LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM120717\
Data File : BM013261.D
Acq On : 08 Dec 2017 01:49
Operator : SJ/JU
Sample : I6719-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JHPH5

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-BM113017.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 | 3.240 | 23 | 26 | 31 | rVB | 36697 | 43326 | 1.25% | 0.098% |
| 2 | 4.857 | 294 | 301 | 307 | rBV2 | 40146 | 66011 | 1.90% | 0.149% |
| 3 | 6.875 | 635 | 644 | 657 | rVB | 713065 | 1241365 | 35.75% | 2.795% |
| 4 | 7.040 | 663 | 672 | 682 | rVB | 555836 | 856184 | 24.66% | 1.928% |
| 5 | 7.234 | 698 | 705 | 712 | rBV | 805303 | 1250381 | 36.01% | 2.815% |
| 6 | 7.698 | 777 | 784 | 791 | rVB | 837689 | 1338723 | 38.56% | 3.014% |
| 7 | 8.404 | 897 | 904 | 914 | rBV | 873915 | 1392279 | 40.10% | 3.134% |
| 8 | 8.851 | 971 | 980 | 988 | rBV | 727843 | 1205380 | 34.72% | 2.714% |
| 9 | 9.263 | 1042 | 1050 | 1055 | rBV3 | 20992 | 36796 | 1.06% | 0.083% |
| 10 | 9.563 | 1094 | 1101 | 1108 | rBV | 612088 | 1035578 | 29.83% | 2.331% |
| 11 | 10.104 | 1186 | 1193 | 1204 | rVB | 906277 | 1528500 | 44.02% | 3.441% |
| 12 | 10.475 | 1249 | 1256 | 1266 | rVB | 1075460 | 1786269 | 51.45% | 4.021% |
| 13 | 10.616 | 1273 | 1280 | 1289 | rBV | 732112 | 1281215 | 36.90% | 2.884% |
| 14 | 13.163 | 1709 | 1713 | 1719 | rVB3 | 26440 | 40107 | 1.16% | 0.090% |
| 15 | 13.751 | 1807 | 1813 | 1818 | rBV | 1514328 | 2078769 | 59.87% | 4.680% |
| 16 | 13.798 | 1818 | 1821 | 1830 | rVB | 402562 | 530246 | 15.27% | 1.194% |
| 17 | 14.027 | 1849 | 1860 | 1867 | rBV | 1755424 | 2595036 | 74.74% | 5.842% |
| 18 | 14.180 | 1881 | 1886 | 1892 | rBV5 | 21382 | 41939 | 1.21% | 0.094% |
| 19 | 14.245 | 1892 | 1897 | 1902 | rVB | 69589 | 97961 | 2.82% | 0.221% |
| 20 | 14.339 | 1906 | 1913 | 1924 | rVB2 | 1396521 | 2158214 | 62.16% | 4.859% |
| 21 | 14.551 | 1941 | 1949 | 1957 | rBV | 405313 | 656814 | 18.92% | 1.479% |
| 22 | 14.704 | 1969 | 1975 | 1979 | rBV7 | 17802 | 35934 | 1.03% | 0.081% |
| 23 | 14.763 | 1979 | 1985 | 1989 | rBV6 | 23869 | 43893 | 1.26% | 0.099% |
| 24 | 15.198 | 2055 | 2059 | 2065 | rVV | 69816 | 91319 | 2.63% | 0.206% |
| 25 | 15.333 | 2075 | 2082 | 2090 | rVB | 2094191 | 2900115 | 83.53% | 6.529% |
| 26 | 15.462 | 2096 | 2104 | 2113 | rBV | 365988 | 554372 | 15.97% | 1.248% |
| 27 | 15.574 | 2119 | 2123 | 2127 | rBV4 | 25869 | 47604 | 1.37% | 0.107% |
| 28 | 16.062 | 2200 | 2206 | 2210 | rBV2 | 55150 | 81433 | 2.35% | 0.183% |
| 29 | 16.857 | 2337 | 2341 | 2345 | rBV5 | 26730 | 41975 | 1.21% | 0.094% |
| 30 | 17.086 | 2373 | 2380 | 2387 | rBV2 | 1740223 | 2472839 | 71.22% | 5.567% |
| 31 | 17.186 | 2390 | 2397 | 2404 | rVV | 2188366 | 2998687 | 86.37% | 6.751% |
| 32 | 17.986 | 2527 | 2533 | 2543 | rBV | 357816 | 529428 | 15.25% | 1.192% |
| 33 | 18.321 | 2586 | 2590 | 2595 | rVB7 | 23932 | 40849 | 1.18% | 0.092% |
| 34 | 19.121 | 2721 | 2726 | 2729 | rBV5 | 60443 | 105054 | 3.03% | 0.237% |

LSC Area Percent Report

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Sample : I6719-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JHPH5

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-BM113017.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 19.156 | 2729 | 2732 | 2738 | rVB6 | 47352 | 77570 | 2.23% | 0.175% |
| 36 | 19.274 | 2747 | 2752 | 2759 | rBV3 | 302973 | 422064 | 12.16% | 0.950% |
| 37 | 19.368 | 2764 | 2768 | 2772 | rVB4 | 26165 | 39177 | 1.13% | 0.088% |
| 38 | 19.427 | 2772 | 2778 | 2781 | rBV8 | 19190 | 37077 | 1.07% | 0.083% |
| 39 | 19.480 | 2781 | 2787 | 2793 | rBV | 2434388 | 3391282 | 97.67% | 7.635% |
| 40 | 20.009 | 2873 | 2877 | 2881 | rBV6 | 66098 | 89714 | 2.58% | 0.202% |
| 41 | 20.992 | 3041 | 3044 | 3050 | rBV2 | 327963 | 393437 | 11.33% | 0.886% |
| 42 | 21.274 | 3087 | 3092 | 3098 | rBV | 2156577 | 2749497 | 79.19% | 6.190% |
| 43 | 23.362 | 3441 | 3447 | 3460 | rVB2 | 1831655 | 3472051 | 100.00% | 7.817% |
| 44 | 23.503 | 3465 | 3471 | 3478 | rVB | 1411014 | 2542122 | 73.22% | 5.723% |

Sum of corrected areas: 44418586

LSC Report - Integrated Chromatogram

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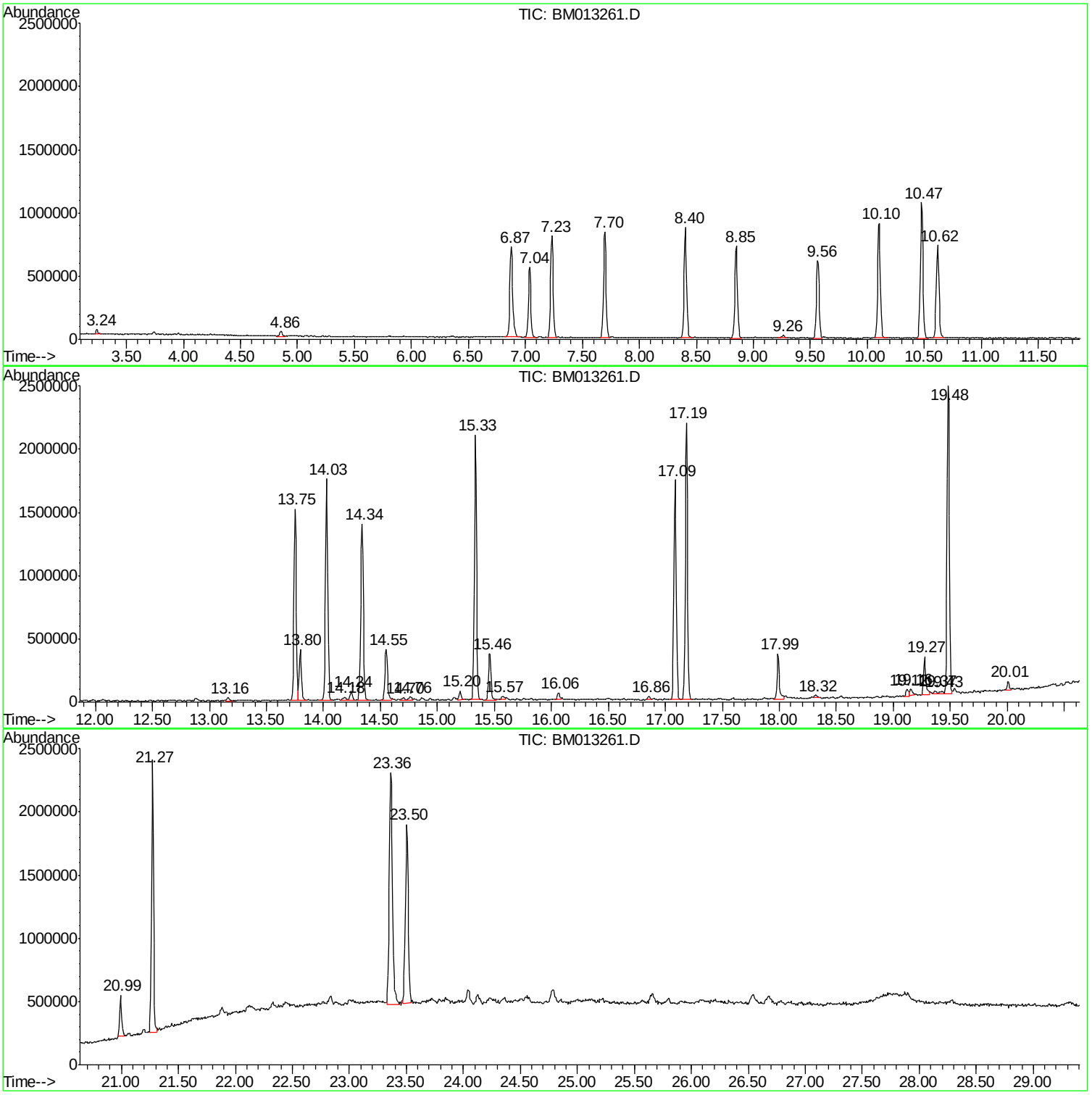
Sample : I6719-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JHPH5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.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\BM120717\
Data File : BM013261.D
Acq On : 08 Dec 2017 01:49
Operator : SJ/JU
Sample : I6719-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JHPH5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

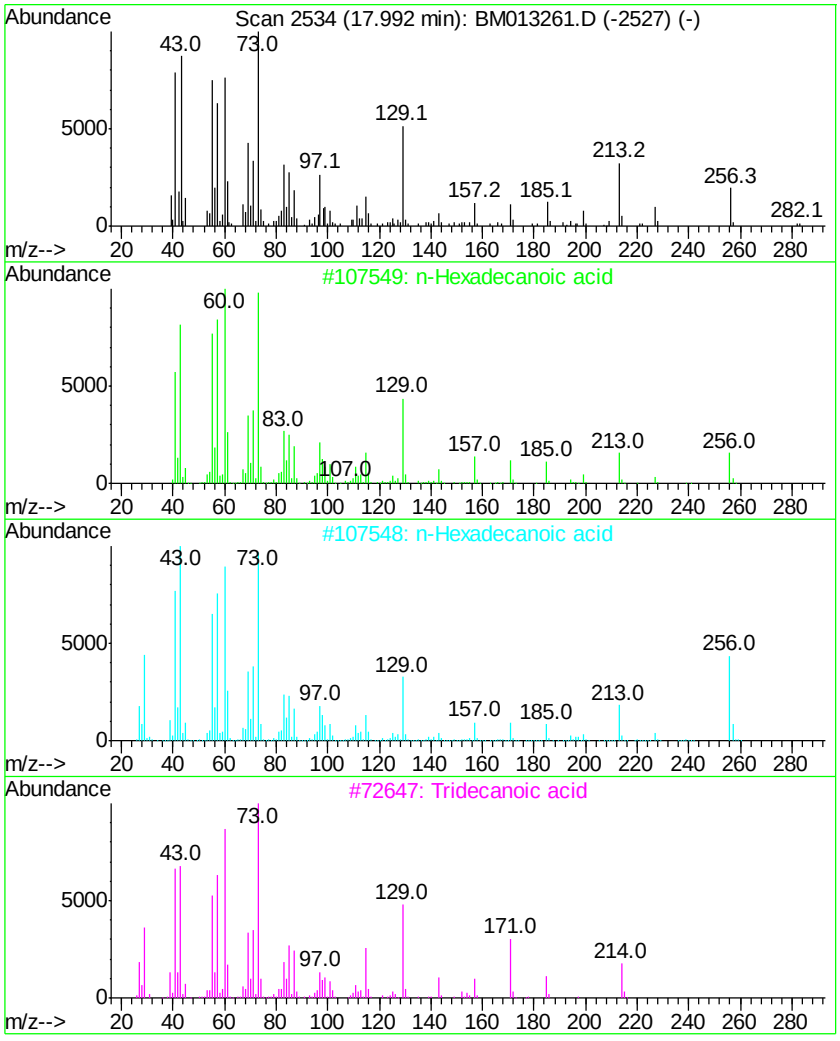
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

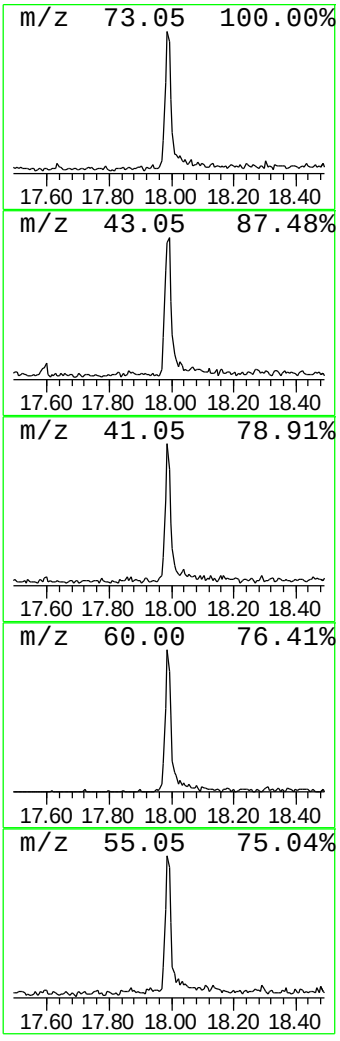
**********

Peak Number 1 n-Hexadecanoic acid Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.99 | 4.28 ng/ul | 529428 | Phenanthrene-d10 | 17.09 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98 |
| 2 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 97 |
| 3 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 93 |
| 4 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 93 |
| 5 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 87 |



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Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JHPH5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

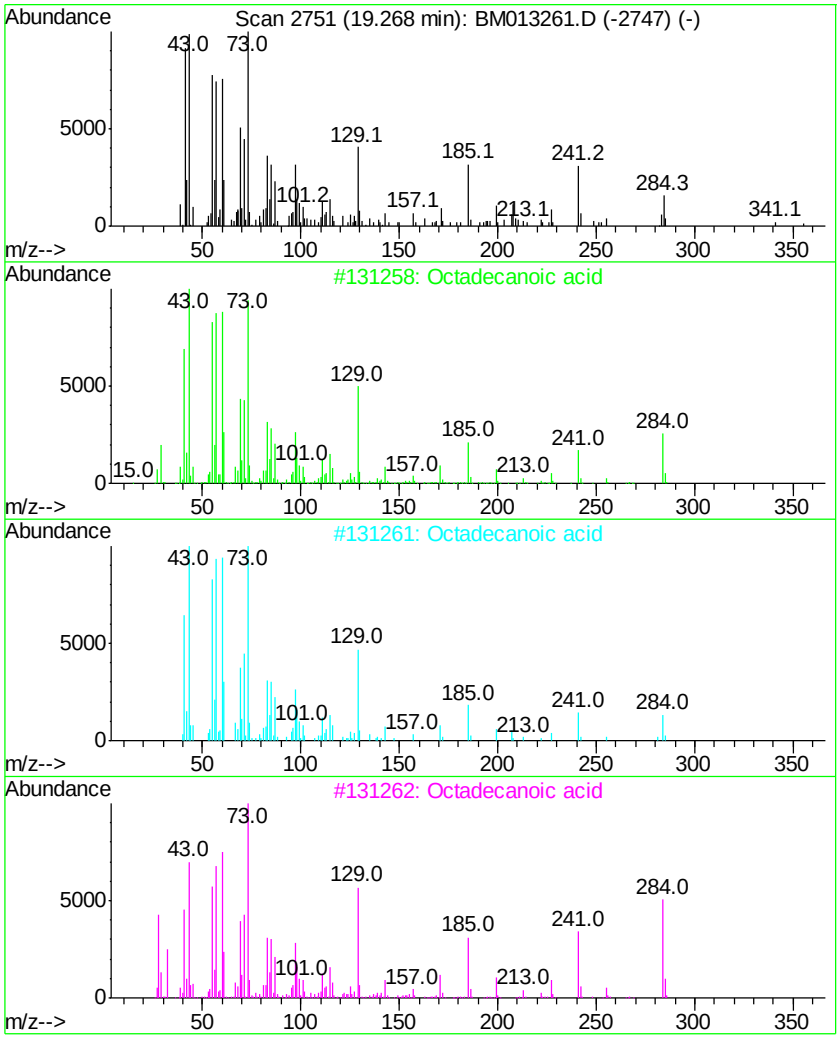
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

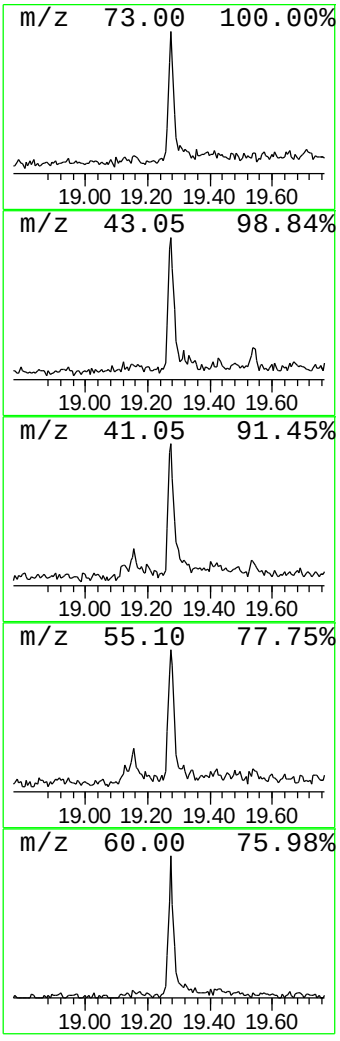
**********

Peak Number 2 Octadecanoic acid Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.27 | 3.07 ng/ul | 422064 | Chrysene-d12 | 21.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 99 |
| 2 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 97 |
| 3 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 95 |
| 4 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 95 |
| 5 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 93 |



Library Search Compound Report

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ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JHPH5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

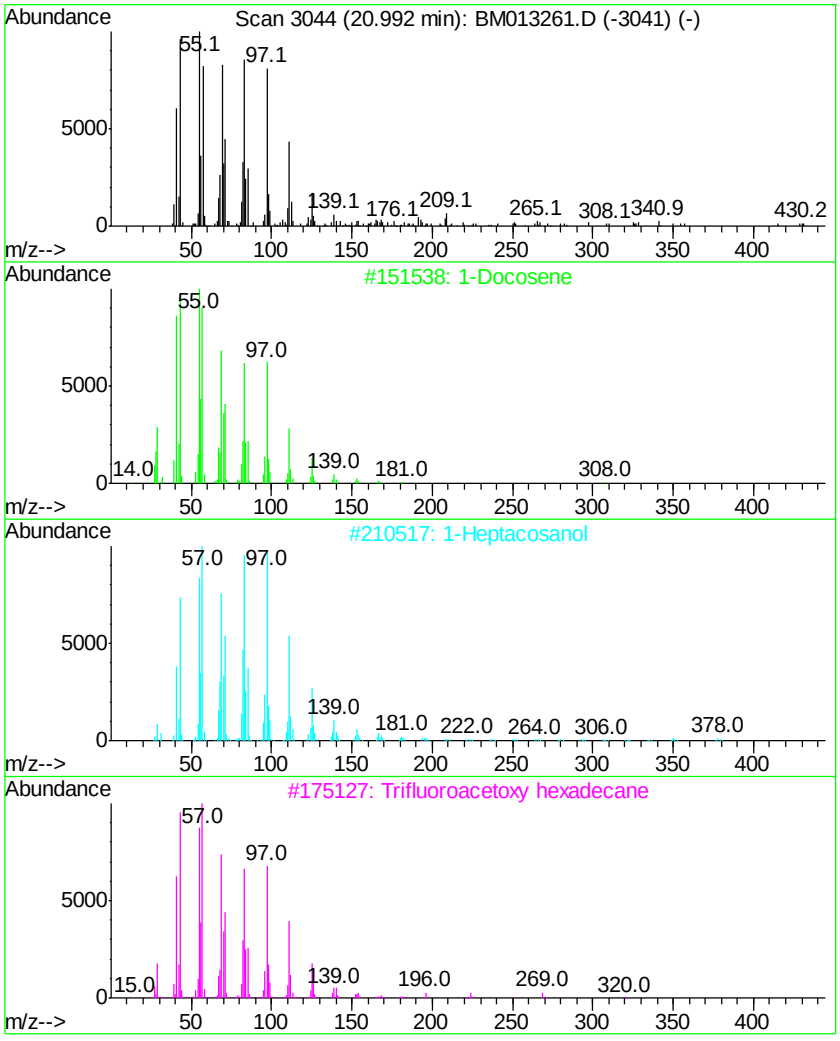
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

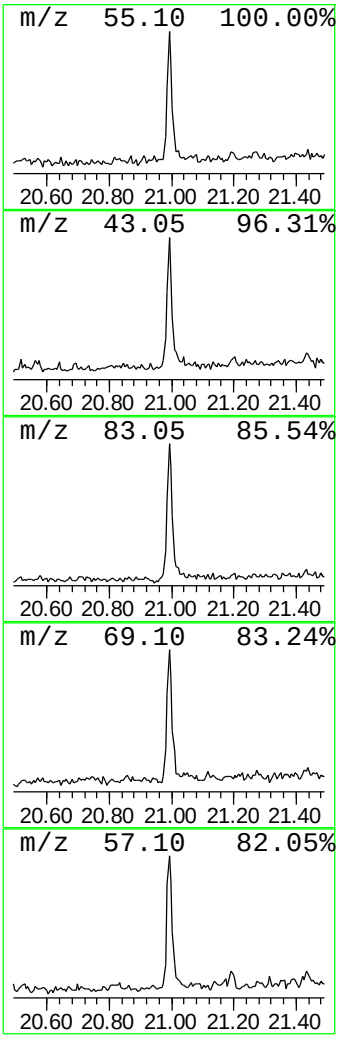
**********

Peak Number 3 (DEL) Alkane: Cyclic20.99 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.99 | 2.86 ng/ul | 393437 | Chrysene-d12 | 21.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Docosene | 308 | C22H44 | 001599-67-3 | 94 |
| 2 | 1-Heptacosanol | 396 | C27H56O | 002004-39-9 | 91 |
| 3 | Trifluoroacetoxy hexadecane | 338 | C18H33F3O2 | 006222-03-3 | 91 |
| 4 | Trifluoroacetic acid, pentadecyl... | 324 | C17H31F3O2 | 959010-23-2 | 91 |
| 5 | Bromoacetic acid, octadecyl ester | 390 | C20H39BrO2 | 018992-03-5 | 91 |



Tentatively Identified Compound (LSC) summary

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Sample : I6719-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.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 |
| n-Hexadecanoic acid | 17.99 | 4.3 | ng/ul | 529428 | 4 | 17.09 | 2472840 | 20.0 |
| Octadecanoic acid | 19.27 | 3.1 | ng/ul | 422064 | 5 | 21.27 | 2749500 | 20.0 |
| (DEL) Alkane: Cyc... | 20.99 | 2.9 | ng/ul | 393437 | 5 | 21.27 | 2749500 | 20.0 |