	7.5	ng	117207	3	14.28	310468	20.0
Naphthalene, 1,5-...	13.65	3.6	ng	55471	3	14.28	310468	20.0
9H-Fluorene, 2-me...	16.34	6.3	ng	100144	4	17.04	318087	20.0
Dibenzothiophene	16.85	4.7	ng	74493	4	17.04	318087	20.0
Dibenzothiophene,...	17.61	4.4	ng	70239	4	17.04	318087	20.0
Phenanthrene, 1-m...	17.91	13.0	ng	207093	4	17.04	318087	20.0
Anthracene, 1-met...	17.96	14.9	ng	237498	4	17.04	318087	20.0
Phenanthrene, 2-m...	18.04	4.1	ng	65320	4	17.04	318087	20.0
4H-Cyclopenta[def...	18.11	19.5	ng	310469	4	17.04	318087	20.0
Anthracene, 9-met...	18.14	9.5	ng	151214	4	17.04	318087	20.0
Naphthalene, 2-ph...	18.42	6.0	ng	96081	4	17.04	318087	20.0
di-p-Tolylacetylene	18.84	10.4	ng	165812	4	17.04	318087	20.0
unknown18.90	18.90	4.8	ng	76003	4	17.04	318087	20.0
2-Bromo-4-fluoroa...	18.98	4.6	ng	73670	4	17.04	318087	20.0
Pyrene, 1-methyl-	19.79	4.4	ng	156284	5	21.23	713519	20.0
11H-Benzo[b]fluorene	19.97	4.6	ng	164865	5	21.23	713519	20.0