LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM011818\
Data File : BM013653.D
Acq On : 18 Jan 2018 22:25
Operator : SJ/JU
Sample : J1097-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DAJQ3

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-BM011018.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 | 3.163 | 27 | 30 | 34 | rVB2 | 25151 | 29796 | 1.44% | 0.170% |
| 2 | 4.781 | 300 | 305 | 312 | rVB4 | 15862 | 29783 | 1.44% | 0.170% |
| 3 | 6.804 | 643 | 649 | 657 | rBV3 | 33899 | 66243 | 3.21% | 0.377% |
| 4 | 6.957 | 667 | 675 | 685 | rBV | 277634 | 438203 | 21.22% | 2.497% |
| 5 | 7.151 | 703 | 708 | 717 | rBV | 106382 | 177158 | 8.58% | 1.009% |
| 6 | 7.234 | 717 | 722 | 729 | rBV | 49522 | 96804 | 4.69% | 0.552% |
| 7 | 7.616 | 780 | 787 | 795 | rBV | 450080 | 727411 | 35.22% | 4.145% |
| 8 | 8.328 | 902 | 908 | 917 | rBV | 196048 | 336619 | 16.30% | 1.918% |
| 9 | 8.769 | 976 | 983 | 995 | rBV | 364506 | 617305 | 29.89% | 3.517% |
| 10 | 9.486 | 1099 | 1105 | 1116 | rBV2 | 306306 | 513693 | 24.87% | 2.927% |
| 11 | 10.033 | 1192 | 1198 | 1210 | rBV2 | 54440 | 102389 | 4.96% | 0.583% |
| 12 | 10.392 | 1252 | 1259 | 1270 | rBV | 604876 | 994956 | 48.18% | 5.669% |
| 13 | 10.545 | 1278 | 1285 | 1296 | rBV | 140288 | 284907 | 13.80% | 1.623% |
| 14 | 13.086 | 1711 | 1717 | 1725 | rVB3 | 20964 | 30104 | 1.46% | 0.172% |
| 15 | 13.680 | 1812 | 1818 | 1823 | rBV | 795588 | 1147850 | 55.58% | 6.540% |
| 16 | 13.727 | 1823 | 1826 | 1834 | rVB | 237382 | 372207 | 18.02% | 2.121% |
| 17 | 13.957 | 1854 | 1865 | 1870 | rBV | 101640 | 161046 | 7.80% | 0.918% |
| 18 | 14.168 | 1897 | 1901 | 1906 | rBV | 47416 | 69956 | 3.39% | 0.399% |
| 19 | 14.263 | 1909 | 1917 | 1927 | rVB3 | 848710 | 1314571 | 63.66% | 7.490% |
| 20 | 14.504 | 1952 | 1958 | 1970 | rBV3 | 87289 | 217674 | 10.54% | 1.240% |
| 21 | 14.792 | 2004 | 2007 | 2012 | rVB4 | 26982 | 37406 | 1.81% | 0.213% |
| 22 | 15.127 | 2060 | 2064 | 2069 | rVB2 | 87159 | 105679 | 5.12% | 0.602% |
| 23 | 15.262 | 2081 | 2087 | 2093 | rBV2 | 991825 | 1394451 | 67.52% | 7.945% |
| 24 | 15.404 | 2105 | 2111 | 2119 | rBV | 222488 | 358003 | 17.34% | 2.040% |
| 25 | 15.533 | 2126 | 2133 | 2138 | rBV2 | 66597 | 122506 | 5.93% | 0.698% |
| 26 | 15.633 | 2146 | 2150 | 2154 | rBV4 | 52581 | 82693 | 4.00% | 0.471% |
| 27 | 15.998 | 2207 | 2212 | 2213 | rBV2 | 111715 | 154499 | 7.48% | 0.880% |
| 28 | 16.015 | 2213 | 2215 | 2220 | rVB2 | 122391 | 146102 | 7.07% | 0.832% |
| 29 | 16.674 | 2324 | 2327 | 2335 | rVB7 | 54213 | 98775 | 4.78% | 0.563% |
| 30 | 16.786 | 2343 | 2346 | 2350 | rBV2 | 97910 | 112466 | 5.45% | 0.641% |
| 31 | 16.833 | 2350 | 2354 | 2364 | rVB | 122447 | 201674 | 9.77% | 1.149% |
| 32 | 17.015 | 2380 | 2385 | 2394 | rVB2 | 1071921 | 1554248 | 75.26% | 8.856% |
| 33 | 17.115 | 2398 | 2402 | 2407 | rVB | 172925 | 250161 | 12.11% | 1.425% |
| 34 | 17.204 | 2415 | 2417 | 2419 | rBV3 | 23213 | 25914 | 1.25% | 0.148% |

LSC Area Percent Report

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Data File : BM013653.D
Acq On : 18 Jan 2018 22:25
Operator : SJ/JU
Sample : J1097-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DAJQ3

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-BM011018.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 17.521 | 2468 | 2471 | 2477 | rVB | 95987 | 118093 | 5.72% | 0.673% |
| 36 | 17.921 | 2535 | 2539 | 2543 | rBV3 | 123525 | 166511 | 8.06% | 0.949% |
| 37 | 18.221 | 2586 | 2590 | 2593 | rBV5 | 78843 | 99265 | 4.81% | 0.566% |
| 38 | 18.856 | 2695 | 2698 | 2702 | rBV3 | 43284 | 58986 | 2.86% | 0.336% |
| 39 | 19.209 | 2755 | 2758 | 2762 | rBV5 | 66444 | 85515 | 4.14% | 0.487% |
| 40 | 19.421 | 2792 | 2794 | 2795 | rBV2 | 37066 | 30795 | 1.49% | 0.175% |
| 41 | 20.356 | 2950 | 2953 | 2960 | rVB | 280857 | 310876 | 15.05% | 1.771% |
| 42 | 20.933 | 3049 | 3051 | 3058 | rVB4 | 136111 | 196678 | 9.52% | 1.121% |
| 43 | 21.215 | 3094 | 3099 | 3104 | rBV | 1684109 | 2065099 | 100.00% | 11.766% |
| 44 | 23.415 | 3467 | 3473 | 3481 | rVB | 1088114 | 2045675 | 99.06% | 11.656% |

Sum of corrected areas: 17550745

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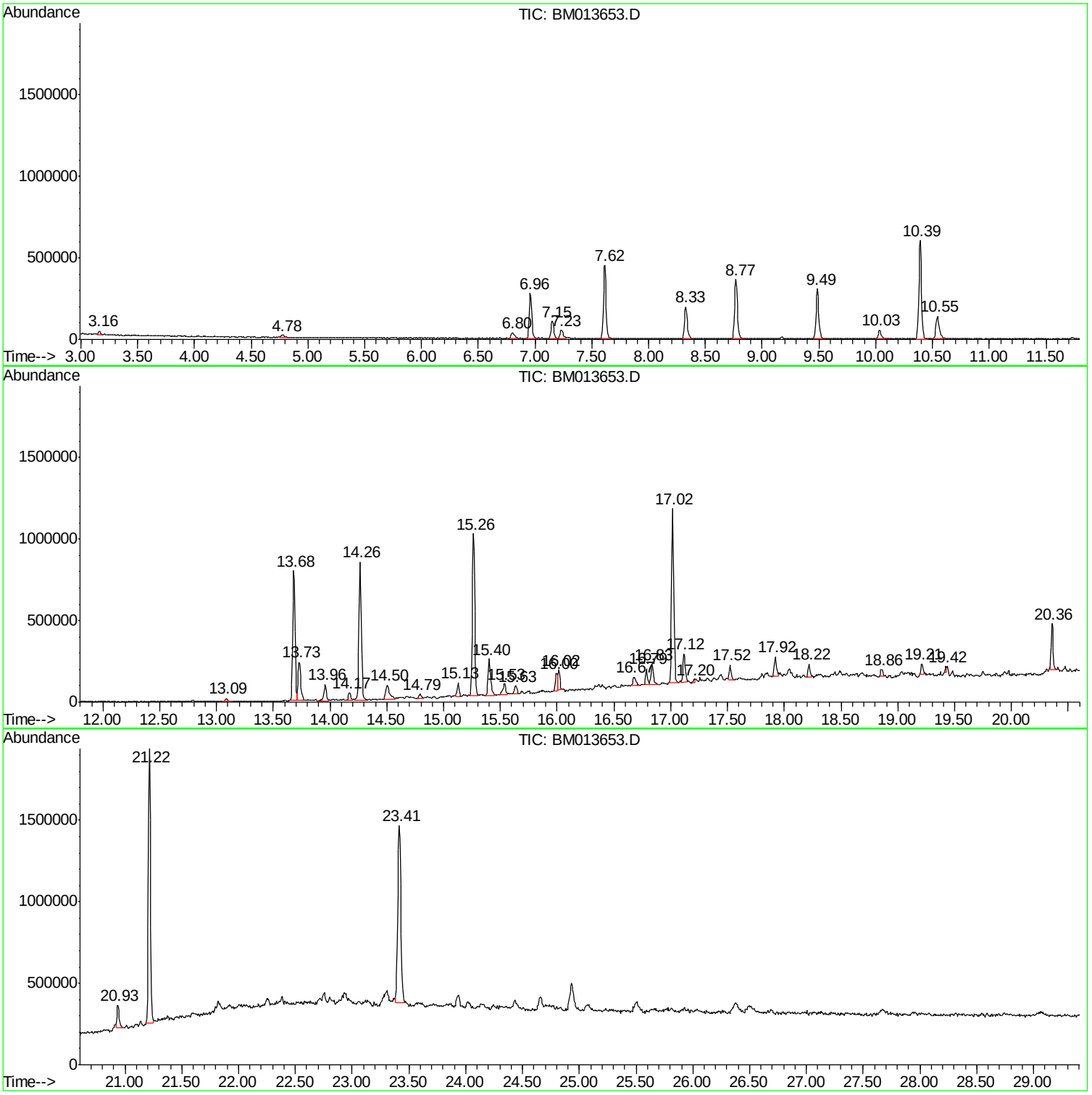
Acq On : 18 Jan 2018 22:25
Operator : SJ/JU
Sample : J1097-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DAJQ3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM011818\
Data File : BM013653.D
Acq On : 18 Jan 2018 22:25
Operator : SJ/JU
Sample : J1097-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DAJQ3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

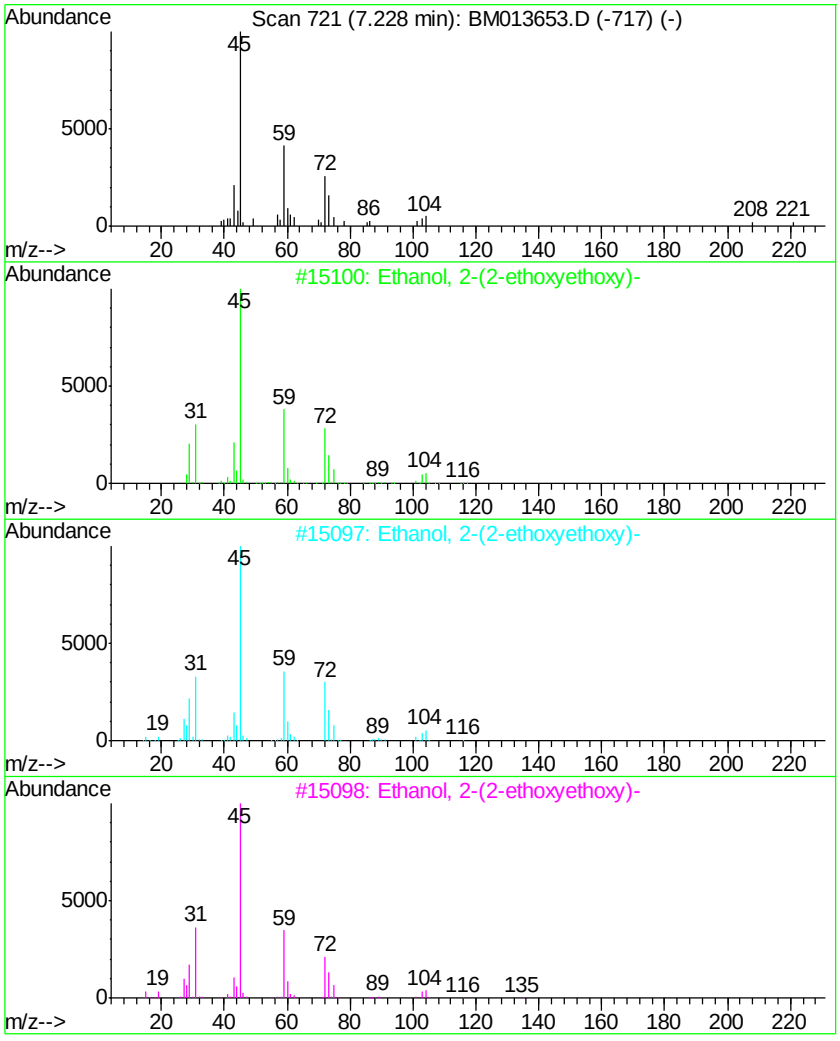
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

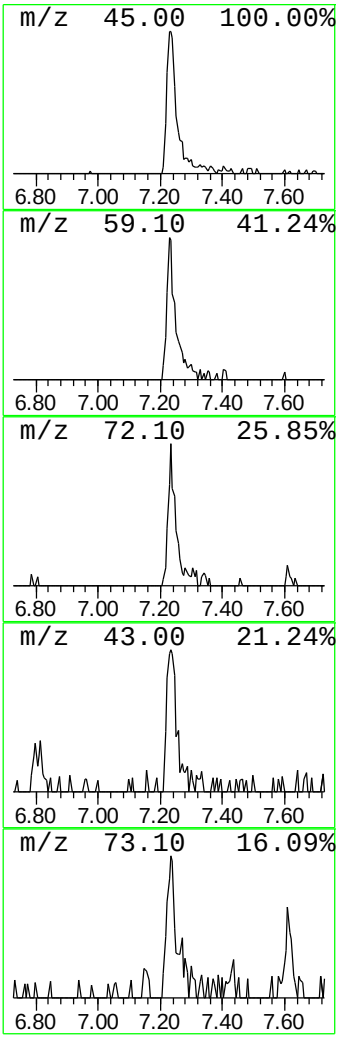
**********

Peak Number 1 Ethanol, 2-(2-ethoxyethoxy)- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.23 | 2.66 ng/ul | 96804 | 1,4-Dichlorobenzene-d4 | 7.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol, 2-(2-ethoxyethoxy)- | 134 | C6H14O3 | 000111-90-0 | 86 |
| 2 | Ethanol, 2-(2-ethoxyethoxy)- | 134 | C6H14O3 | 000111-90-0 | 74 |
| 3 | Ethanol, 2-(2-ethoxyethoxy)- | 134 | C6H14O3 | 000111-90-0 | 53 |
| 4 | 2-Propanol, 1-(1-methylethoxy)- | 118 | C6H14O2 | 003944-36-3 | 50 |
| 5 | Diethyl carbitol | 162 | C8H18O3 | 000112-36-7 | 50 |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM011818\
Data File : BM013653.D
Acq On : 18 Jan 2018 22:25
Operator : SJ/JU
Sample : J1097-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DAJQ3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

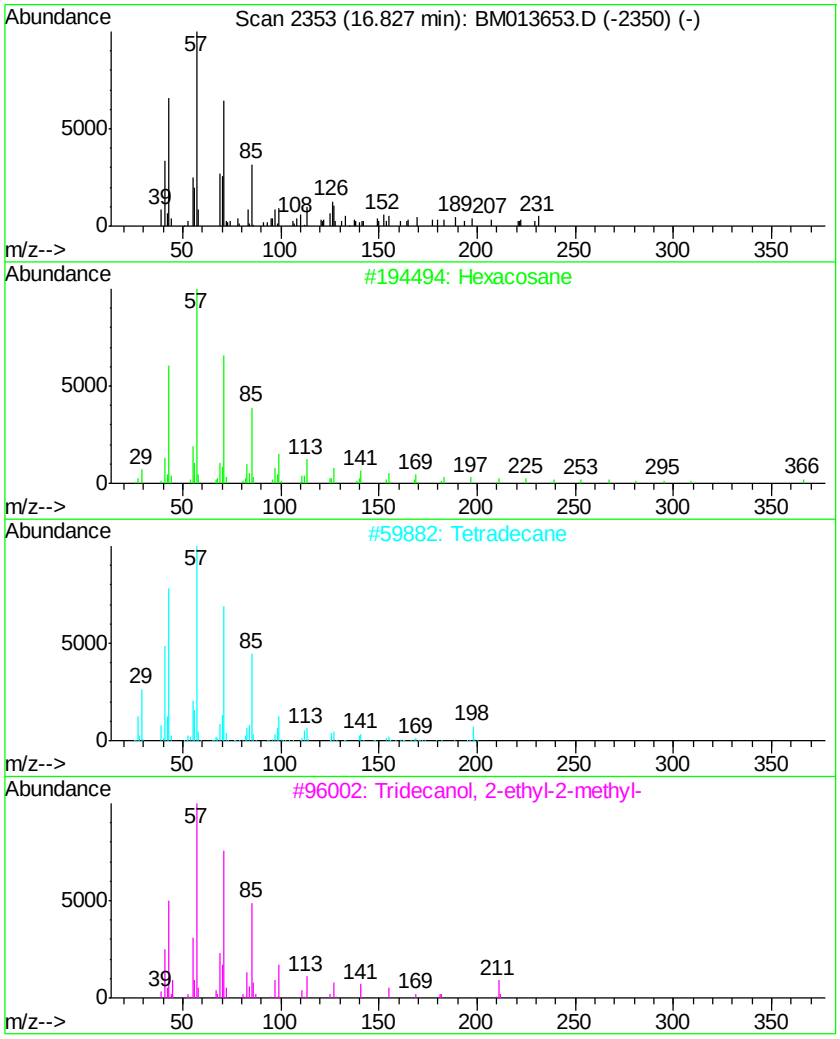
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

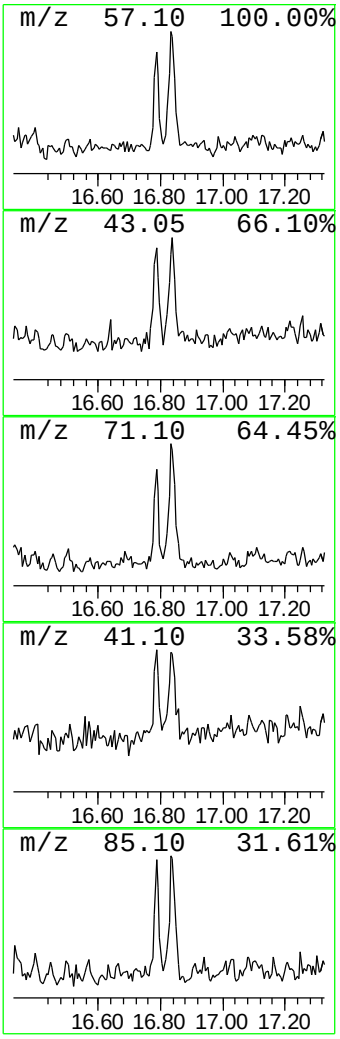
**********

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.83 | 2.60 ng/ul | 201674 | Phenanthrene-d10 | 17.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |
| 2 | Tetradecane | 198 | C14H30 | 000629-59-4 | 90 |
| 3 | Tridecanol, 2-ethyl-2-methyl- | 242 | C16H34O | 1000115-66-1 | 90 |
| 4 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 90 |
| 5 | Hexadecane | 226 | C16H34 | 000544-76-3 | 86 |



# Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM011818\
Data File : BM013653.D
Acq On : 18 Jan 2018 22:25
Operator : SJ/JU
Sample : J1097-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DAJQ3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

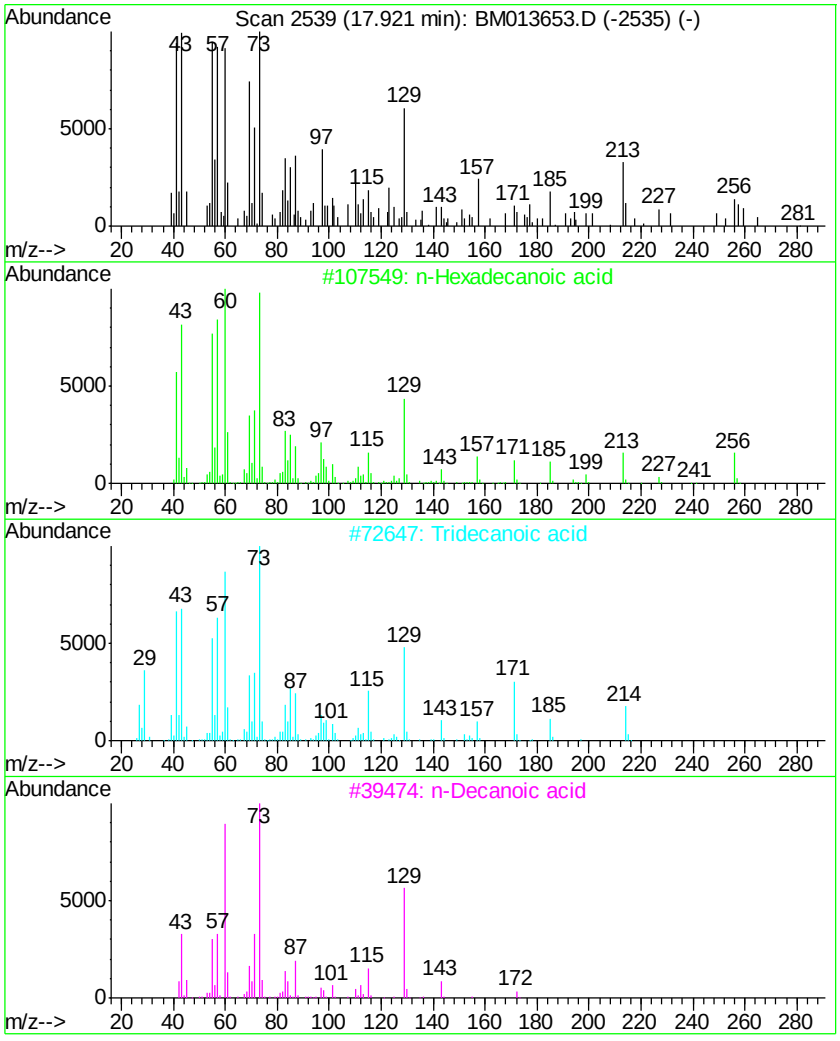
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

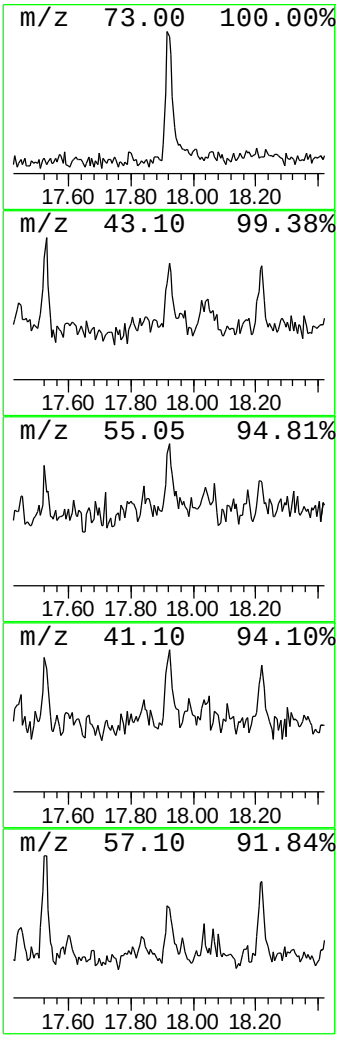
**********

Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.92 | 2.14 ng/ul | 166511 | Phenanthrene-d10 | 17.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 80 |
| 2 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 60 |
| 3 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 42 |
| 4 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 41 |
| 5 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 38 |



# Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM011818\
Data File : BM013653.D
Acq On : 18 Jan 2018 22:25
Operator : SJ/JU
Sample : J1097-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DAJQ3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

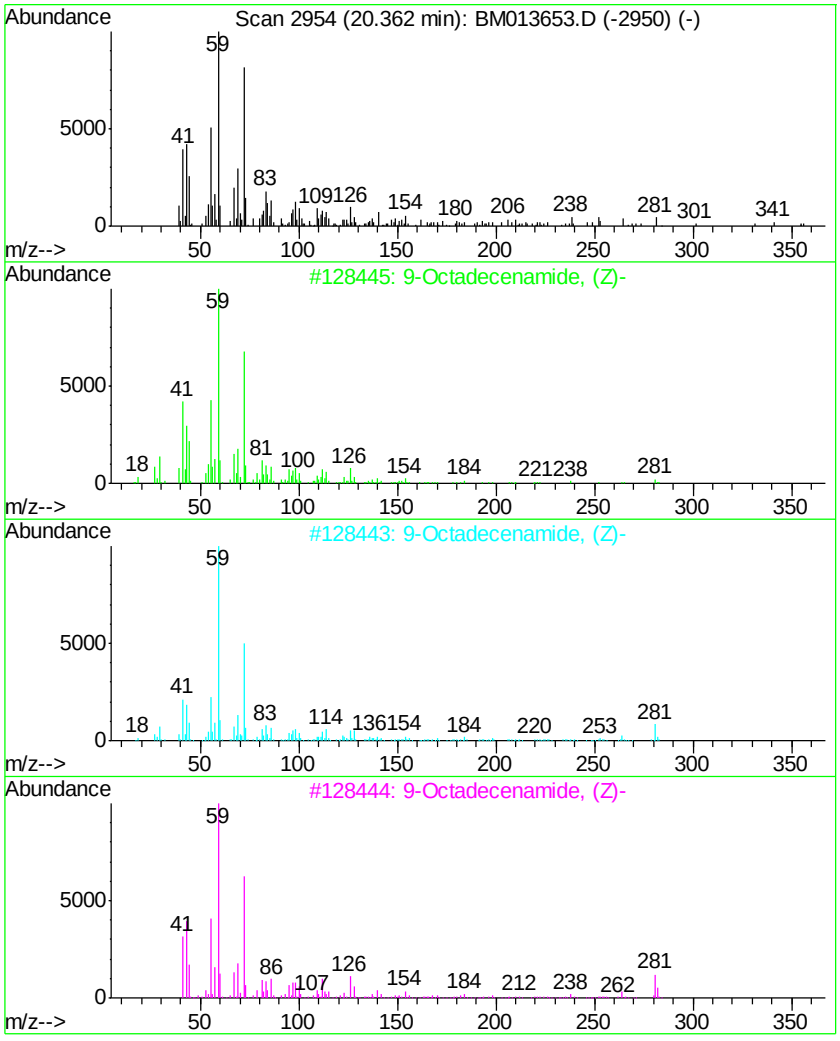
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

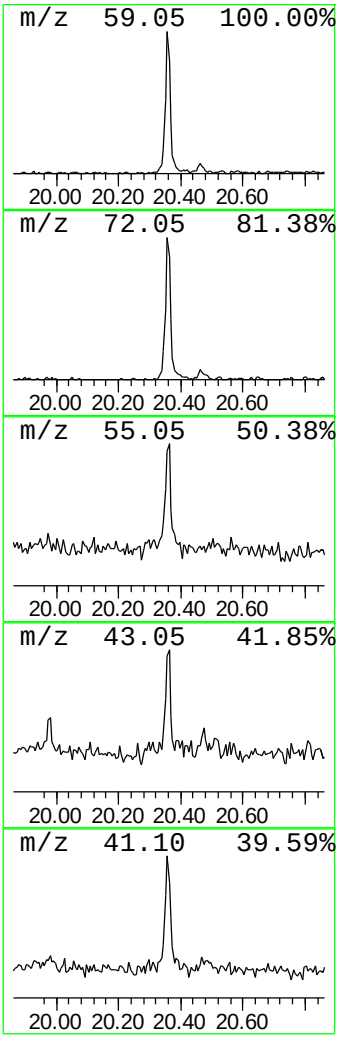
**********

Peak Number 4 9-Octadecenamide, (Z)- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.36 | 3.01 ng/ul | 310876 | Chrysene-d12 | 21.22 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 91 |
| 2 | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 90 |
| 3 | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 68 |
| 4 | Dodecanamide | 199 | C12H25NO | 001120-16-7 | 64 |
| 5 | 13-Docosenamide, (Z)- | 337 | C22H43NO | 000112-84-5 | 49 |



Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM011818\
Data File : BM013653.D
Acq On : 18 Jan 2018 22:25
Operator : SJ/JU
Sample : J1097-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DAJQ3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.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 |
| Ethanol, 2-(2-eth... | 7.23 | 2.7 | ng/ul | 96804 | 1 | 7.62 | 727411 | 20.0 |
| (DEL) Alkane: Str... | 16.83 | 2.6 | ng/ul | 201674 | 4 | 17.02 | 1554250 | 20.0 |
| n-Hexadecanoic acid | 17.92 | 2.1 | ng/ul | 166511 | 4 | 17.02 | 1554250 | 20.0 |
| 9-Octadecenamide,... | 20.36 | 3.0 | ng/ul | 310876 | 5 | 21.22 | 2065100 | 20.0 |