LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040617\
Data File : BF094229.D
Acq On : 6 Apr 2017 15:40
Operator : SJ/MA
Sample : I2537-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :**

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-BF032217.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 | 3.981 | 352 | 356 | 370 | rVB | 555541 | 647082 | 19.26% | 2.098% |
| 2 | 4.381 | 419 | 424 | 428 | rBV | 2903358 | 2975600 | 88.56% | 9.645% |
| 3 | 4.775 | 487 | 491 | 497 | rVB | 33798 | 34129 | 1.02% | 0.111% |
| 4 | 5.457 | 601 | 607 | 616 | rVB | 2833420 | 3353447 | 99.81% | 10.870% |
| 5 | 5.598 | 625 | 631 | 634 | rBV | 2956646 | 3216686 | 95.74% | 10.427% |
| 6 | 5.851 | 670 | 674 | 678 | rBV | 998757 | 913496 | 27.19% | 2.961% |
| 7 | 6.028 | 699 | 704 | 708 | rBV | 2515600 | 2389485 | 71.12% | 7.745% |
| 8 | 6.498 | 778 | 784 | 787 | rBV | 1942188 | 2032331 | 60.49% | 6.588% |
| 9 | 7.351 | 924 | 929 | 933 | rBV | 1324184 | 1277279 | 38.02% | 4.140% |
| 10 | 8.675 | 1148 | 1154 | 1158 | rBV | 3162069 | 3359800 | 100.00% | 10.891% |
| 11 | 9.169 | 1234 | 1238 | 1242 | rBV | 328950 | 323241 | 9.62% | 1.048% |
| 12 | 9.492 | 1286 | 1293 | 1297 | rBV2 | 1410045 | 1419097 | 42.24% | 4.600% |
| 13 | 9.822 | 1341 | 1349 | 1352 | rBV4 | 37532 | 92139 | 2.74% | 0.299% |
| 14 | 10.086 | 1391 | 1394 | 1398 | rVB | 62507 | 58812 | 1.75% | 0.191% |
| 15 | 10.363 | 1433 | 1441 | 1444 | rBV2 | 26657 | 43287 | 1.29% | 0.140% |
| 16 | 10.463 | 1453 | 1458 | 1462 | rBV | 1962776 | 2117430 | 63.02% | 6.864% |
| 17 | 10.669 | 1490 | 1493 | 1496 | rBV | 80749 | 93159 | 2.77% | 0.302% |
| 18 | 11.228 | 1584 | 1588 | 1591 | rBV | 64620 | 66055 | 1.97% | 0.214% |
| 19 | 11.316 | 1598 | 1603 | 1606 | rBV | 1334440 | 1347414 | 40.10% | 4.368% |
| 20 | 12.810 | 1854 | 1857 | 1862 | rVB | 45358 | 49691 | 1.48% | 0.161% |
| 21 | 13.074 | 1898 | 1902 | 1906 | rVB2 | 29037 | 35736 | 1.06% | 0.116% |
| 22 | 13.292 | 1934 | 1939 | 1943 | rBV | 2677648 | 2947602 | 87.73% | 9.555% |
| 23 | 14.457 | 2133 | 2137 | 2148 | rBV2 | 75378 | 158254 | 4.71% | 0.513% |
| 24 | 14.563 | 2150 | 2155 | 2159 | rBV | 1061697 | 1103731 | 32.85% | 3.578% |
| 25 | 16.186 | 2426 | 2431 | 2435 | rBV | 648445 | 795049 | 23.66% | 2.577% |

Sum of corrected areas: 30850032

LSC Report - Integrated Chromatogram

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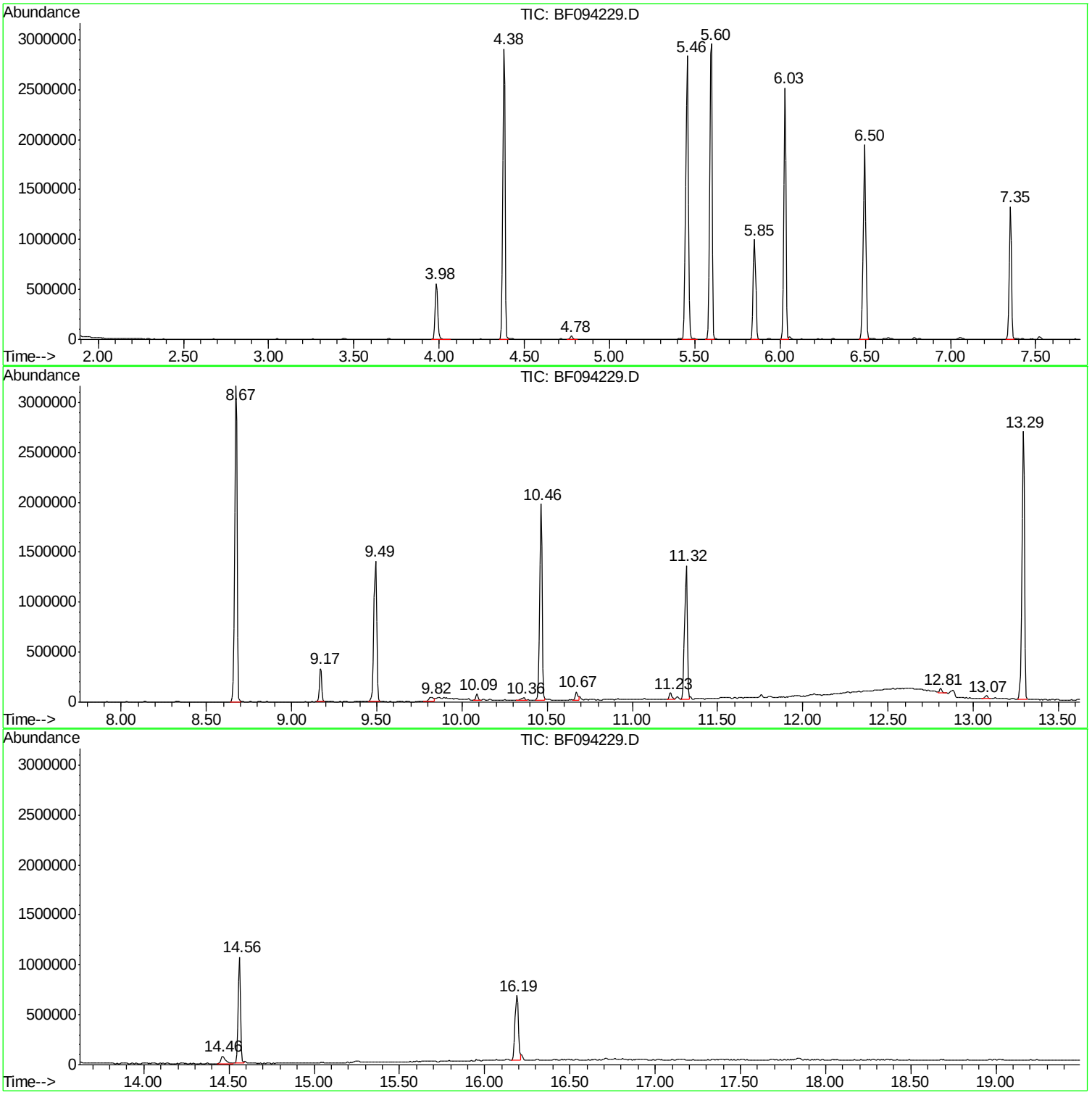
**Instrument :**
BNA_F
**ClientSampleId :**

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.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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**Instrument :**
BNA_F
**ClientSampleId :**

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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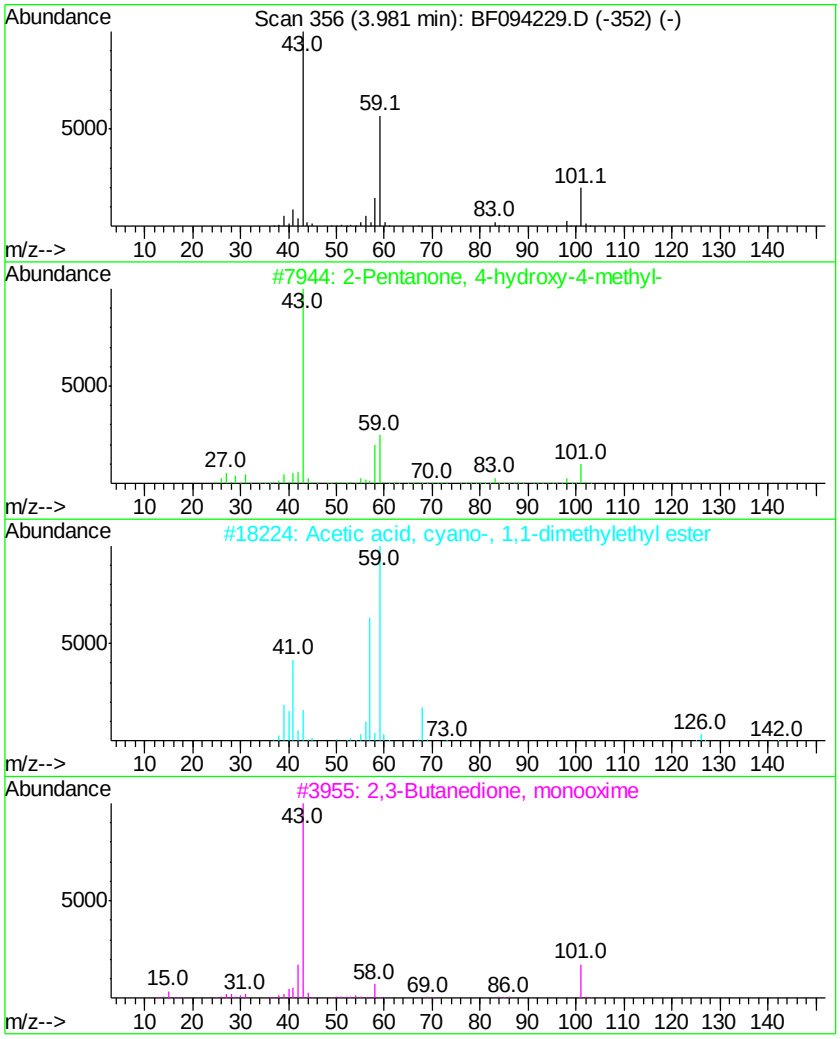
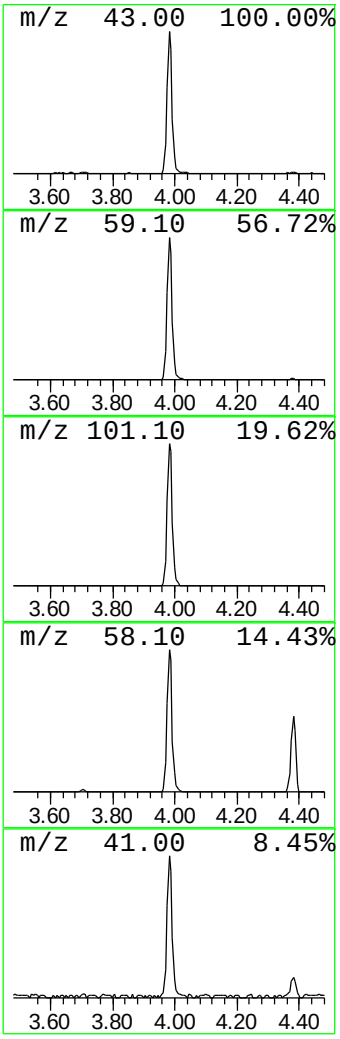
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.98 | 14.17 ng | 647082 | 1,4-Dichlorobenzene-d4 | 5.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 50 |
| 2 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 23 |
| 3 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 9 |
| 4 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 9 |
| 5 | Butane, 1-ethoxy- | 102 | C6H14O | 000628-81-9 | 9 |



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ALS Vial : 13 Sample Multiplier: 1

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**ClientSampleId :**

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
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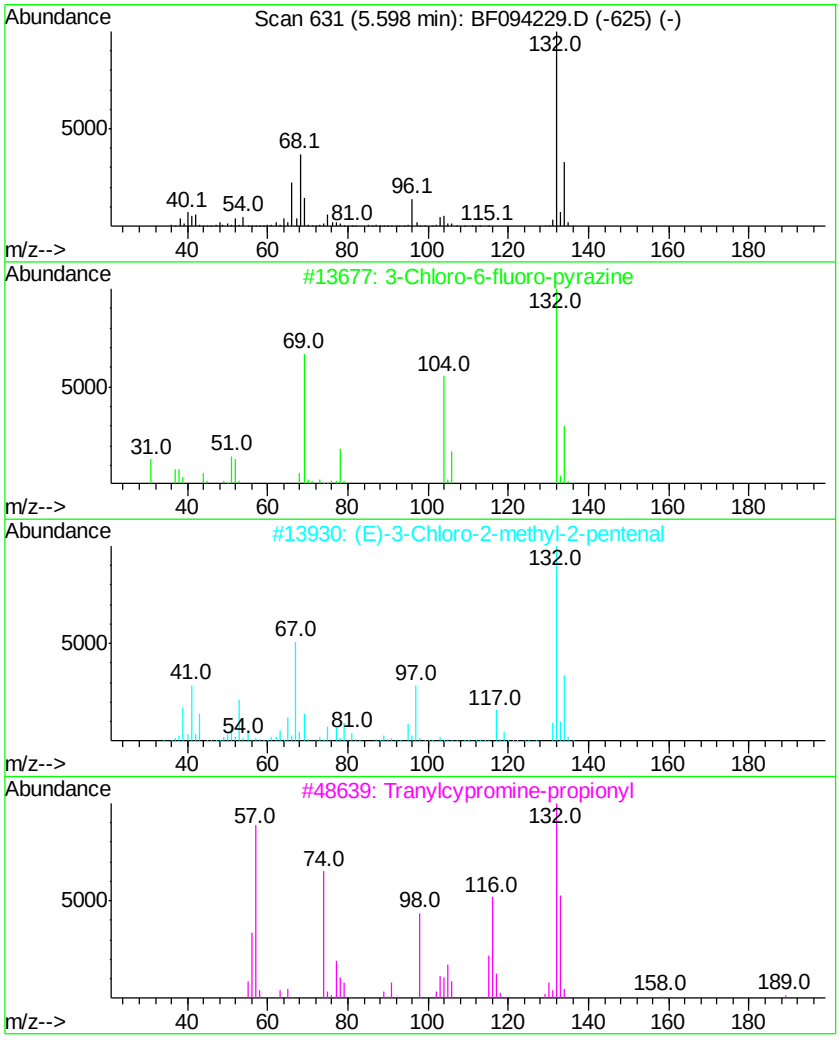
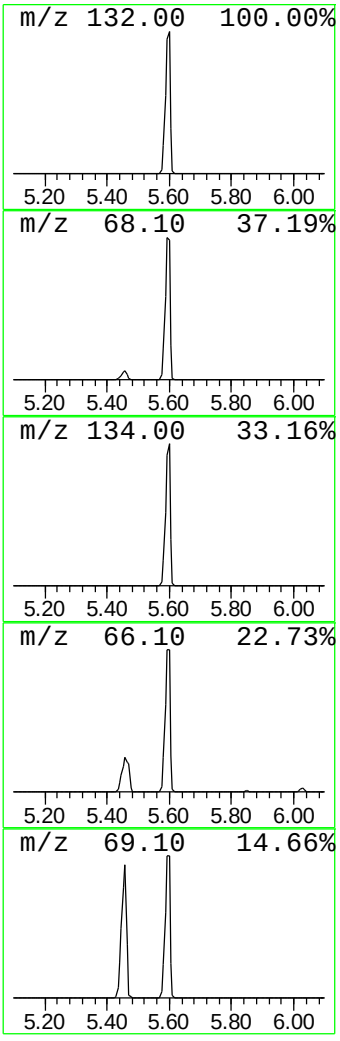
Peak Number 2 unknown5.60 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.60 | 70.43 ng | 3216690 | 1,4-Dichlorobenzene-d4 | 5.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 25 |
| 2 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 17 |
| 3 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 12 |
| 4 | Benzene, 1,3,5-trifluoro- | 132 | C6H3F3 | 000372-38-3 | 9 |
| 5 | 4-Chloro-6-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-01-6 | 9 |



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Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :**

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
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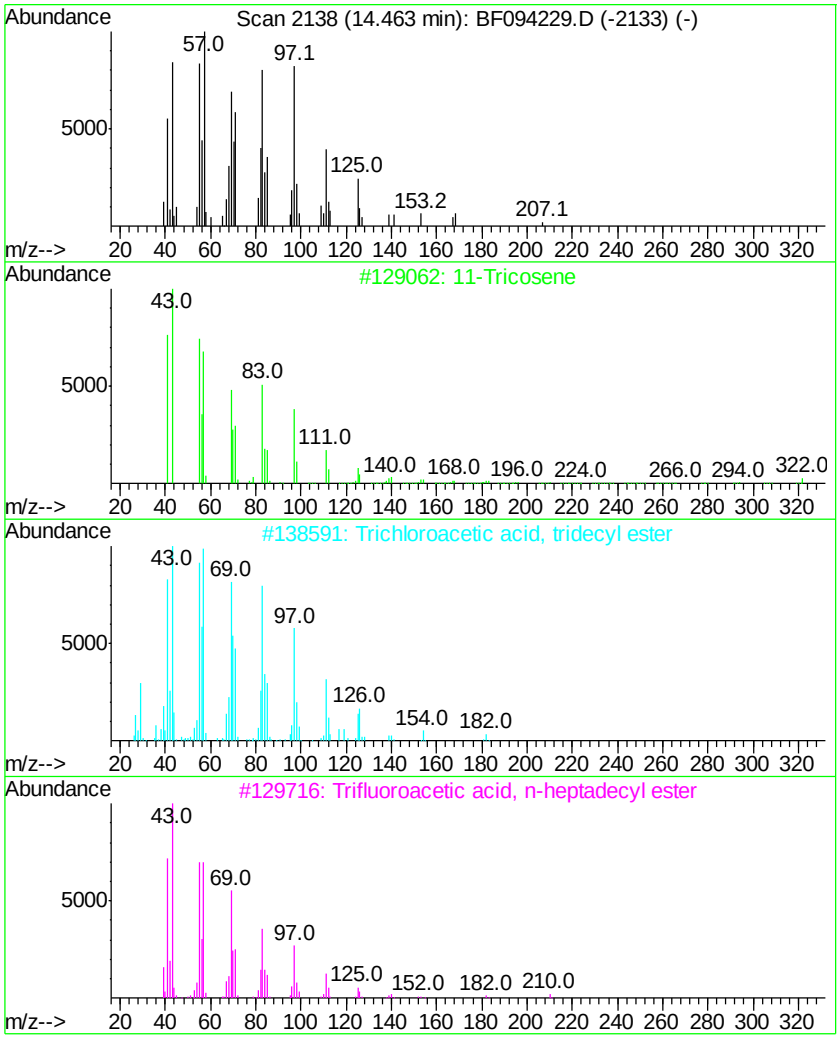
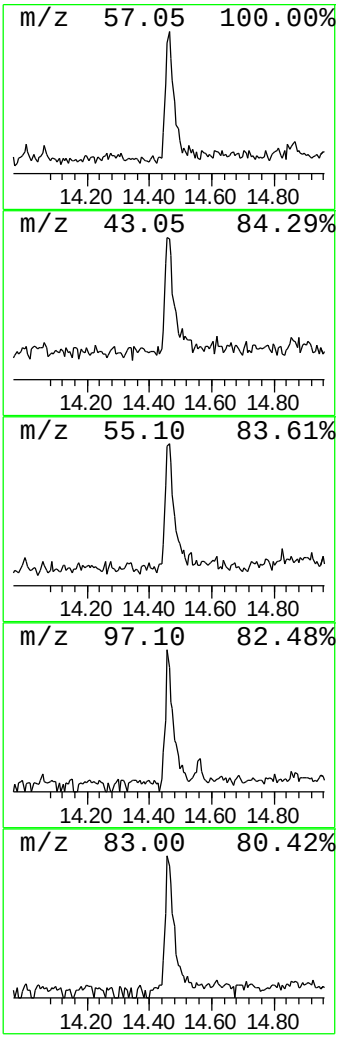
Peak Number 4 11-Tricosene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.46 | 2.87 ng | 158254 | Chrysene-d12 | 14.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11-Tricosene | 322 | C23H46 | 052078-56-5 | 91 |
| 2 | Trichloroacetic acid, tridecyl e... | 344 | C15H27Cl3O2 | 074339-51-8 | 91 |
| 3 | Trifluoroacetic acid, n-heptadec... | 324 | C17H31F3O2 | 1000216-79-2 | 87 |
| 4 | Pentafluoropropionic acid, octad... | 416 | C21H37F5O2 | 1000280-07-7 | 87 |
| 5 | 1-Nonadecene | 266 | C19H38 | 018435-45-5 | 86 |



Tentatively Identified Compound (LSC) summary

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Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
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| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| 2-Pentanone, 4-hy... | 3.98 | 14.2 | ng | 647082 | 1 | 5.85 | 913496 | 20.0 |
| unknown5.60 | 5.60 | 70.4 | ng | 3216690 | 1 | 5.85 | 913496 | 20.0 |
| 11-Tricosene | 14.46 | 2.9 | ng | 158254 | 5 | 14.56 | 1103730 | 20.0 |