LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021816\
Data File : BG020958.D
Acq On : 19 Feb 2016 5:38
Operator : SJ/UM
Sample : H1488-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** P001-SS016-5460-01

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-BG021116.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 | 3.090 | 37 | 43 | 63 | rVB | 1081275 | 1515689 | 98.61% | 14.660% |
| 2 | 3.237 | 63 | 68 | 77 | rBV | 23962 | 41449 | 2.70% | 0.401% |
| 3 | 5.311 | 415 | 421 | 435 | rVB | 78765 | 122164 | 7.95% | 1.182% |
| 4 | 5.793 | 496 | 503 | 512 | rBV | 382092 | 599677 | 39.01% | 5.800% |
| 5 | 7.402 | 769 | 777 | 790 | rBV | 401453 | 693131 | 45.09% | 6.704% |
| 6 | 7.784 | 835 | 842 | 855 | rVB | 426405 | 727391 | 47.32% | 7.036% |
| 7 | 8.260 | 916 | 923 | 929 | rVB | 73537 | 123920 | 8.06% | 1.199% |
| 8 | 8.583 | 970 | 978 | 987 | rVB | 314767 | 548363 | 35.68% | 5.304% |
| 9 | 9.429 | 1114 | 1122 | 1130 | rBV | 249450 | 440355 | 28.65% | 4.259% |
| 10 | 11.086 | 1395 | 1404 | 1411 | rBV | 126072 | 224322 | 14.59% | 2.170% |
| 11 | 13.500 | 1807 | 1815 | 1824 | rBV | 899511 | 1330659 | 86.57% | 12.871% |
| 12 | 14.311 | 1947 | 1953 | 1960 | rVB | 76365 | 105700 | 6.88% | 1.022% |
| 13 | 14.869 | 2042 | 2048 | 2056 | rVB2 | 207356 | 325581 | 21.18% | 3.149% |
| 14 | 15.685 | 2183 | 2187 | 2192 | rVB | 20537 | 24547 | 1.60% | 0.237% |
| 15 | 16.349 | 2294 | 2300 | 2312 | rVB | 541856 | 781675 | 50.86% | 7.561% |
| 16 | 16.543 | 2328 | 2333 | 2336 | rBV | 19042 | 27029 | 1.76% | 0.261% |
| 17 | 17.606 | 2508 | 2514 | 2520 | rBV | 235046 | 337766 | 21.97% | 3.267% |
| 18 | 20.185 | 2947 | 2953 | 2959 | rBV | 1236582 | 1537063 | 100.00% | 14.867% |
| 19 | 21.483 | 3169 | 3174 | 3186 | rBV | 64787 | 101243 | 6.59% | 0.979% |
| 20 | 21.830 | 3227 | 3233 | 3236 | rBV5 | 9103 | 15384 | 1.00% | 0.149% |
| 21 | 21.883 | 3236 | 3242 | 3248 | rVB | 217482 | 359085 | 23.36% | 3.473% |
| 22 | 25.249 | 3805 | 3815 | 3829 | rVB3 | 122205 | 356479 | 23.19% | 3.448% |

Sum of corrected areas: 10338672

LSC Report - Integrated Chromatogram

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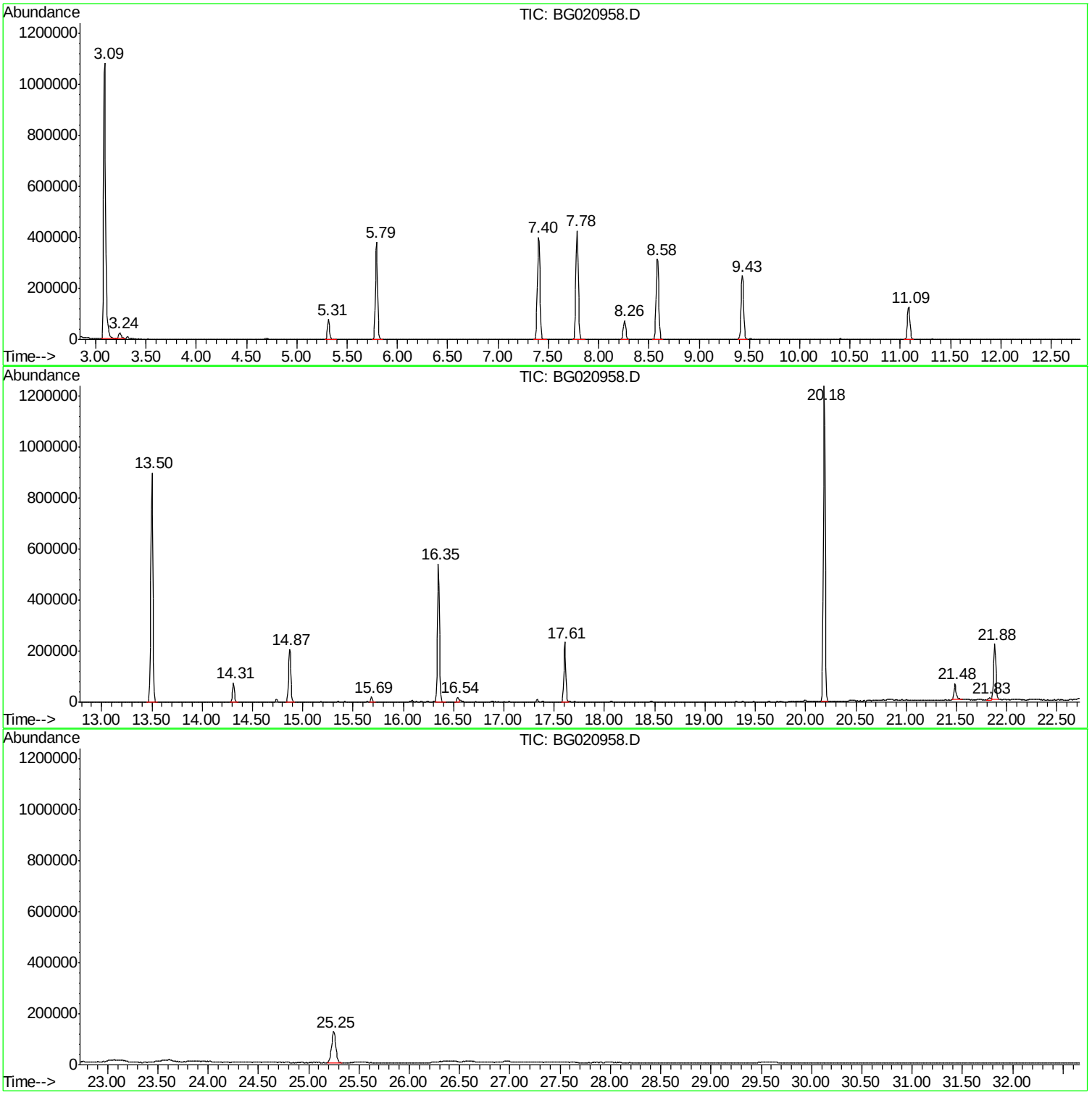
Operator : SJ/UM
Sample : H1488-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** P001-SS016-5460-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021116.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\BG021816\
Data File : BG020958.D
Acq On : 19 Feb 2016 5:38
Operator : SJ/UM
Sample : H1488-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** P001-SS016-5460-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021116.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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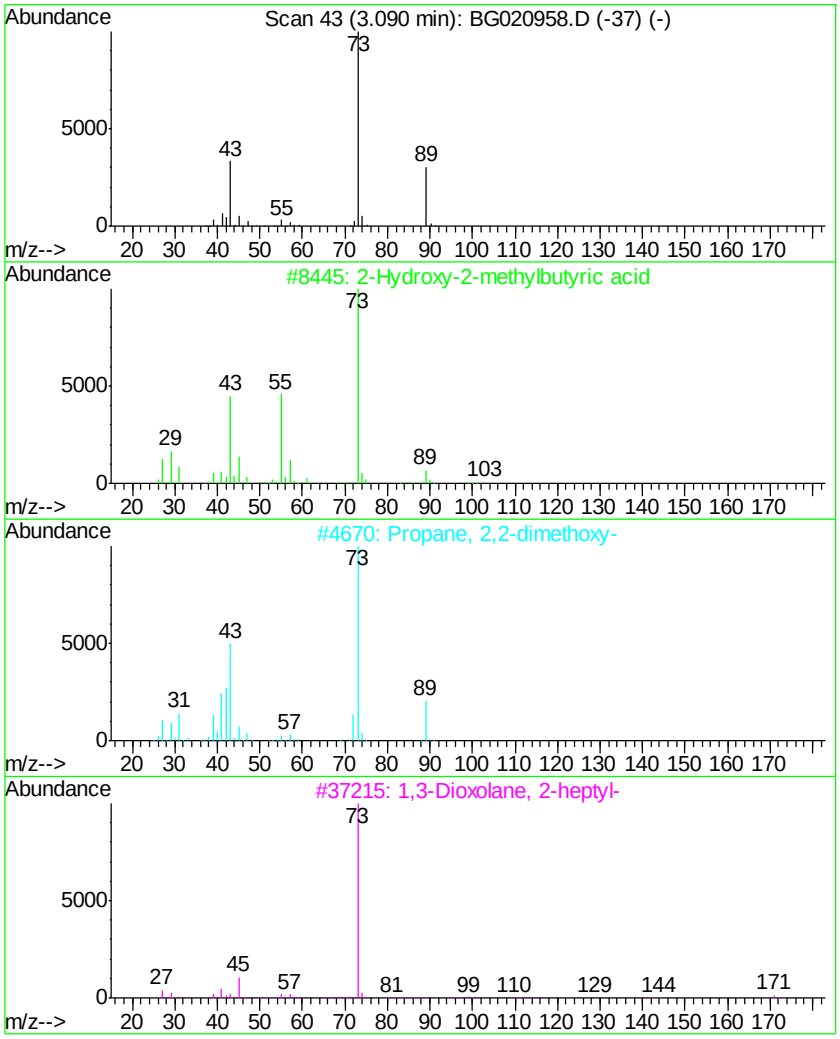
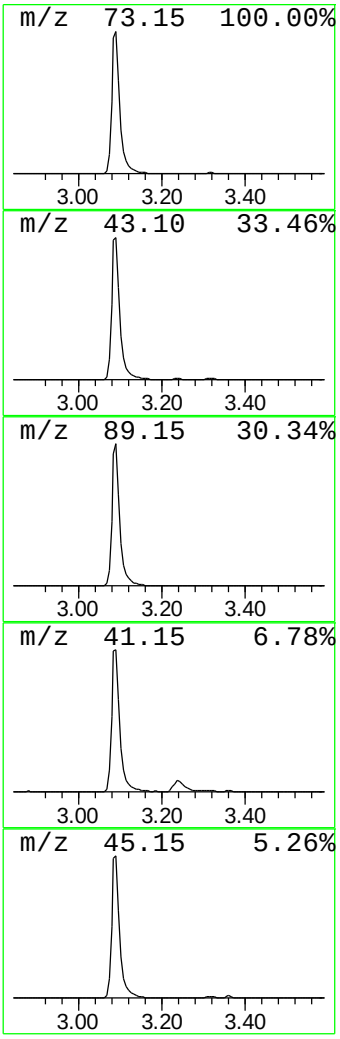
Peak Number 1 unknown3.09 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.09 | 244.62 ng | 1515690 | 1,4-Dichlorobenzene-d4 | 8.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Hydroxy-2-methylbutyric acid | 118 | C5H10O3 | 003739-30-8 | 28 |
| 2 | Propane, 2,2-dimethoxy- | 104 | C5H12O2 | 000077-76-9 | 9 |
| 3 | 1,3-Dioxolane, 2-heptyl- | 172 | C10H20O2 | 004359-57-3 | 9 |
| 4 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 7 |
| 5 | Methane, isothiocyanato- | 73 | C2H3NS | 000556-61-6 | 7 |



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Data File : BG020958.D
Acq On : 19 Feb 2016 5:38
Operator : SJ/UM
Sample : H1488-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** P001-SS016-5460-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021116.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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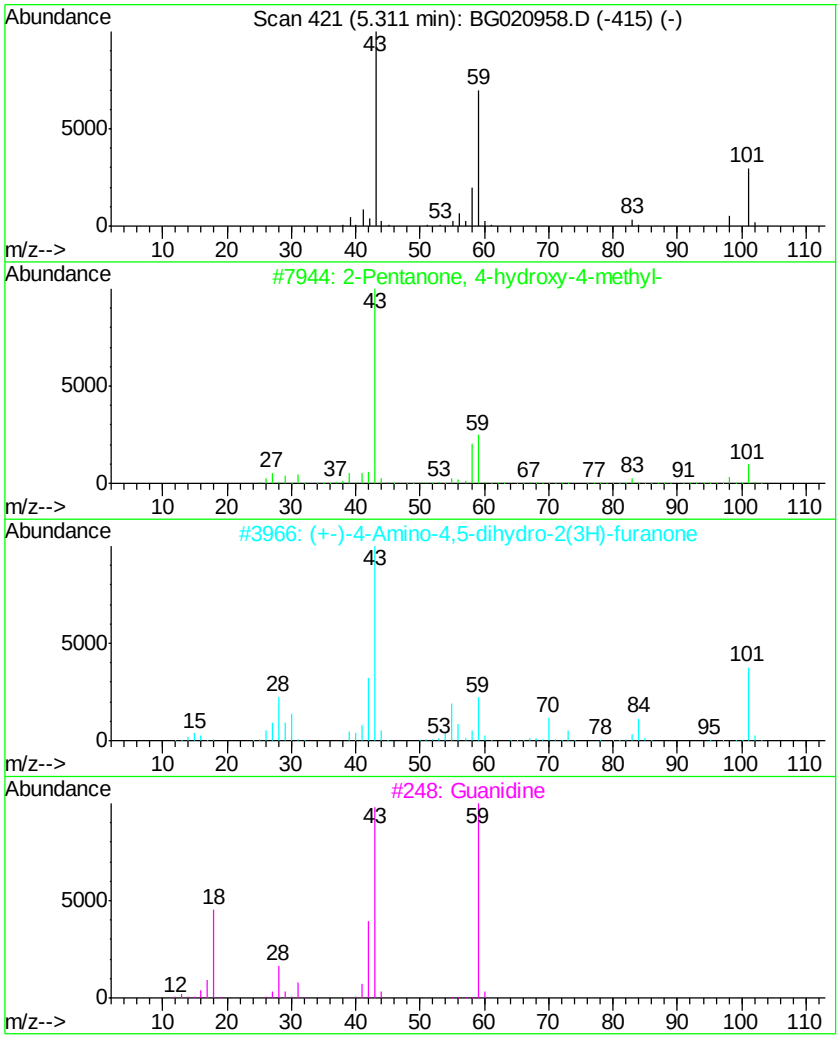
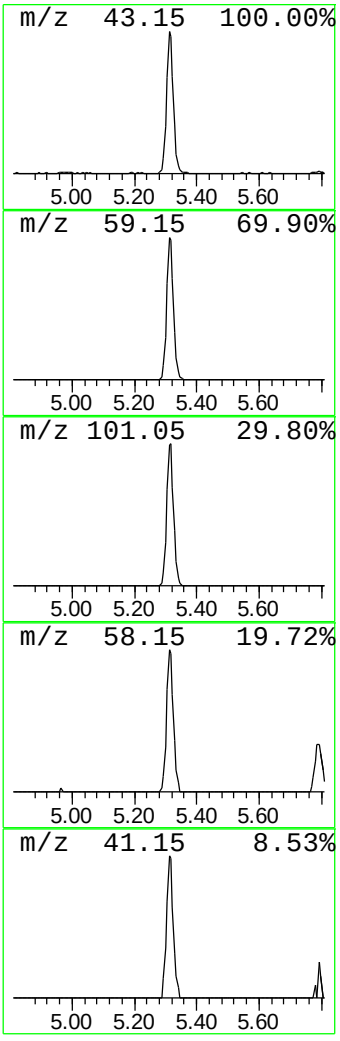
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.31 | 19.72 ng | 122164 | 1,4-Dichlorobenzene-d4 | 8.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 53 |
| 2 | (+-)-4-Amino-4,5-dihydro-2(3H)-f... | 101 | C4H7NO2 | 016504-58-8 | 43 |
| 3 | Guanidine | 59 | CH5N3 | 000113-00-8 | 38 |
| 4 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 12 |
| 5 | 5-Hexen-2-one | 98 | C6H10O | 000109-49-9 | 9 |



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Data File : BG020958.D
Acq On : 19 Feb 2016 5:38
Operator : SJ/UM
Sample : H1488-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** P001-SS016-5460-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021116.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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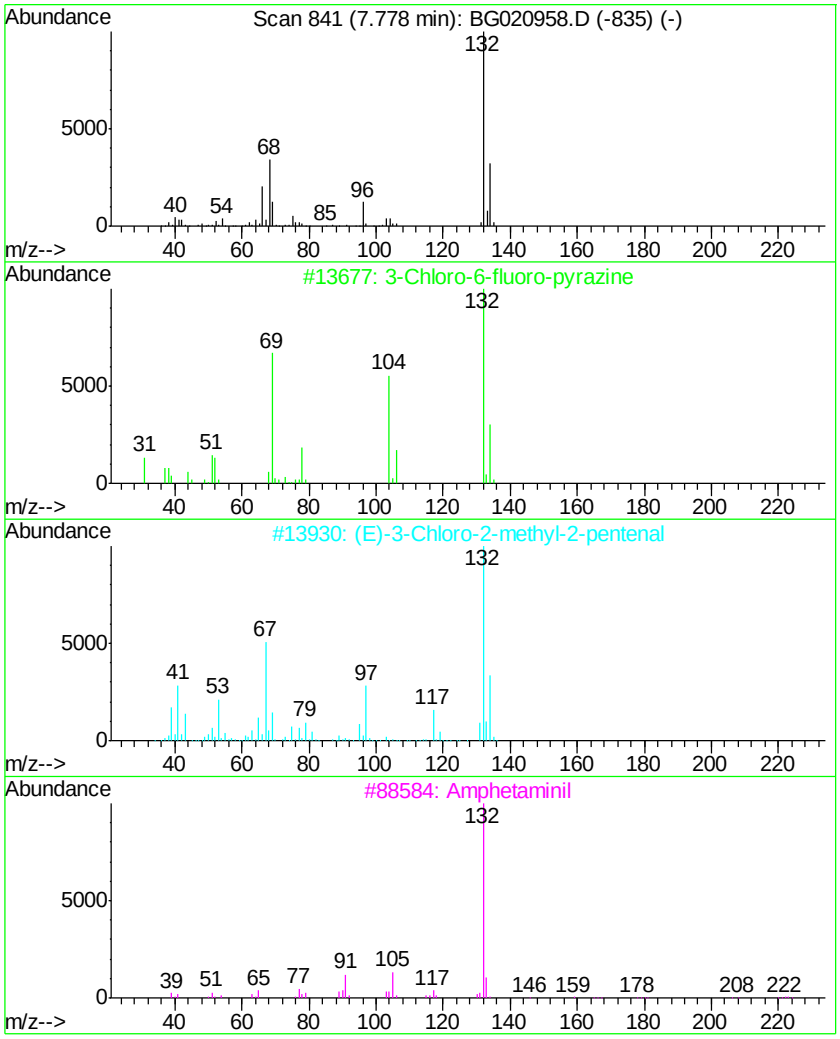
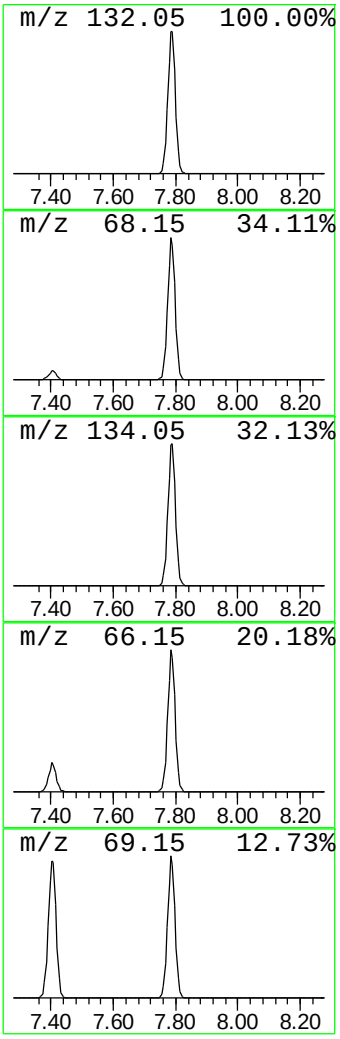
Peak Number 4 unknown7.78 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.78 | 117.40 ng | 727391 | 1,4-Dichlorobenzene-d4 | 8.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 25 |
| 2 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 25 |
| 3 | Amphetaminil | 250 | C17H18N2 | 017590-01-1 | 12 |
| 4 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 12 |
| 5 | 4-Chloro-2-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-00-5 | 9 |



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Sample : H1488-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** P001-SS016-5460-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021116.M
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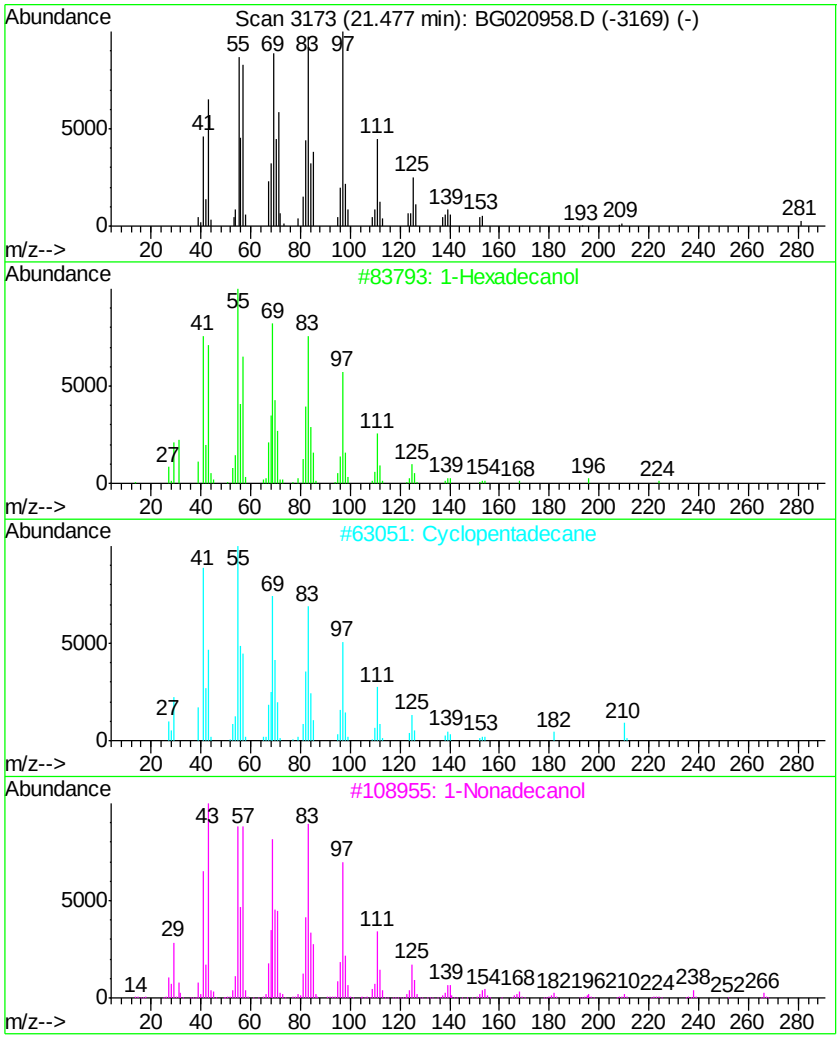
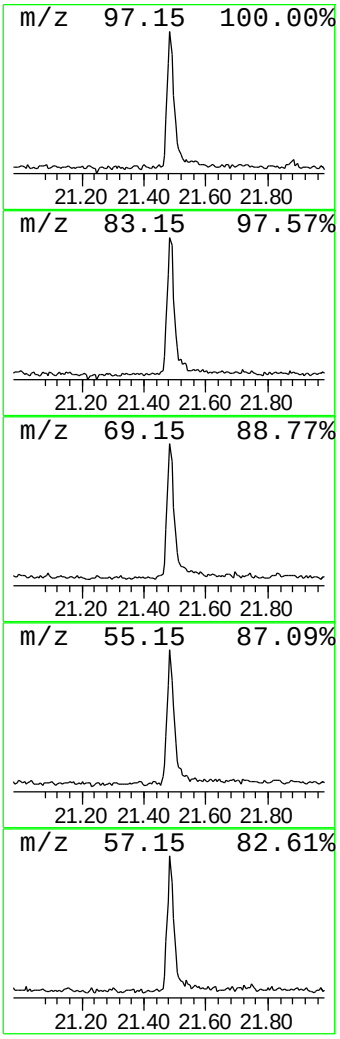
Peak Number 6 1-Hexadecanol Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.48 | 5.64 ng | 101243 | Chrysene-d12 | 21.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Hexadecanol | 242 | C16H34O | 036653-82-4 | 91 |
| 2 | Cyclopentadecane | 210 | C15H30 | 000295-48-7 | 91 |
| 3 | 1-Nonadecanol | 284 | C19H40O | 001454-84-8 | 91 |
| 4 | Cyclohexadecane | 224 | C16H32 | 000295-65-8 | 91 |
| 5 | 2- Chloropropionic acid, hexadec... | 332 | C19H37ClO2 | 086711-81-1 | 90 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG021816\
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Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** P001-SS016-5460-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| unknown3.09 | 3.09 | 244.6 | ng | 1515690 | 1 | 8.25 | 123920 | 20.0 |
| 2-Pentanone, 4-hy... | 5.31 | 19.7 | ng | 122164 | 1 | 8.25 | 123920 | 20.0 |
| unknown7.78 | 7.78 | 117.4 | ng | 727391 | 1 | 8.25 | 123920 | 20.0 |
| 1-Hexadecanol | 21.48 | 5.6 | ng | 101243 | 5 | 21.88 | 359085 | 20.0 |