LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041015\
Data File : BF078411.D
Acq On : 10 Apr 2015 20:51
Operator : TP/IZ
Sample : G1791-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** LS-SD09A

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 | 1.012 | 9 | 11 | 14 | rVB | 271235 | 242900 | 31.11% | 3.447% |
| 2 | 1.127 | 18 | 21 | 23 | rVB | 75401 | 91392 | 11.71% | 1.297% |
| 3 | 1.264 | 31 | 33 | 38 | rVB | 56060 | 63512 | 8.14% | 0.901% |
| 4 | 1.527 | 55 | 56 | 63 | rVB | 8208 | 12677 | 1.62% | 0.180% |
| 5 | 1.618 | 63 | 64 | 76 | rBV | 193893 | 315359 | 40.39% | 4.475% |
| 6 | 4.521 | 316 | 318 | 325 | rBV | 44728 | 65801 | 8.43% | 0.934% |
| 7 | 5.116 | 367 | 370 | 376 | rBV | 413228 | 552483 | 70.77% | 7.840% |
| 8 | 6.453 | 485 | 487 | 495 | rVB | 607037 | 579977 | 74.29% | 8.230% |
| 9 | 6.567 | 495 | 497 | 500 | rBV | 621294 | 603043 | 77.24% | 8.557% |
| 10 | 6.853 | 520 | 522 | 525 | rBV | 156199 | 169941 | 21.77% | 2.411% |
| 11 | 7.036 | 536 | 538 | 541 | rBV | 305618 | 408602 | 52.34% | 5.798% |
| 12 | 7.562 | 581 | 584 | 586 | rBV | 318506 | 346287 | 44.36% | 4.914% |
| 13 | 8.430 | 658 | 660 | 663 | rBV | 188734 | 235751 | 30.20% | 3.345% |
| 14 | 9.150 | 722 | 723 | 725 | rBV | 9657 | 9418 | 1.21% | 0.134% |
| 15 | 9.779 | 776 | 778 | 781 | rBV | 695512 | 606854 | 77.73% | 8.611% |
| 16 | 10.293 | 821 | 823 | 825 | rVB | 40705 | 33615 | 4.31% | 0.477% |
| 17 | 10.590 | 847 | 849 | 852 | rVB | 325626 | 300171 | 38.45% | 4.259% |
| 18 | 11.493 | 926 | 928 | 932 | rBV | 20308 | 19046 | 2.44% | 0.270% |
| 19 | 11.562 | 932 | 934 | 937 | rBV | 456225 | 467081 | 59.83% | 6.628% |
| 20 | 12.419 | 1006 | 1009 | 1011 | rBV | 250029 | 318393 | 40.78% | 4.518% |
| 21 | 14.408 | 1180 | 1183 | 1185 | rBV | 788999 | 780700 | 100.00% | 11.078% |
| 22 | 15.597 | 1284 | 1287 | 1291 | rBV | 14658 | 26964 | 3.45% | 0.383% |
| 23 | 15.677 | 1291 | 1294 | 1297 | rVB | 380067 | 393180 | 50.36% | 5.579% |
| 24 | 17.197 | 1424 | 1427 | 1430 | rBV3 | 3922 | 9604 | 1.23% | 0.136% |
| 25 | 17.403 | 1442 | 1445 | 1448 | rBV | 292372 | 385870 | 49.43% | 5.476% |
| 26 | 17.585 | 1457 | 1461 | 1463 | rVB4 | 4917 | 8574 | 1.10% | 0.122% |

Sum of corrected areas: 7047195

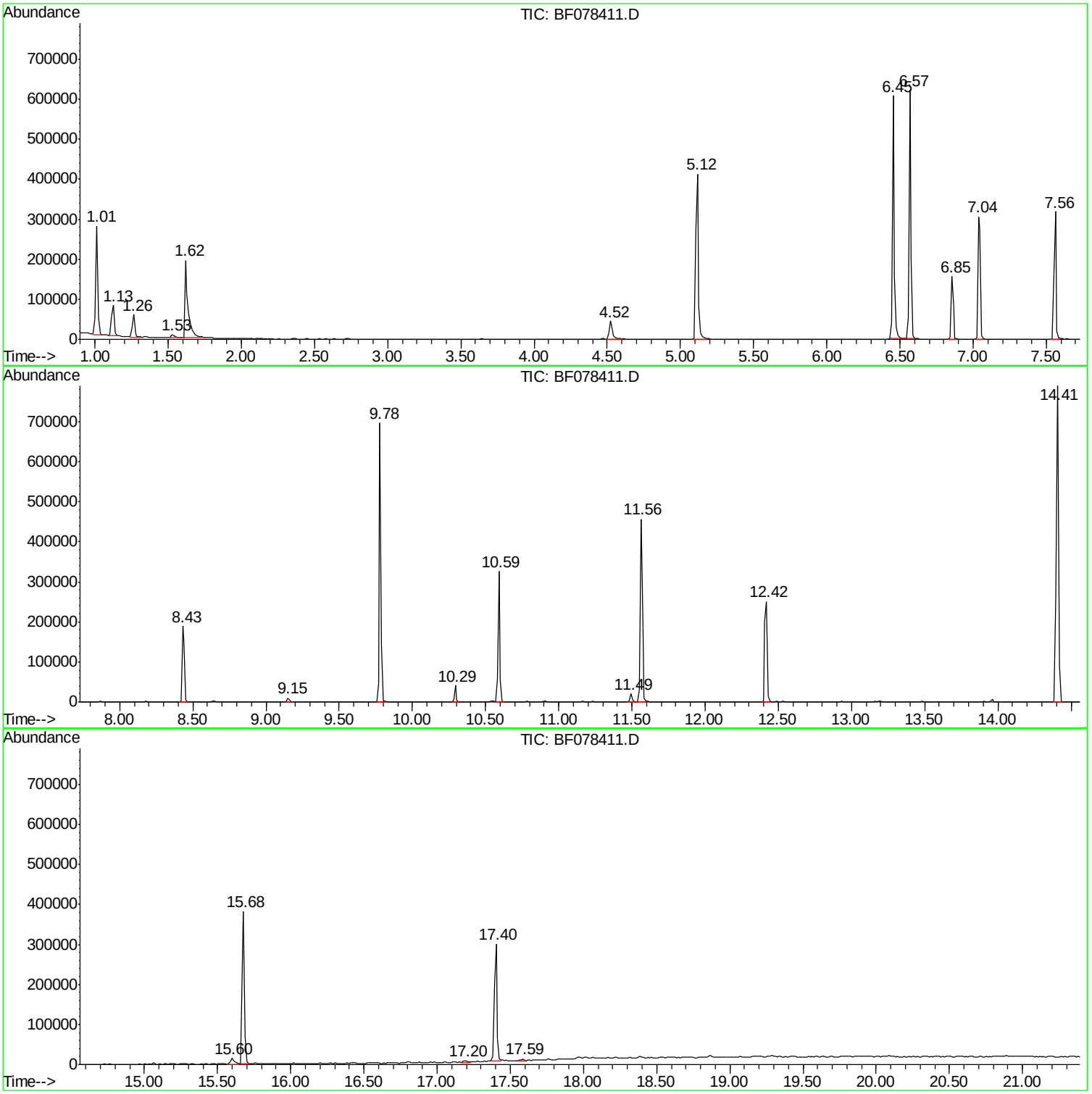
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041015\
Data File : BF078411.D
Acq On : 10 Apr 2015 20:51
Operator : TP/IZ
Sample : G1791-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** LS-SD09A

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041015\
Data File : BF078411.D
Acq On : 10 Apr 2015 20:51
Operator : TP/IZ
Sample : G1791-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** LS-SD09A

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

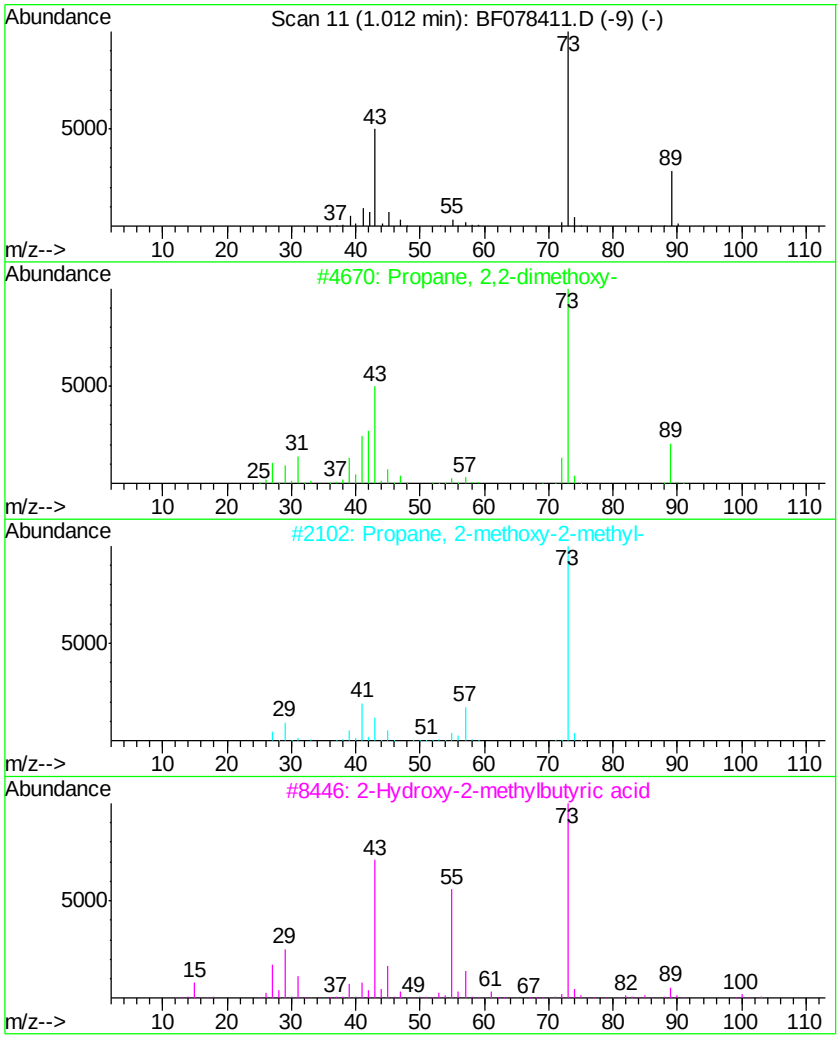
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

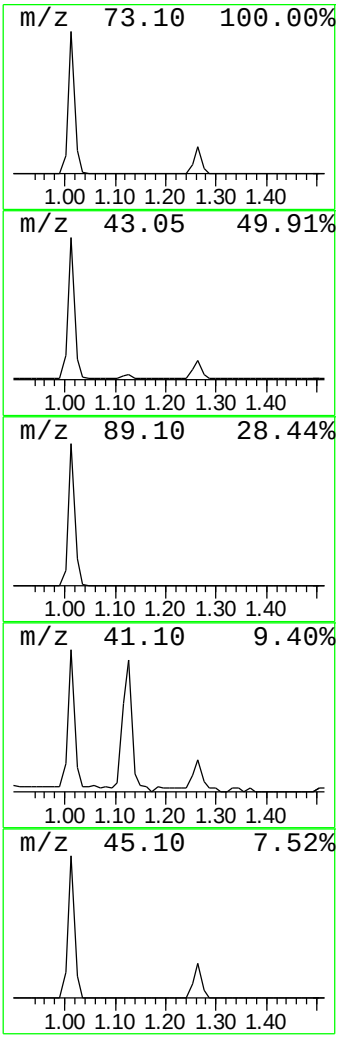
**********

Peak Number 1 Propane, 2,2-dimethoxy- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.01 | 28.59 ng | 242900 | 1,4-Dichlorobenzene-d4 | 6.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propane, 2,2-dimethoxy- | 104 | C5H12O2 | 000077-76-9 | 56 |
| 2 | Propane, 2-methoxy-2-methyl- | 88 | C5H12O | 001634-04-4 | 9 |
| 3 | 2-Hydroxy-2-methylbutyric acid | 118 | C5H10O3 | 003739-30-8 | 9 |
| 4 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 9 |
| 5 | 1,3-Dioxolane, 2-pentadecyl- | 284 | C18H36O2 | 004360-57-0 | 9 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041015\
Data File : BF078411.D
Acq On : 10 Apr 2015 20:51
Operator : TP/IZ
Sample : G1791-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** LS-SD09A

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

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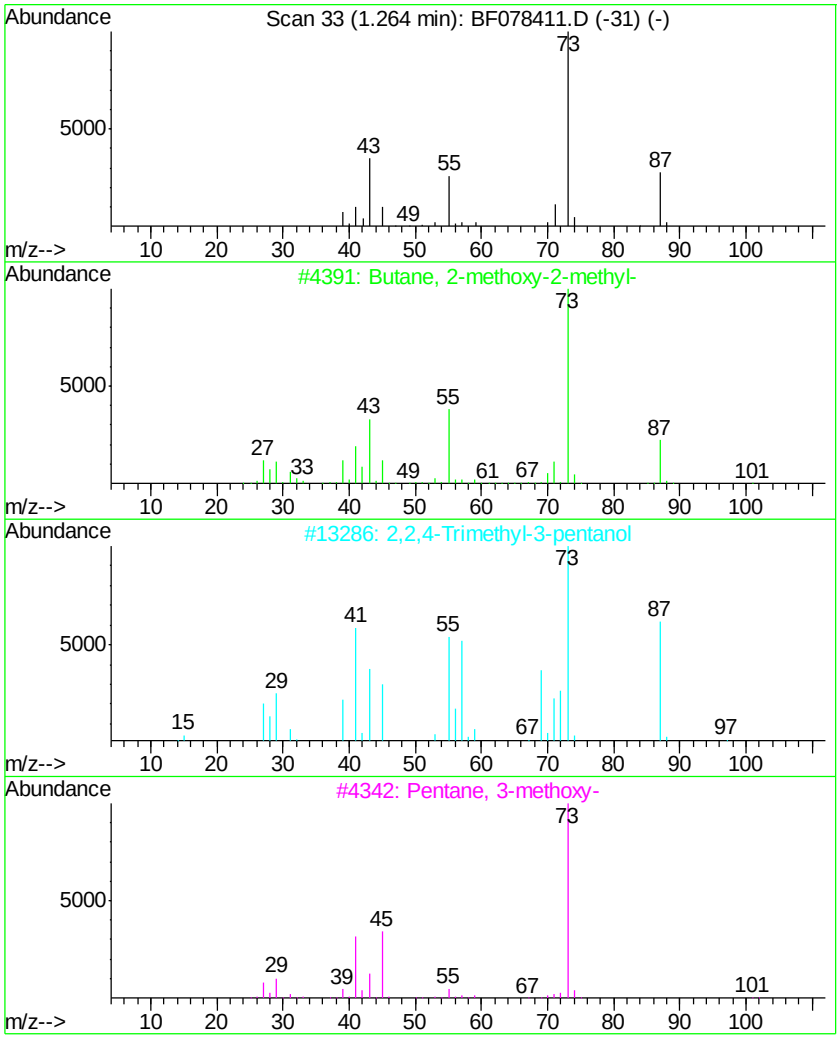
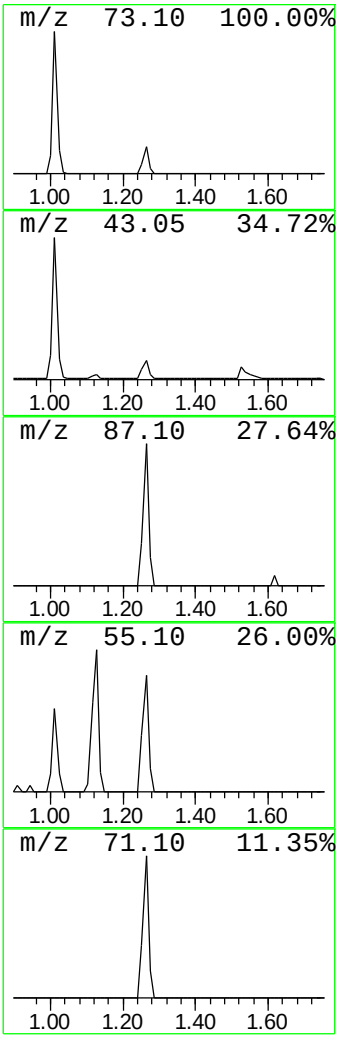
Peak Number 3 Butane, 2-methoxy-2-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.26 | 7.47 ng | 63512 | 1,4-Dichlorobenzene-d4 | 6.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 83 |
| 2 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 40 |
| 3 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 23 |
| 4 | Acetamide, N-ethyl- | 87 | C4H9NO | 000625-50-3 | 12 |
| 5 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041015\
Data File : BF078411.D
Acq On : 10 Apr 2015 20:51
Operator : TP/IZ
Sample : G1791-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** LS-SD09A

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

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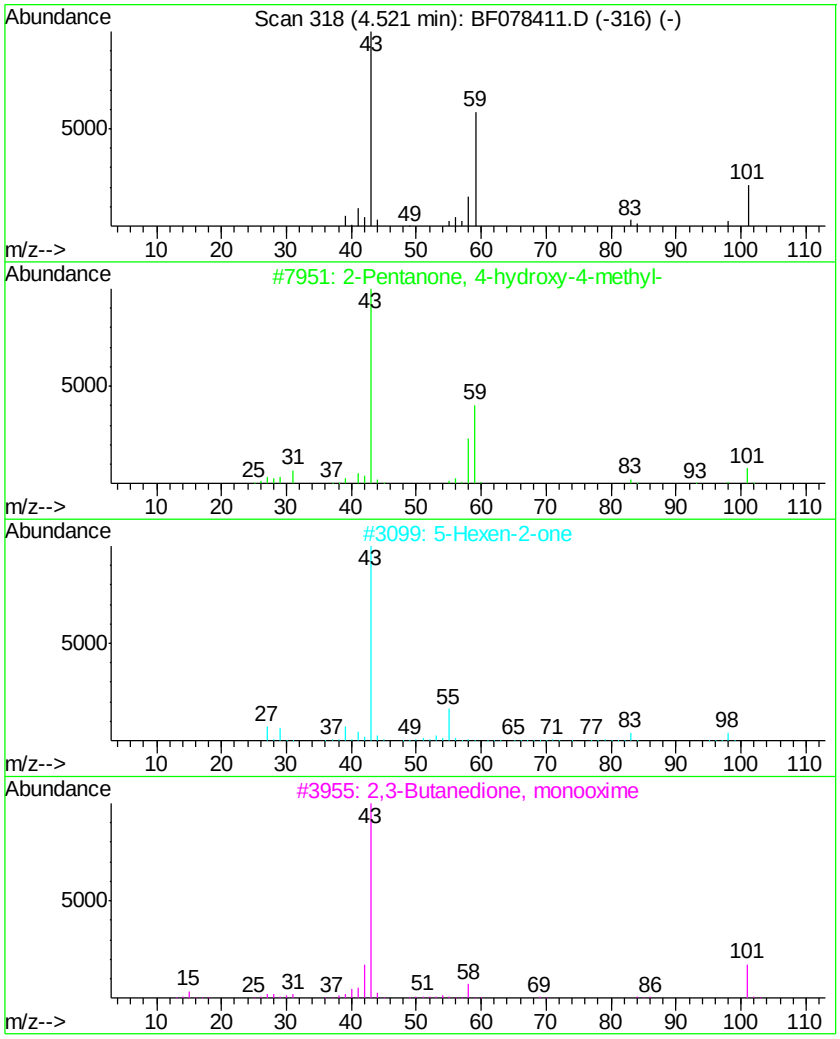
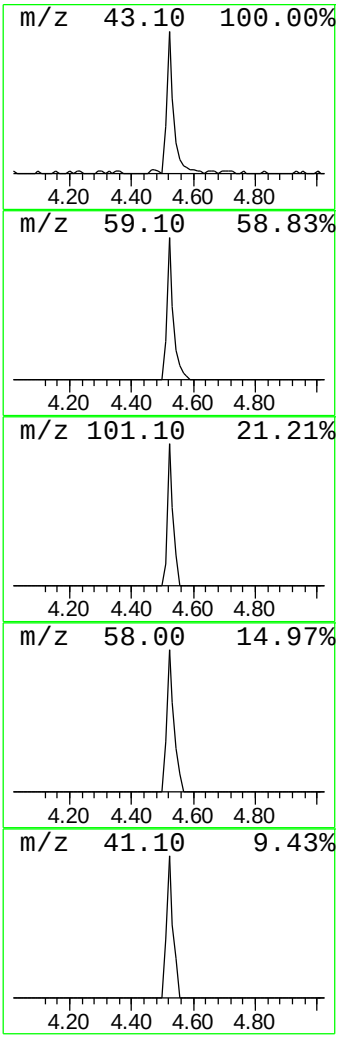
Peak Number 5 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.52 | 7.74 ng | 65801 | 1,4-Dichlorobenzene-d4 | 6.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 42 |
| 2 | 5-Hexen-2-one | 98 | C6H10O | 000109-49-9 | 9 |
| 3 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 9 |
| 4 | 3-Octanol | 130 | C8H18O | 000589-98-0 | 9 |
| 5 | 1-Propen-2-ol, acetate | 100 | C5H8O2 | 000108-22-5 | 9 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041015\
Data File : BF078411.D
Acq On : 10 Apr 2015 20:51
Operator : TP/IZ
Sample : G1791-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** LS-SD09A

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

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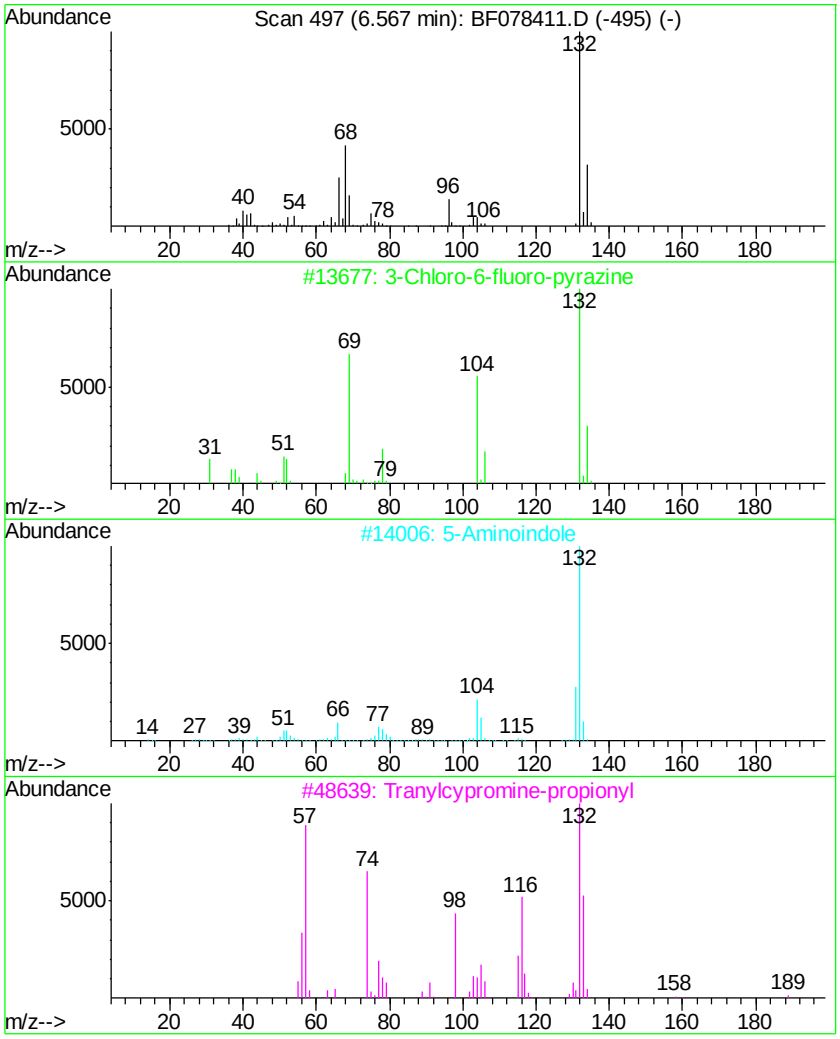
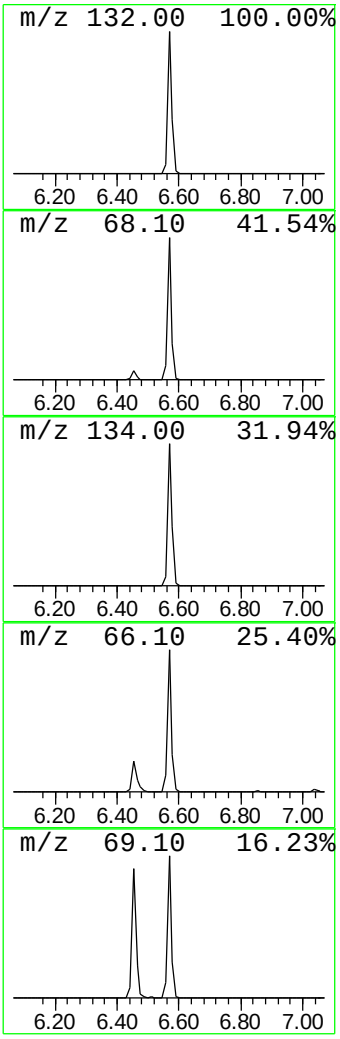
Peak Number 6 unknown6.57 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.57 | 70.97 ng | 603043 | 1,4-Dichlorobenzene-d4 | 6.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |
| 3 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 4 | 4-Methylpyrrolo[1,2-a]pyrazine | 132 | C8H8N2 | 064608-60-2 | 9 |
| 5 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 9 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041015\
Data File : BF078411.D
Acq On : 10 Apr 2015 20:51
Operator : TP/IZ
Sample : G1791-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** LS-SD09A

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... | 1.01 | 28.6 | ng | 242900 | 1 | 6.85 | 169941 | 20.0 |
| Butane, 2-methoxy... | 1.26 | 7.5 | ng | 63512 | 1 | 6.85 | 169941 | 20.0 |
| 2-Pentanone, 4-hy... | 4.52 | 7.7 | ng | 65801 | 1 | 6.85 | 169941 | 20.0 |
| unknown6.57 | 6.57 | 71.0 | ng | 603043 | 1 | 6.85 | 169941 | 20.0 |