LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050421\
Data File : BM029822.D
Acq On : 05 May 2021 12:08
Operator : CG/JU
Sample : M2121-04
Misc :
ALS Vial : 41 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG513

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050421.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 | 3.498 | 102 | 104 | 124 | rVB2 | 227414 | 530761 | 15.96% | 1.688% |
| 2 | 6.751 | 651 | 657 | 674 | rBV2 | 452223 | 986607 | 29.67% | 3.137% |
| 3 | 6.910 | 679 | 684 | 696 | rVB | 334292 | 585632 | 17.61% | 1.862% |
| 4 | 7.104 | 711 | 717 | 742 | rVB | 494417 | 885446 | 26.63% | 2.816% |
| 5 | 7.563 | 789 | 795 | 805 | rBV | 411099 | 701444 | 21.10% | 2.230% |
| 6 | 8.281 | 911 | 917 | 941 | rBV | 526673 | 986501 | 29.67% | 3.137% |
| 7 | 8.722 | 986 | 992 | 1007 | rBV | 423279 | 779308 | 23.44% | 2.478% |
| 8 | 9.145 | 1059 | 1064 | 1072 | rVB3 | 7789 | 16205 | 0.49% | 0.052% |
| 9 | 9.439 | 1107 | 1114 | 1129 | rBV | 355248 | 657570 | 19.78% | 2.091% |
| 10 | 9.975 | 1198 | 1205 | 1225 | rBV | 490349 | 960752 | 28.89% | 3.055% |
| 11 | 10.339 | 1260 | 1267 | 1276 | rBV | 570724 | 973284 | 29.27% | 3.095% |
| 12 | 10.492 | 1286 | 1293 | 1318 | rBV | 419059 | 975775 | 29.35% | 3.103% |
| 13 | 11.957 | 1537 | 1542 | 1545 | rBV6 | 4672 | 8227 | 0.25% | 0.026% |
| 14 | 13.045 | 1723 | 1727 | 1733 | rVB5 | 7329 | 12090 | 0.36% | 0.038% |
| 15 | 13.121 | 1733 | 1740 | 1745 | rBV5 | 6659 | 12253 | 0.37% | 0.039% |
| 16 | 13.633 | 1819 | 1827 | 1832 | rBV | 1003832 | 1448053 | 43.55% | 4.604% |
| 17 | 13.680 | 1832 | 1835 | 1846 | rVB | 168253 | 242612 | 7.30% | 0.771% |
| 18 | 13.904 | 1866 | 1873 | 1890 | rBV | 1236543 | 1868287 | 56.19% | 5.941% |
| 19 | 14.010 | 1890 | 1891 | 1897 | rVV5 | 2935 | 3408 | 0.10% | 0.011% |
| 20 | 14.127 | 1908 | 1911 | 1918 | rVB5 | 6292 | 9391 | 0.28% | 0.030% |
| 21 | 14.210 | 1919 | 1925 | 1939 | rBV | 815528 | 1240825 | 37.32% | 3.946% |
| 22 | 14.451 | 1961 | 1966 | 1983 | rBV2 | 109583 | 364649 | 10.97% | 1.159% |
| 23 | 14.657 | 1999 | 2001 | 2009 | rVB7 | 7732 | 13620 | 0.41% | 0.043% |
| 24 | 14.762 | 2016 | 2019 | 2020 | rBV3 | 3901 | 4283 | 0.13% | 0.014% |
| 25 | 14.857 | 2031 | 2035 | 2038 | rVB4 | 6454 | 8512 | 0.26% | 0.027% |
| 26 | 15.033 | 2060 | 2065 | 2066 | rBV5 | 3050 | 4950 | 0.15% | 0.016% |
| 27 | 15.080 | 2069 | 2073 | 2076 | rVB4 | 4244 | 6333 | 0.19% | 0.020% |
| 28 | 15.209 | 2088 | 2095 | 2112 | rBV | 1527382 | 2203026 | 66.26% | 7.005% |
| 29 | 15.345 | 2112 | 2118 | 2133 | rVV | 243785 | 408783 | 12.29% | 1.300% |
| 30 | 15.451 | 2133 | 2136 | 2145 | rVB5 | 18663 | 34234 | 1.03% | 0.109% |
| 31 | 15.639 | 2165 | 2168 | 2171 | rVB4 | 2962 | 4043 | 0.12% | 0.013% |
| 32 | 15.892 | 2208 | 2211 | 2216 | rVB5 | 3601 | 5542 | 0.17% | 0.018% |
| 33 | 15.945 | 2216 | 2220 | 2223 | rVV7 | 5673 | 7883 | 0.24% | 0.025% |
| 34 | 15.998 | 2225 | 2229 | 2234 | rVB7 | 7703 | 11650 | 0.35% | 0.037% |

LSC Area Percent Report

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Sample : M2121-04
Misc :
ALS Vial : 41 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG513

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
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If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050421.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 16.109 | 2244 | 2248 | 2254 | rBV6 | 2710 | 4645 | 0.14% | 0.015% |
| 36 | 16.204 | 2259 | 2264 | 2270 | rVB3 | 8420 | 12726 | 0.38% | 0.040% |
| 37 | 16.356 | 2285 | 2290 | 2294 | rBV6 | 3363 | 6364 | 0.19% | 0.020% |
| 38 | 16.715 | 2347 | 2351 | 2353 | rBV5 | 4174 | 6366 | 0.19% | 0.020% |
| 39 | 16.956 | 2386 | 2392 | 2402 | rVV | 978241 | 1407106 | 42.32% | 4.474% |
| 40 | 17.056 | 2403 | 2409 | 2425 | rVV2 | 1589544 | 2346289 | 70.56% | 7.461% |
| 41 | 17.174 | 2425 | 2429 | 2436 | rVB8 | 10976 | 22624 | 0.68% | 0.072% |
| 42 | 17.468 | 2476 | 2479 | 2482 | rBV5 | 2487 | 3874 | 0.12% | 0.012% |
| 43 | 17.868 | 2542 | 2547 | 2558 | rBV | 126813 | 221525 | 6.66% | 0.704% |
| 44 | 18.992 | 2735 | 2738 | 2745 | rBV | 16104 | 27680 | 0.83% | 0.088% |
| 45 | 19.156 | 2762 | 2766 | 2776 | rBV4 | 43002 | 85215 | 2.56% | 0.271% |
| 46 | 19.245 | 2777 | 2781 | 2789 | rVB | 18145 | 31135 | 0.94% | 0.099% |
| 47 | 19.356 | 2794 | 2800 | 2810 | rBV | 2127847 | 2856287 | 85.90% | 9.082% |
| 48 | 20.874 | 3053 | 3058 | 3068 | rBV2 | 262472 | 501084 | 15.07% | 1.593% |
| 49 | 21.144 | 3099 | 3104 | 3116 | rBV | 1223242 | 1715346 | 51.59% | 5.454% |
| 50 | 23.174 | 3442 | 3449 | 3463 | rBV | 1760360 | 3325020 | 100.00% | 10.573% |
| 51 | 23.309 | 3465 | 3472 | 3484 | rVB2 | 990577 | 1913592 | 57.55% | 6.085% |

Sum of corrected areas: 31448817

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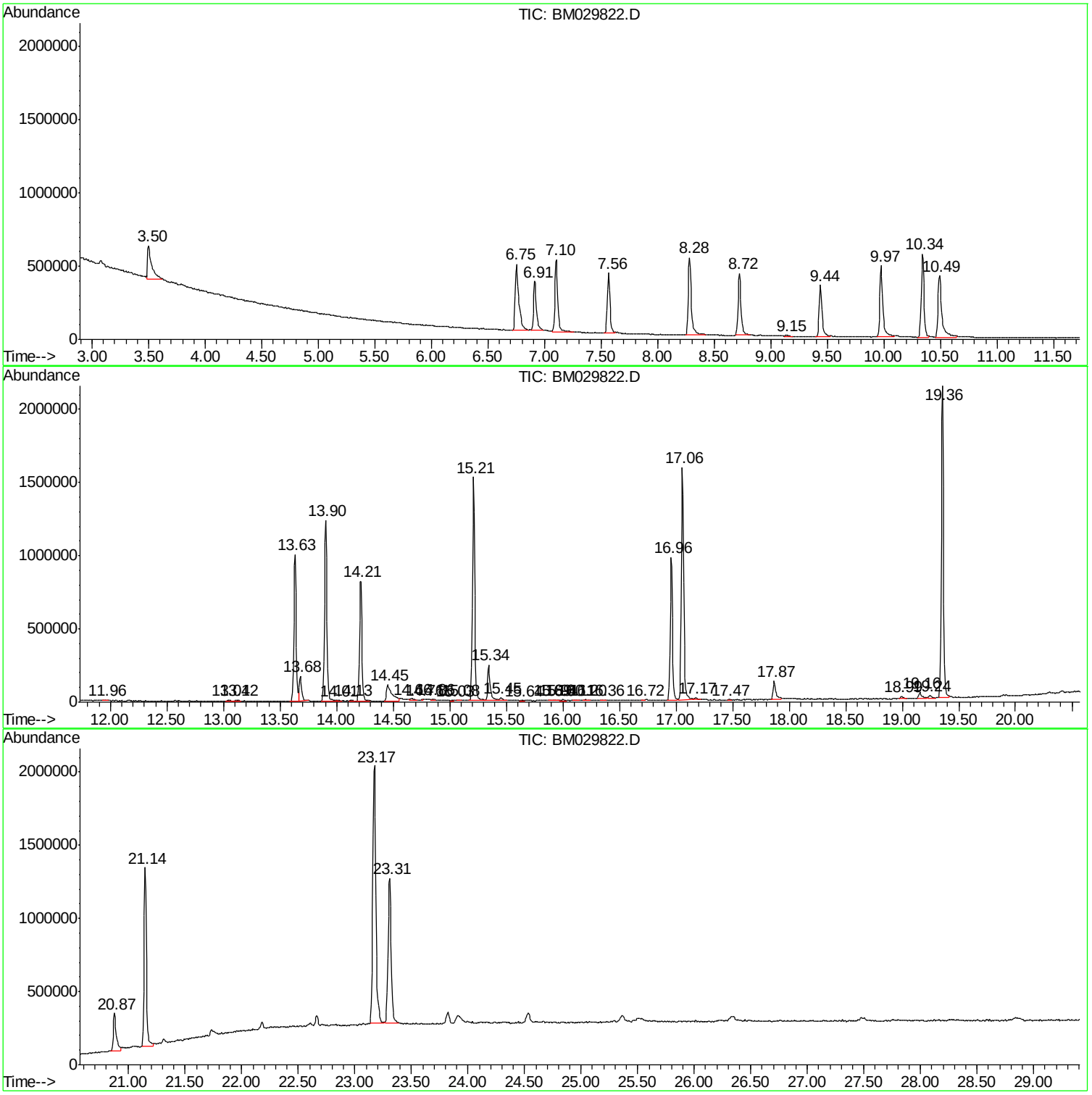
Misc :
ALS Vial : 41 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
BG513

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050421.M
Quant Title : SVOA CALIBRATION

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



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050421.M
Quant Title : SVOA CALIBRATION

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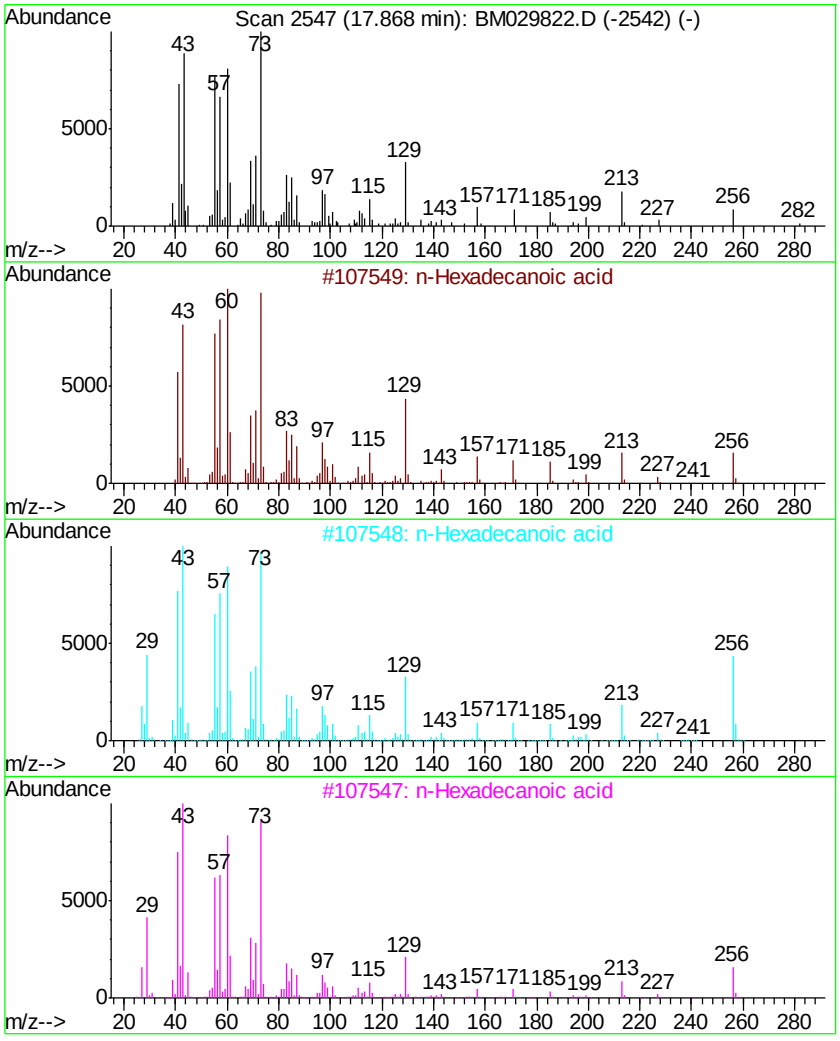
TIC Integration Parameters: LSCINT.P

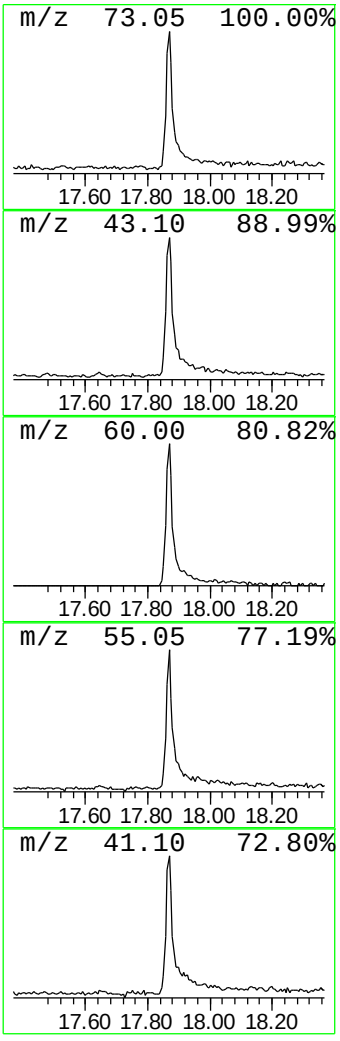
**********

Peak Number 1 n-Hexadecanoic acid Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.87 | 3.15 ng/ul | 221525 | Phenanthrene-d10 | 16.96 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 2 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98 |
| 3 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98 |
| 4 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 91 |
| 5 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 80 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050421\
Data File : BM029822.D
Acq On : 05 May 2021 12:08
Operator : CG/JU
Sample : M2121-04
Misc :
ALS Vial : 41 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG513

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050421.M
Quant Title : SVOA CALIBRATION

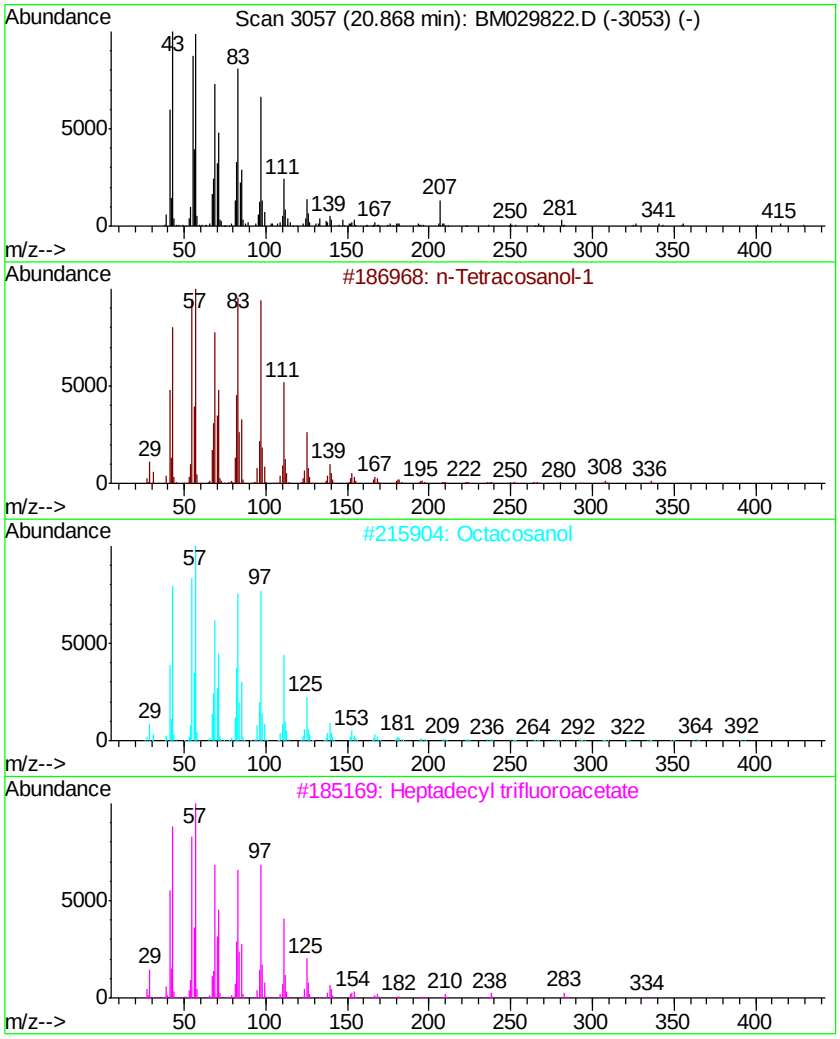
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

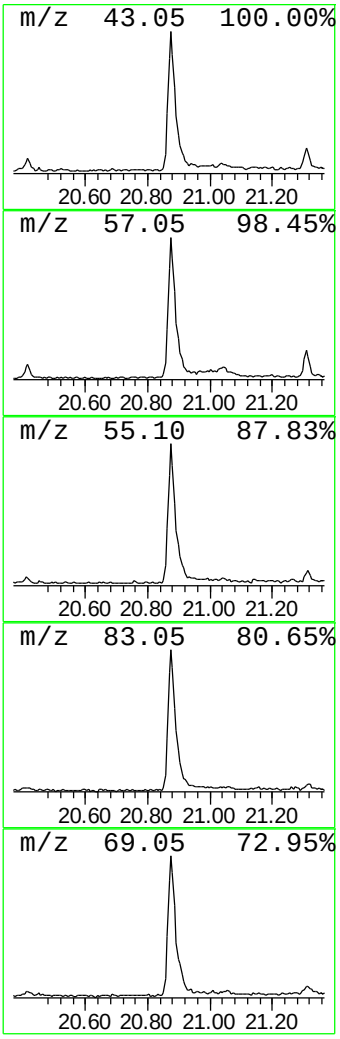
**********

Peak Number 2 n-Tetracosanol-1 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.87 | 5.84 ng/ul | 501084 | Chrysene-d12 | 21.14 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 94 |
| 2 | Octacosanol | 410 | C28H58O | 000557-61-9 | 94 |
| 3 | Heptadecyl trifluoroacetate | 352 | C19H35F3O2 | 1000351-87-0 | 94 |
| 4 | Trichloroacetic acid, pentadecyl... | 372 | C17H31Cl3O2 | 074339-53-0 | 93 |
| 5 | Heptadecyl heptafluorobutyrate | 452 | C21H35F7O2 | 959085-66-6 | 91 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM050421\
Data File : BM029822.D
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Operator : CG/JU
Sample : M2121-04
Misc :
ALS Vial : 41 Sample Multiplier: 1

**Instrument :** BNA_M
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050421.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 | 17.87 | 3.1 | ng/ul | 221525 | 4 | 16.96 | 1407110 | 20.0 |
| n-Tetracosanol-1 | 20.87 | 5.8 | ng/ul | 501084 | 5 | 21.14 | 1715350 | 20.0 |