LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111517\
Data File : BF100584.D
Acq On : 15 Nov 2017 13:29
Operator : SJ/JU
Sample : I6436-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 153RD-63RD-ST-DRUM

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_F\METHODS\8270-BF110817.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 | 2.193 | 14 | 18 | 24 | rVB2 | 20514 | 33964 | 1.19% | 0.119% |
| 2 | 5.110 | 510 | 514 | 523 | rBV | 411082 | 559347 | 19.57% | 1.961% |
| 3 | 5.504 | 574 | 581 | 585 | rBV | 2463703 | 2741887 | 95.94% | 9.615% |
| 4 | 5.739 | 617 | 621 | 624 | rBV | 50623 | 48096 | 1.68% | 0.169% |
| 5 | 6.510 | 745 | 752 | 757 | rBV | 2509167 | 2858066 | 100.00% | 10.022% |
| 6 | 6.657 | 772 | 777 | 780 | rBV | 2560780 | 2738184 | 95.81% | 9.602% |
| 7 | 6.881 | 812 | 815 | 819 | rBV | 941336 | 800537 | 28.01% | 2.807% |
| 8 | 7.039 | 838 | 842 | 845 | rVB | 2270681 | 2058273 | 72.02% | 7.217% |
| 9 | 7.445 | 905 | 911 | 914 | rBV | 1810705 | 1777099 | 62.18% | 6.231% |
| 10 | 8.163 | 1029 | 1033 | 1036 | rBV | 1205332 | 1053370 | 36.86% | 3.694% |
| 11 | 8.716 | 1123 | 1127 | 1131 | rBV | 140606 | 114266 | 4.00% | 0.401% |
| 12 | 9.239 | 1211 | 1216 | 1219 | rBV | 3109424 | 2797929 | 97.90% | 9.811% |
| 13 | 9.627 | 1279 | 1282 | 1285 | rBV | 103292 | 77245 | 2.70% | 0.271% |
| 14 | 9.716 | 1293 | 1297 | 1303 | rVB | 176321 | 159478 | 5.58% | 0.559% |
| 15 | 9.922 | 1327 | 1332 | 1335 | rBV | 1182211 | 1122388 | 39.27% | 3.936% |
| 16 | 10.627 | 1448 | 1452 | 1456 | rBV | 507113 | 413841 | 14.48% | 1.451% |
| 17 | 10.710 | 1461 | 1466 | 1474 | rVB | 1656076 | 1766881 | 61.82% | 6.196% |
| 18 | 10.827 | 1484 | 1486 | 1489 | rVB | 47366 | 37080 | 1.30% | 0.130% |
| 19 | 10.880 | 1492 | 1495 | 1497 | rBV | 78829 | 62099 | 2.17% | 0.218% |
| 20 | 10.910 | 1497 | 1500 | 1504 | rVV2 | 72566 | 88299 | 3.09% | 0.310% |
| 21 | 10.945 | 1504 | 1506 | 1508 | rVV2 | 79475 | 64202 | 2.25% | 0.225% |
| 22 | 10.969 | 1508 | 1510 | 1513 | rVV | 41708 | 39222 | 1.37% | 0.138% |
| 23 | 11.016 | 1513 | 1518 | 1519 | rVV | 32715 | 40263 | 1.41% | 0.141% |
| 24 | 11.057 | 1522 | 1525 | 1529 | rVV3 | 79592 | 87444 | 3.06% | 0.307% |
| 25 | 11.098 | 1529 | 1532 | 1534 | rVV | 88183 | 74144 | 2.59% | 0.260% |
| 26 | 11.139 | 1537 | 1539 | 1546 | rVB2 | 47355 | 39281 | 1.37% | 0.138% |
| 27 | 11.404 | 1580 | 1584 | 1587 | rBV | 1237560 | 1033261 | 36.15% | 3.623% |
| 28 | 11.427 | 1587 | 1588 | 1591 | rVB | 81547 | 40555 | 1.42% | 0.142% |
| 29 | 11.916 | 1666 | 1671 | 1676 | rBV2 | 236429 | 260498 | 9.11% | 0.913% |
| 30 | 12.127 | 1704 | 1707 | 1710 | rVB | 55505 | 44613 | 1.56% | 0.156% |
| 31 | 12.616 | 1786 | 1790 | 1793 | rBV | 159849 | 166418 | 5.82% | 0.584% |
| 32 | 12.704 | 1802 | 1805 | 1811 | rBV | 134711 | 136118 | 4.76% | 0.477% |
| 33 | 12.863 | 1829 | 1832 | 1839 | rVB | 639051 | 562210 | 19.67% | 1.971% |
| 34 | 12.986 | 1849 | 1853 | 1856 | rBV | 2050241 | 1843926 | 64.52% | 6.466% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111517\
Data File : BF100584.D
Acq On : 15 Nov 2017 13:29
Operator : SJ/JU
Sample : I6436-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 153RD-63RD-ST-DRUM

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_F\METHODS\8270-BF110817.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 13.868 | 2000 | 2003 | 2008 | rBV4 | 73887 | 86750 | 3.04% | 0.304% |
| 36 | 14.010 | 2025 | 2027 | 2029 | rBV | 56904 | 62008 | 2.17% | 0.217% |
| 37 | 14.039 | 2029 | 2032 | 2035 | rVV | 912363 | 834290 | 29.19% | 2.925% |
| 38 | 14.062 | 2035 | 2036 | 2042 | rVB | 63156 | 50056 | 1.75% | 0.176% |
| 39 | 14.498 | 2107 | 2110 | 2115 | rBV4 | 35330 | 46340 | 1.62% | 0.162% |
| 40 | 14.792 | 2156 | 2160 | 2167 | rVB2 | 94496 | 140992 | 4.93% | 0.494% |
| 41 | 15.080 | 2205 | 2209 | 2215 | rBV | 49238 | 93039 | 3.26% | 0.326% |
| 42 | 15.145 | 2217 | 2220 | 2225 | rVB3 | 38719 | 47550 | 1.66% | 0.167% |
| 43 | 15.445 | 2268 | 2271 | 2277 | rBV | 34397 | 51197 | 1.79% | 0.180% |
| 44 | 15.515 | 2278 | 2283 | 2291 | rVB | 750871 | 992634 | 34.73% | 3.481% |
| 45 | 15.968 | 2357 | 2360 | 2365 | rVB5 | 22661 | 34597 | 1.21% | 0.121% |
| 46 | 16.468 | 2440 | 2445 | 2454 | rVB2 | 91419 | 185847 | 6.50% | 0.652% |
| 47 | 17.780 | 2659 | 2668 | 2680 | rVB4 | 54555 | 152366 | 5.33% | 0.534% |

Sum of corrected areas: 28518150

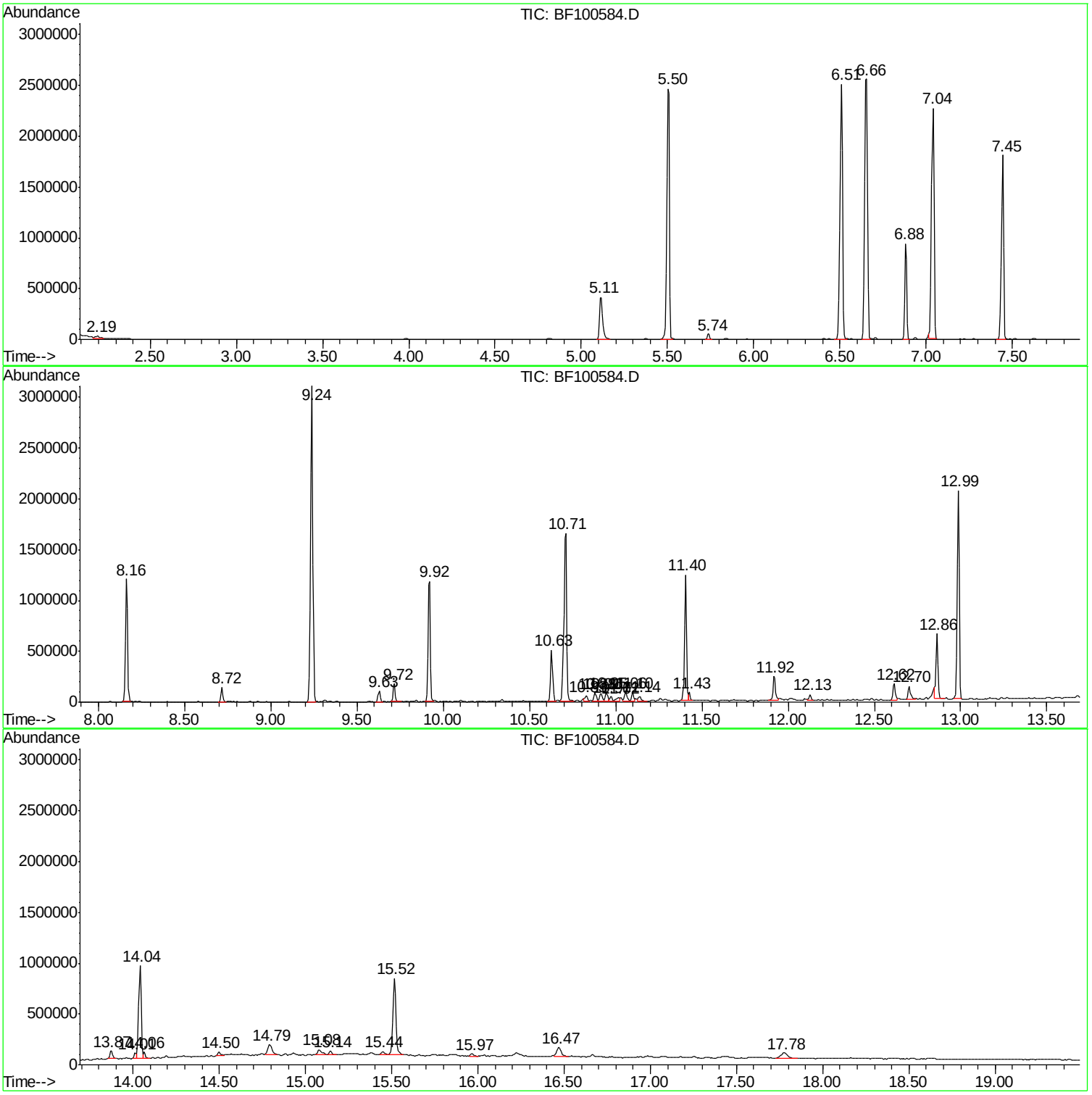
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111517\
Data File : BF100584.D
Acq On : 15 Nov 2017 13:29
Operator : SJ/JU
Sample : I6436-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 153RD-63RD-ST-DRUM

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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:\HPCHEM1\BNA_F\DATA\BF111517\
Data File : BF100584.D
Acq On : 15 Nov 2017 13:29
Operator : SJ/JU
Sample : I6436-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 153RD-63RD-ST-DRUM

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

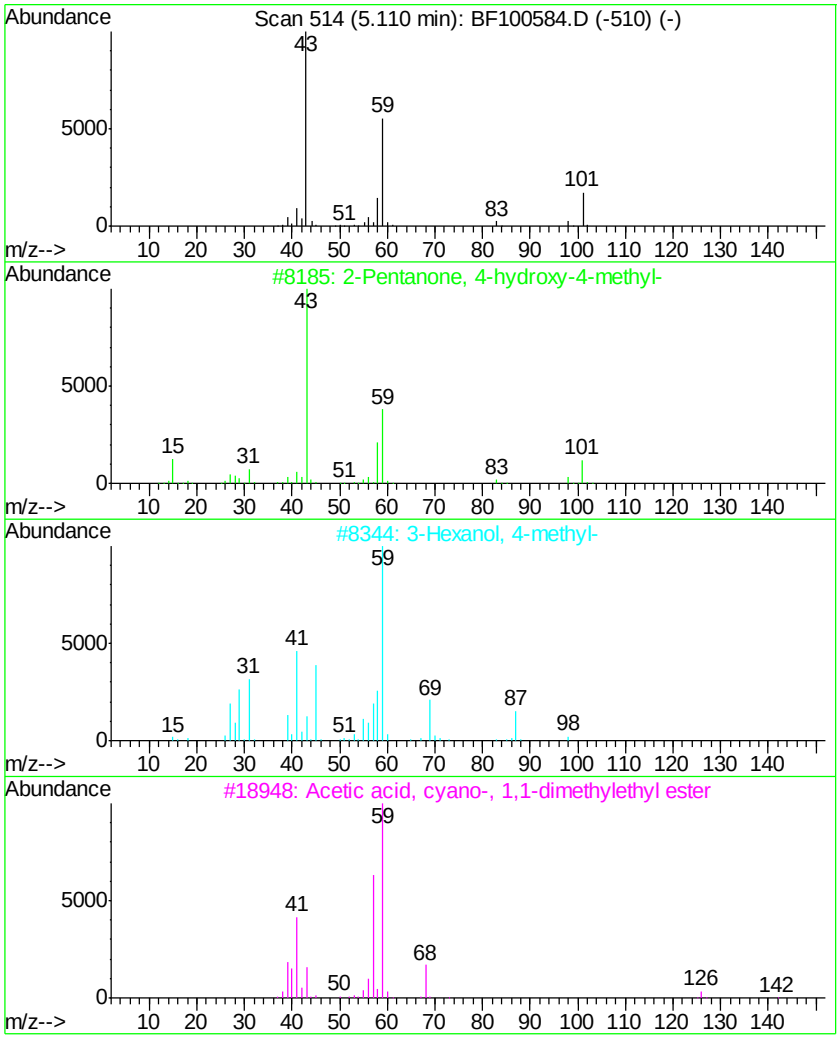
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

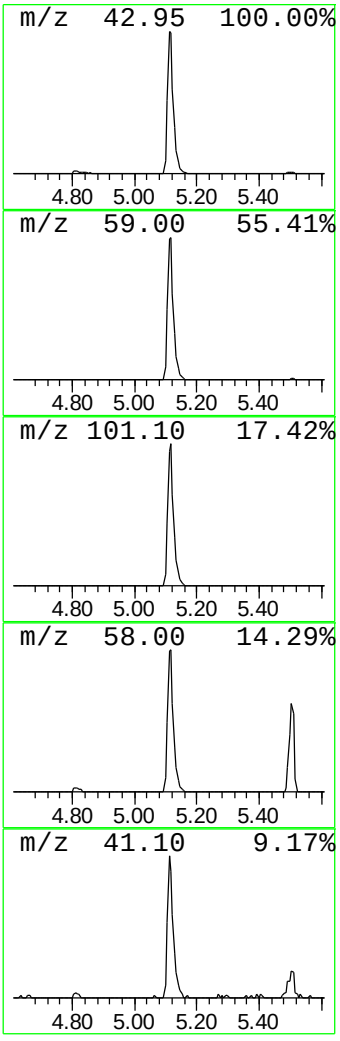
**********

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.11 | 13.97 ng | 559347 | 1,4-Dichlorobenzene-d4 | 6.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 64 |
| 2 | 3-Hexanol, 4-methyl- | 116 | C7H16O | 000615-29-2 | 33 |
| 3 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 23 |
| 4 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 9 |
| 5 | Propanoic acid, 2-nitro-, methyl... | 133 | C4H7NO4 | 006118-50-9 | 9 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111517\
Data File : BF100584.D
Acq On : 15 Nov 2017 13:29
Operator : SJ/JU
Sample : I6436-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 153RD-63RD-ST-DRUM

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

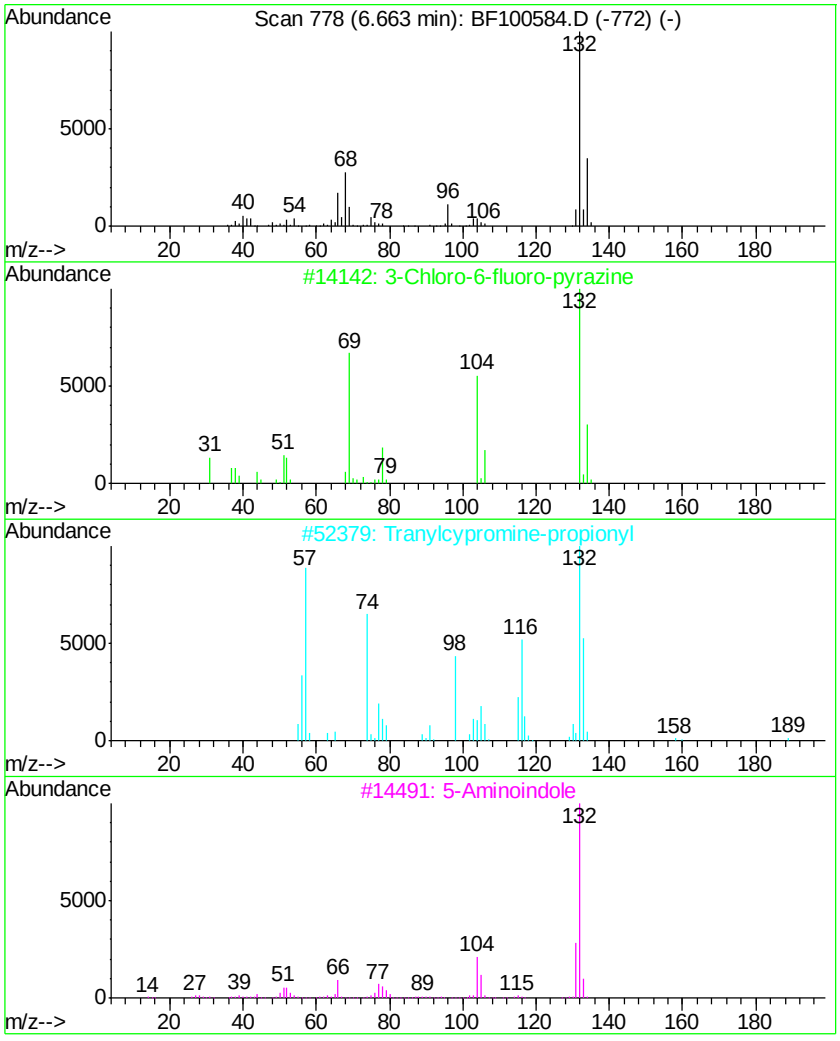
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

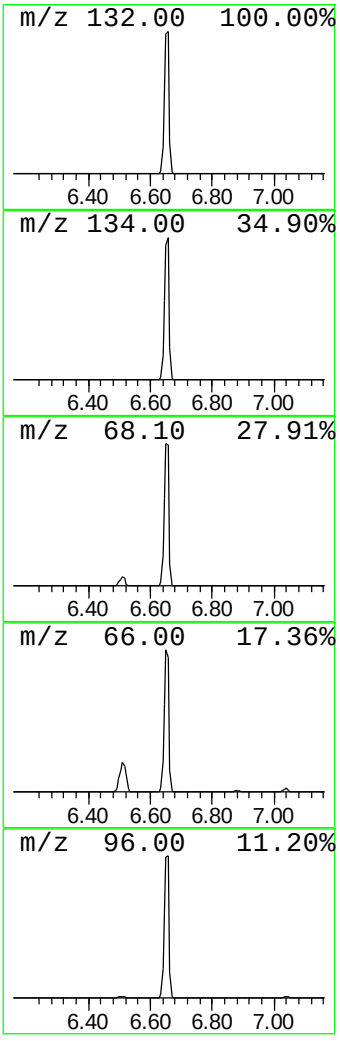
**********

Peak Number 2 unknown6.66 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.66 | 68.41 ng | 2738180 | 1,4-Dichlorobenzene-d4 | 6.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 12 |
| 3 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |
| 4 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 12 |
| 5 | 1,3,5-Trifluorobenzene | 132 | C6H3F3 | 000372-38-3 | 9 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111517\
Data File : BF100584.D
Acq On : 15 Nov 2017 13:29
Operator : SJ/JU
Sample : I6436-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 153RD-63RD-ST-DRUM

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

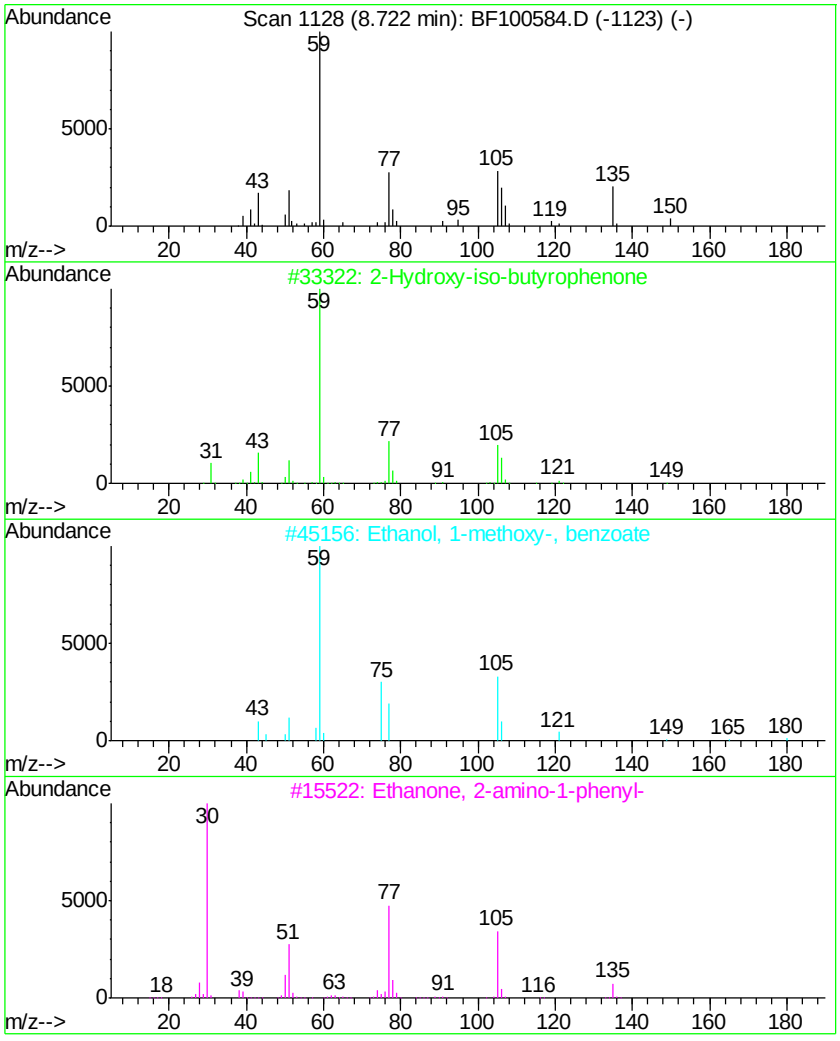
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

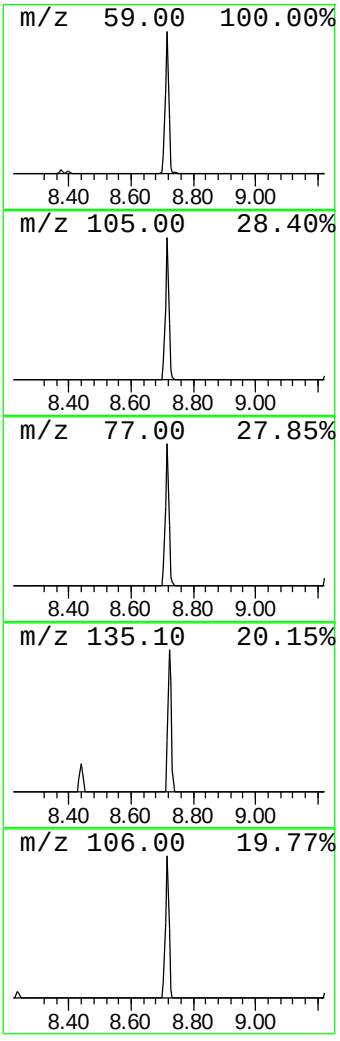
**********

Peak Number 4 2-Hydroxy-iso-butyrophenone Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.72 | 2.17 ng | 114266 | Naphthalene-d8 | 8.16 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Hydroxy-iso-butyrophenone | 164 | C10H12O2 | 007473-98-5 | 78 |
| 2 | Ethanol, 1-methoxy-, benzoate | 180 | C10H12O3 | 051835-44-0 | 56 |
| 3 | Ethanone, 2-amino-1-phenyl- | 135 | C8H9NO | 000613-89-8 | 14 |
| 4 | Propionic acid, 2-isopropoxy-, m... | 146 | C7H14O3 | 1000151-15-1 | 9 |
| 5 | Acetic acid, chloro-, methyl ester | 108 | C3H5ClO2 | 000096-34-4 | 9 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111517\
Data File : BF100584.D
Acq On : 15 Nov 2017 13:29
Operator : SJ/JU
Sample : I6436-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
153RD-63RD-ST-DRUM

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

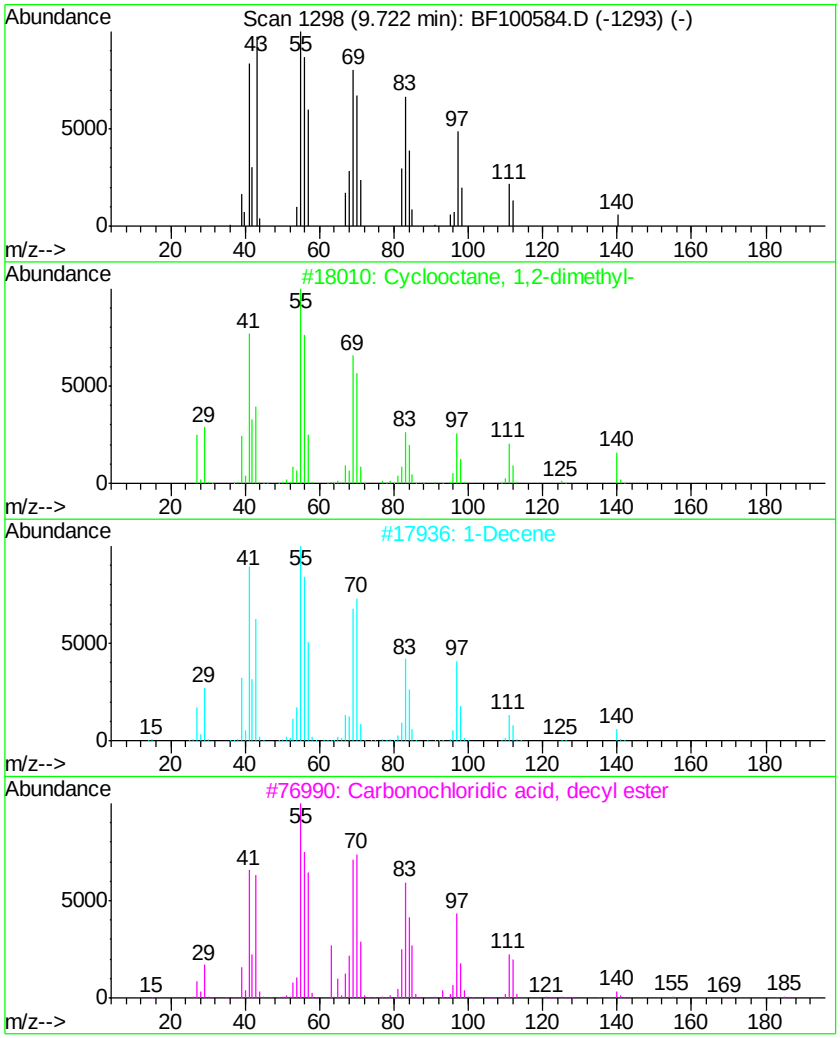
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

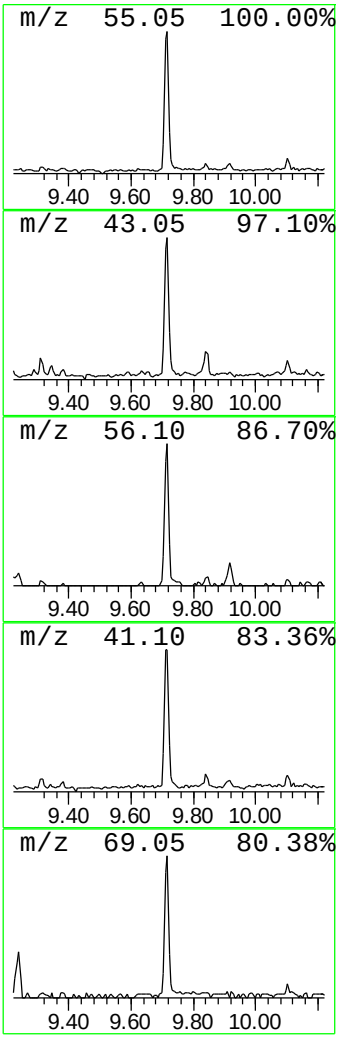
**********

Peak Number 5 Cyclooctane, 1,2-dimethyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.72 | 2.84 ng | 159478 | Acenaphthene-d10 | 9.92 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclooctane, 1,2-dimethyl- | 140 | C10H20 | 013151-94-5 | 95 |
| 2 | 1-Decene | 140 | C10H20 | 000872-05-9 | 94 |
| 3 | Carbonochloridic acid, decyl ester | 220 | C11H21ClO2 | 055488-51-2 | 91 |
| 4 | Cyclopropane, nonyl- | 168 | C12H24 | 074663-85-7 | 91 |
| 5 | Cyclopropane, 1-methyl-2-octyl- | 168 | C12H24 | 037617-26-8 | 91 |



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Data File : BF100584.D
Acq On : 15 Nov 2017 13:29
Operator : SJ/JU
Sample : I6436-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 153RD-63RD-ST-DRUM

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

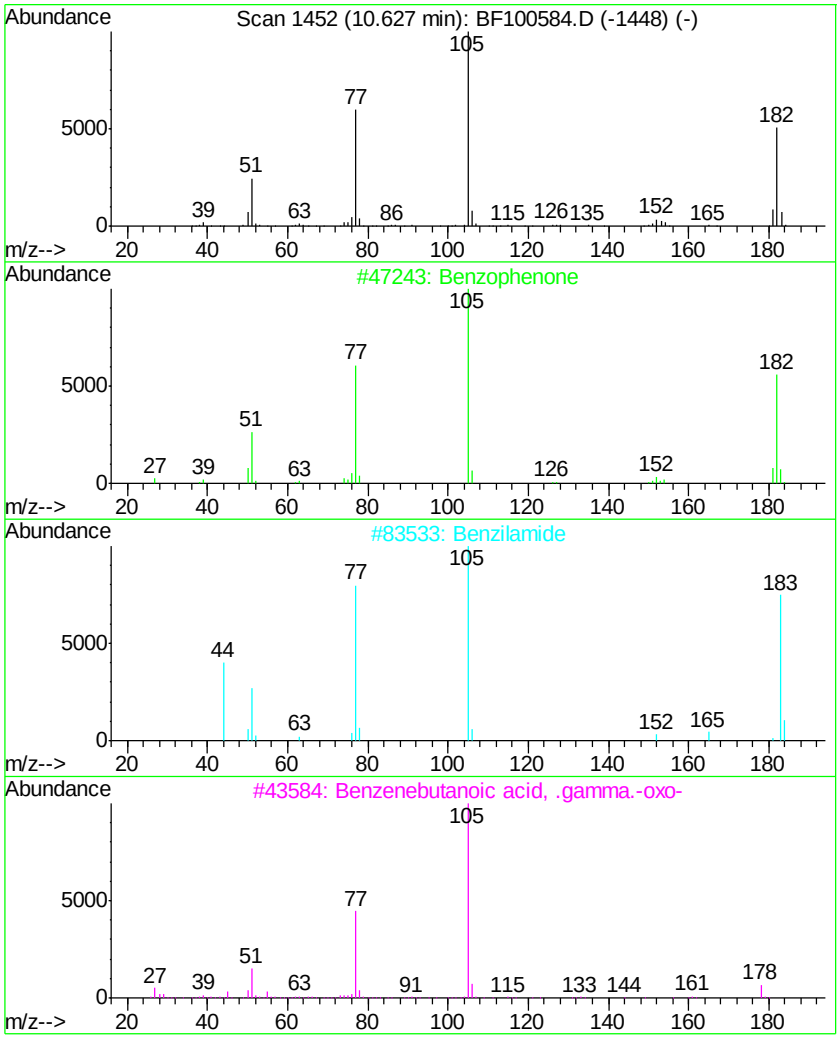
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

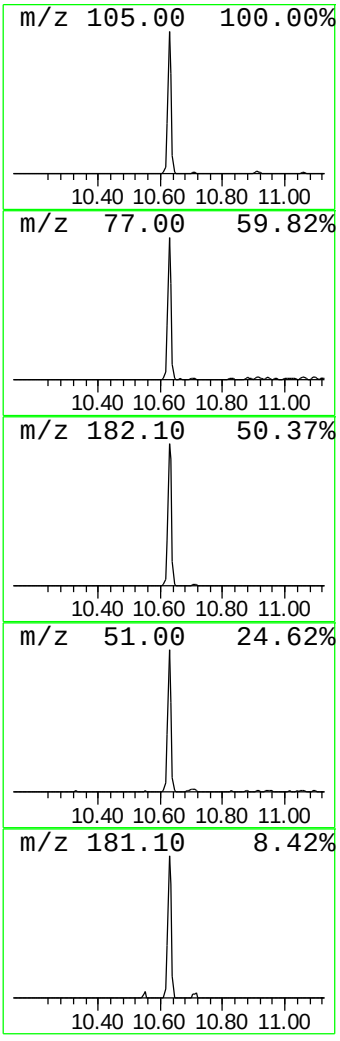
**********

Peak Number 6 Benzophenone Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.63 | 7.37 ng | 413841 | Acenaphthene-d10 | 9.92 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzophenone | 182 | C13H10O | 000119-61-9 | 96 |
| 2 | Benzilamide | 227 | C14H13NO2 | 004746-87-6 | 47 |
| 3 | Benzenebutanoic acid, .gamma.-oxo- | 178 | C10H10O3 | 002051-95-8 | 47 |
| 4 | Benzopinacol | 366 | C26H22O2 | 000464-72-2 | 47 |
| 5 | N-Methoxy-N-methylbenzamide | 165 | C9H11NO2 | 006919-61-5 | 47 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111517\
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Acq On : 15 Nov 2017 13:29
Operator : SJ/JU
Sample : I6436-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 153RD-63RD-ST-DRUM

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

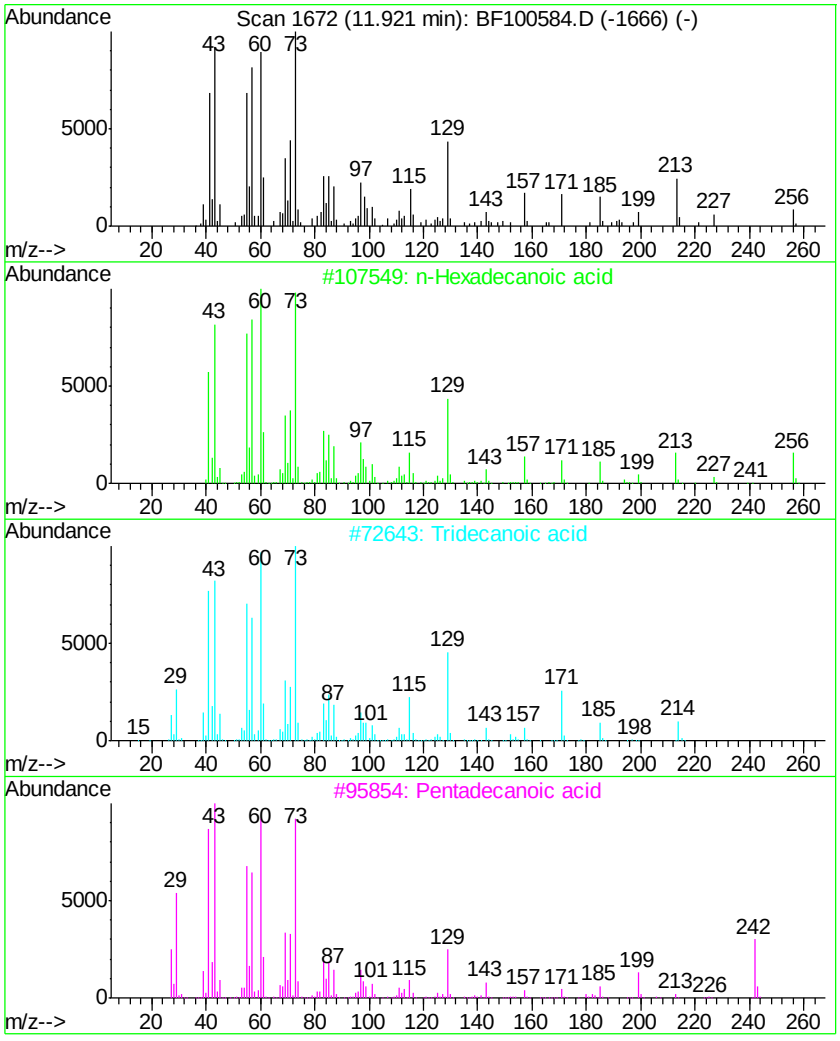
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

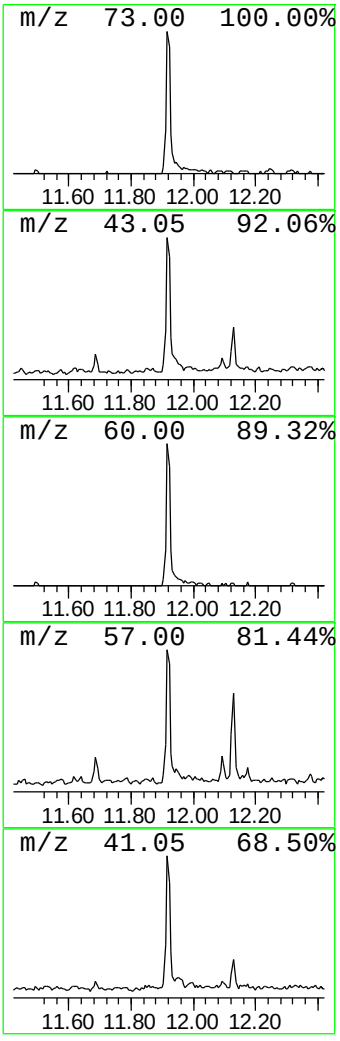
**********

Peak Number 7 n-Hexadecanoic acid Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.92 | 5.04 ng | 260498 | Phenanthrene-d10 | 11.40 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 95 |
| 2 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 90 |
| 3 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 87 |
| 4 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 87 |
| 5 | Undecanoic acid | 186 | C11H22O2 | 000112-37-8 | 64 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111517\
Data File : BF100584.D
Acq On : 15 Nov 2017 13:29
Operator : SJ/JU
Sample : I6436-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 153RD-63RD-ST-DRUM

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

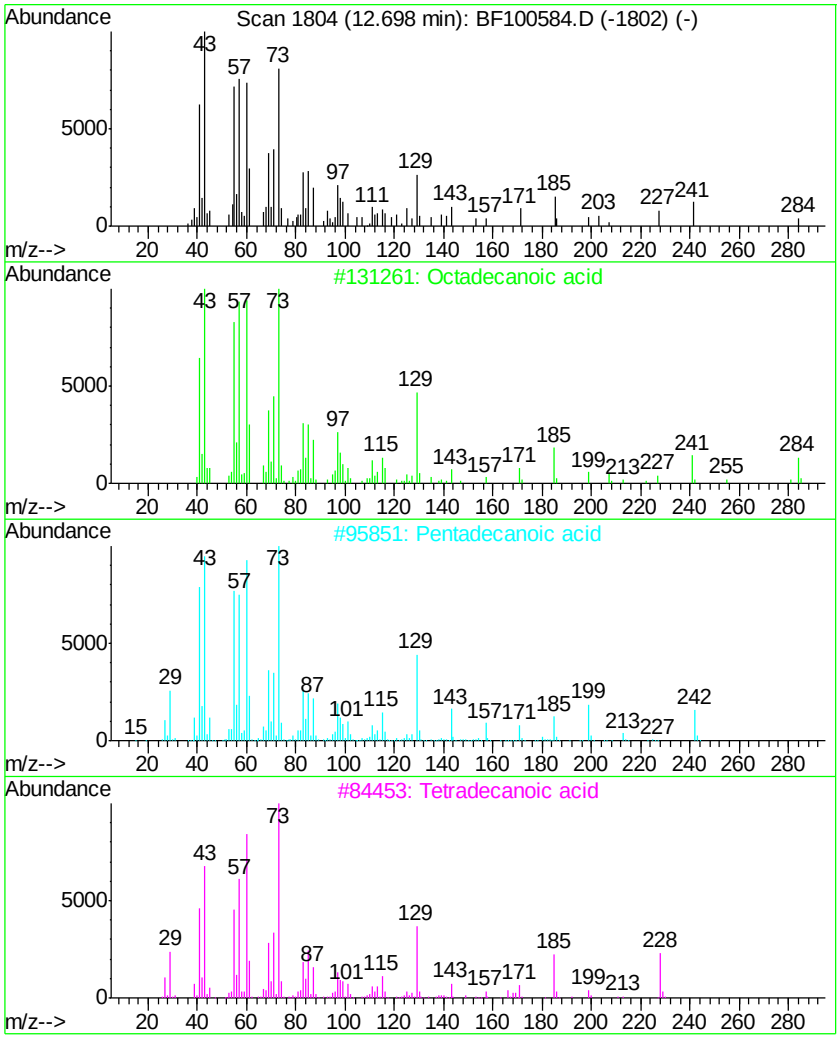
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

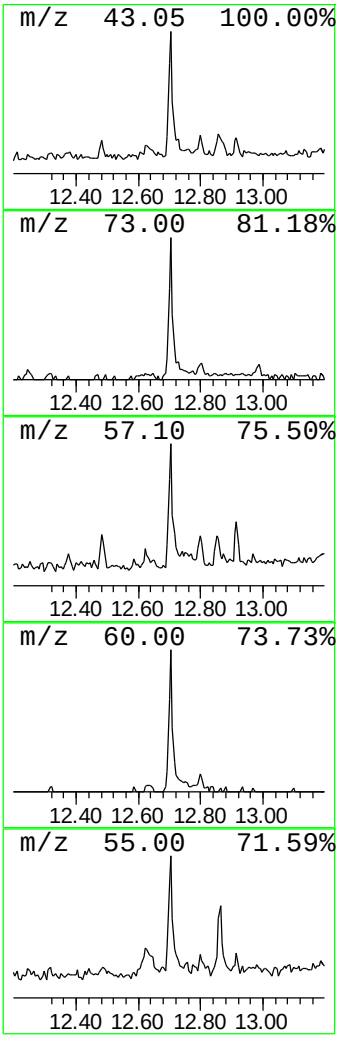
**********

Peak Number 8 Octadecanoic acid Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.70 | 2.63 ng | 136118 | Phenanthrene-d10 | 11.40 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 96 |
| 2 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 90 |
| 3 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 87 |
| 4 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 74 |
| 5 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 74 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111517\
Data File : BF100584.D
Acq On : 15 Nov 2017 13:29
Operator : SJ/JU
Sample : I6436-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 153RD-63RD-ST-DRUM

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

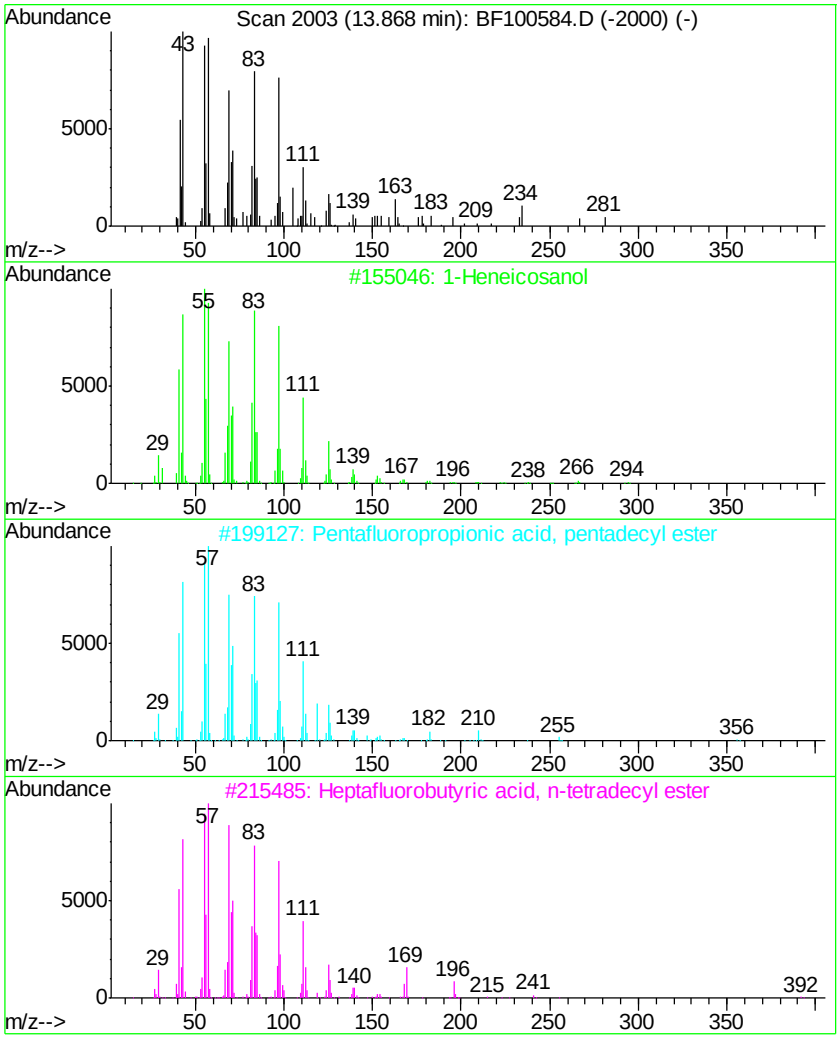
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

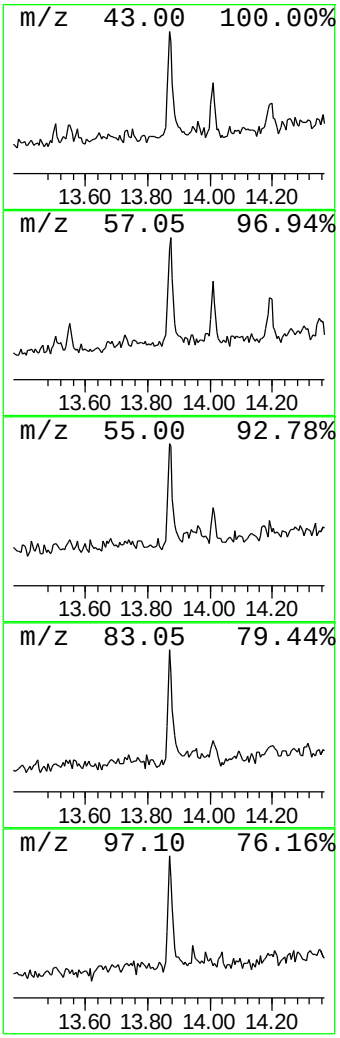
**********

Peak Number 9 1-Heneicosanol Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.87 | 2.08 ng | 86750 | Chrysene-d12 | 14.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 93 |
| 2 | Pentafluoropropionic acid, penta... | 374 | C18H31F5O2 | 959092-08-1 | 93 |
| 3 | Heptafluorobutyric acid, n-tetra... | 410 | C18H29F7O2 | 007365-36-8 | 93 |
| 4 | Heptafluorobutyric acid, pentade... | 424 | C19H31F7O2 | 959261-23-5 | 93 |
| 5 | Trifluoroacetic acid, pentadecyl... | 324 | C17H31F3O2 | 959010-23-2 | 93 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111517\
Data File : BF100584.D
Acq On : 15 Nov 2017 13:29
Operator : SJ/JU
Sample : I6436-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 153RD-63RD-ST-DRUM

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

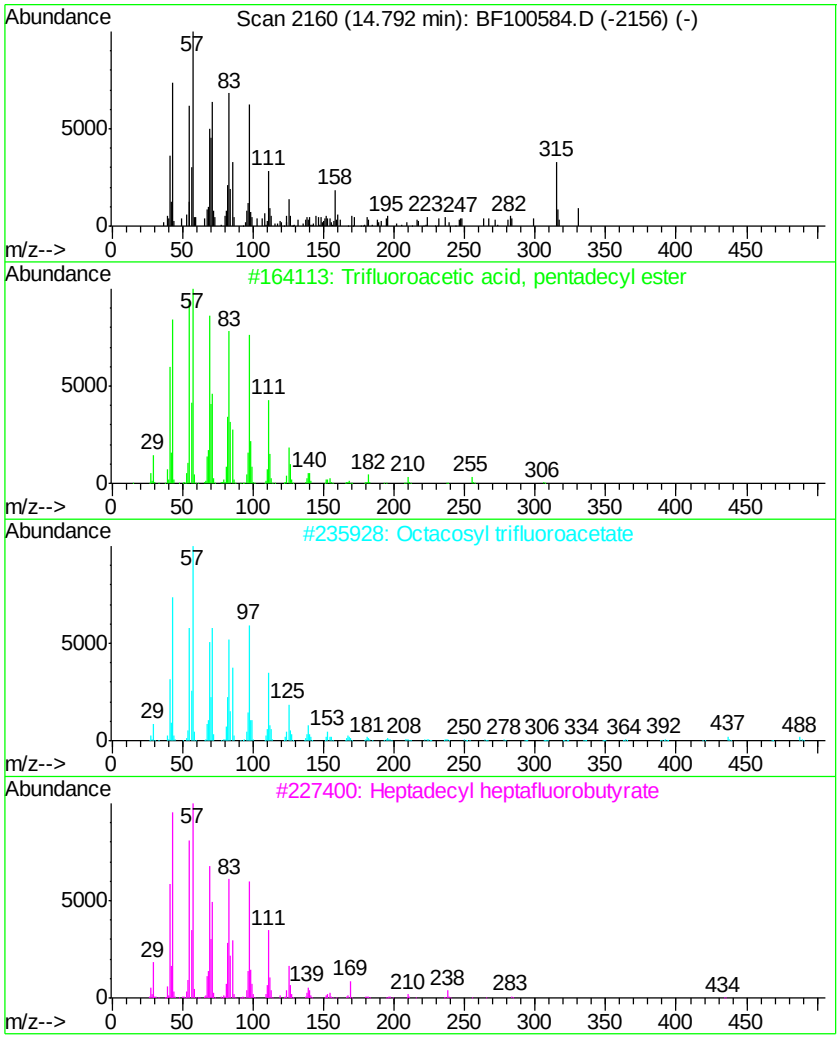
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

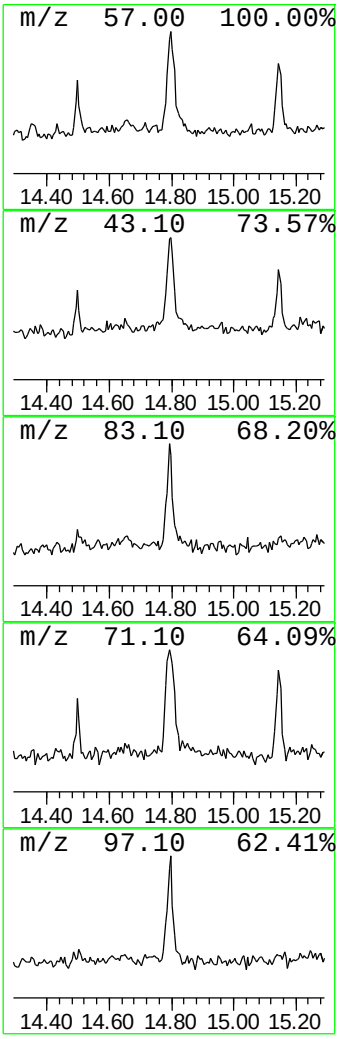
**********

Peak Number 10 Trifluoroacetic acid, penta... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.79 | 2.84 ng | 140992 | Perylene-d12 | 15.52 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Trifluoroacetic acid, pentadecyl... | 324 | C17H31F3O2 | 959010-23-2 | 64 |
| 2 | Octacosyl trifluoroacetate | 506 | C30H57F3O2 | 1000351-74-9 | 64 |
| 3 | Heptadecyl heptafluorobutyrate | 452 | C21H35F7O2 | 959085-66-6 | 62 |
| 4 | 1-Tricosene | 322 | C23H46 | 018835-32-0 | 62 |
| 5 | Tetradecyl trifluoroacetate | 310 | C16H29F3O2 | 006222-02-2 | 52 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111517\
Data File : BF100584.D
Acq On : 15 Nov 2017 13:29
Operator : SJ/JU
Sample : I6436-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 153RD-63RD-ST-DRUM

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

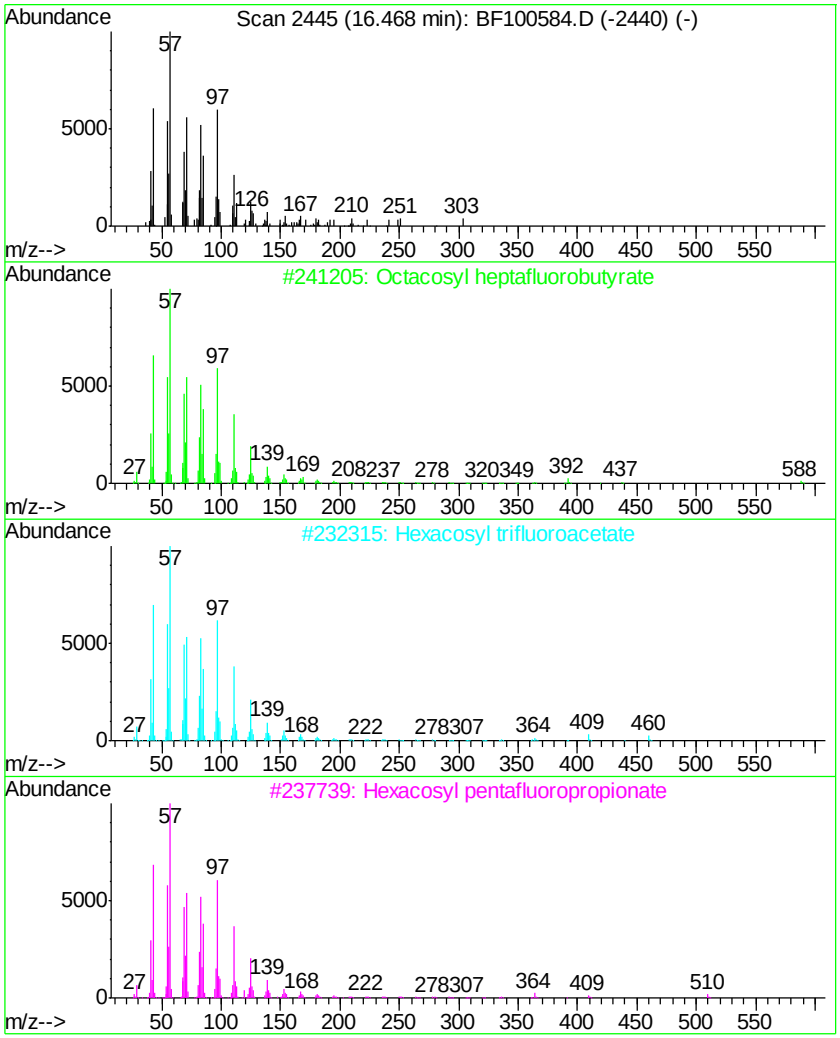
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

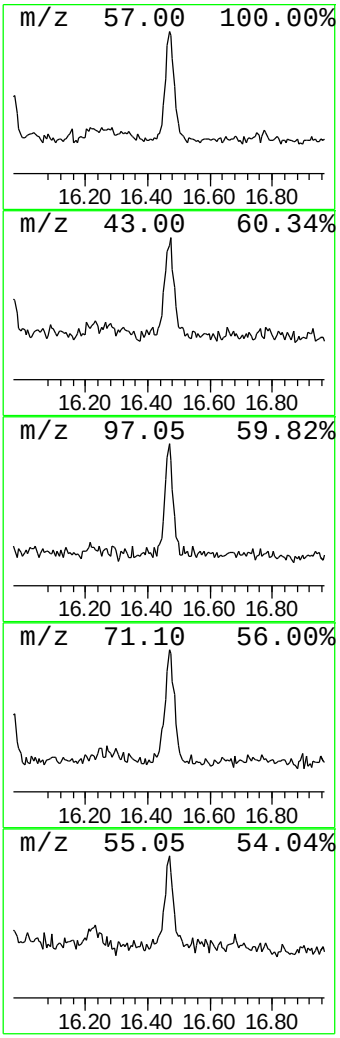
**********

Peak Number 11 Octacosyl heptafluorobutyrate Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.47 | 3.74 ng | 185847 | Perylene-d12 | 15.52 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octacosyl heptafluorobutyrate | 606 | C32H57F7O2 | 1000351-83-6 | 90 |
| 2 | Hexacosyl trifluoroacetate | 478 | C28H53F3O2 | 1000351-75-0 | 87 |
| 3 | Hexacosyl pentafluoropropionate | 528 | C29H53F5O2 | 1000351-81-2 | 87 |
| 4 | Octacosyl trifluoroacetate | 506 | C30H57F3O2 | 1000351-74-9 | 87 |
| 5 | Heptacosyl pentafluoropropionate | 542 | C30H55F5O2 | 1000351-81-6 | 87 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111517\
Data File : BF100584.D
Acq On : 15 Nov 2017 13:29
Operator : SJ/JU
Sample : I6436-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
153RD-63RD-ST-DRUM

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

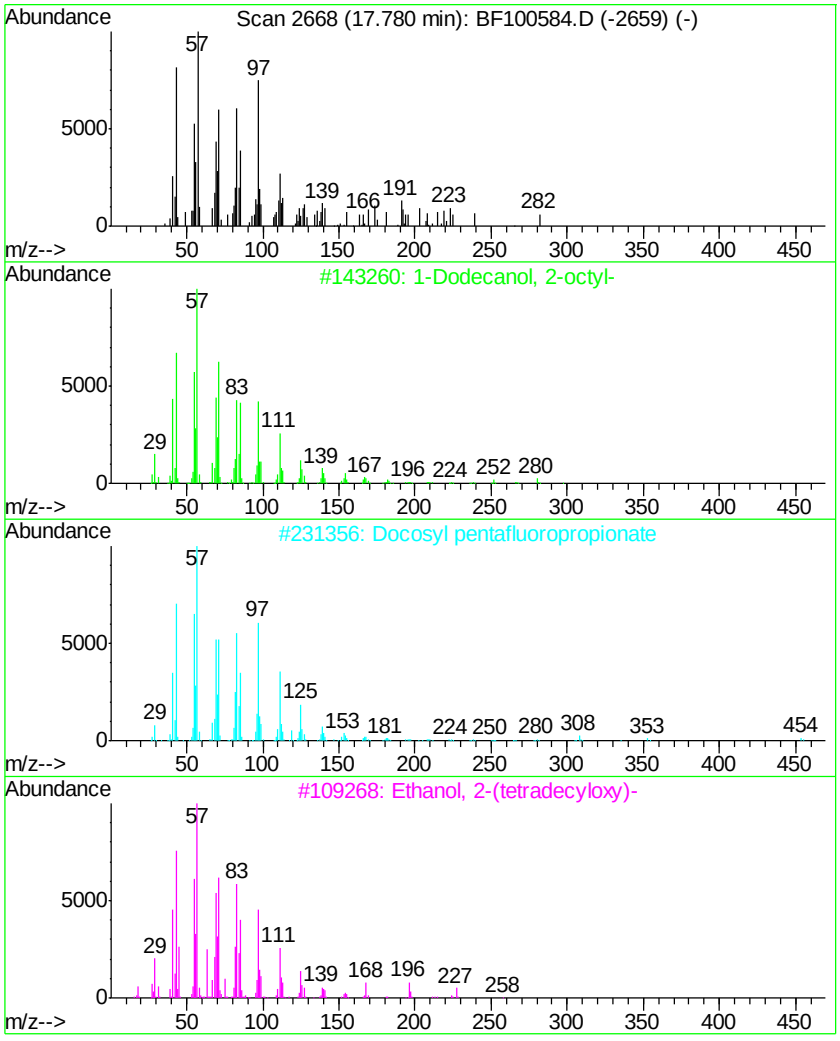
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

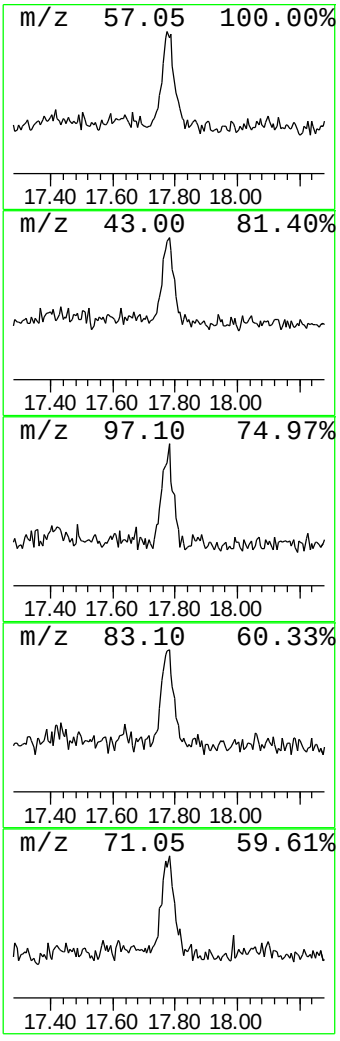
**********

Peak Number 12 1-Dodecanol, 2-octyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.78 | 3.07 ng | 152366 | Perylene-d12 | 15.52 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Dodecanol, 2-octyl- | 298 | C20H42O | 005333-42-6 | 64 |
| 2 | Docosyl pentafluoropropionate | 472 | C25H45F5O2 | 1000351-80-9 | 64 |
| 3 | Ethanol, 2-(tetradecyloxy)- | 258 | C16H34O2 | 002136-70-1 | 58 |
| 4 | Dichloroacetic acid, heptadecyl ... | 366 | C19H36Cl2O2 | 1000282-98-2 | 53 |
| 5 | 1-Decanol, 2-octyl- | 270 | C18H38O | 045235-48-1 | 52 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111517\
Data File : BF100584.D
Acq On : 15 Nov 2017 13:29
Operator : SJ/JU
Sample : I6436-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 153RD-63RD-ST-DRUM

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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 |
| 2-Pentanone, 4-hy... | 5.11 | 14.0 | ng | 559347 | 1 | 6.88 | 800537 | 20.0 |
| unknown6.66 | 6.66 | 68.4 | ng | 2738180 | 1 | 6.88 | 800537 | 20.0 |
| 2-Hydroxy-iso-but... | 8.72 | 2.2 | ng | 114266 | 2 | 8.16 | 1053370 | 20.0 |
| Cyclooctane, 1,2-... | 9.72 | 2.8 | ng | 159478 | 3 | 9.92 | 1122390 | 20.0 |
| Benzophenone | 10.63 | 7.4 | ng | 413841 | 3 | 9.92 | 1122390 | 20.0 |
| n-Hexadecanoic acid | 11.92 | 5.0 | ng | 260498 | 4 | 11.40 | 1033260 | 20.0 |
| Octadecanoic acid | 12.70 | 2.6 | ng | 136118 | 4 | 11.40 | 1033260 | 20.0 |
| 1-Heneicosanol | 13.87 | 2.1 | ng | 86750 | 5 | 14.04 | 834290 | 20.0 |
| Trifluoroacetic a... | 14.79 | 2.8 | ng | 140992 | 6 | 15.52 | 992634 | 20.0 |
| Octacosyl heptafl... | 16.47 | 3.7 | ng | 185847 | 6 | 15.52 | 992634 | 20.0 |
| 1-Dodecanol, 2-oc... | 17.78 | 3.1 | ng | 152366 | 6 | 15.52 | 992634 | 20.0 |