# LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071816\
Data File : BG023161.D
Acq On : 18 Jul 2016 15:16
Operator : UM/SJ
Sample : H4044-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** F9-B3(6-12)C

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_G\METHODS\8270-BG070816.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 | 3.017 | 25 | 30 | 47 | rVB | 4664400 | 6787327 | 91.87% | 12.296% |
| 2 | 5.185 | 393 | 399 | 405 | rBV | 136720 | 220011 | 2.98% | 0.399% |
| 3 | 5.661 | 473 | 480 | 488 | rBV | 1822275 | 2993448 | 40.52% | 5.423% |
| 4 | 7.265 | 745 | 753 | 761 | rBV | 2170447 | 3762687 | 50.93% | 6.816% |
| 5 | 7.635 | 806 | 816 | 821 | rBV | 1994059 | 3537022 | 47.87% | 6.408% |
| 6 | 7.676 | 821 | 823 | 833 | rVB | 387644 | 598106 | 8.10% | 1.084% |
| 7 | 8.105 | 890 | 896 | 905 | rVB | 462558 | 772948 | 10.46% | 1.400% |
| 8 | 8.434 | 942 | 952 | 964 | rVB | 1359209 | 2452559 | 33.20% | 4.443% |
| 9 | 9.274 | 1088 | 1095 | 1105 | rBV | 1356311 | 2492104 | 33.73% | 4.515% |
| 10 | 9.374 | 1107 | 1112 | 1118 | rBV6 | 42539 | 74826 | 1.01% | 0.136% |
| 11 | 10.925 | 1369 | 1376 | 1387 | rBV | 672825 | 1292317 | 17.49% | 2.341% |
| 12 | 13.364 | 1781 | 1791 | 1801 | rBV | 3643470 | 5705990 | 77.23% | 10.337% |
| 13 | 14.180 | 1923 | 1930 | 1936 | rBV | 582535 | 849679 | 11.50% | 1.539% |
| 14 | 14.738 | 2017 | 2025 | 2032 | rBV2 | 1208590 | 2001953 | 27.10% | 3.627% |
| 15 | 16.225 | 2271 | 2278 | 2284 | rBV | 3312352 | 5162986 | 69.88% | 9.353% |
| 16 | 16.413 | 2305 | 2310 | 2320 | rBV4 | 91267 | 182142 | 2.47% | 0.330% |
| 17 | 17.200 | 2439 | 2444 | 2450 | rBV2 | 81225 | 117959 | 1.60% | 0.214% |
| 18 | 17.476 | 2481 | 2491 | 2496 | rBV | 1562434 | 2375888 | 32.16% | 4.304% |
| 19 | 17.523 | 2496 | 2499 | 2504 | rVB | 95462 | 145545 | 1.97% | 0.264% |
| 20 | 17.835 | 2547 | 2552 | 2566 | rBV5 | 119318 | 260575 | 3.53% | 0.472% |
| 21 | 17.941 | 2566 | 2570 | 2574 | rVB | 65114 | 75021 | 1.02% | 0.136% |
| 22 | 18.340 | 2633 | 2638 | 2642 | rBV2 | 190930 | 288139 | 3.90% | 0.522% |
| 23 | 19.521 | 2834 | 2839 | 2844 | rVB | 142041 | 212800 | 2.88% | 0.386% |
| 24 | 19.879 | 2896 | 2900 | 2906 | rVB | 144321 | 209951 | 2.84% | 0.380% |
| 25 | 20.067 | 2926 | 2932 | 2939 | rBV | 5495153 | 7388165 | 100.00% | 13.384% |
| 26 | 21.360 | 3149 | 3152 | 3157 | rBV6 | 76040 | 115025 | 1.56% | 0.208% |
| 27 | 21.742 | 3210 | 3217 | 3223 | rBV2 | 1565201 | 2705209 | 36.62% | 4.901% |
| 28 | 25.020 | 3767 | 3775 | 3793 | rVB3 | 789649 | 2419416 | 32.75% | 4.383% |

Sum of corrected areas: 55199798

LSC Report - Integrated Chromatogram

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Data File : BG023161.D
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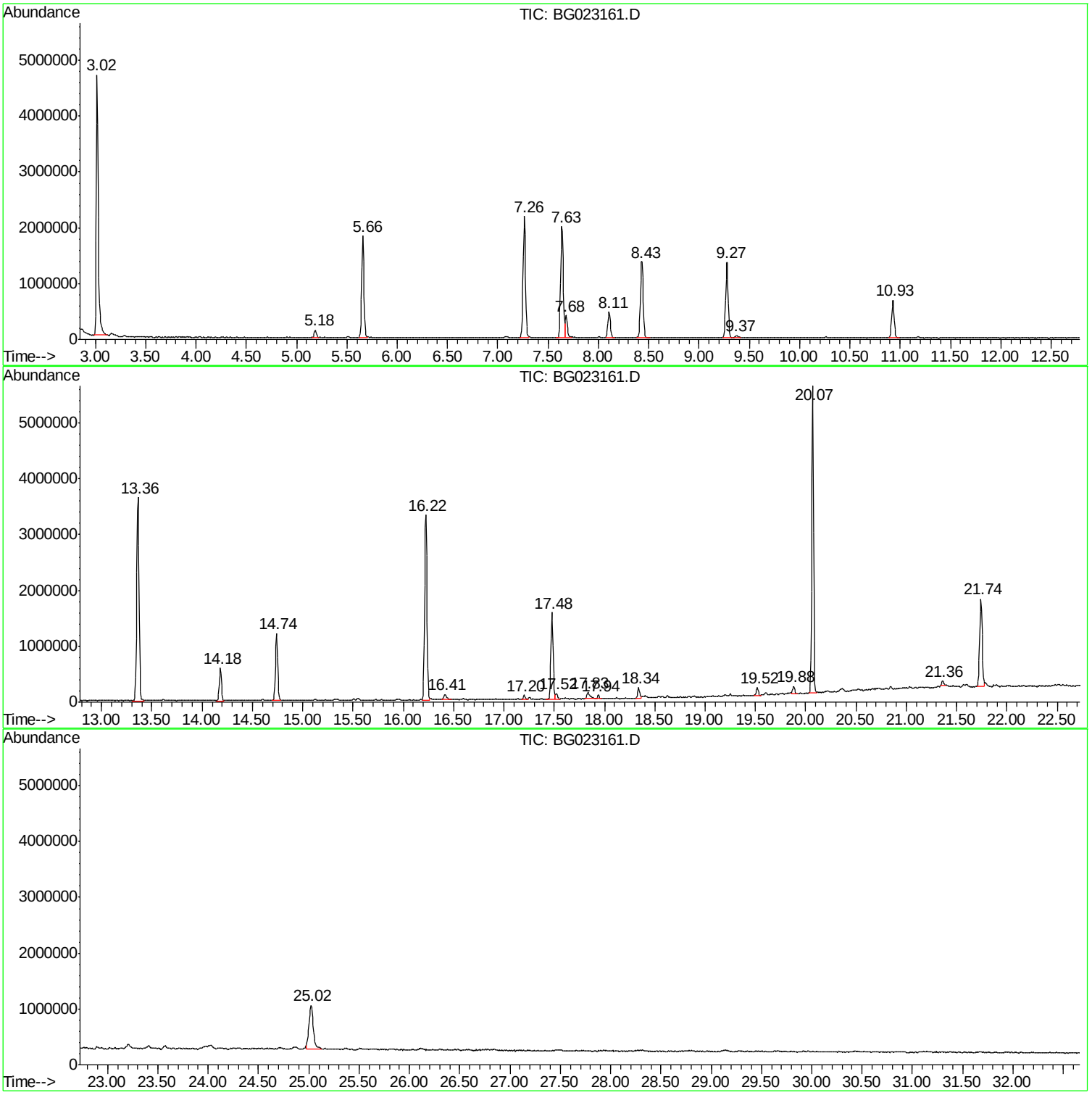
Operator : UM/SJ
Sample : H4044-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** F9-B3(6-12)C

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071816\
Data File : BG023161.D
Acq On : 18 Jul 2016 15:16
Operator : UM/SJ
Sample : H4044-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** F9-B3(6-12)C

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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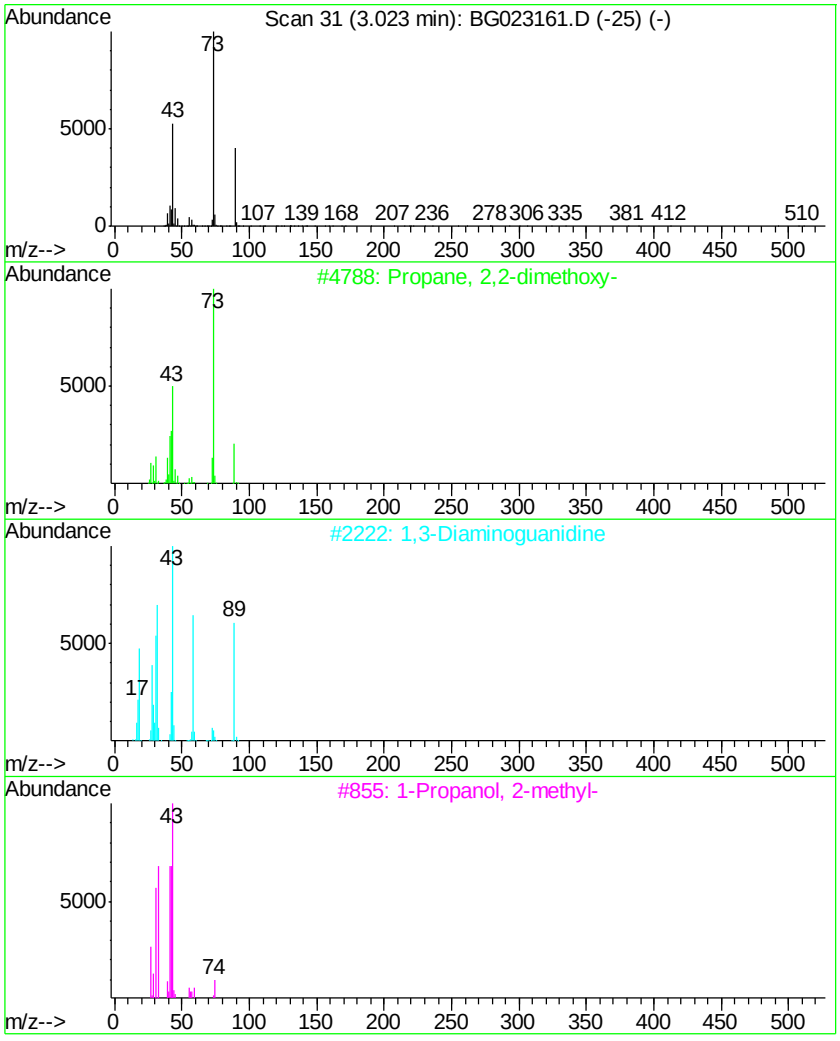
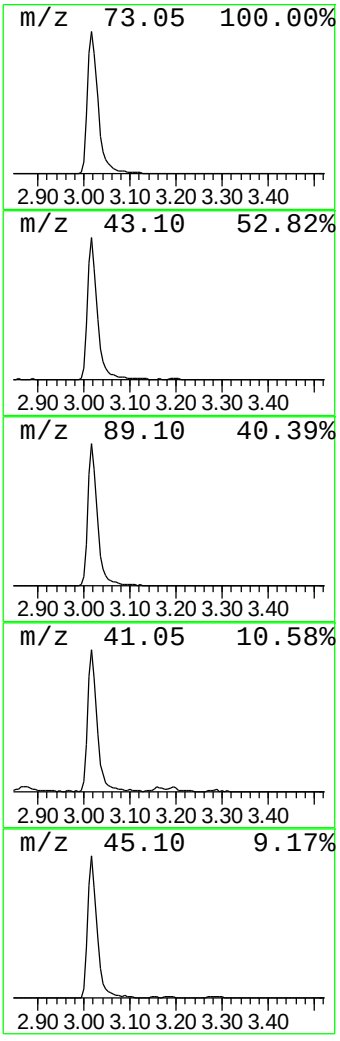
Peak Number 1 Propane, 2,2-dimethoxy- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.02 | 175.62 ng | 6787330 | 1,4-Dichlorobenzene-d4 | 8.11 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propane, 2,2-dimethoxy- | 104 | C5H12O2 | 000077-76-9 | 56 |
| 2 | 1,3-Diaminoguanidine | 89 | CH7N5 | 004364-78-7 | 25 |
| 3 | 1-Propanol, 2-methyl- | 74 | C4H10O | 000078-83-1 | 9 |
| 4 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |
| 5 | 2-Hydroxy-2-methylbutyric acid | 118 | C5H10O3 | 003739-30-8 | 9 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071816\
Data File : BG023161.D
Acq On : 18 Jul 2016 15:16
Operator : UM/SJ
Sample : H4044-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** F9-B3(6-12)C

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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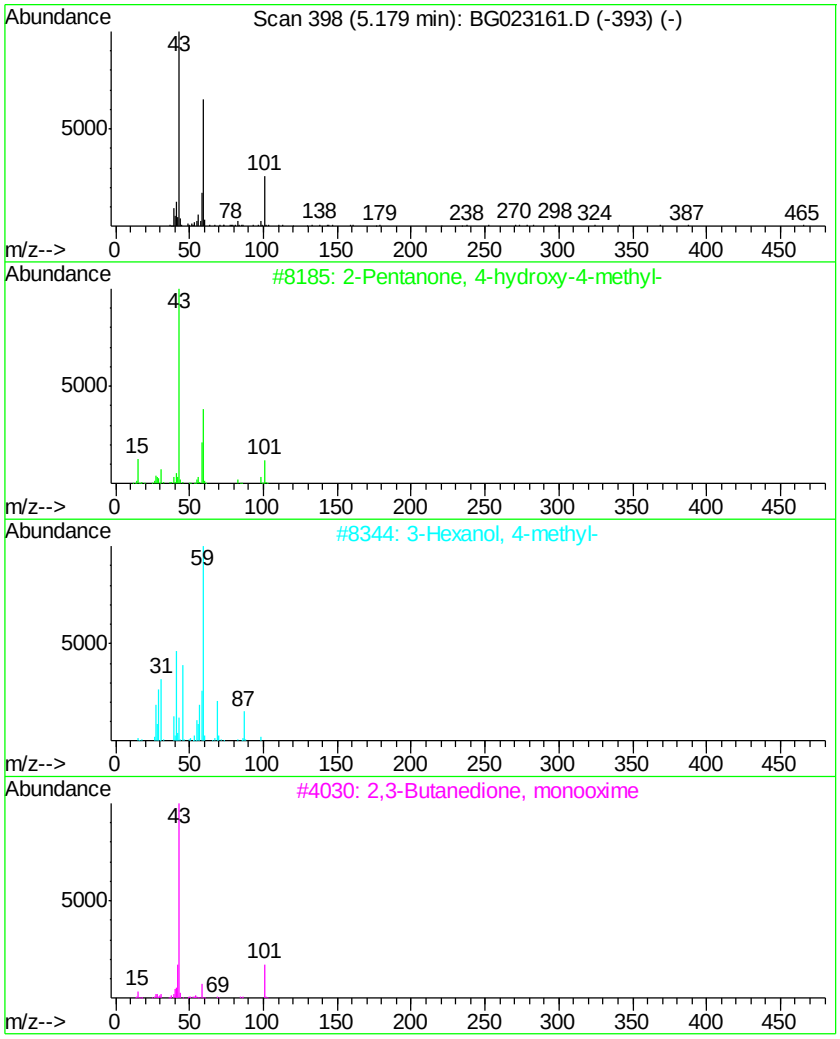
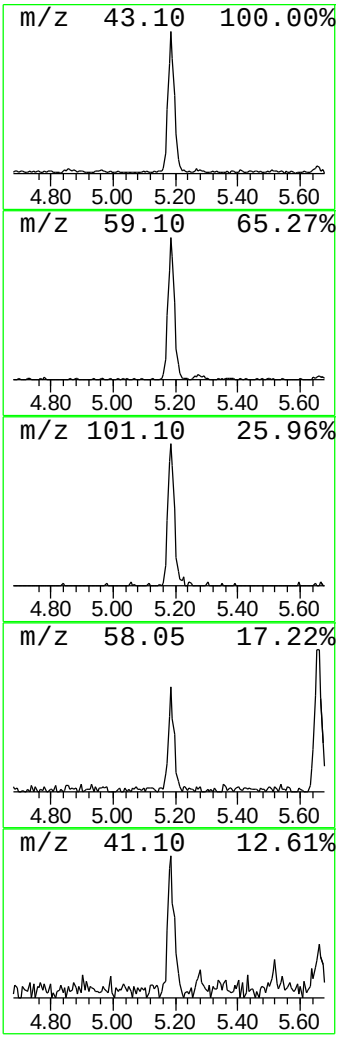
Peak Number 2 unknown5.18 Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.18 | 5.69 ng | 220011 | 1,4-Dichlorobenzene-d4 | 8.11 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 37 |
| 2 | 3-Hexanol, 4-methyl- | 116 | C7H16O | 000615-29-2 | 17 |
| 3 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 9 |
| 4 | Tetraglyme | 222 | C10H22O5 | 000143-24-8 | 9 |
| 5 | Hexanamide | 115 | C6H13NO | 000628-02-4 | 9 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071816\
Data File : BG023161.D
Acq On : 18 Jul 2016 15:16
Operator : UM/SJ
Sample : H4044-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** F9-B3(6-12)C

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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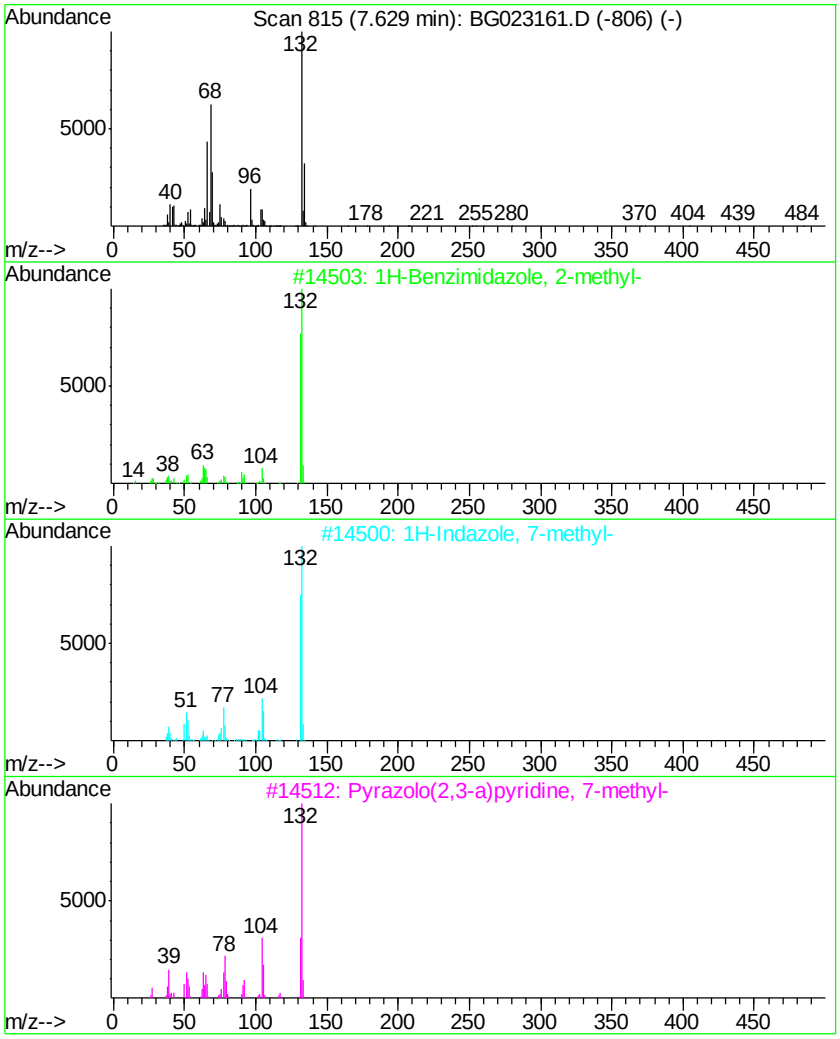
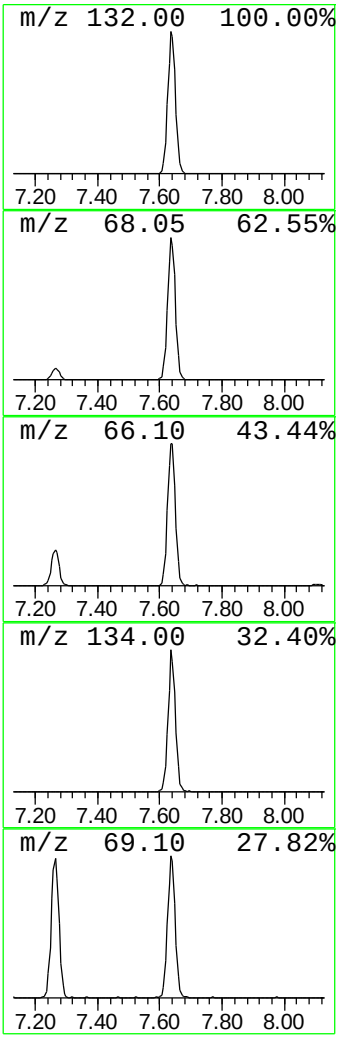
Peak Number 3 unknown7.63 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.63 | 91.52 ng | 3537020 | 1,4-Dichlorobenzene-d4 | 8.11 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Benzimidazole, 2-methyl- | 132 | C8H8N2 | 000615-15-6 | 14 |
| 2 | 1H-Indazole, 7-methyl- | 132 | C8H8N2 | 1000316-00-7 | 10 |
| 3 | Pyrazolo(2,3-a)pyridine, 7-methyl- | 132 | C8H8N2 | 034760-58-2 | 10 |
| 4 | Cyclopropanamine, 1-phenyl- | 133 | C9H11N | 1000351-26-2 | 10 |
| 5 | 1,2,3-Trifluorobenzene | 132 | C6H3F3 | 001489-53-8 | 9 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071816\
Data File : BG023161.D
Acq On : 18 Jul 2016 15:16
Operator : UM/SJ
Sample : H4044-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** F9-B3(6-12)C

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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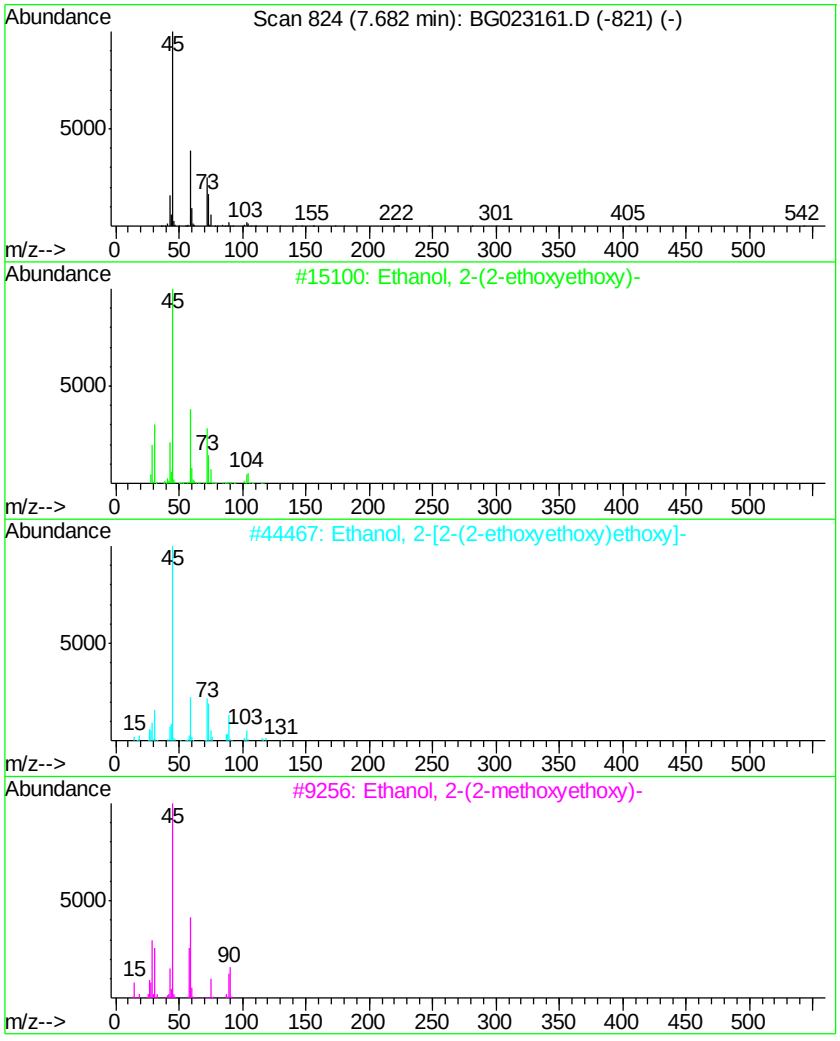
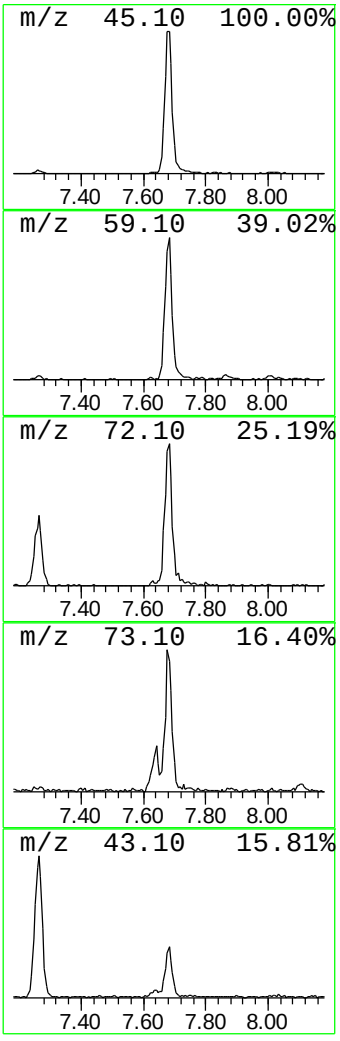
Peak Number 4 Ethanol, 2-(2-ethoxyethoxy)- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.68 | 15.48 ng | 598106 | 1,4-Dichlorobenzene-d4 | 8.11 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol, 2-(2-ethoxyethoxy)- | 134 | C6H14O3 | 000111-90-0 | 78 |
| 2 | Ethanol, 2-[2-(2-ethoxyethoxy)et... | 178 | C8H18O4 | 000112-50-5 | 64 |
| 3 | Ethanol, 2-(2-methoxyethoxy)- | 120 | C5H12O3 | 000111-77-3 | 42 |
| 4 | 1-Propanol, 2-ethoxy- | 104 | C5H12O2 | 019089-47-5 | 42 |
| 5 | 2-Propanol, 1-(1-methylethoxy)- | 118 | C6H14O2 | 003944-36-3 | 38 |



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Data File : BG023161.D
Acq On : 18 Jul 2016 15:16
Operator : UM/SJ
Sample : H4044-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** F9-B3(6-12)C

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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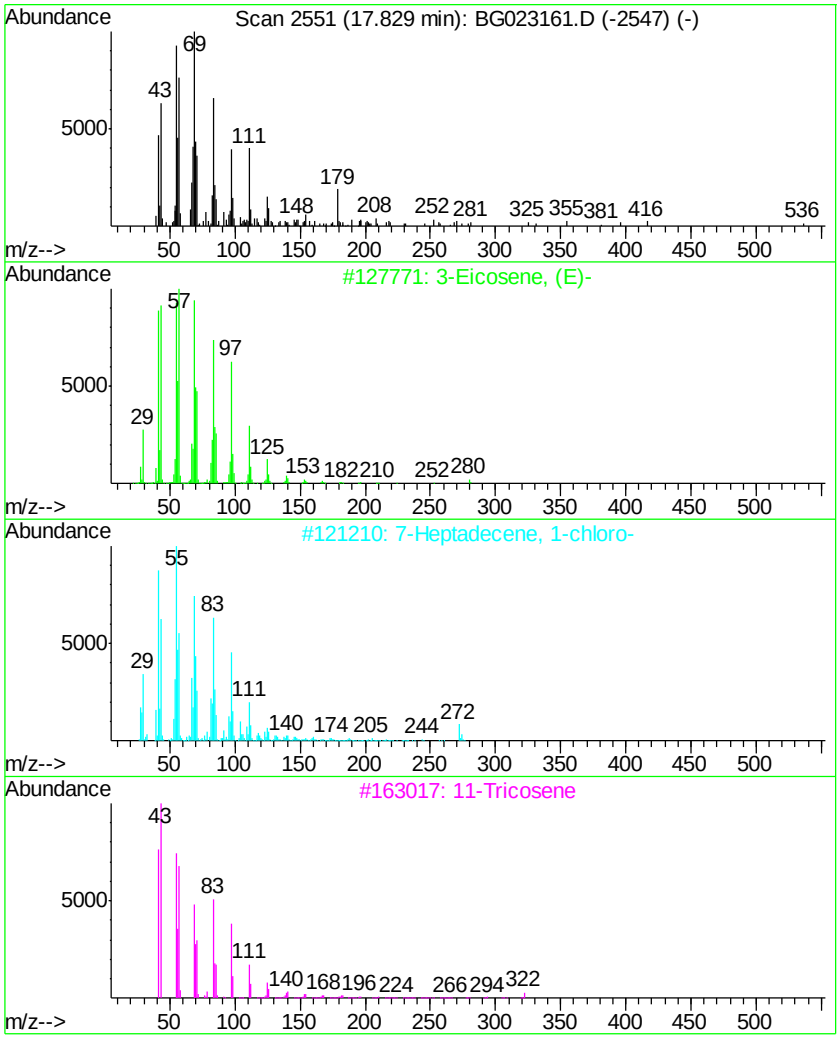
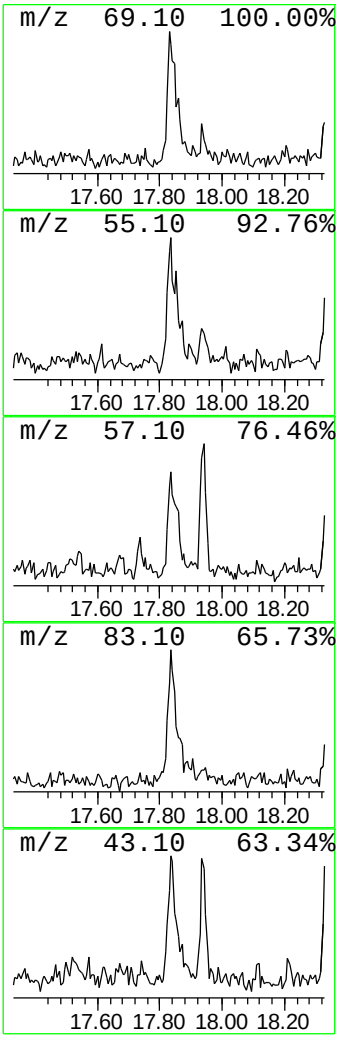
Peak Number 6 3-Eicosene, (E)- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.83 | 2.19 ng | 260575 | Phenanthrene-d10 | 17.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Eicosene, (E)- | 280 | C20H40 | 074685-33-9 | 86 |
| 2 | 7-Heptadecene, 1-chloro- | 272 | C17H33Cl | 056554-78-0 | 80 |
| 3 | 11-Tricosene | 322 | C23H46 | 052078-56-5 | 80 |
| 4 | Cyclotetradecane | 196 | C14H28 | 000295-17-0 | 80 |
| 5 | Cyclopentane, (2-methylpropyl)- | 126 | C9H18 | 003788-32-7 | 58 |



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ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
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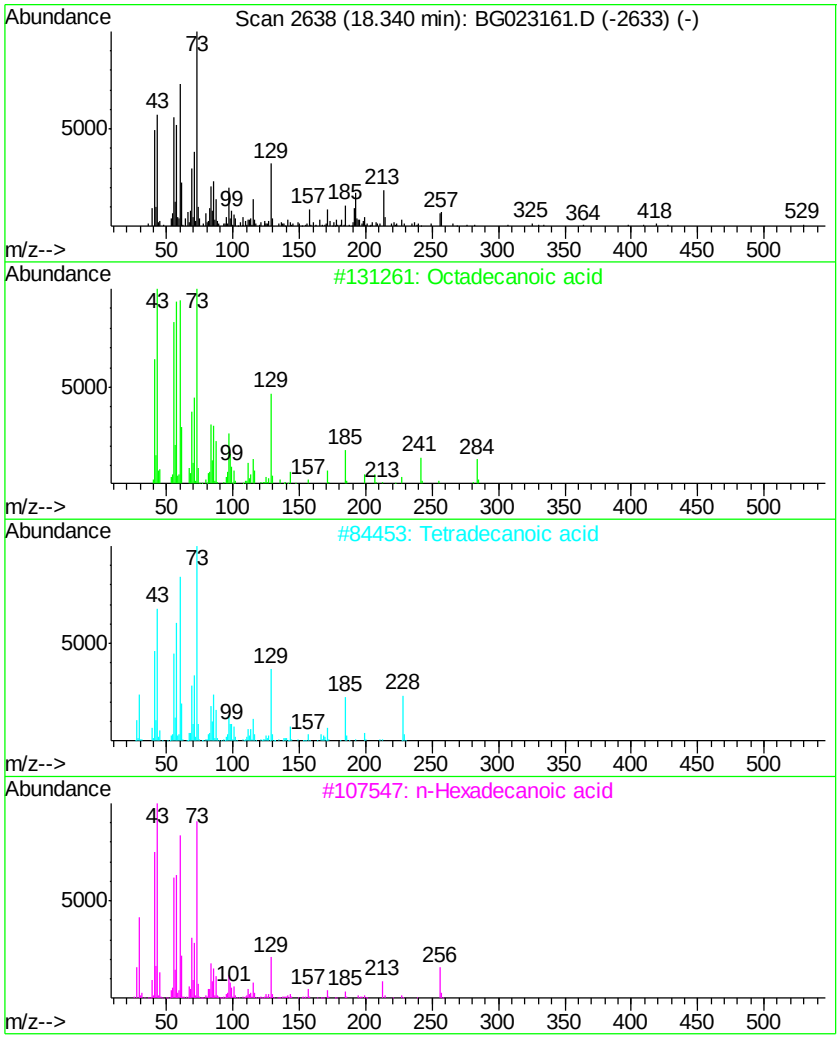
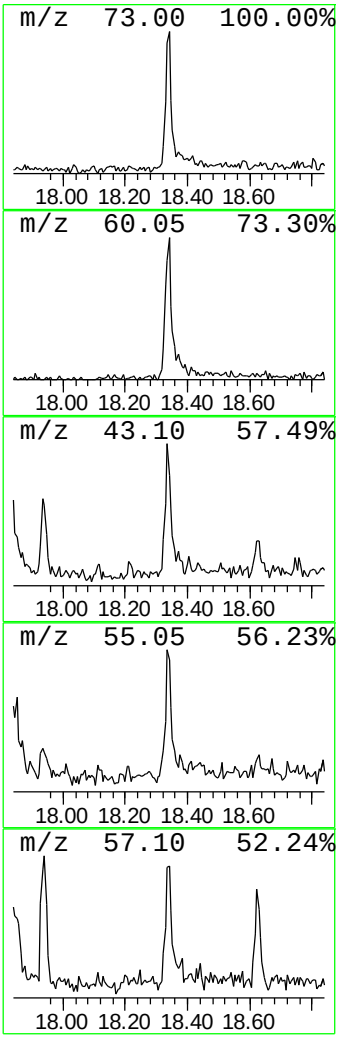
**********

Peak Number 7 Octadecanoic acid Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.34 | 2.43 ng | 288139 | Phenanthrene-d10 | 17.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 83 |
| 2 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 80 |
| 3 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 64 |
| 4 | Undecanoic acid | 186 | C11H22O2 | 000112-37-8 | 59 |
| 5 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 58 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071816\
Data File : BG023161.D
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Operator : UM/SJ
Sample : H4044-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** F9-B3(6-12)C

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Propane, 2,2-dime... | 3.02 | 175.6 | ng | 6787330 | 1 | 8.11 | 772948 | 20.0 |
| unknown5.18 | 5.18 | 5.7 | ng | 220011 | 1 | 8.11 | 772948 | 20.0 |
| unknown7.63 | 7.63 | 91.5 | ng | 3537020 | 1 | 8.11 | 772948 | 20.0 |
| Ethanol, 2-(2-eth... | 7.68 | 15.5 | ng | 598106 | 1 | 8.11 | 772948 | 20.0 |
| 3-Eicosene, (E)- | 17.83 | 2.2 | ng | 260575 | 4 | 17.48 | 2375890 | 20.0 |
| Octadecanoic acid | 18.34 | 2.4 | ng | 288139 | 4 | 17.48 | 2375890 | 20.0 |