LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017545.D
Acq On : 8 Jun 2015 16:19
Operator : TP/IZ
Sample : G2464-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-14DS

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	2.746	6	10	16	rBV2	67030	96303	5.45%	0.547%
2	4.708	339	344	351	rVB	41114	60828	3.45%	0.345%
3	5.207	422	429	437	rBV	555630	802795	45.47%	4.556%
4	6.823	697	704	716	rBV	577729	891264	50.48%	5.058%
5	7.152	753	760	769	rBV	581469	897530	50.84%	5.093%
6	7.605	831	837	847	rVB	99599	161684	9.16%	0.918%
7	7.928	884	892	898	rBV	414827	635471	35.99%	3.606%
8	8.774	1028	1036	1043	rBV	341669	559806	31.71%	3.177%
9	10.407	1306	1314	1318	rBV	127079	214351	12.14%	1.216%
10	10.454	1318	1322	1330	rVB	60320	96063	5.44%	0.545%
11	12.082	1592	1599	1605	rVB2	35379	54785	3.10%	0.311%
12	12.299	1630	1636	1644	rVB2	32249	55760	3.16%	0.316%
13	12.898	1730	1738	1745	rBV	782139	1131551	64.09%	6.422%
14	13.104	1769	1773	1778	rVB2	16653	23945	1.36%	0.136%
15	13.457	1823	1833	1838	rBV5	19565	49774	2.82%	0.282%
16	13.598	1852	1857	1862	rBV3	29779	50190	2.84%	0.285%
17	13.656	1862	1867	1871	rVB2	19234	28225	1.60%	0.160%
18	13.739	1876	1881	1890	rVB	100393	143023	8.10%	0.812%
19	13.839	1890	1898	1901	rBV4	13631	22164	1.26%	0.126%
20	14.003	1918	1926	1934	rBV	31850	51979	2.94%	0.295%
21	14.279	1965	1973	1980	rBV2	187968	306286	17.35%	1.738%
22	14.344	1980	1984	1987	rBV2	18679	23308	1.32%	0.132%
23	14.685	2036	2042	2048	rBV2	56484	84993	4.81%	0.482%
24	14.761	2050	2055	2059	rVB2	13845	21050	1.19%	0.119%
25	14.902	2073	2079	2084	rVB5	10582	21135	1.20%	0.120%
26	14.961	2084	2089	2096	rVB3	11851	18009	1.02%	0.102%
27	15.078	2100	2109	2112	rBV7	12385	24765	1.40%	0.141%
28	15.143	2117	2120	2129	rVB5	14669	27338	1.55%	0.155%
29	15.337	2146	2153	2160	rBV	96701	150959	8.55%	0.857%
30	15.631	2198	2203	2210	rVB	33581	49133	2.78%	0.279%
31	15.783	2223	2229	2238	rVB	828588	1147758	65.01%	6.514%
32	16.007	2263	2267	2274	rBV6	19108	38362	2.17%	0.218%
33	16.341	2314	2324	2329	rBV3	30565	67891	3.85%	0.385%
34	16.394	2329	2333	2337	rVB2	13562	20745	1.17%	0.118%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017545.D
Acq On : 8 Jun 2015 16:19
Operator : TP/IZ
Sample : G2464-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-14DS

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	16.494	2345	2350	2357	rVB	15698	25865	1.46%	0.147%
36	16.571	2357	2363	2366	rBV3	23027	32441	1.84%	0.184%
37	16.612	2366	2370	2373	rVB4	14765	18678	1.06%	0.106%
38	16.694	2380	2384	2390	rVB8	15259	24362	1.38%	0.138%
39	16.765	2390	2396	2400	rBV2	18496	37789	2.14%	0.214%
40	16.853	2407	2411	2422	rVB2	44745	75932	4.30%	0.431%
41	17.035	2436	2442	2445	rBV2	243018	333915	18.91%	1.895%
42	17.082	2445	2450	2455	rVV	503981	703197	39.83%	3.991%
43	17.170	2455	2465	2470	rVV	151644	221878	12.57%	1.259%
44	17.229	2470	2475	2480	rVB6	14353	27095	1.53%	0.154%
45	17.540	2524	2528	2530	rBV4	13035	18355	1.04%	0.104%
46	17.910	2583	2591	2594	rBV	70885	103810	5.88%	0.589%
47	17.957	2594	2599	2605	rVB	102684	185498	10.51%	1.053%
48	18.040	2607	2613	2619	rVV2	56915	80246	4.55%	0.455%
49	18.110	2619	2625	2628	rBV2	104916	184330	10.44%	1.046%
50	18.145	2628	2631	2634	rVB	42292	53643	3.04%	0.304%
51	18.233	2640	2646	2649	rBV7	14222	21637	1.23%	0.123%
52	18.416	2674	2677	2682	rVB	53531	68131	3.86%	0.387%
53	18.662	2712	2719	2725	rBV3	48125	67856	3.84%	0.385%
54	18.715	2725	2728	2731	rVB	17831	22172	1.26%	0.126%
55	18.756	2731	2735	2739	rBV3	15996	19433	1.10%	0.110%
56	18.839	2743	2749	2752	rBV2	34022	56803	3.22%	0.322%
57	19.103	2787	2794	2800	rBV	496357	680015	38.52%	3.859%
58	19.162	2800	2804	2808	rVV4	48136	68435	3.88%	0.388%
59	19.256	2815	2820	2824	rVB	53213	73044	4.14%	0.415%
60	19.350	2831	2836	2837	rBV2	18341	26026	1.47%	0.148%
61	19.373	2837	2840	2844	rVB2	67592	78883	4.47%	0.448%
62	19.438	2846	2851	2852	rVV	89307	112135	6.35%	0.636%
63	19.467	2852	2856	2865	rVV	407936	580558	32.88%	3.295%
64	19.538	2865	2868	2875	rVB3	35202	61975	3.51%	0.352%
65	19.679	2882	2892	2896	rBV	1410184	1765565	100.00%	10.020%
66	19.796	2906	2912	2919	rBV5	39428	110976	6.29%	0.630%
67	19.890	2924	2928	2930	rVB3	14408	17840	1.01%	0.101%
68	19.931	2930	2935	2937	rBV3	38543	67369	3.82%	0.382%
69	19.967	2937	2941	2948	rVB	120999	168528	9.55%	0.956%
70	20.067	2954	2958	2962	rBV	113213	127141	7.20%	0.722%
71	20.125	2962	2968	2972	rVV3	59265	95683	5.42%	0.543%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017545.D
Acq On : 8 Jun 2015 16:19
Operator : TP/IZ
Sample : G2464-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-14DS

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	20.219	2978	2984	2988	rBV6	30811	64007	3.63%	0.363%
73	20.260	2989	2991	2994	rVV	31775	38070	2.16%	0.216%
74	20.307	2996	2999	3003	rVB4	32647	46083	2.61%	0.262%
75	20.425	3015	3019	3024	rVB3	57666	67487	3.82%	0.383%
76	20.490	3026	3030	3033	rVV6	18045	22000	1.25%	0.125%
77	20.525	3033	3036	3039	rBV5	13395	19527	1.11%	0.111%
78	20.554	3039	3041	3044	rVV4	18140	21951	1.24%	0.125%
79	20.584	3044	3046	3050	rVB3	17970	20132	1.14%	0.114%
80	20.678	3056	3062	3066	rBV6	31744	64797	3.67%	0.368%
81	20.877	3093	3096	3100	rBV	35022	38712	2.19%	0.220%
82	20.918	3100	3103	3105	rVV	41830	48823	2.77%	0.277%
83	20.948	3105	3108	3116	rVB4	69882	92360	5.23%	0.524%
84	21.230	3149	3156	3160	rBV2	425378	823636	46.65%	4.674%
85	21.265	3160	3162	3169	rVB	204829	252996	14.33%	1.436%
86	21.383	3178	3182	3188	rBV2	56902	79574	4.51%	0.452%
87	21.436	3189	3191	3195	rVB3	31342	31908	1.81%	0.181%
88	21.776	3247	3249	3252	rVB	51774	47831	2.71%	0.271%
89	22.793	3416	3422	3427	rBV2	140474	333653	18.90%	1.893%
90	22.969	3448	3452	3457	rVB	52768	94209	5.34%	0.535%
91	23.275	3499	3504	3512	rVB	92163	167512	9.49%	0.951%
92	23.369	3514	3520	3526	rVB	164367	291739	16.52%	1.656%
93	23.468	3531	3537	3543	rBV2	182823	357202	20.23%	2.027%
94	25.736	3918	3923	3931	rVB2	57533	150506	8.52%	0.854%

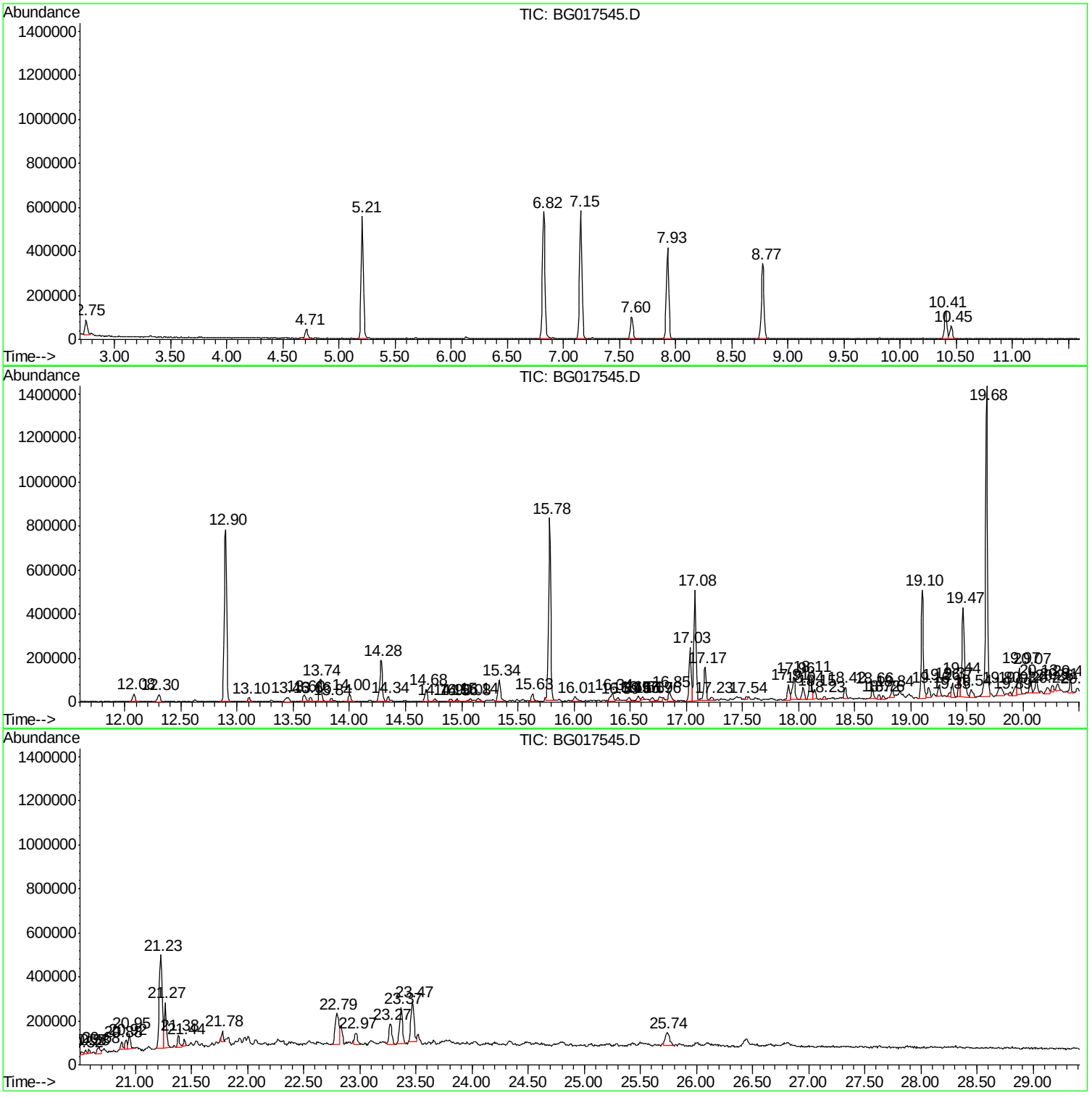
Sum of corrected areas: 17621177

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017545.D
Acq On : 8 Jun 2015 16:19
Operator : TP/IZ
Sample : G2464-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-14DS

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 : BG017545.D
Acq On : 8 Jun 2015 16:19
Operator : TP/IZ
Sample : G2464-15
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Instrument : BNA_G
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

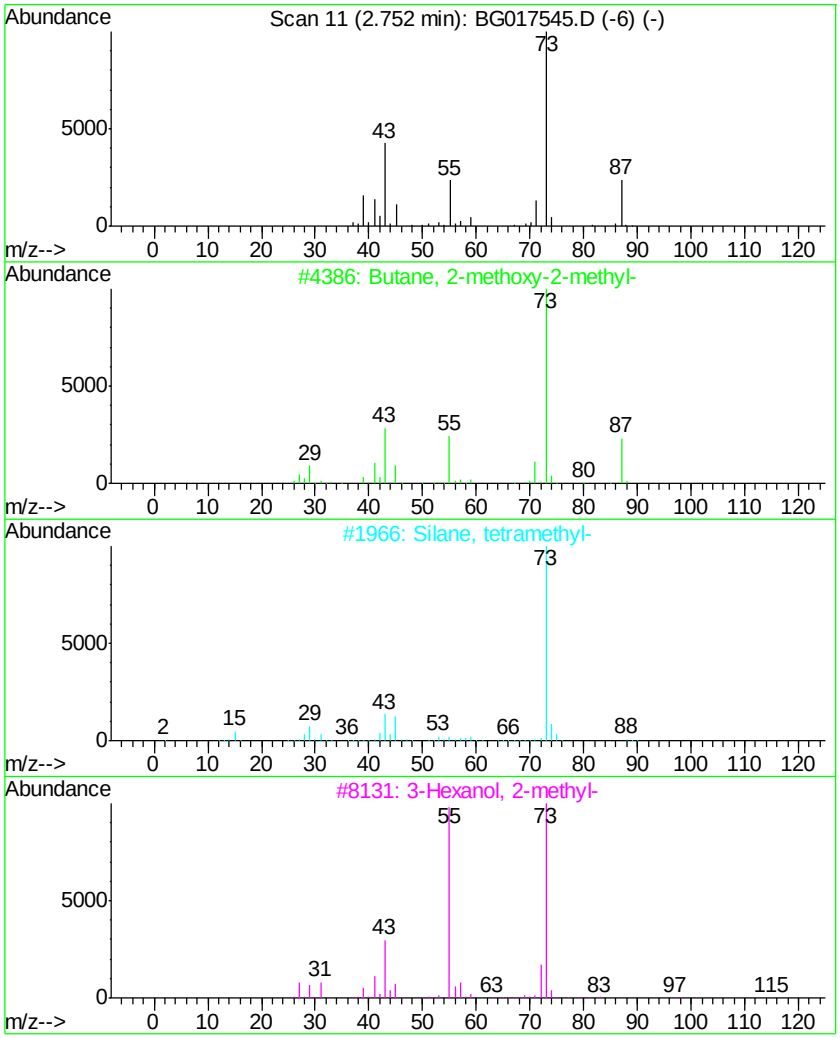
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

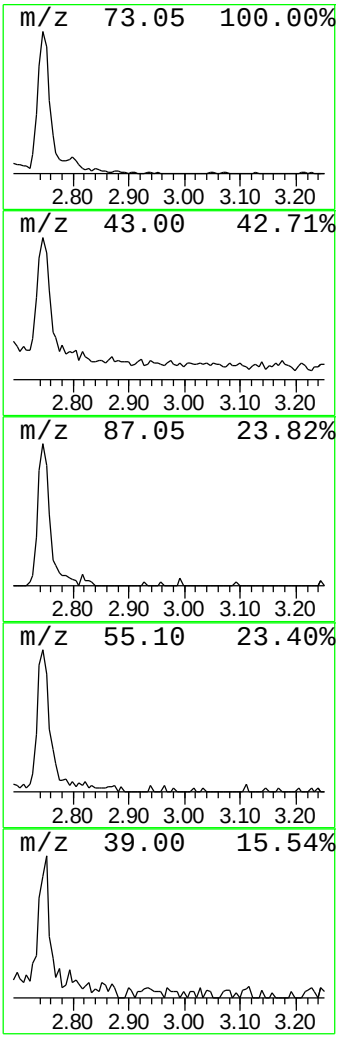
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.75	11.91 ng	96303	1,4-Dichlorobenzene-d4	7.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	56
2	Silane, tetramethyl-	88	C4H12Si	000075-76-3	25
3	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	20
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017545.D
Acq On : 8 Jun 2015 16:19
Operator : TP/IZ
Sample : G2464-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-14DS

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

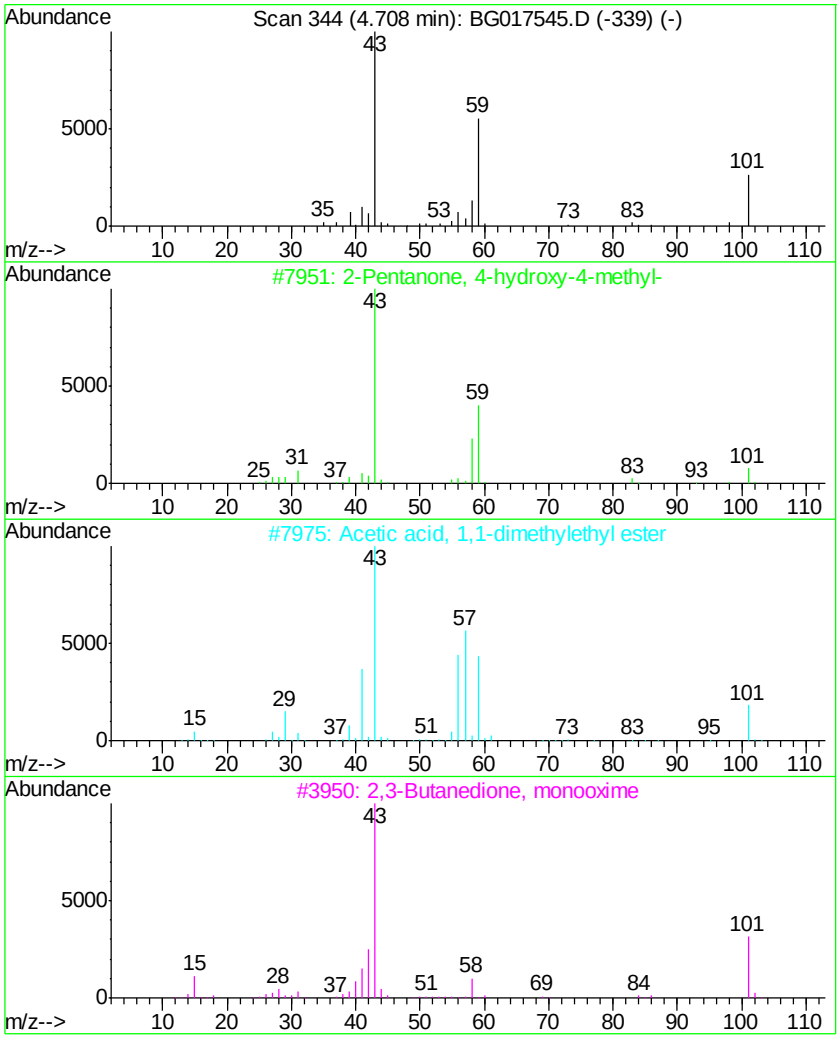
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

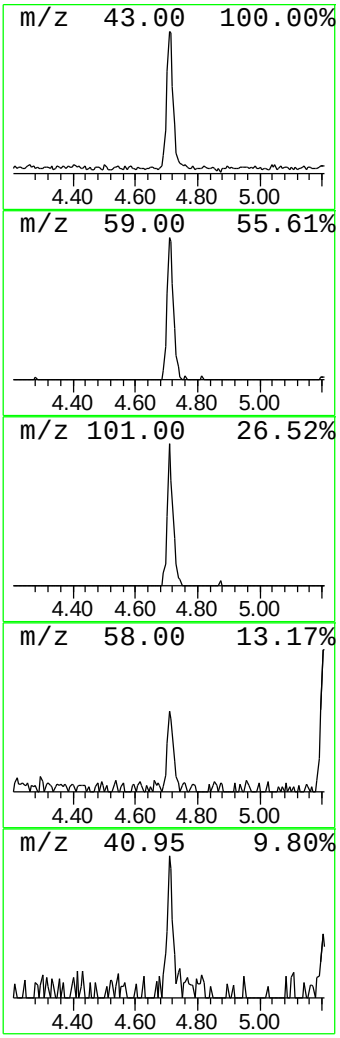
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.71	7.52 ng	60828	1,4-Dichlorobenzene-d4	7.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	35
4	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	9
5	1-Butanol, 3-methoxy-	104	C5H12O2	002517-43-3	9





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017545.D
Acq On : 8 Jun 2015 16:19
Operator : TP/IZ
Sample : G2464-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-14DS

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

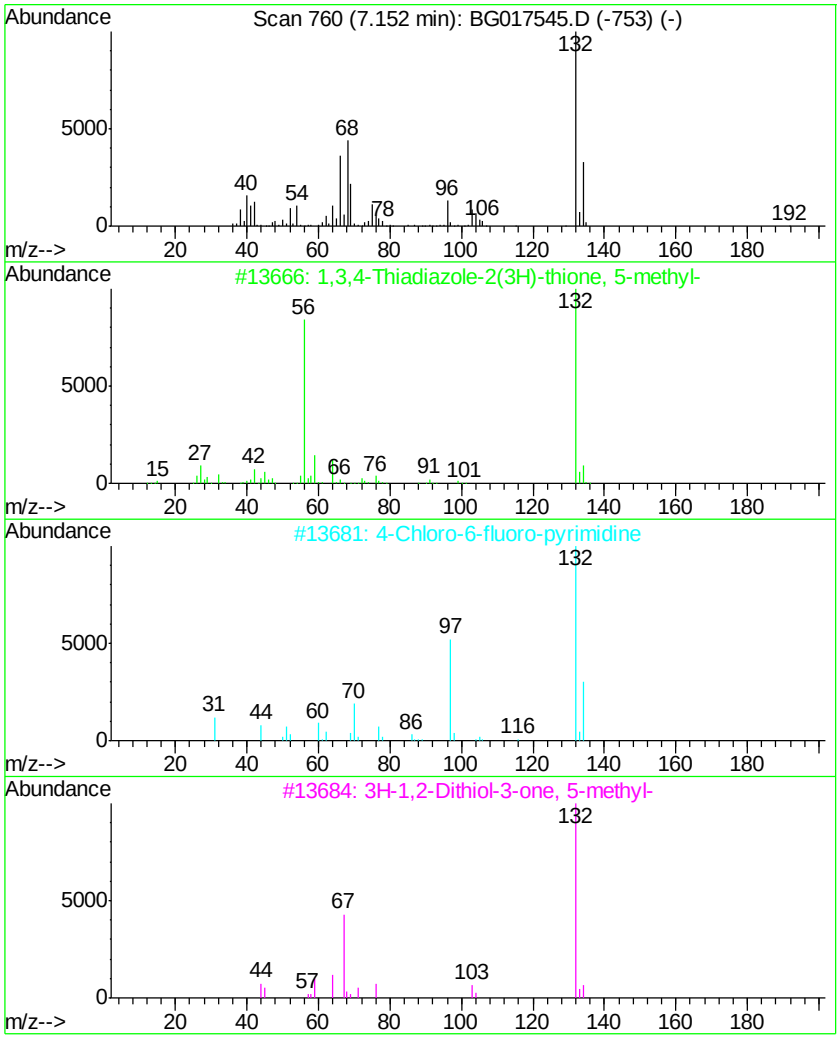
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

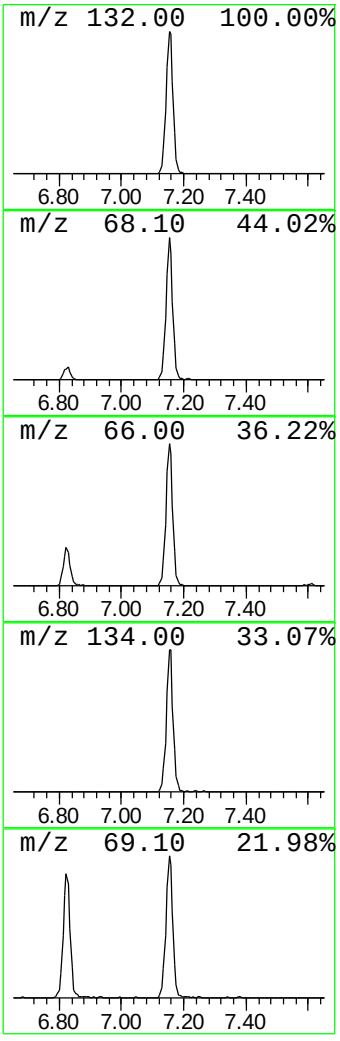
****

Peak Number 3 unknown7.15 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.15	111.02 ng	897530	1,4-Dichlorobenzene-d4	7.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	27
2	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
3	3H-1,2-Dithiol-3-one, 5-methyl-	132	C4H4OS2	003620-08-4	16
4	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017545.D
Acq On : 8 Jun 2015 16:19
Operator : TP/IZ
Sample : G2464-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-14DS

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

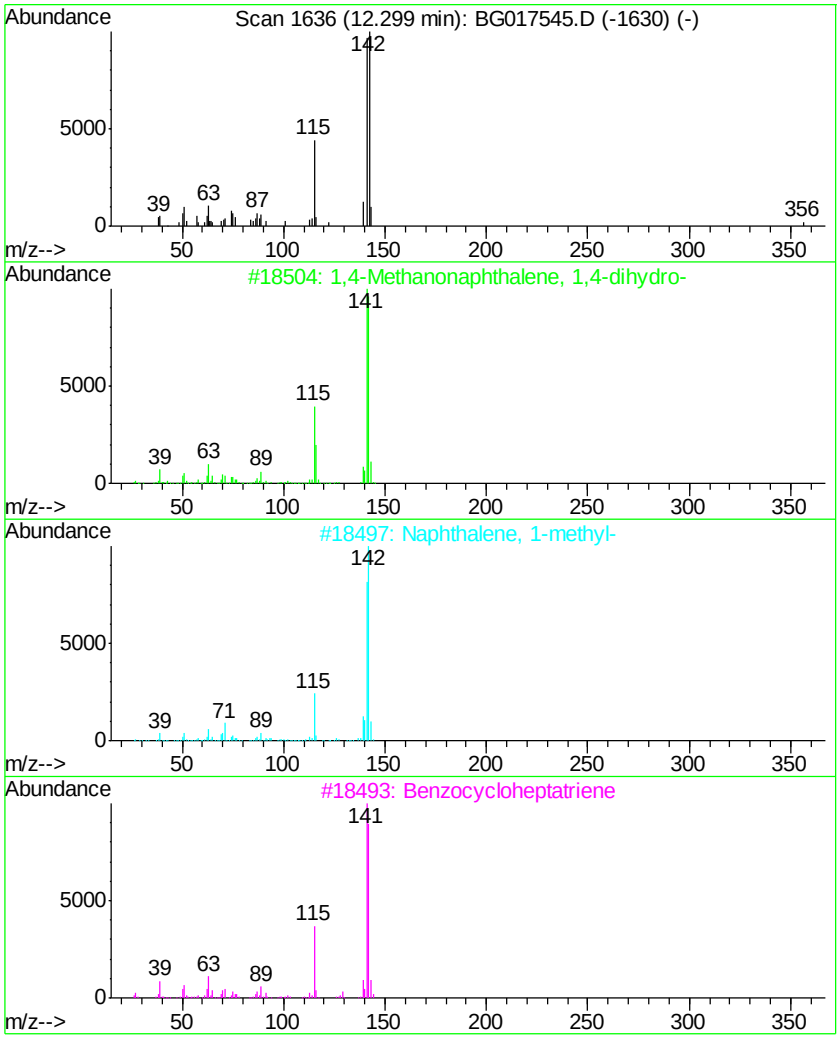
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

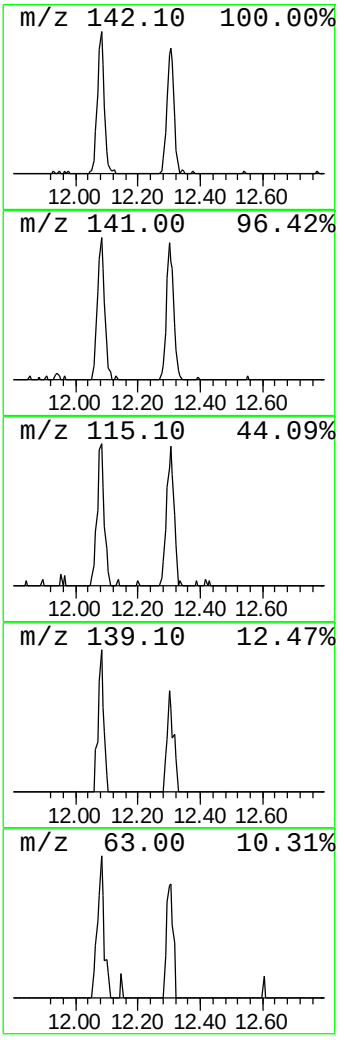
****

Peak Number 5 1,4-Methanonaphthalene, 1,4... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	5.20 ng	55760	Naphthalene-d8	10.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
3	Benzocycloheptatriene	142	C11H10	000264-09-5	91
4	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91
5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017545.D
Acq On : 8 Jun 2015 16:19
Operator : TP/IZ
Sample : G2464-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-14DS

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

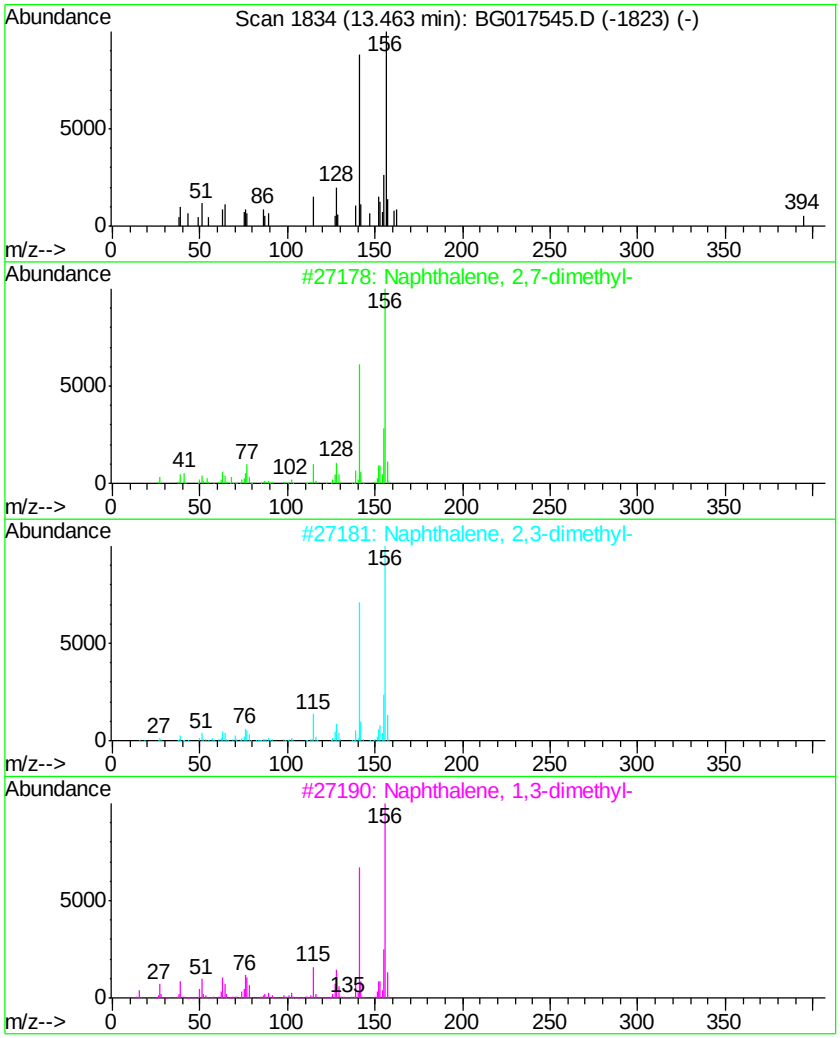
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

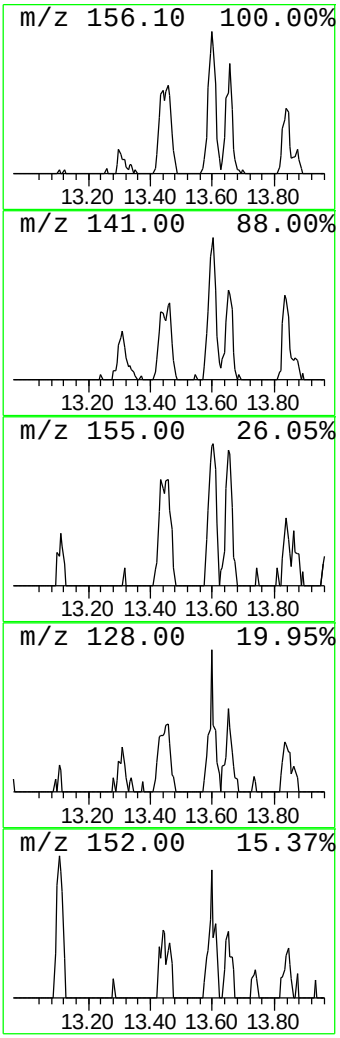
****

Peak Number 6 Naphthalene, 2,7-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.46	3.25 ng	49774	Acenaphthene-d10	14.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	89
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	89
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	89
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	87





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017545.D
Acq On : 8 Jun 2015 16:19
Operator : TP/IZ
Sample : G2464-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-14DS

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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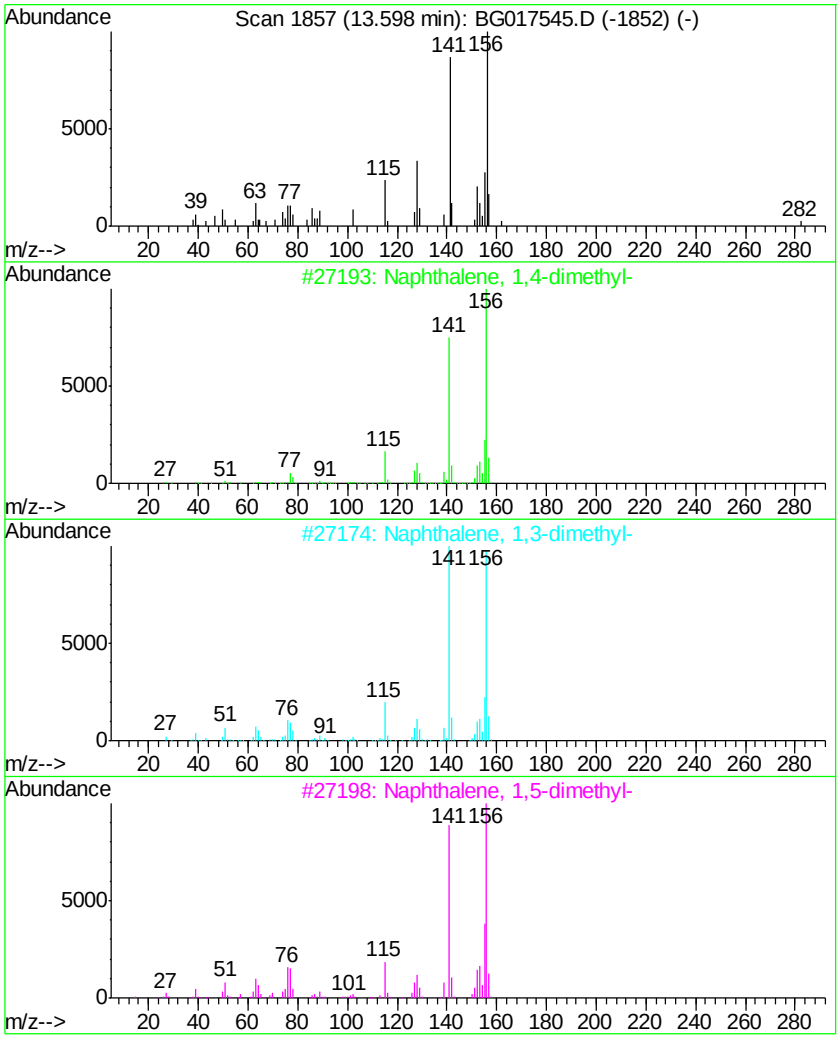
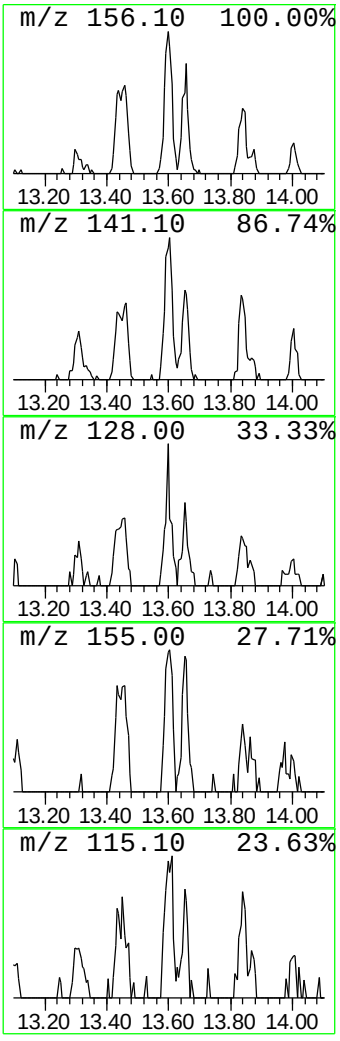
Peak Number 7 Naphthalene, 1,4-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.60	3.28 ng	50190	Acenaphthene-d10	14.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	94





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Data File : BG017545.D
Acq On : 8 Jun 2015 16:19
Operator : TP/IZ
Sample : G2464-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-14DS

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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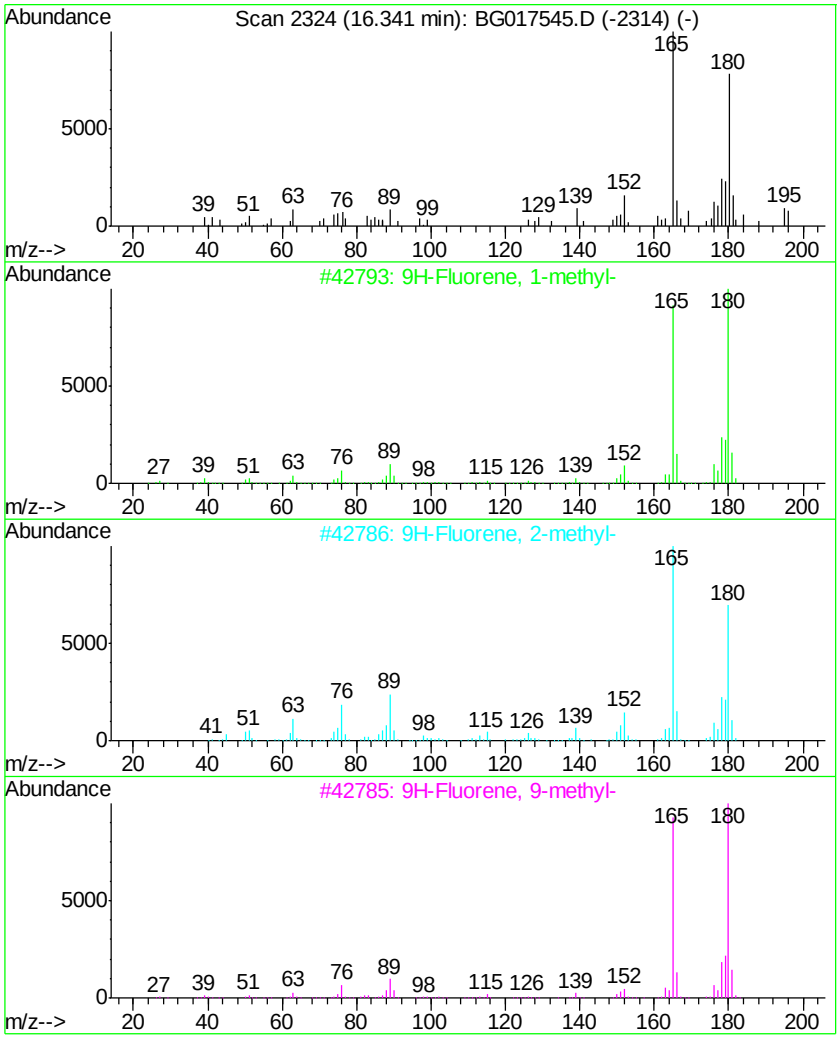
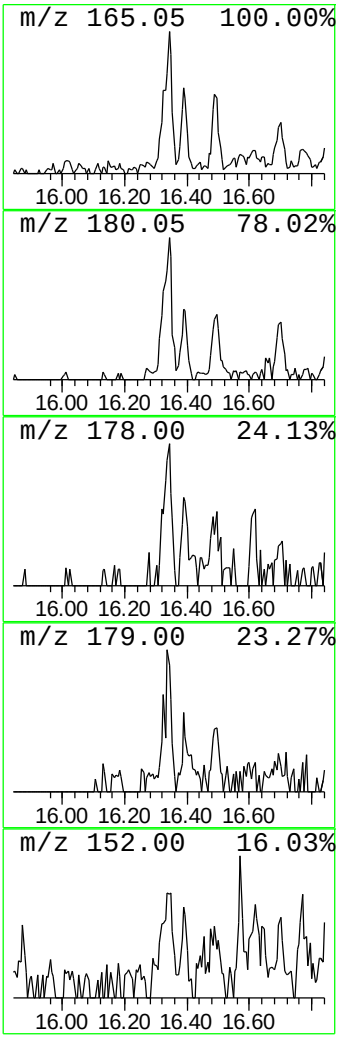
Peak Number 8 9H-Fluorene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.34	4.07 ng	67891	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	89
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	76
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	70





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Sample : G2464-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-14DS

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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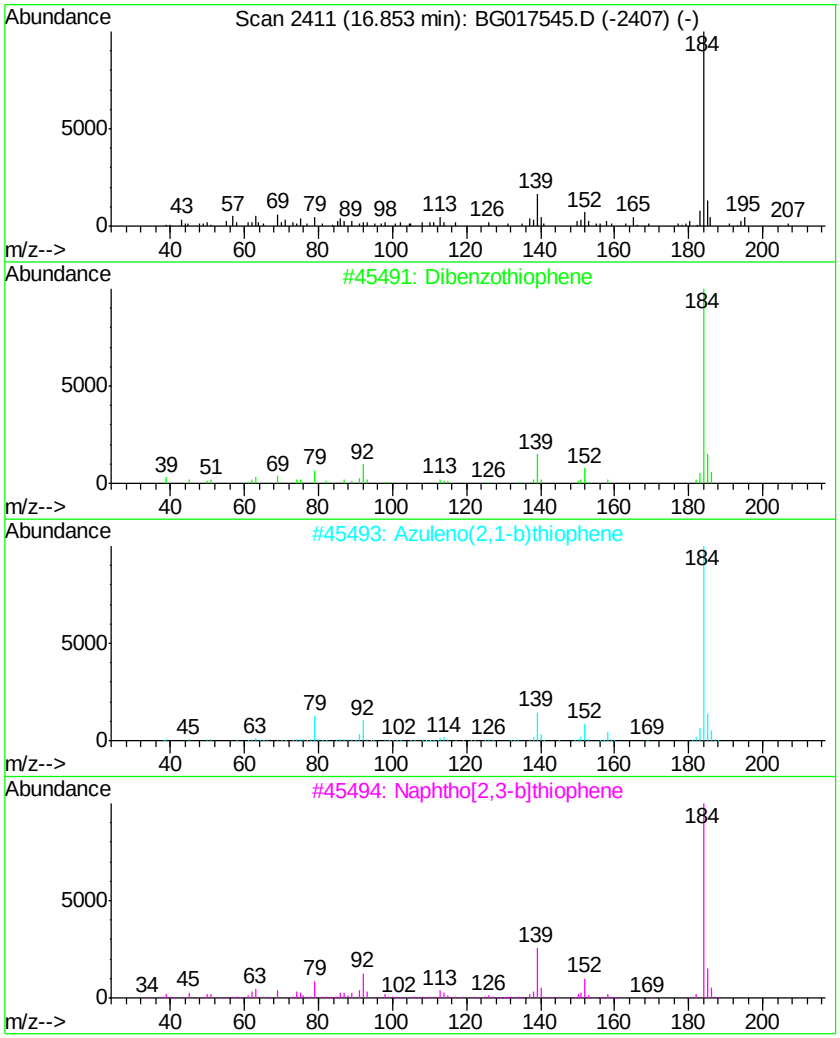
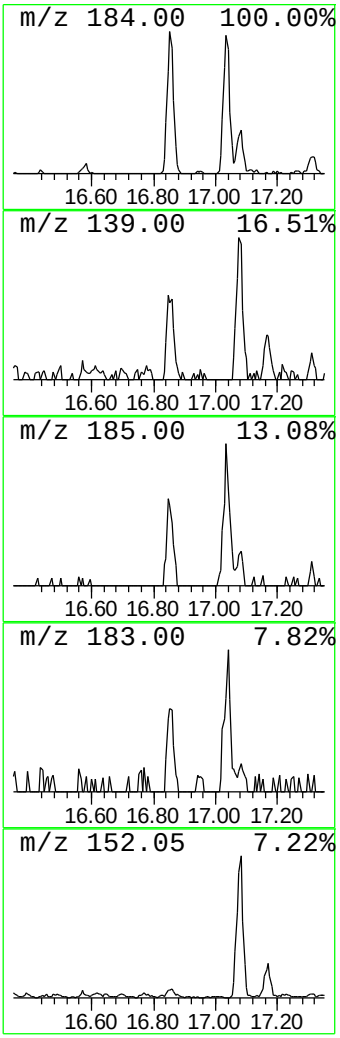
Peak Number 9 Dibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.85	4.55 ng	75932	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	87
2	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	83
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	74
4	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	64
5	2,5-Cyclohexadiene-1,4-dione, 2,...	184	C8H8O5	000085-23-4	59





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Operator : TP/IZ
Sample : G2464-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-14DS

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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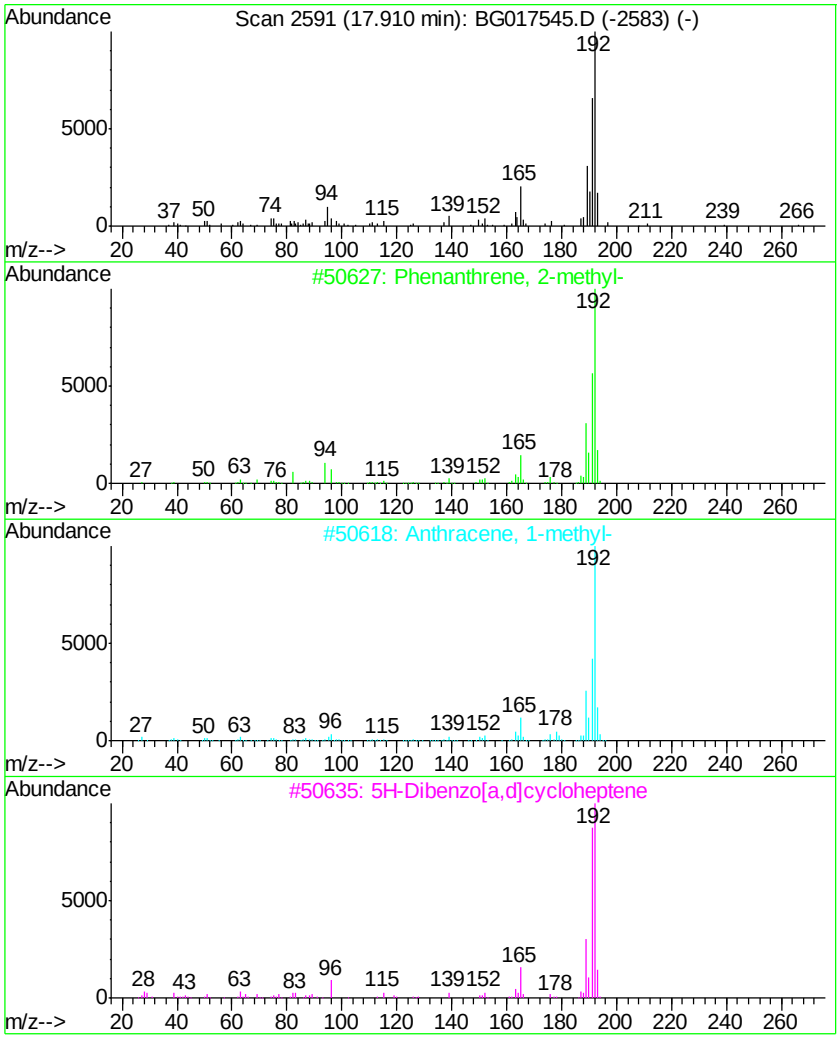
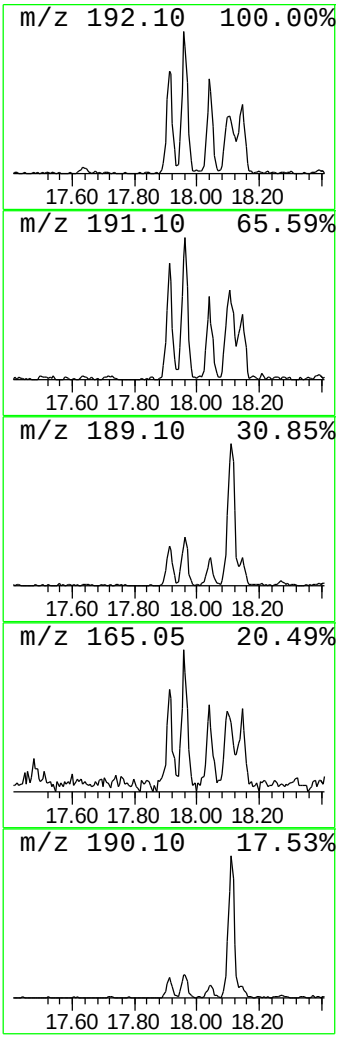
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.91	6.22 ng	103810	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	89





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Acq On : 8 Jun 2015 16:19
Operator : TP/IZ
Sample : G2464-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-14DS

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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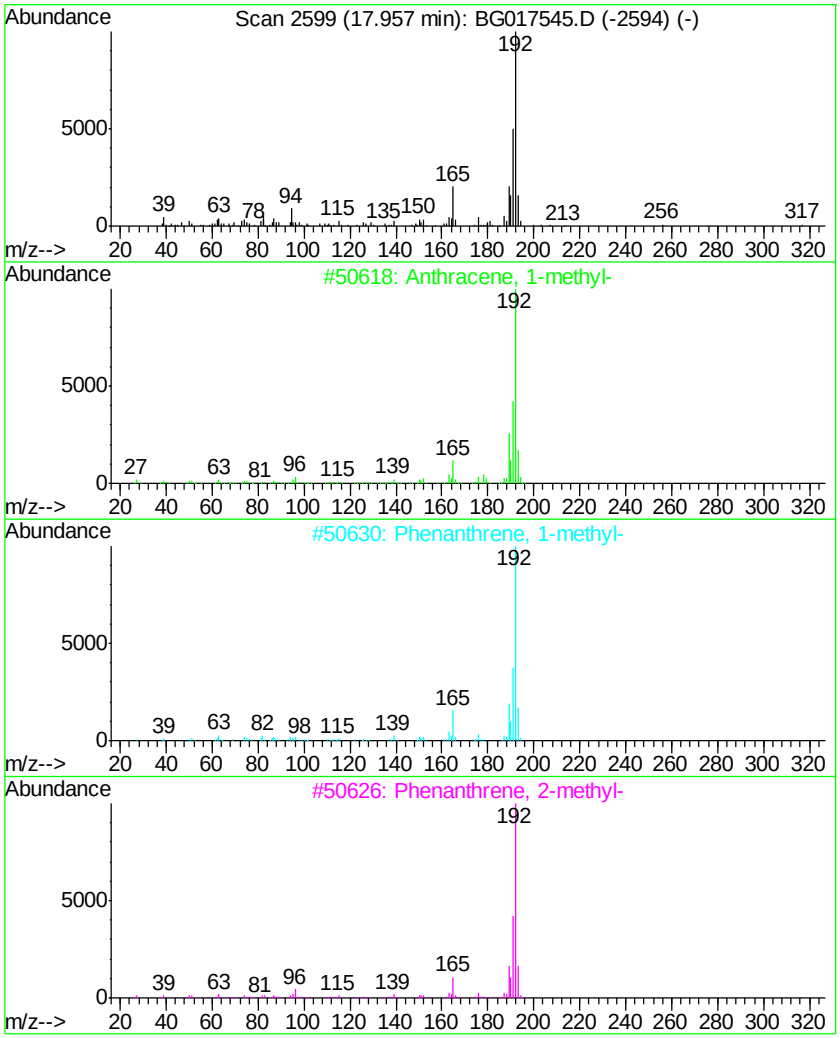
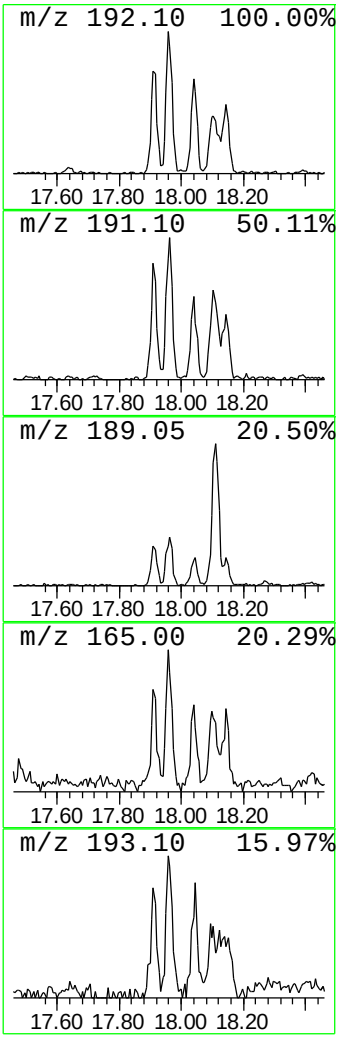
Peak Number 11 Anthracene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.96	11.11 ng	185498	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





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Acq On : 8 Jun 2015 16:19
Operator : TP/IZ
Sample : G2464-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-14DS

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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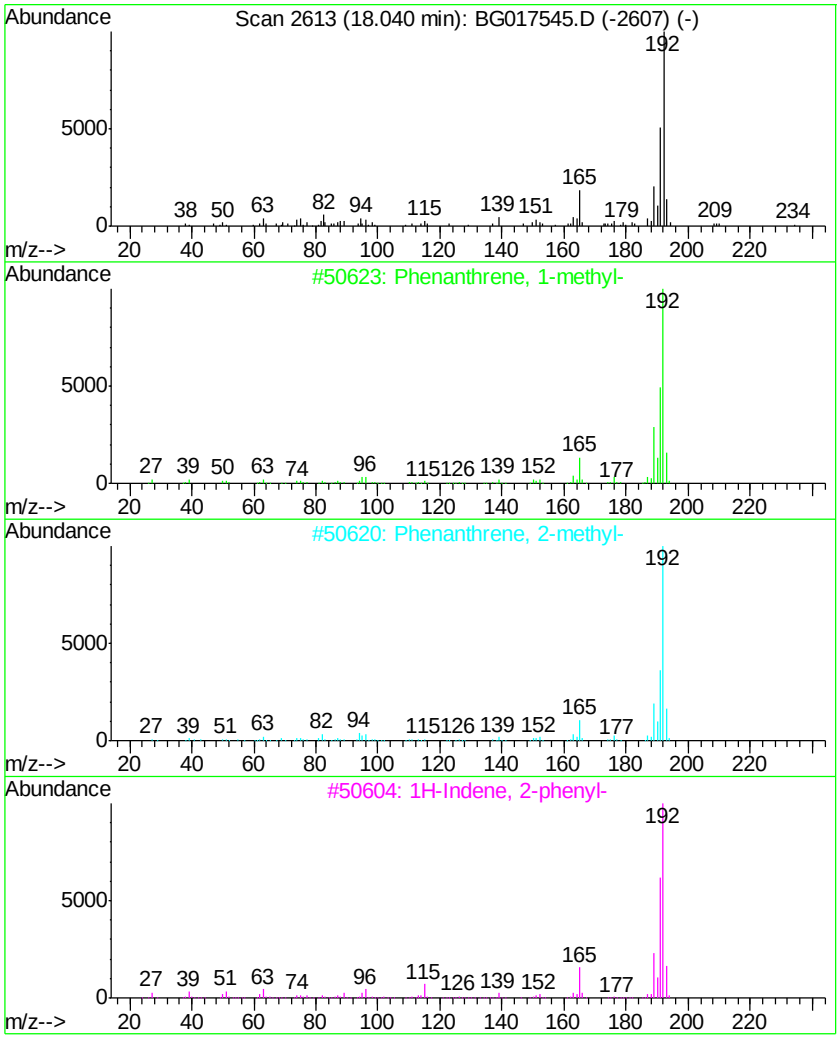
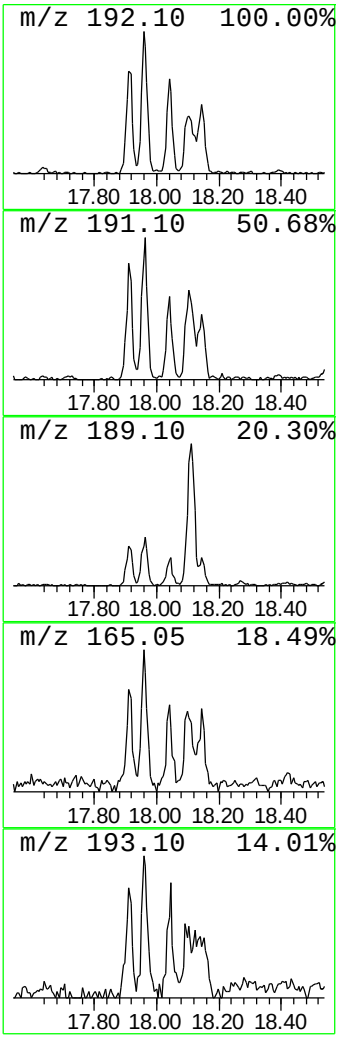
Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	4.81 ng	80246	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	91





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Acq On : 8 Jun 2015 16:19
Operator : TP/IZ
Sample : G2464-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-14DS

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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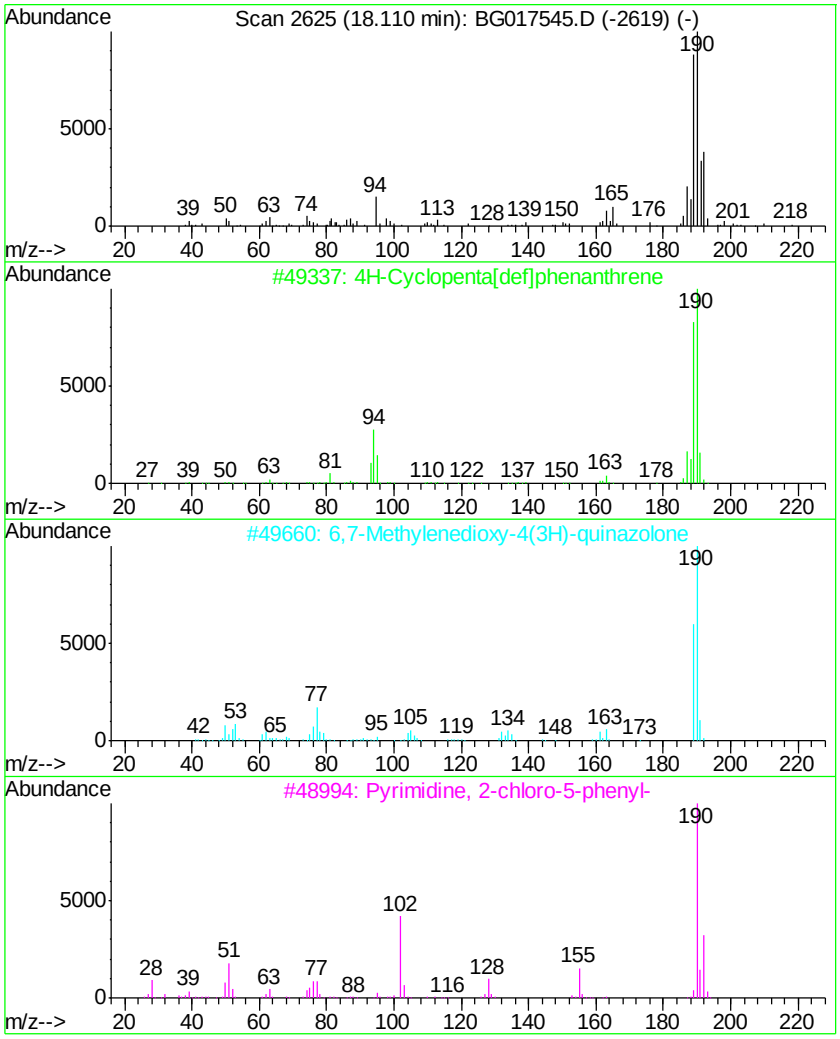
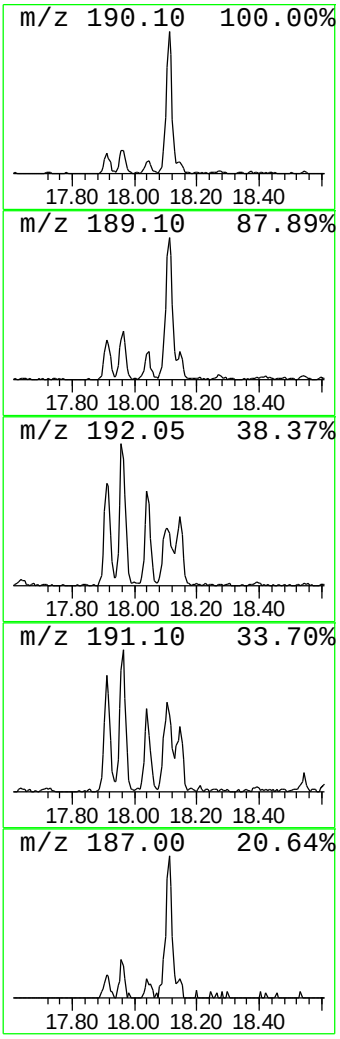
Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	11.04 ng	184330	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	6,7-Methylenedioxy-4(3H)-quinazo...	190	C9H6N2O3	028310-11-4	28
3	Pyrimidine, 2-chloro-5-phenyl-	190	C10H7ClN2	022536-62-5	17
4	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	16
5	Methyl diselenide	190	C2H6Se2	007101-31-7	12





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Acq On : 8 Jun 2015 16:19
Operator : TP/IZ
Sample : G2464-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-14DS

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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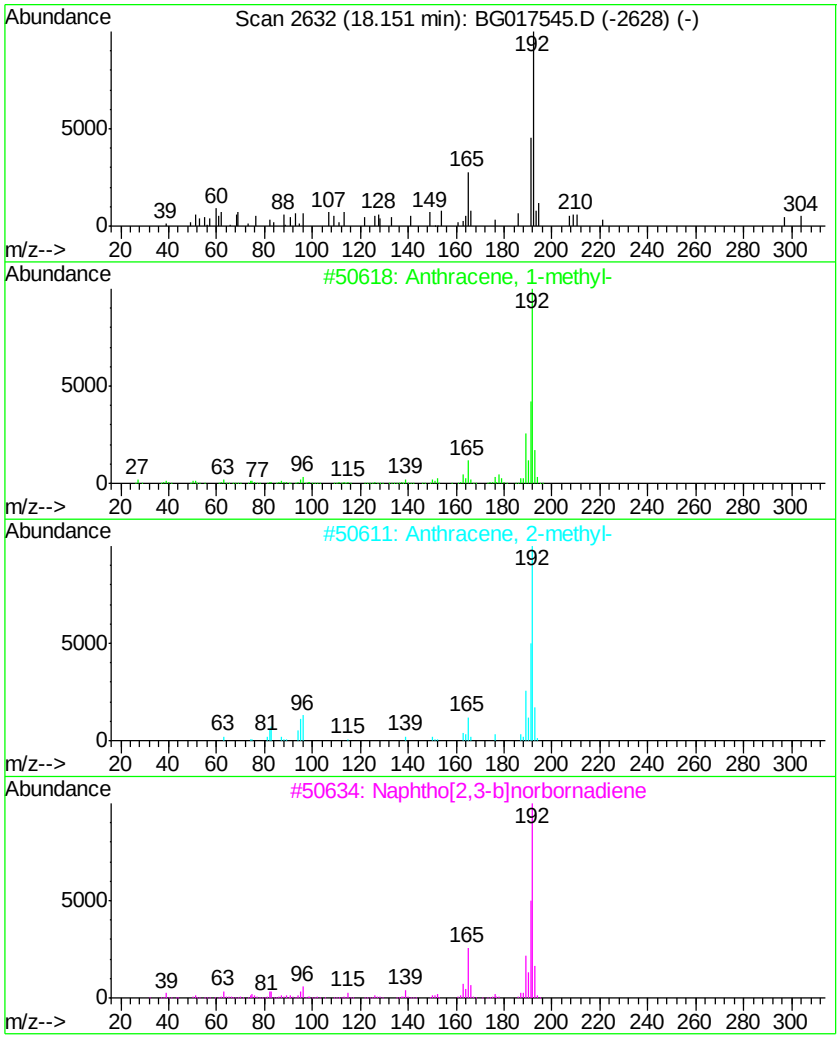
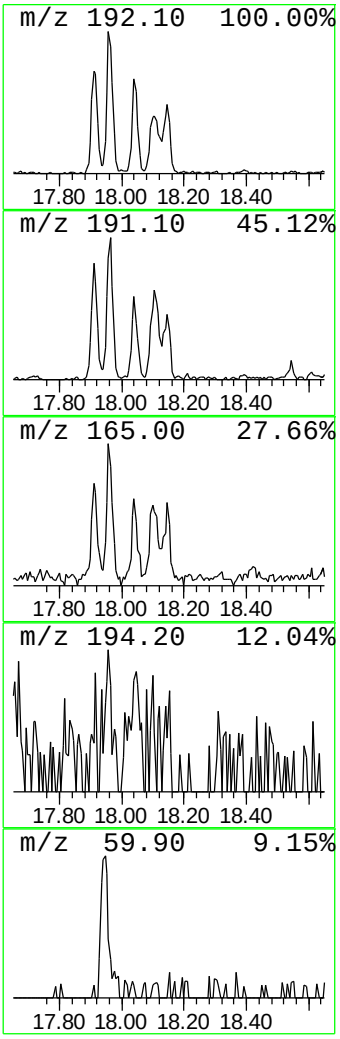
Peak Number 14 Anthracene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	3.21 ng	53643	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
3	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	86
4	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	80
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	78





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Operator : TP/IZ
Sample : G2464-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-14DS

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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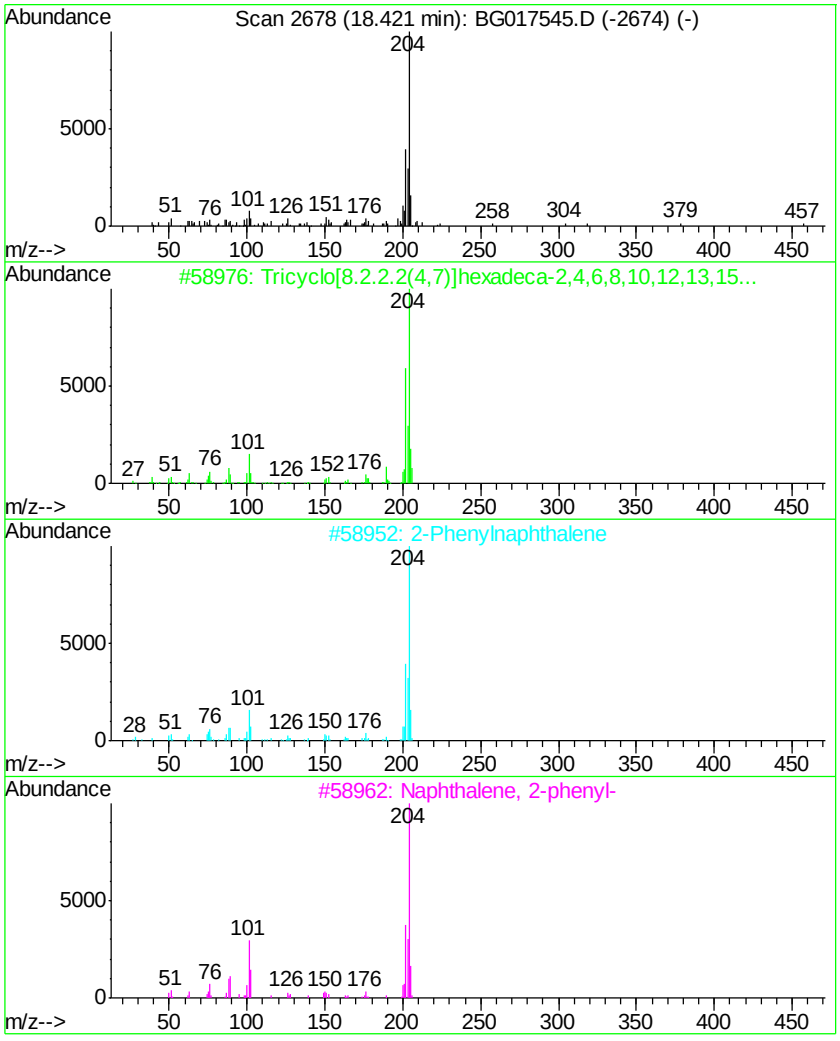
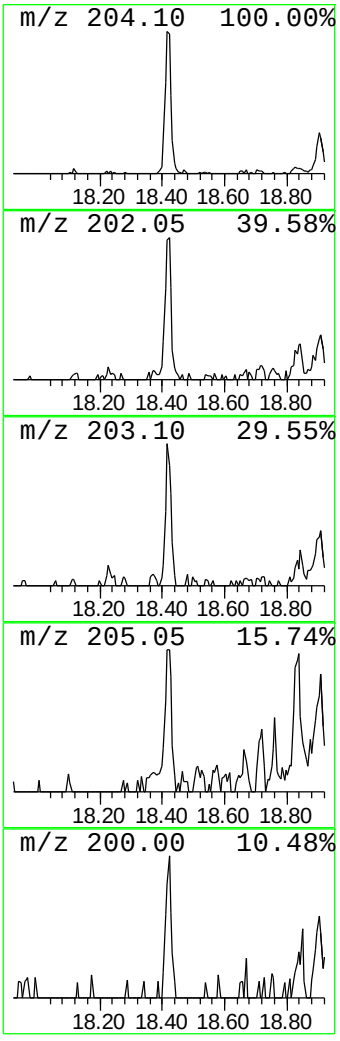
Peak Number 15 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	4.08 ng	68131	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
2	2-Phenylnaphthalene	204	C16H12	035465-71-5	76
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	68
4	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	64
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	56





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Sample : G2464-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-14DS

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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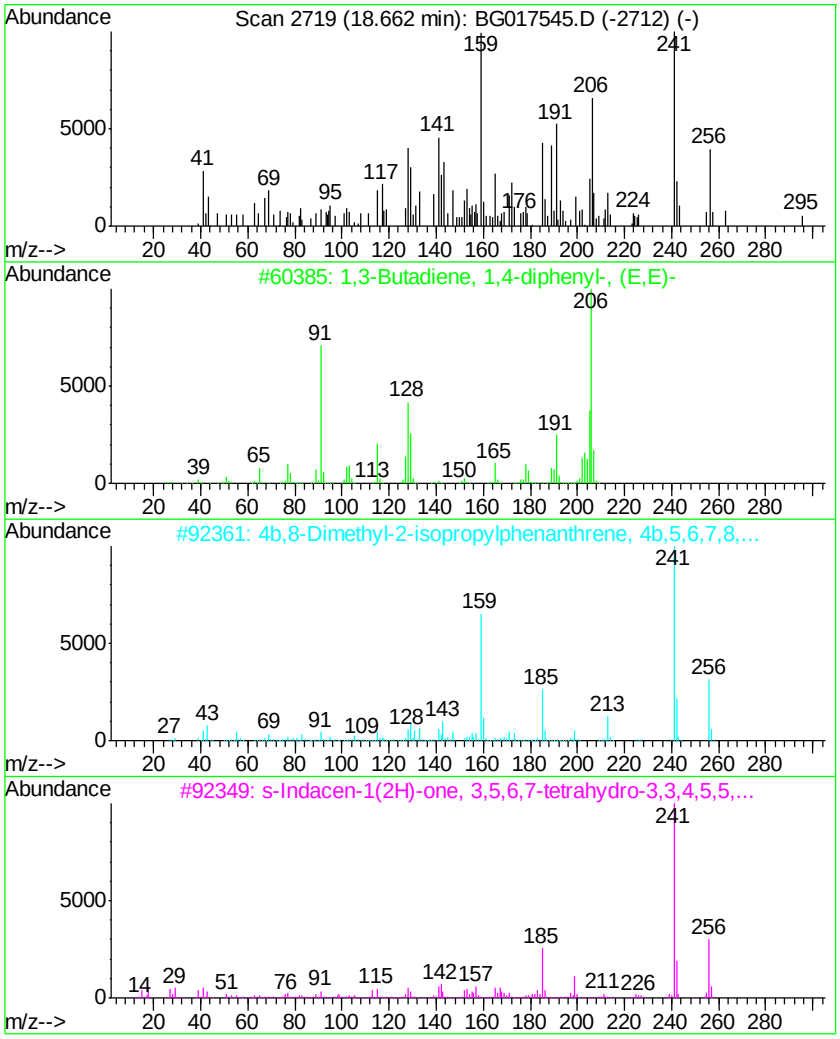
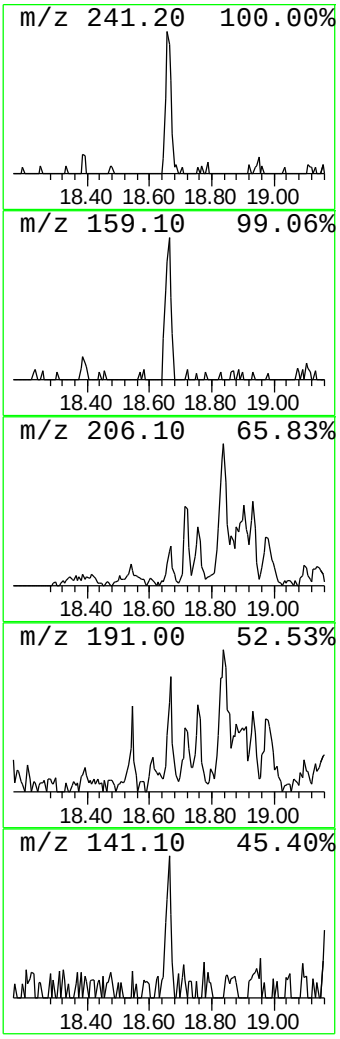
Peak Number 16 1,3-Butadiene, 1,4-diphenyl... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	4.06 ng	67856	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	53
2	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	50
3	s-Indacen-1(2H)-one, 3,5,6,7-tet...	256	C18H24O	038754-94-8	38
4	3,4-Dihydro-3,3-dimethyl-1,9(2H,...	241	C15H15NO2	1000212-95-2	15
5	1,1,3,3-Tetramethyl-1,3-disilaph...	256	C15H20Si2	032538-51-5	14





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Operator : TP/IZ
Sample : G2464-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-14DS

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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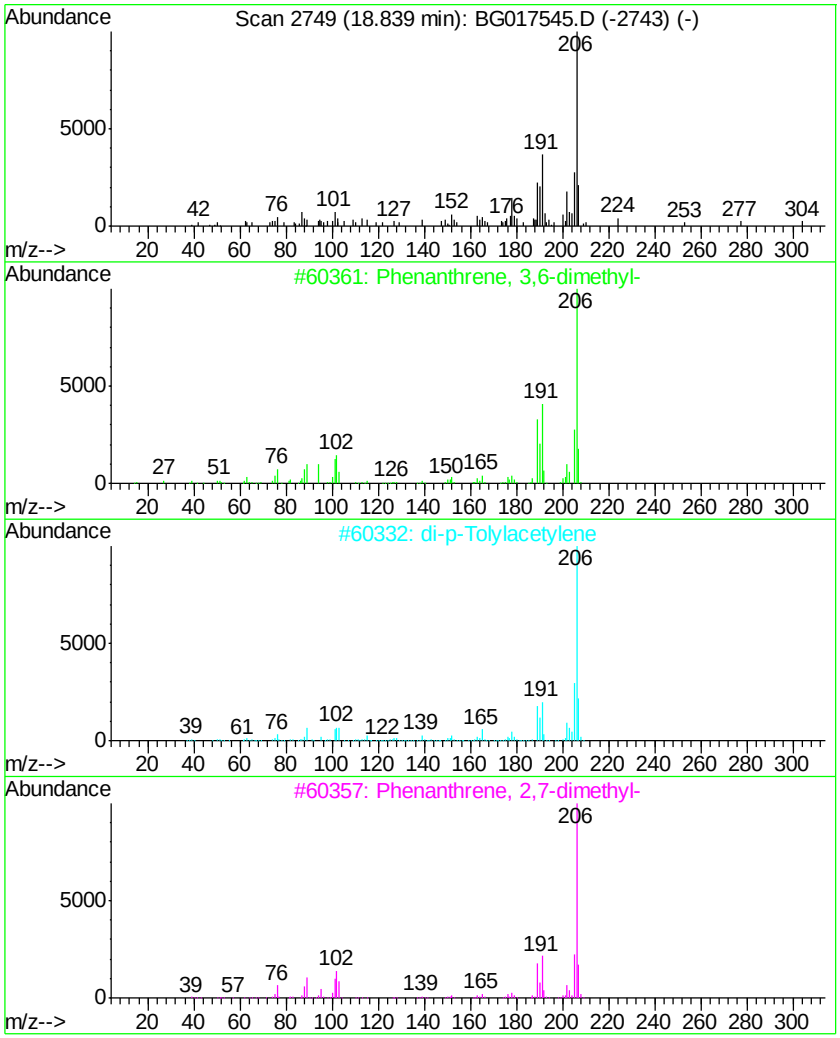
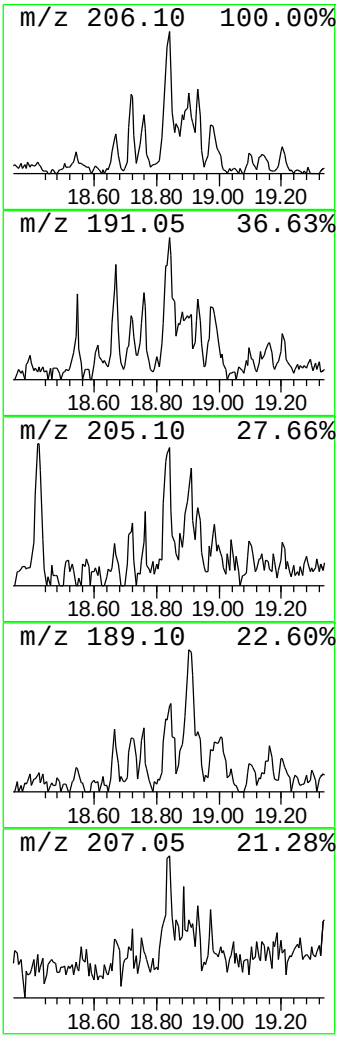
Peak Number 17 Phenanthrene, 3,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.84	3.40 ng	56803	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	81





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Acq On : 8 Jun 2015 16:19
Operator : TP/IZ
Sample : G2464-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-14DS

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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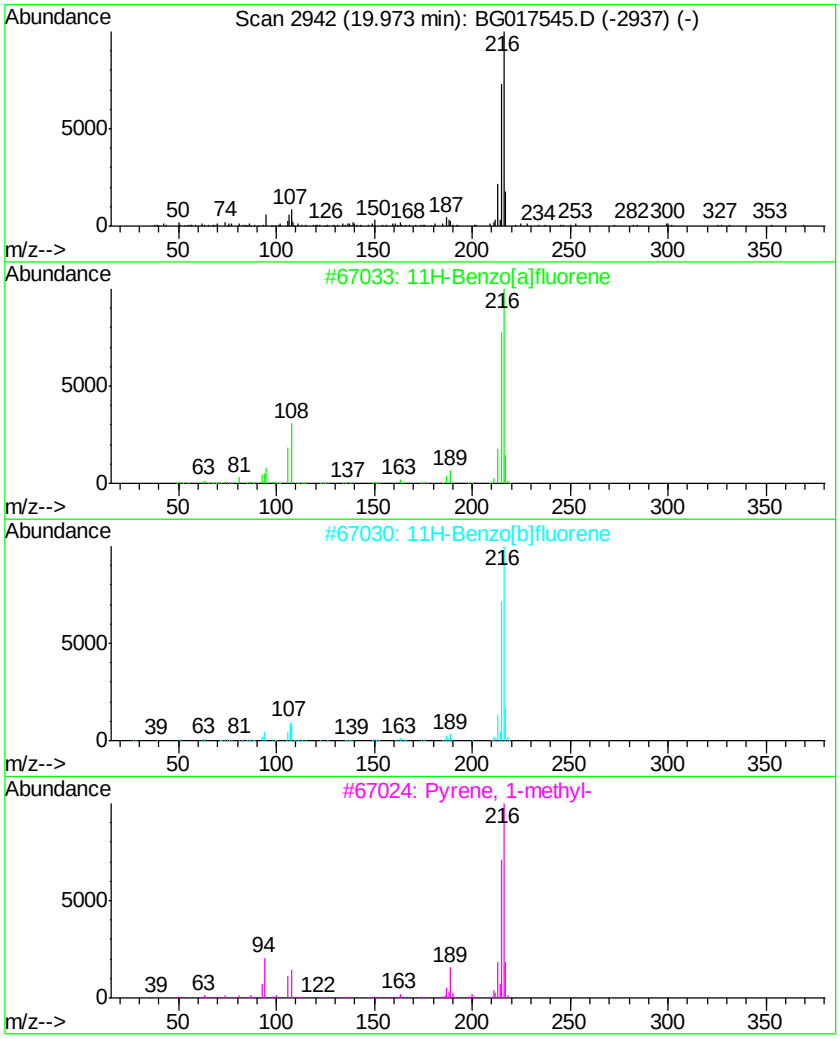
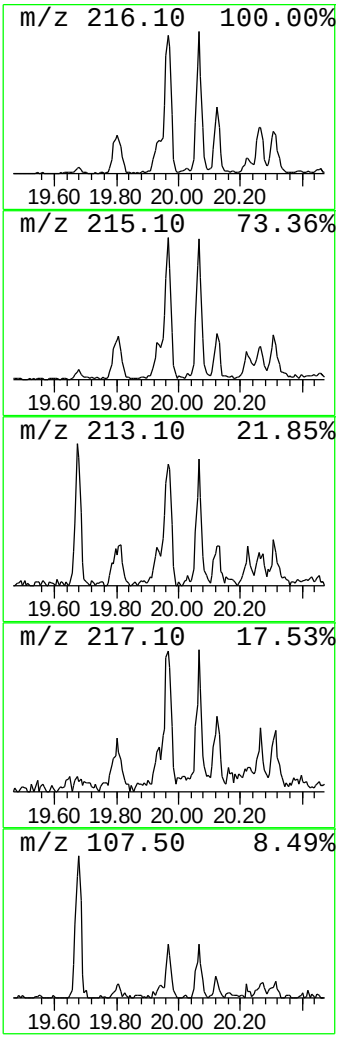
Peak Number 18 11H-Benzo[a]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.97	4.09 ng	168528	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	80
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017545.D
Acq On : 8 Jun 2015 16:19
Operator : TP/IZ
Sample : G2464-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-14DS

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
Butane, 2-methoxy...	2.75	11.9	ng	96303	1	7.61	161684	20.0
2-Pentanone, 4-hy...	4.71	7.5	ng	60828	1	7.61	161684	20.0
unknown7.15	7.15	111.0	ng	897530	1	7.61	161684	20.0
1,4-Methanonaphth...	12.30	5.2	ng	55760	2	10.41	214351	20.0
Naphthalene, 2,7-...	13.46	3.3	ng	49774	3	14.28	306286	20.0
Naphthalene, 1,4-...	13.60	3.3	ng	50190	3	14.28	306286	20.0
9H-Fluorene, 1-me...	16.34	4.1	ng	67891	4	17.03	333915	20.0
Dibenzothiophene	16.85	4.5	ng	75932	4	17.03	333915	20.0
Phenanthrene, 2-m...	17.91	6.2	ng	103810	4	17.03	333915	20.0
Anthracene, 1-met...	17.96	11.1	ng	185498	4	17.03	333915	20.0
Phenanthrene, 1-m...	18.04	4.8	ng	80246	4	17.03	333915	20.0
4H-Cyclopenta[def...	18.11	11.0	ng	184330	4	17.03	333915	20.0
Anthracene, 2-met...	18.15	3.2	ng	53643	4	17.03	333915	20.0
Tricyclo[8.2.2.2(...	18.42	4.1	ng	68131	4	17.03	333915	20.0
1,3-Butadiene, 1,...	18.66	4.1	ng	67856	4	17.03	333915	20.0
Phenanthrene, 3,6...	18.84	3.4	ng	56803	4	17.03	333915	20.0
11H-Benzo[a]fluorene	19.97	4.1	ng	168528	5	21.23	823636	20.0