LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041816\
Data File : BG021725.D
Acq On : 18 Apr 2016 5:12
Operator : UM/SJ
Sample : H2513-05
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** ACF-NW-2

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-BG041316.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 | 3.098 | 39 | 44 | 66 | rVB | 1494300 | 2174923 | 100.00% | 16.493% |
| 2 | 5.290 | 411 | 417 | 424 | rVB | 21227 | 34394 | 1.58% | 0.261% |
| 3 | 5.766 | 490 | 498 | 507 | rBV | 433050 | 725522 | 33.36% | 5.502% |
| 4 | 7.364 | 761 | 770 | 780 | rBV | 491988 | 860909 | 39.58% | 6.528% |
| 5 | 7.746 | 826 | 835 | 845 | rBV | 462199 | 802332 | 36.89% | 6.084% |
| 6 | 8.210 | 908 | 914 | 921 | rBV | 102407 | 178577 | 8.21% | 1.354% |
| 7 | 8.539 | 962 | 970 | 978 | rVB | 334697 | 583224 | 26.82% | 4.423% |
| 8 | 9.379 | 1105 | 1113 | 1121 | rBV | 304468 | 543201 | 24.98% | 4.119% |
| 9 | 11.030 | 1384 | 1394 | 1405 | rVB | 167605 | 297167 | 13.66% | 2.253% |
| 10 | 13.451 | 1797 | 1806 | 1817 | rBV | 885873 | 1390616 | 63.94% | 10.545% |
| 11 | 14.262 | 1938 | 1944 | 1951 | rBV | 99010 | 142777 | 6.56% | 1.083% |
| 12 | 14.691 | 2011 | 2017 | 2023 | rBV | 26187 | 34486 | 1.59% | 0.262% |
| 13 | 14.820 | 2033 | 2039 | 2047 | rVB2 | 287496 | 473140 | 21.75% | 3.588% |
| 14 | 15.637 | 2173 | 2178 | 2183 | rVB | 45683 | 59083 | 2.72% | 0.448% |
| 15 | 16.042 | 2238 | 2247 | 2251 | rBV4 | 13050 | 30262 | 1.39% | 0.229% |
| 16 | 16.301 | 2285 | 2291 | 2302 | rVB | 669824 | 1006006 | 46.25% | 7.629% |
| 17 | 16.494 | 2319 | 2324 | 2332 | rBV | 44422 | 75723 | 3.48% | 0.574% |
| 18 | 17.282 | 2454 | 2458 | 2462 | rBV | 21184 | 25945 | 1.19% | 0.197% |
| 19 | 17.558 | 2496 | 2505 | 2512 | rBV2 | 333538 | 534781 | 24.59% | 4.055% |
| 20 | 20.143 | 2939 | 2945 | 2951 | rBV | 1408405 | 1898630 | 87.30% | 14.398% |
| 21 | 21.436 | 3161 | 3165 | 3174 | rBV5 | 15101 | 27526 | 1.27% | 0.209% |
| 22 | 21.829 | 3225 | 3232 | 3240 | rVB | 354576 | 616043 | 28.32% | 4.672% |
| 23 | 23.539 | 3518 | 3523 | 3531 | rVB | 30312 | 60788 | 2.79% | 0.461% |
| 24 | 25.155 | 3787 | 3798 | 3814 | rVB3 | 201651 | 611007 | 28.09% | 4.633% |

Sum of corrected areas: 13187062

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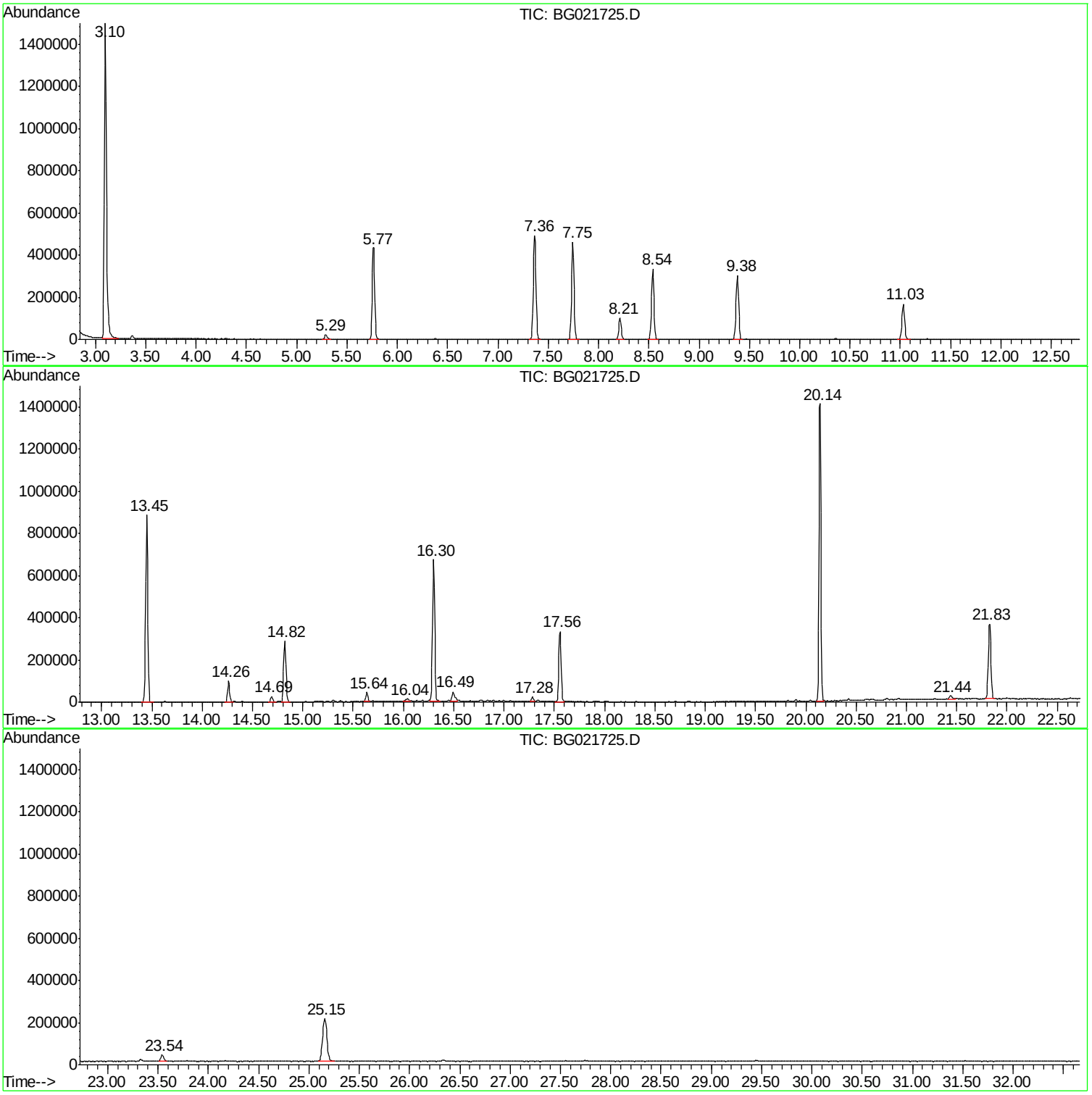
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
ACF-NW-2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.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 G\DATA\BG041816\
Data File : BG021725.D
Acq On : 18 Apr 2016 5:12
Operator : UM/SJ
Sample : H2513-05
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** ACF-NW-2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

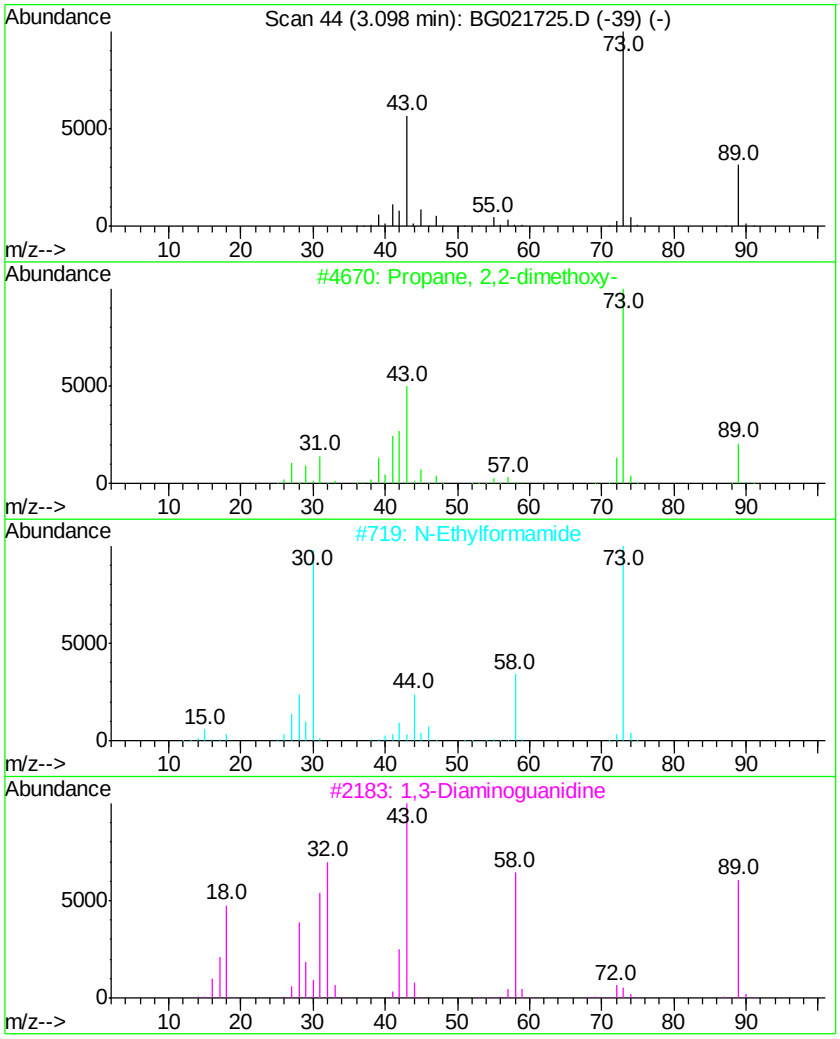
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

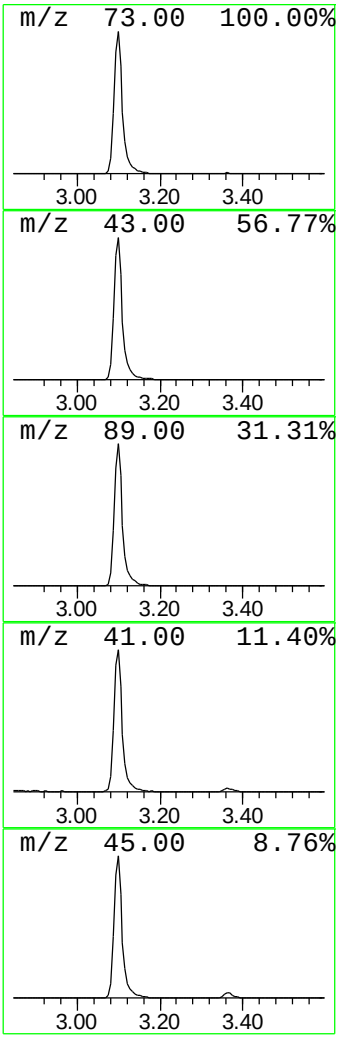
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.10 | 243.58 ng | 2174920 | 1,4-Dichlorobenzene-d4 | 8.21 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propane, 2,2-dimethoxy- | 104 | C5H12O2 | 000077-76-9 | 56 |
| 2 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |
| 3 | 1,3-Diaminoguanidine | 89 | CH7N5 | 004364-78-7 | 9 |
| 4 | Propane, 2-methoxy-2-methyl- | 88 | C5H12O | 001634-04-4 | 9 |
| 5 | 1-Hexen-4-ol, 1-chloro-3,5-dimet... | 162 | C8H15ClO | 100244-09-5 | 9 |



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Data File : BG021725.D
Acq On : 18 Apr 2016 5:12
Operator : UM/SJ
Sample : H2513-05
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** ACF-NW-2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

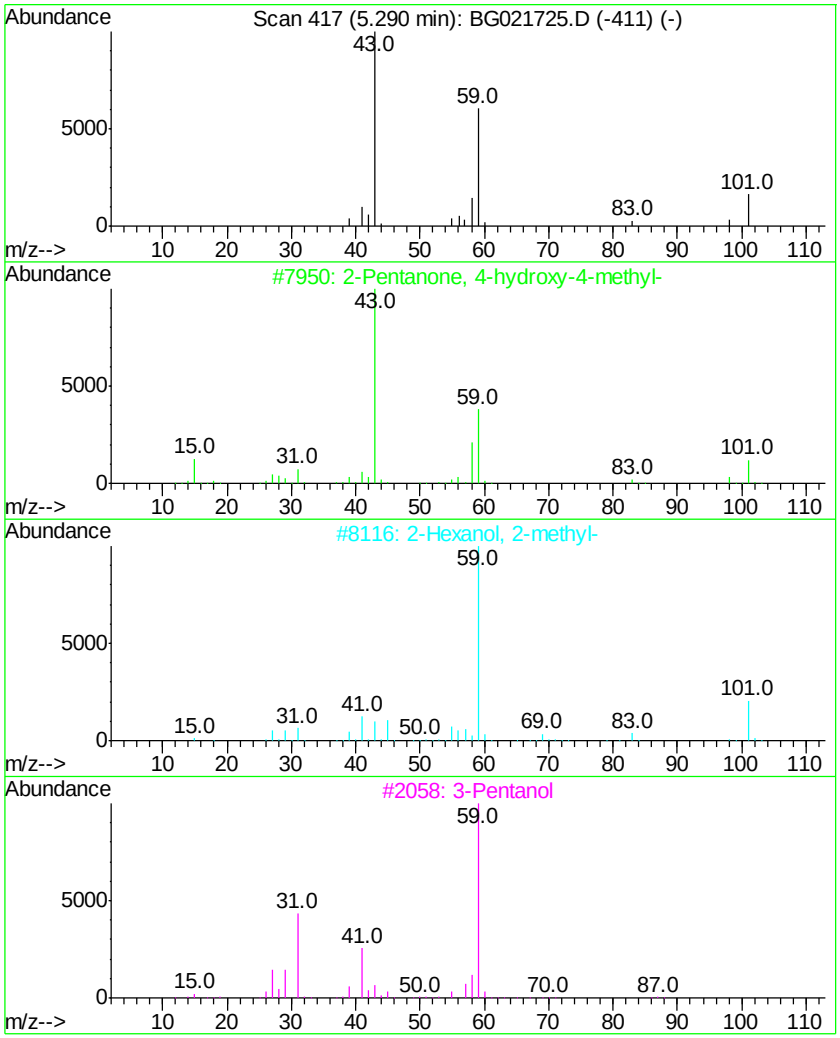
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

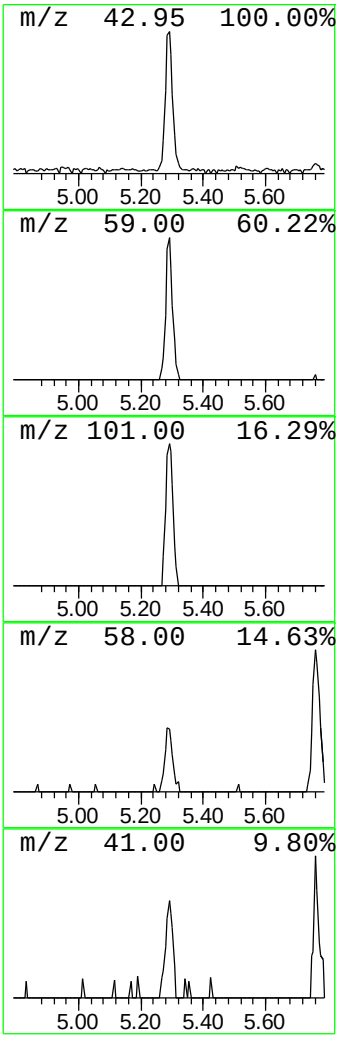
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.29 | 3.85 ng | 34394 | 1,4-Dichlorobenzene-d4 | 8.21 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 72 |
| 2 | 2-Hexanol, 2-methyl- | 116 | C7H16O | 000625-23-0 | 47 |
| 3 | 3-Pentanol | 88 | C5H12O | 000584-02-1 | 9 |
| 4 | 3-Hexanol, 4-methyl- | 116 | C7H16O | 000615-29-2 | 9 |
| 5 | 2-Pentanol, 2,4-dimethyl- | 116 | C7H16O | 000625-06-9 | 9 |



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Data File : BG021725.D
Acq On : 18 Apr 2016 5:12
Operator : UM/SJ
Sample : H2513-05
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** ACF-NW-2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

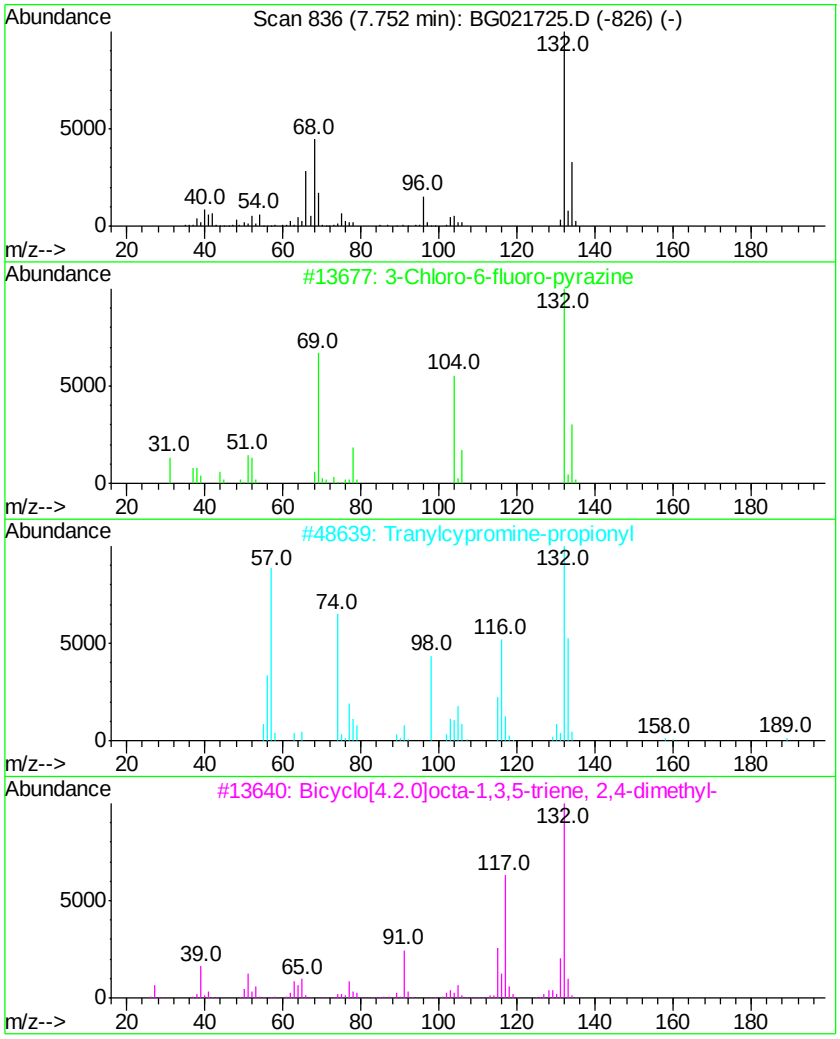
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

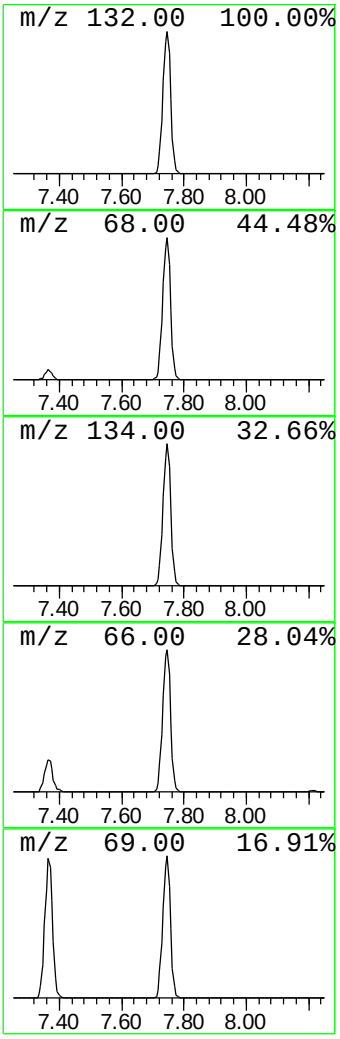
**********

Peak Number 3 unknown7.75 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.75 | 89.86 ng | 802332 | 1,4-Dichlorobenzene-d4 | 8.21 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 3 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12 | 028749-81-7 | 9 |
| 4 | Benzene, 1-ethenyl-3,5-dimethyl- | 132 | C10H12 | 005379-20-4 | 9 |
| 5 | 1H-Tetrazaborole, 5-chloro-4,5-d... | 132 | C2H6BClN4 | 021960-49-6 | 9 |



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Operator : UM/SJ
Sample : H2513-05
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** ACF-NW-2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
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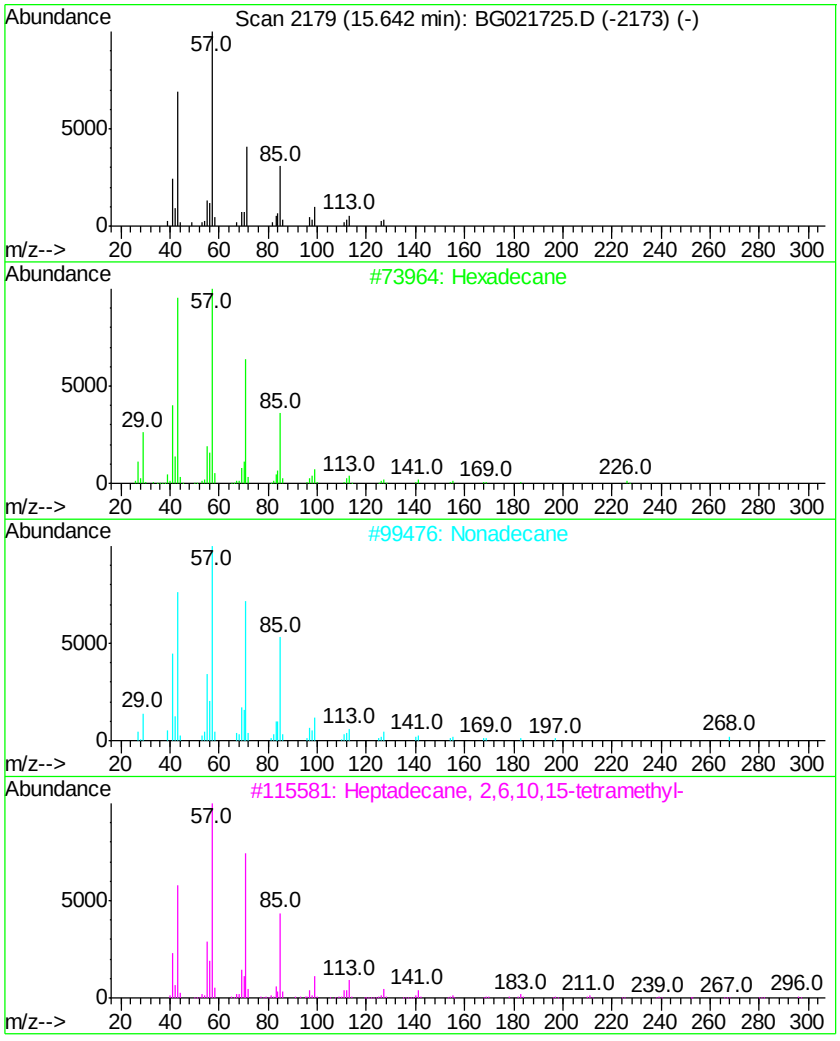
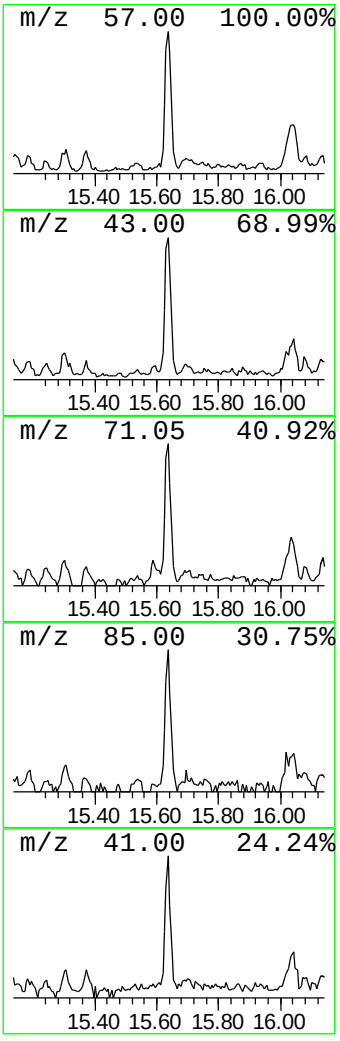
Peak Number 5 Hexadecane Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.64 | 2.50 ng | 59083 | Acenaphthene-d10 | 14.82 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 96 |
| 2 | Nonadecane | 268 | C19H40 | 000629-92-5 | 86 |
| 3 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 83 |
| 4 | Eicosane | 282 | C20H42 | 000112-95-8 | 80 |
| 5 | Tridecane | 184 | C13H28 | 000629-50-5 | 80 |



Tentatively Identified Compound (LSC) summary

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ALS Vial : 31 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** ACF-NW-2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.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... | 3.10 | 243.6 | ng | 2174920 | 1 | 8.21 | 178577 | 20.0 |
| 2-Pentanone, 4-hy... | 5.29 | 3.9 | ng | 34394 | 1 | 8.21 | 178577 | 20.0 |
| unknown7.75 | 7.75 | 89.9 | ng | 802332 | 1 | 8.21 | 178577 | 20.0 |
| Hexadecane | 15.64 | 2.5 | ng | 59083 | 3 | 14.82 | 473140 | 20.0 |