LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
Data File : BF098967.D
Acq On : 30 Sep 2017 17:19
Operator : SJ/JU
Sample : I5511-01 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EO-01-092817

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-BF092317.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 | 5.522 | 580 | 584 | 592 | rBV | 338238 | 299794 | 2.55% | 0.743% |
| 2 | 6.528 | 751 | 755 | 759 | rVB | 362077 | 299302 | 2.55% | 0.742% |
| 3 | 6.675 | 777 | 780 | 784 | rVB | 367017 | 328789 | 2.80% | 0.815% |
| 4 | 6.916 | 817 | 821 | 824 | rVB | 991399 | 860010 | 7.31% | 2.131% |
| 5 | 7.069 | 842 | 847 | 850 | rBV | 321951 | 286188 | 2.43% | 0.709% |
| 6 | 7.469 | 912 | 915 | 918 | rVV | 236078 | 230056 | 1.96% | 0.570% |
| 7 | 7.498 | 918 | 920 | 924 | rVB | 206334 | 190824 | 1.62% | 0.473% |
| 8 | 8.169 | 1030 | 1034 | 1036 | rVV | 352825 | 360376 | 3.06% | 0.893% |
| 9 | 8.198 | 1036 | 1039 | 1041 | rVV | 1360162 | 1164570 | 9.90% | 2.886% |
| 10 | 8.245 | 1044 | 1047 | 1050 | rVB2 | 168495 | 165610 | 1.41% | 0.410% |
| 11 | 8.481 | 1083 | 1087 | 1091 | rBV5 | 147189 | 167620 | 1.43% | 0.415% |
| 12 | 8.604 | 1105 | 1108 | 1111 | rVB2 | 144699 | 124363 | 1.06% | 0.308% |
| 13 | 8.698 | 1120 | 1124 | 1126 | rBV | 201877 | 164373 | 1.40% | 0.407% |
| 14 | 8.781 | 1132 | 1138 | 1142 | rBV | 388873 | 397423 | 3.38% | 0.985% |
| 15 | 9.016 | 1175 | 1178 | 1180 | rBV2 | 157958 | 124964 | 1.06% | 0.310% |
| 16 | 9.139 | 1196 | 1199 | 1204 | rBV3 | 127883 | 154239 | 1.31% | 0.382% |
| 17 | 9.210 | 1208 | 1211 | 1213 | rVV | 164660 | 147918 | 1.26% | 0.367% |
| 18 | 9.269 | 1217 | 1221 | 1225 | rVB | 448632 | 399775 | 3.40% | 0.991% |
| 19 | 9.345 | 1230 | 1234 | 1237 | rBV | 507604 | 461353 | 3.92% | 1.143% |
| 20 | 9.422 | 1244 | 1247 | 1249 | rVB | 133527 | 120366 | 1.02% | 0.298% |
| 21 | 9.528 | 1262 | 1265 | 1271 | rVB5 | 118007 | 132743 | 1.13% | 0.329% |
| 22 | 9.604 | 1271 | 1278 | 1279 | rBV5 | 102341 | 187394 | 1.59% | 0.464% |
| 23 | 9.663 | 1284 | 1288 | 1290 | rVV3 | 255154 | 301339 | 2.56% | 0.747% |
| 24 | 9.875 | 1321 | 1324 | 1328 | rVB | 585114 | 471844 | 4.01% | 1.169% |
| 25 | 9.951 | 1332 | 1337 | 1341 | rVB | 1126925 | 1087976 | 9.25% | 2.696% |
| 26 | 10.192 | 1375 | 1378 | 1383 | rBV3 | 158421 | 208867 | 1.78% | 0.518% |
| 27 | 10.375 | 1404 | 1409 | 1411 | rBV | 616768 | 549523 | 4.67% | 1.362% |
| 28 | 10.498 | 1424 | 1430 | 1433 | rBV6 | 60205 | 137960 | 1.17% | 0.342% |
| 29 | 10.592 | 1441 | 1446 | 1448 | rBV | 239791 | 289791 | 2.46% | 0.718% |
| 30 | 10.845 | 1486 | 1489 | 1494 | rBV | 696031 | 733262 | 6.24% | 1.817% |
| 31 | 11.292 | 1562 | 1565 | 1568 | rBV | 607028 | 482339 | 4.10% | 1.195% |
| 32 | 11.322 | 1568 | 1570 | 1577 | rVB | 228625 | 250123 | 2.13% | 0.620% |
| 33 | 11.439 | 1586 | 1590 | 1593 | rBV | 987117 | 879336 | 7.48% | 2.179% |
| 34 | 11.722 | 1635 | 1638 | 1640 | rBV | 426787 | 357805 | 3.04% | 0.887% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
Data File : BF098967.D
Acq On : 30 Sep 2017 17:19
Operator : SJ/JU
Sample : I5511-01 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EO-01-092817

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-BF092317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 11.828 | 1651 | 1656 | 1659 | rBV | 5060237 | 5187178 | 44.12% | 12.854% |
| 36 | 11.957 | 1675 | 1678 | 1685 | rVB5 | 89563 | 136347 | 1.16% | 0.338% |
| 37 | 12.127 | 1704 | 1707 | 1716 | rVB | 361872 | 368660 | 3.14% | 0.914% |
| 38 | 12.527 | 1767 | 1775 | 1777 | rBV2 | 5398891 | 11758279 | 100.00% | 29.138% |
| 39 | 12.616 | 1787 | 1790 | 1794 | rVB | 2929864 | 2635730 | 22.42% | 6.532% |
| 40 | 12.663 | 1794 | 1798 | 1799 | rBV2 | 541131 | 697527 | 5.93% | 1.729% |
| 41 | 12.680 | 1799 | 1801 | 1807 | rVV | 1041287 | 1142124 | 9.71% | 2.830% |
| 42 | 12.851 | 1827 | 1830 | 1833 | rBV | 265371 | 233243 | 1.98% | 0.578% |
| 43 | 12.886 | 1833 | 1836 | 1839 | rBV | 307519 | 267184 | 2.27% | 0.662% |
| 44 | 13.022 | 1856 | 1859 | 1862 | rVV | 307697 | 294526 | 2.50% | 0.730% |
| 45 | 13.210 | 1887 | 1891 | 1894 | rVB2 | 206727 | 304933 | 2.59% | 0.756% |
| 46 | 13.245 | 1894 | 1897 | 1898 | rBV | 175844 | 149471 | 1.27% | 0.370% |
| 47 | 13.263 | 1898 | 1900 | 1906 | rVB2 | 270701 | 266752 | 2.27% | 0.661% |
| 48 | 13.339 | 1910 | 1913 | 1916 | rBV | 340234 | 269681 | 2.29% | 0.668% |
| 49 | 13.769 | 1982 | 1986 | 1992 | rVB2 | 194479 | 292163 | 2.48% | 0.724% |
| 50 | 14.004 | 2023 | 2026 | 2029 | rBV | 355819 | 306345 | 2.61% | 0.759% |
| 51 | 14.080 | 2035 | 2039 | 2042 | rBV | 862838 | 845335 | 7.19% | 2.095% |
| 52 | 14.521 | 2111 | 2114 | 2123 | rVB5 | 253334 | 468867 | 3.99% | 1.162% |
| 53 | 14.968 | 2186 | 2190 | 2202 | rVB | 912016 | 1538208 | 13.08% | 3.812% |
| 54 | 15.574 | 2289 | 2293 | 2298 | rBV2 | 511514 | 672801 | 5.72% | 1.667% |

Sum of corrected areas: 40353569

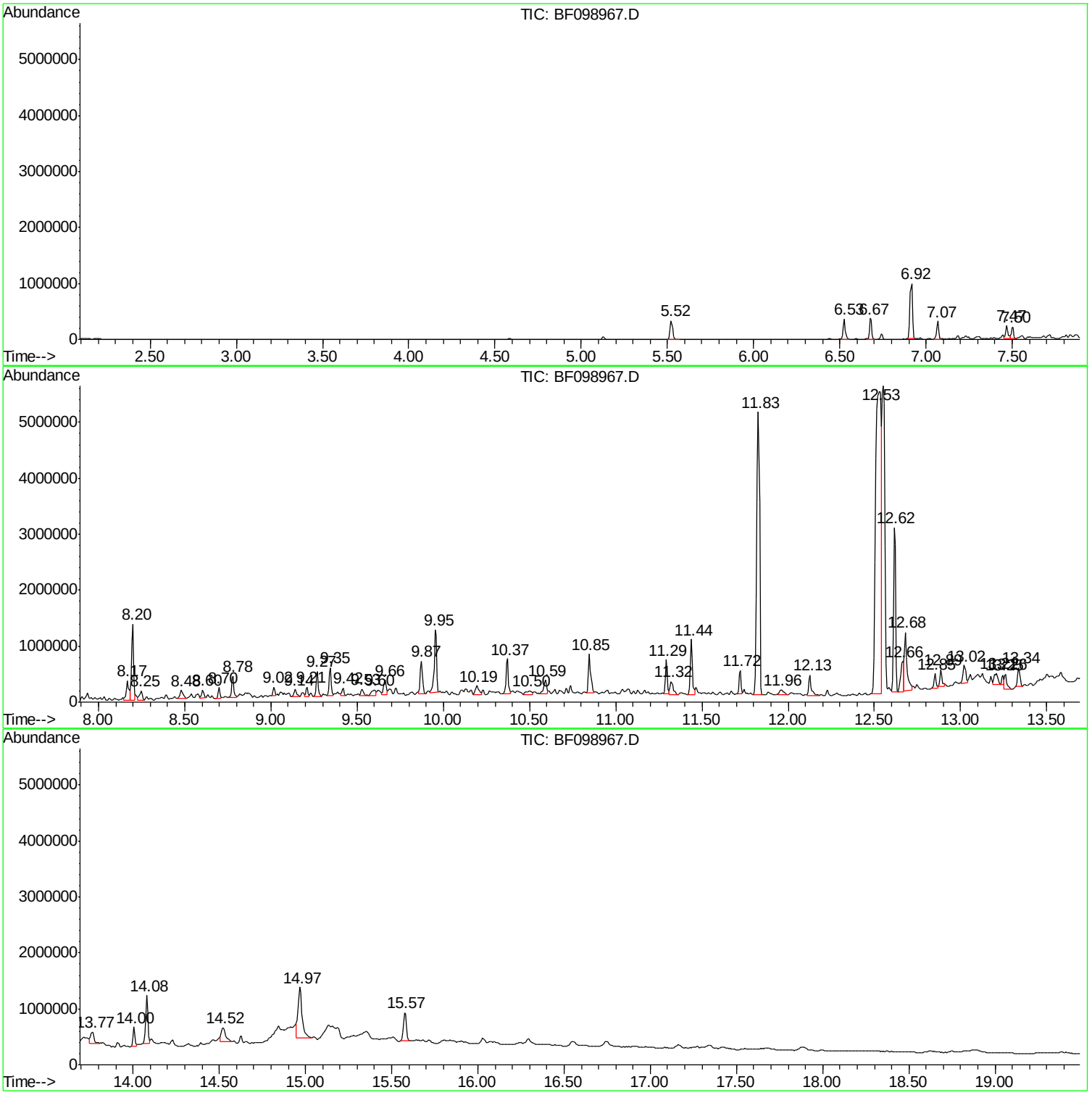
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
Data File : BF098967.D
Acq On : 30 Sep 2017 17:19
Operator : SJ/JU
Sample : I5511-01 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EO-01-092817

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
Data File : BF098967.D
Acq On : 30 Sep 2017 17:19
Operator : SJ/JU
Sample : I5511-01 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EO-01-092817

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

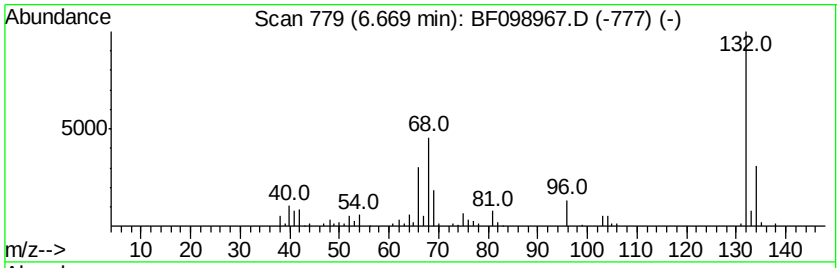
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

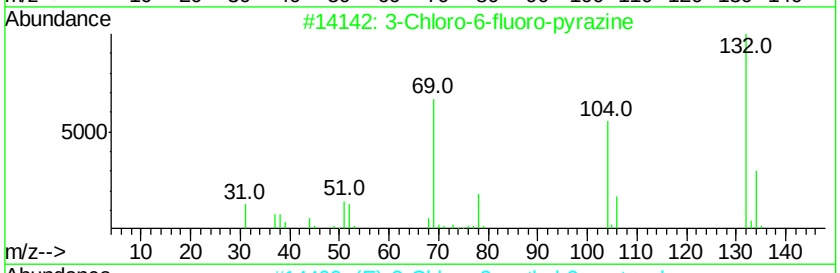
**********

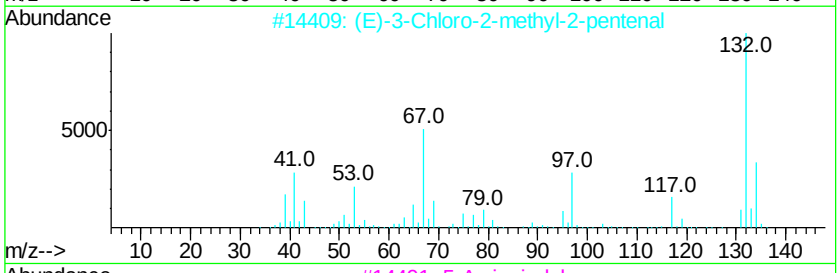
Peak Number 1 unknown6.67 Concentration Rank 12

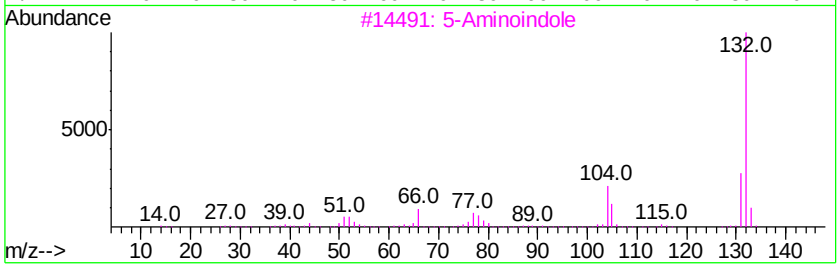
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.67 | 7.65 ng | 328789 | 1,4-Dichlorobenzene-d4 | 6.92 |

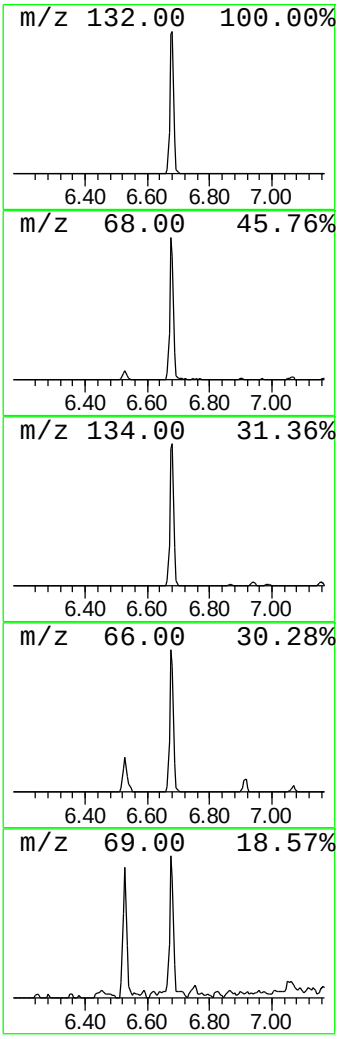
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 17 |
| 3 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 10 |
| 4 | Amphetaminil | 250 | C17H18N2 | 017590-01-1 | 10 |
| 5 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
Data File : BF098967.D
Acq On : 30 Sep 2017 17:19
Operator : SJ/JU
Sample : I5511-01 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EO-01-092817

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

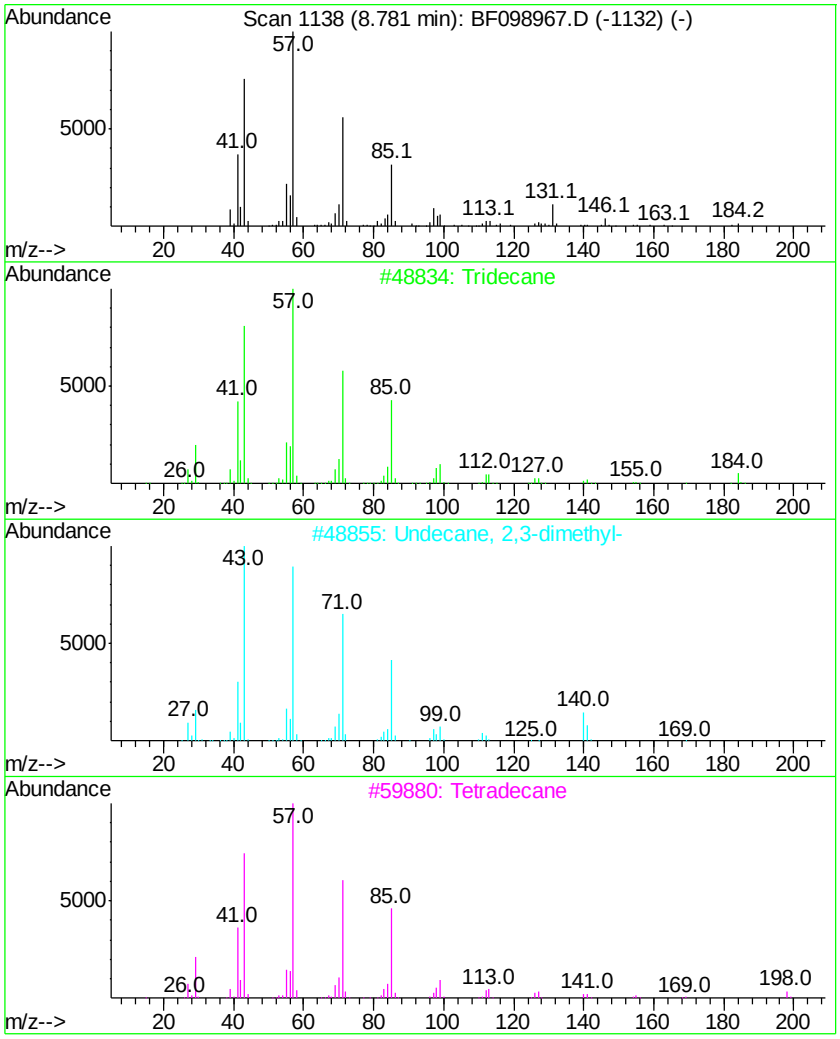
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

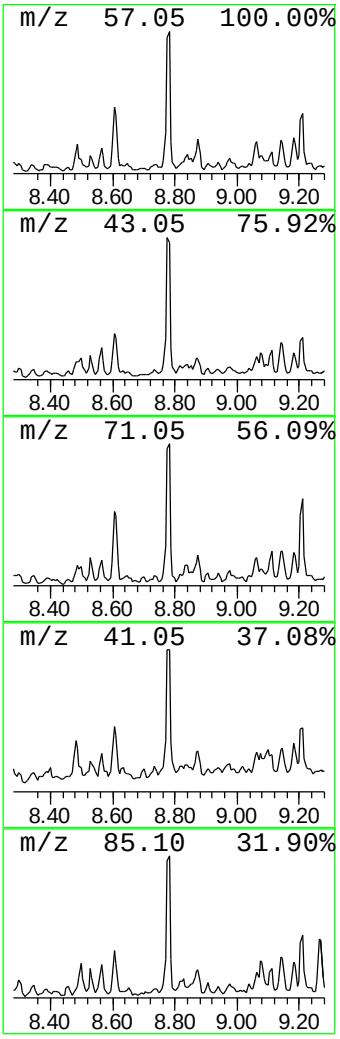
**********

Peak Number 3 Tridecane Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.78 | 6.83 ng | 397423 | Naphthalene-d8 | 8.20 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane | 184 | C13H28 | 000629-50-5 | 95 |
| 2 | Undecane, 2,3-dimethyl- | 184 | C13H28 | 017312-77-5 | 80 |
| 3 | Tetradecane | 198 | C14H30 | 000629-59-4 | 64 |
| 4 | Hexadecane | 226 | C16H34 | 000544-76-3 | 64 |
| 5 | Pentadecane | 212 | C15H32 | 000629-62-9 | 64 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
Data File : BF098967.D
Acq On : 30 Sep 2017 17:19
Operator : SJ/JU
Sample : I5511-01 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EO-01-092817

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

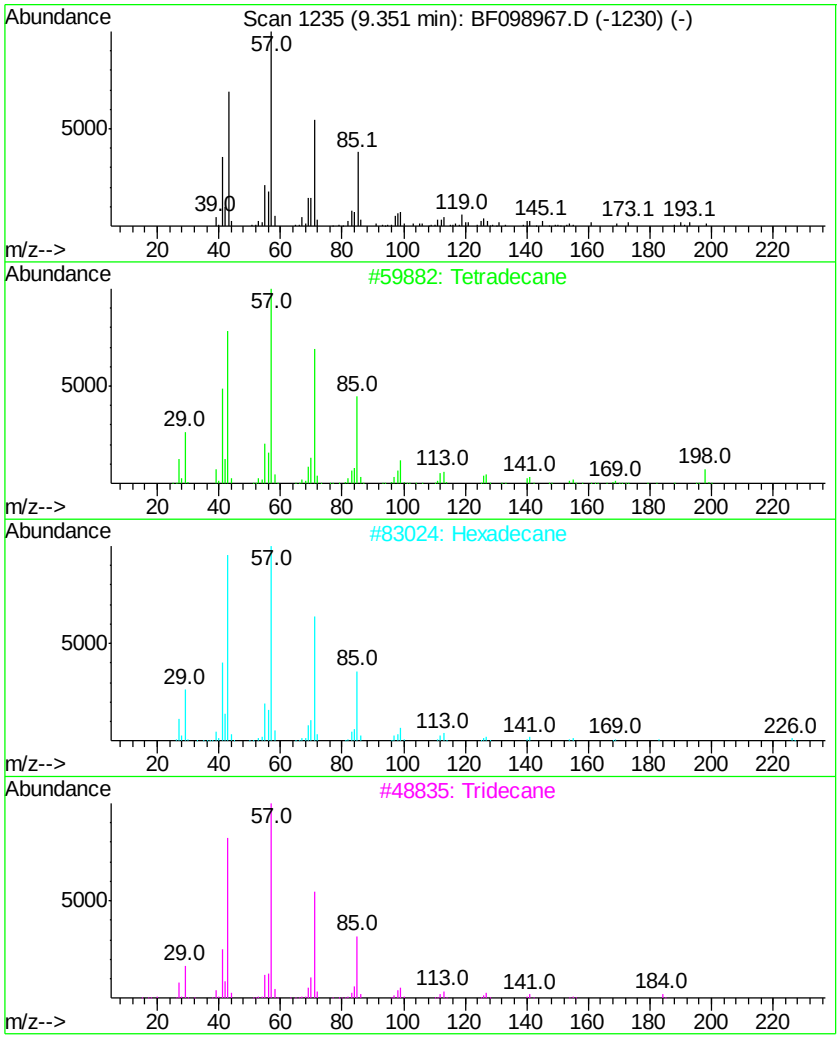
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

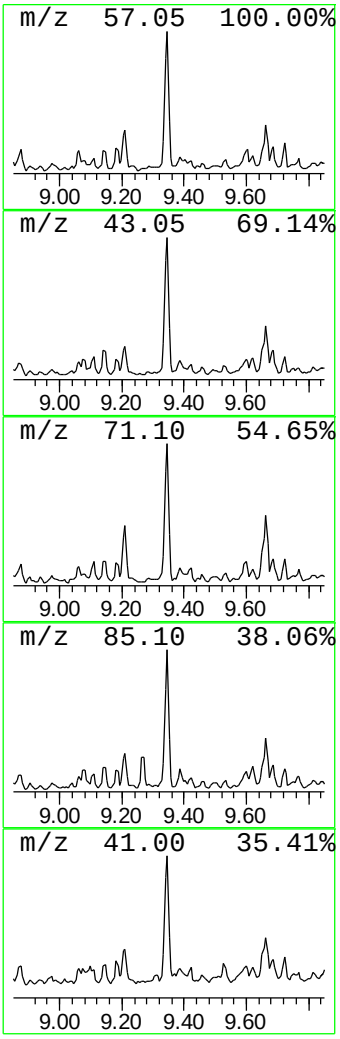
**********

Peak Number 4 Tetradecane Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.35 | 8.48 ng | 461353 | Acenaphthene-d10 | 9.95 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetradecane | 198 | C14H30 | 000629-59-4 | 95 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 86 |
| 3 | Tridecane | 184 | C13H28 | 000629-50-5 | 86 |
| 4 | Tridecane, 6-methyl- | 198 | C14H30 | 013287-21-3 | 76 |
| 5 | Decane, 2,3,6-trimethyl- | 184 | C13H28 | 062238-12-4 | 64 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
Data File : BF098967.D
Acq On : 30 Sep 2017 17:19
Operator : SJ/JU
Sample : I5511-01 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EO-01-092817

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

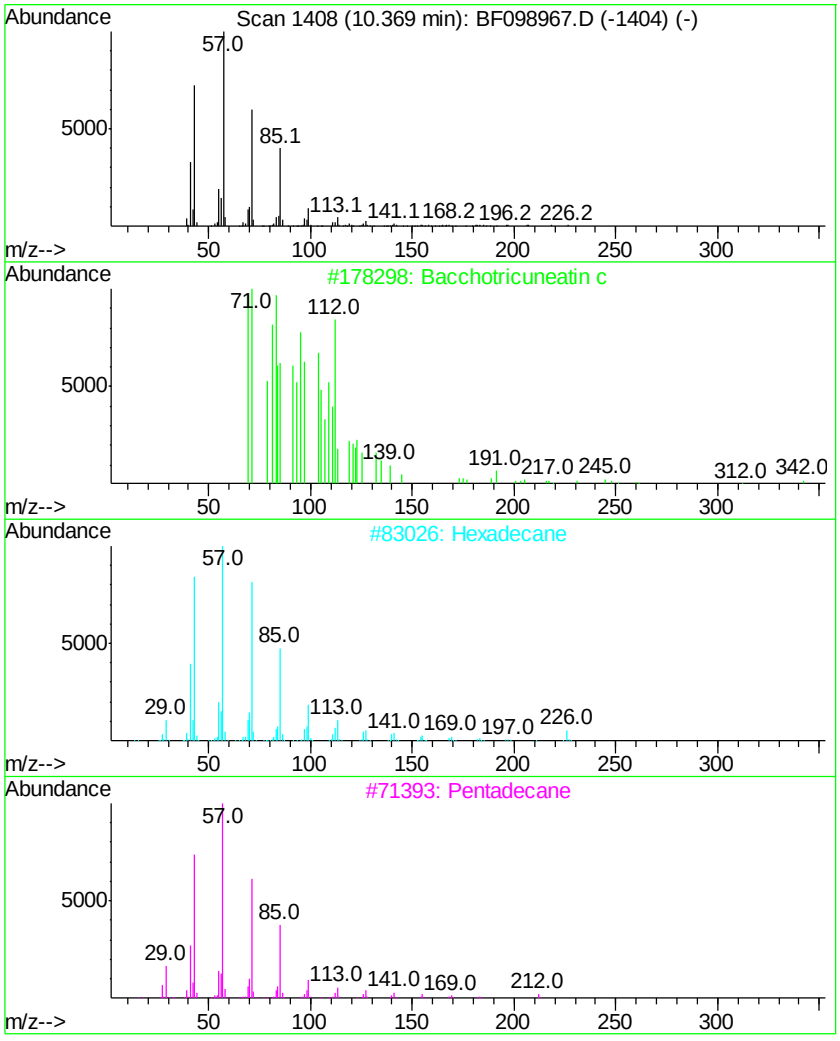
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

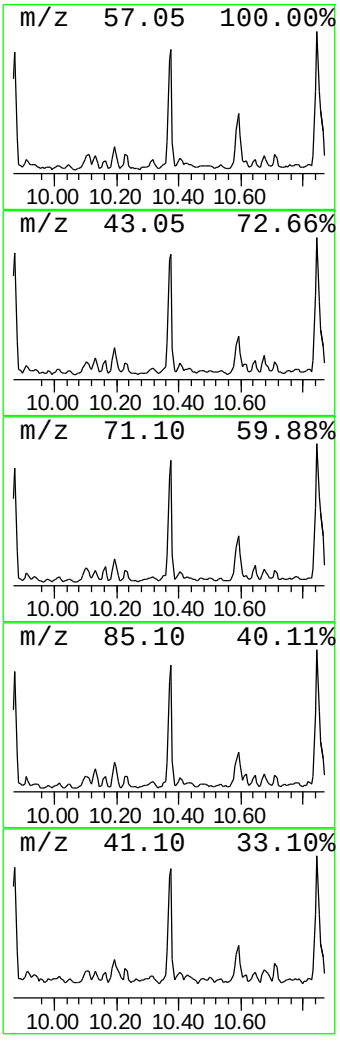
**********

Peak Number 6 Bacchotricuneatin c Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.37 | 10.10 ng | 549523 | Acenaphthene-d10 | 9.95 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Bacchotricuneatin c | 342 | C20H22O5 | 066563-30-2 | 96 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 94 |
| 3 | Pentadecane | 212 | C15H32 | 000629-62-9 | 90 |
| 4 | Pentadecane, 7-methyl- | 226 | C16H34 | 006165-40-8 | 87 |
| 5 | Tetradecane | 198 | C14H30 | 000629-59-4 | 86 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
Data File : BF098967.D
Acq On : 30 Sep 2017 17:19
Operator : SJ/JU
Sample : I5511-01 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EO-01-092817

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

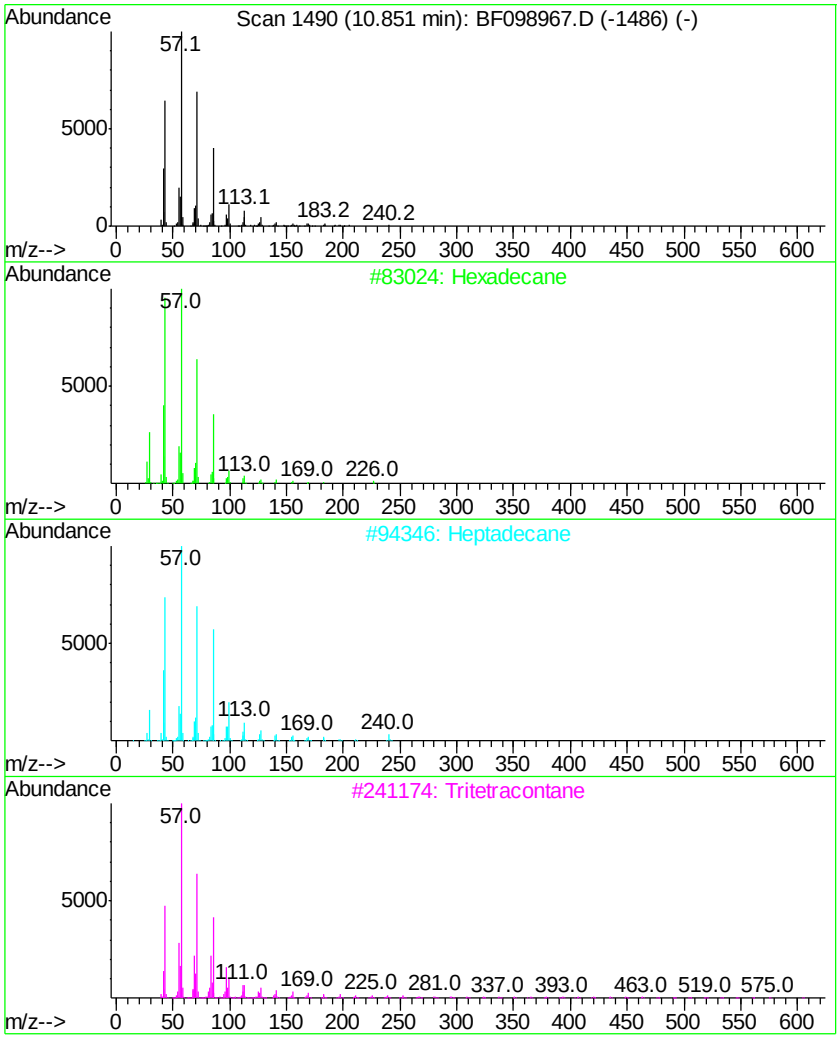
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

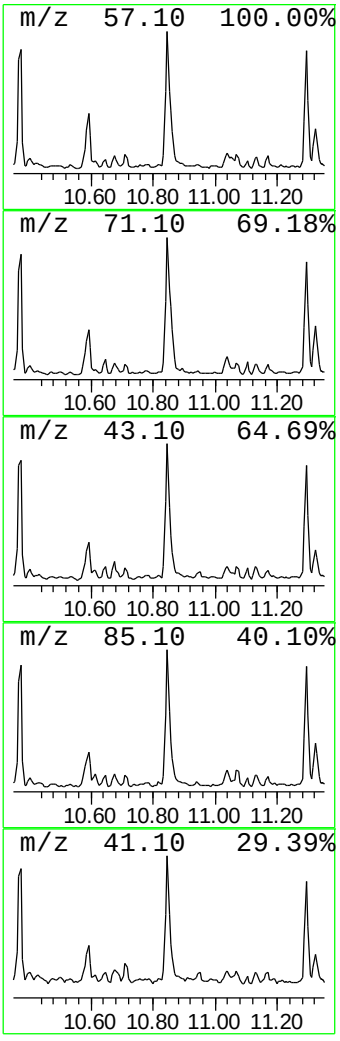
**********

Peak Number 7 Hexadecane Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.85 | 16.68 ng | 733262 | Phenanthrene-d10 | 11.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 90 |
| 2 | Heptadecane | 240 | C17H36 | 000629-78-7 | 90 |
| 3 | Tritetracontane | 605 | C43H88 | 007098-21-7 | 90 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |
| 5 | Dodecane, 2-methyl-6-propyl- | 226 | C16H34 | 055045-08-4 | 86 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
Data File : BF098967.D
Acq On : 30 Sep 2017 17:19
Operator : SJ/JU
Sample : I5511-01 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EO-01-092817

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

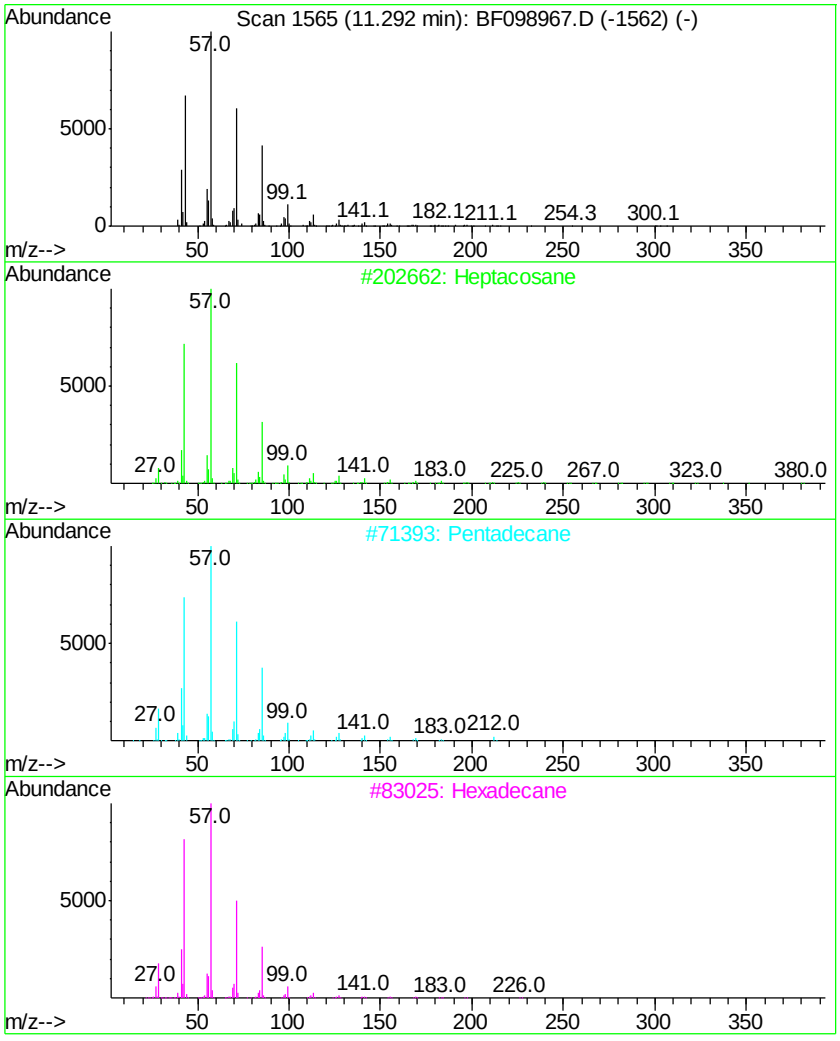
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

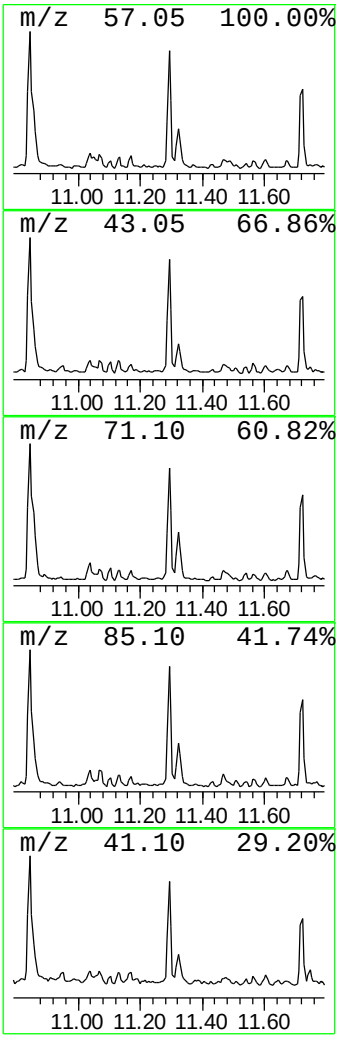
**********

Peak Number 8 Heptacosane Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.29 | 10.97 ng | 482339 | Phenanthrene-d10 | 11.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |
| 2 | Pentadecane | 212 | C15H32 | 000629-62-9 | 90 |
| 3 | Hexadecane | 226 | C16H34 | 000544-76-3 | 90 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |
| 5 | Heptadecane | 240 | C17H36 | 000629-78-7 | 90 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
Data File : BF098967.D
Acq On : 30 Sep 2017 17:19
Operator : SJ/JU
Sample : I5511-01 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EO-01-092817

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

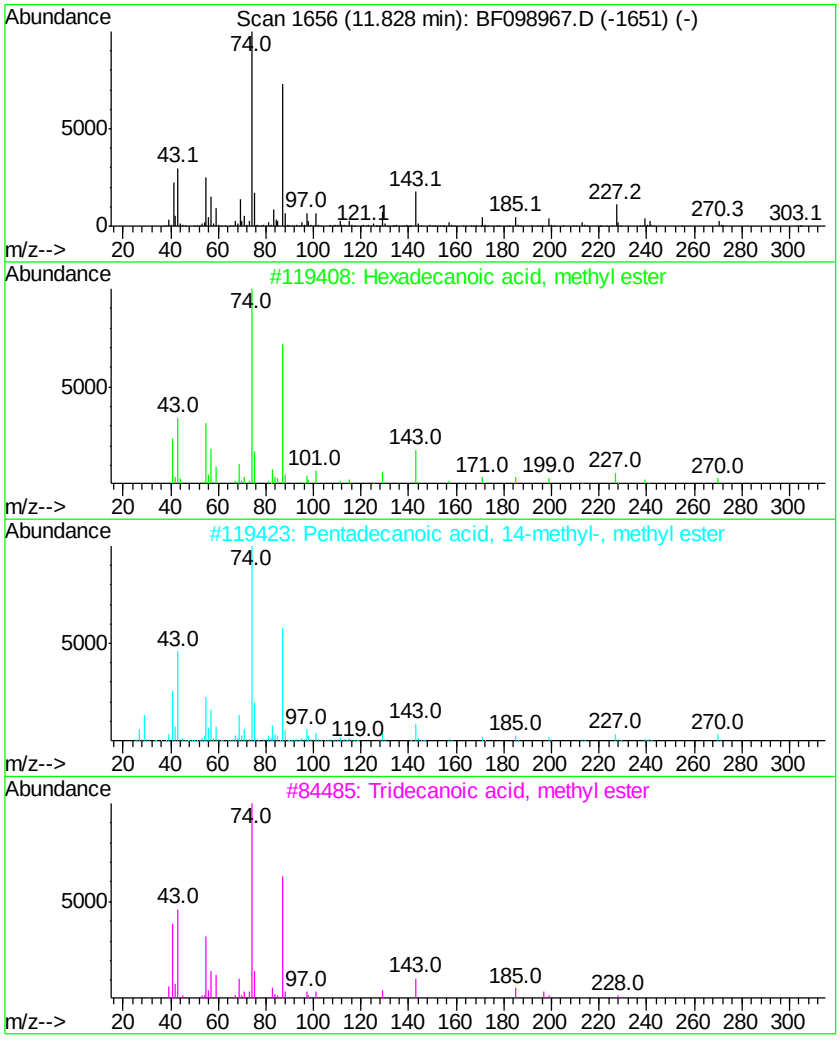
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

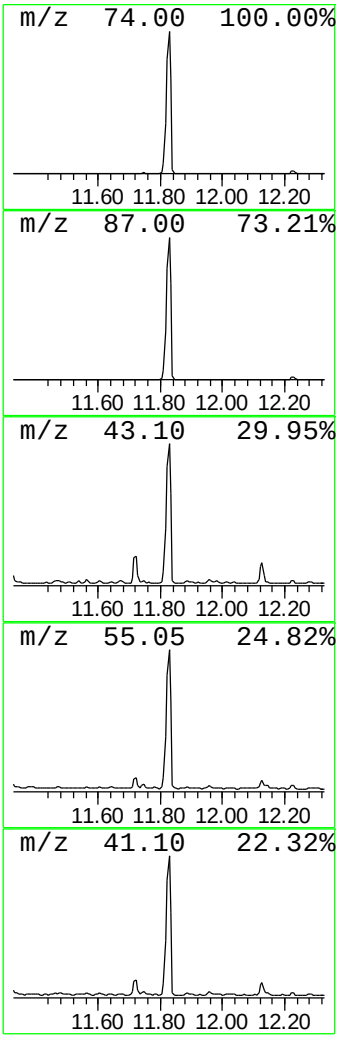
**********

Peak Number 11 Hexadecanoic acid, methyl e... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.83 | 117.98 ng | 5187180 | Phenanthrene-d10 | 11.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecanoic acid, methyl ester | 270 | C17H34O2 | 000112-39-0 | 98 |
| 2 | Pentadecanoic acid, 14-methyl-, ... | 270 | C17H34O2 | 005129-60-2 | 92 |
| 3 | Tridecanoic acid, methyl ester | 228 | C14H28O2 | 001731-88-0 | 90 |
| 4 | Decanoic acid, methyl ester | 186 | C11H22O2 | 000110-42-9 | 87 |
| 5 | Pentadecanoic acid, methyl ester | 256 | C16H32O2 | 007132-64-1 | 86 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
Data File : BF098967.D
Acq On : 30 Sep 2017 17:19
Operator : SJ/JU
Sample : I5511-01 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EO-01-092817

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

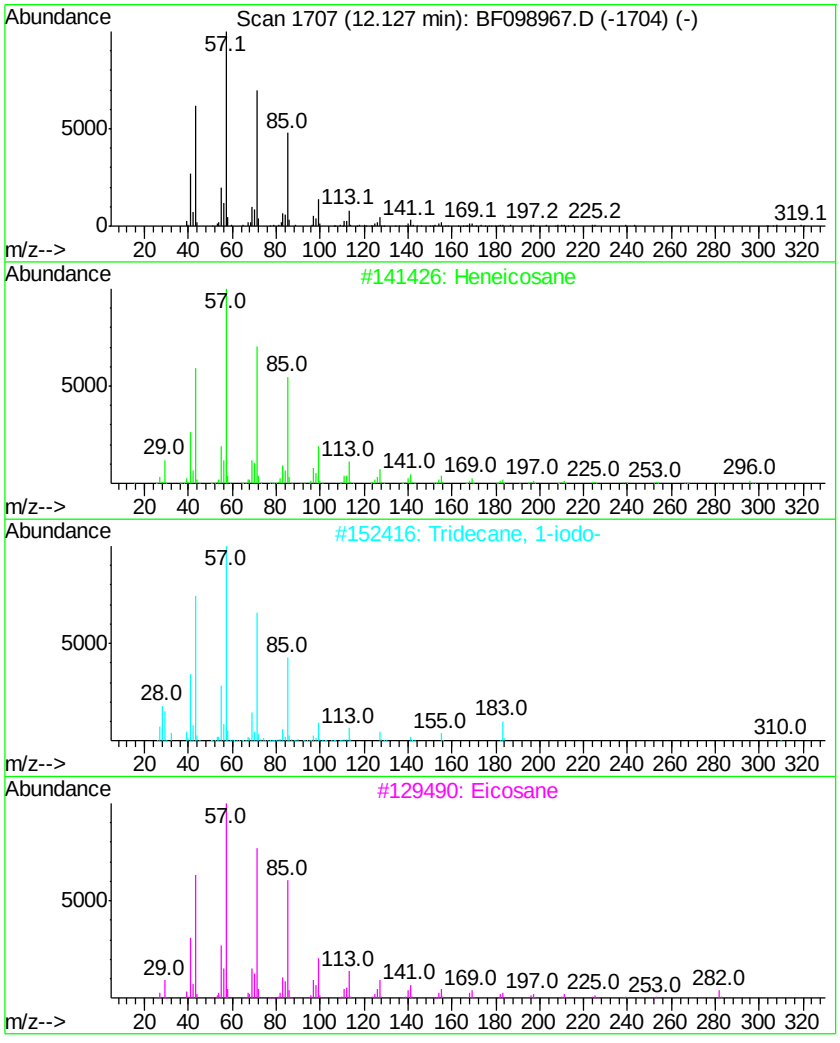
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

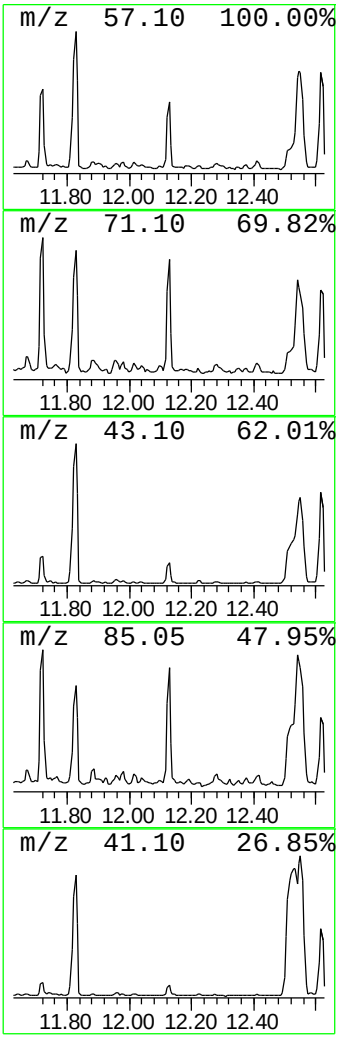
**********

Peak Number 12 Heneicosane Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.13 | 8.38 ng | 368660 | Phenanthrene-d10 | 11.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 2 | Tridecane, 1-iodo- | 310 | C13H27I | 035599-77-0 | 90 |
| 3 | Eicosane | 282 | C20H42 | 000112-95-8 | 90 |
| 4 | Nonadecane | 268 | C19H40 | 000629-92-5 | 90 |
| 5 | Hexadecane | 226 | C16H34 | 000544-76-3 | 90 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
Data File : BF098967.D
Acq On : 30 Sep 2017 17:19
Operator : SJ/JU
Sample : I5511-01 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EO-01-092817

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

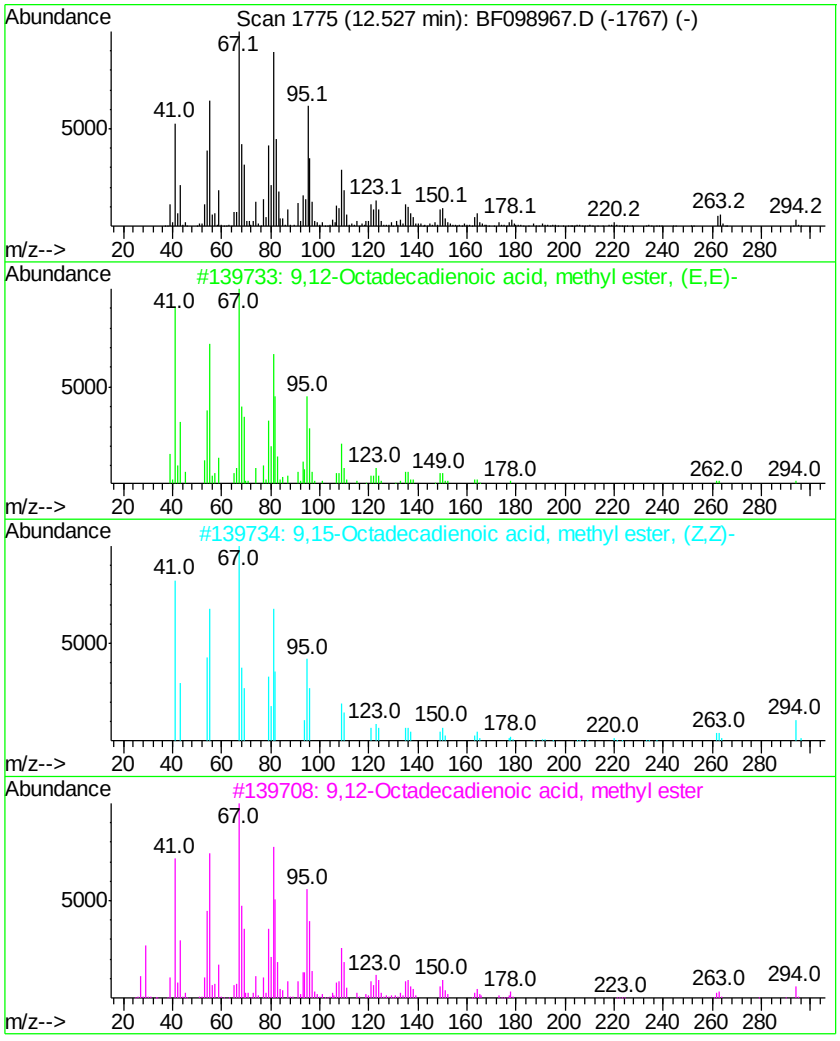
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

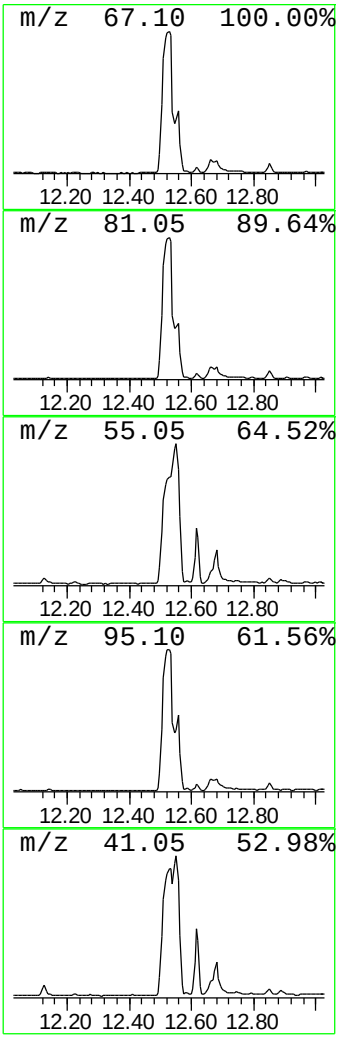
**********

Peak Number 13 9,12-Octadecadienoic acid, ... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.53 | 267.44 ng | 11758300 | Phenanthrene-d10 | 11.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2 | 002566-97-4 | 99 |
| 2 | 9,15-Octadecadienoic acid, methy... | 294 | C19H34O2 | 017309-05-6 | 99 |
| 3 | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2 | 002462-85-3 | 99 |
| 4 | 9,12-Octadecadienoic acid (Z,Z)-... | 294 | C19H34O2 | 000112-63-0 | 99 |
| 5 | 10,13-Octadecadienoic acid, meth... | 294 | C19H34O2 | 056554-62-2 | 98 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
Data File : BF098967.D
Acq On : 30 Sep 2017 17:19
Operator : SJ/JU
Sample : I5511-01 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EO-01-092817

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

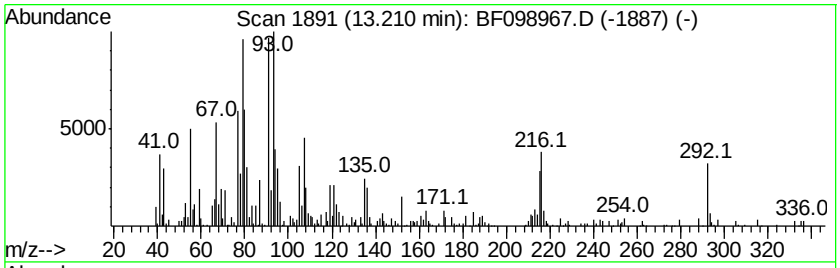
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

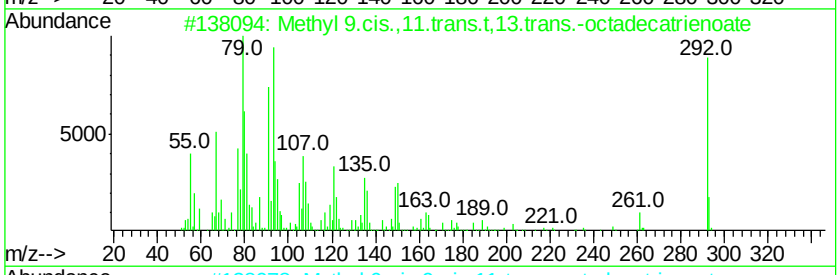
**********

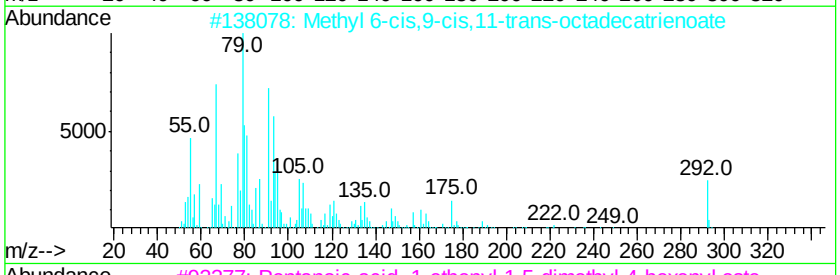
Peak Number 14 Methyl 9.cis.,11.trans.t,13... Concentration Rank 14

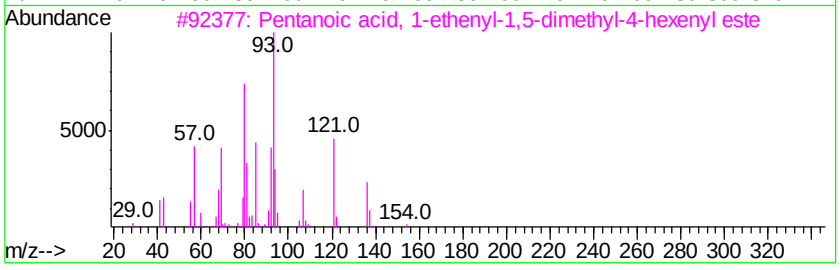
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.21 | 7.21 ng | 304933 | Chrysene-d12 | 14.08 |

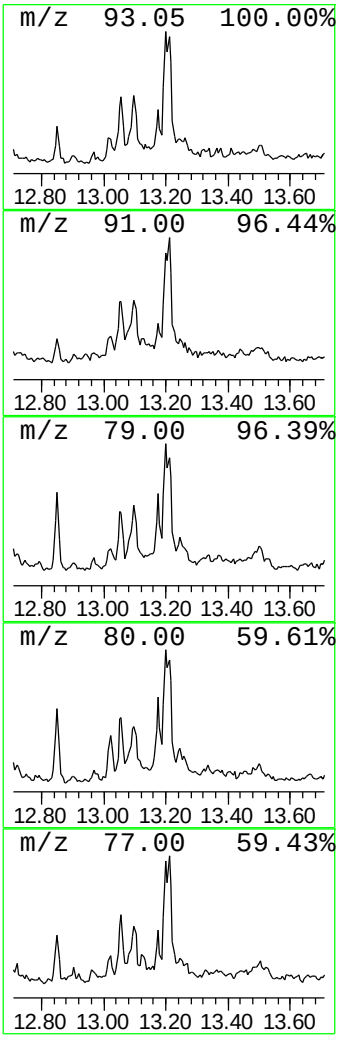
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methyl 9.cis.,11.trans.t,13.tran... | 292 | C19H32O2 | 1000336-42-6 | 89 |
| 2 | Methyl 6-cis,9-cis,11-trans-octa... | 292 | C19H32O2 | 1000336-37-7 | 83 |
| 3 | Pentanoic acid, 1-ethenyl-1,5-di... | 238 | C15H26O2 | 010471-96-2 | 43 |
| 4 | Bicyclo[3.1.1]heptane, 6,6-dimet... | 136 | C10H16 | 016022-04-1 | 43 |
| 5 | Camphene | 136 | C10H16 | 000079-92-5 | 38 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
Data File : BF098967.D
Acq On : 30 Sep 2017 17:19
Operator : SJ/JU
Sample : I5511-01 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EO-01-092817

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

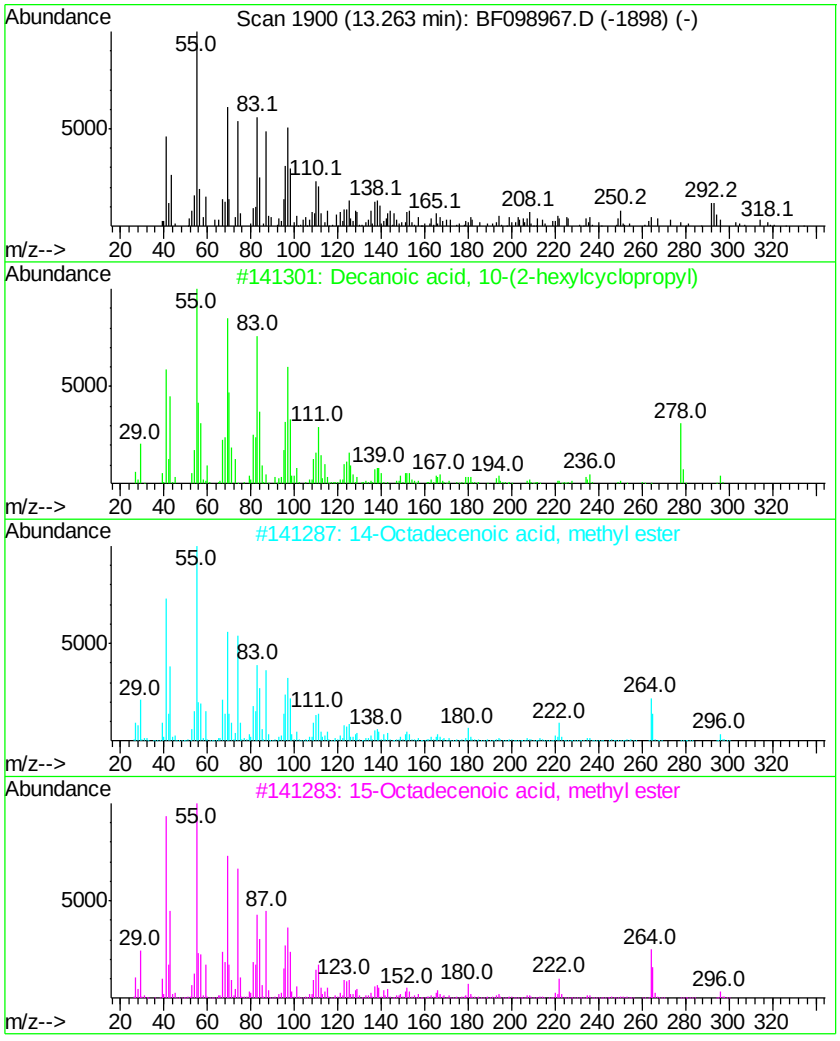
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

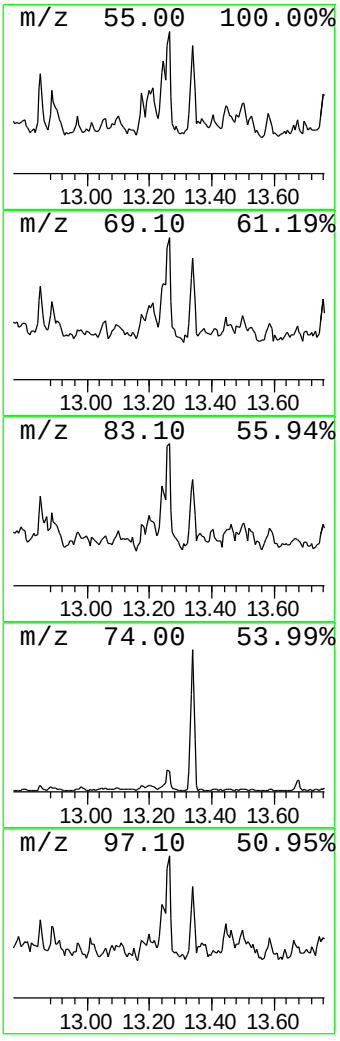
**********

Peak Number 15 Decanoic acid, 10-(2-hexylc... Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.26 | 6.31 ng | 266752 | Chrysene-d12 | 14.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Decanoic acid, 10-(2-hexylcyclop... | 296 | C19H36O2 | 1000197-99-5 | 83 |
| 2 | 14-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-48-4 | 83 |
| 3 | 15-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 004764-72-1 | 83 |
| 4 | 14-Pentadecenoic acid | 240 | C15H28O2 | 017351-34-7 | 78 |
| 5 | 16-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-49-5 | 60 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
Data File : BF098967.D
Acq On : 30 Sep 2017 17:19
Operator : SJ/JU
Sample : I5511-01 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EO-01-092817

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

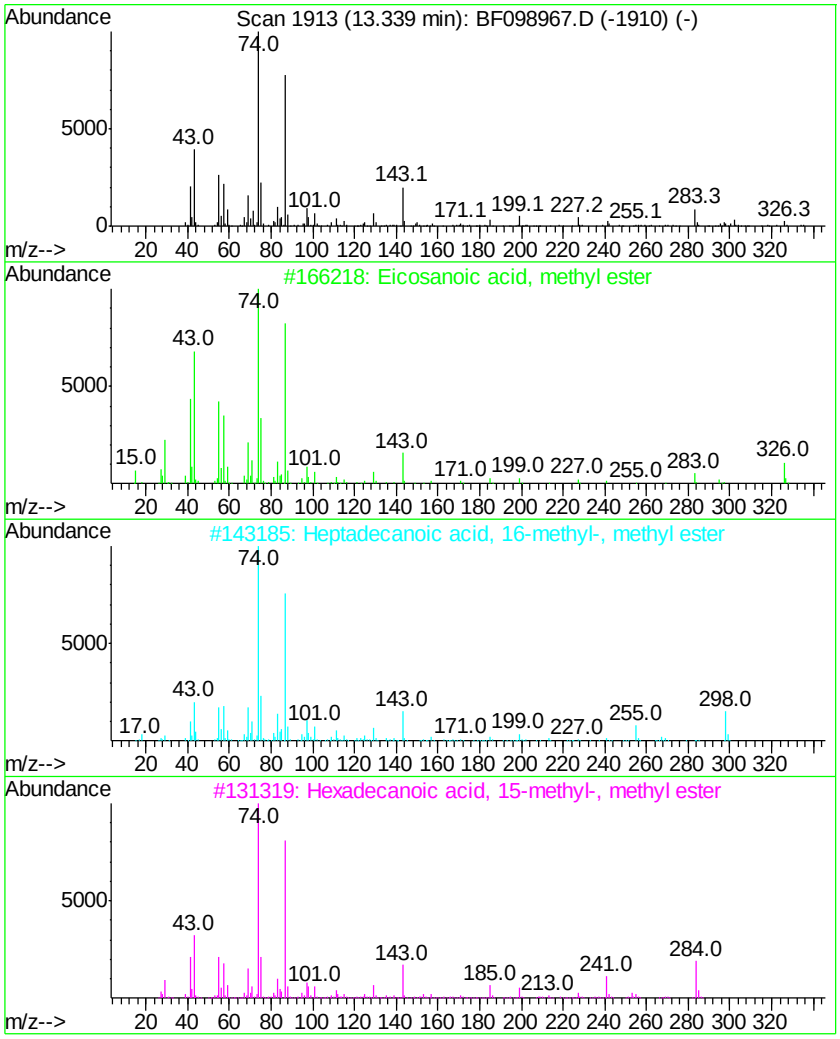
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

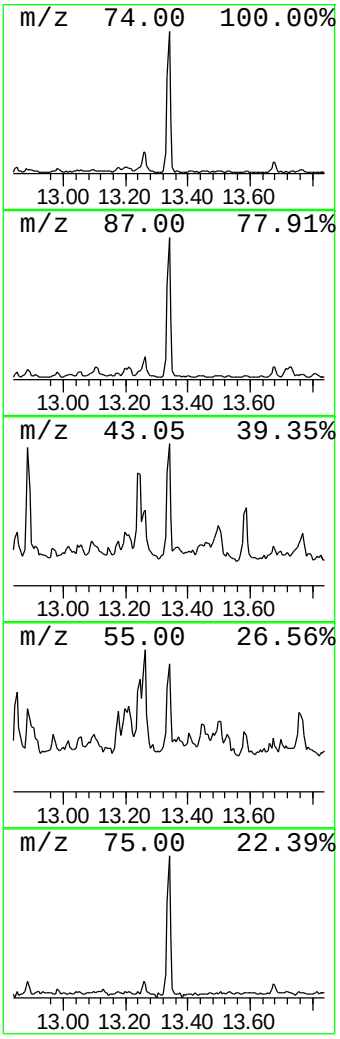
**********

Peak Number 16 Eicosanoic acid, methyl ester Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.34 | 6.38 ng | 269681 | Chrysene-d12 | 14.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosanoic acid, methyl ester | 326 | C21H42O2 | 001120-28-1 | 96 |
| 2 | Heptadecanoic acid, 16-methyl-, ... | 298 | C19H38O2 | 005129-61-3 | 96 |
| 3 | Hexadecanoic acid, 15-methyl-, m... | 284 | C18H36O2 | 006929-04-0 | 94 |
| 4 | Methyl stearate | 298 | C19H38O2 | 000112-61-8 | 91 |
| 5 | Nonadecanoic acid, methyl ester | 312 | C20H40O2 | 001731-94-8 | 91 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
Data File : BF098967.D
Acq On : 30 Sep 2017 17:19
Operator : SJ/JU
Sample : I5511-01 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EO-01-092817

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

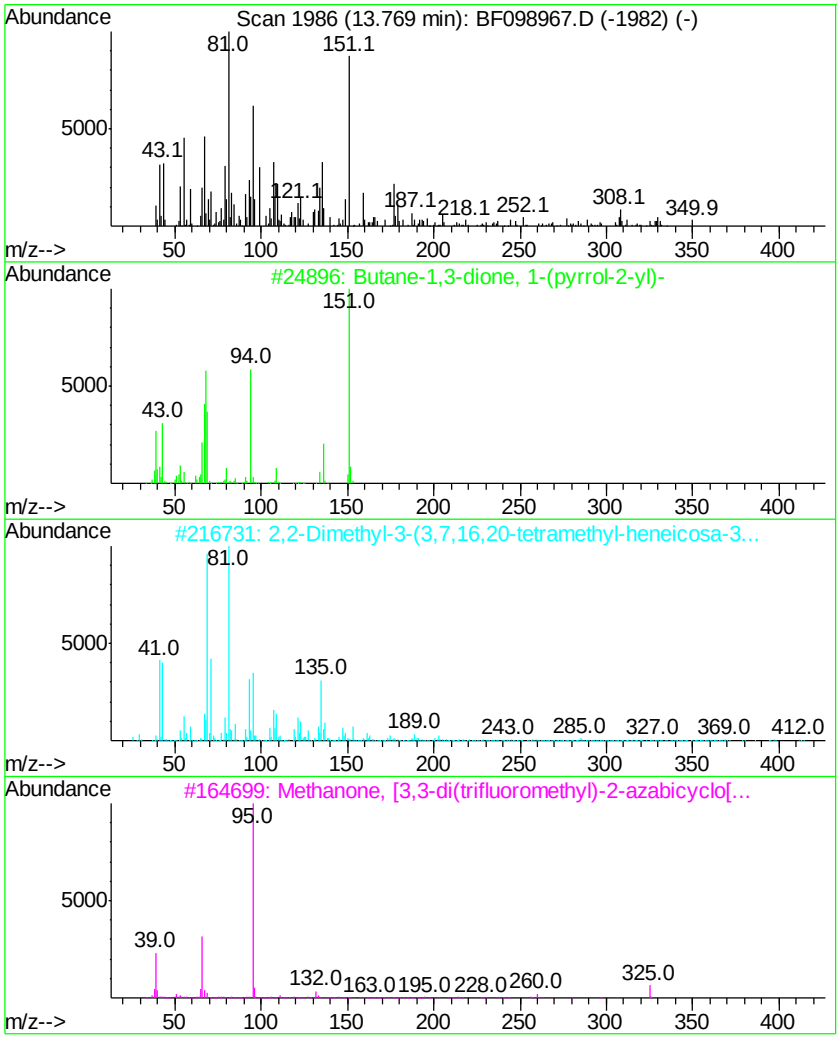
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

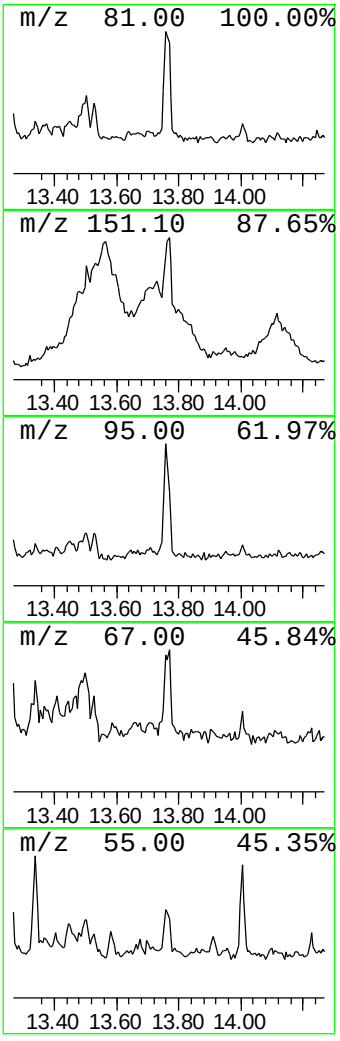
**********

Peak Number 17 unknown13.77 Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.77 | 6.91 ng | 292163 | Chrysene-d12 | 14.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane-1,3-dione, 1-(pyrrol-2-yl)- | 151 | C8H9NO2 | 022441-25-4 | 27 |
| 2 | 2,2-Dimethyl-3-(3,7,16,20-tetram... | 412 | C29H48O | 1000194-78-6 | 22 |
| 3 | Methanone, [3,3-di(trifluorometh... | 325 | C13H9F6NO2 | 1000276-52-5 | 18 |
| 4 | Bis-bicyclo [2.2.1] hept-2-ylketone | 218 | C15H22O | 1000222-21-8 | 16 |
| 5 | 4,7-Methano-1H-indene, octahydro- | 136 | C10H16 | 006004-38-2 | 14 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
Data File : BF098967.D
Acq On : 30 Sep 2017 17:19
Operator : SJ/JU
Sample : I5511-01 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EO-01-092817

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

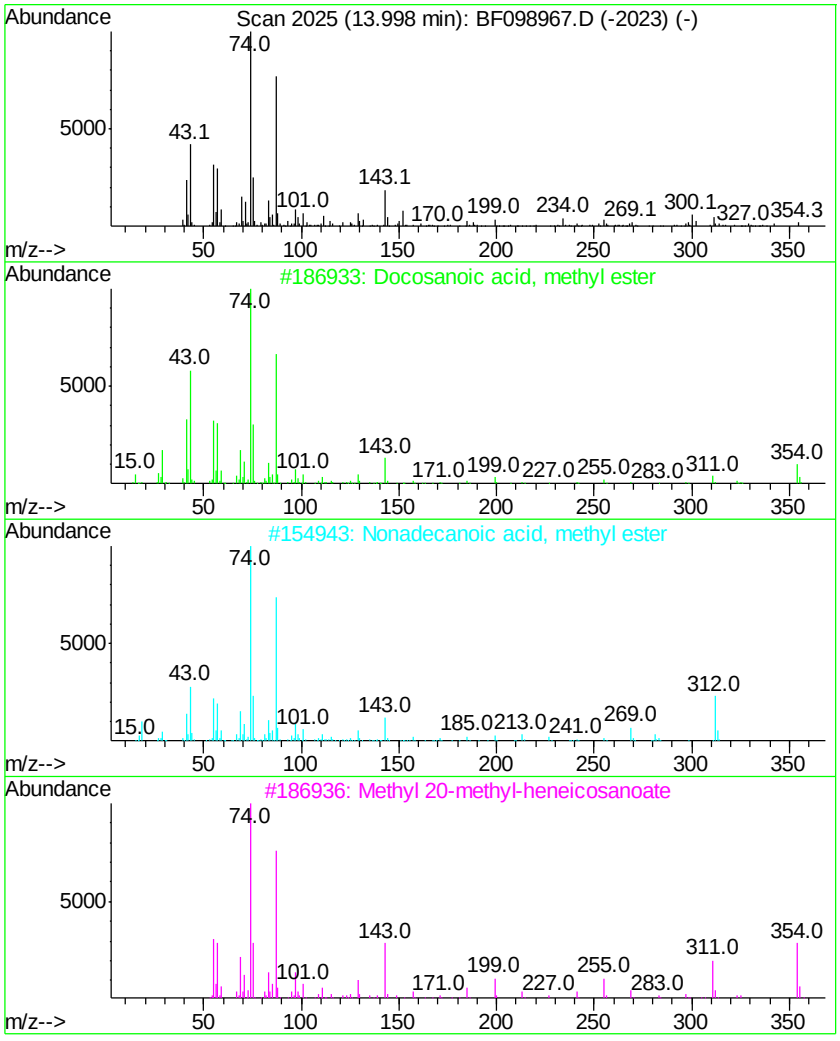
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

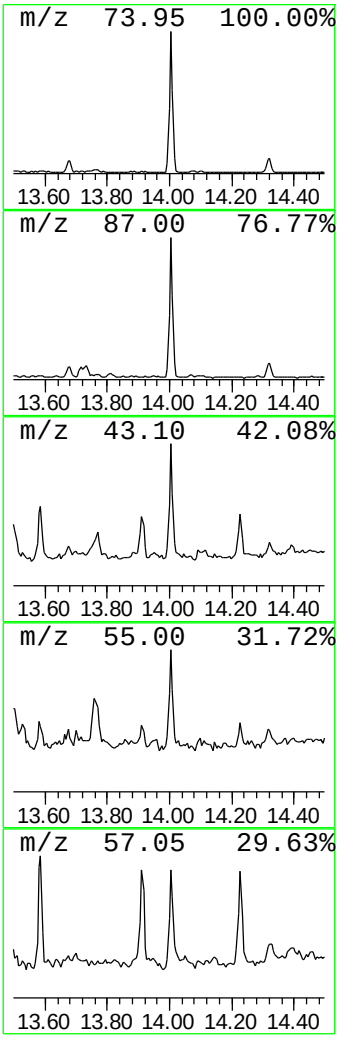
**********

Peak Number 18 Docosanoic acid, methyl ester Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.00 | 7.25 ng | 306345 | Chrysene-d12 | 14.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Docosanoic acid, methyl ester | 354 | C23H46O2 | 000929-77-1 | 96 |
| 2 | Nonadecanoic acid, methyl ester | 312 | C20H40O2 | 001731-94-8 | 95 |
| 3 | Methyl 20-methyl-heneicosanoate | 354 | C23H46O2 | 1000336-47-4 | 89 |
| 4 | Octadecanoic acid, 10-methyl-, m... | 312 | C20H40O2 | 002490-19-9 | 87 |
| 5 | Methyl 11-methyl-dodecanoate | 228 | C14H28O2 | 1000336-45-1 | 87 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
Data File : BF098967.D
Acq On : 30 Sep 2017 17:19
Operator : SJ/JU
Sample : I5511-01 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EO-01-092817

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

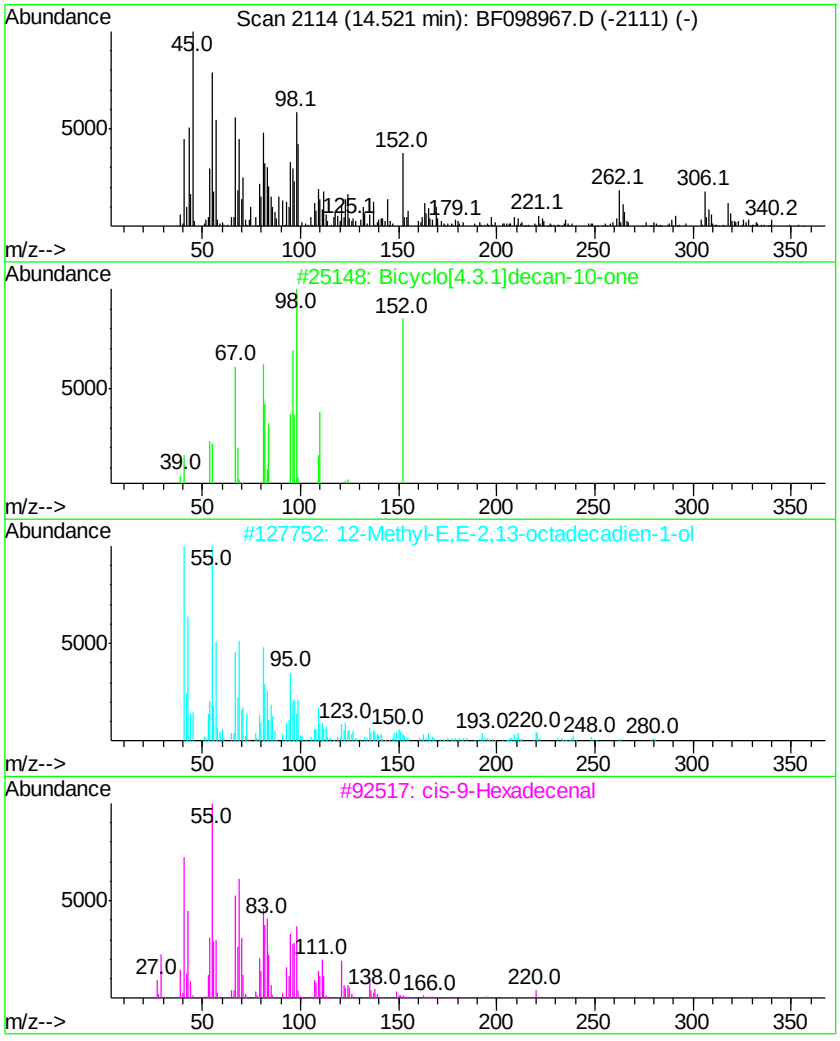
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

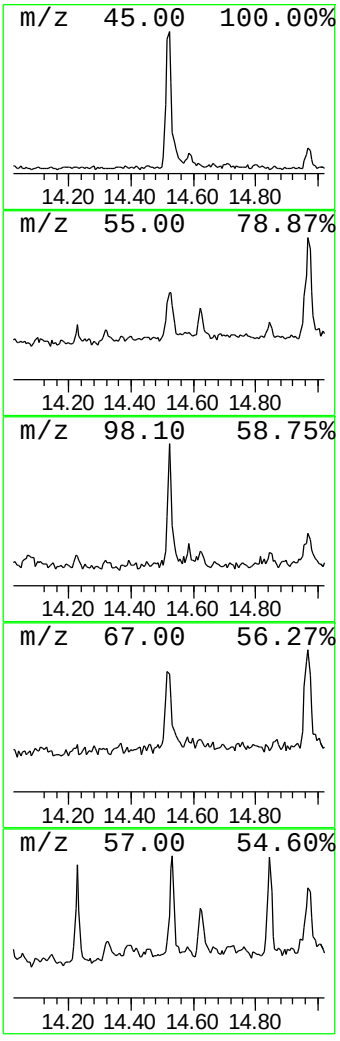
**********

Peak Number 19 unknown14.52 Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.52 | 11.09 ng | 468867 | Chrysene-d12 | 14.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Bicyclo[4.3.1]decan-10-one | 152 | C10H16O | 020440-21-5 | 49 |
| 2 | 12-Methyl-E,E-2,13-octadecadien-... | 280 | C19H36O | 1000130-90-4 | 46 |
| 3 | cis-9-Hexadecenal | 238 | C16H30O | 056219-04-6 | 44 |
| 4 | 1-Decalone (cis-trans) | 152 | C10H16O | 004832-16-0 | 44 |
| 5 | 2(1H)-Naphthalenone, octahydro-,... | 152 | C10H16O | 016021-08-2 | 44 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
Data File : BF098967.D
Acq On : 30 Sep 2017 17:19
Operator : SJ/JU
Sample : I5511-01 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EO-01-092817

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

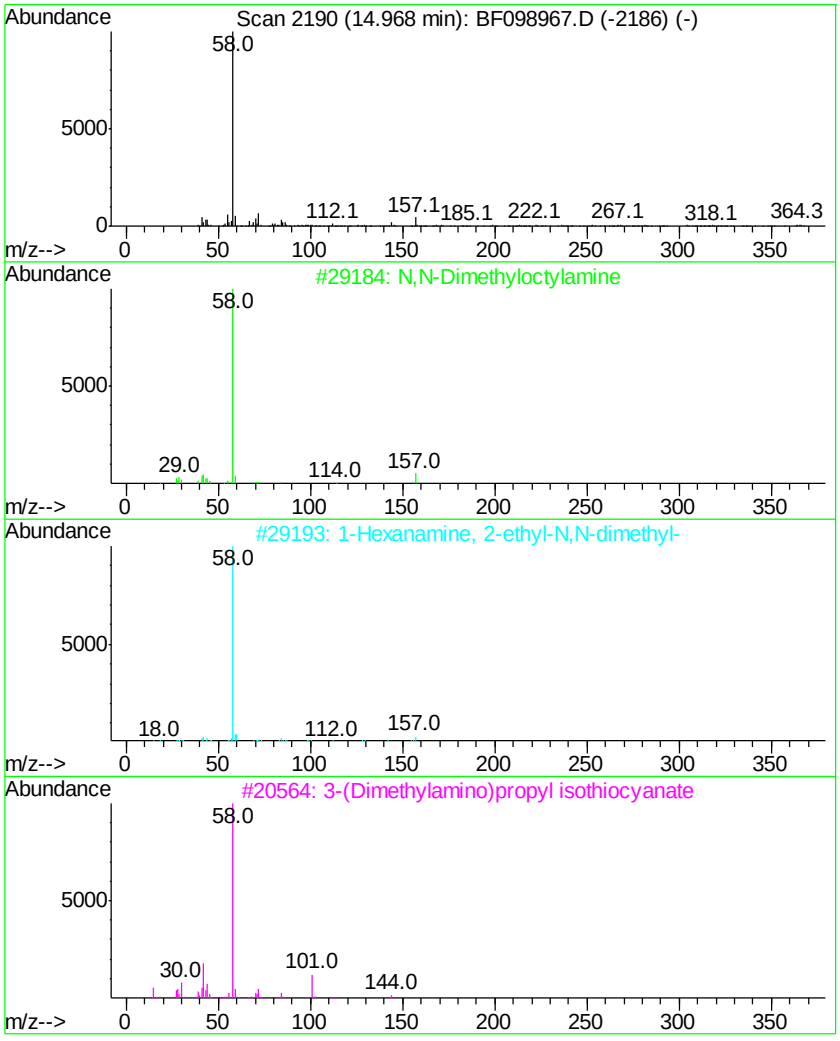
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

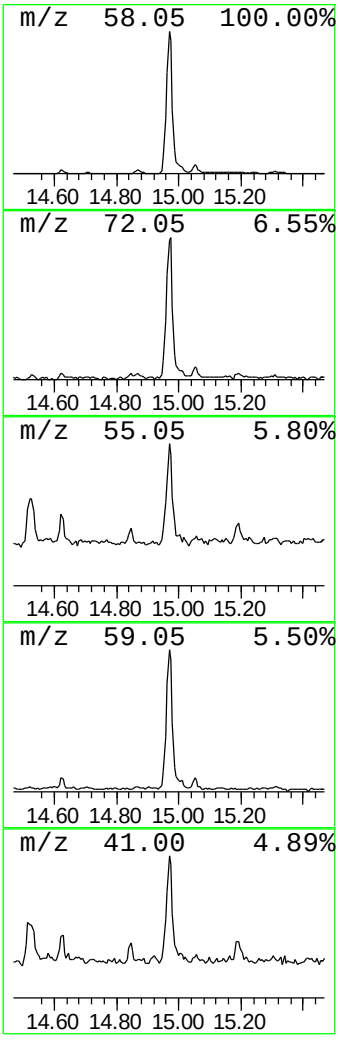
**********

Peak Number 20 N,N-Dimethyloctylamine Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.97 | 45.73 ng | 1538210 | Perylene-d12 | 15.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | N,N-Dimethyloctylamine | 157 | C10H23N | 007378-99-6 | 72 |
| 2 | 1-Hexanamine, 2-ethyl-N,N-dimethyl- | 157 | C10H23N | 028056-87-3 | 72 |
| 3 | 3-(Dimethylamino)propyl isothioc... | 144 | C6H12N2S | 027421-70-1 | 72 |
| 4 | N,N-Dimethyl-2-cyclohexyloxyethy... | 171 | C10H21NO | 071126-60-8 | 64 |
| 5 | 1-Dodecanamine, N,N-dimethyl- | 213 | C14H31N | 000112-18-5 | 64 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF093017\
Data File : BF098967.D
Acq On : 30 Sep 2017 17:19
Operator : SJ/JU
Sample : I5511-01 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EO-01-092817

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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 |
| unknown6.67 | 6.67 | 7.7 | ng | 328789 | 1 | 6.92 | 860010 | 20.0 |
| Tridecane | 8.78 | 6.8 | ng | 397423 | 2 | 8.20 | 1164570 | 20.0 |
| Tetradecane | 9.35 | 8.5 | ng | 461353 | 3 | 9.95 | 1087980 | 20.0 |
| Bacchotricuneatin c | 10.37 | 10.1 | ng | 549523 | 3 | 9.95 | 1087980 | 20.0 |
| Hexadecane | 10.85 | 16.7 | ng | 733262 | 4 | 11.44 | 879336 | 20.0 |
| Heptacosane | 11.29 | 11.0 | ng | 482339 | 4 | 11.44 | 879336 | 20.0 |
| Hexadecanoic acid... | 11.83 | 118.0 | ng | 5187180 | 4 | 11.44 | 879336 | 20.0 |
| Heneicosane | 12.13 | 8.4 | ng | 368660 | 4 | 11.44 | 879336 | 20.0 |
| 9,12-Octadecadien... | 12.53 | 267.4 | ng | 11758300 | 4 | 11.44 | 879336 | 20.0 |
| Methyl 9.cis.,11.... | 13.21 | 7.2 | ng | 304933 | 5 | 14.08 | 845335 | 20.0 |
| Decanoic acid, 10... | 13.26 | 6.3 | ng | 266752 | 5 | 14.08 | 845335 | 20.0 |
| Eicosanoic acid, ... | 13.34 | 6.4 | ng | 269681 | 5 | 14.08 | 845335 | 20.0 |
| unknown13.77 | 13.77 | 6.9 | ng | 292163 | 5 | 14.08 | 845335 | 20.0 |
| Docosanoic acid, ... | 14.00 | 7.3 | ng | 306345 | 5 | 14.08 | 845335 | 20.0 |
| unknown14.52 | 14.52 | 11.1 | ng | 468867 | 5 | 14.08 | 845335 | 20.0 |
| N,N-Dimethyloctyl... | 14.97 | 45.7 | ng | 1538210 | 6 | 15.57 | 672801 | 20.0 |