LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF022515\
Data File : BF077447.D
Acq On : 25 Feb 2015 21:40
Operator : IZ / TP
Sample : G1358-05
Misc : S/DOD
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TU012-SB-13-7.5

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-BF021913.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 | 0.944 | 4 | 5 | 14 | rVB2 | 49323 | 61817 | 1.03% | 0.260% |
| 2 | 1.458 | 47 | 50 | 52 | rBV | 5310653 | 5977253 | 100.00% | 25.109% |
| 3 | 1.584 | 57 | 61 | 65 | rVB | 106079 | 202056 | 3.38% | 0.849% |
| 4 | 1.767 | 73 | 77 | 84 | rVB | 66269 | 80951 | 1.35% | 0.340% |
| 5 | 1.870 | 84 | 86 | 89 | rBV | 40729 | 66682 | 1.12% | 0.280% |
| 6 | 5.070 | 364 | 366 | 374 | rVB | 276954 | 371086 | 6.21% | 1.559% |
| 7 | 5.573 | 408 | 410 | 413 | rBV | 1013608 | 1339256 | 22.41% | 5.626% |
| 8 | 6.842 | 518 | 521 | 523 | rBV | 1583675 | 1549146 | 25.92% | 6.508% |
| 9 | 6.990 | 532 | 534 | 537 | rBV | 1194768 | 1493049 | 24.98% | 6.272% |
| 10 | 7.287 | 558 | 560 | 562 | rVB | 618853 | 546440 | 9.14% | 2.295% |
| 11 | 7.470 | 574 | 576 | 579 | rBV | 1253252 | 1153420 | 19.30% | 4.845% |
| 12 | 7.973 | 618 | 620 | 623 | rVB | 956021 | 876911 | 14.67% | 3.684% |
| 13 | 8.865 | 695 | 698 | 700 | rBV | 759872 | 742967 | 12.43% | 3.121% |
| 14 | 10.213 | 813 | 816 | 818 | rVB | 1470019 | 1828396 | 30.59% | 7.681% |
| 15 | 11.036 | 886 | 888 | 891 | rVB | 911937 | 854616 | 14.30% | 3.590% |
| 16 | 12.008 | 971 | 973 | 976 | rBV2 | 835995 | 1106957 | 18.52% | 4.650% |
| 17 | 12.876 | 1046 | 1049 | 1052 | rBV | 970610 | 893022 | 14.94% | 3.751% |
| 18 | 14.877 | 1221 | 1224 | 1226 | rBV | 1905279 | 2231846 | 37.34% | 9.375% |
| 19 | 16.043 | 1323 | 1326 | 1334 | rBV | 240666 | 316403 | 5.29% | 1.329% |
| 20 | 16.168 | 1334 | 1337 | 1340 | rVV | 1042160 | 1053121 | 17.62% | 4.424% |
| 21 | 17.928 | 1487 | 1491 | 1493 | rBV | 695513 | 1060102 | 17.74% | 4.453% |

Sum of corrected areas: 23805497

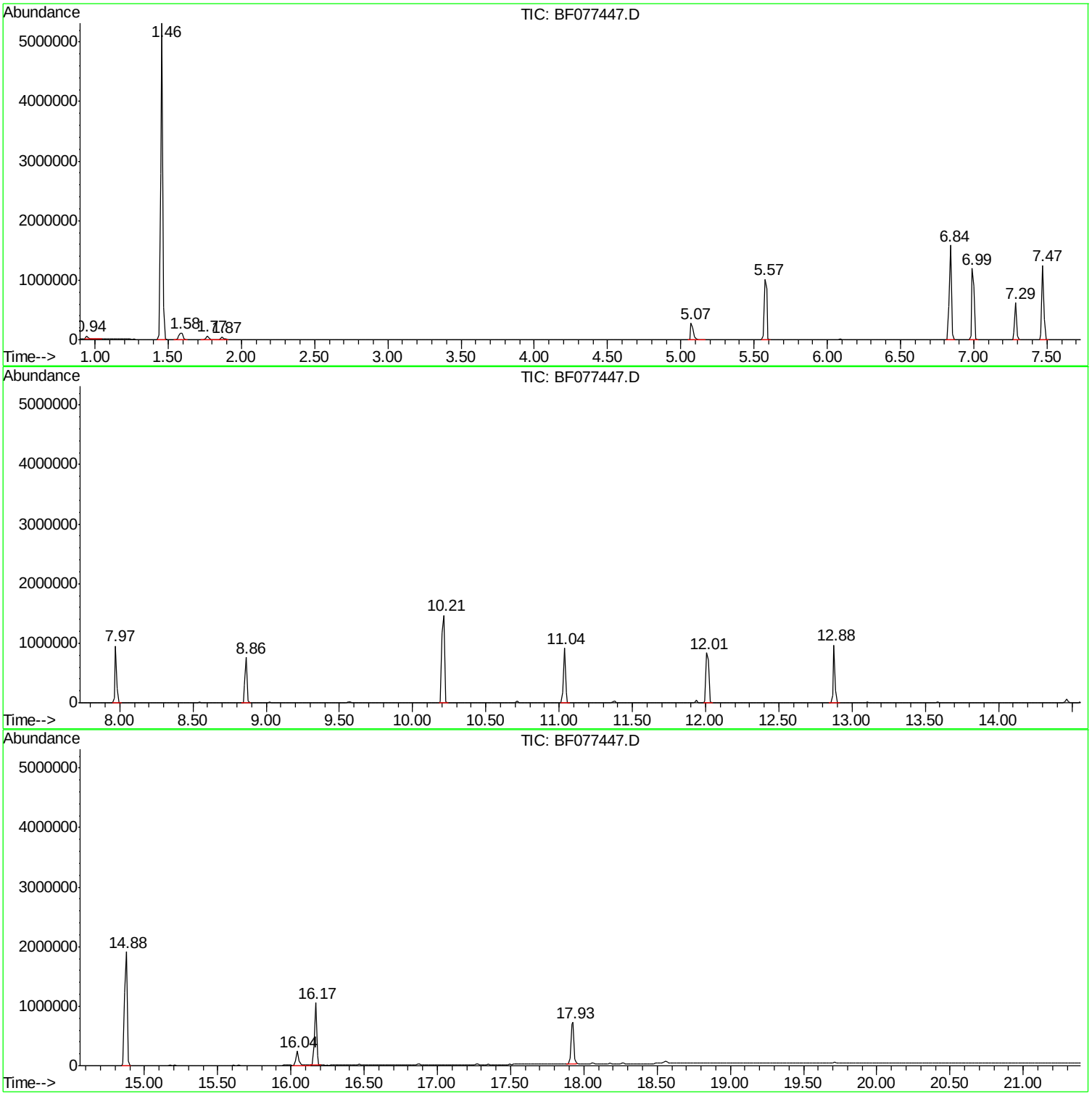
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF022515\
Data File : BF077447.D
Acq On : 25 Feb 2015 21:40
Operator : IZ / TP
Sample : G1358-05
Misc : S/DOD
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TU012-SB-13-7.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.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 : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF022515\
Data File : BF077447.D
Acq On : 25 Feb 2015 21:40
Operator : IZ / TP
Sample : G1358-05
Misc : S/DOD
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TU012-SB-13-7.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

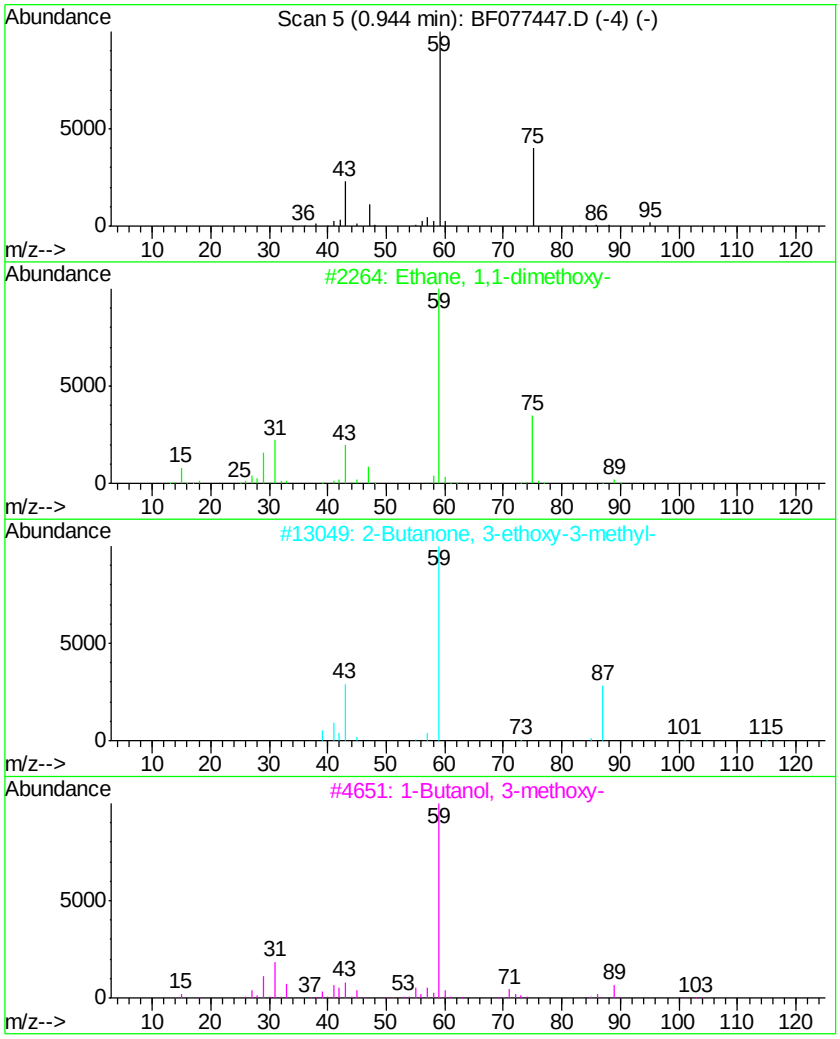
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

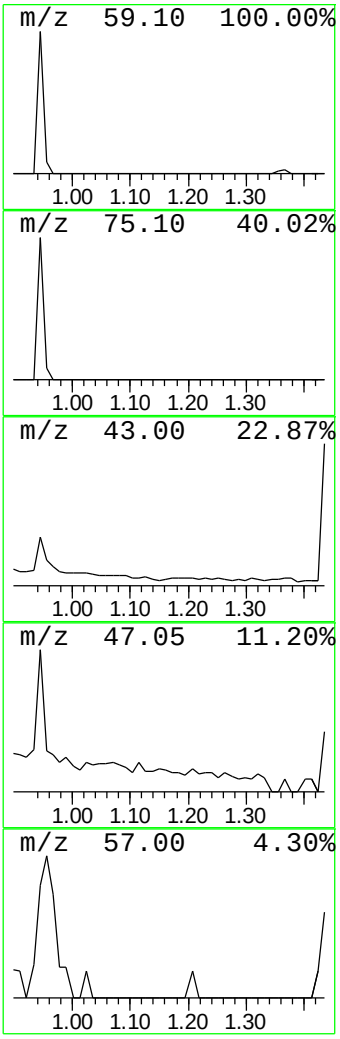
**********

Peak Number 1 Ethane, 1,1-dimethoxy- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 0.94 | 2.26 ng | 61817 | 1,4-Dichlorobenzene-d4 | 7.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethane, 1,1-dimethoxy- | 90 | C4H10O2 | 000534-15-6 | 56 |
| 2 | 2-Butanone, 3-ethoxy-3-methyl- | 130 | C7H14O2 | 036687-99-7 | 9 |
| 3 | 1-Butanol, 3-methoxy- | 104 | C5H12O2 | 002517-43-3 | 9 |
| 4 | 2-Butanol, 1-methoxy- | 104 | C5H12O2 | 053778-73-7 | 9 |
| 5 | Acetamide | 59 | C2H5NO | 000060-35-5 | 5 |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF022515\
Data File : BF077447.D
Acq On : 25 Feb 2015 21:40
Operator : IZ / TP
Sample : G1358-05
Misc : S/DOD
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TU012-SB-13-7.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

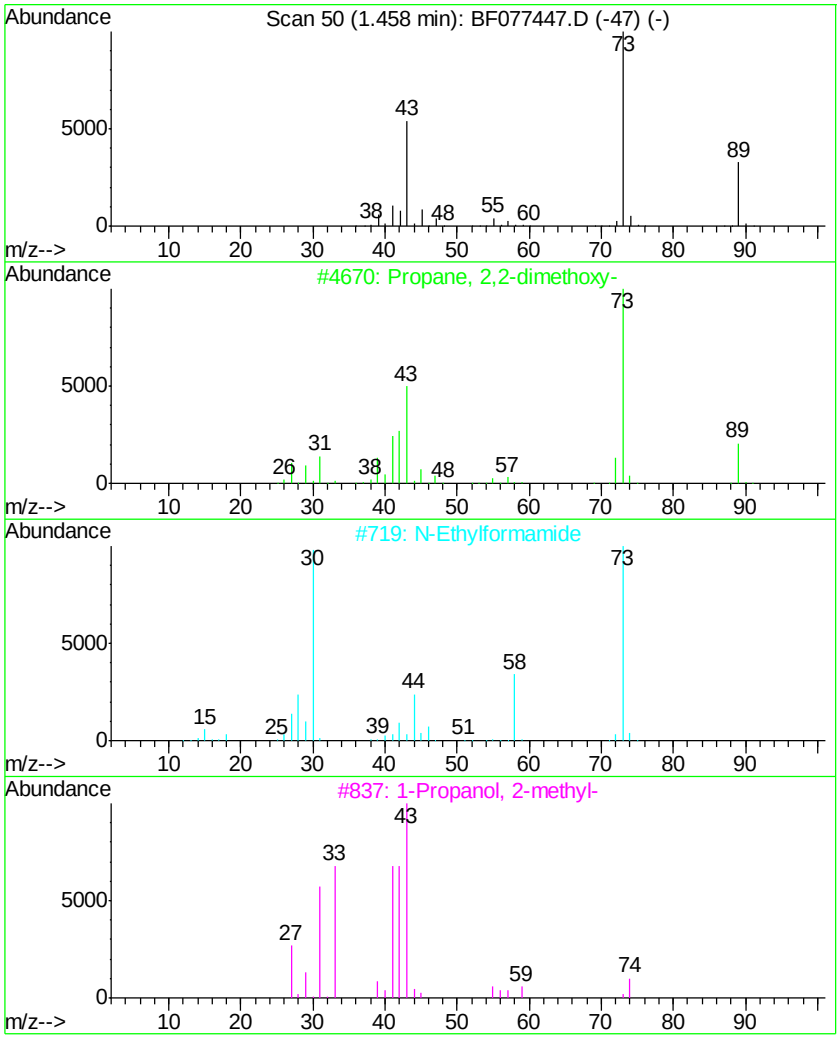
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

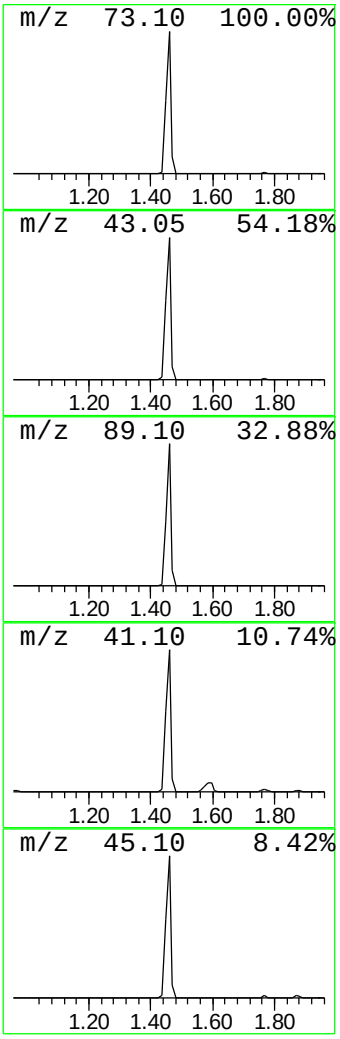
**********

Peak Number 2 unknown1.46 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.46 | 218.77 ng | 5977250 | 1,4-Dichlorobenzene-d4 | 7.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propane, 2,2-dimethoxy- | 104 | C5H12O2 | 000077-76-9 | 45 |
| 2 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |
| 3 | 1-Propanol, 2-methyl- | 74 | C4H10O | 000078-83-1 | 9 |
| 4 | 1,3-Diaminoguanidine | 89 | CH7N5 | 004364-78-7 | 9 |
| 5 | Propane, 2-methoxy-2-methyl- | 88 | C5H12O | 001634-04-4 | 9 |



# Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF022515\
Data File : BF077447.D
Acq On : 25 Feb 2015 21:40
Operator : IZ / TP
Sample : G1358-05
Misc : S/DOD
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TU012-SB-13-7.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

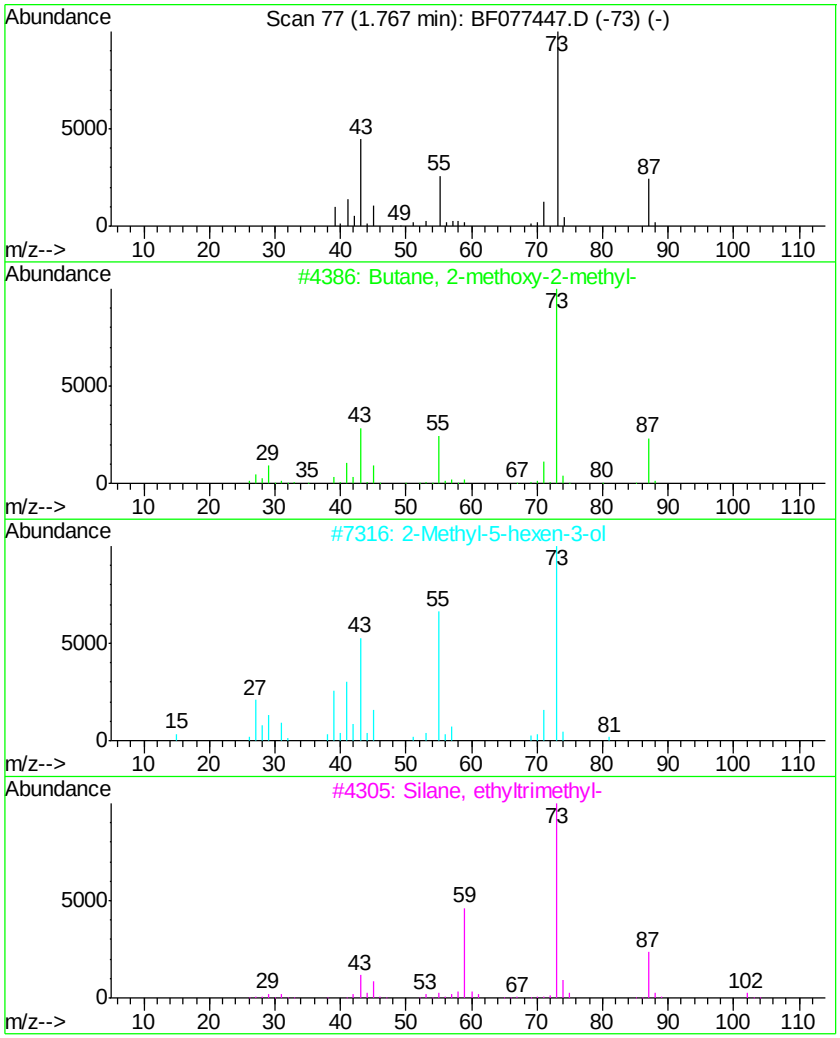
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

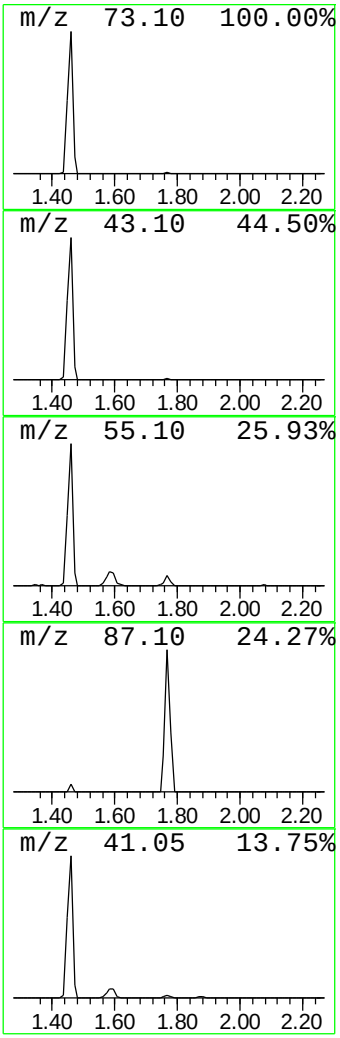
**********

Peak Number 4 Butane, 2-methoxy-2-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.77 | 2.96 ng | 80951 | 1,4-Dichlorobenzene-d4 | 7.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 72 |
| 2 | 2-Methyl-5-hexen-3-ol | 114 | C7H14O | 032815-70-6 | 32 |
| 3 | Silane, ethyltrimethyl- | 102 | C5H14Si | 003439-38-1 | 28 |
| 4 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 28 |
| 5 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 17 |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF022515\
Data File : BF077447.D
Acq On : 25 Feb 2015 21:40
Operator : IZ / TP
Sample : G1358-05
Misc : S/DOD
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TU012-SB-13-7.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

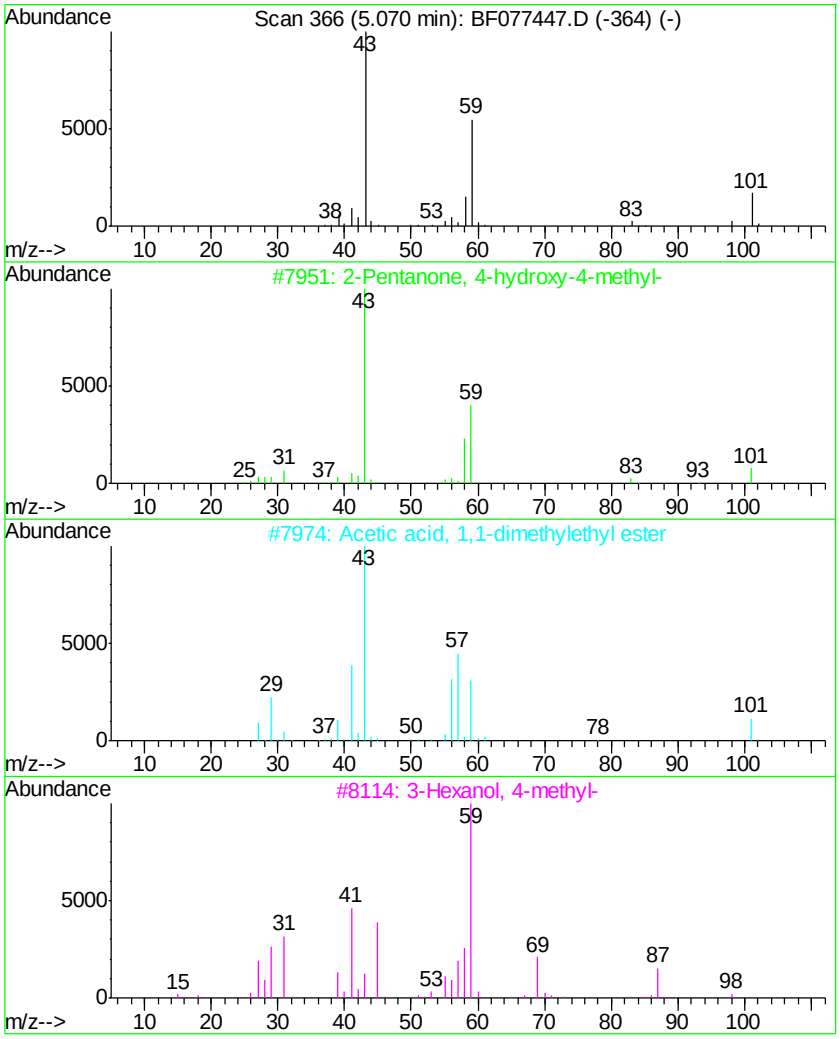
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

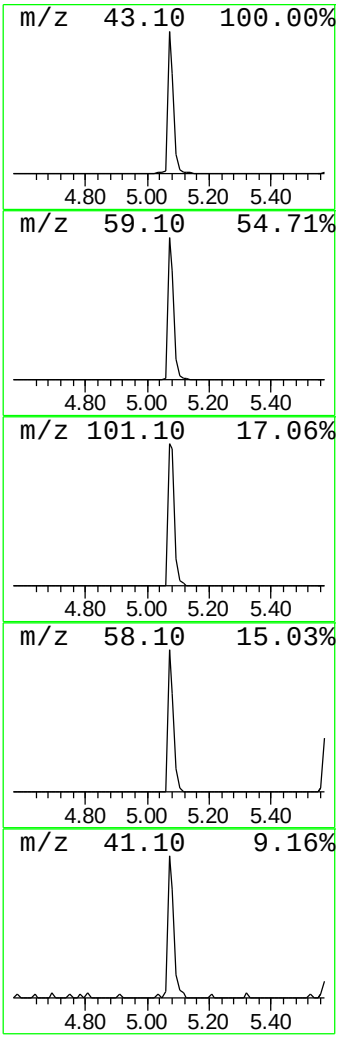
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.07 | 13.58 ng | 371086 | 1,4-Dichlorobenzene-d4 | 7.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 45 |
| 2 | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 38 |
| 3 | 3-Hexanol, 4-methyl- | 116 | C7H16O | 000615-29-2 | 33 |
| 4 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 23 |
| 5 | 1-Propen-2-ol, acetate | 100 | C5H8O2 | 000108-22-5 | 10 |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF022515\
Data File : BF077447.D
Acq On : 25 Feb 2015 21:40
Operator : IZ / TP
Sample : G1358-05
Misc : S/DOD
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TU012-SB-13-7.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

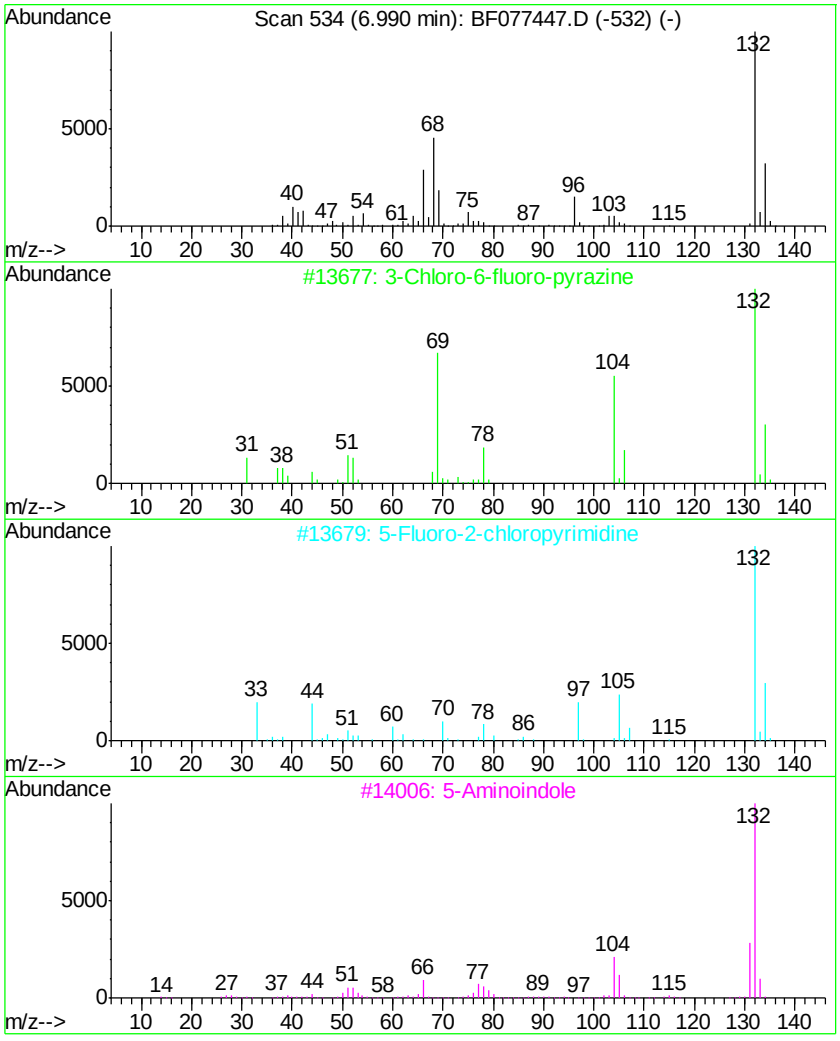
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

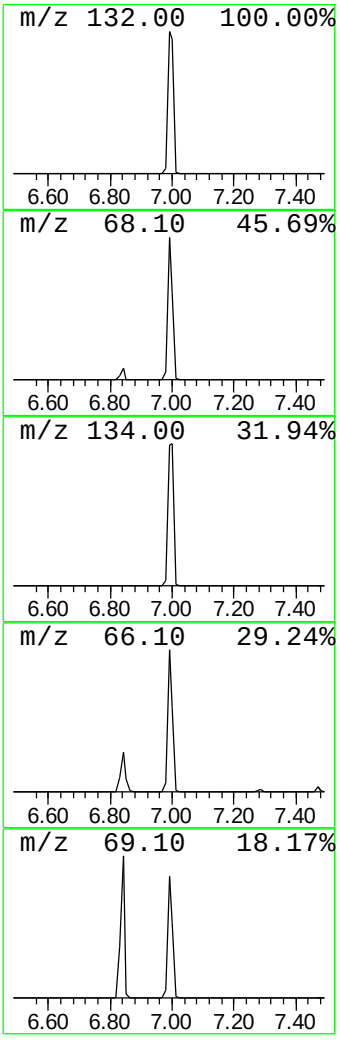
**********

Peak Number 7 unknown6.99 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.99 | 54.65 ng | 1493050 | 1,4-Dichlorobenzene-d4 | 7.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 12 |
| 3 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 10 |
| 4 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 5 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12 | 028749-81-7 | 9 |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF022515\
Data File : BF077447.D
Acq On : 25 Feb 2015 21:40
Operator : IZ / TP
Sample : G1358-05
Misc : S/DOD
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TU012-SB-13-7.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

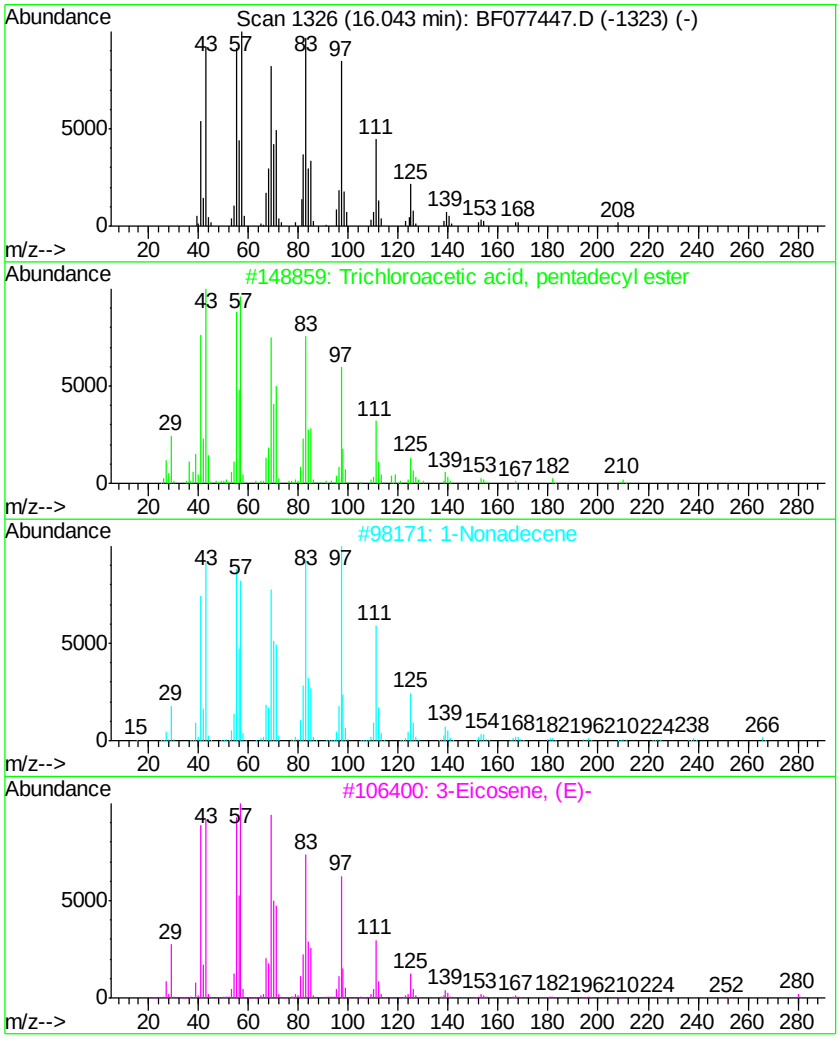
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

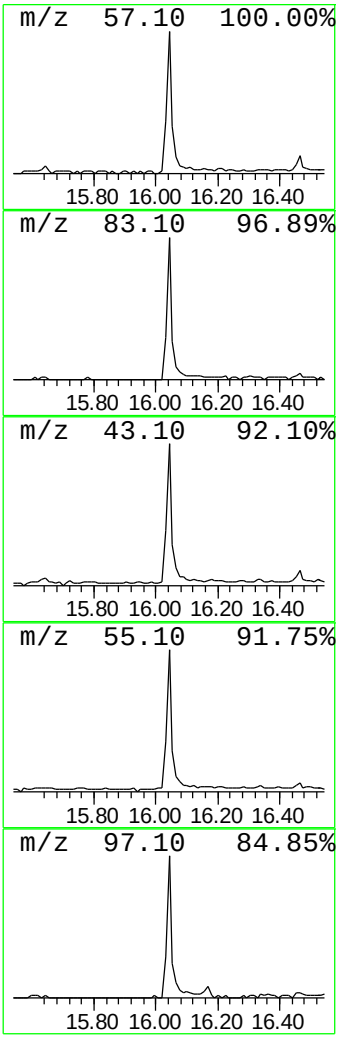
**********

Peak Number 9 Trichloroacetic acid, penta... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.04 | 6.01 ng | 316403 | Chrysene-d12 | 16.17 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Trichloroacetic acid, pentadecyl... | 372 | C17H31Cl3O2 | 074339-53-0 | 91 |
| 2 | 1-Nonadecene | 266 | C19H38 | 018435-45-5 | 91 |
| 3 | 3-Eicosene, (E)- | 280 | C20H40 | 074685-33-9 | 91 |
| 4 | Trichloroacetic acid, tetradecyl... | 358 | C16H29Cl3O2 | 074339-52-9 | 83 |
| 5 | 1-Hexadecanol | 242 | C16H34O | 036653-82-4 | 83 |



Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF022515\
Data File : BF077447.D
Acq On : 25 Feb 2015 21:40
Operator : IZ / TP
Sample : G1358-05
Misc : S/DOD
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TU012-SB-13-7.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.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 |
| Ethane, 1,1-dimet... | 0.94 | 2.3 | ng | 61817 | 1 | 7.29 | 546440 | 20.0 |
| unknown1.46 | 1.46 | 218.8 | ng | 5977250 | 1 | 7.29 | 546440 | 20.0 |
| Butane, 2-methoxy... | 1.77 | 3.0 | ng | 80951 | 1 | 7.29 | 546440 | 20.0 |
| 2-Pentanone, 4-hy... | 5.07 | 13.6 | ng | 371086 | 1 | 7.29 | 546440 | 20.0 |
| unknown6.99 | 6.99 | 54.6 | ng | 1493050 | 1 | 7.29 | 546440 | 20.0 |
| Trichloroacetic a... | 16.04 | 6.0 | ng | 316403 | 5 | 16.17 | 1053120 | 20.0 |