LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041118\
Data File : BG033754.D
Acq On : 11 Apr 2018 20:40
Operator : SJ/JU
Sample : J2320-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** 040918-DBRI-E-U-S

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-BG031918.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 | 3.477 | 27 | 32 | 42 | rBV | 124992 | 255036 | 7.20% | 1.789% |
| 2 | 3.565 | 42 | 47 | 57 | rVB | 116070 | 178934 | 5.05% | 1.255% |
| 3 | 4.746 | 240 | 248 | 272 | rBV | 931925 | 1731332 | 48.85% | 12.144% |
| 4 | 6.285 | 504 | 510 | 522 | rBV | 101695 | 230383 | 6.50% | 1.616% |
| 5 | 7.971 | 791 | 797 | 810 | rBV | 55202 | 147093 | 4.15% | 1.032% |
| 6 | 8.365 | 856 | 864 | 881 | rBV | 223029 | 526516 | 14.86% | 3.693% |
| 7 | 8.859 | 941 | 948 | 957 | rBV2 | 65940 | 159303 | 4.49% | 1.117% |
| 8 | 9.188 | 996 | 1004 | 1016 | rBV2 | 381973 | 785217 | 22.16% | 5.508% |
| 9 | 10.057 | 1145 | 1152 | 1172 | rBV | 274117 | 676664 | 19.09% | 4.746% |
| 10 | 11.738 | 1431 | 1438 | 1459 | rBV | 107055 | 257336 | 7.26% | 1.805% |
| 11 | 14.100 | 1833 | 1840 | 1857 | rBV | 1029812 | 1716919 | 48.44% | 12.043% |
| 12 | 15.474 | 2068 | 2074 | 2081 | rBV2 | 223968 | 397037 | 11.20% | 2.785% |
| 13 | 16.238 | 2198 | 2204 | 2210 | rVB | 52049 | 69555 | 1.96% | 0.488% |
| 14 | 16.943 | 2317 | 2324 | 2341 | rBV | 625228 | 1076974 | 30.39% | 7.554% |
| 15 | 17.878 | 2477 | 2483 | 2489 | rBV2 | 53324 | 66321 | 1.87% | 0.465% |
| 16 | 18.201 | 2532 | 2538 | 2545 | rBV | 364246 | 632543 | 17.85% | 4.437% |
| 17 | 19.282 | 2717 | 2722 | 2726 | rBV | 35534 | 41633 | 1.17% | 0.292% |
| 18 | 19.887 | 2821 | 2825 | 2829 | rVB | 31385 | 38848 | 1.10% | 0.272% |
| 19 | 20.204 | 2871 | 2879 | 2884 | rBV2 | 35532 | 58300 | 1.64% | 0.409% |
| 20 | 20.445 | 2916 | 2920 | 2925 | rBV2 | 30181 | 36843 | 1.04% | 0.258% |
| 21 | 20.557 | 2932 | 2939 | 2944 | rBV | 34397 | 58660 | 1.66% | 0.411% |
| 22 | 20.721 | 2961 | 2967 | 2980 | rBV | 2519098 | 3544129 | 100.00% | 24.859% |
| 23 | 22.548 | 3268 | 3278 | 3285 | rBV | 392731 | 791509 | 22.33% | 5.552% |
| 24 | 24.176 | 3550 | 3555 | 3561 | rVB4 | 17391 | 36190 | 1.02% | 0.254% |
| 25 | 26.303 | 3905 | 3917 | 3932 | rVB2 | 209311 | 702473 | 19.82% | 4.927% |
| 26 | 29.194 | 4401 | 4409 | 4419 | rVB7 | 11683 | 41228 | 1.16% | 0.289% |

Sum of corrected areas: 14256976

LSC Report - Integrated Chromatogram

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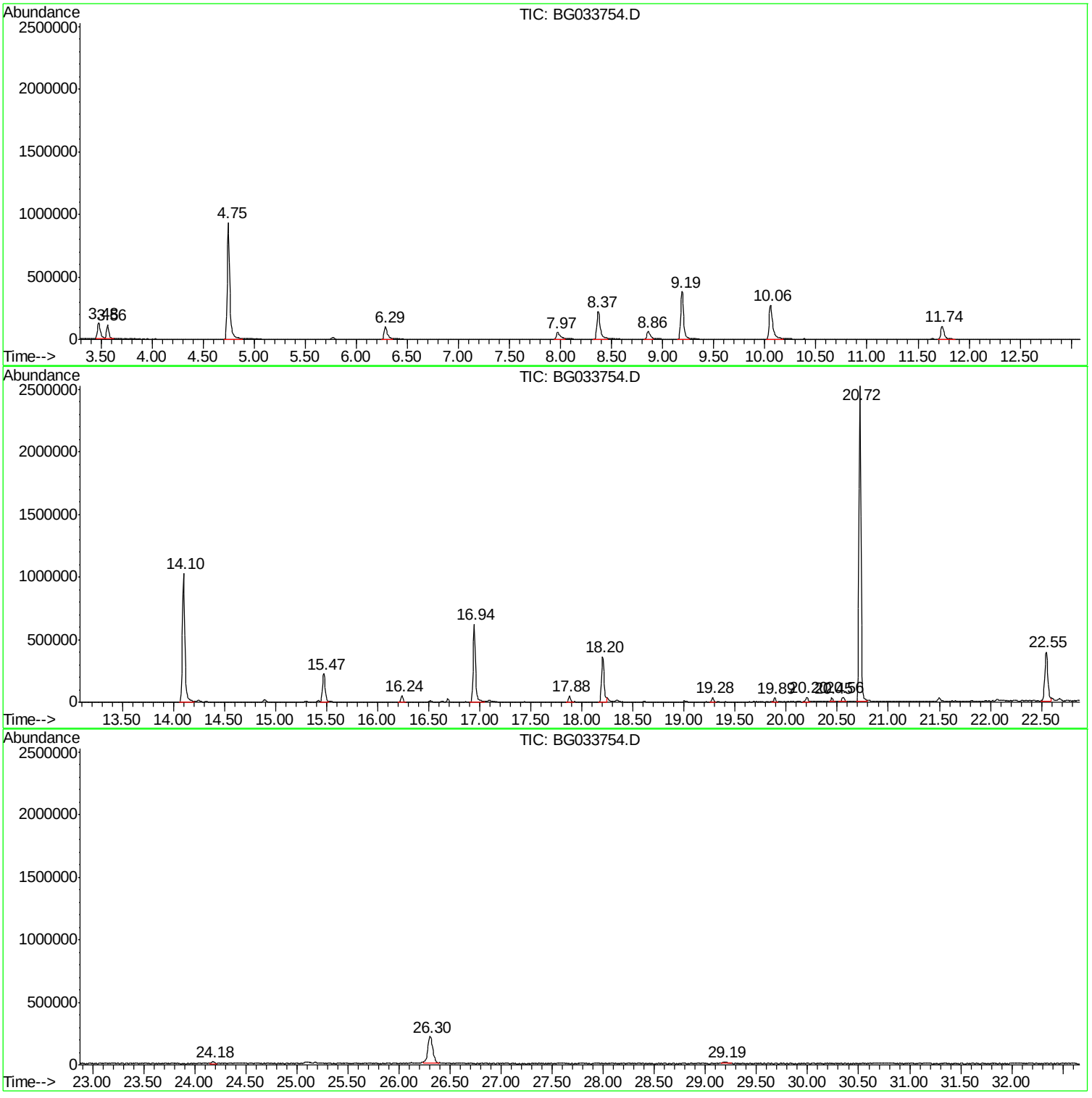
Operator : SJ/JU
Sample : J2320-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** 040918-DBRI-E-U-S

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG031918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG041118\
Data File : BG033754.D
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Operator : SJ/JU
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**Instrument :** BNA_G
**ClientSampleId :** 040918-DBRI-E-U-S

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG031918.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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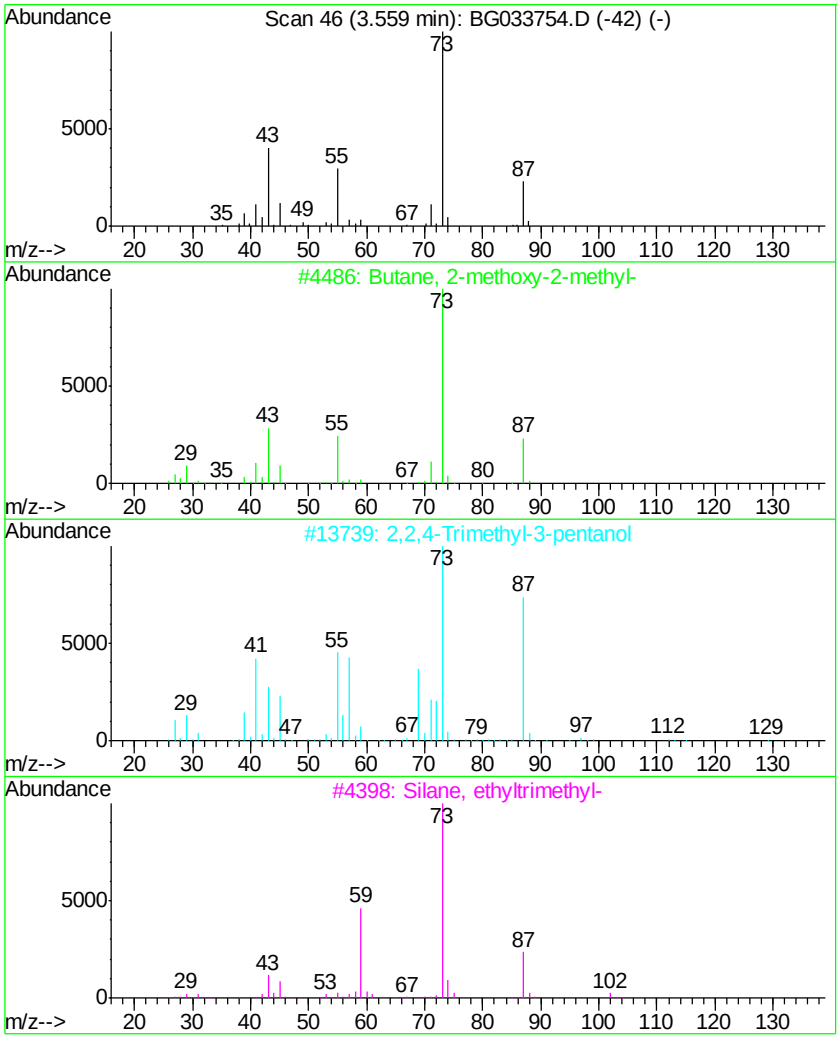
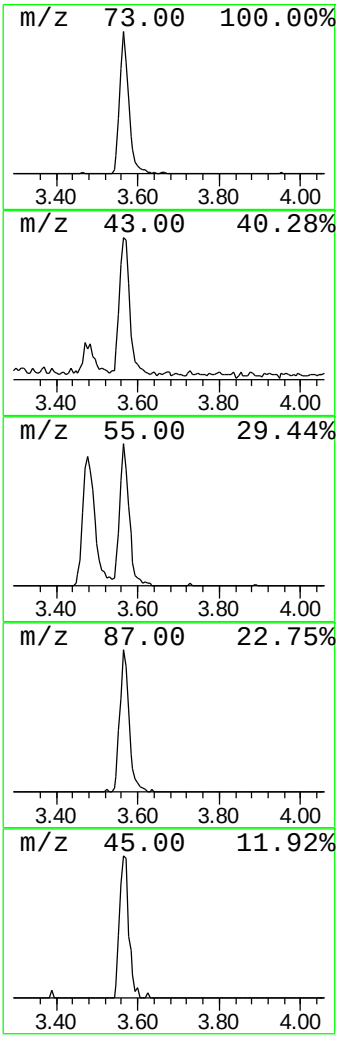
Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.56 | 22.46 ng | 178934 | 1,4-Dichlorobenzene-d4 | 8.86 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 78 |
| 2 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 40 |
| 3 | Silane, ethyltrimethyl- | 102 | C5H14Si | 003439-38-1 | 33 |
| 4 | 2-Methyl-5-hexen-3-ol | 114 | C7H14O | 032815-70-6 | 17 |
| 5 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |



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Acq On : 11 Apr 2018 20:40
Operator : SJ/JU
Sample : J2320-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** 040918-DBRI-E-U-S

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG031918.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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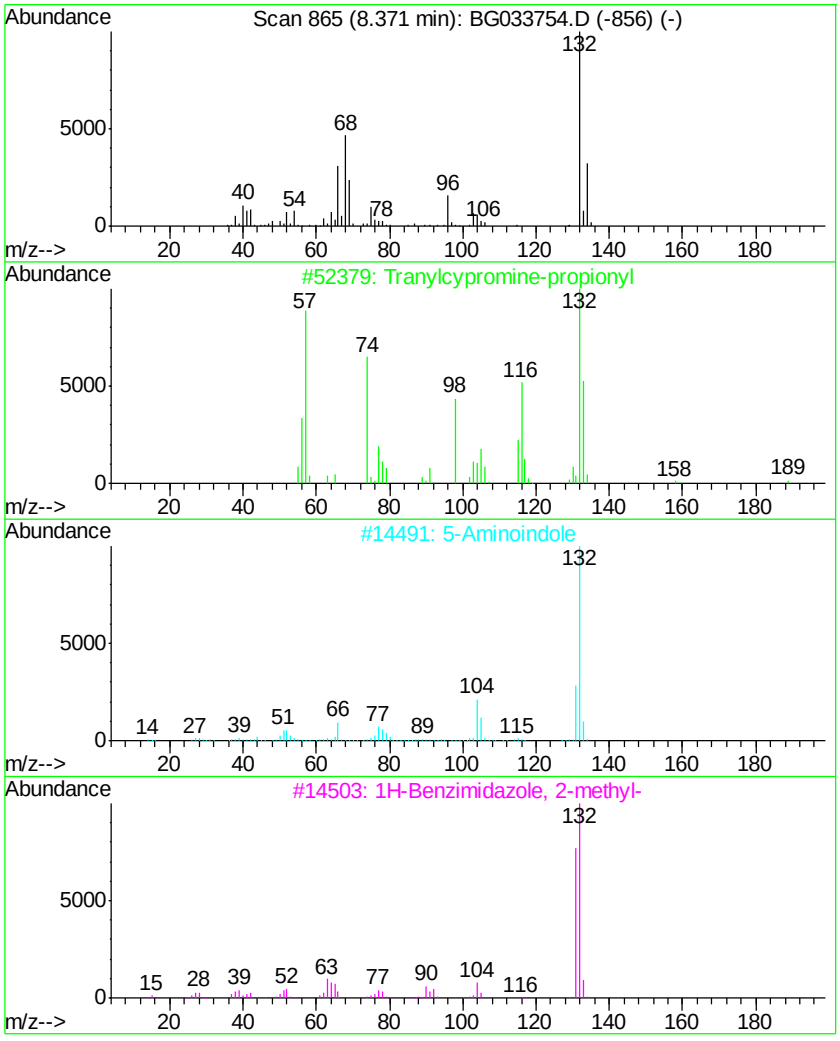
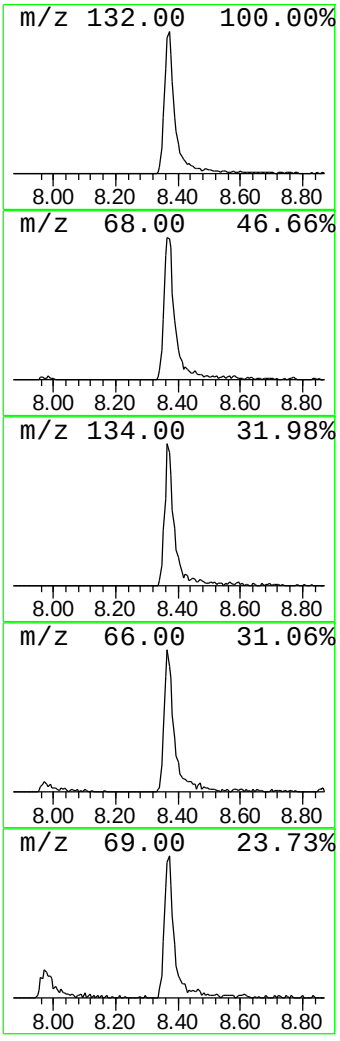
Peak Number 4 unknown8.37 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.37 | 66.10 ng | 526516 | 1,4-Dichlorobenzene-d4 | 8.86 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 22 |
| 2 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 22 |
| 3 | 1H-Benzimidazole, 2-methyl- | 132 | C8H8N2 | 000615-15-6 | 22 |
| 4 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 16 |
| 5 | 1,3,4-Thiadiazole-2(3H)-thione, ... | 132 | C3H4N2S2 | 029490-19-5 | 12 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG041118\
Data File : BG033754.D
Acq On : 11 Apr 2018 20:40
Operator : SJ/JU
Sample : J2320-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** 040918-DBRI-E-U-S

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG031918.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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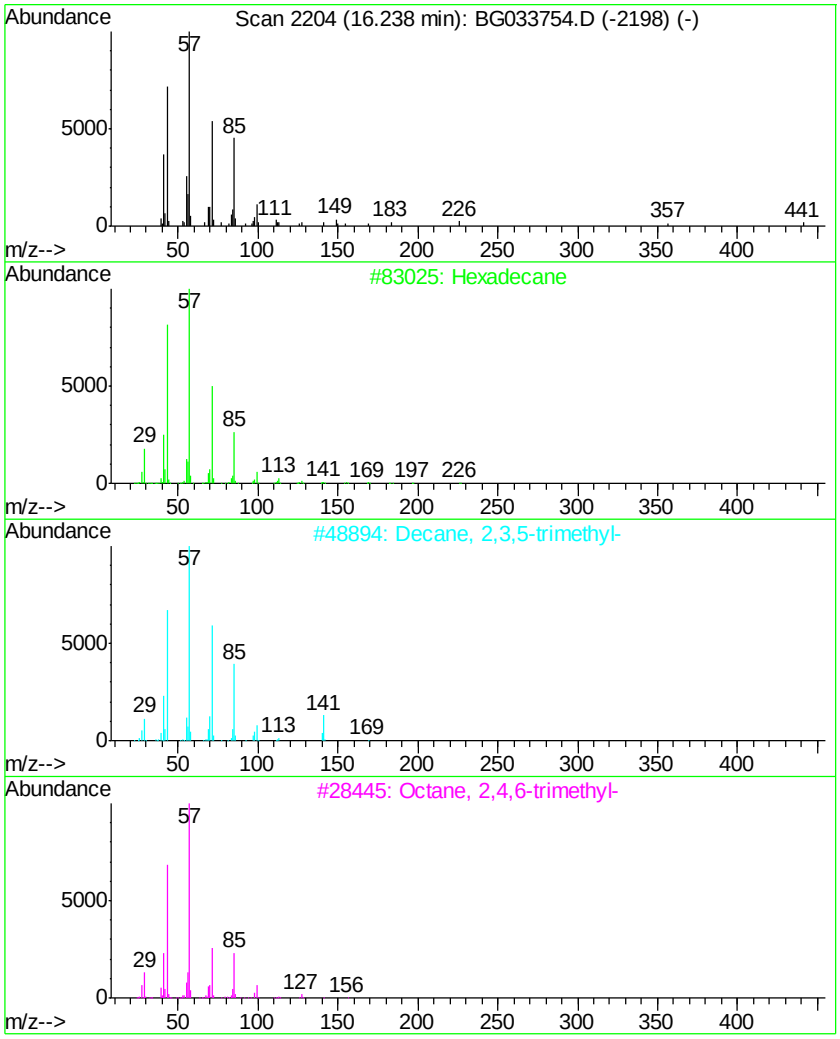
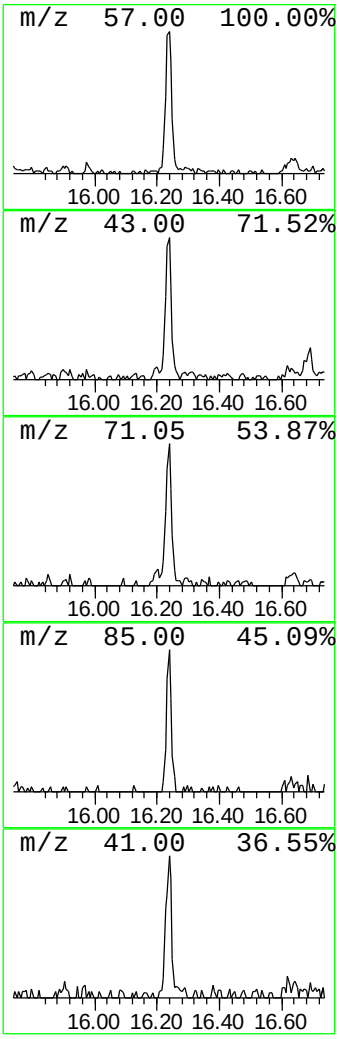
Peak Number 6 Hexadecane Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.24 | 3.50 ng | 69555 | Acenaphthene-d10 | 15.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 93 |
| 2 | Decane, 2,3,5-trimethyl- | 184 | C13H28 | 062238-11-3 | 86 |
| 3 | Octane, 2,4,6-trimethyl- | 156 | C11H24 | 062016-37-9 | 86 |
| 4 | Pentadecane | 212 | C15H32 | 000629-62-9 | 72 |
| 5 | Decane, 3-bromo- | 220 | C10H21Br | 030571-71-2 | 53 |



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Acq On : 11 Apr 2018 20:40
Operator : SJ/JU
Sample : J2320-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** 040918-DBRI-E-U-S

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG031918.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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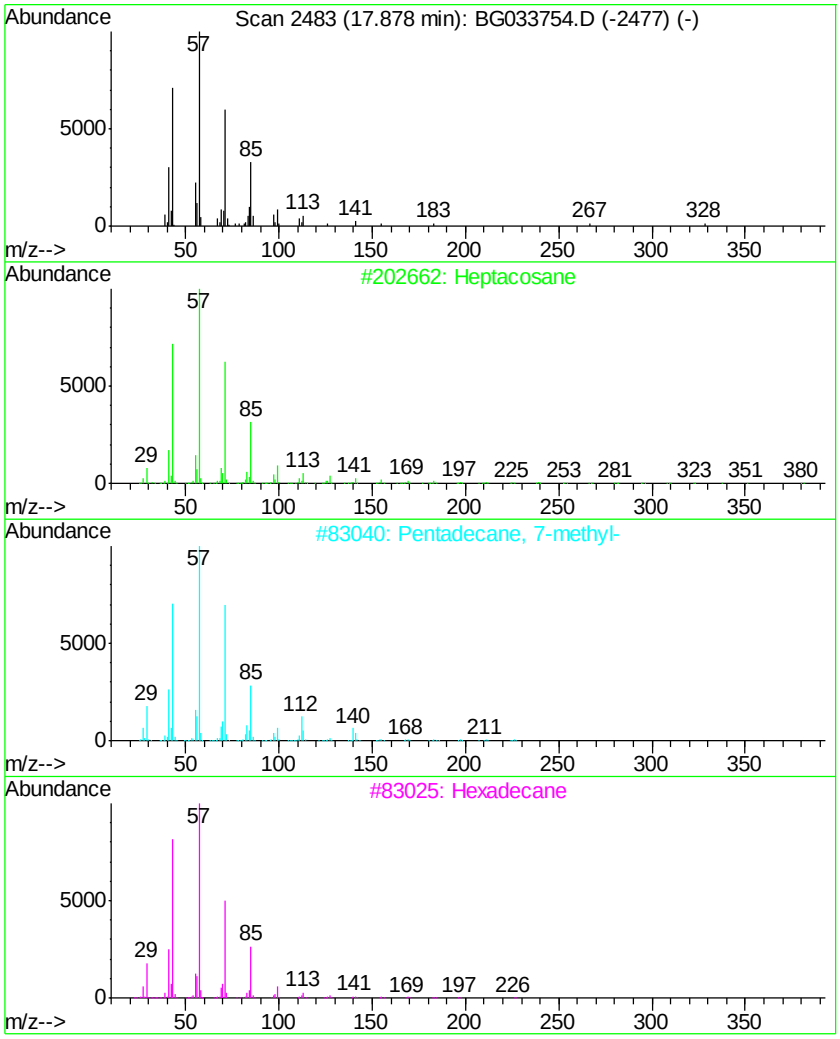
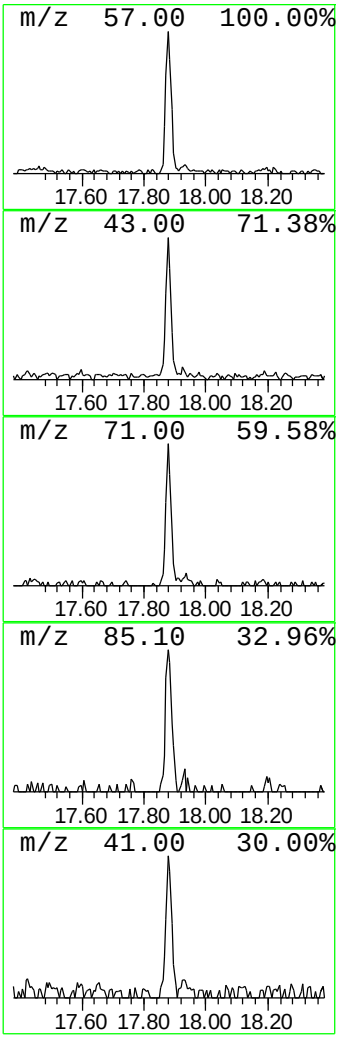
Peak Number 7 Heptacosane Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.88 | 2.10 ng | 66321 | Phenanthrene-d10 | 18.20 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptacosane | 380 | C27H56 | 000593-49-7 | 80 |
| 2 | Pentadecane, 7-methyl- | 226 | C16H34 | 006165-40-8 | 78 |
| 3 | Hexadecane | 226 | C16H34 | 000544-76-3 | 72 |
| 4 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 64 |
| 5 | Dodecane, 1-iodo- | 296 | C12H25I | 004292-19-7 | 64 |



Tentatively Identified Compound (LSC) summary

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Operator : SJ/JU
Sample : J2320-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** 040918-DBRI-E-U-S

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG031918.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 |
| Butane, 2-methoxy... | 3.56 | 22.5 | ng | 178934 | 1 | 8.86 | 159303 | 20.0 |
| unknown8.37 | 8.37 | 66.1 | ng | 526516 | 1 | 8.86 | 159303 | 20.0 |
| Hexadecane | 16.24 | 3.5 | ng | 69555 | 3 | 15.47 | 397037 | 20.0 |
| Heptacosane | 17.88 | 2.1 | ng | 66321 | 4 | 18.20 | 632543 | 20.0 |