LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040615\
Data File : BF078289.D
Acq On : 7 Apr 2015 7:59
Operator : TP/IZ
Sample : G1779-04
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-6(8-10)

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 | 1.138 | 20 | 22 | 25 | rBV | 3720491 | 3848902 | 100.00% | 29.552% |
| 2 | 1.253 | 28 | 32 | 35 | rVB | 94869 | 156852 | 4.08% | 1.204% |
| 3 | 1.401 | 43 | 45 | 48 | rVB | 73209 | 79603 | 2.07% | 0.611% |
| 4 | 1.687 | 68 | 70 | 83 | rBV | 35900 | 61376 | 1.59% | 0.471% |
| 5 | 4.693 | 331 | 333 | 339 | rBV | 52455 | 92212 | 2.40% | 0.708% |
| 6 | 5.253 | 380 | 382 | 394 | rBV | 517358 | 708531 | 18.41% | 5.440% |
| 7 | 6.579 | 495 | 498 | 500 | rBV | 601736 | 714130 | 18.55% | 5.483% |
| 8 | 6.693 | 506 | 508 | 511 | rBV | 840997 | 786547 | 20.44% | 6.039% |
| 9 | 6.979 | 531 | 533 | 535 | rBV | 256823 | 244873 | 6.36% | 1.880% |
| 10 | 7.162 | 546 | 549 | 552 | rBV | 654242 | 597712 | 15.53% | 4.589% |
| 11 | 7.676 | 592 | 594 | 596 | rBV | 524033 | 463149 | 12.03% | 3.556% |
| 12 | 8.556 | 669 | 671 | 673 | rBV | 352183 | 337559 | 8.77% | 2.592% |
| 13 | 9.905 | 786 | 789 | 791 | rBV | 886039 | 877332 | 22.79% | 6.736% |
| 14 | 10.716 | 857 | 860 | 862 | rBV | 438506 | 405539 | 10.54% | 3.114% |
| 15 | 11.688 | 943 | 945 | 948 | rBV2 | 416620 | 523998 | 13.61% | 4.023% |
| 16 | 12.545 | 1018 | 1020 | 1022 | rBV | 438821 | 447308 | 11.62% | 3.434% |
| 17 | 12.579 | 1022 | 1023 | 1025 | rVB | 56665 | 40408 | 1.05% | 0.310% |
| 18 | 14.042 | 1148 | 1151 | 1154 | rBV | 117953 | 110484 | 2.87% | 0.848% |
| 19 | 14.317 | 1173 | 1175 | 1178 | rBV | 99441 | 101406 | 2.63% | 0.779% |
| 20 | 14.534 | 1192 | 1194 | 1197 | rVB | 842452 | 982966 | 25.54% | 7.547% |
| 21 | 15.723 | 1295 | 1298 | 1303 | rBV | 62292 | 129169 | 3.36% | 0.992% |
| 22 | 15.814 | 1303 | 1306 | 1308 | rVV | 458206 | 557378 | 14.48% | 4.280% |
| 23 | 17.071 | 1414 | 1416 | 1421 | rBV | 45241 | 104557 | 2.72% | 0.803% |
| 24 | 17.437 | 1446 | 1448 | 1451 | rBV | 31437 | 40799 | 1.06% | 0.313% |
| 25 | 17.506 | 1451 | 1454 | 1458 | rVB | 409395 | 507286 | 13.18% | 3.895% |
| 26 | 18.134 | 1507 | 1509 | 1517 | rVB6 | 23586 | 60451 | 1.57% | 0.464% |
| 27 | 18.511 | 1541 | 1542 | 1547 | rVB3 | 25676 | 43526 | 1.13% | 0.334% |

Sum of corrected areas: 13024053

LSC Report - Integrated Chromatogram

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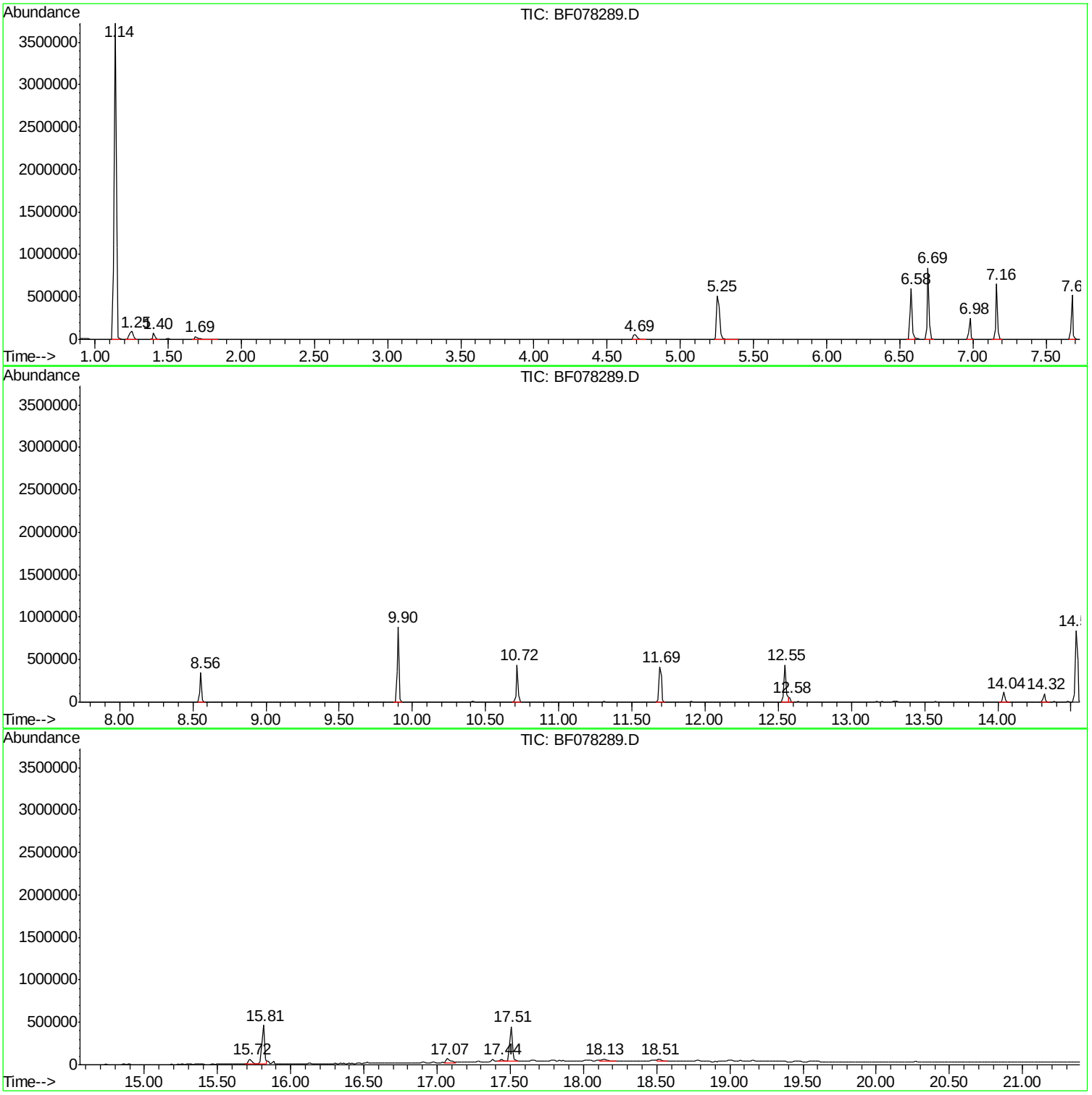
Operator : TP/IZ
Sample : G1779-04
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-6(8-10)

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\BF040615\
Data File : BF078289.D
Acq On : 7 Apr 2015 7:59
Operator : TP/IZ
Sample : G1779-04
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-6(8-10)

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

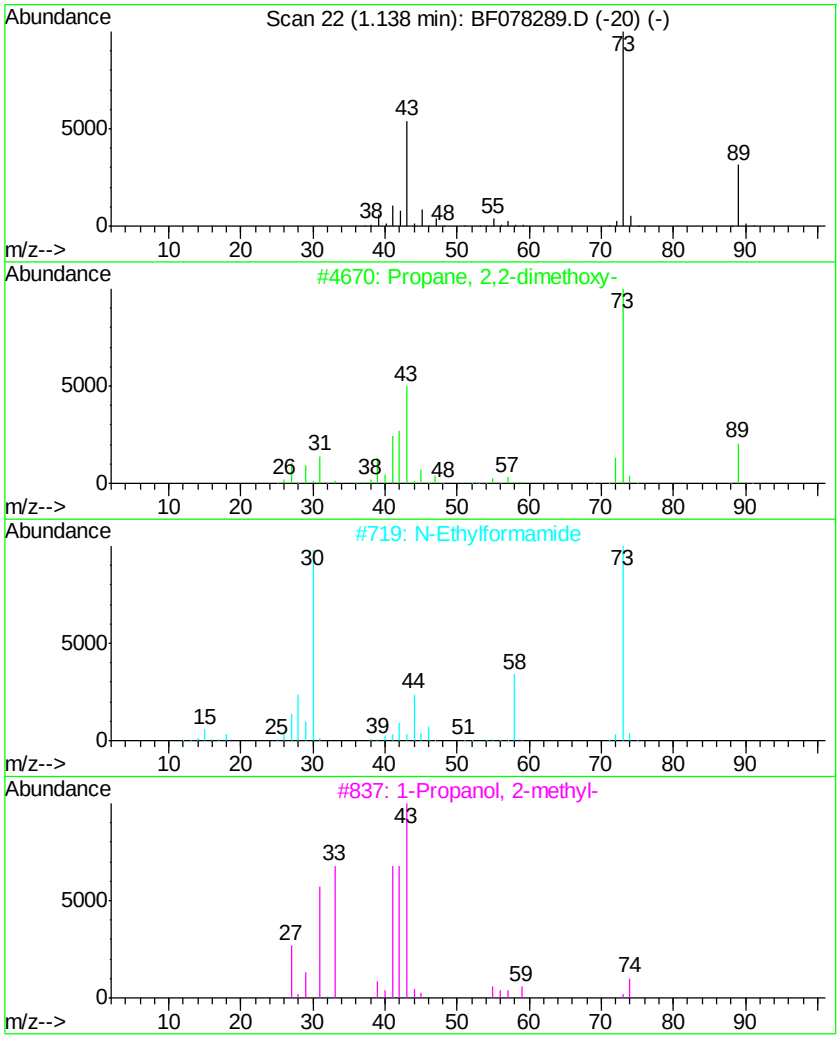
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

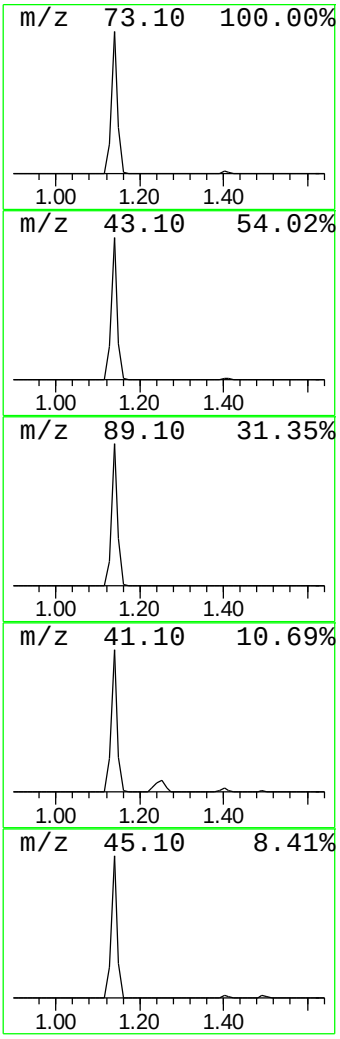
**********

Peak Number 1 unknown1.14 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.14 | 314.36 ng | 3848900 | 1,4-Dichlorobenzene-d4 | 6.98 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propane, 2,2-dimethoxy- | 104 | C5H12O2 | 000077-76-9 | 38 |
| 2 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |
| 3 | 1-Propanol, 2-methyl- | 74 | C4H10O | 000078-83-1 | 9 |
| 4 | Propane, 2-methoxy-2-methyl- | 88 | C5H12O | 001634-04-4 | 9 |
| 5 | 2-Hydroxy-2-methylbutyric acid | 118 | C5H10O3 | 003739-30-8 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040615\
Data File : BF078289.D
Acq On : 7 Apr 2015 7:59
Operator : TP/IZ
Sample : G1779-04
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-6(8-10)

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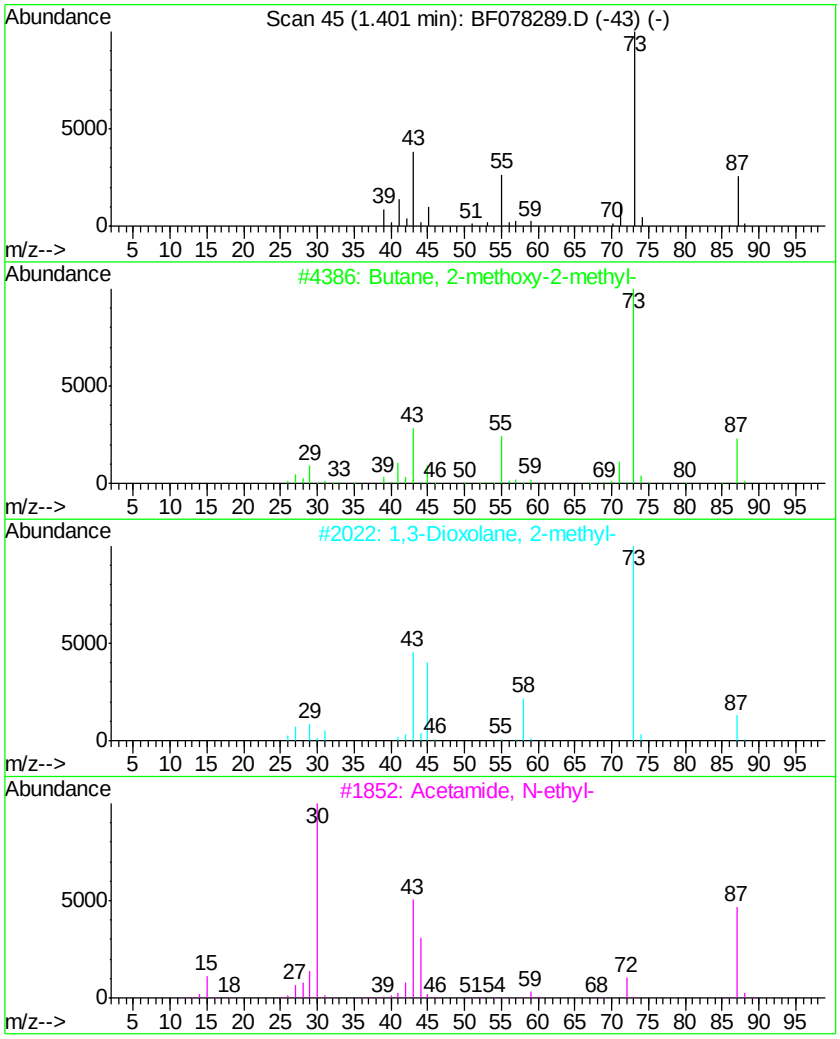
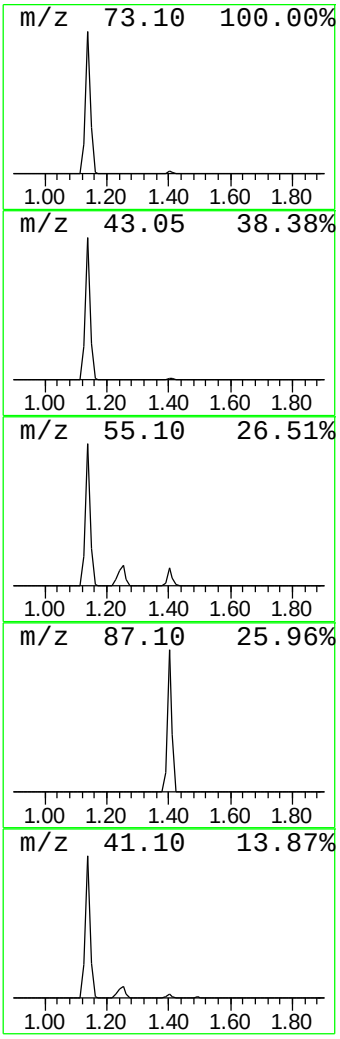
Peak Number 3 Butane, 2-methoxy-2-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.40 | 6.50 ng | 79603 | 1,4-Dichlorobenzene-d4 | 6.98 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 83 |
| 2 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 38 |
| 3 | Acetamide, N-ethyl- | 87 | C4H9NO | 000625-50-3 | 25 |
| 4 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 17 |
| 5 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040615\
Data File : BF078289.D
Acq On : 7 Apr 2015 7:59
Operator : TP/IZ
Sample : G1779-04
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-6(8-10)

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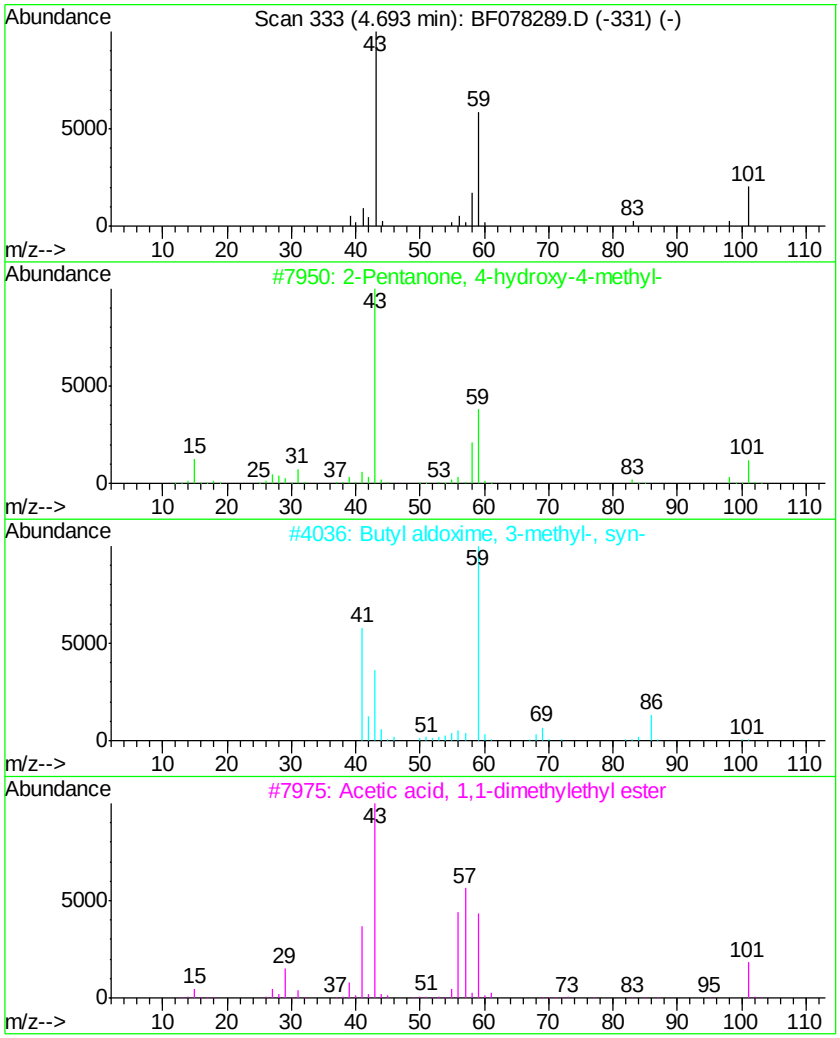
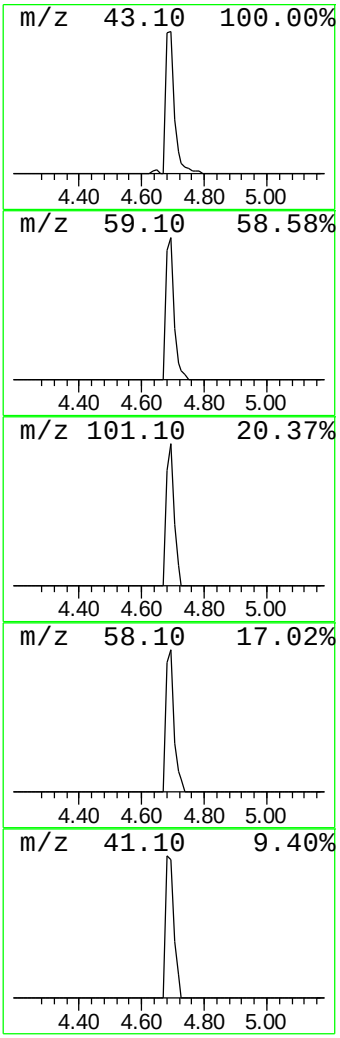
Peak Number 5 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.69 | 7.53 ng | 92212 | 1,4-Dichlorobenzene-d4 | 6.98 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 53 |
| 2 | Butyl aldoxime, 3-methyl-, syn- | 101 | C5H11NO | 005780-40-5 | 9 |
| 3 | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 9 |
| 4 | 2-Propanone, 1-(1-methylethoxy)- | 116 | C6H12O2 | 042781-12-4 | 9 |
| 5 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040615\
Data File : BF078289.D
Acq On : 7 Apr 2015 7:59
Operator : TP/IZ
Sample : G1779-04
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-6(8-10)

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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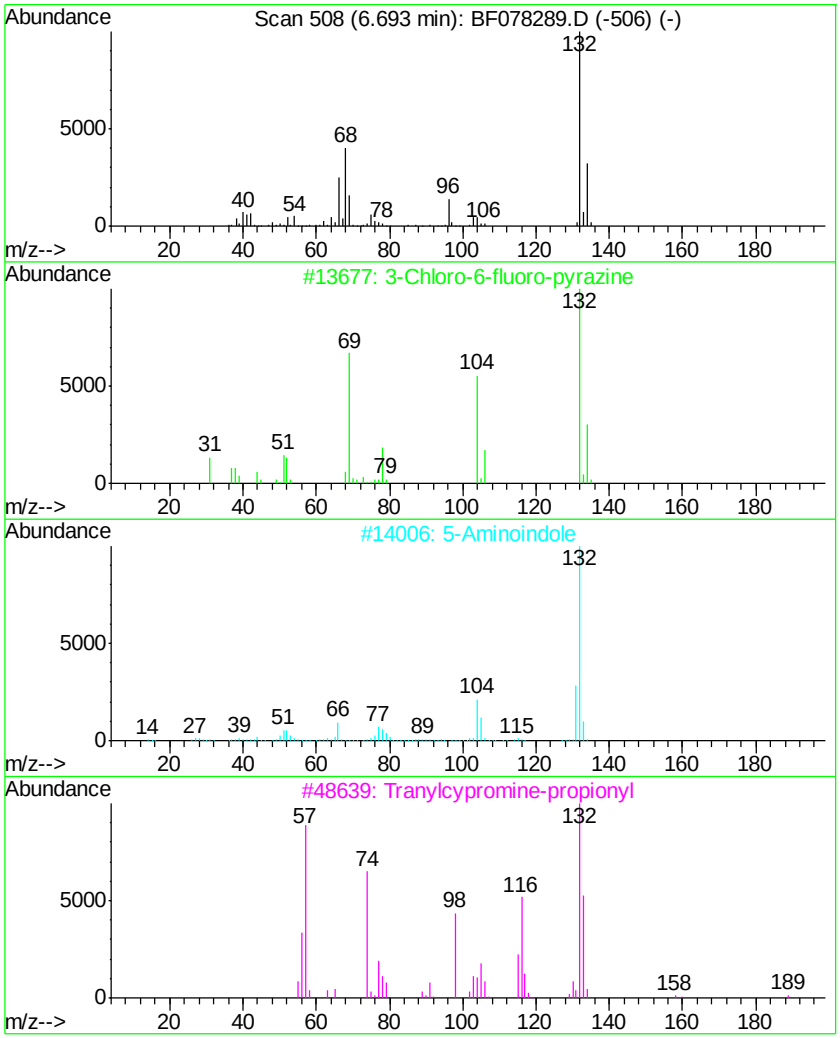
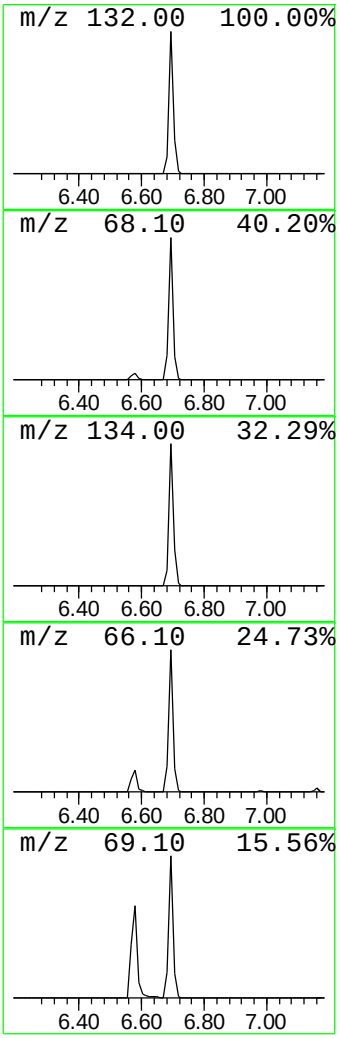
Peak Number 6 unknown6.69 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.69 | 64.24 ng | 786547 | 1,4-Dichlorobenzene-d4 | 6.98 |

| 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-Chloro-2-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-00-5 | 9 |
| 5 | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2 | 022291-85-6 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040615\
Data File : BF078289.D
Acq On : 7 Apr 2015 7:59
Operator : TP/IZ
Sample : G1779-04
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-6(8-10)

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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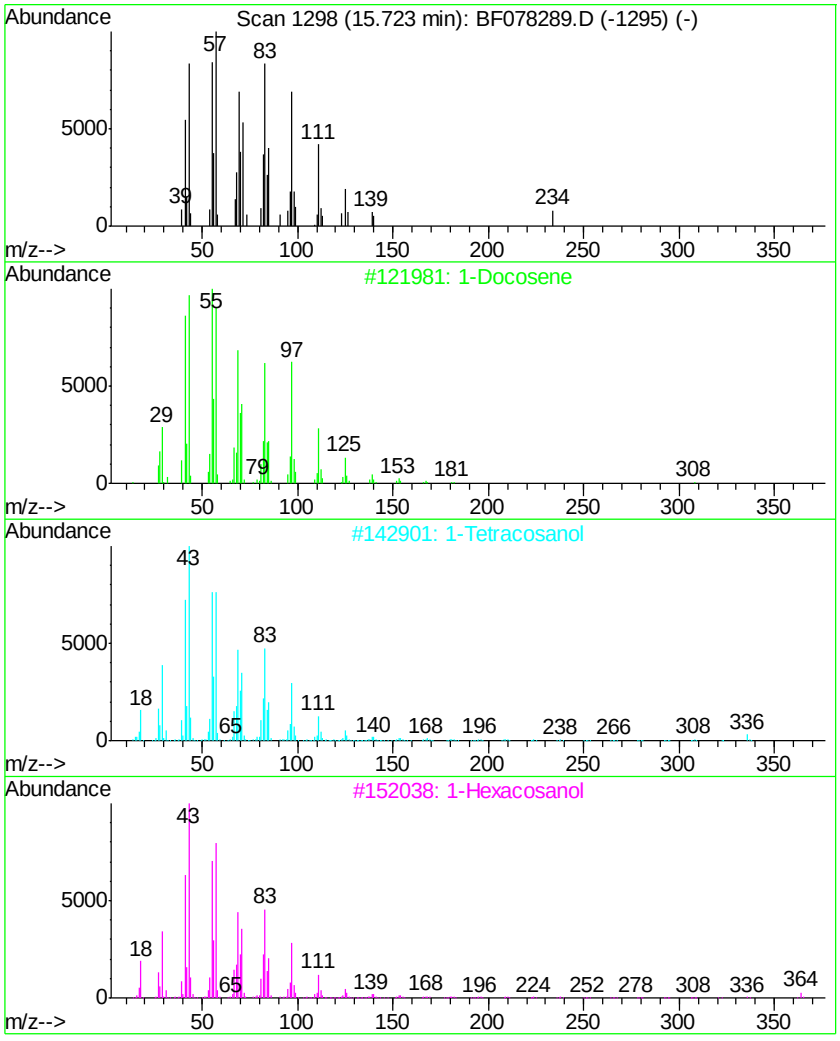
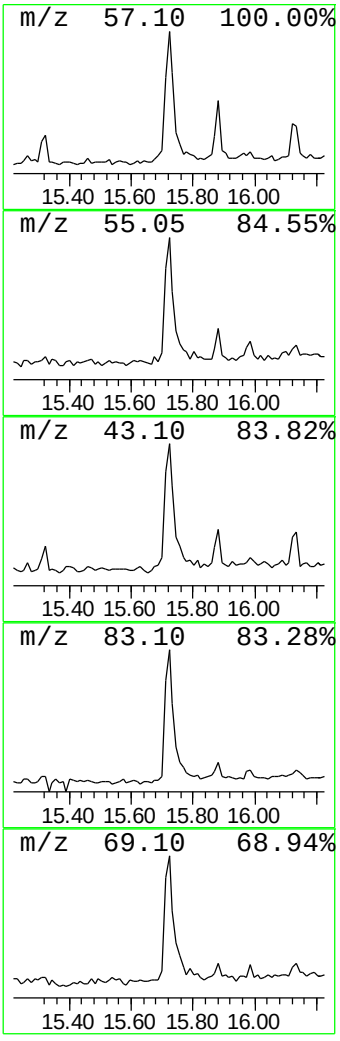
Peak Number 8 1-Docosene Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.72 | 4.63 ng | 129169 | Chrysene-d12 | 15.81 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Docosene | 308 | C22H44 | 001599-67-3 | 90 |
| 2 | 1-Tetracosanol | 354 | C24H50O | 000506-51-4 | 87 |
| 3 | 1-Hexacosanol | 382 | C26H54O | 000506-52-5 | 87 |
| 4 | Pentafluoropropionic acid, hexad... | 388 | C19H33F5O2 | 006222-07-7 | 87 |
| 5 | Pentafluoropropionic acid, octad... | 416 | C21H37F5O2 | 1000280-07-7 | 83 |



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Data File : BF078289.D
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Operator : TP/IZ
Sample : G1779-04
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-6(8-10)

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
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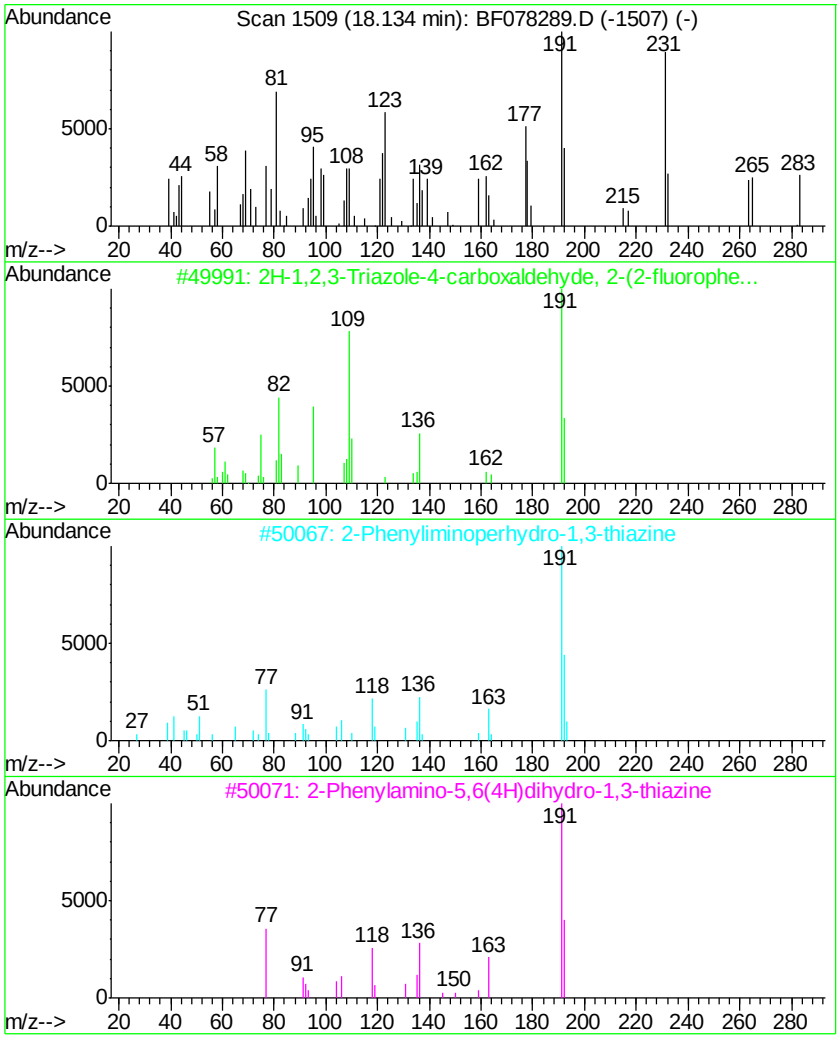
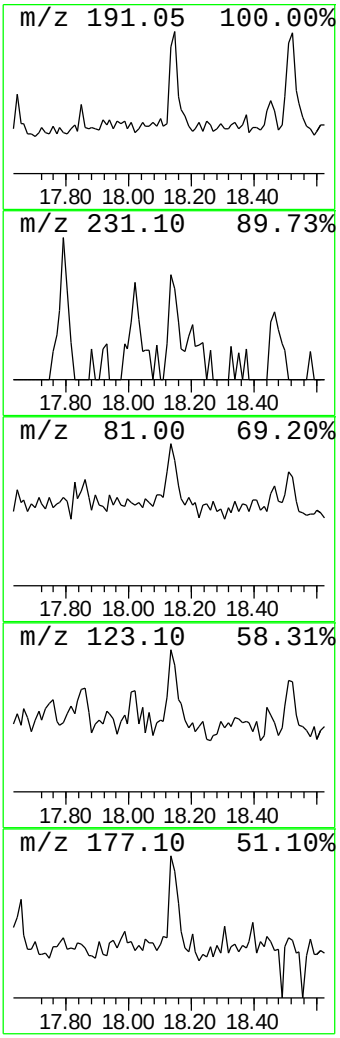
Peak Number 9 unknown18.13 Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.13 | 2.38 ng | 60451 | Perylene-d12 | 17.51 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2H-1,2,3-Triazole-4-carboxaldehy... | 191 | C9H6FN3O | 051306-43-5 | 30 |
| 2 | 2-Phenyliminoperhydro-1,3-thiazine | 192 | C10H12N2S | 1000138-91-3 | 18 |
| 3 | 2-Phenylamino-5,6(4H)dihydro-1,3... | 192 | C10H12N2S | 1000147-35-4 | 18 |
| 4 | 5-(1-Isopropenyl-4,5-dimethylbic... | 332 | C22H36O2 | 1000195-69-8 | 17 |
| 5 | 1-Cyclohexene, 1,3,3-trimethyl-2... | 206 | C14H22O | 1000197-08-4 | 14 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040615\
Data File : BF078289.D
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Operator : TP/IZ
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Misc :
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**Instrument :** BNA_F
**ClientSampleId :** SB-6(8-10)

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 |
| unknown1.14 | 1.14 | 314.4 | ng | 3848900 | 1 | 6.98 | 244873 | 20.0 |
| Butane, 2-methoxy... | 1.40 | 6.5 | ng | 79603 | 1 | 6.98 | 244873 | 20.0 |
| 2-Pentanone, 4-hy... | 4.69 | 7.5 | ng | 92212 | 1 | 6.98 | 244873 | 20.0 |
| unknown6.69 | 6.69 | 64.2 | ng | 786547 | 1 | 6.98 | 244873 | 20.0 |
| 1-Docosene | 15.72 | 4.6 | ng | 129169 | 5 | 15.81 | 557378 | 20.0 |
| unknown18.13 | 18.13 | 2.4 | ng | 60451 | 6 | 17.51 | 507286 | 20.0 |