LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020560.D
Acq On : 27 Dec 2015 18:35
Operator : UM/SJ
Sample : G4846-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N53

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	7.398	769	776	783	rBV	112577	184250	0.83%	0.182%
2	7.562	797	804	807	rBV	54260	92532	0.42%	0.092%
3	7.609	807	812	822	rVV	116502	204356	0.93%	0.202%
4	8.080	884	892	898	rBV	298029	505288	2.29%	0.500%
5	8.450	947	955	961	rBV	115944	199844	0.90%	0.198%
6	8.520	961	967	973	rVV	102117	169847	0.77%	0.168%
7	8.620	976	984	995	rVV	625199	1057103	4.79%	1.046%
8	8.785	1005	1012	1017	rVV	102324	178916	0.81%	0.177%
9	8.855	1017	1024	1030	rVV	192972	369692	1.67%	0.366%
10	8.931	1030	1037	1044	rVB2	38098	85806	0.39%	0.085%
11	9.249	1084	1091	1098	rVV	149956	293062	1.33%	0.290%
12	9.560	1138	1144	1151	rVV	72892	169050	0.77%	0.167%
13	9.977	1208	1215	1222	rBV	133078	244079	1.11%	0.242%
14	10.065	1222	1230	1234	rBV	169130	355687	1.61%	0.352%
15	10.289	1259	1268	1270	rBV2	74344	135981	0.62%	0.135%
16	10.324	1270	1274	1280	rVV3	98197	268874	1.22%	0.266%
17	10.389	1280	1285	1297	rVV2	249337	507776	2.30%	0.503%
18	10.524	1301	1308	1317	rVV2	223152	496297	2.25%	0.491%
19	10.782	1342	1352	1360	rBV	54652	104147	0.47%	0.103%
20	11.017	1366	1392	1396	rBV	6043587	22083239	100.00%	21.855%
21	11.094	1399	1405	1411	rVB	717095	1217841	5.51%	1.205%
22	11.722	1506	1512	1521	rBV2	108391	188096	0.85%	0.186%
23	12.280	1601	1607	1614	rVV4	47257	90945	0.41%	0.090%
24	12.445	1630	1635	1645	rVB	87598	162846	0.74%	0.161%
25	12.568	1645	1656	1662	rBV	2882603	5543459	25.10%	5.486%
26	12.668	1665	1673	1680	rVV2	112229	253990	1.15%	0.251%
27	12.780	1680	1692	1698	rVV	1859289	3290943	14.90%	3.257%
28	12.927	1709	1717	1723	rBV2	47848	90402	0.41%	0.089%
29	13.185	1755	1761	1769	rVV4	48250	108663	0.49%	0.108%
30	13.550	1811	1823	1832	rVV	925053	1502597	6.80%	1.487%
31	13.743	1850	1856	1868	rVB	175007	387668	1.76%	0.384%
32	13.890	1868	1881	1888	rBV2	230650	672534	3.05%	0.666%
33	14.031	1899	1905	1910	rVV	393412	732562	3.32%	0.725%
34	14.090	1910	1915	1917	rVV	246917	410928	1.86%	0.407%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020560.D
Acq On : 27 Dec 2015 18:35
Operator : UM/SJ
Sample : G4846-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N53

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	14.120	1917	1920	1926	rVV	413202	585303	2.65%	0.579%
36	14.272	1940	1946	1949	rBV	157680	262513	1.19%	0.260%
37	14.302	1949	1951	1957	rVB	67289	86546	0.39%	0.086%
38	14.413	1962	1970	1972	rVV	448054	782820	3.54%	0.775%
39	14.437	1972	1974	1983	rVB	417076	547510	2.48%	0.542%
40	14.719	2007	2022	2028	rVV3	693796	1602507	7.26%	1.586%
41	14.801	2028	2036	2041	rVV	4059819	8134028	36.83%	8.050%
42	14.860	2041	2046	2051	rVV	767250	1227613	5.56%	1.215%
43	14.913	2051	2055	2063	rVV6	73059	169618	0.77%	0.168%
44	15.001	2063	2070	2078	rVV3	206691	584027	2.64%	0.578%
45	15.130	2083	2092	2098	rVV2	2576025	4898094	22.18%	4.848%
46	15.318	2117	2124	2131	rBV3	47239	100997	0.46%	0.100%
47	15.706	2185	2190	2195	rVV	575895	967329	4.38%	0.957%
48	15.776	2195	2202	2208	rVV	2964376	5151370	23.33%	5.098%
49	15.841	2208	2213	2217	rVV4	208838	410062	1.86%	0.406%
50	15.888	2217	2221	2224	rVV3	255032	462211	2.09%	0.457%
51	15.923	2224	2227	2231	rVV3	256284	418625	1.90%	0.414%
52	15.970	2231	2235	2239	rVV5	141782	314695	1.43%	0.311%
53	16.006	2239	2241	2245	rVV	143695	223587	1.01%	0.221%
54	16.053	2245	2249	2258	rVV	230842	351540	1.59%	0.348%
55	16.194	2265	2273	2285	rVV2	286075	737573	3.34%	0.730%
56	16.552	2327	2334	2339	rBV	240654	369313	1.67%	0.366%
57	16.640	2345	2349	2356	rVB	109386	190336	0.86%	0.188%
58	16.716	2356	2362	2366	rBV	179307	328401	1.49%	0.325%
59	16.758	2366	2369	2374	rVV	148472	230630	1.04%	0.228%
60	16.810	2374	2378	2388	rVB2	74563	149355	0.68%	0.148%
61	16.910	2388	2395	2399	rBV	66276	98375	0.45%	0.097%
62	17.116	2421	2430	2437	rVB	101576	191795	0.87%	0.190%
63	17.245	2448	2452	2454	rBV	92809	131014	0.59%	0.130%
64	17.281	2454	2458	2466	rVB	425081	641167	2.90%	0.635%
65	17.469	2483	2490	2493	rVV	837961	1636918	7.41%	1.620%
66	17.527	2493	2500	2504	rVV	3840762	7323830	33.16%	7.248%
67	17.568	2504	2507	2510	rVV	748444	1024968	4.64%	1.014%
68	17.598	2510	2512	2518	rVB	300633	359421	1.63%	0.356%
69	17.827	2546	2551	2553	rBV	94670	137635	0.62%	0.136%
70	17.880	2553	2560	2566	rVB	1938261	3266058	14.79%	3.232%
71	17.956	2567	2573	2580	rBV3	167040	386594	1.75%	0.383%

LSC Area Percent Report

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Data File : BG020560.D
Acq On : 27 Dec 2015 18:35
Operator : UM/SJ
Sample : G4846-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N53

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	18.021	2580	2584	2590	rVB	222126	319536	1.45%	0.316%
73	18.103	2590	2598	2603	rBV3	82834	179921	0.81%	0.178%
74	18.297	2626	2631	2634	rBV	112363	160471	0.73%	0.159%
75	18.332	2634	2637	2641	rVB	112819	131788	0.60%	0.130%
76	18.379	2641	2645	2652	rVB	557357	837118	3.79%	0.828%
77	18.456	2652	2658	2664	rVB3	155859	272805	1.24%	0.270%
78	18.532	2664	2671	2680	rBV2	384734	693706	3.14%	0.687%
79	18.632	2680	2688	2692	rBV2	221307	457119	2.07%	0.452%
80	18.679	2692	2696	2700	rVV	215153	279848	1.27%	0.277%
81	18.767	2706	2711	2717	rBV2	233700	362299	1.64%	0.359%
82	18.820	2717	2720	2725	rVB2	126912	177755	0.80%	0.176%
83	18.879	2725	2730	2733	rBV	147972	221132	1.00%	0.219%
84	19.131	2770	2773	2780	rVV5	56198	122722	0.56%	0.121%
85	19.343	2800	2809	2814	rBV6	62021	168096	0.76%	0.166%
86	19.507	2830	2837	2843	rVB	793925	1186626	5.37%	1.174%
87	19.701	2865	2870	2874	rBV3	72801	130352	0.59%	0.129%
88	19.754	2875	2879	2883	rVV3	45950	89142	0.40%	0.088%
89	19.842	2887	2894	2897	rVV	835278	1372098	6.21%	1.358%
90	19.872	2897	2899	2906	rVV	544569	698259	3.16%	0.691%
91	20.248	2958	2963	2969	rVB	309585	431524	1.95%	0.427%
92	20.312	2969	2974	2979	rBV	120019	198432	0.90%	0.196%
93	20.459	2992	2999	3003	rVB3	46836	84069	0.38%	0.083%
94	20.970	3082	3086	3094	rVB3	62573	122833	0.56%	0.122%
95	21.346	3147	3150	3157	rVV2	63867	92502	0.42%	0.092%
96	21.740	3207	3217	3231	rBV	1215647	2215635	10.03%	2.193%
97	22.151	3280	3287	3293	rBV	56209	99042	0.45%	0.098%
98	22.386	3318	3327	3333	rBV2	38568	90947	0.41%	0.090%
99	24.783	3722	3735	3756	rBV	394146	1170992	5.30%	1.159%
100	25.019	3760	3775	3795	rBV2	590031	1831717	8.29%	1.813%

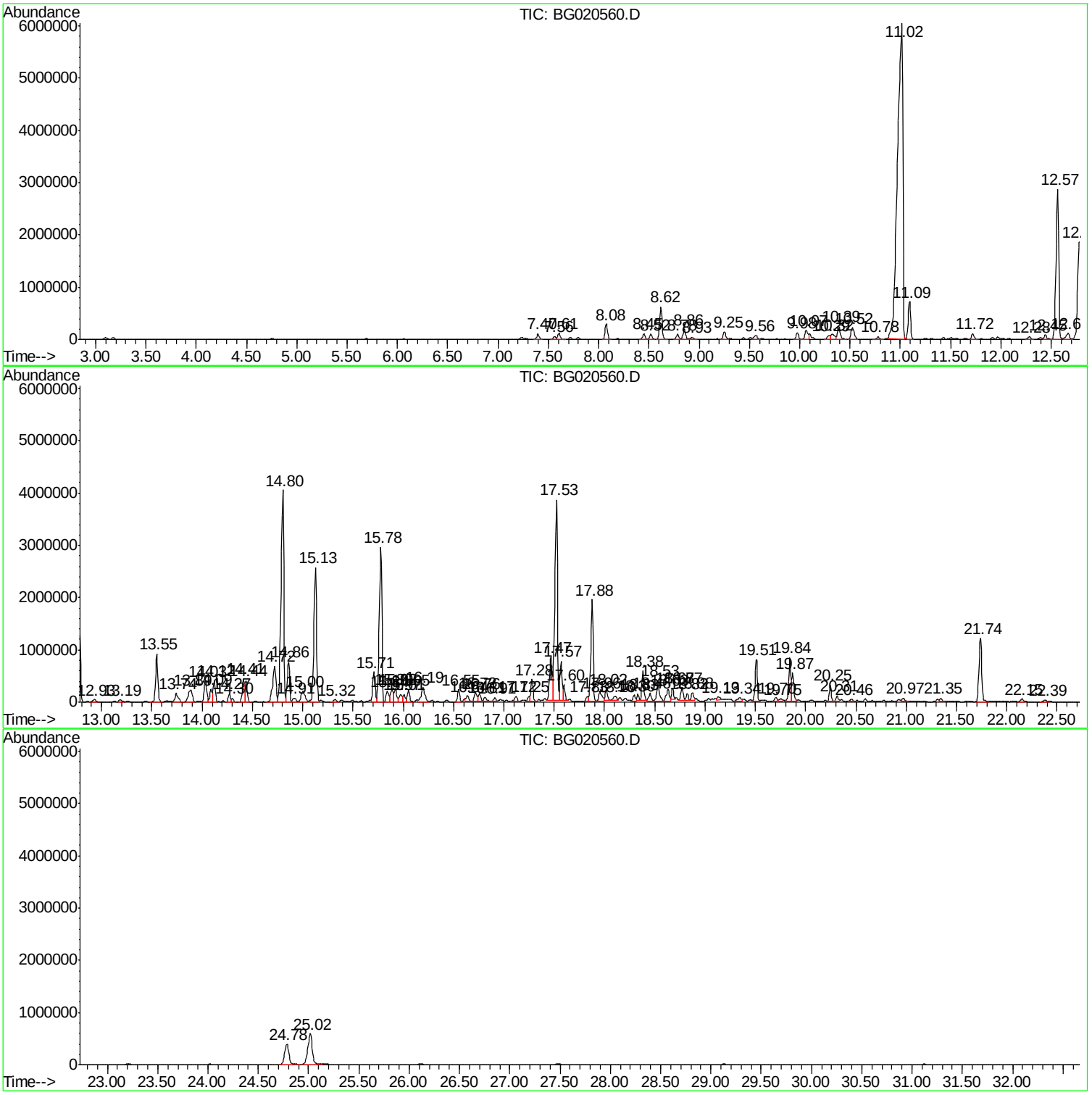
Sum of corrected areas: 101042164

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020560.D
Acq On : 27 Dec 2015 18:35
Operator : UM/SJ
Sample : G4846-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N53

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\BG122615\
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Sample : G4846-07
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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

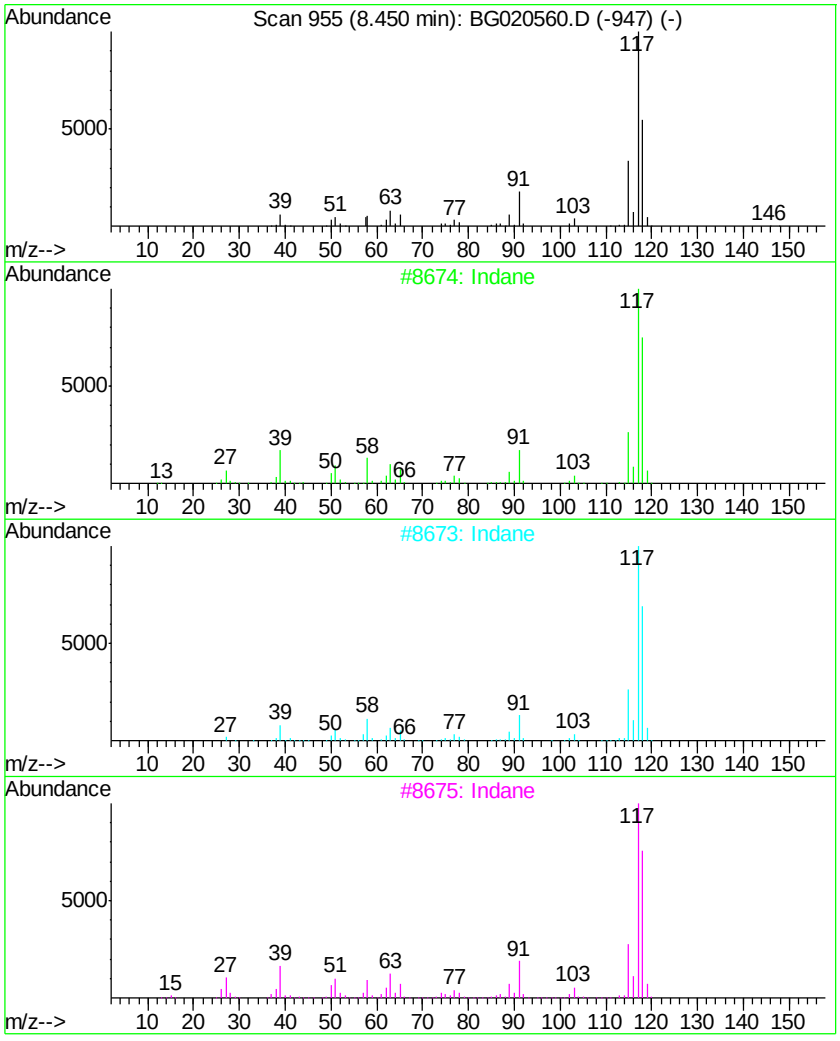
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

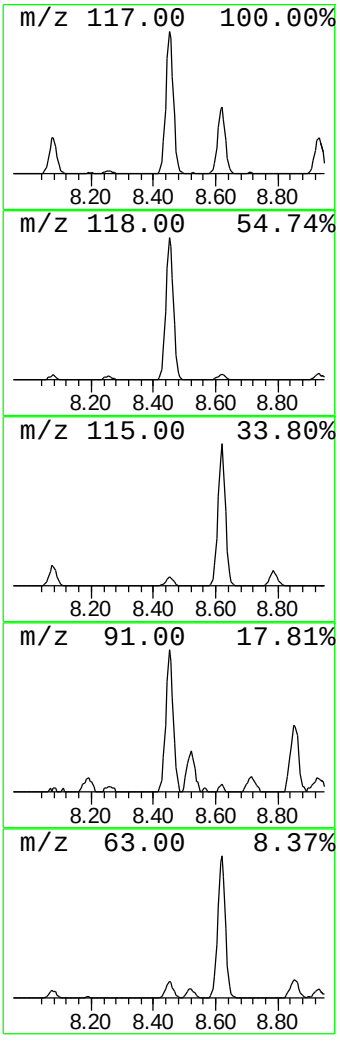
****

Peak Number 1 Indane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	7.91 ng/ul	199844	1,4-Dichlorobenzene-d4	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	91
2	Indane	118	C9H10	000496-11-7	91
3	Indane	118	C9H10	000496-11-7	90
4	Indane	118	C9H10	000496-11-7	87
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	81





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020560.D
Acq On : 27 Dec 2015 18:35
Operator : UM/SJ
Sample : G4846-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N53

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

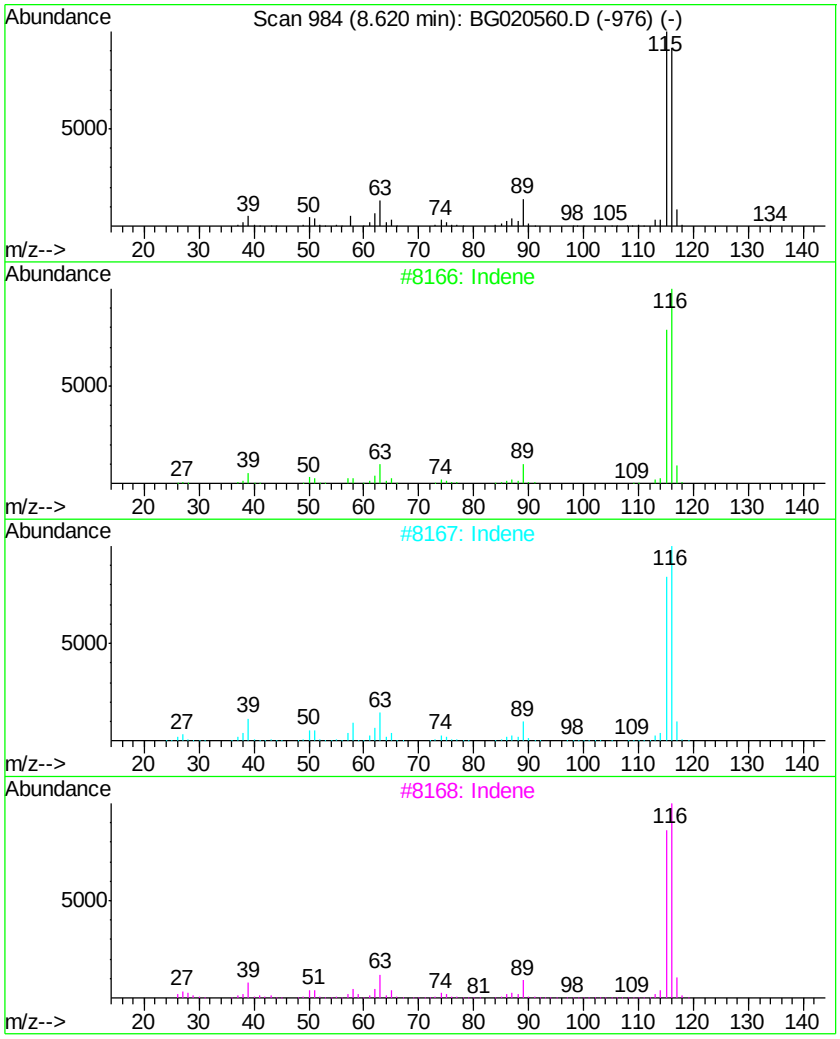
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

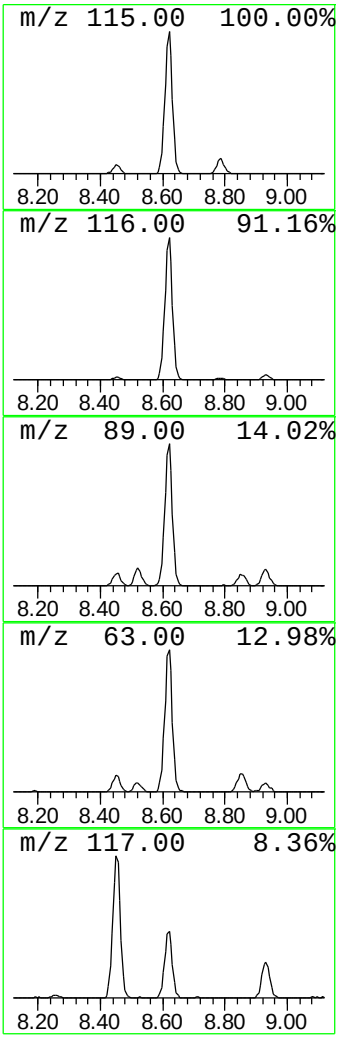
****

Peak Number 2 Indene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.62	41.84 ng/ul	1057100	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	94
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020560.D
Acq On : 27 Dec 2015 18:35
Operator : UM/SJ
Sample : G4846-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N53

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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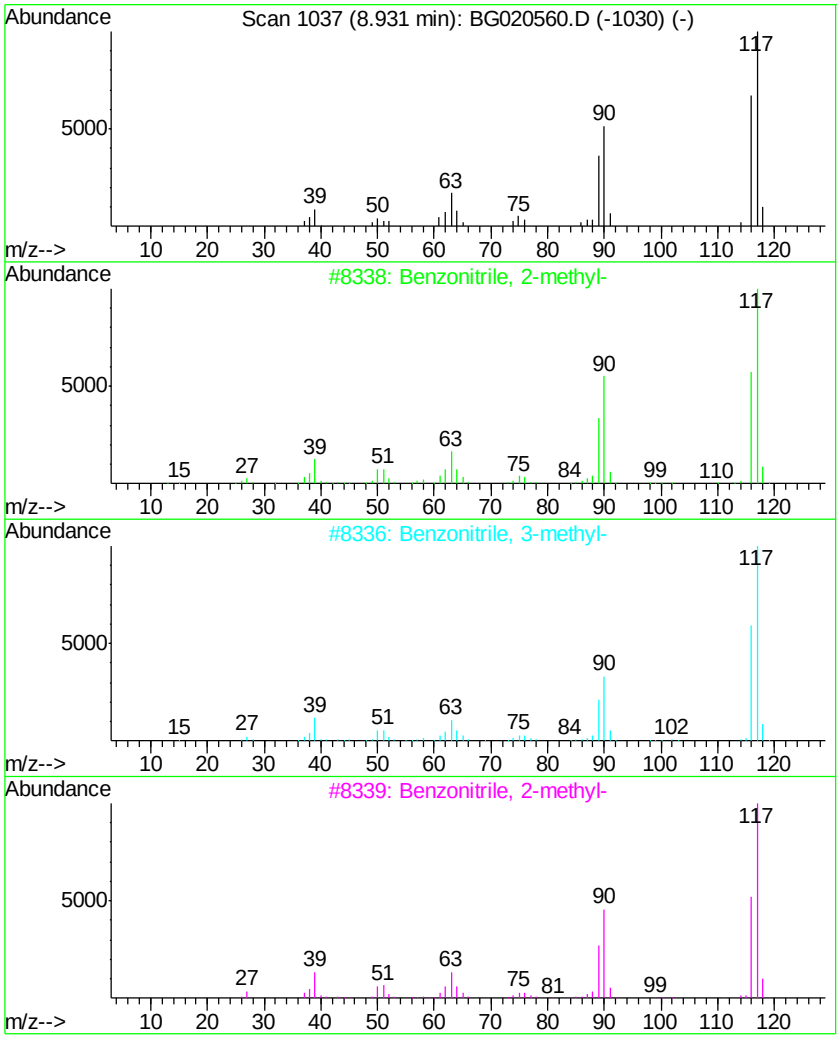
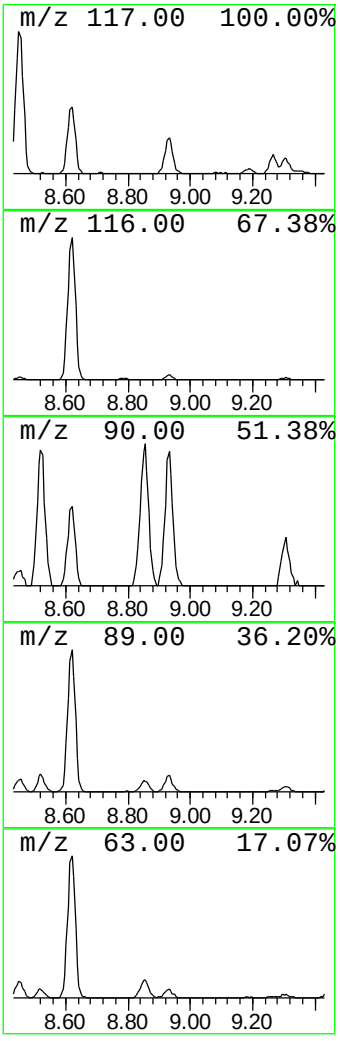
Peak Number 3 Benzonitrile, 2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.93	3.40 ng/ul	85806	1,4-Dichlorobenzene-d4	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzonitrile, 2-methyl-	117	C8H7N	000529-19-1	97
2	Benzonitrile, 3-methyl-	117	C8H7N	000620-22-4	96
3	Benzonitrile, 2-methyl-	117	C8H7N	000529-19-1	96
4	Benzonitrile, 4-methyl-	117	C8H7N	000104-85-8	96
5	Benzonitrile, 4-methyl-	117	C8H7N	000104-85-8	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020560.D
Acq On : 27 Dec 2015 18:35
Operator : UM/SJ
Sample : G4846-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N53

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

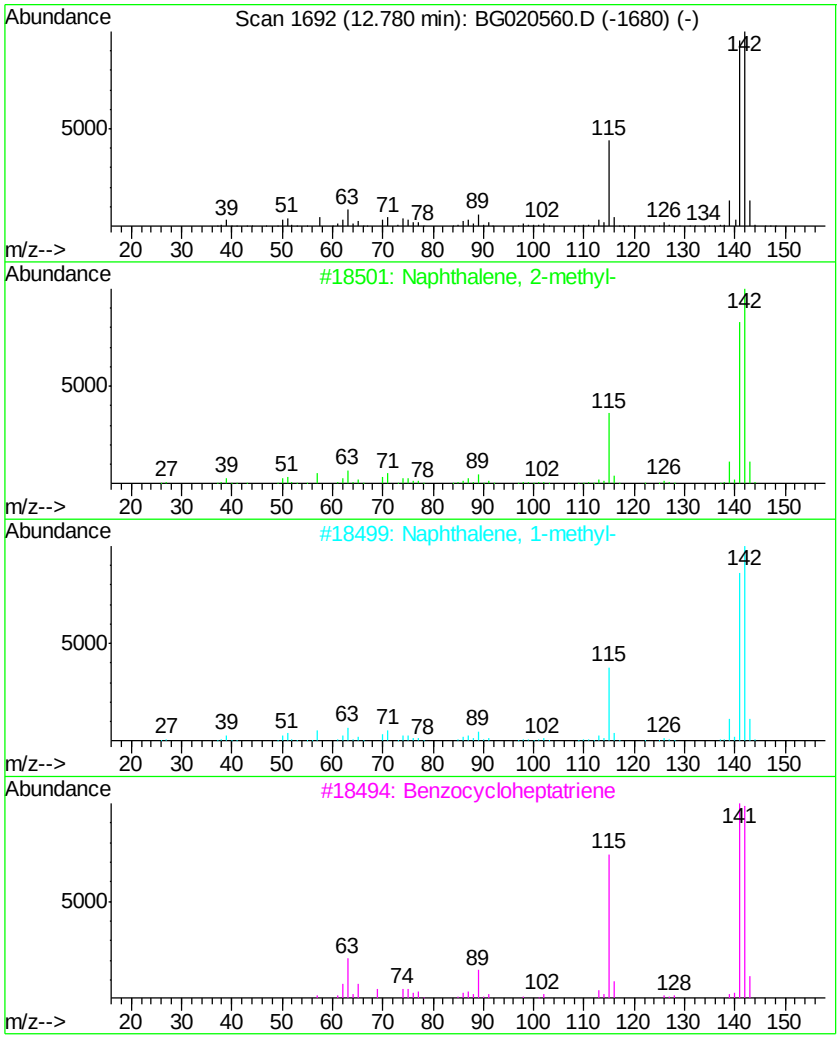
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

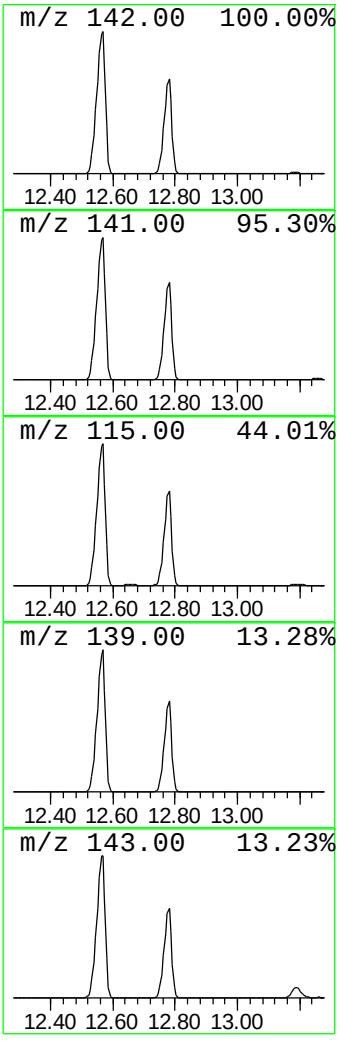
****

Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	2.98 ng/ul	3290940	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	Benzocycloheptatriene	142	C11H10	000264-09-5	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020560.D
Acq On : 27 Dec 2015 18:35
Operator : UM/SJ
Sample : G4846-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N53

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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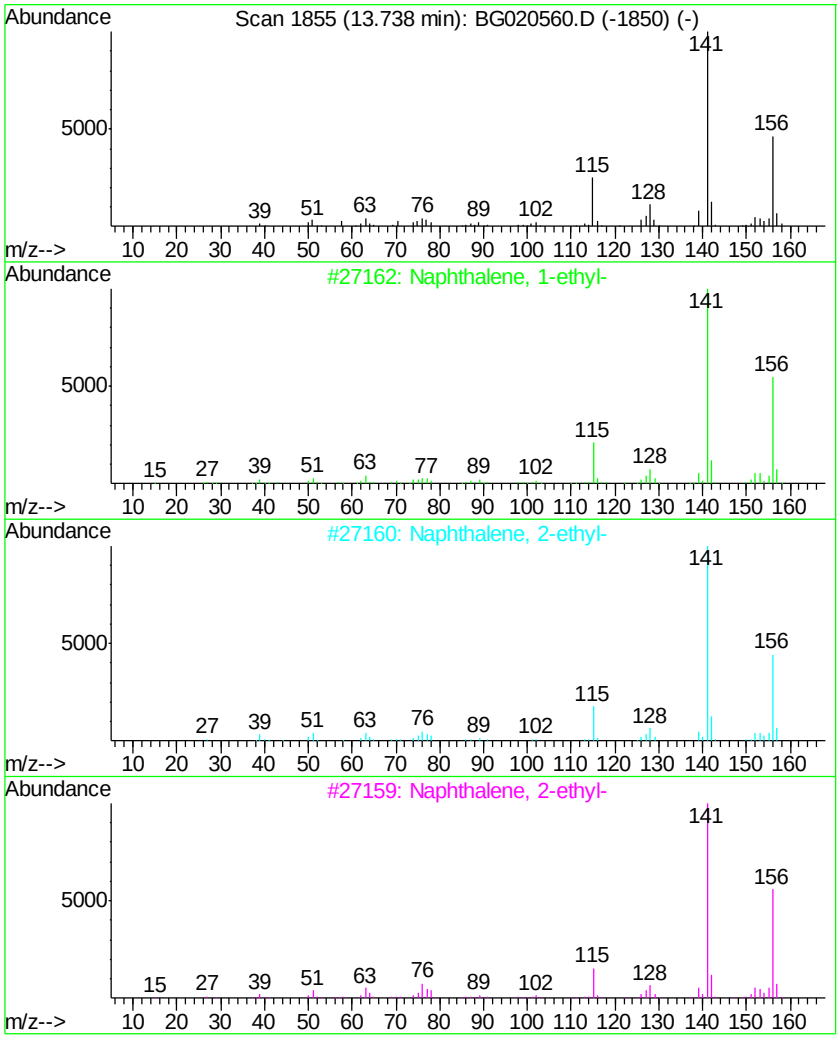
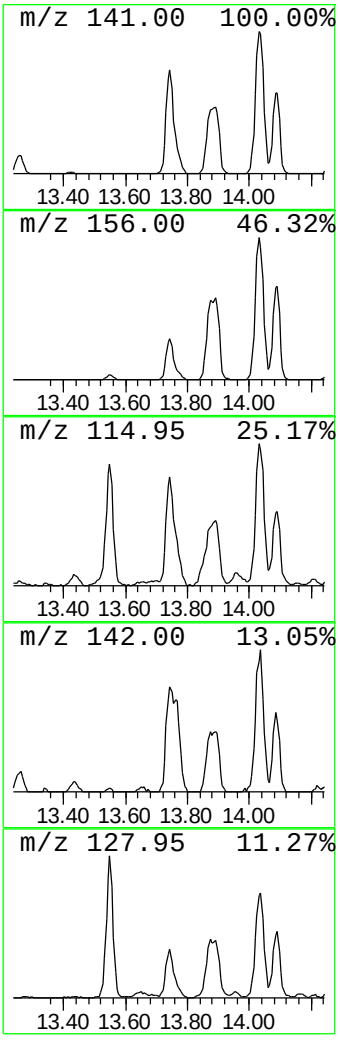
Peak Number 5 Naphthalene, 1-ethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	4.84 ng/ul	387668	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	94
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





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020560.D
Acq On : 27 Dec 2015 18:35
Operator : UM/SJ
Sample : G4846-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N53

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Quant Title : SVOA CALIBRATION

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

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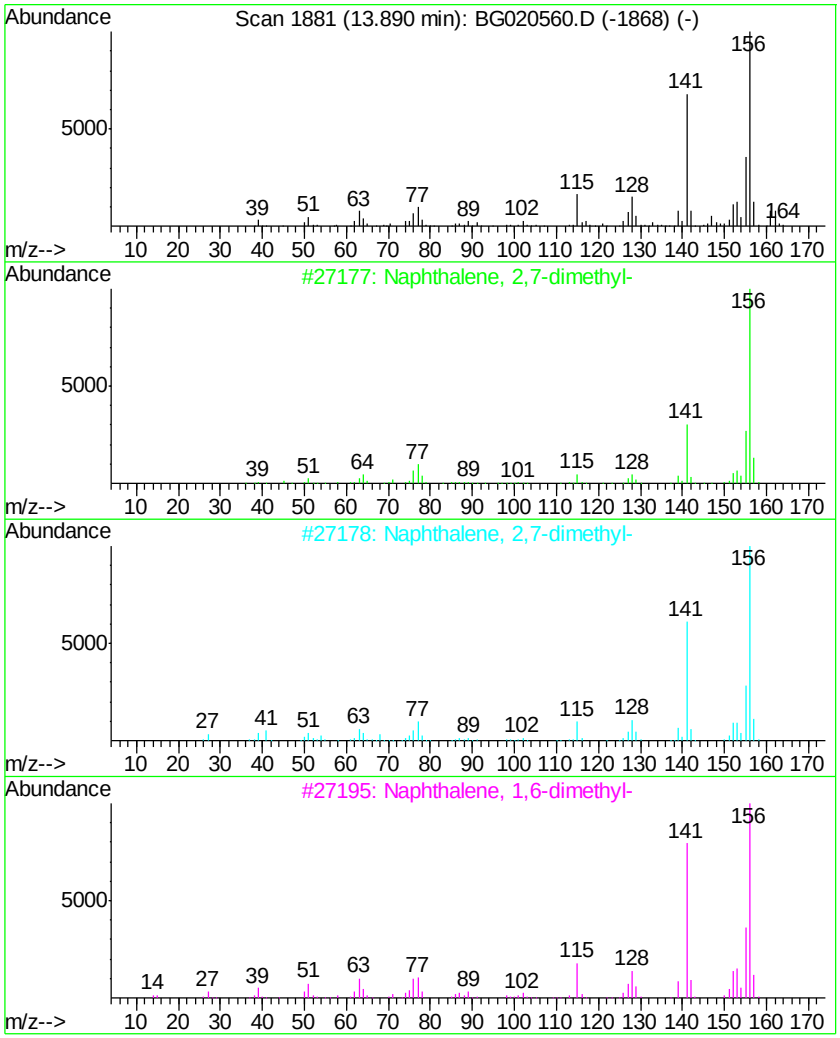
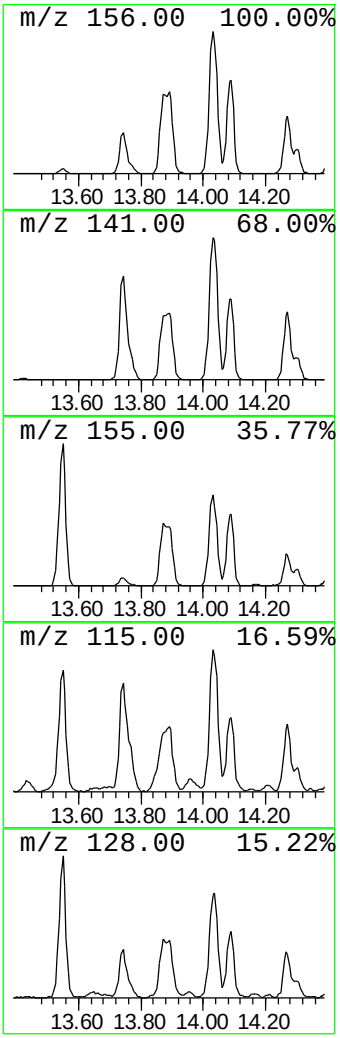
Peak Number 6 Naphthalene, 2,7-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	8.39 ng/ul	672534	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





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Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N53

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Quant Title : SVOA CALIBRATION

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

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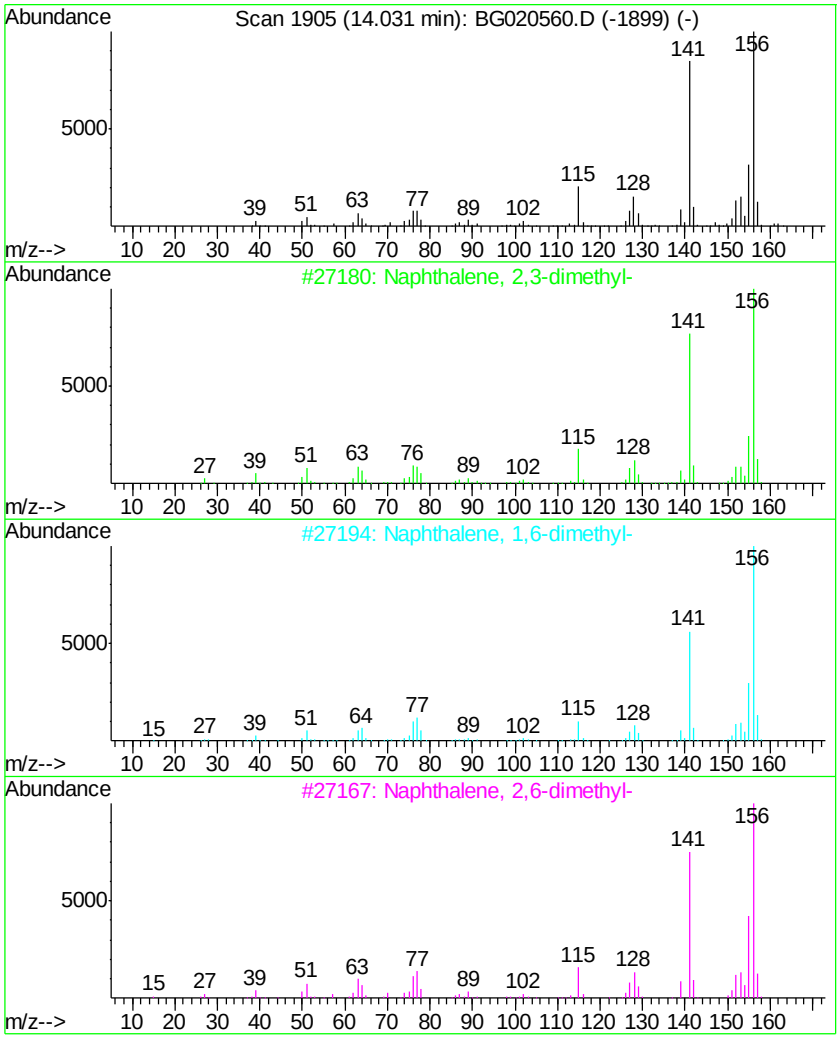
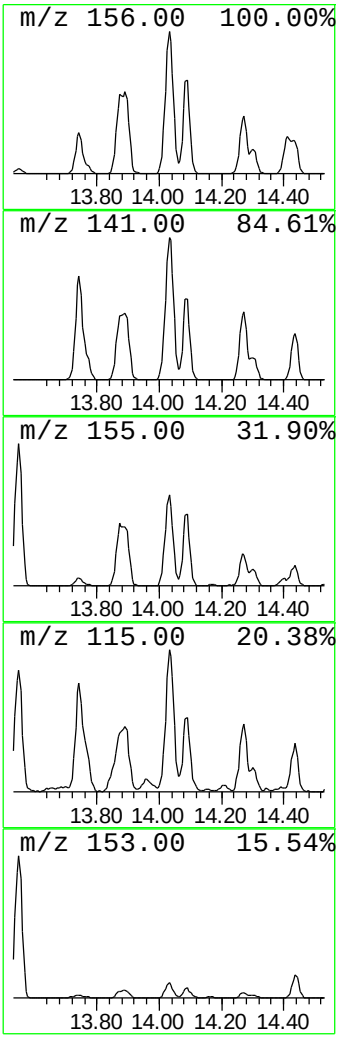
Peak Number 7 Naphthalene, 2,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.03	9.14 ng/ul	732562	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, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





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Instrument : BNA_G
ClientSampleId : D9N53

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Quant Title : SVOA CALIBRATION

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

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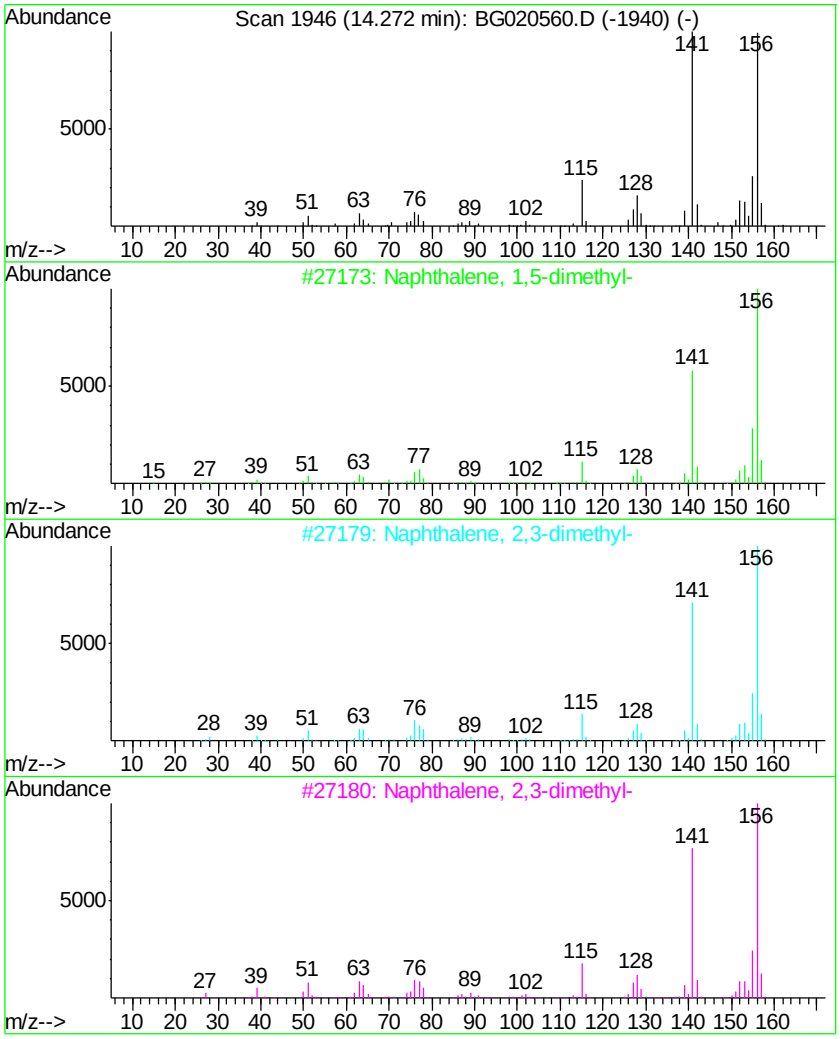
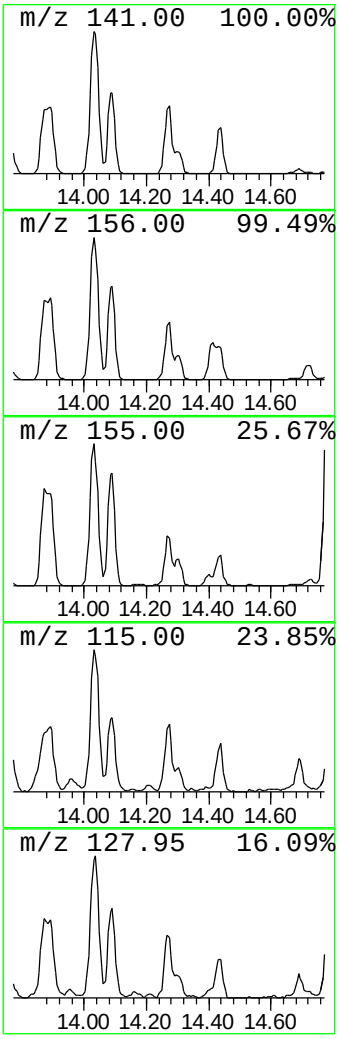
Peak Number 8 Naphthalene, 1,5-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	3.28 ng/ul	262513	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	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, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





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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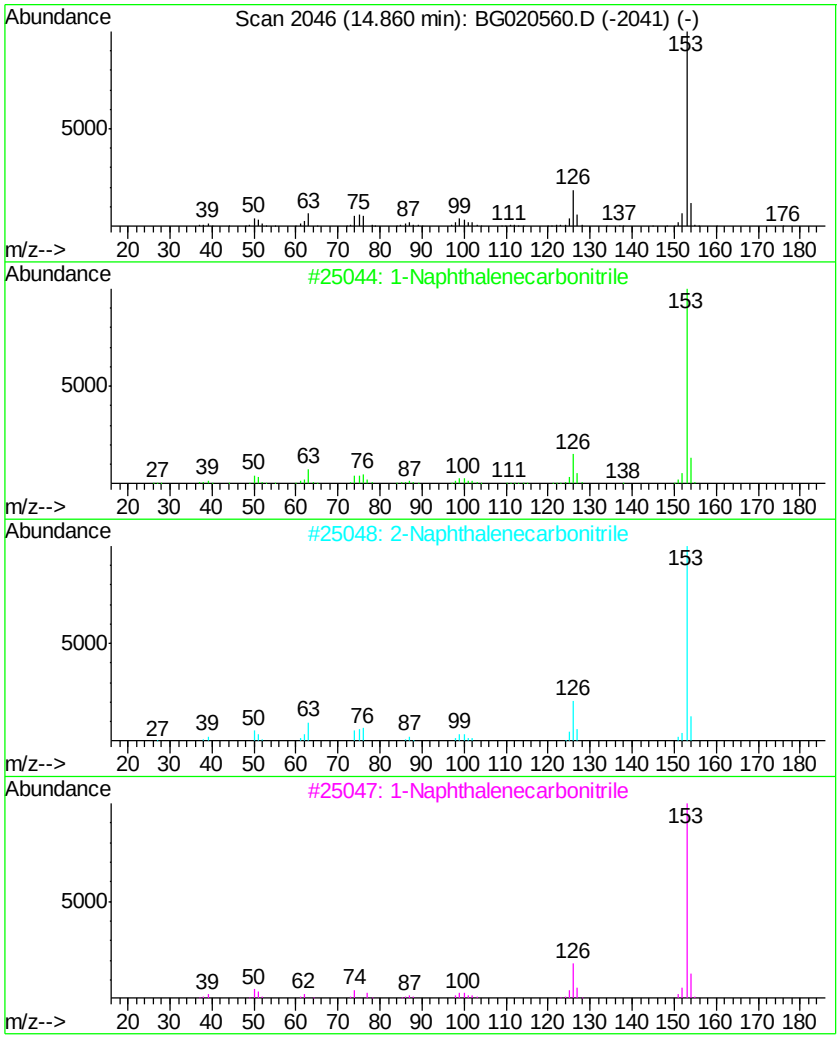
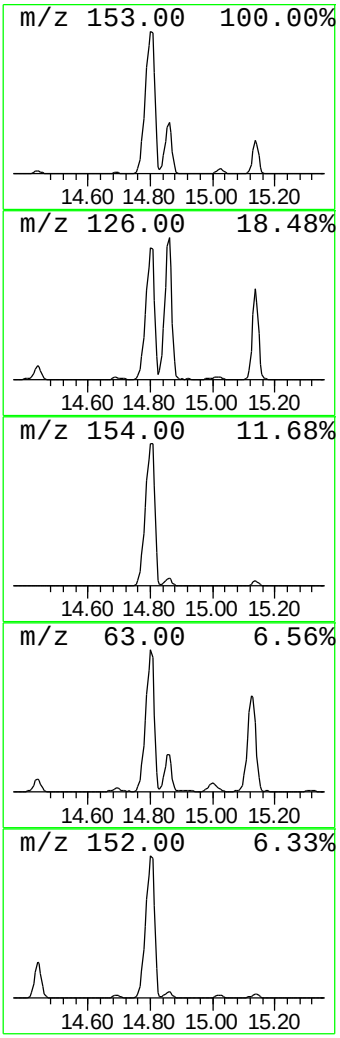
Peak Number 9 1-Naphthalenecarbonitrile Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	15.32 ng/ul	1227610	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	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
4	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
5	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	91





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ClientSampleId : D9N53

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Quant Title : SVOA CALIBRATION

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

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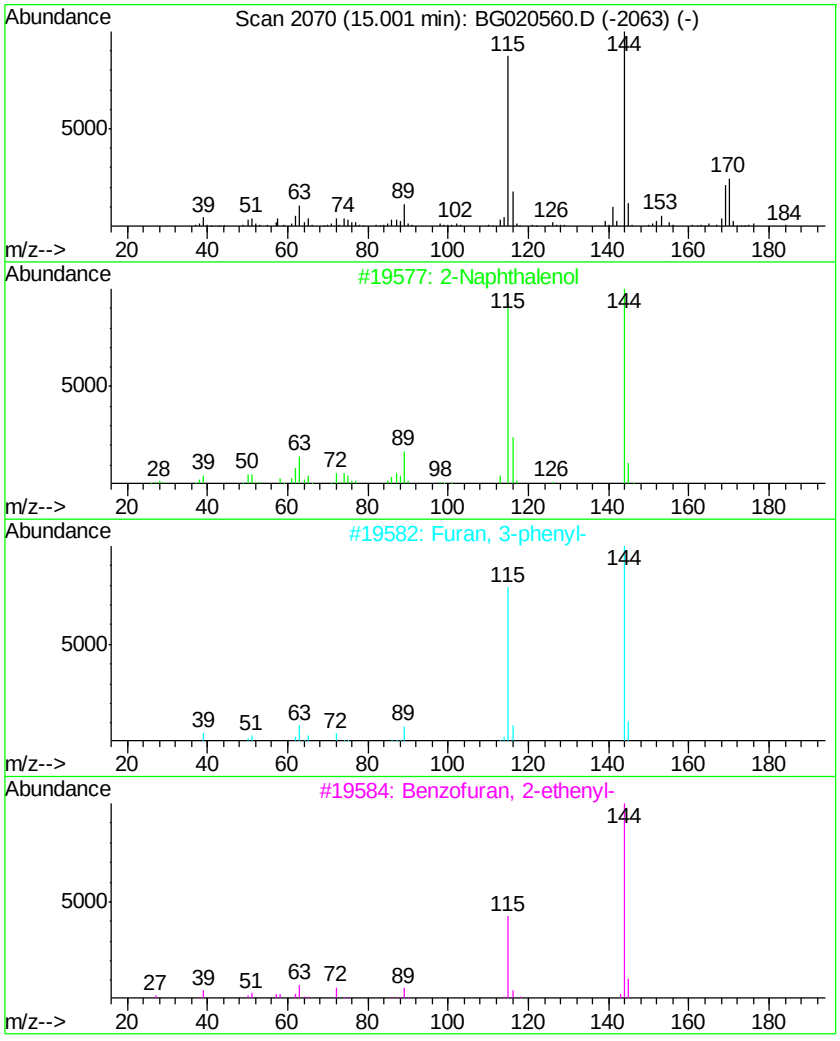
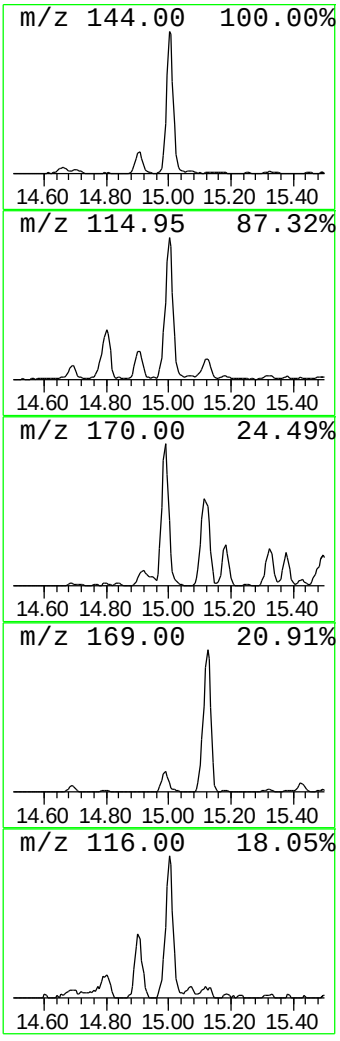
Peak Number 10 2-Naphthalenol Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.00	7.29 ng/ul	584027	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenol	144	C10H8O	000135-19-3	95
2	Furan, 3-phenyl-	144	C10H8O	013679-41-9	76
3	Benzofuran, 2-ethenyl-	144	C10H8O	007522-79-4	68
4	1-Naphthalenol	144	C10H8O	000090-15-3	62
5	2-Naphthalenol	144	C10H8O	000135-19-3	60





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Quant Title : SVOA CALIBRATION

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

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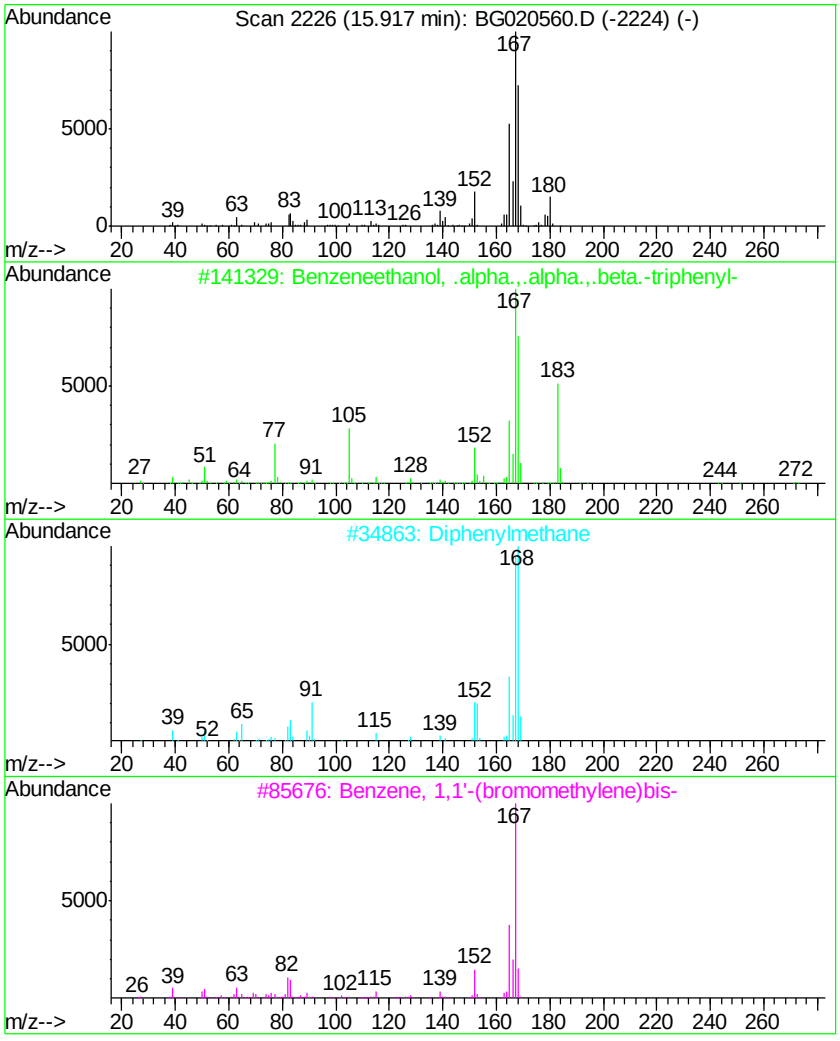
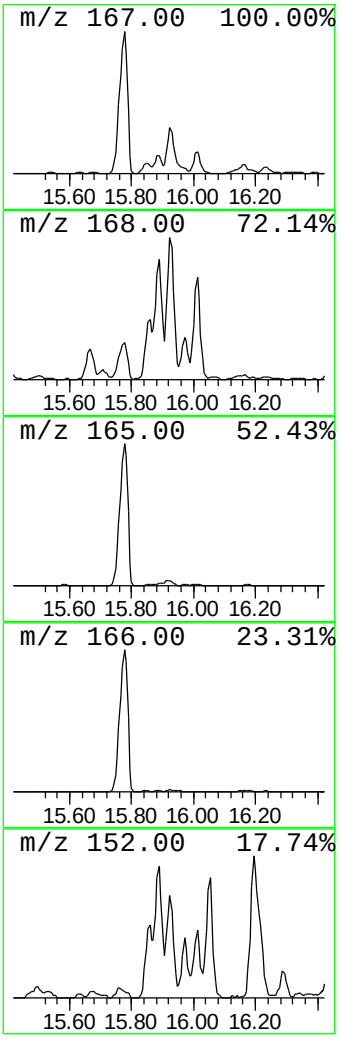
Peak Number 11 Benzeneethanol, .alpha.,.al... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	5.22 ng/ul	418625	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneethanol, .alpha.,.alpha.,...	350	C26H22O	000981-24-8	90
2	Diphenylmethane	168	C13H12	000101-81-5	72
3	Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	59
4	Diphenylmethoxy acetic acid	242	C15H14O3	021409-25-6	53
5	Benzeneacetaldehyde, .alpha.-phe...	196	C14H12O	000947-91-1	53





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ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N53

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Quant Title : SVOA CALIBRATION

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

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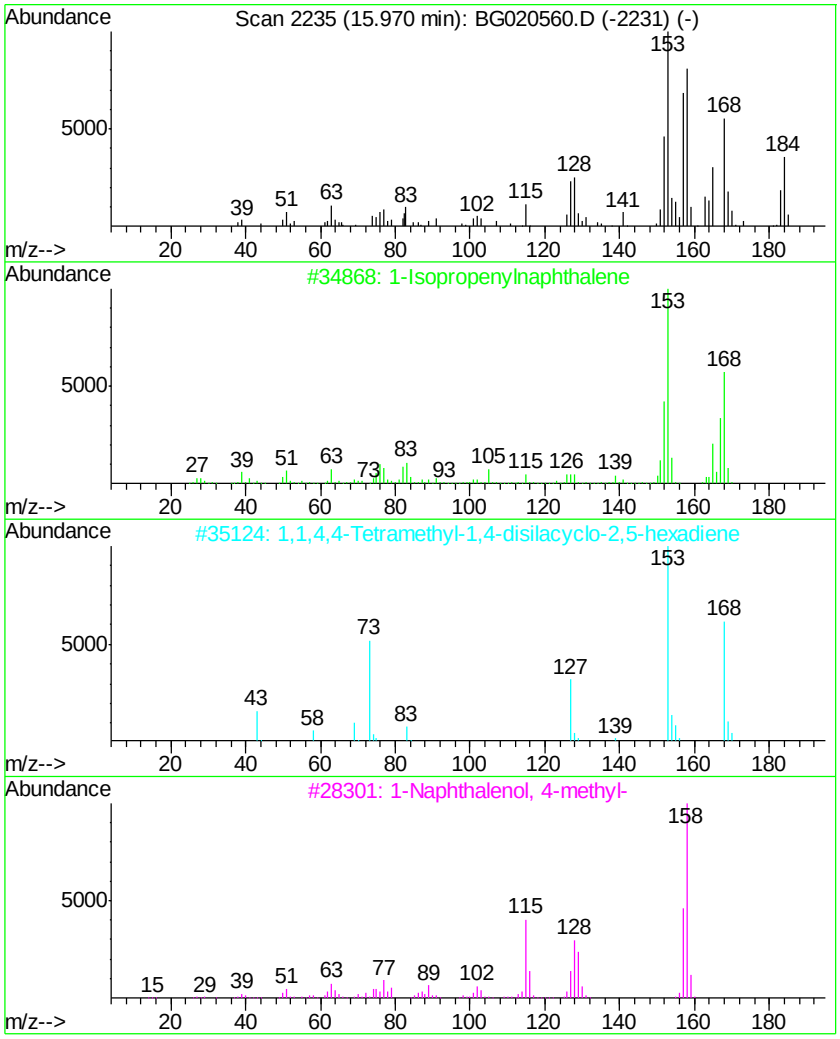
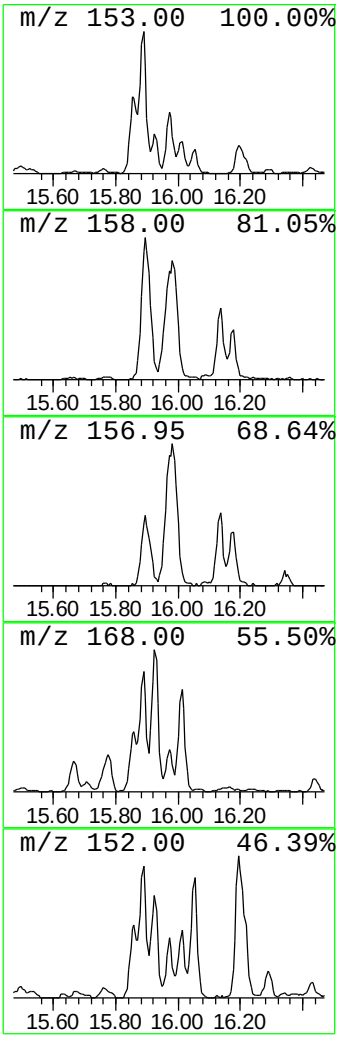
Peak Number 12 unknown-01 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	3.93 ng/ul	314695	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	38
2	1,1,4,4-Tetramethyl-1,4-disilacy...	168	C8H16Si2	020627-53-6	30
3	1-Naphthalenol, 4-methyl-	158	C11H10O	010240-08-1	22
4	Benzene, 1,3-bis(1-methylethenyl)-	158	C12H14	003748-13-8	18
5	Cyclobuta[b]quinoxaline, 1,2,2a,...	158	C10H10N2	021943-51-1	14





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Instrument : BNA_G
ClientSampleId : D9N53

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Quant Title : SVOA CALIBRATION

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

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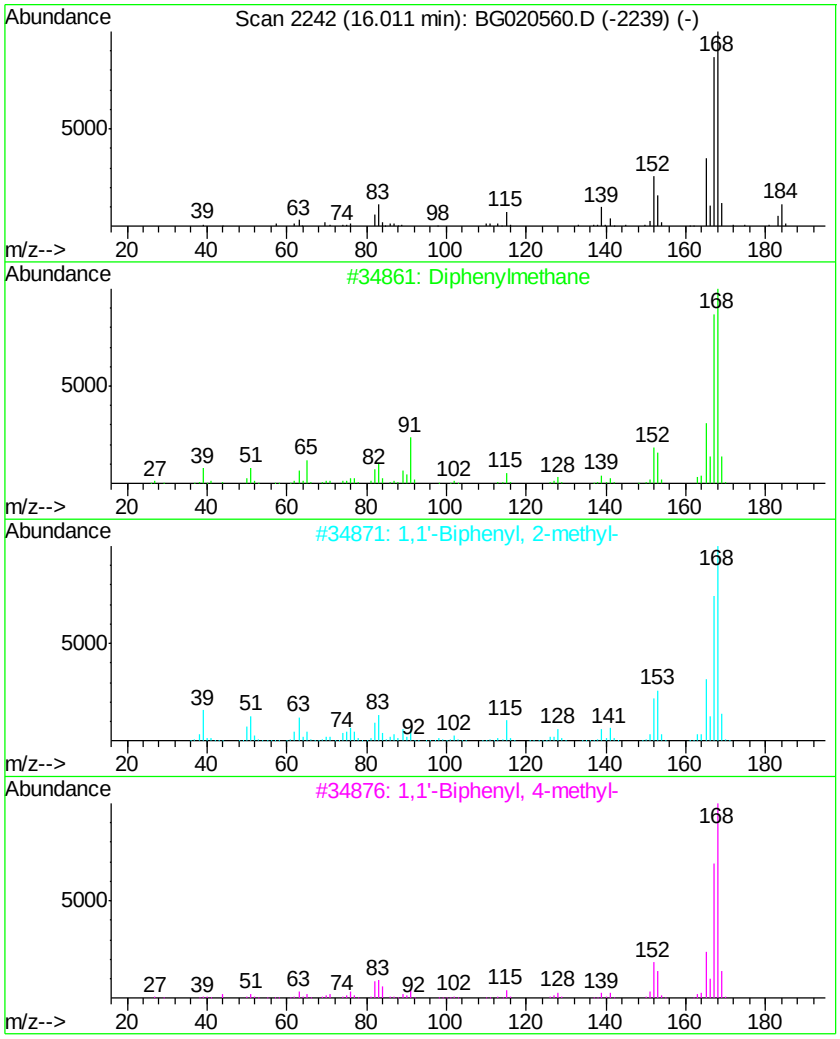
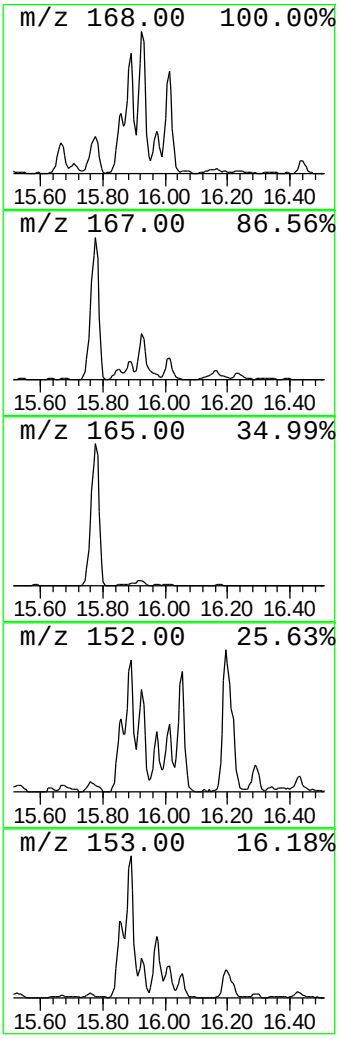
Peak Number 13 Diphenylmethane Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.01	2.79 ng/ul	223587	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	83
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	81
3	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	81
4	Diphenylmethane	168	C13H12	000101-81-5	81
5	Benzeneethanol, .alpha.,.alpha.,...	350	C26H22O	000981-24-8	78





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Quant Title : SVOA CALIBRATION

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

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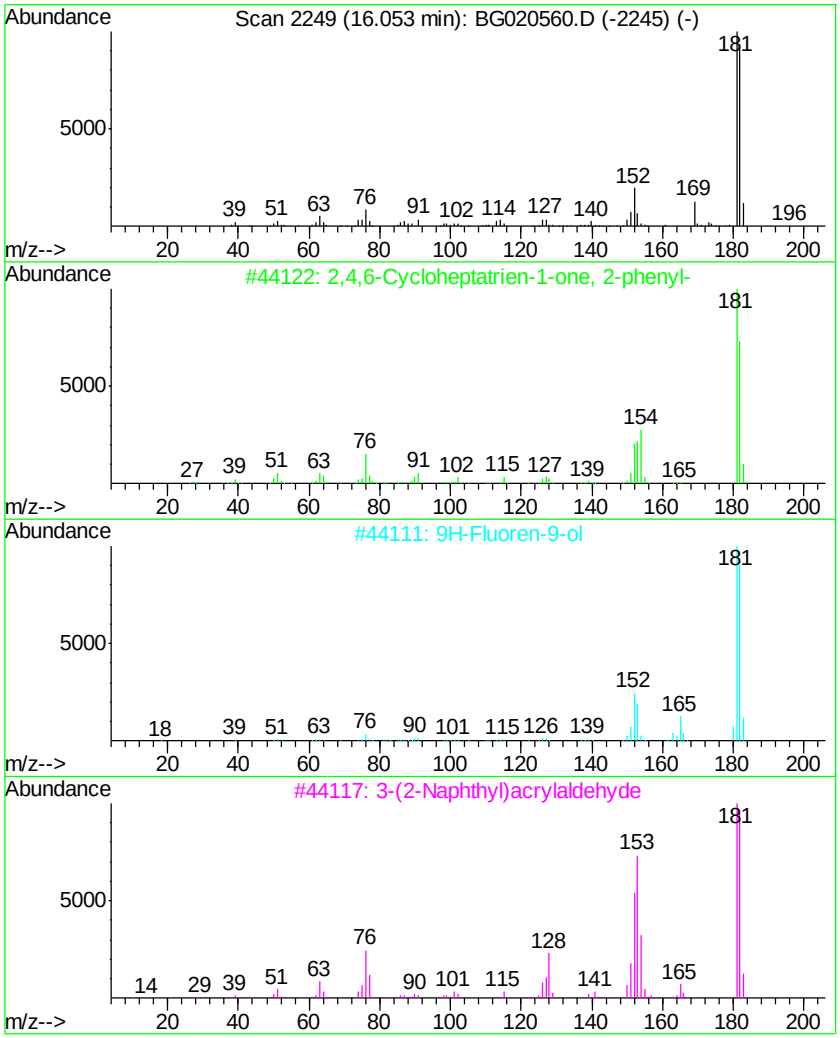
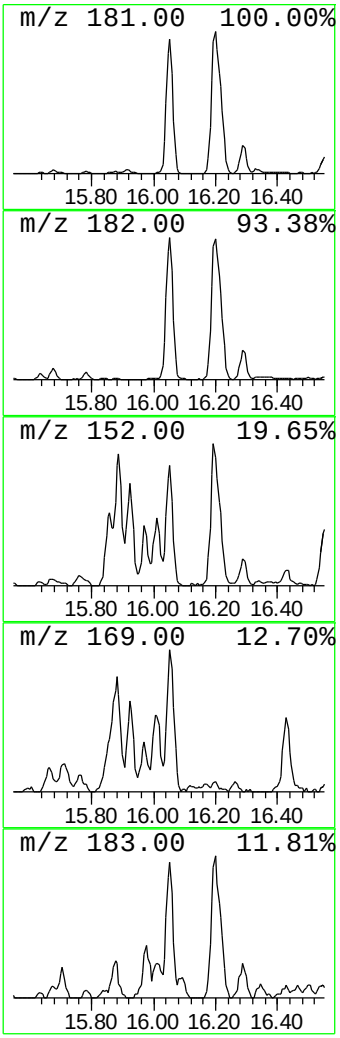
Peak Number 14 2,4,6-Cycloheptatrien-1-one... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	4.39 ng/ul	351540	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	78
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
3	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	64
4	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	59
5	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	53





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Quant Title : SVOA CALIBRATION

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

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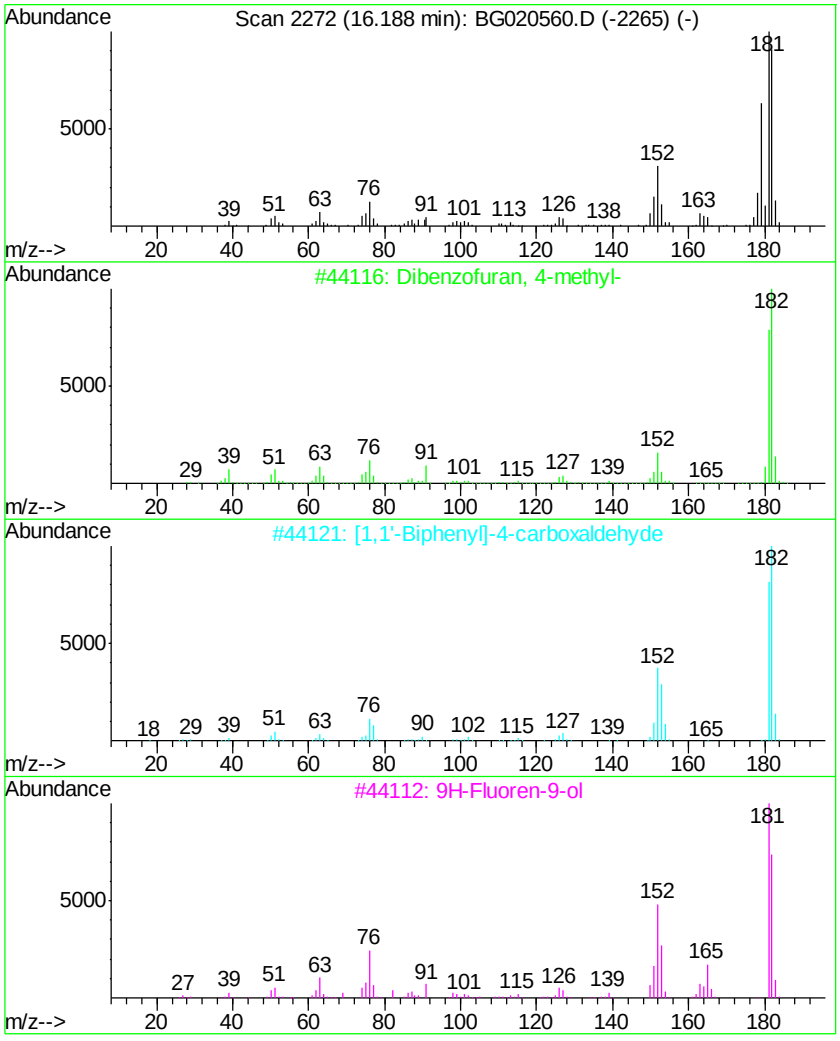
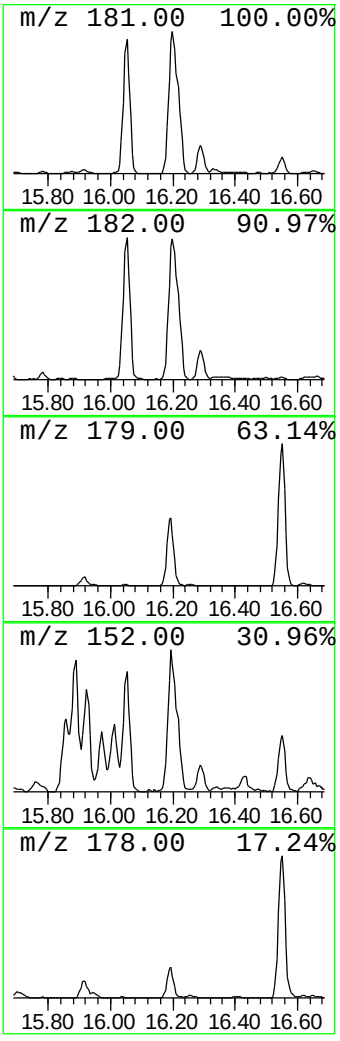
Peak Number 15 Dibenzofuran, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.19	9.01 ng/ul	737573	Phenanthrene-d10	17.47

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	70
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64
4	2-Hydroxyfluorene	182	C13H10O	002443-58-5	60
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	59





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Quant Title : SVOA CALIBRATION

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

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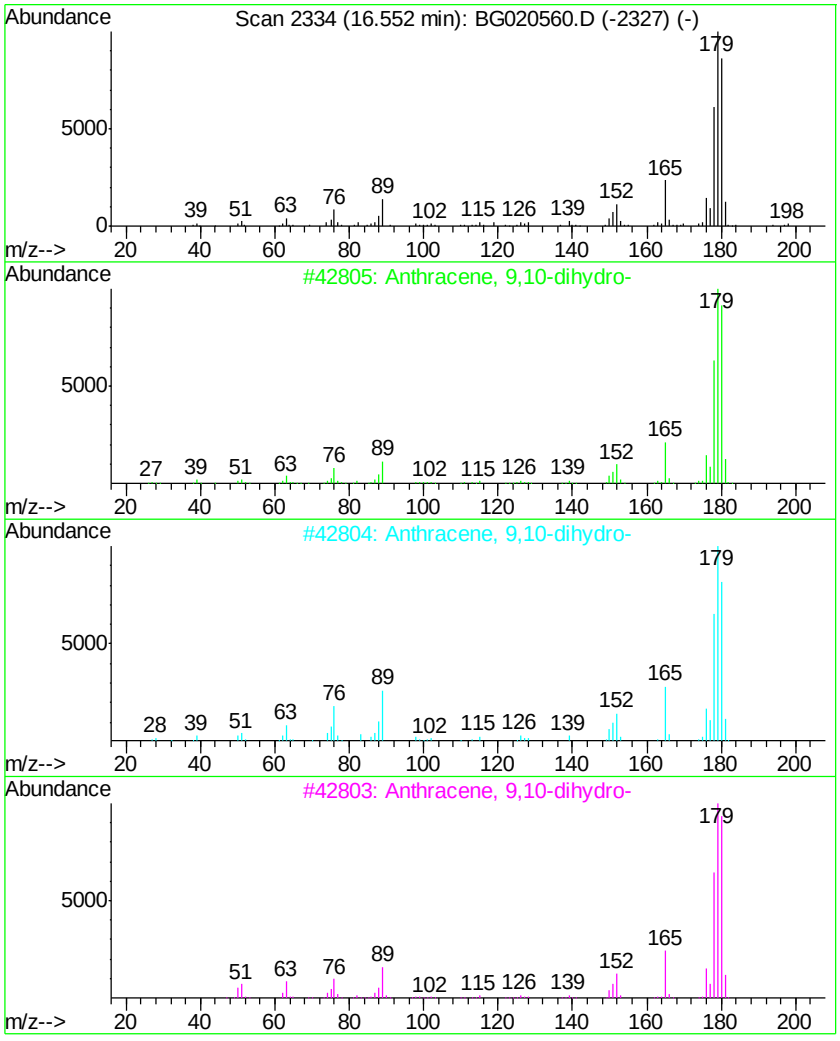
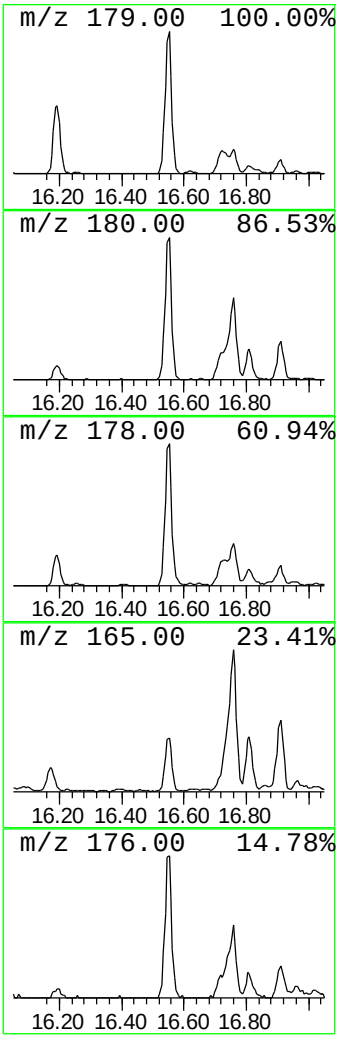
Peak Number 16 Anthracene, 9,10-dihydro- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.55	4.51 ng/ul	369313	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	97
2	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
3	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
4	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	95
5	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	93





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Quant Title : SVOA CALIBRATION

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

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Peak Number 17 p-Hydroxybiphenyl Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.64	2.33 ng/ul	190336	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	90
2	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	90
3	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	87
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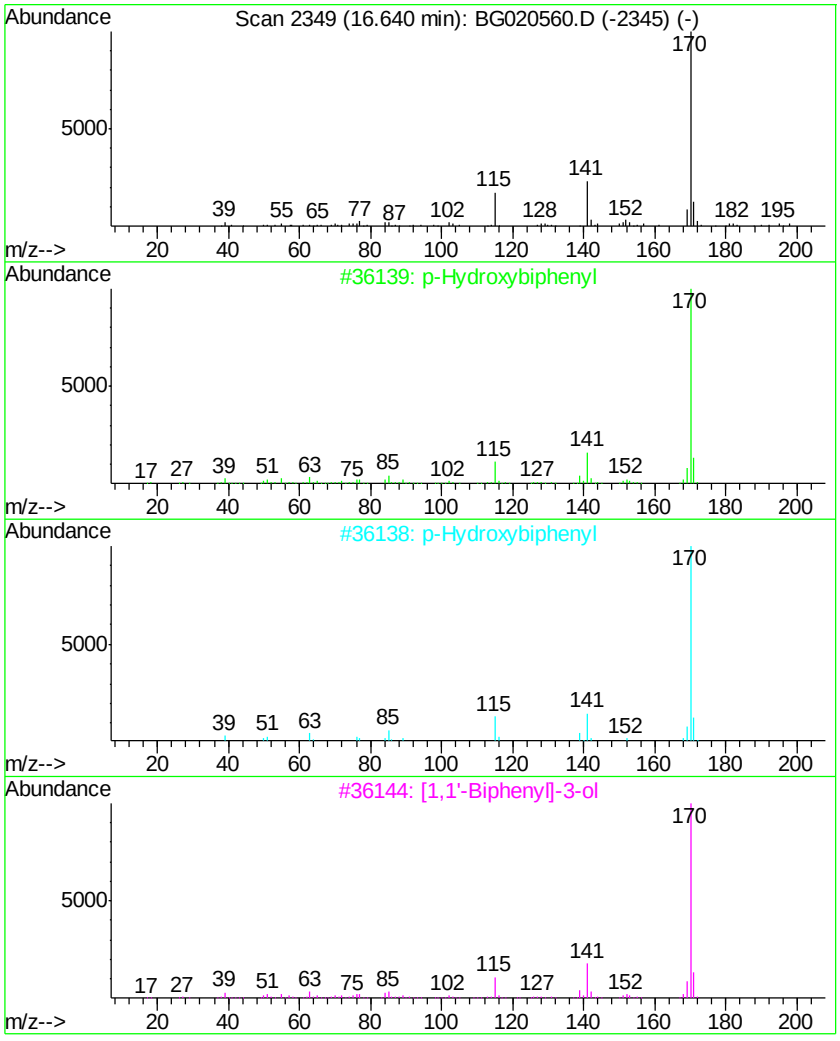
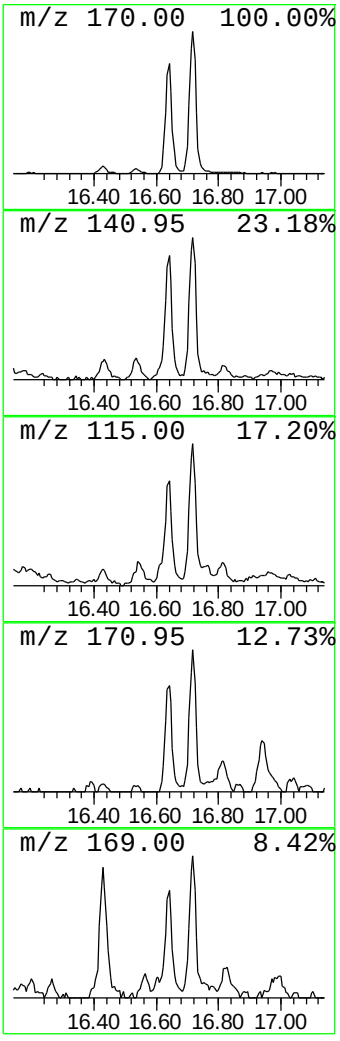
5	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	80





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Acq On : 27 Dec 2015 18:35
Operator : UM/SJ
Sample : G4846-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N53

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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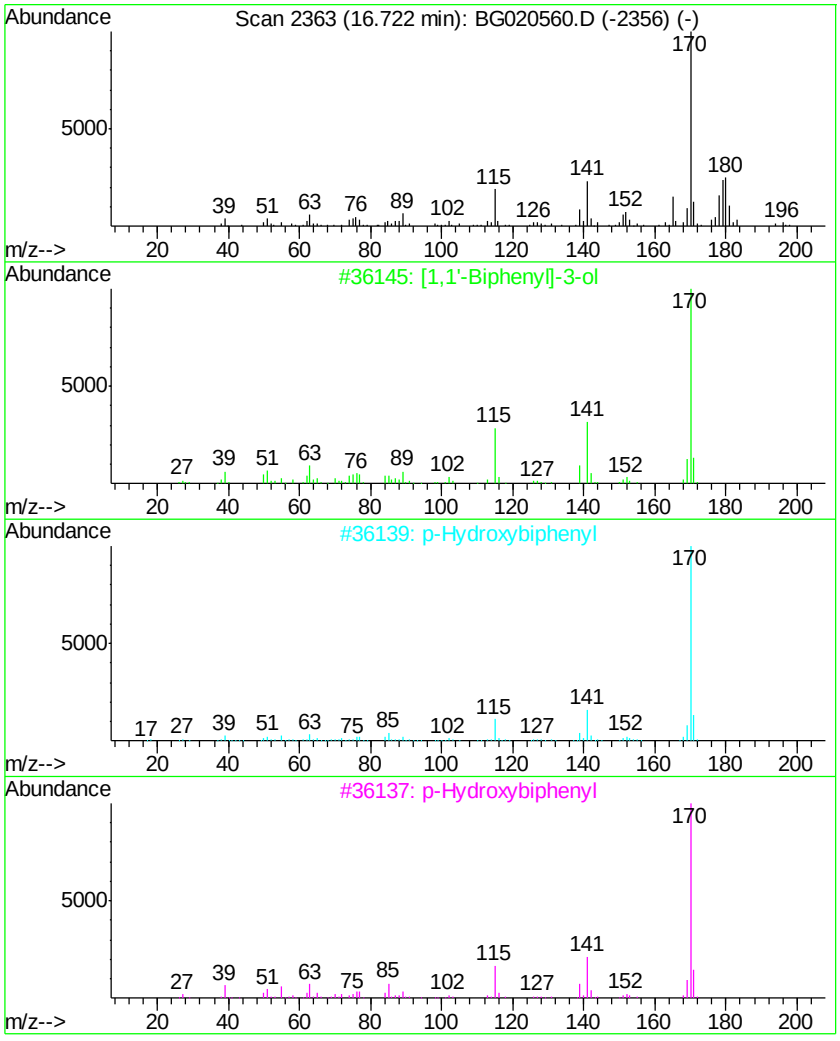
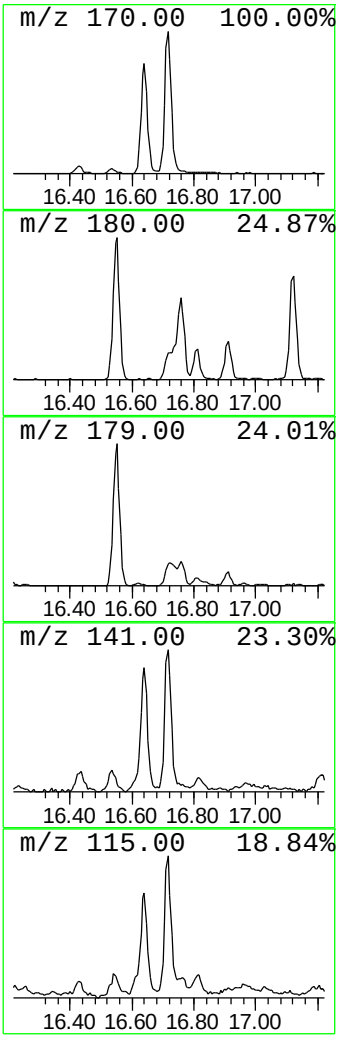
Peak Number 18 [1,1'-Biphenyl]-3-ol Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.72	4.01 ng/ul	328401	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	93
2	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	93
3	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	89
4	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	76
5	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	76





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Sample : G4846-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N53

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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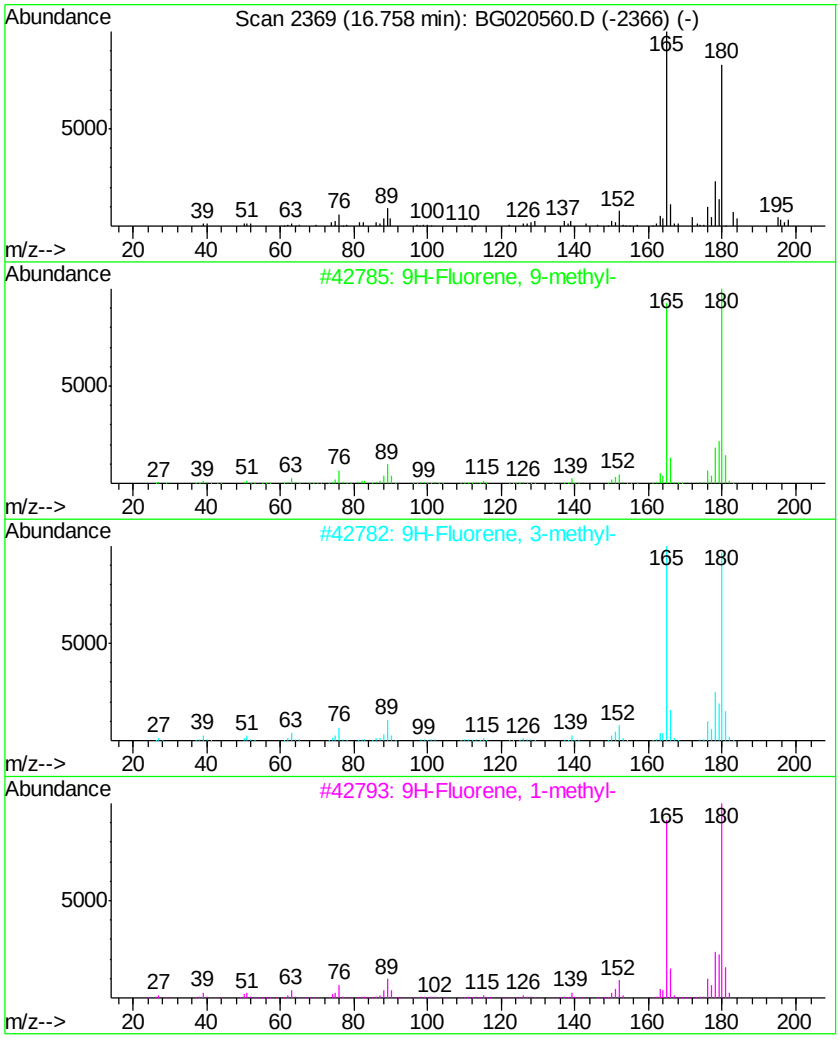
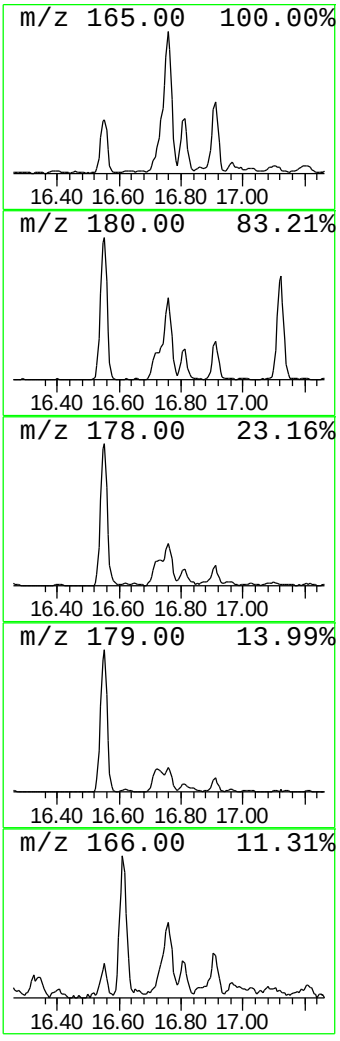
Peak Number 19 9H-Fluorene, 9-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	2.82 ng/ul	230630	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	90
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	90
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	81
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	68





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Instrument : BNA_G
ClientSampleId : D9N53

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Quant Title : SVOA CALIBRATION

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

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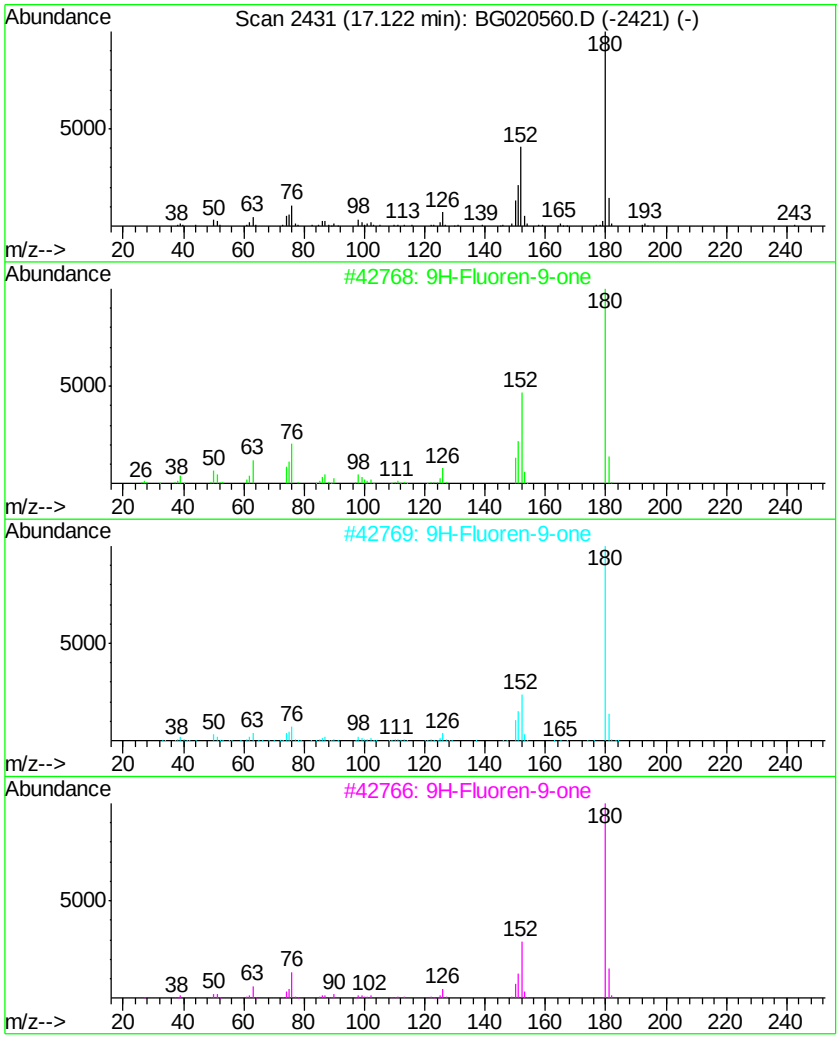
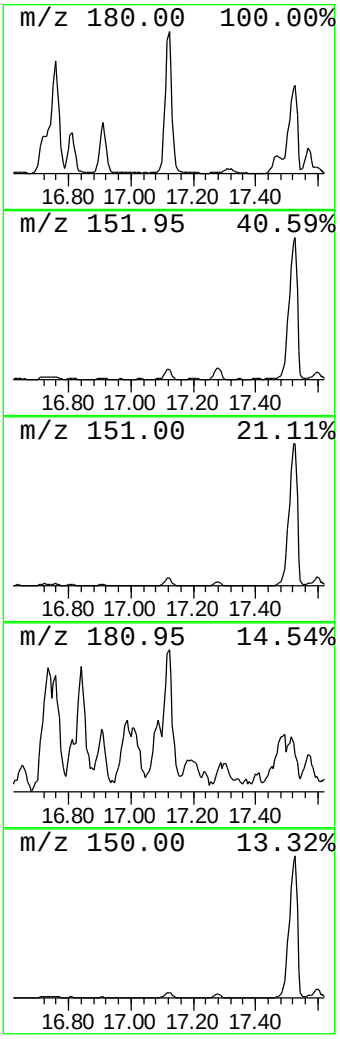
Peak Number 20 9H-Fluoren-9-one Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.12	2.34 ng/ul	191795	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	86





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Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N53

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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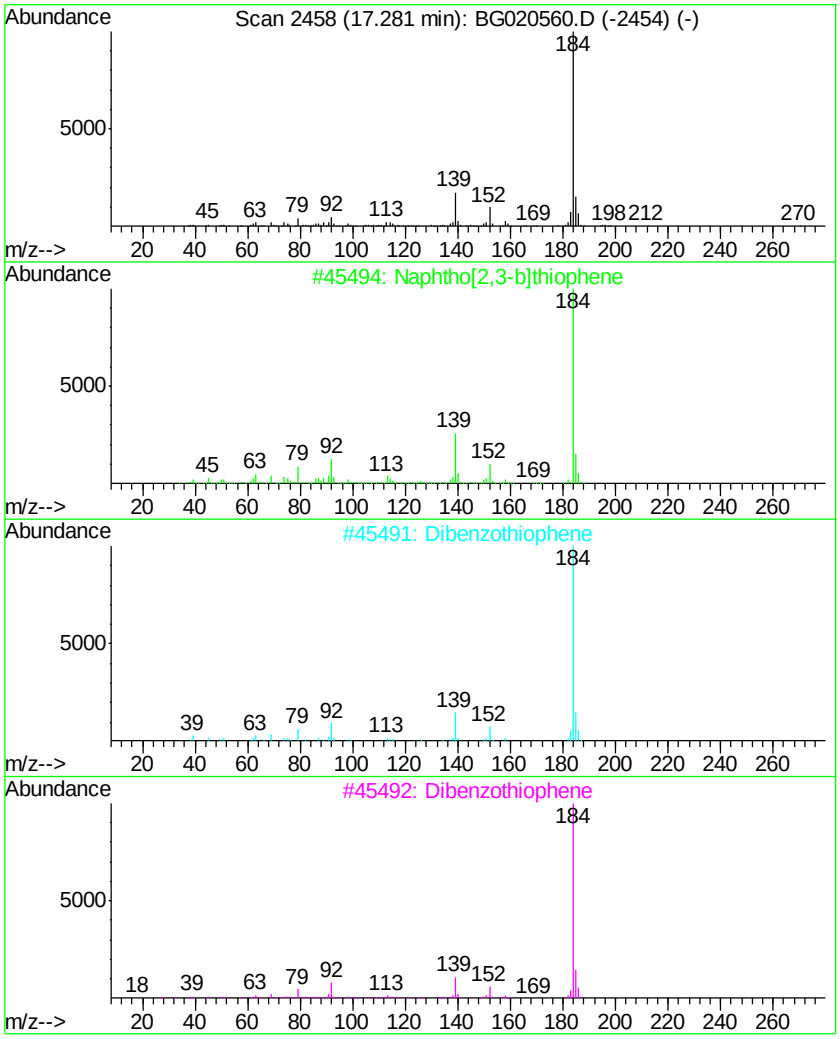
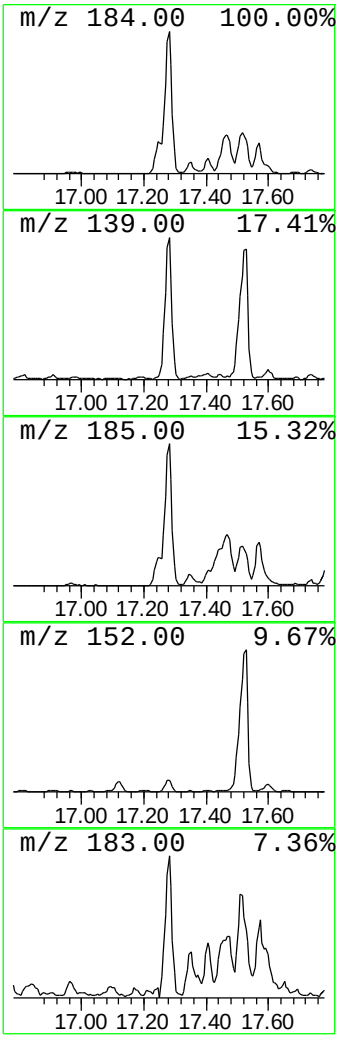
Peak Number 21 Naphtho[2,3-b]thiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.28	7.83 ng/ul	641167	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	94
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Dibenzothiophene	184	C12H8S	000132-65-0	91
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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Instrument : BNA_G
ClientSampleId : D9N53

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Quant Title : SVOA CALIBRATION

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

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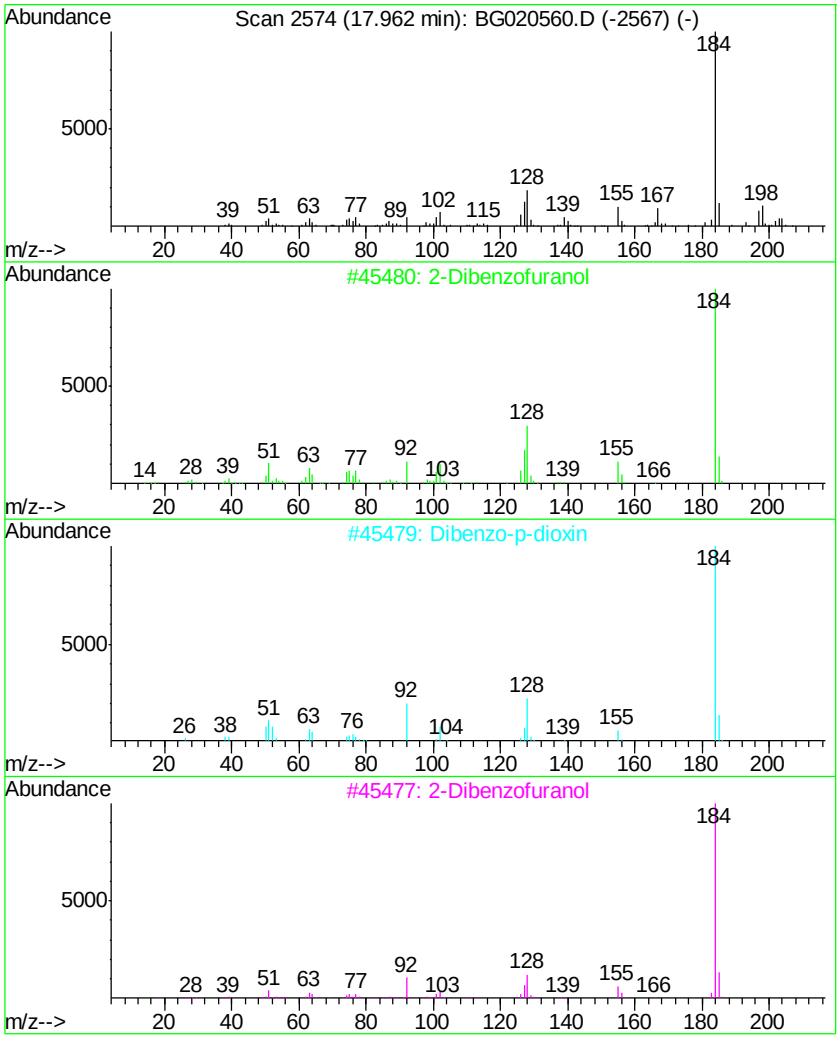
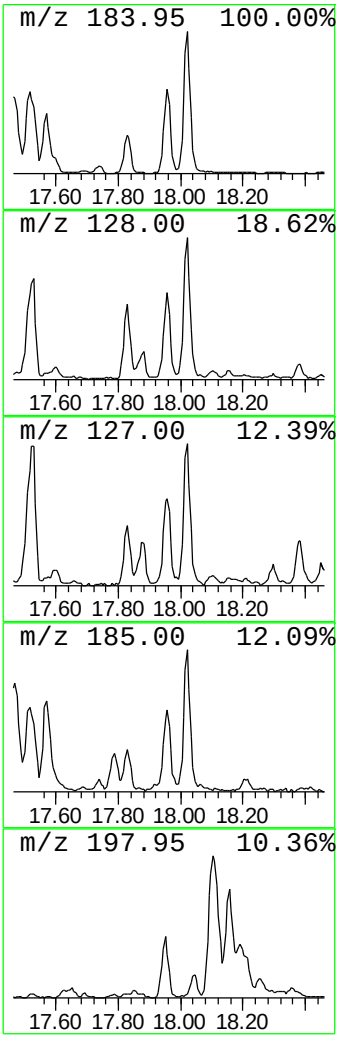
Peak Number 22 2-Dibenzofuranol Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.96	4.72 ng/ul	386594	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Dibenzofuranol	184	C12H8O2	000086-77-1	93
2	Dibenzo-p-dioxin	184	C12H8O2	000262-12-4	83
3	2-Dibenzofuranol	184	C12H8O2	000086-77-1	83
4	2-Dibenzofuranol	184	C12H8O2	000086-77-1	81
5	Dibenzo-p-dioxin	184	C12H8O2	000262-12-4	64





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Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N53

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Quant Title : SVOA CALIBRATION

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

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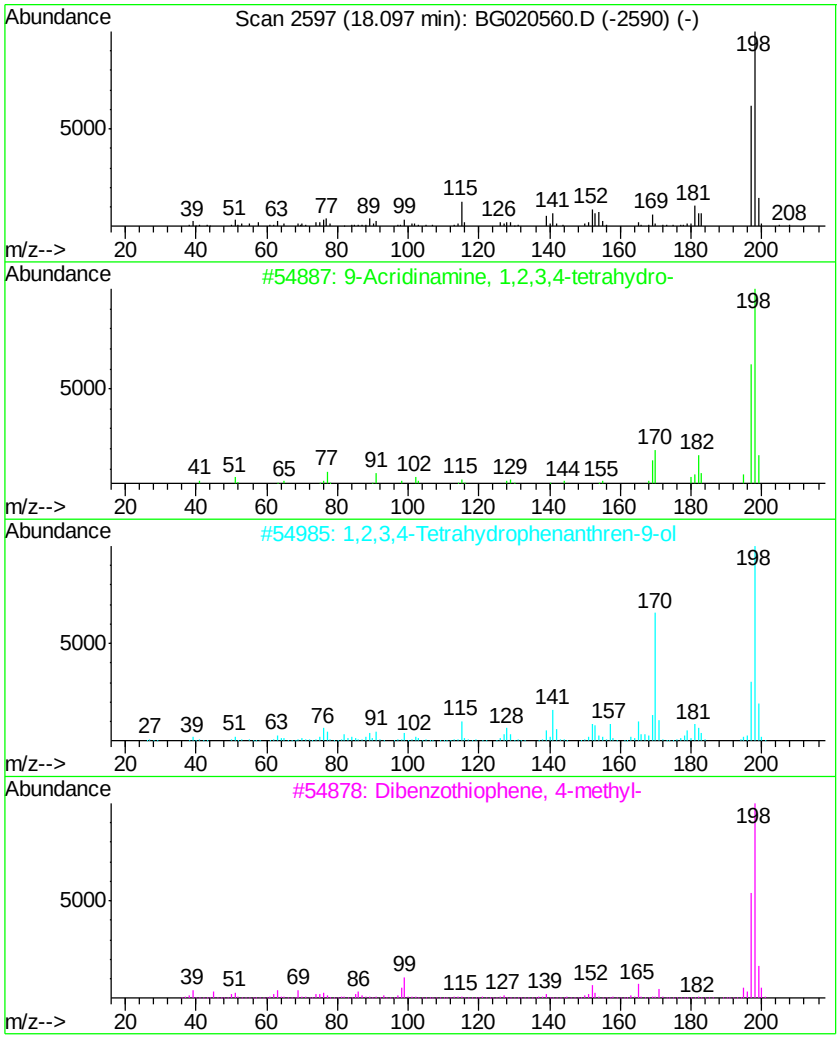
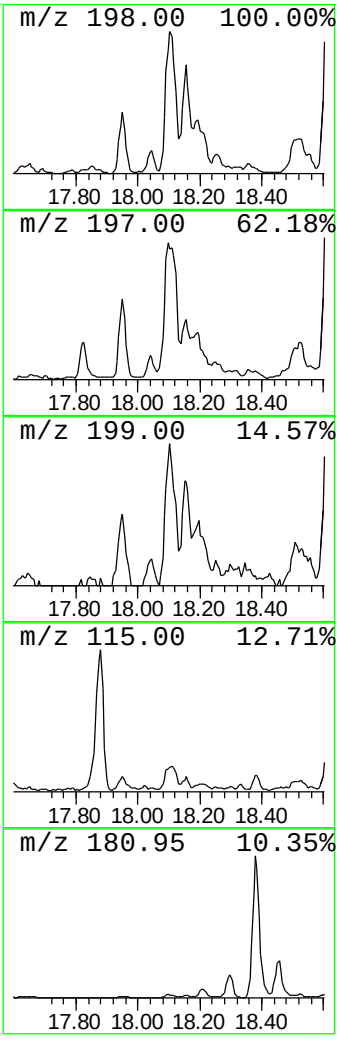
Peak Number 24 9-Acridinamine, 1,2,3,4-tet... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	2.20 ng/ul	179921	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	78
2	1,2,3,4-Tetrahydrophenanthren-9-ol	198	C14H14O	019817-12-0	72
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	72
4	2-Benzyl-[1,4]benzoquinone	198	C13H10O2	038940-10-2	72
5	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	72





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Misc :
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Instrument : BNA_G
ClientSampleId : D9N53

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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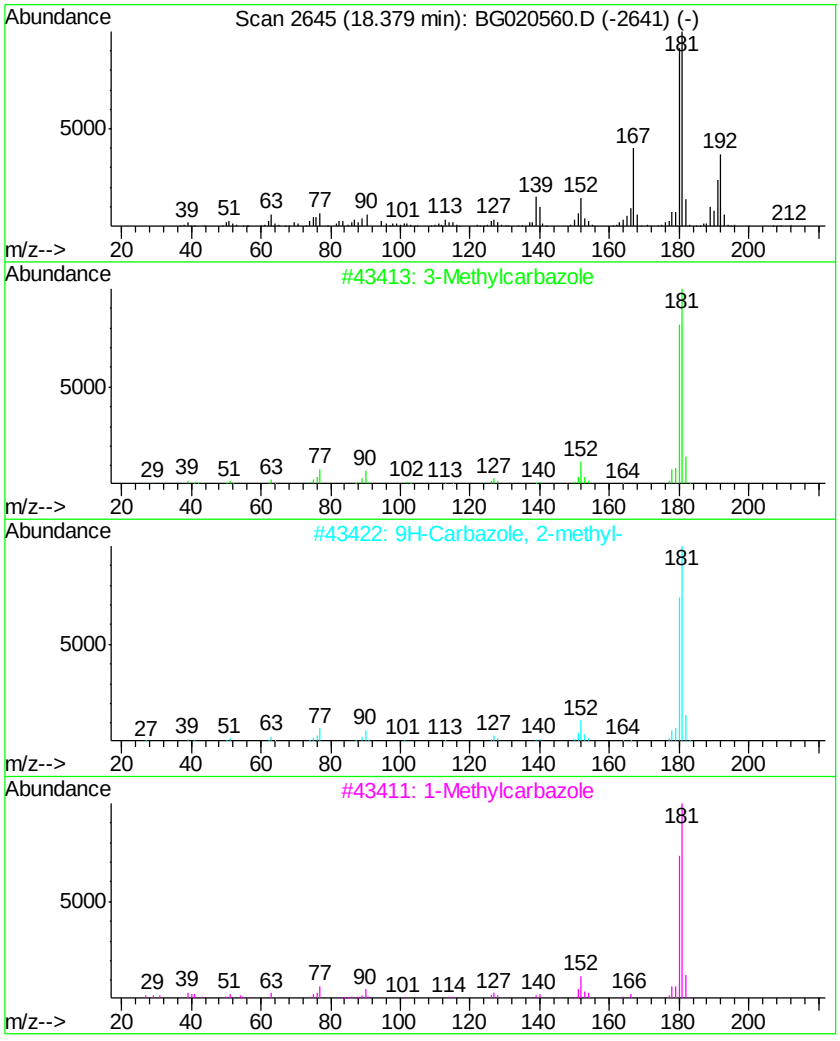
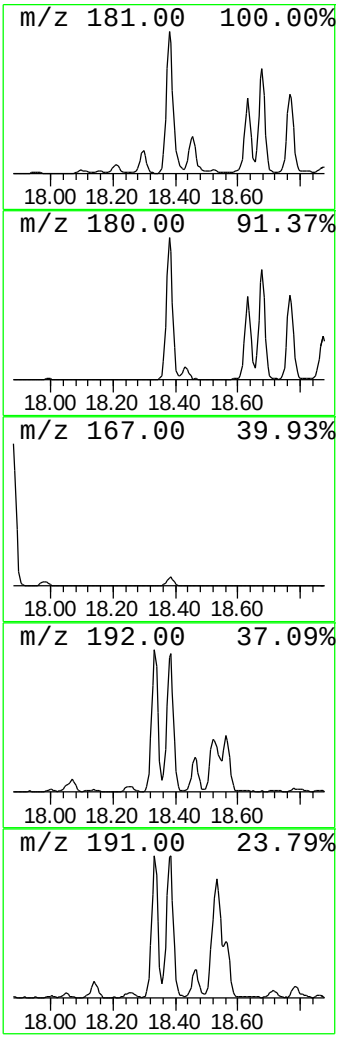
Peak Number 25 3-Methylcarbazole Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	10.23 ng/ul	837118	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylcarbazole	181	C13H11N	004630-20-0	91
2	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	90
3	1-Methylcarbazole	181	C13H11N	006510-65-2	89
4	4-Methylcarbazole	181	C13H11N	003770-48-7	78
5	Methylcarbazole	181	C13H11N	027323-29-1	78





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ClientSampleId : D9N53

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Quant Title : SVOA CALIBRATION

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

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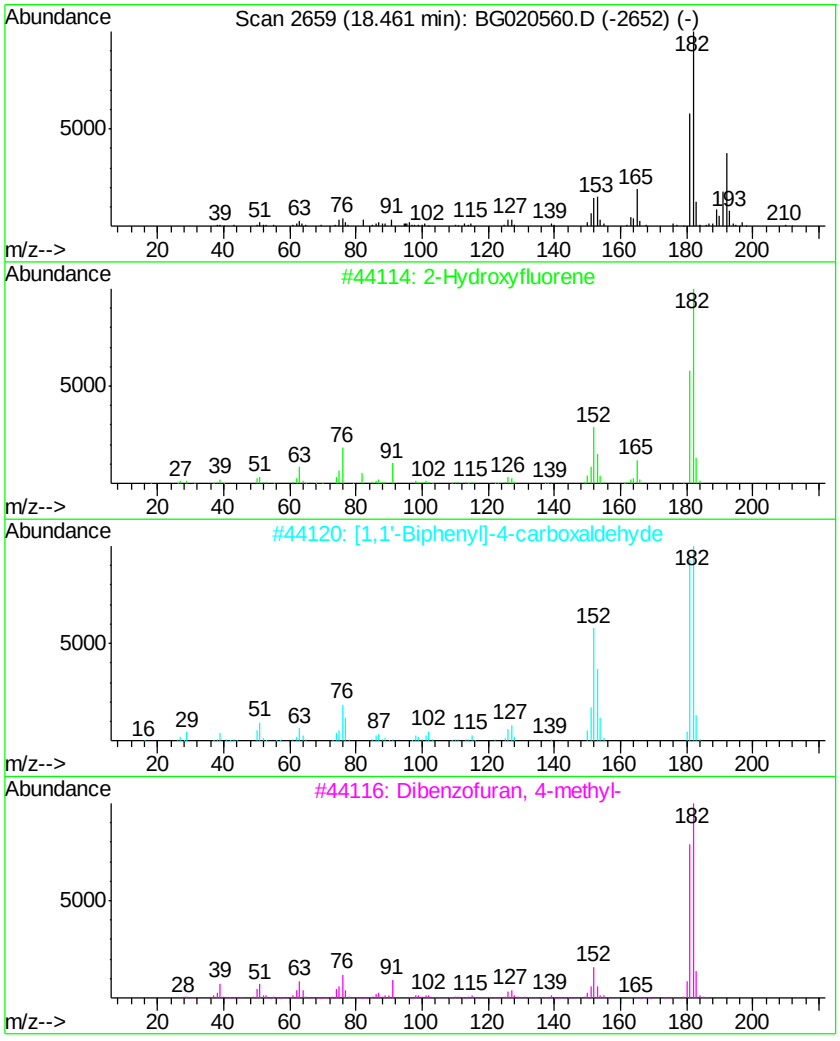
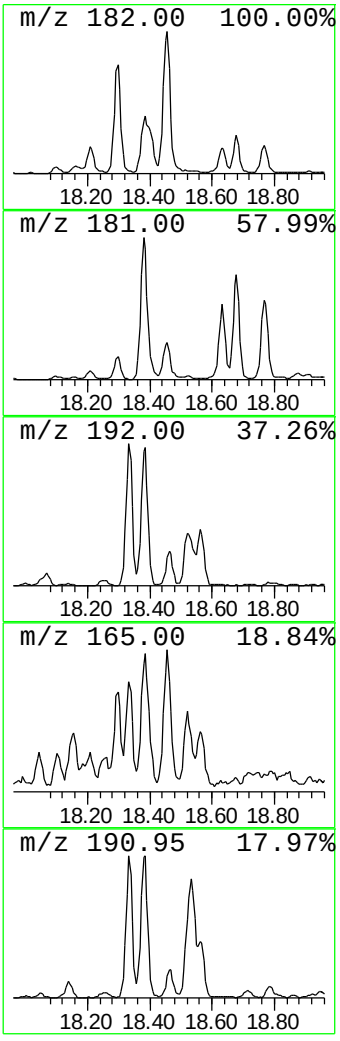
Peak Number 26 2-Hydroxyfluorene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.46	3.33 ng/ul	272805	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hydroxyfluorene	182	C13H10O	002443-58-5	93
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	74
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	53
4	2,4,6-Trimethoxytoluene	182	C10H14O3	014107-97-2	47
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	47





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ClientSampleId : D9N53

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Quant Title : SVOA CALIBRATION

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

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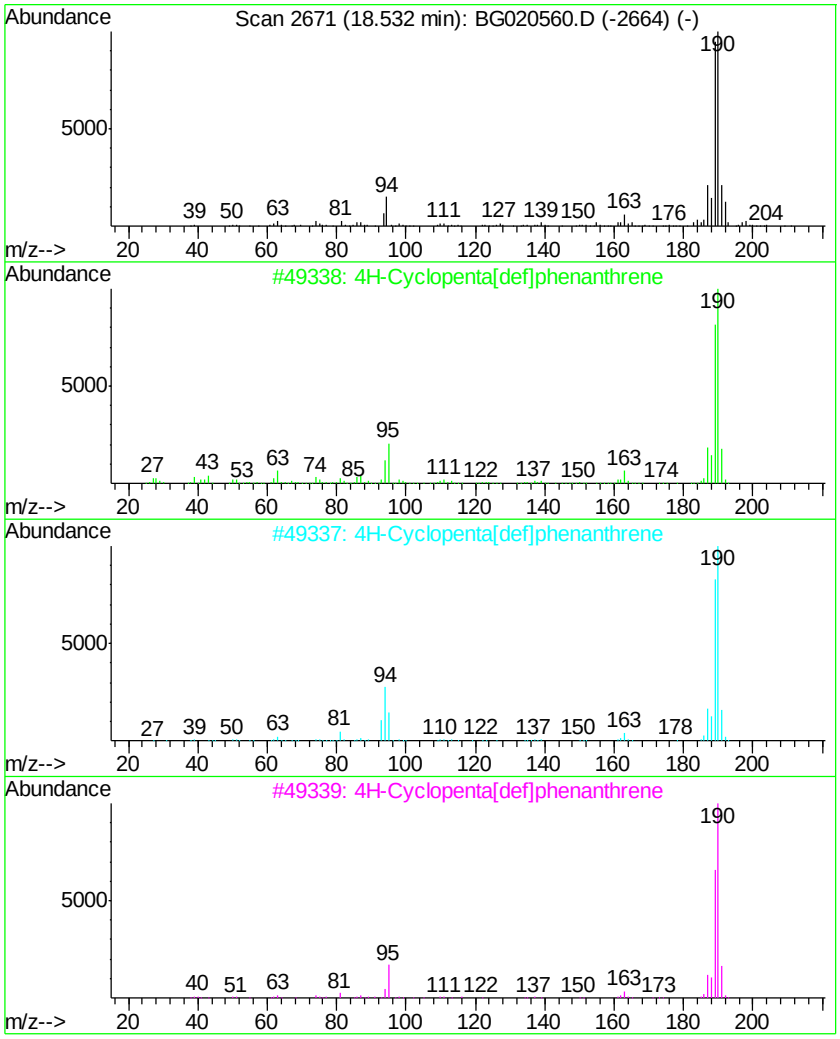
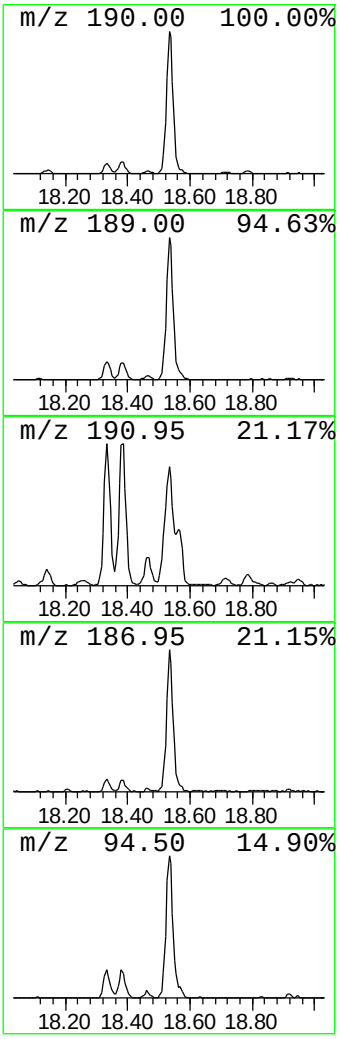
Peak Number 27 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.53	8.48 ng/ul	693706	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
5	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	59





Library Search Compound Report

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ClientSampleId : D9N53

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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 Methylcarbazole Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.68	3.42 ng/ul	279848	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylcarbazole	181	C13H11N	027323-29-1	96
2	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	95
3	3-Methylcarbazole	181	C13H11N	004630-20-0	95
4	3-Methylcarbazole	181	C13H11N	004630-20-0	95
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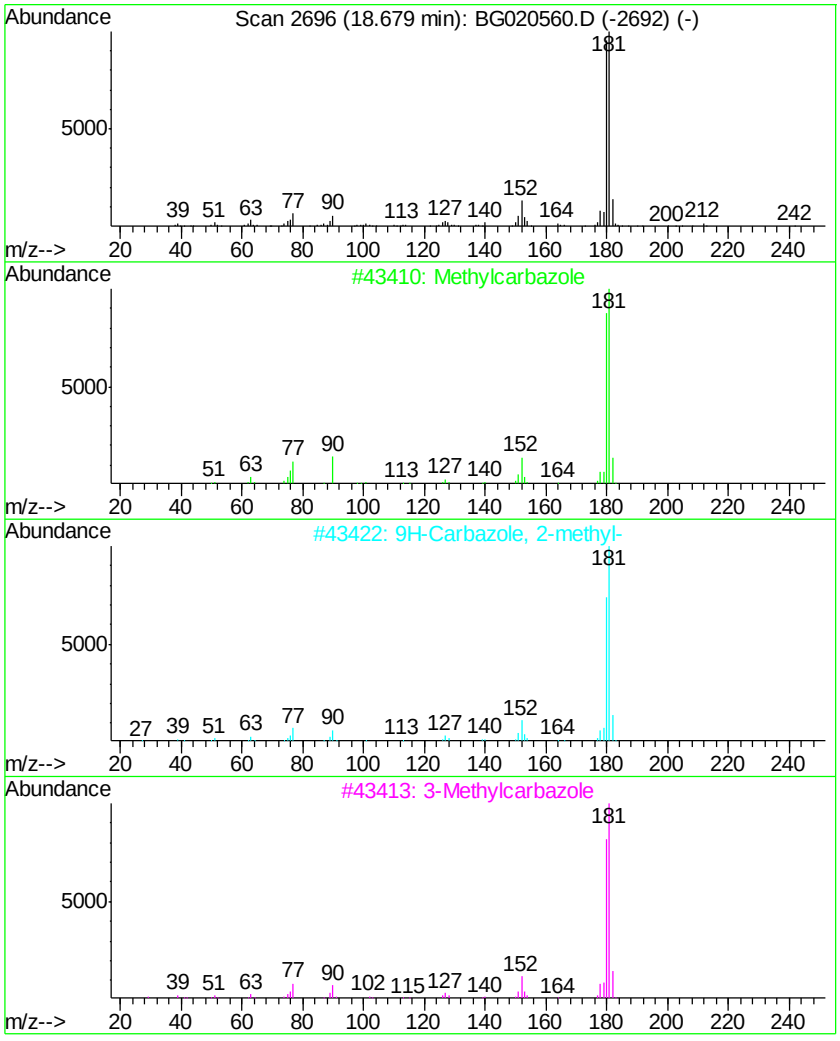

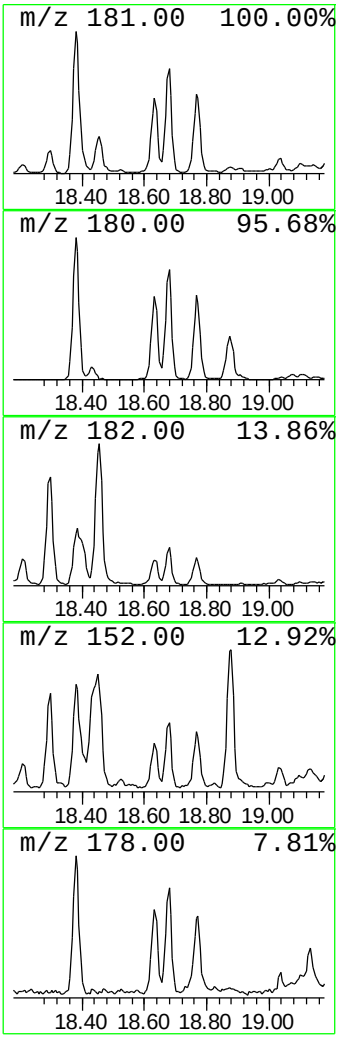

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Quant Title : SVOA CALIBRATION

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

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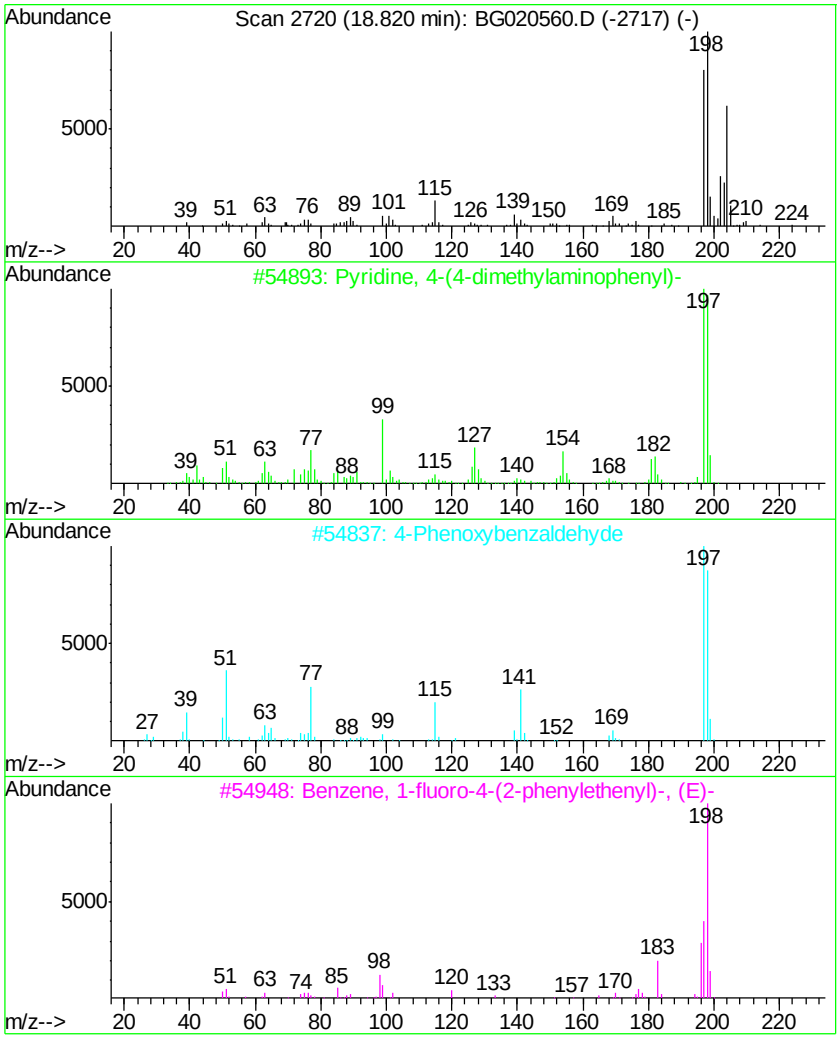
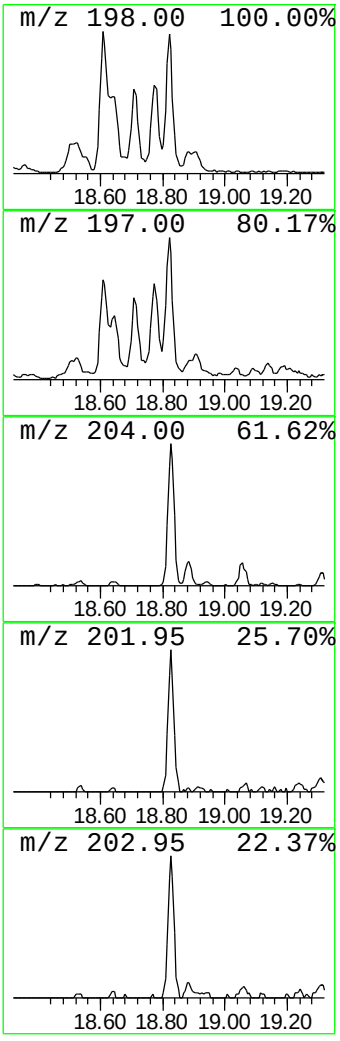
Peak Number 31 unknown-02 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	2.17 ng/ul	177755	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 4-(4-dimethylaminophen...	198	C13H14N2	001137-80-0	47
2	4-Phenoxybenzaldehyde	198	C13H10O2	000067-36-7	47
3	Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	000718-25-2	27
4	9H-Pyrido[3,4-b]indole, 8-hydrox...	198	C12H10N2O	1000248-36-3	27
5	9H-Pyrido[3,4-b]indol-7-ol, 1-me...	198	C12H10N2O	000487-03-6	25





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Sample : G4846-07
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ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N53

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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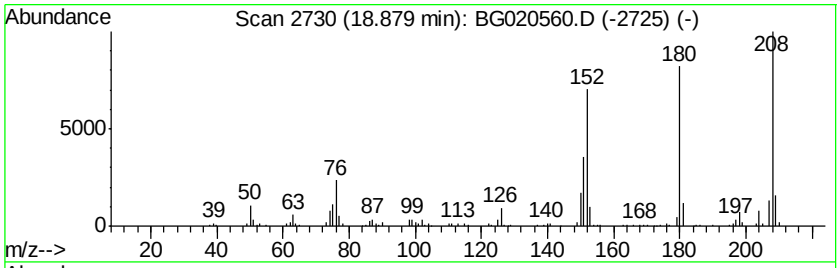
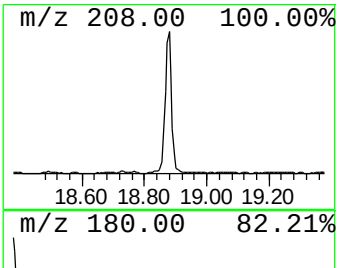
Peak Number 32 9,10-Anthracenedione Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.88	2.70 ng/ul	221132	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	64
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020560.D
Acq On : 27 Dec 2015 18:35
Operator : UM/SJ
Sample : G4846-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N53

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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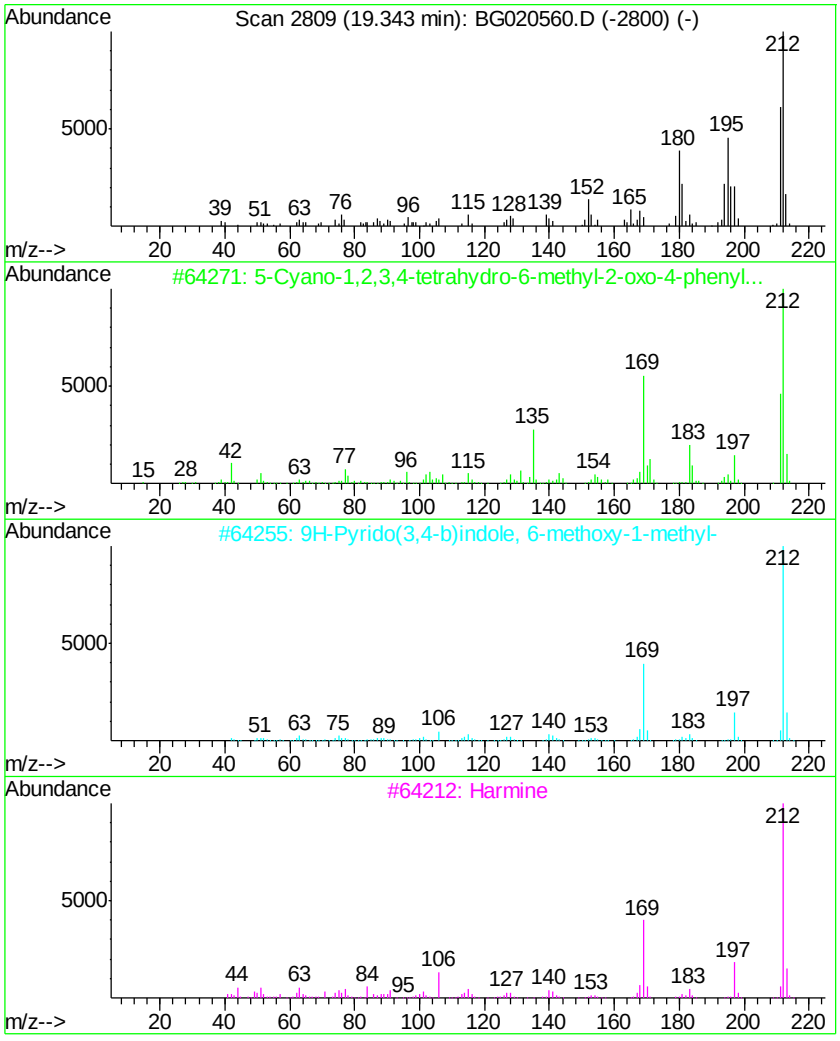
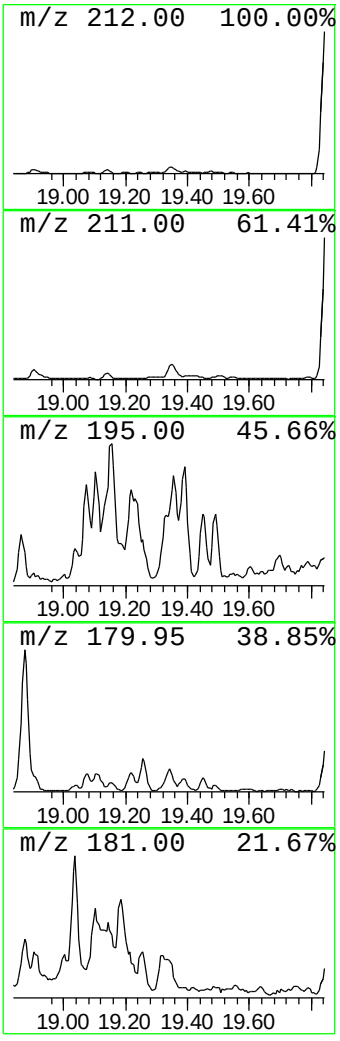
Peak Number 33 unknown-03 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.34	2.05 ng/ul	168096	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Cyano-1,2,3,4-tetrahydro-6-met...	212	C13H12N2O	027036-92-6	46
2	9H-Pyrido(3,4-b)indole, 6-methox...	212	C13H12N2O	003589-72-8	42
3	Harmine	212	C13H12N2O	000442-51-3	38
4	Benzoic acid, 3,4,5-trimethoxy-	212	C10H12O5	000118-41-2	35
5	4-(2-Hydroxycyclopentenyl)quinaz...	212	C13H12N2O	1000241-53-1	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020560.D
Acq On : 27 Dec 2015 18:35
Operator : UM/SJ
Sample : G4846-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N53

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	7.9	ng/ul	199844	1	8.08	505288	20.0
Indene	8.62	41.8	ng/ul	1057100	1	8.08	505288	20.0
Benzonitrile, 2-m...	8.93	3.4	ng/ul	85806	1	8.08	505288	20.0
Naphthalene, 1-me...	12.78	3.0	ng/ul	3290940	2	10.92	22083200	20.0
Naphthalene, 1-et...	13.74	4.8	ng/ul	387668	3	14.72	1602510	20.0
Naphthalene, 2,7-...	13.89	8.4	ng/ul	672534	3	14.72	1602510	20.0
Naphthalene, 2,3-...	14.03	9.1	ng/ul	732562	3	14.72	1602510	20.0
Naphthalene, 1,5-...	14.27	3.3	ng/ul	262513	3	14.72	1602510	20.0
1-Naphthalenecarb...	14.86	15.3	ng/ul	1227610	3	14.72	1602510	20.0
2-Naphthalenol	15.00	7.3	ng/ul	584027	3	14.72	1602510	20.0
Benzeneethanol, ...	15.92	5.2	ng/ul	418625	3	14.72	1602510	20.0
unknown-01	15.97	3.9	ng/ul	314695	3	14.72	1602510	20.0
Diphenylmethane	16.01	2.8	ng/ul	223587	3	14.72	1602510	20.0
2,4,6-Cycloheptat...	16.05	4.4	ng/ul	351540	3	14.72	1602510	20.0
Dibenzofuran, 4-m...	16.19	9.0	ng/ul	737573	4	17.47	1636920	20.0
Anthracene, 9,10-...	16.55	4.5	ng/ul	369313	4	17.47	1636920	20.0
p-Hydroxybiphenyl	16.64	2.3	ng/ul	190336	4	17.47	1636920	20.0
[1,1'-Biphenyl]-3-ol	16.72	4.0	ng/ul	328401	4	17.47	1636920	20.0
9H-Fluorene, 9-me...	16.76	2.8	ng/ul	230630	4	17.47	1636920	20.0
9H-Fluoren-9-one	17.12	2.3	ng/ul	191795	4	17.47	1636920	20.0
Naphtho[2,3-b]thi...	17.28	7.8	ng/ul	641167	4	17.47	1636920	20.0
2-Dibenzofuranol	17.96	4.7	ng/ul	386594	4	17.47	1636920	20.0
9-Acridinamine, 1...	18.10	2.2	ng/ul	179921	4	17.47	1636920	20.0
3-Methylcarbazole	18.38	10.2	ng/ul	837118	4	17.47	1636920	20.0
2-Hydroxyfluorene	18.46	3.3	ng/ul	272805	4	17.47	1636920	20.0
4H-Cyclopenta[def...	18.53	8.5	ng/ul	693706	4	17.47	1636920	20.0
Methylcarbazole	18.68	3.4	ng/ul	279848	4	17.47	1636920	20.0
unknown-02	18.82	2.2	ng/ul	177755	4	17.47	1636920	20.0
9,10-Anthracenedione	18.88	2.7	ng/ul	221132	4	17.47	1636920	20.0
unknown-03	19.34	2.0	ng/ul	168096	4	17.47	1636920	20.0