LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020550.D
Acq On : 27 Dec 2015 11:21
Operator : UM/SJ
Sample : G4846-14
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N60

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-BG122415.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	3.097	39	44	53	rBV	37015	73143	0.82%	0.160%
2	3.174	53	57	66	rVB	29864	45972	0.52%	0.100%
3	7.233	741	748	753	rBV	18397	31795	0.36%	0.069%
4	7.398	770	776	784	rBV	66572	106576	1.20%	0.233%
5	7.604	806	811	824	rVB	67406	117567	1.32%	0.257%
6	7.798	838	844	850	rBV	22948	37226	0.42%	0.081%
7	8.080	885	892	898	rBV	63014	107033	1.20%	0.234%
8	8.450	948	955	963	rBB	45729	74494	0.84%	0.163%
9	8.620	976	984	996	rBV	285993	502682	5.65%	1.097%
10	8.785	1005	1012	1021	rBV2	56587	99113	1.11%	0.216%
11	9.249	1084	1091	1099	rBV	87499	159325	1.79%	0.348%
12	9.560	1133	1144	1151	rBV	37359	80203	0.90%	0.175%
13	9.971	1207	1214	1221	rBV	76190	131893	1.48%	0.288%
14	10.295	1261	1269	1271	rBV2	18604	40421	0.45%	0.088%
15	10.389	1279	1285	1290	rBV3	17636	36975	0.42%	0.081%
16	10.518	1300	1307	1316	rBV	117058	212437	2.39%	0.464%
17	10.976	1374	1385	1393	rVB	3668598	8891862	100.00%	19.409%
18	11.076	1394	1402	1408	rVB	229413	408089	4.59%	0.891%
19	12.439	1627	1634	1644	rVB	32870	57848	0.65%	0.126%
20	12.551	1644	1653	1660	rBV	1269605	2127905	23.93%	4.645%
21	12.662	1665	1672	1678	rVV	44156	78197	0.88%	0.171%
22	12.768	1678	1690	1699	rVB	852600	1453813	16.35%	3.173%
23	13.185	1753	1761	1769	rBV2	20559	34994	0.39%	0.076%
24	13.544	1815	1822	1831	rBV	495726	773730	8.70%	1.689%
25	13.743	1848	1856	1866	rVB	95413	205846	2.31%	0.449%
26	13.885	1866	1880	1888	rBV2	84670	236189	2.66%	0.516%
27	14.031	1898	1905	1910	rBV	173402	316746	3.56%	0.691%
28	14.084	1910	1914	1915	rVV	102892	126558	1.42%	0.276%
29	14.114	1915	1919	1925	rVV	255518	396587	4.46%	0.866%
30	14.266	1939	1945	1949	rBV	71605	115573	1.30%	0.252%
31	14.302	1949	1951	1956	rVB	29389	34358	0.39%	0.075%
32	14.407	1962	1969	1972	rBV	262432	457305	5.14%	0.998%
33	14.684	2010	2016	2018	rBV	106940	152499	1.72%	0.333%
34	14.713	2018	2021	2026	rVV2	148652	250113	2.81%	0.546%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020550.D
Acq On : 27 Dec 2015 11:21
Operator : UM/SJ
Sample : G4846-14
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N60

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-BG122415.M
Title : SVOA CALIBRATION

35	14.789	2026	2034	2039	rVV	2658177	4485237	50.44%	9.790%
36	14.854	2039	2045	2051	rVV	514759	817031	9.19%	1.783%
37	14.919	2051	2056	2064	rVV4	29953	65197	0.73%	0.142%
38	15.018	2064	2073	2078	rVV	66439	125570	1.41%	0.274%
39	15.118	2082	2090	2098	rVV2	1321188	2430038	27.33%	5.304%
40	15.195	2098	2103	2109	rVB2	56704	100486	1.13%	0.219%
41	15.318	2117	2124	2130	rBV4	21681	41915	0.47%	0.091%
42	15.383	2130	2135	2146	rVB3	16734	35327	0.40%	0.077%
43	15.671	2179	2184	2185	rVV2	19794	29919	0.34%	0.065%
44	15.706	2185	2190	2194	rVV	367215	562263	6.32%	1.227%
45	15.765	2194	2200	2207	rVV	1488716	2425823	27.28%	5.295%
46	15.835	2207	2212	2217	rVV3	105585	218092	2.45%	0.476%
47	15.882	2217	2220	2223	rVV	98072	150972	1.70%	0.330%
48	15.923	2223	2227	2231	rVV2	129485	217136	2.44%	0.474%
49	15.970	2231	2235	2238	rVV2	43489	75902	0.85%	0.166%
50	16.006	2238	2241	2245	rVV2	57761	92157	1.04%	0.201%
51	16.053	2245	2249	2256	rVB	116265	173430	1.95%	0.379%
52	16.194	2257	2273	2283	rBV4	155700	363505	4.09%	0.793%
53	16.434	2308	2314	2320	rVB2	85345	139411	1.57%	0.304%
54	16.546	2327	2333	2340	rBV	81035	122730	1.38%	0.268%
55	16.611	2340	2344	2347	rBV	21907	38266	0.43%	0.084%
56	16.722	2357	2363	2364	rBV3	37983	57166	0.64%	0.125%
57	16.758	2366	2369	2374	rVV	60278	88342	0.99%	0.193%
58	16.811	2374	2378	2384	rVB2	25395	39055	0.44%	0.085%
59	16.910	2388	2395	2399	rVB2	33123	56412	0.63%	0.123%
60	17.116	2418	2430	2437	rVB	247164	386223	4.34%	0.843%
61	17.275	2450	2457	2468	rVB	248817	383006	4.31%	0.836%
62	17.463	2482	2489	2491	rVV	213320	345100	3.88%	0.753%
63	17.516	2491	2498	2502	rVV	2737281	4553766	51.21%	9.940%
64	17.563	2502	2506	2510	rVV	471626	727046	8.18%	1.587%
65	17.592	2510	2511	2517	rVV	161792	173619	1.95%	0.379%
66	17.657	2517	2522	2526	rVB	26525	40411	0.45%	0.088%
67	17.868	2551	2558	2565	rBV	1077450	1698887	19.11%	3.708%
68	17.974	2569	2576	2580	rBV6	32367	62983	0.71%	0.137%
69	18.150	2601	2606	2613	rBV6	15575	30404	0.34%	0.066%
70	18.332	2633	2637	2640	rVV	80851	112737	1.27%	0.246%
71	18.379	2640	2645	2650	rVV	233722	351883	3.96%	0.768%

LSC Area Percent Report

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Data File : BG020550.D
Acq On : 27 Dec 2015 11:21
Operator : UM/SJ
Sample : G4846-14
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N60

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-BG122415.M
Title : SVOA CALIBRATION

72	18.426	2650	2653	2656	rVV	24215	35679	0.40%	0.078%
73	18.462	2656	2659	2664	rVB2	20329	30903	0.35%	0.067%
74	18.532	2664	2671	2681	rBV2	230700	418288	4.70%	0.913%
75	18.632	2681	2688	2692	rVV2	80081	137754	1.55%	0.301%
76	18.673	2692	2695	2699	rVV	110357	159880	1.80%	0.349%
77	18.708	2699	2701	2706	rVV3	21190	34747	0.39%	0.076%
78	18.767	2706	2711	2717	rVV	106484	176687	1.99%	0.386%
79	18.826	2717	2721	2725	rVV2	59194	92023	1.03%	0.201%
80	18.873	2725	2729	2734	rVV2	115230	179057	2.01%	0.391%
81	19.237	2781	2791	2793	rBV8	12152	33759	0.38%	0.074%
82	19.343	2798	2809	2813	rBV7	20360	52016	0.58%	0.114%
83	19.384	2813	2816	2822	rVB3	19758	33274	0.37%	0.073%
84	19.507	2830	2837	2843	rVV	605263	881372	9.91%	1.924%
85	19.701	2865	2870	2874	rBV2	29655	47077	0.53%	0.103%
86	19.754	2875	2879	2888	rVB3	23134	41902	0.47%	0.091%
87	19.842	2888	2894	2897	rBV	570777	917393	10.32%	2.002%
88	19.872	2897	2899	2906	rVB	373565	439128	4.94%	0.959%
89	20.054	2924	2930	2937	rVB4	14797	34957	0.39%	0.076%
90	20.248	2957	2963	2969	rVV	170290	246435	2.77%	0.538%
91	20.312	2969	2974	2978	rVV2	24945	47112	0.53%	0.103%
92	20.353	2978	2981	2986	rVB	20793	33054	0.37%	0.072%
93	20.459	2992	2999	3003	rBV	27380	42008	0.47%	0.092%
94	20.964	3082	3085	3094	rVB2	17233	34637	0.39%	0.076%
95	21.311	3135	3144	3147	rBV3	21178	40844	0.46%	0.089%
96	21.346	3147	3150	3155	rVV2	20134	29745	0.33%	0.065%
97	21.728	3207	3215	3222	rBV2	312750	580682	6.53%	1.267%
98	22.151	3280	3287	3297	rBV	36956	72506	0.82%	0.158%
99	24.784	3722	3735	3752	rBV	241368	772856	8.69%	1.687%
100	25.001	3762	3772	3788	rBV2	113540	375252	4.22%	0.819%

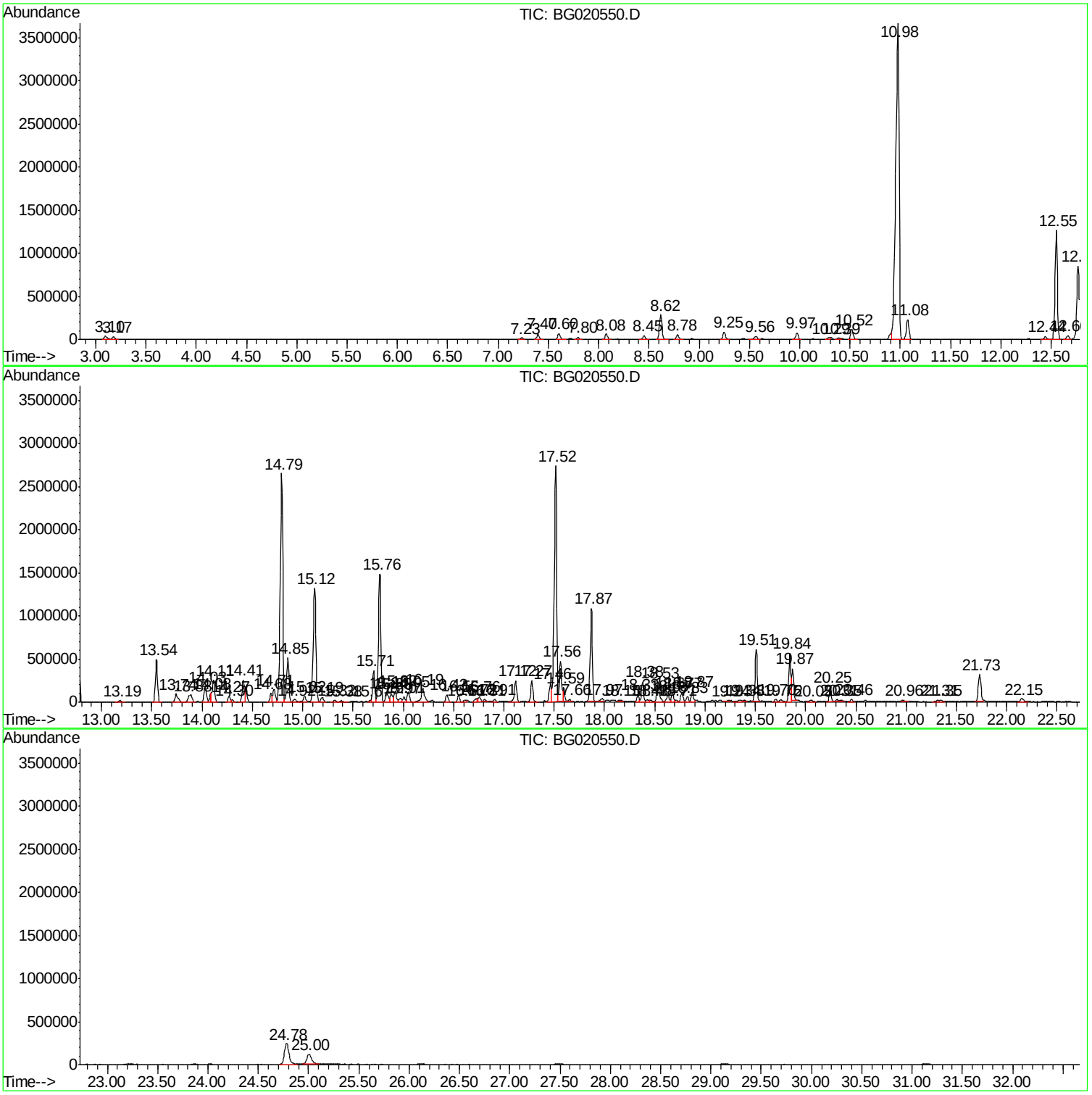
Sum of corrected areas: 45813541

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020550.D
Acq On : 27 Dec 2015 11:21
Operator : UM/SJ
Sample : G4846-14
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N60

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020550.D
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Operator : UM/SJ
Sample : G4846-14
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N60

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

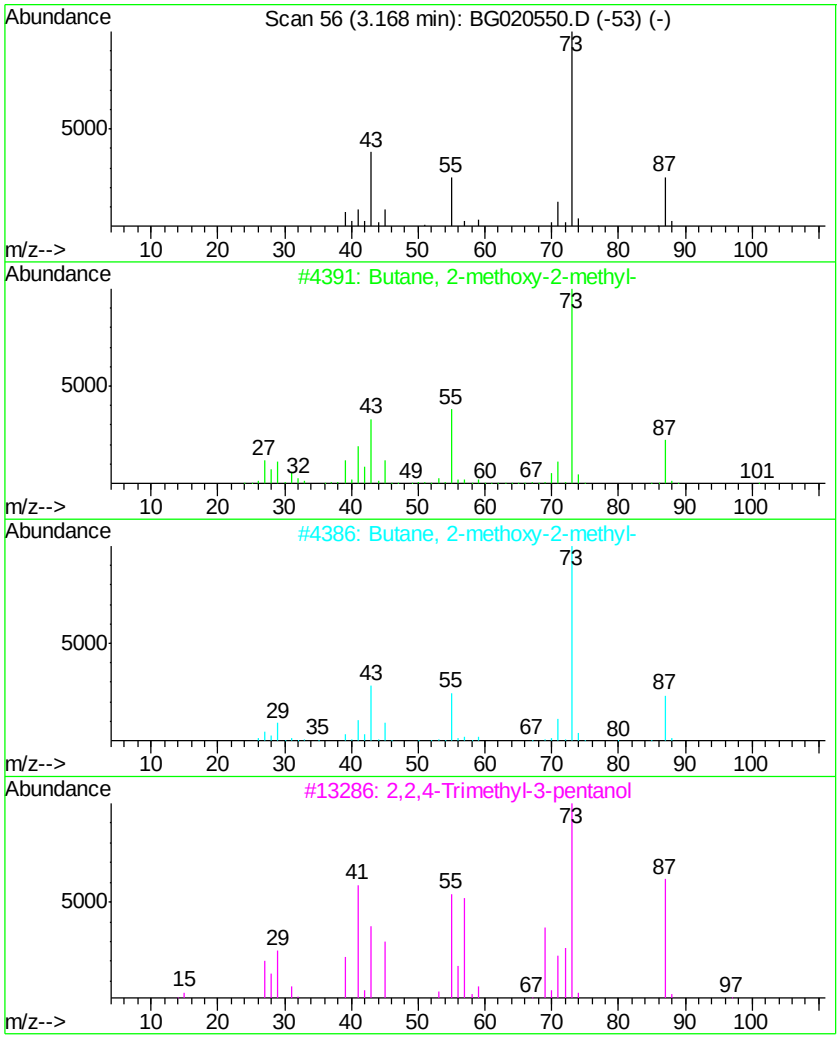
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

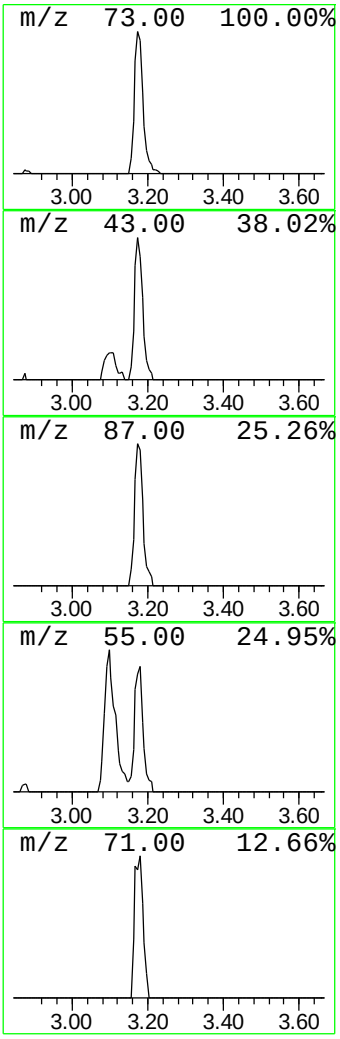
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	8.59 ng/ul	45972	1,4-Dichlorobenzene-d4	8.07

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	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	56
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	12





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020550.D
Acq On : 27 Dec 2015 11:21
Operator : UM/SJ
Sample : G4846-14
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N60

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

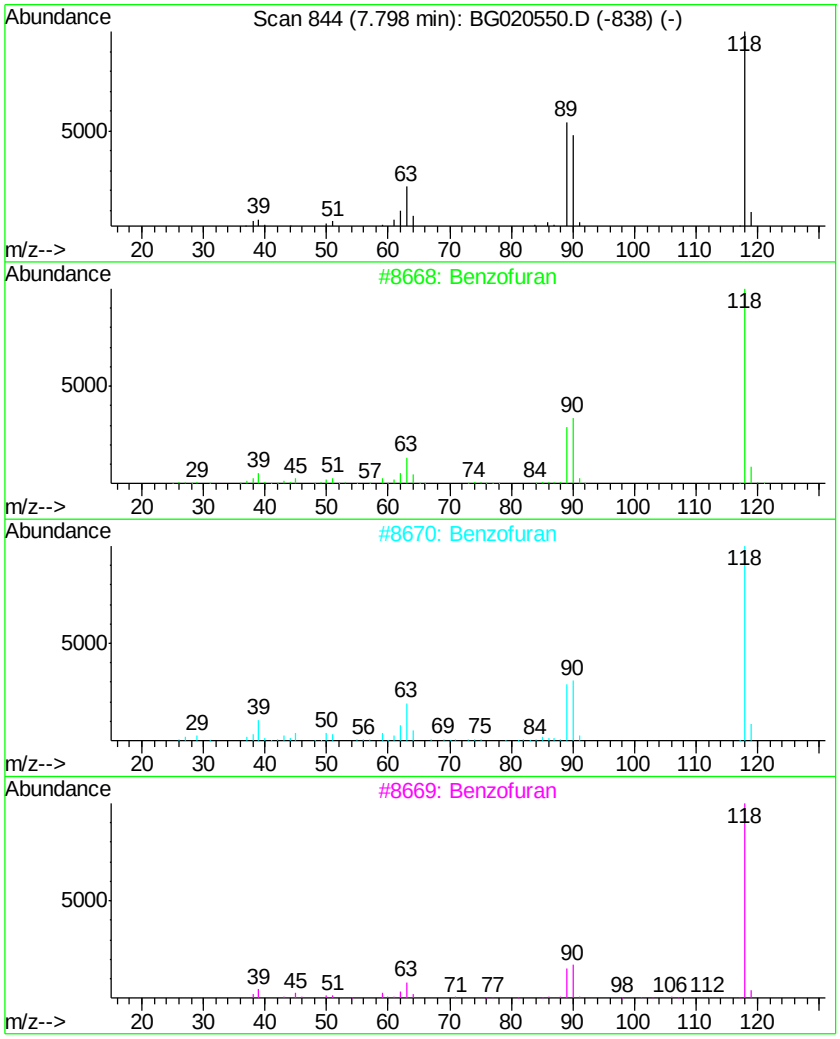
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

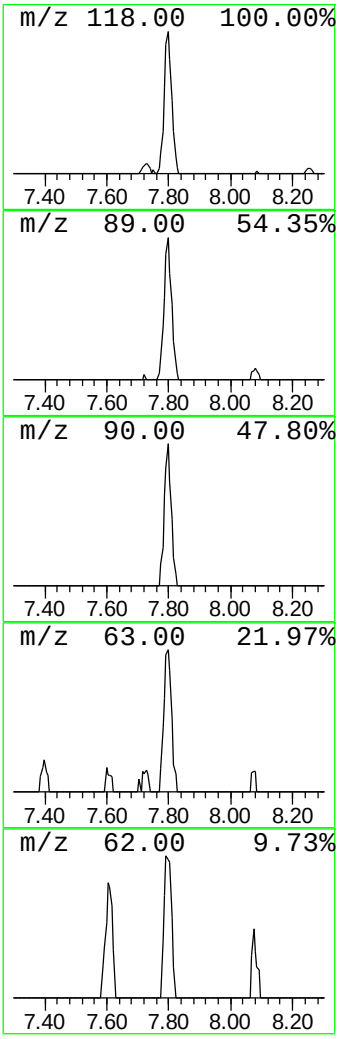
****

Peak Number 3 Benzofuran Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.80	6.96 ng/ul	37226	1,4-Dichlorobenzene-d4	8.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran	118	C8H6O	000271-89-6	91
2	Benzofuran	118	C8H6O	000271-89-6	91
3	Benzofuran	118	C8H6O	000271-89-6	91
4	3-Hydroxyphenylacetylene	118	C8H6O	010401-11-3	83
5	2H-Cyclopenta[d]pyridazine	118	C7H6N2	000270-64-4	45





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020550.D
Acq On : 27 Dec 2015 11:21
Operator : UM/SJ
Sample : G4846-14
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N60

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

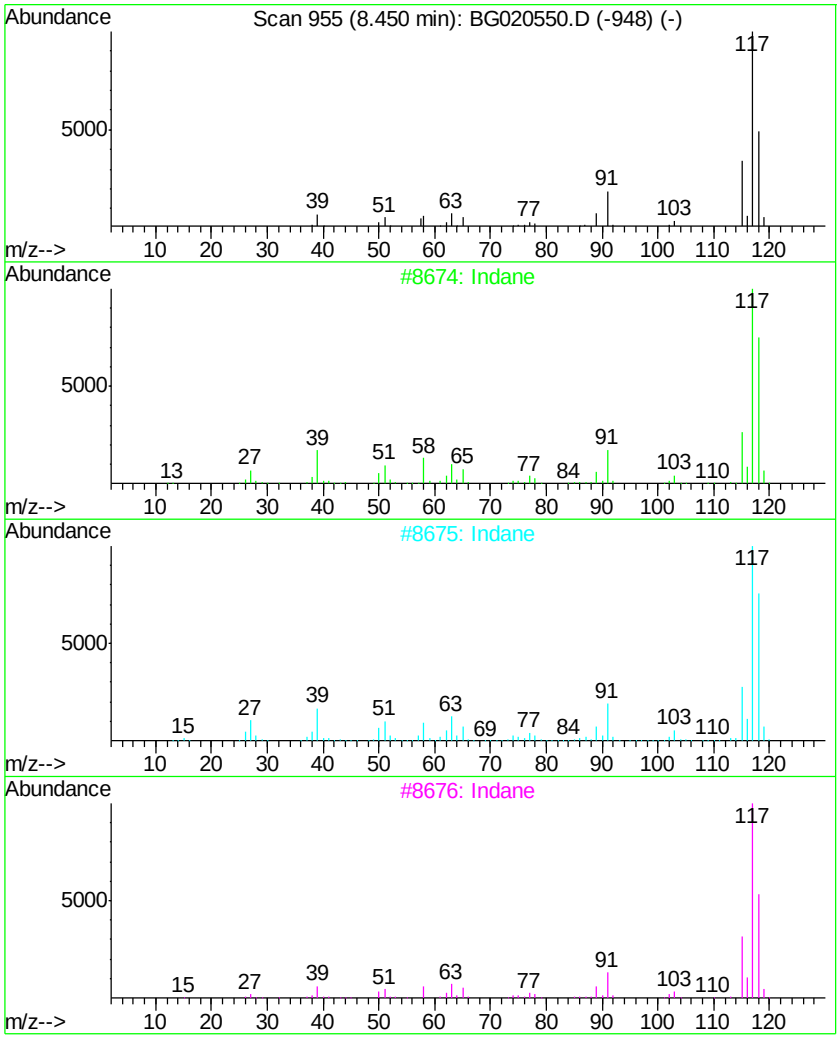
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

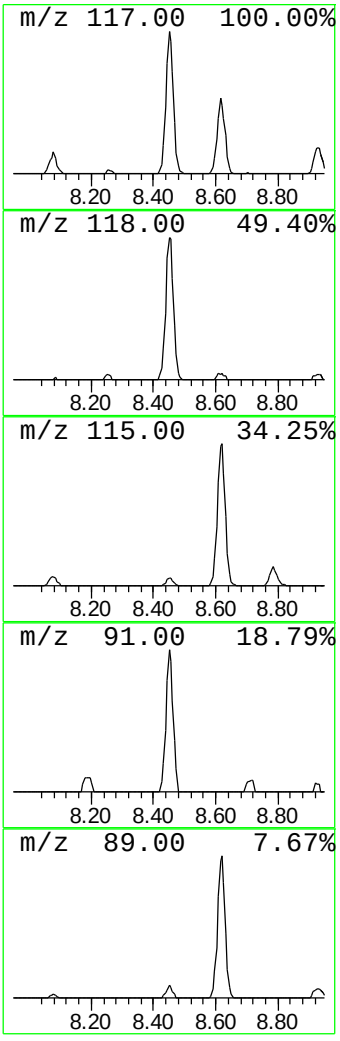
****

Peak Number 4 Indane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	13.92 ng/ul	74494	1,4-Dichlorobenzene-d4	8.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	64
2	Indane	118	C9H10	000496-11-7	60
3	Indane	118	C9H10	000496-11-7	60
4	Deltacyclene	118	C9H10	007785-10-6	59
5	trans-Cinnamyl bromide	196	C9H9Br	026146-77-0	59





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020550.D
Acq On : 27 Dec 2015 11:21
Operator : UM/SJ
Sample : G4846-14
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N60

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

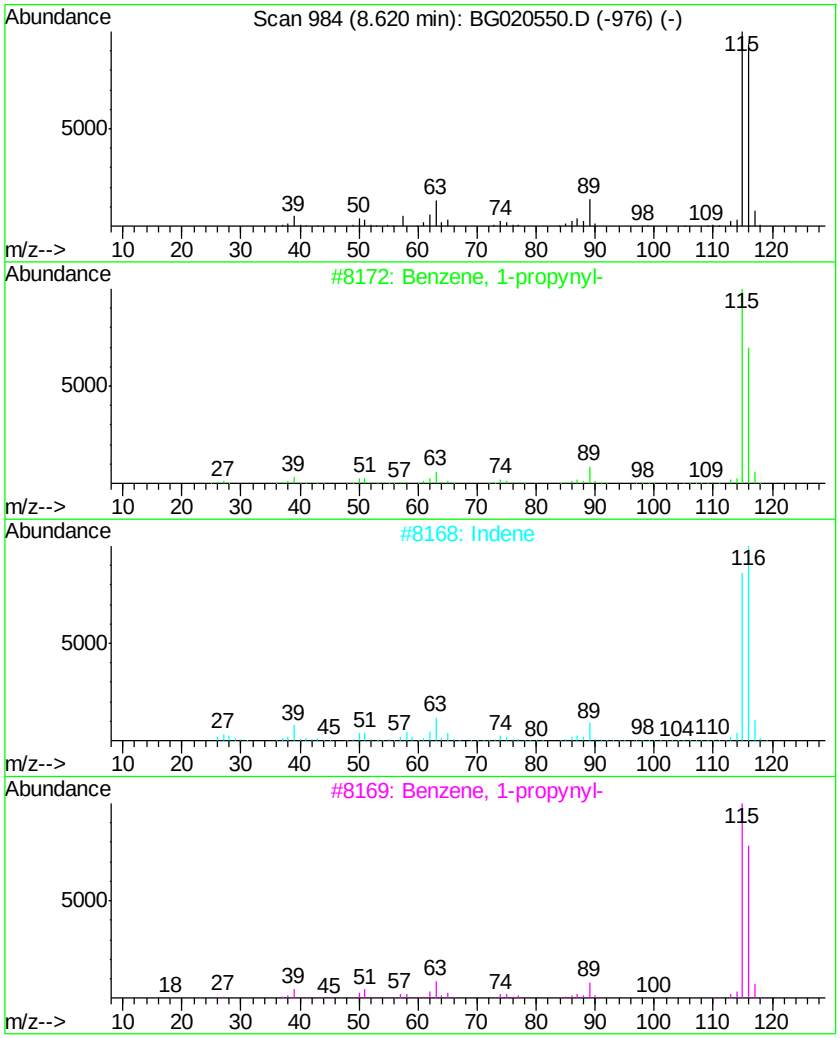
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

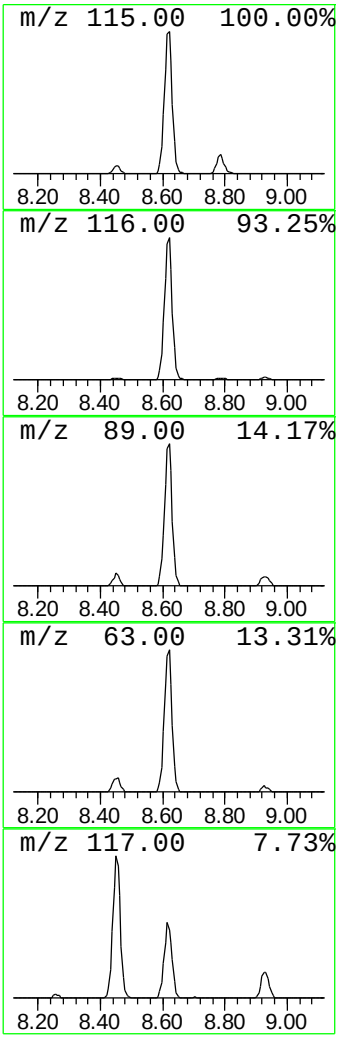
****

Peak Number 5 Benzene, 1-propynyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.62	93.93 ng/ul	502682	1,4-Dichlorobenzene-d4	8.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propynyl-	116	C9H8	000673-32-5	95
2	Indene	116	C9H8	000095-13-6	93
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
4	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91
5	Benzene,1-ethynyl-2-methyl-	116	C9H8	000766-47-2	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020550.D
Acq On : 27 Dec 2015 11:21
Operator : UM/SJ
Sample : G4846-14
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N60

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

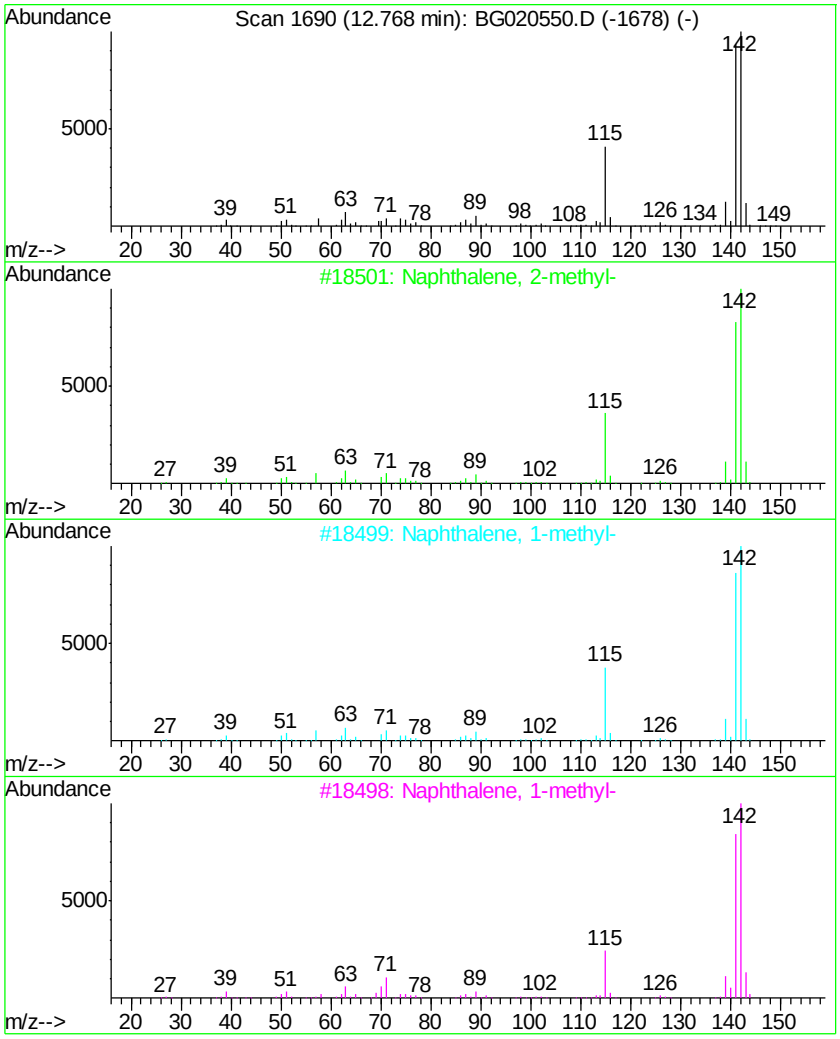
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

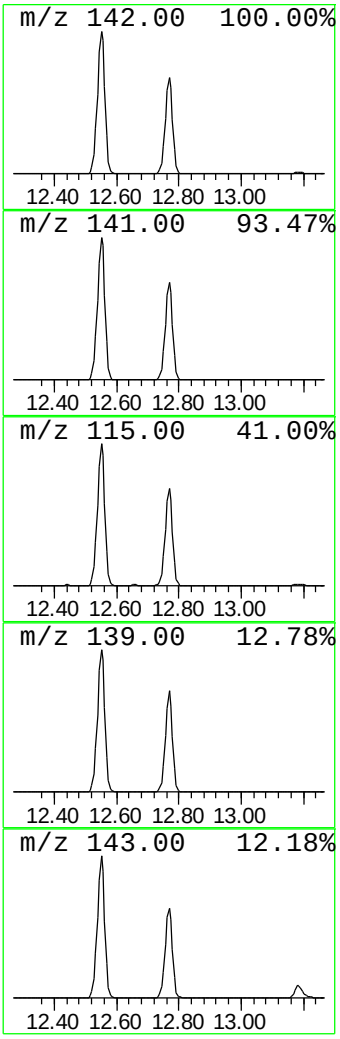
****

Peak Number 6 Naphthalene, 1-methyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	3.27 ng/ul	1453810	Naphthalene-d8	10.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020550.D
Acq On : 27 Dec 2015 11:21
Operator : UM/SJ
Sample : G4846-14
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N60

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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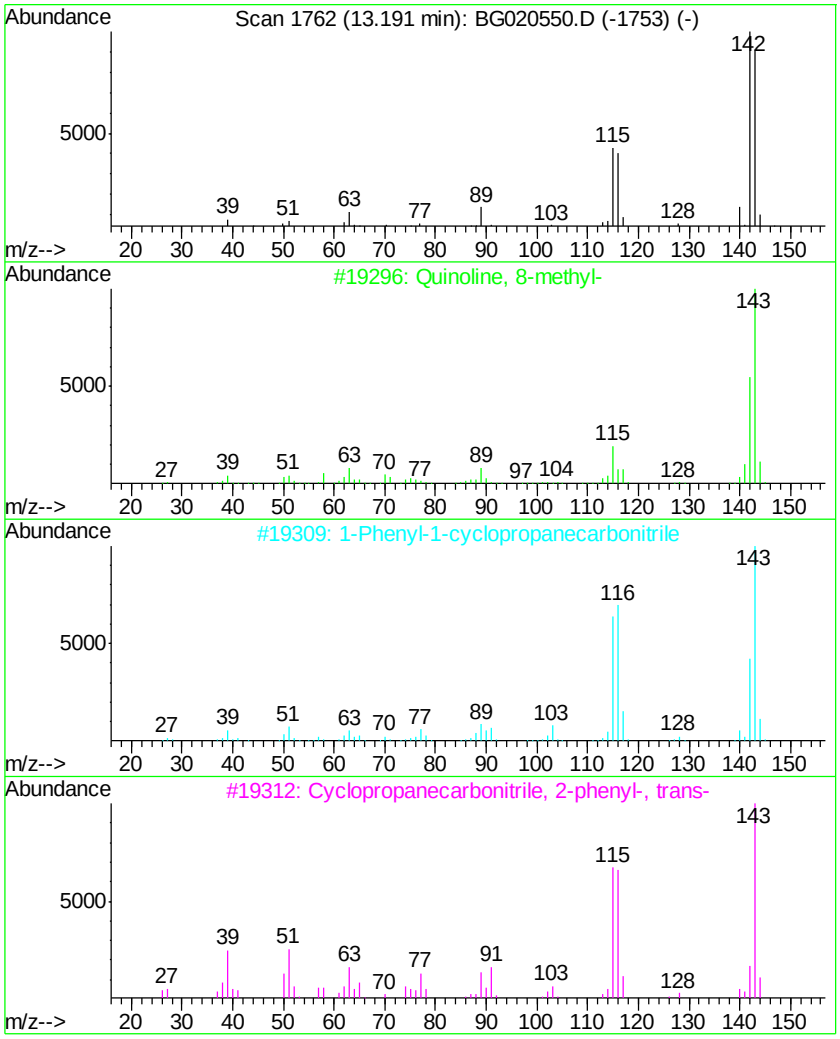
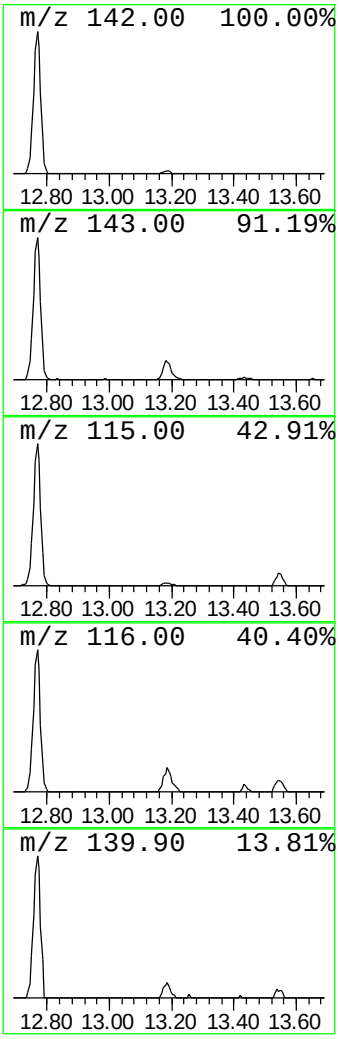
Peak Number 7 Quinoline, 8-methyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	2.80 ng/ul	34994	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline, 8-methyl-	143	C10H9N	000611-32-5	64
2	1-Phenyl-1-cyclopropanecarbonitrile	143	C10H9N	000935-44-4	64
3	Cyclopropanecarbonitrile, 2-phen...	143	C10H9N	005590-14-7	62
4	Quinoline, 7-methyl-	143	C10H9N	000612-60-2	58
5	1-Propene, 3-cyano-1-phenyl-	143	C10H9N	1000164-96-2	52





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Sample : G4846-14
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N60

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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-ethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	16.46 ng/ul	205846	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
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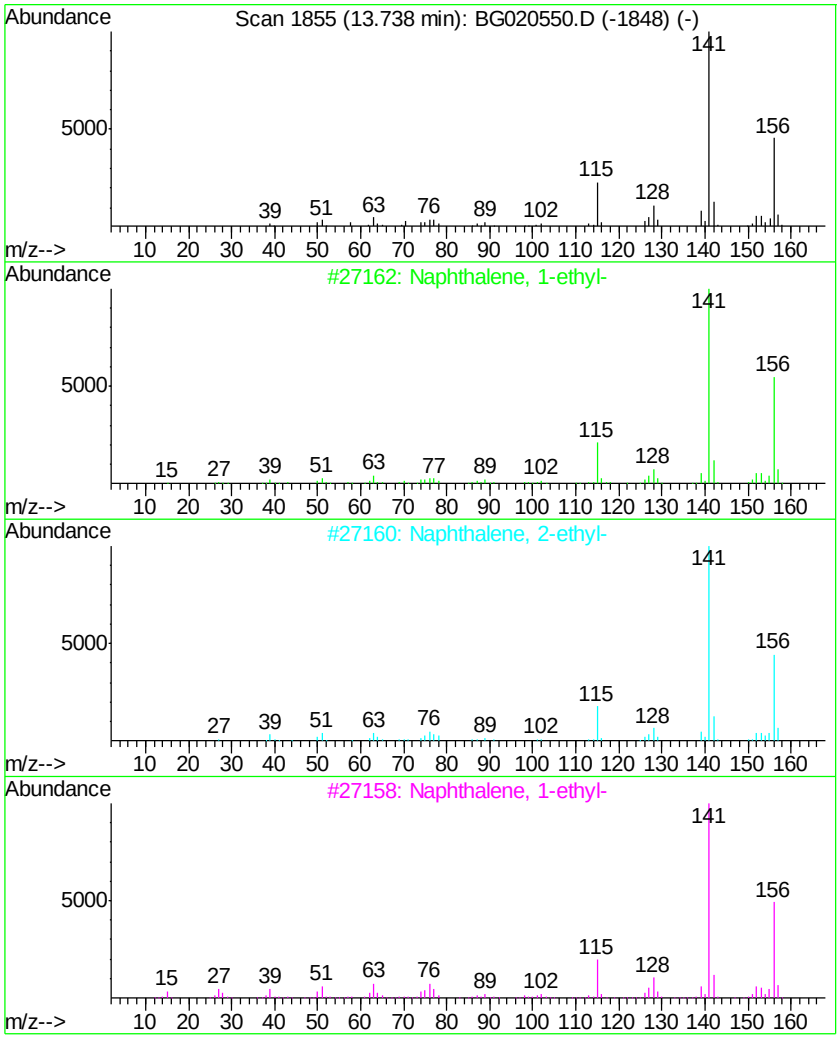

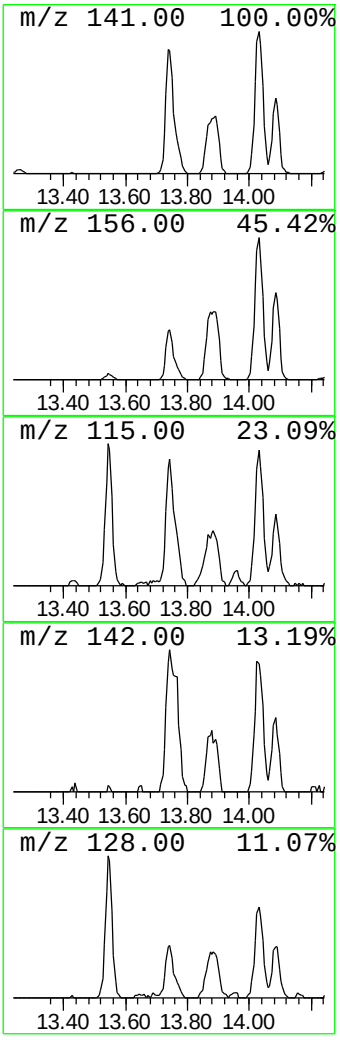

Library Search Compound Report

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Instrument : BNA_G
ClientSampleId : D9N60

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Quant Title : SVOA CALIBRATION

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

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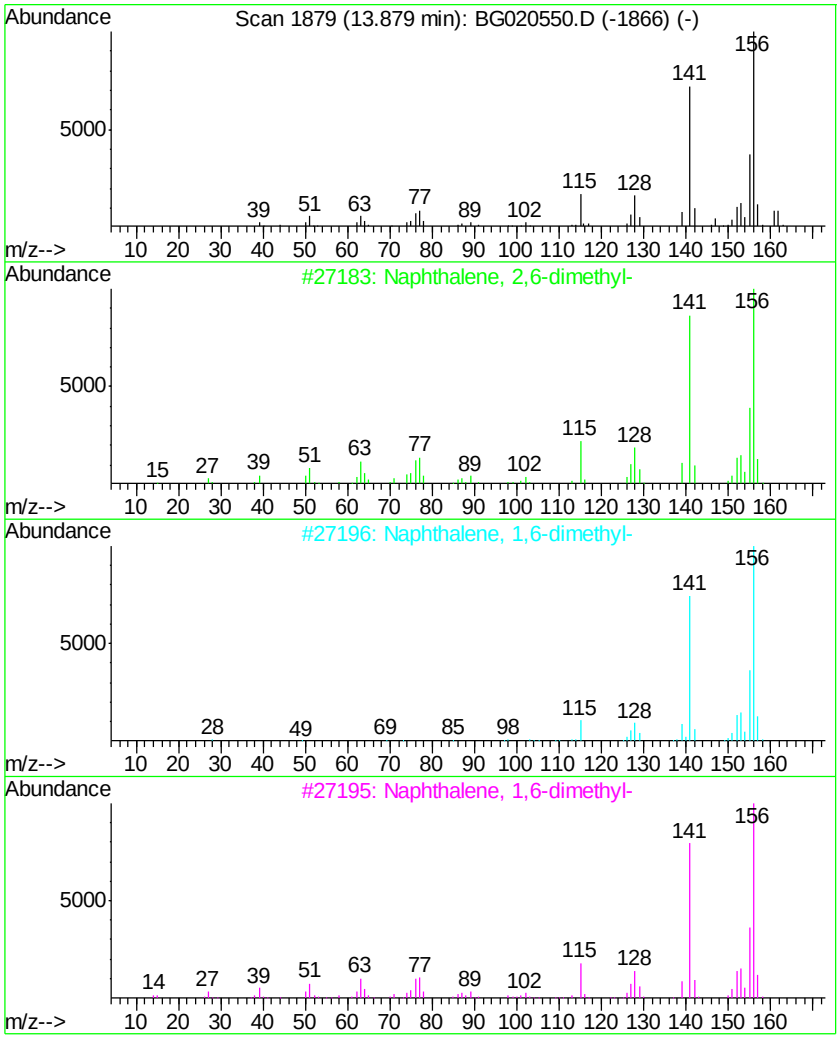
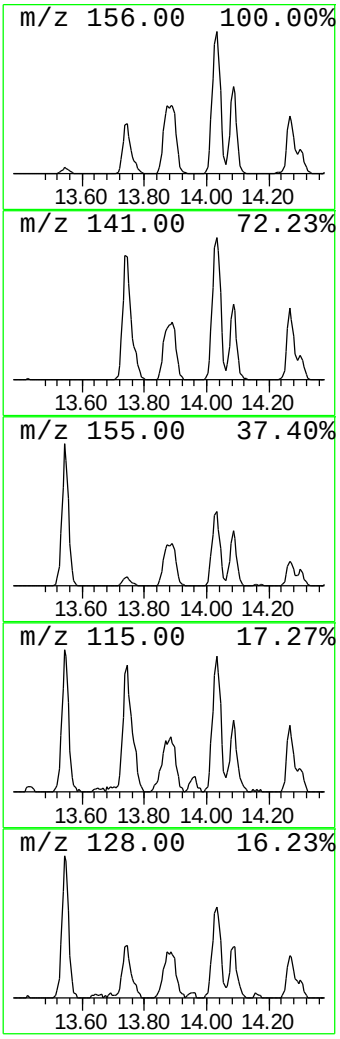
Peak Number 9 Naphthalene, 2,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	18.89 ng/ul	236189	Acenaphthene-d10	14.71

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





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Instrument : BNA_G
ClientSampleId : D9N60

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Quant Title : SVOA CALIBRATION

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

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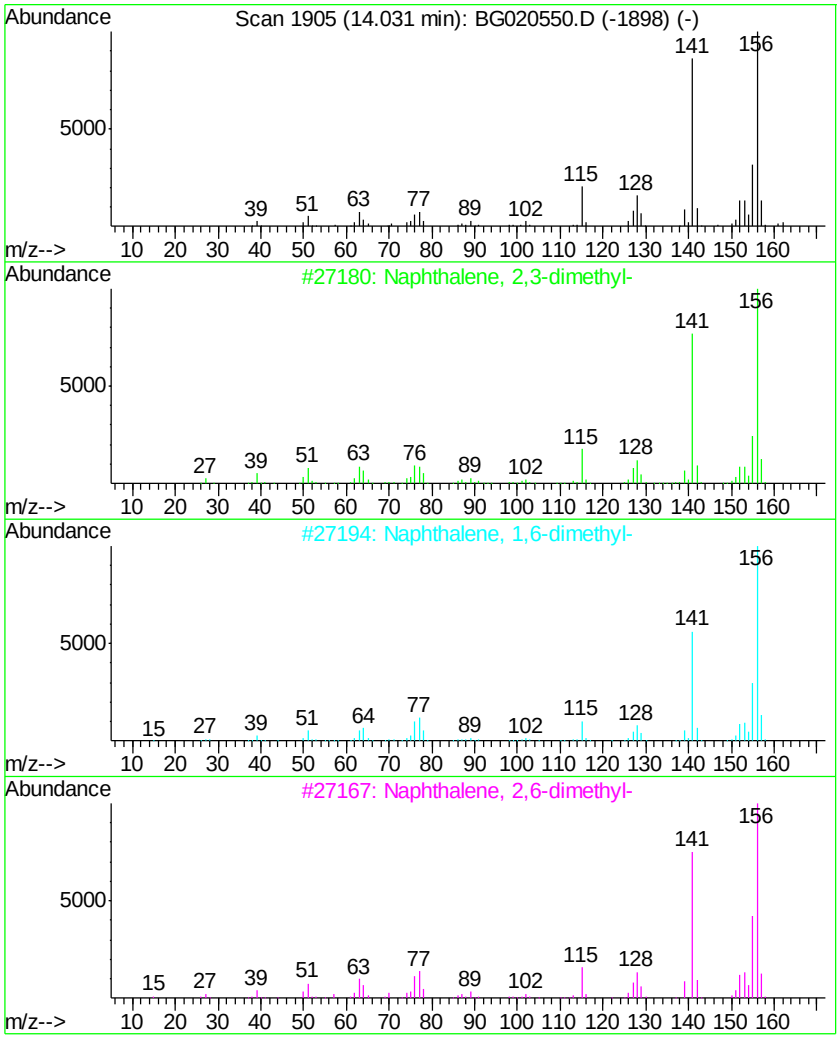
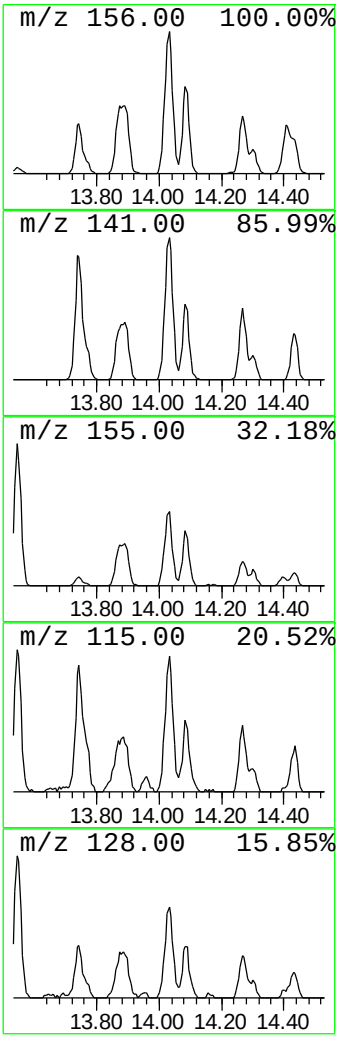
Peak Number 10 Naphthalene, 2,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.03	25.33 ng/ul	316746	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





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Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N60

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Quant Title : SVOA CALIBRATION

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

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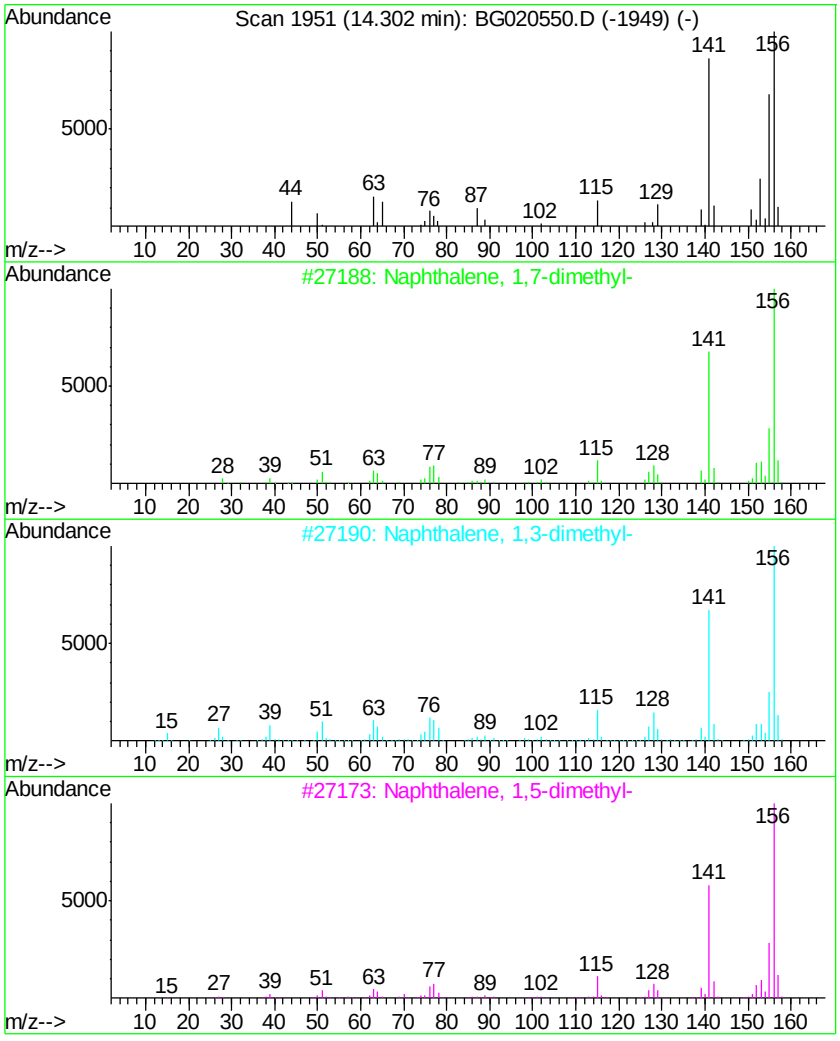
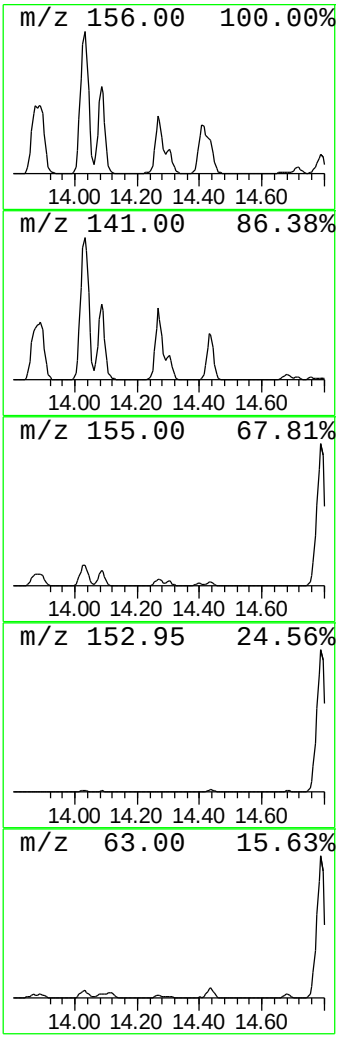
Peak Number 12 Naphthalene, 1,7-dimethyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.30	2.75 ng/ul	34358	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	74
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	74
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	74
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	74
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	74





Library Search Compound Report

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Sample : G4846-14
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ClientSampleId : D9N60

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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 2-Naphthalenecarbonitrile Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	65.33 ng/ul	817031	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	97
2	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	97
3	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	91
4	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
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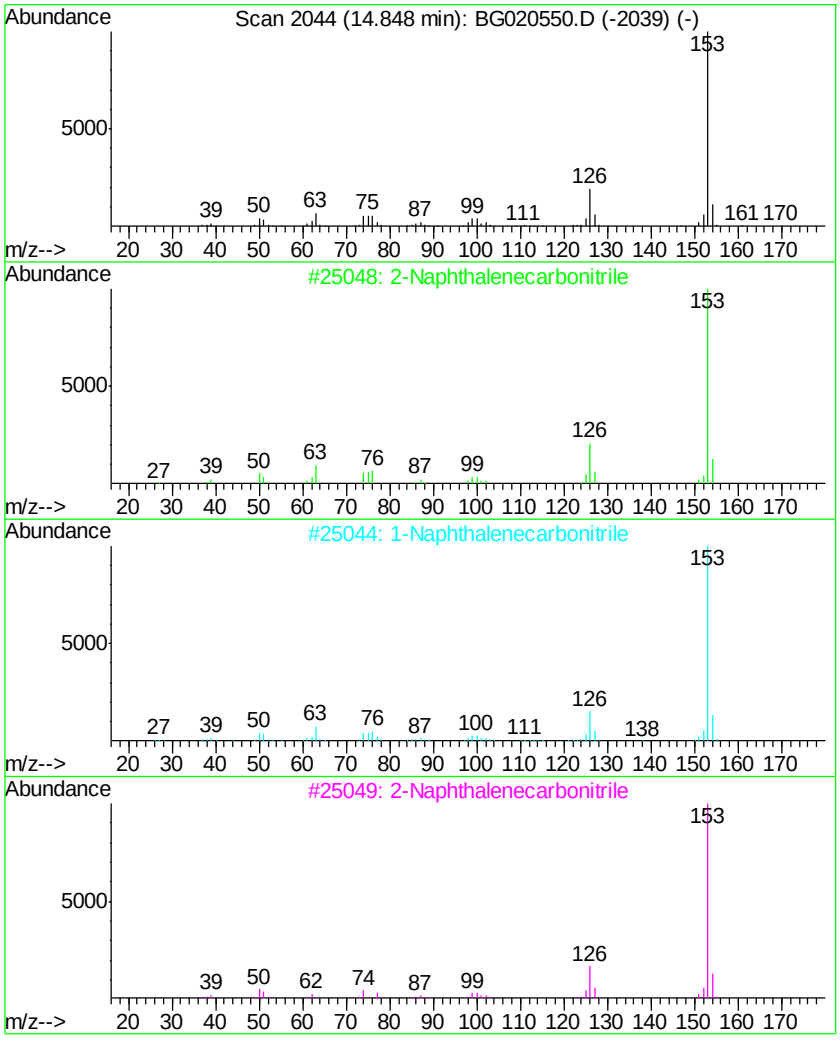

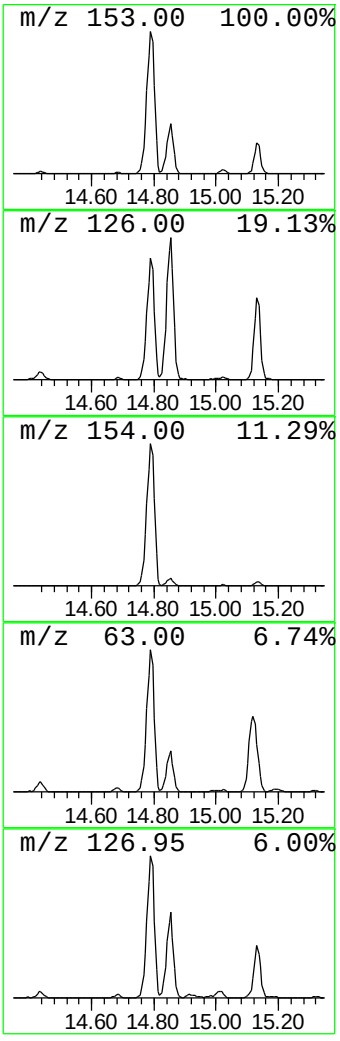

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Misc :
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Instrument : BNA_G
ClientSampleId : D9N60

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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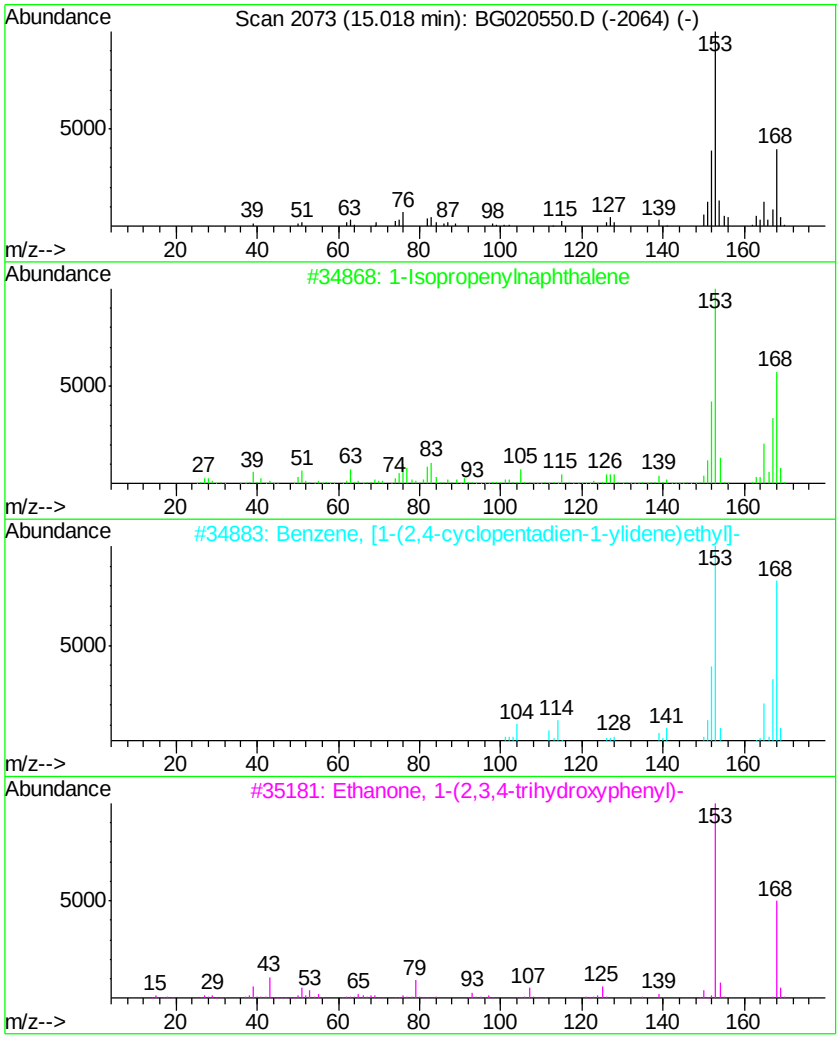
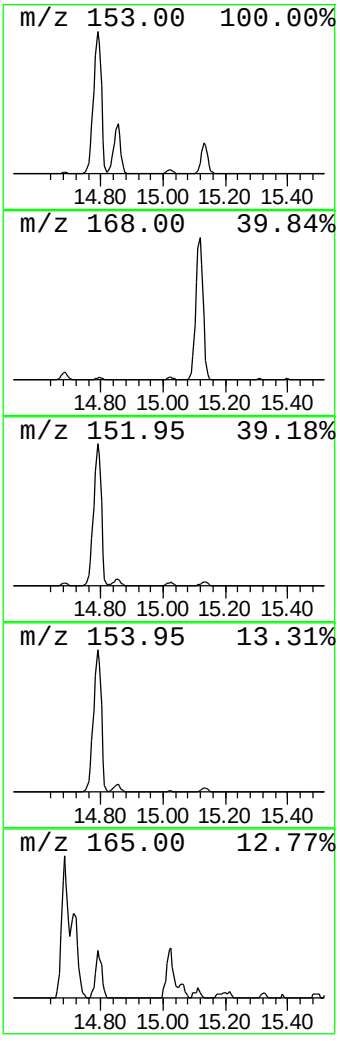
Peak Number 14 1-Isopropenylnaphthalene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	10.04 ng/ul	125570	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	87
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	78
3	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	50
4	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	50
5	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	50





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Sample : G4846-14
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N60

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Quant Title : SVOA CALIBRATION

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

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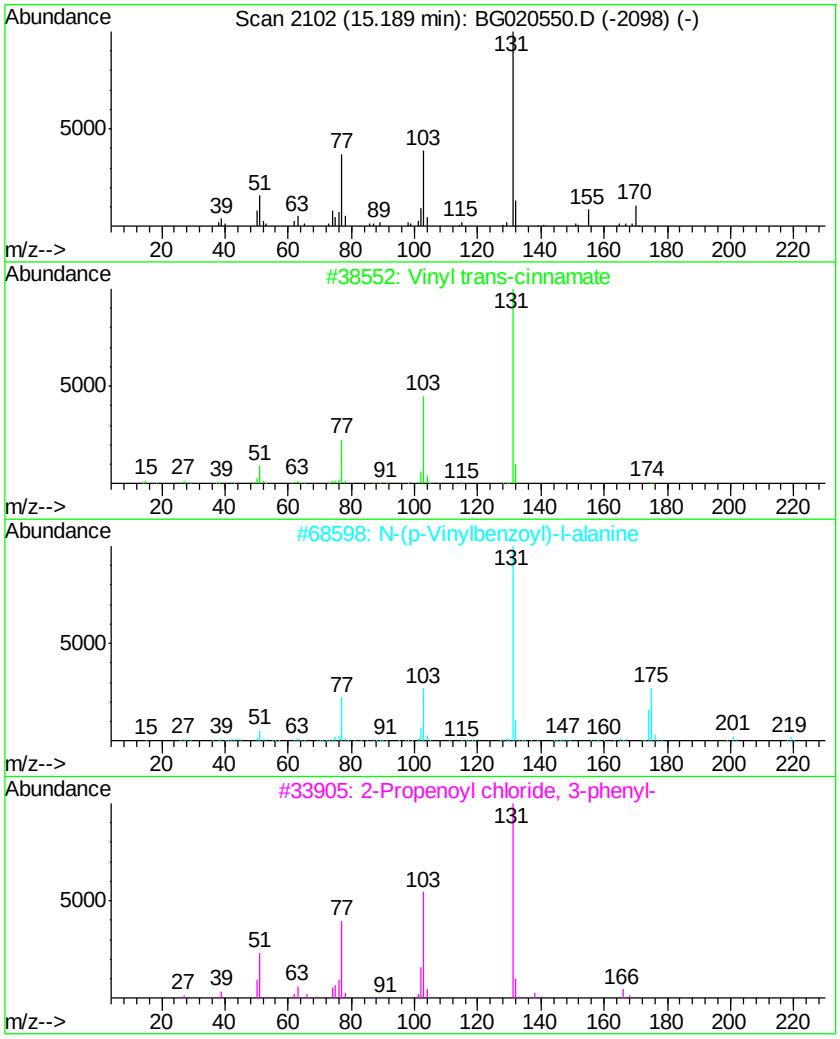
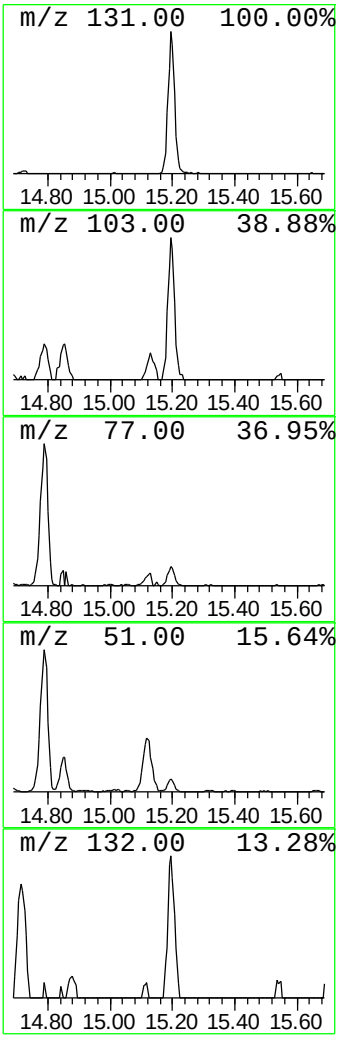
Peak Number 15 Vinyl trans-cinnamate Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	8.04 ng/ul	100486	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Vinyl trans-cinnamate	174	C11H10O2	017719-70-9	86
2	N-(p-Vinylbenzoyl)-l-alanine	219	C12H13NO3	139184-60-4	83
3	2-Propenoyl chloride, 3-phenyl-	166	C9H7ClO	000102-92-1	83
4	2-Propenoic acid, 3-phenyl-, met...	162	C10H10O2	001754-62-7	78
5	Propanedioic acid, nitrile, hydr...	229	C12H11N3O2	294878-35-6	78





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Instrument : BNA_G
ClientSampleId : D9N60

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Quant Title : SVOA CALIBRATION

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

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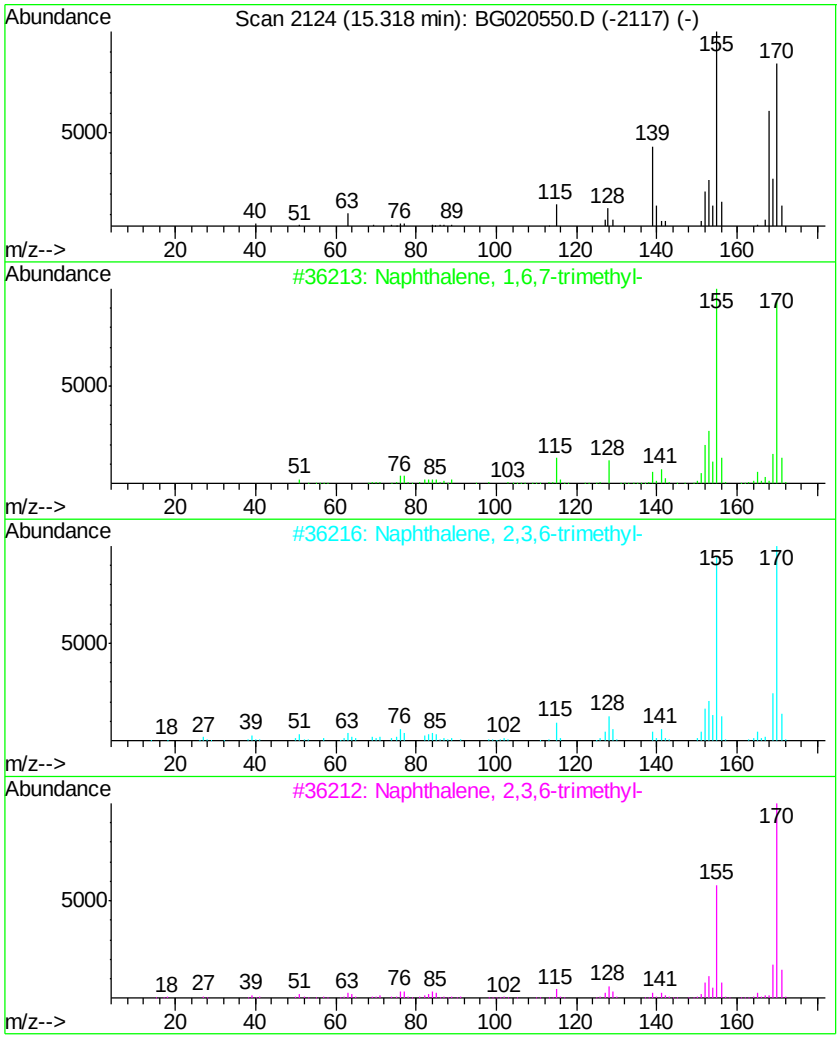
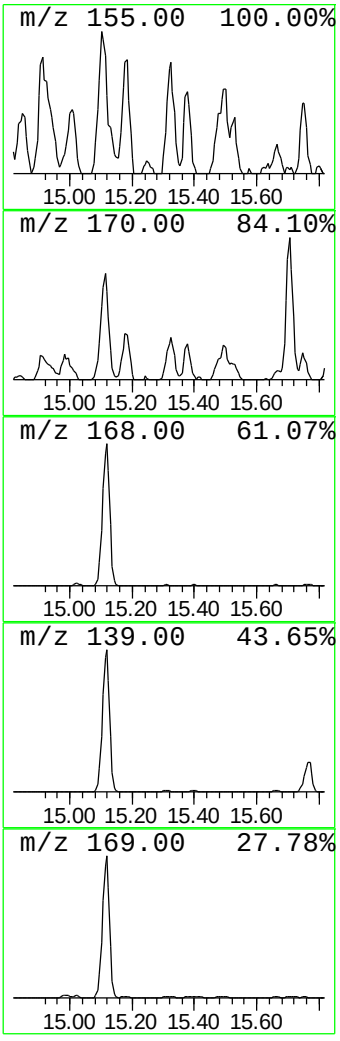
Peak Number 16 Naphthalene, 1,6,7-trimethyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	3.35 ng/ul	41915	Acenaphthene-d10	14.71

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	93
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	89





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Quant Title : SVOA CALIBRATION

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

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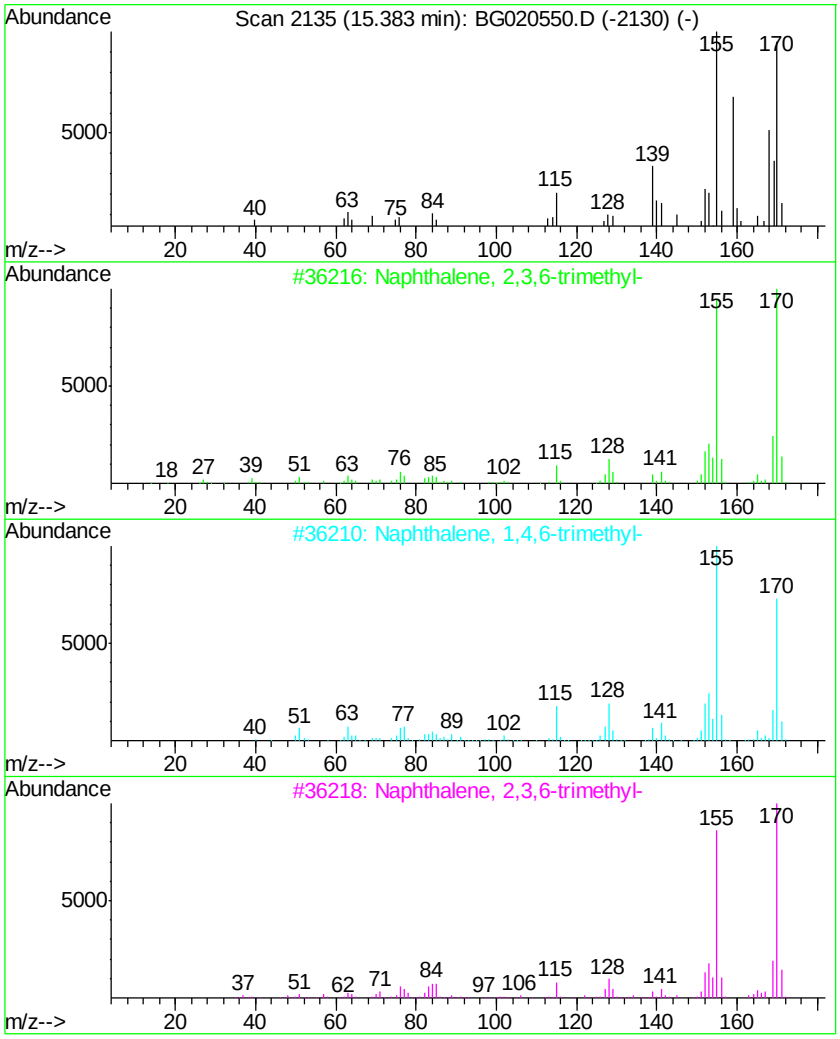
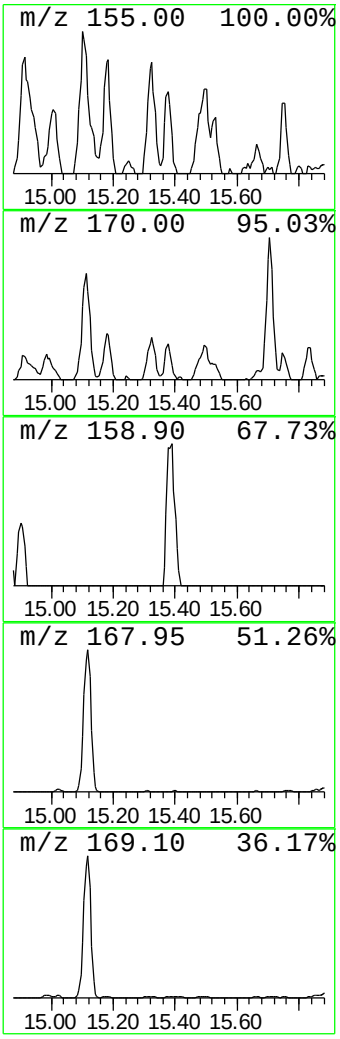
Peak Number 17 Naphthalene, 2,3,6-trimethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.38	2.82 ng/ul	35327	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	70
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	70
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	64
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	64
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	62





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Quant Title : SVOA CALIBRATION

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

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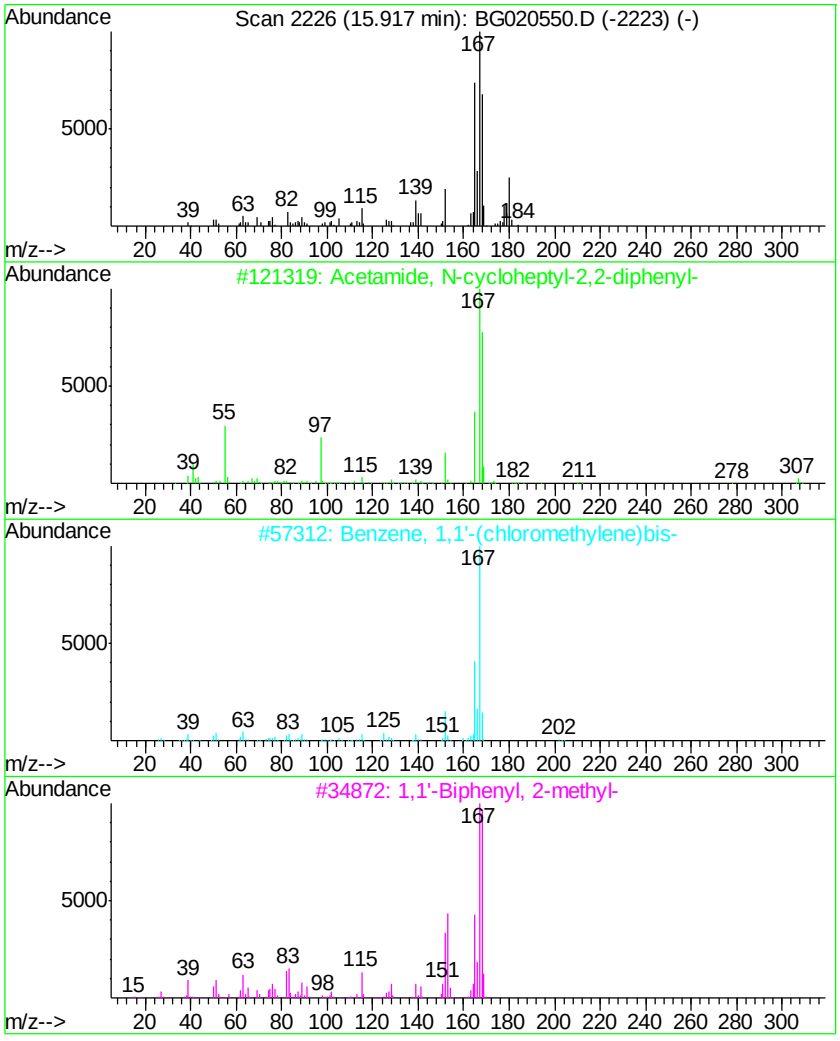
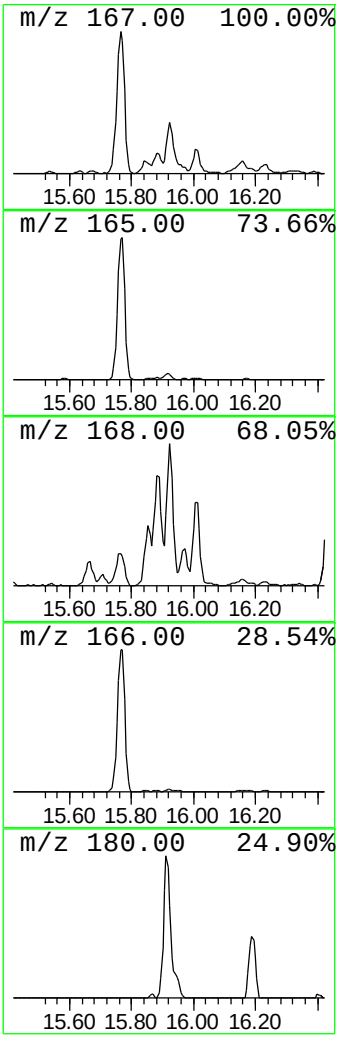
Peak Number 18 Acetamide, N-cycloheptyl-2,... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	17.36 ng/ul	217136	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetamide, N-cycloheptyl-2,2-dip...	307	C21H25NO	351062-01-6	53
2	Benzene, 1,1'-(chloromethylene)bis-	202	C13H11Cl	000090-99-3	53
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	50
4	Benzhydryl isothiocyanate	225	C14H11NS	003550-21-8	50
5	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	49





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Sample : G4846-14
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N60

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Quant Title : SVOA CALIBRATION

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

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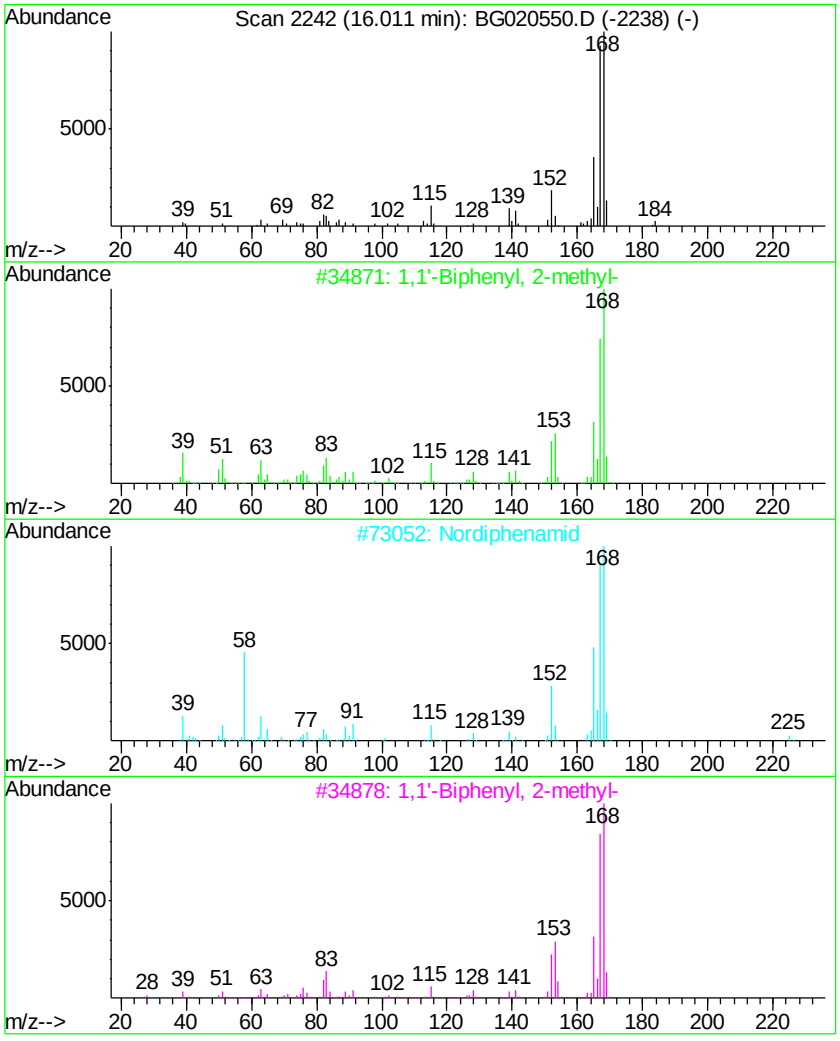
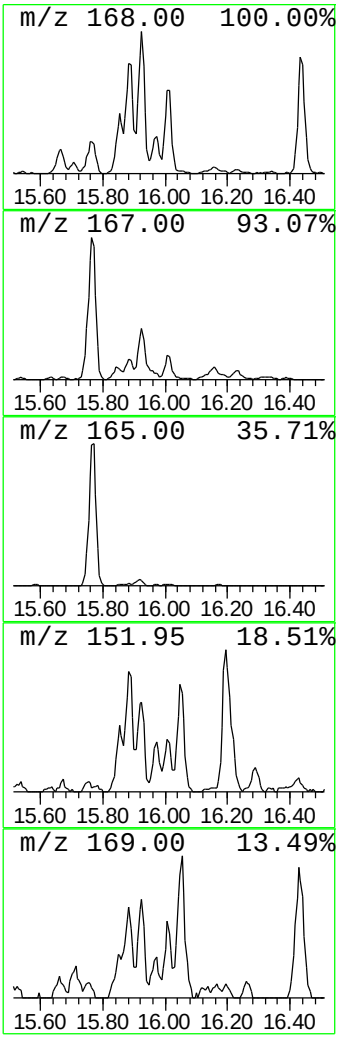
Peak Number 20 1,1'-Biphenyl, 2-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.01	7.37 ng/ul	92157	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	90
2	Nordiphenamid	225	C15H15NO	000954-21-2	83
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	76
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	70
5	Diphenylmethane	168	C13H12	000101-81-5	68





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020550.D
Acq On : 27 Dec 2015 11:21
Operator : UM/SJ
Sample : G4846-14
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N60

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

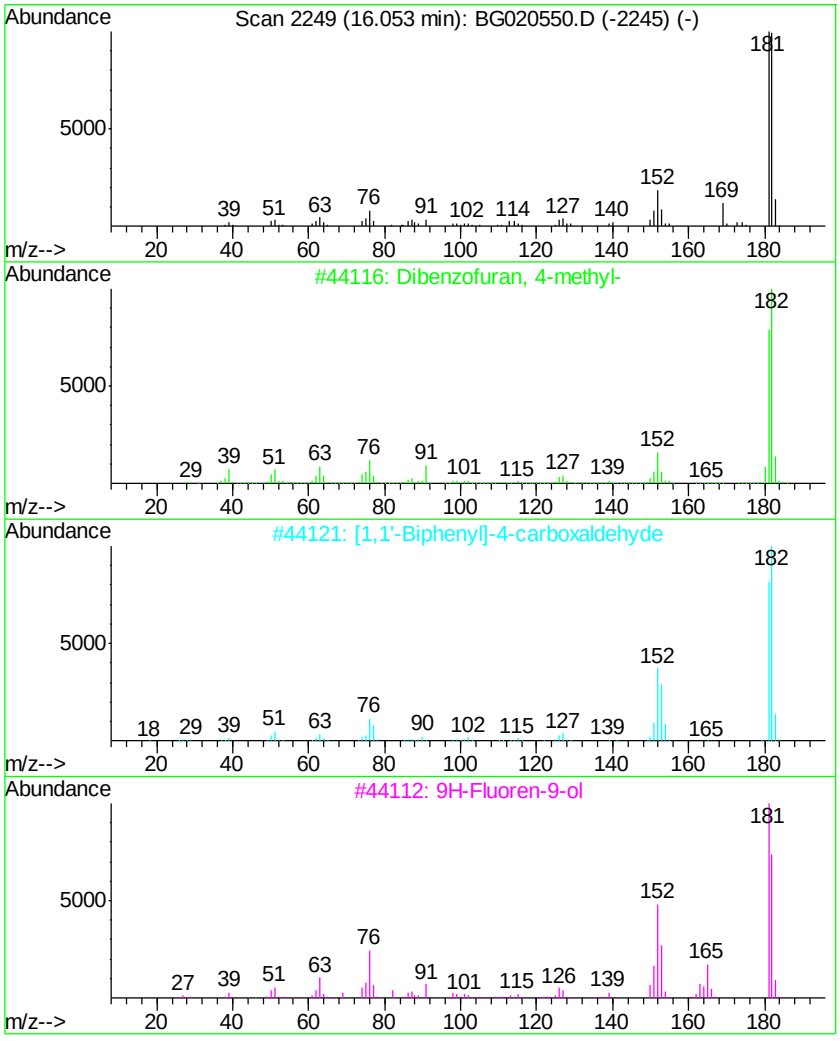
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

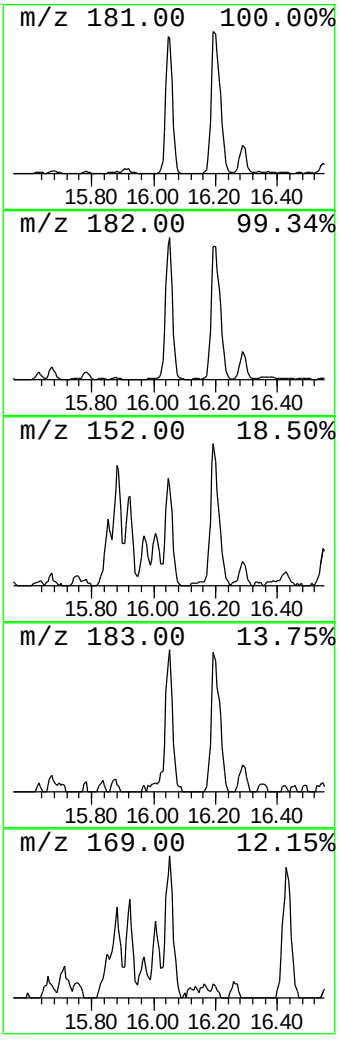
****

Peak Number 21 Dibenzofuran, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	13.87 ng/ul	173430	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	Pyrido[2,3-d]indole, 6-methyl-	182	C12H10N2	108349-67-3	72





Library Search Compound Report

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Acq On : 27 Dec 2015 11:21
Operator : UM/SJ
Sample : G4846-14
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N60

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

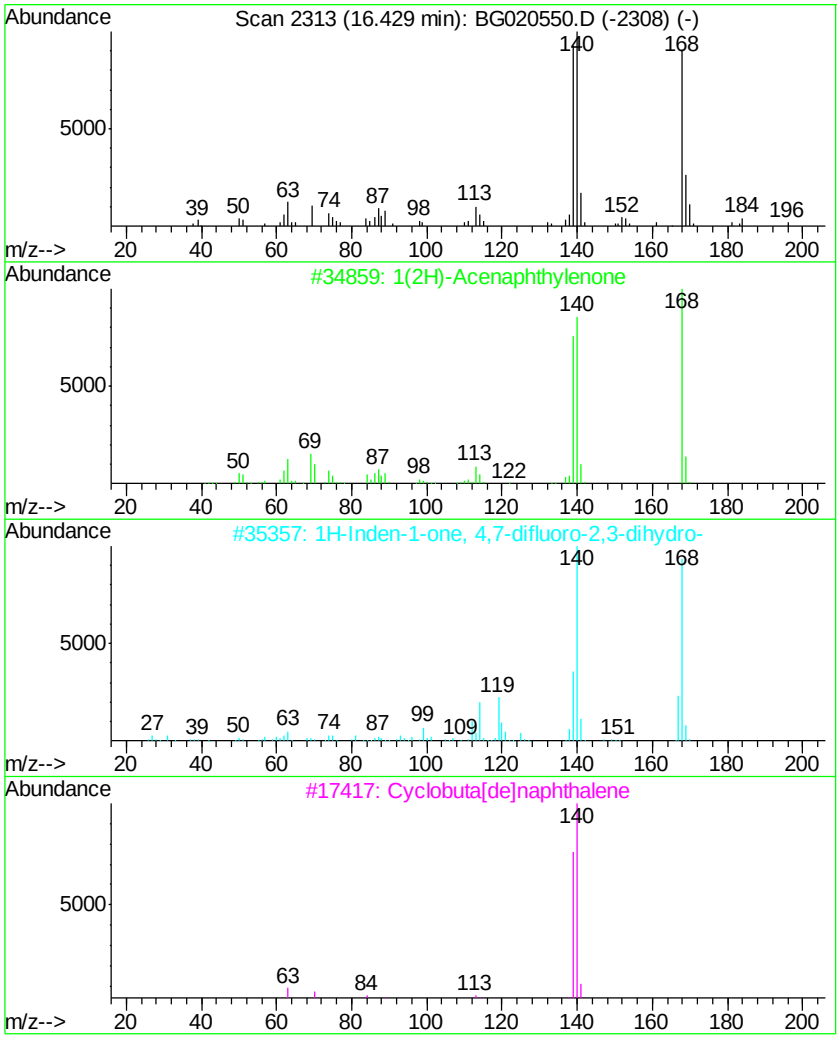
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

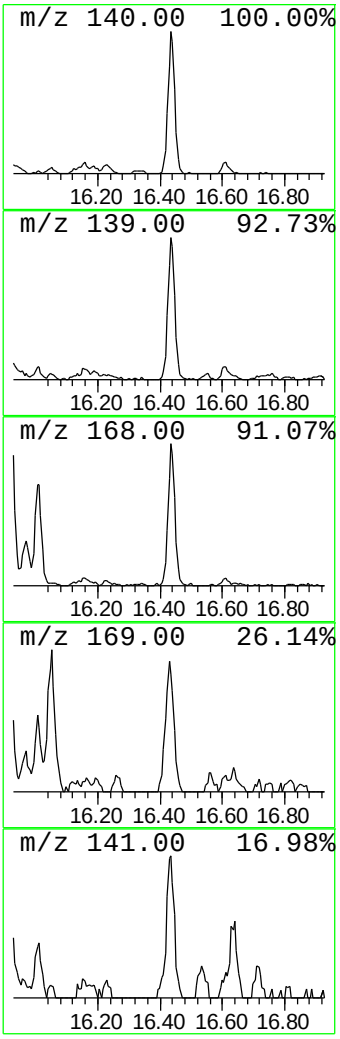
****

Peak Number 23 1(2H)-Acenaphthylenone Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	8.08 ng/ul	139411	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	95
2	1H-Inden-1-one, 4,7-difluoro-2,3...	168	C9H6F2O	130408-16-1	53
3	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	52
4	Benzaldehyde, 4-fluoro-3-hydroxy-	140	C7H5FO2	103438-85-3	49
5	2,4-Dimethoxypyrimidine	140	C6H8N2O2	003551-55-1	47





Library Search Compound Report

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Sample : G4846-14
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N60

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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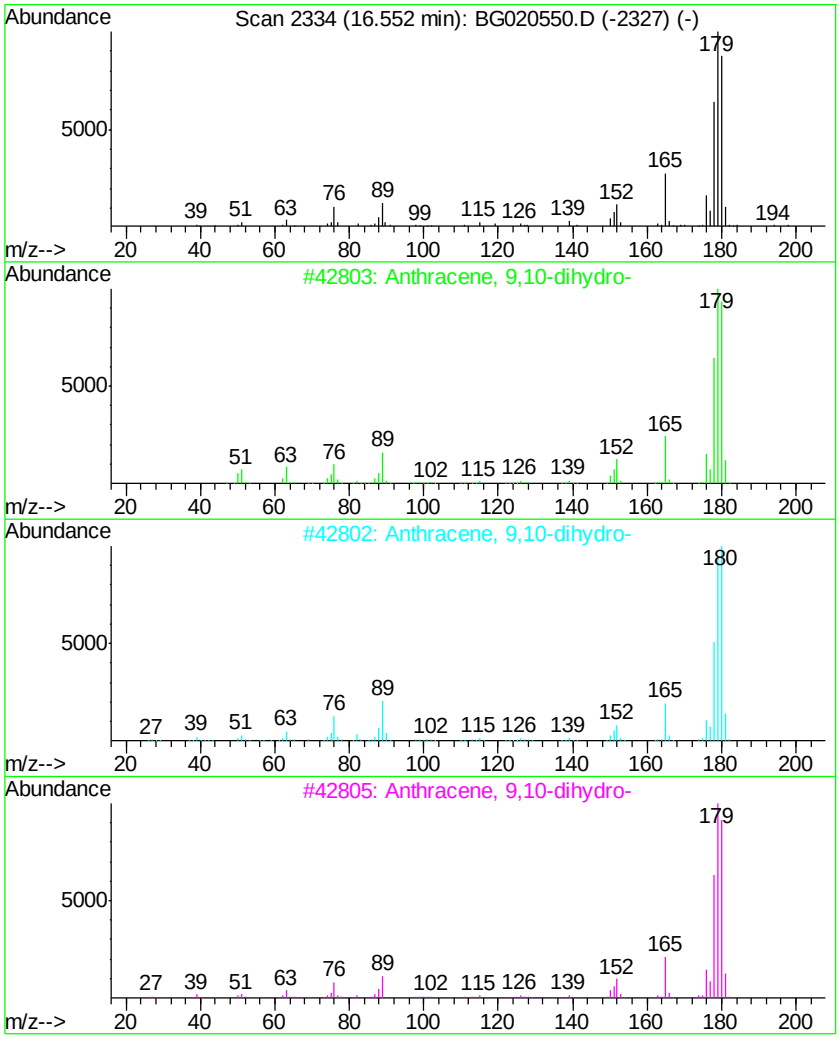
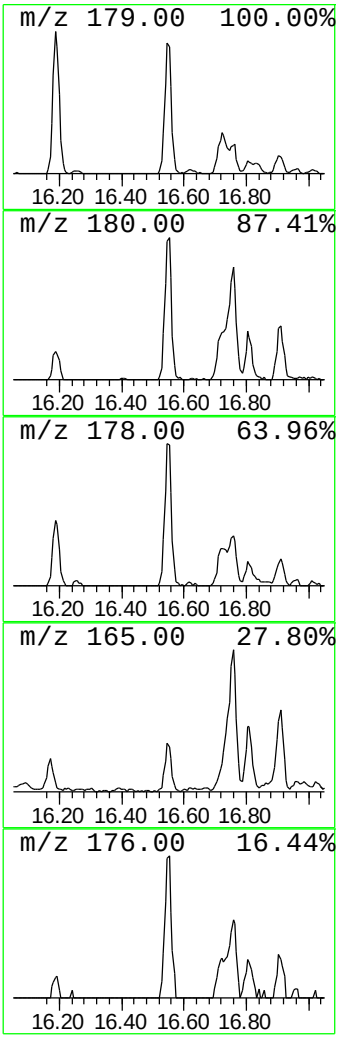
Peak Number 24 Anthracene, 9,10-dihydro- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.55	7.11 ng/ul	122730	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
2	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	95
3	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	94
4	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	72
5	(E)-Stilbene	180	C14H12	000103-30-0	64





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Acq On : 27 Dec 2015 11:21
Operator : UM/SJ
Sample : G4846-14
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N60

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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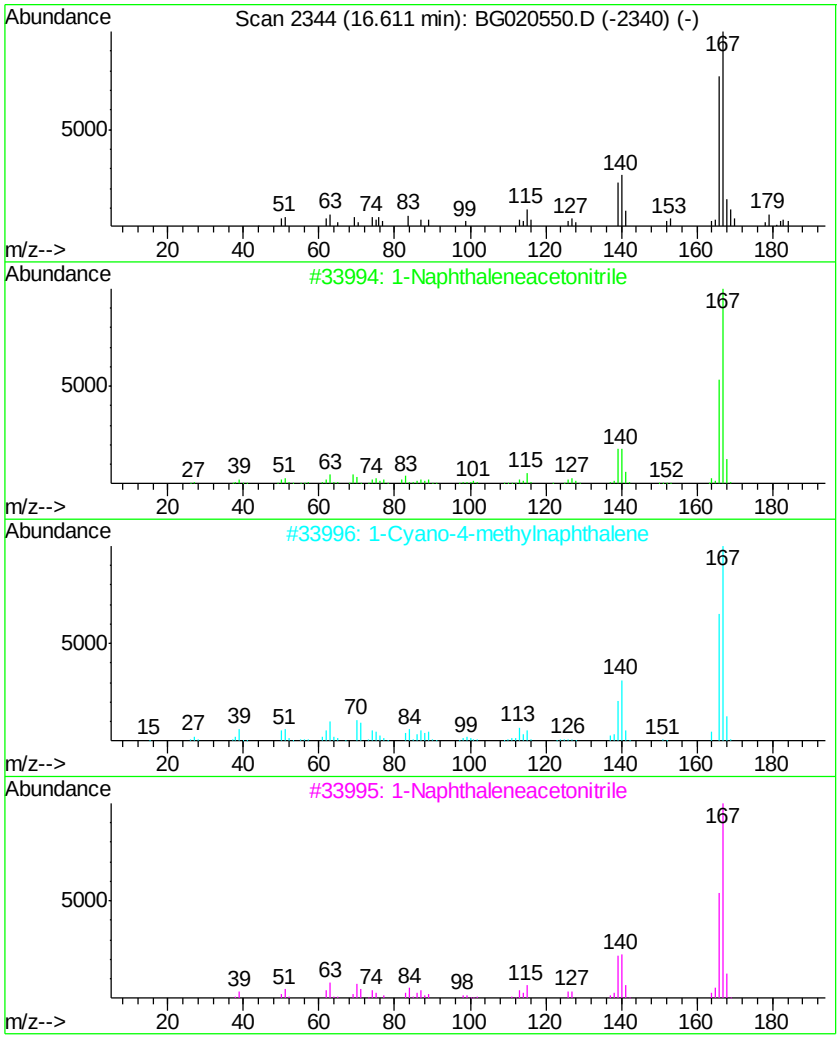
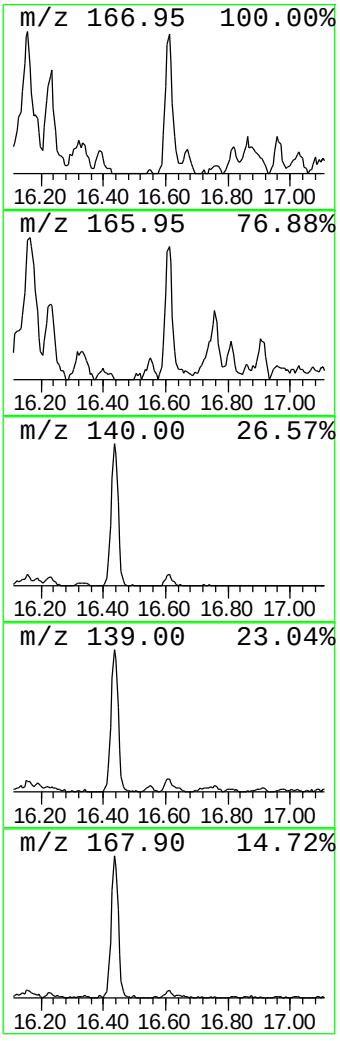
Peak Number 25 1-Naphthaleneacetonitrile Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.61	2.22 ng/ul	38266	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthaleneacetonitrile	167	C12H9N	000132-75-2	93
2	1-Cyano-4-methylnaphthalene	167	C12H9N	036062-93-8	80
3	1-Naphthaleneacetonitrile	167	C12H9N	000132-75-2	70
4	2-[1-Naphthyl]-3-oxobutyronitrile	209	C14H11NO	031573-38-3	50
5	Acetonitrile, 2-(2-azulenyl)-	167	C12H9N	054798-12-8	50





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Acq On : 27 Dec 2015 11:21
Operator : UM/SJ
Sample : G4846-14
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N60

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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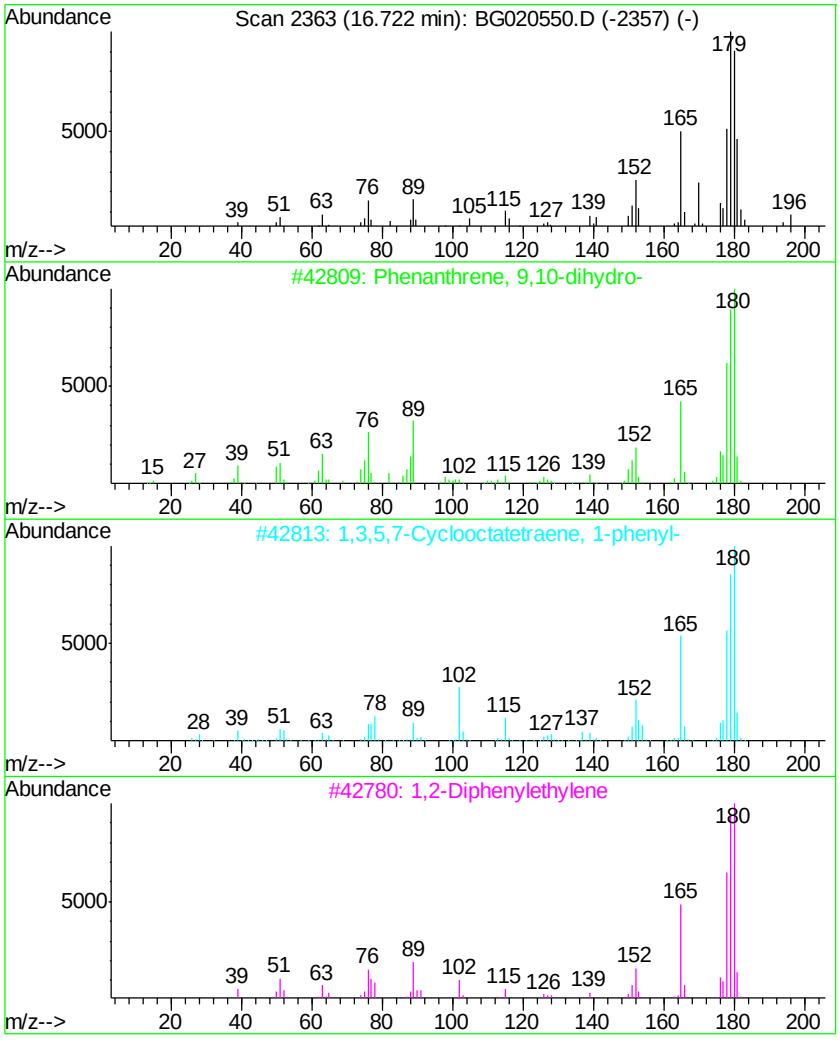
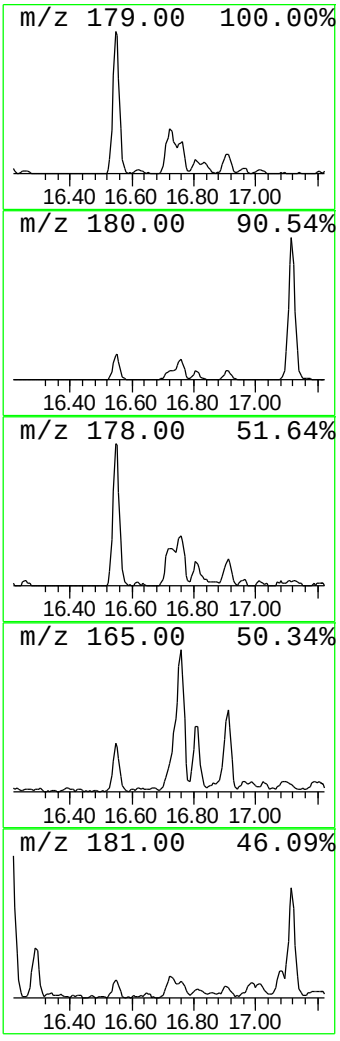
Peak Number 26 Phenanthrene, 9,10-dihydro- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.72	3.31 ng/ul	57166	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	93
2	1,3,5,7-Cyclooctatetraene, 1-phe...	180	C14H12	004603-00-3	83
3	1,2-Diphenylethylene	180	C14H12	000588-59-0	64
4	(E)-Stilbene	180	C14H12	000103-30-0	64
5	cis-Stilbene	180	C14H12	000645-49-8	64





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Sample : G4846-14
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N60

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Quant Title : SVOA CALIBRATION

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

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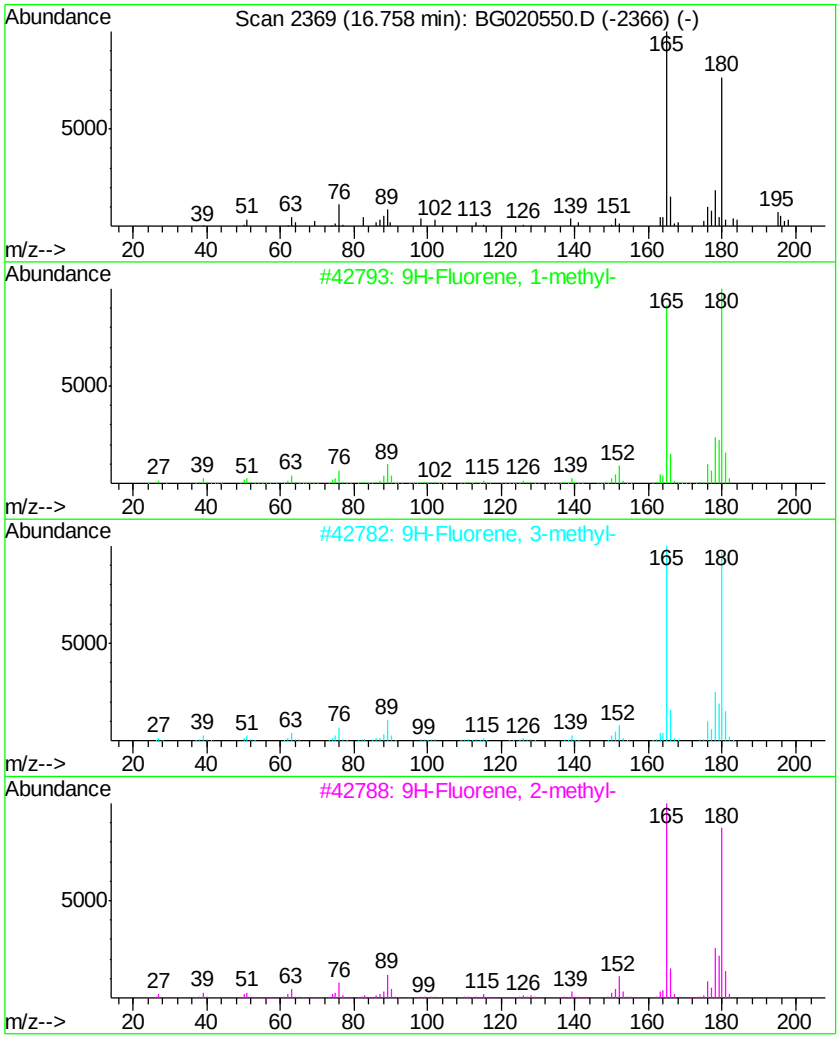
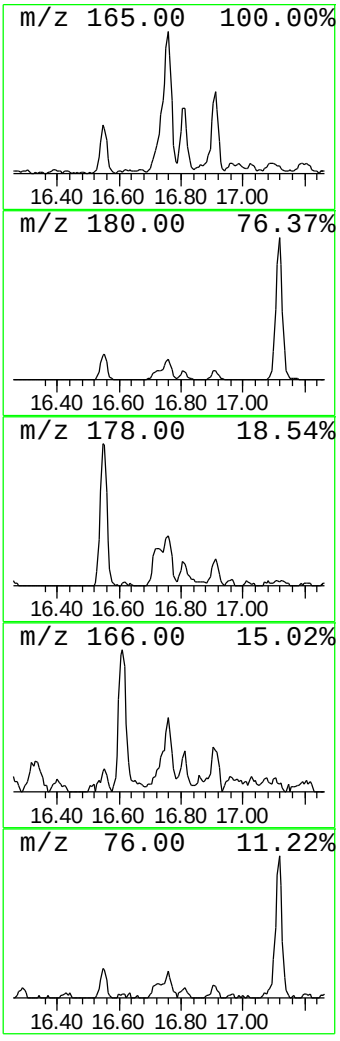
Peak Number 27 9H-Fluorene, 1-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	5.12 ng/ul	88342	Phenanthrene-d10	17.46

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





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Acq On : 27 Dec 2015 11:21
Operator : UM/SJ
Sample : G4846-14
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N60

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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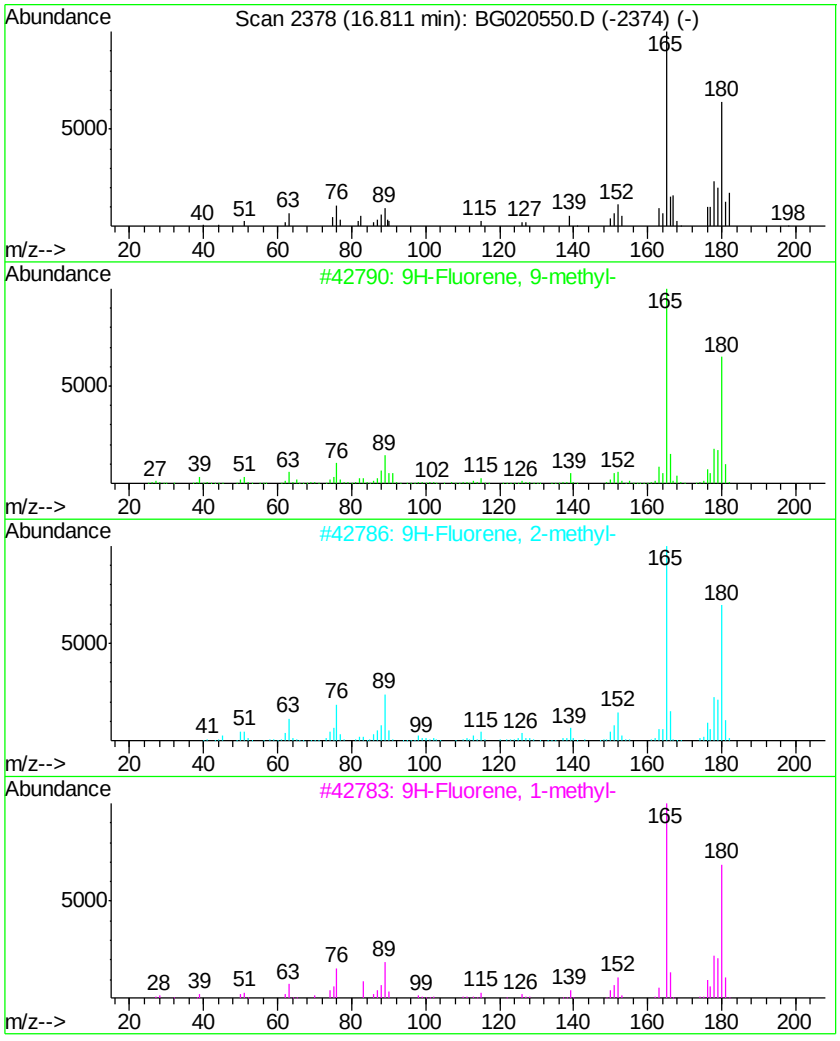
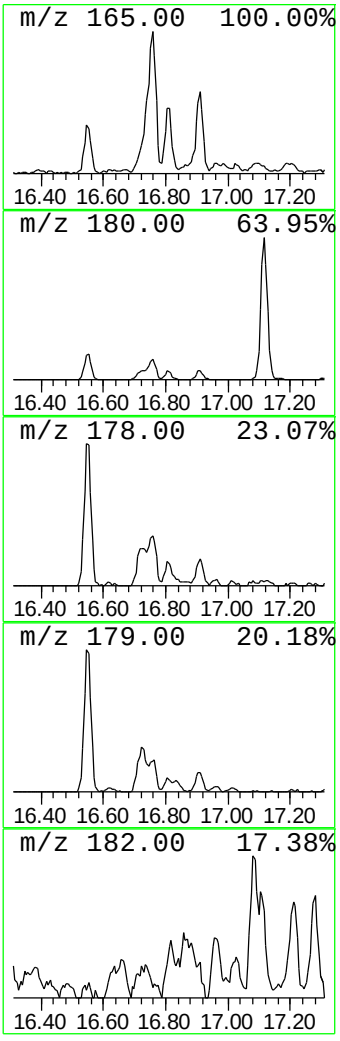
Peak Number 28 9H-Fluorene, 9-methyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.81	2.26 ng/ul	39055	Phenanthrene-d10	17.46

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





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Acq On : 27 Dec 2015 11:21
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Sample : G4846-14
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ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N60

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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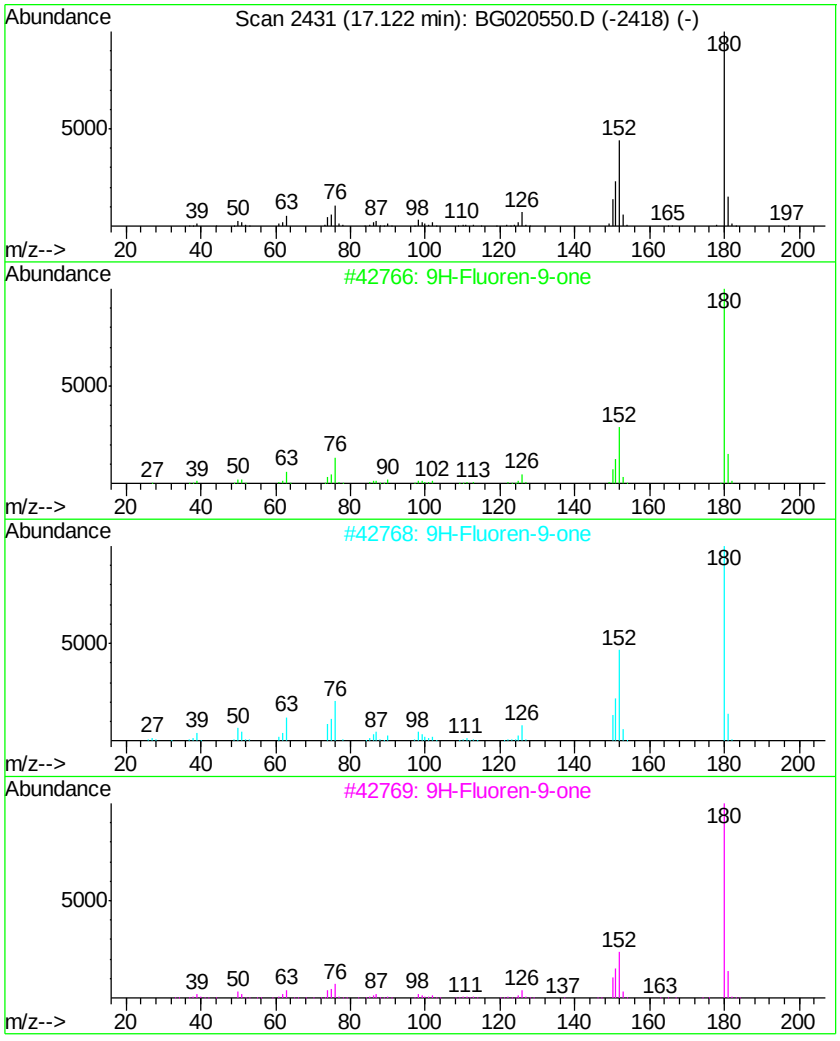
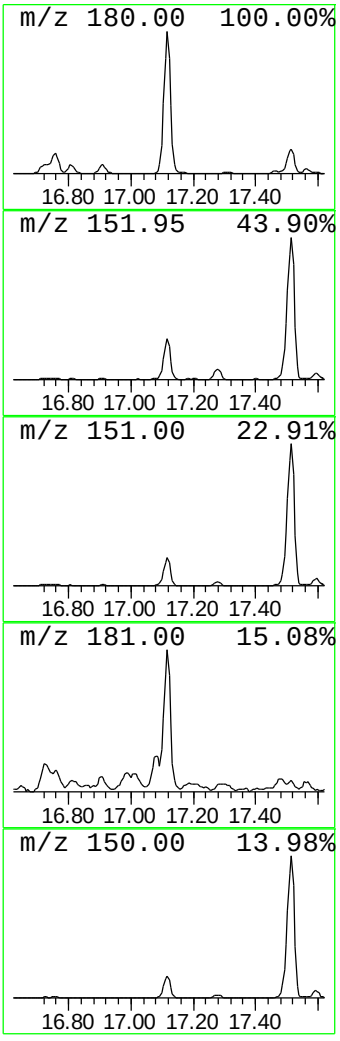
Peak Number 30 9H-Fluoren-9-one Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.12	22.38 ng/ul	386223	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	86





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Sample : G4846-14
Misc :
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Instrument : BNA_G
ClientSampleId : D9N60

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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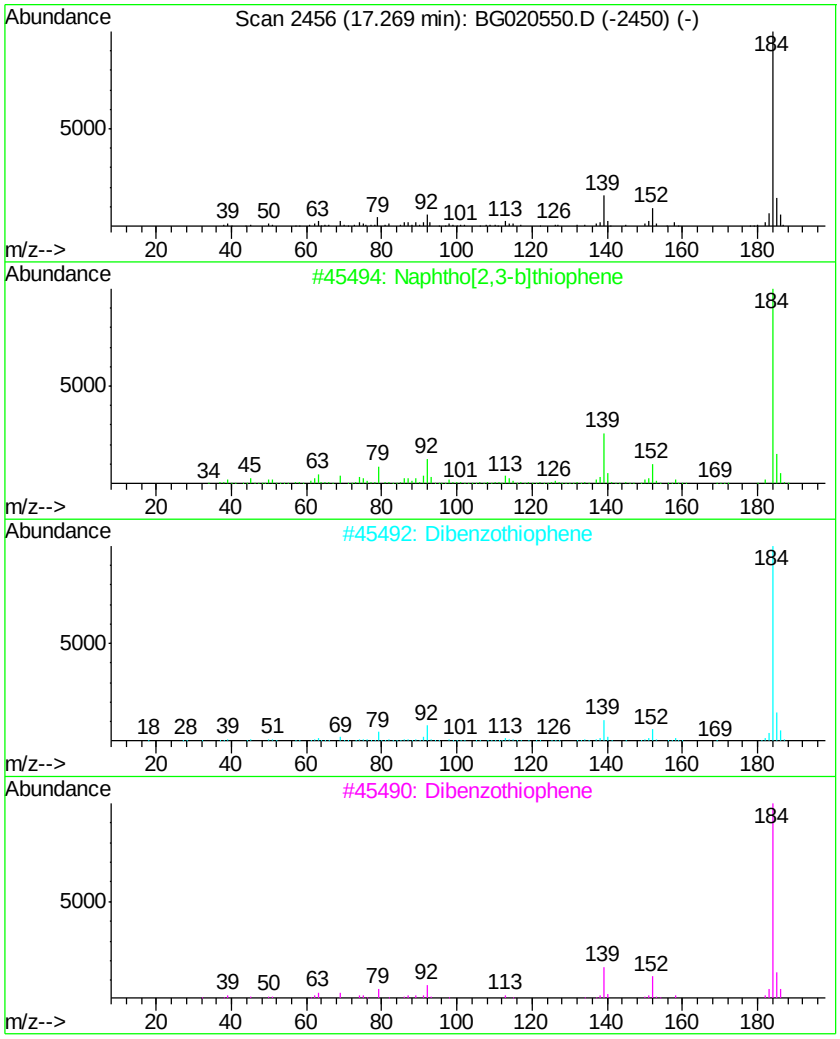
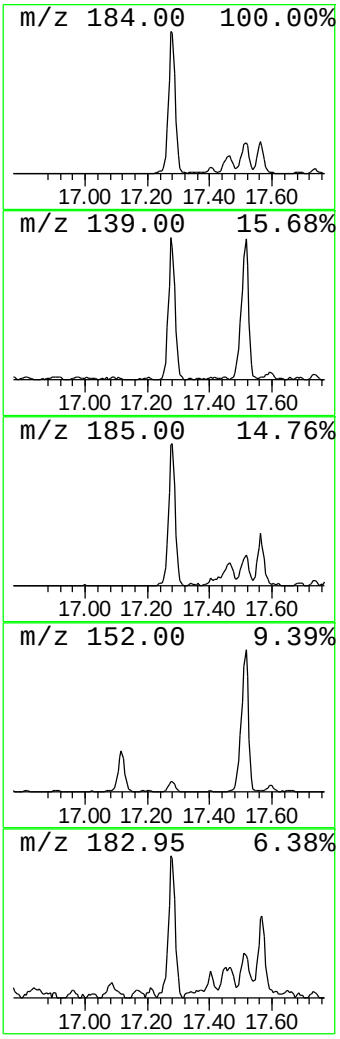
Peak Number 31 Naphtho[2,3-b]thiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.27	22.20 ng/ul	383006	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Dibenzothiophene	184	C12H8S	000132-65-0	93
5	Dibenzothiophene	184	C12H8S	000132-65-0	91





Tentatively Identified Compound (LSC) summary

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Data File : BG020550.D
Acq On : 27 Dec 2015 11:21
Operator : UM/SJ
Sample : G4846-14
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N60

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.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...	3.17	8.6	ng/ul	45972	1	8.07	107033	20.0
Benzofuran	7.80	7.0	ng/ul	37226	1	8.07	107033	20.0
Indane	8.45	13.9	ng/ul	74494	1	8.07	107033	20.0
Benzene, 1-propynyl-	8.62	93.9	ng/ul	502682	1	8.07	107033	20.0
Naphthalene, 1-me...	12.77	3.3	ng/ul	1453810	2	10.91	8891860	20.0
Quinoline, 8-methyl-	13.19	2.8	ng/ul	34994	3	14.71	250113	20.0
Naphthalene, 1-et...	13.74	16.5	ng/ul	205846	3	14.71	250113	20.0
Naphthalene, 2,6-...	13.88	18.9	ng/ul	236189	3	14.71	250113	20.0
Naphthalene, 2,3-...	14.03	25.3	ng/ul	316746	3	14.71	250113	20.0
Naphthalene, 1,7-...	14.30	2.8	ng/ul	34358	3	14.71	250113	20.0
2-Naphthalenecarb...	14.85	65.3	ng/ul	817031	3	14.71	250113	20.0
1-Isopropenylnaph...	15.02	10.0	ng/ul	125570	3	14.71	250113	20.0
Vinyl trans-cinna...	15.19	8.0	ng/ul	100486	3	14.71	250113	20.0
Naphthalene, 1,6,...	15.32	3.4	ng/ul	41915	3	14.71	250113	20.0
Naphthalene, 2,3,...	15.38	2.8	ng/ul	35327	3	14.71	250113	20.0
Acetamide, N-cycl...	15.92	17.4	ng/ul	217136	3	14.71	250113	20.0
1,1'-Biphenyl, 2-...	16.01	7.4	ng/ul	92157	3	14.71	250113	20.0
Dibenzofuran, 4-m...	16.05	13.9	ng/ul	173430	3	14.71	250113	20.0
1(2H)-Acenaphthyl...	16.43	8.1	ng/ul	139411	4	17.46	345100	20.0
Anthracene, 9,10-...	16.55	7.1	ng/ul	122730	4	17.46	345100	20.0
1-Naphthaleneacet...	16.61	2.2	ng/ul	38266	4	17.46	345100	20.0
Phenanthrene, 9,1...	16.72	3.3	ng/ul	57166	4	17.46	345100	20.0
9H-Fluorene, 1-me...	16.76	5.1	ng/ul	88342	4	17.46	345100	20.0
9H-Fluorene, 9-me...	16.81	2.3	ng/ul	39055	4	17.46	345100	20.0
9H-Fluoren-9-one	17.12	22.4	ng/ul	386223	4	17.46	345100	20.0
Naphtho[2,3-b]thi...	17.27	22.2	ng/ul	383006	4	17.46	345100	20.0