

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
 Data File : BG020511.D
 Acq On : 25 Dec 2015 19:46
 Operator : UM/SJ
 Sample : G4847-01
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N66

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-BG122415.M
 Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.099	38	44	52	rBV	44721	87519	6.28%	0.831%
2	3.175	52	57	65	rVB	32100	47887	3.44%	0.455%
3	5.561	458	463	470	rVB2	4311	6407	0.46%	0.061%
4	5.696	479	486	495	rBV	1790	4081	0.29%	0.039%
5	7.235	740	748	756	rBV2	14214	25241	1.81%	0.240%
6	7.394	769	775	783	rBV	50672	88026	6.32%	0.836%
7	7.605	804	811	820	rBV	53907	93394	6.71%	0.887%
8	7.717	824	830	834	rBV3	2838	3797	0.27%	0.036%
9	8.075	884	891	898	rBV	60463	100564	7.22%	0.955%
10	8.451	949	955	963	rBB	10181	16275	1.17%	0.155%
11	8.616	976	983	992	rBB	38439	68807	4.94%	0.654%
12	8.786	1006	1012	1023	rBV	45322	81647	5.86%	0.775%
13	9.245	1082	1090	1100	rBV	71172	126096	9.06%	1.198%
14	9.556	1139	1143	1149	rBB2	2314	3873	0.28%	0.037%
15	9.967	1207	1213	1223	rBB	60143	108903	7.82%	1.034%
16	10.291	1262	1268	1272	rBV4	4849	9857	0.71%	0.094%
17	10.514	1299	1306	1319	rBV	92528	166049	11.92%	1.577%
18	10.896	1362	1371	1374	rBV	84058	163110	11.71%	1.549%
19	10.949	1374	1380	1392	rVV	780270	1392546	100.00%	13.226%
20	11.060	1394	1399	1409	rVB	21962	40101	2.88%	0.381%
21	12.435	1629	1633	1644	rBV4	3306	7195	0.52%	0.068%
22	12.541	1644	1651	1661	rBV	167749	273272	19.62%	2.595%
23	12.658	1666	1671	1678	rBB3	3451	6754	0.49%	0.064%
24	12.758	1678	1688	1698	rBV	110743	187855	13.49%	1.784%
25	13.540	1816	1821	1828	rBV	52562	82970	5.96%	0.788%
26	13.739	1850	1855	1864	rVB	9097	15719	1.13%	0.149%
27	13.886	1870	1880	1887	rBB4	9285	23075	1.66%	0.219%
28	14.027	1898	1904	1909	rBV	21309	35727	2.57%	0.339%
29	14.110	1909	1918	1923	rVV	214688	327693	23.53%	3.112%
30	14.151	1923	1925	1932	rVB	13107	16468	1.18%	0.156%
31	14.262	1940	1944	1948	rBV2	8250	12299	0.88%	0.117%
32	14.298	1948	1950	1955	rVB	3007	3504	0.25%	0.033%
33	14.403	1961	1968	1979	rBV	223407	394246	28.31%	3.744%
34	14.709	2010	2020	2026	rBV2	162587	267550	19.21%	2.541%

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 Title : SVOA CALIBRATION

35	14.773	2026	2031	2038	rVV	350007	526691	37.82%	5.002%
36	14.838	2038	2042	2047	rVV	30574	45559	3.27%	0.433%
37	14.915	2050	2055	2064	rVV4	9840	19862	1.43%	0.189%
38	15.020	2069	2073	2077	rVV	4570	6516	0.47%	0.062%
39	15.108	2081	2088	2096	rBV	140962	241706	17.36%	2.296%
40	15.179	2098	2100	2109	rVB5	2493	4685	0.34%	0.044%
41	15.314	2118	2123	2130	rBV3	2376	4463	0.32%	0.042%
42	15.490	2147	2153	2156	rBV4	1867	3697	0.27%	0.035%
43	15.531	2156	2160	2163	rVV3	3413	4166	0.30%	0.040%
44	15.702	2182	2189	2193	rVV	324008	486523	34.94%	4.621%
45	15.755	2193	2198	2204	rVV	201820	293663	21.09%	2.789%
46	15.813	2204	2208	2216	rVV	95106	144257	10.36%	1.370%
47	15.878	2216	2219	2222	rVV2	10019	14103	1.01%	0.134%
48	15.919	2222	2226	2237	rVV5	10630	24453	1.76%	0.232%
49	16.001	2237	2240	2244	rVV3	3562	5460	0.39%	0.052%
50	16.048	2244	2248	2253	rVB	7789	11043	0.79%	0.105%
51	16.189	2256	2272	2283	rVB5	9465	26157	1.88%	0.248%
52	16.395	2302	2307	2309	rBV2	4059	5161	0.37%	0.049%
53	16.424	2309	2312	2317	rVB4	3217	4704	0.34%	0.045%
54	16.542	2323	2332	2336	rBV2	7803	12456	0.89%	0.118%
55	16.577	2336	2338	2341	rVV2	2756	2934	0.21%	0.028%
56	16.759	2359	2369	2373	rVB5	3911	10918	0.78%	0.104%
57	16.801	2373	2376	2381	rBV3	2378	3554	0.26%	0.034%
58	16.906	2387	2394	2398	rBV2	3638	5255	0.38%	0.050%
59	17.036	2411	2416	2419	rBV2	7722	9142	0.66%	0.087%
60	17.071	2419	2422	2425	rVV	2609	4069	0.29%	0.039%
61	17.106	2425	2428	2436	rVB2	8642	15176	1.09%	0.144%
62	17.182	2438	2441	2446	rBV2	3201	4371	0.31%	0.042%
63	17.271	2452	2456	2463	rVB	20003	30010	2.16%	0.285%
64	17.453	2481	2487	2491	rVV	235658	365898	26.28%	3.475%
65	17.494	2491	2494	2499	rVV	278278	404425	29.04%	3.841%
66	17.553	2499	2504	2516	rVV	390664	581590	41.76%	5.524%
67	17.652	2516	2521	2525	rVB2	2543	3901	0.28%	0.037%
68	17.858	2550	2556	2564	rVV	117146	173452	12.46%	1.647%
69	17.952	2568	2572	2573	rVV3	2194	2946	0.21%	0.028%
70	17.964	2573	2574	2579	rVV2	3178	3056	0.22%	0.029%
71	18.105	2594	2598	2602	rBV3	7948	10029	0.72%	0.095%

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72	18.322	2626	2635	2639	rBV4	15087	23735	1.70%	0.225%
73	18.375	2639	2644	2653	rVB2	21740	35058	2.52%	0.333%
74	18.452	2653	2657	2663	rVB2	2435	3290	0.24%	0.031%
75	18.522	2663	2669	2675	rBV2	15752	26387	1.89%	0.251%
76	18.622	2680	2686	2690	rBV2	10115	16319	1.17%	0.155%
77	18.669	2690	2694	2699	rVV2	14086	19437	1.40%	0.185%
78	18.763	2705	2710	2716	rBV3	9778	16008	1.15%	0.152%
79	18.816	2716	2719	2723	rBV	2979	3470	0.25%	0.033%
80	18.863	2723	2727	2732	rVV	12585	16220	1.16%	0.154%
81	19.339	2803	2808	2813	rBV4	2114	4866	0.35%	0.046%
82	19.497	2825	2835	2841	rVB2	33148	54446	3.91%	0.517%
83	19.586	2845	2850	2856	rBV2	7516	9924	0.71%	0.094%
84	19.703	2865	2870	2871	rBV4	2241	3033	0.22%	0.029%
85	19.732	2871	2875	2881	rVB5	4571	8733	0.63%	0.083%
86	19.838	2886	2893	2903	rBV	475457	739265	53.09%	7.021%
87	20.238	2957	2961	2966	rBV	13893	19762	1.42%	0.188%
88	20.731	3040	3045	3049	rBV5	2768	4727	0.34%	0.045%
89	20.772	3050	3052	3055	rVB4	3233	2953	0.21%	0.028%
90	21.342	3145	3149	3158	rVV6	15007	27373	1.97%	0.260%
91	21.595	3190	3192	3196	rVB5	2926	3194	0.23%	0.030%
92	21.724	3207	3214	3222	rBV	296246	481388	34.57%	4.572%
93	22.141	3283	3285	3290	rVV3	4400	6875	0.49%	0.065%
94	22.382	3320	3326	3330	rBV8	3455	7344	0.53%	0.070%
95	23.199	3461	3465	3471	rVB5	4689	7455	0.54%	0.071%
96	24.021	3597	3605	3609	rVB6	5147	10483	0.75%	0.100%
97	24.762	3720	3731	3744	rVB	251069	690723	49.60%	6.560%
98	24.985	3758	3769	3783	rBV2	165060	454600	32.65%	4.318%
99	26.107	3954	3960	3968	rVB8	6334	17760	1.28%	0.169%
100	27.464	4186	4191	4194	rBV7	4441	9484	0.68%	0.090%

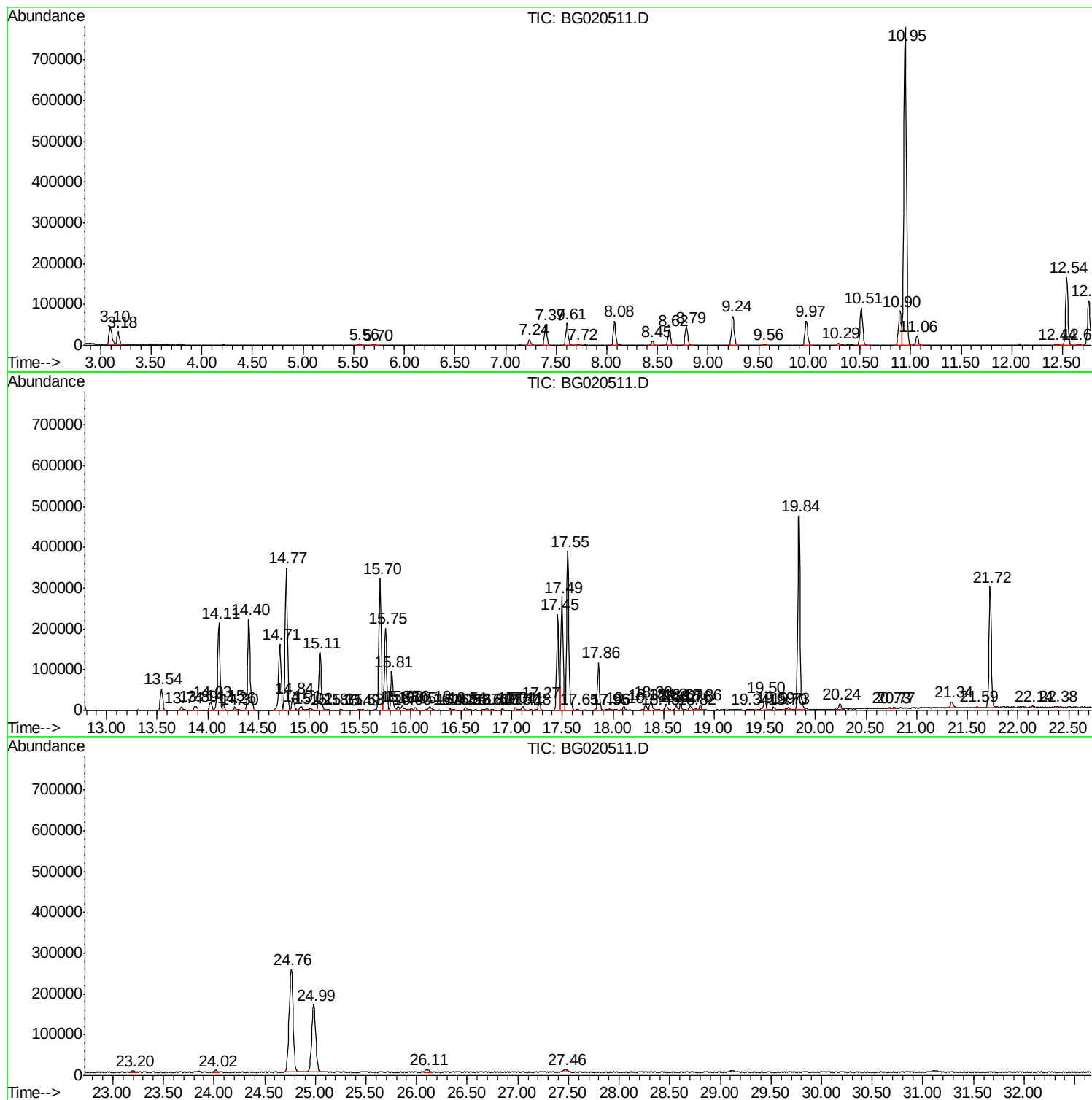
Sum of corrected areas: 10528870

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

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



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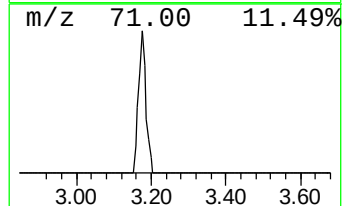
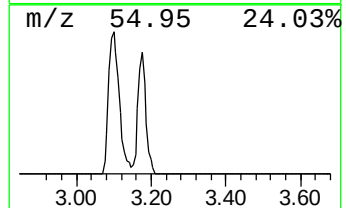
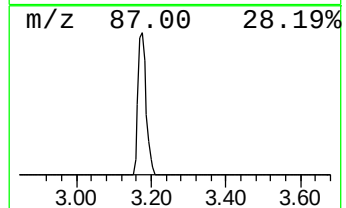
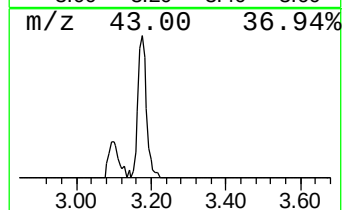
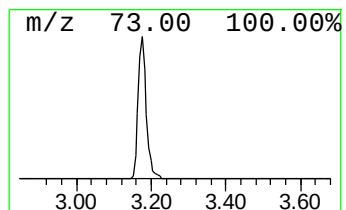
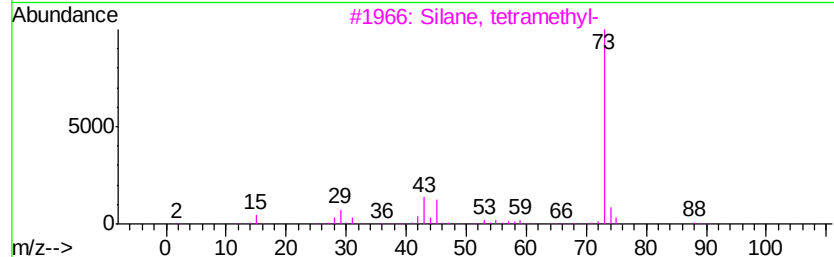
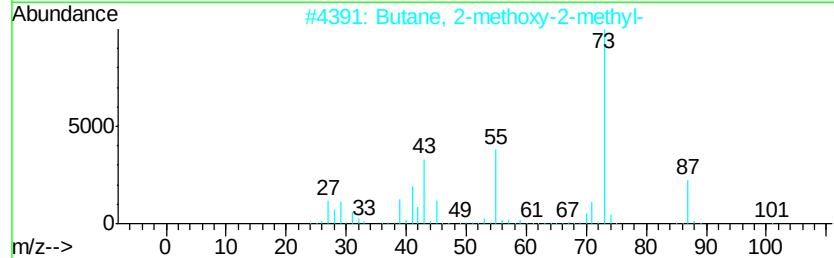
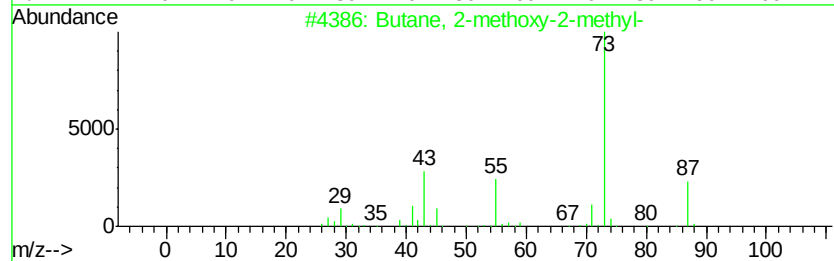
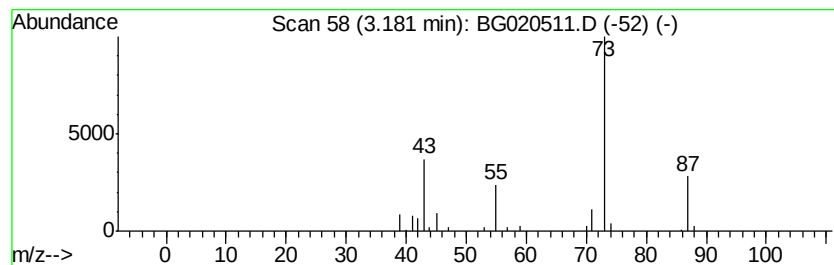
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.18	9.52 ng/ul	47887	1,4-Dichlorobenzene-d4	8.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2		Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
3		Silane, tetramethyl-	88	C4H12Si	000075-76-3	12
4		Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	10
5		1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9



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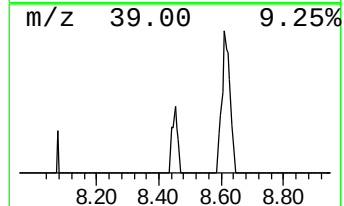
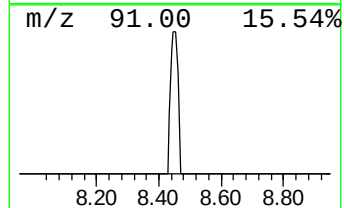
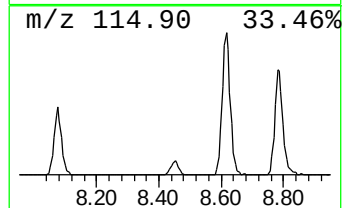
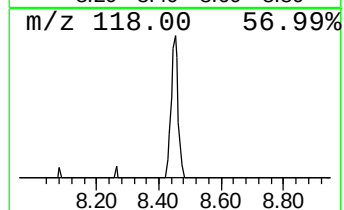
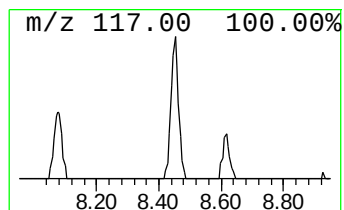
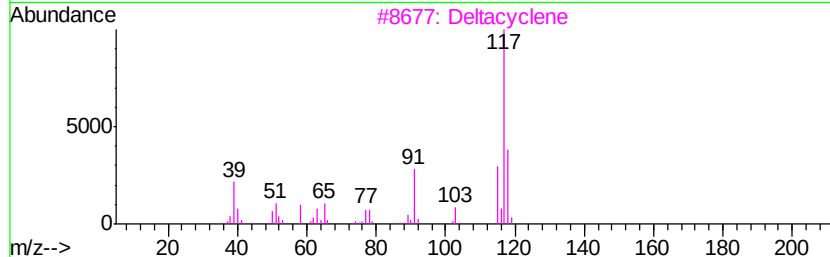
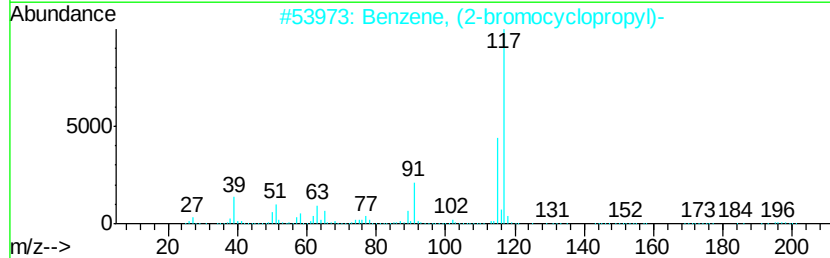
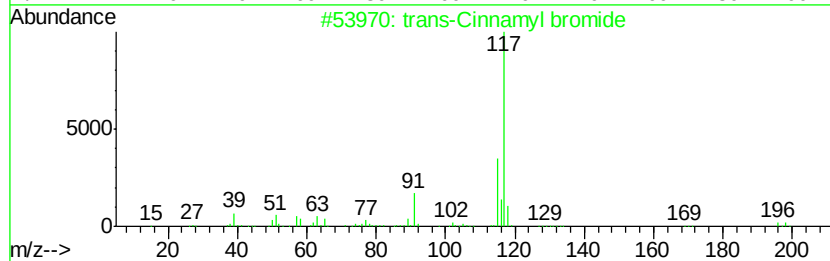
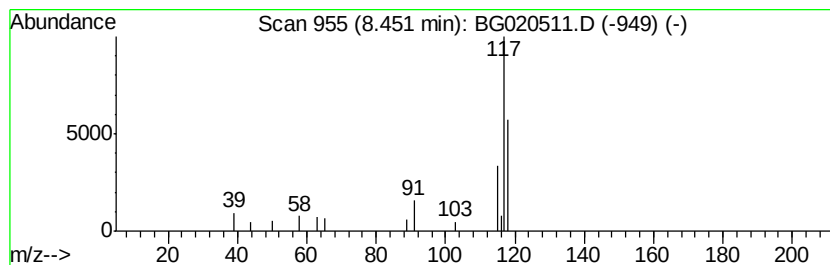
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG122415.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	3.24 ng/ul	16275	1,4-Dichlorobenzene-d4	8.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	trans-Cinnamyl bromide	196	C9H9Br	026146-77-0	45
2		Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	42
3		Deltacyclene	118	C9H10	007785-10-6	38
4		Bicyclo[4.2.1]nona-2,4,7-triene,...	274	C15H14Se	072065-43-1	10
5		Bicyclo[4.2.1]nona-2,4,7-triene,...	274	C15H14Se	072065-50-0	9



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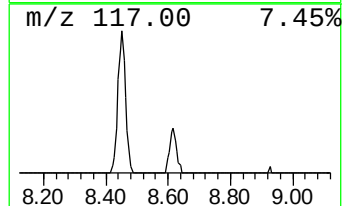
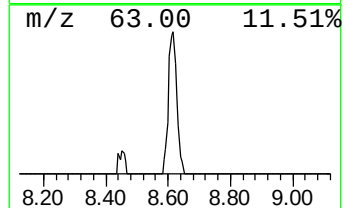
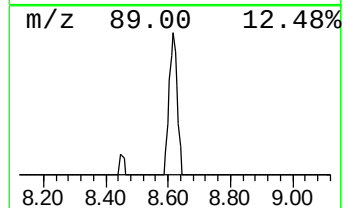
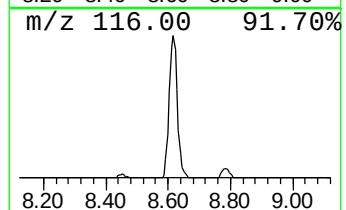
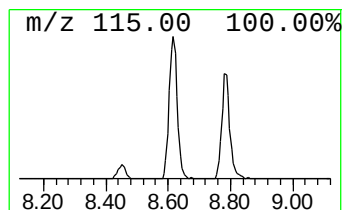
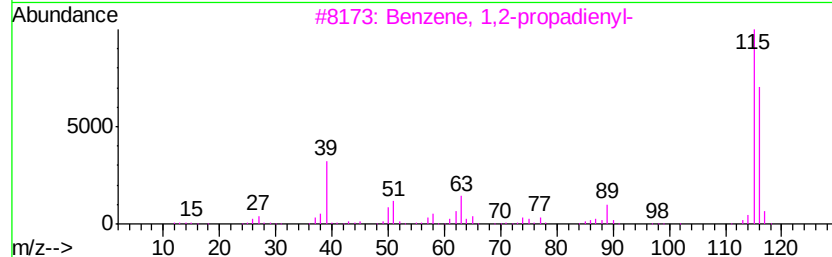
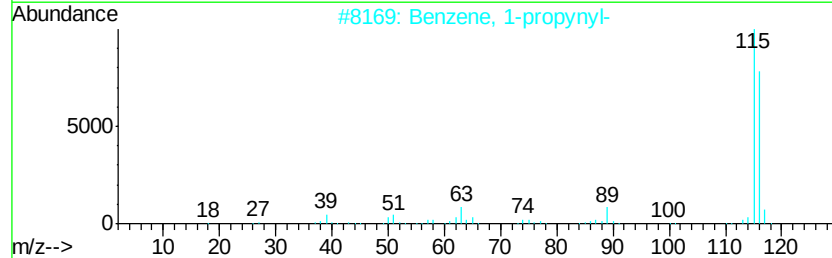
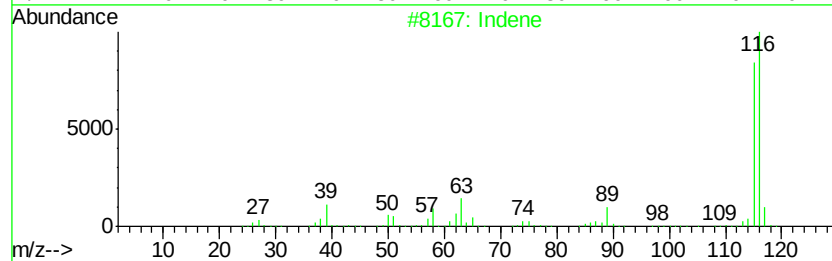
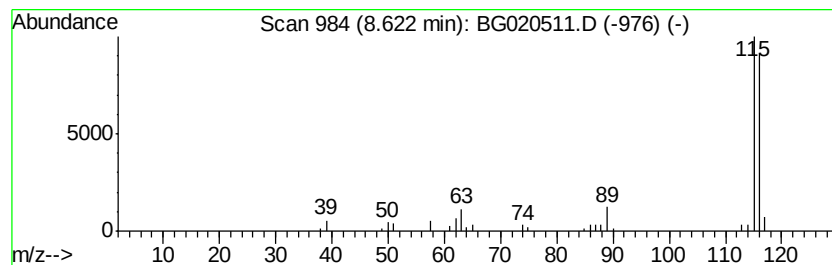
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Indene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.62	13.68 ng/ul	68807	1,4-Dichlorobenzene-d4	8.08

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020511.D
Acq On : 25 Dec 2015 19:46
Operator : UM/SJ
Sample : G4847-01
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N66

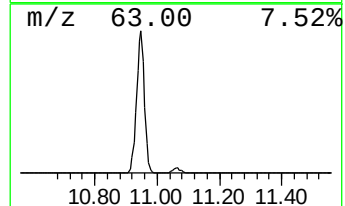
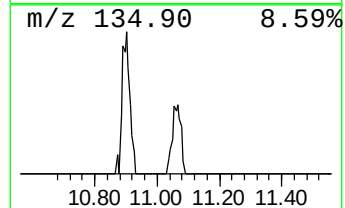
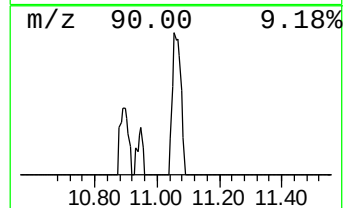
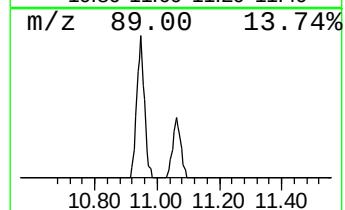
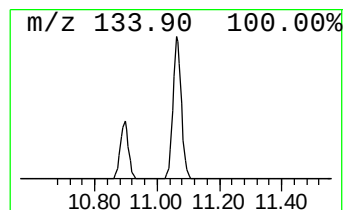
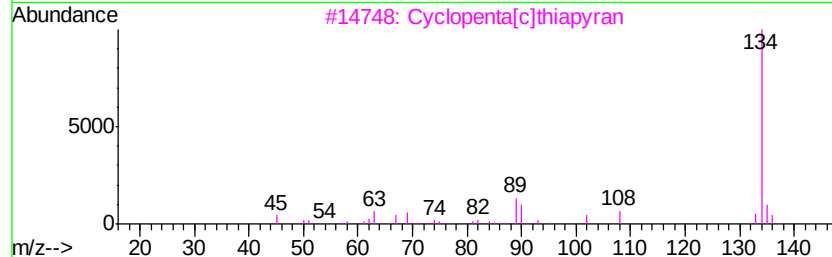
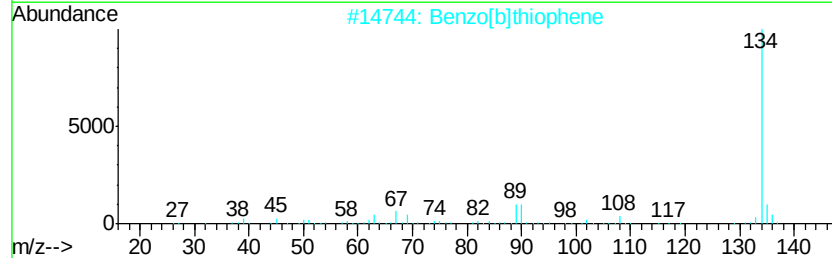
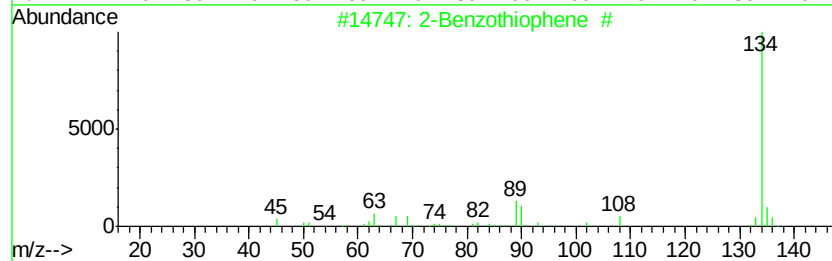
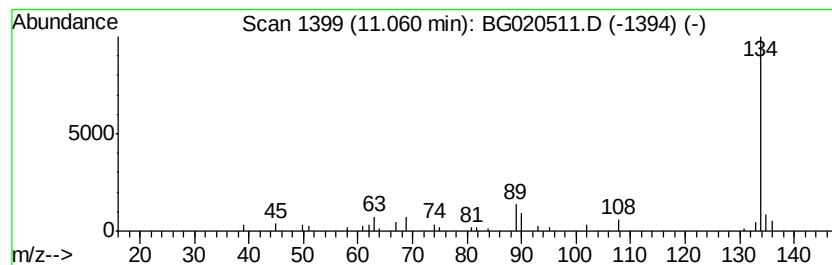
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 2-Benzothiophene # Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.06	4.92 ng/ul	40101	Napthalene-d8	10.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	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	91
4		Benzo[b]thiophene	134	C8H6S	000095-15-8	91
5		Benzo[b]thiophene	134	C8H6S	000095-15-8	90



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020511.D
Acq On : 25 Dec 2015 19:46
Operator : UM/SJ
Sample : G4847-01
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N66

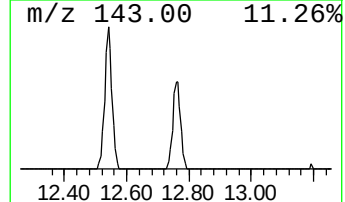
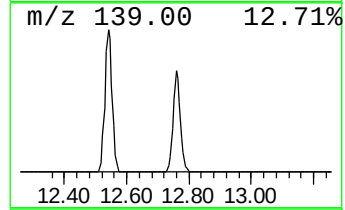
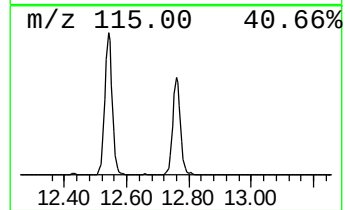
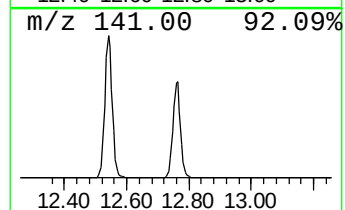
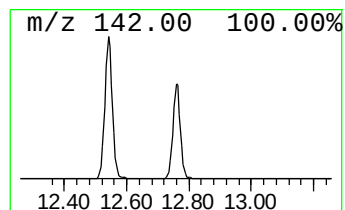
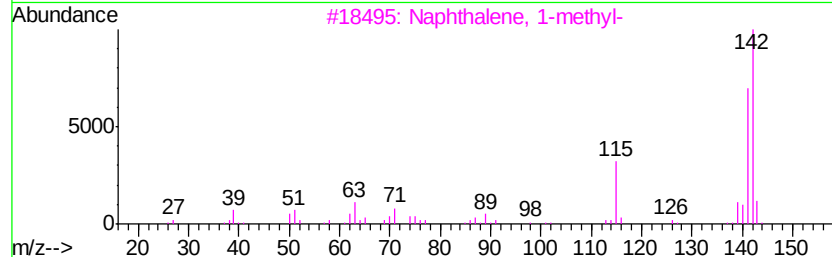
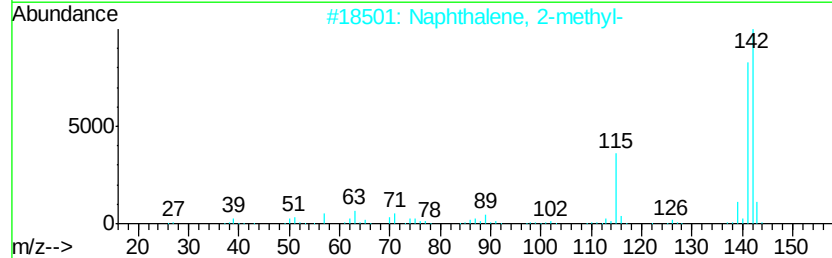
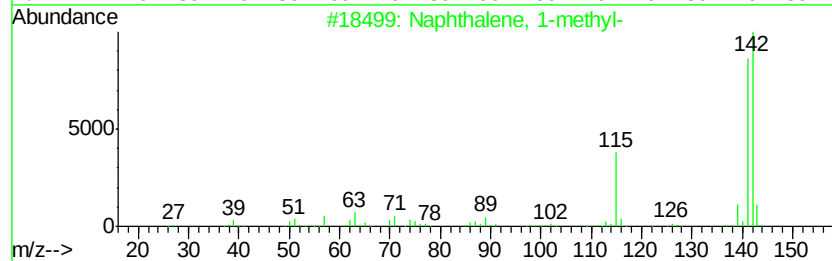
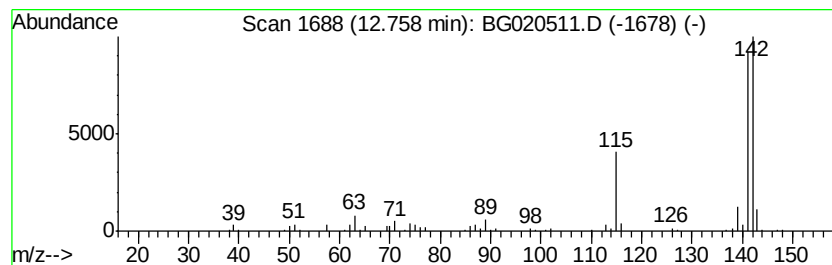
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Quant Title : SVOA CALIBRATION

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.
12.76	23.03 ng/ul	187855	Naphthalene-d8	10.90

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	91
4		Benzocycloheptatriene	142	C11H10	000264-09-5	91
5		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	90



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020511.D
Acq On : 25 Dec 2015 19:46
Operator : UM/SJ
Sample : G4847-01
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N66

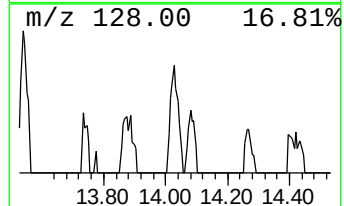
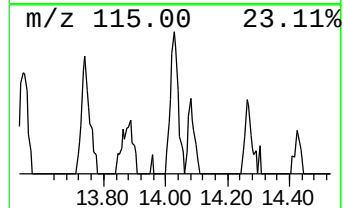
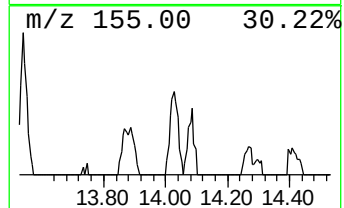
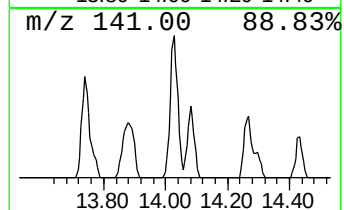
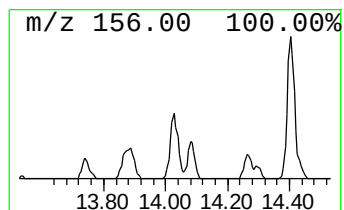
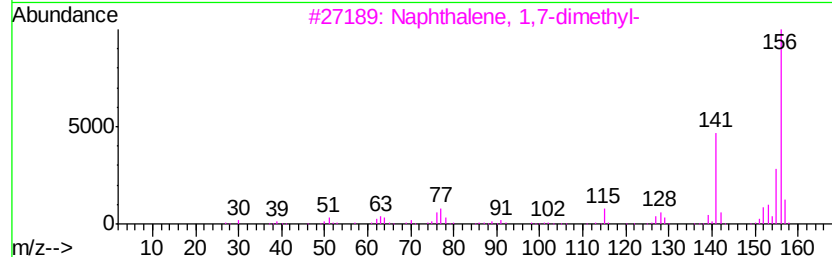
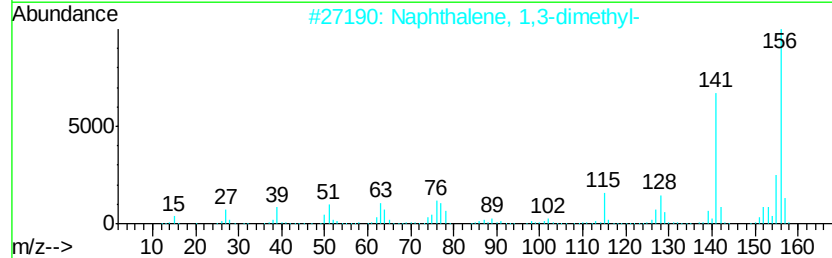
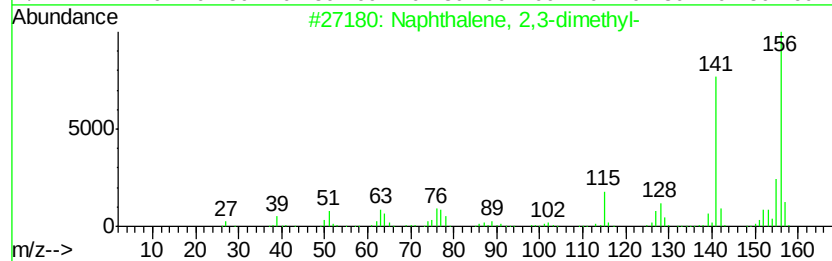
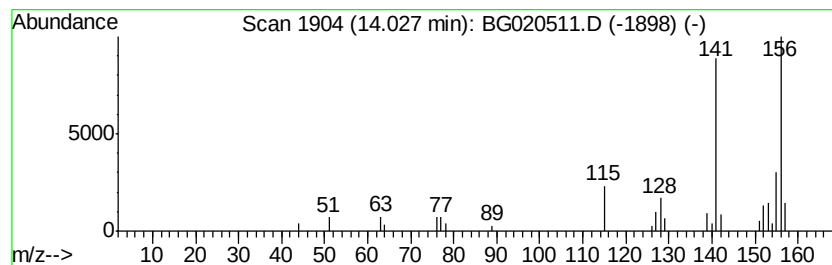
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Naphthalene, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.03	2.67 ng/ul	35727	Acenaphthene-d10	14.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
5		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020511.D
Acq On : 25 Dec 2015 19:46
Operator : UM/SJ
Sample : G4847-01
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N66

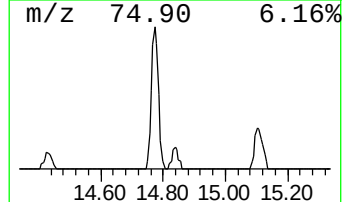
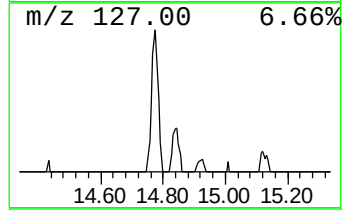
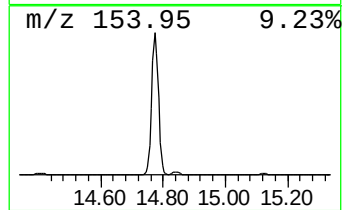
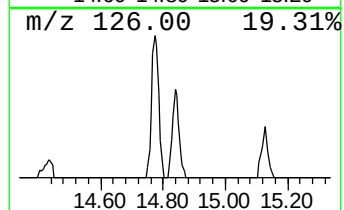
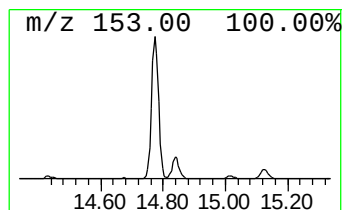
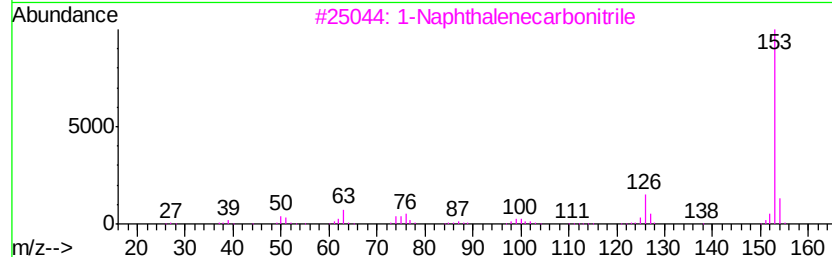
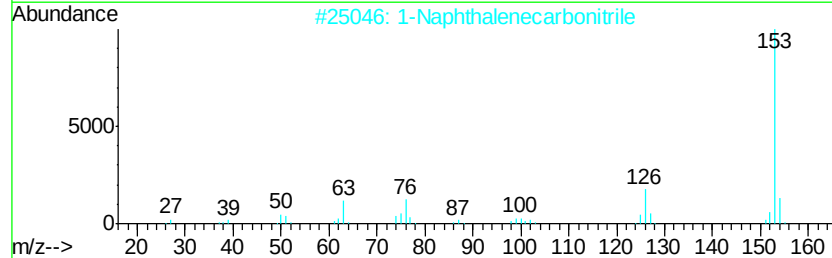
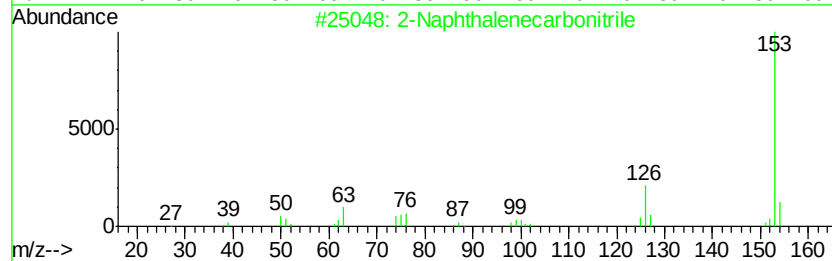
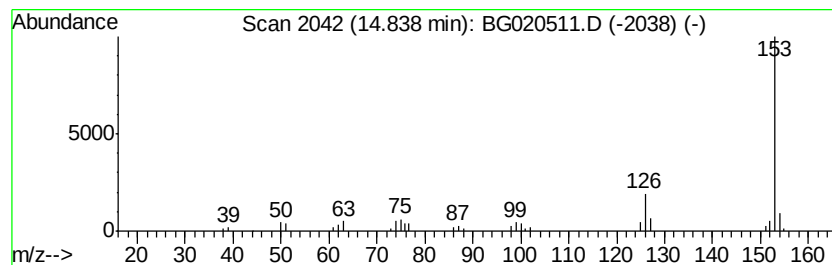
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 2-Naphthalenecarbonitrile Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	3.41 ng/ul	45559	Acenaphthene-d10	14.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	94
2		1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
3		1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	90
4		Naphthalene, 1-isocyano-	153	C11H7N	001984-04-9	90
5		2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	87



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122515\
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Acq On : 25 Dec 2015 19:46
Operator : UM/SJ
Sample : G4847-01
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N66

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-methoxy...	3.18	9.5	ng/ul	47887	1	8.08	100564	20.0
unknown-01	8.45	3.2	ng/ul	16275	1	8.08	100564	20.0
Indene	8.62	13.7	ng/ul	68807	1	8.08	100564	20.0
2-Benzothiophene #	11.06	4.9	ng/ul	40101	2	10.90	163110	20.0
Naphthalene, 1-me...	12.76	23.0	ng/ul	187855	2	10.90	163110	20.0
Naphthalene, 2,3-...	14.03	2.7	ng/ul	35727	3	14.71	267550	20.0
2-Naphthalenecarb...	14.84	3.4	ng/ul	45559	3	14.71	267550	20.0