LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051119\
Data File : BG040896.D
Acq On : 12 May 2019 6:36
Operator : HP/JU
Sample : K2763-16
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** P021-SS007-1218-01

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:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.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 | 3.141 | 4 | 9 | 18 | rBV | 95137 | 183917 | 3.63% | 0.642% |
| 2 | 3.217 | 18 | 22 | 37 | rVB | 226320 | 323499 | 6.38% | 1.130% |
| 3 | 5.667 | 431 | 439 | 451 | rBV | 1146121 | 1828792 | 36.08% | 6.386% |
| 4 | 7.277 | 703 | 713 | 730 | rBV | 1291045 | 2234489 | 44.08% | 7.803% |
| 5 | 7.659 | 768 | 778 | 787 | rBV | 1190258 | 2029054 | 40.03% | 7.085% |
| 6 | 8.129 | 851 | 858 | 871 | rBV | 195309 | 354838 | 7.00% | 1.239% |
| 7 | 8.458 | 906 | 914 | 923 | rBV | 808856 | 1386383 | 27.35% | 4.841% |
| 8 | 9.310 | 1049 | 1059 | 1067 | rBV | 777625 | 1351489 | 26.66% | 4.719% |
| 9 | 10.955 | 1330 | 1339 | 1348 | rBV | 286424 | 500068 | 9.86% | 1.746% |
| 10 | 13.388 | 1745 | 1753 | 1761 | rBV | 2051991 | 3153563 | 62.21% | 11.012% |
| 11 | 14.204 | 1884 | 1892 | 1903 | rBV | 376030 | 535386 | 10.56% | 1.870% |
| 12 | 14.763 | 1980 | 1987 | 1997 | rVB2 | 505785 | 782539 | 15.44% | 2.733% |
| 13 | 16.249 | 2232 | 2240 | 2250 | rBV | 2106398 | 3092911 | 61.01% | 10.800% |
| 14 | 17.506 | 2448 | 2454 | 2465 | rVB2 | 692676 | 1050935 | 20.73% | 3.670% |
| 15 | 18.358 | 2594 | 2599 | 2606 | rBV | 429415 | 615530 | 12.14% | 2.149% |
| 16 | 19.622 | 2809 | 2814 | 2823 | rBV | 182031 | 259615 | 5.12% | 0.907% |
| 17 | 20.103 | 2889 | 2896 | 2904 | rBV | 3754886 | 5069338 | 100.00% | 17.702% |
| 18 | 21.384 | 3109 | 3114 | 3126 | rBV2 | 323547 | 680044 | 13.41% | 2.375% |
| 19 | 21.790 | 3175 | 3183 | 3190 | rBV | 704781 | 1217742 | 24.02% | 4.252% |
| 20 | 22.565 | 3310 | 3315 | 3319 | rBV3 | 46012 | 81427 | 1.61% | 0.284% |
| 21 | 22.624 | 3319 | 3325 | 3326 | rBV6 | 32203 | 55767 | 1.10% | 0.195% |
| 22 | 23.276 | 3429 | 3436 | 3443 | rBV2 | 91949 | 186820 | 3.69% | 0.652% |
| 23 | 23.476 | 3465 | 3470 | 3477 | rVB2 | 41245 | 79778 | 1.57% | 0.279% |
| 24 | 24.110 | 3572 | 3578 | 3585 | rVB4 | 58697 | 126377 | 2.49% | 0.441% |
| 25 | 25.133 | 3737 | 3752 | 3766 | rBV2 | 407473 | 1332504 | 26.29% | 4.653% |
| 26 | 26.273 | 3939 | 3946 | 3957 | rVB4 | 37156 | 124457 | 2.46% | 0.435% |

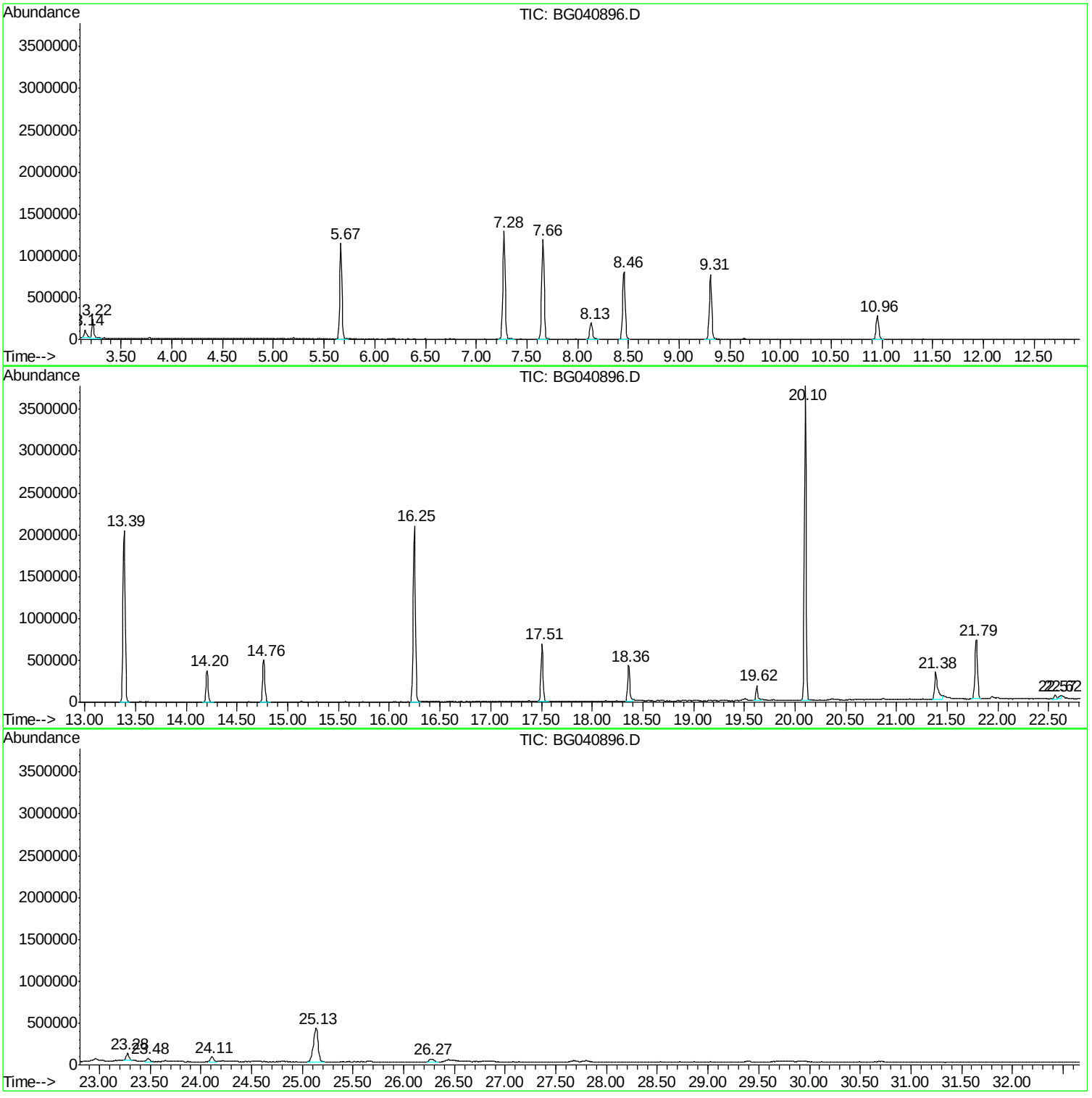
Sum of corrected areas: 28637262

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051119\
Data File : BG040896.D
Acq On : 12 May 2019 6:36
Operator : HP/JU
Sample : K2763-16
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
P021-SS007-1218-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051119\
Data File : BG040896.D
Acq On : 12 May 2019 6:36
Operator : HP/JU
Sample : K2763-16
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** P021-SS007-1218-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

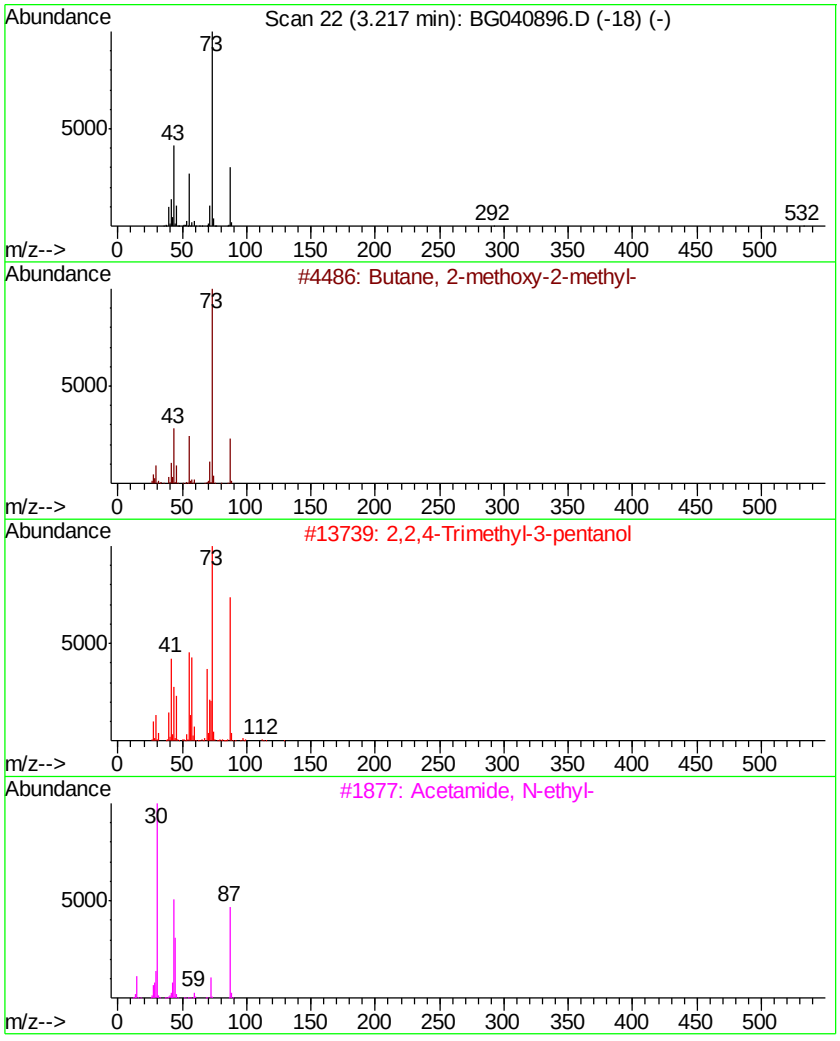
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

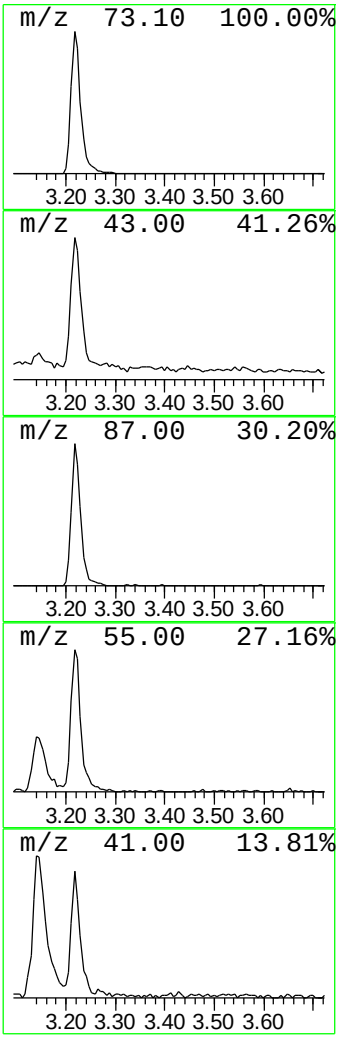
**********

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.22 | 18.23 ng | 323499 | 1,4-Dichlorobenzene-d4 | 8.13 |

| 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 | 39 |
| 3 | Acetamide, N-ethyl- | 87 | C4H9NO | 000625-50-3 | 35 |
| 4 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 9 |
| 5 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051119\
Data File : BG040896.D
Acq On : 12 May 2019 6:36
Operator : HP/JU
Sample : K2763-16
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** P021-SS007-1218-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

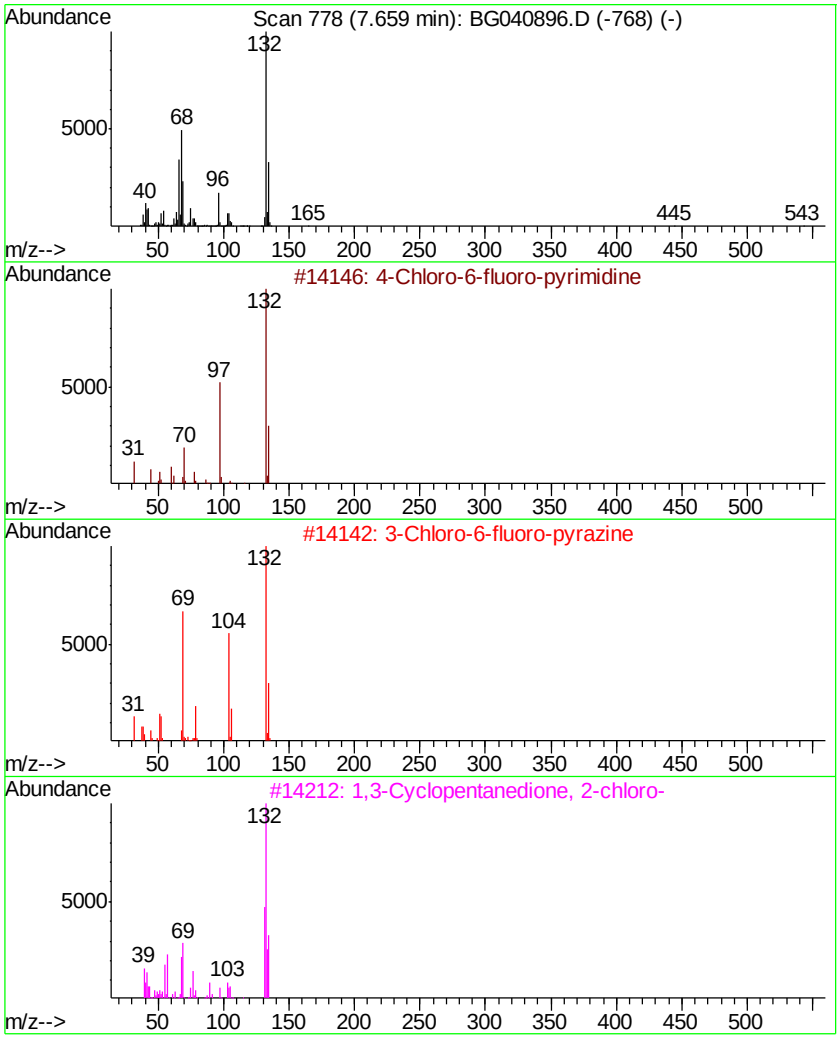
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

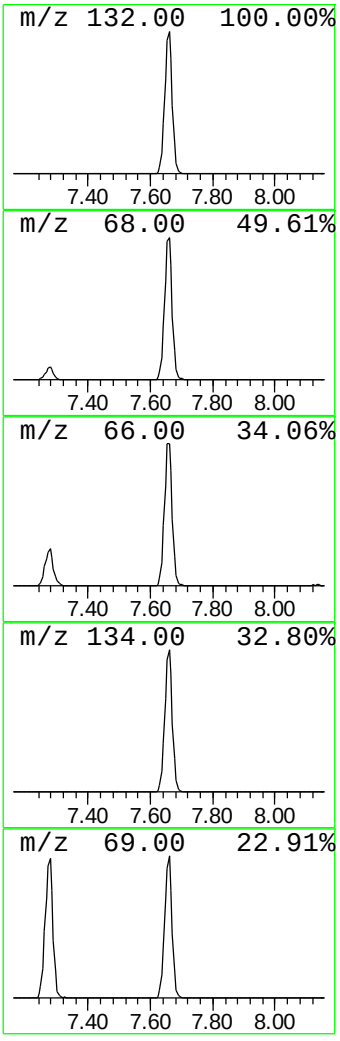
**********

Peak Number 3 unknown7.66 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.66 | 114.37 ng | 2029050 | 1,4-Dichlorobenzene-d4 | 8.13 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Chloro-6-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-01-6 | 27 |
| 2 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 3 | 1,3-Cyclopentanedione, 2-chloro- | 132 | C5H5ClO2 | 014203-19-1 | 25 |
| 4 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 22 |
| 5 | (5-Methyl-2-pyridyl)acetonitrile | 132 | C8H8N2 | 1000241-93-9 | 22 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051119\
Data File : BG040896.D
Acq On : 12 May 2019 6:36
Operator : HP/JU
Sample : K2763-16
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** P021-SS007-1218-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

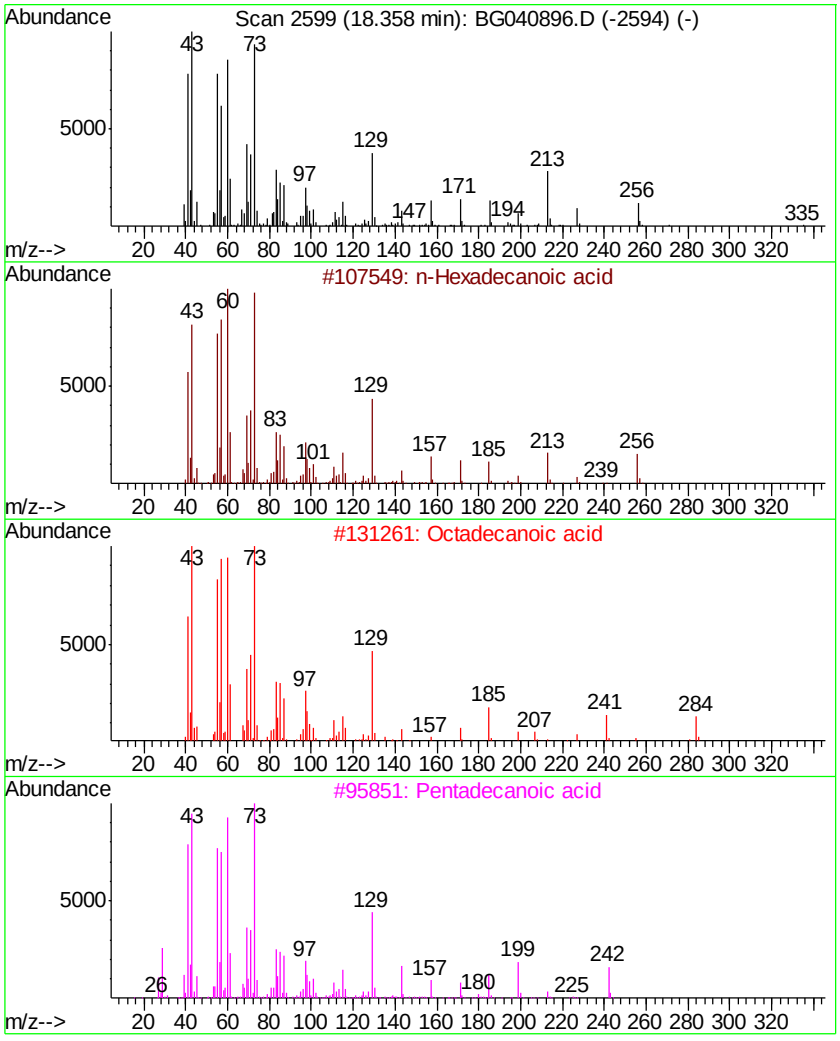
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

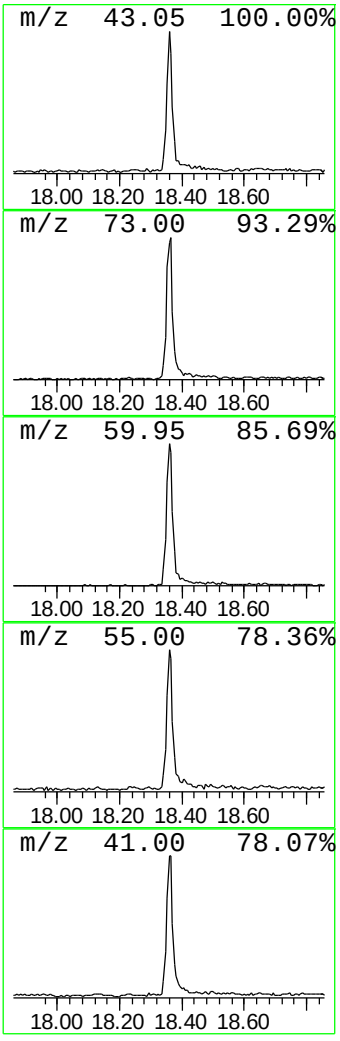
**********

Peak Number 5 n-Hexadecanoic acid Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.36 | 11.71 ng | 615530 | Phenanthrene-d10 | 17.51 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 2 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 93 |
| 3 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 81 |
| 4 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 72 |
| 5 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 72 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051119\
Data File : BG040896.D
Acq On : 12 May 2019 6:36
Operator : HP/JU
Sample : K2763-16
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** P021-SS007-1218-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

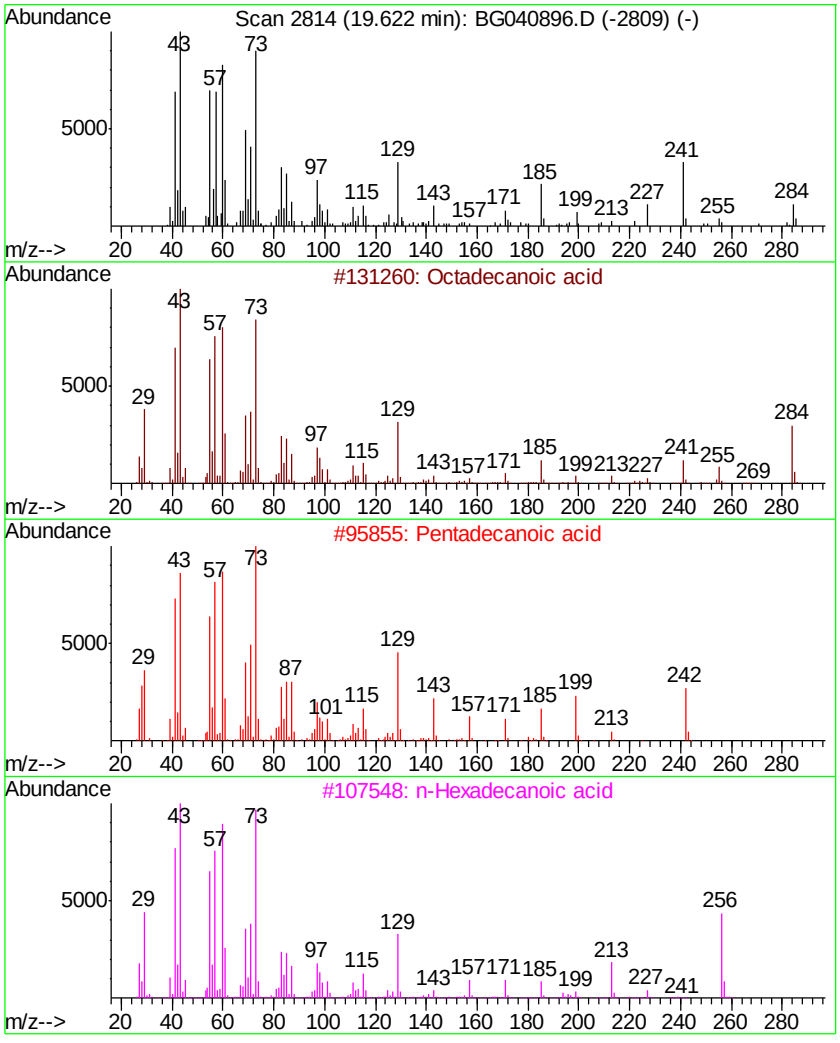
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

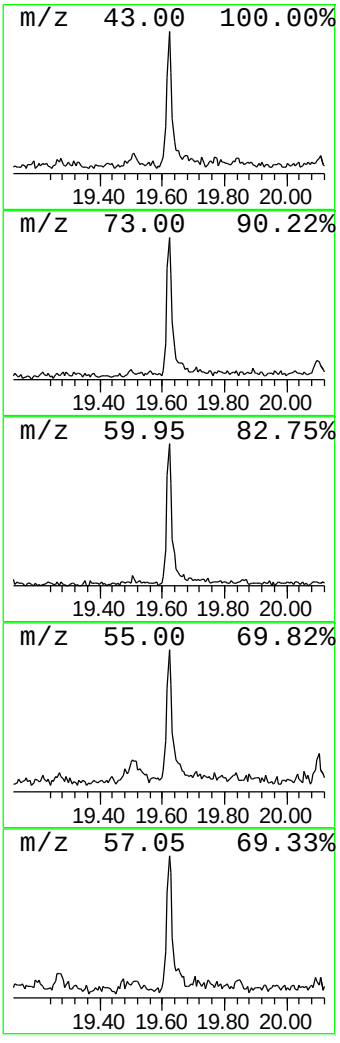
**********

Peak Number 6 Octadecanoic acid Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.62 | 4.94 ng | 259615 | Phenanthrene-d10 | 17.51 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 95 |
| 2 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 93 |
| 3 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 89 |
| 4 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 64 |
| 5 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 45 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051119\
Data File : BG040896.D
Acq On : 12 May 2019 6:36
Operator : HP/JU
Sample : K2763-16
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** P021-SS007-1218-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

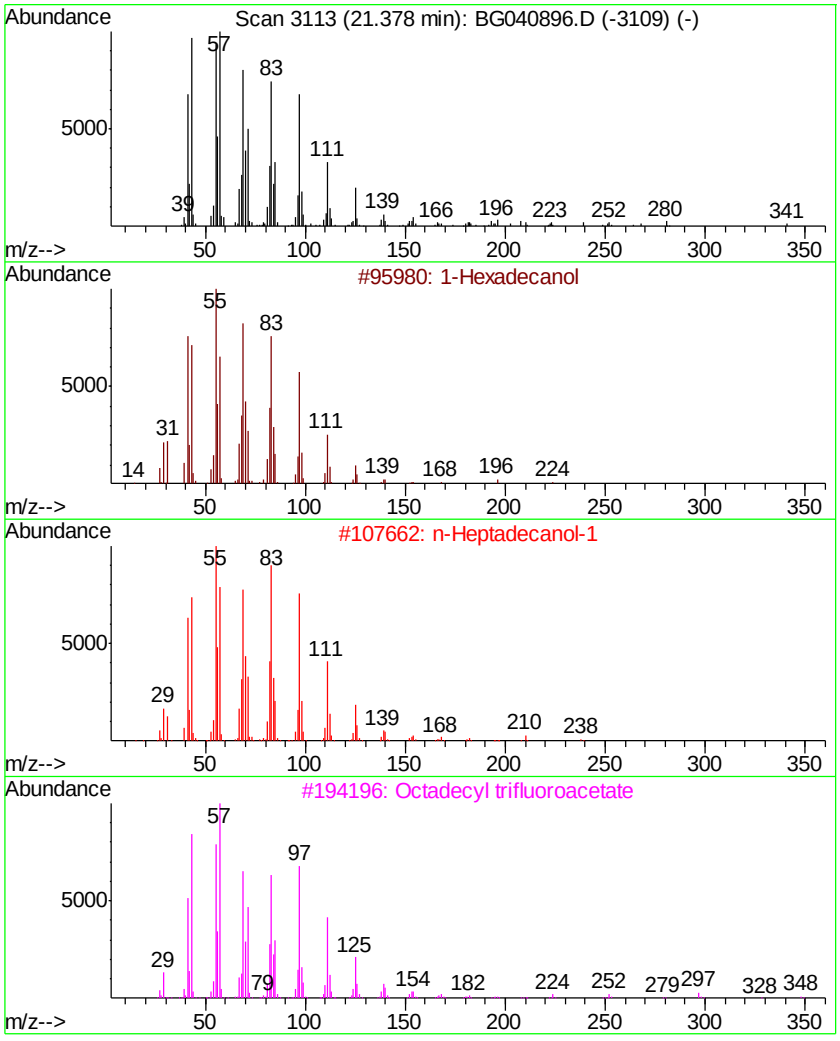
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

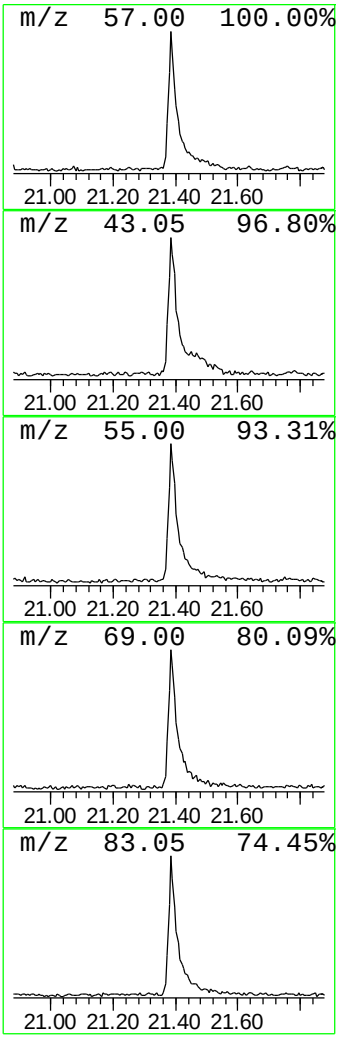
**********

Peak Number 7 1-Hexadecanol Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.38 | 11.17 ng | 680044 | Chrysene-d12 | 21.78 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Hexadecanol | 242 | C16H34O | 036653-82-4 | 90 |
| 2 | n-Heptadecanol-1 | 256 | C17H36O | 001454-85-9 | 90 |
| 3 | Octadecyl trifluoroacetate | 366 | C20H37F3O2 | 079392-43-1 | 89 |
| 4 | Heptafluorobutyric acid, pentade... | 424 | C19H31F7O2 | 959261-23-5 | 87 |
| 5 | 1-Docosene | 308 | C22H44 | 001599-67-3 | 86 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051119\
Data File : BG040896.D
Acq On : 12 May 2019 6:36
Operator : HP/JU
Sample : K2763-16
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** P021-SS007-1218-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

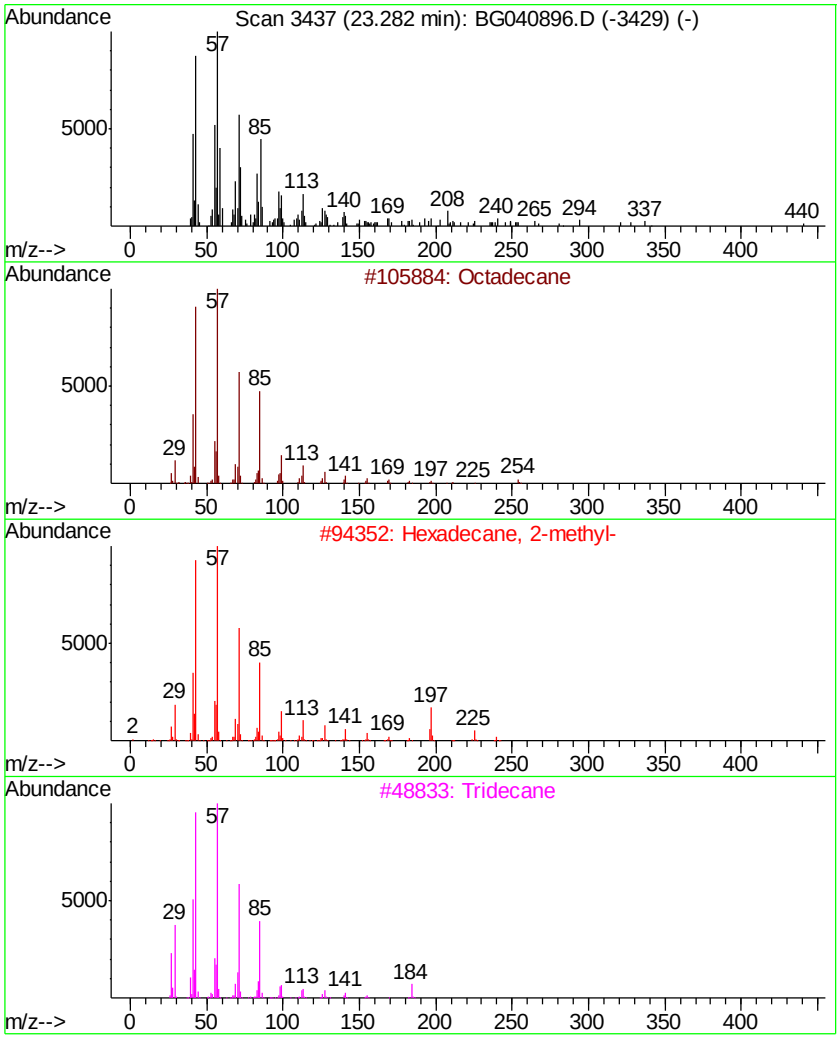
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

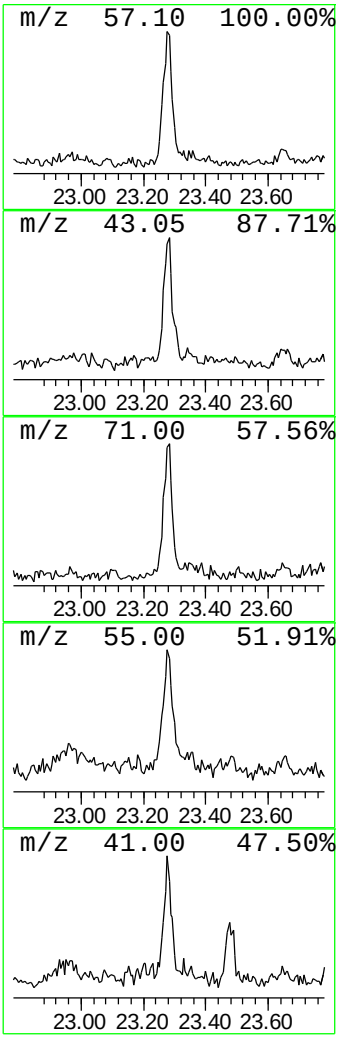
**********

Peak Number 8 Octadecane Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.28 | 3.07 ng | 186820 | Chrysene-d12 | 21.78 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecane | 254 | C18H38 | 000593-45-3 | 95 |
| 2 | Hexadecane, 2-methyl- | 240 | C17H36 | 001560-92-5 | 64 |
| 3 | Tridecane | 184 | C13H28 | 000629-50-5 | 50 |
| 4 | Octadecane, 1-chloro- | 288 | C18H37Cl | 003386-33-2 | 49 |
| 5 | Decane, 3,6-dimethyl- | 170 | C12H26 | 017312-53-7 | 46 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051119\
Data File : BG040896.D
Acq On : 12 May 2019 6:36
Operator : HP/JU
Sample : K2763-16
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** P021-SS007-1218-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.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... | 3.22 | 18.2 | ng | 323499 | 1 | 8.13 | 354838 | 20.0 |
| unknown7.66 | 7.66 | 114.4 | ng | 2029050 | 1 | 8.13 | 354838 | 20.0 |
| n-Hexadecanoic acid | 18.36 | 11.7 | ng | 615530 | 4 | 17.51 | 1050940 | 20.0 |
| Octadecanoic acid | 19.62 | 4.9 | ng | 259615 | 4 | 17.51 | 1050940 | 20.0 |
| 1-Hexadecanol | 21.38 | 11.2 | ng | 680044 | 5 | 21.78 | 1217740 | 20.0 |
| Octadecane | 23.28 | 3.1 | ng | 186820 | 5 | 21.78 | 1217740 | 20.0 |