LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
Data File : BF096246.D
Acq On : 28 Jun 2017 13:44
Operator : SJ/MA
Sample : I3912-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OK-03-062317

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-BF062717.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 | 4.969 | 486 | 490 | 497 | rBV | 459213 | 477621 | 21.05% | 1.840% |
| 2 | 5.387 | 557 | 561 | 565 | rBV | 2295888 | 2268684 | 100.00% | 8.740% |
| 3 | 6.404 | 729 | 734 | 737 | rBV | 2511045 | 2145453 | 94.57% | 8.266% |
| 4 | 6.545 | 754 | 758 | 762 | rBV | 2426548 | 2157257 | 95.09% | 8.311% |
| 5 | 6.781 | 794 | 798 | 802 | rBV | 1176631 | 929177 | 40.96% | 3.580% |
| 6 | 6.940 | 821 | 825 | 828 | rBV | 1907097 | 1607056 | 70.84% | 6.191% |
| 7 | 7.334 | 888 | 892 | 895 | rBV | 1544024 | 1292066 | 56.95% | 4.978% |
| 8 | 7.422 | 904 | 907 | 912 | rVB2 | 38334 | 41268 | 1.82% | 0.159% |
| 9 | 8.063 | 1012 | 1016 | 1019 | rBV | 1492279 | 1182174 | 52.11% | 4.554% |
| 10 | 9.034 | 1178 | 1181 | 1184 | rVB3 | 29057 | 26815 | 1.18% | 0.103% |
| 11 | 9.139 | 1194 | 1199 | 1202 | rVB | 2187083 | 1953296 | 86.10% | 7.525% |
| 12 | 9.228 | 1211 | 1214 | 1218 | rBV2 | 45484 | 46376 | 2.04% | 0.179% |
| 13 | 9.398 | 1240 | 1243 | 1250 | rBV7 | 14613 | 25513 | 1.12% | 0.098% |
| 14 | 9.475 | 1250 | 1256 | 1258 | rBV4 | 20929 | 29861 | 1.32% | 0.115% |
| 15 | 9.528 | 1262 | 1265 | 1268 | rVV | 340687 | 253131 | 11.16% | 0.975% |
| 16 | 9.651 | 1282 | 1286 | 1288 | rBV | 29741 | 27584 | 1.22% | 0.106% |
| 17 | 9.757 | 1302 | 1304 | 1309 | rVB | 80820 | 71003 | 3.13% | 0.274% |
| 18 | 9.816 | 1309 | 1314 | 1318 | rBV | 1130239 | 1054329 | 46.47% | 4.062% |
| 19 | 10.016 | 1345 | 1348 | 1351 | rVB2 | 51854 | 44616 | 1.97% | 0.172% |
| 20 | 10.092 | 1357 | 1361 | 1363 | rBV2 | 39758 | 48620 | 2.14% | 0.187% |
| 21 | 10.257 | 1386 | 1389 | 1392 | rVB | 125949 | 100613 | 4.43% | 0.388% |
| 22 | 10.480 | 1422 | 1427 | 1430 | rBV | 57469 | 64797 | 2.86% | 0.250% |
| 23 | 10.592 | 1443 | 1446 | 1450 | rVB | 1148109 | 996377 | 43.92% | 3.839% |
| 24 | 10.728 | 1466 | 1469 | 1471 | rBV | 157916 | 151210 | 6.67% | 0.583% |
| 25 | 11.051 | 1522 | 1524 | 1528 | rVB5 | 17980 | 25597 | 1.13% | 0.099% |
| 26 | 11.175 | 1542 | 1545 | 1548 | rBV | 114583 | 100583 | 4.43% | 0.388% |
| 27 | 11.210 | 1548 | 1551 | 1555 | rVB | 76490 | 81269 | 3.58% | 0.313% |
| 28 | 11.292 | 1561 | 1565 | 1568 | rBV | 1066377 | 869792 | 38.34% | 3.351% |
| 29 | 11.316 | 1568 | 1569 | 1572 | rVB | 61897 | 31644 | 1.39% | 0.122% |
| 30 | 11.604 | 1615 | 1618 | 1620 | rBV | 100407 | 91067 | 4.01% | 0.351% |
| 31 | 11.798 | 1648 | 1651 | 1652 | rBV | 27886 | 32908 | 1.45% | 0.127% |
| 32 | 11.827 | 1652 | 1656 | 1661 | rVV2 | 568769 | 537524 | 23.69% | 2.071% |
| 33 | 11.904 | 1666 | 1669 | 1671 | rVV2 | 39676 | 42287 | 1.86% | 0.163% |
| 34 | 12.010 | 1684 | 1687 | 1689 | rBV | 82647 | 64920 | 2.86% | 0.250% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
Data File : BF096246.D
Acq On : 28 Jun 2017 13:44
Operator : SJ/MA
Sample : I3912-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OK-03-062317

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-BF062717.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 12.222 | 1720 | 1723 | 1728 | rBV6 | 38928 | 63809 | 2.81% | 0.246% |
| 36 | 12.292 | 1732 | 1735 | 1737 | rVV2 | 40717 | 41524 | 1.83% | 0.160% |
| 37 | 12.345 | 1741 | 1744 | 1747 | rVV3 | 50520 | 55261 | 2.44% | 0.213% |
| 38 | 12.398 | 1751 | 1753 | 1756 | rVB | 105644 | 82439 | 3.63% | 0.318% |
| 39 | 12.498 | 1768 | 1770 | 1774 | rBV | 117643 | 139045 | 6.13% | 0.536% |
| 40 | 12.533 | 1774 | 1776 | 1784 | rVV6 | 65176 | 117943 | 5.20% | 0.454% |
| 41 | 12.616 | 1785 | 1790 | 1800 | rBV | 1434918 | 1771673 | 78.09% | 6.826% |
| 42 | 12.727 | 1807 | 1809 | 1811 | rVV | 83167 | 55336 | 2.44% | 0.213% |
| 43 | 12.769 | 1813 | 1816 | 1818 | rVB | 99557 | 74172 | 3.27% | 0.286% |
| 44 | 12.874 | 1831 | 1834 | 1838 | rBV | 1755840 | 1586552 | 69.93% | 6.112% |
| 45 | 13.121 | 1874 | 1876 | 1879 | rVB | 141696 | 114118 | 5.03% | 0.440% |
| 46 | 13.463 | 1932 | 1934 | 1937 | rBV2 | 169164 | 166699 | 7.35% | 0.642% |
| 47 | 13.780 | 1985 | 1988 | 1989 | rBV | 228654 | 218975 | 9.65% | 0.844% |
| 48 | 13.921 | 2009 | 2012 | 2015 | rBV | 997662 | 876768 | 38.65% | 3.378% |
| 49 | 14.110 | 2041 | 2044 | 2048 | rVB | 271384 | 235141 | 10.36% | 0.906% |
| 50 | 14.416 | 2093 | 2096 | 2099 | rBV | 314812 | 321061 | 14.15% | 1.237% |
| 51 | 14.716 | 2144 | 2147 | 2153 | rBV2 | 345422 | 469979 | 20.72% | 1.811% |
| 52 | 15.357 | 2253 | 2256 | 2260 | rVB | 594567 | 693563 | 30.57% | 2.672% |

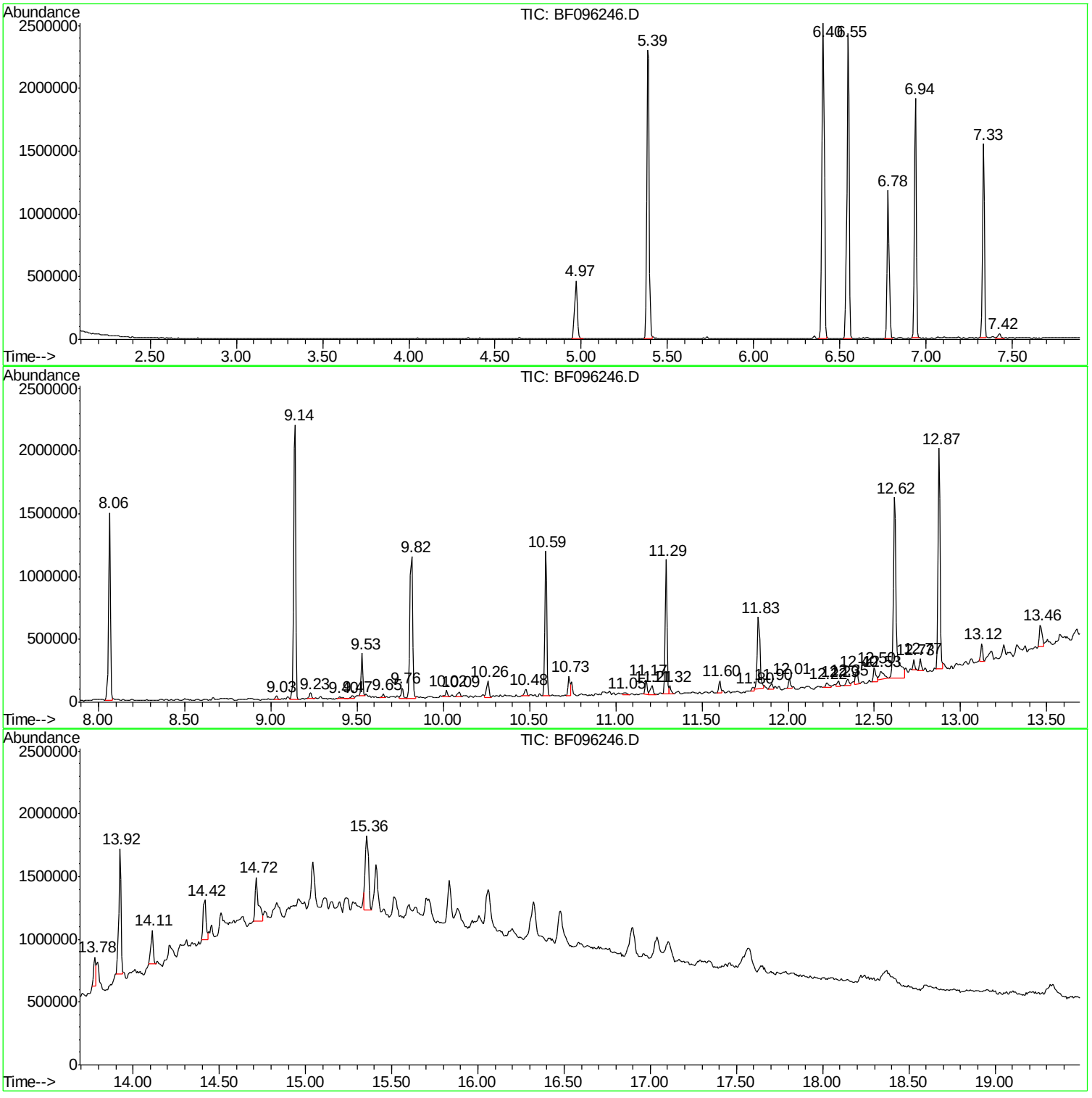
Sum of corrected areas: 25956546

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
Data File : BF096246.D
Acq On : 28 Jun 2017 13:44
Operator : SJ/MA
Sample : I3912-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OK-03-062317

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.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\BF062817\
Data File : BF096246.D
Acq On : 28 Jun 2017 13:44
Operator : SJ/MA
Sample : I3912-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OK-03-062317

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

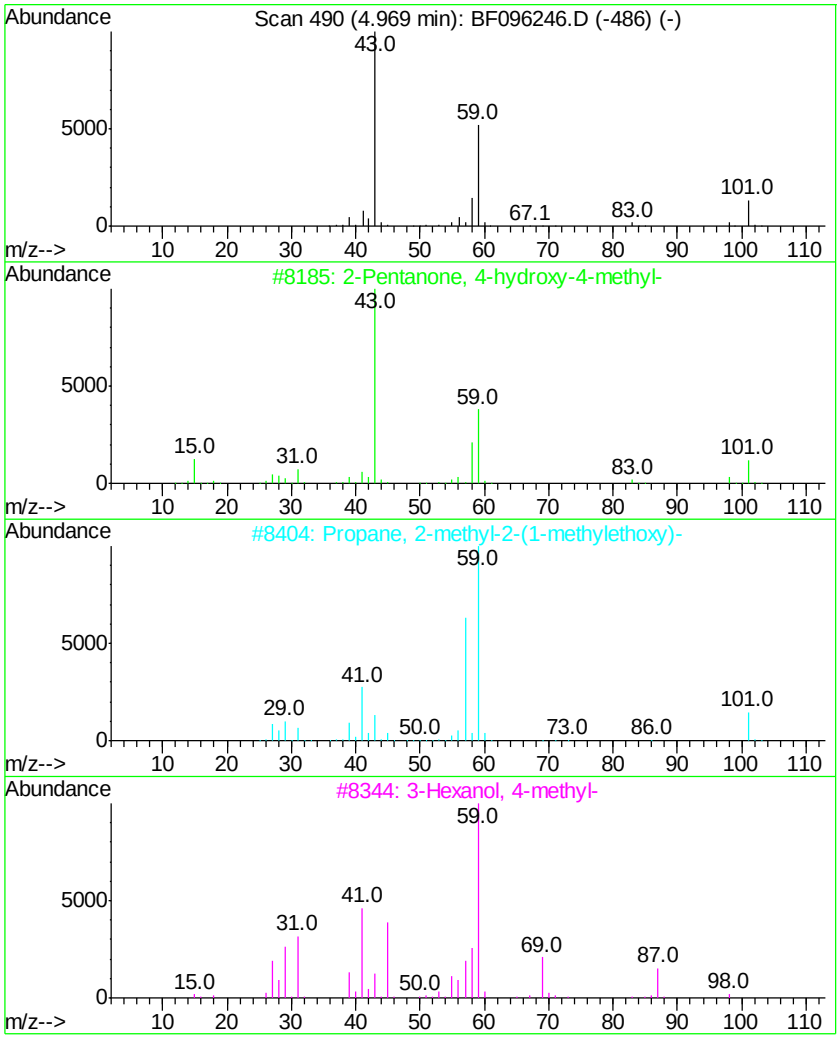
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

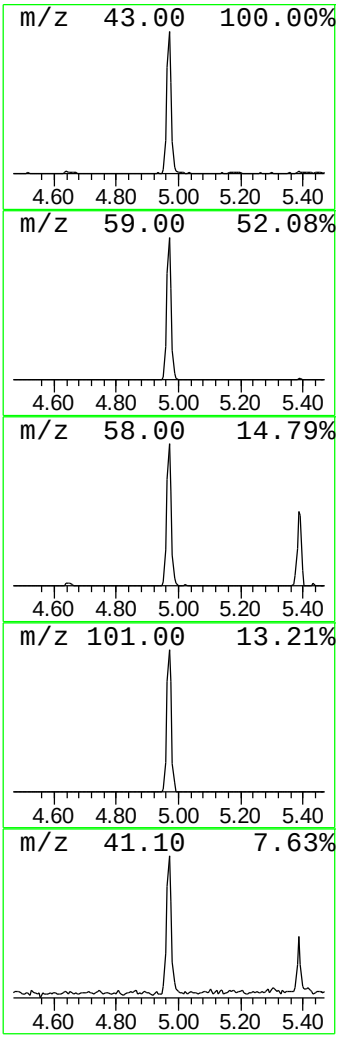
**********

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.97 | 10.28 ng | 477621 | 1,4-Dichlorobenzene-d4 | 6.78 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 50 |
| 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 | 28 |
| 5 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 23 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
Data File : BF096246.D
Acq On : 28 Jun 2017 13:44
Operator : SJ/MA
Sample : I3912-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OK-03-062317

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

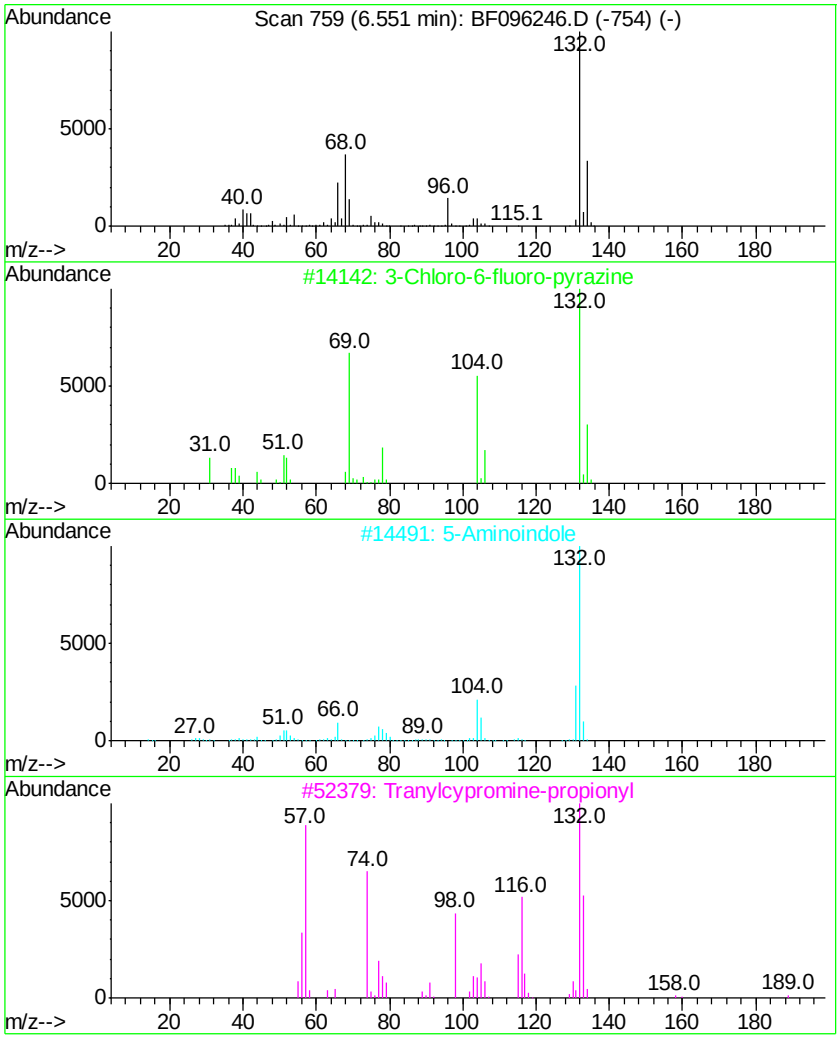
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

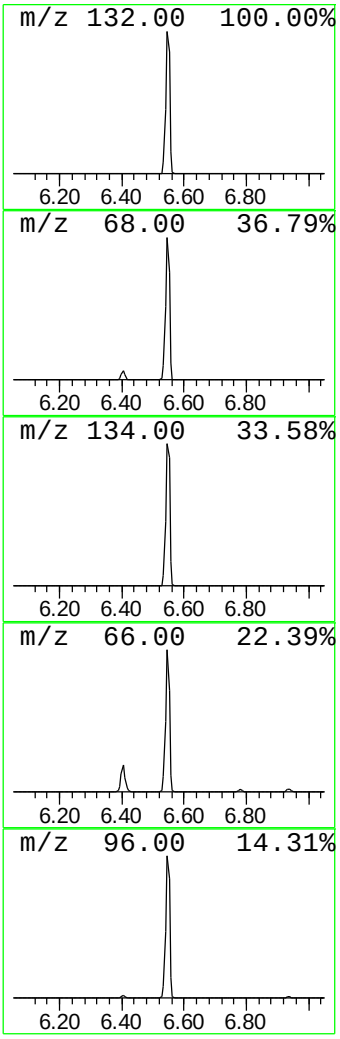
**********

Peak Number 2 unknown6.55 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.55 | 46.43 ng | 2157260 | 1,4-Dichlorobenzene-d4 | 6.78 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |
| 3 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 4 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 9 |
| 5 | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2 | 022291-85-6 | 9 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
Data File : BF096246.D
Acq On : 28 Jun 2017 13:44
Operator : SJ/MA
Sample : I3912-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OK-03-062317

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

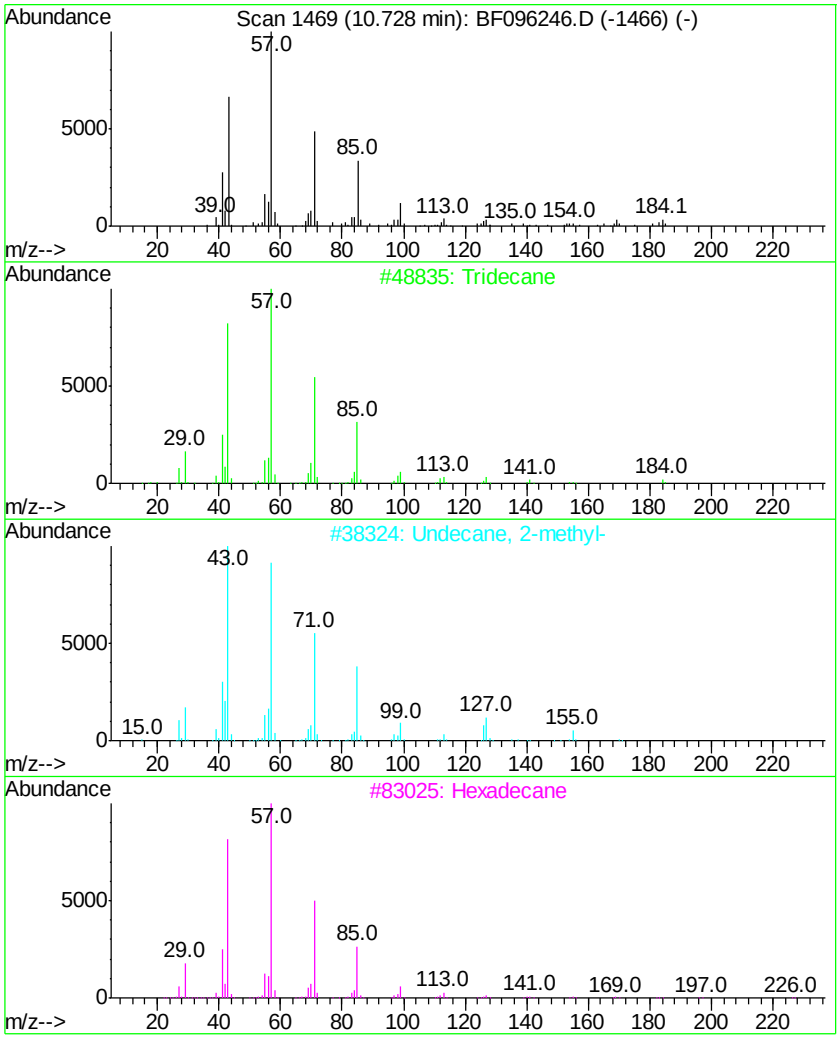
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

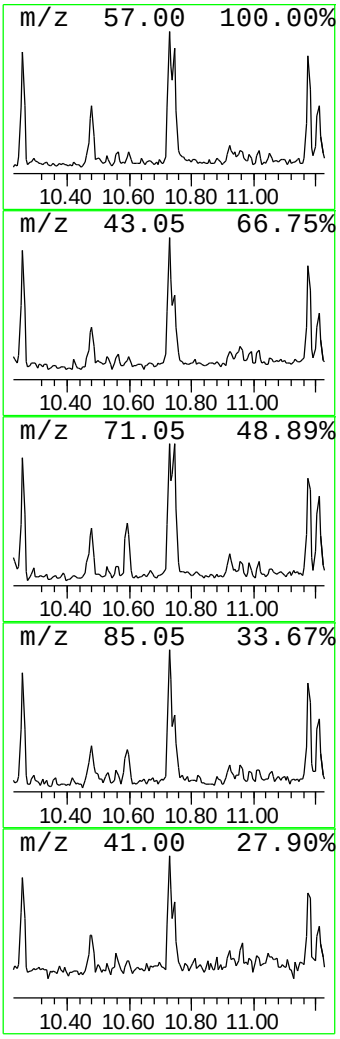
**********

Peak Number 4 Tridecane Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.73 | 3.48 ng | 151210 | Phenanthrene-d10 | 11.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane | 184 | C13H28 | 000629-50-5 | 93 |
| 2 | Undecane, 2-methyl- | 170 | C12H26 | 007045-71-8 | 86 |
| 3 | Hexadecane | 226 | C16H34 | 000544-76-3 | 86 |
| 4 | Heptacosane | 380 | C27H56 | 000593-49-7 | 86 |
| 5 | Dodecane, 2-methyl-6-propyl- | 226 | C16H34 | 055045-08-4 | 86 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
Data File : BF096246.D
Acq On : 28 Jun 2017 13:44
Operator : SJ/MA
Sample : I3912-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OK-03-062317

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

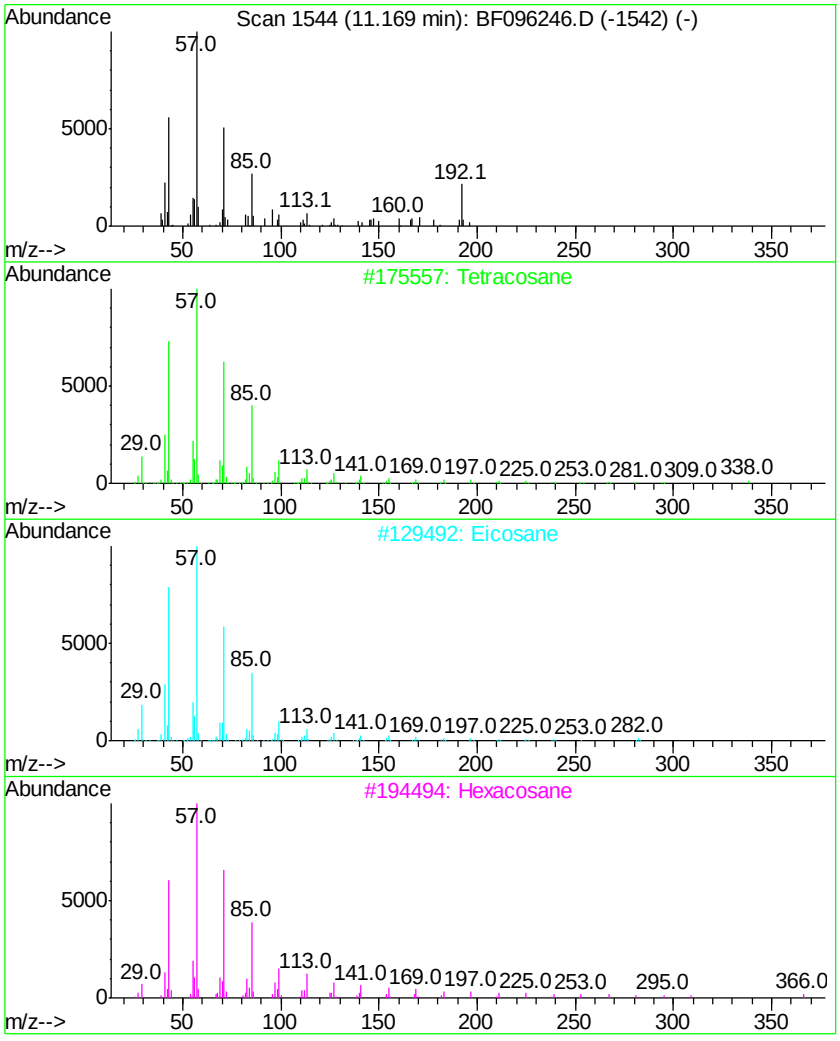
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

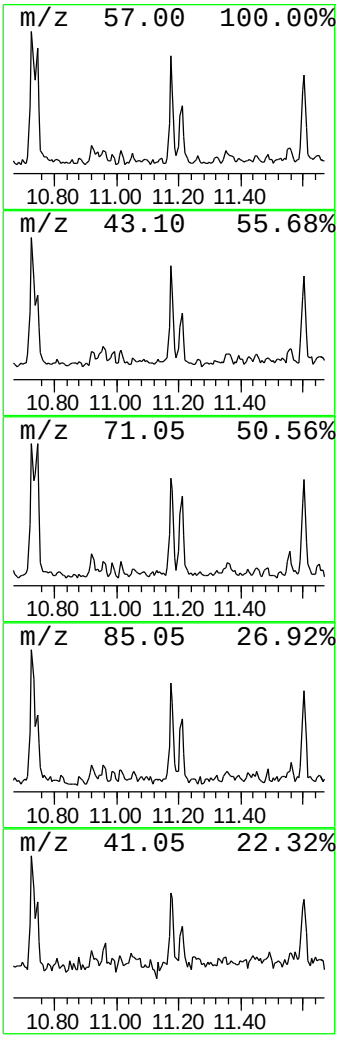
**********

Peak Number 5 Tetracosane Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.17 | 2.31 ng | 100583 | Phenanthrene-d10 | 11.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetracosane | 338 | C24H50 | 000646-31-1 | 78 |
| 2 | Eicosane | 282 | C20H42 | 000112-95-8 | 72 |
| 3 | Hexacosane | 366 | C26H54 | 000630-01-3 | 64 |
| 4 | Sulfurous acid, 2-propyl tridecy... | 306 | C16H34O3S | 1000309-12-4 | 64 |
| 5 | Pentadecane | 212 | C15H32 | 000629-62-9 | 64 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
Data File : BF096246.D
Acq On : 28 Jun 2017 13:44
Operator : SJ/MA
Sample : I3912-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OK-03-062317

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

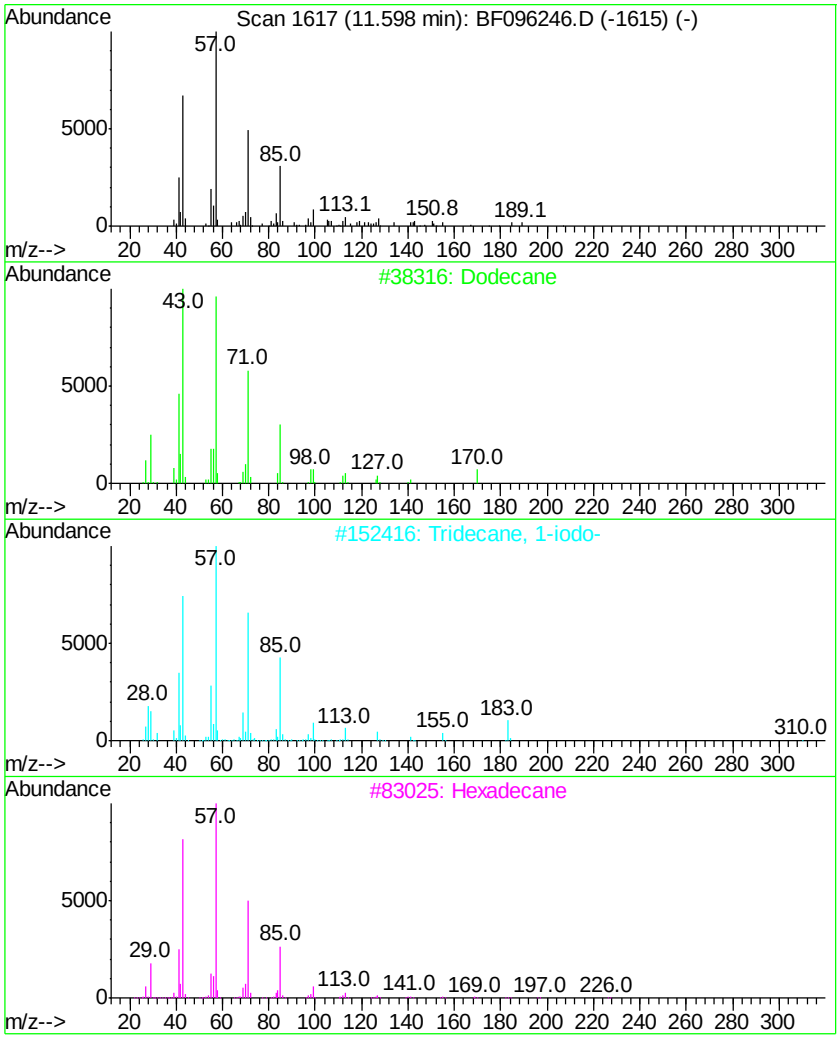
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

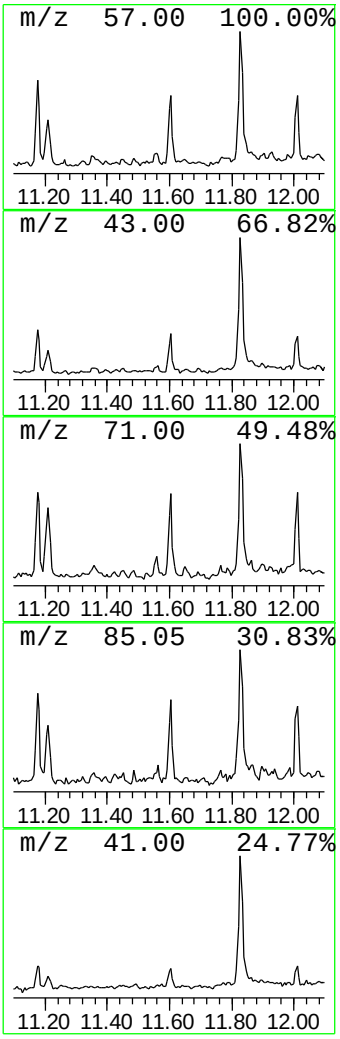
**********

Peak Number 6 Dodecane Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.60 | 2.09 ng | 91067 | Phenanthrene-d10 | 11.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dodecane | 170 | C12H26 | 000112-40-3 | 78 |
| 2 | Tridecane, 1-iodo- | 310 | C13H27I | 035599-77-0 | 72 |
| 3 | Hexadecane | 226 | C16H34 | 000544-76-3 | 72 |
| 4 | Decane | 142 | C10H22 | 000124-18-5 | 72 |
| 5 | Undecane, 3-ethyl- | 184 | C13H28 | 017312-58-2 | 72 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
Data File : BF096246.D
Acq On : 28 Jun 2017 13:44
Operator : SJ/MA
Sample : I3912-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OK-03-062317

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

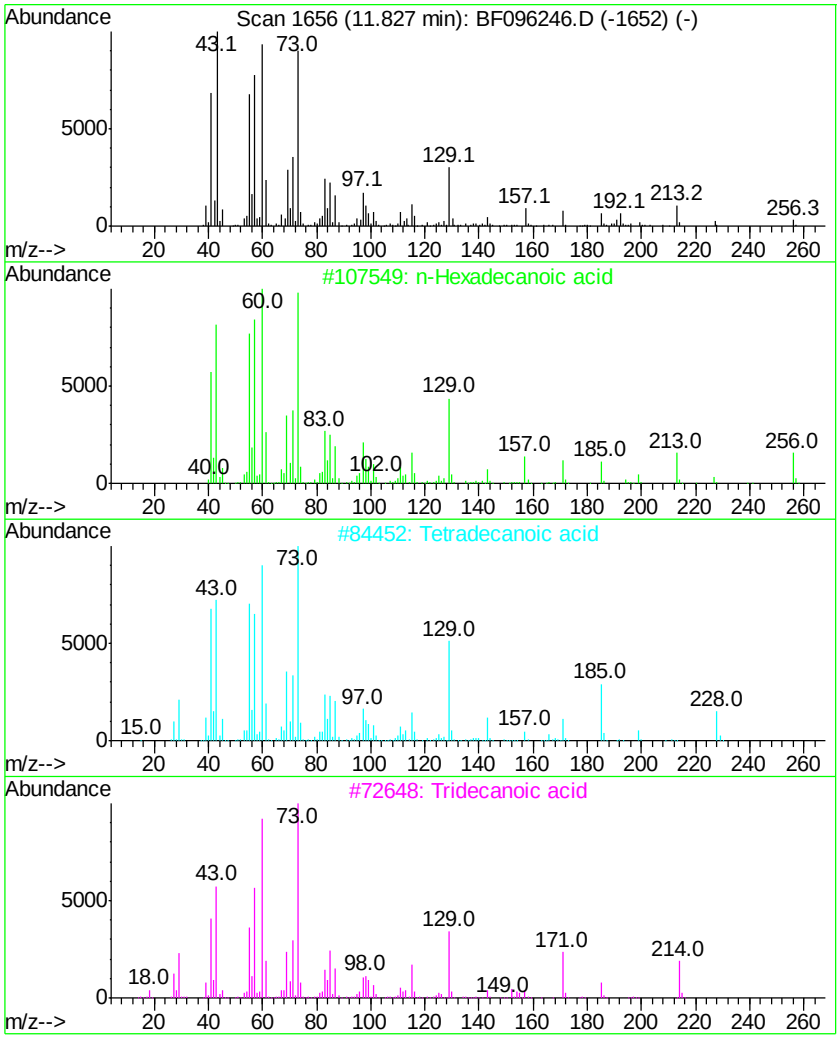
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

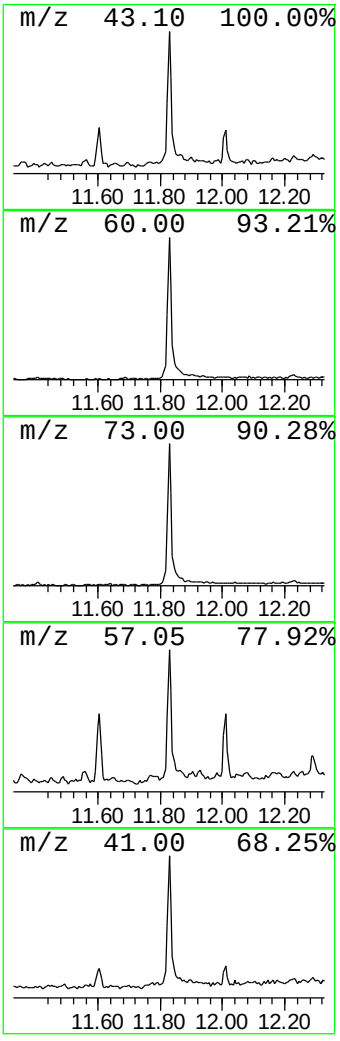
**********

Peak Number 7 n-Hexadecanoic acid Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.83 | 12.36 ng | 537524 | Phenanthrene-d10 | 11.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 2 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 93 |
| 3 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 93 |
| 4 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 87 |
| 5 | Undecanoic acid | 186 | C11H22O2 | 000112-37-8 | 72 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
Data File : BF096246.D
Acq On : 28 Jun 2017 13:44
Operator : SJ/MA
Sample : I3912-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OK-03-062317

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

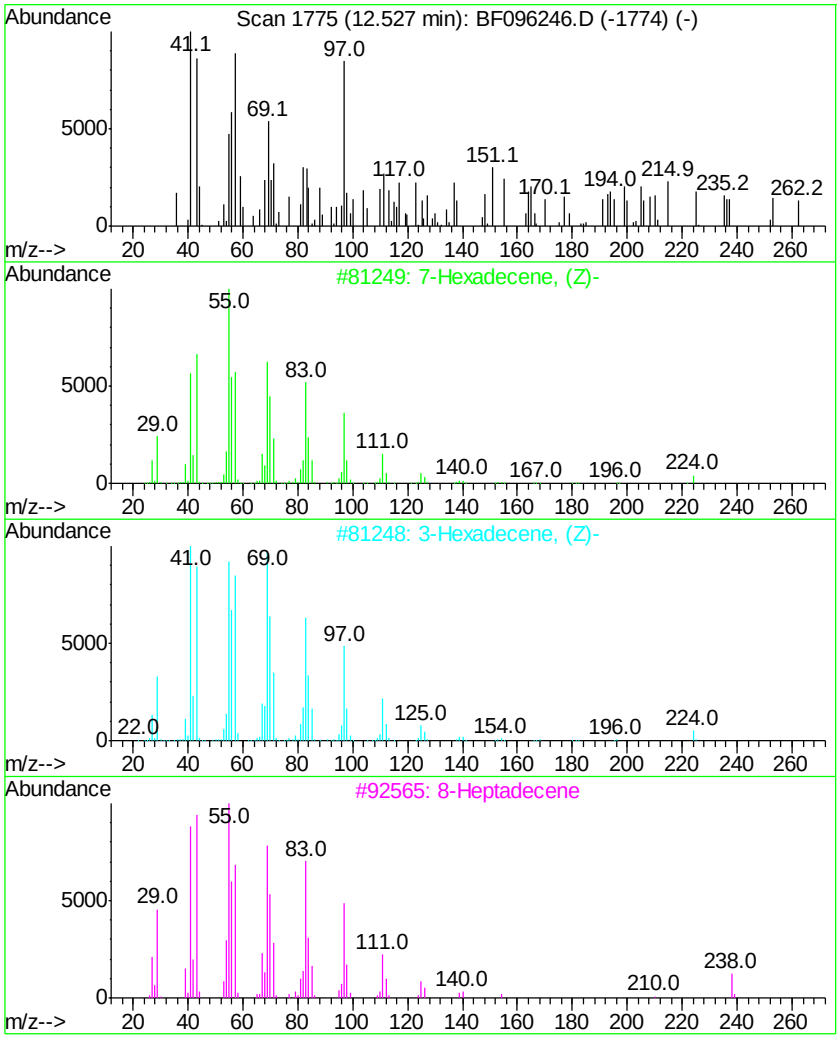
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

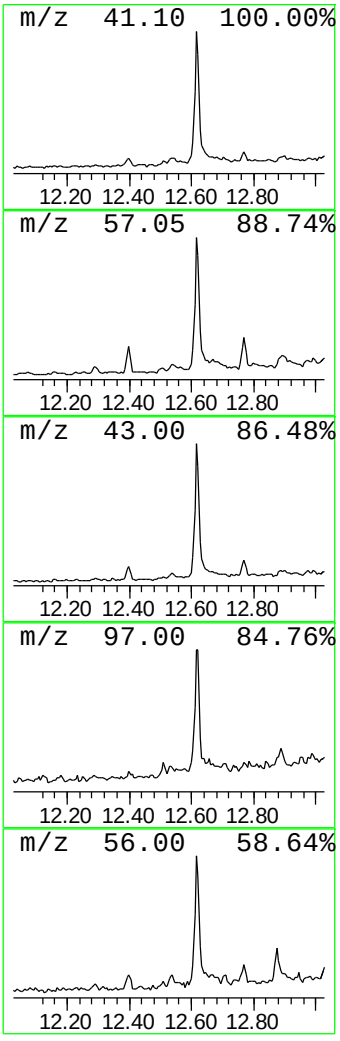
**********

Peak Number 9 7-Hexadecene, (Z)- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.53 | 2.71 ng | 117943 | Phenanthrene-d10 | 11.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 7-Hexadecene, (Z)- | 224 | C16H32 | 035507-09-6 | 83 |
| 2 | 3-Hexadecene, (Z)- | 224 | C16H32 | 034303-81-6 | 83 |
| 3 | 8-Heptadecene | 238 | C17H34 | 002579-04-6 | 78 |
| 4 | 9-Hexadecenoic acid, eicosyl est... | 535 | C36H70O2 | 022522-34-5 | 64 |
| 5 | 4-Fluoro-1-methyl-5-carboxylic a... | 172 | C7H9FN2O2 | 1000129-56-3 | 64 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
Data File : BF096246.D
Acq On : 28 Jun 2017 13:44
Operator : SJ/MA
Sample : I3912-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OK-03-062317

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.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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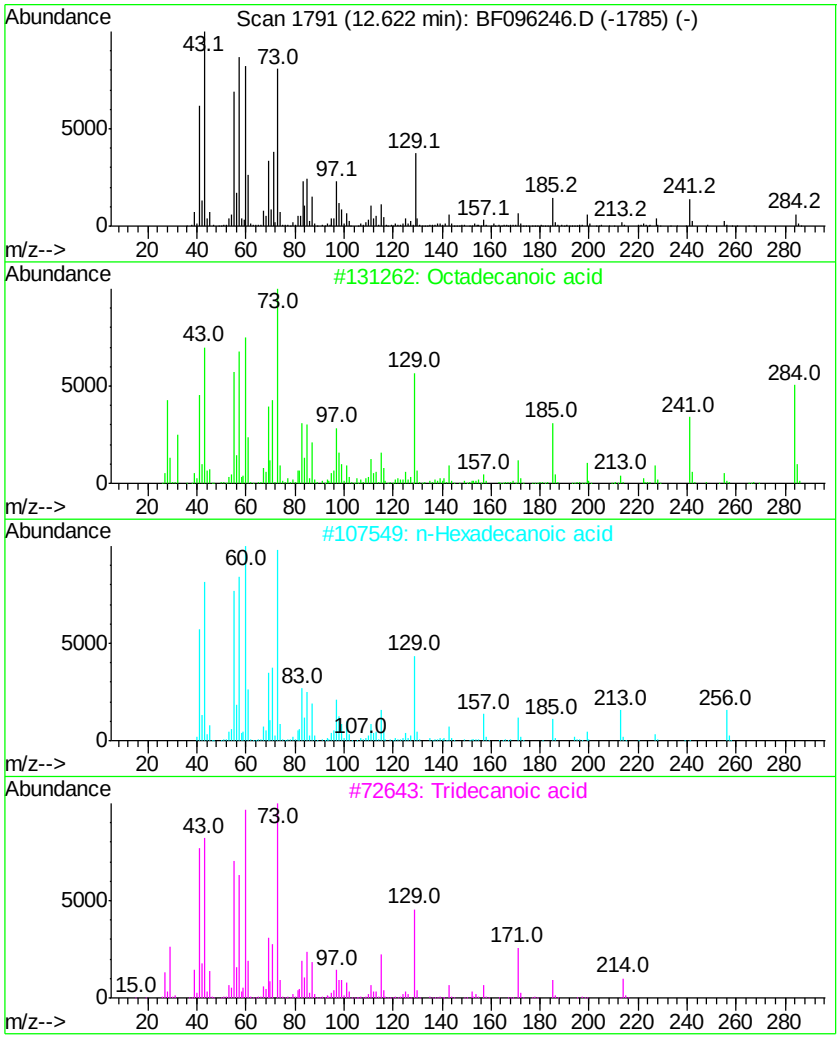
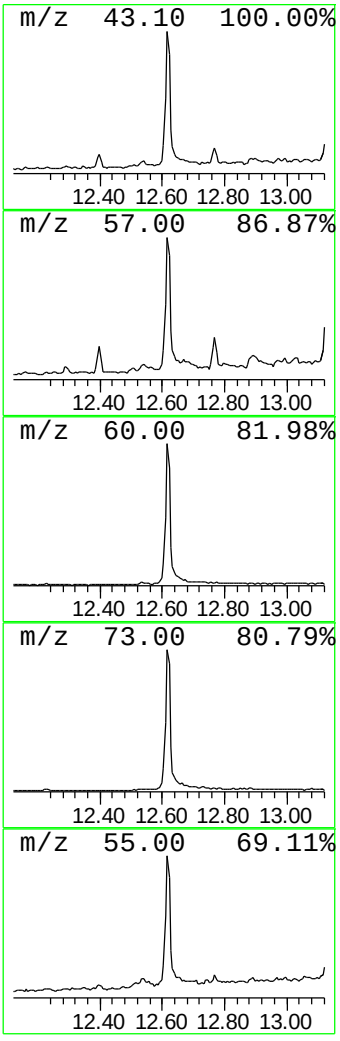
Peak Number 10 Octadecanoic acid Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.62 | 40.41 ng | 1771670 | Chrysene-d12 | 13.92 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 99 |
| 2 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 81 |
| 3 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 74 |
| 4 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 53 |
| 5 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 50 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
Data File : BF096246.D
Acq On : 28 Jun 2017 13:44
Operator : SJ/MA
Sample : I3912-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OK-03-062317

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.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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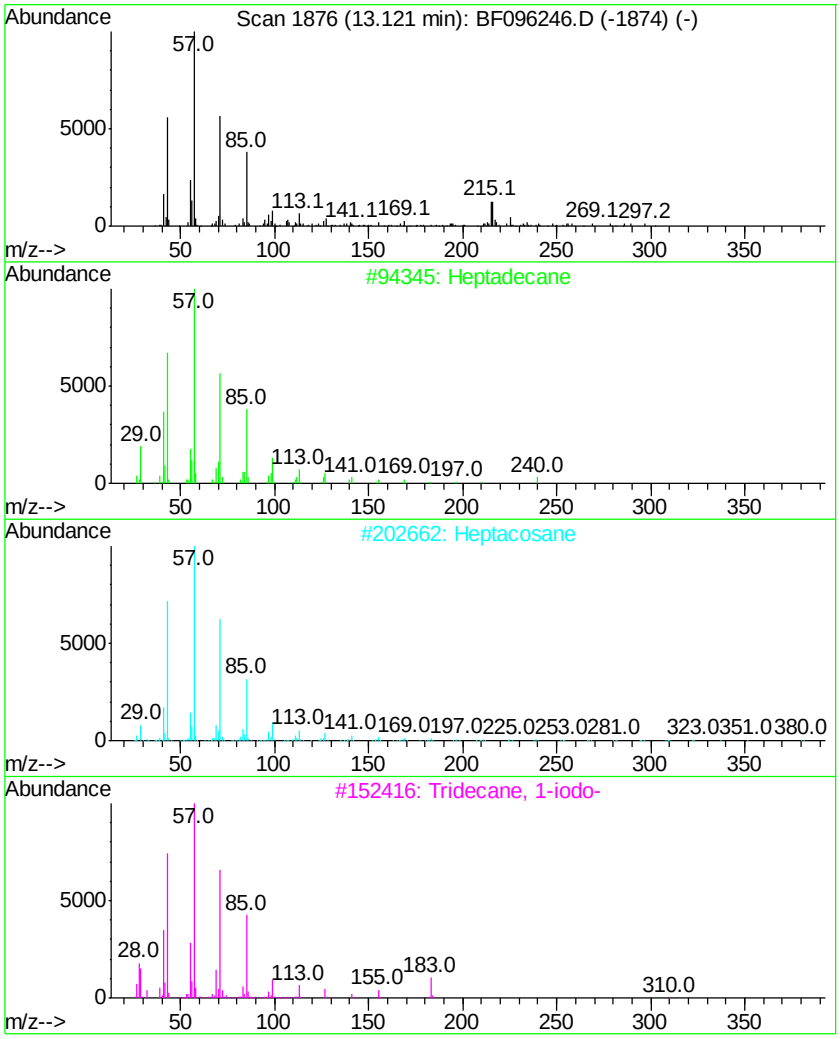
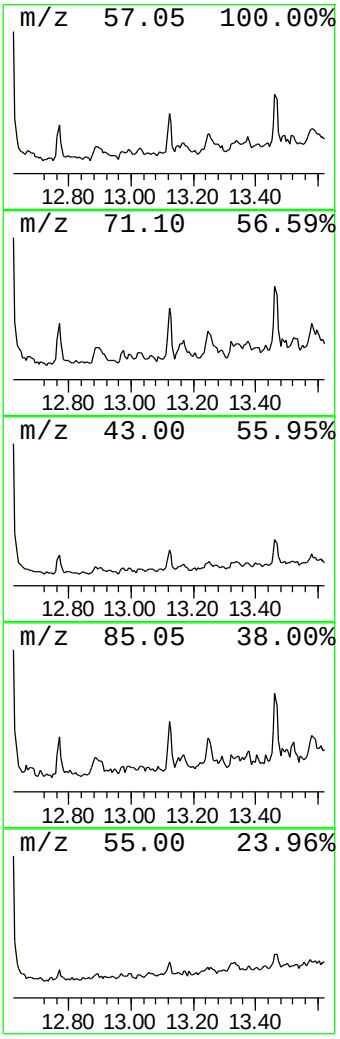
Peak Number 11 Heptadecane Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.12 | 2.60 ng | 114118 | Chrysene-d12 | 13.92 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane | 240 | C17H36 | 000629-78-7 | 62 |
| 2 | Heptacosane | 380 | C27H56 | 000593-49-7 | 58 |
| 3 | Tridecane, 1-iodo- | 310 | C13H27I | 035599-77-0 | 58 |
| 4 | Undecane, 5-methyl- | 170 | C12H26 | 001632-70-8 | 53 |
| 5 | Hexadecane | 226 | C16H34 | 000544-76-3 | 53 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
Data File : BF096246.D
Acq On : 28 Jun 2017 13:44
Operator : SJ/MA
Sample : I3912-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OK-03-062317

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.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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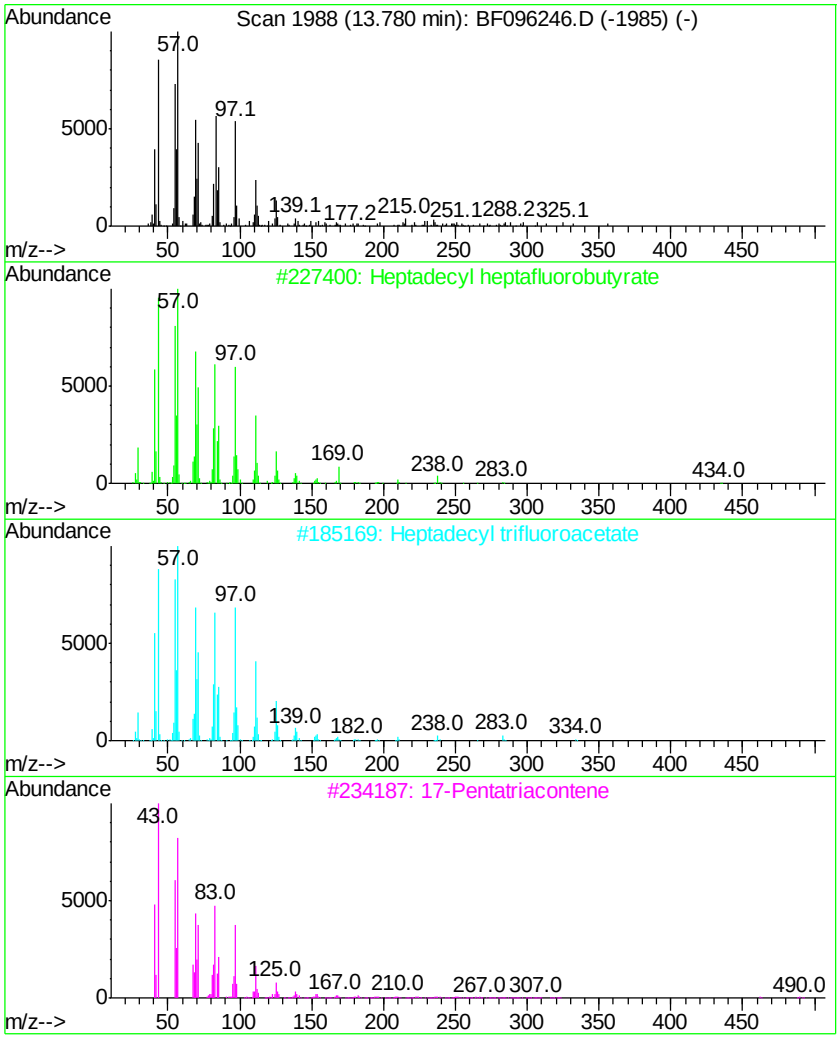
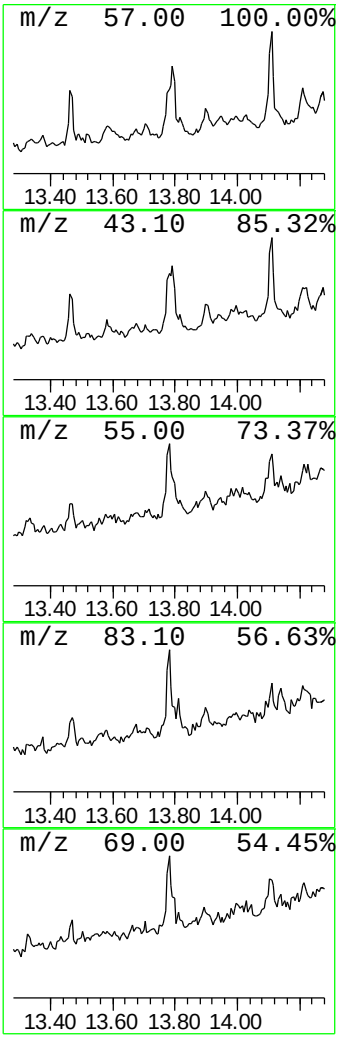
Peak Number 13 Heptadecyl heptafluorobutyrate Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.78 | 5.00 ng | 218975 | Chrysene-d12 | 13.92 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecyl heptafluorobutyrate | 452 | C21H35F7O2 | 959085-66-6 | 91 |
| 2 | Heptadecyl trifluoroacetate | 352 | C19H35F3O2 | 1000351-87-0 | 91 |
| 3 | 17-Pentatriacontene | 491 | C35H70 | 006971-40-0 | 91 |
| 4 | Trifluoroacetoxy hexadecane | 338 | C18H33F3O2 | 006222-03-3 | 91 |
| 5 | Pentafluoropropionic acid, hexad... | 388 | C19H33F5O2 | 006222-07-7 | 91 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
Data File : BF096246.D
Acq On : 28 Jun 2017 13:44
Operator : SJ/MA
Sample : I3912-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OK-03-062317

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.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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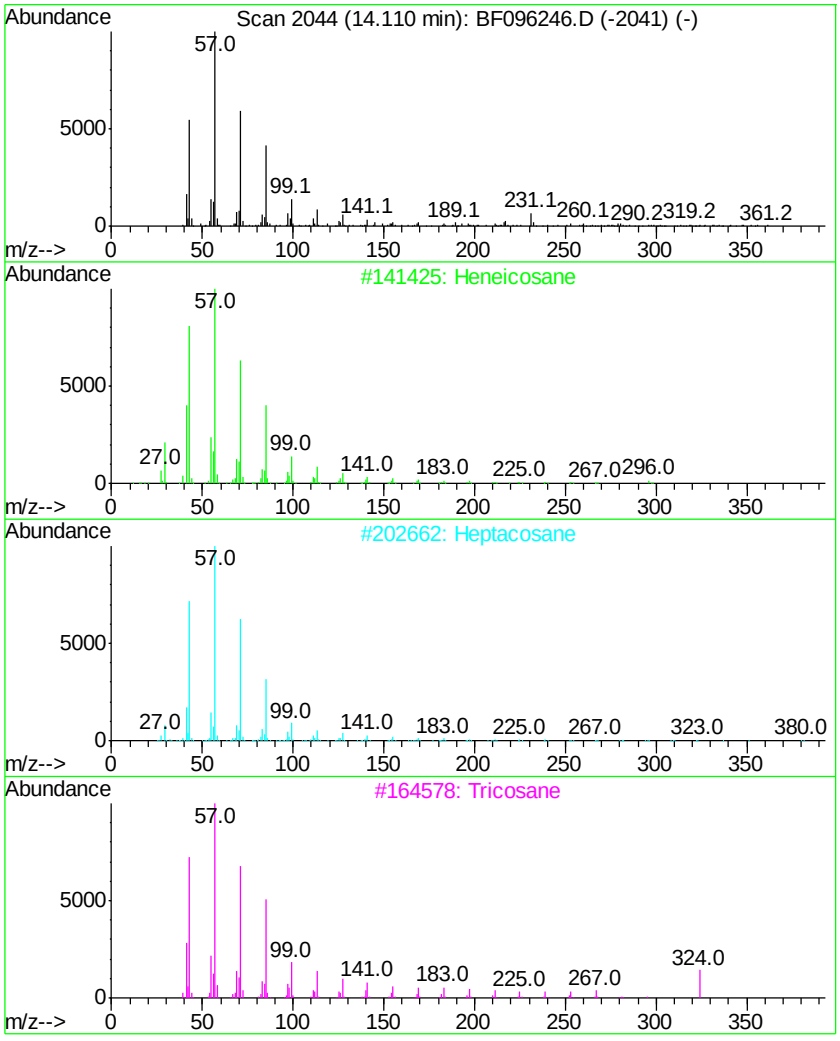
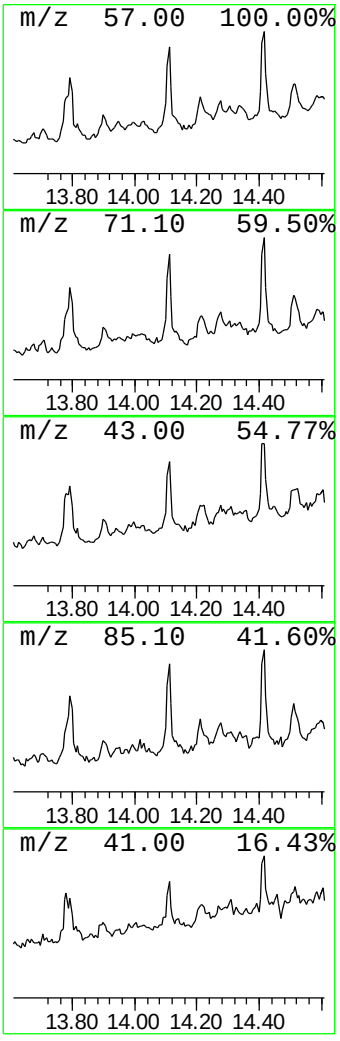
Peak Number 14 Heneicosane Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.11 | 5.36 ng | 235141 | Chrysene-d12 | 13.92 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 94 |
| 2 | Heptacosane | 380 | C27H56 | 000593-49-7 | 87 |
| 3 | Tricosane | 324 | C23H48 | 000638-67-5 | 87 |
| 4 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 83 |
| 5 | Docosane | 310 | C22H46 | 000629-97-0 | 80 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
Data File : BF096246.D
Acq On : 28 Jun 2017 13:44
Operator : SJ/MA
Sample : I3912-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OK-03-062317

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.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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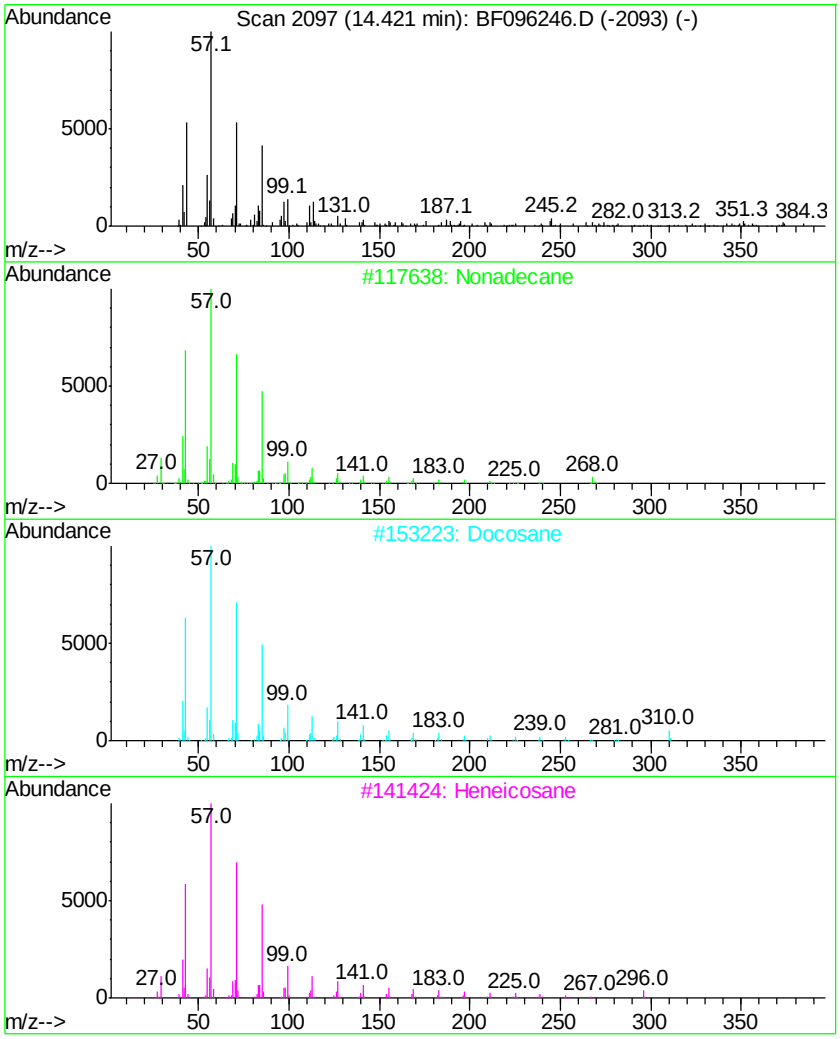
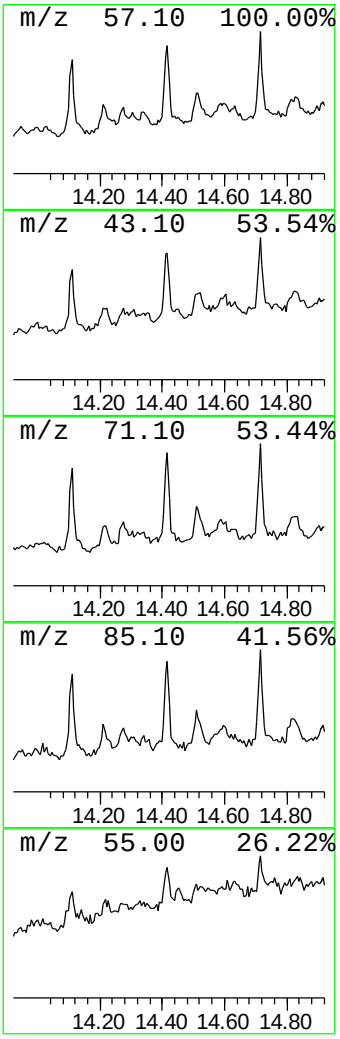
Peak Number 15 Nonadecane Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.42 | 7.32 ng | 321061 | Chrysene-d12 | 13.92 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonadecane | 268 | C19H40 | 000629-92-5 | 94 |
| 2 | Docosane | 310 | C22H46 | 000629-97-0 | 94 |
| 3 | Heneicosane | 296 | C21H44 | 000629-94-7 | 94 |
| 4 | Heptacosane | 380 | C27H56 | 000593-49-7 | 87 |
| 5 | Tridecane, 7-propyl- | 226 | C16H34 | 055045-09-5 | 87 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
Data File : BF096246.D
Acq On : 28 Jun 2017 13:44
Operator : SJ/MA
Sample : I3912-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OK-03-062317

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.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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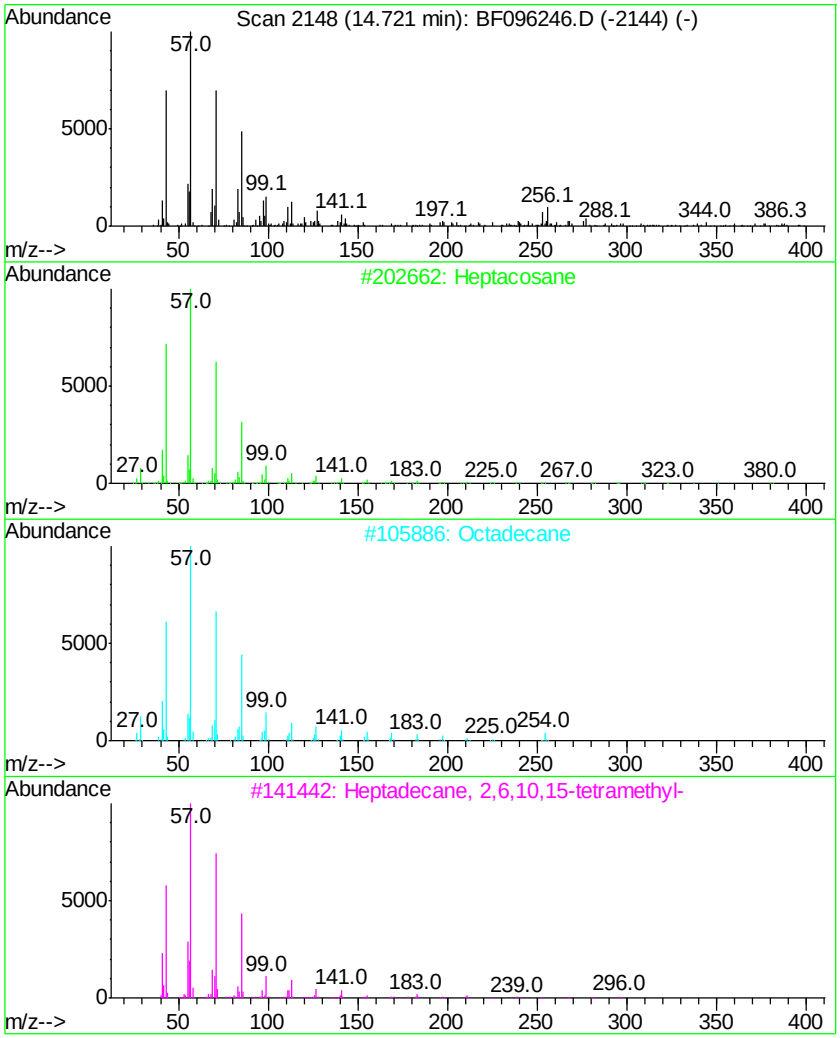
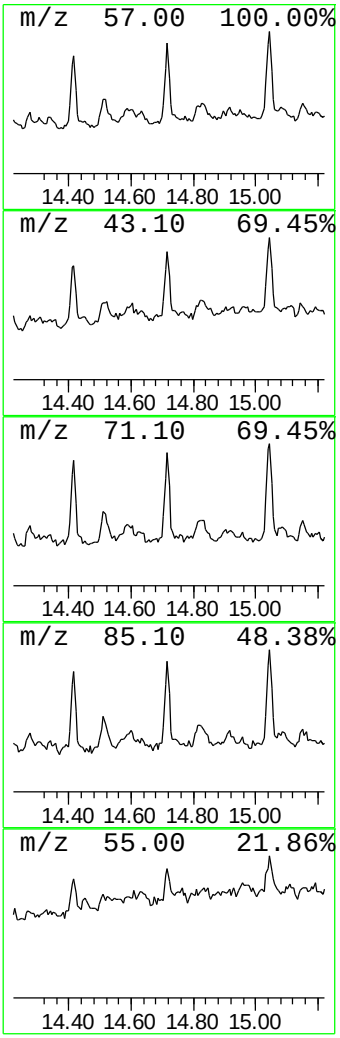
Peak Number 16 Heptacosane Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.72 | 13.55 ng | 469979 | Perylene-d12 | 15.36 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptacosane | 380 | C27H56 | 000593-49-7 | 87 |
| 2 | Octadecane | 254 | C18H38 | 000593-45-3 | 87 |
| 3 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 87 |
| 4 | Eicosane | 282 | C20H42 | 000112-95-8 | 87 |
| 5 | Tetratetracontane | 619 | C44H90 | 007098-22-8 | 86 |



# Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062817\
Data File : BF096246.D
Acq On : 28 Jun 2017 13:44
Operator : SJ/MA
Sample : I3912-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OK-03-062317

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.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... | 4.97 | 10.3 | ng | 477621 | 1 | 6.78 | 929177 | 20.0 |
| unknown6.55 | 6.55 | 46.4 | ng | 2157260 | 1 | 6.78 | 929177 | 20.0 |
| Tridecane | 10.73 | 3.5 | ng | 151210 | 4 | 11.29 | 869792 | 20.0 |
| Tetracosane | 11.17 | 2.3 | ng | 100583 | 4 | 11.29 | 869792 | 20.0 |
| Dodecane | 11.60 | 2.1 | ng | 91067 | 4 | 11.29 | 869792 | 20.0 |
| n-Hexadecanoic acid | 11.83 | 12.4 | ng | 537524 | 4 | 11.29 | 869792 | 20.0 |
| 7-Hexadecene, (Z)- | 12.53 | 2.7 | ng | 117943 | 4 | 11.29 | 869792 | 20.0 |
| Octadecanoic acid | 12.62 | 40.4 | ng | 1771670 | 5 | 13.92 | 876768 | 20.0 |
| Heptadecane | 13.12 | 2.6 | ng | 114118 | 5 | 13.92 | 876768 | 20.0 |
| Heptadecyl heptaf... | 13.78 | 5.0 | ng | 218975 | 5 | 13.92 | 876768 | 20.0 |
| Heneicosane | 14.11 | 5.4 | ng | 235141 | 5 | 13.92 | 876768 | 20.0 |
| Nonadecane | 14.42 | 7.3 | ng | 321061 | 5 | 13.92 | 876768 | 20.0 |
| Heptacosane | 14.72 | 13.6 | ng | 469979 | 6 | 15.36 | 693563 | 20.0 |