LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022615\
Data File : BF077467.D
Acq On : 26 Feb 2015 16:11
Operator : TP/IZ
Sample : G1384-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 36A-NW-022515

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: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.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 | 1.424 | 45 | 47 | 50 | rBV | 3521871 | 4578821 | 100.00% | 21.123% |
| 2 | 1.561 | 55 | 59 | 62 | rVB | 117376 | 197861 | 4.32% | 0.913% |
| 3 | 1.733 | 72 | 74 | 80 | rVV | 61340 | 84757 | 1.85% | 0.391% |
| 4 | 1.847 | 81 | 84 | 94 | rVB2 | 87748 | 185955 | 4.06% | 0.858% |
| 5 | 5.047 | 362 | 364 | 370 | rVB | 254757 | 289304 | 6.32% | 1.335% |
| 6 | 5.561 | 406 | 409 | 411 | rBV | 1141512 | 1416988 | 30.95% | 6.537% |
| 7 | 6.819 | 517 | 519 | 522 | rBV | 1188987 | 1399013 | 30.55% | 6.454% |
| 8 | 6.979 | 530 | 533 | 535 | rBV | 1596648 | 1560200 | 34.07% | 7.198% |
| 9 | 7.264 | 556 | 558 | 560 | rBV | 385111 | 355748 | 7.77% | 1.641% |
| 10 | 7.459 | 572 | 575 | 577 | rVB | 897850 | 1184914 | 25.88% | 5.466% |
| 11 | 7.962 | 616 | 619 | 621 | rBV | 674559 | 902204 | 19.70% | 4.162% |
| 12 | 8.842 | 694 | 696 | 698 | rBV | 584487 | 492924 | 10.77% | 2.274% |
| 13 | 10.191 | 812 | 814 | 816 | rBV | 2100730 | 1832690 | 40.03% | 8.455% |
| 14 | 10.693 | 856 | 858 | 860 | rBV | 61830 | 52126 | 1.14% | 0.240% |
| 15 | 11.013 | 884 | 886 | 889 | rVB | 573085 | 579168 | 12.65% | 2.672% |
| 16 | 11.916 | 963 | 965 | 967 | rVB | 95363 | 84286 | 1.84% | 0.389% |
| 17 | 11.996 | 969 | 972 | 975 | rBV | 1285950 | 1237702 | 27.03% | 5.710% |
| 18 | 12.865 | 1045 | 1048 | 1050 | rBV | 464982 | 619277 | 13.52% | 2.857% |
| 19 | 14.854 | 1220 | 1222 | 1225 | rBV | 1897970 | 2140404 | 46.75% | 9.874% |
| 20 | 15.494 | 1274 | 1278 | 1283 | rBV | 261180 | 303724 | 6.63% | 1.401% |
| 21 | 16.020 | 1322 | 1324 | 1333 | rBV | 271170 | 406229 | 8.87% | 1.874% |
| 22 | 16.145 | 1333 | 1335 | 1338 | rBV | 658988 | 752567 | 16.44% | 3.472% |
| 23 | 16.854 | 1394 | 1397 | 1400 | rBV2 | 26896 | 46257 | 1.01% | 0.213% |
| 24 | 17.323 | 1436 | 1438 | 1441 | rBV | 71488 | 83054 | 1.81% | 0.383% |
| 25 | 17.643 | 1463 | 1466 | 1471 | rBV4 | 18112 | 47374 | 1.03% | 0.219% |
| 26 | 17.894 | 1485 | 1488 | 1491 | rBV | 599638 | 754680 | 16.48% | 3.482% |
| 27 | 18.523 | 1541 | 1543 | 1549 | rVB2 | 45209 | 88344 | 1.93% | 0.408% |

Sum of corrected areas: 21676571

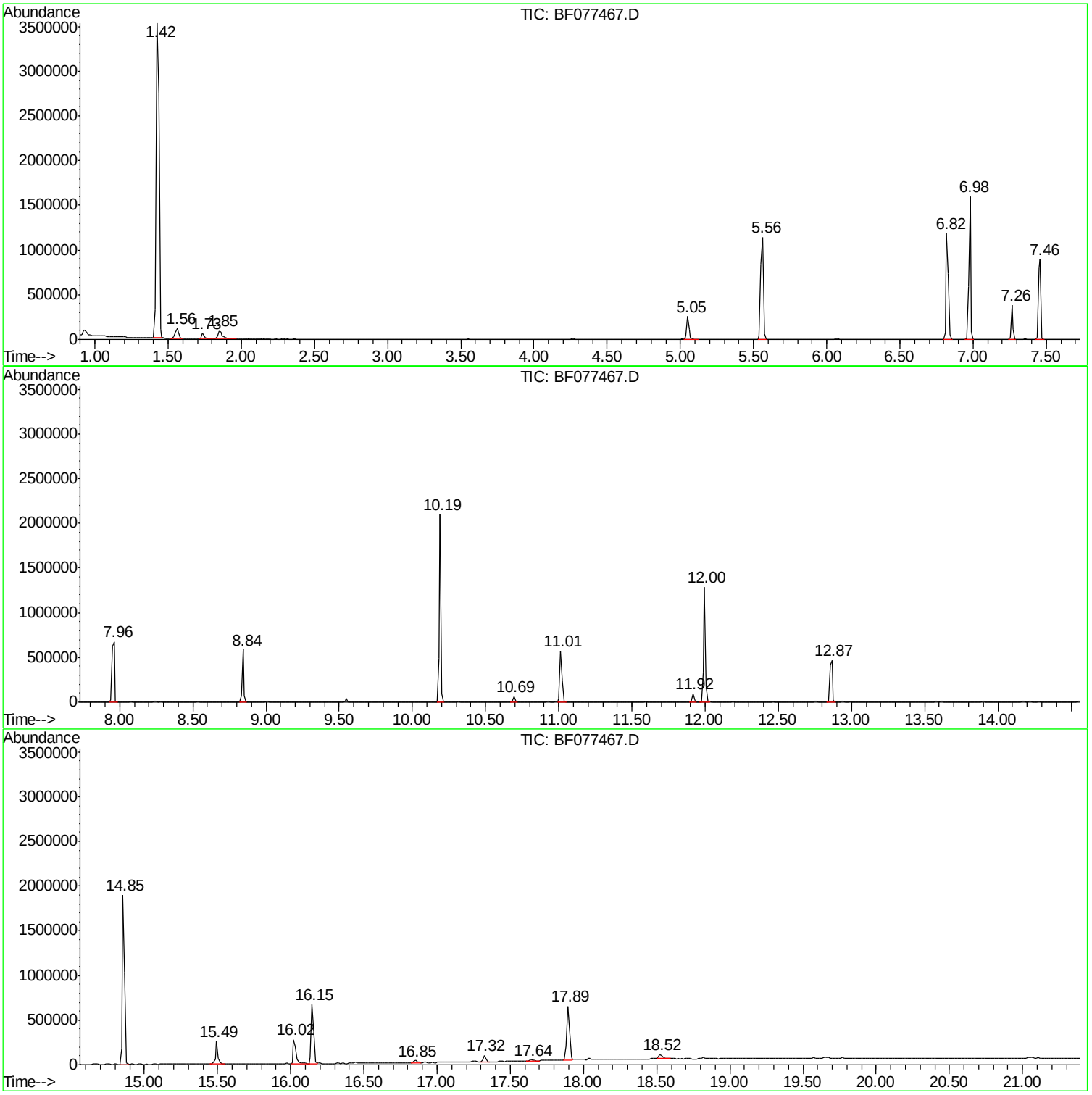
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022615\
Data File : BF077467.D
Acq On : 26 Feb 2015 16:11
Operator : TP/IZ
Sample : G1384-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 36A-NW-022515

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022615\
Data File : BF077467.D
Acq On : 26 Feb 2015 16:11
Operator : TP/IZ
Sample : G1384-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 36A-NW-022515

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

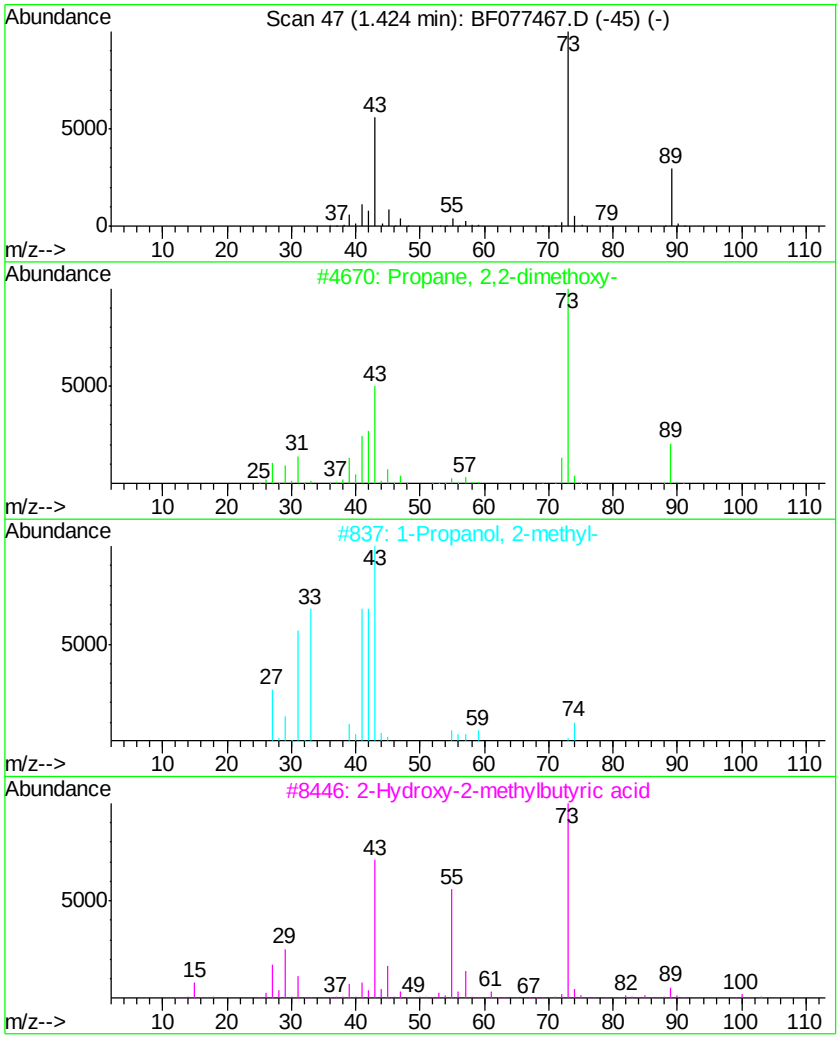
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

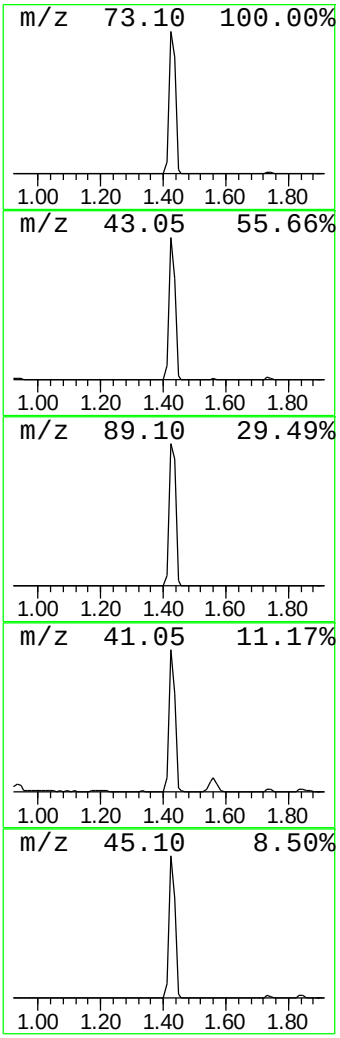
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.42 | 257.42 ng | 4578820 | 1,4-Dichlorobenzene-d4 | 7.26 |

| 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 | 2-Hydroxy-2-methylbutyric acid | 118 | C5H10O3 | 003739-30-8 | 9 |
| 4 | Propane, 2-methoxy-2-methyl- | 88 | C5H12O | 001634-04-4 | 9 |
| 5 | 1,3-Dioxolane, 2-(3-bromo-5,5,5-... | 352 | C10H16BrCl3O2 | 1000115-31-4 | 9 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022615\
Data File : BF077467.D
Acq On : 26 Feb 2015 16:11
Operator : TP/IZ
Sample : G1384-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 36A-NW-022515

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

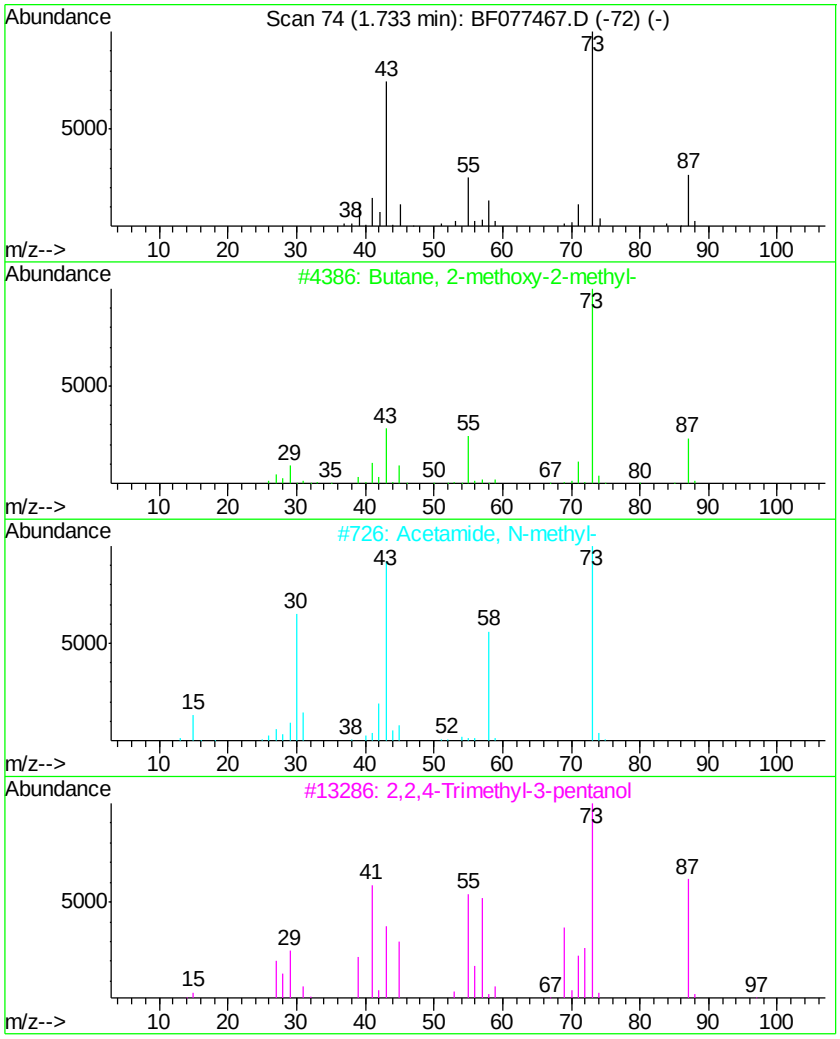
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

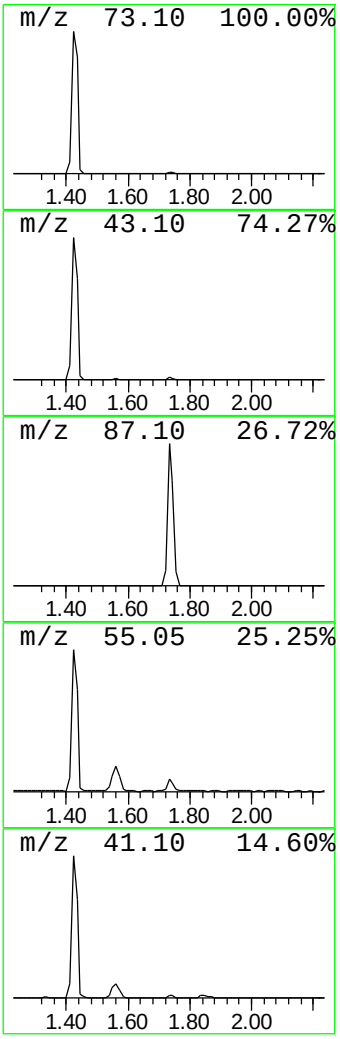
**********

Peak Number 3 Butane, 2-methoxy-2-methyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.73 | 4.77 ng | 84757 | 1,4-Dichlorobenzene-d4 | 7.26 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 53 |
| 2 | Acetamide, N-methyl- | 73 | C3H7NO | 000079-16-3 | 25 |
| 3 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 25 |
| 4 | 2-Butanone, 3-methoxy-3-methyl- | 116 | C6H12O2 | 036687-98-6 | 23 |
| 5 | 1-Hepten-4-ol | 114 | C7H14O | 003521-91-3 | 17 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022615\
Data File : BF077467.D
Acq On : 26 Feb 2015 16:11
Operator : TP/IZ
Sample : G1384-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 36A-NW-022515

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

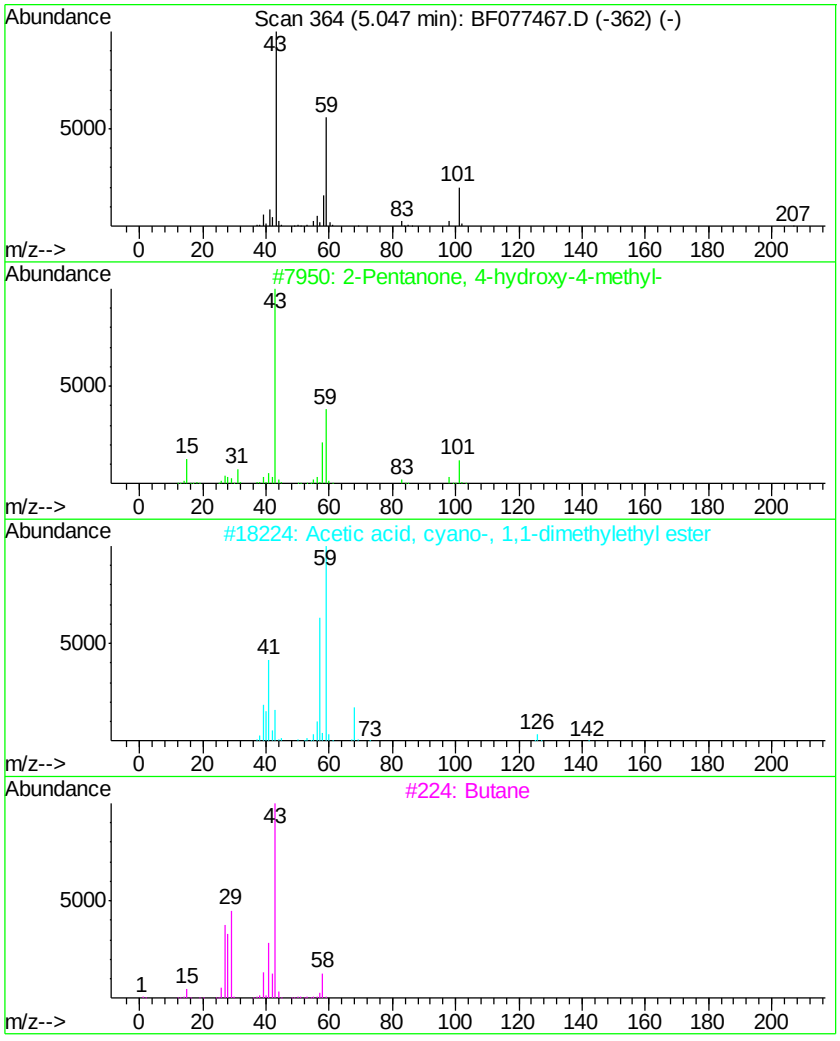
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

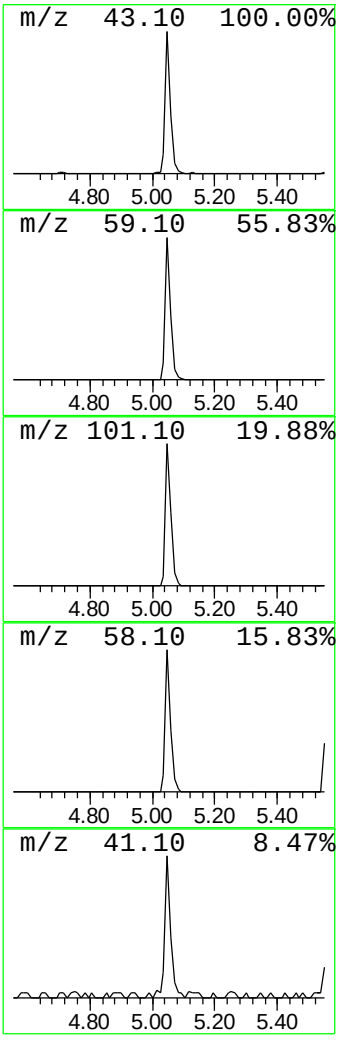
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.05 | 16.26 ng | 289304 | 1,4-Dichlorobenzene-d4 | 7.26 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 50 |
| 2 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 23 |
| 3 | Butane | 58 | C4H10 | 000106-97-8 | 9 |
| 4 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 9 |
| 5 | 2-Hexanol, 2-methyl- | 116 | C7H16O | 000625-23-0 | 9 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022615\
Data File : BF077467.D
Acq On : 26 Feb 2015 16:11
Operator : TP/IZ
Sample : G1384-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 36A-NW-022515

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

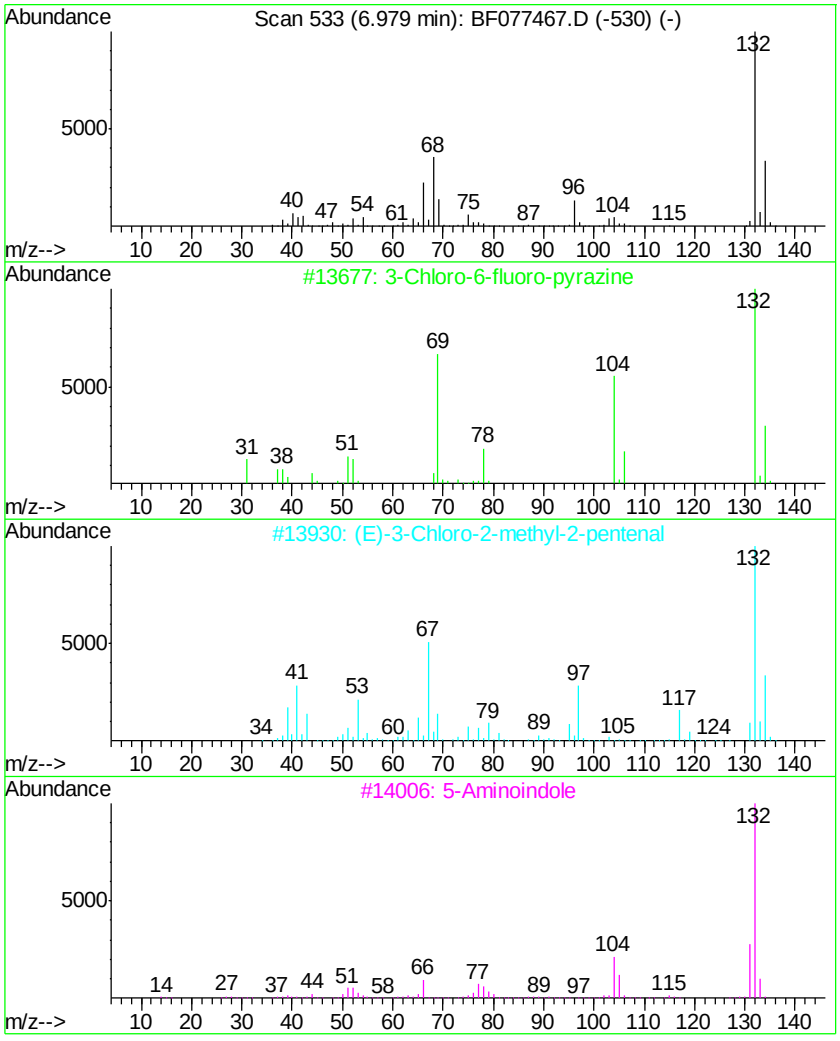
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

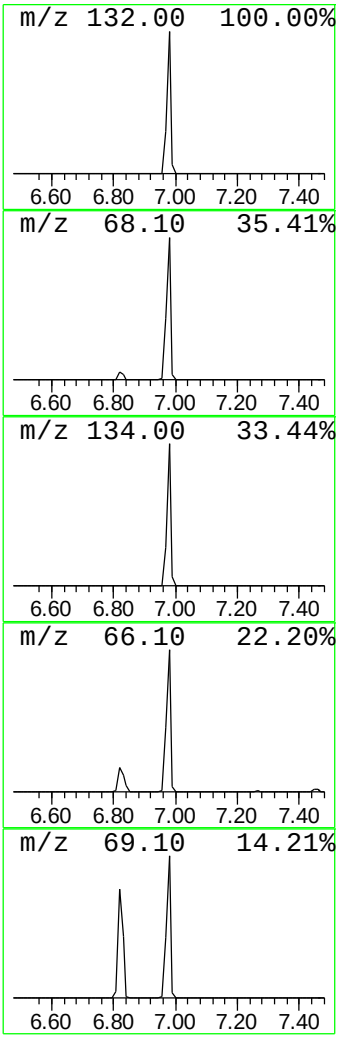
**********

Peak Number 6 unknown6.98 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.98 | 87.71 ng | 1560200 | 1,4-Dichlorobenzene-d4 | 7.26 |

| 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 | 25 |
| 3 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |
| 4 | Xenon | 132 | Xe | 007440-63-3 | 9 |
| 5 | 4-Chloro-6-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-01-6 | 9 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022615\
Data File : BF077467.D
Acq On : 26 Feb 2015 16:11
Operator : TP/IZ
Sample : G1384-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 36A-NW-022515

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

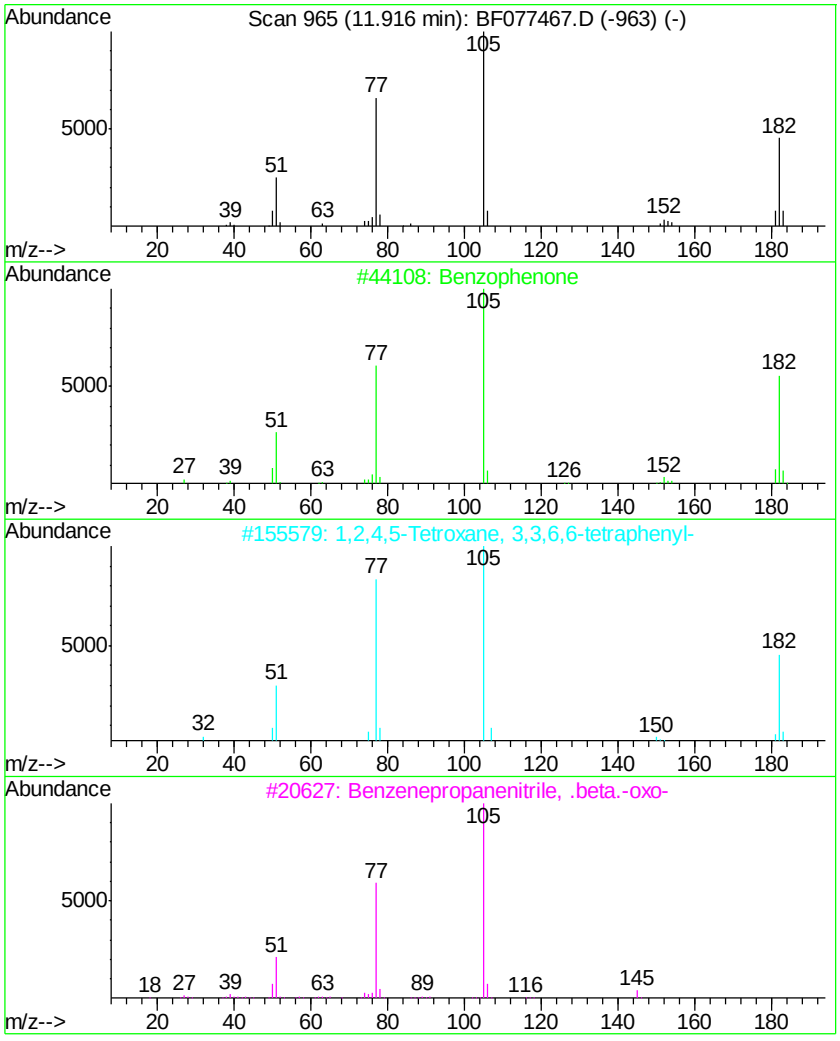
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

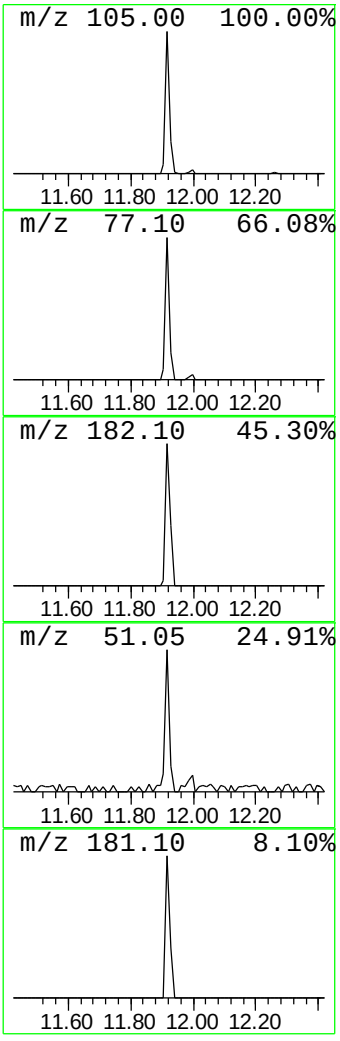
**********

Peak Number 8 Benzophenone Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.92 | 2.91 ng | 84286 | Acenaphthene-d10 | 11.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzophenone | 182 | C13H10O | 000119-61-9 | 96 |
| 2 | 1,2,4,5-Tetroxane, 3,3,6,6-tetra... | 396 | C26H20O4 | 016204-36-7 | 78 |
| 3 | Benzenepropanenitrile, .beta.-oxo- | 145 | C9H7NO | 000614-16-4 | 47 |
| 4 | Benzenebutanoic acid, .gamma.-oxo- | 178 | C10H10O3 | 002051-95-8 | 47 |
| 5 | Benzeneacetic acid, .alpha.-oxo-... | 164 | C9H8O3 | 015206-55-0 | 47 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022615\
Data File : BF077467.D
Acq On : 26 Feb 2015 16:11
Operator : TP/IZ
Sample : G1384-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 36A-NW-022515

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

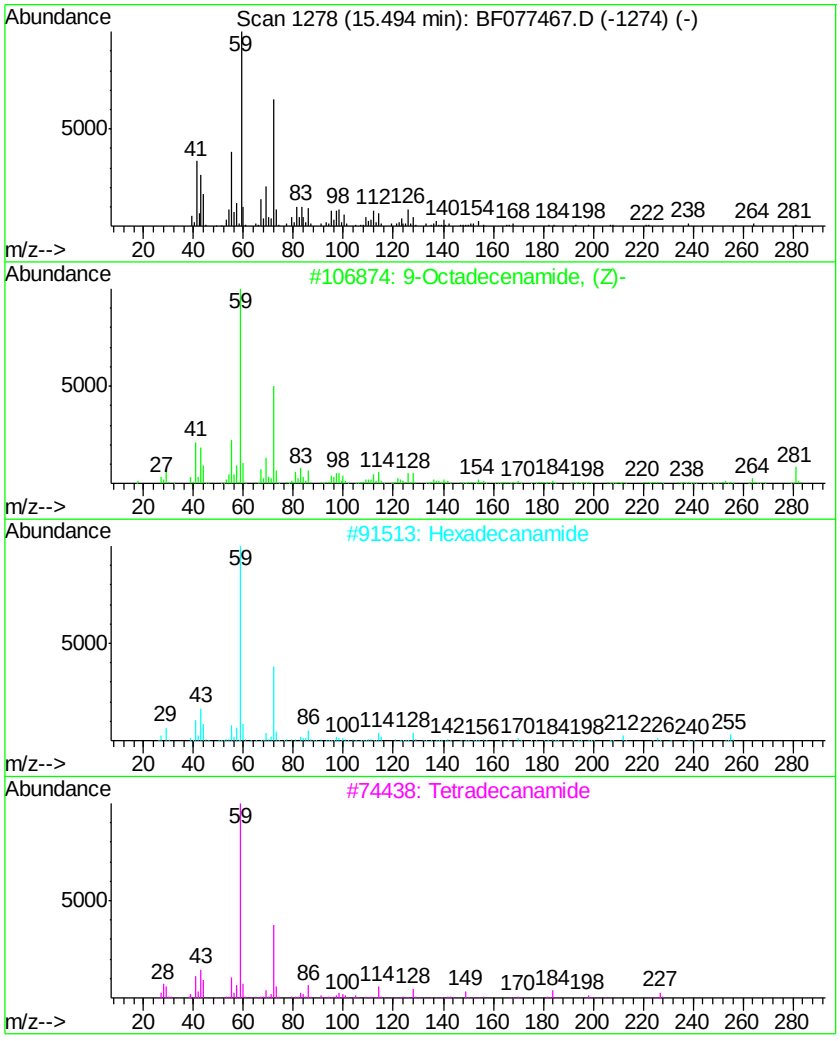
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

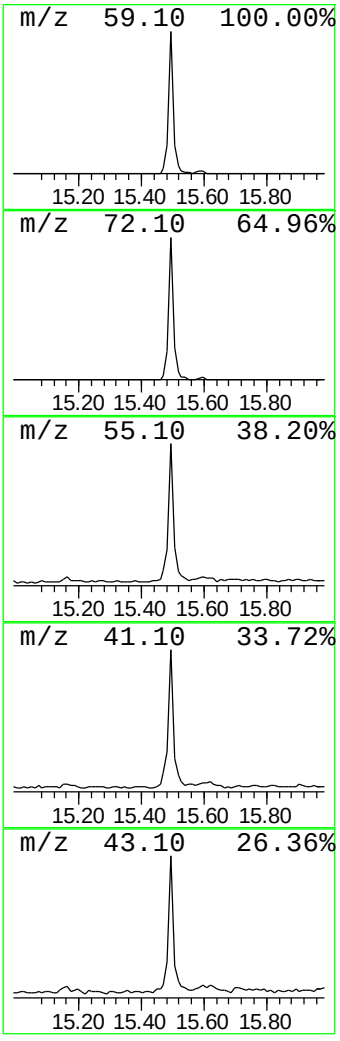
**********

Peak Number 9 9-Octadecenamide, (Z)- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.49 | 8.07 ng | 303724 | Chrysene-d12 | 16.15 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 78 |
| 2 | Hexadecanamide | 255 | C16H33NO | 000629-54-9 | 78 |
| 3 | Tetradecanamide | 227 | C14H29NO | 000638-58-4 | 72 |
| 4 | Decanamide- | 171 | C10H21NO | 002319-29-1 | 72 |
| 5 | Nonanamide | 157 | C9H19NO | 001120-07-6 | 64 |



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Data File : BF077467.D
Acq On : 26 Feb 2015 16:11
Operator : TP/IZ
Sample : G1384-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 36A-NW-022515

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

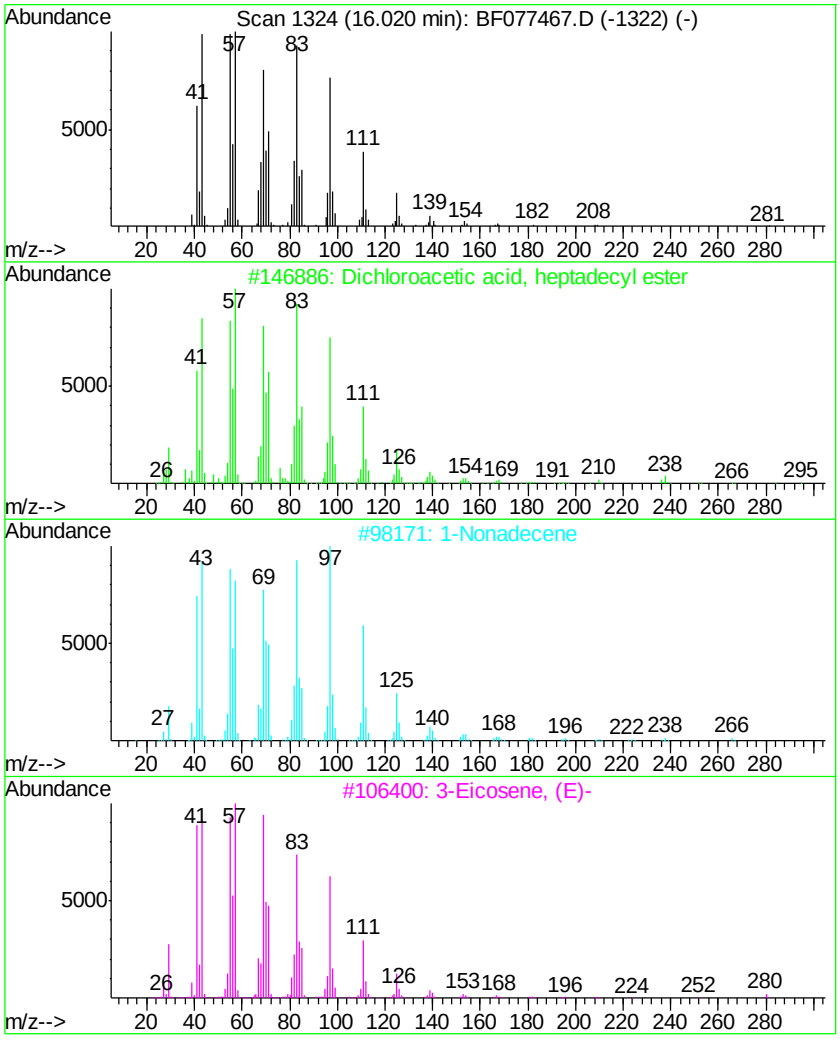
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

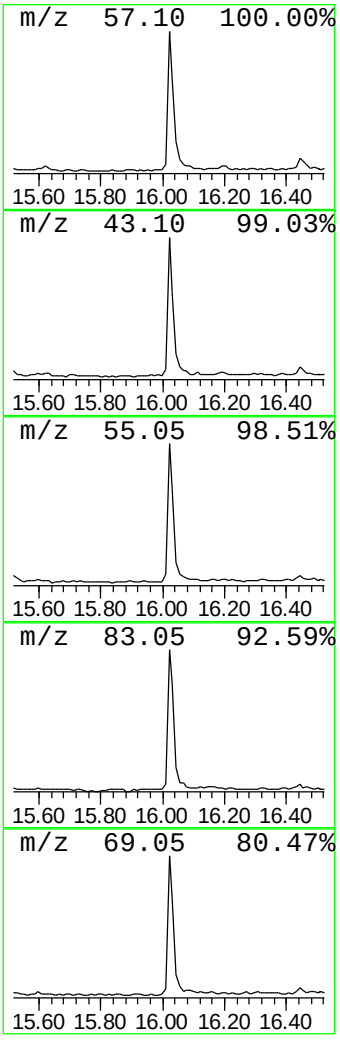
**********

Peak Number 10 Dichloroacetic acid, heptad... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.02 | 10.80 ng | 406229 | Chrysene-d12 | 16.15 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dichloroacetic acid, heptadecyl ... | 366 | C19H36Cl2O2 | 1000282-98-2 | 95 |
| 2 | 1-Nonadecene | 266 | C19H38 | 018435-45-5 | 91 |
| 3 | 3-Eicosene, (E)- | 280 | C20H40 | 074685-33-9 | 91 |
| 4 | 2- Chloropropionic acid, hexadec... | 332 | C19H37ClO2 | 086711-81-1 | 91 |
| 5 | 2- Chloropropionic acid, octadec... | 360 | C21H41ClO2 | 088104-31-8 | 91 |



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Sample : G1384-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 36A-NW-022515

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
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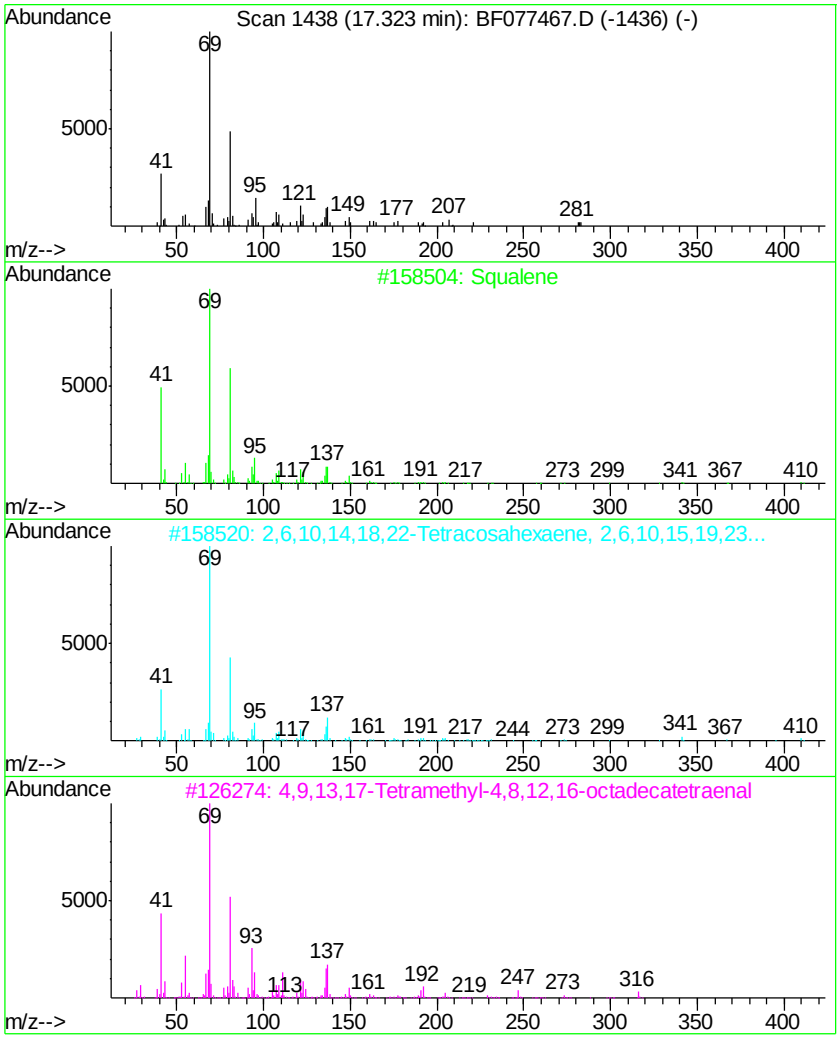
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

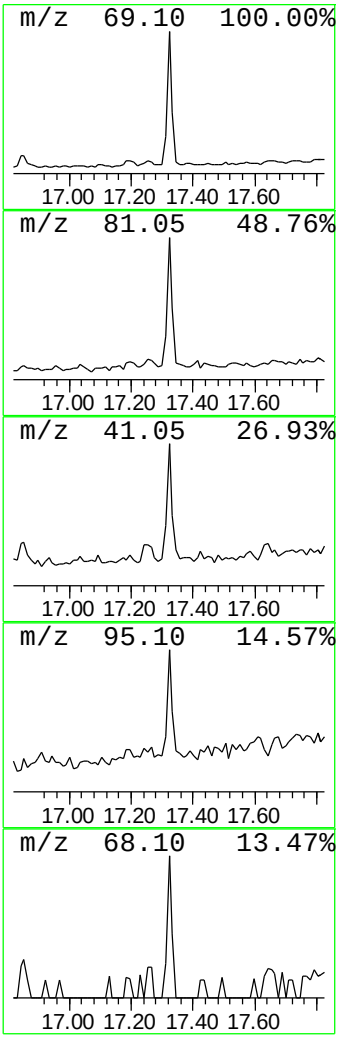
**********

Peak Number 11 Squalene Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.32 | 2.20 ng | 83054 | Perylene-d12 | 17.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Squalene | 410 | C30H50 | 007683-64-9 | 91 |
| 2 | 2,6,10,14,18,22-Tetracosahexaene... | 410 | C30H50 | 000111-02-4 | 91 |
| 3 | 4,9,13,17-Tetramethyl-4,8,12,16-... | 316 | C22H36O | 056882-09-8 | 83 |
| 4 | Propanoic acid, 2,2-dimethyl-, [... | 306 | C20H34O2 | 1000164-38-8 | 59 |
| 5 | 1,5-Heptadiene, 3,3,6-trimethyl- | 138 | C10H18 | 035387-63-4 | 50 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022615\
Data File : BF077467.D
Acq On : 26 Feb 2015 16:11
Operator : TP/IZ
Sample : G1384-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 36A-NW-022515

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

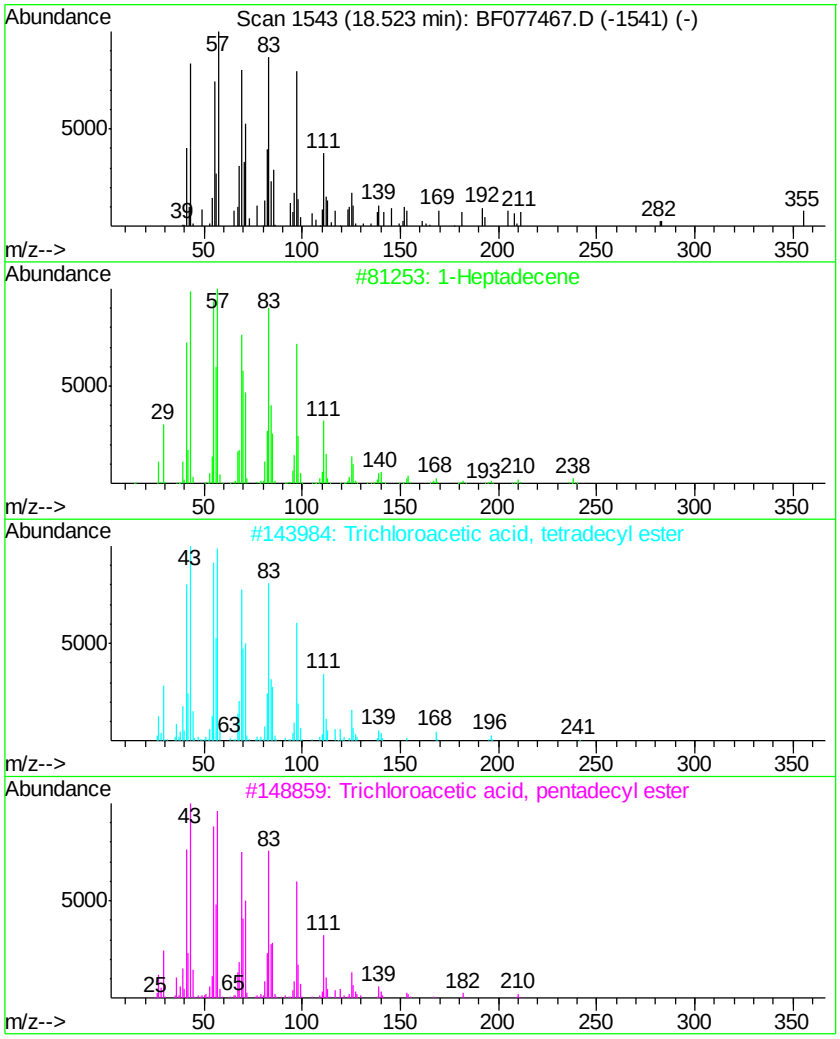
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

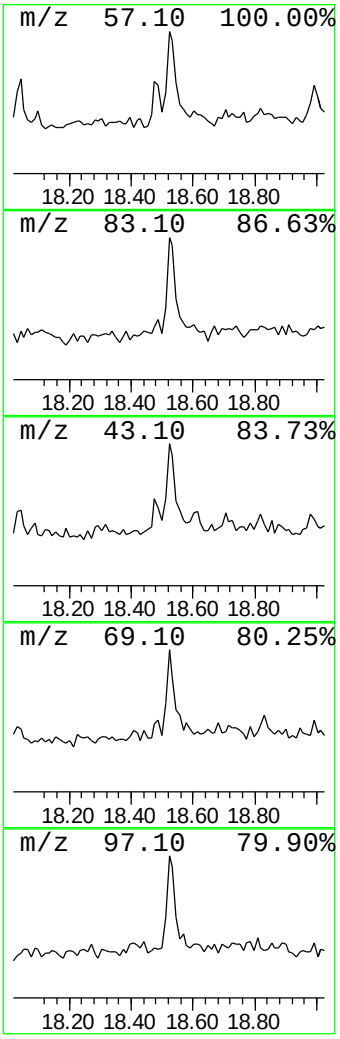
**********

Peak Number 12 1-Heptadecene Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.52 | 2.34 ng | 88344 | Perylene-d12 | 17.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Heptadecene | 238 | C17H34 | 006765-39-5 | 83 |
| 2 | Trichloroacetic acid, tetradecyl... | 358 | C16H29Cl3O2 | 074339-52-9 | 80 |
| 3 | Trichloroacetic acid, pentadecyl... | 372 | C17H31Cl3O2 | 074339-53-0 | 80 |
| 4 | 1-Docosene | 308 | C22H44 | 001599-67-3 | 70 |
| 5 | 1-Tetracosanol | 354 | C24H50O | 000506-51-4 | 64 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022615\
Data File : BF077467.D
Acq On : 26 Feb 2015 16:11
Operator : TP/IZ
Sample : G1384-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 36A-NW-022515

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 |
| Propane, 2,2-dime... | 1.42 | 257.4 | ng | 4578820 | 1 | 7.26 | 355748 | 20.0 |
| Butane, 2-methoxy... | 1.73 | 4.8 | ng | 84757 | 1 | 7.26 | 355748 | 20.0 |
| 2-Pentanone, 4-hy... | 5.05 | 16.3 | ng | 289304 | 1 | 7.26 | 355748 | 20.0 |
| unknown6.98 | 6.98 | 87.7 | ng | 1560200 | 1 | 7.26 | 355748 | 20.0 |
| Benzophenone | 11.92 | 2.9 | ng | 84286 | 3 | 11.01 | 579168 | 20.0 |
| 9-Octadecenamide,... | 15.49 | 8.1 | ng | 303724 | 5 | 16.15 | 752567 | 20.0 |
| Dichloroacetic ac... | 16.02 | 10.8 | ng | 406229 | 5 | 16.15 | 752567 | 20.0 |
| Squalene | 17.32 | 2.2 | ng | 83054 | 6 | 17.89 | 754680 | 20.0 |
| 1-Heptadecene | 18.52 | 2.3 | ng | 88344 | 6 | 17.89 | 754680 | 20.0 |