LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031318\
Data File : BM014557.D
Acq On : 13 Mar 2018 23:40
Operator : SJ/JU
Sample : J1813-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6F09

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-BM021418.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 | 3.552 | 109 | 113 | 118 | rBV4 | 27333 | 39678 | 1.69% | 0.140% |
| 2 | 6.699 | 642 | 648 | 662 | rBV | 449716 | 938909 | 39.93% | 3.306% |
| 3 | 6.828 | 665 | 670 | 680 | rBV | 349032 | 558564 | 23.76% | 1.967% |
| 4 | 7.022 | 697 | 703 | 717 | rVB | 566646 | 957088 | 40.71% | 3.370% |
| 5 | 7.475 | 772 | 780 | 788 | rBV | 578873 | 931937 | 39.64% | 3.282% |
| 6 | 8.216 | 900 | 906 | 920 | rBV | 600684 | 1203108 | 51.17% | 4.236% |
| 7 | 8.640 | 971 | 978 | 988 | rBV | 586134 | 984163 | 41.86% | 3.465% |
| 8 | 9.357 | 1092 | 1100 | 1111 | rBV | 516906 | 967195 | 41.14% | 3.406% |
| 9 | 9.910 | 1187 | 1194 | 1214 | rBV2 | 569068 | 1374957 | 58.48% | 4.841% |
| 10 | 10.245 | 1241 | 1251 | 1262 | rBV | 764959 | 1289404 | 54.84% | 4.540% |
| 11 | 10.439 | 1278 | 1284 | 1295 | rBV4 | 56521 | 178152 | 7.58% | 0.627% |
| 12 | 12.939 | 1706 | 1709 | 1715 | rVB4 | 27940 | 42618 | 1.81% | 0.150% |
| 13 | 13.257 | 1756 | 1763 | 1770 | rBV8 | 17779 | 34983 | 1.49% | 0.123% |
| 14 | 13.375 | 1778 | 1783 | 1788 | rBV4 | 64104 | 99953 | 4.25% | 0.352% |
| 15 | 13.427 | 1788 | 1792 | 1796 | rVB5 | 22496 | 38053 | 1.62% | 0.134% |
| 16 | 13.569 | 1804 | 1816 | 1820 | rBV | 1326442 | 1898660 | 80.75% | 6.686% |
| 17 | 13.616 | 1820 | 1824 | 1832 | rVB | 280520 | 446582 | 18.99% | 1.573% |
| 18 | 13.833 | 1850 | 1861 | 1869 | rBV | 1399498 | 2103014 | 89.44% | 7.405% |
| 19 | 14.039 | 1889 | 1896 | 1900 | rBV | 72321 | 101599 | 4.32% | 0.358% |
| 20 | 14.139 | 1907 | 1913 | 1922 | rBV3 | 968772 | 1519246 | 64.62% | 5.350% |
| 21 | 14.386 | 1951 | 1955 | 1961 | rVB8 | 20712 | 35026 | 1.49% | 0.123% |
| 22 | 14.457 | 1961 | 1967 | 1979 | rBV2 | 230760 | 660400 | 28.09% | 2.325% |
| 23 | 14.586 | 1985 | 1989 | 1994 | rVB5 | 41206 | 66570 | 2.83% | 0.234% |
| 24 | 14.998 | 2055 | 2059 | 2065 | rVB2 | 102887 | 131625 | 5.60% | 0.463% |
| 25 | 15.151 | 2078 | 2085 | 2094 | rBV | 1582173 | 2351182 | 100.00% | 8.279% |
| 26 | 15.333 | 2112 | 2116 | 2121 | rBV2 | 247859 | 390564 | 16.61% | 1.375% |
| 27 | 15.398 | 2123 | 2127 | 2129 | rBV4 | 35297 | 49297 | 2.10% | 0.174% |
| 28 | 15.868 | 2203 | 2207 | 2214 | rBV3 | 102149 | 193940 | 8.25% | 0.683% |
| 29 | 16.910 | 2379 | 2384 | 2391 | rBV | 1113333 | 1518994 | 64.61% | 5.349% |
| 30 | 17.010 | 2396 | 2401 | 2410 | rVV | 1527839 | 2154585 | 91.64% | 7.587% |
| 31 | 17.821 | 2536 | 2539 | 2547 | rVB2 | 296297 | 428157 | 18.21% | 1.508% |
| 32 | 19.256 | 2779 | 2783 | 2787 | rBV | 979375 | 1146720 | 48.77% | 4.038% |
| 33 | 19.327 | 2790 | 2795 | 2801 | rVV | 1323939 | 1851516 | 78.75% | 6.520% |
| 34 | 20.309 | 2959 | 2962 | 2966 | rVB | 633132 | 650062 | 27.65% | 2.289% |

LSC Area Percent Report

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Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6F09

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-BM021418.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 21.133 | 3099 | 3102 | 3107 | rBV | 904702 | 1062962 | 45.21% | 3.743% |

Sum of corrected areas: 28399463

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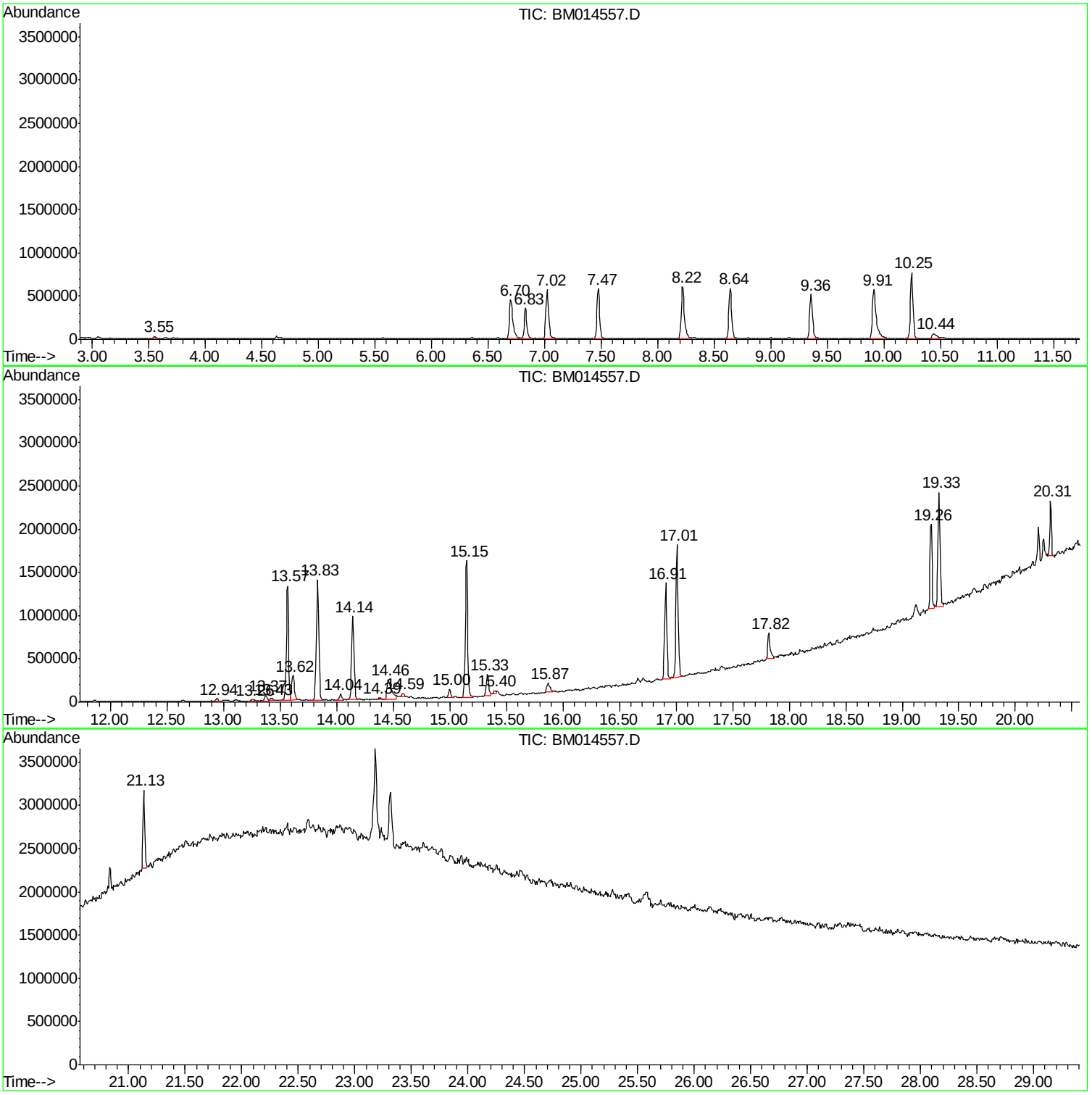
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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



# Library Search Compound Report

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ALS Vial : 17 Sample Multiplier: 1

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**ClientSampleId :** F6F09

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

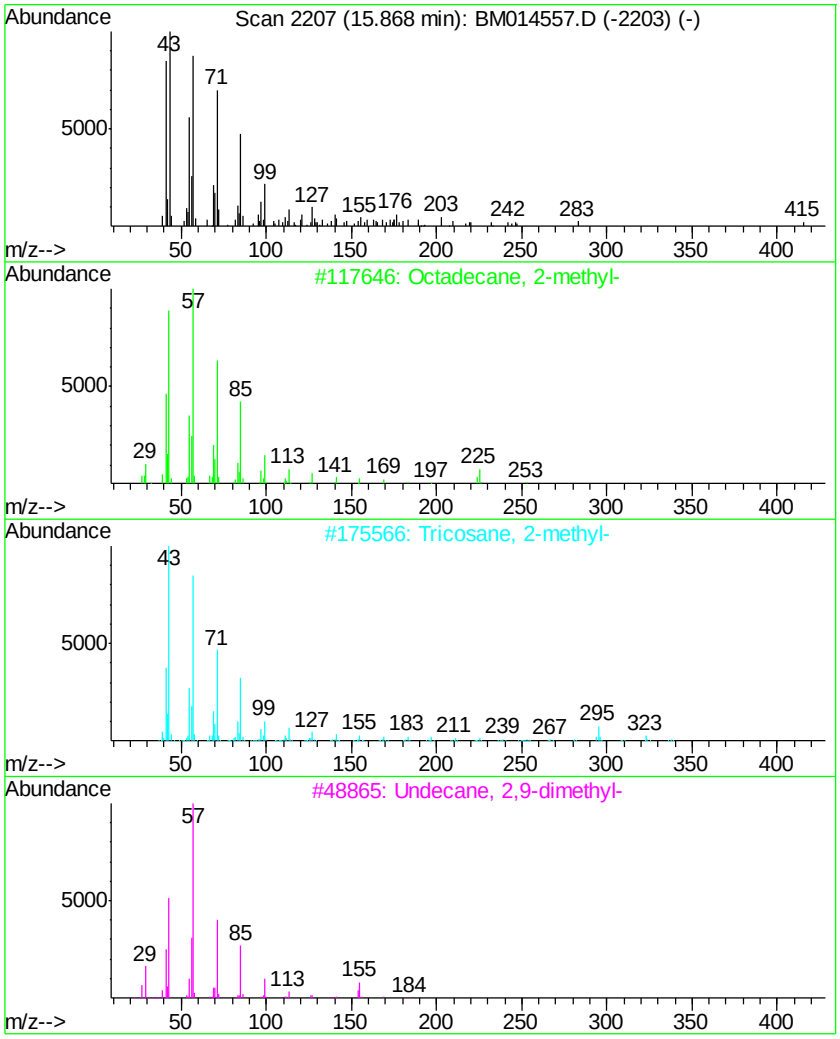
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

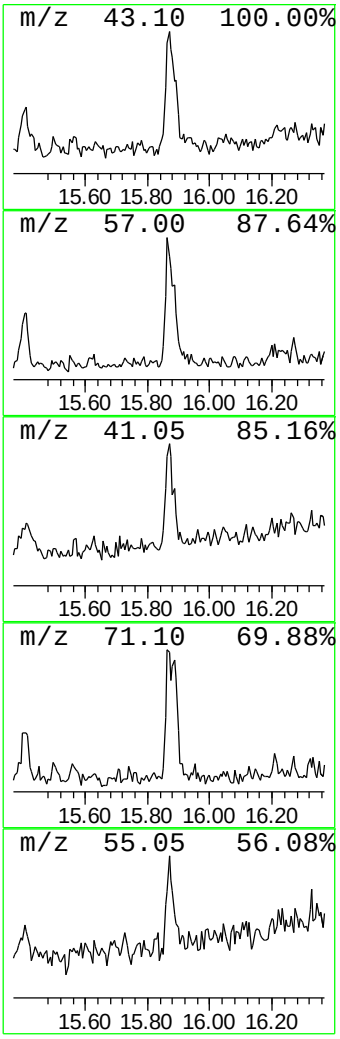
**********

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.87 | 2.55 ng/ul | 193940 | Phenanthrene-d10 | 16.91 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecane, 2-methyl- | 268 | C19H40 | 001560-88-9 | 86 |
| 2 | Tricosane, 2-methyl- | 338 | C24H50 | 001928-30-9 | 80 |
| 3 | Undecane, 2,9-dimethyl- | 184 | C13H28 | 017301-26-7 | 80 |
| 4 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 72 |
| 5 | Eicosane, 7-hexyl- | 366 | C26H54 | 055333-99-8 | 72 |



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Data Path : Z:\HPCHEM1\BNA M\DATA\BM031318\
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Operator : SJ/JU
Sample : J1813-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6F09

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

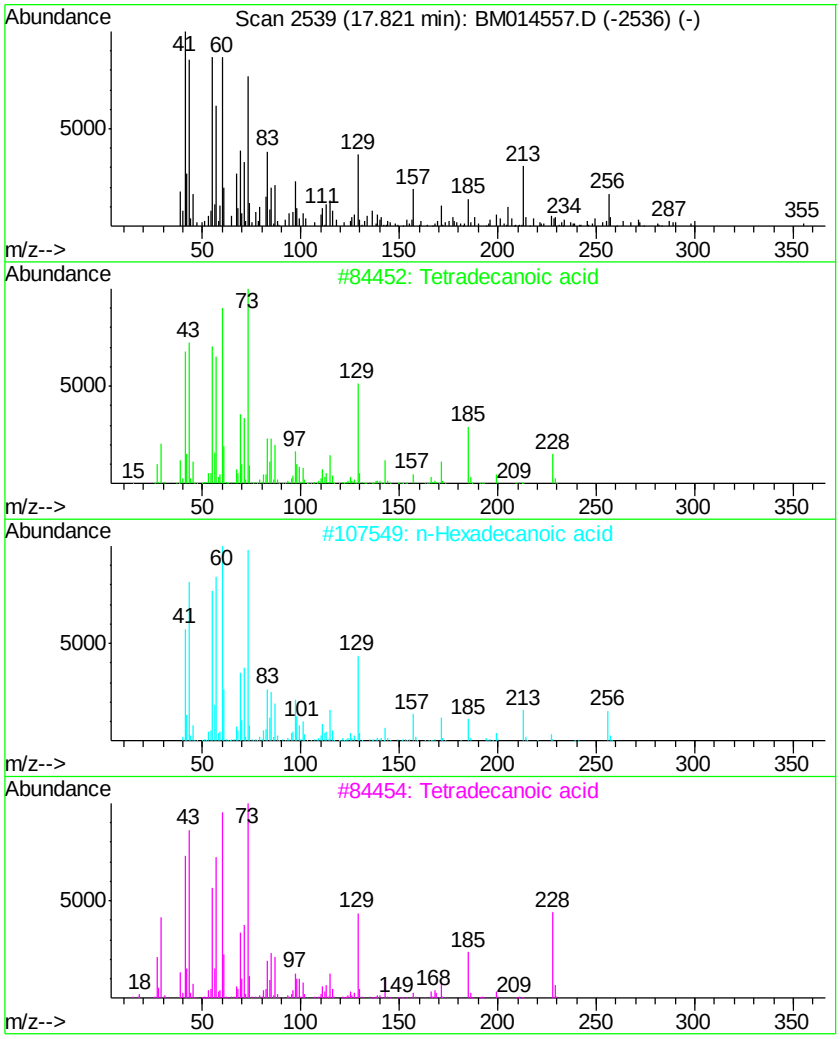
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

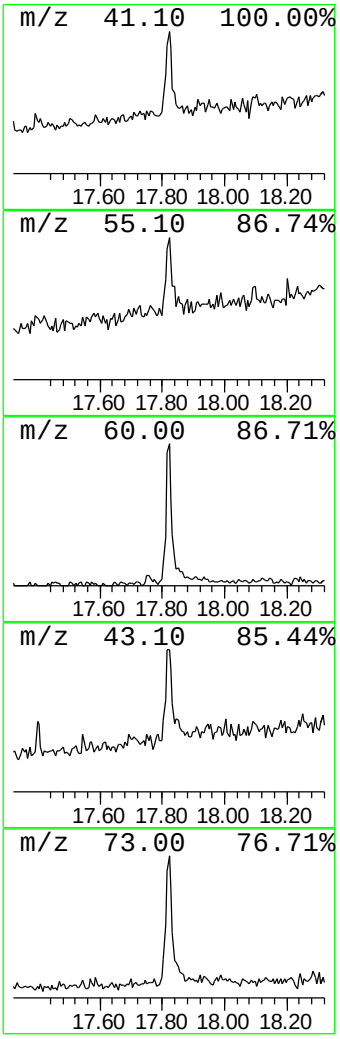
**********

Peak Number 2 Tetradecanoic acid Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.82 | 5.64 ng/ul | 428157 | Phenanthrene-d10 | 16.91 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 95 |
| 2 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 95 |
| 3 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 89 |
| 4 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 68 |
| 5 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 64 |



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ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6F09

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

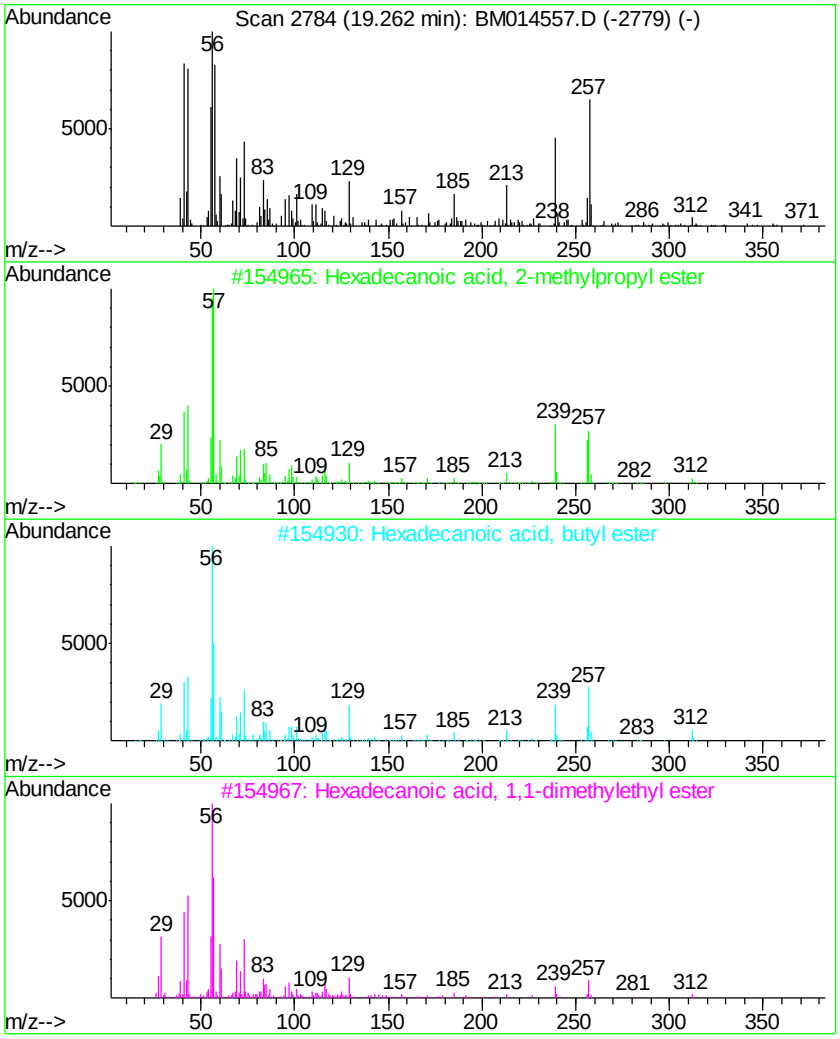
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

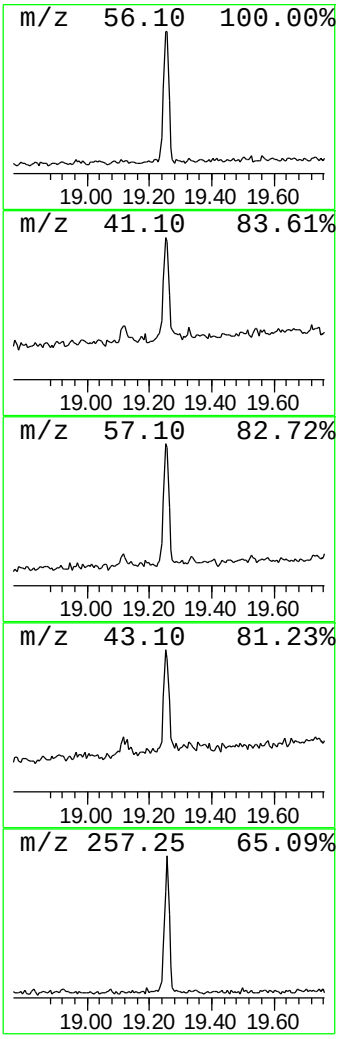
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.26 | 21.58 ng/ul | 1146720 | Chrysene-d12 | 21.13 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecanoic acid, 2-methylpropy... | 312 | C20H40O2 | 000110-34-9 | 76 |
| 2 | Hexadecanoic acid, butyl ester | 312 | C20H40O2 | 000111-06-8 | 64 |
| 3 | Hexadecanoic acid, 1,1-dimethyle... | 312 | C20H40O2 | 031158-91-5 | 60 |
| 4 | Hexadecanoic acid, butyl ester | 312 | C20H40O2 | 000111-06-8 | 53 |
| 5 | 1-Undecene, 5-methyl- | 168 | C12H24 | 074630-38-9 | 30 |



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Sample : J1813-13
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ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

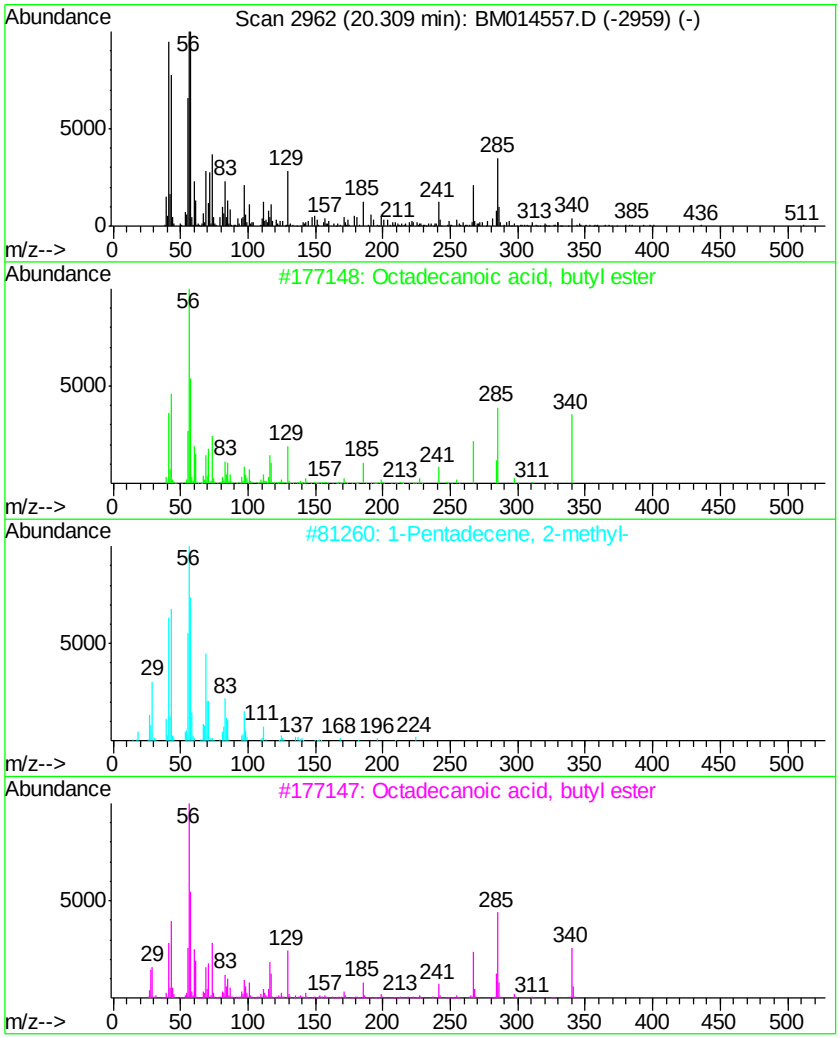
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

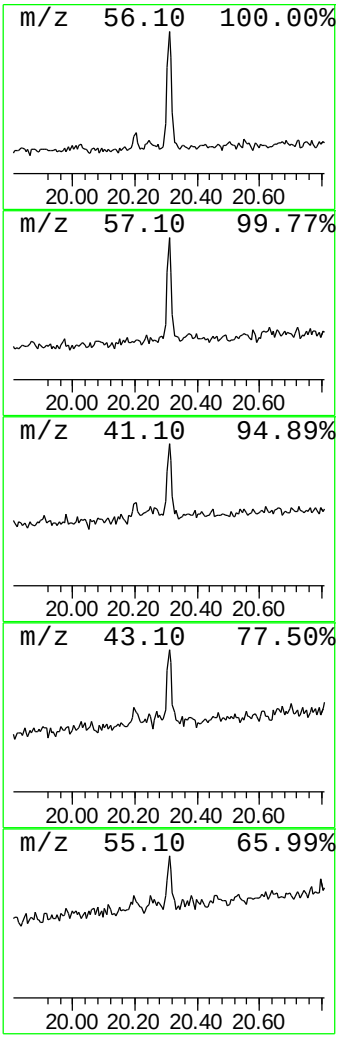
**********

Peak Number 4 Octadecanoic acid, butyl ester Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.31 | 12.23 ng/ul | 650062 | Chrysene-d12 | 21.13 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid, butyl ester | 340 | C22H44O2 | 000123-95-5 | 93 |
| 2 | 1-Pentadecene, 2-methyl- | 224 | C16H32 | 029833-69-0 | 35 |
| 3 | Octadecanoic acid, butyl ester | 340 | C22H44O2 | 000123-95-5 | 25 |
| 4 | 1-Hexene, 4-methyl- | 98 | C7H14 | 003769-23-1 | 25 |
| 5 | Cyclobutane, 1,2-diethyl- | 112 | C8H16 | 061141-83-1 | 25 |



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 |
| (DEL) Alkane: Str... | 15.87 | 2.5 | ng/ul | 193940 | 4 | 16.91 | 1518990 | 20.0 |
| Tetradecanoic acid | 17.82 | 5.6 | ng/ul | 428157 | 4 | 16.91 | 1518990 | 20.0 |
| Hexadecanoic acid... | 19.26 | 21.6 | ng/ul | 1146720 | 5 | 21.13 | 1062960 | 20.0 |
| Octadecanoic acid... | 20.31 | 12.2 | ng/ul | 650062 | 5 | 21.13 | 1062960 | 20.0 |