LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM120617\
Data File : BM013223.D
Acq On : 06 Dec 2017 23:20
Operator : SJ/JU
Sample : I6647-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0247

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 | 6.875 | 637 | 644 | 657 | rBV | 1054090 | 1842786 | 25.38% | 2.359% |
| 2 | 7.040 | 666 | 672 | 681 | rVB | 795827 | 1170150 | 16.12% | 1.498% |
| 3 | 7.234 | 699 | 705 | 712 | rBV | 1072088 | 1662295 | 22.89% | 2.128% |
| 4 | 7.698 | 776 | 784 | 792 | rBV | 953180 | 1487626 | 20.49% | 1.904% |
| 5 | 8.404 | 897 | 904 | 915 | rBV | 1416503 | 2222069 | 30.60% | 2.844% |
| 6 | 8.851 | 973 | 980 | 989 | rBV | 1115264 | 1776692 | 24.47% | 2.274% |
| 7 | 9.569 | 1094 | 1102 | 1114 | rBV | 902195 | 1542068 | 21.24% | 1.974% |
| 8 | 10.104 | 1186 | 1193 | 1205 | rBV | 1437740 | 2370822 | 32.65% | 3.034% |
| 9 | 10.481 | 1249 | 1257 | 1264 | rBV | 1341155 | 2223013 | 30.62% | 2.845% |
| 10 | 10.616 | 1272 | 1280 | 1293 | rBV | 1072631 | 1868428 | 25.73% | 2.391% |
| 11 | 13.169 | 1707 | 1714 | 1721 | rVB2 | 74238 | 114421 | 1.58% | 0.146% |
| 12 | 13.757 | 1807 | 1814 | 1818 | rBV | 2501110 | 3523493 | 48.53% | 4.510% |
| 13 | 13.804 | 1818 | 1822 | 1830 | rVV | 601851 | 879146 | 12.11% | 1.125% |
| 14 | 14.033 | 1850 | 1861 | 1871 | rBV | 2903604 | 4342075 | 59.80% | 5.557% |
| 15 | 14.245 | 1892 | 1897 | 1903 | rBV | 178248 | 227537 | 3.13% | 0.291% |
| 16 | 14.339 | 1905 | 1913 | 1920 | rBV2 | 1969953 | 3050251 | 42.01% | 3.904% |
| 17 | 14.551 | 1942 | 1949 | 1964 | rBV | 1107329 | 1744319 | 24.02% | 2.233% |
| 18 | 14.769 | 1978 | 1986 | 1989 | rVB6 | 43207 | 82255 | 1.13% | 0.105% |
| 19 | 15.204 | 2055 | 2060 | 2065 | rVB | 202293 | 238940 | 3.29% | 0.306% |
| 20 | 15.333 | 2073 | 2082 | 2088 | rBV | 3420174 | 5078329 | 69.94% | 6.500% |
| 21 | 15.457 | 2097 | 2103 | 2111 | rBV | 1040938 | 1438865 | 19.82% | 1.842% |
| 22 | 15.574 | 2116 | 2123 | 2126 | rVV5 | 45001 | 101947 | 1.40% | 0.130% |
| 23 | 16.063 | 2202 | 2206 | 2214 | rBV | 152505 | 234734 | 3.23% | 0.300% |
| 24 | 16.857 | 2337 | 2341 | 2346 | rBV3 | 81387 | 103979 | 1.43% | 0.133% |
| 25 | 17.086 | 2374 | 2380 | 2384 | rBV2 | 2622239 | 3747040 | 51.60% | 4.796% |
| 26 | 17.127 | 2384 | 2387 | 2391 | rVV | 426487 | 582992 | 8.03% | 0.746% |
| 27 | 17.186 | 2391 | 2397 | 2408 | rVB2 | 4018917 | 5607006 | 77.22% | 7.176% |
| 28 | 17.492 | 2445 | 2449 | 2463 | rVB4 | 35414 | 84045 | 1.16% | 0.108% |
| 29 | 17.962 | 2524 | 2529 | 2530 | rBV2 | 84457 | 104875 | 1.44% | 0.134% |
| 30 | 17.992 | 2530 | 2534 | 2544 | rVB2 | 959887 | 1350013 | 18.59% | 1.728% |
| 31 | 18.151 | 2555 | 2561 | 2565 | rBV3 | 142971 | 253779 | 3.50% | 0.325% |
| 32 | 18.192 | 2565 | 2568 | 2573 | rVB | 69095 | 99343 | 1.37% | 0.127% |
| 33 | 18.468 | 2611 | 2615 | 2618 | rBV | 59321 | 82063 | 1.13% | 0.105% |
| 34 | 18.504 | 2618 | 2621 | 2627 | rVB2 | 80067 | 103732 | 1.43% | 0.133% |

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM120617\
Data File : BM013223.D
Acq On : 06 Dec 2017 23:20
Operator : SJ/JU
Sample : I6647-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0247

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 | 18.886 | 2678 | 2686 | 2690 | rBV | 86720 | 160150 | 2.21% | 0.205% |
| 36 | 19.021 | 2705 | 2709 | 2717 | rBV7 | 55349 | 128357 | 1.77% | 0.164% |
| 37 | 19.145 | 2717 | 2730 | 2738 | rBV | 502263 | 999858 | 13.77% | 1.280% |
| 38 | 19.280 | 2748 | 2753 | 2761 | rBV | 1118835 | 1427077 | 19.65% | 1.827% |
| 39 | 19.486 | 2782 | 2788 | 2796 | rBV | 4708943 | 7261109 | 100.00% | 9.294% |
| 40 | 19.839 | 2844 | 2848 | 2854 | rBV4 | 48617 | 84200 | 1.16% | 0.108% |
| 41 | 20.009 | 2873 | 2877 | 2881 | rVB2 | 84579 | 116463 | 1.60% | 0.149% |
| 42 | 20.168 | 2900 | 2904 | 2907 | rBV | 92305 | 118019 | 1.63% | 0.151% |
| 43 | 20.304 | 2923 | 2927 | 2931 | rBV | 132470 | 174461 | 2.40% | 0.223% |
| 44 | 20.351 | 2931 | 2935 | 2939 | rBV2 | 97823 | 130737 | 1.80% | 0.167% |
| 45 | 20.527 | 2961 | 2965 | 2970 | rBV4 | 75300 | 110525 | 1.52% | 0.141% |
| 46 | 20.998 | 3041 | 3045 | 3052 | rBV | 1007518 | 1371796 | 18.89% | 1.756% |
| 47 | 21.274 | 3085 | 3092 | 3096 | rVV | 3500037 | 4693761 | 64.64% | 6.008% |
| 48 | 21.309 | 3096 | 3098 | 3104 | rVB | 220680 | 255101 | 3.51% | 0.327% |
| 49 | 22.127 | 3234 | 3237 | 3242 | rVB3 | 177040 | 223512 | 3.08% | 0.286% |
| 50 | 22.327 | 3269 | 3271 | 3280 | rVB4 | 144685 | 196207 | 2.70% | 0.251% |
| 51 | 22.833 | 3353 | 3357 | 3362 | rBV2 | 230263 | 392539 | 5.41% | 0.502% |
| 52 | 23.362 | 3441 | 3447 | 3462 | rVB2 | 2941799 | 5677151 | 78.19% | 7.266% |
| 53 | 23.503 | 3464 | 3471 | 3478 | rBV | 1776553 | 3268217 | 45.01% | 4.183% |

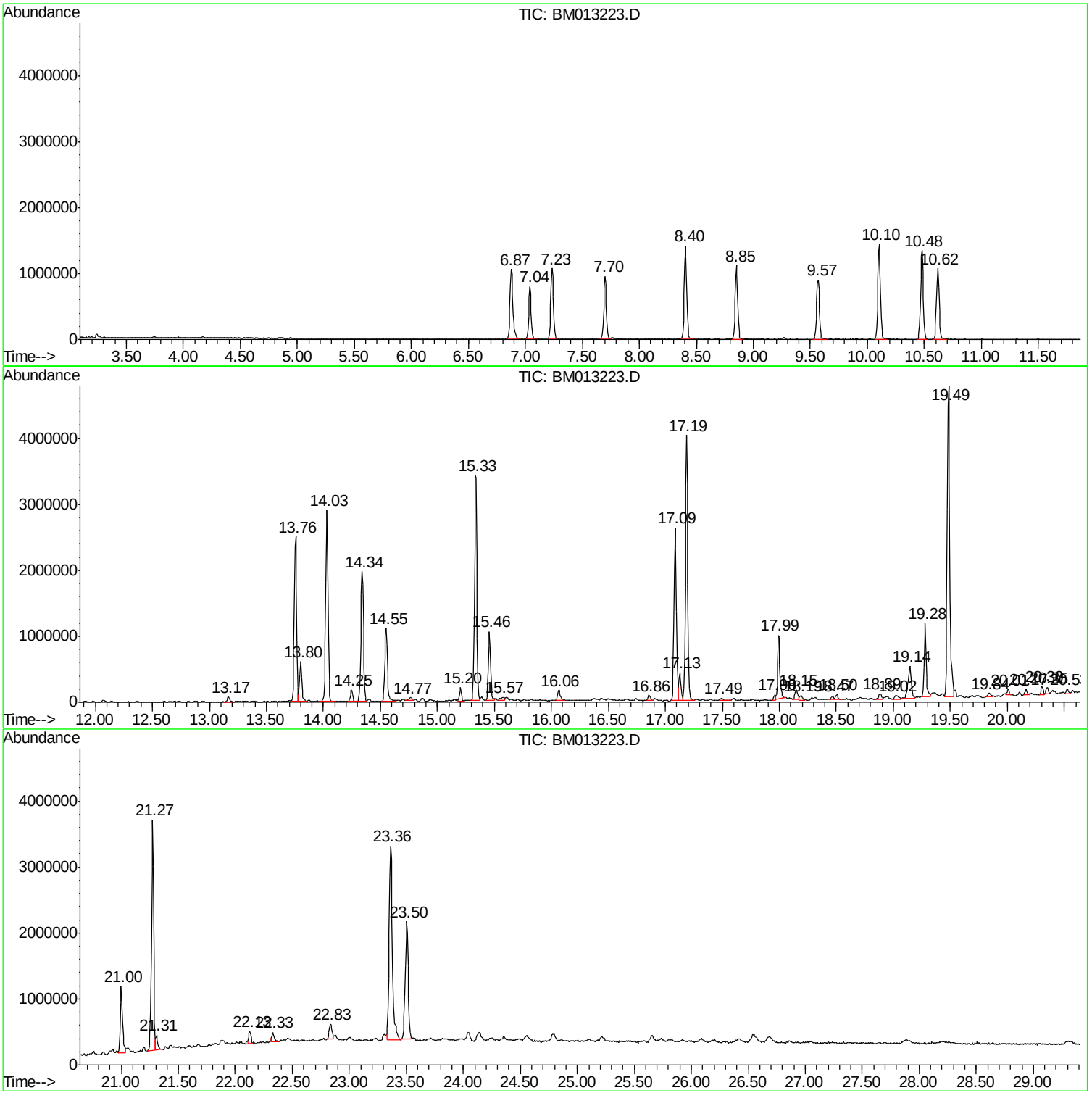
Sum of corrected areas: 78130368

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM120617\
Data File : BM013223.D
Acq On : 06 Dec 2017 23:20
Operator : SJ/JU
Sample : I6647-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
C0247

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\BM120617\
Data File : BM013223.D
Acq On : 06 Dec 2017 23:20
Operator : SJ/JU
Sample : I6647-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0247

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

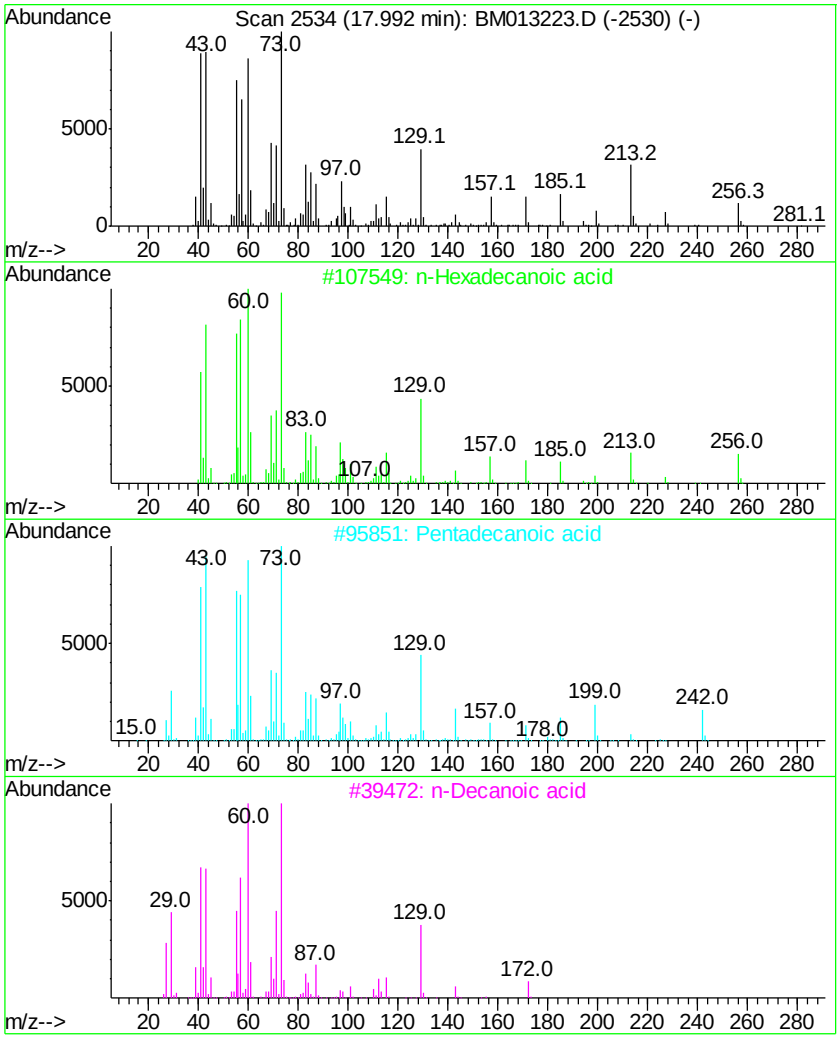
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

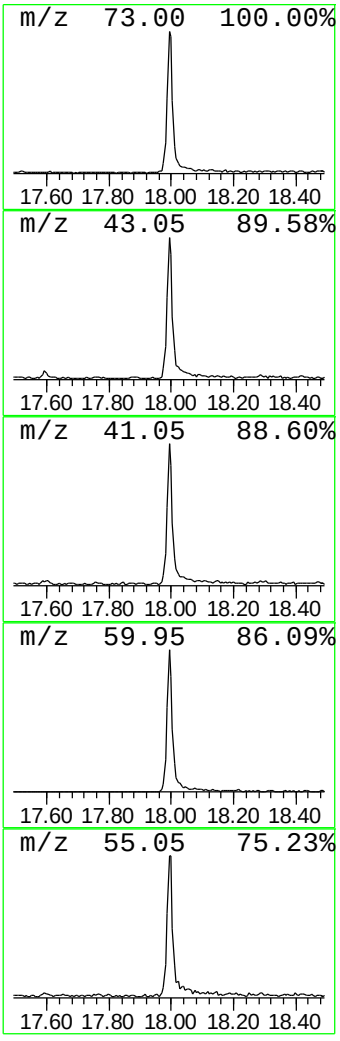
**********

Peak Number 1 n-Hexadecanoic acid Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.99 | 7.21 ng/ul | 1350010 | Phenanthrene-d10 | 17.09 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 96 |
| 2 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 87 |
| 3 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 76 |
| 4 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 72 |
| 5 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 64 |



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM120617\
Data File : BM013223.D
Acq On : 06 Dec 2017 23:20
Operator : SJ/JU
Sample : I6647-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0247

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

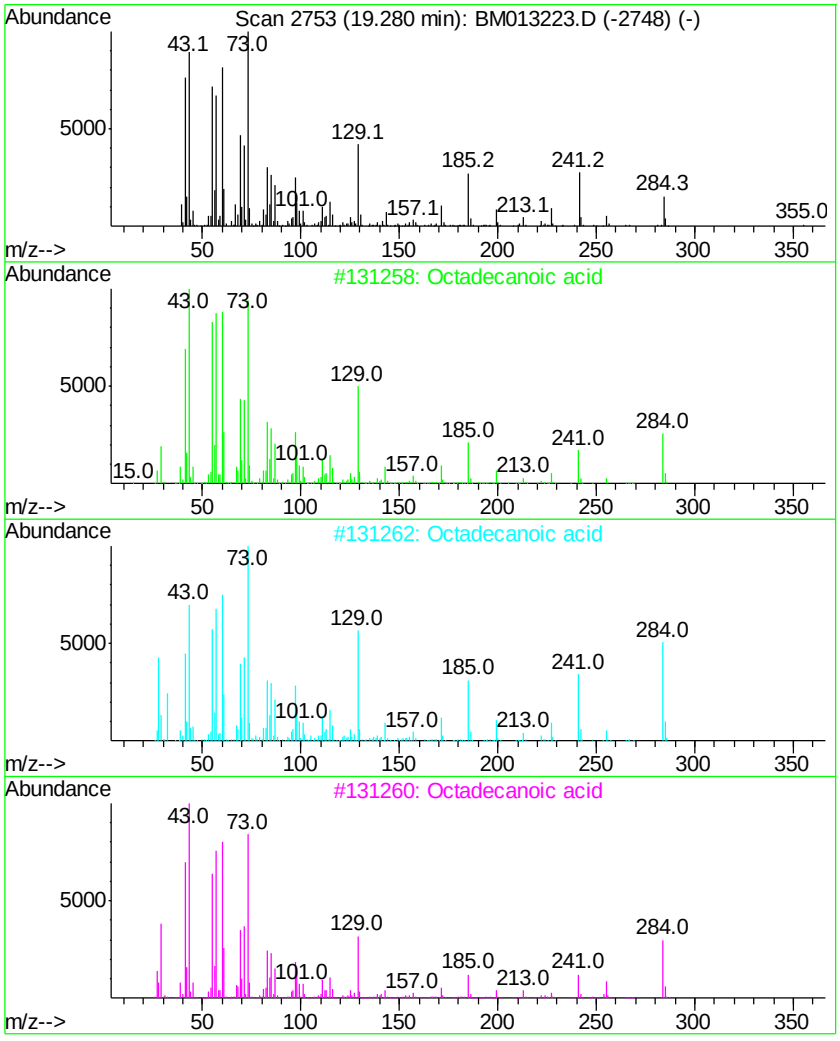
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

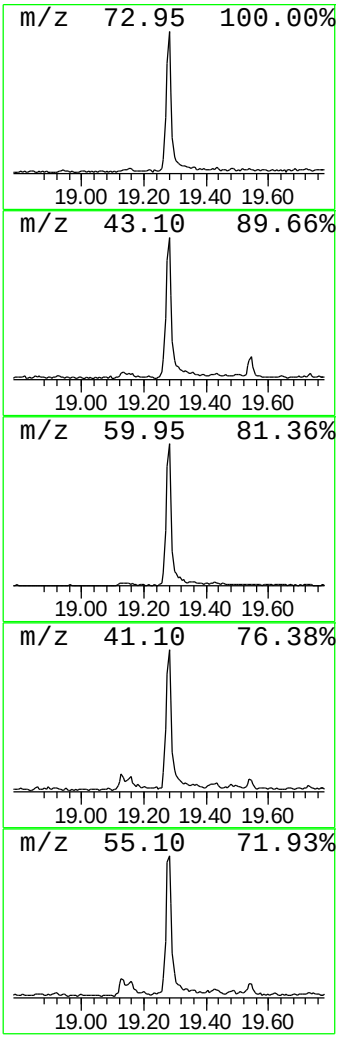
**********

Peak Number 2 Octadecanoic acid Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.28 | 6.08 ng/ul | 1427080 | 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 | 99 |
| 3 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 98 |
| 4 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 95 |
| 5 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 93 |



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM120617\
Data File : BM013223.D
Acq On : 06 Dec 2017 23:20
Operator : SJ/JU
Sample : I6647-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0247

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

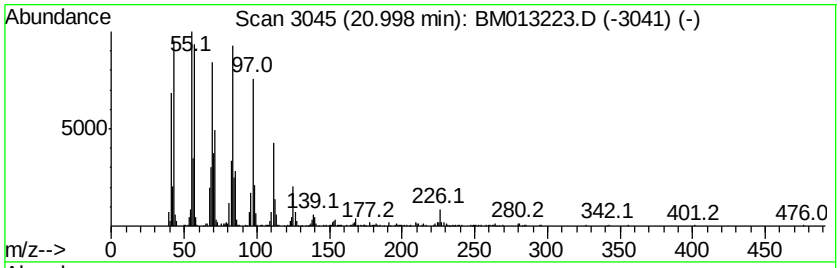
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

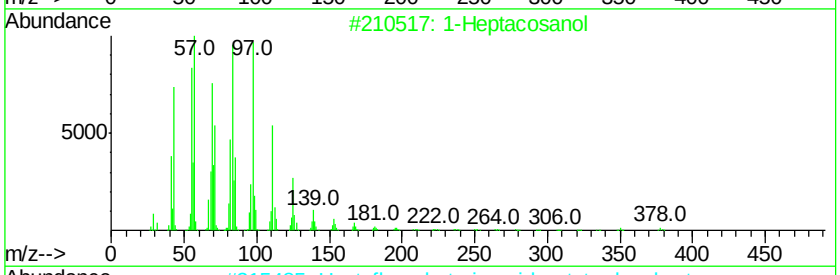
**********

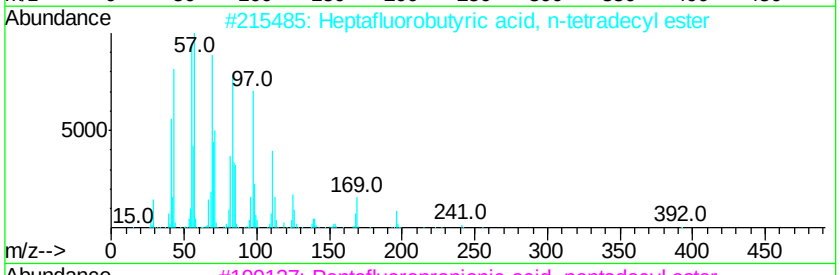
Peak Number 3 1-Heptacosanol Concentration Rank 3

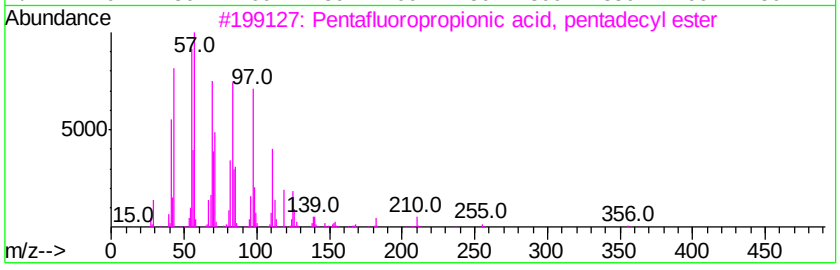
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.00 | 5.85 ng/ul | 1371800 | Chrysene-d12 | 21.27 |

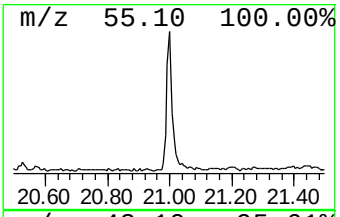
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Heptacosanol | 396 | C27H56O | 002004-39-9 | 94 |
| 2 | Heptafluorobutyric acid, n-tetra... | 410 | C18H29F7O2 | 007365-36-8 | 94 |
| 3 | Pentafluoropropionic acid, penta... | 374 | C18H31F5O2 | 959092-08-1 | 94 |
| 4 | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 94 |
| 5 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 93 |

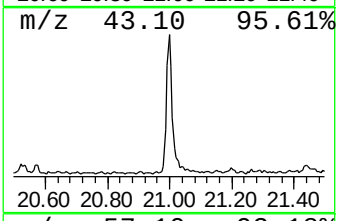


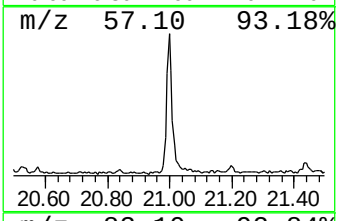



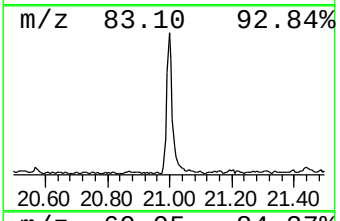



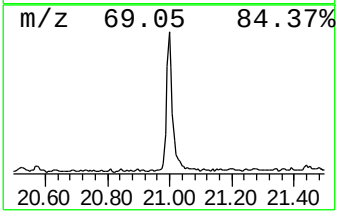



Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM120617\
Data File : BM013223.D
Acq On : 06 Dec 2017 23:20
Operator : SJ/JU
Sample : I6647-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0247

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 | 7.2 | ng/ul | 1350010 | 4 | 17.09 | 3747040 | 20.0 |
| Octadecanoic acid | 19.28 | 6.1 | ng/ul | 1427080 | 5 | 21.27 | 4693760 | 20.0 |
| 1-Heptacosanol | 21.00 | 5.8 | ng/ul | 1371800 | 5 | 21.27 | 4693760 | 20.0 |