LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101617\
Data File : BM012224.D
Acq On : 16 Oct 2017 20:18
Operator : SJ/JU
Sample : I5902-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TWP-B-18

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.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	3.210	17	21	33	rVB	37268	62783	1.12%	0.127%
2	5.422	390	397	405	rBV	48699	85256	1.52%	0.173%
3	6.146	513	520	528	rBV	46487	79416	1.42%	0.161%
4	6.969	654	660	668	rBV	152548	290011	5.18%	0.587%
5	7.040	668	672	677	rVV	88455	132350	2.37%	0.268%
6	7.128	677	687	700	rVB2	447612	845365	15.11%	1.711%
7	7.328	713	721	735	rBV	533590	1006707	18.00%	2.037%
8	7.698	779	784	788	rBV	206901	316461	5.66%	0.640%
9	7.740	788	791	795	rVV	82722	117422	2.10%	0.238%
10	7.798	795	801	813	rVB	505567	864508	15.46%	1.750%
11	7.963	824	829	836	rVB	74862	118206	2.11%	0.239%
12	8.040	836	842	849	rBV	48748	77213	1.38%	0.156%
13	8.510	913	922	937	rBV	454123	831508	14.87%	1.683%
14	8.969	991	1000	1013	rBV	605115	1080301	19.31%	2.186%
15	9.216	1035	1042	1053	rVB5	34843	108651	1.94%	0.220%
16	9.475	1068	1086	1104	rBV	573293	1746242	31.22%	3.534%
17	9.686	1115	1122	1134	rBV	578881	1014140	18.13%	2.052%
18	10.228	1207	1214	1230	rBV	806721	1574451	28.15%	3.186%
19	10.598	1269	1277	1287	rBV	790766	1332184	23.82%	2.696%
20	10.739	1295	1301	1313	rVB5	52754	131739	2.36%	0.267%
21	13.069	1693	1697	1704	rVB	46351	73027	1.31%	0.148%
22	13.857	1825	1831	1848	rBV	1980553	2836826	50.72%	5.741%
23	14.145	1873	1880	1892	rBV	2145313	3206005	57.32%	6.488%
24	14.316	1900	1909	1923	rBV3	47634	126772	2.27%	0.257%
25	14.451	1923	1932	1939	rVV2	1324953	2069853	37.00%	4.189%
26	14.510	1939	1942	1949	rVB2	36685	58462	1.05%	0.118%
27	14.692	1967	1973	1987	rBV3	88610	258803	4.63%	0.524%
28	14.857	1997	2001	2006	rVB2	53682	80138	1.43%	0.162%
29	15.198	2054	2059	2063	rBV	117191	166348	2.97%	0.337%
30	15.445	2094	2101	2107	rBV	2885154	4075775	72.87%	8.248%
31	15.498	2107	2110	2117	rVB3	82323	123176	2.20%	0.249%
32	15.586	2120	2125	2136	rBV	783298	1278590	22.86%	2.588%
33	16.386	2257	2261	2266	rBV3	51710	73959	1.32%	0.150%
34	16.510	2277	2282	2291	rVB3	47738	86256	1.54%	0.175%

LSC Area Percent Report

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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TWP-B-18

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Title : SVOA CALIBRATION

35	16.663	2303	2308	2313	rBV2	36504	59179	1.06%	0.120%
36	17.198	2393	2399	2404	rBV2	1840733	2613607	46.73%	5.289%
37	17.239	2404	2406	2410	rVV	69272	89416	1.60%	0.181%
38	17.298	2410	2416	2428	rVB	3219146	4635962	82.88%	9.382%
39	17.615	2466	2470	2477	rBV2	34256	69527	1.24%	0.141%
40	18.074	2543	2548	2556	rBV	105260	169566	3.03%	0.343%
41	18.151	2557	2561	2566	rVB	60621	84483	1.51%	0.171%
42	19.227	2740	2744	2747	rBV	48892	83385	1.49%	0.169%
43	19.262	2747	2750	2756	rVB	84153	115487	2.06%	0.234%
44	19.356	2762	2766	2773	rBV2	155350	235114	4.20%	0.476%
45	19.480	2784	2787	2794	rVB	36743	63820	1.14%	0.129%
46	19.592	2800	2806	2817	rBV	3812212	5593485	100.00%	11.320%
47	19.815	2840	2844	2853	rBV	195290	305664	5.46%	0.619%
48	20.503	2959	2961	2966	rVB	74606	80023	1.43%	0.162%
49	20.562	2969	2971	2975	rVB2	82503	90305	1.61%	0.183%
50	21.268	3089	3091	3096	rVB	92299	93194	1.67%	0.189%
51	21.380	3105	3110	3114	rBV	2170845	2676257	47.85%	5.416%
52	23.533	3470	3476	3490	rVB2	1908466	3960802	70.81%	8.016%
53	23.680	3496	3501	3511	rVB	1064163	2064490	36.91%	4.178%

Sum of corrected areas: 49412670

LSC Report - Integrated Chromatogram

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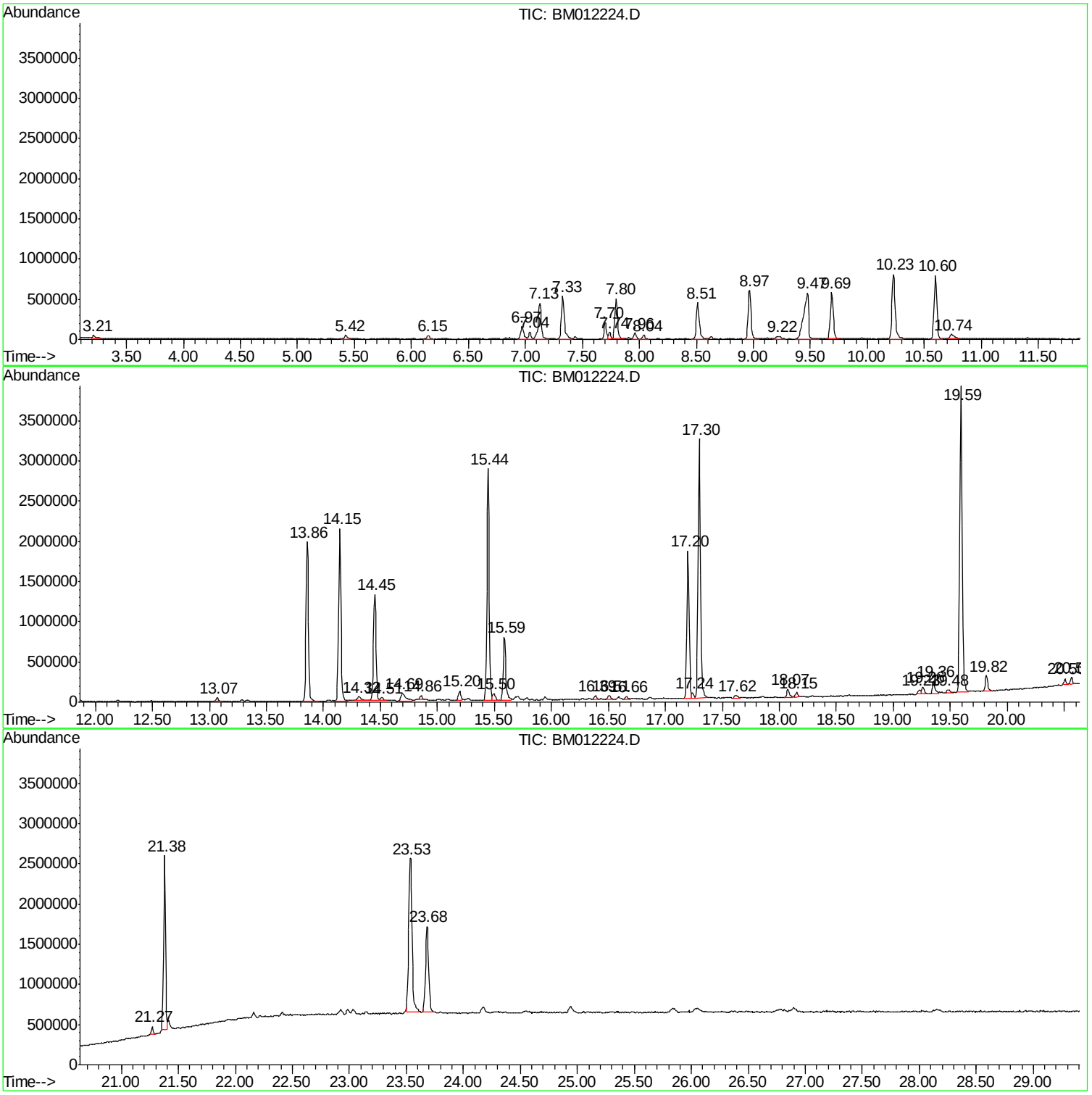
Sample : I5902-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TWP-B-18

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101617\
Data File : BM012224.D
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Instrument : BNA_M
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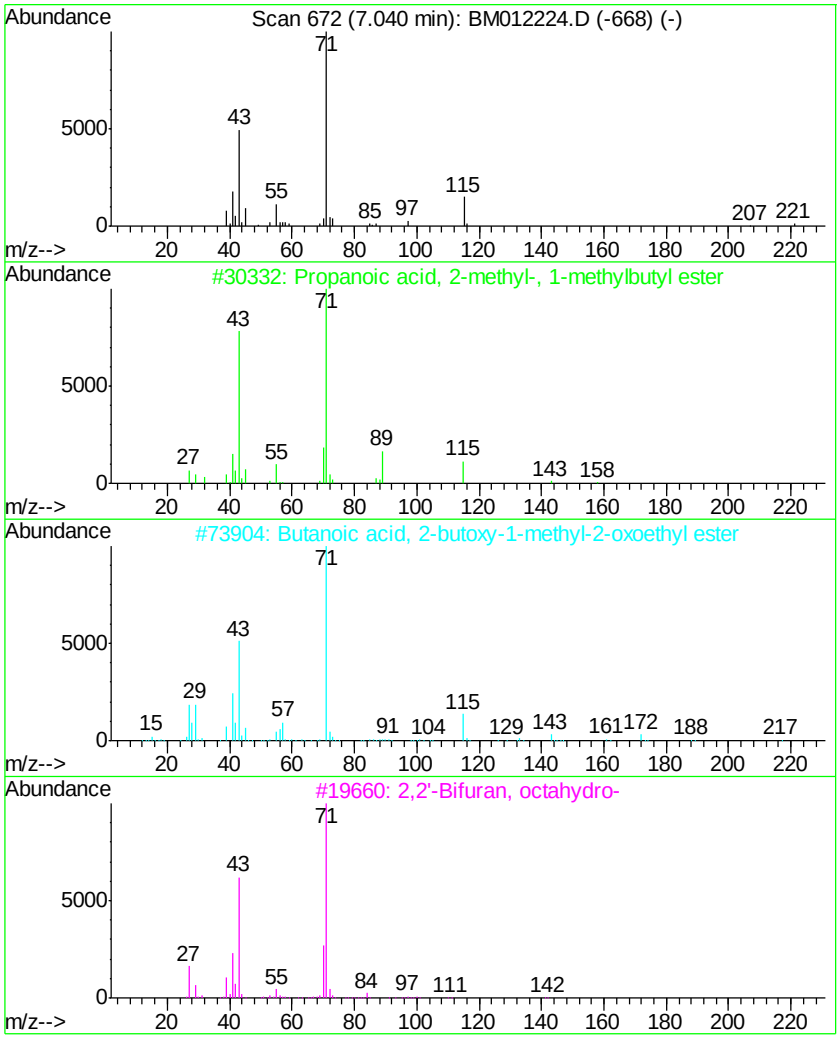
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

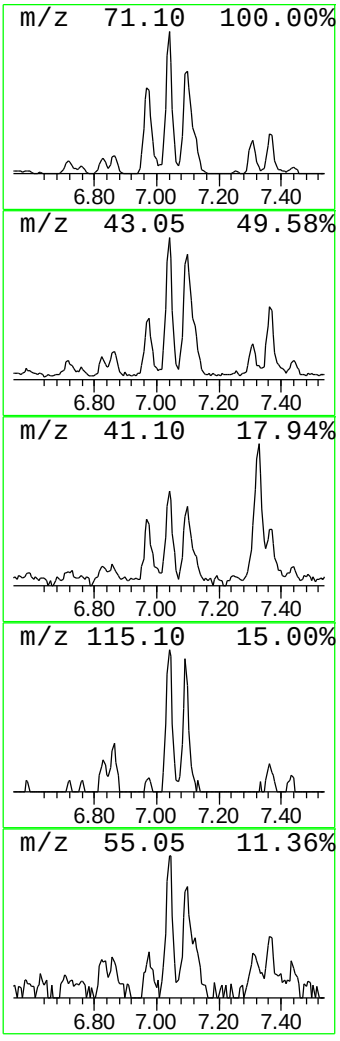
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Propanoic acid, 2-methyl-, ... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.04	3.06 ng/ul	132350	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-methyl-, 1-met...	158	C9H18O2	054340-93-1	78
2	Butanoic acid, 2-butoxy-1-methyl...	216	C11H20O4	007492-70-8	78
3	2,2'-Bifuran, octahydro-	142	C8H14O2	001592-33-2	53
4	Butanoic acid, anhydride	158	C8H14O3	000106-31-0	53
5	Sulfurous acid, 2-pentyl pentyl ...	222	C10H22O3S	1000309-15-4	50





Library Search Compound Report

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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TWP-B-18

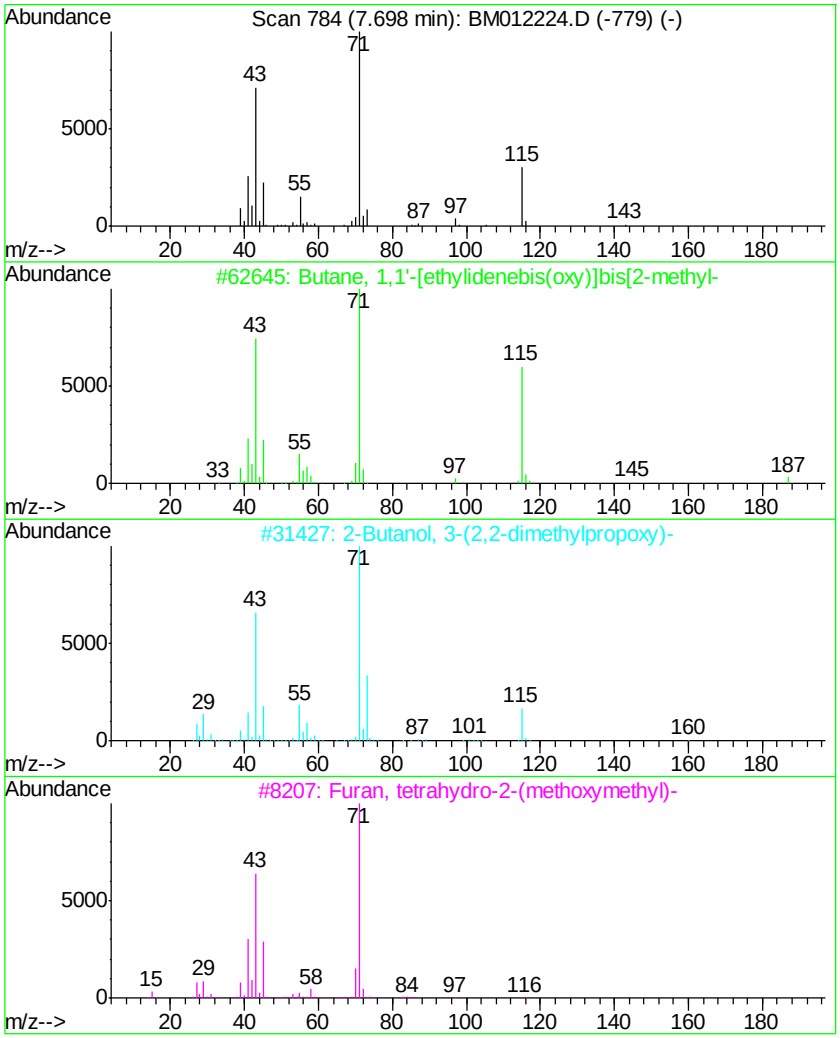
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

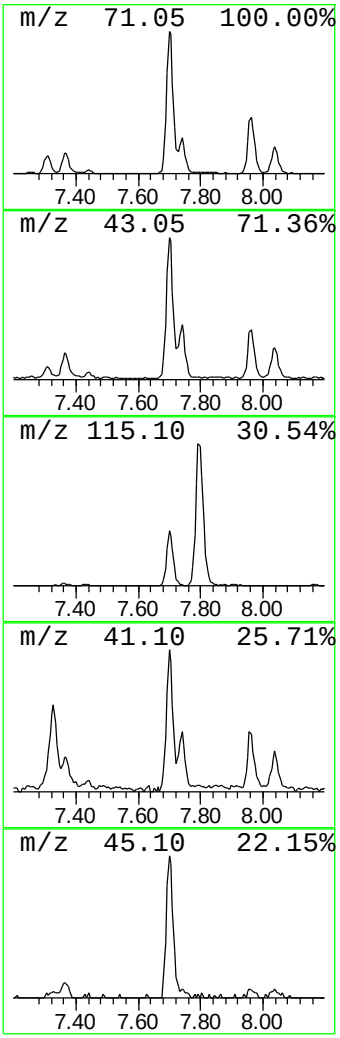
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Butane, 1,1'-[ethylidenebis... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.70	7.32 ng/ul	316461	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 1,1'-[ethylidenebis(oxy)...	202	C12H26O2	013535-43-8	64
2	2-Butanol, 3-(2,2-dimethylpropoxy)-	160	C9H20O2	074793-66-1	64
3	Furan, tetrahydro-2-(methoxymeth...	116	C6H12O2	019354-27-9	59
4	Butanoic acid, anhydride	158	C8H14O3	000106-31-0	50
5	Propanoic acid, 2-methyl-, anhyd...	158	C8H14O3	000097-72-3	50





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Instrument : BNA_M
ClientSampleId : TWP-B-18

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

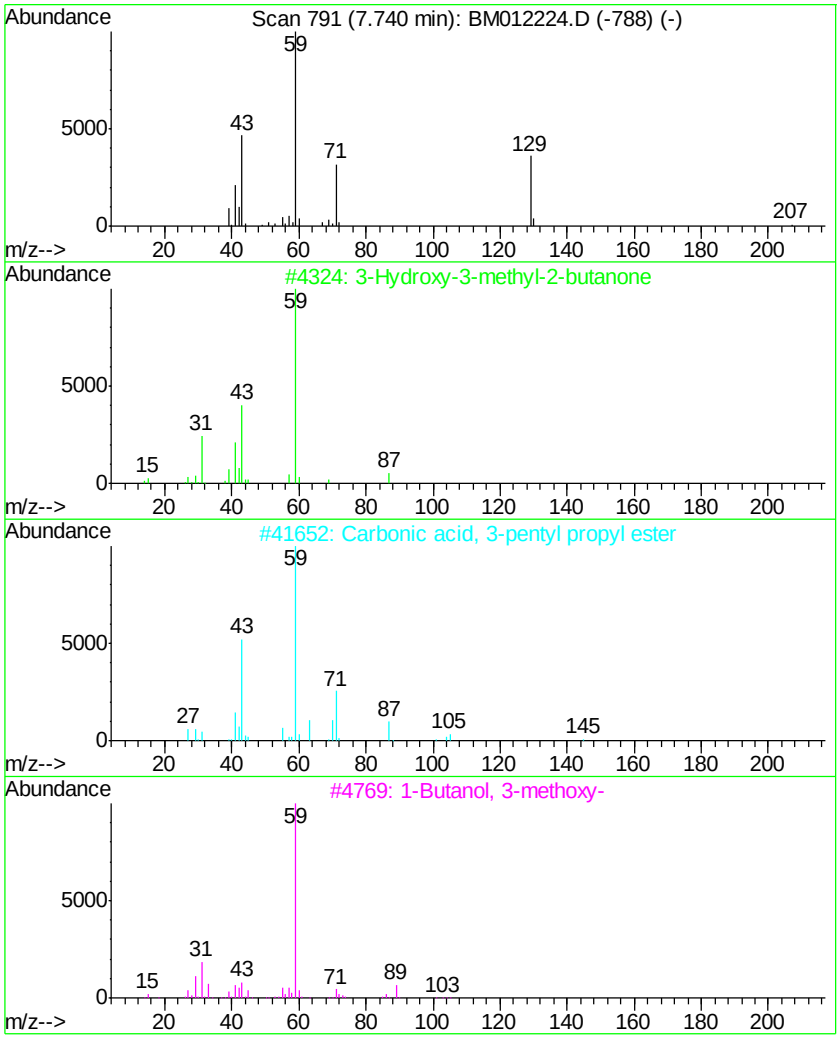
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

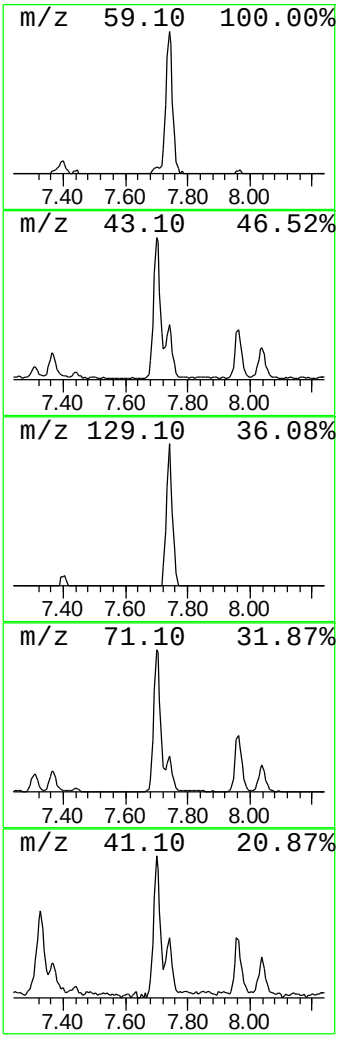
****

Peak Number 3 3-Hydroxy-3-methyl-2-butanone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.74	2.72 ng/ul	117422	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	50
2	Carbonic acid, 3-pentyl propyl e...	174	C9H18O3	1000325-64-0	45
3	1-Butanol, 3-methoxy-	104	C5H12O2	002517-43-3	40
4	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	40
5	Butanedioic acid, methyl-, dimet...	160	C7H12O4	001604-11-1	38





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Instrument : BNA_M
ClientSampleId : TWP-B-18

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

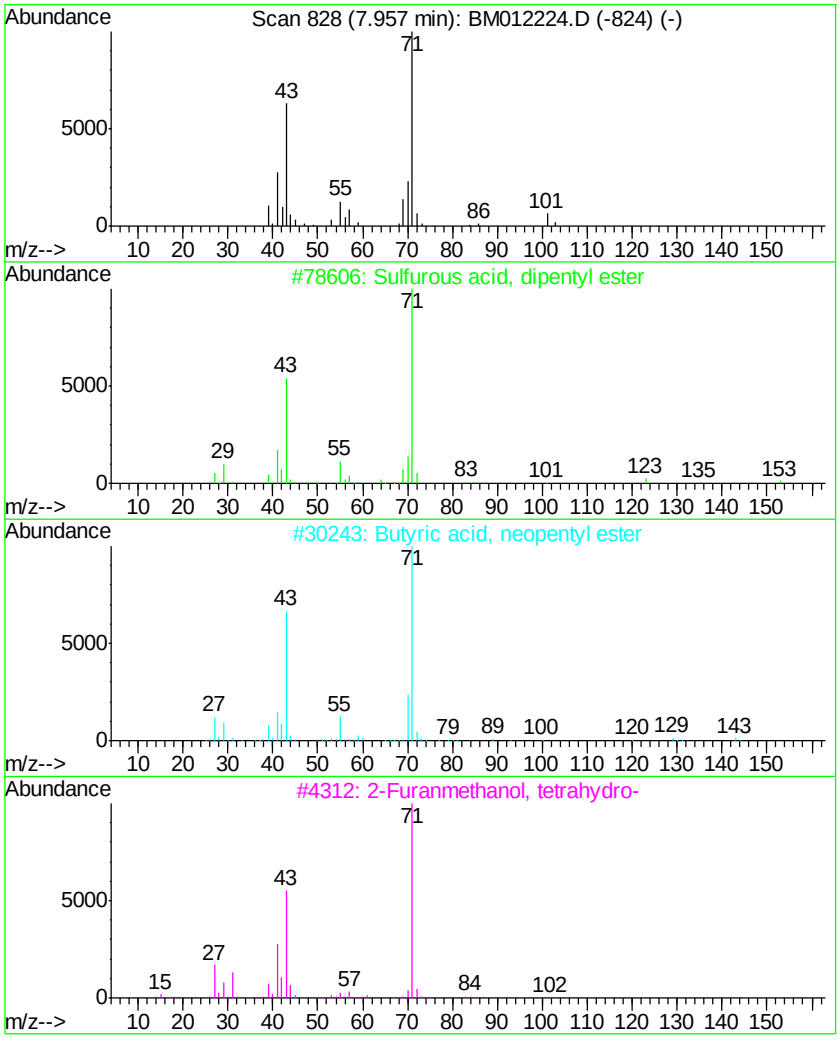
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

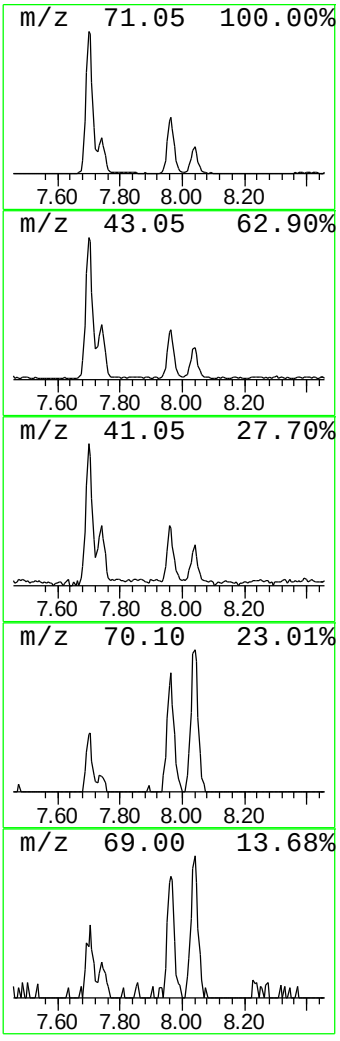
****

Peak Number 4 Sulfurous acid, dipentyl ester Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.96	2.73 ng/ul	118206	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, dipentyl ester	222	C10H22O3S	1000309-13-9	72
2	Butyric acid, neopentyl ester	158	C9H18O2	002050-00-2	64
3	2-Furanmethanol, tetrahydro-	102	C5H10O2	000097-99-4	53
4	Pentane, 3-ethyl-	100	C7H16	000617-78-7	53
5	Ether, 3-butenyl pentyl	142	C9H18O	034061-78-4	50





Library Search Compound Report

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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

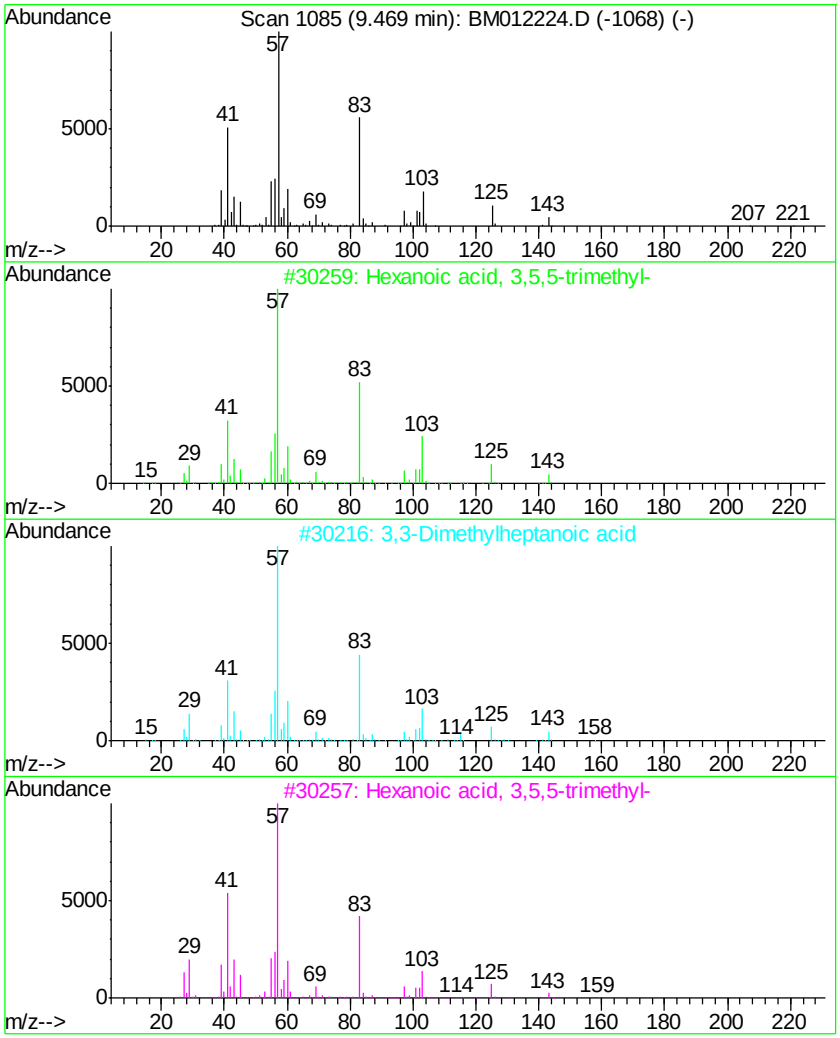
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

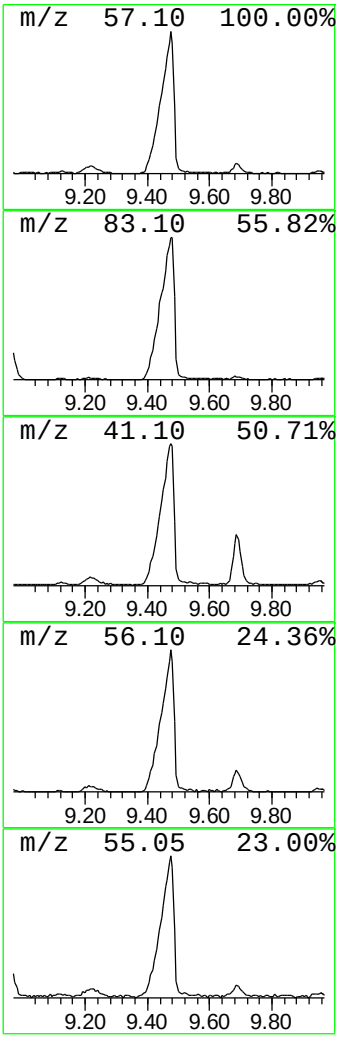
****

Peak Number 5 Hexanoic acid, 3,5,5-trimet... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.47	26.22 ng/ul	1746240	Naphthalene-d8	10.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 3,5,5-trimethyl-	158	C9H18O2	003302-10-1	91
2	3,3-Dimethylheptanoic acid	158	C9H18O2	067061-30-7	90
3	Hexanoic acid, 3,5,5-trimethyl-	158	C9H18O2	003302-10-1	86
4	Hexanoic acid, 3,5,5-trimethyl-	158	C9H18O2	003302-10-1	64
5	Hexanoyl chloride, 3,5,5-trimethyl-	176	C9H17ClO	036727-29-4	47





Tentatively Identified Compound (LSC) summary

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Propanoic acid, 2...	7.04	3.1	ng/ul	132350	1	7.80	864508	20.0
Butane, 1,1'-[eth...	7.70	7.3	ng/ul	316461	1	7.80	864508	20.0
3-Hydroxy-3-methy...	7.74	2.7	ng/ul	117422	1	7.80	864508	20.0
Sulfurous acid, d...	7.96	2.7	ng/ul	118206	1	7.80	864508	20.0
Hexanoic acid, 3,...	9.47	26.2	ng/ul	1746240	2	10.60	1332180	20.0