LSC Area Percent Report

Data Path : U:\HPCHEM1\BNA M\DATA\BM020218\
Data File : BM014141.D
Acq On : 03 Feb 2018 07:41
Operator : SJ/JU
Sample : J1339-04
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6C94

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-BM013118.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 | 6.739 | 633 | 638 | 654 | rBV | 356672 | 693093 | 23.00% | 2.199% |
| 2 | 6.898 | 660 | 665 | 673 | rBV | 295738 | 470634 | 15.62% | 1.493% |
| 3 | 7.087 | 691 | 697 | 716 | rVB2 | 447460 | 763700 | 25.35% | 2.423% |
| 4 | 7.551 | 769 | 776 | 789 | rBV | 413684 | 712324 | 23.64% | 2.260% |
| 5 | 8.269 | 892 | 898 | 914 | rBV | 458854 | 873337 | 28.99% | 2.770% |
| 6 | 8.710 | 966 | 973 | 985 | rBV | 426184 | 758289 | 25.17% | 2.405% |
| 7 | 9.422 | 1088 | 1094 | 1104 | rBV | 361513 | 695212 | 23.08% | 2.205% |
| 8 | 9.963 | 1179 | 1186 | 1196 | rBV2 | 477216 | 930300 | 30.88% | 2.951% |
| 9 | 10.322 | 1240 | 1247 | 1255 | rBV | 606170 | 973046 | 32.30% | 3.087% |
| 10 | 10.480 | 1268 | 1274 | 1286 | rBV | 374510 | 814013 | 27.02% | 2.582% |
| 11 | 13.627 | 1803 | 1809 | 1814 | rBV | 1052844 | 1532490 | 50.87% | 4.861% |
| 12 | 13.674 | 1814 | 1817 | 1825 | rVB | 142610 | 233518 | 7.75% | 0.741% |
| 13 | 13.898 | 1848 | 1855 | 1869 | rBV | 1173189 | 1801844 | 59.81% | 5.716% |
| 14 | 14.110 | 1886 | 1891 | 1896 | rBV3 | 35772 | 50663 | 1.68% | 0.161% |
| 15 | 14.204 | 1901 | 1907 | 1918 | rVV3 | 867620 | 1370009 | 45.47% | 4.346% |
| 16 | 14.457 | 1945 | 1950 | 1964 | rBV2 | 180851 | 537272 | 17.83% | 1.704% |
| 17 | 15.068 | 2049 | 2054 | 2059 | rVB3 | 44340 | 58568 | 1.94% | 0.186% |
| 18 | 15.210 | 2071 | 2078 | 2089 | rBV | 1498856 | 2221678 | 73.74% | 7.047% |
| 19 | 15.357 | 2098 | 2103 | 2113 | rBV2 | 338950 | 598562 | 19.87% | 1.899% |
| 20 | 15.457 | 2116 | 2120 | 2129 | rVB8 | 23587 | 57109 | 1.90% | 0.181% |
| 21 | 15.933 | 2197 | 2201 | 2209 | rBV2 | 41055 | 72427 | 2.40% | 0.230% |
| 22 | 16.727 | 2332 | 2336 | 2339 | rBV2 | 24519 | 35688 | 1.18% | 0.113% |
| 23 | 16.962 | 2370 | 2376 | 2385 | rBV | 1208677 | 1699167 | 56.40% | 5.390% |
| 24 | 17.062 | 2385 | 2393 | 2408 | rVV | 1652169 | 2478273 | 82.26% | 7.861% |
| 25 | 17.651 | 2487 | 2493 | 2496 | rBV6 | 22602 | 33963 | 1.13% | 0.108% |
| 26 | 17.868 | 2526 | 2530 | 2540 | rBV2 | 195072 | 333733 | 11.08% | 1.059% |
| 27 | 19.009 | 2719 | 2724 | 2728 | rBV4 | 28308 | 48049 | 1.59% | 0.152% |
| 28 | 19.162 | 2746 | 2750 | 2761 | rBV3 | 128683 | 244637 | 8.12% | 0.776% |
| 29 | 19.262 | 2762 | 2767 | 2770 | rVB4 | 21838 | 37659 | 1.25% | 0.119% |
| 30 | 19.368 | 2779 | 2785 | 2798 | rBV | 2030423 | 2881607 | 95.65% | 9.141% |
| 31 | 20.886 | 3039 | 3043 | 3052 | rBV | 329653 | 470315 | 15.61% | 1.492% |
| 32 | 21.168 | 3086 | 3091 | 3099 | rBV2 | 1586767 | 2104018 | 69.84% | 6.674% |
| 33 | 23.209 | 3431 | 3438 | 3449 | rVB2 | 1641698 | 3012796 | 100.00% | 9.557% |
| 34 | 23.344 | 3455 | 3461 | 3470 | rVB2 | 1007559 | 1927080 | 63.96% | 6.113% |

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM013118.M
Title : SVOA CALIBRATION

Sum of corrected areas: 31525073

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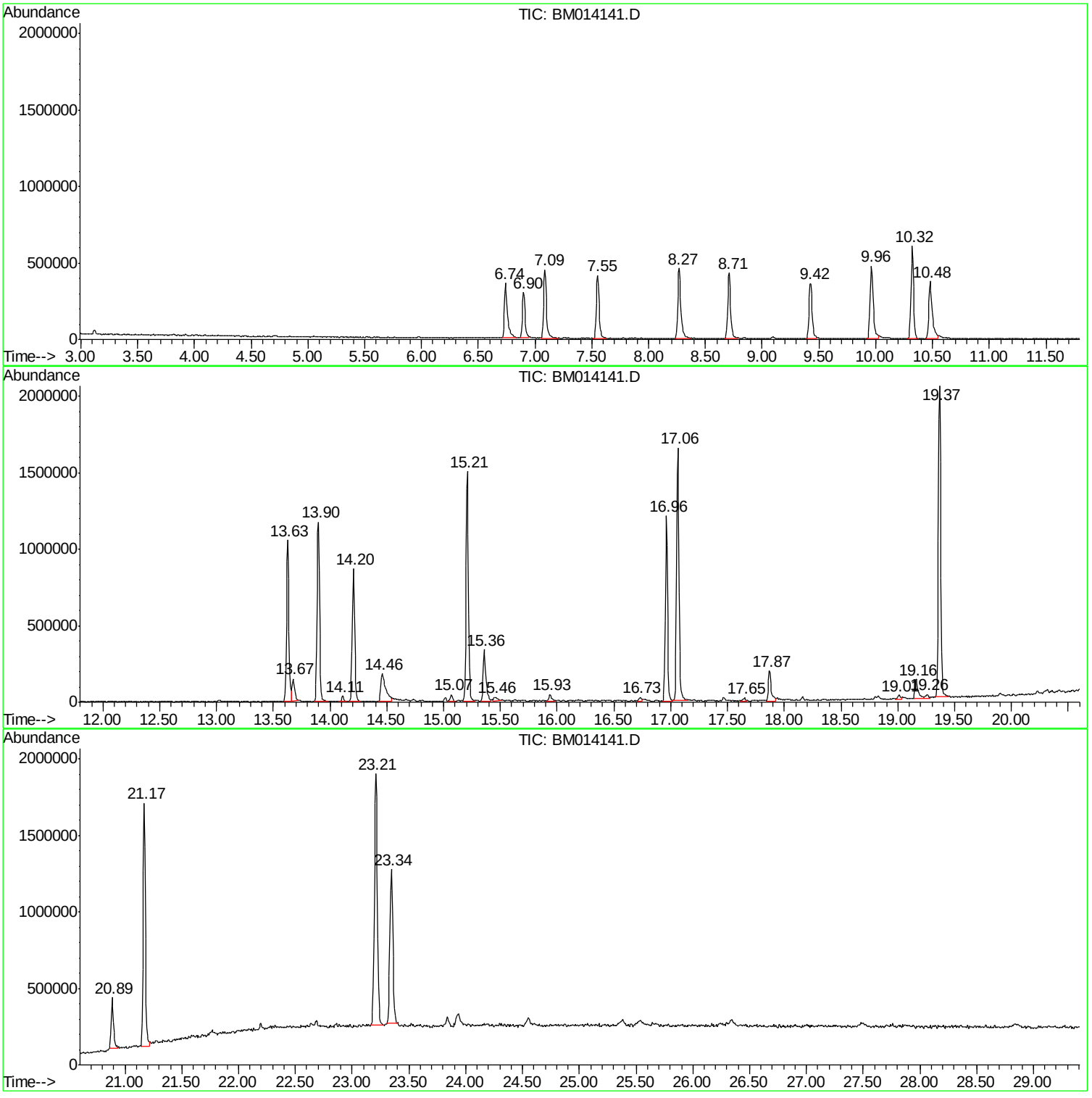
**Instrument :**
BNA_M
**ClientSampleId :**
F6C94

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM013118.M
Quant Title : SVOA CALIBRATION

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



# Library Search Compound Report

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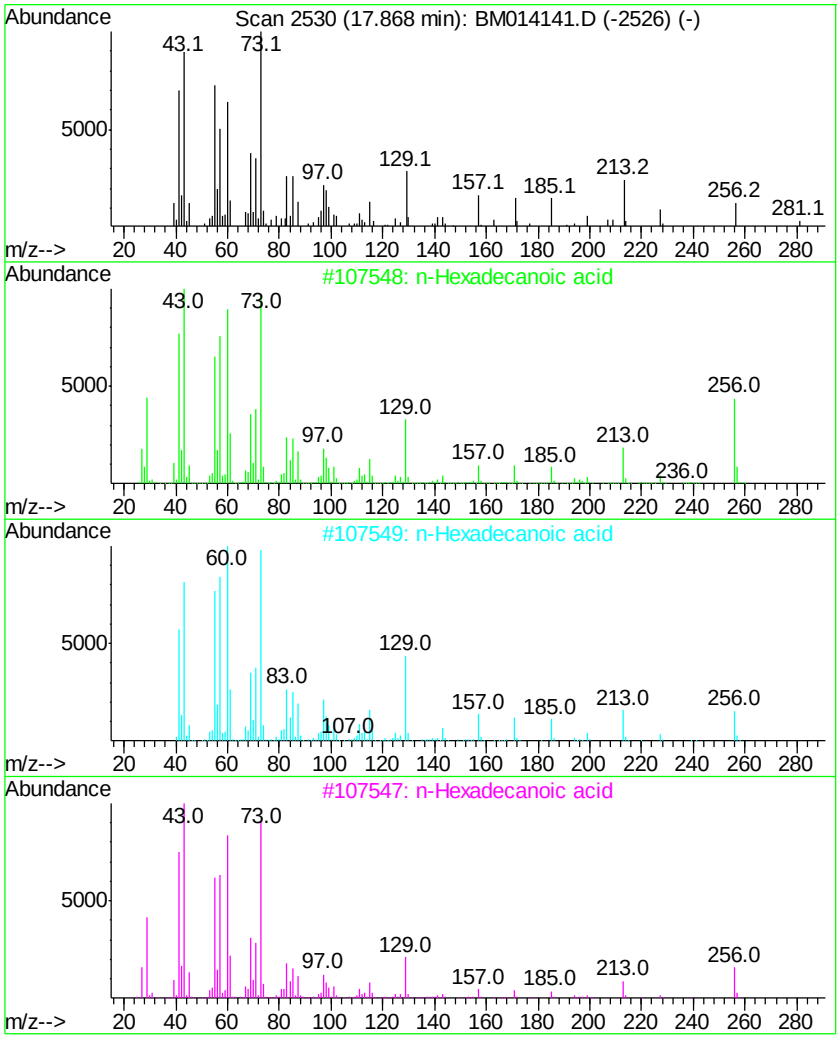
TIC Integration Parameters: LSCINT.P

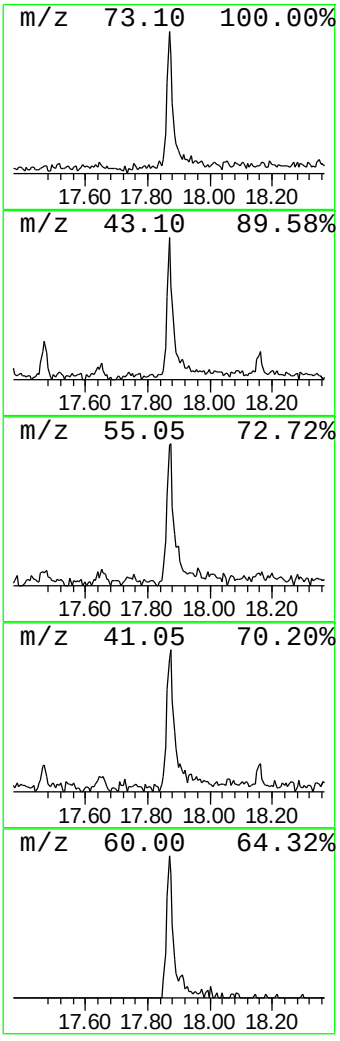
**********

Peak Number 1 n-Hexadecanoic acid Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.87 | 3.93 ng/ul | 333733 | Phenanthrene-d10 | 16.96 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 68 |
| 2 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 60 |
| 3 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 43 |
| 4 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 41 |
| 5 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 38 |



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Sample : J1339-04
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6C94

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM013118.M
Quant Title : SVOA CALIBRATION

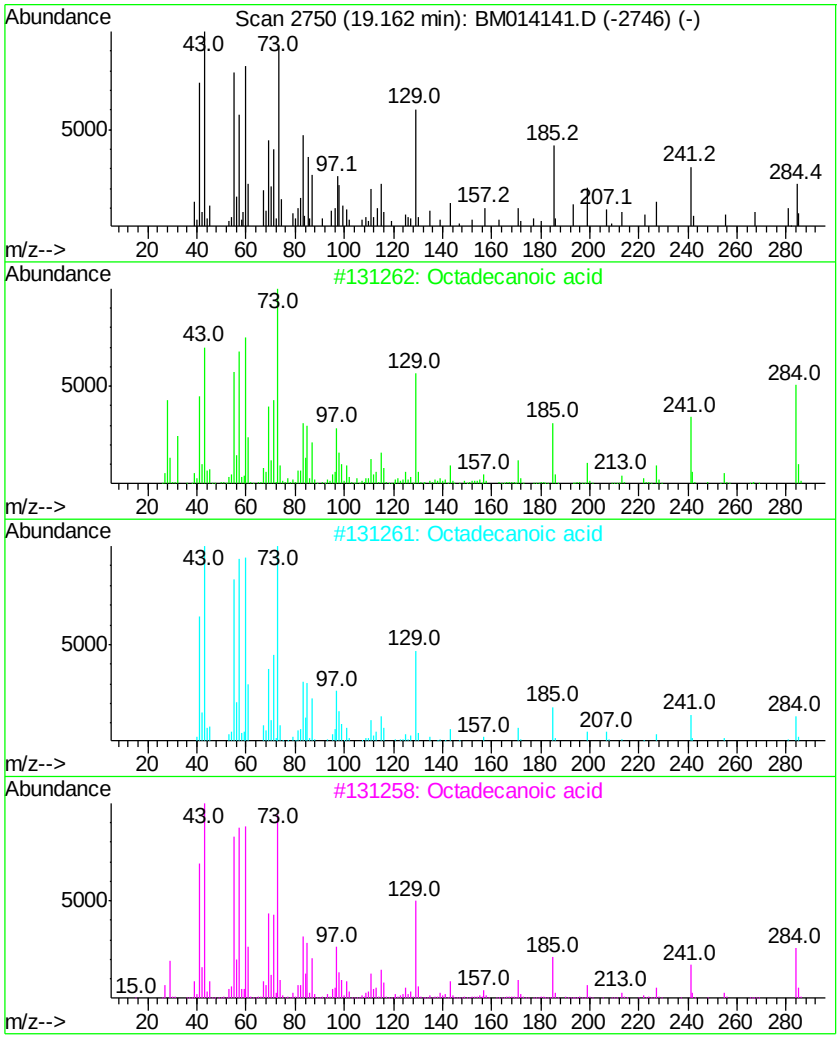
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

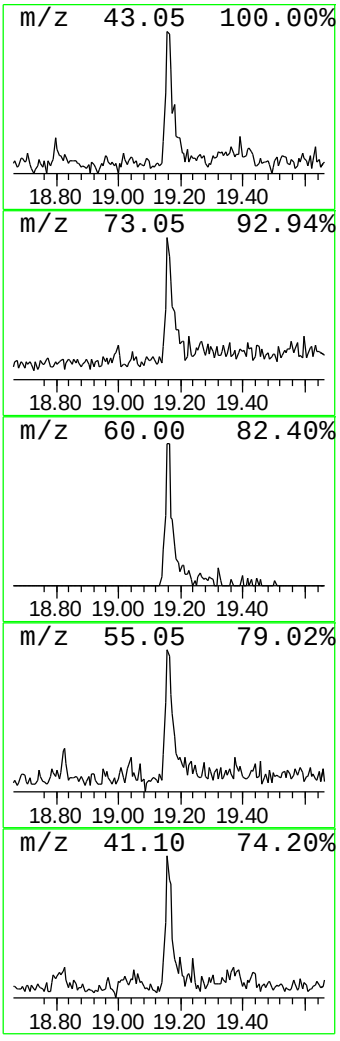
**********

Peak Number 2 Octadecanoic acid Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.16 | 2.33 ng/ul | 244637 | Chrysene-d12 | 21.17 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 98 |
| 2 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 93 |
| 3 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 83 |
| 4 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 62 |
| 5 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 50 |



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Quant Title : SVOA CALIBRATION

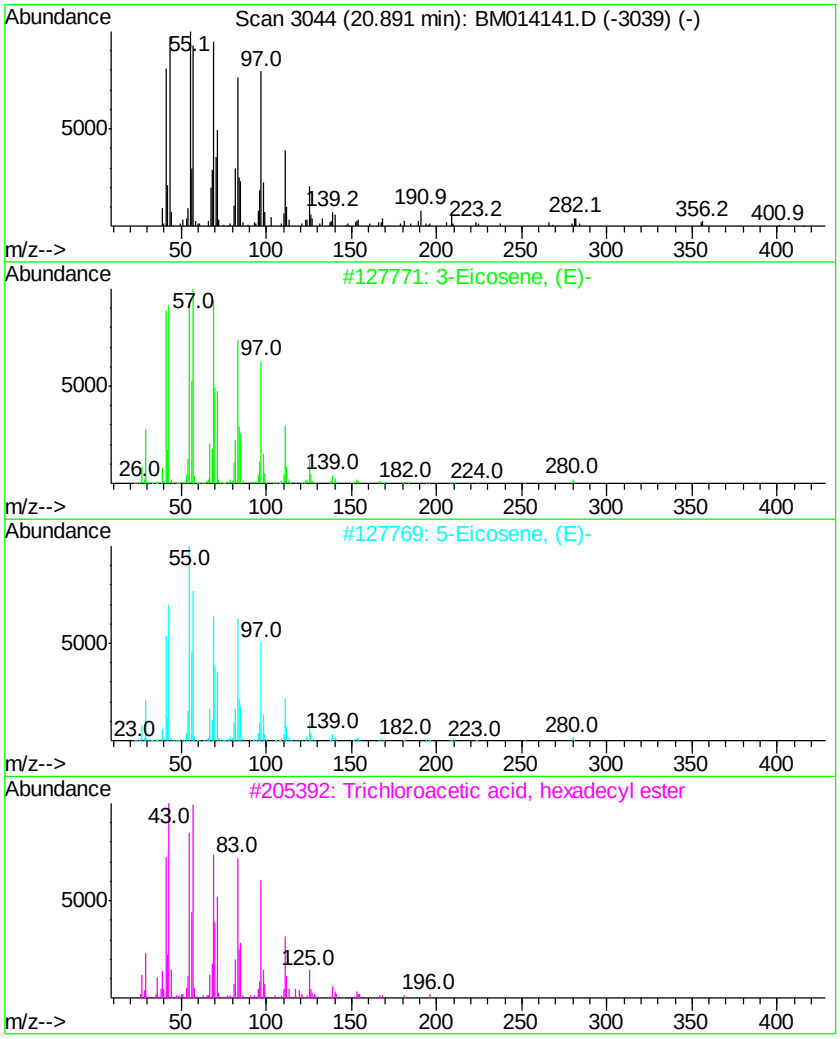
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

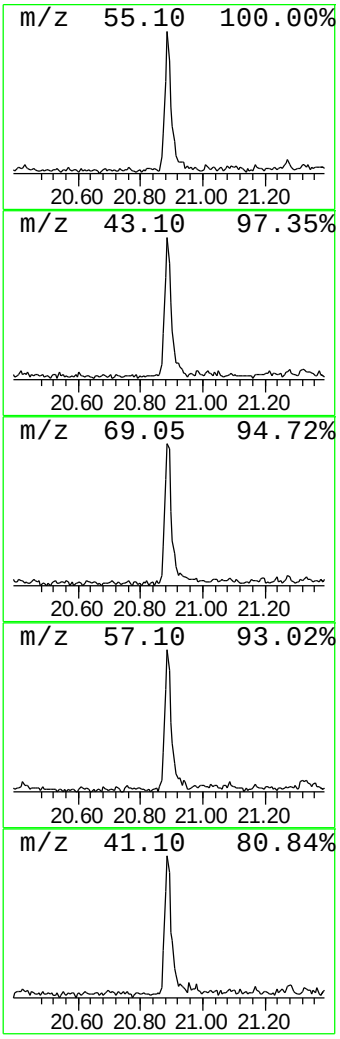
**********

Peak Number 3 (DEL) Alkane: Cyclic20.89 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.89 | 4.47 ng/ul | 470315 | Chrysene-d12 | 21.17 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Eicosene, (E)- | 280 | C20H40 | 074685-33-9 | 98 |
| 2 | 5-Eicosene, (E)- | 280 | C20H40 | 074685-30-6 | 96 |
| 3 | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 94 |
| 4 | 9-Eicosene, (E)- | 280 | C20H40 | 074685-29-3 | 93 |
| 5 | Heptafluorobutyric acid, pentade... | 424 | C19H31F7O2 | 959261-23-5 | 91 |



Tentatively Identified Compound (LSC) summary

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TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| n-Hexadecanoic acid | 17.87 | 3.9 | ng/ul | 333733 | 4 | 16.96 | 1699170 | 20.0 |
| Octadecanoic acid | 19.16 | 2.3 | ng/ul | 244637 | 5 | 21.17 | 2104020 | 20.0 |
| (DEL) Alkane: Cyc... | 20.89 | 4.5 | ng/ul | 470315 | 5 | 21.17 | 2104020 | 20.0 |