

Data Path : Z:\HPCHEM1\BNA M\DATA\BM021516\
 Data File : BM004259.D
 Acq On : 15 Feb 2016 14:08
 Operator : SJ/UM
 Sample : H1416-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9QB9

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_M\METHODS\SOM02.2-EPA-BM021216.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	2.769	10	14	24	rVB	114444	221228	13.24%	0.695%
2	2.846	24	27	32	rVV	38776	41270	2.47%	0.130%
3	2.893	32	35	40	rVB	10819	11782	0.71%	0.037%
4	3.105	67	71	76	rVB	6850	7755	0.46%	0.024%
5	3.846	192	197	199	rBV	2087	2760	0.17%	0.009%
6	3.869	199	201	204	rVB	2547	2572	0.15%	0.008%
7	4.116	238	243	246	rBV	2508	3866	0.23%	0.012%
8	4.763	349	353	358	rBB	8449	11664	0.70%	0.037%
9	4.963	383	387	393	rBB	21696	30256	1.81%	0.095%
10	5.840	532	536	539	rBB	1649	2252	0.13%	0.007%
11	6.793	694	698	699	rBV	8668	11399	0.68%	0.036%
12	6.828	699	704	714	rVB	144262	221350	13.25%	0.695%
13	6.981	724	730	738	rBB	116858	173437	10.38%	0.545%
14	7.181	758	764	766	rBV	158191	251742	15.07%	0.790%
15	7.210	766	769	777	rVB	190035	283112	16.95%	0.889%
16	7.298	781	784	787	rBV2	993	1751	0.10%	0.005%
17	7.646	837	843	849	rBB	100216	154573	9.25%	0.485%
18	8.181	925	934	939	rBV2	135559	331949	19.87%	1.042%
19	8.228	939	942	946	rVB	14373	18688	1.12%	0.059%
20	8.363	959	965	975	rBB	202613	311038	18.62%	0.977%
21	8.469	976	983	992	rBB	245933	387364	23.19%	1.216%
22	8.710	1019	1024	1030	rBB	89085	140263	8.40%	0.440%
23	8.804	1034	1040	1043	rBV	142045	228557	13.68%	0.718%
24	8.851	1043	1048	1057	rVB	254807	414951	24.84%	1.303%
25	9.110	1085	1092	1099	rBB	374773	567386	33.97%	1.781%
26	9.528	1157	1163	1165	rBV	125482	220776	13.22%	0.693%
27	9.557	1165	1168	1173	rVV	191848	283004	16.94%	0.889%
28	9.616	1173	1178	1184	rVB2	12820	22113	1.32%	0.069%
29	10.063	1248	1254	1257	rBV	210795	390915	23.40%	1.227%
30	10.357	1299	1304	1310	rBV	9860	16646	1.00%	0.052%
31	10.434	1310	1317	1321	rVV	154623	251384	15.05%	0.789%
32	10.481	1321	1325	1333	rVB	148962	237318	14.21%	0.745%
33	10.586	1338	1343	1351	rBB	10149	17378	1.04%	0.055%
34	11.139	1432	1437	1442	rBB	13841	19459	1.16%	0.061%

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35	11.745	1533	1540	1553	rBB	337801	539002	32.27%	1.692%
36	11.975	1572	1579	1587	rBV	358534	625142	37.42%	1.963%
37	12.328	1629	1639	1647	rBB	527601	838211	50.18%	2.632%
38	12.486	1660	1666	1672	rBB	176908	270832	16.21%	0.850%
39	12.733	1702	1708	1714	rBV	262225	385998	23.11%	1.212%
40	12.786	1714	1717	1720	rVB	5023	6597	0.39%	0.021%
41	13.133	1769	1776	1783	rBB	557974	815120	48.80%	2.559%
42	13.198	1784	1787	1790	rBB	2093	2198	0.13%	0.007%
43	13.392	1814	1820	1829	rBB	203087	296426	17.75%	0.931%
44	13.492	1833	1837	1842	rBB	18073	23111	1.38%	0.073%
45	13.722	1870	1876	1882	rBV	407568	548440	32.83%	1.722%
46	13.798	1883	1889	1898	rVV	284036	418260	25.04%	1.313%
47	13.898	1900	1906	1911	rBB	289199	408031	24.43%	1.281%
48	13.998	1915	1923	1925	rBV	447076	655801	39.26%	2.059%
49	14.027	1925	1928	1936	rVB	684008	999582	59.84%	3.138%
50	14.310	1969	1976	1982	rBV2	240842	360893	21.60%	1.133%
51	14.369	1982	1986	1992	rVB	69336	95325	5.71%	0.299%
52	14.557	2009	2018	2033	rBV2	361795	707221	42.34%	2.220%
53	14.698	2035	2042	2051	rVB2	485939	920225	55.09%	2.889%
54	14.963	2080	2087	2092	rBB	61779	89887	5.38%	0.282%
55	15.139	2111	2117	2123	rBB	656886	864040	51.73%	2.713%
56	15.304	2139	2145	2150	rBV	588009	833811	49.92%	2.618%
57	15.363	2150	2155	2160	rVB	142180	193753	11.60%	0.608%
58	15.445	2164	2169	2176	rBB	177517	230854	13.82%	0.725%
59	15.574	2181	2191	2197	rBV	800572	1131458	67.73%	3.552%
60	15.816	2228	2232	2238	rBB	7870	10396	0.62%	0.033%
61	15.945	2250	2254	2257	rBB	2605	3171	0.19%	0.010%
62	16.174	2290	2293	2296	rBB	2668	3115	0.19%	0.010%
63	16.245	2299	2305	2309	rBB2	5961	8262	0.49%	0.026%
64	16.298	2310	2314	2316	rBV	7416	8274	0.50%	0.026%
65	16.333	2316	2320	2323	rVV	150437	195251	11.69%	0.613%
66	16.374	2323	2327	2332	rVB	486851	671597	40.21%	2.109%
67	16.721	2381	2386	2399	rBV	328893	464477	27.81%	1.458%
68	17.063	2438	2444	2447	rBV	312753	452032	27.06%	1.419%
69	17.104	2447	2451	2456	rVV	642334	872779	52.25%	2.740%
70	17.163	2456	2461	2468	rVV	639313	901282	53.96%	2.830%
71	17.215	2468	2470	2475	rVB	2553	3414	0.20%	0.011%

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72	17.533	2520	2524	2527	rBB	14366	16130	0.97%	0.051%
73	18.027	2603	2608	2614	rBV	725074	923020	55.26%	2.898%
74	19.098	2786	2790	2794	rBV	5528	6371	0.38%	0.020%
75	19.345	2828	2832	2842	rBV3	21726	32099	1.92%	0.101%
76	19.468	2847	2853	2856	rBV	756706	1092872	65.43%	3.431%
77	19.498	2856	2858	2865	rVB	407212	448278	26.84%	1.407%
78	19.704	2889	2893	2902	rBV	123219	148384	8.88%	0.466%
79	19.862	2917	2920	2923	rBV	6126	5550	0.33%	0.017%
80	20.509	3026	3030	3034	rBV	30884	33268	1.99%	0.104%
81	20.621	3046	3049	3052	rBV	2303	2374	0.14%	0.007%
82	20.674	3055	3058	3062	rBV3	3252	4279	0.26%	0.013%
83	21.192	3142	3146	3151	rBV2	6687	10614	0.64%	0.033%
84	21.262	3151	3158	3167	rBV2	980830	1670419	100.00%	5.244%
85	21.533	3201	3204	3210	rBV	56245	69142	4.14%	0.217%
86	21.692	3226	3231	3236	rBV	979229	1163047	69.63%	3.652%
87	21.733	3236	3238	3241	rVB4	2759	2976	0.18%	0.009%
88	21.815	3247	3252	3259	rBV	118899	152637	9.14%	0.479%
89	22.056	3288	3293	3299	rBV	542687	706623	42.30%	2.219%
90	22.303	3332	3335	3340	rBV3	3910	5114	0.31%	0.016%
91	22.768	3411	3414	3417	rBV3	5724	7303	0.44%	0.023%
92	22.839	3418	3426	3435	rVB	506320	839513	50.26%	2.636%
93	23.362	3508	3515	3519	rBV	443099	821373	49.17%	2.579%
94	23.409	3519	3523	3531	rVV	277415	472702	28.30%	1.484%
95	23.503	3532	3539	3551	rVB	215298	388314	23.25%	1.219%
96	24.003	3619	3624	3630	rVB3	8528	14493	0.87%	0.046%
97	25.762	3911	3923	3938	rBV	405546	1103663	66.07%	3.465%
98	26.438	4027	4038	4054	rVB	185145	564348	33.78%	1.772%

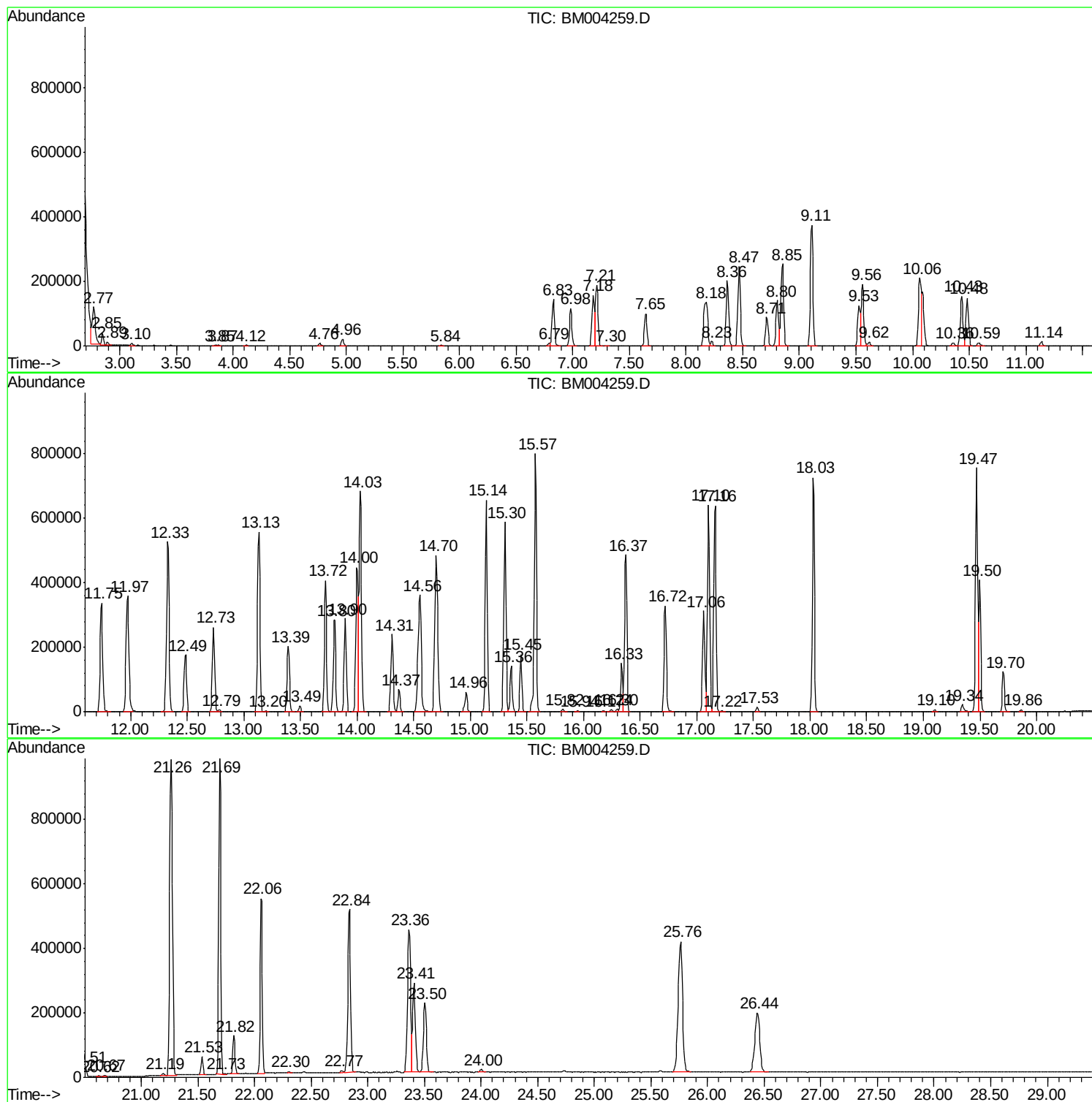
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM021216.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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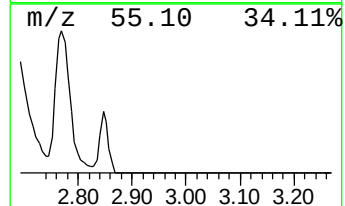
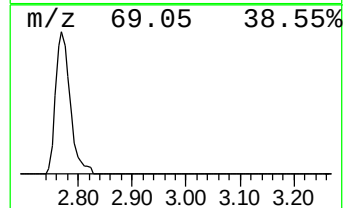
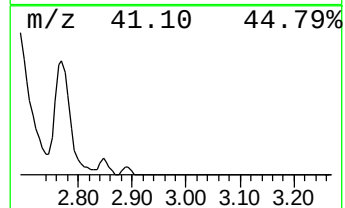
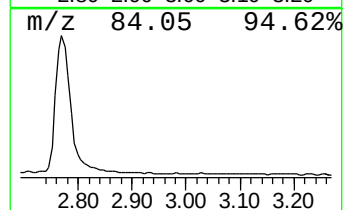
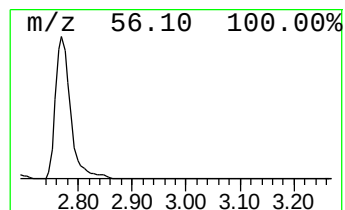
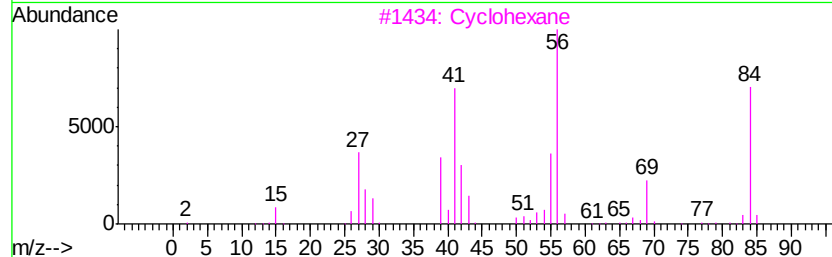
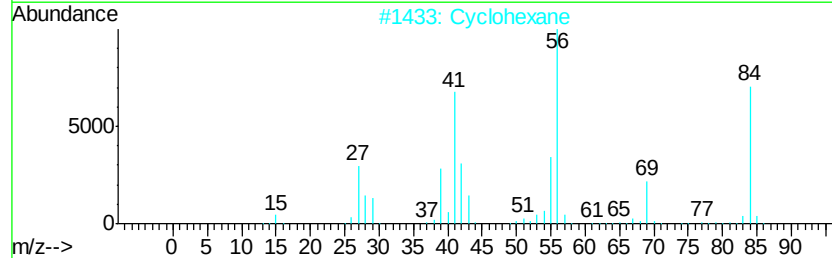
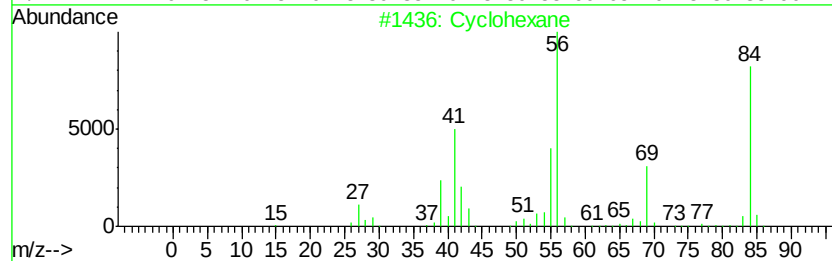
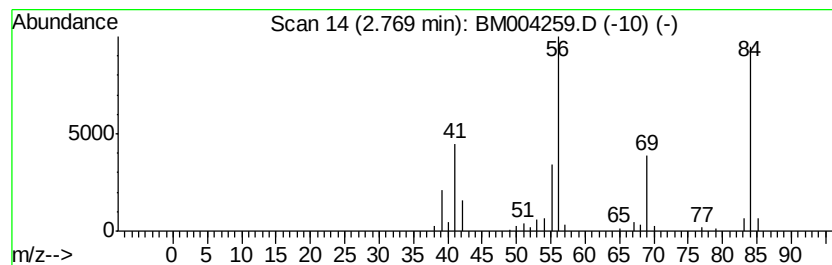
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM021216.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 (DEL) Alkane: Cyclic2.77 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.77	28.62 ng/ul	221228	1,4-Dichlorobenzene-d4	7.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane	84	C6H12	000110-82-7	91
2		Cyclohexane	84	C6H12	000110-82-7	91
3		Cyclohexane	84	C6H12	000110-82-7	86
4		Cyclohexane	84	C6H12	000110-82-7	78
5		1-Hexene, 3,4-dimethyl-	112	C8H16	016745-94-1	64



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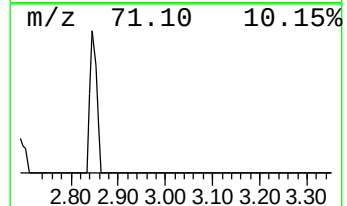
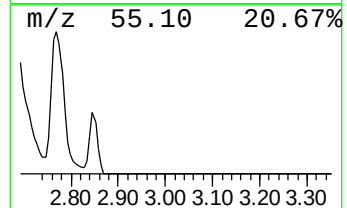
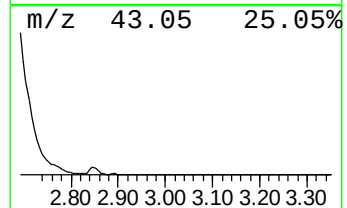
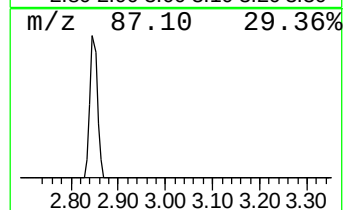
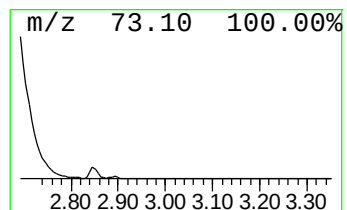
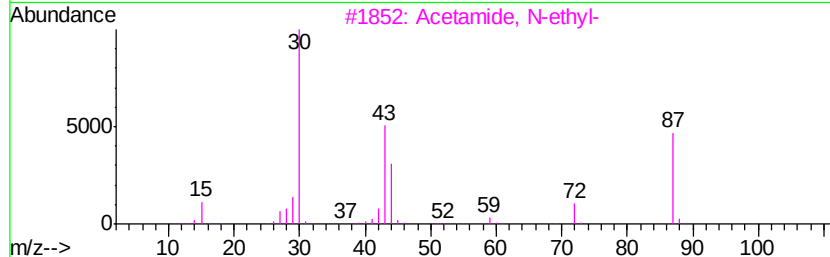
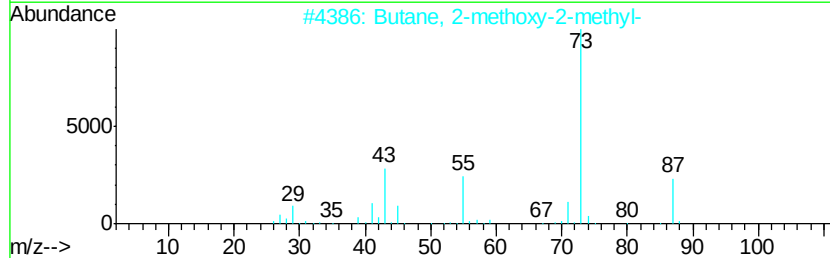
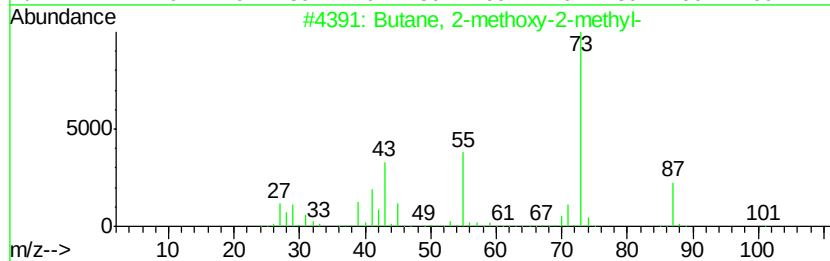
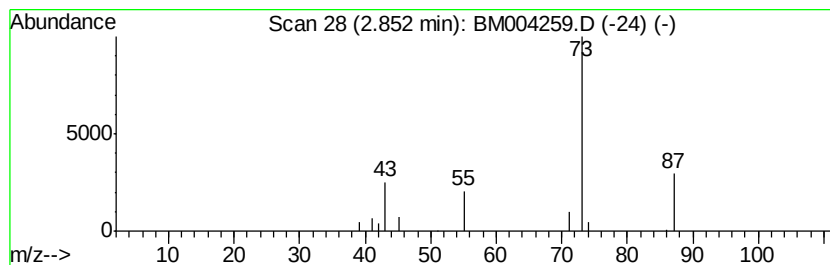
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM021216.M
Quant Title : SVOA CALIBRATION

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

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.85	5.34 ng/ul	41270	1,4-Dichlorobenzene-d4	7.65

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			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	12
4			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
5			N-Ethylformamide	73	C3H7NO	000627-45-2	9



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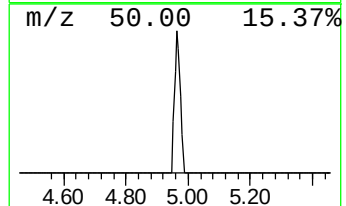
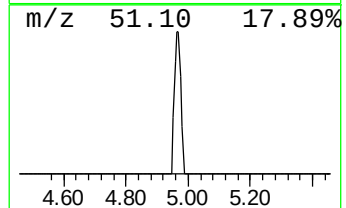
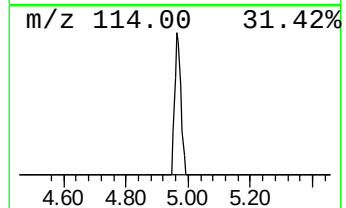
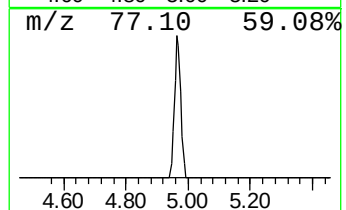
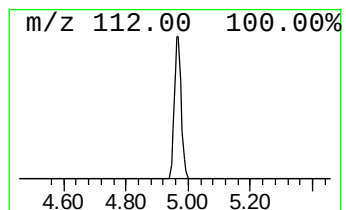
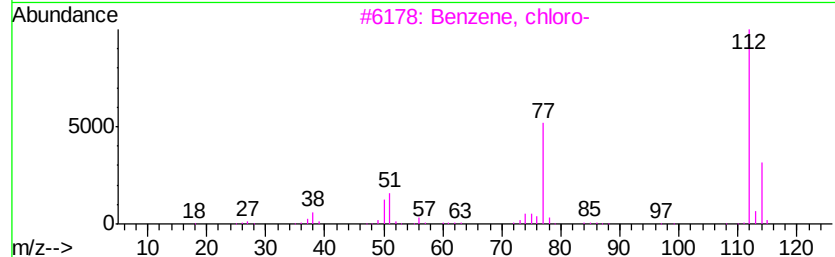
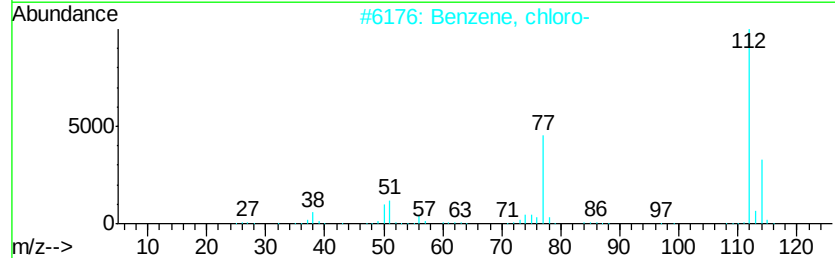
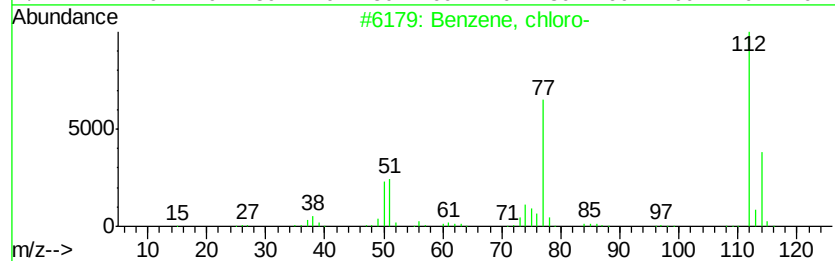
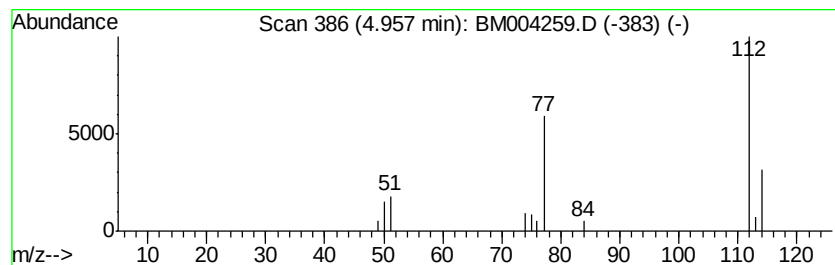
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Benzene, chloro- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.96	3.91 ng/ul	30256	1,4-Dichlorobenzene-d4	7.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, chloro-	112	C6H5Cl	000108-90-7	94
2		Benzene, chloro-	112	C6H5Cl	000108-90-7	91
3		Benzene, chloro-	112	C6H5Cl	000108-90-7	91
4		Benzene, chloro-	112	C6H5Cl	000108-90-7	91
5		Propane, 1,2-dichloro-2-methyl-	126	C4H8Cl2	000594-37-6	9



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ClientSampleId :
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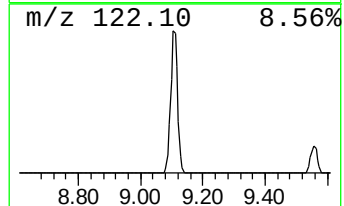
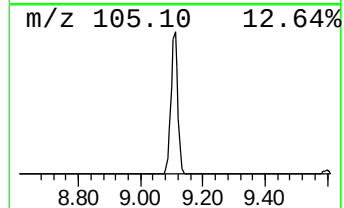
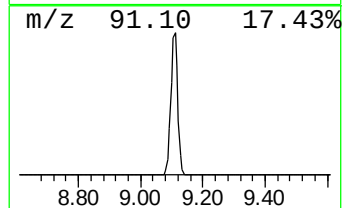
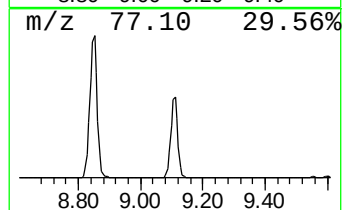
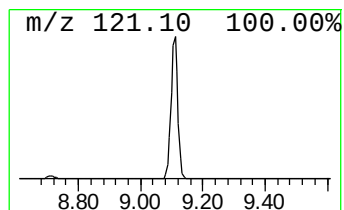
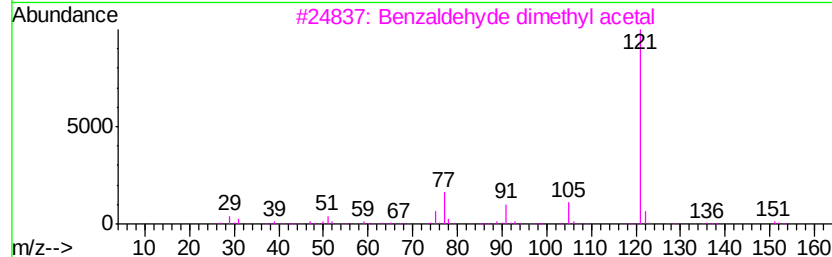
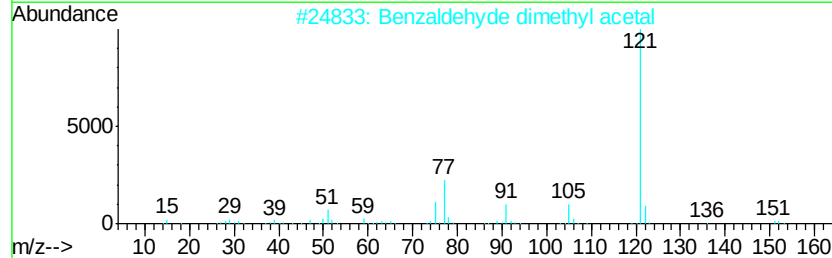
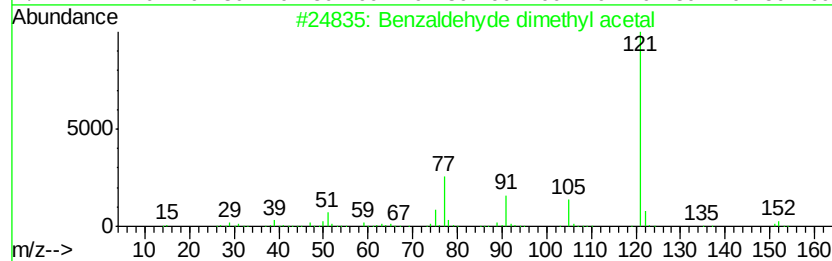
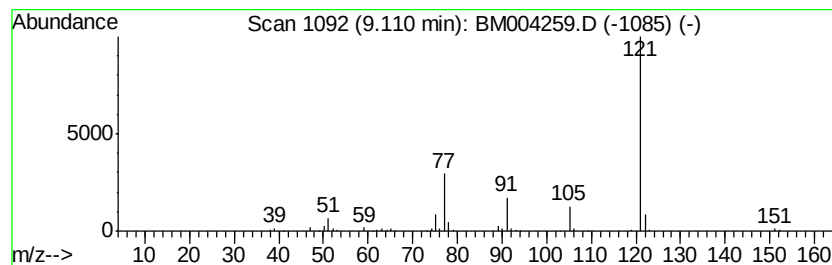
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 Benzaldehyde dimethyl acetal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.11	45.14 ng/ul	567386	Naphthalene-d8	10.43

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzaldehyde dimethyl acetal	152	C9H12O2	001125-88-8	90
2		Benzaldehyde dimethyl acetal	152	C9H12O2	001125-88-8	87
3		Benzaldehyde dimethyl acetal	152	C9H12O2	001125-88-8	87
4		Benzeneacetic acid, .alpha.-meth...	180	C10H12O3	056143-21-6	83
5		Benzeneacetic acid, .alpha.-meth...	180	C10H12O3	056143-21-6	78



Data Path : Z:\HPCHEM1\BNA M\DATA\BM021516\
Data File : BM004259.D
Acq On : 15 Feb 2016 14:08
Operator : SJ/UM
Sample : H1416-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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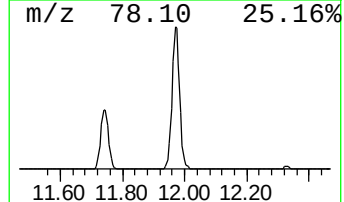
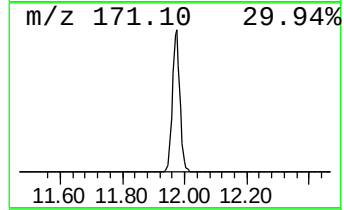
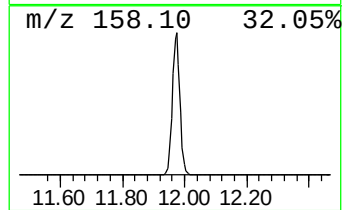
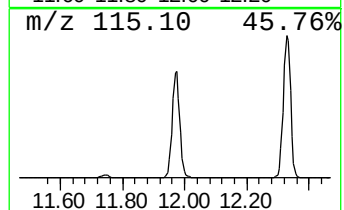
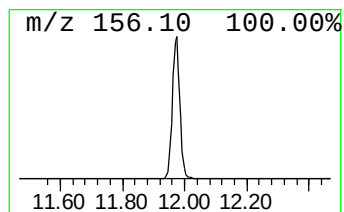
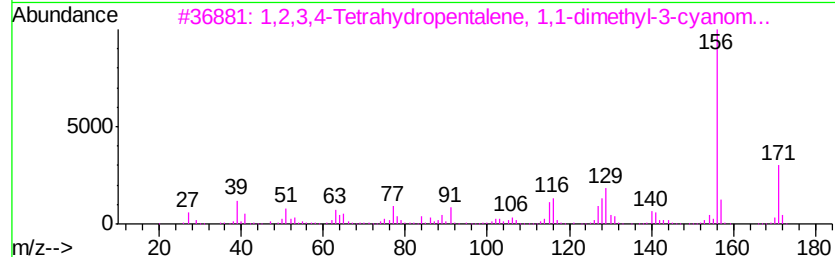
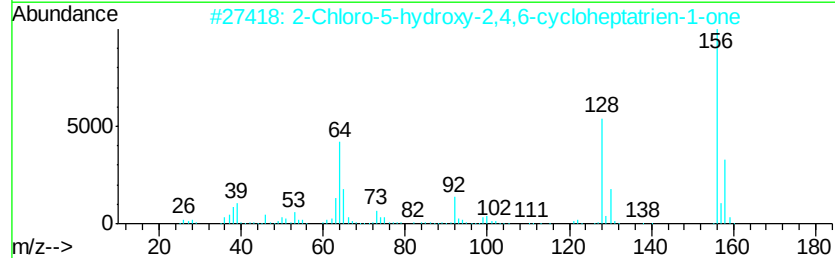
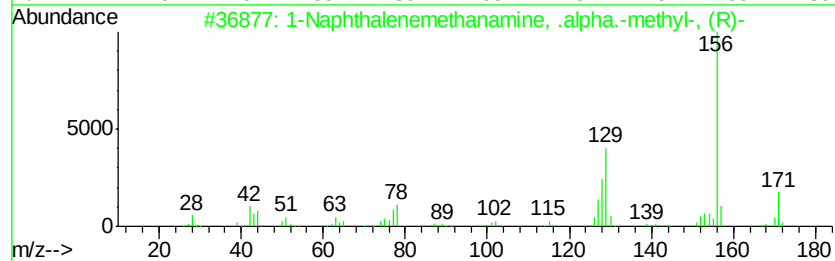
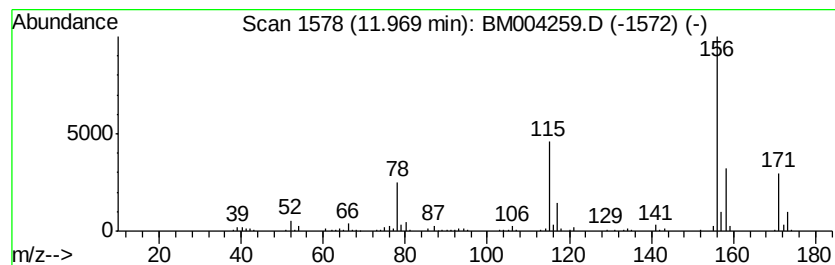
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 unknown-01 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	49.74 ng/ul	625142	Naphthalene-d8	10.43

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenemethanamine, .alpha...	171	C12H13N	003886-70-2	47	
2	2-Chloro-5-hydroxy-2,4,6-cyclohe...	156	C7H5ClO2	007009-16-7	43	
3	1,2,3,4-Tetrahydropentalene, 1,1...	171	C12H13N	1000217-18-6	37	
4	6-Isopropylquinoline	171	C12H13N	000135-79-5	32	
5	Bicyclo[3.2.0]hept-2-ene, 4-isop...	171	C12H13N	1000217-15-6	32	



Data Path : Z:\HPCHEM1\BNA M\DATA\BM021516\
Data File : BM004259.D
Acq On : 15 Feb 2016 14:08
Operator : SJ/UM
Sample : H1416-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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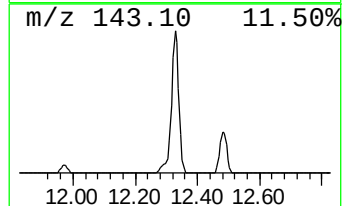
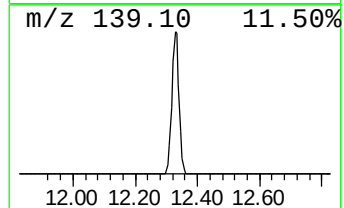
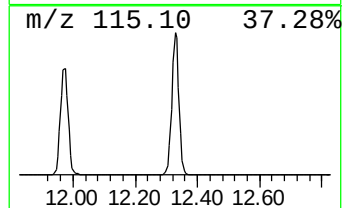
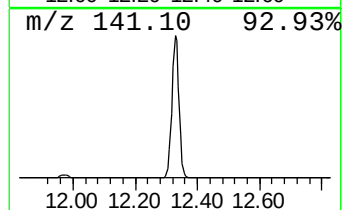
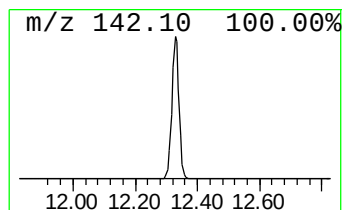
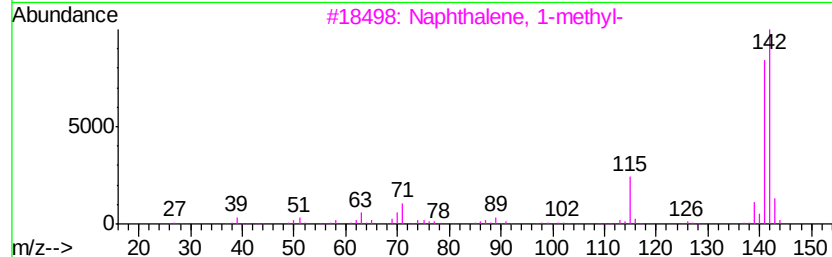
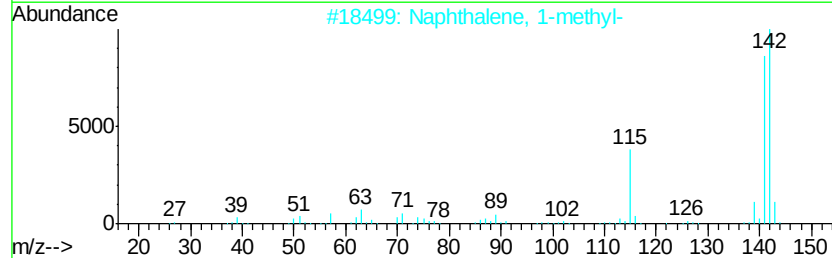
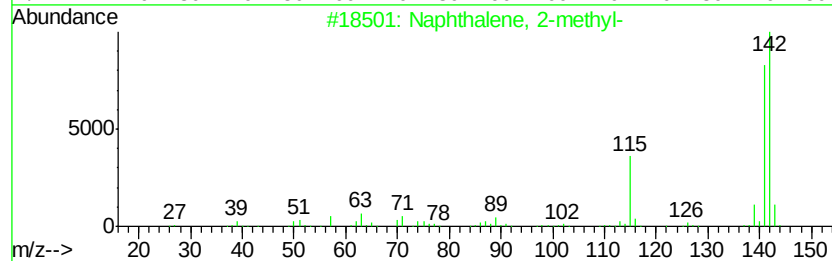
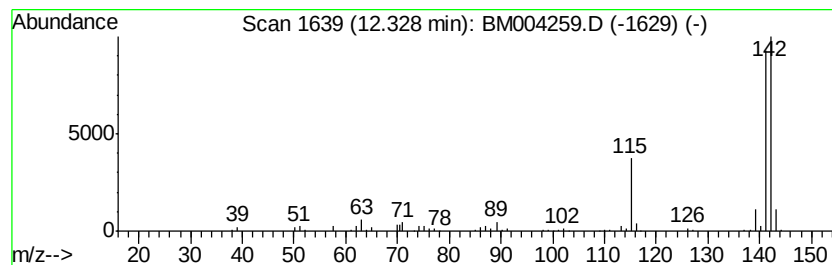
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	66.69 ng/ul	838211	Naphthalene-d8	10.43

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



Data Path : Z:\HPCHEM1\BNA M\DATA\BM021516\
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Acq On : 15 Feb 2016 14:08
Operator : SJ/UM
Sample : H1416-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

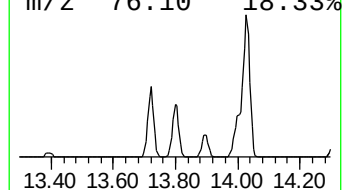
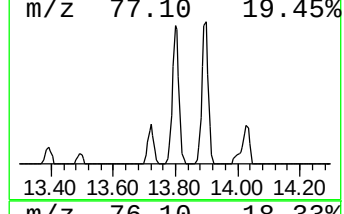
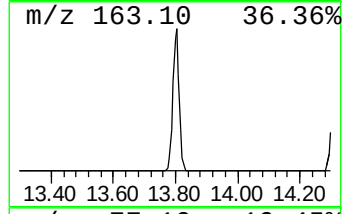
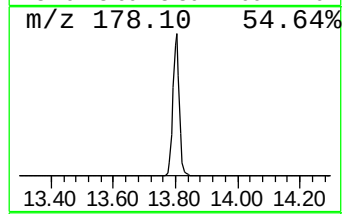
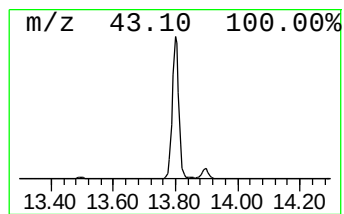
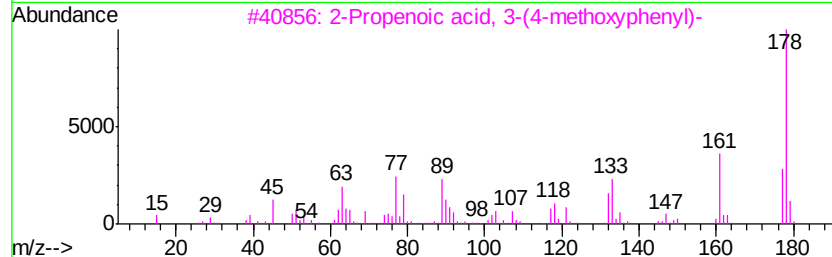
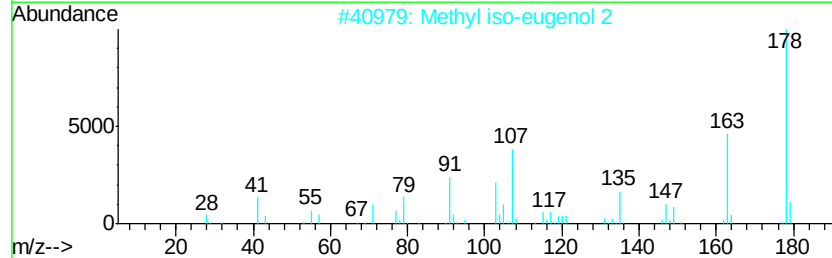
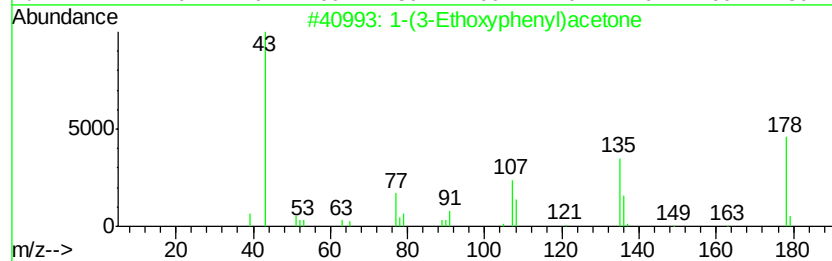
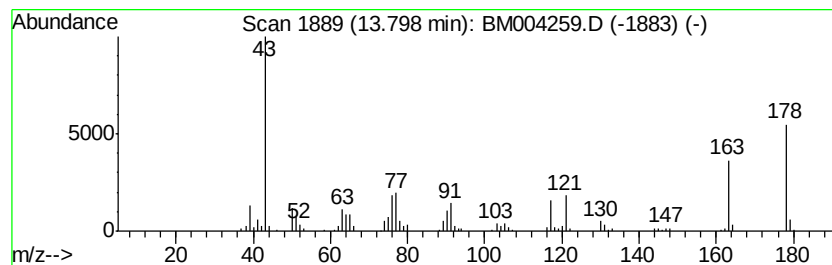
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM021216.M
Quant Title : SVOA CALIBRATION

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

Peak Number 7 unknown-02 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	23.18 ng/ul	418260	Acenaphthene-d10	14.31
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1-(3-Ethoxyphenyl)acetone	178 C11H14O2	023037-47-0 43
2		Methyl iso-eugenol 2	178 C11H14O2	1000285-38-8 43
3		2-Propenoic acid, 3-(4-methoxyph...	178 C10H10O3	000830-09-1 38
4		Benzene, 1,2-dimethoxy-4-(1-prop...	178 C11H14O2	000093-16-3 37
5		Aminoformic acid, N-n-decyl-, 2,...	389 C25H43NO2	1000126-84-1 32



Data Path : Z:\HPCHEM1\BNA M\DATA\BM021516\
Data File : BM004259.D
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Sample : H1416-02
Misc :
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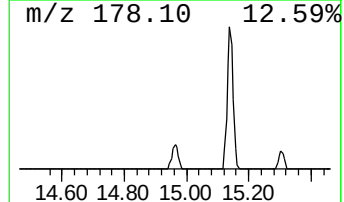
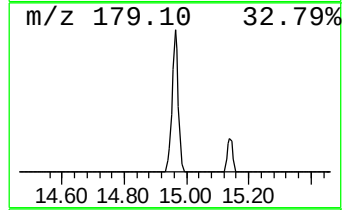
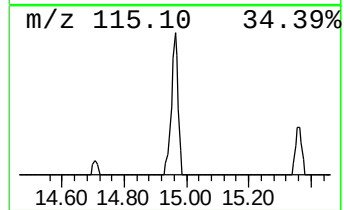
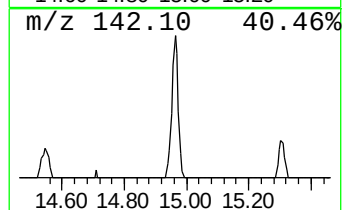
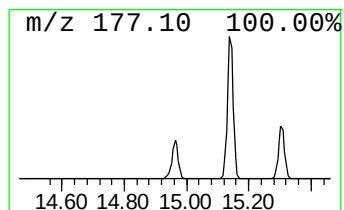
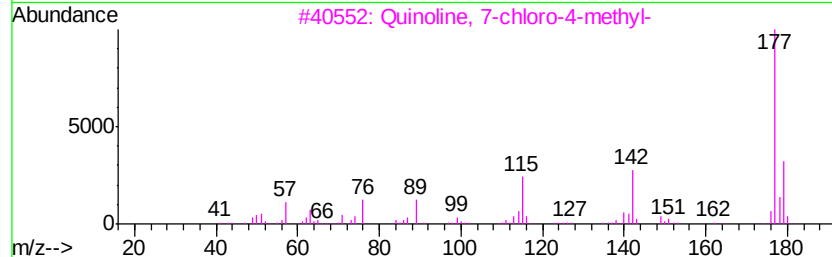
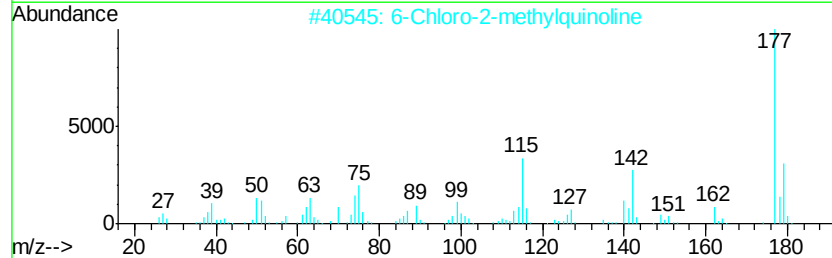
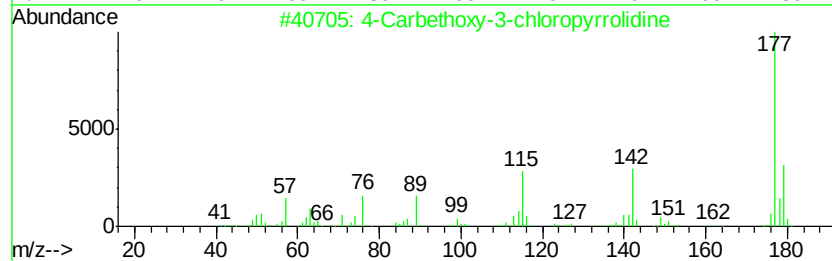
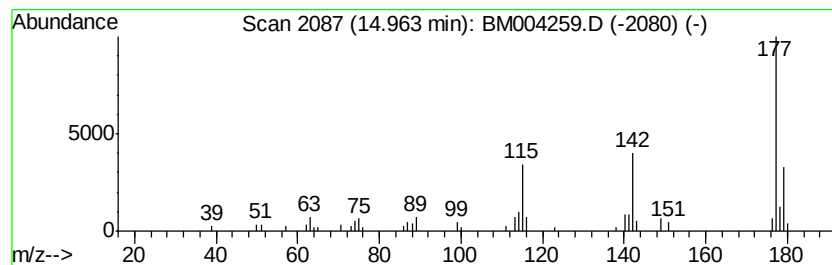
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 4-Carboxy-3-chloropyrrol... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.
14.96	4.98 ng/ul	89887	Acenaphthene-d10		14.31
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Carbethoxy-3-chloropyrrolidine	177	C7H12ClNO2	1000255-97-9	96
2	6-Chloro-2-methylquinoline	177	C10H8ClN	000092-46-6	91
3	Quinoline, 7-chloro-4-methyl-	177	C10H8ClN	040941-53-5	87
4	Quinoline, 2-chloro-4-methyl-	177	C10H8ClN	000634-47-9	87
5	Quinoline, 2-chloro-4-methyl-	177	C10H8ClN	000634-47-9	87



Data Path : Z:\HPCHEM1\BNA M\DATA\BM021516\
Data File : BM004259.D
Acq On : 15 Feb 2016 14:08
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Misc :
ALS Vial : 4 Sample Multiplier: 1

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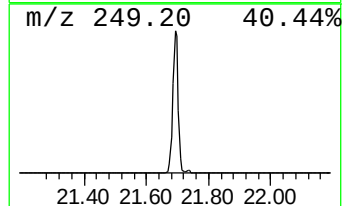
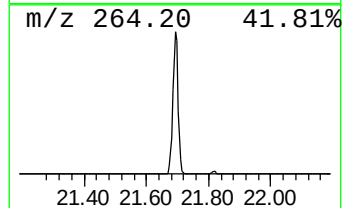
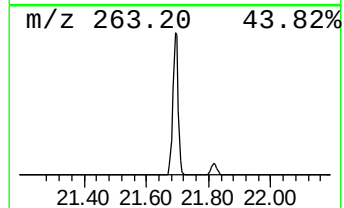
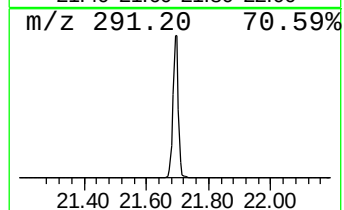
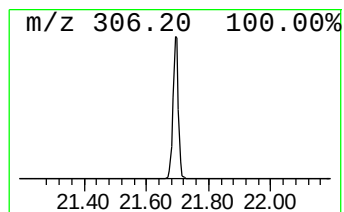
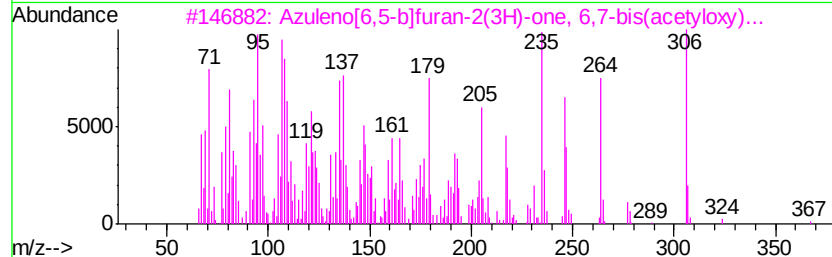
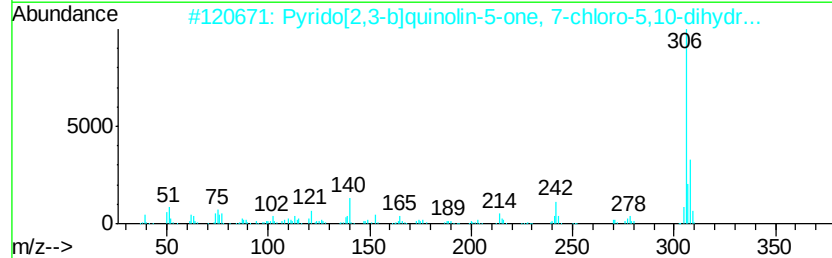
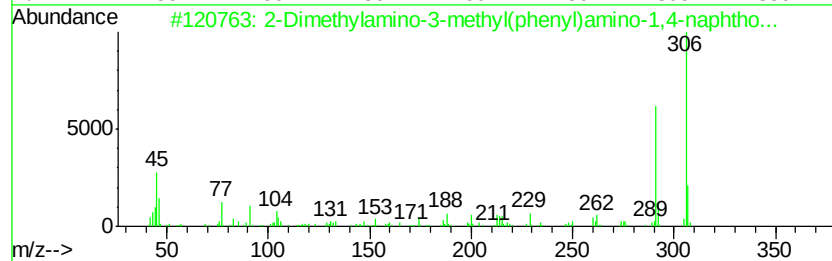
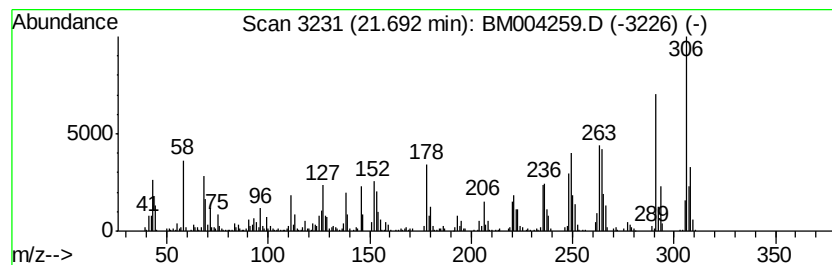
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 unknown-03 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.69	13.93 ng/ul	1163050	Chrysene-d12	21.27

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Dimethylamino-3-methyl(phenyl)...	306	C19H18N2O2	134614-10-1	42
2		Pyrido[2,3-b]quinolin-5-one, 7-c...	306	C18H11ClN2O	069750-07-8	38
3		Azulen[6,5-b]furan-2(3H)-one, 6...	366	C19H26O7	051292-55-8	27
4		1,1':2',1'':3'',1'''-Quaterphenyl	306	C24H18	001165-57-7	22
5		1,1':2',1'':4'',1'''-Quaterphenyl	306	C24H18	001165-58-8	22



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM021516\
Data File : BM004259.D
Acq On : 15 Feb 2016 14:08
Operator : SJ/UM
Sample : H1416-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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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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Butane, 2-methoxy...	2.85	5.3	ng/ul	41270	1	7.65	154573	20.0
Benzene, chloro-	4.96	3.9	ng/ul	30256	1	7.65	154573	20.0
Benzaldehyde dime...	9.11	45.1	ng/ul	567386	2	10.43	251384	20.0
unknown-01	11.97	49.7	ng/ul	625142	2	10.43	251384	20.0
Naphthalene, 1-me...	12.33	66.7	ng/ul	838211	2	10.43	251384	20.0
unknown-02	13.80	23.2	ng/ul	418260	3	14.31	360893	20.0
4-Carbethoxy-3-ch...	14.96	5.0	ng/ul	89887	3	14.31	360893	20.0
unknown-03	21.69	13.9	ng/ul	1163050	5	21.27	1670420	20.0