LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102817\
Data File : BF099916.D
Acq On : 28 Oct 2017 14:44
Operator : SJ/JU
Sample : I6071-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** ENV-116-5(10-15)

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-BF102317.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 | 5.010 | 494 | 497 | 514 | rBV | 183605 | 293968 | 12.20% | 1.593% |
| 2 | 5.410 | 562 | 565 | 592 | rBV | 1594947 | 1839594 | 76.31% | 9.971% |
| 3 | 6.433 | 735 | 739 | 757 | rBV | 1734821 | 1865496 | 77.39% | 10.111% |
| 4 | 6.563 | 757 | 761 | 768 | rVB | 2016512 | 1934457 | 80.25% | 10.485% |
| 5 | 6.786 | 796 | 799 | 808 | rBV | 647908 | 585193 | 24.28% | 3.172% |
| 6 | 6.939 | 821 | 825 | 844 | rBB | 1765029 | 1615450 | 67.02% | 8.756% |
| 7 | 7.357 | 892 | 896 | 909 | rBV | 1269102 | 1187506 | 49.26% | 6.437% |
| 8 | 8.069 | 1013 | 1017 | 1033 | rBV | 947697 | 816360 | 33.87% | 4.425% |
| 9 | 9.145 | 1195 | 1200 | 1203 | rBV | 2591933 | 2410540 | 100.00% | 13.066% |
| 10 | 9.251 | 1215 | 1218 | 1223 | rVB | 97276 | 78617 | 3.26% | 0.426% |
| 11 | 9.539 | 1264 | 1267 | 1273 | rVB | 323834 | 258248 | 10.71% | 1.400% |
| 12 | 9.822 | 1311 | 1315 | 1325 | rVB2 | 988863 | 857331 | 35.57% | 4.647% |
| 13 | 10.239 | 1384 | 1386 | 1389 | rVB | 43084 | 29463 | 1.22% | 0.160% |
| 14 | 10.457 | 1417 | 1423 | 1425 | rBV3 | 20308 | 25080 | 1.04% | 0.136% |
| 15 | 10.539 | 1434 | 1437 | 1441 | rVB | 88447 | 77733 | 3.22% | 0.421% |
| 16 | 10.616 | 1447 | 1450 | 1460 | rBV | 1007274 | 963031 | 39.95% | 5.220% |
| 17 | 10.710 | 1463 | 1466 | 1476 | rVB | 49742 | 67029 | 2.78% | 0.363% |
| 18 | 11.316 | 1565 | 1569 | 1578 | rBV | 799580 | 722444 | 29.97% | 3.916% |
| 19 | 11.827 | 1653 | 1656 | 1659 | rBV | 36305 | 34648 | 1.44% | 0.188% |
| 20 | 11.863 | 1659 | 1662 | 1668 | rVB | 66073 | 52161 | 2.16% | 0.283% |
| 21 | 12.898 | 1833 | 1838 | 1841 | rBV | 1701187 | 1541759 | 63.96% | 8.357% |
| 22 | 13.774 | 1983 | 1987 | 1993 | rBV2 | 70669 | 77751 | 3.23% | 0.421% |
| 23 | 13.962 | 2015 | 2019 | 2026 | rBV | 529244 | 498943 | 20.70% | 2.704% |
| 24 | 15.427 | 2263 | 2268 | 2278 | rVB | 408145 | 537069 | 22.28% | 2.911% |
| 25 | 15.809 | 2328 | 2333 | 2338 | rVB3 | 18697 | 29280 | 1.21% | 0.159% |
| 26 | 16.292 | 2411 | 2415 | 2419 | rBV3 | 15937 | 25420 | 1.05% | 0.138% |
| 27 | 17.527 | 2621 | 2625 | 2631 | rVB7 | 11621 | 24688 | 1.02% | 0.134% |

Sum of corrected areas: 18449259

LSC Report - Integrated Chromatogram

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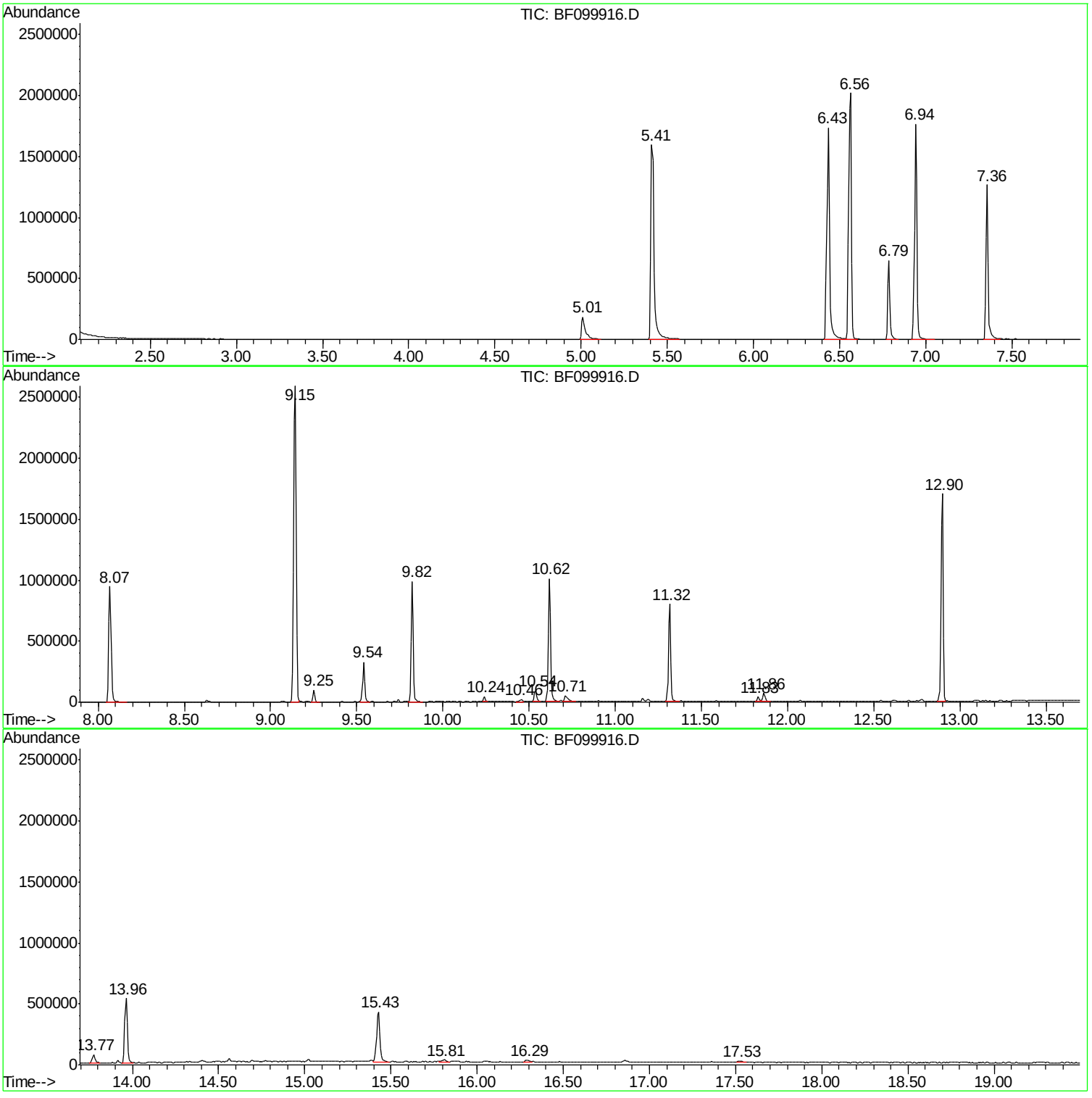
**Instrument :** BNA_F
**ClientSampleId :** ENV-116-5(10-15)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.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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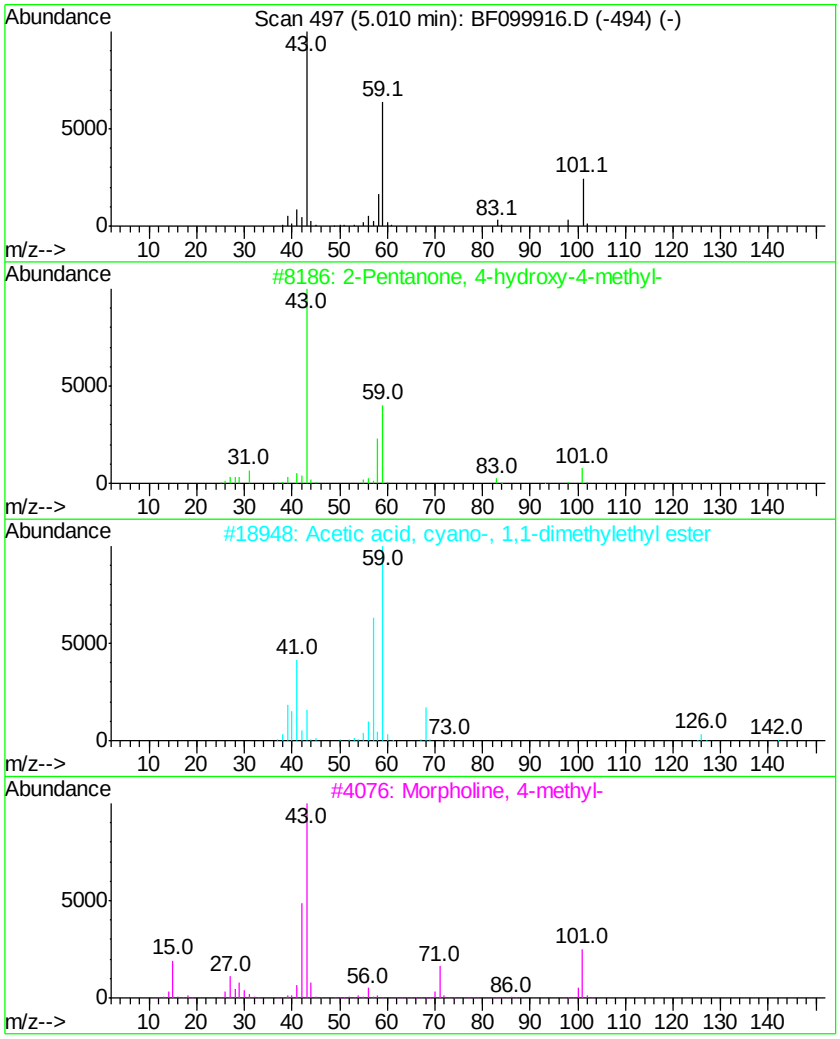
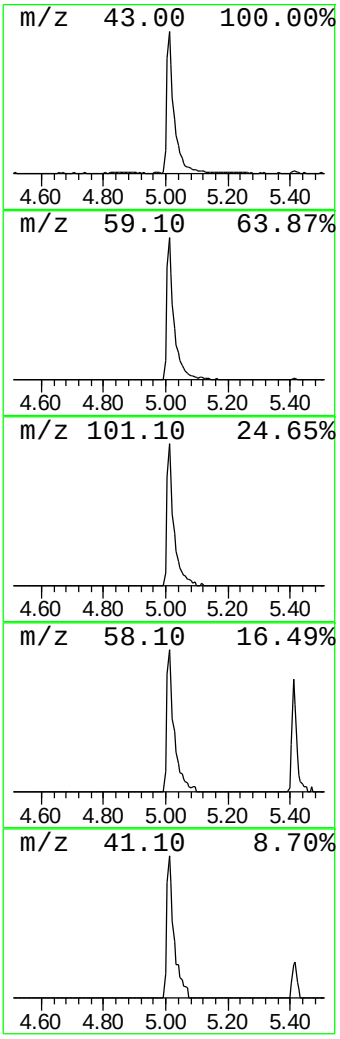
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.01 | 10.05 ng | 293968 | 1,4-Dichlorobenzene-d4 | 6.79 |

| 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, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 23 |
| 3 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 9 |
| 4 | Guanidine | 59 | CH5N3 | 000113-00-8 | 9 |
| 5 | (+-)-4-Amino-4,5-dihydro-2(3H)-f... | 101 | C4H7NO2 | 016504-58-8 | 9 |



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ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** ENV-116-5(10-15)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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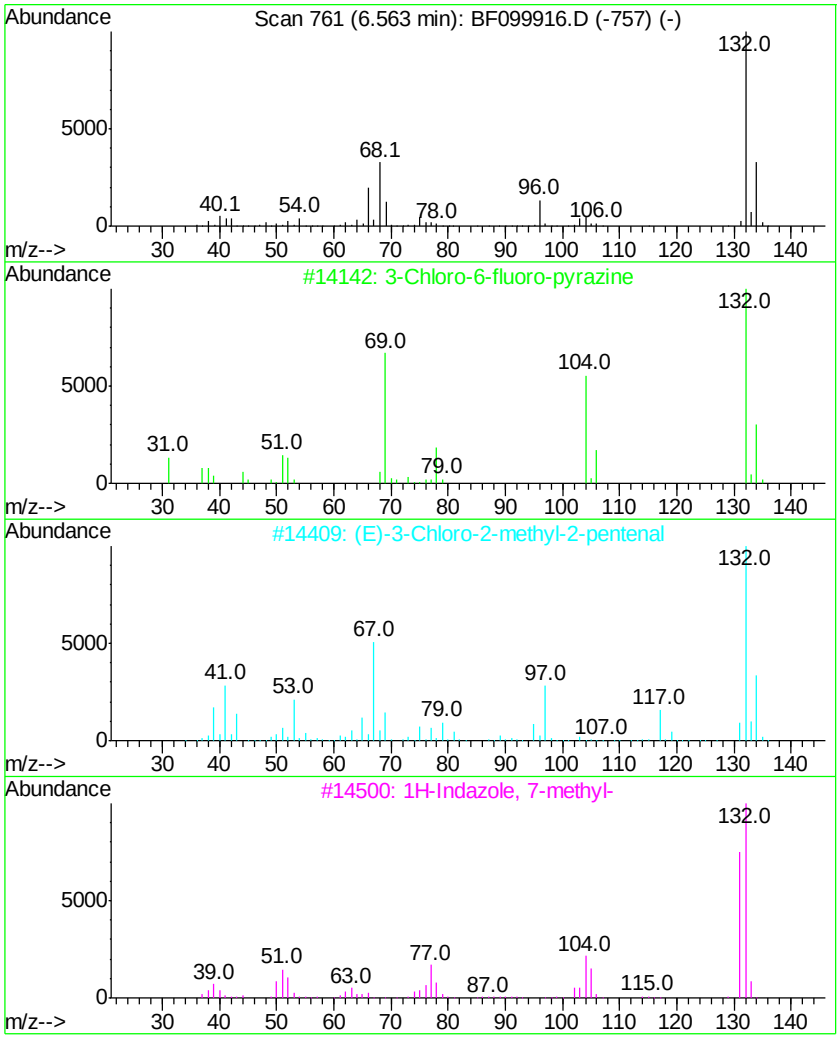
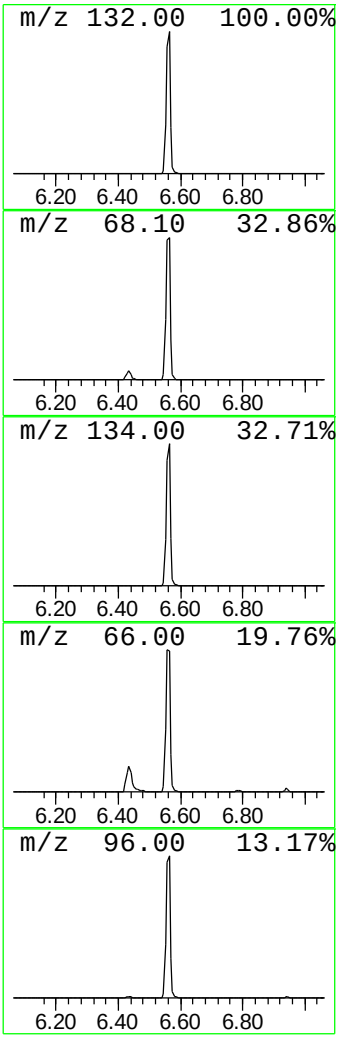
Peak Number 2 unknown6.56 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.56 | 66.11 ng | 1934460 | 1,4-Dichlorobenzene-d4 | 6.79 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 38 |
| 2 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 17 |
| 3 | 1H-Indazole, 7-methyl- | 132 | C8H8N2 | 1000316-00-7 | 10 |
| 4 | Xenon | 132 | Xe | 007440-63-3 | 9 |
| 5 | 4-Chloro-2-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-00-5 | 9 |



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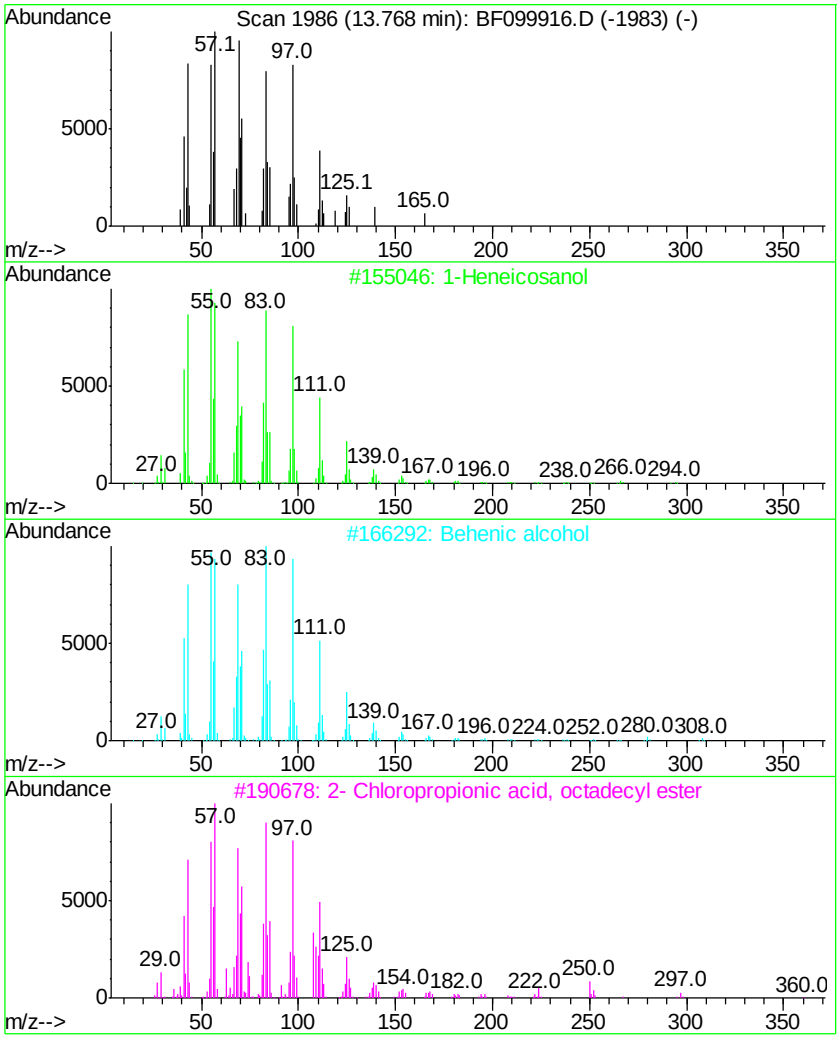
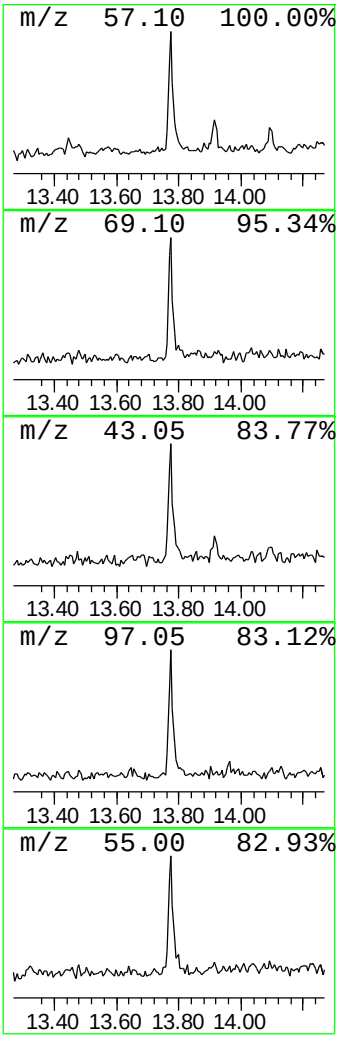
Peak Number 4 1-Heneicosanol Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.77 | 3.12 ng | 77751 | Chrysene-d12 | 13.96 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 95 |
| 2 | Behenic alcohol | 326 | C22H46O | 000661-19-8 | 94 |
| 3 | 2- Chloropropionic acid, octadec... | 360 | C21H41ClO2 | 088104-31-8 | 94 |
| 4 | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 93 |
| 5 | Heptadecyl trifluoroacetate | 352 | C19H35F3O2 | 1000351-87-0 | 93 |



# 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... | 5.01 | 10.1 | ng | 293968 | 1 | 6.79 | 585193 | 20.0 |
| unknown6.56 | 6.56 | 66.1 | ng | 1934460 | 1 | 6.79 | 585193 | 20.0 |
| 1-Heneicosanol | 13.77 | 3.1 | ng | 77751 | 5 | 13.96 | 498943 | 20.0 |