LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110316\
Data File : BG024670.D
Acq On : 4 Nov 2016 6:06
Operator : UM/SJ
Sample : H5509-06
Misc :
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SB-93-16.5-17.0

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-BG102516.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 | 3.125 | 43 | 49 | 68 | rBV | 8361619 | 14205839 | 100.00% | 23.924% |
| 2 | 5.329 | 418 | 424 | 433 | rVB | 460658 | 699520 | 4.92% | 1.178% |
| 3 | 5.799 | 496 | 504 | 514 | rBV | 2010377 | 3385024 | 23.83% | 5.701% |
| 4 | 7.403 | 768 | 777 | 786 | rBV | 2113353 | 3755977 | 26.44% | 6.325% |
| 5 | 7.791 | 832 | 843 | 852 | rBV | 2027491 | 3524801 | 24.81% | 5.936% |
| 6 | 8.266 | 917 | 924 | 934 | rBV | 324157 | 577977 | 4.07% | 0.973% |
| 7 | 8.590 | 968 | 979 | 988 | rBV | 1401429 | 2551953 | 17.96% | 4.298% |
| 8 | 9.442 | 1115 | 1124 | 1131 | rBV | 1298516 | 2358949 | 16.61% | 3.973% |
| 9 | 11.093 | 1398 | 1405 | 1413 | rVB | 430026 | 767214 | 5.40% | 1.292% |
| 10 | 13.507 | 1808 | 1816 | 1823 | rBV | 3044905 | 4732408 | 33.31% | 7.970% |
| 11 | 14.318 | 1947 | 1954 | 1961 | rBV | 886743 | 1302277 | 9.17% | 2.193% |
| 12 | 14.882 | 2040 | 2050 | 2058 | rVB | 716491 | 1132549 | 7.97% | 1.907% |
| 13 | 16.363 | 2295 | 2302 | 2311 | rBV | 3206779 | 4965208 | 34.95% | 8.362% |
| 14 | 17.620 | 2511 | 2516 | 2523 | rBV2 | 964119 | 1580424 | 11.13% | 2.662% |
| 15 | 17.961 | 2566 | 2574 | 2583 | rBV3 | 83230 | 168518 | 1.19% | 0.284% |
| 16 | 18.466 | 2656 | 2660 | 2668 | rBV4 | 99878 | 160451 | 1.13% | 0.270% |
| 17 | 20.205 | 2949 | 2956 | 2962 | rBV | 6363964 | 8787194 | 61.86% | 14.798% |
| 18 | 21.498 | 3169 | 3176 | 3186 | rBV3 | 172610 | 345123 | 2.43% | 0.581% |
| 19 | 21.915 | 3240 | 3247 | 3254 | rBV | 1261057 | 2185629 | 15.39% | 3.681% |
| 20 | 25.341 | 3818 | 3830 | 3843 | rBV2 | 699870 | 2192453 | 15.43% | 3.692% |

Sum of corrected areas: 59379488

LSC Report - Integrated Chromatogram

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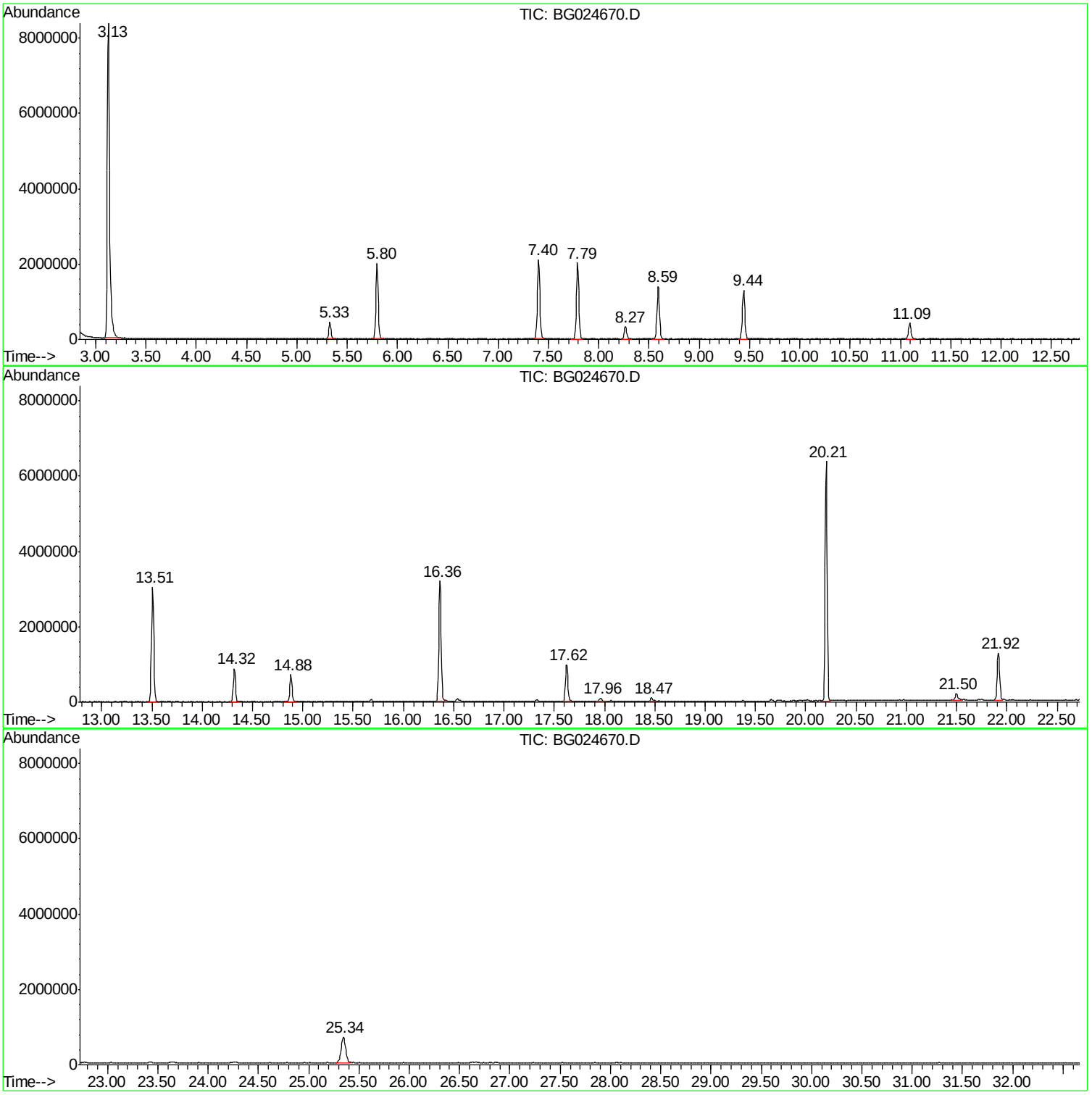
Misc :
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SB-93-16.5-17.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.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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Data File : BG024670.D
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Operator : UM/SJ
Sample : H5509-06
Misc :
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SB-93-16.5-17.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.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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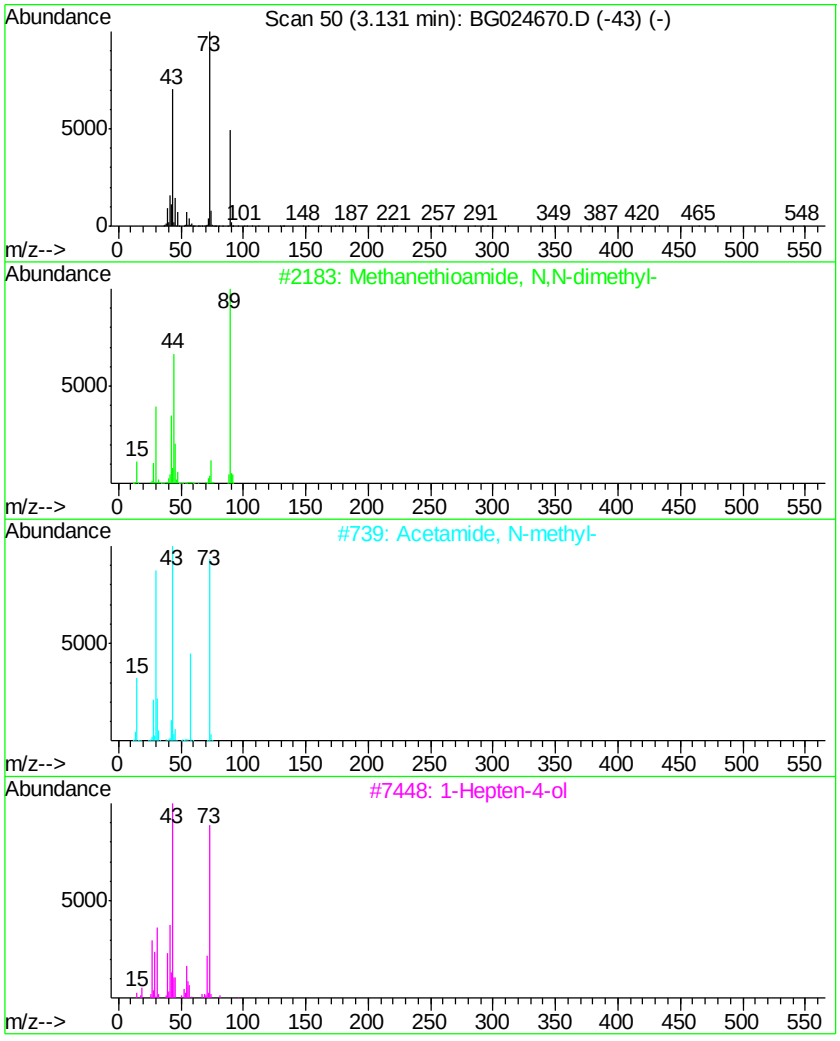
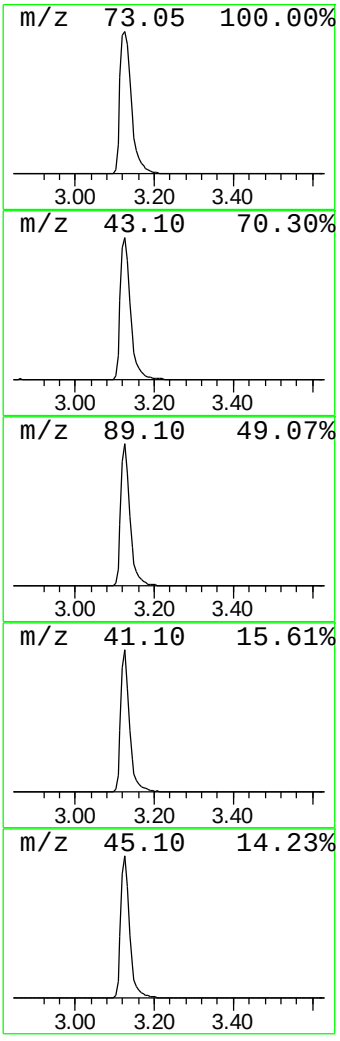
Peak Number 1 unknown3.13 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.13 | 491.57 ng | 14205800 | 1,4-Dichlorobenzene-d4 | 8.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methanethioamide, N,N-dimethyl- | 89 | C3H7NS | 000758-16-7 | 37 |
| 2 | Acetamide, N-methyl- | 73 | C3H7NO | 000079-16-3 | 25 |
| 3 | 1-Hepten-4-ol | 114 | C7H14O | 003521-91-3 | 23 |
| 4 | Methane, isothiocyanato- | 73 | C2H3NS | 000556-61-6 | 10 |
| 5 | Thiazole, tetrahydro- | 89 | C3H7NS | 000504-78-9 | 9 |



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Data File : BG024670.D
Acq On : 4 Nov 2016 6:06
Operator : UM/SJ
Sample : H5509-06
Misc :
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SB-93-16.5-17.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.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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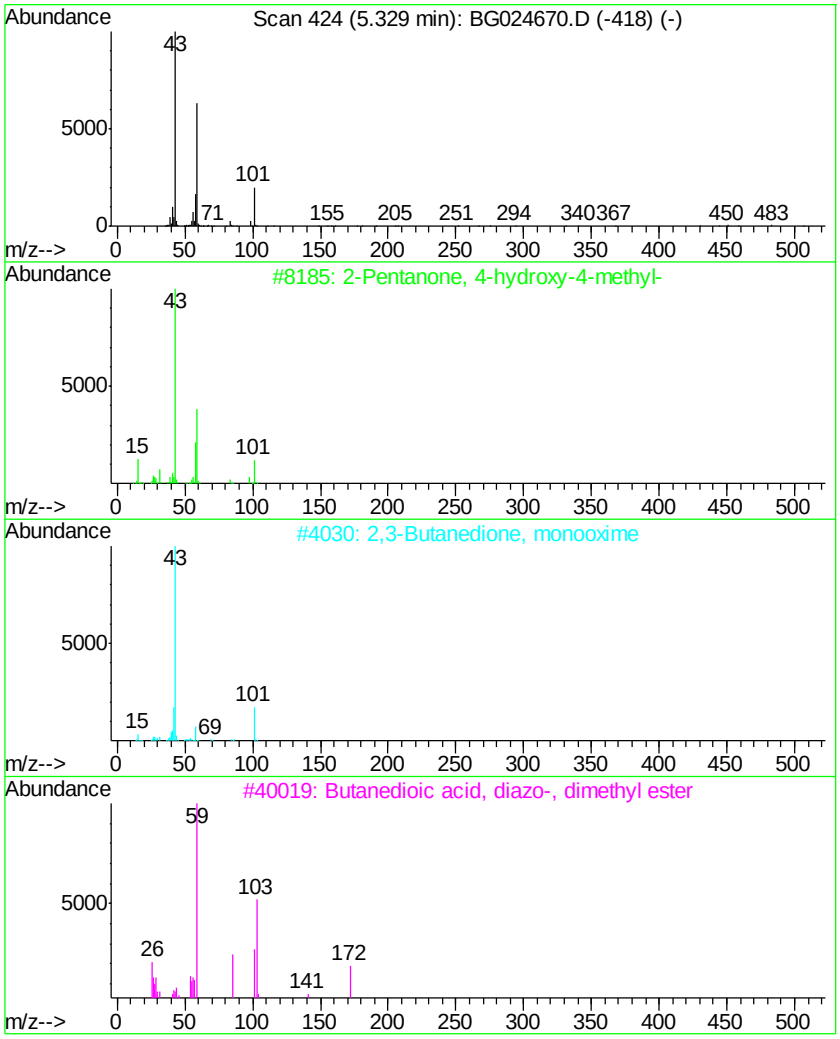
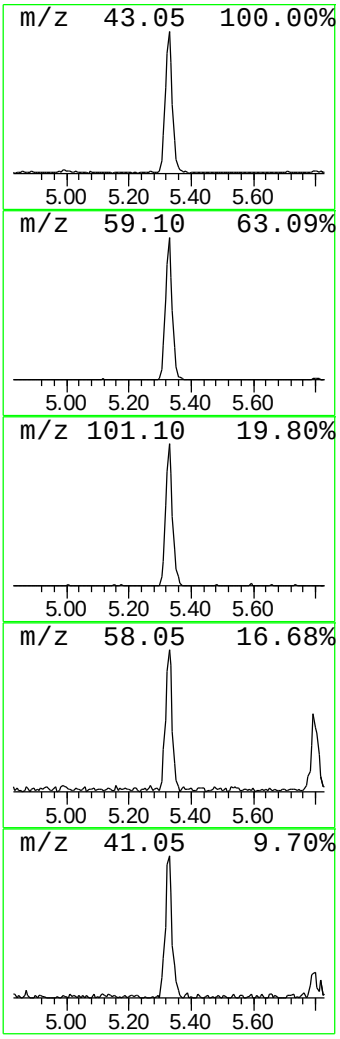
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.33 | 24.21 ng | 699520 | 1,4-Dichlorobenzene-d4 | 8.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 50 |
| 2 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 9 |
| 3 | Butanedioic acid, diazo-, dimeth... | 172 | C6H8N2O4 | 055514-36-8 | 9 |
| 4 | .alpha.-D-Galactopyranoside, met... | 249 | C10H19NO6 | 017296-07-0 | 9 |
| 5 | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 9 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110316\
Data File : BG024670.D
Acq On : 4 Nov 2016 6:06
Operator : UM/SJ
Sample : H5509-06
Misc :
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SB-93-16.5-17.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.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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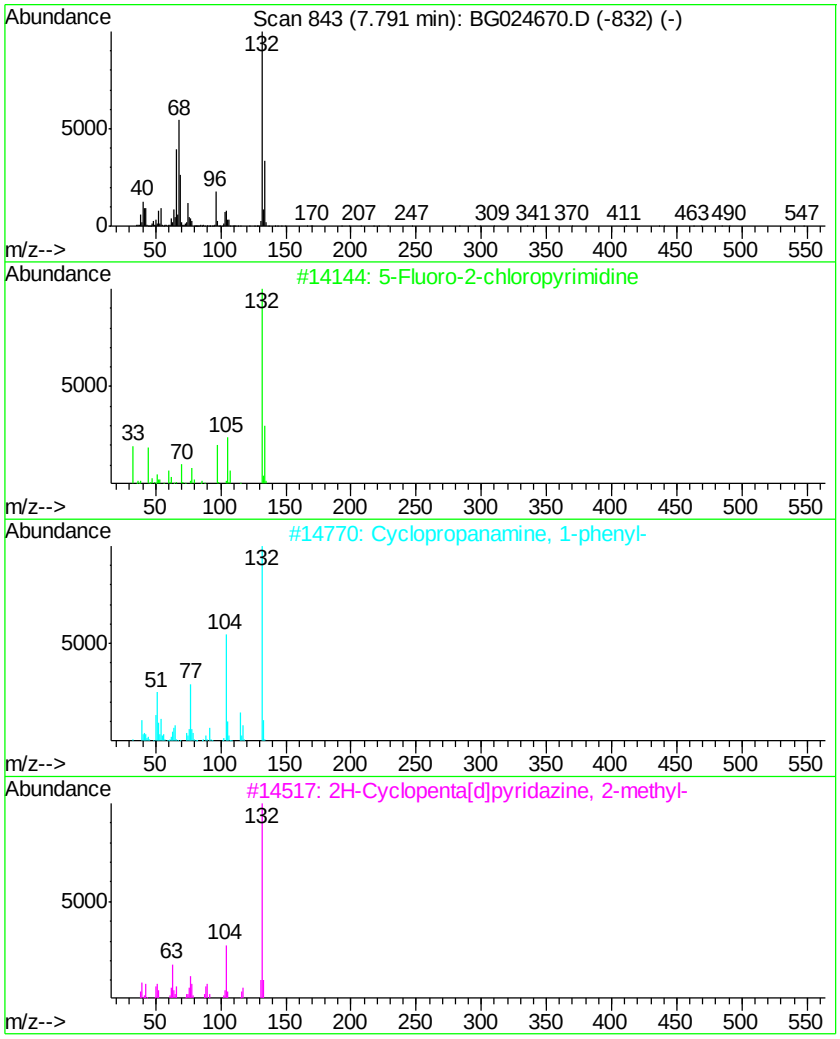
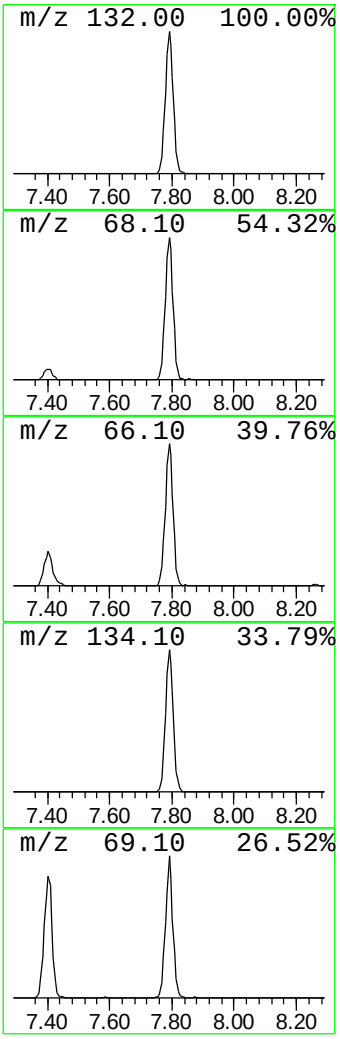
Peak Number 3 unknown7.79 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.79 | 121.97 ng | 3524800 | 1,4-Dichlorobenzene-d4 | 8.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 10 |
| 2 | Cyclopropanamine, 1-phenyl- | 133 | C9H11N | 1000351-26-2 | 10 |
| 3 | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2 | 022291-85-6 | 10 |
| 4 | Xenon | 132 | Xe | 007440-63-3 | 9 |
| 5 | 1,2,4-Trifluorobenzene | 132 | C6H3F3 | 000367-23-7 | 9 |



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Data File : BG024670.D
Acq On : 4 Nov 2016 6:06
Operator : UM/SJ
Sample : H5509-06
Misc :
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SB-93-16.5-17.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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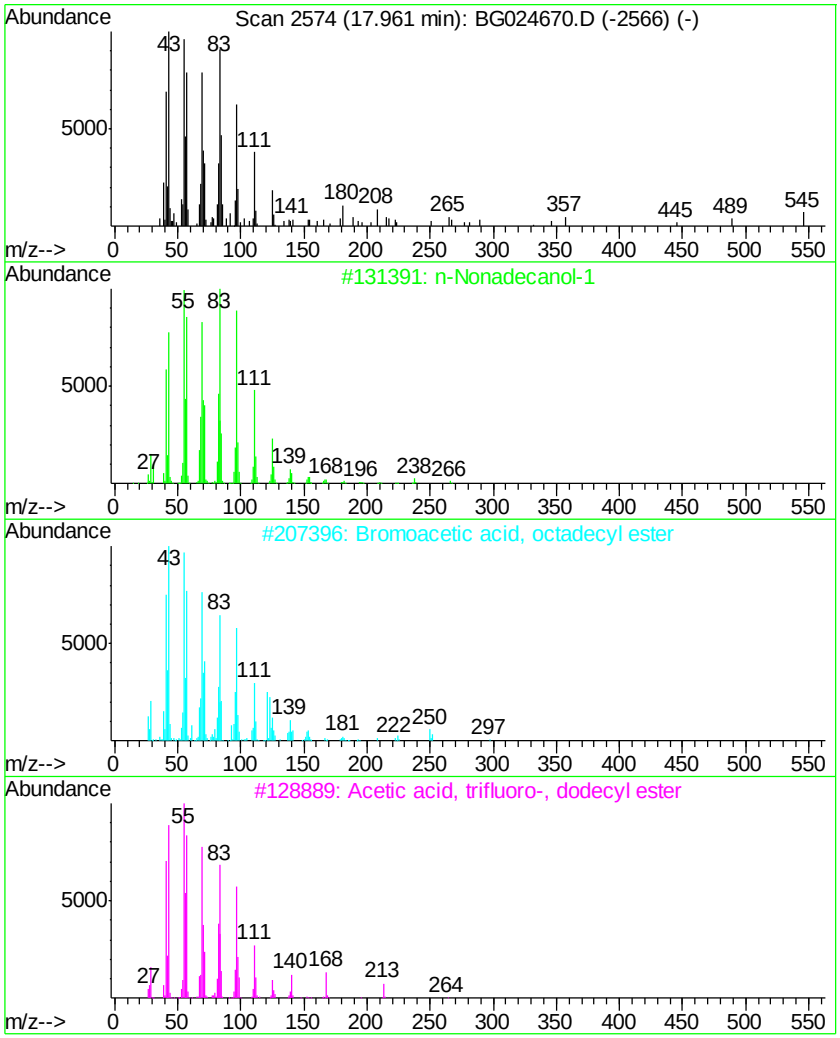
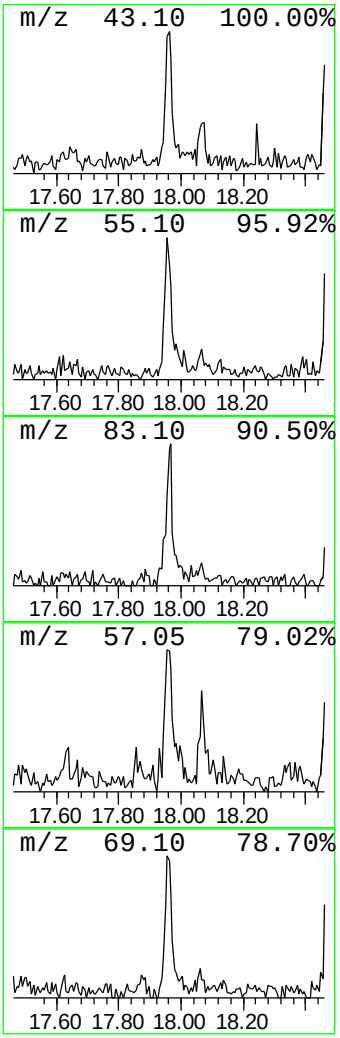
Peak Number 5 n-Nonadecanol-1 Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.96 | 2.13 ng | 168518 | Phenanthrene-d10 | 17.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Nonadecanol-1 | 284 | C19H40O | 001454-84-8 | 86 |
| 2 | Bromoacetic acid, octadecyl ester | 390 | C20H39BrO2 | 018992-03-5 | 86 |
| 3 | Acetic acid, trifluoro-, dodecyl... | 282 | C14H25F3O2 | 006222-00-0 | 74 |
| 4 | Fumaric acid, 2-chloroethyl dode... | 346 | C18H31ClO4 | 1000330-62-0 | 72 |
| 5 | Cyclohexadecane | 224 | C16H32 | 000295-65-8 | 68 |



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Data File : BG024670.D
Acq On : 4 Nov 2016 6:06
Operator : UM/SJ
Sample : H5509-06
Misc :
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SB-93-16.5-17.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.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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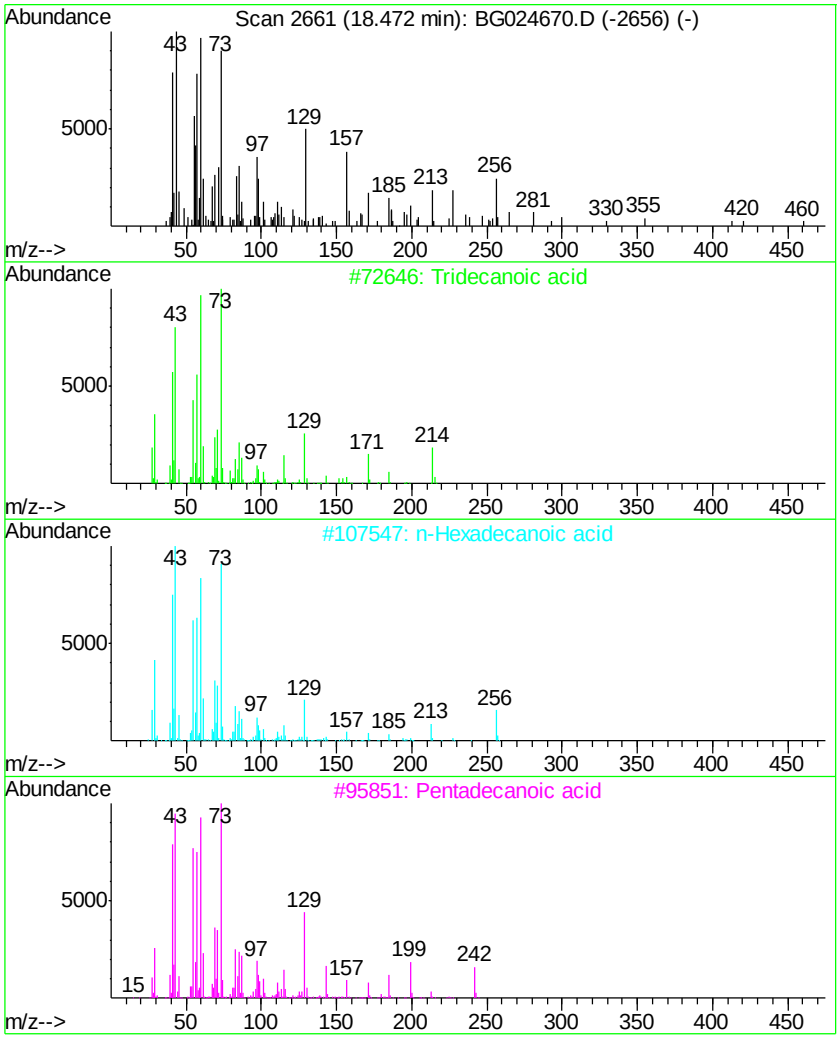
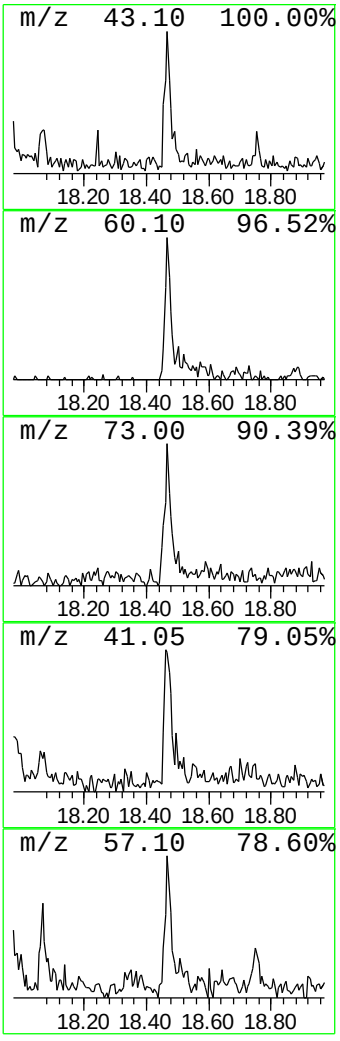
Peak Number 6 Tridecanoic acid Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.47 | 2.03 ng | 160451 | Phenanthrene-d10 | 17.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 53 |
| 2 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 53 |
| 3 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 50 |
| 4 | .alpha.-D-Glucopyranose, 4-O-.be... | 342 | C12H22O11 | 014641-93-1 | 47 |
| 5 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 43 |



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Misc :
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SB-93-16.5-17.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
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TIC Integration Parameters: LSCINT.P

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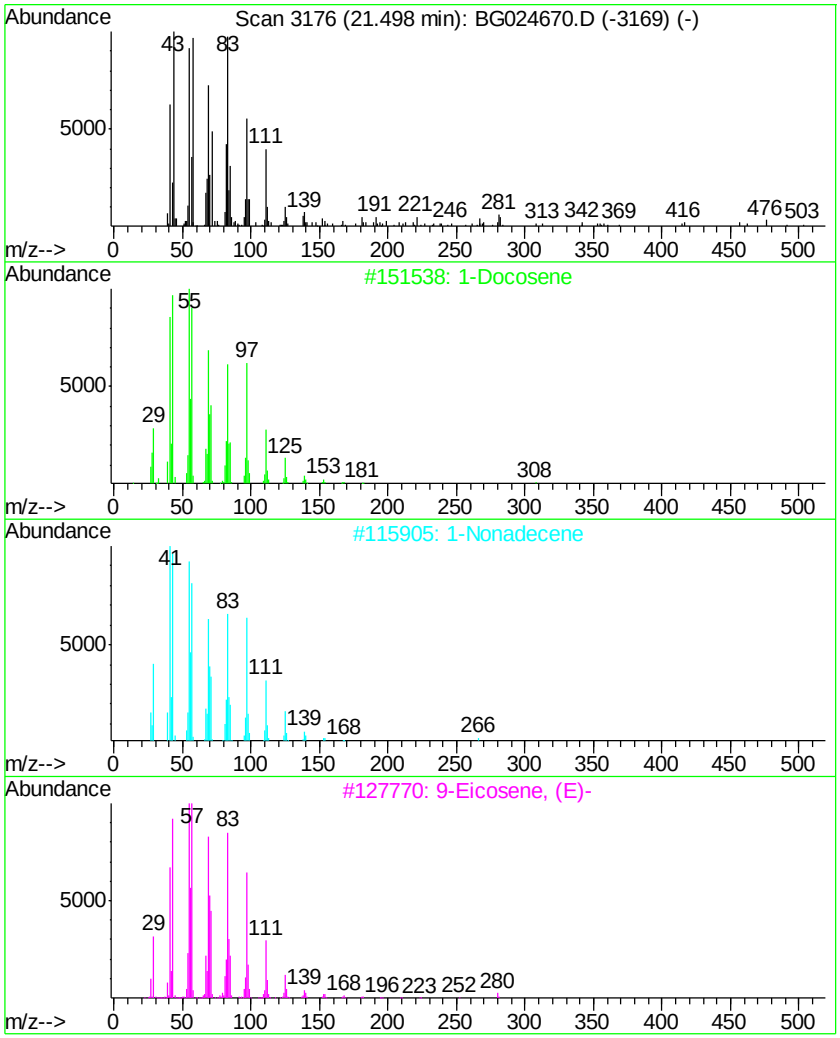
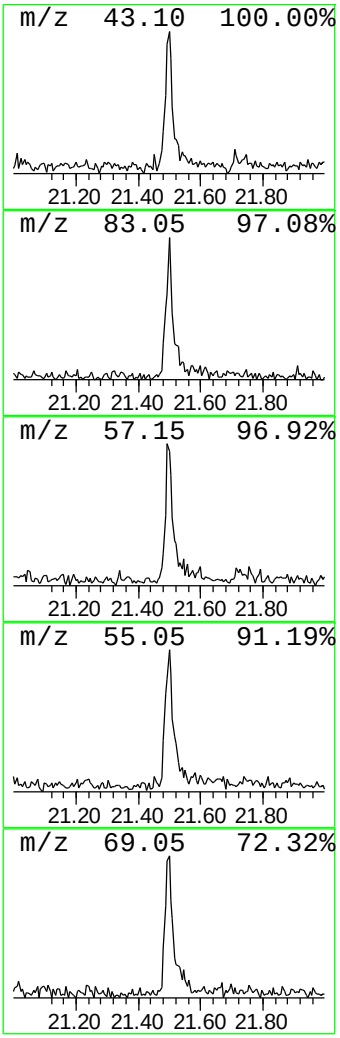
Peak Number 7 1-Docosene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.50 | 3.16 ng | 345123 | Chrysene-d12 | 21.92 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Docosene | 308 | C22H44 | 001599-67-3 | 96 |
| 2 | 1-Nonadecene | 266 | C19H38 | 018435-45-5 | 90 |
| 3 | 9-Eicosene, (E)- | 280 | C20H40 | 074685-29-3 | 76 |
| 4 | Pentafluoropropionic acid, hepta... | 402 | C20H35F5O2 | 959218-78-1 | 68 |
| 5 | Heptadecafluorononanoic acid, he... | 702 | C26H35F17O2 | 1000356-03-3 | 68 |



Tentatively Identified Compound (LSC) summary

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| unknown3.13 | 3.13 | 491.6 | ng | 14205800 | 1 | 8.27 | 577977 | 20.0 |
| 2-Pentanone, 4-hy... | 5.33 | 24.2 | ng | 699520 | 1 | 8.27 | 577977 | 20.0 |
| unknown7.79 | 7.79 | 122.0 | ng | 3524800 | 1 | 8.27 | 577977 | 20.0 |
| n-Nonadecanol-1 | 17.96 | 2.1 | ng | 168518 | 4 | 17.62 | 1580420 | 20.0 |
| Tridecanoic acid | 18.47 | 2.0 | ng | 160451 | 4 | 17.62 | 1580420 | 20.0 |
| 1-Docosene | 21.50 | 3.2 | ng | 345123 | 5 | 21.92 | 2185630 | 20.0 |