LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120517\
Data File : BF101142.D
Acq On : 6 Dec 2017 00:12
Operator : SJ/JU
Sample : I6702-01
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MH-4-E(0-1)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_F\METHODS\8270-BF113017.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.087 | 507 | 510 | 523 | rBB | 56696 | 79820 | 5.38% | 0.693% |
| 2 | 5.475 | 571 | 576 | 579 | rBV | 1292871 | 1208871 | 81.45% | 10.503% |
| 3 | 6.481 | 742 | 747 | 762 | rVB | 1103744 | 1255168 | 84.57% | 10.905% |
| 4 | 6.622 | 766 | 771 | 774 | rBV | 1347942 | 1293713 | 87.17% | 11.240% |
| 5 | 6.845 | 806 | 809 | 813 | rBV | 383307 | 303916 | 20.48% | 2.640% |
| 6 | 7.004 | 832 | 836 | 839 | rBV | 1170000 | 1009590 | 68.02% | 8.771% |
| 7 | 7.416 | 900 | 906 | 909 | rBV | 744298 | 767113 | 51.69% | 6.665% |
| 8 | 8.127 | 1023 | 1027 | 1034 | rBV | 471956 | 396994 | 26.75% | 3.449% |
| 9 | 9.204 | 1204 | 1210 | 1213 | rBV | 1743300 | 1484149 | 100.00% | 12.894% |
| 10 | 9.598 | 1272 | 1277 | 1284 | rBV | 76131 | 75775 | 5.11% | 0.658% |
| 11 | 9.804 | 1308 | 1312 | 1315 | rBV | 35650 | 28784 | 1.94% | 0.250% |
| 12 | 9.886 | 1321 | 1326 | 1334 | rVB | 453939 | 432314 | 29.13% | 3.756% |
| 13 | 10.304 | 1394 | 1397 | 1400 | rVB | 47206 | 32961 | 2.22% | 0.286% |
| 14 | 10.674 | 1456 | 1460 | 1471 | rVB | 867996 | 822786 | 55.44% | 7.148% |
| 15 | 10.774 | 1474 | 1477 | 1484 | rVB | 31945 | 29273 | 1.97% | 0.254% |
| 16 | 11.374 | 1575 | 1579 | 1582 | rBV | 447850 | 415920 | 28.02% | 3.614% |
| 17 | 12.957 | 1844 | 1848 | 1851 | rBV | 1260646 | 1198379 | 80.75% | 10.412% |
| 18 | 13.839 | 1995 | 1998 | 2005 | rBV | 86427 | 87279 | 5.88% | 0.758% |
| 19 | 14.015 | 2024 | 2028 | 2032 | rBV | 315224 | 277936 | 18.73% | 2.415% |
| 20 | 15.492 | 2274 | 2279 | 2290 | rBV | 223671 | 287072 | 19.34% | 2.494% |
| 21 | 16.421 | 2428 | 2437 | 2442 | rBV4 | 10510 | 22285 | 1.50% | 0.194% |

Sum of corrected areas: 11510098

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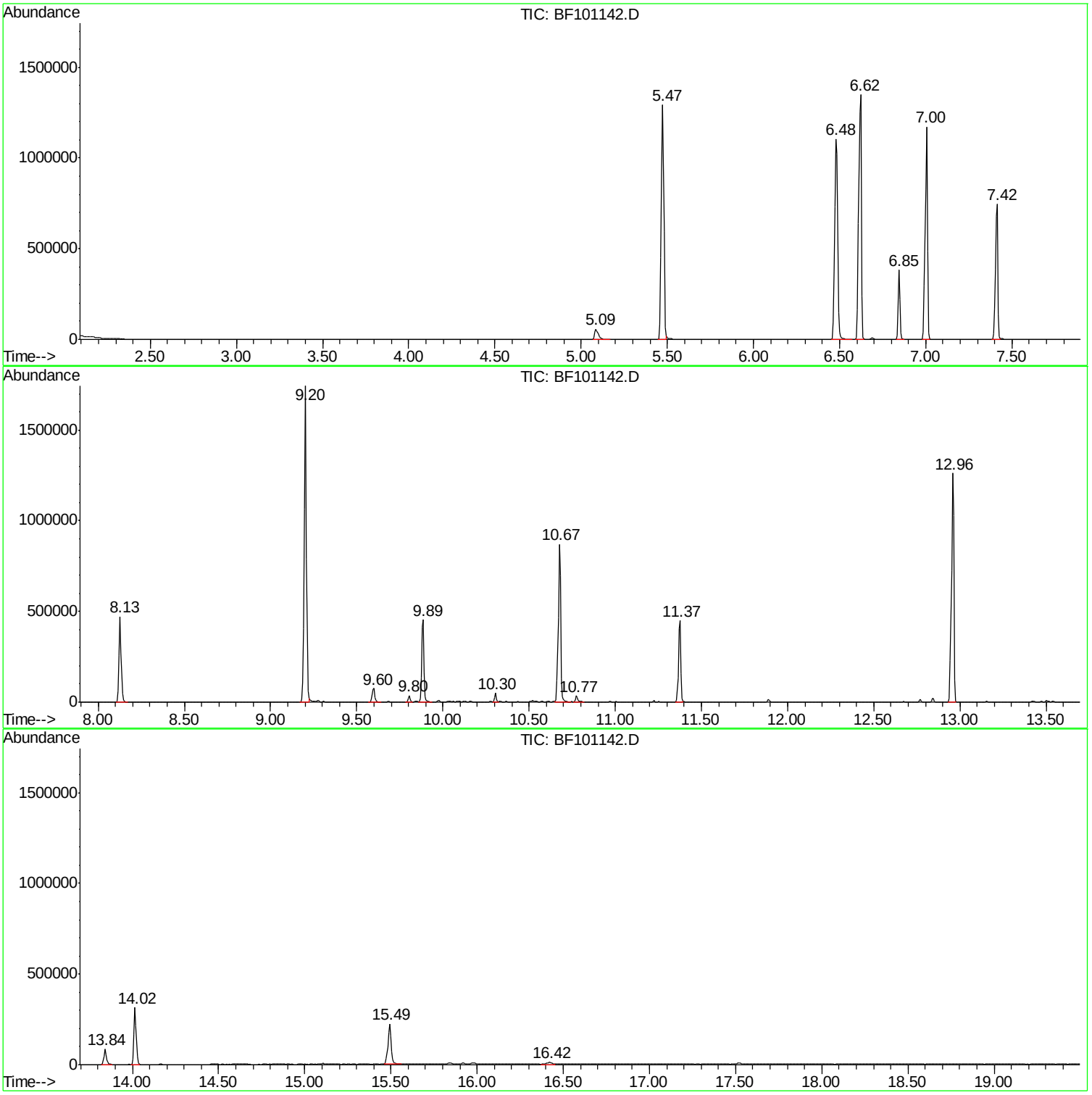
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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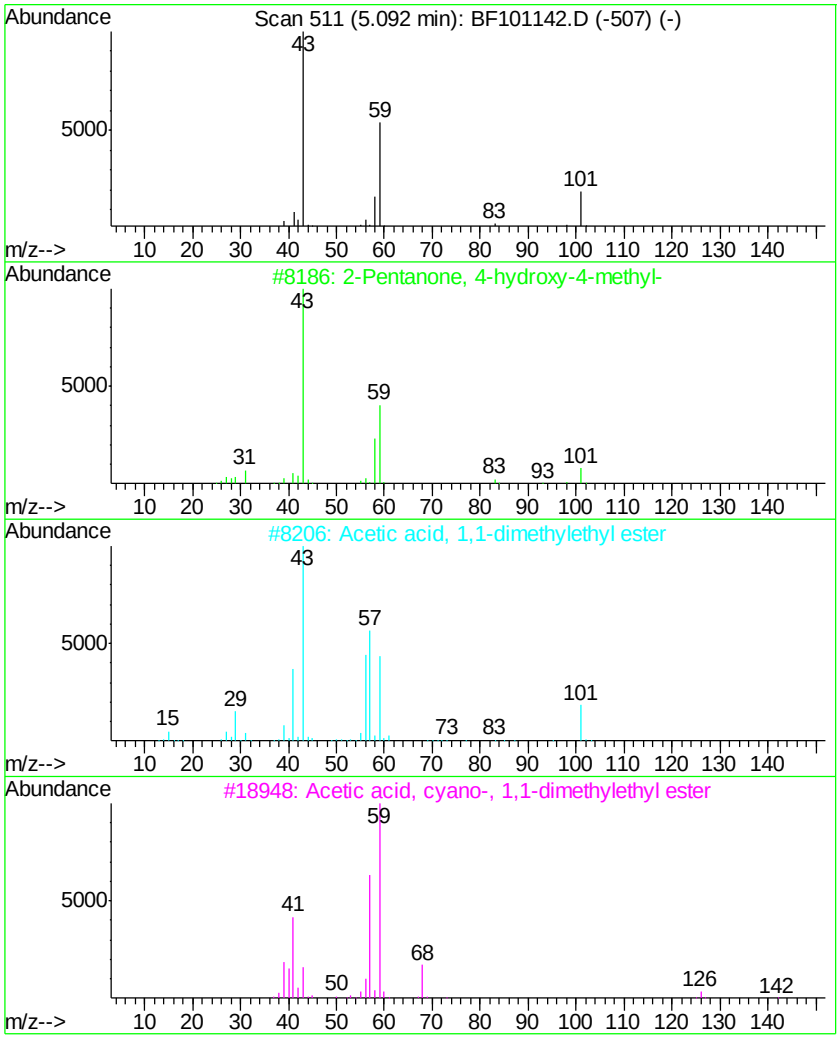
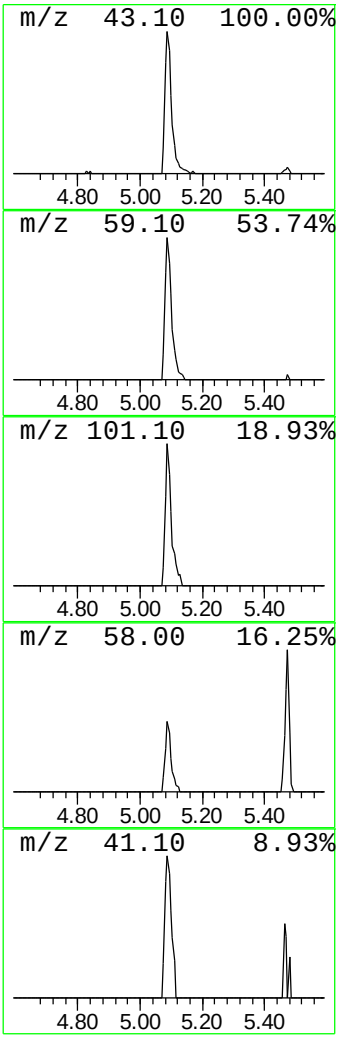
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.09 | 5.25 ng | 79820 | 1,4-Dichlorobenzene-d4 | 6.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 56 |
| 2 | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 39 |
| 3 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 23 |
| 4 | Acetone | 58 | C3H6O | 000067-64-1 | 9 |
| 5 | (+-)-4-Amino-4,5-dihydro-2(3H)-f... | 101 | C4H7NO2 | 016504-58-8 | 9 |



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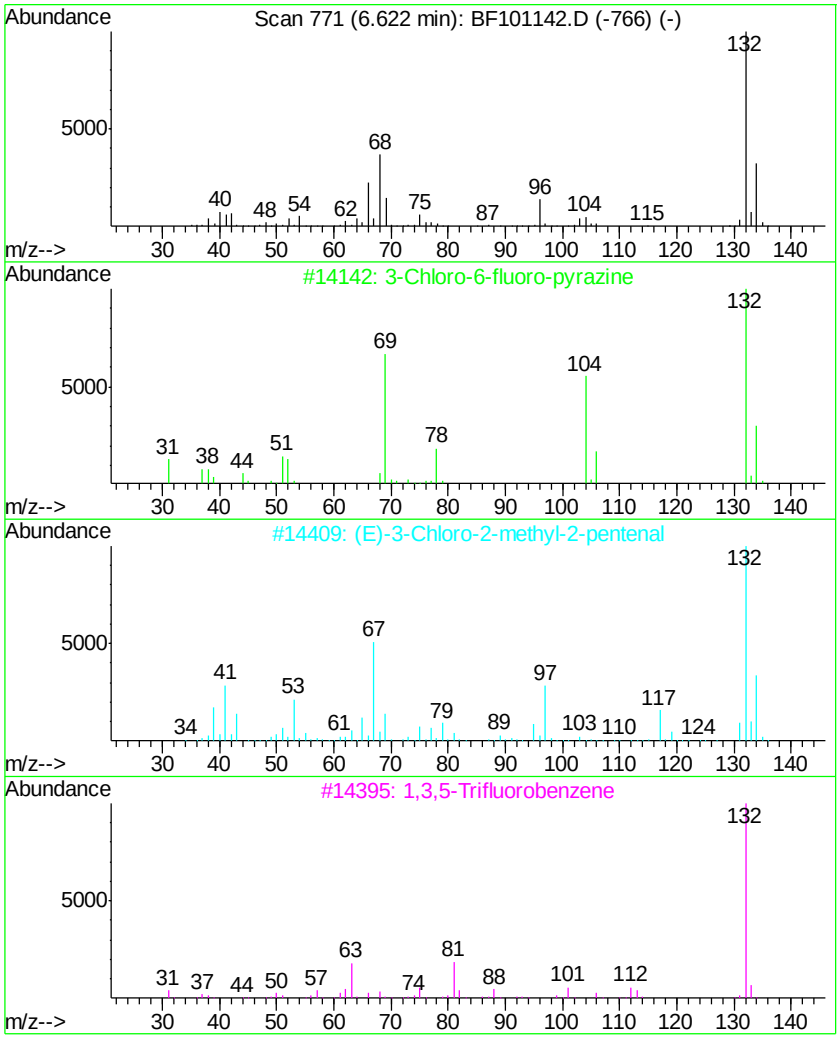
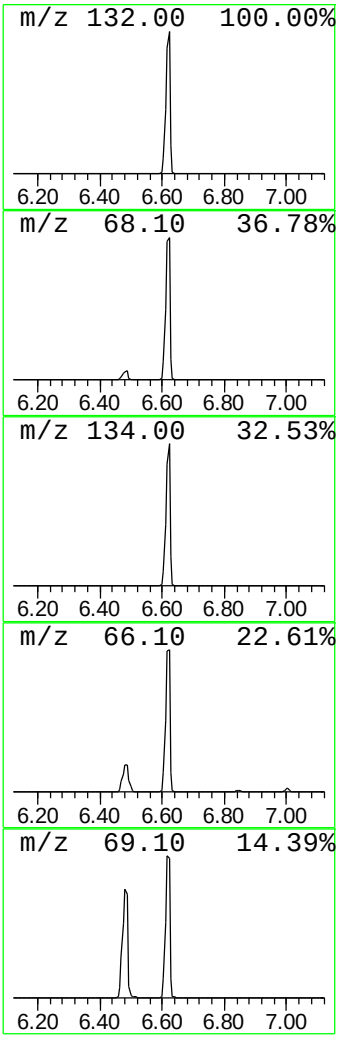
Peak Number 2 unknown6.62 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.62 | 85.14 ng | 1293710 | 1,4-Dichlorobenzene-d4 | 6.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 35 |
| 2 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 17 |
| 3 | 1,3,5-Trifluorobenzene | 132 | C6H3F3 | 000372-38-3 | 9 |
| 4 | Xenon | 132 | Xe | 007440-63-3 | 9 |
| 5 | 1-Methylpyrrolo[1,2-a]pyrazine | 132 | C8H8N2 | 064608-59-9 | 9 |



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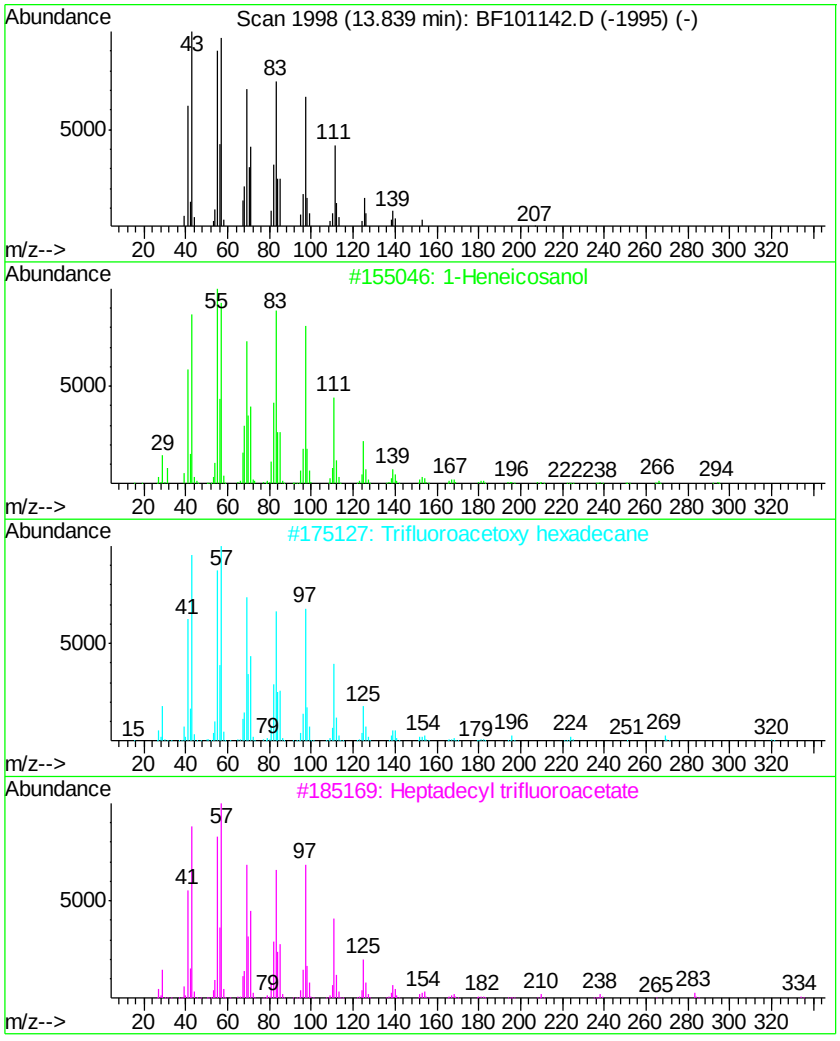
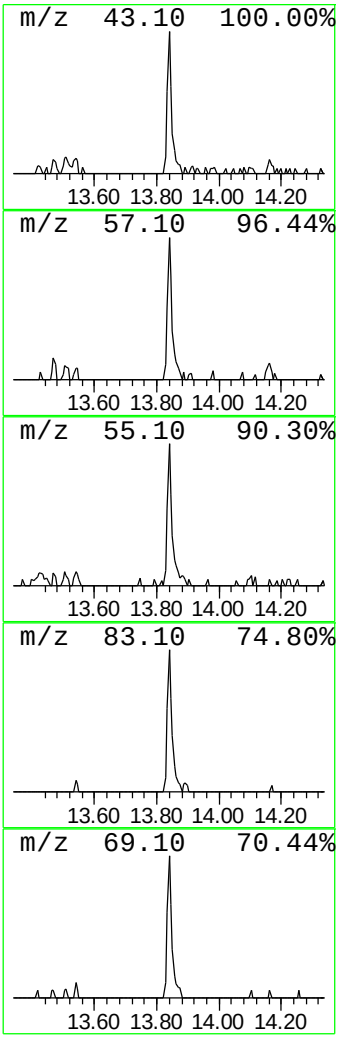
Peak Number 4 1-Heneicosanol Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.84 | 6.28 ng | 87279 | Chrysene-d12 | 14.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 95 |
| 2 | Trifluoroacetoxy hexadecane | 338 | C18H33F3O2 | 006222-03-3 | 95 |
| 3 | Heptadecyl trifluoroacetate | 352 | C19H35F3O2 | 1000351-87-0 | 93 |
| 4 | Octacosanol | 410 | C28H58O | 000557-61-9 | 91 |
| 5 | 1-Nonadecene | 266 | C19H38 | 018435-45-5 | 91 |



Tentatively Identified Compound (LSC) summary

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| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| 2-Pentanone, 4-hy... | 5.09 | 5.3 | ng | 79820 | 1 | 6.85 | 303916 | 20.0 |
| unknown6.62 | 6.62 | 85.1 | ng | 1293710 | 1 | 6.85 | 303916 | 20.0 |
| 1-Heneicosanol | 13.84 | 6.3 | ng | 87279 | 5 | 14.02 | 277936 | 20.0 |