LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020297.D
Acq On : 19 Dec 2015 5:30
Operator : UM/SJ
Sample : G4768-17
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N41

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.120	41	48	57	rBV2	44046	94678	1.34%	0.241%
2	3.197	57	61	67	rVB	28957	43249	0.61%	0.110%
3	7.239	744	749	757	rBV	24248	40073	0.57%	0.102%
4	7.410	772	778	786	rBV	67508	110435	1.56%	0.281%
5	7.621	808	814	823	rVB	72552	123325	1.74%	0.314%
6	8.091	888	894	900	rBV	68803	111151	1.57%	0.283%
7	8.467	952	958	965	rVB	36728	61691	0.87%	0.157%
8	8.632	979	986	997	rBB	279477	481417	6.79%	1.226%
9	8.790	1007	1013	1023	rBB	70103	114732	1.62%	0.292%
10	9.260	1086	1093	1101	rBV	87106	158795	2.24%	0.404%
11	9.578	1139	1147	1154	rBV2	23319	47676	0.67%	0.121%
12	9.983	1209	1216	1225	rBB	79763	137771	1.94%	0.351%
13	10.529	1301	1309	1319	rBB2	120234	225819	3.19%	0.575%
14	10.917	1366	1375	1377	rVV	79967	154589	2.18%	0.394%
15	10.988	1377	1387	1395	rVV	3194720	7084937	100.00%	18.042%
16	11.088	1395	1404	1411	rVB	189056	338104	4.77%	0.861%
17	12.457	1631	1637	1645	rVB	26996	46477	0.66%	0.118%
18	12.562	1647	1655	1662	rBV	999198	1669542	23.56%	4.252%
19	12.674	1667	1674	1681	rVV	33533	64247	0.91%	0.164%
20	12.780	1681	1692	1701	rVB	679120	1157217	16.33%	2.947%
21	13.197	1755	1763	1770	rBV	23142	40712	0.57%	0.104%
22	13.561	1817	1825	1833	rVB	370086	588299	8.30%	1.498%
23	13.755	1852	1858	1868	rVB2	66347	139211	1.96%	0.355%
24	13.902	1870	1883	1890	rBV4	59537	166822	2.35%	0.425%
25	14.043	1900	1907	1912	rVV	126729	226755	3.20%	0.577%
26	14.125	1912	1921	1926	rVV2	252627	466611	6.59%	1.188%
27	14.278	1942	1947	1951	rBV	47805	80244	1.13%	0.204%
28	14.419	1964	1971	1974	rBV	268557	484510	6.84%	1.234%
29	14.695	2011	2018	2020	rBV	75020	117693	1.66%	0.300%
30	14.724	2020	2023	2028	rVV2	158465	253446	3.58%	0.645%
31	14.801	2028	2036	2041	rVV	2040765	3370665	47.58%	8.584%
32	14.860	2041	2046	2051	rVV	498819	765223	10.80%	1.949%
33	14.912	2051	2055	2064	rVV4	35241	71175	1.00%	0.181%
34	14.995	2064	2069	2072	rVV2	45454	76505	1.08%	0.195%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020297.D
Acq On : 19 Dec 2015 5:30
Operator : UM/SJ
Sample : G4768-17
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N41

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

35	15.030	2072	2075	2080	rVV2	46913	76135	1.07%	0.194%
36	15.124	2084	2091	2099	rVV2	1027958	1851602	26.13%	4.715%
37	15.200	2099	2104	2111	rVB2	35760	58772	0.83%	0.150%
38	15.430	2140	2143	2149	rVV2	25747	36208	0.51%	0.092%
39	15.717	2181	2192	2196	rVV	340240	575787	8.13%	1.466%
40	15.776	2196	2202	2207	rVV	1203586	1836703	25.92%	4.677%
41	15.829	2207	2211	2215	rVV	104976	169043	2.39%	0.430%
42	15.894	2218	2222	2225	rVV3	81900	144407	2.04%	0.368%
43	15.929	2225	2228	2233	rVV2	91047	165509	2.34%	0.421%
44	15.982	2233	2237	2240	rVV2	44710	80368	1.13%	0.205%
45	16.017	2240	2243	2247	rVV2	44563	74795	1.06%	0.190%
46	16.058	2247	2250	2259	rVV	90745	135603	1.91%	0.345%
47	16.205	2259	2275	2284	rVV5	112152	307342	4.34%	0.783%
48	16.440	2309	2315	2322	rVB3	22539	41508	0.59%	0.106%
49	16.563	2328	2336	2341	rBV2	66090	113326	1.60%	0.289%
50	16.616	2341	2345	2347	rVV	28012	41574	0.59%	0.106%
51	16.640	2347	2349	2357	rVB2	32180	47015	0.66%	0.120%
52	16.722	2357	2363	2368	rBV2	60505	122036	1.72%	0.311%
53	16.769	2368	2371	2376	rVV	45106	66647	0.94%	0.170%
54	16.822	2376	2380	2387	rVB4	23628	43633	0.62%	0.111%
55	16.916	2390	2396	2400	rBV3	22172	37235	0.53%	0.095%
56	17.122	2427	2431	2437	rVB	73979	110910	1.57%	0.282%
57	17.245	2447	2452	2455	rBV	45545	65294	0.92%	0.166%
58	17.286	2455	2459	2466	rVB	171719	247891	3.50%	0.631%
59	17.474	2484	2491	2493	rBV2	205131	344904	4.87%	0.878%
60	17.521	2493	2499	2503	rVV	1940132	3002697	42.38%	7.647%
61	17.574	2503	2508	2511	rVV	405777	590451	8.33%	1.504%
62	17.603	2511	2513	2518	rVB	118359	137497	1.94%	0.350%
63	17.656	2518	2522	2532	rVB	29232	56009	0.79%	0.143%
64	17.833	2547	2552	2553	rBV	52308	65733	0.93%	0.167%
65	17.880	2553	2560	2566	rVB	1450604	2344295	33.09%	5.970%
66	17.962	2566	2574	2576	rBV2	87860	150743	2.13%	0.384%
67	18.021	2581	2584	2591	rVB	120134	175555	2.48%	0.447%
68	18.109	2591	2599	2604	rBV5	37754	93526	1.32%	0.238%
69	18.215	2613	2617	2621	rVB2	23996	35655	0.50%	0.091%
70	18.303	2627	2632	2635	rBV	51322	69811	0.99%	0.178%
71	18.344	2635	2639	2642	rBV	49897	59023	0.83%	0.150%

LSC Area Percent Report

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Acq On : 19 Dec 2015 5:30
Operator : UM/SJ
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Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N41

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
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Peak separation: 5

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

72	18.391	2642	2647	2652	rVV	286836	430754	6.08%	1.097%
73	18.461	2652	2659	2665	rVB3	90715	179521	2.53%	0.457%
74	18.544	2665	2673	2681	rBV2	166309	326235	4.60%	0.831%
75	18.638	2681	2689	2693	rBV2	99716	214277	3.02%	0.546%
76	18.685	2693	2697	2700	rVV	110225	145303	2.05%	0.370%
77	18.714	2700	2702	2706	rVB2	31376	37329	0.53%	0.095%
78	18.779	2707	2713	2718	rBV	132174	196842	2.78%	0.501%
79	18.831	2718	2722	2726	rVB2	60417	92389	1.30%	0.235%
80	18.878	2726	2730	2735	rBV2	121114	175398	2.48%	0.447%
81	19.137	2771	2774	2781	rVV4	23245	46247	0.65%	0.118%
82	19.348	2801	2810	2815	rBV6	35045	86692	1.22%	0.221%
83	19.513	2831	2838	2844	rVB	452885	667069	9.42%	1.699%
84	19.713	2866	2872	2877	rBV3	36209	63638	0.90%	0.162%
85	19.766	2877	2881	2888	rVV4	21474	36229	0.51%	0.092%
86	19.848	2888	2895	2898	rVV	528792	835942	11.80%	2.129%
87	19.877	2898	2900	2908	rVB	320408	403900	5.70%	1.029%
88	20.071	2926	2933	2938	rBV4	32947	56285	0.79%	0.143%
89	20.253	2959	2964	2969	rVB	182654	252786	3.57%	0.644%
90	20.312	2969	2974	2980	rVV	147606	226283	3.19%	0.576%
91	20.465	2993	3000	3004	rVB3	27861	45251	0.64%	0.115%
92	20.923	3073	3078	3081	rVV	28815	46713	0.66%	0.119%
93	20.964	3081	3085	3097	rVB2	48113	88740	1.25%	0.226%
94	21.317	3138	3145	3148	rBV2	25445	48233	0.68%	0.123%
95	21.352	3148	3151	3157	rVV2	29683	53000	0.75%	0.135%
96	21.740	3208	3217	3224	rBV2	314064	576004	8.13%	1.467%
97	22.157	3282	3288	3294	rBV	26682	47168	0.67%	0.120%
98	22.368	3318	3324	3329	rBV	26186	55472	0.78%	0.141%
99	24.789	3723	3736	3753	rBV	257343	721459	10.18%	1.837%
100	25.012	3764	3774	3790	rVB2	151005	424641	5.99%	1.081%

Sum of corrected areas: 39268838

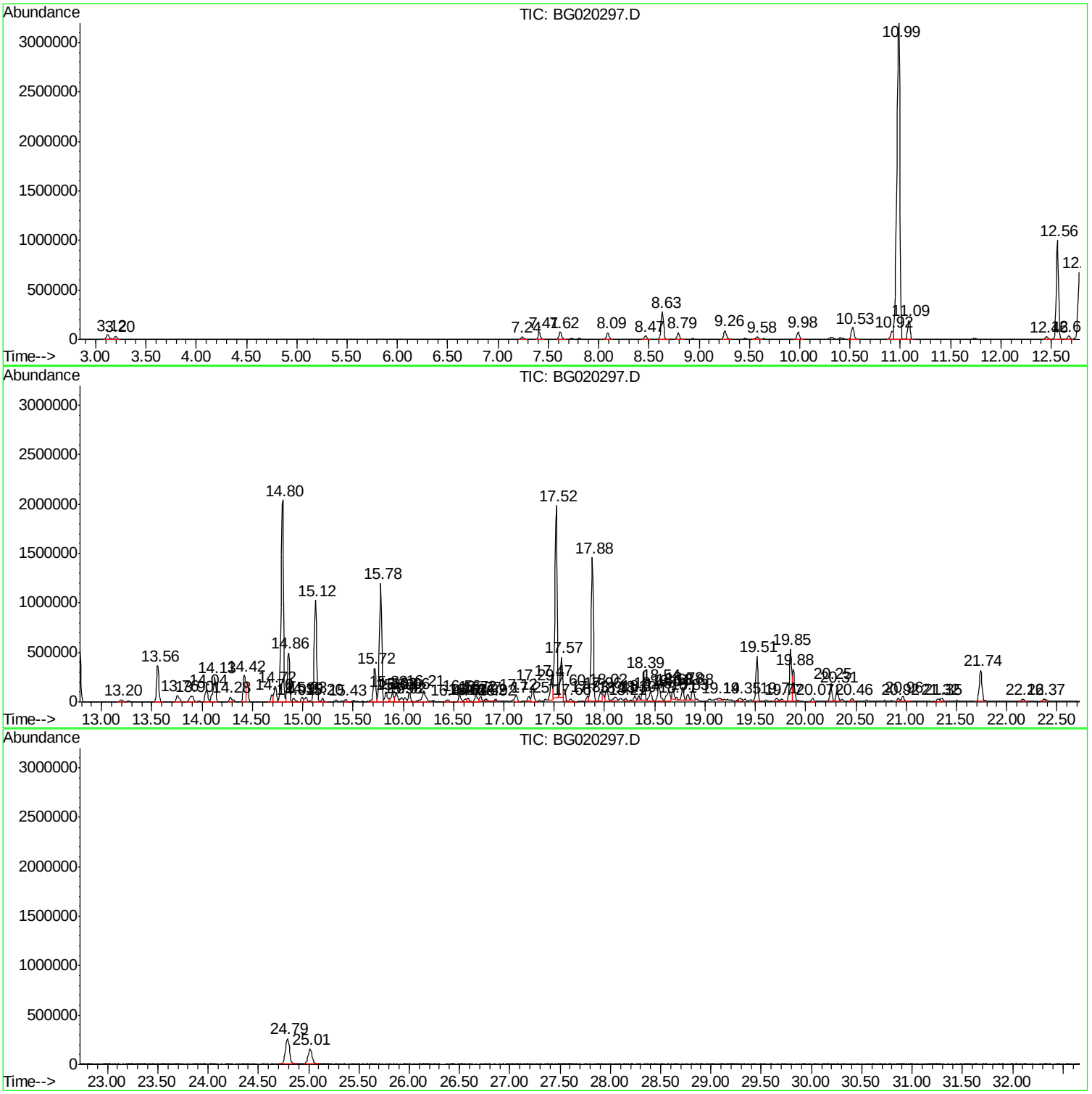
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020297.D
Acq On : 19 Dec 2015 5:30
Operator : UM/SJ
Sample : G4768-17
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N41

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

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020297.D
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Instrument : BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

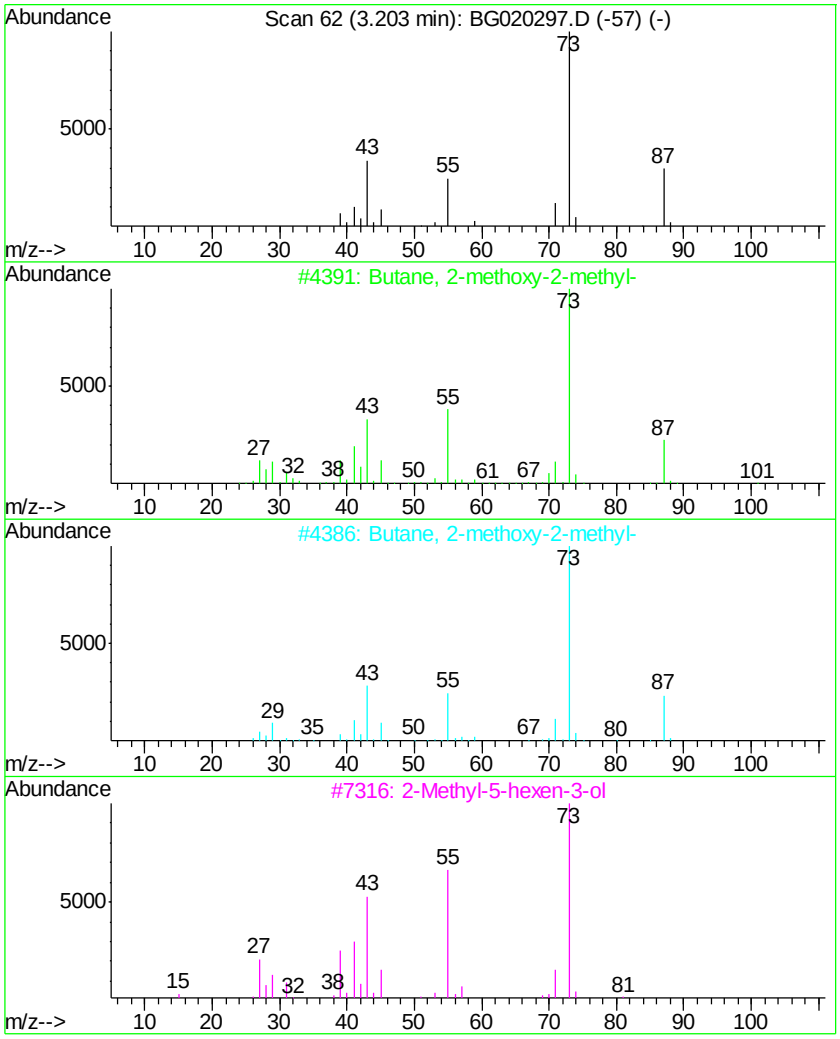
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

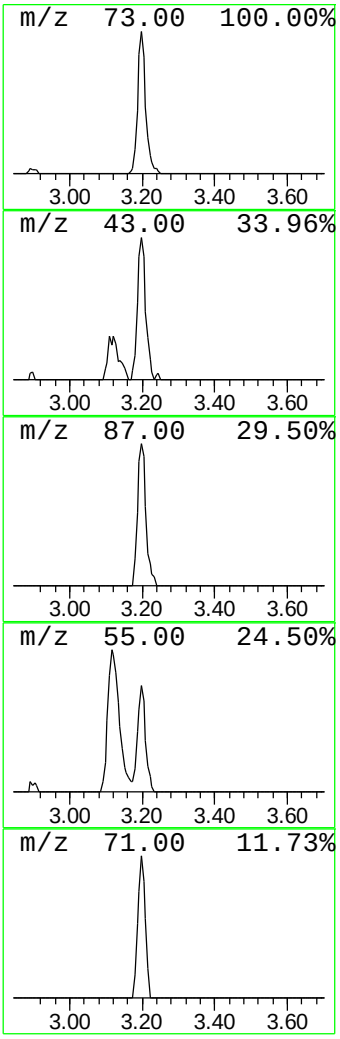
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.20	7.78 ng/ul	43249	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	25
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	16





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020297.D
Acq On : 19 Dec 2015 5:30
Operator : UM/SJ
Sample : G4768-17
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N41

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

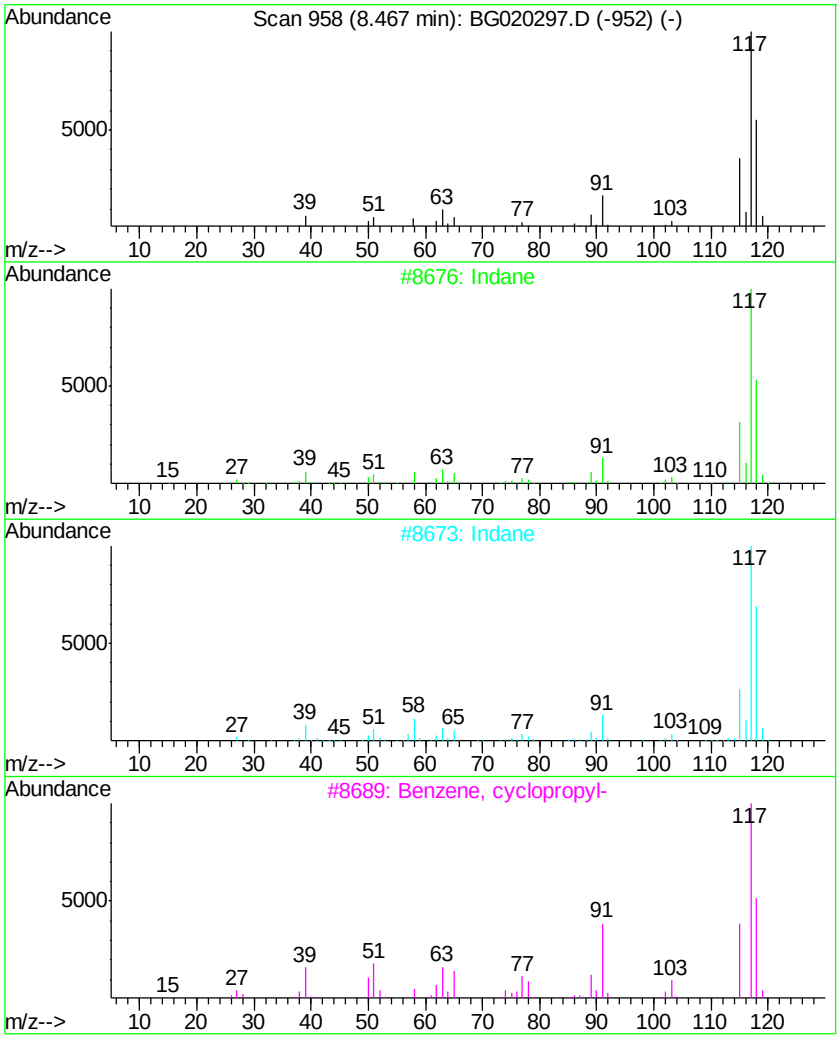
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

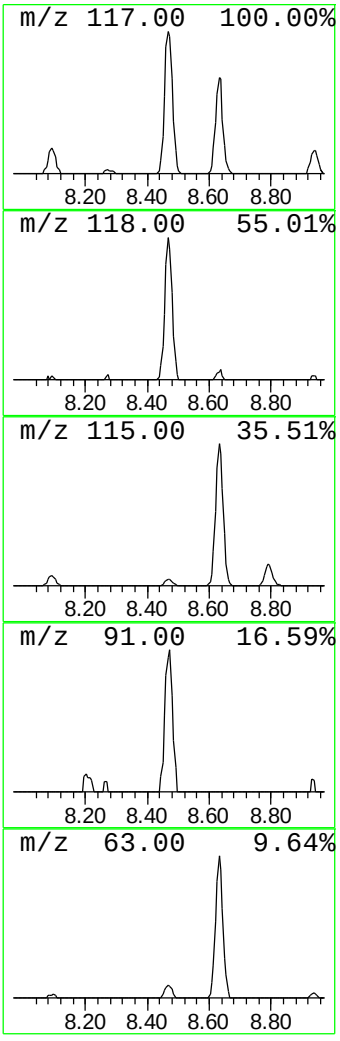
****

Peak Number 3 Indane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.47	11.10 ng/ul	61691	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	90
2	Indane	118	C9H10	000496-11-7	81
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	81
4	Deltacyclene	118	C9H10	007785-10-6	68
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020297.D
Acq On : 19 Dec 2015 5:30
Operator : UM/SJ
Sample : G4768-17
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N41

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

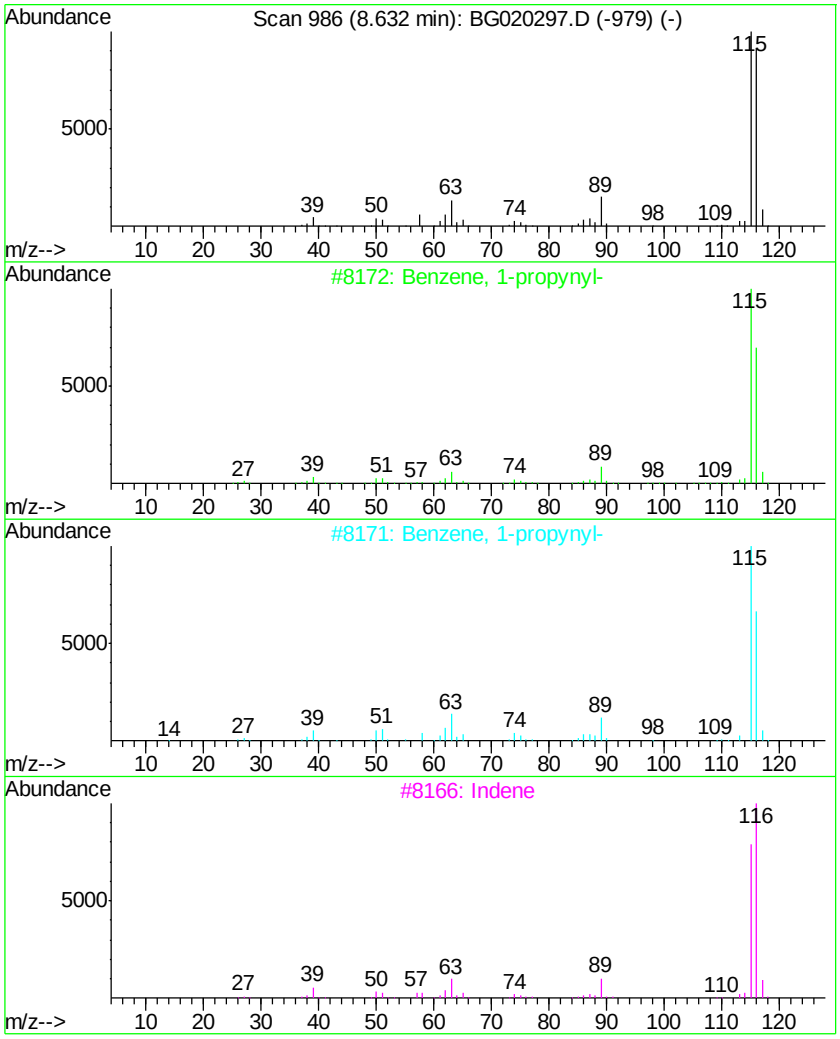
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

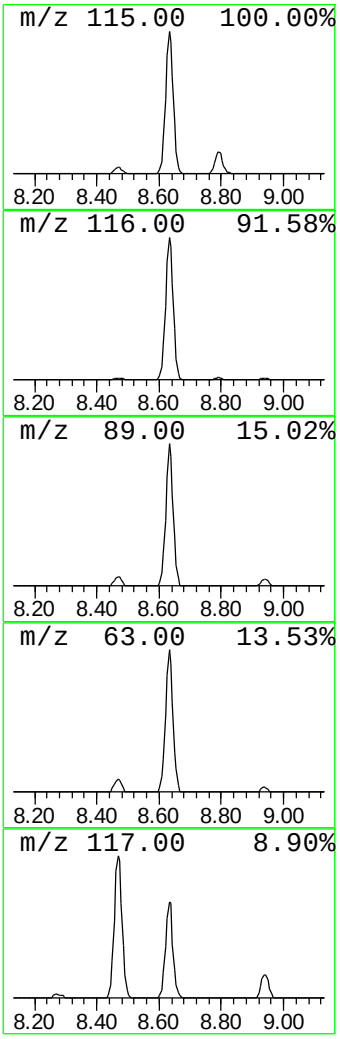
****

Peak Number 4 Benzene, 1-propynyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.63	86.62 ng/ul	481417	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
3	Indene	116	C9H8	000095-13-6	91
4	Indene	116	C9H8	000095-13-6	91
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020297.D
Acq On : 19 Dec 2015 5:30
Operator : UM/SJ
Sample : G4768-17
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N41

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

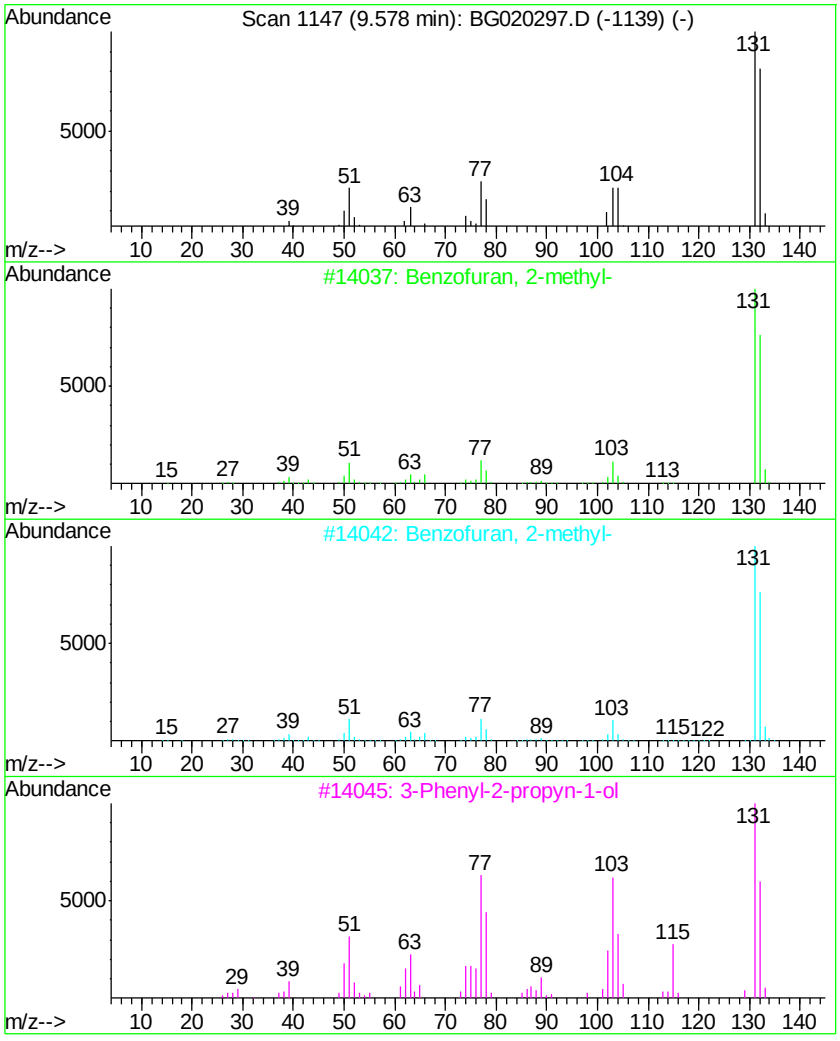
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

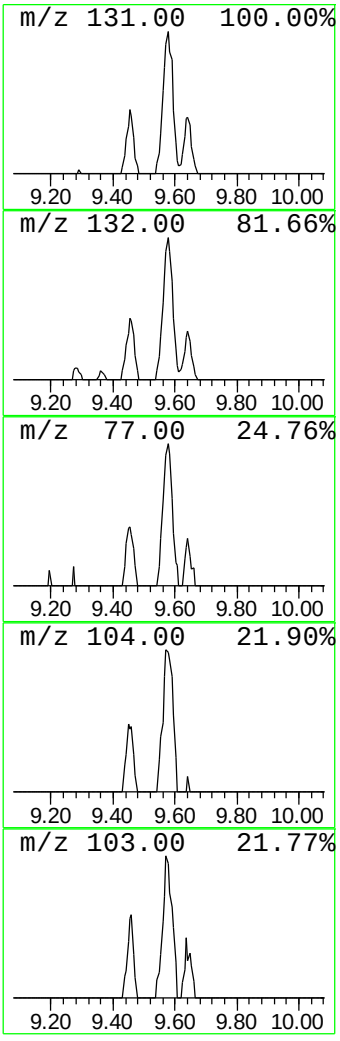
****

Peak Number 5 Benzofuran, 2-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.58	6.17 ng/ul	47676	Naphthalene-d8	10.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
3	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	91
4	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	90
5	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	90





Library Search Compound Report

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Data File : BG020297.D
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Operator : UM/SJ
Sample : G4768-17
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N41

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

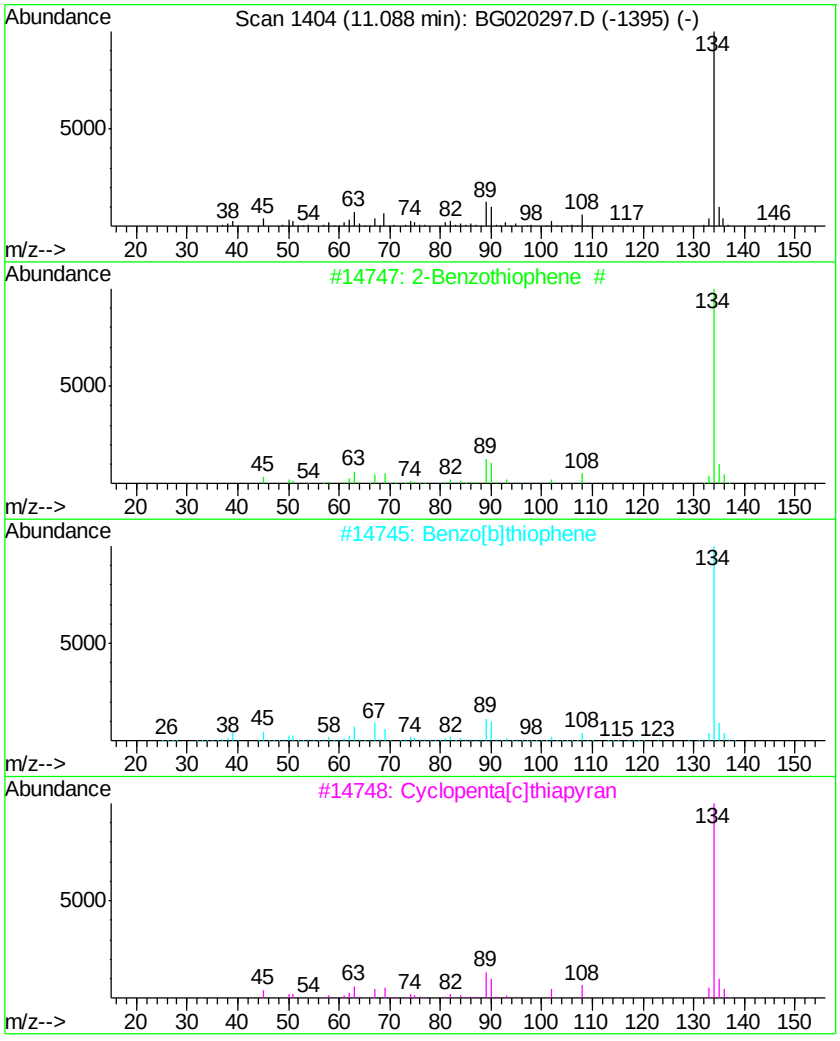
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

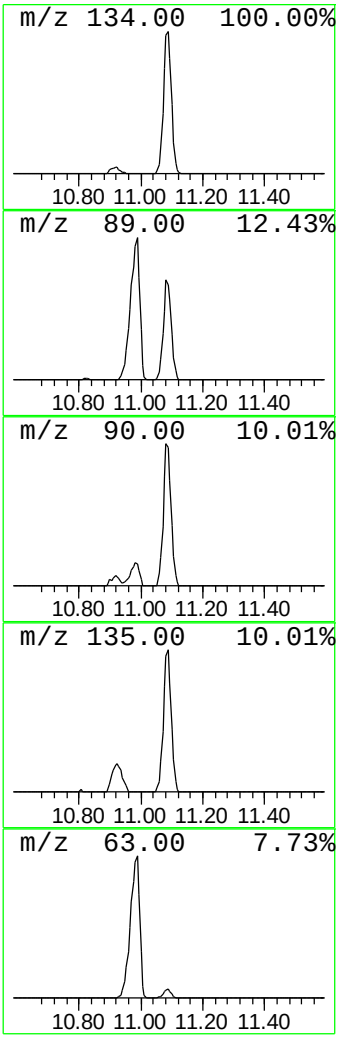
****

Peak Number 6 2-Benzothiophene # Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.09	43.74 ng/ul	338104	Naphthalene-d8	10.92

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





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020297.D
Acq On : 19 Dec 2015 5:30
Operator : UM/SJ
Sample : G4768-17
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N41

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Quant Title : SVOA CALIBRATION

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

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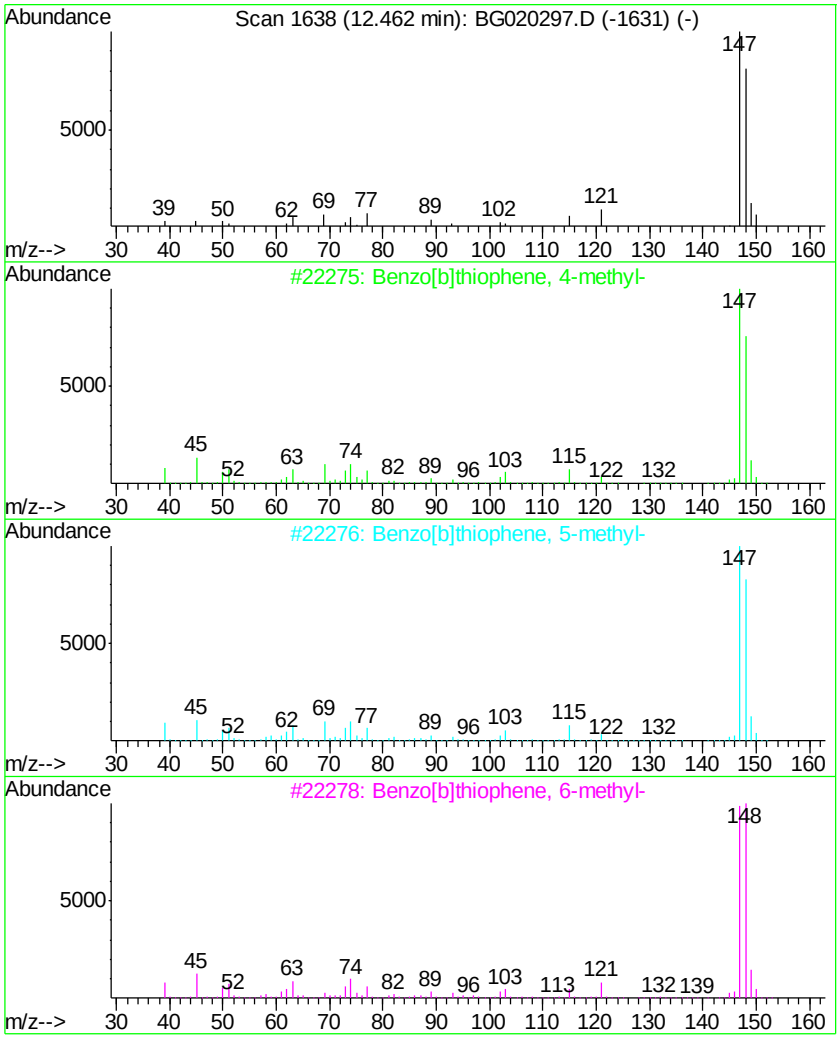
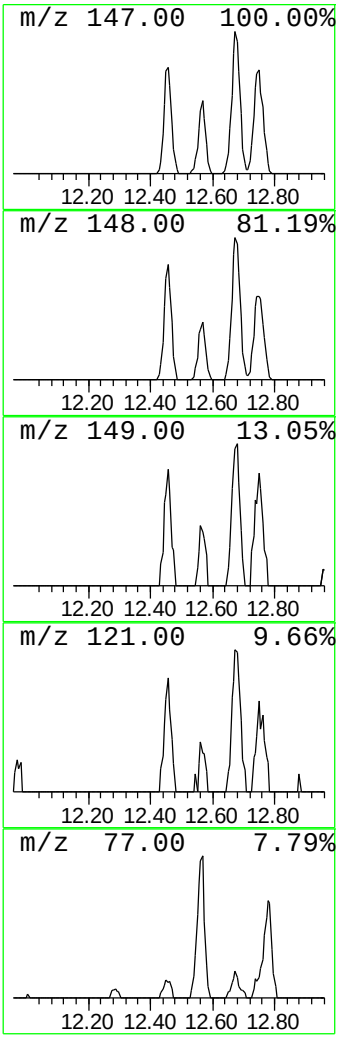
Peak Number 7 Benzo[b]thiophene, 4-methyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	6.01 ng/ul	46477	Naphthalene-d8	10.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	91
2	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	91
3	Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	90
4	3-Methylbenzothiophene	148	C9H8S	001455-18-1	87
5	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	86





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Misc :
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Instrument : BNA_G
ClientSampleId : D9N41

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Quant Title : SVOA CALIBRATION

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

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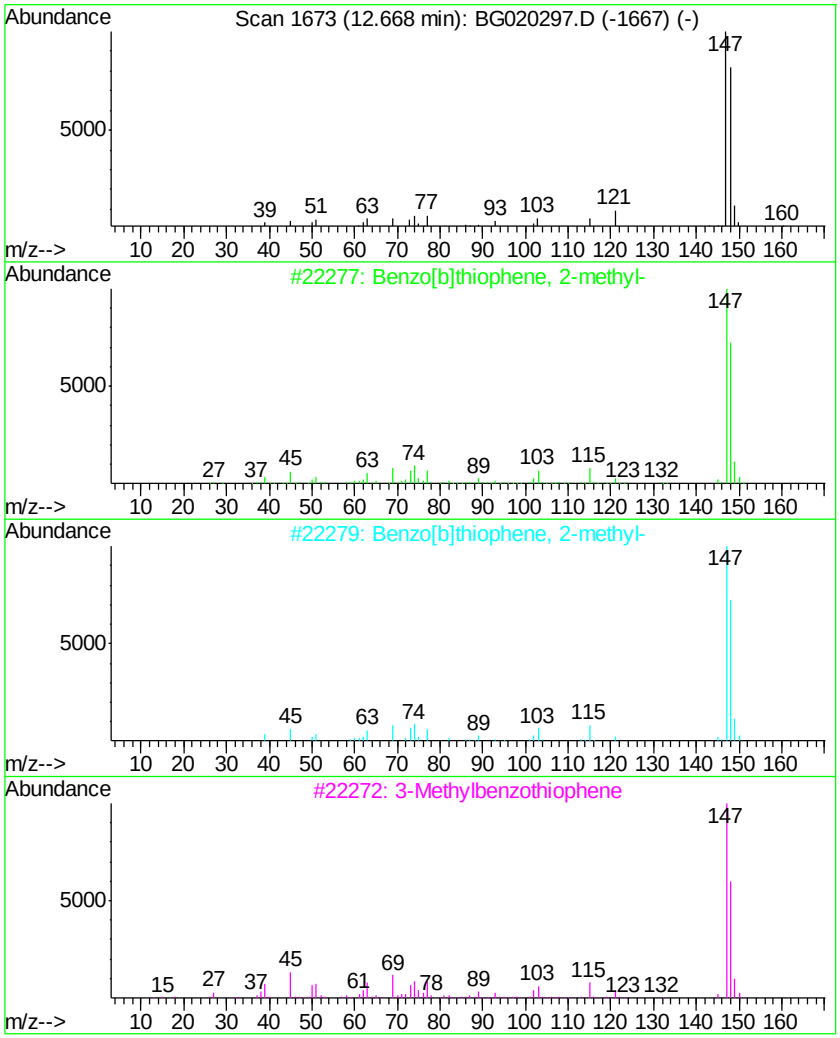
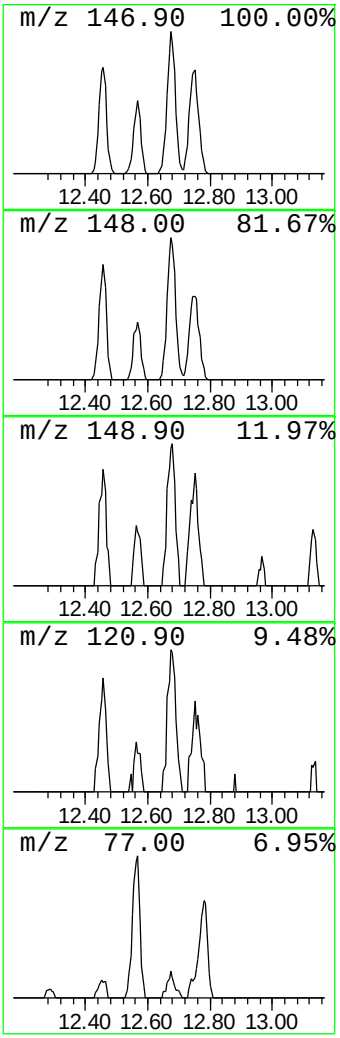
Peak Number 8 Benzo[b]thiophene, 2-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	8.31 ng/ul	64247	Naphthalene-d8	10.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	91
2	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	91
3	3-Methylbenzothiophene	148	C9H8S	001455-18-1	90
4	3-Methylbenzothiophene	148	C9H8S	001455-18-1	90
5	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	90





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Instrument : BNA_G
ClientSampleId : D9N41

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Quant Title : SVOA CALIBRATION

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

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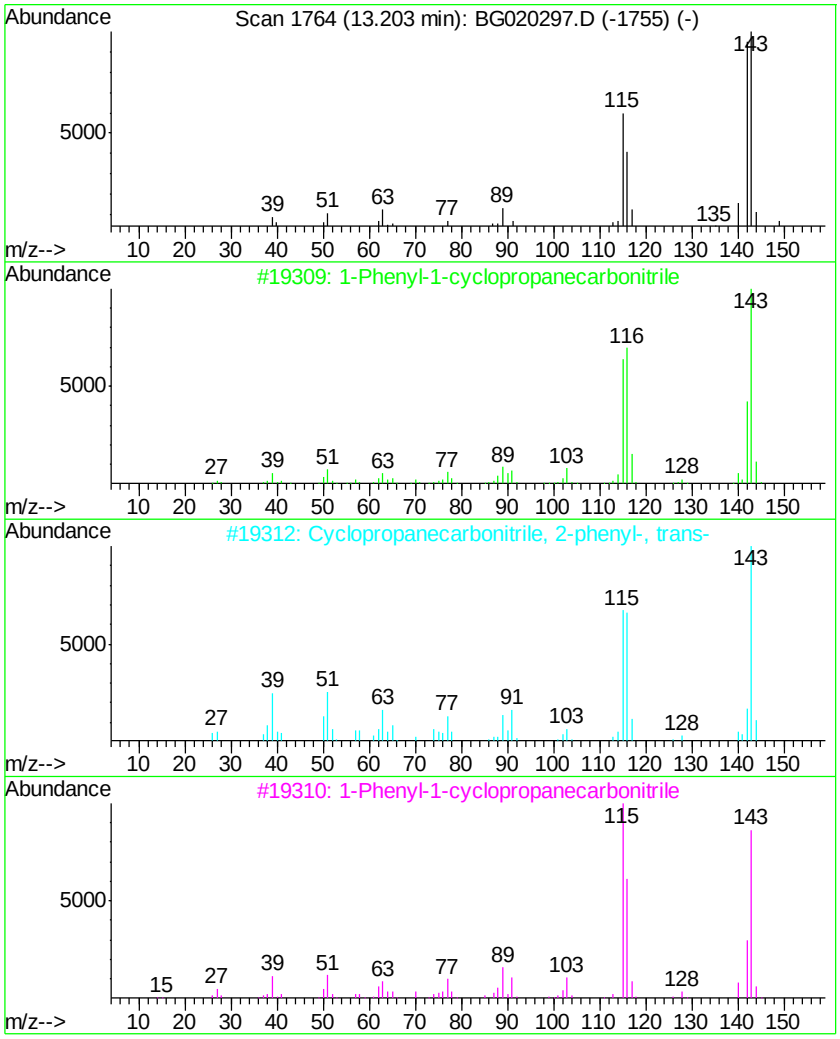
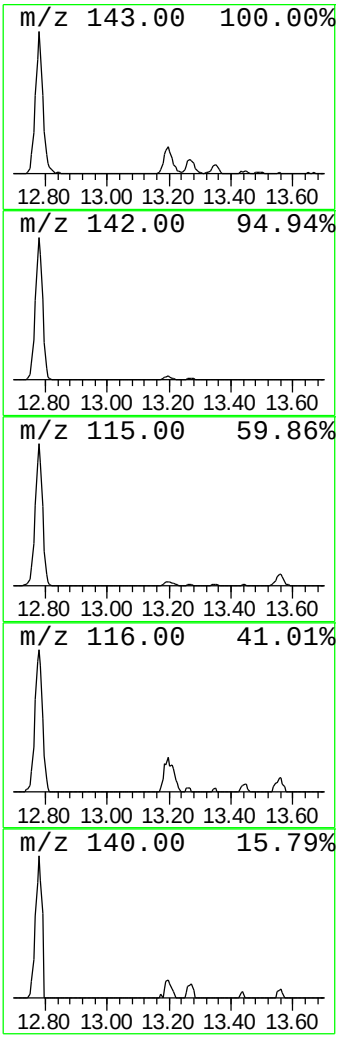
Peak Number 9 1-Phenyl-1-cyclopropanecarb... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.20	3.21 ng/ul	40712	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-cyclopropanecarbonitrile	143	C10H9N	000935-44-4	72
2	Cyclopropanecarbonitrile, 2-phen...	143	C10H9N	005590-14-7	70
3	1-Phenyl-1-cyclopropanecarbonitrile	143	C10H9N	000935-44-4	68
4	1-Naphthalenamine	143	C10H9N	000134-32-7	58
5	1-Propene, 3-cyano-1-phenyl-	143	C10H9N	1000164-96-2	58





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Instrument : BNA_G
ClientSampleId : D9N41

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Quant Title : SVOA CALIBRATION

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

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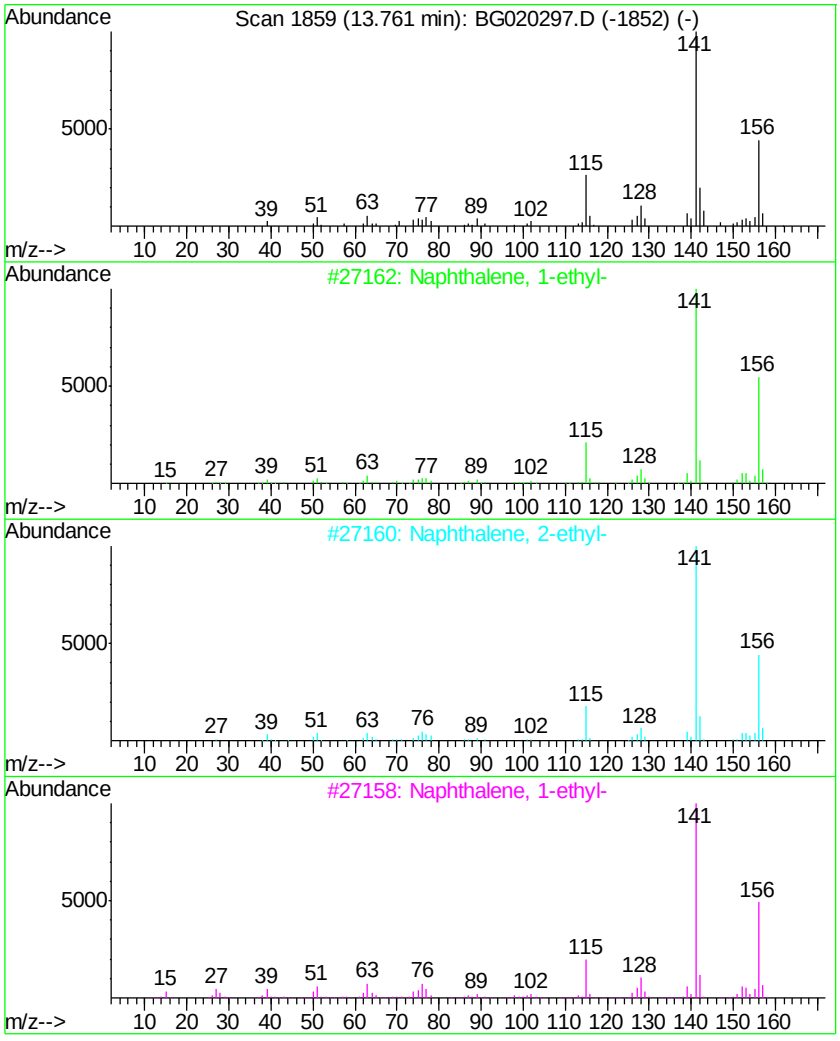
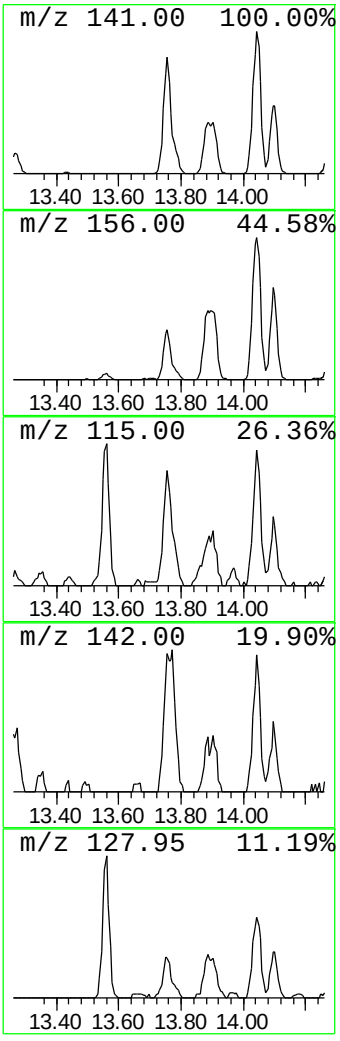
Peak Number 10 Naphthalene, 1-ethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	10.99 ng/ul	139211	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	93
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	93





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Instrument : BNA_G
ClientSampleId : D9N41

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Quant Title : SVOA CALIBRATION

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

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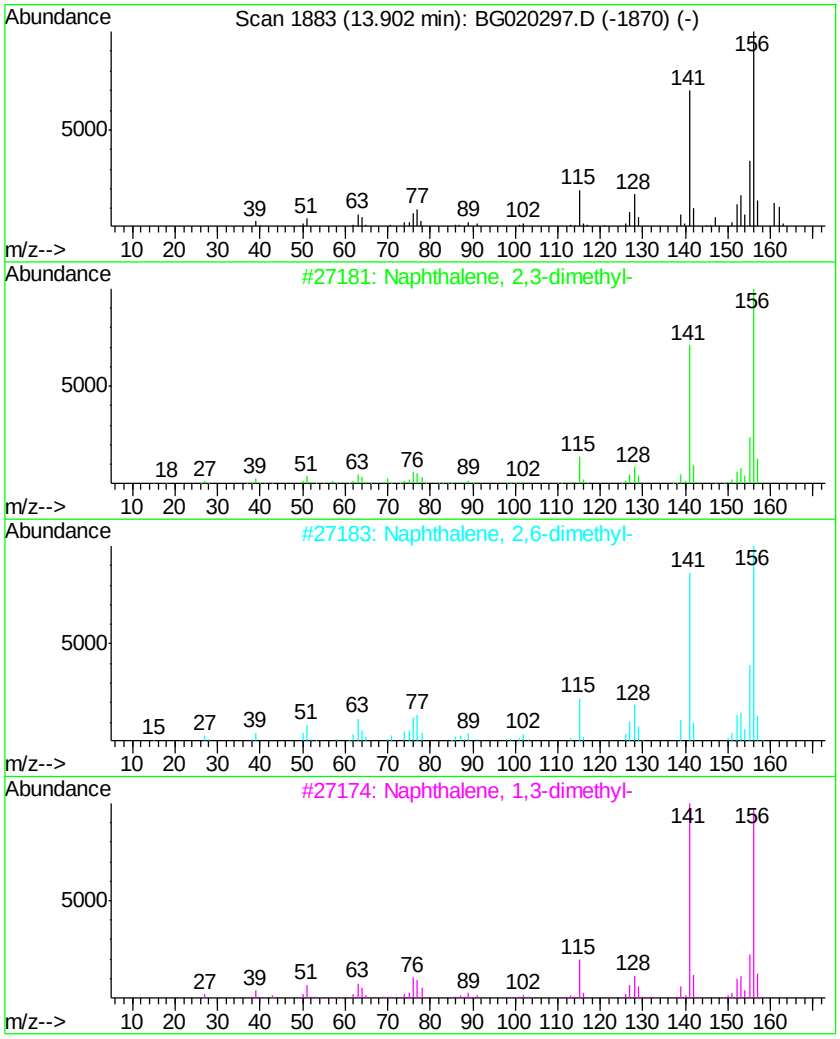
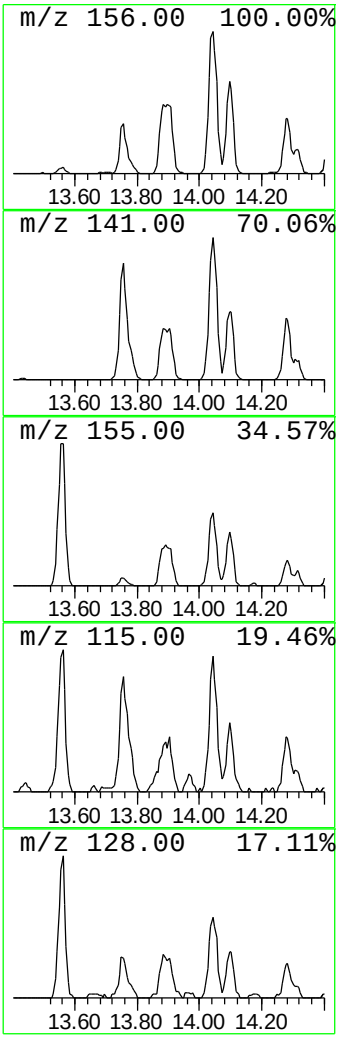
Peak Number 11 Naphthalene, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	13.16 ng/ul	166822	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95





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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 1-Naphthalenecarbonitrile Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	60.39 ng/ul	765223	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	94
3	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	93
4	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
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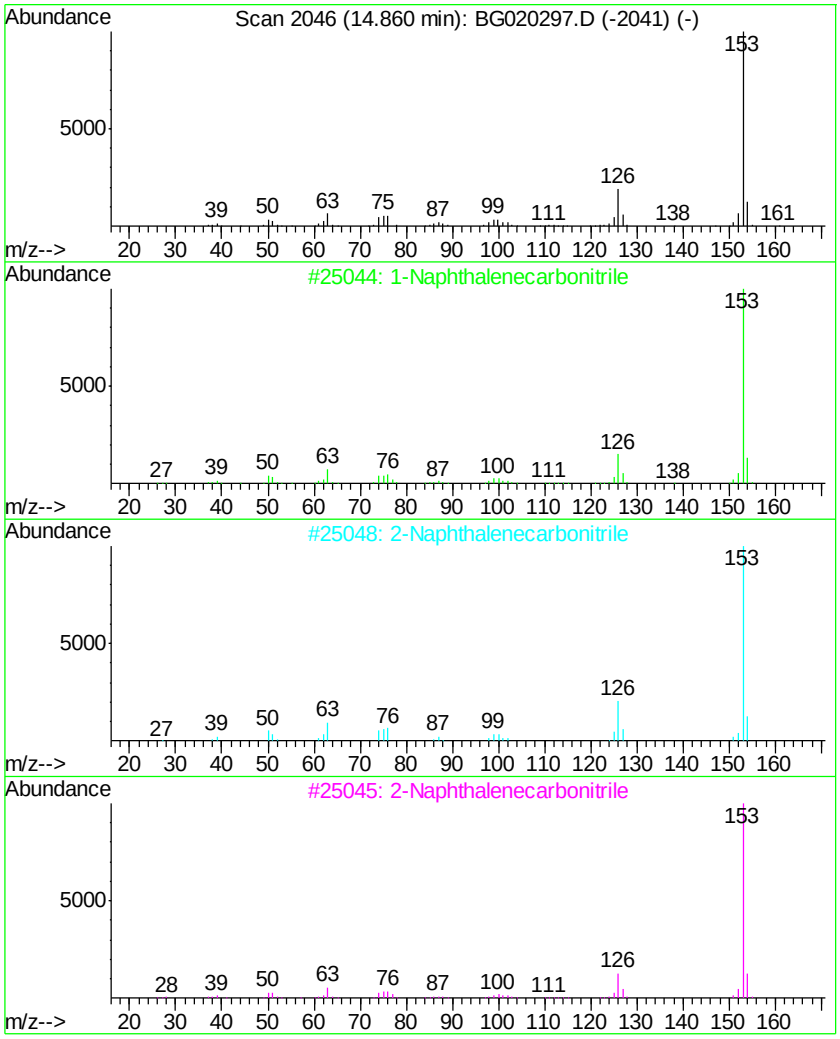

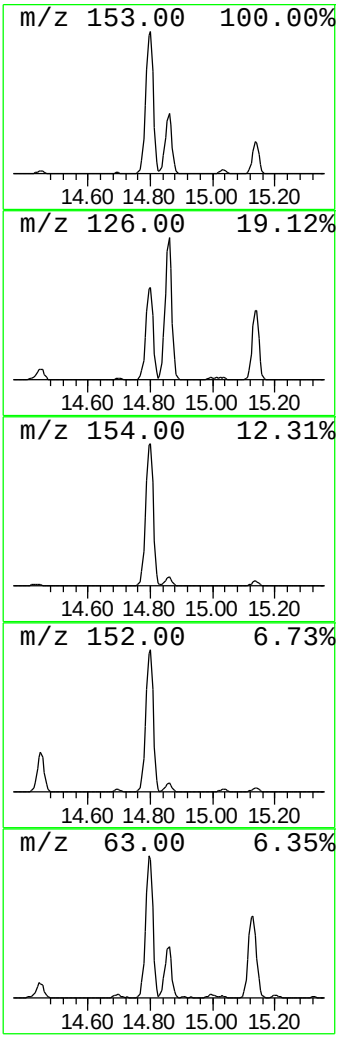

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ClientSampleId : D9N41

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Quant Title : SVOA CALIBRATION

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

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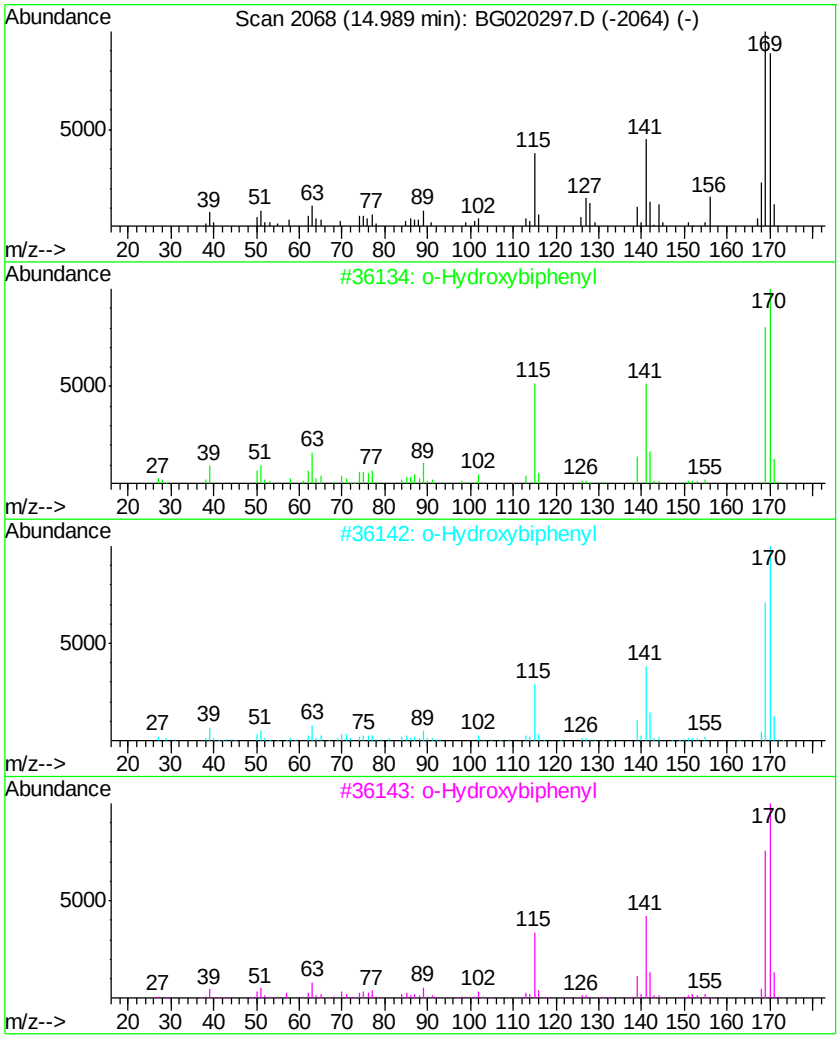
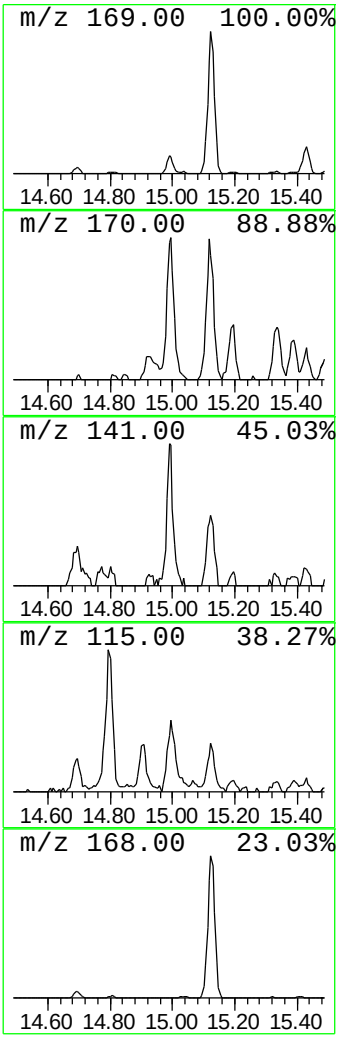
Peak Number 15 o-Hydroxybiphenyl Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.99	6.04 ng/ul	76505	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	90
2	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	81
3	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	76
4	Benzaldehyde, 3-fluoro-5-hydroxy...	170	C8H7FO3	079418-74-9	49
5	Urea, N-(2-naphtalenyl)-N'-(4-qu...	313	C20H15N3O	1000258-84-6	47





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Quant Title : SVOA CALIBRATION

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

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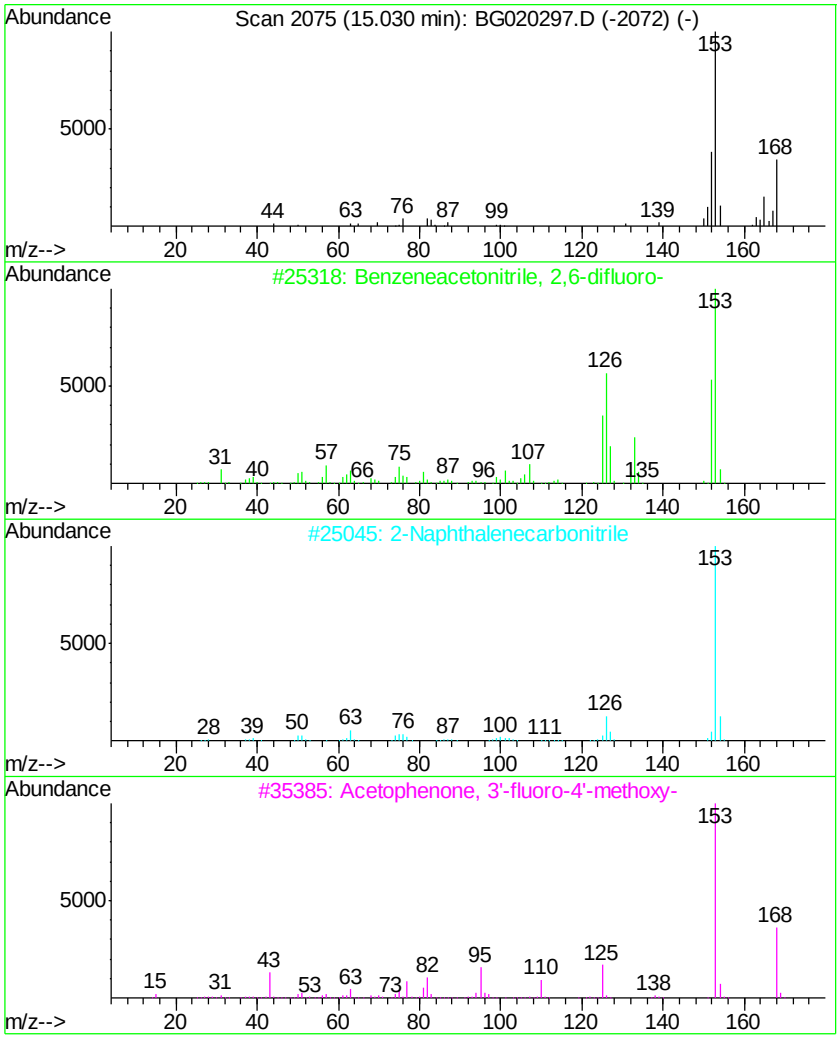
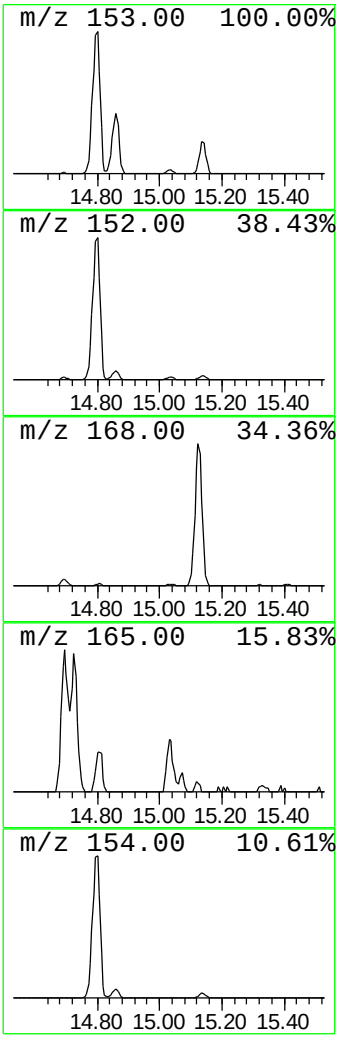
Peak Number 16 unknown-01 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	6.01 ng/ul	76135	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetonitrile, 2,6-difluoro-	153	C8H5F2N	000654-01-3	40
2	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	23
3	Acetophenone, 3'-fluoro-4'-methoxy-	168	C9H9FO2	000455-91-4	9
4	1,3,5-Triazine, 2-amino-4-methyl...	153	C6H11N5	021320-31-0	9
5	2,4(1H,3H)-Pyrimidinedione, 5-(1...	168	C8H12N2O2	017432-97-2	9





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Quant Title : SVOA CALIBRATION

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

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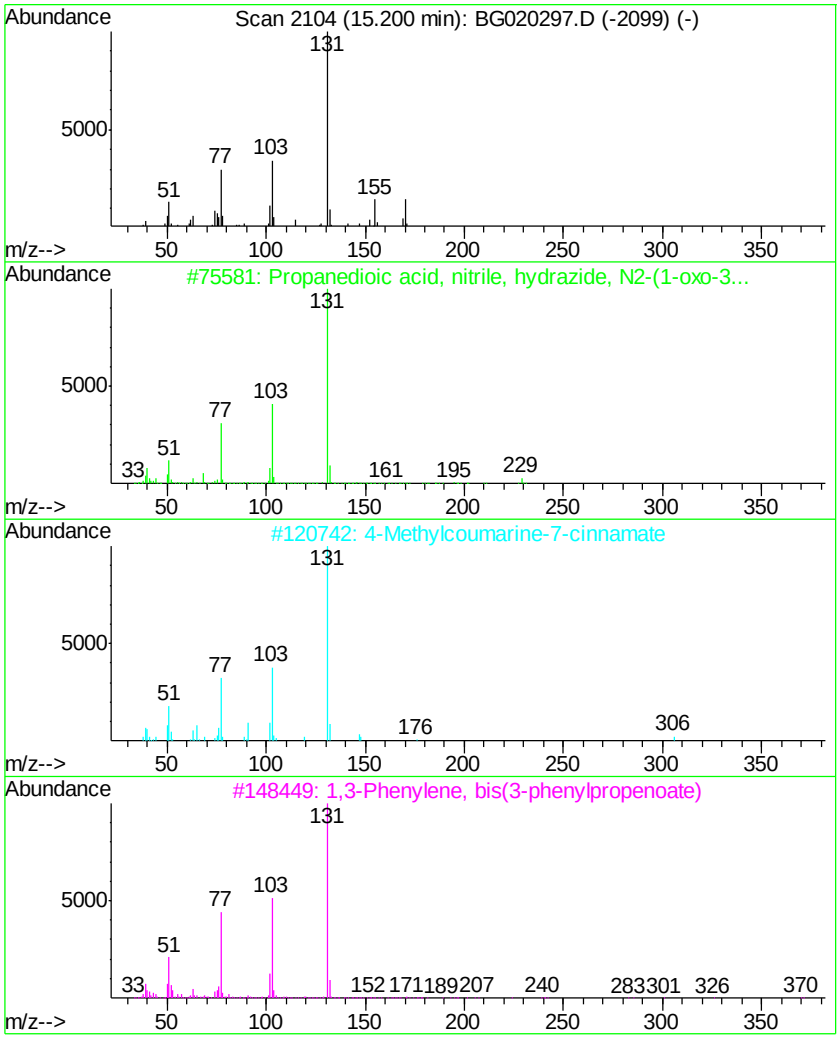
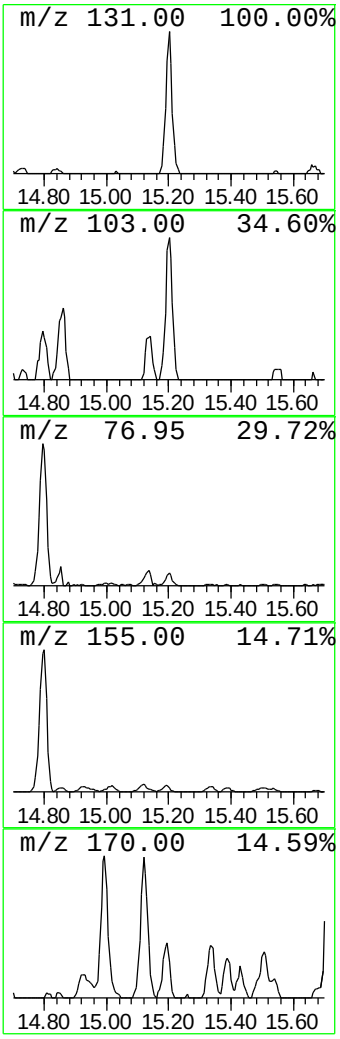
Peak Number 17 Propanedioic acid, nitrile,... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	4.64 ng/ul	58772	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanedioic acid, nitrile, hydr...	229	C12H11N3O2	294878-35-6	72
2	4-Methylcoumarine-7-cinnamate	306	C19H14O4	300829-05-4	64
3	1,3-Phenylene, bis(3-phenylprope...	370	C24H18O4	1000259-62-4	64
4	2-Propenoyl chloride, 3-phenyl-	166	C9H7ClO	000102-92-1	59
5	2-Propenoyl chloride, 3-phenyl-,...	166	C9H7ClO	017082-09-6	59





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Quant Title : SVOA CALIBRATION

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

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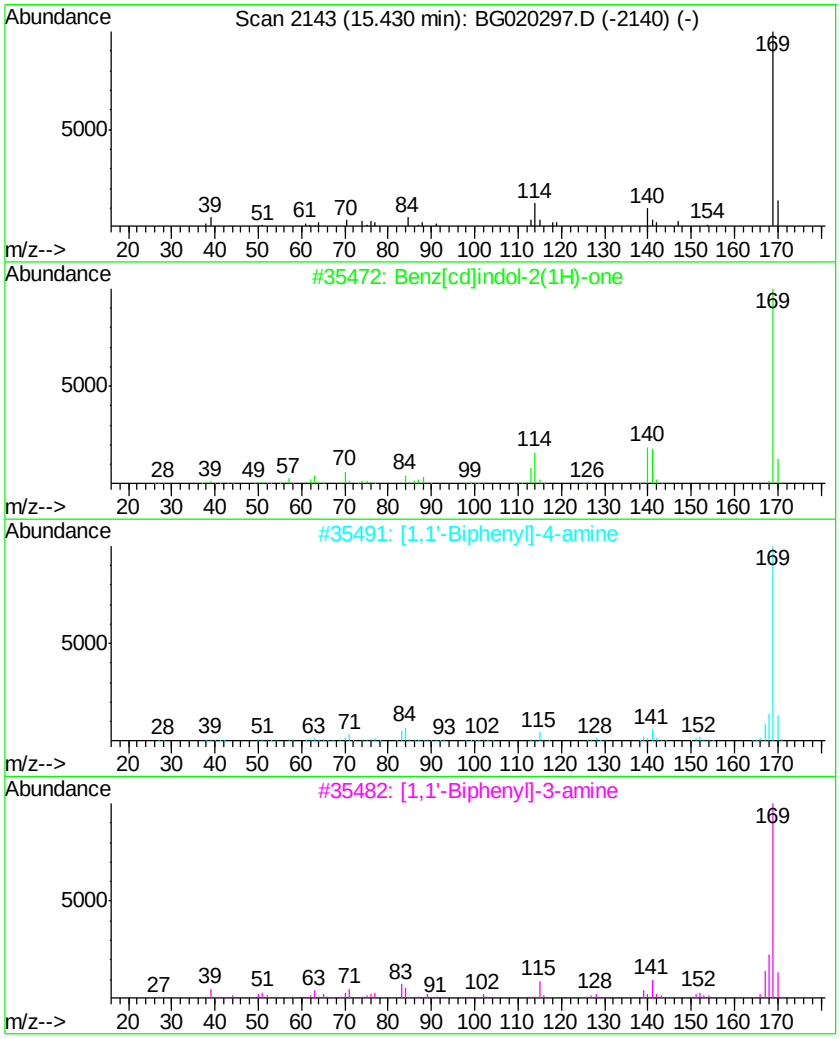
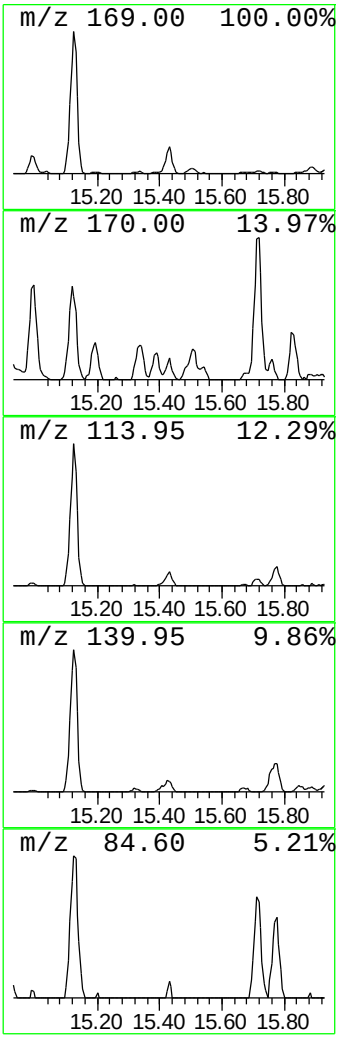
Peak Number 18 Benz[cd]indol-2(1H)-one Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	2.86 ng/ul	36208	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[cd]indol-2(1H)-one	169	C11H7NO	000130-00-7	72
2	[1,1'-Biphenyl]-4-amine	169	C12H11N	000092-67-1	64
3	[1,1'-Biphenyl]-3-amine	169	C12H11N	002243-47-2	59
4	Diphenylamine	169	C12H11N	000122-39-4	59
5	[1,1'-Biphenyl]-4-amine	169	C12H11N	000092-67-1	59





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Quant Title : SVOA CALIBRATION

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

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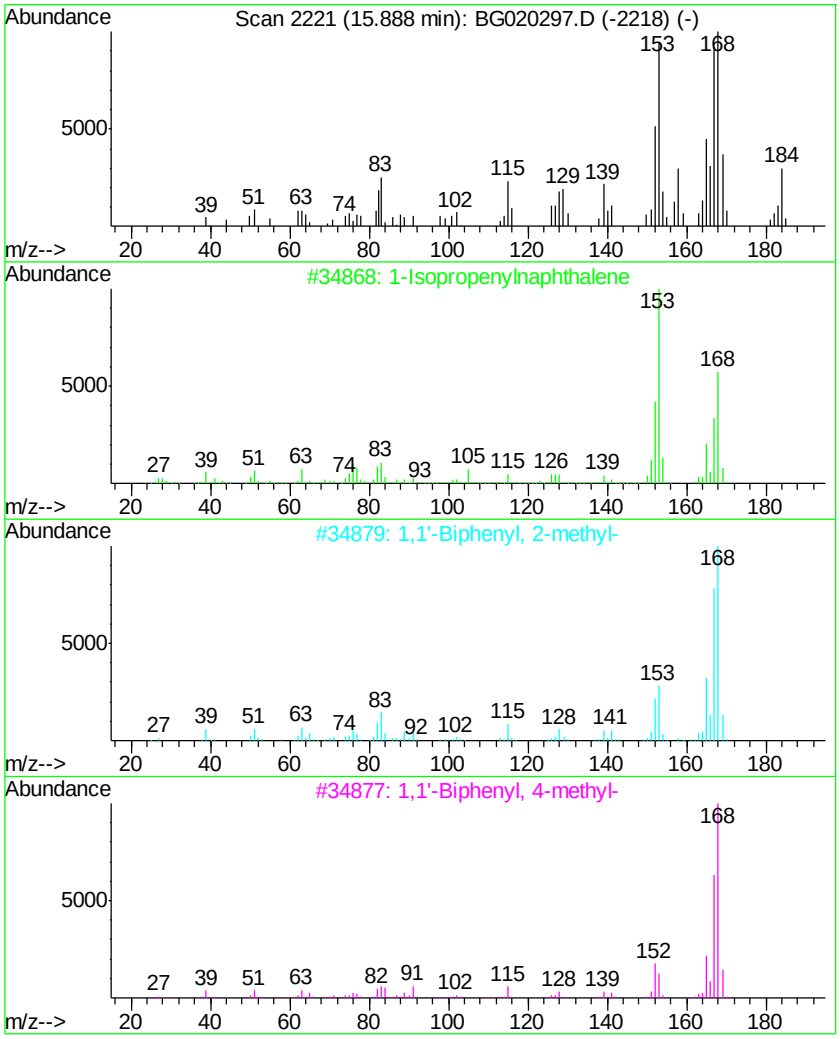
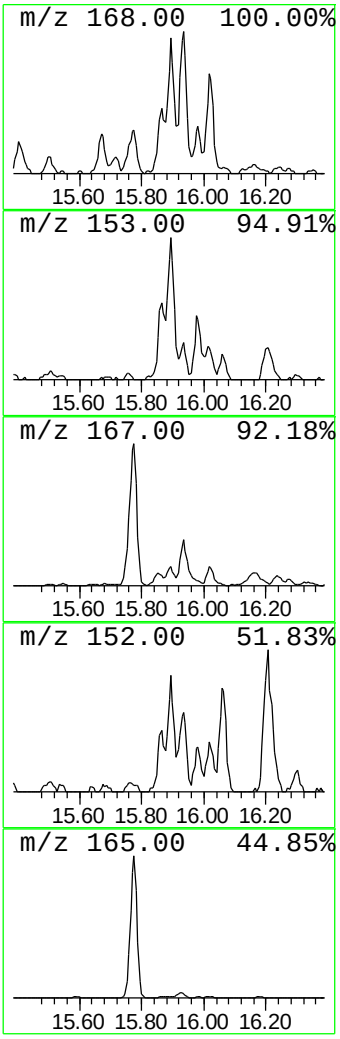
Peak Number 19 1-Isopropenylnaphthalene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.89	11.40 ng/ul	144407	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	74
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	64
3	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	60
4	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	58
5	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	58





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Quant Title : SVOA CALIBRATION

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

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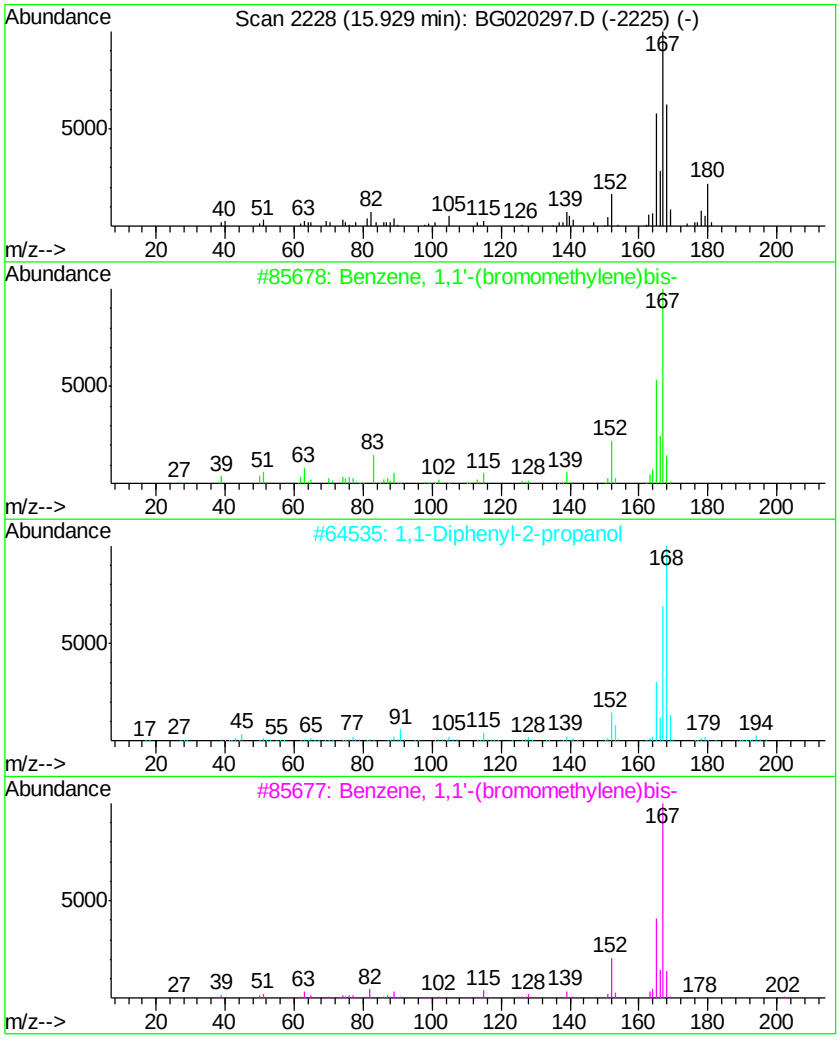
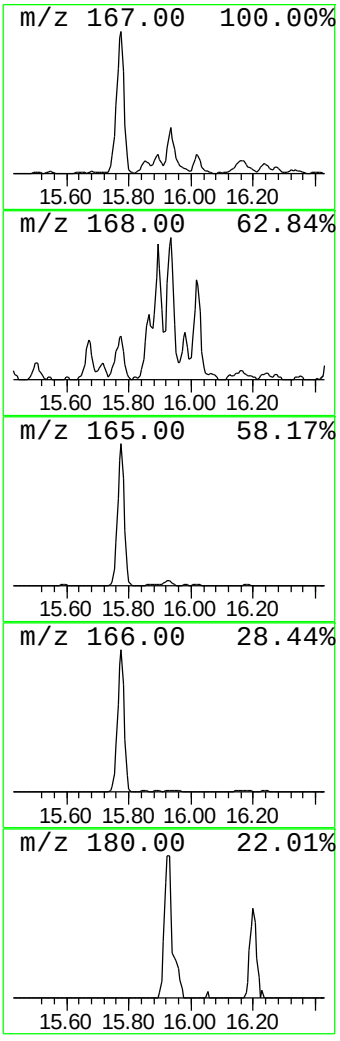
Peak Number 20 Benzene, 1,1'-(bromomethyle... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	13.06 ng/ul	165509	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	53
2	1,1-Diphenyl-2-propanol	212	C15H16O	029338-49-6	47
3	Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	43
4	Nordiphenamid	225	C15H15NO	000954-21-2	43
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	38





Library Search Compound Report

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Acq On : 19 Dec 2015 5:30
Operator : UM/SJ
Sample : G4768-17
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N41

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Quant Title : SVOA CALIBRATION

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

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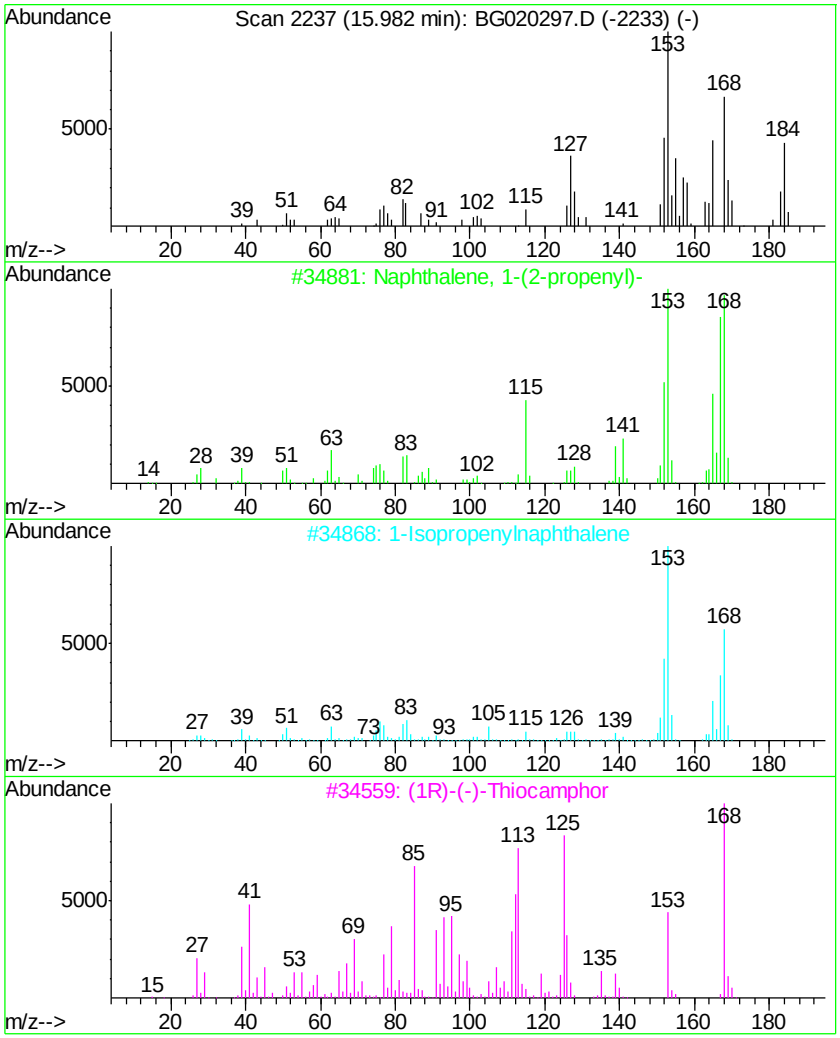
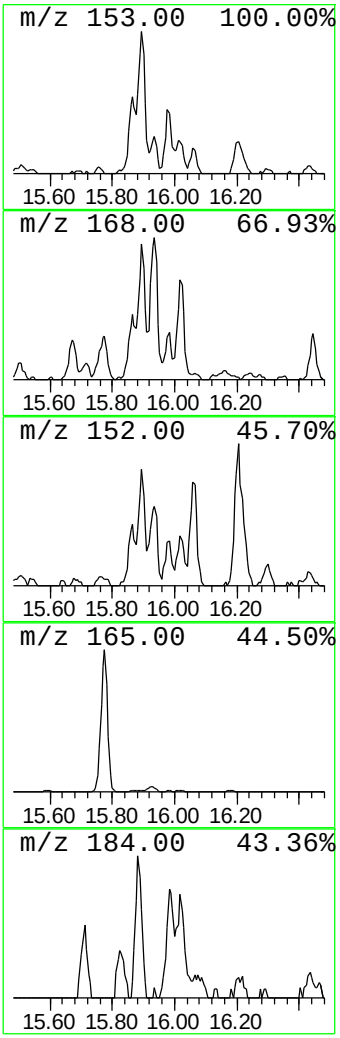
Peak Number 21 unknown-02 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.98	6.34 ng/ul	80368	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	43
2	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	43
3	(1R)-(-)-Thiocamphor	168	C10H16S	053402-10-1	41
4	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	38
5	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	38





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Sample : G4768-17
Misc :
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Instrument : BNA_G
ClientSampleId : D9N41

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Quant Title : SVOA CALIBRATION

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

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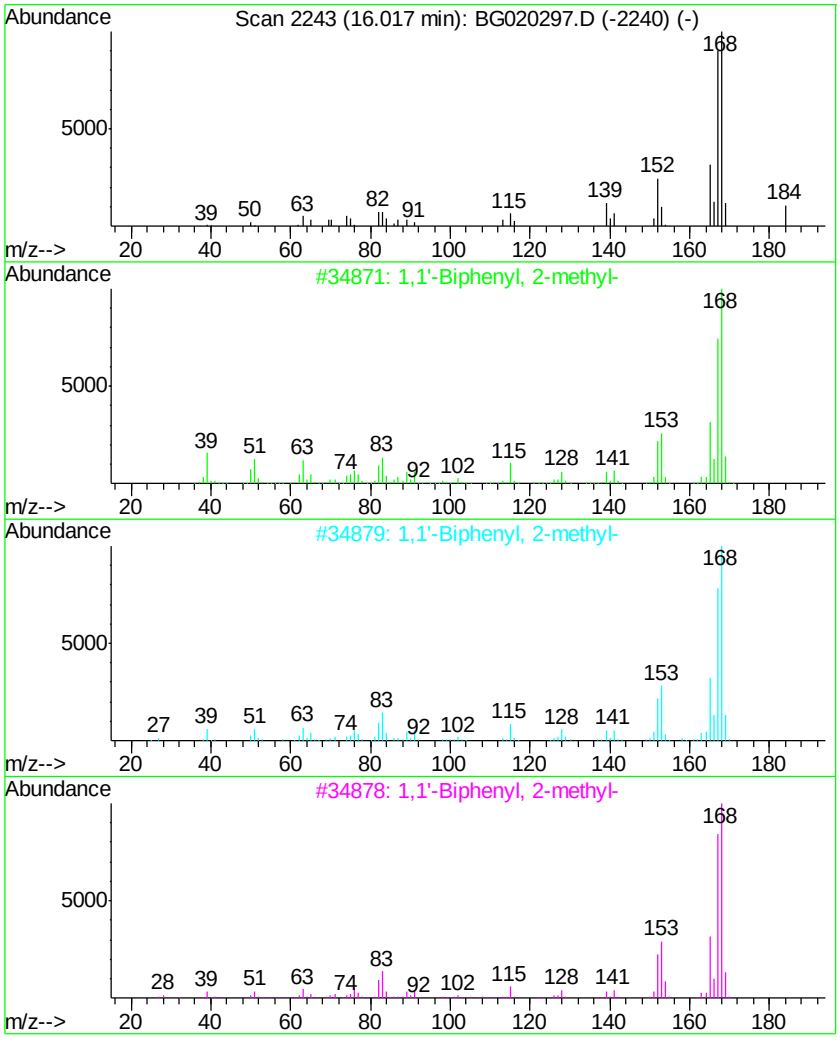
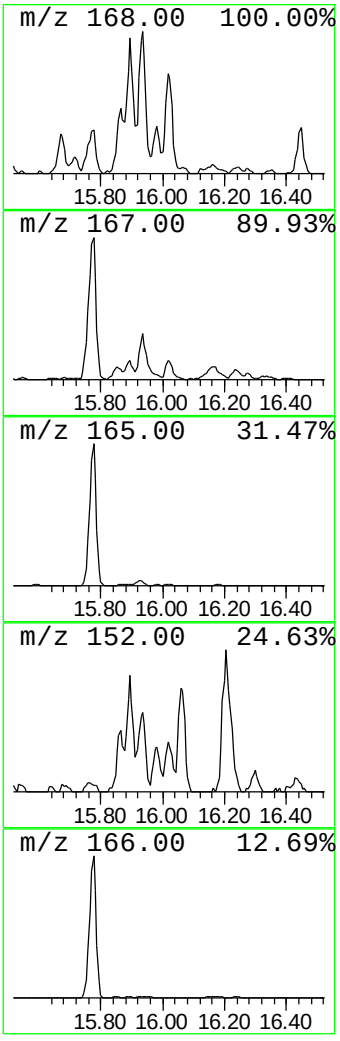
Peak Number 22 1,1'-Biphenyl, 2-methyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	5.90 ng/ul	74795	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	74
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	74
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	74
4	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	74
5	Diphenylmethane	168	C13H12	000101-81-5	72





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Instrument : BNA_G
ClientSampleId : D9N41

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Quant Title : SVOA CALIBRATION

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

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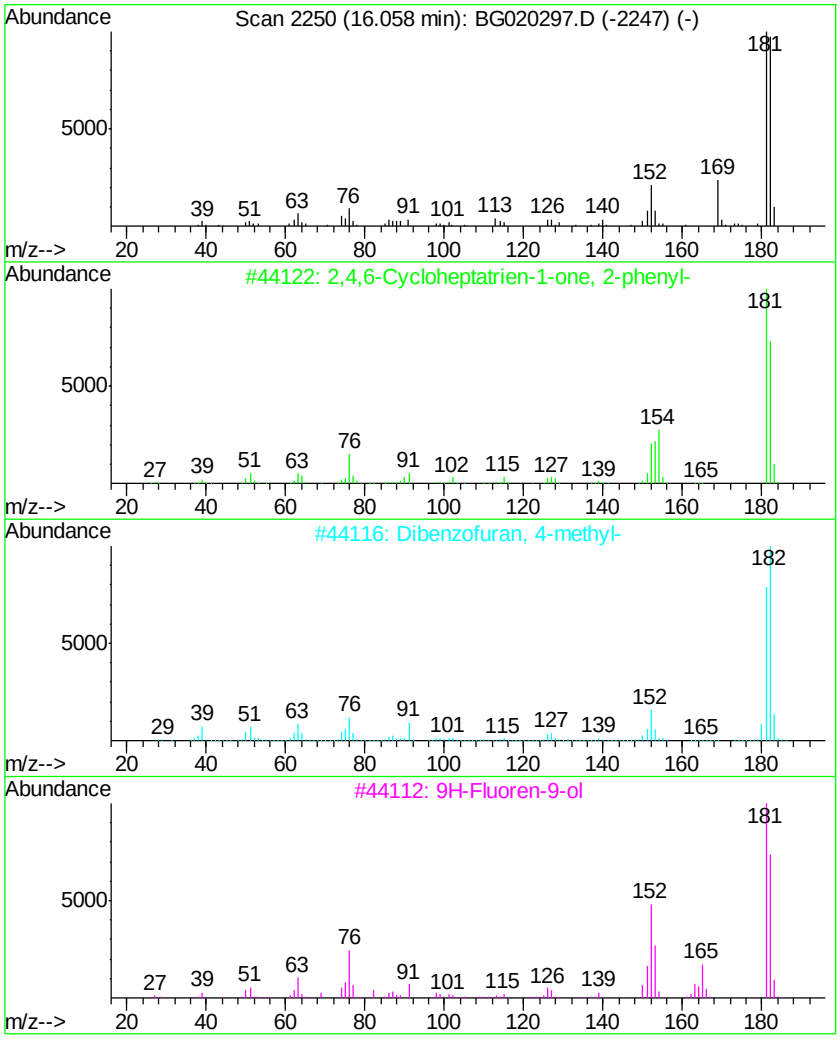
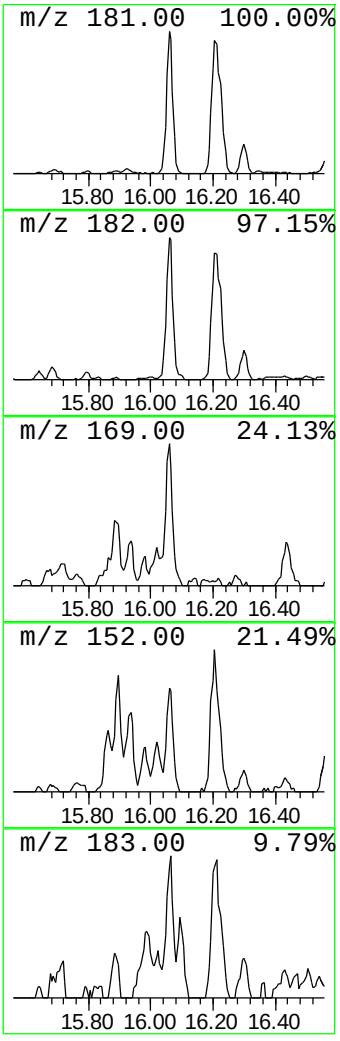
Peak Number 23 2,4,6-Cycloheptatrien-1-one... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	10.70 ng/ul	135603	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	74
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	72
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64
5	2-Hydroxyfluorene	182	C13H10O	002443-58-5	50





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Instrument : BNA_G
ClientSampleId : D9N41

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

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

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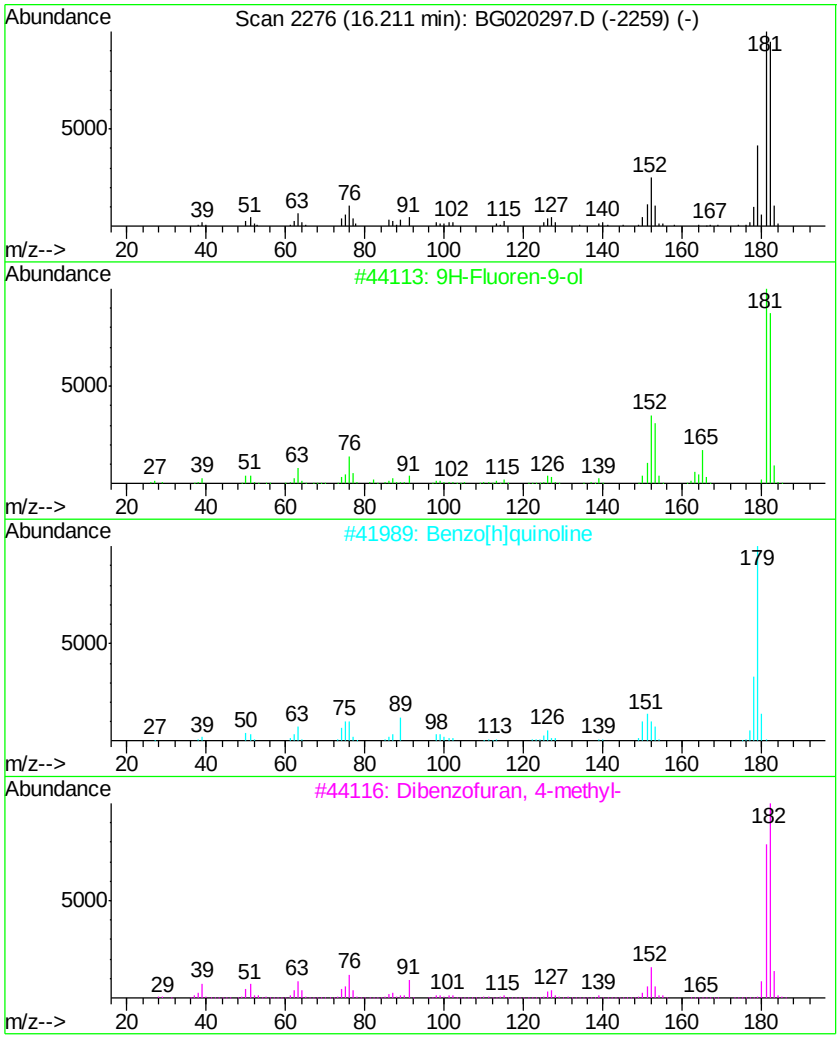
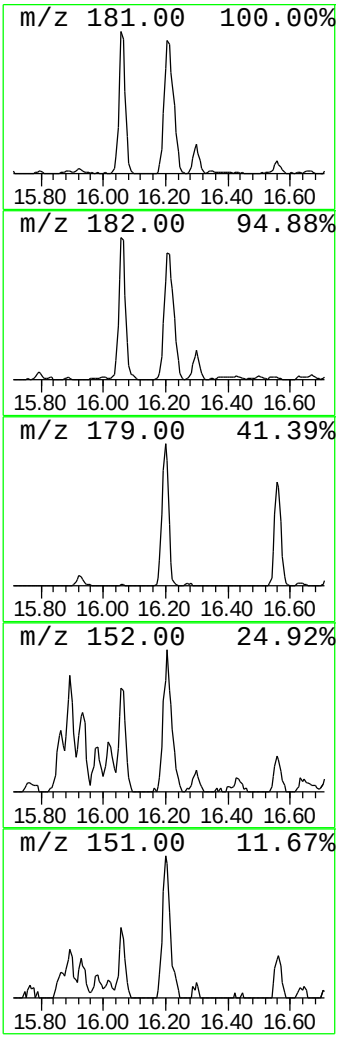
Peak Number 24 9H-Fluoren-9-ol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.21	17.82 ng/ul	307342	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	58
2	Benzo[h]quinoline	179	C13H9N	000230-27-3	56
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	49
4	Benzo[h]isoquinoline	179	C13H9N	000229-71-0	46
5	[1,1'-Biphenyl]-2-carbonitrile	179	C13H9N	024973-49-7	46





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ClientSampleId : D9N41

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Quant Title : SVOA CALIBRATION

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

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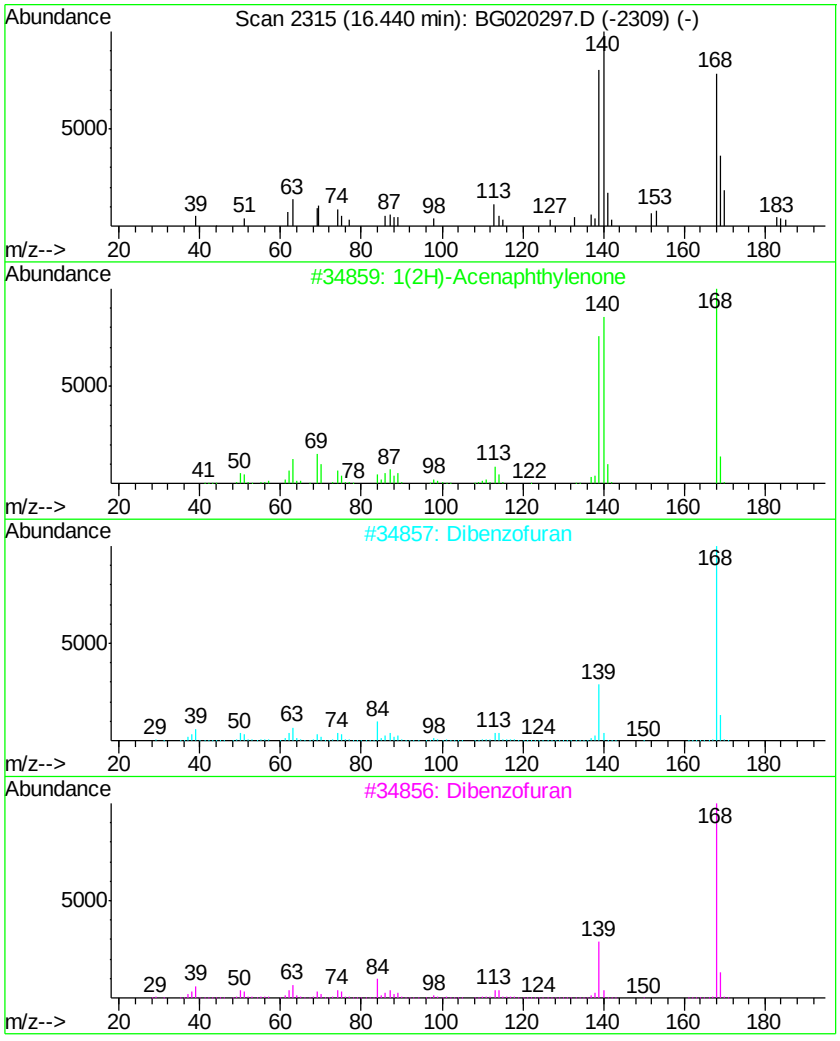
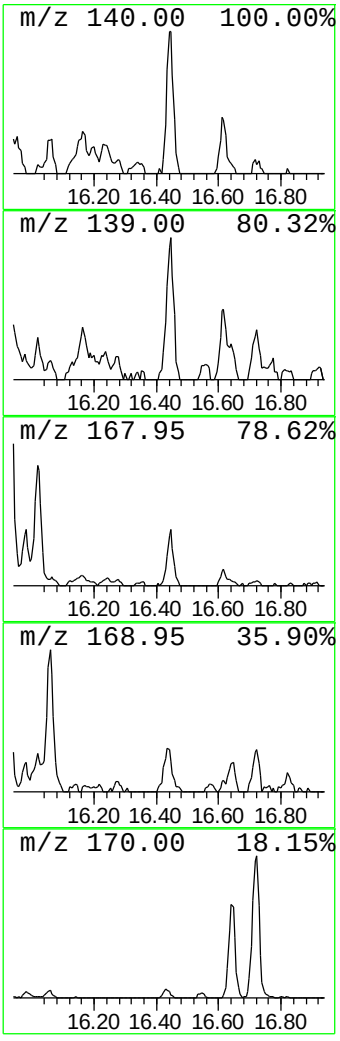
Peak Number 25 1(2H)-Acenaphthylenone Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.44	2.41 ng/ul	41508	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	94
2	Dibenzofuran	168	C12H8O	000132-64-9	49
3	Dibenzofuran	168	C12H8O	000132-64-9	49
4	Oxidopamine	169	C8H11NO3	001199-18-4	47
5	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	47





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Sample : G4768-17
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Quant Title : SVOA CALIBRATION

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

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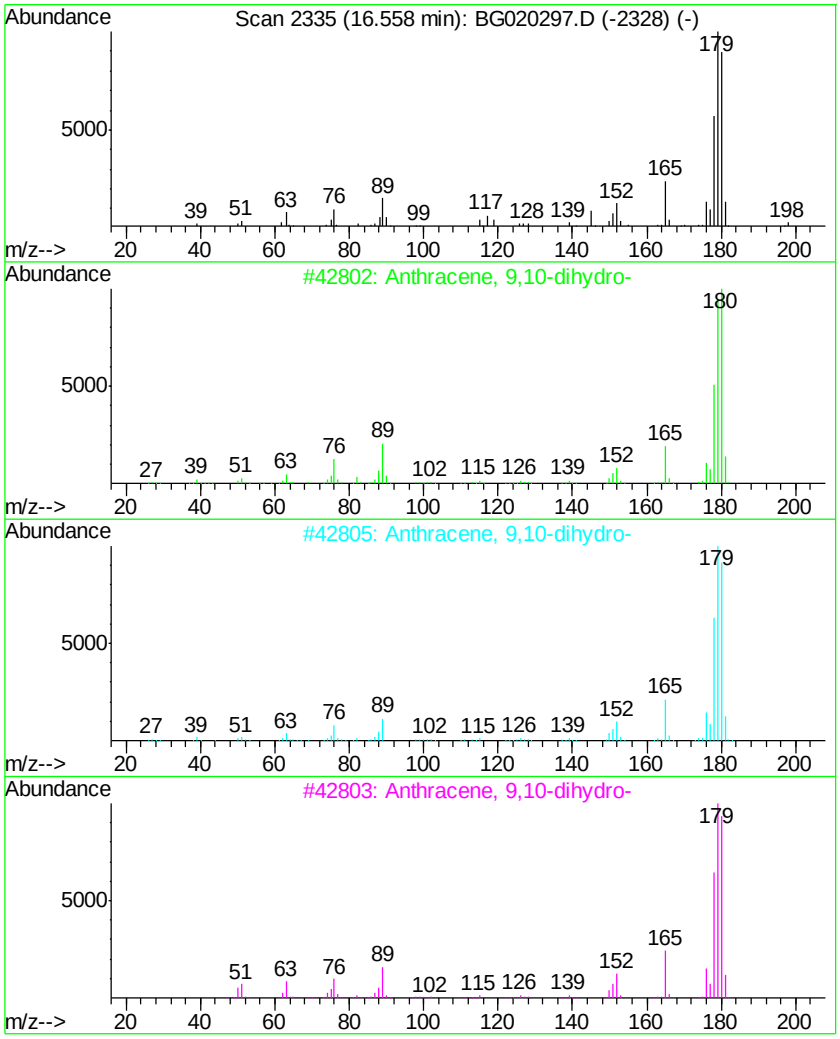
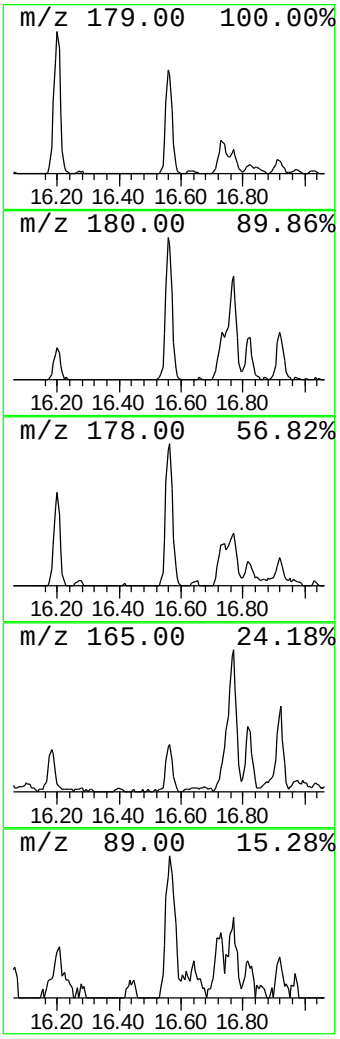
Peak Number 26 Anthracene, 9,10-dihydro- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.56	6.57 ng/ul	113326	Phenanthrene-d10	17.47

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





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Sample : G4768-17
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Instrument : BNA_G
ClientSampleId : D9N41

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Quant Title : SVOA CALIBRATION

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

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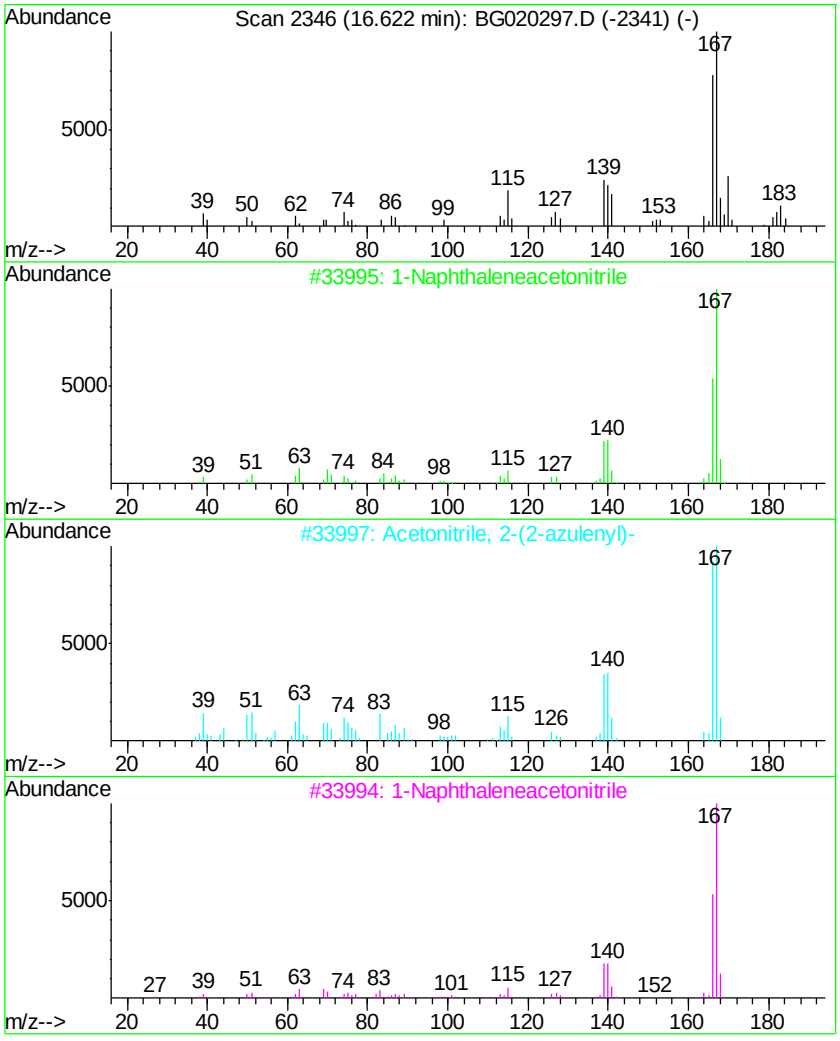
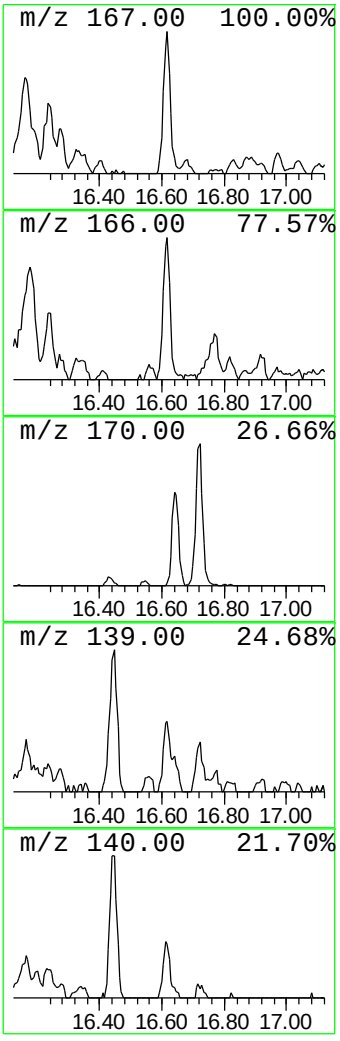
Peak Number 27 1-Naphthaleneacetonitrile Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.62	2.41 ng/ul	41574	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthaleneacetonitrile	167	C12H9N	000132-75-2	93
2	Acetonitrile, 2-(2-azulenyl)-	167	C12H9N	054798-12-8	93
3	1-Naphthaleneacetonitrile	167	C12H9N	000132-75-2	90
4	2-[1-Naphthyl]-3-oxobutyronitrile	209	C14H11NO	031573-38-3	72
5	1-Cyano-4-methylnaphthalene	167	C12H9N	036062-93-8	58





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ClientSampleId : D9N41

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Quant Title : SVOA CALIBRATION

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

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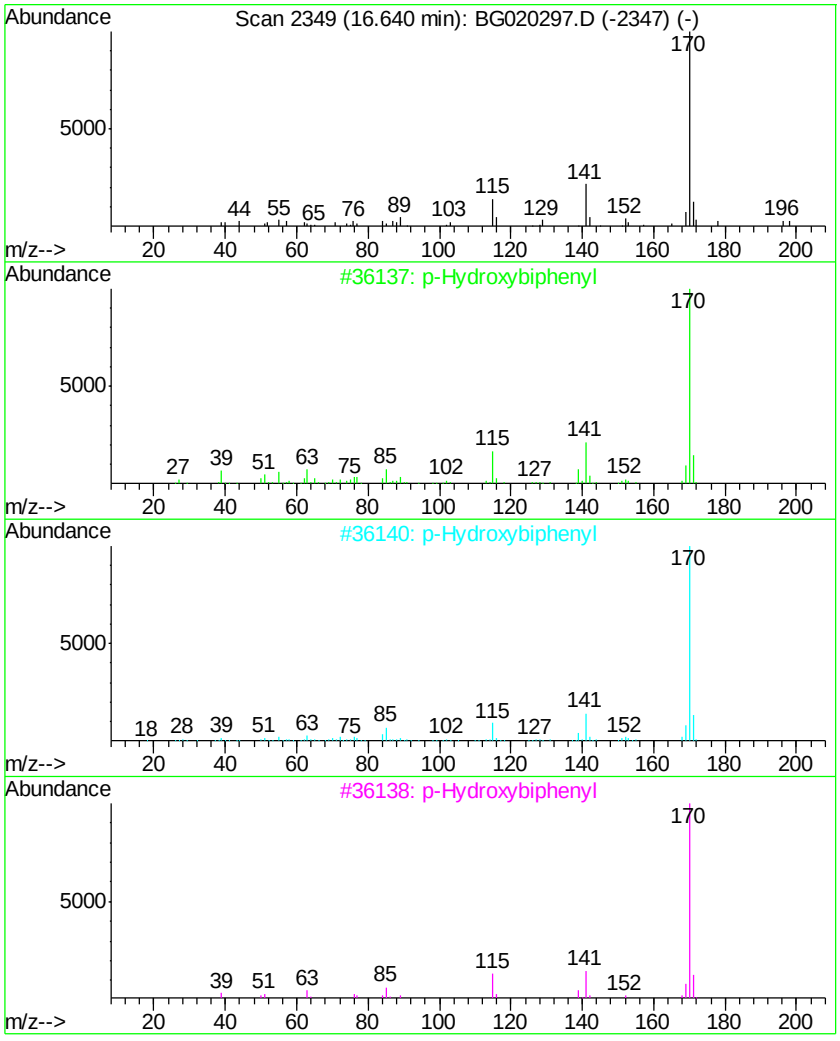
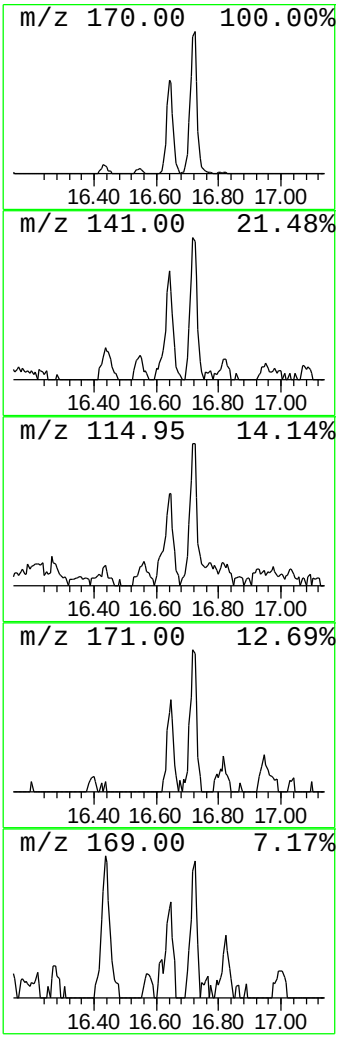
Peak Number 28 p-Hydroxybiphenyl Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.64	2.73 ng/ul	47015	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	87
2	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	86
3	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	86
4	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	78
5	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	72





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Quant Title : SVOA CALIBRATION

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

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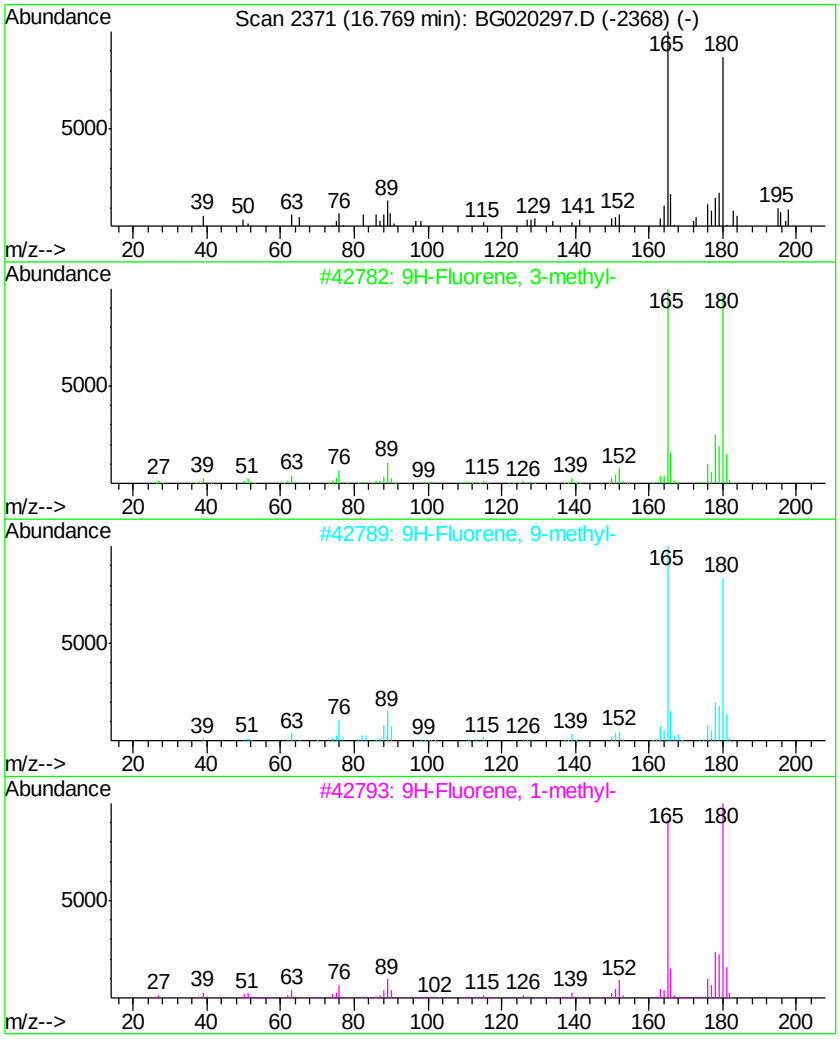
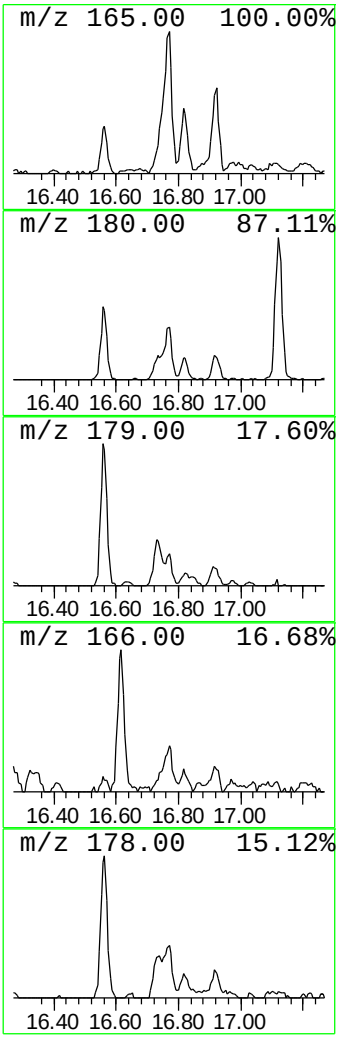
Peak Number 30 9H-Fluorene, 3-methyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	3.86 ng/ul	66647	Phenanthrene-d10	17.47

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





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Quant Title : SVOA CALIBRATION

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

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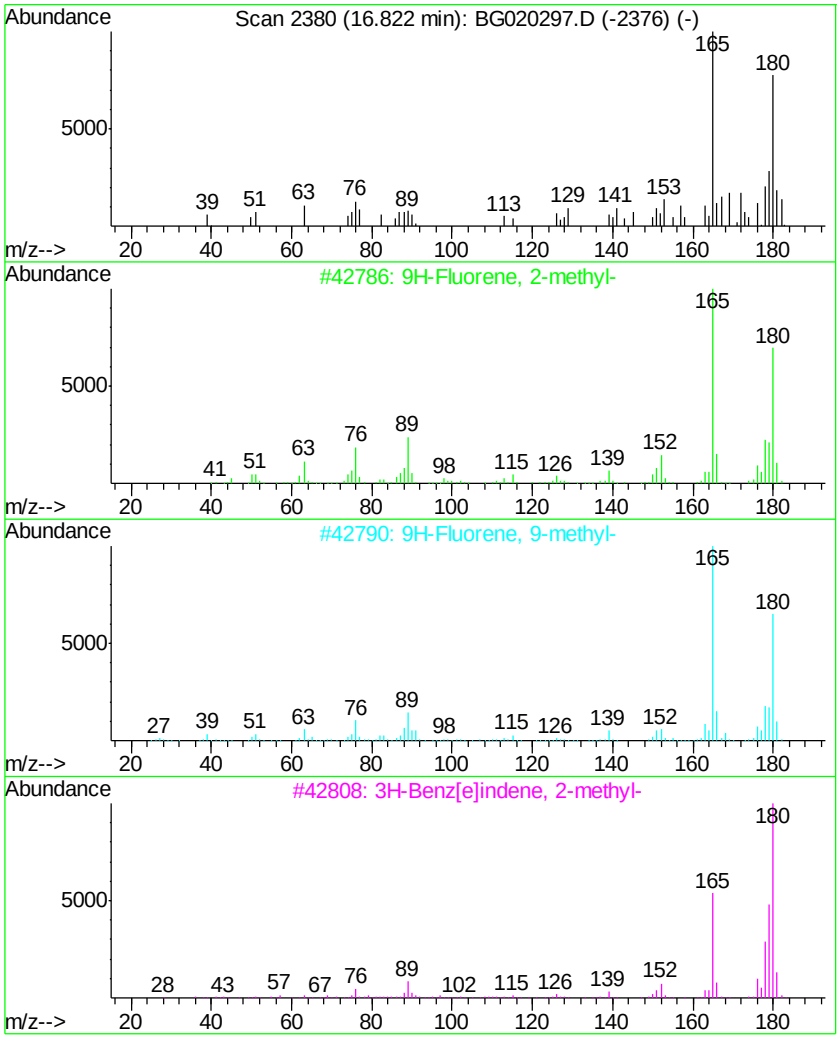
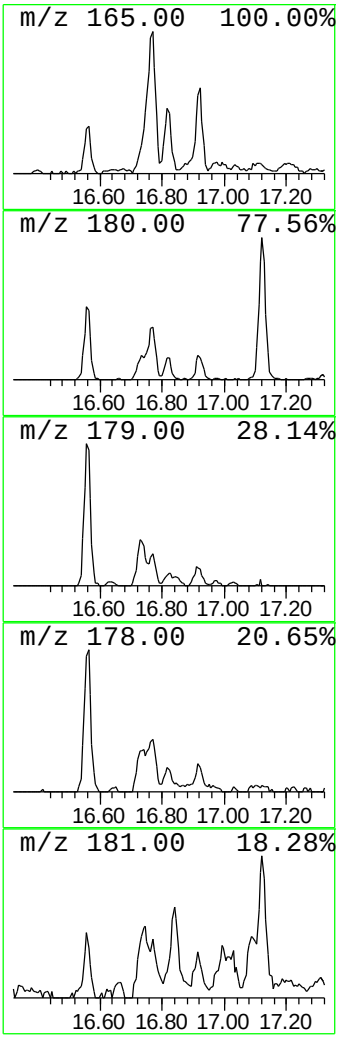
Peak Number 31 9H-Fluorene, 2-methyl- Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.82	2.53 ng/ul	43633	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	70
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	70
3	3H-Benz[e]indene, 2-methyl-	180	C14H12	150096-60-9	70
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	70
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	62





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Quant Title : SVOA CALIBRATION

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

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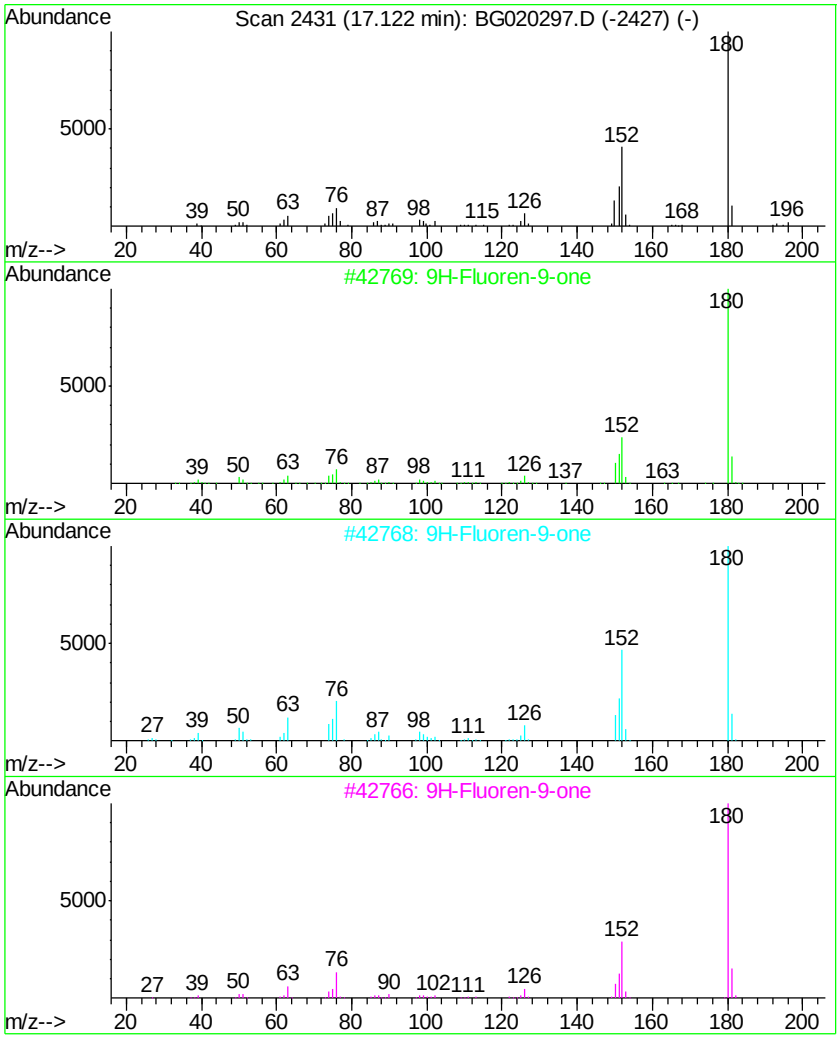
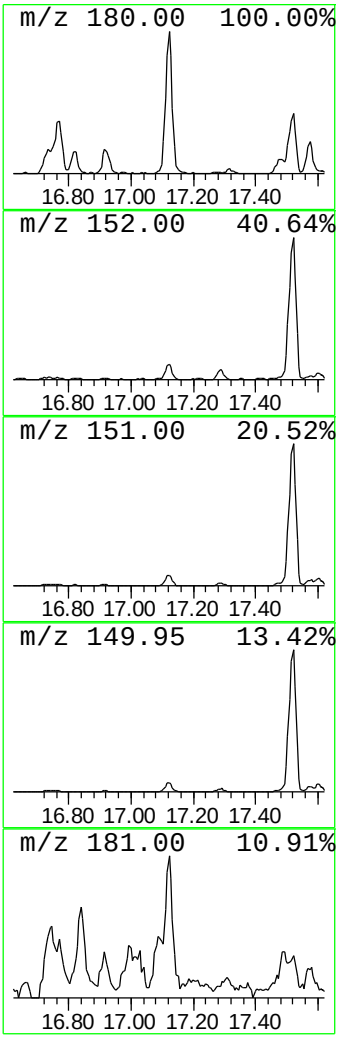
Peak Number 33 9H-Fluoren-9-one Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.12	6.43 ng/ul	110910	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	94
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	72





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Sample : G4768-17
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Instrument : BNA_G
ClientSampleId : D9N41

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Quant Title : SVOA CALIBRATION

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

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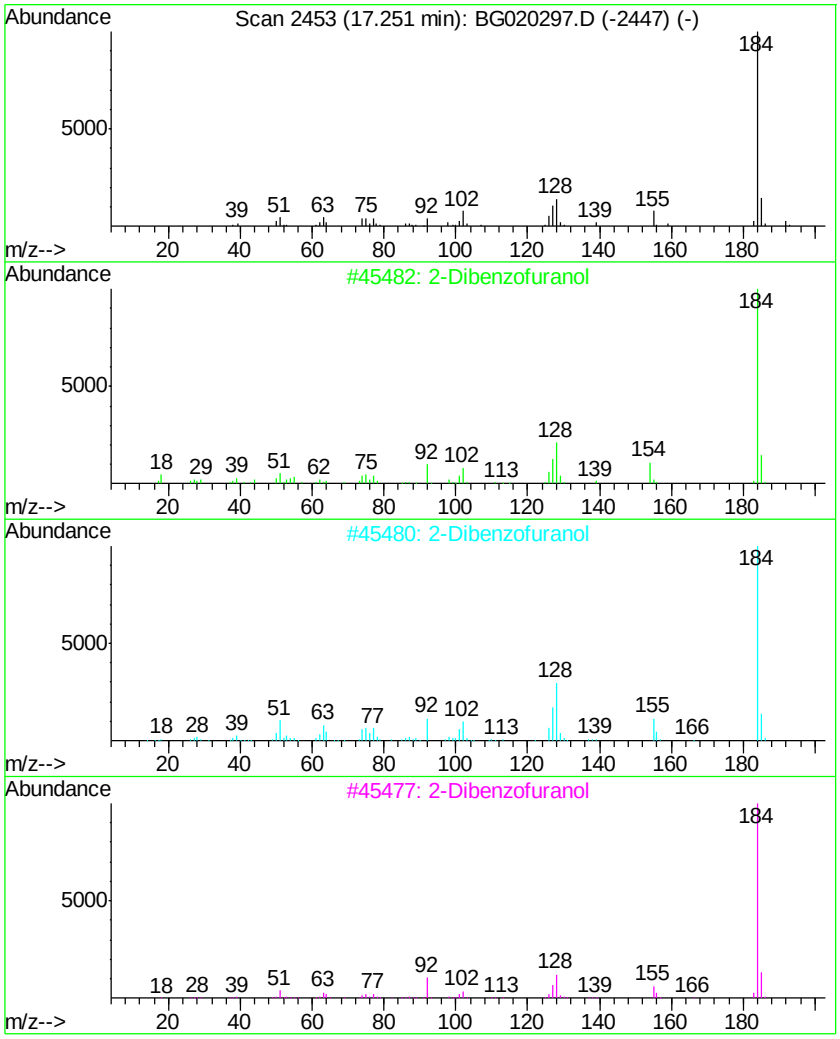
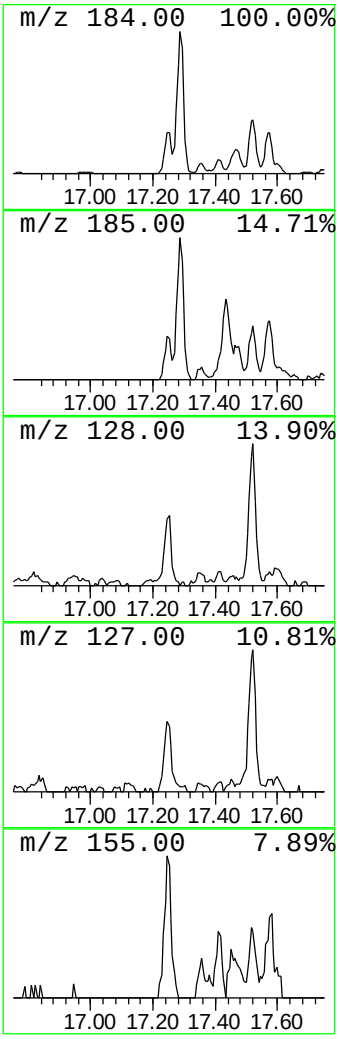
Peak Number 34 2-Dibenzofuranol Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.25	3.79 ng/ul	65294	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Dibenzofuranol	184	C12H8O2	000086-77-1	91
2	2-Dibenzofuranol	184	C12H8O2	000086-77-1	90
3	2-Dibenzofuranol	184	C12H8O2	000086-77-1	90
4	Dibenzo-p-dioxin	184	C12H8O2	000262-12-4	87
5	Dibenzo-p-dioxin	184	C12H8O2	000262-12-4	80





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
Data File : BG020297.D
Acq On : 19 Dec 2015 5:30
Operator : UM/SJ
Sample : G4768-17
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N41

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	3.20	7.8	ng/ul	43249	1	8.09	111151	20.0
Indane	8.47	11.1	ng/ul	61691	1	8.09	111151	20.0
Benzene, 1-propynyl-	8.63	86.6	ng/ul	481417	1	8.09	111151	20.0
Benzofuran, 2-met...	9.58	6.2	ng/ul	47676	2	10.92	154589	20.0
2-Benzothiophene #	11.09	43.7	ng/ul	338104	2	10.92	154589	20.0
Benzo[b]thiophene...	12.46	6.0	ng/ul	46477	2	10.92	154589	20.0
Benzo[b]thiophene...	12.67	8.3	ng/ul	64247	2	10.92	154589	20.0
1-Phenyl-1-cyclop...	13.20	3.2	ng/ul	40712	3	14.72	253446	20.0
Naphthalene, 1-et...	13.76	11.0	ng/ul	139211	3	14.72	253446	20.0
Naphthalene, 2,3-...	13.90	13.2	ng/ul	166822	3	14.72	253446	20.0
1-Naphthalenecarb...	14.86	60.4	ng/ul	765223	3	14.72	253446	20.0
o-Hydroxybiphenyl	14.99	6.0	ng/ul	76505	3	14.72	253446	20.0
unknown-01	15.03	6.0	ng/ul	76135	3	14.72	253446	20.0
Propanedioic acid...	15.20	4.6	ng/ul	58772	3	14.72	253446	20.0
Benz[cd]indol-2(1...	15.43	2.9	ng/ul	36208	3	14.72	253446	20.0
1-Isopropenylnaph...	15.89	11.4	ng/ul	144407	3	14.72	253446	20.0
Benzene, 1,1'-(br...	15.93	13.1	ng/ul	165509	3	14.72	253446	20.0
unknown-02	15.98	6.3	ng/ul	80368	3	14.72	253446	20.0
1,1'-Biphenyl, 2-...	16.02	5.9	ng/ul	74795	3	14.72	253446	20.0
2,4,6-Cycloheptat...	16.06	10.7	ng/ul	135603	3	14.72	253446	20.0
9H-Fluoren-9-ol	16.21	17.8	ng/ul	307342	4	17.47	344904	20.0
1(2H)-Acenaphthyl...	16.44	2.4	ng/ul	41508	4	17.47	344904	20.0
Anthracene, 9,10-...	16.56	6.6	ng/ul	113326	4	17.47	344904	20.0
1-Naphthaleneacet...	16.62	2.4	ng/ul	41574	4	17.47	344904	20.0
p-Hydroxybiphenyl	16.64	2.7	ng/ul	47015	4	17.47	344904	20.0
9H-Fluorene, 3-me...	16.77	3.9	ng/ul	66647	4	17.47	344904	20.0
9H-Fluorene, 2-me...	16.82	2.5	ng/ul	43633	4	17.47	344904	20.0
9H-Fluoren-9-one	17.12	6.4	ng/ul	110910	4	17.47	344904	20.0
2-Dibenzofuranol	17.25	3.8	ng/ul	65294	4	17.47	344904	20.0