LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012918\
Data File : BF102617.D
Acq On : 30 Jan 2018 00:26
Operator : SJ/JU
Sample : J1353-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EPE-106-5(15-17)

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-BF012218.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 | 4.916 | 477 | 481 | 493 | rVB | 110938 | 160133 | 4.53% | 0.550% |
| 2 | 5.334 | 547 | 552 | 570 | rBV | 3146133 | 3328649 | 94.13% | 11.435% |
| 3 | 6.363 | 723 | 727 | 744 | rBV | 3146945 | 3536248 | 100.00% | 12.148% |
| 4 | 6.487 | 744 | 748 | 751 | rBV | 3728921 | 3397210 | 96.07% | 11.670% |
| 5 | 6.710 | 783 | 786 | 795 | rBV | 1144586 | 1032654 | 29.20% | 3.547% |
| 6 | 6.869 | 809 | 813 | 816 | rBV | 2886579 | 2563353 | 72.49% | 8.806% |
| 7 | 7.281 | 879 | 883 | 898 | rBV | 2209362 | 2231870 | 63.11% | 7.667% |
| 8 | 7.998 | 1001 | 1005 | 1022 | rVB | 1329266 | 1390142 | 39.31% | 4.775% |
| 9 | 9.069 | 1183 | 1187 | 1197 | rBV | 3199600 | 2942663 | 83.21% | 10.109% |
| 10 | 9.145 | 1197 | 1200 | 1203 | rVB | 45220 | 40961 | 1.16% | 0.141% |
| 11 | 9.469 | 1249 | 1255 | 1262 | rBV | 316129 | 331943 | 9.39% | 1.140% |
| 12 | 9.675 | 1287 | 1290 | 1294 | rBV | 153411 | 117451 | 3.32% | 0.403% |
| 13 | 9.745 | 1298 | 1302 | 1311 | rVV | 1225486 | 1257927 | 35.57% | 4.321% |
| 14 | 10.145 | 1367 | 1370 | 1372 | rBV | 43880 | 37108 | 1.05% | 0.127% |
| 15 | 10.169 | 1372 | 1374 | 1377 | rVB | 162145 | 141430 | 4.00% | 0.486% |
| 16 | 10.392 | 1407 | 1412 | 1414 | rBV | 42945 | 52327 | 1.48% | 0.180% |
| 17 | 10.539 | 1434 | 1437 | 1448 | rBV | 1519726 | 1551015 | 43.86% | 5.328% |
| 18 | 10.645 | 1452 | 1455 | 1461 | rVV | 158351 | 159676 | 4.52% | 0.549% |
| 19 | 11.092 | 1528 | 1531 | 1533 | rBV | 99480 | 78060 | 2.21% | 0.268% |
| 20 | 11.116 | 1533 | 1535 | 1543 | rVB | 31881 | 36684 | 1.04% | 0.126% |
| 21 | 11.233 | 1551 | 1555 | 1566 | rBV | 1060789 | 1047977 | 29.64% | 3.600% |
| 22 | 11.516 | 1600 | 1603 | 1610 | rBV | 45085 | 41674 | 1.18% | 0.143% |
| 23 | 12.816 | 1821 | 1824 | 1831 | rVB | 1808344 | 1704121 | 48.19% | 5.854% |
| 24 | 13.710 | 1973 | 1976 | 1984 | rVB | 89744 | 116534 | 3.30% | 0.400% |
| 25 | 13.874 | 2001 | 2004 | 2014 | rBV | 805727 | 888007 | 25.11% | 3.051% |
| 26 | 15.310 | 2243 | 2248 | 2256 | rBV | 662892 | 924110 | 26.13% | 3.175% |

Sum of corrected areas: 29109927

LSC Report - Integrated Chromatogram

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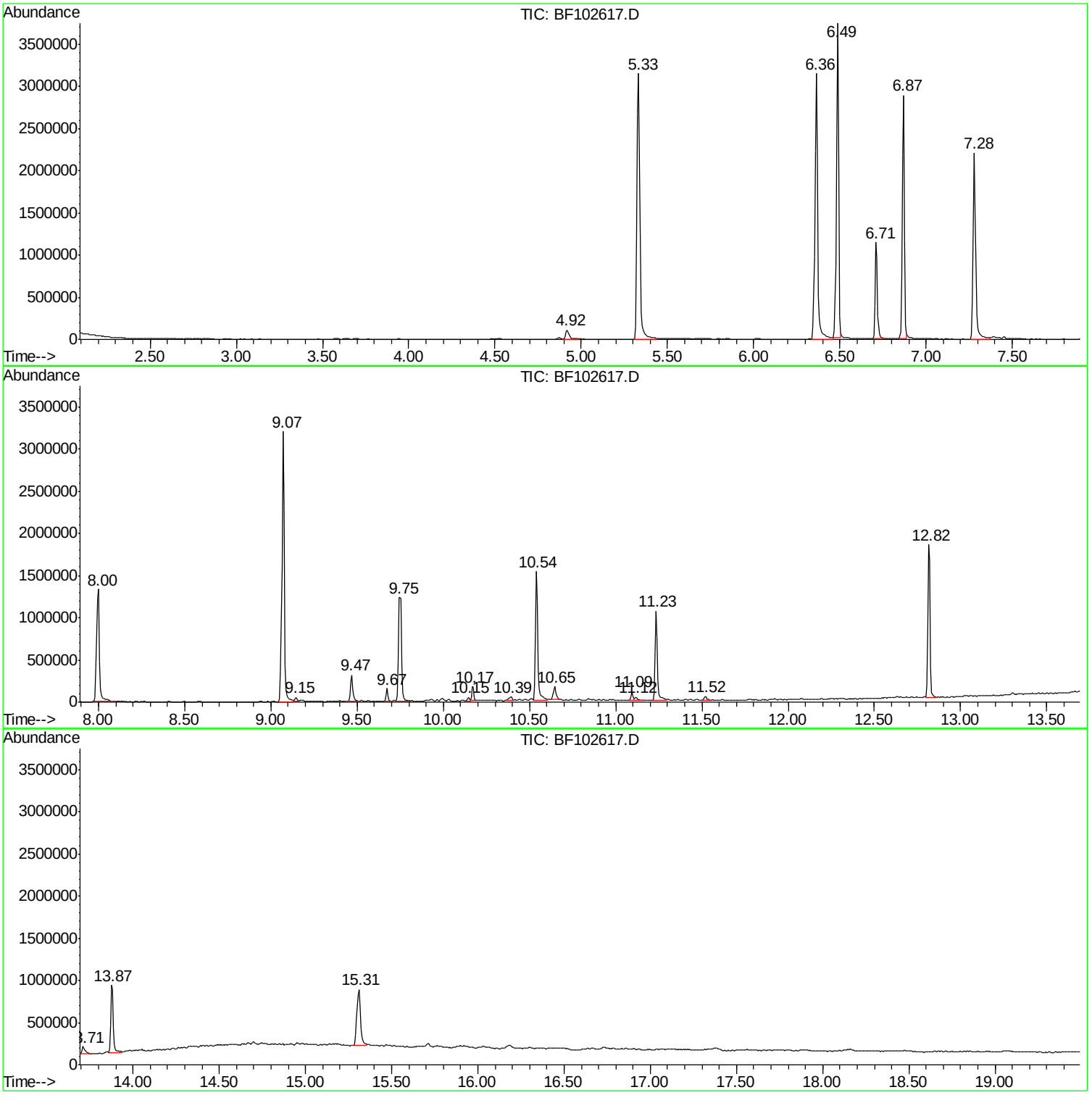
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
EPE-106-5(15-17)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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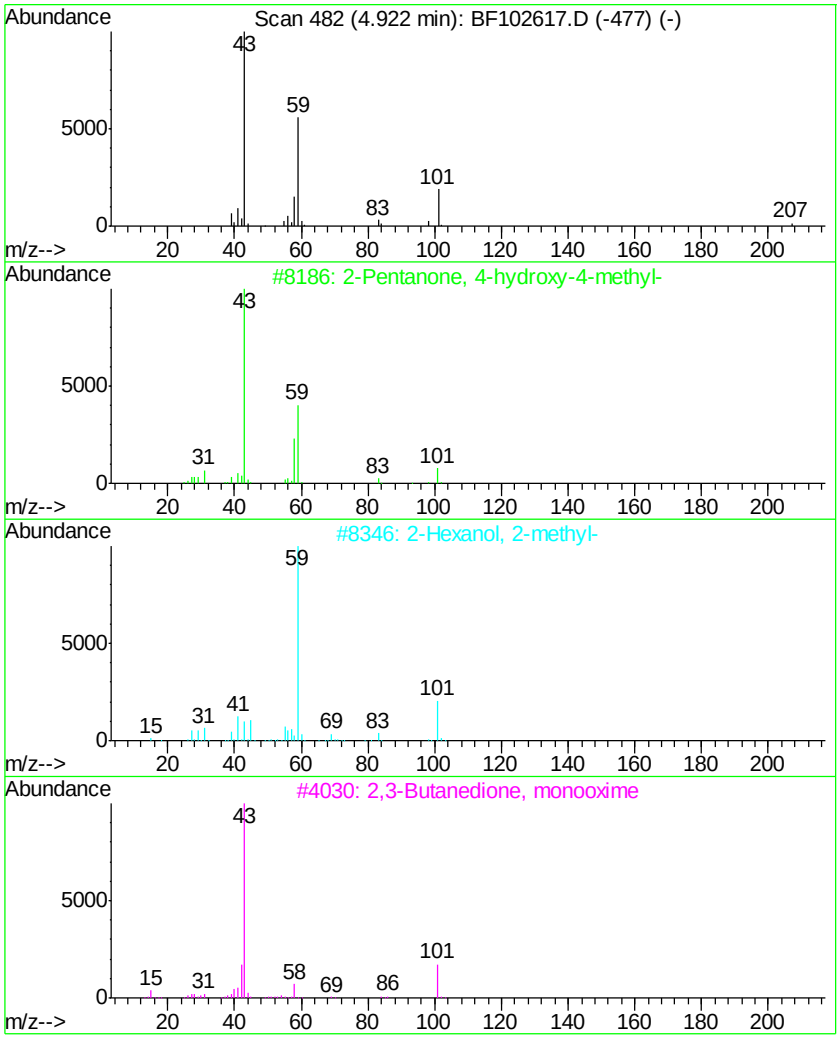
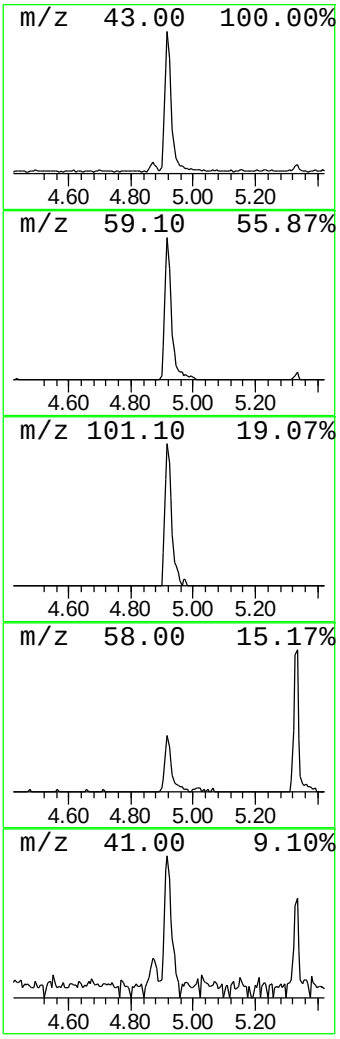
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.92 | 3.10 ng | 160133 | 1,4-Dichlorobenzene-d4 | 6.71 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 50 |
| 2 | 2-Hexanol, 2-methyl- | 116 | C7H16O | 000625-23-0 | 28 |
| 3 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 27 |
| 4 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 9 |
| 5 | 5-Hexen-2-one | 98 | C6H10O | 000109-49-9 | 9 |



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Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EPE-106-5(15-17)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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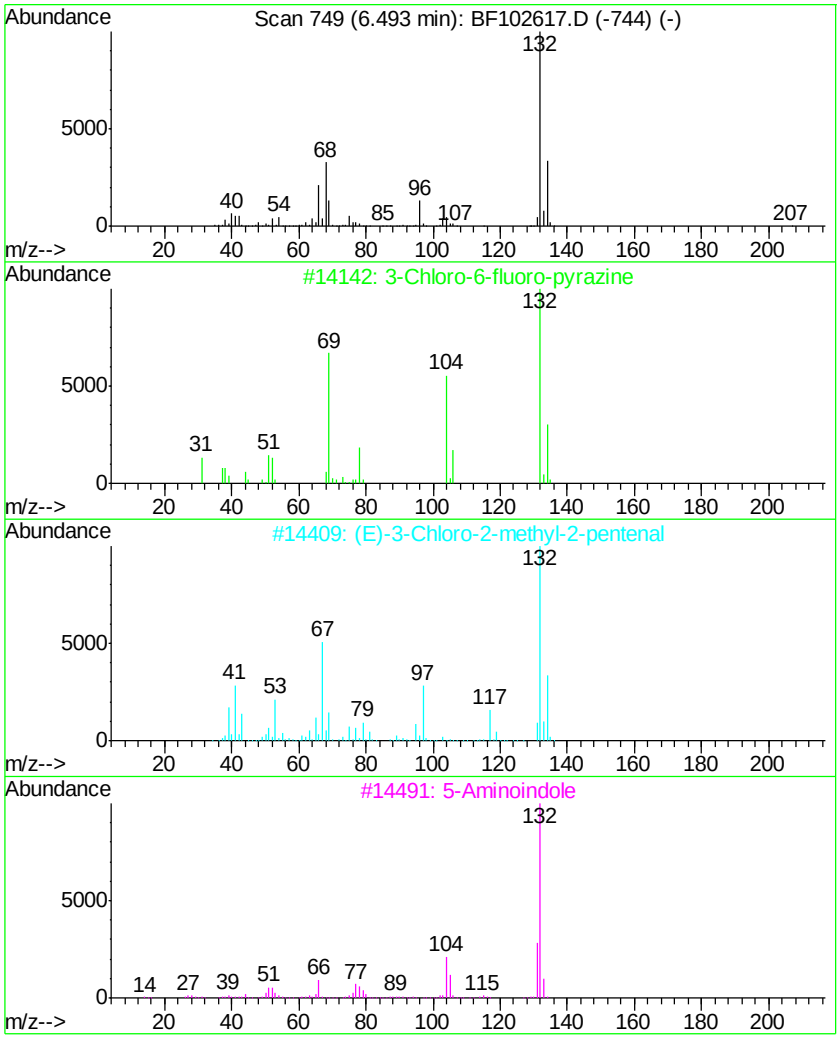
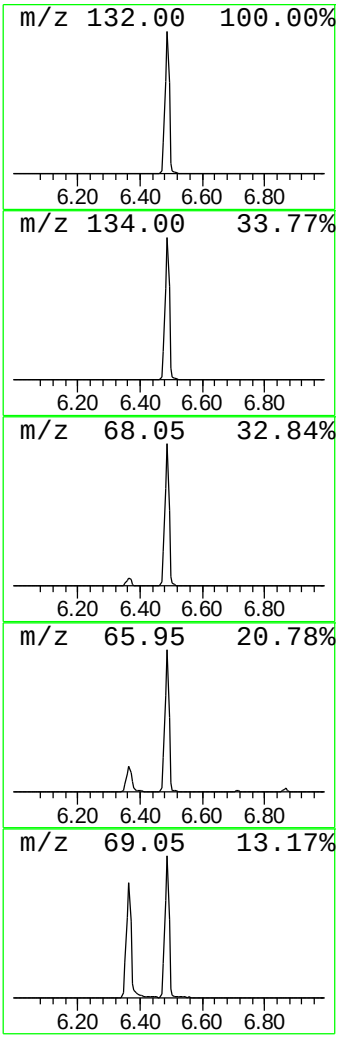
Peak Number 2 unknown6.49 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.49 | 65.80 ng | 3397210 | 1,4-Dichlorobenzene-d4 | 6.71 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 17 |
| 3 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |
| 4 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 5 | 4-Chloro-2-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-00-5 | 9 |



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Sample : J1353-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EPE-106-5(15-17)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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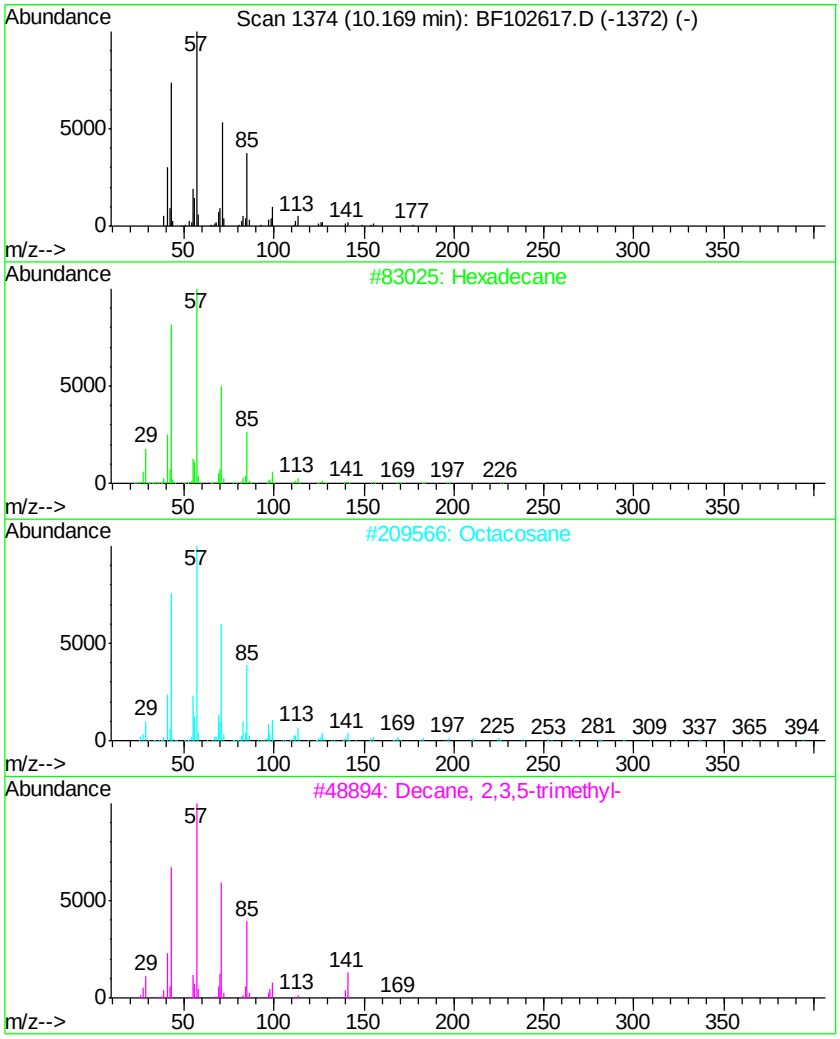
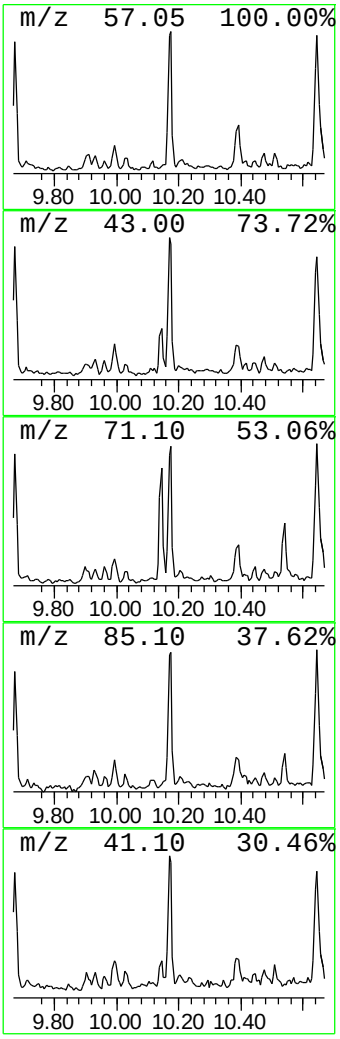
Peak Number 4 Hexadecane Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.17 | 2.25 ng | 141430 | Acenaphthene-d10 | 9.75 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 90 |
| 2 | Octacosane | 394 | C28H58 | 000630-02-4 | 90 |
| 3 | Decane, 2,3,5-trimethyl- | 184 | C13H28 | 062238-11-3 | 83 |
| 4 | Eicosane | 282 | C20H42 | 000112-95-8 | 80 |
| 5 | 9-methylheptadecane | 254 | C18H38 | 026741-18-4 | 78 |



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Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EPE-106-5(15-17)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
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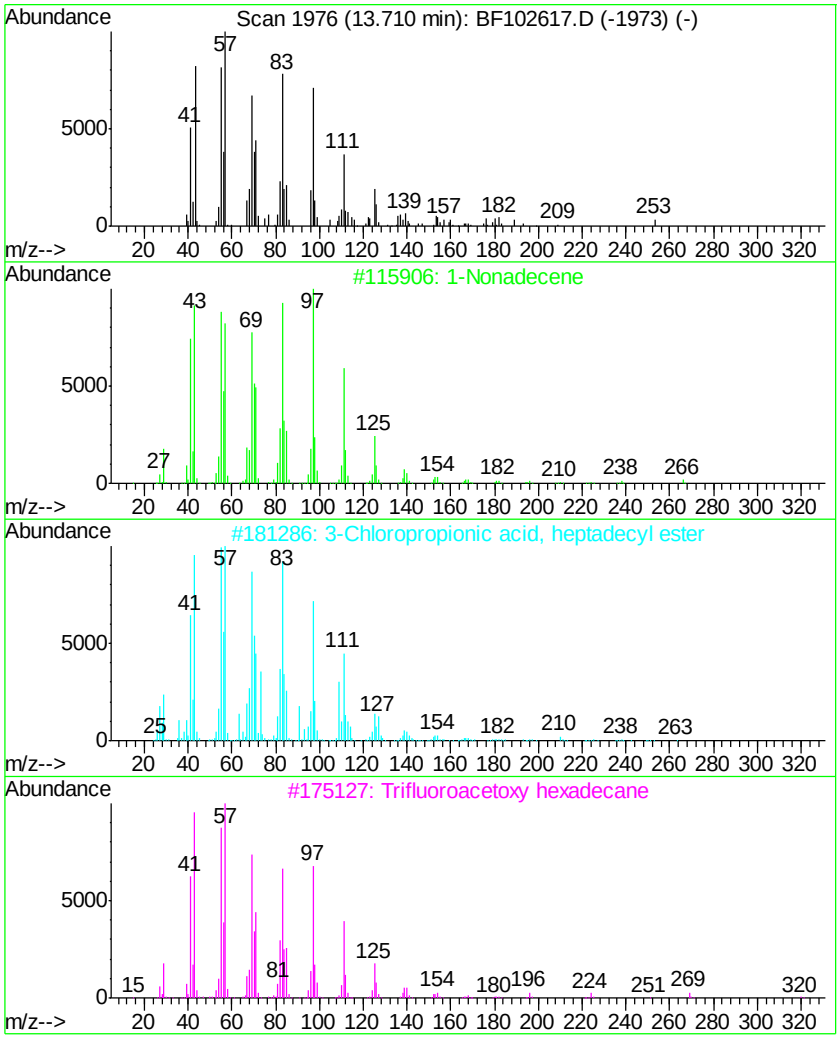
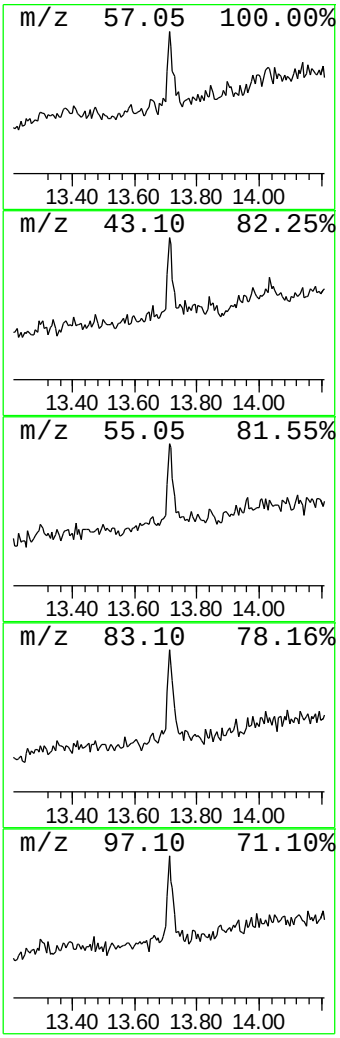
Peak Number 6 1-Nonadecene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.71 | 2.62 ng | 116534 | Chrysene-d12 | 13.87 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Nonadecene | 266 | C19H38 | 018435-45-5 | 91 |
| 2 | 3-Chloropropionic acid, heptadec... | 346 | C20H39ClO2 | 1000283-05-1 | 87 |
| 3 | Trifluoroacetoxy hexadecane | 338 | C18H33F3O2 | 006222-03-3 | 87 |
| 4 | 17-Pentatriacontene | 491 | C35H70 | 006971-40-0 | 80 |
| 5 | Heptafluorobutyric acid, hexadec... | 438 | C20H33F7O2 | 006385-15-5 | 72 |



# Tentatively Identified Compound (LSC) summary

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ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EPE-106-5(15-17)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| 2-Pentanone, 4-hy... | 4.92 | 3.1 | ng | 160133 | 1 | 6.71 | 1032650 | 20.0 |
| unknown6.49 | 6.49 | 65.8 | ng | 3397210 | 1 | 6.71 | 1032650 | 20.0 |
| Hexadecane | 10.17 | 2.3 | ng | 141430 | 3 | 9.75 | 1257930 | 20.0 |
| 1-Nonadecene | 13.71 | 2.6 | ng | 116534 | 5 | 13.87 | 888007 | 20.0 |