LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020607.D
Acq On : 30 Dec 2015 13:57
Operator : UM/SJ
Sample : G4846-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54

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-BG123015.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	7.547	795	801	805	rVV	106103	185517	0.61%	0.156%
2	7.699	821	827	834	rVV2	129175	229169	0.75%	0.193%
3	7.782	834	841	852	rVB	154428	268329	0.88%	0.226%
4	8.434	944	952	959	rBV	430843	744072	2.45%	0.627%
5	8.610	973	982	991	rVV	1684334	3027178	9.96%	2.549%
6	8.916	1026	1034	1044	rVB2	118967	244196	0.80%	0.206%
7	9.239	1082	1089	1095	rVV2	107504	234045	0.77%	0.197%
8	9.544	1134	1141	1148	rVV	192418	473649	1.56%	0.399%
9	9.961	1205	1212	1220	rBV	76143	156292	0.51%	0.132%
10	10.050	1220	1227	1231	rBV3	128312	284030	0.93%	0.239%
11	10.302	1253	1270	1277	rBV5	185685	652846	2.15%	0.550%
12	10.379	1277	1283	1296	rVB2	225051	534759	1.76%	0.450%
13	10.508	1296	1305	1315	rBV3	166881	410183	1.35%	0.345%
14	11.019	1369	1392	1396	rVV	6941091	30397578	100.00%	25.597%
15	11.089	1396	1404	1414	rVV	1287504	2163672	7.12%	1.822%
16	11.630	1488	1496	1503	rBV5	73755	144396	0.48%	0.122%
17	11.706	1503	1509	1519	rVB2	164780	290662	0.96%	0.245%
18	11.953	1546	1551	1556	rBV	82273	141459	0.47%	0.119%
19	12.270	1599	1605	1611	rVB2	97050	174002	0.57%	0.147%
20	12.382	1615	1624	1628	rBV	176902	335484	1.10%	0.283%
21	12.429	1628	1632	1637	rVB	111813	168762	0.56%	0.142%
22	12.552	1642	1653	1659	rVV	3297105	6579482	21.64%	5.540%
23	12.652	1662	1670	1677	rVV3	160900	387091	1.27%	0.326%
24	12.764	1677	1689	1698	rVV	2156028	4052891	13.33%	3.413%
25	12.911	1706	1714	1724	rVV3	71775	216001	0.71%	0.182%
26	13.169	1753	1758	1767	rVV5	113910	296480	0.98%	0.250%
27	13.534	1808	1820	1829	rVV	1036843	1840047	6.05%	1.549%
28	13.639	1829	1838	1843	rVV	116523	237586	0.78%	0.200%
29	13.728	1847	1853	1865	rVB2	188245	441238	1.45%	0.372%
30	13.874	1865	1878	1885	rBV3	242306	774953	2.55%	0.653%
31	14.015	1896	1902	1907	rVV	369506	712971	2.35%	0.600%
32	14.074	1907	1912	1914	rVV	232344	379266	1.25%	0.319%
33	14.104	1914	1917	1923	rVV	260208	378315	1.24%	0.319%
34	14.256	1937	1943	1946	rBV	148270	245497	0.81%	0.207%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020607.D
Acq On : 30 Dec 2015 13:57
Operator : UM/SJ
Sample : G4846-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54

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-BG123015.M
Title : SVOA CALIBRATION

35	14.397	1959	1967	1968	rBV	304498	500610	1.65%	0.422%
36	14.421	1968	1971	1978	rVB2	442512	694958	2.29%	0.585%
37	14.673	2004	2014	2016	rBV2	200555	378096	1.24%	0.318%
38	14.785	2024	2033	2038	rBV	3893321	7412035	24.38%	6.242%
39	14.850	2038	2044	2048	rVV	1149982	1915525	6.30%	1.613%
40	14.891	2048	2051	2060	rVB2	141820	249433	0.82%	0.210%
41	14.979	2060	2066	2076	rBV3	469599	1127567	3.71%	0.950%
42	15.114	2081	2089	2096	rVV2	2539413	5100003	16.78%	4.295%
43	15.690	2182	2187	2191	rVV	390494	629812	2.07%	0.530%
44	15.760	2191	2199	2204	rVV	2484253	4346292	14.30%	3.660%
45	15.825	2204	2210	2213	rVV4	154712	299835	0.99%	0.252%
46	15.878	2213	2219	2228	rVV5	426260	1312026	4.32%	1.105%
47	15.960	2228	2233	2242	rVV5	280484	937130	3.08%	0.789%
48	16.037	2242	2246	2256	rVV2	193615	345073	1.14%	0.291%
49	16.119	2256	2260	2263	rVV	105041	172284	0.57%	0.145%
50	16.178	2263	2270	2282	rVB5	271240	723934	2.38%	0.610%
51	16.424	2306	2312	2321	rVB4	82920	185590	0.61%	0.156%
52	16.536	2325	2331	2337	rBV	200698	315014	1.04%	0.265%
53	16.624	2337	2346	2353	rVV2	351329	639540	2.10%	0.539%
54	16.701	2353	2359	2363	rVV	462723	742449	2.44%	0.625%
55	16.742	2363	2366	2371	rVV2	157154	276959	0.91%	0.233%
56	16.795	2371	2375	2387	rVV2	140253	311962	1.03%	0.263%
57	16.947	2394	2401	2409	rVV6	70681	243695	0.80%	0.205%
58	17.106	2423	2428	2435	rVB2	89585	142690	0.47%	0.120%
59	17.229	2444	2449	2452	rVV	276035	448318	1.47%	0.378%
60	17.265	2452	2455	2462	rVV	325877	450174	1.48%	0.379%
61	17.335	2462	2467	2469	rVV	126052	185359	0.61%	0.156%
62	17.388	2473	2476	2480	rVV	201874	302214	0.99%	0.254%
63	17.441	2480	2485	2488	rVV3	278520	599298	1.97%	0.505%
64	17.500	2488	2495	2500	rVV	3281186	5861187	19.28%	4.936%
65	17.552	2500	2504	2507	rVV	704837	1123130	3.69%	0.946%
66	17.582	2507	2509	2513	rVV	321893	395545	1.30%	0.333%
67	17.623	2513	2516	2525	rVB3	100217	221155	0.73%	0.186%
68	17.823	2544	2550	2551	rVV2	278285	438848	1.44%	0.370%
69	17.876	2551	2559	2565	rVV	3011139	6099155	20.06%	5.136%
70	17.946	2565	2571	2577	rVV3	519599	1056303	3.47%	0.889%
71	18.011	2577	2582	2589	rVB	730398	1110681	3.65%	0.935%

LSC Area Percent Report

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Data File : BG020607.D
Acq On : 30 Dec 2015 13:57
Operator : UM/SJ
Sample : G4846-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54

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-BG123015.M
Title : SVOA CALIBRATION

72	18.087	2589	2595	2601	rBV3	222544	520640	1.71%	0.438%
73	18.140	2601	2604	2608	rVB	128717	158390	0.52%	0.133%
74	18.199	2608	2614	2618	rBV2	123383	201569	0.66%	0.170%
75	18.287	2623	2629	2632	rVV	372107	567114	1.87%	0.478%
76	18.369	2638	2643	2650	rVV2	841254	1411134	4.64%	1.188%
77	18.440	2650	2655	2662	rVV	483568	783808	2.58%	0.660%
78	18.516	2662	2668	2677	rVB4	320468	611969	2.01%	0.515%
79	18.598	2677	2682	2683	rBV	257821	358416	1.18%	0.302%
80	18.622	2683	2686	2690	rVV	292363	508169	1.67%	0.428%
81	18.663	2690	2693	2696	rVV	254067	366714	1.21%	0.309%
82	18.698	2696	2699	2703	rVV	140907	213621	0.70%	0.180%
83	18.757	2704	2709	2714	rVV2	372391	608993	2.00%	0.513%
84	18.810	2714	2718	2722	rVB2	252631	355176	1.17%	0.299%
85	18.863	2722	2727	2730	rBV3	118259	175317	0.58%	0.148%
86	18.892	2730	2732	2743	rVB4	94229	156423	0.51%	0.132%
87	19.021	2750	2754	2758	rBV2	101867	147384	0.48%	0.124%
88	19.121	2767	2771	2776	rVV4	97099	184251	0.61%	0.155%
89	19.491	2828	2834	2840	rVB	548927	805121	2.65%	0.678%
90	19.691	2861	2868	2873	rBV4	82933	174862	0.58%	0.147%
91	19.826	2884	2891	2894	rVV	574520	971068	3.19%	0.818%
92	19.856	2894	2896	2905	rVB2	453300	645025	2.12%	0.543%
93	20.232	2955	2960	2966	rVB	259677	366505	1.21%	0.309%
94	20.320	2966	2975	2984	rBV	478754	938613	3.09%	0.790%
95	20.913	3071	3076	3080	rBV	87479	151582	0.50%	0.128%
96	20.966	3080	3085	3093	rVB	162715	270041	0.89%	0.227%
97	21.712	3205	3212	3218	rVV2	352144	607763	2.00%	0.512%
98	22.359	3314	3322	3329	rBV	77443	158389	0.52%	0.133%
99	24.744	3717	3728	3740	rBV	281866	756543	2.49%	0.637%
100	24.967	3753	3766	3778	rBV2	159802	482330	1.59%	0.406%

Sum of corrected areas: 118752907

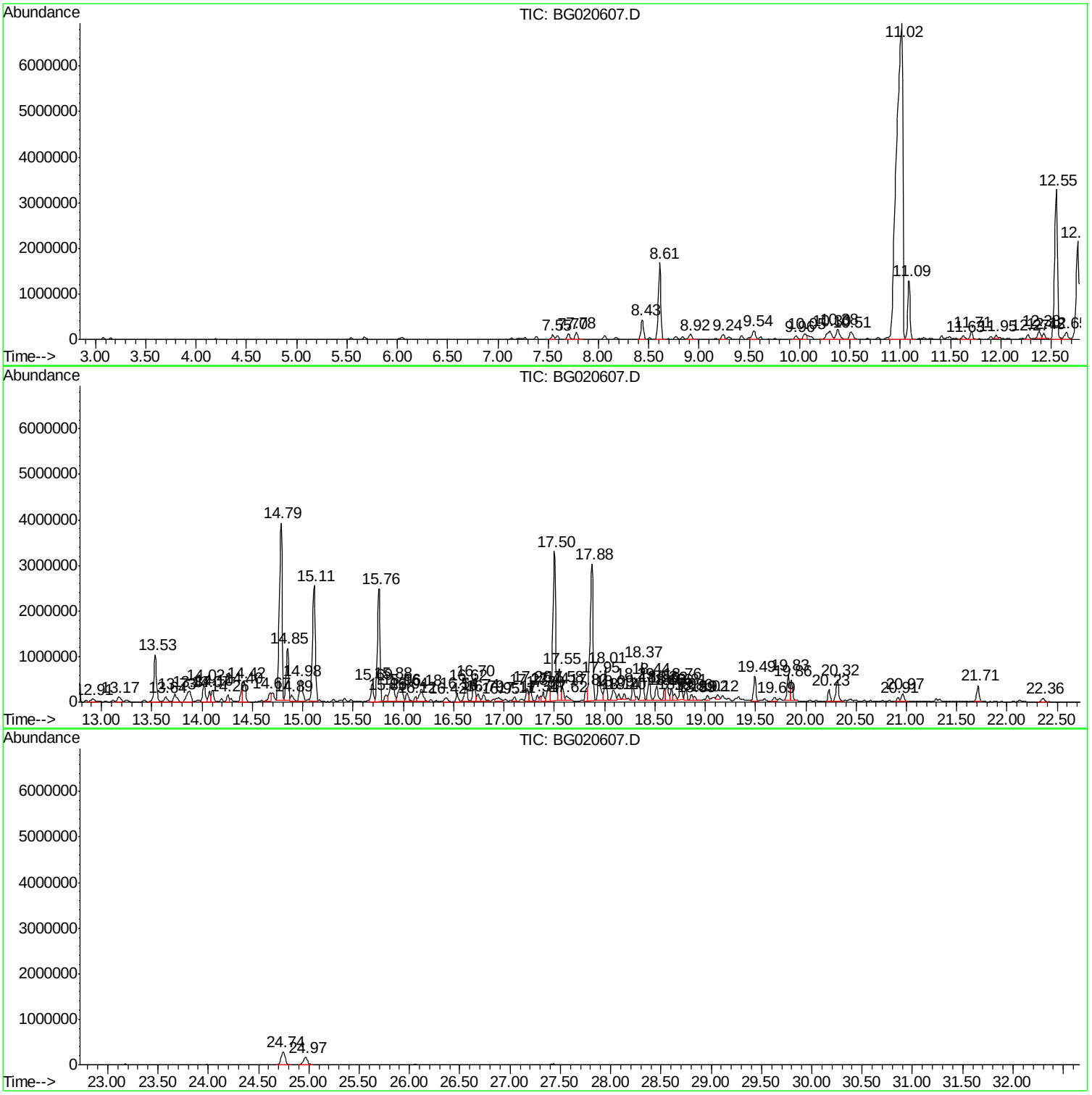
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020607.D
Acq On : 30 Dec 2015 13:57
Operator : UM/SJ
Sample : G4846-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.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\BG123015\
Data File : BG020607.D
Acq On : 30 Dec 2015 13:57
Operator : UM/SJ
Sample : G4846-08
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Instrument : BNA_G
ClientSampleId : D9N54

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

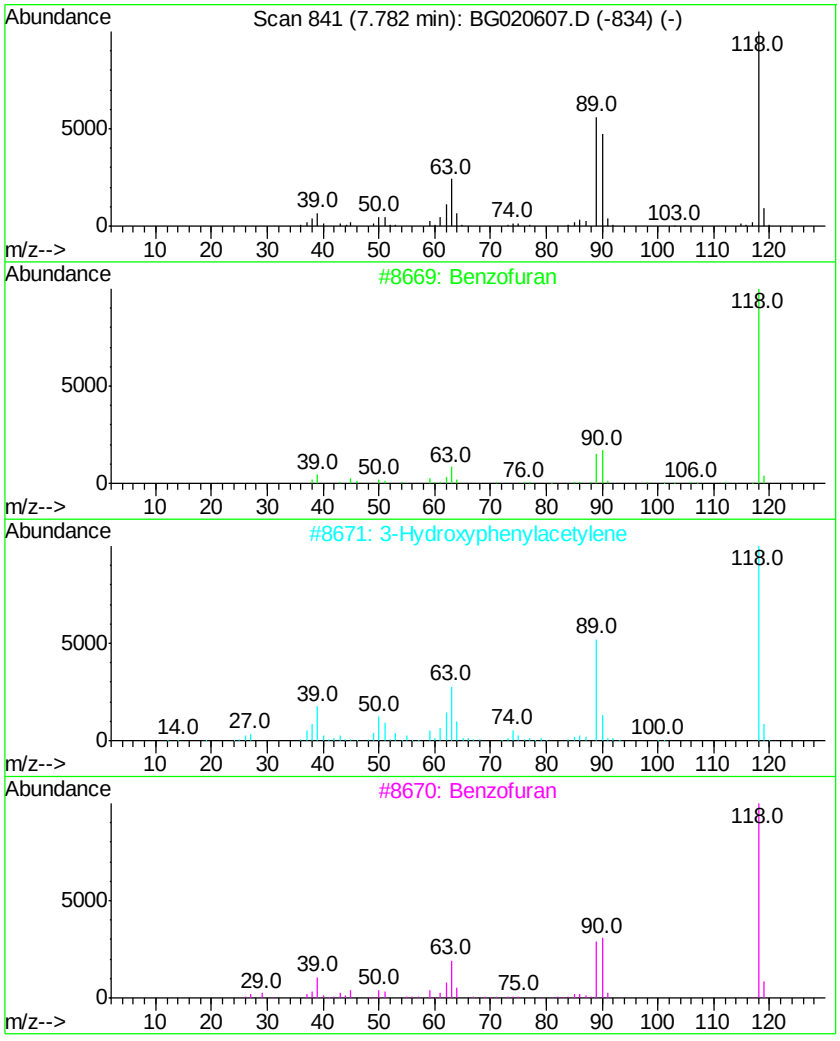
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

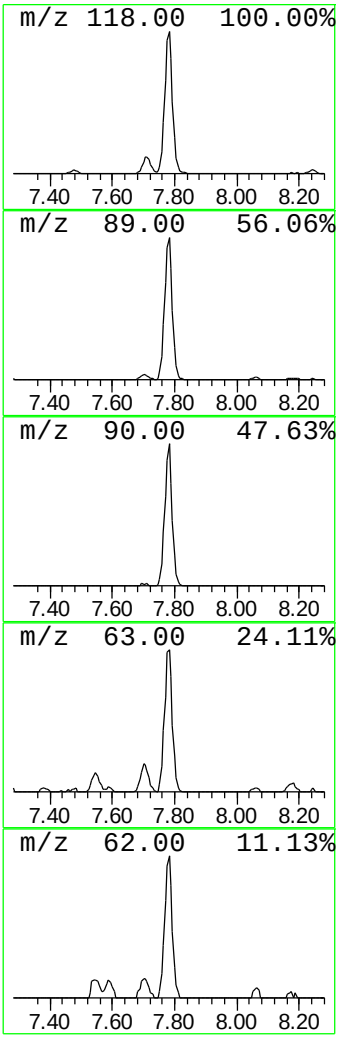
****

Peak Number 2 Benzofuran Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.78	20.00 ng/ul	268329	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran	118	C8H6O	000271-89-6	90
2	3-Hydroxyphenylacetylene	118	C8H6O	010401-11-3	87
3	Benzofuran	118	C8H6O	000271-89-6	81
4	Benzofuran	118	C8H6O	000271-89-6	80
5	2H-Cyclopenta[d]pyridazine	118	C7H6N2	000270-64-4	58





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020607.D
Acq On : 30 Dec 2015 13:57
Operator : UM/SJ
Sample : G4846-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

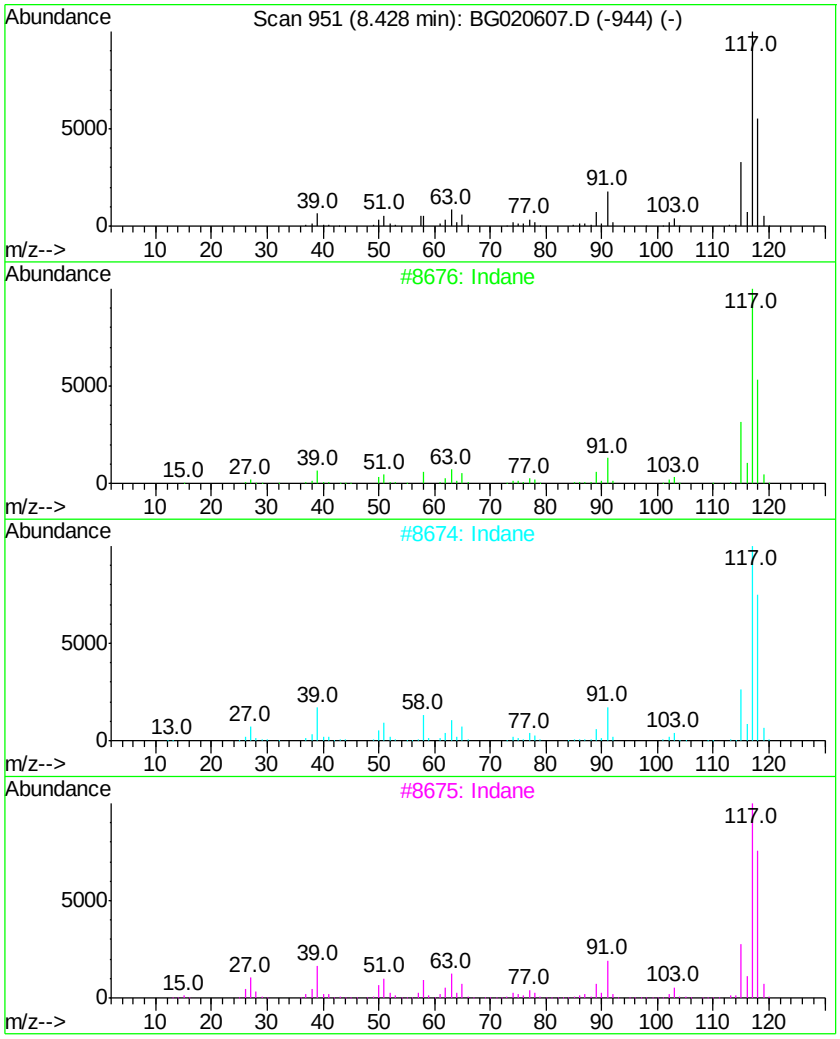
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

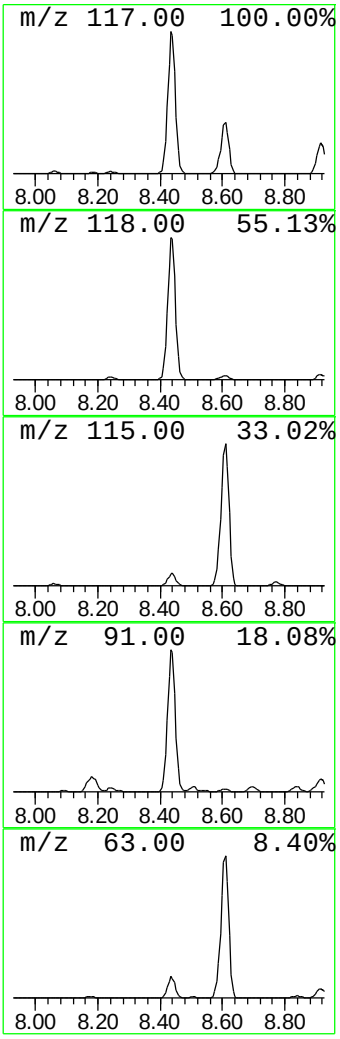
****

Peak Number 3 Indane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	55.46 ng/ul	744072	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Indane	118	C9H10	000496-11-7	91
3	Indane	118	C9H10	000496-11-7	90
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	81
5	Indane	118	C9H10	000496-11-7	80





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020607.D
Acq On : 30 Dec 2015 13:57
Operator : UM/SJ
Sample : G4846-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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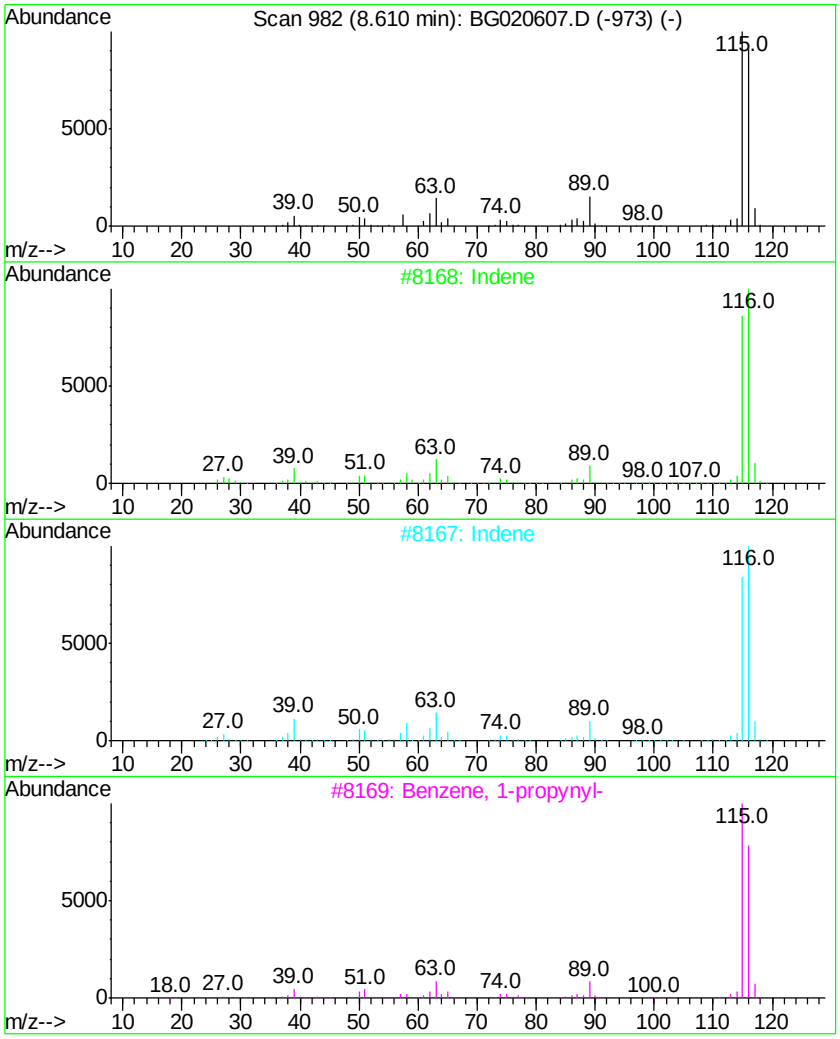
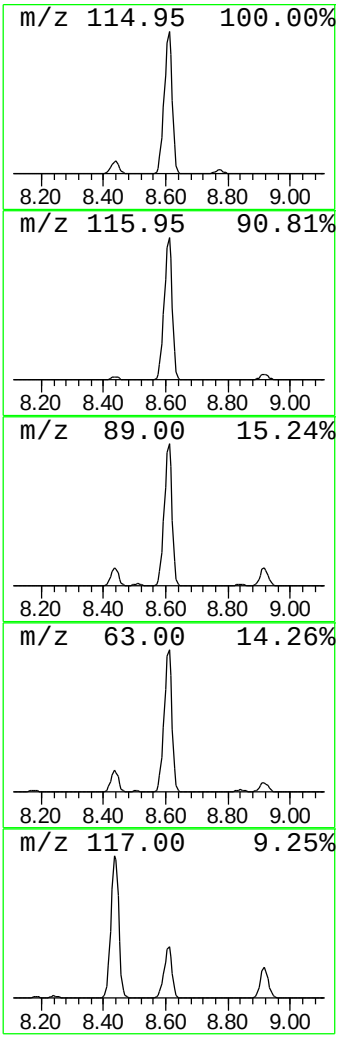
Peak Number 4 Indene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.61	225.63 ng/ul	3027180	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Indene	116	C9H8	000095-13-6	95
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
4	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020607.D
Acq On : 30 Dec 2015 13:57
Operator : UM/SJ
Sample : G4846-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

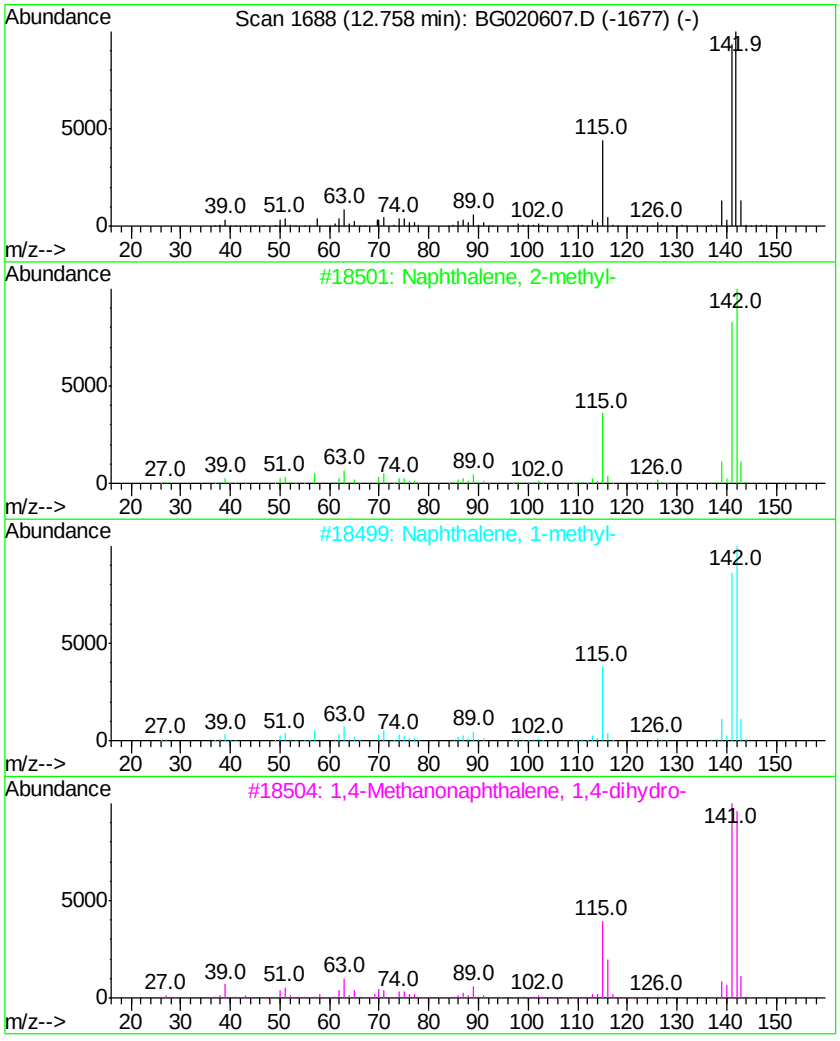
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

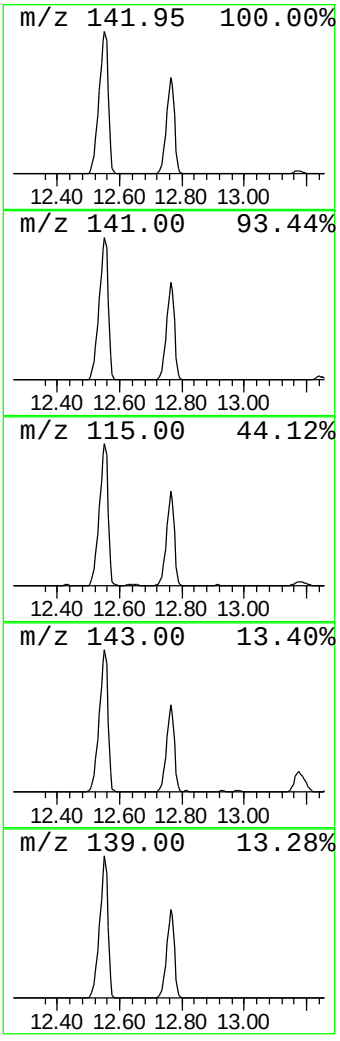
****

Peak Number 5 Naphthalene, 1-methyl- Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	2.67 ng/ul	4052890	Naphthalene-d8	10.92

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	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020607.D
Acq On : 30 Dec 2015 13:57
Operator : UM/SJ
Sample : G4846-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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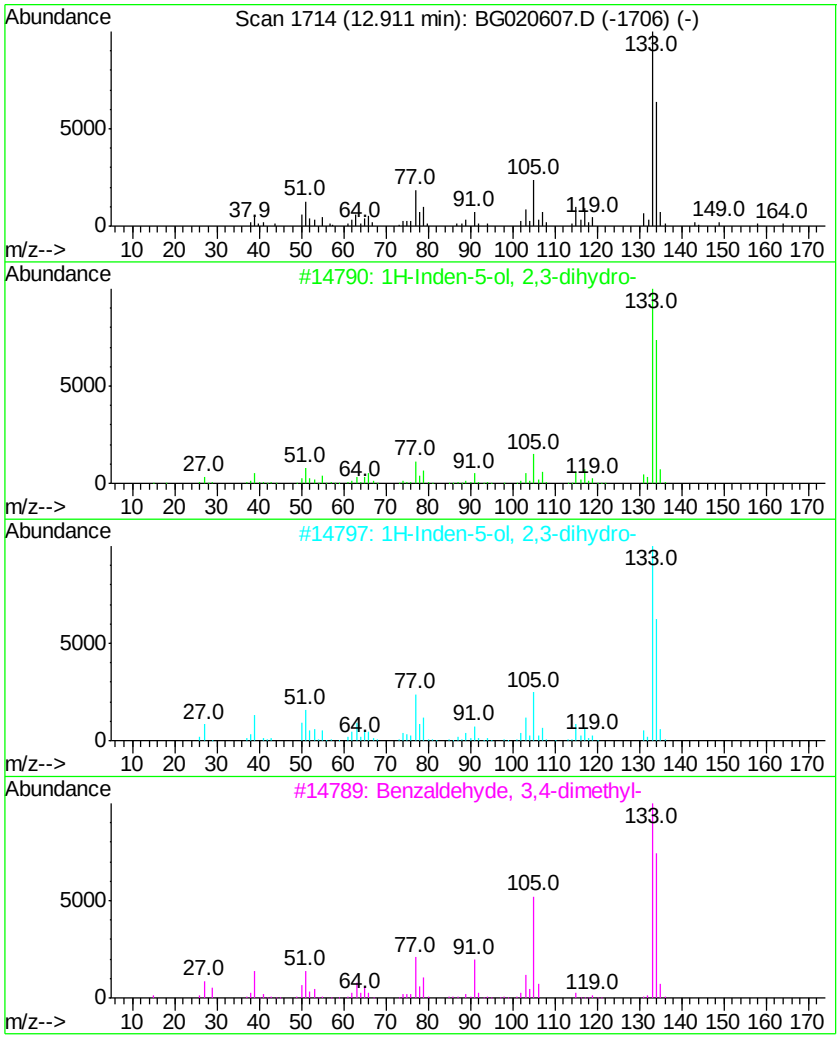
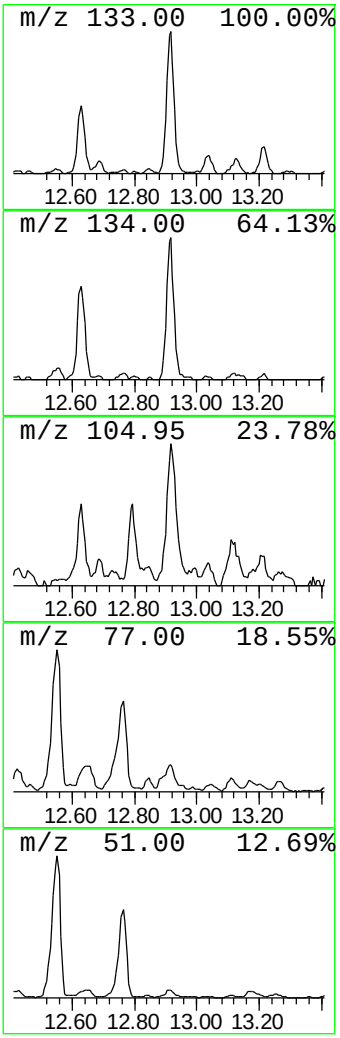
Peak Number 6 1H-Inden-5-ol, 2,3-dihydro- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.91	11.43 ng/ul	216001	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Inden-5-ol, 2,3-dihydro-	134	C9H10O	001470-94-6	95
2	1H-Inden-5-ol, 2,3-dihydro-	134	C9H10O	001470-94-6	93
3	Benzaldehyde, 3,4-dimethyl-	134	C9H10O	005973-71-7	81
4	Benzaldehyde, 2,4-dimethyl-	134	C9H10O	015764-16-6	72
5	1H-Inden-1-ol, 2,3-dihydro-	134	C9H10O	006351-10-6	58





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020607.D
Acq On : 30 Dec 2015 13:57
Operator : UM/SJ
Sample : G4846-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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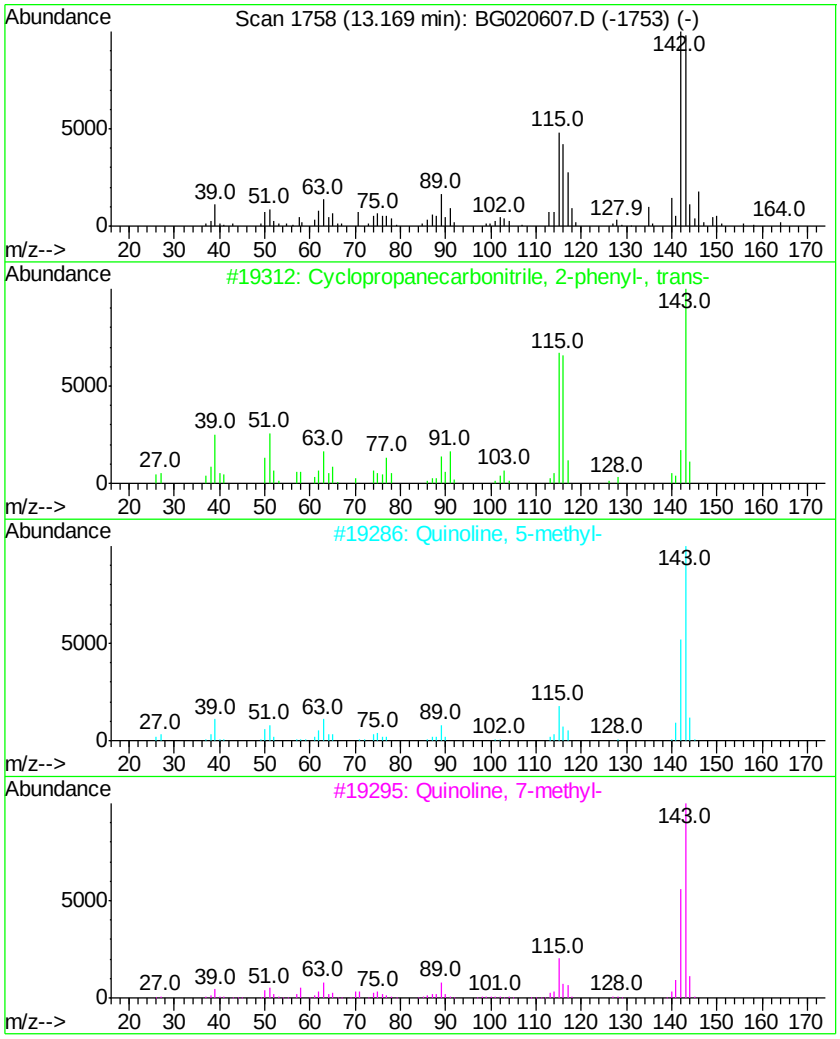
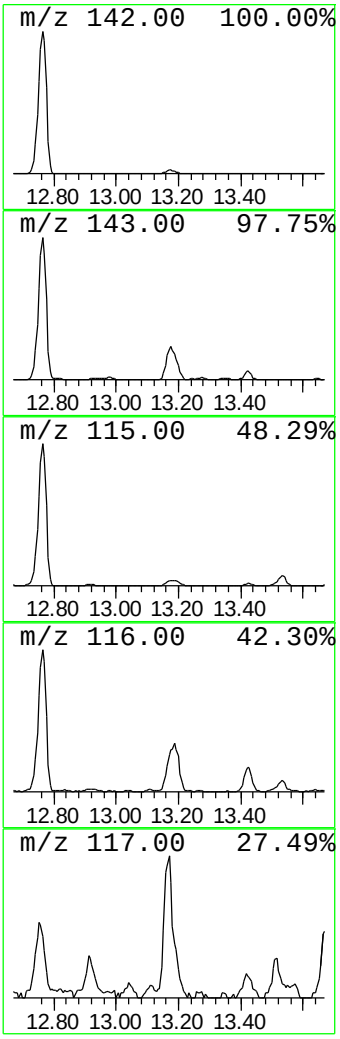
Peak Number 7 Cyclopropanecarbonitrile, 2... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	15.68 ng/ul	296480	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropanecarbonitrile, 2-phen...	143	C10H9N	005590-14-7	60
2	Quinoline, 5-methyl-	143	C10H9N	007661-55-4	60
3	Quinoline, 7-methyl-	143	C10H9N	000612-60-2	60
4	Quinoline, 8-methyl-	143	C10H9N	000611-32-5	58
5	1-Propene, 3-cyano-1-phenyl-	143	C10H9N	1000164-96-2	49





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Sample : G4846-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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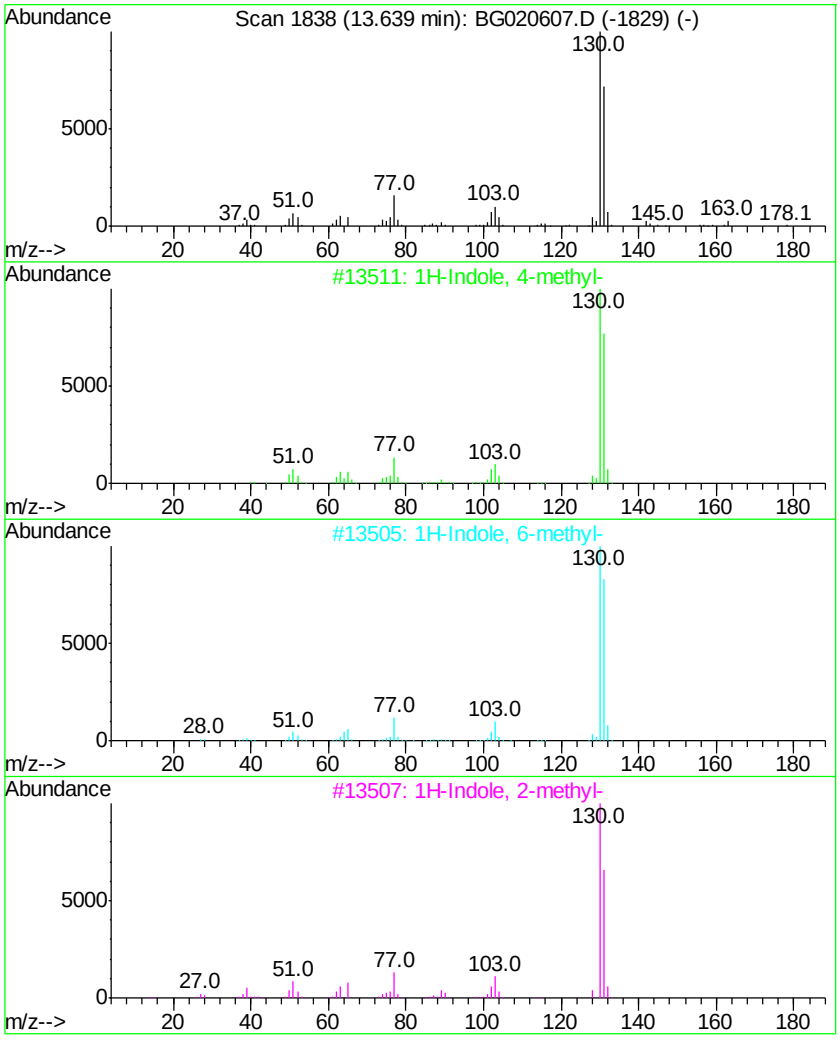
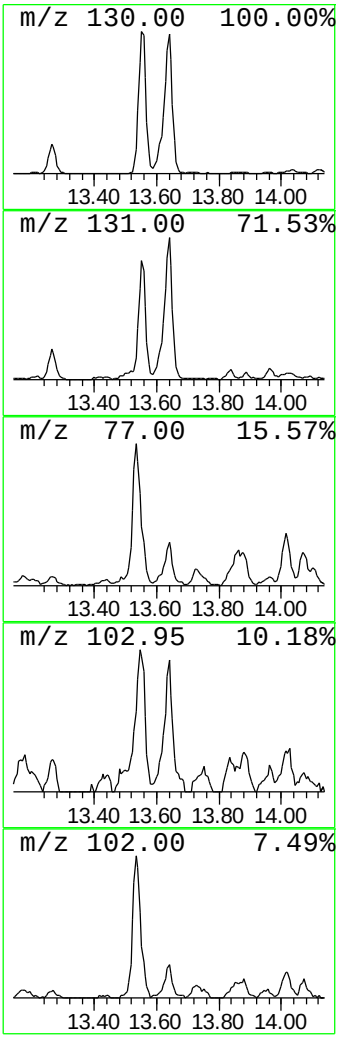
Peak Number 8 1H-Indole, 4-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.64	12.57 ng/ul	237586	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indole, 4-methyl-	131	C9H9N	016096-32-5	95
2	1H-Indole, 6-methyl-	131	C9H9N	003420-02-8	91
3	1H-Indole, 2-methyl-	131	C9H9N	000095-20-5	91
4	1H-Indole, 4-methyl-	131	C9H9N	016096-32-5	91
5	1H-Indole, 5-methyl-	131	C9H9N	000614-96-0	91





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Sample : G4846-08
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Instrument : BNA_G
ClientSampleId : D9N54

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Quant Title : SVOA CALIBRATION

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

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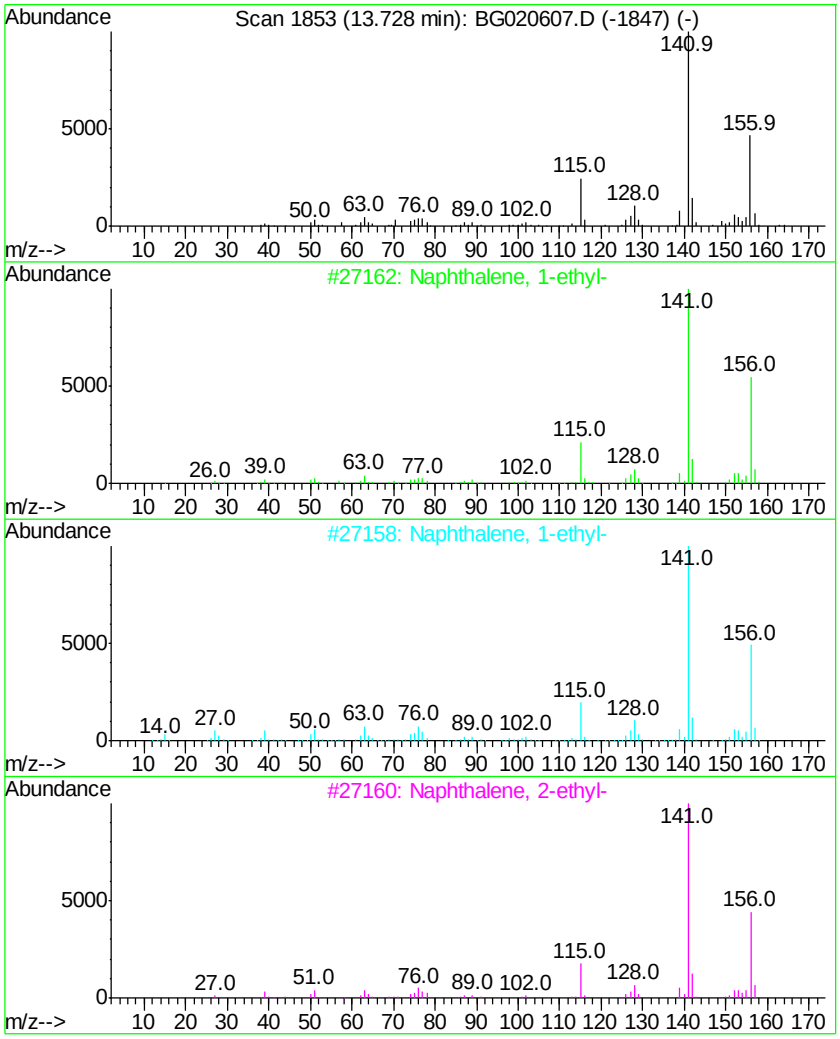
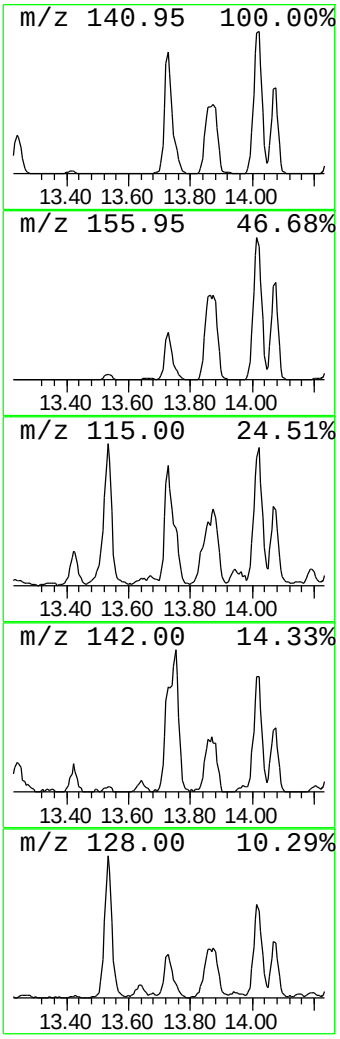
Peak Number 9 Naphthalene, 1-ethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	23.34 ng/ul	441238	Acenaphthene-d10	14.70

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





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Misc :
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Instrument : BNA_G
ClientSampleId : D9N54

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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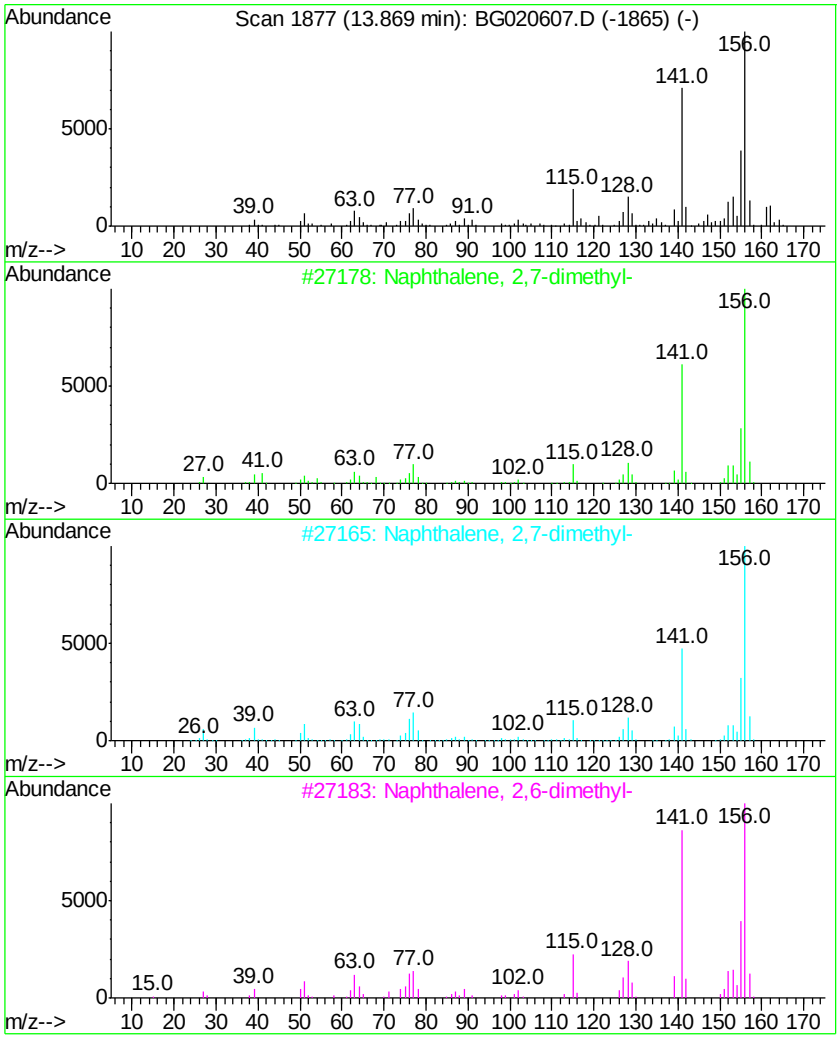
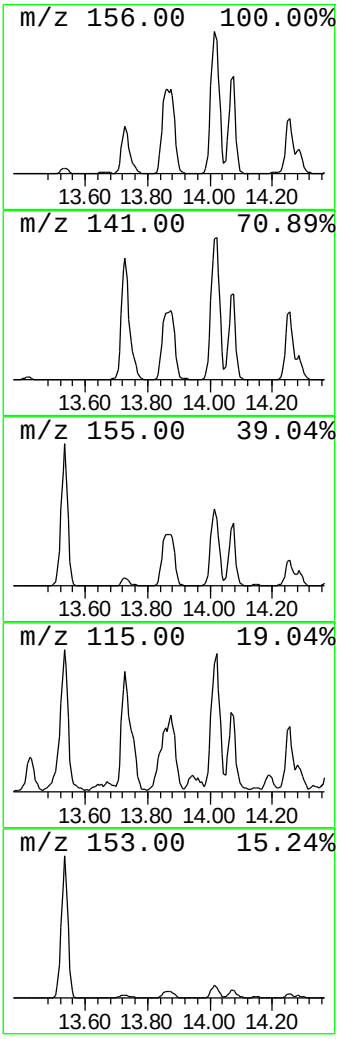
Peak Number 10 Naphthalene, 2,7-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	40.99 ng/ul	774953	Acenaphthene-d10	14.70

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





Library Search Compound Report

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Sample : G4846-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54

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Quant Title : SVOA CALIBRATION

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

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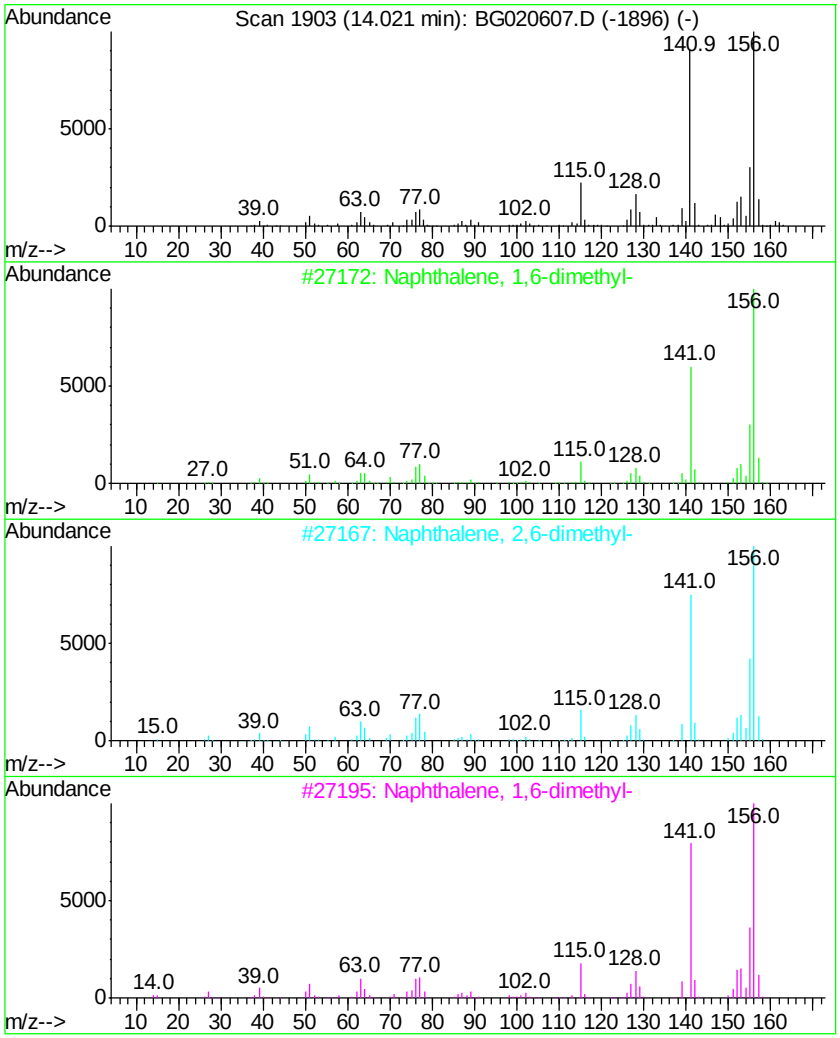
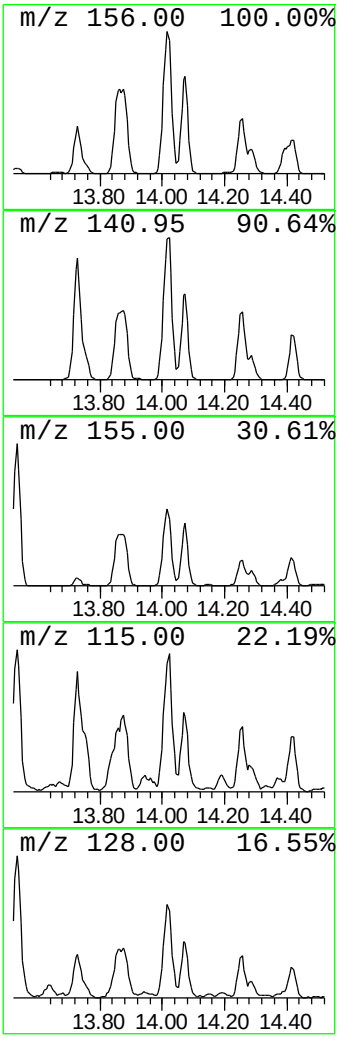
Peak Number 11 Naphthalene, 1,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	37.71 ng/ul	712971	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





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Operator : UM/SJ
Sample : G4846-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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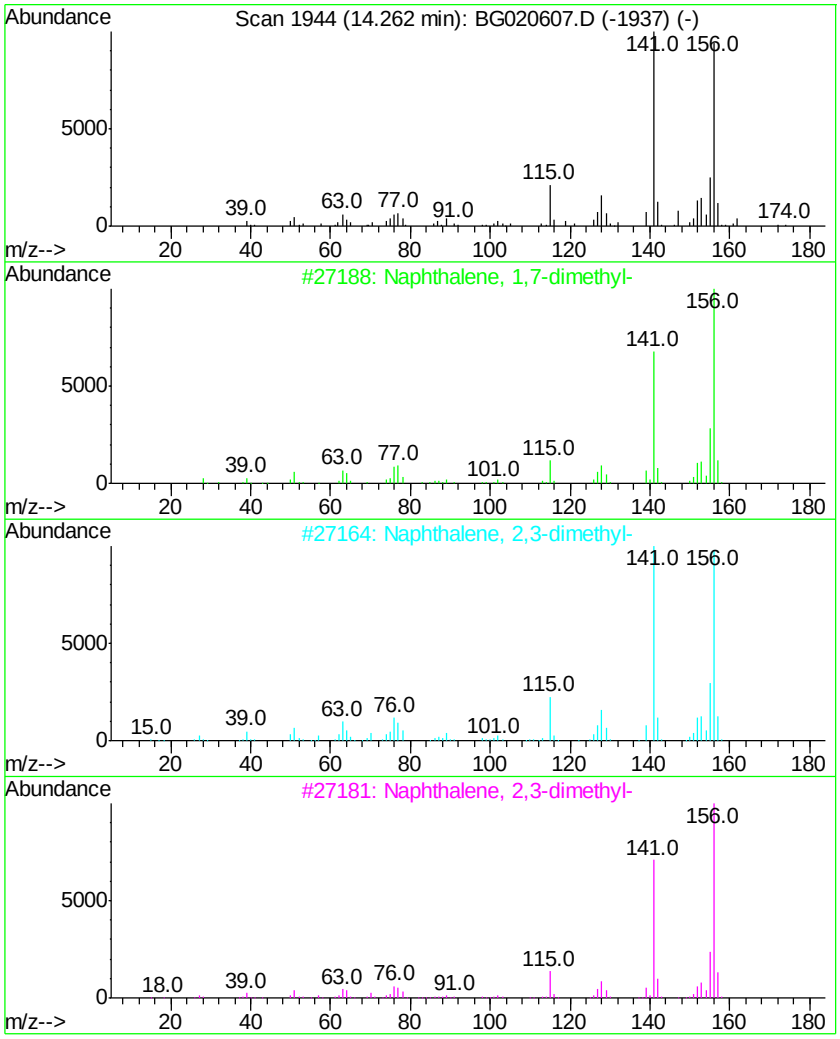
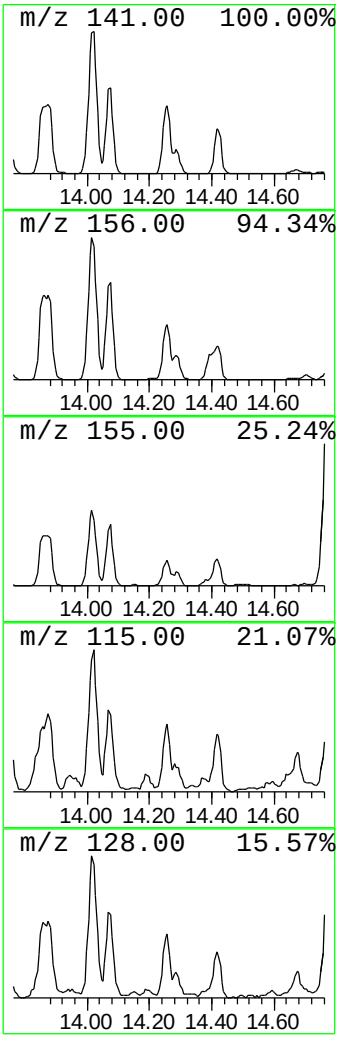
Peak Number 12 Naphthalene, 1,7-dimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.26	12.99 ng/ul	245497	Acenaphthene-d10	14.70

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





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Sample : G4846-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54

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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 1-Naphthalenecarbonitrile Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	101.33 ng/ul	1915530	Acenaphthene-d10	14.70

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	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
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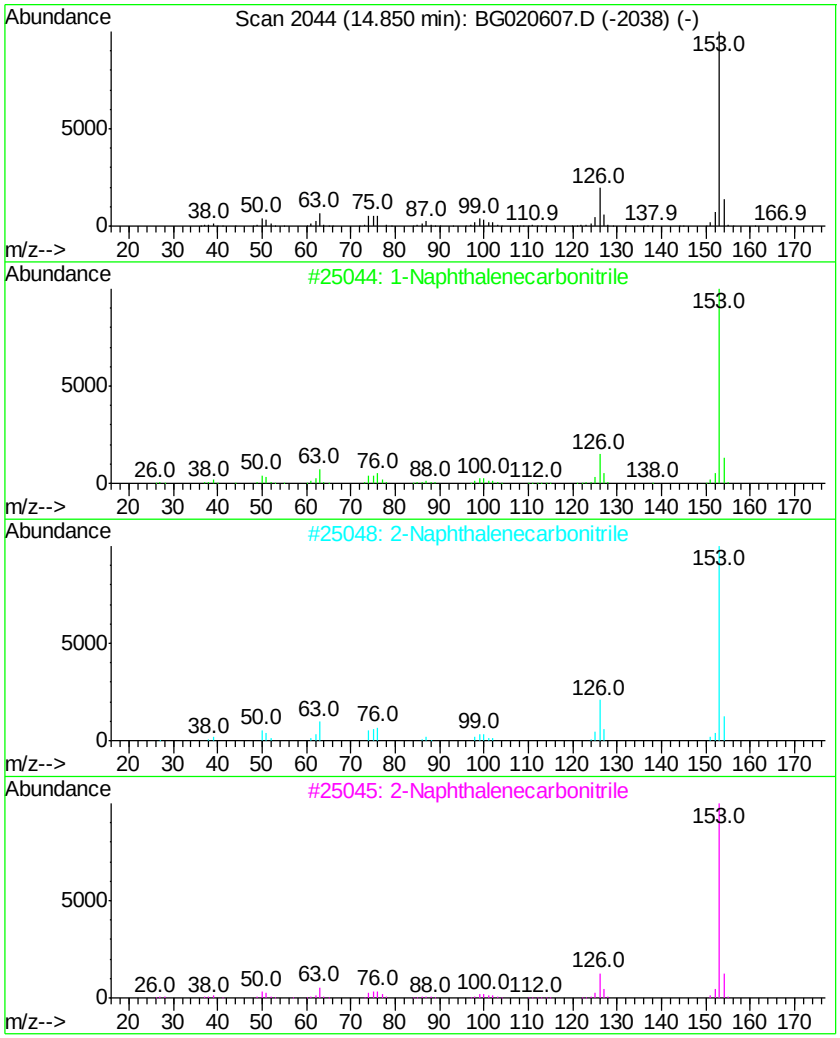

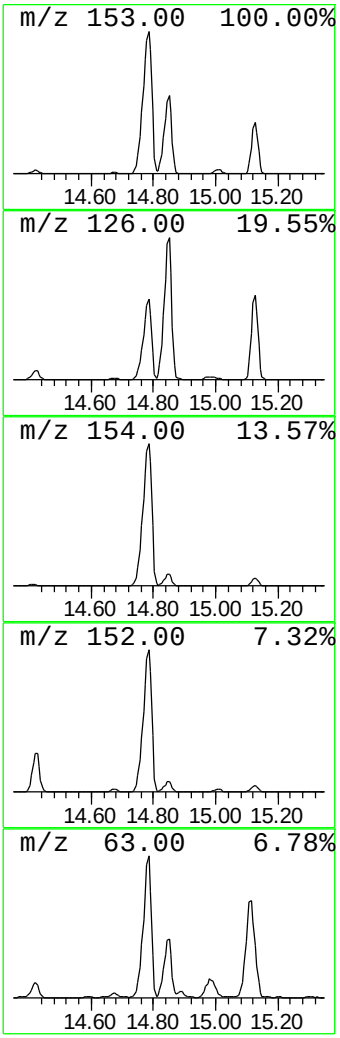

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Misc :
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Instrument : BNA_G
ClientSampleId : D9N54

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Quant Title : SVOA CALIBRATION

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

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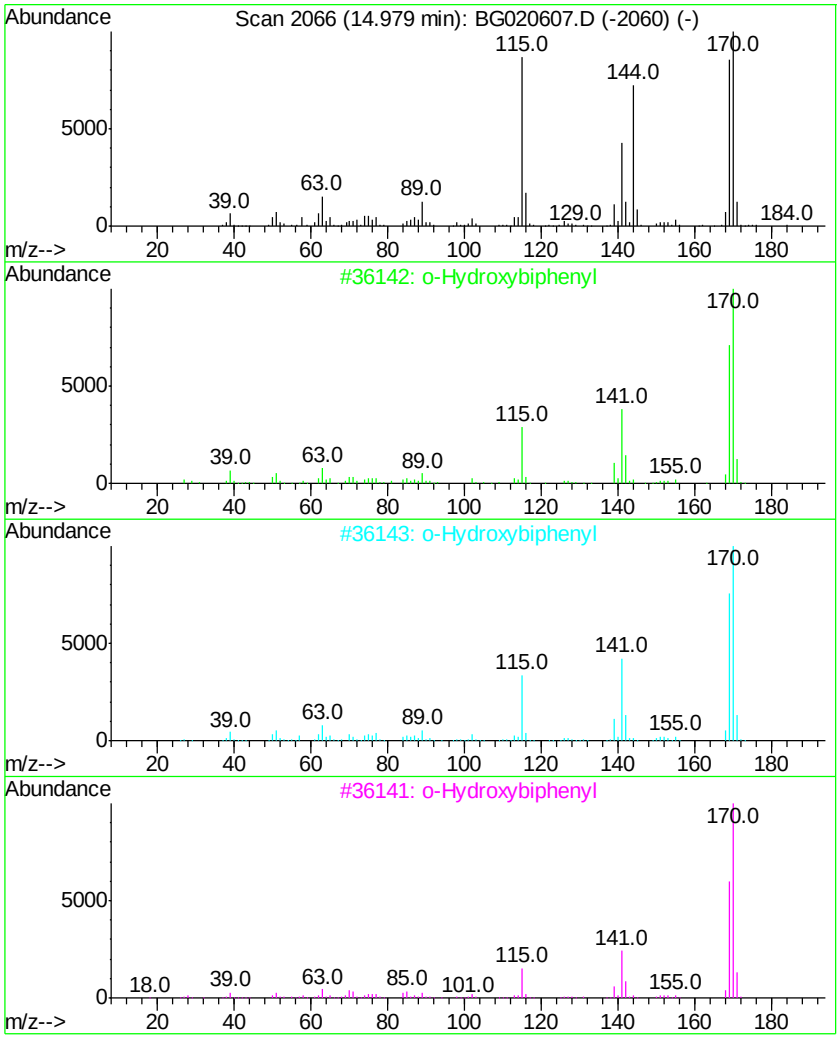
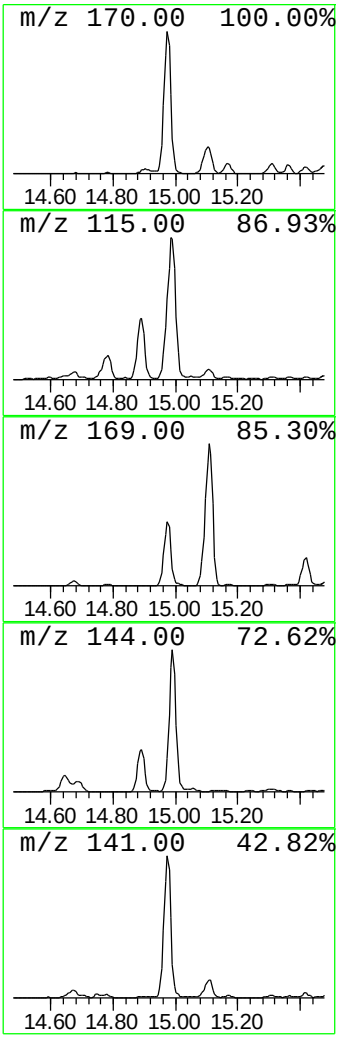
Peak Number 14 o-Hydroxybiphenyl Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.98	59.64 ng/ul	1127570	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	92
2	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	92
3	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	60
4	2-Naphthalenol	144	C10H8O	000135-19-3	53
5	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	50





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Quant Title : SVOA CALIBRATION

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

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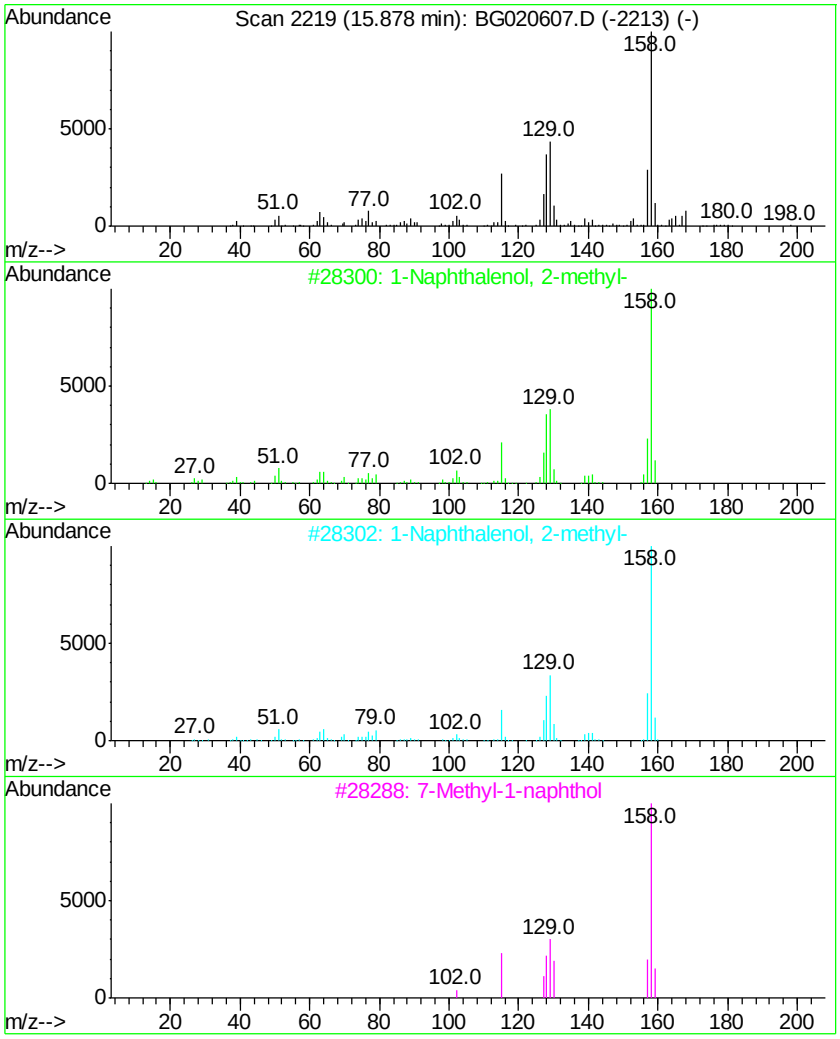
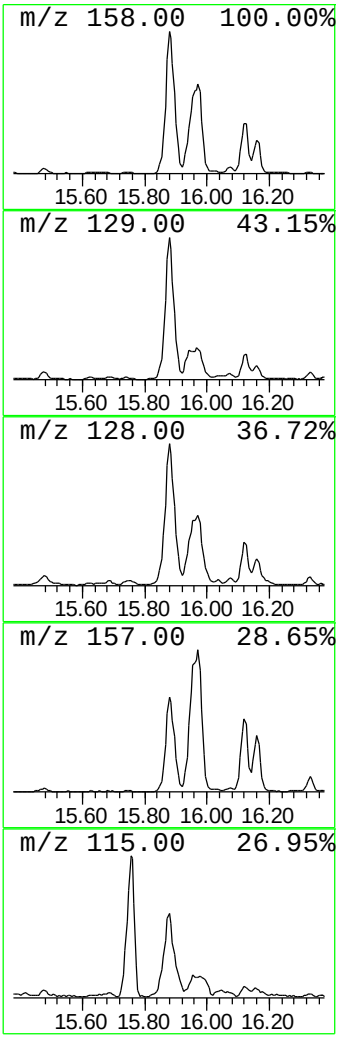
Peak Number 15 1-Naphthalenol, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	69.40 ng/ul	1312030	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenol, 2-methyl-	158	C11H10O	007469-77-4	94
2	1-Naphthalenol, 2-methyl-	158	C11H10O	007469-77-4	91
3	7-Methyl-1-naphthol	158	C11H10O	006939-33-9	80
4	Cinnoline, 3,4-dimethyl-	158	C10H10N2	003929-83-7	64
5	7-Methyl-1-naphthol	158	C11H10O	006939-33-9	47





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Instrument : BNA_G
ClientSampleId : D9N54

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Quant Title : SVOA CALIBRATION

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

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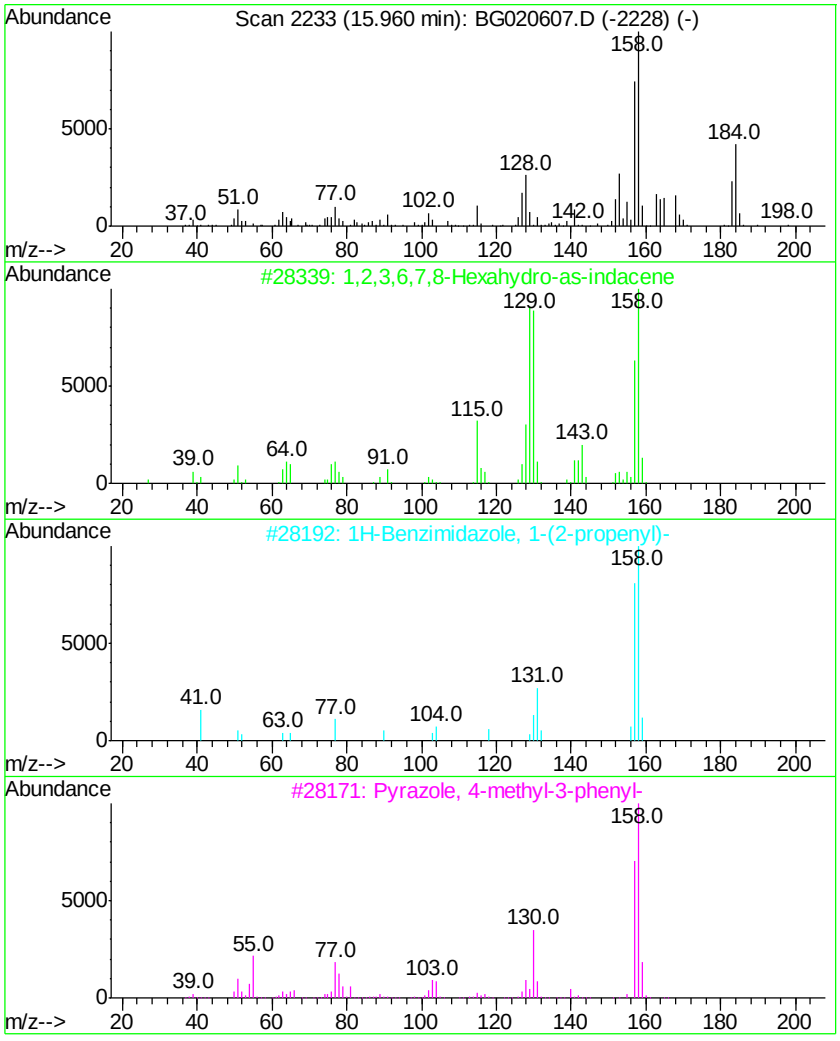
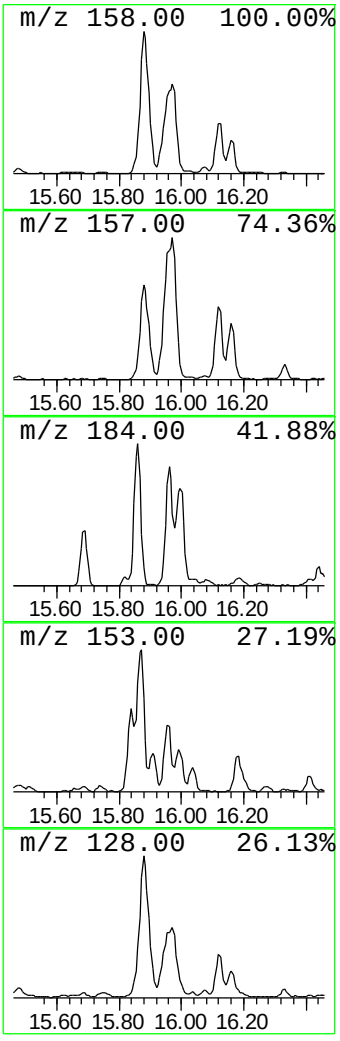
Peak Number 16 unknown-01 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.96	49.57 ng/ul	937130	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,3,6,7,8-Hexahydro-as-indacene	158	C12H14	001076-17-1	43
2	1H-Benzimidazole, 1-(2-propenyl)-	158	C10H10N2	019018-22-5	38
3	Pyrazole, 4-methyl-3-phenyl-	158	C10H10N2	013808-62-3	37
4	1-(2-Aminophenyl)pyrrole	158	C10H10N2	006025-60-1	32
5	1,3-Oxazolidine, 4-methyl-cis-5-...	264	C17H16N2O	1000138-86-2	32





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Quant Title : SVOA CALIBRATION

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

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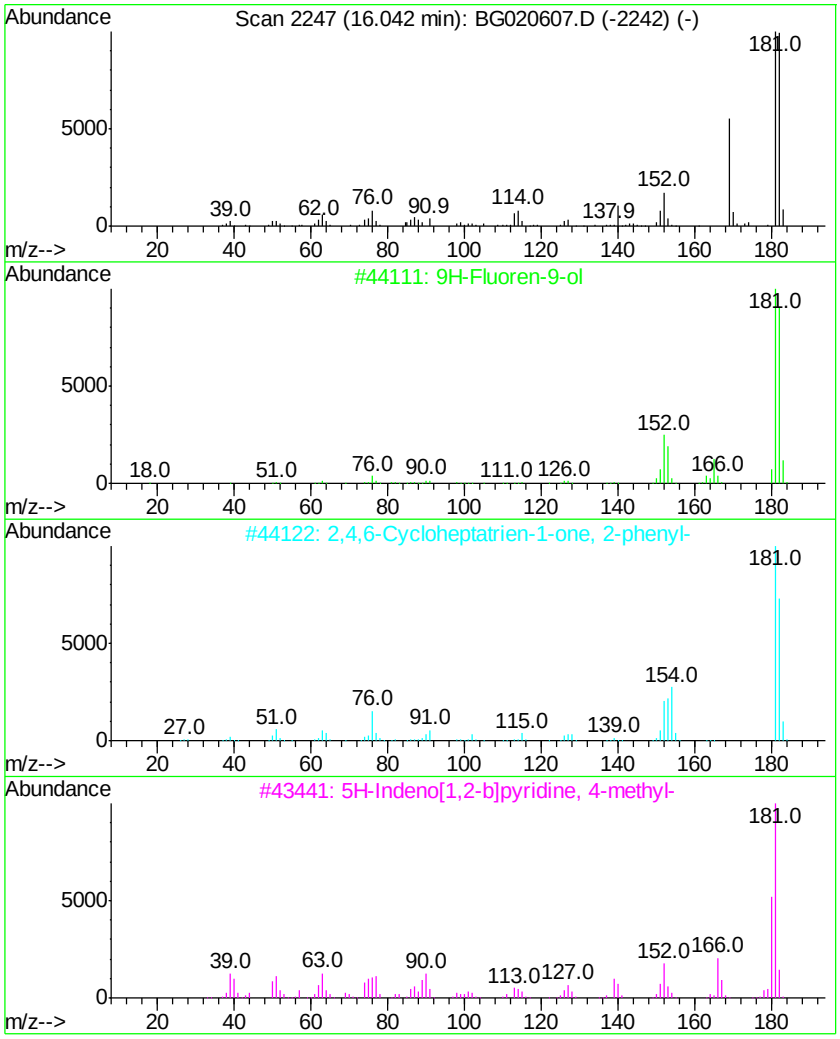
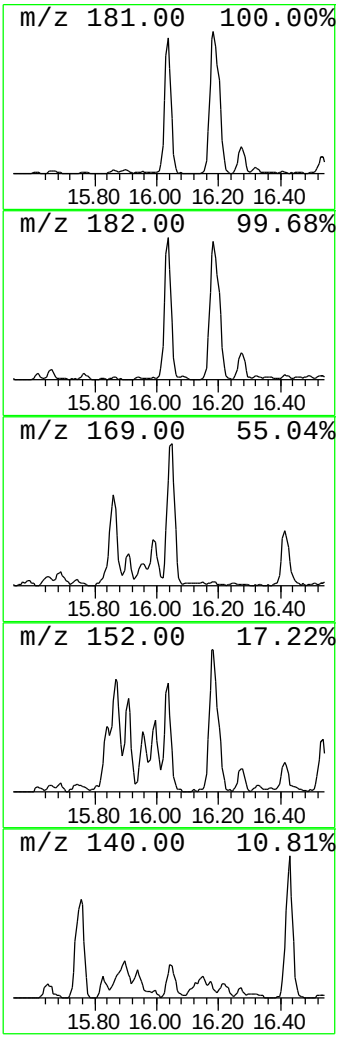
Peak Number 17 9H-Fluoren-9-ol Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	18.25 ng/ul	345073	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	59
3	5H-Indeno[1,2-b]pyridine, 4-methyl-	181	C13H11N	064292-01-9	46
4	9H-Xanthene	182	C13H10O	000092-83-1	45
5	3-Methylcarbazole	181	C13H11N	004630-20-0	43





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Acq On : 30 Dec 2015 13:57
Operator : UM/SJ
Sample : G4846-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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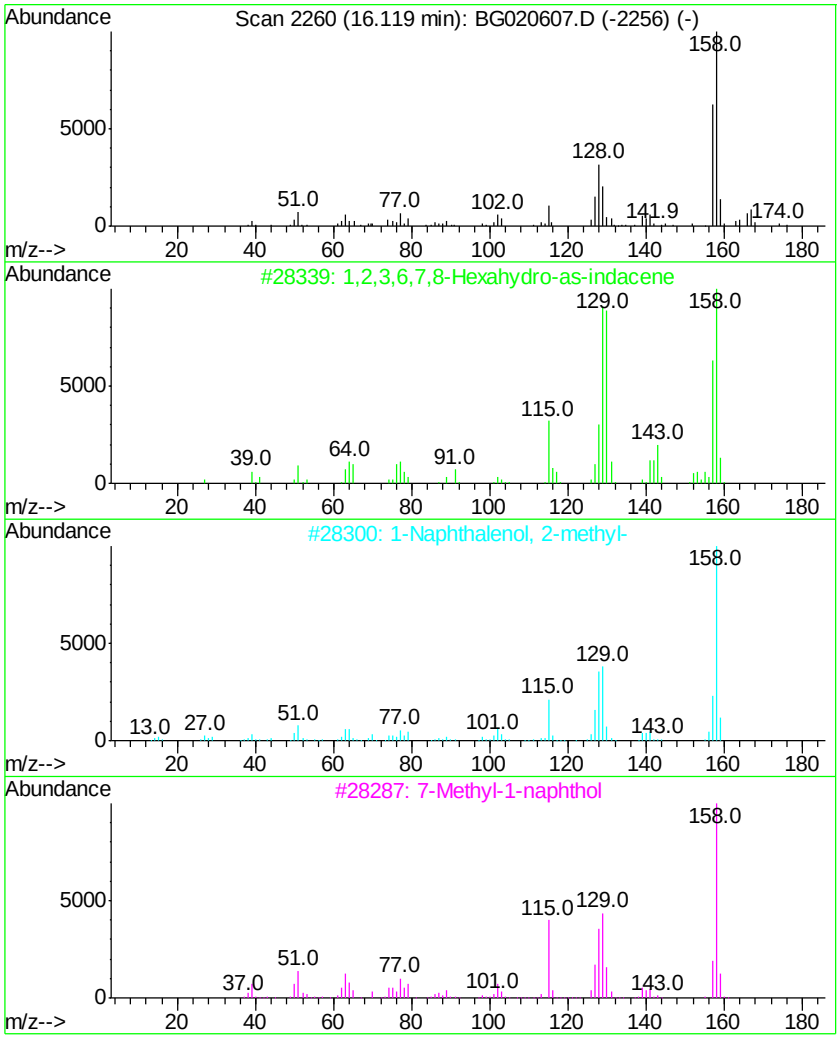
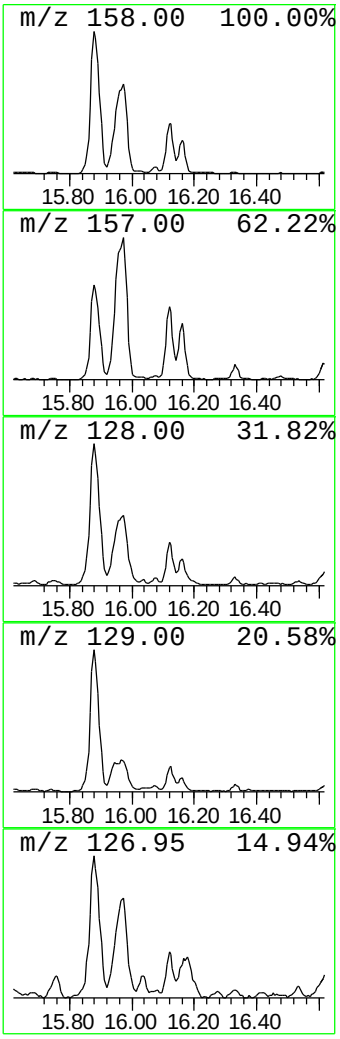
Peak Number 18 1,2,3,6,7,8-Hexahydro-as-in... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.12	5.75 ng/ul	172284	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,3,6,7,8-Hexahydro-as-indacene	158	C12H14	001076-17-1	64
2	1-Naphthalenol, 2-methyl-	158	C11H10O	007469-77-4	64
3	7-Methyl-1-naphthol	158	C11H10O	006939-33-9	62
4	1-Naphthalenol, 2-methyl-	158	C11H10O	007469-77-4	59
5	1,3-Oxazolidine, 4-methyl-cis-5-...	264	C17H16N2O	1000138-86-2	50





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Operator : UM/SJ
Sample : G4846-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54

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Quant Title : SVOA CALIBRATION

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

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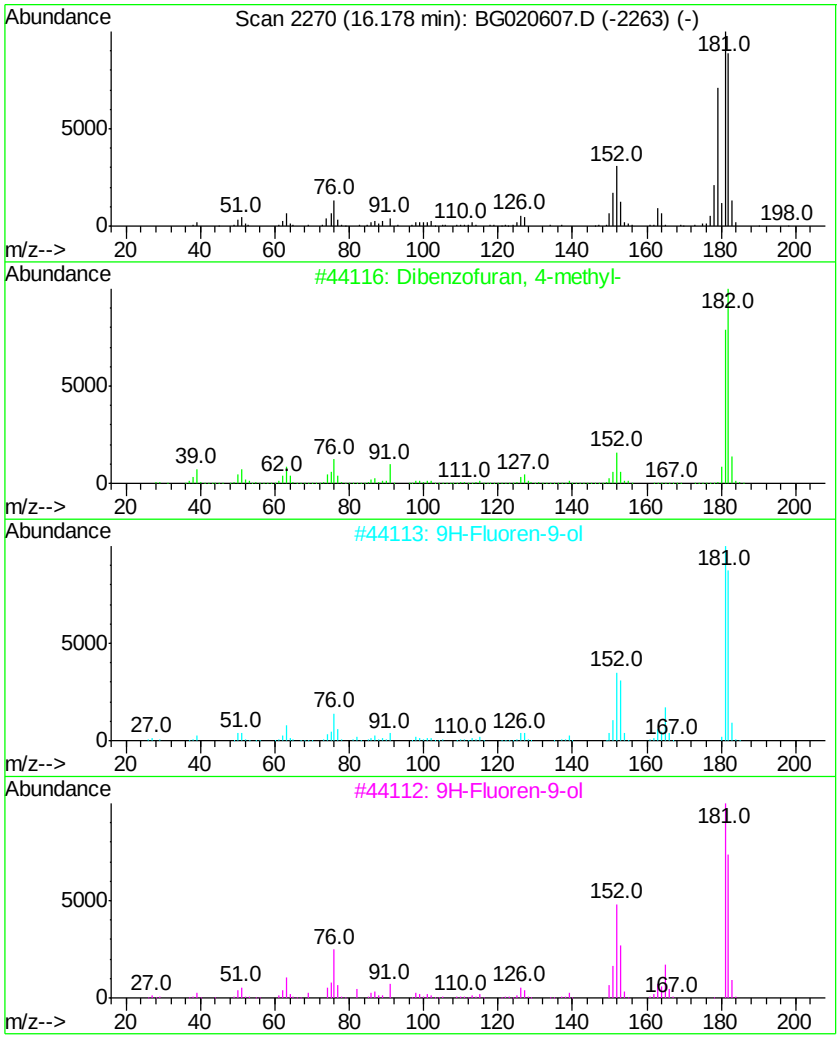
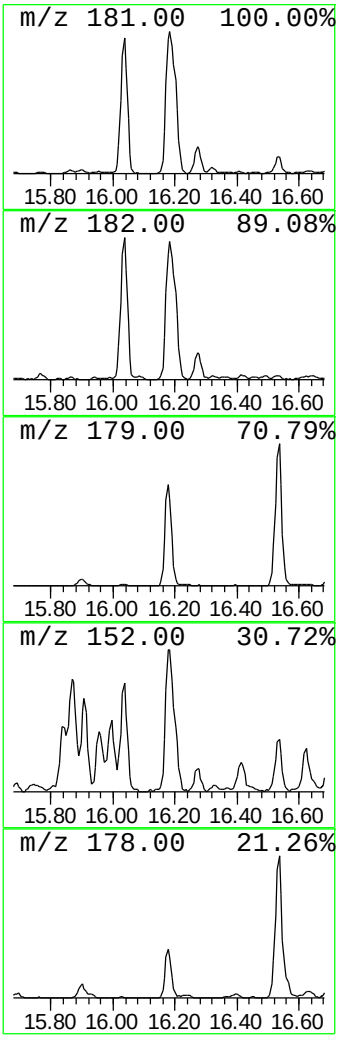
Peak Number 19 Dibenzofuran, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.18	24.16 ng/ul	723934	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	76
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	70
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64
4	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	58
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	52





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Instrument : BNA_G
ClientSampleId : D9N54

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Quant Title : SVOA CALIBRATION

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

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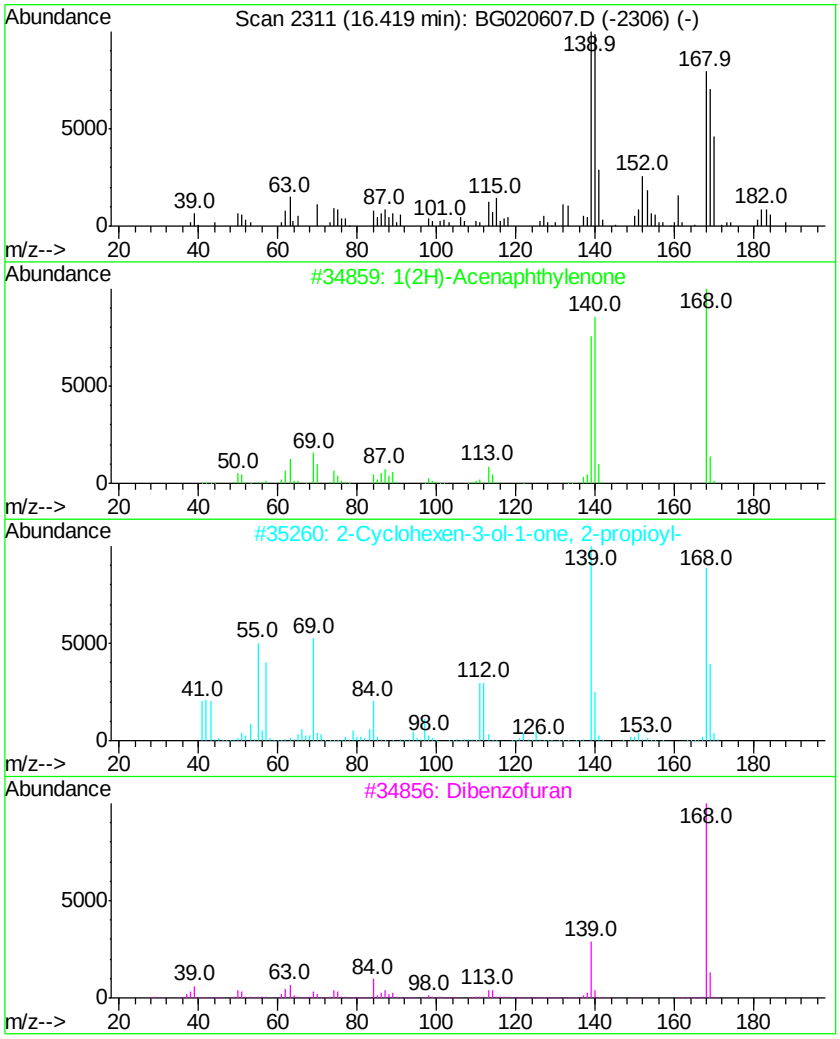
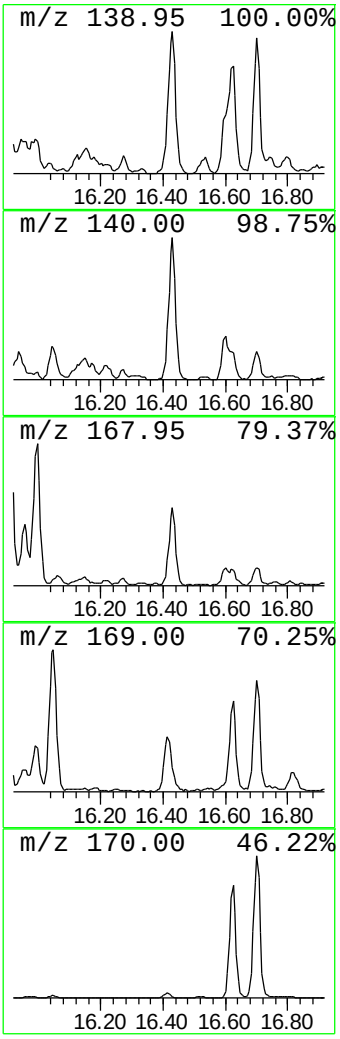
Peak Number 20 1(2H)-Acenaphthylenone Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.42	6.19 ng/ul	185590	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	81
2	2-Cyclohexen-3-ol-1-one, 2-propi...	168	C9H12O3	062847-90-9	47
3	Dibenzofuran	168	C12H8O	000132-64-9	43
4	Dibenzofuran	168	C12H8O	000132-64-9	43
5	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	43





Library Search Compound Report

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Misc :
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ClientSampleId : D9N54

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Quant Title : SVOA CALIBRATION

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

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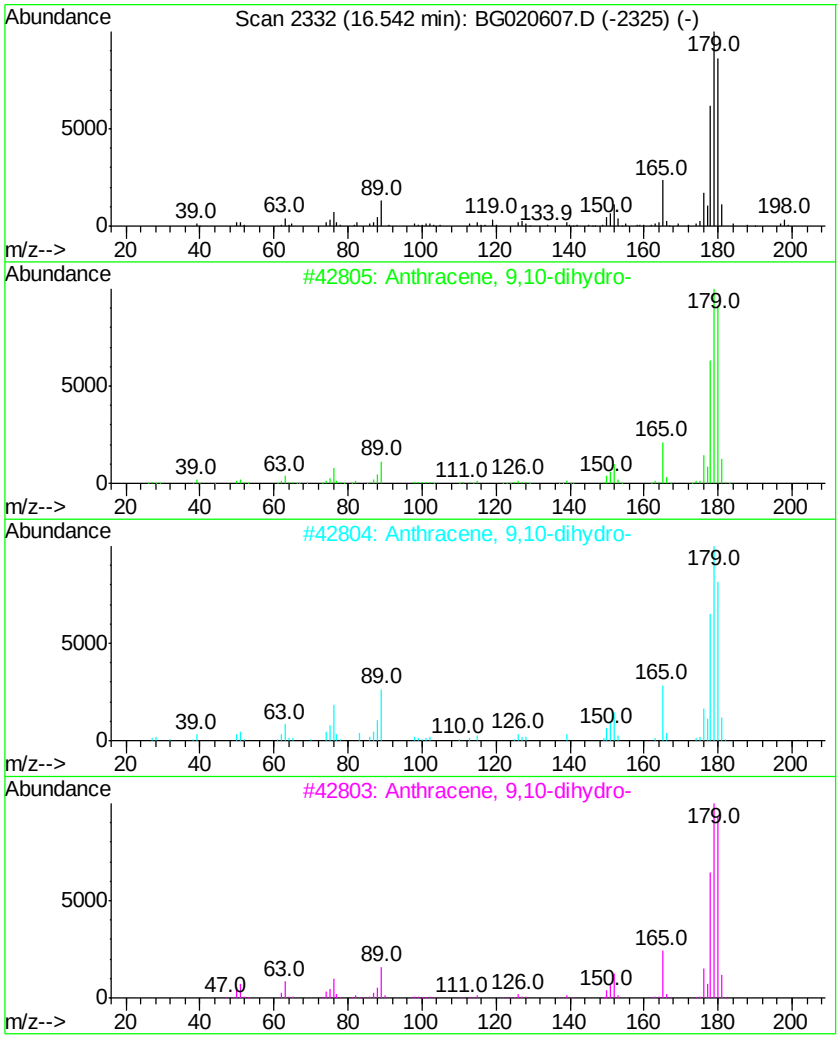
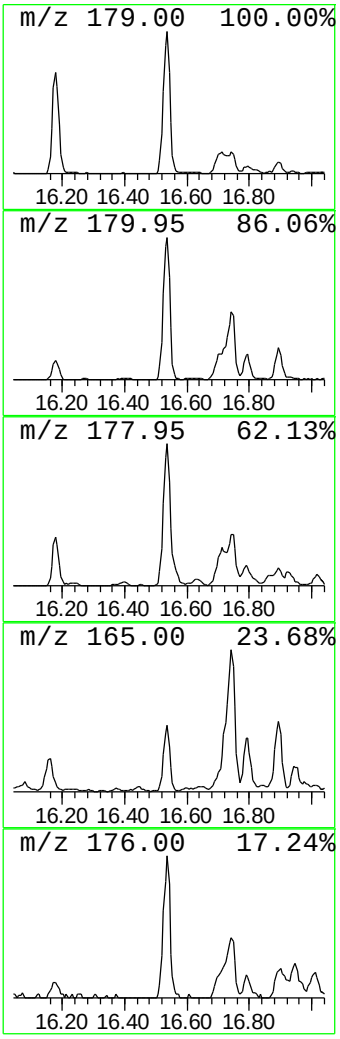
Peak Number 21 Anthracene, 9,10-dihydro- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.54	10.51 ng/ul	315014	Phenanthrene-d10	17.45

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	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	94
5	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	92





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54

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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 [1,1'-Biphenyl]-3-ol Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.62	21.34 ng/ul	639540	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	96
2	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	95
3	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	95
4	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	94
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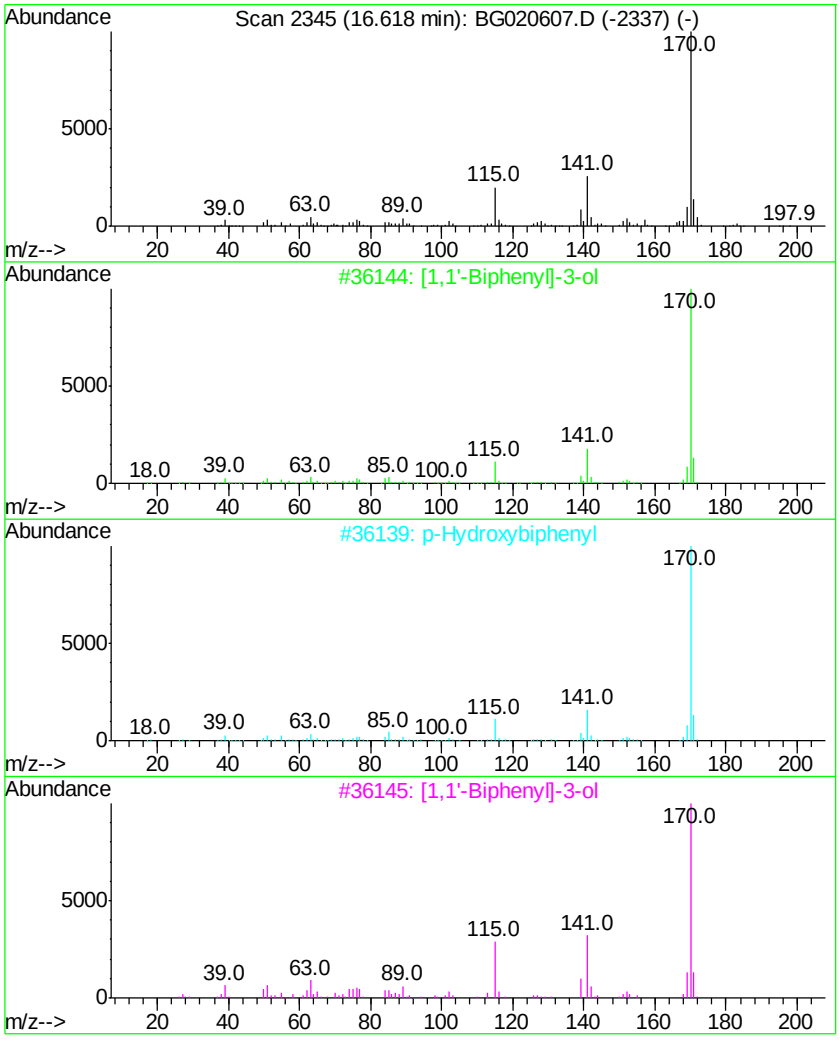

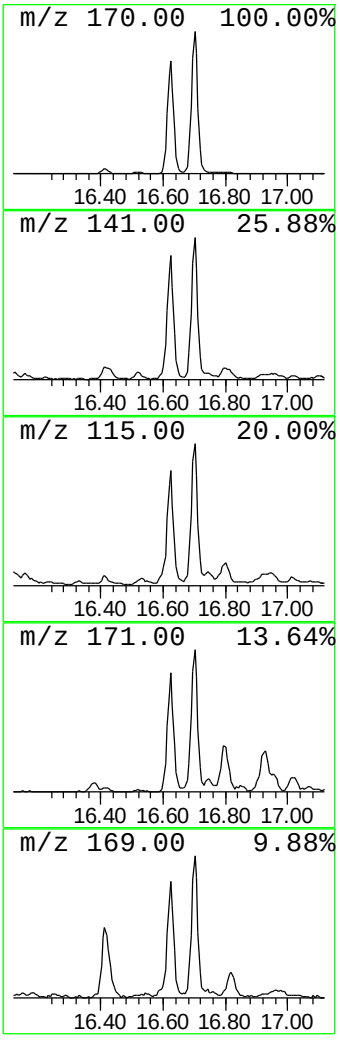

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Quant Title : SVOA CALIBRATION

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

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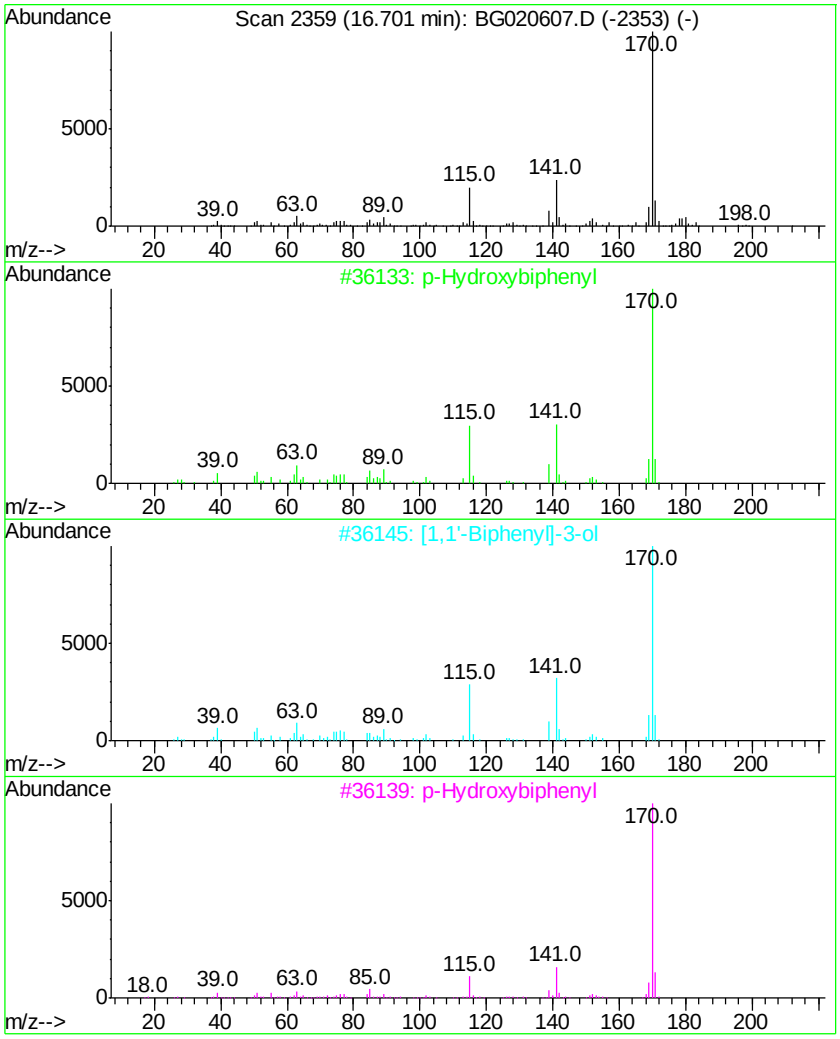
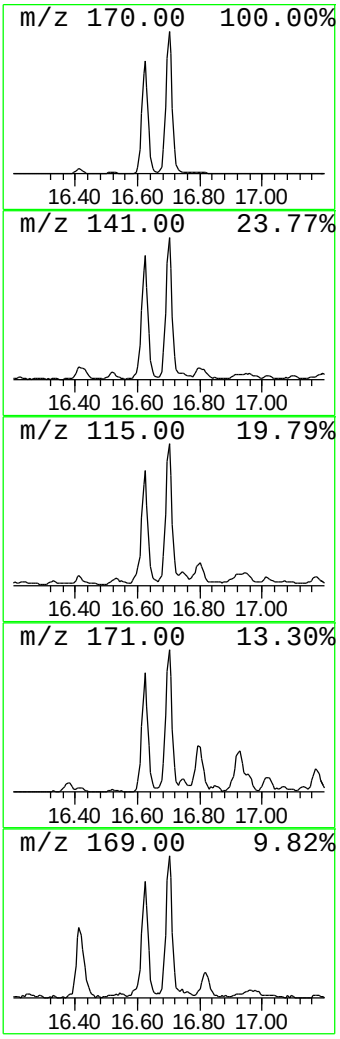
Peak Number 23 p-Hydroxybiphenyl Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.70	24.78 ng/ul	742449	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	95
2	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	95
3	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	94
4	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	93
5	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	93





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ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54

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Quant Title : SVOA CALIBRATION

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

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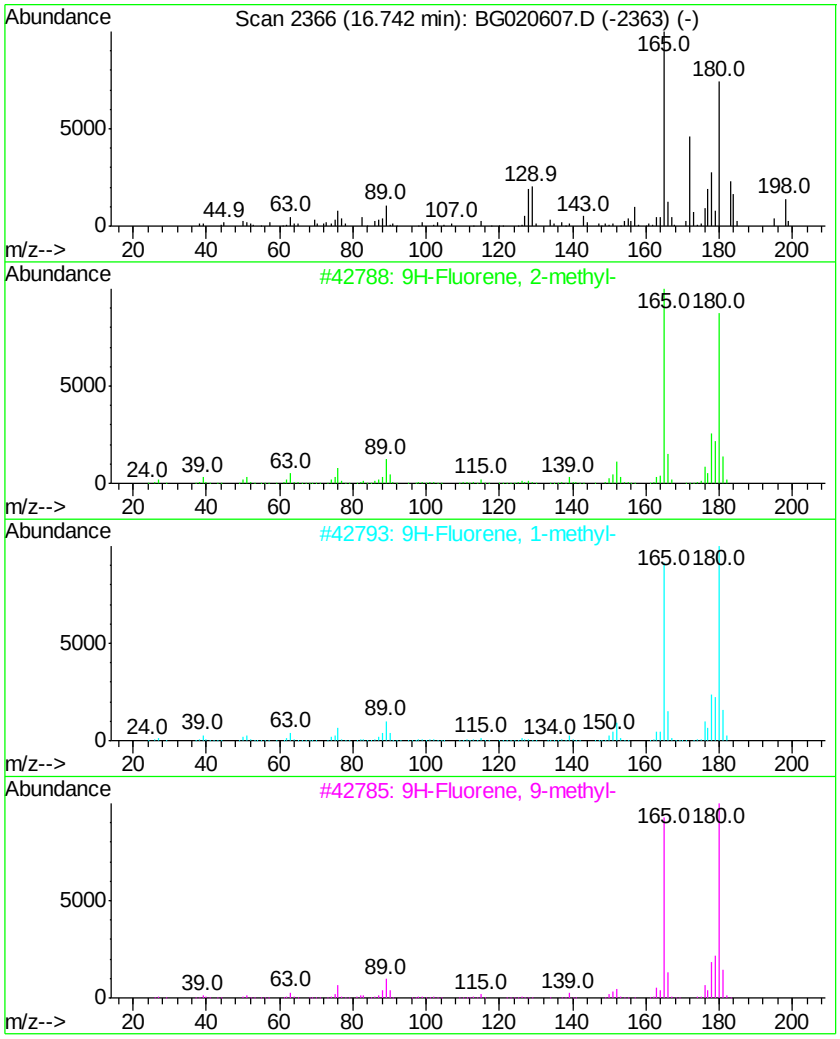
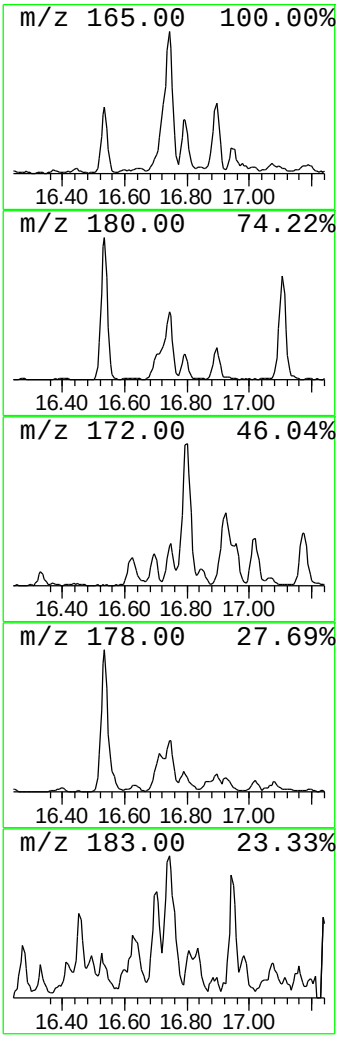
Peak Number 24 9H-Fluorene, 2-methyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.74	9.24 ng/ul	276959	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	55
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	49
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	49
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	46
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	46





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Quant Title : SVOA CALIBRATION

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

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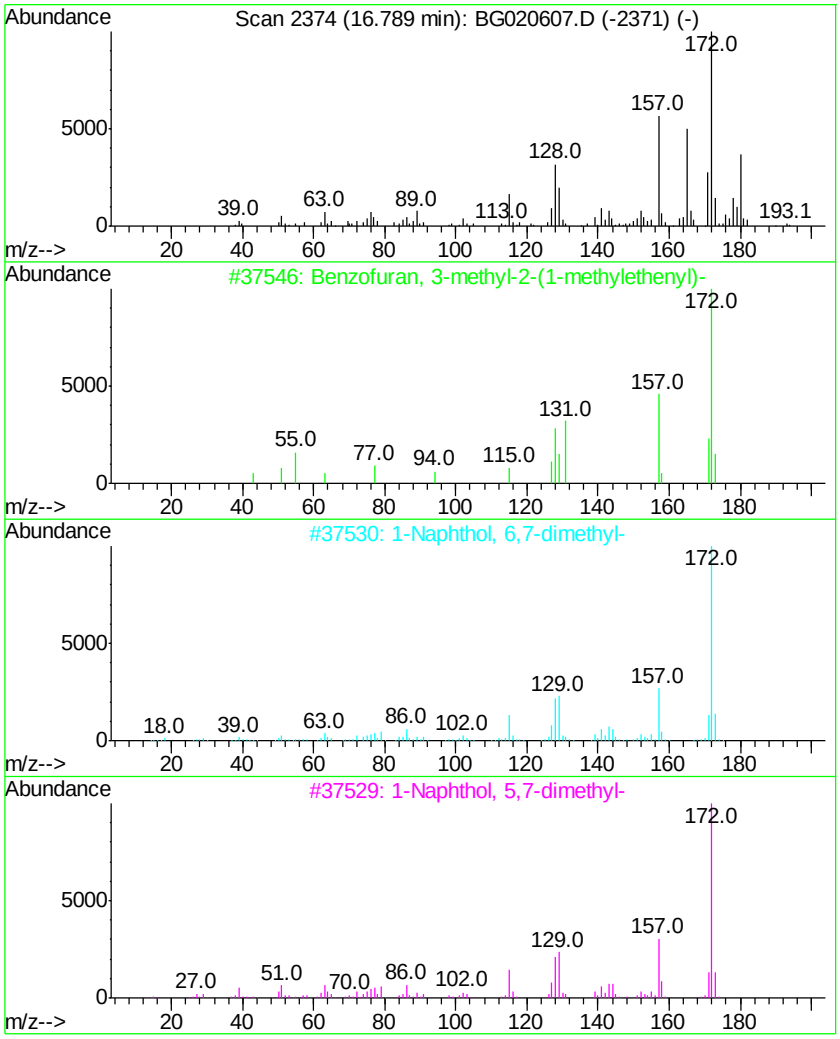
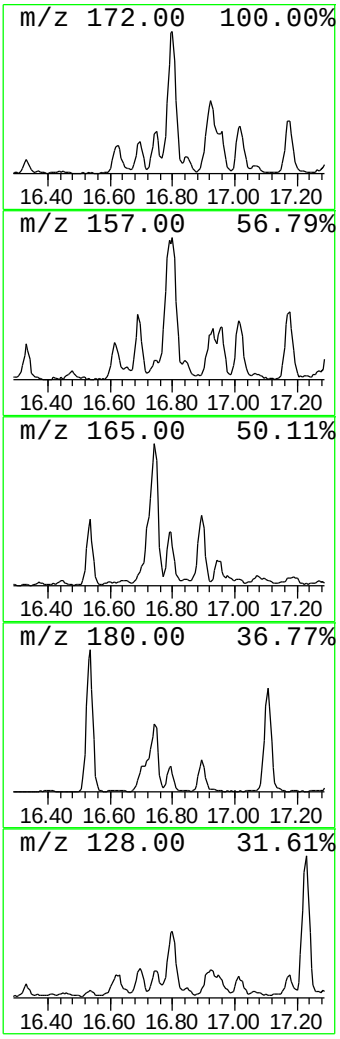
Peak Number 25 Benzofuran, 3-methyl-2-(1-m... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.79	10.41 ng/ul	311962	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 3-methyl-2-(1-methyl...	172	C12H12O	023911-58-2	81
2	1-Naphthol, 6,7-dimethyl-	172	C12H12O	031776-14-4	64
3	1-Naphthol, 5,7-dimethyl-	172	C12H12O	031706-76-0	58
4	1-(4-Tolyl)-1-cyclohexene	172	C13H16	001821-23-4	52
5	1,1'-Biphenyl, 2-fluoro-	172	C12H9F	000321-60-8	38





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Quant Title : SVOA CALIBRATION

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

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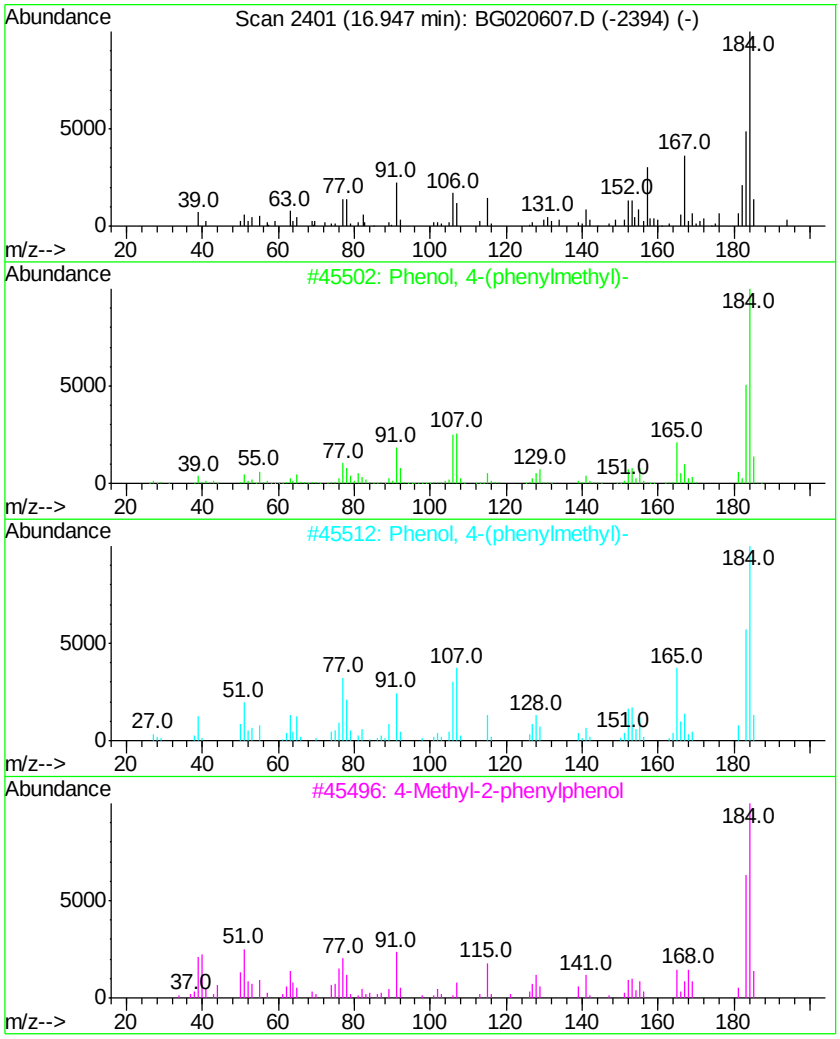
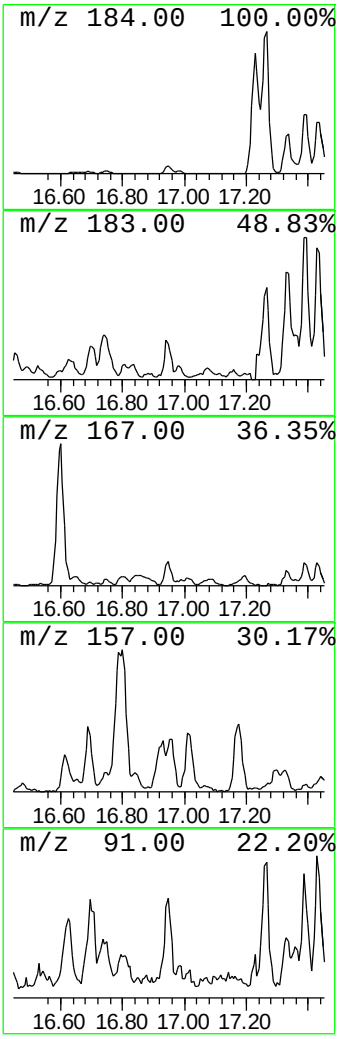
Peak Number 26 Phenol, 4-(phenylmethyl)- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.95	8.13 ng/ul	243695	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(phenylmethyl)-	184	C13H12O	000101-53-1	70
2	Phenol, 4-(phenylmethyl)-	184	C13H12O	000101-53-1	70
3	4-Methyl-2-phenylphenol	184	C13H12O	039579-09-4	64
4	Phenol, 2-(phenylmethyl)-	184	C13H12O	028994-41-4	58
5	Diphenan	227	C14H13NO2	000101-71-3	53





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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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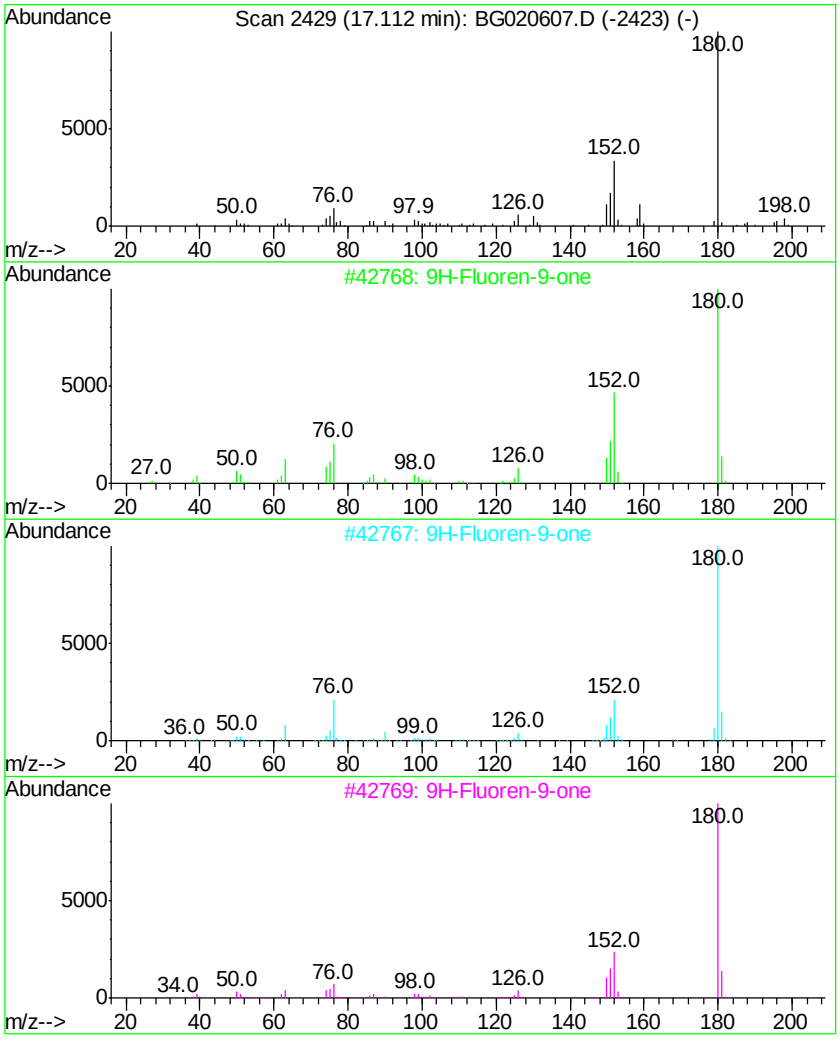
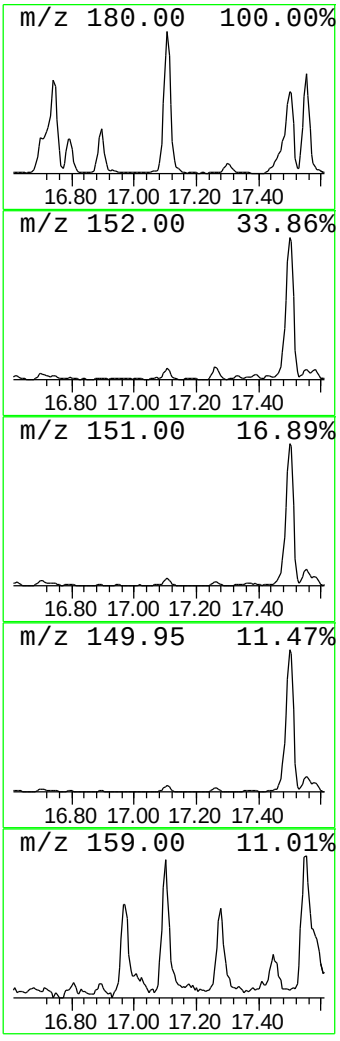
Peak Number 27 9H-Fluoren-9-one Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.11	4.76 ng/ul	142690	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
5	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	56





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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 28 2-Dibenzofuranol Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.23	14.96 ng/ul	448318	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Dibenzofuranol	184	C12H8O2	000086-77-1	94
2	2-Dibenzofuranol	184	C12H8O2	000086-77-1	91
3	2-Dibenzofuranol	184	C12H8O2	000086-77-1	91
4	Dibenzo-p-dioxin	184	C12H8O2	000262-12-4	87
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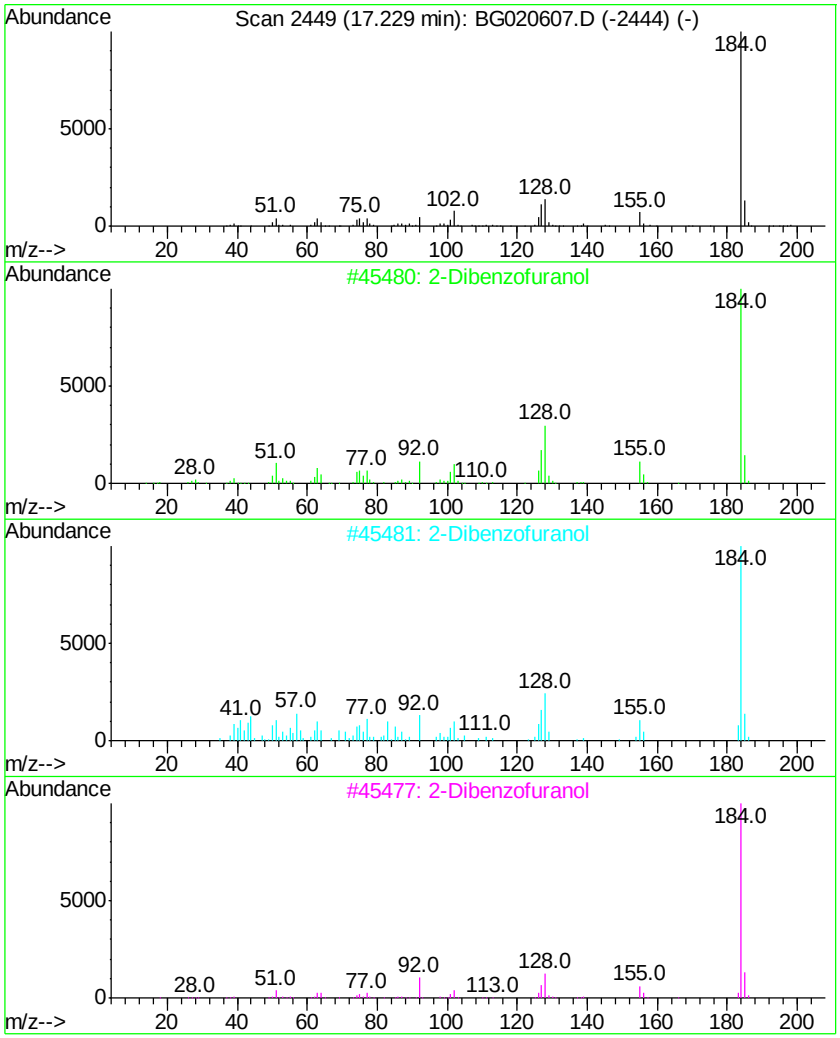

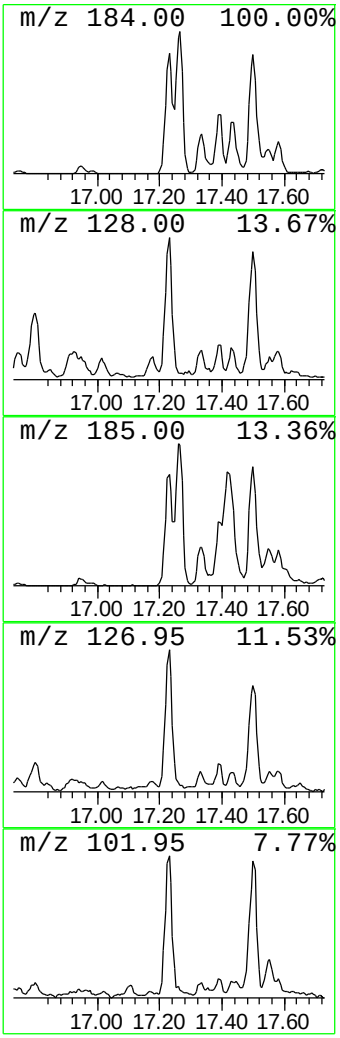

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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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Peak Number 29 Naphtho[2,3-b]thiophene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.26	15.02 ng/ul	450174	Phenanthrene-d10	17.45

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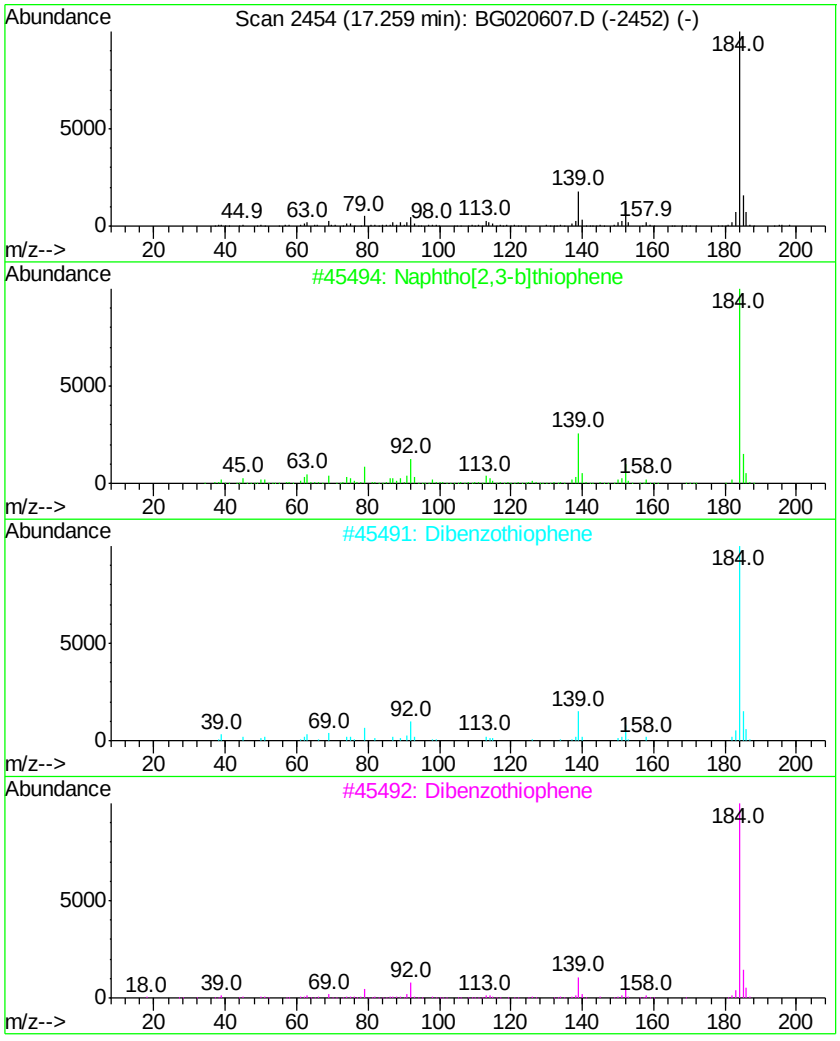

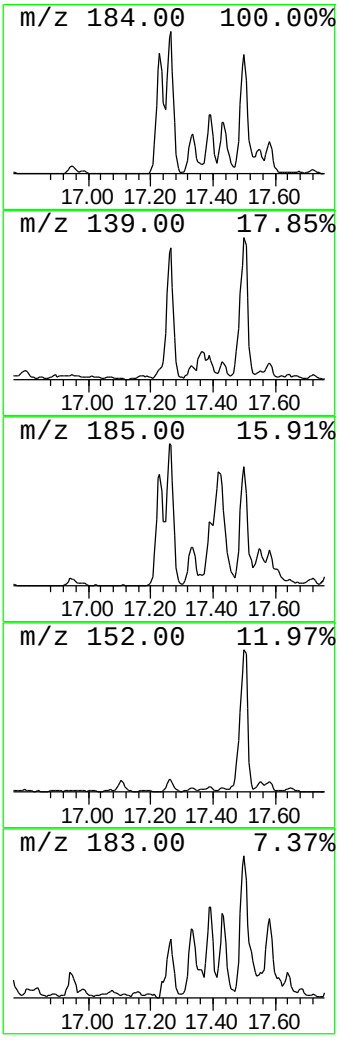

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Instrument : BNA_G
ClientSampleId : D9N54

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Quant Title : SVOA CALIBRATION

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

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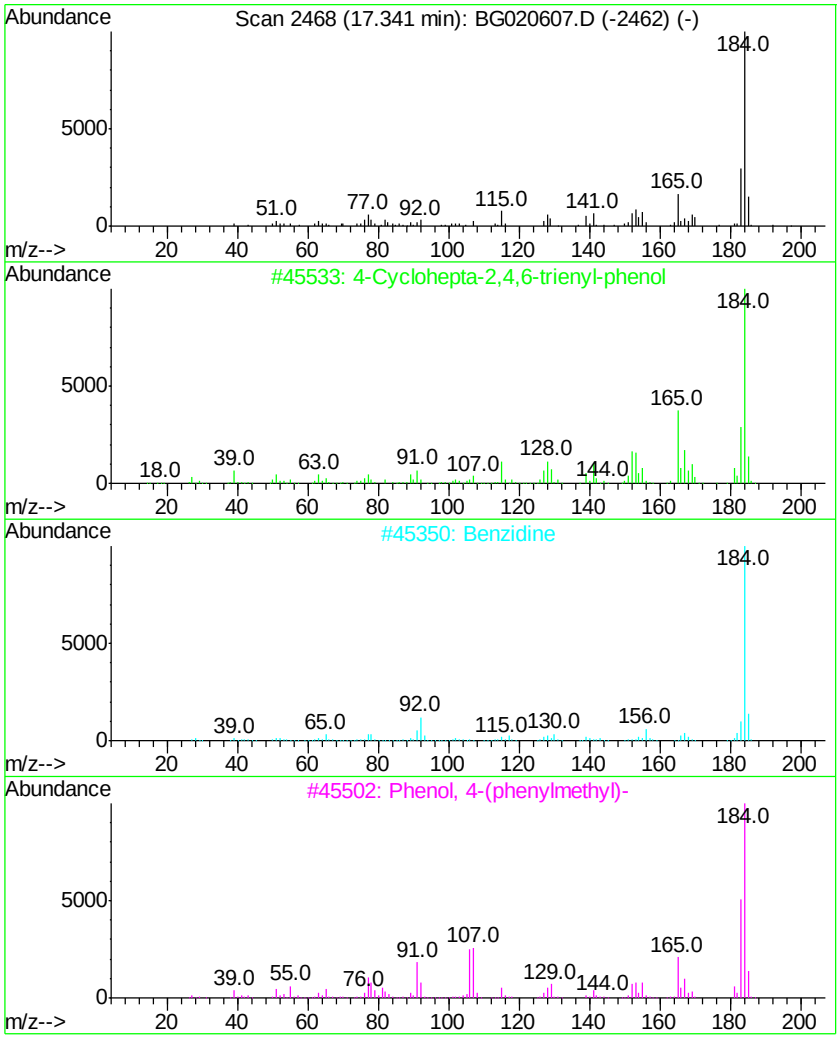
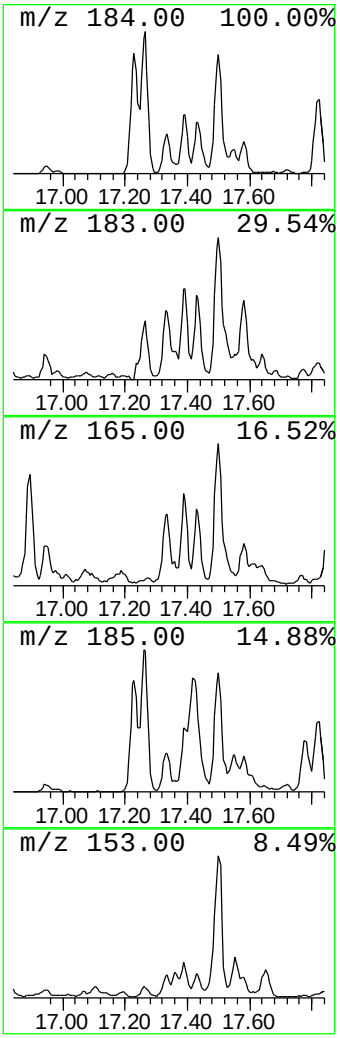
Peak Number 30 4-Cyclohepta-2,4,6-trienyl-... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.34	6.19 ng/ul	185359	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Cyclohepta-2,4,6-trienyl-phenol	184	C13H12O	091902-42-0	83
2	Benzidine	184	C12H12N2	000092-87-5	64
3	Phenol, 4-(phenylmethyl)-	184	C13H12O	000101-53-1	64
4	Benzene, 1-methyl-4-phenoxy-	184	C13H12O	001706-12-3	62
5	[1,1'-Biphenyl]-2-methanol	184	C13H12O	002928-43-0	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG123015\
Data File : BG020607.D
Acq On : 30 Dec 2015 13:57
Operator : UM/SJ
Sample : G4846-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.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
Benzofuran	7.78	20.0	ng/ul	268329	1	8.06	268329	20.0
Indane	8.43	55.5	ng/ul	744072	1	8.06	268329	20.0
Indene	8.61	225.6	ng/ul	3027180	1	8.06	268329	20.0
Naphthalene, 1-me...	12.76	2.7	ng/ul	4052890	2	10.92	30397600	20.0
1H-Inden-5-ol, 2,...	12.91	11.4	ng/ul	216001	3	14.70	378096	20.0
Cyclopropanecarbo...	13.17	15.7	ng/ul	296480	3	14.70	378096	20.0
1H-Indole, 4-methyl-	13.64	12.6	ng/ul	237586	3	14.70	378096	20.0
Naphthalene, 1-et...	13.73	23.3	ng/ul	441238	3	14.70	378096	20.0
Naphthalene, 2,7-...	13.87	41.0	ng/ul	774953	3	14.70	378096	20.0
Naphthalene, 1,6-...	14.02	37.7	ng/ul	712971	3	14.70	378096	20.0
Naphthalene, 1,7-...	14.26	13.0	ng/ul	245497	3	14.70	378096	20.0
1-Naphthalenecarb...	14.85	101.3	ng/ul	1915530	3	14.70	378096	20.0
o-Hydroxybiphenyl	14.98	59.6	ng/ul	1127570	3	14.70	378096	20.0
1-Naphthalenol, 2...	15.88	69.4	ng/ul	1312030	3	14.70	378096	20.0
unknown-01	15.96	49.6	ng/ul	937130	3	14.70	378096	20.0
9H-Fluoren-9-ol	16.04	18.3	ng/ul	345073	3	14.70	378096	20.0
1,2,3,6,7,8-Hexah...	16.12	5.8	ng/ul	172284	4	17.45	599298	20.0
Dibenzofuran, 4-m...	16.18	24.2	ng/ul	723934	4	17.45	599298	20.0
1(2H)-Acenaphthyl...	16.42	6.2	ng/ul	185590	4	17.45	599298	20.0
Anthracene, 9,10-...	16.54	10.5	ng/ul	315014	4	17.45	599298	20.0
[1,1'-Biphenyl]-3-ol	16.62	21.3	ng/ul	639540	4	17.45	599298	20.0
p-Hydroxybiphenyl	16.70	24.8	ng/ul	742449	4	17.45	599298	20.0
9H-Fluorene, 2-me...	16.74	9.2	ng/ul	276959	4	17.45	599298	20.0
Benzofuran, 3-met...	16.79	10.4	ng/ul	311962	4	17.45	599298	20.0
Phenol, 4-(phenyl...	16.95	8.1	ng/ul	243695	4	17.45	599298	20.0
9H-Fluoren-9-one	17.11	4.8	ng/ul	142690	4	17.45	599298	20.0
2-Dibenzofuranol	17.23	15.0	ng/ul	448318	4	17.45	599298	20.0
Naphtho[2,3-b]thi...	17.26	15.0	ng/ul	450174	4	17.45	599298	20.0
4-Cyclohepta-2,4,...	17.34	6.2	ng/ul	185359	4	17.45	599298	20.0