LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040715\
Data File : BF078312.D
Acq On : 7 Apr 2015 21:56
Operator : TP/IZ
Sample : G1783-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-16(11-12)

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-BF040115.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 | 1.092 | 16 | 18 | 21 | rBV | 1163275 | 1417112 | 100.00% | 12.057% |
| 2 | 1.207 | 24 | 28 | 31 | rVB | 96701 | 161840 | 11.42% | 1.377% |
| 3 | 1.355 | 39 | 41 | 44 | rVB | 94573 | 103897 | 7.33% | 0.884% |
| 4 | 1.664 | 66 | 68 | 81 | rBV | 37703 | 69052 | 4.87% | 0.587% |
| 5 | 4.624 | 325 | 327 | 334 | rBV | 80392 | 110584 | 7.80% | 0.941% |
| 6 | 5.207 | 375 | 378 | 387 | rBV | 634622 | 947155 | 66.84% | 8.058% |
| 7 | 6.533 | 491 | 494 | 496 | rBV | 785720 | 980794 | 69.21% | 8.345% |
| 8 | 6.647 | 501 | 504 | 506 | rBV | 1061175 | 1047359 | 73.91% | 8.911% |
| 9 | 6.933 | 527 | 529 | 531 | rBV | 189741 | 188277 | 13.29% | 1.602% |
| 10 | 7.116 | 543 | 545 | 547 | rBV | 846111 | 761441 | 53.73% | 6.478% |
| 11 | 7.630 | 588 | 590 | 592 | rBV | 684743 | 596310 | 42.08% | 5.073% |
| 12 | 8.510 | 665 | 667 | 669 | rBV | 278948 | 262246 | 18.51% | 2.231% |
| 13 | 9.230 | 728 | 730 | 732 | rBB | 41069 | 38789 | 2.74% | 0.330% |
| 14 | 9.859 | 783 | 785 | 787 | rBV | 1365221 | 1150992 | 81.22% | 9.793% |
| 15 | 10.373 | 827 | 830 | 832 | rBV | 64558 | 61298 | 4.33% | 0.522% |
| 16 | 10.671 | 854 | 856 | 859 | rVB | 340374 | 317635 | 22.41% | 2.702% |
| 17 | 11.573 | 933 | 935 | 938 | rBV | 167274 | 166065 | 11.72% | 1.413% |
| 18 | 11.653 | 939 | 942 | 944 | rBV | 561001 | 754292 | 53.23% | 6.418% |
| 19 | 12.499 | 1014 | 1016 | 1019 | rBV | 361375 | 323733 | 22.84% | 2.754% |
| 20 | 13.254 | 1079 | 1082 | 1085 | rBV | 16774 | 26183 | 1.85% | 0.223% |
| 21 | 14.499 | 1188 | 1191 | 1193 | rBV | 898649 | 1198276 | 84.56% | 10.195% |
| 22 | 15.700 | 1293 | 1296 | 1301 | rBV | 92056 | 160957 | 11.36% | 1.369% |
| 23 | 15.791 | 1301 | 1304 | 1306 | rVV | 300610 | 358171 | 25.27% | 3.047% |
| 24 | 16.134 | 1331 | 1334 | 1338 | rBV | 15208 | 18679 | 1.32% | 0.159% |
| 25 | 16.557 | 1368 | 1371 | 1377 | rVB | 16584 | 30562 | 2.16% | 0.260% |
| 26 | 16.968 | 1404 | 1407 | 1409 | rVB | 13750 | 17653 | 1.25% | 0.150% |
| 27 | 17.380 | 1440 | 1443 | 1446 | rBV | 14104 | 21534 | 1.52% | 0.183% |
| 28 | 17.597 | 1459 | 1462 | 1466 | rBV | 227197 | 342563 | 24.17% | 2.915% |
| 29 | 17.803 | 1478 | 1480 | 1483 | rBV | 12255 | 16424 | 1.16% | 0.140% |
| 30 | 18.226 | 1514 | 1517 | 1518 | rBV2 | 9529 | 16885 | 1.19% | 0.144% |
| 31 | 18.260 | 1518 | 1520 | 1527 | rVV4 | 11437 | 24862 | 1.75% | 0.212% |
| 32 | 18.660 | 1552 | 1555 | 1562 | rVB5 | 7905 | 20542 | 1.45% | 0.175% |
| 33 | 19.471 | 1623 | 1626 | 1632 | rBV6 | 8823 | 23655 | 1.67% | 0.201% |
| 34 | 19.746 | 1648 | 1650 | 1659 | rVB6 | 4791 | 17762 | 1.25% | 0.151% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040715\
Data File : BF078312.D
Acq On : 7 Apr 2015 21:56
Operator : TP/IZ
Sample : G1783-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-16(11-12)

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-BF040115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

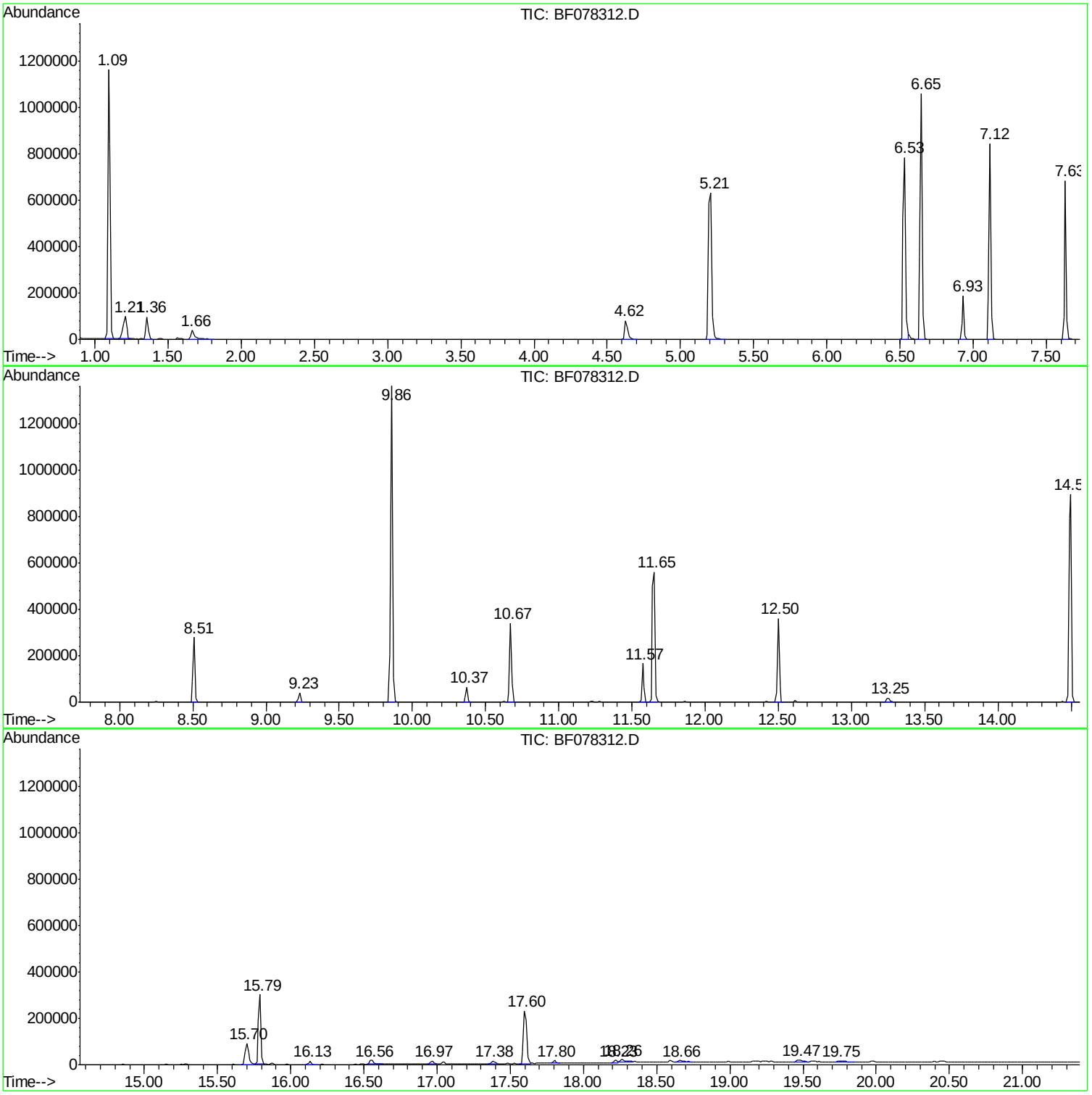
Sum of corrected areas: 11753579

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040715\
Data File : BF078312.D
Acq On : 7 Apr 2015 21:56
Operator : TP/IZ
Sample : G1783-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-16(11-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.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\BF040715\
Data File : BF078312.D
Acq On : 7 Apr 2015 21:56
Operator : TP/IZ
Sample : G1783-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-16(11-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

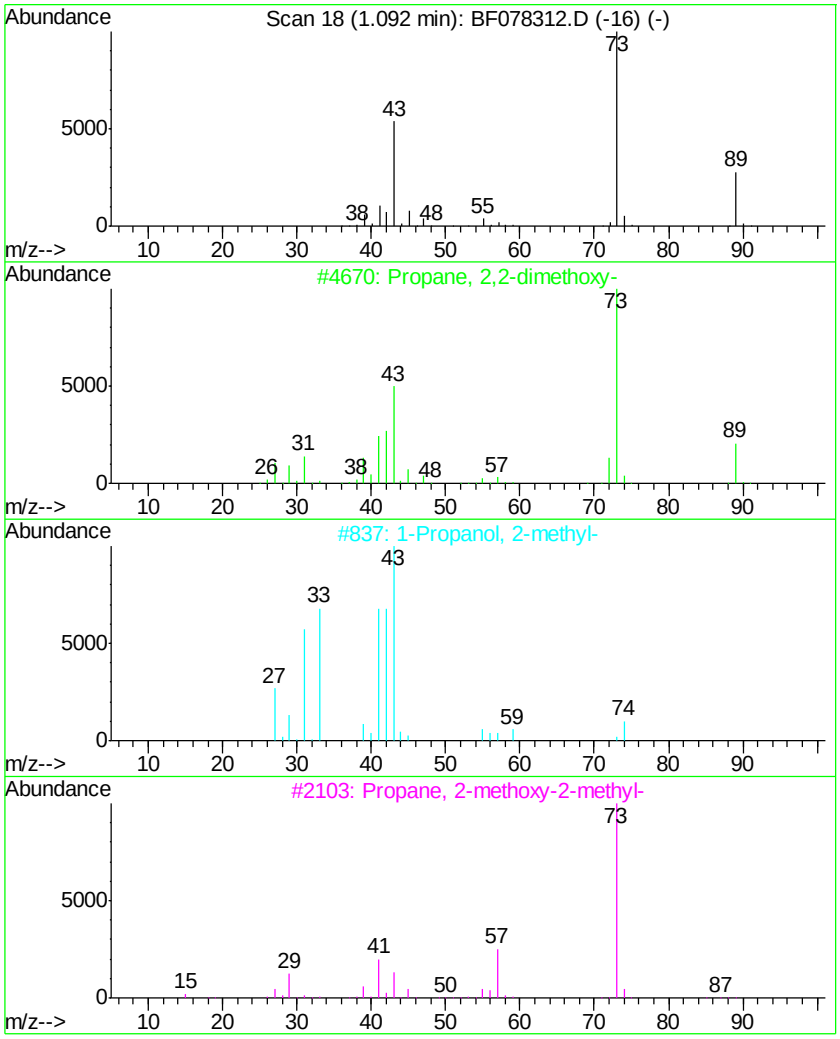
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

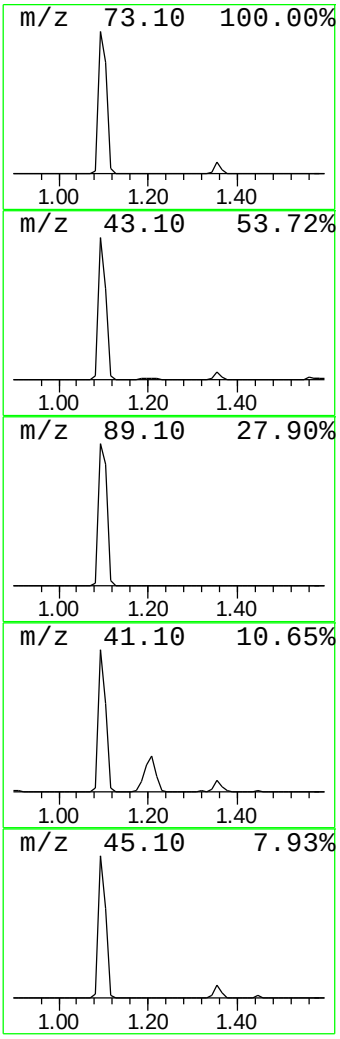
**********

Peak Number 1 Propane, 2,2-dimethoxy- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.09 | 150.54 ng | 1417110 | 1,4-Dichlorobenzene-d4 | 6.93 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propane, 2,2-dimethoxy- | 104 | C5H12O2 | 000077-76-9 | 72 |
| 2 | 1-Propanol, 2-methyl- | 74 | C4H10O | 000078-83-1 | 9 |
| 3 | Propane, 2-methoxy-2-methyl- | 88 | C5H12O | 001634-04-4 | 9 |
| 4 | Propanoic acid, 2-methyl-, propy... | 130 | C7H14O2 | 000644-49-5 | 9 |
| 5 | 2-Propanone, 1-hydroxy- | 74 | C3H6O2 | 000116-09-6 | 7 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040715\
Data File : BF078312.D
Acq On : 7 Apr 2015 21:56
Operator : TP/IZ
Sample : G1783-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-16(11-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

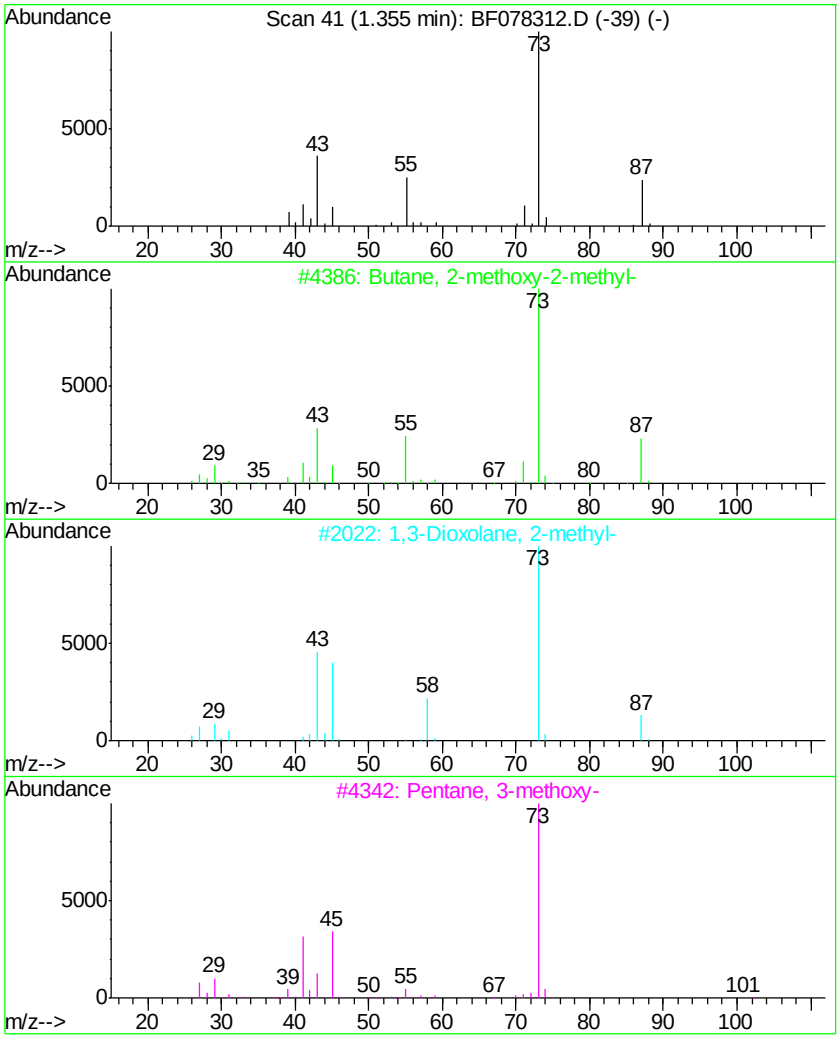
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

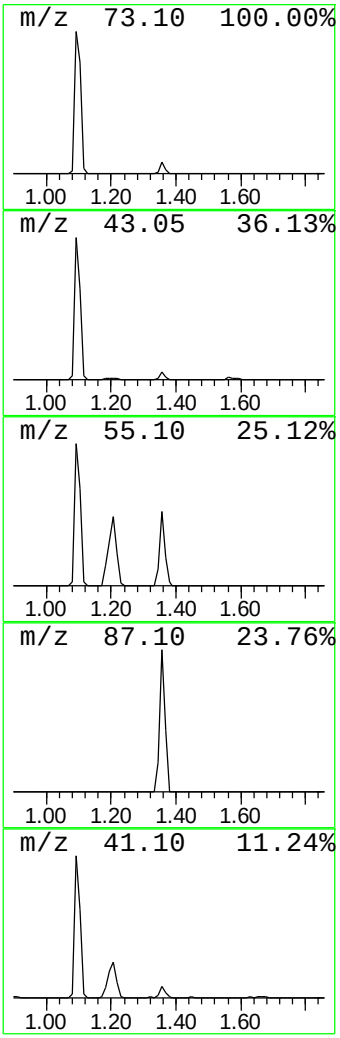
**********

Peak Number 3 Butane, 2-methoxy-2-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.36 | 11.04 ng | 103897 | 1,4-Dichlorobenzene-d4 | 6.93 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 78 |
| 2 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 25 |
| 3 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 17 |
| 4 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 12 |
| 5 | Acetamide, N-ethyl- | 87 | C4H9NO | 000625-50-3 | 10 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040715\
Data File : BF078312.D
Acq On : 7 Apr 2015 21:56
Operator : TP/IZ
Sample : G1783-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-16(11-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

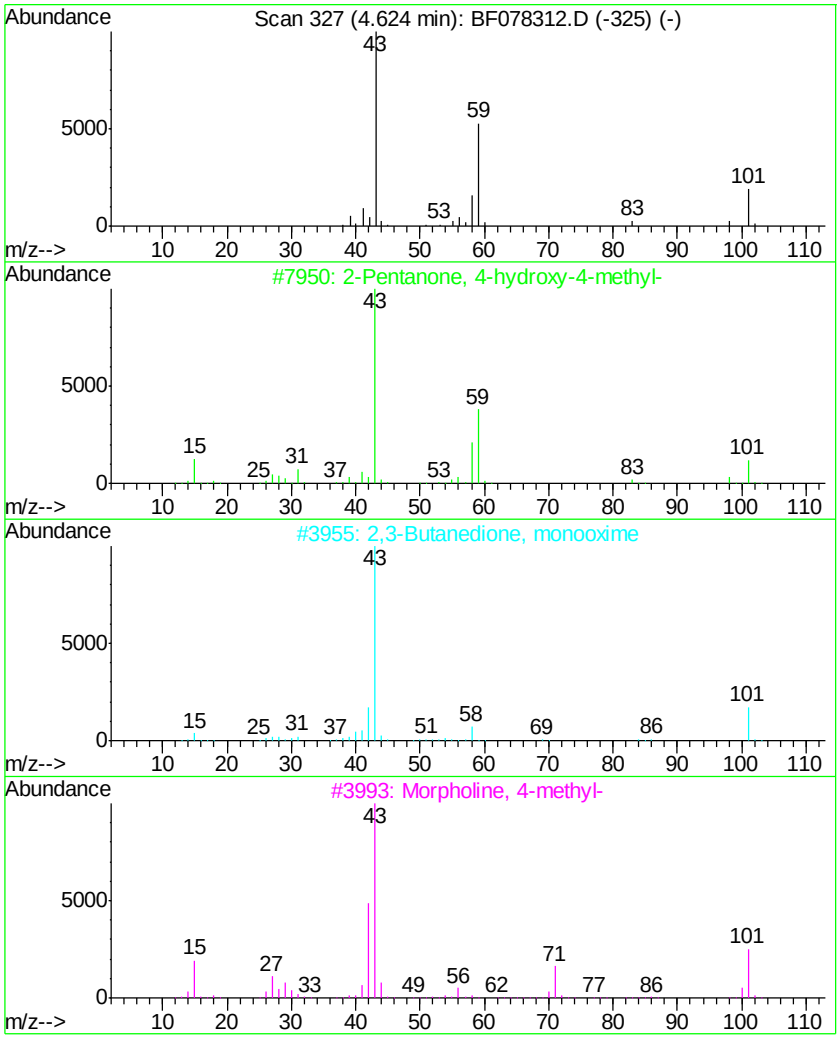
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

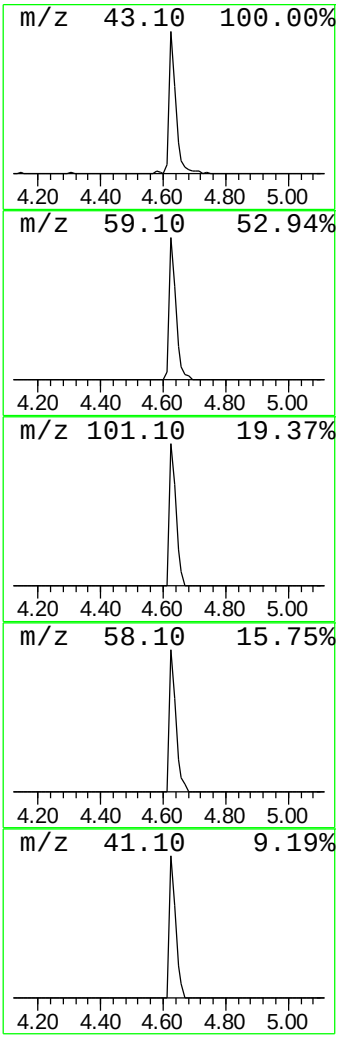
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.62 | 11.75 ng | 110584 | 1,4-Dichlorobenzene-d4 | 6.93 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 53 |
| 2 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 12 |
| 3 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 9 |
| 4 | 5-Hexen-2-one | 98 | C6H10O | 000109-49-9 | 9 |
| 5 | Butyl aldoxime, 3-methyl-, syn- | 101 | C5H11NO | 005780-40-5 | 9 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040715\
Data File : BF078312.D
Acq On : 7 Apr 2015 21:56
Operator : TP/IZ
Sample : G1783-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-16(11-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

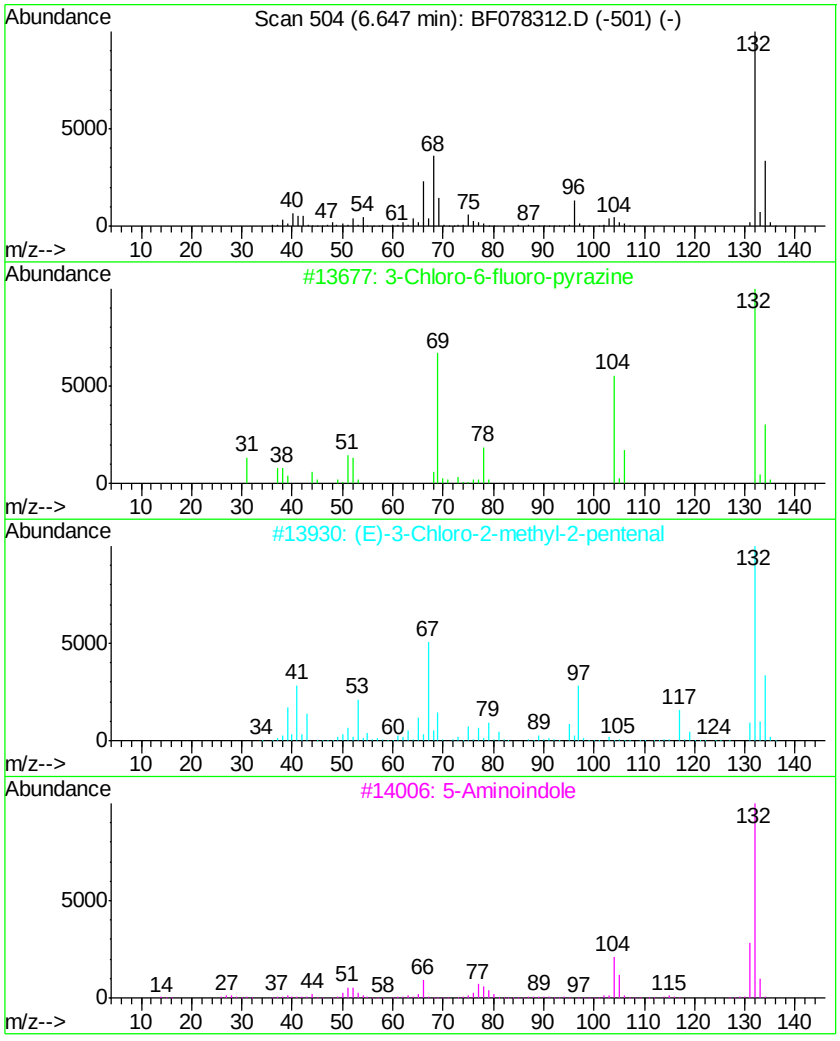
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

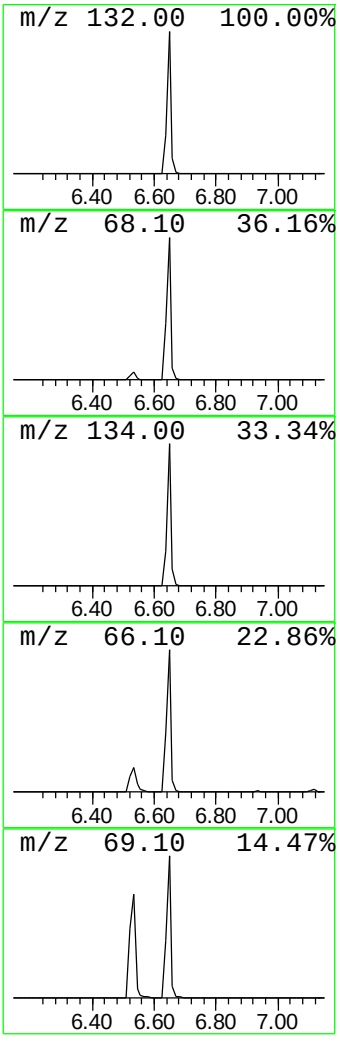
**********

Peak Number 6 unknown6.65 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.65 | 111.26 ng | 1047360 | 1,4-Dichlorobenzene-d4 | 6.93 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 35 |
| 2 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 25 |
| 3 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |
| 4 | 4-Chloro-2-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-00-5 | 9 |
| 5 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040715\
Data File : BF078312.D
Acq On : 7 Apr 2015 21:56
Operator : TP/IZ
Sample : G1783-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-16(11-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

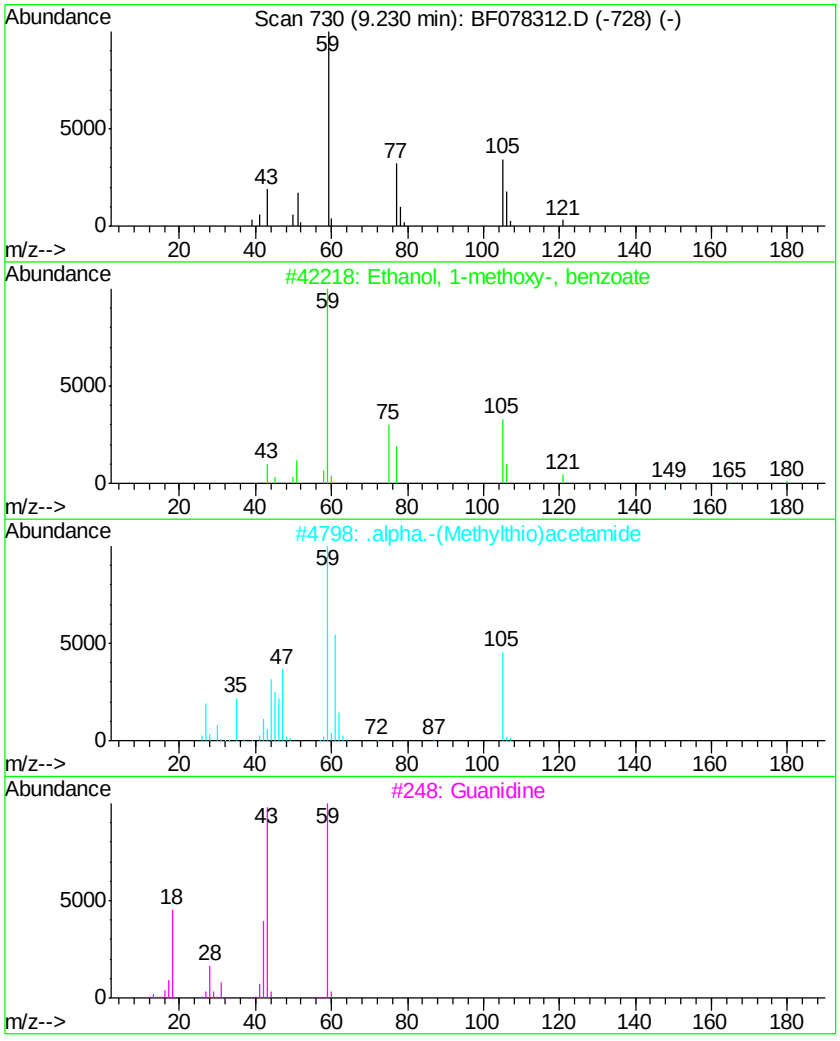
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

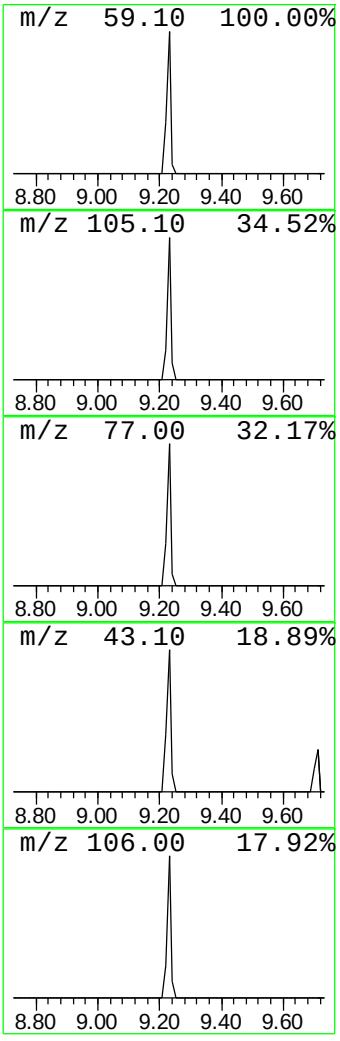
**********

Peak Number 8 Ethanol, 1-methoxy-, benzoate Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.23 | 2.96 ng | 38789 | Naphthalene-d8 | 8.51 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol, 1-methoxy-, benzoate | 180 | C10H12O3 | 051835-44-0 | 56 |
| 2 | .alpha.-(Methylthio)acetamide | 105 | C3H7NOS | 022551-24-2 | 7 |
| 3 | Guanidine | 59 | CH5N3 | 000113-00-8 | 5 |
| 4 | Acetamide | 59 | C2H5NO | 000060-35-5 | 5 |
| 5 | Formamide, N-methyl- | 59 | C2H5NO | 000123-39-7 | 4 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040715\
Data File : BF078312.D
Acq On : 7 Apr 2015 21:56
Operator : TP/IZ
Sample : G1783-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-16(11-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

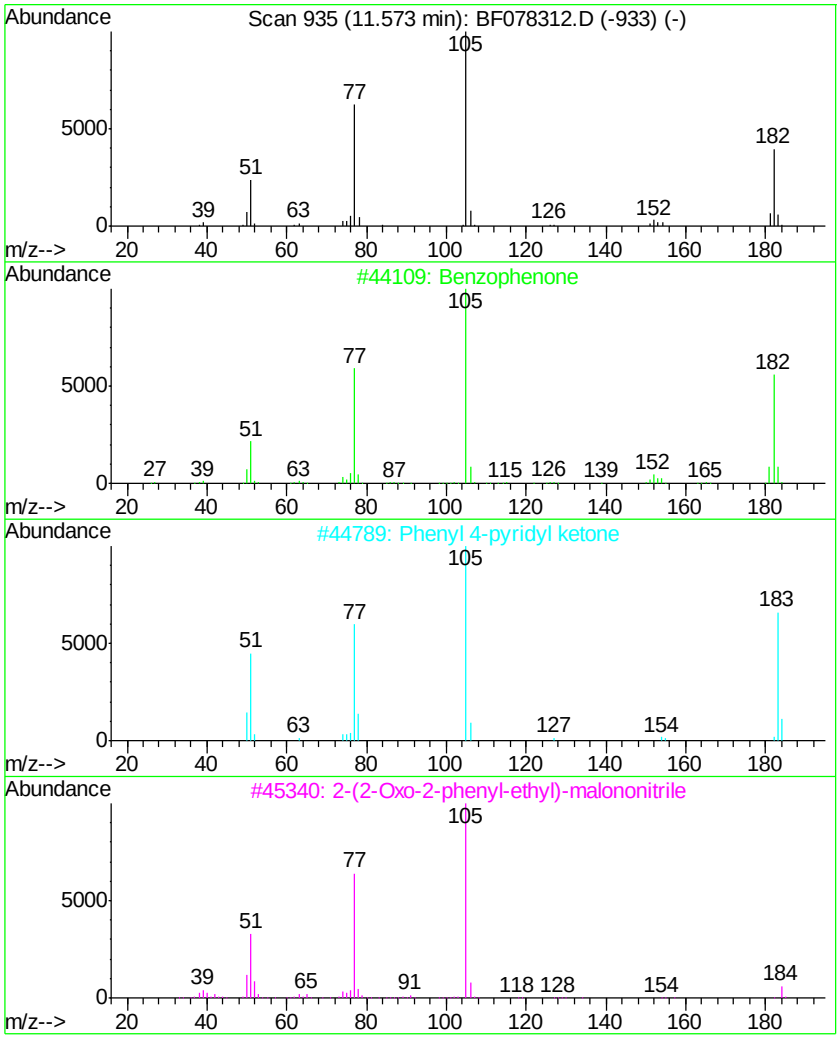
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

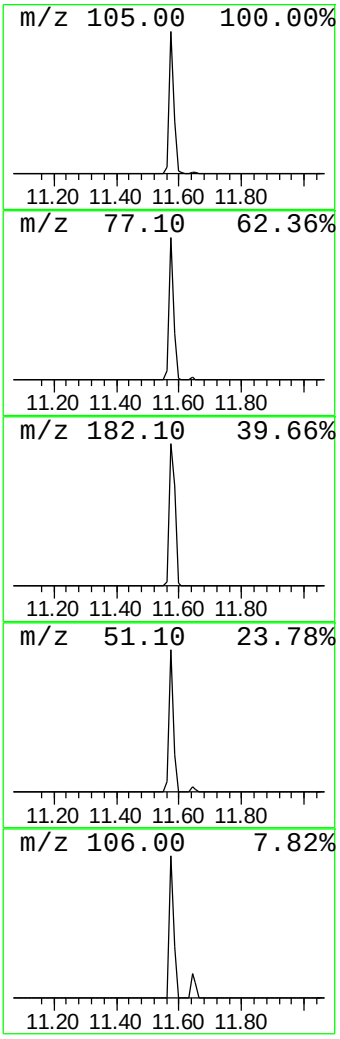
**********

Peak Number 9 Benzophenone Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.57 | 10.46 ng | 166065 | Acenaphthene-d10 | 10.67 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzophenone | 182 | C13H10O | 000119-61-9 | 97 |
| 2 | Phenyl 4-pyridyl ketone | 183 | C12H9NO | 014548-46-0 | 58 |
| 3 | 2-(2-Oxo-2-phenyl-ethyl)-malonon... | 184 | C11H8N2O | 1000296-76-9 | 47 |
| 4 | Acetophenone, 2-chloro- | 154 | C8H7ClO | 000532-27-4 | 47 |
| 5 | Ethanone, 2,2,2-trifluoro-1-phenyl- | 174 | C8H5F3O | 000434-45-7 | 47 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040715\
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Acq On : 7 Apr 2015 21:56
Operator : TP/IZ
Sample : G1783-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-16(11-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

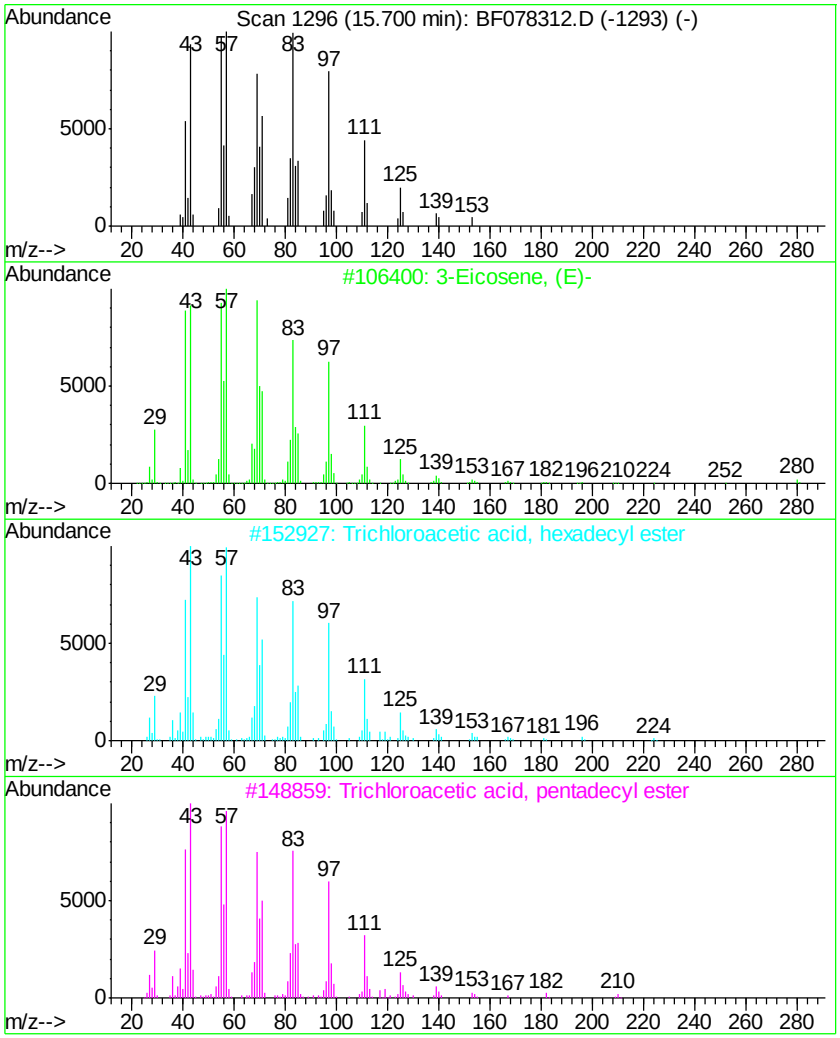
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

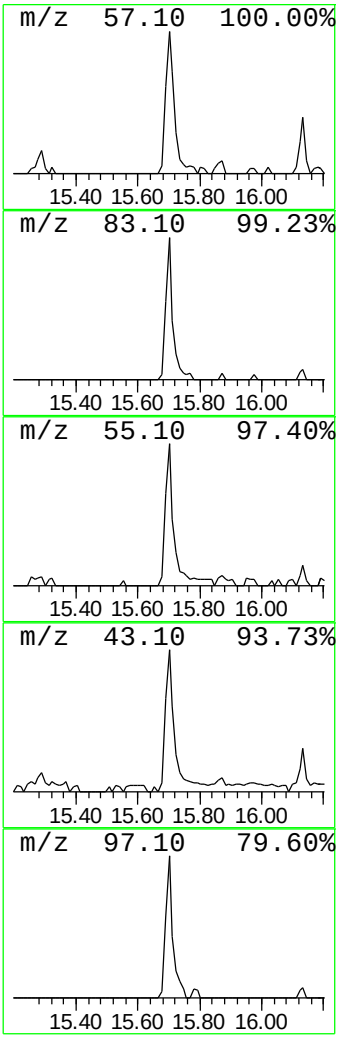
**********

Peak Number 10 3-Eicosene, (E)- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.70 | 8.99 ng | 160957 | Chrysene-d12 | 15.79 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Eicosene, (E)- | 280 | C20H40 | 074685-33-9 | 90 |
| 2 | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 90 |
| 3 | Trichloroacetic acid, pentadecyl... | 372 | C17H31Cl3O2 | 074339-53-0 | 87 |
| 4 | 1-Hexadecanol | 242 | C16H34O | 036653-82-4 | 86 |
| 5 | 1-Tetracosanol | 354 | C24H50O | 000506-51-4 | 86 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040715\
Data File : BF078312.D
Acq On : 7 Apr 2015 21:56
Operator : TP/IZ
Sample : G1783-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-16(11-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.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 |
| Propane, 2,2-dime... | 1.09 | 150.5 | ng | 1417110 | 1 | 6.93 | 188277 | 20.0 |
| Butane, 2-methoxy... | 1.36 | 11.0 | ng | 103897 | 1 | 6.93 | 188277 | 20.0 |
| 2-Pentanone, 4-hy... | 4.62 | 11.8 | ng | 110584 | 1 | 6.93 | 188277 | 20.0 |
| unknown6.65 | 6.65 | 111.3 | ng | 1047360 | 1 | 6.93 | 188277 | 20.0 |
| Ethanol, 1-methox... | 9.23 | 3.0 | ng | 38789 | 2 | 8.51 | 262246 | 20.0 |
| Benzophenone | 11.57 | 10.5 | ng | 166065 | 3 | 10.67 | 317635 | 20.0 |
| 3-Eicosene, (E)- | 15.70 | 9.0 | ng | 160957 | 5 | 15.79 | 358171 | 20.0 |