LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020553.D
Acq On : 27 Dec 2015 13:19
Operator : UM/SJ
Sample : G4846-17
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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	38	44	53	rBV	39349	71216	0.36%	0.084%
2	7.397	768	776	784	rBV	72059	117904	0.60%	0.139%
3	7.608	805	812	820	rBV	77236	130921	0.66%	0.154%
4	7.720	823	831	838	rBV3	46050	81476	0.41%	0.096%
5	8.078	886	892	898	rBV	68580	116220	0.59%	0.137%
6	8.454	949	956	964	rVB	111882	191811	0.97%	0.226%
7	8.619	974	984	994	rBV	620131	1071344	5.41%	1.263%
8	8.783	1004	1012	1023	rBB	68164	120716	0.61%	0.142%
9	9.253	1084	1092	1099	rBV2	97289	189922	0.96%	0.224%
10	9.565	1133	1145	1151	rBV	73017	158173	0.80%	0.187%
11	9.976	1208	1215	1225	rBV2	86163	153928	0.78%	0.182%
12	10.293	1261	1269	1270	rBV2	57140	102151	0.52%	0.120%
13	10.387	1279	1285	1290	rBV	52953	108573	0.55%	0.128%
14	10.523	1299	1308	1316	rBV	166469	315123	1.59%	0.372%
15	11.010	1366	1391	1396	rVV	5821502	19795067	100.00%	23.342%
16	11.087	1397	1404	1411	rVB	580820	940905	4.75%	1.109%
17	12.444	1629	1635	1644	rVB	85406	144782	0.73%	0.171%
18	12.561	1644	1655	1666	rBV	2721863	5216667	26.35%	6.151%
19	12.667	1666	1673	1679	rVV	112504	207690	1.05%	0.245%
20	12.779	1679	1692	1699	rVB	1787875	3213020	16.23%	3.789%
21	13.184	1755	1761	1768	rBV	46000	79846	0.40%	0.094%
22	13.255	1768	1773	1781	rVB	40472	66318	0.34%	0.078%
23	13.548	1815	1823	1831	rBV	946682	1465110	7.40%	1.728%
24	13.742	1850	1856	1866	rVB	177274	365240	1.85%	0.431%
25	13.877	1866	1879	1880	rBV2	175948	304730	1.54%	0.359%
26	14.030	1898	1905	1910	rBV	305096	560286	2.83%	0.661%
27	14.089	1910	1915	1917	rVV	204879	331083	1.67%	0.390%
28	14.118	1917	1920	1925	rVV	282463	390190	1.97%	0.460%
29	14.271	1940	1946	1949	rBV	120731	190275	0.96%	0.224%
30	14.412	1962	1970	1971	rBV	301784	441879	2.23%	0.521%
31	14.436	1971	1974	1986	rVB	443128	695137	3.51%	0.820%
32	14.688	2012	2017	2019	rVV	158384	236683	1.20%	0.279%
33	14.718	2019	2022	2027	rVV2	178558	292034	1.48%	0.344%
34	14.800	2027	2036	2041	rVV	3841624	7333496	37.05%	8.647%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020553.D
Acq On : 27 Dec 2015 13:19
Operator : UM/SJ
Sample : G4846-17
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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	14.859	2041	2046	2052	rVV	995505	1624977	8.21%	1.916%
36	14.917	2052	2056	2063	rVV5	39275	91769	0.46%	0.108%
37	14.988	2063	2068	2070	rVV2	42188	68107	0.34%	0.080%
38	15.023	2070	2074	2078	rVV	85476	143768	0.73%	0.170%
39	15.129	2083	2092	2098	rVV2	2444624	4614636	23.31%	5.441%
40	15.194	2098	2103	2111	rVB2	52510	102945	0.52%	0.121%
41	15.317	2117	2124	2130	rBV3	36446	71181	0.36%	0.084%
42	15.705	2185	2190	2195	rVV	376696	619242	3.13%	0.730%
43	15.775	2195	2202	2207	rVB	2329501	3948033	19.94%	4.655%
44	15.834	2207	2212	2217	rBV4	99420	217178	1.10%	0.256%
45	15.887	2217	2221	2224	rVV4	125667	222556	1.12%	0.262%
46	15.922	2224	2227	2232	rVV2	161484	248030	1.25%	0.292%
47	15.969	2232	2235	2238	rVV3	58786	91910	0.46%	0.108%
48	16.010	2238	2242	2245	rVV	81168	116713	0.59%	0.138%
49	16.051	2245	2249	2259	rVB	164934	253882	1.28%	0.299%
50	16.192	2259	2273	2282	rBV2	217386	524002	2.65%	0.618%
51	16.263	2282	2285	2294	rVB2	41799	99115	0.50%	0.117%
52	16.433	2303	2314	2322	rBV3	70740	150006	0.76%	0.177%
53	16.551	2325	2334	2339	rBV	132863	205322	1.04%	0.242%
54	16.610	2339	2344	2347	rBV	57473	89317	0.45%	0.105%
55	16.715	2357	2362	2366	rBV2	87825	176790	0.89%	0.208%
56	16.756	2366	2369	2374	rVV	97702	167723	0.85%	0.198%
57	16.809	2374	2378	2385	rVB2	44238	79741	0.40%	0.094%
58	17.115	2426	2430	2437	rVB	61855	107234	0.54%	0.126%
59	17.244	2448	2452	2453	rVV	54709	69743	0.35%	0.082%
60	17.279	2453	2458	2465	rVB	320563	501354	2.53%	0.591%
61	17.344	2465	2469	2473	rBV	40228	63740	0.32%	0.075%
62	17.403	2476	2479	2482	rVV	45820	73916	0.37%	0.087%
63	17.461	2483	2489	2492	rVV2	235388	491891	2.48%	0.580%
64	17.520	2492	2499	2503	rVV	3106058	5578431	28.18%	6.578%
65	17.567	2503	2507	2516	rVV3	1047300	1915415	9.68%	2.259%
66	17.638	2516	2519	2532	rVB3	100537	249749	1.26%	0.294%
67	17.890	2547	2562	2567	rBV	2709983	5542054	28.00%	6.535%
68	17.955	2567	2573	2574	rVV2	121453	174496	0.88%	0.206%
69	17.979	2575	2577	2581	rVV	166228	283674	1.43%	0.335%
70	18.020	2581	2584	2590	rVV	178919	277163	1.40%	0.327%
71	18.102	2590	2598	2604	rVV3	99750	263726	1.33%	0.311%

LSC Area Percent Report

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Data File : BG020553.D
Acq On : 27 Dec 2015 13:19
Operator : UM/SJ
Sample : G4846-17
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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	18.155	2604	2607	2612	rVV3	63429	110999	0.56%	0.131%
73	18.296	2626	2631	2634	rVV	106080	150262	0.76%	0.177%
74	18.331	2634	2637	2641	rVV	81832	116920	0.59%	0.138%
75	18.384	2641	2646	2652	rVV	577047	883883	4.47%	1.042%
76	18.454	2652	2658	2665	rVV3	127343	257560	1.30%	0.304%
77	18.537	2665	2672	2680	rVB2	279644	504928	2.55%	0.595%
78	18.637	2685	2689	2693	rVV	148872	248798	1.26%	0.293%
79	18.678	2693	2696	2700	rVV	169479	229982	1.16%	0.271%
80	18.772	2707	2712	2717	rVB2	217160	316325	1.60%	0.373%
81	18.825	2717	2721	2725	rVB2	132058	182329	0.92%	0.215%
82	18.877	2725	2730	2734	rBV	176401	262163	1.32%	0.309%
83	19.036	2753	2757	2764	rVV5	47915	109446	0.55%	0.129%
84	19.130	2771	2773	2779	rVV5	41855	90501	0.46%	0.107%
85	19.342	2806	2809	2814	rVV4	39442	77125	0.39%	0.091%
86	19.506	2830	2837	2843	rVB	575398	847851	4.28%	1.000%
87	19.606	2849	2854	2861	rVB	77978	113425	0.57%	0.134%
88	19.706	2865	2871	2873	rBV2	57575	91536	0.46%	0.108%
89	19.841	2887	2894	2897	rBV	552889	899786	4.55%	1.061%
90	19.870	2897	2899	2908	rVB2	407672	555702	2.81%	0.655%
91	20.058	2923	2931	2936	rBV5	36701	75711	0.38%	0.089%
92	20.246	2957	2963	2969	rBV	230157	337435	1.70%	0.398%
93	20.335	2969	2978	2992	rVB	551957	1234830	6.24%	1.456%
94	20.840	3060	3064	3073	rVV2	44422	98715	0.50%	0.116%
95	20.928	3074	3079	3083	rVV	88215	156485	0.79%	0.185%
96	20.975	3083	3087	3095	rVV	115077	217762	1.10%	0.257%
97	21.733	3208	3216	3230	rVB2	311924	591446	2.99%	0.697%
98	22.379	3317	3326	3341	rBV	86988	257599	1.30%	0.304%
99	24.782	3723	3735	3746	rBV	233775	696087	3.52%	0.821%
100	25.006	3761	3773	3795	rBV2	112353	370018	1.87%	0.436%

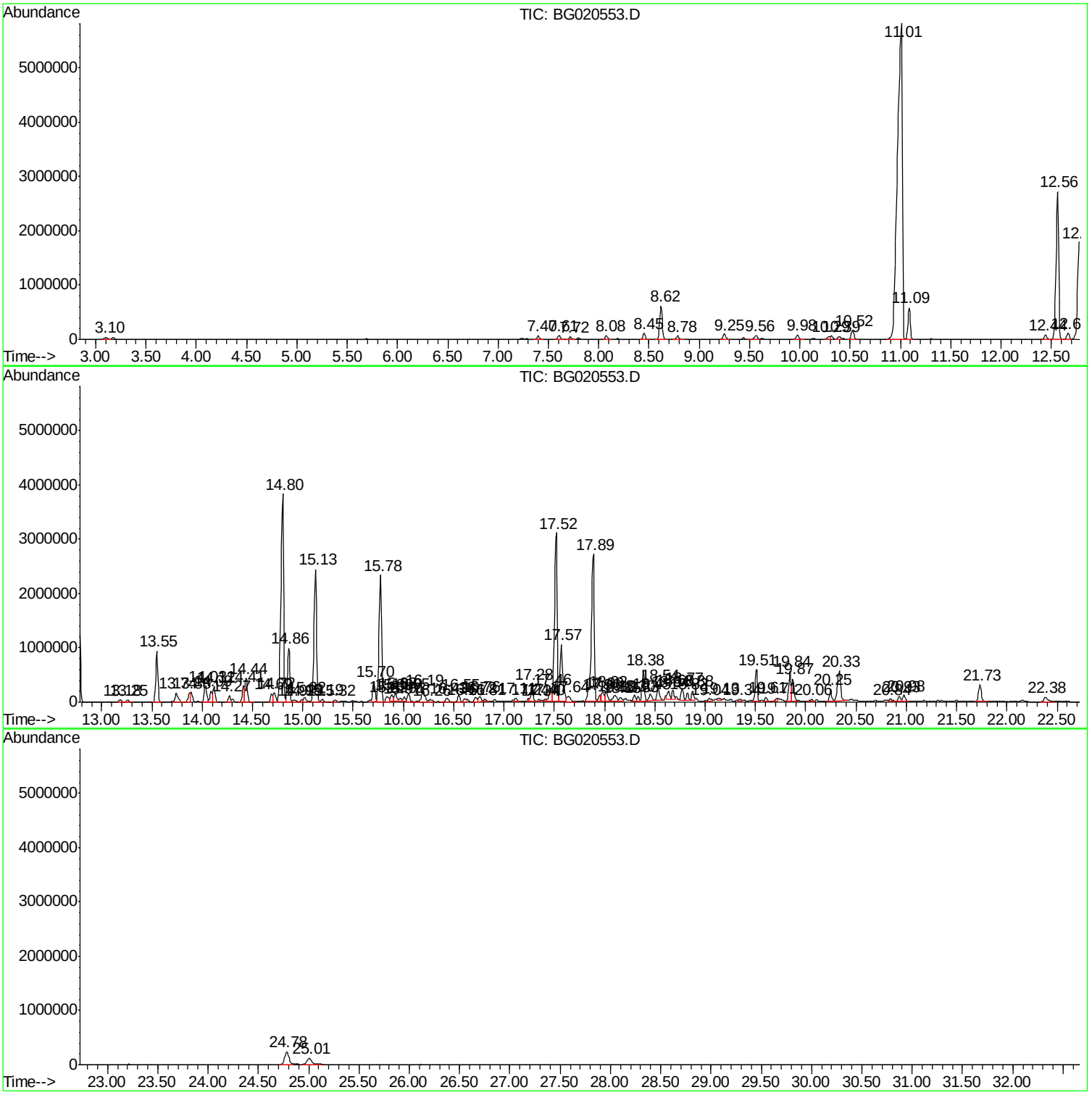
Sum of corrected areas: 84805054

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020553.D
Acq On : 27 Dec 2015 13:19
Operator : UM/SJ
Sample : G4846-17
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N63

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

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020553.D
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Operator : UM/SJ
Sample : G4846-17
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Instrument : BNA_G
ClientSampleId : D9N63

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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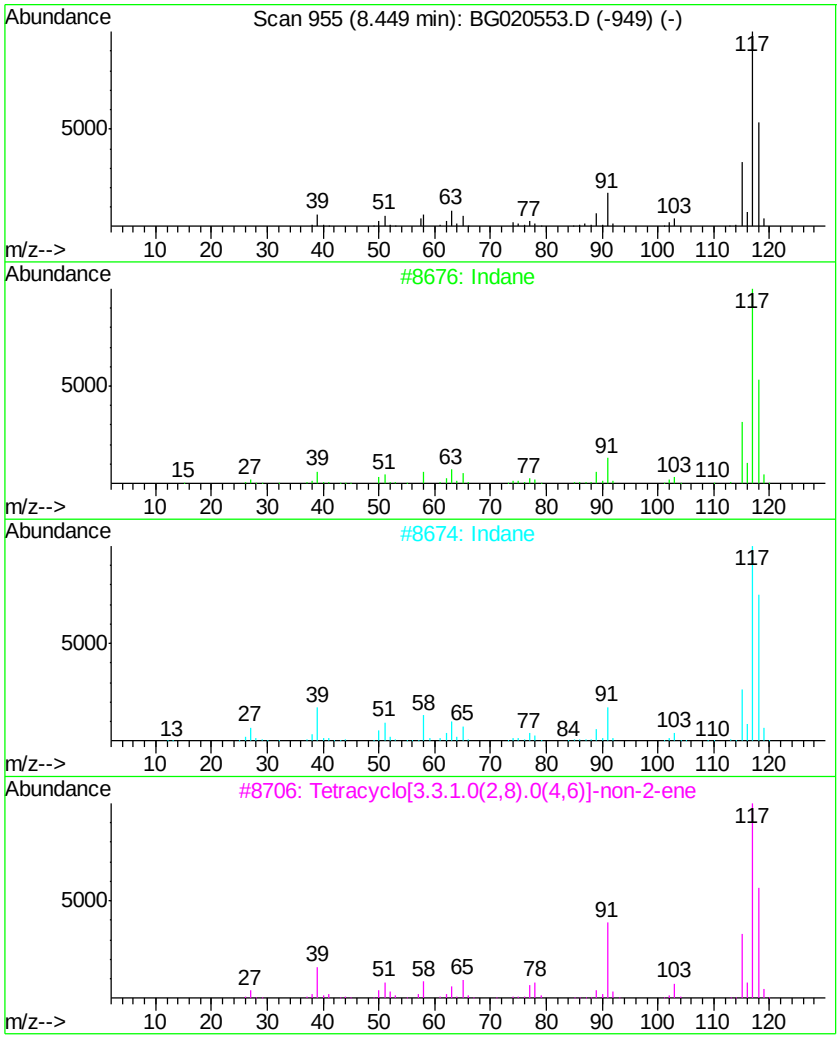
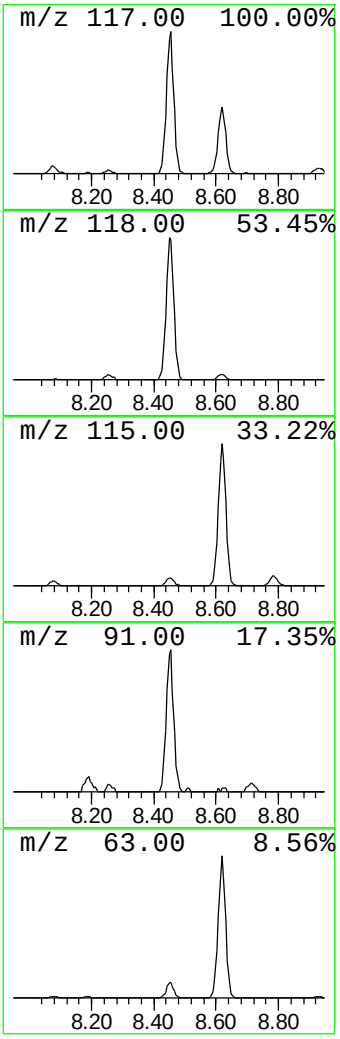
Peak Number 3 Indane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	33.01 ng/ul	191811	1,4-Dichlorobenzene-d4	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	Indane	118	C9H10	000496-11-7	87
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	72
4	Deltacyclene	118	C9H10	007785-10-6	72
5	Indane	118	C9H10	000496-11-7	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020553.D
Acq On : 27 Dec 2015 13:19
Operator : UM/SJ
Sample : G4846-17
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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

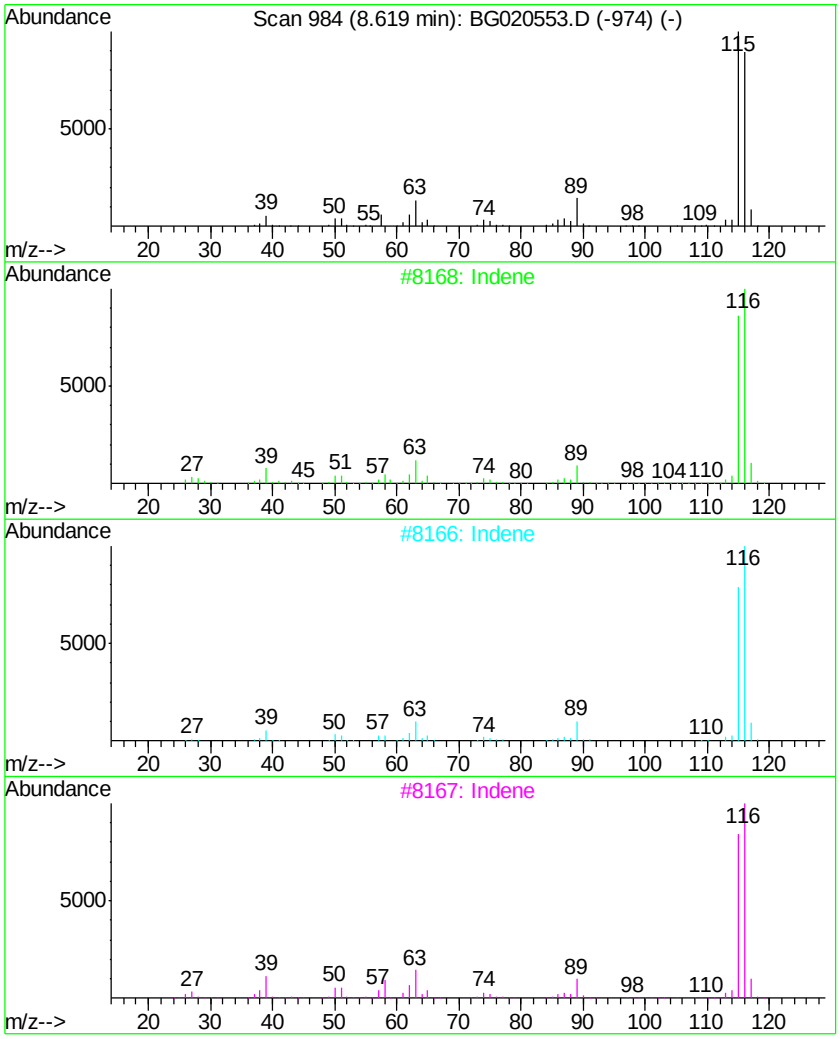
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

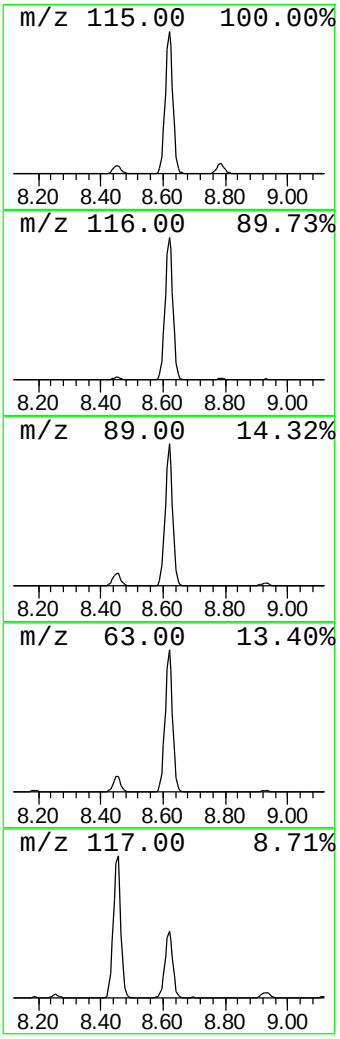
****

Peak Number 4 Indene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.62	184.37 ng/ul	1071340	1,4-Dichlorobenzene-d4	8.08

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	95
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	95
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020553.D
Acq On : 27 Dec 2015 13:19
Operator : UM/SJ
Sample : G4846-17
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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

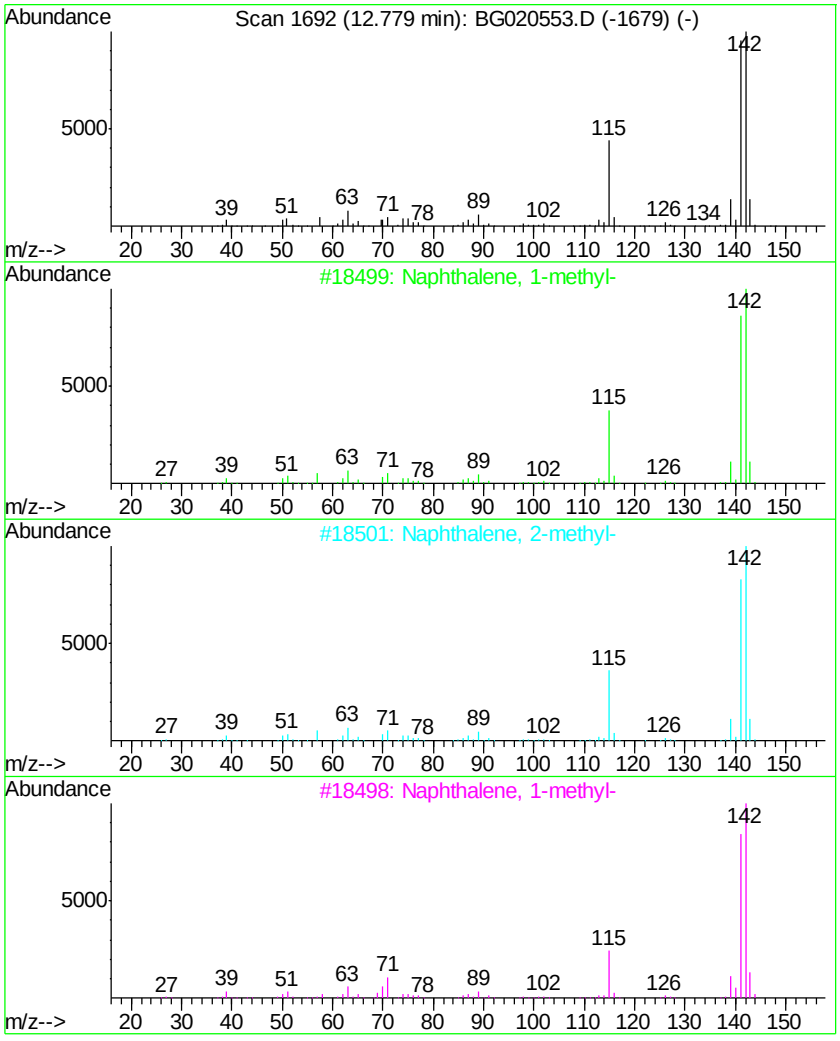
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

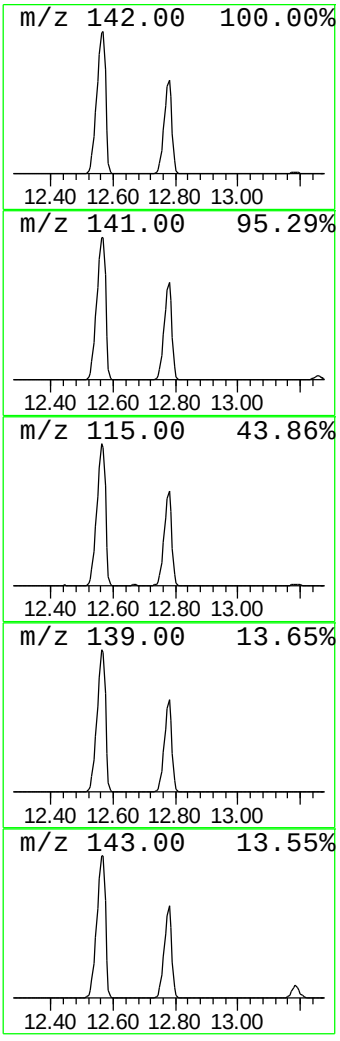
****

Peak Number 5 Naphthalene, 1-methyl- Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	3.25 ng/ul	3213020	Naphthalene-d8	10.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	Benzocycloheptatriene	142	C11H10	000264-09-5	94
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020553.D
Acq On : 27 Dec 2015 13:19
Operator : UM/SJ
Sample : G4846-17
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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

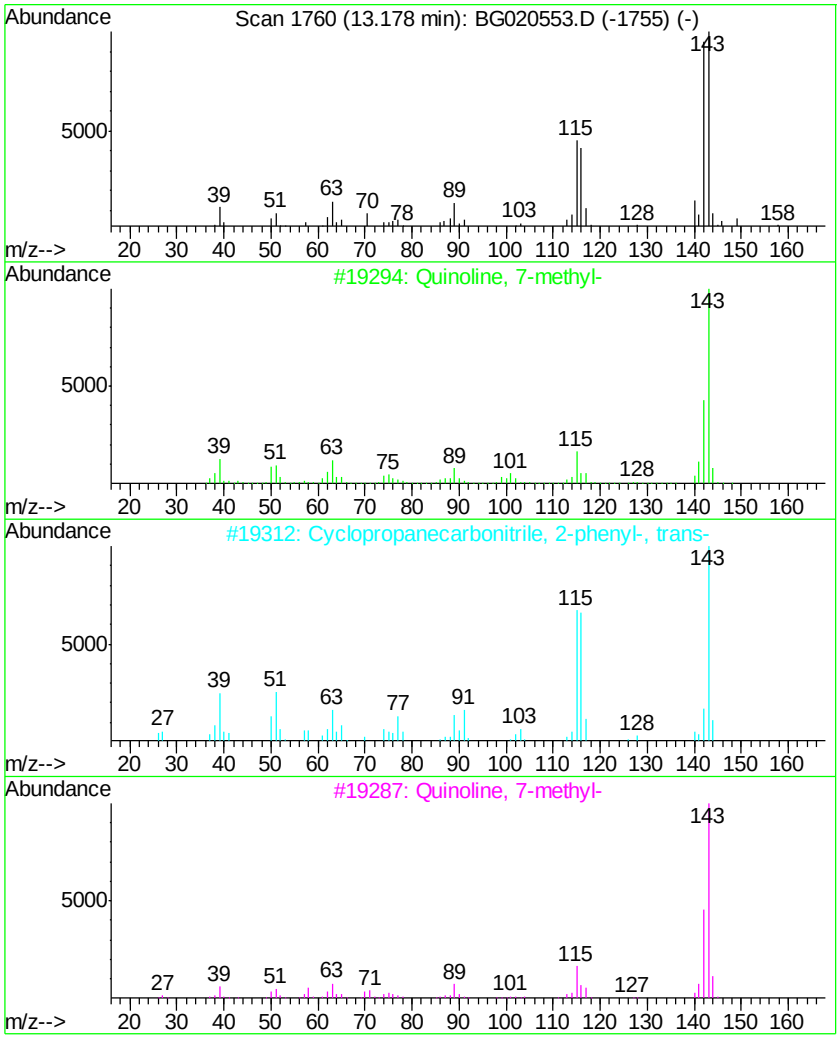
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

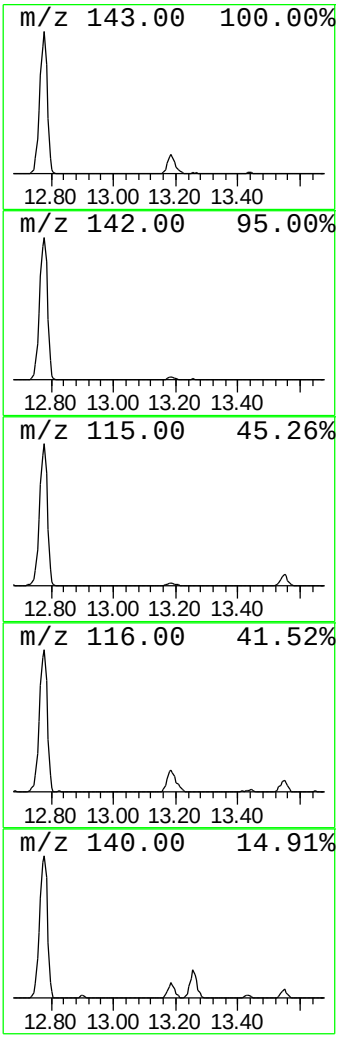
****

Peak Number 6 Quinoline, 7-methyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	5.47 ng/ul	79846	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline, 7-methyl-	143	C10H9N	000612-60-2	62
2	Cyclopropanecarbonitrile, 2-phen...	143	C10H9N	005590-14-7	58
3	Quinoline, 7-methyl-	143	C10H9N	000612-60-2	53
4	Quinoline, 5-methyl-	143	C10H9N	007661-55-4	52
5	1-Propene, 3-cyano-1-phenyl-	143	C10H9N	1000164-96-2	52





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020553.D
Acq On : 27 Dec 2015 13:19
Operator : UM/SJ
Sample : G4846-17
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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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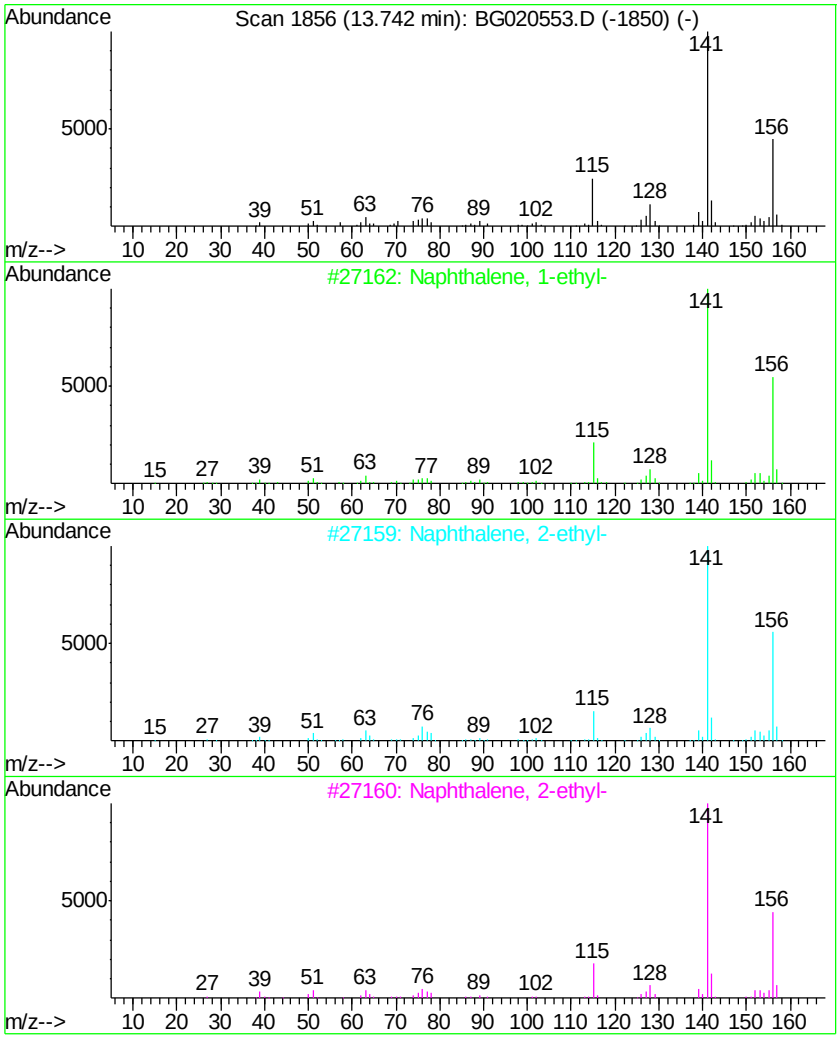
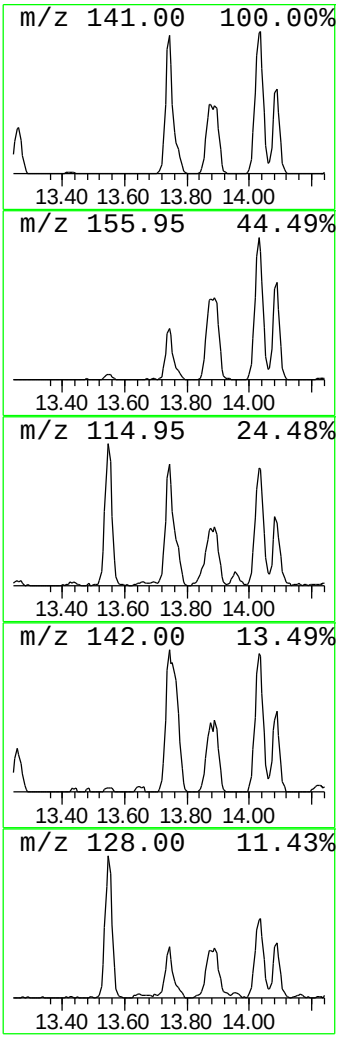
Peak Number 8 Naphthalene, 1-ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	25.01 ng/ul	365240	Acenaphthene-d10	14.72

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





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020553.D
Acq On : 27 Dec 2015 13:19
Operator : UM/SJ
Sample : G4846-17
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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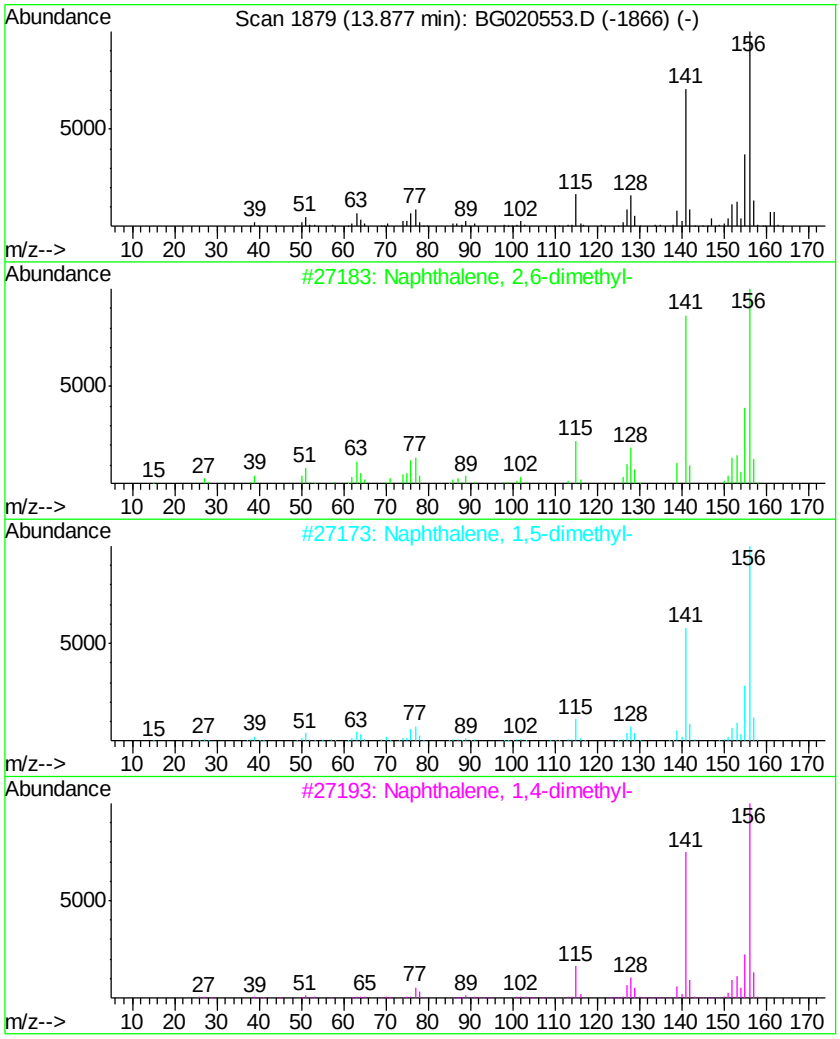
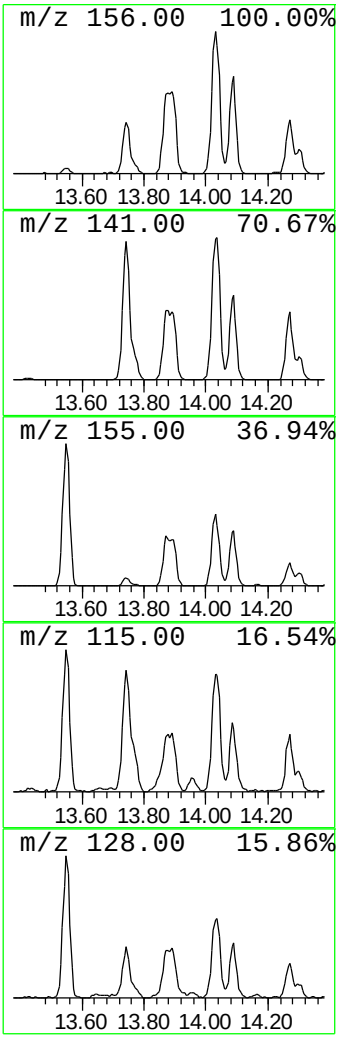
Peak Number 9 Naphthalene, 2,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	20.87 ng/ul	304730	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





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Operator : UM/SJ
Sample : G4846-17
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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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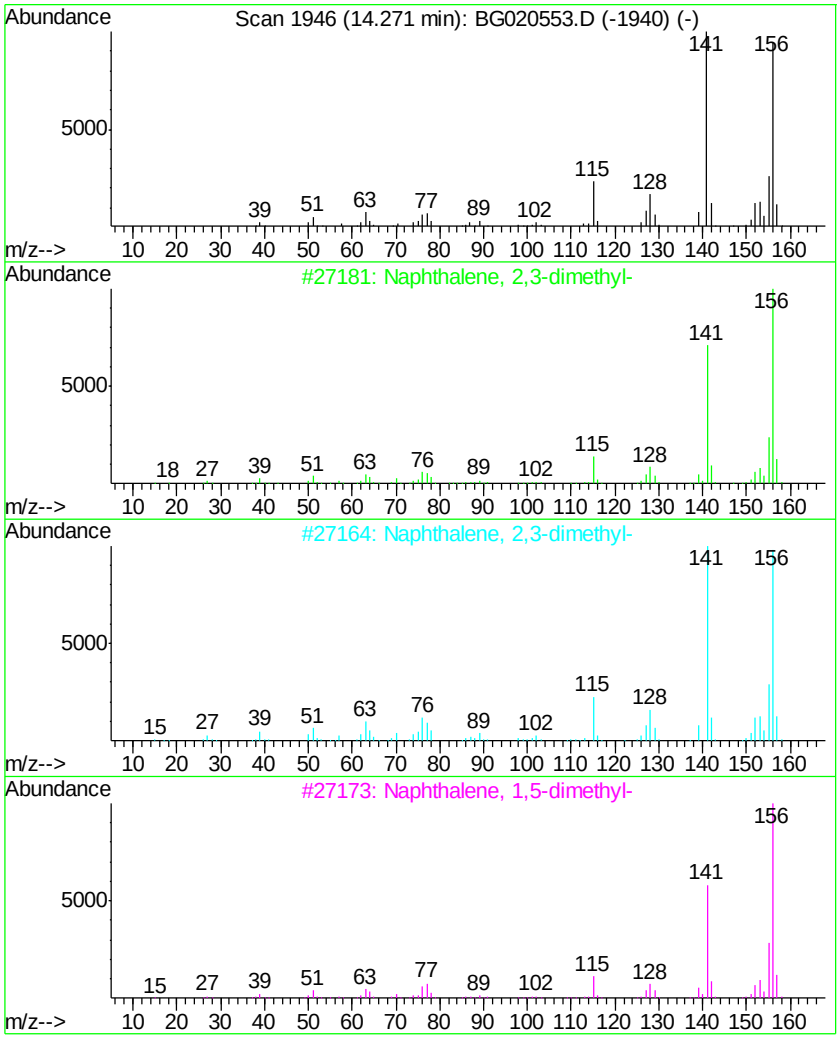
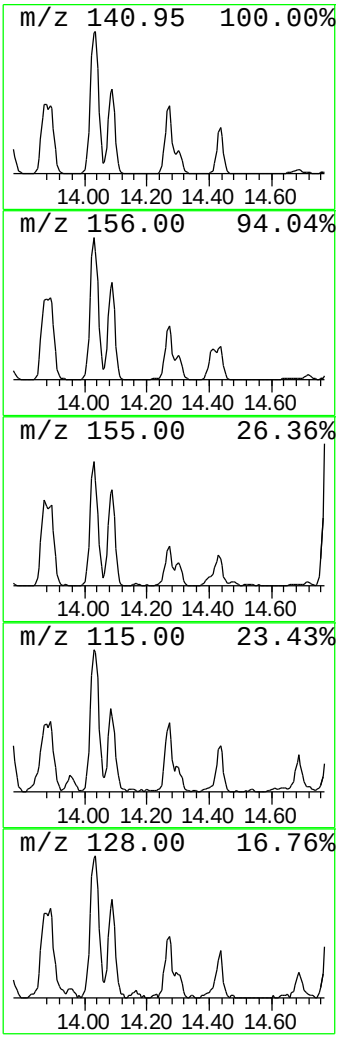
Peak Number 11 Naphthalene, 2,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	13.03 ng/ul	190275	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





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Sample : G4846-17
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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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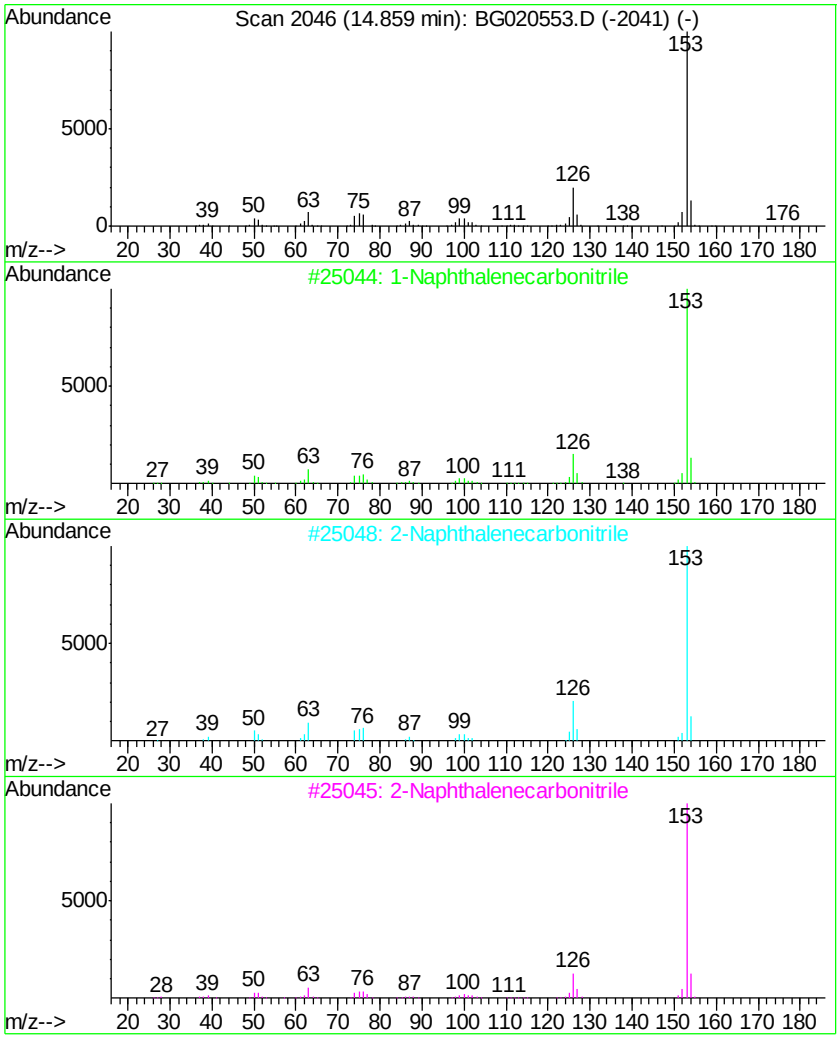
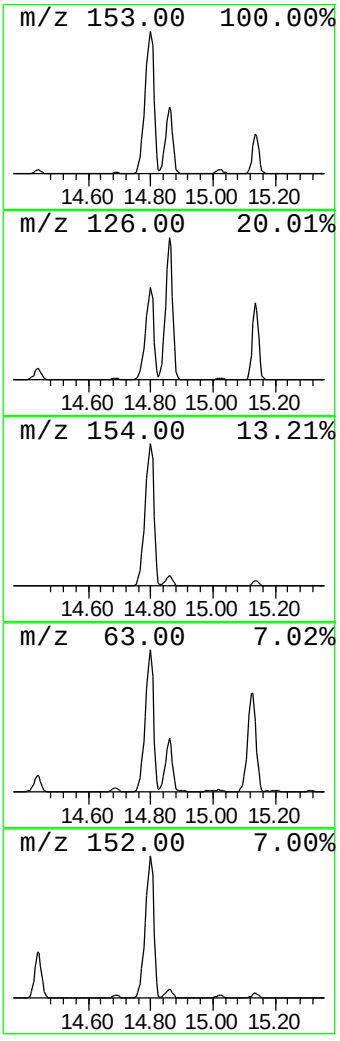
Peak Number 12 1-Naphthalenecarbonitrile Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	111.29 ng/ul	1624980	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	97
2	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	95
3	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	94
4	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	91
5	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91





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Sample : G4846-17
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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Quant Title : SVOA CALIBRATION

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

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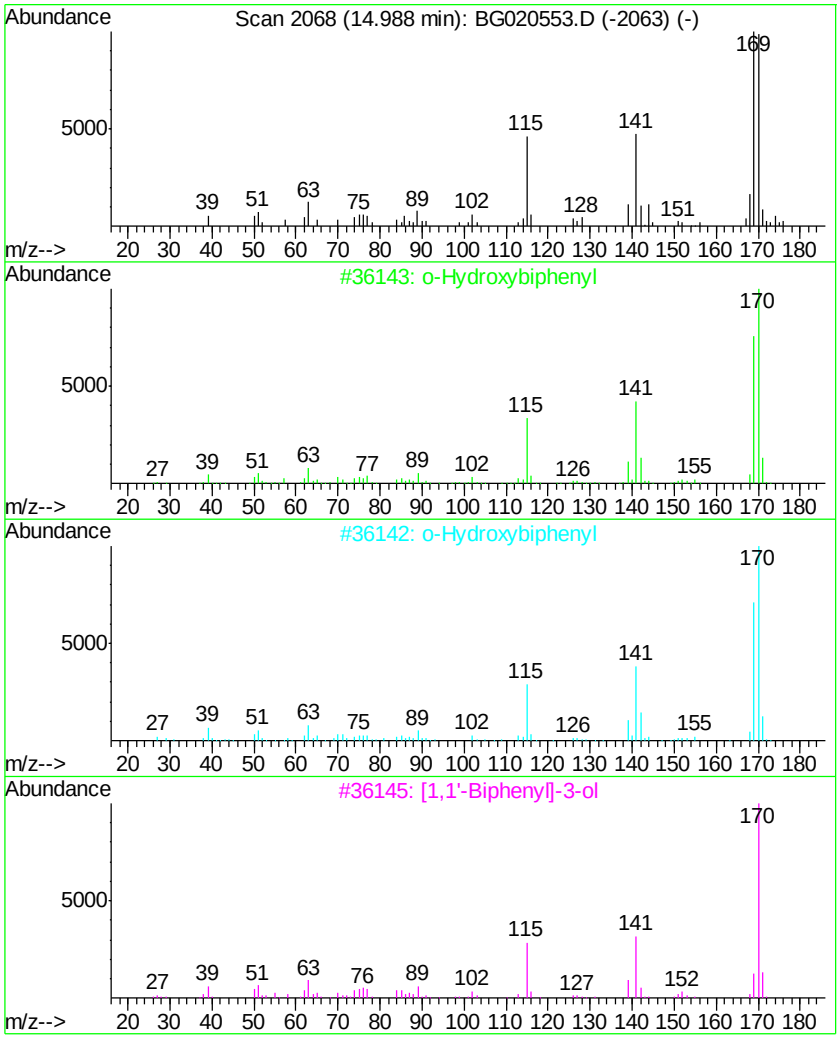
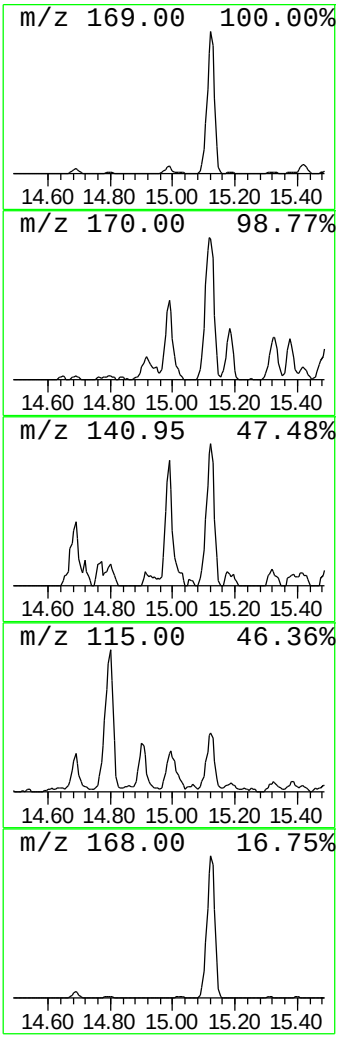
Peak Number 13 o-Hydroxybiphenyl Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.99	4.66 ng/ul	68107	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	90
2	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	72
3	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	58
4	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	53
5	[1,1'-Biphenyl]-4-amine	169	C12H11N	000092-67-1	50





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Sample : G4846-17
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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Quant Title : SVOA CALIBRATION

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

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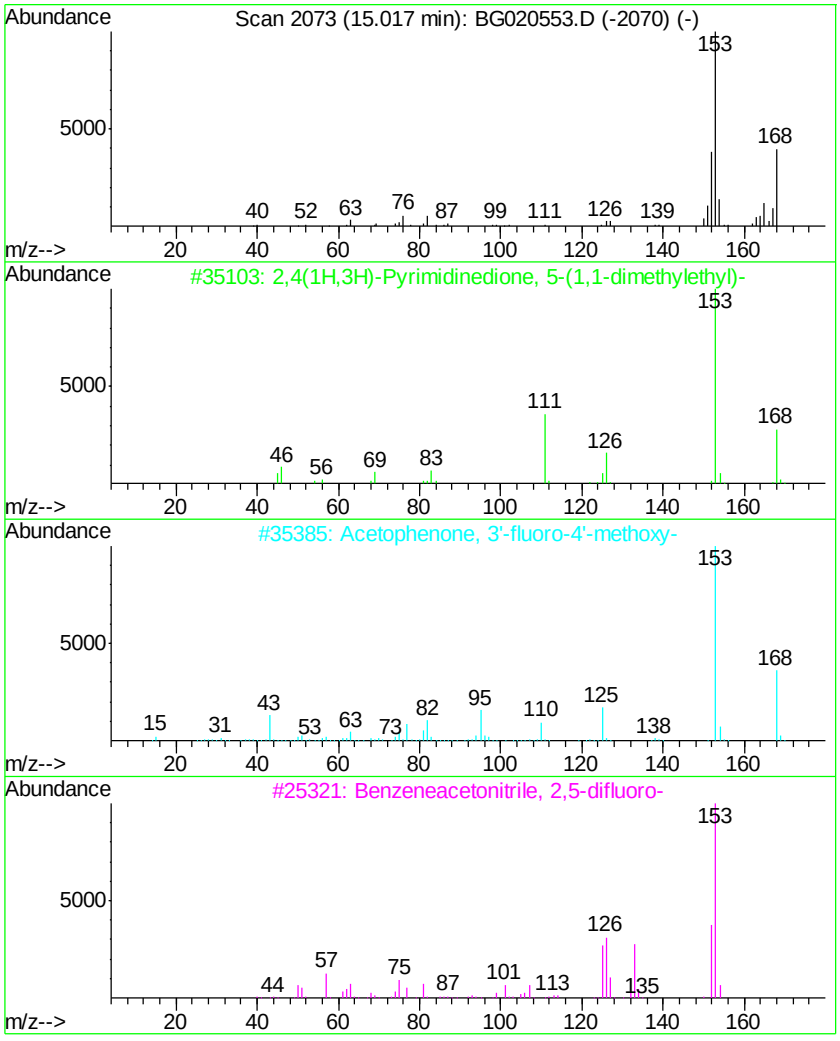
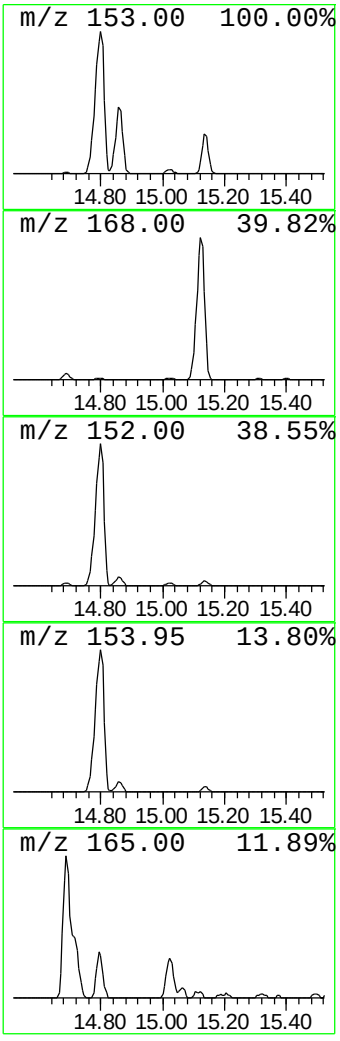
Peak Number 14 unknown-01 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	9.85 ng/ul	143768	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4(1H,3H)-Pyrimidinedione, 5-(1...	168	C8H12N2O2	017432-97-2	28
2	Acetophenone, 3'-fluoro-4'-methoxy-	168	C9H9FO2	000455-91-4	28
3	Benzeneacetonitrile, 2,5-difluoro-	153	C8H5F2N	069584-87-8	9
4	Benzeneacetonitrile, 2,6-difluoro-	153	C8H5F2N	000654-01-3	9
5	2(1H)-Pyridinethione, 1,4,6-trim...	153	C8H11NS	019006-70-3	9





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Sample : G4846-17
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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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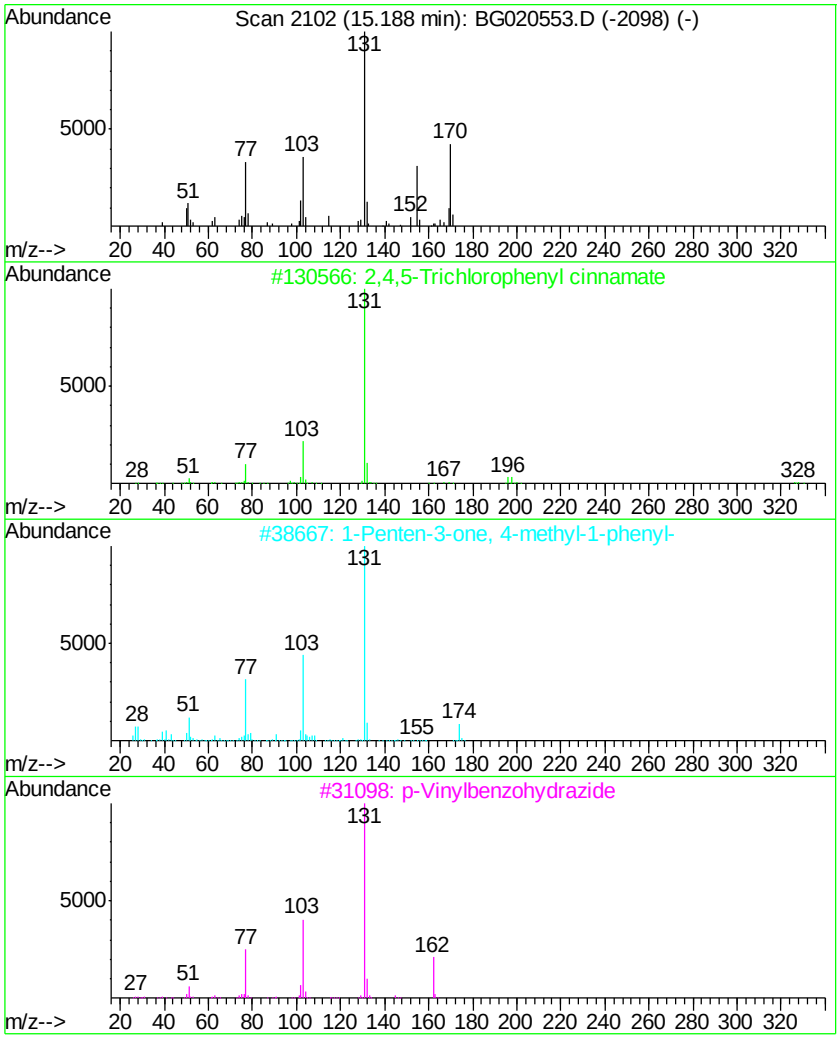
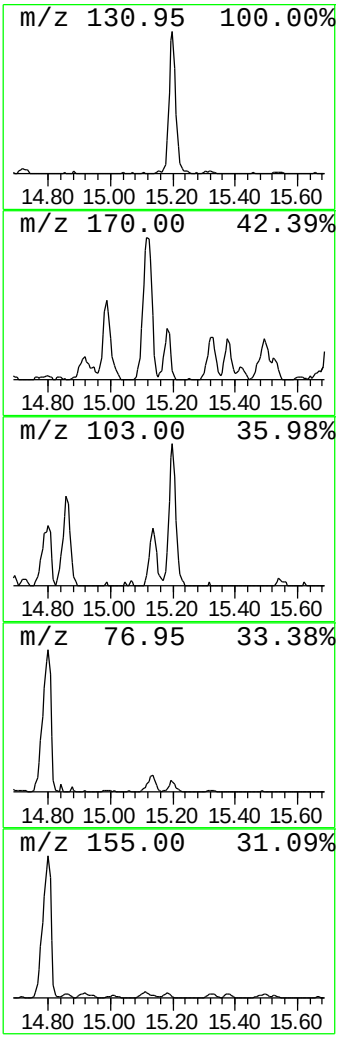
Peak Number 15 2,4,5-Trichlorophenyl cinna... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	7.05 ng/ul	102945	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,5-Trichlorophenyl cinnamate	326	C15H9Cl3O2	1000242-39-6	78
2	1-Penten-3-one, 4-methyl-1-phenyl-	174	C12H14O	003160-32-5	72
3	p-Vinylbenzohydrazide	162	C9H10N2O	1000244-74-9	72
4	Propanedioic acid, nitrile, hydr...	229	C12H11N3O2	294878-35-6	72
5	Vinyl trans-cinnamate	174	C11H10O2	017719-70-9	64





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Sample : G4846-17
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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Quant Title : SVOA CALIBRATION

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

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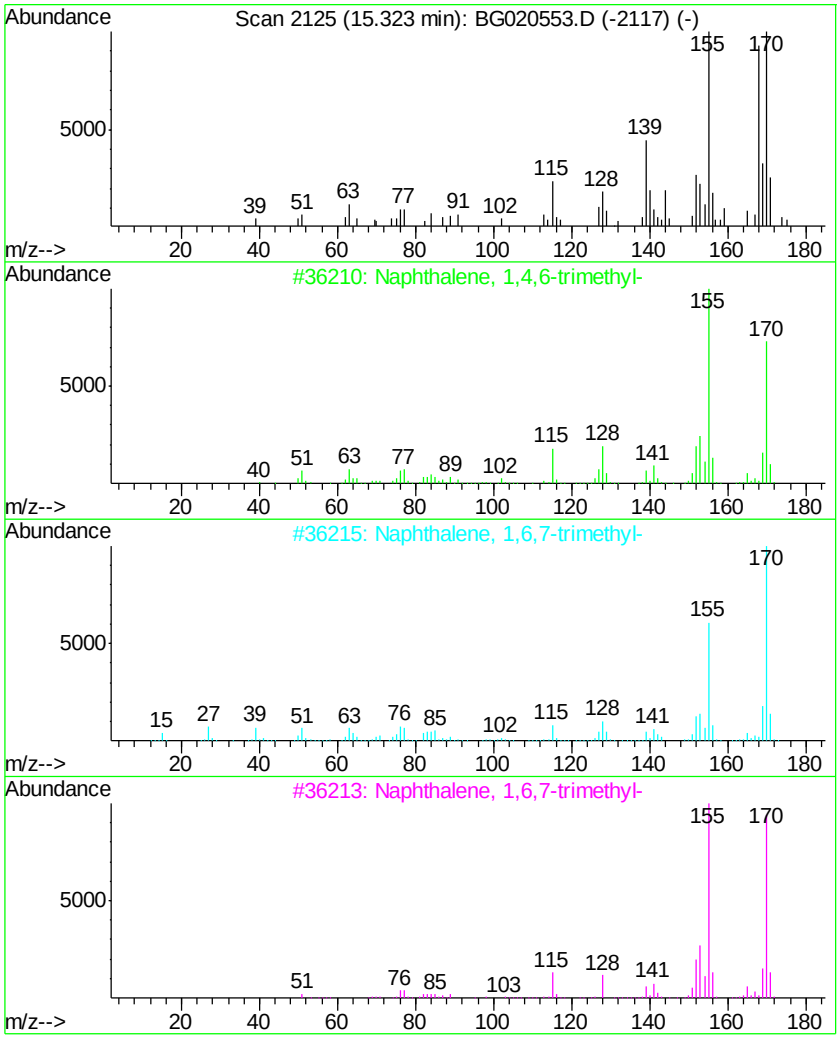
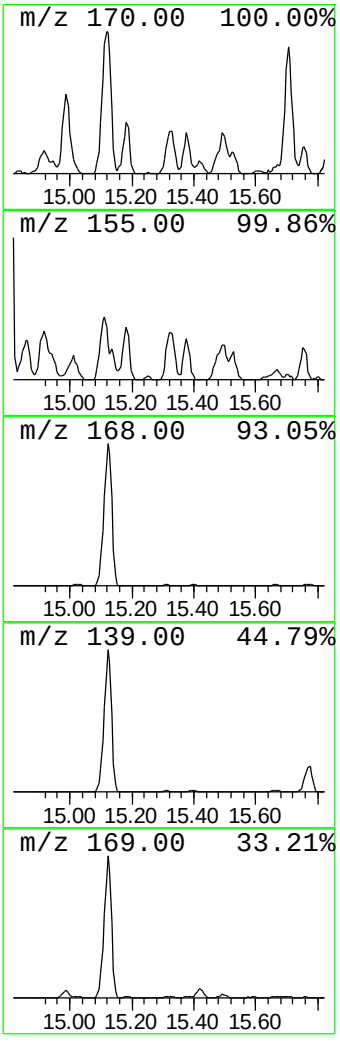
Peak Number 16 Naphthalene, 1,4,6-trimethyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	4.87 ng/ul	71181	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	84
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	46
4	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	46
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	46





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Sample : G4846-17
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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Quant Title : SVOA CALIBRATION

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

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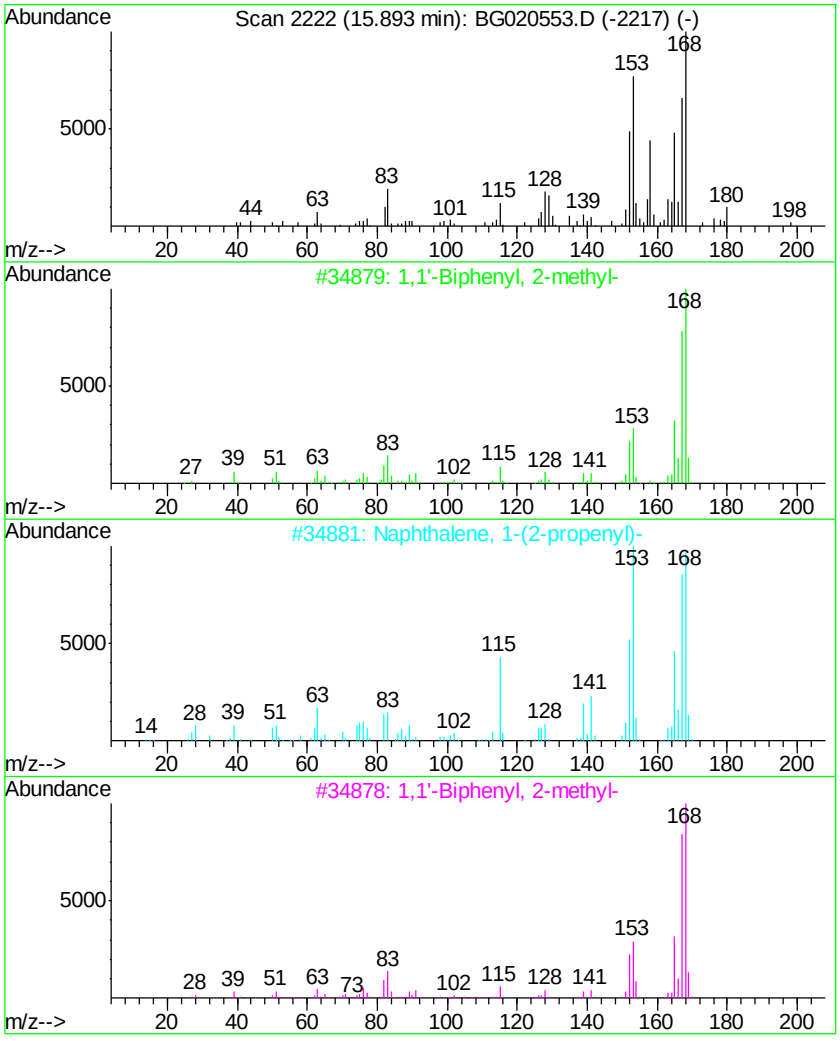
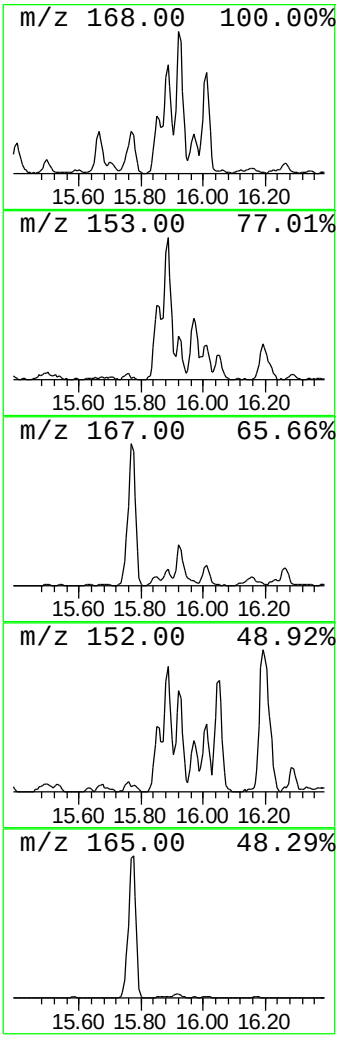
Peak Number 17 1,1'-Biphenyl, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.89	15.24 ng/ul	222556	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	68
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	50
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	50
4	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	49
5	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	49





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Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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Quant Title : SVOA CALIBRATION

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

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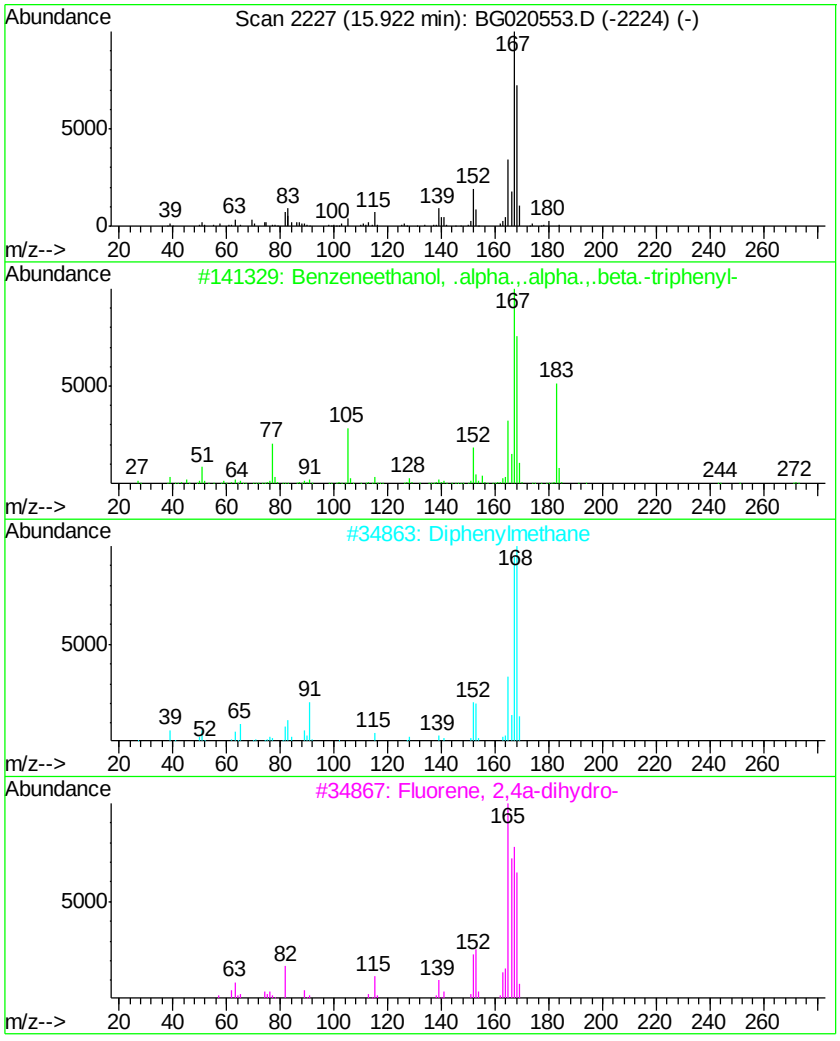
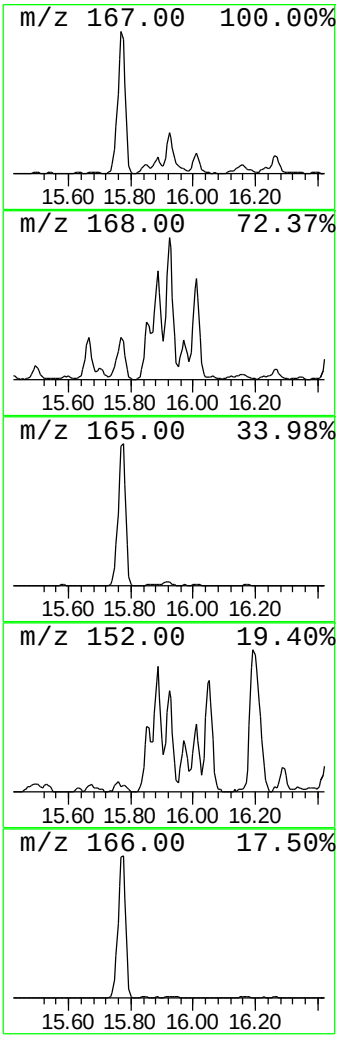
Peak Number 18 Benzeneethanol, .alpha.,.al... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	16.99 ng/ul	248030	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneethanol, .alpha.,.alpha.,...	350	C26H22O	000981-24-8	83
2	Diphenylmethane	168	C13H12	000101-81-5	74
3	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	72
4	Benzeneacetaldehyde, .alpha.-phe...	196	C14H12O	000947-91-1	64
5	1,1-Diphenyl-2-propanol	212	C15H16O	029338-49-6	53





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Instrument : BNA_G
ClientSampleId : D9N63

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Quant Title : SVOA CALIBRATION

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

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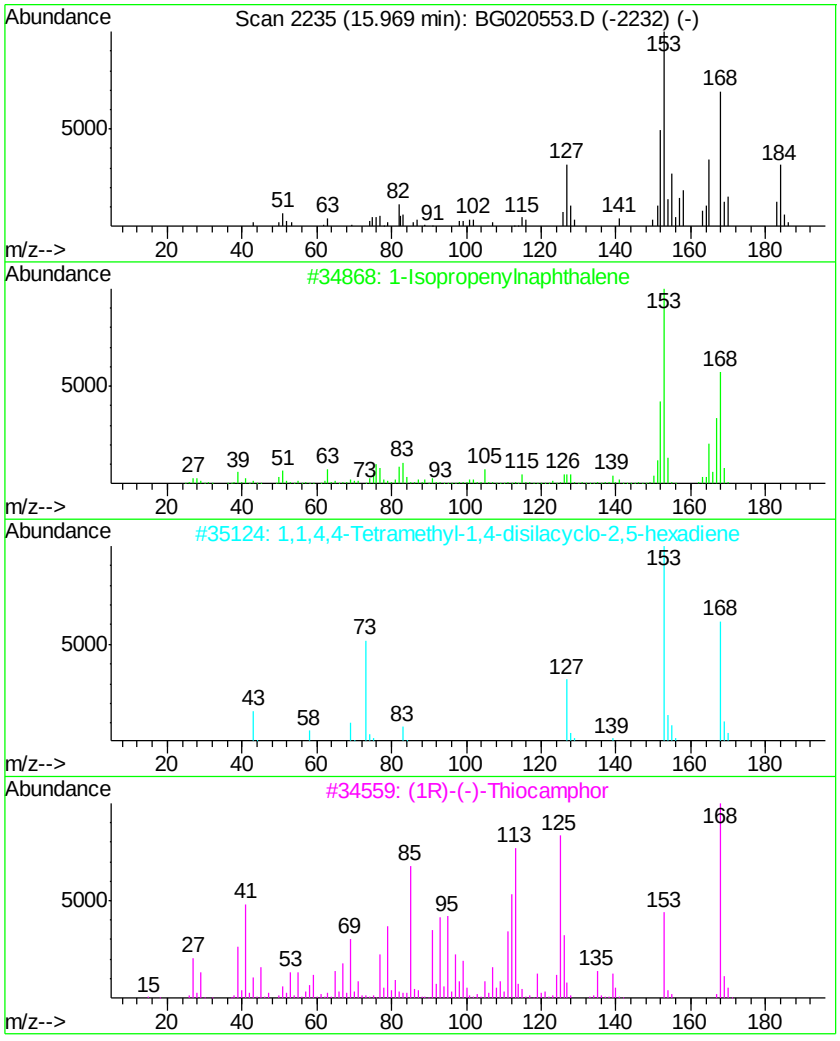
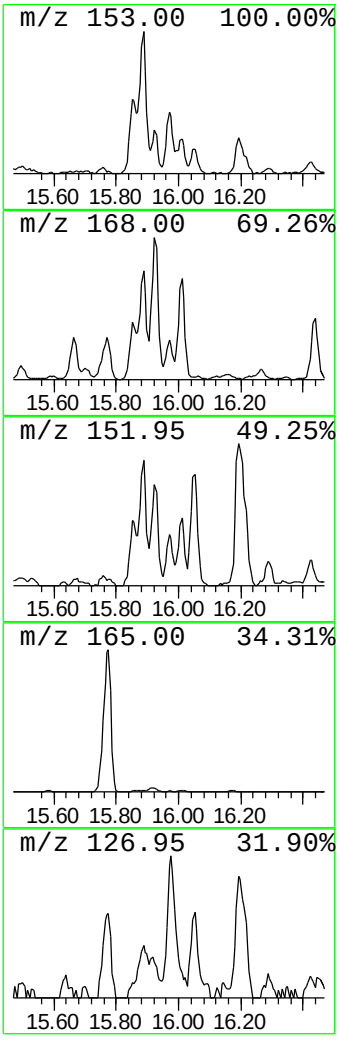
Peak Number 19 1-Isopropenylnaphthalene Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	6.29 ng/ul	91910	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	58
2	1,1,4,4-Tetramethyl-1,4-disilacy...	168	C8H16Si2	020627-53-6	49
3	(1R)-(-)-Thiocamphor	168	C10H16S	053402-10-1	45
4	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	43
5	5-Acetyl-2-methyl-3-thiophenecar...	168	C8H8O2S	090345-55-4	38





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

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

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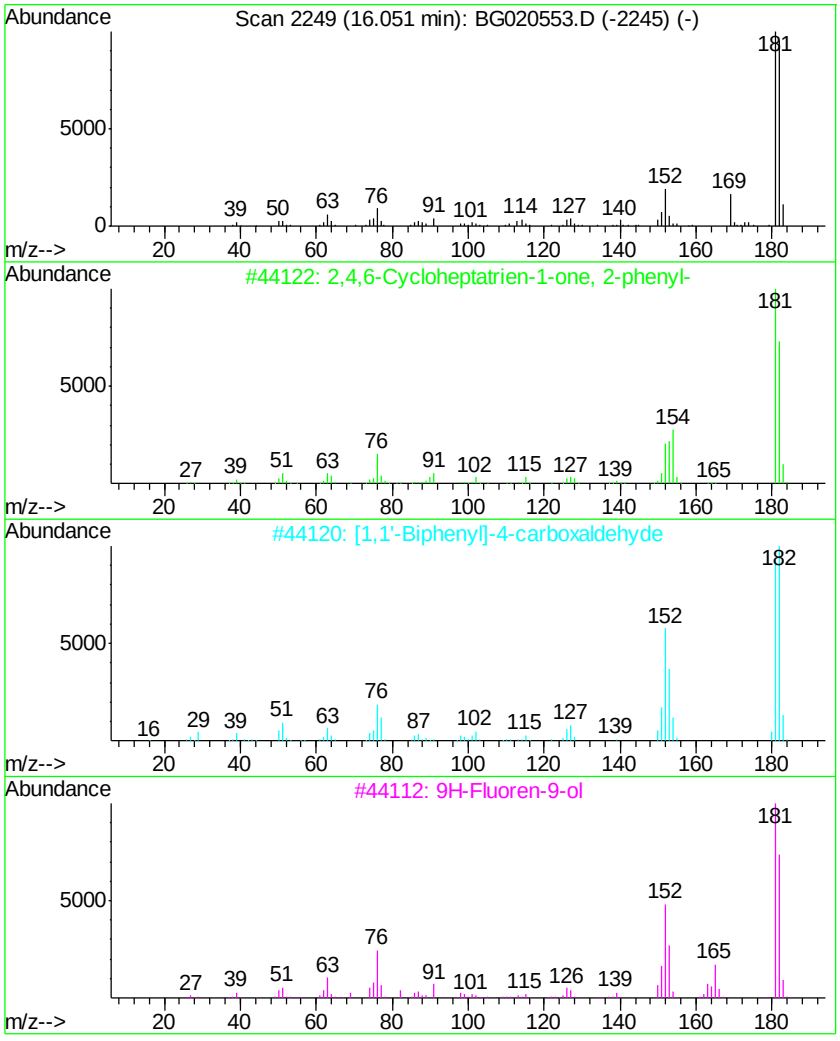
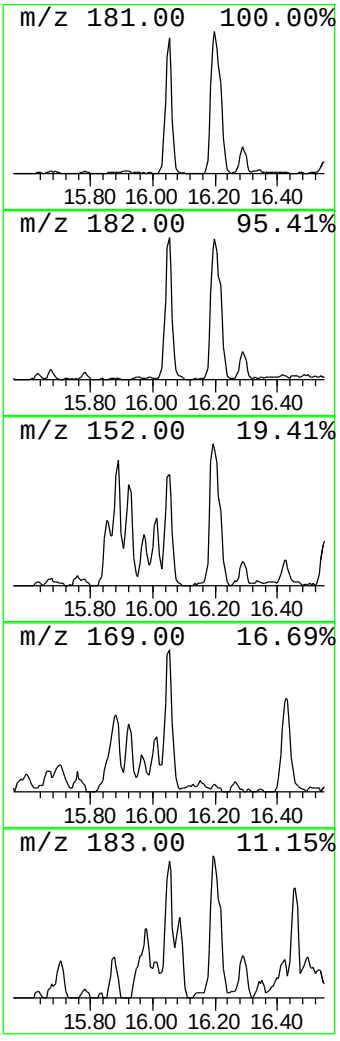
Peak Number 21 2,4,6-Cycloheptatrien-1-one... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	17.39 ng/ul	253882	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	80
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
5	Pyrido[2,3-d]indole, 6-methyl-	182	C12H10N2	108349-67-3	64





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Sample : G4846-17
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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Quant Title : SVOA CALIBRATION

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

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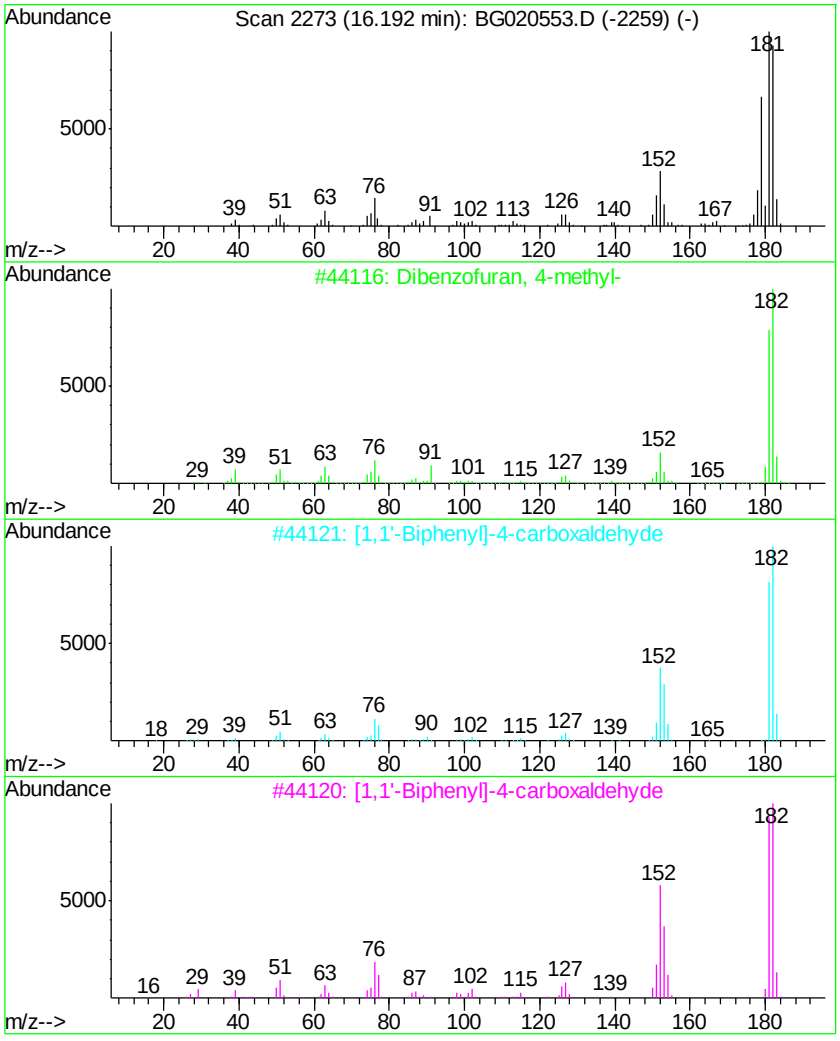
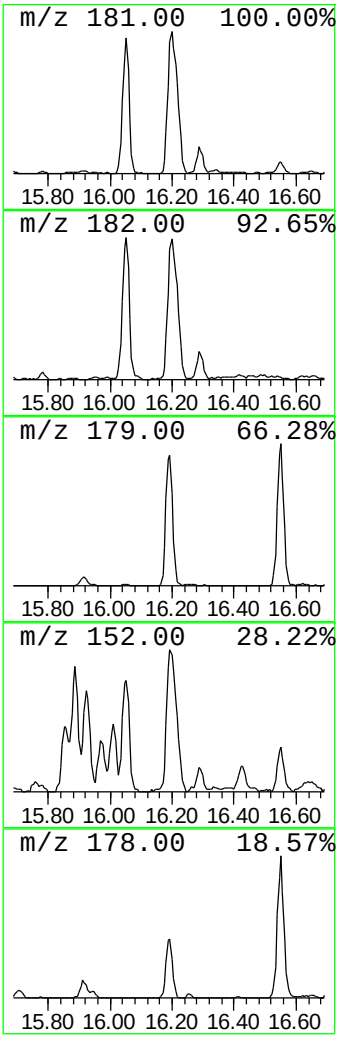
Peak Number 22 Dibenzofuran, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.19	21.31 ng/ul	524002	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	64
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	58
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	58
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	52





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Data File : BG020553.D
Acq On : 27 Dec 2015 13:19
Operator : UM/SJ
Sample : G4846-17
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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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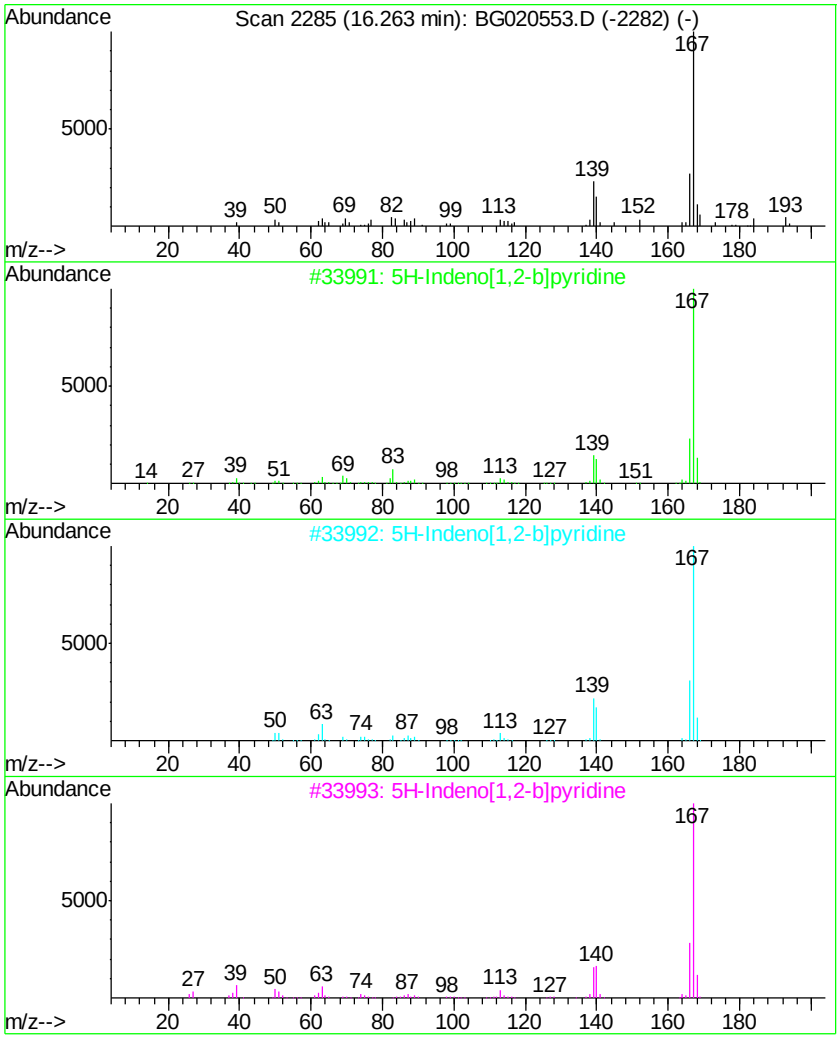
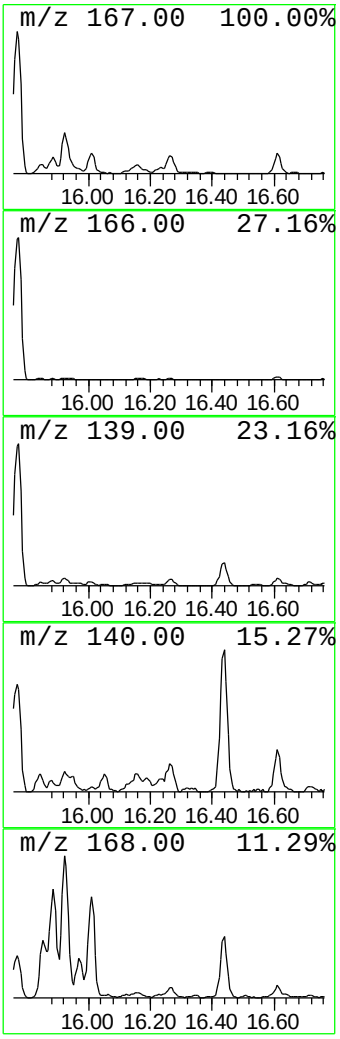
Peak Number 23 5H-Indeno[1,2-b]pyridine Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.26	4.03 ng/ul	99115	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	95
2	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	87
3	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	81
4	Carbazole	167	C12H9N	000086-74-8	81
5	Carbazole	167	C12H9N	000086-74-8	81





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Acq On : 27 Dec 2015 13:19
Operator : UM/SJ
Sample : G4846-17
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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

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

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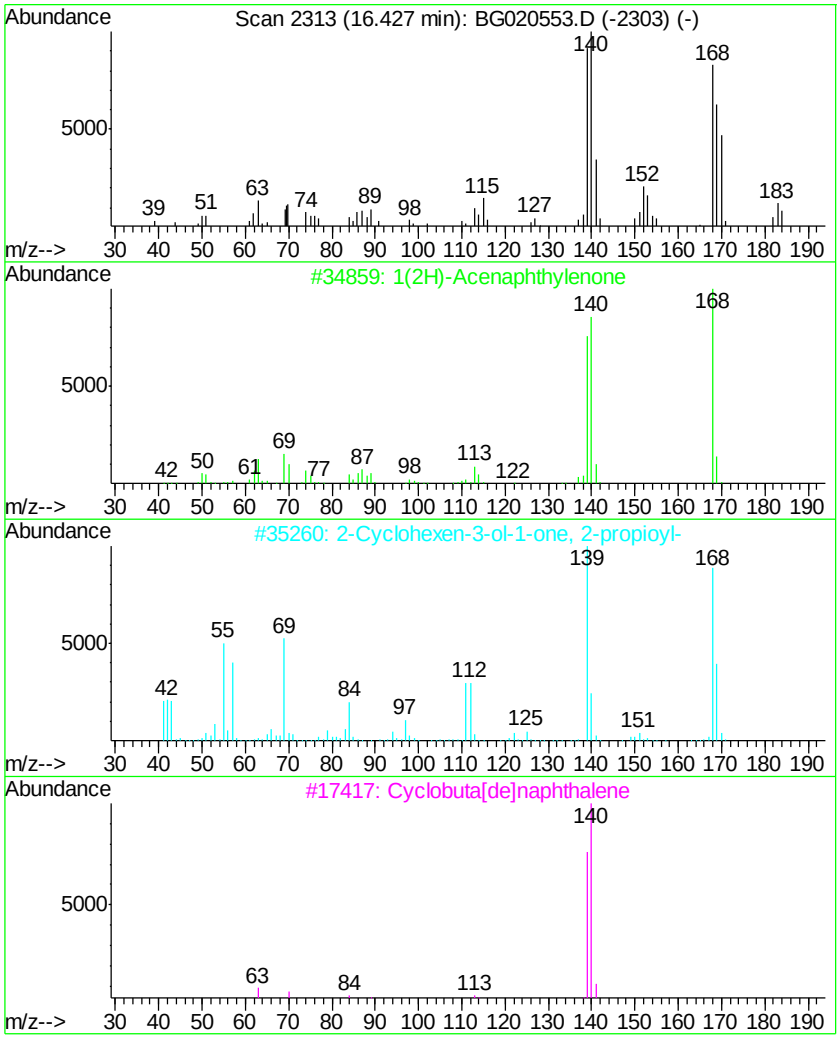
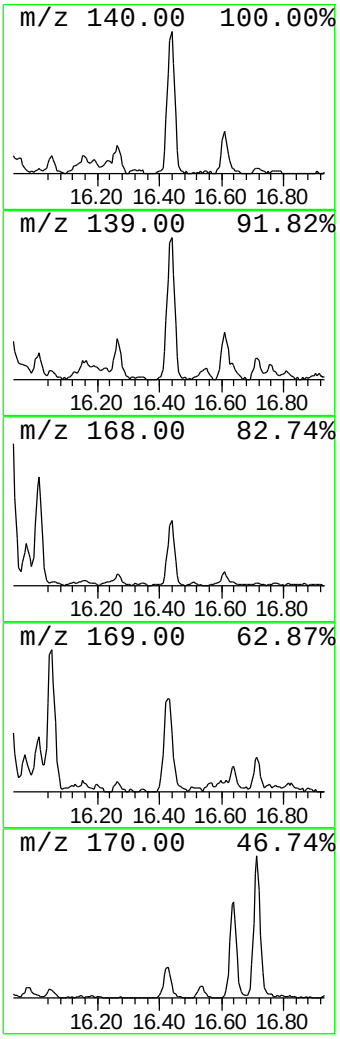
Peak Number 24 1(2H)-Acenaphthylenone Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	6.10 ng/ul	150006	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	94
2	2-Cyclohexen-3-ol-1-one, 2-propi...	168	C9H12O3	062847-90-9	50
3	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	43
4	9H-Pyrido[3,4-b]indole	168	C11H8N2	000244-63-3	43
5	Benzoic acid, 4-chloro-, methyl ...	170	C8H7ClO2	001126-46-1	27





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020553.D
Acq On : 27 Dec 2015 13:19
Operator : UM/SJ
Sample : G4846-17
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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

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

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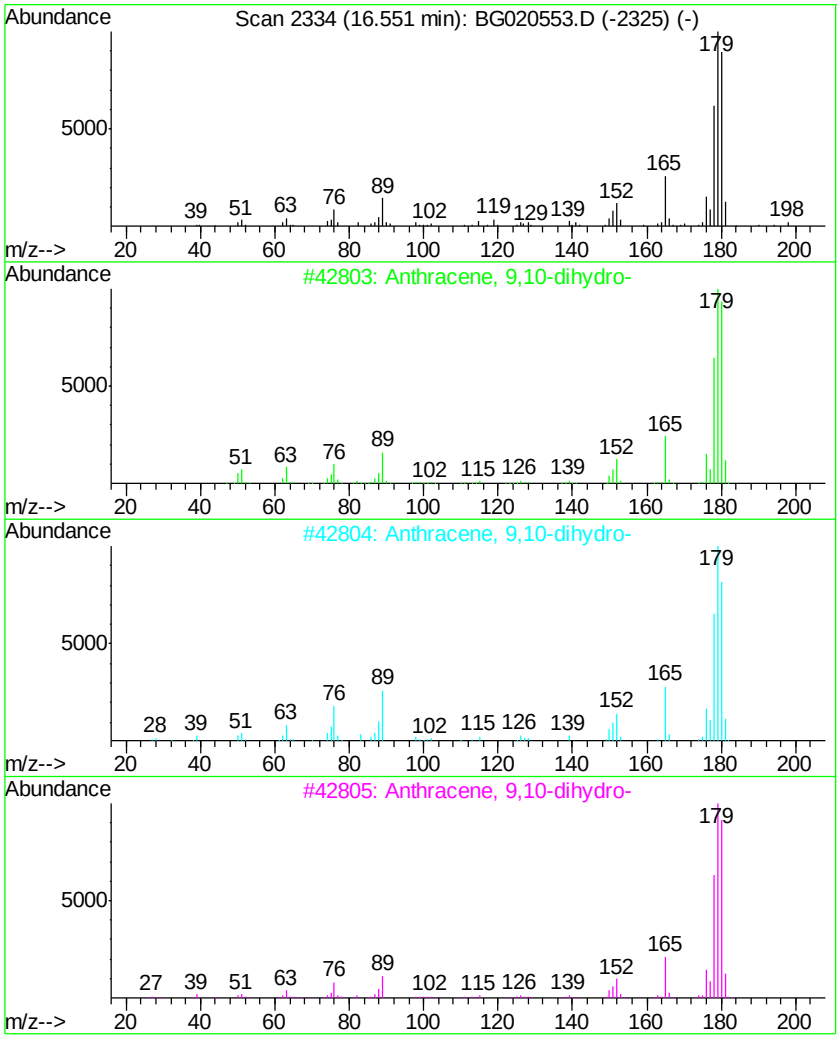
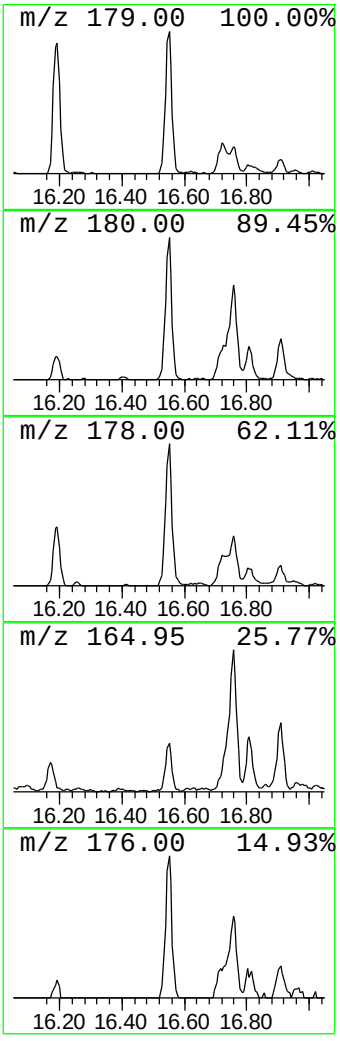
Peak Number 25 Anthracene, 9,10-dihydro- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.55	8.35 ng/ul	205322	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
2	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
3	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
4	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	91
5	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	83





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Acq On : 27 Dec 2015 13:19
Operator : UM/SJ
Sample : G4846-17
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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

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

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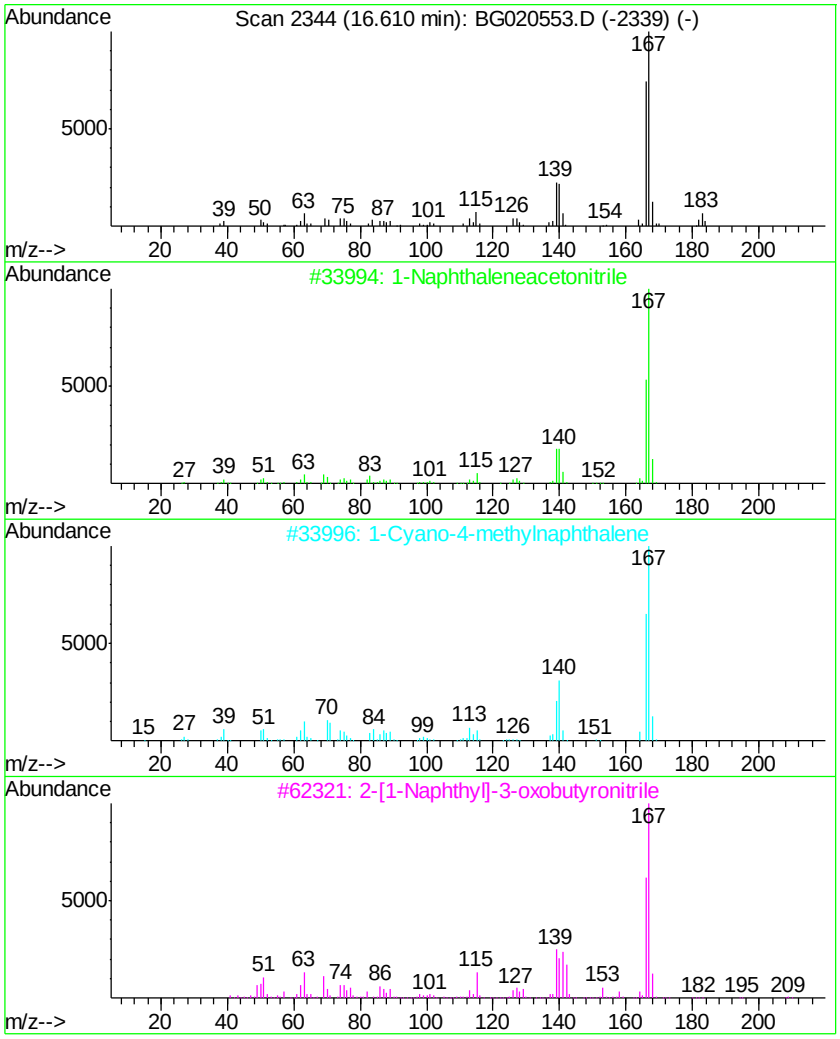
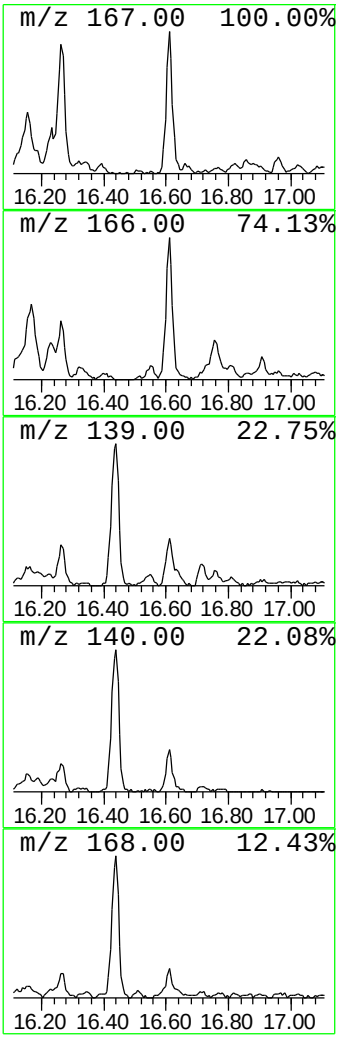
Peak Number 26 1-Naphthaleneacetonitrile Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.61	3.63 ng/ul	89317	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthaleneacetonitrile	167	C12H9N	000132-75-2	93
2	1-Cyano-4-methylnaphthalene	167	C12H9N	036062-93-8	90
3	2-[1-Naphthyl]-3-oxobutyronitrile	209	C14H11NO	031573-38-3	64
4	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	64
5	1-Naphthaleneacetonitrile	167	C12H9N	000132-75-2	64





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Acq On : 27 Dec 2015 13:19
Operator : UM/SJ
Sample : G4846-17
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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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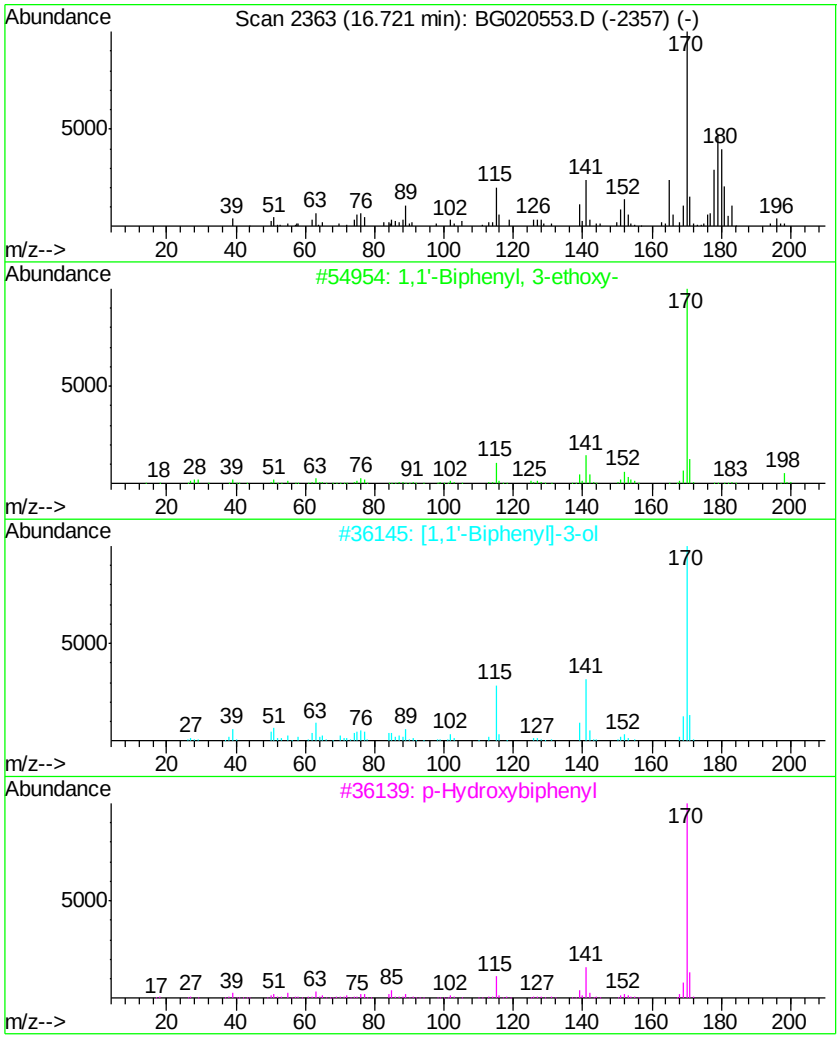
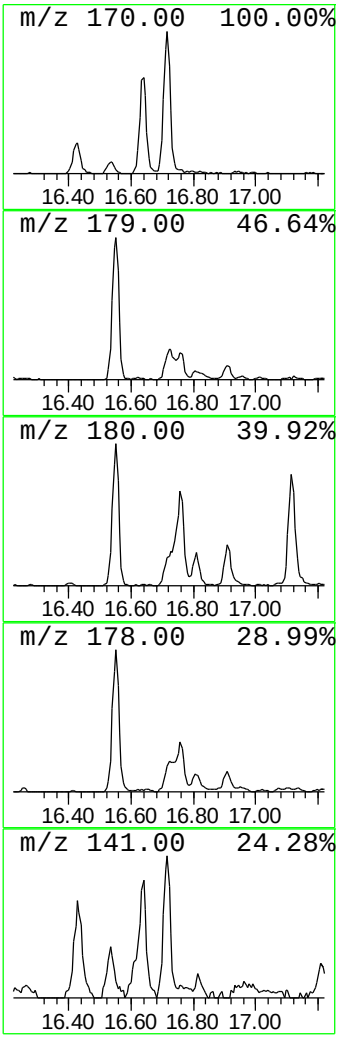
Peak Number 27 1,1'-Biphenyl, 3-ethoxy- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.72	7.19 ng/ul	176790	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3-ethoxy-	198	C14H14O	054852-73-2	91
2	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	78
3	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	60
4	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	60
5	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	53





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Acq On : 27 Dec 2015 13:19
Operator : UM/SJ
Sample : G4846-17
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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

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

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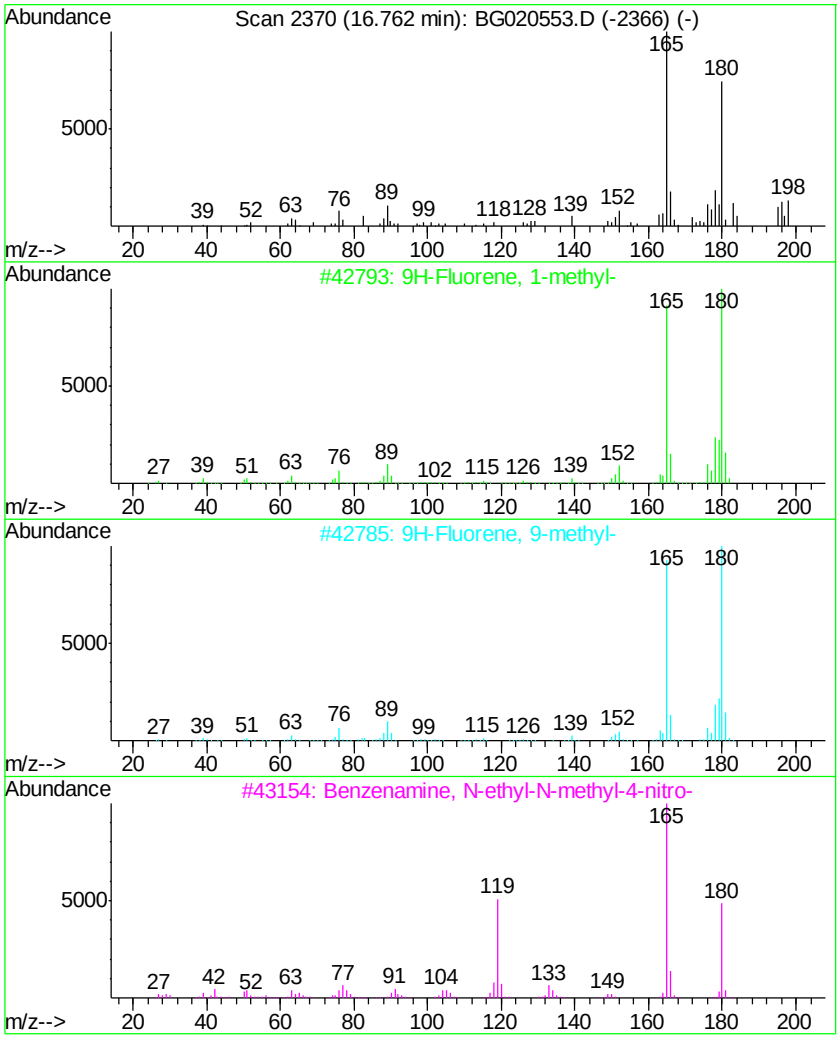
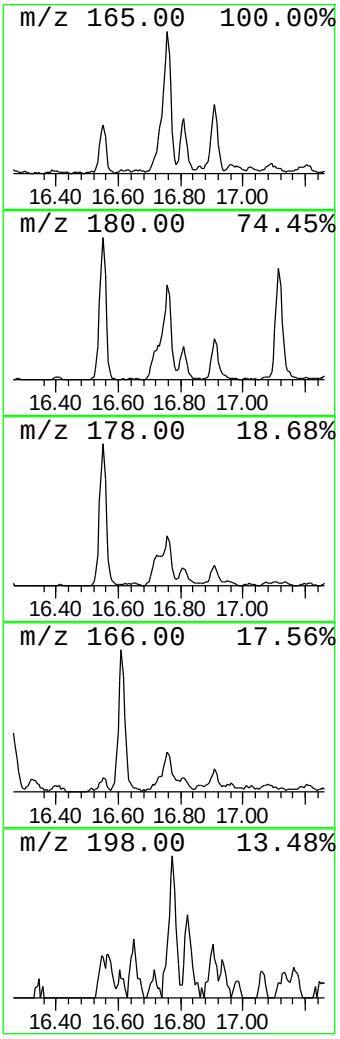
Peak Number 28 9H-Fluorene, 1-methyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	6.82 ng/ul	167723	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	58
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	58
3	Benzenamine, N-ethyl-N-methyl-4-...	180	C9H12N2O2	056269-48-8	53
4	(E)-Stilbene	180	C14H12	000103-30-0	53
5	Phenanthrene, 1,2-dihydro-	180	C14H12	056179-83-0	53





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020553.D
Acq On : 27 Dec 2015 13:19
Operator : UM/SJ
Sample : G4846-17
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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

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

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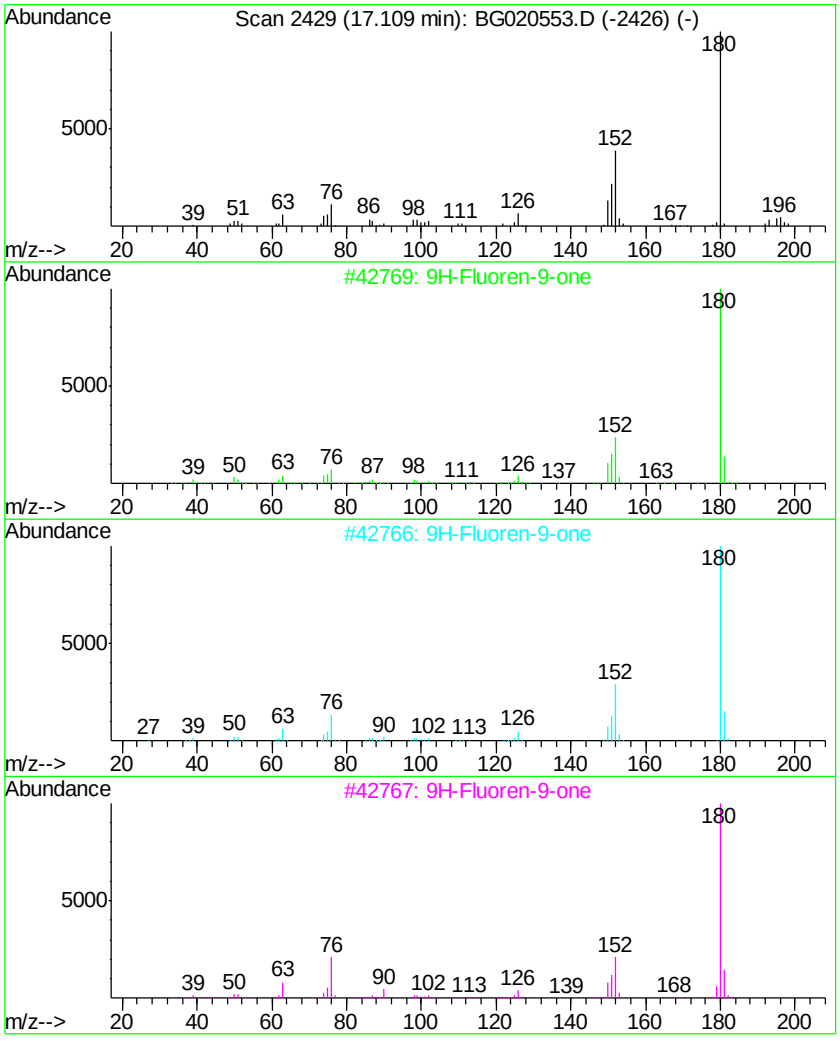
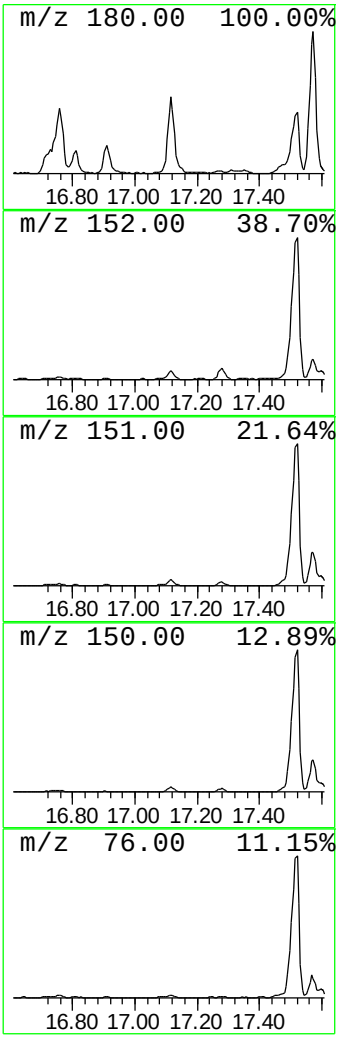
Peak Number 30 9H-Fluoren-9-one Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.11	4.36 ng/ul	107234	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020553.D
Acq On : 27 Dec 2015 13:19
Operator : UM/SJ
Sample : G4846-17
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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
Indane	8.45	33.0	ng/ul	191811	1	8.08	116220	20.0
Indene	8.62	184.4	ng/ul	1071340	1	8.08	116220	20.0
Naphthalene, 1-me...	12.78	3.3	ng/ul	3213020	2	10.91	19795100	20.0
Quinoline, 7-methyl-	13.18	5.5	ng/ul	79846	3	14.72	292034	20.0
Naphthalene, 1-et...	13.74	25.0	ng/ul	365240	3	14.72	292034	20.0
Naphthalene, 2,6-...	13.88	20.9	ng/ul	304730	3	14.72	292034	20.0
Naphthalene, 2,3-...	14.27	13.0	ng/ul	190275	3	14.72	292034	20.0
1-Naphthalenecarb...	14.86	111.3	ng/ul	1624980	3	14.72	292034	20.0
o-Hydroxybiphenyl	14.99	4.7	ng/ul	68107	3	14.72	292034	20.0
unknown-01	15.02	9.8	ng/ul	143768	3	14.72	292034	20.0
2,4,5-Trichloroph...	15.19	7.0	ng/ul	102945	3	14.72	292034	20.0
Naphthalene, 1,4,...	15.32	4.9	ng/ul	71181	3	14.72	292034	20.0
1,1'-Biphenyl, 2-...	15.89	15.2	ng/ul	222556	3	14.72	292034	20.0
Benzeneethanol, ...	15.92	17.0	ng/ul	248030	3	14.72	292034	20.0
1-Isopropenylnaph...	15.97	6.3	ng/ul	91910	3	14.72	292034	20.0
2,4,6-Cycloheptat...	16.05	17.4	ng/ul	253882	3	14.72	292034	20.0
Dibenzofuran, 4-m...	16.19	21.3	ng/ul	524002	4	17.46	491891	20.0
5H-Indeno[1,2-b]p...	16.26	4.0	ng/ul	99115	4	17.46	491891	20.0
1(2H)-Acenaphthyl...	16.43	6.1	ng/ul	150006	4	17.46	491891	20.0
Anthracene, 9,10-...	16.55	8.3	ng/ul	205322	4	17.46	491891	20.0
1-Naphthaleneacet...	16.61	3.6	ng/ul	89317	4	17.46	491891	20.0
1,1'-Biphenyl, 3-...	16.72	7.2	ng/ul	176790	4	17.46	491891	20.0
9H-Fluorene, 1-me...	16.76	6.8	ng/ul	167723	4	17.46	491891	20.0
9H-Fluoren-9-one	17.11	4.4	ng/ul	107234	4	17.46	491891	20.0