LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050915\
Data File : BG017006.D
Acq On : 10 May 2015 1:00
Operator : TP/IZ
Sample : G2104-04
Misc :
ALS Vial : 51 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** MW-104

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-BG050515.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 | 2.918 | 34 | 39 | 47 | rBV | 310523 | 483526 | 9.06% | 1.648% |
| 2 | 2.988 | 47 | 51 | 64 | rVB | 650558 | 838060 | 15.70% | 2.857% |
| 3 | 4.909 | 372 | 378 | 386 | rBV | 52828 | 80717 | 1.51% | 0.275% |
| 4 | 5.374 | 451 | 457 | 464 | rBV | 655290 | 937707 | 17.57% | 3.197% |
| 5 | 6.954 | 719 | 726 | 737 | rBV | 472612 | 766110 | 14.35% | 2.612% |
| 6 | 7.324 | 780 | 789 | 797 | rBV | 1220992 | 1919004 | 35.95% | 6.542% |
| 7 | 7.788 | 862 | 868 | 874 | rBV | 355764 | 551136 | 10.32% | 1.879% |
| 8 | 8.112 | 915 | 923 | 931 | rVB | 931323 | 1512743 | 28.34% | 5.157% |
| 9 | 8.946 | 1057 | 1065 | 1073 | rBV | 963276 | 1567471 | 29.36% | 5.344% |
| 10 | 10.579 | 1336 | 1343 | 1350 | rBV | 520911 | 863372 | 16.17% | 2.943% |
| 11 | 12.783 | 1712 | 1718 | 1725 | rBV | 150166 | 224361 | 4.20% | 0.765% |
| 12 | 13.053 | 1754 | 1764 | 1770 | rBV | 2293284 | 3719900 | 69.68% | 12.682% |
| 13 | 14.428 | 1990 | 1998 | 2007 | rBV2 | 853409 | 1279912 | 23.98% | 4.363% |
| 14 | 15.250 | 2131 | 2138 | 2146 | rVB | 235489 | 335600 | 6.29% | 1.144% |
| 15 | 15.785 | 2226 | 2229 | 2234 | rVB | 59744 | 73917 | 1.38% | 0.252% |
| 16 | 15.914 | 2245 | 2251 | 2260 | rBV | 2266402 | 3179874 | 59.57% | 10.841% |
| 17 | 17.172 | 2459 | 2465 | 2471 | rVB2 | 1096362 | 1571474 | 29.44% | 5.357% |
| 18 | 18.065 | 2613 | 2617 | 2625 | rBV2 | 177568 | 249291 | 4.67% | 0.850% |
| 19 | 19.345 | 2831 | 2835 | 2842 | rBV2 | 111708 | 156479 | 2.93% | 0.533% |
| 20 | 19.798 | 2906 | 2912 | 2917 | rBV | 4318324 | 5338392 | 100.00% | 18.200% |
| 21 | 21.055 | 3122 | 3126 | 3136 | rBV | 236424 | 339429 | 6.36% | 1.157% |
| 22 | 21.343 | 3170 | 3175 | 3181 | rBV | 1310346 | 1696061 | 31.77% | 5.782% |
| 23 | 23.640 | 3557 | 3566 | 3578 | rVB | 844819 | 1647874 | 30.87% | 5.618% |

Sum of corrected areas: 29332410

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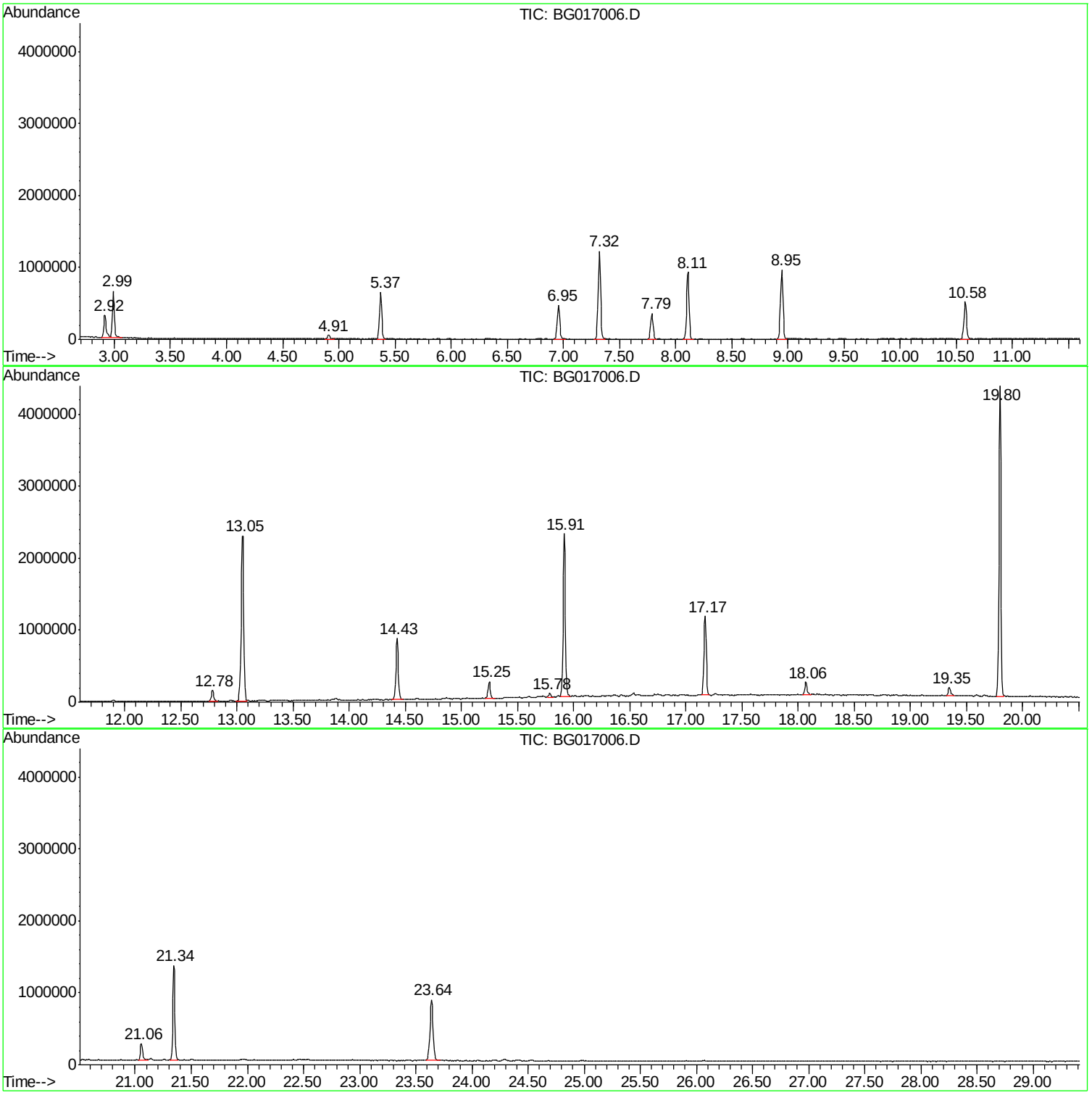
Misc :
ALS Vial : 51 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
MW-104

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG050515.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_G\DATA\BG050915\
Data File : BG017006.D
Acq On : 10 May 2015 1:00
Operator : TP/IZ
Sample : G2104-04
Misc :
ALS Vial : 51 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** MW-104

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG050515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

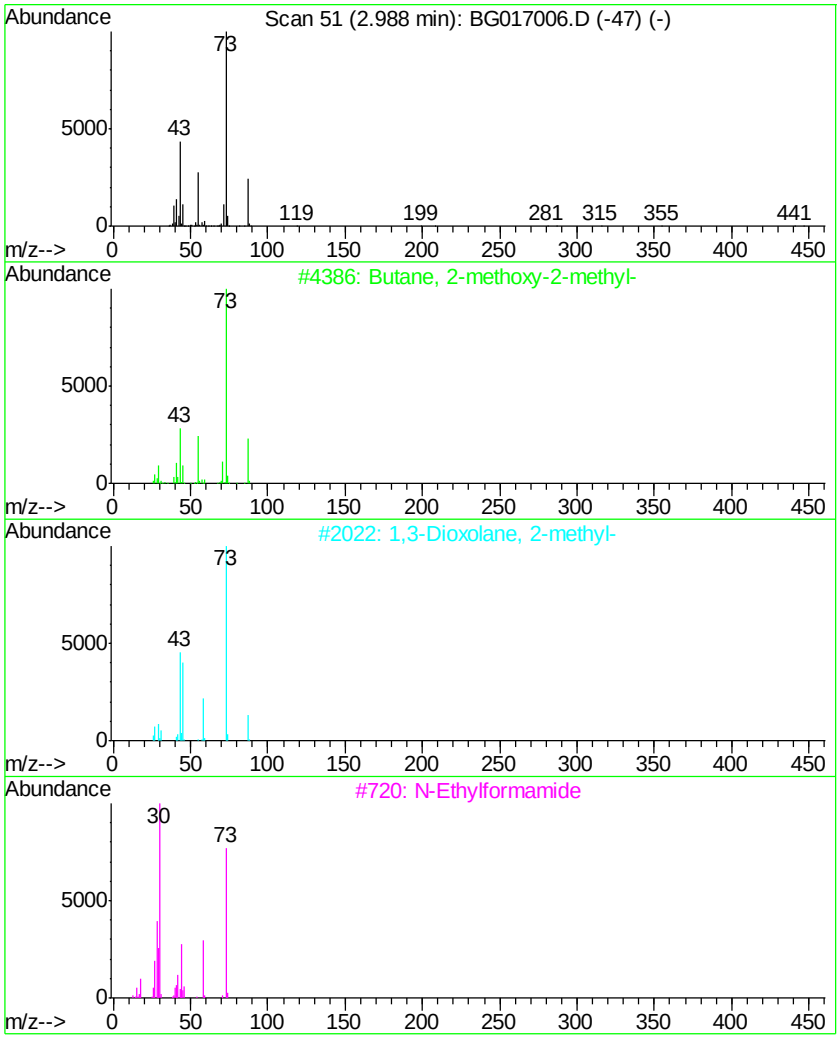
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

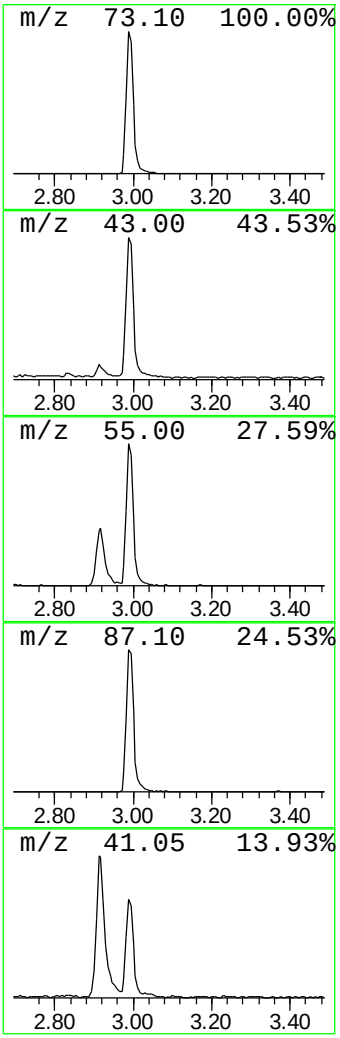
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.99 | 30.41 ng | 838060 | 1,4-Dichlorobenzene-d4 | 7.79 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 78 |
| 2 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 23 |
| 3 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |
| 4 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 9 |
| 5 | 1-Propene-1-thiol | 74 | C3H6S | 000925-89-3 | 9 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050915\
Data File : BG017006.D
Acq On : 10 May 2015 1:00
Operator : TP/IZ
Sample : G2104-04
Misc :
ALS Vial : 51 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** MW-104

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG050515.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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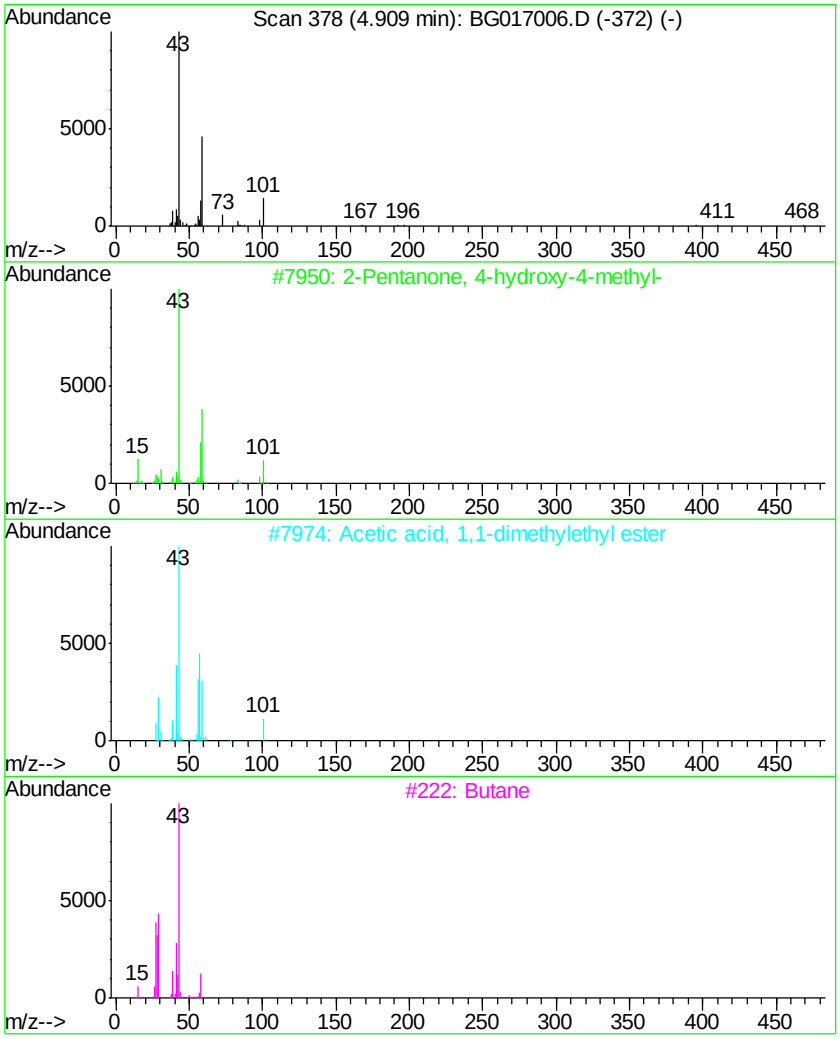
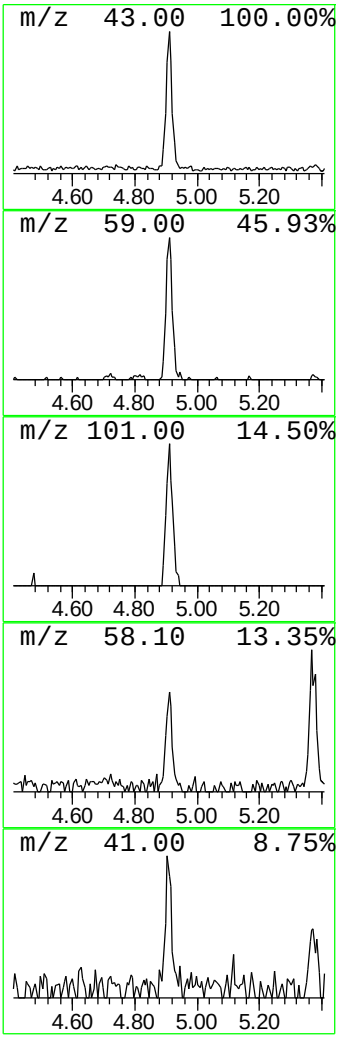
Peak Number 3 unknown4.91 Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.91 | 2.93 ng | 80717 | 1,4-Dichlorobenzene-d4 | 7.79 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 45 |
| 2 | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 36 |
| 3 | Butane | 58 | C4H10 | 000106-97-8 | 9 |
| 4 | 5-Hexen-2-one | 98 | C6H10O | 000109-49-9 | 9 |
| 5 | Diacetamide | 101 | C4H7NO2 | 000625-77-4 | 9 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050915\
Data File : BG017006.D
Acq On : 10 May 2015 1:00
Operator : TP/IZ
Sample : G2104-04
Misc :
ALS Vial : 51 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** MW-104

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG050515.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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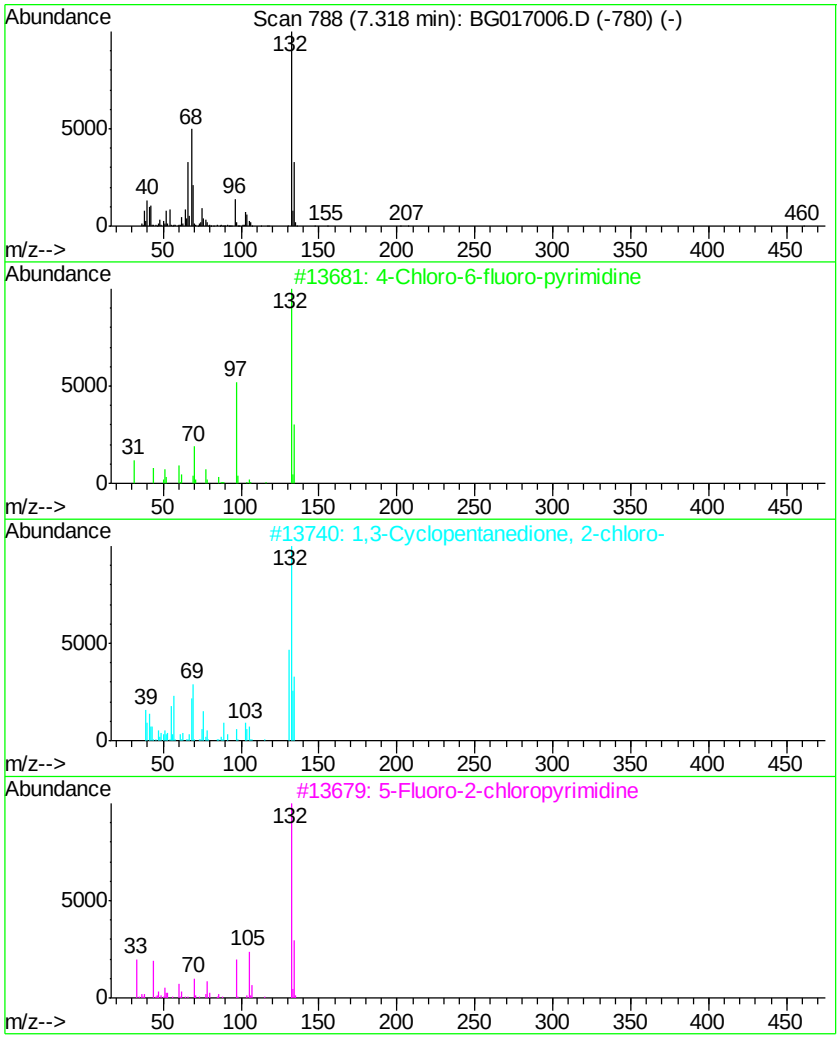
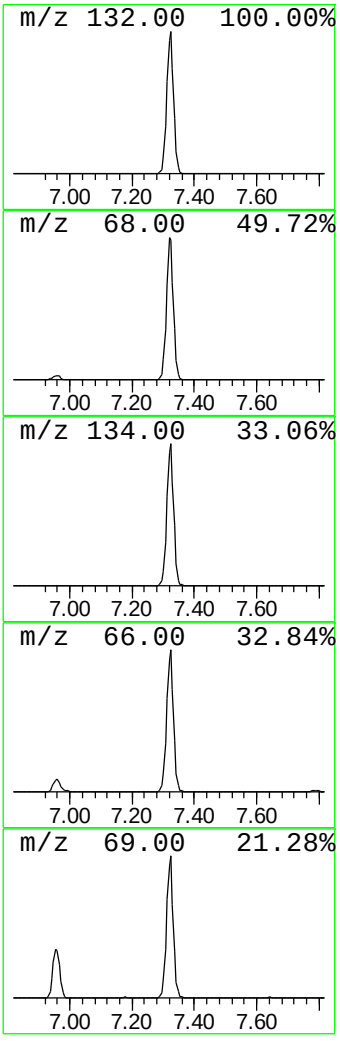
Peak Number 4 unknown7.32 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.32 | 69.64 ng | 1919000 | 1,4-Dichlorobenzene-d4 | 7.79 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Chloro-6-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-01-6 | 27 |
| 2 | 1,3-Cyclopentanedione, 2-chloro- | 132 | C5H5ClO2 | 014203-19-1 | 20 |
| 3 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 16 |
| 4 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 12 |
| 5 | 1H-Benzimidazole, 2-methyl- | 132 | C8H8N2 | 000615-15-6 | 12 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050915\
Data File : BG017006.D
Acq On : 10 May 2015 1:00
Operator : TP/IZ
Sample : G2104-04
Misc :
ALS Vial : 51 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** MW-104

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG050515.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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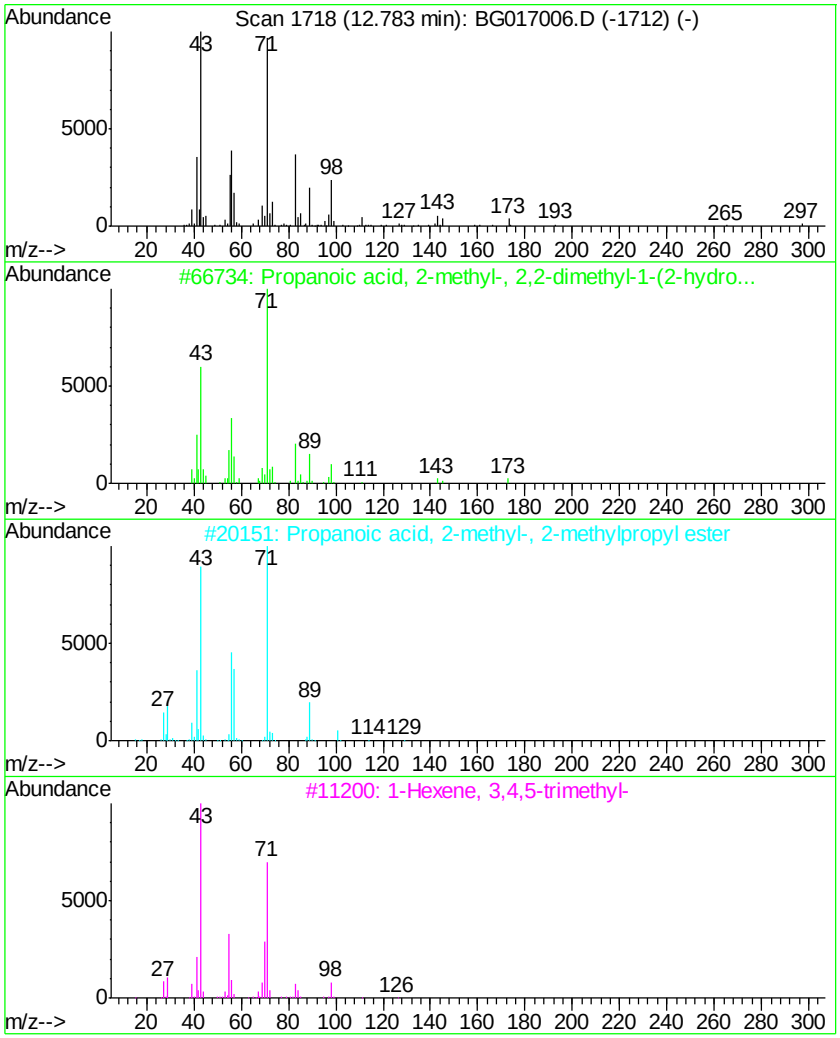
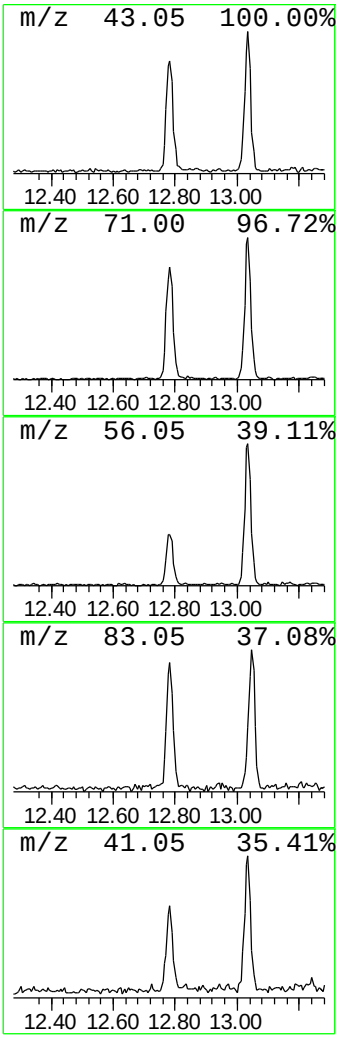
Peak Number 6 Propanoic acid, 2-methyl-, ... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.78 | 3.51 ng | 224361 | Acenaphthene-d10 | 14.43 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propanoic acid, 2-methyl-, 2,2-d... | 216 | C12H24O3 | 074367-33-2 | 72 |
| 2 | Propanoic acid, 2-methyl-, 2-met... | 144 | C8H16O2 | 000097-85-8 | 50 |
| 3 | 1-Hexene, 3,4,5-trimethyl- | 126 | C9H18 | 056728-10-0 | 43 |
| 4 | Propanoic acid, 2-methyl-, butyl... | 144 | C8H16O2 | 000097-87-0 | 40 |
| 5 | Butanoic acid, 1-methyloctyl ester | 214 | C13H26O2 | 069727-42-0 | 38 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050915\
Data File : BG017006.D
Acq On : 10 May 2015 1:00
Operator : TP/IZ
Sample : G2104-04
Misc :
ALS Vial : 51 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** MW-104

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG050515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

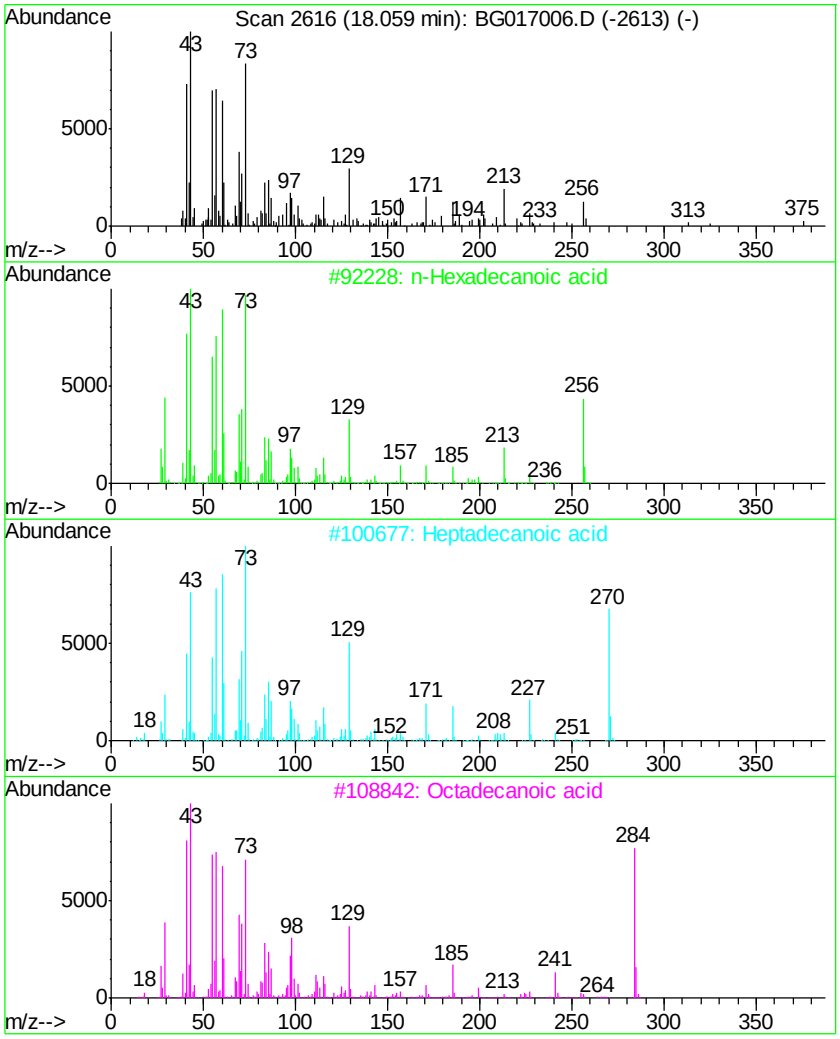
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

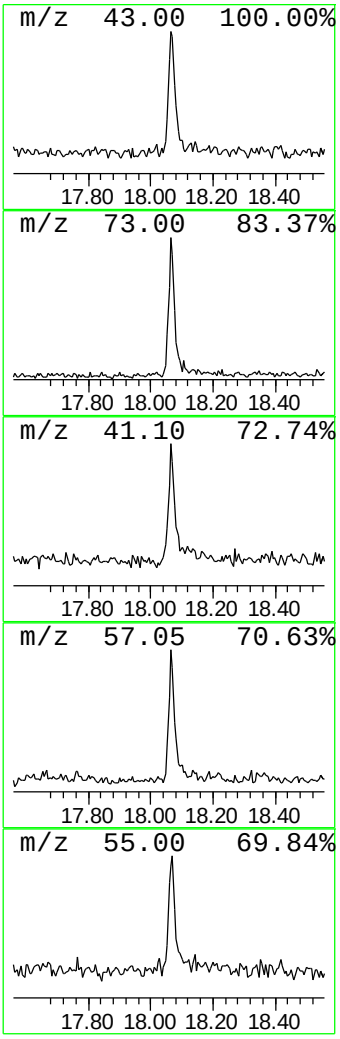
**********

Peak Number 7 n-Hexadecanoic acid Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.06 | 3.17 ng | 249291 | Phenanthrene-d10 | 17.17 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 95 |
| 2 | Heptadecanoic acid | 270 | C17H34O2 | 000506-12-7 | 94 |
| 3 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 93 |
| 4 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 89 |
| 5 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 68 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050915\
Data File : BG017006.D
Acq On : 10 May 2015 1:00
Operator : TP/IZ
Sample : G2104-04
Misc :
ALS Vial : 51 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** MW-104

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG050515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

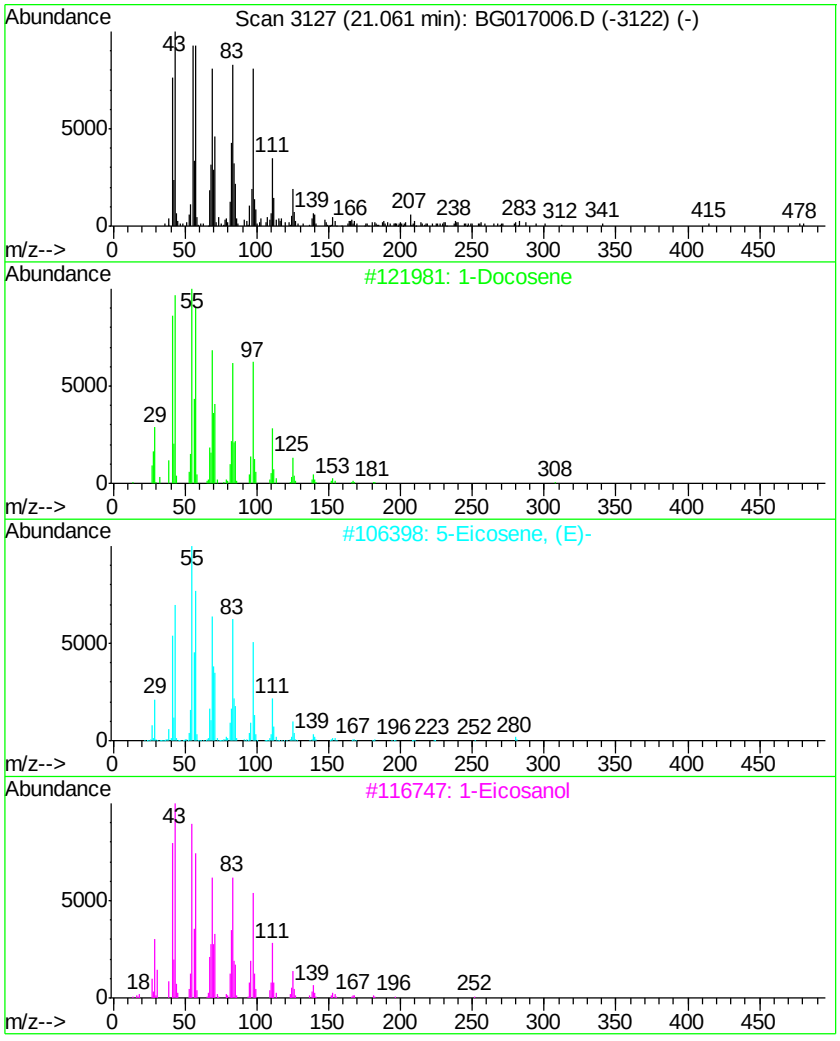
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

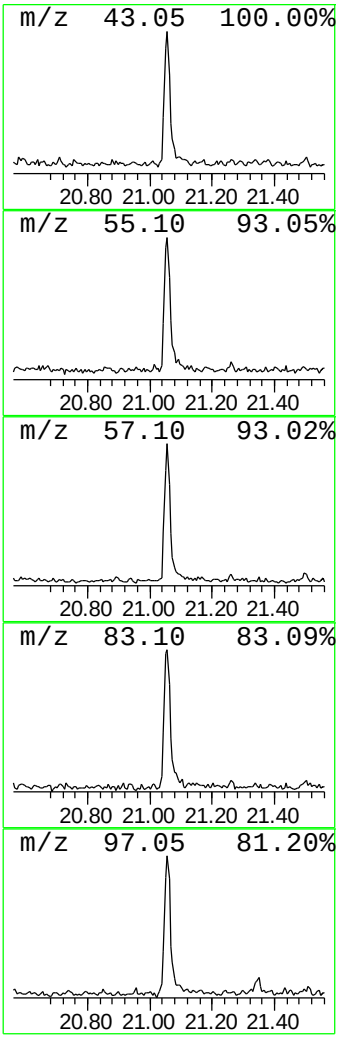
**********

Peak Number 8 1-Docosene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.06 | 4.00 ng | 339429 | Chrysene-d12 | 21.34 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Docosene | 308 | C22H44 | 001599-67-3 | 96 |
| 2 | 5-Eicosene, (E)- | 280 | C20H40 | 074685-30-6 | 96 |
| 3 | 1-Eicosanol | 298 | C20H42O | 000629-96-9 | 94 |
| 4 | Cyclohexadecane, 1,2-diethyl- | 280 | C20H40 | 1000155-85-3 | 93 |
| 5 | 9-Eicosene, (E)- | 280 | C20H40 | 074685-29-3 | 93 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050915\
Data File : BG017006.D
Acq On : 10 May 2015 1:00
Operator : TP/IZ
Sample : G2104-04
Misc :
ALS Vial : 51 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** MW-104

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG050515.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 |
| Butane, 2-methoxy... | 2.99 | 30.4 | ng | 838060 | 1 | 7.79 | 551136 | 20.0 |
| unknown4.91 | 4.91 | 2.9 | ng | 80717 | 1 | 7.79 | 551136 | 20.0 |
| unknown7.32 | 7.32 | 69.6 | ng | 1919000 | 1 | 7.79 | 551136 | 20.0 |
| Propanoic acid, 2... | 12.78 | 3.5 | ng | 224361 | 3 | 14.43 | 1279910 | 20.0 |
| n-Hexadecanoic acid | 18.06 | 3.2 | ng | 249291 | 4 | 17.17 | 1571470 | 20.0 |
| 1-Docosene | 21.06 | 4.0 | ng | 339429 | 5 | 21.34 | 1696060 | 20.0 |