LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110316\
Data File : BG024652.D
Acq On : 3 Nov 2016 14:30
Operator : UM/SJ
Sample : H5491-17
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** GW-75-10.4-18.0

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 | 3.604 | 123 | 130 | 150 | rBV | 11696390 | 23437049 | 100.00% | 36.289% |
| 2 | 5.331 | 417 | 424 | 432 | rBV | 531091 | 845578 | 3.61% | 1.309% |
| 3 | 5.801 | 497 | 504 | 516 | rVB | 954928 | 1627940 | 6.95% | 2.521% |
| 4 | 7.399 | 770 | 776 | 790 | rVB | 651056 | 1202918 | 5.13% | 1.863% |
| 5 | 7.793 | 832 | 843 | 852 | rBV | 1543032 | 2800644 | 11.95% | 4.336% |
| 6 | 8.269 | 917 | 924 | 933 | rVB | 440153 | 793101 | 3.38% | 1.228% |
| 7 | 8.592 | 971 | 979 | 987 | rVB | 1364350 | 2530467 | 10.80% | 3.918% |
| 8 | 9.444 | 1116 | 1124 | 1134 | rVB | 1270579 | 2280704 | 9.73% | 3.531% |
| 9 | 11.095 | 1396 | 1405 | 1416 | rVB | 562499 | 1080129 | 4.61% | 1.672% |
| 10 | 11.994 | 1552 | 1558 | 1565 | rVB3 | 135492 | 274728 | 1.17% | 0.425% |
| 11 | 13.510 | 1806 | 1816 | 1825 | rBV | 3100046 | 4867687 | 20.77% | 7.537% |
| 12 | 14.885 | 2042 | 2050 | 2060 | rVB | 940135 | 1504414 | 6.42% | 2.329% |
| 13 | 16.365 | 2293 | 2302 | 2312 | rBV | 2906793 | 4688868 | 20.01% | 7.260% |
| 14 | 17.623 | 2510 | 2516 | 2523 | rBV2 | 1231337 | 2039346 | 8.70% | 3.158% |
| 15 | 18.469 | 2656 | 2660 | 2668 | rBV2 | 159069 | 261993 | 1.12% | 0.406% |
| 16 | 20.208 | 2949 | 2956 | 2962 | rBV | 6490924 | 8870661 | 37.85% | 13.735% |
| 17 | 21.918 | 3241 | 3247 | 3255 | rVB2 | 1594155 | 2763092 | 11.79% | 4.278% |
| 18 | 25.349 | 3820 | 3831 | 3842 | rBV3 | 884372 | 2714689 | 11.58% | 4.203% |

Sum of corrected areas: 64584008

LSC Report - Integrated Chromatogram

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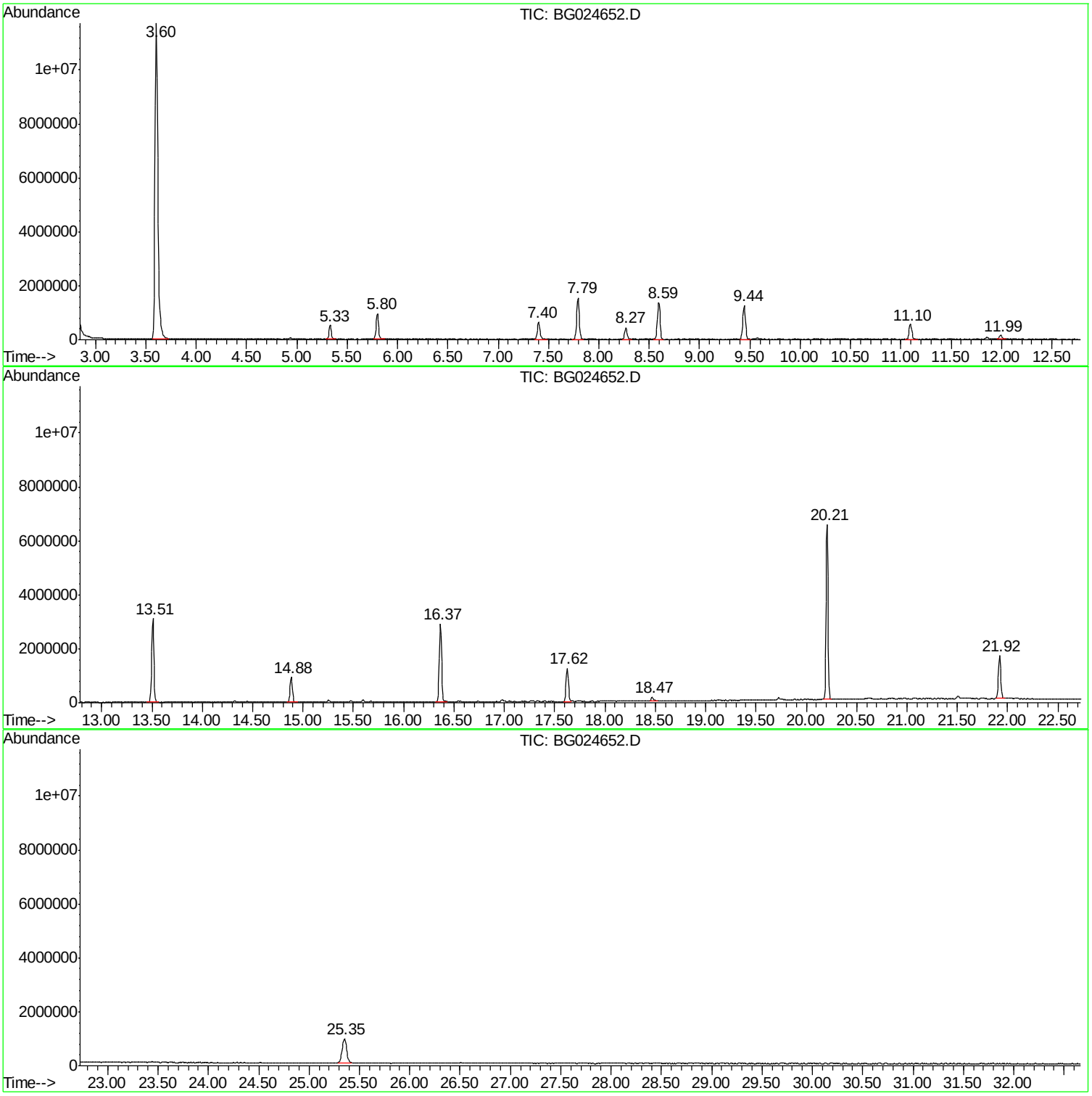
**Instrument :**
BNA_G
**ClientSampleId :**
GW-75-10.4-18.0

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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**Instrument :** BNA_G
**ClientSampleId :** GW-75-10.4-18.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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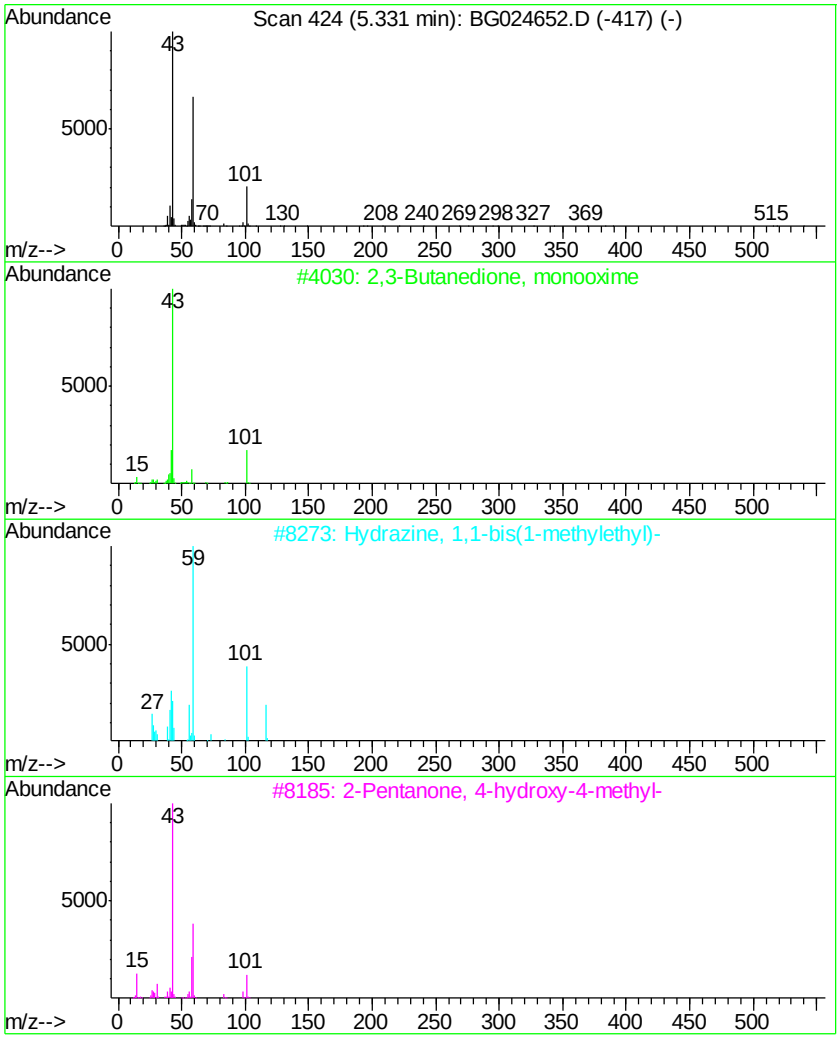
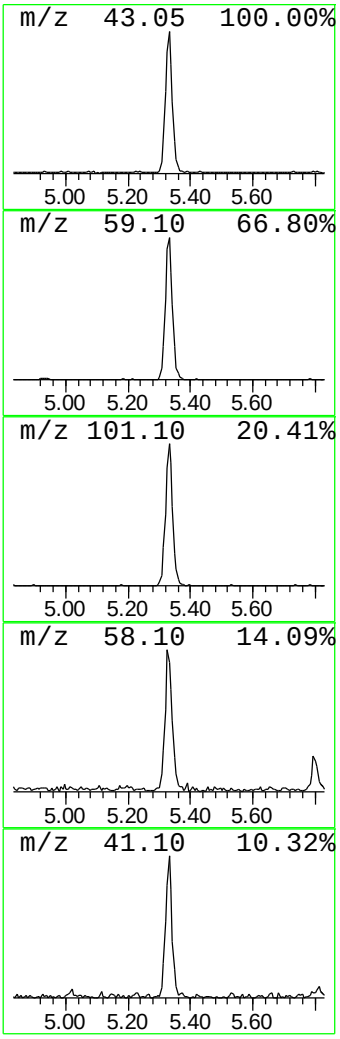
Peak Number 2 unknown5.33 Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.33 | 21.32 ng | 845578 | 1,4-Dichlorobenzene-d4 | 8.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 43 |
| 2 | Hydrazine, 1,1-bis(1-methylethyl)- | 116 | C6H16N2 | 000921-14-2 | 40 |
| 3 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 33 |
| 4 | 3-Hexanol, 4-methyl- | 116 | C7H16O | 000615-29-2 | 25 |
| 5 | 1,8-Nonanediol, 8-methyl- | 174 | C10H22O2 | 054725-73-4 | 23 |



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**ClientSampleId :** GW-75-10.4-18.0

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

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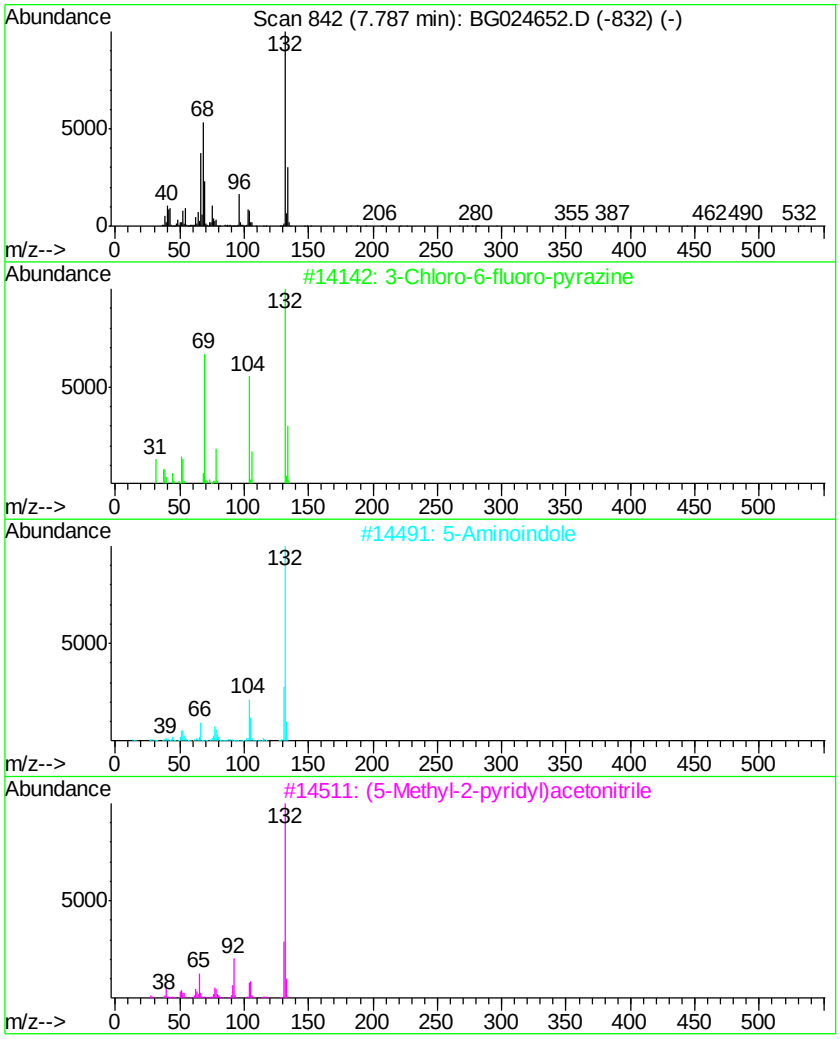
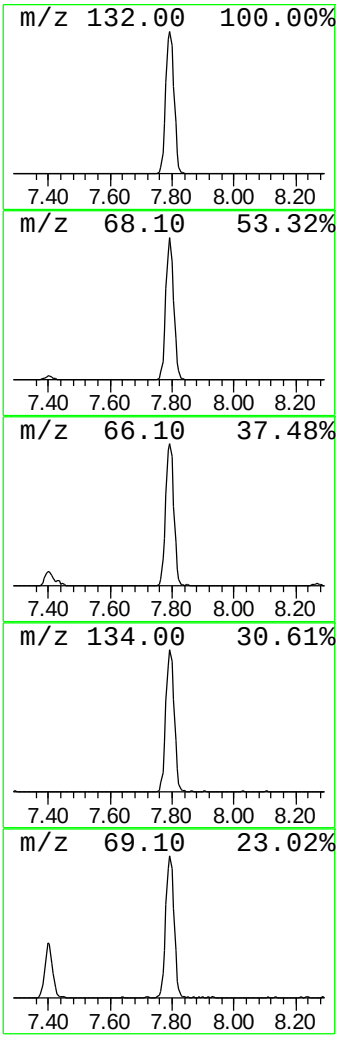
Peak Number 3 unknown7.79 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.79 | 70.63 ng | 2800640 | 1,4-Dichlorobenzene-d4 | 8.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 22 |
| 3 | (5-Methyl-2-pyridyl)acetonitrile | 132 | C8H8N2 | 1000241-93-9 | 22 |
| 4 | 1H-Benzimidazole, 2-methyl- | 132 | C8H8N2 | 000615-15-6 | 22 |
| 5 | 1,3-Cyclopentanedione, 2-chloro- | 132 | C5H5ClO2 | 014203-19-1 | 20 |



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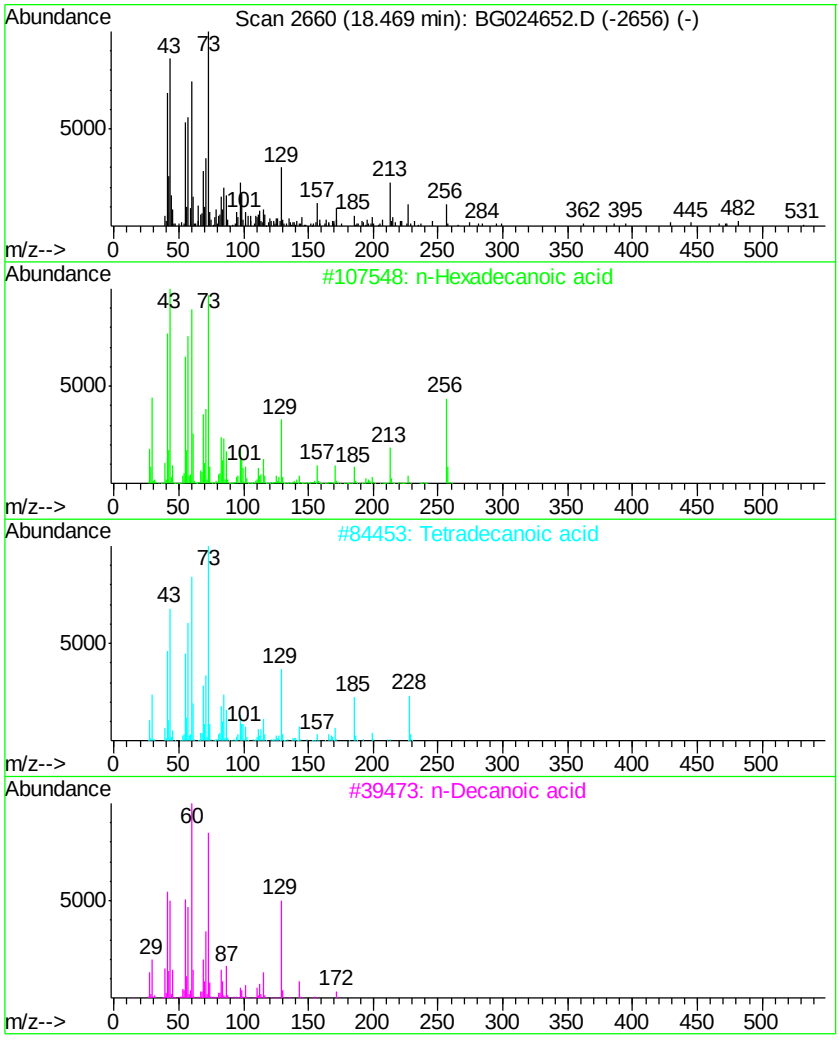
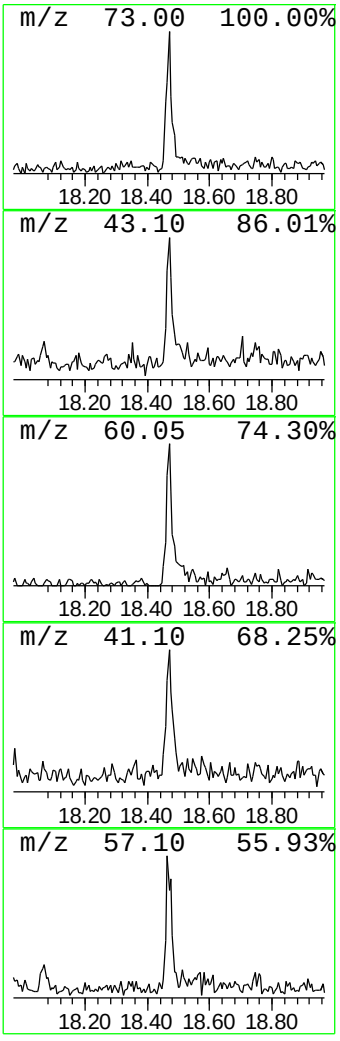
Peak Number 5 n-Hexadecanoic acid Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.47 | 2.57 ng | 261993 | Phenanthrene-d10 | 17.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 93 |
| 2 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 64 |
| 3 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 60 |
| 4 | Undecanoic acid | 186 | C11H22O2 | 000112-37-8 | 59 |
| 5 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 58 |



# Tentatively Identified Compound (LSC) summary

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**Instrument :** BNA_G
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| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| unknown5.33 | 5.33 | 21.3 | ng | 845578 | 1 | 8.27 | 793101 | 20.0 |
| unknown7.79 | 7.79 | 70.6 | ng | 2800640 | 1 | 8.27 | 793101 | 20.0 |
| n-Hexadecanoic acid | 18.47 | 2.6 | ng | 261993 | 4 | 17.62 | 2039350 | 20.0 |