LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017548.D
Acq On : 8 Jun 2015 18:04
Operator : TP/IZ
Sample : G2555-05 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUSO-005

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	4.710	337	344	354	rBV4	8956	17140	3.06%	0.251%
2	5.204	423	428	435	rBV2	81868	124751	22.25%	1.825%
3	6.819	696	703	711	rBV	83809	138439	24.69%	2.026%
4	7.148	754	759	765	rBV2	87131	140274	25.02%	2.053%
5	7.607	831	837	849	rVB	88253	138285	24.67%	2.023%
6	7.924	886	891	898	rVB	68870	112788	20.12%	1.650%
7	8.776	1030	1036	1044	rBV	49510	87281	15.57%	1.277%
8	10.403	1307	1313	1320	rBV	110855	188886	33.69%	2.764%
9	10.456	1320	1322	1328	rVB3	6906	9894	1.76%	0.145%
10	12.084	1593	1599	1604	rBV2	8780	14644	2.61%	0.214%
11	12.307	1630	1637	1643	rBV2	12688	21119	3.77%	0.309%
12	12.895	1730	1737	1745	rBV	129842	193184	34.46%	2.827%
13	13.453	1823	1832	1837	rBV6	6945	16089	2.87%	0.235%
14	13.600	1849	1857	1863	rBV3	18473	31088	5.55%	0.455%
15	13.652	1863	1866	1871	rBV2	10364	14926	2.66%	0.218%
16	13.746	1877	1882	1887	rVB3	10694	14576	2.60%	0.213%
17	13.840	1894	1898	1901	rBV4	8249	11937	2.13%	0.175%
18	14.005	1922	1926	1931	rBV4	11569	19118	3.41%	0.280%
19	14.105	1937	1943	1947	rVB5	4104	7318	1.31%	0.107%
20	14.281	1967	1973	1980	rBV2	176918	265252	47.31%	3.881%
21	14.346	1980	1984	1987	rBV2	6403	7896	1.41%	0.116%
22	14.687	2037	2042	2050	rVB5	11892	17944	3.20%	0.263%
23	14.757	2050	2054	2061	rBV4	9068	12695	2.26%	0.186%
24	14.904	2076	2079	2084	rVB3	9099	12517	2.23%	0.183%
25	14.957	2084	2088	2091	rBV4	6749	8195	1.46%	0.120%
26	15.063	2099	2106	2107	rBV5	5841	8876	1.58%	0.130%
27	15.333	2147	2152	2156	rBV3	29138	45378	8.09%	0.664%
28	15.627	2199	2202	2209	rVB6	6417	11357	2.03%	0.166%
29	15.785	2221	2229	2237	rBV2	119703	182459	32.55%	2.670%
30	16.009	2259	2267	2274	rBV5	8383	18248	3.25%	0.267%
31	16.150	2287	2291	2295	rVB4	4040	7251	1.29%	0.106%
32	16.343	2317	2324	2328	rBV5	13850	29560	5.27%	0.433%
33	16.390	2328	2332	2338	rVB3	14534	21785	3.89%	0.319%
34	16.490	2344	2349	2352	rVB4	8404	11392	2.03%	0.167%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017548.D
Acq On : 8 Jun 2015 18:04
Operator : TP/IZ
Sample : G2555-05 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUSO-005

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	16.702	2377	2385	2388	rVB5	5567	9948	1.77%	0.146%
36	16.766	2393	2396	2400	rBV5	5678	11073	1.98%	0.162%
37	16.855	2407	2411	2418	rVB2	16582	28206	5.03%	0.413%
38	17.037	2436	2442	2445	rBV	233135	321421	57.33%	4.703%
39	17.078	2445	2449	2456	rVB	179391	244985	43.70%	3.585%
40	17.166	2461	2464	2469	rVV	25239	33576	5.99%	0.491%
41	17.225	2471	2474	2479	rVV4	7981	14571	2.60%	0.213%
42	17.448	2506	2512	2513	rBV5	6467	8913	1.59%	0.130%
43	17.554	2528	2530	2534	rVB2	9458	9955	1.78%	0.146%
44	17.618	2534	2541	2548	rVB4	19175	31116	5.55%	0.455%
45	17.765	2561	2566	2570	rVB3	9318	17152	3.06%	0.251%
46	17.836	2573	2578	2583	rBV4	5237	10703	1.91%	0.157%
47	17.912	2586	2591	2595	rVV	58636	87757	15.65%	1.284%
48	17.959	2595	2599	2606	rVV	74889	103496	18.46%	1.514%
49	18.041	2606	2613	2618	rVV3	15694	25980	4.63%	0.380%
50	18.106	2618	2624	2628	rVV3	75576	137682	24.56%	2.015%
51	18.141	2628	2630	2636	rVB	51043	67225	11.99%	0.984%
52	18.229	2641	2645	2647	rBV4	9017	9464	1.69%	0.138%
53	18.312	2656	2659	2662	rBV4	6814	8165	1.46%	0.119%
54	18.417	2672	2677	2680	rBV2	29869	43071	7.68%	0.630%
55	18.594	2704	2707	2710	rVB5	5145	7887	1.41%	0.115%
56	18.641	2710	2715	2716	rBV4	9595	13166	2.35%	0.193%
57	18.664	2716	2719	2722	rVB3	15778	17647	3.15%	0.258%
58	18.717	2722	2728	2731	rBV2	18473	28584	5.10%	0.418%
59	18.752	2731	2734	2739	rVB5	10872	15531	2.77%	0.227%
60	18.840	2741	2749	2753	rBV	49769	85404	15.23%	1.250%
61	18.905	2753	2760	2763	rVV4	24651	49613	8.85%	0.726%
62	18.929	2763	2764	2768	rVB	16856	15105	2.69%	0.221%
63	18.982	2768	2773	2780	rBV8	23001	57456	10.25%	0.841%
64	19.105	2788	2794	2799	rBV	224622	294471	52.52%	4.309%
65	19.170	2801	2805	2808	rVB4	14837	17400	3.10%	0.255%
66	19.205	2808	2811	2816	rBV6	17054	22206	3.96%	0.325%
67	19.252	2816	2819	2823	rVB6	8603	13555	2.42%	0.198%
68	19.305	2823	2828	2831	rBV7	9598	14151	2.52%	0.207%
69	19.346	2831	2835	2838	rVB3	14608	19102	3.41%	0.280%
70	19.381	2838	2841	2844	rVB5	11952	13532	2.41%	0.198%
71	19.469	2846	2856	2860	rBV	257186	400607	71.46%	5.862%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017548.D
Acq On : 8 Jun 2015 18:04
Operator : TP/IZ
Sample : G2555-05 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUSO-005

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	19.546	2865	2869	2875	rVB5	19473	33573	5.99%	0.491%
73	19.675	2886	2891	2895	rBV	225741	264442	47.17%	3.869%
74	19.792	2907	2911	2918	rBV3	28262	58475	10.43%	0.856%
75	19.880	2922	2926	2930	rBV6	11776	20197	3.60%	0.296%
76	19.927	2930	2934	2937	rBV5	26812	45095	8.04%	0.660%
77	19.963	2937	2940	2945	rVB	57376	78875	14.07%	1.154%
78	20.063	2954	2957	2962	rVB	42659	50750	9.05%	0.743%
79	20.121	2962	2967	2972	rBV3	47254	68913	12.29%	1.008%
80	20.168	2972	2975	2978	rVB5	9938	10946	1.95%	0.160%
81	20.262	2988	2991	2995	rBV	35646	44107	7.87%	0.645%
82	20.309	2995	2999	3002	rVV	36585	46581	8.31%	0.682%
83	20.427	3016	3019	3023	rBV6	13568	18272	3.26%	0.267%
84	20.556	3039	3041	3044	rBV4	10658	8440	1.51%	0.123%
85	20.586	3044	3046	3051	rVB6	13260	13243	2.36%	0.194%
86	20.668	3058	3060	3063	rBV4	13770	14407	2.57%	0.211%
87	20.715	3066	3068	3074	rVB2	27251	34869	6.22%	0.510%
88	20.879	3093	3096	3100	rVB3	28151	34200	6.10%	0.500%
89	20.915	3100	3102	3105	rBV2	27651	29696	5.30%	0.435%
90	20.956	3105	3109	3114	rVV4	20986	37172	6.63%	0.544%
91	21.232	3149	3156	3159	rBV2	341079	560633	100.00%	8.203%
92	21.267	3159	3162	3169	rVB	131565	165792	29.57%	2.426%
93	21.379	3179	3181	3188	rBV6	25854	42581	7.60%	0.623%
94	21.778	3246	3249	3254	rVB	41100	51038	9.10%	0.747%
95	21.831	3255	3258	3263	rVB2	31667	46738	8.34%	0.684%
96	21.972	3279	3282	3286	rBV3	38386	49979	8.91%	0.731%
97	22.801	3417	3423	3427	rBV	68152	161390	28.79%	2.361%
98	23.271	3500	3503	3512	rVB2	54346	92457	16.49%	1.353%
99	23.370	3515	3520	3526	rVB	82882	150833	26.90%	2.207%
100	23.464	3531	3536	3542	rBV	184830	328133	58.53%	4.801%

Sum of corrected areas: 6834245

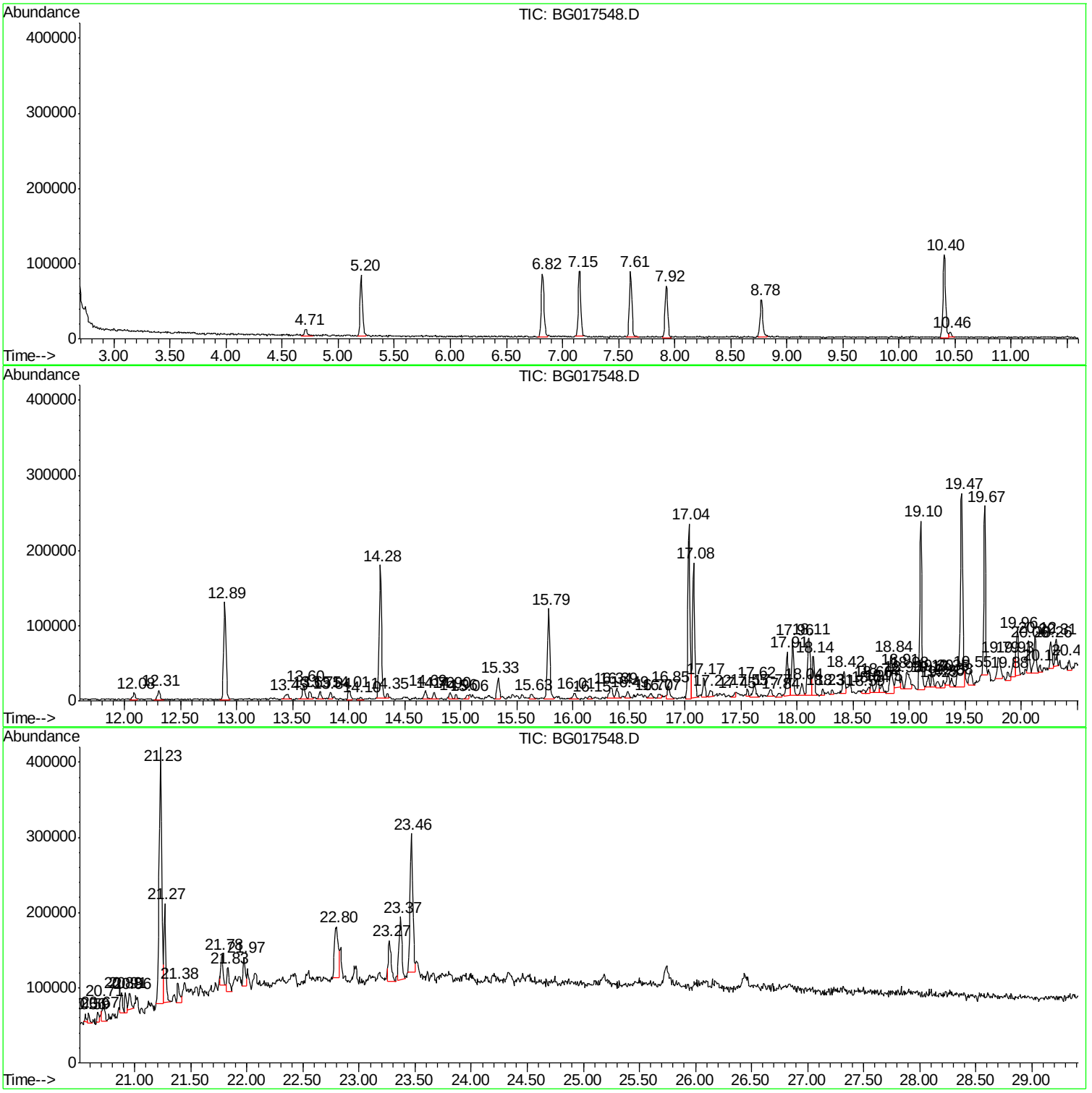
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017548.D
Acq On : 8 Jun 2015 18:04
Operator : TP/IZ
Sample : G2555-05 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DUSO-005

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017548.D
Acq On : 8 Jun 2015 18:04
Operator : TP/IZ
Sample : G2555-05 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUSO-005

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

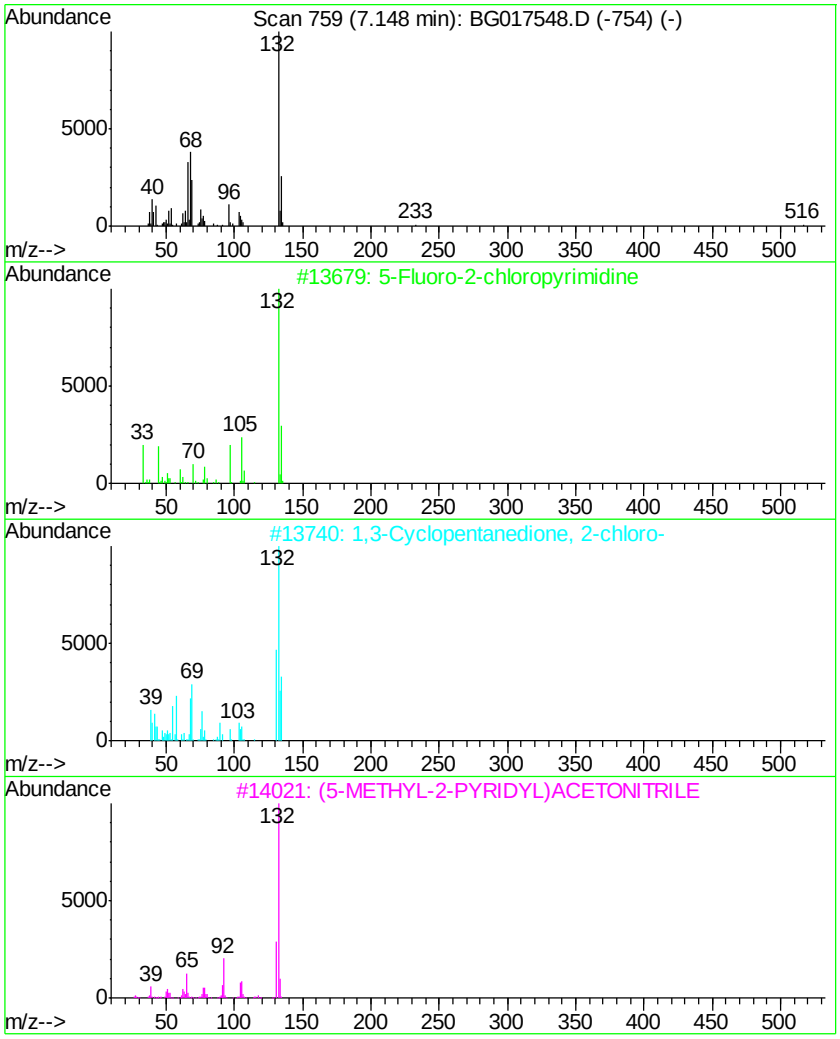
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

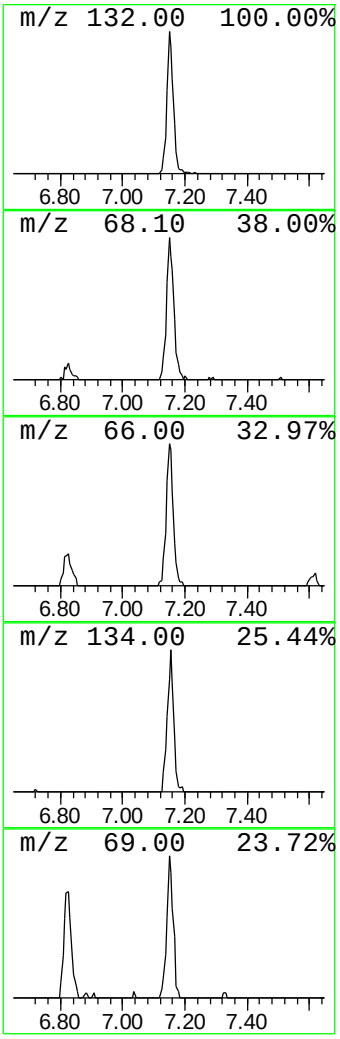
****

Peak Number 2 unknown7.15 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.15	20.29 ng	140274	1,4-Dichlorobenzene-d4	7.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	35
2	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	32
3	(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	27
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	27
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	27





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017548.D
Acq On : 8 Jun 2015 18:04
Operator : TP/IZ
Sample : G2555-05 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUSO-005

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

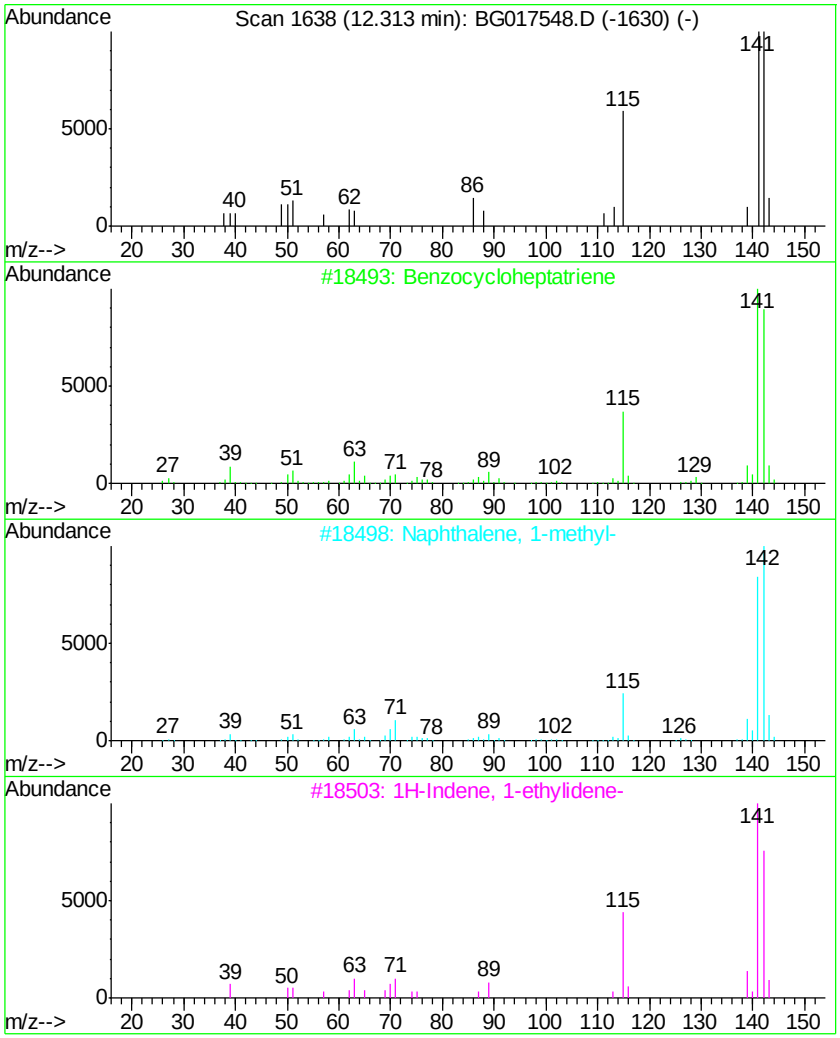
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

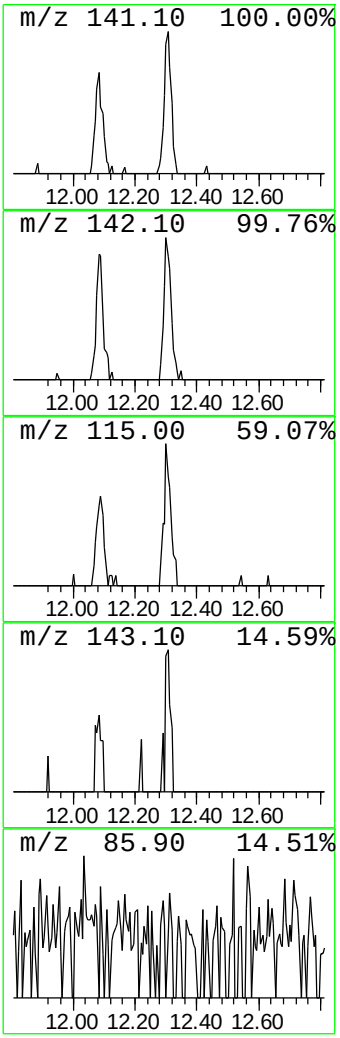
****

Peak Number 4 Benzocycloheptatriene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	2.24 ng	21119	Naphthalene-d8	10.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzocycloheptatriene	142	C11H10	000264-09-5	87
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	86
3	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	86
4	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	78
5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	78





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017548.D
Acq On : 8 Jun 2015 18:04
Operator : TP/IZ
Sample : G2555-05 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUSO-005

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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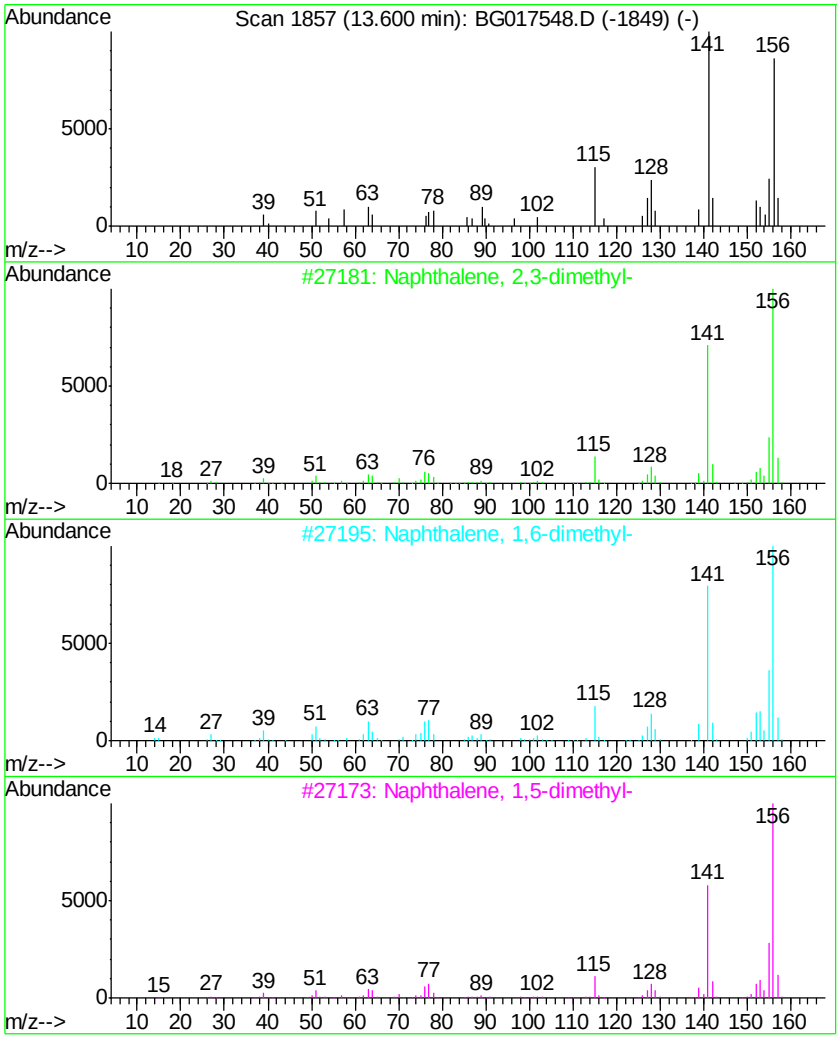
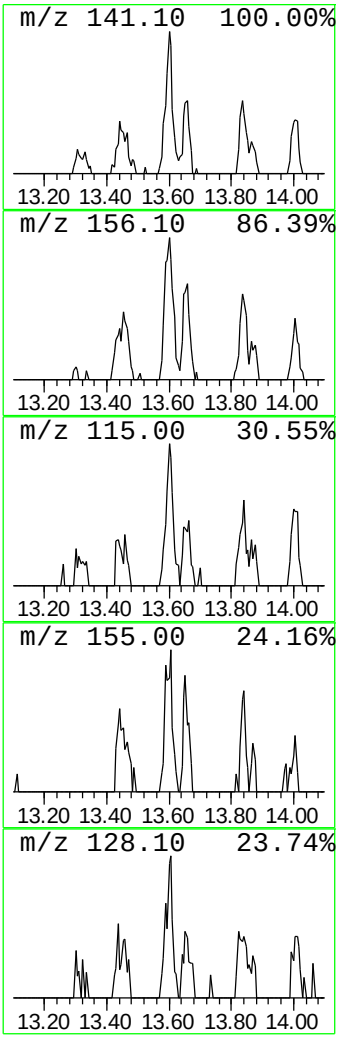
Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.60	2.34 ng	31088	Acenaphthene-d10	14.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	93
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	93
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	91
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	90





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017548.D
Acq On : 8 Jun 2015 18:04
Operator : TP/IZ
Sample : G2555-05 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUSO-005

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

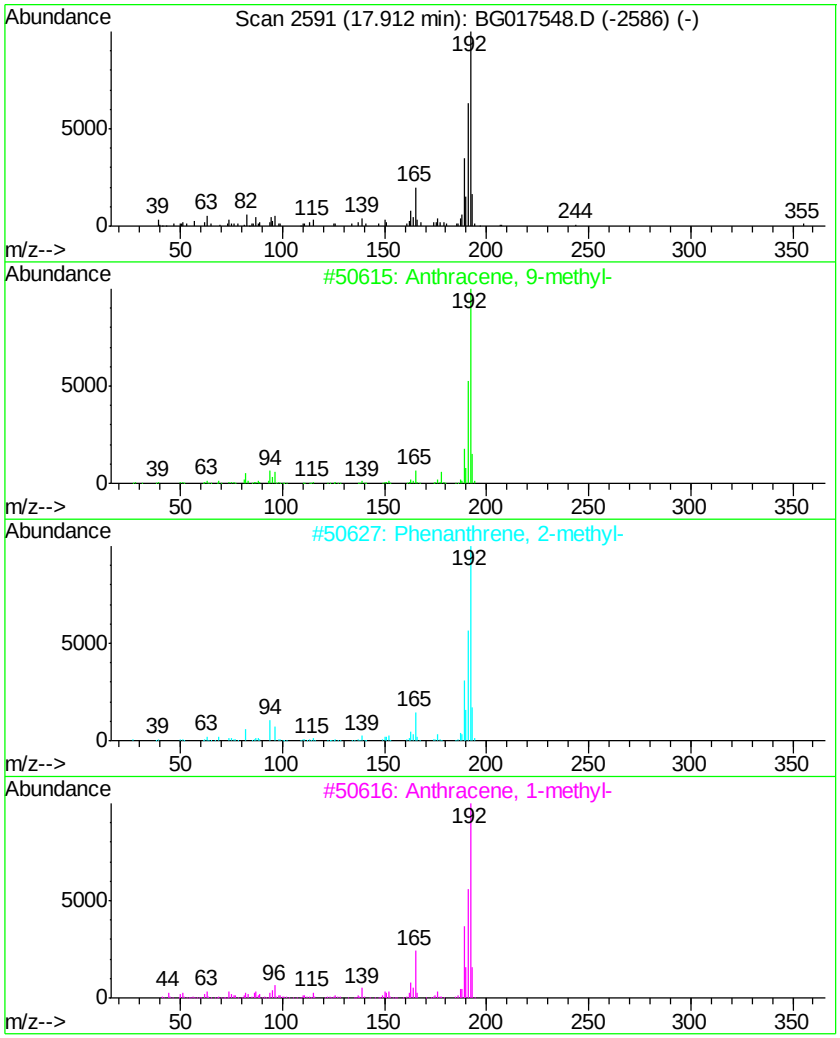
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

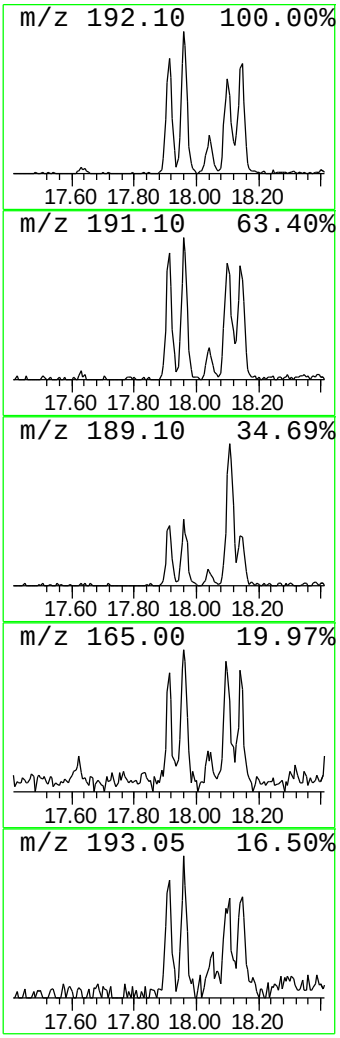
****

Peak Number 6 Anthracene, 9-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.91	5.46 ng	87757	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017548.D
Acq On : 8 Jun 2015 18:04
Operator : TP/IZ
Sample : G2555-05 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUSO-005

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

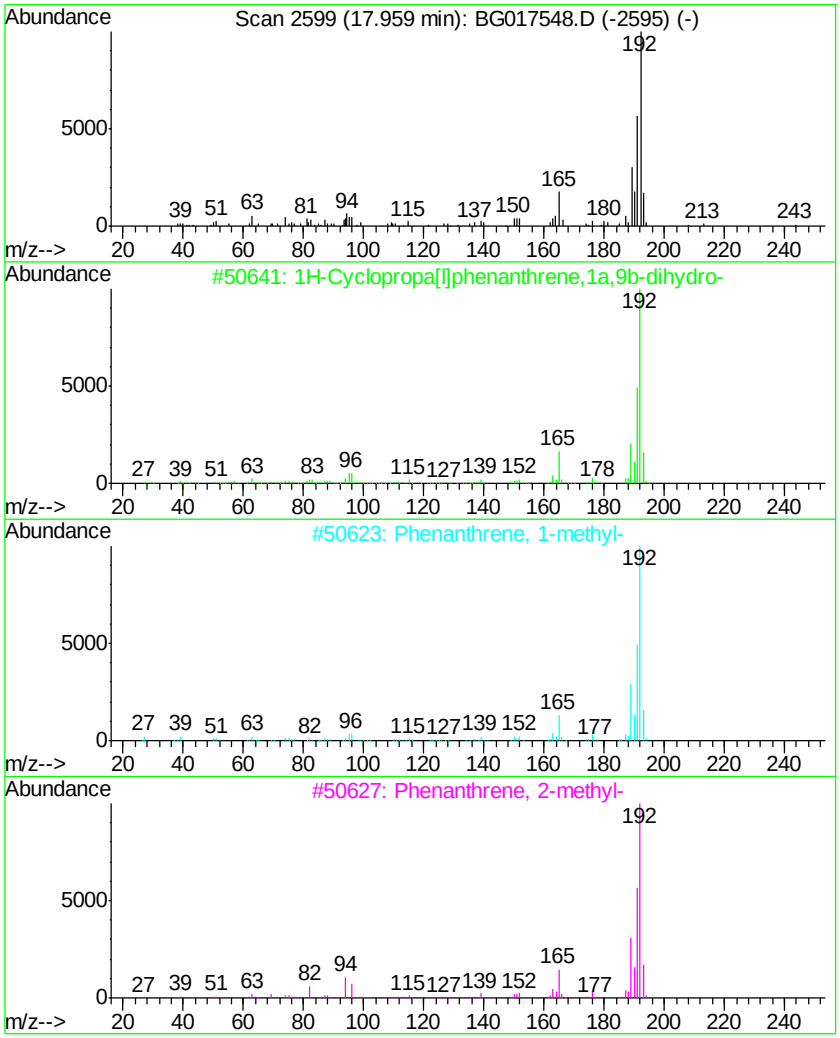
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

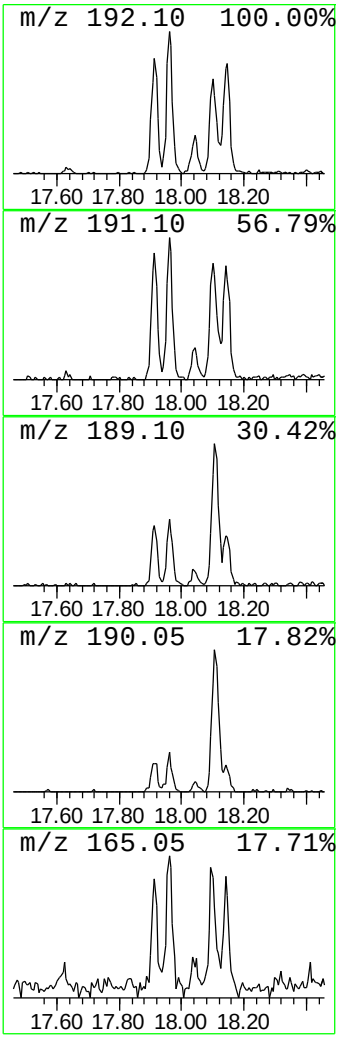
****

Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.96	6.44 ng	103496	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017548.D
Acq On : 8 Jun 2015 18:04
Operator : TP/IZ
Sample : G2555-05 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUSO-005

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

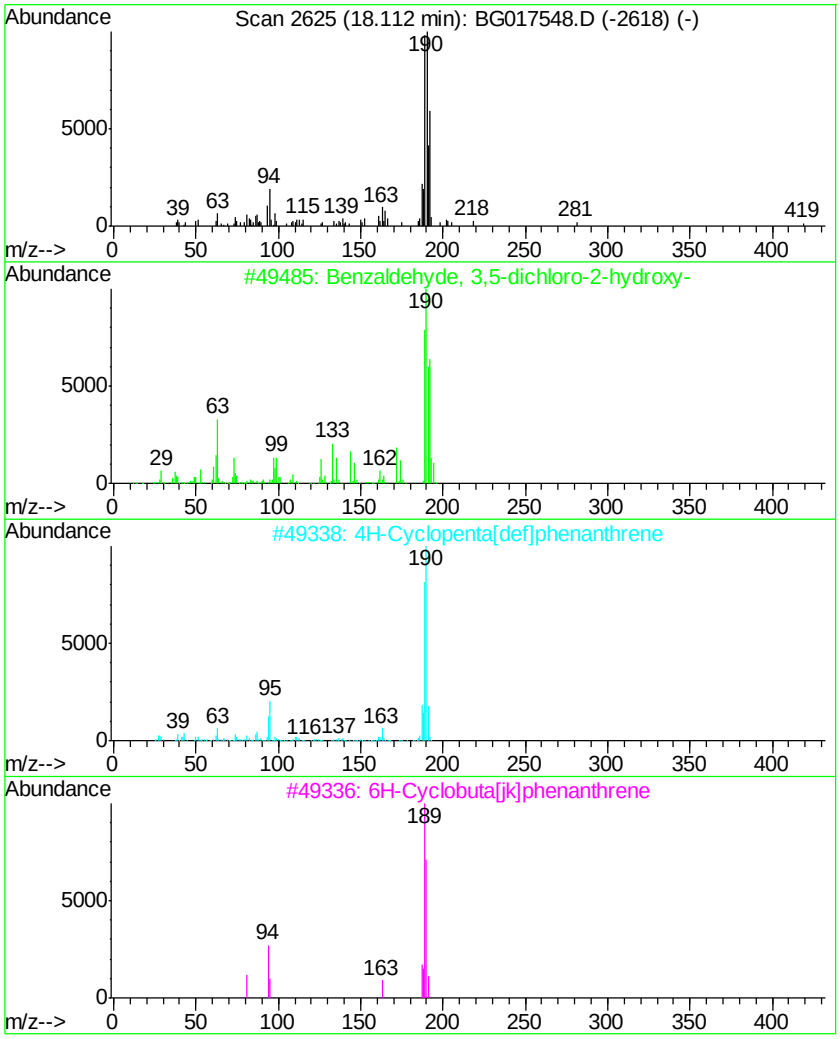
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

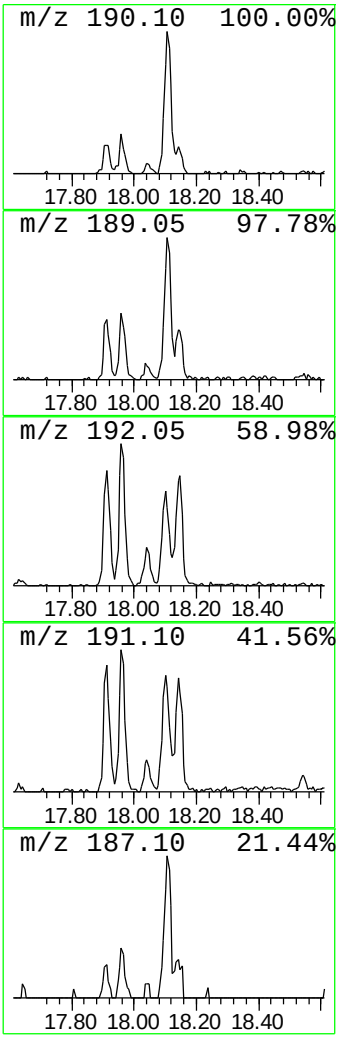
****

Peak Number 8 Benzaldehyde, 3,5-dichloro-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	8.57 ng	137682	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	80
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	46
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42





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Acq On : 8 Jun 2015 18:04
Operator : TP/IZ
Sample : G2555-05 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUSO-005

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

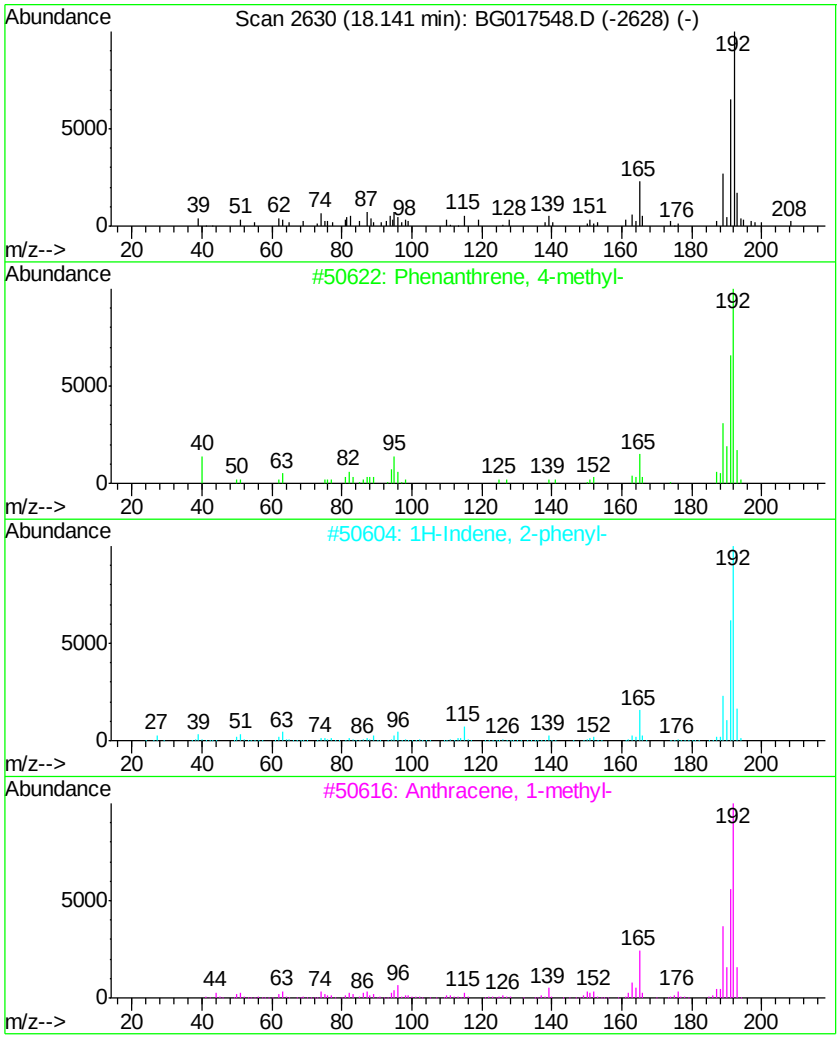
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

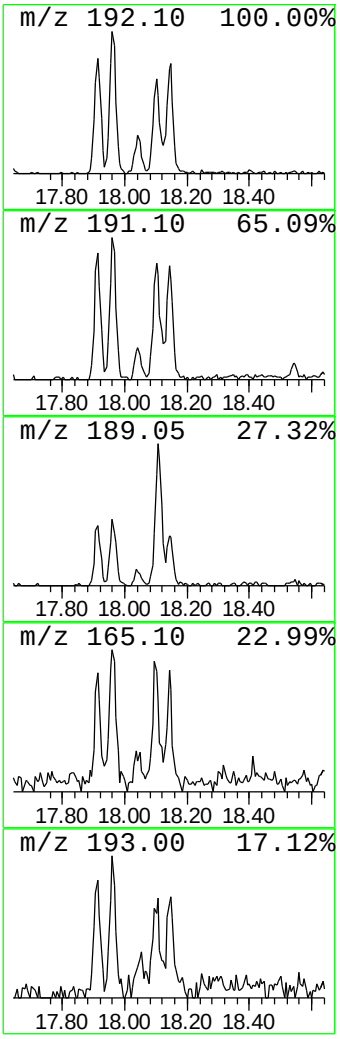
****

Peak Number 9 Phenanthrene, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	4.18 ng	67225	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	83
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	74
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	74
5	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	74





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Data File : BG017548.D
Acq On : 8 Jun 2015 18:04
Operator : TP/IZ
Sample : G2555-05 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUSO-005

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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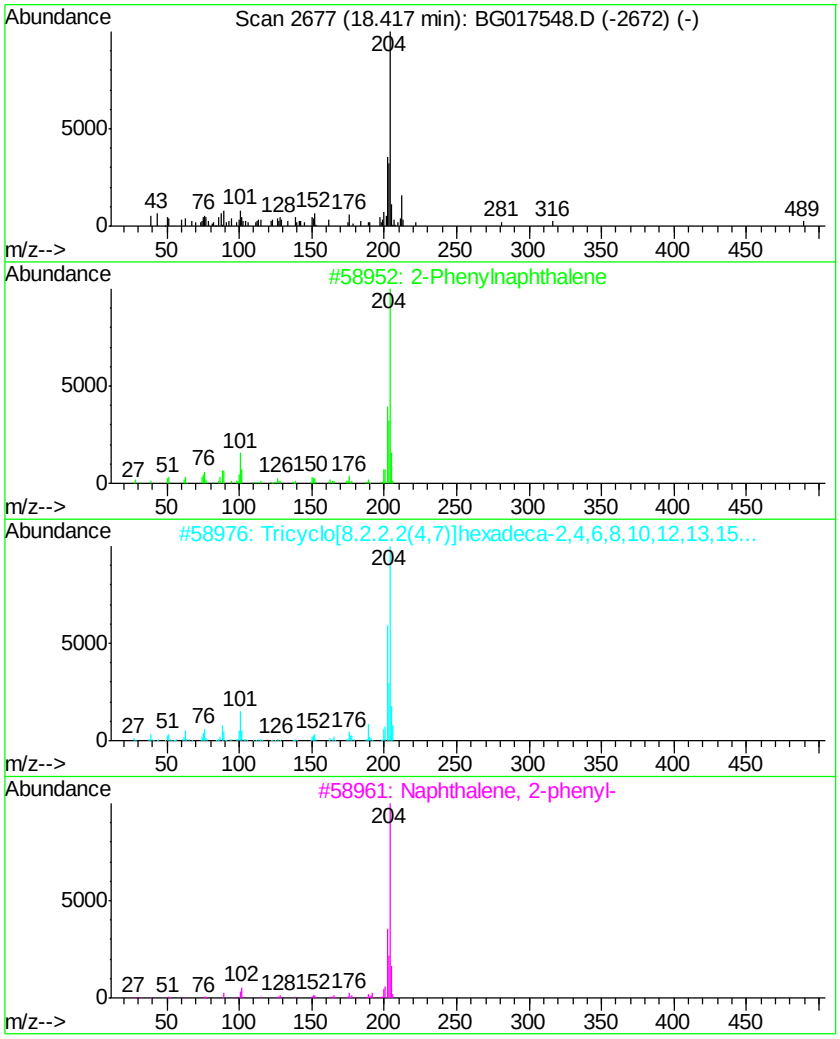
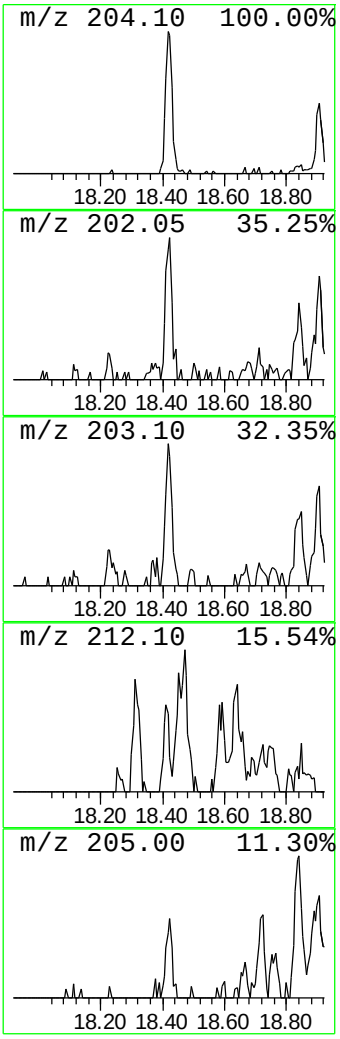
Peak Number 10 2-Phenylnaphthalene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	2.68 ng	43071	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	70
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	52
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	50
4	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	47
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47





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Data File : BG017548.D
Acq On : 8 Jun 2015 18:04
Operator : TP/IZ
Sample : G2555-05 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUSO-005

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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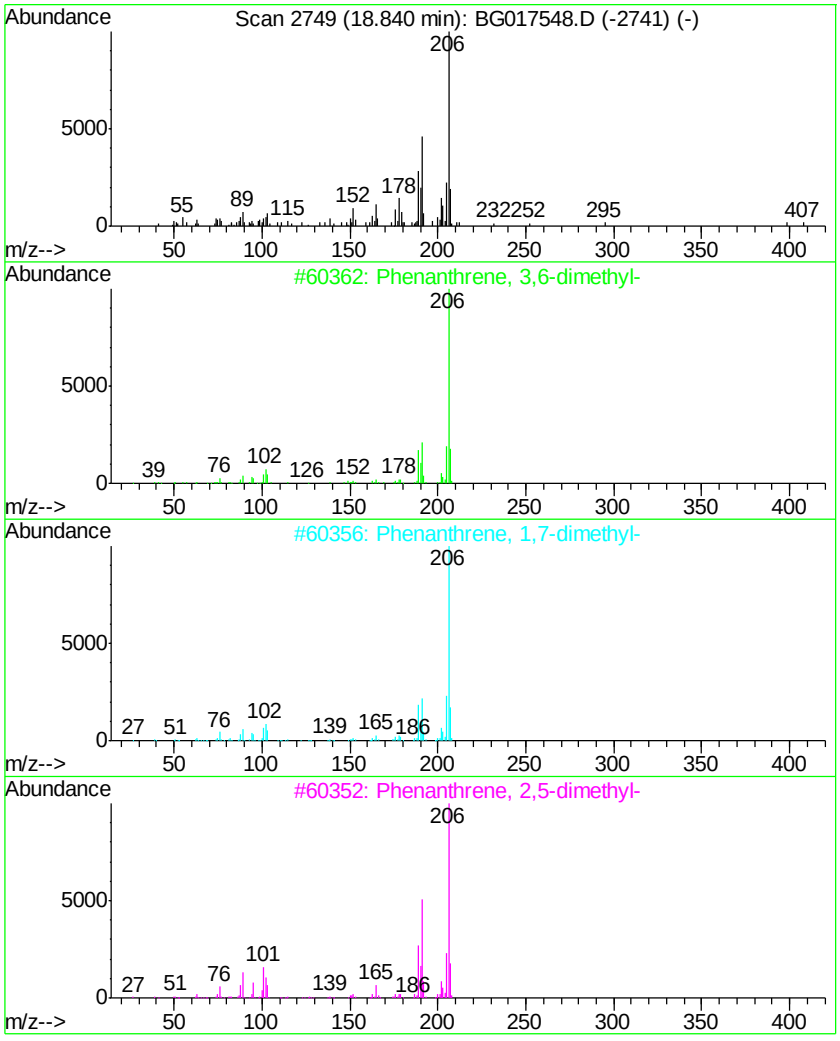
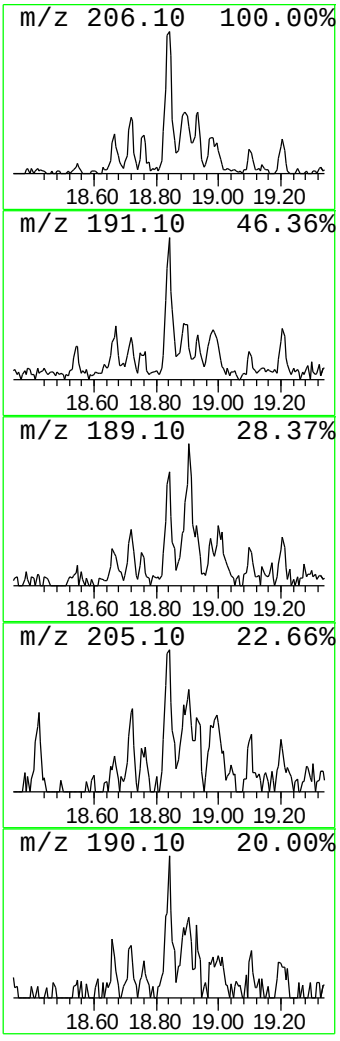
Peak Number 11 Phenanthrene, 3,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.84	5.31 ng	85404	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	87





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017548.D
Acq On : 8 Jun 2015 18:04
Operator : TP/IZ
Sample : G2555-05 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUSO-005

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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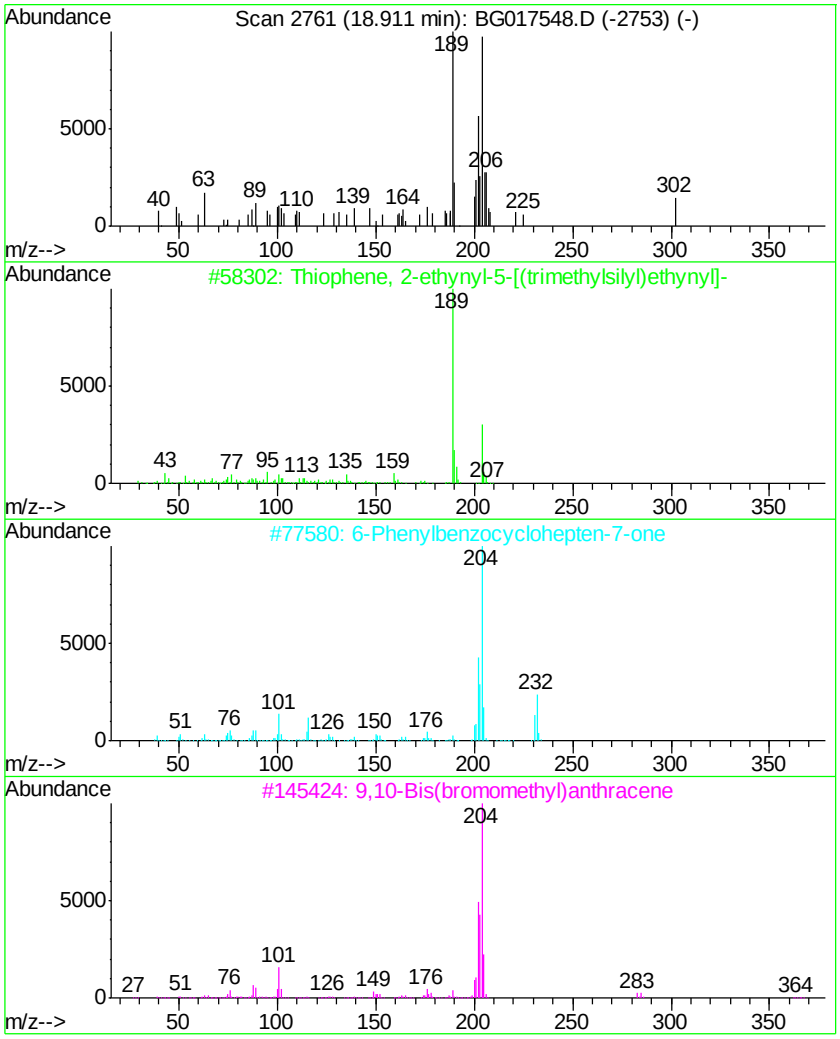
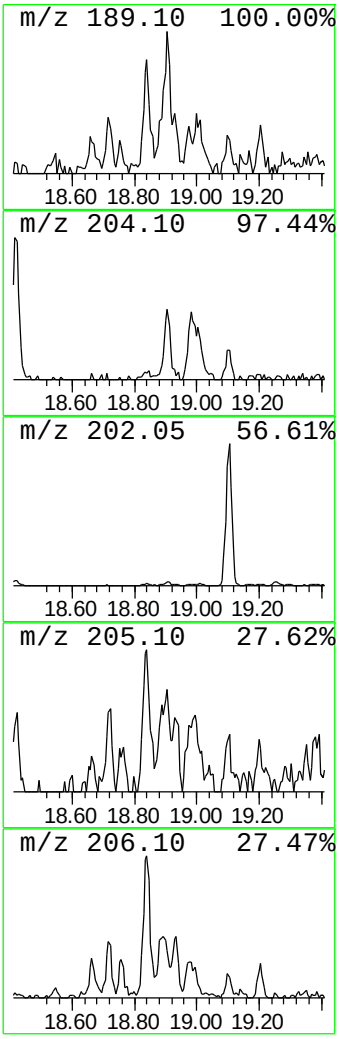
Peak Number 12 unknown18.91 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.91	3.09 ng	49613	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2-ethynyl-5-[(trimeth...	204	C11H12SSi	182323-29-1	43
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	38
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	37
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	32
5	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	30





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Acq On : 8 Jun 2015 18:04
Operator : TP/IZ
Sample : G2555-05 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUSO-005

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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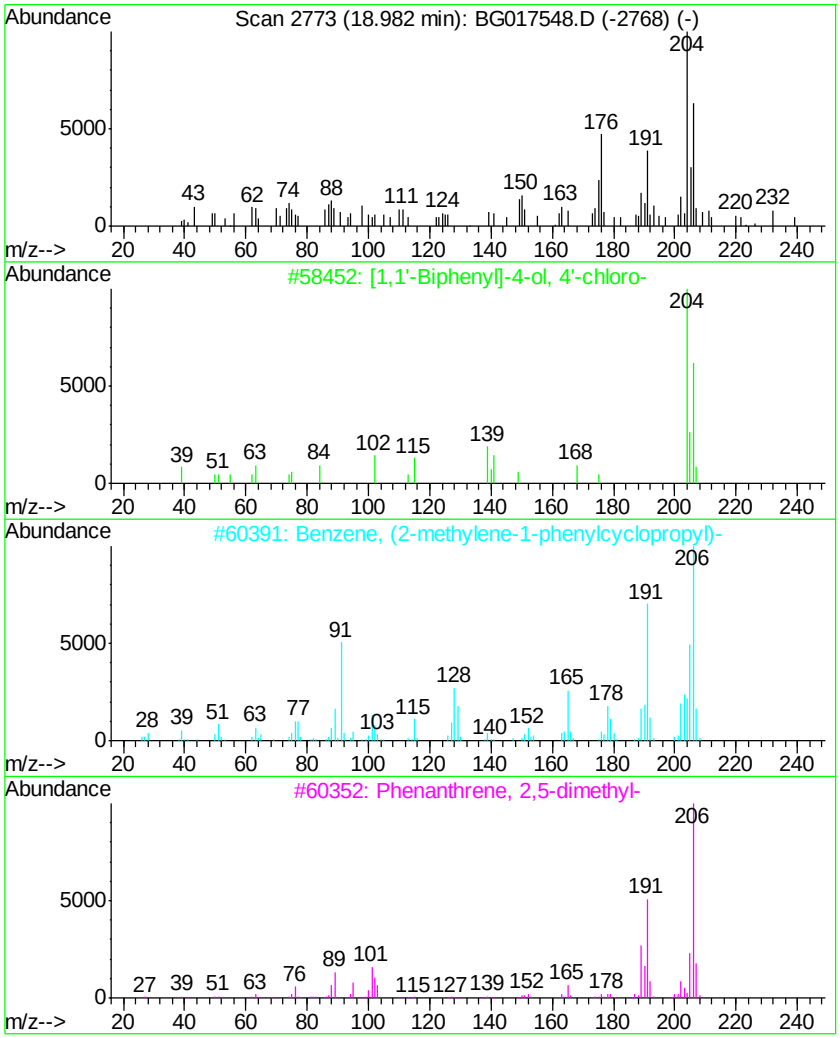
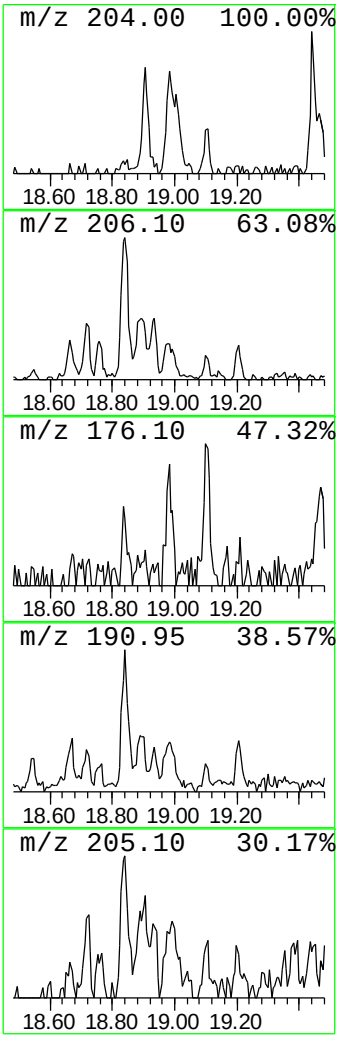
Peak Number 13 [1,1'-Biphenyl]-4-ol, 4'-ch... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.98	3.58 ng	57456	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	53
2	Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	35
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	35
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	35
5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	30





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Data File : BG017548.D
Acq On : 8 Jun 2015 18:04
Operator : TP/IZ
Sample : G2555-05 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUSO-005

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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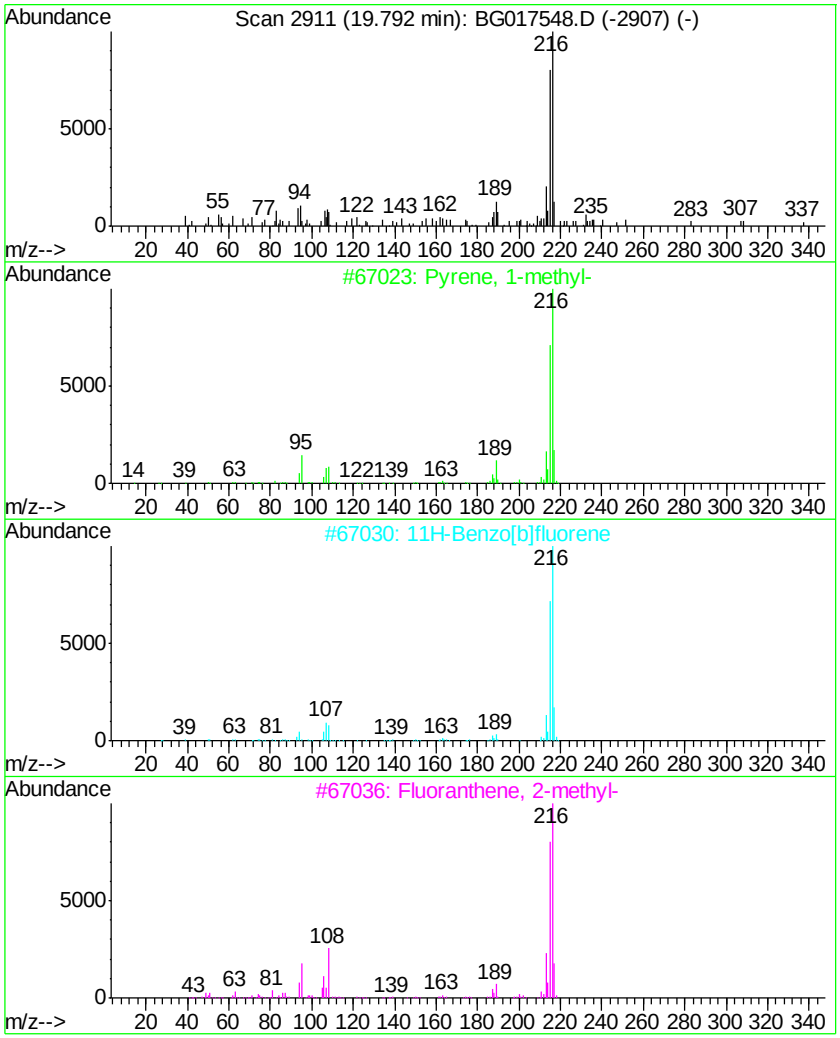
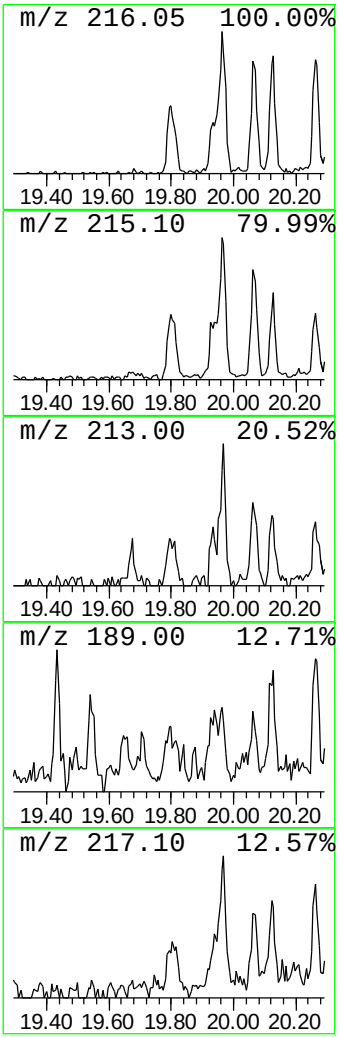
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.79	2.09 ng	58475	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	68





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017548.D
Acq On : 8 Jun 2015 18:04
Operator : TP/IZ
Sample : G2555-05 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUSO-005

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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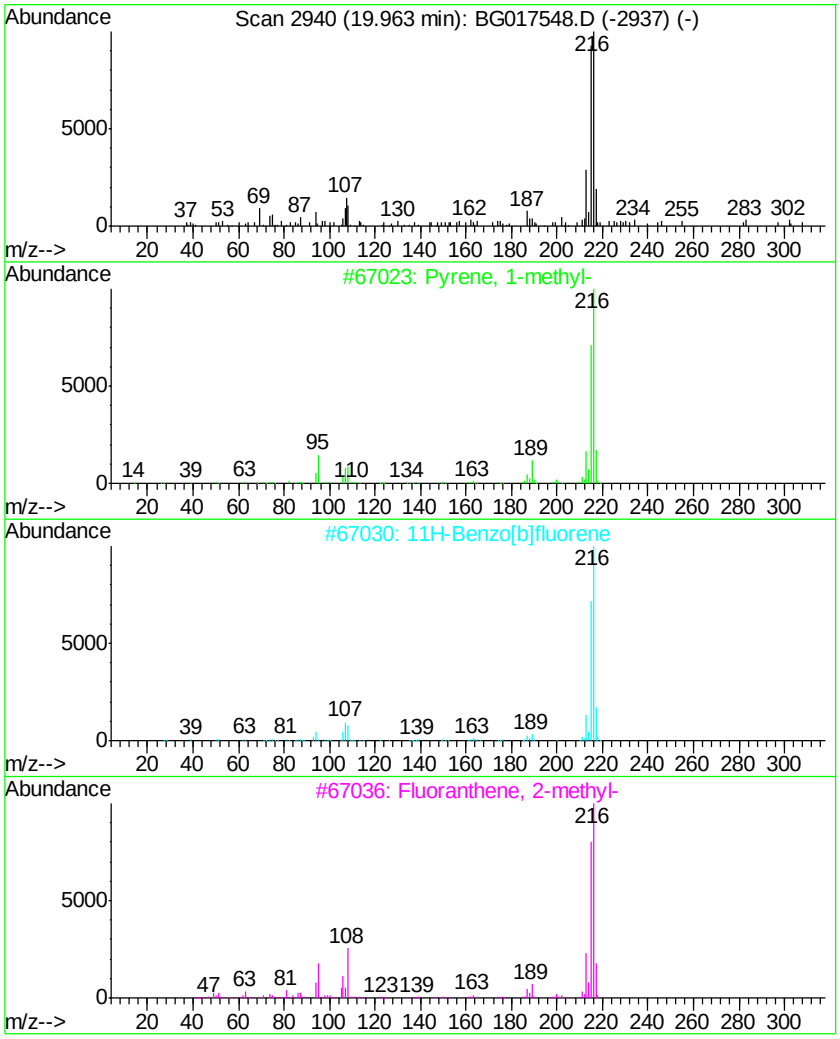
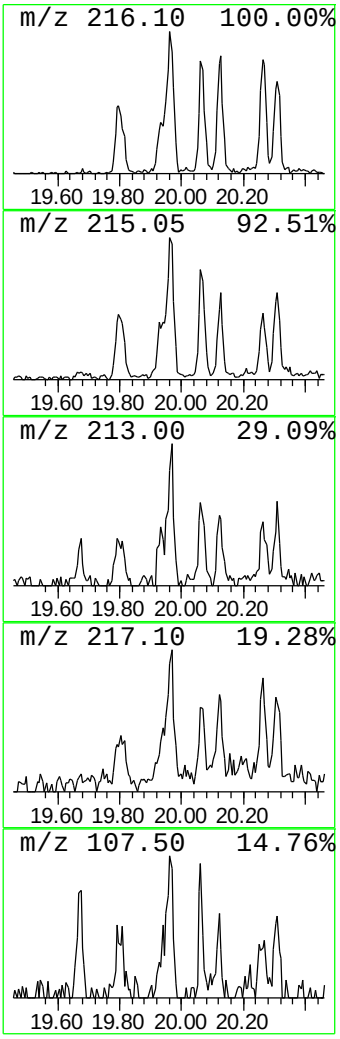
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.96	2.81 ng	78875	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	83
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017548.D
Acq On : 8 Jun 2015 18:04
Operator : TP/IZ
Sample : G2555-05 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUSO-005

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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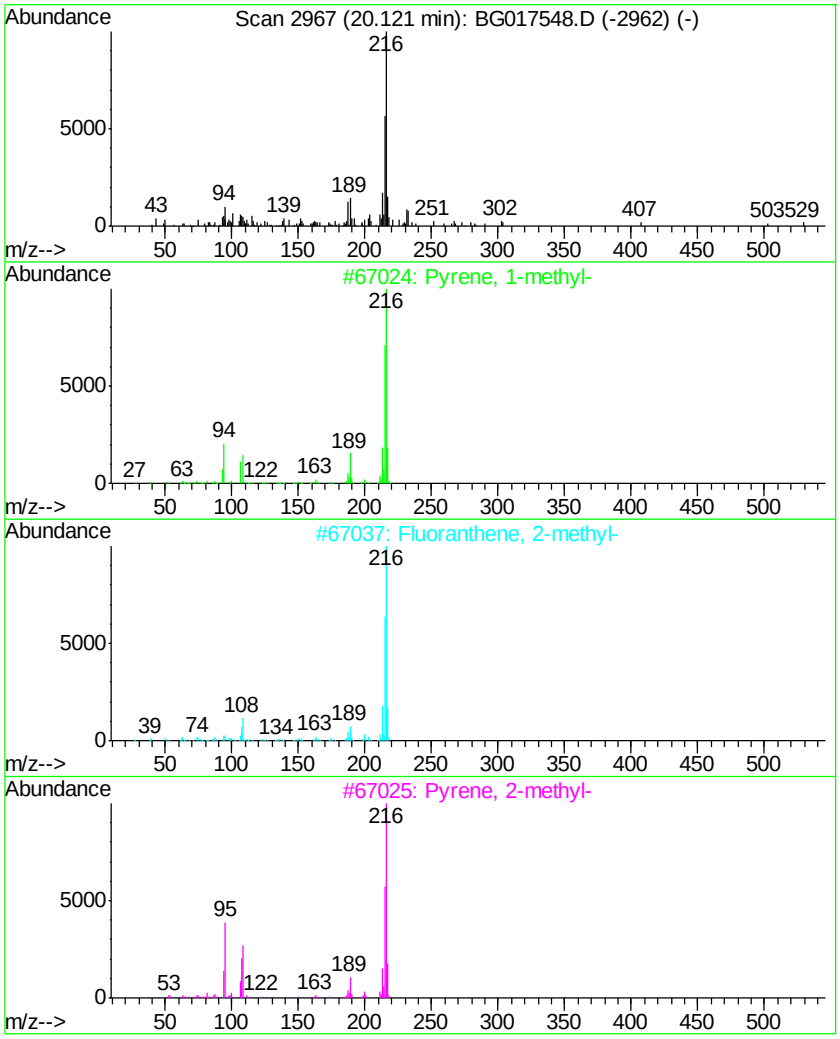
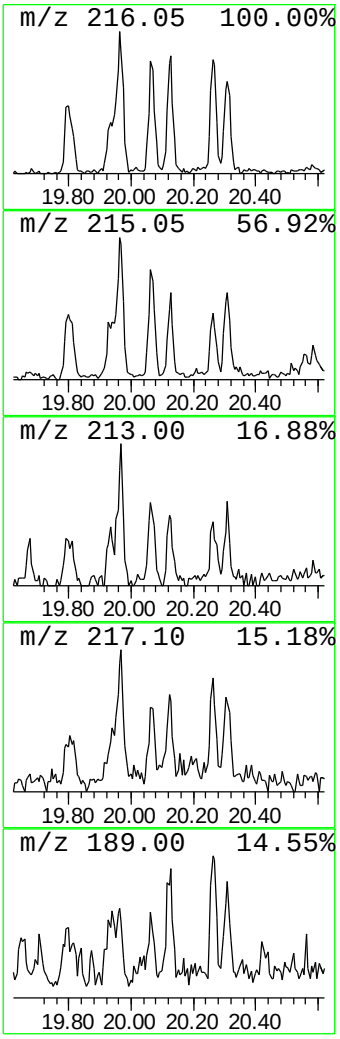
Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.12	2.46 ng	68913	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	86
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	68





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017548.D
Acq On : 8 Jun 2015 18:04
Operator : TP/IZ
Sample : G2555-05 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUSO-005

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	20.3	ng	140274	1	7.61	138285	20.0
Benzocycloheptatr...	12.31	2.2	ng	21119	2	10.40	188886	20.0
Naphthalene, 2,3-...	13.60	2.3	ng	31088	3	14.28	265252	20.0
Anthracene, 9-met...	17.91	5.5	ng	87757	4	17.04	321421	20.0
1H-Cyclopropa[l]p...	17.96	6.4	ng	103496	4	17.04	321421	20.0
Benzaldehyde, 3,5...	18.11	8.6	ng	137682	4	17.04	321421	20.0
Phenanthrene, 4-m...	18.14	4.2	ng	67225	4	17.04	321421	20.0
2-Phenylnaphthalene	18.42	2.7	ng	43071	4	17.04	321421	20.0
Phenanthrene, 3,6...	18.84	5.3	ng	85404	4	17.04	321421	20.0
unknown18.91	18.91	3.1	ng	49613	4	17.04	321421	20.0
[1,1'-Biphenyl]-4...	18.98	3.6	ng	57456	4	17.04	321421	20.0
Pyrene, 1-methyl-	19.79	2.1	ng	58475	5	21.23	560633	20.0
11H-Benzo[b]fluorene	19.96	2.8	ng	78875	5	21.23	560633	20.0
Fluoranthene, 2-m...	20.12	2.5	ng	68913	5	21.23	560633	20.0