LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020301.D
Acq On : 19 Dec 2015 8:06
Operator : UM/SJ
Sample : G4768-21
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N45

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	3.119	42	48	57	rBV	41935	86216	3.98%	0.680%
2	3.195	57	61	68	rVB	28017	40569	1.87%	0.320%
3	5.164	391	396	405	rBB2	10053	15170	0.70%	0.120%
4	5.575	461	466	474	rVB2	9744	14989	0.69%	0.118%
5	5.710	483	489	499	rVB	8254	18161	0.84%	0.143%
6	6.086	547	553	559	rBB	8706	13172	0.61%	0.104%
7	7.167	732	737	743	rBB	6264	8881	0.41%	0.070%
8	7.238	743	749	756	rBV2	21485	37682	1.74%	0.297%
9	7.302	756	760	765	rVB	8481	11202	0.52%	0.088%
10	7.408	772	778	785	rBV	57835	90644	4.19%	0.715%
11	7.473	785	789	795	rVB2	3986	5526	0.26%	0.044%
12	7.567	800	805	809	rBV	8042	13681	0.63%	0.108%
13	7.620	809	814	824	rVB	61997	102299	4.73%	0.807%
14	7.731	828	833	840	rBB	19003	29419	1.36%	0.232%
15	7.808	842	846	851	rBV2	2731	4807	0.22%	0.038%
16	8.090	887	894	901	rBV	61794	99882	4.61%	0.788%
17	8.201	908	913	920	rVB	9767	14876	0.69%	0.117%
18	8.466	952	958	966	rBB2	39082	64523	2.98%	0.509%
19	8.630	980	986	994	rVB2	43140	72082	3.33%	0.569%
20	8.730	997	1003	1007	rBB2	4219	6464	0.30%	0.051%
21	8.789	1007	1013	1023	rBB	54472	94066	4.35%	0.742%
22	8.936	1034	1038	1043	rVB3	2212	3908	0.18%	0.031%
23	9.200	1078	1083	1086	rBV3	4264	6812	0.31%	0.054%
24	9.259	1086	1093	1102	rVB	70728	131617	6.08%	1.039%
25	9.582	1141	1148	1154	rVB3	3934	8190	0.38%	0.065%
26	9.782	1178	1182	1187	rBB2	3914	6218	0.29%	0.049%
27	9.982	1209	1216	1223	rBV	63523	111272	5.14%	0.878%
28	10.146	1240	1244	1249	rBV	5242	7951	0.37%	0.063%
29	10.299	1264	1270	1282	rBV5	13463	31721	1.47%	0.250%
30	10.405	1282	1288	1292	rBV2	5841	11155	0.52%	0.088%
31	10.522	1302	1308	1318	rBB	99998	177131	8.18%	1.398%
32	10.910	1365	1374	1377	rBV	80628	151009	6.98%	1.192%
33	10.969	1377	1384	1391	rVB	1174269	2164348	100.00%	17.081%
34	11.080	1396	1403	1411	rVB	38174	64201	2.97%	0.507%

LSC Area Percent Report

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Acq On : 19 Dec 2015 8:06
Operator : UM/SJ
Sample : G4768-21
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N45

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	12.214	1591	1596	1603	rBB3	2951	4196	0.19%	0.033%
36	12.285	1603	1608	1613	rBB4	6938	10914	0.50%	0.086%
37	12.455	1631	1637	1646	rBB2	6138	11157	0.52%	0.088%
38	12.555	1646	1654	1665	rBB	312653	510336	23.58%	4.028%
39	12.673	1668	1674	1680	rBB	7304	12400	0.57%	0.098%
40	12.772	1681	1691	1699	rBB	194882	329356	15.22%	2.599%
41	13.554	1818	1824	1832	rVB	94440	145946	6.74%	1.152%
42	13.754	1853	1858	1866	rVB	18802	31243	1.44%	0.247%
43	13.901	1872	1883	1889	rBV3	15859	42126	1.95%	0.332%
44	14.042	1901	1907	1912	rBV2	33587	59654	2.76%	0.471%
45	14.124	1912	1921	1927	rVB	202825	320297	14.80%	2.528%
46	14.277	1942	1947	1951	rBV2	13194	20894	0.97%	0.165%
47	14.312	1951	1953	1957	rVB2	4647	5583	0.26%	0.044%
48	14.418	1964	1971	1981	rBV	222125	386999	17.88%	3.054%
49	14.723	2018	2023	2028	rVB2	146852	221069	10.21%	1.745%
50	14.788	2028	2034	2040	rVB	555982	852472	39.39%	6.728%
51	14.852	2040	2045	2050	rVB	26797	36132	1.67%	0.285%
52	14.905	2050	2054	2065	rVB2	20176	34832	1.61%	0.275%
53	15.029	2071	2075	2080	rVB	8864	11537	0.53%	0.091%
54	15.117	2080	2090	2099	rVV	248800	394039	18.21%	3.110%
55	15.328	2120	2126	2131	rBB3	2666	5030	0.23%	0.040%
56	15.393	2131	2137	2142	rBV3	1935	3966	0.18%	0.031%
57	15.446	2142	2146	2150	rVB	3407	4620	0.21%	0.036%
58	15.505	2150	2156	2161	rBV3	1928	4057	0.19%	0.032%
59	15.710	2180	2191	2196	rVV	297202	454120	20.98%	3.584%
60	15.769	2196	2201	2206	rVV	310808	460614	21.28%	3.635%
61	15.822	2206	2210	2215	rVV	94256	130997	6.05%	1.034%
62	15.892	2219	2222	2225	rVV3	13153	18912	0.87%	0.149%
63	15.928	2225	2228	2234	rVV3	17806	30057	1.39%	0.237%
64	15.980	2234	2237	2240	rVV3	4796	6859	0.32%	0.054%
65	16.016	2240	2243	2246	rVV3	7813	10841	0.50%	0.086%
66	16.057	2246	2250	2255	rVB	16938	22656	1.05%	0.179%
67	16.204	2262	2275	2285	rVV3	15522	36255	1.68%	0.286%
68	16.427	2305	2313	2320	rBB8	11169	22715	1.05%	0.179%
69	16.556	2331	2335	2340	rBV	12367	18109	0.84%	0.143%
70	16.768	2360	2371	2375	rBV4	8032	19762	0.91%	0.156%
71	16.815	2375	2379	2384	rVB	3356	5003	0.23%	0.039%

LSC Area Percent Report

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Data File : BG020301.D
Acq On : 19 Dec 2015 8:06
Operator : UM/SJ
Sample : G4768-21
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N45

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

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Peak separation: 5

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

72	16.921	2391	2397	2404	rBV4	4658	9308	0.43%	0.073%
73	17.120	2426	2431	2439	rVB	9782	15902	0.73%	0.126%
74	17.285	2454	2459	2466	rVB	35685	53798	2.49%	0.425%
75	17.467	2484	2490	2493	rBV	204661	309652	14.31%	2.444%
76	17.508	2493	2497	2502	rVB	470835	695994	32.16%	5.493%
77	17.567	2502	2507	2512	rBV2	342281	482274	22.28%	3.806%
78	17.866	2551	2558	2567	rVB	85935	124206	5.74%	0.980%
79	18.342	2634	2639	2642	rVV	8775	12670	0.59%	0.100%
80	18.384	2642	2646	2655	rVV4	20492	33441	1.55%	0.264%
81	18.542	2665	2673	2681	rBV2	28548	49162	2.27%	0.388%
82	18.636	2681	2689	2692	rBV4	8163	12143	0.56%	0.096%
83	18.677	2692	2696	2701	rVB	10594	13802	0.64%	0.109%
84	18.777	2708	2713	2717	rBV4	6956	11550	0.53%	0.091%
85	18.836	2717	2723	2726	rVV2	4114	5712	0.26%	0.045%
86	18.877	2726	2730	2734	rVB4	5262	6851	0.32%	0.054%
87	19.512	2827	2838	2844	rBV	64288	93708	4.33%	0.740%
88	19.741	2874	2877	2880	rBV2	3151	4506	0.21%	0.036%
89	19.846	2889	2895	2909	rBV	443947	698061	32.25%	5.509%
90	20.252	2960	2964	2970	rVB	15803	20922	0.97%	0.165%
91	20.745	3045	3048	3052	rVB5	3284	3998	0.18%	0.032%
92	21.738	3209	3217	3226	rBV	261534	452805	20.92%	3.574%
93	22.161	3284	3289	3291	rBV3	3068	4419	0.20%	0.035%
94	23.231	3467	3471	3477	rBV6	3830	7452	0.34%	0.059%
95	24.047	3606	3610	3616	rVB6	4433	9883	0.46%	0.078%
96	24.788	3725	3736	3749	rBV	233813	657486	30.38%	5.189%
97	25.011	3763	3774	3787	rBV2	149780	418137	19.32%	3.300%
98	26.163	3961	3970	3978	rVB8	6764	20993	0.97%	0.166%
99	27.543	4196	4205	4210	rBV4	6932	17585	0.81%	0.139%
100	29.200	4478	4487	4488	rBV8	4479	8709	0.40%	0.069%

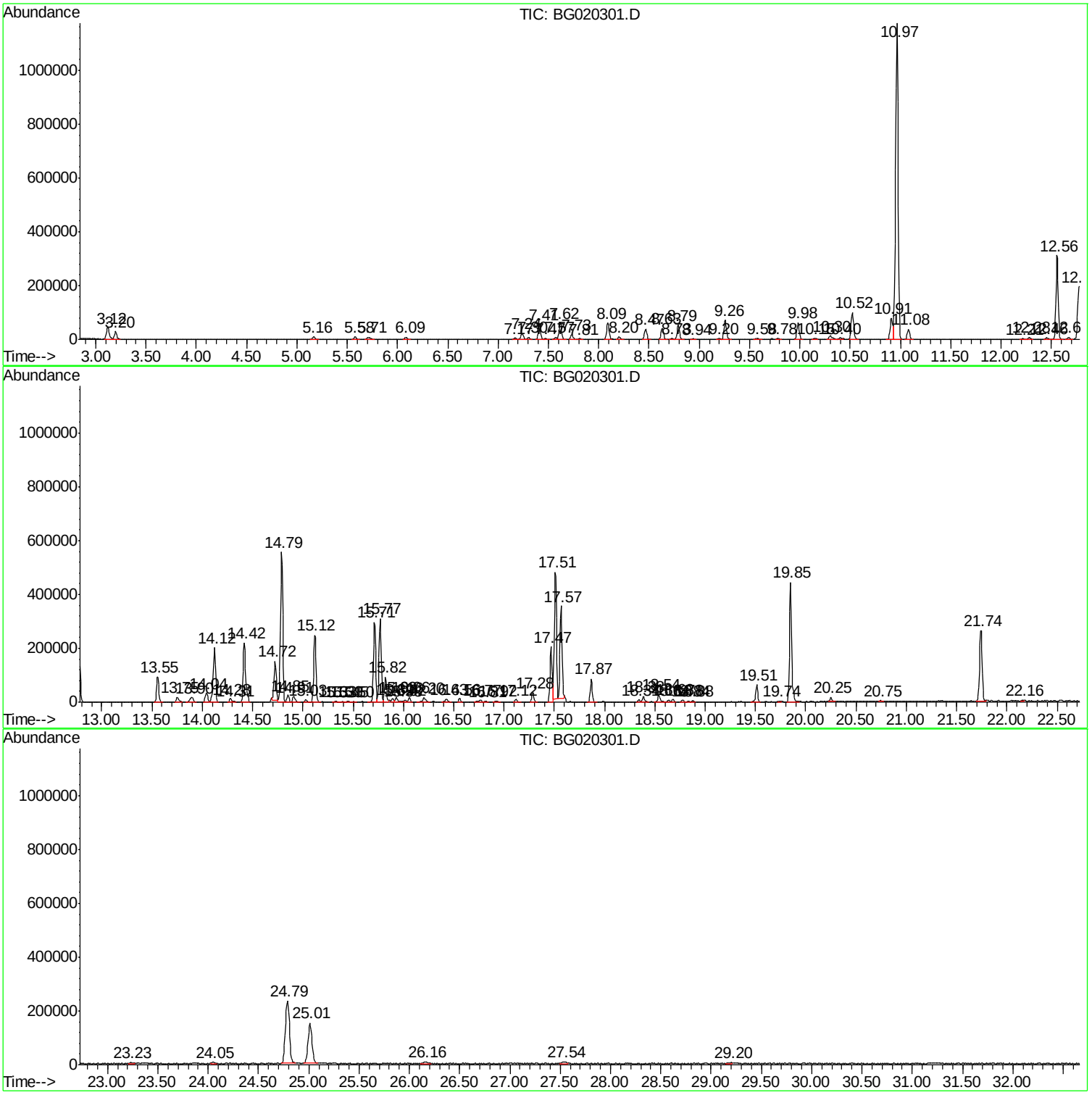
Sum of corrected areas: 12670728

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020301.D
Acq On : 19 Dec 2015 8:06
Operator : UM/SJ
Sample : G4768-21
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N45

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020301.D
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Operator : UM/SJ
Sample : G4768-21
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ALS Vial : 33 Sample Multiplier: 1

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

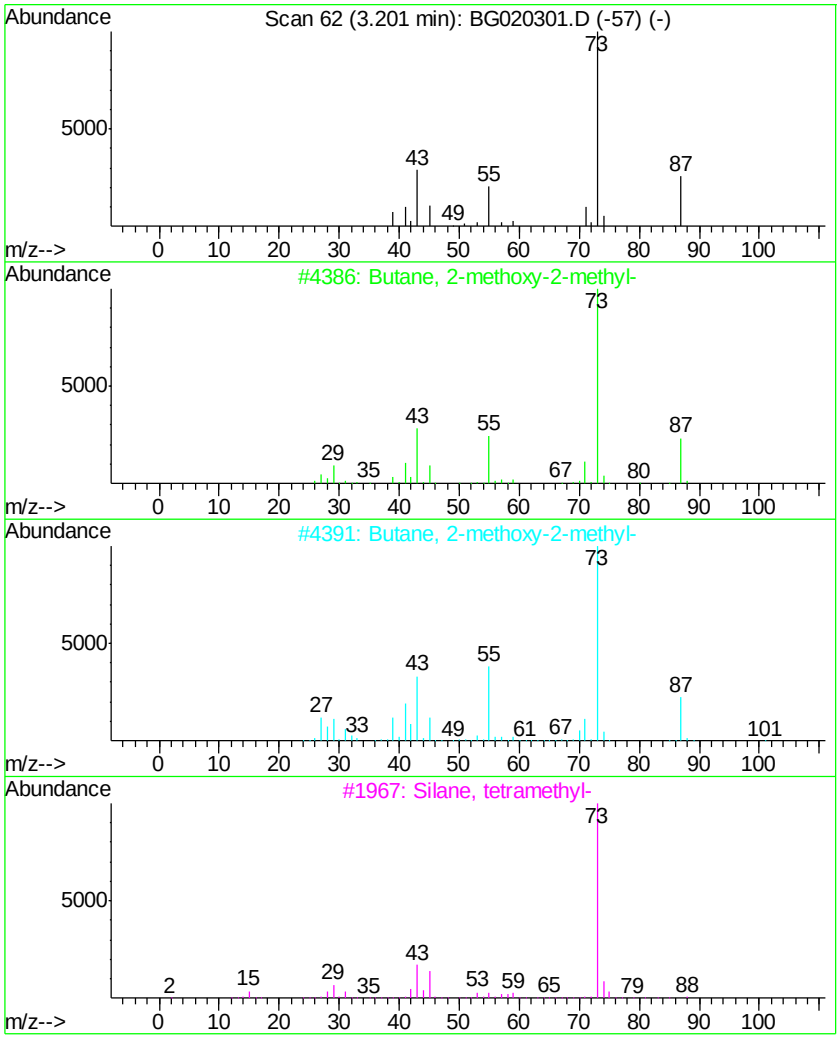
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

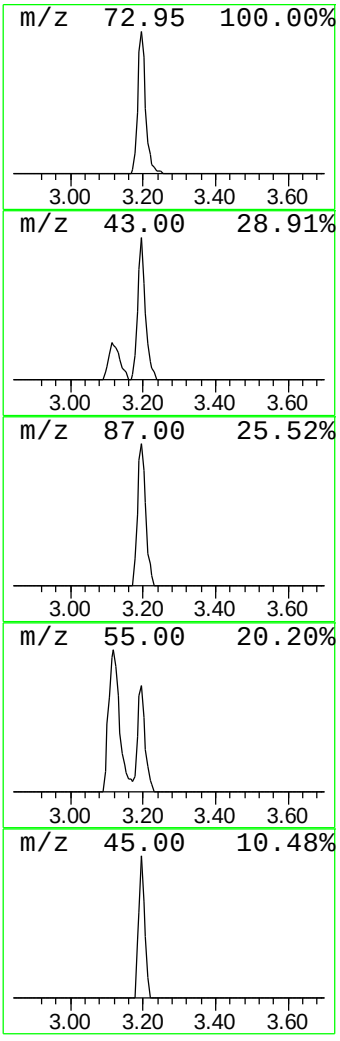
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.20	8.12 ng/ul	40569	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	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	50
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	23
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020301.D
Acq On : 19 Dec 2015 8:06
Operator : UM/SJ
Sample : G4768-21
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N45

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

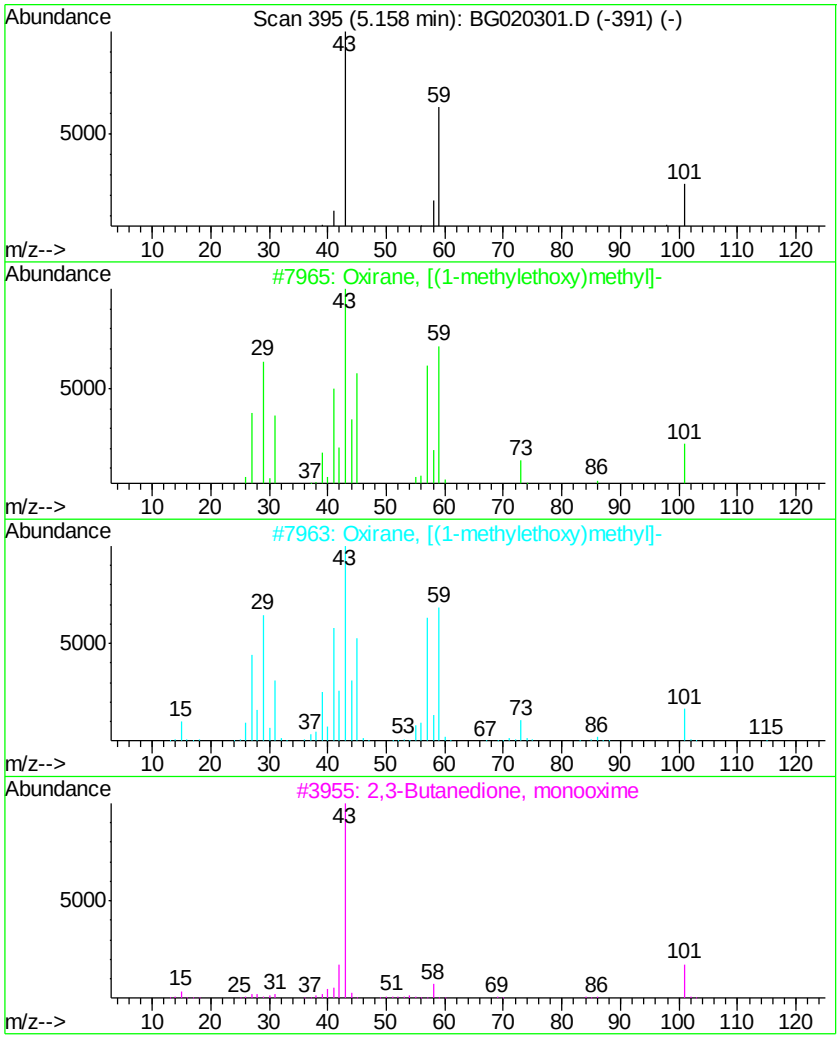
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

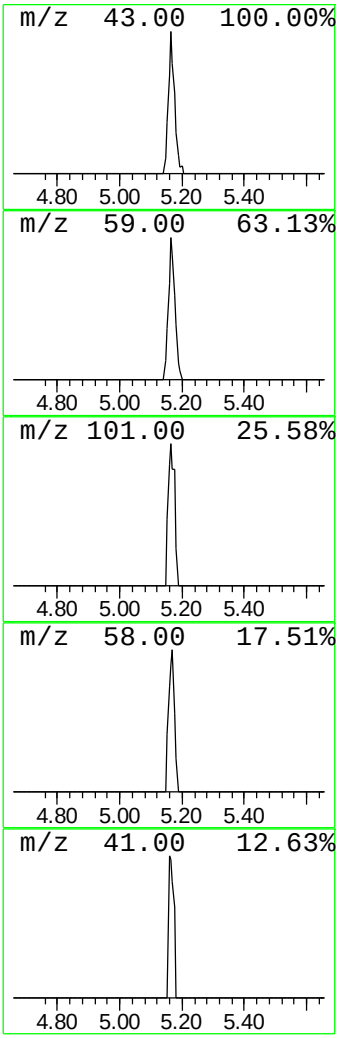
****

Peak Number 3 Oxirane, [(1-methylethoxy)m... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.16	3.04 ng/ul	15170	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, [(1-methylethoxy)methyl]-	116	C6H12O2	004016-14-2	64
2	Oxirane, [(1-methylethoxy)methyl]-	116	C6H12O2	004016-14-2	64
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	7
4	Guanidine	59	CH5N3	000113-00-8	5
5	Diacetamide	101	C4H7NO2	000625-77-4	5





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020301.D
Acq On : 19 Dec 2015 8:06
Operator : UM/SJ
Sample : G4768-21
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N45

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

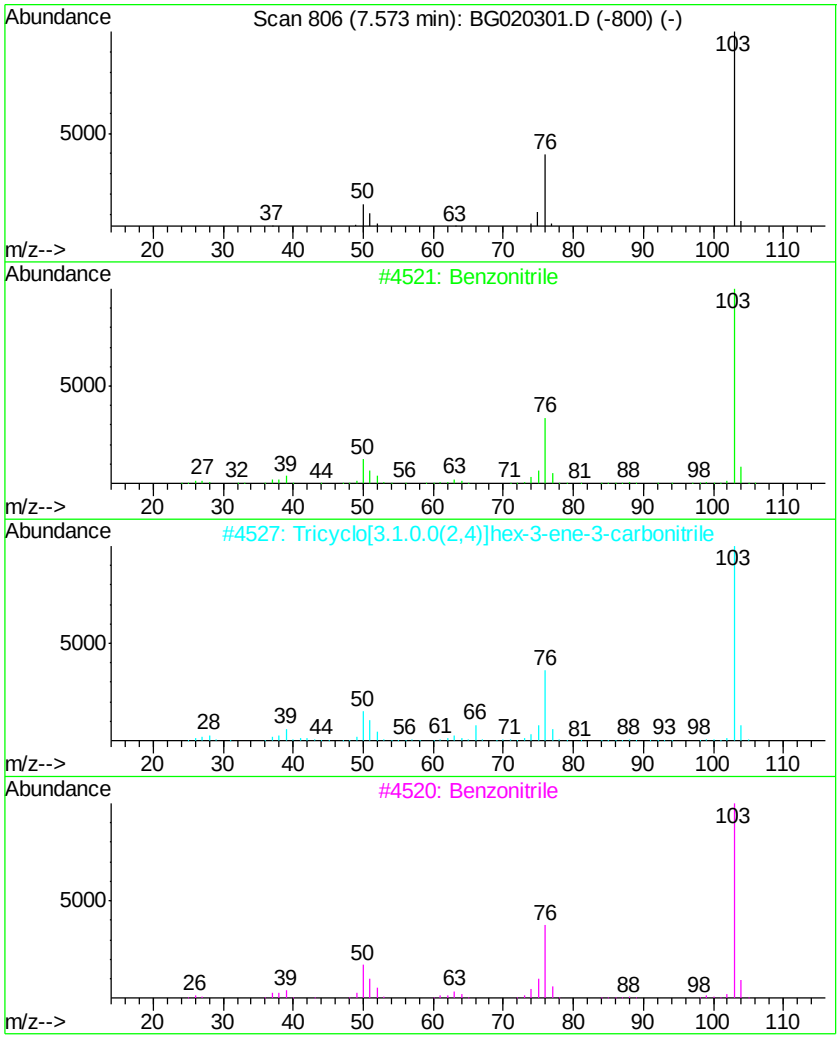
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

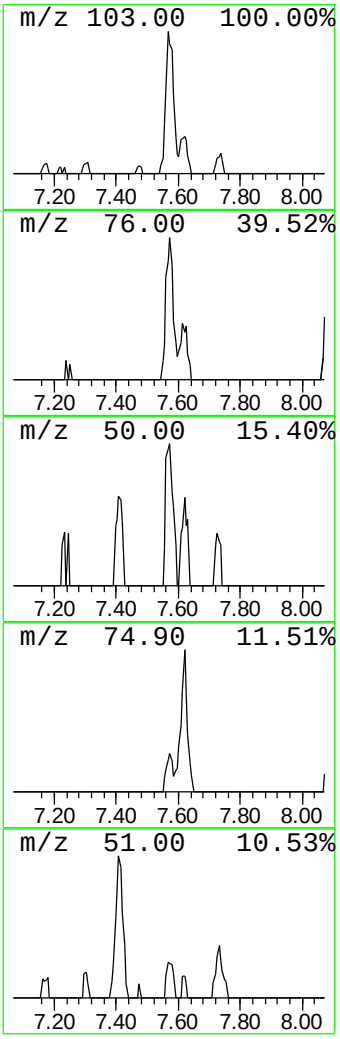
****

Peak Number 8 Benzonitrile Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.57	2.74 ng/ul	13681	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzonitrile	103	C7H5N	000100-47-0	91
2	Tricyclo[3.1.0.0(2,4)]hex-3-ene-...	103	C7H5N	103495-51-8	90
3	Benzonitrile	103	C7H5N	000100-47-0	90
4	Benzonitrile	103	C7H5N	000100-47-0	90
5	Tricyclo[3.1.0.0(2,4)]hex-3-ene-...	103	C7H5N	103495-51-8	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020301.D
Acq On : 19 Dec 2015 8:06
Operator : UM/SJ
Sample : G4768-21
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N45

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

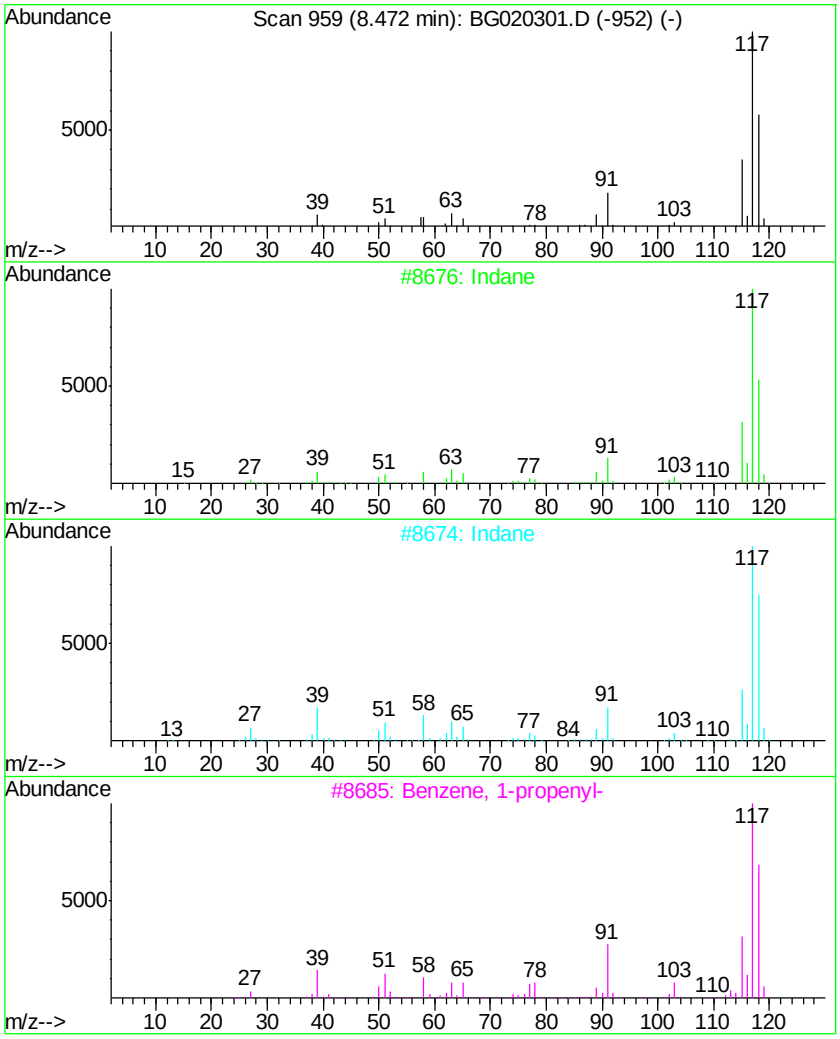
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

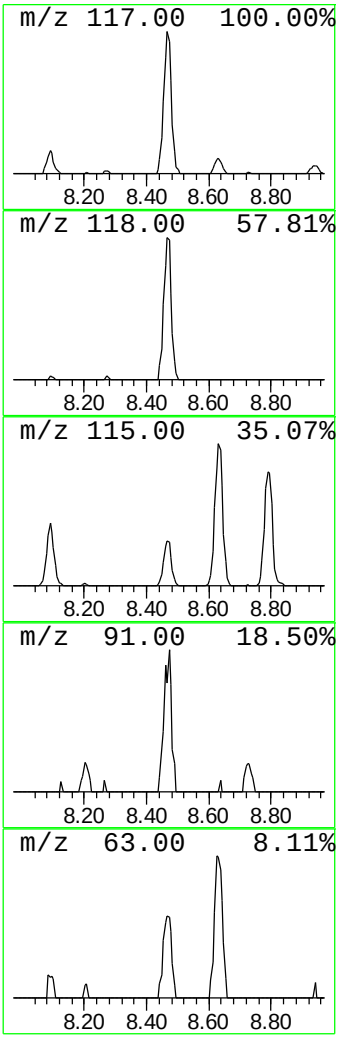
****

Peak Number 11 Indane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.47	12.92 ng/ul	64523	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Indane	118	C9H10	000496-11-7	91
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	87
4	Indane	118	C9H10	000496-11-7	87
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	83





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020301.D
Acq On : 19 Dec 2015 8:06
Operator : UM/SJ
Sample : G4768-21
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N45

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

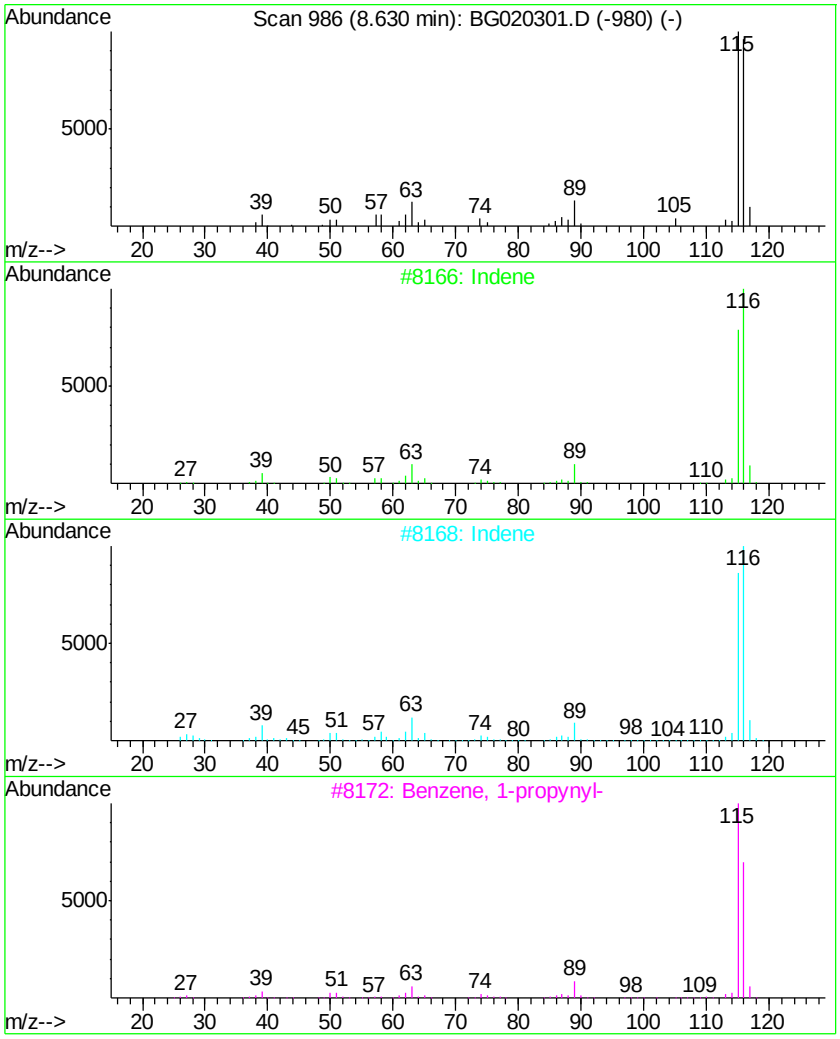
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

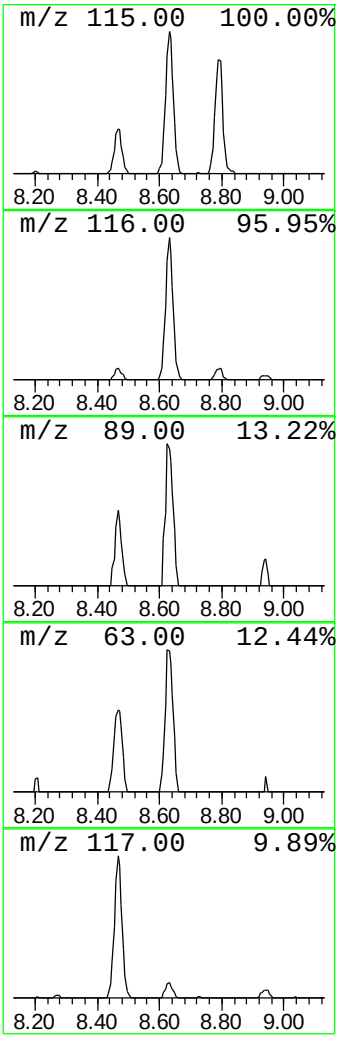
****

Peak Number 12 Indene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.63	14.43 ng/ul	72082	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	94
2	Indene	116	C9H8	000095-13-6	94
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020301.D
Acq On : 19 Dec 2015 8:06
Operator : UM/SJ
Sample : G4768-21
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N45

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Quant Title : SVOA CALIBRATION

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

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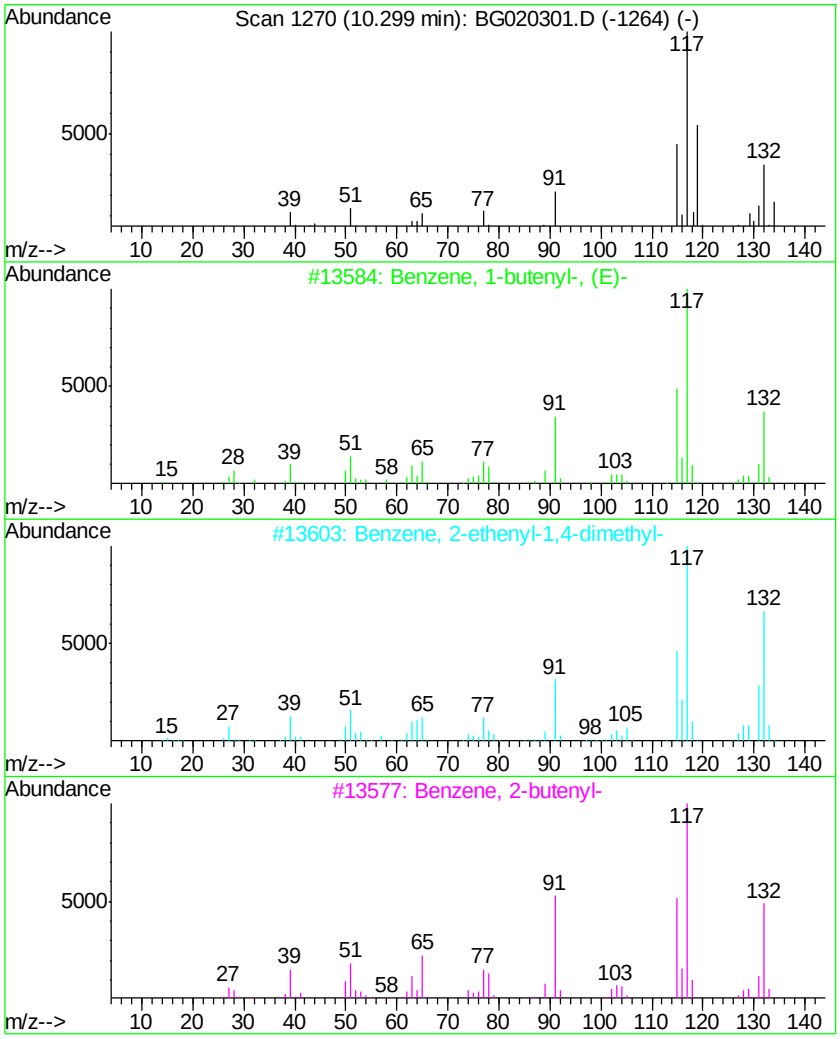
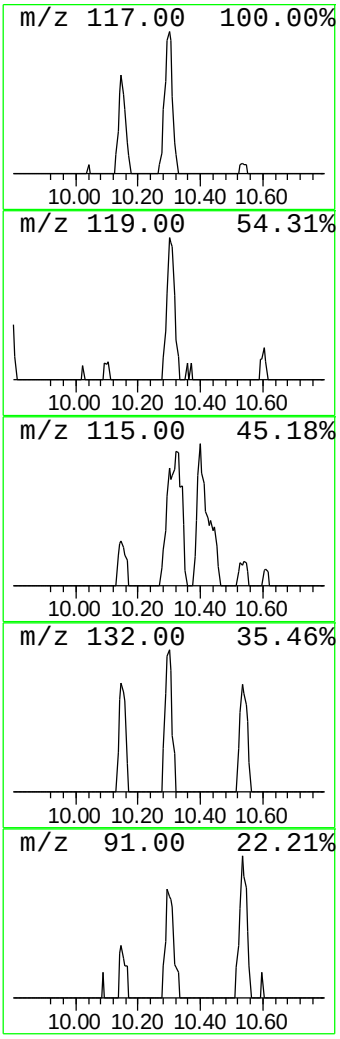
Peak Number 13 Benzene, 1-butenyl-, (E)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.30	4.20 ng/ul	31721	Naphthalene-d8	10.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-butenyl-, (E)-	132	C10H12	001005-64-7	76
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	70
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	68
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	64
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	64





Library Search Compound Report

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Operator : UM/SJ
Sample : G4768-21
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N45

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Quant Title : SVOA CALIBRATION

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

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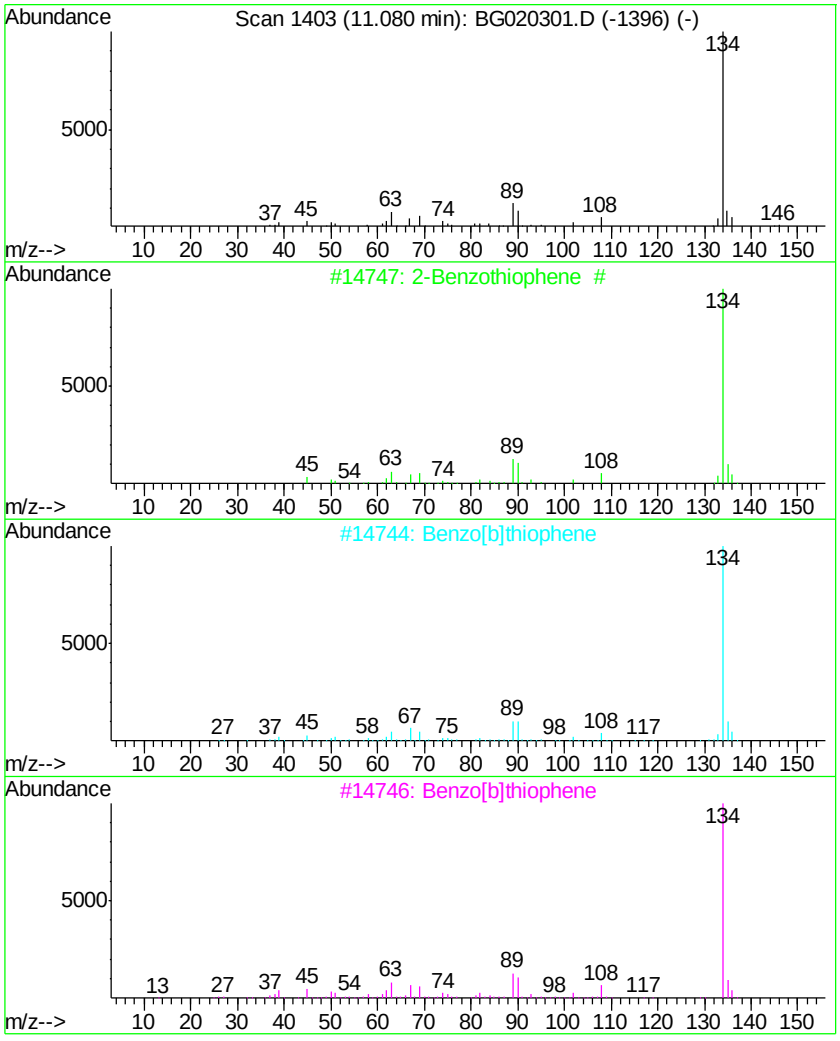
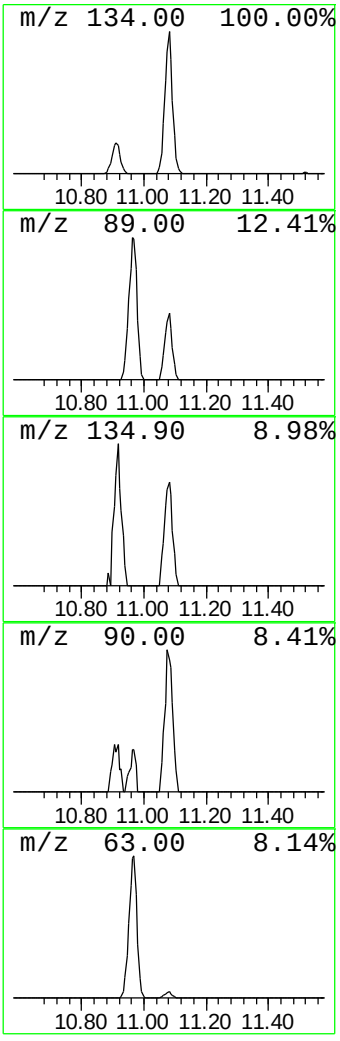
Peak Number 14 2-Benzothiophene # Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.08	8.50 ng/ul	64201	Naphthalene-d8	10.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Benzothiophene #	134	C8H6S	000270-82-6	97
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
5	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	93





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Quant Title : SVOA CALIBRATION

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

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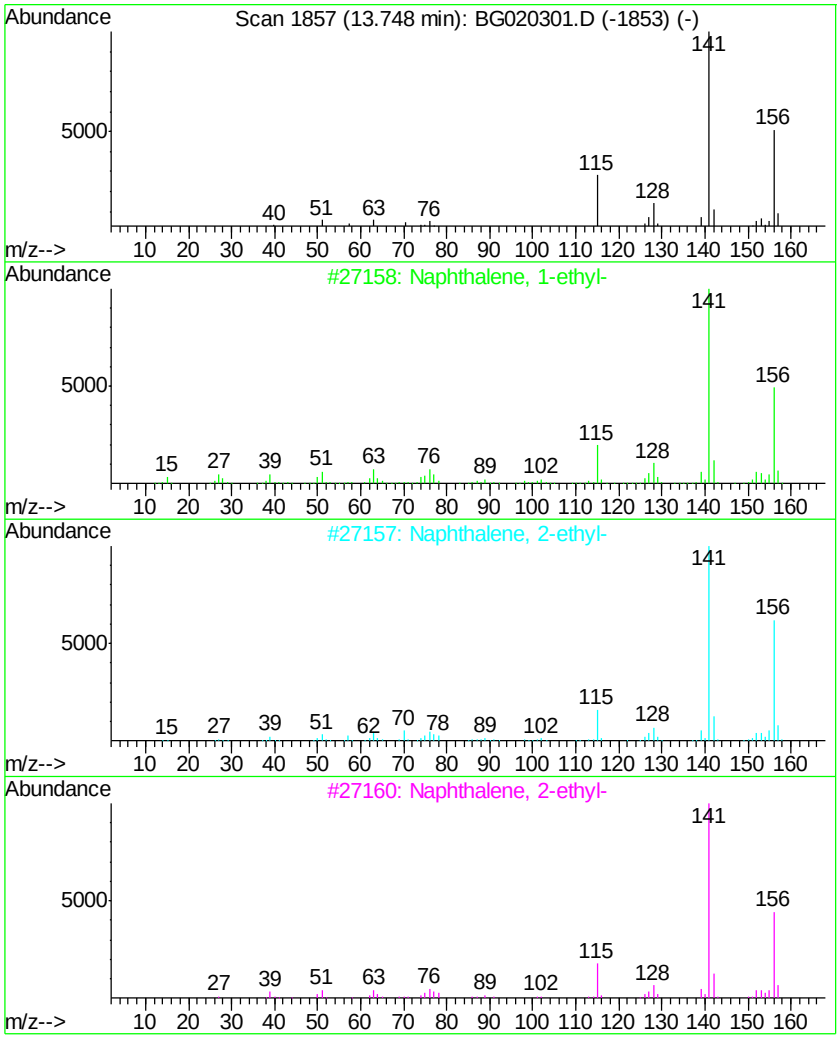
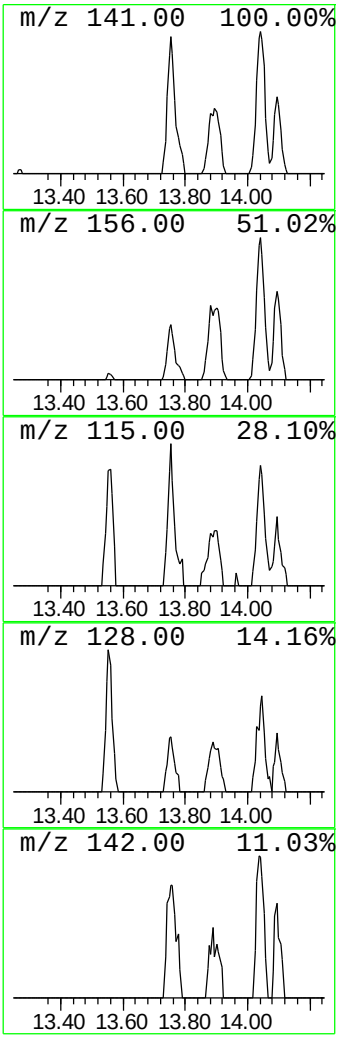
Peak Number 15 Naphthalene, 1-ethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	2.83 ng/ul	31243	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	90
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	90
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	90
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	90





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Quant Title : SVOA CALIBRATION

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

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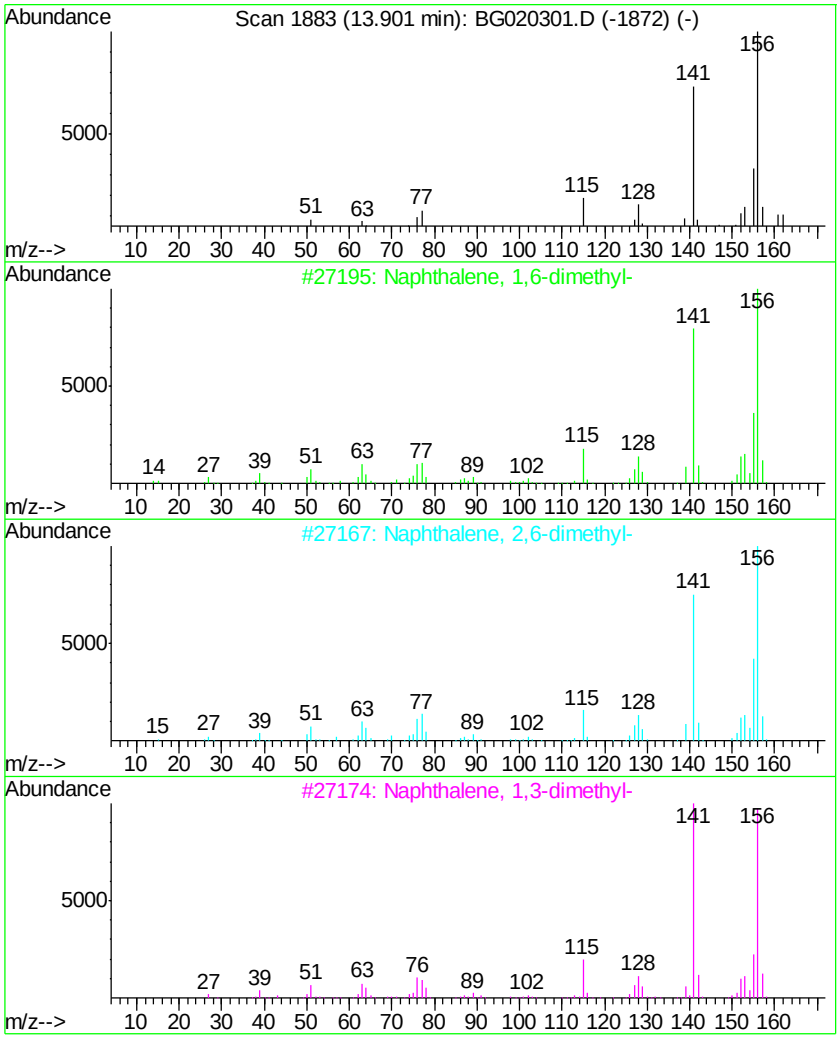
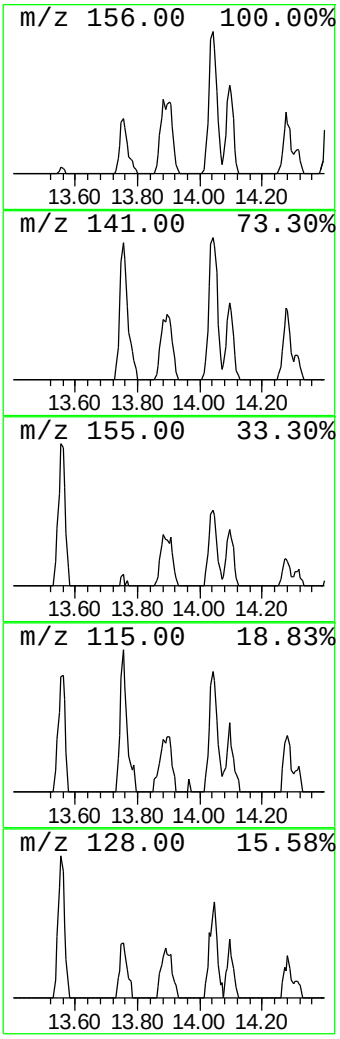
Peak Number 16 Naphthalene, 1,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	3.81 ng/ul	42126	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
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, 2,3-dimethyl-	156	C12H12	000581-40-8	94





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ClientSampleId : D9N45

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Quant Title : SVOA CALIBRATION

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

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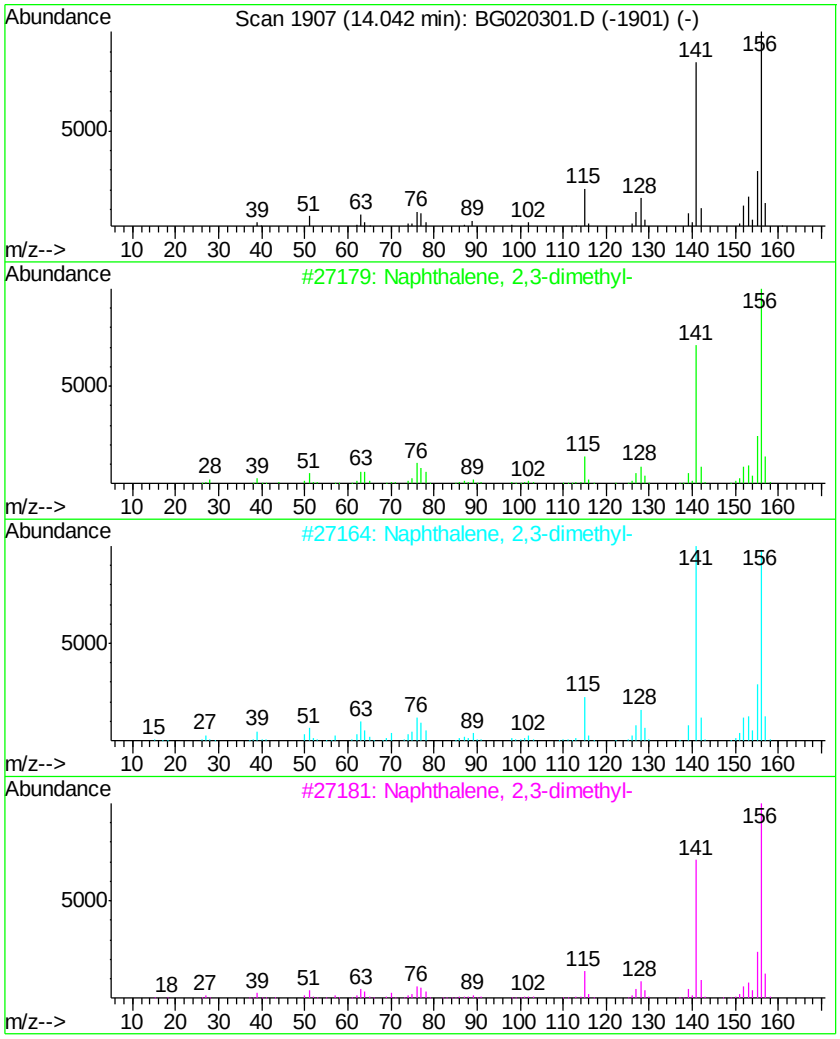
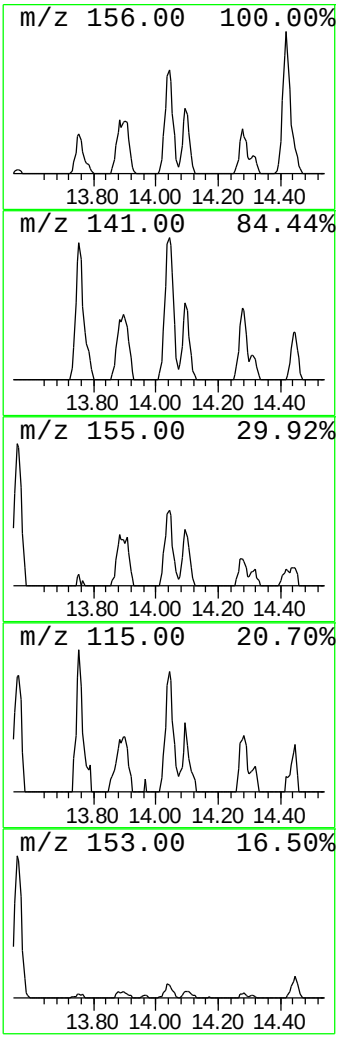
Peak Number 17 Naphthalene, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	5.40 ng/ul	59654	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96





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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 2-Naphthalenecarbonitrile Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	3.27 ng/ul	36132	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	94
2	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	94
3	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	90
4	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	90
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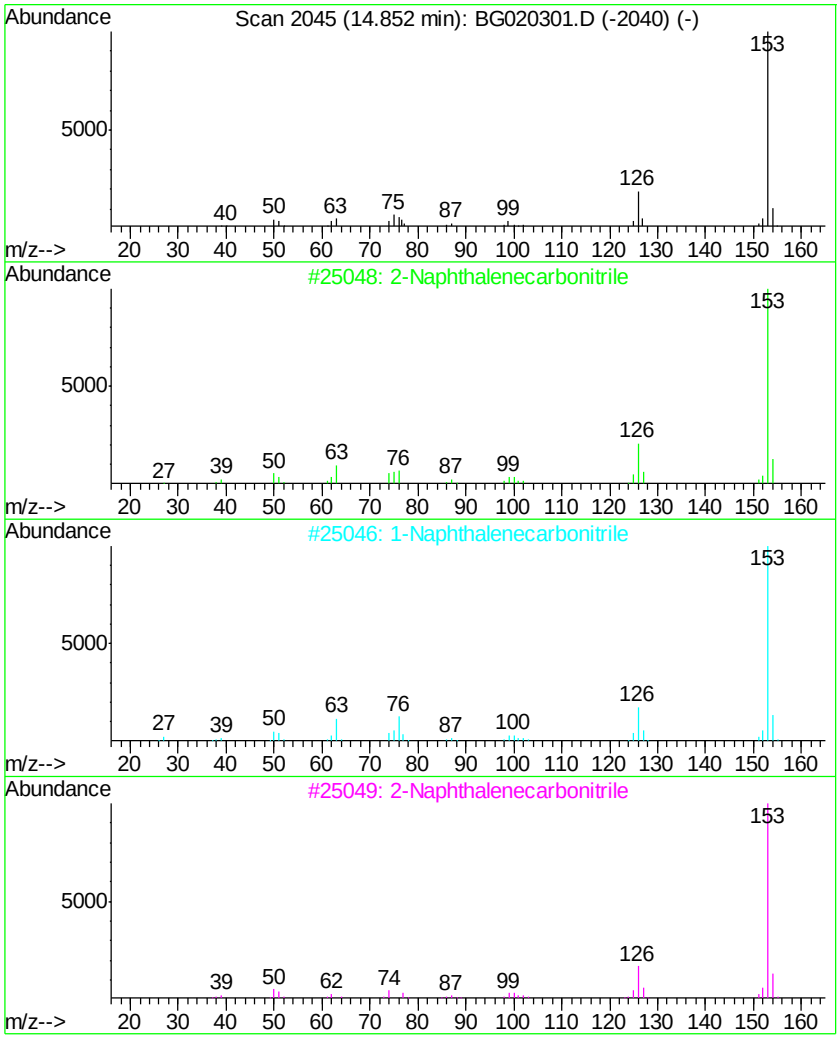

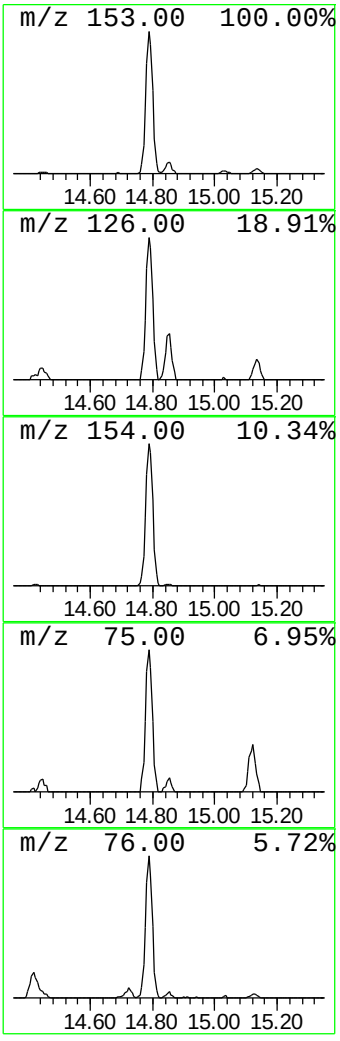

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Quant Title : SVOA CALIBRATION

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

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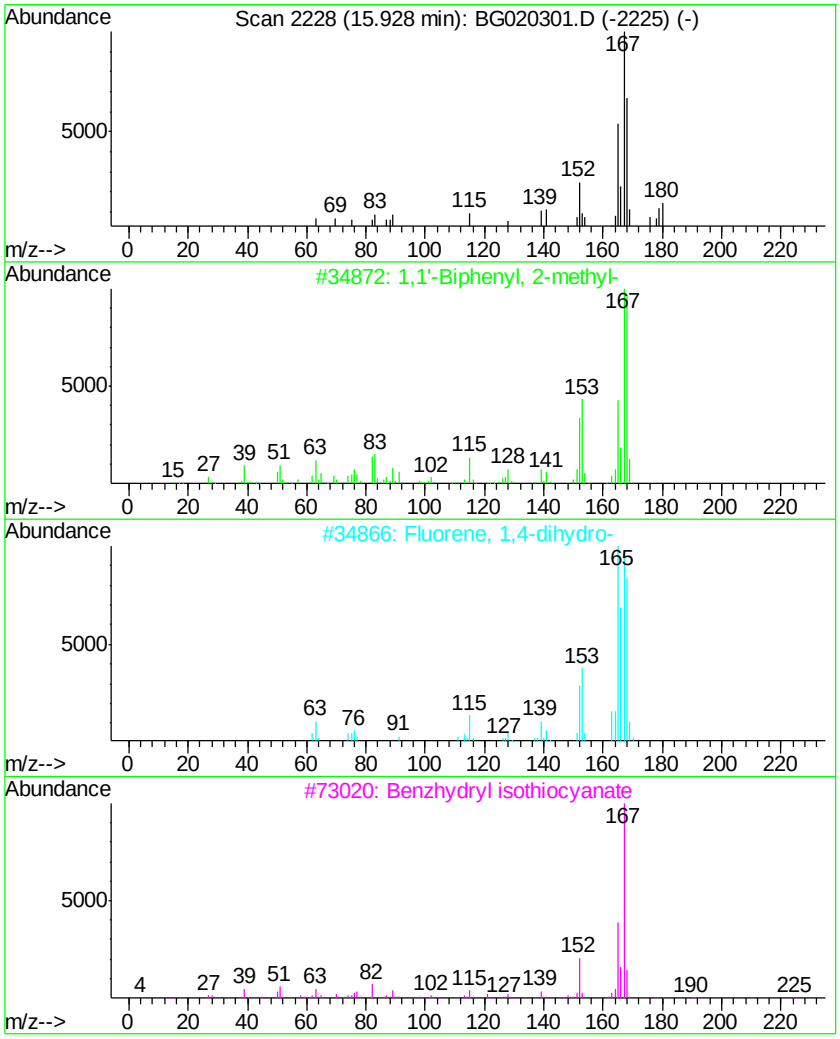
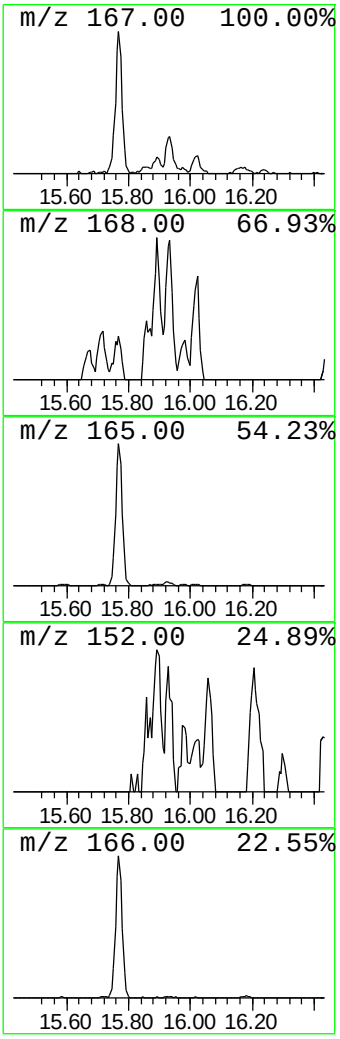
Peak Number 19 1,1'-Biphenyl, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	2.72 ng/ul	30057	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	83
2	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	53
3	Benzhydryl isothiocyanate	225	C14H11NS	003550-21-8	50
4	Benzene, 1,1'-(chloromethylene)bis-	202	C13H11Cl	000090-99-3	47
5	1H-2-Pyridine, octahydro-2,4,7-...	167	C11H21N	013448-21-0	47





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ClientSampleId : D9N45

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Quant Title : SVOA CALIBRATION

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

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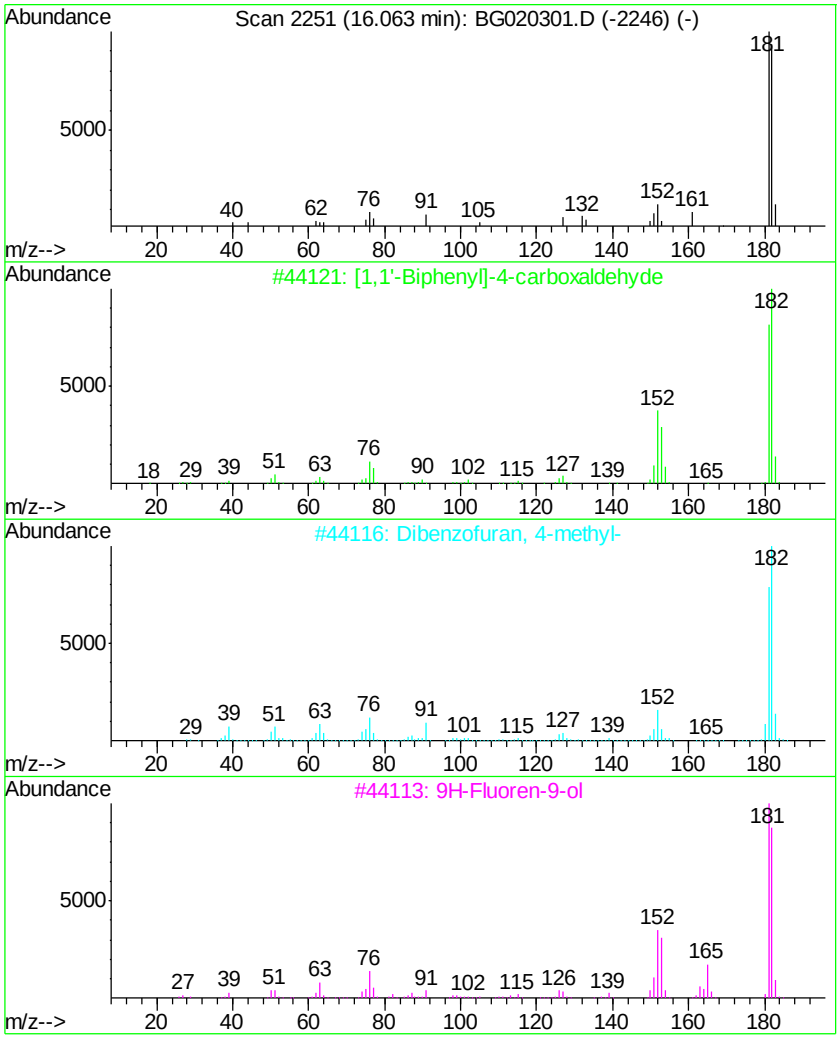
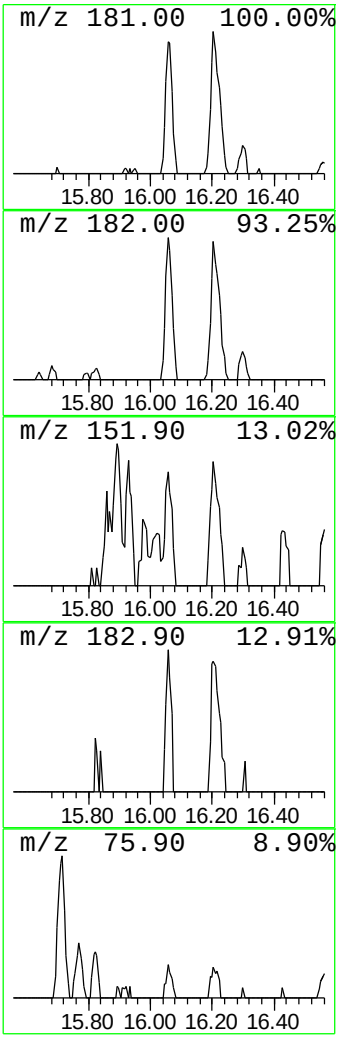
Peak Number 20 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	2.05 ng/ul	22656	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	83
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
4	Pyrido[2,3-d]indole, 6-methyl-	182	C12H10N2	108349-67-3	72
5	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	64





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Quant Title : SVOA CALIBRATION

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

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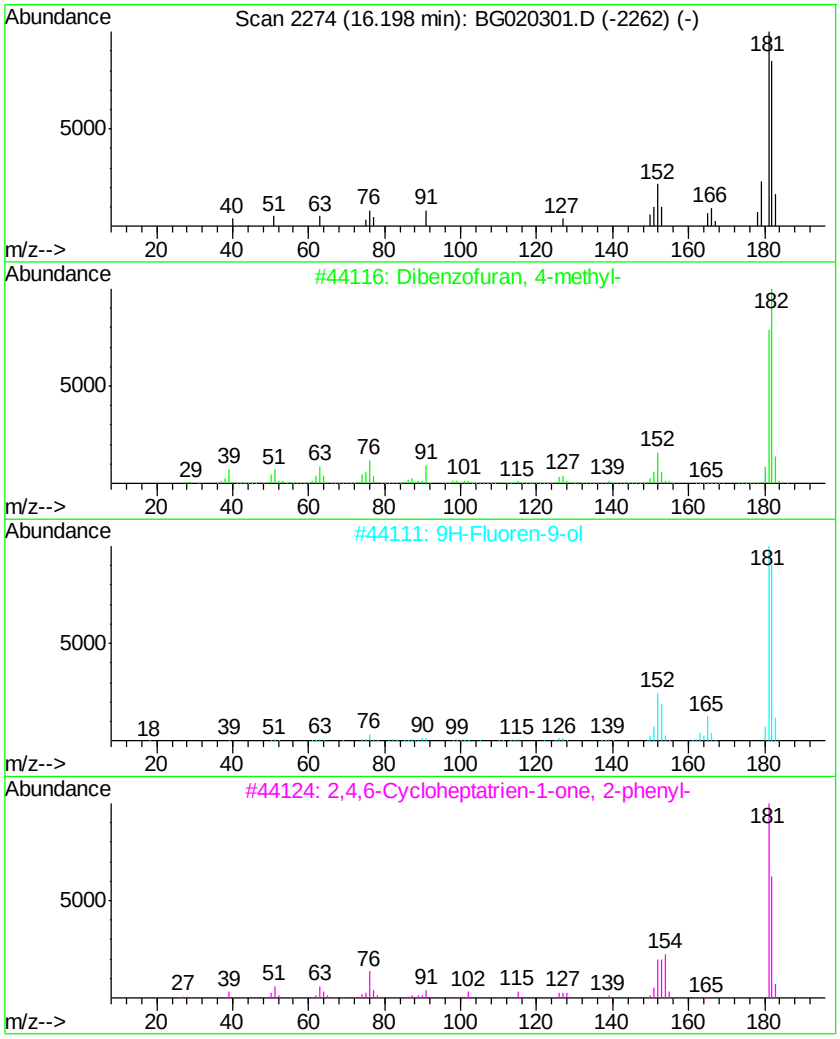
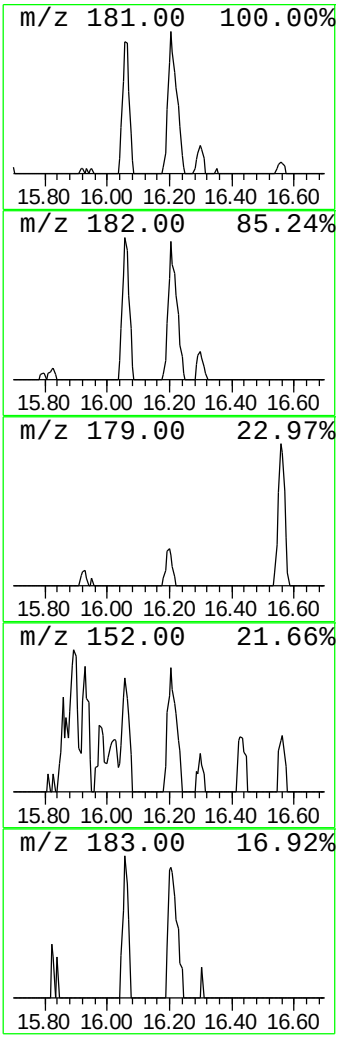
Peak Number 21 Dibenzofuran, 4-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.20	2.34 ng/ul	36255	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	80
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72
5	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	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 22 Naphtho[2,3-b]thiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.28	3.47 ng/ul	53798	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	95
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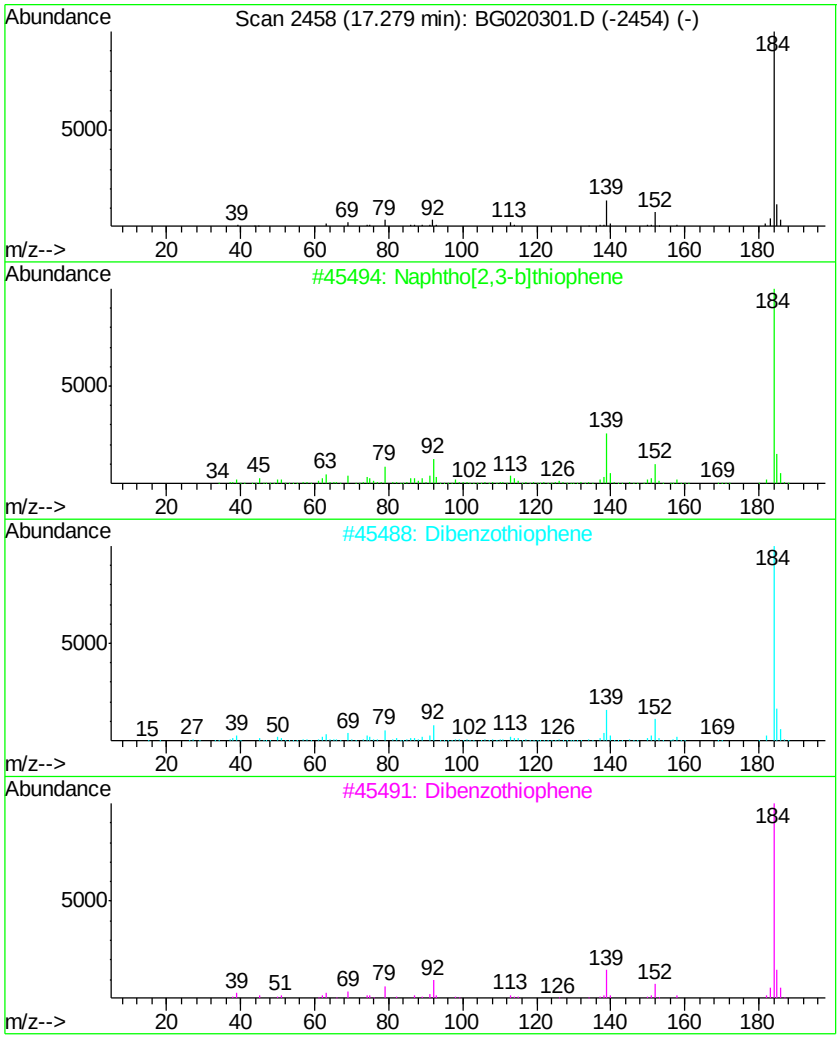
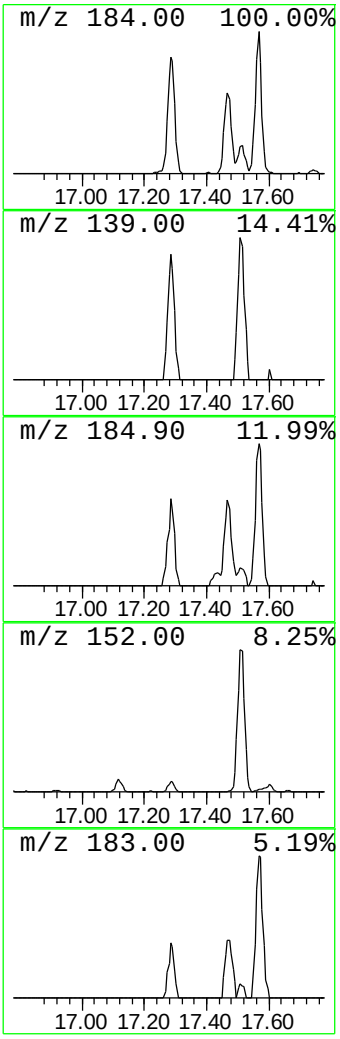
5	Dibenzothiophene	184	C12H8S	000132-65-0	94





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

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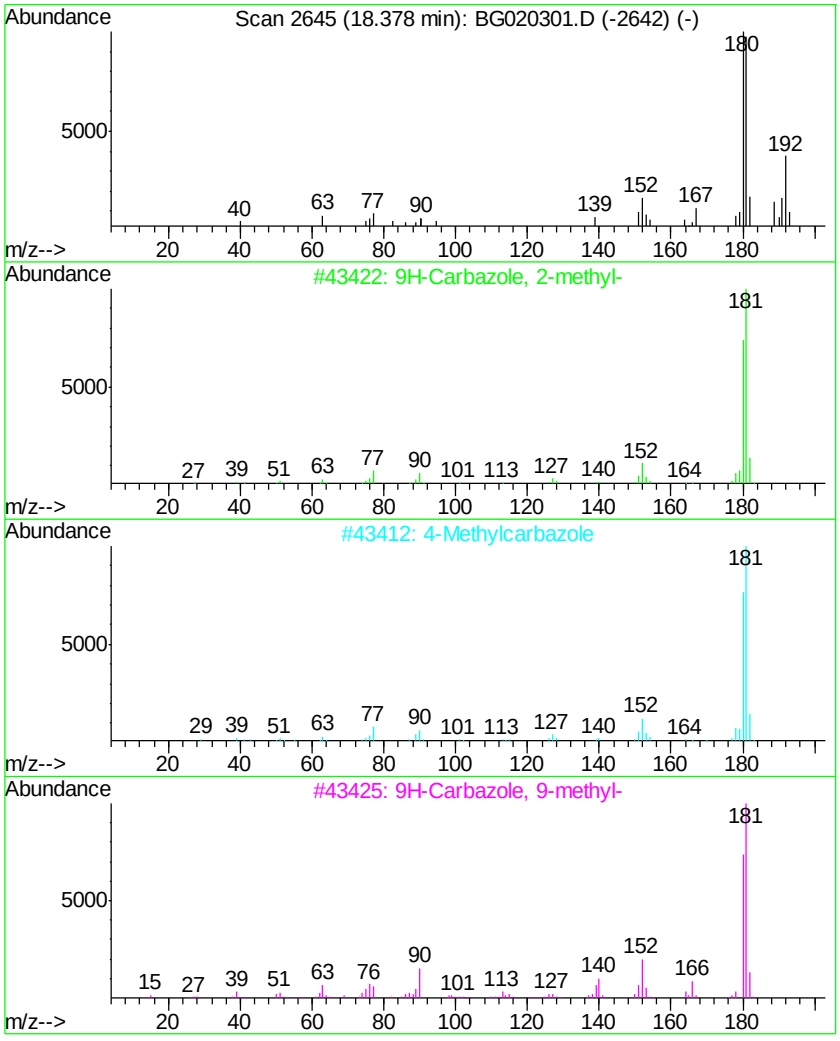
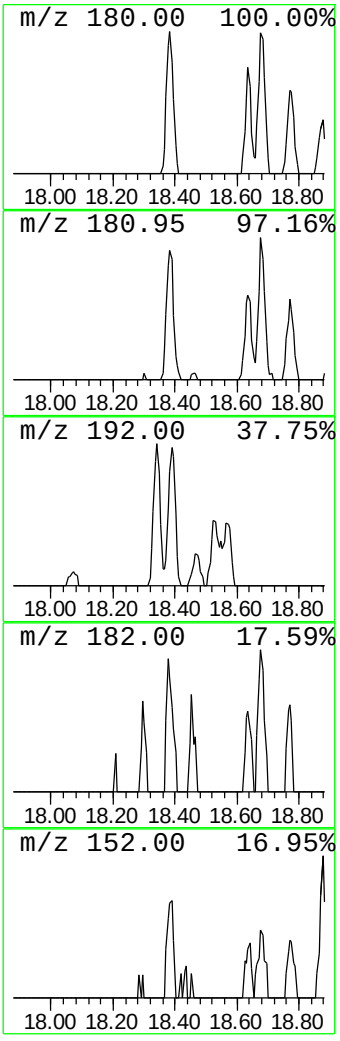
Peak Number 23 9H-Carbazole, 2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	2.16 ng/ul	33441	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	60
2	4-Methylcarbazole	181	C13H11N	003770-48-7	60
3	9H-Carbazole, 9-methyl-	181	C13H11N	001484-12-4	60
4	Methylcarbazole	181	C13H11N	027323-29-1	60
5	3-Methylcarbazole	181	C13H11N	004630-20-0	60





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Quant Title : SVOA CALIBRATION

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

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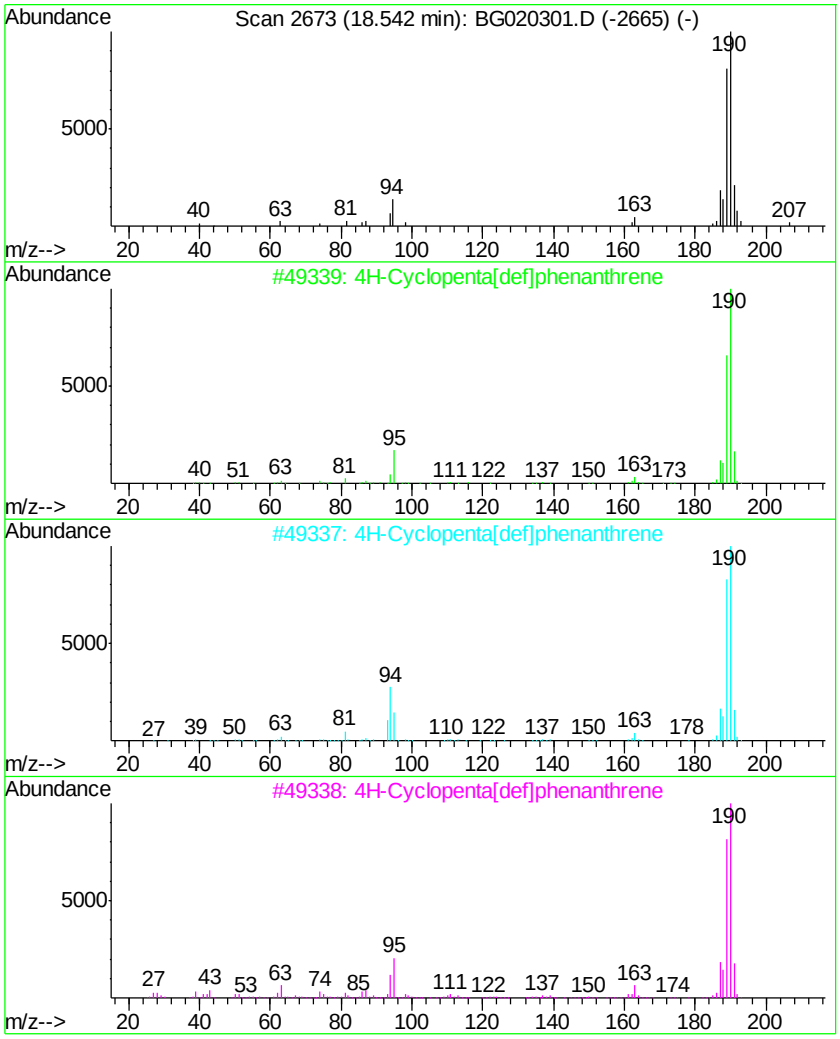
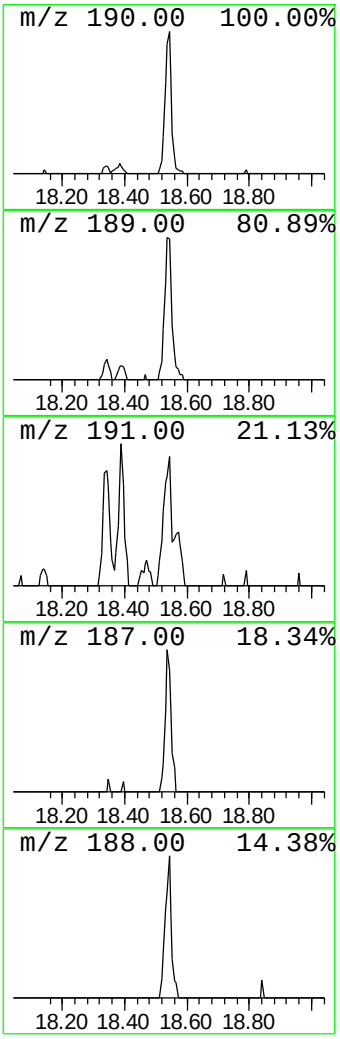
Peak Number 24 4H-Cyclopenta[def]phenanthrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	3.18 ng/ul	49162	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
4	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	72
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
Data File : BG020301.D
Acq On : 19 Dec 2015 8:06
Operator : UM/SJ
Sample : G4768-21
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N45

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	8.1	ng/ul	40569	1	8.09	99882	20.0
Oxirane, [(1-meth...	5.16	3.0	ng/ul	15170	1	8.09	99882	20.0
Benzonitrile	7.57	2.7	ng/ul	13681	1	8.09	99882	20.0
Indane	8.47	12.9	ng/ul	64523	1	8.09	99882	20.0
Indene	8.63	14.4	ng/ul	72082	1	8.09	99882	20.0
Benzene, 1-buteny...	10.30	4.2	ng/ul	31721	2	10.91	151009	20.0
2-Benzothiophene #	11.08	8.5	ng/ul	64201	2	10.91	151009	20.0
Naphthalene, 1-et...	13.75	2.8	ng/ul	31243	3	14.72	221069	20.0
Naphthalene, 1,6-...	13.90	3.8	ng/ul	42126	3	14.72	221069	20.0
Naphthalene, 2,3-...	14.04	5.4	ng/ul	59654	3	14.72	221069	20.0
2-Naphthalenecarb...	14.85	3.3	ng/ul	36132	3	14.72	221069	20.0
1,1'-Biphenyl, 2-...	15.93	2.7	ng/ul	30057	3	14.72	221069	20.0
[1,1'-Biphenyl]-4...	16.06	2.0	ng/ul	22656	3	14.72	221069	20.0
Dibenzofuran, 4-m...	16.20	2.3	ng/ul	36255	4	17.47	309652	20.0
Naphtho[2,3-b]thi...	17.28	3.5	ng/ul	53798	4	17.47	309652	20.0
9H-Carbazole, 2-m...	18.38	2.2	ng/ul	33441	4	17.47	309652	20.0
4H-Cyclopenta[def...	18.54	3.2	ng/ul	49162	4	17.47	309652	20.0