LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102517\
Data File : BM012473.D
Acq On : 26 Oct 2017 15:26
Operator : SJ/JU
Sample : I5882-01DL 50X
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DAHH0DL

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-BM102417.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 | 7.875 | 806 | 814 | 820 | rBV | 2088698 | 3357416 | 8.10% | 4.163% |
| 2 | 7.940 | 820 | 825 | 831 | rVB | 545947 | 801626 | 1.93% | 0.994% |
| 3 | 8.099 | 845 | 852 | 857 | rBV | 424106 | 672845 | 1.62% | 0.834% |
| 4 | 8.305 | 882 | 887 | 892 | rBV | 635086 | 989466 | 2.39% | 1.227% |
| 5 | 9.169 | 1027 | 1034 | 1040 | rBV | 285987 | 493613 | 1.19% | 0.612% |
| 6 | 10.669 | 1282 | 1289 | 1296 | rBV | 2914444 | 4914505 | 11.86% | 6.093% |
| 7 | 14.510 | 1934 | 1942 | 1949 | rBV2 | 3962479 | 6206182 | 14.97% | 7.695% |
| 8 | 15.128 | 2042 | 2047 | 2059 | rVB | 2348106 | 3457141 | 8.34% | 4.286% |
| 9 | 16.904 | 2342 | 2349 | 2365 | rBV | 29153505 | 41443705 | 100.00% | 51.383% |
| 10 | 17.251 | 2401 | 2408 | 2413 | rBV | 4692897 | 6614853 | 15.96% | 8.201% |
| 11 | 21.416 | 3111 | 3116 | 3121 | rBV | 4627007 | 5774600 | 13.93% | 7.160% |
| 12 | 23.721 | 3503 | 3508 | 3516 | rVB | 3127017 | 5930295 | 14.31% | 7.353% |

Sum of corrected areas: 80656247

LSC Report - Integrated Chromatogram

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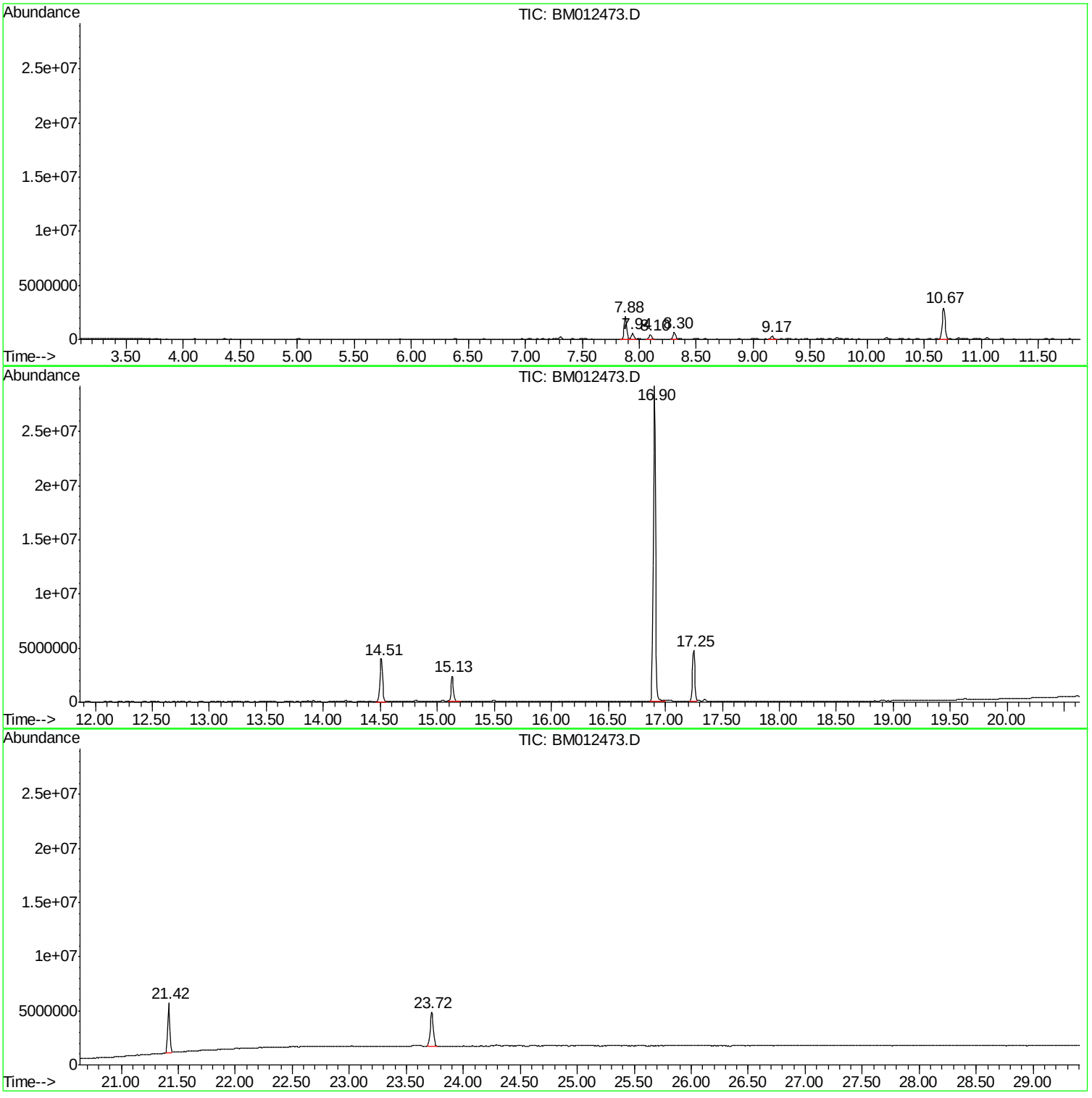
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DAHH0DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102517\
Data File : BM012473.D
Acq On : 26 Oct 2017 15:26
Operator : SJ/JU
Sample : I5882-01DL 50X
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DAHH0DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

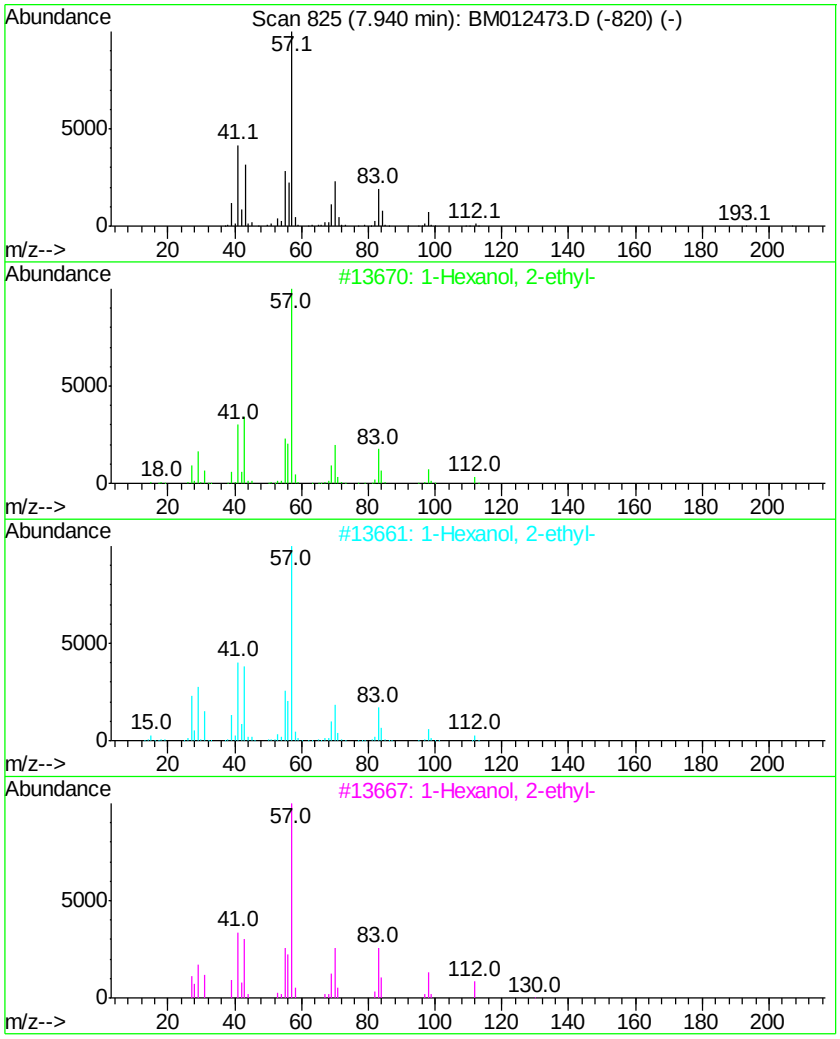
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

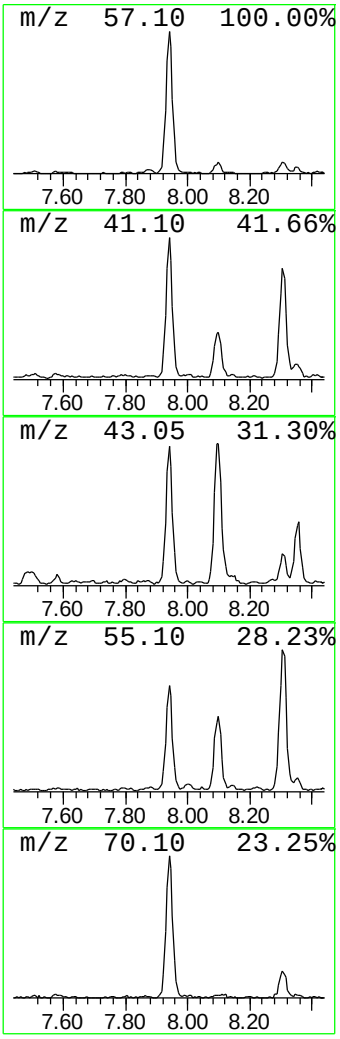
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.94 | 4.78 ng/ul | 801626 | 1,4-Dichlorobenzene-d4 | 7.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Hexanol, 2-ethyl- | 130 | C8H18O | 000104-76-7 | 78 |
| 2 | 1-Hexanol, 2-ethyl- | 130 | C8H18O | 000104-76-7 | 74 |
| 3 | 1-Hexanol, 2-ethyl- | 130 | C8H18O | 000104-76-7 | 74 |
| 4 | 1-Hexanol, 2-ethyl- | 130 | C8H18O | 000104-76-7 | 64 |
| 5 | Heptane, 1,1'-oxybis- | 214 | C14H30O | 000629-64-1 | 59 |



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Operator : SJ/JU
Sample : I5882-01DL 50X
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DAHH0DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

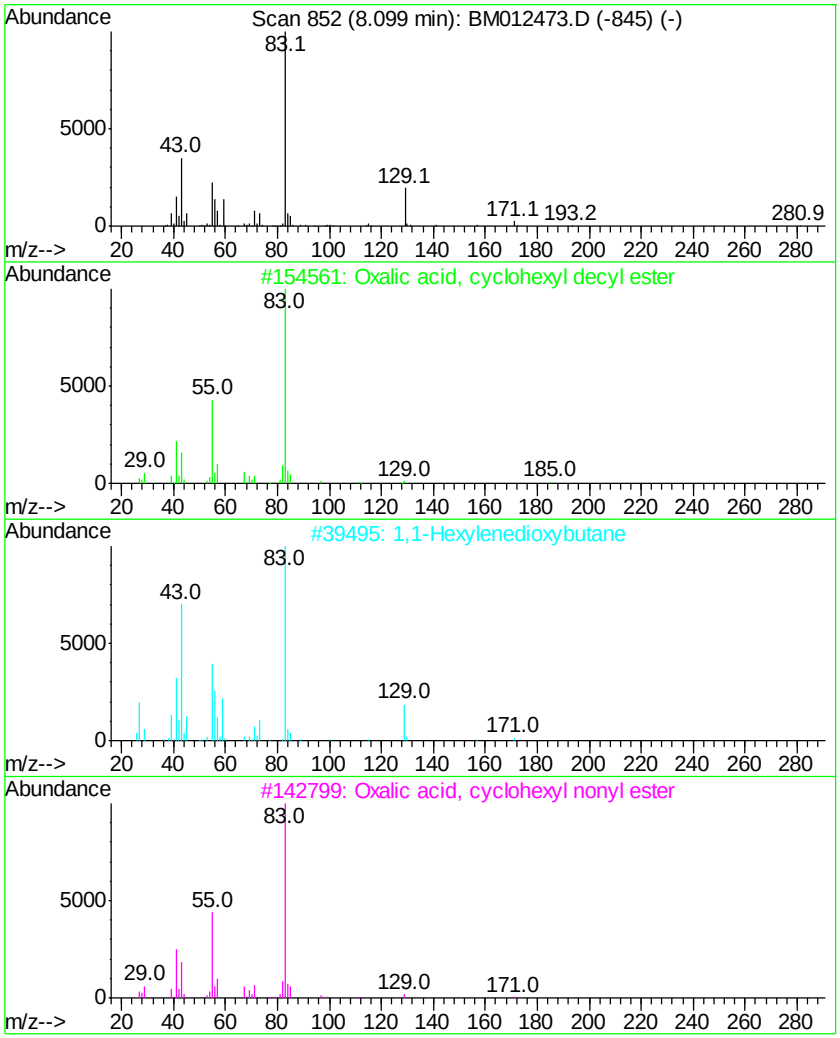
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

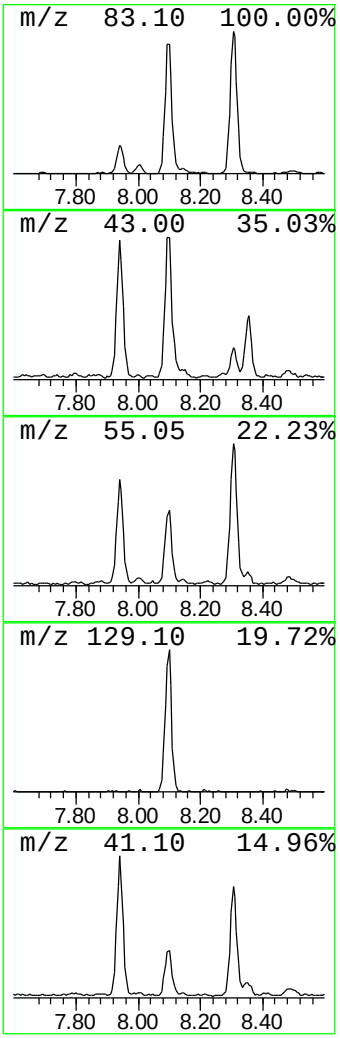
**********

Peak Number 2 Oxalic acid, cyclohexyl dec... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.10 | 4.01 ng/ul | 672845 | 1,4-Dichlorobenzene-d4 | 7.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Oxalic acid, cyclohexyl decyl ester | 312 | C18H32O4 | 1000309-31-2 | 50 |
| 2 | 1,1-Hexylenedioxybutane | 172 | C10H20O2 | 1000249-77-4 | 43 |
| 3 | Oxalic acid, cyclohexyl nonyl ester | 298 | C17H30O4 | 1000309-31-1 | 40 |
| 4 | Oxalic acid, cyclohexyl octyl ester | 284 | C16H28O4 | 1000309-31-0 | 38 |
| 5 | Pentanoic acid, 2,4-dimethyl-4-n... | 189 | C8H15NO4 | 005762-40-3 | 38 |



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Acq On : 26 Oct 2017 15:26
Operator : SJ/JU
Sample : I5882-01DL 50X
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DAHH0DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

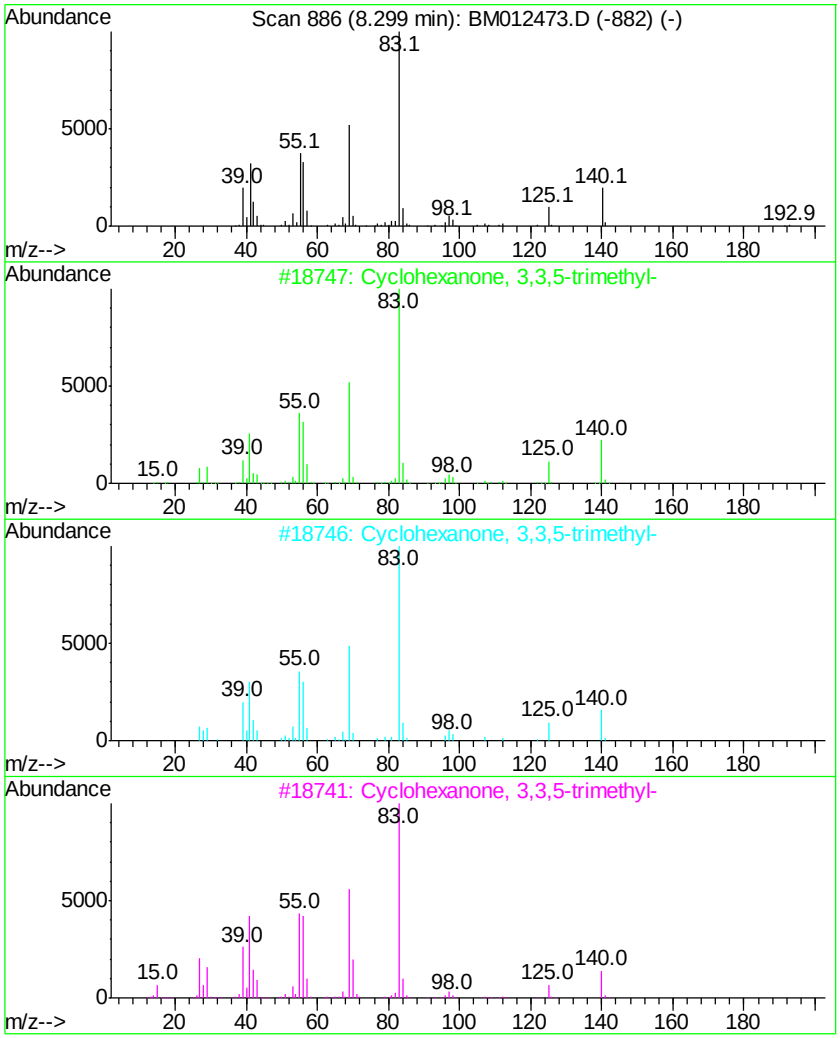
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

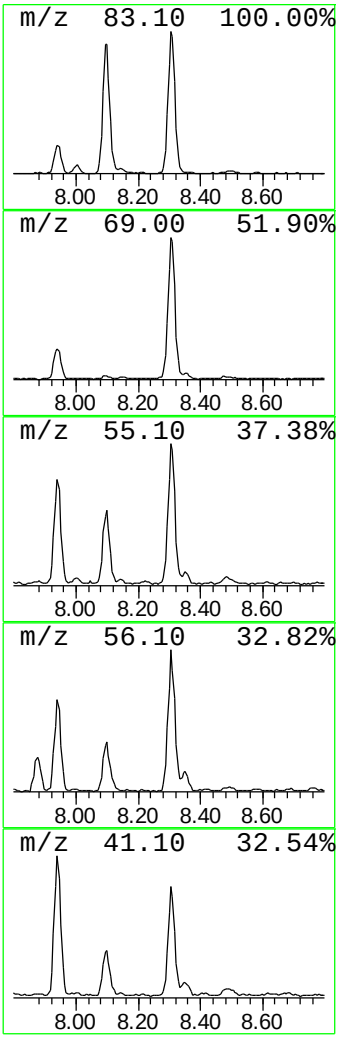
**********

Peak Number 3 Cyclohexanone, 3,3,5-trimet... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.30 | 5.89 ng/ul | 989466 | 1,4-Dichlorobenzene-d4 | 7.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexanone, 3,3,5-trimethyl- | 140 | C9H16O | 000873-94-9 | 96 |
| 2 | Cyclohexanone, 3,3,5-trimethyl- | 140 | C9H16O | 000873-94-9 | 95 |
| 3 | Cyclohexanone, 3,3,5-trimethyl- | 140 | C9H16O | 000873-94-9 | 91 |
| 4 | Cyclohexanone, 3,3,5-trimethyl- | 140 | C9H16O | 000873-94-9 | 90 |
| 5 | 1,3-Cyclohexanedione, 5,5-dimethyl- | 140 | C8H12O2 | 000126-81-8 | 59 |



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Operator : SJ/JU
Sample : I5882-01DL 50X
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DAHH0DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

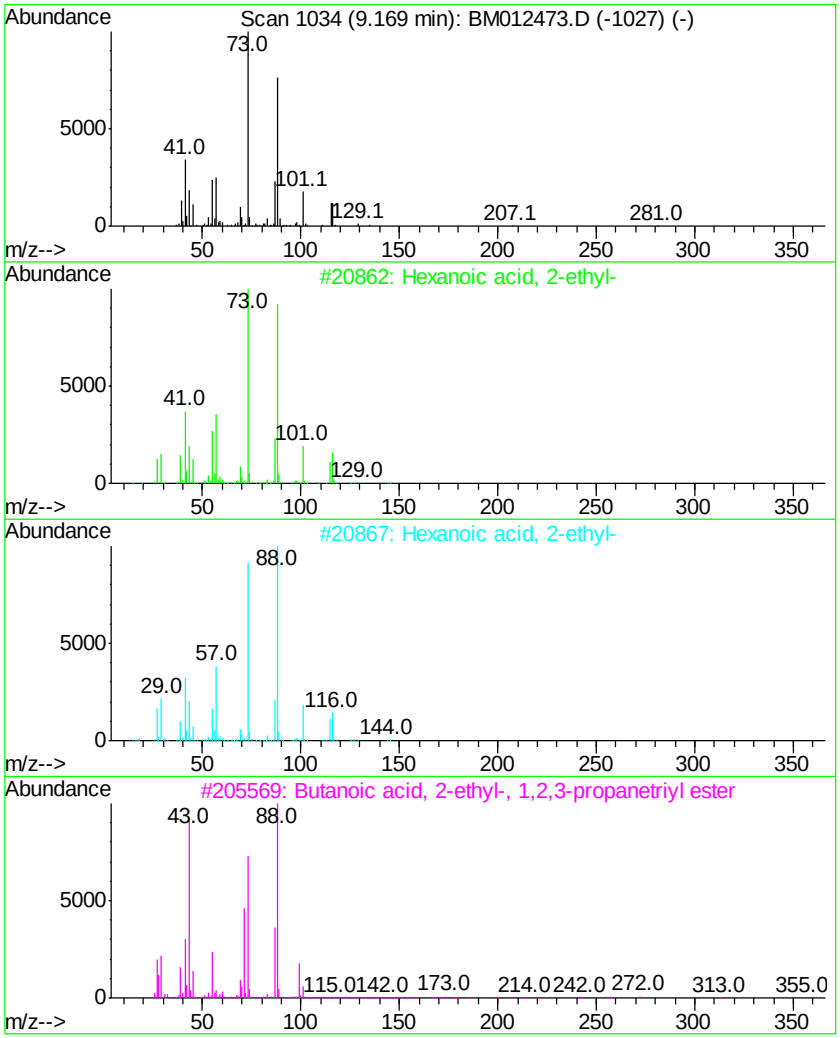
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

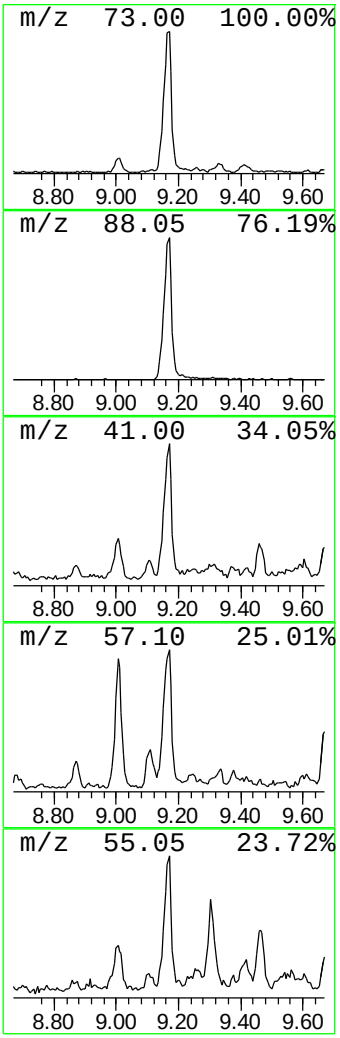
**********

Peak Number 4 Hexanoic acid, 2-ethyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.17 | 2.94 ng/ul | 493613 | 1,4-Dichlorobenzene-d4 | 7.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexanoic acid, 2-ethyl- | 144 | C8H16O2 | 000149-57-5 | 86 |
| 2 | Hexanoic acid, 2-ethyl- | 144 | C8H16O2 | 000149-57-5 | 59 |
| 3 | Butanoic acid, 2-ethyl-, 1,2,3-p... | 386 | C21H38O6 | 056554-54-2 | 59 |
| 4 | Octanoic acid, 2-methyl-, methyl... | 172 | C10H20O2 | 002177-86-8 | 47 |
| 5 | 1,4-Dioxane | 88 | C4H8O2 | 000123-91-1 | 43 |



Tentatively Identified Compound (LSC) summary

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Operator : SJ/JU
Sample : I5882-01DL 50X
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DAHH0DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
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 |
| 1-Hexanol, 2-ethyl- | 7.94 | 4.8 | ng/ul | 801626 | 1 | 7.88 | 3357420 | 20.0 |
| Oxalic acid, cycl... | 8.10 | 4.0 | ng/ul | 672845 | 1 | 7.88 | 3357420 | 20.0 |
| Cyclohexanone, 3,... | 8.30 | 5.9 | ng/ul | 989466 | 1 | 7.88 | 3357420 | 20.0 |
| Hexanoic acid, 2-... | 9.17 | 2.9 | ng/ul | 493613 | 1 | 7.88 | 3357420 | 20.0 |