LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111414\
Data File : BF075554.D
Acq On : 15 Nov 2014 21:28
Operator : TP / JJ
Sample : F4632-01
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** S32-FILL01

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-BF111214.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 | 1.612 | 44 | 46 | 49 | rVB | 3267970 | 4019149 | 100.00% | 18.093% |
| 2 | 1.761 | 56 | 59 | 64 | rVB | 125649 | 212593 | 5.29% | 0.957% |
| 3 | 1.830 | 64 | 65 | 73 | rVV | 81453 | 139227 | 3.46% | 0.627% |
| 4 | 1.967 | 73 | 77 | 84 | rVV2 | 641614 | 1061881 | 26.42% | 4.780% |
| 5 | 2.070 | 84 | 86 | 104 | rVB3 | 36934 | 135925 | 3.38% | 0.612% |
| 6 | 5.339 | 370 | 372 | 378 | rVB | 357067 | 466914 | 11.62% | 2.102% |
| 7 | 5.841 | 414 | 416 | 419 | rBV | 1022913 | 1029284 | 25.61% | 4.633% |
| 8 | 7.099 | 523 | 526 | 528 | rBV | 1191692 | 1135162 | 28.24% | 5.110% |
| 9 | 7.259 | 538 | 540 | 543 | rVB | 1192644 | 1068967 | 26.60% | 4.812% |
| 10 | 7.544 | 563 | 565 | 568 | rBV | 305617 | 407248 | 10.13% | 1.833% |
| 11 | 7.739 | 580 | 582 | 584 | rBV | 872156 | 793724 | 19.75% | 3.573% |
| 12 | 8.242 | 623 | 626 | 628 | rBV | 683905 | 667682 | 16.61% | 3.006% |
| 13 | 9.133 | 701 | 704 | 706 | rBV | 586297 | 583839 | 14.53% | 2.628% |
| 14 | 10.082 | 782 | 787 | 796 | rVB | 15879 | 40662 | 1.01% | 0.183% |
| 15 | 10.470 | 819 | 821 | 824 | rVB | 1020597 | 1086482 | 27.03% | 4.891% |
| 16 | 11.305 | 892 | 894 | 897 | rBV | 486642 | 625277 | 15.56% | 2.815% |
| 17 | 12.288 | 978 | 980 | 983 | rBV | 753103 | 740285 | 18.42% | 3.332% |
| 18 | 13.156 | 1054 | 1056 | 1061 | rVB | 657205 | 695113 | 17.30% | 3.129% |
| 19 | 13.854 | 1115 | 1117 | 1121 | rBV | 117869 | 136998 | 3.41% | 0.617% |
| 20 | 14.665 | 1186 | 1188 | 1191 | rBV | 96281 | 89961 | 2.24% | 0.405% |
| 21 | 14.837 | 1201 | 1203 | 1209 | rBV | 43054 | 68056 | 1.69% | 0.306% |
| 22 | 14.962 | 1209 | 1214 | 1216 | rVV2 | 185748 | 262589 | 6.53% | 1.182% |
| 23 | 15.019 | 1216 | 1219 | 1221 | rVV | 306812 | 424707 | 10.57% | 1.912% |
| 24 | 15.054 | 1221 | 1222 | 1225 | rVV | 47979 | 60994 | 1.52% | 0.275% |
| 25 | 15.157 | 1228 | 1231 | 1233 | rVB | 839908 | 1121431 | 27.90% | 5.048% |
| 26 | 15.477 | 1255 | 1259 | 1262 | rBV | 22688 | 54034 | 1.34% | 0.243% |
| 27 | 15.625 | 1268 | 1272 | 1273 | rBV | 41366 | 47193 | 1.17% | 0.212% |
| 28 | 15.842 | 1289 | 1291 | 1293 | rBV | 136126 | 157227 | 3.91% | 0.708% |
| 29 | 16.322 | 1330 | 1333 | 1341 | rBV | 260387 | 470901 | 11.72% | 2.120% |
| 30 | 16.448 | 1341 | 1344 | 1349 | rVB | 787138 | 923664 | 22.98% | 4.158% |
| 31 | 16.711 | 1365 | 1367 | 1372 | rBV2 | 30803 | 62399 | 1.55% | 0.281% |
| 32 | 16.871 | 1379 | 1381 | 1386 | rBV4 | 17828 | 49149 | 1.22% | 0.221% |
| 33 | 17.111 | 1398 | 1402 | 1403 | rBV | 72176 | 122764 | 3.05% | 0.553% |
| 34 | 17.134 | 1403 | 1404 | 1414 | rVB2 | 106557 | 189032 | 4.70% | 0.851% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111414\
Data File : BF075554.D
Acq On : 15 Nov 2014 21:28
Operator : TP / JJ
Sample : F4632-01
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** S32-FILL01

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-BF111214.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 17.488 | 1433 | 1435 | 1437 | rVB | 41866 | 50083 | 1.25% | 0.225% |
| 36 | 17.568 | 1440 | 1442 | 1445 | rVB | 41542 | 54670 | 1.36% | 0.246% |
| 37 | 17.660 | 1447 | 1450 | 1453 | rBV | 61434 | 69568 | 1.73% | 0.313% |
| 38 | 17.717 | 1453 | 1455 | 1463 | rBV | 39690 | 102655 | 2.55% | 0.462% |
| 39 | 17.877 | 1467 | 1469 | 1471 | rBV | 140379 | 171976 | 4.28% | 0.774% |
| 40 | 17.923 | 1471 | 1473 | 1479 | rBV3 | 48337 | 127927 | 3.18% | 0.576% |
| 41 | 18.048 | 1481 | 1484 | 1487 | rVB2 | 32758 | 49722 | 1.24% | 0.224% |
| 42 | 18.186 | 1493 | 1496 | 1499 | rBV | 638953 | 827648 | 20.59% | 3.726% |
| 43 | 18.288 | 1502 | 1505 | 1509 | rBV2 | 33131 | 49203 | 1.22% | 0.221% |
| 44 | 18.506 | 1521 | 1524 | 1529 | rBV | 84183 | 134600 | 3.35% | 0.606% |
| 45 | 18.757 | 1543 | 1546 | 1550 | rBV | 101738 | 184701 | 4.60% | 0.831% |
| 46 | 18.837 | 1550 | 1553 | 1555 | rVV3 | 60174 | 158379 | 3.94% | 0.713% |
| 47 | 18.883 | 1555 | 1557 | 1562 | rVV4 | 69662 | 160377 | 3.99% | 0.722% |
| 48 | 18.997 | 1564 | 1567 | 1576 | rVB8 | 22299 | 99565 | 2.48% | 0.448% |
| 49 | 19.340 | 1595 | 1597 | 1602 | rVB | 66899 | 128919 | 3.21% | 0.580% |
| 50 | 19.614 | 1618 | 1621 | 1624 | rVB3 | 30457 | 58932 | 1.47% | 0.265% |
| 51 | 20.414 | 1687 | 1691 | 1699 | rBV4 | 101001 | 316785 | 7.88% | 1.426% |
| 52 | 20.894 | 1730 | 1733 | 1738 | rBV6 | 28792 | 89691 | 2.23% | 0.404% |
| 53 | 21.146 | 1752 | 1755 | 1761 | rVB8 | 21991 | 63419 | 1.58% | 0.285% |
| 54 | 21.294 | 1762 | 1768 | 1774 | rBV7 | 38771 | 164780 | 4.10% | 0.742% |

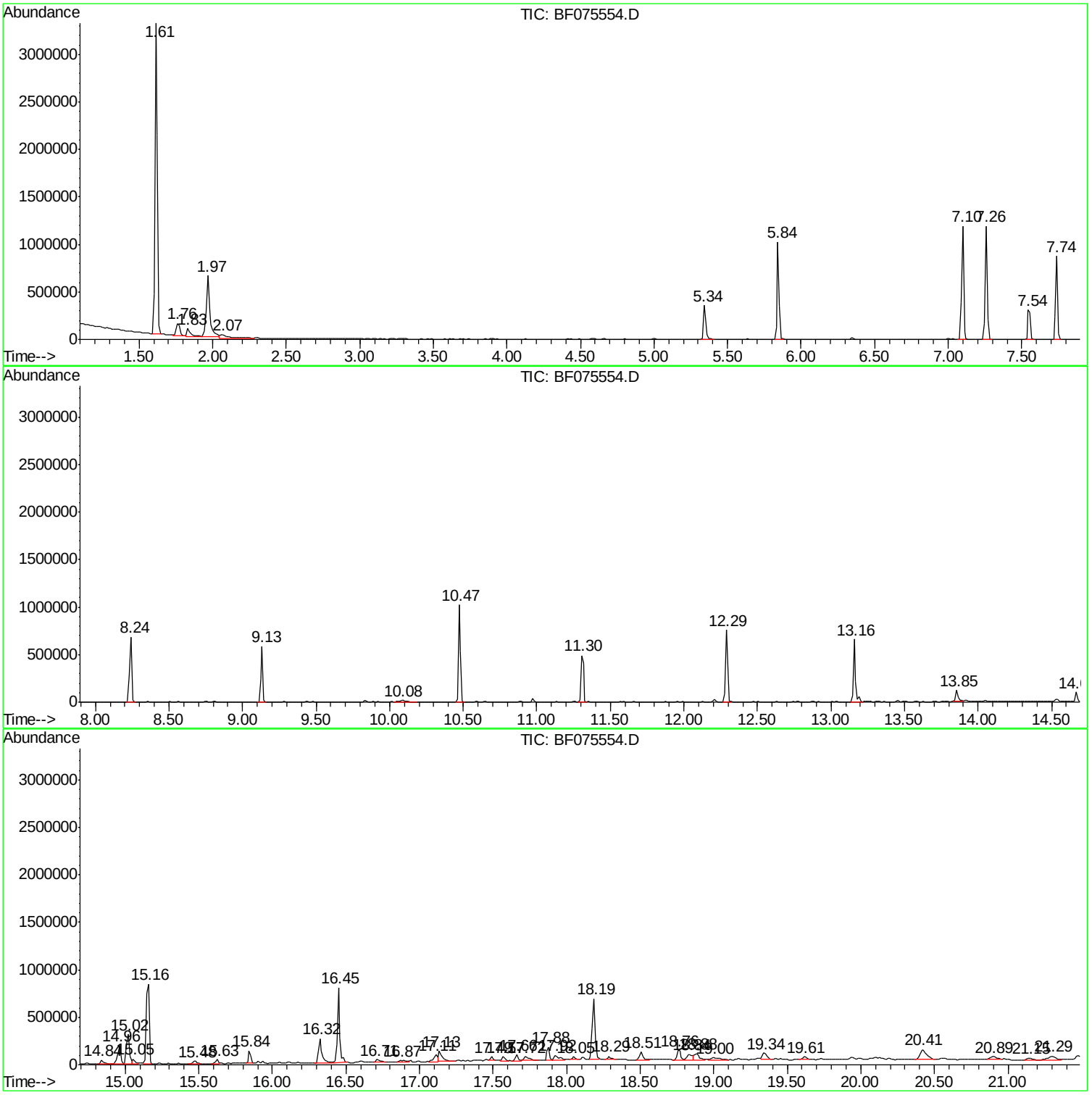
Sum of corrected areas: 22214113

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111414\
Data File : BF075554.D
Acq On : 15 Nov 2014 21:28
Operator : TP / JJ
Sample : F4632-01
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
S32-FILL01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111414\
Data File : BF075554.D
Acq On : 15 Nov 2014 21:28
Operator : TP / JJ
Sample : F4632-01
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** S32-FILL01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

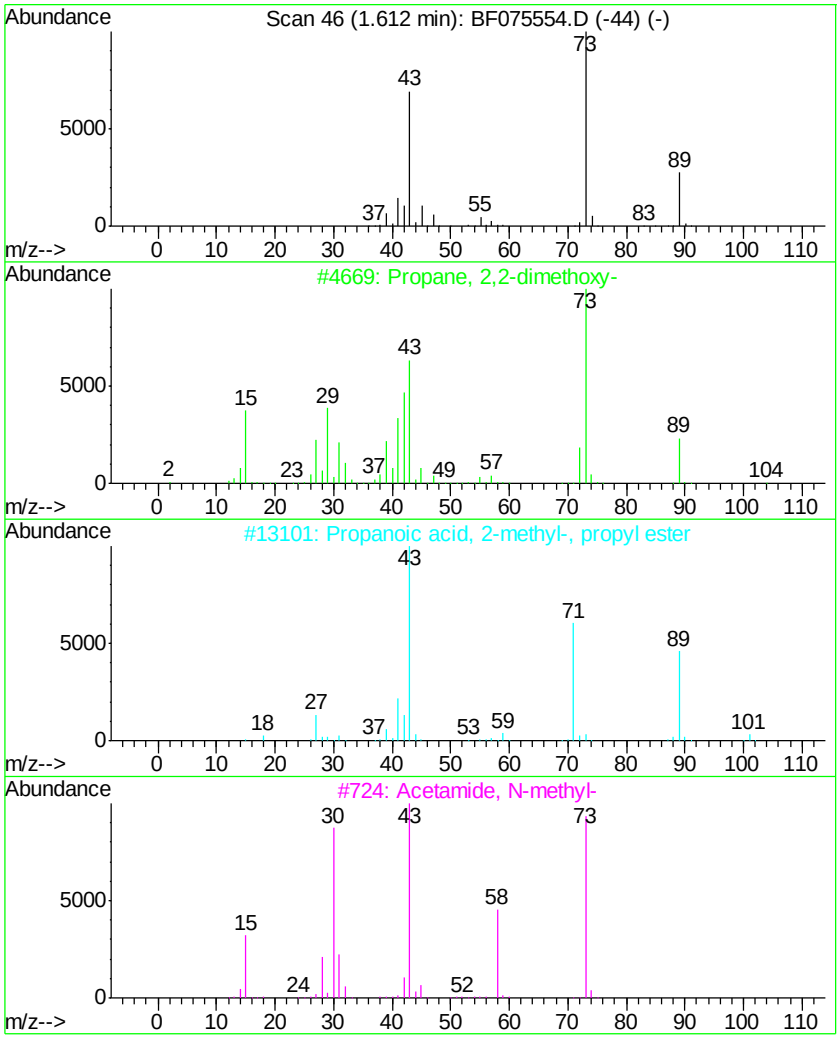
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

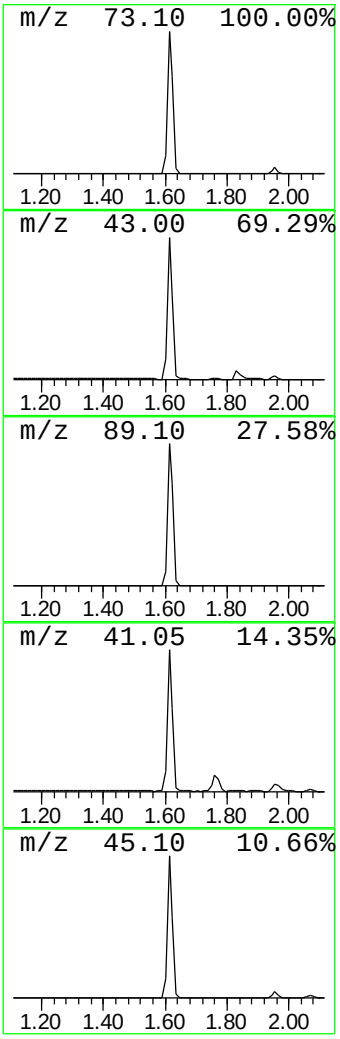
**********

Peak Number 1 unknown1.61 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.61 | 197.38 ng | 4019150 | 1,4-Dichlorobenzene-d4 | 7.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propane, 2,2-dimethoxy- | 104 | C5H12O2 | 000077-76-9 | 42 |
| 2 | Propanoic acid, 2-methyl-, propy... | 130 | C7H14O2 | 000644-49-5 | 17 |
| 3 | Acetamide, N-methyl- | 73 | C3H7NO | 000079-16-3 | 9 |
| 4 | 1-Propanol, 2-methyl-2-nitro- | 119 | C4H9NO3 | 000076-39-1 | 9 |
| 5 | Propanoic acid, 2-methyl-, penty... | 158 | C9H18O2 | 002445-72-9 | 9 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111414\
Data File : BF075554.D
Acq On : 15 Nov 2014 21:28
Operator : TP / JJ
Sample : F4632-01
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** S32-FILL01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

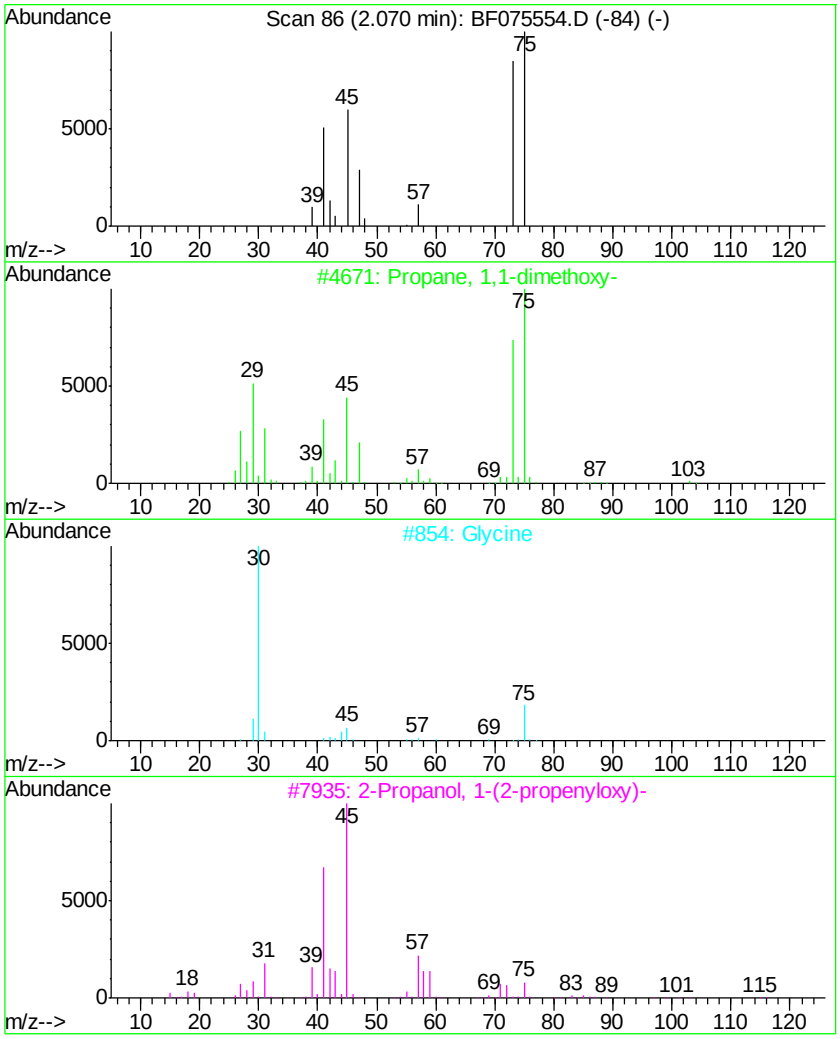
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

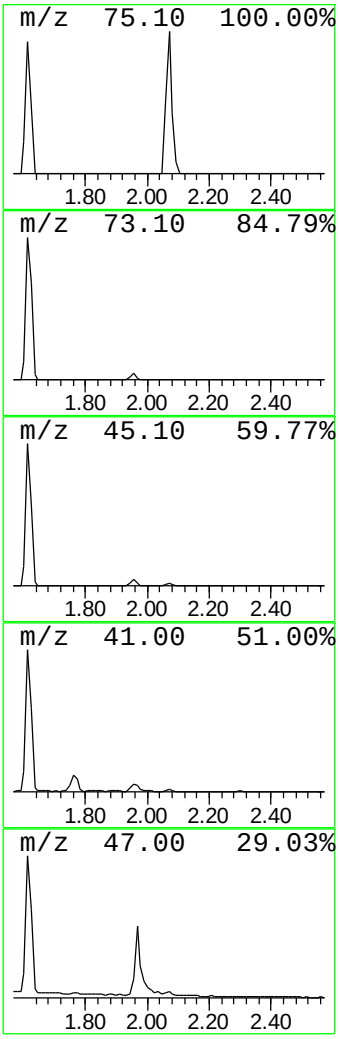
**********

Peak Number 5 Propane, 1,1-dimethoxy- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.07 | 6.68 ng | 135925 | 1,4-Dichlorobenzene-d4 | 7.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propane, 1,1-dimethoxy- | 104 | C5H12O2 | 004744-10-9 | 64 |
| 2 | Glycine | 75 | C2H5NO2 | 000056-40-6 | 4 |
| 3 | 2-Propanol, 1-(2-propenyloxy)- | 116 | C6H12O2 | 021460-36-6 | 4 |
| 4 | 1-Butanamine | 73 | C4H11N | 000109-73-9 | 4 |
| 5 | 3,3-Dichloropropyne | 108 | C3H2Cl2 | 025523-14-2 | 4 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111414\
Data File : BF075554.D
Acq On : 15 Nov 2014 21:28
Operator : TP / JJ
Sample : F4632-01
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** S32-FILL01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

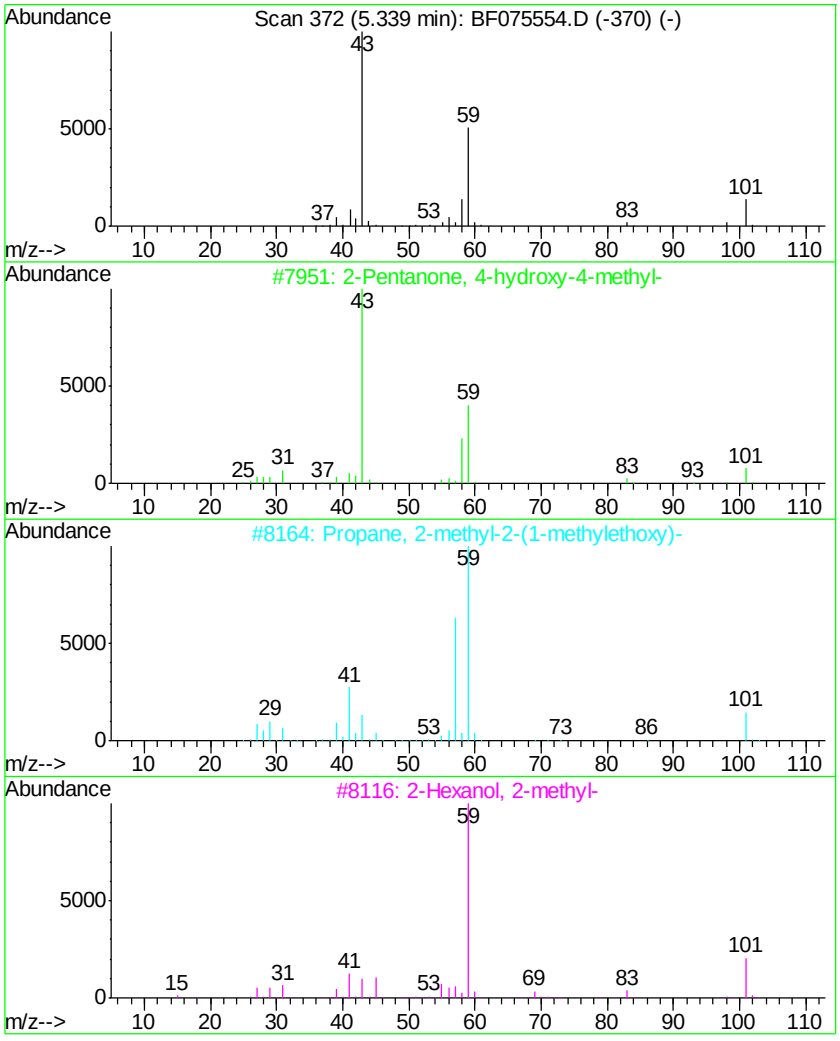
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

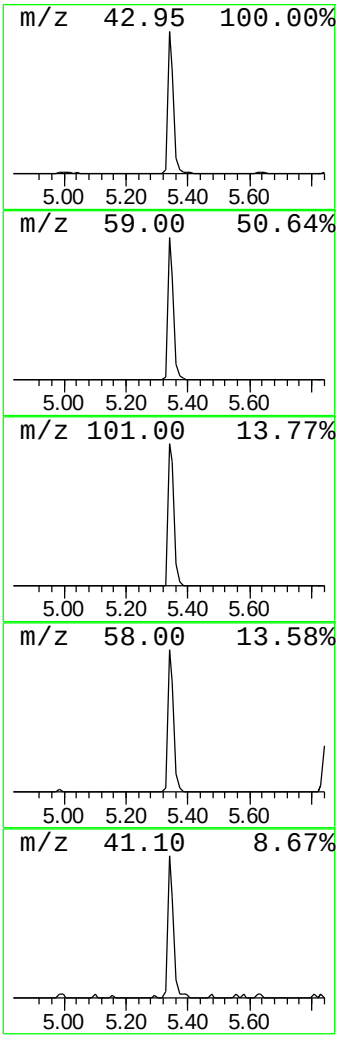
**********

Peak Number 6 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.34 | 22.93 ng | 466914 | 1,4-Dichlorobenzene-d4 | 7.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 50 |
| 2 | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O | 017348-59-3 | 42 |
| 3 | 2-Hexanol, 2-methyl- | 116 | C7H16O | 000625-23-0 | 33 |
| 4 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 25 |
| 5 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 9 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111414\
Data File : BF075554.D
Acq On : 15 Nov 2014 21:28
Operator : TP / JJ
Sample : F4632-01
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** S32-FILL01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

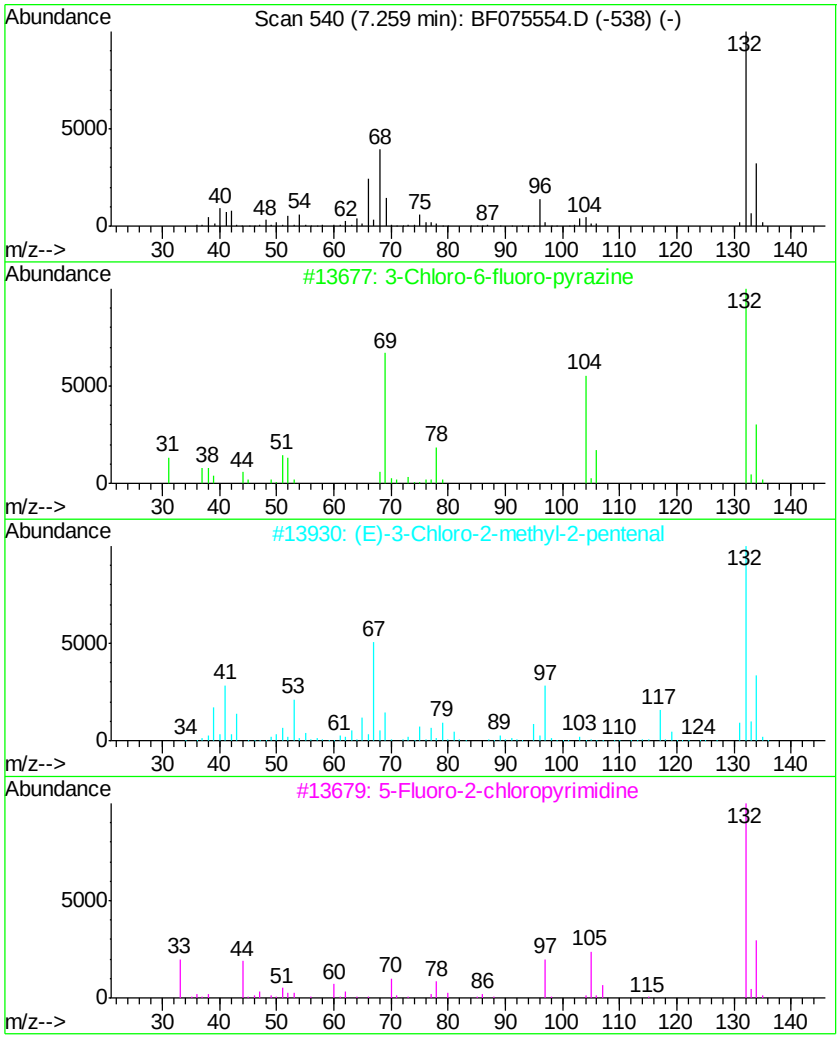
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

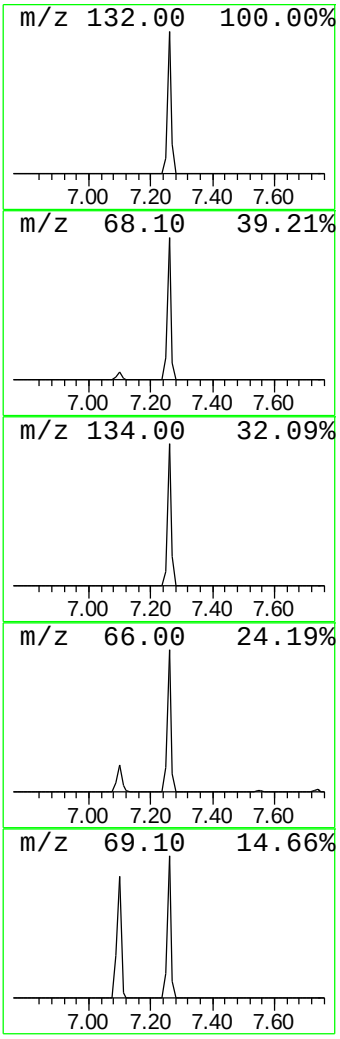
**********

Peak Number 7 unknown7.26 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.26 | 52.50 ng | 1068970 | 1,4-Dichlorobenzene-d4 | 7.56 |

| 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-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 9 |
| 4 | 4-Methylpyrrolo[1,2-a]pyrazine | 132 | C8H8N2 | 064608-60-2 | 9 |
| 5 | 1H-Benzimidazole, 2-methyl- | 132 | C8H8N2 | 000615-15-6 | 9 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111414\
Data File : BF075554.D
Acq On : 15 Nov 2014 21:28
Operator : TP / JJ
Sample : F4632-01
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** S32-FILL01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

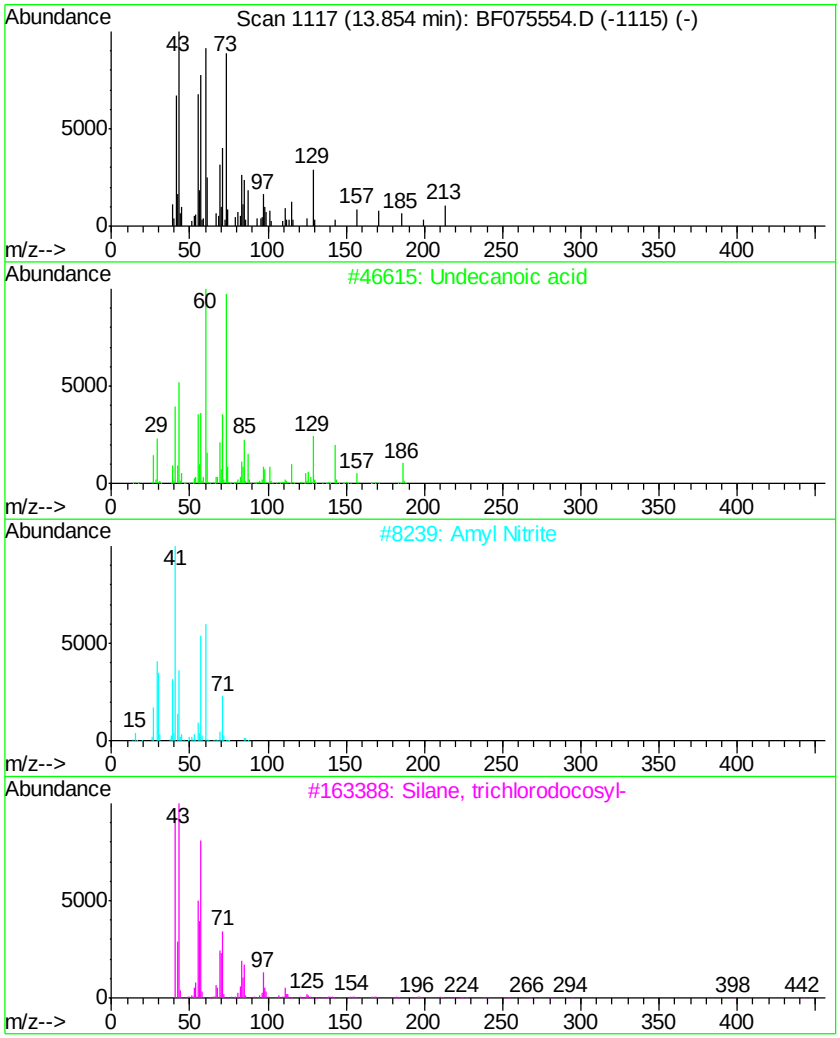
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

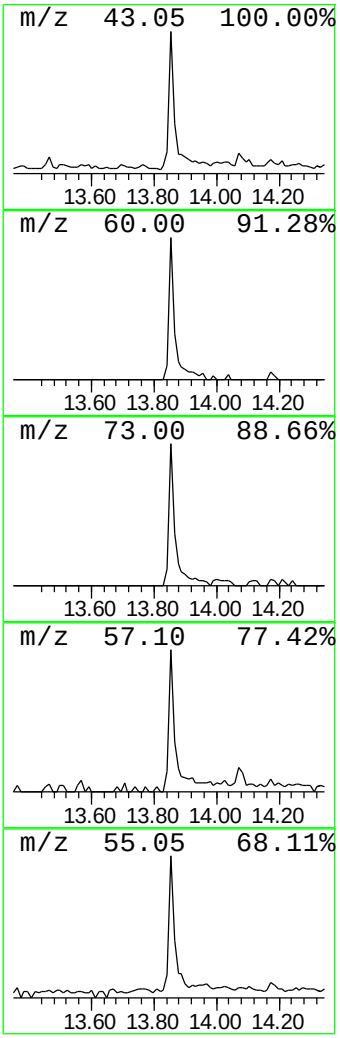
**********

Peak Number 9 Undecanoic acid Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.85 | 3.94 ng | 136998 | Phenanthrene-d10 | 13.16 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Undecanoic acid | 186 | C11H22O2 | 000112-37-8 | 80 |
| 2 | Amyl Nitrite | 117 | C5H11NO2 | 000110-46-3 | 38 |
| 3 | Silane, trichlorodocosyl- | 442 | C22H45Cl3Si | 007325-84-0 | 30 |
| 4 | Hexadecane, 1-chloro- | 260 | C16H33Cl | 004860-03-1 | 22 |
| 5 | 1-Octanol, 2-butyl- | 186 | C12H26O | 003913-02-8 | 22 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111414\
Data File : BF075554.D
Acq On : 15 Nov 2014 21:28
Operator : TP / JJ
Sample : F4632-01
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** S32-FILL01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

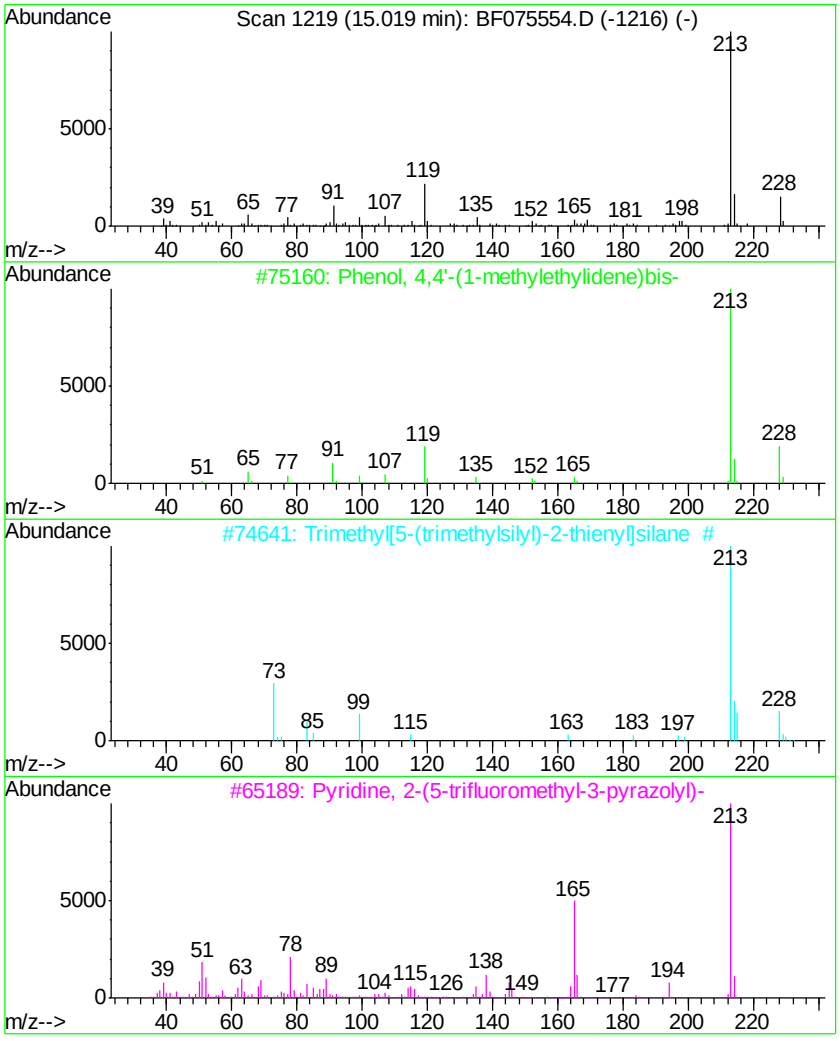
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

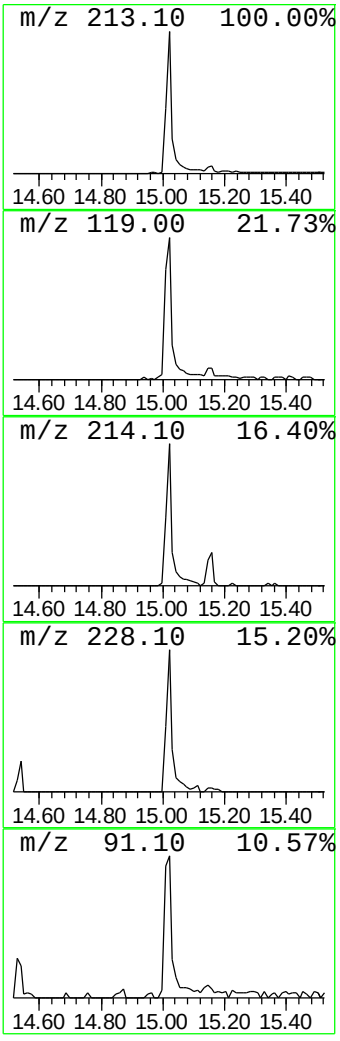
**********

Peak Number 10 Phenol, 4,4'-(1-methylethyl... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.02 | 9.20 ng | 424707 | Chrysene-d12 | 16.45 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 4,4'-(1-methylethylidene... | 228 | C15H16O2 | 000080-05-7 | 96 |
| 2 | Trimethyl[5-(trimethylsilyl)-2-t... | 228 | C10H20SSi2 | 017906-71-7 | 53 |
| 3 | Pyridine, 2-(5-trifluoromethyl-3... | 213 | C9H6F3N3 | 003974-71-8 | 50 |
| 4 | Carbanilic acid, p-phenyl- | 213 | C13H11NO2 | 004474-53-7 | 49 |
| 5 | 1,4-Puran, 5,6-dihydro-3-[3-indo... | 213 | C14H15NO | 1000128-72-9 | 40 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111414\
Data File : BF075554.D
Acq On : 15 Nov 2014 21:28
Operator : TP / JJ
Sample : F4632-01
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** S32-FILL01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

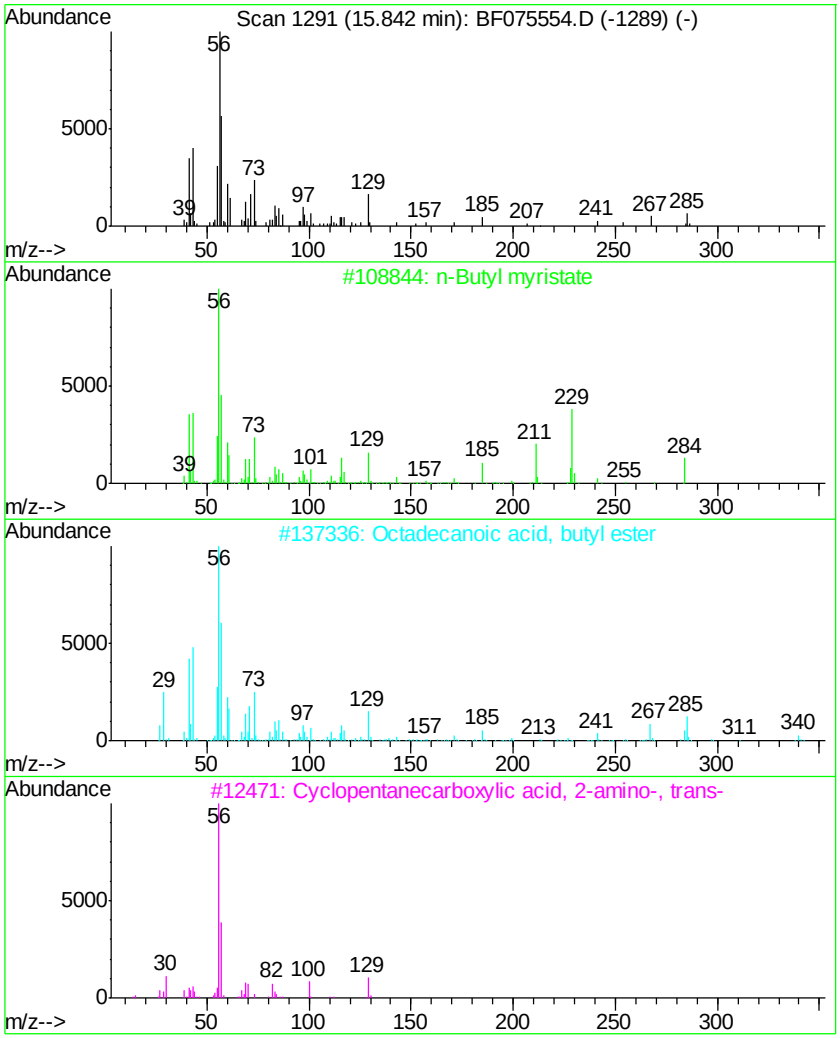
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

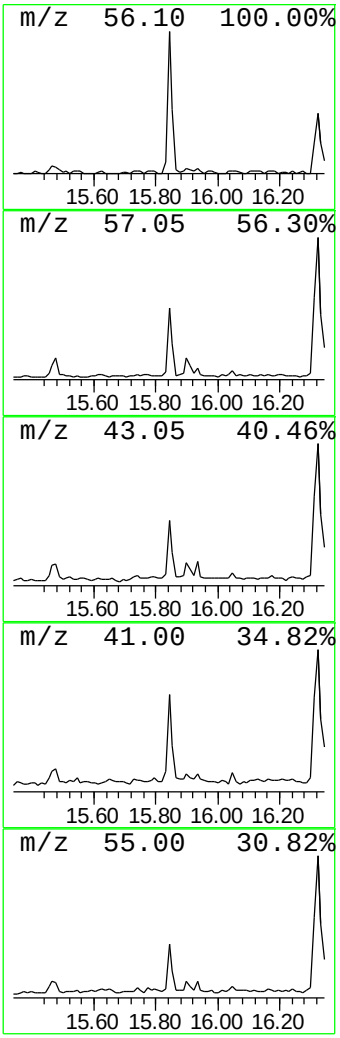
**********

Peak Number 11 n-Butyl myristate Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.84 | 3.40 ng | 157227 | Chrysene-d12 | 16.45 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Butyl myristate | 284 | C18H36O2 | 000110-36-1 | 90 |
| 2 | Octadecanoic acid, butyl ester | 340 | C22H44O2 | 000123-95-5 | 49 |
| 3 | Cyclopentanecarboxylic acid, 2-a... | 129 | C6H11NO2 | 040482-05-1 | 43 |
| 4 | Cyclobutane, 1,1-dimethyl-2-octyl- | 196 | C14H28 | 062338-30-1 | 43 |
| 5 | Cyclohexanol, 4-amino-, trans- | 115 | C6H13NO | 027489-62-9 | 38 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111414\
Data File : BF075554.D
Acq On : 15 Nov 2014 21:28
Operator : TP / JJ
Sample : F4632-01
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** S32-FILL01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

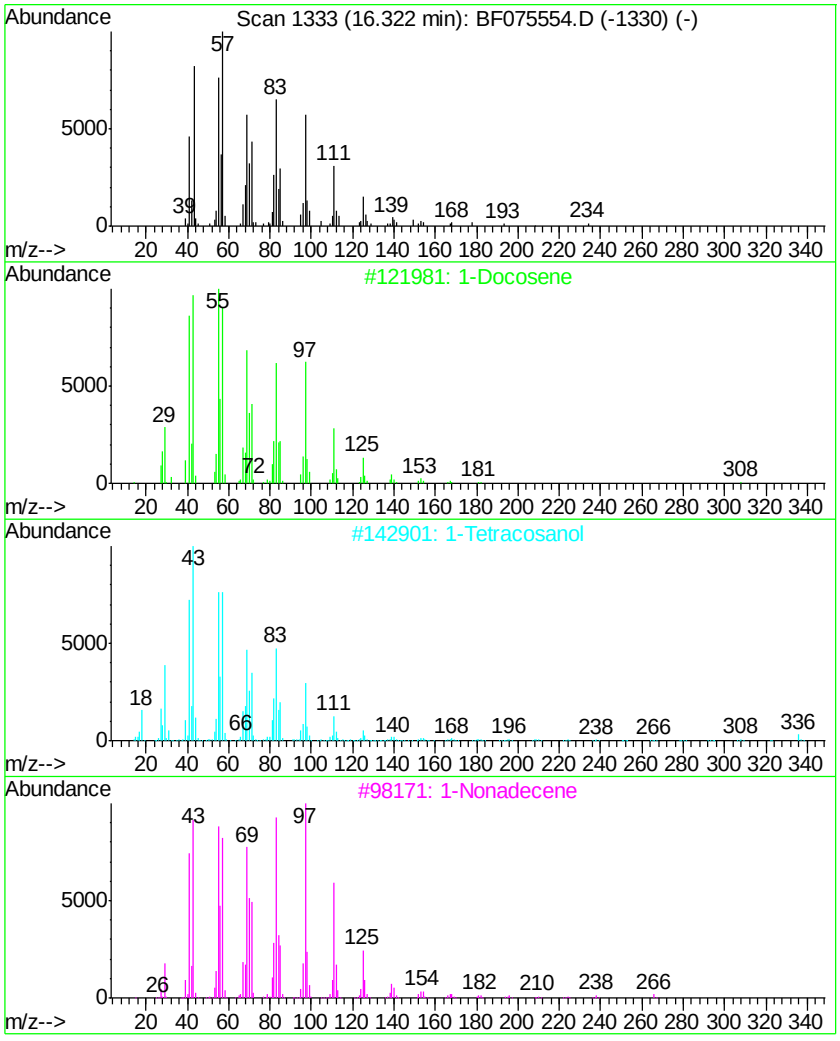
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

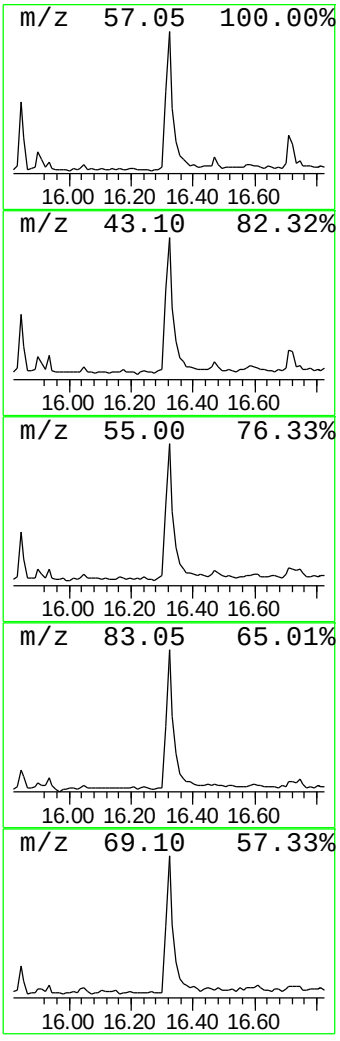
**********

Peak Number 12 1-Docosene Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.32 | 10.20 ng | 470901 | Chrysene-d12 | 16.45 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Docosene | 308 | C22H44 | 001599-67-3 | 91 |
| 2 | 1-Tetracosanol | 354 | C24H50O | 000506-51-4 | 91 |
| 3 | 1-Nonadecene | 266 | C19H38 | 018435-45-5 | 87 |
| 4 | 3-Chloropropionic acid, heptadec... | 346 | C20H39ClO2 | 1000283-05-1 | 87 |
| 5 | 1-Octadecanol | 270 | C18H38O | 000112-92-5 | 87 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111414\
Data File : BF075554.D
Acq On : 15 Nov 2014 21:28
Operator : TP / JJ
Sample : F4632-01
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** S32-FILL01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

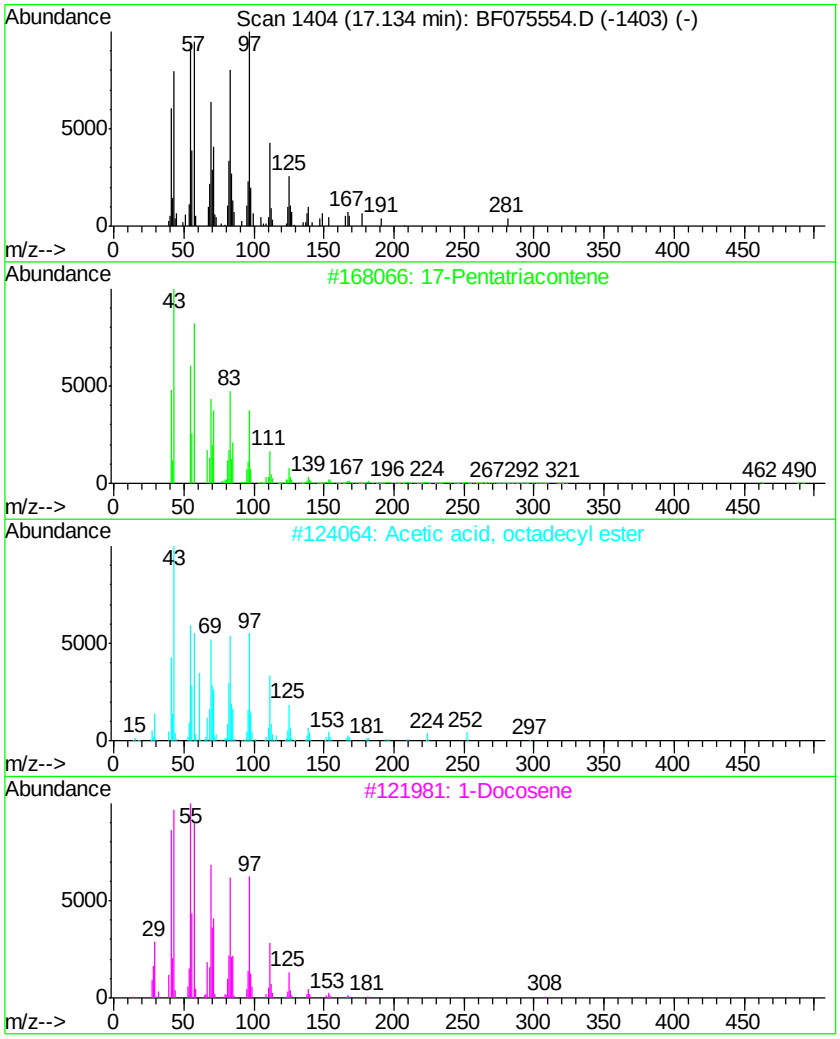
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

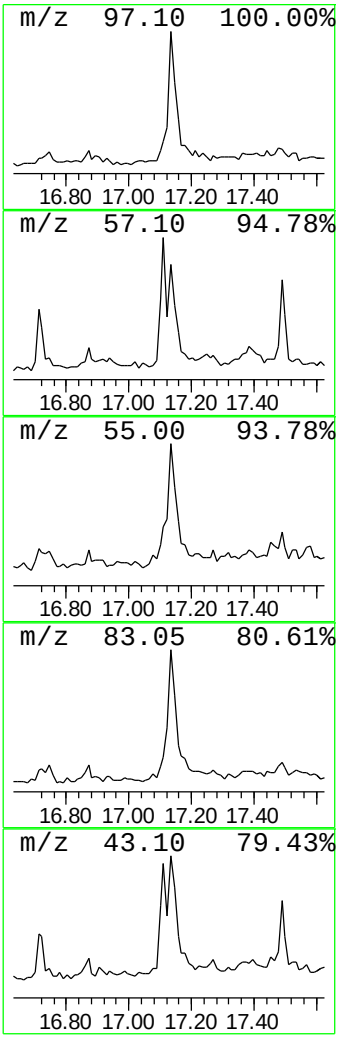
**********

Peak Number 13 17-Pentatriacontene Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.13 | 4.09 ng | 189032 | Chrysene-d12 | 16.45 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 17-Pentatriacontene | 491 | C35H70 | 006971-40-0 | 80 |
| 2 | Acetic acid, octadecyl ester | 312 | C20H40O2 | 000822-23-1 | 74 |
| 3 | 1-Docosene | 308 | C22H44 | 001599-67-3 | 64 |
| 4 | Bromoacetic acid, pentadecyl ester | 348 | C17H33BrO2 | 131143-01-6 | 52 |
| 5 | 1-Octadecanol | 270 | C18H38O | 000112-92-5 | 46 |



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Data File : BF075554.D
Acq On : 15 Nov 2014 21:28
Operator : TP / JJ
Sample : F4632-01
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** S32-FILL01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.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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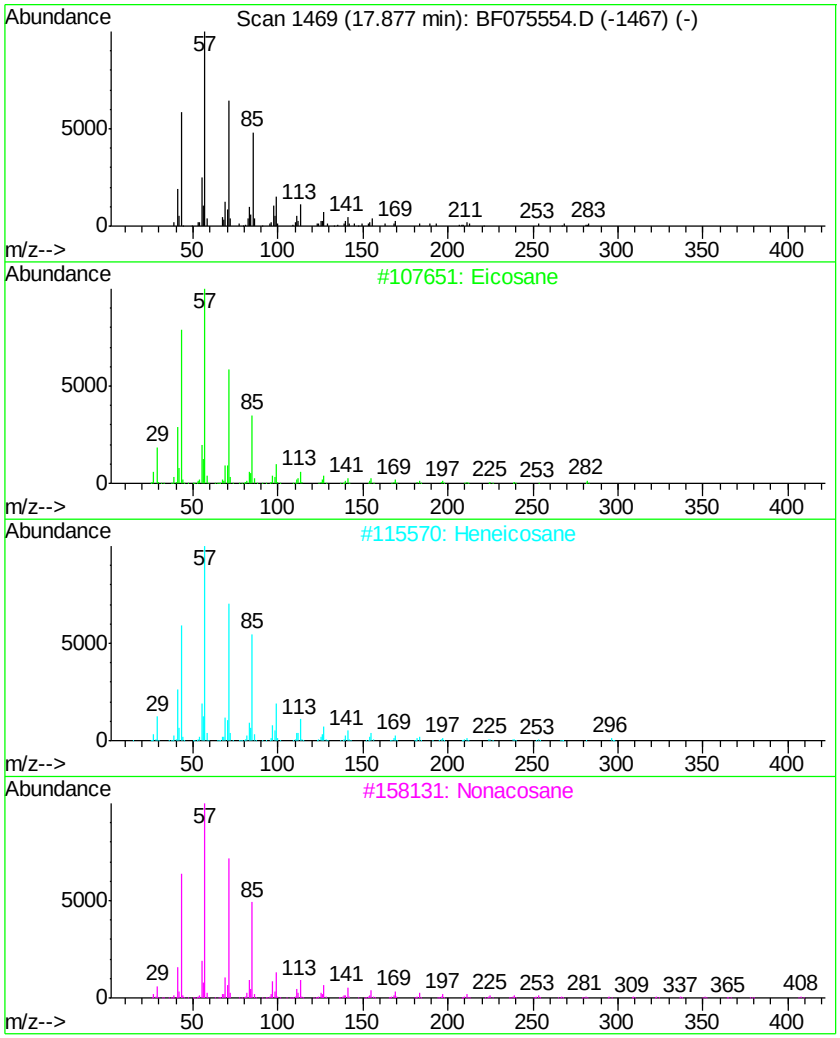
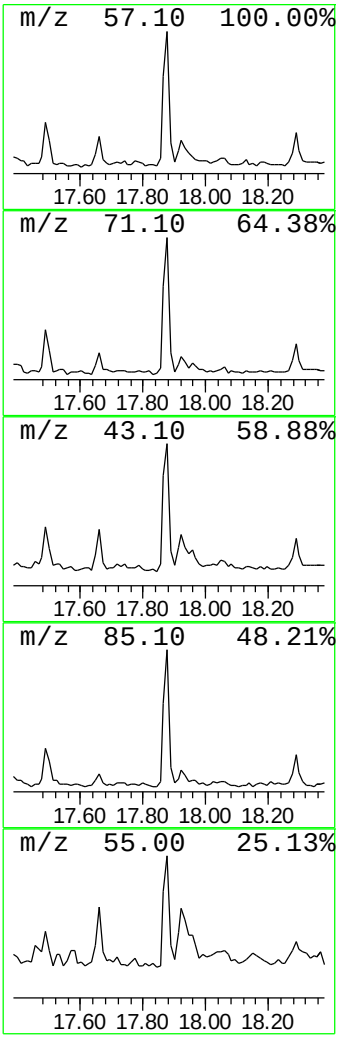
Peak Number 14 Eicosane Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.88 | 4.16 ng | 171976 | Perylene-d12 | 18.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 94 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 3 | Nonacosane | 408 | C29H60 | 000630-03-5 | 91 |
| 4 | Tetracosane | 338 | C24H50 | 000646-31-1 | 91 |
| 5 | Pentadecane, 8-heptyl- | 310 | C22H46 | 071005-15-7 | 91 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111414\
Data File : BF075554.D
Acq On : 15 Nov 2014 21:28
Operator : TP / JJ
Sample : F4632-01
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** S32-FILL01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.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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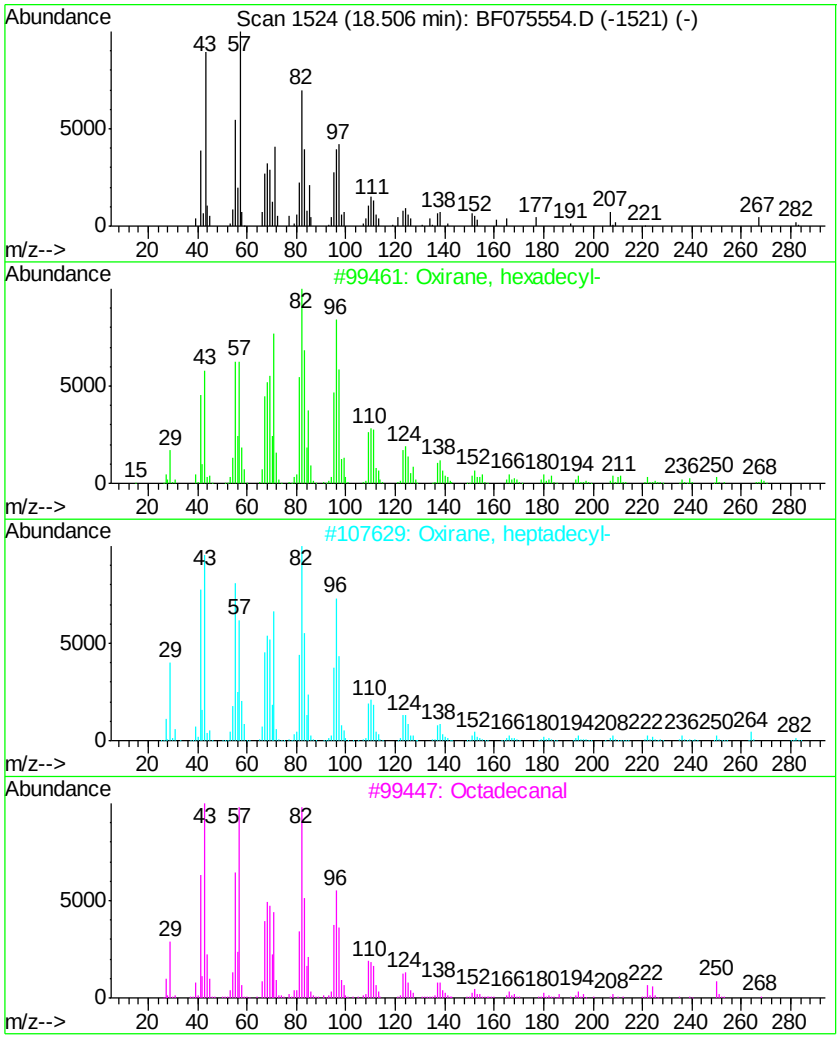
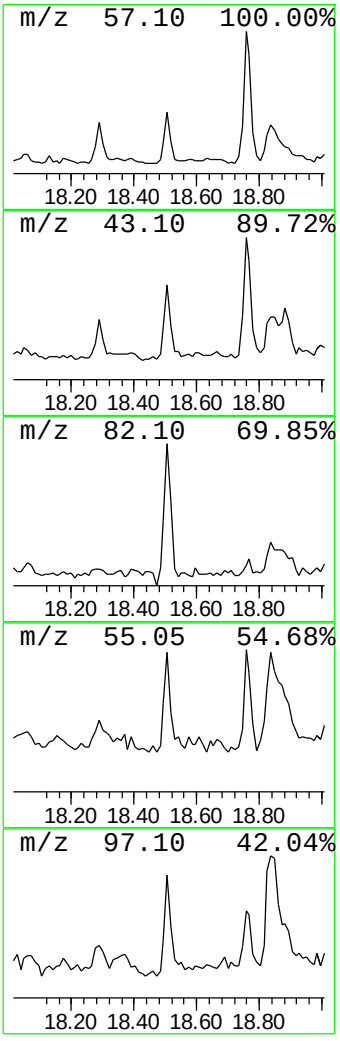
Peak Number 15 Oxirane, hexadecyl- Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.51 | 3.25 ng | 134600 | Perylene-d12 | 18.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Oxirane, hexadecyl- | 268 | C18H36O | 007390-81-0 | 87 |
| 2 | Oxirane, heptadecyl- | 282 | C19H38O | 067860-04-2 | 87 |
| 3 | Octadecanal | 268 | C18H36O | 000638-66-4 | 83 |
| 4 | Pentadecanal- | 226 | C15H30O | 002765-11-9 | 68 |
| 5 | 16-Heptadecenal | 252 | C17H32O | 1000144-57-9 | 64 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111414\
Data File : BF075554.D
Acq On : 15 Nov 2014 21:28
Operator : TP / JJ
Sample : F4632-01
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** S32-FILL01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.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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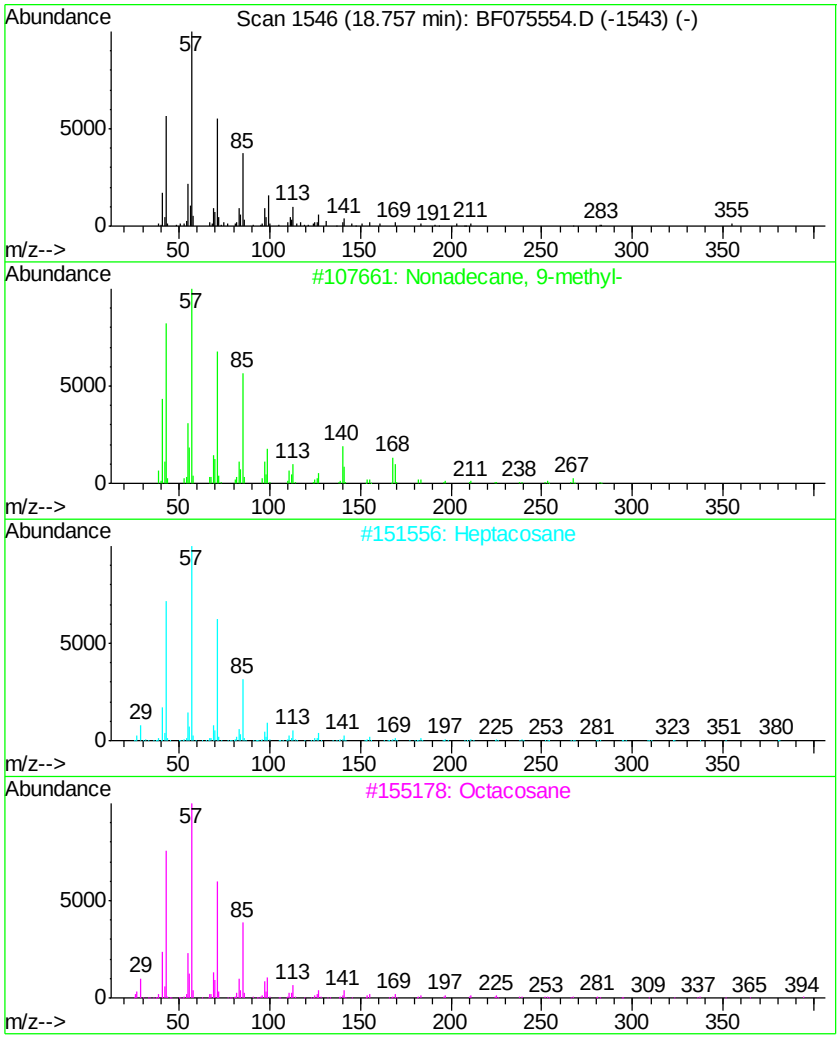
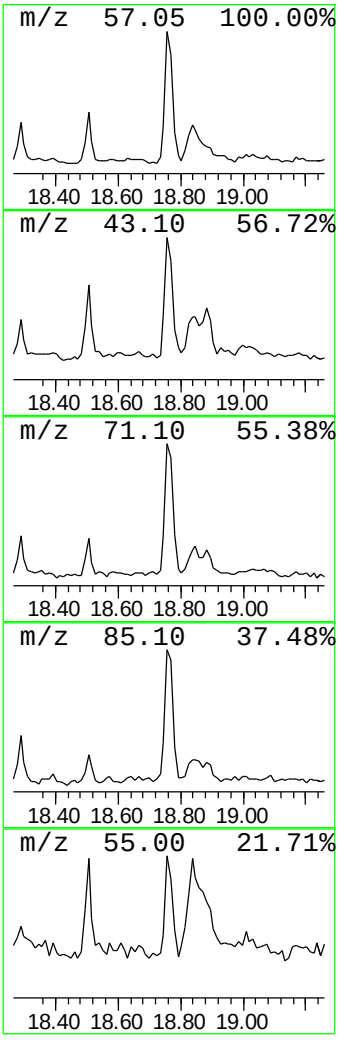
Peak Number 16 Nonadecane, 9-methyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.76 | 4.46 ng | 184701 | Perylene-d12 | 18.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonadecane, 9-methyl- | 282 | C20H42 | 013287-24-6 | 91 |
| 2 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |
| 3 | Octacosane | 394 | C28H58 | 000630-02-4 | 90 |
| 4 | Tetracosane | 338 | C24H50 | 000646-31-1 | 90 |
| 5 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111414\
Data File : BF075554.D
Acq On : 15 Nov 2014 21:28
Operator : TP / JJ
Sample : F4632-01
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** S32-FILL01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.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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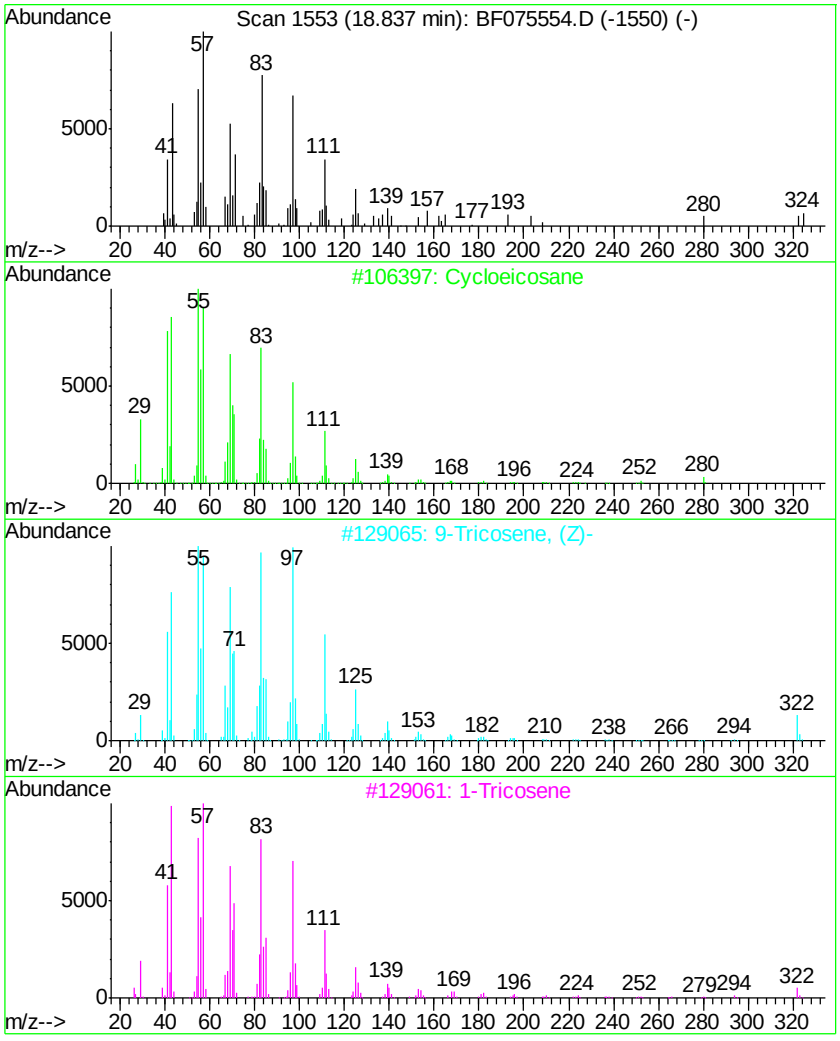
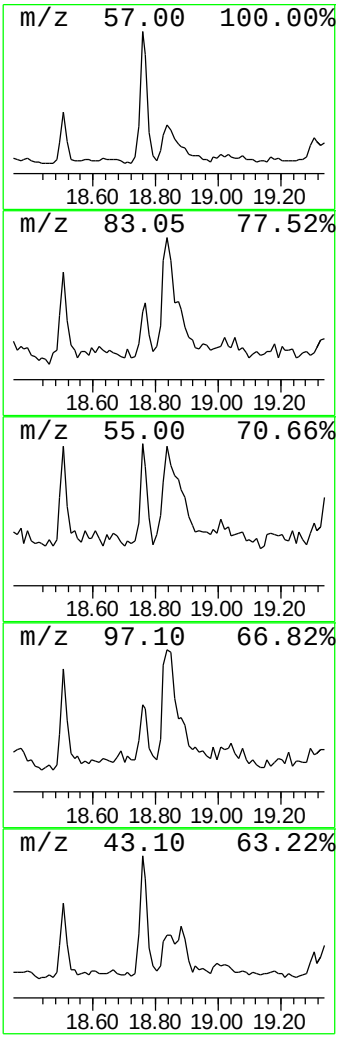
Peak Number 17 Cycloeicosane Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.84 | 3.83 ng | 158379 | Perylene-d12 | 18.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cycloeicosane | 280 | C20H40 | 000296-56-0 | 94 |
| 2 | 9-Tricosene, (Z)- | 322 | C23H46 | 027519-02-4 | 94 |
| 3 | 1-Tricosene | 322 | C23H46 | 018835-32-0 | 91 |
| 4 | 1-Nonadecene | 266 | C19H38 | 018435-45-5 | 80 |
| 5 | 5-Eicosene, (E)- | 280 | C20H40 | 074685-30-6 | 74 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111414\
Data File : BF075554.D
Acq On : 15 Nov 2014 21:28
Operator : TP / JJ
Sample : F4632-01
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** S32-FILL01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.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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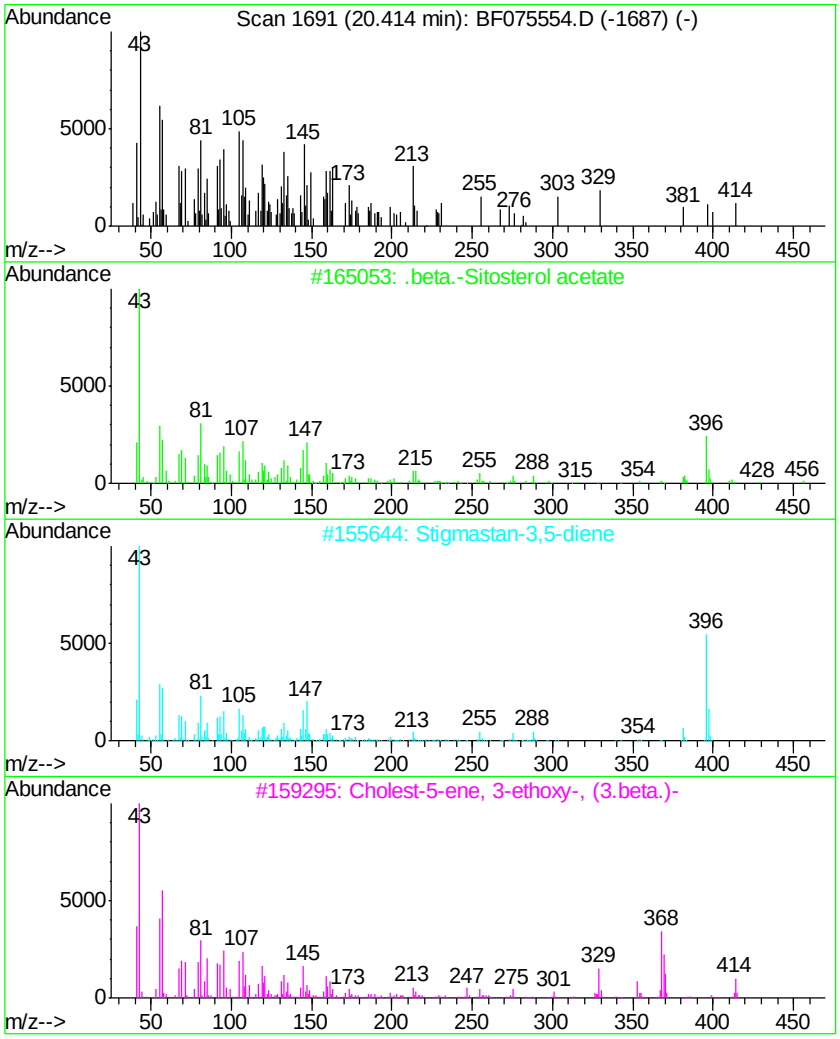
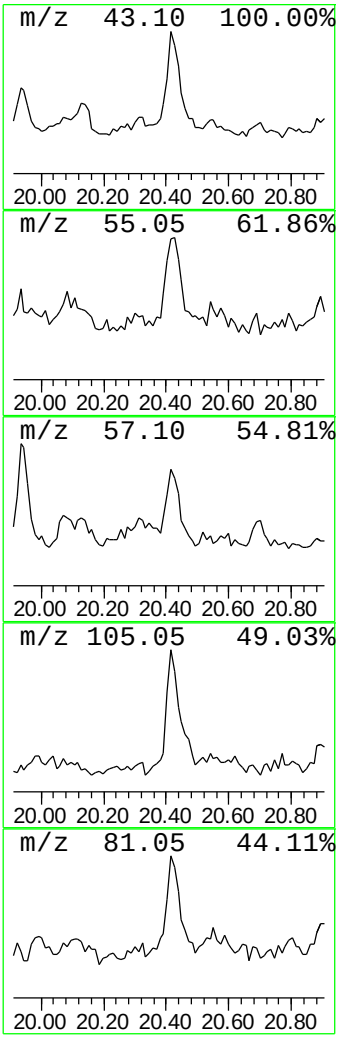
Peak Number 19 .beta.-Sitosterol acetate Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.41 | 7.66 ng | 316785 | Perylene-d12 | 18.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | .beta.-Sitosterol acetate | 456 | C31H52O2 | 000915-05-9 | 50 |
| 2 | Stigmastan-3,5-diene | 396 | C29H48 | 1000214-16-4 | 47 |
| 3 | Cholest-5-ene, 3-ethoxy-, (3.bet... | 414 | C29H50O | 000986-19-6 | 43 |
| 4 | Methyl 12-acetyl-7-desoxycholate | 448 | C27H44O5 | 055547-48-3 | 37 |
| 5 | 7-Oxabicyclo[4.1.0]heptane, 1-me... | 168 | C10H16O2 | 000096-08-2 | 16 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111414\
Data File : BF075554.D
Acq On : 15 Nov 2014 21:28
Operator : TP / JJ
Sample : F4632-01
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** S32-FILL01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.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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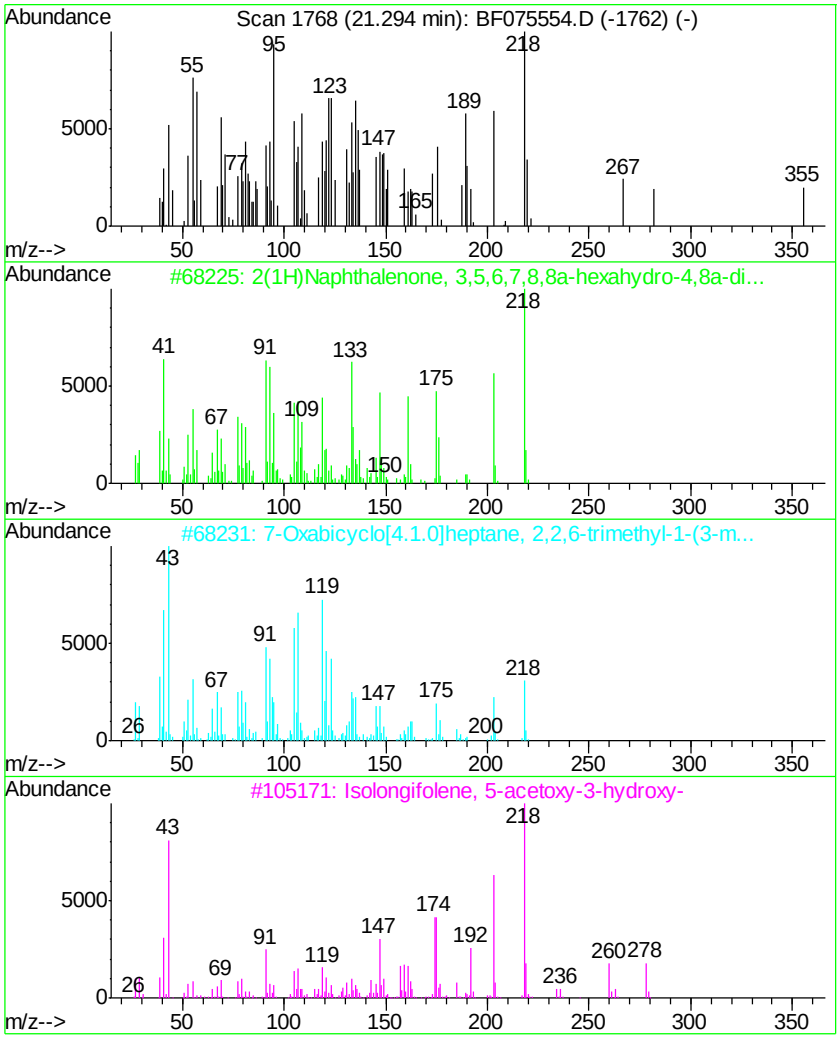
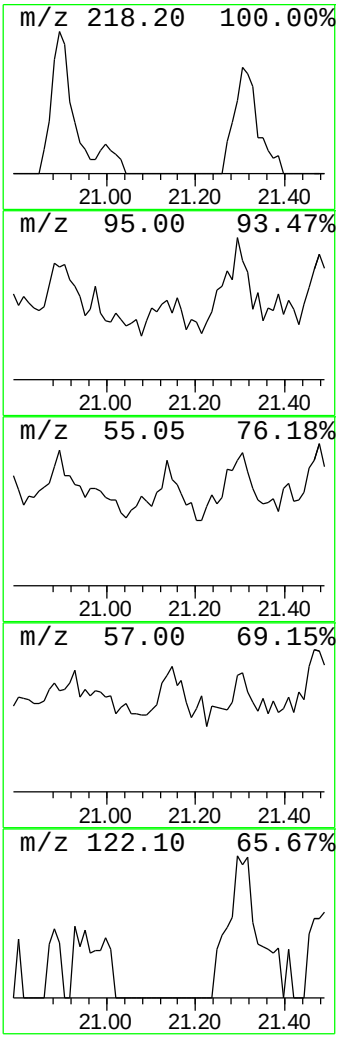
Peak Number 20 2(1H)Naphthalenone, 3,5,6,7... Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.29 | 3.98 ng | 164780 | Perylene-d12 | 18.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2(1H)Naphthalenone, 3,5,6,7,8,8a... | 218 | C15H22O | 1000188-66-5 | 64 |
| 2 | 7-Oxabicyclo[4.1.0]heptane, 2,2,... | 218 | C15H22O | 070038-20-9 | 50 |
| 3 | Isolongifolene, 5-acetoxy-3-hydr... | 278 | C17H26O3 | 1000155-56-3 | 35 |
| 4 | D-Norandrostane-16-carboxylic ac... | 304 | C20H32O2 | 054411-59-5 | 35 |
| 5 | Pyrene, hexadecahydro- | 218 | C16H26 | 002435-85-0 | 30 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111414\
Data File : BF075554.D
Acq On : 15 Nov 2014 21:28
Operator : TP / JJ
Sample : F4632-01
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** S32-FILL01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| unknown1.61 | 1.61 | 197.4 | ng | 4019150 | 1 | 7.56 | 407248 | 20.0 |
| Propane, 1,1-dime... | 2.07 | 6.7 | ng | 135925 | 1 | 7.56 | 407248 | 20.0 |
| 2-Pentanone, 4-hy... | 5.34 | 22.9 | ng | 466914 | 1 | 7.56 | 407248 | 20.0 |
| unknown7.26 | 7.26 | 52.5 | ng | 1068970 | 1 | 7.56 | 407248 | 20.0 |
| Undecanoic acid | 13.85 | 3.9 | ng | 136998 | 4 | 13.16 | 695113 | 20.0 |
| Phenol, 4,4'-(1-m... | 15.02 | 9.2 | ng | 424707 | 5 | 16.45 | 923664 | 20.0 |
| n-Butyl myristate | 15.84 | 3.4 | ng | 157227 | 5 | 16.45 | 923664 | 20.0 |
| 1-Docosene | 16.32 | 10.2 | ng | 470901 | 5 | 16.45 | 923664 | 20.0 |
| 17-Pentatriacontene | 17.13 | 4.1 | ng | 189032 | 5 | 16.45 | 923664 | 20.0 |
| Eicosane | 17.88 | 4.2 | ng | 171976 | 6 | 18.19 | 827648 | 20.0 |
| Oxirane, hexadecyl- | 18.51 | 3.3 | ng | 134600 | 6 | 18.19 | 827648 | 20.0 |
| Nonadecane, 9-met... | 18.76 | 4.5 | ng | 184701 | 6 | 18.19 | 827648 | 20.0 |
| Cycloeicosane | 18.84 | 3.8 | ng | 158379 | 6 | 18.19 | 827648 | 20.0 |
| .beta.-Sitosterol... | 20.41 | 7.7 | ng | 316785 | 6 | 18.19 | 827648 | 20.0 |
| 2(1H)Naphthalenon... | 21.29 | 4.0 | ng | 164780 | 6 | 18.19 | 827648 | 20.0 |