# LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\Data\BF041917\
Data File : BF094519.D
Acq On : 19 Apr 2017 16:50
Operator : SJ/MA
Sample : I2752-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 15-50-COMP

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-BF041717.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 | 3.925 | 334 | 338 | 347 | rBV | 444029 | 498563 | 15.31% | 1.787% |
| 2 | 4.325 | 402 | 406 | 409 | rBV | 2803315 | 2680719 | 82.30% | 9.608% |
| 3 | 5.395 | 583 | 588 | 600 | rBV | 2426441 | 2820406 | 86.59% | 10.108% |
| 4 | 5.525 | 605 | 610 | 613 | rBV | 2979152 | 2887645 | 88.65% | 10.349% |
| 5 | 5.772 | 648 | 652 | 655 | rBV | 732451 | 671561 | 20.62% | 2.407% |
| 6 | 5.948 | 677 | 682 | 685 | rBV | 2496306 | 2252487 | 69.15% | 8.073% |
| 7 | 6.419 | 757 | 762 | 765 | rBV | 1913921 | 1909966 | 58.64% | 6.845% |
| 8 | 7.260 | 901 | 905 | 909 | rBV | 1094311 | 957563 | 29.40% | 3.432% |
| 9 | 8.584 | 1125 | 1130 | 1134 | rBV | 3167430 | 3257180 | 100.00% | 11.674% |
| 10 | 9.083 | 1211 | 1215 | 1219 | rBV | 633686 | 540257 | 16.59% | 1.936% |
| 11 | 9.395 | 1262 | 1268 | 1272 | rBV2 | 1088327 | 1035481 | 31.79% | 3.711% |
| 12 | 9.995 | 1366 | 1370 | 1374 | rVB | 63242 | 57850 | 1.78% | 0.207% |
| 13 | 10.266 | 1410 | 1416 | 1419 | rBV2 | 23966 | 36510 | 1.12% | 0.131% |
| 14 | 10.372 | 1429 | 1434 | 1437 | rBV | 1803557 | 1909596 | 58.63% | 6.844% |
| 15 | 10.577 | 1465 | 1469 | 1477 | rBV | 79399 | 113316 | 3.48% | 0.406% |
| 16 | 11.130 | 1559 | 1563 | 1566 | rBV | 55978 | 51850 | 1.59% | 0.186% |
| 17 | 11.213 | 1573 | 1577 | 1580 | rBV | 1116182 | 1075319 | 33.01% | 3.854% |
| 18 | 11.242 | 1580 | 1582 | 1586 | rVB | 59010 | 49063 | 1.51% | 0.176% |
| 19 | 12.701 | 1824 | 1830 | 1834 | rBV | 82338 | 79384 | 2.44% | 0.285% |
| 20 | 12.977 | 1872 | 1877 | 1881 | rBV | 64954 | 68643 | 2.11% | 0.246% |
| 21 | 13.195 | 1908 | 1914 | 1918 | rBV2 | 2735978 | 3070961 | 94.28% | 11.006% |
| 22 | 14.365 | 2107 | 2113 | 2123 | rBV6 | 50515 | 131956 | 4.05% | 0.473% |
| 23 | 14.460 | 2123 | 2129 | 2133 | rBV | 939532 | 987652 | 30.32% | 3.540% |
| 24 | 15.683 | 2333 | 2337 | 2339 | rBV | 33170 | 41491 | 1.27% | 0.149% |
| 25 | 16.083 | 2400 | 2405 | 2410 | rBV | 647521 | 716607 | 22.00% | 2.568% |

Sum of corrected areas: 27902026

LSC Report - Integrated Chromatogram

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**Instrument :** BNA_F
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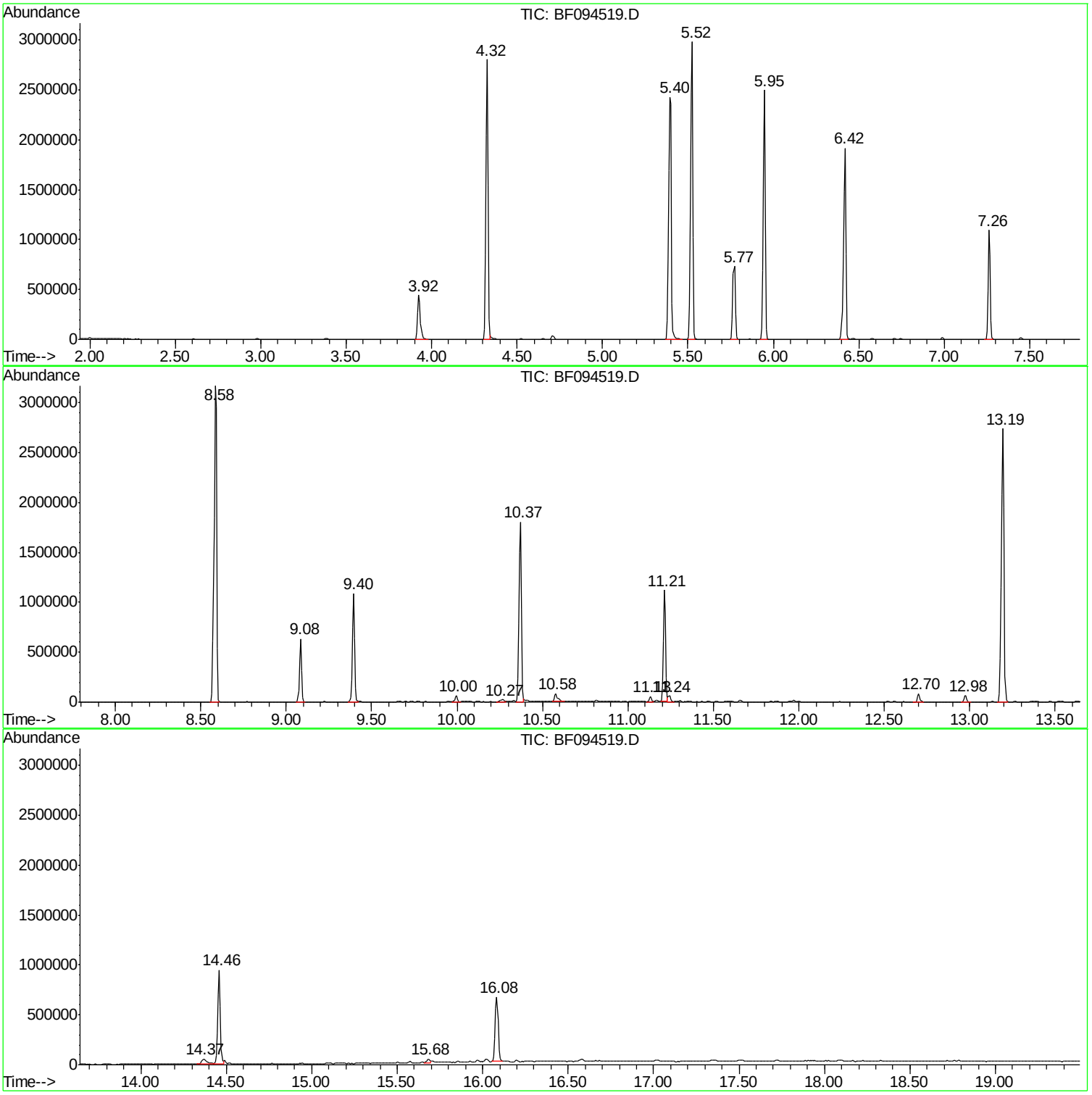
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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TIC Integration Parameters: LSCINT.P

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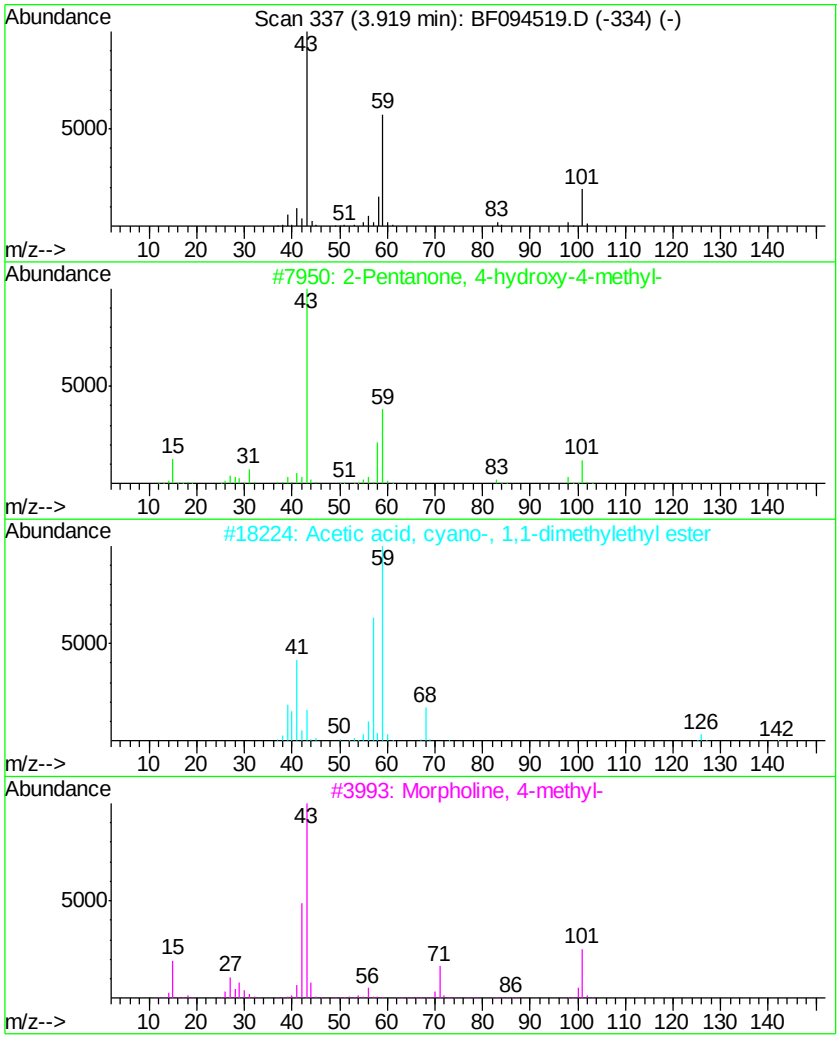
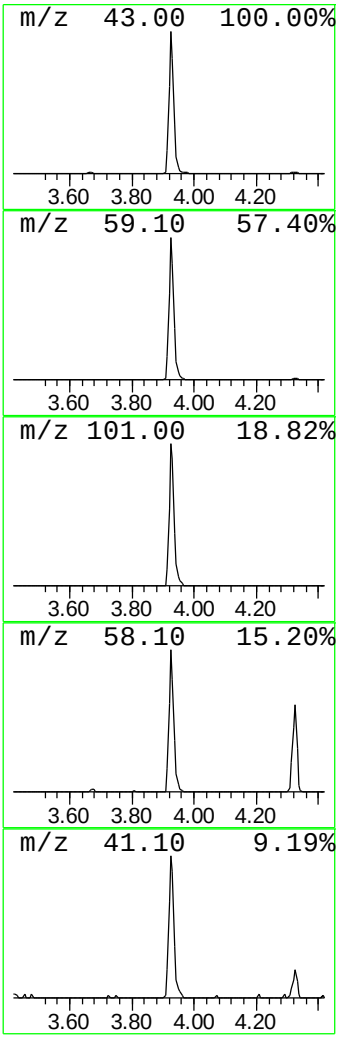
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.92 | 14.85 ng | 498563 | 1,4-Dichlorobenzene-d4 | 5.77 |

| 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 | 17 |
| 3 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 9 |
| 4 | Butane, 1-ethoxy- | 102 | C6H14O | 000628-81-9 | 9 |
| 5 | (+-)-4-Amino-4,5-dihydro-2(3H)-f... | 101 | C4H7NO2 | 016504-58-8 | 9 |



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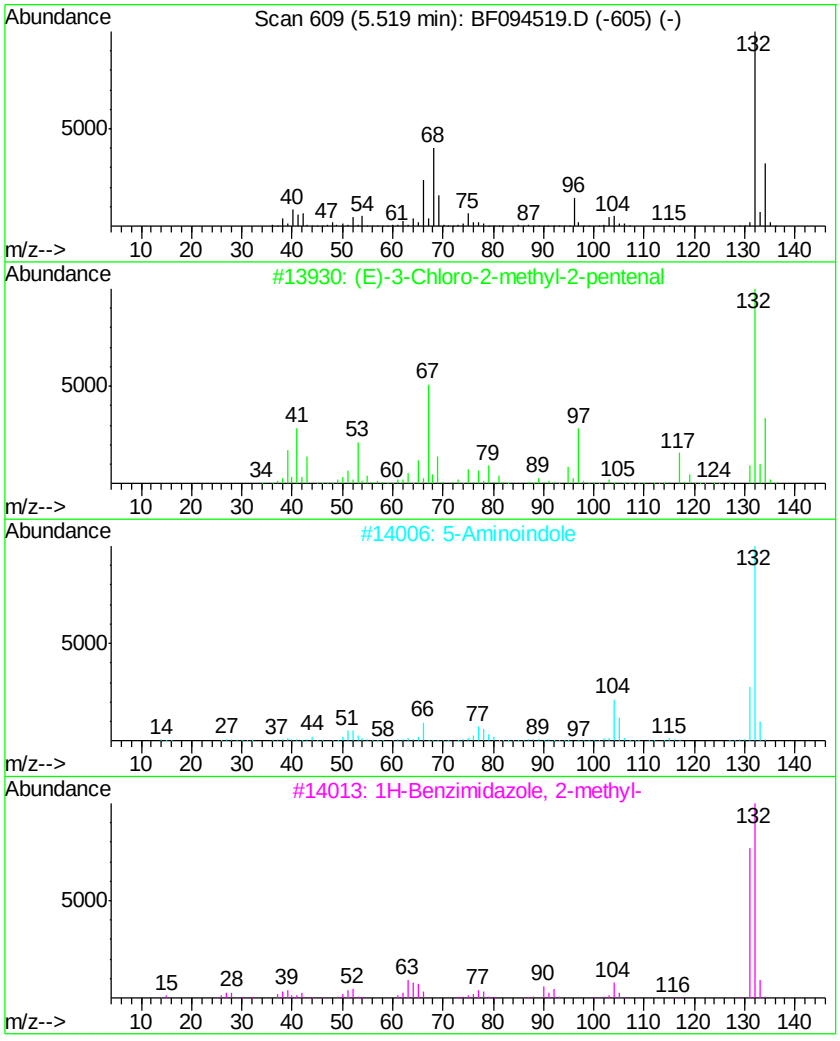
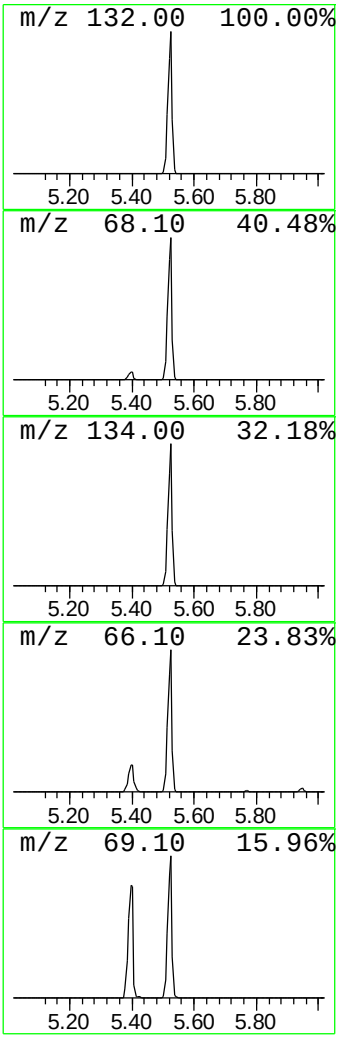
Peak Number 2 unknown5.52 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.52 | 86.00 ng | 2887650 | 1,4-Dichlorobenzene-d4 | 5.77 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 16 |
| 2 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |
| 3 | 1H-Benzimidazole, 2-methyl- | 132 | C8H8N2 | 000615-15-6 | 10 |
| 4 | 4-Chloro-2-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-00-5 | 9 |
| 5 | 1-Methylpyrrolo[1,2-a]pyrazine | 132 | C8H8N2 | 064608-59-9 | 9 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\Data\BF041917\
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Operator : SJ/MA
Sample : I2752-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 15-50-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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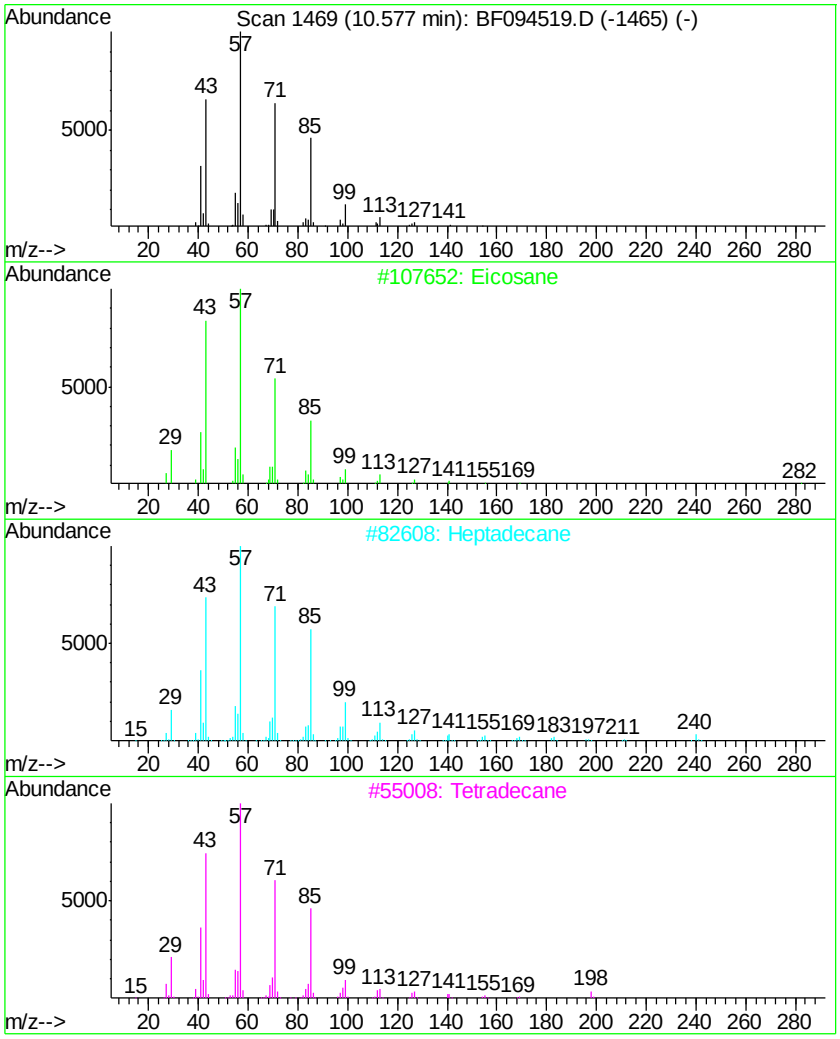
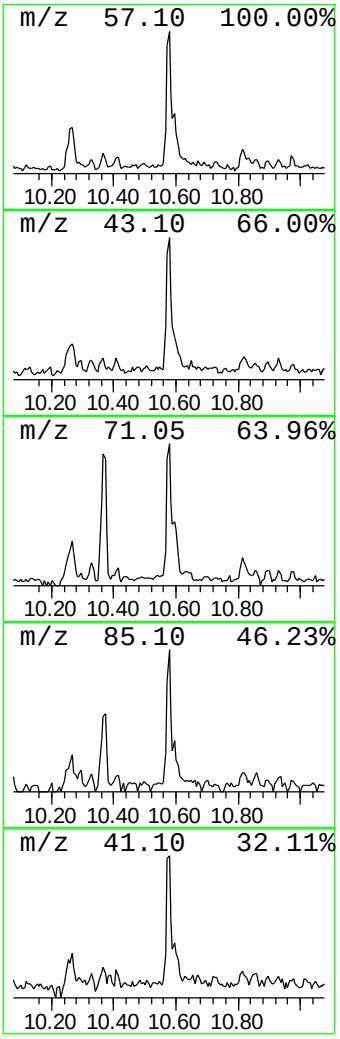
Peak Number 4 Eicosane Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.58 | 2.11 ng | 113316 | Phenanthrene-d10 | 11.21 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 91 |
| 2 | Heptadecane | 240 | C17H36 | 000629-78-7 | 86 |
| 3 | Tetradecane | 198 | C14H30 | 000629-59-4 | 78 |
| 4 | Dodecane, 2-methyl- | 184 | C13H28 | 001560-97-0 | 78 |
| 5 | Heptacosane | 380 | C27H56 | 000593-49-7 | 72 |



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Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
15-50-COMP

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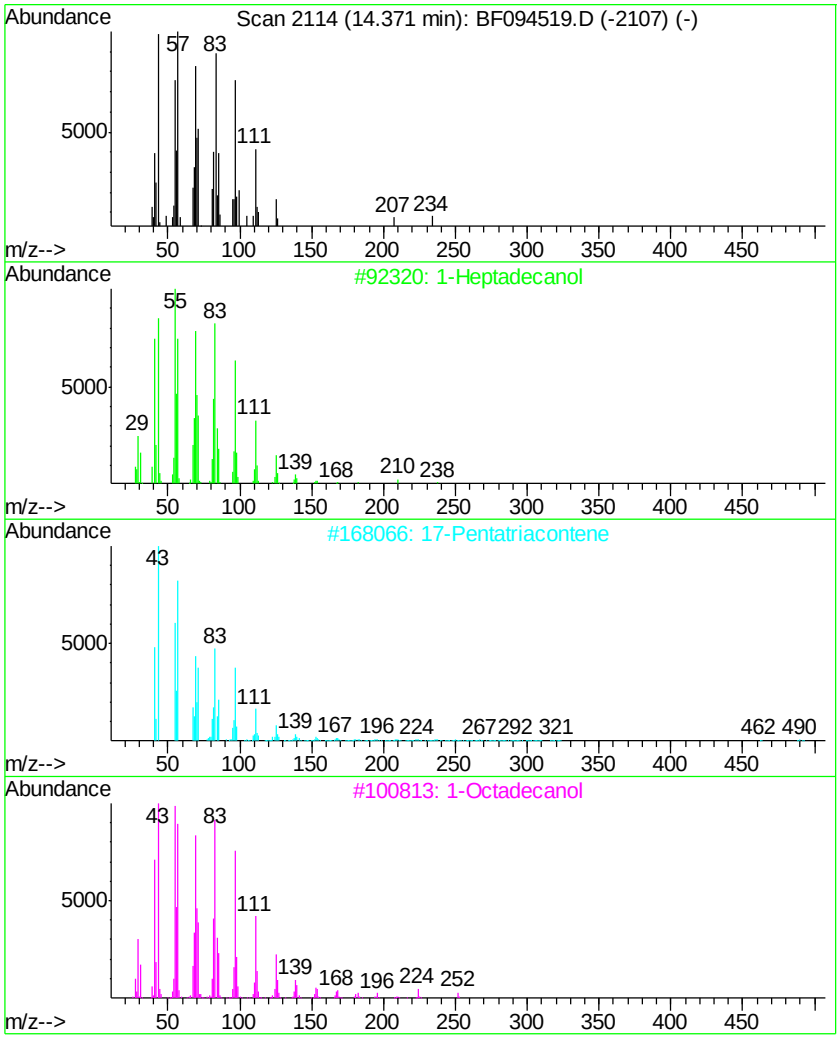
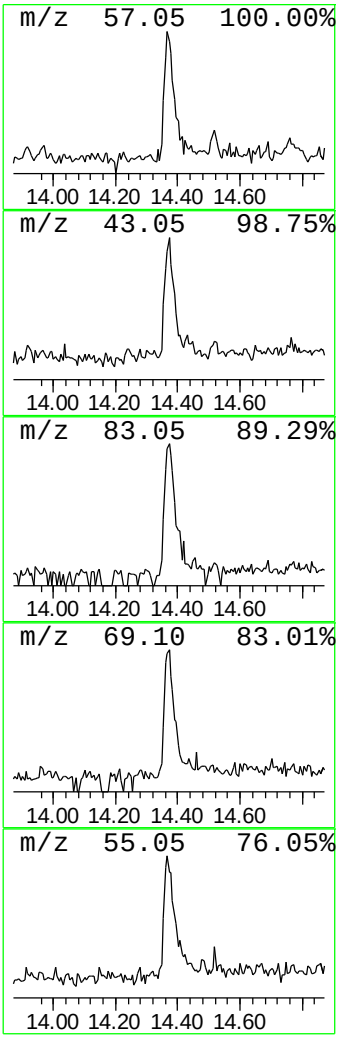
Peak Number 5 1-Heptadecanol Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.37 | 2.67 ng | 131956 | Chrysene-d12 | 14.46 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Heptadecanol | 256 | C17H36O | 001454-85-9 | 76 |
| 2 | 17-Pentatriacontene | 491 | C35H70 | 006971-40-0 | 68 |
| 3 | 1-Octadecanol | 270 | C18H38O | 000112-92-5 | 62 |
| 4 | Cyclopentadecane | 210 | C15H30 | 000295-48-7 | 58 |
| 5 | Trichloroacetic acid, tetradecyl... | 358 | C16H29Cl3O2 | 074339-52-9 | 58 |



# 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... | 3.92 | 14.9 | ng | 498563 | 1 | 5.77 | 671561 | 20.0 |
| unknown5.52 | 5.52 | 86.0 | ng | 2887650 | 1 | 5.77 | 671561 | 20.0 |
| Eicosane | 10.58 | 2.1 | ng | 113316 | 4 | 11.21 | 1075320 | 20.0 |
| 1-Heptadecanol | 14.37 | 2.7 | ng | 131956 | 5 | 14.46 | 987652 | 20.0 |