LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081316\
Data File : BG023700.D
Acq On : 13 Aug 2016 22:53
Operator : UM/SJ
Sample : H4385-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS003-0612-01

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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\SOM02.2-EPA-BG080416.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.268	747	754	765	rBV	477197	831512	9.29%	0.498%
2	7.426	774	781	789	rBV	341940	570070	6.37%	0.342%
3	7.638	810	817	828	rBV	425297	757162	8.46%	0.454%
4	8.114	890	898	907	rBV	443299	762401	8.52%	0.457%
5	8.825	1012	1019	1032	rBV	575542	1039370	11.61%	0.623%
6	9.289	1090	1098	1107	rBV	456465	824975	9.21%	0.494%
7	10.017	1215	1222	1234	rBV	407060	766899	8.57%	0.459%
8	10.569	1309	1316	1328	rBV	629449	1174677	13.12%	0.704%
9	10.951	1373	1381	1387	rBV	634590	1182832	13.21%	0.709%
10	11.086	1397	1404	1416	rBV	410769	807580	9.02%	0.484%
11	12.825	1692	1700	1708	rBV	261613	454166	5.07%	0.272%
12	13.953	1884	1892	1899	rBV5	309134	843843	9.43%	0.506%
13	14.100	1911	1917	1922	rVV	584766	1080376	12.07%	0.647%
14	14.182	1922	1931	1935	rVV2	1274723	2524720	28.20%	1.513%
15	14.229	1935	1939	1945	rVB	672166	1026095	11.46%	0.615%
16	14.341	1952	1958	1961	rBV	272928	451680	5.05%	0.271%
17	14.482	1975	1982	1986	rBV	1362143	2514111	28.08%	1.506%
18	14.787	2028	2034	2041	rVB2	967367	1560429	17.43%	0.935%
19	15.004	2062	2071	2078	rBV3	543352	1240838	13.86%	0.743%
20	15.181	2092	2101	2108	rVB2	409308	776452	8.67%	0.465%
21	15.257	2108	2114	2120	rVB	428046	685080	7.65%	0.410%
22	15.398	2131	2138	2143	rBV3	367176	712965	7.96%	0.427%
23	15.451	2143	2147	2152	rVB	314171	439617	4.91%	0.263%
24	15.786	2199	2204	2208	rVV	1846882	2912770	32.53%	1.745%
25	15.839	2208	2213	2221	rVV3	395831	952525	10.64%	0.571%
26	15.915	2221	2226	2232	rVV	561740	997798	11.15%	0.598%
27	16.132	2255	2263	2270	rVB3	196116	512241	5.72%	0.307%
28	16.508	2323	2327	2335	rVB2	318385	581494	6.50%	0.348%
29	16.843	2376	2384	2389	rVV3	386717	952460	10.64%	0.571%
30	16.896	2389	2393	2398	rVV2	336122	562662	6.28%	0.337%
31	17.072	2415	2423	2428	rBV6	194044	505265	5.64%	0.303%
32	17.201	2441	2445	2452	rVV3	292202	569596	6.36%	0.341%
33	17.272	2452	2457	2463	rVV4	306978	506783	5.66%	0.304%
34	17.366	2469	2473	2480	rVB	491193	755848	8.44%	0.453%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081316\
Data File : BG023700.D
Acq On : 13 Aug 2016 22:53
Operator : UM/SJ
Sample : H4385-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS003-0612-01

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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\SOM02.2-EPA-BG080416.M
Title : SVOA CALIBRATION

35	17.554	2499	2505	2508	rBV	1119129	1810198	20.22%	1.084%
36	17.595	2508	2512	2517	rVB	3300632	5050367	56.41%	3.026%
37	17.654	2517	2522	2526	rBV2	1671448	2562025	28.62%	1.535%
38	17.742	2531	2537	2542	rVB2	250671	498798	5.57%	0.299%
39	18.135	2600	2604	2612	rVB	765137	1226079	13.70%	0.735%
40	18.282	2624	2629	2637	rVB	516594	1042279	11.64%	0.624%
41	18.359	2637	2642	2648	rBV4	237174	453673	5.07%	0.272%
42	18.429	2648	2654	2659	rVV	2394573	4052303	45.26%	2.428%
43	18.482	2659	2663	2669	rVB	2878598	4150508	46.36%	2.486%
44	18.558	2672	2676	2681	rBV3	356315	614473	6.86%	0.368%
45	18.623	2681	2687	2691	rVV2	1996336	3774962	42.17%	2.261%
46	18.664	2691	2694	2699	rVB	1669087	2276074	25.42%	1.364%
47	18.823	2717	2721	2726	rVB3	392117	601165	6.71%	0.360%
48	18.923	2734	2738	2742	rBV2	917647	1442465	16.11%	0.864%
49	18.981	2742	2748	2756	rVB	881025	1798422	20.09%	1.077%
50	19.087	2762	2766	2772	rVB4	228128	476709	5.32%	0.286%
51	19.169	2772	2780	2785	rBV2	926018	2010987	22.46%	1.205%
52	19.222	2785	2789	2792	rVV	1342623	1600124	17.87%	0.959%
53	19.263	2792	2796	2800	rVB2	1033741	1418550	15.84%	0.850%
54	19.346	2804	2810	2814	rBV	2946155	4725278	52.78%	2.831%
55	19.398	2814	2819	2823	rVV3	952823	1828242	20.42%	1.095%
56	19.434	2823	2825	2829	rVB	866290	1033769	11.55%	0.619%
57	19.487	2829	2834	2840	rBV4	1021468	2321721	25.93%	1.391%
58	19.610	2850	2855	2860	rVB	3840884	5997098	66.99%	3.593%
59	19.669	2860	2865	2867	rBV2	568942	807763	9.02%	0.484%
60	19.704	2867	2871	2875	rVB	638344	975478	10.90%	0.584%
61	19.763	2877	2881	2885	rBV	512538	758940	8.48%	0.455%
62	19.851	2892	2896	2899	rBV3	386976	570192	6.37%	0.342%
63	19.945	2907	2912	2914	rBV3	2280833	3376297	37.71%	2.023%
64	19.980	2914	2918	2924	rVB2	5955477	8952730	100.00%	5.363%
65	20.039	2924	2928	2934	rVB	1544339	2334564	26.08%	1.399%
66	20.127	2934	2943	2946	rBV3	560836	1573323	17.57%	0.943%
67	20.162	2946	2949	2952	rVB4	536697	635115	7.09%	0.380%
68	20.203	2952	2956	2962	rVB3	625882	1123550	12.55%	0.673%
69	20.303	2965	2973	2981	rBV4	1086671	3087650	34.49%	1.850%
70	20.374	2981	2985	2989	rBV4	281379	553385	6.18%	0.332%
71	20.444	2990	2997	2998	rBV5	991079	1851058	20.68%	1.109%

LSC Area Percent Report

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Data File : BG023700.D
Acq On : 13 Aug 2016 22:53
Operator : UM/SJ
Sample : H4385-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS003-0612-01

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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\SOM02.2-EPA-BG080416.M
Title : SVOA CALIBRATION

72	20.532	3008	3012	3014	rBV2	311855	495025	5.53%	0.297%
73	20.562	3014	3017	3022	rVV2	580734	916017	10.23%	0.549%
74	20.626	3022	3028	3032	rVV	1676924	2429435	27.14%	1.455%
75	20.767	3047	3052	3056	rBV	1712743	2388279	26.68%	1.431%
76	20.814	3056	3060	3068	rVB2	1309937	2405689	26.87%	1.441%
77	21.249	3129	3134	3141	rVB2	1022777	1836964	20.52%	1.100%
78	21.349	3147	3151	3156	rVB	487561	700254	7.82%	0.420%
79	21.437	3157	3166	3170	rVV5	919995	2455032	27.42%	1.471%
80	21.478	3170	3173	3178	rVV2	645318	1013674	11.32%	0.607%
81	21.537	3179	3183	3187	rVV2	464544	819208	9.15%	0.491%
82	21.601	3191	3194	3200	rVB3	579146	947124	10.58%	0.567%
83	21.731	3212	3216	3221	rBV3	357161	579397	6.47%	0.347%
84	21.860	3232	3238	3246	rBV2	2471545	7047514	78.72%	4.222%
85	21.930	3246	3250	3261	rVB	2401865	4395512	49.10%	2.633%
86	22.030	3262	3267	3272	rVB3	379953	693047	7.74%	0.415%
87	22.159	3285	3289	3309	rVB8	693453	2285038	25.52%	1.369%
88	22.371	3321	3325	3330	rBV3	306480	498202	5.56%	0.298%
89	22.559	3353	3357	3362	rBV3	259070	488109	5.45%	0.292%
90	22.647	3363	3372	3378	rVV	1097670	2700317	30.16%	1.618%
91	22.717	3380	3384	3392	rVB	597849	1197041	13.37%	0.717%
92	22.935	3416	3421	3426	rBV2	437547	828811	9.26%	0.497%
93	23.787	3562	3566	3578	rVB6	279835	807618	9.02%	0.484%
94	24.204	3629	3637	3645	rBV3	1174626	3979709	44.45%	2.384%
95	24.474	3678	3683	3693	rVB	284510	722407	8.07%	0.433%
96	24.973	3760	3768	3774	rBV	705879	2107266	23.54%	1.262%
97	25.055	3776	3782	3788	rVV2	1071833	2909819	32.50%	1.743%
98	25.132	3789	3795	3807	rVB	1310749	3539665	39.54%	2.121%
99	25.285	3815	3821	3830	rVB3	540237	1434465	16.02%	0.859%
100	29.209	4480	4489	4510	rVB4	417437	2098781	23.44%	1.257%

Sum of corrected areas: 166923025

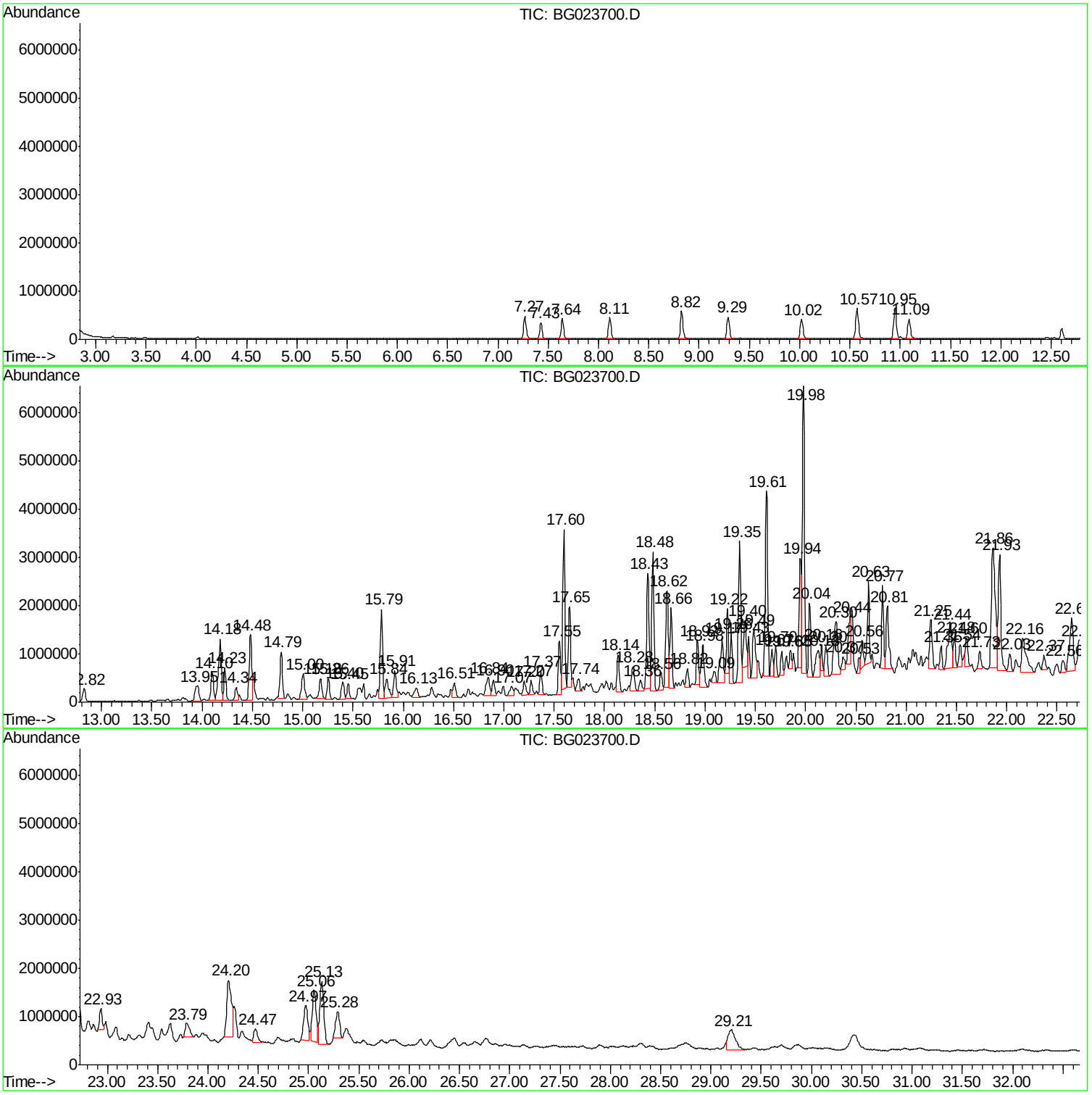
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081316\
Data File : BG023700.D
Acq On : 13 Aug 2016 22:53
Operator : UM/SJ
Sample : H4385-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS003-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081316\
Data File : BG023700.D
Acq On : 13 Aug 2016 22:53
Operator : UM/SJ
Sample : H4385-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS003-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

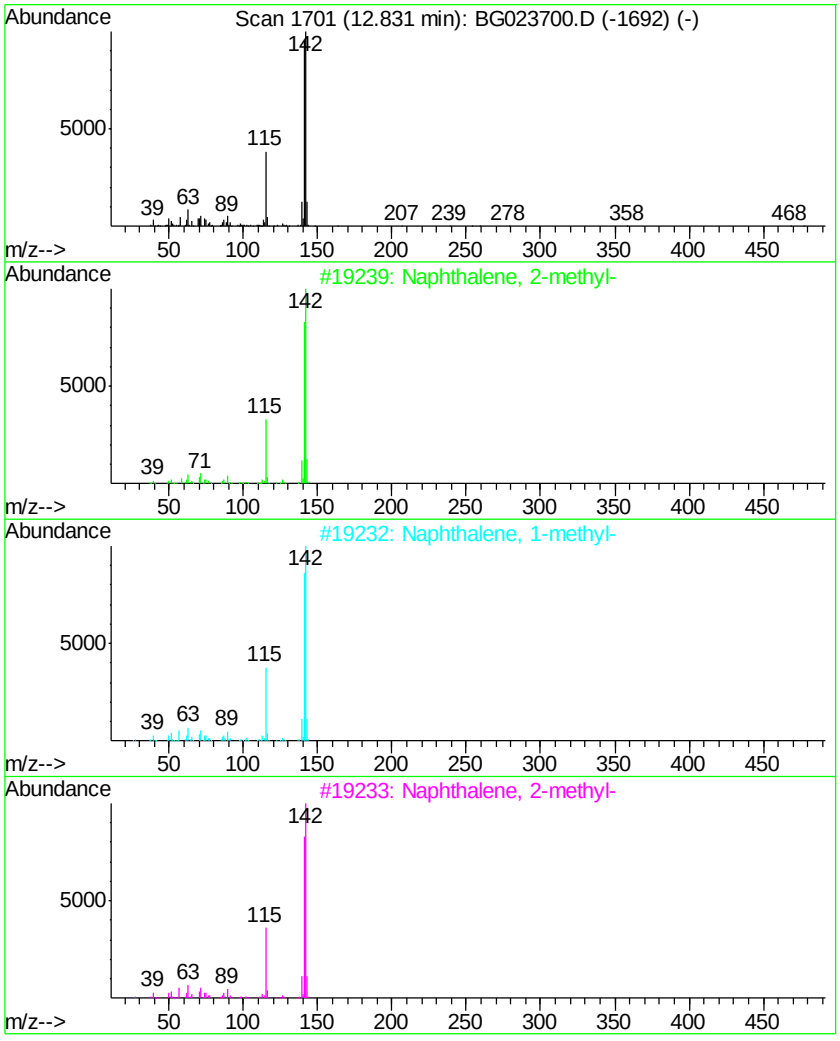
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

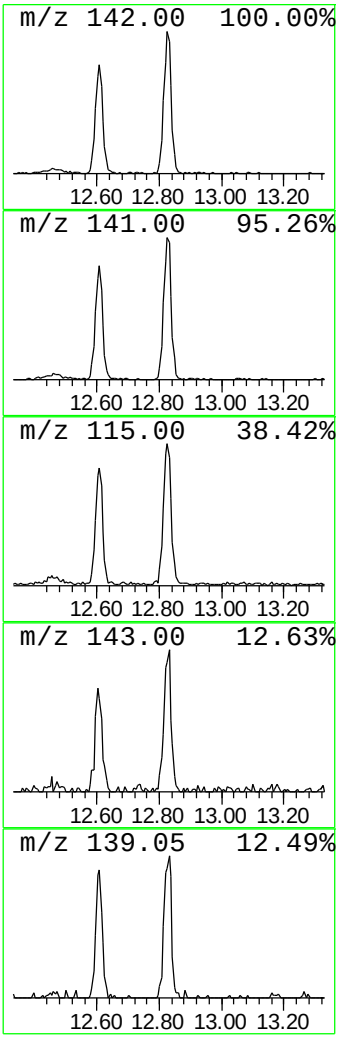
****

Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.83	7.68 ng/ul	454166	Naphthalene-d8	10.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081316\
Data File : BG023700.D
Acq On : 13 Aug 2016 22:53
Operator : UM/SJ
Sample : H4385-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS003-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

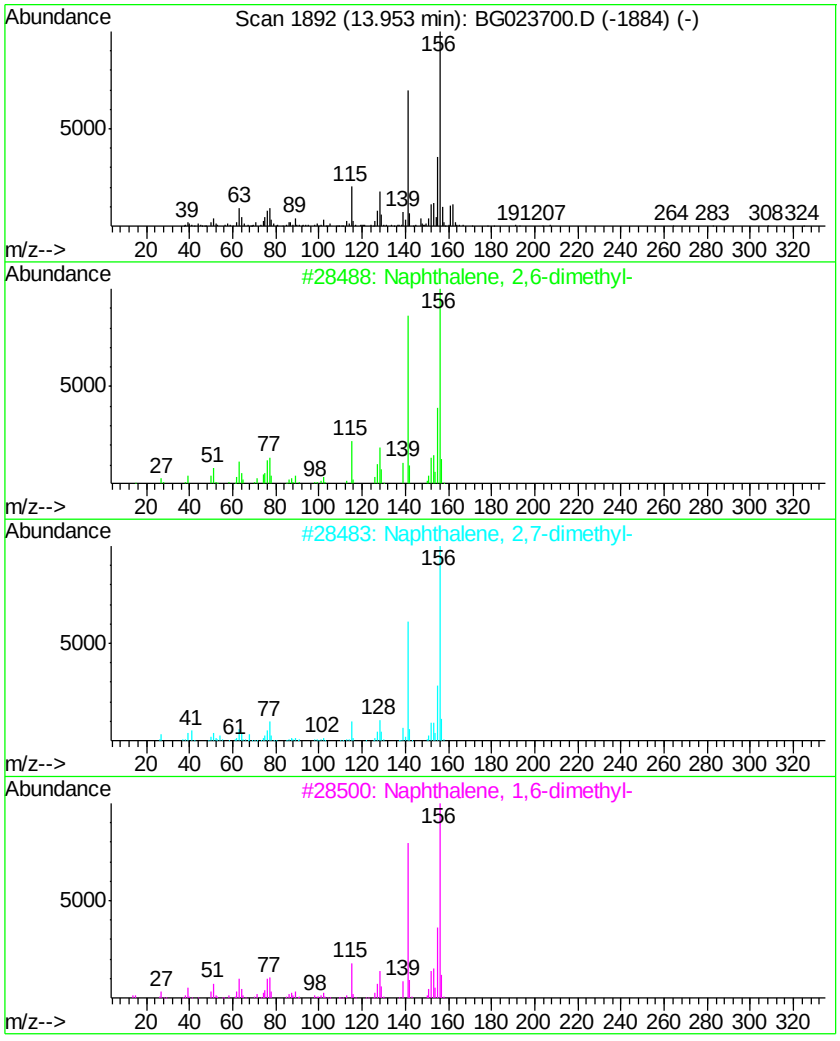
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

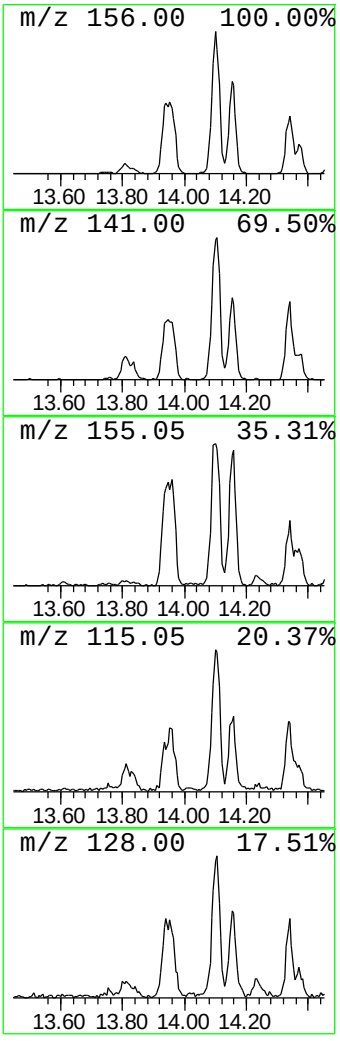
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	10.82 ng/ul	843843	Acenaphthene-d10	14.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081316\
Data File : BG023700.D
Acq On : 13 Aug 2016 22:53
Operator : UM/SJ
Sample : H4385-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS003-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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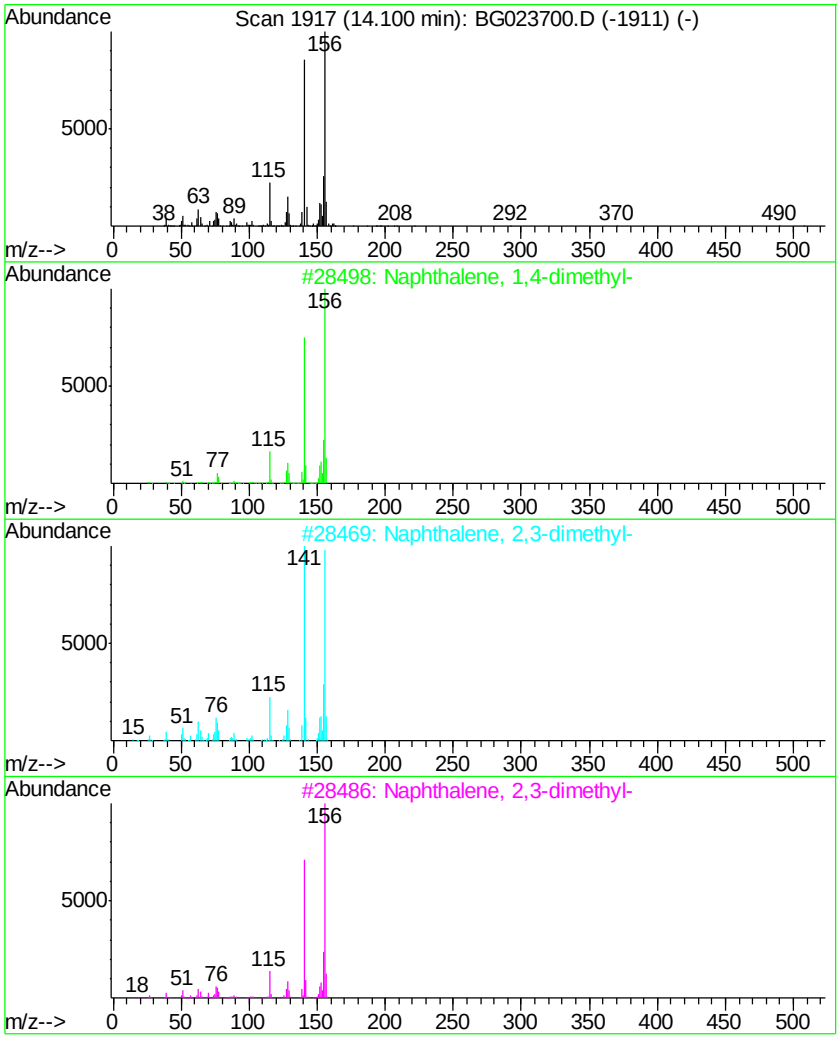
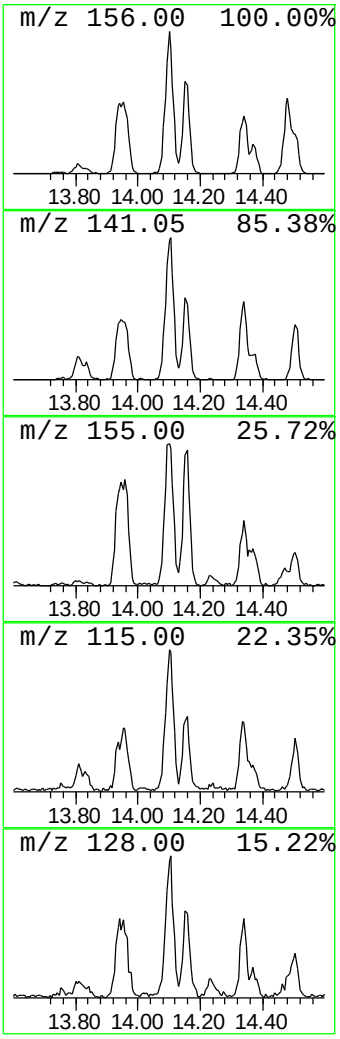
Peak Number 3 Naphthalene, 1,4-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	13.85 ng/ul	1080380	Acenaphthene-d10	14.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081316\
Data File : BG023700.D
Acq On : 13 Aug 2016 22:53
Operator : UM/SJ
Sample : H4385-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS003-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

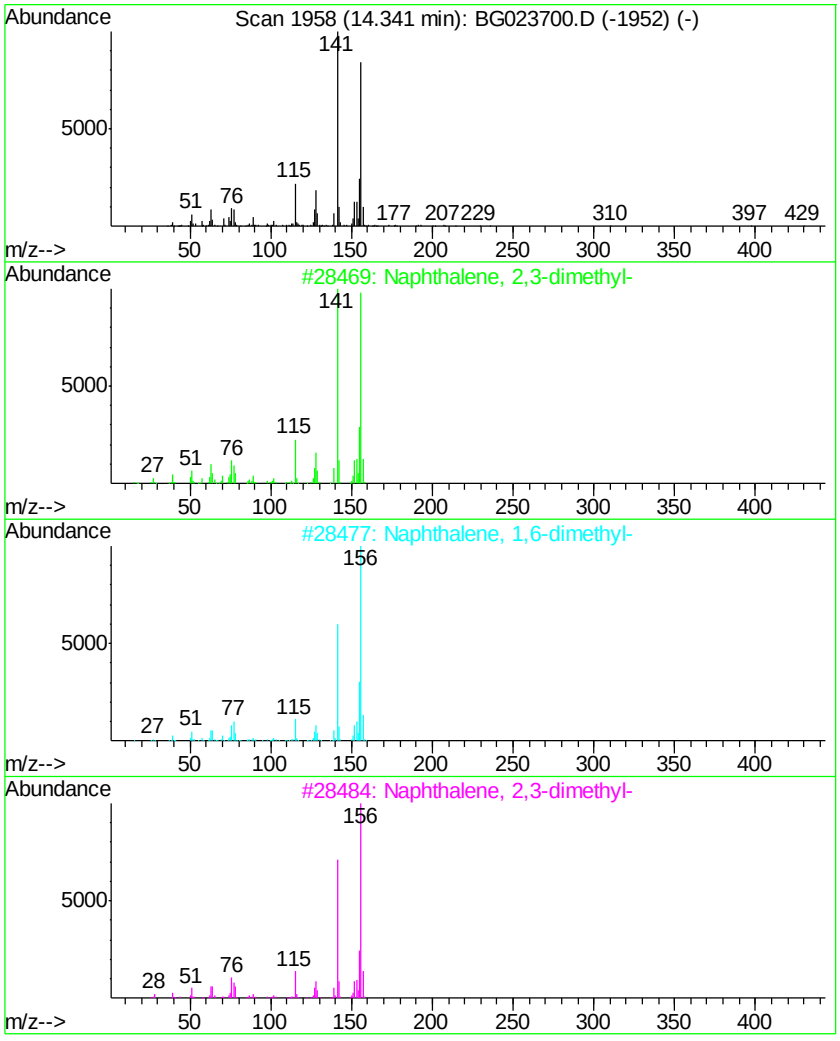
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

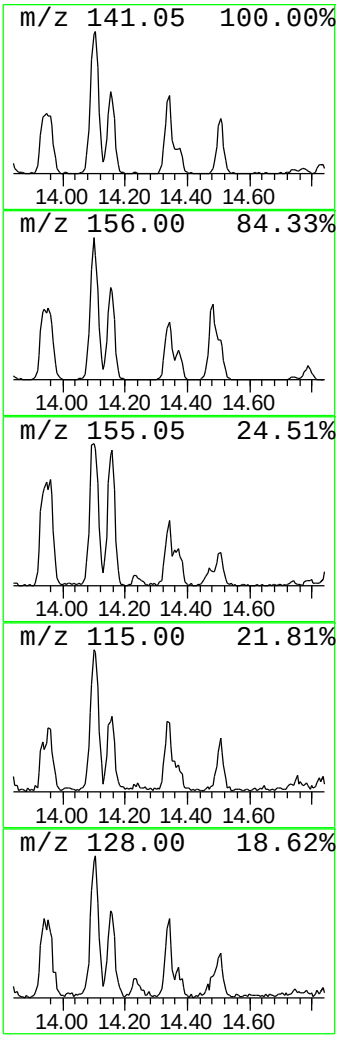
****

Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	5.79 ng/ul	451680	Acenaphthene-d10	14.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081316\
Data File : BG023700.D
Acq On : 13 Aug 2016 22:53
Operator : UM/SJ
Sample : H4385-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS003-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

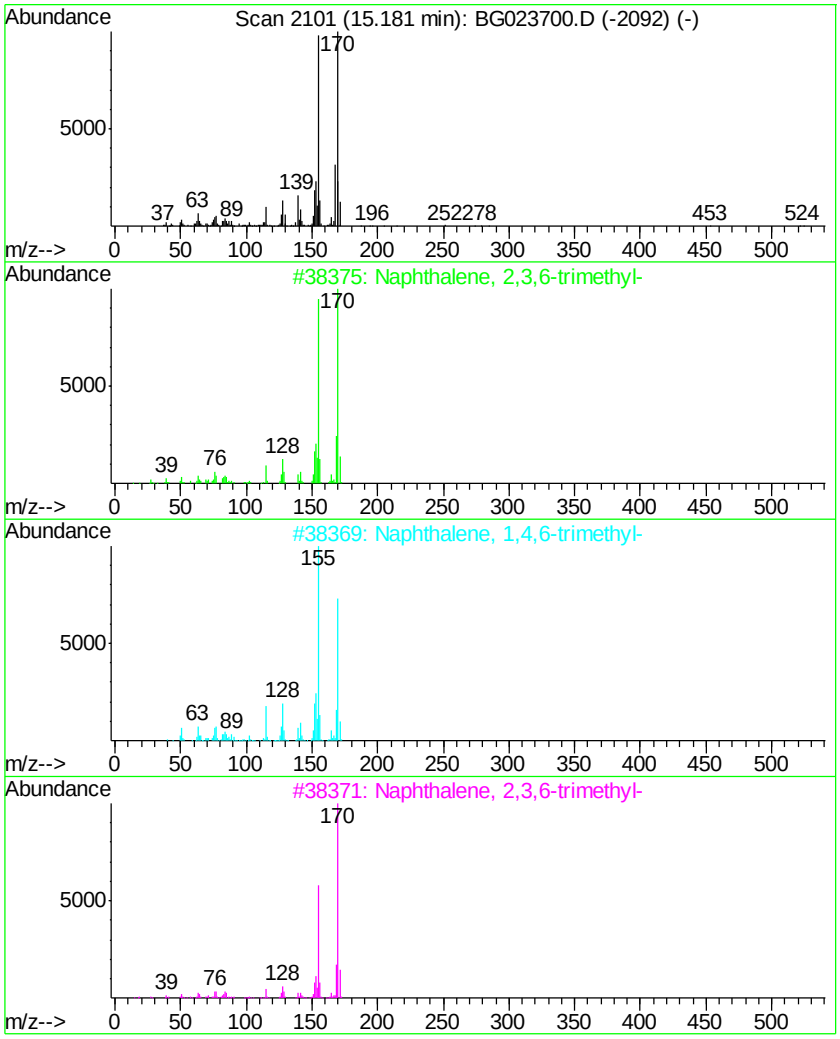
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

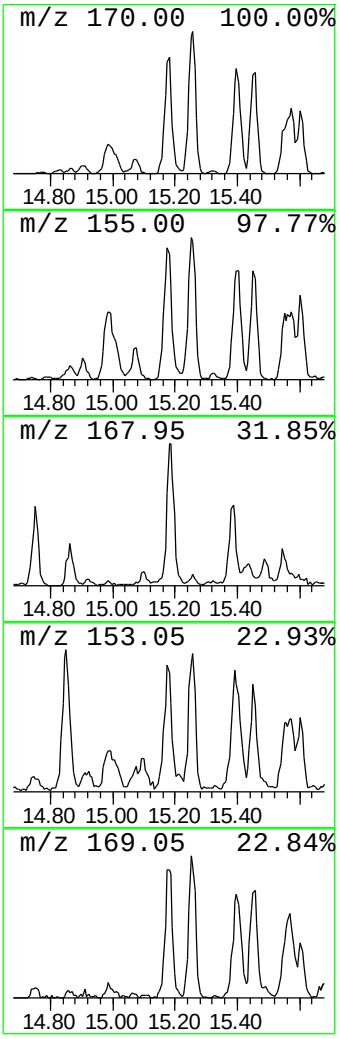
****

Peak Number 5 Naphthalene, 2,3,6-trimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	9.95 ng/ul	776452	Acenaphthene-d10	14.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93





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Data File : BG023700.D
Acq On : 13 Aug 2016 22:53
Operator : UM/SJ
Sample : H4385-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS003-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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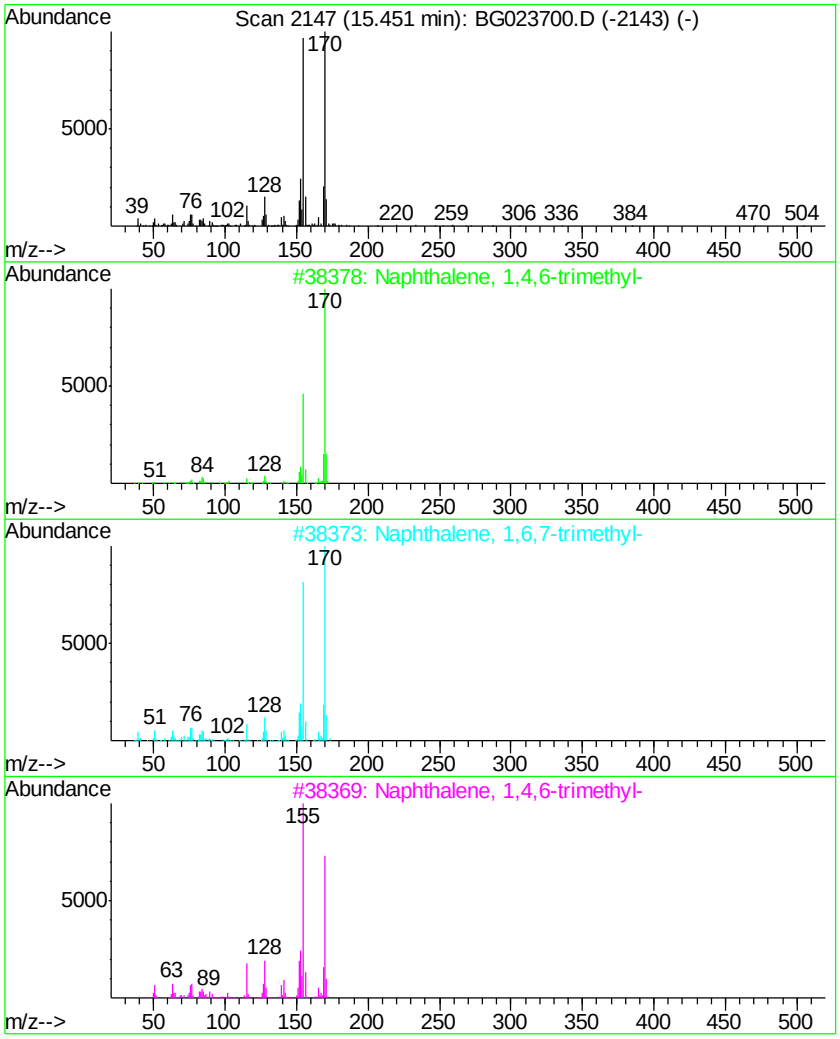
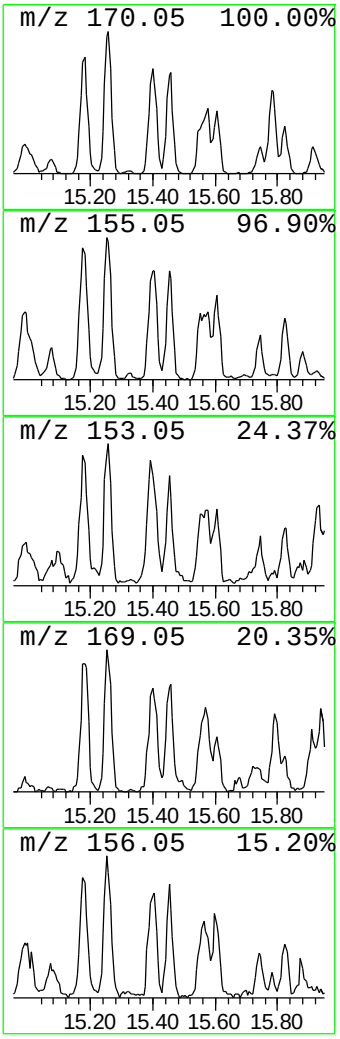
Peak Number 8 Naphthalene, 1,4,6-trimethyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.45	5.63 ng/ul	439617	Acenaphthene-d10	14.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93





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Sample : H4385-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS003-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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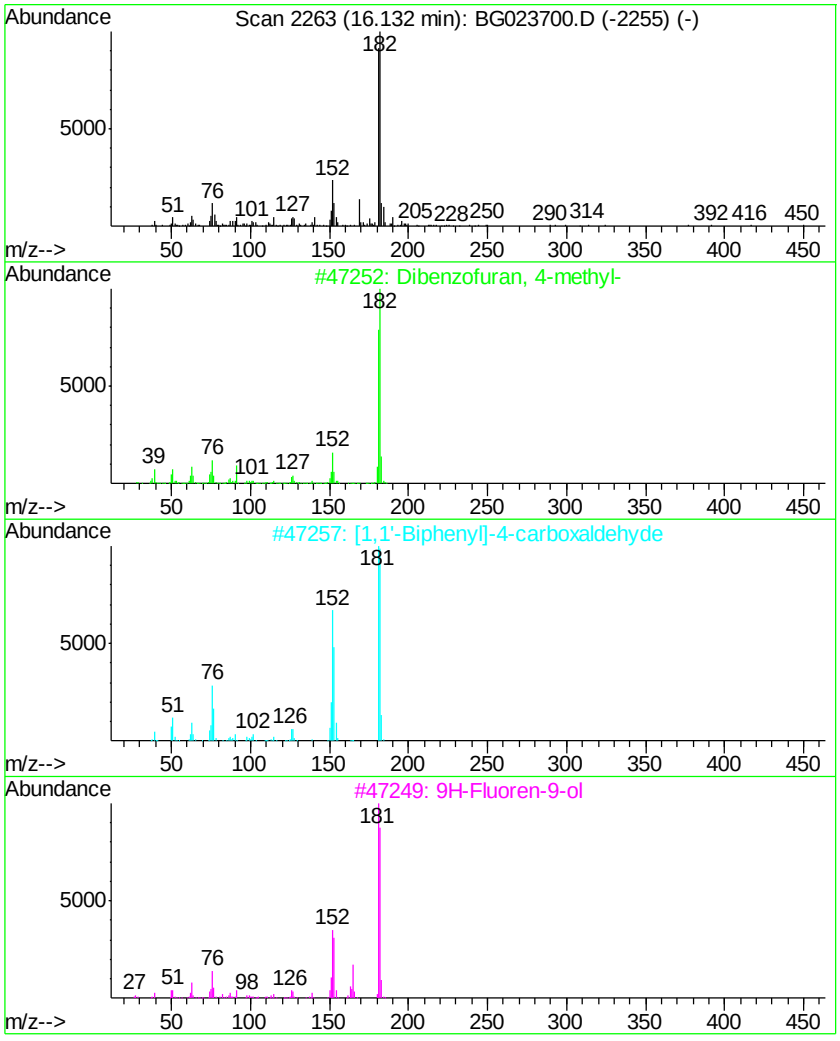
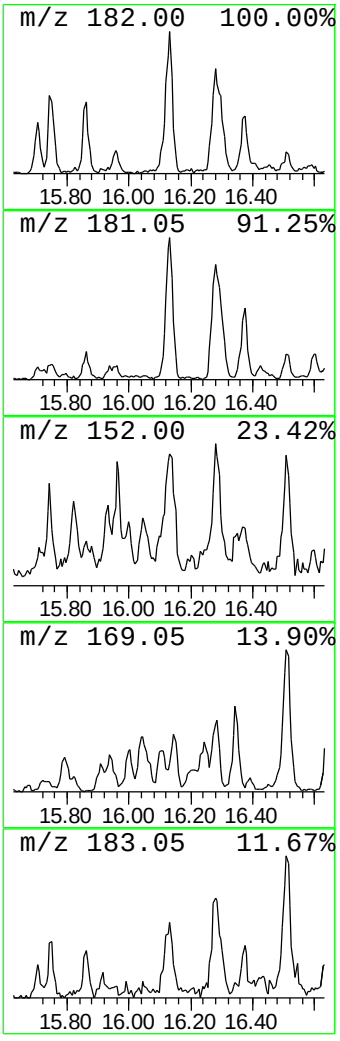
Peak Number 9 Dibenzofuran, 4-methyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.13	6.57 ng/ul	512241	Acenaphthene-d10	14.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	58
5	2-Fluorenamine	181	C13H11N	000153-78-6	55





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Sample : H4385-09
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ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS003-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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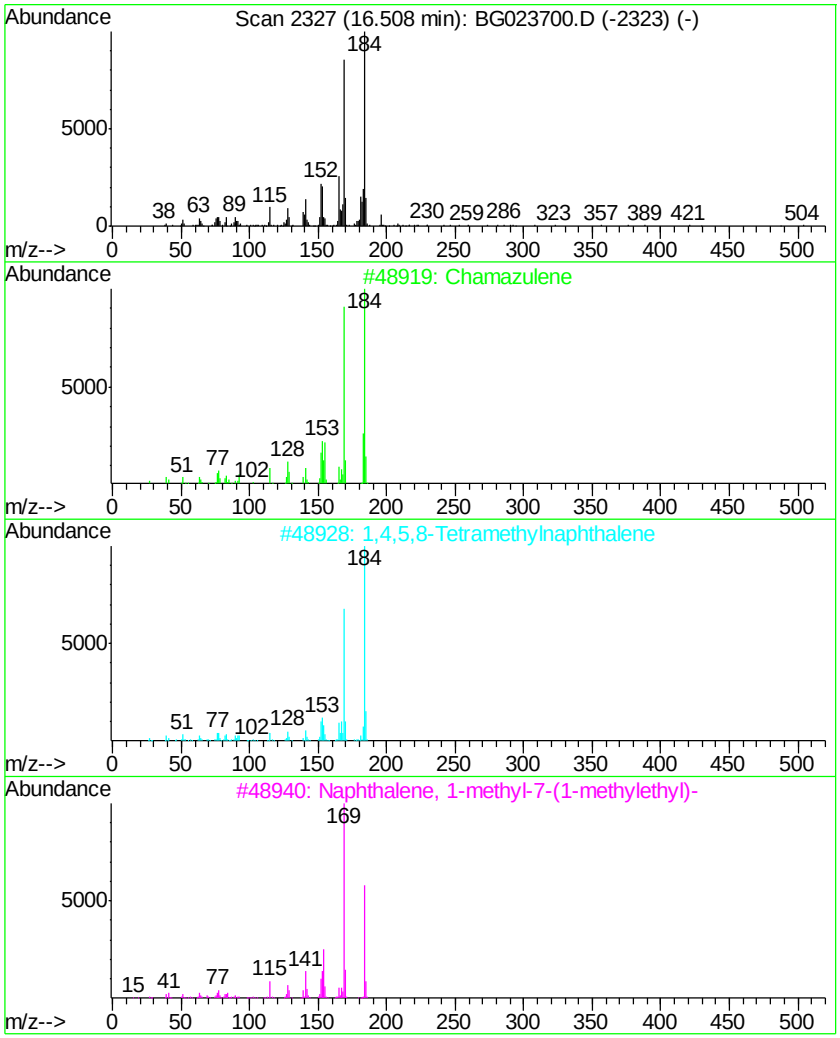
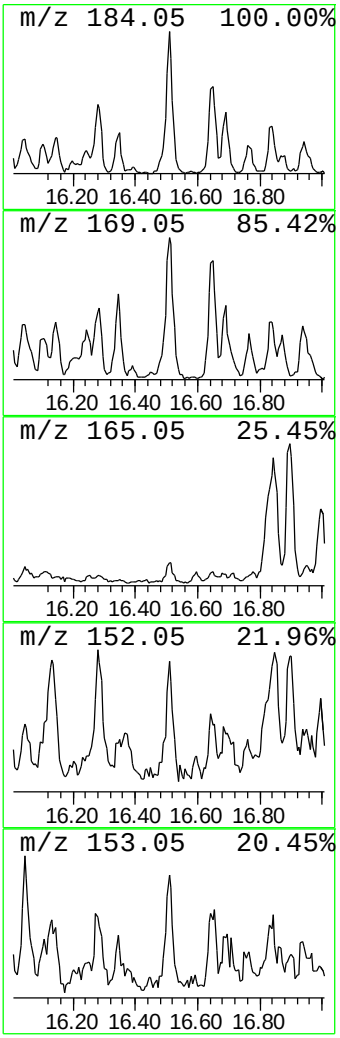
Peak Number 10 Chamazulene Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.51	6.42 ng/ul	581494	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chamazulene	184	C14H16	000529-05-5	91
2	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	72
3	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	70
4	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	68
5	3,4-Dimethoxy-6-methylpyrocatechol	184	C9H12O4	054826-79-8	62





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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS003-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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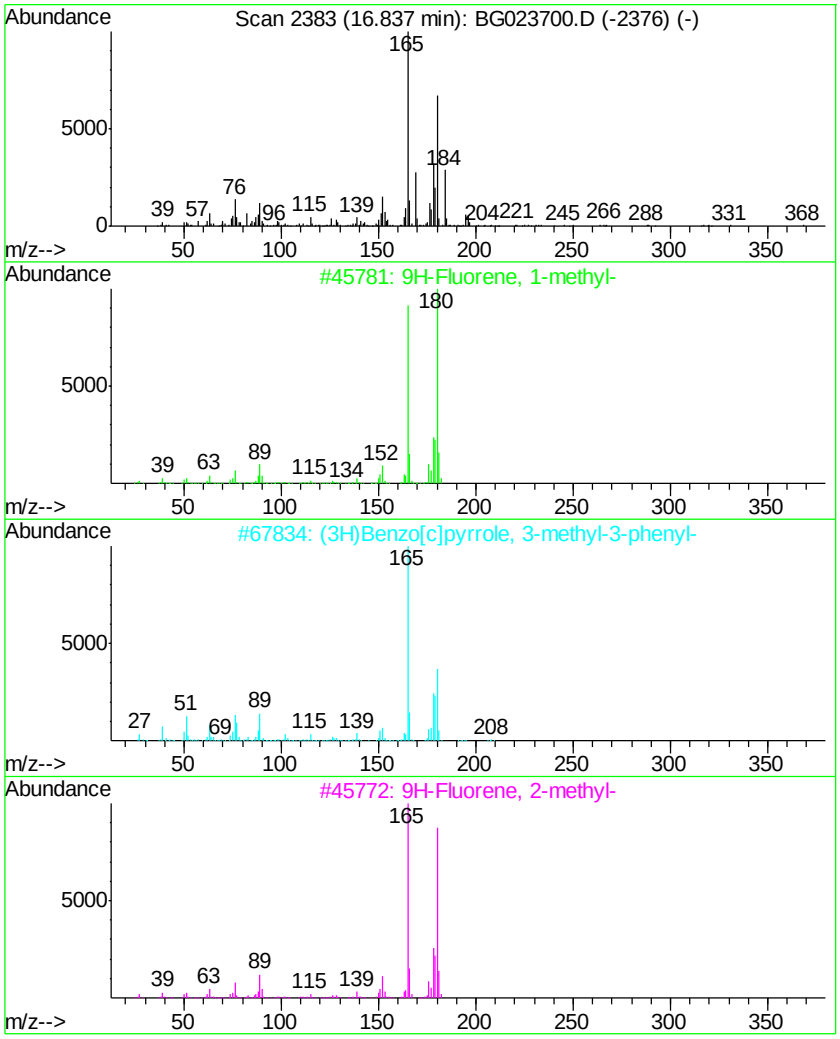
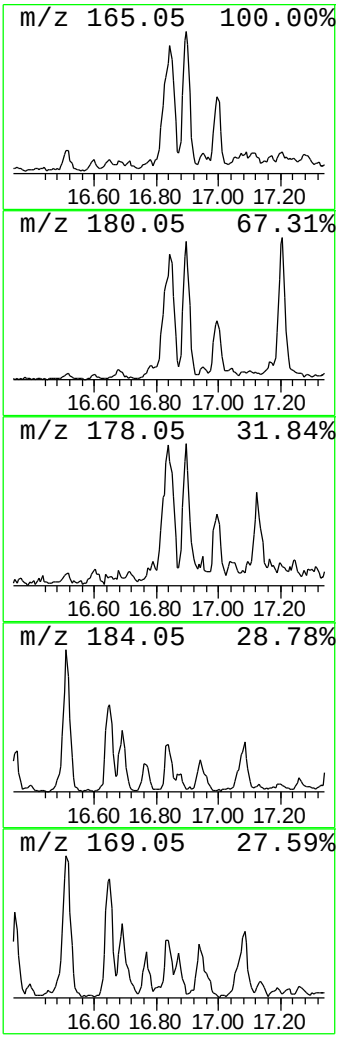
Peak Number 11 9H-Fluorene, 1-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.84	10.52 ng/ul	952460	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	91
2	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	83
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	78
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	78
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	78





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Instrument : BNA_G
ClientSampleId : P002-SS003-0612-01

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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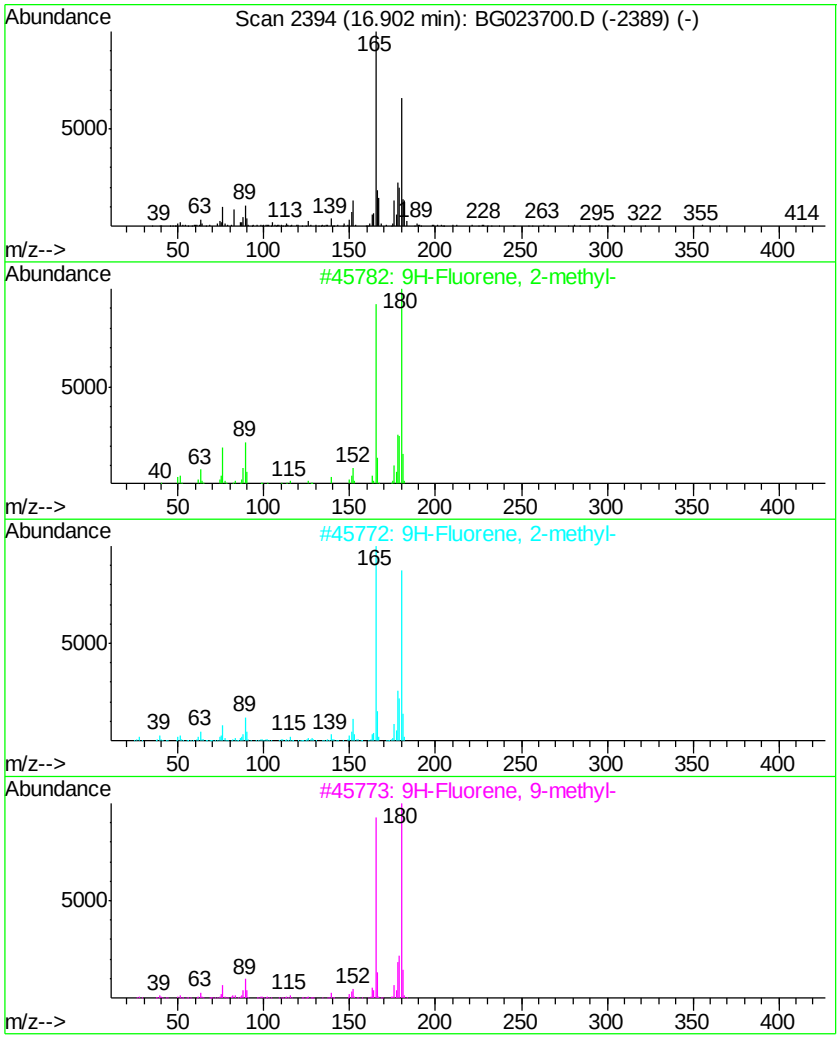
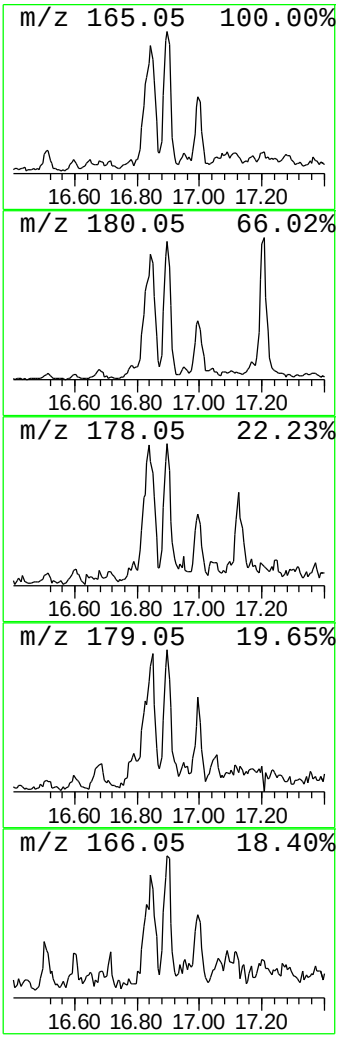
Peak Number 12 9H-Fluorene, 2-methyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.90	6.22 ng/ul	562662	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	90
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	81





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ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS003-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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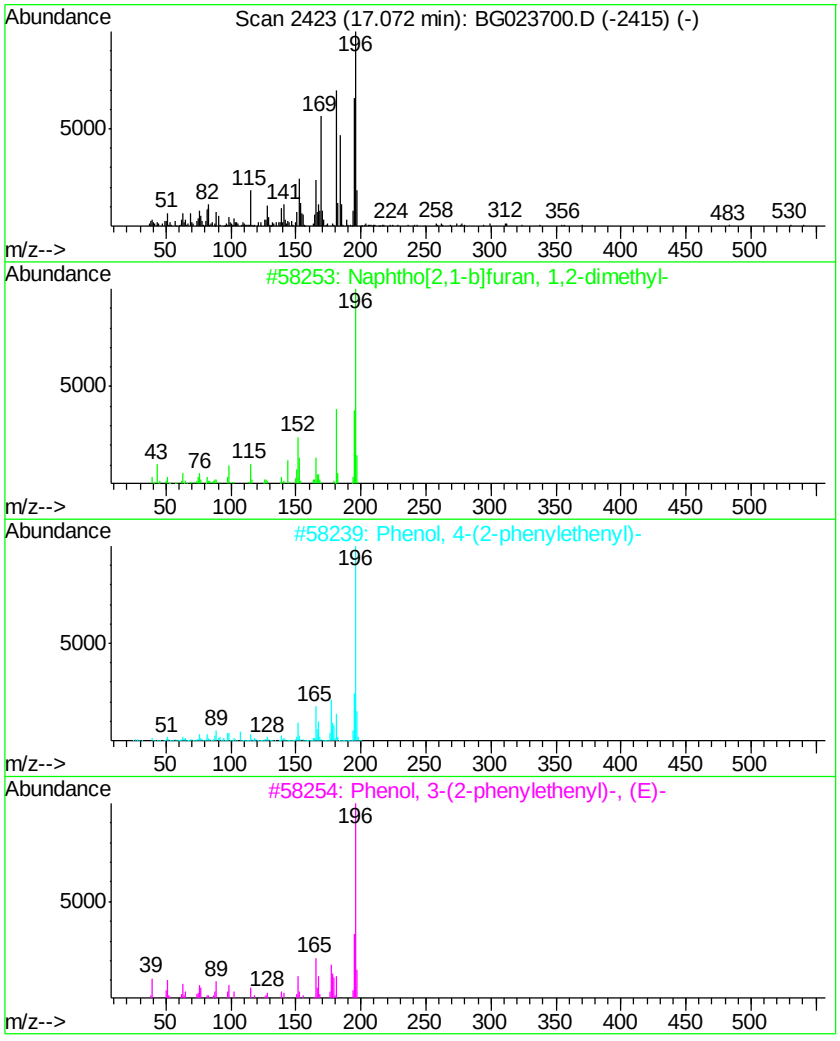
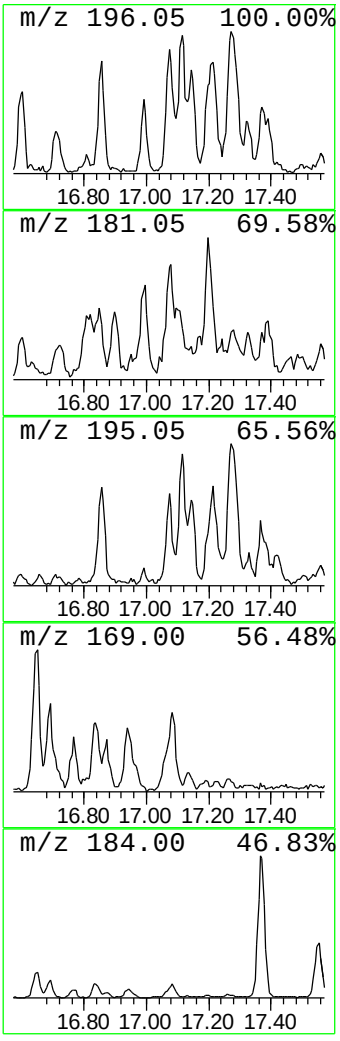
Peak Number 13 Naphtho[2,1-b]furan, 1,2-di... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.07	5.58 ng/ul	505265	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	46
2	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	45
3	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	45
4	Benzene, 1-methyl-3-[(4-methylph...	196	C15H16	021895-16-9	43
5	Ethanone, 1-(4-hydroxy-3,5-dimet...	196	C10H12O4	002478-38-8	38





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Misc :
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Instrument : BNA_G
ClientSampleId : P002-SS003-0612-01

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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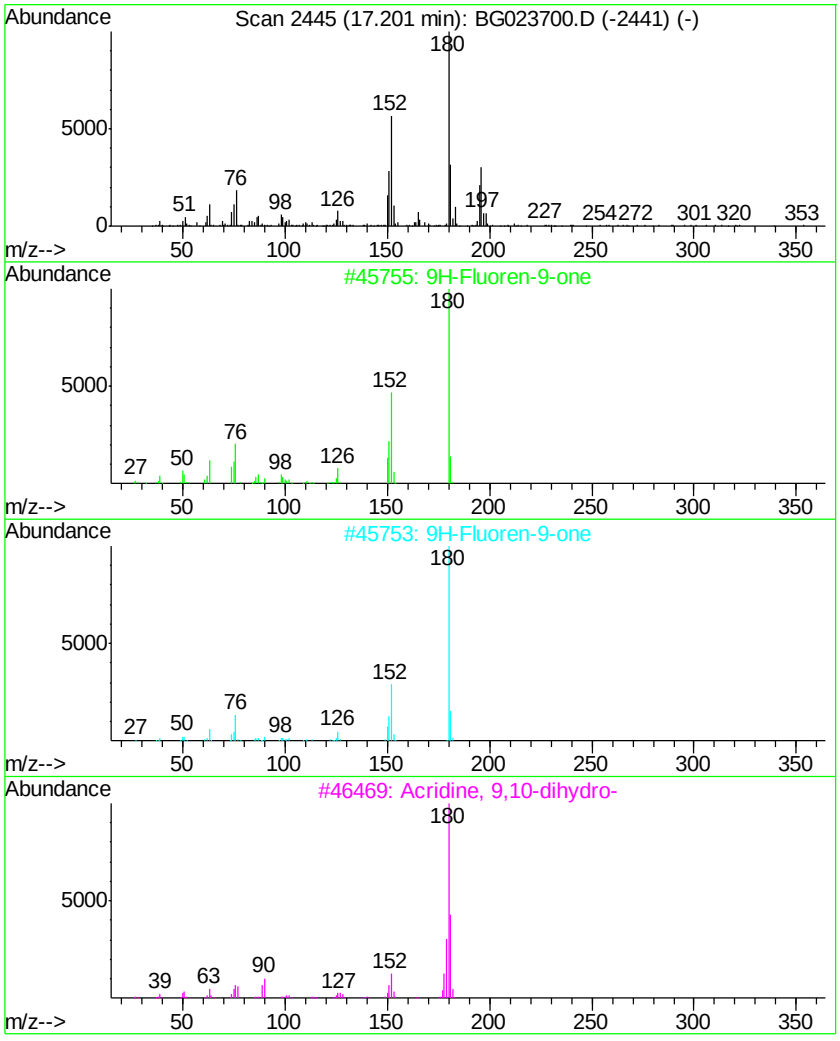
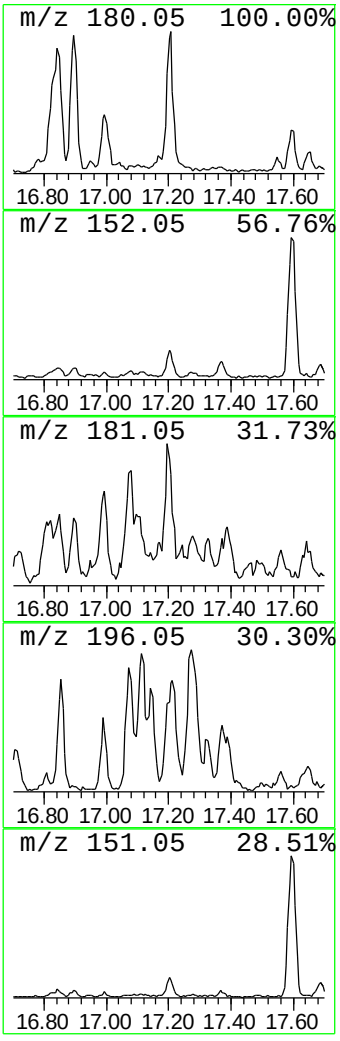
Peak Number 14 9H-Fluoren-9-one Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.20	6.29 ng/ul	569596	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
3	Acridine, 9,10-dihydro-	181	C13H11N	000092-81-9	64
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	62
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	60





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Sample : H4385-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS003-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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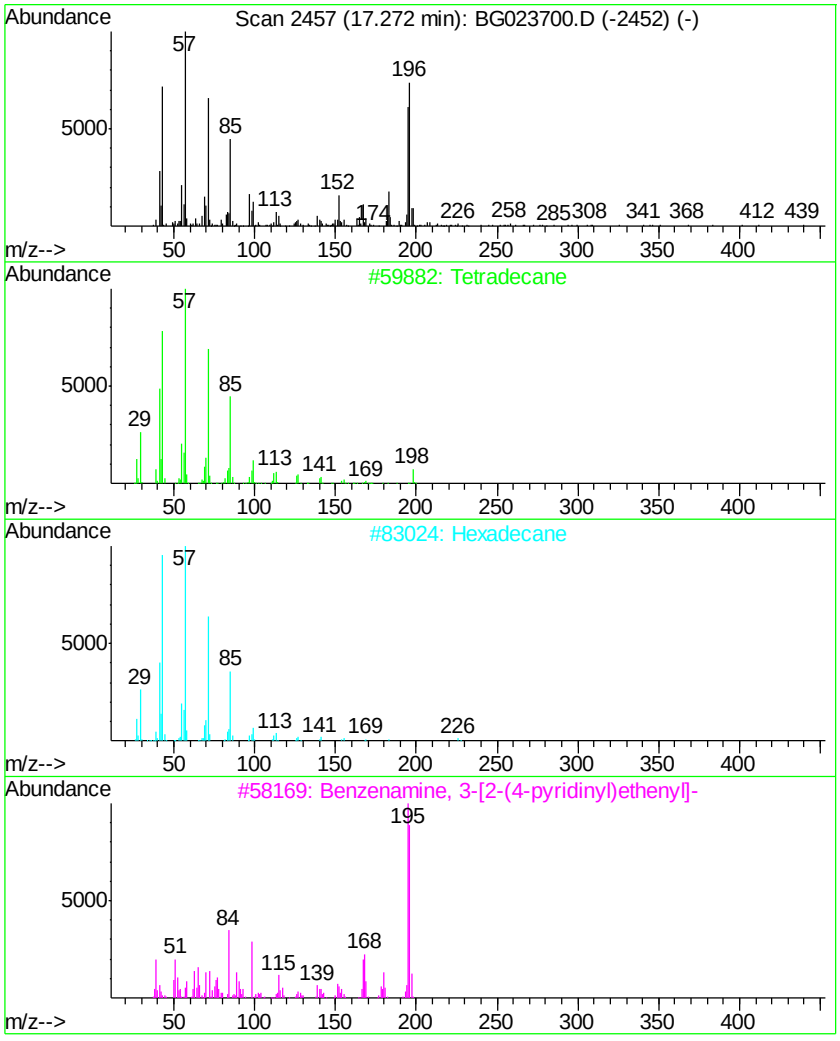
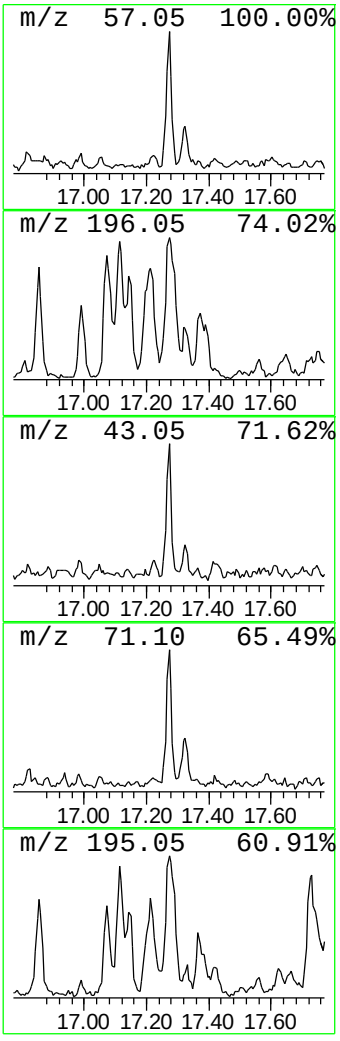
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.27	5.60 ng/ul	506783	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	72
2	Hexadecane	226	C16H34	000544-76-3	62
3	Benzenamine, 3-[2-(4-pyridinyl)e...	196	C13H12N2	1000337-31-3	55
4	Tridecane	184	C13H28	000629-50-5	48
5	Tetradecane	198	C14H30	000629-59-4	47





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ClientSampleId : P002-SS003-0612-01

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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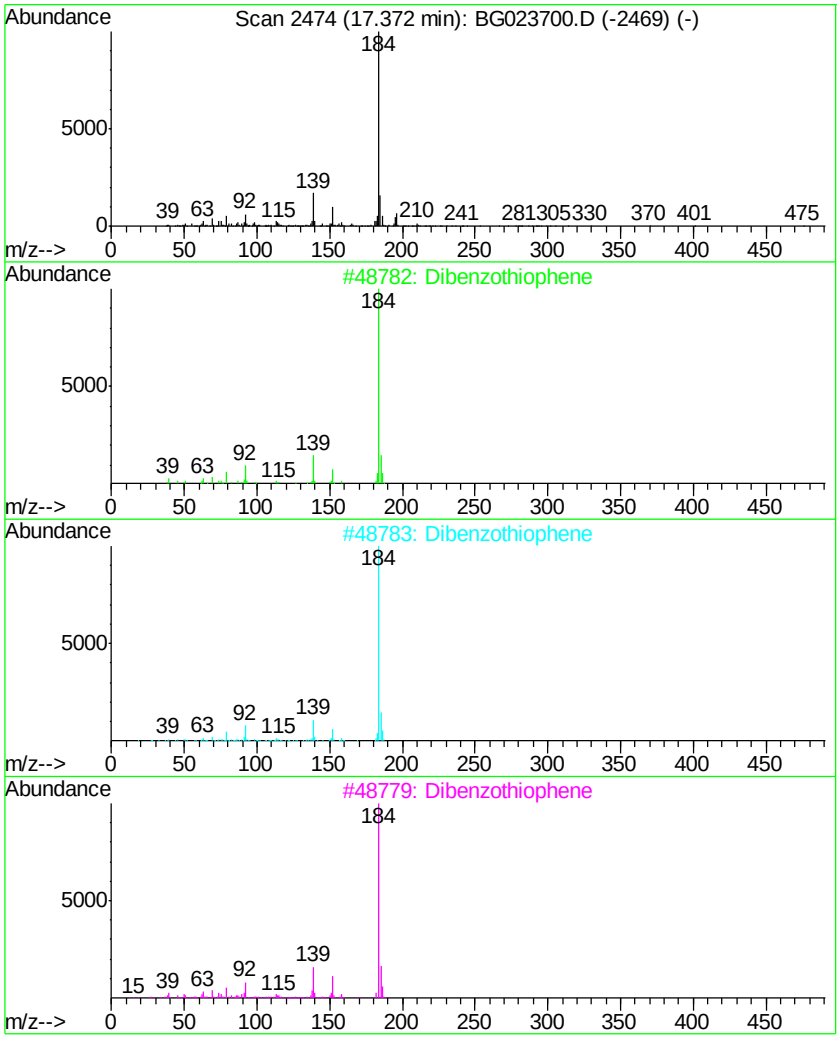
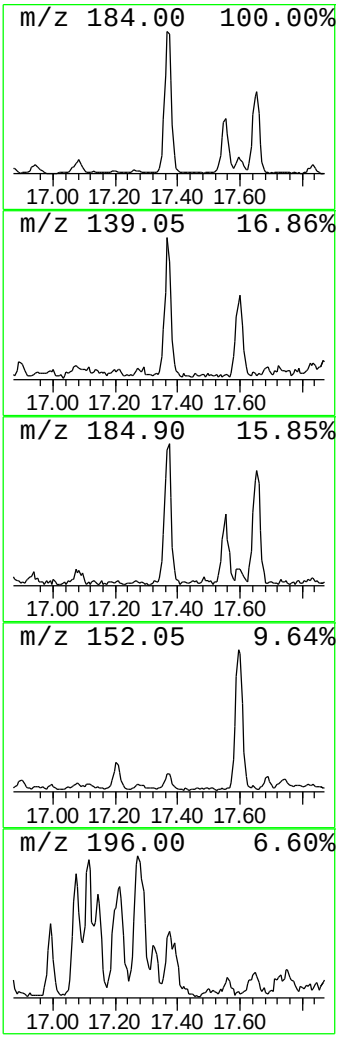
Peak Number 16 Dibenzothiophene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.37	8.35 ng/ul	755848	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	93
3	Dibenzothiophene	184	C12H8S	000132-65-0	90
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	87
5	Dibenzothiophene	184	C12H8S	000132-65-0	81





Library Search Compound Report

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Misc :
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Instrument : BNA_G
ClientSampleId : P002-SS003-0612-01

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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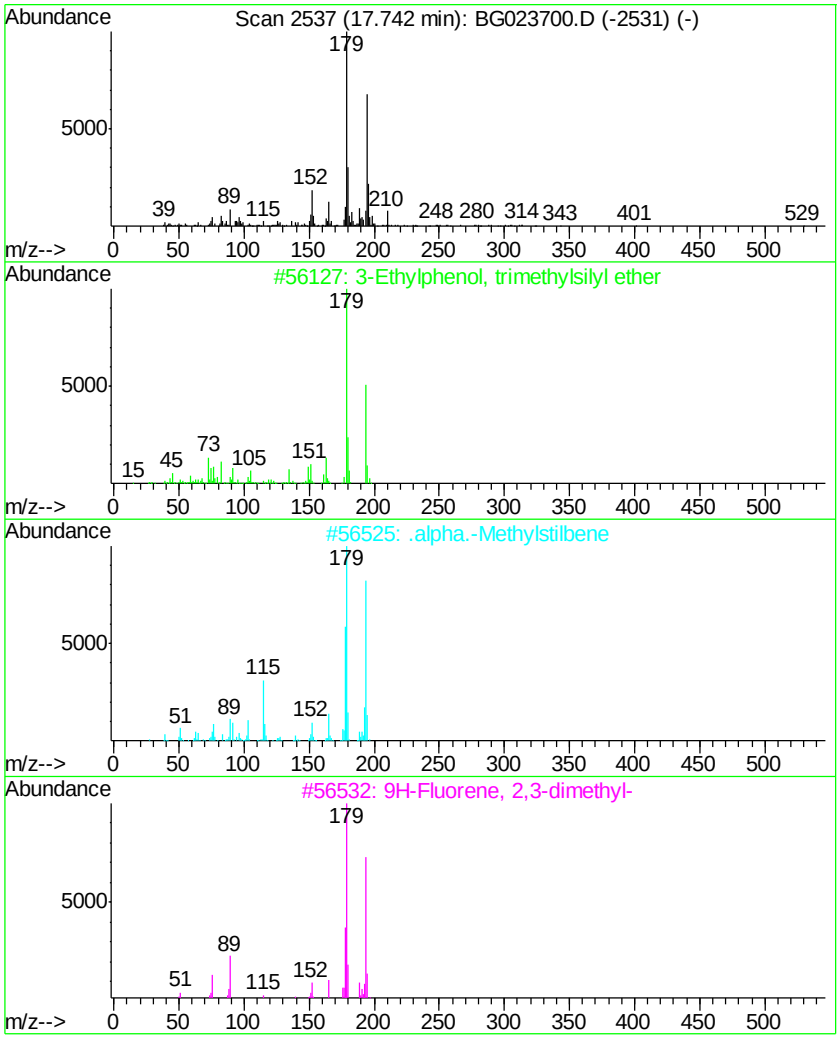
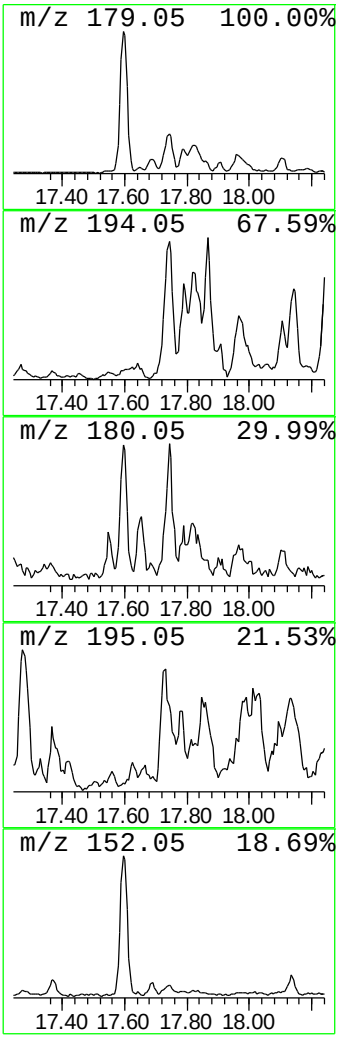
Peak Number 17 3-Ethylphenol, trimethylsil... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.74	5.51 ng/ul	498798	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Ethylphenol, trimethylsilyl ether	194	C11H18OSi	1000333-41-3	59
2	.alpha.-Methylstilbene	194	C15H14	000779-51-1	58
3	9H-Fluorene, 2,3-dimethyl-	194	C15H14	004612-63-9	58
4	Silane, (2,4-dimethylphenoxy)tri...	194	C11H18OSi	016414-81-6	53
5	Stilbene, .alpha.-methyl-, (E)-	194	C15H14	000833-81-8	50





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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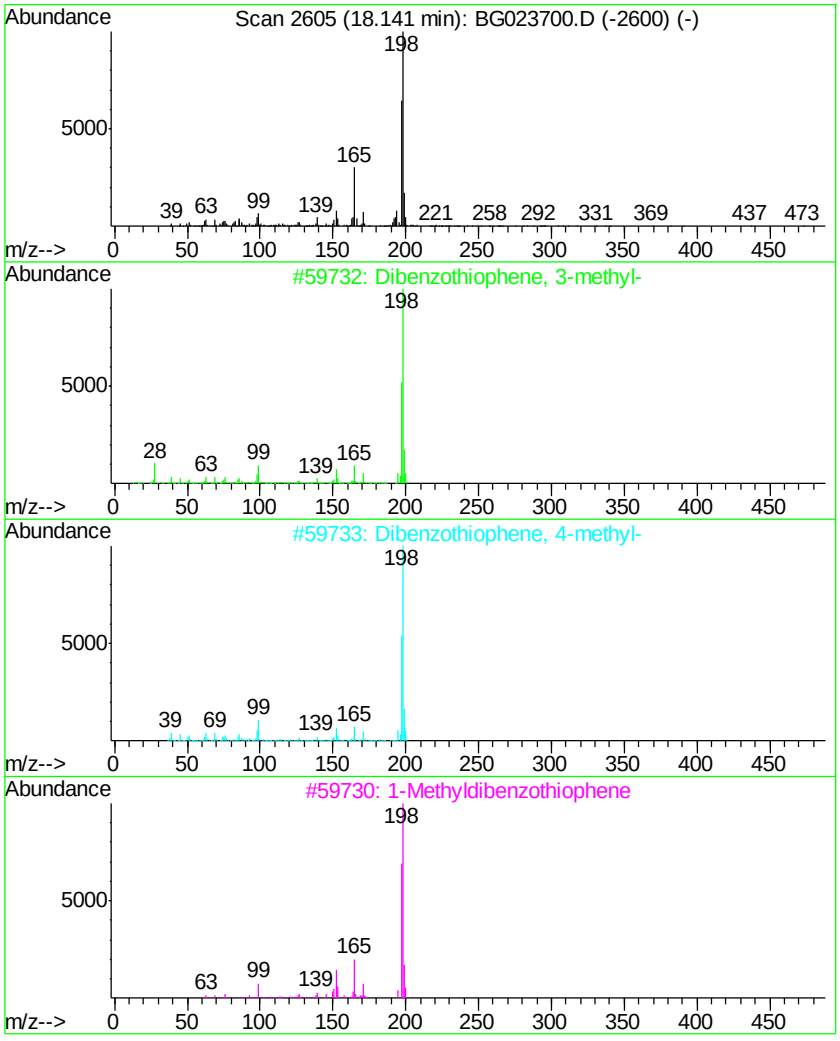
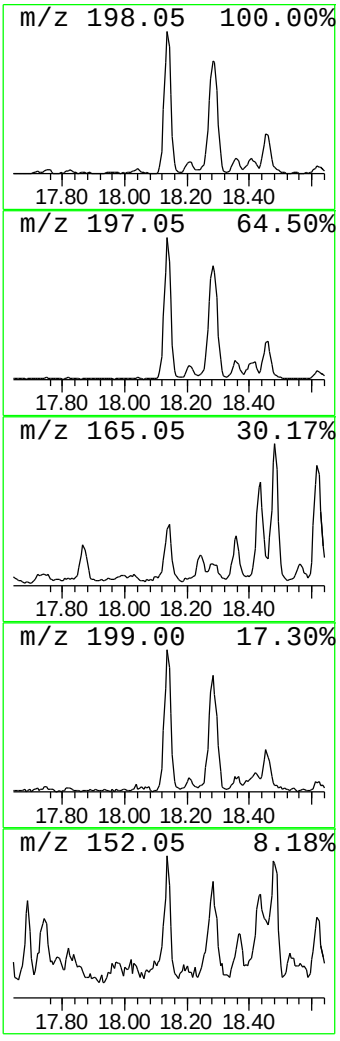
Peak Number 18 Dibenzothiophene, 3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	13.55 ng/ul	1226080	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	87
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	83
3	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	72
4	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	59
5	Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	017404-69-2	59





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Data File : BG023700.D
Acq On : 13 Aug 2016 22:53
Operator : UM/SJ
Sample : H4385-09
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ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS003-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

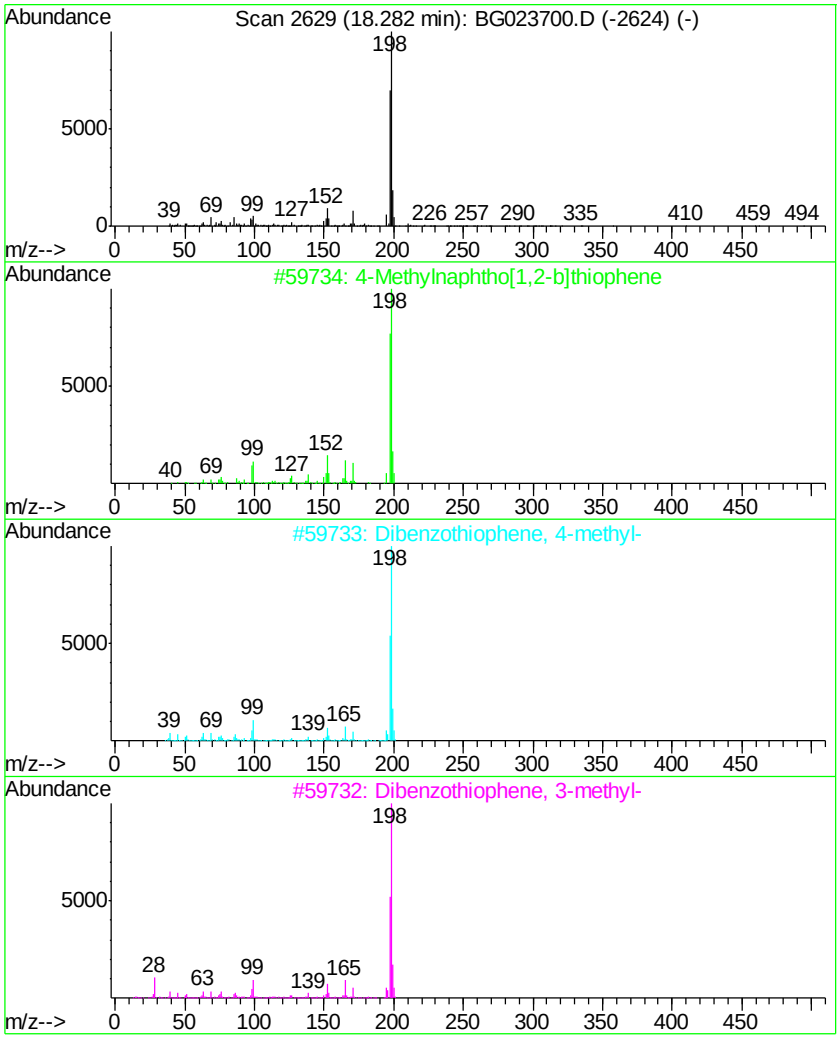
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

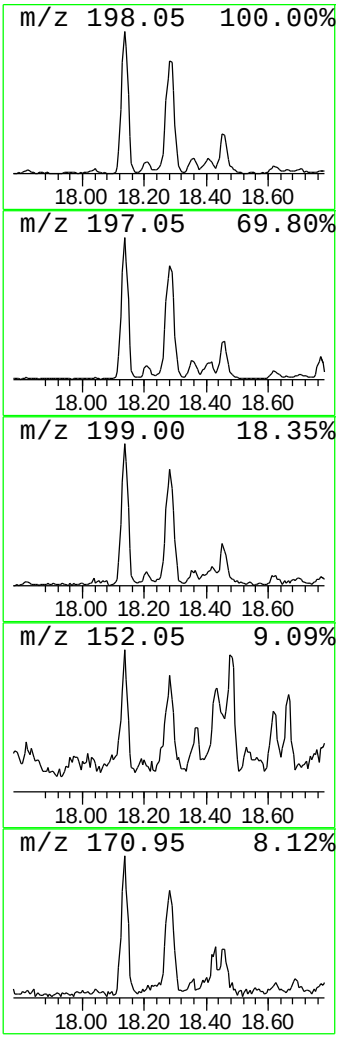
****

Peak Number 19 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.28	11.52 ng/ul	1042280	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	95
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	91
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	90
4	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	86
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	78





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Data File : BG023700.D
Acq On : 13 Aug 2016 22:53
Operator : UM/SJ
Sample : H4385-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS003-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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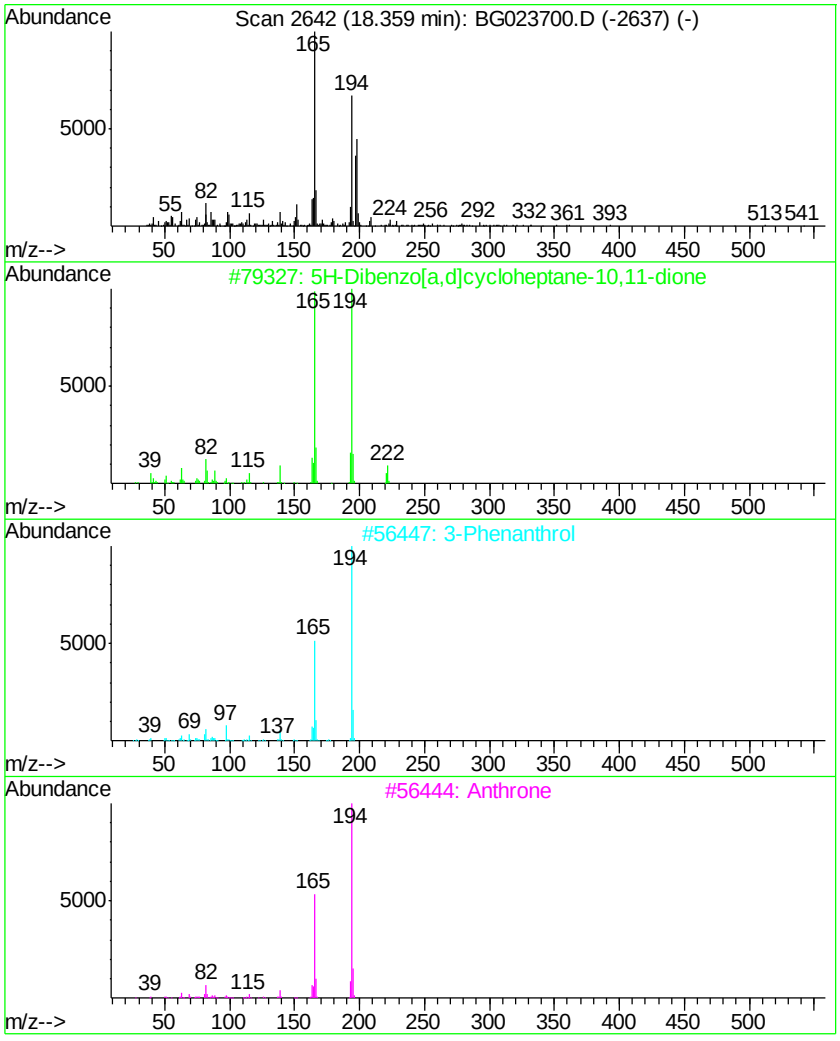
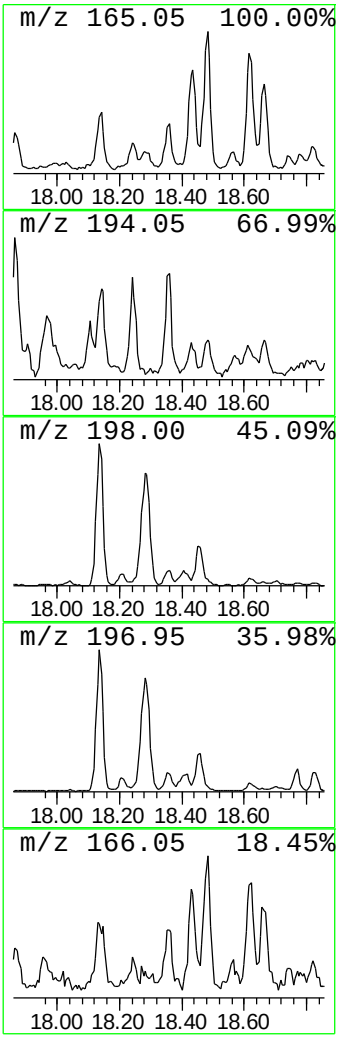
Peak Number 20 5H-Dibenzo[a,d]cycloheptane... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	5.01 ng/ul	453673	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptane-10,1...	222	C15H10O2	052559-75-8	62
2	3-Phenanthrol	194	C14H10O	000605-87-8	58
3	Anthrone	194	C14H10O	000090-44-8	58
4	Anthrone	194	C14H10O	000090-44-8	50
5	Phthalide, 4,6-dimethoxy-	194	C10H10O4	058545-97-4	47





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081316\
Data File : BG023700.D
Acq On : 13 Aug 2016 22:53
Operator : UM/SJ
Sample : H4385-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS003-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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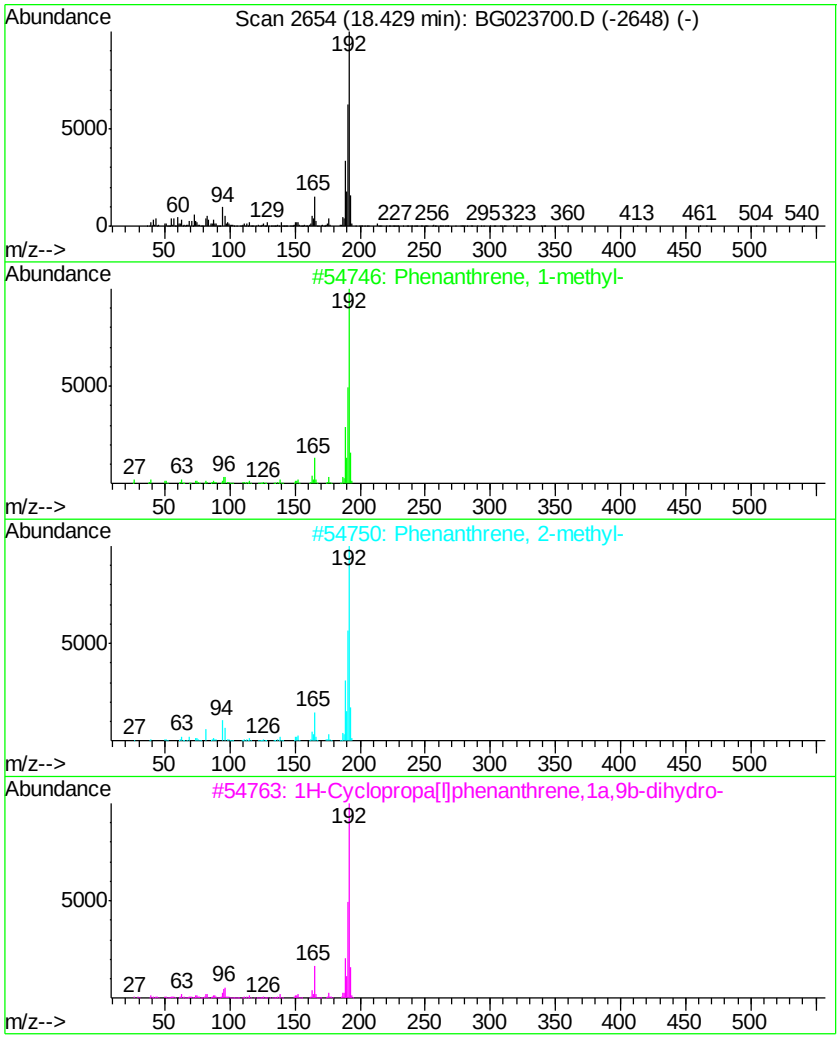
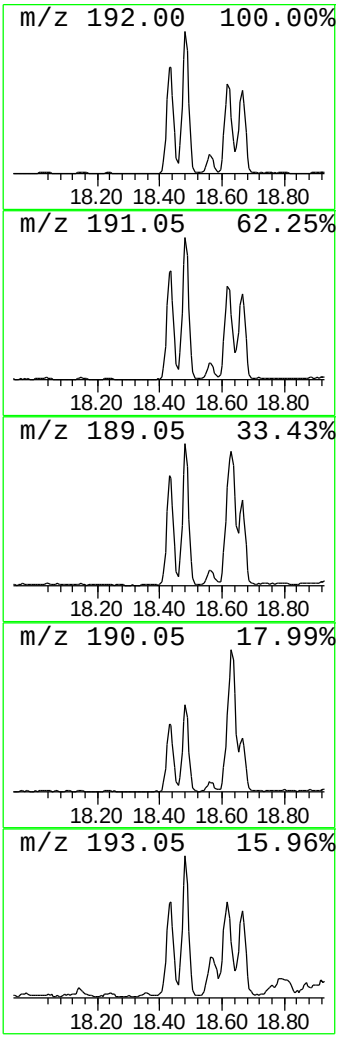
Peak Number 21 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	44.77 ng/ul	4052300	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





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Operator : UM/SJ
Sample : H4385-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS003-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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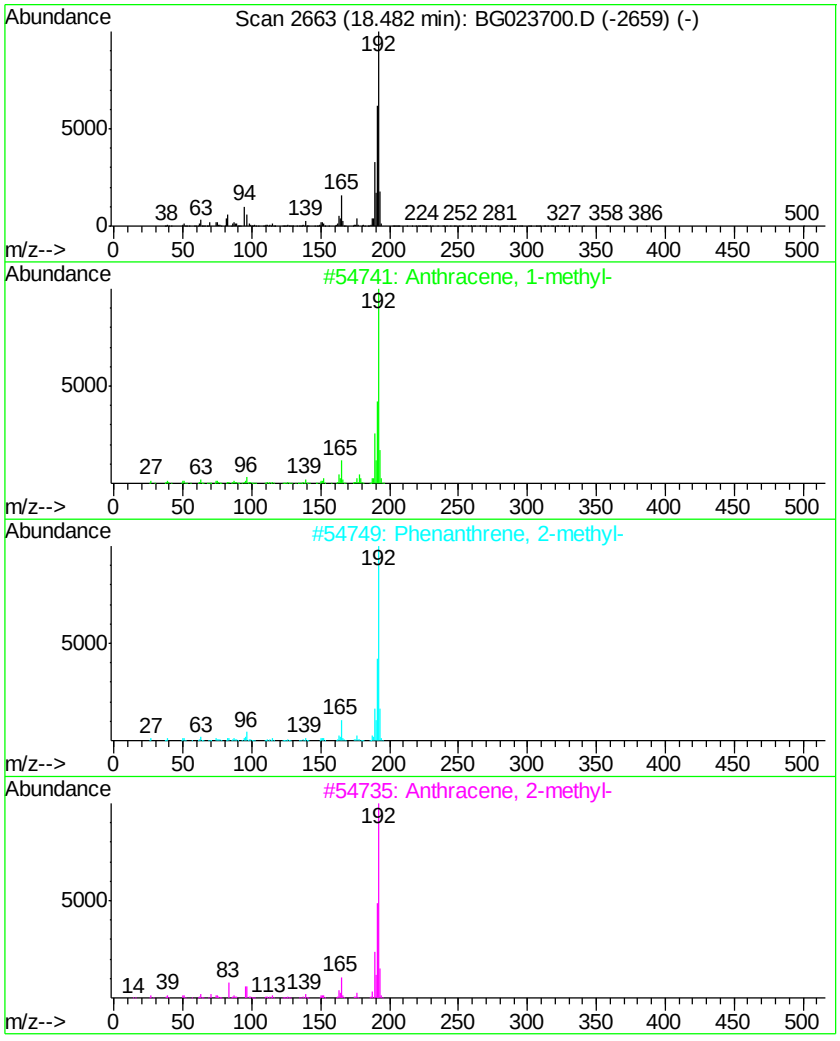
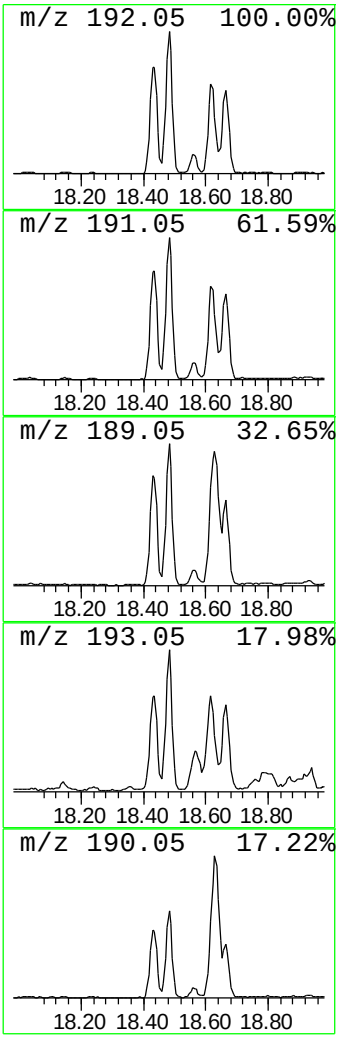
Peak Number 22 Anthracene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	45.86 ng/ul	4150510	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94





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Operator : UM/SJ
Sample : H4385-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS003-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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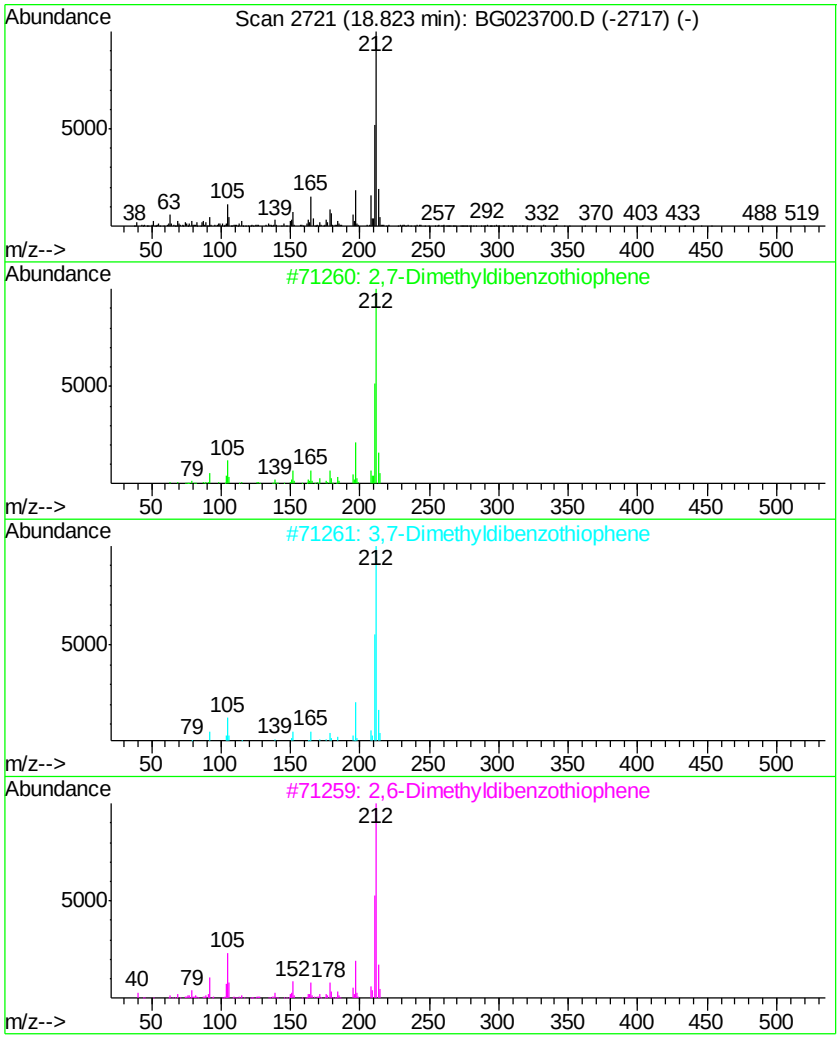
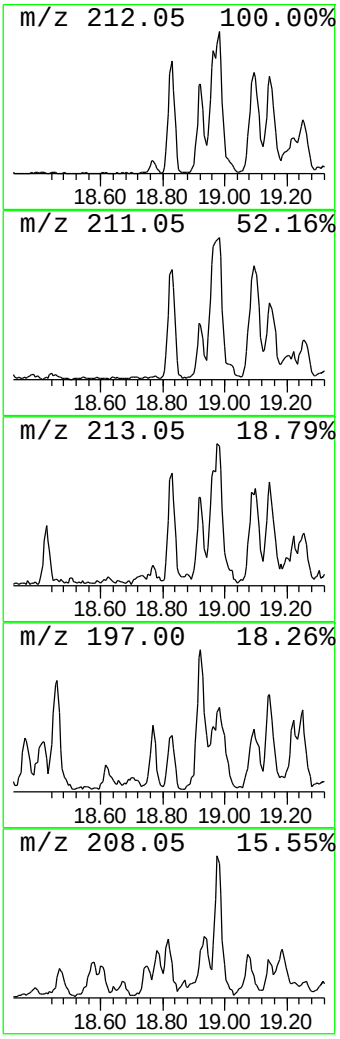
Peak Number 26 2,7-Dimethyldibenzothiophene Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	6.64 ng/ul	601165	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,7-Dimethyldibenzothiophene	212	C14H12S	031317-19-8	93
2	3,7-Dimethyldibenzothiophene	212	C14H12S	001136-85-2	93
3	2,6-Dimethyldibenzothiophene	212	C14H12S	089816-75-1	93
4	Dibenzothiophene, 4,6-dimethyl-	212	C14H12S	001207-12-1	93
5	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	80





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Operator : UM/SJ
Sample : H4385-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS003-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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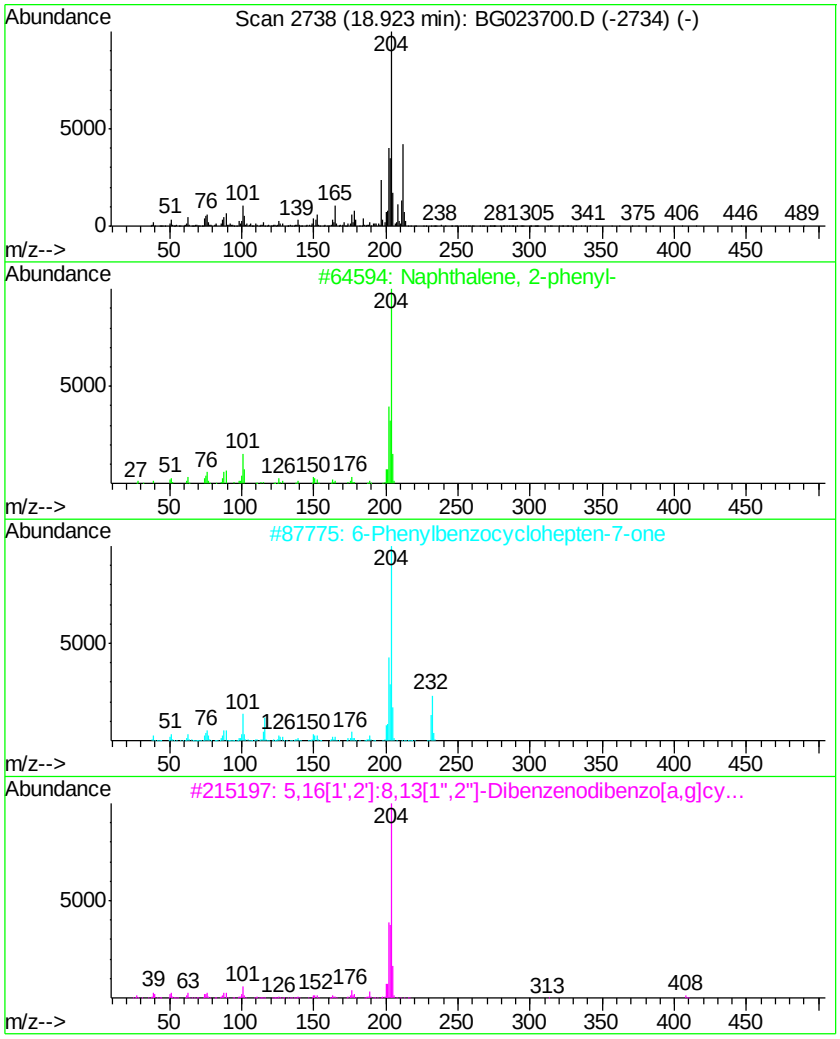
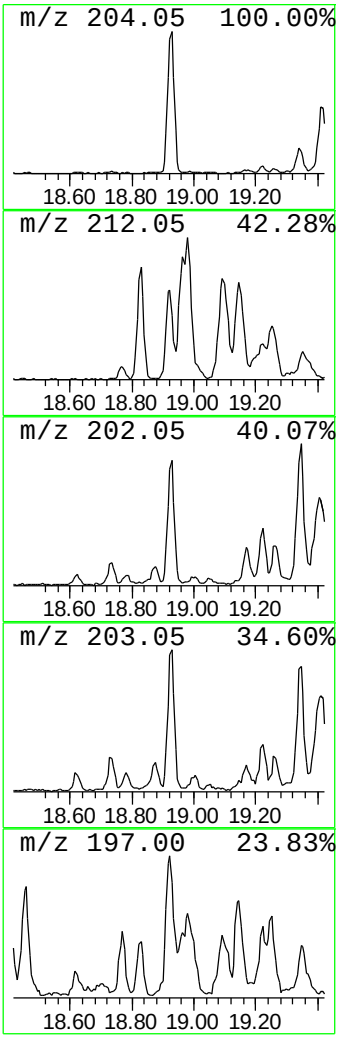
Peak Number 27 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.92	15.94 ng/ul	1442470	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	49
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	49
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	46
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	46





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Operator : UM/SJ
Sample : H4385-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS003-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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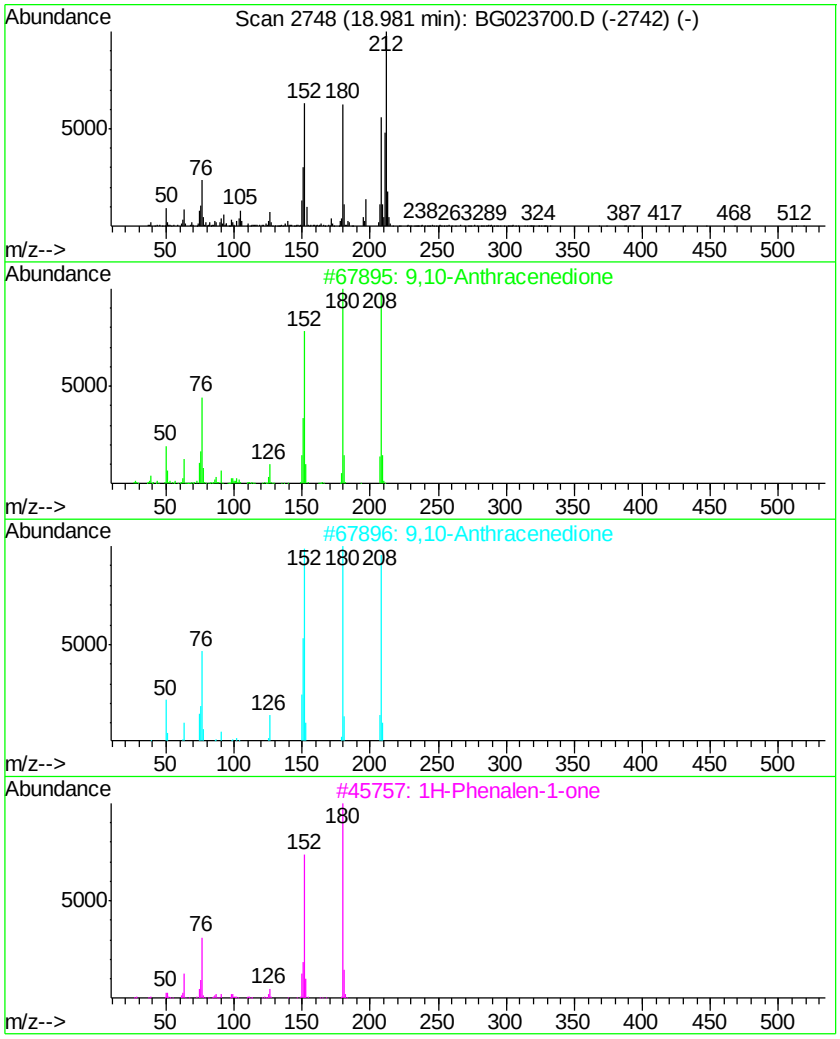
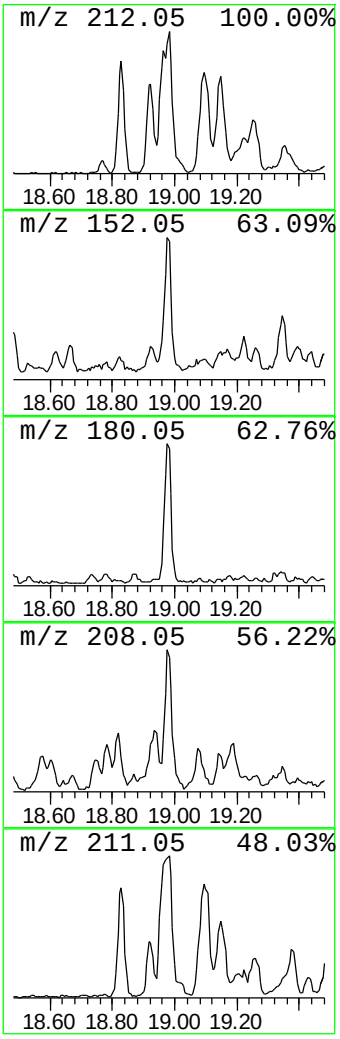
Peak Number 28 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.98	19.87 ng/ul	1798420	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	72
4	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	52
5	3,7-Dimethyldibenzothiophene	212	C14H12S	001136-85-2	43





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Acq On : 13 Aug 2016 22:53
Operator : UM/SJ
Sample : H4385-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS003-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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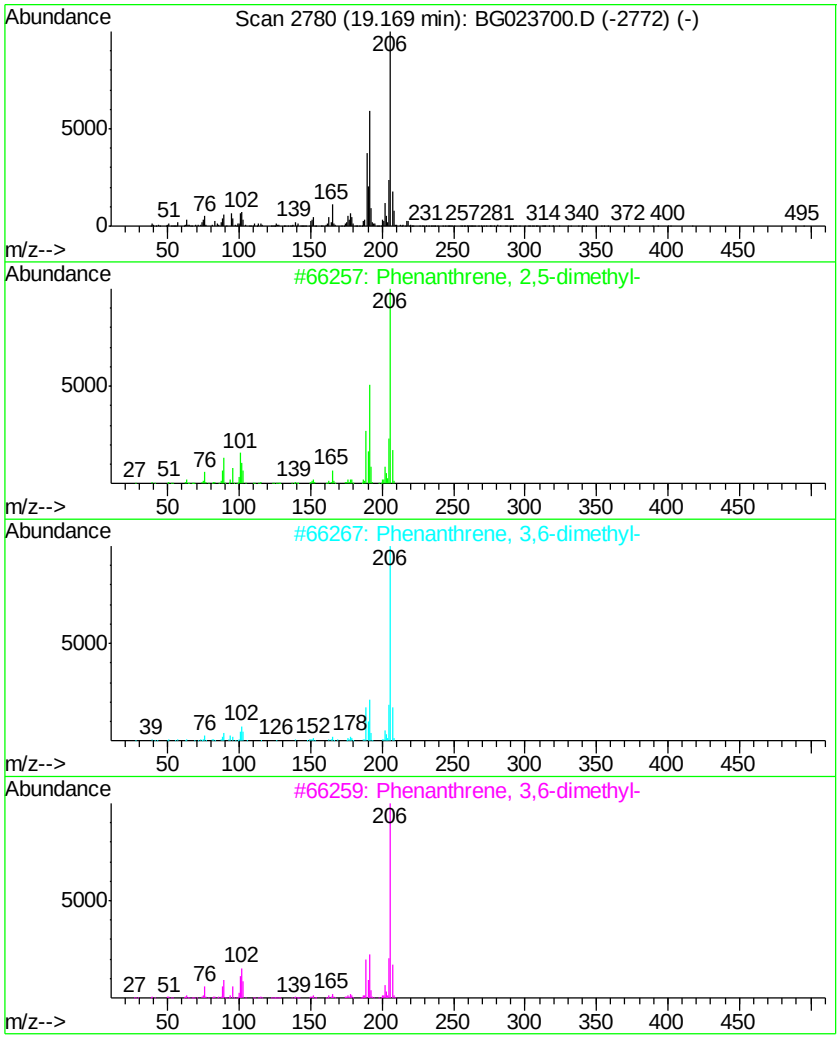
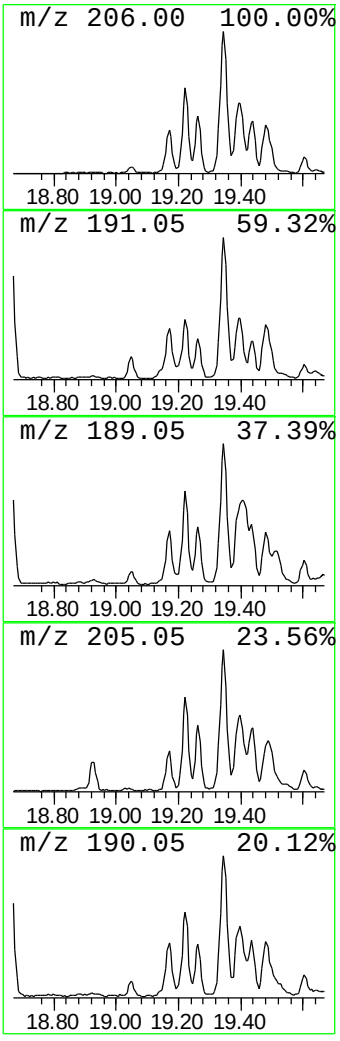
Peak Number 30 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.17	22.22 ng/ul	2010990	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	87





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Acq On : 13 Aug 2016 22:53
Operator : UM/SJ
Sample : H4385-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS003-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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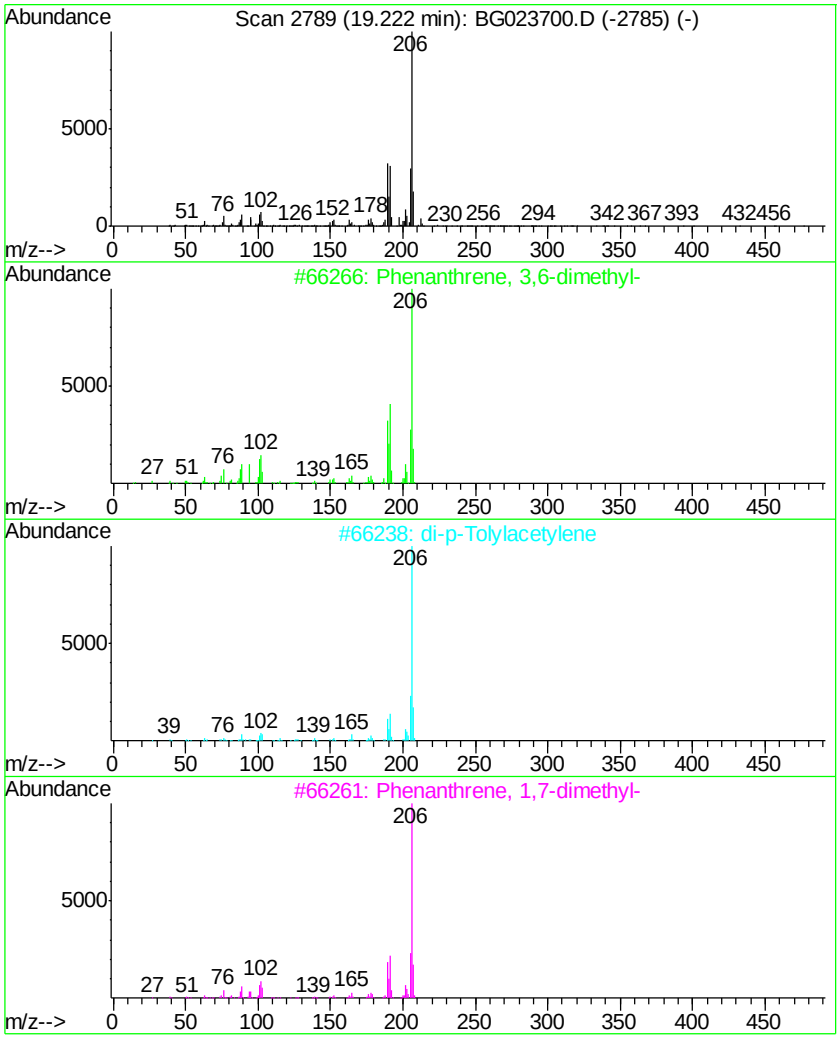
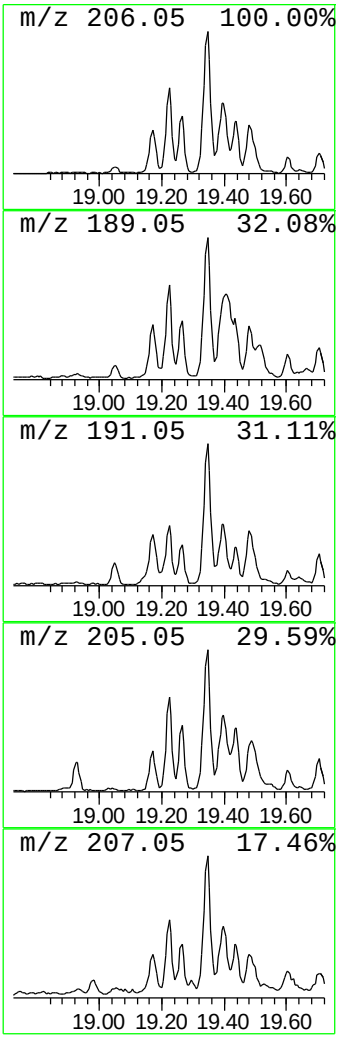
Peak Number 31 Phenanthrene, 3,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.22	17.68 ng/ul	1600120	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





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Operator : UM/SJ
Sample : H4385-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS003-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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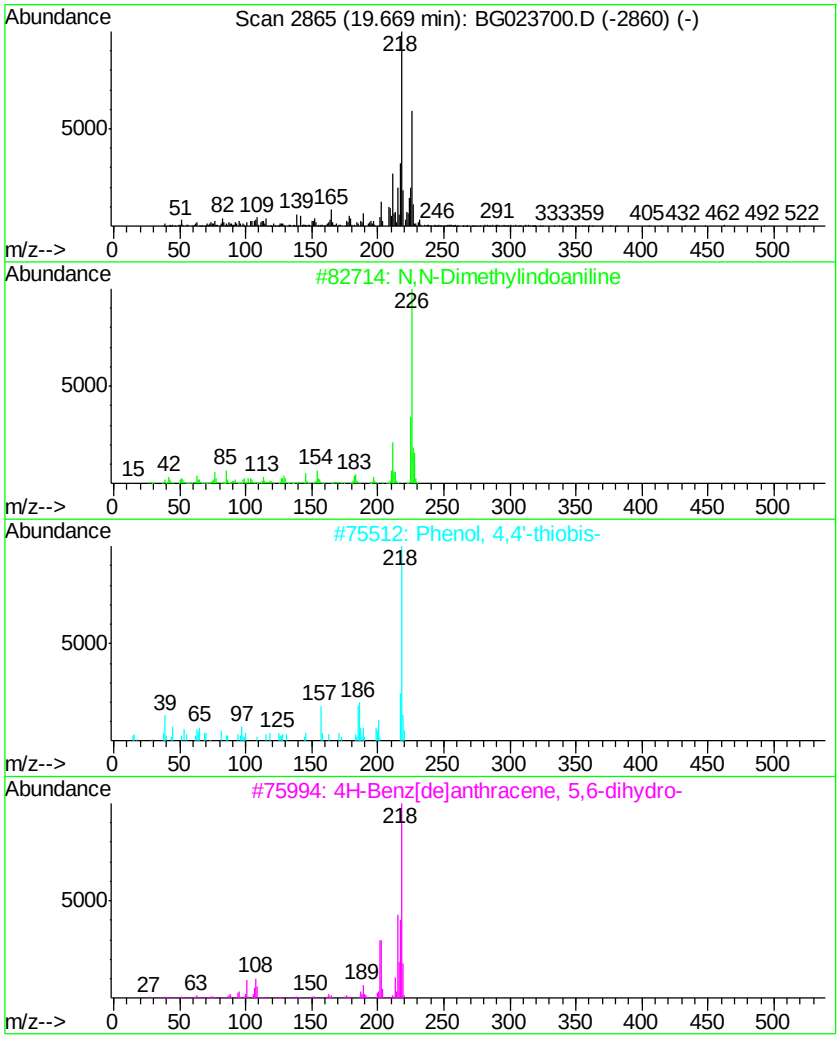
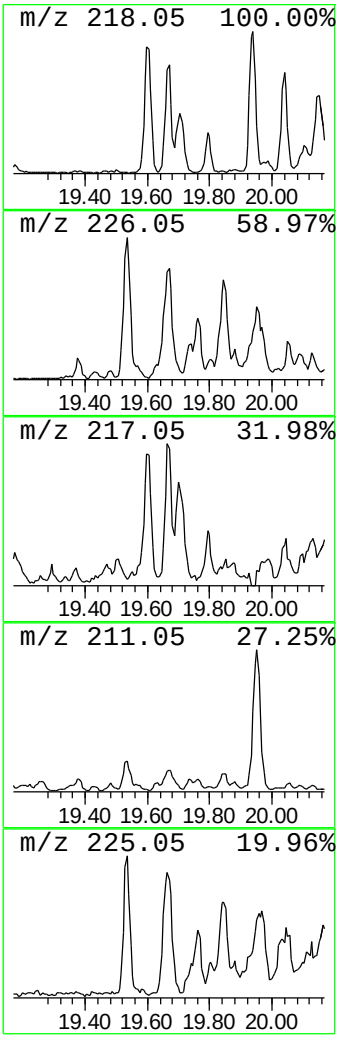
Peak Number 37 unknown-01 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.67	8.92 ng/ul	807763	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N,N-Dimethylindoaniline	226	C14H14N2O	002150-58-5	38
2	Phenol, 4,4'-thiobis-	218	C12H10O2S	002664-63-3	30
3	4H-Benz[de]anthracene, 5,6-dihydro-	218	C17H14	004389-09-7	27
4	1H-Pyrrolo[3,4-c]quinoline-1,3,4...	218	C11H10N2O3	181021-85-2	27
5	l-Valine, n-pentafluoropropionyl...	473	C23H40F5NO3	1000320-88-9	22





Tentatively Identified Compound (LSC) summary

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Data File : BG023700.D
Acq On : 13 Aug 2016 22:53
Operator : UM/SJ
Sample : H4385-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS003-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Naphthalene, 1-me...	12.83	7.7	ng/ul	454166	2	10.95	1182830	20.0
Naphthalene, 2,6-...	13.95	10.8	ng/ul	843843	3	14.79	1560430	20.0
Naphthalene, 1,4-...	14.10	13.9	ng/ul	1080380	3	14.79	1560430	20.0
Naphthalene, 2,3-...	14.34	5.8	ng/ul	451680	3	14.79	1560430	20.0
Naphthalene, 2,3,...	15.18	9.9	ng/ul	776452	3	14.79	1560430	20.0
Naphthalene, 1,4,...	15.45	5.6	ng/ul	439617	3	14.79	1560430	20.0
Dibenzofuran, 4-m...	16.13	6.6	ng/ul	512241	3	14.79	1560430	20.0
Chamazulene	16.51	6.4	ng/ul	581494	4	17.55	1810200	20.0
9H-Fluorene, 1-me...	16.84	10.5	ng/ul	952460	4	17.55	1810200	20.0
9H-Fluorene, 2-me...	16.90	6.2	ng/ul	562662	4	17.55	1810200	20.0
Naphtho[2,1-b]fur...	17.07	5.6	ng/ul	505265	4	17.55	1810200	20.0
9H-Fluoren-9-one	17.20	6.3	ng/ul	569596	4	17.55	1810200	20.0
(DEL) Alkane: Str...	17.27	5.6	ng/ul	506783	4	17.55	1810200	20.0
Dibenzothiophene	17.37	8.3	ng/ul	755848	4	17.55	1810200	20.0
3-Ethylphenol, tr...	17.74	5.5	ng/ul	498798	4	17.55	1810200	20.0
Dibenzothiophene,...	18.14	13.6	ng/ul	1226080	4	17.55	1810200	20.0
4-Methylnaphtho[1...	18.28	11.5	ng/ul	1042280	4	17.55	1810200	20.0
5H-Dibenzo[a,d]cy...	18.36	5.0	ng/ul	453673	4	17.55	1810200	20.0
Phenanthrene, 1-m...	18.43	44.8	ng/ul	4052300	4	17.55	1810200	20.0
Anthracene, 1-met...	18.48	45.9	ng/ul	4150510	4	17.55	1810200	20.0
2,7-Dimethyldiben...	18.82	6.6	ng/ul	601165	4	17.55	1810200	20.0
Naphthalene, 2-ph...	18.92	15.9	ng/ul	1442470	4	17.55	1810200	20.0
9,10-Anthracenedione	18.98	19.9	ng/ul	1798420	4	17.55	1810200	20.0
Phenanthrene, 2,5...	19.17	22.2	ng/ul	2010990	4	17.55	1810200	20.0
Phenanthrene, 3,6...	19.22	17.7	ng/ul	1600120	4	17.55	1810200	20.0
unknown-01	19.67	8.9	ng/ul	807763	4	17.55	1810200	20.0