LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020298.D
Acq On : 19 Dec 2015 6:09
Operator : UM/SJ
Sample : G4768-18
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N42

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	3.116	40	47	56	rBV	43261	90908	1.42%	0.249%
2	3.192	56	60	71	rVB	26009	40689	0.63%	0.112%
3	7.240	743	749	756	rBV	24309	40708	0.64%	0.112%
4	7.411	772	778	785	rBV	63994	105283	1.64%	0.289%
5	7.616	808	813	822	rVB	67162	115873	1.81%	0.318%
6	8.092	888	894	900	rBV	60779	99897	1.56%	0.274%
7	8.468	952	958	964	rBV	32025	53552	0.84%	0.147%
8	8.633	979	986	995	rVB	293101	501944	7.83%	1.377%
9	8.791	1007	1013	1019	rBV	61874	105388	1.64%	0.289%
10	9.255	1085	1092	1098	rBV	81121	145150	2.26%	0.398%
11	9.579	1133	1147	1153	rBV2	22346	51276	0.80%	0.141%
12	9.984	1209	1216	1223	rBB2	74391	126716	1.98%	0.348%
13	10.525	1301	1308	1316	rBV2	113717	211932	3.31%	0.581%
14	10.918	1364	1375	1376	rVV	74159	123637	1.93%	0.339%
15	10.983	1376	1386	1393	rVV	2958735	6408654	100.00%	17.584%
16	11.083	1393	1403	1411	rVB	180252	322559	5.03%	0.885%
17	12.452	1632	1636	1645	rVB	23774	42037	0.66%	0.115%
18	12.563	1645	1655	1661	rBV	811099	1351714	21.09%	3.709%
19	12.675	1667	1674	1681	rBV	27789	52580	0.82%	0.144%
20	12.781	1681	1692	1702	rVB	541322	917850	14.32%	2.518%
21	13.192	1756	1762	1770	rVV5	22994	50141	0.78%	0.138%
22	13.556	1810	1824	1834	rBB	305675	486197	7.59%	1.334%
23	13.756	1851	1858	1867	rVB3	54827	119007	1.86%	0.327%
24	13.897	1870	1882	1890	rBV4	52423	149952	2.34%	0.411%
25	14.044	1900	1907	1912	rBV	109220	196409	3.06%	0.539%
26	14.126	1912	1921	1926	rVB2	220938	416482	6.50%	1.143%
27	14.279	1942	1947	1951	rBV2	45431	72863	1.14%	0.200%
28	14.420	1964	1971	1974	rBV	248787	437357	6.82%	1.200%
29	14.696	2007	2018	2019	rVV	66573	100549	1.57%	0.276%
30	14.726	2019	2023	2028	rVV2	145124	244327	3.81%	0.670%
31	14.796	2028	2035	2040	rVV	1709590	2722756	42.49%	7.471%
32	14.855	2040	2045	2051	rVV	443315	707705	11.04%	1.942%
33	14.908	2051	2054	2064	rVV4	38111	77852	1.21%	0.214%
34	14.996	2064	2069	2073	rVV3	78170	142313	2.22%	0.390%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020298.D
Acq On : 19 Dec 2015 6:09
Operator : UM/SJ
Sample : G4768-18
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N42

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	15.031	2073	2075	2079	rVV	42456	54583	0.85%	0.150%
36	15.125	2084	2091	2099	rVV2	901407	1597255	24.92%	4.382%
37	15.201	2099	2104	2112	rVB2	34468	59911	0.93%	0.164%
38	15.713	2181	2191	2196	rVV	324403	529021	8.25%	1.452%
39	15.777	2196	2202	2207	rVV	996810	1598253	24.94%	4.385%
40	15.830	2207	2211	2215	rVV	95009	160707	2.51%	0.441%
41	15.889	2218	2221	2225	rVV3	90762	166879	2.60%	0.458%
42	15.930	2225	2228	2233	rVV2	92473	162093	2.53%	0.445%
43	15.983	2233	2237	2240	rVV4	53893	102400	1.60%	0.281%
44	16.018	2240	2243	2246	rVV2	46365	70130	1.09%	0.192%
45	16.059	2246	2250	2258	rVV	88193	133146	2.08%	0.365%
46	16.200	2266	2274	2284	rVV3	110607	284309	4.44%	0.780%
47	16.435	2308	2314	2322	rVB6	19050	36712	0.57%	0.101%
48	16.559	2327	2335	2341	rBV3	68654	125897	1.96%	0.345%
49	16.641	2346	2349	2357	rVB	52547	87248	1.36%	0.239%
50	16.717	2357	2362	2367	rBV2	76360	147037	2.29%	0.403%
51	16.770	2367	2371	2375	rVB	44283	71501	1.12%	0.196%
52	16.823	2375	2380	2386	rVB4	27710	53223	0.83%	0.146%
53	16.917	2390	2396	2400	rBV3	23345	39661	0.62%	0.109%
54	17.117	2427	2430	2437	rVB	64464	100608	1.57%	0.276%
55	17.246	2447	2452	2455	rBV	56301	78490	1.22%	0.215%
56	17.287	2455	2459	2466	rVB	161079	233204	3.64%	0.640%
57	17.469	2484	2490	2493	rBV2	199553	352889	5.51%	0.968%
58	17.522	2493	2499	2503	rVV	1885287	3075823	47.99%	8.439%
59	17.569	2503	2507	2511	rVV	395217	604602	9.43%	1.659%
60	17.604	2511	2513	2518	rVB	125193	139827	2.18%	0.384%
61	17.657	2518	2522	2532	rVB2	28683	55473	0.87%	0.152%
62	17.828	2547	2551	2553	rBV	58898	76015	1.19%	0.209%
63	17.881	2553	2560	2566	rVB	1330856	2121977	33.11%	5.822%
64	17.963	2567	2574	2581	rBV4	102223	258385	4.03%	0.709%
65	18.022	2581	2584	2591	rVB	131924	191406	2.99%	0.525%
66	18.110	2591	2599	2604	rBV3	41524	99186	1.55%	0.272%
67	18.216	2612	2617	2621	rVB4	26148	43501	0.68%	0.119%
68	18.298	2627	2631	2635	rBV	57013	77506	1.21%	0.213%
69	18.345	2635	2639	2642	rBV	56142	70376	1.10%	0.193%
70	18.386	2642	2646	2652	rVV	282954	426986	6.66%	1.172%
71	18.456	2652	2658	2665	rVB3	89437	177301	2.77%	0.486%

LSC Area Percent Report

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Data File : BG020298.D
Acq On : 19 Dec 2015 6:09
Operator : UM/SJ
Sample : G4768-18
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N42

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	18.539	2665	2672	2681	rBV2	179013	358007	5.59%	0.982%
73	18.615	2681	2685	2686	rBV	50150	61965	0.97%	0.170%
74	18.639	2686	2689	2693	rVV	87318	130527	2.04%	0.358%
75	18.686	2693	2697	2700	rVV	100500	138653	2.16%	0.380%
76	18.715	2700	2702	2706	rVB2	34218	38598	0.60%	0.106%
77	18.774	2707	2712	2717	rBV	128266	188389	2.94%	0.517%
78	18.832	2717	2722	2726	rVB2	68102	100794	1.57%	0.277%
79	18.879	2726	2730	2734	rBV	113505	147652	2.30%	0.405%
80	19.038	2749	2757	2761	rBV3	22940	41364	0.65%	0.113%
81	19.138	2771	2774	2781	rVV7	30990	57597	0.90%	0.158%
82	19.349	2806	2810	2815	rVV3	31601	61768	0.96%	0.169%
83	19.514	2831	2838	2844	rVB	517423	771252	12.03%	2.116%
84	19.714	2866	2872	2876	rBV4	34894	65128	1.02%	0.179%
85	19.761	2876	2880	2888	rVB3	28206	41775	0.65%	0.115%
86	19.849	2888	2895	2898	rBV	521893	847603	13.23%	2.326%
87	19.878	2898	2900	2907	rVB	361215	432430	6.75%	1.186%
88	20.072	2925	2933	2938	rBV4	31213	53865	0.84%	0.148%
89	20.254	2958	2964	2969	rVB	164314	228914	3.57%	0.628%
90	20.313	2969	2974	2979	rBV	108382	168867	2.63%	0.463%
91	20.466	2994	3000	3004	rVB2	33841	50794	0.79%	0.139%
92	20.918	3073	3077	3080	rVV	25491	36535	0.57%	0.100%
93	20.965	3080	3085	3093	rVB3	44702	87699	1.37%	0.241%
94	21.318	3140	3145	3148	rVV2	26620	46572	0.73%	0.128%
95	21.347	3148	3150	3157	rVB3	24525	38404	0.60%	0.105%
96	21.741	3209	3217	3223	rBV2	309947	550465	8.59%	1.510%
97	22.158	3282	3288	3294	rBV	29227	52084	0.81%	0.143%
98	22.369	3318	3324	3332	rBV	20665	42888	0.67%	0.118%
99	24.790	3724	3736	3747	rBV	249870	700250	10.93%	1.921%
100	25.013	3762	3774	3786	rBV	146878	409636	6.39%	1.124%

Sum of corrected areas: 36446253

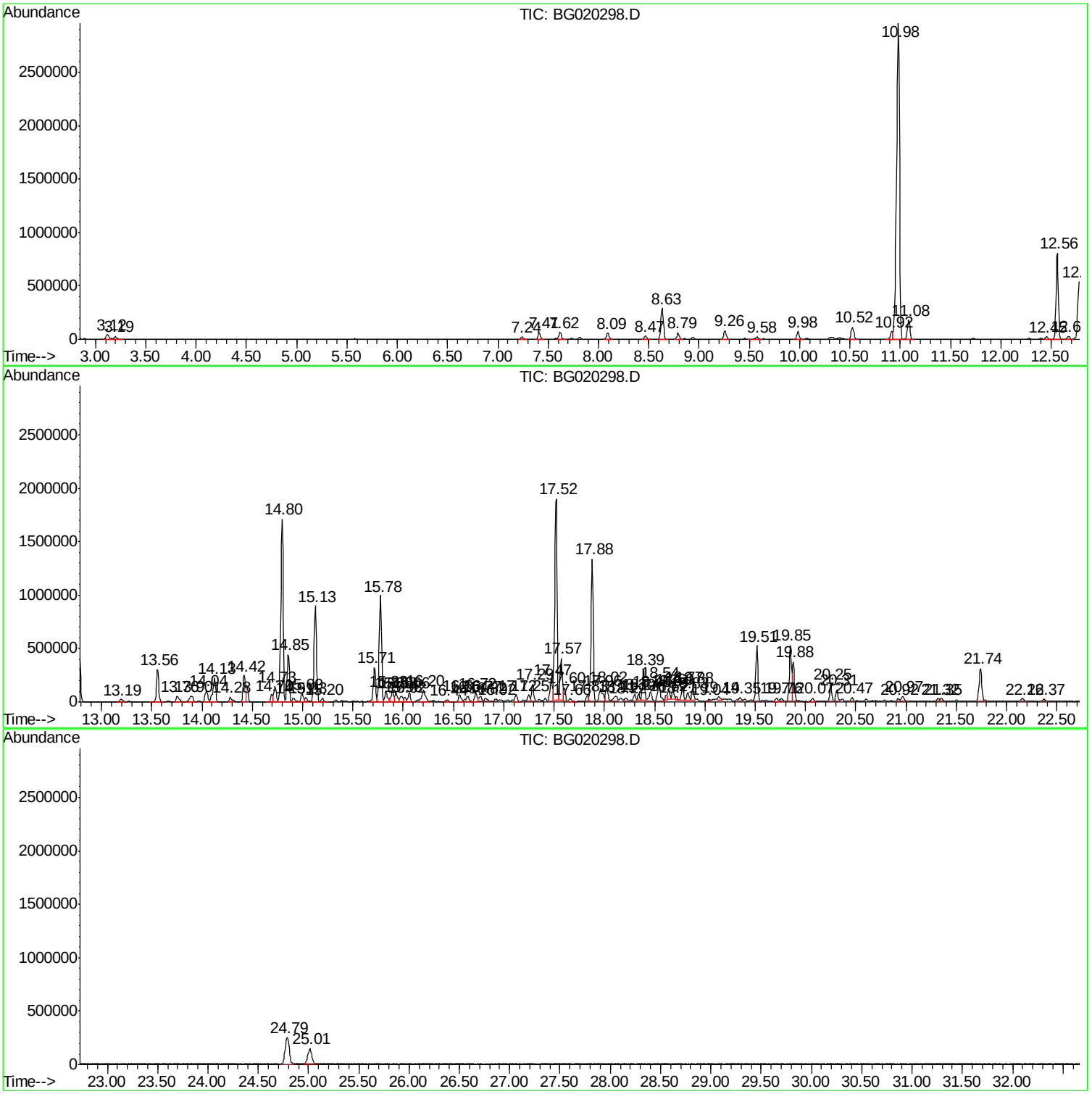
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020298.D
Acq On : 19 Dec 2015 6:09
Operator : UM/SJ
Sample : G4768-18
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N42

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020298.D
Acq On : 19 Dec 2015 6:09
Operator : UM/SJ
Sample : G4768-18
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N42

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

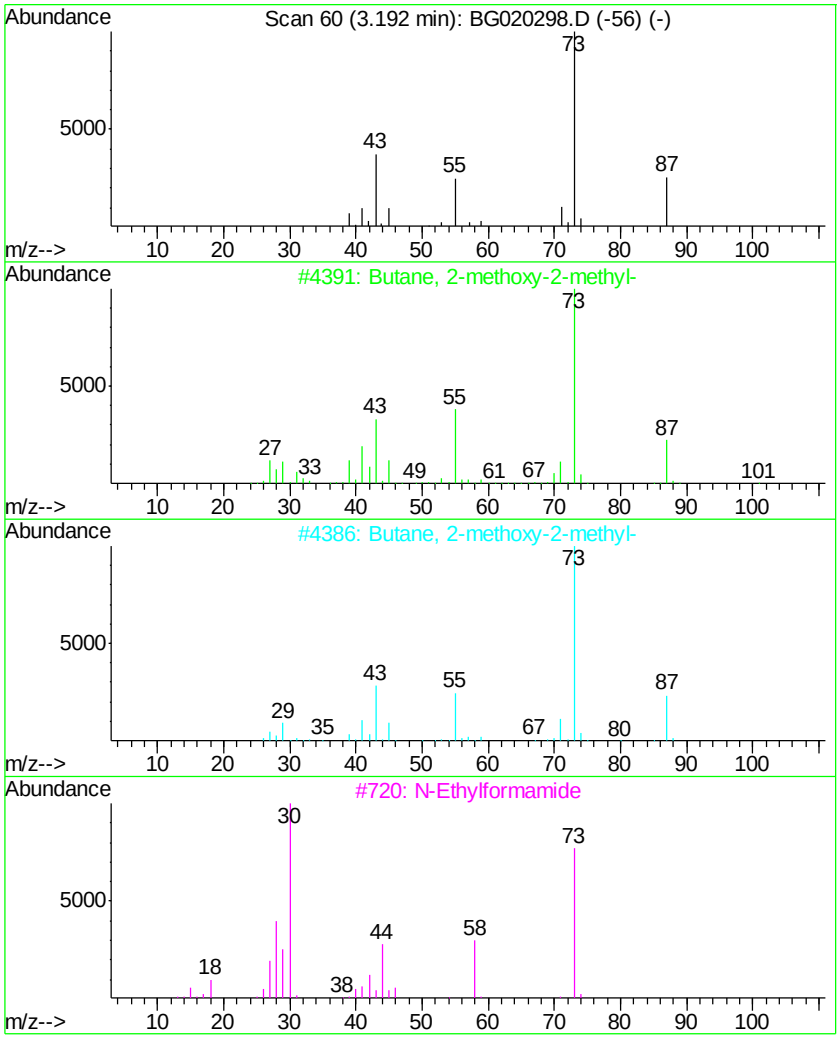
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

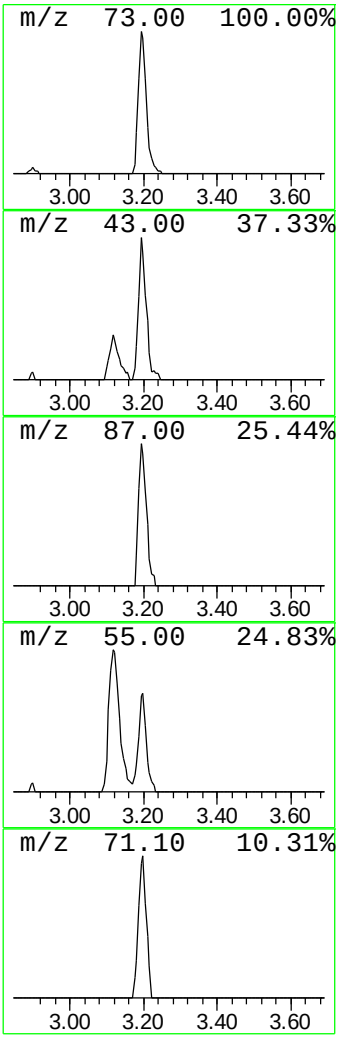
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.19	8.15 ng/ul	40689	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	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3	N-Ethylformamide	73	C3H7NO	000627-45-2	9
4	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	9
5	Silane, ethyltrimethyl-	102	C5H14Si	003439-38-1	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020298.D
Acq On : 19 Dec 2015 6:09
Operator : UM/SJ
Sample : G4768-18
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N42

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

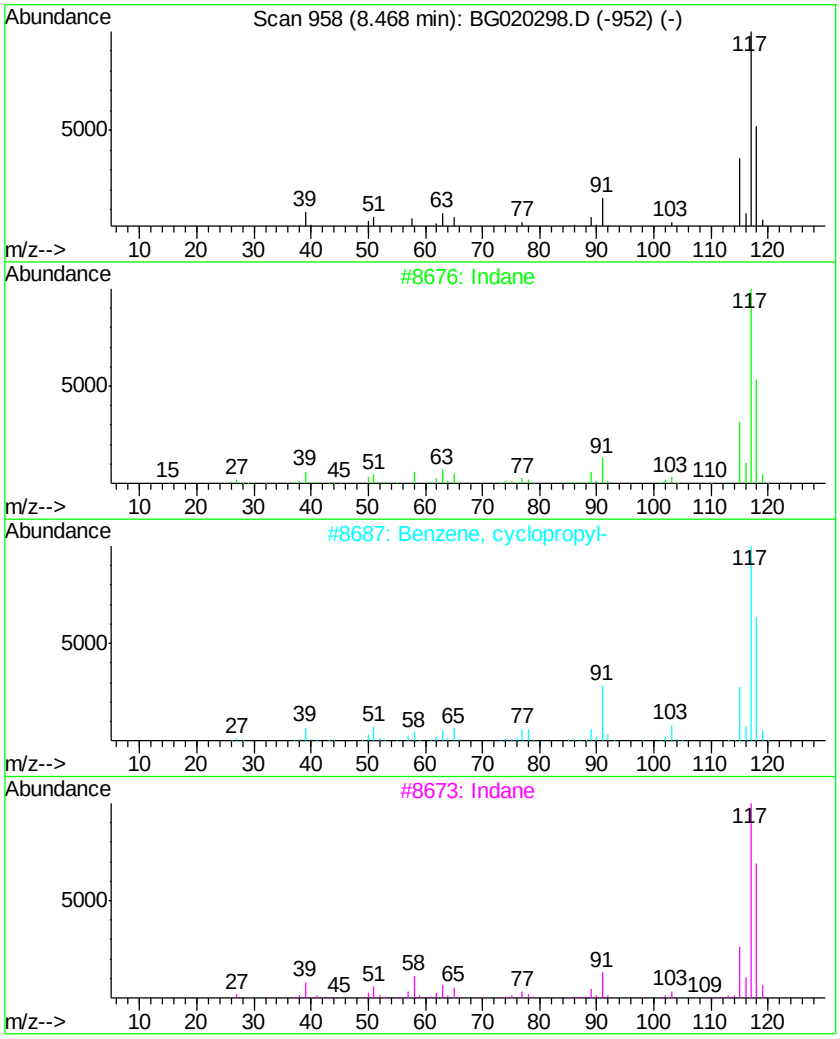
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

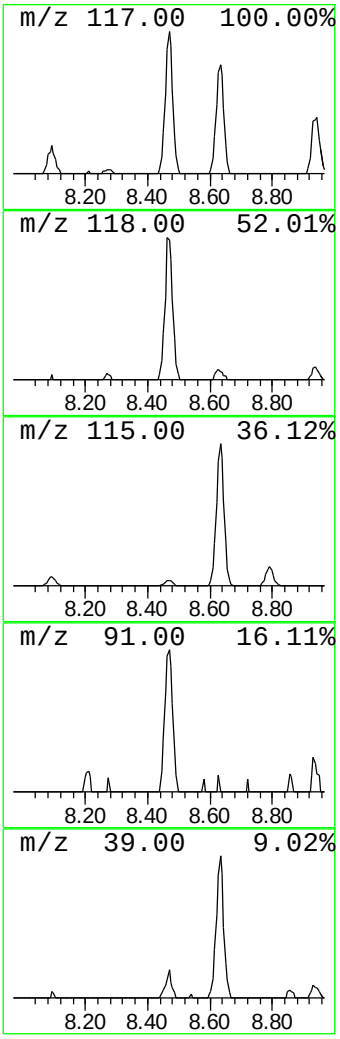
****

Peak Number 3 Indane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.47	10.72 ng/ul	53552	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	87
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	83
3	Indane	118	C9H10	000496-11-7	83
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	80
5	Deltacyclene	118	C9H10	007785-10-6	80





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020298.D
Acq On : 19 Dec 2015 6:09
Operator : UM/SJ
Sample : G4768-18
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N42

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

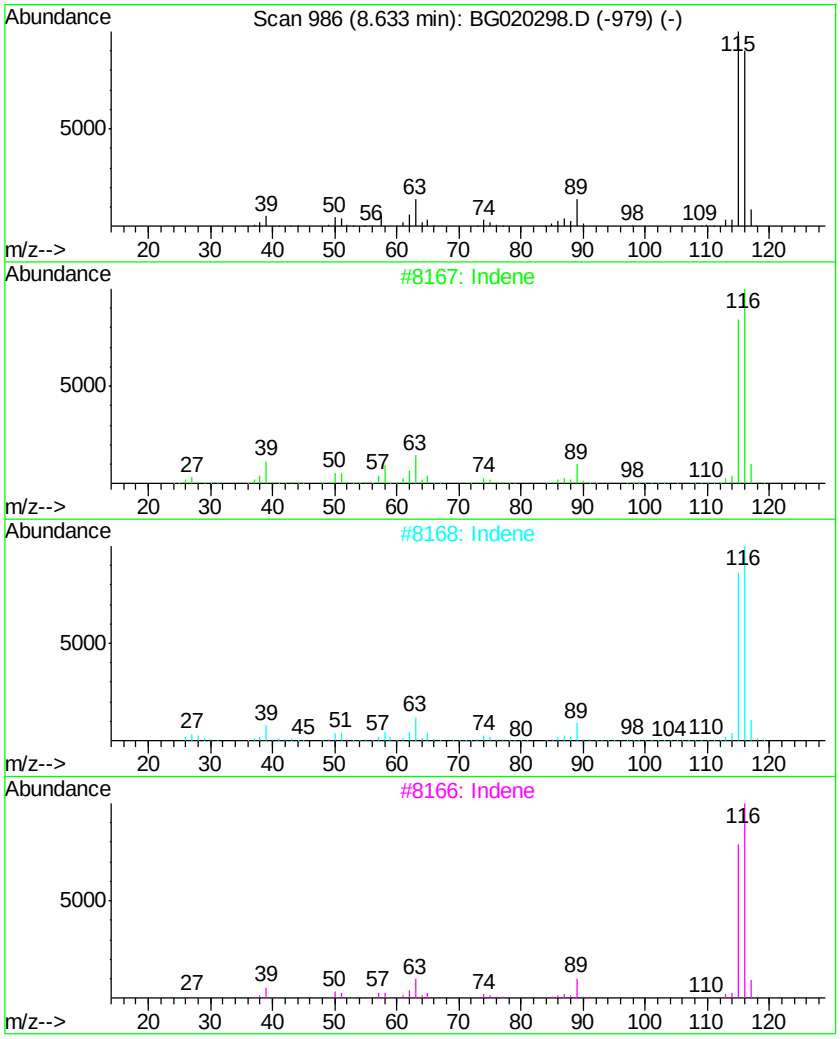
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

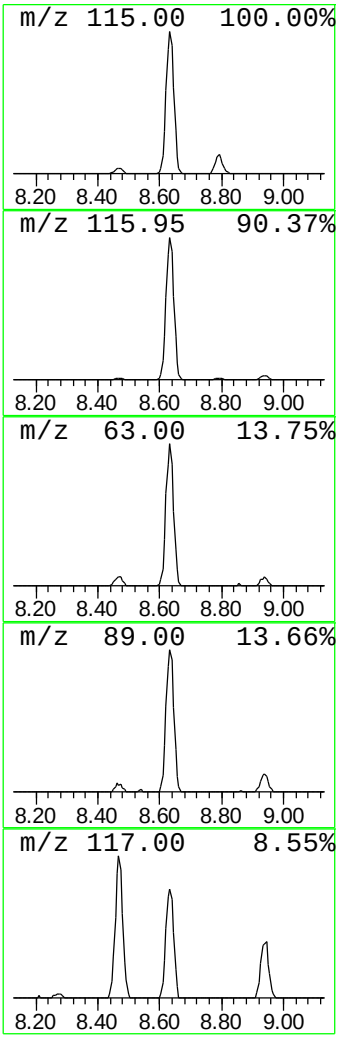
****

Peak Number 4 Indene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.63	100.49 ng/ul	501944	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	Indene	116	C9H8	000095-13-6	94
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020298.D
Acq On : 19 Dec 2015 6:09
Operator : UM/SJ
Sample : G4768-18
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N42

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

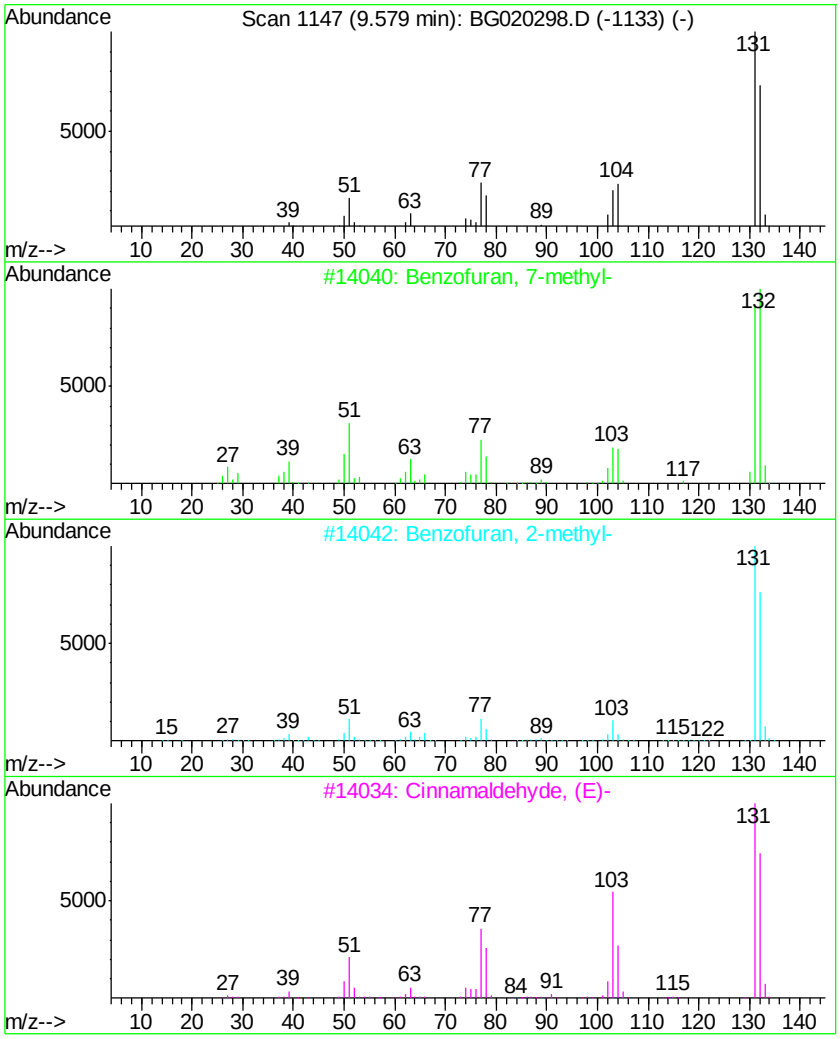
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

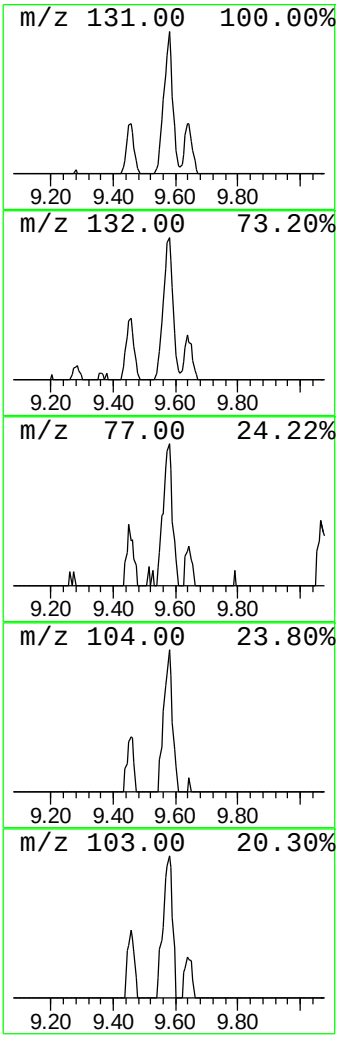
****

Peak Number 5 Benzofuran, 7-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.58	8.29 ng/ul	51276	Naphthalene-d8	10.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	94
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	93
3	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	93
4	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	93
5	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020298.D
Acq On : 19 Dec 2015 6:09
Operator : UM/SJ
Sample : G4768-18
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N42

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

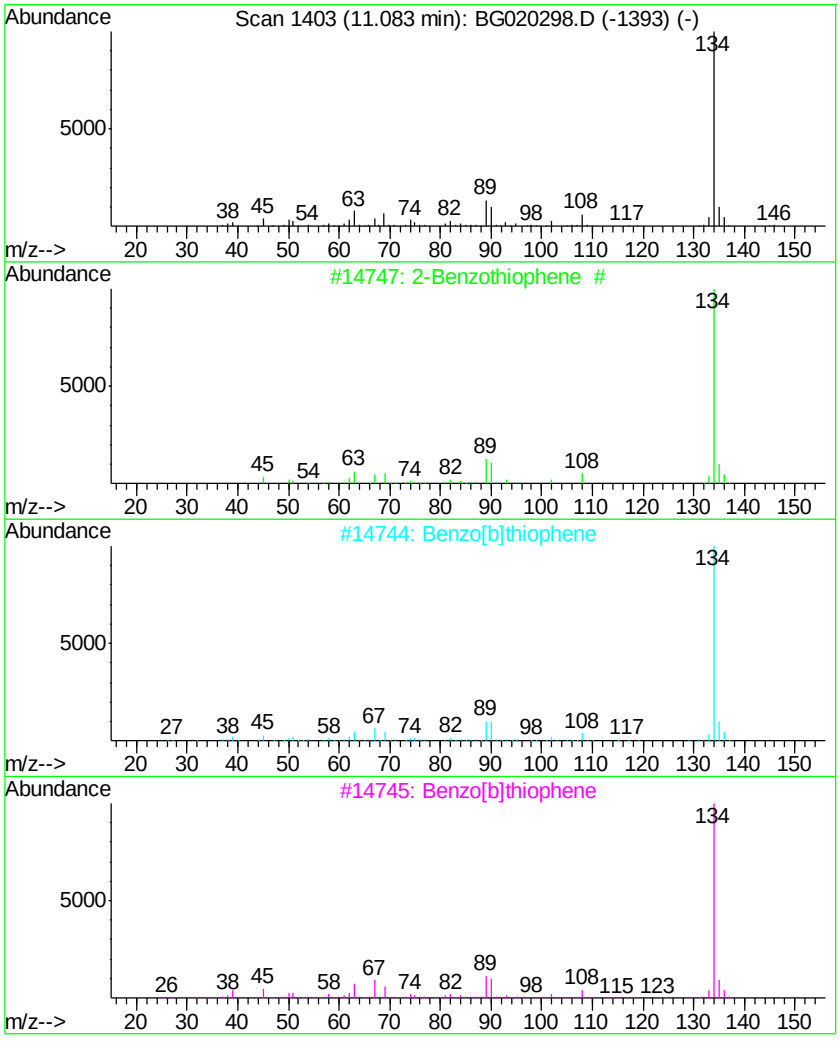
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

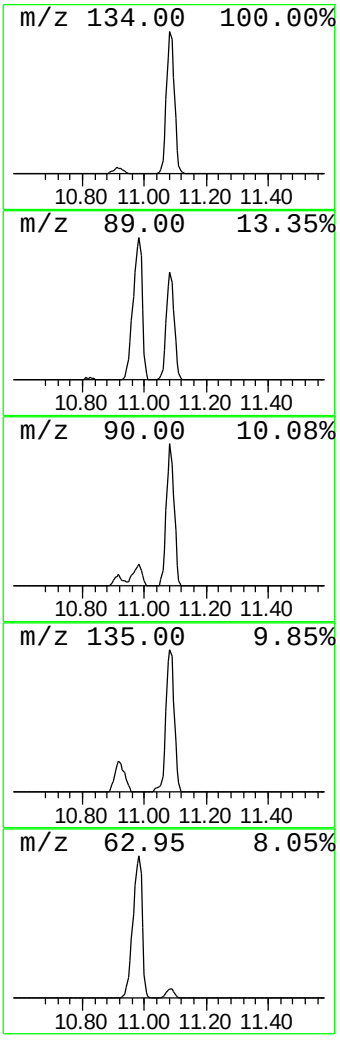
****

Peak Number 6 2-Benzothiophene # Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.08	52.18 ng/ul	322559	Naphthalene-d8	10.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Benzothiophene #	134	C8H6S	000270-82-6	97
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	95
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
4	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	93
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020298.D
Acq On : 19 Dec 2015 6:09
Operator : UM/SJ
Sample : G4768-18
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N42

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Quant Title : SVOA CALIBRATION

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

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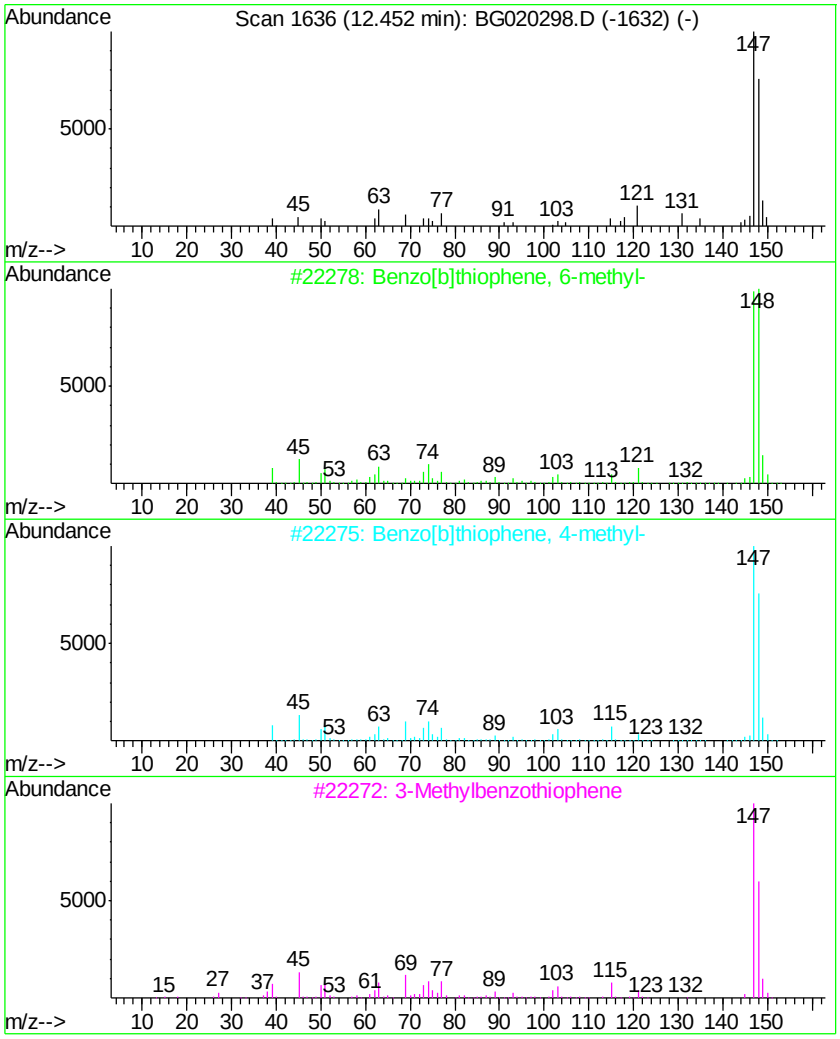
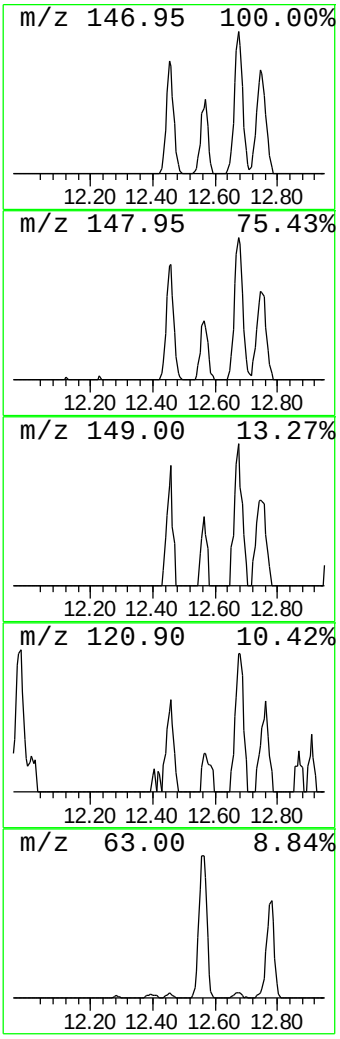
Peak Number 7 Benzo[b]thiophene, 6-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	6.80 ng/ul	42037	Naphthalene-d8	10.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	87
2	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	80
3	3-Methylbenzothiophene	148	C9H8S	001455-18-1	80
4	Benzaldehyde, 2,4,6-trimethyl-	148	C10H12O	000487-68-3	72
5	Benzaldehyde, 2,4,5-trimethyl-	148	C10H12O	005779-72-6	72





Library Search Compound Report

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Acq On : 19 Dec 2015 6:09
Operator : UM/SJ
Sample : G4768-18
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N42

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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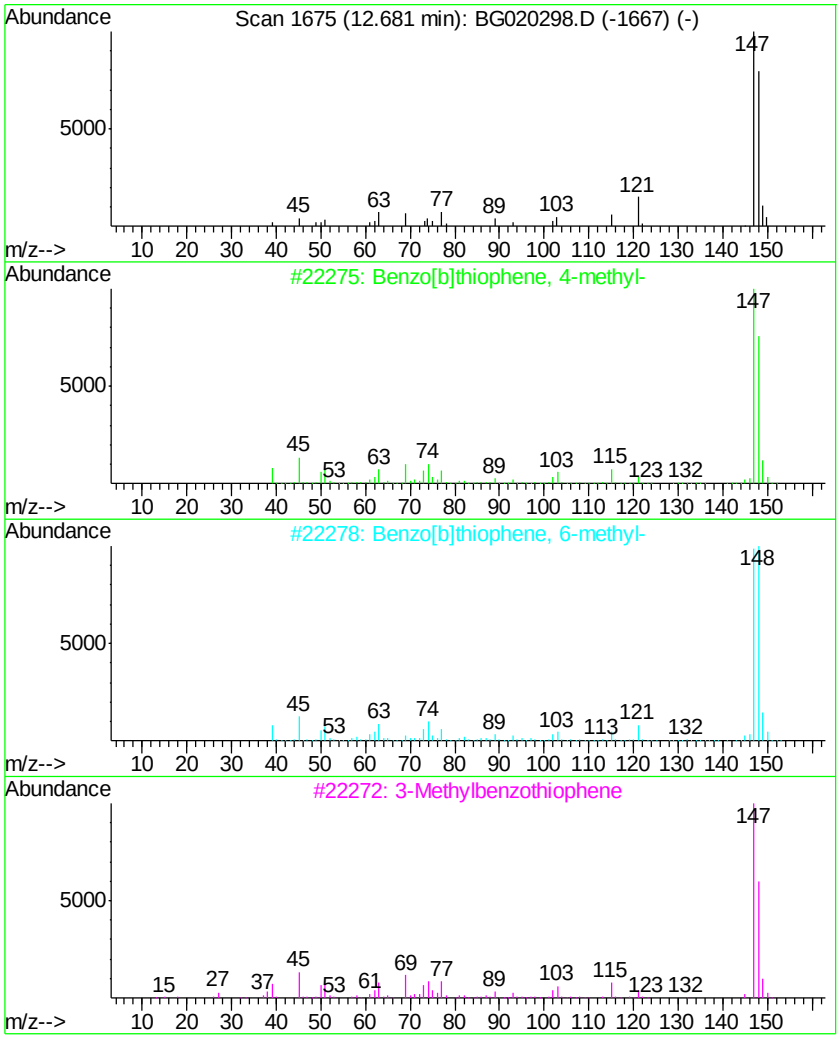
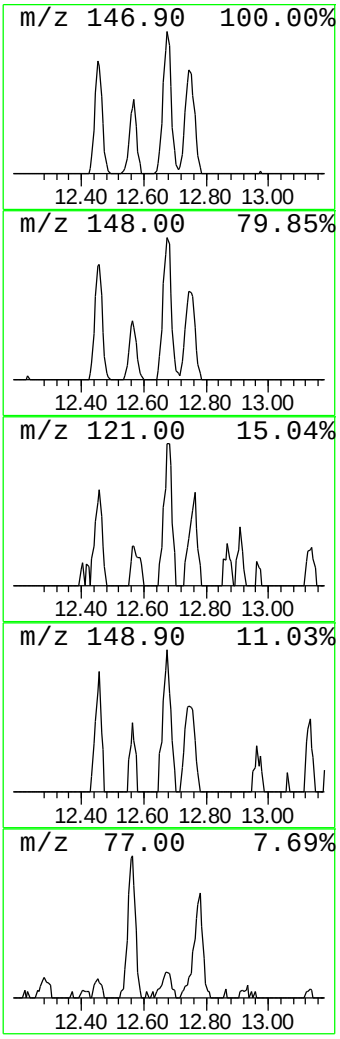
Peak Number 8 Benzo[b]thiophene, 4-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	8.51 ng/ul	52580	Naphthalene-d8	10.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	90
2	Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	90
3	3-Methylbenzothiophene	148	C9H8S	001455-18-1	87
4	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	86
5	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	86





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Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N42

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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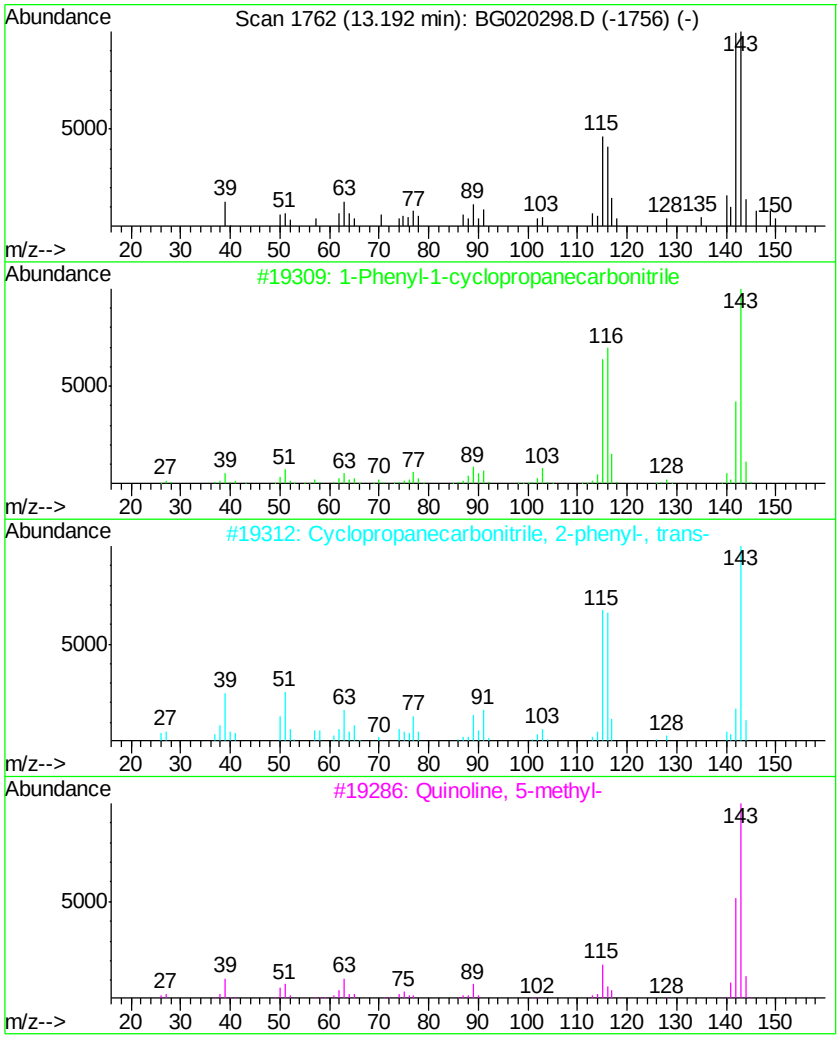
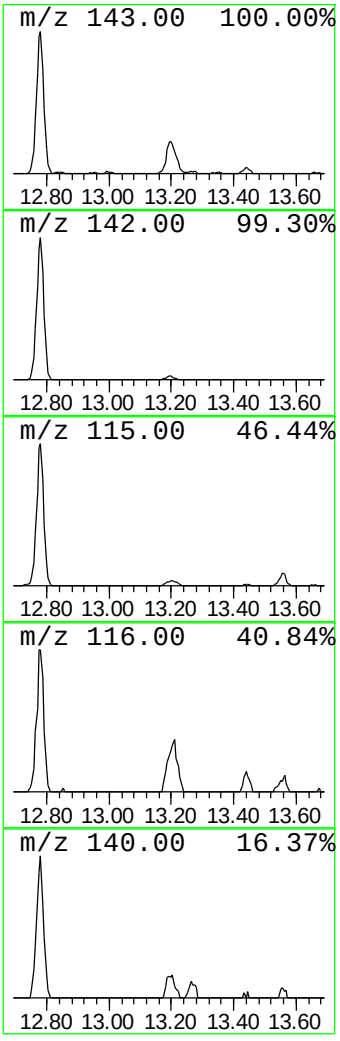
Peak Number 9 1-Phenyl-1-cyclopropanecarb... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	4.10 ng/ul	50141	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-cyclopropanecarbonitrile	143	C10H9N	000935-44-4	81
2	Cyclopropanecarbonitrile, 2-phen...	143	C10H9N	005590-14-7	70
3	Quinoline, 5-methyl-	143	C10H9N	007661-55-4	64
4	Quinoline, 4-methyl-	143	C10H9N	000491-35-0	60
5	Quinoline, 6-methyl-	143	C10H9N	000091-62-3	58





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Misc :
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ClientSampleId : D9N42

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Quant Title : SVOA CALIBRATION

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

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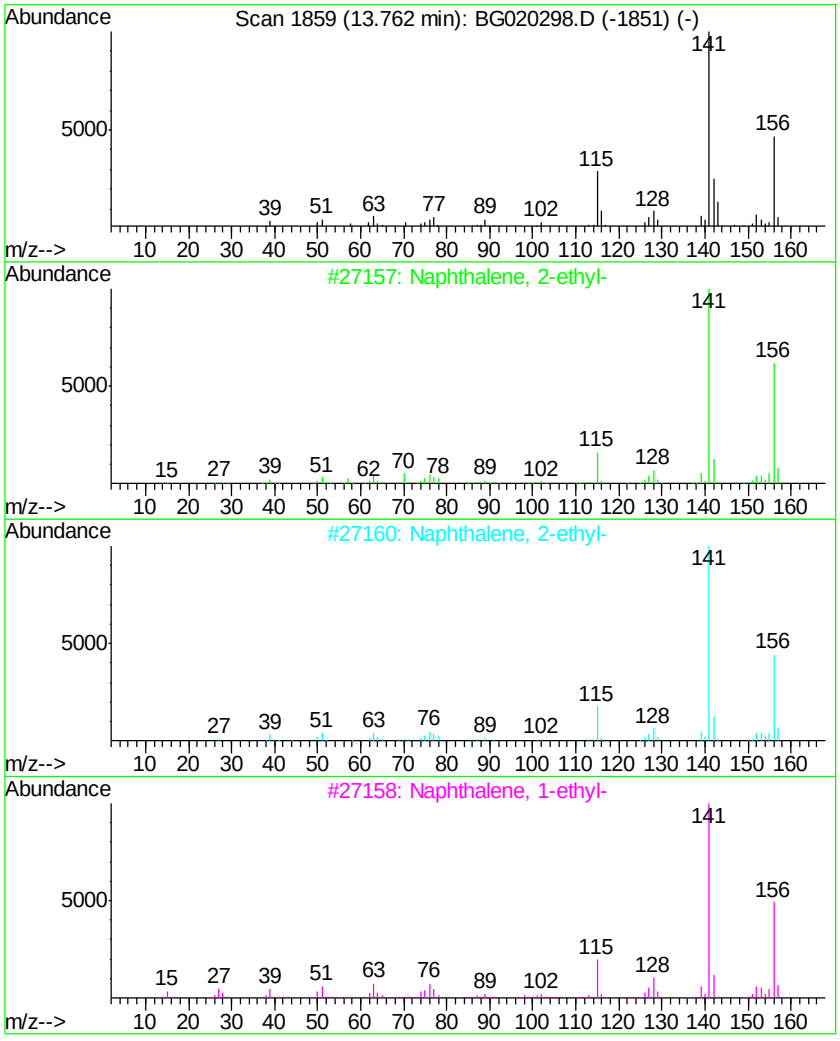
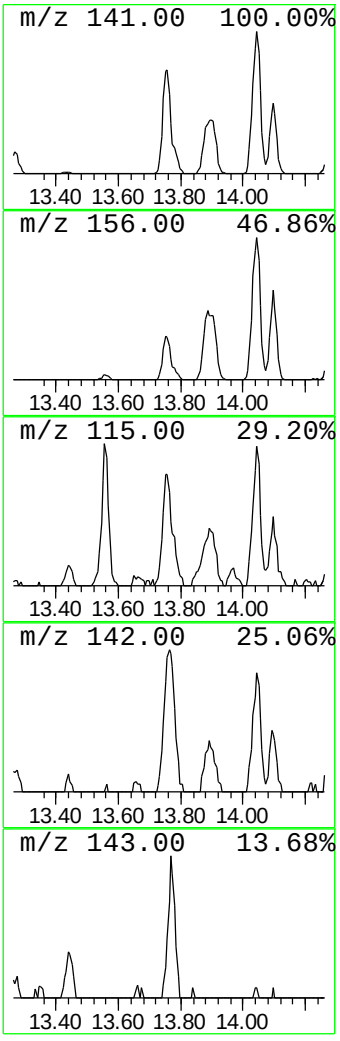
Peak Number 10 Naphthalene, 2-ethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	9.74 ng/ul	119007	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	93
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	91
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	91





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Sample : G4768-18
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N42

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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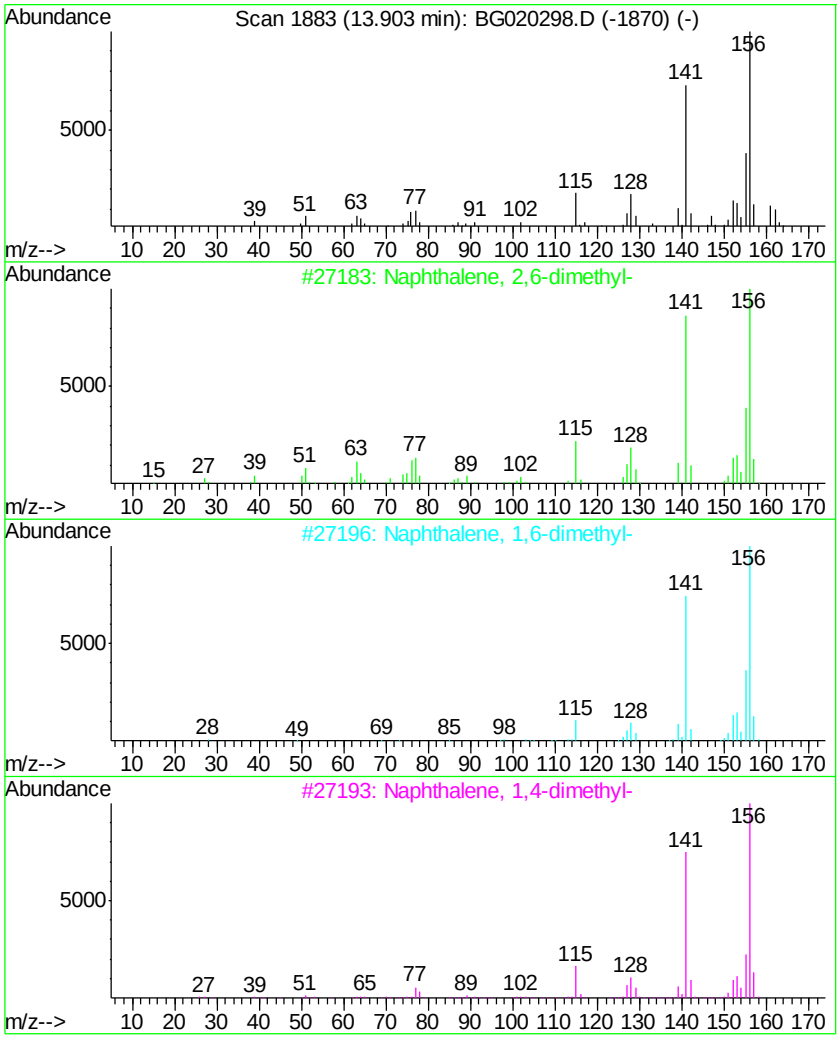
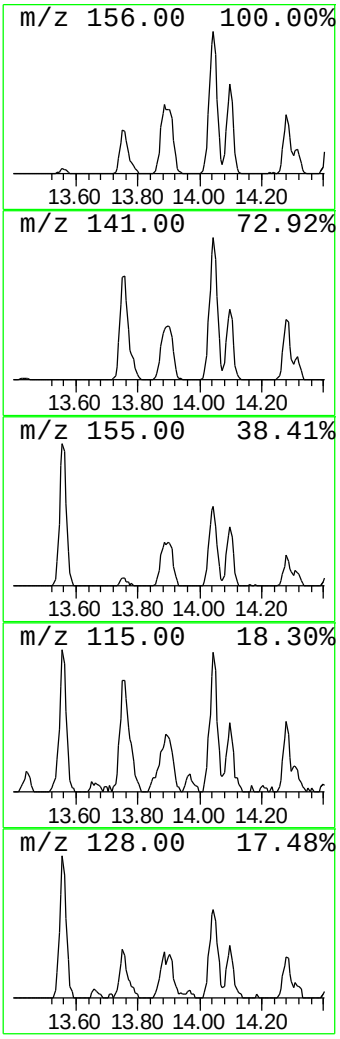
Peak Number 11 Naphthalene, 2,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	12.27 ng/ul	149952	Acenaphthene-d10	14.73

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	95
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95





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Misc :
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Quant Title : SVOA CALIBRATION

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

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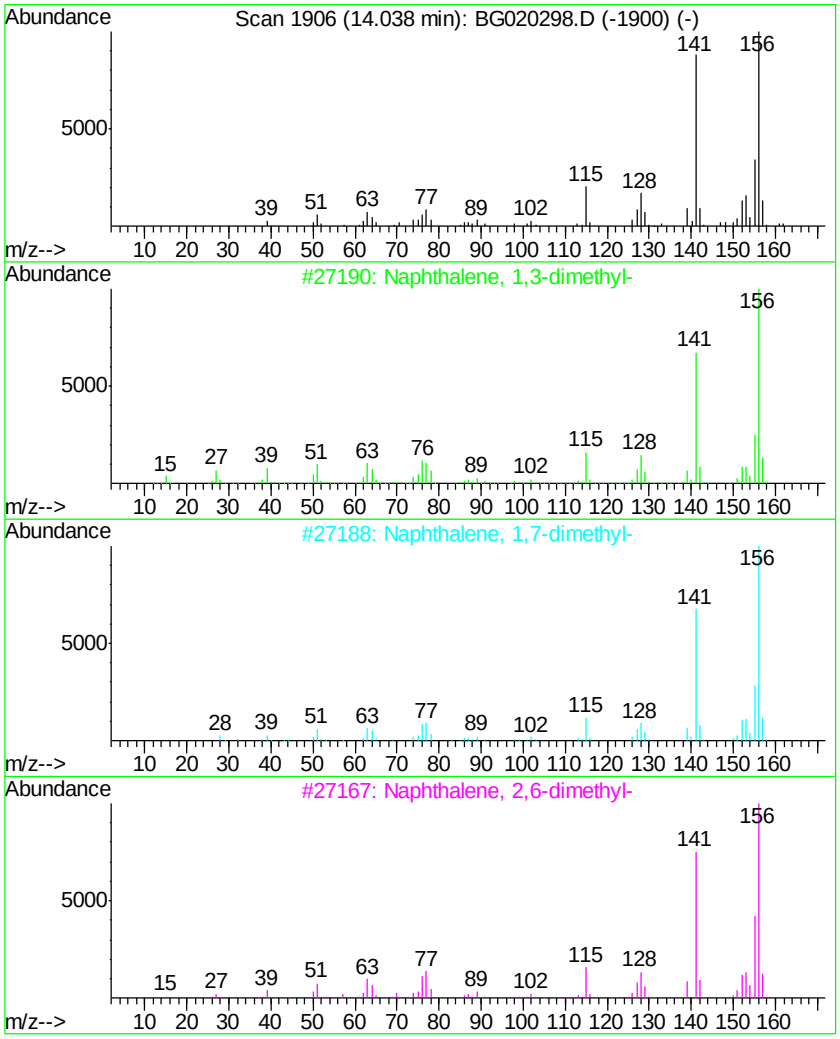
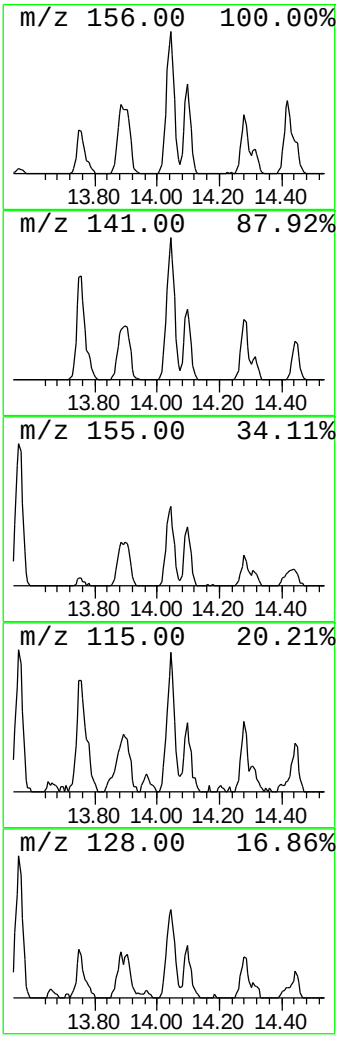
Peak Number 12 Naphthalene, 1,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	16.08 ng/ul	196409	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





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Misc :
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Instrument : BNA_G
ClientSampleId : D9N42

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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 2-Naphthalenecarbonitrile Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	57.93 ng/ul	707705	Acenaphthene-d10	14.73

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	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
4	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	91
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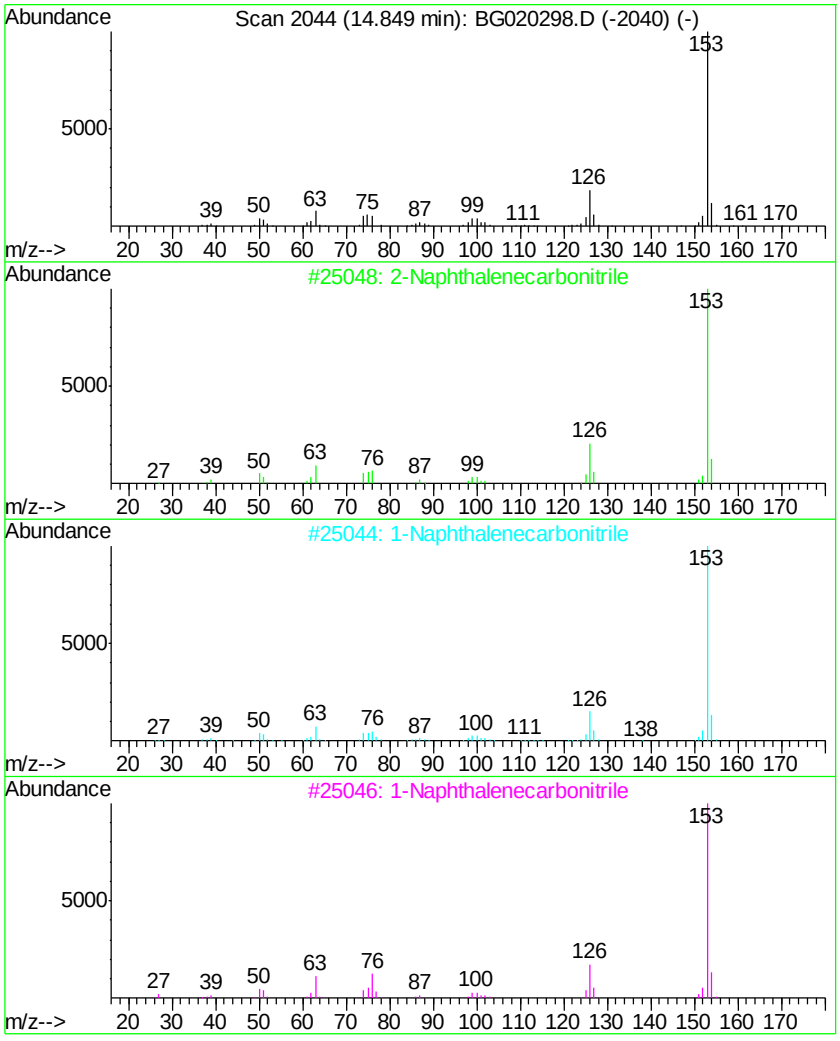

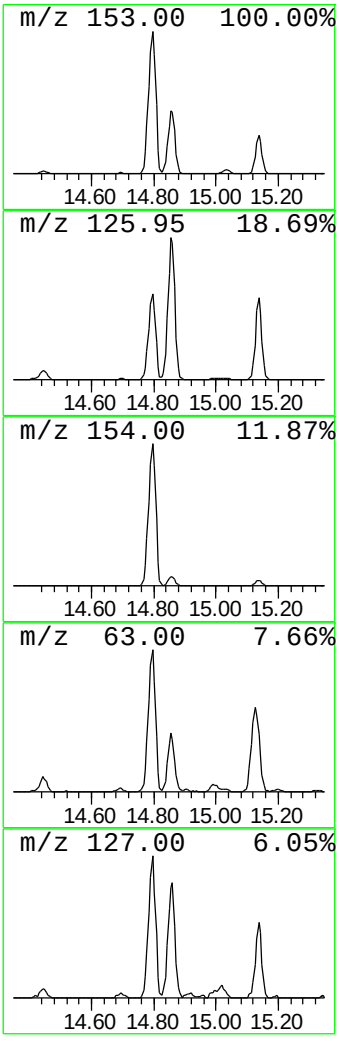

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Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N42

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Quant Title : SVOA CALIBRATION

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

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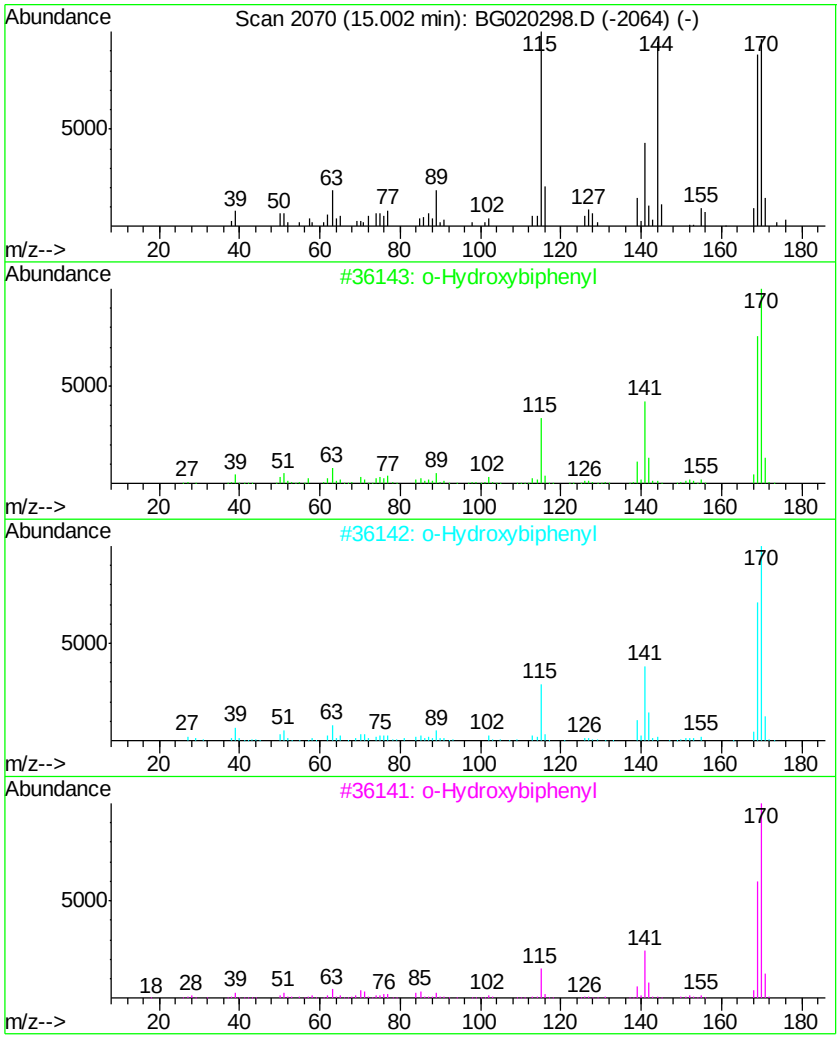
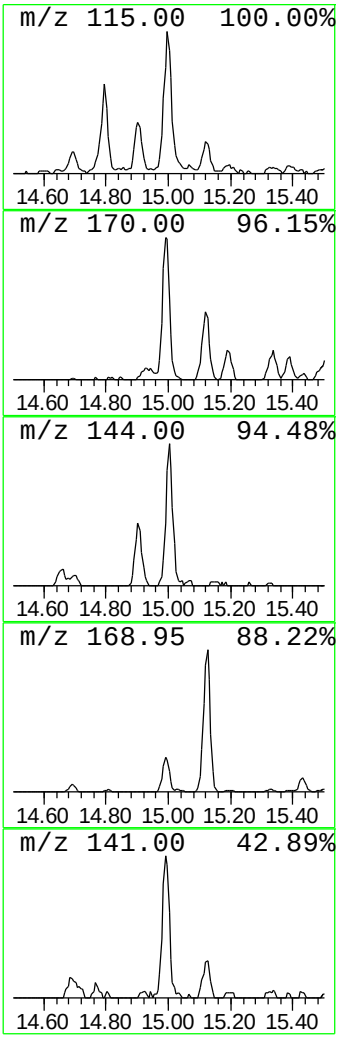
Peak Number 15 o-Hydroxybiphenyl Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.00	11.65 ng/ul	142313	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	93
2	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	76
3	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	52
4	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	46
5	Benzaldehyde, 2-fluoro-4-hydroxy...	170	C8H7FO3	079418-75-0	43





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Sample : G4768-18
Misc :
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Instrument : BNA_G
ClientSampleId : D9N42

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Quant Title : SVOA CALIBRATION

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

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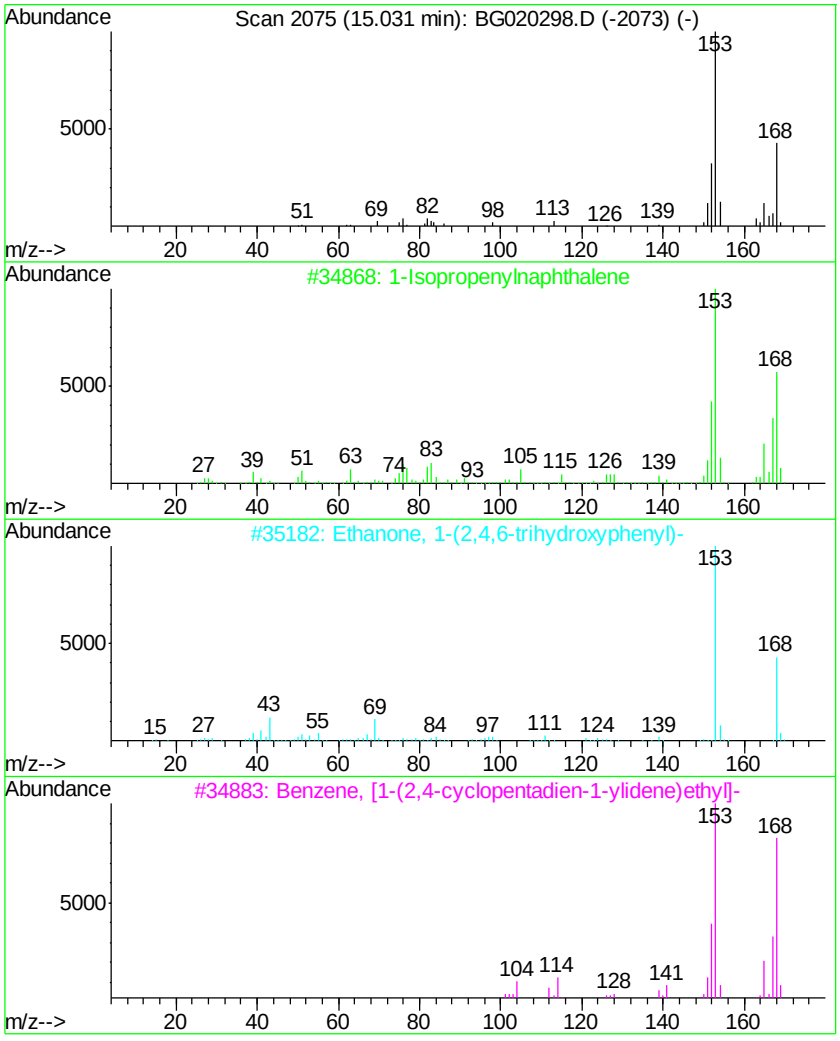
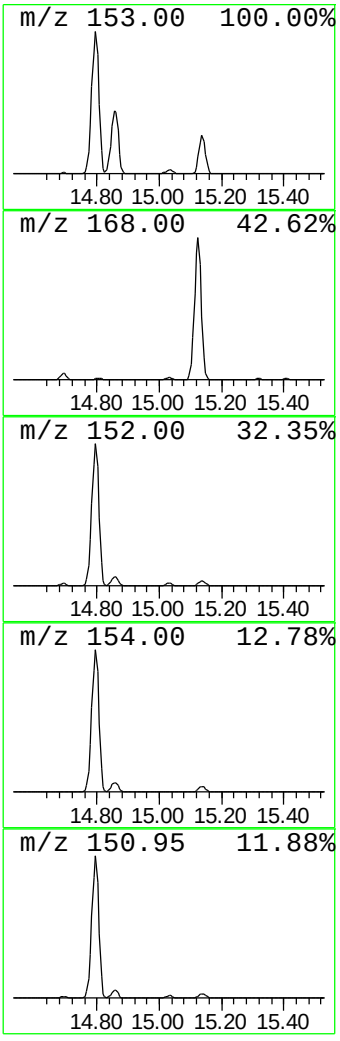
Peak Number 16 1-Isopropenylnaphthalene Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	4.47 ng/ul	54583	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	86
2	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	40
3	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	33
4	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	33
5	4-Cyano-4-hydroxy-1,2.5-trimethy...	168	C9H16N2O	051871-79-5	33





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Quant Title : SVOA CALIBRATION

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

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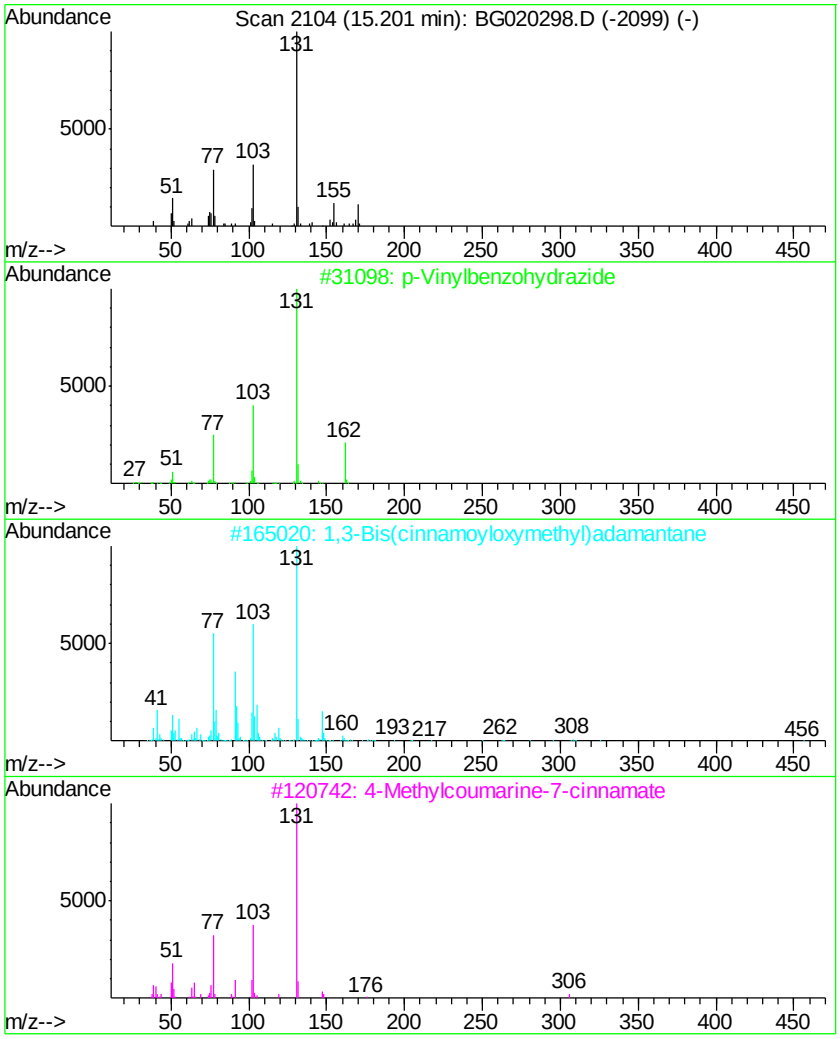
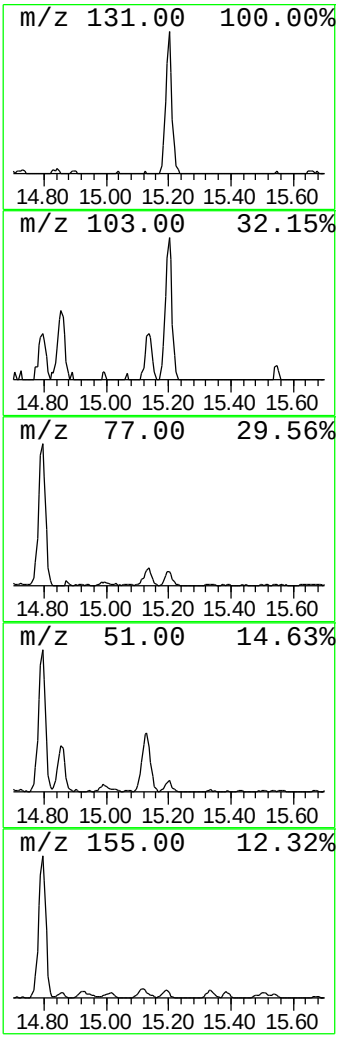
Peak Number 17 p-Vinylbenzohydrazide Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	4.90 ng/ul	59911	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Vinylbenzohydrazide	162	C9H10N2O	1000244-74-9	64
2	1,3-Bis(cinnamoyloxymethyl)adama...	456	C30H32O4	303797-58-2	64
3	4-Methylcoumarine-7-cinnamate	306	C19H14O4	300829-05-4	64
4	Propanedioic acid, nitrile, hydr...	229	C12H11N3O2	294878-35-6	64
5	2-Propenoyl chloride, 3-phenyl-,...	166	C9H7ClO	017082-09-6	59





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Quant Title : SVOA CALIBRATION

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

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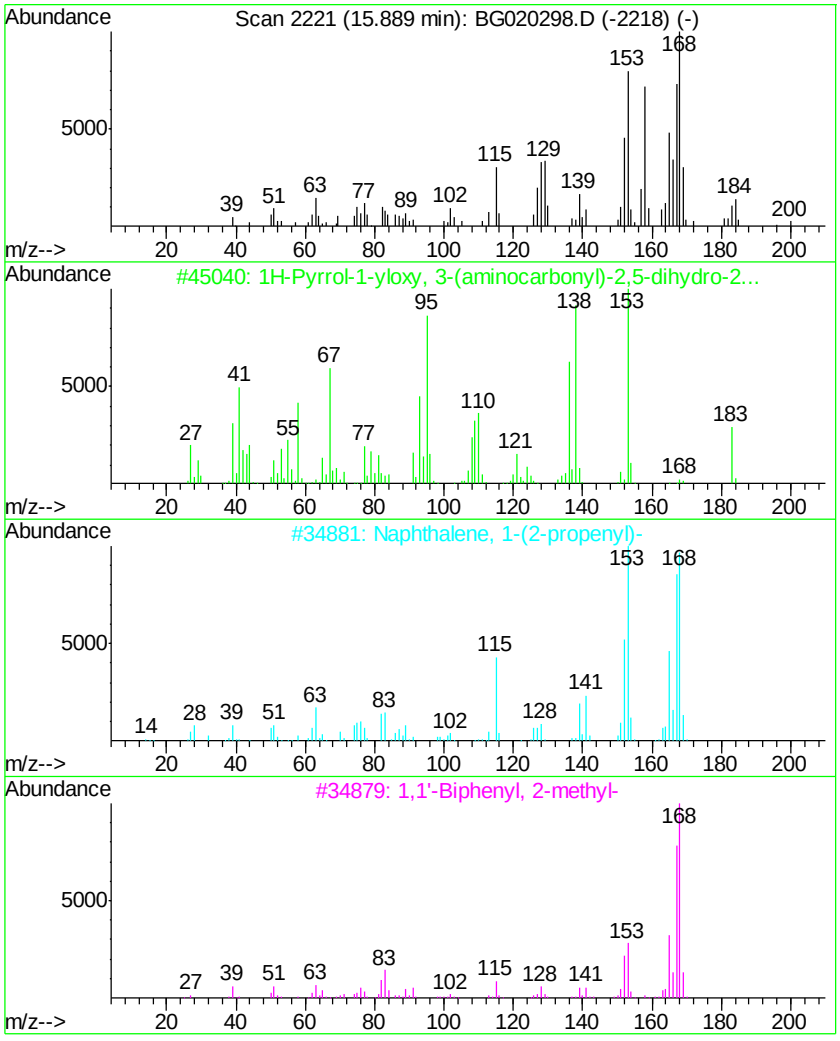
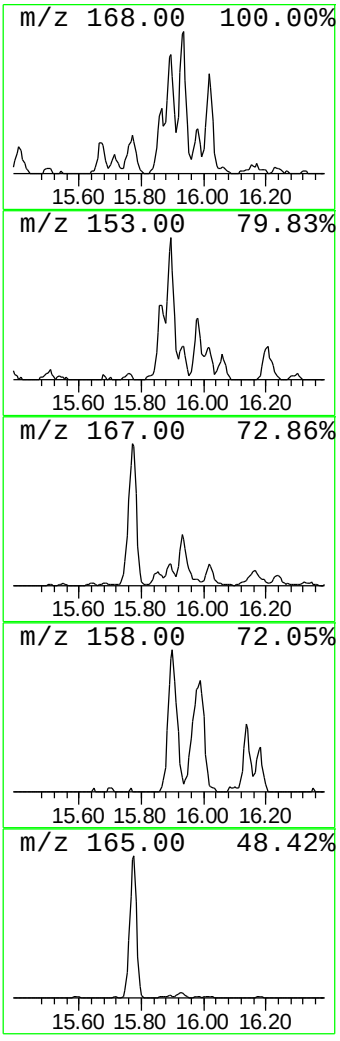
Peak Number 18 1H-Pyrrol-1-yloxy, 3-(amino... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.89	13.66 ng/ul	166879	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Pyrrol-1-yloxy, 3-(aminocarbo...	183	C9H15N2O2	003229-73-0	90
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	83
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	64
4	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	60
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	55





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Quant Title : SVOA CALIBRATION

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

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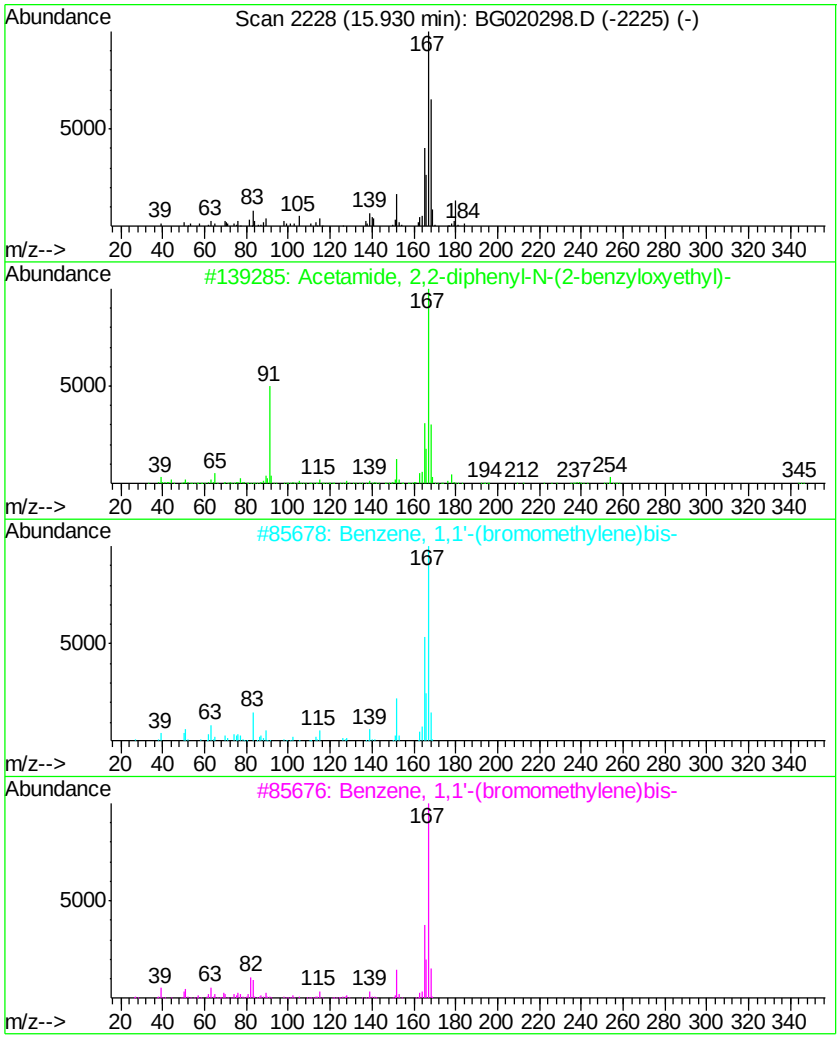
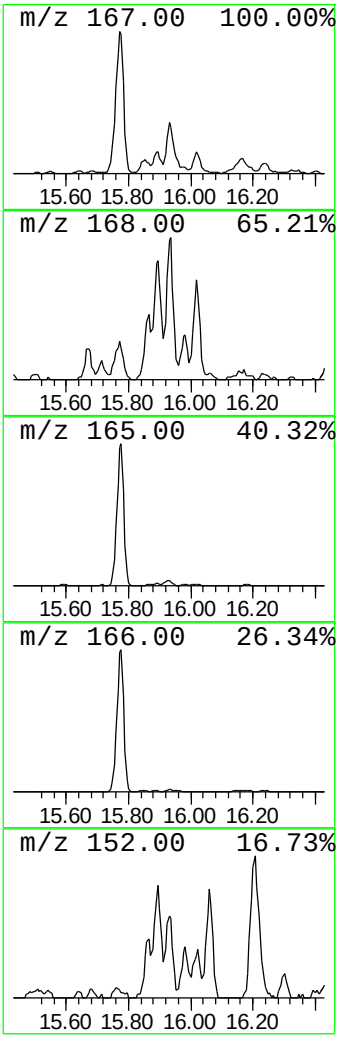
Peak Number 19 Acetamide, 2,2-diphenyl-N-(... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	13.27 ng/ul	162093	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetamide, 2,2-diphenyl-N-(2-ben...	345	C23H23NO2	329919-60-0	64
2	Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	59
3	Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	58
4	Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	58
5	Benzene, 1,1'-[(4-methylphenyl)...	290	C20H18S	032110-49-9	53





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Acq On : 19 Dec 2015 6:09
Operator : UM/SJ
Sample : G4768-18
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N42

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Quant Title : SVOA CALIBRATION

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

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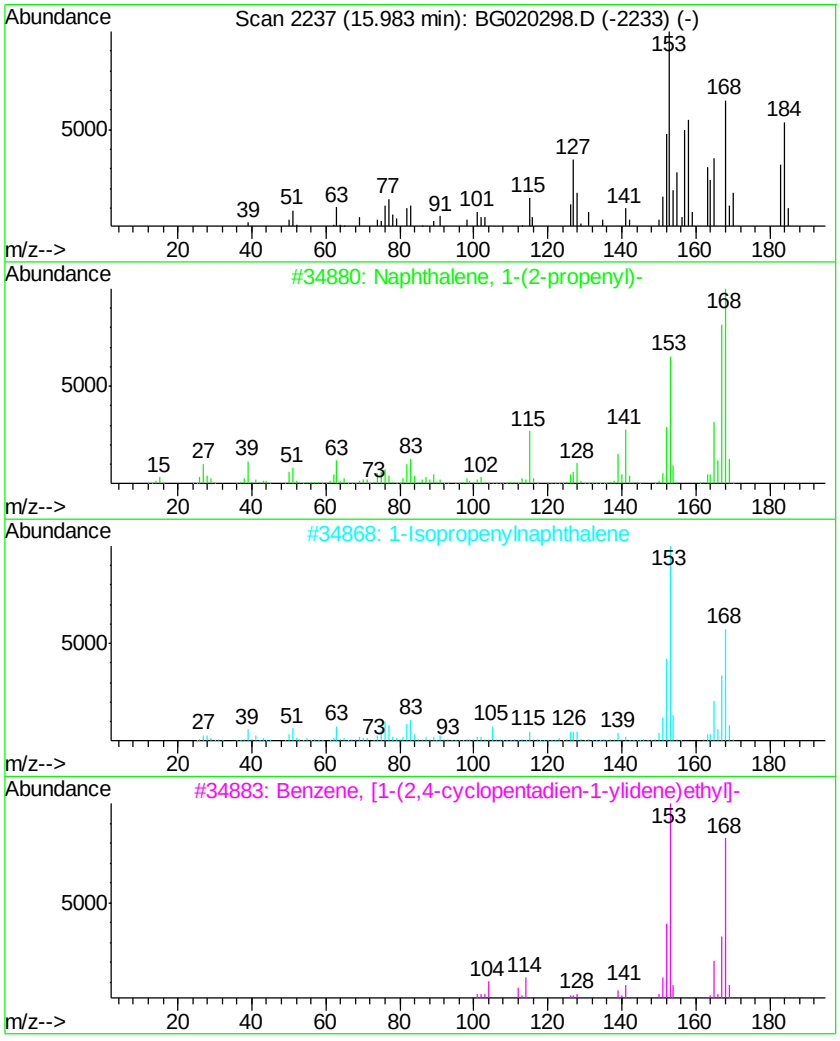
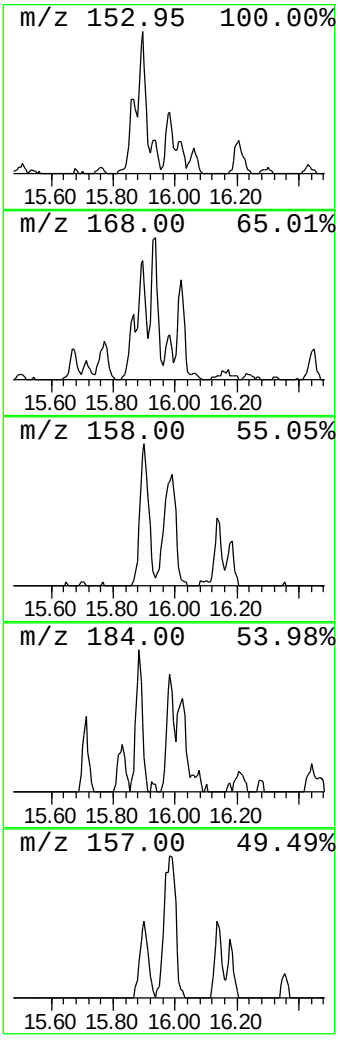
Peak Number 20 unknown-01 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.98	8.38 ng/ul	102400	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	46
2	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	38
3	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	35
4	1,1,4,4-Tetramethyl-1,4-disilacy...	168	C8H16Si2	020627-53-6	30
5	(1R)-(-)-Thiocamphor	168	C10H16S	053402-10-1	30





Library Search Compound Report

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Operator : UM/SJ
Sample : G4768-18
Misc :
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Instrument : BNA_G
ClientSampleId : D9N42

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Quant Title : SVOA CALIBRATION

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

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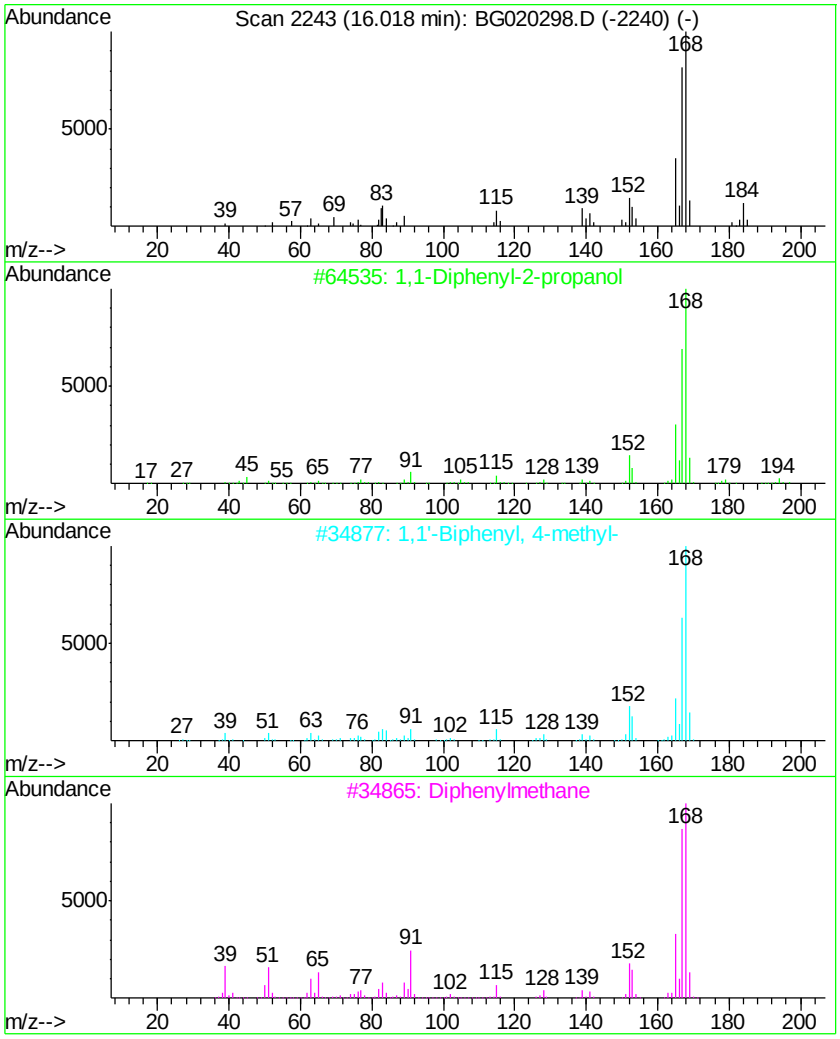
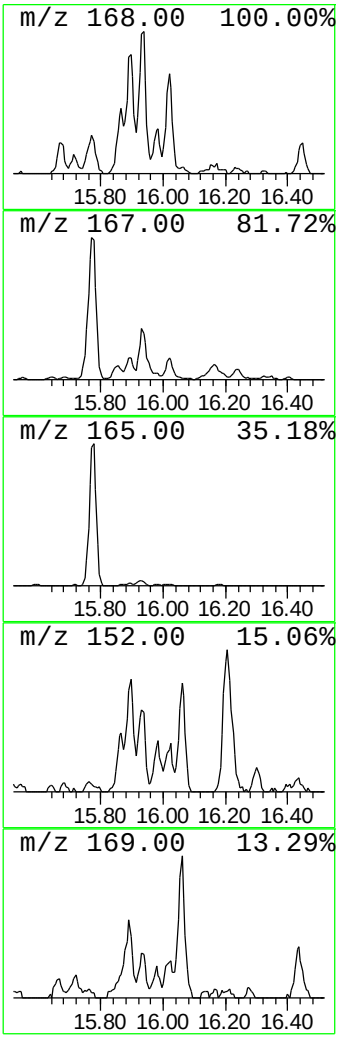
Peak Number 21 1,1-Diphenyl-2-propanol Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	5.74 ng/ul	70130	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1-Diphenyl-2-propanol	212	C15H16O	029338-49-6	78
2	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	72
3	Diphenylmethane	168	C13H12	000101-81-5	72
4	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	64
5	Diphenylmethane	168	C13H12	000101-81-5	64





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Sample : G4768-18
Misc :
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Instrument : BNA_G
ClientSampleId : D9N42

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Quant Title : SVOA CALIBRATION

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

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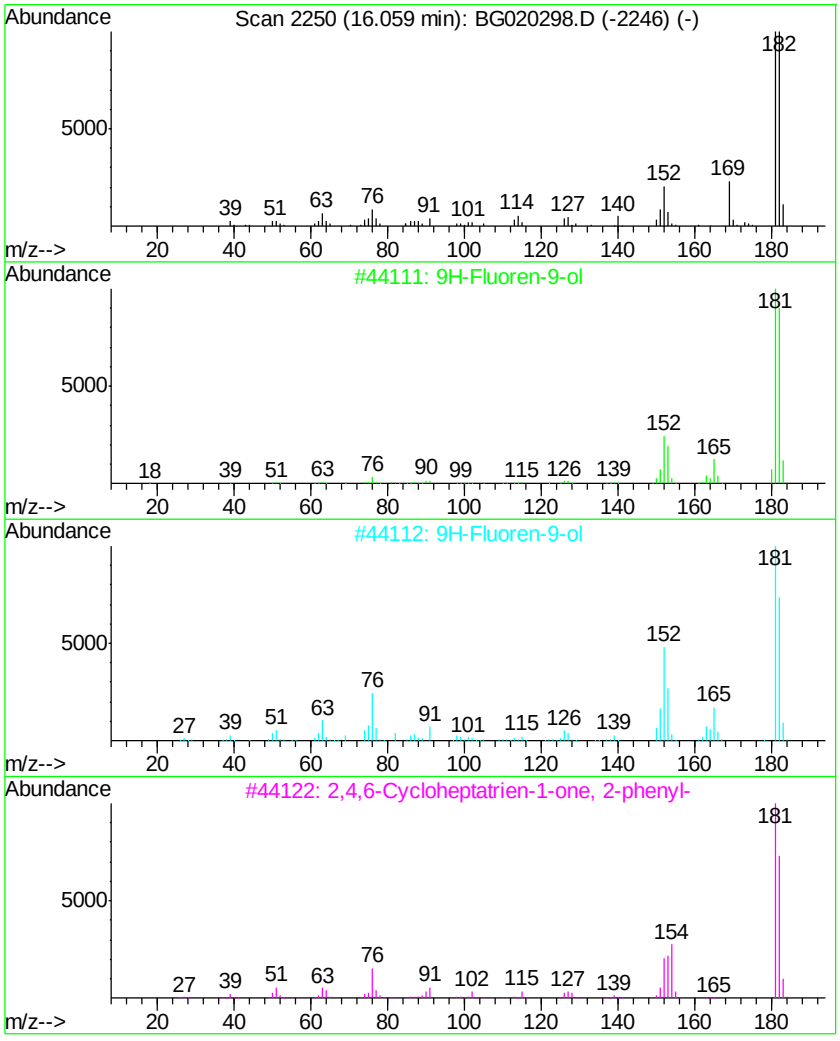
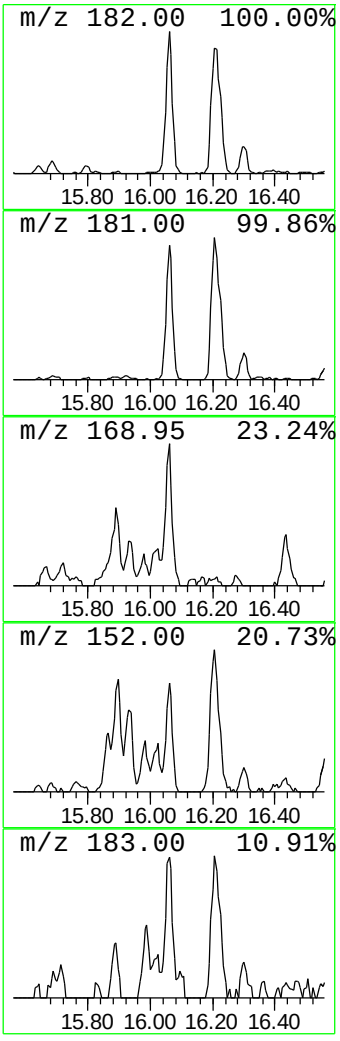
Peak Number 22 9H-Fluoren-9-ol Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	10.90 ng/ul	133146	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	59
4	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	52
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	50





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Acq On : 19 Dec 2015 6:09
Operator : UM/SJ
Sample : G4768-18
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N42

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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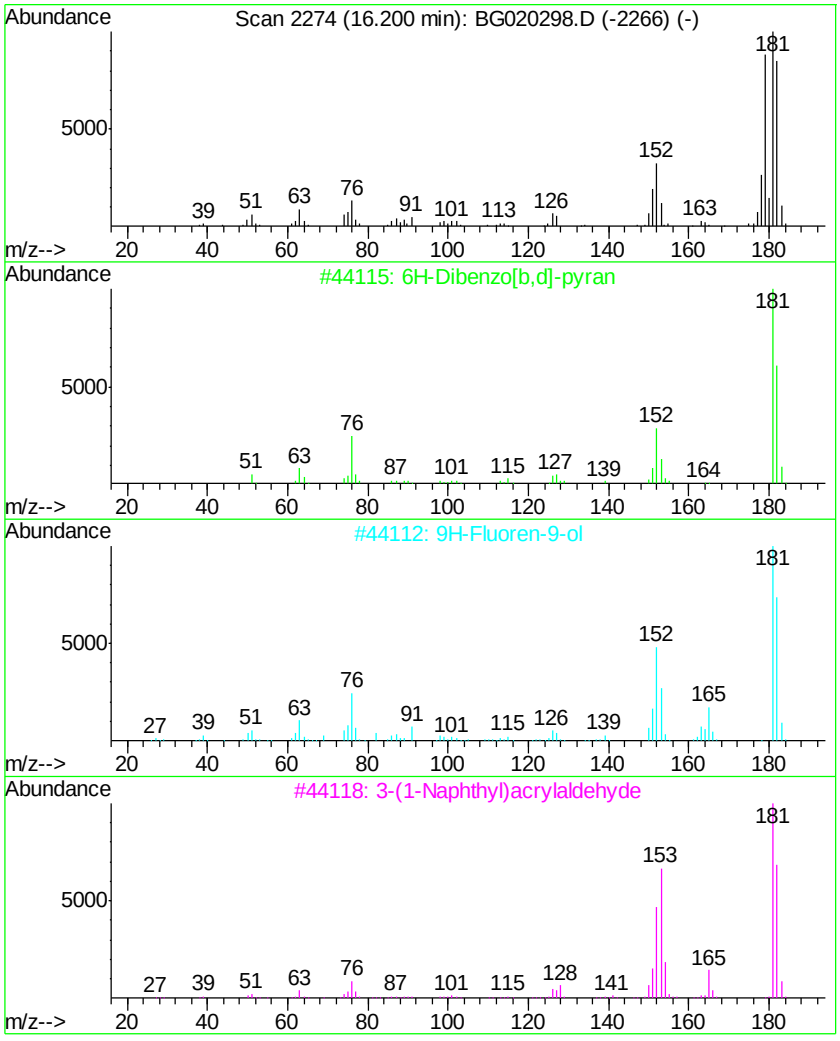
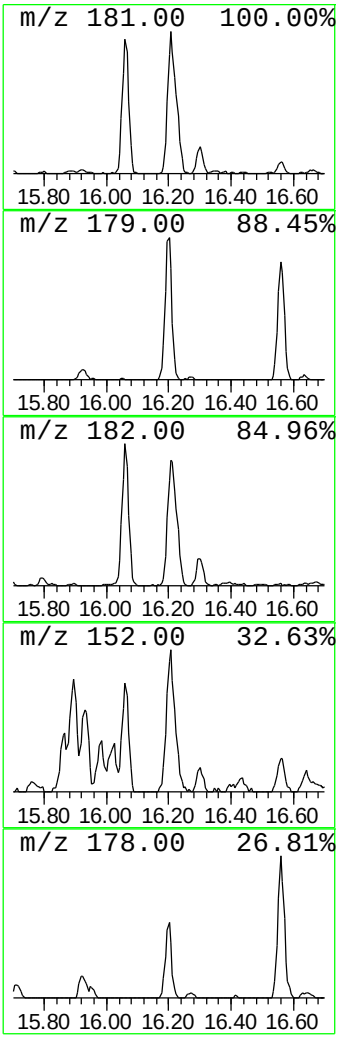
Peak Number 23 6H-Dibenzo[b,d]-pyran Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.20	16.11 ng/ul	284309	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	60
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	55
3	3-(1-Naphthyl)acrylaldehyde	182	C13H10O	001504-73-0	49
4	Phenanthridine	179	C13H9N	000229-87-8	46
5	p-Phenylbenzonitrile	179	C13H9N	002920-38-9	46





Library Search Compound Report

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Data File : BG020298.D
Acq On : 19 Dec 2015 6:09
Operator : UM/SJ
Sample : G4768-18
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N42

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Quant Title : SVOA CALIBRATION

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

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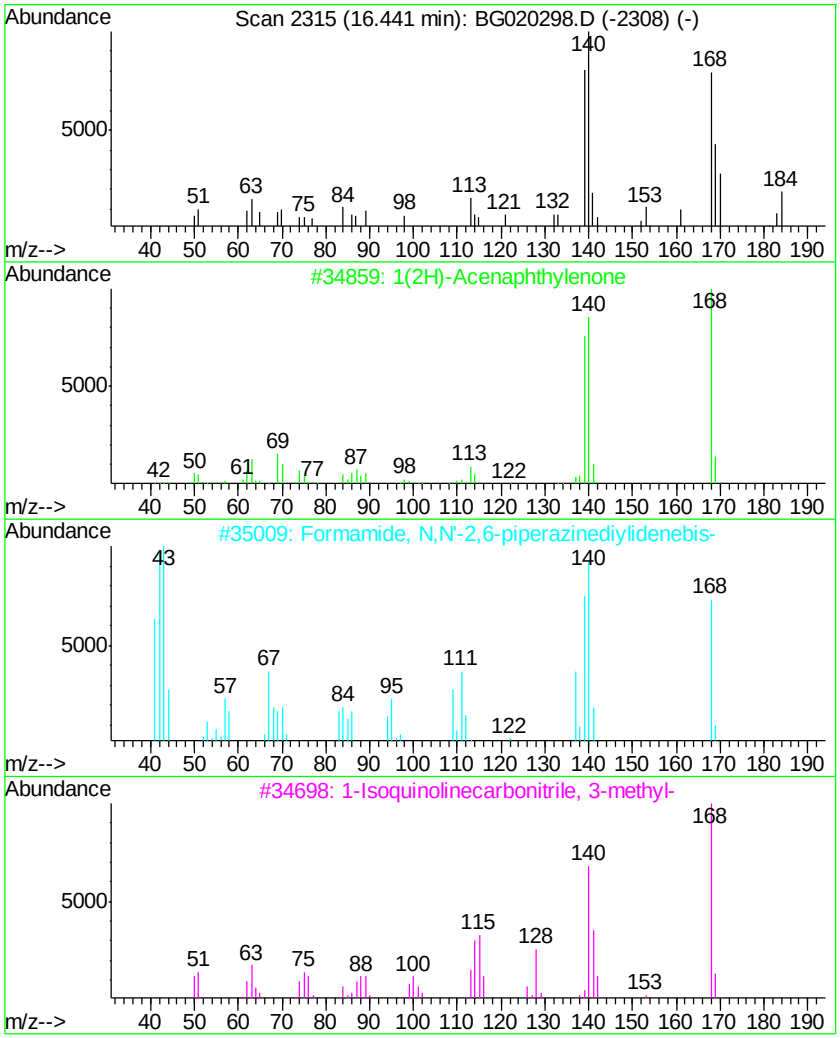
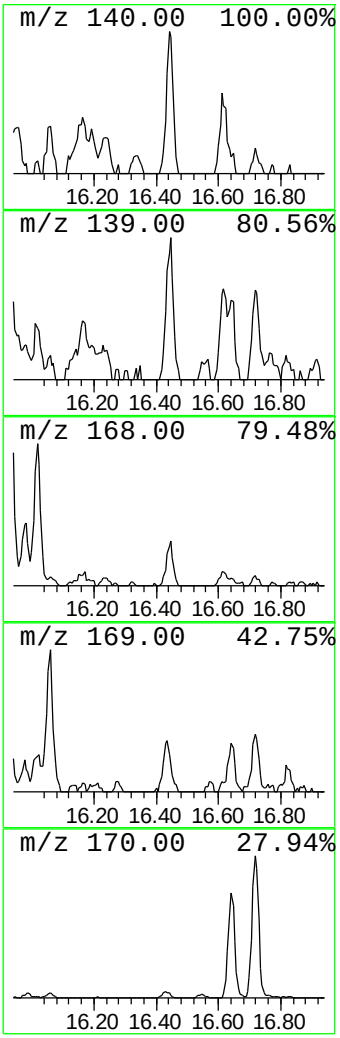
Peak Number 24 1(2H)-Acenaphthylenone Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.44	2.08 ng/ul	36712	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	86
2	Formamide, N,N'-2,6-piperazinedi...	168	C6H8N4O2	035975-28-1	38
3	1-Isoquinolinecarbonitrile, 3-me...	168	C11H8N2	022381-52-8	38
4	3-Fluorosalicylaldehyde	140	C7H5FO2	000394-50-3	27
5	Benzene, 2,4-pentadiynyl-	140	C11H8	041268-41-1	27





Library Search Compound Report

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Data File : BG020298.D
Acq On : 19 Dec 2015 6:09
Operator : UM/SJ
Sample : G4768-18
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N42

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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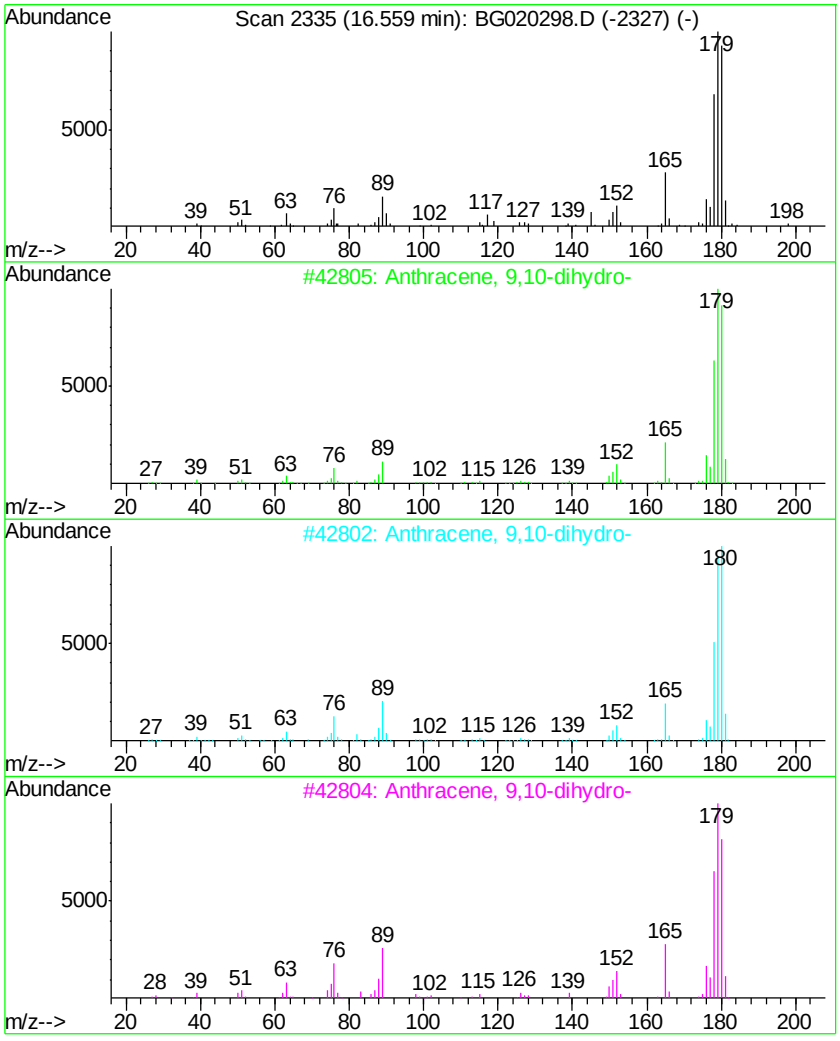
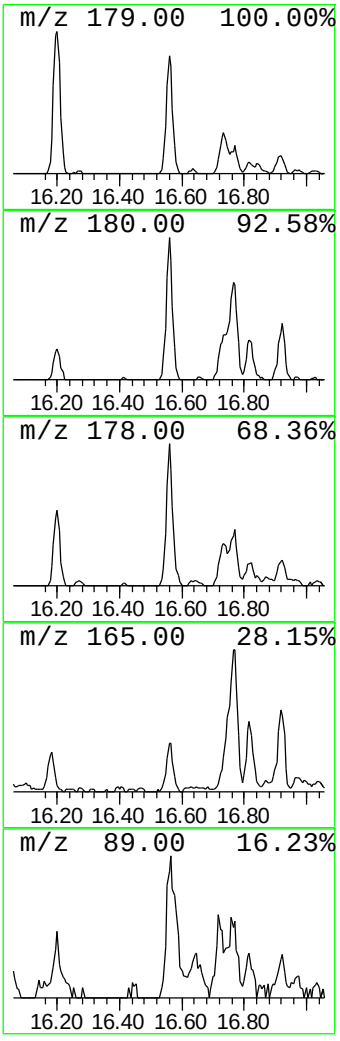
Peak Number 25 Anthracene, 9,10-dihydro- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.56	7.14 ng/ul	125897	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	97
2	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
3	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
4	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
5	(E)-Stilbene	180	C14H12	000103-30-0	94





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Operator : UM/SJ
Sample : G4768-18
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N42

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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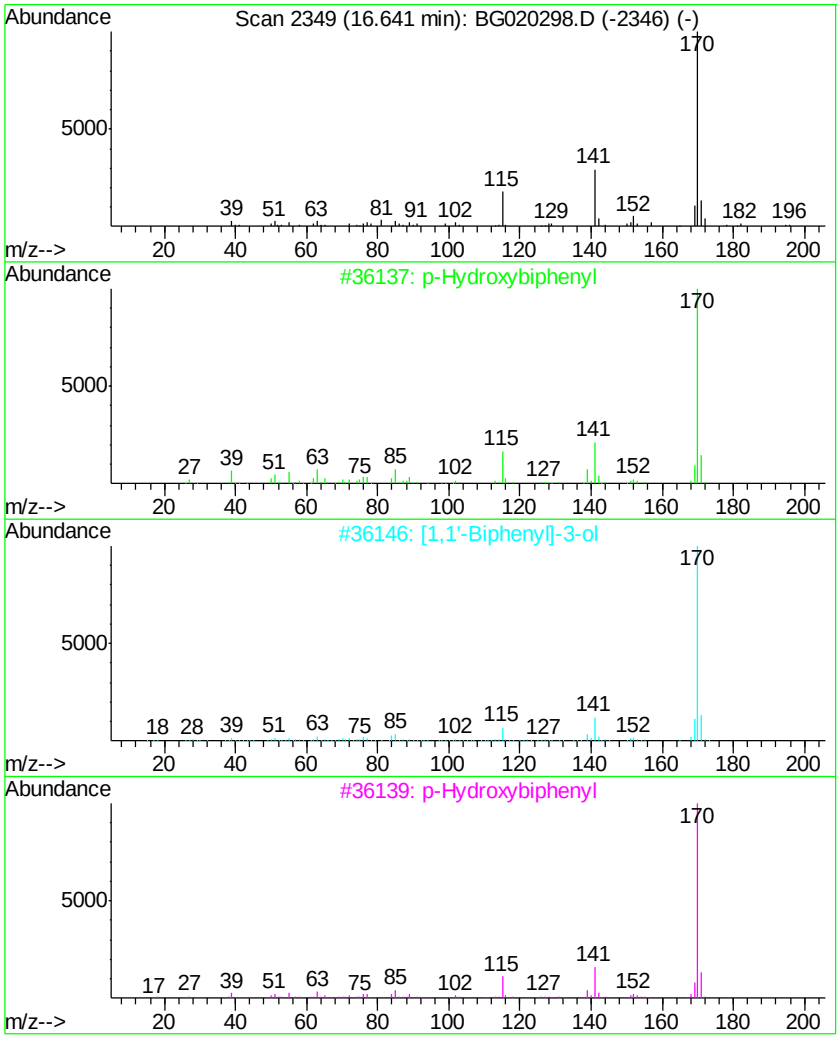
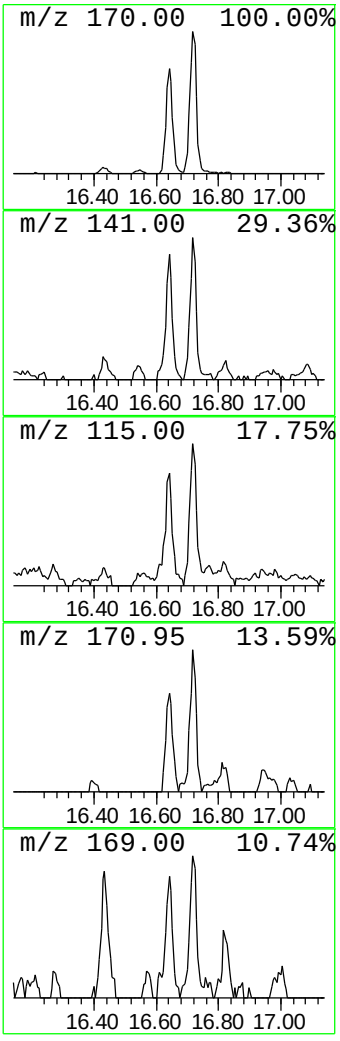
Peak Number 26 p-Hydroxybiphenyl Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.64	4.94 ng/ul	87248	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	90
2	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	87
3	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	87
4	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	87
5	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	87





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Instrument : BNA_G
ClientSampleId : D9N42

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Quant Title : SVOA CALIBRATION

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

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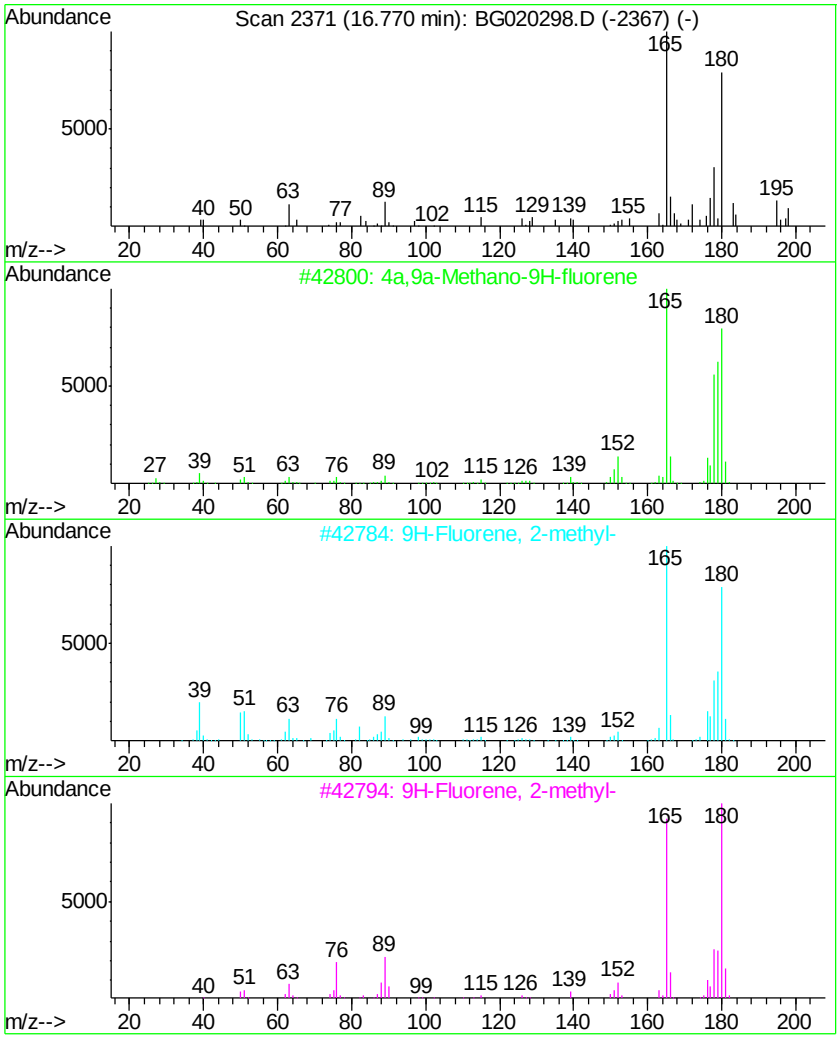
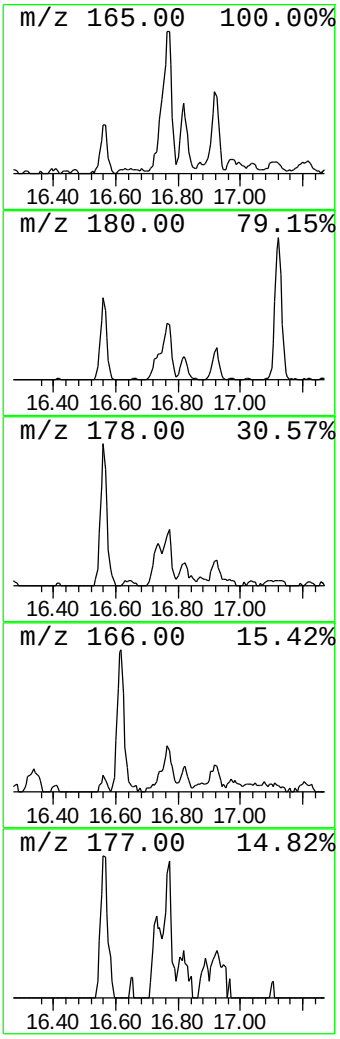
Peak Number 28 4a,9a-Methano-9H-fluorene Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	4.05 ng/ul	71501	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	53
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	52
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	50
4	Silane, trimethyl(2-methylphenoxy)-	180	C10H16OSi	001009-02-5	50
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	50





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Sample : G4768-18
Misc :
ALS Vial : 30 Sample Multiplier: 1

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ClientSampleId : D9N42

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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 9H-Fluorene, 9-methyl- Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.82	3.02 ng/ul	53223	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	55
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	55
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	49
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	49
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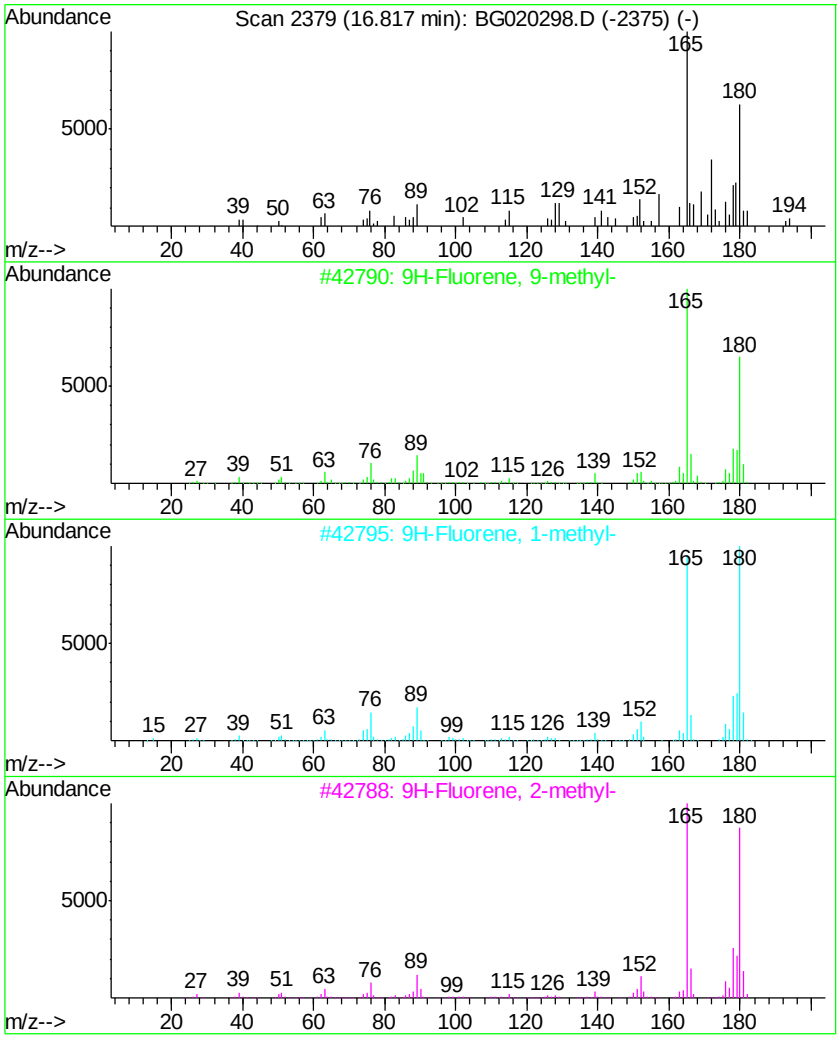

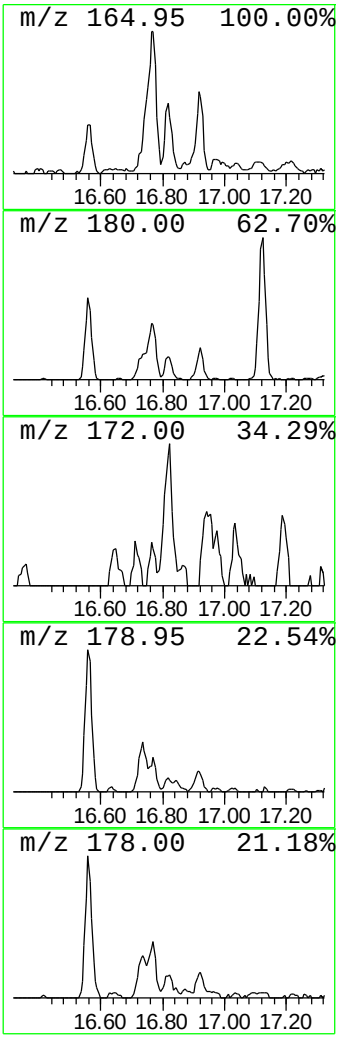

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Sample : G4768-18
Misc :
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Quant Title : SVOA CALIBRATION

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

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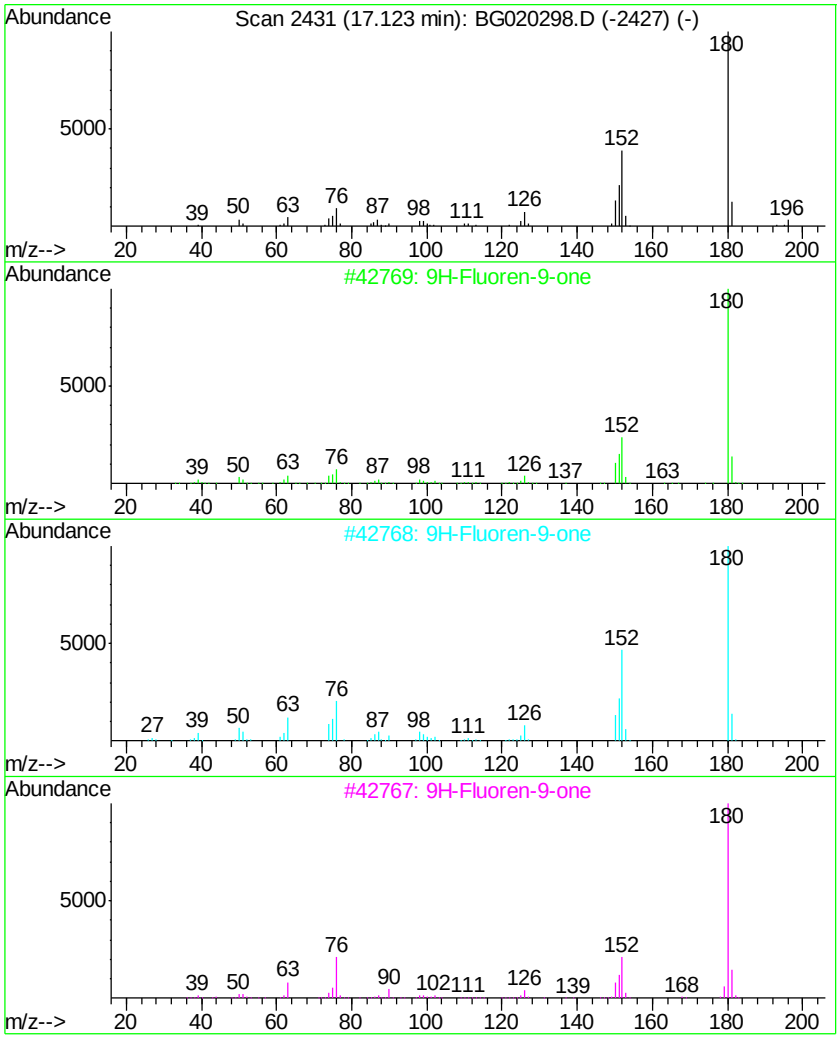
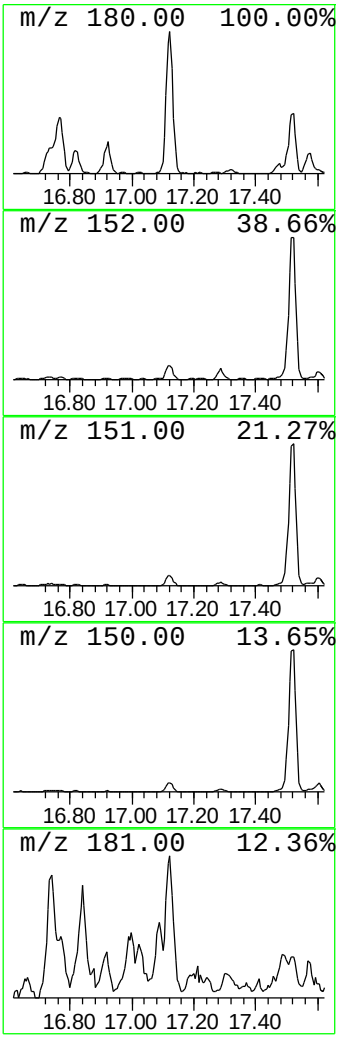
Peak Number 31 9H-Fluoren-9-one Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.12	5.70 ng/ul	100608	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	94
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91





Library Search Compound Report

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Sample : G4768-18
Misc :
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Quant Title : SVOA CALIBRATION

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

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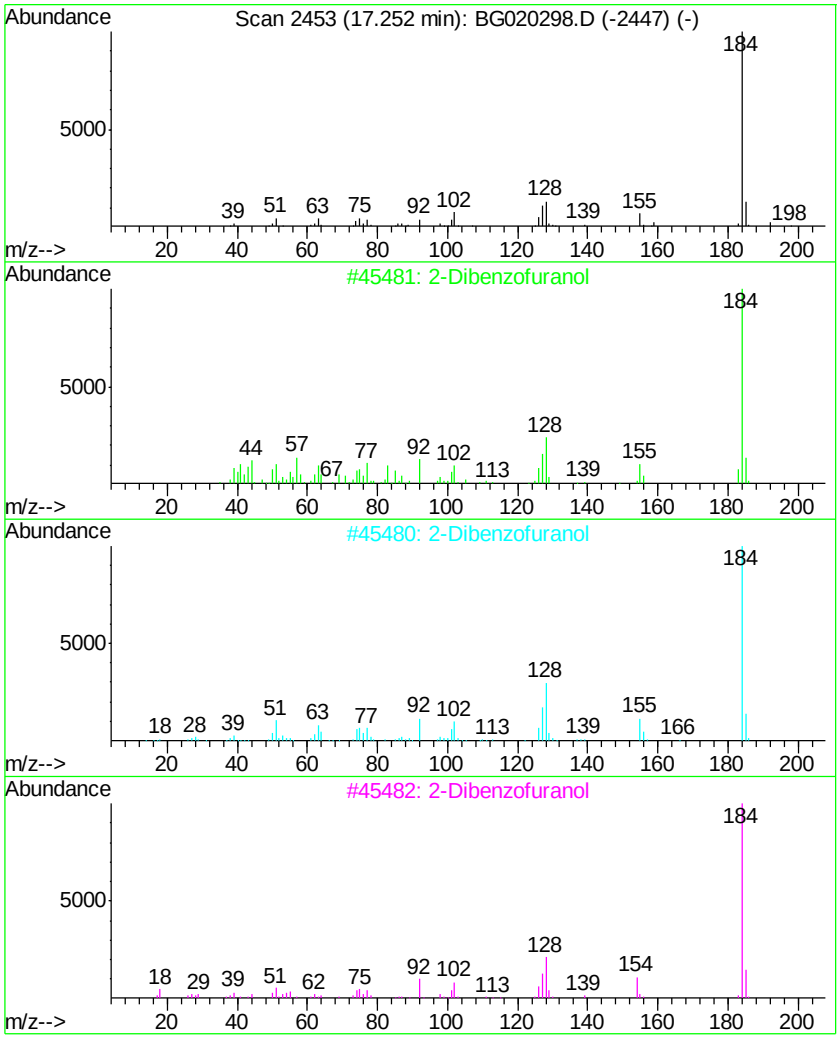
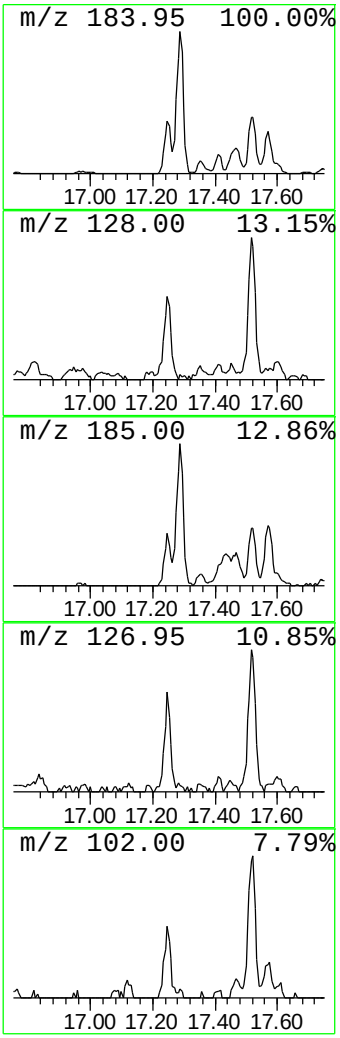
Peak Number 32 2-Dibenzofuranol Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.25	4.45 ng/ul	78490	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Dibenzofuranol	184	C12H8O2	000086-77-1	91
2	2-Dibenzofuranol	184	C12H8O2	000086-77-1	91
3	2-Dibenzofuranol	184	C12H8O2	000086-77-1	91
4	2-Dibenzofuranol	184	C12H8O2	000086-77-1	91
5	Dibenzo-p-dioxin	184	C12H8O2	000262-12-4	87





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Acq On : 19 Dec 2015 6:09
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Sample : G4768-18
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ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N42

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Quant Title : SVOA CALIBRATION

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

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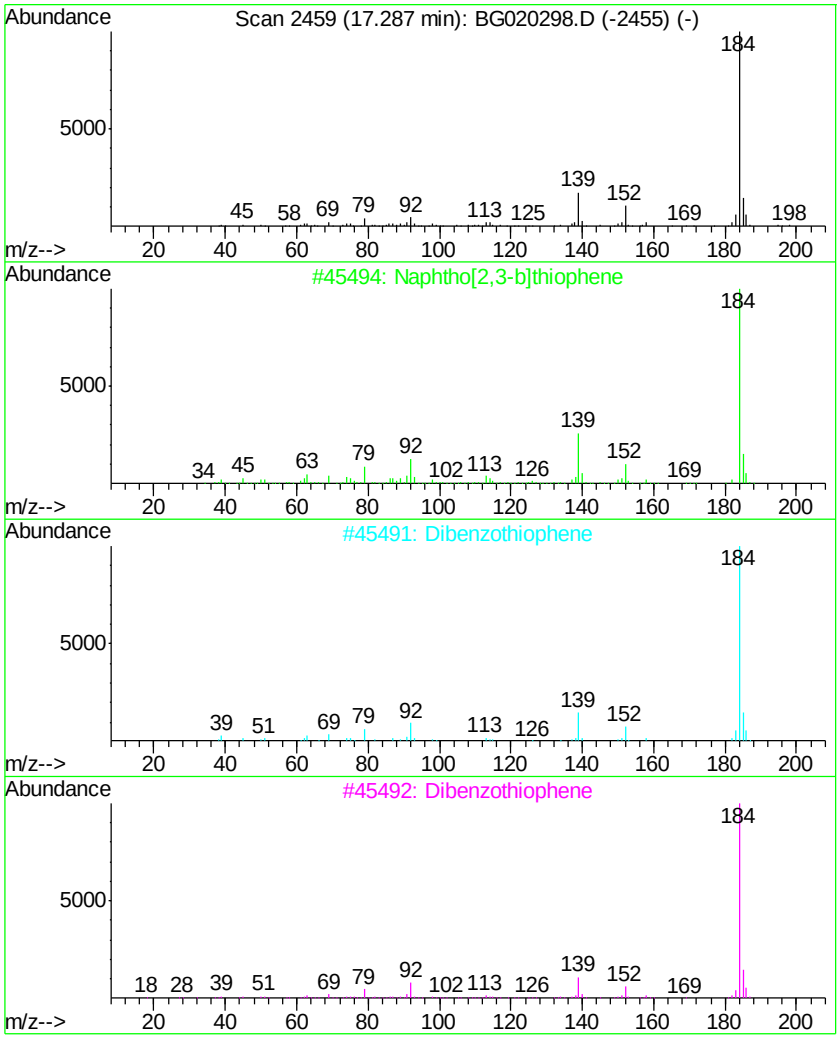
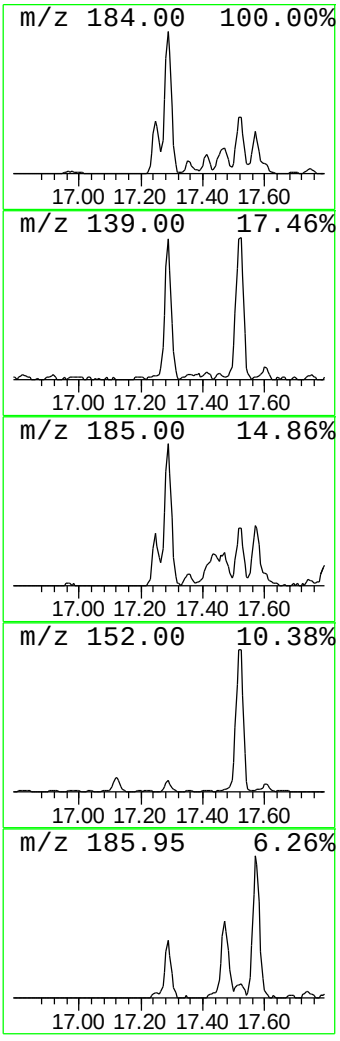
Peak Number 33 Naphtho[2,3-b]thiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.29	13.22 ng/ul	233204	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	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
Data File : BG020298.D
Acq On : 19 Dec 2015 6:09
Operator : UM/SJ
Sample : G4768-18
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N42

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...	3.19	8.2	ng/ul	40689	1	8.09	99897	20.0
Indane	8.47	10.7	ng/ul	53552	1	8.09	99897	20.0
Indene	8.63	100.5	ng/ul	501944	1	8.09	99897	20.0
Benzofuran, 7-met...	9.58	8.3	ng/ul	51276	2	10.92	123637	20.0
2-Benzothiophene #	11.08	52.2	ng/ul	322559	2	10.92	123637	20.0
Benzo[b]thiophene...	12.45	6.8	ng/ul	42037	2	10.92	123637	20.0
Benzo[b]thiophene...	12.68	8.5	ng/ul	52580	2	10.92	123637	20.0
1-Phenyl-1-cyclop...	13.19	4.1	ng/ul	50141	3	14.73	244327	20.0
Naphthalene, 2-et...	13.76	9.7	ng/ul	119007	3	14.73	244327	20.0
Naphthalene, 2,6-...	13.90	12.3	ng/ul	149952	3	14.73	244327	20.0
Naphthalene, 1,3-...	14.04	16.1	ng/ul	196409	3	14.73	244327	20.0
2-Naphthalenecarb...	14.85	57.9	ng/ul	707705	3	14.73	244327	20.0
o-Hydroxybiphenyl	15.00	11.7	ng/ul	142313	3	14.73	244327	20.0
1-Isopropenylnaph...	15.03	4.5	ng/ul	54583	3	14.73	244327	20.0
p-Vinylbenzohydra...	15.20	4.9	ng/ul	59911	3	14.73	244327	20.0
1H-Pyrrol-1-yloxy...	15.89	13.7	ng/ul	166879	3	14.73	244327	20.0
Acetamide, 2,2-di...	15.93	13.3	ng/ul	162093	3	14.73	244327	20.0
unknown-01	15.98	8.4	ng/ul	102400	3	14.73	244327	20.0
1,1-Diphenyl-2-pr...	16.02	5.7	ng/ul	70130	3	14.73	244327	20.0
9H-Fluoren-9-ol	16.06	10.9	ng/ul	133146	3	14.73	244327	20.0
6H-Dibenzo[b,d]-p...	16.20	16.1	ng/ul	284309	4	17.47	352889	20.0
1(2H)-Acenaphthyl...	16.44	2.1	ng/ul	36712	4	17.47	352889	20.0
Anthracene, 9,10-...	16.56	7.1	ng/ul	125897	4	17.47	352889	20.0
p-Hydroxybiphenyl	16.64	4.9	ng/ul	87248	4	17.47	352889	20.0
4a,9a-Methano-9H-...	16.77	4.0	ng/ul	71501	4	17.47	352889	20.0
9H-Fluorene, 9-me...	16.82	3.0	ng/ul	53223	4	17.47	352889	20.0
9H-Fluoren-9-one	17.12	5.7	ng/ul	100608	4	17.47	352889	20.0
2-Dibenzofuranol	17.25	4.5	ng/ul	78490	4	17.47	352889	20.0
Naphtho[2,3-b]thi...	17.29	13.2	ng/ul	233204	4	17.47	352889	20.0