LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005011.D
Acq On : 21 Apr 2016 04:09
Operator : UM/SJ
Sample : H2567-25
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7R3

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\SOM02.2-EPA-BM041416.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	2.828	21	24	30	rVB	23936	31872	1.99%	0.181%
2	3.281	97	101	108	rBV2	52304	76506	4.77%	0.434%
3	3.340	108	111	117	rVB	23150	28549	1.78%	0.162%
4	4.393	284	290	298	rBV	21132	31698	1.97%	0.180%
5	5.269	432	439	444	rBV2	9636	16444	1.02%	0.093%
6	6.969	693	728	740	rBV2	252554	1225963	76.37%	6.956%
7	7.140	751	757	765	rVB	202964	305339	19.02%	1.732%
8	7.340	786	791	798	rVB	223010	346033	21.56%	1.963%
9	7.804	865	870	877	rBV	181829	295667	18.42%	1.678%
10	7.863	877	880	887	rVB	15575	22601	1.41%	0.128%
11	8.398	963	971	983	rVB	39926	88610	5.52%	0.503%
12	8.504	983	989	999	rBV	165717	284130	17.70%	1.612%
13	8.963	1060	1067	1082	rBV	249139	436005	27.16%	2.474%
14	9.681	1183	1189	1198	rBB	209251	341081	21.25%	1.935%
15	9.881	1206	1223	1228	rBV	62690	186712	11.63%	1.059%
16	9.934	1228	1232	1242	rVB	42199	73488	4.58%	0.417%
17	10.216	1274	1280	1294	rBB	307827	519739	32.38%	2.949%
18	10.510	1322	1330	1338	rBV2	33847	79322	4.94%	0.450%
19	10.598	1338	1345	1352	rVB	266807	463416	28.87%	2.629%
20	11.269	1452	1459	1466	rBV2	25057	40566	2.53%	0.230%
21	11.933	1567	1572	1583	rBB3	12939	25254	1.57%	0.143%
22	12.216	1616	1620	1633	rVB	27014	52290	3.26%	0.297%
23	12.633	1686	1691	1696	rBV	19416	28224	1.76%	0.160%
24	12.686	1696	1700	1708	rVV	37839	55311	3.45%	0.314%
25	13.198	1781	1787	1791	rBV2	20267	36947	2.30%	0.210%
26	13.439	1818	1828	1841	rBV	146091	257827	16.06%	1.463%
27	13.633	1853	1861	1872	rBV	199193	364058	22.68%	2.066%
28	13.851	1892	1898	1904	rBV	604244	822812	51.26%	4.669%
29	14.133	1940	1946	1953	rVB	644347	974641	60.71%	5.530%
30	14.210	1953	1959	1979	rVB	29725	61202	3.81%	0.347%
31	14.445	1993	1999	2006	rBV2	420148	637232	39.70%	3.616%
32	14.645	2028	2033	2045	rBV2	58351	101363	6.31%	0.575%
33	14.939	2078	2083	2093	rBV	19214	31497	1.96%	0.179%
34	15.174	2119	2123	2128	rVB2	10611	18300	1.14%	0.104%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005011.D
Acq On : 21 Apr 2016 04:09
Operator : UM/SJ
Sample : H2567-25
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7R3

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\SOM02.2-EPA-BM041416.M
Title : SVOA CALIBRATION

35	15.233	2128	2133	2136	rBV	21977	30421	1.90%	0.173%
36	15.439	2161	2168	2182	rVB	845618	1249012	77.81%	7.087%
37	15.557	2182	2188	2202	rBV	305329	422421	26.31%	2.397%
38	16.562	2354	2359	2365	rBV	22003	31773	1.98%	0.180%
39	17.192	2459	2466	2473	rVB	536278	785719	48.95%	4.458%
40	17.286	2473	2482	2492	rBV2	908085	1341693	83.58%	7.613%
41	18.074	2611	2616	2621	rBV	20419	31716	1.98%	0.180%
42	19.215	2806	2810	2815	rBV	10737	16903	1.05%	0.096%
43	19.356	2830	2834	2840	rBV2	14521	20769	1.29%	0.118%
44	19.498	2854	2858	2863	rVB	31523	39884	2.48%	0.226%
45	19.580	2866	2872	2879	rBV2	1097076	1605302	100.00%	9.108%
46	19.809	2908	2911	2916	rBV	18002	19693	1.23%	0.112%
47	21.280	3157	3161	3167	rVB	37093	37850	2.36%	0.215%
48	21.374	3171	3177	3186	rBV	764285	1009372	62.88%	5.727%
49	22.939	3440	3443	3447	rVB3	14209	18689	1.16%	0.106%
50	23.515	3533	3541	3553	rBV2	798073	1538843	95.86%	8.731%
51	23.656	3558	3565	3578	rVB2	484079	940389	58.58%	5.336%
52	24.174	3648	3653	3661	rVB	23379	44847	2.79%	0.254%
53	24.933	3777	3782	3789	rBV2	18800	40005	2.49%	0.227%
54	25.827	3928	3934	3941	rVB3	14748	38491	2.40%	0.218%

Sum of corrected areas: 17624491

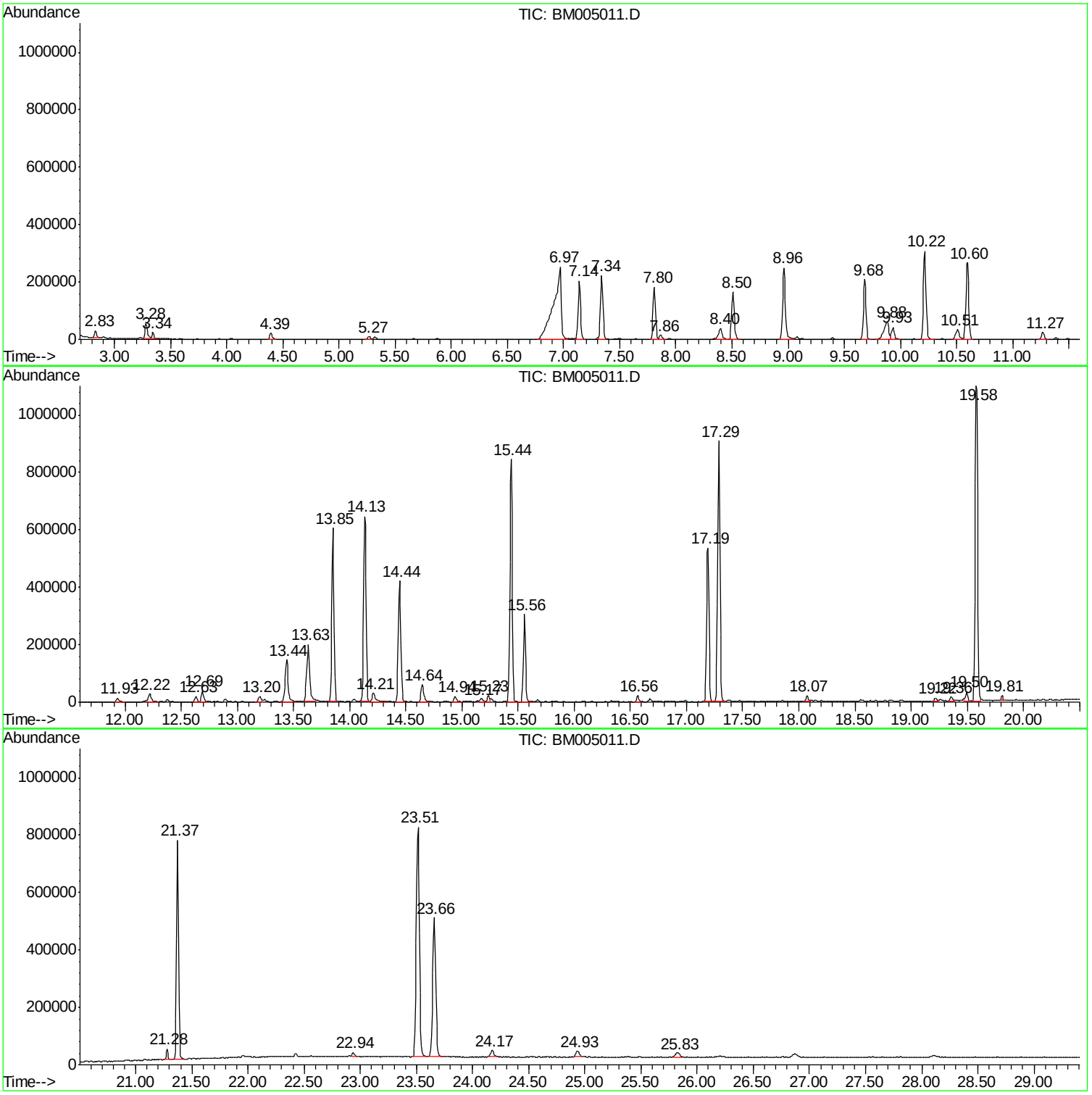
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005011.D
Acq On : 21 Apr 2016 04:09
Operator : UM/SJ
Sample : H2567-25
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BC7R3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005011.D
Acq On : 21 Apr 2016 04:09
Operator : UM/SJ
Sample : H2567-25
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7R3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

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

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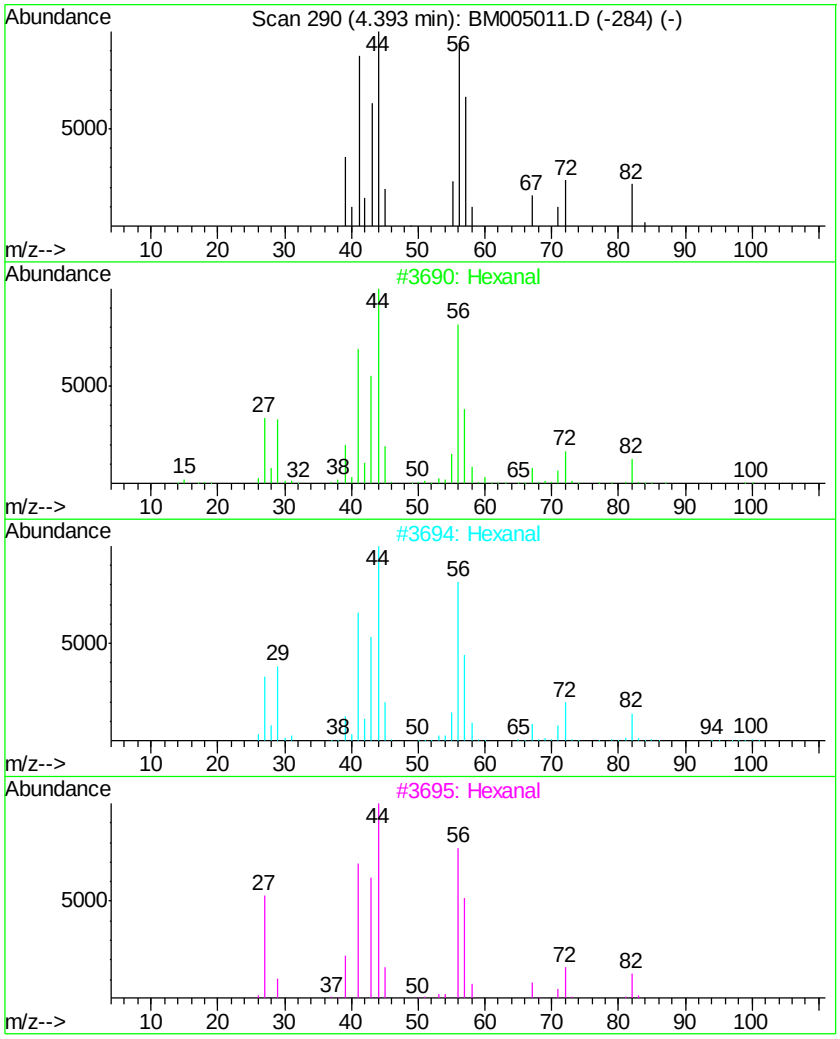
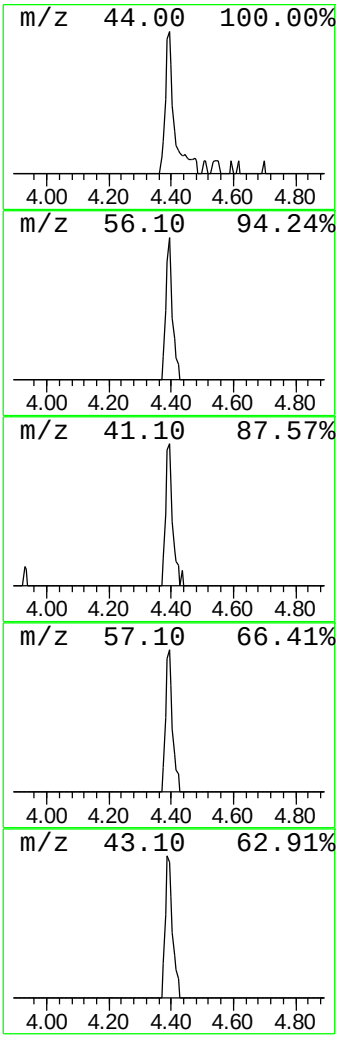
Peak Number 2 Hexanal Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.39	2.14 ng/ul	31698	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	83
2	Hexanal	100	C6H12O	000066-25-1	83
3	Hexanal	100	C6H12O	000066-25-1	78
4	Hexanal	100	C6H12O	000066-25-1	59
5	2,2-Dimethyl-3-hydroxypropionald...	102	C5H10O2	000597-31-9	32





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005011.D
Acq On : 21 Apr 2016 04:09
Operator : UM/SJ
Sample : H2567-25
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7R3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

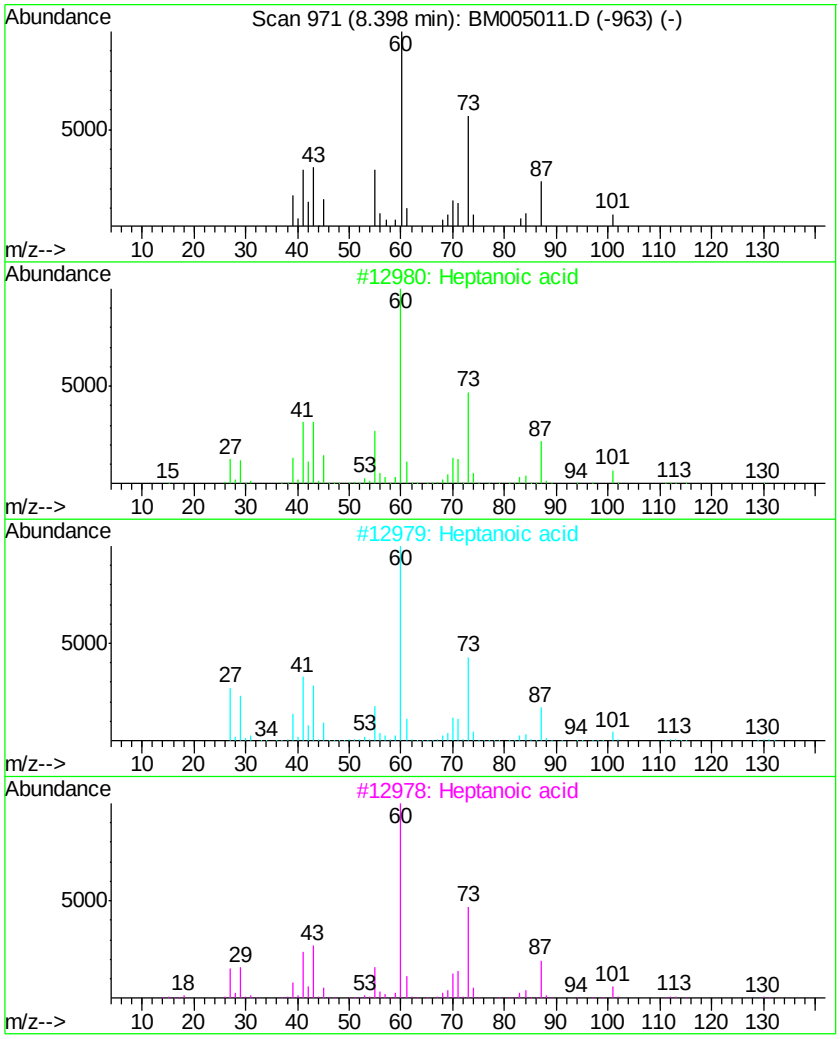
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

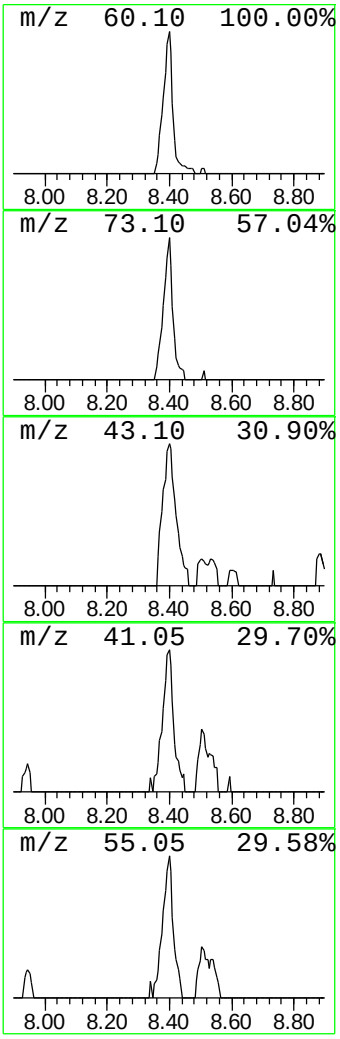
****

Peak Number 3 Heptanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	5.99 ng/ul	88610	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanoic acid	130	C7H14O2	000111-14-8	90
2	Heptanoic acid	130	C7H14O2	000111-14-8	90
3	Heptanoic acid	130	C7H14O2	000111-14-8	86
4	Heptanoic acid	130	C7H14O2	000111-14-8	83
5	Butanoic acid, 3-methyl-	102	C5H10O2	000503-74-2	59





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005011.D
Acq On : 21 Apr 2016 04:09
Operator : UM/SJ
Sample : H2567-25
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7R3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

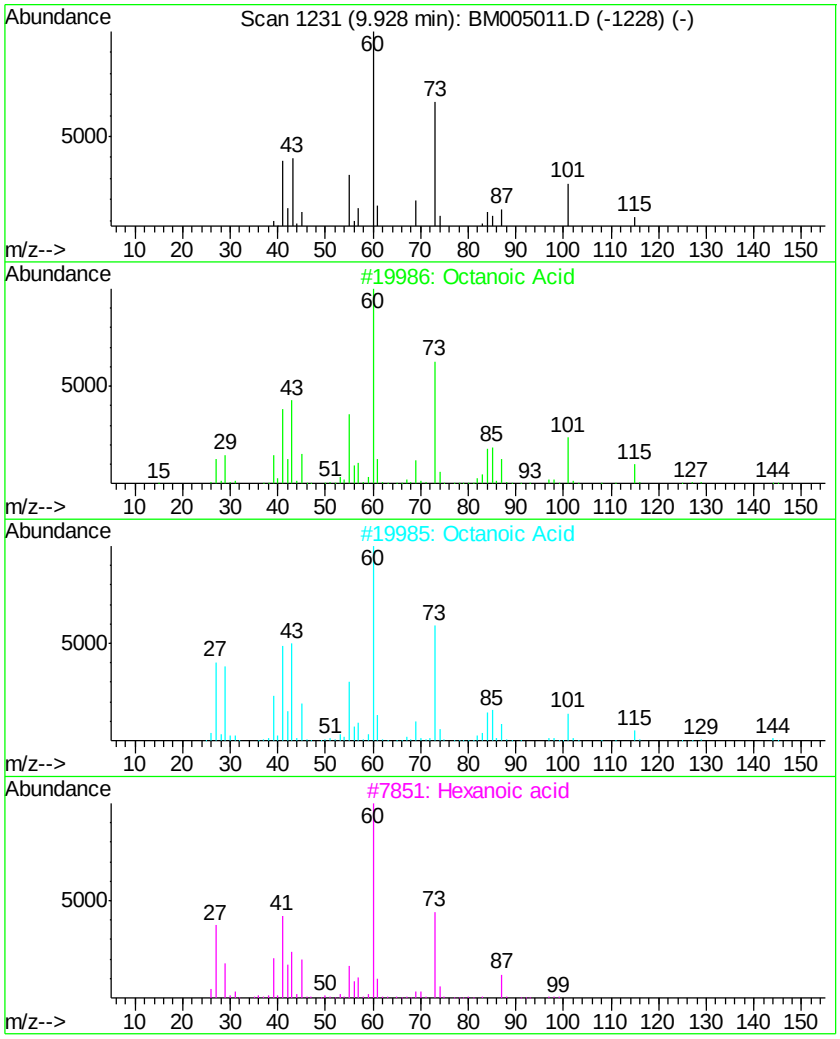
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

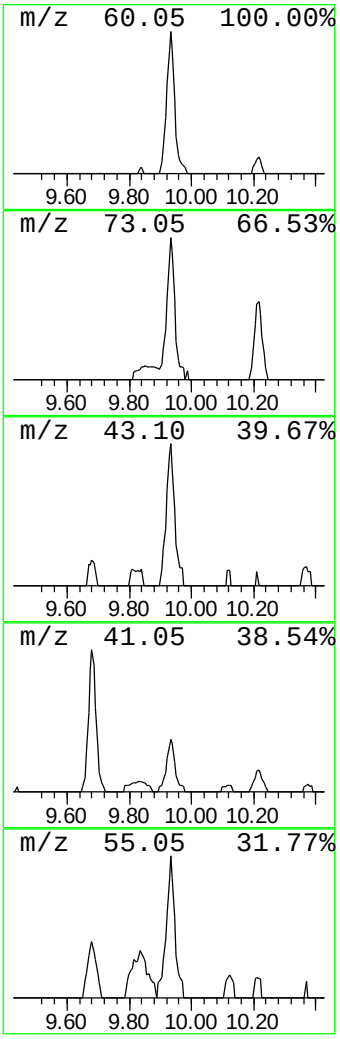
****

Peak Number 5 Octanoic Acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.93	3.17 ng/ul	73488	Naphthalene-d8	10.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanoic Acid	144	C8H16O2	000124-07-2	90
2	Octanoic Acid	144	C8H16O2	000124-07-2	72
3	Hexanoic acid	116	C6H12O2	000142-62-1	53
4	Octanoic Acid	144	C8H16O2	000124-07-2	50
5	Hexanoic acid	116	C6H12O2	000142-62-1	42





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005011.D
Acq On : 21 Apr 2016 04:09
Operator : UM/SJ
Sample : H2567-25
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7R3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

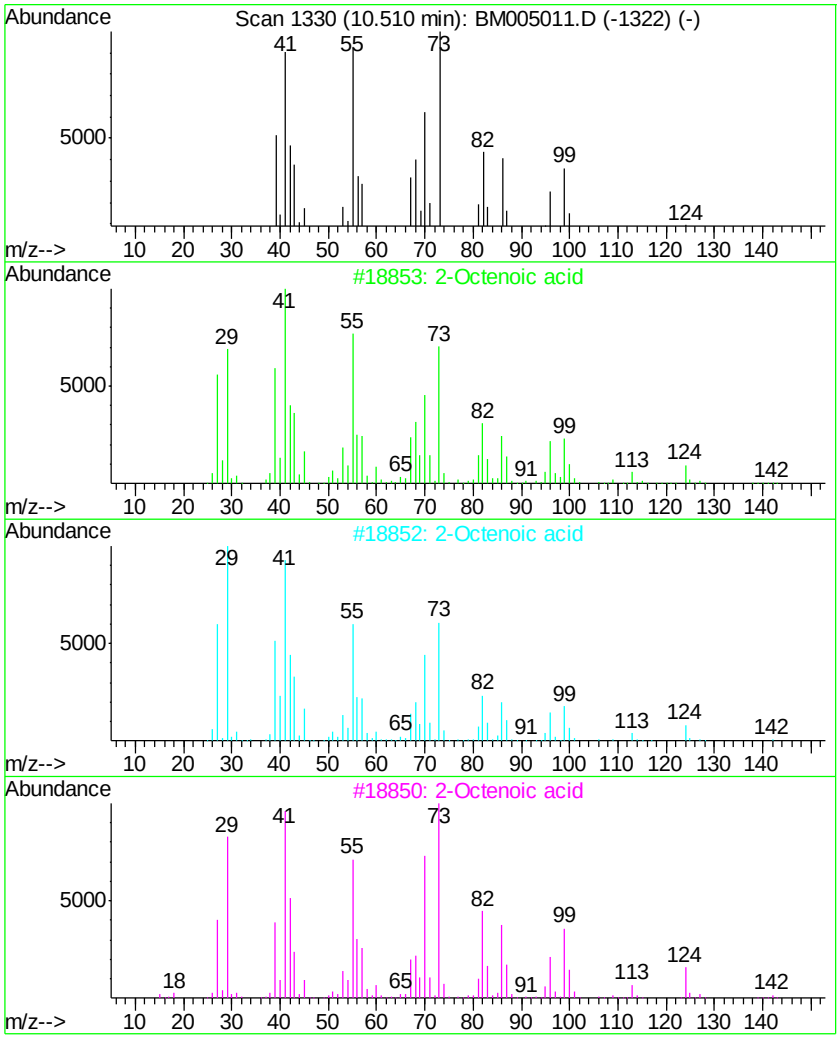
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

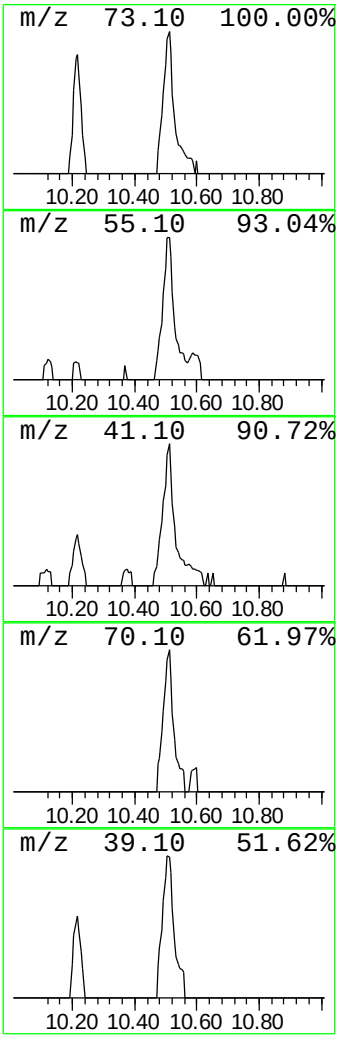
****

Peak Number 6 2-Octenoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.51	3.42 ng/ul	79322	Naphthalene-d8	10.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octenoic acid	142	C8H14O2	001470-50-4	90
2	2-Octenoic acid	142	C8H14O2	001470-50-4	72
3	2-Octenoic acid	142	C8H14O2	001470-50-4	64
4	2-Octenoic acid, (E)-	142	C8H14O2	001871-67-6	64
5	2-Octenoic acid, (E)-	142	C8H14O2	001871-67-6	38





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Acq On : 21 Apr 2016 04:09
Operator : UM/SJ
Sample : H2567-25
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7R3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

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

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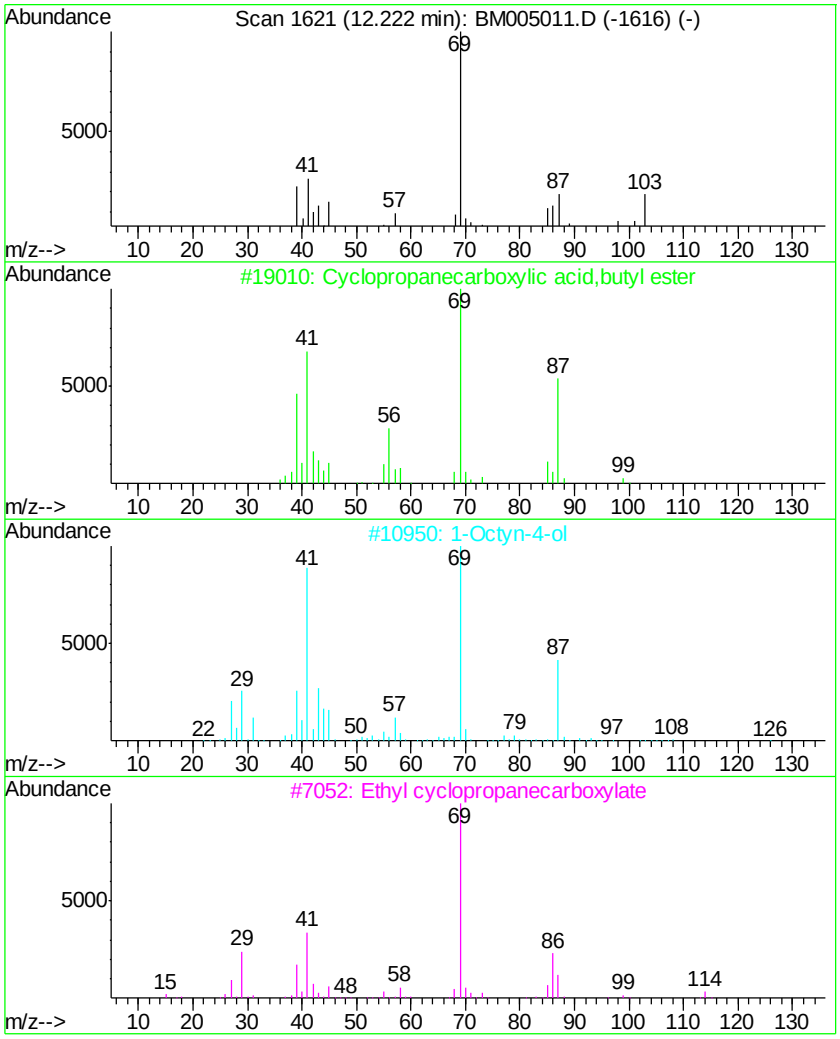
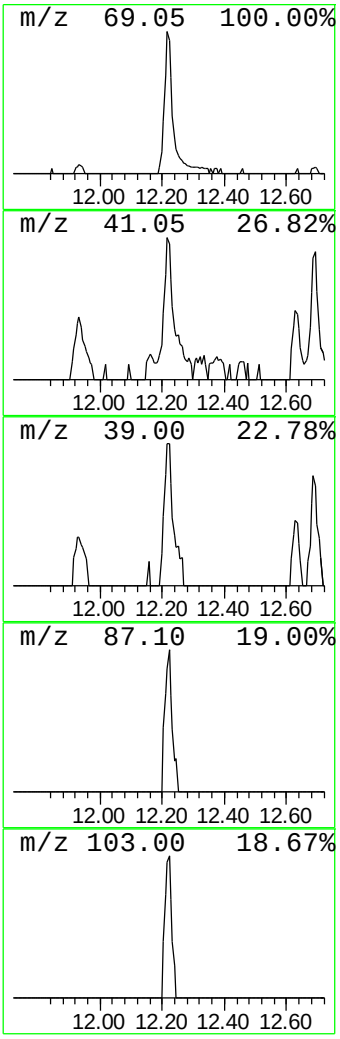
Peak Number 7 Cyclopropanecarboxylic acid... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	2.26 ng/ul	52290	Naphthalene-d8	10.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropanecarboxylic acid,buty...	142	C8H14O2	054947-39-6	53
2	1-Octyn-4-ol	126	C8H14O	052517-92-7	40
3	Ethyl cyclopropanecarboxylate	114	C6H10O2	004606-07-9	36
4	Ethyl cyclopropanecarboxylate	114	C6H10O2	004606-07-9	33
5	3-Heptanol, 2,2-dimethyl-	144	C9H20O	019549-70-3	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005011.D
Acq On : 21 Apr 2016 04:09
Operator : UM/SJ
Sample : H2567-25
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7R3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

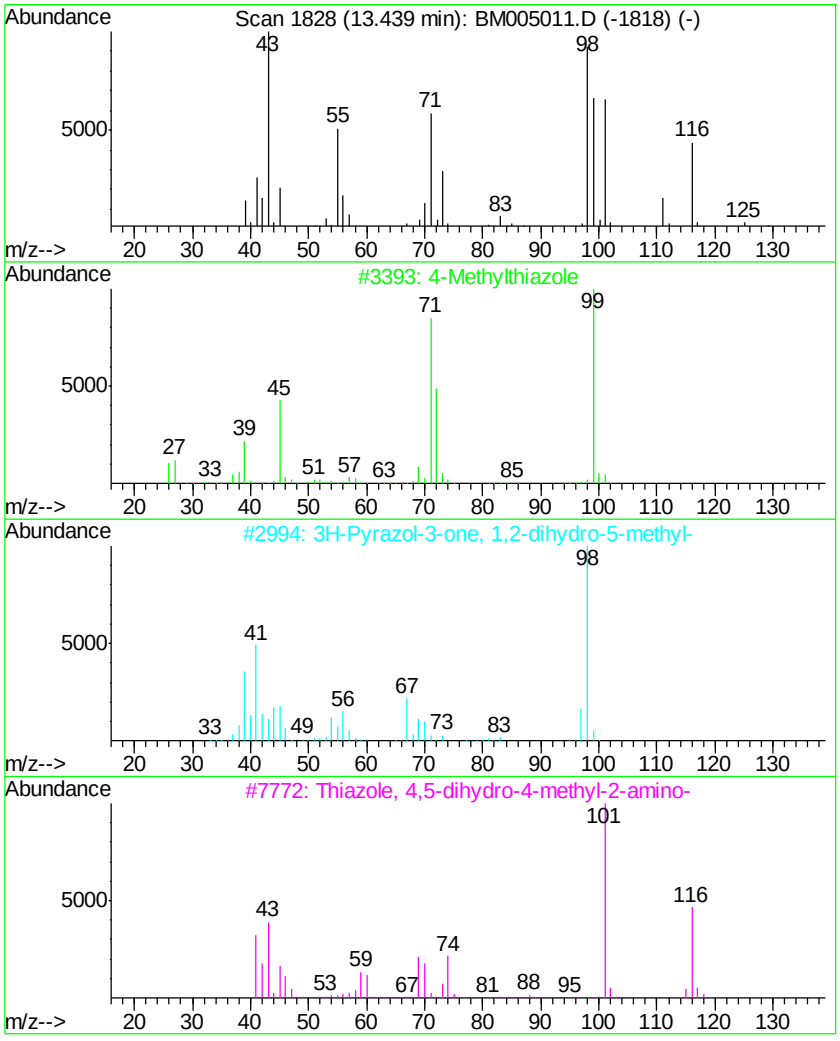
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

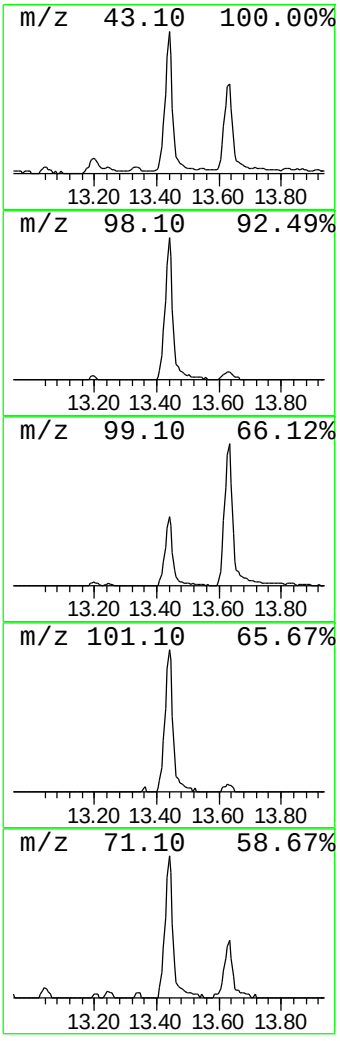
****

Peak Number 8 unknown-01 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.44	8.09 ng/ul	257827	Acenaphthene-d10	14.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylthiazole	99	C4H5NS	000693-95-8	22
2	3H-Pyrazol-3-one, 1,2-dihydro-5-...	98	C4H6N2O	004344-87-0	22
3	Thiazole, 4,5-dihydro-4-methyl-2...	116	C4H8N2S	010416-81-6	22
4	Hexanoic acid, anhydride	214	C12H22O3	002051-49-2	18
5	2-Ethyl-n-butyric acid ethyl ester	144	C8H16O2	002983-38-2	16





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005011.D
Acq On : 21 Apr 2016 04:09
Operator : UM/SJ
Sample : H2567-25
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7R3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

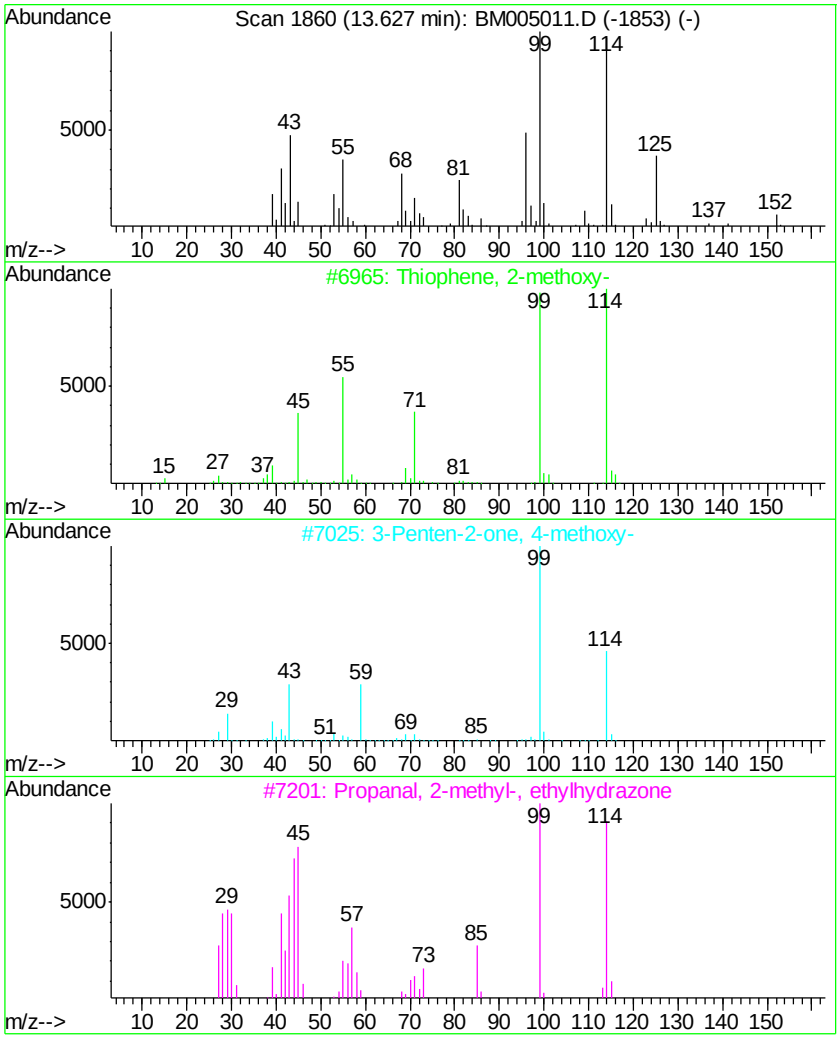
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

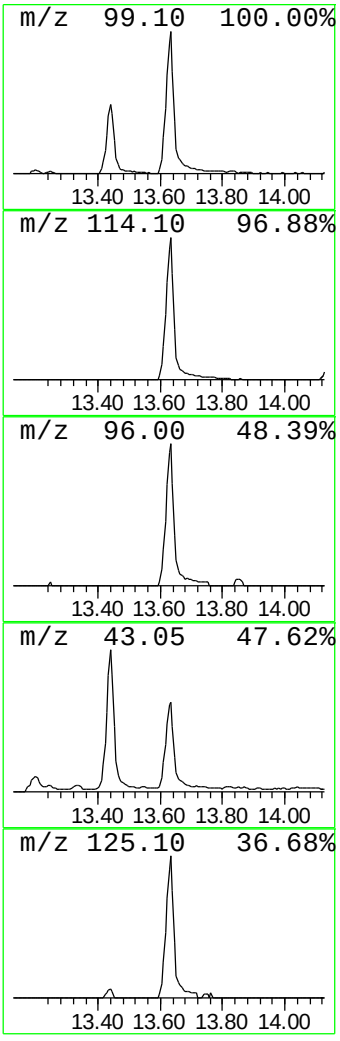
****

Peak Number 9 unknown-02 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	11.43 ng/ul	364058	Acenaphthene-d10	14.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2-methoxy-	114	C5H6OS	016839-97-7	47
2	3-Penten-2-one, 4-methoxy-	114	C6H10O2	002845-83-2	47
3	Propanal, 2-methyl-, ethylhydrazone	114	C6H14N2	020607-77-6	38
4	4,5-Dihydro-3-furoic acid	114	C5H6O3	098021-62-6	32
5	4,8,12-Trimethyltridecan-4-olide	254	C16H30O2	220904-24-5	27





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005011.D
Acq On : 21 Apr 2016 04:09
Operator : UM/SJ
Sample : H2567-25
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7R3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Hexanal	4.39	2.1	ng/ul	31698	1	7.80	295667	20.0
Heptanoic acid	8.40	6.0	ng/ul	88610	1	7.80	295667	20.0
Octanoic Acid	9.93	3.2	ng/ul	73488	2	10.60	463416	20.0
2-Octenoic acid	10.51	3.4	ng/ul	79322	2	10.60	463416	20.0
Cyclopropanecarbo...	12.22	2.3	ng/ul	52290	2	10.60	463416	20.0
unknown-01	13.44	8.1	ng/ul	257827	3	14.45	637232	20.0
unknown-02	13.63	11.4	ng/ul	364058	3	14.45	637232	20.0