LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110116\
Data File : BG024613.D
Acq On : 2 Nov 2016 5:05
Operator : UM/SJ
Sample : H5489-20
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SB-77-0.5-1.0

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 | 3.131 | 44 | 50 | 67 | rVB | 5384575 | 9793565 | 100.00% | 17.511% |
| 2 | 5.328 | 419 | 424 | 433 | rBV | 426332 | 689692 | 7.04% | 1.233% |
| 3 | 5.798 | 496 | 504 | 513 | rBV | 1884088 | 3212253 | 32.80% | 5.744% |
| 4 | 7.402 | 769 | 777 | 786 | rBV | 2051647 | 3631234 | 37.08% | 6.493% |
| 5 | 7.796 | 836 | 844 | 852 | rVB | 1865401 | 3357972 | 34.29% | 6.004% |
| 6 | 8.266 | 918 | 924 | 935 | rVB | 426150 | 775828 | 7.92% | 1.387% |
| 7 | 8.595 | 971 | 980 | 991 | rVB | 1344432 | 2405606 | 24.56% | 4.301% |
| 8 | 9.441 | 1115 | 1124 | 1133 | rBV | 1253881 | 2284980 | 23.33% | 4.086% |
| 9 | 11.092 | 1397 | 1405 | 1415 | rVB | 552367 | 1026267 | 10.48% | 1.835% |
| 10 | 13.507 | 1807 | 1816 | 1824 | rBV | 2980286 | 4739176 | 48.39% | 8.474% |
| 11 | 14.318 | 1948 | 1954 | 1963 | rBV | 742363 | 1135927 | 11.60% | 2.031% |
| 12 | 14.882 | 2043 | 2050 | 2057 | rBV | 955415 | 1518996 | 15.51% | 2.716% |
| 13 | 16.363 | 2295 | 2302 | 2312 | rBV | 2767544 | 4358329 | 44.50% | 7.793% |
| 14 | 16.539 | 2328 | 2332 | 2339 | rBV2 | 76453 | 135803 | 1.39% | 0.243% |
| 15 | 17.626 | 2510 | 2517 | 2527 | rVB | 1231648 | 1933611 | 19.74% | 3.457% |
| 16 | 17.961 | 2568 | 2574 | 2581 | rBV4 | 118520 | 216045 | 2.21% | 0.386% |
| 17 | 18.466 | 2653 | 2660 | 2666 | rBV3 | 110715 | 173382 | 1.77% | 0.310% |
| 18 | 20.205 | 2948 | 2956 | 2962 | rBV | 6127927 | 8695775 | 88.79% | 15.548% |
| 19 | 21.504 | 3172 | 3177 | 3185 | rBV7 | 103746 | 220177 | 2.25% | 0.394% |
| 20 | 21.921 | 3241 | 3248 | 3255 | rVB | 1509090 | 2729519 | 27.87% | 4.880% |
| 21 | 23.648 | 3535 | 3542 | 3546 | rBV3 | 109695 | 200162 | 2.04% | 0.358% |
| 22 | 25.346 | 3819 | 3831 | 3845 | rVB | 872732 | 2693765 | 27.51% | 4.816% |

Sum of corrected areas: 55928064

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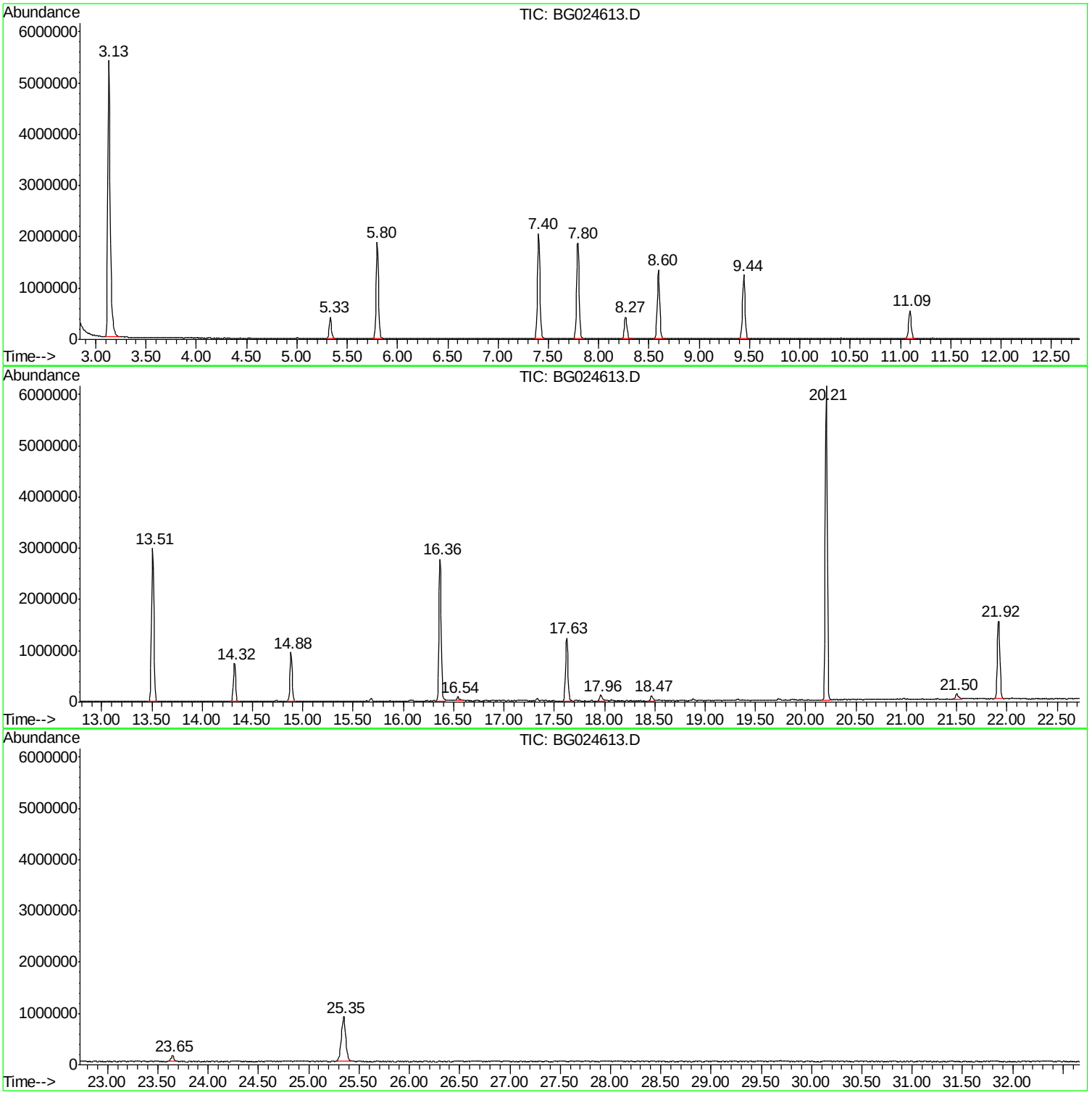
**Instrument :**
BNA_G
**ClientSampleId :**
SB-77-0.5-1.0

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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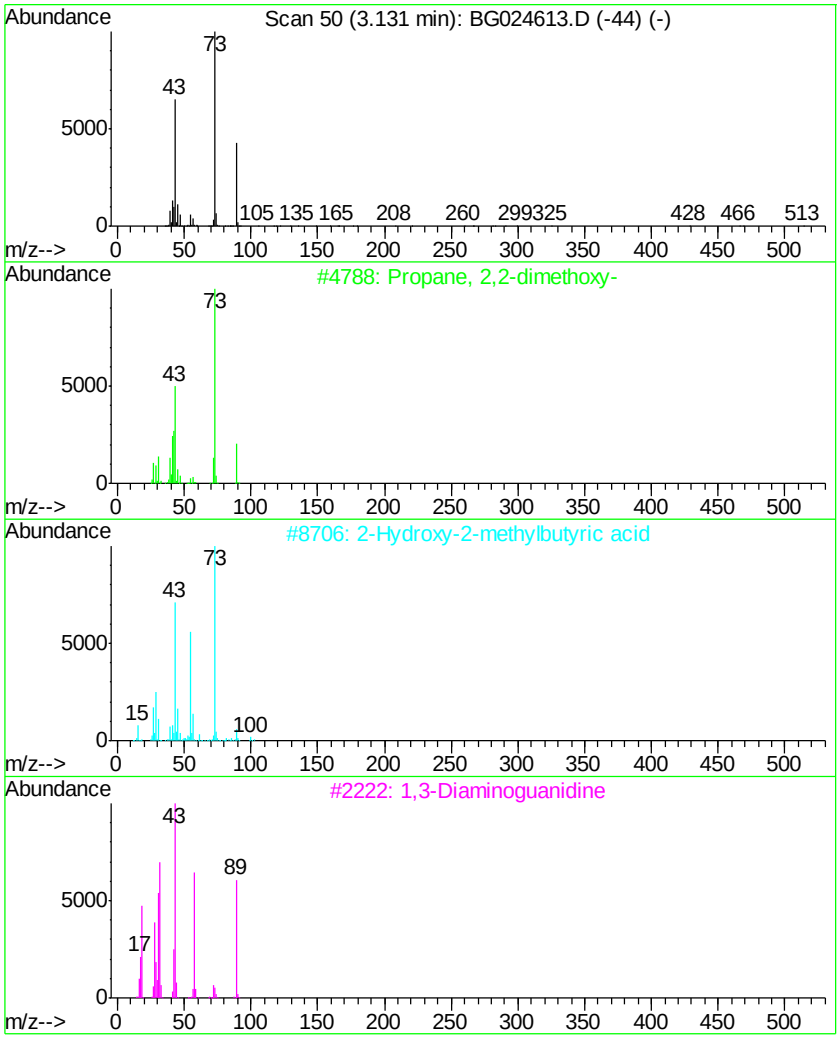
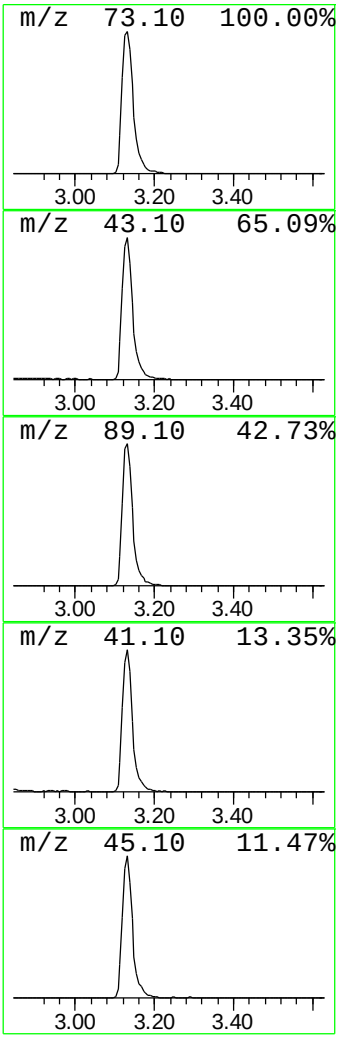
Peak Number 1 unknown3.13 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.13 | 252.47 ng | 9793570 | 1,4-Dichlorobenzene-d4 | 8.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propane, 2,2-dimethoxy- | 104 | C5H12O2 | 000077-76-9 | 40 |
| 2 | 2-Hydroxy-2-methylbutyric acid | 118 | C5H10O3 | 003739-30-8 | 17 |
| 3 | 1,3-Diaminoguanidine | 89 | CH7N5 | 004364-78-7 | 9 |
| 4 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |
| 5 | 1-Hexen-4-ol, 1-chloro-3,5-dimet... | 162 | C8H15ClO | 100244-09-5 | 9 |



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Sample : H5489-20
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SB-77-0.5-1.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
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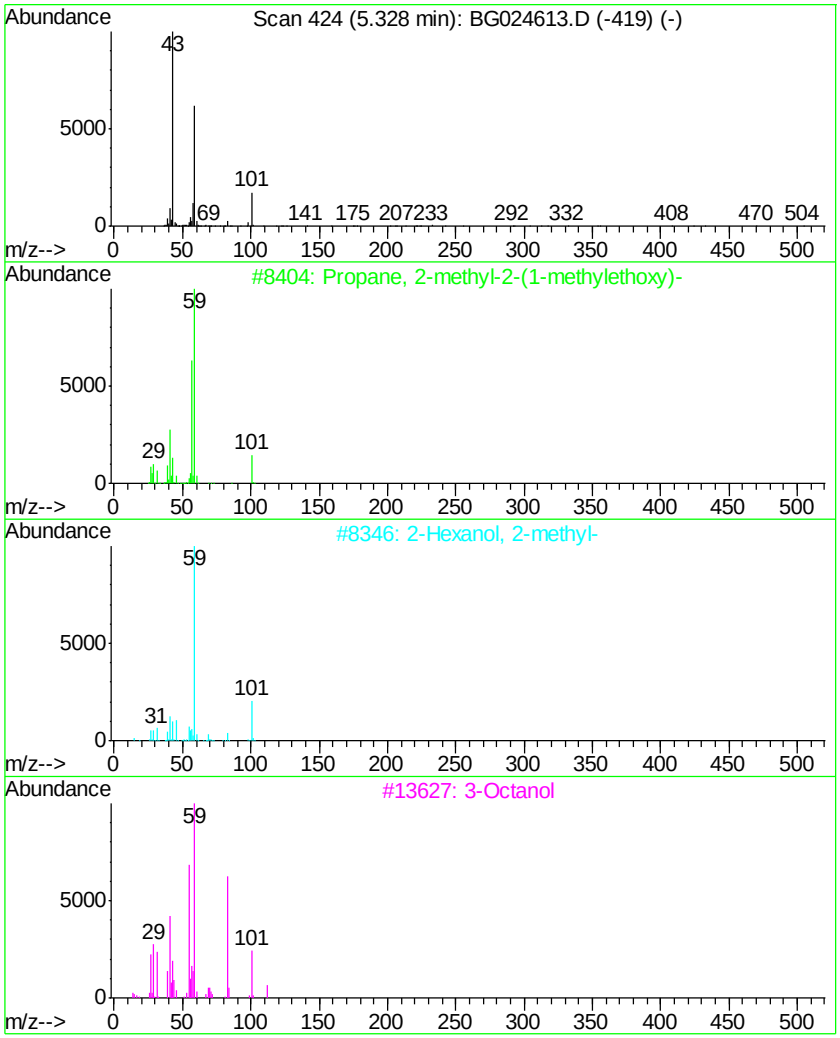
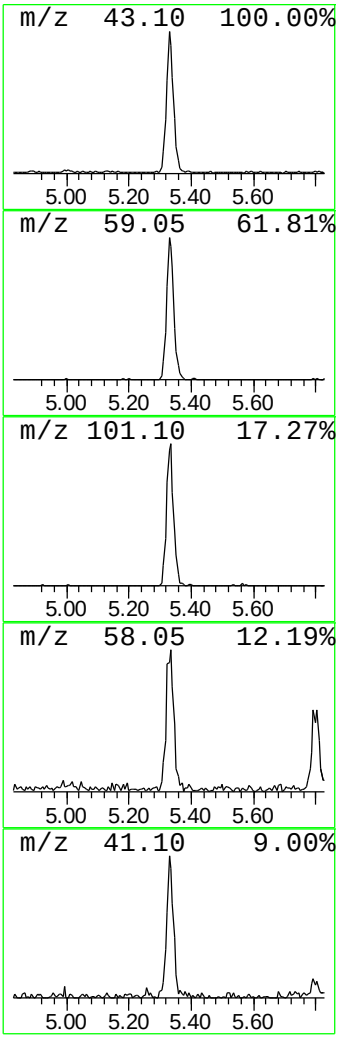
Peak Number 2 unknown5.33 Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.33 | 17.78 ng | 689692 | 1,4-Dichlorobenzene-d4 | 8.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O | 017348-59-3 | 38 |
| 2 | 2-Hexanol, 2-methyl- | 116 | C7H16O | 000625-23-0 | 37 |
| 3 | 3-Octanol | 130 | C8H18O | 000589-98-0 | 33 |
| 4 | 1,8-Nonanediol, 8-methyl- | 174 | C10H22O2 | 054725-73-4 | 32 |
| 5 | Propane, 2-ethoxy-2-methyl- | 102 | C6H14O | 000637-92-3 | 17 |



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Operator : UM/SJ
Sample : H5489-20
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SB-77-0.5-1.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
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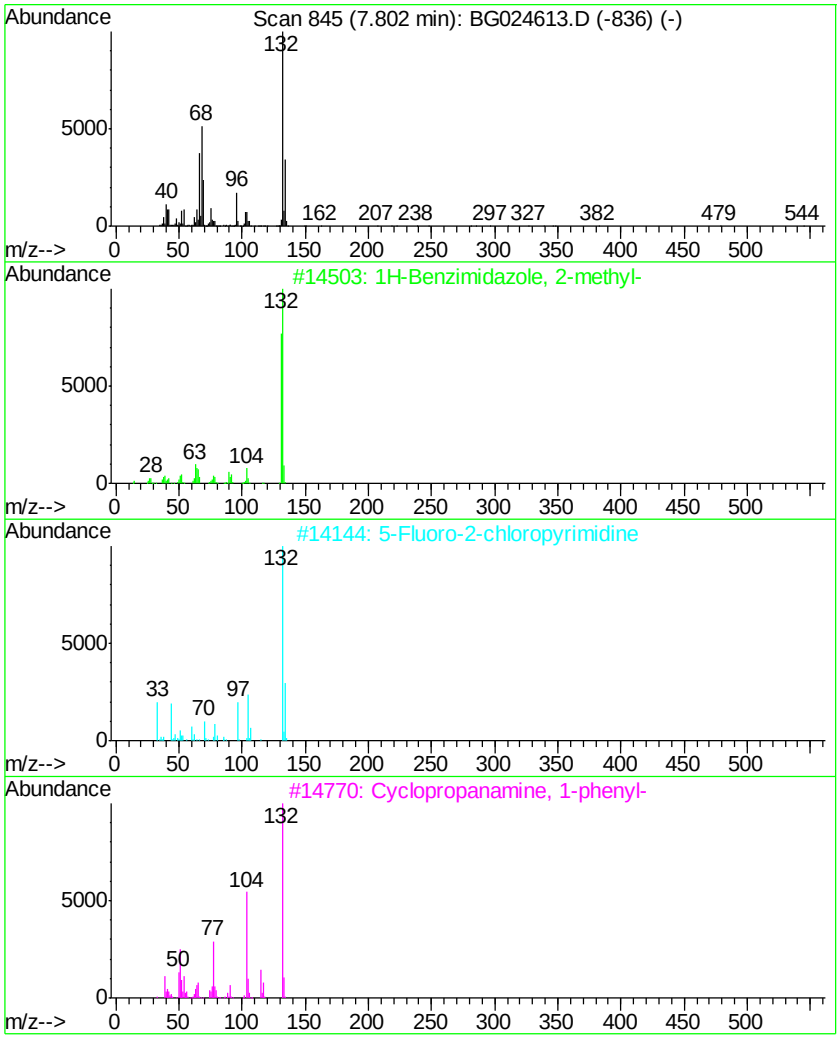
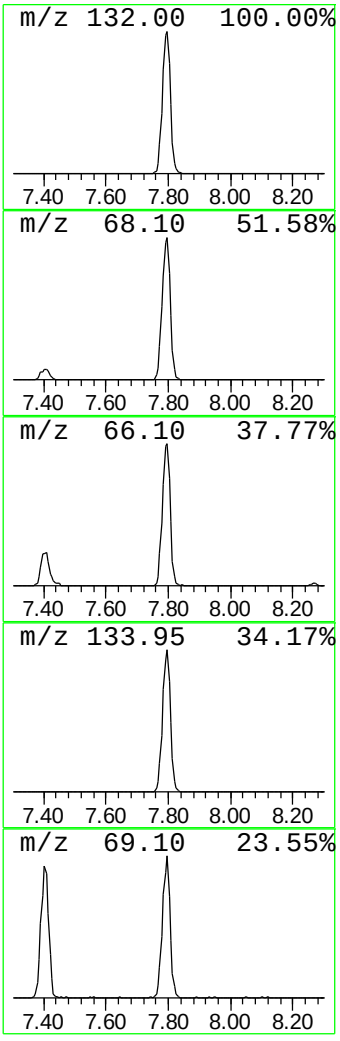
Peak Number 3 unknown7.80 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.80 | 86.56 ng | 3357970 | 1,4-Dichlorobenzene-d4 | 8.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Benzimidazole, 2-methyl- | 132 | C8H8N2 | 000615-15-6 | 14 |
| 2 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 10 |
| 3 | Cyclopropanamine, 1-phenyl- | 133 | C9H11N | 1000351-26-2 | 10 |
| 4 | (5-Methyl-2-pyridyl)acetonitrile | 132 | C8H8N2 | 1000241-93-9 | 10 |
| 5 | 1H-Indazole, 7-methyl- | 132 | C8H8N2 | 1000316-00-7 | 10 |



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Sample : H5489-20
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SB-77-0.5-1.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
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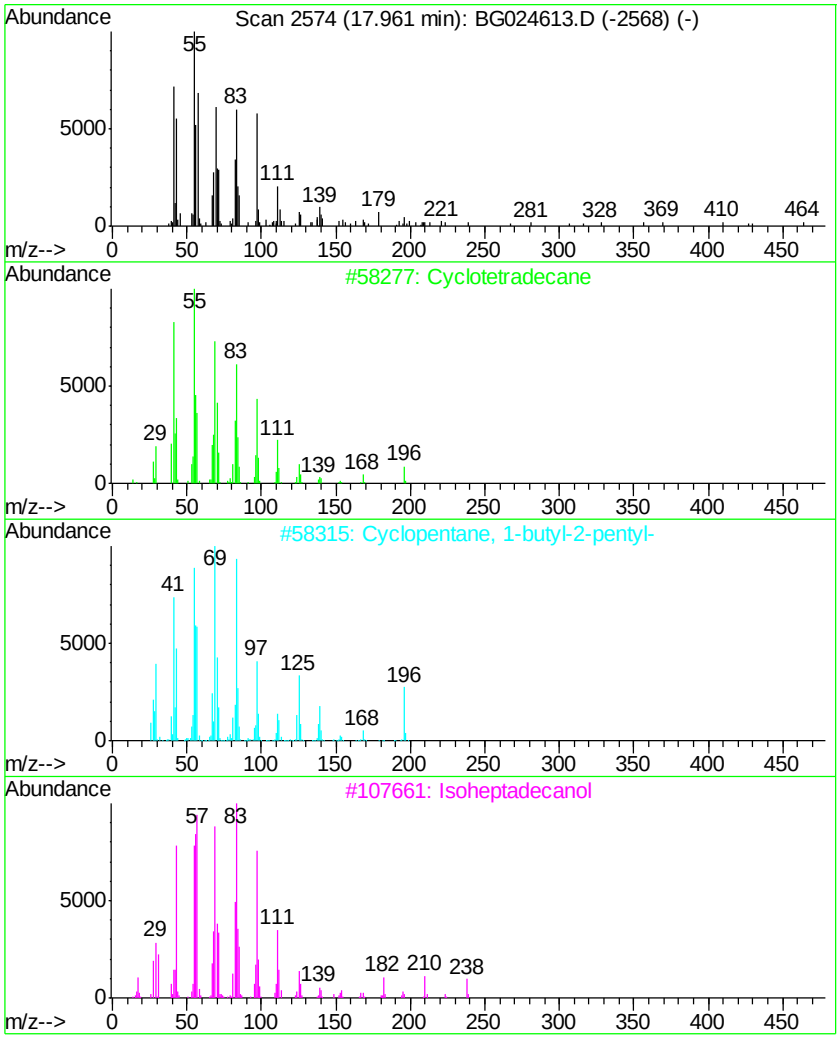
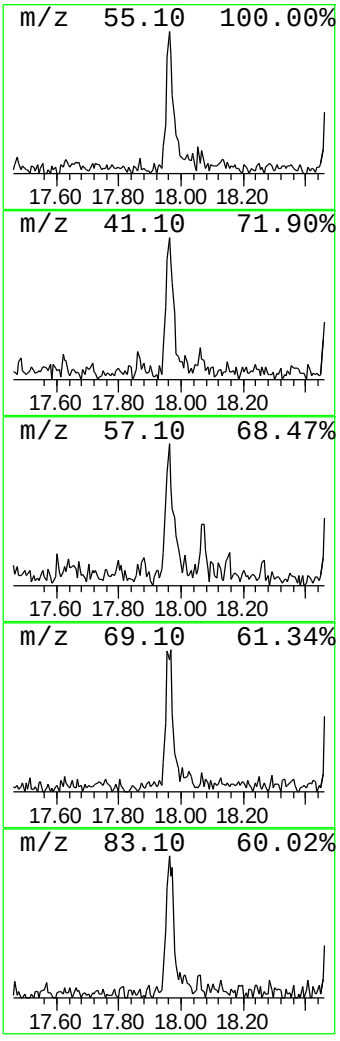
Peak Number 5 Cyclotetradecane Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.96 | 2.23 ng | 216045 | Phenanthrene-d10 | 17.63 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclotetradecane | 196 | C14H28 | 000295-17-0 | 86 |
| 2 | Cyclopentane, 1-butyl-2-pentyl- | 196 | C14H28 | 061142-52-7 | 76 |
| 3 | Isoheptadecanol | 256 | C17H36O | 057289-07-3 | 72 |
| 4 | 1-Octadecanol | 270 | C18H38O | 000112-92-5 | 72 |
| 5 | 9-Octadecene, (E)- | 252 | C18H36 | 007206-25-9 | 64 |



Tentatively Identified Compound (LSC) summary

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ALS Vial : 22 Sample Multiplier: 1

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| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| unknown3.13 | 3.13 | 252.5 | ng | 9793570 | 1 | 8.27 | 775828 | 20.0 |
| unknown5.33 | 5.33 | 17.8 | ng | 689692 | 1 | 8.27 | 775828 | 20.0 |
| unknown7.80 | 7.80 | 86.6 | ng | 3357970 | 1 | 8.27 | 775828 | 20.0 |
| Cyclotetradecane | 17.96 | 2.2 | ng | 216045 | 4 | 17.63 | 1933610 | 20.0 |