LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012617\
Data File : BM008900.D
Acq On : 27 Jan 2017 06:57
Operator : SJ/MA
Sample : I1426-19
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BDMY7

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-BM012317.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 | 2.716 | 20 | 22 | 27 | rVB4 | 16043 | 20731 | 1.16% | 0.082% |
| 2 | 2.834 | 38 | 42 | 47 | rVB | 64035 | 78618 | 4.39% | 0.312% |
| 3 | 2.916 | 52 | 56 | 60 | rVV2 | 75037 | 98723 | 5.51% | 0.392% |
| 4 | 2.963 | 60 | 64 | 71 | rVB | 249630 | 283074 | 15.81% | 1.124% |
| 5 | 3.046 | 73 | 78 | 82 | rBV2 | 104013 | 132715 | 7.41% | 0.527% |
| 6 | 3.387 | 132 | 136 | 139 | rBV3 | 22013 | 28008 | 1.56% | 0.111% |
| 7 | 3.869 | 213 | 218 | 228 | rVB | 116904 | 167482 | 9.36% | 0.665% |
| 8 | 5.392 | 472 | 477 | 483 | rVB2 | 19985 | 28654 | 1.60% | 0.114% |
| 9 | 5.528 | 495 | 500 | 507 | rVB2 | 22593 | 40981 | 2.29% | 0.163% |
| 10 | 6.175 | 606 | 610 | 615 | rBV4 | 12617 | 19723 | 1.10% | 0.078% |
| 11 | 6.257 | 620 | 624 | 637 | rVB7 | 18460 | 61594 | 3.44% | 0.244% |
| 12 | 6.416 | 645 | 651 | 659 | rBV3 | 40039 | 67245 | 3.76% | 0.267% |
| 13 | 6.516 | 659 | 668 | 672 | rBV3 | 44086 | 84138 | 4.70% | 0.334% |
| 14 | 6.657 | 687 | 692 | 696 | rVB4 | 12208 | 22147 | 1.24% | 0.088% |
| 15 | 6.716 | 696 | 702 | 707 | rBV4 | 26986 | 44413 | 2.48% | 0.176% |
| 16 | 6.898 | 728 | 733 | 738 | rVB4 | 15393 | 23624 | 1.32% | 0.094% |
| 17 | 7.075 | 754 | 763 | 776 | rBV2 | 472384 | 853230 | 47.66% | 3.386% |
| 18 | 7.251 | 787 | 793 | 802 | rVB | 272934 | 437367 | 24.43% | 1.736% |
| 19 | 7.451 | 820 | 827 | 835 | rBV | 449378 | 696056 | 38.88% | 2.763% |
| 20 | 7.928 | 897 | 908 | 914 | rBV | 463829 | 763852 | 42.67% | 3.032% |
| 21 | 8.616 | 1019 | 1025 | 1032 | rBV | 454218 | 709943 | 39.66% | 2.818% |
| 22 | 9.086 | 1098 | 1105 | 1114 | rVB | 453822 | 750536 | 41.92% | 2.979% |
| 23 | 9.463 | 1162 | 1169 | 1173 | rVB4 | 13729 | 22514 | 1.26% | 0.089% |
| 24 | 9.810 | 1221 | 1228 | 1235 | rBV | 395975 | 644640 | 36.01% | 2.559% |
| 25 | 10.339 | 1311 | 1318 | 1325 | rBV | 526133 | 846575 | 47.29% | 3.360% |
| 26 | 10.727 | 1378 | 1384 | 1391 | rVB | 579444 | 945735 | 52.83% | 3.754% |
| 27 | 10.863 | 1401 | 1407 | 1417 | rBV2 | 307129 | 519419 | 29.01% | 2.062% |
| 28 | 13.968 | 1927 | 1935 | 1939 | rBV | 841951 | 1166145 | 65.14% | 4.628% |
| 29 | 14.010 | 1939 | 1942 | 1947 | rVB | 169873 | 220756 | 12.33% | 0.876% |
| 30 | 14.257 | 1978 | 1984 | 1991 | rVB | 821889 | 1176081 | 65.69% | 4.668% |
| 31 | 14.439 | 2008 | 2015 | 2018 | rBV3 | 15992 | 22375 | 1.25% | 0.089% |
| 32 | 14.562 | 2029 | 2036 | 2043 | rVB | 805157 | 1150653 | 64.27% | 4.567% |
| 33 | 14.745 | 2059 | 2067 | 2076 | rBV | 470290 | 685311 | 38.28% | 2.720% |
| 34 | 14.957 | 2094 | 2103 | 2107 | rBV3 | 67029 | 92613 | 5.17% | 0.368% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012617\
Data File : BM008900.D
Acq On : 27 Jan 2017 06:57
Operator : SJ/MA
Sample : I1426-19
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BDMY7

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-BM012317.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 15.392 | 2172 | 2177 | 2183 | rVB | 38670 | 53937 | 3.01% | 0.214% |
| 36 | 15.557 | 2198 | 2205 | 2211 | rBV | 1019772 | 1506230 | 84.14% | 5.978% |
| 37 | 15.662 | 2216 | 2223 | 2235 | rBV | 413429 | 561928 | 31.39% | 2.230% |
| 38 | 15.792 | 2240 | 2245 | 2249 | rVB5 | 20084 | 35150 | 1.96% | 0.140% |
| 39 | 16.251 | 2317 | 2323 | 2331 | rBV2 | 60586 | 100293 | 5.60% | 0.398% |
| 40 | 16.845 | 2416 | 2424 | 2426 | rBV6 | 16202 | 27131 | 1.52% | 0.108% |
| 41 | 17.045 | 2454 | 2458 | 2462 | rBV | 39442 | 44324 | 2.48% | 0.176% |
| 42 | 17.092 | 2462 | 2466 | 2473 | rVB8 | 14565 | 26114 | 1.46% | 0.104% |
| 43 | 17.309 | 2495 | 2503 | 2510 | rBV2 | 944273 | 1385744 | 77.41% | 5.500% |
| 44 | 17.403 | 2513 | 2519 | 2526 | rVV | 1125012 | 1630857 | 91.10% | 6.473% |
| 45 | 18.174 | 2645 | 2650 | 2656 | rBV2 | 130966 | 173622 | 9.70% | 0.689% |
| 46 | 19.327 | 2840 | 2846 | 2854 | rVB8 | 18175 | 46626 | 2.60% | 0.185% |
| 47 | 19.450 | 2861 | 2867 | 2871 | rBV4 | 89625 | 119058 | 6.65% | 0.473% |
| 48 | 19.692 | 2903 | 2908 | 2914 | rBV | 1298797 | 1790244 | 100.00% | 7.105% |
| 49 | 21.162 | 3155 | 3158 | 3164 | rBV5 | 106674 | 142258 | 7.95% | 0.565% |
| 50 | 21.474 | 3206 | 3211 | 3216 | rBV | 1259981 | 1598067 | 89.27% | 6.343% |
| 51 | 23.680 | 3580 | 3586 | 3594 | rVB2 | 840335 | 1655942 | 92.50% | 6.572% |
| 52 | 23.832 | 3606 | 3612 | 3620 | rVB2 | 742545 | 1392376 | 77.78% | 5.526% |

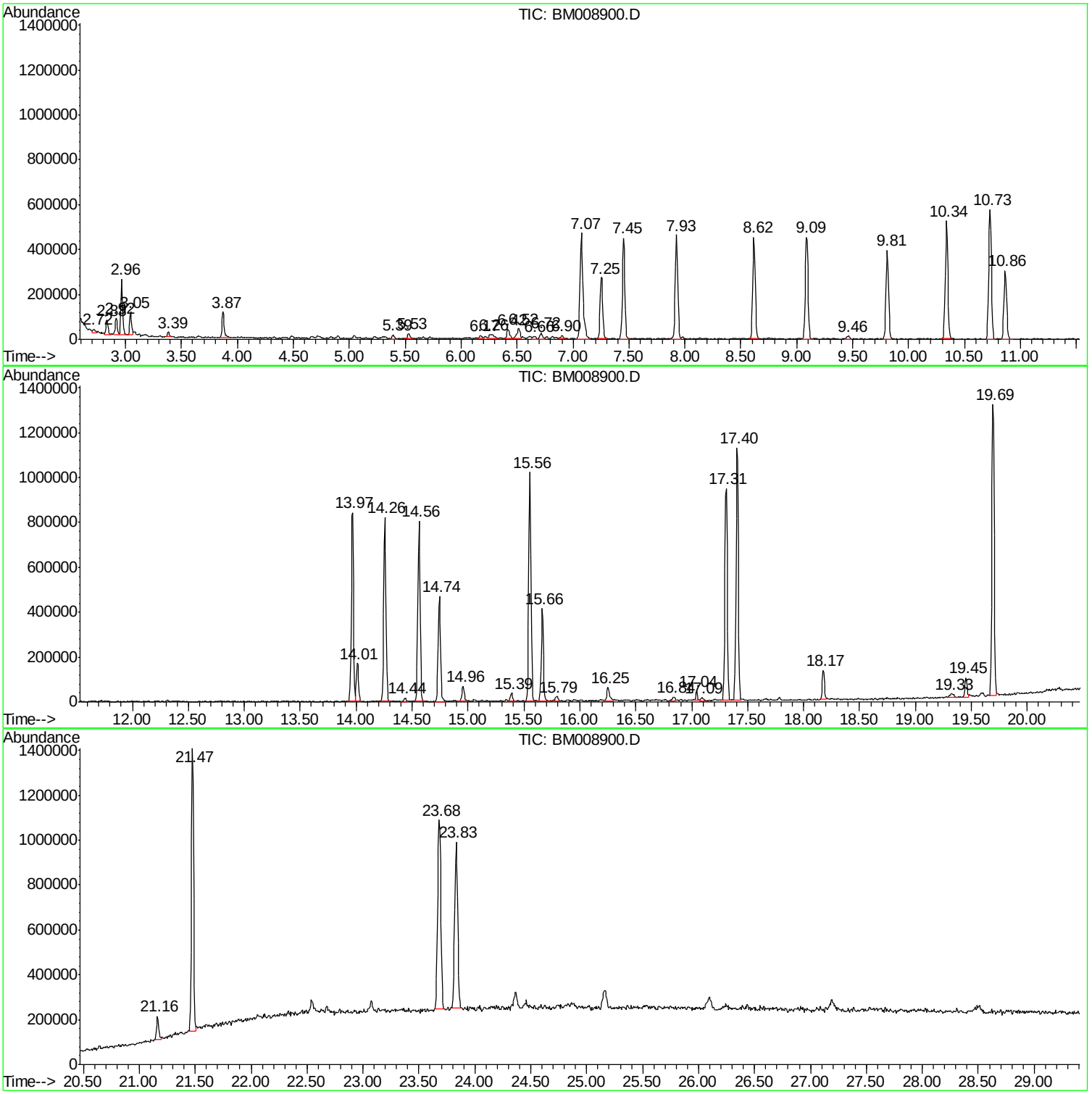
Sum of corrected areas: 25195572

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012617\
Data File : BM008900.D
Acq On : 27 Jan 2017 06:57
Operator : SJ/MA
Sample : I1426-19
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
BDMY7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012317.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012617\
Data File : BM008900.D
Acq On : 27 Jan 2017 06:57
Operator : SJ/MA
Sample : I1426-19
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BDMY7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012317.M
Quant Title : SVOA CALIBRATION

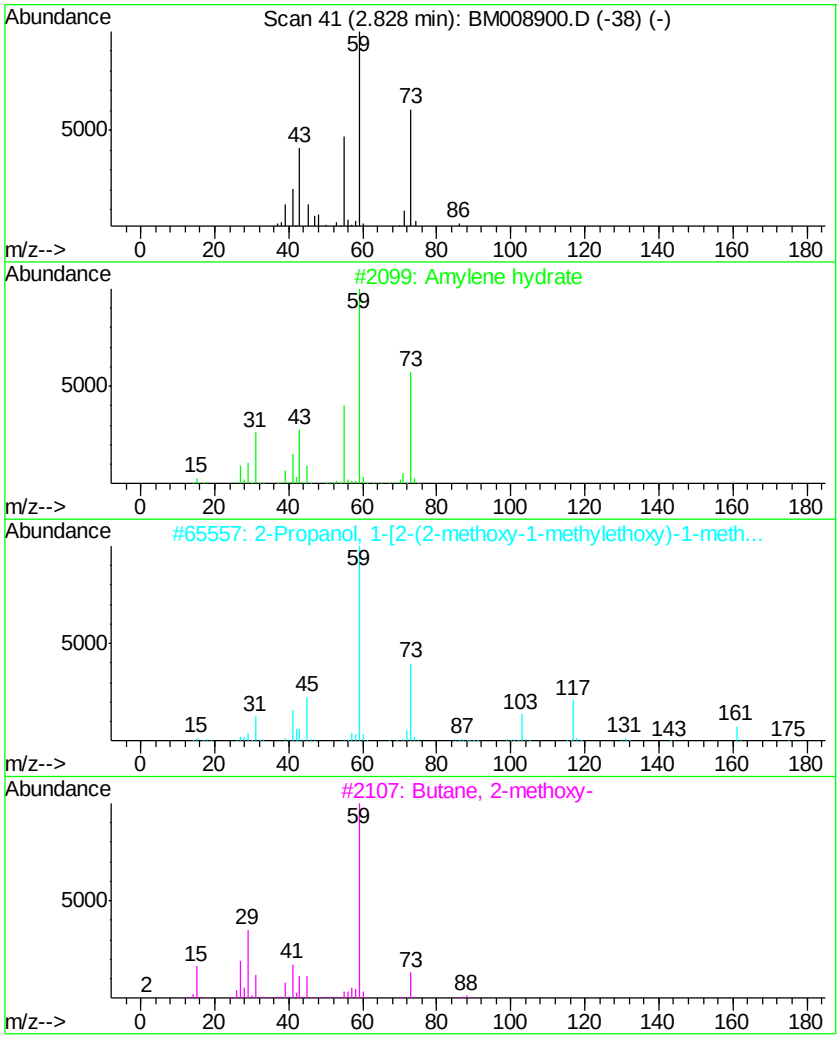
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

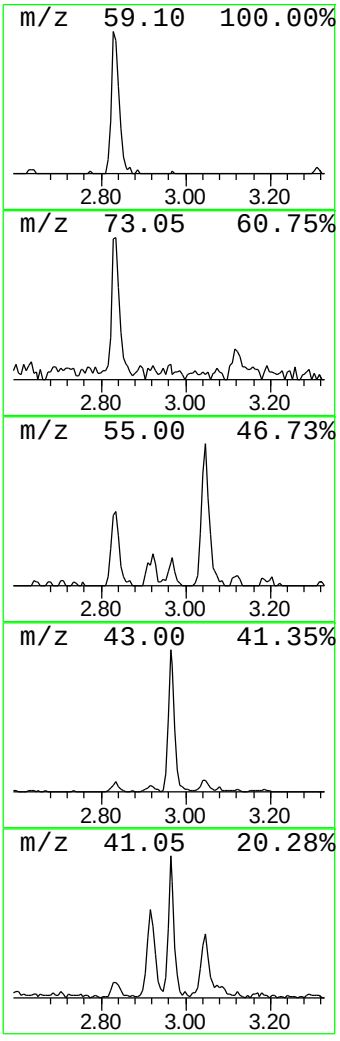
**********

Peak Number 1 Amylene hydrate Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.83 | 2.06 ng/ul | 78618 | 1,4-Dichlorobenzene-d4 | 7.92 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Amylene hydrate | 88 | C5H12O | 000075-85-4 | 64 |
| 2 | 2-Propanol, 1-[2-(2-methoxy-1-me... | 206 | C10H22O4 | 020324-33-8 | 59 |
| 3 | Butane, 2-methoxy- | 88 | C5H12O | 006795-87-5 | 53 |
| 4 | 2,5,8,11-Tetraoxatetradecan-13-o... | 264 | C13H28O5 | 020324-34-9 | 45 |
| 5 | Hydrazine, 1,2-diethyl- | 88 | C4H12N2 | 001615-80-1 | 40 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012617\
Data File : BM008900.D
Acq On : 27 Jan 2017 06:57
Operator : SJ/MA
Sample : I1426-19
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BDMY7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012317.M
Quant Title : SVOA CALIBRATION

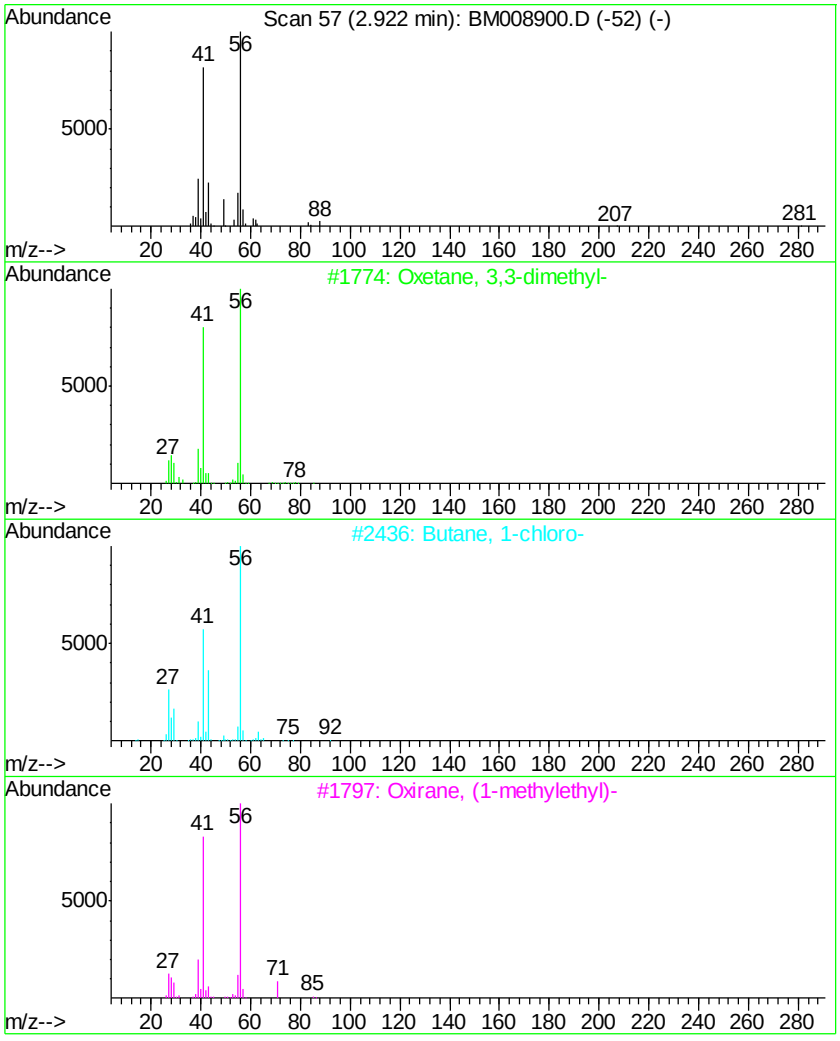
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

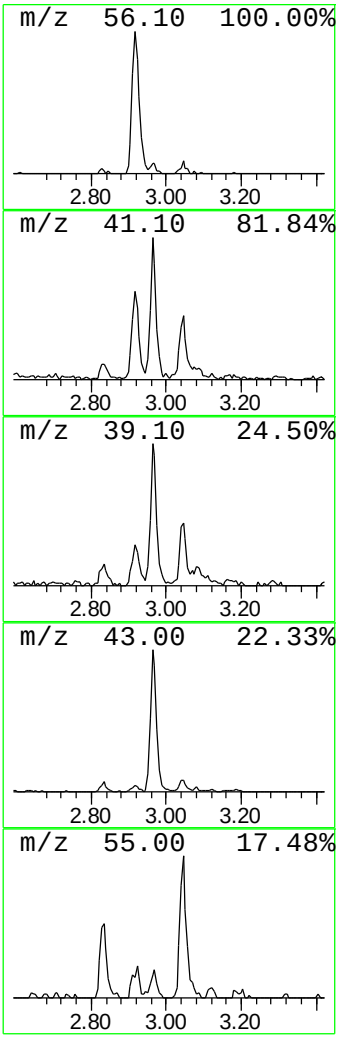
**********

Peak Number 2 Oxetane, 3,3-dimethyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.92 | 2.58 ng/ul | 98723 | 1,4-Dichlorobenzene-d4 | 7.92 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Oxetane, 3,3-dimethyl- | 86 | C5H10O | 006921-35-3 | 64 |
| 2 | Butane, 1-chloro- | 92 | C4H9Cl | 000109-69-3 | 64 |
| 3 | Oxirane, (1-methylethyl)- | 86 | C5H10O | 001438-14-8 | 64 |
| 4 | Butane, 1-chloro- | 92 | C4H9Cl | 000109-69-3 | 53 |
| 5 | 3,4-Dimethyldihydrofuran-2,5-dione | 128 | C6H8O3 | 007475-92-5 | 50 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012617\
Data File : BM008900.D
Acq On : 27 Jan 2017 06:57
Operator : SJ/MA
Sample : I1426-19
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BDMY7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012317.M
Quant Title : SVOA CALIBRATION

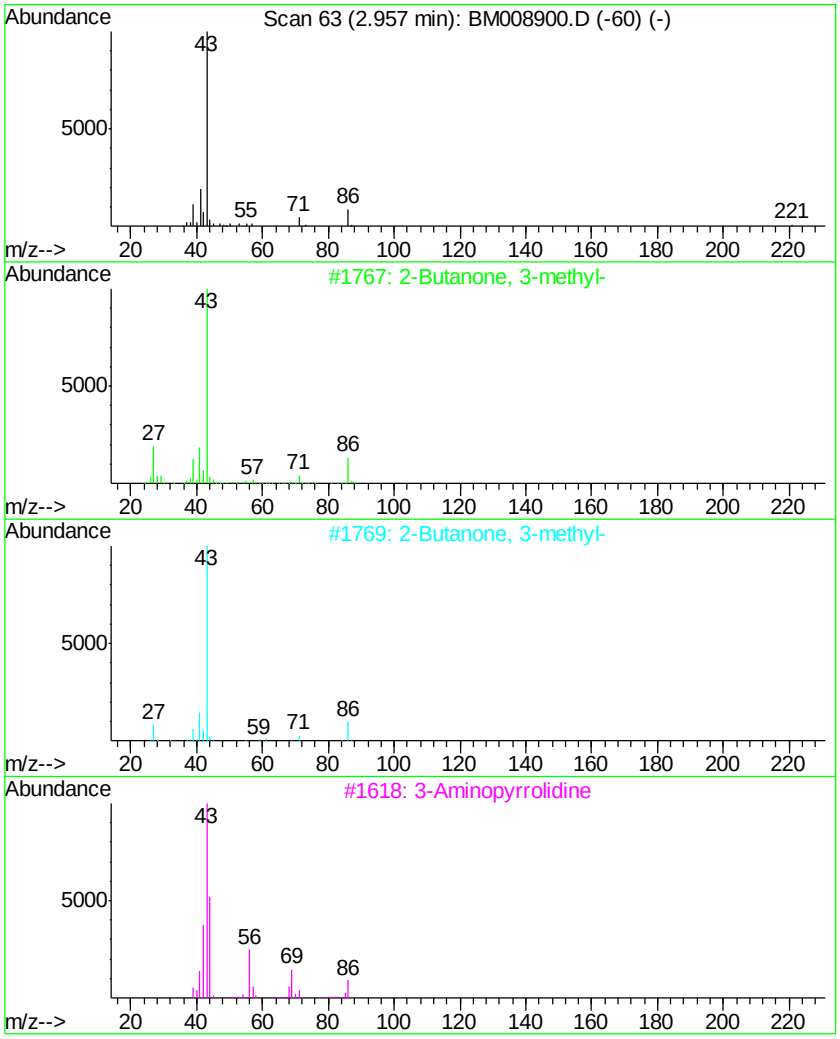
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

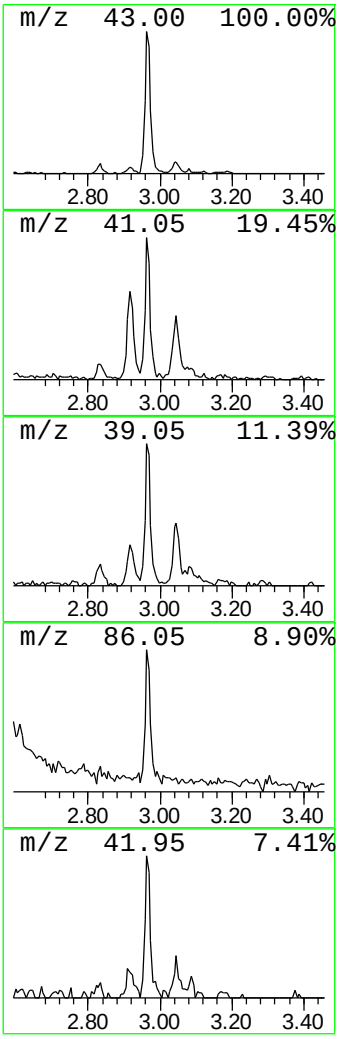
**********

Peak Number 3 unknown-01 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.96 | 7.41 ng/ul | 283074 | 1,4-Dichlorobenzene-d4 | 7.92 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Butanone, 3-methyl- | 86 | C5H10O | 000563-80-4 | 47 |
| 2 | 2-Butanone, 3-methyl- | 86 | C5H10O | 000563-80-4 | 9 |
| 3 | 3-Aminopyrrolidine | 86 | C4H10N2 | 079286-79-6 | 9 |
| 4 | Azetidine, 1-nitroso- | 86 | C3H6N2O | 015216-10-1 | 9 |
| 5 | 2-Pentanone | 86 | C5H10O | 000107-87-9 | 9 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012617\
Data File : BM008900.D
Acq On : 27 Jan 2017 06:57
Operator : SJ/MA
Sample : I1426-19
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BDMY7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012317.M
Quant Title : SVOA CALIBRATION

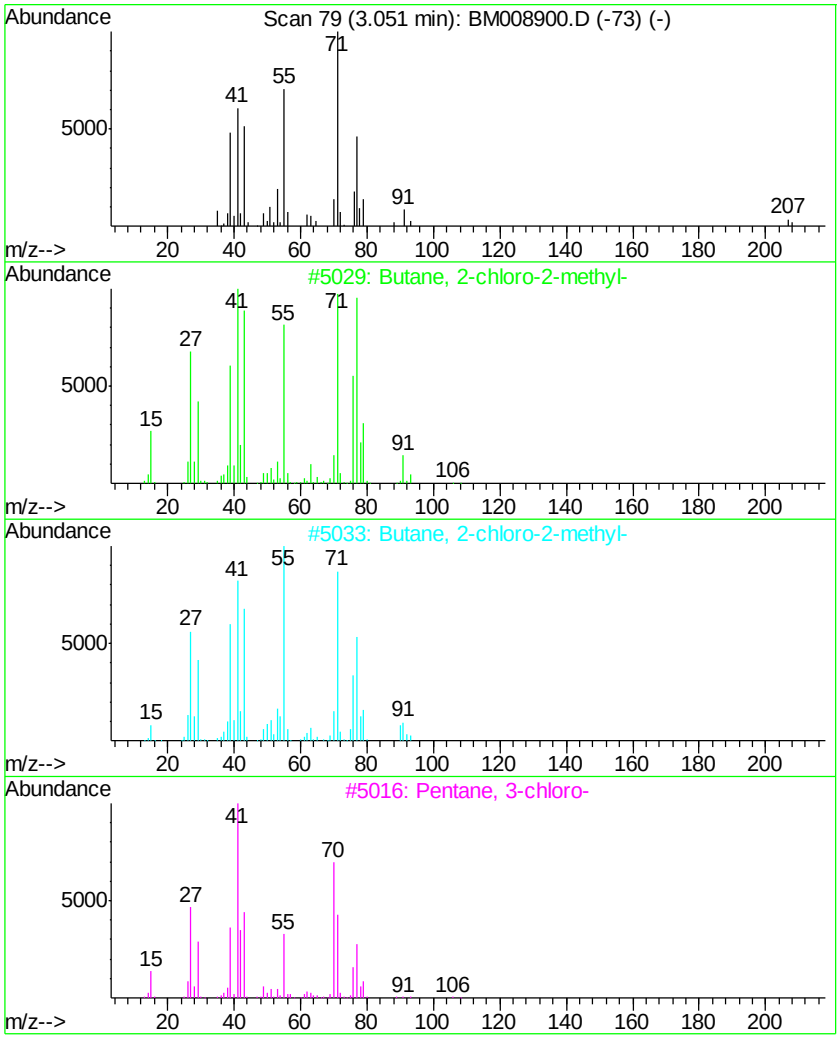
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

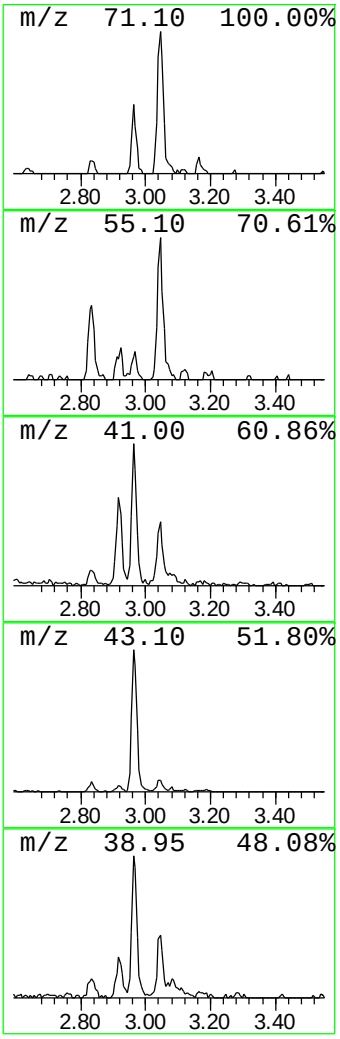
**********

Peak Number 4 unknown-02 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.05 | 3.47 ng/ul | 132715 | 1,4-Dichlorobenzene-d4 | 7.92 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-chloro-2-methyl- | 106 | C5H11Cl | 000594-36-5 | 40 |
| 2 | Butane, 2-chloro-2-methyl- | 106 | C5H11Cl | 000594-36-5 | 38 |
| 3 | Pentane, 3-chloro- | 106 | C5H11Cl | 000616-20-6 | 38 |
| 4 | Trans-3-methylpent-3-ene-5-ol | 100 | C6H12O | 030801-95-7 | 23 |
| 5 | 1-Butene, 3-methyl- | 70 | C5H10 | 000563-45-1 | 22 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012617\
Data File : BM008900.D
Acq On : 27 Jan 2017 06:57
Operator : SJ/MA
Sample : I1426-19
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BDMY7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012317.M
Quant Title : SVOA CALIBRATION

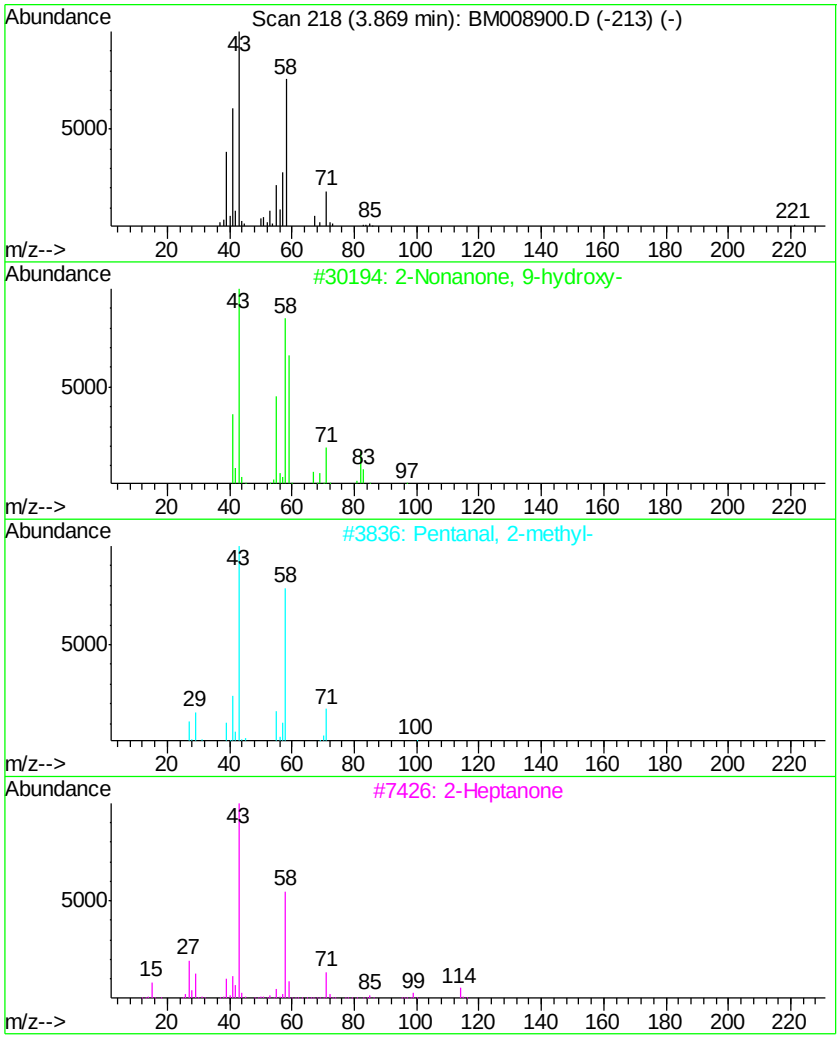
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

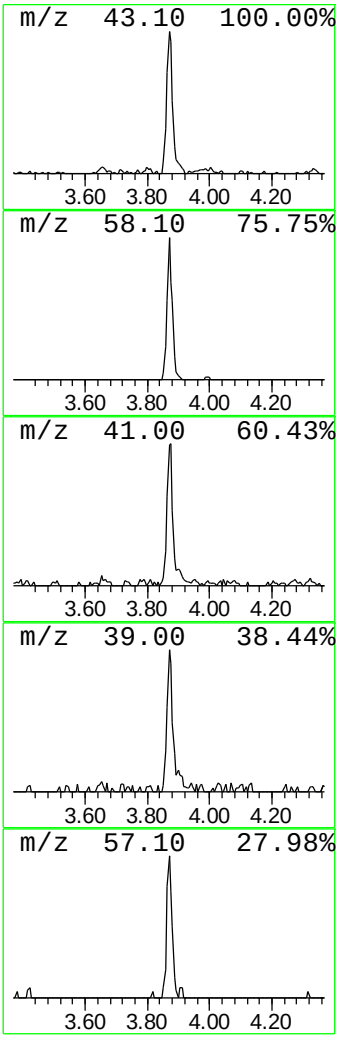
**********

Peak Number 5 unknown-03 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.87 | 4.39 ng/ul | 167482 | 1,4-Dichlorobenzene-d4 | 7.92 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Nonanone, 9-hydroxy- | 158 | C9H18O2 | 025368-56-3 | 43 |
| 2 | Pentanal, 2-methyl- | 100 | C6H12O | 000123-15-9 | 40 |
| 3 | 2-Heptanone | 114 | C7H14O | 000110-43-0 | 40 |
| 4 | S-[2-[N,N-Dimethylamino]ethyl]mo... | 261 | C10H19N3O3S | 1000212-14-3 | 39 |
| 5 | 2-Hexanone, 5-methyl- | 114 | C7H14O | 000110-12-3 | 36 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012617\
Data File : BM008900.D
Acq On : 27 Jan 2017 06:57
Operator : SJ/MA
Sample : I1426-19
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BDMY7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012317.M
Quant Title : SVOA CALIBRATION

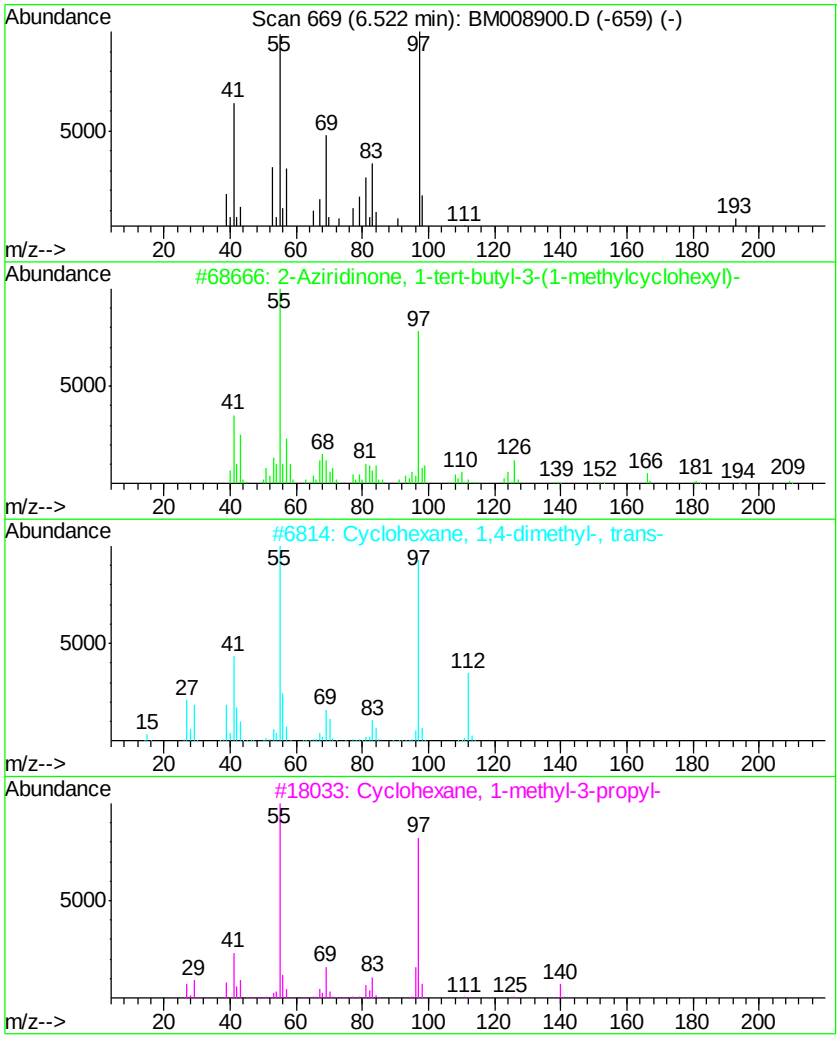
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

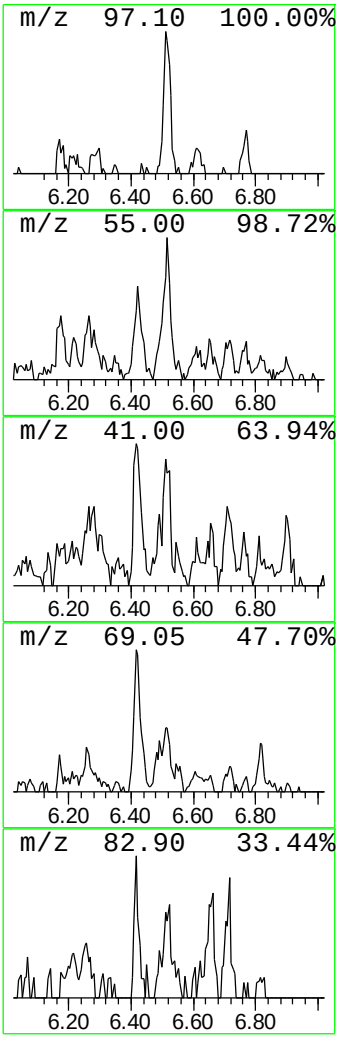
**********

Peak Number 6 2-Aziridinone, 1-tert-butyl... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.52 | 2.20 ng/ul | 84138 | 1,4-Dichlorobenzene-d4 | 7.92 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Aziridinone, 1-tert-butyl-3-(1... | 209 | C13H23NO | 024161-49-7 | 50 |
| 2 | Cyclohexane, 1,4-dimethyl-, trans- | 112 | C8H16 | 002207-04-7 | 42 |
| 3 | Cyclohexane, 1-methyl-3-propyl- | 140 | C10H20 | 004291-80-9 | 40 |
| 4 | Cyclopropane, 3-chloro-1,1,2,2-t... | 132 | C7H13Cl | 014123-41-2 | 40 |
| 5 | Oxalic acid, butyl cyclohexylmet... | 242 | C13H22O4 | 1000309-68-2 | 40 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012617\
Data File : BM008900.D
Acq On : 27 Jan 2017 06:57
Operator : SJ/MA
Sample : I1426-19
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BDMY7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012317.M
Quant Title : SVOA CALIBRATION

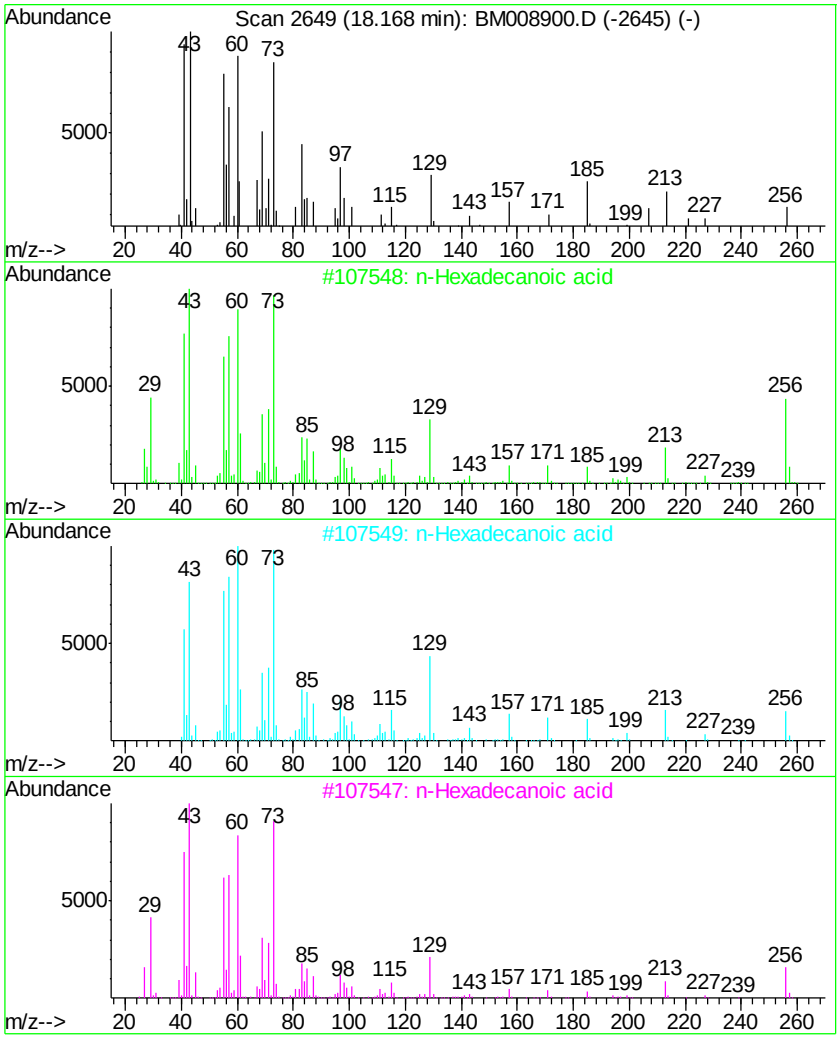
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

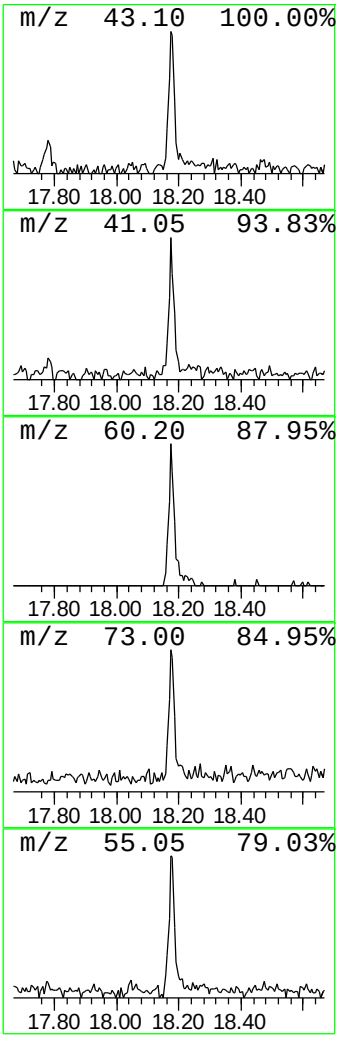
**********

Peak Number 7 n-Hexadecanoic acid Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.17 | 2.51 ng/ul | 173622 | Phenanthrene-d10 | 17.31 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 95 |
| 2 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 89 |
| 3 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 76 |
| 4 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 52 |
| 5 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 50 |



# Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012617\
Data File : BM008900.D
Acq On : 27 Jan 2017 06:57
Operator : SJ/MA
Sample : I1426-19
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BDMY7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012317.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 |
| Amylene hydrate | 2.83 | 2.1 | ng/ul | 78618 | 1 | 7.92 | 763852 | 20.0 |
| Oxetane, 3,3-dime... | 2.92 | 2.6 | ng/ul | 98723 | 1 | 7.92 | 763852 | 20.0 |
| unknown-01 | 2.96 | 7.4 | ng/ul | 283074 | 1 | 7.92 | 763852 | 20.0 |
| unknown-02 | 3.05 | 3.5 | ng/ul | 132715 | 1 | 7.92 | 763852 | 20.0 |
| unknown-03 | 3.87 | 4.4 | ng/ul | 167482 | 1 | 7.92 | 763852 | 20.0 |
| 2-Aziridinone, 1-... | 6.52 | 2.2 | ng/ul | 84138 | 1 | 7.92 | 763852 | 20.0 |
| n-Hexadecanoic acid | 18.17 | 2.5 | ng/ul | 173622 | 4 | 17.31 | 1385740 | 20.0 |