

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111115\
 Data File : BM003120.D
 Acq On : 12 Nov 2015 16:39
 Operator : UM/IZ
 Sample : G4320-02
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4J44

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-BM103015.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	3.216	19	22	27	rVB2	7010	8606	0.33%	0.027%
2	3.851	126	130	136	rVV2	6423	9560	0.37%	0.030%
3	4.051	160	164	169	rVB2	8003	9995	0.39%	0.031%
4	4.398	220	223	228	rVB	2294	3642	0.14%	0.011%
5	4.863	298	302	307	rVB2	3328	5779	0.22%	0.018%
6	5.175	352	355	360	rBV3	4223	5728	0.22%	0.018%
7	5.251	365	368	372	rVB2	3937	4921	0.19%	0.015%
8	5.298	372	376	380	rBV	2751	4195	0.16%	0.013%
9	5.834	462	467	475	rVB	84798	121830	4.73%	0.381%
10	5.928	479	483	485	rBV	11046	15586	0.61%	0.049%
11	5.963	485	489	495	rVB3	9085	18953	0.74%	0.059%
12	6.145	516	520	525	rBV2	6618	9117	0.35%	0.028%
13	6.398	557	563	568	rBB	38559	52038	2.02%	0.163%
14	6.751	613	623	630	rBV	38821	79041	3.07%	0.247%
15	6.851	637	640	644	rVV	4389	5146	0.20%	0.016%
16	6.910	644	650	660	rVV2	122457	269051	10.45%	0.841%
17	7.087	673	680	690	rBV	392511	608705	23.65%	1.902%
18	7.181	692	696	699	rVB	7274	9087	0.35%	0.028%
19	7.281	707	713	721	rBV	439111	675817	26.26%	2.112%
20	7.345	721	724	731	rVB2	4171	6481	0.25%	0.020%
21	7.751	787	793	799	rBV	434508	673416	26.17%	2.105%
22	7.810	799	803	809	rVB	50194	76461	2.97%	0.239%
23	7.904	814	819	824	rBV	15878	24971	0.97%	0.078%
24	7.986	827	833	838	rVV	37977	57365	2.23%	0.179%
25	8.022	838	839	843	rVV2	5901	6438	0.25%	0.020%
26	8.304	878	887	892	rBV2	11338	23367	0.91%	0.073%
27	8.363	892	897	906	rVB2	21746	35818	1.39%	0.112%
28	8.451	906	912	920	rBV	367341	577074	22.42%	1.804%
29	8.569	920	932	938	rVB4	36357	82501	3.21%	0.258%
30	8.845	972	979	984	rBV	691788	1064327	41.36%	3.326%
31	8.910	984	990	1001	rVV	478881	795339	30.90%	2.486%
32	9.016	1001	1008	1012	rVV3	14671	24986	0.97%	0.078%
33	9.069	1012	1017	1025	rVB	73586	109163	4.24%	0.341%
34	9.628	1105	1112	1117	rBV	396130	655390	25.47%	2.048%

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35	9.669	1117	1119	1124	rVV	43960	53519	2.08%	0.167%
36	9.733	1124	1130	1133	rVV	44658	79478	3.09%	0.248%
37	9.769	1133	1136	1145	rVV	36420	72756	2.83%	0.227%
38	9.851	1145	1150	1158	rVB	24156	38075	1.48%	0.119%
39	9.963	1163	1169	1176	rVV3	5042	10257	0.40%	0.032%
40	10.045	1176	1183	1189	rVB4	12165	21300	0.83%	0.067%
41	10.163	1196	1203	1212	rBB	623076	1029590	40.01%	3.218%
42	10.322	1225	1230	1235	rBB2	21063	32070	1.25%	0.100%
43	10.410	1241	1245	1248	rBV3	5889	9139	0.36%	0.029%
44	10.451	1248	1252	1258	rVB2	31839	50115	1.95%	0.157%
45	10.545	1260	1268	1274	rVV	647541	1078184	41.89%	3.370%
46	10.598	1274	1277	1281	rVB	8346	11157	0.43%	0.035%
47	10.675	1285	1290	1295	rBB3	4123	6455	0.25%	0.020%
48	10.845	1313	1319	1323	rBB3	6315	8420	0.33%	0.026%
49	10.898	1323	1328	1332	rBV	9186	17573	0.68%	0.055%
50	11.074	1353	1358	1363	rBB2	8404	11912	0.46%	0.037%
51	11.133	1364	1368	1373	rBB2	6218	9610	0.37%	0.030%
52	11.186	1373	1377	1383	rBB	8087	12907	0.50%	0.040%
53	11.280	1388	1393	1396	rBV2	11917	15487	0.60%	0.048%
54	11.327	1396	1401	1408	rVB3	17870	30426	1.18%	0.095%
55	11.433	1415	1419	1425	rBB2	4612	6710	0.26%	0.021%
56	11.716	1462	1467	1473	rVB	16731	23734	0.92%	0.074%
57	12.033	1517	1521	1527	rBB4	3591	6539	0.25%	0.020%
58	12.133	1533	1538	1542	rBV	9187	13658	0.53%	0.043%
59	12.292	1561	1565	1570	rBB2	3906	5689	0.22%	0.018%
60	12.380	1574	1580	1584	rBB	5324	7719	0.30%	0.024%
61	12.580	1608	1614	1619	rBB2	5699	8048	0.31%	0.025%
62	12.651	1621	1626	1632	rBV	39954	57720	2.24%	0.180%
63	12.751	1637	1643	1651	rVV	131070	199403	7.75%	0.623%
64	12.839	1654	1658	1665	rVB	9991	15259	0.59%	0.048%
65	12.998	1679	1685	1692	rVB	209214	299346	11.63%	0.936%
66	13.145	1706	1710	1714	rBV2	3554	4273	0.17%	0.013%
67	13.310	1731	1738	1744	rBV	385104	538274	20.92%	1.682%
68	13.363	1744	1747	1752	rVB2	7465	10733	0.42%	0.034%
69	13.804	1816	1822	1833	rBV	1159218	1636375	63.58%	5.114%
70	13.927	1839	1843	1848	rBV3	26208	30157	1.17%	0.094%
71	14.092	1862	1871	1881	rBV	1296100	1972096	76.63%	6.164%

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72	14.251	1893	1898	1904	rBV	24276	32280	1.25%	0.101%
73	14.398	1915	1923	1933	rBB2	977092	1474344	57.29%	4.608%
74	14.480	1933	1937	1944	rBB	9064	11704	0.45%	0.037%
75	14.580	1949	1954	1962	rBV	103646	144433	5.61%	0.451%
76	14.651	1962	1966	1971	rVB	7799	10323	0.40%	0.032%
77	14.992	2019	2024	2031	rBV	18414	22468	0.87%	0.070%
78	15.074	2033	2038	2042	rVV3	5764	8929	0.35%	0.028%
79	15.115	2042	2045	2053	rVB2	9680	17669	0.69%	0.055%
80	15.215	2055	2062	2068	rVB	101664	142557	5.54%	0.446%
81	15.392	2085	2092	2100	rVB	1694732	2439110	94.78%	7.623%
82	15.504	2104	2111	2119	rVV	433302	583485	22.67%	1.824%
83	15.627	2128	2132	2137	rVB	14983	19149	0.74%	0.060%
84	15.757	2150	2154	2159	rVB	11724	14648	0.57%	0.046%
85	16.398	2259	2263	2269	rBV	3717	5058	0.20%	0.016%
86	16.927	2349	2353	2360	rBV	4014	5890	0.23%	0.018%
87	17.139	2383	2389	2397	rVB2	1097346	1587584	61.69%	4.962%
88	17.239	2400	2406	2415	rVV2	1700627	2428271	94.35%	7.589%
89	17.427	2433	2438	2442	rBV	7614	9171	0.36%	0.029%
90	17.815	2499	2504	2509	rVB	842306	994198	38.63%	3.107%
91	18.033	2536	2541	2543	rBV2	4728	5321	0.21%	0.017%
92	18.109	2548	2554	2558	rBV	5785	7502	0.29%	0.023%
93	19.174	2730	2735	2740	rBV	14260	18371	0.71%	0.057%
94	19.321	2754	2760	2763	rBV4	3860	5428	0.21%	0.017%
95	19.427	2771	2778	2784	rBV	11820	18402	0.72%	0.058%
96	19.539	2791	2797	2806	rBV2	1908174	2573555	100.00%	8.043%
97	21.339	3097	3103	3110	rBV	1287675	1667705	64.80%	5.212%
98	22.391	3278	3282	3287	rBV2	67966	92011	3.58%	0.288%
99	23.456	3456	3463	3475	rBV	1307257	2460270	95.60%	7.689%
100	23.603	3480	3488	3500	rVB	856767	1632004	63.41%	5.101%

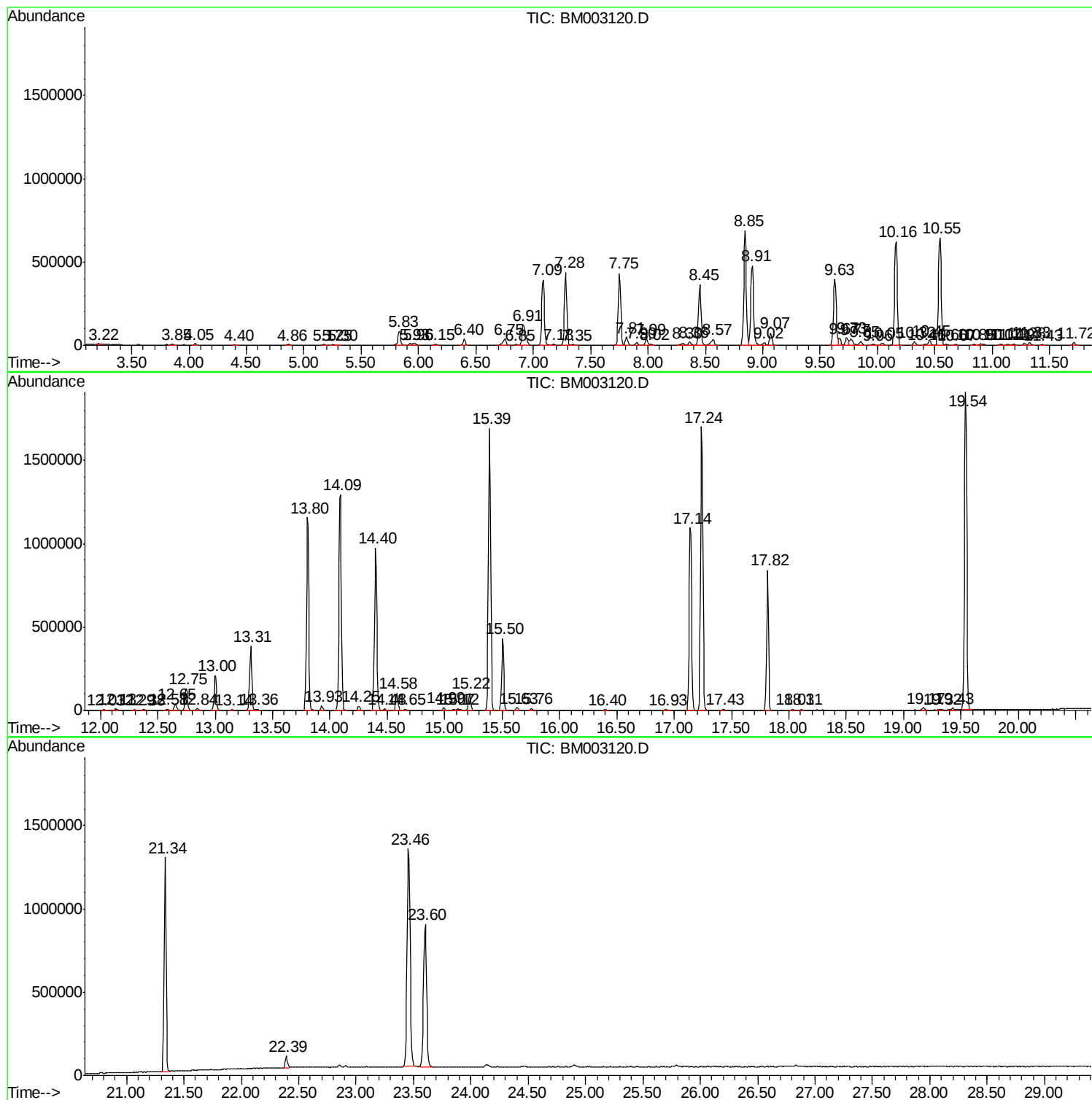
Sum of corrected areas: 31995897

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



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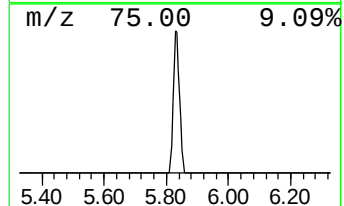
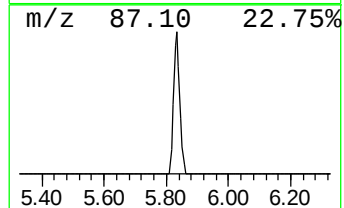
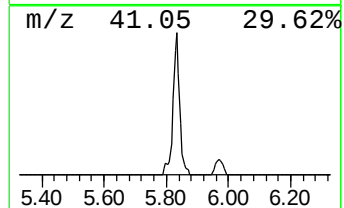
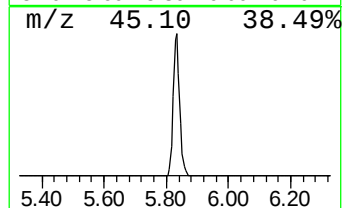
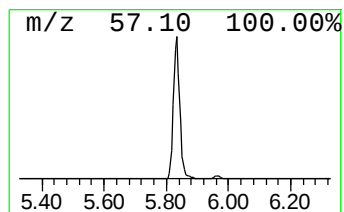
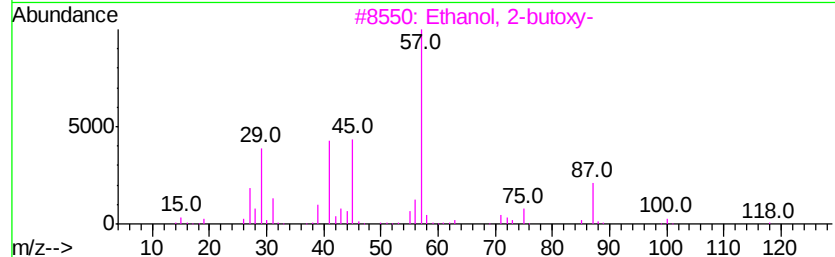
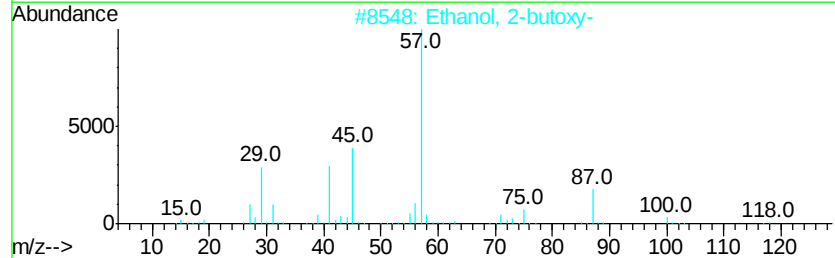
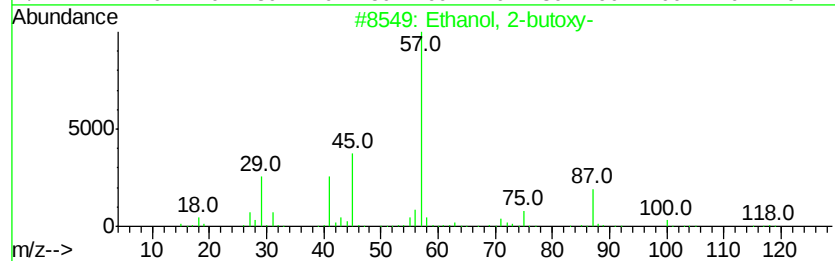
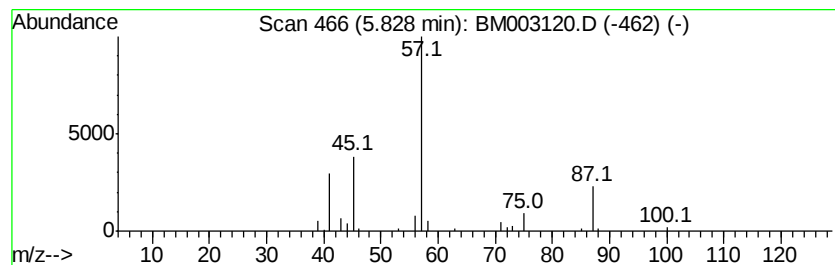
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM103015.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Ethanol, 2-butoxy- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.83	3.62 ng/ul	121830	1,4-Dichlorobenzene-d4	7.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	72
2		Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	64
3		Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	59
4		Propanoic acid, 2-methylpropyl e...	130	C7H14O2	000540-42-1	25
5		3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	25



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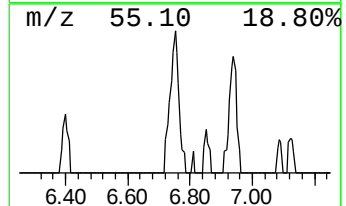
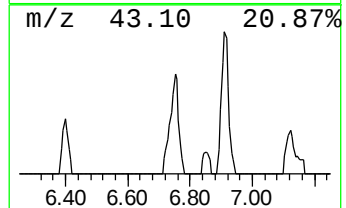
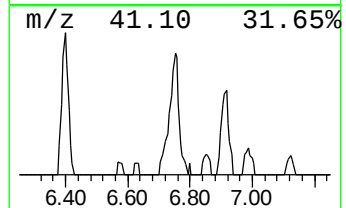
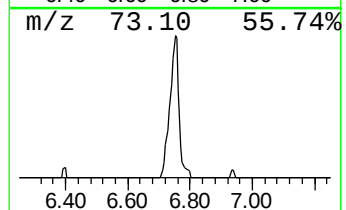
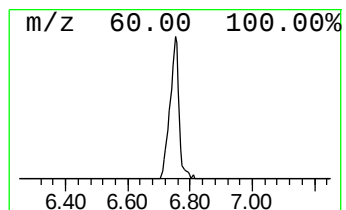
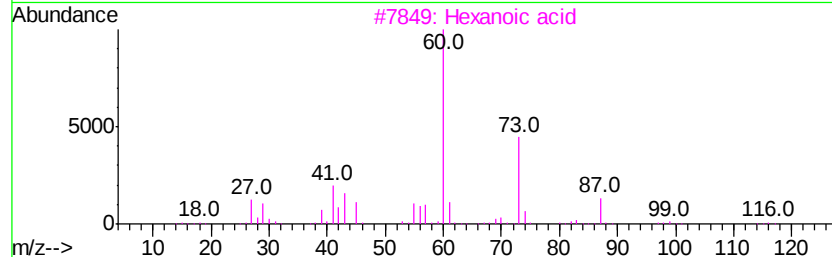
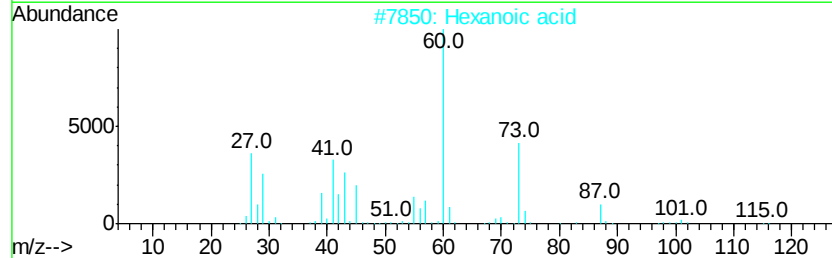
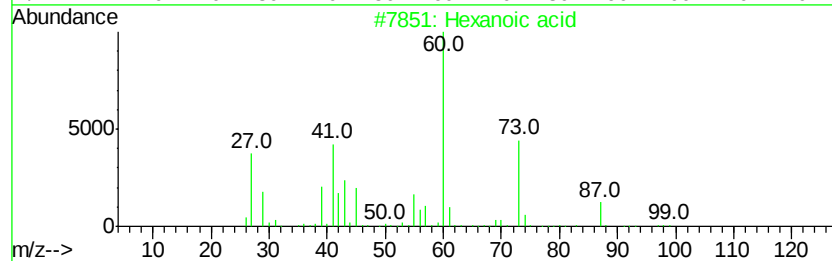
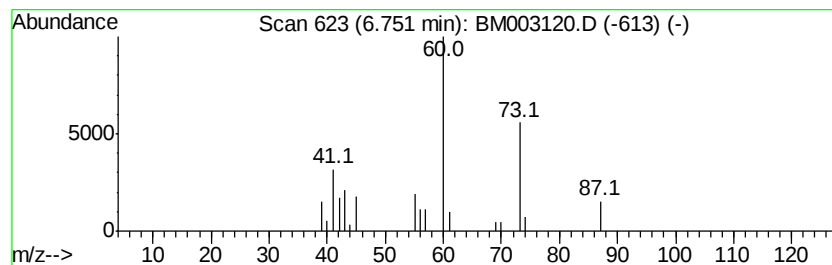
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Hexanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.75	2.35 ng/ul	79041	1,4-Dichlorobenzene-d4	7.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexanoic acid	116	C6H12O2	000142-62-1	90
2		Hexanoic acid	116	C6H12O2	000142-62-1	78
3		Hexanoic acid	116	C6H12O2	000142-62-1	64
4		Propanedioic acid, propyl-	146	C6H10O4	000616-62-6	64
5		Pentanoic acid	102	C5H10O2	000109-52-4	64



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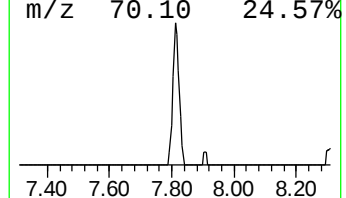
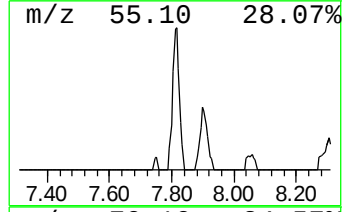
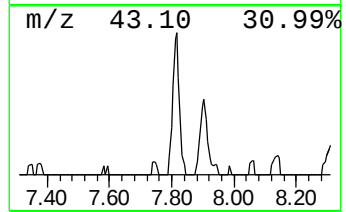
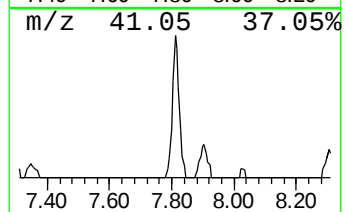
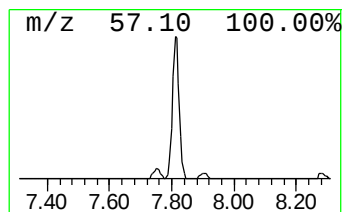
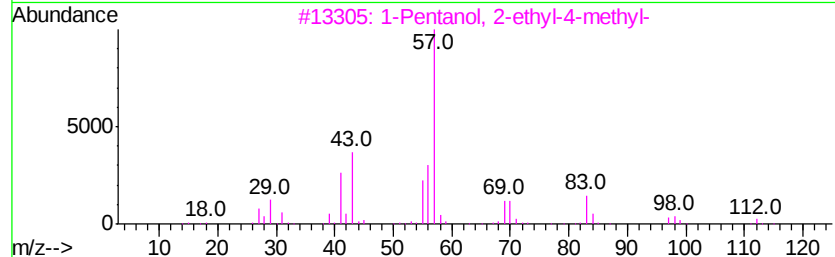
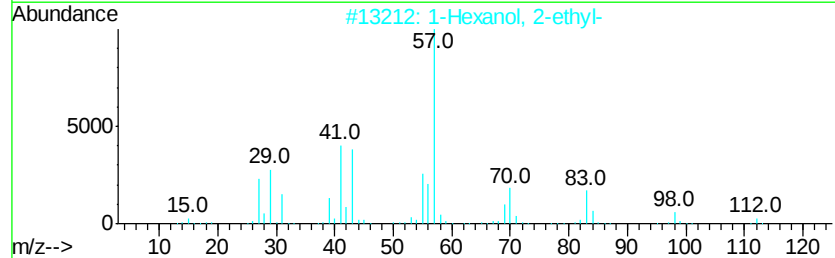
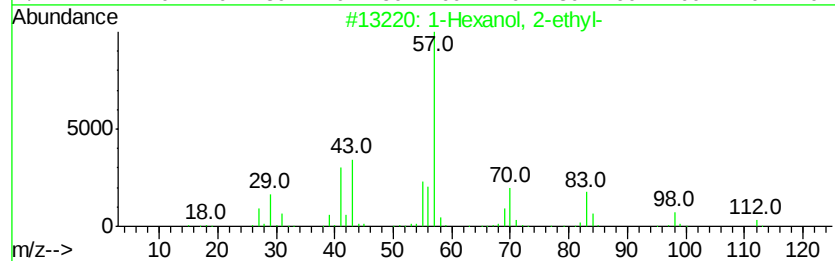
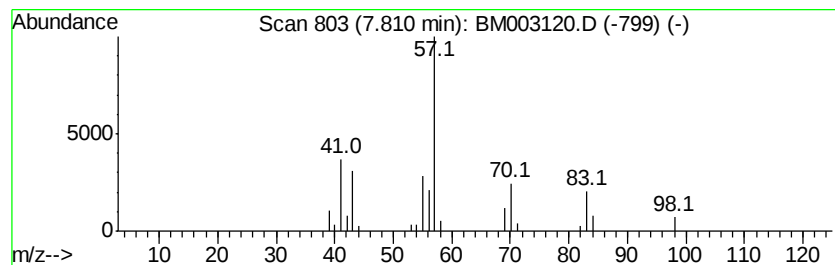
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Peak Number 3 1-Hexanol, 2-ethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.81	2.27 ng/ul	76461	1,4-Dichlorobenzene-d4	7.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	83
2		1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	78
3		1-Pentanol, 2-ethyl-4-methyl-	130	C8H18O	000106-67-2	72
4		2-Propyl-1-pentanol	130	C8H18O	058175-57-8	50
5		1-Octyn-3-ol, 4-ethyl-	154	C10H18O	005877-42-9	47



Data Path : Z:\HPCHEM1\BNA M\DATA\BM111115\
Data File : BM003120.D
Acq On : 12 Nov 2015 16:39
Operator : UM/IZ
Sample : G4320-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4J44

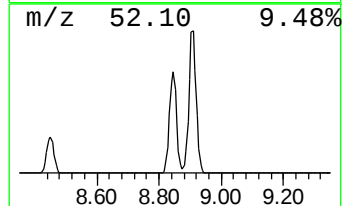
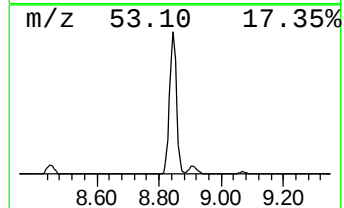
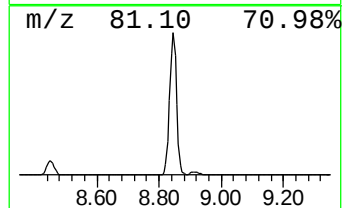
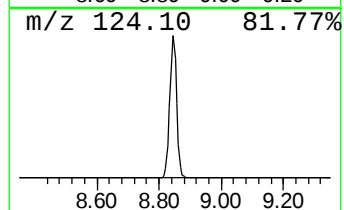
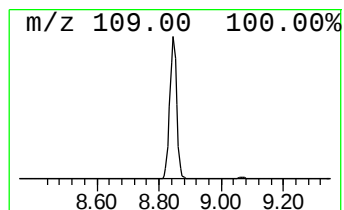
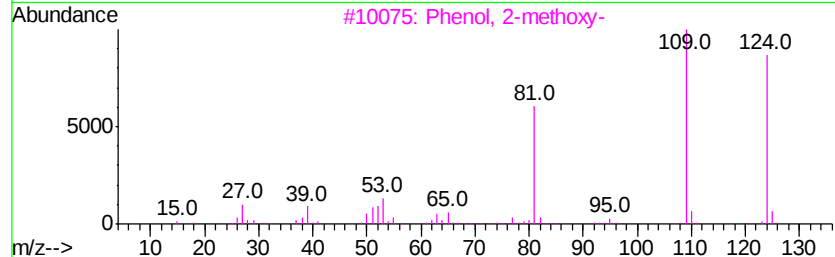
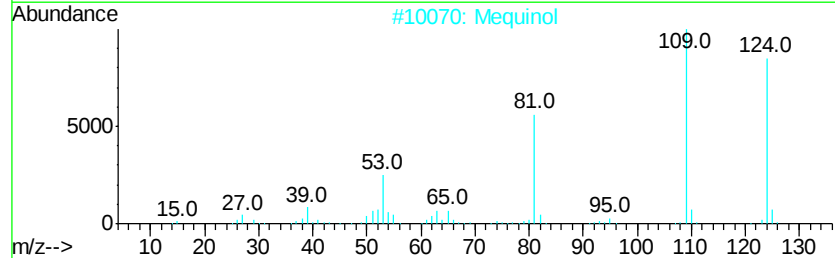
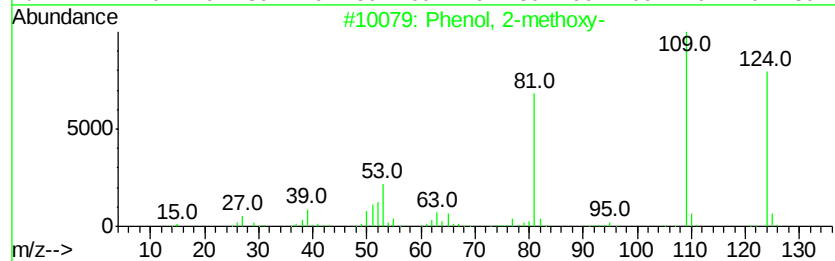
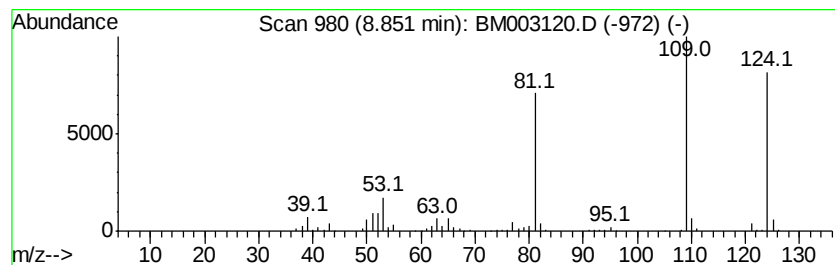
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 Phenol, 2-methoxy- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.85	31.61 ng/ul	1064330	1,4-Dichlorobenzene-d4	7.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenol, 2-methoxy-	124	C7H8O2	000090-05-1	96
2		Mequinol	124	C7H8O2	000150-76-5	93
3		Phenol, 2-methoxy-	124	C7H8O2	000090-05-1	91
4		Phenol, 2-methoxy-	124	C7H8O2	000090-05-1	91
5		Phenol, 2-methoxy-	124	C7H8O2	000090-05-1	91



Data Path : Z:\HPCHEM1\BNA M\DATA\BM111115\
Data File : BM003120.D
Acq On : 12 Nov 2015 16:39
Operator : UM/IZ
Sample : G4320-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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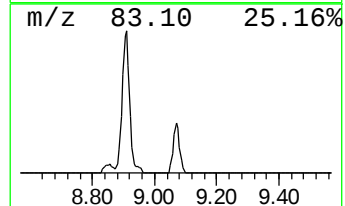
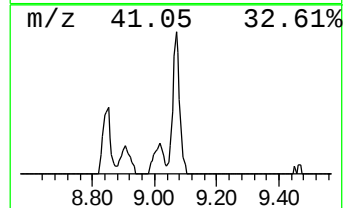
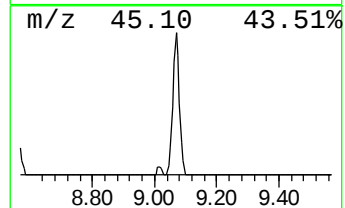
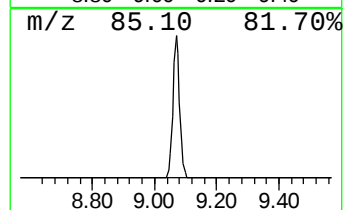
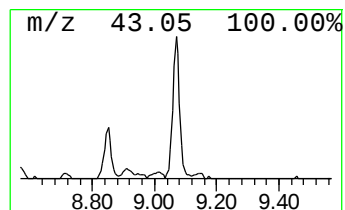
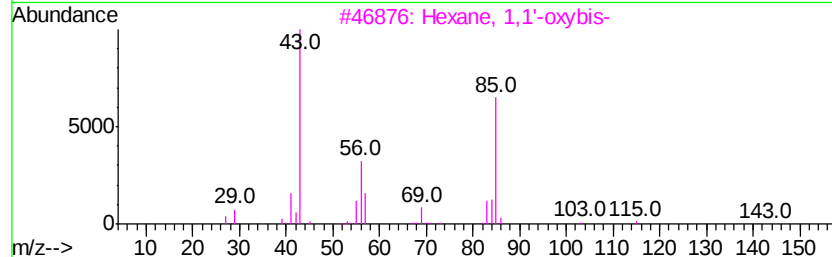
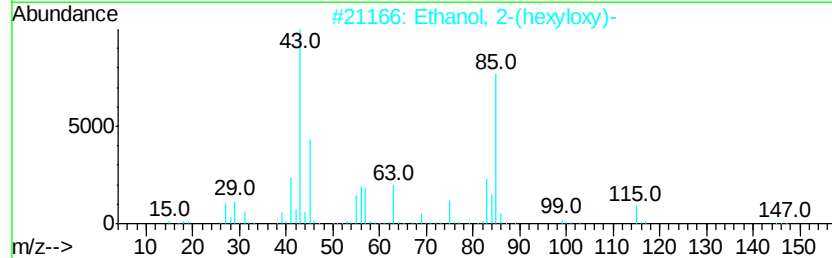
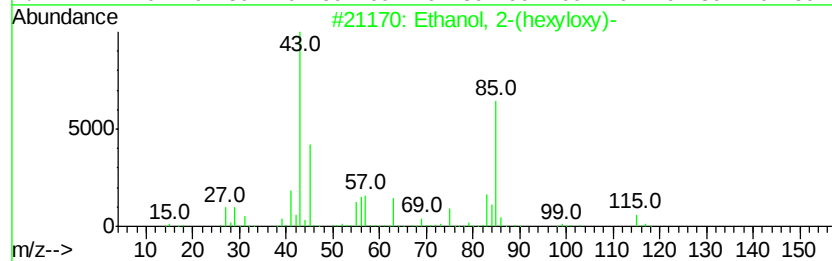
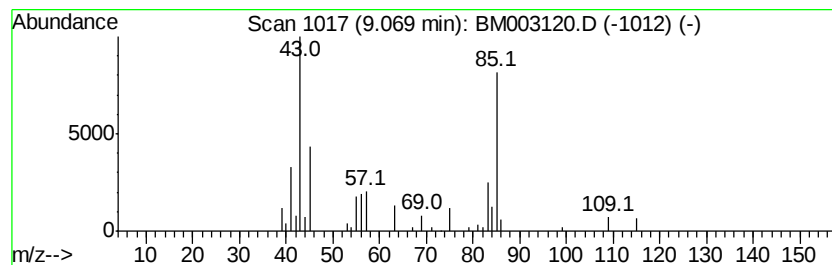
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 Ethanol, 2-(hexyloxy)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.07	3.24 ng/ul	109163	1,4-Dichlorobenzene-d4	7.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethanol, 2-(hexyloxy)-	146	C8H18O2	000112-25-4	86
2		Ethanol, 2-(hexyloxy)-	146	C8H18O2	000112-25-4	53
3		Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	47
4		Pentanoic acid, 2,2-dimethyl-, e...	156	C9H16O2	044970-05-0	43
5		Ethanol, 2-(hexyloxy)-	146	C8H18O2	000112-25-4	40



Data Path : Z:\HPCHEM1\BNA M\DATA\BM111115\
Data File : BM003120.D
Acq On : 12 Nov 2015 16:39
Operator : UM/IZ
Sample : G4320-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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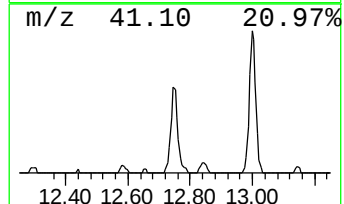
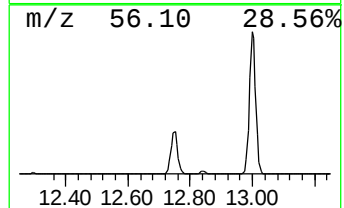
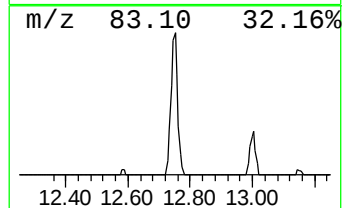
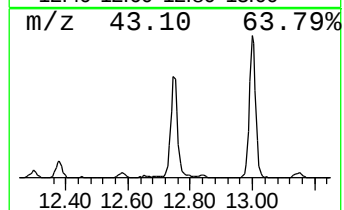
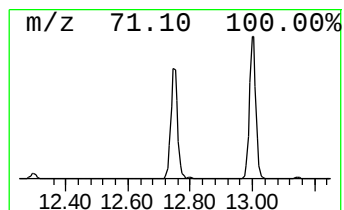
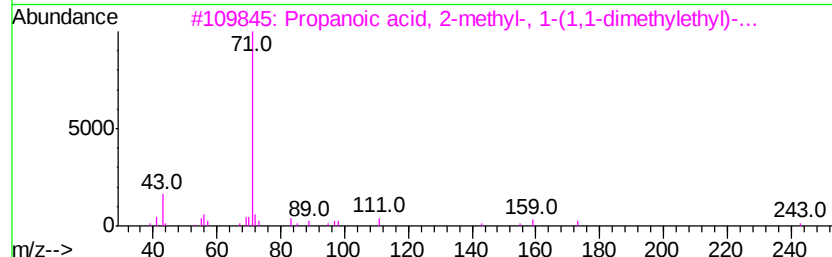
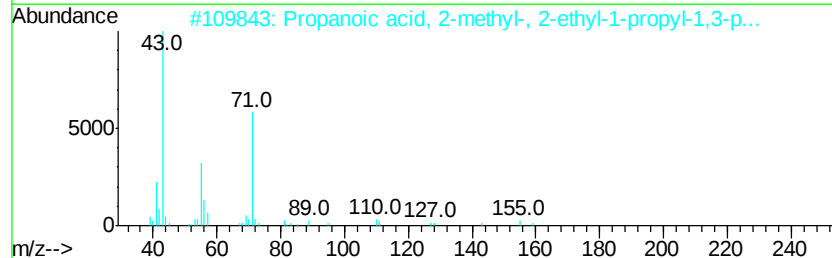
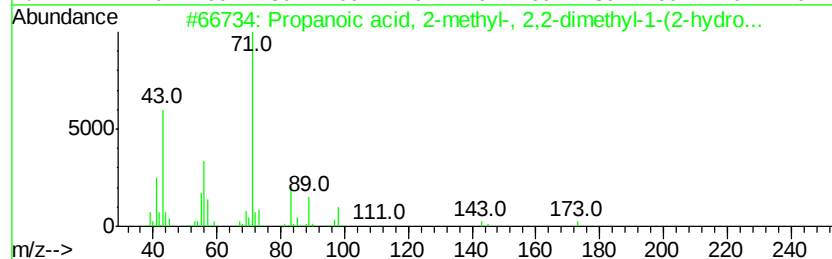
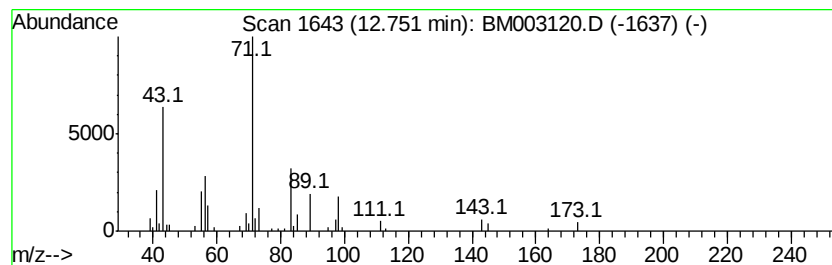
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 Propanoic acid, 2-methyl-, ... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.75	2.70 ng/ul	199403	Acenaphthene-d10	14.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Propanoic acid, 2-methyl-, 2,2-d...	216	C12H24O3	074367-33-2	72
2		Propanoic acid, 2-methyl-, 2-eth...	286	C16H30O4	074367-30-9	40
3		Propanoic acid, 2-methyl-, 1-(1,...	286	C16H30O4	074381-40-1	38
4		Cyclohexane, (3,3-dimethylpentyl)-	182	C13H26	061142-22-1	38
5		4,5-Octanedione	142	C8H14O2	005455-24-3	38



Data Path : Z:\HPCHEM1\BNA M\DATA\BM111115\
Data File : BM003120.D
Acq On : 12 Nov 2015 16:39
Operator : UM/IZ
Sample : G4320-02
Misc :
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Instrument :
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ClientSampleId :
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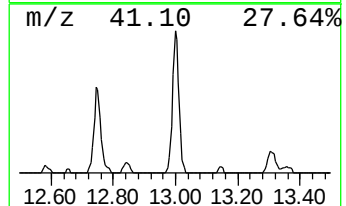
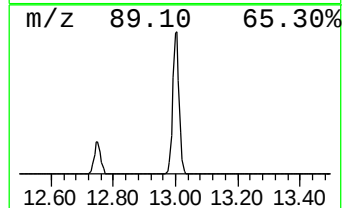
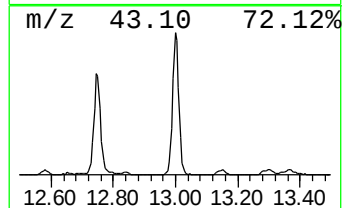
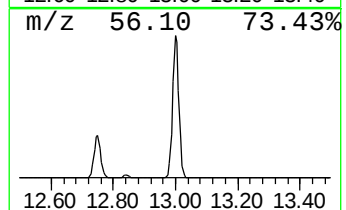
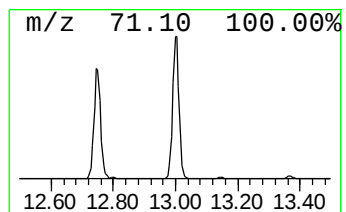
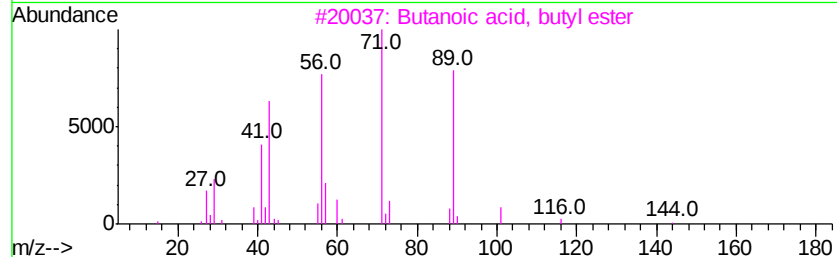
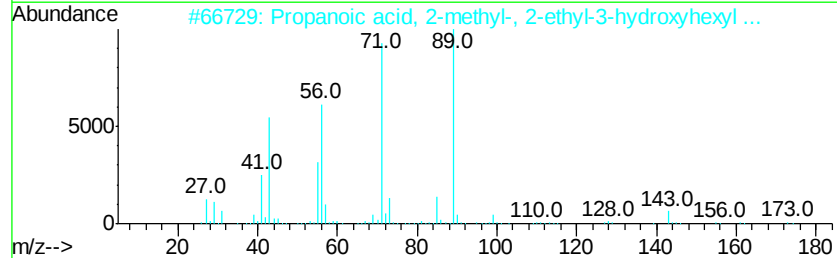
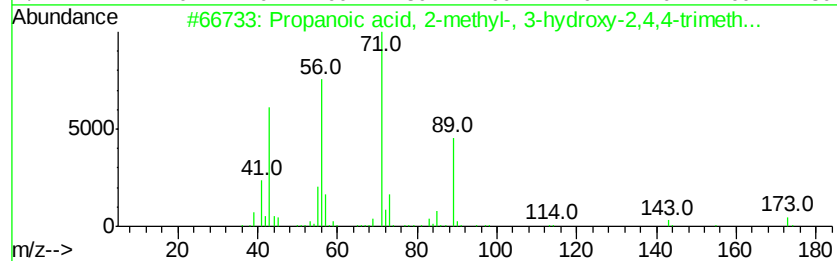
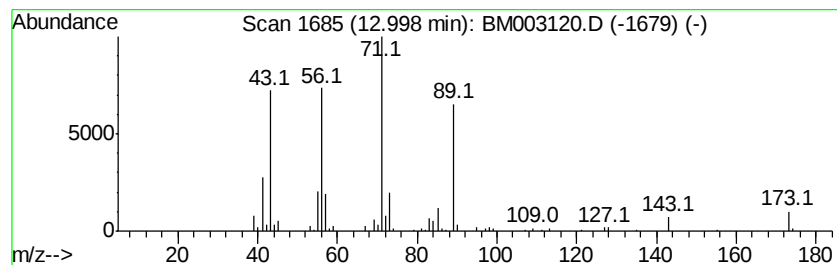
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Propanoic acid, 2-methyl-, ... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	4.06 ng/ul	299346	Acenaphthene-d10	14.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Propanoic acid, 2-methyl-, 3-hyd...	216	C12H24O3	074367-34-3	91
2		Propanoic acid, 2-methyl-, 2-eth...	216	C12H24O3	074367-31-0	72
3		Butanoic acid, butyl ester	144	C8H16O2	000109-21-7	64
4		Butanoic acid, butyl ester	144	C8H16O2	000109-21-7	50
5		Oxirane, 2,3-bis(1-methylethyl)-...	128	C8H16O	054644-32-5	38



Data Path : Z:\HPCHEM1\BNA M\DATA\BM111115\
Data File : BM003120.D
Acq On : 12 Nov 2015 16:39
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Sample : G4320-02
Misc :
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Instrument :
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ClientSampleId :
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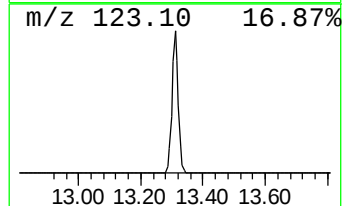
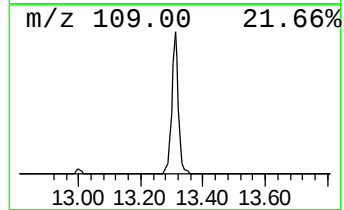
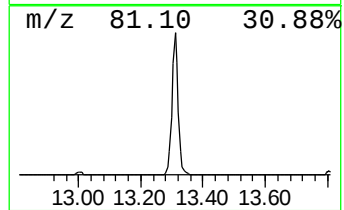
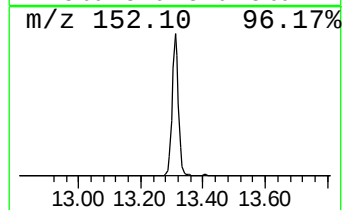
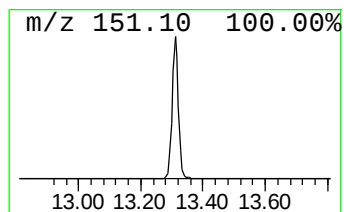
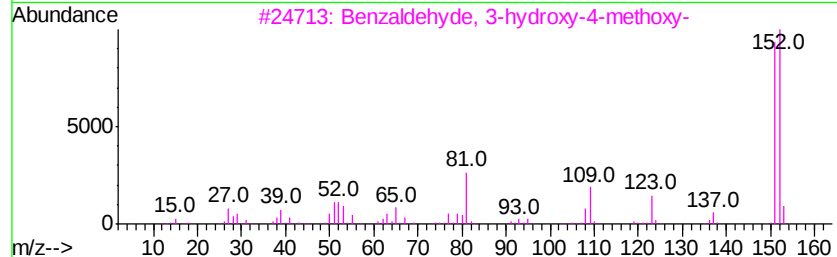
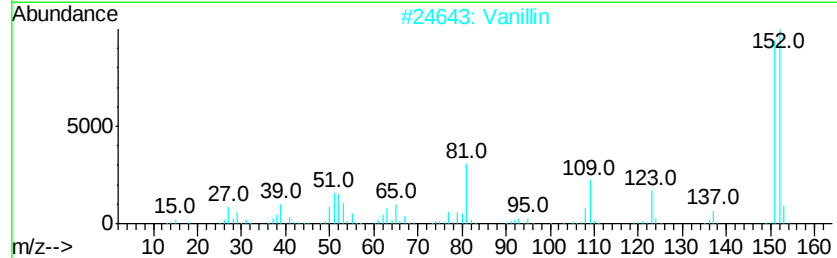
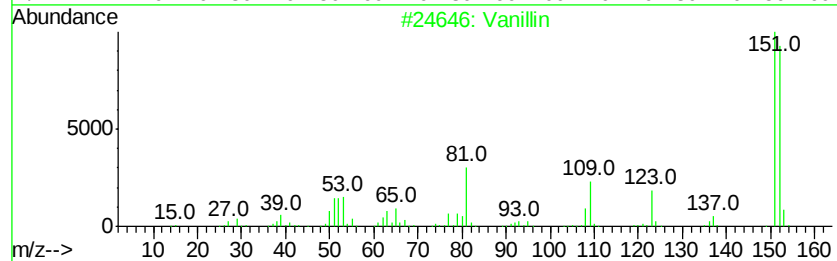
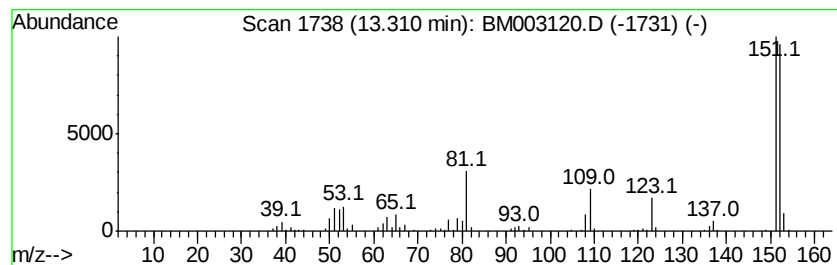
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 Vanillin Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.31	7.30 ng/ul	538274	Acenaphthene-d10	14.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Vanillin	152	C8H8O3	000121-33-5	97
2		Vanillin	152	C8H8O3	000121-33-5	97
3		Benzaldehyde, 3-hydroxy-4-methoxy-	152	C8H8O3	000621-59-0	96
4		Vanillin	152	C8H8O3	000121-33-5	95
5		Benzaldehyde, 3-hydroxy-4-methoxy-	152	C8H8O3	000621-59-0	95



Data Path : Z:\HPCHEM1\BNA M\DATA\BM111115\
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Sample : G4320-02
Misc :
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Instrument :
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ClientSampleId :
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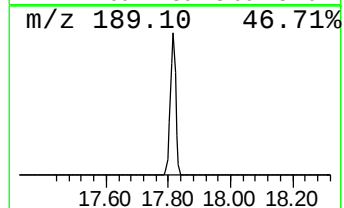
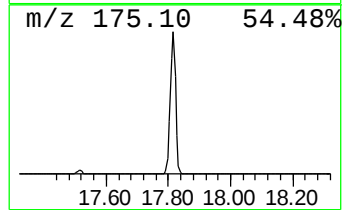
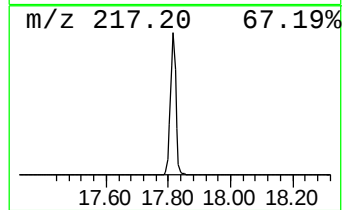
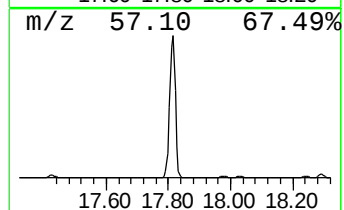
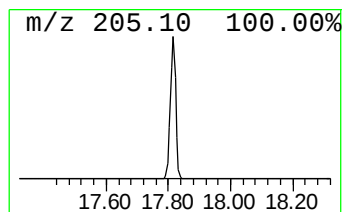
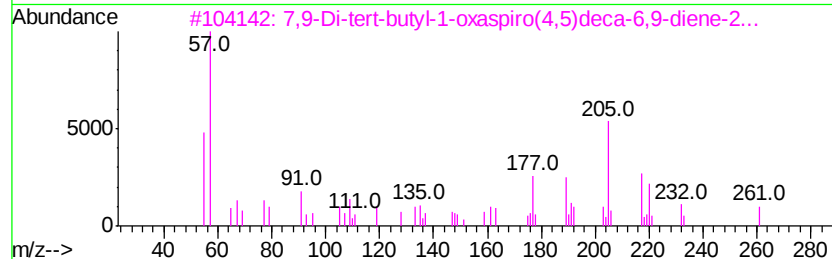
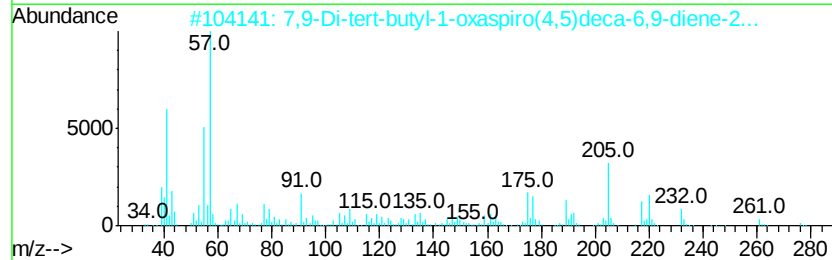
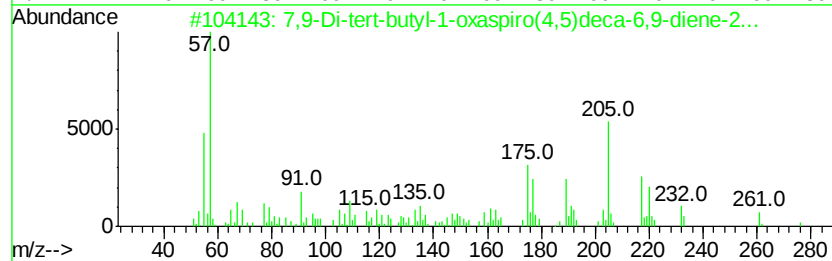
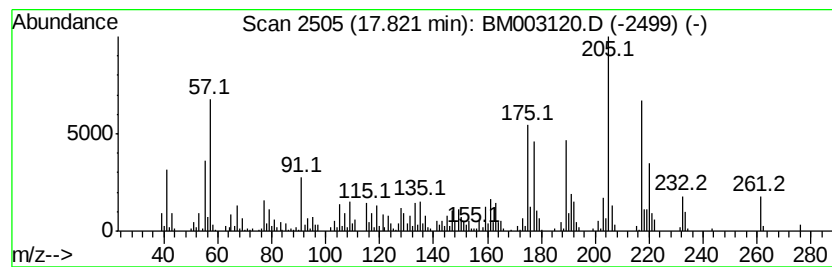
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 7,9-Di-tert-butyl-1-oxaspiro... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.82	12.52 ng/ul	994198	Phenanthrene-d10	17.14

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			7,9-Di-tert-butyl-1-oxaspiro(4,5)deca-6,9-diene-2-one	276	C17H24O3	082304-66-3	99
2			7,9-Di-tert-butyl-1-oxaspiro(4,5)deca-6,9-diene-2-one	276	C17H24O3	082304-66-3	95
3			7,9-Di-tert-butyl-1-oxaspiro(4,5)deca-6,9-diene-2-one	276	C17H24O3	082304-66-3	90
4			2,5-Cyclohexadien-1-one, 2,6-bis(4-methylphenyl)-	232	C16H24O	006738-27-8	80
5			Ethanone, 1-(5,6,7,8-tetrahydro-2H-chromeno[2,1-b]pyridin-2-yl)-	220	C14H20O2	071596-88-8	50



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111115\
 Data File : BM003120.D
 Acq On : 12 Nov 2015 16:39
 Operator : UM/IZ
 Sample : G4320-02
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM103015.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
Ethanol, 2-butoxy-	5.83	3.6	ng/ul	121830	1	7.75	673416	20.0
Hexanoic acid	6.75	2.4	ng/ul	79041	1	7.75	673416	20.0
1-Hexanol, 2-ethyl-	7.81	2.3	ng/ul	76461	1	7.75	673416	20.0
Phenol, 2-methoxy-	8.85	31.6	ng/ul	1064330	1	7.75	673416	20.0
Ethanol, 2-(hexyl...	9.07	3.2	ng/ul	109163	1	7.75	673416	20.0
Propanoic acid, 2...	12.75	2.7	ng/ul	199403	3	14.40	1474340	20.0
Propanoic acid, 2...	13.00	4.1	ng/ul	299346	3	14.40	1474340	20.0
Vanillin	13.31	7.3	ng/ul	538274	3	14.40	1474340	20.0
7,9-Di-tert-butyl...	17.82	12.5	ng/ul	994198	4	17.14	1587580	20.0