LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011316\
Data File : BG020725.D
Acq On : 14 Jan 2016 7:25
Operator : SJ/IZ
Sample : H1096-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC939

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-BG011216.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	3.051	31	36	40	rBV	63767	111701	7.59%	0.503%
2	3.086	40	42	45	rVV	32406	42831	2.91%	0.193%
3	3.128	45	49	56	rVV	133395	204738	13.92%	0.921%
4	4.397	259	265	271	rBV	58796	86727	5.90%	0.390%
5	4.820	331	337	345	rBV	36167	55689	3.79%	0.251%
6	7.205	737	743	752	rBV	47764	87103	5.92%	0.392%
7	7.364	763	770	780	rBV	39306	65809	4.47%	0.296%
8	7.575	799	806	816	rBV	52676	90997	6.19%	0.409%
9	8.040	879	885	893	rBV	74736	126300	8.59%	0.568%
10	8.750	1000	1006	1015	rBV2	54574	96815	6.58%	0.436%
11	9.215	1077	1085	1093	rBV	52036	93826	6.38%	0.422%
12	9.937	1202	1208	1219	rVB2	47198	83642	5.69%	0.376%
13	10.484	1295	1301	1311	rBV	72578	127520	8.67%	0.574%
14	10.860	1358	1365	1371	rBV	112207	195328	13.28%	0.879%
15	10.995	1382	1388	1400	rBV2	39006	74654	5.07%	0.336%
16	14.079	1905	1913	1918	rVV	155189	238769	16.23%	1.074%
17	14.126	1918	1921	1928	rVB	63991	86833	5.90%	0.391%
18	14.379	1957	1964	1975	rBV	167495	273367	18.58%	1.230%
19	14.685	2009	2016	2022	rVV2	186976	304772	20.72%	1.371%
20	14.896	2042	2052	2061	rBV3	31445	64903	4.41%	0.292%
21	15.072	2075	2082	2091	rVV3	16876	36141	2.46%	0.163%
22	15.290	2114	2119	2124	rBV2	21813	37112	2.52%	0.167%
23	15.460	2140	2148	2152	rBV2	16228	36225	2.46%	0.163%
24	15.672	2179	2184	2189	rVV	233498	334942	22.77%	1.507%
25	15.807	2201	2207	2212	rBV	48026	85496	5.81%	0.385%
26	16.394	2304	2307	2318	rVB4	32703	66121	4.49%	0.297%
27	16.776	2369	2372	2378	rVB2	26506	39010	2.65%	0.175%
28	17.082	2418	2424	2429	rBV3	31207	51530	3.50%	0.232%
29	17.428	2477	2483	2486	rBV	249813	368782	25.07%	1.659%
30	17.470	2486	2490	2495	rVV	344187	515241	35.02%	2.318%
31	17.528	2495	2500	2504	rVV2	258356	391805	26.63%	1.763%
32	17.564	2504	2506	2509	rVV	40849	43437	2.95%	0.195%
33	17.622	2509	2516	2519	rVV2	25633	55116	3.75%	0.248%
34	17.940	2567	2570	2574	rBV	32408	38354	2.61%	0.173%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011316\
Data File : BG020725.D
Acq On : 14 Jan 2016 7:25
Operator : SJ/IZ
Sample : H1096-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC939

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-BG011216.M
Title : SVOA CALIBRATION

35	18.010	2577	2582	2589	rVB2	43254	78936	5.37%	0.355%
36	18.228	2614	2619	2623	rBV	26804	41118	2.79%	0.185%
37	18.304	2627	2632	2636	rVV	177658	270208	18.37%	1.216%
38	18.351	2636	2640	2646	rVB	203723	309391	21.03%	1.392%
39	18.433	2646	2654	2659	rBV2	54359	106077	7.21%	0.477%
40	18.492	2659	2664	2669	rVV3	236504	472584	32.12%	2.126%
41	18.533	2669	2671	2677	rVB	168039	219022	14.89%	0.985%
42	18.609	2677	2684	2688	rBV6	24582	40689	2.77%	0.183%
43	18.698	2694	2699	2702	rVB4	27488	39540	2.69%	0.178%
44	18.797	2711	2716	2720	rBV3	95060	147802	10.05%	0.665%
45	18.850	2720	2725	2734	rVB2	98634	173164	11.77%	0.779%
46	18.921	2734	2737	2743	rBV4	26146	52283	3.55%	0.235%
47	19.015	2749	2753	2754	rBV2	35860	38240	2.60%	0.172%
48	19.044	2754	2758	2762	rVV	63222	97390	6.62%	0.438%
49	19.091	2763	2766	2770	rVB	57254	66104	4.49%	0.297%
50	19.132	2770	2773	2780	rVB3	50084	74894	5.09%	0.337%
51	19.215	2781	2787	2791	rBV	237739	375462	25.52%	1.689%
52	19.273	2791	2797	2801	rBV3	64748	128460	8.73%	0.578%
53	19.367	2806	2813	2824	rVV4	117093	310680	21.12%	1.398%
54	19.479	2824	2832	2838	rVV	668939	1050782	71.43%	4.727%
55	19.538	2838	2842	2845	rVV2	59953	88799	6.04%	0.399%
56	19.573	2845	2848	2853	rVB	70467	100436	6.83%	0.452%
57	19.679	2862	2866	2869	rBV3	44481	57808	3.93%	0.260%
58	19.726	2870	2874	2876	rBV2	32248	45317	3.08%	0.204%
59	19.814	2884	2889	2891	rBV2	374196	546314	37.14%	2.458%
60	19.849	2891	2895	2901	rVV	1018623	1471156	100.00%	6.618%
61	19.908	2901	2905	2911	rVB	107963	180712	12.28%	0.813%
62	20.072	2929	2933	2941	rVB3	67701	115675	7.86%	0.520%
63	20.172	2942	2950	2957	rBV4	145193	409284	27.82%	1.841%
64	20.249	2959	2963	2967	rVV5	38692	78764	5.35%	0.354%
65	20.331	2967	2977	2982	rVB	205339	528935	35.95%	2.380%
66	20.431	2990	2994	2998	rVV2	103151	148641	10.10%	0.669%
67	20.495	2999	3005	3008	rVV	201198	307001	20.87%	1.381%
68	20.531	3008	3011	3015	rVB4	26728	37308	2.54%	0.168%
69	20.631	3024	3028	3032	rBV	222803	298088	20.26%	1.341%
70	20.678	3032	3036	3048	rVB	193866	323942	22.02%	1.457%
71	20.789	3048	3055	3061	rBV8	40994	112618	7.66%	0.507%

LSC Area Percent Report

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Data File : BG020725.D
Acq On : 14 Jan 2016 7:25
Operator : SJ/IZ
Sample : H1096-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC939

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-BG011216.M
Title : SVOA CALIBRATION

72	20.889	3068	3072	3074	rBV5	30406	50607	3.44%	0.228%
73	20.924	3074	3078	3081	rVV3	49609	79662	5.41%	0.358%
74	21.054	3096	3100	3103	rBV4	37808	71033	4.83%	0.320%
75	21.101	3104	3108	3114	rVB	143627	235072	15.98%	1.058%
76	21.195	3121	3124	3129	rVB	53932	71423	4.85%	0.321%
77	21.283	3130	3139	3142	rBV5	124165	306972	20.87%	1.381%
78	21.318	3142	3145	3150	rVV	129694	198714	13.51%	0.894%
79	21.377	3150	3155	3159	rVV3	89584	155860	10.59%	0.701%
80	21.441	3162	3166	3172	rVB	95190	162099	11.02%	0.729%
81	21.694	3202	3209	3215	rBV2	450510	1245724	84.68%	5.604%
82	21.753	3215	3219	3230	rVB	471460	854545	58.09%	3.844%
83	21.853	3232	3236	3241	rBV3	42515	64294	4.37%	0.289%
84	21.906	3241	3245	3251	rBV2	60049	112299	7.63%	0.505%
85	21.976	3254	3257	3276	rVB7	60482	219330	14.91%	0.987%
86	22.176	3288	3291	3297	rVB4	37201	58497	3.98%	0.263%
87	22.358	3319	3322	3327	rBV	37005	60601	4.12%	0.273%
88	22.440	3327	3336	3344	rVV	172996	417950	28.41%	1.880%
89	22.511	3344	3348	3357	rVB	100250	184948	12.57%	0.832%
90	22.716	3378	3383	3388	rBV	101123	190839	12.97%	0.859%
91	22.857	3403	3407	3414	rVB3	59072	110706	7.53%	0.498%
92	23.927	3582	3589	3605	rVB2	216220	949183	64.52%	4.270%
93	24.191	3629	3634	3643	rVB2	43058	95732	6.51%	0.431%
94	24.661	3706	3714	3721	rBV	153934	428429	29.12%	1.927%
95	24.738	3721	3727	3733	rVV	157261	420812	28.60%	1.893%
96	24.814	3733	3740	3751	rVB	261837	711087	48.34%	3.199%
97	24.961	3759	3765	3773	rVB	135403	328096	22.30%	1.476%
98	26.365	3996	4004	4009	rBV4	33544	103290	7.02%	0.465%
99	28.692	4389	4400	4417	rVB3	100043	475292	32.31%	2.138%
100	29.861	4590	4599	4614	rVB2	73467	309711	21.05%	1.393%

Sum of corrected areas: 22228067

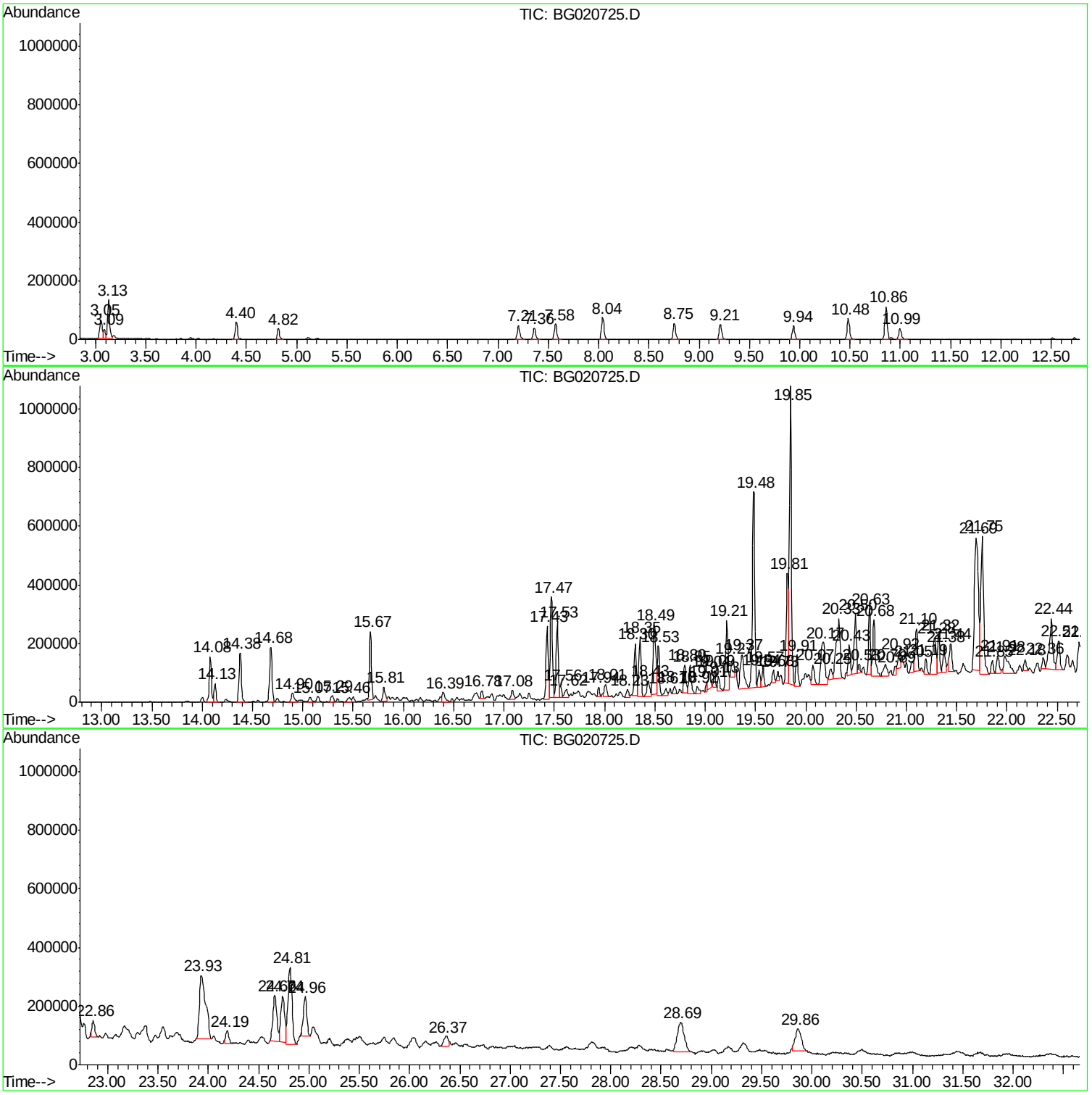
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011316\
Data File : BG020725.D
Acq On : 14 Jan 2016 7:25
Operator : SJ/IZ
Sample : H1096-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC939

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011316\
Data File : BG020725.D
Acq On : 14 Jan 2016 7:25
Operator : SJ/IZ
Sample : H1096-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC939

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

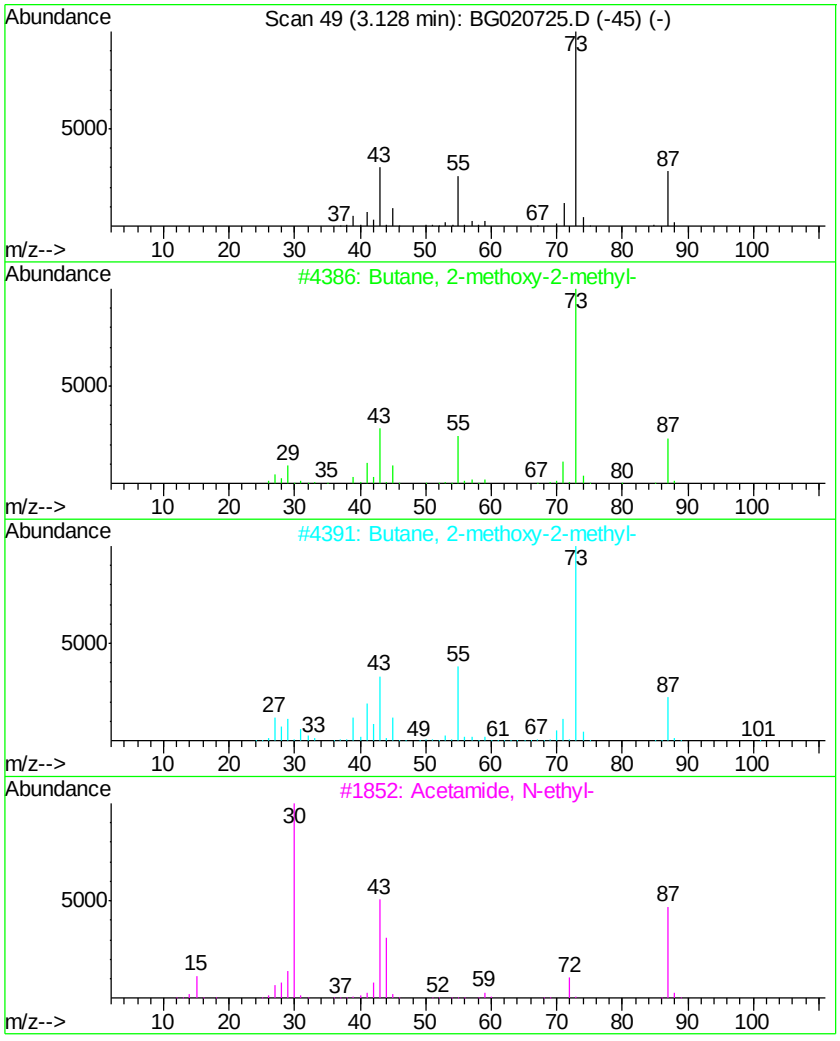
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

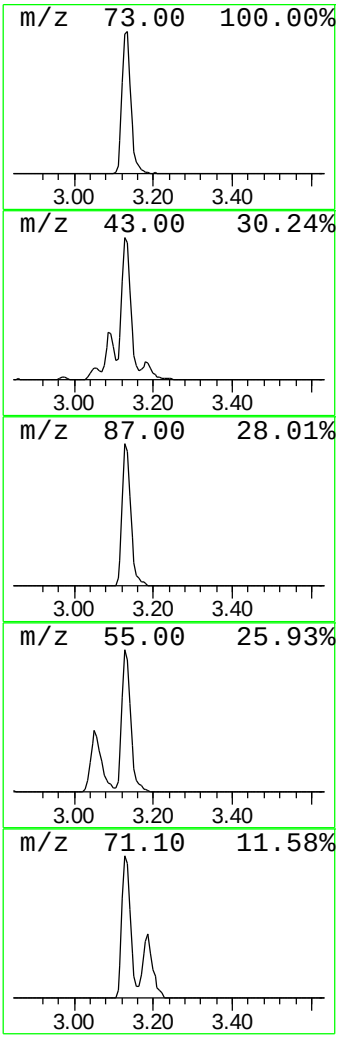
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.13	32.42 ng/ul	204738	1,4-Dichlorobenzene-d4	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	86
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	12
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	1000186-02-3	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011316\
Data File : BG020725.D
Acq On : 14 Jan 2016 7:25
Operator : SJ/IZ
Sample : H1096-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC939

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

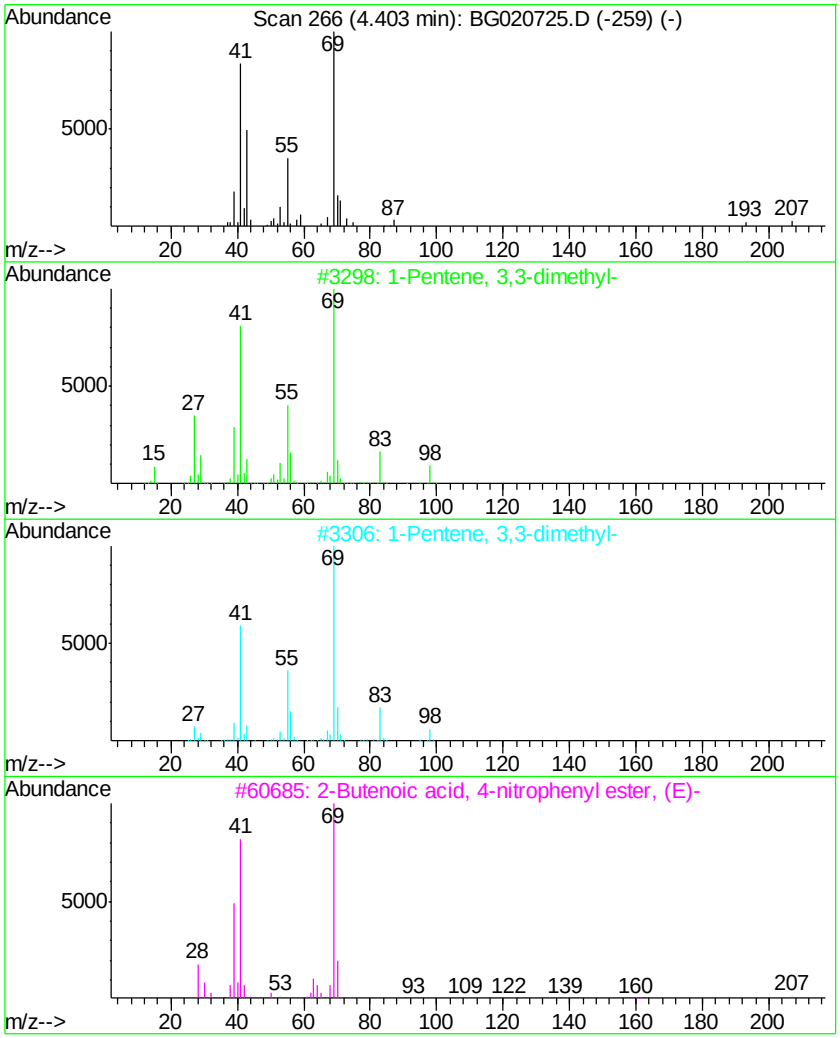
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

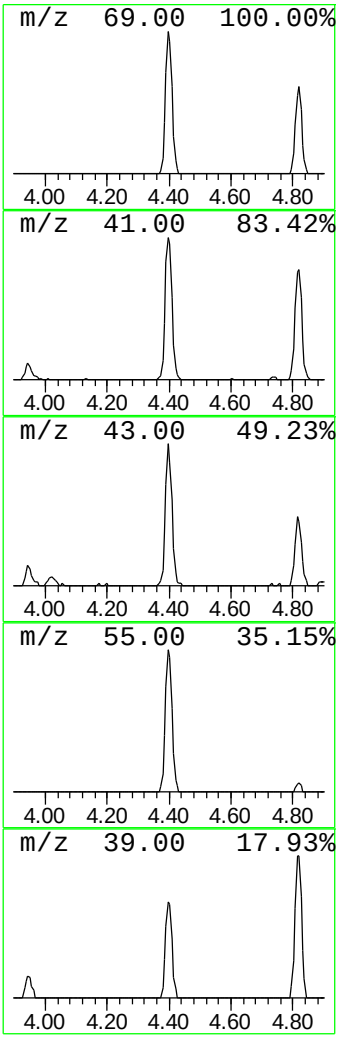
****

Peak Number 4 (DEL) Alkane: Cyclic4.40 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.40	13.73 ng/ul	86727	1,4-Dichlorobenzene-d4	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 3,3-dimethyl-	98	C7H14	003404-73-7	64
2	1-Pentene, 3,3-dimethyl-	98	C7H14	003404-73-7	50
3	2-Butenoic acid, 4-nitrophenyl e...	207	C10H9NO4	014617-88-0	50
4	2-Butene, 1-bromo-3-methyl-	148	C5H9Br	000870-63-3	45
5	3-Butyn-2-ol, 2-methyl-	84	C5H8O	000115-19-5	43





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011316\
Data File : BG020725.D
Acq On : 14 Jan 2016 7:25
Operator : SJ/IZ
Sample : H1096-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC939

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

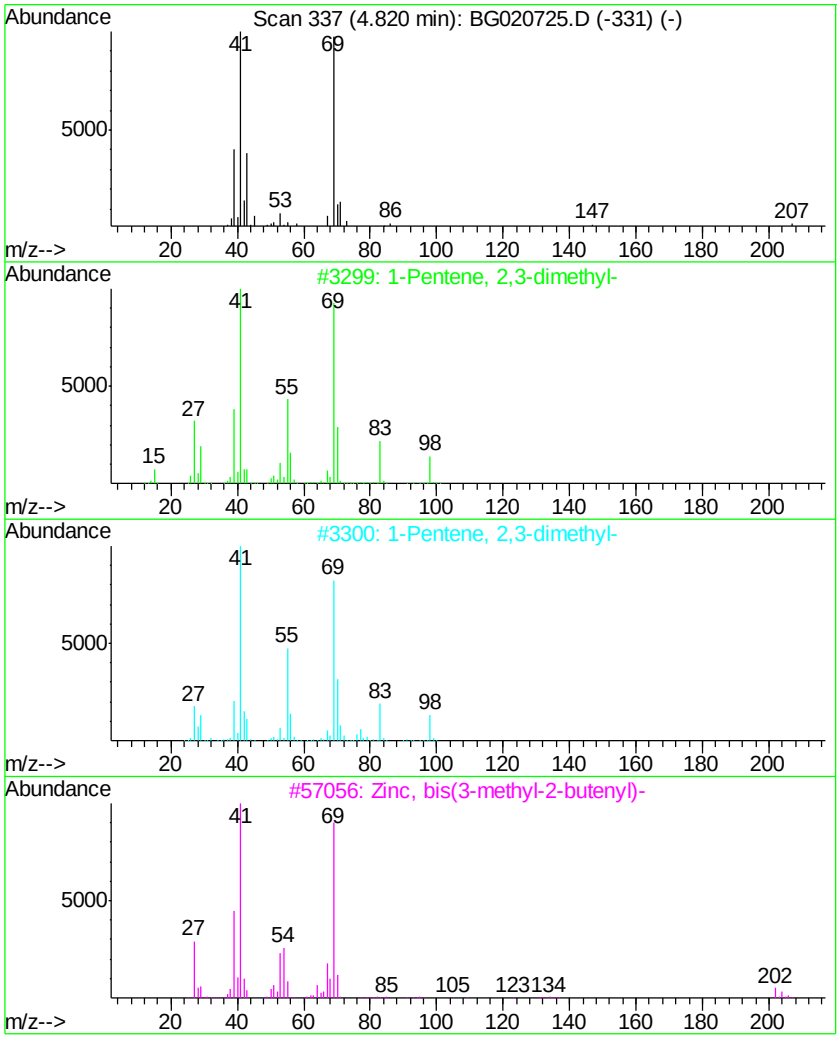
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

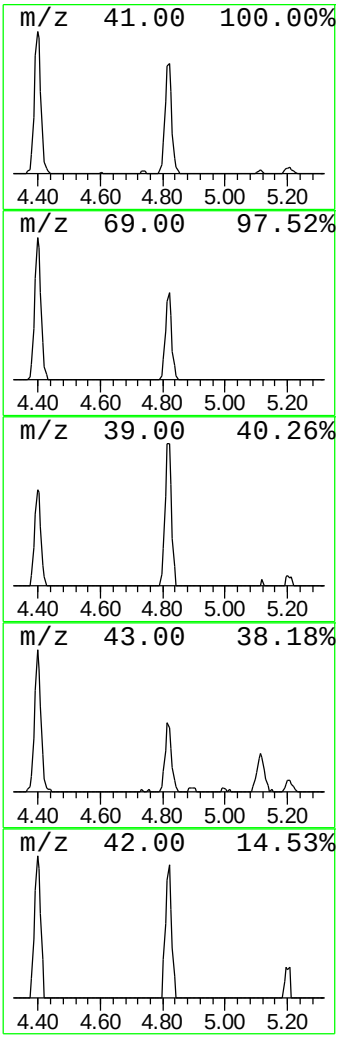
****

Peak Number 5 (DEL) Alkane: Cyclic4.82 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.82	8.82 ng/ul	55689	1,4-Dichlorobenzene-d4	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	50
2	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	40
3	Zinc, bis(3-methyl-2-butenyl)-	202	C10H18Zn	066094-28-8	40
4	Butane, 2,3-dimethyl-2-nitro-	131	C6H13NO2	034075-28-0	33
5	1-Pentene, 3-ethyl-	98	C7H14	004038-04-4	28





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011316\
Data File : BG020725.D
Acq On : 14 Jan 2016 7:25
Operator : SJ/IZ
Sample : H1096-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC939

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

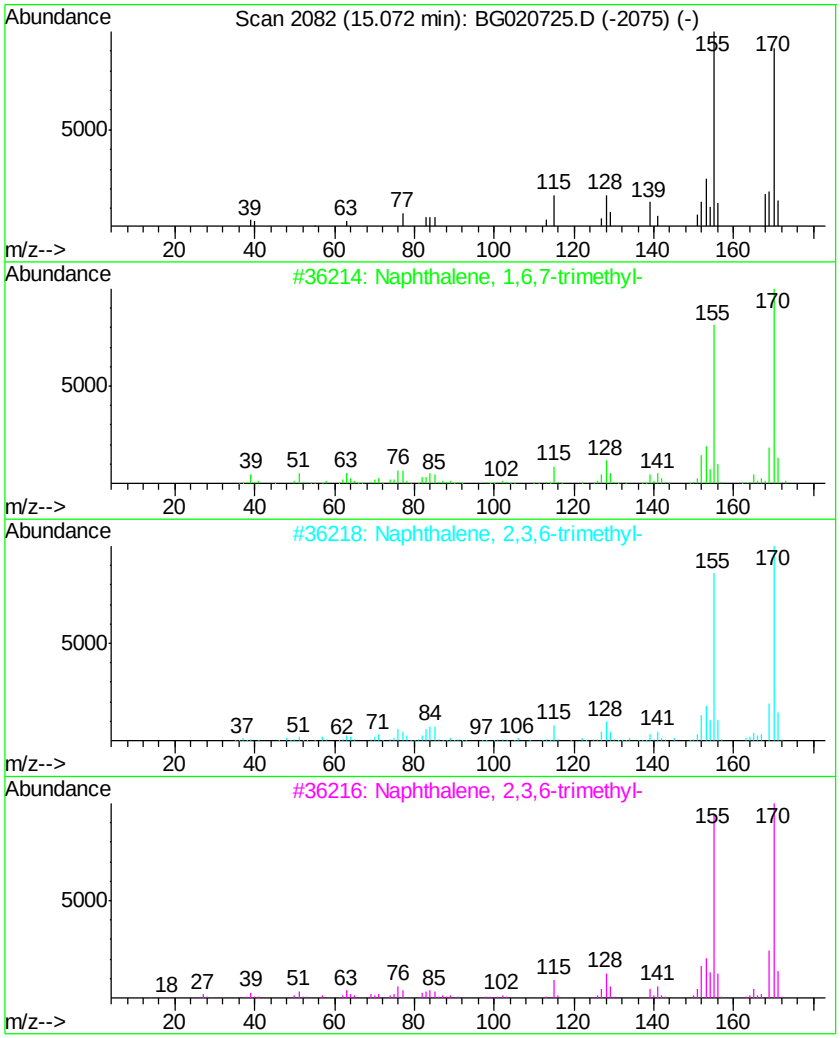
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

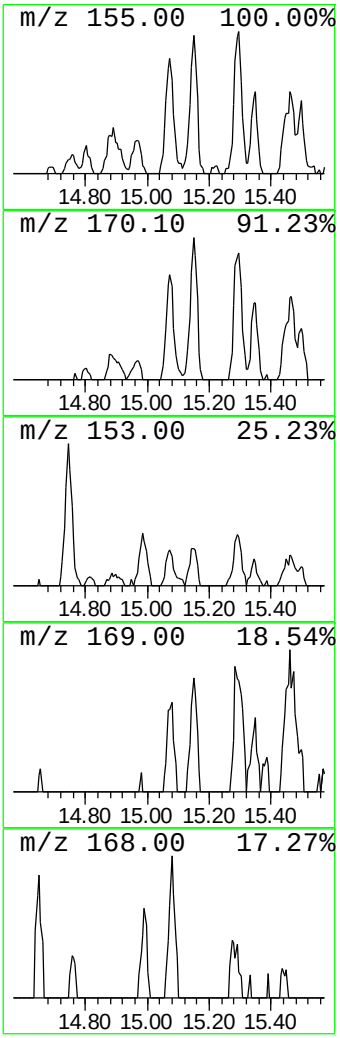
****

Peak Number 6 Naphthalene, 1,6,7-trimethyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	2.37 ng/ul	36141	Acenaphthene-d10	14.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	94
5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011316\
Data File : BG020725.D
Acq On : 14 Jan 2016 7:25
Operator : SJ/IZ
Sample : H1096-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC939

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

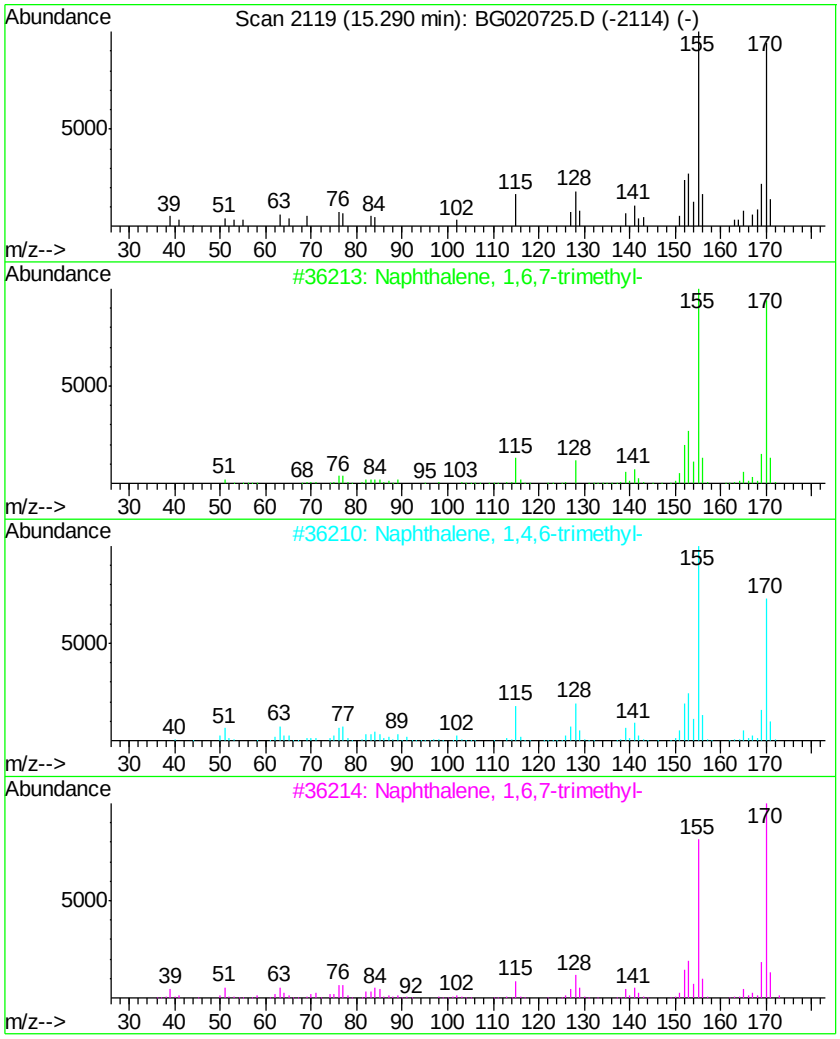
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

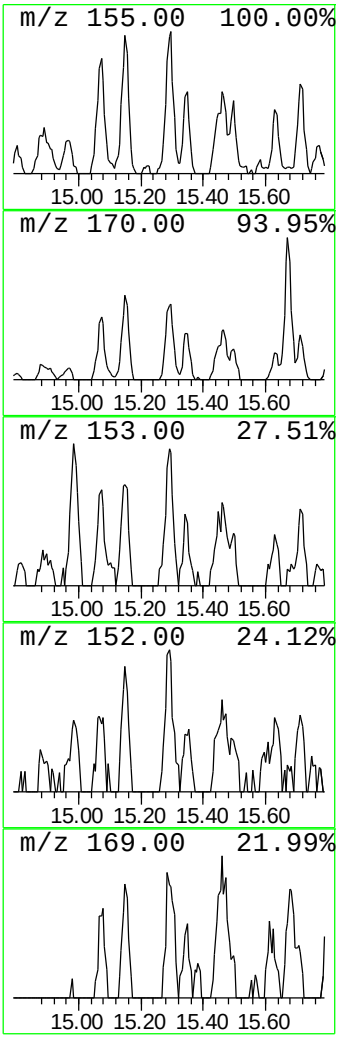
****

Peak Number 7 Naphthalene, 1,4,6-trimethyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	2.44 ng/ul	37112	Acenaphthene-d10	14.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	98
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96





Library Search Compound Report

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Data File : BG020725.D
Acq On : 14 Jan 2016 7:25
Operator : SJ/IZ
Sample : H1096-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC939

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Quant Title : SVOA CALIBRATION

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

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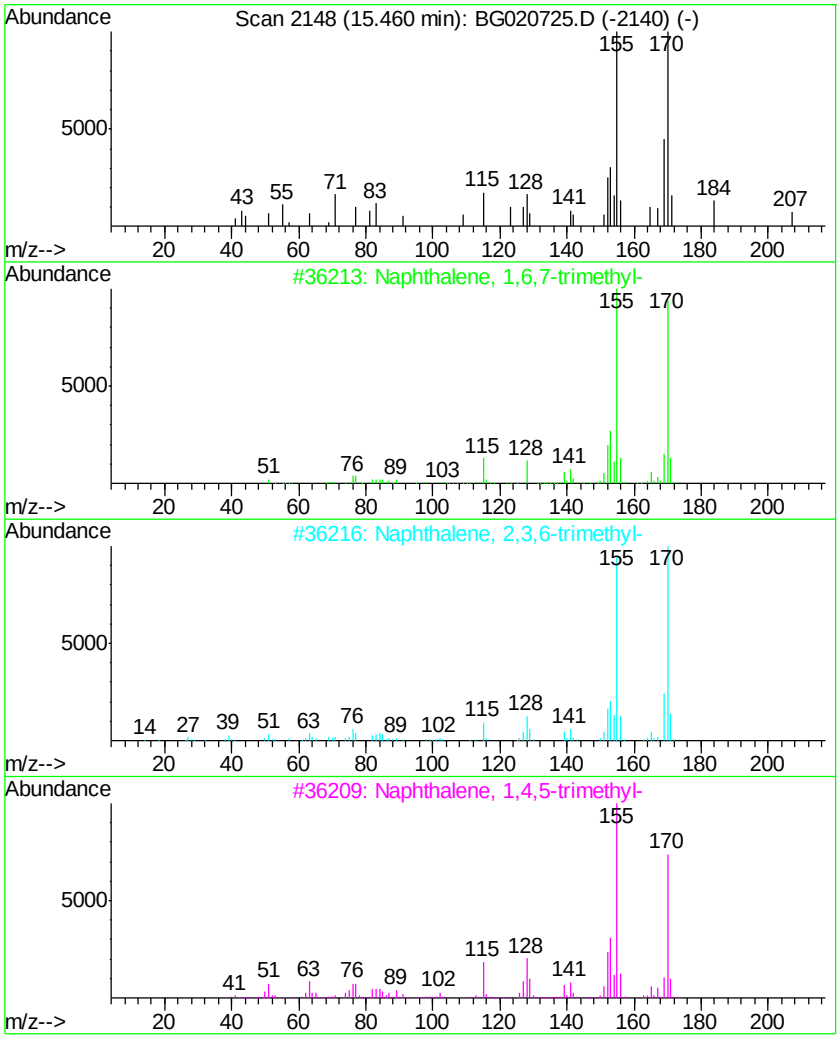
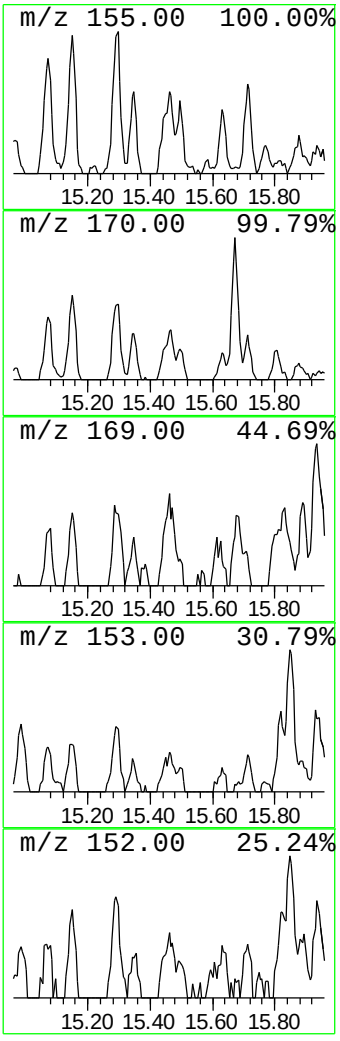
Peak Number 8 Naphthalene, 1,4,5-trimethyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.46	2.38 ng/ul	36225	Acenaphthene-d10	14.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
3	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	94
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
5	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	89





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Acq On : 14 Jan 2016 7:25
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Sample : H1096-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC939

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Quant Title : SVOA CALIBRATION

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

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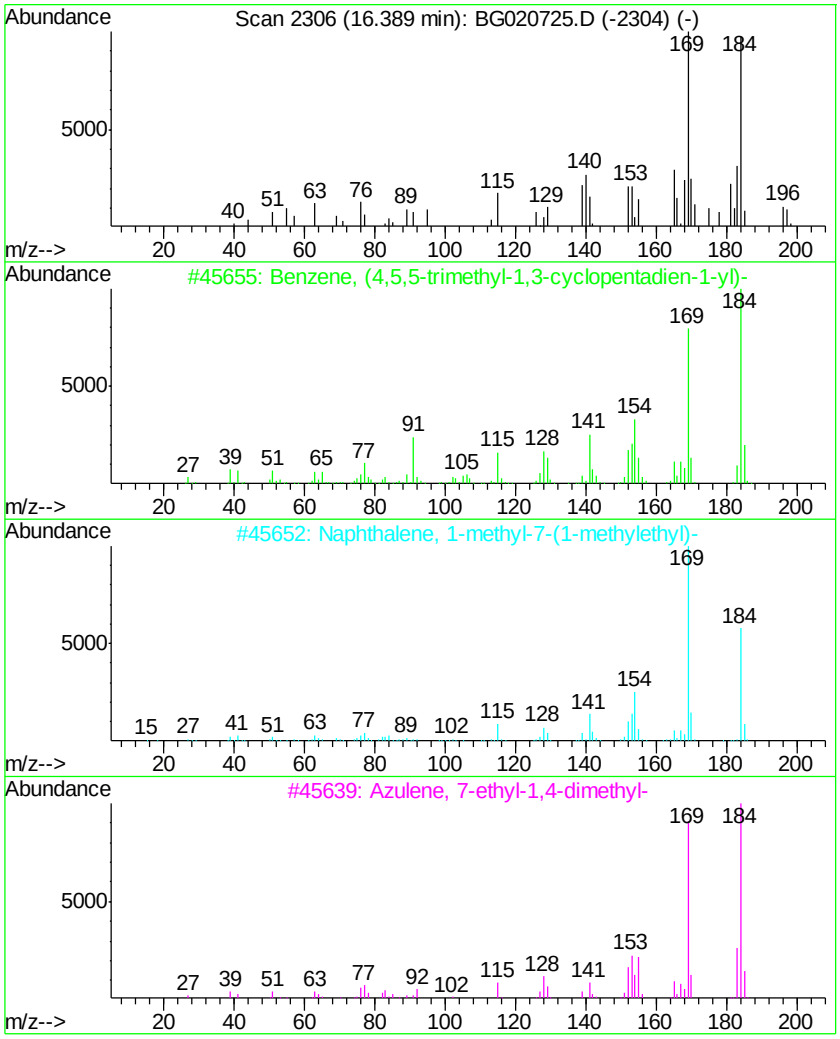
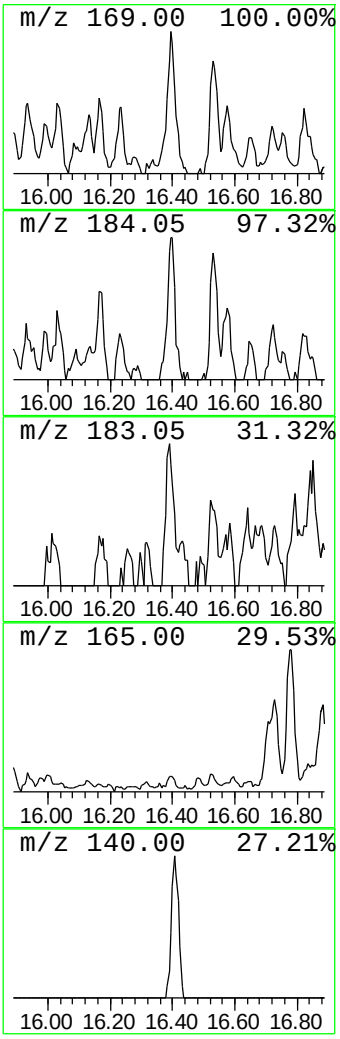
Peak Number 9 Benzene, (4,5,5-trimethyl-1... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.39	3.59 ng/ul	66121	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (4,5,5-trimethyl-1,3-cy...	184	C14H16	033930-85-7	55
2	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	46
3	Azulene, 7-ethyl-1,4-dimethyl-	184	C14H16	000529-05-5	46
4	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	46
5	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	46





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Sample : H1096-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC939

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

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

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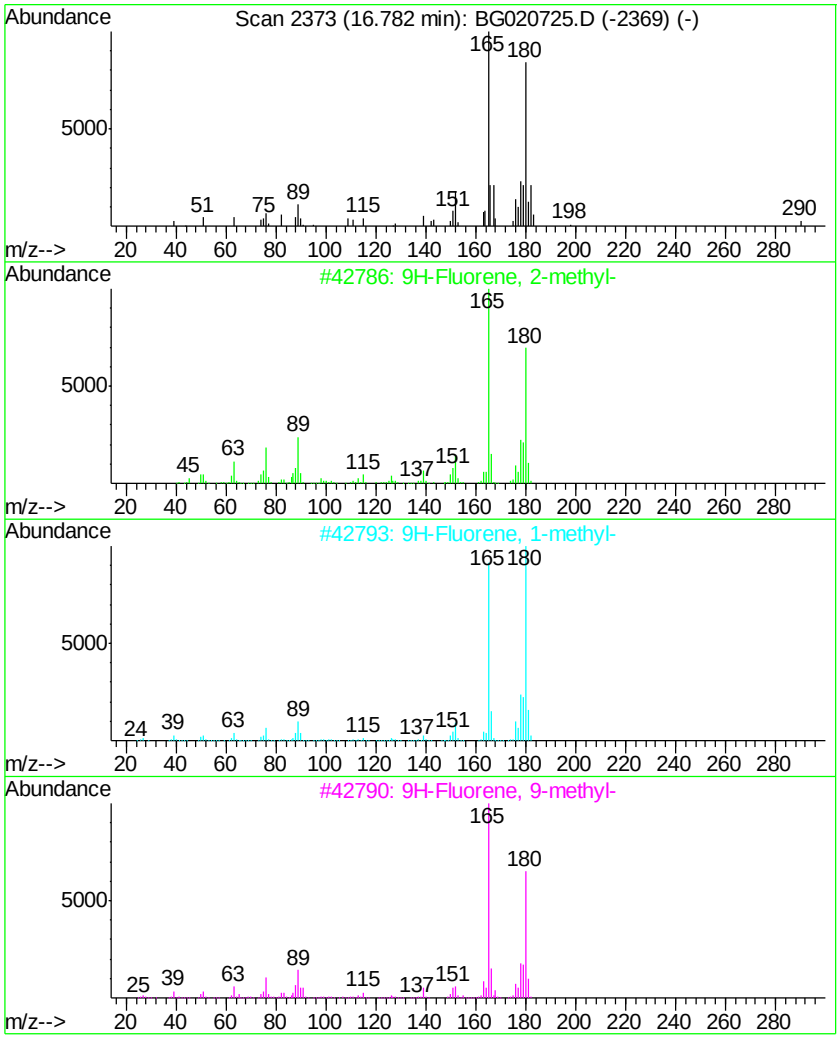
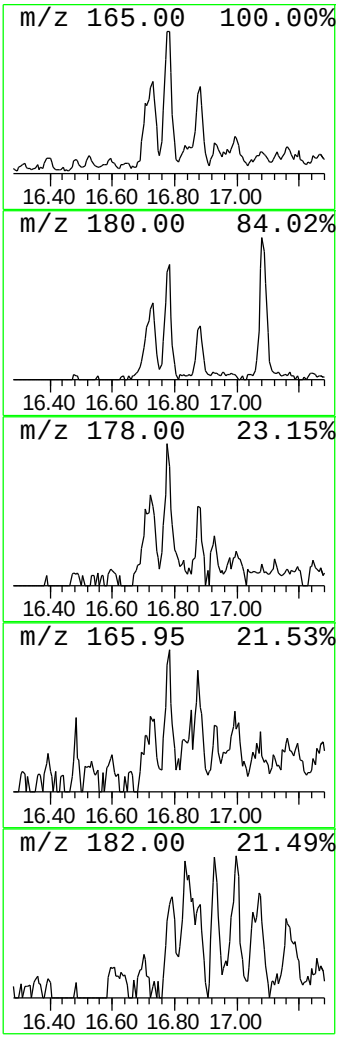
Peak Number 10 9H-Fluorene, 2-methyl- Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.78	2.12 ng/ul	39010	Phenanthrene-d10	17.43

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	94
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	94
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90





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Instrument : BNA_G
ClientSampleId : BC939

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Quant Title : SVOA CALIBRATION

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

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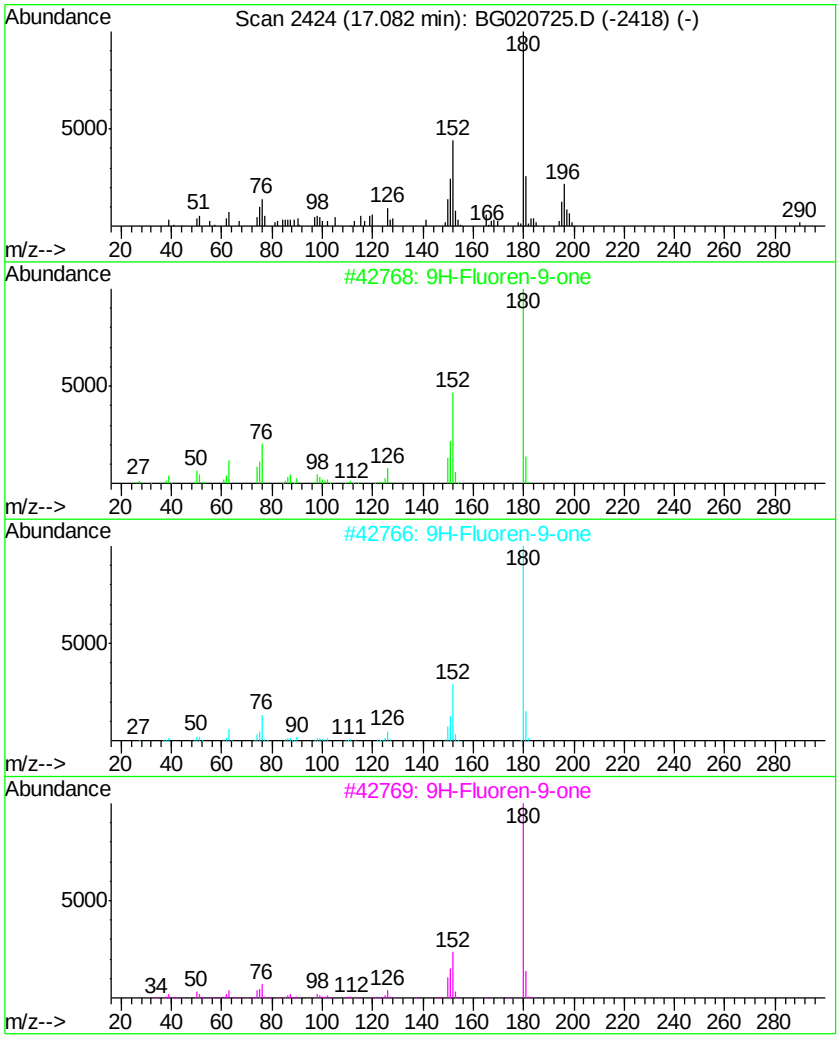
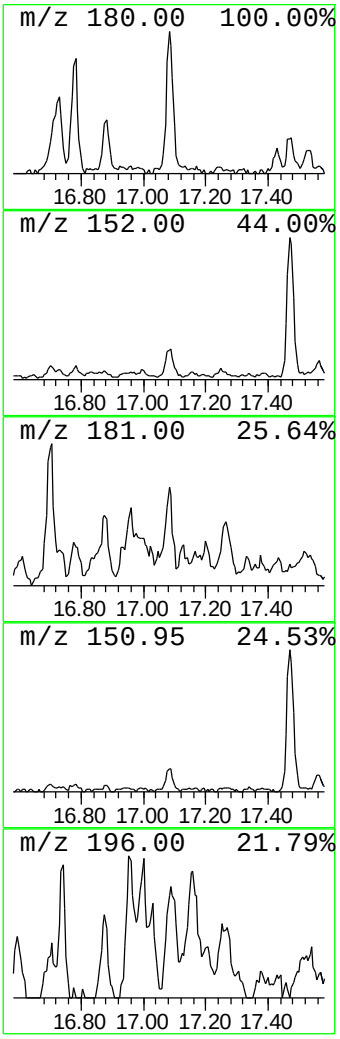
Peak Number 11 9H-Fluoren-9-one Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.08	2.79 ng/ul	51530	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	89
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	89
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	58
4	6H-Purine-6-thione, 9-ethyl-1,9-...	180	C7H8N4S	005427-20-3	53
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	53





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Instrument : BNA_G
ClientSampleId : BC939

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Quant Title : SVOA CALIBRATION

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

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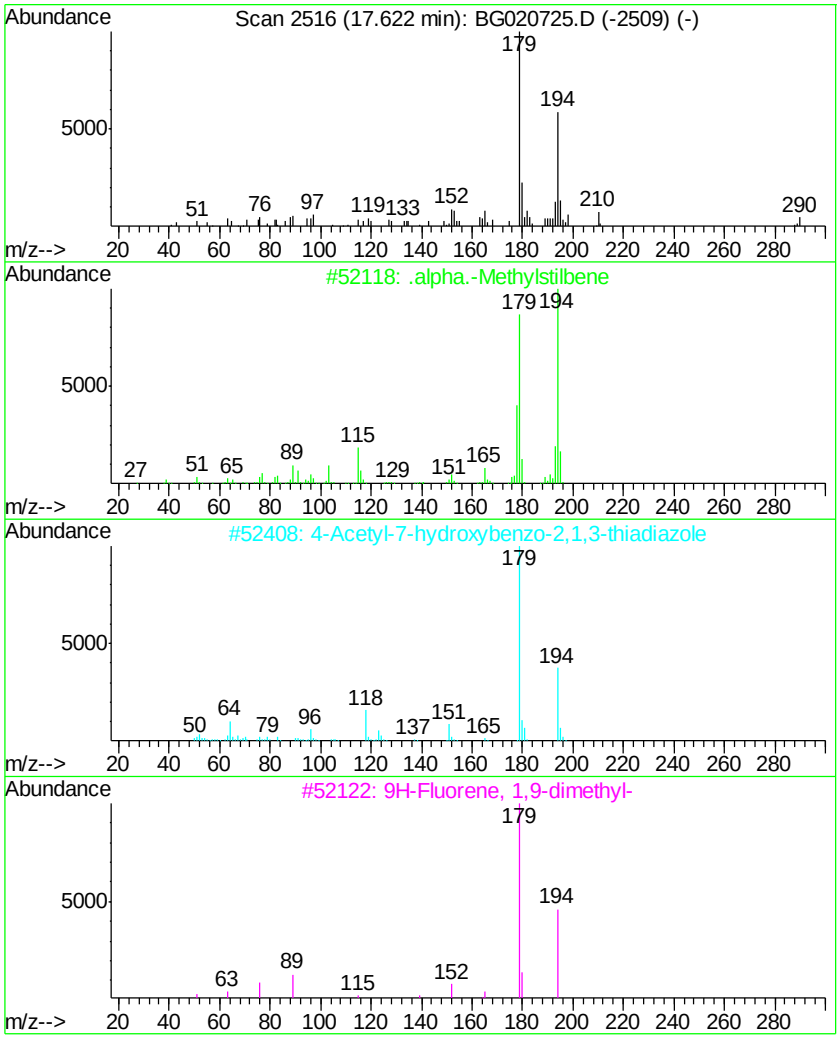
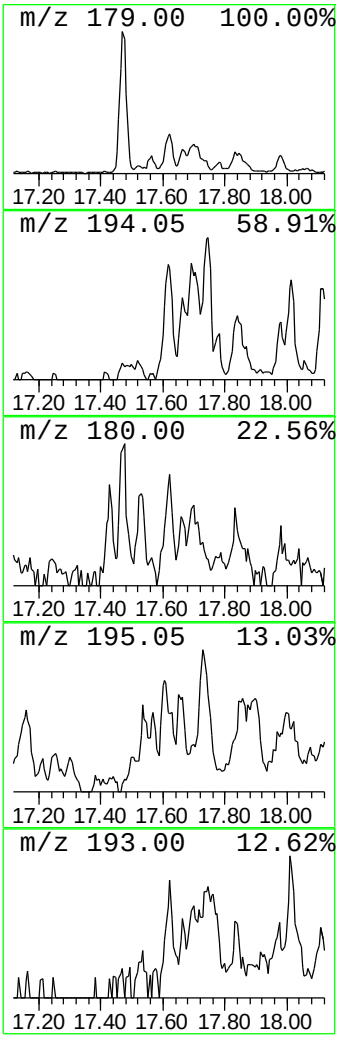
Peak Number 12 .alpha.-Methylstilbene Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.62	2.99 ng/ul	55116	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Methylstilbene	194	C15H14	000779-51-1	72
2	4-Acetyl-7-hydroxybenzo-2,1,3-th...	194	C8H6N2O2S	120893-38-1	64
3	9H-Fluorene, 1,9-dimethyl-	194	C15H14	017057-98-6	53
4	Benzene, 1-methyl-2-(2-phenyleth...	194	C15H14	074685-42-0	49
5	9H-Fluorene, 2,3-dimethyl-	194	C15H14	004612-63-9	47





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Instrument : BNA_G
ClientSampleId : BC939

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Quant Title : SVOA CALIBRATION

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

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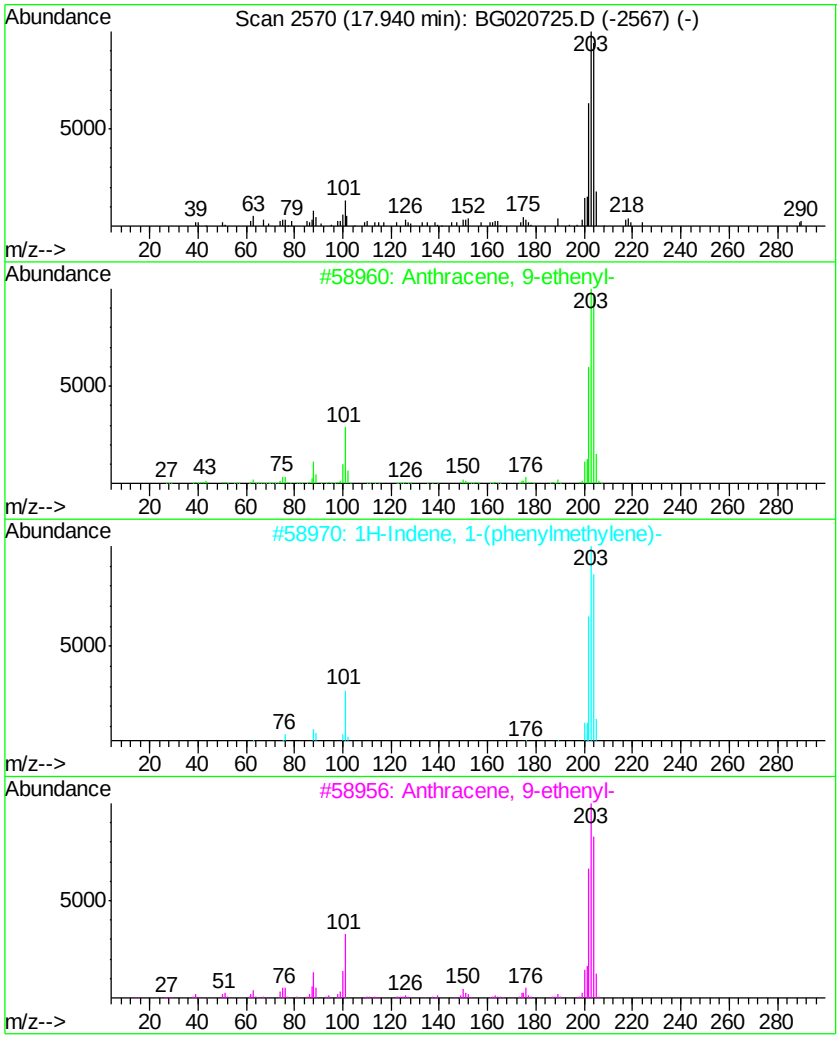
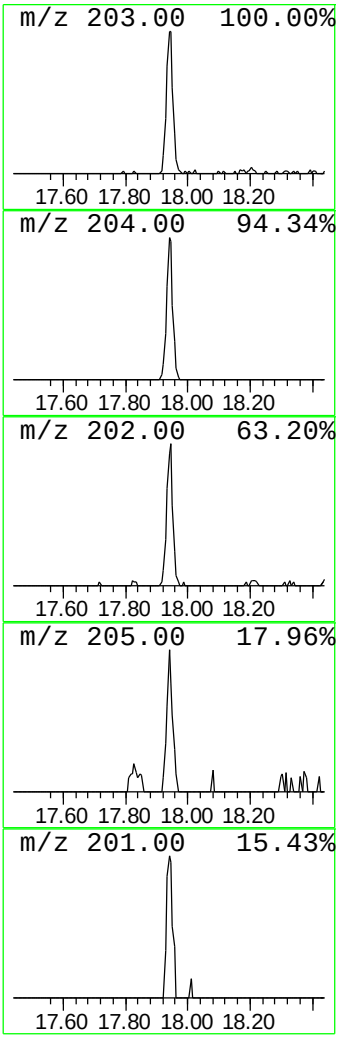
Peak Number 13 Anthracene, 9-ethenyl- Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	2.08 ng/ul	38354	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	76
2	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	76
3	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	76
4	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	76
5	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	76





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Sample : H1096-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC939

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Quant Title : SVOA CALIBRATION

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

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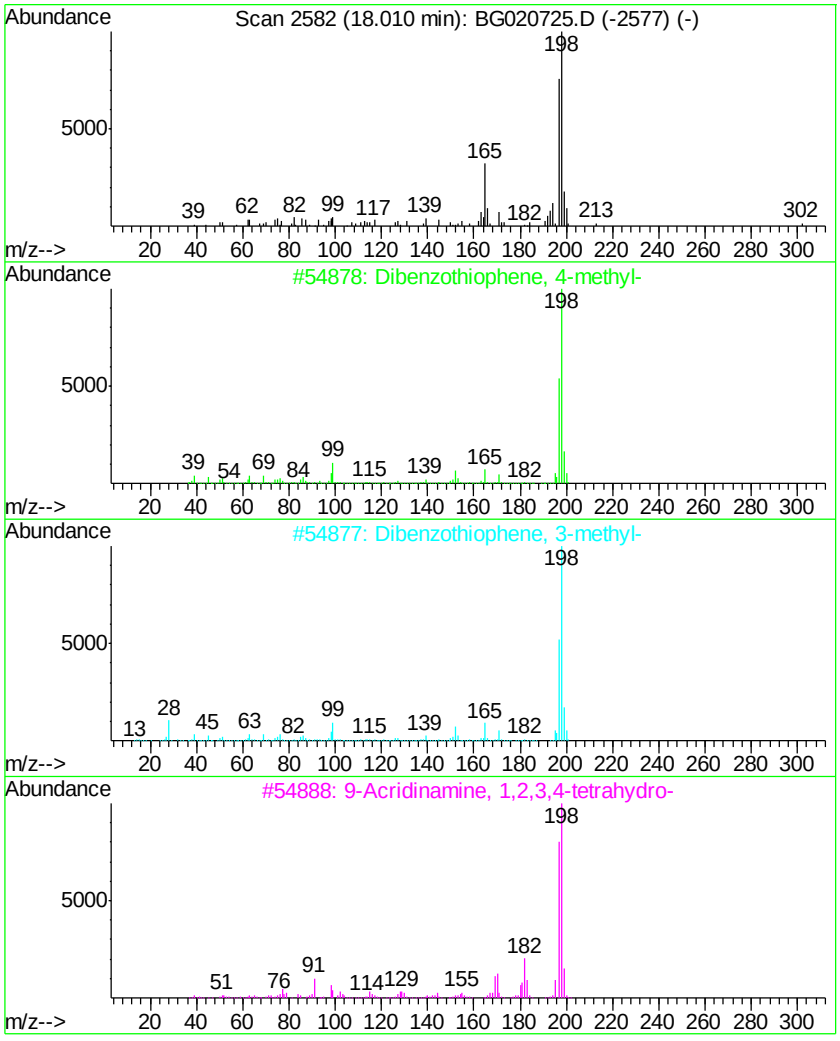
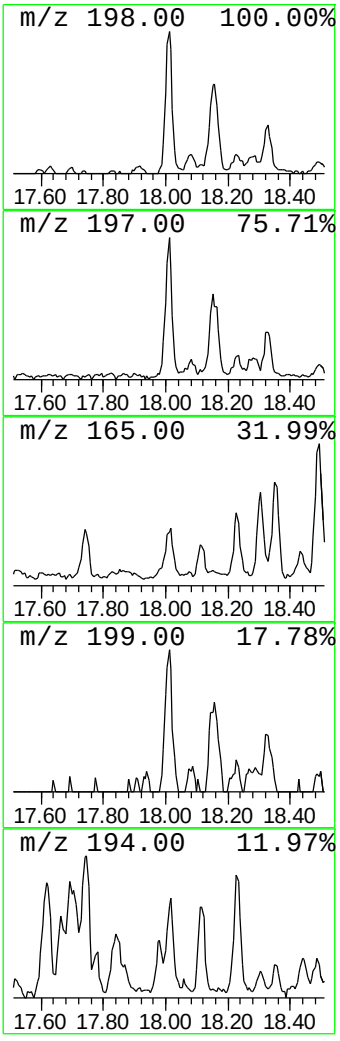
Peak Number 14 Dibenzothiophene, 4-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	4.28 ng/ul	78936	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	72
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	72
3	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	59
4	Phenyl-.alpha.-pyridyl ketoxime	198	C12H10N2O	001826-28-4	59
5	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	59





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Sample : H1096-09
Misc :
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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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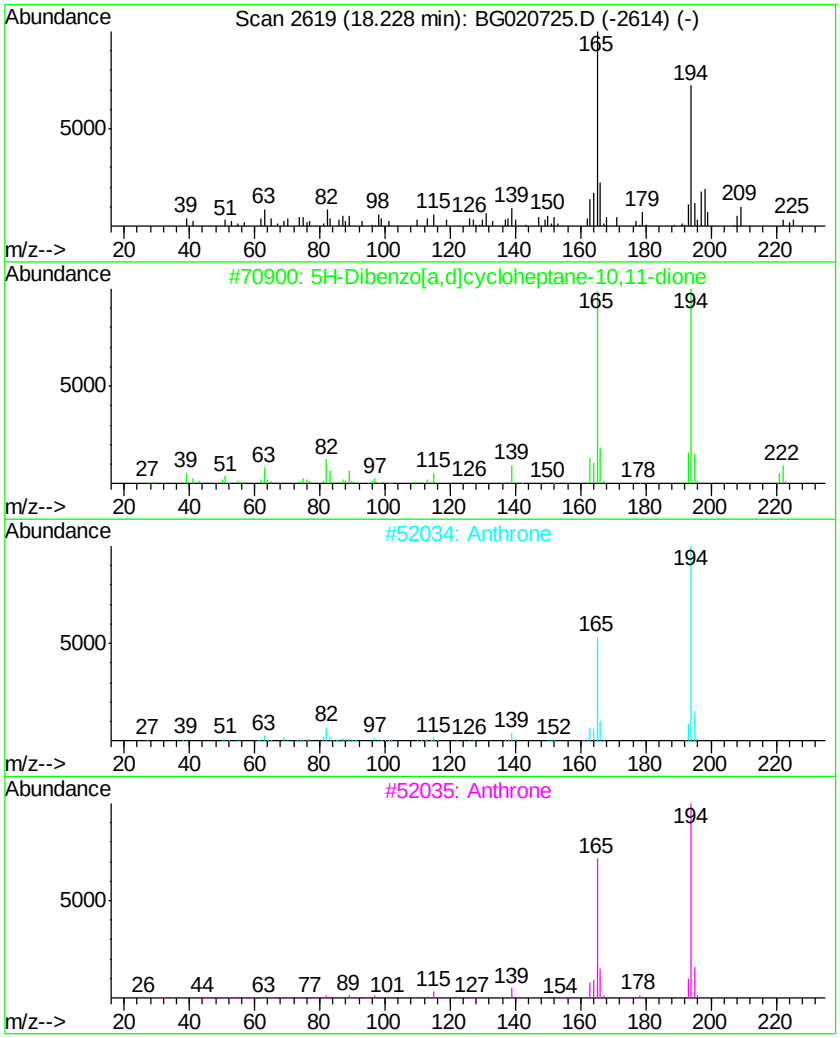
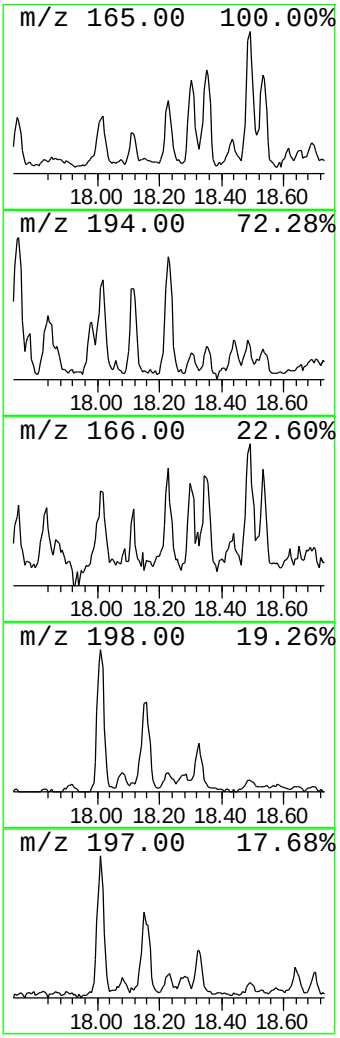
Peak Number 15 5H-Dibenzo[a,d]cycloheptane... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	2.23 ng/ul	41118	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptane-10,1...	222	C15H10O2	052559-75-8	81
2	Anthrone	194	C14H10O	000090-44-8	74
3	Anthrone	194	C14H10O	000090-44-8	72
4	2-Fluorenecarboxaldehyde	194	C14H10O	030084-90-3	70
5	Benzo[c]cinnoline, 4-methyl-	194	C13H10N2	019174-78-8	70





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Quant Title : SVOA CALIBRATION

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

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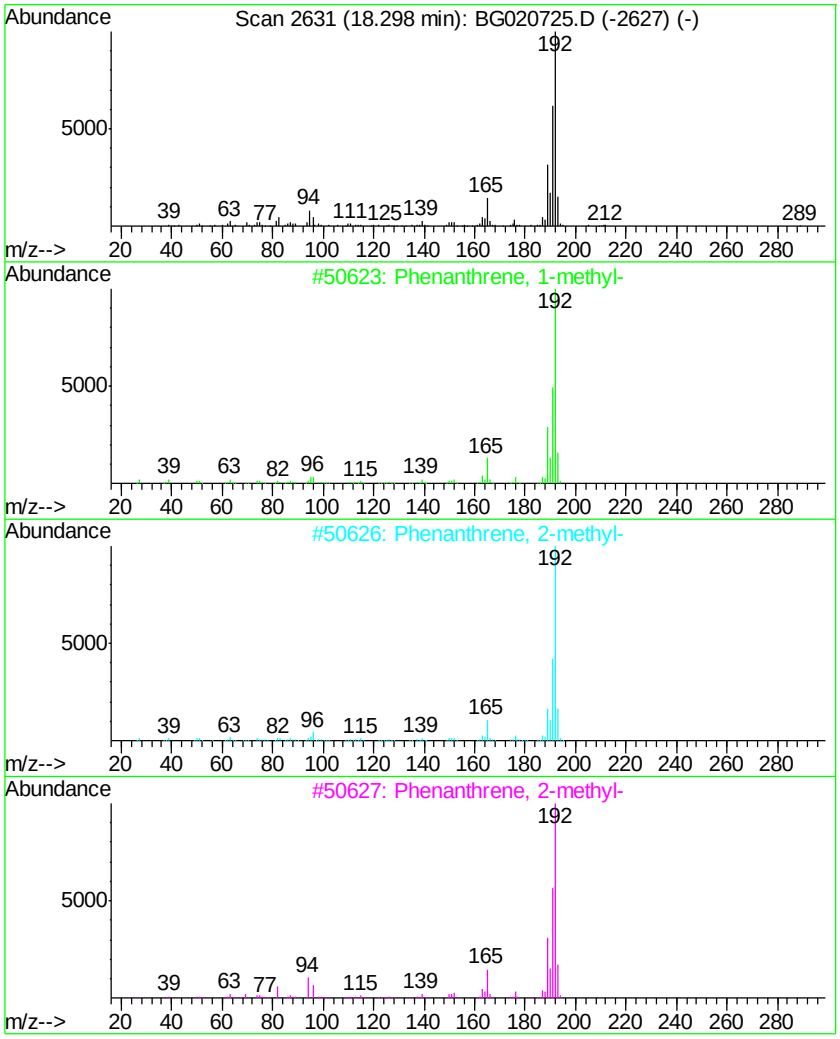
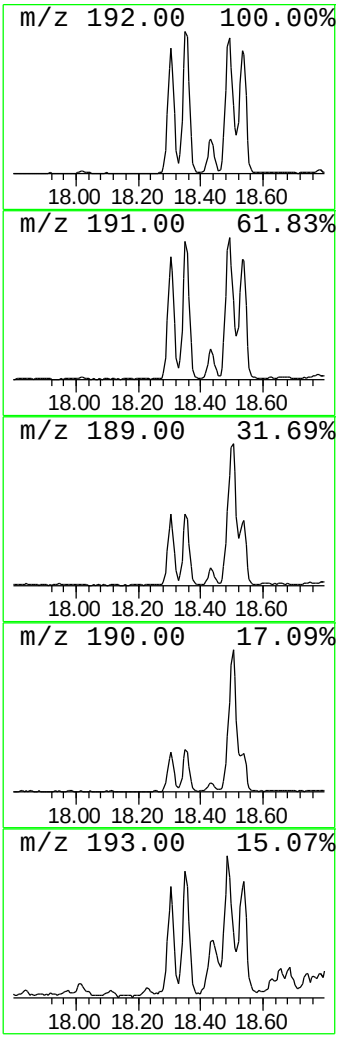
Peak Number 16 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	14.65 ng/ul	270208	Phenanthrene-d10	17.43

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	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





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Quant Title : SVOA CALIBRATION

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

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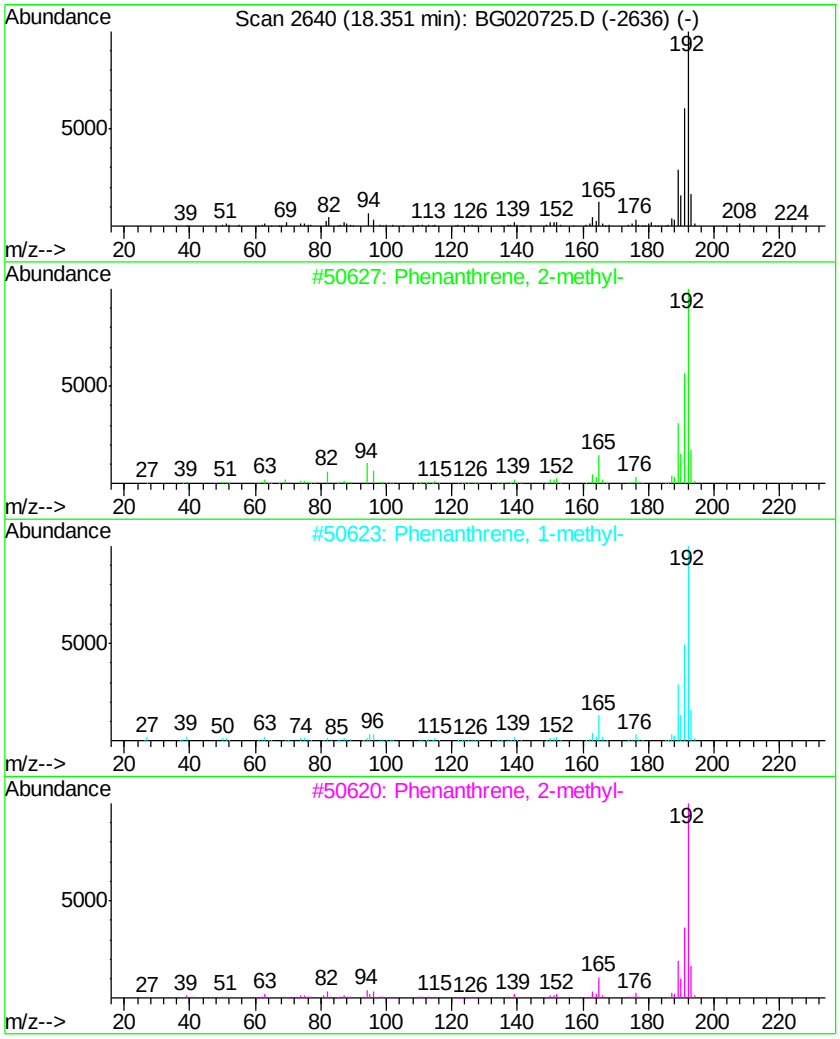
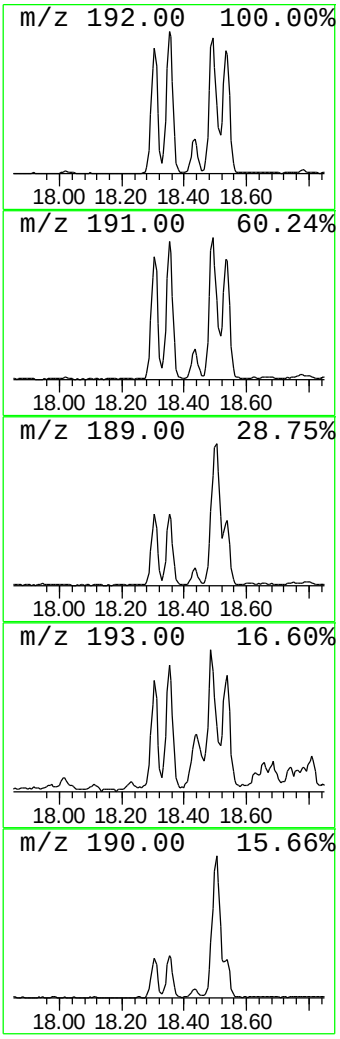
Peak Number 17 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	16.78 ng/ul	309391	Phenanthrene-d10	17.43

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





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Quant Title : SVOA CALIBRATION

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

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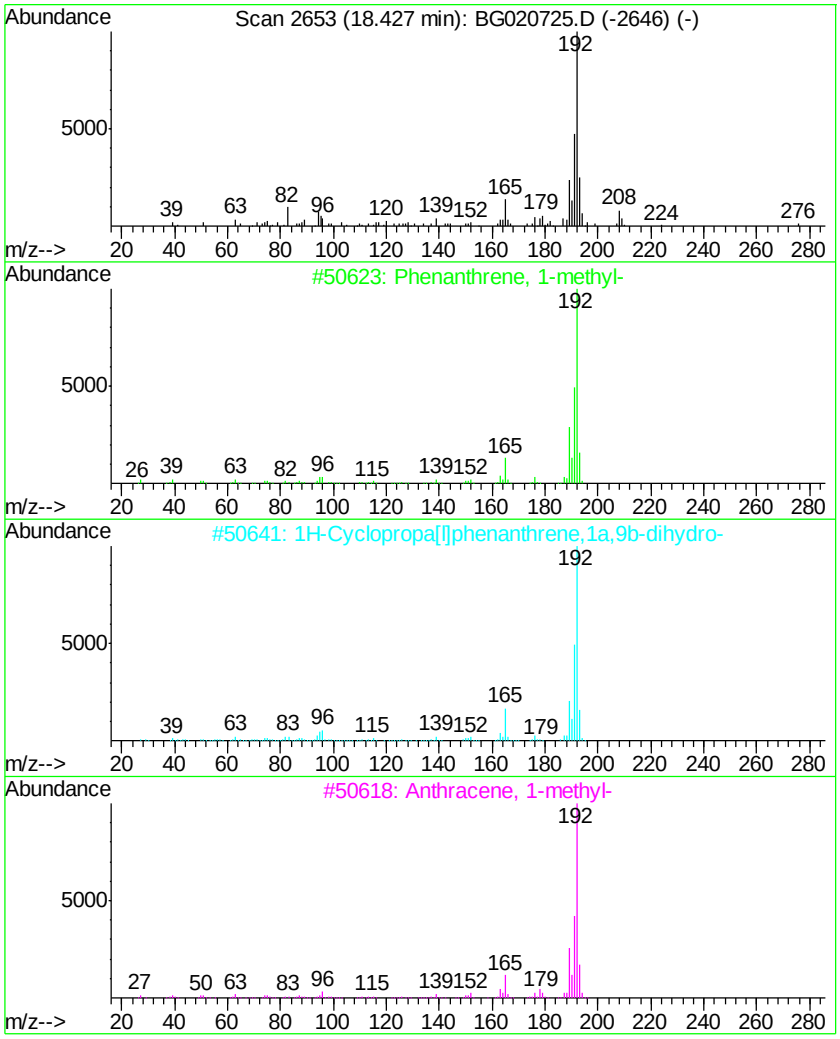
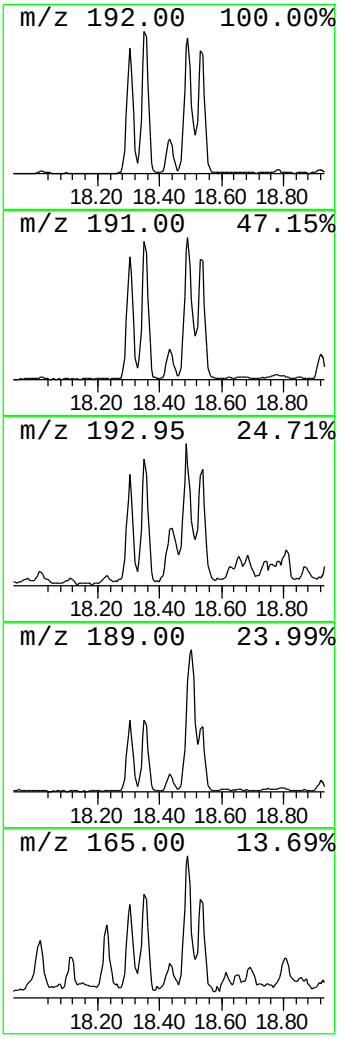
Peak Number 18 1H-Cyclopropa[l]phenanthren... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	5.75 ng/ul	106077	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





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Sample : H1096-09
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ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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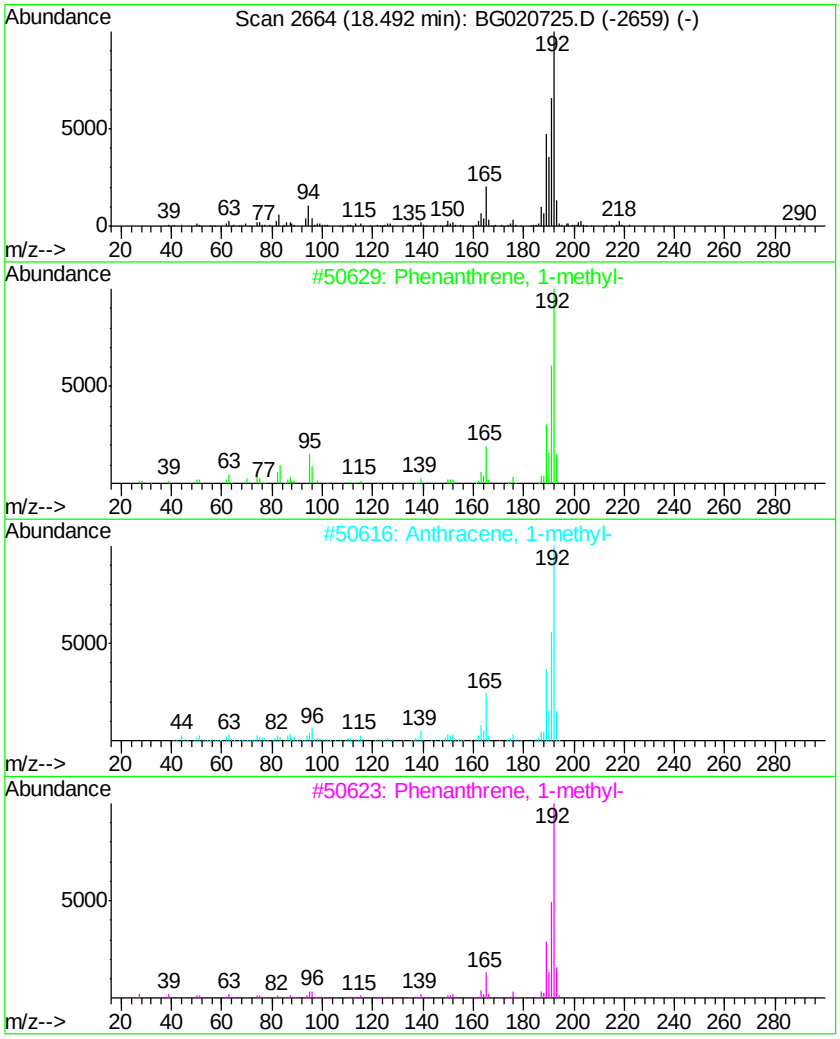
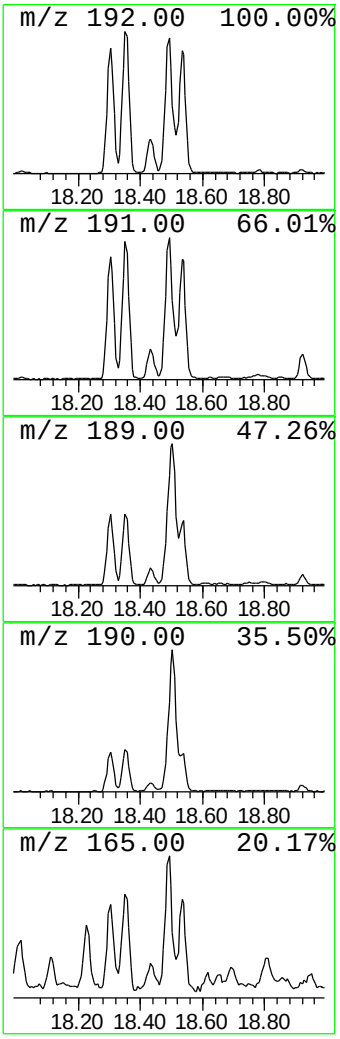
Peak Number 19 Anthracene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	25.63 ng/ul	472584	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	64
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	64
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	64
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011316\
Data File : BG020725.D
Acq On : 14 Jan 2016 7:25
Operator : SJ/IZ
Sample : H1096-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC939

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

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

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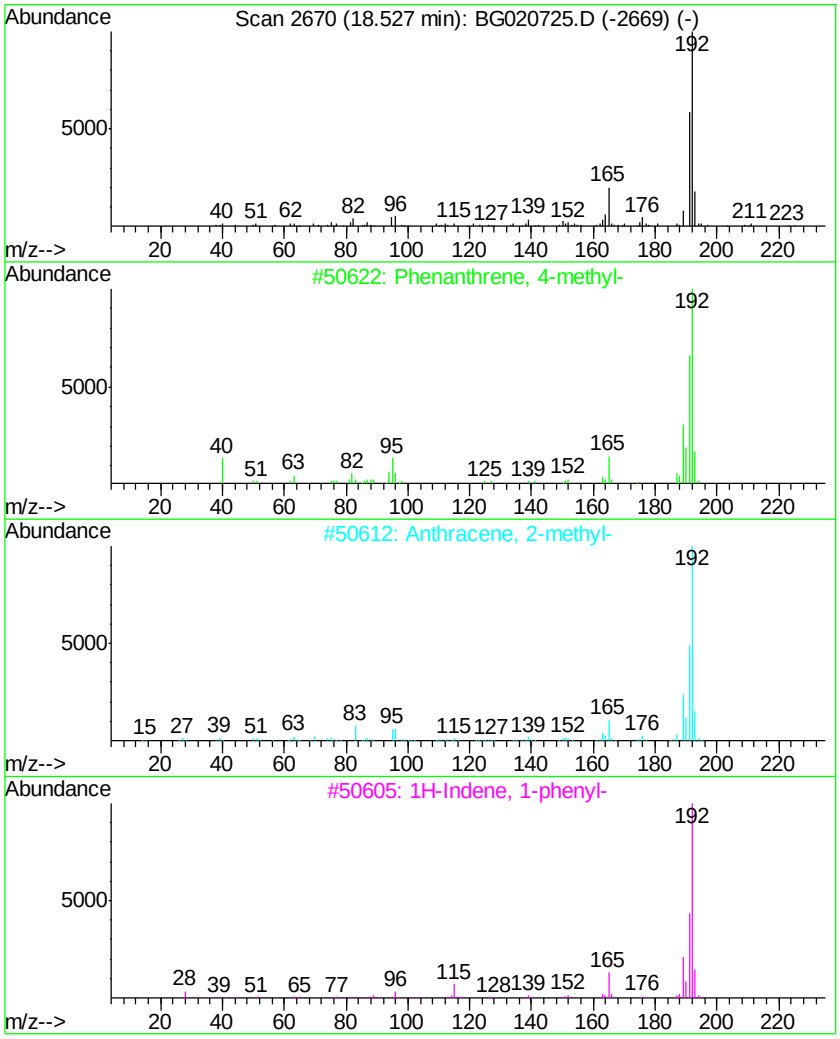
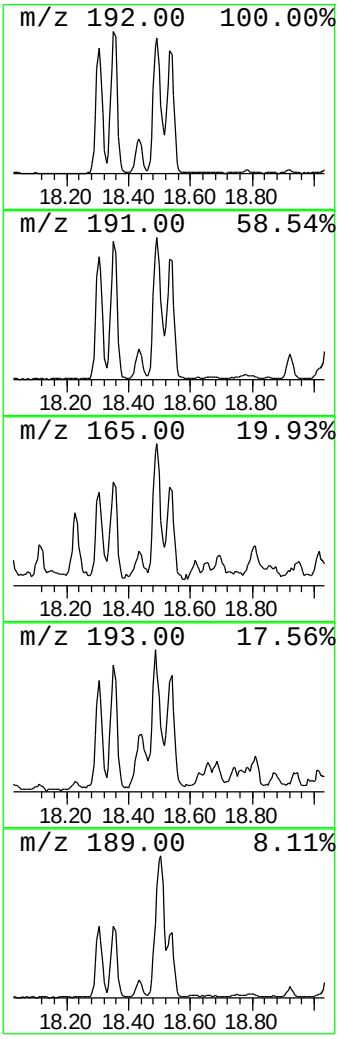
Peak Number 20 Phenanthrene, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.53	11.88 ng/ul	219022	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90
4	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	90
5	1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	90





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Sample : H1096-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC939

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

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

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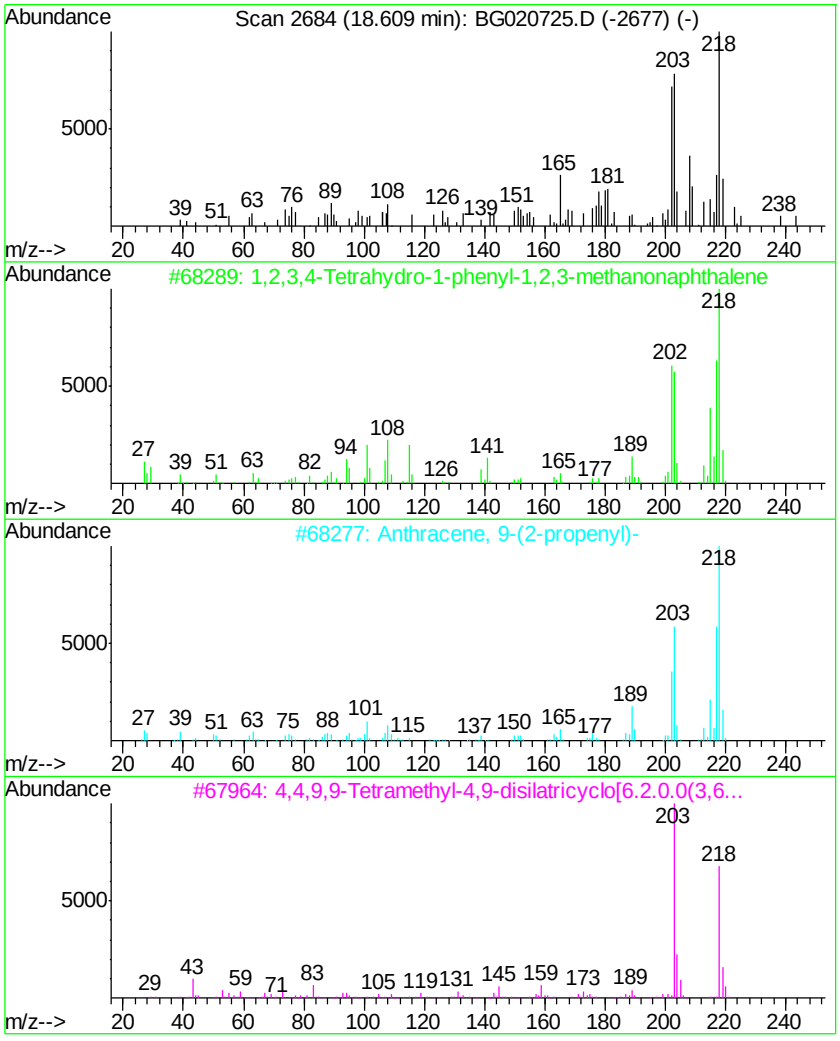
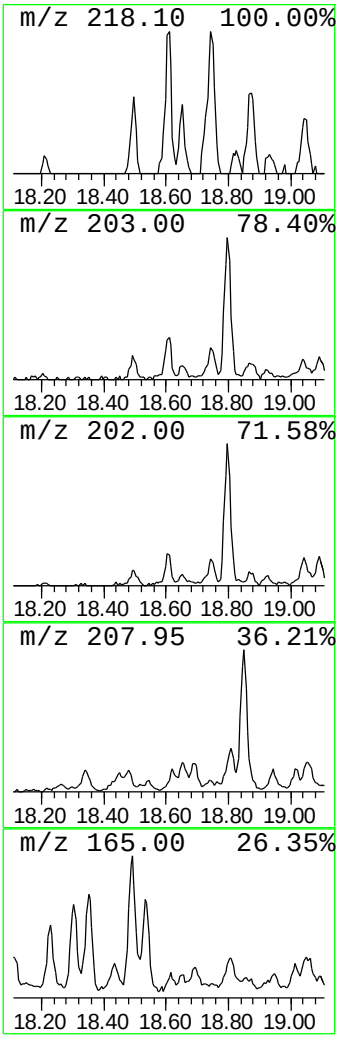
Peak Number 21 1,2,3,4-Tetrahydro-1-phenyl... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.61	2.21 ng/ul	40689	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,3,4-Tetrahydro-1-phenyl-1,2,...	218	C17H14	138089-69-7	50
2	Anthracene, 9-(2-propenyl)-	218	C17H14	023707-65-5	49
3	4,4,9,9-Tetramethyl-4,9-disilatr...	218	C12H18Si2	1000280-67-7	46
4	2-Butenamide, 3-methyl-N-1H-puri...	217	C10H11N5O	021589-34-4	27
5	Indole-5-carboxylic acid, 1,2,3-...	203	C12H13NO2	1000272-88-4	25





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Sample : H1096-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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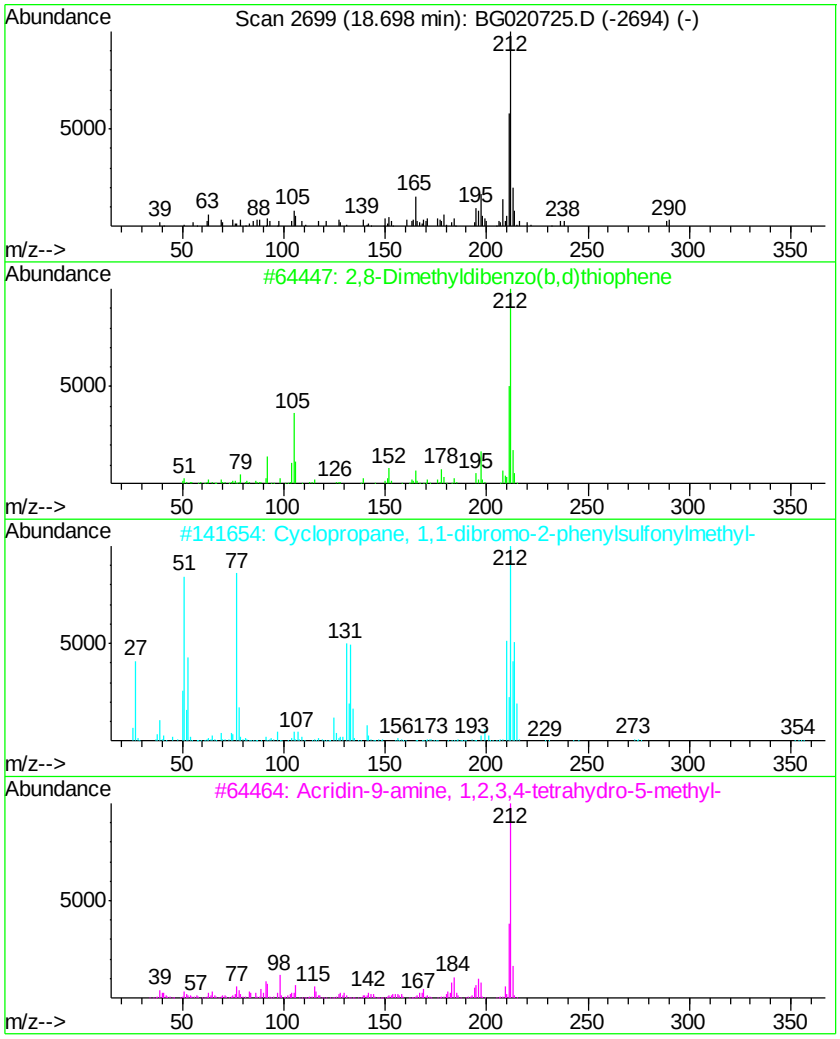
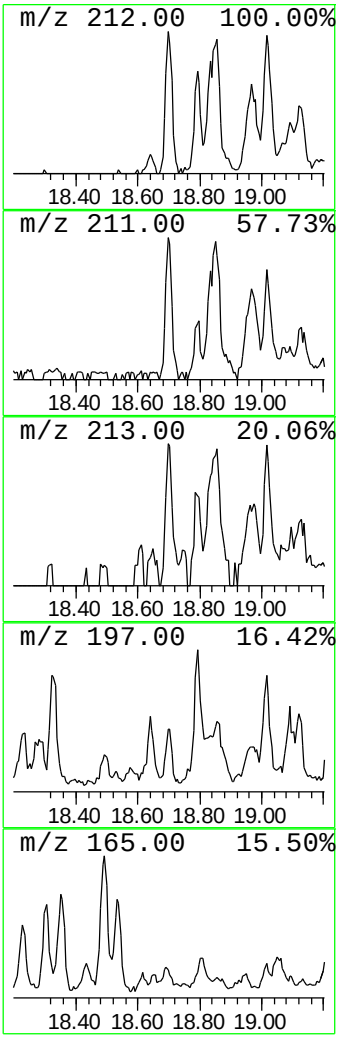
Peak Number 22 2,8-Dimethyldibenzo(b,d)thi... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.70	2.14 ng/ul	39540	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	94
2	Cyclopropane, 1,1-dibromo-2-phen...	352	C10H10Br2O2S	1000298-00-5	90
3	Acridin-9-amine, 1,2,3,4-tetrahy...	212	C14H16N2	005778-78-9	59
4	2,5-Dimethyl-4-(3-amino-4-methyl...	212	C14H16N2	071153-33-8	59
5	[1,1'-Biphenyl]-4,4'-diamine, 3,...	212	C14H16N2	000119-93-7	50





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Instrument : BNA_G
ClientSampleId : BC939

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Quant Title : SVOA CALIBRATION

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

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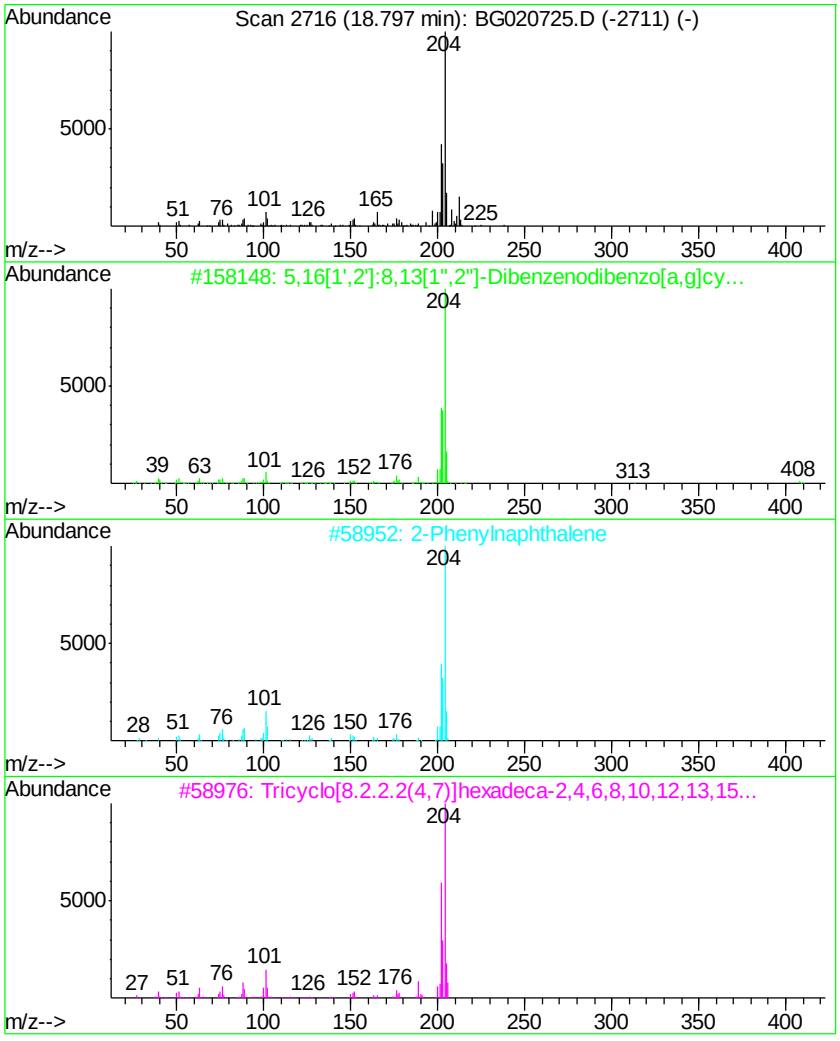
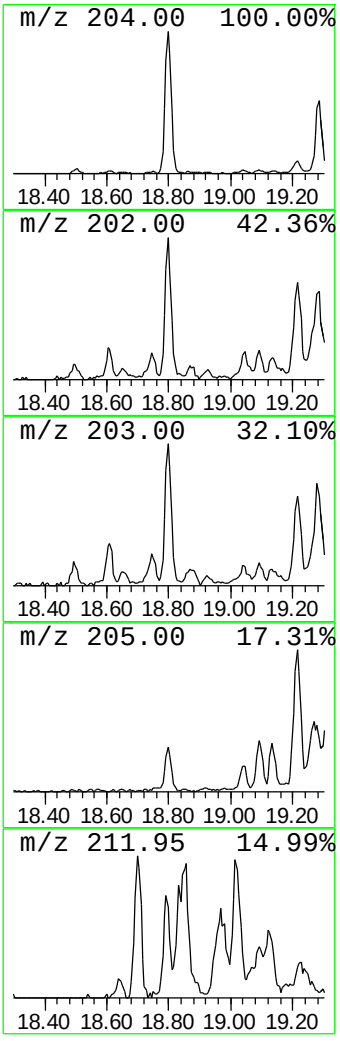
Peak Number 23 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.80	8.02 ng/ul	147802	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
2	2-Phenylnaphthalene	204	C16H12	035465-71-5	78
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58





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Sample : H1096-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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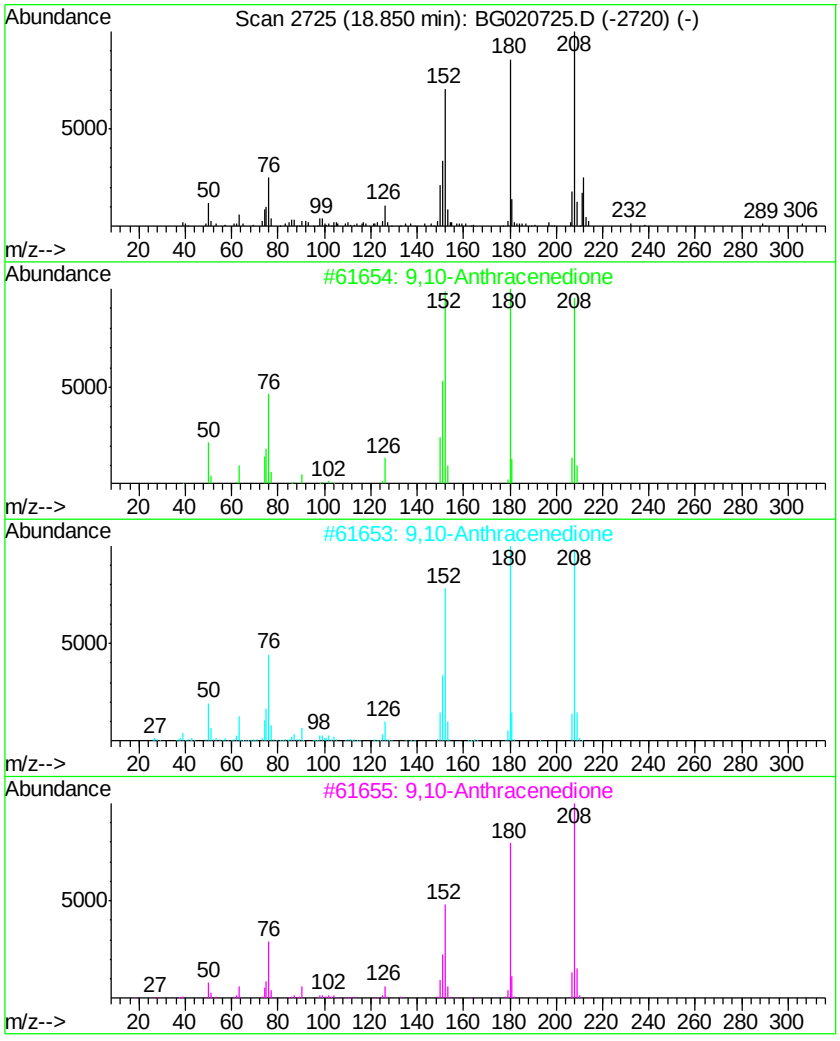
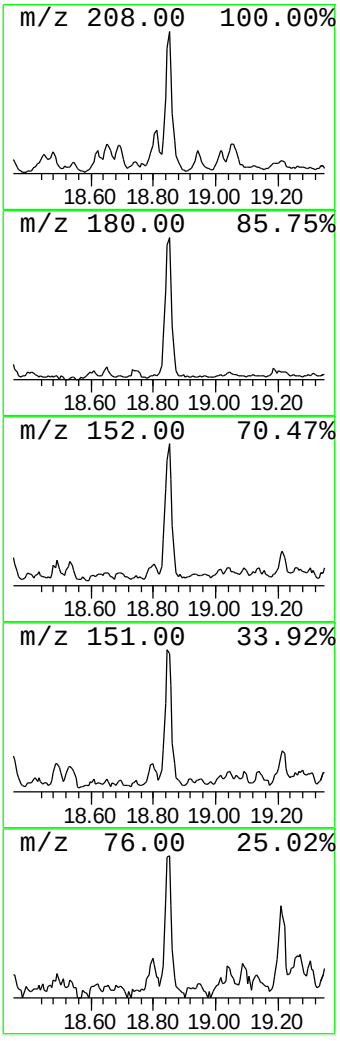
Peak Number 24 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	9.39 ng/ul	173164	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	89
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64





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Sample : H1096-09
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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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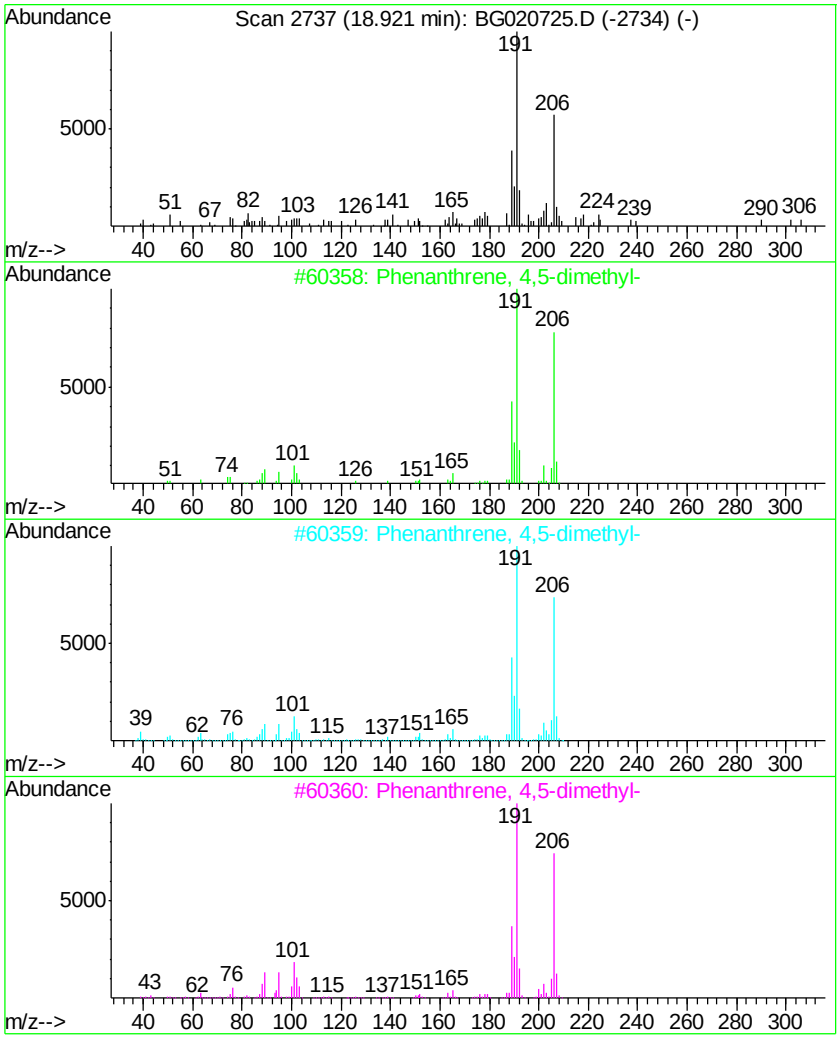
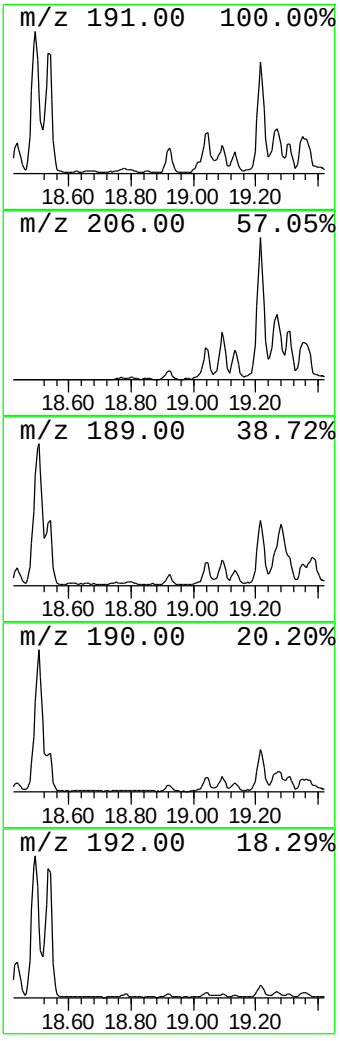
Peak Number 25 Phenanthrene, 4,5-dimethyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.92	2.84 ng/ul	52283	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	86





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Acq On : 14 Jan 2016 7:25
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Sample : H1096-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC939

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Quant Title : SVOA CALIBRATION

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

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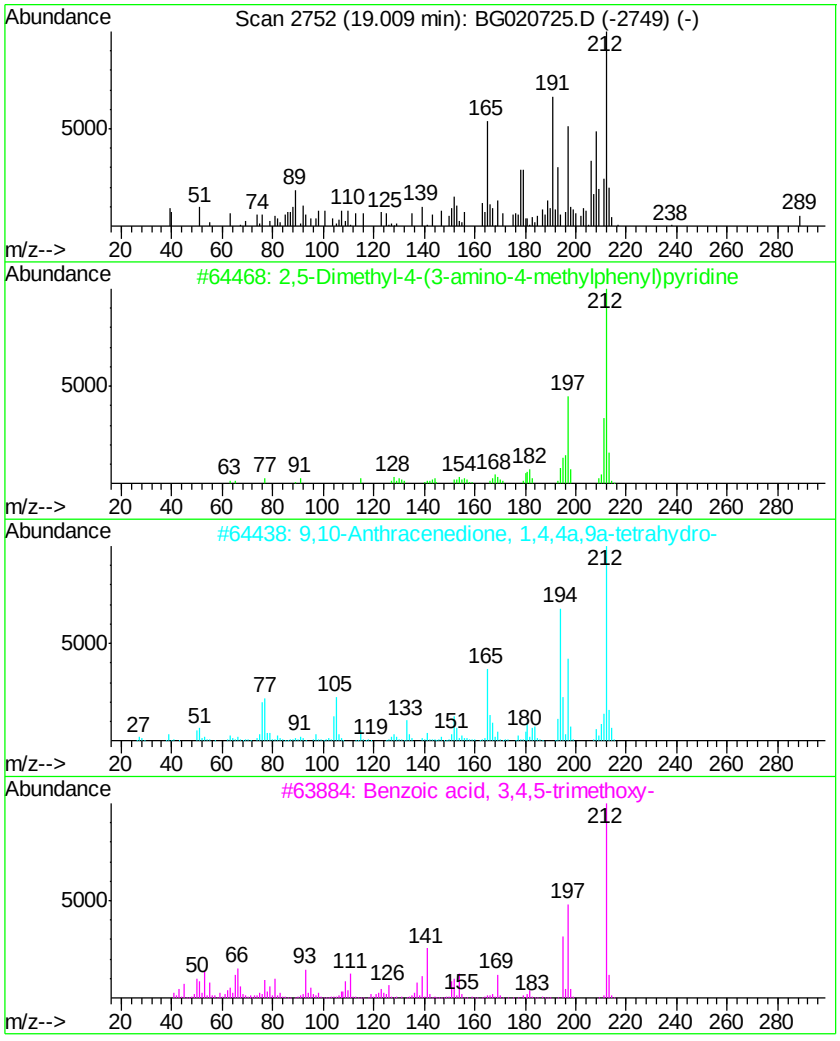
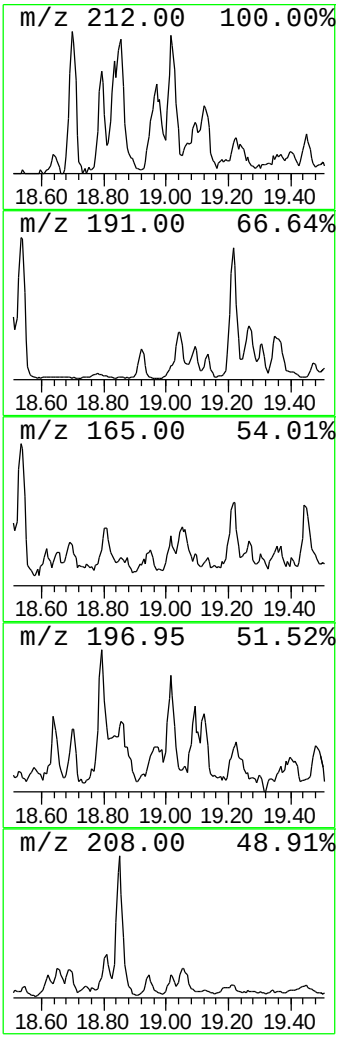
Peak Number 26 unknown-01 Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.01	2.07 ng/ul	38240	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-Dimethyl-4-(3-amino-4-methyl...	212	C14H16N2	071153-33-8	38
2	9,10-Anthracenedione, 1,4,4a,9a-...	212	C14H12O2	056136-14-2	38
3	Benzoic acid, 3,4,5-trimethoxy-	212	C10H12O5	000118-41-2	22
4	Benzoic acid, 3,4,5-trimethoxy-	212	C10H12O5	000118-41-2	22
5	Benzeneethanamine, 2,3,4,5-tetra...	241	C12H19NO4	013022-03-2	16





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Sample : H1096-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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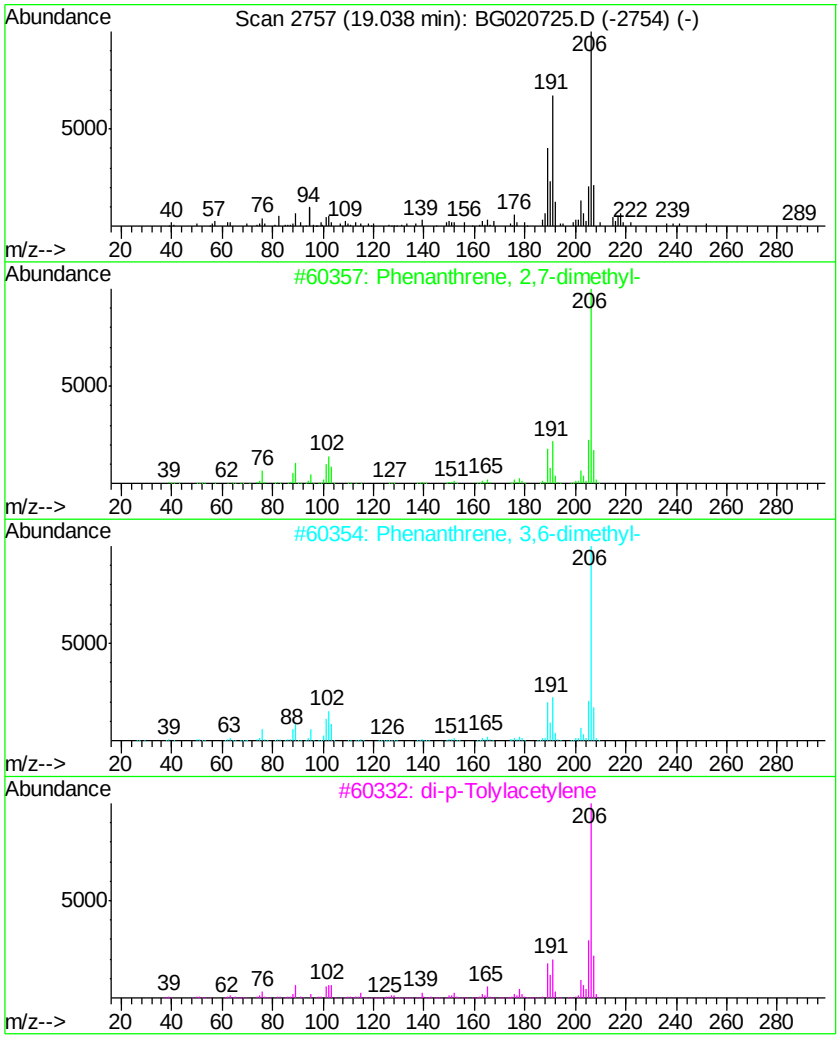
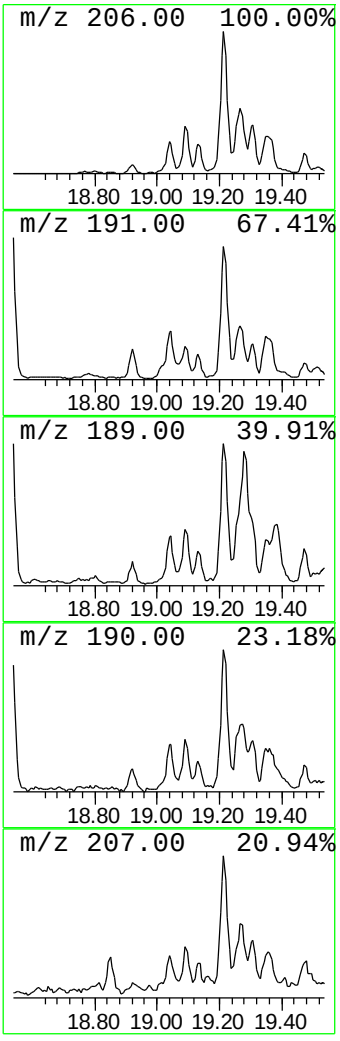
Peak Number 27 Phenanthrene, 2,7-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.04	5.28 ng/ul	97390	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	81





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Instrument : BNA_G
ClientSampleId : BC939

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Quant Title : SVOA CALIBRATION

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

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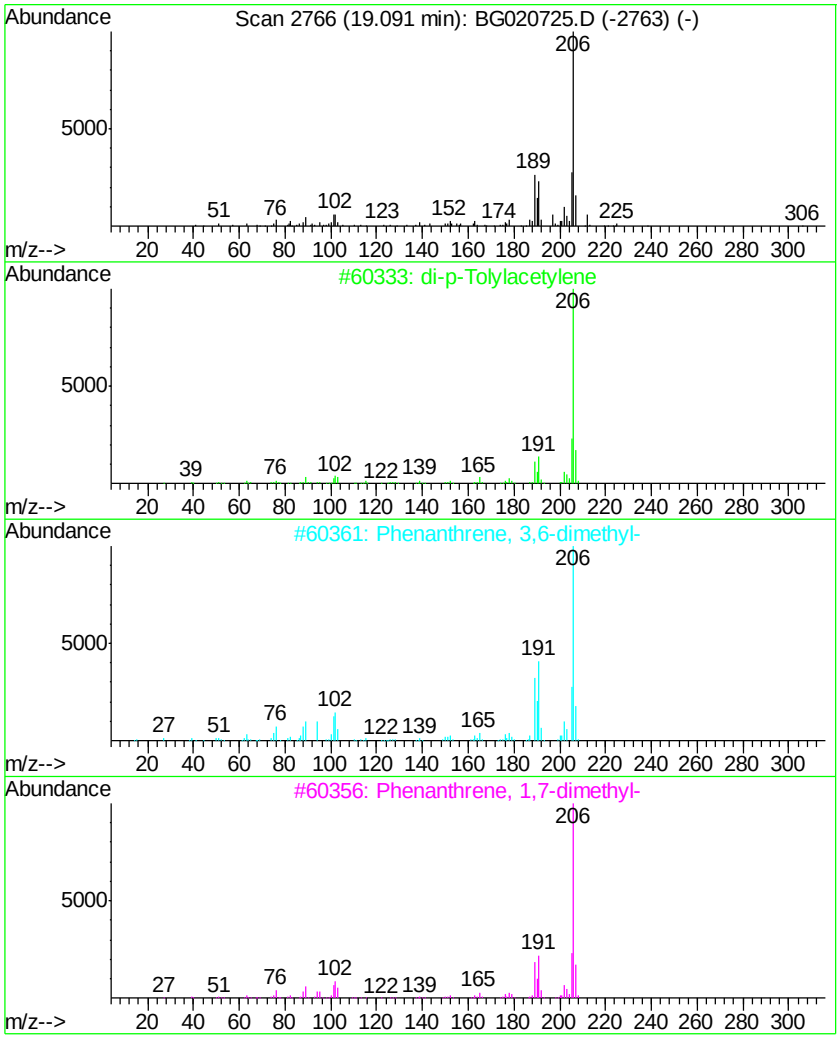
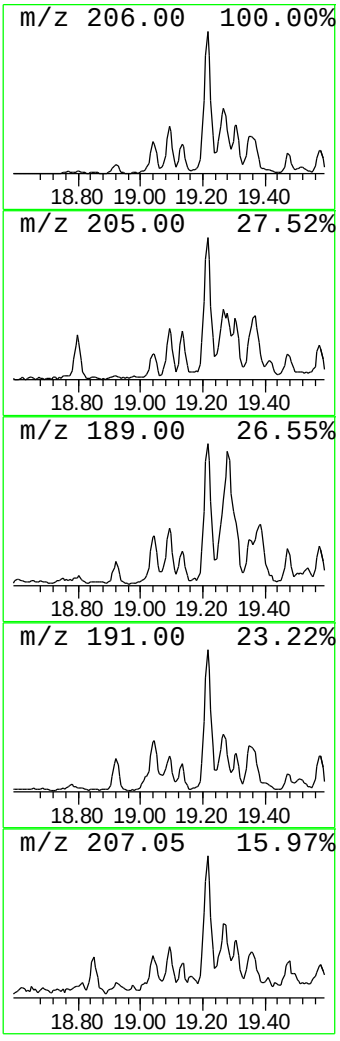
Peak Number 28 di-p-Tolylacetylene Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.09	3.58 ng/ul	66104	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90





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Sample : H1096-09
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Instrument : BNA_G
ClientSampleId : BC939

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Quant Title : SVOA CALIBRATION

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

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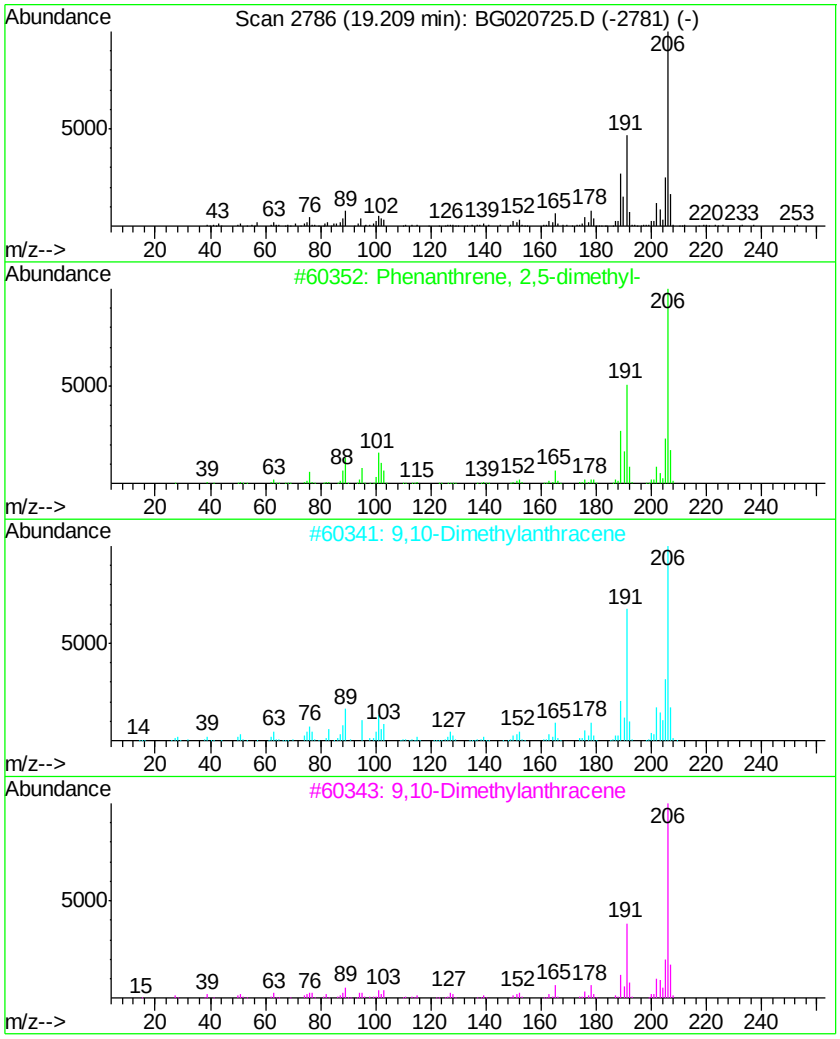
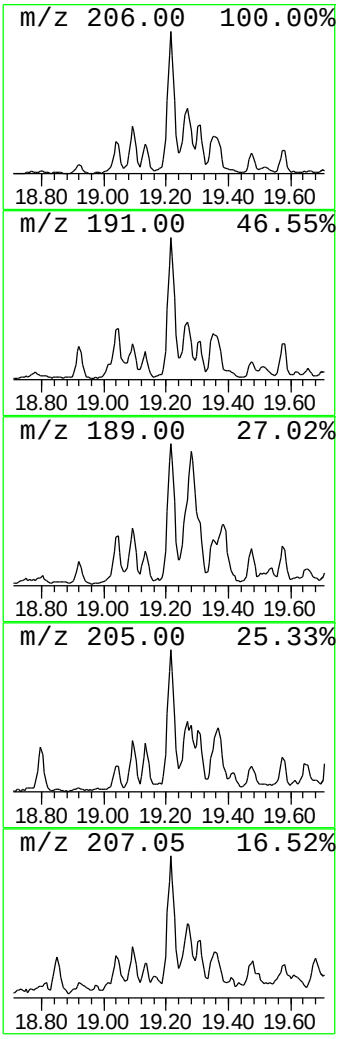
Peak Number 30 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.21	20.36 ng/ul	375462	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





Tentatively Identified Compound (LSC) summary

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Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	3.13	32.4	ng/ul	204738	1	8.04	126300	20.0
(DEL) Alkane: Cyc...	4.40	13.7	ng/ul	86727	1	8.04	126300	20.0
(DEL) Alkane: Cyc...	4.82	8.8	ng/ul	55689	1	8.04	126300	20.0
Naphthalene, 1,6,...	15.07	2.4	ng/ul	36141	3	14.68	304772	20.0
Naphthalene, 1,4,...	15.29	2.4	ng/ul	37112	3	14.68	304772	20.0
Naphthalene, 1,4,...	15.46	2.4	ng/ul	36225	3	14.68	304772	20.0
Benzene, (4,5,5-t...	16.39	3.6	ng/ul	66121	4	17.43	368782	20.0
9H-Fluorene, 2-me...	16.78	2.1	ng/ul	39010	4	17.43	368782	20.0
9H-Fluoren-9-one	17.08	2.8	ng/ul	51530	4	17.43	368782	20.0
.alpha.-Methylsti...	17.62	3.0	ng/ul	55116	4	17.43	368782	20.0
Anthracene, 9-eth...	17.94	2.1	ng/ul	38354	4	17.43	368782	20.0
Dibenzothiophene,...	18.01	4.3	ng/ul	78936	4	17.43	368782	20.0
5H-Dibenzo[a,d]cy...	18.23	2.2	ng/ul	41118	4	17.43	368782	20.0
Phenanthrene, 1-m...	18.30	14.7	ng/ul	270208	4	17.43	368782	20.0
Phenanthrene, 2-m...	18.35	16.8	ng/ul	309391	4	17.43	368782	20.0
1H-Cyclopropa[l]p...	18.43	5.8	ng/ul	106077	4	17.43	368782	20.0
Anthracene, 1-met...	18.49	25.6	ng/ul	472584	4	17.43	368782	20.0
Phenanthrene, 4-m...	18.53	11.9	ng/ul	219022	4	17.43	368782	20.0
1,2,3,4-Tetrahydr...	18.61	2.2	ng/ul	40689	4	17.43	368782	20.0
2,8-Dimethyldiben...	18.70	2.1	ng/ul	39540	4	17.43	368782	20.0
5,16[1',2']:8,13[...	18.80	8.0	ng/ul	147802	4	17.43	368782	20.0
9,10-Anthracenedione	18.85	9.4	ng/ul	173164	4	17.43	368782	20.0
Phenanthrene, 4,5...	18.92	2.8	ng/ul	52283	4	17.43	368782	20.0
unknown-01	19.01	2.1	ng/ul	38240	4	17.43	368782	20.0
Phenanthrene, 2,7...	19.04	5.3	ng/ul	97390	4	17.43	368782	20.0
di-p-Tolylacetylene	19.09	3.6	ng/ul	66104	4	17.43	368782	20.0
Phenanthrene, 2,5...	19.21	20.4	ng/ul	375462	4	17.43	368782	20.0