LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020284.D
Acq On : 18 Dec 2015 20:52
Operator : UM/SJ
Sample : G4768-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29

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-BG121415.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	3.120	42	48	57	rBV	43863	84847	0.82%	0.160%
2	3.197	57	61	69	rVB	24562	35016	0.34%	0.066%
3	7.409	771	778	787	rBV	59115	95745	0.93%	0.181%
4	7.621	808	814	822	rBB	62795	101309	0.98%	0.191%
5	7.738	826	834	841	rBB2	19940	32999	0.32%	0.062%
6	8.091	888	894	901	rBV	62144	103493	1.00%	0.195%
7	8.467	952	958	965	rBV	54547	89422	0.87%	0.169%
8	8.631	979	986	996	rVB	171062	295710	2.87%	0.558%
9	8.790	1007	1013	1022	rVB	52621	89499	0.87%	0.169%
10	9.260	1087	1093	1104	rVB2	77775	150301	1.46%	0.284%
11	9.577	1138	1147	1154	rBV	31100	65419	0.63%	0.123%
12	9.989	1209	1217	1225	rBB	65929	118355	1.15%	0.223%
13	10.306	1265	1271	1273	rBV3	36215	67805	0.66%	0.128%
14	10.400	1282	1287	1292	rBV	28576	58239	0.56%	0.110%
15	10.529	1301	1309	1317	rBV3	123655	249077	2.41%	0.470%
16	10.999	1367	1389	1395	rBV	4069276	10316602	100.00%	19.475%
17	11.087	1395	1404	1411	rVB	238993	405462	3.93%	0.765%
18	12.456	1631	1637	1646	rVV	53714	91428	0.89%	0.173%
19	12.574	1646	1657	1663	rVV	1982439	3494808	33.88%	6.597%
20	12.680	1667	1675	1681	rVV	67630	126592	1.23%	0.239%
21	12.785	1681	1693	1703	rVB	1275085	2196145	21.29%	4.146%
22	13.561	1818	1825	1832	rBV	662255	1032547	10.01%	1.949%
23	13.755	1852	1858	1870	rVV	113270	227641	2.21%	0.430%
24	13.902	1871	1883	1890	rVV2	119309	316559	3.07%	0.598%
25	14.043	1900	1907	1912	rBV	215567	396901	3.85%	0.749%
26	14.096	1912	1916	1918	rVV	132254	190247	1.84%	0.359%
27	14.125	1918	1921	1927	rVV	226035	344806	3.34%	0.651%
28	14.284	1942	1948	1951	rBV	85591	139104	1.35%	0.263%
29	14.313	1951	1953	1959	rVB2	34007	45537	0.44%	0.086%
30	14.419	1964	1971	1973	rBV	222744	340360	3.30%	0.643%
31	14.448	1973	1976	1984	rVB	304459	456243	4.42%	0.861%
32	14.701	2012	2019	2021	rBV	112510	177384	1.72%	0.335%
33	14.730	2021	2024	2029	rVV2	143750	227140	2.20%	0.429%
34	14.806	2029	2037	2042	rVV	3250914	5646710	54.73%	10.660%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020284.D
Acq On : 18 Dec 2015 20:52
Operator : UM/SJ
Sample : G4768-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29

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-BG121415.M
Title : SVOA CALIBRATION

35	14.865	2042	2047	2052	rVV	555098	866174	8.40%	1.635%
36	14.918	2052	2056	2065	rVV4	27719	59992	0.58%	0.113%
37	15.036	2071	2076	2080	rVV	67015	108371	1.05%	0.205%
38	15.130	2085	2092	2099	rVV2	1775868	2995192	29.03%	5.654%
39	15.194	2099	2103	2111	rVB3	25983	46127	0.45%	0.087%
40	15.329	2118	2126	2132	rBV3	22284	44214	0.43%	0.083%
41	15.406	2132	2139	2148	rVV4	15247	44438	0.43%	0.084%
42	15.682	2181	2186	2187	rVV2	20603	32586	0.32%	0.062%
43	15.717	2187	2192	2196	rVV	307822	476763	4.62%	0.900%
44	15.782	2196	2203	2208	rVV	1875647	3001330	29.09%	5.666%
45	15.829	2208	2211	2215	rVV	90927	155217	1.50%	0.293%
46	15.864	2215	2217	2219	rVV2	51376	67225	0.65%	0.127%
47	15.893	2219	2222	2225	rVV2	96644	158498	1.54%	0.299%
48	15.935	2225	2229	2234	rVV2	139954	248378	2.41%	0.469%
49	15.982	2234	2237	2240	rVV2	43880	72898	0.71%	0.138%
50	16.017	2240	2243	2247	rVV	64370	103966	1.01%	0.196%
51	16.064	2247	2251	2259	rVV	121622	183624	1.78%	0.347%
52	16.205	2259	2275	2285	rVV4	169546	425182	4.12%	0.803%
53	16.440	2306	2315	2322	rVB5	21992	42034	0.41%	0.079%
54	16.563	2329	2336	2341	rBV	125366	186275	1.81%	0.352%
55	16.616	2341	2345	2358	rVB3	28438	69234	0.67%	0.131%
56	16.734	2358	2365	2367	rBV3	38751	78837	0.76%	0.149%
57	16.769	2368	2371	2376	rVV	63321	99920	0.97%	0.189%
58	16.822	2376	2380	2387	rVB4	25502	43270	0.42%	0.082%
59	16.922	2390	2397	2401	rVB2	32258	51224	0.50%	0.097%
60	17.121	2420	2431	2438	rVB	104282	175456	1.70%	0.331%
61	17.286	2454	2459	2467	rVB	246764	374889	3.63%	0.708%
62	17.474	2477	2491	2493	rBV	214627	382361	3.71%	0.722%
63	17.527	2493	2500	2504	rVB	2536098	4085838	39.60%	7.713%
64	17.574	2504	2508	2512	rBV	480392	705239	6.84%	1.331%
65	17.662	2518	2523	2532	rVB3	36694	68842	0.67%	0.130%
66	17.879	2548	2560	2567	rBV	1496212	2552112	24.74%	4.818%
67	18.114	2596	2600	2604	rVV	34355	61507	0.60%	0.116%
68	18.161	2604	2608	2613	rVV5	25284	39325	0.38%	0.074%
69	18.343	2635	2639	2642	rBV	68064	90090	0.87%	0.170%
70	18.391	2642	2647	2652	rVB2	319002	476292	4.62%	0.899%
71	18.461	2652	2659	2665	rVB5	32026	78320	0.76%	0.148%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020284.D
Acq On : 18 Dec 2015 20:52
Operator : UM/SJ
Sample : G4768-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29

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-BG121415.M
Title : SVOA CALIBRATION

72	18.543	2665	2673	2682	rBV2	207683	376204	3.65%	0.710%
73	18.637	2682	2689	2693	rBV2	131640	242608	2.35%	0.458%
74	18.684	2693	2697	2701	rVV	164320	223653	2.17%	0.422%
75	18.720	2701	2703	2706	rVV2	31676	33352	0.32%	0.063%
76	18.778	2708	2713	2718	rVV	169367	246968	2.39%	0.466%
77	18.831	2718	2722	2726	rVB2	57378	87507	0.85%	0.165%
78	18.884	2726	2731	2734	rBV3	82628	119529	1.16%	0.226%
79	18.919	2734	2737	2746	rVB4	30818	65232	0.63%	0.123%
80	19.043	2748	2758	2761	rBV3	30907	61873	0.60%	0.117%
81	19.148	2771	2776	2781	rVB5	22064	49987	0.48%	0.094%
82	19.354	2806	2811	2815	rVV3	28806	45802	0.44%	0.086%
83	19.519	2832	2839	2844	rVB	512165	724580	7.02%	1.368%
84	19.613	2851	2855	2859	rVB	42573	55521	0.54%	0.105%
85	19.712	2867	2872	2877	rBV5	34864	76429	0.74%	0.144%
86	19.765	2878	2881	2885	rVV2	24022	35495	0.34%	0.067%
87	19.854	2889	2896	2898	rBV	486734	765349	7.42%	1.445%
88	19.877	2898	2900	2907	rVB	313194	423974	4.11%	0.800%
89	20.253	2959	2964	2969	rVB	250015	335271	3.25%	0.633%
90	20.312	2969	2974	2980	rBV	117533	178637	1.73%	0.337%
91	20.465	2994	3000	3004	rVV3	28102	48855	0.47%	0.092%
92	20.929	3073	3079	3082	rVV	40535	64456	0.62%	0.122%
93	20.970	3082	3086	3096	rVB	57638	95632	0.93%	0.181%
94	21.316	3134	3145	3148	rBV2	39932	70941	0.69%	0.134%
95	21.352	3148	3151	3158	rVV4	64114	105951	1.03%	0.200%
96	21.740	3208	3217	3224	rBV2	306585	578564	5.61%	1.092%
97	22.157	3283	3288	3296	rVB	32001	57732	0.56%	0.109%
98	22.380	3318	3326	3336	rBV	97329	203905	1.98%	0.385%
99	24.789	3725	3736	3746	rBV	226444	622332	6.03%	1.175%
100	25.018	3763	3775	3787	rBV2	143679	415469	4.03%	0.784%

Sum of corrected areas: 52972500

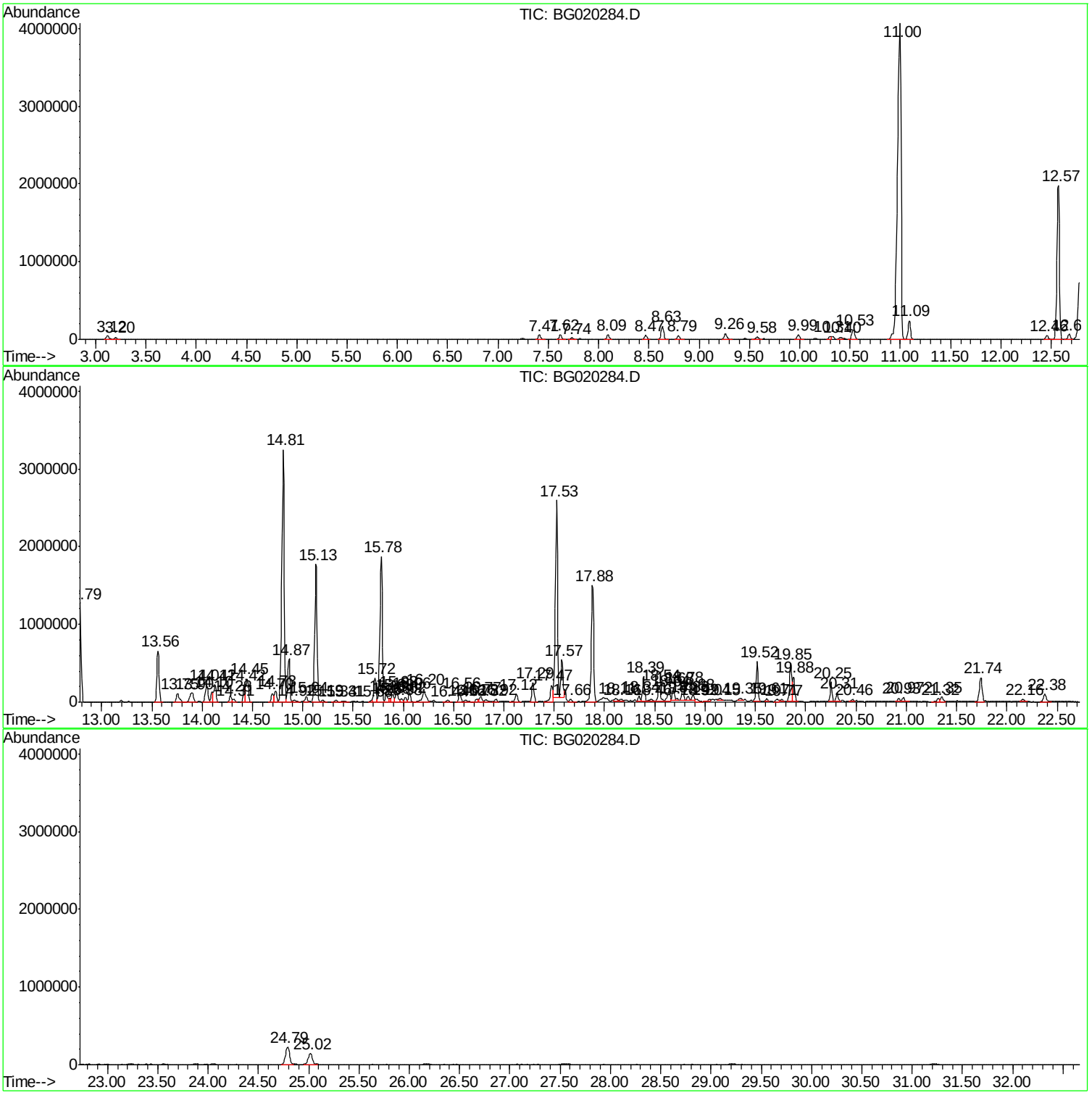
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020284.D
Acq On : 18 Dec 2015 20:52
Operator : UM/SJ
Sample : G4768-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020284.D
Acq On : 18 Dec 2015 20:52
Operator : UM/SJ
Sample : G4768-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

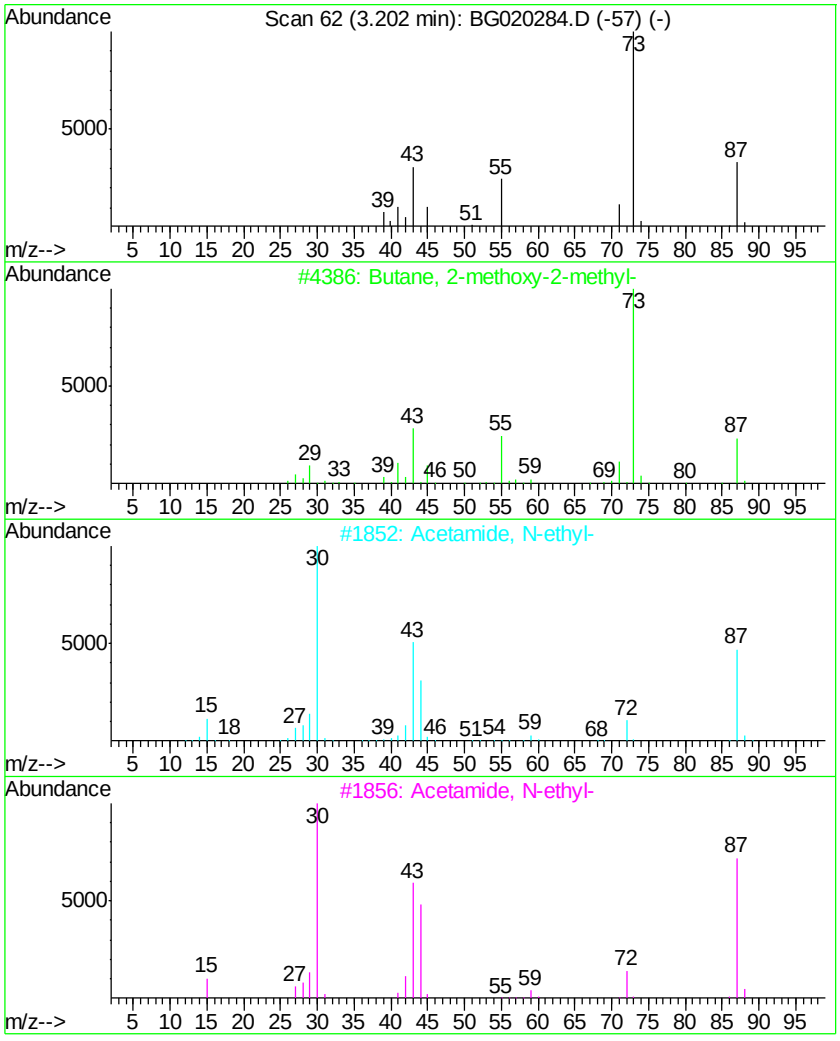
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

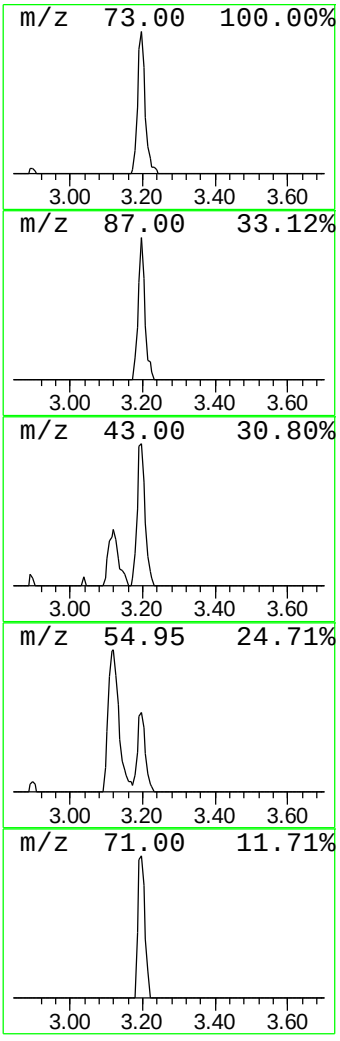
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.20	6.77 ng/ul	35016	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
2	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	16
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020284.D
Acq On : 18 Dec 2015 20:52
Operator : UM/SJ
Sample : G4768-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

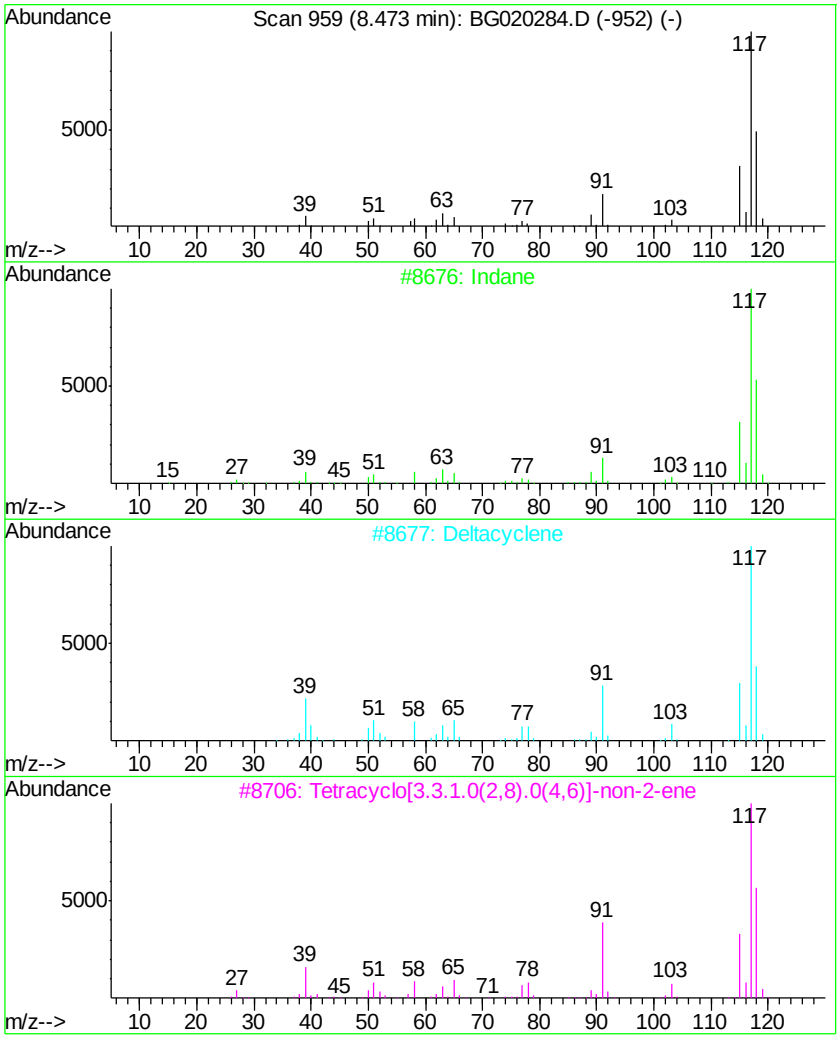
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

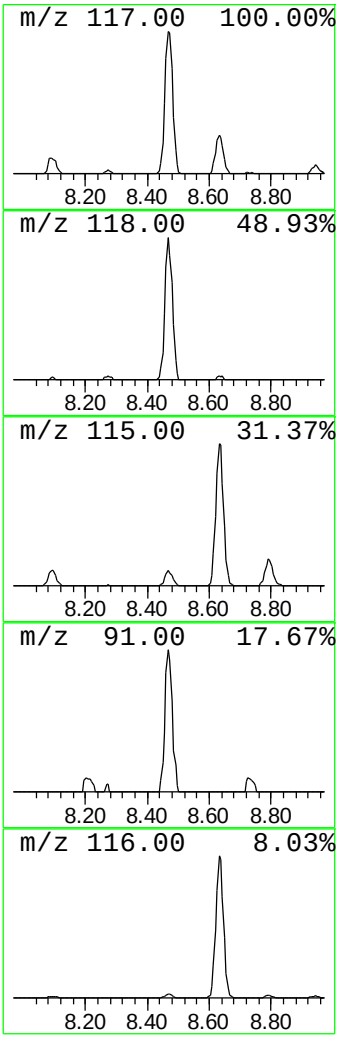
****

Peak Number 4 Indane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.47	17.28 ng/ul	89422	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Deltacyclene	118	C9H10	007785-10-6	74
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	72
4	Indane	118	C9H10	000496-11-7	64
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020284.D
Acq On : 18 Dec 2015 20:52
Operator : UM/SJ
Sample : G4768-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

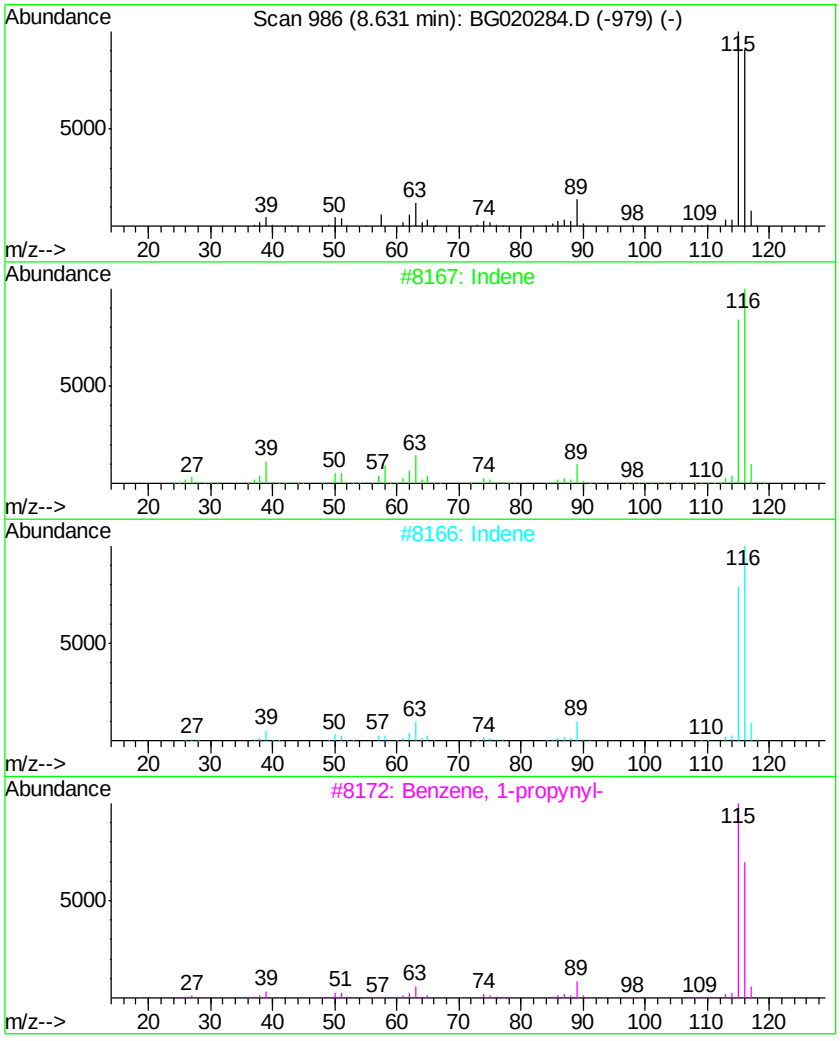
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

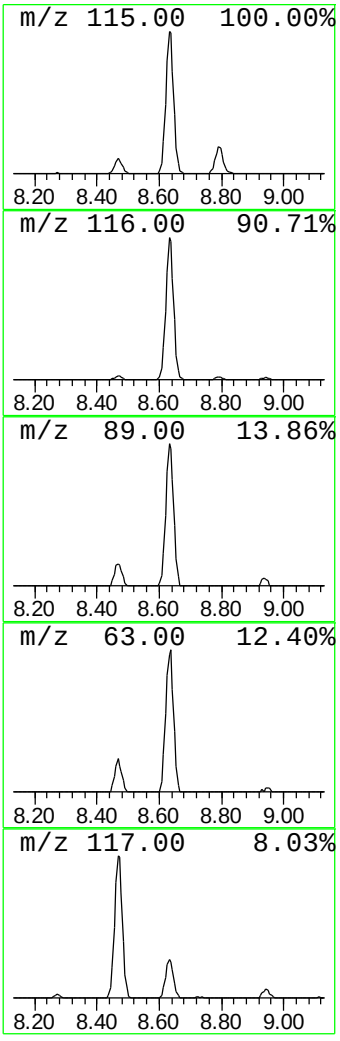
****

Peak Number 5 Indene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.63	57.15 ng/ul	295710	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Indene	116	C9H8	000095-13-6	95
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	95
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020284.D
Acq On : 18 Dec 2015 20:52
Operator : UM/SJ
Sample : G4768-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

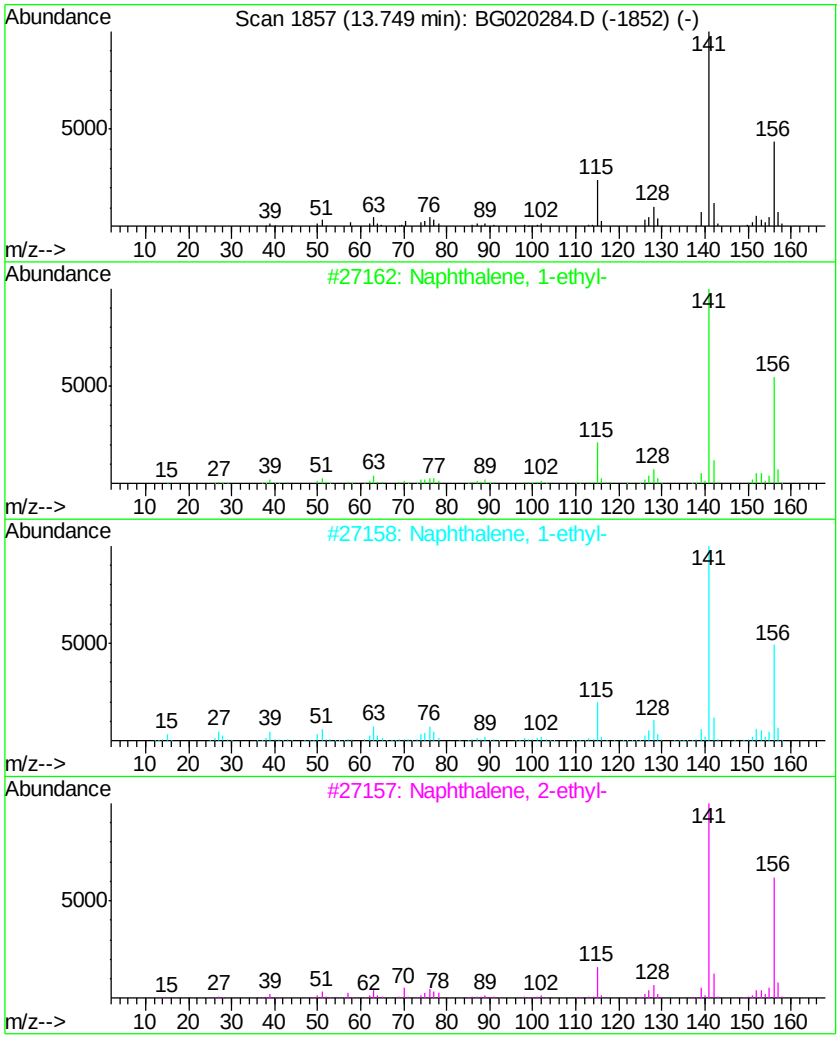
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

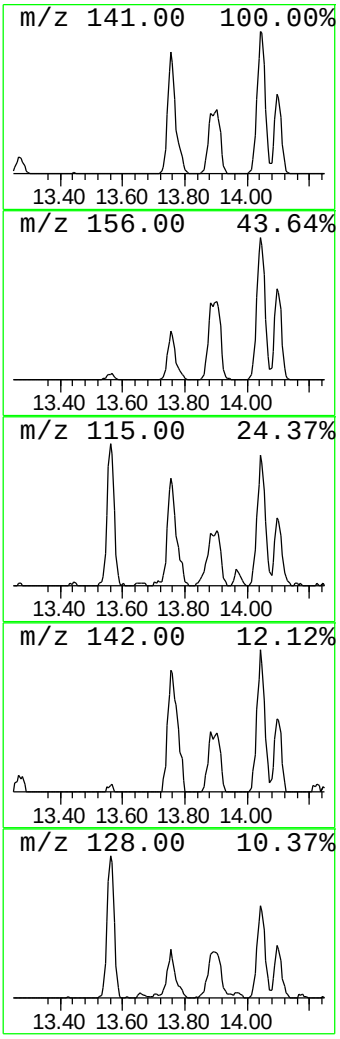
****

Peak Number 6 Naphthalene, 1-ethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	20.04 ng/ul	227641	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	93





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020284.D
Acq On : 18 Dec 2015 20:52
Operator : UM/SJ
Sample : G4768-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

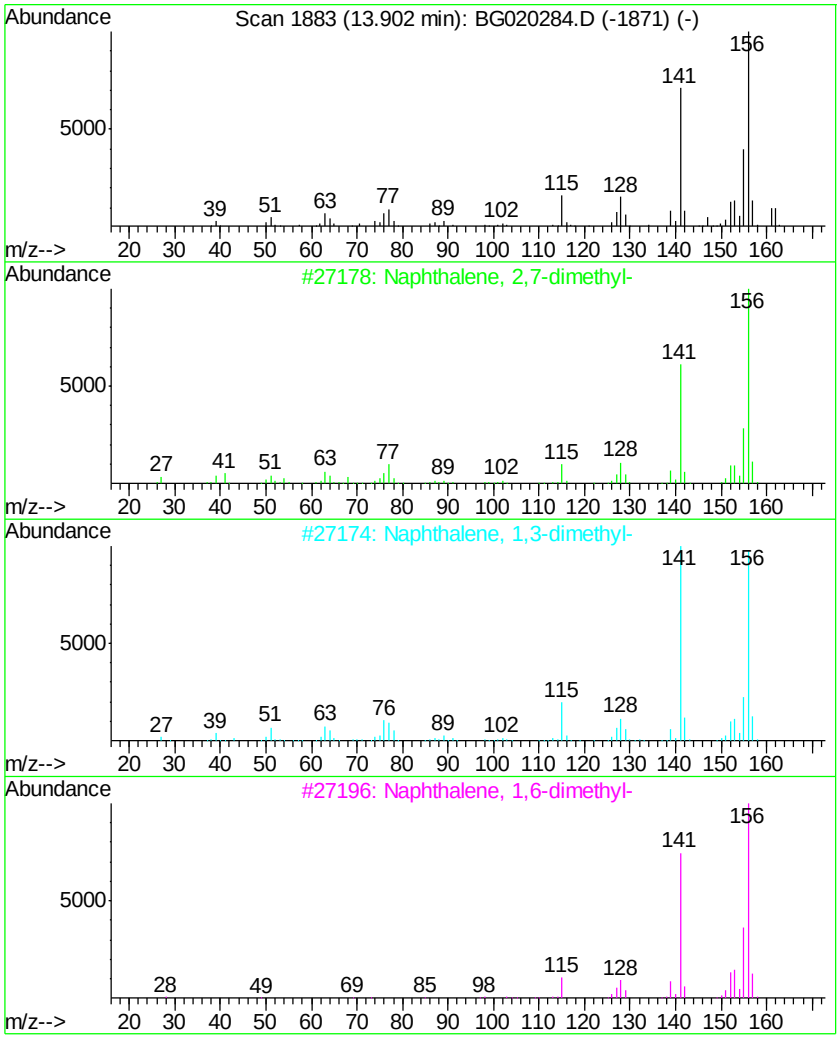
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

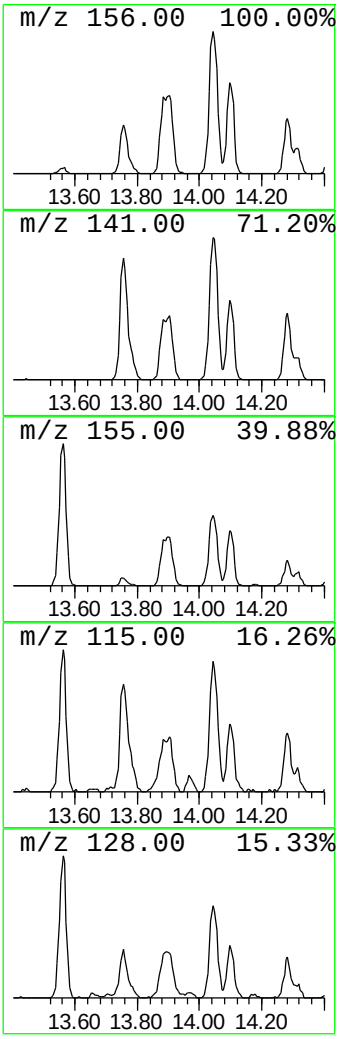
****

Peak Number 7 Naphthalene, 2,7-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	27.87 ng/ul	316559	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020284.D
Acq On : 18 Dec 2015 20:52
Operator : UM/SJ
Sample : G4768-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29

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Quant Title : SVOA CALIBRATION

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

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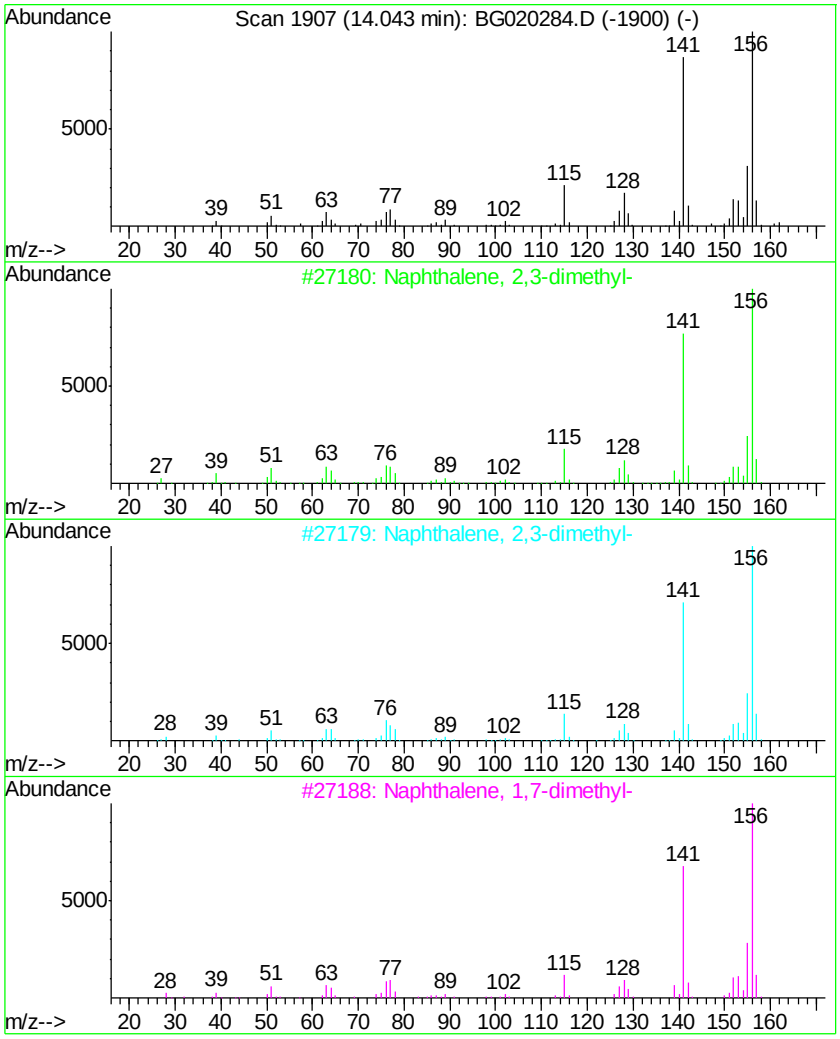
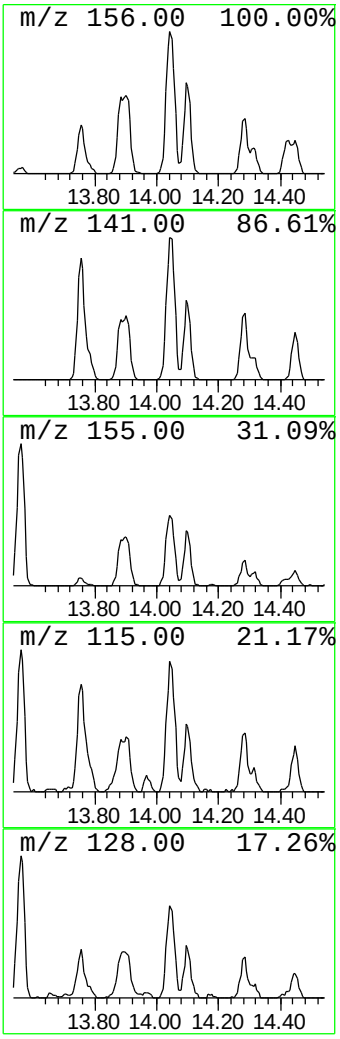
Peak Number 8 Naphthalene, 2,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	34.95 ng/ul	396901	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97





Library Search Compound Report

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Acq On : 18 Dec 2015 20:52
Operator : UM/SJ
Sample : G4768-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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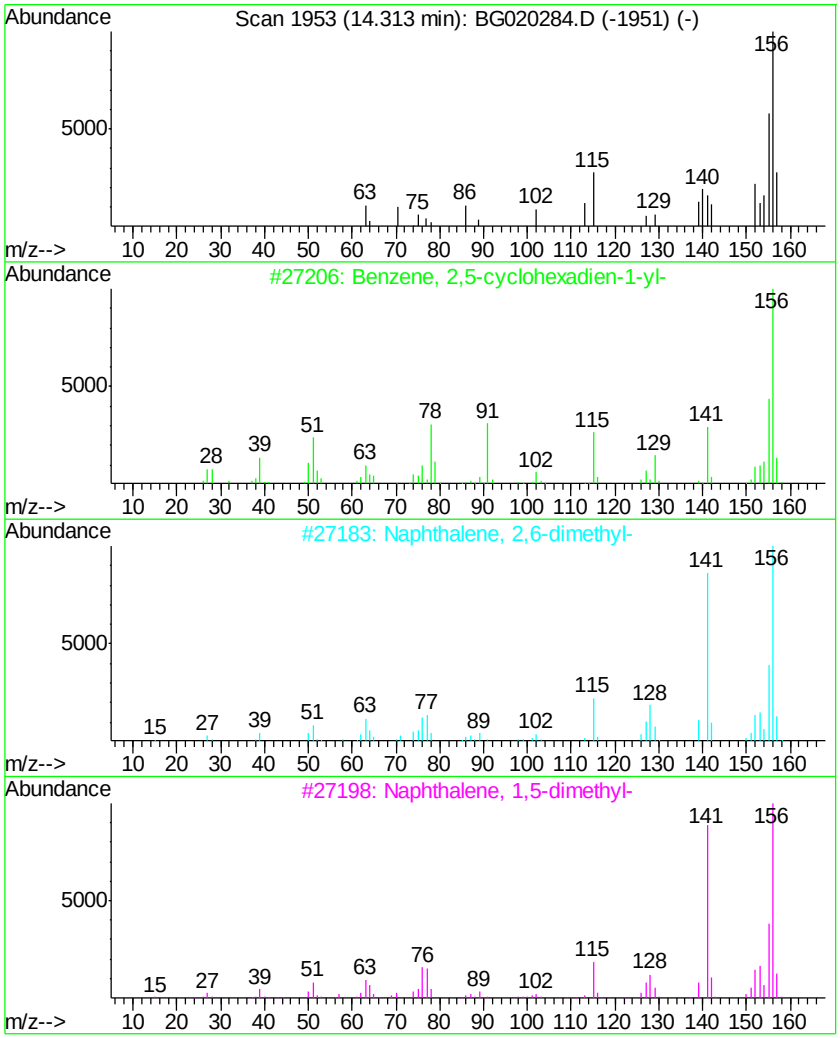
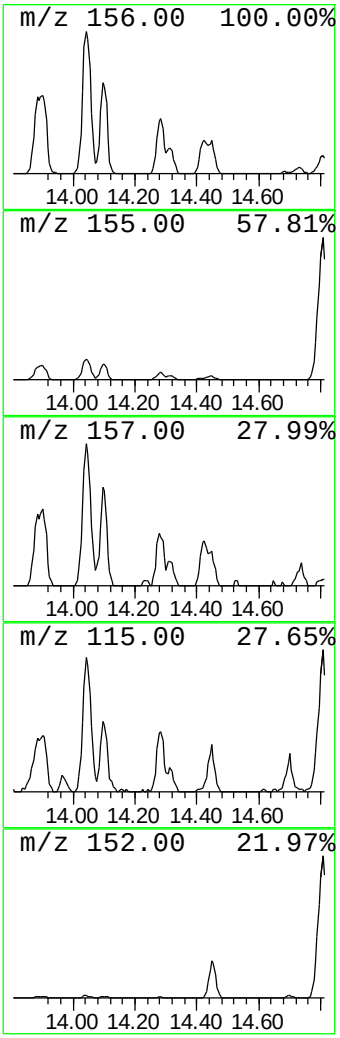
Peak Number 10 Benzene, 2,5-cyclohexadien-... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.31	4.01 ng/ul	45537	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2,5-cyclohexadien-1-yl-	156	C12H12	004794-05-2	52
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	50
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	50
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	50
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	47





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Sample : G4768-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29

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Quant Title : SVOA CALIBRATION

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

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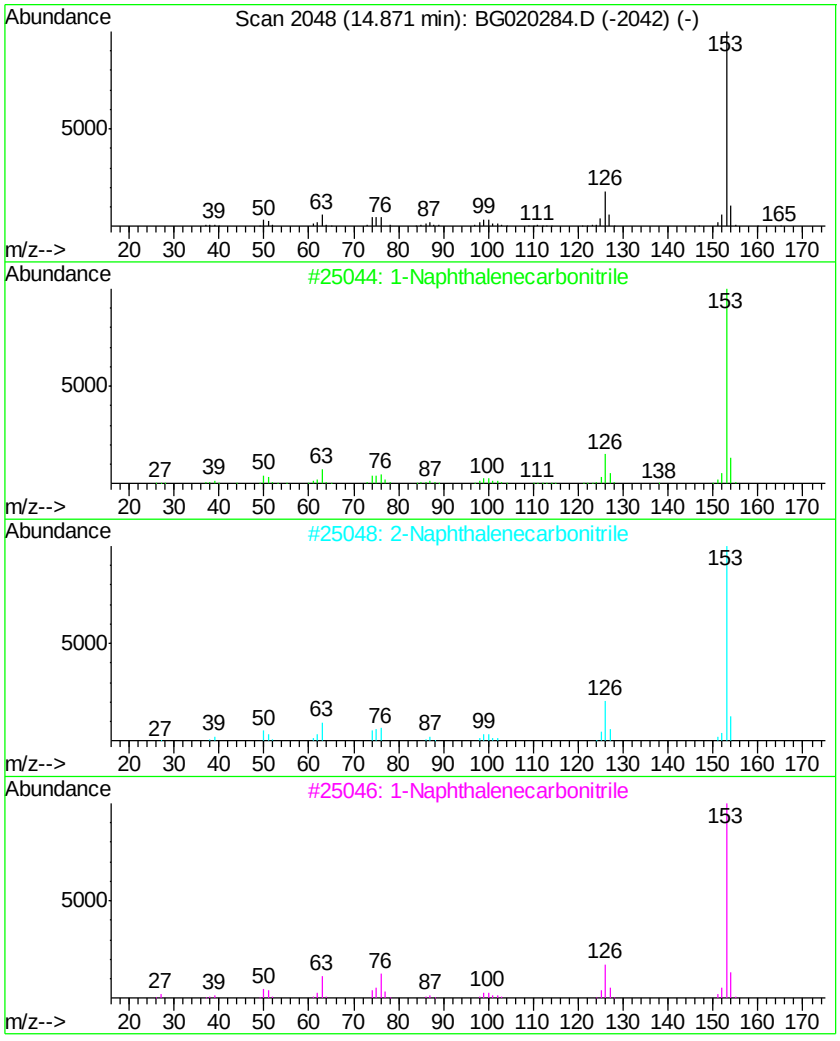
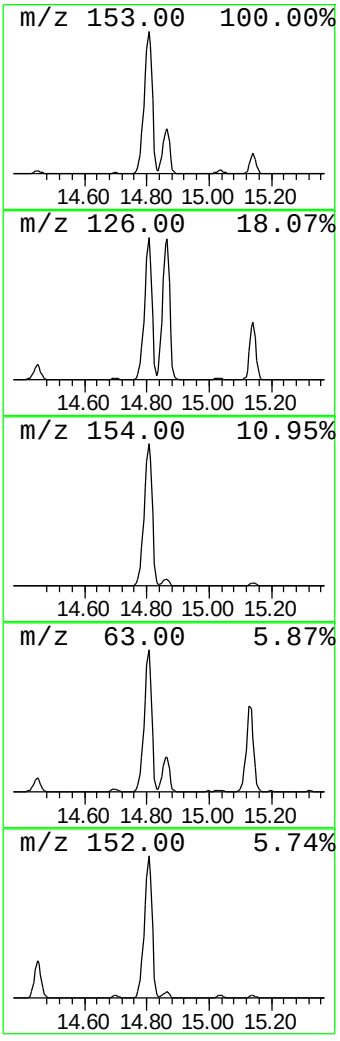
Peak Number 11 1-Naphthalenecarbonitrile Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	76.27 ng/ul	866174	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	97
2	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	94
3	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
4	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	91
5	Naphthalene, 1-isocyano-	153	C11H7N	001984-04-9	83





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Instrument : BNA_G
ClientSampleId : D9N29

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Quant Title : SVOA CALIBRATION

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

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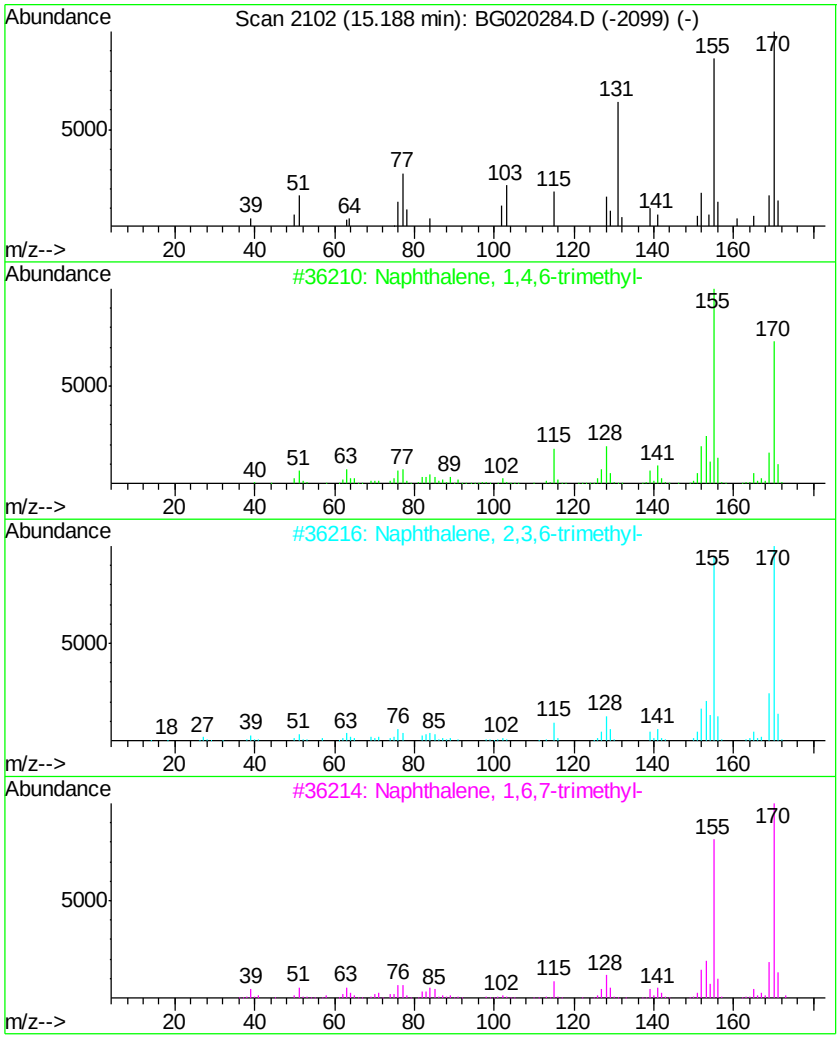
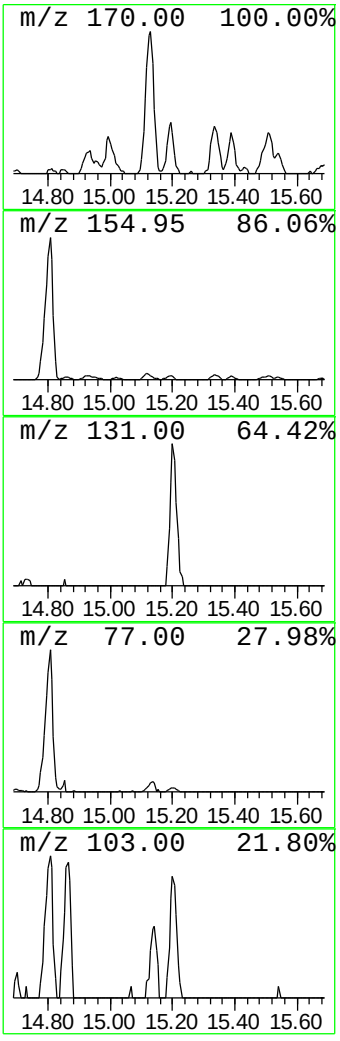
Peak Number 13 Naphthalene, 1,4,6-trimethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	4.06 ng/ul	46127	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	91
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	87





Library Search Compound Report

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Sample : G4768-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29

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Quant Title : SVOA CALIBRATION

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

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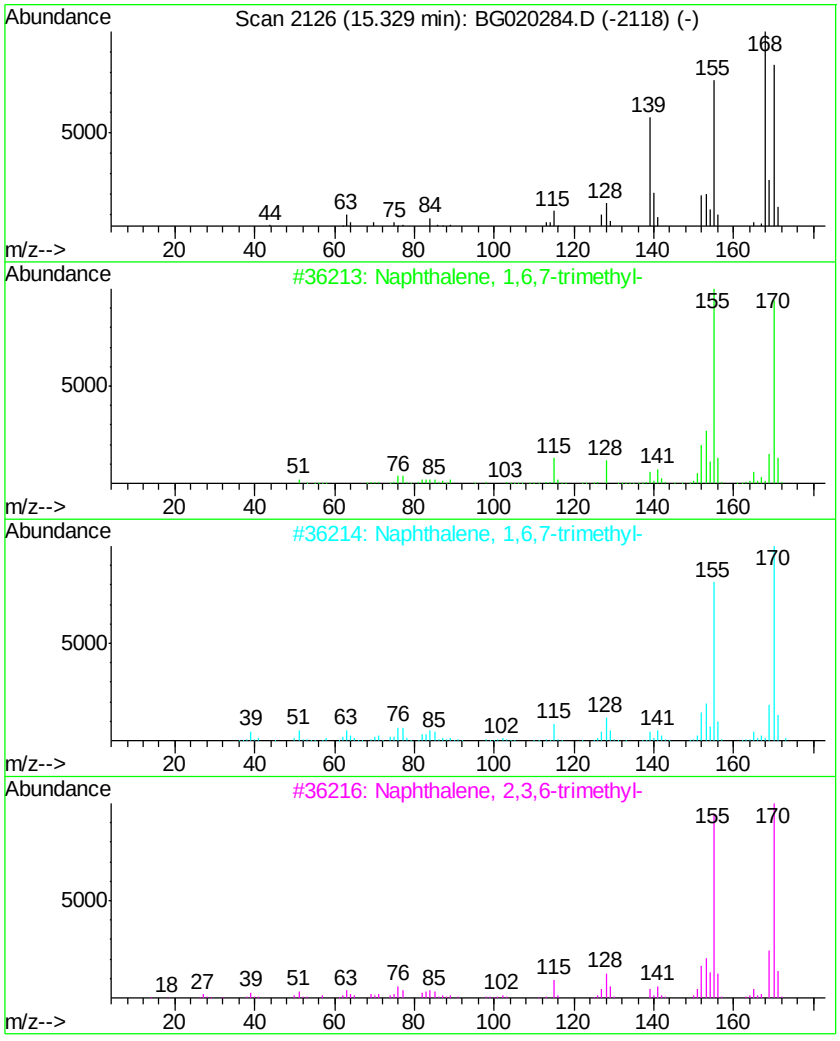
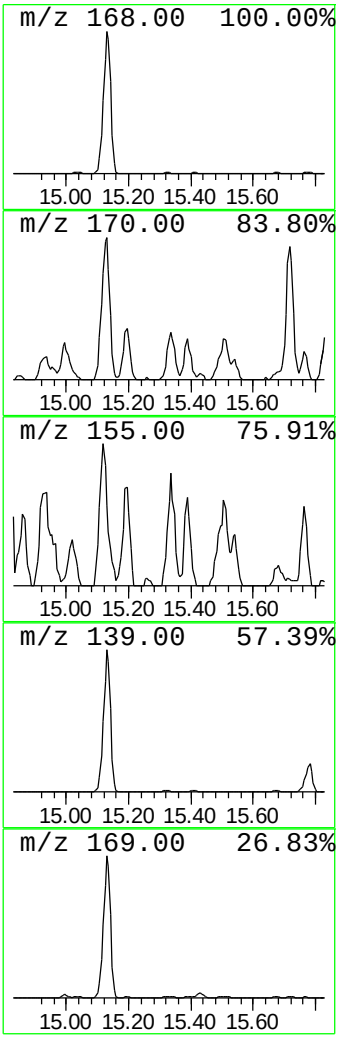
Peak Number 14 Naphthalene, 1,6,7-trimethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	3.89 ng/ul	44214	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	90
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	90
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	90
5	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	78





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Sample : G4768-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29

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Quant Title : SVOA CALIBRATION

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

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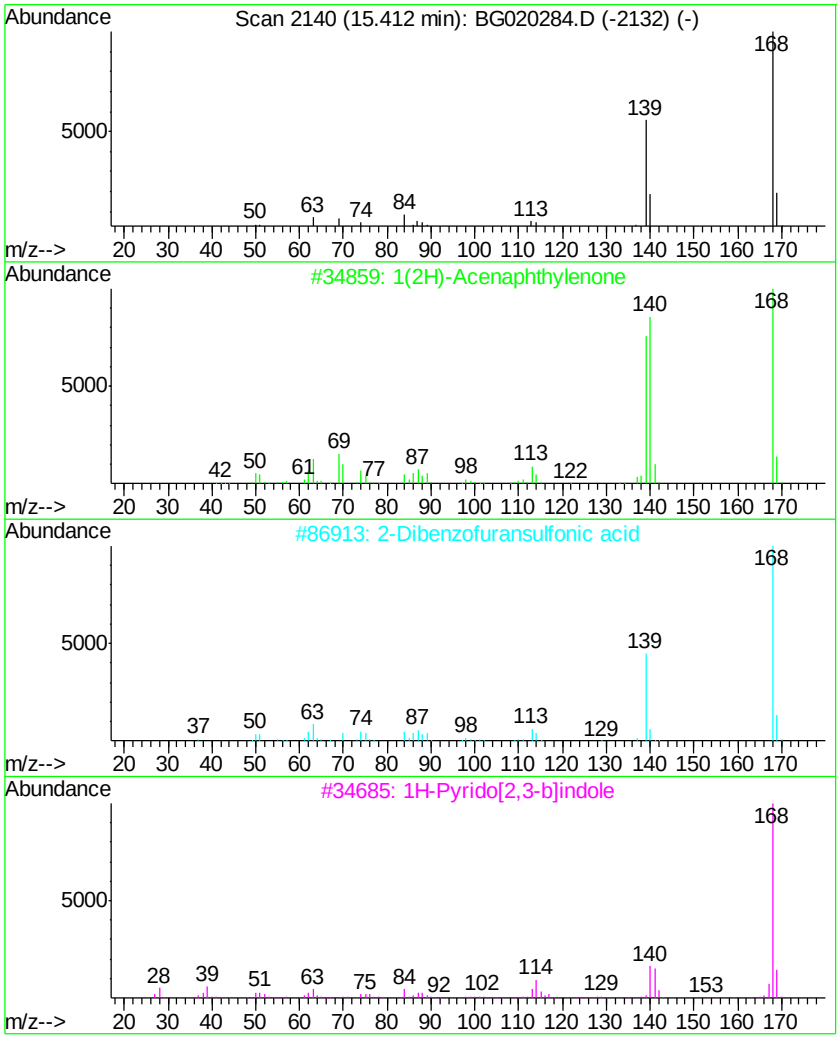
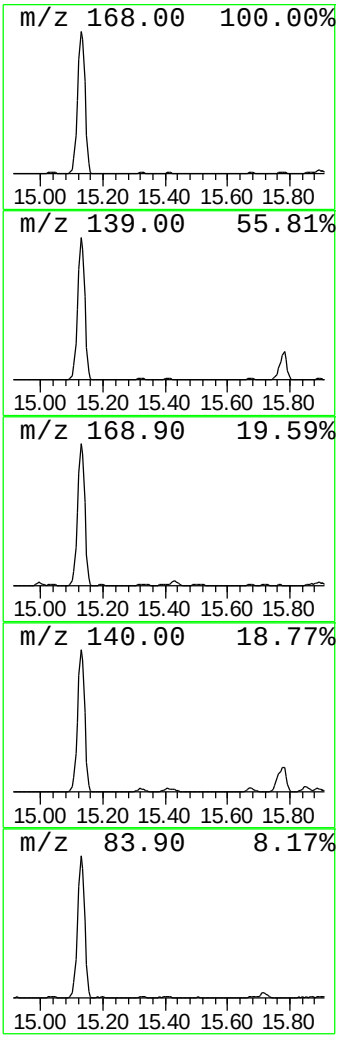
Peak Number 15 1(2H)-Acenaphthylenone Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.41	3.91 ng/ul	44438	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	58
2	2-Dibenzofuransulfonic acid	248	C12H8O4S	083863-63-2	50
3	1H-Pyrido[2,3-b]indole	168	C11H8N2	000244-76-8	47
4	Naphtho[2,1-d]imidazole	168	C11H8N2	000233-53-4	47
5	Dibenzofuran	168	C12H8O	000132-64-9	45





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Operator : UM/SJ
Sample : G4768-05
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Instrument : BNA_G
ClientSampleId : D9N29

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Quant Title : SVOA CALIBRATION

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

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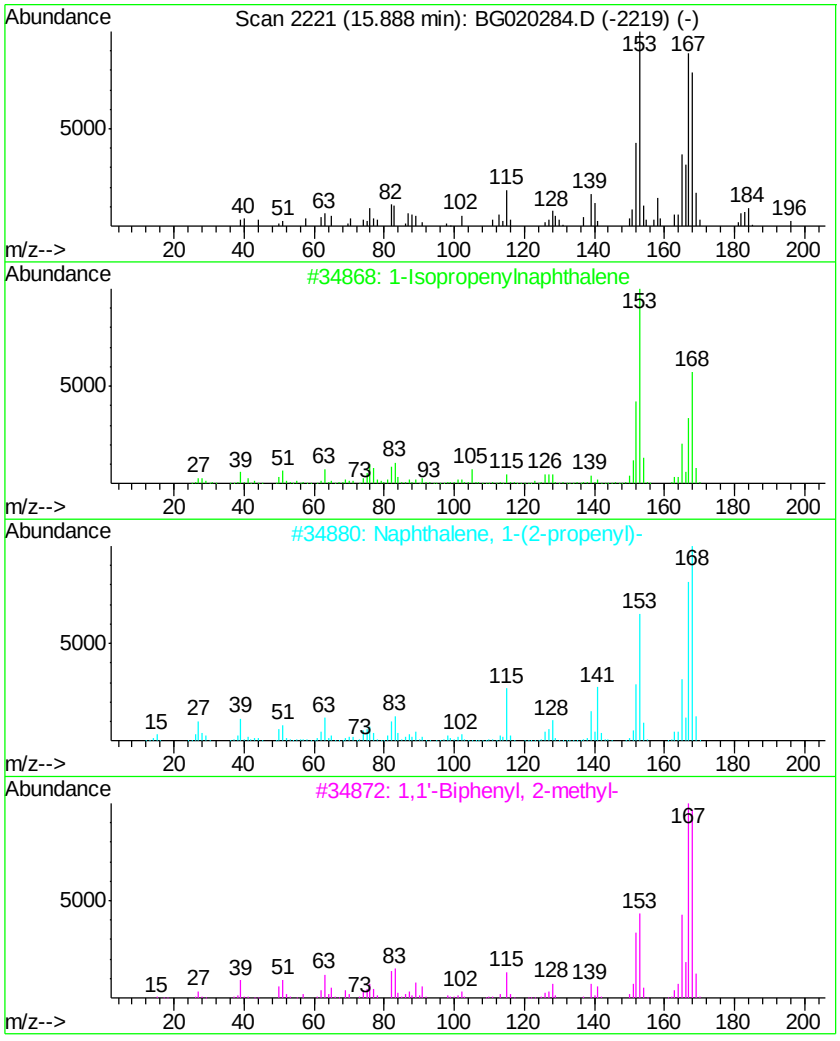
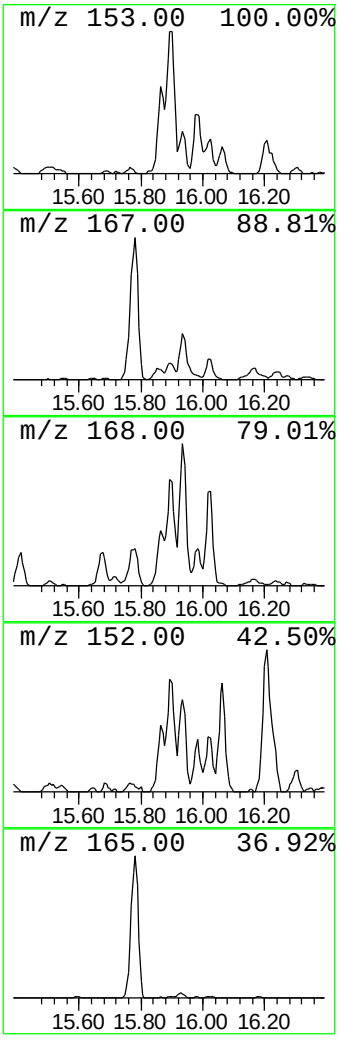
Peak Number 16 1-Isopropenylnaphthalene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.89	13.96 ng/ul	158498	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	81
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	68
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	59
4	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	58
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	50





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Quant Title : SVOA CALIBRATION

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

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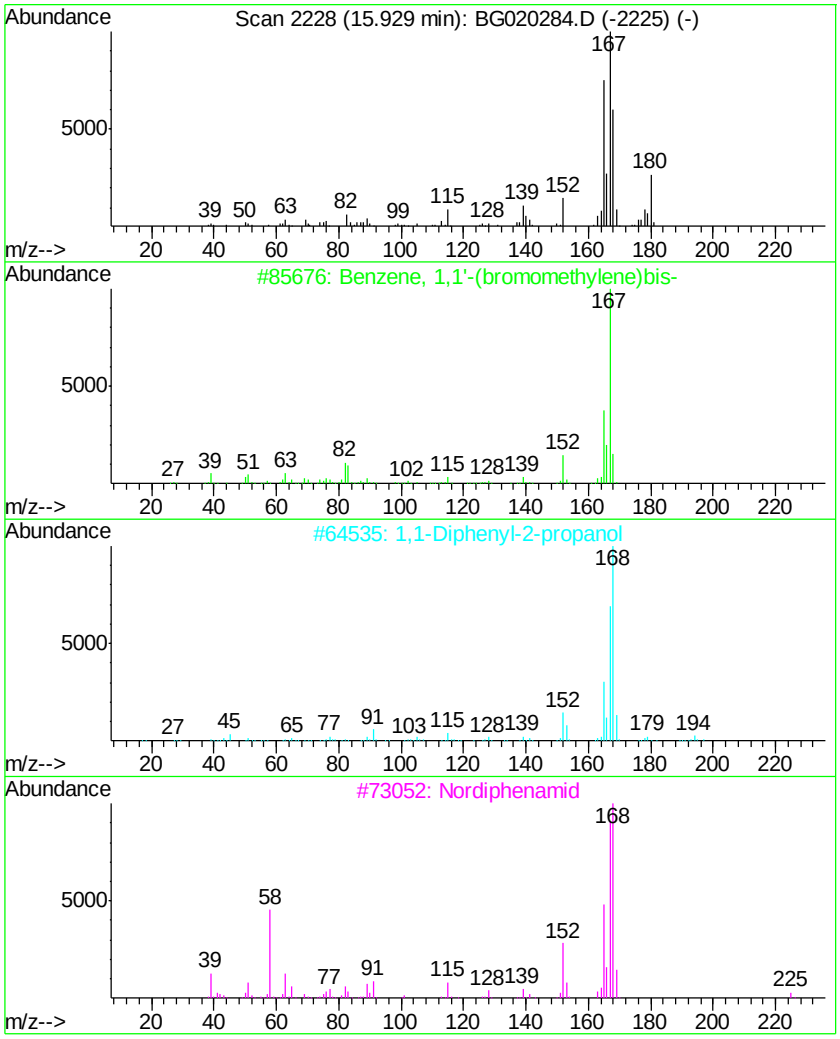
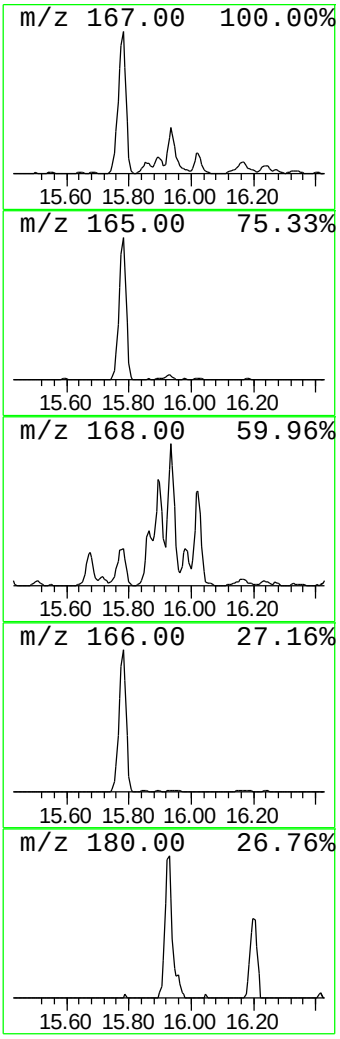
Peak Number 17 Benzene, 1,1'-(bromomethyle... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	21.87 ng/ul	248378	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	59
2	1,1-Diphenyl-2-propanol	212	C15H16O	029338-49-6	50
3	Nordiphenamid	225	C15H15NO	000954-21-2	50
4	Benzhydryl isothiocyanate	225	C14H11NS	003550-21-8	47
5	Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	47





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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29

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Quant Title : SVOA CALIBRATION

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

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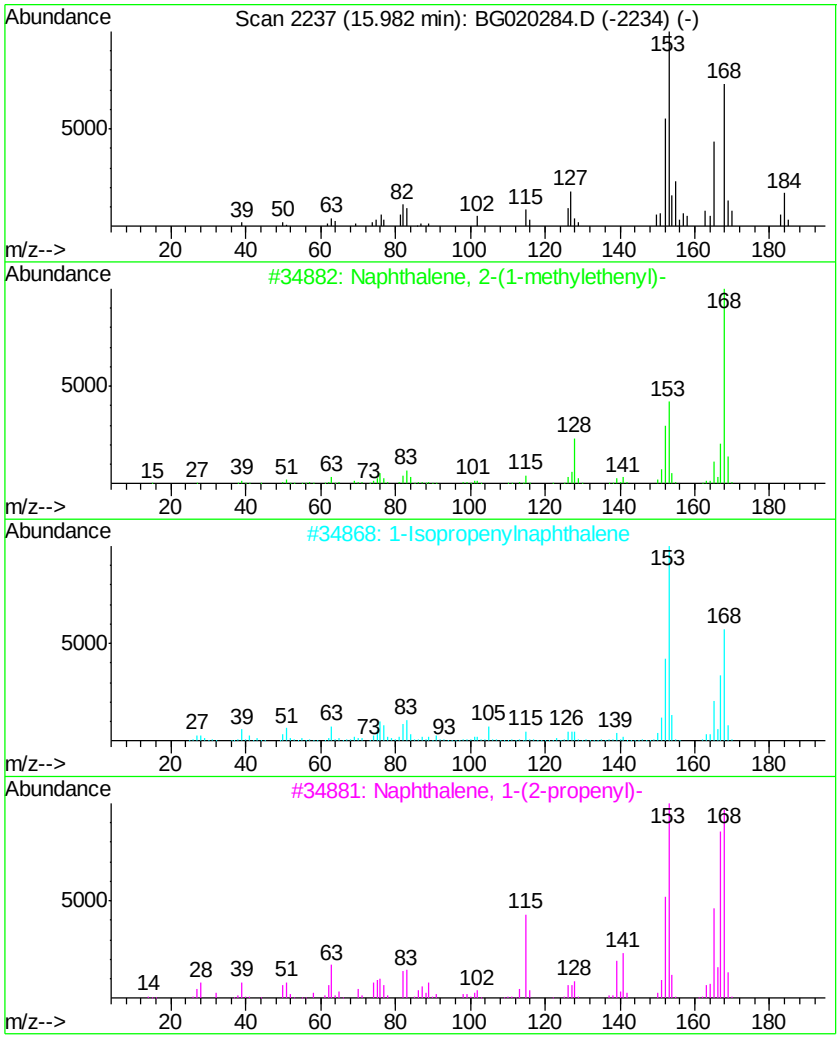
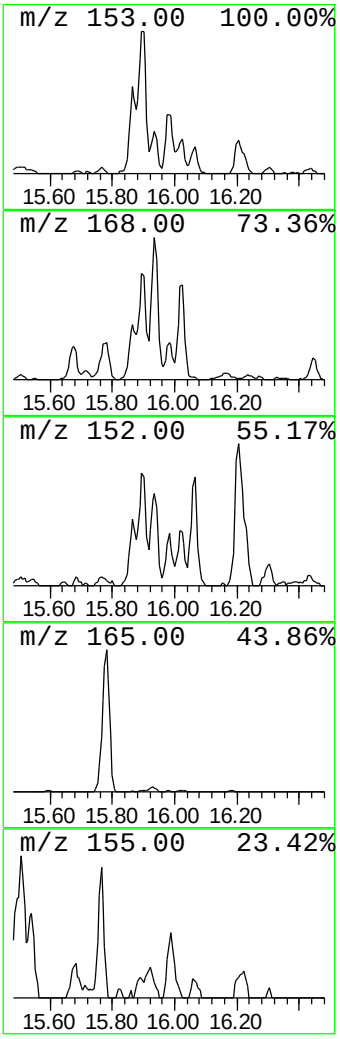
Peak Number 18 Naphthalene, 2-(1-methyleth... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.98	6.42 ng/ul	72898	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	76
2	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	58
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	53
4	1,1,4,4-Tetramethyl-1,4-disilacy...	168	C8H16Si2	020627-53-6	50
5	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	50





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Quant Title : SVOA CALIBRATION

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

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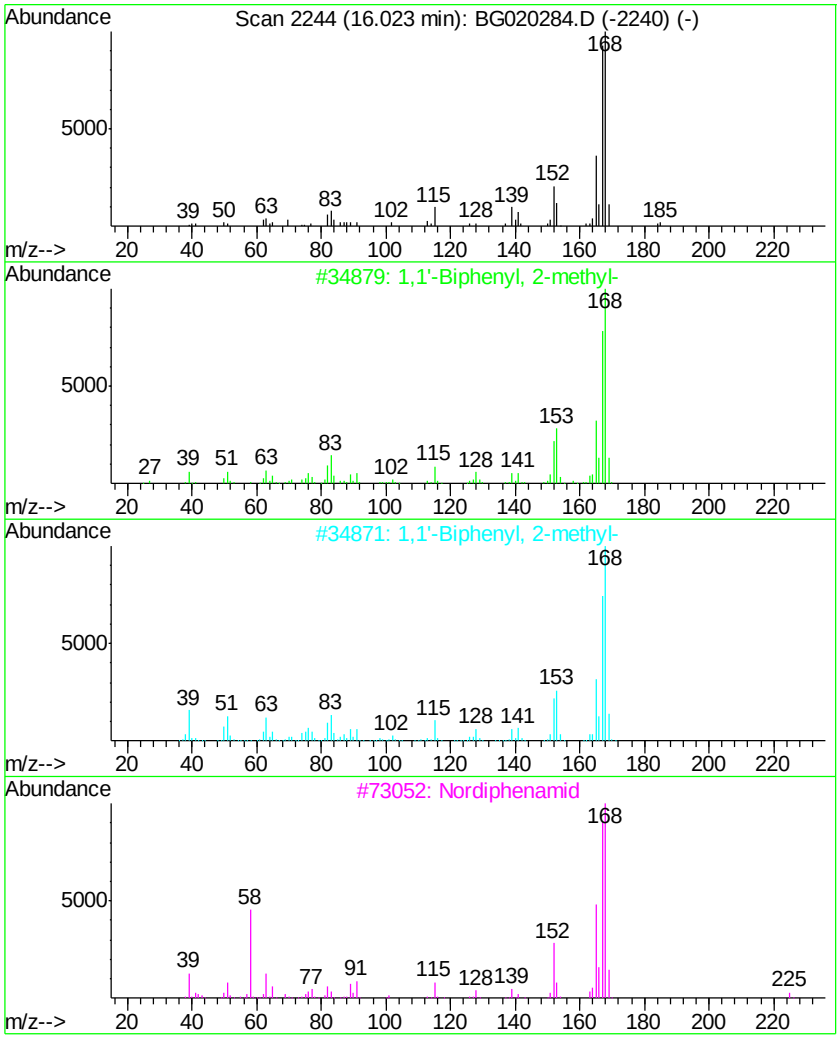
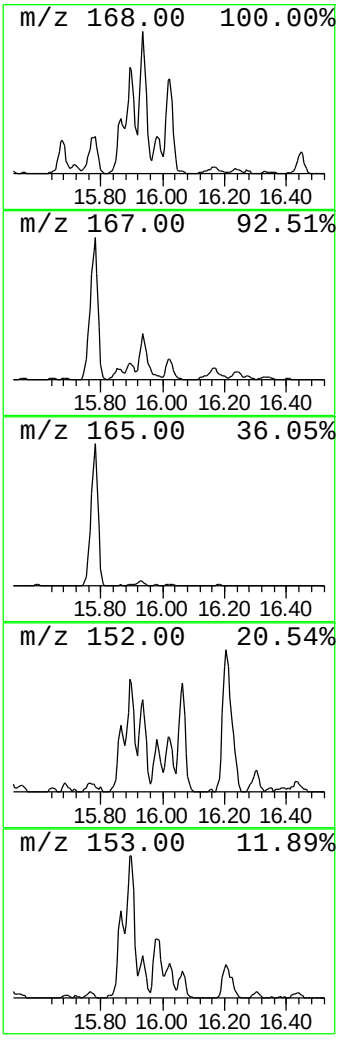
Peak Number 19 1,1'-Biphenyl, 2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	9.15 ng/ul	103966	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	90
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	87
3	Nordiphenamid	225	C15H15NO	000954-21-2	78
4	Diphenylmethane	168	C13H12	000101-81-5	72
5	Diphenylmethane	168	C13H12	000101-81-5	72





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Quant Title : SVOA CALIBRATION

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

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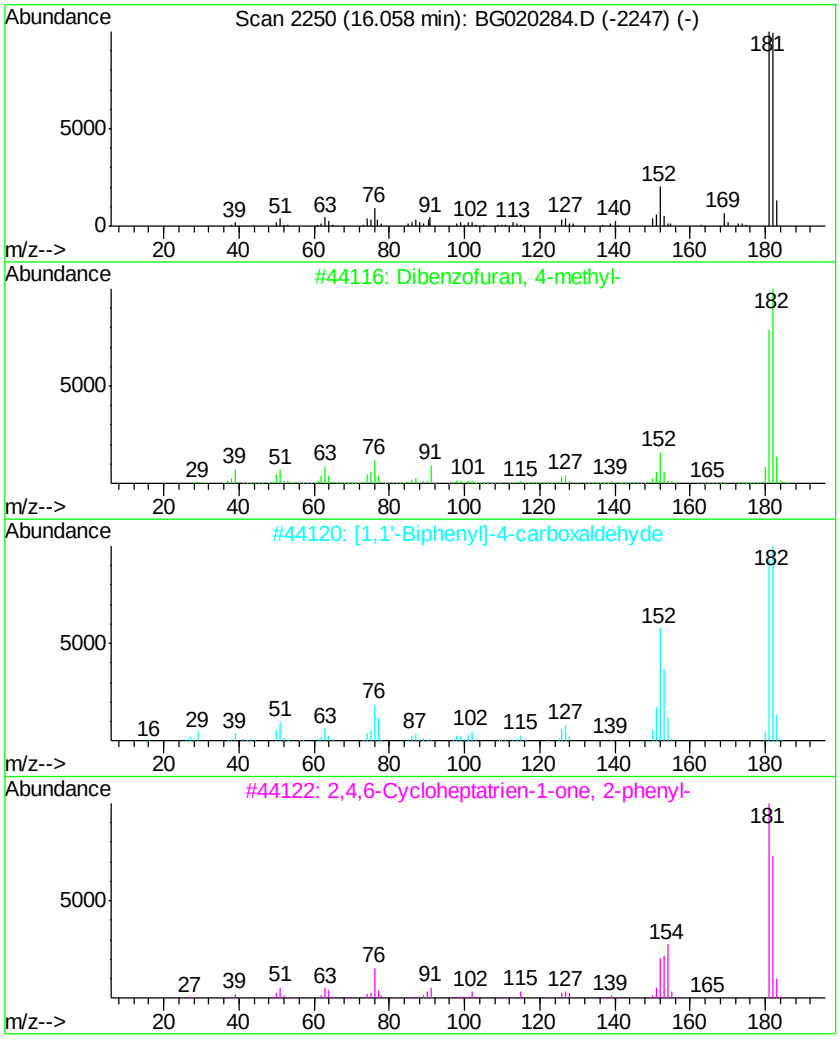
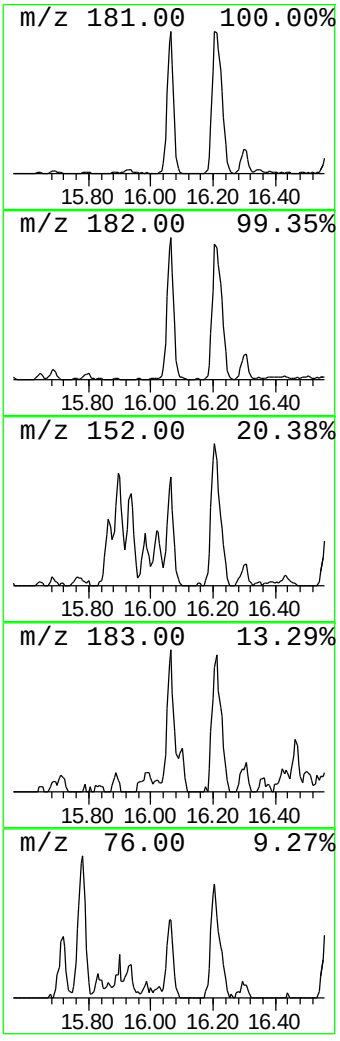
Peak Number 20 Dibenzofuran, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	16.17 ng/ul	183624	Acenaphthene-d10	14.73

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	80
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	9H-Xanthene	182	C13H10O	000092-83-1	64





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ALS Vial : 17 Sample Multiplier: 1

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ClientSampleId : D9N29

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Quant Title : SVOA CALIBRATION

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

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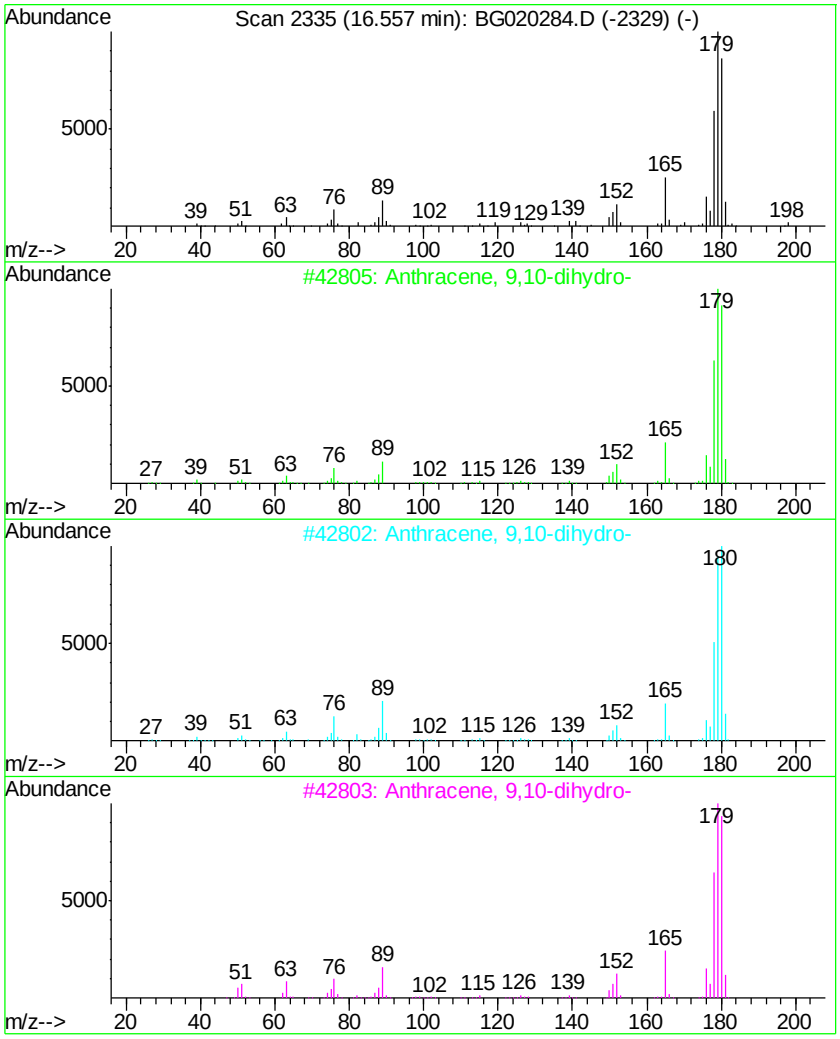
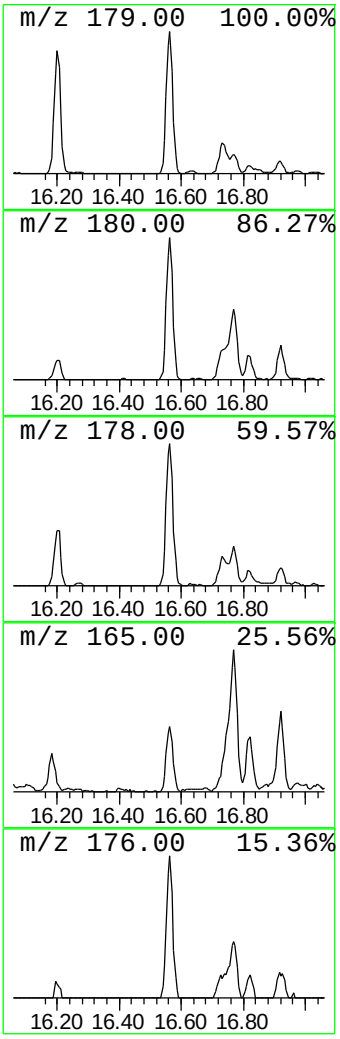
Peak Number 23 Anthracene, 9,10-dihydro- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.56	9.74 ng/ul	186275	Phenanthrene-d10	17.47

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	96
3	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	95
4	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	91
5	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	83





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020284.D
Acq On : 18 Dec 2015 20:52
Operator : UM/SJ
Sample : G4768-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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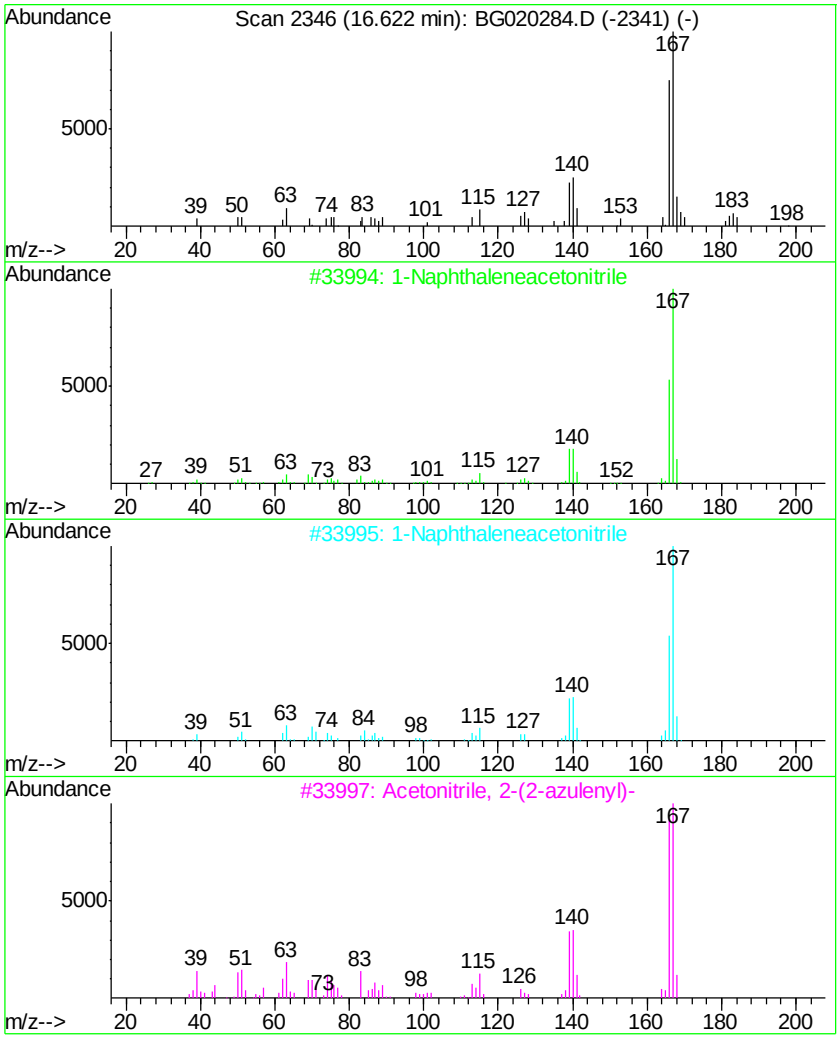
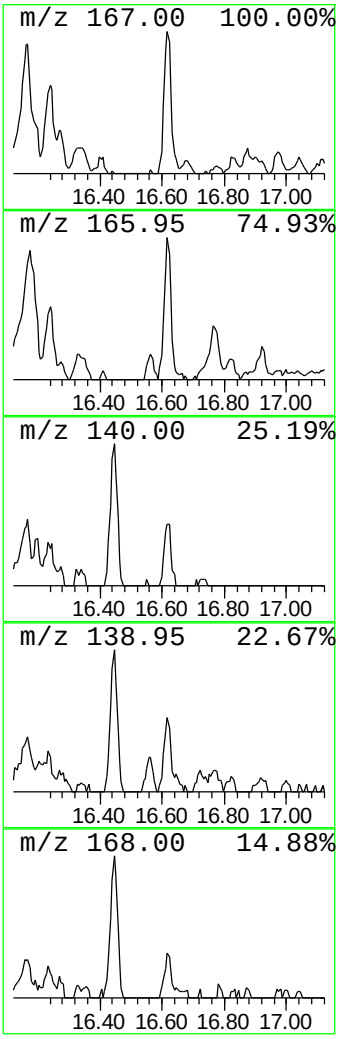
Peak Number 24 1-Naphthaleneacetonitrile Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.62	3.62 ng/ul	69234	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthaleneacetonitrile	167	C12H9N	000132-75-2	94
2	1-Naphthaleneacetonitrile	167	C12H9N	000132-75-2	93
3	Acetonitrile, 2-(2-azulenyl)-	167	C12H9N	054798-12-8	93
4	1-Cyano-4-methylnaphthalene	167	C12H9N	036062-93-8	87
5	2-[1-Naphthyl]-3-oxobutyronitrile	209	C14H11NO	031573-38-3	78





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Acq On : 18 Dec 2015 20:52
Operator : UM/SJ
Sample : G4768-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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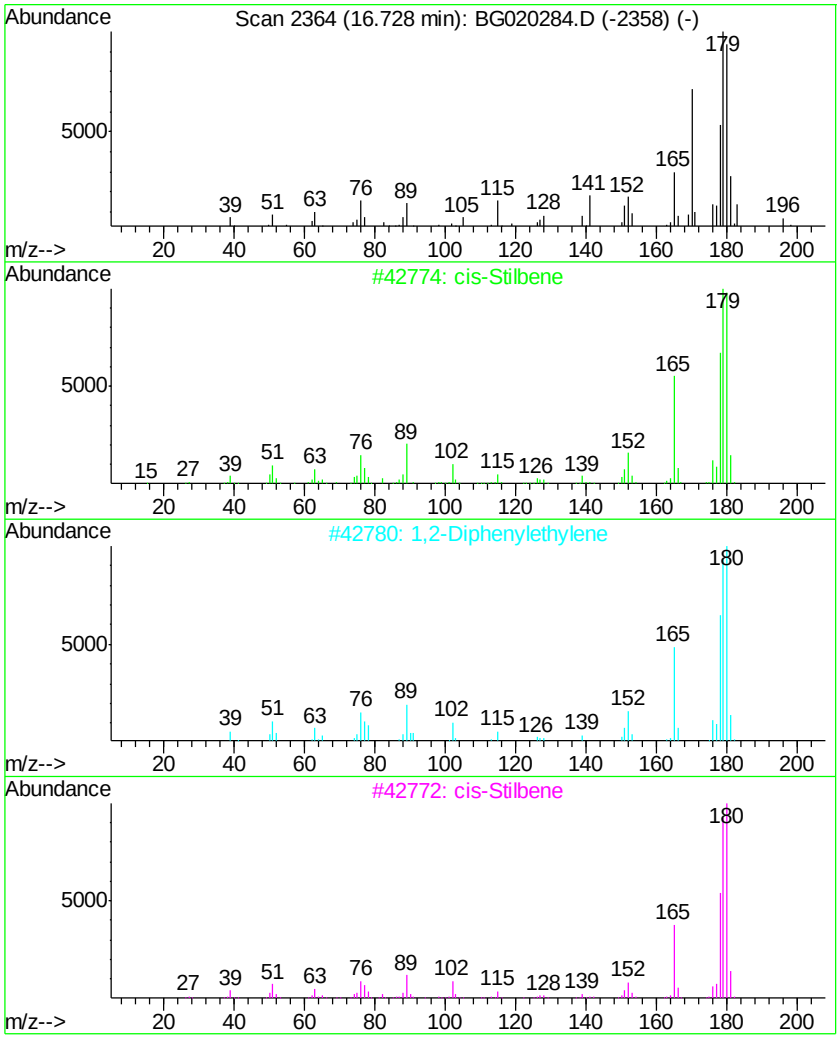
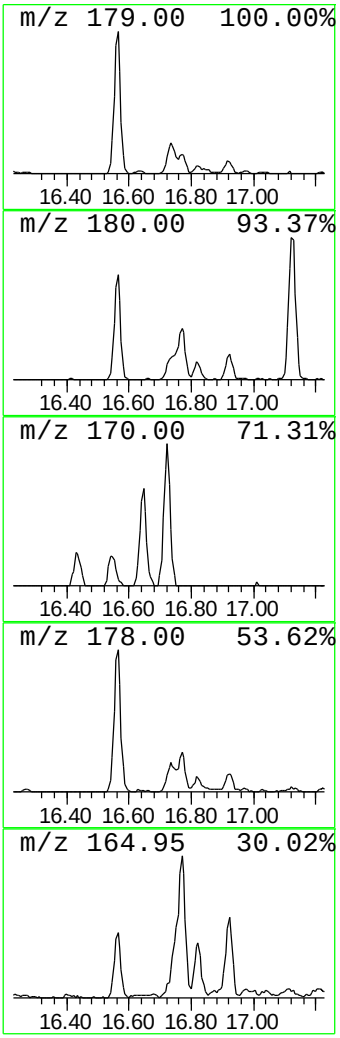
Peak Number 25 cis-Stilbene Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.73	4.12 ng/ul	78837	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-Stilbene	180	C14H12	000645-49-8	86
2	1,2-Diphenylethylene	180	C14H12	000588-59-0	86
3	cis-Stilbene	180	C14H12	000645-49-8	76
4	(E)-Stilbene	180	C14H12	000103-30-0	70
5	1,3,5,7-Cyclooctatetraene, 1-phe...	180	C14H12	004603-00-3	60





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Data File : BG020284.D
Acq On : 18 Dec 2015 20:52
Operator : UM/SJ
Sample : G4768-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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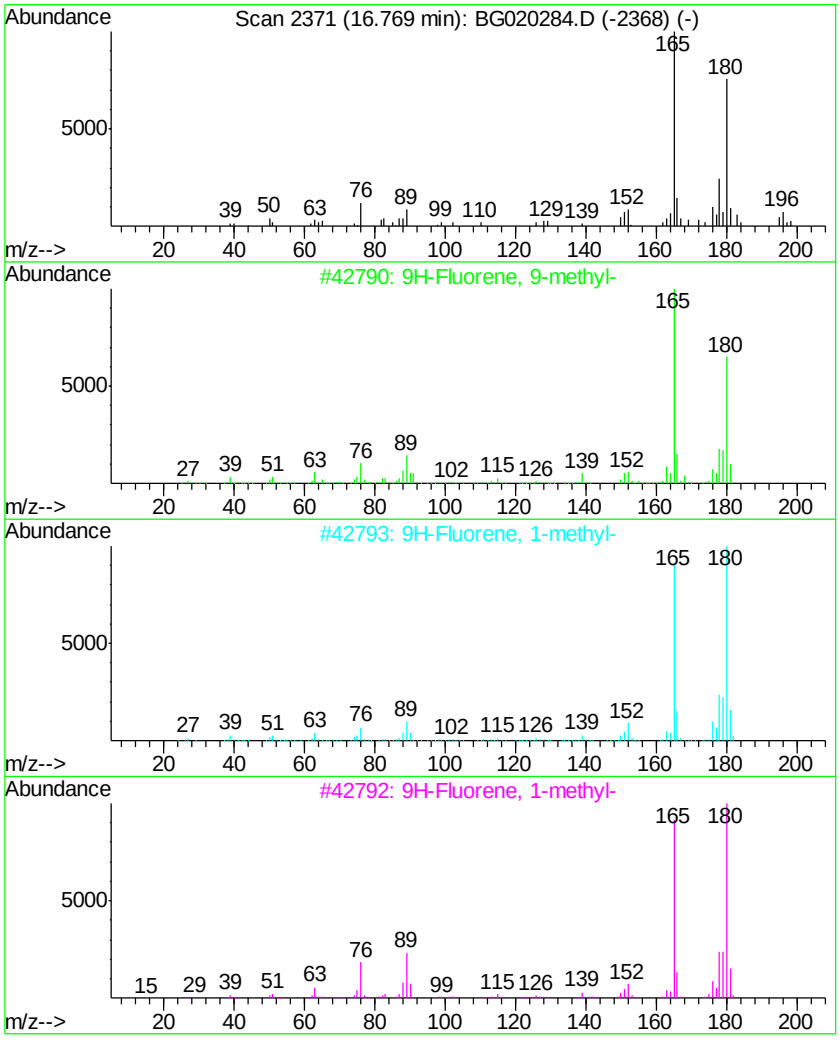
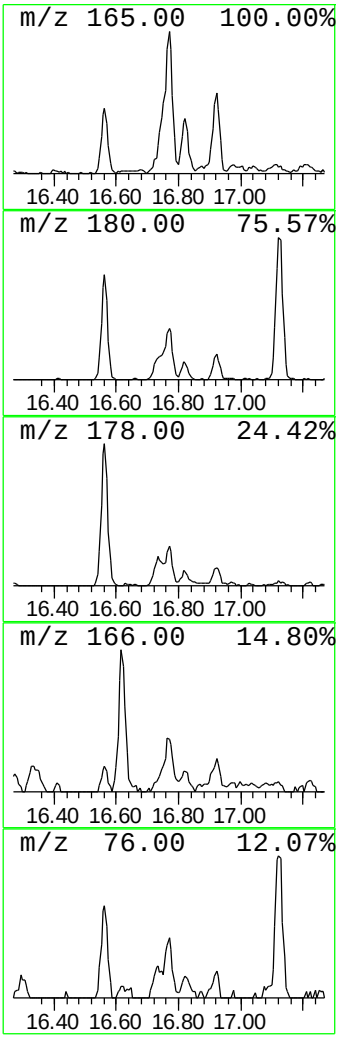
Peak Number 26 9H-Fluorene, 9-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	5.23 ng/ul	99920	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	76
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	74
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	74
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	74





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Acq On : 18 Dec 2015 20:52
Operator : UM/SJ
Sample : G4768-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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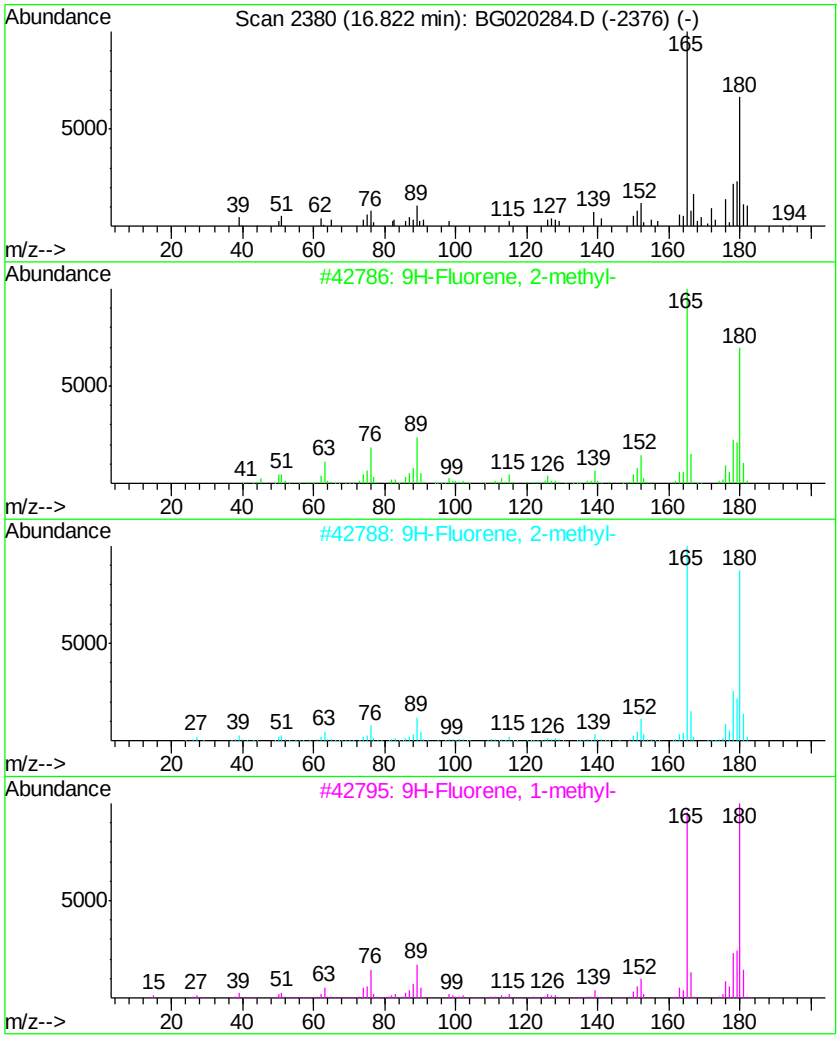
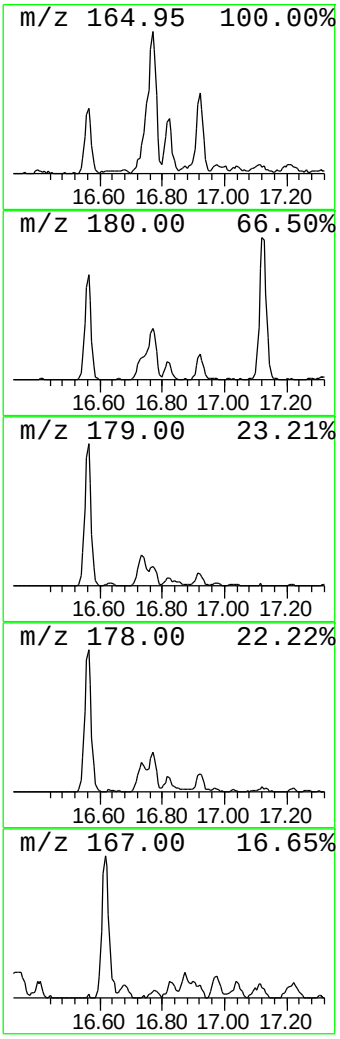
Peak Number 27 9H-Fluorene, 2-methyl- Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.82	2.26 ng/ul	43270	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	86
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	70
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	64
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	62
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	62





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Data File : BG020284.D
Acq On : 18 Dec 2015 20:52
Operator : UM/SJ
Sample : G4768-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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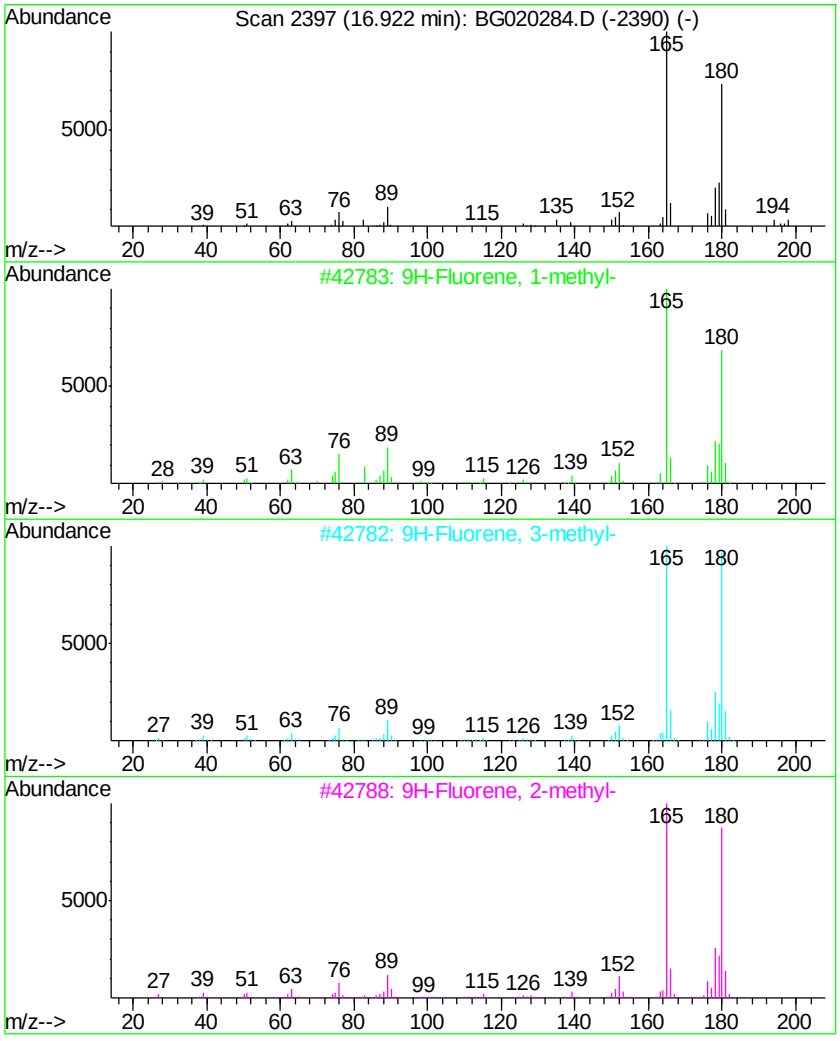
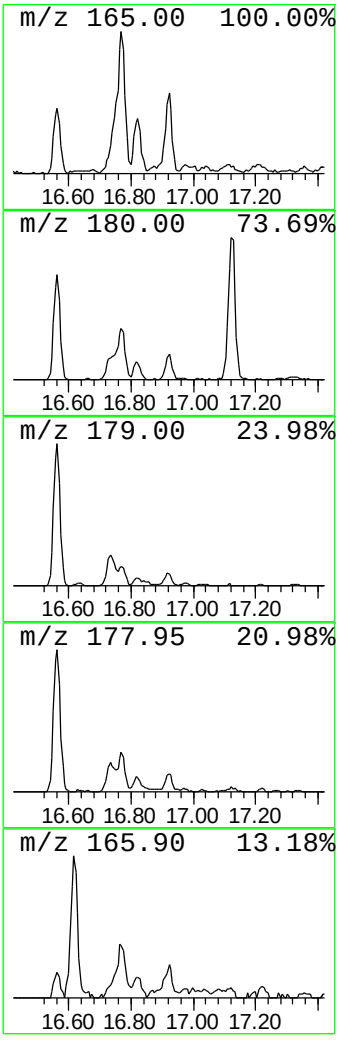
Peak Number 28 9H-Fluorene, 1-methyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.92	2.68 ng/ul	51224	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	90
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	87
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	87





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020284.D
Acq On : 18 Dec 2015 20:52
Operator : UM/SJ
Sample : G4768-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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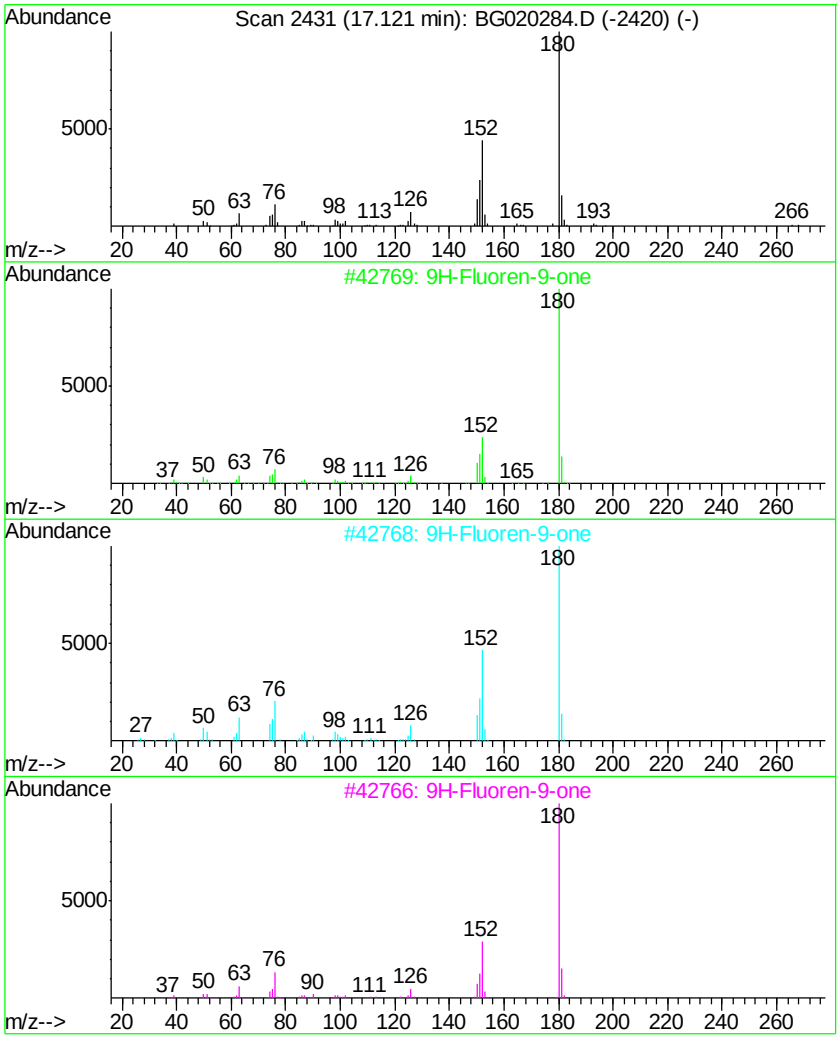
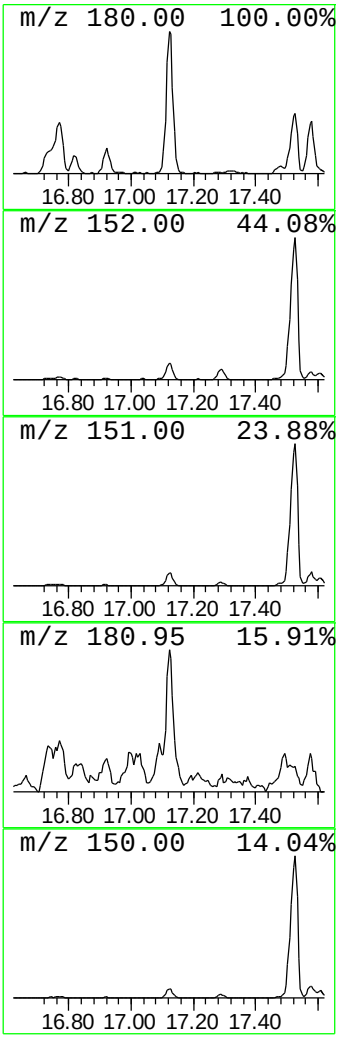
Peak Number 29 9H-Fluoren-9-one Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.12	9.18 ng/ul	175456	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	86





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020284.D
Acq On : 18 Dec 2015 20:52
Operator : UM/SJ
Sample : G4768-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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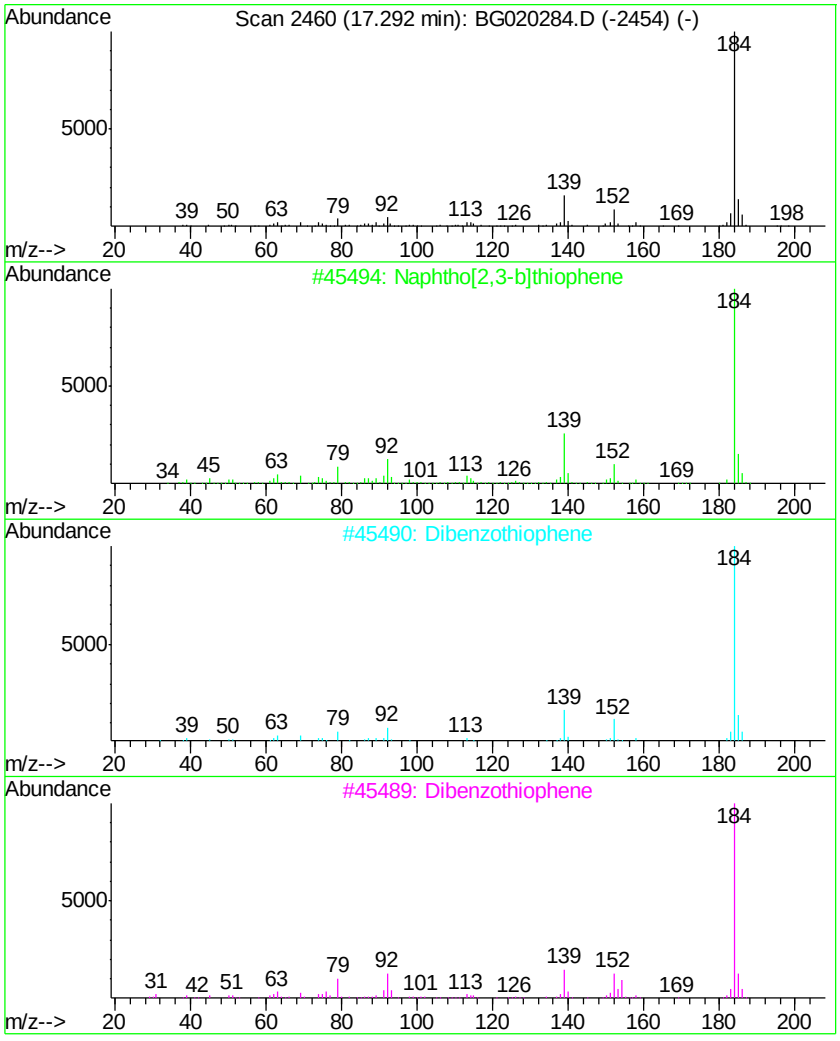
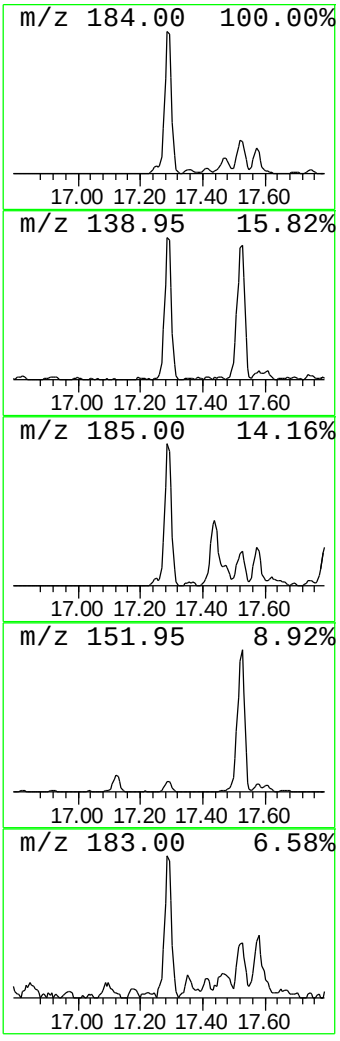
Peak Number 30 Naphtho[2,3-b]thiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.29	19.61 ng/ul	374889	Phenanthrene-d10	17.47

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	94
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Dibenzothiophene	184	C12H8S	000132-65-0	94
5	Dibenzothiophene	184	C12H8S	000132-65-0	94





Tentatively Identified Compound (LSC) summary

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Data File : BG020284.D
Acq On : 18 Dec 2015 20:52
Operator : UM/SJ
Sample : G4768-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.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...	3.20	6.8	ng/ul	35016	1	8.09	103493	20.0
Indane	8.47	17.3	ng/ul	89422	1	8.09	103493	20.0
Indene	8.63	57.1	ng/ul	295710	1	8.09	103493	20.0
Naphthalene, 1-et...	13.75	20.0	ng/ul	227641	3	14.73	227140	20.0
Naphthalene, 2,7-...	13.90	27.9	ng/ul	316559	3	14.73	227140	20.0
Naphthalene, 2,3-...	14.04	35.0	ng/ul	396901	3	14.73	227140	20.0
Benzene, 2,5-cycl...	14.31	4.0	ng/ul	45537	3	14.73	227140	20.0
1-Naphthalenecarb...	14.87	76.3	ng/ul	866174	3	14.73	227140	20.0
Naphthalene, 1,4,...	15.19	4.1	ng/ul	46127	3	14.73	227140	20.0
Naphthalene, 1,6,...	15.33	3.9	ng/ul	44214	3	14.73	227140	20.0
1(2H)-Acenaphthyl...	15.41	3.9	ng/ul	44438	3	14.73	227140	20.0
1-Isopropenylnaph...	15.89	14.0	ng/ul	158498	3	14.73	227140	20.0
Benzene, 1,1'-(br...	15.93	21.9	ng/ul	248378	3	14.73	227140	20.0
Naphthalene, 2-(1...	15.98	6.4	ng/ul	72898	3	14.73	227140	20.0
1,1'-Biphenyl, 2-...	16.02	9.2	ng/ul	103966	3	14.73	227140	20.0
Dibenzofuran, 4-m...	16.06	16.2	ng/ul	183624	3	14.73	227140	20.0
Anthracene, 9,10-...	16.56	9.7	ng/ul	186275	4	17.47	382361	20.0
1-Naphthaleneacet...	16.62	3.6	ng/ul	69234	4	17.47	382361	20.0
cis-Stilbene	16.73	4.1	ng/ul	78837	4	17.47	382361	20.0
9H-Fluorene, 9-me...	16.77	5.2	ng/ul	99920	4	17.47	382361	20.0
9H-Fluorene, 2-me...	16.82	2.3	ng/ul	43270	4	17.47	382361	20.0
9H-Fluorene, 1-me...	16.92	2.7	ng/ul	51224	4	17.47	382361	20.0
9H-Fluoren-9-one	17.12	9.2	ng/ul	175456	4	17.47	382361	20.0
Naphtho[2,3-b]thi...	17.29	19.6	ng/ul	374889	4	17.47	382361	20.0