LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040715\
Data File : BF078306.D
Acq On : 7 Apr 2015 19:04
Operator : TP/IZ
Sample : G1789-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** FS-023

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 | 15 | rVB | 10941 | 10390 | 1.27% | 0.177% |
| 2 | 1.081 | 15 | 17 | 20 | rBV | 282873 | 366926 | 45.02% | 6.239% |
| 3 | 1.207 | 25 | 28 | 30 | rVB | 94012 | 118294 | 14.51% | 2.011% |
| 4 | 1.344 | 38 | 40 | 43 | rBV | 128585 | 143015 | 17.55% | 2.432% |
| 5 | 1.664 | 65 | 68 | 77 | rBV | 56740 | 99183 | 12.17% | 1.686% |
| 6 | 4.567 | 320 | 322 | 325 | rBV | 6295 | 10290 | 1.26% | 0.175% |
| 7 | 4.624 | 325 | 327 | 331 | rVV | 22823 | 30850 | 3.79% | 0.525% |
| 8 | 5.196 | 375 | 377 | 386 | rBV | 175345 | 258031 | 31.66% | 4.388% |
| 9 | 6.521 | 491 | 493 | 501 | rBV | 258713 | 291715 | 35.79% | 4.960% |
| 10 | 6.647 | 501 | 504 | 506 | rBV | 261855 | 297038 | 36.44% | 5.051% |
| 11 | 6.933 | 527 | 529 | 531 | rBV | 163394 | 176823 | 21.70% | 3.007% |
| 12 | 7.116 | 542 | 545 | 547 | rBV | 258523 | 244883 | 30.05% | 4.164% |
| 13 | 7.630 | 587 | 590 | 592 | rBV | 211158 | 198936 | 24.41% | 3.383% |
| 14 | 8.510 | 665 | 667 | 669 | rBV | 241974 | 245992 | 30.18% | 4.183% |
| 15 | 9.230 | 728 | 730 | 731 | rBV | 11291 | 11372 | 1.40% | 0.193% |
| 16 | 9.859 | 783 | 785 | 787 | rBV | 568850 | 520553 | 63.87% | 8.851% |
| 17 | 10.373 | 828 | 830 | 832 | rBB | 18970 | 20005 | 2.45% | 0.340% |
| 18 | 10.670 | 853 | 856 | 859 | rVB | 317484 | 292771 | 35.92% | 4.978% |
| 19 | 11.573 | 933 | 935 | 937 | rVB | 58222 | 51634 | 6.34% | 0.878% |
| 20 | 11.642 | 939 | 941 | 944 | rBV2 | 324259 | 357204 | 43.83% | 6.074% |
| 21 | 12.499 | 1014 | 1016 | 1018 | rBV | 335674 | 313181 | 38.43% | 5.325% |
| 22 | 13.242 | 1079 | 1081 | 1086 | rBV | 16794 | 24849 | 3.05% | 0.423% |
| 23 | 14.488 | 1188 | 1190 | 1193 | rBV | 759439 | 815038 | 100.00% | 13.859% |
| 24 | 15.139 | 1245 | 1247 | 1250 | rBV | 37000 | 40516 | 4.97% | 0.689% |
| 25 | 15.677 | 1291 | 1294 | 1299 | rBV | 71022 | 112080 | 13.75% | 1.906% |
| 26 | 15.757 | 1299 | 1301 | 1304 | rVV | 255089 | 365018 | 44.79% | 6.207% |
| 27 | 16.488 | 1363 | 1365 | 1367 | rBV2 | 6213 | 9088 | 1.12% | 0.155% |
| 28 | 17.265 | 1430 | 1433 | 1437 | rBV2 | 7674 | 12660 | 1.55% | 0.215% |
| 29 | 17.483 | 1449 | 1452 | 1455 | rBV | 281051 | 345510 | 42.39% | 5.875% |
| 30 | 17.654 | 1465 | 1467 | 1469 | rBV2 | 7741 | 11159 | 1.37% | 0.190% |
| 31 | 18.043 | 1498 | 1501 | 1503 | rBV | 10811 | 17758 | 2.18% | 0.302% |
| 32 | 18.088 | 1503 | 1505 | 1508 | rVB2 | 7884 | 13518 | 1.66% | 0.230% |
| 33 | 18.477 | 1536 | 1539 | 1544 | rBV2 | 10832 | 20466 | 2.51% | 0.348% |
| 34 | 18.968 | 1579 | 1582 | 1585 | rBV4 | 7855 | 16184 | 1.99% | 0.275% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040715\
Data File : BF078306.D
Acq On : 7 Apr 2015 19:04
Operator : TP/IZ
Sample : G1789-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** FS-023

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 19.563 | 1630 | 1634 | 1638 | rBV5 | 5433 | 18083 | 2.22% | 0.307% |

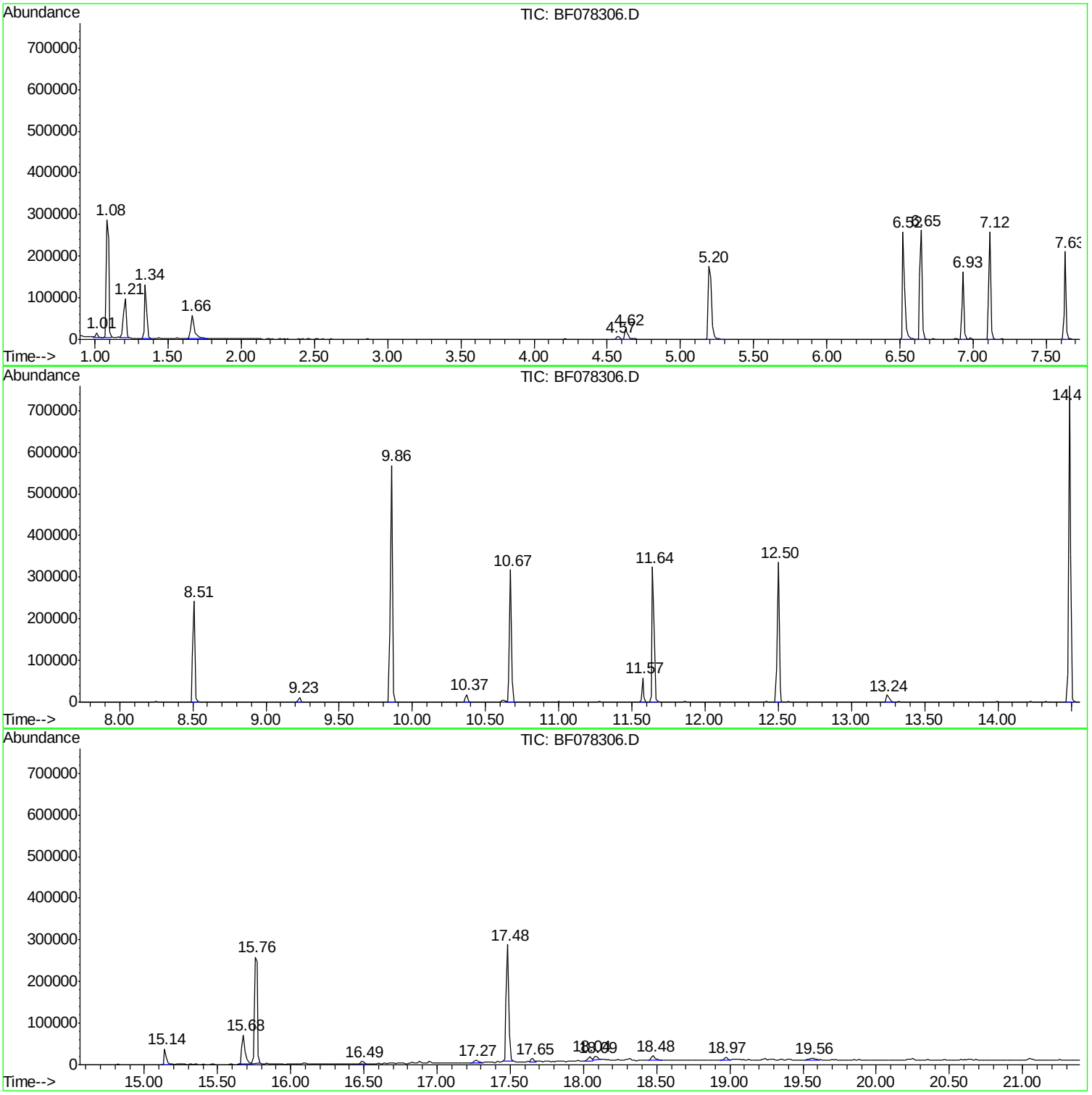
Sum of corrected areas: 5881013

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040715\
Data File : BF078306.D
Acq On : 7 Apr 2015 19:04
Operator : TP/IZ
Sample : G1789-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** FS-023

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 : BF078306.D
Acq On : 7 Apr 2015 19:04
Operator : TP/IZ
Sample : G1789-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** FS-023

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

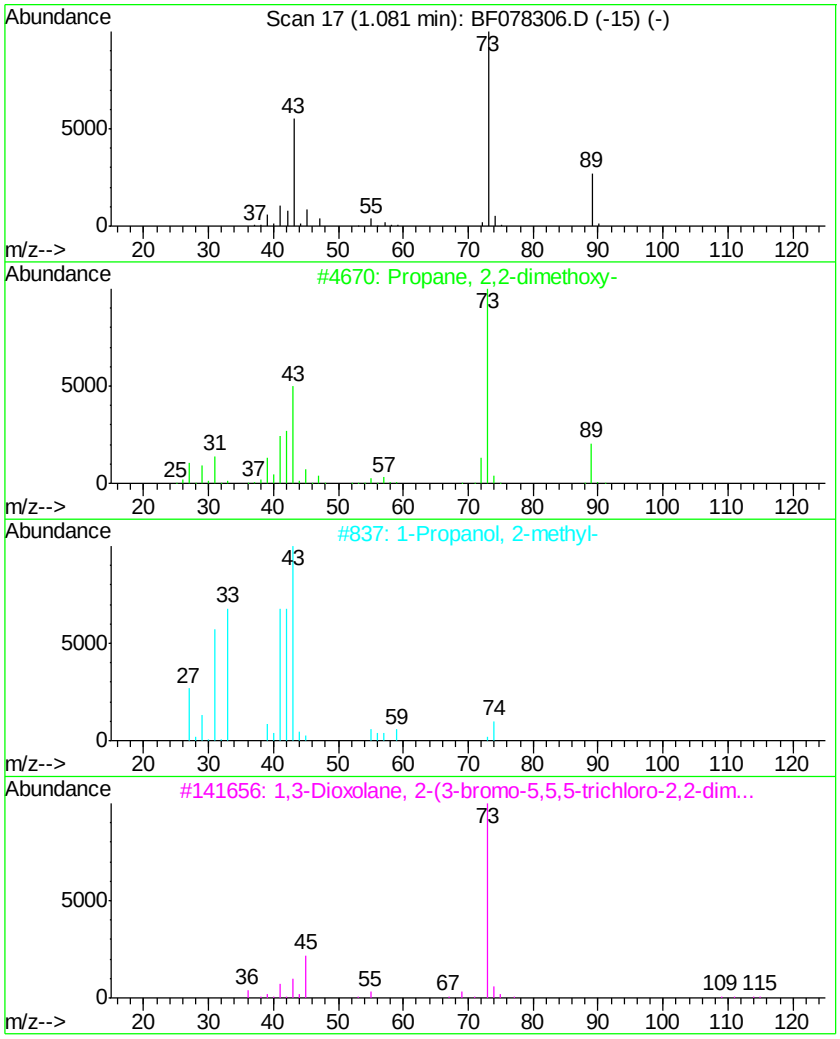
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

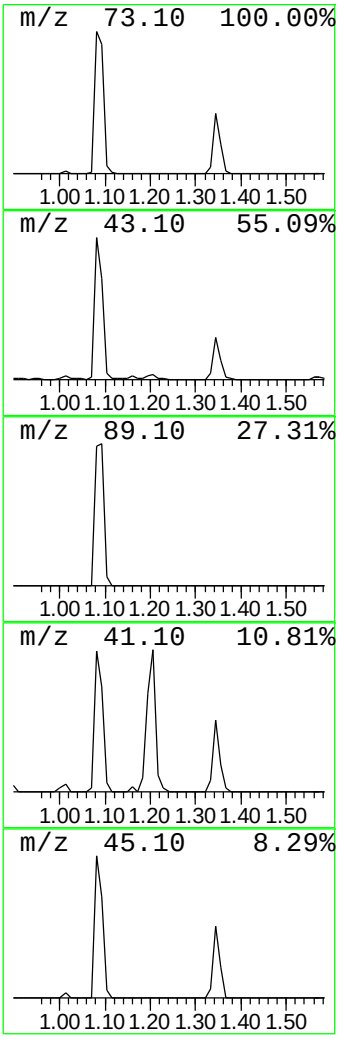
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.08 | 41.50 ng | 366926 | 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 | 1,3-Dioxolane, 2-(3-bromo-5,5,5-... | 352 | C10H16BrCl3O2 | 1000115-31-4 | 9 |
| 4 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 9 |
| 5 | Propane, 2-methoxy-2-methyl- | 88 | C5H12O | 001634-04-4 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040715\
Data File : BF078306.D
Acq On : 7 Apr 2015 19:04
Operator : TP/IZ
Sample : G1789-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** FS-023

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

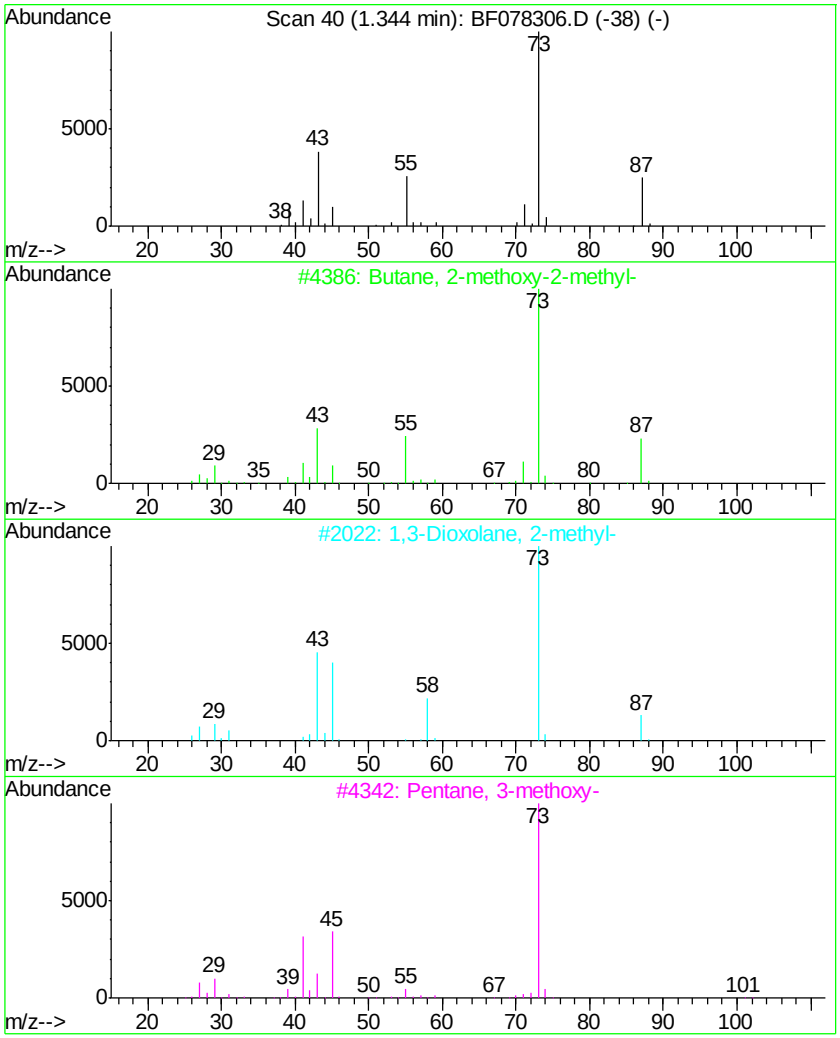
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

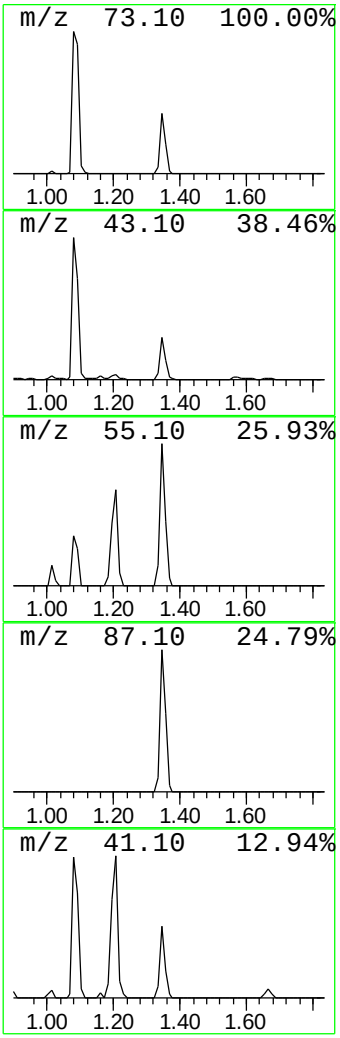
**********

Peak Number 3 Butane, 2-methoxy-2-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.34 | 16.18 ng | 143015 | 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 | 83 |
| 2 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 25 |
| 3 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 12 |
| 4 | Acetamide, N-ethyl- | 87 | C4H9NO | 000625-50-3 | 12 |
| 5 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040715\
Data File : BF078306.D
Acq On : 7 Apr 2015 19:04
Operator : TP/IZ
Sample : G1789-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** FS-023

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

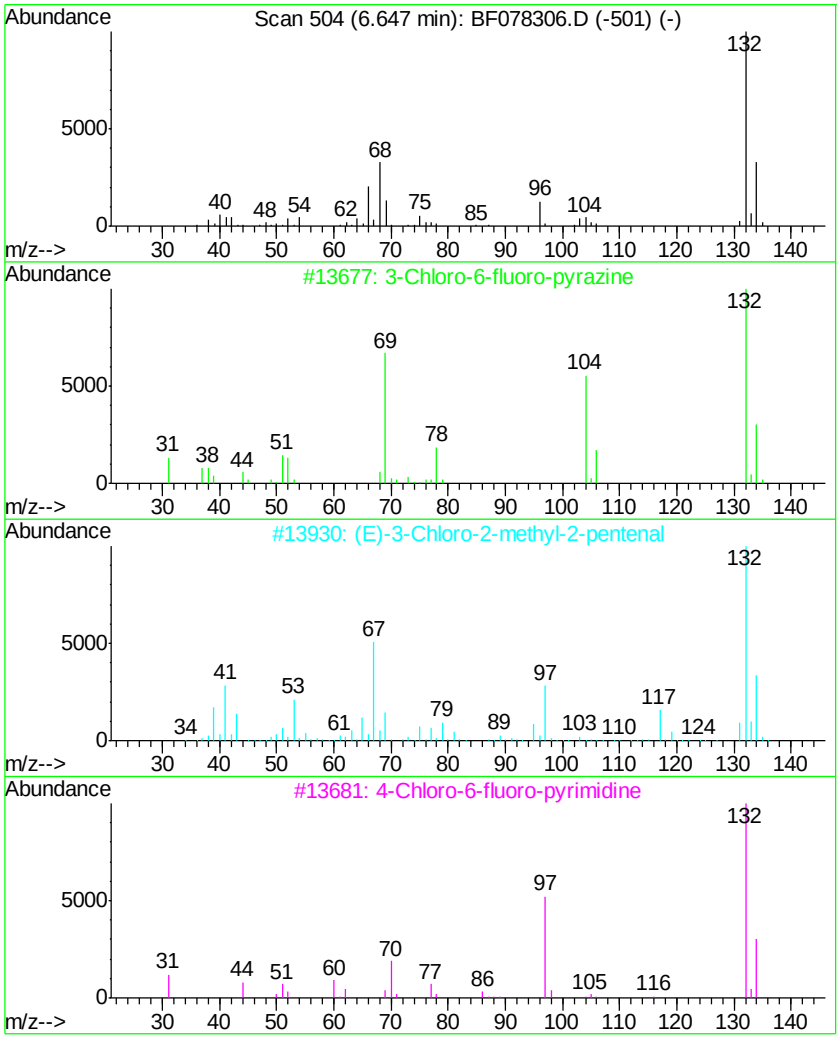
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

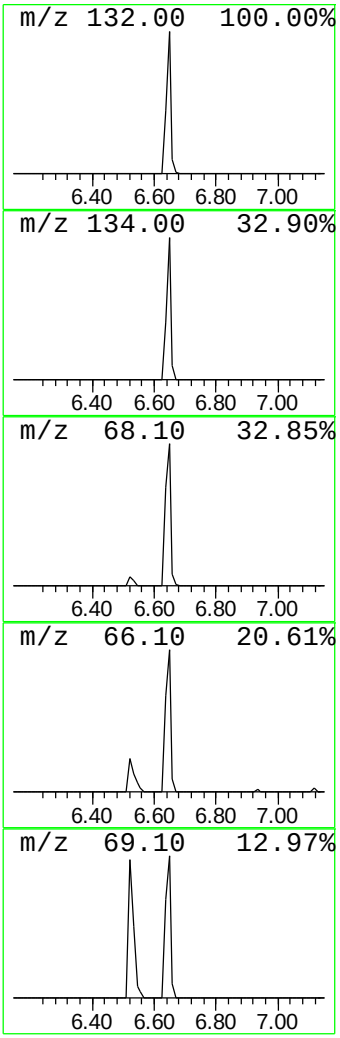
**********

Peak Number 6 unknown6.65 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.65 | 33.60 ng | 297038 | 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 | 12 |
| 3 | 4-Chloro-6-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-01-6 | 9 |
| 4 | Xenon | 132 | Xe | 007440-63-3 | 9 |
| 5 | 4-Chloro-2-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-00-5 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040715\
Data File : BF078306.D
Acq On : 7 Apr 2015 19:04
Operator : TP/IZ
Sample : G1789-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** FS-023

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

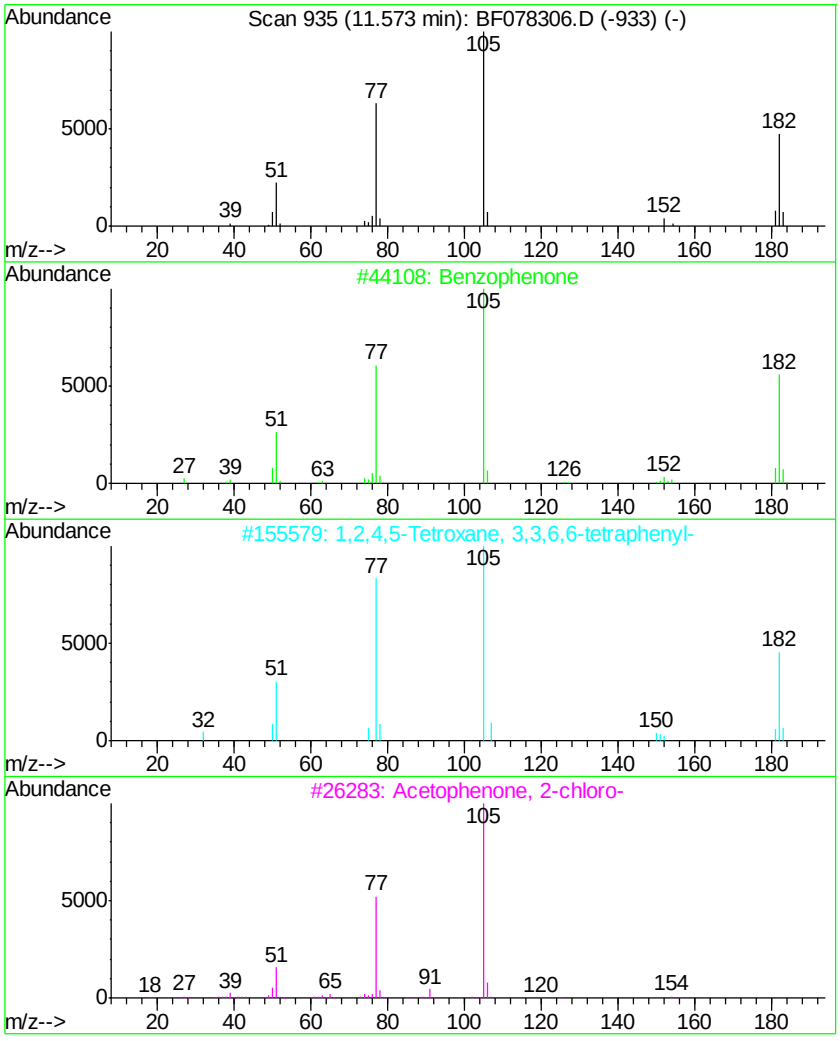
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

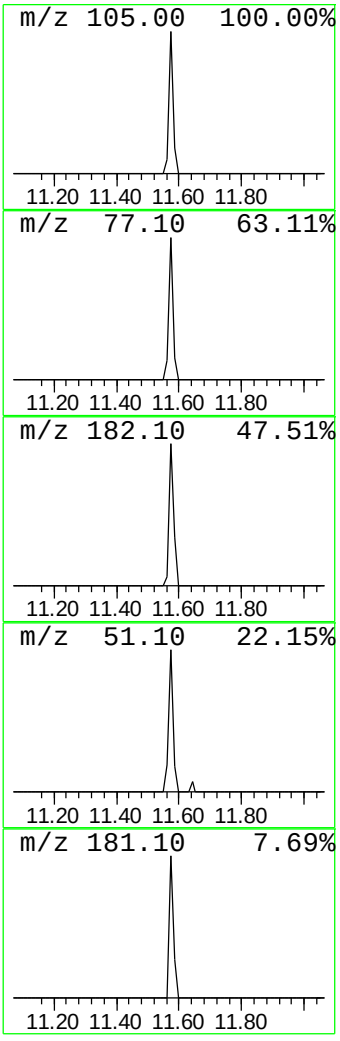
**********

Peak Number 8 Benzophenone Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.57 | 3.53 ng | 51634 | Acenaphthene-d10 | 10.67 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzophenone | 182 | C13H10O | 000119-61-9 | 95 |
| 2 | 1,2,4,5-Tetroxane, 3,3,6,6-tetra... | 396 | C26H20O4 | 016204-36-7 | 78 |
| 3 | Acetophenone, 2-chloro- | 154 | C8H7ClO | 000532-27-4 | 49 |
| 4 | Benzenebutanoic acid, .gamma.-ox... | 192 | C11H12O3 | 025333-24-8 | 47 |
| 5 | Benzenebutanoic acid, .gamma.-oxo- | 178 | C10H10O3 | 002051-95-8 | 47 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040715\
Data File : BF078306.D
Acq On : 7 Apr 2015 19:04
Operator : TP/IZ
Sample : G1789-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** FS-023

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

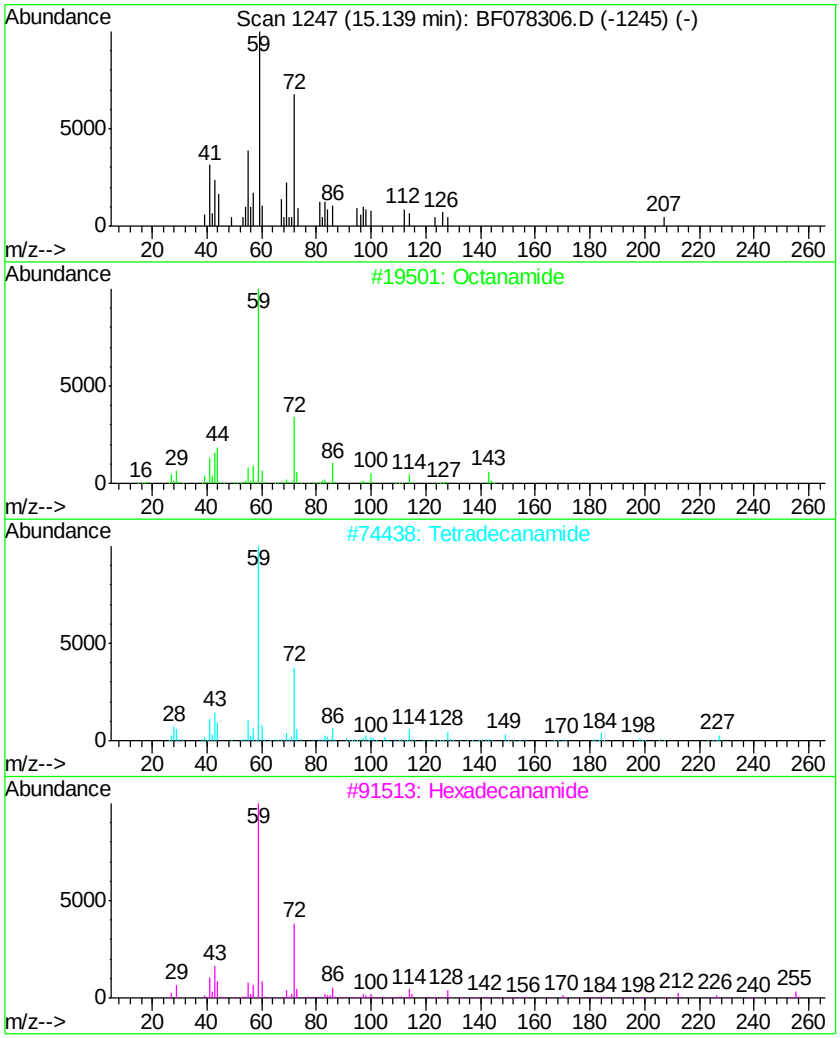
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

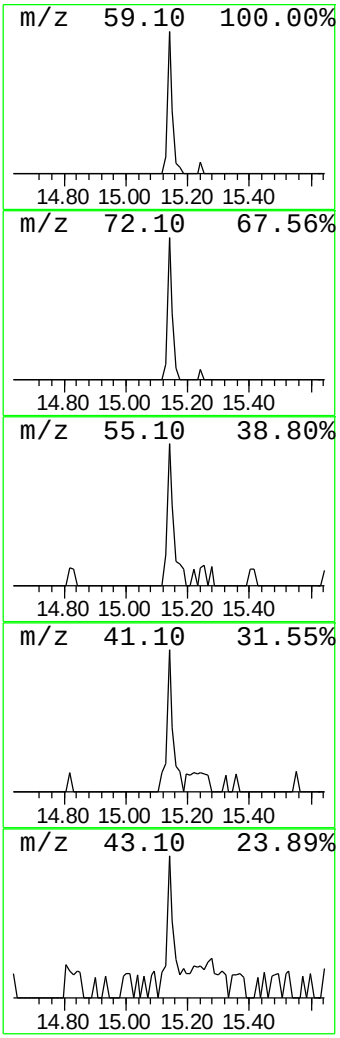
**********

Peak Number 9 Octanamide Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.14 | 2.22 ng | 40516 | Chrysene-d12 | 15.77 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octanamide | 143 | C8H17NO | 000629-01-6 | 59 |
| 2 | Tetradecanamide | 227 | C14H29NO | 000638-58-4 | 59 |
| 3 | Hexadecanamide | 255 | C16H33NO | 000629-54-9 | 56 |
| 4 | Heptanamide, 4-ethyl-5-methyl- | 171 | C10H21NO | 054789-40-1 | 45 |
| 5 | Nonanamide | 157 | C9H19NO | 001120-07-6 | 42 |



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Data File : BF078306.D
Acq On : 7 Apr 2015 19:04
Operator : TP/IZ
Sample : G1789-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** FS-023

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

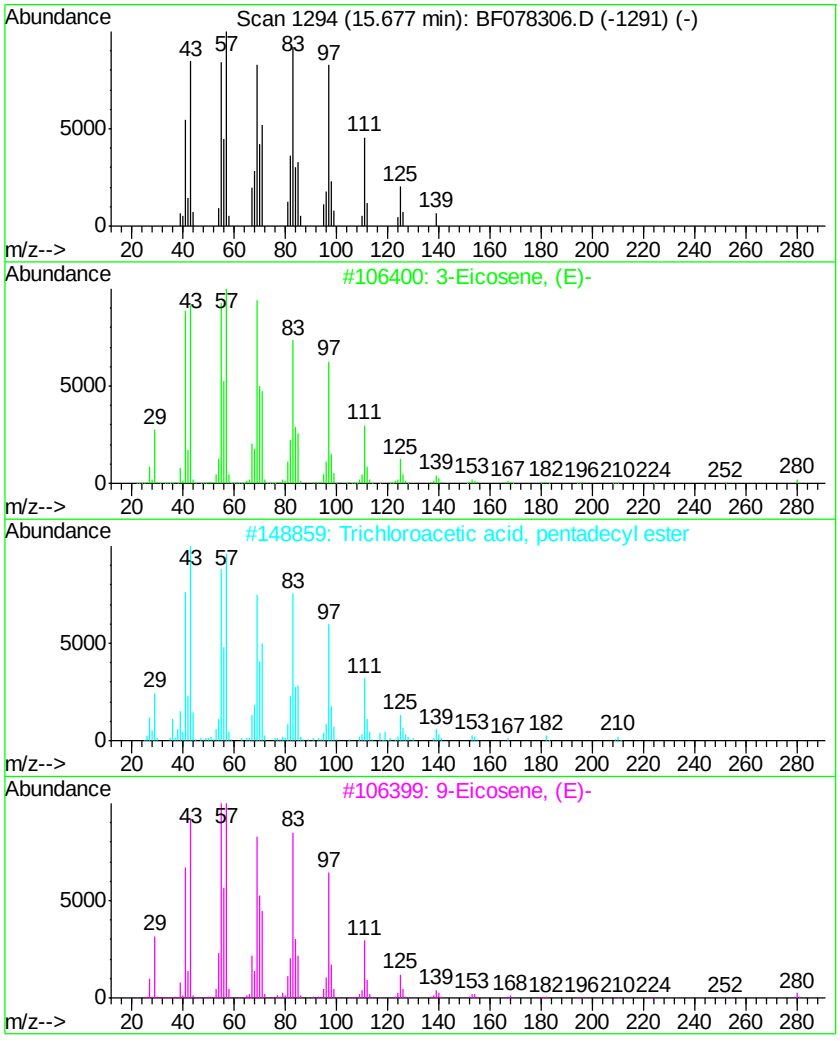
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

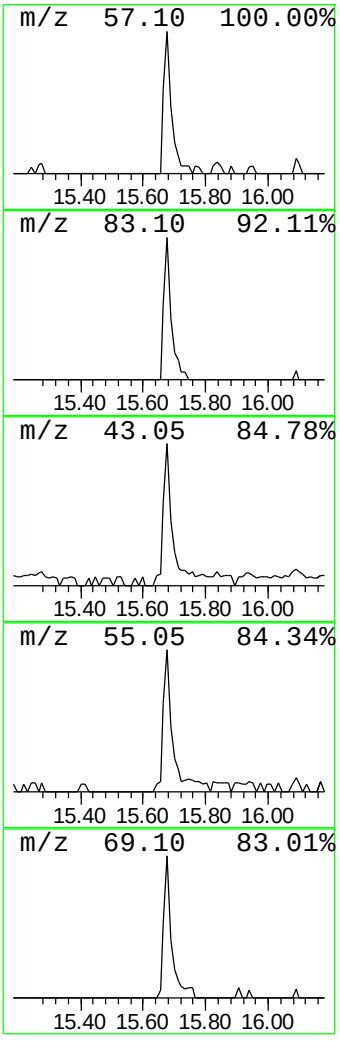
**********

Peak Number 10 3-Eicosene, (E)- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.68 | 6.14 ng | 112080 | Chrysene-d12 | 15.77 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Eicosene, (E)- | 280 | C20H40 | 074685-33-9 | 91 |
| 2 | Trichloroacetic acid, pentadecyl... | 372 | C17H31Cl3O2 | 074339-53-0 | 91 |
| 3 | 9-Eicosene, (E)- | 280 | C20H40 | 074685-29-3 | 91 |
| 4 | 1-Hexadecanol | 242 | C16H34O | 036653-82-4 | 86 |
| 5 | 11-Tricosene | 322 | C23H46 | 052078-56-5 | 86 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040715\
Data File : BF078306.D
Acq On : 7 Apr 2015 19:04
Operator : TP/IZ
Sample : G1789-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** FS-023

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... | 1.08 | 41.5 | ng | 366926 | 1 | 6.93 | 176823 | 20.0 |
| Butane, 2-methoxy... | 1.34 | 16.2 | ng | 143015 | 1 | 6.93 | 176823 | 20.0 |
| unknown6.65 | 6.65 | 33.6 | ng | 297038 | 1 | 6.93 | 176823 | 20.0 |
| Benzophenone | 11.57 | 3.5 | ng | 51634 | 3 | 10.67 | 292771 | 20.0 |
| Octanamide | 15.14 | 2.2 | ng | 40516 | 5 | 15.77 | 365018 | 20.0 |
| 3-Eicosene, (E)- | 15.68 | 6.1 | ng | 112080 | 5 | 15.77 | 365018 | 20.0 |