LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016193.D
Acq On : 28 Mar 2015 1:50
Operator : TP/IZ
Sample : G1647-09 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8

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\SOM01.2-EPA-BG031715.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	2.936	36	42	51	rBV2	120558	268347	1.58%	0.153%
2	3.012	51	55	60	rVV	221523	305770	1.80%	0.174%
3	7.794	861	869	876	rBV	279389	440018	2.59%	0.251%
4	10.585	1332	1344	1348	rBV	402010	709745	4.17%	0.405%
5	10.632	1348	1352	1359	rVB	166390	268582	1.58%	0.153%
6	12.241	1619	1626	1633	rVB	177653	282800	1.66%	0.161%
7	12.464	1651	1664	1672	rVB	263736	449983	2.64%	0.257%
8	13.251	1792	1798	1804	rBV2	170942	266967	1.57%	0.152%
9	13.580	1844	1854	1856	rBV	189248	311995	1.83%	0.178%
10	13.745	1874	1882	1886	rBV	310433	554335	3.26%	0.316%
11	13.798	1886	1891	1894	rVV	232132	361557	2.12%	0.206%
12	13.827	1894	1896	1901	rVV	211699	252750	1.49%	0.144%
13	13.974	1918	1921	1925	rVV	163399	250830	1.47%	0.143%
14	14.115	1939	1945	1948	rBV	269066	431504	2.54%	0.246%
15	14.420	1987	1997	2003	rVV3	590540	1088568	6.40%	0.621%
16	14.485	2003	2008	2015	rVV	1716599	2614956	15.36%	1.491%
17	14.626	2026	2032	2041	rBV	144985	295089	1.73%	0.168%
18	14.820	2059	2065	2071	rVB	1224627	1720114	10.11%	0.981%
19	15.037	2093	2102	2106	rBV2	137148	259472	1.52%	0.148%
20	15.090	2106	2111	2123	rVV	151652	258542	1.52%	0.147%
21	15.208	2123	2131	2134	rVV2	108072	229074	1.35%	0.131%
22	15.407	2157	2165	2170	rVV2	332984	610878	3.59%	0.348%
23	15.472	2170	2176	2185	rVV	2200221	3232501	18.99%	1.843%
24	15.560	2185	2191	2193	rVV	150816	235406	1.38%	0.134%
25	15.589	2193	2196	2199	rVV2	252690	369211	2.17%	0.210%
26	15.631	2199	2203	2207	rVV2	359337	572528	3.36%	0.326%
27	15.678	2207	2211	2214	rVV3	137183	228960	1.35%	0.131%
28	15.713	2214	2217	2221	rVV2	174597	286216	1.68%	0.163%
29	15.760	2221	2225	2232	rVB	443081	681810	4.01%	0.389%
30	15.907	2243	2250	2258	rVV	495157	1003240	5.89%	0.572%
31	16.142	2282	2290	2301	rVB5	171058	441150	2.59%	0.251%
32	16.471	2334	2346	2350	rBV2	397313	848407	4.98%	0.484%
33	16.518	2350	2354	2360	rVV2	172003	281729	1.66%	0.161%
34	16.618	2368	2371	2375	rVB	189011	241268	1.42%	0.138%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016193.D
Acq On : 28 Mar 2015 1:50
Operator : TP/IZ
Sample : G1647-09 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8

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\SOM01.2-EPA-BG031715.M
Title : SVOA CALIBRATION

35	16.694	2381	2384	2388	rVV2	147892	228268	1.34%	0.130%
36	16.735	2388	2391	2395	rVB2	177122	225816	1.33%	0.129%
37	16.894	2412	2418	2428	rVV3	252299	684145	4.02%	0.390%
38	16.982	2428	2433	2442	rVB	578841	933056	5.48%	0.532%
39	17.164	2459	2464	2467	rBV	543029	916903	5.39%	0.523%
40	17.223	2467	2474	2478	rVV	6635833	11896331	69.90%	6.781%
41	17.264	2478	2481	2483	rVV2	436008	590556	3.47%	0.337%
42	17.305	2483	2488	2492	rVV	3484449	5136601	30.18%	2.928%
43	17.352	2492	2496	2502	rVB3	244059	406681	2.39%	0.232%
44	17.569	2523	2533	2537	rBV	828526	1333276	7.83%	0.760%
45	18.039	2603	2613	2617	rBV	1033504	1716670	10.09%	0.979%
46	18.086	2617	2621	2627	rVB	1476499	2186734	12.85%	1.246%
47	18.168	2628	2635	2640	rBV	927711	1403310	8.25%	0.800%
48	18.239	2640	2647	2651	rVV2	2276202	4075602	23.95%	2.323%
49	18.268	2651	2652	2658	rVV	669497	670701	3.94%	0.382%
50	18.345	2661	2665	2668	rVV2	147241	225525	1.33%	0.129%
51	18.538	2693	2698	2702	rVV	865643	1144883	6.73%	0.653%
52	18.585	2702	2706	2710	rVB	182142	238883	1.40%	0.136%
53	18.785	2736	2740	2744	rVB3	199992	255418	1.50%	0.146%
54	18.832	2745	2748	2751	rVV	212582	260086	1.53%	0.148%
55	18.873	2751	2755	2758	rVB	226776	285149	1.68%	0.163%
56	18.956	2763	2769	2776	rBV2	505823	1057593	6.21%	0.603%
57	19.020	2777	2780	2783	rBV	277005	343734	2.02%	0.196%
58	19.108	2790	2795	2802	rVB3	348090	717302	4.21%	0.409%
59	19.243	2809	2818	2822	rBV	7267250	14350729	84.32%	8.180%
60	19.320	2828	2831	2835	rVB2	326478	416562	2.45%	0.237%
61	19.420	2843	2848	2850	rBV5	151626	264159	1.55%	0.151%
62	19.467	2851	2856	2860	rVB2	338033	612525	3.60%	0.349%
63	19.602	2867	2879	2885	rBV3	6813042	17019337	100.00%	9.701%
64	19.655	2885	2888	2895	rVB2	588732	881984	5.18%	0.503%
65	19.760	2902	2906	2912	rVB	677011	911987	5.36%	0.520%
66	19.825	2913	2917	2922	rVB	640899	909267	5.34%	0.518%
67	19.901	2925	2930	2937	rBV3	728352	1823245	10.71%	1.039%
68	19.960	2937	2940	2944	rBV	264818	305141	1.79%	0.174%
69	20.036	2949	2953	2956	rBV3	599913	1052629	6.18%	0.600%
70	20.083	2956	2961	2965	rVB	2309731	3383976	19.88%	1.929%
71	20.125	2965	2968	2971	rBV	175499	244098	1.43%	0.139%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016193.D
Acq On : 28 Mar 2015 1:50
Operator : TP/IZ
Sample : G1647-09 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8

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\SOM01.2-EPA-BG031715.M
Title : SVOA CALIBRATION

72	20.177	2972	2977	2981	rBV	2165513	3124718	18.36%	1.781%
73	20.236	2981	2987	2991	rVV3	1005206	1836107	10.79%	1.047%
74	20.277	2991	2994	2997	rVB	281819	317846	1.87%	0.181%
75	20.313	2997	3000	3005	rVB2	303454	414061	2.43%	0.236%
76	20.377	3007	3011	3014	rBV	494239	611300	3.59%	0.348%
77	20.424	3015	3019	3023	rVB	508088	639600	3.76%	0.365%
78	20.782	3076	3080	3084	rBV	399763	674170	3.96%	0.384%
79	20.824	3084	3087	3093	rVB3	406175	649247	3.81%	0.370%
80	20.988	3111	3115	3118	rBV2	674124	910848	5.35%	0.519%
81	21.023	3118	3121	3125	rVV	1034896	1352211	7.95%	0.771%
82	21.070	3125	3129	3133	rVB2	1070007	1530378	8.99%	0.872%
83	21.335	3165	3174	3178	rBV3	6003988	11014565	64.72%	6.279%
84	21.388	3179	3183	3191	rVB	5024671	7093030	41.68%	4.043%
85	21.499	3198	3202	3207	rBV	1828785	2267045	13.32%	1.292%
86	21.605	3217	3220	3224	rVB	610766	766601	4.50%	0.437%
87	21.658	3224	3229	3233	rBV3	877491	1370931	8.06%	0.781%
88	21.840	3256	3260	3263	rBV2	542725	755774	4.44%	0.431%
89	21.893	3264	3269	3274	rVB	1012496	1701732	10.00%	0.970%
90	22.057	3293	3297	3300	rBV2	666239	884827	5.20%	0.504%
91	22.098	3301	3304	3307	rVV	595547	914049	5.37%	0.521%
92	22.134	3308	3310	3315	rVB2	829085	1094599	6.43%	0.624%
93	22.192	3316	3320	3330	rVB4	690661	1281142	7.53%	0.730%
94	22.968	3443	3452	3456	rBV	3776166	10356760	60.85%	5.904%
95	23.126	3474	3479	3485	rVB	1172519	1876806	11.03%	1.070%
96	23.455	3528	3535	3545	rBV	2101666	4670841	27.44%	2.662%
97	23.561	3546	3553	3563	rVB	3843613	7772209	45.67%	4.430%
98	23.702	3572	3577	3584	rVB2	1360040	2681932	15.76%	1.529%
99	26.022	3962	3972	3981	rVB2	1448962	4376400	25.71%	2.495%
100	26.745	4089	4095	4112	rVB	805636	2728442	16.03%	1.555%

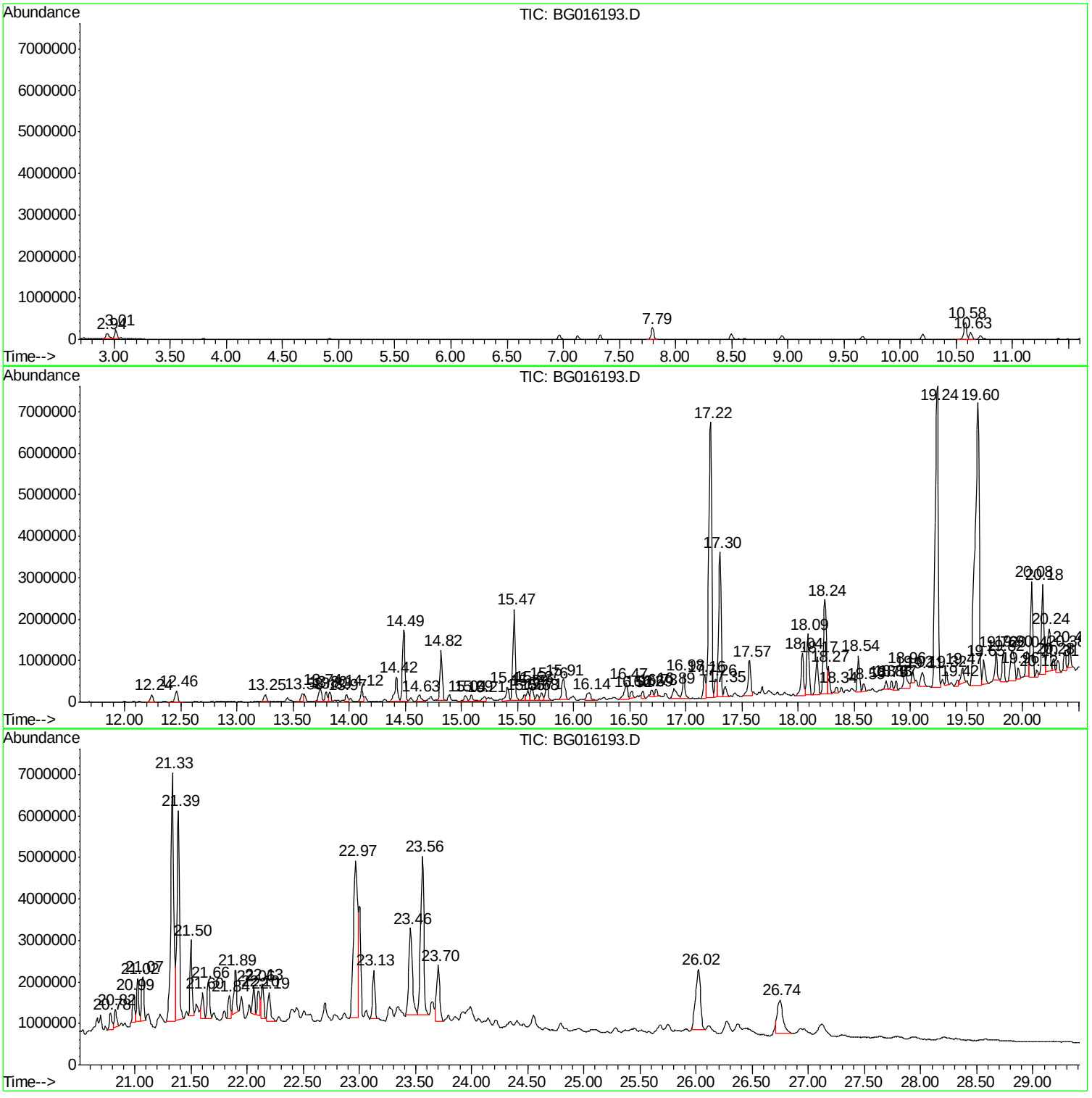
Sum of corrected areas: 175431335

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016193.D
Acq On : 28 Mar 2015 1:50
Operator : TP/IZ
Sample : G1647-09 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AC8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016193.D
Acq On : 28 Mar 2015 1:50
Operator : TP/IZ
Sample : G1647-09 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

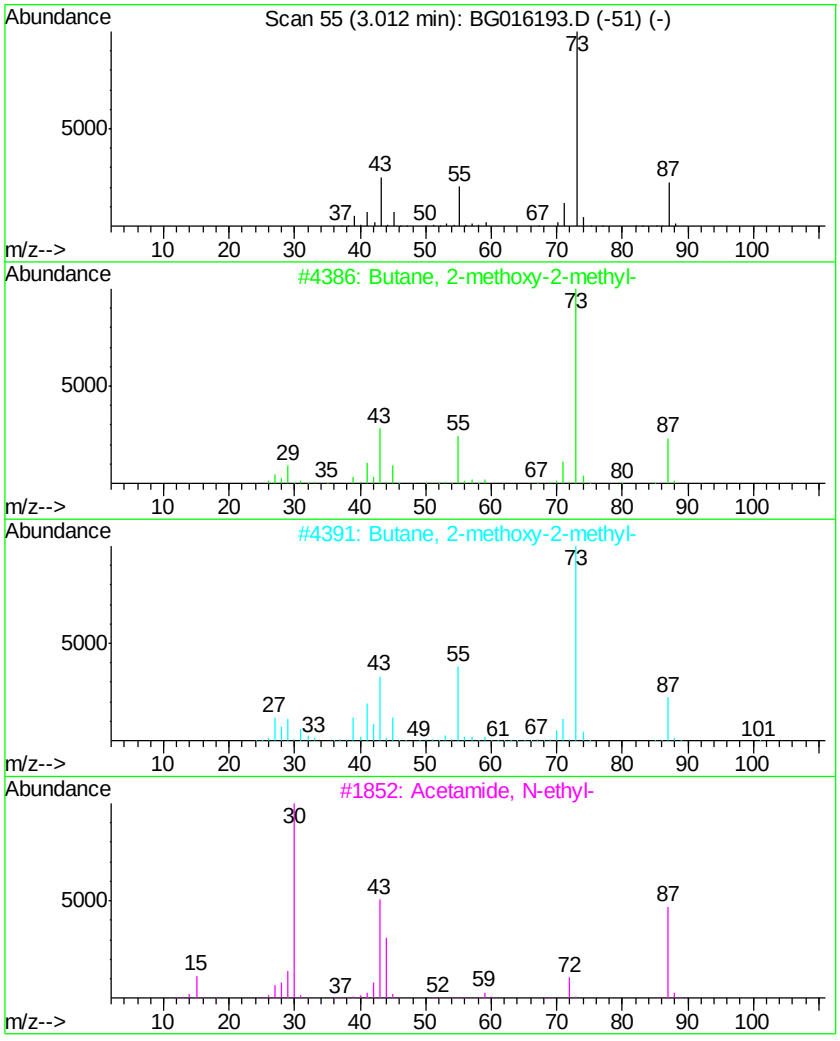
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

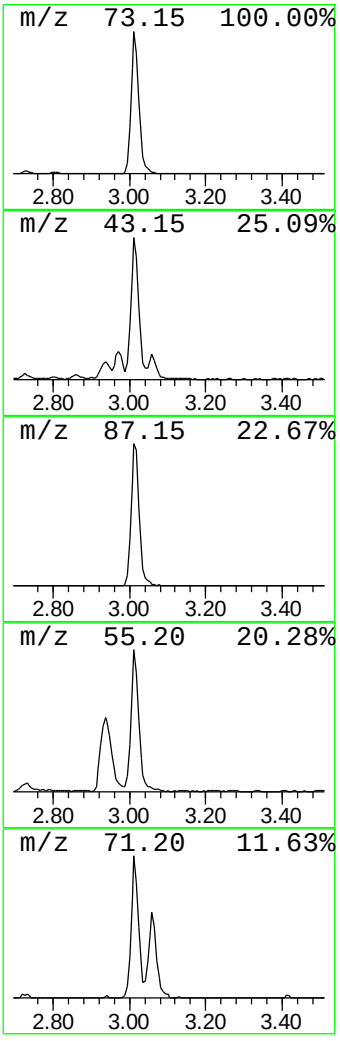
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.01	13.90 ng/ul	305770	1,4-Dichlorobenzene-d4	7.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016193.D
Acq On : 28 Mar 2015 1:50
Operator : TP/IZ
Sample : G1647-09 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

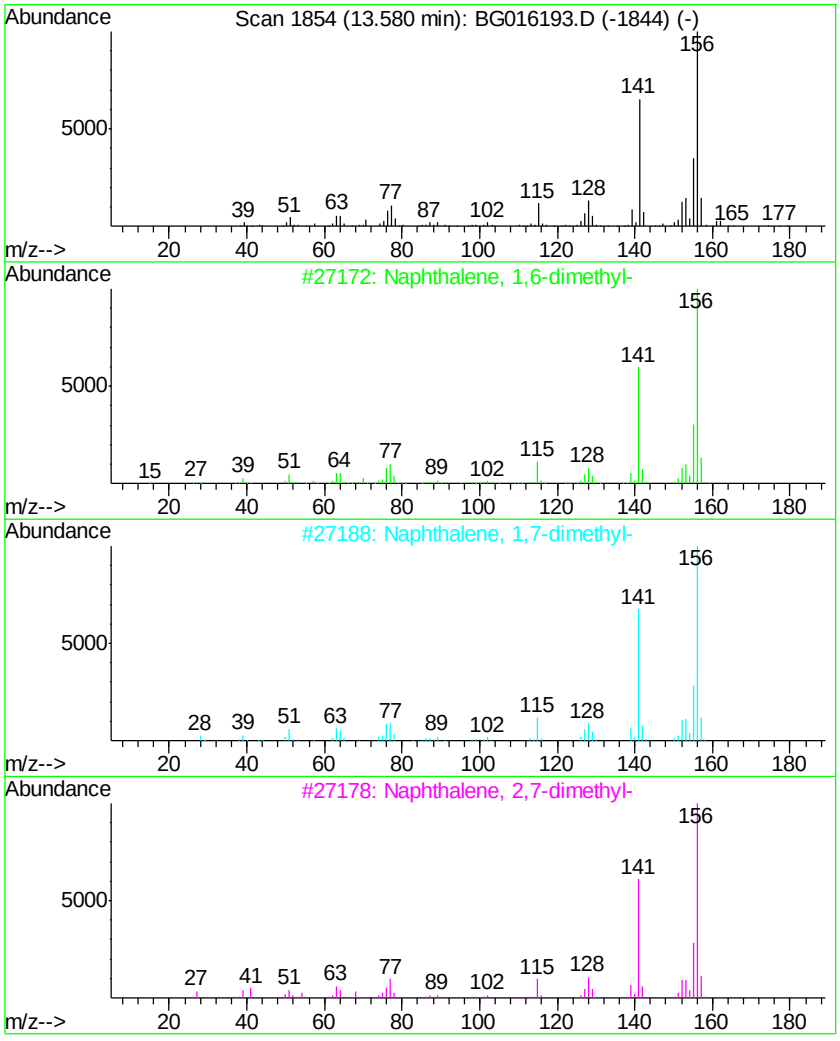
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

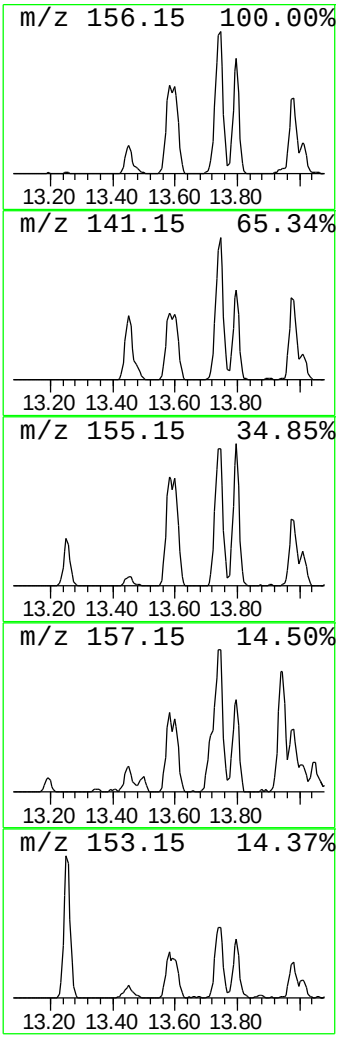
****

Peak Number 4 Naphthalene, 1,6-dimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.58	5.73 ng/ul	311995	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016193.D
Acq On : 28 Mar 2015 1:50
Operator : TP/IZ
Sample : G1647-09 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

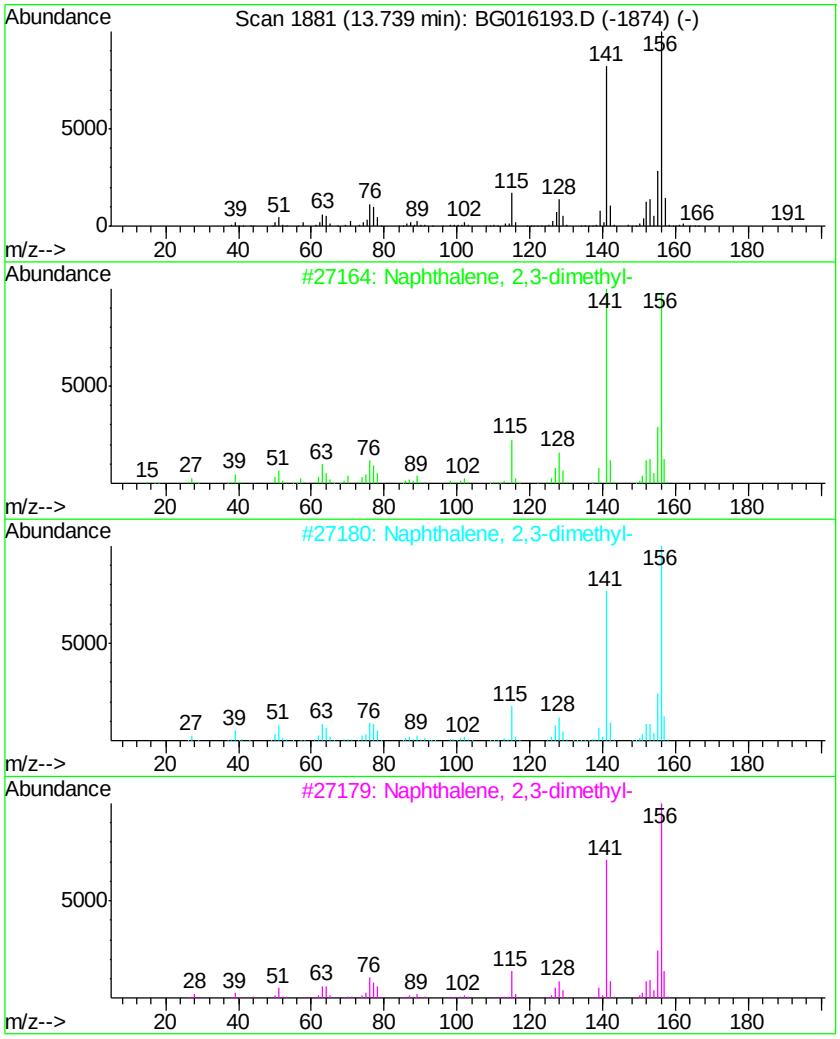
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

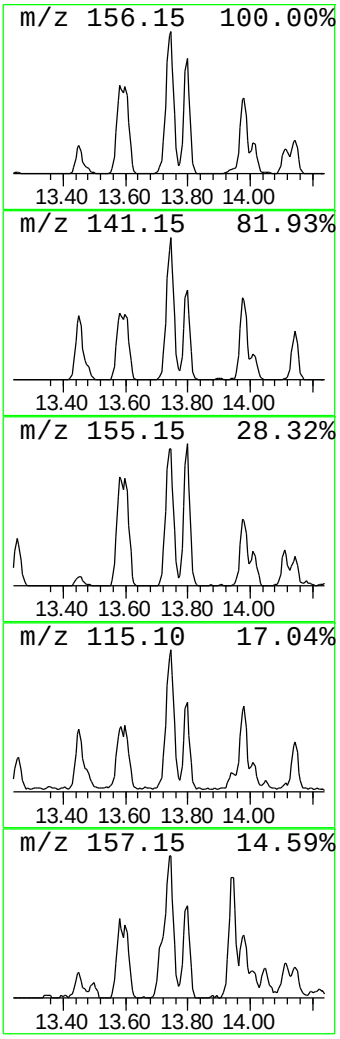
****

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	10.18 ng/ul	554335	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016193.D
Acq On : 28 Mar 2015 1:50
Operator : TP/IZ
Sample : G1647-09 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

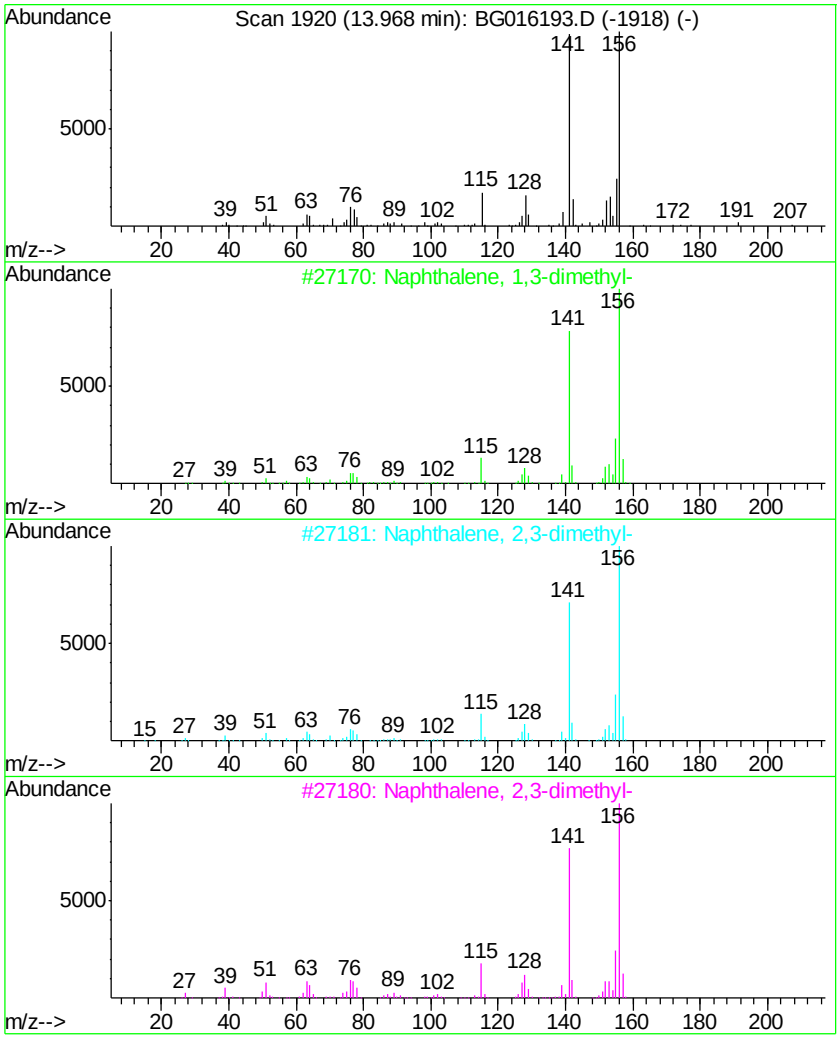
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

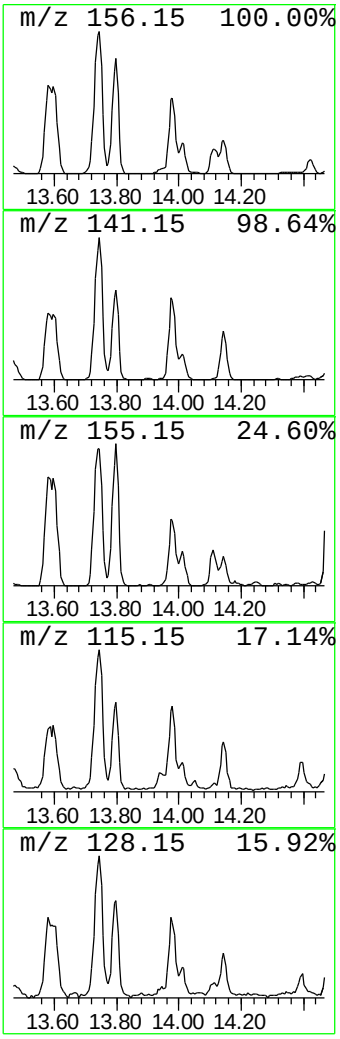
****

Peak Number 6 Naphthalene, 1,3-dimethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	4.61 ng/ul	250830	Acenaphthene-d10	14.42

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





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016193.D
Acq On : 28 Mar 2015 1:50
Operator : TP/IZ
Sample : G1647-09 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

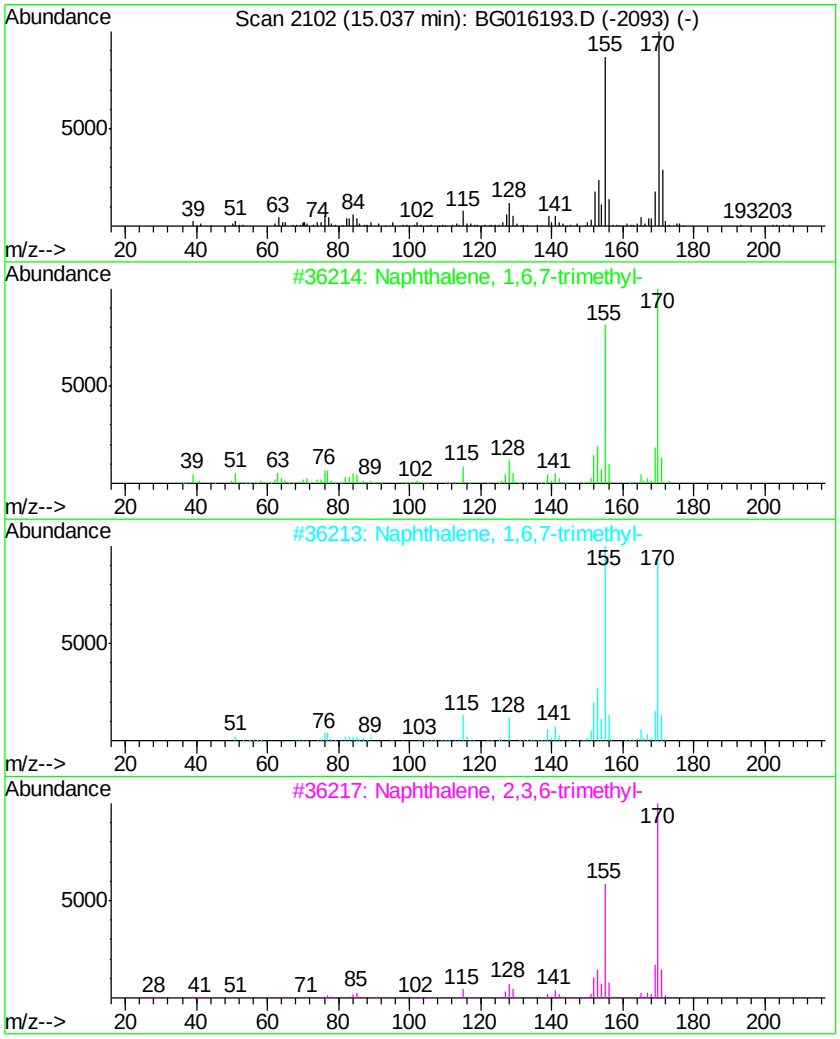
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

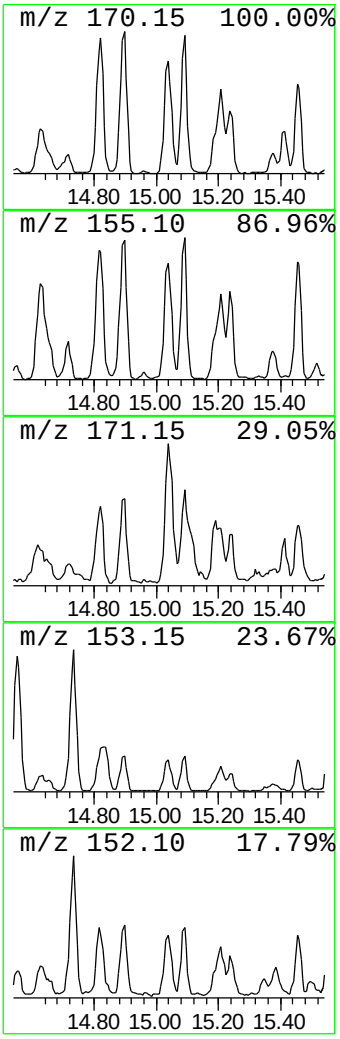
****

Peak Number 7 Naphthalene, 1,6,7-trimethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.04	4.77 ng/ul	259472	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95





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Sample : G1647-09 2X
Misc :
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Instrument : BNA_G
ClientSampleId : C0AC8

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Quant Title : SVOA CALIBRATION

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

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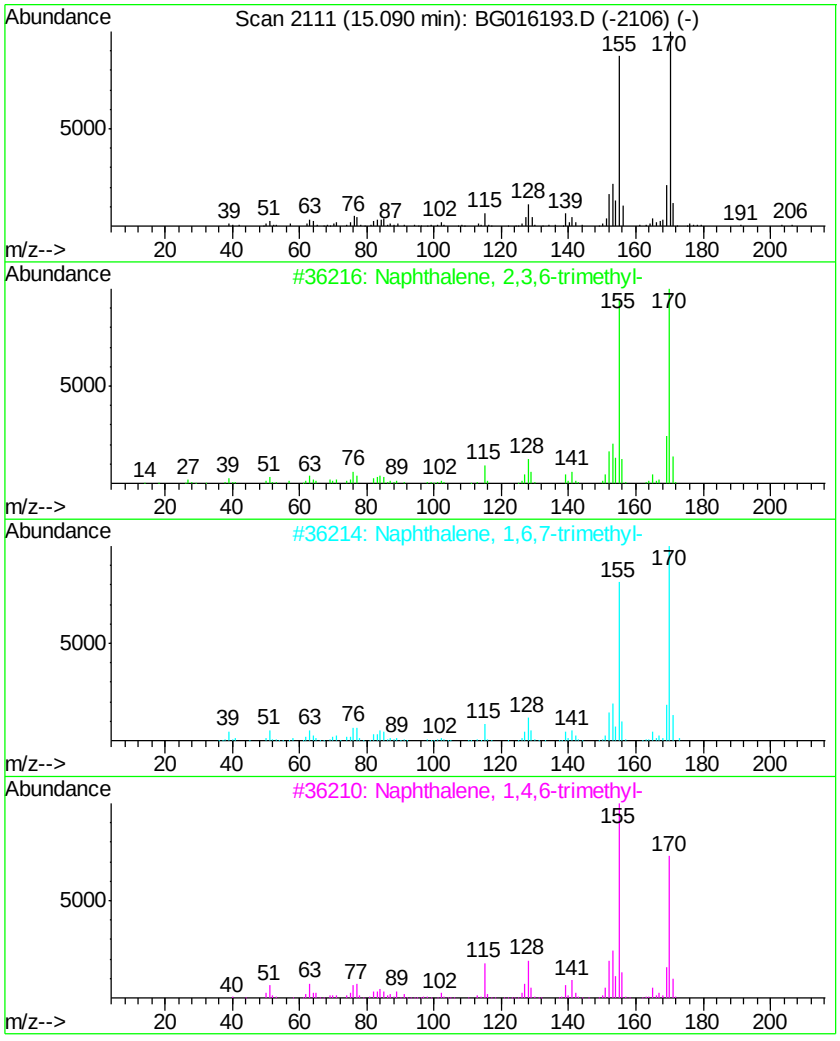
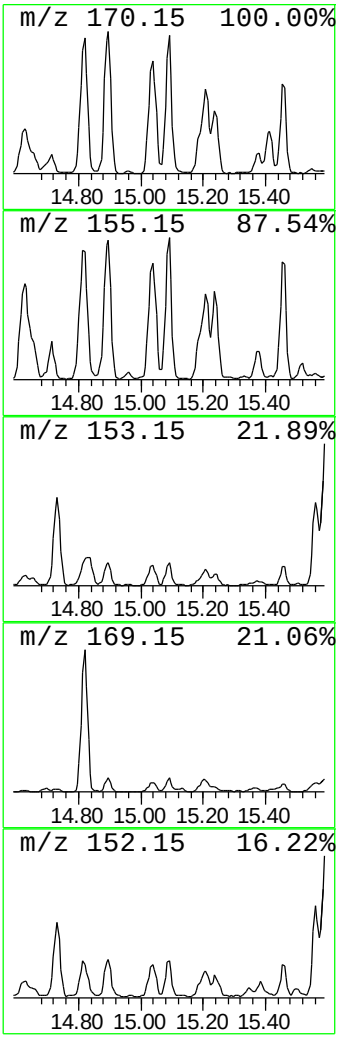
Peak Number 8 Naphthalene, 2,3,6-trimethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.09	4.75 ng/ul	258542	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95





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Misc :
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Instrument : BNA_G
ClientSampleId : C0AC8

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Quant Title : SVOA CALIBRATION

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

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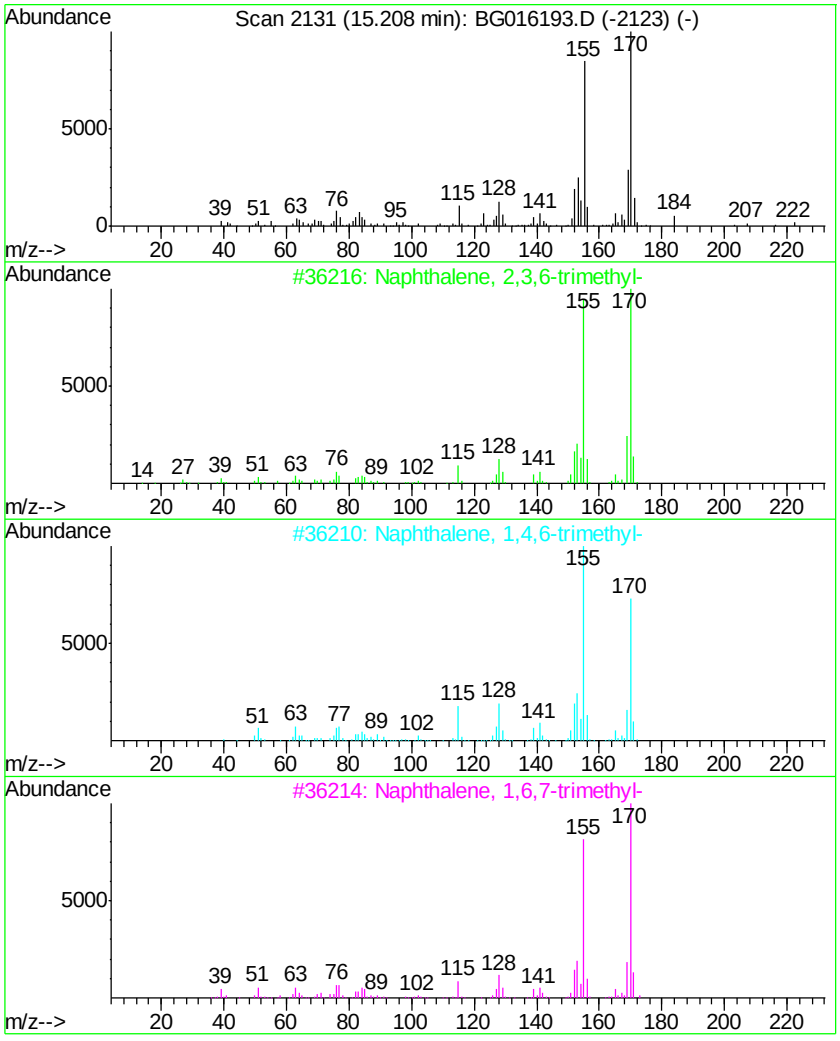
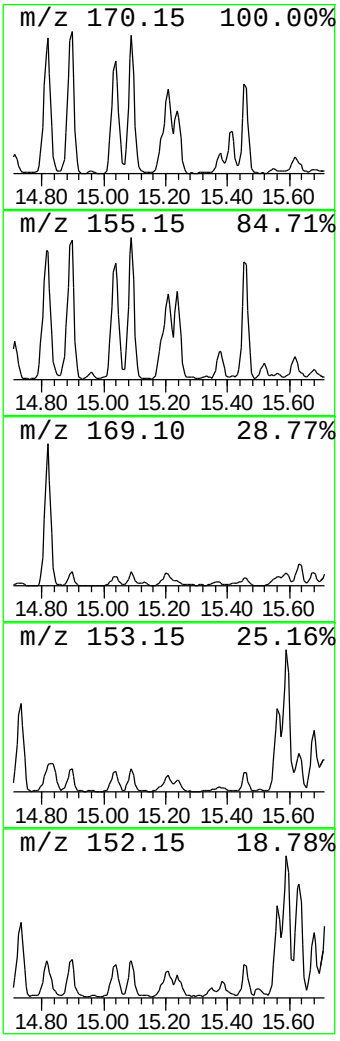
Peak Number 9 Naphthalene, 1,4,5-trimethyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.21	4.21 ng/ul	229074	Acenaphthene-d10	14.42

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





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Instrument : BNA_G
ClientSampleId : C0AC8

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Quant Title : SVOA CALIBRATION

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

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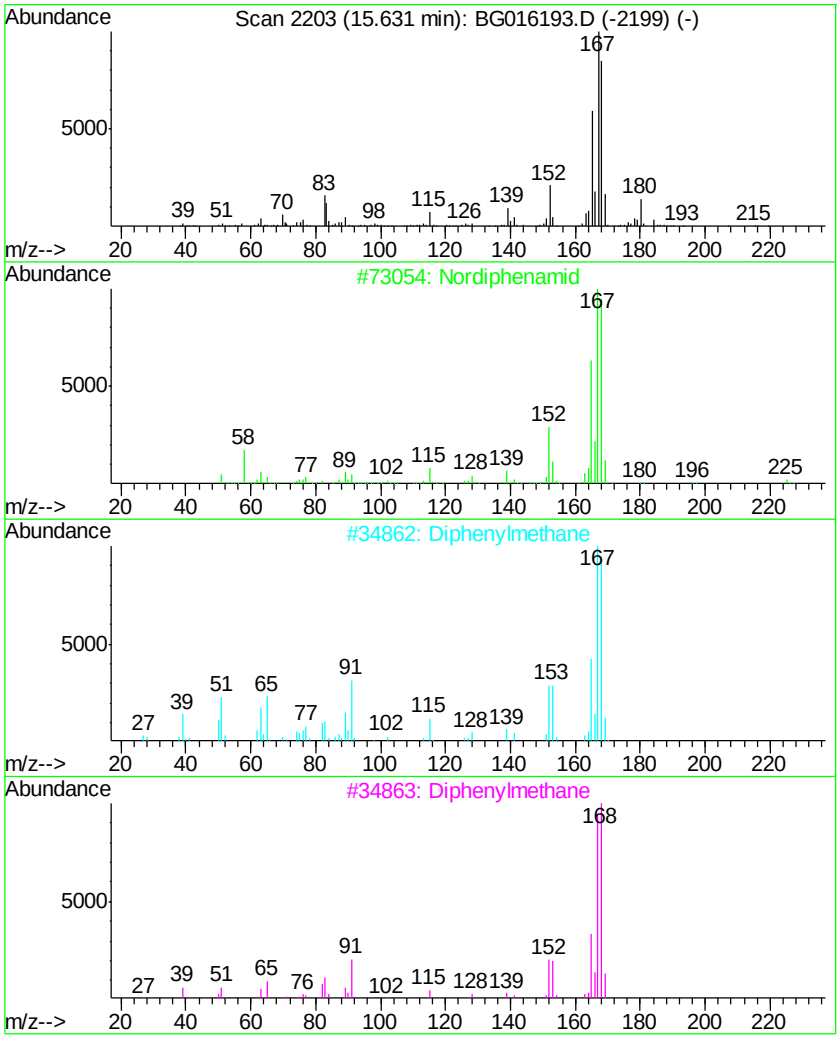
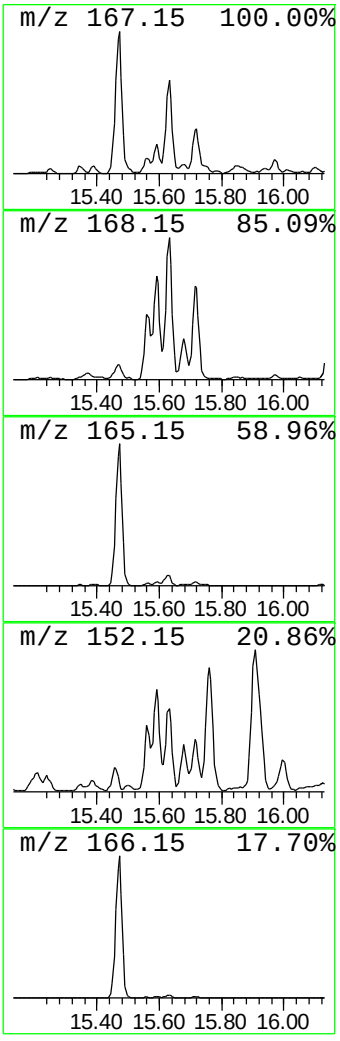
Peak Number 10 Nordiphenamid Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.63	10.52 ng/ul	572528	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	80
2	Diphenylmethane	168	C13H12	000101-81-5	64
3	Diphenylmethane	168	C13H12	000101-81-5	64
4	Acetamide, N-cycloheptyl-2,2-dip...	307	C21H25NO	351062-01-6	59
5	Diphenylmethane	168	C13H12	000101-81-5	58





Library Search Compound Report

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Misc :
ALS Vial : 22 Sample Multiplier: 1

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ClientSampleId : C0AC8

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Quant Title : SVOA CALIBRATION

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

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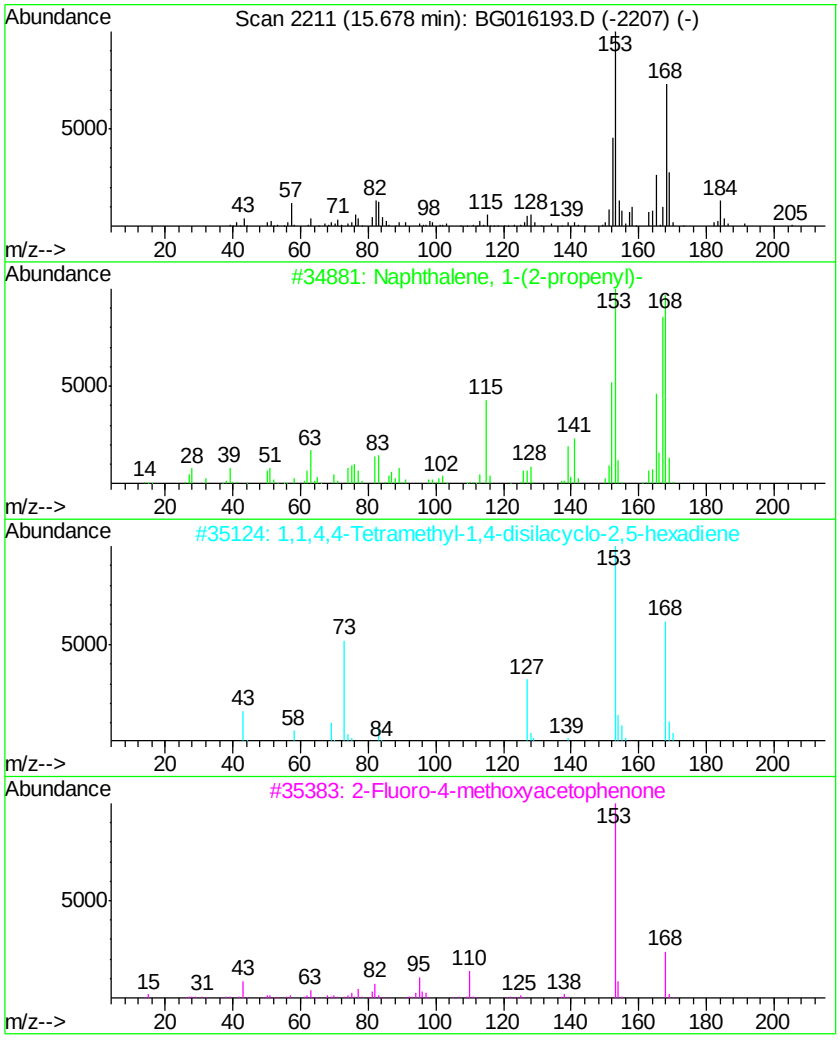
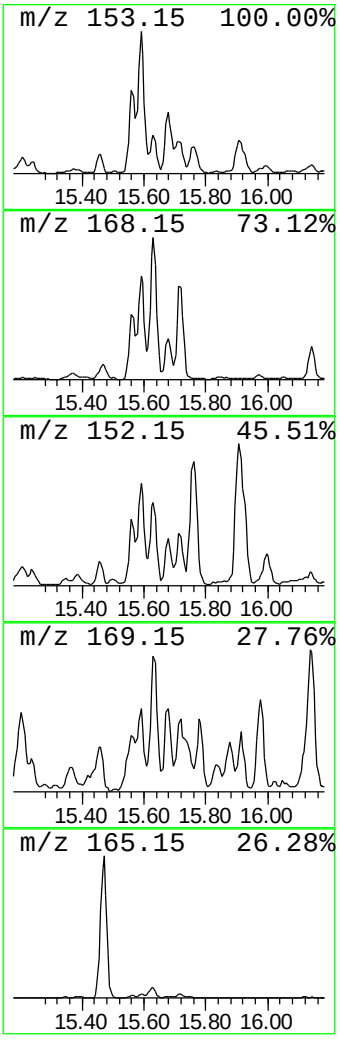
Peak Number 11 Naphthalene, 1-(2-propenyl)- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	4.21 ng/ul	228960	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	59
2	1,1,4,4-Tetramethyl-1,4-disilacy...	168	C8H16Si2	020627-53-6	49
3	2-Fluoro-4-methoxyacetophenone	168	C9H9FO2	074457-86-6	47
4	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	45
5	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	45





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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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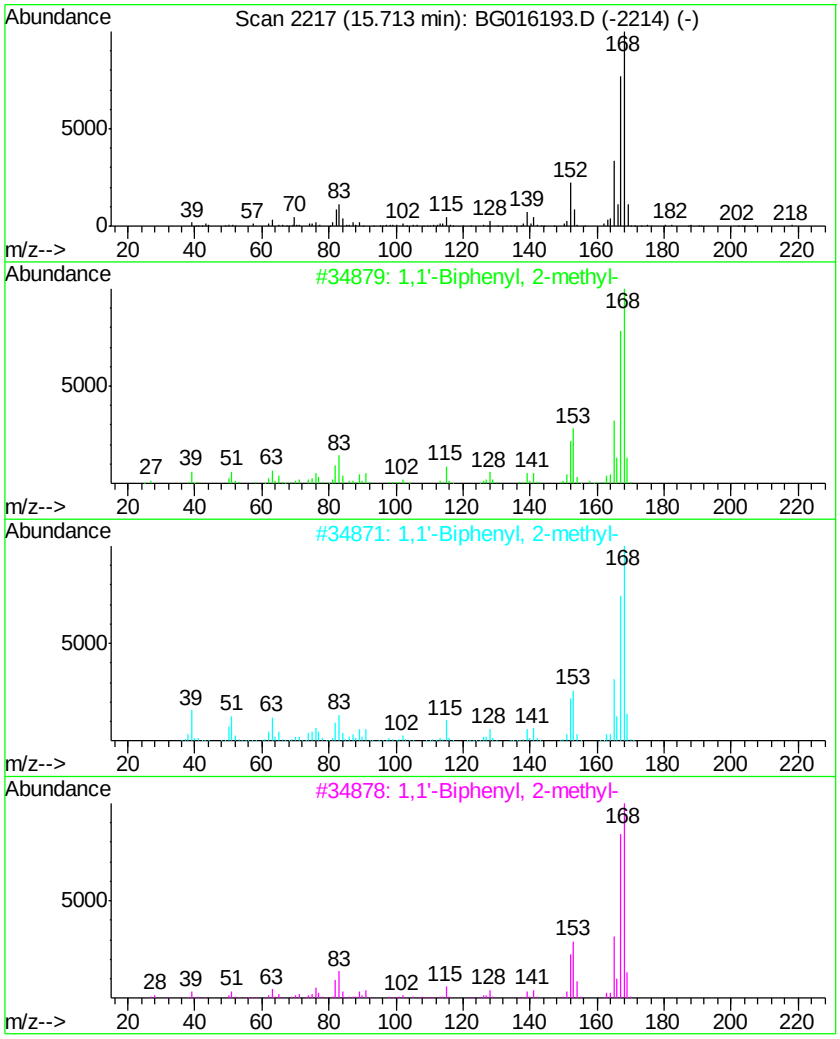
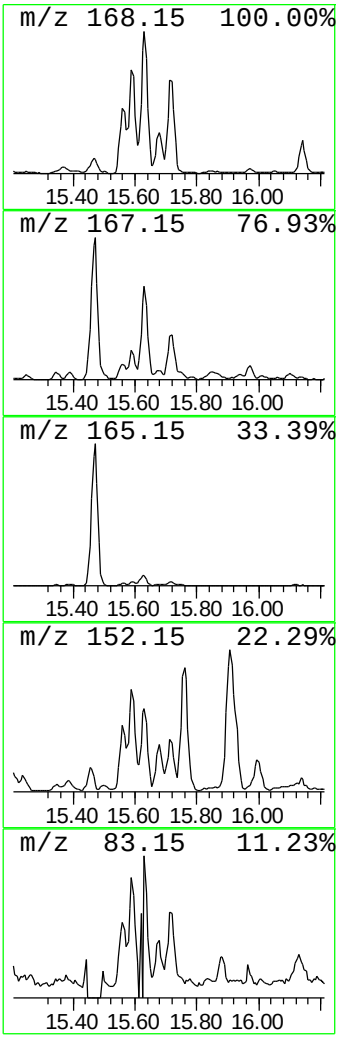
Peak Number 12 1,1'-Biphenyl, 2-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.71	5.26 ng/ul	286216	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	93
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	87
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	87
4	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	83
5	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	80





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Sample : G1647-09 2X
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Quant Title : SVOA CALIBRATION

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

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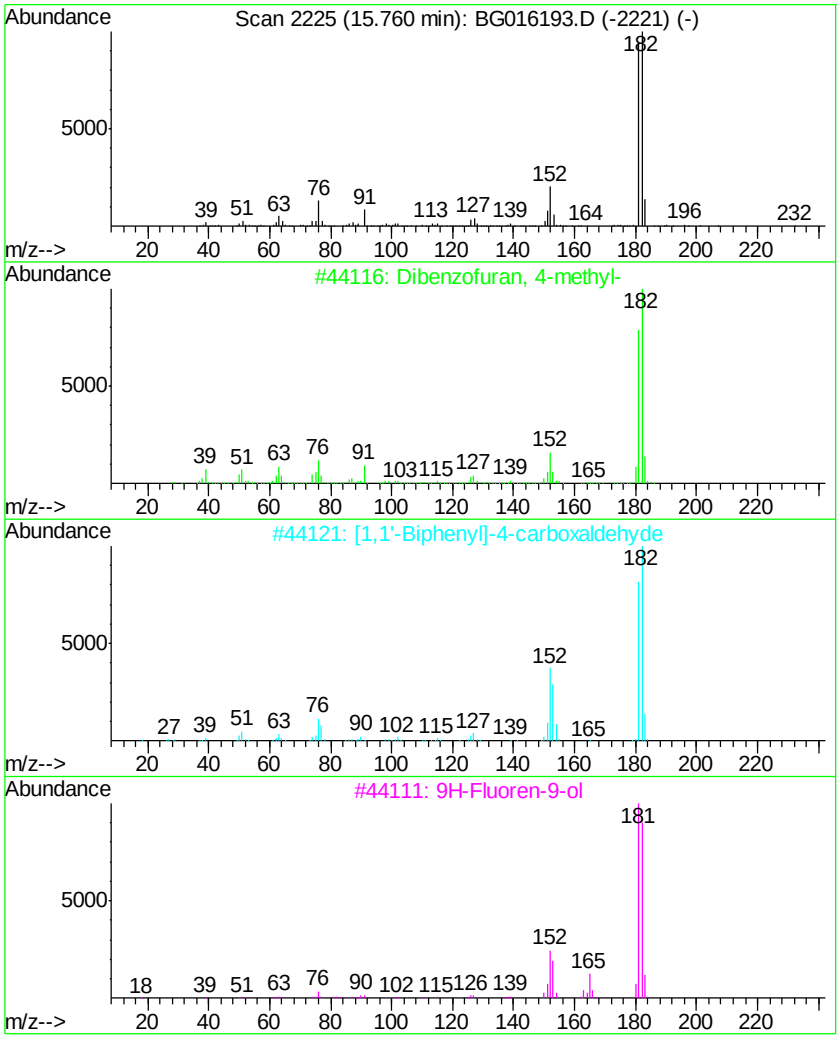
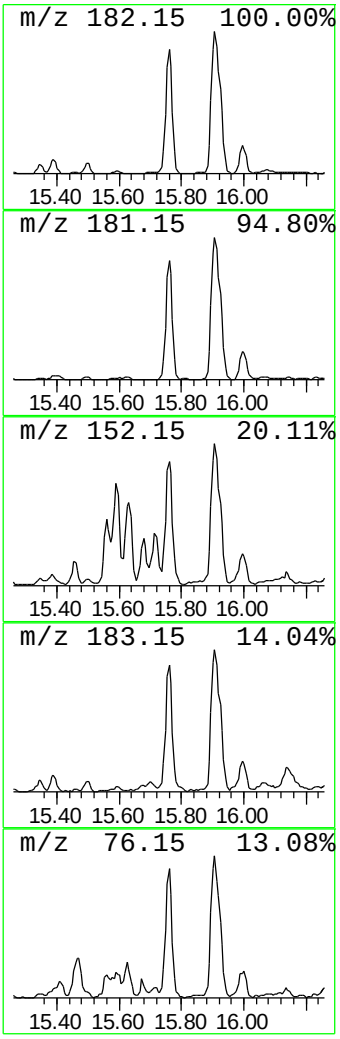
Peak Number 13 Dibenzofuran, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.76	12.53 ng/ul	681810	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	94
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	2-Hydroxyfluorene	182	C13H10O	002443-58-5	64
5	2,3-Dihydro-1-oxo-1H-phenalene	182	C13H10O	000518-85-4	62





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Misc :
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Instrument : BNA_G
ClientSampleId : C0AC8

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Quant Title : SVOA CALIBRATION

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

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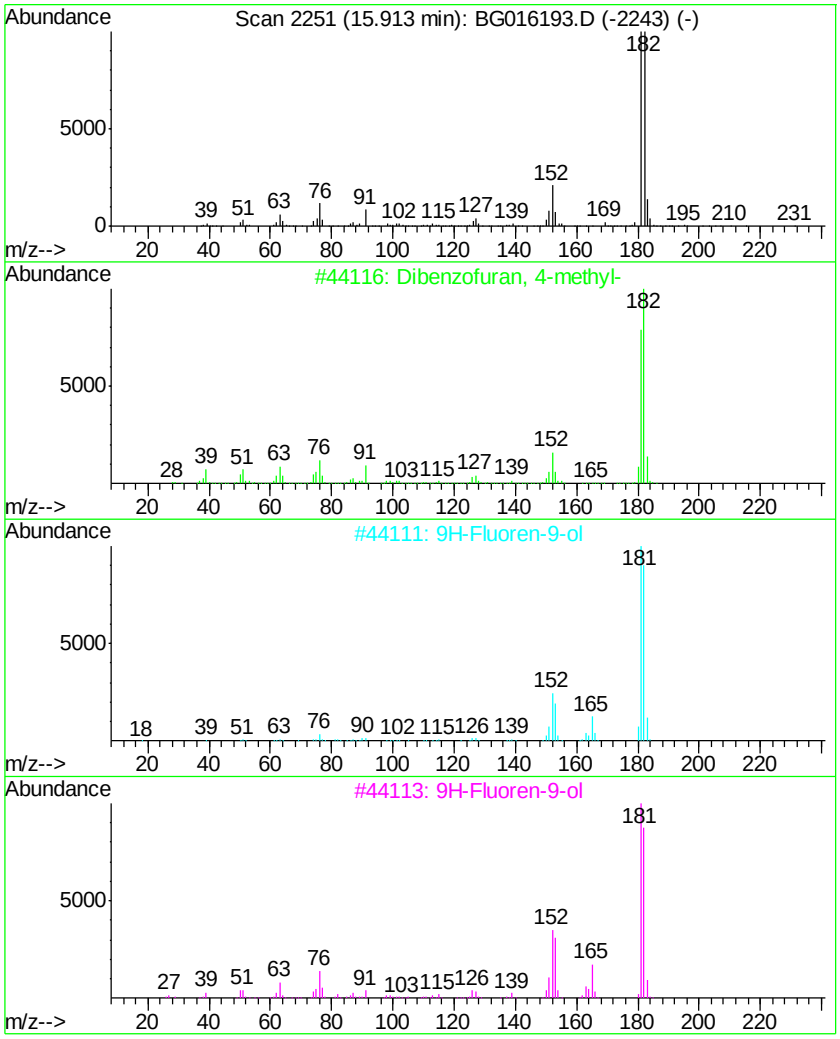
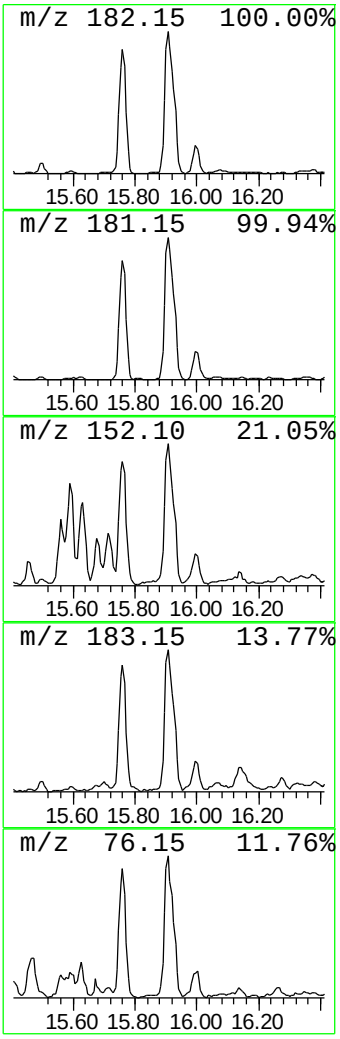
Peak Number 14 9H-Fluoren-9-ol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	21.88 ng/ul	1003240	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
4	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	64





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Quant Title : SVOA CALIBRATION

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

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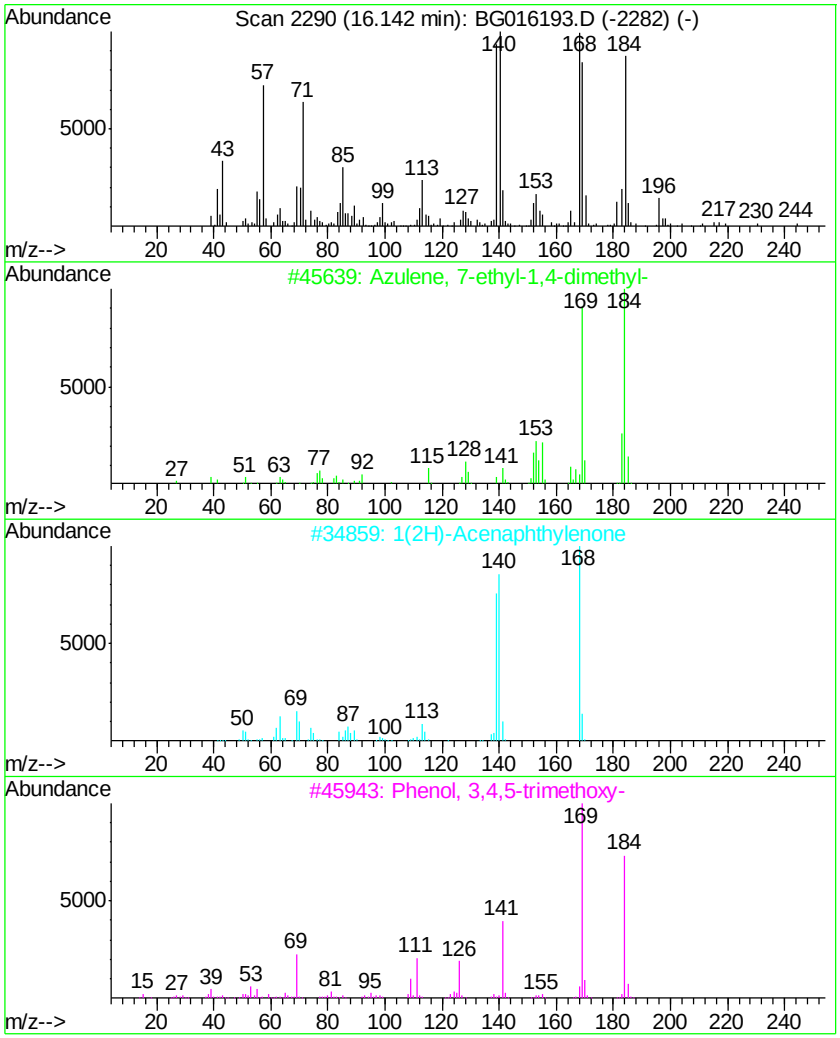
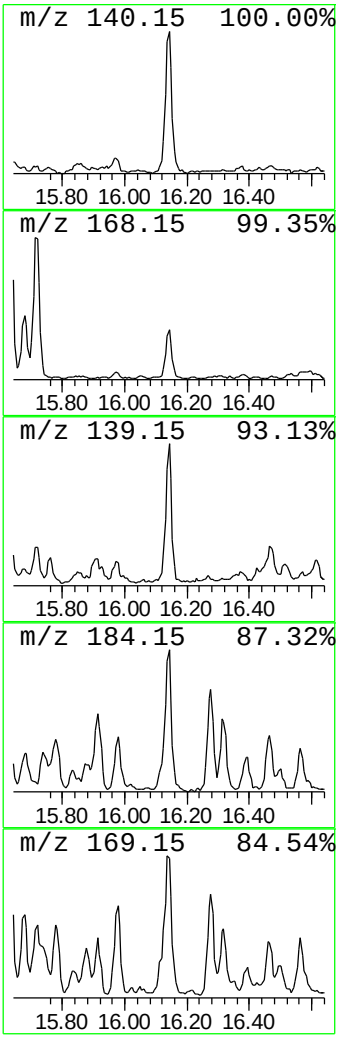
Peak Number 15 Azulene, 7-ethyl-1,4-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.14	9.62 ng/ul	441150	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azulene, 7-ethyl-1,4-dimethyl-	184	C14H16	000529-05-5	55
2	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	45
3	Phenol, 3,4,5-trimethoxy-	184	C9H12O4	000642-71-7	30
4	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	27
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	27





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Quant Title : SVOA CALIBRATION

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

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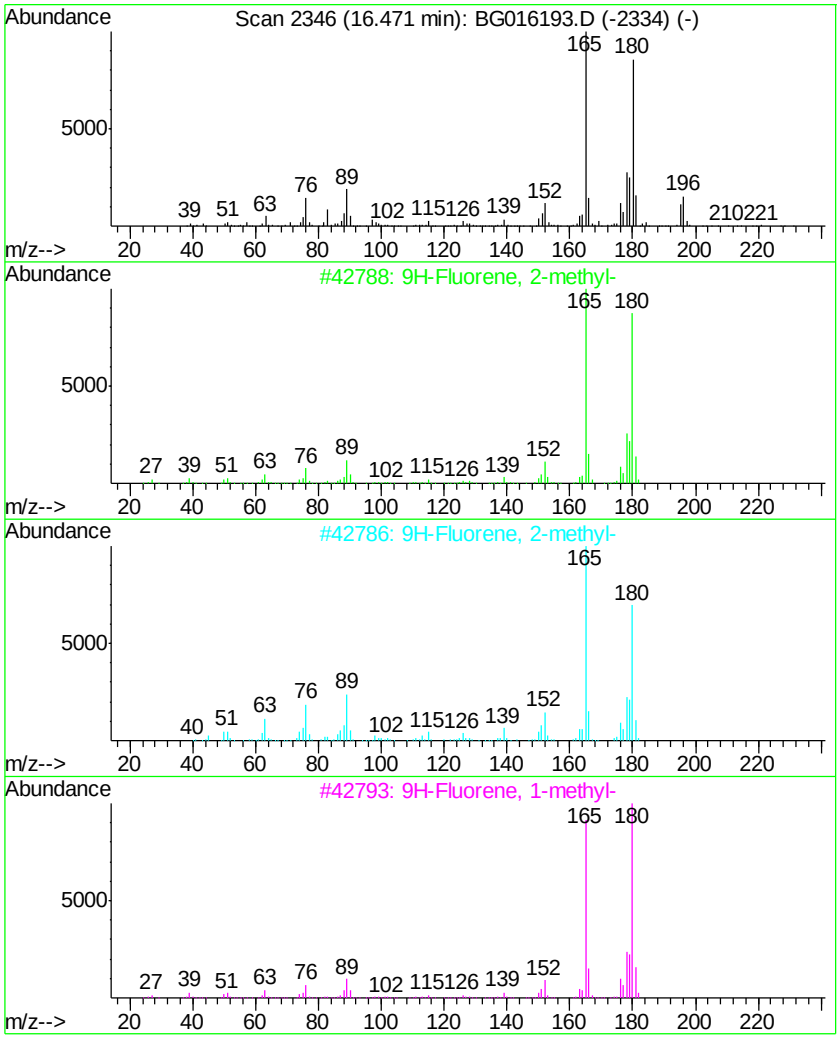
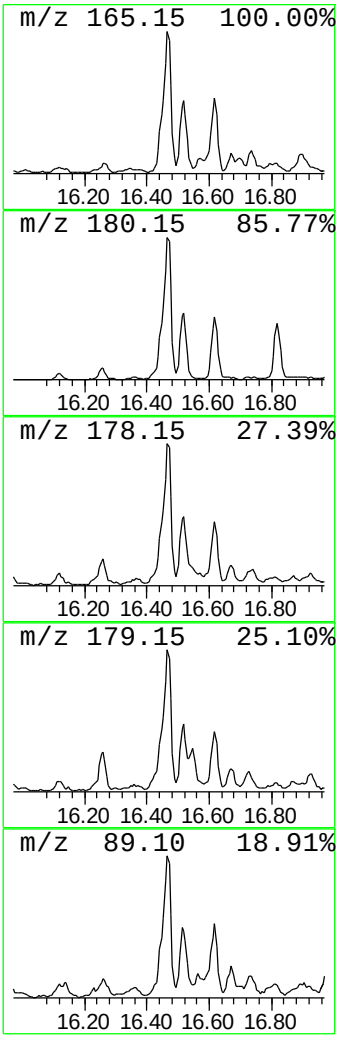
Peak Number 16 9H-Fluorene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.47	18.51 ng/ul	848407	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	94
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93





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Quant Title : SVOA CALIBRATION

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

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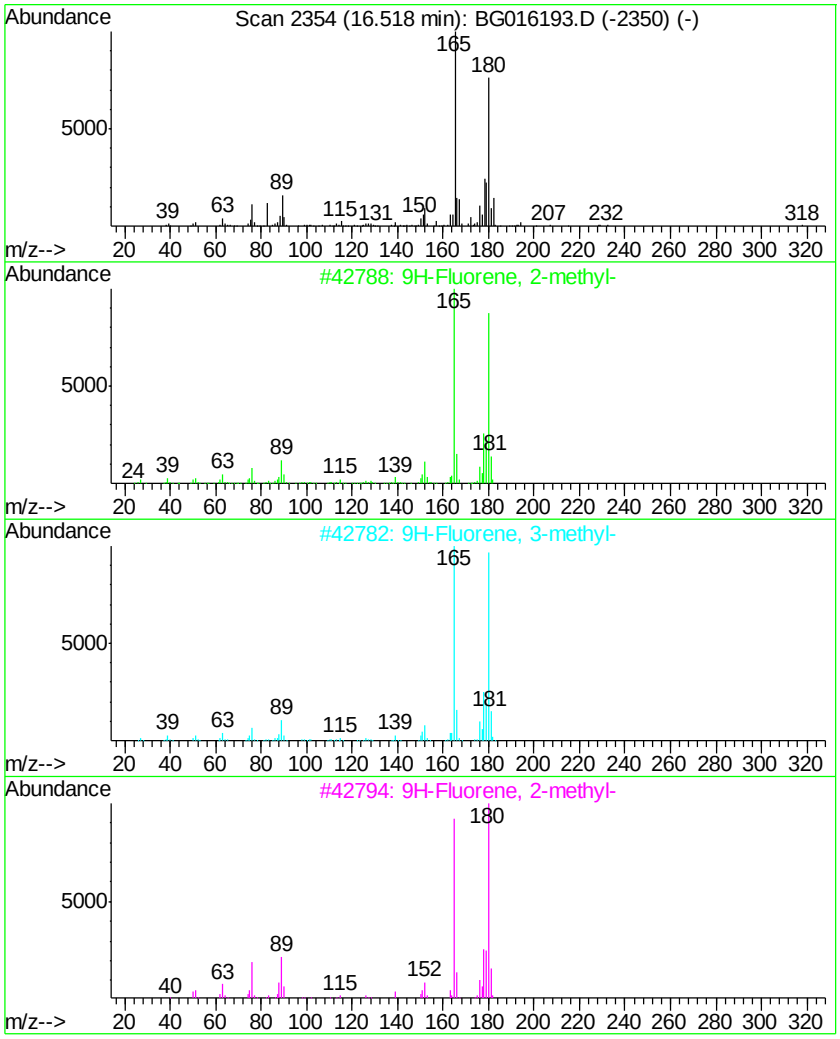
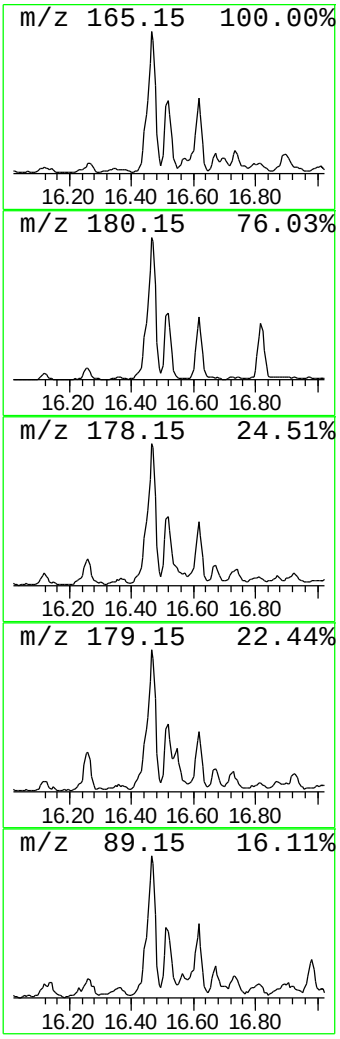
Peak Number 17 9H-Fluorene, 3-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.52	6.15 ng/ul	281729	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	91
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89





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

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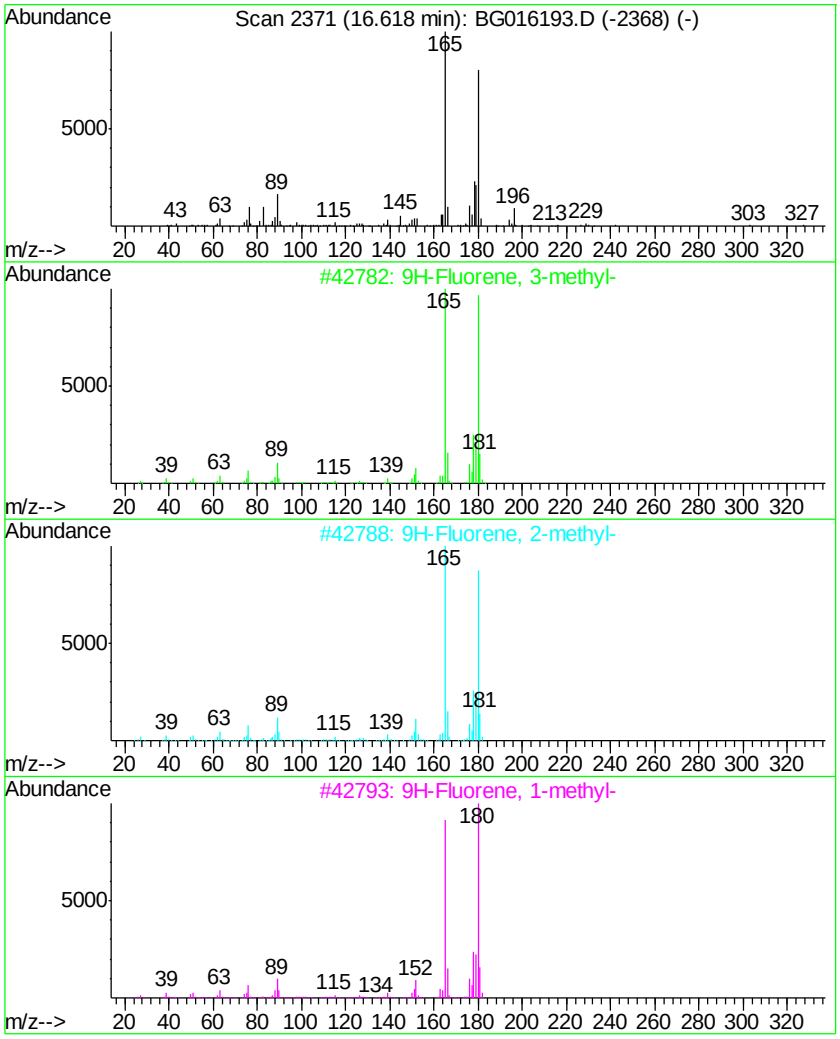
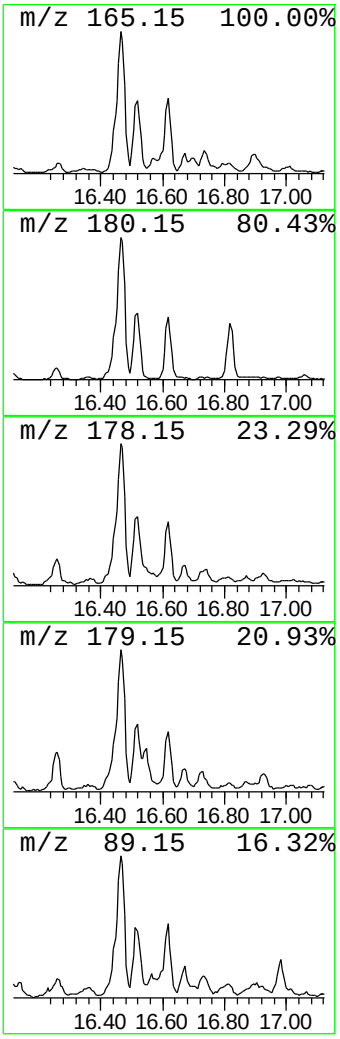
Peak Number 18 9H-Fluorene, 1-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.62	5.26 ng/ul	241268	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	81
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	81
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	74
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	74
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	72





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Sample : G1647-09 2X
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Instrument : BNA_G
ClientSampleId : C0AC8

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TIC Integration Parameters: LSCINT.P

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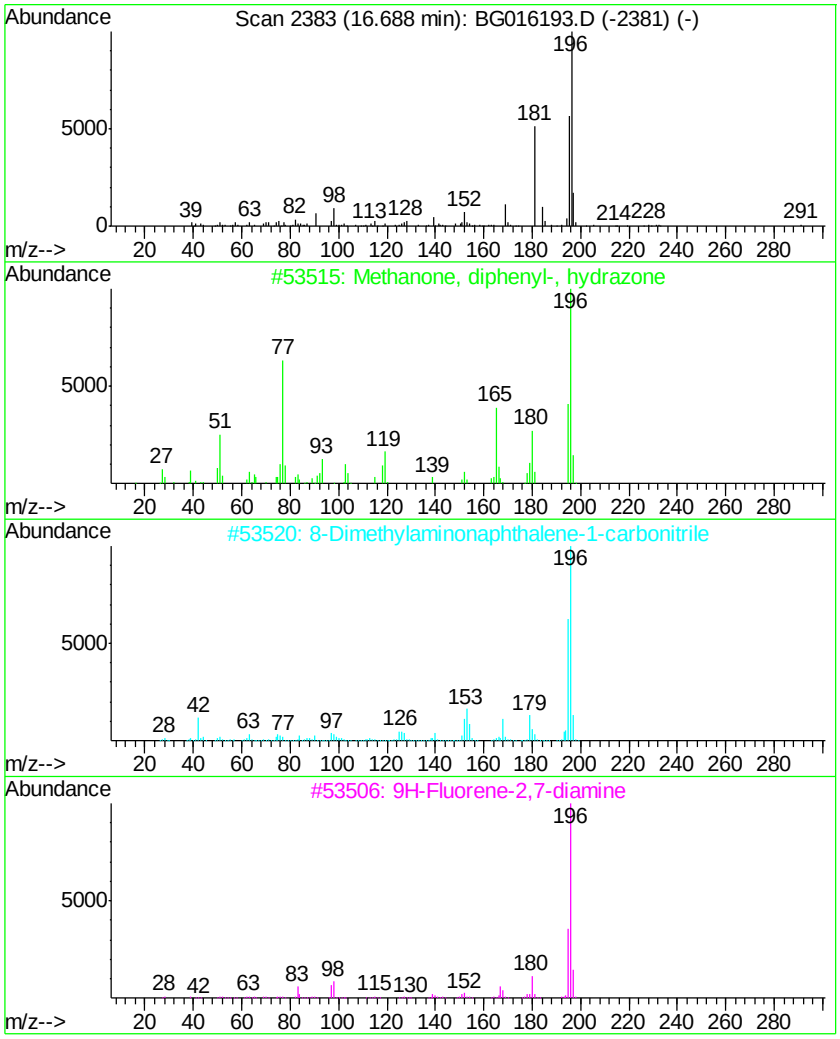
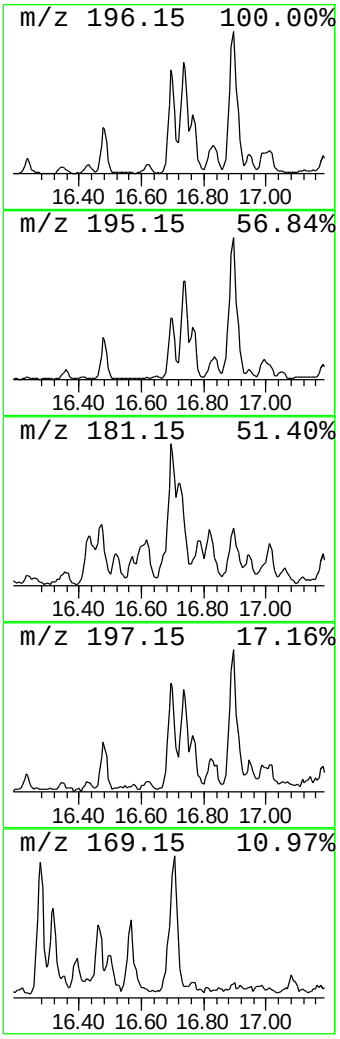
Peak Number 19 Methanone, diphenyl-, hydra... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.69	4.98 ng/ul	228268	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methanone, diphenyl-, hydrazone	196	C13H12N2	005350-57-2	50
2	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	50
3	9H-Fluorene-2,7-diamine	196	C13H12N2	000525-64-4	50
4	9H-Fluorene-2,7-diamine	196	C13H12N2	000525-64-4	49
5	9H-Fluorene, 2-methoxy-	196	C14H12O	002523-46-8	43





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Sample : G1647-09 2X
Misc :
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Instrument : BNA_G
ClientSampleId : C0AC8

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

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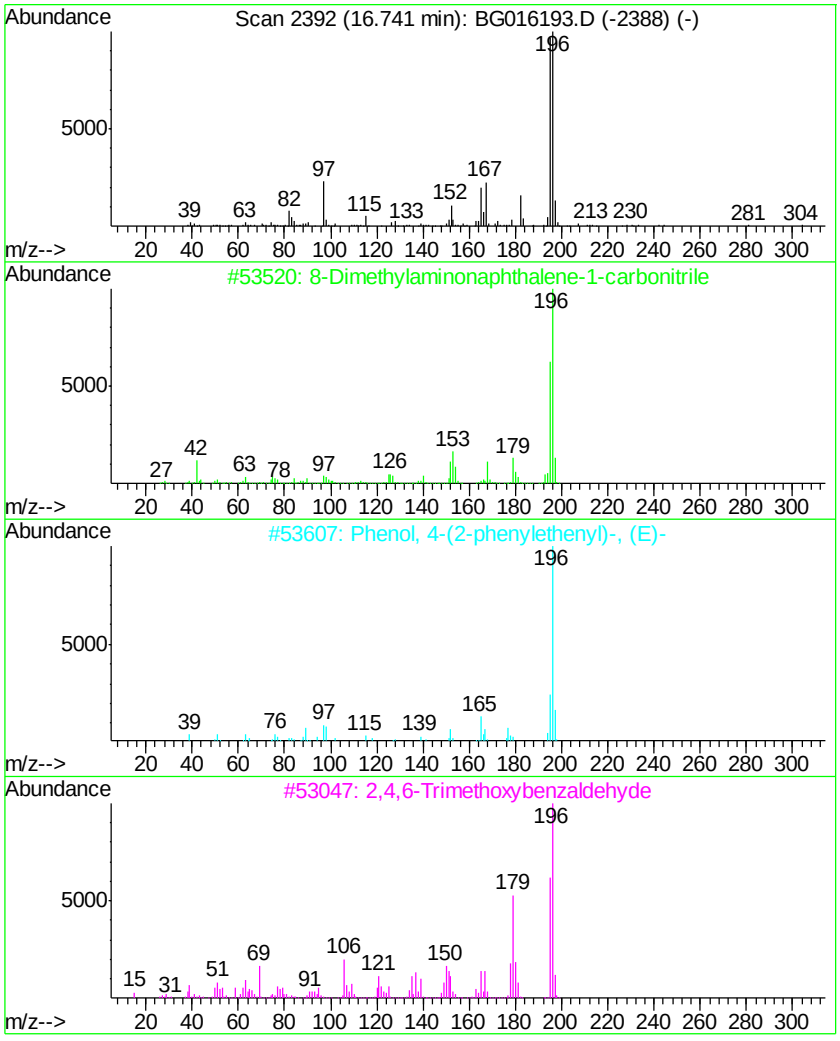
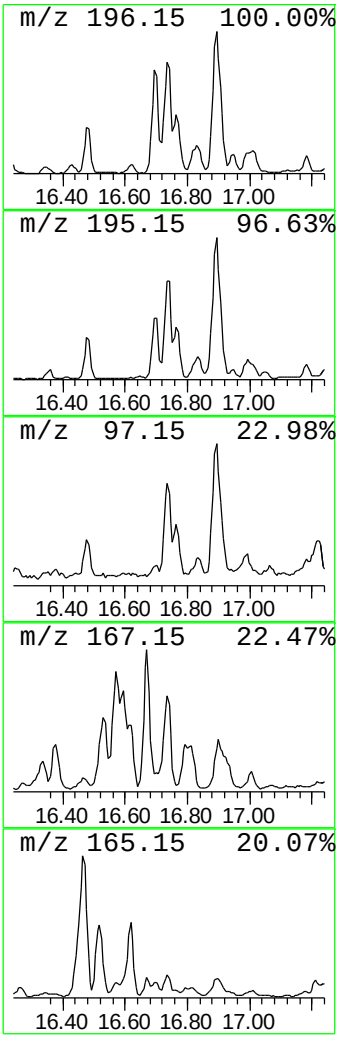
Peak Number 20 8-Dimethylaminonaphthalene-... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.74	4.93 ng/ul	225816	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	58
2	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	53
3	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	50
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	46
5	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	46





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ClientSampleId : C0AC8

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Quant Title : SVOA CALIBRATION

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

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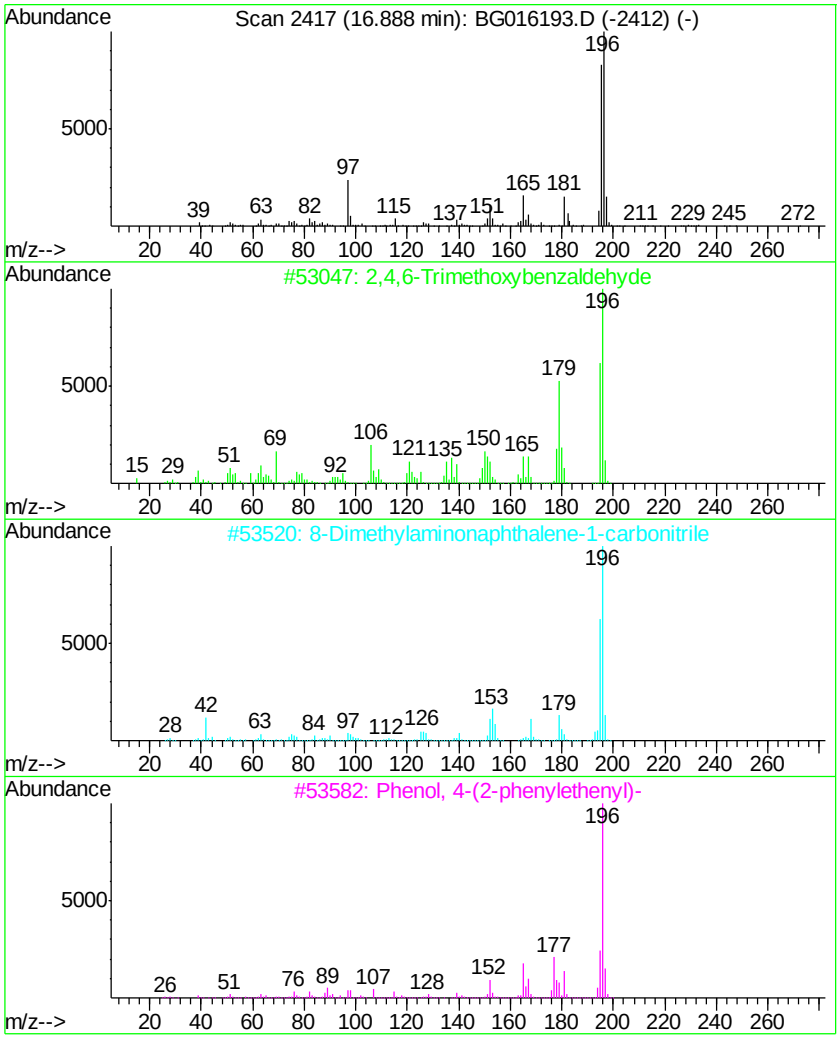
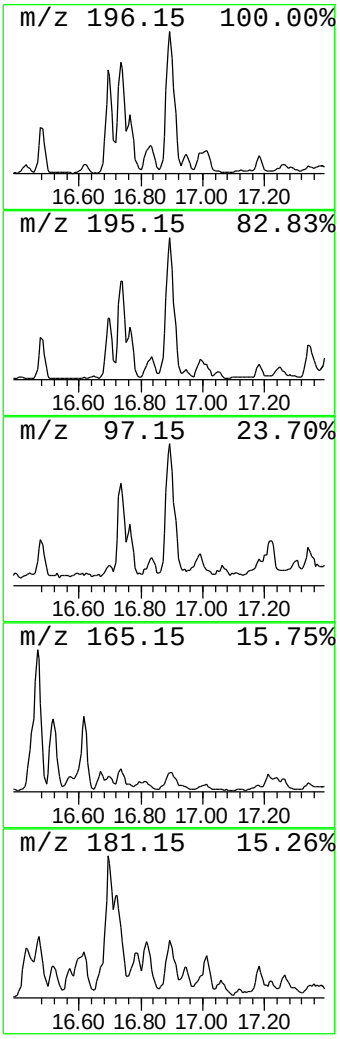
Peak Number 21 2,4,6-Trimethoxybenzaldehyde Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.89	14.92 ng/ul	684145	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	80
2	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	64
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	60
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	58
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	49





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Quant Title : SVOA CALIBRATION

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

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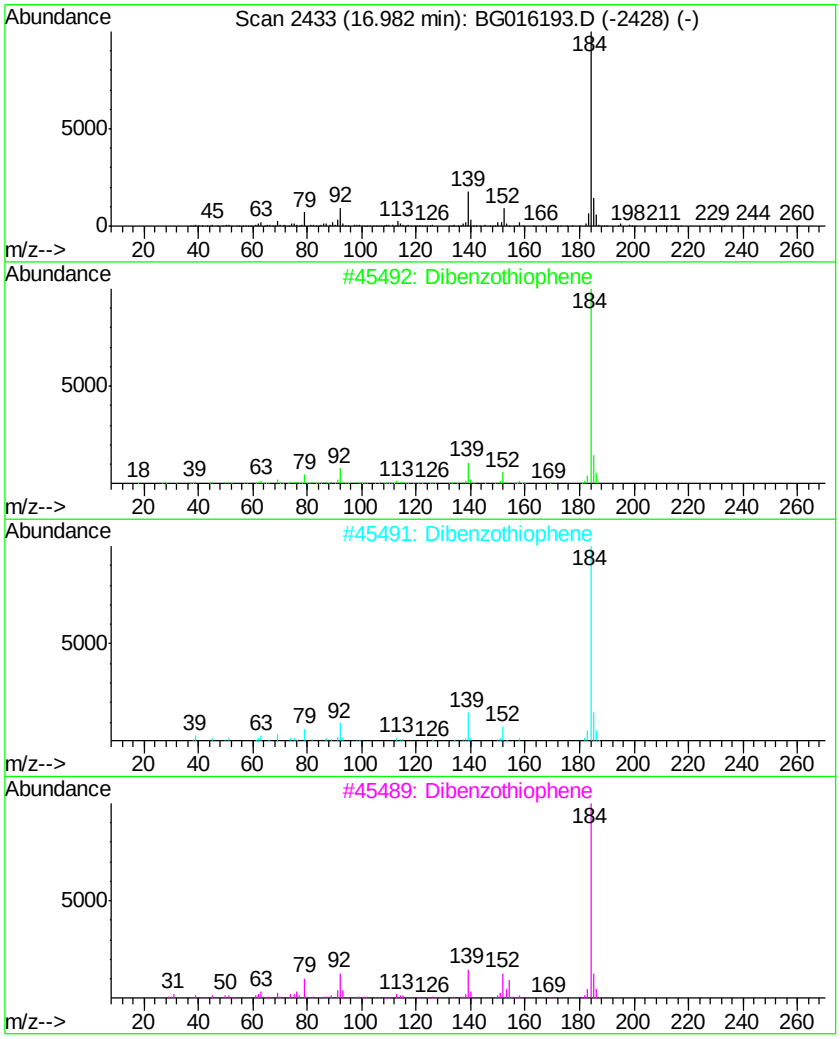
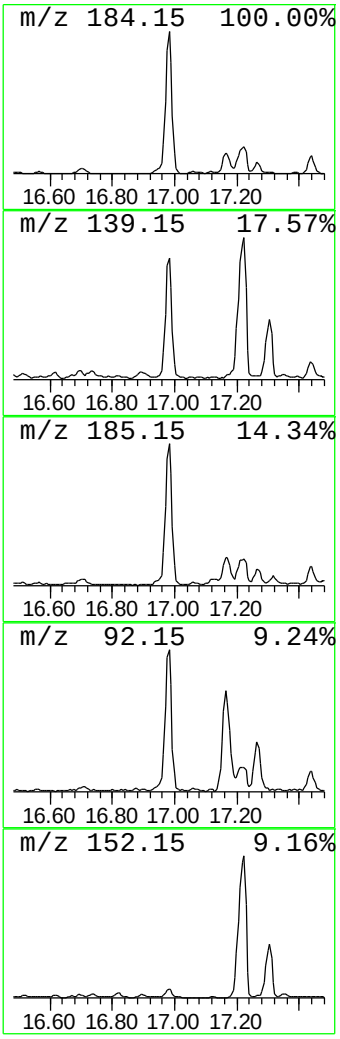
Peak Number 22 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.98	20.35 ng/ul	933056	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	96
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	94
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93





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ClientSampleId : C0AC8

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Quant Title : SVOA CALIBRATION

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

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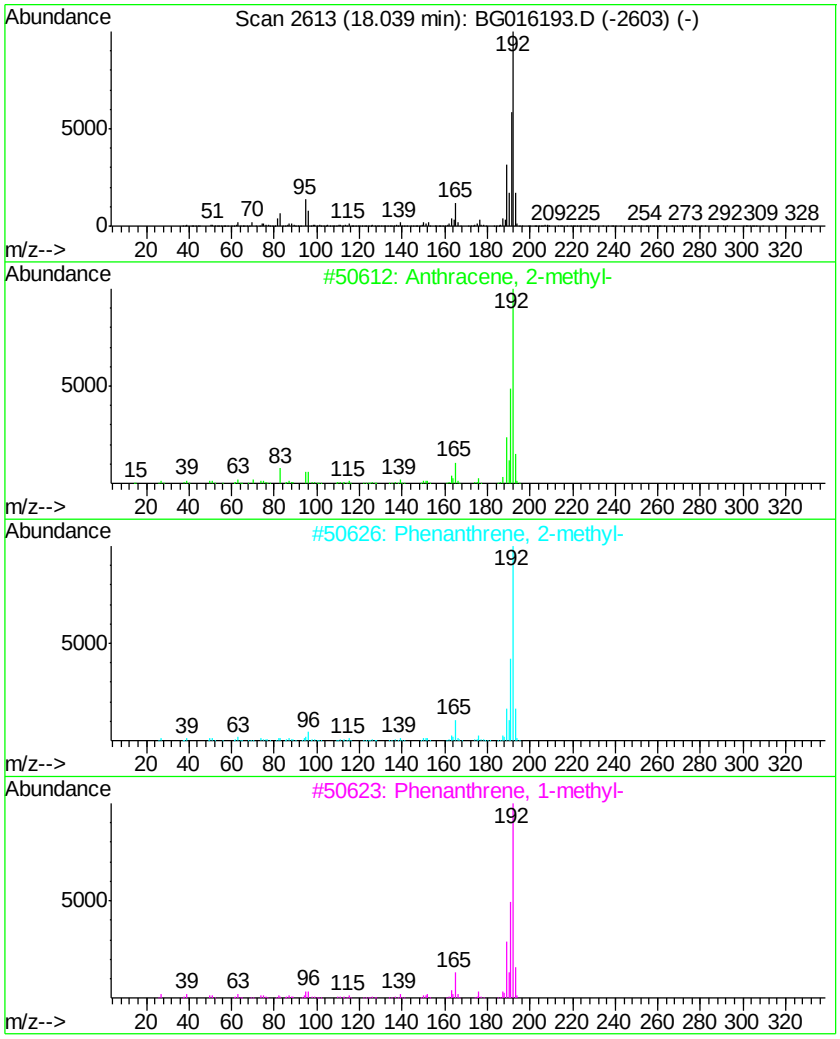
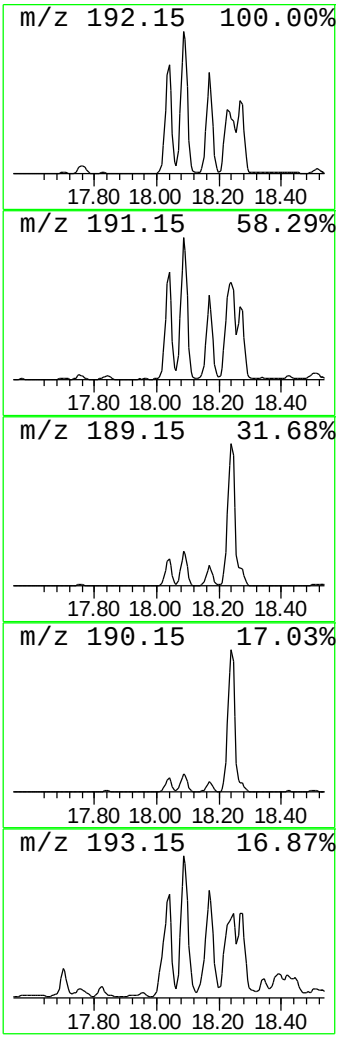
Peak Number 23 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	37.45 ng/ul	1716670	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Quant Title : SVOA CALIBRATION

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

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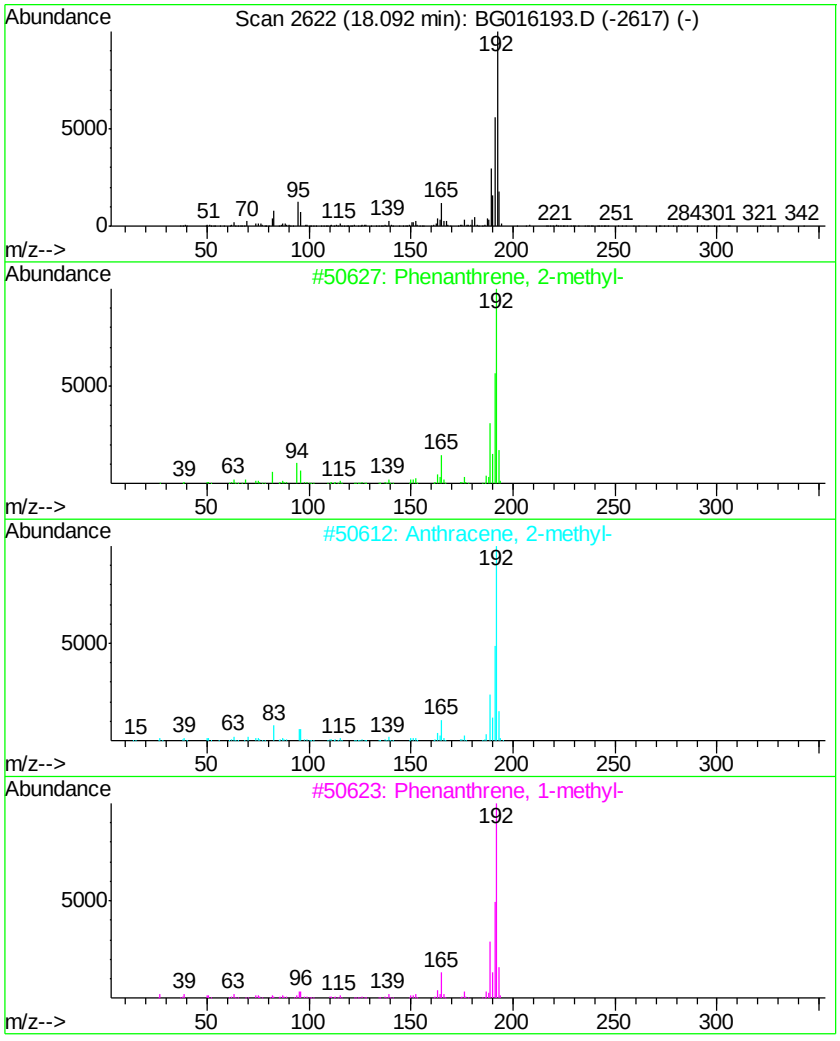
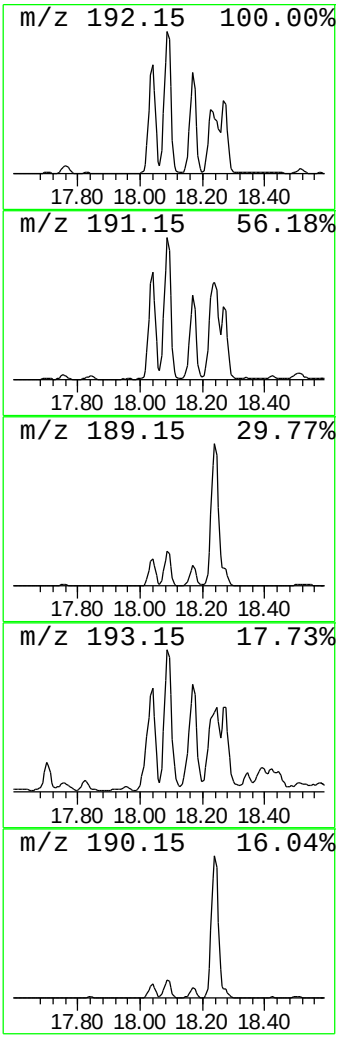
Peak Number 24 Phenanthrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	47.70 ng/ul	2186730	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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ClientSampleId : C0AC8

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Quant Title : SVOA CALIBRATION

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

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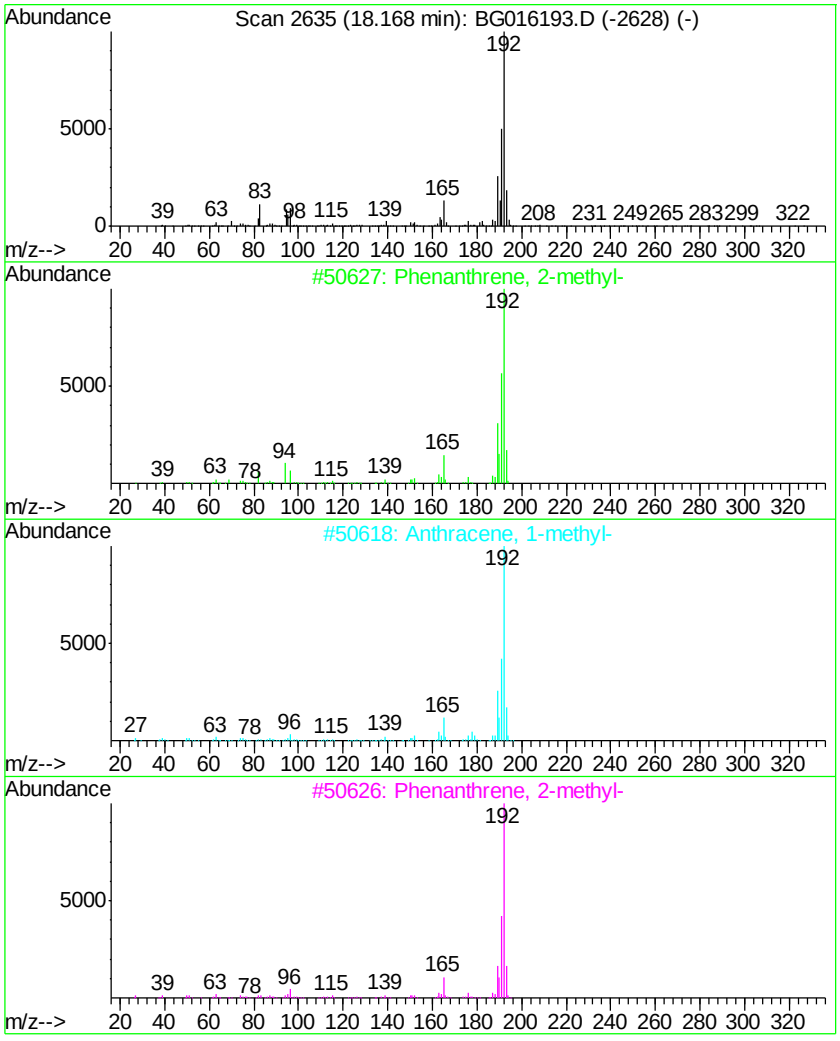
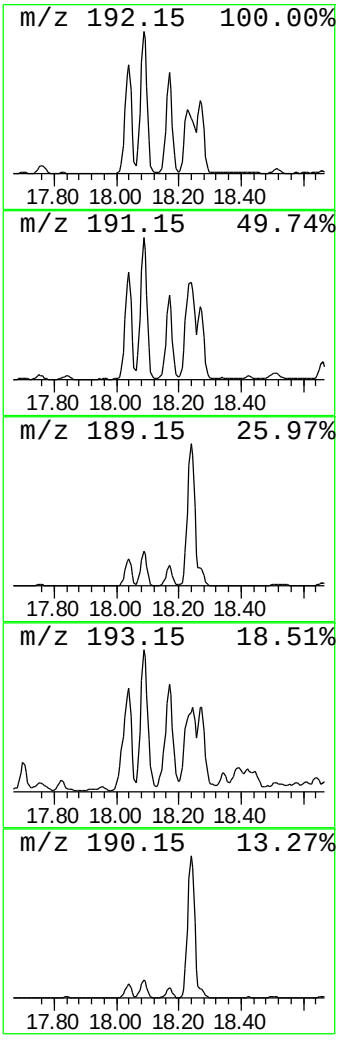
Peak Number 25 Anthracene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.17	30.61 ng/ul	1403310	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96





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Misc :
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Instrument : BNA_G
ClientSampleId : C0AC8

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Quant Title : SVOA CALIBRATION

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

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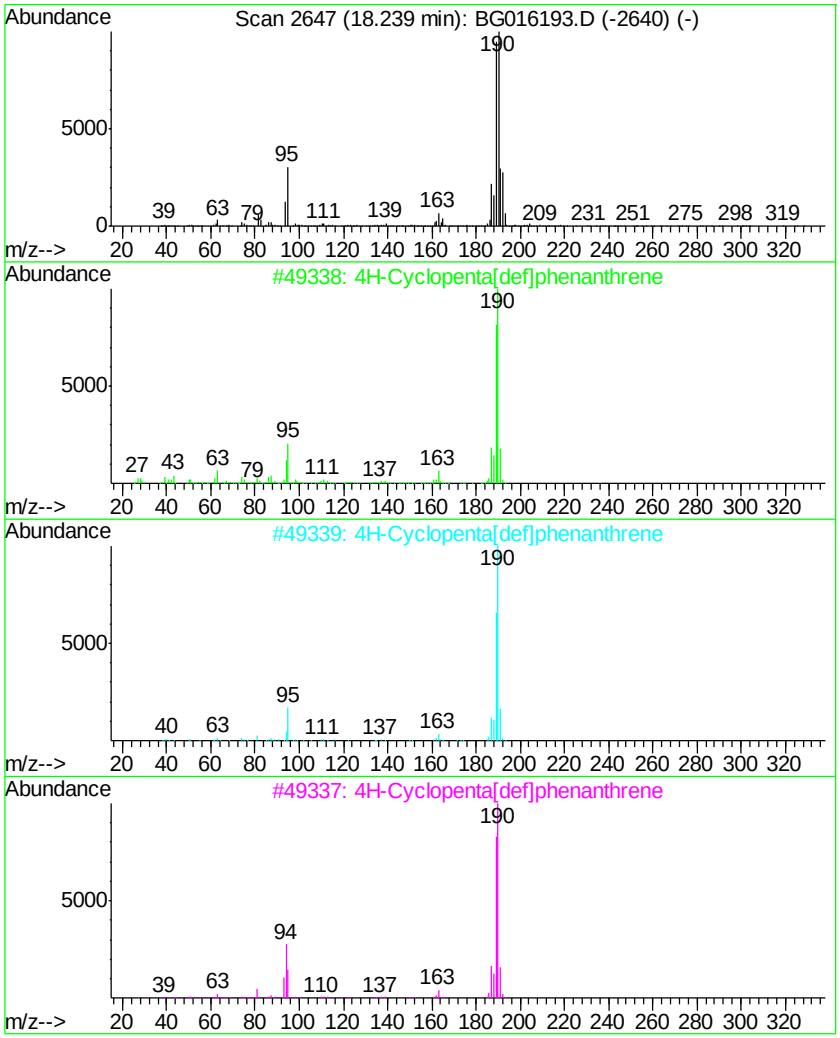
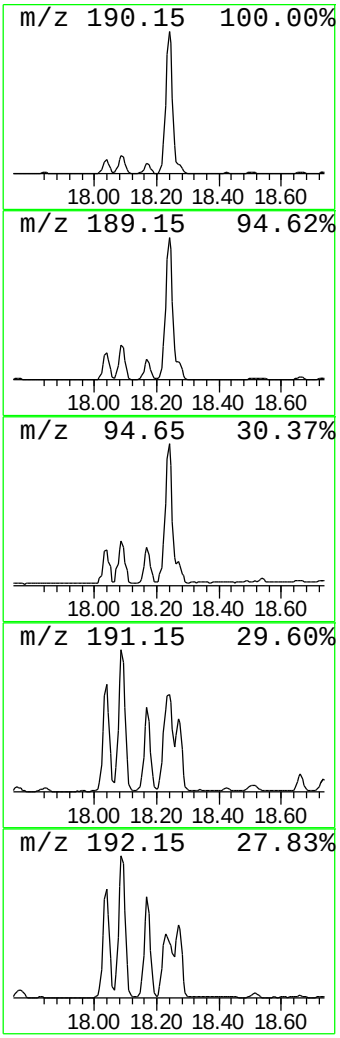
Peak Number 26 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	88.90 ng/ul	4075600	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47





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TIC Library : C:\DATABASE\NIST02.L
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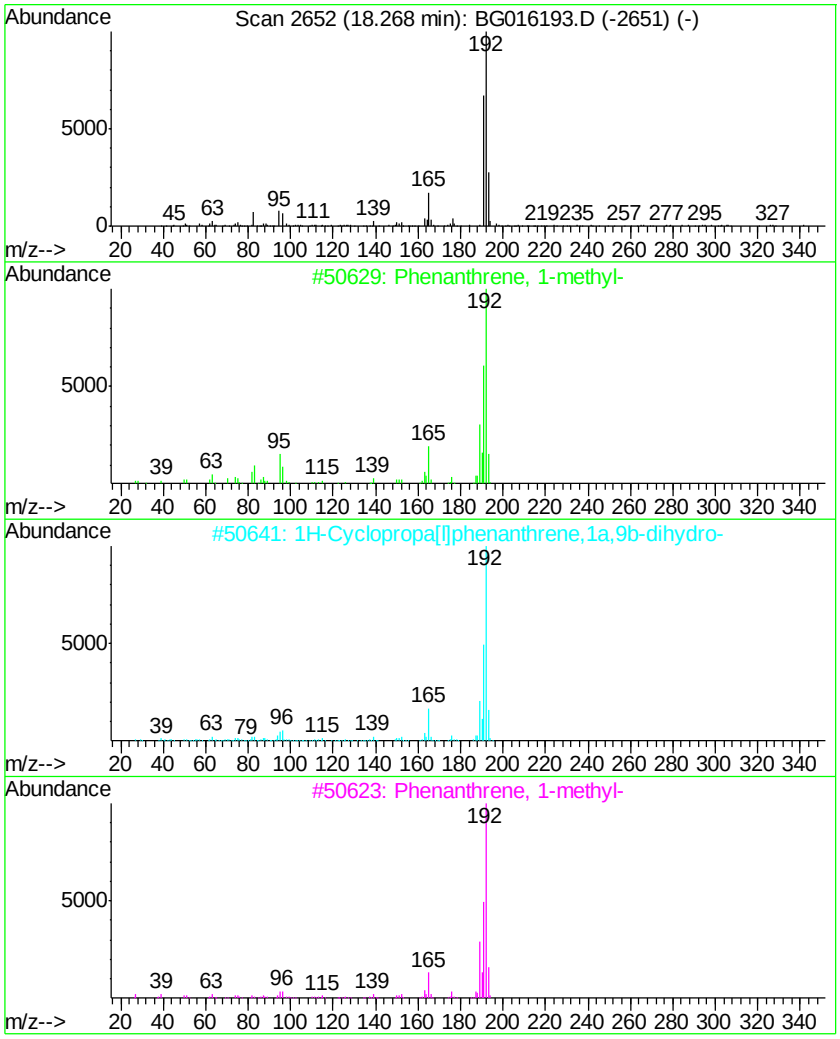
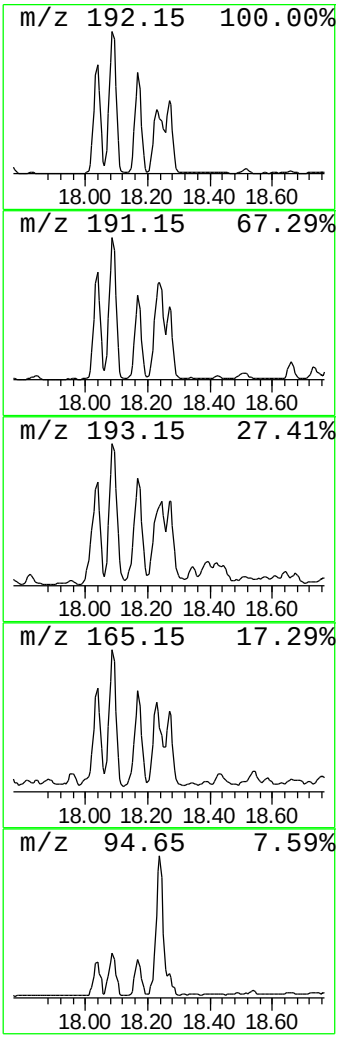
Peak Number 27 1H-Cyclopropa[l]phenanthren... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	14.63 ng/ul	670701	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87





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Quant Title : SVOA CALIBRATION

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

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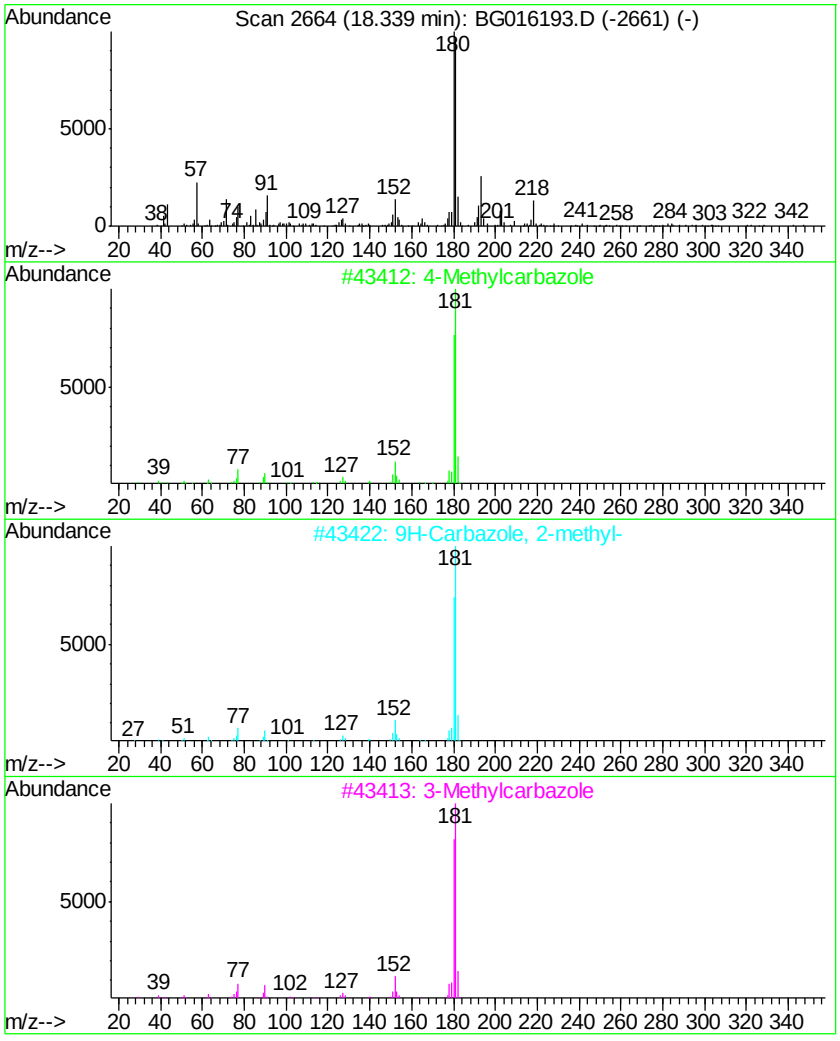
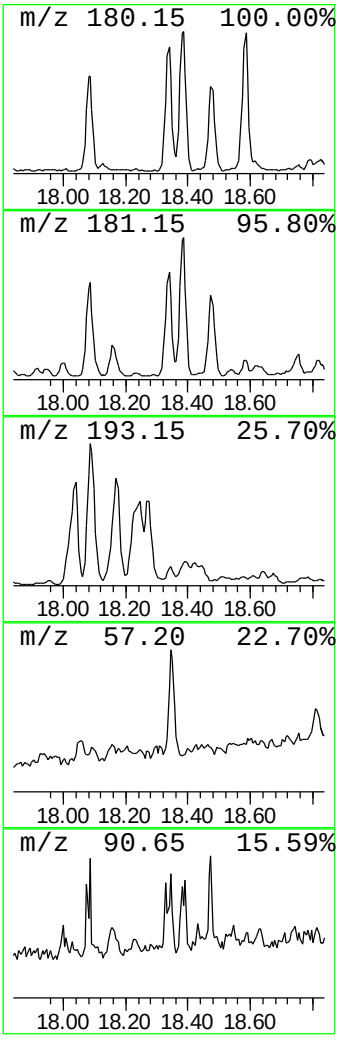
Peak Number 28 4-Methylcarbazole Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	4.92 ng/ul	225525	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylcarbazole	181	C13H11N	003770-48-7	95
2	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	90
3	3-Methylcarbazole	181	C13H11N	004630-20-0	89
4	1-Methylcarbazole	181	C13H11N	006510-65-2	80
5	Methylcarbazole	181	C13H11N	027323-29-1	64





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Quant Title : SVOA CALIBRATION

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

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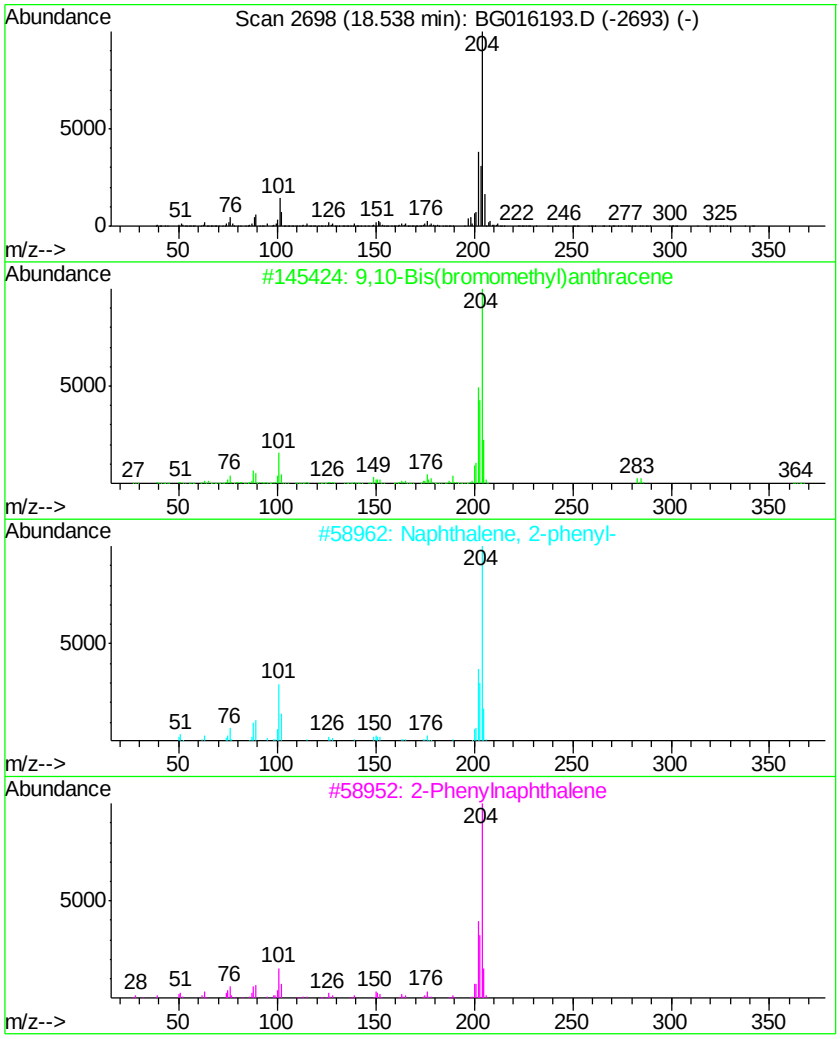
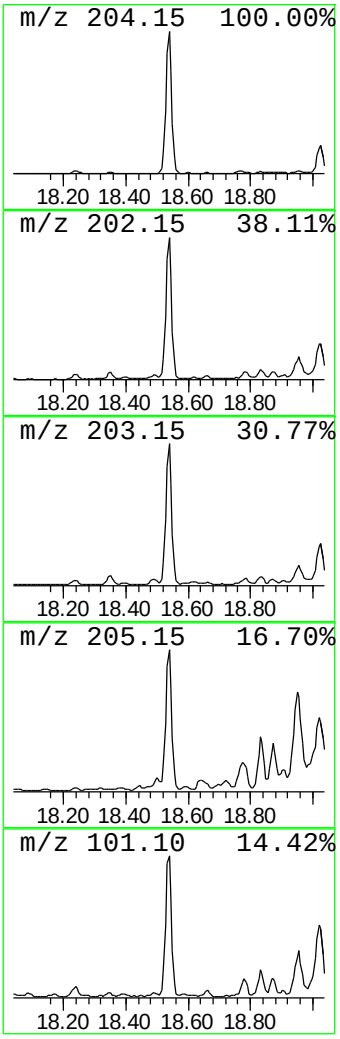
Peak Number 29 9,10-Bis(bromomethyl)anthra... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	24.97 ng/ul	1144880	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	90
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	86
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





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ClientSampleId : C0AC8

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Quant Title : SVOA CALIBRATION

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

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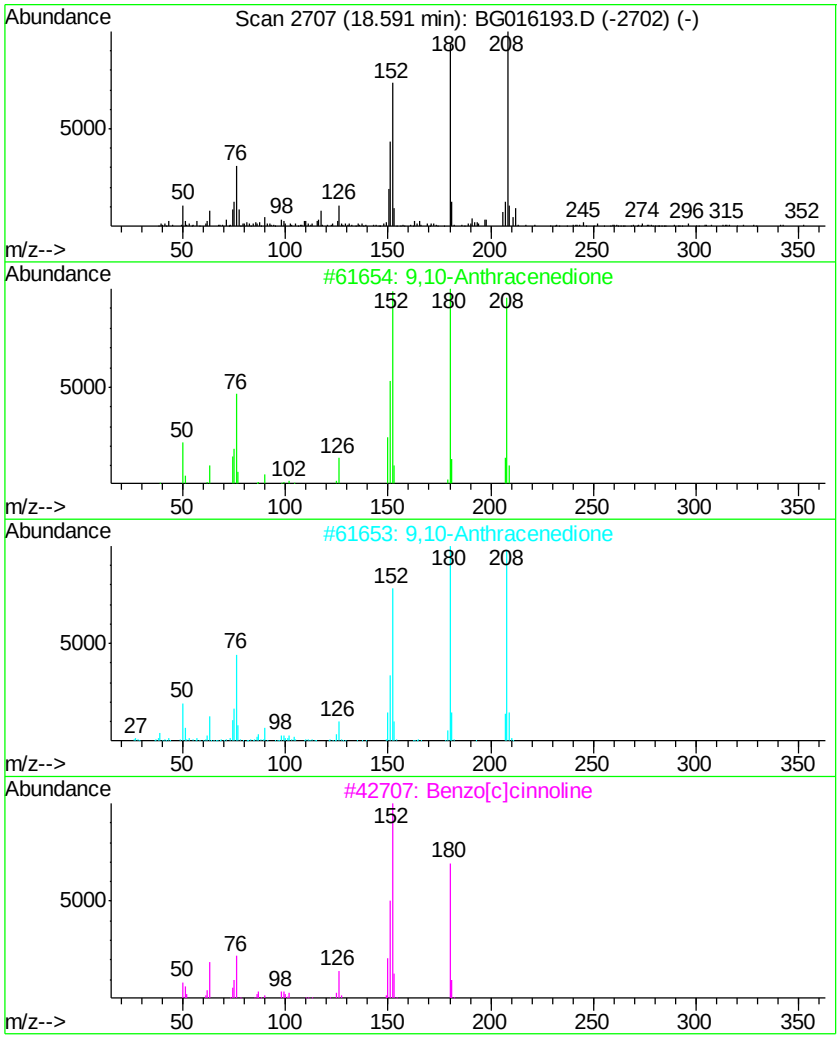
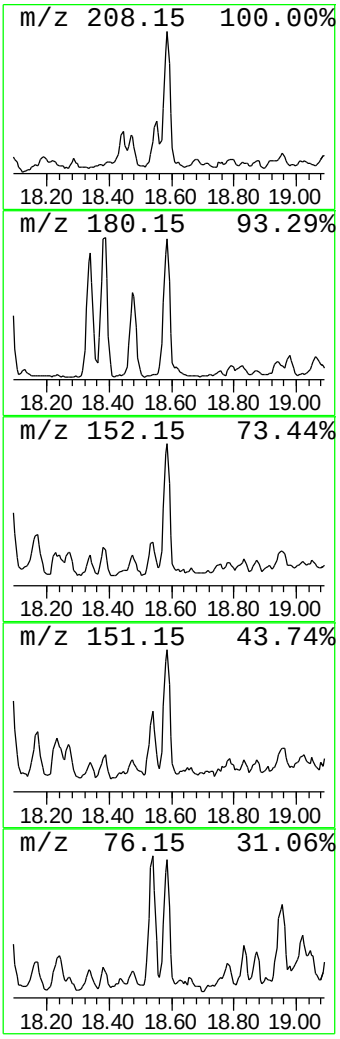
Peak Number 30 9,10-Anthracenedione Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	5.21 ng/ul	238883	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	62
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	62





Tentatively Identified Compound (LSC) summary

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Acq On : 28 Mar 2015 1:50
Operator : TP/IZ
Sample : G1647-09 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
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...	3.01	13.9	ng/ul	305770	1	7.79	440018	20.0
Naphthalene, 1,6-...	13.58	5.7	ng/ul	311995	3	14.42	1088570	20.0
Naphthalene, 2,3-...	13.74	10.2	ng/ul	554335	3	14.42	1088570	20.0
Naphthalene, 1,3-...	13.97	4.6	ng/ul	250830	3	14.42	1088570	20.0
Naphthalene, 1,6,...	15.04	4.8	ng/ul	259472	3	14.42	1088570	20.0
Naphthalene, 2,3,...	15.09	4.8	ng/ul	258542	3	14.42	1088570	20.0
Naphthalene, 1,4,...	15.21	4.2	ng/ul	229074	3	14.42	1088570	20.0
Nordiphenamid	15.63	10.5	ng/ul	572528	3	14.42	1088570	20.0
Naphthalene, 1-(2...	15.68	4.2	ng/ul	228960	3	14.42	1088570	20.0
1,1'-Biphenyl, 2-...	15.71	5.3	ng/ul	286216	3	14.42	1088570	20.0
Dibenzofuran, 4-m...	15.76	12.5	ng/ul	681810	3	14.42	1088570	20.0
9H-Fluoren-9-ol	15.91	21.9	ng/ul	1003240	4	17.16	916903	20.0
Azulene, 7-ethyl-...	16.14	9.6	ng/ul	441150	4	17.16	916903	20.0
9H-Fluorene, 2-me...	16.47	18.5	ng/ul	848407	4	17.16	916903	20.0
9H-Fluorene, 3-me...	16.52	6.2	ng/ul	281729	4	17.16	916903	20.0
9H-Fluorene, 1-me...	16.62	5.3	ng/ul	241268	4	17.16	916903	20.0
Methanone, diphen...	16.69	5.0	ng/ul	228268	4	17.16	916903	20.0
8-Dimethylaminona...	16.74	4.9	ng/ul	225816	4	17.16	916903	20.0
2,4,6-Trimethoxyb...	16.89	14.9	ng/ul	684145	4	17.16	916903	20.0
Dibenzothiophene	16.98	20.4	ng/ul	933056	4	17.16	916903	20.0
Anthracene, 2-met...	18.04	37.5	ng/ul	1716670	4	17.16	916903	20.0
Phenanthrene, 2-m...	18.09	47.7	ng/ul	2186730	4	17.16	916903	20.0
Anthracene, 1-met...	18.17	30.6	ng/ul	1403310	4	17.16	916903	20.0
4H-Cyclopenta[def...	18.24	88.9	ng/ul	4075600	4	17.16	916903	20.0
1H-Cyclopropa[l]p...	18.27	14.6	ng/ul	670701	4	17.16	916903	20.0
4-Methylcarbazole	18.34	4.9	ng/ul	225525	4	17.16	916903	20.0
9,10-Bis(bromomet...	18.54	25.0	ng/ul	1144880	4	17.16	916903	20.0
9,10-Anthracenedione	18.59	5.2	ng/ul	238883	4	17.16	916903	20.0