

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
 Data File : BG020608.D
 Acq On : 30 Dec 2015 14:36
 Operator : UM/SJ
 Sample : G4846-09
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N55

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 0.1 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

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

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.078	36	41	49	rBV	41490	73445	5.53%	0.583%
2	3.154	49	54	61	rVB	25556	37554	2.83%	0.298%
3	5.540	456	460	464	rBV2	2116	3401	0.26%	0.027%
4	7.220	739	746	753	rBV	17488	31369	2.36%	0.249%
5	7.379	767	773	781	rBV	59407	100710	7.58%	0.799%
6	7.590	803	809	818	rBV	61766	107974	8.13%	0.857%
7	7.702	823	828	832	rBB	2522	3321	0.25%	0.026%
8	8.060	883	889	895	rBV	70821	117185	8.82%	0.930%
9	8.436	946	953	959	rBB	8984	13793	1.04%	0.109%
10	8.601	974	981	989	rBB	27189	46467	3.50%	0.369%
11	8.765	1001	1009	1017	rBV2	57934	98665	7.43%	0.783%
12	9.229	1081	1088	1097	rBV	82115	145857	10.98%	1.157%
13	9.553	1137	1143	1148	rBB	1588	2986	0.22%	0.024%
14	9.952	1205	1211	1222	rBB	73304	131734	9.92%	1.045%
15	10.275	1260	1266	1275	rBB5	4509	13033	0.98%	0.103%
16	10.369	1278	1282	1288	rBV2	2429	5935	0.45%	0.047%
17	10.499	1297	1304	1316	rBV	105380	190405	14.33%	1.510%
18	10.880	1360	1369	1372	rBV	102793	199294	15.00%	1.581%
19	10.933	1372	1378	1390	rVV	726964	1328312	100.00%	10.537%
20	11.045	1390	1397	1405	rVB2	17639	31588	2.38%	0.251%
21	12.056	1566	1569	1574	rBV3	2020	3042	0.23%	0.024%
22	12.420	1627	1631	1640	rVV6	3605	8412	0.63%	0.067%
23	12.526	1642	1649	1661	rVV	218135	355963	26.80%	2.824%
24	12.643	1664	1669	1675	rVB	4905	8461	0.64%	0.067%
25	12.743	1675	1686	1697	rBV	135738	223938	16.86%	1.776%
26	13.530	1814	1820	1827	rBV	71932	112265	8.45%	0.891%
27	13.724	1848	1853	1863	rVB	14847	24774	1.87%	0.197%
28	13.871	1867	1878	1884	rBB4	14691	38516	2.90%	0.306%
29	14.012	1896	1902	1908	rBV2	30732	56333	4.24%	0.447%
30	14.094	1908	1916	1923	rVV	275418	409045	30.79%	3.245%
31	14.253	1938	1943	1946	rBV	11880	18084	1.36%	0.143%
32	14.282	1946	1948	1953	rVB2	4435	5536	0.42%	0.044%
33	14.394	1960	1967	1979	rVB	261533	466051	35.09%	3.697%
34	14.694	2007	2018	2024	rBV2	194929	338707	25.50%	2.687%

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35	14.758	2024	2029	2036	rVV	435867	669980	50.44%	5.315%
36	14.829	2036	2041	2047	rVV	14824	22107	1.66%	0.175%
37	14.905	2049	2054	2063	rVV3	18785	35376	2.66%	0.281%
38	14.999	2066	2070	2076	rVV2	7004	10694	0.81%	0.085%
39	15.093	2079	2086	2094	rBV	211563	329851	24.83%	2.617%
40	15.164	2094	2098	2102	rVB	3478	4439	0.33%	0.035%
41	15.305	2113	2122	2126	rBV4	4309	7735	0.58%	0.061%
42	15.363	2128	2132	2138	rVB4	2736	4293	0.32%	0.034%
43	15.481	2145	2152	2156	rBV3	2308	5191	0.39%	0.041%
44	15.563	2163	2166	2171	rVB2	1846	2685	0.20%	0.021%
45	15.687	2176	2187	2192	rVV	410030	604791	45.53%	4.798%
46	15.740	2192	2196	2203	rVV	273057	415604	31.29%	3.297%
47	15.810	2203	2208	2214	rVV	124880	188302	14.18%	1.494%
48	15.863	2214	2217	2220	rVV3	14278	22099	1.66%	0.175%
49	15.898	2220	2223	2229	rVV3	17464	32085	2.42%	0.255%
50	15.951	2229	2232	2235	rVV2	4167	6923	0.52%	0.055%
51	15.992	2235	2239	2242	rVV2	7605	10658	0.80%	0.085%
52	16.027	2242	2245	2251	rVB	14310	21103	1.59%	0.167%
53	16.174	2260	2270	2280	rVB3	15533	37605	2.83%	0.298%
54	16.268	2282	2286	2291	rBV3	2362	4251	0.32%	0.034%
55	16.533	2323	2331	2340	rBV4	12043	19012	1.43%	0.151%
56	16.744	2356	2367	2372	rBV4	8827	20531	1.55%	0.163%
57	16.791	2372	2375	2380	rVV3	5060	6706	0.50%	0.053%
58	16.891	2386	2392	2398	rVB3	5106	6333	0.48%	0.050%
59	17.026	2408	2415	2419	rVB2	5970	9133	0.69%	0.072%
60	17.097	2423	2427	2433	rVB3	5604	8471	0.64%	0.067%
61	17.261	2446	2455	2462	rVB	38081	54949	4.14%	0.436%
62	17.443	2479	2486	2489	rBV2	275028	434796	32.73%	3.449%
63	17.485	2489	2493	2498	rVV	519602	753069	56.69%	5.974%
64	17.543	2498	2503	2515	rVV	450854	710451	53.49%	5.636%
65	17.843	2547	2554	2562	rVB	53870	78987	5.95%	0.627%
66	17.955	2567	2573	2578	rVB4	2658	4209	0.32%	0.033%
67	18.096	2592	2597	2600	rBV3	4561	6450	0.49%	0.051%
68	18.313	2629	2634	2638	rBV2	10847	14380	1.08%	0.114%
69	18.360	2638	2642	2651	rVB2	24791	37922	2.85%	0.301%
70	18.442	2652	2656	2662	rBV3	2396	3815	0.29%	0.030%
71	18.513	2662	2668	2677	rBV2	31186	54074	4.07%	0.429%

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72	18.613	2680	2685	2689	rBV2	7344	10895	0.82%	0.086%
73	18.660	2689	2693	2697	rVV2	9593	14056	1.06%	0.112%
74	18.748	2703	2708	2714	rBV3	5921	10241	0.77%	0.081%
75	18.807	2714	2718	2722	rVV2	4274	6361	0.48%	0.050%
76	18.854	2722	2726	2733	rVB2	8739	12745	0.96%	0.101%
77	19.335	2800	2808	2811	rVV5	2148	4912	0.37%	0.039%
78	19.371	2812	2814	2819	rVV3	1978	2931	0.22%	0.023%
79	19.488	2822	2834	2842	rVB	72517	108977	8.20%	0.865%
80	19.717	2868	2873	2878	rVV3	4953	9271	0.70%	0.074%
81	19.823	2883	2891	2904	rBV	591972	928166	69.88%	7.363%
82	20.228	2953	2960	2968	rVB	10454	15437	1.16%	0.122%
83	20.440	2993	2996	3001	rVB2	2772	3742	0.28%	0.030%
84	21.327	3144	3147	3151	rVB4	2260	2990	0.23%	0.024%
85	21.427	3159	3164	3169	rVB5	2260	4032	0.30%	0.032%
86	21.574	3186	3189	3194	rBV2	2804	3291	0.25%	0.026%
87	21.709	3205	3212	3222	rBV	343379	559773	42.14%	4.441%
88	22.126	3279	3283	3288	rVB3	4156	6492	0.49%	0.052%
89	22.485	3341	3344	3347	rBV3	2786	3445	0.26%	0.027%
90	23.184	3458	3463	3468	rVB5	5894	10710	0.81%	0.085%
91	23.824	3567	3572	3578	rVB3	3645	7440	0.56%	0.059%
92	23.983	3594	3599	3605	rVB3	5444	10830	0.82%	0.086%
93	24.741	3717	3728	3746	rBV	308512	846480	63.73%	6.715%
94	24.964	3754	3766	3778	rVV2	186782	533556	40.17%	4.233%
95	26.063	3946	3953	3963	rVB3	6653	18878	1.42%	0.150%
96	27.420	4176	4184	4196	rVB6	7278	24123	1.82%	0.191%
97	28.101	4298	4300	4306	rVB2	1551	2530	0.19%	0.020%
98	29.053	4454	4462	4474	rVB8	5198	20364	1.53%	0.162%
99	31.027	4794	4798	4799	rVV4	3930	4839	0.36%	0.038%
100	31.045	4799	4801	4807	rVV5	3446	6860	0.52%	0.054%

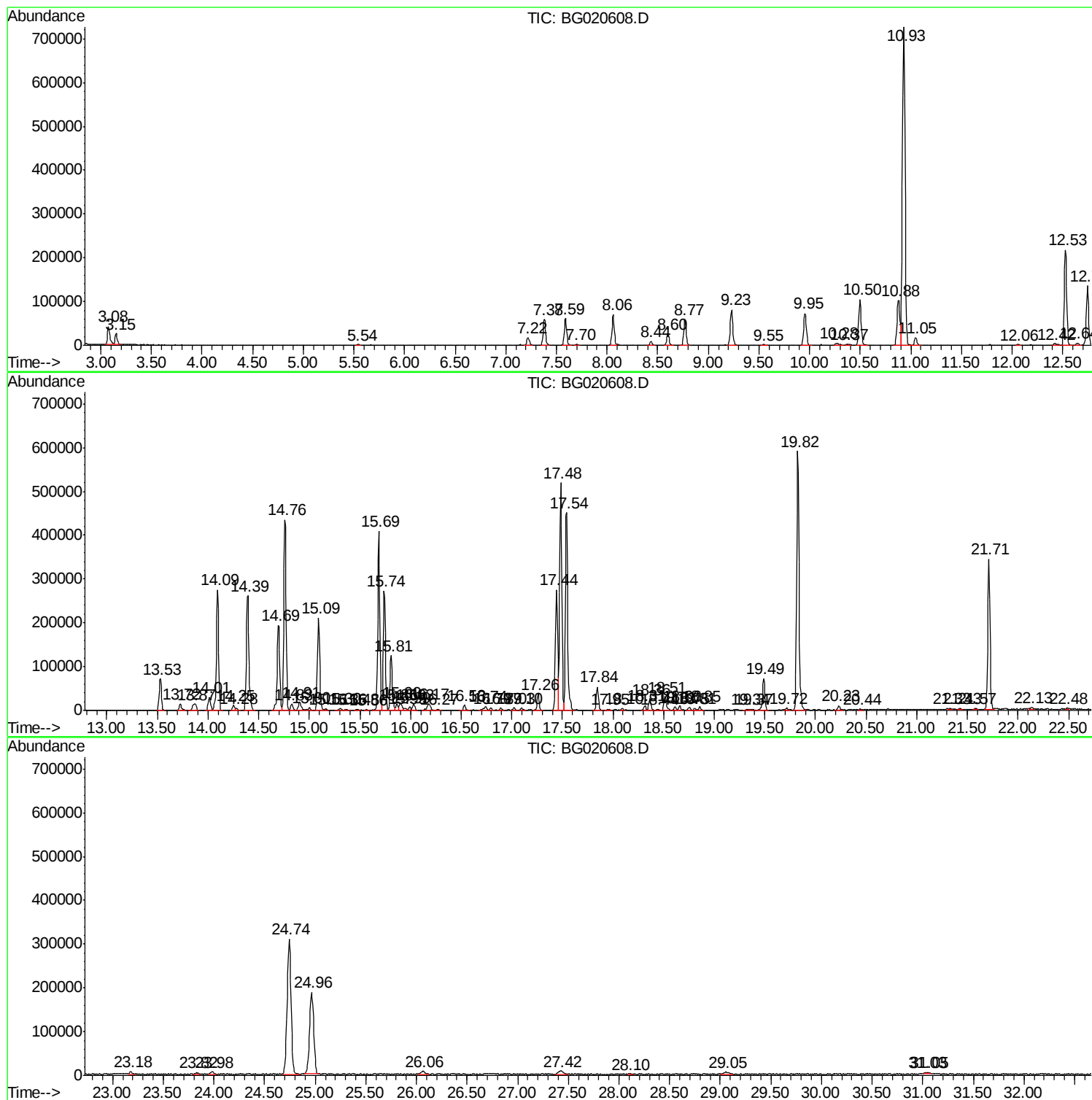
Sum of corrected areas: 12605582

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

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



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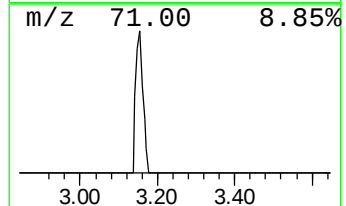
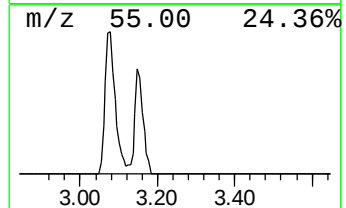
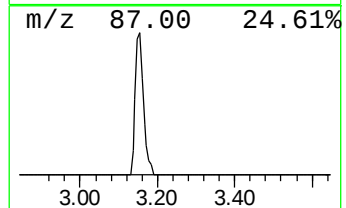
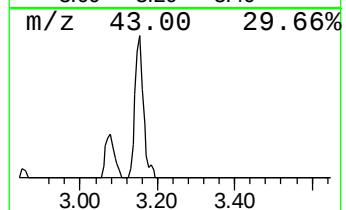
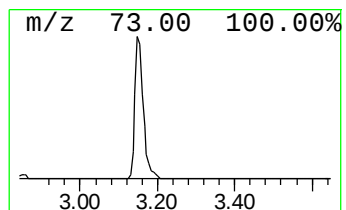
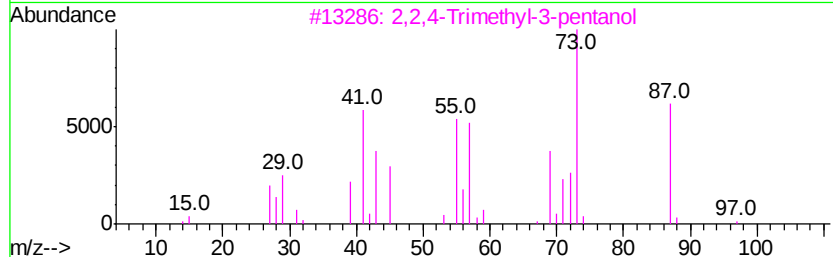
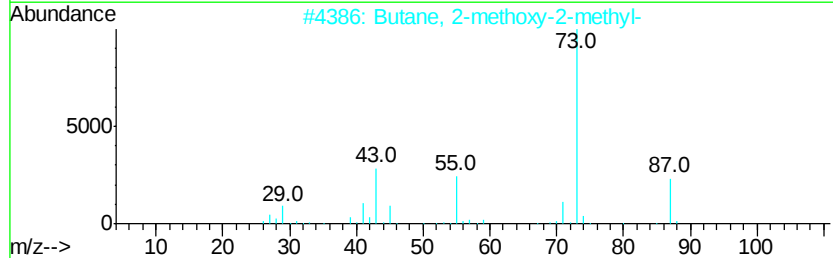
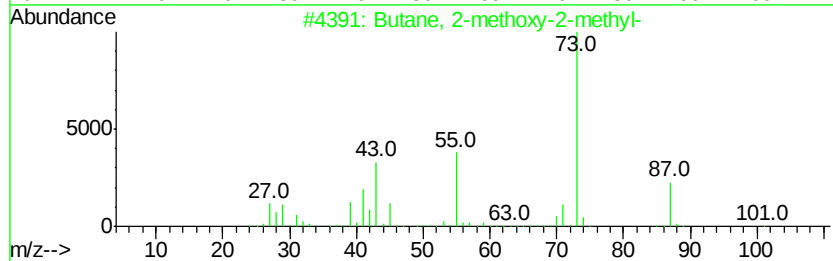
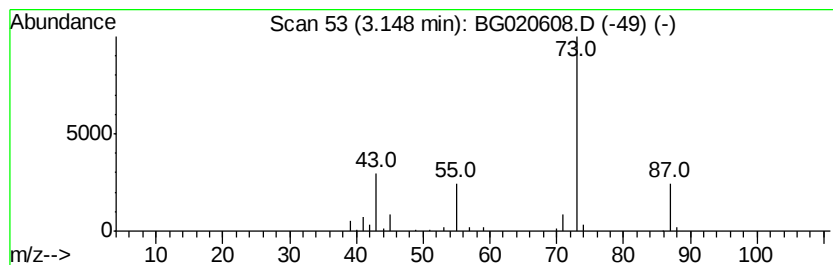
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.15	6.41 ng/ul	37554	1,4-Dichlorobenzene-d4	8.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2		Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3		2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	56
4		Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5		2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	17



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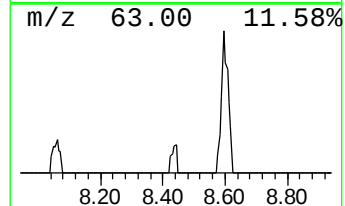
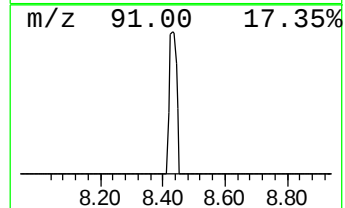
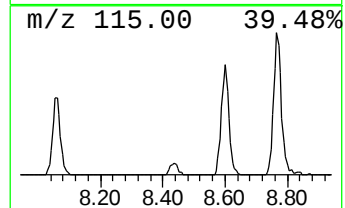
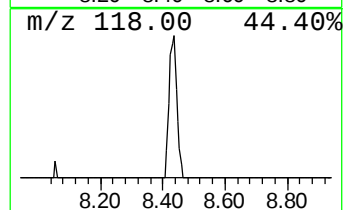
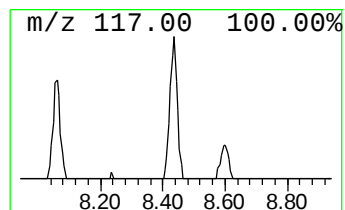
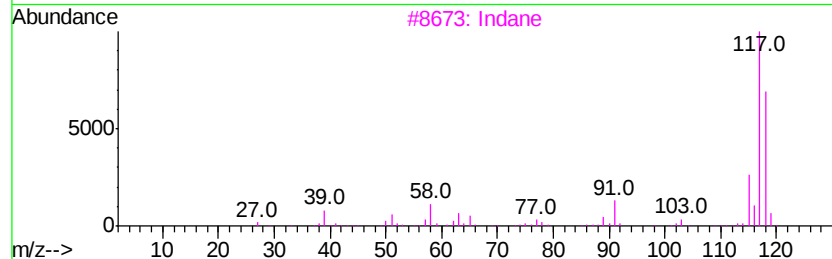
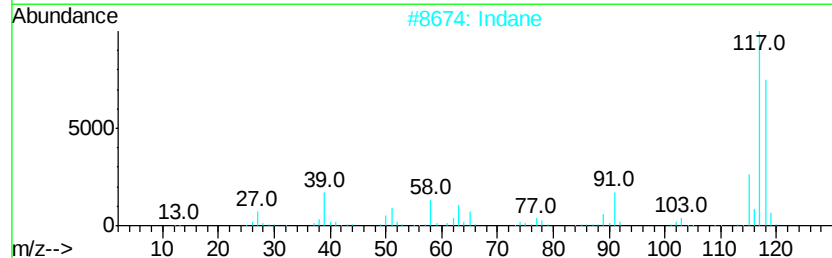
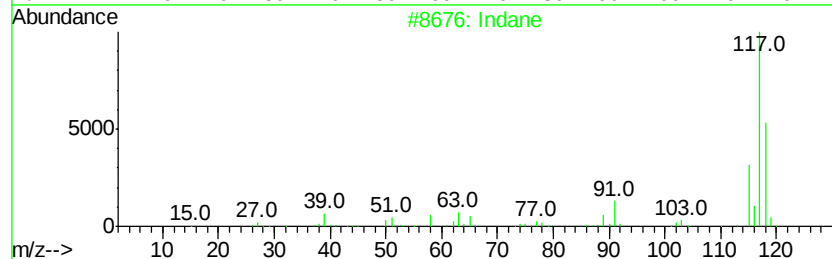
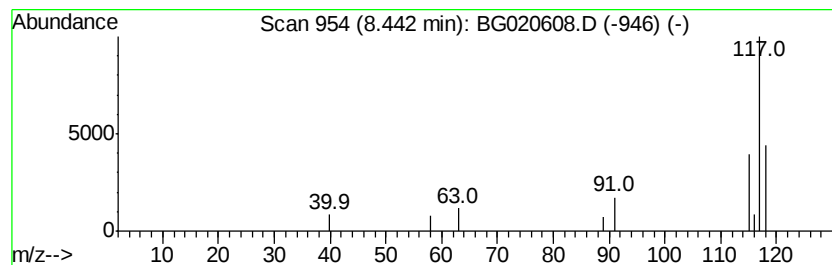
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

Peak Number 3 Indane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.44	2.35 ng/ul	13793	1,4-Dichlorobenzene-d4	8.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indane	118	C9H10	000496-11-7	83
2		Indane	118	C9H10	000496-11-7	72
3		Indane	118	C9H10	000496-11-7	72
4		Benzene, 1-propenyl-	118	C9H10	000637-50-3	64
5		Benzene, cyclopropyl-	118	C9H10	000873-49-4	64



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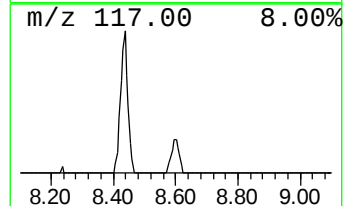
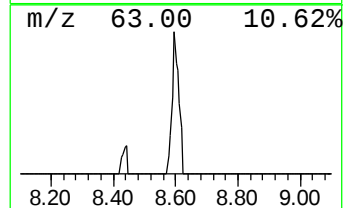
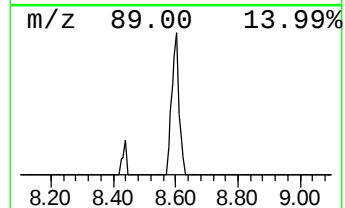
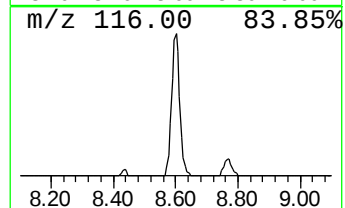
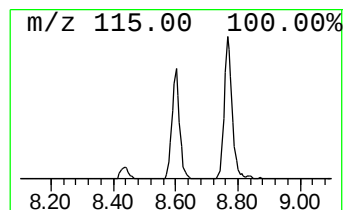
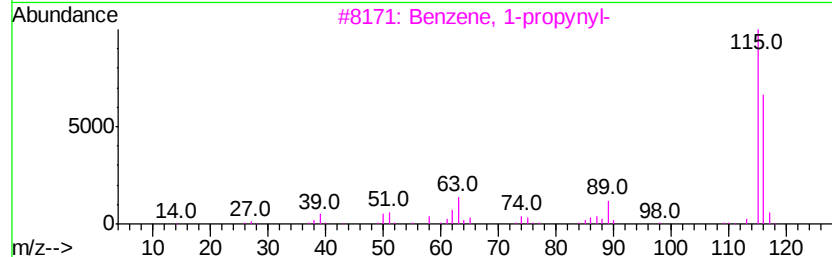
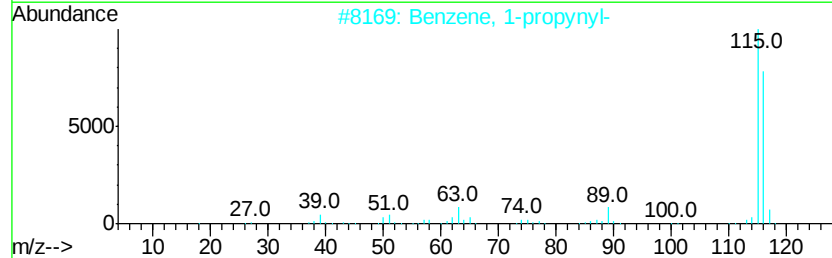
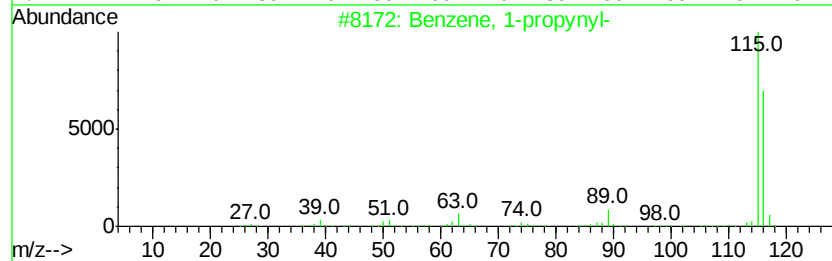
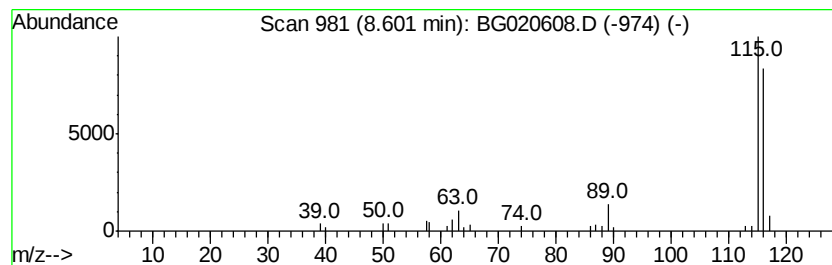
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Benzene, 1-propynyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.60	7.93 ng/ul	46467	1,4-Dichlorobenzene-d4	8.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
2		Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
3		Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
4		Indene	116	C9H8	000095-13-6	91
5		Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91



Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020608.D
Acq On : 30 Dec 2015 14:36
Operator : UM/SJ
Sample : G4846-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
D9N55

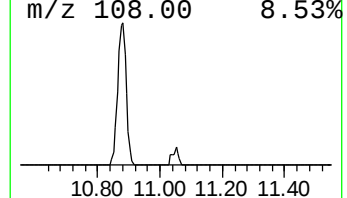
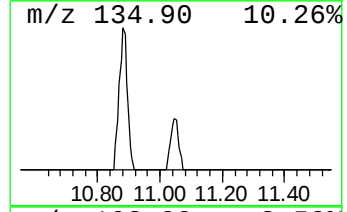
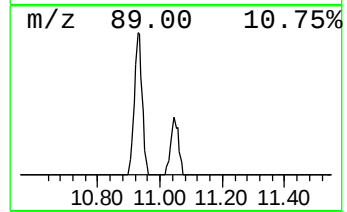
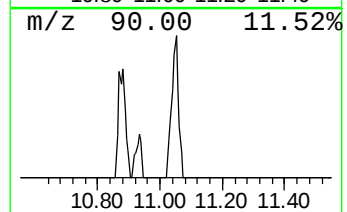
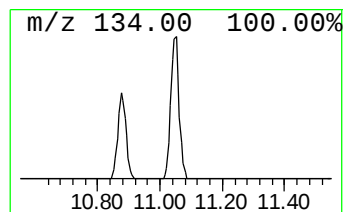
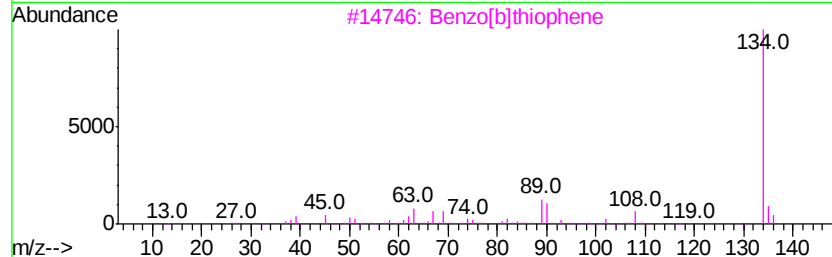
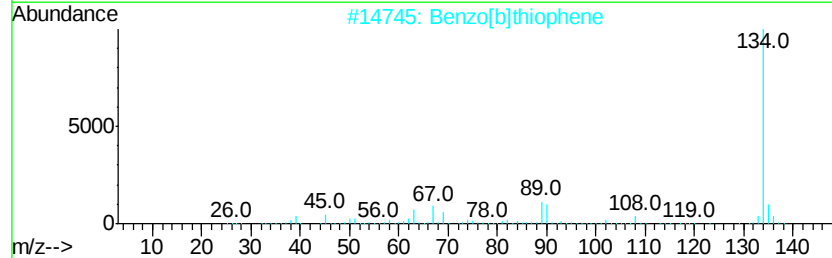
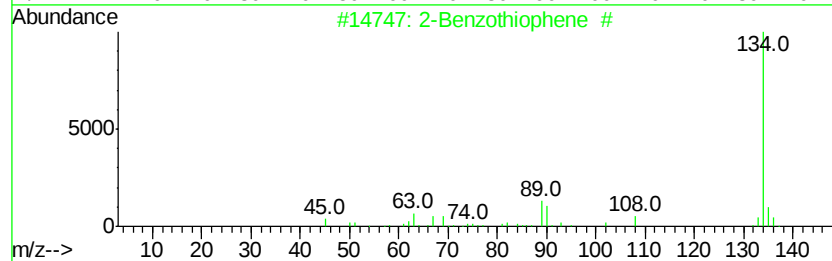
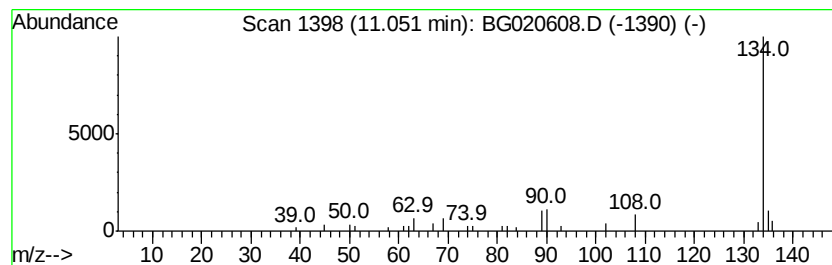
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 2-Benzothiophene # Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.05	3.17 ng/ul	31588	Naphthalene-d8	10.88

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020608.D
Acq On : 30 Dec 2015 14:36
Operator : UM/SJ
Sample : G4846-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N55

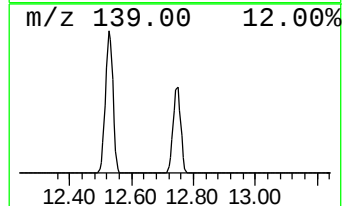
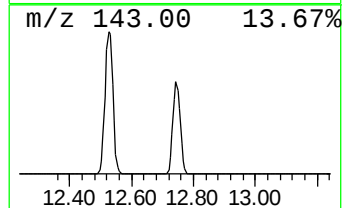
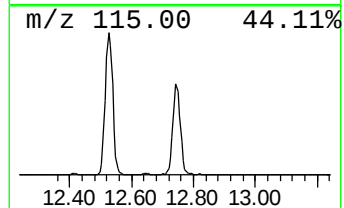
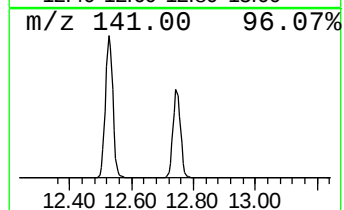
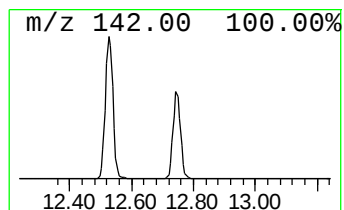
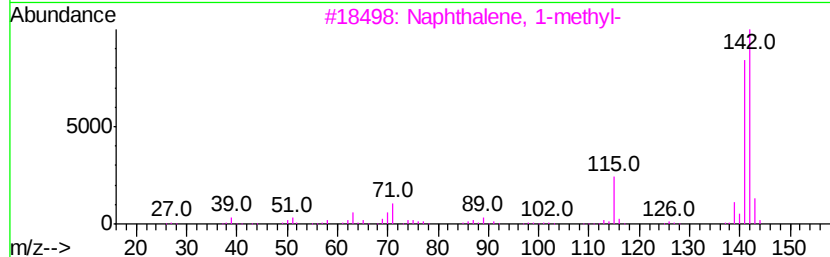
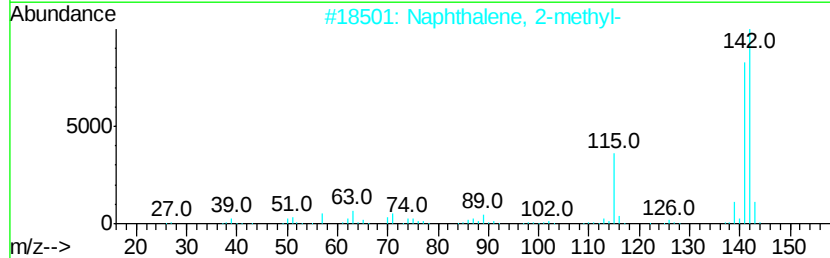
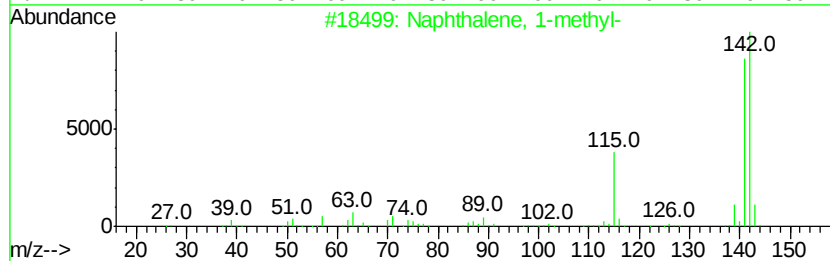
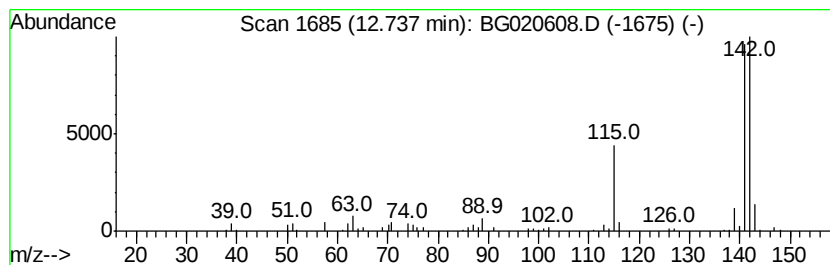
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.74	22.47 ng/ul	223938	Naphthalene-d8	10.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4		Benzocycloheptatriene	142	C11H10	000264-09-5	91
5		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91



Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020608.D
Acq On : 30 Dec 2015 14:36
Operator : UM/SJ
Sample : G4846-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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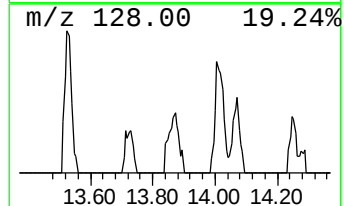
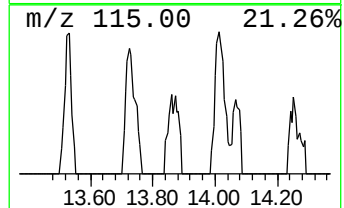
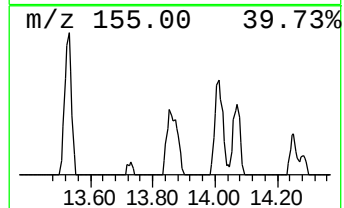
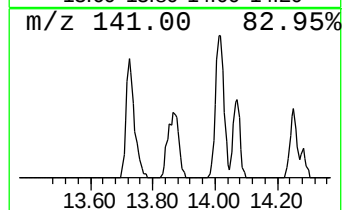
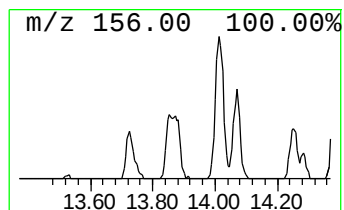
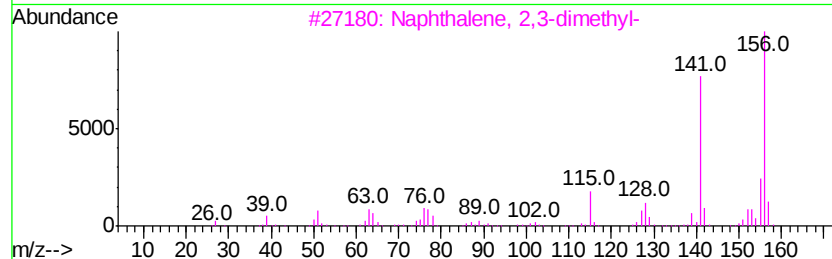
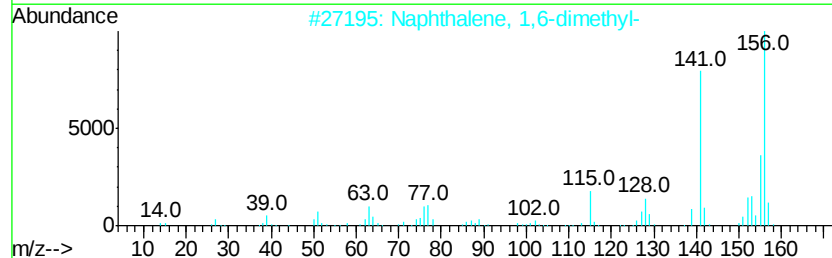
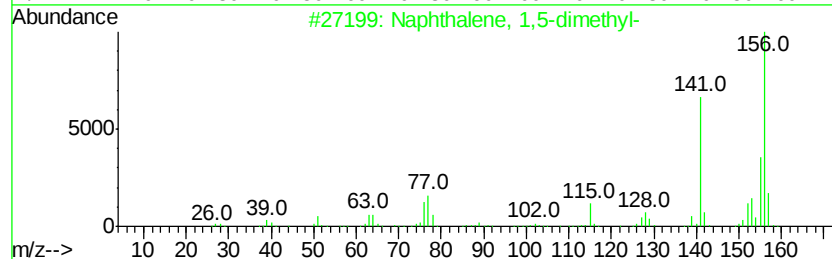
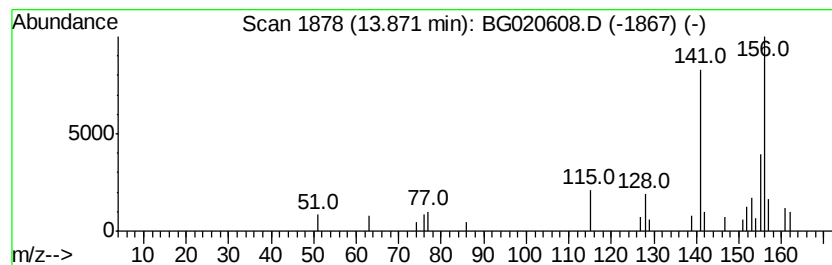
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Naphthalene, 1,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	2.27 ng/ul	38516	Acenaphthene-d10	14.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
2		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	94
3		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
4		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	93
5		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	93



Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020608.D
Acq On : 30 Dec 2015 14:36
Operator : UM/SJ
Sample : G4846-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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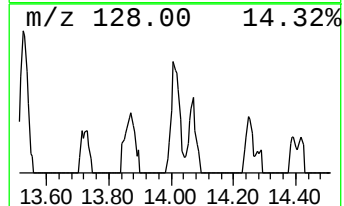
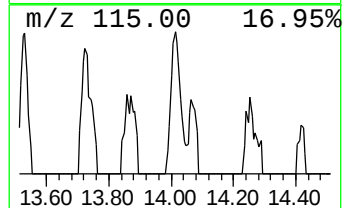
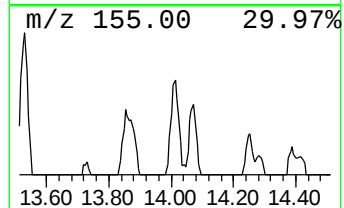
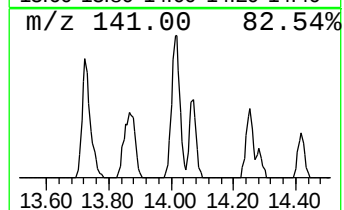
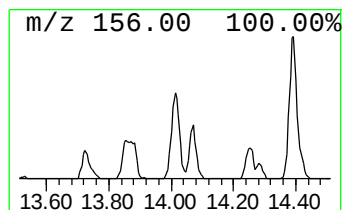
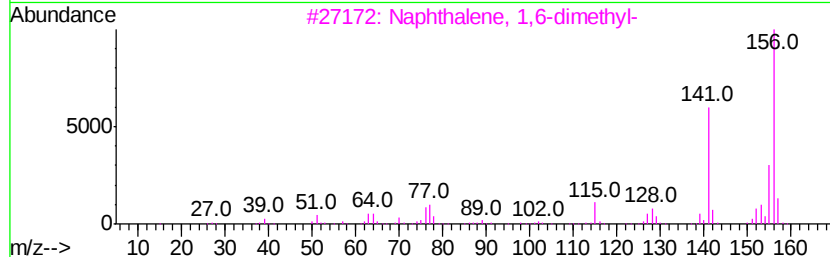
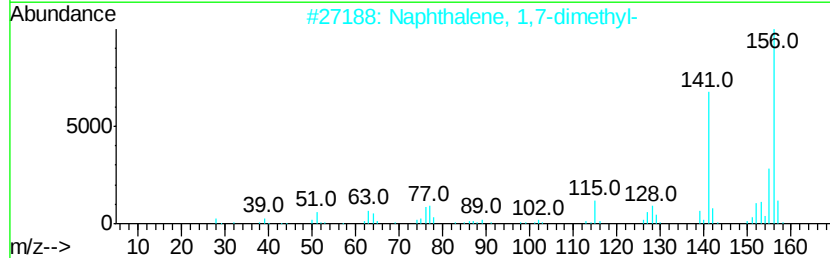
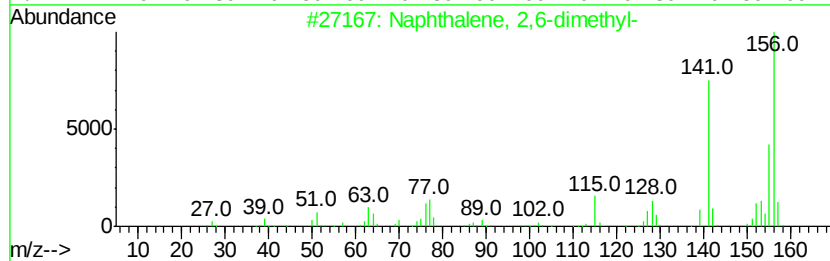
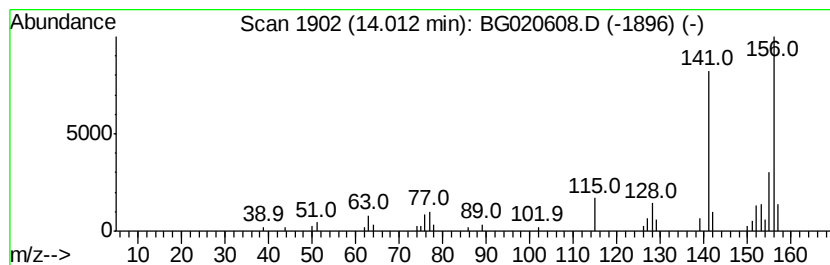
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 Naphthalene, 2,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	3.33 ng/ul	56333	Acenaphthene-d10	14.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96



Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
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Operator : UM/SJ
Sample : G4846-09
Misc :
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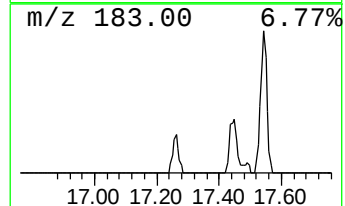
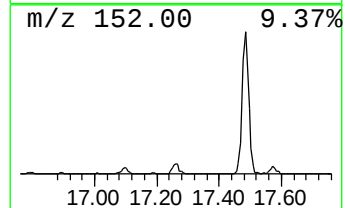
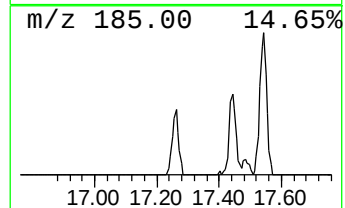
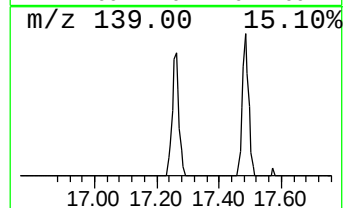
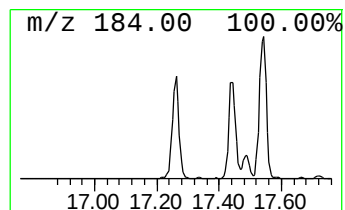
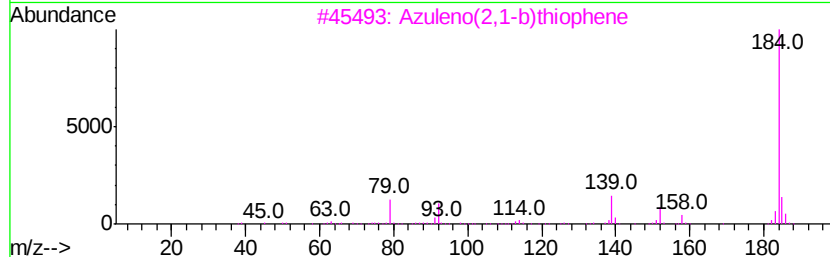
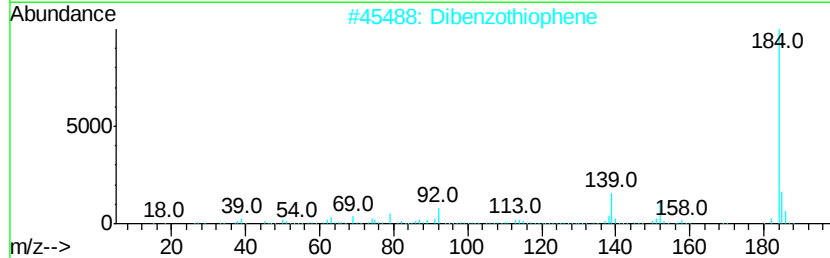
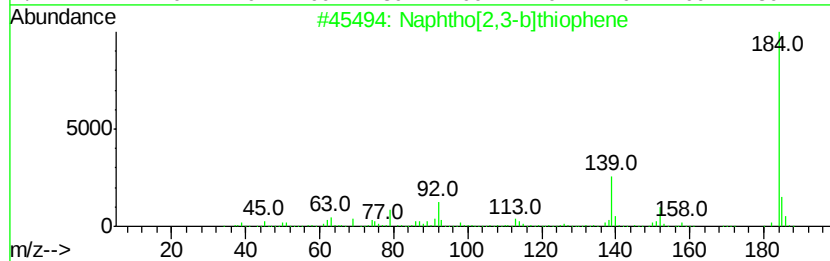
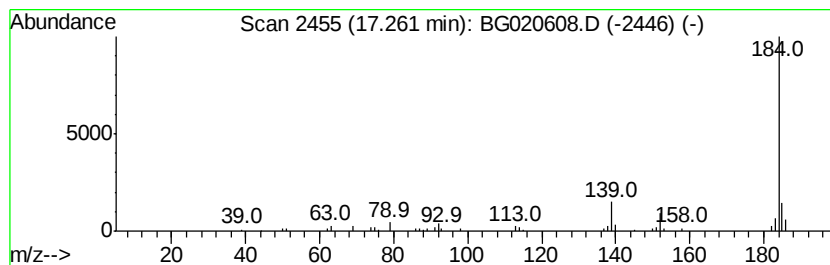
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 Naphtho[2,3-b]thiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.26	2.53 ng/ul	54949	Phenanthrene-d10	17.44	
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	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	94
4	Dibenzothiophene	184	C12H8S	000132-65-0	94
5	Dibenzothiophene	184	C12H8S	000132-65-0	94



Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020608.D
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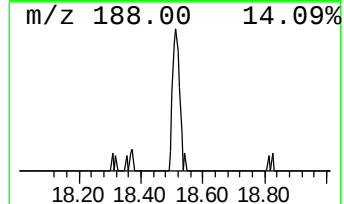
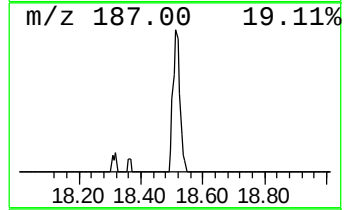
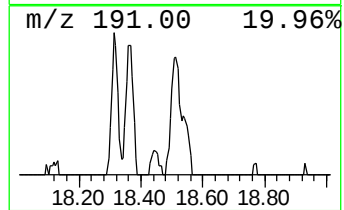
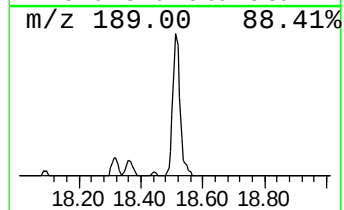
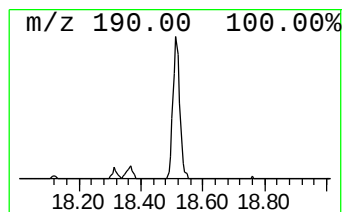
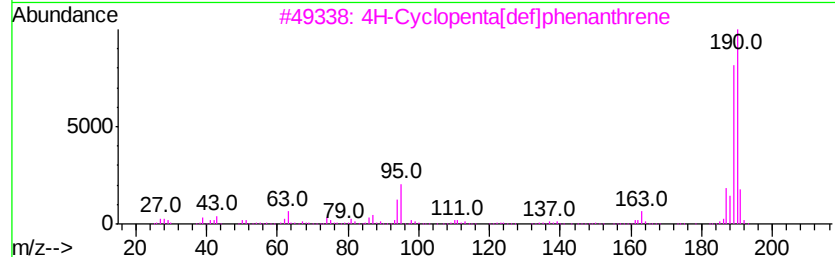
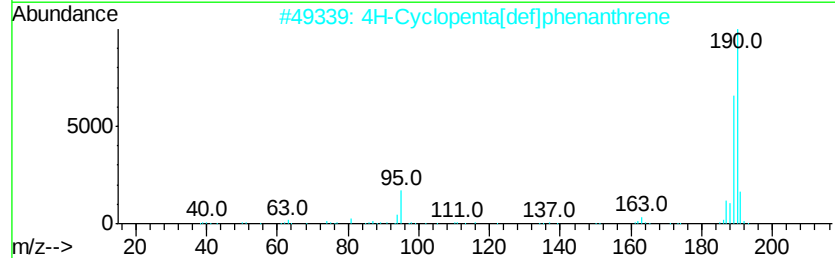
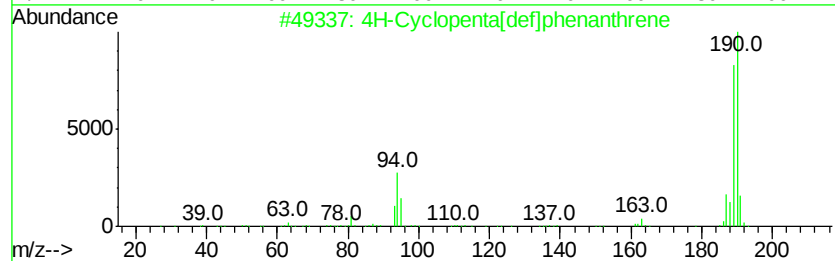
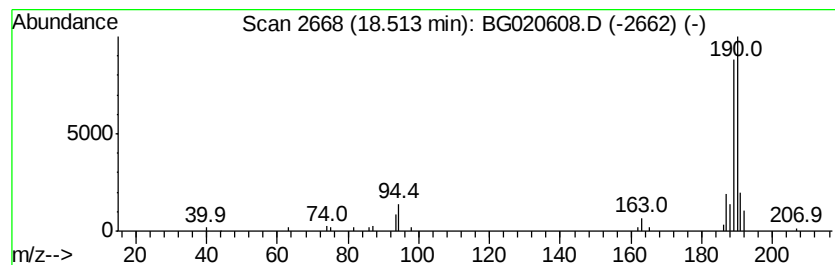
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	2.49 ng/ul	54074	Phenanthrene-d10	17.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
3		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
4		Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	72
5		6,7-Methylenedioxy-4(3H)-quinazo...	190	C9H6N2O3	028310-11-4	42



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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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Indane	8.44	2.4	ng/ul	13793	1	8.06	117185	20.0
Benzene, 1-propynyl-	8.60	7.9	ng/ul	46467	1	8.06	117185	20.0
2-Benzothiophene #	11.05	3.2	ng/ul	31588	2	10.88	199294	20.0
Naphthalene, 1-me...	12.74	22.5	ng/ul	223938	2	10.88	199294	20.0
Naphthalene, 1,5-...	13.87	2.3	ng/ul	38516	3	14.70	338707	20.0
Naphthalene, 2,6-...	14.01	3.3	ng/ul	56333	3	14.70	338707	20.0
Naphtho[2,3-b]thi...	17.26	2.5	ng/ul	54949	4	17.44	434796	20.0
4H-Cyclopenta[def...	18.51	2.5	ng/ul	54074	4	17.44	434796	20.0