LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040215\
Data File : BF078227.D
Acq On : 3 Apr 2015 6:00
Operator : TP/IZ
Sample : G1731-03
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** COMP-3

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 | 1.184 | 23 | 26 | 28 | rBV | 186070 | 241960 | 20.87% | 2.327% |
| 2 | 1.298 | 32 | 36 | 39 | rBV | 116184 | 172996 | 14.92% | 1.664% |
| 3 | 1.447 | 47 | 49 | 52 | rVB | 75099 | 90656 | 7.82% | 0.872% |
| 4 | 1.710 | 69 | 72 | 81 | rVB | 31252 | 51228 | 4.42% | 0.493% |
| 5 | 4.739 | 335 | 337 | 346 | rBB | 66367 | 93194 | 8.04% | 0.896% |
| 6 | 5.299 | 384 | 386 | 389 | rBV | 723569 | 771341 | 66.52% | 7.419% |
| 7 | 6.602 | 498 | 500 | 503 | rBV | 562838 | 785075 | 67.70% | 7.551% |
| 8 | 6.727 | 509 | 511 | 514 | rBV | 741161 | 839366 | 72.39% | 8.073% |
| 9 | 7.013 | 534 | 536 | 539 | rBV | 296832 | 303036 | 26.13% | 2.915% |
| 10 | 7.196 | 550 | 552 | 555 | rBV | 507933 | 668837 | 57.68% | 6.433% |
| 11 | 7.710 | 595 | 597 | 600 | rBV | 460150 | 498110 | 42.96% | 4.791% |
| 12 | 8.591 | 672 | 674 | 677 | rBV | 444968 | 424025 | 36.57% | 4.078% |
| 13 | 9.939 | 790 | 792 | 795 | rBV | 1080350 | 1013282 | 87.38% | 9.746% |
| 14 | 10.454 | 835 | 837 | 839 | rBV | 85414 | 73695 | 6.36% | 0.709% |
| 15 | 10.762 | 861 | 864 | 866 | rVB | 478376 | 490841 | 42.33% | 4.721% |
| 16 | 11.734 | 947 | 949 | 952 | rBV | 498543 | 548608 | 47.31% | 5.277% |
| 17 | 11.939 | 966 | 967 | 971 | rBB | 7752 | 12502 | 1.08% | 0.120% |
| 18 | 12.591 | 1022 | 1024 | 1026 | rBV | 532484 | 519617 | 44.81% | 4.998% |
| 19 | 14.088 | 1153 | 1155 | 1158 | rBB | 38740 | 39771 | 3.43% | 0.383% |
| 20 | 14.363 | 1177 | 1179 | 1182 | rVB | 33017 | 41165 | 3.55% | 0.396% |
| 21 | 14.591 | 1196 | 1199 | 1201 | rBV | 1017239 | 1159566 | 100.00% | 11.153% |
| 22 | 15.768 | 1299 | 1302 | 1308 | rBV | 74948 | 110457 | 9.53% | 1.062% |
| 23 | 15.871 | 1308 | 1311 | 1313 | rBV | 538057 | 619454 | 53.42% | 5.958% |
| 24 | 16.591 | 1372 | 1374 | 1380 | rBV2 | 7953 | 15243 | 1.31% | 0.147% |
| 25 | 16.946 | 1402 | 1405 | 1407 | rBV | 57869 | 72691 | 6.27% | 0.699% |
| 26 | 17.163 | 1422 | 1424 | 1429 | rBV | 19637 | 42775 | 3.69% | 0.411% |
| 27 | 17.380 | 1441 | 1443 | 1447 | rBV3 | 10888 | 19299 | 1.66% | 0.186% |
| 28 | 17.483 | 1450 | 1452 | 1456 | rBV | 10749 | 13596 | 1.17% | 0.131% |
| 29 | 17.551 | 1456 | 1458 | 1461 | rBV | 13676 | 19648 | 1.69% | 0.189% |
| 30 | 17.609 | 1461 | 1463 | 1466 | rBV | 439576 | 583021 | 50.28% | 5.608% |
| 31 | 18.226 | 1515 | 1517 | 1520 | rBV3 | 6848 | 12508 | 1.08% | 0.120% |
| 32 | 18.660 | 1553 | 1555 | 1559 | rVB3 | 8040 | 16390 | 1.41% | 0.158% |
| 33 | 18.934 | 1577 | 1579 | 1582 | rBV2 | 8741 | 16059 | 1.38% | 0.154% |
| 34 | 19.312 | 1610 | 1612 | 1616 | rVB | 8109 | 16655 | 1.44% | 0.160% |

LSC Area Percent Report

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Operator : TP/IZ
Sample : G1731-03
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** COMP-3

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: 10396667

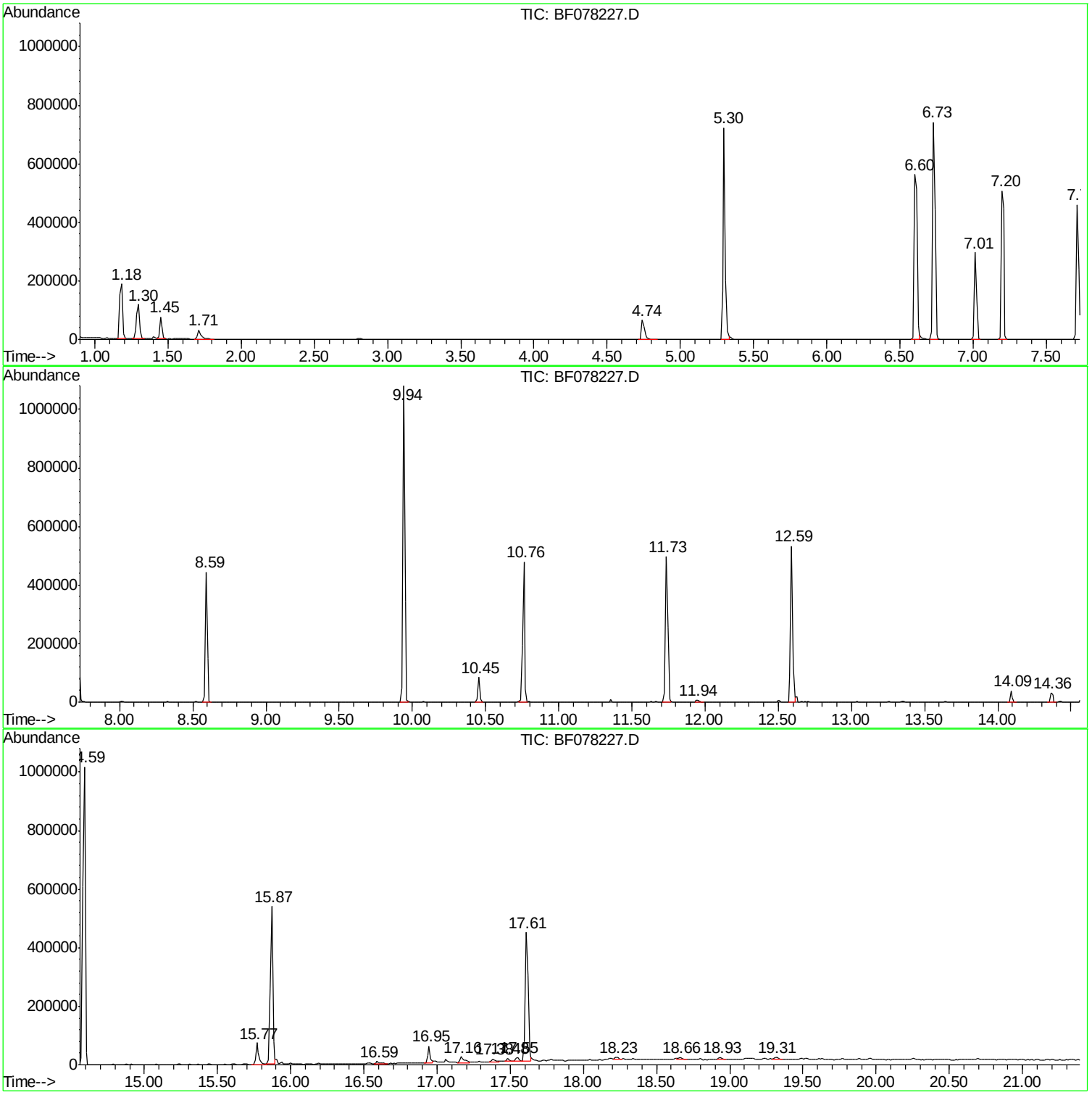
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040215\
Data File : BF078227.D
Acq On : 3 Apr 2015 6:00
Operator : TP/IZ
Sample : G1731-03
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** COMP-3

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\BF040215\
Data File : BF078227.D
Acq On : 3 Apr 2015 6:00
Operator : TP/IZ
Sample : G1731-03
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** COMP-3

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

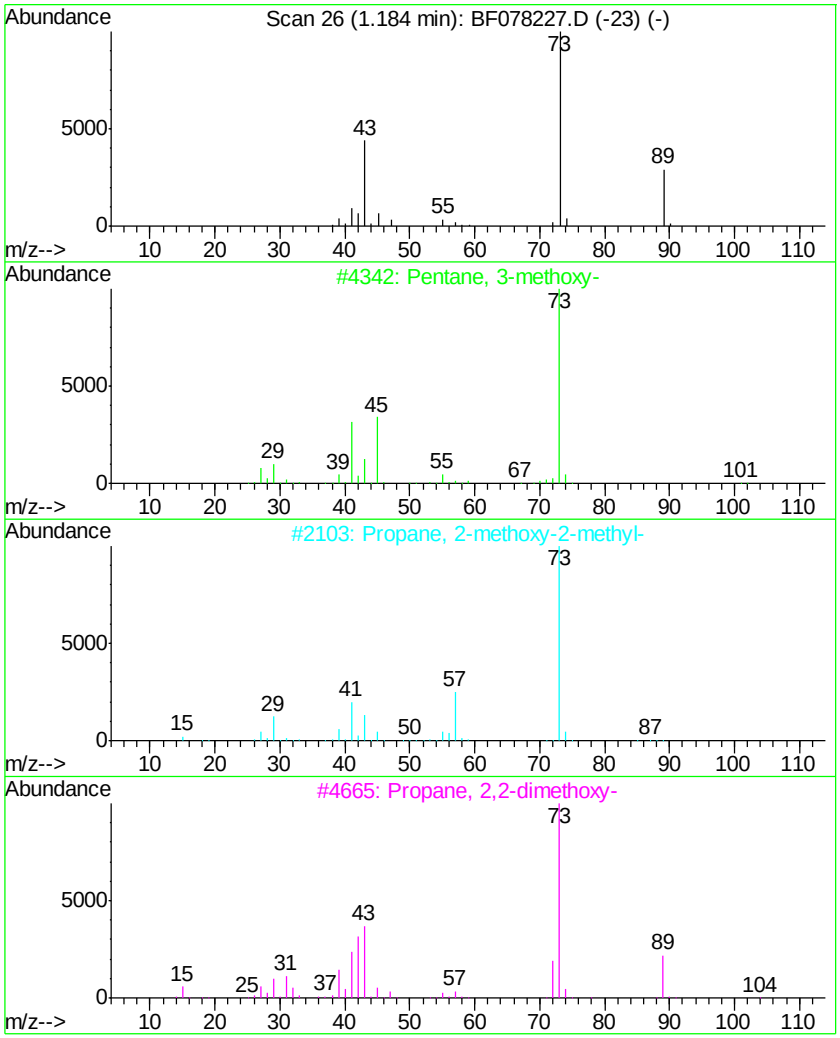
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

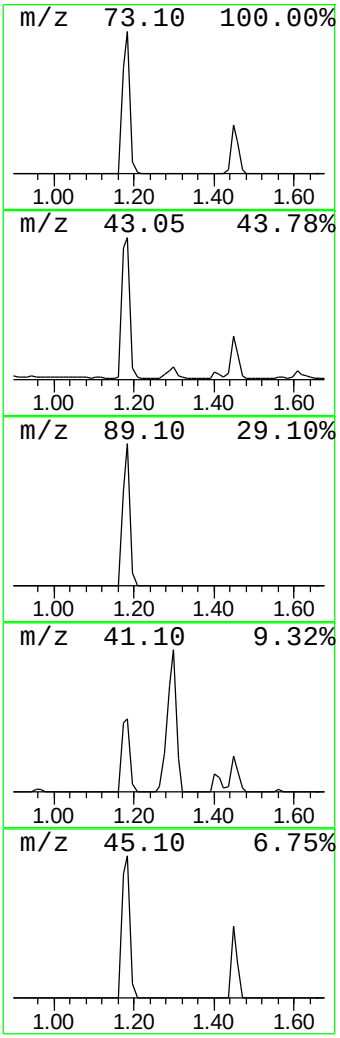
**********

Peak Number 1 unknown1.18 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.18 | 15.97 ng | 241960 | 1,4-Dichlorobenzene-d4 | 7.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 17 |
| 2 | Propane, 2-methoxy-2-methyl- | 88 | C5H12O | 001634-04-4 | 9 |
| 3 | Propane, 2,2-dimethoxy- | 104 | C5H12O2 | 000077-76-9 | 9 |
| 4 | 2-Hydroxy-2-methylbutyric acid | 118 | C5H10O3 | 003739-30-8 | 9 |
| 5 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 5 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040215\
Data File : BF078227.D
Acq On : 3 Apr 2015 6:00
Operator : TP/IZ
Sample : G1731-03
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** COMP-3

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

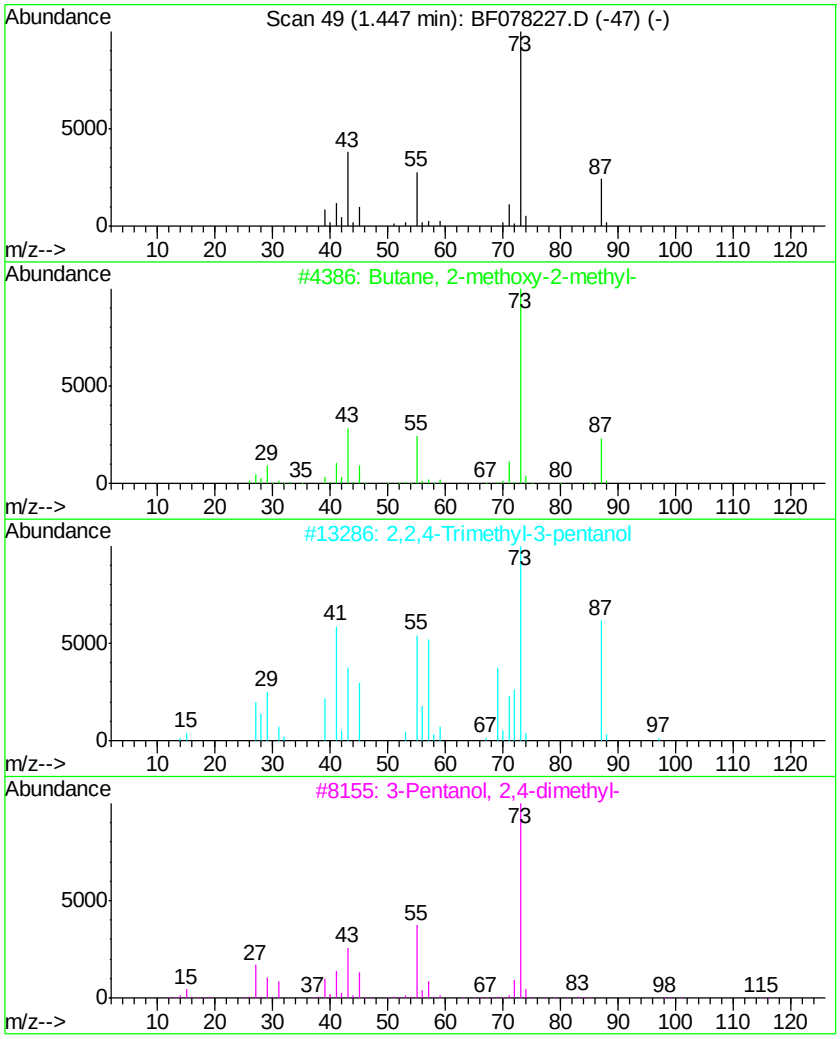
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

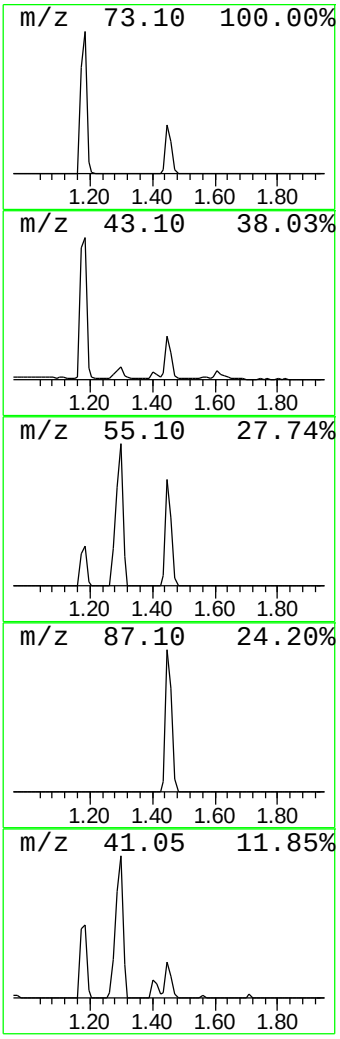
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.45 | 5.98 ng | 90656 | 1,4-Dichlorobenzene-d4 | 7.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 78 |
| 2 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 40 |
| 3 | 3-Pentanol, 2,4-dimethyl- | 116 | C7H16O | 000600-36-2 | 37 |
| 4 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 17 |
| 5 | Acetamide, N-ethyl- | 87 | C4H9NO | 000625-50-3 | 10 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040215\
Data File : BF078227.D
Acq On : 3 Apr 2015 6:00
Operator : TP/IZ
Sample : G1731-03
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** COMP-3

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

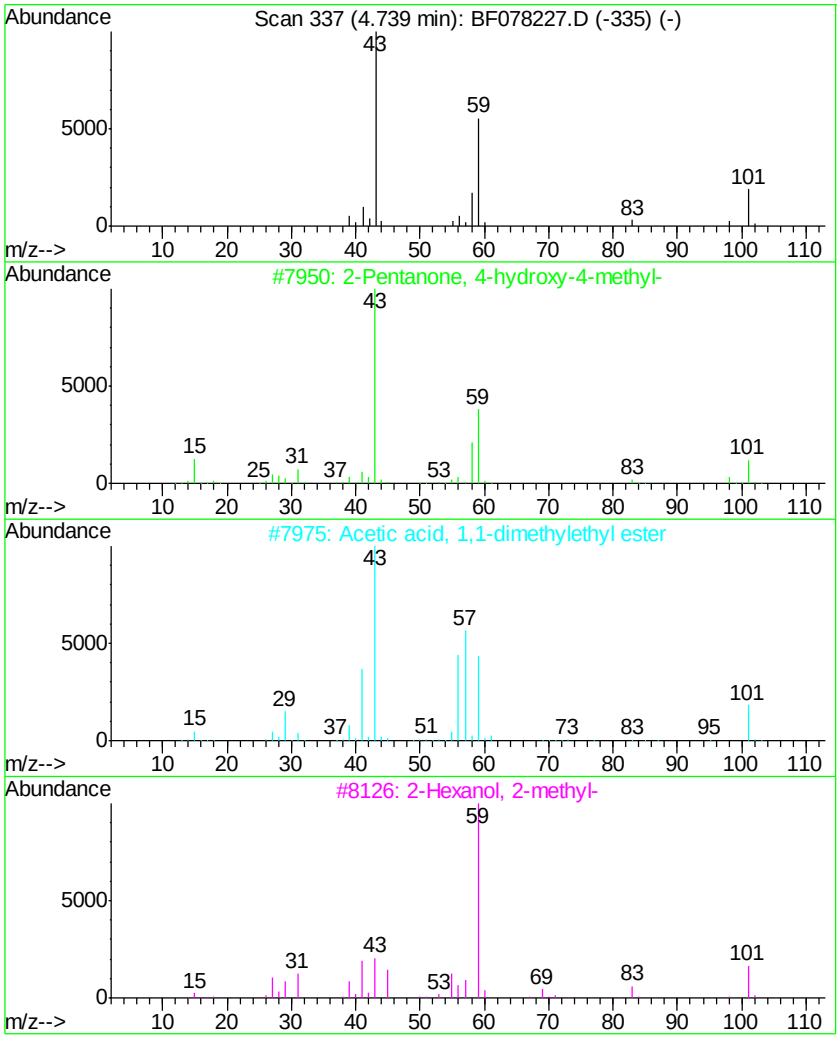
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

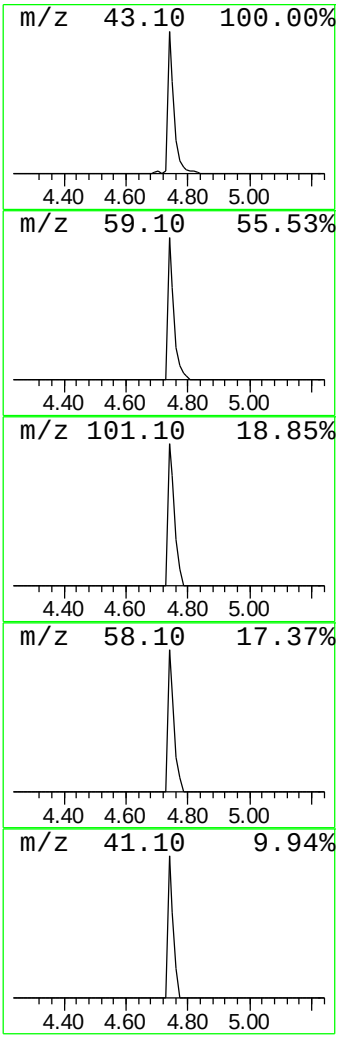
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.74 | 6.15 ng | 93194 | 1,4-Dichlorobenzene-d4 | 7.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 59 |
| 2 | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 39 |
| 3 | 2-Hexanol, 2-methyl- | 116 | C7H16O | 000625-23-0 | 33 |
| 4 | Acetone | 58 | C3H6O | 000067-64-1 | 9 |
| 5 | Butane, 1-ethoxy- | 102 | C6H14O | 000628-81-9 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040215\
Data File : BF078227.D
Acq On : 3 Apr 2015 6:00
Operator : TP/IZ
Sample : G1731-03
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** COMP-3

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

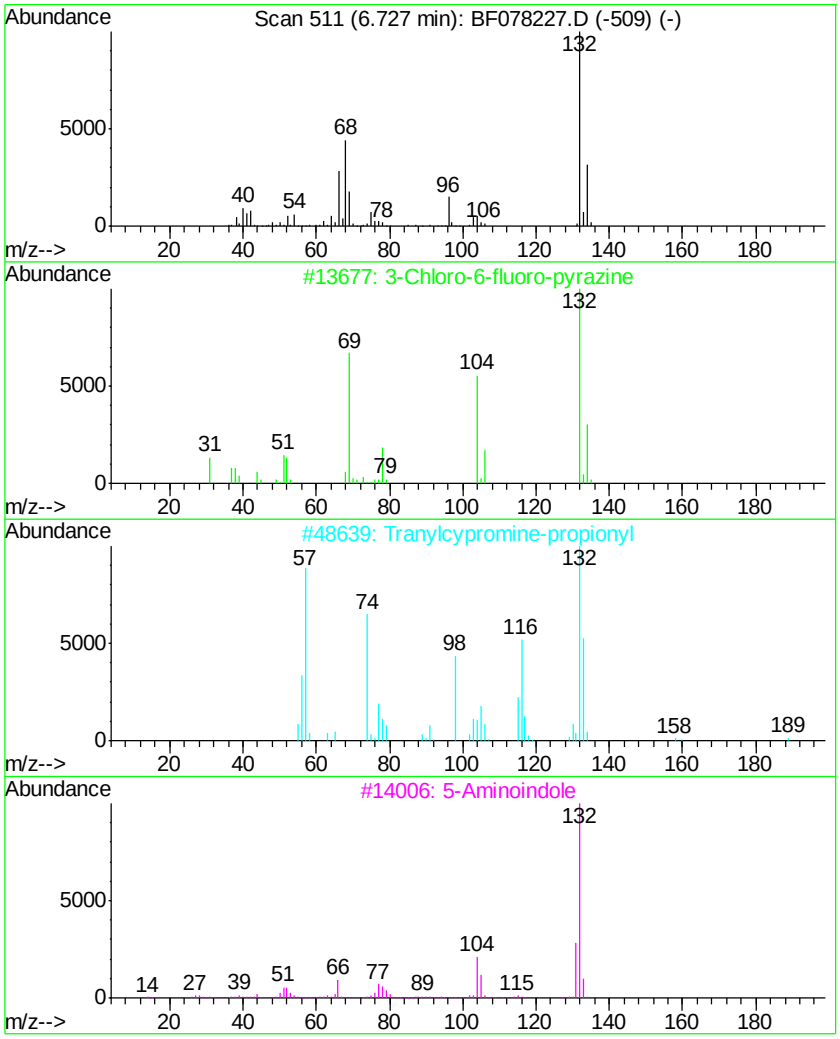
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

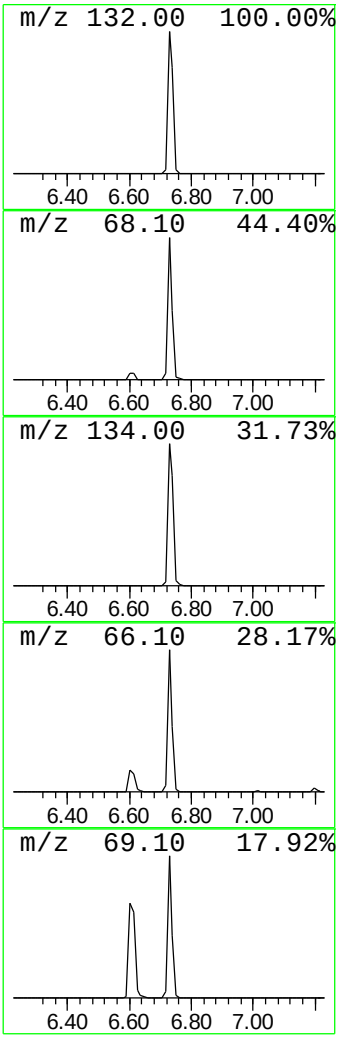
**********

Peak Number 6 unknown6.73 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.73 | 55.40 ng | 839366 | 1,4-Dichlorobenzene-d4 | 7.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 35 |
| 2 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 3 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 10 |
| 4 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12 | 028749-81-7 | 9 |
| 5 | 4-Chloro-6-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-01-6 | 9 |



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Data File : BF078227.D
Acq On : 3 Apr 2015 6:00
Operator : TP/IZ
Sample : G1731-03
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** COMP-3

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

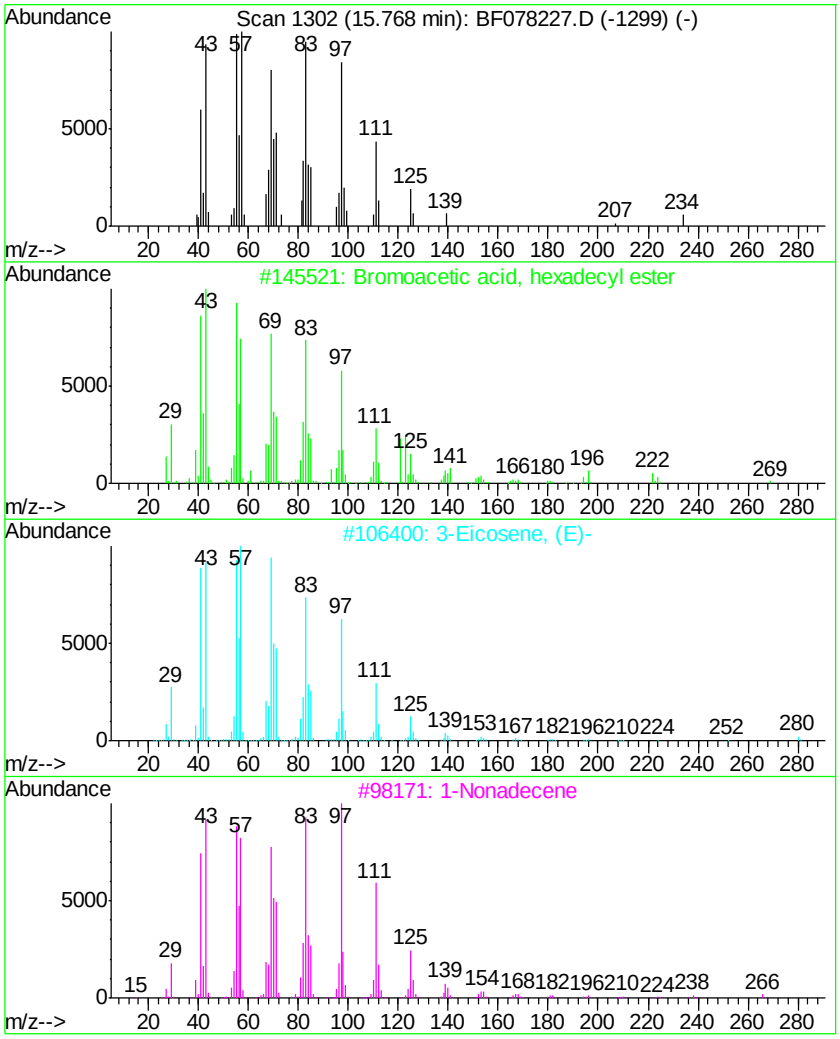
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

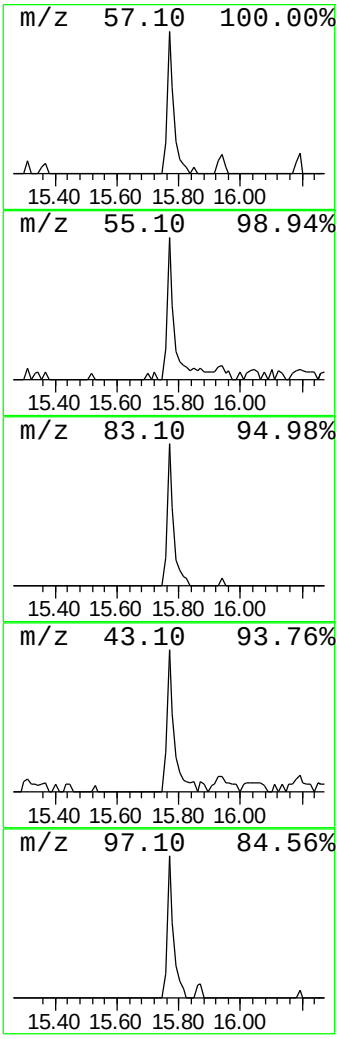
**********

Peak Number 8 Bromoacetic acid, hexadecyl... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.77 | 3.57 ng | 110457 | Chrysene-d12 | 15.87 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Bromoacetic acid, hexadecyl ester | 362 | C18H35BrO2 | 005454-48-8 | 91 |
| 2 | 3-Eicosene, (E)- | 280 | C20H40 | 074685-33-9 | 91 |
| 3 | 1-Nonadecene | 266 | C19H38 | 018435-45-5 | 91 |
| 4 | Trifluoroacetic acid, n-heptadec... | 324 | C17H31F3O2 | 1000216-79-2 | 91 |
| 5 | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 90 |



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Operator : TP/IZ
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Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** COMP-3

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

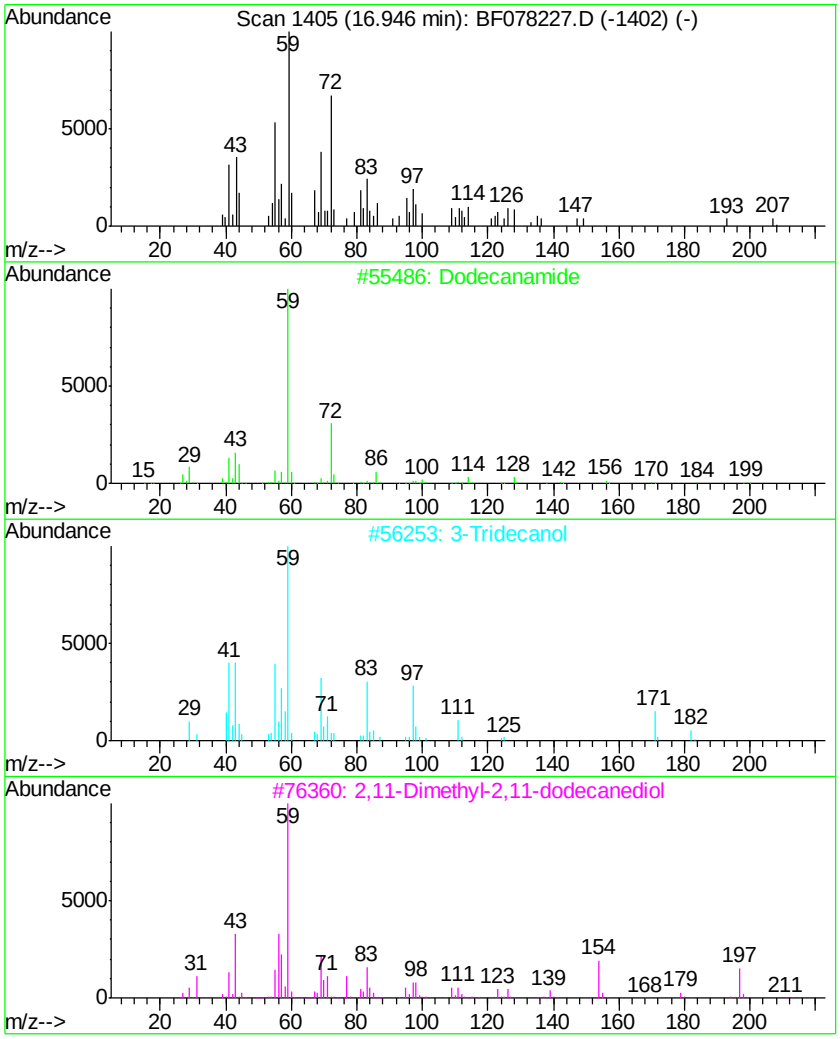
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

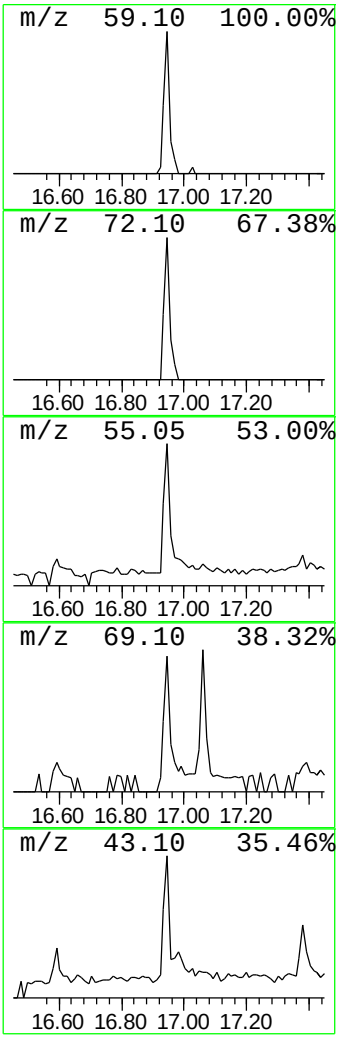
**********

Peak Number 9 Dodecanamide Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.95 | 2.49 ng | 72691 | Perylene-d12 | 17.61 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dodecanamide | 199 | C12H25NO | 001120-16-7 | 50 |
| 2 | 3-Tridecanol | 200 | C13H28O | 010289-68-6 | 43 |
| 3 | 2,11-Dimethyl-2,11-dodecanediol | 230 | C14H30O2 | 022092-59-7 | 40 |
| 4 | 2-Methyl-tridecane-2,12-diol | 230 | C14H30O2 | 1000187-03-5 | 38 |
| 5 | 2-Octanol, 2-methyl-6-methylene- | 156 | C10H20O | 018479-59-9 | 35 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040215\
Data File : BF078227.D
Acq On : 3 Apr 2015 6:00
Operator : TP/IZ
Sample : G1731-03
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** COMP-3

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 |
| unknown1.18 | 1.18 | 16.0 | ng | 241960 | 1 | 7.01 | 303036 | 20.0 |
| Butane, 2-methoxy... | 1.45 | 6.0 | ng | 90656 | 1 | 7.01 | 303036 | 20.0 |
| 2-Pentanone, 4-hy... | 4.74 | 6.2 | ng | 93194 | 1 | 7.01 | 303036 | 20.0 |
| unknown6.73 | 6.73 | 55.4 | ng | 839366 | 1 | 7.01 | 303036 | 20.0 |
| Bromoacetic acid,... | 15.77 | 3.6 | ng | 110457 | 5 | 15.87 | 619454 | 20.0 |
| Dodecanamide | 16.95 | 2.5 | ng | 72691 | 6 | 17.61 | 583021 | 20.0 |