LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070221\
Data File : BG049178.D
Acq On : 2 Jul 2021 22:16
Operator : CG/JU
Sample : M2919-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** FK-BPM-01-B9-B9A-B10-B10A

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:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG063021.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG049178.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.127 | 9 | 15 | 24 | rBV2 | 37252 | 88919 | 2.92% | 0.652% |
| 2 | 3.209 | 24 | 29 | 35 | rVB2 | 18376 | 32349 | 1.06% | 0.237% |
| 3 | 5.166 | 356 | 362 | 370 | rVB | 18246 | 30625 | 1.01% | 0.224% |
| 4 | 5.636 | 433 | 442 | 452 | rBV | 738811 | 1197057 | 39.35% | 8.775% |
| 5 | 7.240 | 705 | 715 | 724 | rBV | 739903 | 1310057 | 43.06% | 9.603% |
| 6 | 8.086 | 848 | 859 | 865 | rBV | 136778 | 236854 | 7.79% | 1.736% |
| 7 | 9.249 | 1049 | 1057 | 1067 | rBV | 448553 | 844255 | 27.75% | 6.189% |
| 8 | 10.665 | 1293 | 1298 | 1306 | rBV2 | 22228 | 44236 | 1.45% | 0.324% |
| 9 | 10.906 | 1332 | 1339 | 1347 | rBV | 175773 | 322734 | 10.61% | 2.366% |
| 10 | 13.350 | 1747 | 1755 | 1763 | rBV | 1206748 | 1890750 | 62.15% | 13.860% |
| 11 | 14.731 | 1982 | 1990 | 1999 | rVB | 295278 | 478002 | 15.71% | 3.504% |
| 12 | 16.218 | 2236 | 2243 | 2253 | rBV | 1219294 | 1862445 | 61.22% | 13.652% |
| 13 | 17.475 | 2450 | 2457 | 2464 | rBV | 390440 | 614244 | 20.19% | 4.503% |
| 14 | 18.356 | 2602 | 2607 | 2616 | rBV5 | 17196 | 38580 | 1.27% | 0.283% |
| 15 | 20.084 | 2895 | 2901 | 2908 | rBV | 2299198 | 3042215 | 100.00% | 22.300% |
| 16 | 21.388 | 3118 | 3123 | 3134 | rBV3 | 78603 | 159401 | 5.24% | 1.168% |
| 17 | 21.764 | 3180 | 3187 | 3196 | rBV2 | 385741 | 657420 | 21.61% | 4.819% |
| 18 | 23.491 | 3475 | 3481 | 3487 | rVB4 | 43143 | 85581 | 2.81% | 0.627% |
| 19 | 25.066 | 3738 | 3749 | 3762 | rBV2 | 225423 | 706339 | 23.22% | 5.178% |

Sum of corrected areas: 13642063

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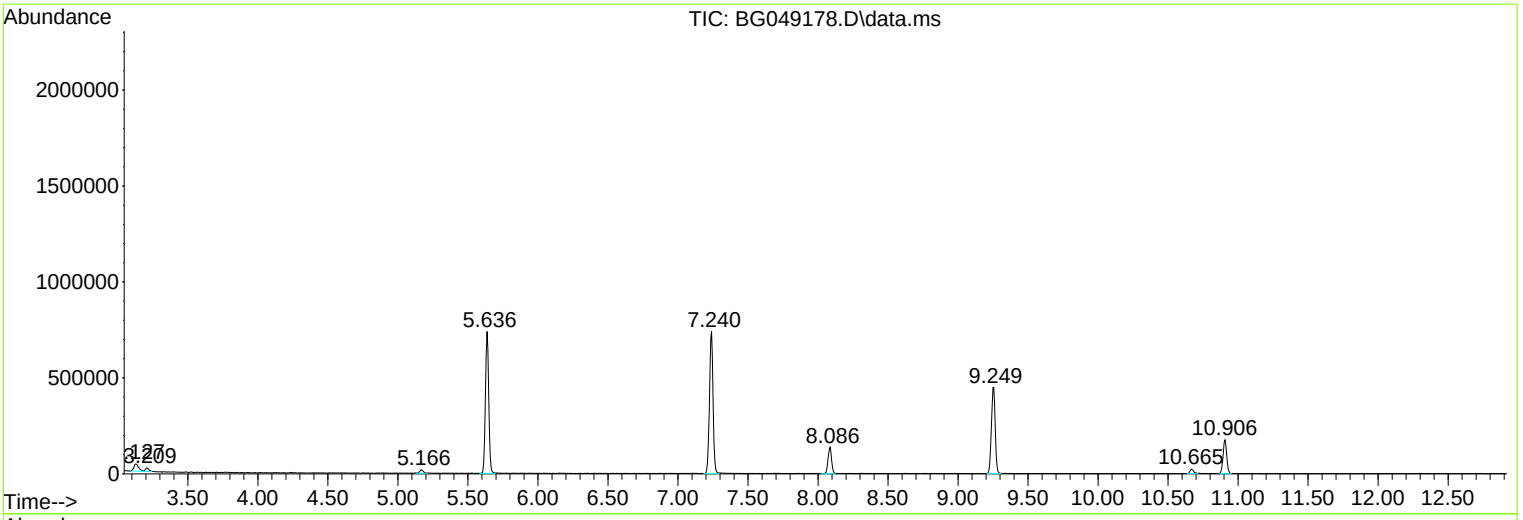
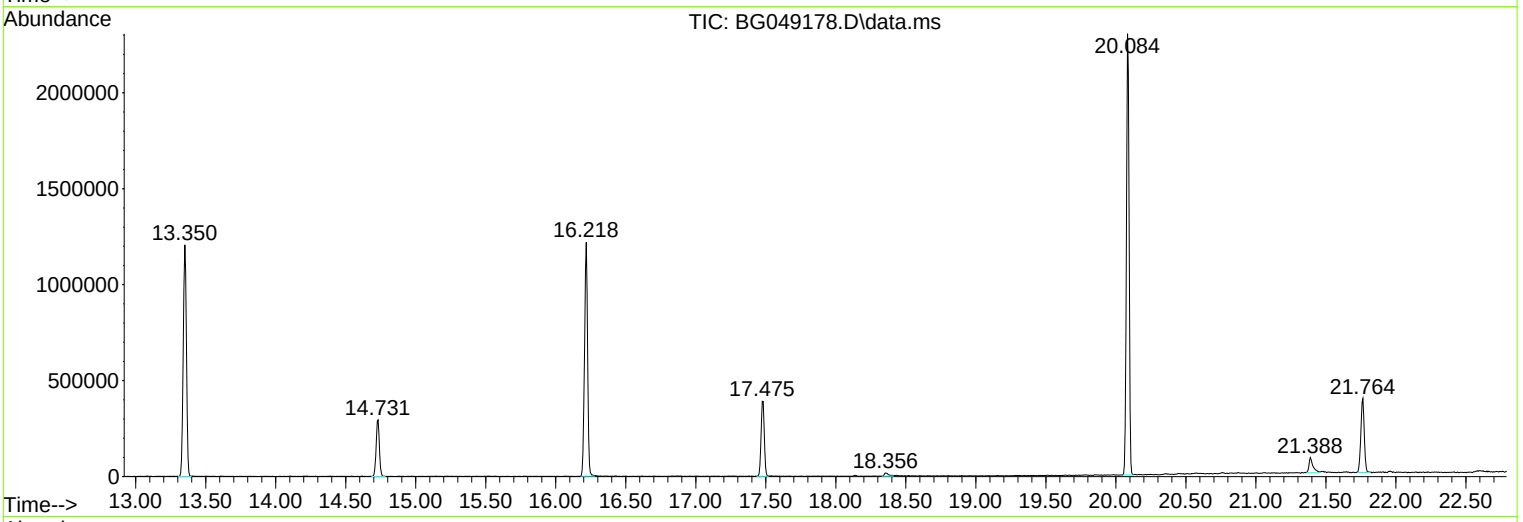
ALS Vial : 17 Sample Multiplier: 1

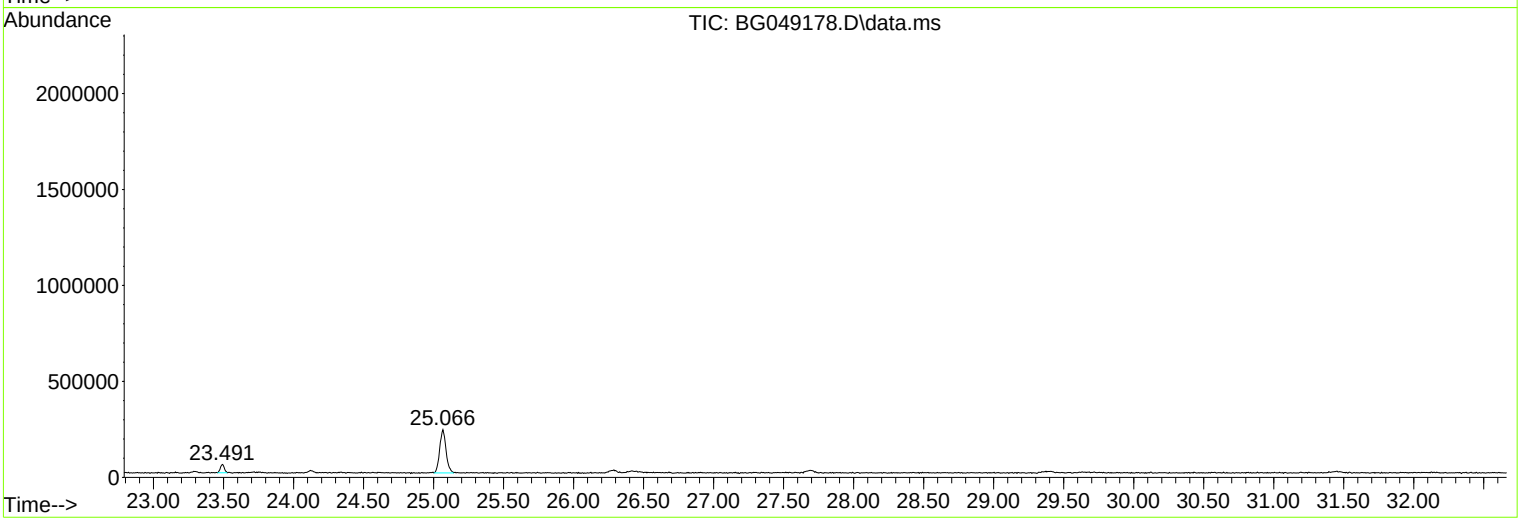
**Instrument :**
BNA_G
**ClientSampleId :**
FK-BPM-01-B9-B9A-B10-B10A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG063021.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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Data File : BG049178.D
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Operator : CG/JU
Sample : M2919-01
Misc :
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**Instrument :**
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FK-BPM-01-B9-B9A-B10-B10A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG063021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

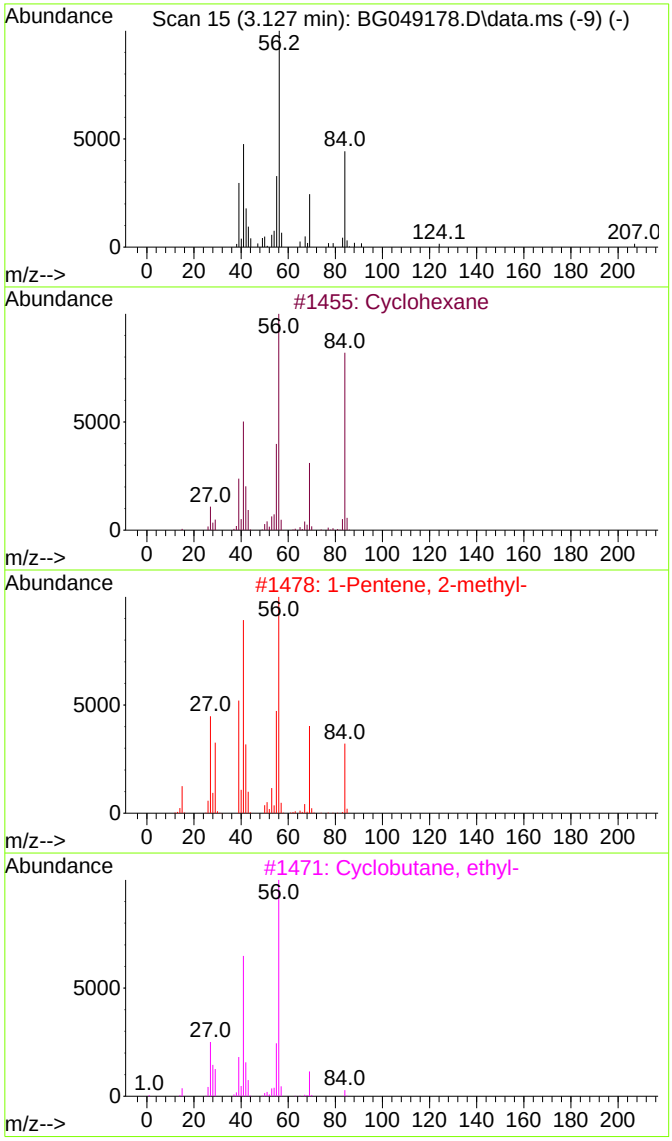
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

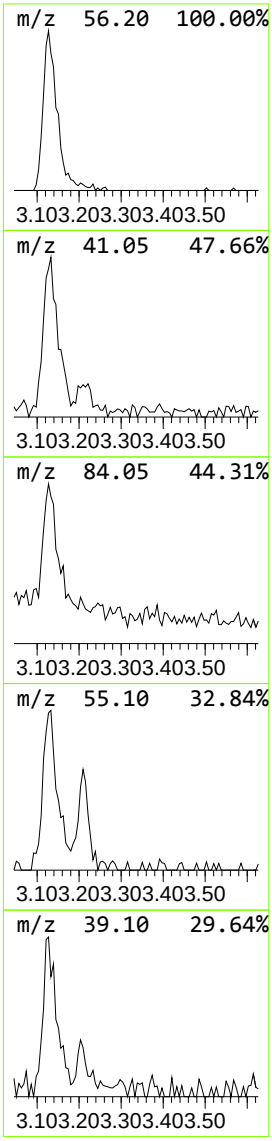
**********

Peak Number 1 Cyclohexane Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.127 | 7.51 ng | 88919 | 1,4-Dichlorobenzene-d4 | 8.086 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane | 84 | C6H12 | 000110-82-7 | 90 |
| 2 | 1-Pentene, 2-methyl- | 84 | C6H12 | 000763-29-1 | 56 |
| 3 | Cyclobutane, ethyl- | 84 | C6H12 | 004806-61-5 | 47 |
| 4 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 40 |
| 5 | 1-Hexene | 84 | C6H12 | 000592-41-6 | 39 |



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Data File : BG049178.D
Acq On : 2 Jul 2021 22:16
Operator : CG/JU
Sample : M2919-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
FK-BPM-01-B9-B9A-B10-B10A

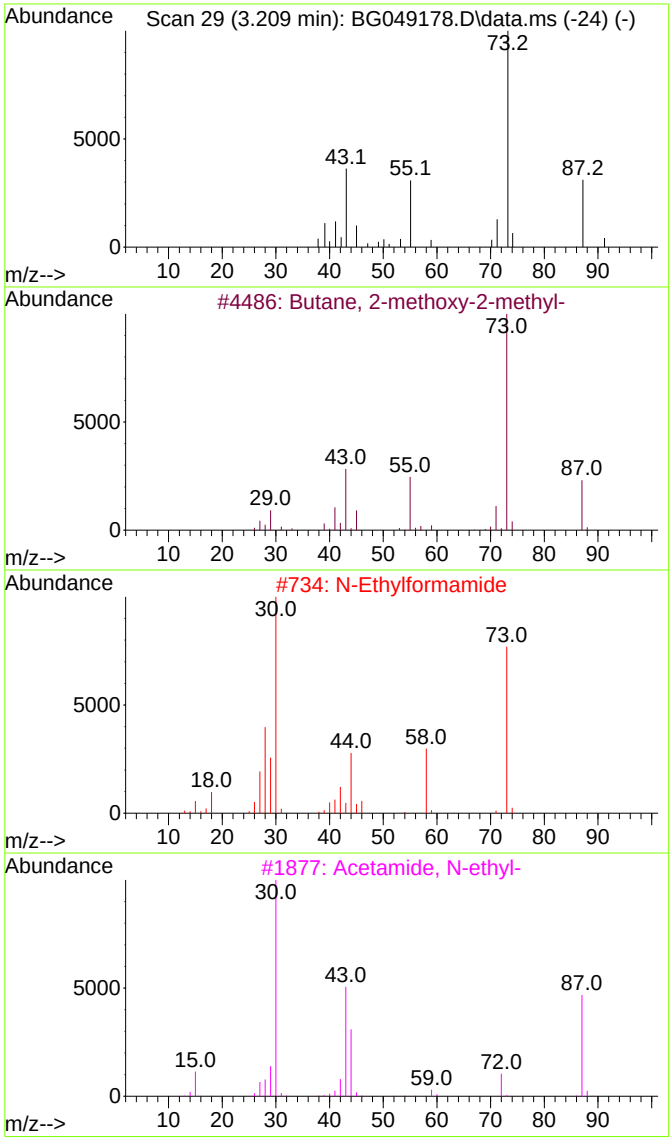
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG063021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

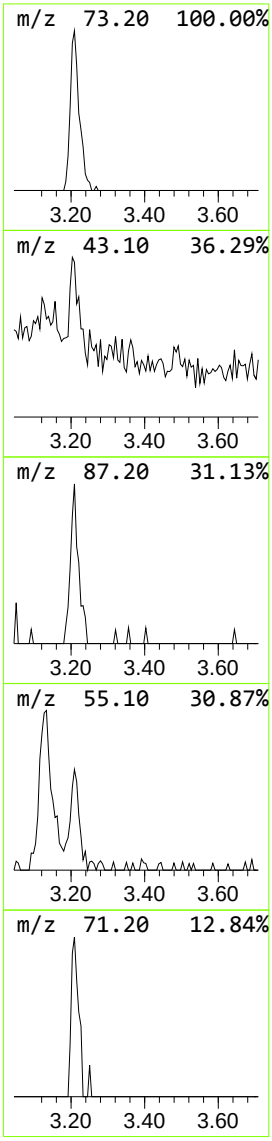
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.209 | 2.73 ng | 32349 | 1,4-Dichlorobenzene-d4 | 8.086 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 72 |
| 2 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |
| 3 | Acetamide, N-ethyl- | 87 | C4H9NO | 000625-50-3 | 9 |
| 4 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 9 |
| 5 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 9 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070221\
Data File : BG049178.D
Acq On : 2 Jul 2021 22:16
Operator : CG/JU
Sample : M2919-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
FK-BPM-01-B9-B9A-B10-B10A

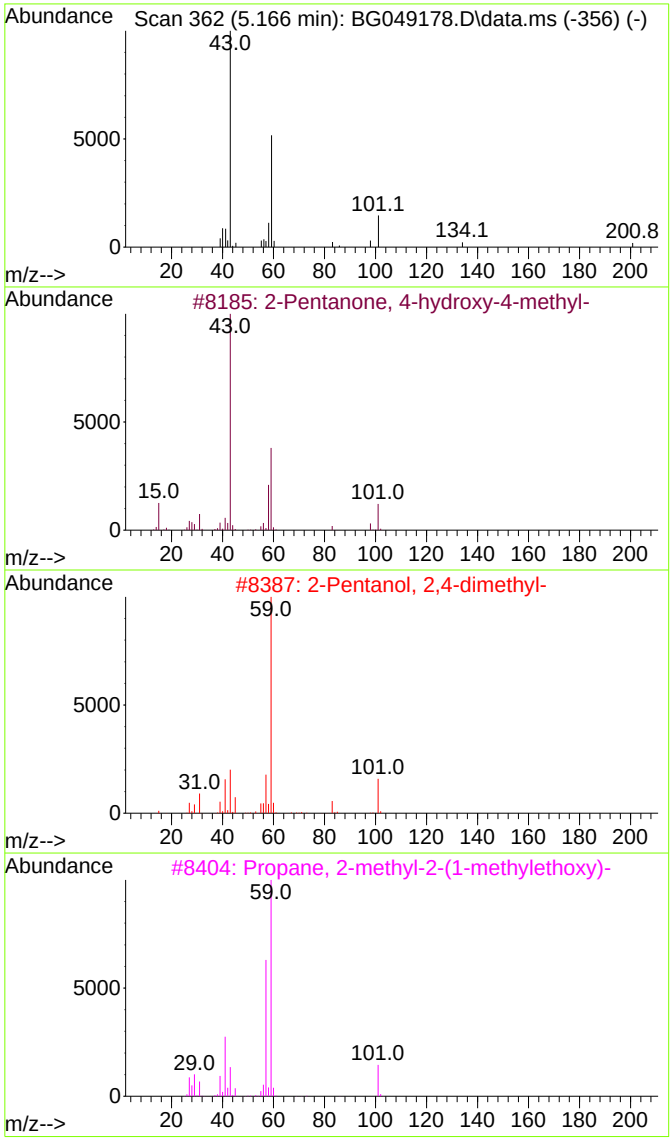
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG063021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

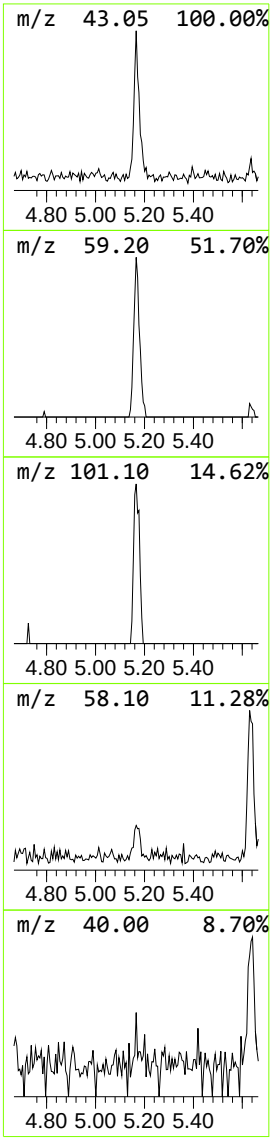
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.166 | 2.59 ng | 30625 | 1,4-Dichlorobenzene-d4 | 8.086 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 50 |
| 2 | 2-Pentanol, 2,4-dimethyl- | 116 | C7H16O | 000625-06-9 | 33 |
| 3 | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O | 017348-59-3 | 33 |
| 4 | 2-Hexanol, 2-methyl- | 116 | C7H16O | 000625-23-0 | 28 |
| 5 | 2-Pentanol, 2,3-dimethyl- | 116 | C7H16O | 004911-70-0 | 25 |



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Operator : CG/JU
Sample : M2919-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
FK-BPM-01-B9-B9A-B10-B10A

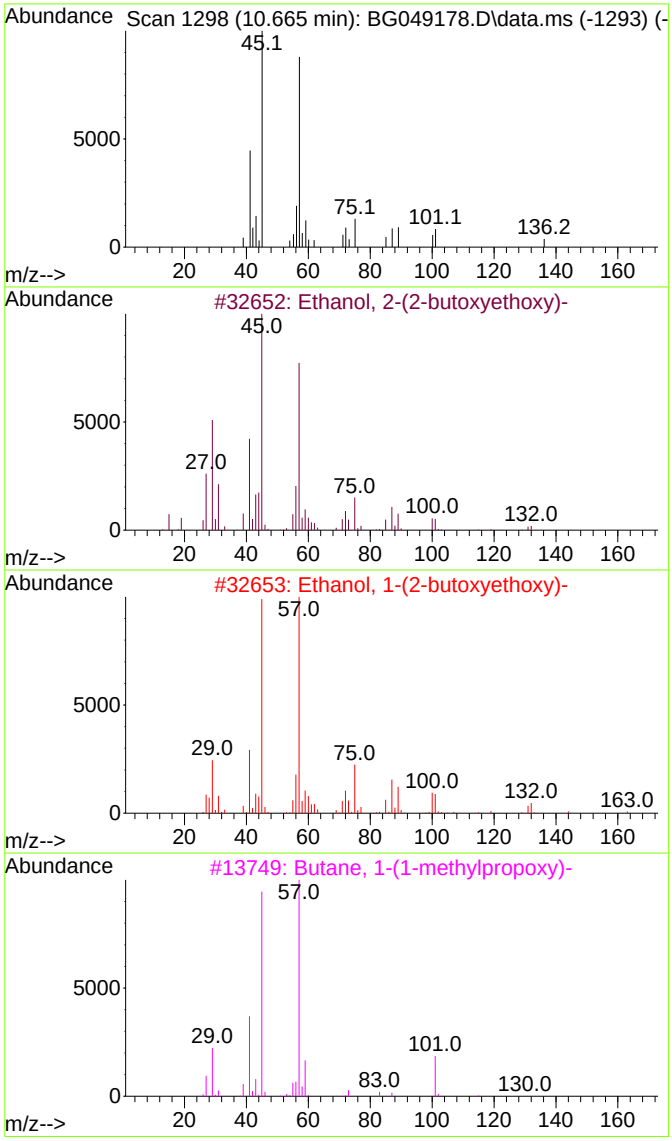
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG063021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

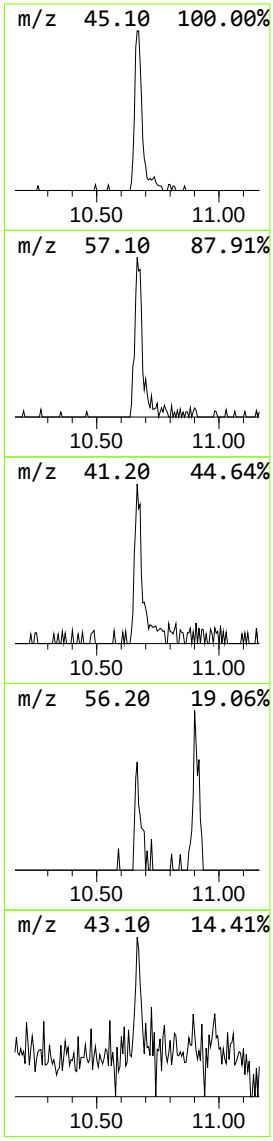
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.665 | 2.74 ng | 44236 | Naphthalene-d8 | 10.906 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol, 2-(2-butoxyethoxy)- | 162 | C8H18O3 | 000112-34-5 | 78 |
| 2 | Ethanol, 1-(2-butoxyethoxy)- | 162 | C8H18O3 | 054446-78-5 | 72 |
| 3 | Butane, 1-(1-methylpropoxy)- | 130 | C8H18O | 000999-65-5 | 53 |
| 4 | Propanoic acid, 2-hydroxy-, 2-me... | 146 | C7H14O3 | 000585-24-0 | 45 |
| 5 | Ethanol, 2-butoxy- | 118 | C6H14O2 | 000111-76-2 | 40 |



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Operator : CG/JU
Sample : M2919-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
FK-BPM-01-B9-B9A-B10-B10A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG063021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

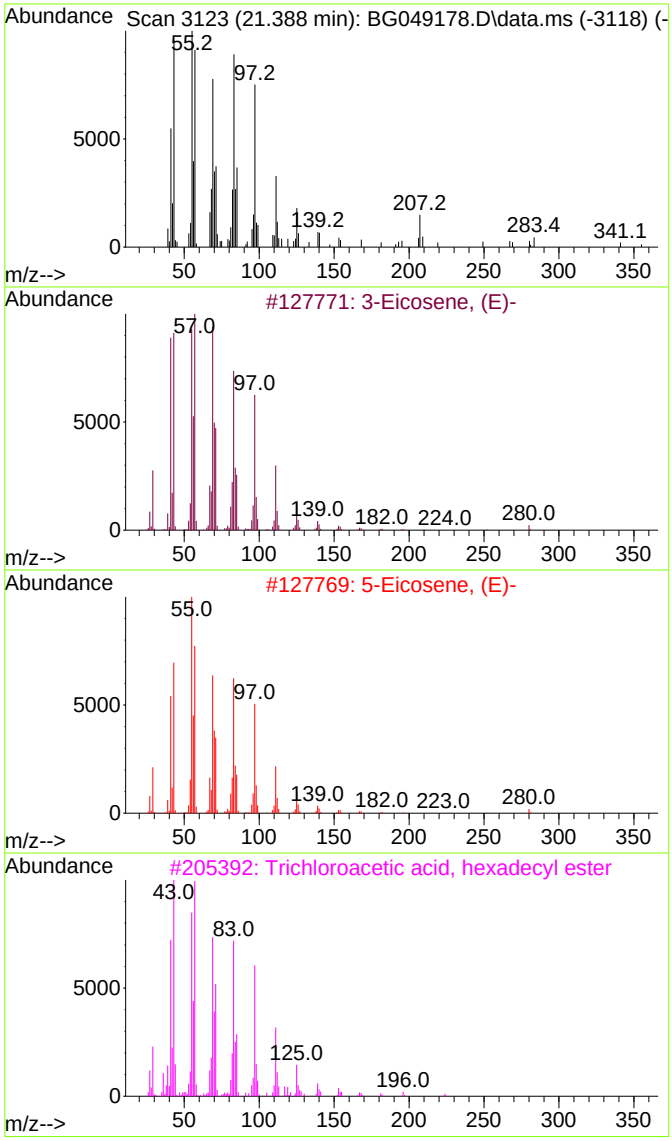
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

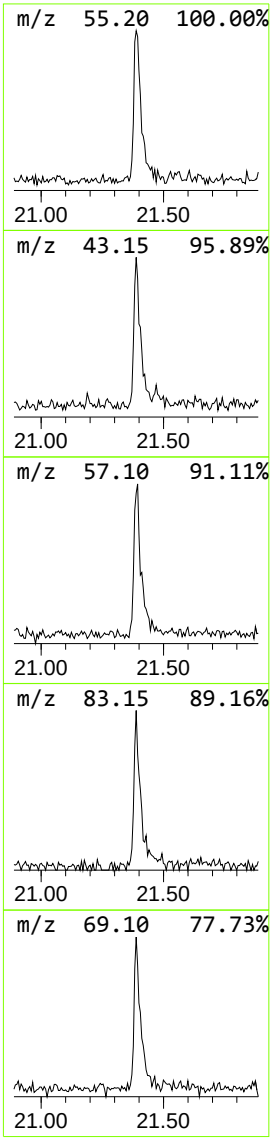
**********

Peak Number 5 3-Eicosene, (E)- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.388 | 4.85 ng | 159401 | Chrysene-d12 | 21.764 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Eicosene, (E)- | 280 | C20H40 | 074685-33-9 | 96 |
| 2 | 5-Eicosene, (E)- | 280 | C20H40 | 074685-30-6 | 95 |
| 3 | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 94 |
| 4 | Dichloroacetic acid, heptadecyl ... | 366 | C19H36Cl2O2 | 1000282-98-2 | 91 |
| 5 | 1-Docosene | 308 | C22H44 | 001599-67-3 | 90 |



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Sample : M2919-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
FK-BPM-01-B9-B9A-B10-B10A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG063021.M
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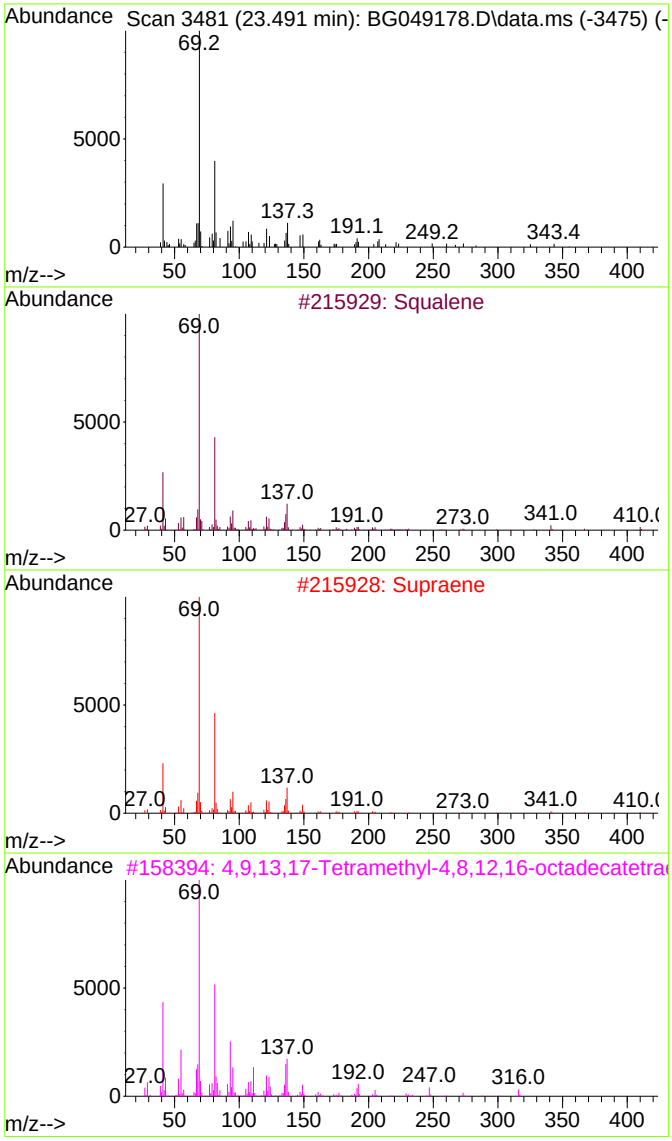
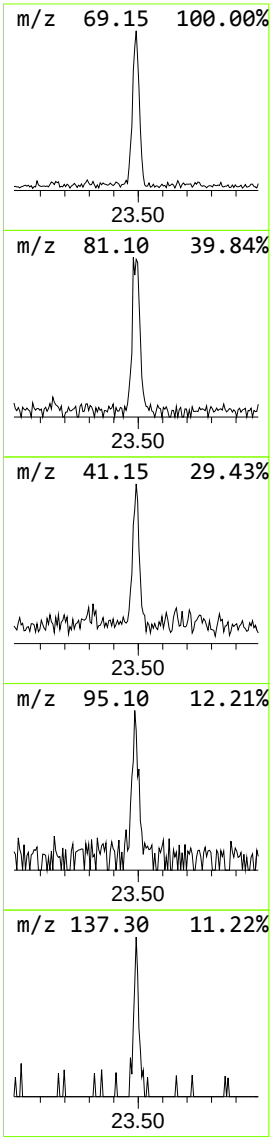
**********

Peak Number 6 Squalene Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.491 | 2.42 ng | 85581 | Perylene-d12 | 25.066 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Squalene | 410 | C30H50 | 000111-02-4 | 80 |
| 2 | Supraene | 410 | C30H50 | 007683-64-9 | 74 |
| 3 | 4,9,13,17-Tetramethyl-4,8,12,16-... | 316 | C22H36O | 056882-09-8 | 72 |
| 4 | 7,11-Dimethyldodeca-2,6,10-trien... | 208 | C14H24O | 125529-10-4 | 64 |
| 5 | Farnesol isomer a | 222 | C15H26O | 1000108-92-4 | 64 |



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 |
| Cyclohexane | 3.127 | 7.5 | ng | 88919 | 1 | 8.086 | 236854 | 20.0 |
| Butane, 2-metho... | 3.209 | 2.7 | ng | 32349 | 1 | 8.086 | 236854 | 20.0 |
| 2-Pentanone, 4-... | 5.166 | 2.6 | ng | 30625 | 1 | 8.086 | 236854 | 20.0 |
| Ethanol, 2-(2-b... | 10.665 | 2.7 | ng | 44236 | 2 | 10.906 | 322734 | 20.0 |
| 3-Eicosene, (E)- | 21.388 | 4.8 | ng | 159401 | 5 | 21.764 | 657420 | 20.0 |
| Squalene | 23.491 | 2.4 | ng | 85581 | 6 | 25.066 | 706339 | 20.0 |