LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\Data\BG060915\
Data File : BG017591.D
Acq On : 10 Jun 2015 3:15
Operator : TP/IZ
Sample : G2555-06 5X
Misc :
ALS Vial : 18 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	4.681	334	339	342	rVB3	11698	17036	2.27%	0.149%
2	5.168	414	422	433	rBV	112386	167513	22.33%	1.462%
3	6.784	690	697	706	rBV	114881	185253	24.70%	1.617%
4	7.113	748	753	761	rVB	120156	186567	24.87%	1.628%
5	7.571	823	831	837	rBV	93145	141626	18.88%	1.236%
6	7.889	874	885	891	rBV	91628	147419	19.65%	1.286%
7	8.735	1021	1029	1040	rBV	69685	121074	16.14%	1.057%
8	10.362	1300	1306	1312	rBV	107740	184212	24.56%	1.608%
9	10.415	1312	1315	1320	rVB2	18493	29894	3.99%	0.261%
10	12.043	1583	1592	1598	rBV	58490	86323	11.51%	0.753%
11	12.266	1623	1630	1637	rBV	60482	91414	12.19%	0.798%
12	12.859	1725	1731	1737	rBV	169729	242550	32.33%	2.117%
13	13.071	1762	1767	1772	rVB4	12225	18563	2.47%	0.162%
14	13.406	1818	1824	1825	rBV	25735	38054	5.07%	0.332%
15	13.558	1844	1850	1855	rBV2	56933	99461	13.26%	0.868%
16	13.617	1855	1860	1864	rVV	36799	58557	7.81%	0.511%
17	13.705	1871	1875	1884	rVB3	14833	23645	3.15%	0.206%
18	13.799	1884	1891	1894	rBV2	30554	45229	6.03%	0.395%
19	13.964	1912	1919	1926	rBV3	34852	56240	7.50%	0.491%
20	14.246	1957	1967	1973	rBV2	167628	258678	34.48%	2.257%
21	14.311	1973	1978	1981	rBV2	20597	30091	4.01%	0.263%
22	14.463	1998	2004	2012	rVB4	9769	24030	3.20%	0.210%
23	14.645	2029	2035	2040	rVB6	28555	44183	5.89%	0.386%
24	14.728	2044	2049	2053	rVB	25450	33624	4.48%	0.293%
25	14.869	2066	2073	2078	rBV4	24446	41293	5.50%	0.360%
26	14.916	2078	2081	2087	rVB2	16818	26056	3.47%	0.227%
27	15.021	2093	2099	2100	rBV3	17310	21169	2.82%	0.185%
28	15.068	2105	2107	2112	rVV3	15884	23066	3.07%	0.201%
29	15.204	2122	2130	2133	rBV5	11274	25348	3.38%	0.221%
30	15.298	2140	2146	2151	rVV2	86967	127971	17.06%	1.117%
31	15.392	2157	2162	2165	rVV5	8682	16398	2.19%	0.143%
32	15.427	2165	2168	2171	rVV4	16137	24178	3.22%	0.211%
33	15.456	2171	2173	2178	rVV6	15328	21833	2.91%	0.191%
34	15.515	2178	2183	2187	rVV5	13079	25346	3.38%	0.221%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\Data\BG060915\
Data File : BG017591.D
Acq On : 10 Jun 2015 3:15
Operator : TP/IZ
Sample : G2555-06 5X
Misc :
ALS Vial : 18 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	15.591	2191	2196	2205	rVB5	16564	35974	4.80%	0.314%
36	15.744	2217	2222	2229	rVV2	164794	242351	32.31%	2.115%
37	15.973	2255	2261	2268	rBV7	18485	37307	4.97%	0.326%
38	16.302	2308	2317	2322	rBV5	40006	90782	12.10%	0.792%
39	16.355	2322	2326	2331	rVV	34354	53326	7.11%	0.465%
40	16.455	2338	2343	2348	rVV3	26612	39748	5.30%	0.347%
41	16.537	2354	2357	2360	rVV4	13460	22824	3.04%	0.199%
42	16.573	2360	2363	2370	rVV7	14652	29557	3.94%	0.258%
43	16.661	2373	2378	2382	rVV7	13992	25275	3.37%	0.221%
44	16.737	2384	2391	2399	rVV8	11342	34795	4.64%	0.304%
45	16.813	2399	2404	2414	rVB	40681	72578	9.68%	0.633%
46	16.996	2429	2435	2439	rBV	208604	301681	40.22%	2.633%
47	17.043	2439	2443	2449	rVB	411386	543488	72.45%	4.743%
48	17.131	2454	2458	2463	rVB	48638	66002	8.80%	0.576%
49	17.189	2463	2468	2474	rBV5	19499	40018	5.33%	0.349%
50	17.413	2500	2506	2508	rBV2	16445	23684	3.16%	0.207%
51	17.519	2521	2524	2528	rVB3	15847	17506	2.33%	0.153%
52	17.577	2531	2534	2542	rVB2	41226	60899	8.12%	0.531%
53	17.724	2554	2559	2566	rBV2	24724	44437	5.92%	0.388%
54	17.877	2579	2585	2589	rBV	131648	201873	26.91%	1.762%
55	17.924	2589	2593	2598	rVB	167671	226129	30.14%	1.973%
56	18.006	2601	2607	2611	rBV	37752	53384	7.12%	0.466%
57	18.065	2611	2617	2621	rVV2	159540	280374	37.38%	2.447%
58	18.106	2621	2624	2631	rVB	121224	160897	21.45%	1.404%
59	18.282	2649	2654	2656	rBV4	13593	19168	2.56%	0.167%
60	18.382	2666	2671	2675	rVV	65780	92944	12.39%	0.811%
61	18.429	2675	2679	2683	rVB4	20554	32117	4.28%	0.280%
62	18.600	2705	2708	2711	rBV4	16501	30332	4.04%	0.265%
63	18.629	2711	2713	2717	rVV3	36041	42700	5.69%	0.373%
64	18.682	2718	2722	2725	rVV2	42791	60426	8.06%	0.527%
65	18.723	2725	2729	2732	rVB4	24442	33547	4.47%	0.293%
66	18.805	2737	2743	2748	rBV2	95949	165397	22.05%	1.443%
67	18.864	2748	2753	2756	rVV5	50868	105539	14.07%	0.921%
68	18.893	2756	2758	2762	rVB	34909	37968	5.06%	0.331%
69	18.940	2762	2766	2777	rBV6	45970	128978	17.19%	1.126%
70	19.070	2783	2788	2794	rBV	396612	509643	67.94%	4.448%
71	19.134	2795	2799	2802	rVV2	24860	35268	4.70%	0.308%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\Data\BG060915\
Data File : BG017591.D
Acq On : 10 Jun 2015 3:15
Operator : TP/IZ
Sample : G2555-06 5X
Misc :
ALS Vial : 18 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	19.164	2802	2804	2808	rVB4	31468	39837	5.31%	0.348%
73	19.269	2817	2822	2825	rBV6	15011	25753	3.43%	0.225%
74	19.311	2826	2829	2833	rVV4	22576	30767	4.10%	0.268%
75	19.434	2841	2850	2859	rBV	459892	750138	100.00%	6.546%
76	19.510	2859	2863	2868	rVB4	37794	61198	8.16%	0.534%
77	19.640	2880	2885	2888	rBV	301375	361661	48.21%	3.156%
78	19.669	2888	2890	2896	rVB5	30468	43588	5.81%	0.380%
79	19.763	2901	2906	2914	rBV4	58989	136914	18.25%	1.195%
80	19.927	2930	2934	2939	rVB	112999	178483	23.79%	1.558%
81	20.033	2948	2952	2956	rVB	82013	104787	13.97%	0.914%
82	20.086	2957	2961	2967	rVV	83793	115233	15.36%	1.006%
83	20.227	2981	2985	2989	rBV	79760	102835	13.71%	0.897%
84	20.274	2989	2993	2997	rVV	82588	101291	13.50%	0.884%
85	20.392	3010	3013	3017	rVB5	21438	27105	3.61%	0.237%
86	20.815	3083	3085	3087	rBV3	25245	28541	3.80%	0.249%
87	20.844	3087	3090	3093	rVV	59876	75268	10.03%	0.657%
88	20.879	3093	3096	3100	rVV	46569	54771	7.30%	0.478%
89	20.920	3100	3103	3107	rVV2	34123	54199	7.23%	0.473%
90	21.191	3143	3149	3153	rBV2	359480	717999	95.72%	6.266%
91	21.232	3153	3156	3166	rVB	261114	331100	44.14%	2.889%
92	21.349	3174	3176	3181	rBV4	30964	33173	4.42%	0.289%
93	21.684	3231	3233	3236	rBV	28690	21258	2.83%	0.186%
94	21.737	3240	3242	3247	rVV	91365	115785	15.44%	1.010%
95	21.790	3249	3251	3257	rVB	64660	71184	9.49%	0.621%
96	21.931	3272	3275	3278	rBV2	62644	75956	10.13%	0.663%
97	22.748	3409	3414	3425	rVB2	125829	379483	50.59%	3.312%
98	23.218	3491	3494	3503	rVB	87638	146494	19.53%	1.278%
99	23.318	3506	3511	3518	rVB	152179	272083	36.27%	2.374%
100	23.412	3522	3527	3533	rBV2	179871	319342	42.57%	2.787%

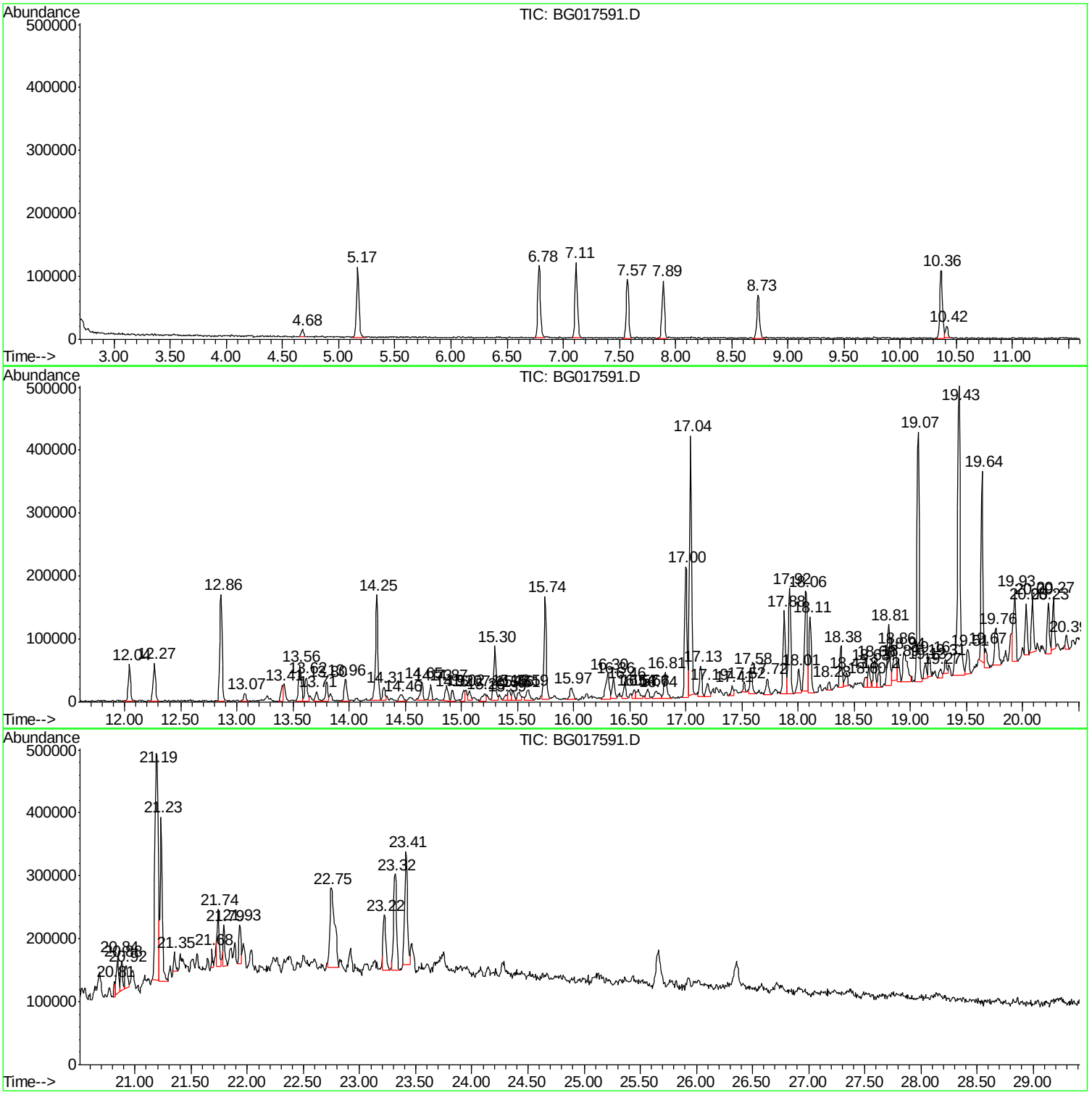
Sum of corrected areas: 11459036

Data Path : Z:\HPCHEM1\BNA_G\Data\BG060915\
Data File : BG017591.D
Acq On : 10 Jun 2015 3:15
Operator : TP/IZ
Sample : G2555-06 5X
Misc :
ALS Vial : 18 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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\Data\BG060915\
Data File : BG017591.D
Acq On : 10 Jun 2015 3:15
Operator : TP/IZ
Sample : G2555-06 5X
Misc :
ALS Vial : 18 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

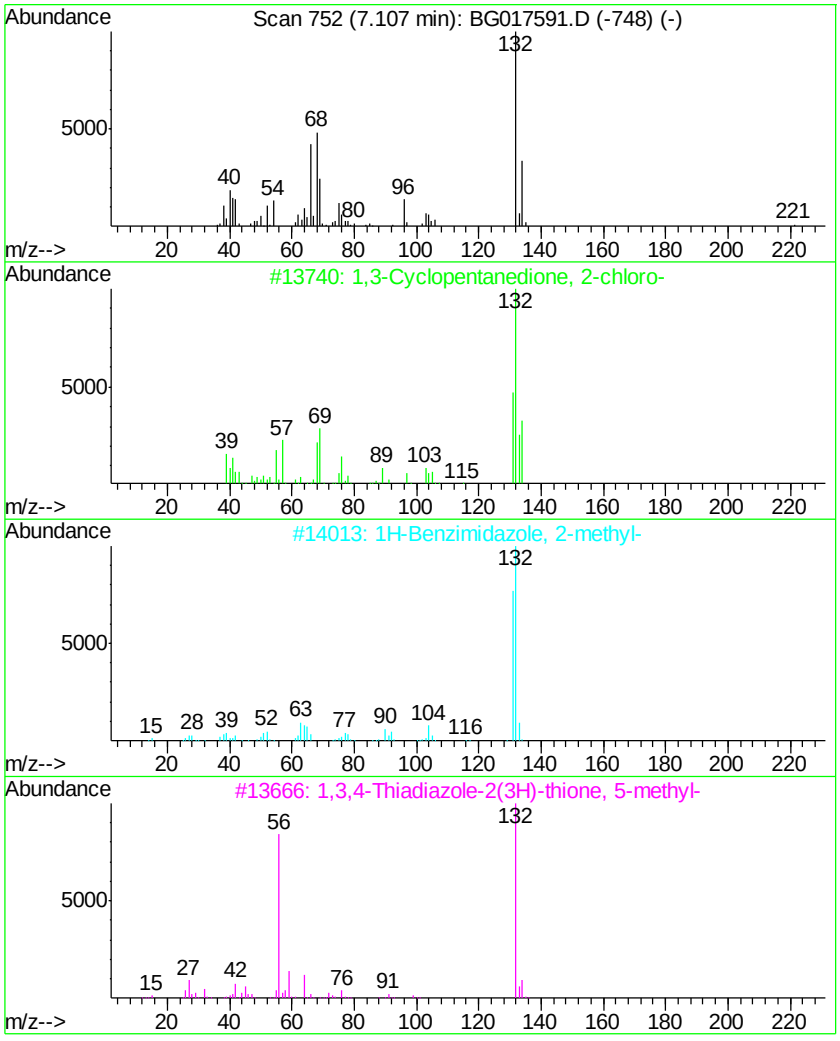
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

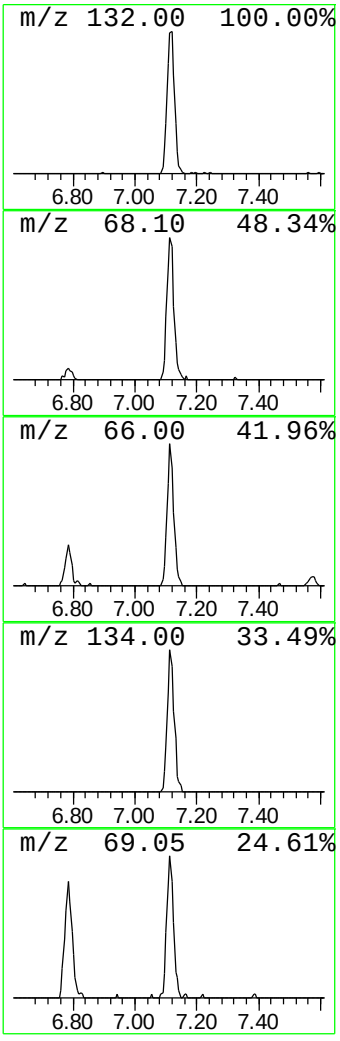
****

Peak Number 1 1,3-Cyclopentanedione, 2-ch... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.11	26.35 ng	186567	1,4-Dichlorobenzene-d4	7.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	25
2	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	14
3	1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	14
4	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	10
5	3H-1,2-Dithiol-3-one, 5-methyl-	132	C4H4OS2	003620-08-4	10





Data Path : Z:\HPCHEM1\BNA_G\Data\BG060915\
Data File : BG017591.D
Acq On : 10 Jun 2015 3:15
Operator : TP/IZ
Sample : G2555-06 5X
Misc :
ALS Vial : 18 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

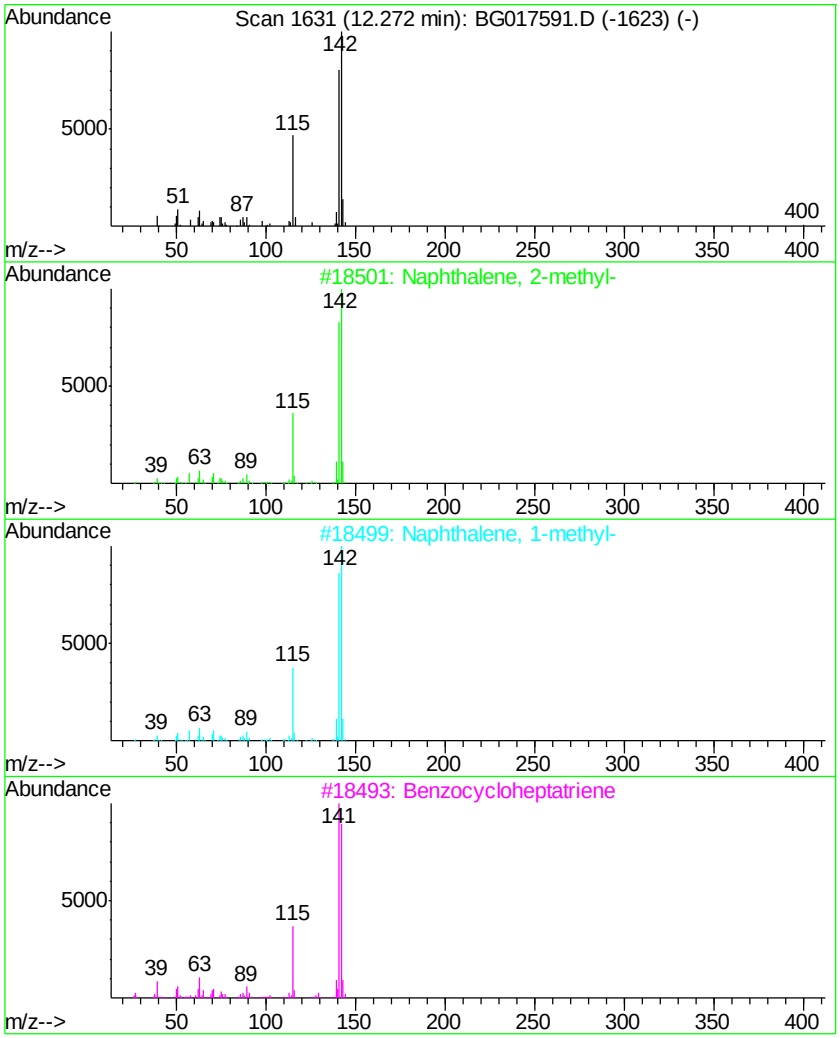
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

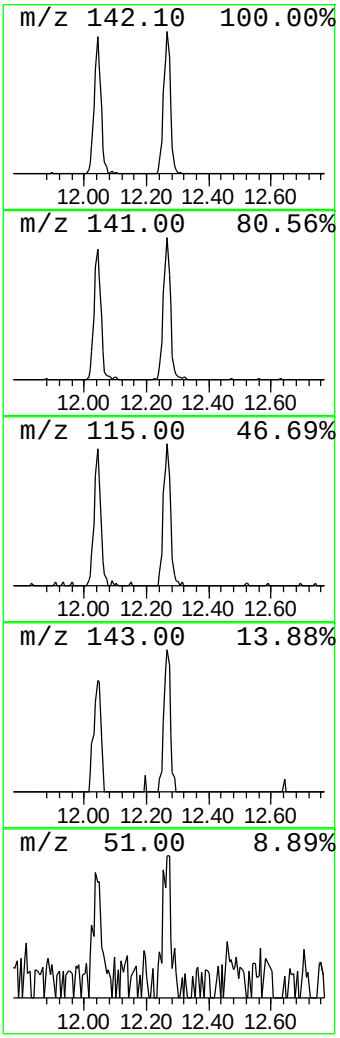
****

Peak Number 3 Naphthalene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	9.92 ng	91414	Naphthalene-d8	10.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	90
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	90
3	Benzocycloheptatriene	142	C11H10	000264-09-5	87
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	86
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	78





Data Path : Z:\HPCHEM1\BNA_G\Data\BG060915\
Data File : BG017591.D
Acq On : 10 Jun 2015 3:15
Operator : TP/IZ
Sample : G2555-06 5X
Misc :
ALS Vial : 18 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

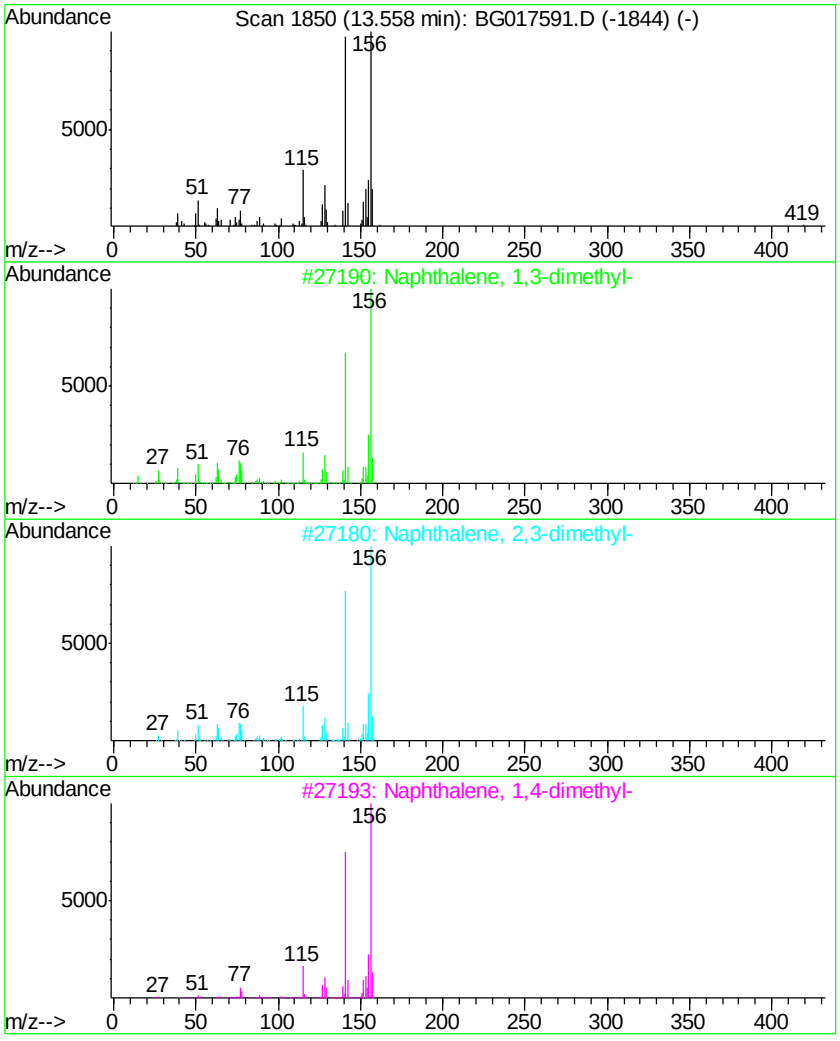
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

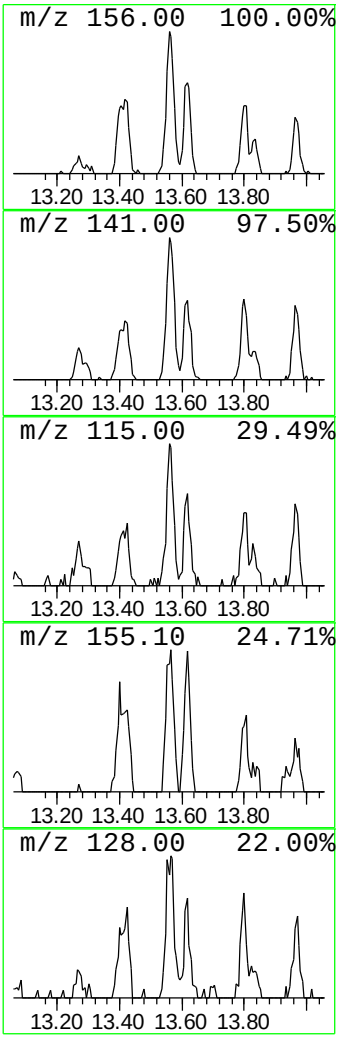
****

Peak Number 4 Naphthalene, 1,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.56	7.69 ng	99461	Acenaphthene-d10	14.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	91
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	91
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	91
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	91
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	87





Data Path : Z:\HPCHEM1\BNA_G\Data\BG060915\
Data File : BG017591.D
Acq On : 10 Jun 2015 3:15
Operator : TP/IZ
Sample : G2555-06 5X
Misc :
ALS Vial : 18 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

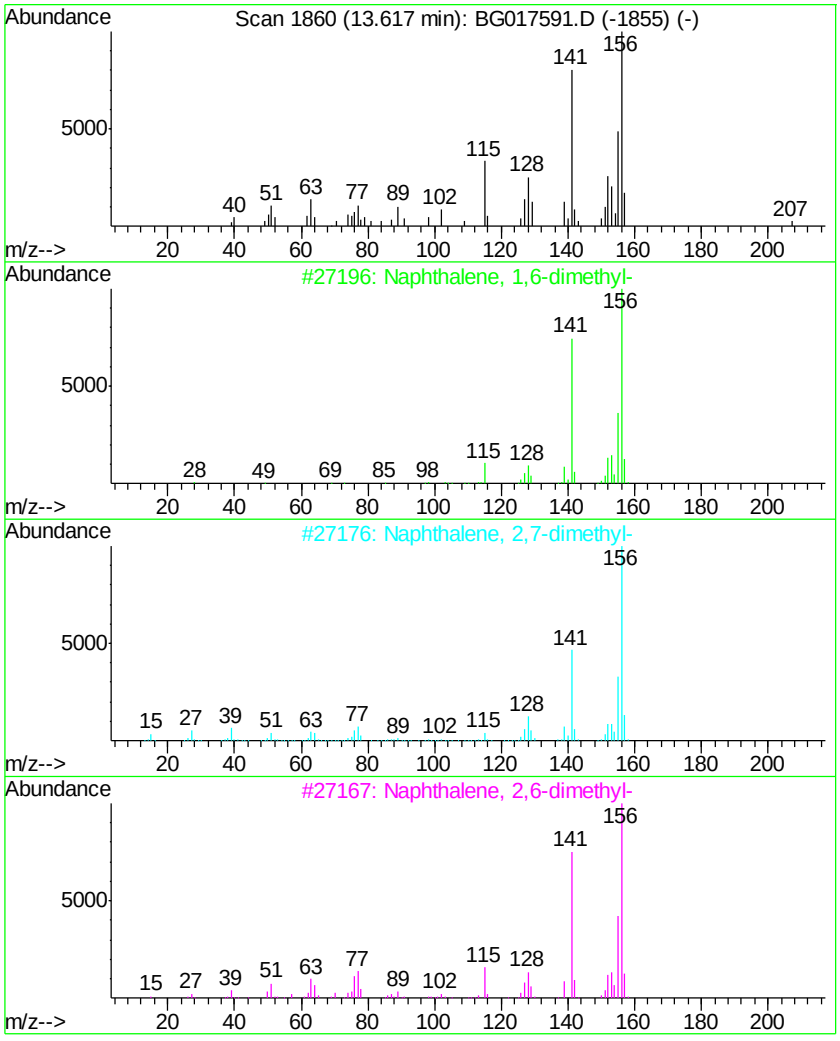
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

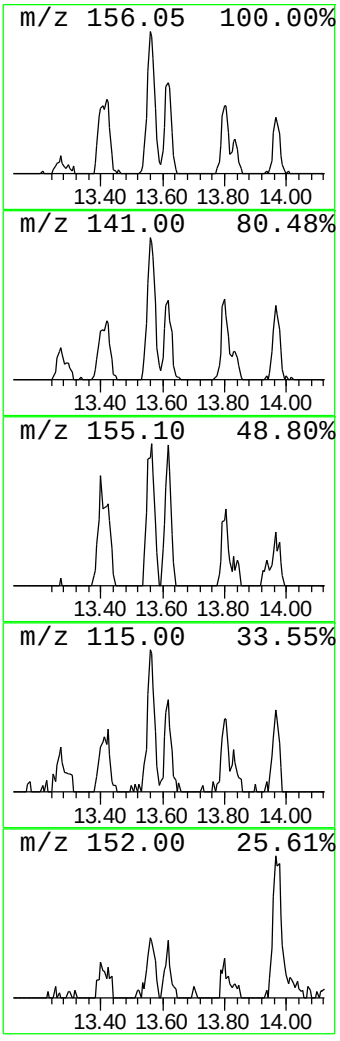
****

Peak Number 5 Naphthalene, 1,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.62	4.53 ng	58557	Acenaphthene-d10	14.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	93
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	90
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	87
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	76
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	76





Data Path : Z:\HPCHEM1\BNA_G\Data\BG060915\
Data File : BG017591.D
Acq On : 10 Jun 2015 3:15
Operator : TP/IZ
Sample : G2555-06 5X
Misc :
ALS Vial : 18 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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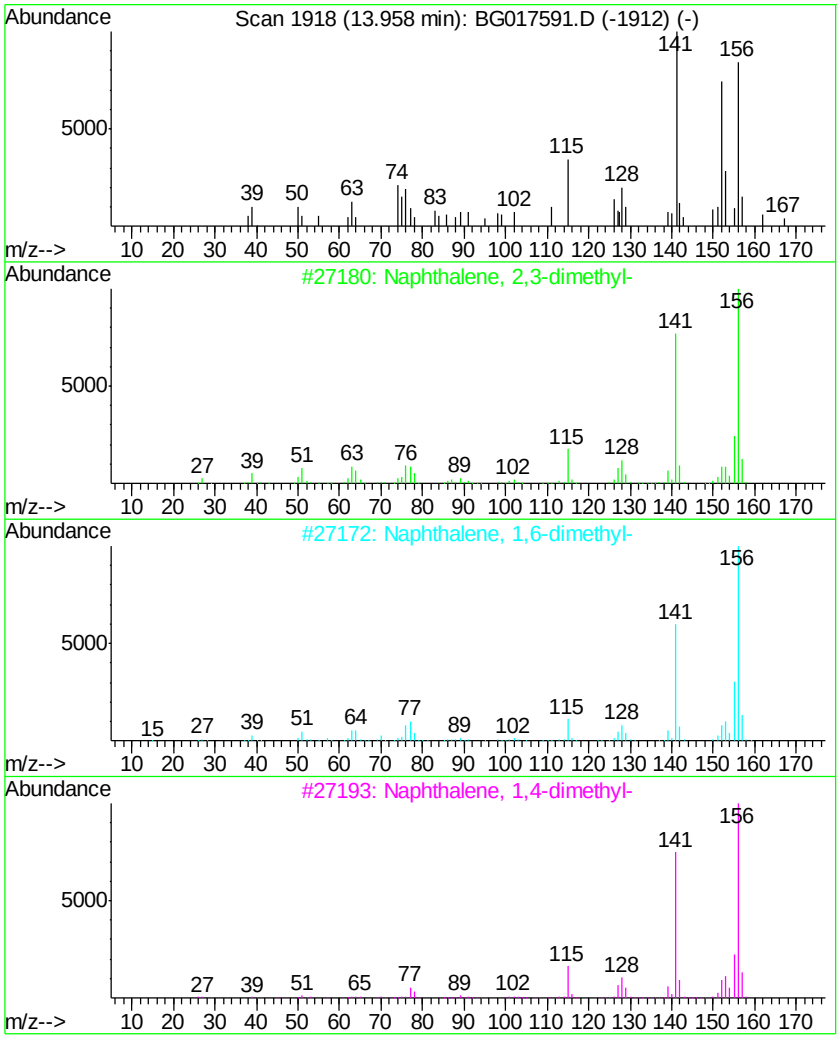
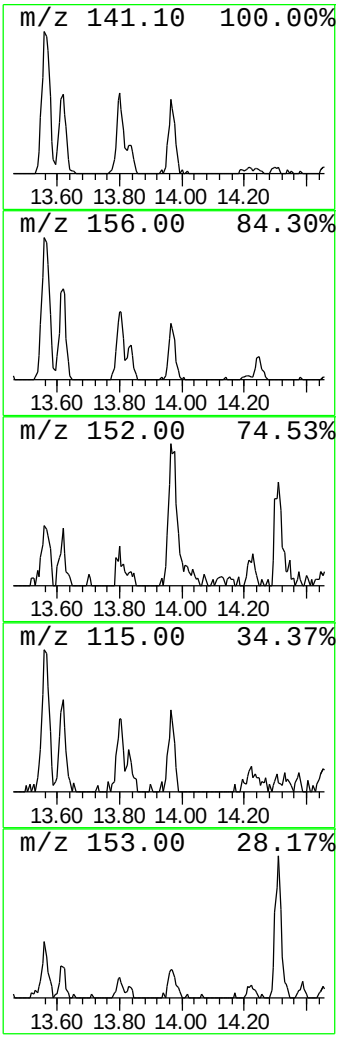
Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.96	4.35 ng	56240	Acenaphthene-d10	14.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	89
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	86
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	86
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	86
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	83





Library Search Compound Report

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Operator : TP/IZ
Sample : G2555-06 5X
Misc :
ALS Vial : 18 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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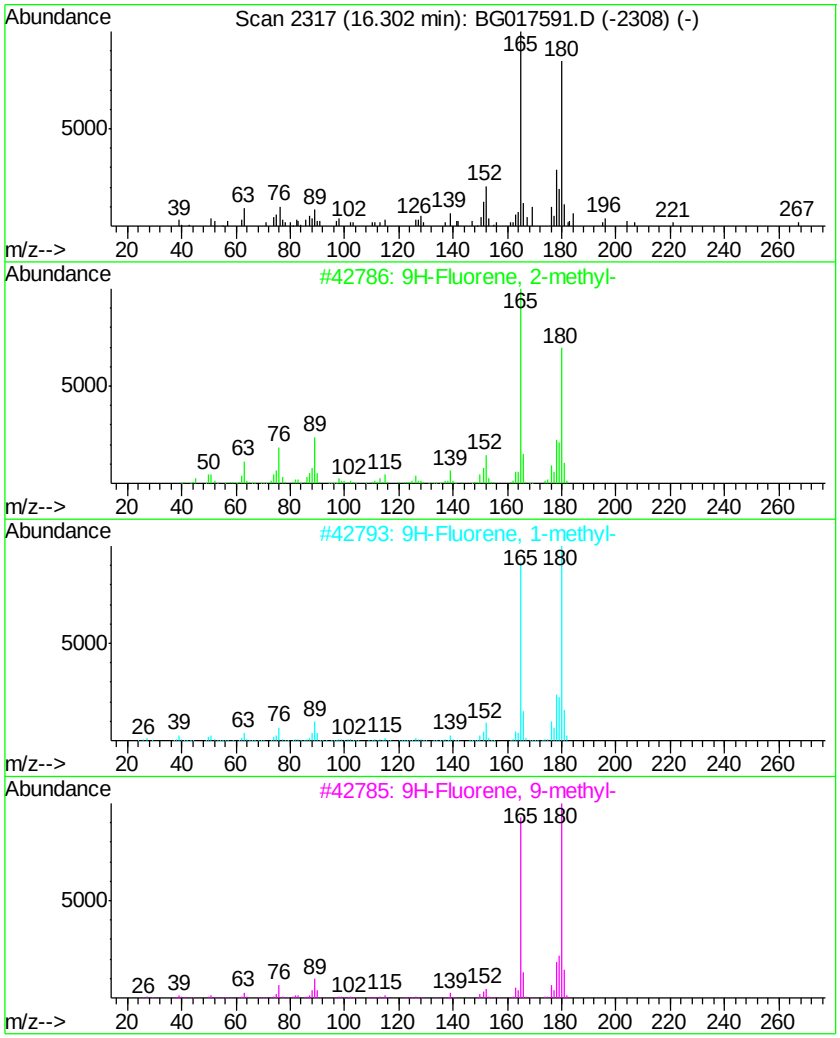
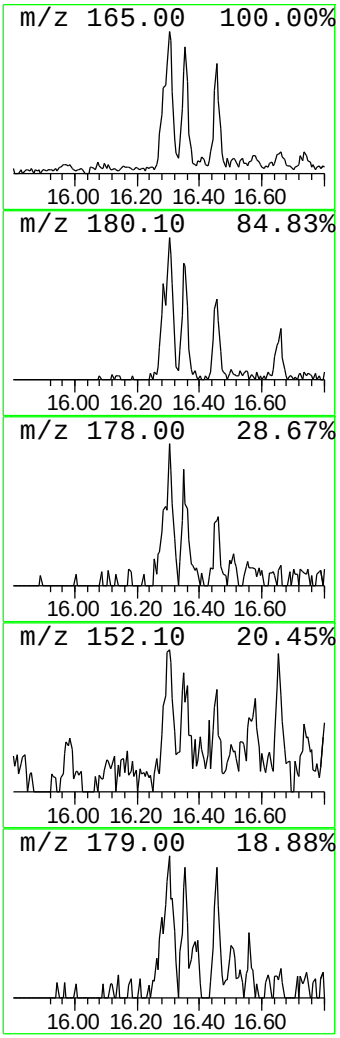
Peak Number 7 9H-Fluorene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.30	6.02 ng	90782	Phenanthrene-d10	17.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	92
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	92
5	3H-Benz[e]indene, 2-methyl-	180	C14H12	150096-60-9	89





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Sample : G2555-06 5X
Misc :
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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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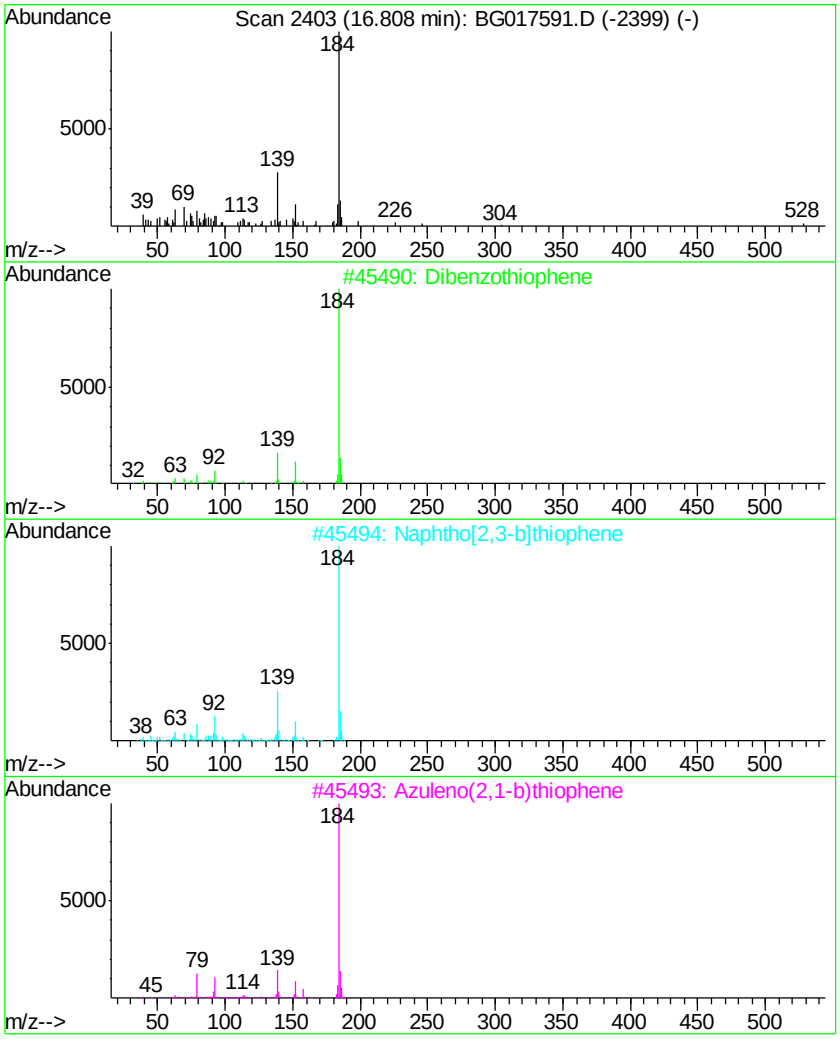
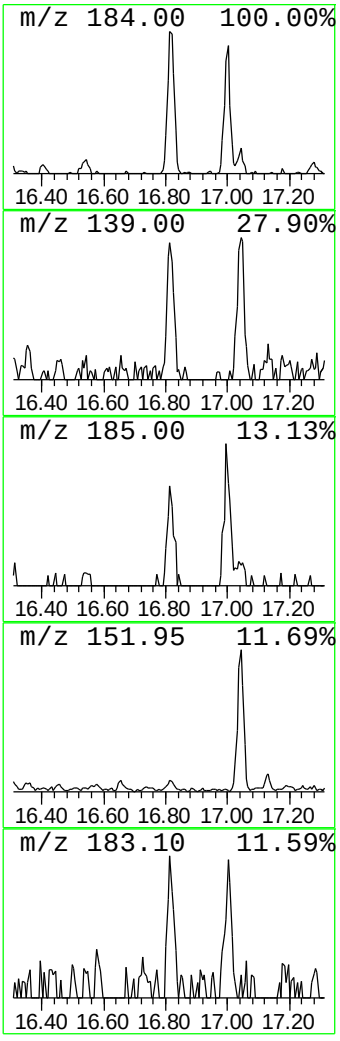
Peak Number 8 Dibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.81	4.81 ng	72578	Phenanthrene-d10	17.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	90
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	87
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	86
4	Dibenzothiophene, 5-oxide	200	C12H8OS	001013-23-6	72
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	59





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Sample : G2555-06 5X
Misc :
ALS Vial : 18 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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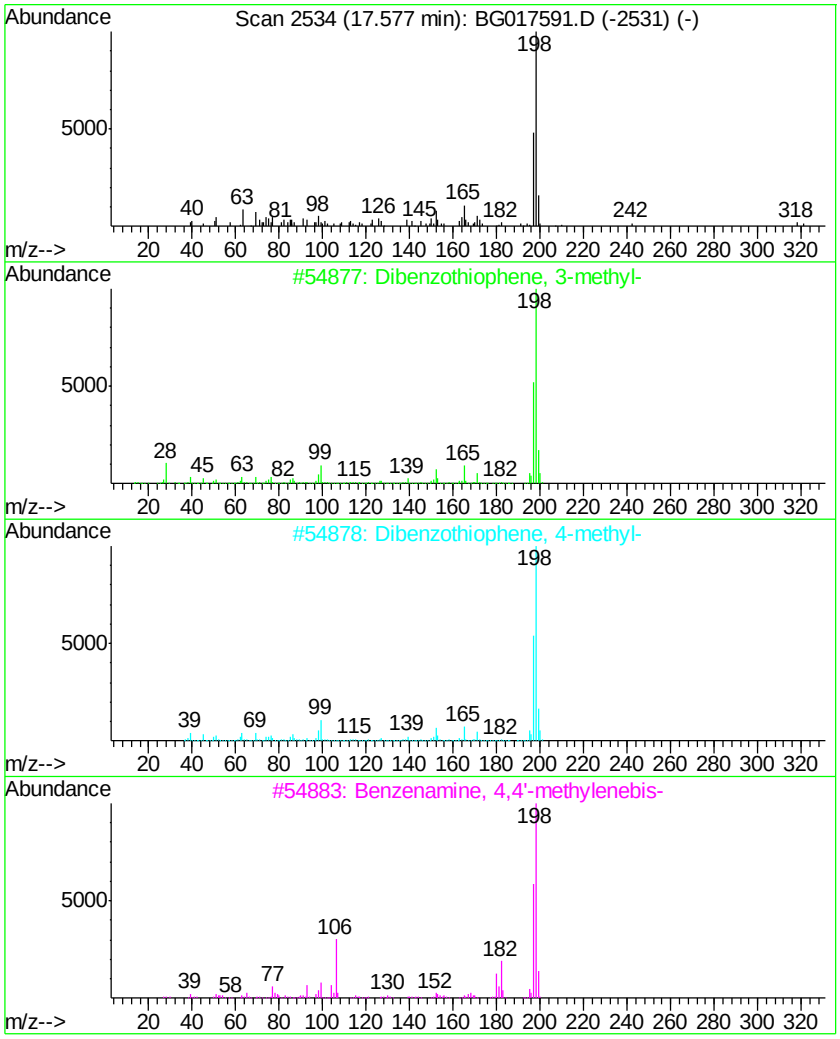
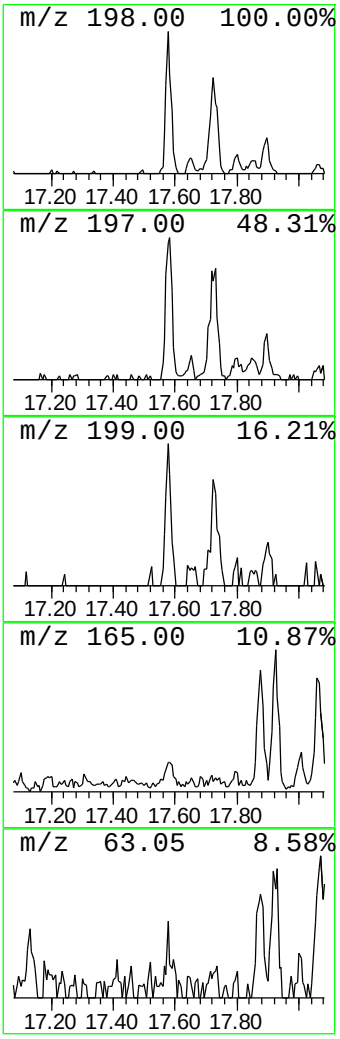
Peak Number 9 Dibenzothiophene, 3-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.58	4.04 ng	60899	Phenanthrene-d10	17.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	90
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	90
3	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	72
4	2,5-Dimethyl-4-(4-aminophenyl)py...	198	C13H14N2	071153-40-7	72
5	Benzene, 1-methoxy-4-(phenylmeth...	198	C14H14O	000834-14-0	64





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Acq On : 10 Jun 2015 3:15
Operator : TP/IZ
Sample : G2555-06 5X
Misc :
ALS Vial : 18 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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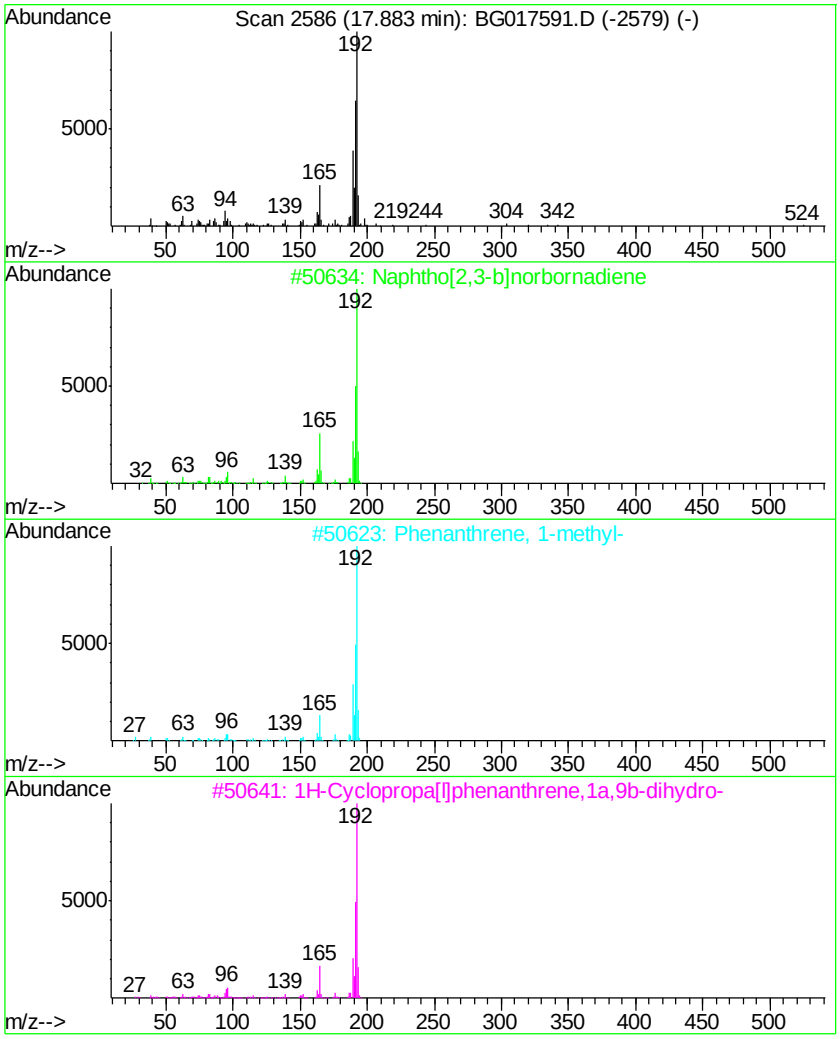
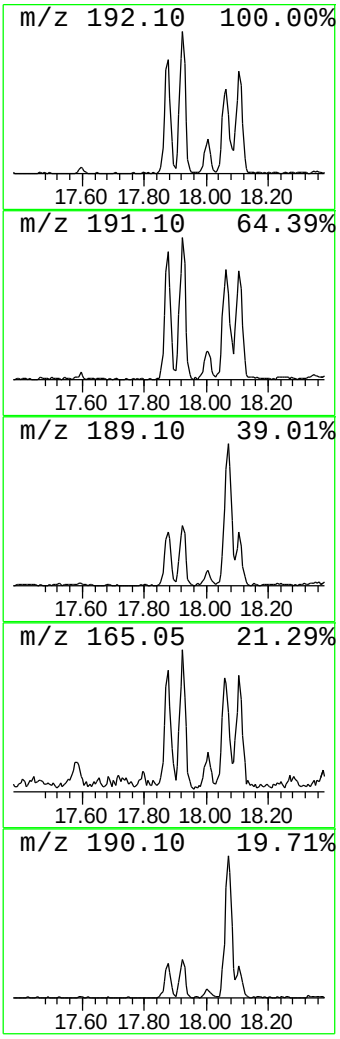
Peak Number 10 Naphtho[2,3-b]norbornadiene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.88	13.38 ng	201873	Phenanthrene-d10	17.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	91
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87





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Acq On : 10 Jun 2015 3:15
Operator : TP/IZ
Sample : G2555-06 5X
Misc :
ALS Vial : 18 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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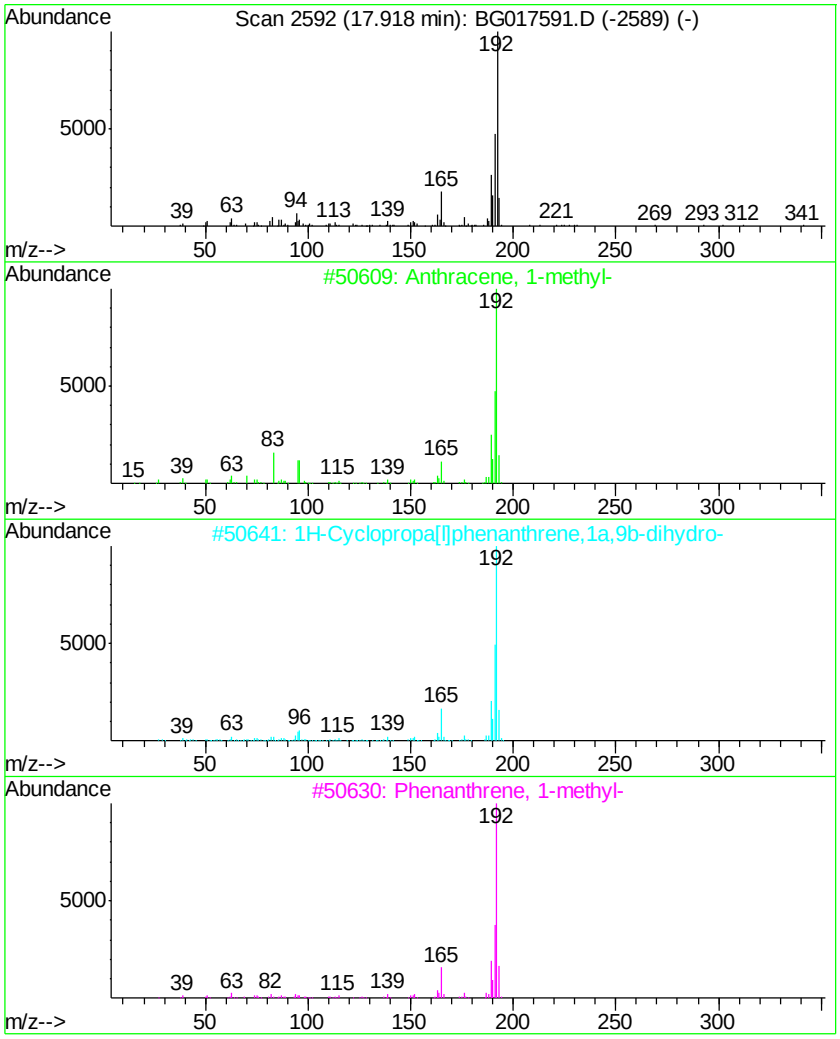
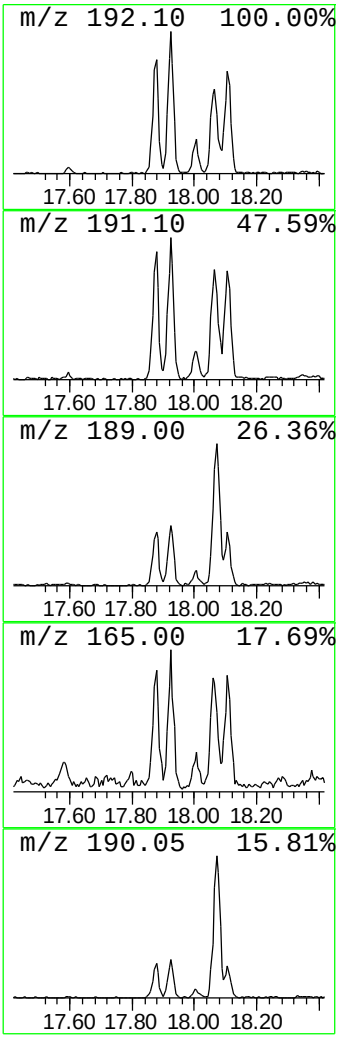
Peak Number 11 Anthracene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	14.99 ng	226129	Phenanthrene-d10	17.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	87





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Operator : TP/IZ
Sample : G2555-06 5X
Misc :
ALS Vial : 18 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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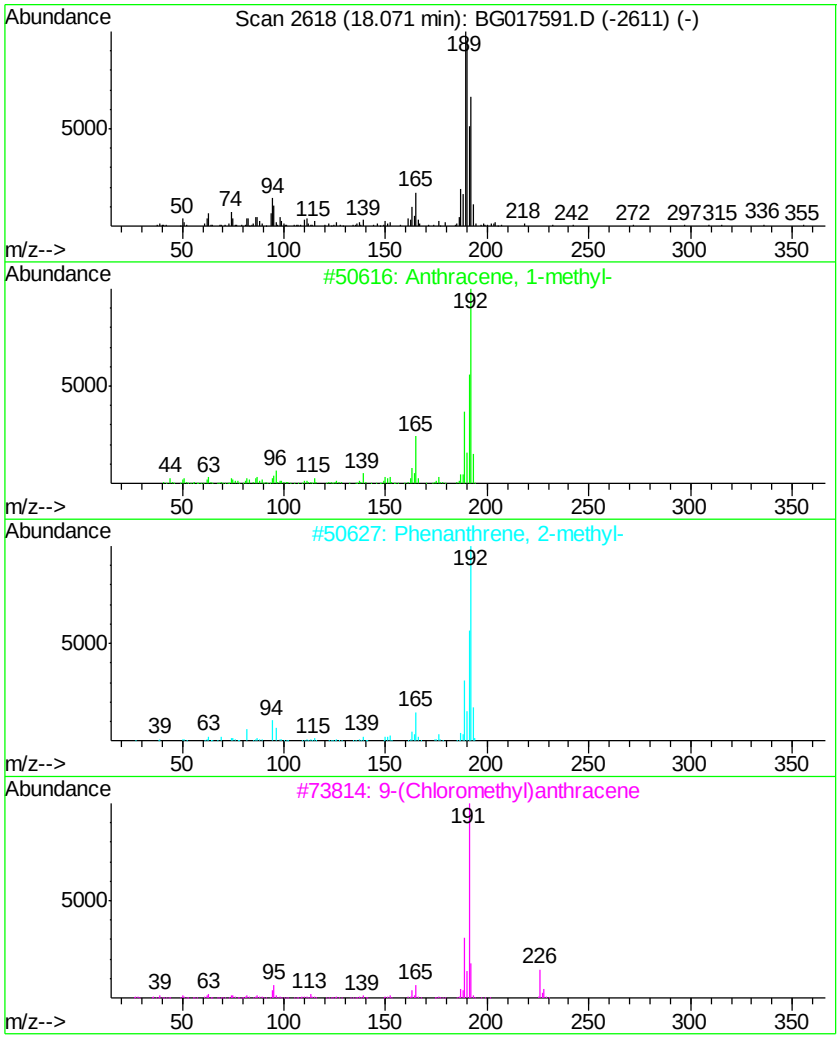
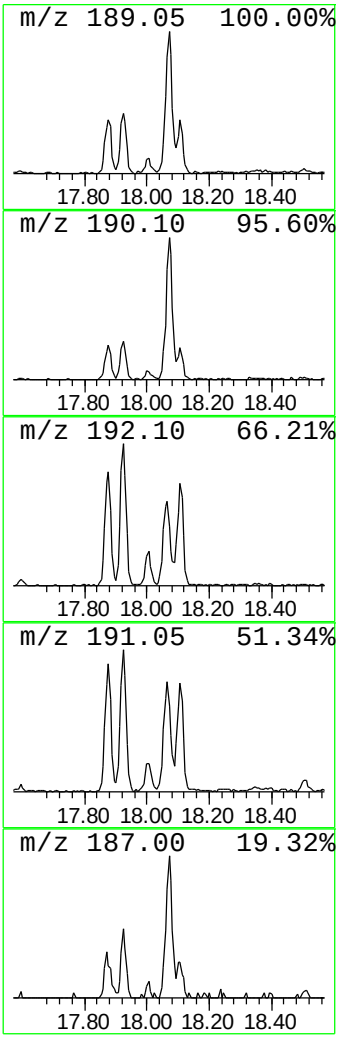
Peak Number 12 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	18.59 ng	280374	Phenanthrene-d10	17.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	66
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	55
3	9-(Chloromethyl)anthracene	226	C15H11Cl	024463-19-2	50
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	46
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46





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Operator : TP/IZ
Sample : G2555-06 5X
Misc :
ALS Vial : 18 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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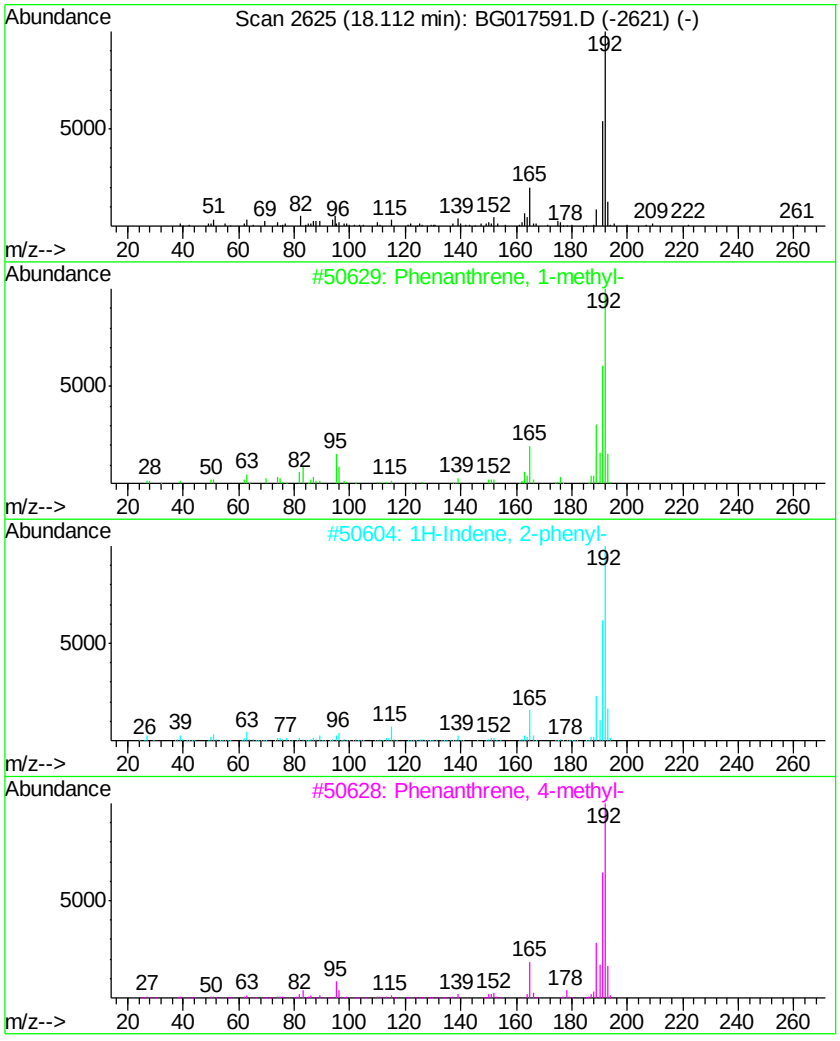
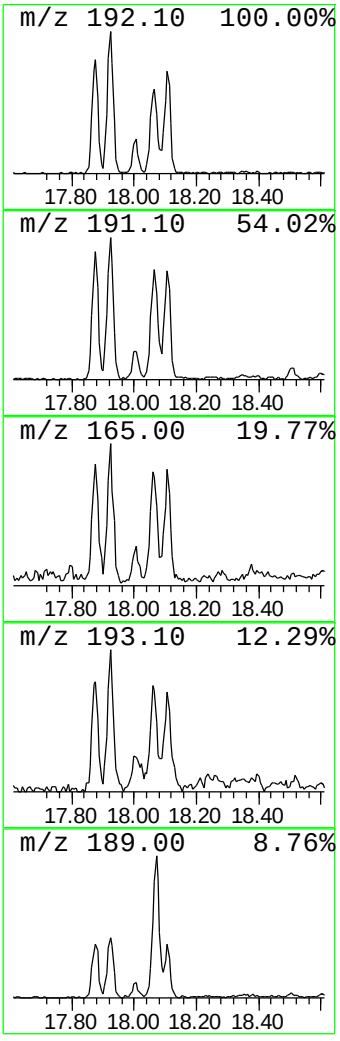
Peak Number 13 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	10.67 ng	160897	Phenanthrene-d10	17.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
4	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	87
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87





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Sample : G2555-06 5X
Misc :
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Instrument : BNA_G
ClientSampleId : DUSO-006

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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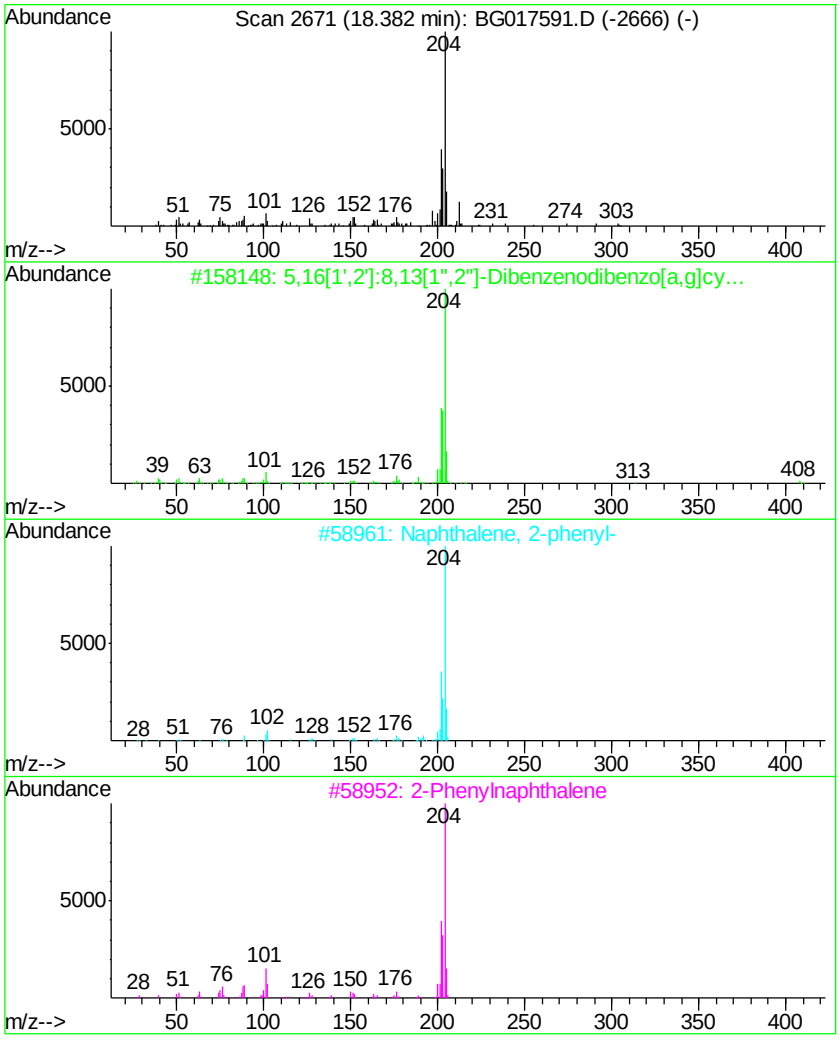
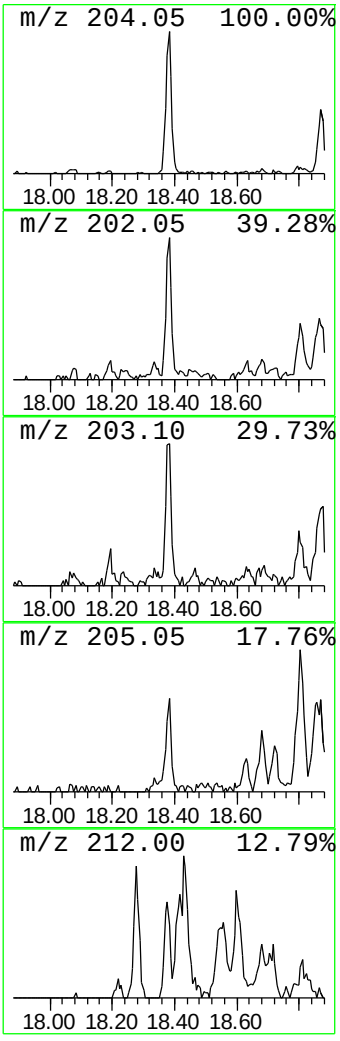
Peak Number 14 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	6.16 ng	92944	Phenanthrene-d10	17.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	58
4	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	49
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47





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Misc :
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Instrument : BNA_G
ClientSampleId : DUSO-006

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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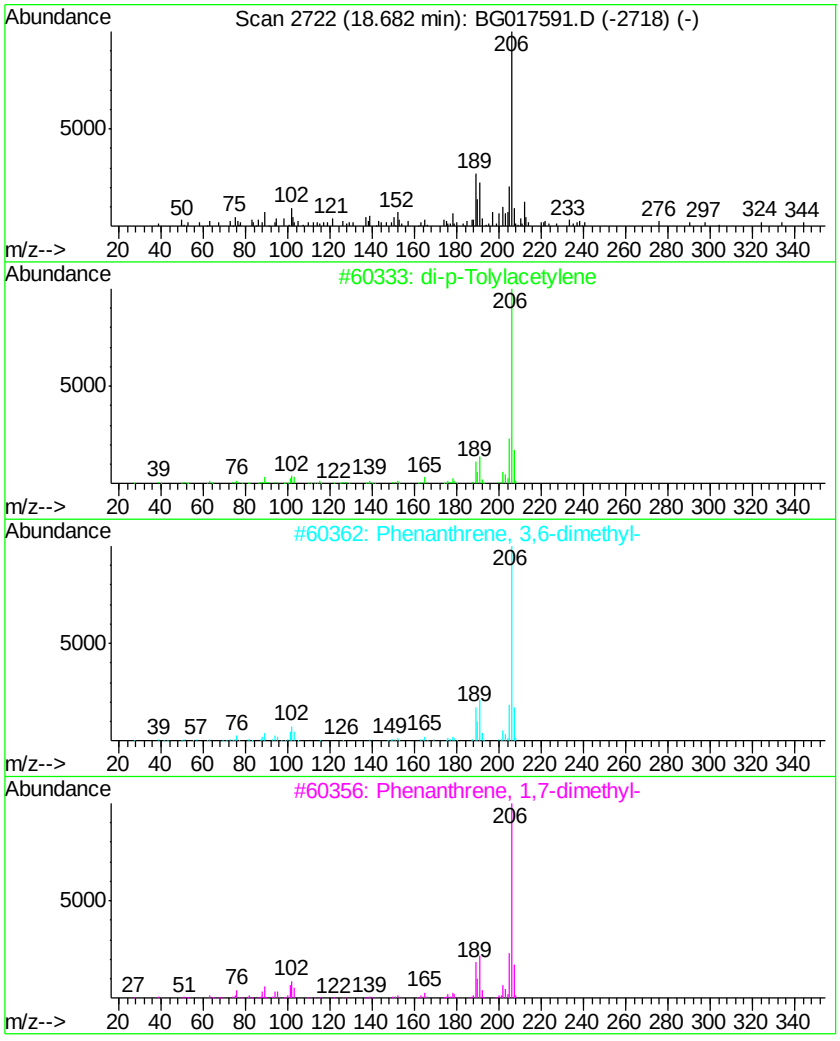
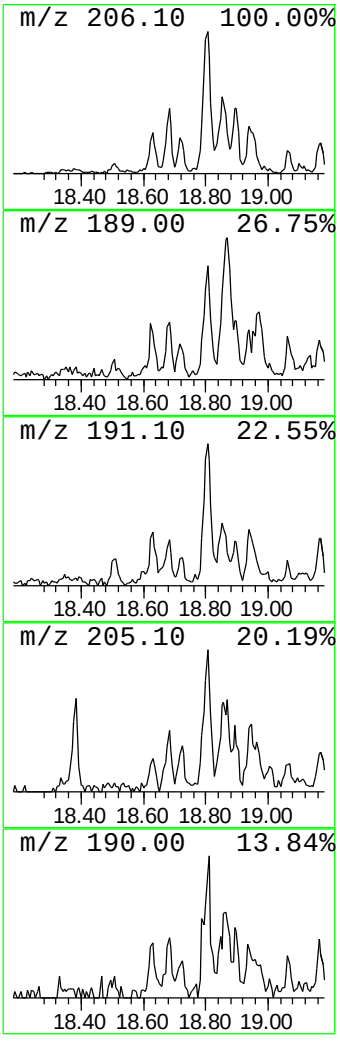
Peak Number 15 di-p-Tolylacetylene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.68	4.01 ng	60426	Phenanthrene-d10	17.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	64
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	62
5	4,7-Dimethoxy-2-methylindan-1-one	206	C12H14O3	061227-52-9	60





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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUSO-006

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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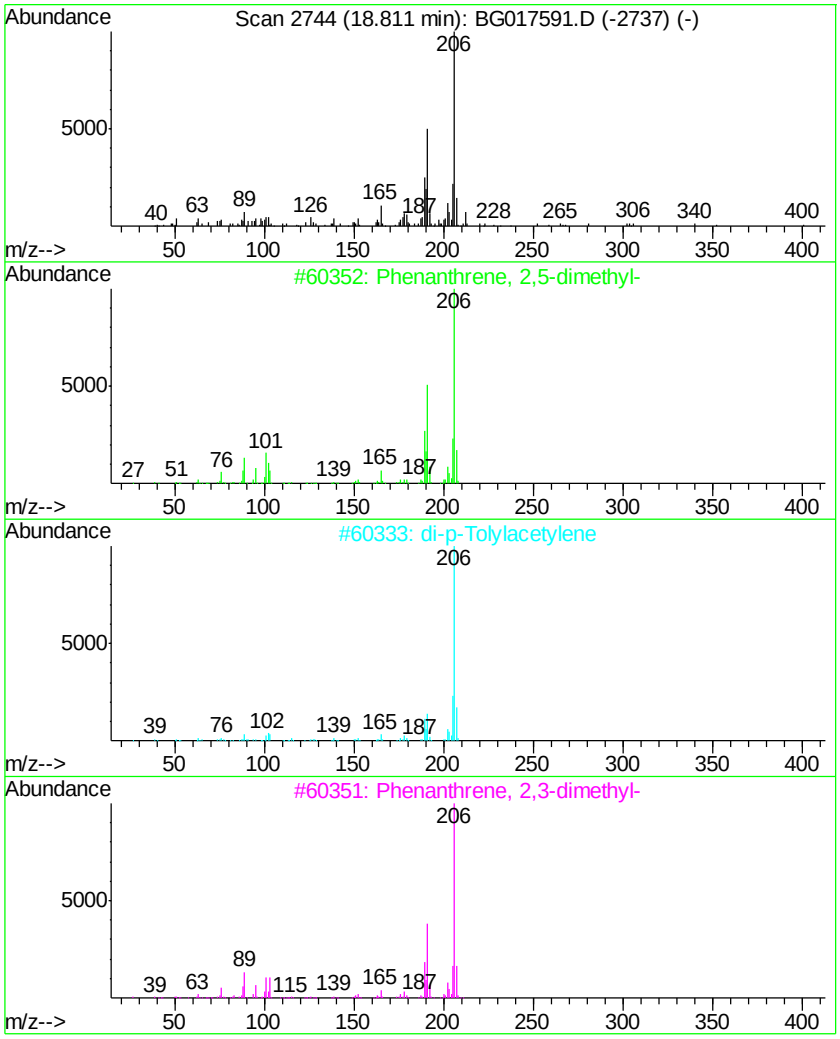
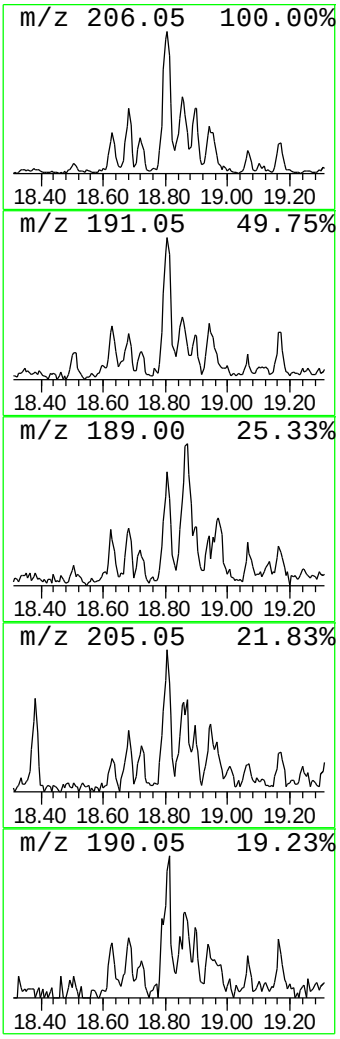
Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	10.97 ng	165397	Phenanthrene-d10	17.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





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Instrument : BNA_G
ClientSampleId : DUSO-006

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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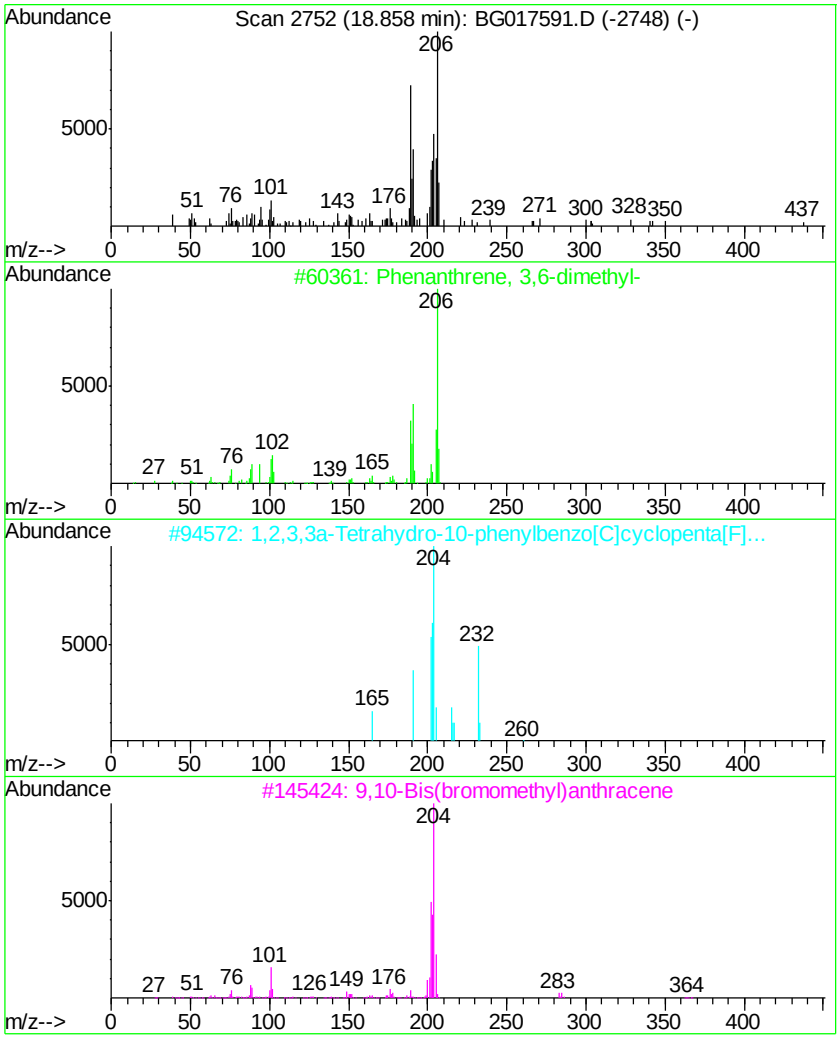
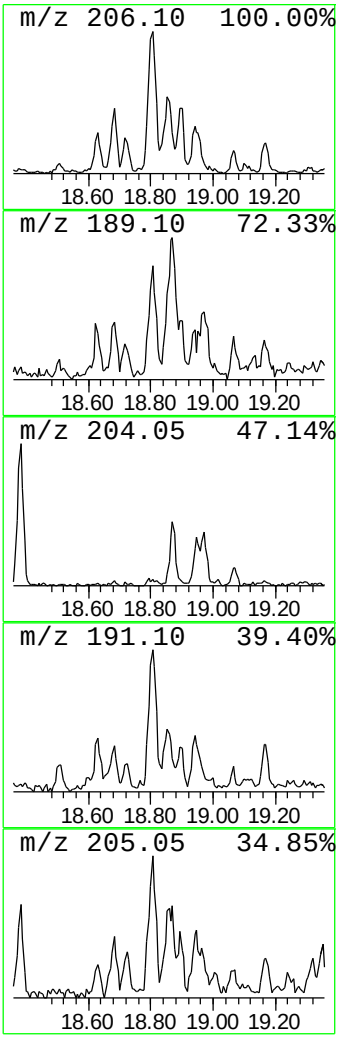
Peak Number 17 Phenanthrene, 3,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	7.00 ng	105539	Phenanthrene-d10	17.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	47
2	1,2,3,3a-Tetrahydro-10-phenylben...	260	C18H16N2	028749-06-6	43
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	30
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	25





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Acq On : 10 Jun 2015 3:15
Operator : TP/IZ
Sample : G2555-06 5X
Misc :
ALS Vial : 18 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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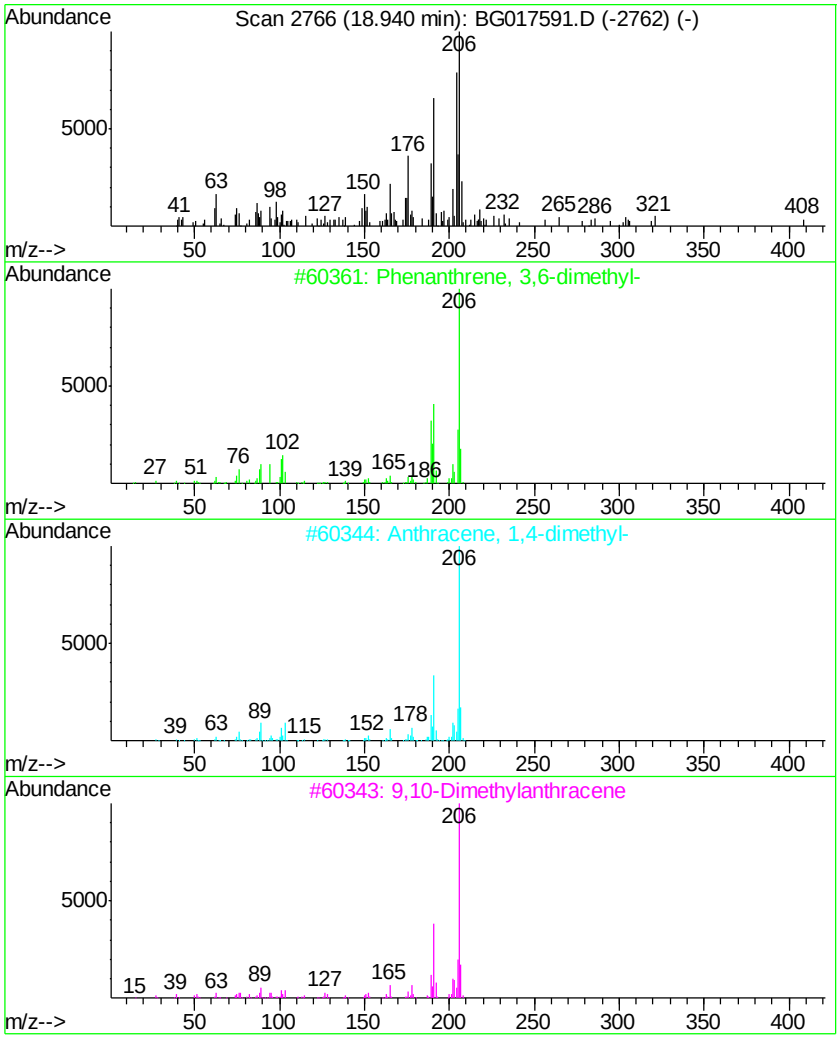
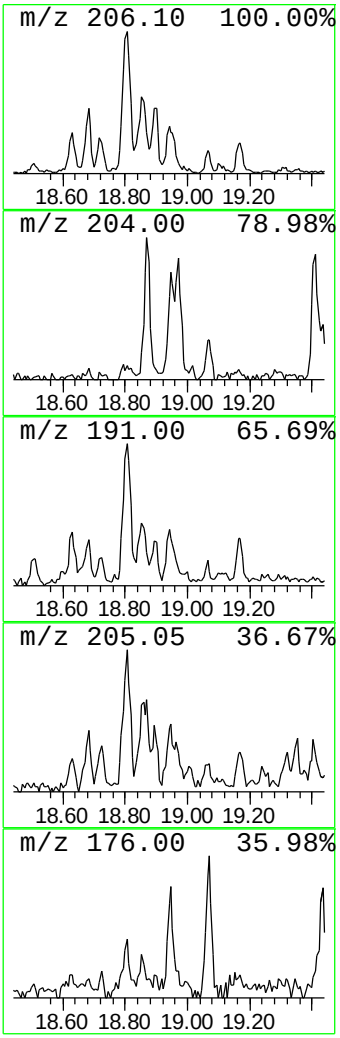
Peak Number 18 Anthracene, 1,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	8.55 ng	128978	Phenanthrene-d10	17.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	49
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	49
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	47
4	2-Furancarboxaldehyde, 5-(2-chlo...	206	C11H7ClO2	034035-04-6	46
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	46





Data Path : Z:\HPCHEM1\BNA_G\Data\BG060915\
Data File : BG017591.D
Acq On : 10 Jun 2015 3:15
Operator : TP/IZ
Sample : G2555-06 5X
Misc :
ALS Vial : 18 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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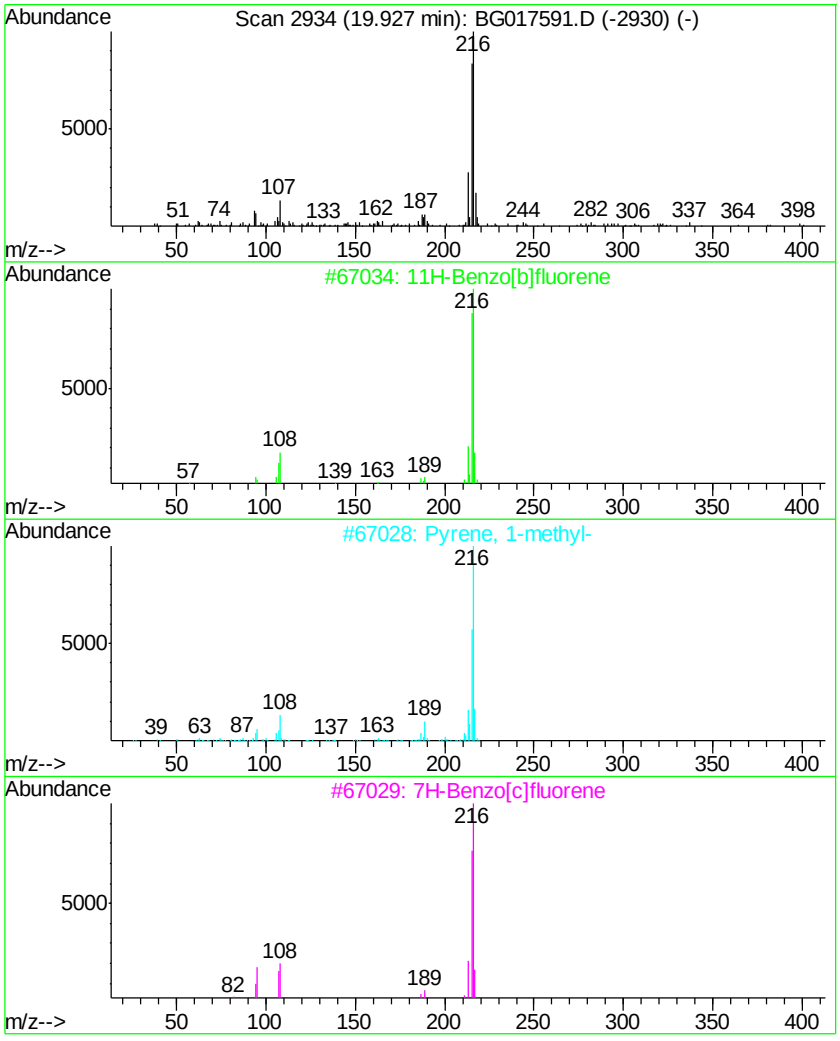
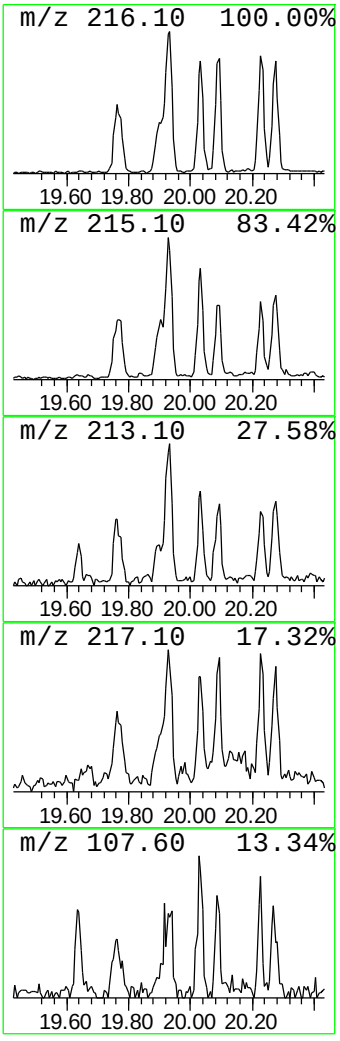
Peak Number 19 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.93	4.97 ng	178483	Chrysene-d12	21.20

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	80
3	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74





Data Path : Z:\HPCHEM1\BNA_G\Data\BG060915\
Data File : BG017591.D
Acq On : 10 Jun 2015 3:15
Operator : TP/IZ
Sample : G2555-06 5X
Misc :
ALS Vial : 18 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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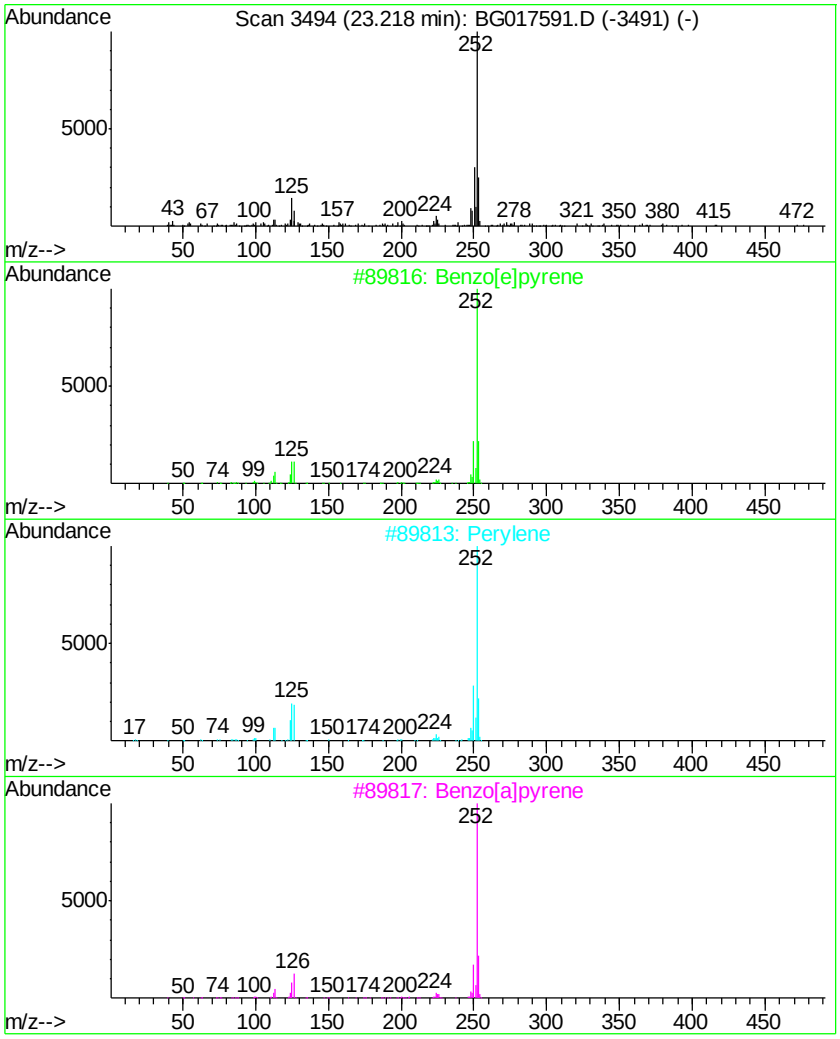
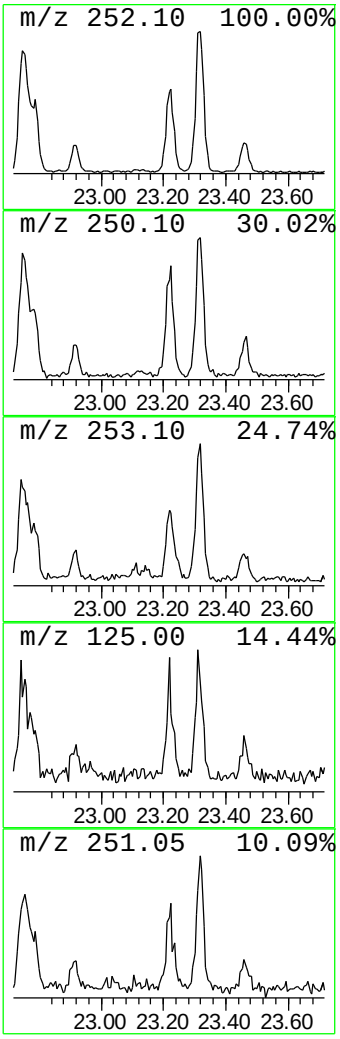
Peak Number 20 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.22	9.17 ng	146494	Perylene-d12	23.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	91
2	Perylene	252	C20H12	000198-55-0	81
3	Benzo[a]pyrene	252	C20H12	000050-32-8	76
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	76
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\Data\BG060915\
Data File : BG017591.D
Acq On : 10 Jun 2015 3:15
Operator : TP/IZ
Sample : G2555-06 5X
Misc :
ALS Vial : 18 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
1,3-Cyclopentaned...	7.11	26.4	ng	186567	1	7.57	141626	20.0
Naphthalene, 2-me...	12.27	9.9	ng	91414	2	10.37	184212	20.0
Naphthalene, 1,3-...	13.56	7.7	ng	99461	3	14.25	258678	20.0
Naphthalene, 1,6-...	13.62	4.5	ng	58557	3	14.25	258678	20.0
Naphthalene, 2,3-...	13.96	4.3	ng	56240	3	14.25	258678	20.0
9H-Fluorene, 2-me...	16.30	6.0	ng	90782	4	17.00	301681	20.0
Dibenzothiophene	16.81	4.8	ng	72578	4	17.00	301681	20.0
Dibenzothiophene,...	17.58	4.0	ng	60899	4	17.00	301681	20.0
Naphtho[2,3-b]nor...	17.88	13.4	ng	201873	4	17.00	301681	20.0
Anthracene, 1-met...	17.92	15.0	ng	226129	4	17.00	301681	20.0
Phenanthrene, 2-m...	18.07	18.6	ng	280374	4	17.00	301681	20.0
Phenanthrene, 1-m...	18.11	10.7	ng	160897	4	17.00	301681	20.0
5,16[1',2']:8,13[...	18.38	6.2	ng	92944	4	17.00	301681	20.0
di-p-Tolylacetylene	18.68	4.0	ng	60426	4	17.00	301681	20.0
Phenanthrene, 2,5...	18.81	11.0	ng	165397	4	17.00	301681	20.0
Phenanthrene, 3,6...	18.86	7.0	ng	105539	4	17.00	301681	20.0
Anthracene, 1,4-d...	18.94	8.6	ng	128978	4	17.00	301681	20.0
11H-Benzo[b]fluorene	19.93	5.0	ng	178483	5	21.20	717999	20.0
Benzo[e]pyrene	23.22	9.2	ng	146494	6	23.41	319342	20.0