LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040820\
Data File : BF119853.D
Acq On : 9 Apr 2020 4:56
Operator : MA/SJ
Sample : L2151-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CBH-139

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_F\METHODS\8270-BF040820.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 | 4.963 | 482 | 489 | 497 | rBV | 100107 | 133827 | 1.39% | 0.250% |
| 2 | 5.375 | 554 | 559 | 562 | rBV | 3387921 | 3079175 | 32.09% | 5.753% |
| 3 | 6.393 | 727 | 732 | 739 | rBV | 2055540 | 1910568 | 19.91% | 3.569% |
| 4 | 6.763 | 791 | 795 | 799 | rBV | 1422012 | 1199252 | 12.50% | 2.241% |
| 5 | 6.922 | 817 | 822 | 826 | rBV | 5297309 | 5424211 | 56.53% | 10.134% |
| 6 | 7.334 | 885 | 892 | 895 | rBV | 4250635 | 4920197 | 51.28% | 9.192% |
| 7 | 8.051 | 1009 | 1014 | 1017 | rBV | 1780890 | 1631872 | 17.01% | 3.049% |
| 8 | 9.134 | 1192 | 1198 | 1201 | rBV | 8017014 | 8872282 | 92.46% | 16.576% |
| 9 | 9.522 | 1259 | 1264 | 1267 | rBV | 1028421 | 854180 | 8.90% | 1.596% |
| 10 | 9.804 | 1305 | 1312 | 1316 | rBV | 2031594 | 2030180 | 21.16% | 3.793% |
| 11 | 10.604 | 1440 | 1448 | 1451 | rBV | 5702948 | 6220442 | 64.83% | 11.622% |
| 12 | 11.292 | 1561 | 1565 | 1569 | rBV | 2559519 | 2147090 | 22.38% | 4.011% |
| 13 | 11.827 | 1652 | 1656 | 1666 | rBV | 422028 | 463753 | 4.83% | 0.866% |
| 14 | 12.610 | 1786 | 1789 | 1798 | rBV | 170695 | 202886 | 2.11% | 0.379% |
| 15 | 12.892 | 1830 | 1837 | 1840 | rBV | 8185932 | 9595411 | 100.00% | 17.927% |
| 16 | 13.363 | 1914 | 1917 | 1921 | rVB | 282710 | 249957 | 2.60% | 0.467% |
| 17 | 13.816 | 1991 | 1994 | 2006 | rVB | 191644 | 417362 | 4.35% | 0.780% |
| 18 | 13.933 | 2010 | 2014 | 2018 | rBV | 2087088 | 1810305 | 18.87% | 3.382% |
| 19 | 14.410 | 2092 | 2095 | 2099 | rBV | 111406 | 106131 | 1.11% | 0.198% |
| 20 | 14.521 | 2111 | 2114 | 2118 | rVB | 201308 | 167549 | 1.75% | 0.313% |
| 21 | 14.710 | 2143 | 2146 | 2150 | rVB | 126434 | 124811 | 1.30% | 0.233% |
| 22 | 15.039 | 2198 | 2202 | 2208 | rBV | 128727 | 148046 | 1.54% | 0.277% |
| 23 | 15.374 | 2249 | 2259 | 2262 | rBV | 1185825 | 1537509 | 16.02% | 2.873% |
| 24 | 15.410 | 2262 | 2265 | 2275 | rVB | 119828 | 157221 | 1.64% | 0.294% |
| 25 | 15.833 | 2332 | 2337 | 2342 | rVB | 82666 | 120763 | 1.26% | 0.226% |

Sum of corrected areas: 53524980

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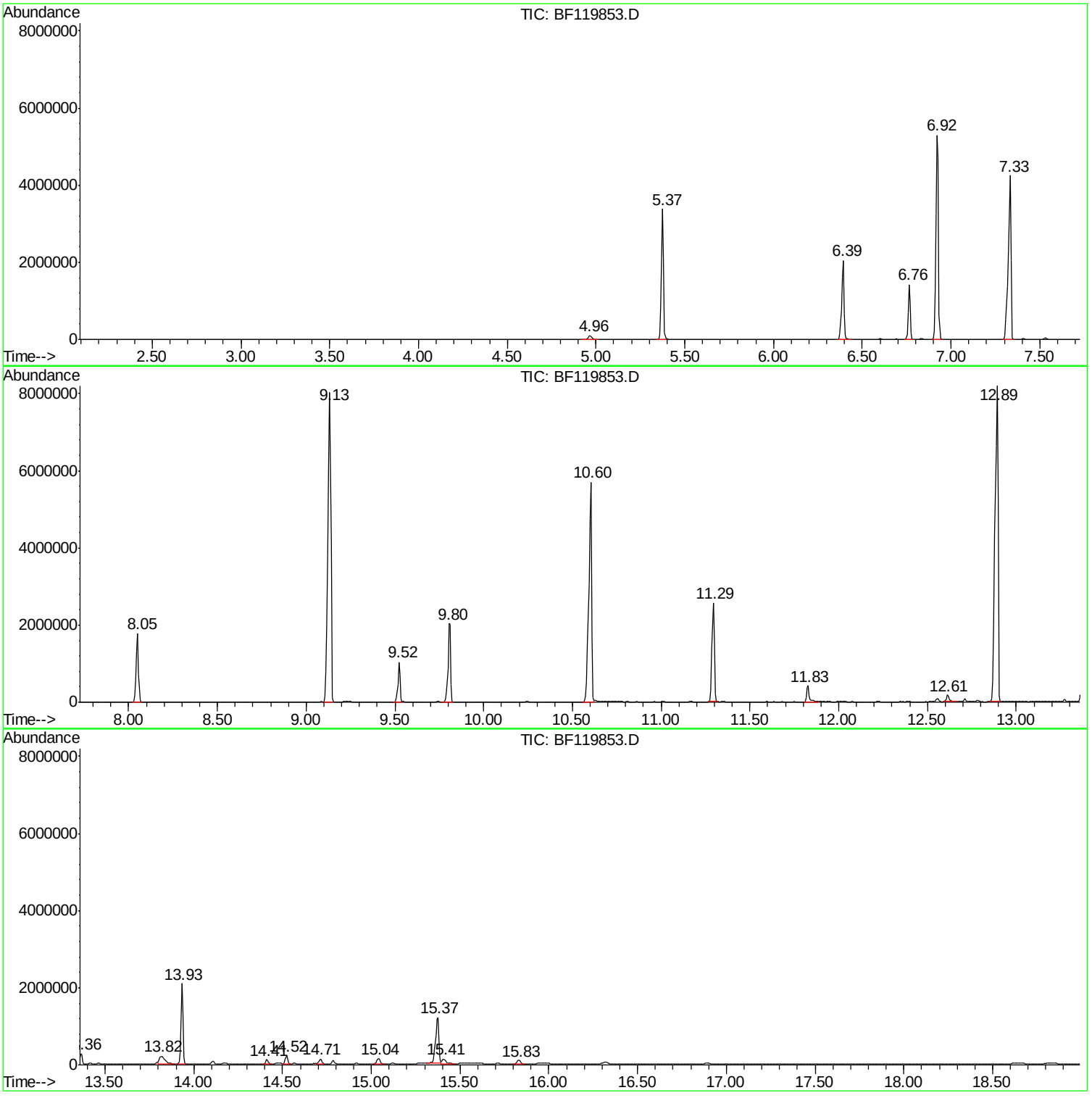
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
CBH-139

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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 F\DATA\BF040820\
Data File : BF119853.D
Acq On : 9 Apr 2020 4:56
Operator : MA/SJ
Sample : L2151-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CBH-139

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

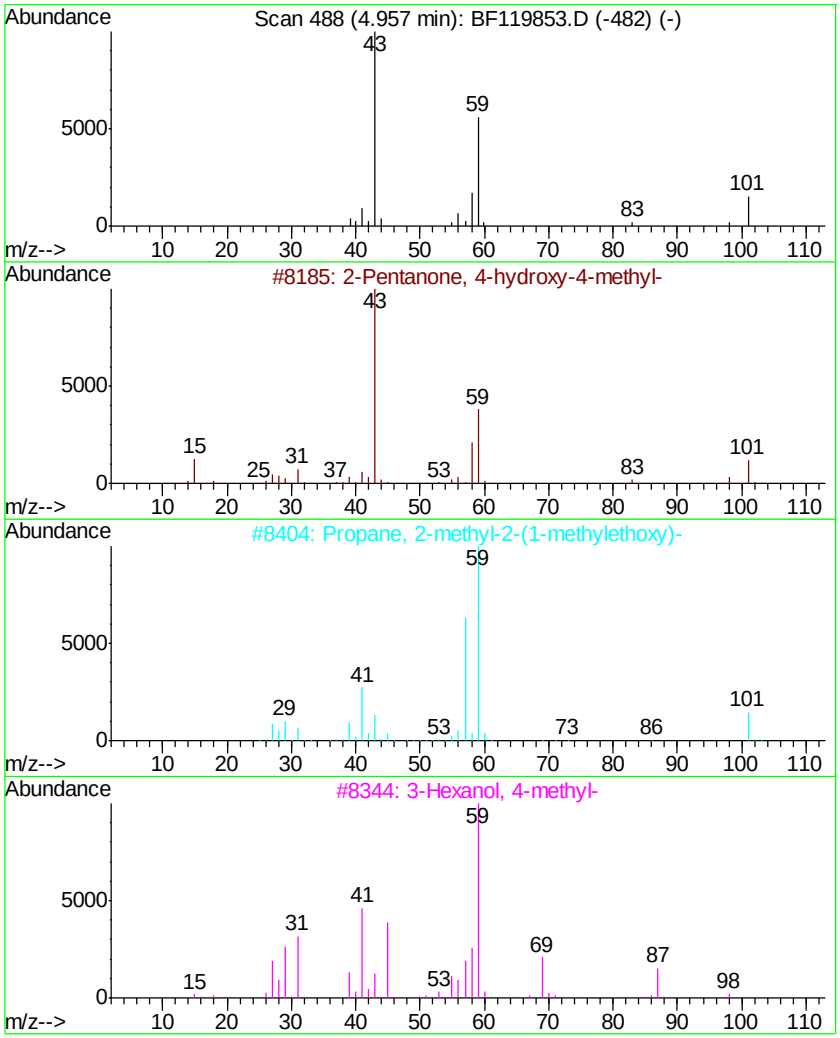
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

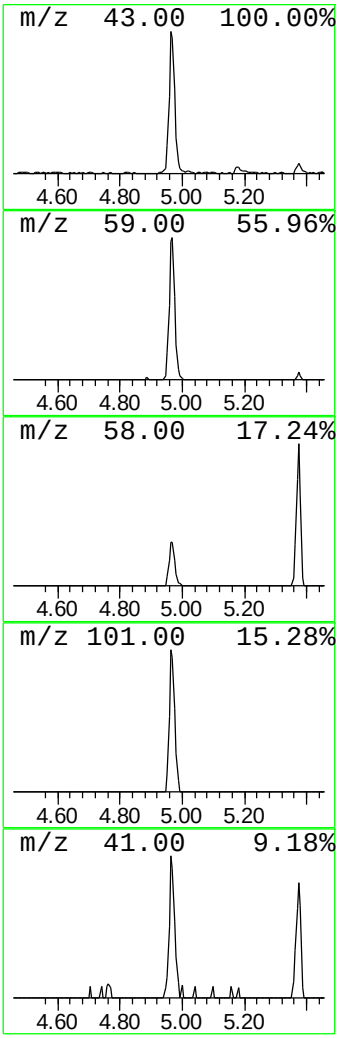
**********

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.96 | 2.23 ng | 133827 | 1,4-Dichlorobenzene-d4 | 6.76 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 64 |
| 2 | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O | 017348-59-3 | 36 |
| 3 | 3-Hexanol, 4-methyl- | 116 | C7H16O | 000615-29-2 | 33 |
| 4 | 2-Hexanol, 2-methyl- | 116 | C7H16O | 000625-23-0 | 33 |
| 5 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 23 |



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Operator : MA/SJ
Sample : L2151-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CBH-139

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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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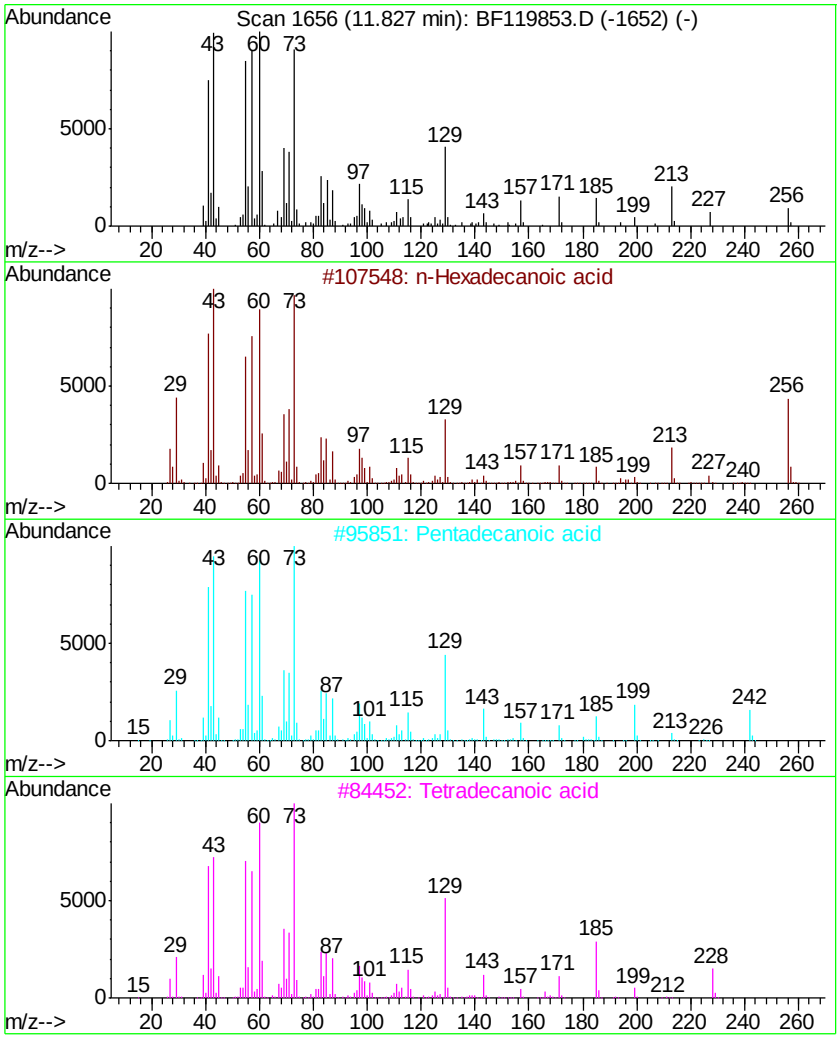
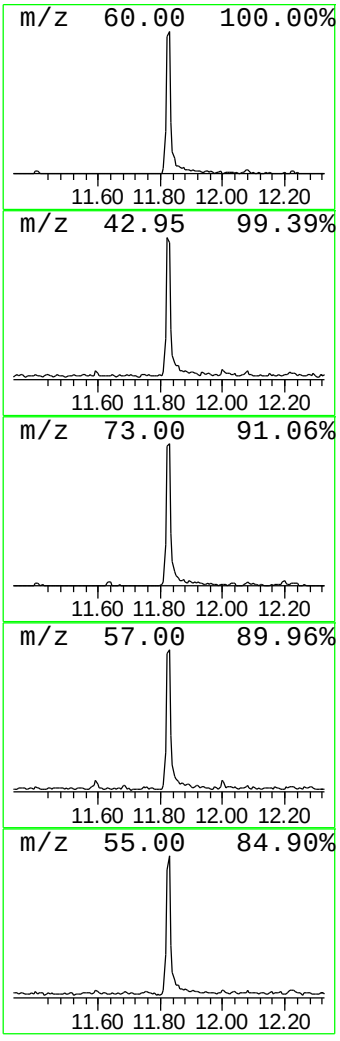
Peak Number 3 n-Hexadecanoic acid Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.83 | 4.32 ng | 463753 | Phenanthrene-d10 | 11.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 95 |
| 2 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 90 |
| 3 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 64 |
| 4 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 64 |
| 5 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 53 |



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Operator : MA/SJ
Sample : L2151-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CBH-139

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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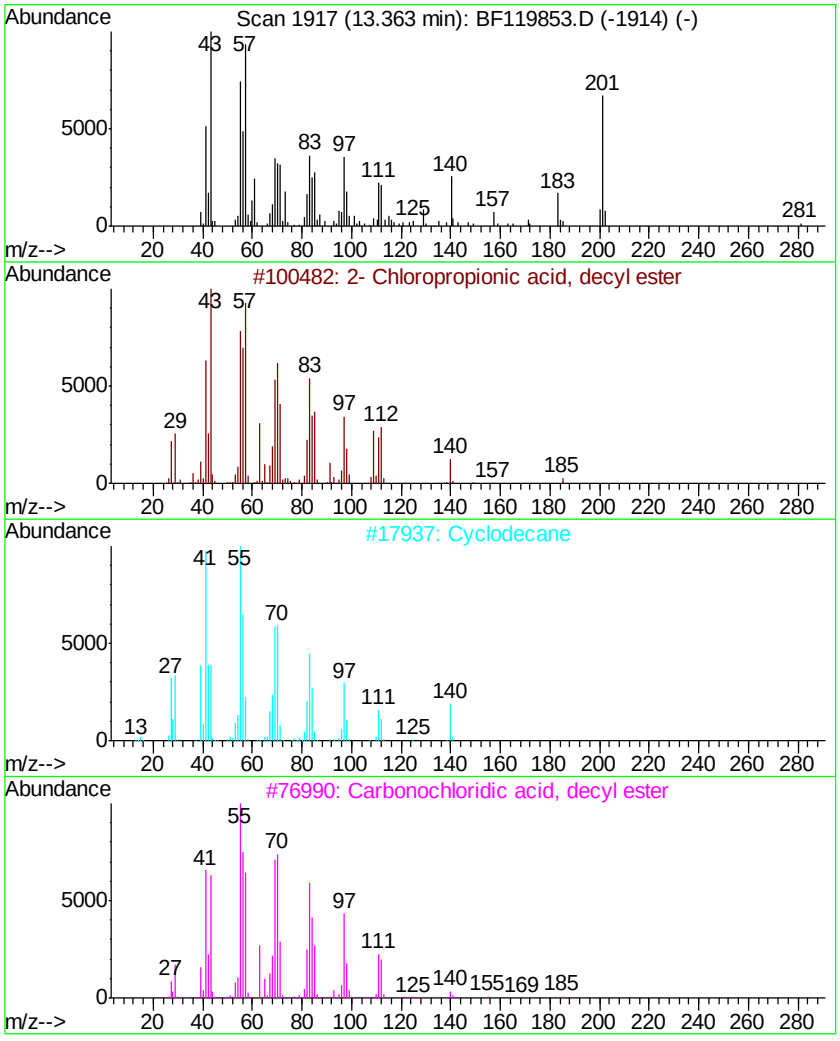
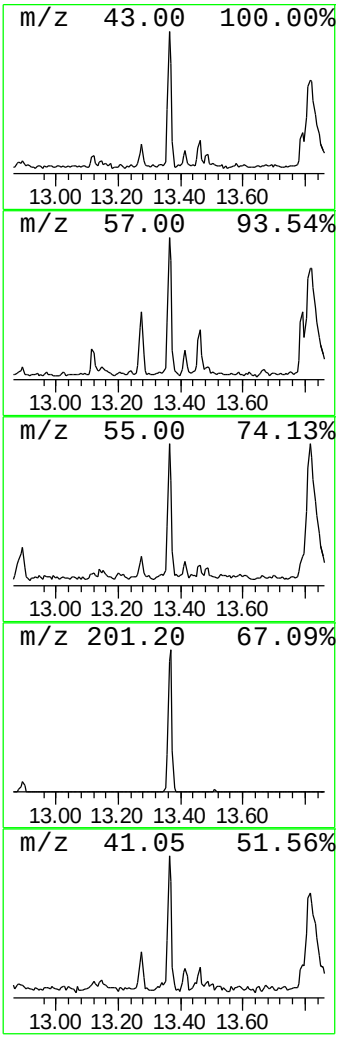
Peak Number 4 unknown13.36 Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.36 | 2.76 ng | 249957 | Chrysene-d12 | 13.93 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2- Chloropropionic acid, decyl e... | 248 | C13H25ClO2 | 086711-78-6 | 46 |
| 2 | Cyclodecane | 140 | C10H20 | 000293-96-9 | 46 |
| 3 | Carbonochloridic acid, decyl ester | 220 | C11H21ClO2 | 055488-51-2 | 46 |
| 4 | Decane, 1-fluoro- | 160 | C10H21F | 000334-56-5 | 43 |
| 5 | 5-Bromovaleric acid, decyl ester | 320 | C15H29BrO2 | 175083-30-4 | 38 |



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ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CBH-139

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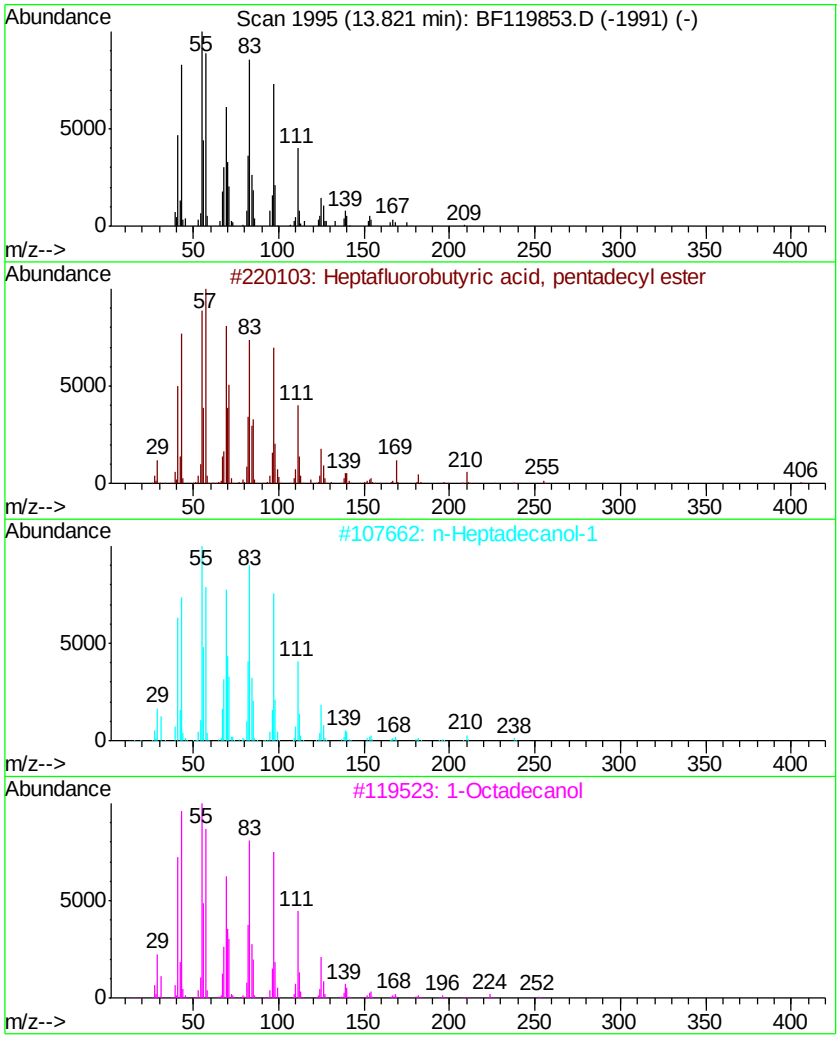
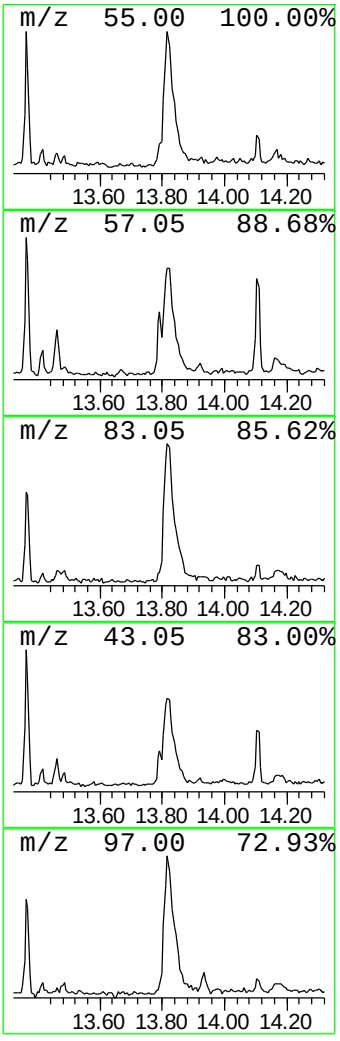
**********
Peak Number 5 Heptafluorobutyric acid, pe... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.82 | 4.61 ng | 417362 | Chrysene-d12 | 13.93 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptafluorobutyric acid, pentade... | 424 | C19H31F7O2 | 959261-23-5 | 94 |
| 2 | n-Heptadecanol-1 | 256 | C17H36O | 001454-85-9 | 91 |
| 3 | 1-Octadecanol | 270 | C18H38O | 000112-92-5 | 91 |
| 4 | 2- Chloropropionic acid, octadec... | 360 | C21H41ClO2 | 088104-31-8 | 91 |
| 5 | Heptadecyl heptafluorobutyrate | 452 | C21H35F7O2 | 959085-66-6 | 91 |



# Tentatively Identified Compound (LSC) summary

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Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CBH-139

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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 |
| 2-Pentanone, 4-hy... | 4.96 | 2.2 | ng | 133827 | 1 | 6.76 | 1199250 | 20.0 |
| n-Hexadecanoic acid | 11.83 | 4.3 | ng | 463753 | 4 | 11.29 | 2147090 | 20.0 |
| unknown13.36 | 13.36 | 2.8 | ng | 249957 | 5 | 13.93 | 1810310 | 20.0 |
| Heptafluorobutyri... | 13.82 | 4.6 | ng | 417362 | 5 | 13.93 | 1810310 | 20.0 |