LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090419\
Data File : BP000055.D
Acq On : 04 Sep 2019 10:32
Operator : HP/JU
Sample : K4554-42
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** SB-3-(8-10)

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_P\METHODS\8270-BP083019.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 | 2.187 | 12 | 17 | 23 | rBV | 1740231 | 2136949 | 16.62% | 2.111% |
| 2 | 5.516 | 578 | 583 | 586 | rBV | 9564169 | 8810250 | 68.50% | 8.704% |
| 3 | 6.510 | 747 | 752 | 755 | rBV | 9670142 | 9318530 | 72.46% | 9.206% |
| 4 | 6.663 | 773 | 778 | 781 | rBV | 10527411 | 9524358 | 74.06% | 9.410% |
| 5 | 6.893 | 814 | 817 | 821 | rVB | 3592273 | 2698258 | 20.98% | 2.666% |
| 6 | 7.051 | 840 | 844 | 847 | rBV | 9893538 | 7745035 | 60.22% | 7.652% |
| 7 | 7.446 | 907 | 911 | 914 | rBV | 6639074 | 5668337 | 44.07% | 5.600% |
| 8 | 8.175 | 1031 | 1035 | 1038 | rBV | 4579705 | 3490955 | 27.14% | 3.449% |
| 9 | 9.257 | 1214 | 1219 | 1222 | rBV | 13319730 | 12040621 | 93.62% | 11.896% |
| 10 | 9.645 | 1282 | 1285 | 1288 | rBV | 709664 | 491502 | 3.82% | 0.486% |
| 11 | 9.940 | 1331 | 1335 | 1338 | rBV | 5145259 | 4271802 | 33.21% | 4.220% |
| 12 | 10.728 | 1465 | 1469 | 1472 | rBV | 8713225 | 7285868 | 56.65% | 7.198% |
| 13 | 11.434 | 1585 | 1589 | 1592 | rBV | 5609112 | 4533316 | 35.25% | 4.479% |
| 14 | 11.969 | 1676 | 1680 | 1684 | rBV | 453696 | 453508 | 3.53% | 0.448% |
| 15 | 12.757 | 1811 | 1814 | 1820 | rBV | 189832 | 185212 | 1.44% | 0.183% |
| 16 | 13.033 | 1857 | 1861 | 1865 | rBV | 13203035 | 12861124 | 100.00% | 12.706% |
| 17 | 13.957 | 2014 | 2018 | 2028 | rBV | 320236 | 575515 | 4.47% | 0.569% |
| 18 | 14.098 | 2038 | 2042 | 2046 | rBV | 4973005 | 4346264 | 33.79% | 4.294% |
| 19 | 14.916 | 2178 | 2181 | 2186 | rBV | 141732 | 142899 | 1.11% | 0.141% |
| 20 | 15.280 | 2239 | 2243 | 2249 | rBV | 161064 | 196054 | 1.52% | 0.194% |
| 21 | 15.627 | 2296 | 2302 | 2309 | rBV | 3492443 | 4249976 | 33.05% | 4.199% |
| 22 | 15.692 | 2309 | 2313 | 2320 | rVB | 136009 | 191099 | 1.49% | 0.189% |

Sum of corrected areas: 101217432

LSC Report - Integrated Chromatogram

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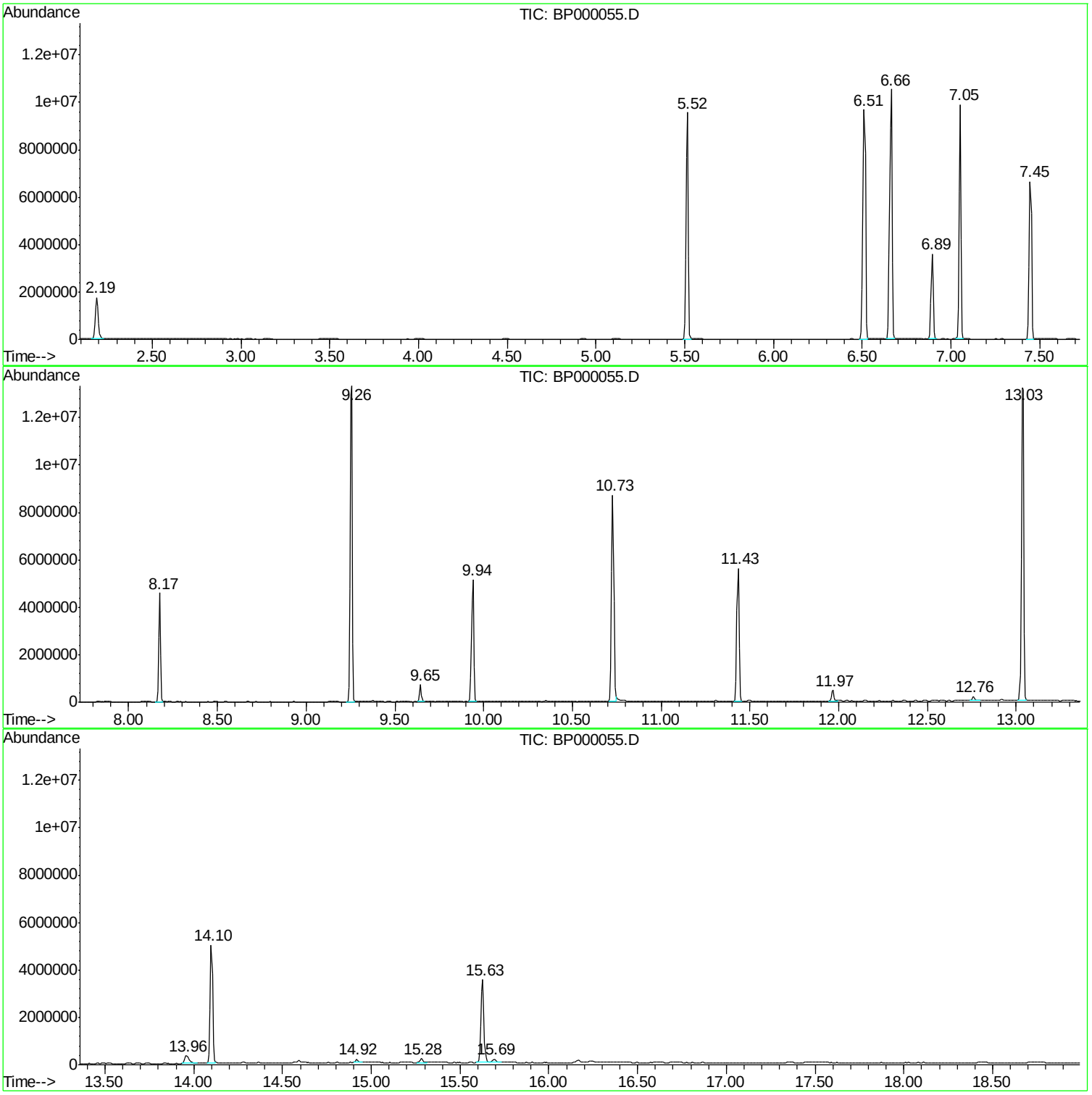
Data File : BP000055.D
Acq On : 04 Sep 2019 10:32
Operator : HP/JU
Sample : K4554-42
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** SB-3-(8-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP083019.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 : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090419\
Data File : BP000055.D
Acq On : 04 Sep 2019 10:32
Operator : HP/JU
Sample : K4554-42
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** SB-3-(8-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

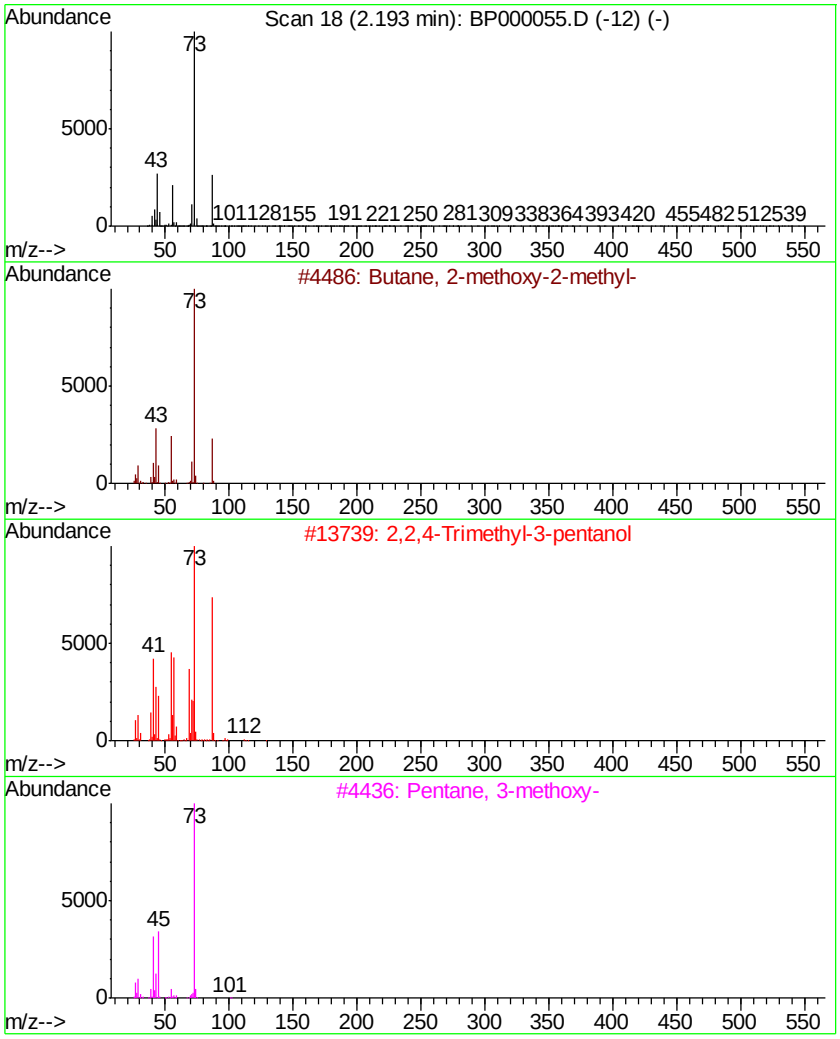
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

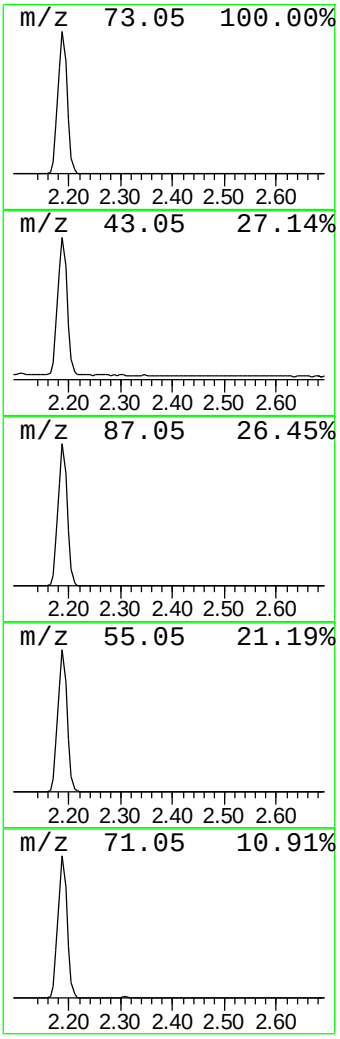
**********

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.19 | 15.84 ng | 2136950 | 1,4-Dichlorobenzene-d4 | 6.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 83 |
| 2 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 40 |
| 3 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 17 |
| 4 | Acetamide, N-ethyl- | 87 | C4H9NO | 000625-50-3 | 9 |
| 5 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090419\
Data File : BP000055.D
Acq On : 04 Sep 2019 10:32
Operator : HP/JU
Sample : K4554-42
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** SB-3-(8-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

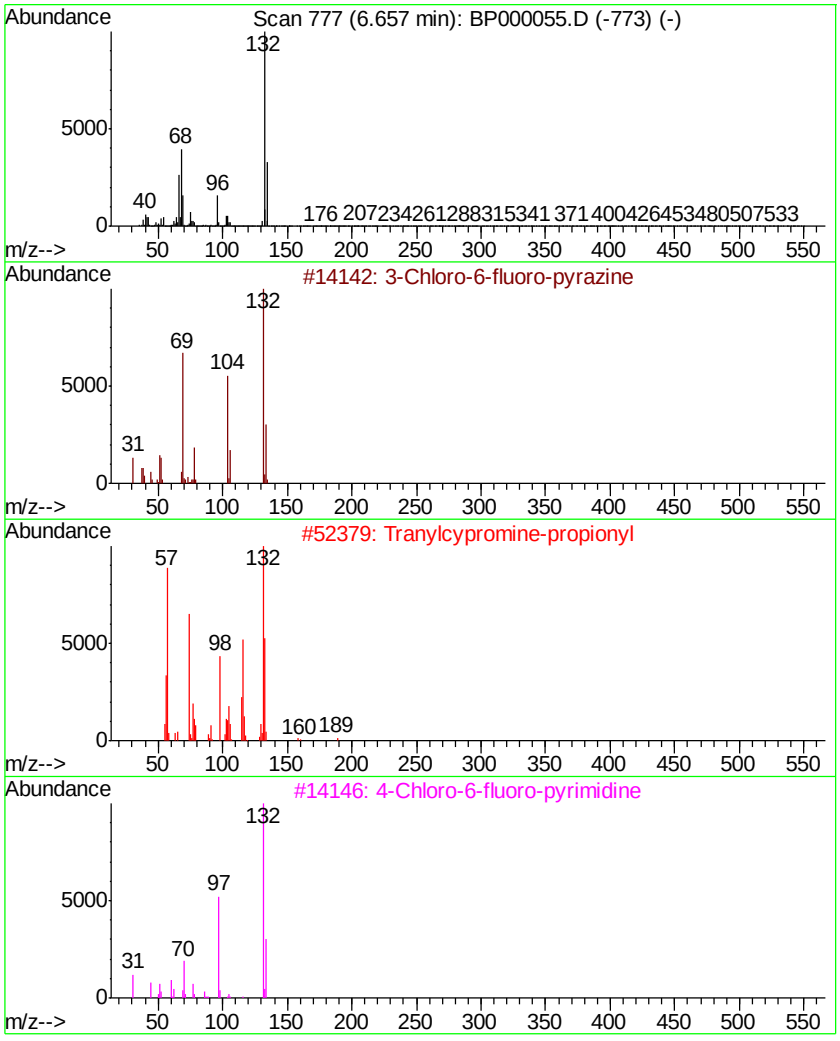
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

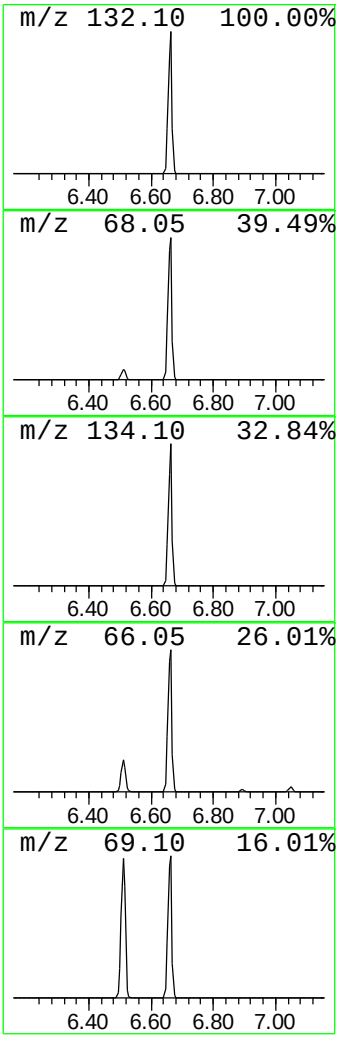
**********

Peak Number 2 unknown6.66 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.66 | 70.60 ng | 9524360 | 1,4-Dichlorobenzene-d4 | 6.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 38 |
| 2 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 16 |
| 3 | 4-Chloro-6-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-01-6 | 9 |
| 4 | 1-Methylpyrrolo[1,2-a]pyrazine | 132 | C8H8N2 | 064608-59-9 | 9 |
| 5 | 4-Chloro-2-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-00-5 | 9 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090419\
Data File : BP000055.D
Acq On : 04 Sep 2019 10:32
Operator : HP/JU
Sample : K4554-42
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** SB-3-(8-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

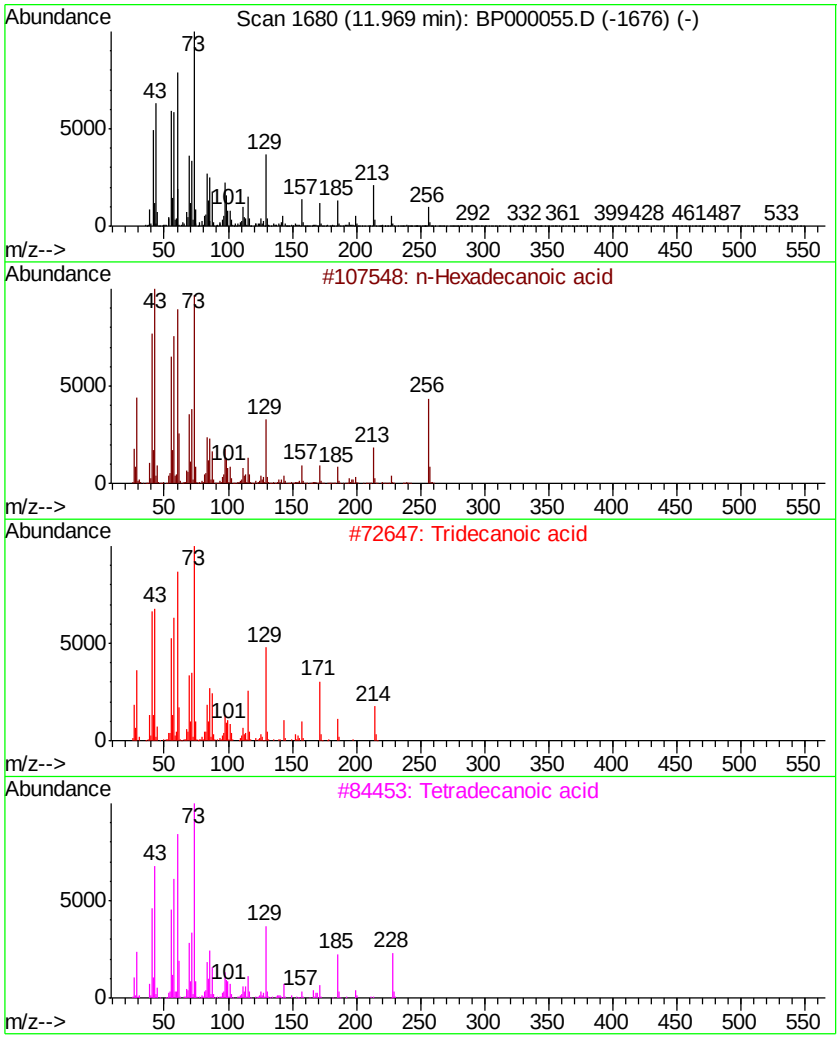
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

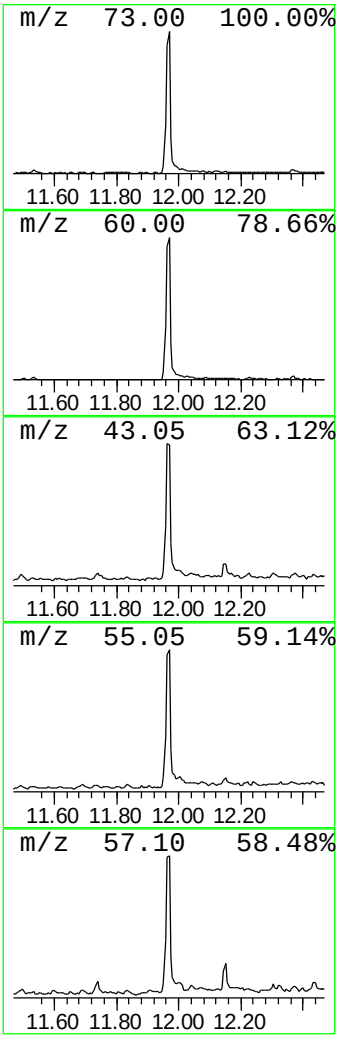
**********

Peak Number 4 n-Hexadecanoic acid Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.97 | 2.00 ng | 453508 | Phenanthrene-d10 | 11.43 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 2 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 94 |
| 3 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 89 |
| 4 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 76 |
| 5 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 76 |



# Library Search Compound Report

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Acq On : 04 Sep 2019 10:32
Operator : HP/JU
Sample : K4554-42
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** SB-3-(8-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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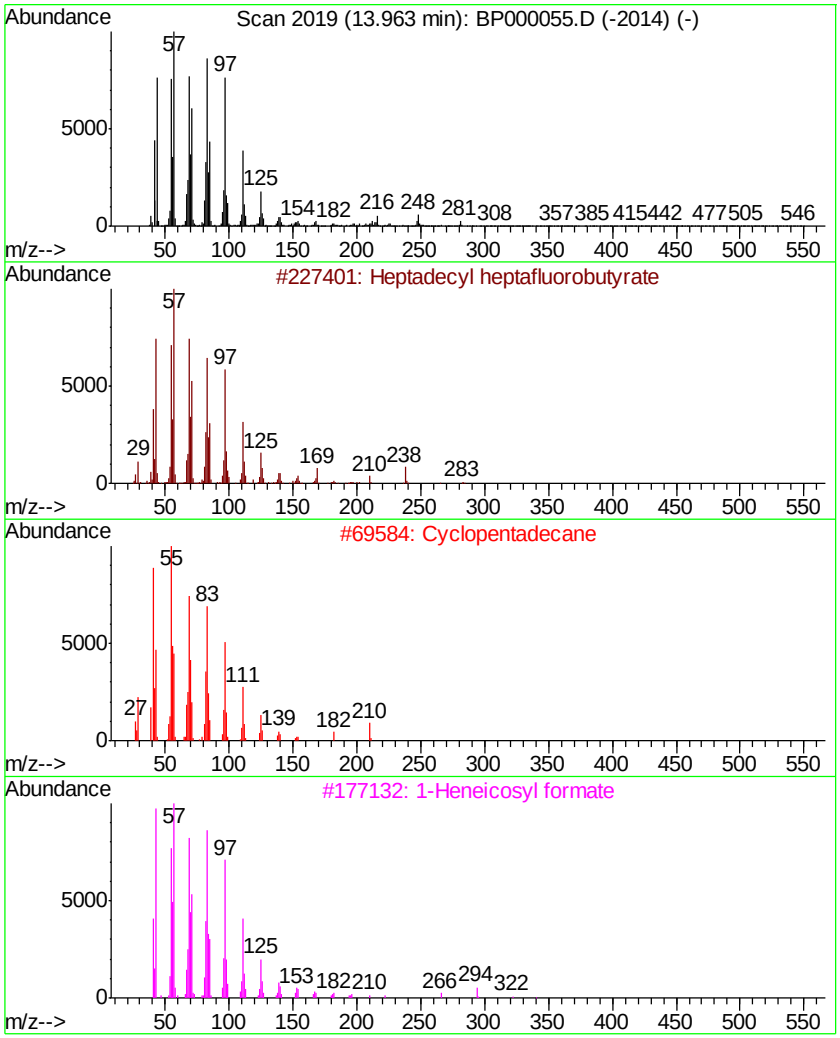
TIC Integration Parameters: LSCINT.P

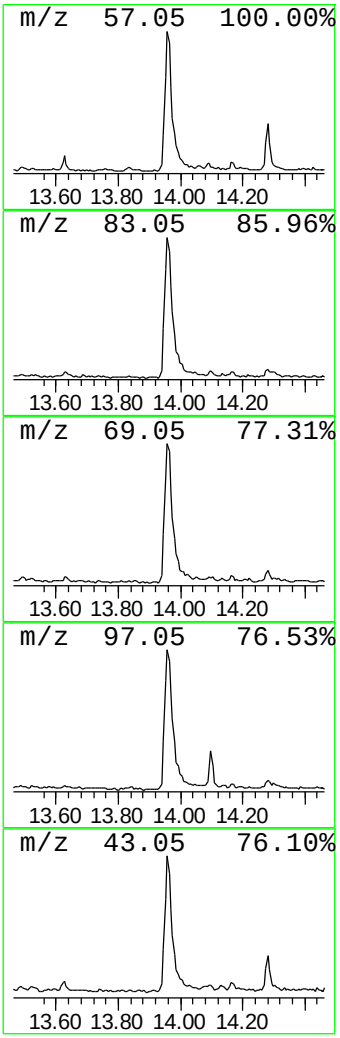
**********

Peak Number 5 Heptadecyl heptafluorobutyrate Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.96 | 2.65 ng | 575515 | Chrysene-d12 | 14.10 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecyl heptafluorobutyrate | 452 | C21H35F7O2 | 959085-66-6 | 94 |
| 2 | Cyclopentadecane | 210 | C15H30 | 000295-48-7 | 93 |
| 3 | 1-Heneicosyl formate | 340 | C22H44O2 | 077899-03-7 | 90 |
| 4 | Trifluoroacetoxy hexadecane | 338 | C18H33F3O2 | 006222-03-3 | 90 |
| 5 | 1-Hexadecanol | 242 | C16H34O | 036653-82-4 | 87 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP090419\
Data File : BP000055.D
Acq On : 04 Sep 2019 10:32
Operator : HP/JU
Sample : K4554-42
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** SB-3-(8-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP083019.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... | 2.19 | 15.8 | ng | 2136950 | 1 | 6.89 | 2698260 | 20.0 |
| unknown6.66 | 6.66 | 70.6 | ng | 9524360 | 1 | 6.89 | 2698260 | 20.0 |
| n-Hexadecanoic acid | 11.97 | 2.0 | ng | 453508 | 4 | 11.43 | 4533320 | 20.0 |
| Heptadecyl heptaf... | 13.96 | 2.6 | ng | 575515 | 5 | 14.10 | 4346260 | 20.0 |