LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020517.D
Acq On : 25 Dec 2015 23:44
Operator : UM/SJ
Sample : G4847-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N71

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	3.096	39	44	53	rBV	38957	68817	0.99%	0.197%
2	3.172	53	57	66	rVB	31523	44562	0.64%	0.127%
3	7.238	741	749	754	rBV3	14648	28206	0.41%	0.081%
4	7.396	770	776	783	rBV	54408	89092	1.29%	0.255%
5	7.602	806	811	820	rVB	54683	95092	1.37%	0.272%
6	7.720	824	831	837	rVB	15811	25062	0.36%	0.072%
7	8.078	885	892	898	rBV	54136	91028	1.32%	0.260%
8	8.448	947	955	962	rBB	26026	45189	0.65%	0.129%
9	8.619	977	984	992	rVB	114792	199306	2.88%	0.570%
10	8.783	1004	1012	1020	rBV2	47025	85249	1.23%	0.244%
11	9.241	1084	1090	1100	rBV	72877	137986	1.99%	0.395%
12	9.559	1133	1144	1151	rBV4	12835	29631	0.43%	0.085%
13	9.970	1207	1214	1225	rBV2	66697	114692	1.66%	0.328%
14	10.287	1259	1268	1279	rBV5	30416	82341	1.19%	0.236%
15	10.393	1279	1286	1297	rVV5	16158	48459	0.70%	0.139%
16	10.516	1299	1307	1315	rVV2	108194	194707	2.81%	0.557%
17	10.904	1362	1373	1374	rBV	68367	125329	1.81%	0.359%
18	10.969	1374	1384	1393	rVV	3094954	6922076	100.00%	19.802%
19	11.069	1394	1401	1409	rVB	207593	364539	5.27%	1.043%
20	12.438	1628	1634	1643	rVB	22689	39464	0.57%	0.113%
21	12.549	1643	1653	1660	rBV	1114009	1868937	27.00%	5.346%
22	12.661	1666	1672	1677	rVV	24432	41900	0.61%	0.120%
23	12.767	1677	1690	1699	rVB	569201	966215	13.96%	2.764%
24	13.542	1815	1822	1834	rBV	269894	420006	6.07%	1.202%
25	13.742	1850	1856	1866	rVB	49938	109290	1.58%	0.313%
26	13.889	1867	1881	1887	rBV3	61900	168817	2.44%	0.483%
27	14.030	1898	1905	1910	rBV	115674	213359	3.08%	0.610%
28	14.112	1910	1919	1925	rVV2	235031	448929	6.49%	1.284%
29	14.265	1938	1945	1949	rBV	51274	82143	1.19%	0.235%
30	14.406	1962	1969	1972	rBV	240278	412766	5.96%	1.181%
31	14.676	2008	2015	2017	rBV	58525	79780	1.15%	0.228%
32	14.711	2017	2021	2026	rVV2	147318	244139	3.53%	0.698%
33	14.782	2026	2033	2038	rVV	1657949	2637018	38.10%	7.544%
34	14.841	2038	2043	2050	rVV	207783	322980	4.67%	0.924%

LSC Area Percent Report

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Acq On : 25 Dec 2015 23:44
Operator : UM/SJ
Sample : G4847-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N71

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	14.917	2050	2056	2062	rVV3	21786	44747	0.65%	0.128%
36	14.982	2062	2067	2069	rVV2	21535	35290	0.51%	0.101%
37	15.017	2069	2073	2077	rVV	39958	64528	0.93%	0.185%
38	15.111	2082	2089	2097	rVV2	845521	1425227	20.59%	4.077%
39	15.187	2097	2102	2110	rVB2	22802	44808	0.65%	0.128%
40	15.317	2116	2124	2129	rBV5	13840	26262	0.38%	0.075%
41	15.375	2129	2134	2146	rVB5	10656	23490	0.34%	0.067%
42	15.698	2184	2189	2194	rVV	332657	520319	7.52%	1.488%
43	15.763	2194	2200	2205	rVV	1146993	1817032	26.25%	5.198%
44	15.822	2205	2210	2216	rVV3	108709	211639	3.06%	0.605%
45	15.881	2216	2220	2222	rVV3	66482	107301	1.55%	0.307%
46	15.916	2222	2226	2231	rVV3	93626	163598	2.36%	0.468%
47	15.963	2231	2234	2237	rVV2	30404	51039	0.74%	0.146%
48	16.004	2237	2241	2244	rVV	42801	68596	0.99%	0.196%
49	16.045	2244	2248	2256	rVV	76319	118650	1.71%	0.339%
50	16.192	2256	2273	2282	rVV4	96035	250497	3.62%	0.717%
51	16.421	2302	2312	2319	rVB4	24312	43139	0.62%	0.123%
52	16.545	2324	2333	2339	rBV	74217	106213	1.53%	0.304%
53	16.633	2339	2348	2356	rVB2	18932	46151	0.67%	0.132%
54	16.709	2356	2361	2365	rBV4	37555	73681	1.06%	0.211%
55	16.756	2365	2369	2373	rVB	48960	74004	1.07%	0.212%
56	16.803	2373	2377	2383	rVB	23964	37211	0.54%	0.106%
57	16.903	2387	2394	2399	rBV	24313	37119	0.54%	0.106%
58	17.109	2425	2429	2436	rVB	59804	91988	1.33%	0.263%
59	17.179	2436	2441	2447	rBV4	10097	25570	0.37%	0.073%
60	17.273	2452	2457	2464	rVB	188123	275191	3.98%	0.787%
61	17.455	2482	2488	2491	rVV	208430	360338	5.21%	1.031%
62	17.508	2491	2497	2501	rVV	2272165	3613835	52.21%	10.338%
63	17.555	2501	2505	2509	rVV	409592	644618	9.31%	1.844%
64	17.590	2509	2511	2516	rVV	154875	179789	2.60%	0.514%
65	17.649	2516	2521	2526	rVV	23368	36662	0.53%	0.105%
66	17.820	2545	2550	2551	rBV	18869	24644	0.36%	0.070%
67	17.861	2551	2557	2565	rVV	738927	1141967	16.50%	3.267%
68	17.972	2567	2576	2579	rVV5	42922	118312	1.71%	0.338%
69	18.013	2579	2583	2589	rVV	47555	87358	1.26%	0.250%
70	18.107	2593	2599	2603	rVV4	53646	95610	1.38%	0.274%
71	18.149	2603	2606	2610	rVV4	17176	30473	0.44%	0.087%

LSC Area Percent Report

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Data File : BG020517.D
Acq On : 25 Dec 2015 23:44
Operator : UM/SJ
Sample : G4847-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N71

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	18.290	2625	2630	2633	rVV	26686	41488	0.60%	0.119%
73	18.325	2633	2636	2640	rVV	67236	96820	1.40%	0.277%
74	18.372	2640	2644	2652	rVV	201533	320399	4.63%	0.917%
75	18.448	2653	2657	2663	rVV2	36358	64386	0.93%	0.184%
76	18.525	2663	2670	2679	rVV2	195554	360217	5.20%	1.030%
77	18.624	2679	2687	2691	rVV2	73740	138795	2.01%	0.397%
78	18.671	2691	2695	2699	rVV	90820	134801	1.95%	0.386%
79	18.707	2699	2701	2705	rVV2	18984	25852	0.37%	0.074%
80	18.765	2705	2711	2716	rVV2	85430	145394	2.10%	0.416%
81	18.818	2716	2720	2724	rVV2	51097	76118	1.10%	0.218%
82	18.865	2724	2728	2732	rVV2	57092	85060	1.23%	0.243%
83	19.147	2770	2776	2779	rVB5	13704	29893	0.43%	0.086%
84	19.341	2799	2809	2813	rBV8	21382	57532	0.83%	0.165%
85	19.382	2813	2816	2822	rVV6	18902	30367	0.44%	0.087%
86	19.500	2829	2836	2842	rVV	550790	807094	11.66%	2.309%
87	19.700	2864	2870	2873	rBV5	20209	35803	0.52%	0.102%
88	19.747	2873	2878	2886	rVV4	20824	46826	0.68%	0.134%
89	19.835	2886	2893	2896	rVV	562554	895115	12.93%	2.561%
90	19.864	2896	2898	2905	rVV	341335	428207	6.19%	1.225%
91	19.923	2905	2908	2917	rVB5	15956	27858	0.40%	0.080%
92	20.240	2957	2962	2968	rVV	144257	193707	2.80%	0.554%
93	20.299	2968	2972	2977	rVV	25404	46986	0.68%	0.134%
94	20.352	2977	2981	2985	rVV	20020	28639	0.41%	0.082%
95	20.452	2993	2998	3003	rVV	27991	40464	0.58%	0.116%
96	21.304	3138	3143	3146	rBV6	15033	26377	0.38%	0.075%
97	21.727	3207	3215	3221	rBV2	316570	560042	8.09%	1.602%
98	22.138	3280	3285	3299	rVB	29288	55291	0.80%	0.158%
99	24.758	3721	3731	3746	rVB	280475	764268	11.04%	2.186%
100	24.988	3757	3770	3781	rBV	151709	428644	6.19%	1.226%

Sum of corrected areas: 34956445

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020517.D
Acq On : 25 Dec 2015 23:44
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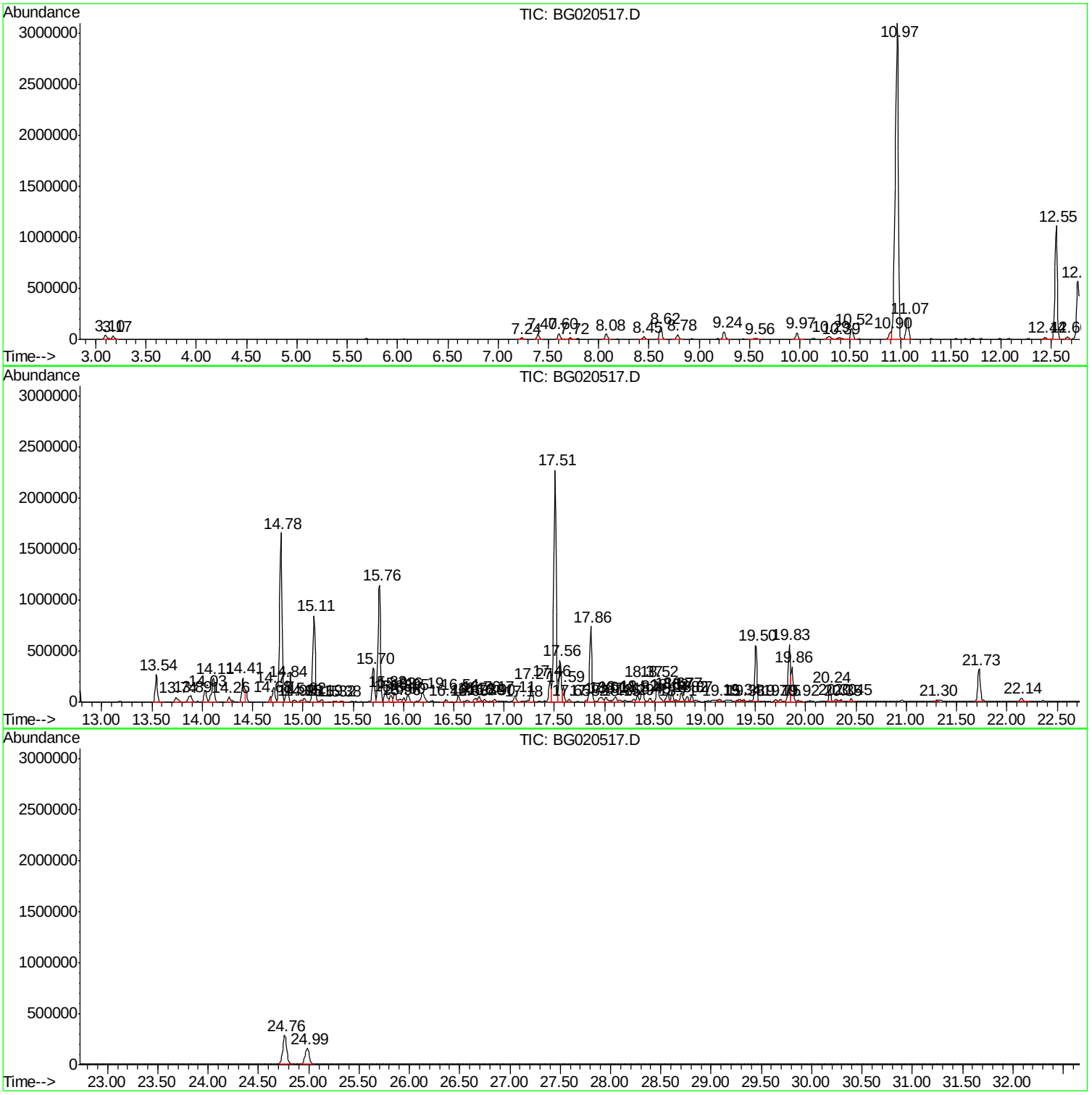
Sample : G4847-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N71

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
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Instrument : BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

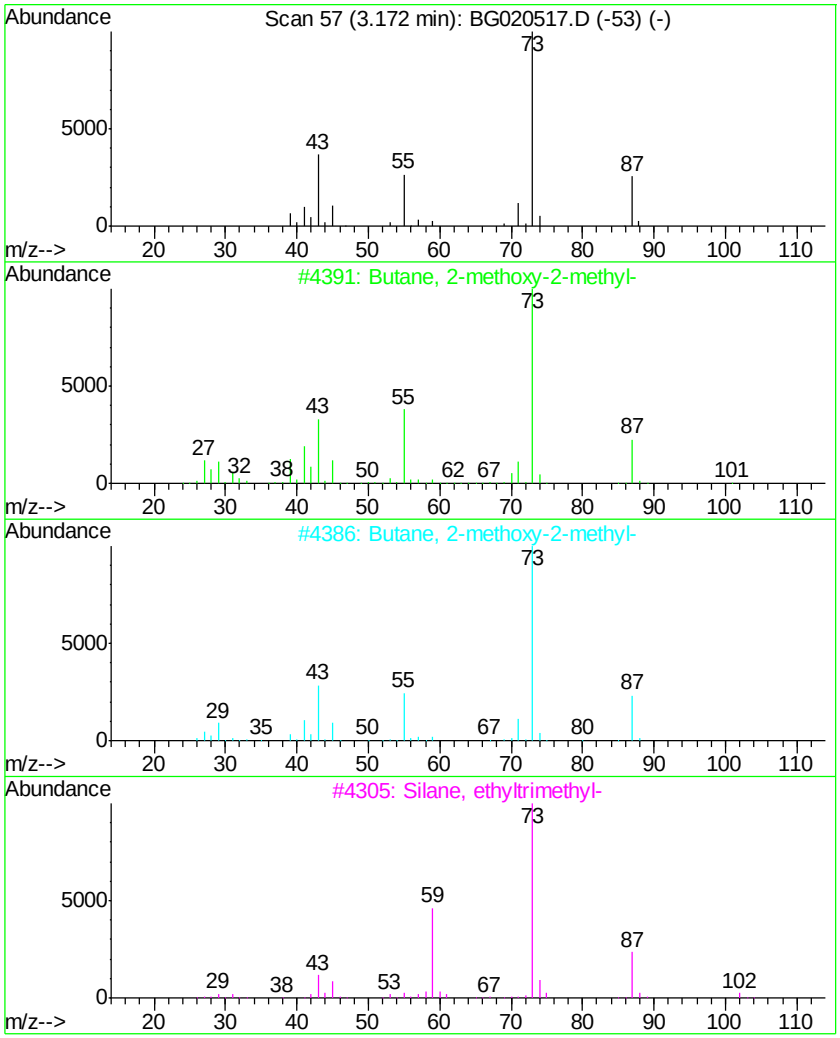
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

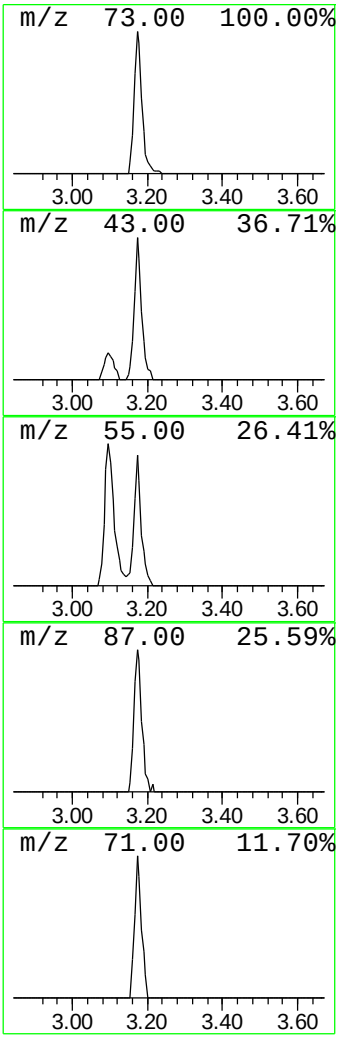
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	9.79 ng/ul	44562	1,4-Dichlorobenzene-d4	8.08

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	Silane, ethyltrimethyl-	102	C5H14Si	003439-38-1	36
4	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	16
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	10





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020517.D
Acq On : 25 Dec 2015 23:44
Operator : UM/SJ
Sample : G4847-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N71

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

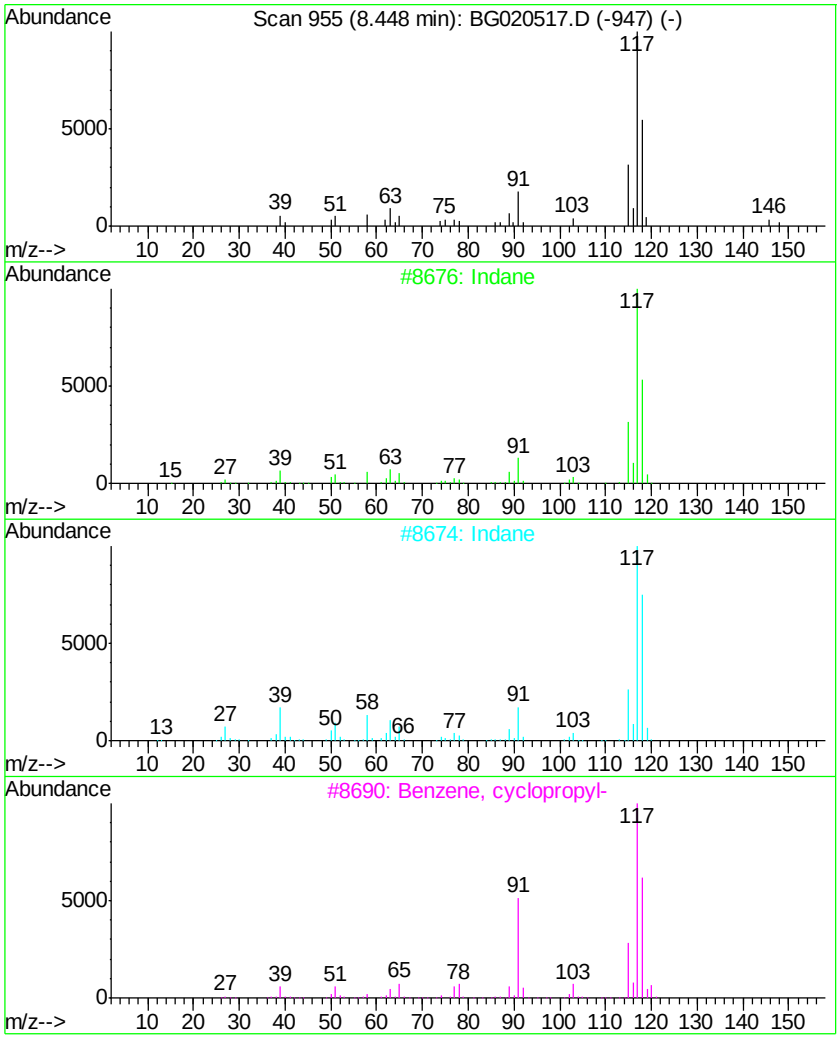
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

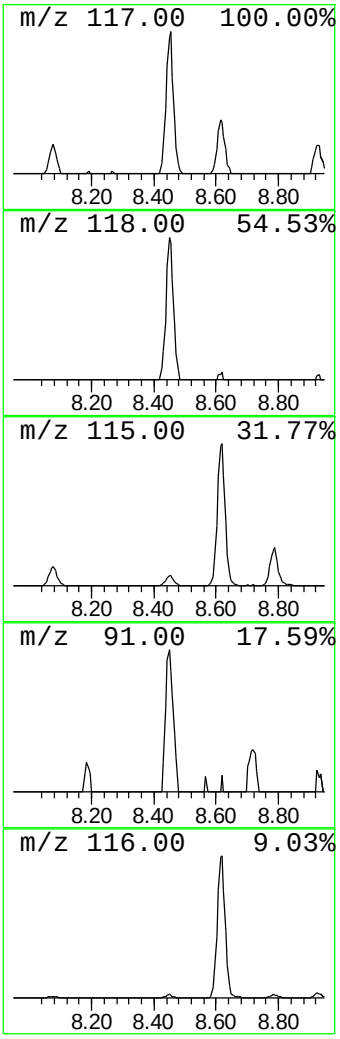
****

Peak Number 4 Indane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	9.93 ng/ul	45189	1,4-Dichlorobenzene-d4	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Indane	118	C9H10	000496-11-7	90
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	74
4	Indane	118	C9H10	000496-11-7	74
5	Deltacyclene	118	C9H10	007785-10-6	53





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020517.D
Acq On : 25 Dec 2015 23:44
Operator : UM/SJ
Sample : G4847-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N71

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

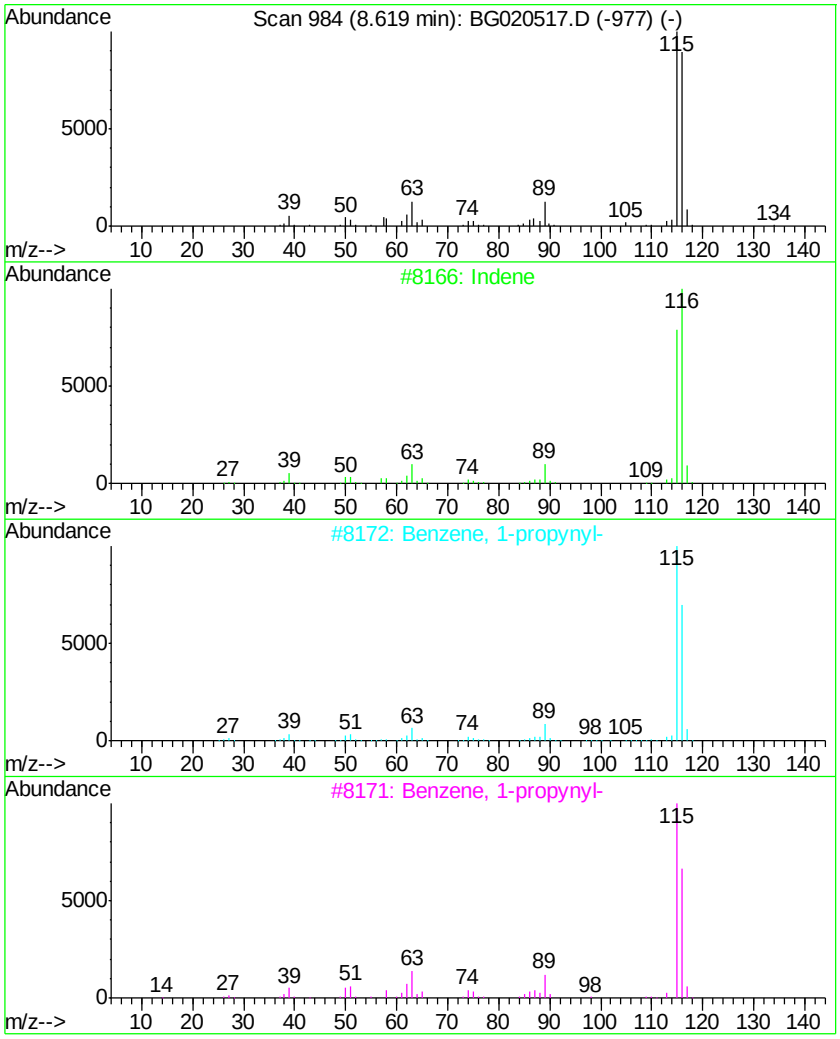
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

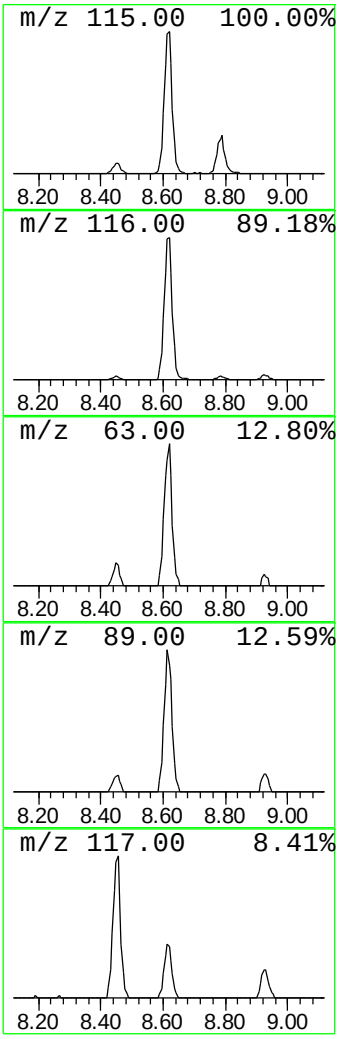
****

Peak Number 5 Indene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.62	43.79 ng/ul	199306	1,4-Dichlorobenzene-d4	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
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\BG122515\
Data File : BG020517.D
Acq On : 25 Dec 2015 23:44
Operator : UM/SJ
Sample : G4847-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N71

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

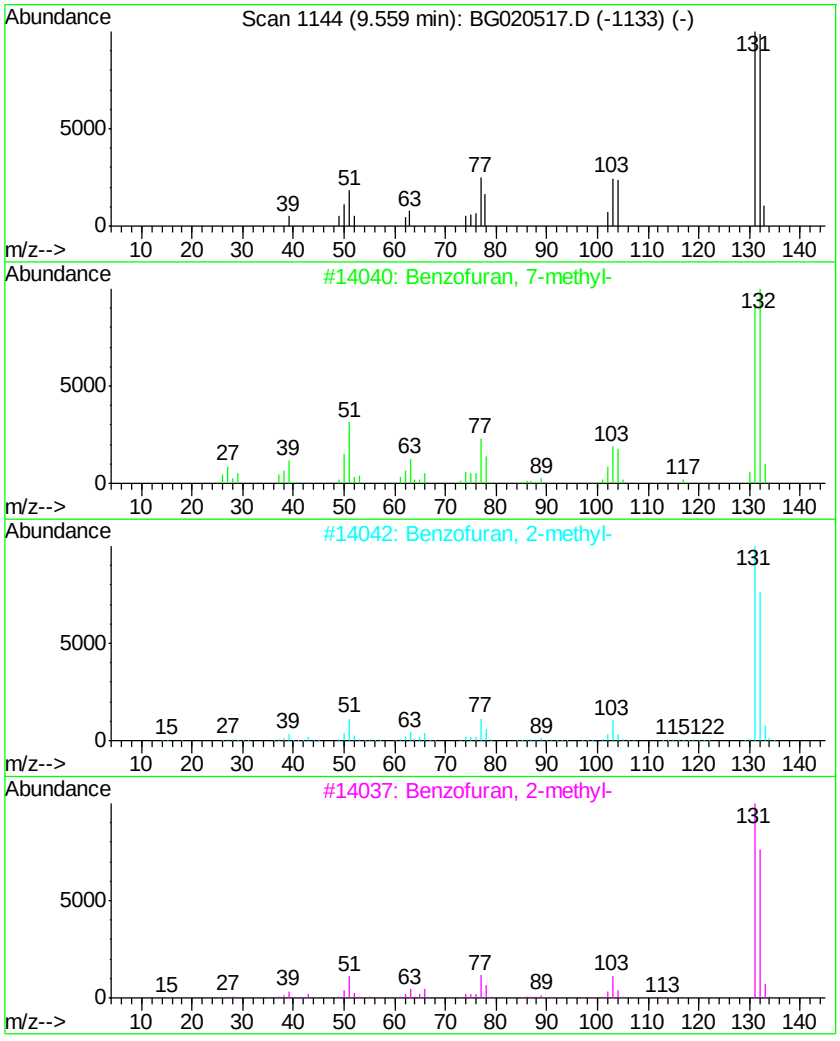
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

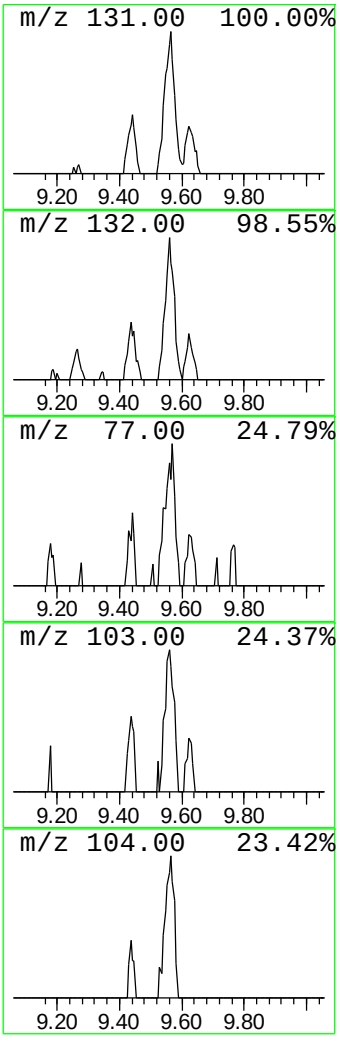
****

Peak Number 6 Benzofuran, 7-methyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.56	4.73 ng/ul	29631	Naphthalene-d8	10.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	91
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	90
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	90
4	1H-Indenol	132	C9H8O	056631-57-3	87
5	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	87





Library Search Compound Report

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Data File : BG020517.D
Acq On : 25 Dec 2015 23:44
Operator : UM/SJ
Sample : G4847-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N71

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

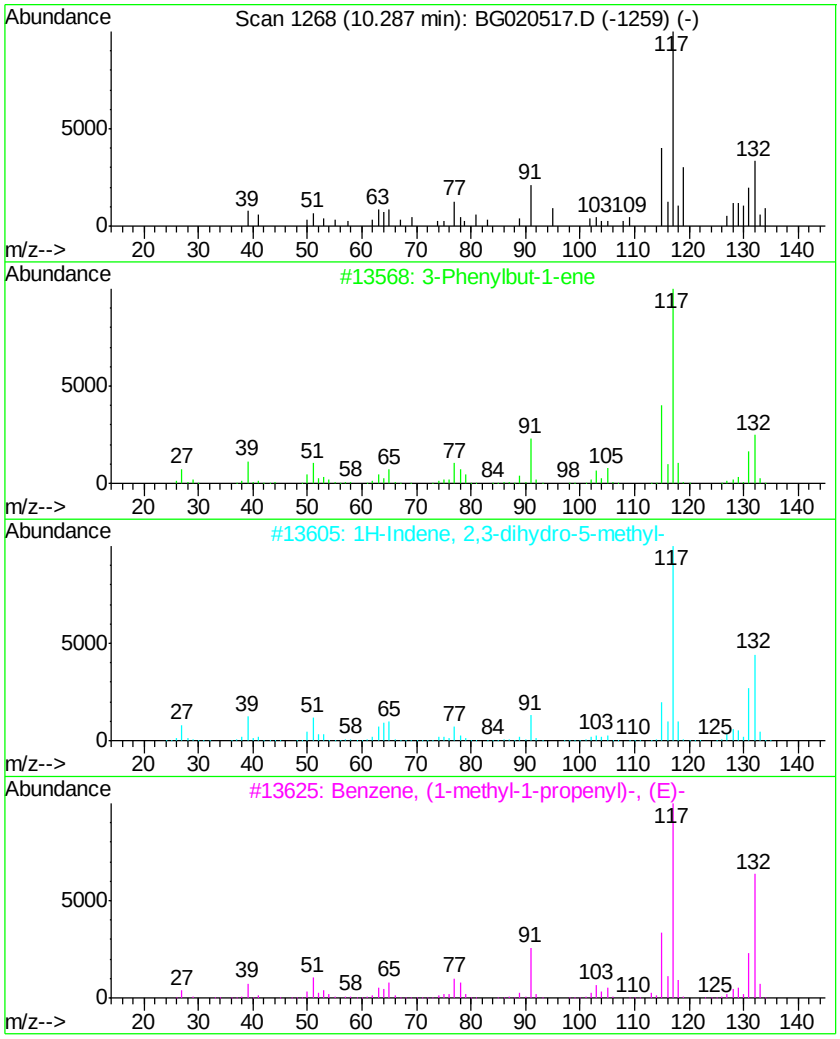
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

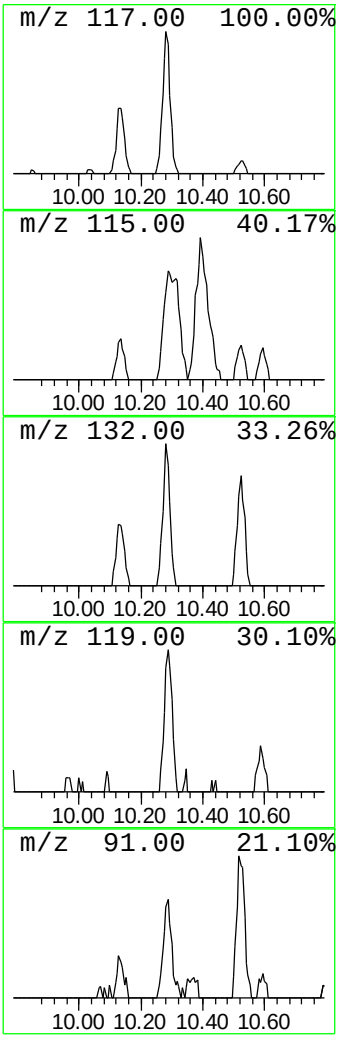
****

Peak Number 7 3-Phenylbut-1-ene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.29	13.14 ng/ul	82341	Naphthalene-d8	10.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	76
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	64
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	62
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	58
5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	58





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020517.D
Acq On : 25 Dec 2015 23:44
Operator : UM/SJ
Sample : G4847-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N71

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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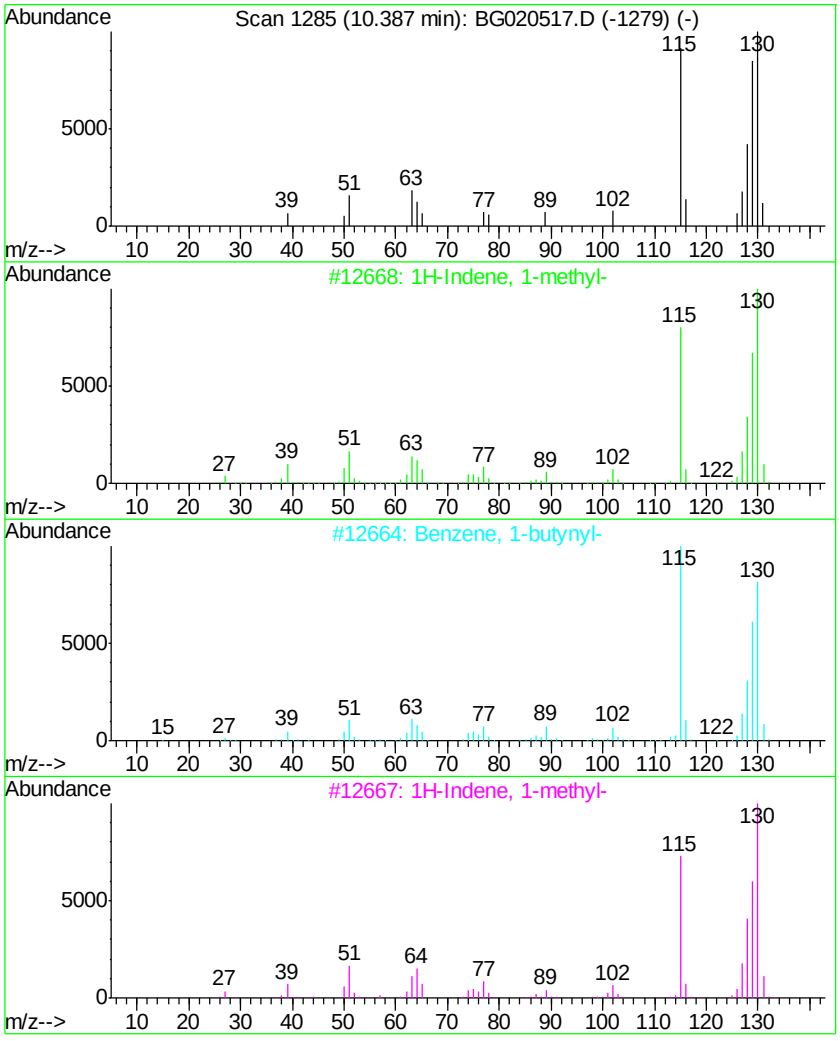
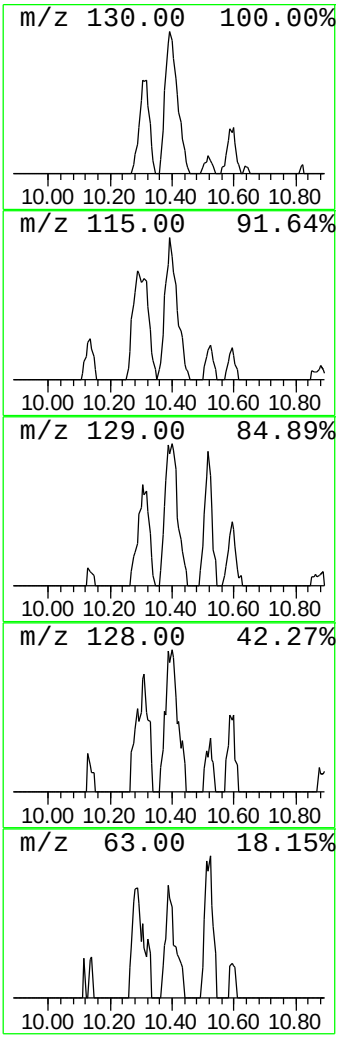
Peak Number 8 1H-Indene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.39	7.73 ng/ul	48459	Naphthalene-d8	10.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94
2	Benzene, 1-butynyl-	130	C10H10	000622-76-4	93
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	91
4	2-Methylindene	130	C10H10	002177-47-1	91
5	2-Methylindene	130	C10H10	002177-47-1	90





Library Search Compound Report

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Instrument : BNA_G
ClientSampleId : D9N71

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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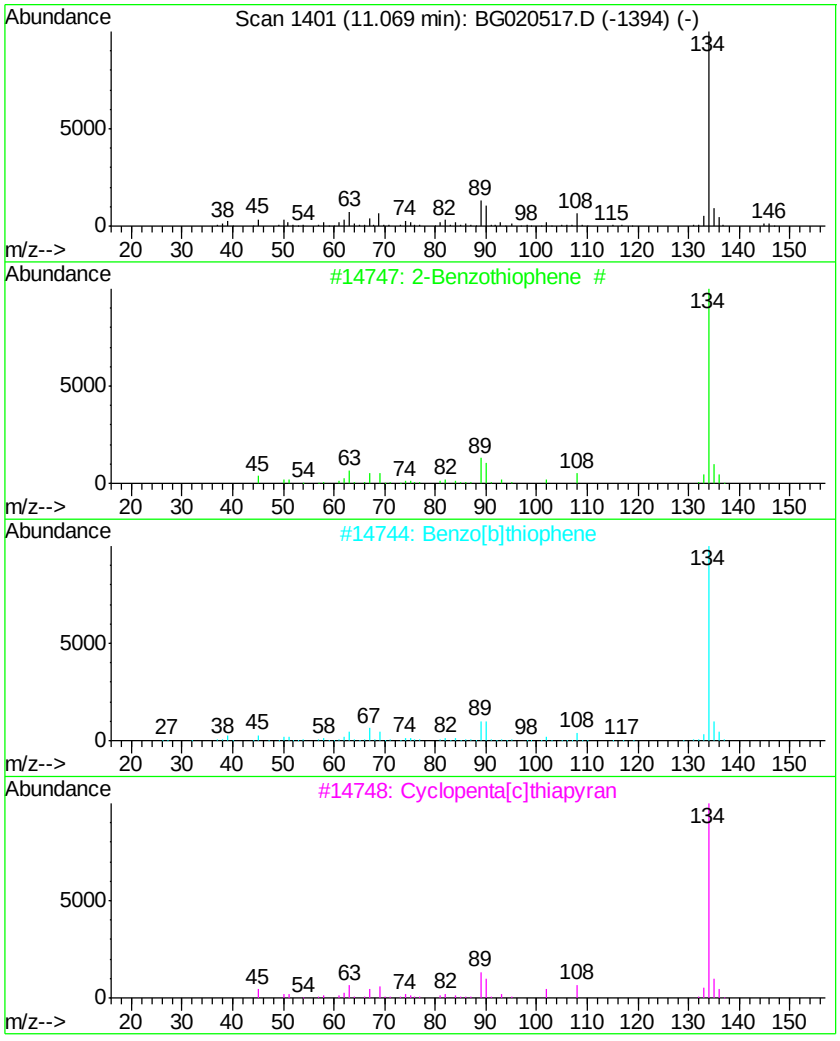
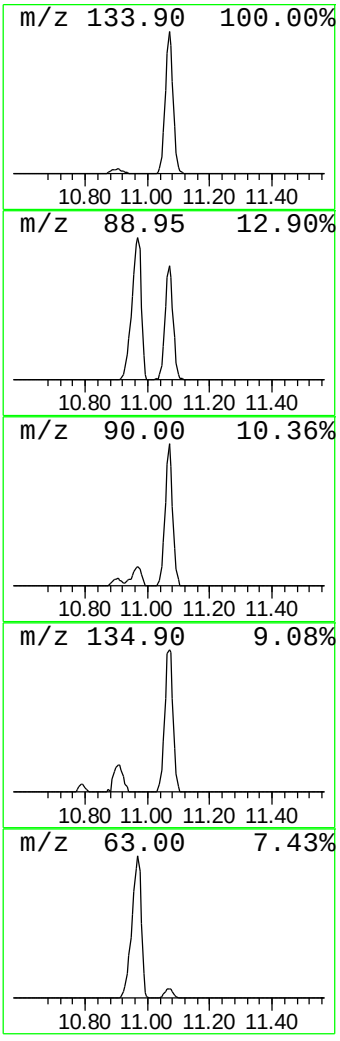
Peak Number 9 2-Benzothiophene # Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	58.17 ng/ul	364539	Naphthalene-d8	10.90

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	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	93





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ALS Vial : 56 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N71

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Quant Title : SVOA CALIBRATION

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

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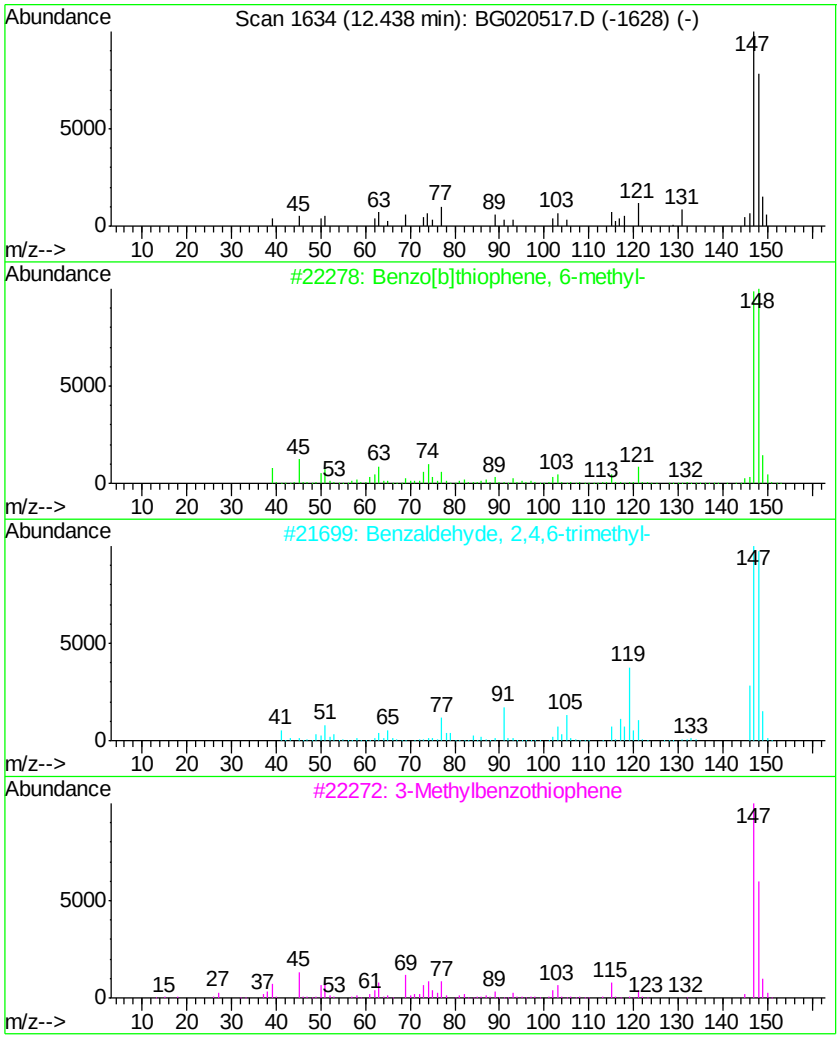
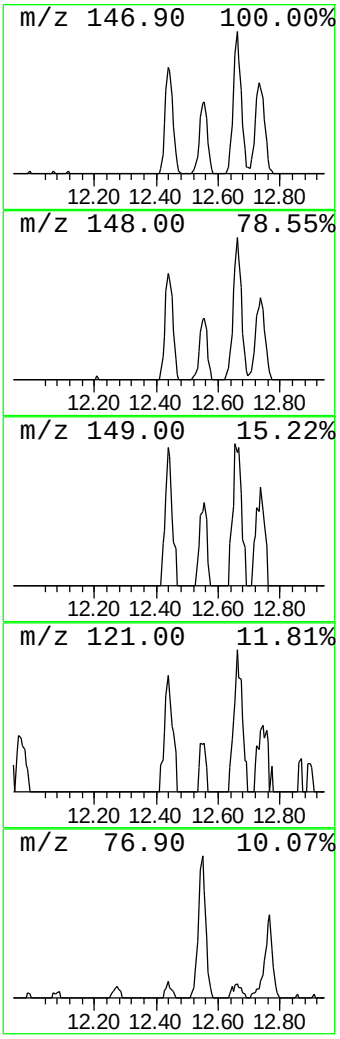
Peak Number 10 Benzo[b]thiophene, 6-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	6.30 ng/ul	39464	Naphthalene-d8	10.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	90
2	Benzaldehyde, 2,4,6-trimethyl-	148	C10H12O	000487-68-3	86
3	3-Methylbenzothiophene	148	C9H8S	001455-18-1	80
4	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	80
5	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	80





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Instrument : BNA_G
ClientSampleId : D9N71

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Quant Title : SVOA CALIBRATION

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

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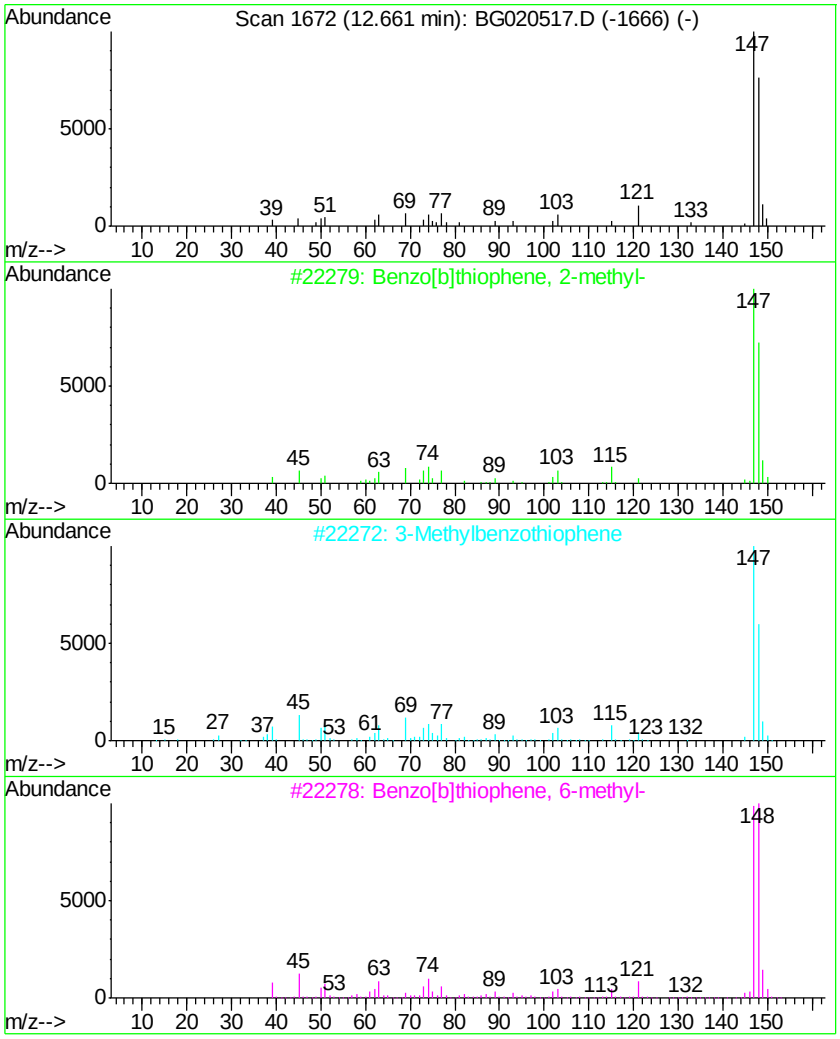
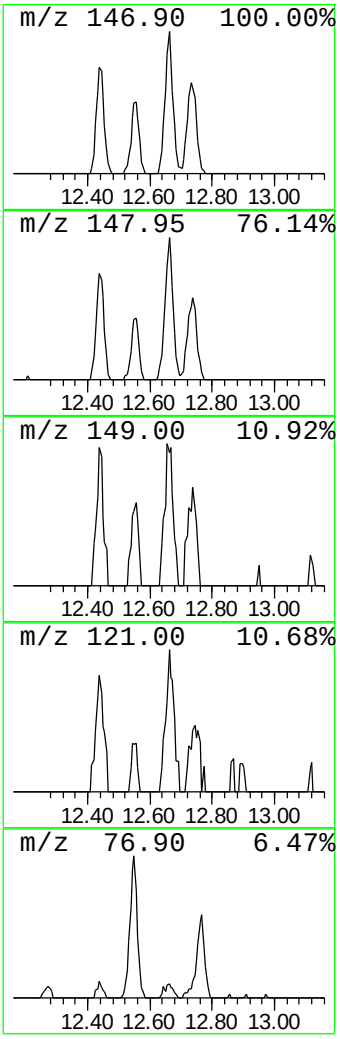
Peak Number 11 Benzo[b]thiophene, 2-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.66	6.69 ng/ul	41900	Naphthalene-d8	10.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	86
2	3-Methylbenzothiophene	148	C9H8S	001455-18-1	86
3	Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	83
4	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	80
5	3-Methylbenzothiophene	148	C9H8S	001455-18-1	80





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Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N71

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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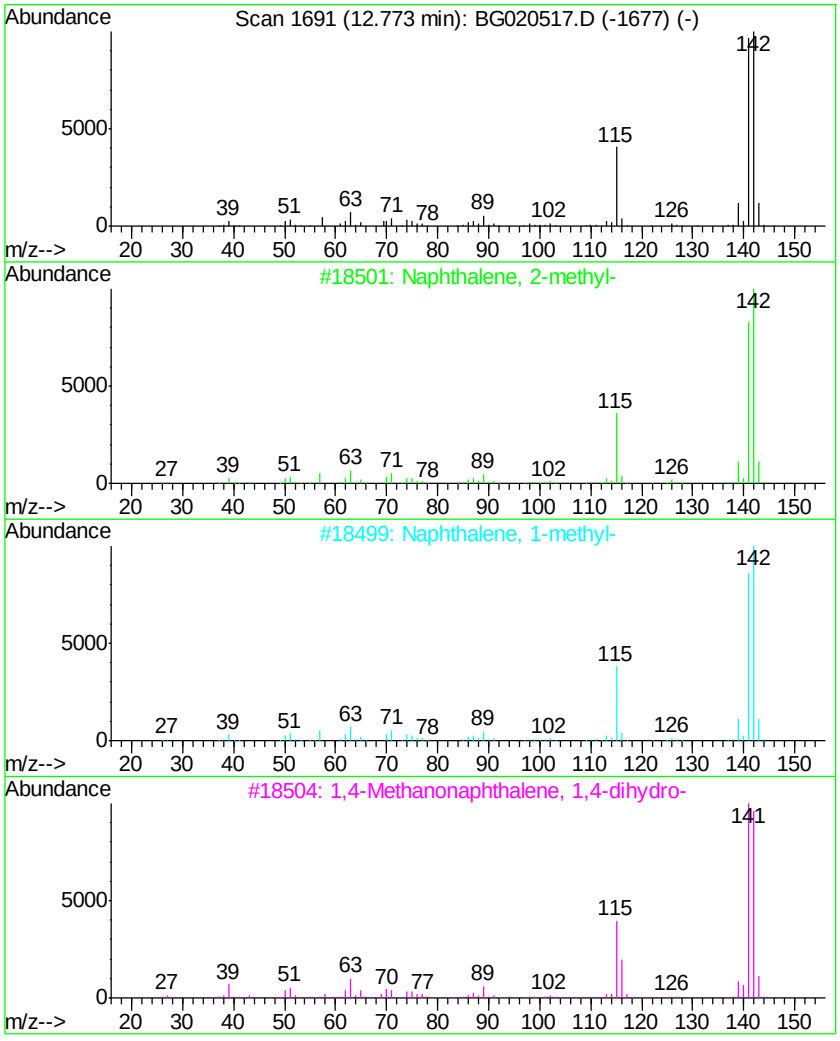
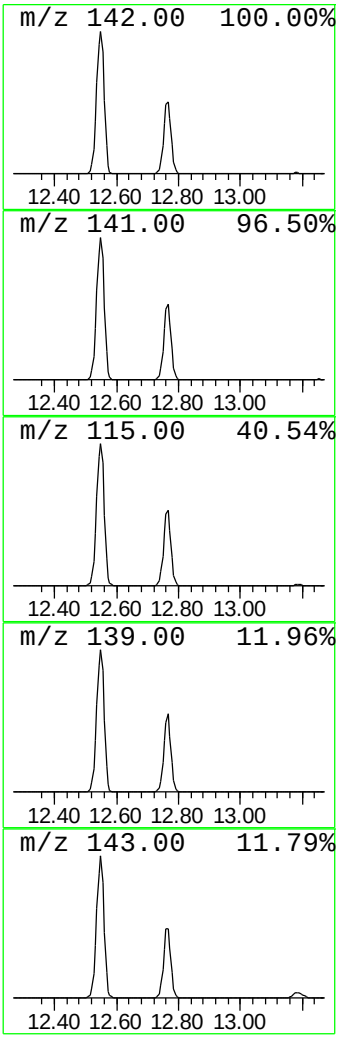
Peak Number 12 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	154.19 ng/ul	966215	Naphthalene-d8	10.90

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	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





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Instrument : BNA_G
ClientSampleId : D9N71

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Quant Title : SVOA CALIBRATION

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

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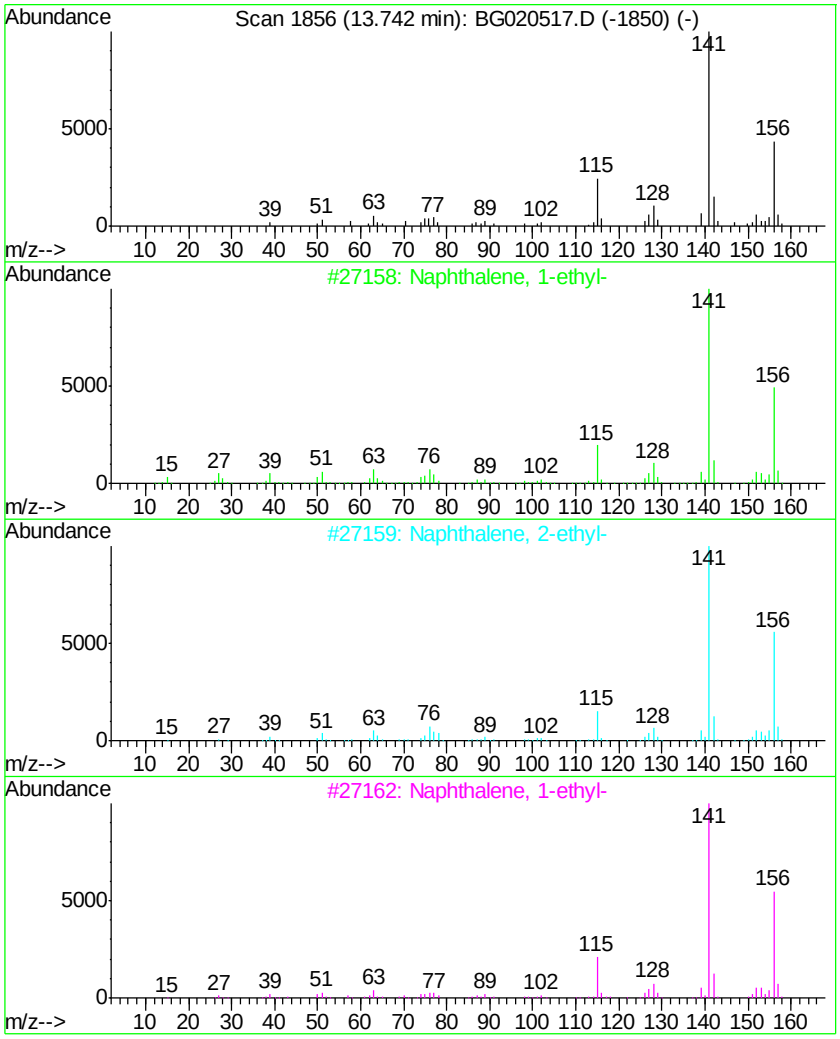
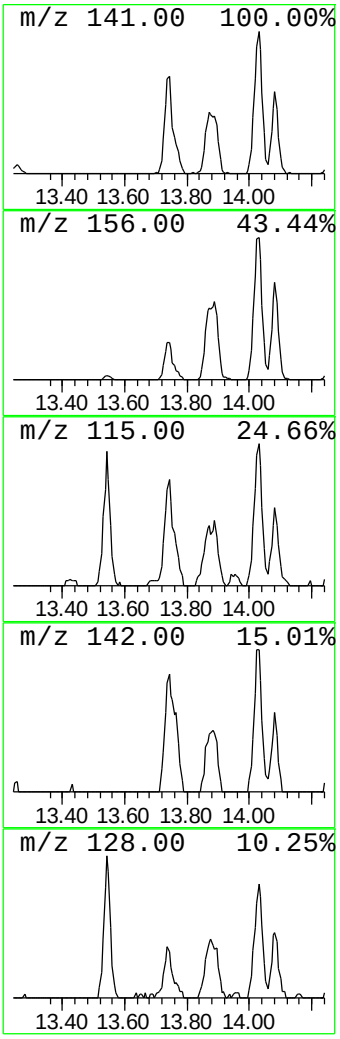
Peak Number 13 Naphthalene, 1-ethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	8.95 ng/ul	109290	Acenaphthene-d10	14.71

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





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Sample : G4847-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N71

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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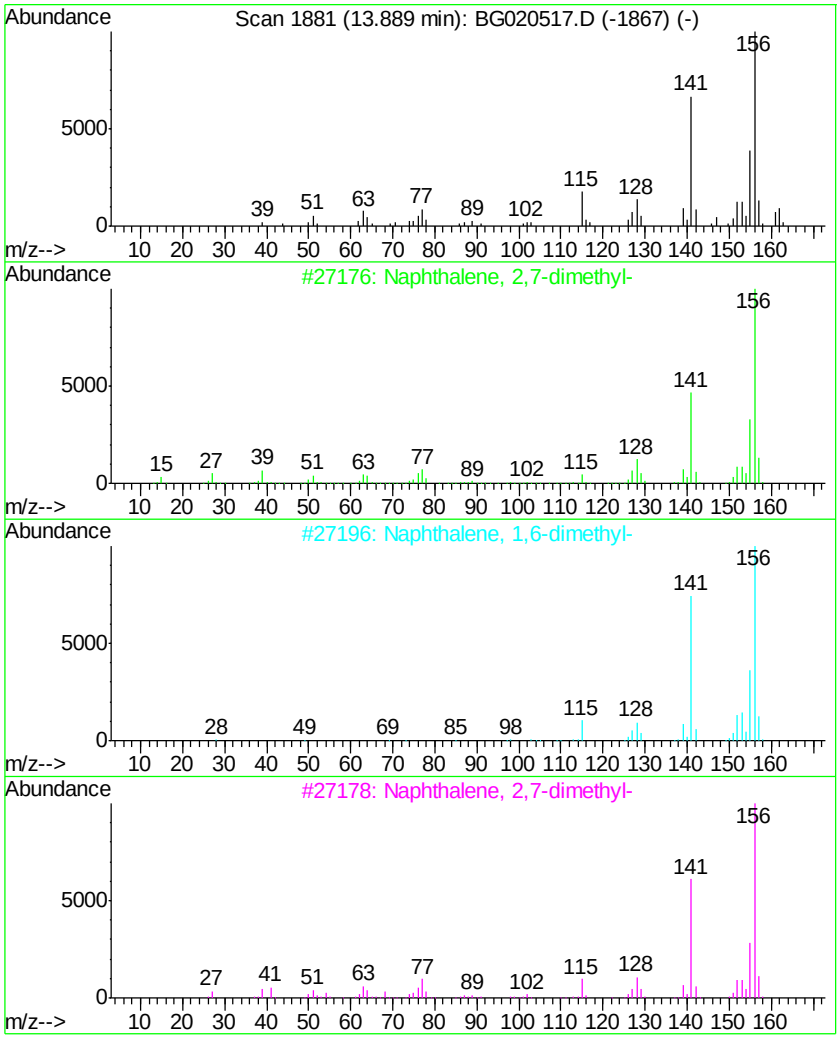
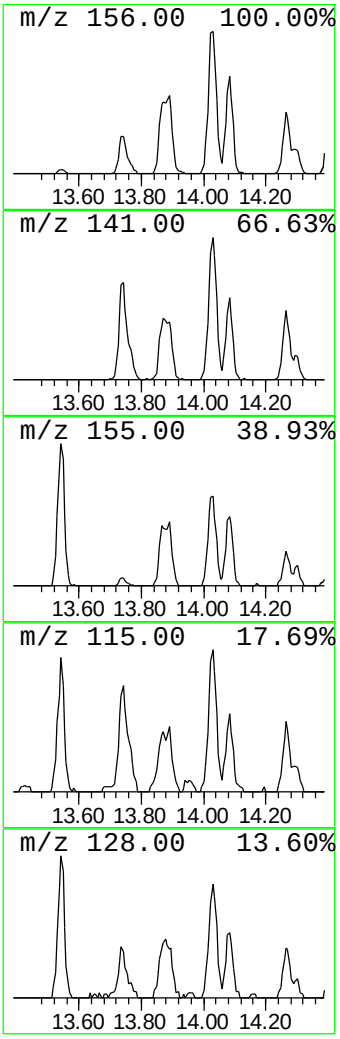
Peak Number 14 Naphthalene, 2,7-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	13.83 ng/ul	168817	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95





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Instrument : BNA_G
ClientSampleId : D9N71

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Quant Title : SVOA CALIBRATION

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

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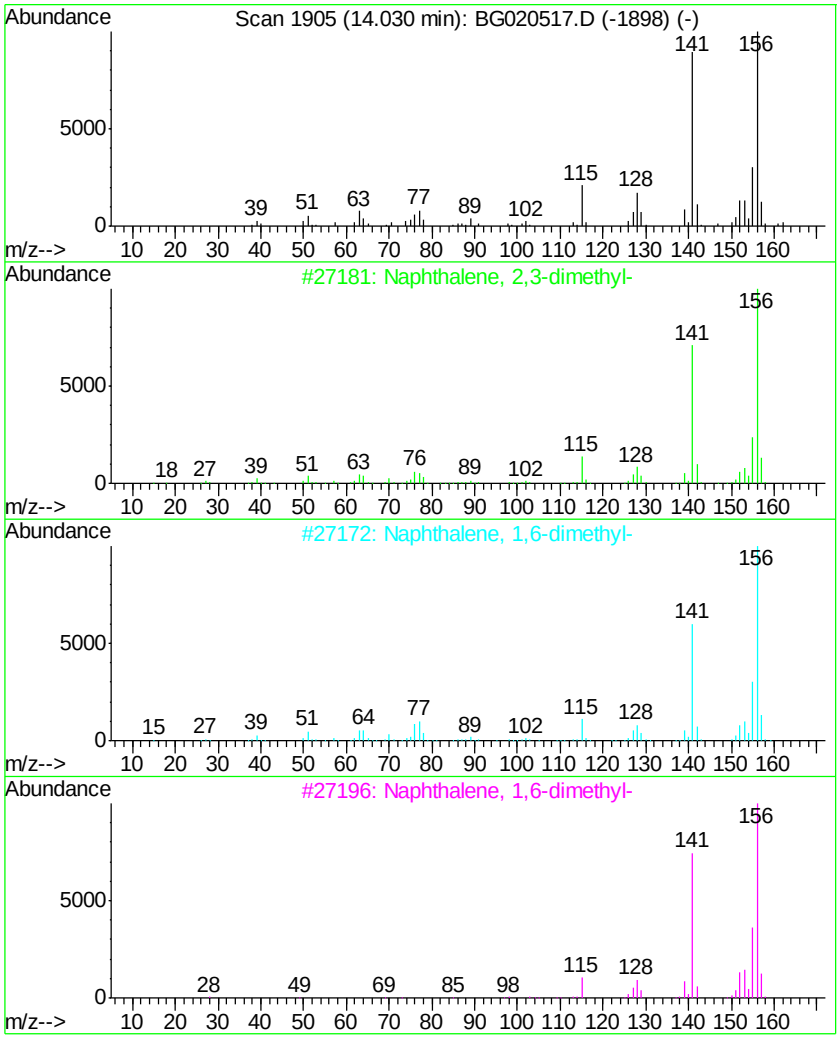
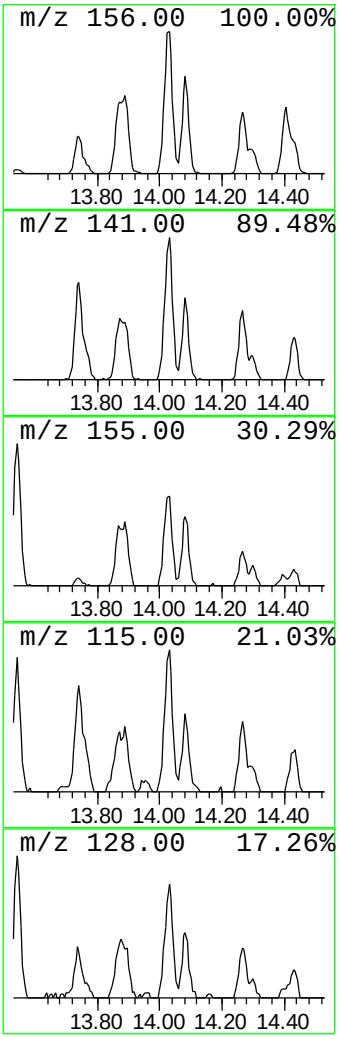
Peak Number 15 Naphthalene, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.03	17.48 ng/ul	213359	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	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95





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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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Peak Number 17 2-Naphthalenecarbonitrile Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	26.46 ng/ul	322980	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	94
4	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
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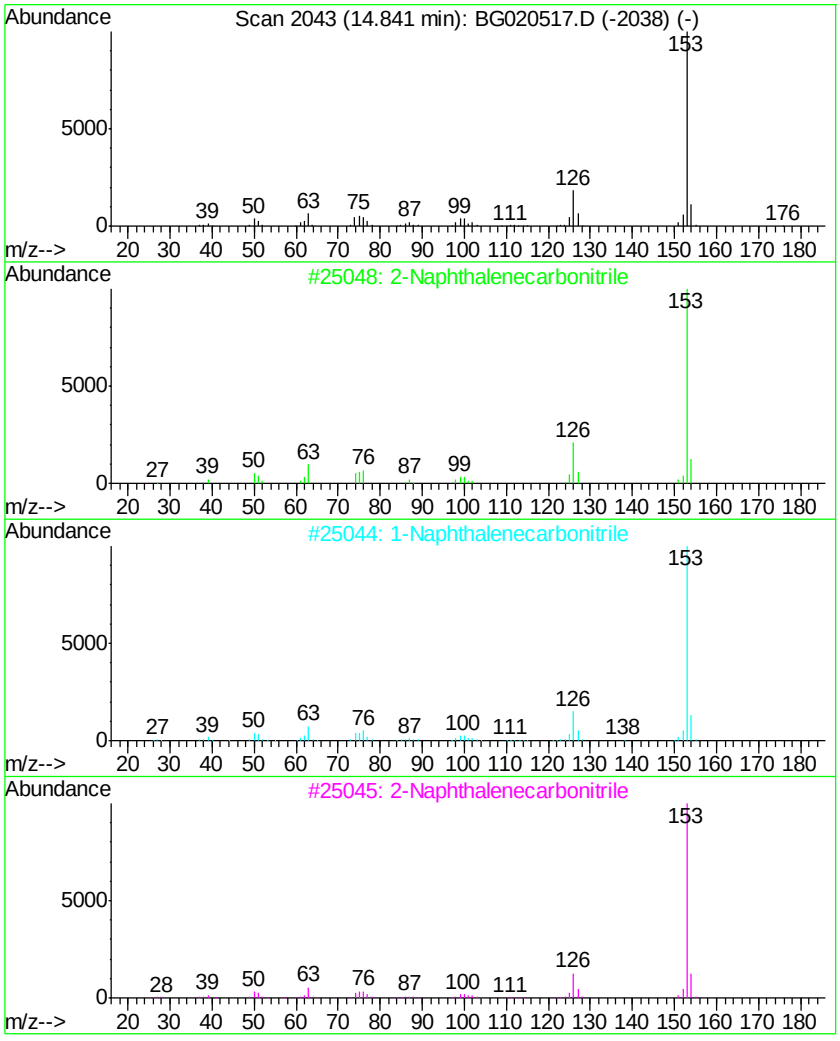

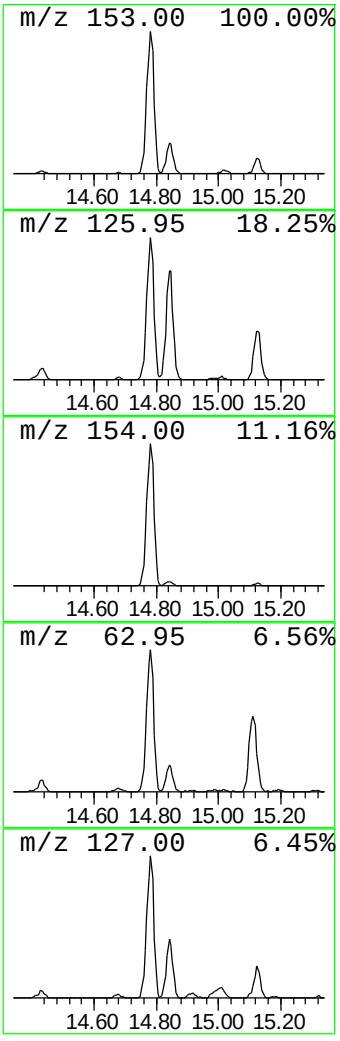

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Instrument : BNA_G
ClientSampleId : D9N71

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Quant Title : SVOA CALIBRATION

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

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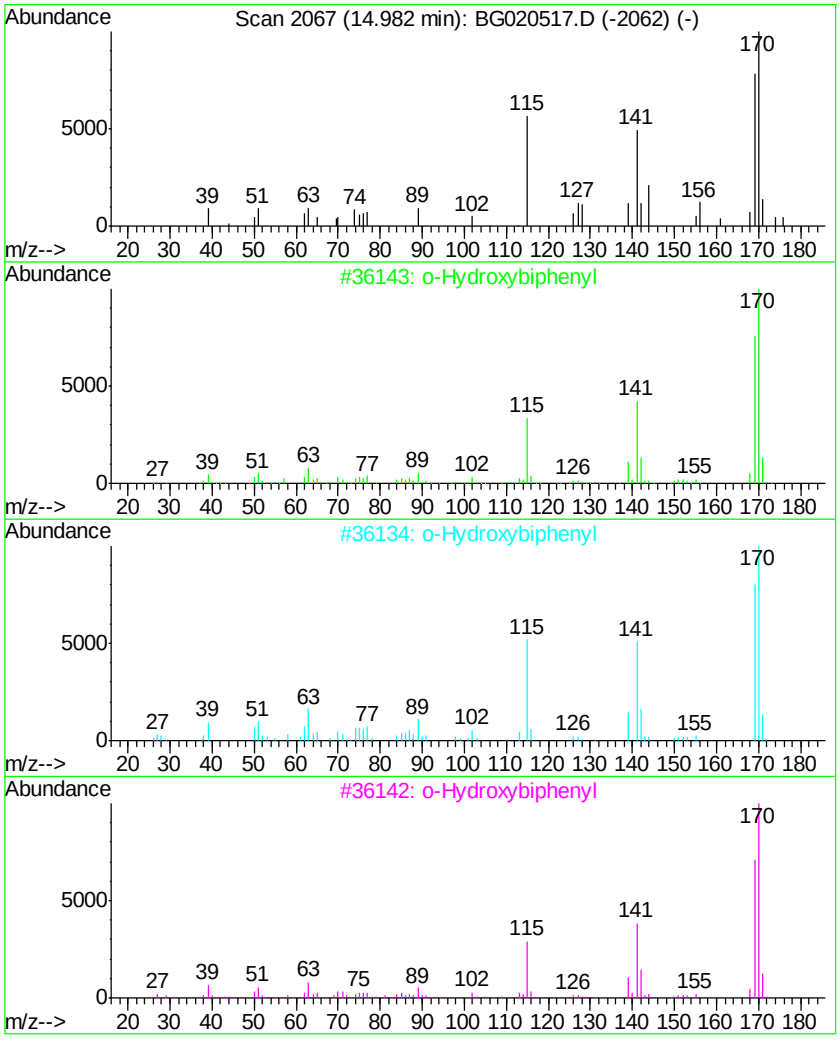
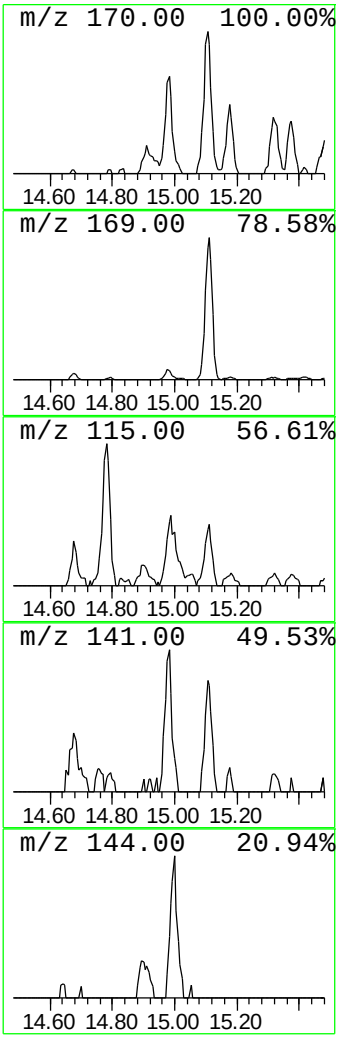
Peak Number 18 o-Hydroxybiphenyl Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.98	2.89 ng/ul	35290	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	87
2	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	81
3	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	64
4	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	64
5	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	58





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Quant Title : SVOA CALIBRATION

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

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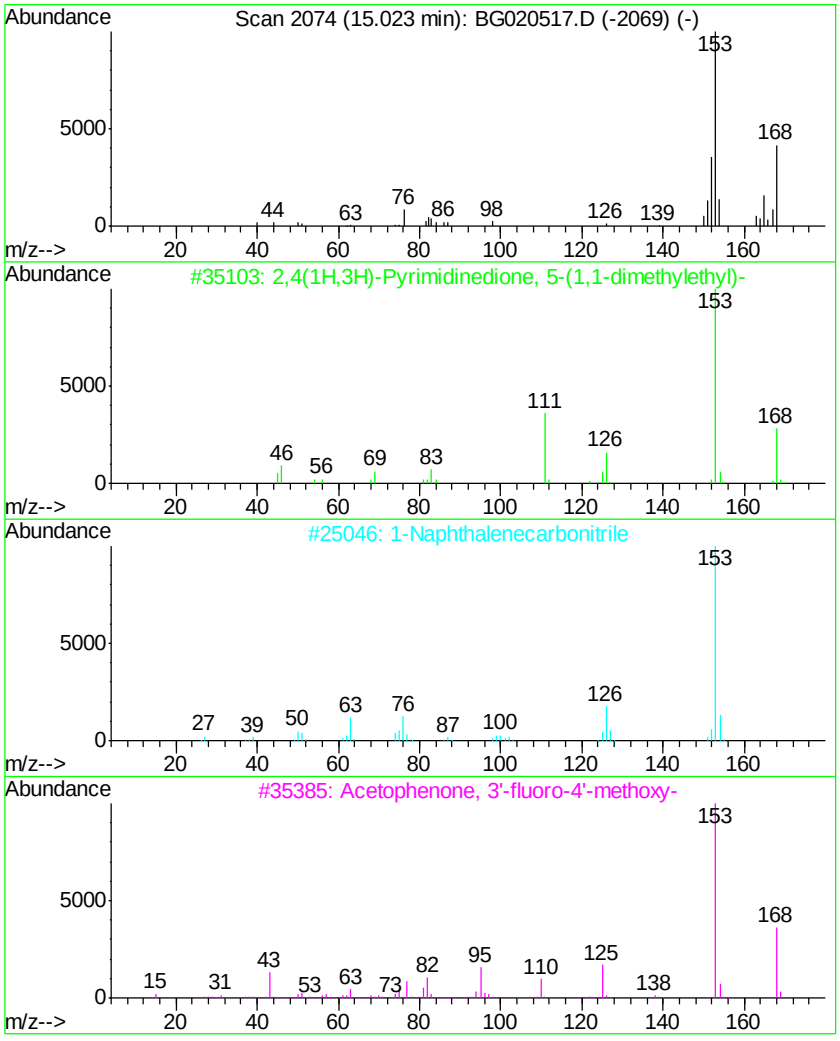
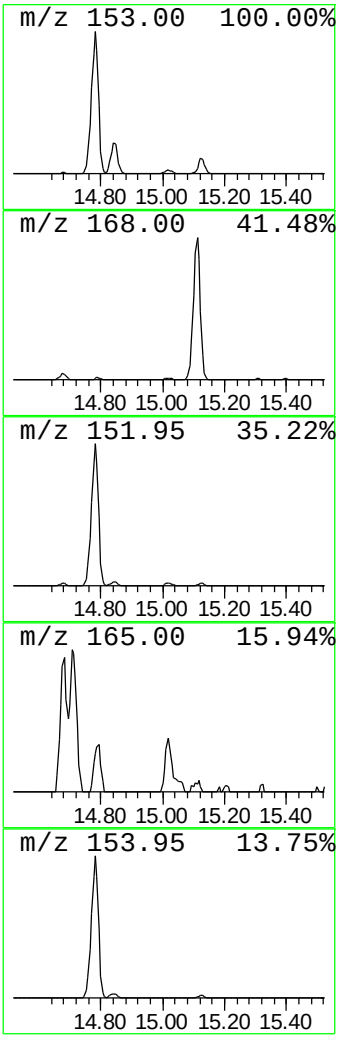
Peak Number 19 unknown-01 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	5.29 ng/ul	64528	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4(1H,3H)-Pyrimidinedione, 5-(1...	168	C8H12N2O2	017432-97-2	40
2	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	38
3	Acetophenone, 3'-fluoro-4'-methoxy-	168	C9H9FO2	000455-91-4	33
4	2-Fluorobenzothiazole	153	C7H4FNS	001123-98-4	9
5	2,4(1H,3H)-Pyrimidinedione, 5-(1...	168	C8H12N2O2	017432-97-2	9





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Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N71

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Quant Title : SVOA CALIBRATION

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

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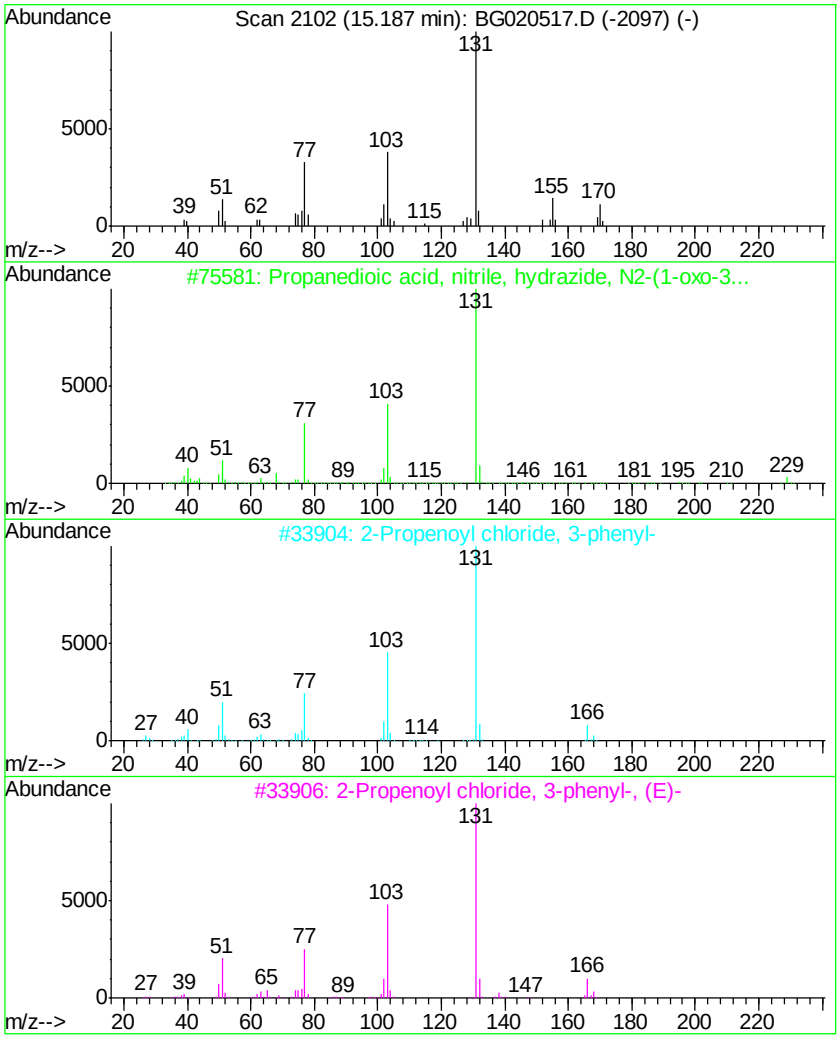
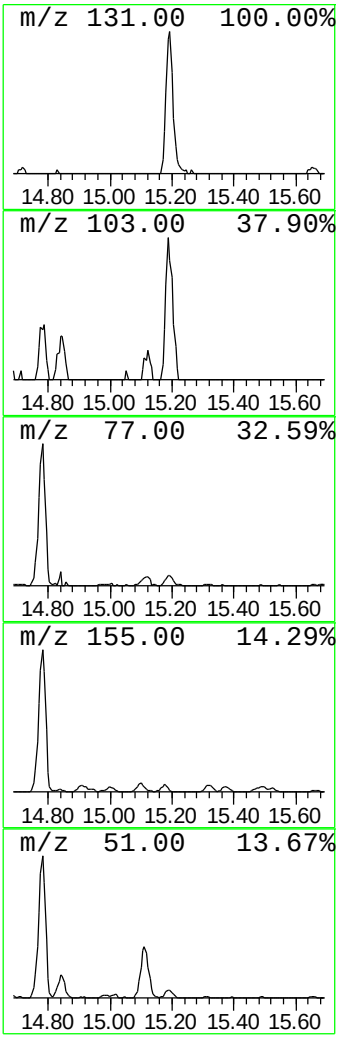
Peak Number 20 Propanedioic acid, nitrile,... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	3.67 ng/ul	44808	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanedioic acid, nitrile, hydr...	229	C12H11N3O2	294878-35-6	72
2	2-Propenoyl chloride, 3-phenyl-	166	C9H7ClO	000102-92-1	64
3	2-Propenoyl chloride, 3-phenyl-,...	166	C9H7ClO	017082-09-6	59
4	4-Methylcoumarine-7-cinnamate	306	C19H14O4	300829-05-4	50
5	1-(2-Vinylphenyl)propan-1-one	160	C11H12O	052095-41-7	50





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Data File : BG020517.D
Acq On : 25 Dec 2015 23:44
Operator : UM/SJ
Sample : G4847-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N71

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Quant Title : SVOA CALIBRATION

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

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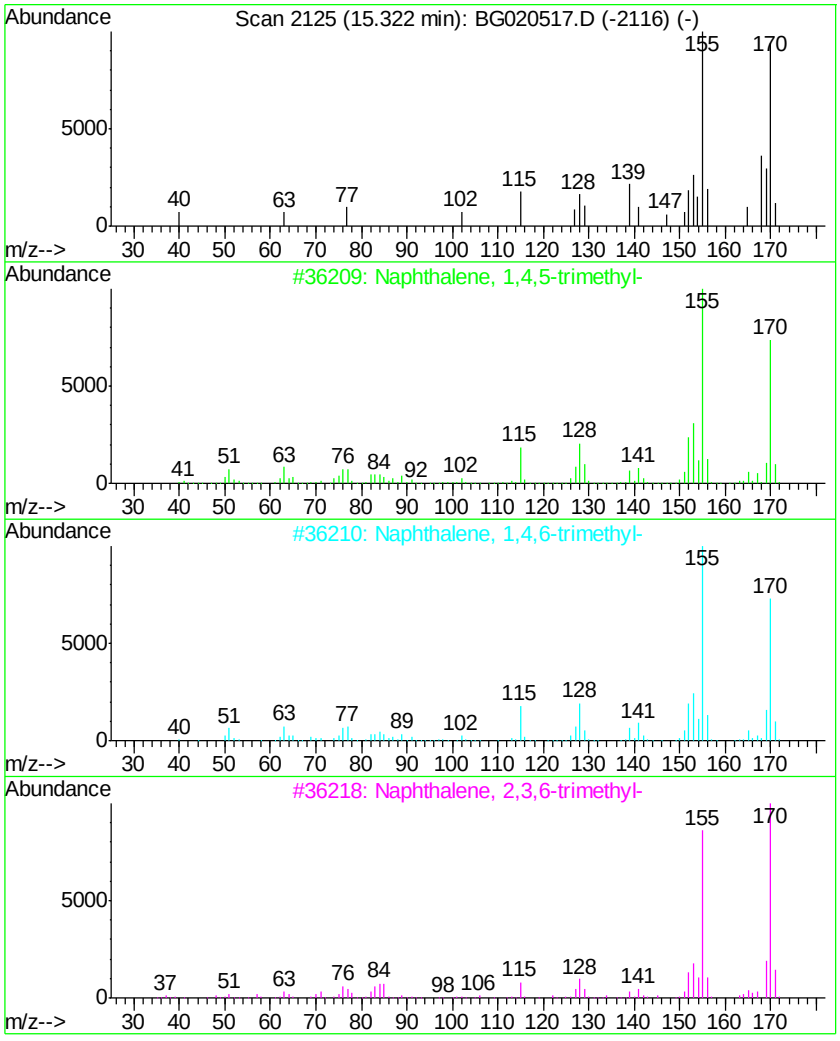
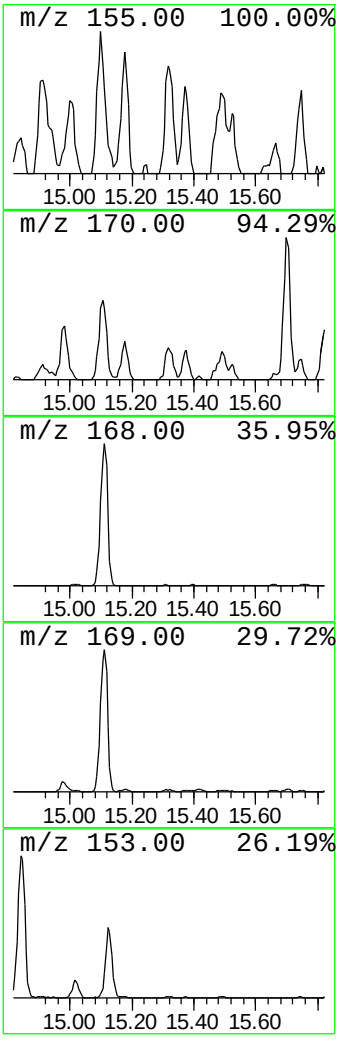
Peak Number 21 Naphthalene, 1,4,5-trimethyl- Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	2.15 ng/ul	26262	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	92
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	81
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	76
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	76
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	76





Library Search Compound Report

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Data File : BG020517.D
Acq On : 25 Dec 2015 23:44
Operator : UM/SJ
Sample : G4847-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N71

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

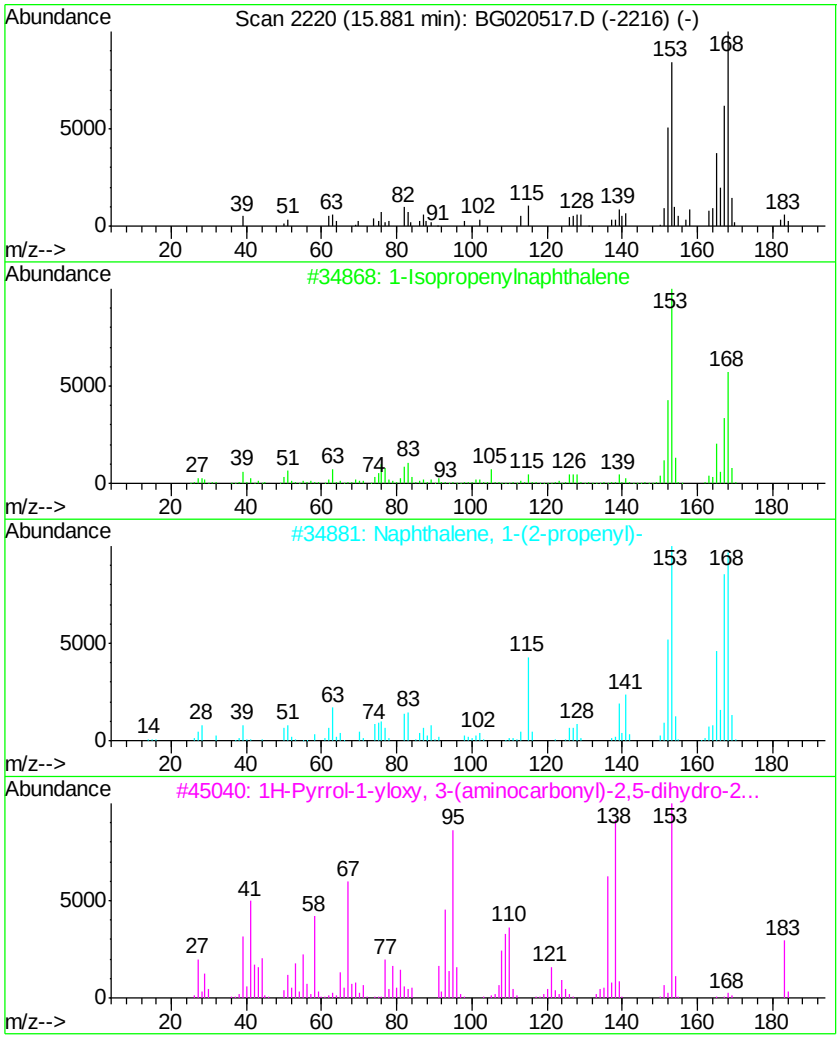
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

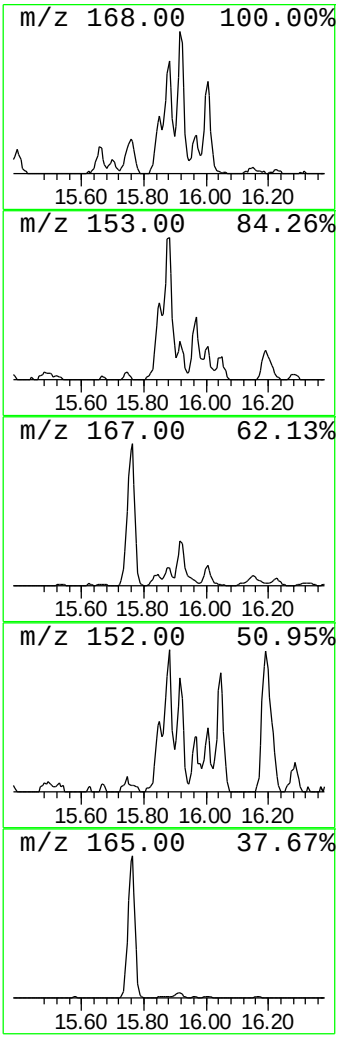
****

Peak Number 22 1-Isopropenylnaphthalene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	8.79 ng/ul	107301	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	74
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	64
3	1H-Pyrrol-1-yloxy, 3-(aminocarbo...	183	C9H15N2O2	003229-73-0	59
4	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	58
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	55





Library Search Compound Report

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Instrument : BNA_G
ClientSampleId : D9N71

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Quant Title : SVOA CALIBRATION

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

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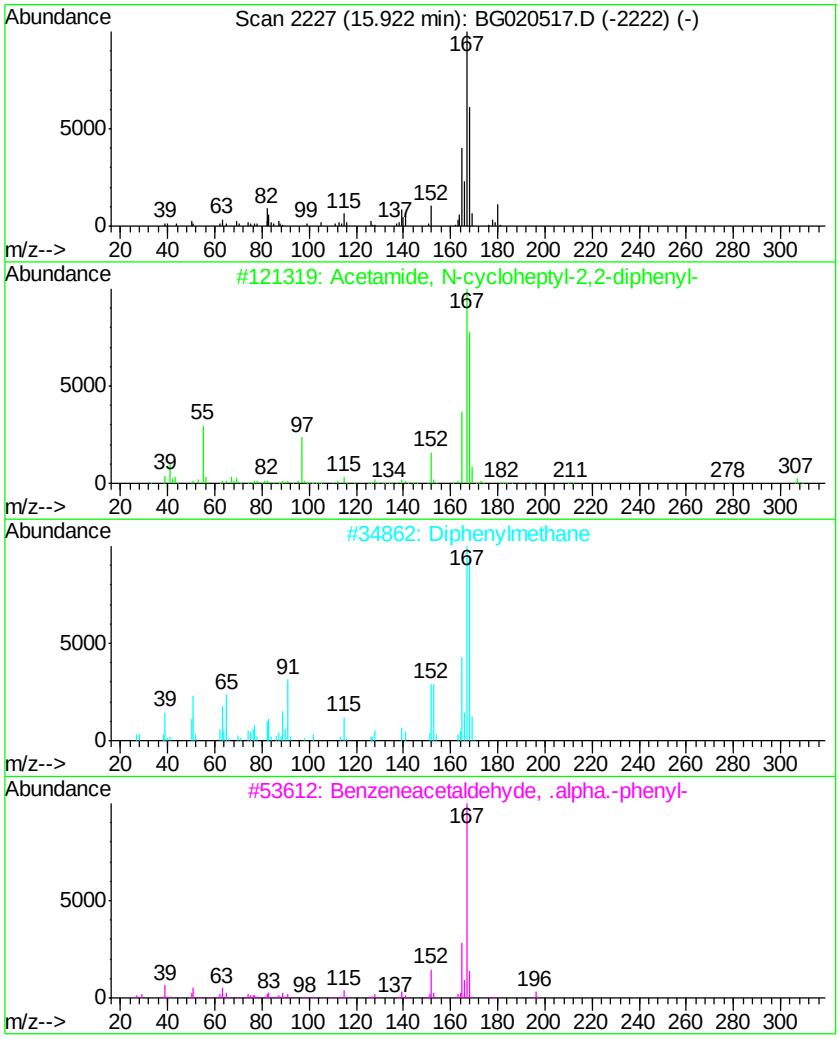
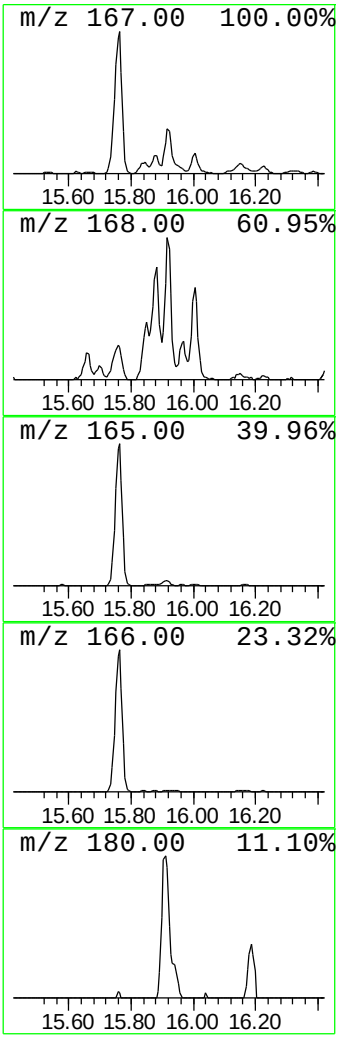
Peak Number 23 Acetamide, N-cycloheptyl-2,... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	13.40 ng/ul	163598	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	50
2	Diphenylmethane	168	C13H12	000101-81-5	47
3	Benzeneacetaldehyde, .alpha.-phe...	196	C14H12O	000947-91-1	43
4	2-Propanone, 1,1-diphenyl-	210	C15H14O	000781-35-1	43
5	Acetamide, 2,2-diphenyl-N-(4-chl...	366	C20H15ClN2O3	1000295-48-3	43





Library Search Compound Report

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ClientSampleId : D9N71

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Quant Title : SVOA CALIBRATION

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

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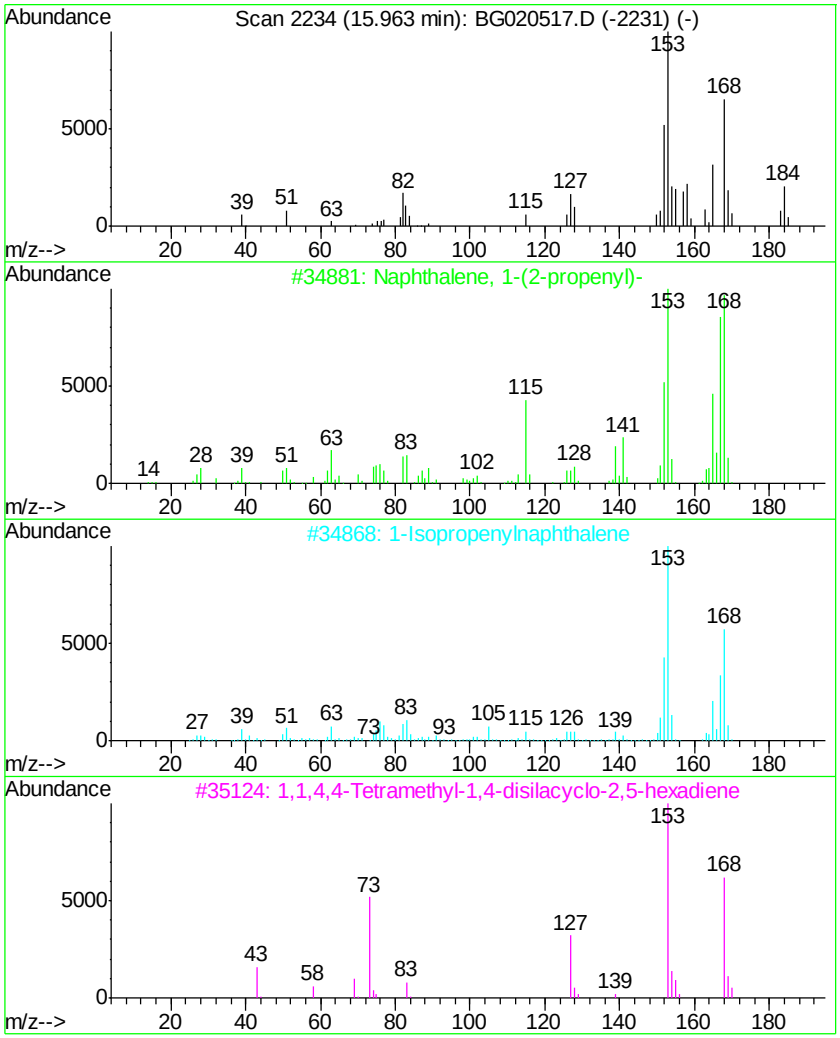
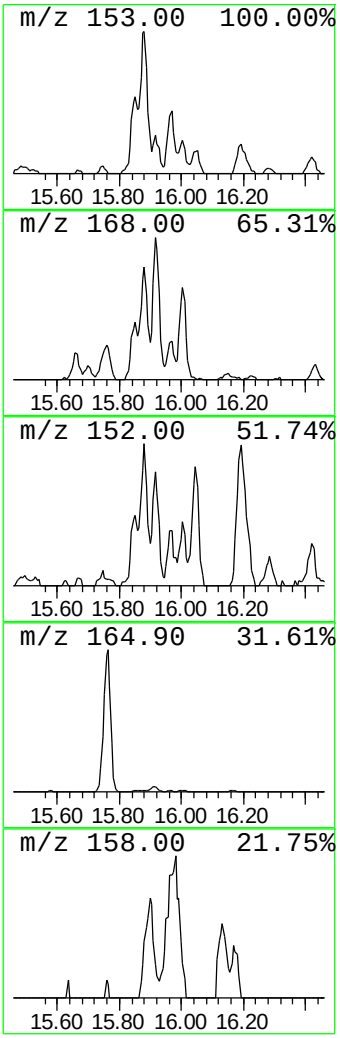
Peak Number 24 unknown-02 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.96	4.18 ng/ul	51039	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	49
2	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	47
3	1,1,4,4-Tetramethyl-1,4-disilacy...	168	C8H16Si2	020627-53-6	37
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	32
5	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	25





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ClientSampleId : D9N71

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Quant Title : SVOA CALIBRATION

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

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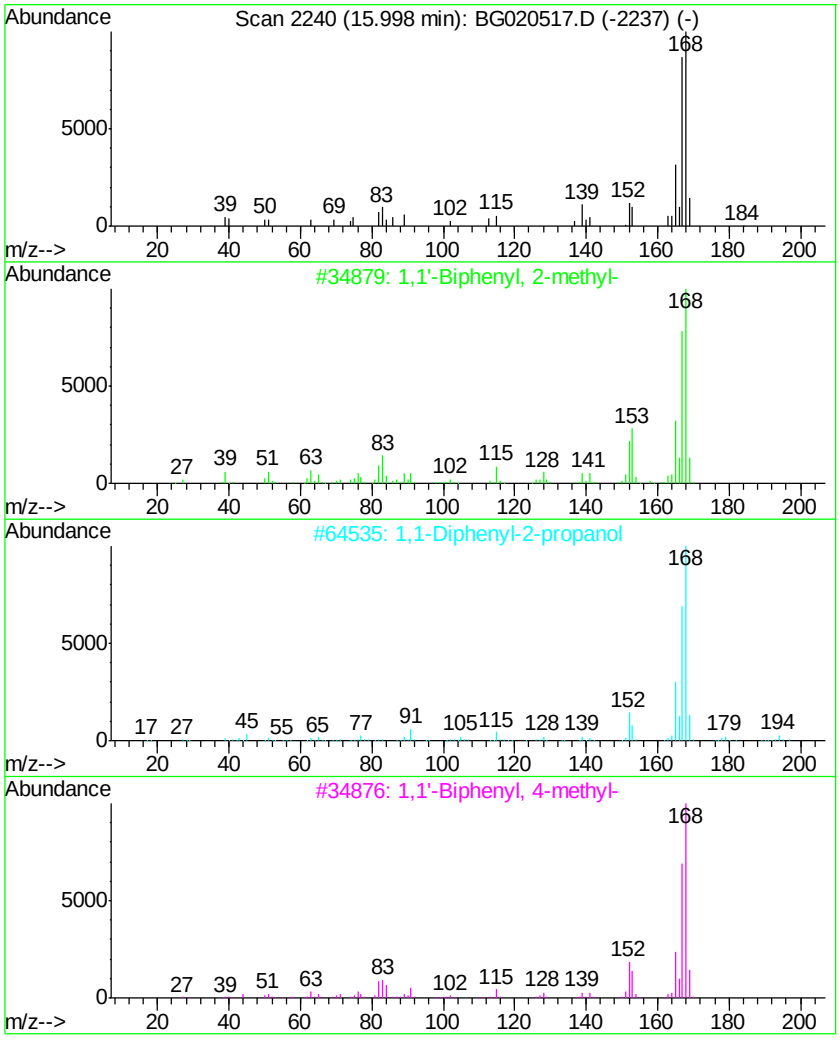
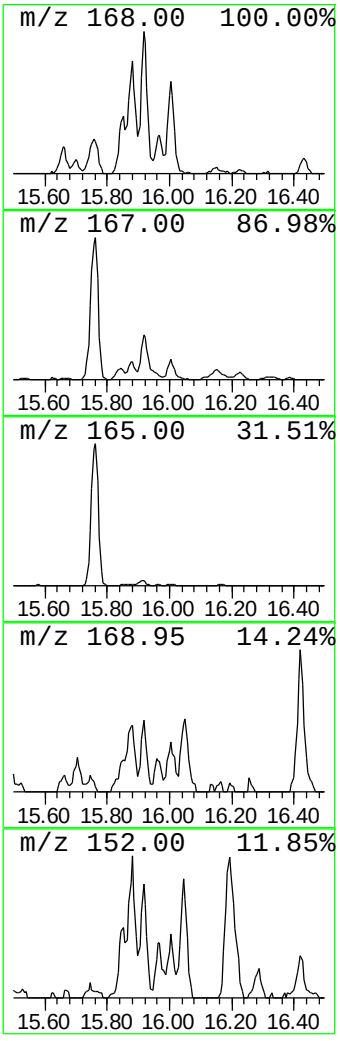
Peak Number 25 1,1'-Biphenyl, 2-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	5.62 ng/ul	68596	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	91
2	1,1-Diphenyl-2-propanol	212	C15H16O	029338-49-6	90
3	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	83
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	81
5	Diphenylmethane	168	C13H12	000101-81-5	80





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ALS Vial : 56 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N71

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Quant Title : SVOA CALIBRATION

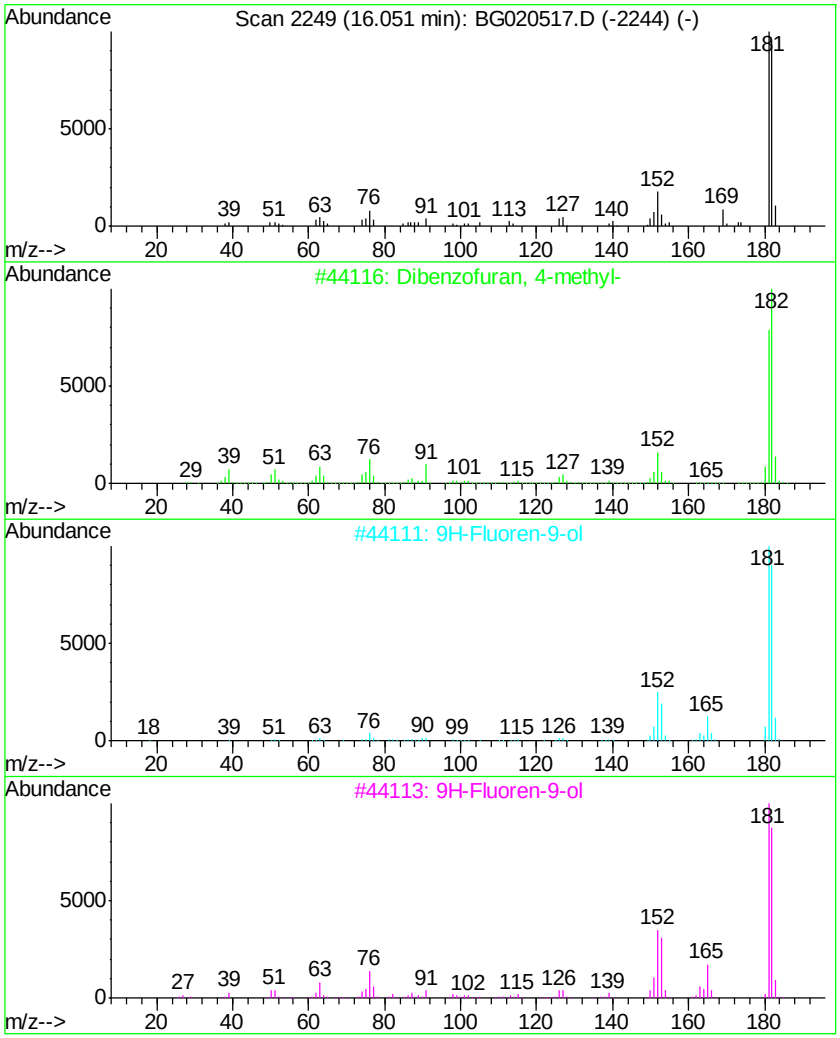
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

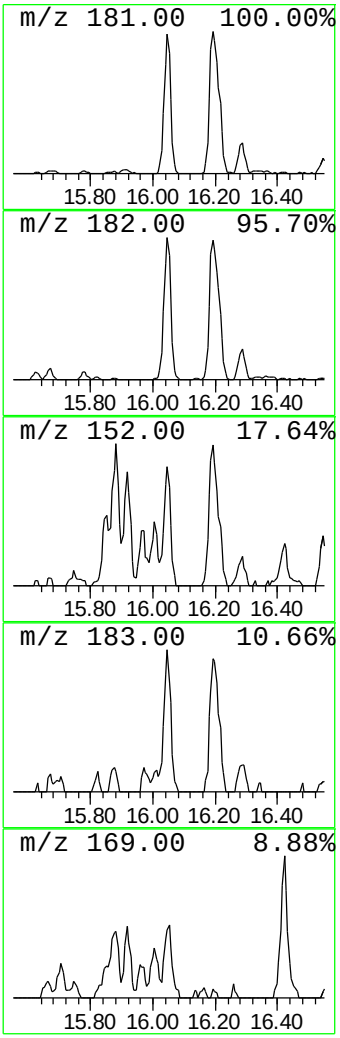
****

Peak Number 26 Dibenzofuran, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	9.72 ng/ul	118650	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	86
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
4	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	64
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	64





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Acq On : 25 Dec 2015 23:44
Operator : UM/SJ
Sample : G4847-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N71

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Quant Title : SVOA CALIBRATION

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

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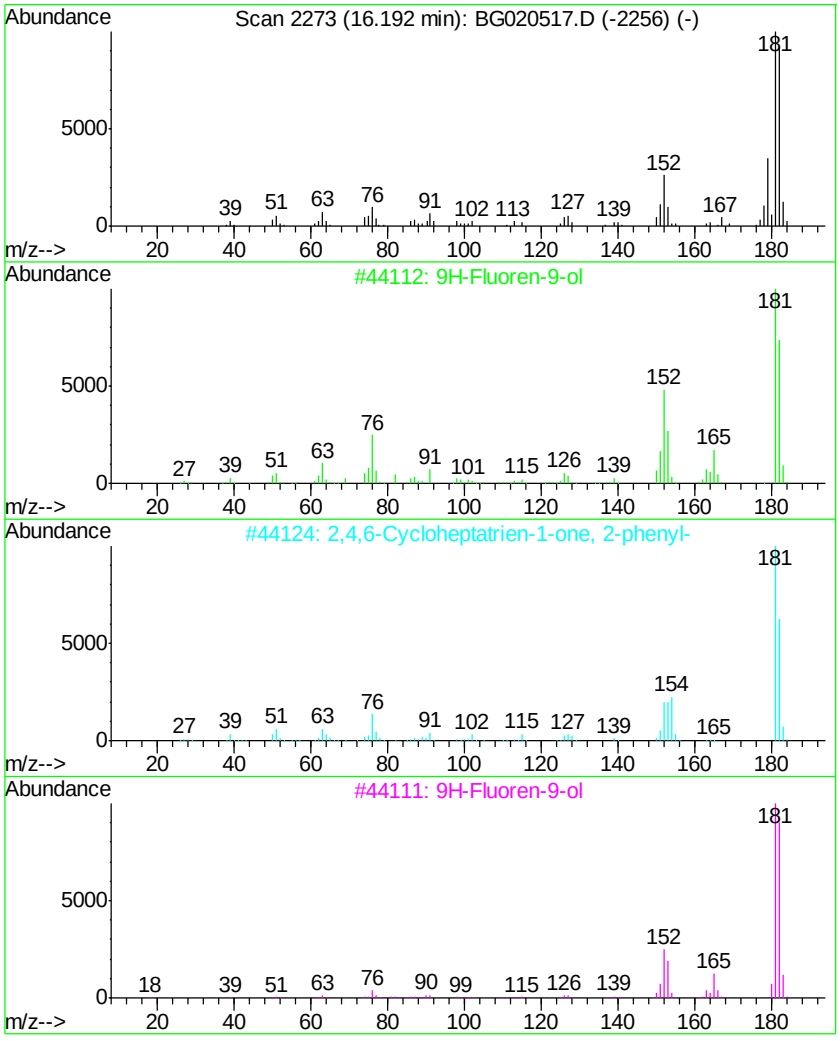
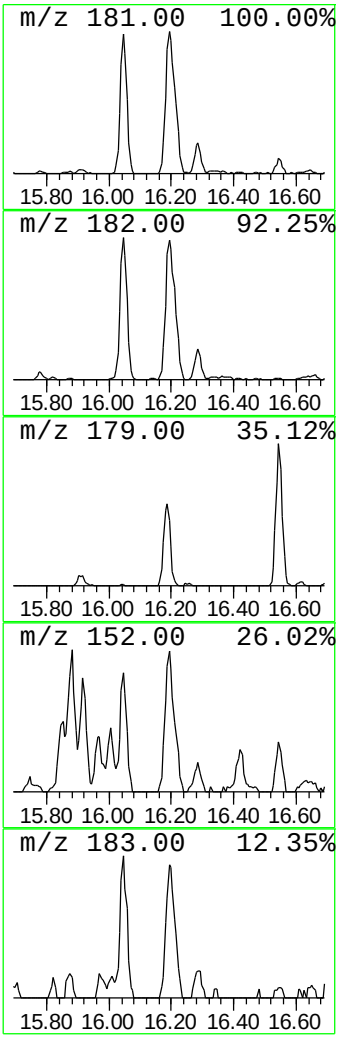
Peak Number 27 9H-Fluoren-9-ol Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.19	13.90 ng/ul	250497	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	74
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	74
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	60





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Sample : G4847-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N71

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Quant Title : SVOA CALIBRATION

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

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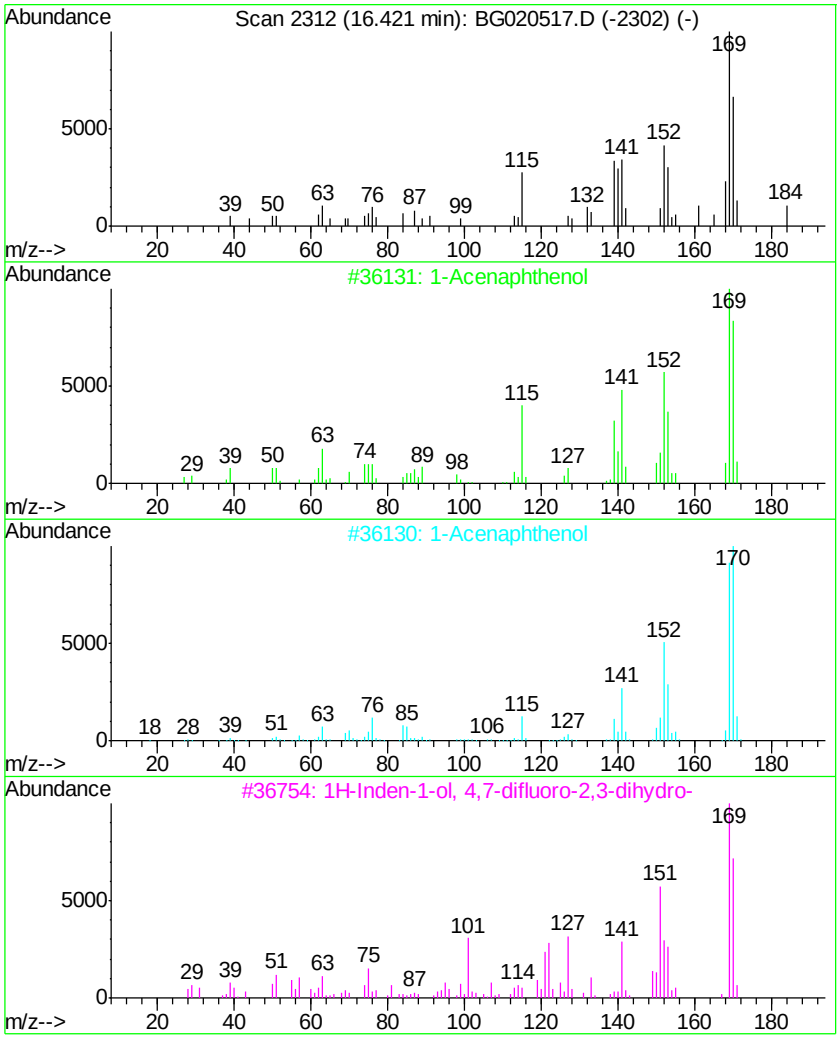
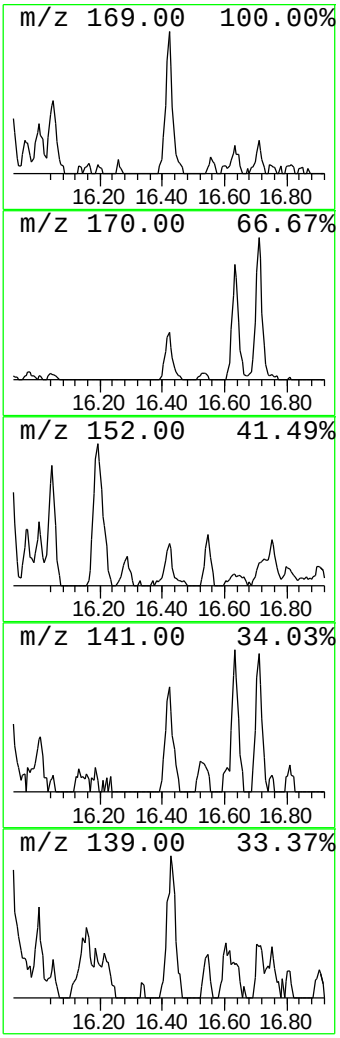
Peak Number 28 1-Acenaphthenol Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.42	2.39 ng/ul	43139	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Acenaphthenol	170	C12H10O	006306-07-6	70
2	1-Acenaphthenol	170	C12H10O	006306-07-6	58
3	1H-Inden-1-ol, 4,7-difluoro-2,3-...	170	C9H8F2O	130408-17-2	52
4	[1,1'-Biphenyl]-3-amine	169	C12H11N	002243-47-2	38
5	[1,1'-Biphenyl]-4-amine	169	C12H11N	000092-67-1	35





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Sample : G4847-07
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ALS Vial : 56 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N71

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Quant Title : SVOA CALIBRATION

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

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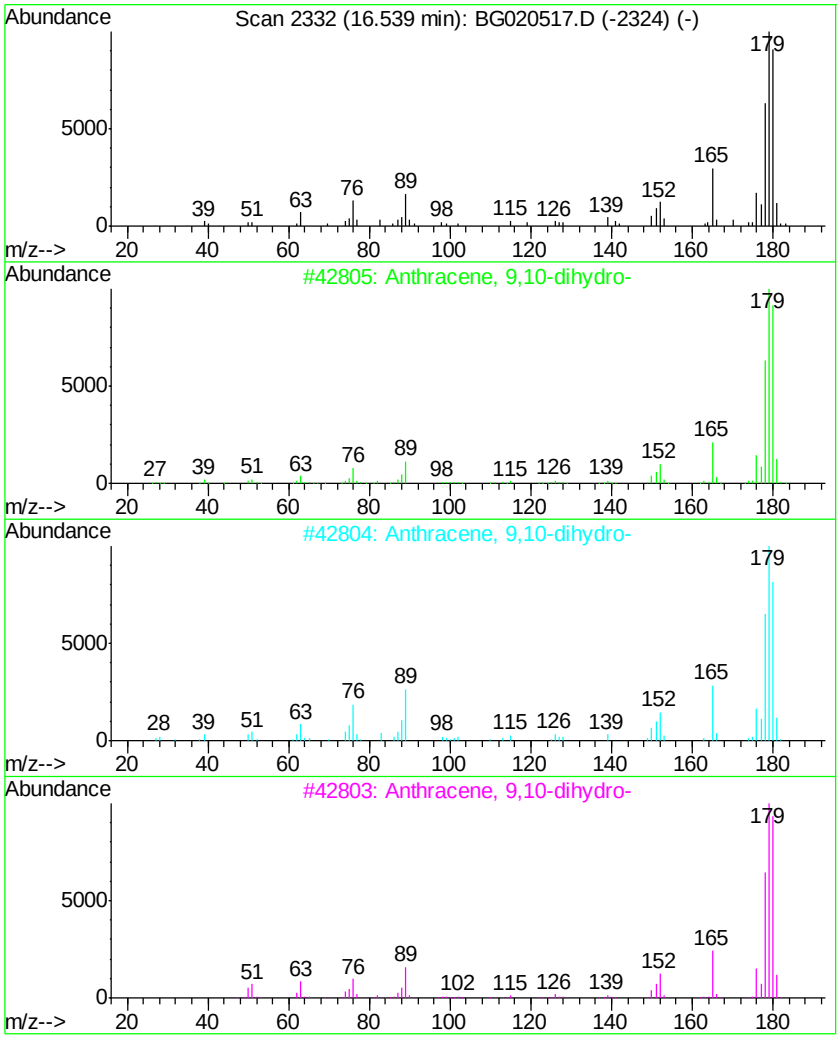
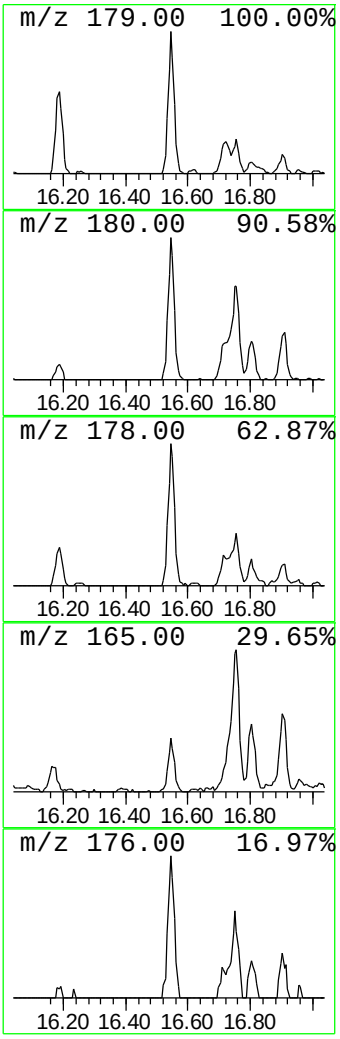
Peak Number 29 Anthracene, 9,10-dihydro- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.54	5.90 ng/ul	106213	Phenanthrene-d10	17.46

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	95
5	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	91





Library Search Compound Report

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Operator : UM/SJ
Sample : G4847-07
Misc :
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ClientSampleId : D9N71

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Quant Title : SVOA CALIBRATION

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

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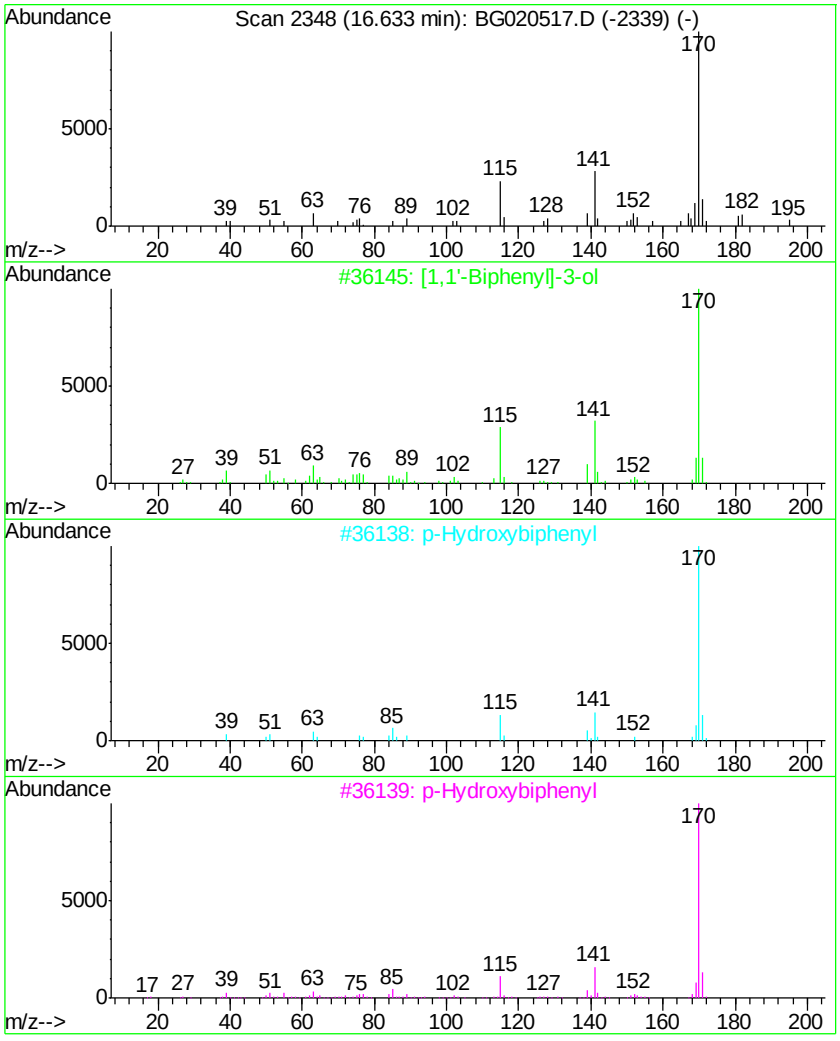
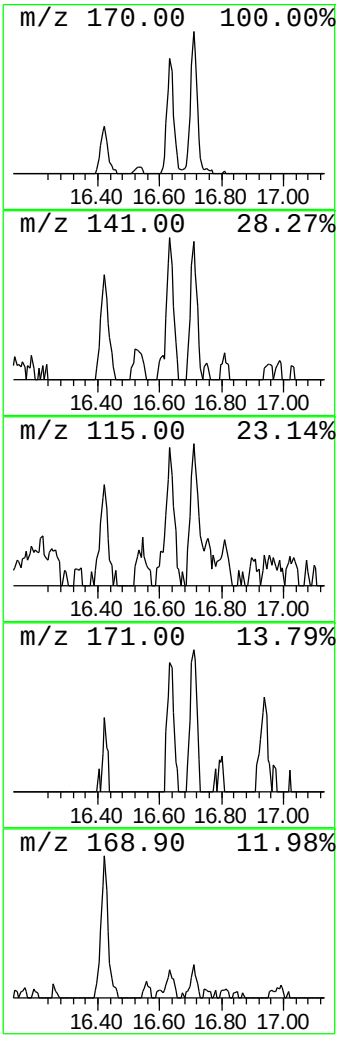
Peak Number 30 [1,1'-Biphenyl]-3-ol Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.63	2.56 ng/ul	46151	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	91
2	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	90
3	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	90
4	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	87
5	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	87





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Quant Title : SVOA CALIBRATION

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

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Peak Number 32 9H-Fluorene, 2-methyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	4.11 ng/ul	74004	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	89
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	76
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	64
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	55
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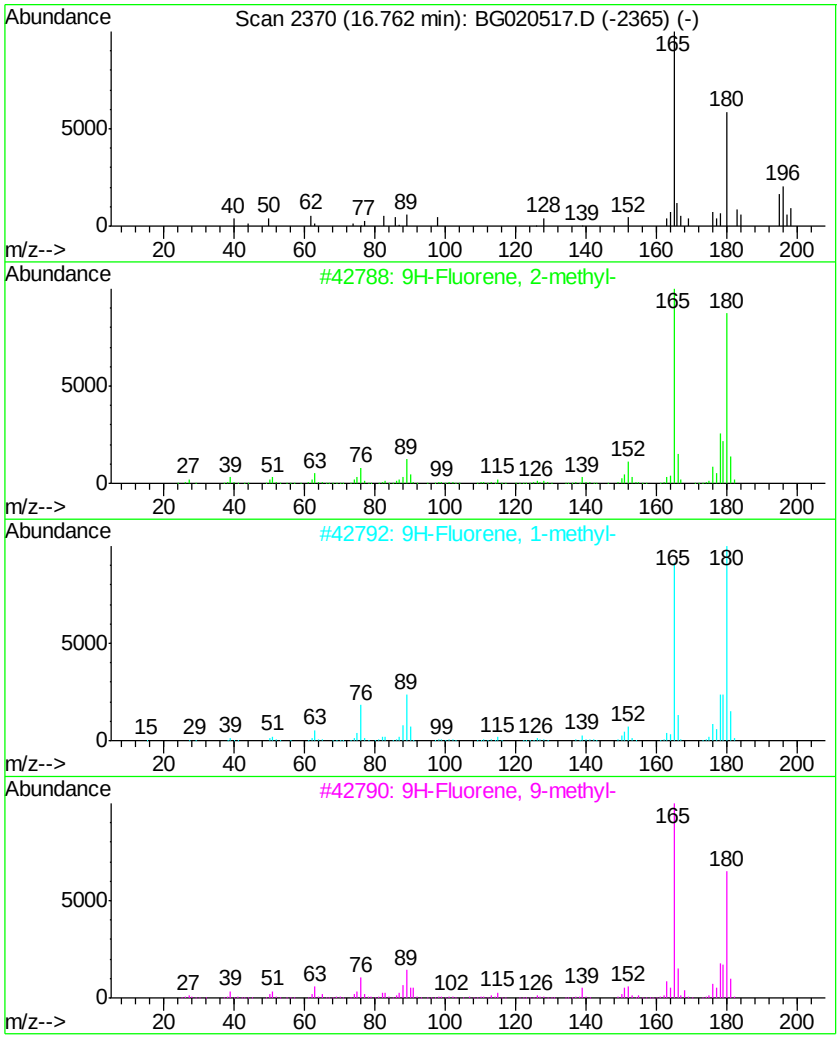

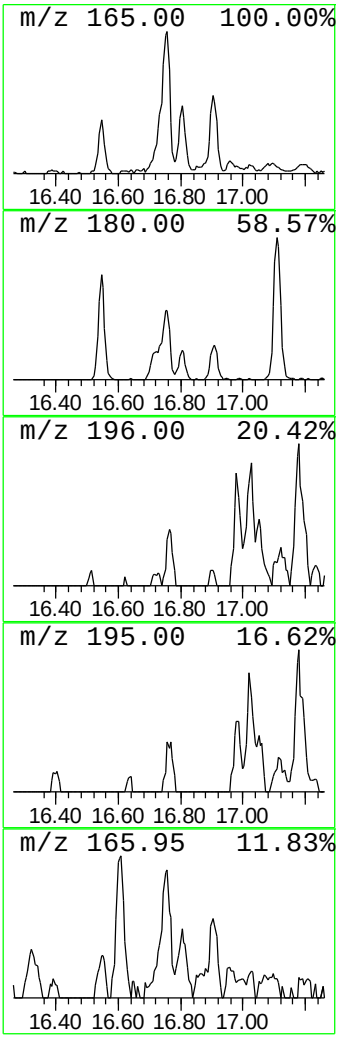

Tentatively Identified Compound (LSC) summary

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Data File : BG020517.D
Acq On : 25 Dec 2015 23:44
Operator : UM/SJ
Sample : G4847-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N71

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	9.8	ng/ul	44562	1	8.08	91028	20.0
Indane	8.45	9.9	ng/ul	45189	1	8.08	91028	20.0
Indene	8.62	43.8	ng/ul	199306	1	8.08	91028	20.0
Benzofuran, 7-met...	9.56	4.7	ng/ul	29631	2	10.90	125329	20.0
3-Phenylbut-1-ene	10.29	13.1	ng/ul	82341	2	10.90	125329	20.0
1H-Indene, 1-methyl-	10.39	7.7	ng/ul	48459	2	10.90	125329	20.0
2-Benzothiophene #	11.07	58.2	ng/ul	364539	2	10.90	125329	20.0
Benzo[b]thiophene...	12.44	6.3	ng/ul	39464	2	10.90	125329	20.0
Benzo[b]thiophene...	12.66	6.7	ng/ul	41900	2	10.90	125329	20.0
Naphthalene, 1-me...	12.77	154.2	ng/ul	966215	2	10.90	125329	20.0
Naphthalene, 1-et...	13.74	8.9	ng/ul	109290	3	14.71	244139	20.0
Naphthalene, 2,7-...	13.89	13.8	ng/ul	168817	3	14.71	244139	20.0
Naphthalene, 2,3-...	14.03	17.5	ng/ul	213359	3	14.71	244139	20.0
2-Naphthalenecarb...	14.84	26.5	ng/ul	322980	3	14.71	244139	20.0
o-Hydroxybiphenyl	14.98	2.9	ng/ul	35290	3	14.71	244139	20.0
unknown-01	15.02	5.3	ng/ul	64528	3	14.71	244139	20.0
Propanedioic acid...	15.19	3.7	ng/ul	44808	3	14.71	244139	20.0
Naphthalene, 1,4,...	15.32	2.1	ng/ul	26262	3	14.71	244139	20.0
1-Isopropenylnaph...	15.88	8.8	ng/ul	107301	3	14.71	244139	20.0
Acetamide, N-cycl...	15.92	13.4	ng/ul	163598	3	14.71	244139	20.0
unknown-02	15.96	4.2	ng/ul	51039	3	14.71	244139	20.0
1,1'-Biphenyl, 2-...	16.00	5.6	ng/ul	68596	3	14.71	244139	20.0
Dibenzofuran, 4-m...	16.05	9.7	ng/ul	118650	3	14.71	244139	20.0
9H-Fluoren-9-ol	16.19	13.9	ng/ul	250497	4	17.46	360338	20.0
1-Acenaphthenol	16.42	2.4	ng/ul	43139	4	17.46	360338	20.0
Anthracene, 9,10-...	16.54	5.9	ng/ul	106213	4	17.46	360338	20.0
[1,1'-Biphenyl]-3-ol	16.63	2.6	ng/ul	46151	4	17.46	360338	20.0
9H-Fluorene, 2-me...	16.76	4.1	ng/ul	74004	4	17.46	360338	20.0