LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA N\DATA\BN030618\
Data File : BN000271.D
Acq On : 06 Mar 2018 19:26
Operator : JU/SJ
Sample : J1779-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** DRUM-1-4

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_N\METHODS\8270-BN020718.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 | 3.223 | 34 | 40 | 50 | rBV | 315173 | 654645 | 3.18% | 0.597% |
| 2 | 3.311 | 50 | 55 | 79 | rVB | 925821 | 1520660 | 7.39% | 1.388% |
| 3 | 5.928 | 492 | 500 | 510 | rBV | 2679381 | 4310019 | 20.94% | 3.933% |
| 4 | 7.569 | 772 | 779 | 791 | rBV | 1791948 | 3009252 | 14.62% | 2.746% |
| 5 | 7.969 | 838 | 847 | 862 | rBV | 5144267 | 8781570 | 42.66% | 8.013% |
| 6 | 8.446 | 917 | 928 | 939 | rBV | 1154781 | 1931963 | 9.38% | 1.763% |
| 7 | 8.781 | 976 | 985 | 995 | rVB | 4700608 | 8022510 | 38.97% | 7.321% |
| 8 | 9.628 | 1120 | 1129 | 1137 | rBV | 4063479 | 6956039 | 33.79% | 6.348% |
| 9 | 11.287 | 1403 | 1411 | 1419 | rBV | 1810485 | 3095253 | 15.03% | 2.825% |
| 10 | 11.846 | 1500 | 1506 | 1516 | rVB2 | 127964 | 260555 | 1.27% | 0.238% |
| 11 | 12.204 | 1560 | 1567 | 1576 | rBV | 123263 | 234343 | 1.14% | 0.214% |
| 12 | 12.663 | 1635 | 1645 | 1650 | rBV4 | 100005 | 250017 | 1.21% | 0.228% |
| 13 | 13.693 | 1810 | 1820 | 1827 | rBV | 10832083 | 16567486 | 80.47% | 15.118% |
| 14 | 14.493 | 1950 | 1956 | 1962 | rBV | 205140 | 312636 | 1.52% | 0.285% |
| 15 | 15.057 | 2045 | 2052 | 2060 | rVB2 | 2727898 | 4210006 | 20.45% | 3.842% |
| 16 | 15.857 | 2183 | 2188 | 2193 | rVB2 | 168277 | 228134 | 1.11% | 0.208% |
| 17 | 16.534 | 2296 | 2303 | 2321 | rBV | 7241082 | 11211302 | 54.46% | 10.231% |
| 18 | 16.704 | 2326 | 2332 | 2343 | rVB3 | 184719 | 372673 | 1.81% | 0.340% |
| 19 | 17.557 | 2471 | 2477 | 2484 | rBV3 | 174786 | 267063 | 1.30% | 0.244% |
| 20 | 17.781 | 2508 | 2515 | 2527 | rBV2 | 3315068 | 4745220 | 23.05% | 4.330% |
| 21 | 18.616 | 2652 | 2657 | 2669 | rBV | 461168 | 770257 | 3.74% | 0.703% |
| 22 | 19.863 | 2865 | 2869 | 2880 | rBV | 175441 | 298335 | 1.45% | 0.272% |
| 23 | 20.339 | 2944 | 2950 | 2961 | rBV | 15297155 | 20587129 | 100.00% | 18.786% |
| 24 | 21.551 | 3152 | 3156 | 3175 | rBV | 511928 | 967994 | 4.70% | 0.883% |
| 25 | 21.892 | 3208 | 3214 | 3222 | rBV2 | 3799514 | 5136272 | 24.95% | 4.687% |
| 26 | 24.369 | 3626 | 3635 | 3646 | rBV2 | 2399921 | 4883568 | 23.72% | 4.456% |

Sum of corrected areas: 109584901

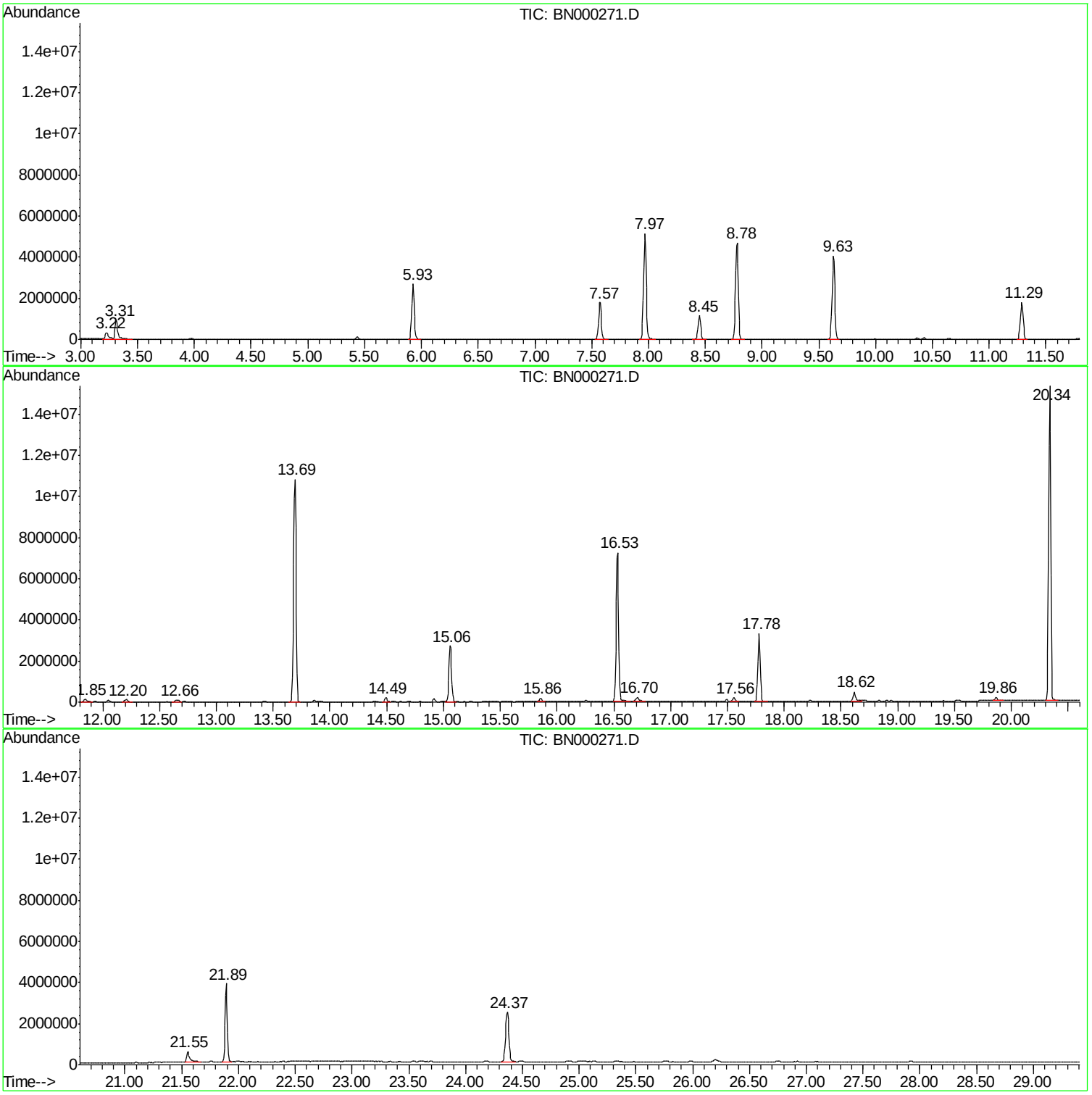
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA N\DATA\BN030618\
Data File : BN000271.D
Acq On : 06 Mar 2018 19:26
Operator : JU/SJ
Sample : J1779-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
DRUM-1-4

Quant Method : Z:\HPCHEM1\BNA_N\METHODS\8270-BN020718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



# Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA N\DATA\BN030618\
Data File : BN000271.D
Acq On : 06 Mar 2018 19:26
Operator : JU/SJ
Sample : J1779-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** DRUM-1-4

Quant Method : Z:\HPCHEM1\BNA_N\METHODS\8270-BN020718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

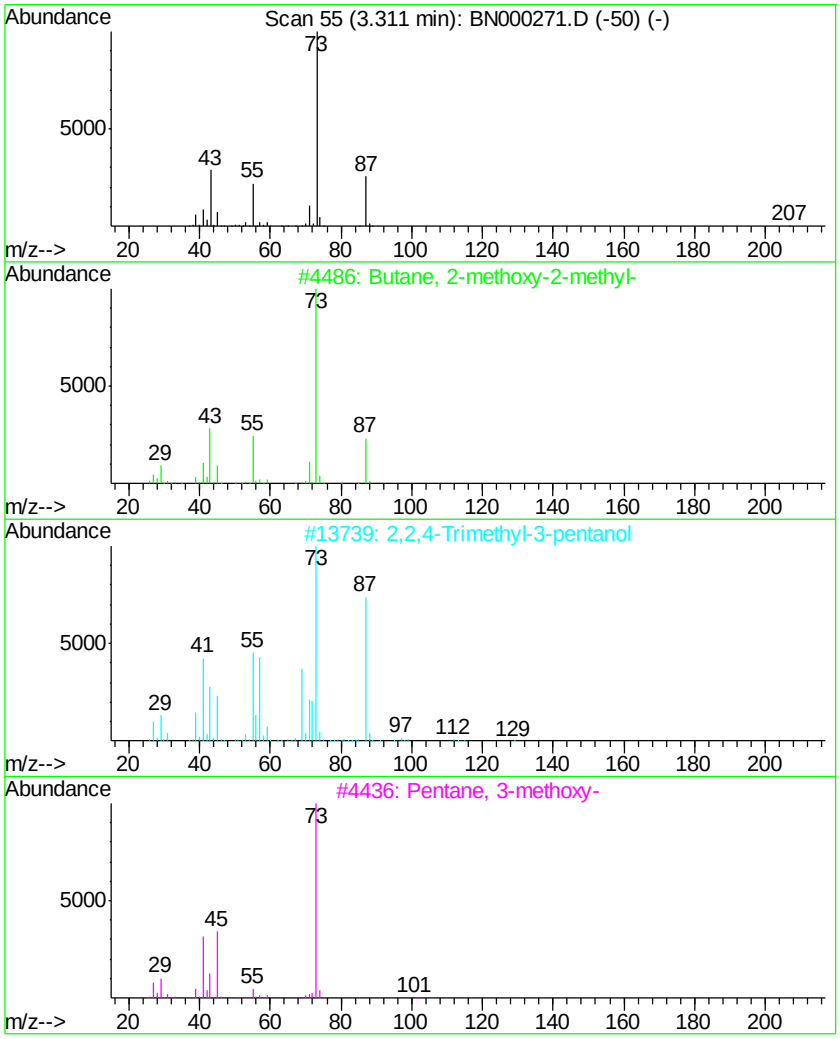
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

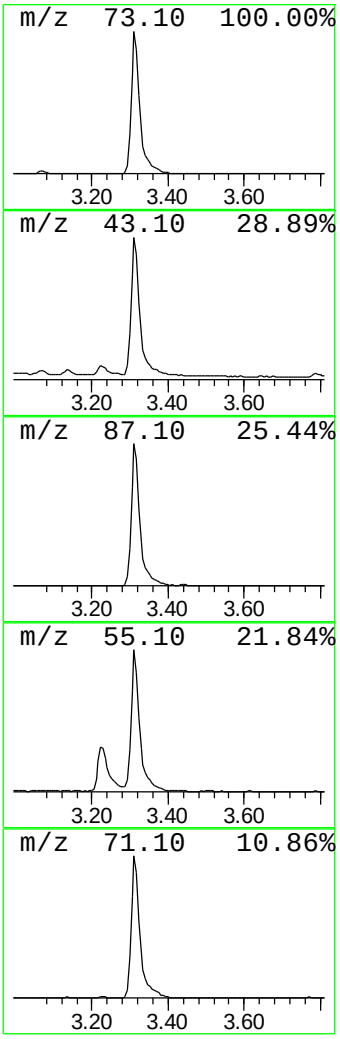
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.31 | 15.74 ng | 1520660 | 1,4-Dichlorobenzene-d4 | 8.45 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 90 |
| 2 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 43 |
| 3 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 23 |
| 4 | Acetamide, N-ethyl- | 87 | C4H9NO | 000625-50-3 | 9 |
| 5 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA N\DATA\BN030618\
Data File : BN000271.D
Acq On : 06 Mar 2018 19:26
Operator : JU/SJ
Sample : J1779-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** DRUM-1-4

Quant Method : Z:\HPCHEM1\BNA_N\METHODS\8270-BN020718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

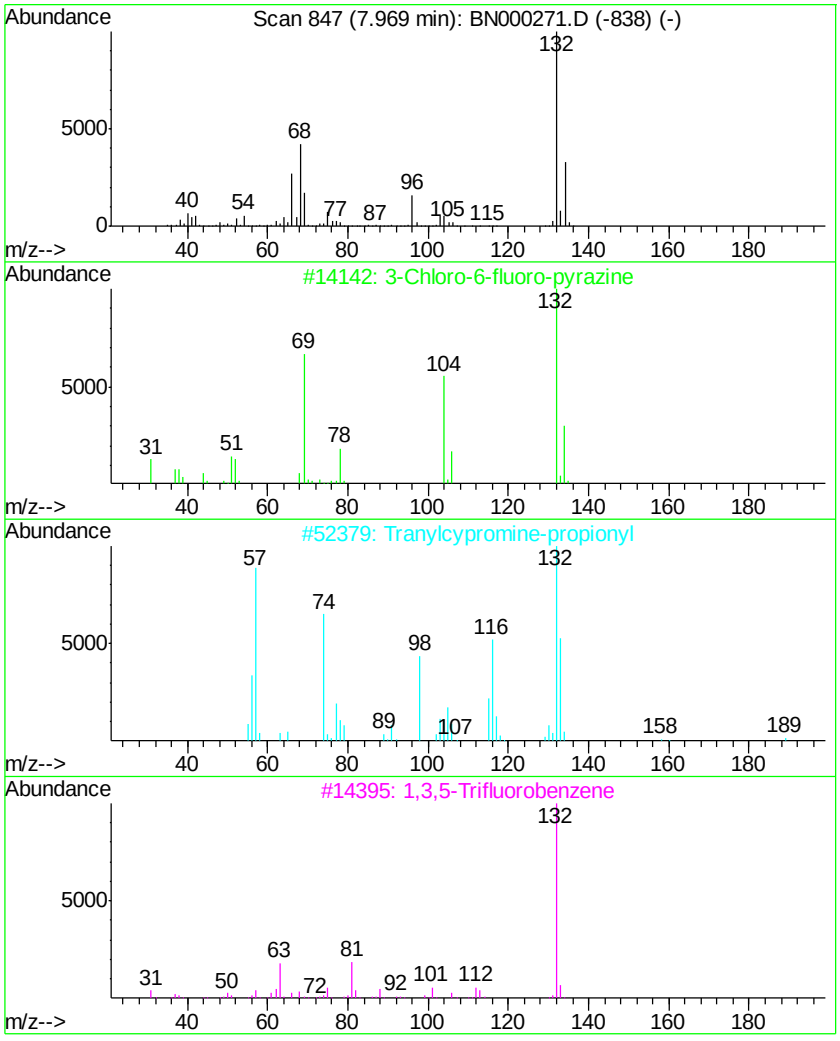
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

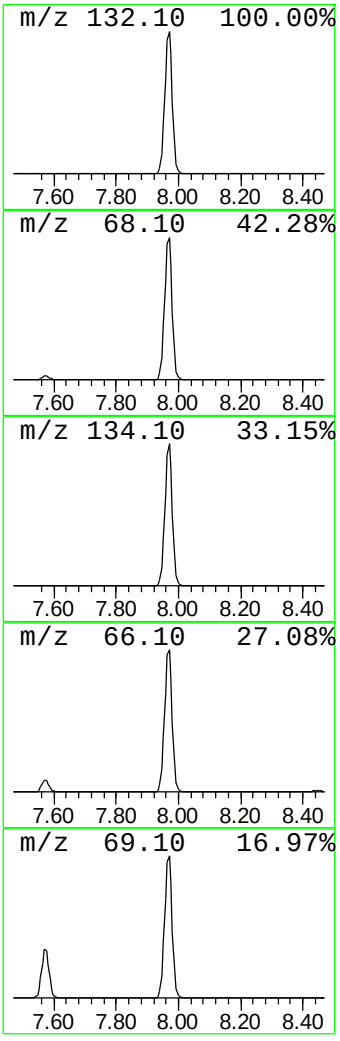
**********

Peak Number 3 unknown7.97 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.97 | 90.91 ng | 8781570 | 1,4-Dichlorobenzene-d4 | 8.45 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 35 |
| 2 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 3 | 1,3,5-Trifluorobenzene | 132 | C6H3F3 | 000372-38-3 | 9 |
| 4 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12 | 028749-81-7 | 9 |
| 5 | 4-Chloro-6-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-01-6 | 9 |



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Operator : JU/SJ
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Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** DRUM-1-4

Quant Method : Z:\HPCHEM1\BNA_N\METHODS\8270-BN020718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

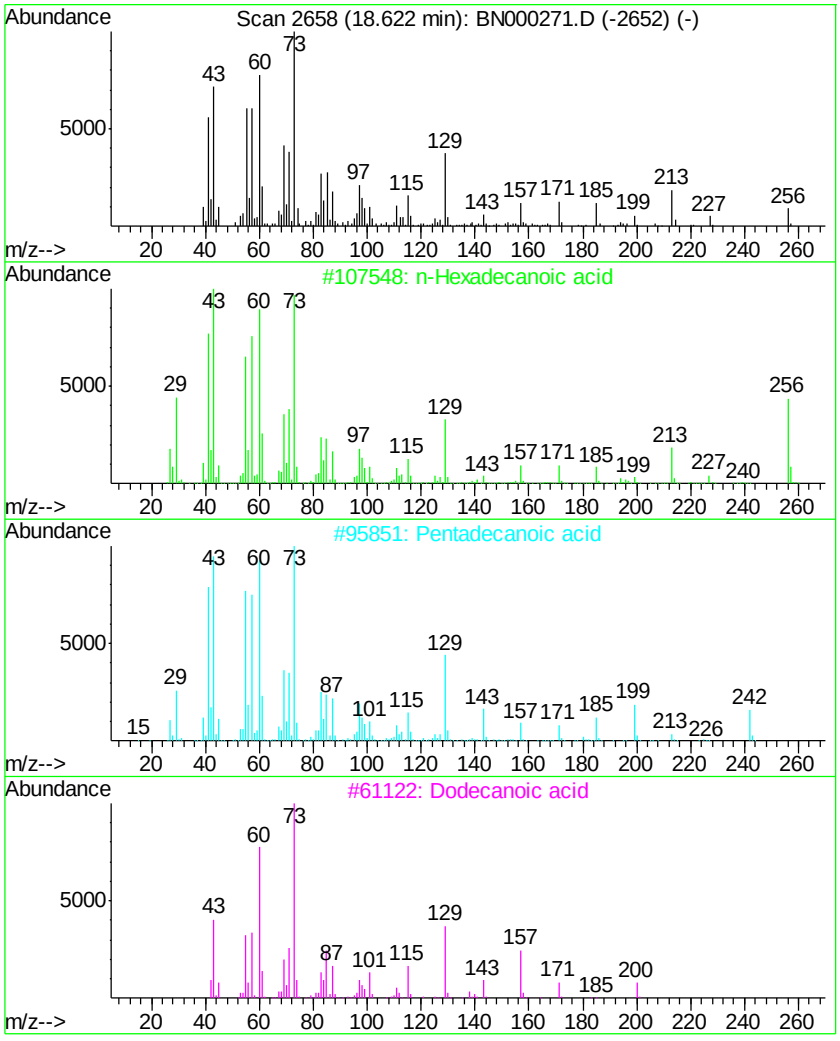
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

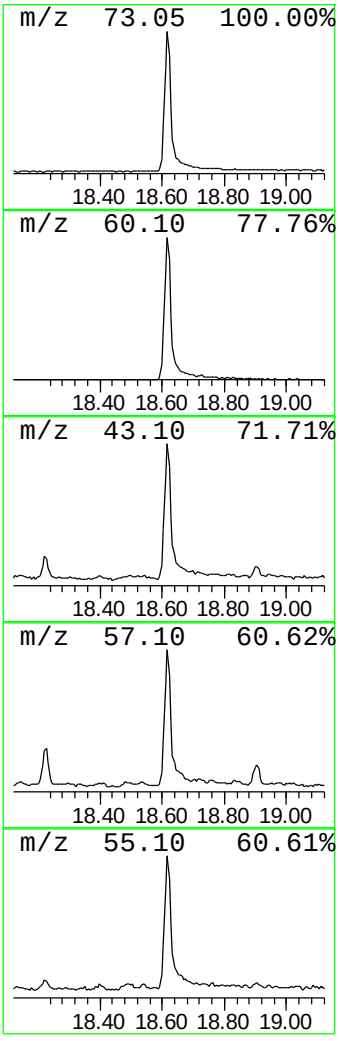
**********

Peak Number 5 n-Hexadecanoic acid Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.62 | 3.25 ng | 770257 | Phenanthrene-d10 | 17.78 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 2 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 90 |
| 3 | Dodecanoic acid | 200 | C12H24O2 | 000143-07-7 | 76 |
| 4 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 72 |
| 5 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 72 |



Library Search Compound Report

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Operator : JU/SJ
Sample : J1779-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** DRUM-1-4

Quant Method : Z:\HPCHEM1\BNA_N\METHODS\8270-BN020718.M
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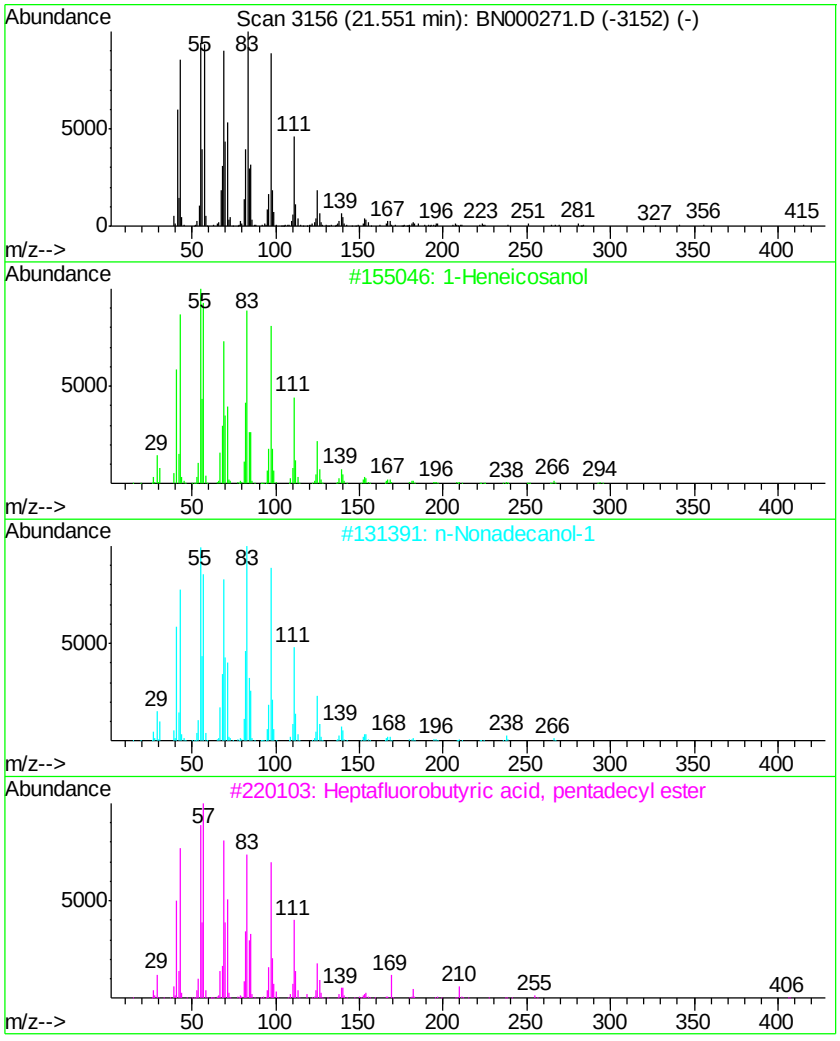
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

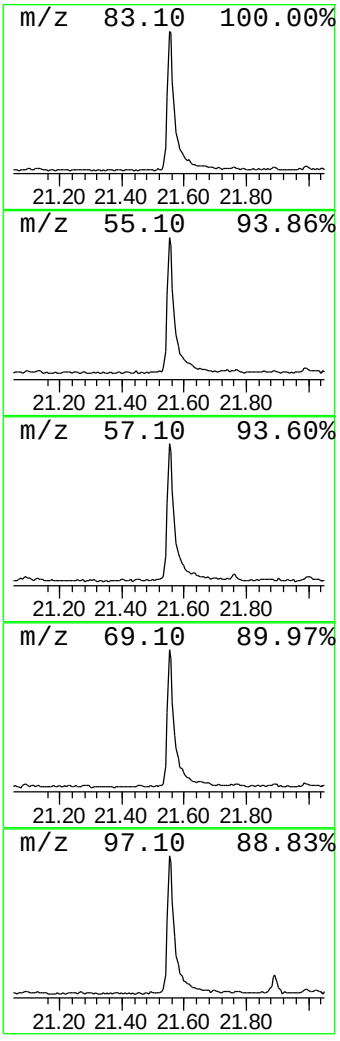
**********

Peak Number 6 1-Heneicosanol Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.55 | 3.77 ng | 967994 | Chrysene-d12 | 21.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 95 |
| 2 | n-Nonadecanol-1 | 284 | C19H40O | 001454-84-8 | 95 |
| 3 | Heptafluorobutyric acid, pentade... | 424 | C19H31F7O2 | 959261-23-5 | 94 |
| 4 | Pentafluoropropionic acid, penta... | 374 | C18H31F5O2 | 959092-08-1 | 94 |
| 5 | Behenic alcohol | 326 | C22H46O | 000661-19-8 | 93 |



Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_N\DATA\BN030618\
Data File : BN000271.D
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Misc :
ALS Vial : 18 Sample Multiplier: 1

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Quant Method : Z:\HPCHEM1\BNA_N\METHODS\8270-BN020718.M
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TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Butane, 2-methoxy... | 3.31 | 15.7 | ng | 1520660 | 1 | 8.45 | 1931960 | 20.0 |
| unknown7.97 | 7.97 | 90.9 | ng | 8781570 | 1 | 8.45 | 1931960 | 20.0 |
| n-Hexadecanoic acid | 18.62 | 3.3 | ng | 770257 | 4 | 17.78 | 4745220 | 20.0 |
| 1-Heneicosanol | 21.55 | 3.8 | ng | 967994 | 5 | 21.89 | 5136270 | 20.0 |