LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103416.D
Acq On : 5 Mar 2018 18:44
Operator : SJ/JU
Sample : J1751-15 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-030118-H

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-BF022218.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 | 5.498 | 577 | 580 | 614 | rBV | 1031384 | 1729807 | 21.17% | 2.402% |
| 2 | 6.510 | 749 | 752 | 771 | rBV | 1252257 | 1766078 | 21.62% | 2.453% |
| 3 | 6.645 | 771 | 775 | 781 | rVV | 1647060 | 1659955 | 20.32% | 2.305% |
| 4 | 6.869 | 810 | 813 | 829 | rBV | 987050 | 960139 | 11.75% | 1.333% |
| 5 | 7.028 | 836 | 840 | 852 | rVB | 1228371 | 1214098 | 14.86% | 1.686% |
| 6 | 7.434 | 906 | 909 | 917 | rBV | 918783 | 1084751 | 13.28% | 1.506% |
| 7 | 8.122 | 1023 | 1026 | 1028 | rBV | 160744 | 128466 | 1.57% | 0.178% |
| 8 | 8.157 | 1028 | 1032 | 1037 | rVV | 1313576 | 1312239 | 16.06% | 1.822% |
| 9 | 8.198 | 1037 | 1039 | 1042 | rVV | 111795 | 96942 | 1.19% | 0.135% |
| 10 | 8.434 | 1076 | 1079 | 1084 | rVB4 | 78251 | 107050 | 1.31% | 0.149% |
| 11 | 8.728 | 1124 | 1129 | 1134 | rBV | 269988 | 272932 | 3.34% | 0.379% |
| 12 | 8.969 | 1168 | 1170 | 1175 | rBV2 | 174672 | 172236 | 2.11% | 0.239% |
| 13 | 9.092 | 1188 | 1191 | 1194 | rBV2 | 106866 | 113091 | 1.38% | 0.157% |
| 14 | 9.228 | 1210 | 1214 | 1218 | rBV | 1836215 | 1566488 | 19.17% | 2.175% |
| 15 | 9.298 | 1222 | 1226 | 1229 | rBV | 387001 | 358905 | 4.39% | 0.498% |
| 16 | 9.498 | 1255 | 1260 | 1264 | rBV3 | 145876 | 226039 | 2.77% | 0.314% |
| 17 | 9.569 | 1269 | 1272 | 1275 | rVV | 245604 | 278976 | 3.41% | 0.387% |
| 18 | 9.616 | 1275 | 1280 | 1287 | rVV3 | 309736 | 581241 | 7.11% | 0.807% |
| 19 | 9.686 | 1288 | 1292 | 1300 | rVB2 | 172952 | 332808 | 4.07% | 0.462% |
| 20 | 9.775 | 1303 | 1307 | 1311 | rBV2 | 208653 | 261450 | 3.20% | 0.363% |
| 21 | 9.828 | 1311 | 1316 | 1320 | rVB | 423167 | 418983 | 5.13% | 0.582% |
| 22 | 9.916 | 1328 | 1331 | 1334 | rVV | 1379424 | 1210723 | 14.82% | 1.681% |
| 23 | 9.945 | 1334 | 1336 | 1339 | rVB | 204606 | 169098 | 2.07% | 0.235% |
| 24 | 10.022 | 1344 | 1349 | 1352 | rBV3 | 104322 | 165459 | 2.03% | 0.230% |
| 25 | 10.057 | 1352 | 1355 | 1358 | rBV3 | 92412 | 127149 | 1.56% | 0.177% |
| 26 | 10.116 | 1361 | 1365 | 1368 | rVB3 | 185617 | 211097 | 2.58% | 0.293% |
| 27 | 10.151 | 1368 | 1371 | 1375 | rVB3 | 209599 | 227048 | 2.78% | 0.315% |
| 28 | 10.228 | 1380 | 1384 | 1387 | rBV | 227686 | 269025 | 3.29% | 0.374% |
| 29 | 10.257 | 1387 | 1389 | 1393 | rVB2 | 126628 | 107749 | 1.32% | 0.150% |
| 30 | 10.328 | 1396 | 1401 | 1405 | rBV3 | 502622 | 567647 | 6.95% | 0.788% |
| 31 | 10.463 | 1421 | 1424 | 1430 | rVB3 | 335089 | 374900 | 4.59% | 0.521% |
| 32 | 10.545 | 1433 | 1438 | 1441 | rVB3 | 239501 | 304317 | 3.72% | 0.423% |
| 33 | 10.710 | 1462 | 1466 | 1472 | rBV3 | 830039 | 885544 | 10.84% | 1.230% |
| 34 | 10.798 | 1479 | 1481 | 1492 | rVB2 | 466640 | 694627 | 8.50% | 0.965% |

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103416.D
Acq On : 5 Mar 2018 18:44
Operator : SJ/JU
Sample : J1751-15 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-030118-H

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-BF022218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 10.904 | 1496 | 1499 | 1501 | rBV2 | 106565 | 113255 | 1.39% | 0.157% |
| 36 | 11.010 | 1512 | 1517 | 1520 | rBV3 | 232935 | 349159 | 4.27% | 0.485% |
| 37 | 11.045 | 1520 | 1523 | 1528 | rVV2 | 155046 | 201036 | 2.46% | 0.279% |
| 38 | 11.098 | 1529 | 1532 | 1534 | rVB2 | 175089 | 181134 | 2.22% | 0.252% |
| 39 | 11.122 | 1534 | 1536 | 1538 | rBV2 | 116129 | 124522 | 1.52% | 0.173% |
| 40 | 11.251 | 1555 | 1558 | 1560 | rBV | 456055 | 367342 | 4.50% | 0.510% |
| 41 | 11.280 | 1560 | 1563 | 1565 | rVV | 147322 | 157800 | 1.93% | 0.219% |
| 42 | 11.304 | 1565 | 1567 | 1571 | rVB | 260483 | 217597 | 2.66% | 0.302% |
| 43 | 11.410 | 1581 | 1585 | 1587 | rBV | 1203624 | 1126877 | 13.79% | 1.565% |
| 44 | 11.433 | 1587 | 1589 | 1593 | rVV | 1611380 | 1442420 | 17.65% | 2.003% |
| 45 | 11.486 | 1595 | 1598 | 1601 | rVV | 599397 | 555306 | 6.80% | 0.771% |
| 46 | 11.522 | 1602 | 1604 | 1606 | rVV | 169514 | 156433 | 1.91% | 0.217% |
| 47 | 11.563 | 1609 | 1611 | 1617 | rVV4 | 107281 | 181693 | 2.22% | 0.252% |
| 48 | 11.651 | 1620 | 1626 | 1628 | rVV3 | 135652 | 220181 | 2.69% | 0.306% |
| 49 | 11.680 | 1628 | 1631 | 1633 | rVV | 318968 | 323067 | 3.95% | 0.449% |
| 50 | 11.739 | 1638 | 1641 | 1644 | rVV | 307019 | 301006 | 3.68% | 0.418% |
| 51 | 11.786 | 1644 | 1649 | 1652 | rVB | 3670204 | 3435561 | 42.05% | 4.771% |
| 52 | 11.827 | 1652 | 1656 | 1660 | rBV | 161338 | 208611 | 2.55% | 0.290% |
| 53 | 11.927 | 1667 | 1673 | 1679 | rBV3 | 1053013 | 2288862 | 28.01% | 3.179% |
| 54 | 11.992 | 1681 | 1684 | 1686 | rVV | 357432 | 350642 | 4.29% | 0.487% |
| 55 | 12.027 | 1686 | 1690 | 1692 | rVV2 | 922081 | 1043562 | 12.77% | 1.449% |
| 56 | 12.051 | 1692 | 1694 | 1697 | rVB | 485197 | 408558 | 5.00% | 0.567% |
| 57 | 12.086 | 1697 | 1700 | 1702 | rBV | 271162 | 209986 | 2.57% | 0.292% |
| 58 | 12.145 | 1707 | 1710 | 1713 | rVB | 170757 | 145709 | 1.78% | 0.202% |
| 59 | 12.204 | 1718 | 1720 | 1723 | rVV | 367127 | 374253 | 4.58% | 0.520% |
| 60 | 12.239 | 1724 | 1726 | 1731 | rVB2 | 283149 | 305096 | 3.73% | 0.424% |
| 61 | 12.339 | 1740 | 1743 | 1744 | rVV3 | 189930 | 162411 | 1.99% | 0.226% |
| 62 | 12.357 | 1744 | 1746 | 1749 | rVV2 | 212418 | 199600 | 2.44% | 0.277% |
| 63 | 12.386 | 1749 | 1751 | 1753 | rVV | 239190 | 204973 | 2.51% | 0.285% |
| 64 | 12.410 | 1753 | 1755 | 1758 | rVB3 | 205090 | 198270 | 2.43% | 0.275% |
| 65 | 12.486 | 1761 | 1768 | 1769 | rBV2 | 4660102 | 8170330 | 100.00% | 11.346% |
| 66 | 12.504 | 1769 | 1771 | 1776 | rVV2 | 4669413 | 5623509 | 68.83% | 7.809% |
| 67 | 12.574 | 1776 | 1783 | 1788 | rVB2 | 2038682 | 2320380 | 28.40% | 3.222% |
| 68 | 12.633 | 1788 | 1793 | 1797 | rBV | 1834990 | 2061181 | 25.23% | 2.862% |
| 69 | 12.669 | 1797 | 1799 | 1801 | rVV | 247807 | 250180 | 3.06% | 0.347% |
| 70 | 12.716 | 1801 | 1807 | 1812 | rVV3 | 883038 | 1359668 | 16.64% | 1.888% |
| 71 | 12.786 | 1816 | 1819 | 1821 | rVV | 330132 | 343097 | 4.20% | 0.476% |

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103416.D
Acq On : 5 Mar 2018 18:44
Operator : SJ/JU
Sample : J1751-15 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-030118-H

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-BF022218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 12.810 | 1821 | 1823 | 1827 | rVV | 304837 | 343196 | 4.20% | 0.477% |
| 73 | 12.869 | 1827 | 1833 | 1838 | rVV | 2157712 | 2836292 | 34.71% | 3.939% |
| 74 | 12.916 | 1838 | 1841 | 1844 | rVB | 289111 | 289244 | 3.54% | 0.402% |
| 75 | 12.998 | 1851 | 1855 | 1857 | rVB | 1018369 | 955539 | 11.70% | 1.327% |
| 76 | 13.021 | 1857 | 1859 | 1864 | rVB2 | 164911 | 169638 | 2.08% | 0.236% |
| 77 | 13.086 | 1865 | 1870 | 1875 | rBV4 | 338300 | 620840 | 7.60% | 0.862% |
| 78 | 13.139 | 1875 | 1879 | 1881 | rBV2 | 333713 | 344459 | 4.22% | 0.478% |
| 79 | 13.192 | 1881 | 1888 | 1892 | rBV3 | 509181 | 921789 | 11.28% | 1.280% |
| 80 | 13.257 | 1897 | 1899 | 1902 | rVB | 358371 | 296321 | 3.63% | 0.411% |
| 81 | 13.298 | 1903 | 1906 | 1909 | rVV | 686472 | 628636 | 7.69% | 0.873% |
| 82 | 13.392 | 1919 | 1922 | 1924 | rBV | 462378 | 363328 | 4.45% | 0.505% |
| 83 | 13.421 | 1924 | 1927 | 1930 | rVB | 435122 | 346884 | 4.25% | 0.482% |
| 84 | 13.710 | 1973 | 1976 | 1978 | rBV | 161596 | 159664 | 1.95% | 0.222% |
| 85 | 13.816 | 1989 | 1994 | 1996 | rBV2 | 390923 | 507278 | 6.21% | 0.704% |
| 86 | 13.839 | 1996 | 1998 | 2001 | rVV | 273337 | 228078 | 2.79% | 0.317% |
| 87 | 13.874 | 2001 | 2004 | 2006 | rVV3 | 275170 | 333511 | 4.08% | 0.463% |
| 88 | 13.916 | 2009 | 2011 | 2014 | rVV | 160578 | 152994 | 1.87% | 0.212% |
| 89 | 13.974 | 2018 | 2021 | 2024 | rBV2 | 192788 | 283614 | 3.47% | 0.394% |
| 90 | 14.063 | 2032 | 2036 | 2040 | rBV2 | 1155307 | 1908013 | 23.35% | 2.650% |
| 91 | 14.098 | 2040 | 2042 | 2048 | rVB | 1054000 | 928214 | 11.36% | 1.289% |
| 92 | 14.174 | 2053 | 2055 | 2057 | rBV | 160336 | 130114 | 1.59% | 0.181% |
| 93 | 14.457 | 2101 | 2103 | 2107 | rVB | 308257 | 259768 | 3.18% | 0.361% |
| 94 | 14.492 | 2107 | 2109 | 2113 | rVB | 240637 | 210851 | 2.58% | 0.293% |
| 95 | 14.586 | 2123 | 2125 | 2127 | rBV | 232495 | 237705 | 2.91% | 0.330% |
| 96 | 14.939 | 2182 | 2185 | 2188 | rBV | 241861 | 315878 | 3.87% | 0.439% |
| 97 | 15.139 | 2215 | 2219 | 2222 | rBV | 525787 | 886840 | 10.85% | 1.232% |
| 98 | 15.451 | 2269 | 2272 | 2278 | rVB | 431735 | 503674 | 6.16% | 0.699% |
| 99 | 15.521 | 2280 | 2284 | 2290 | rVB | 561678 | 759833 | 9.30% | 1.055% |
| 100 | 15.580 | 2291 | 2294 | 2297 | rBV | 377178 | 447980 | 5.48% | 0.622% |

Sum of corrected areas: 72010499

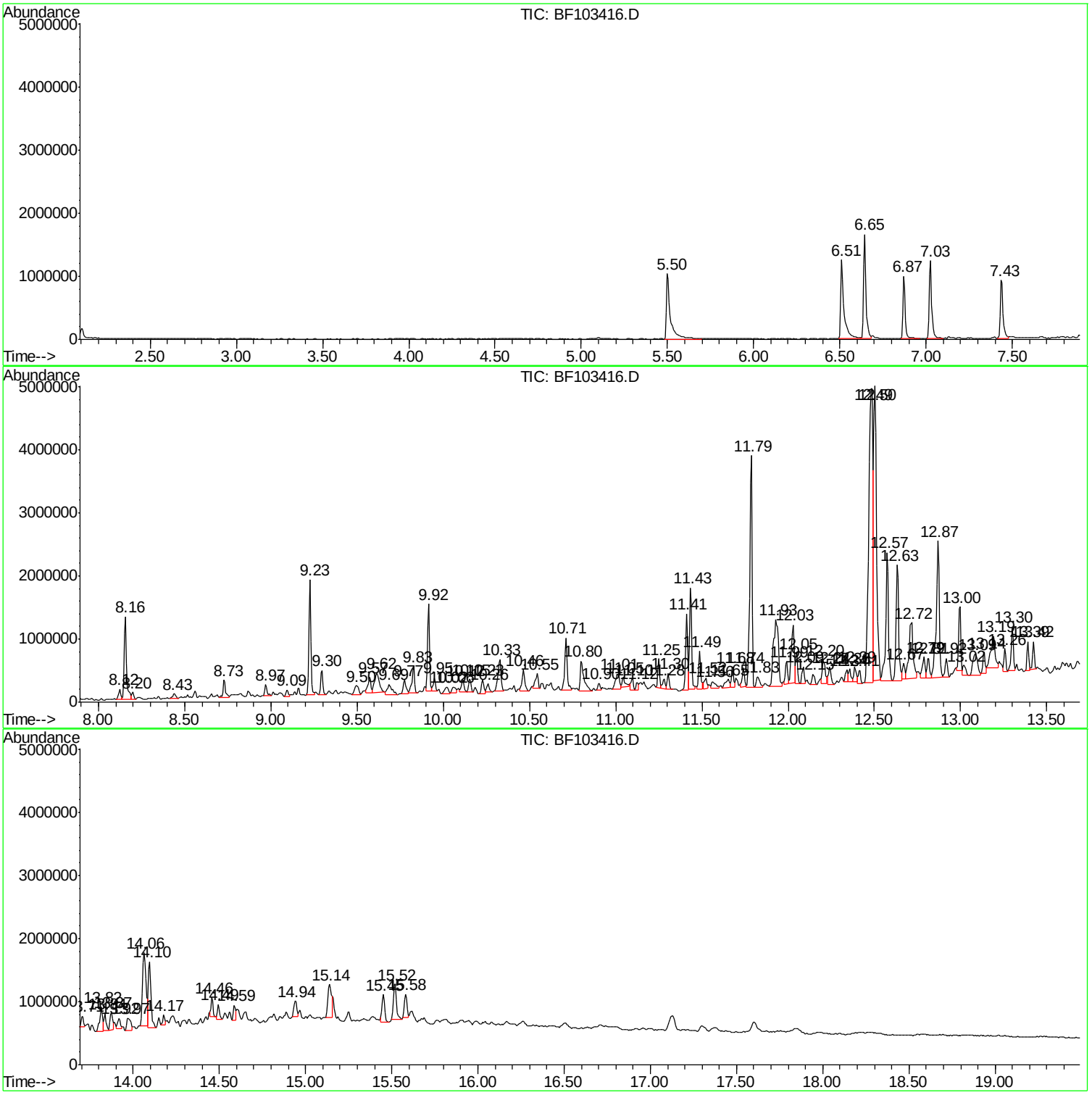
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103416.D
Acq On : 5 Mar 2018 18:44
Operator : SJ/JU
Sample : J1751-15 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-030118-H

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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 : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103416.D
Acq On : 5 Mar 2018 18:44
Operator : SJ/JU
Sample : J1751-15 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-030118-H

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

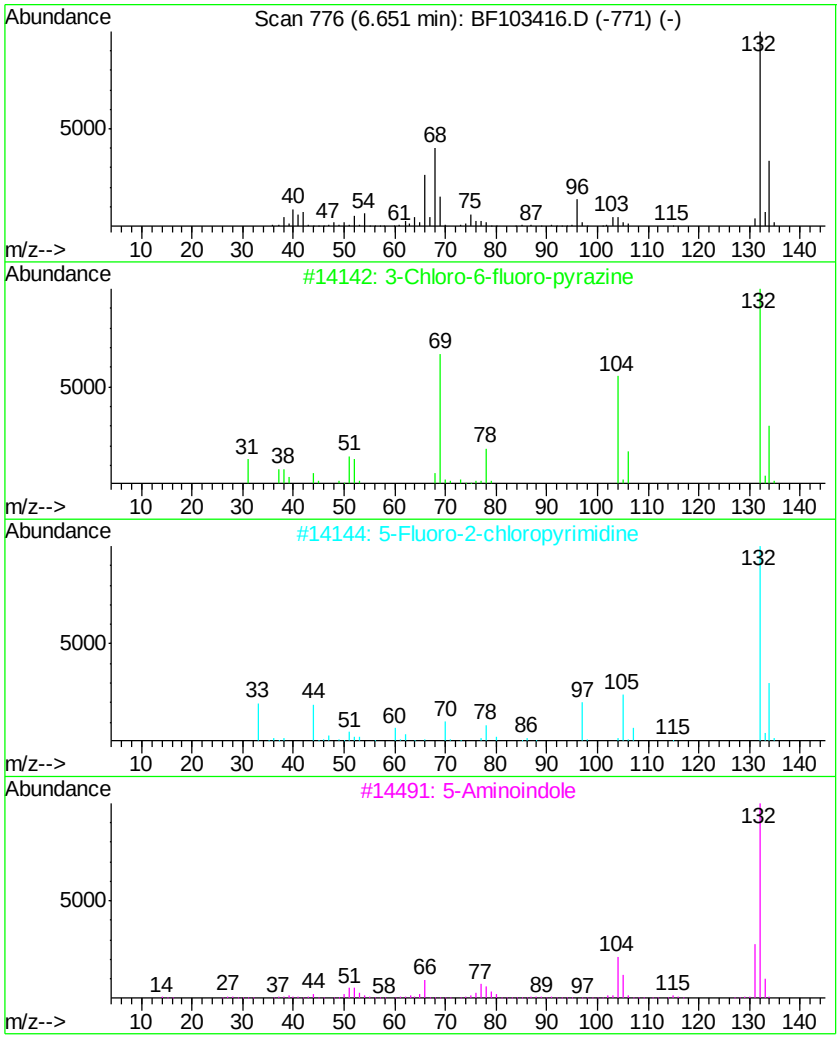
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

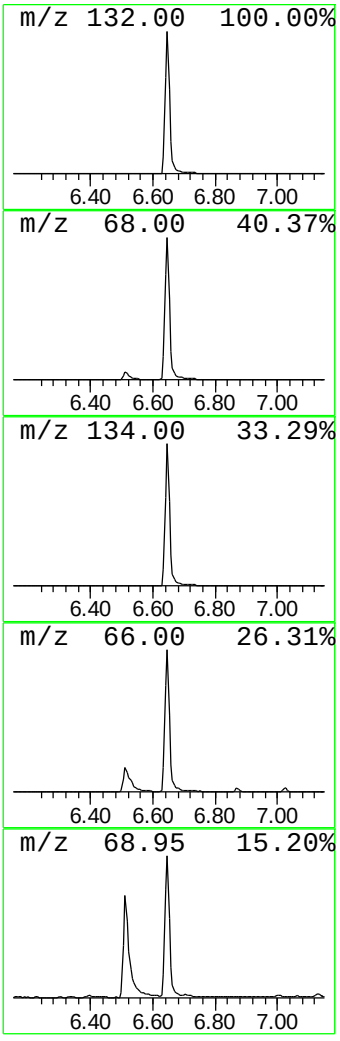
**********

Peak Number 1 unknown6.65 Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.65 | 34.58 ng | 1659960 | 1,4-Dichlorobenzene-d4 | 6.87 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 16 |
| 3 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |
| 4 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 5 | Amphetaminil | 250 | C17H18N2 | 017590-01-1 | 10 |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103416.D
Acq On : 5 Mar 2018 18:44
Operator : SJ/JU
Sample : J1751-15 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-030118-H

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

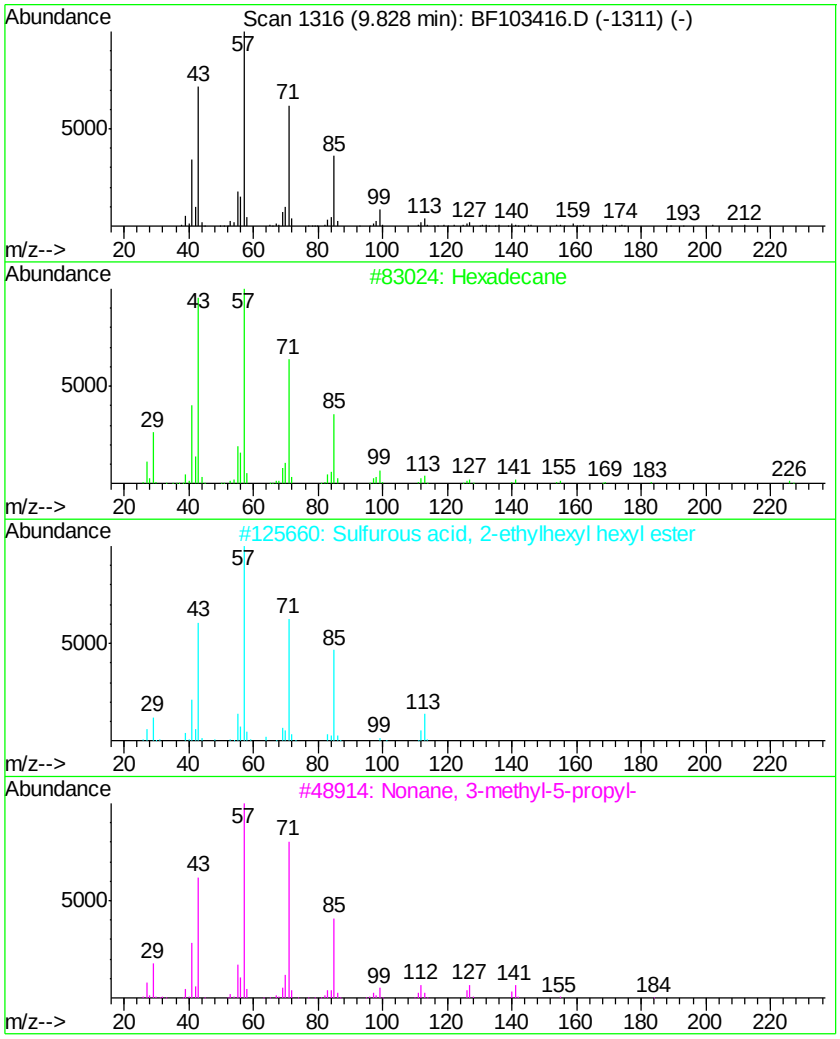
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

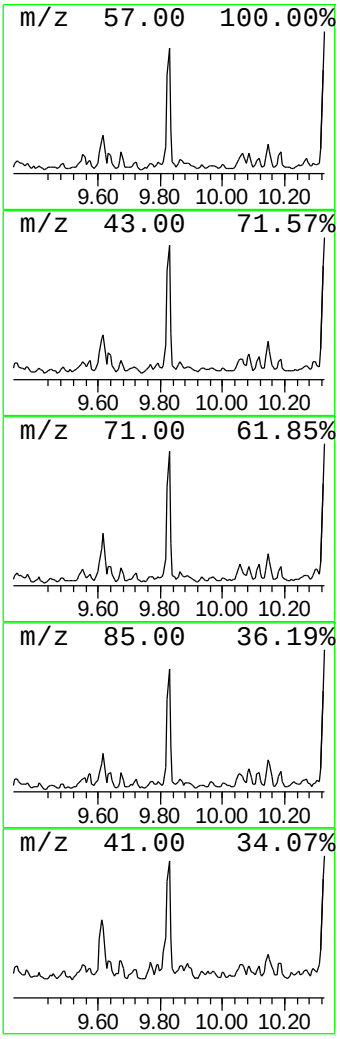
**********

Peak Number 3 Hexadecane Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.83 | 6.92 ng | 418983 | Acenaphthene-d10 | 9.92 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 90 |
| 2 | Sulfurous acid, 2-ethylhexyl hex... | 278 | C14H30O3S | 1000309-20-2 | 86 |
| 3 | Nonane, 3-methyl-5-propyl- | 184 | C13H28 | 031081-18-2 | 78 |
| 4 | Dodecane, 2,7,10-trimethyl- | 212 | C15H32 | 074645-98-0 | 64 |
| 5 | Nonane, 3,7-dimethyl- | 156 | C11H24 | 017302-32-8 | 64 |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103416.D
Acq On : 5 Mar 2018 18:44
Operator : SJ/JU
Sample : J1751-15 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-030118-H

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

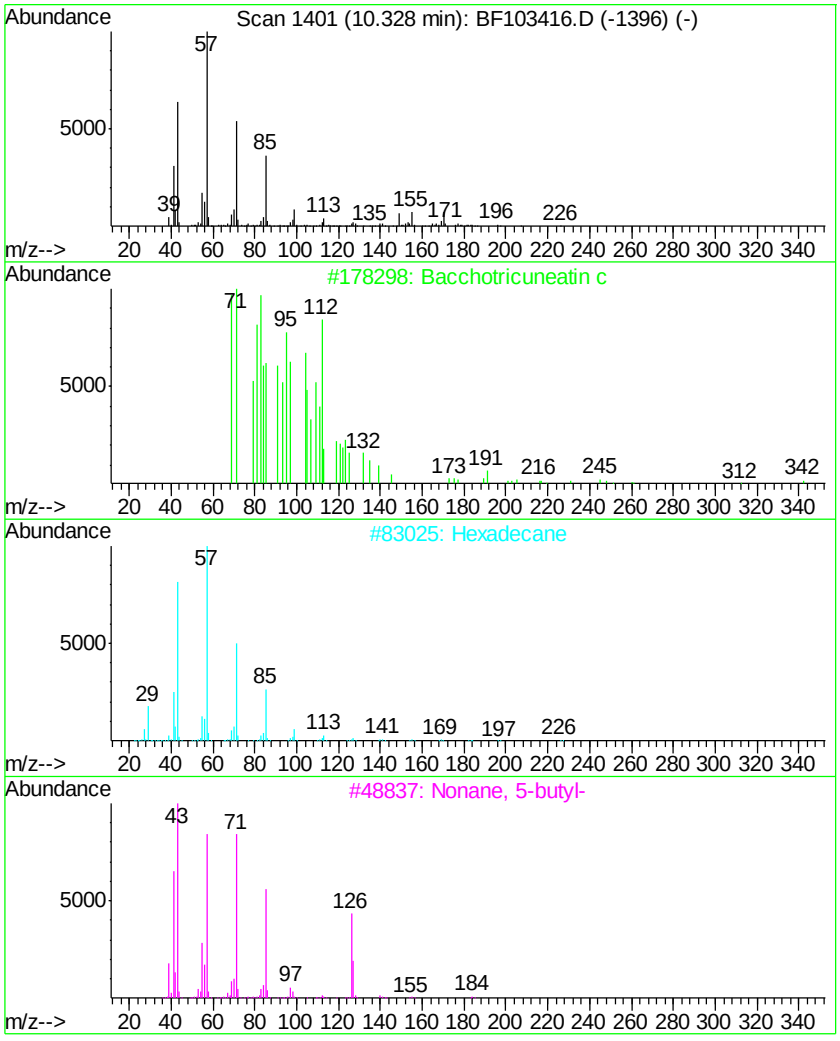
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

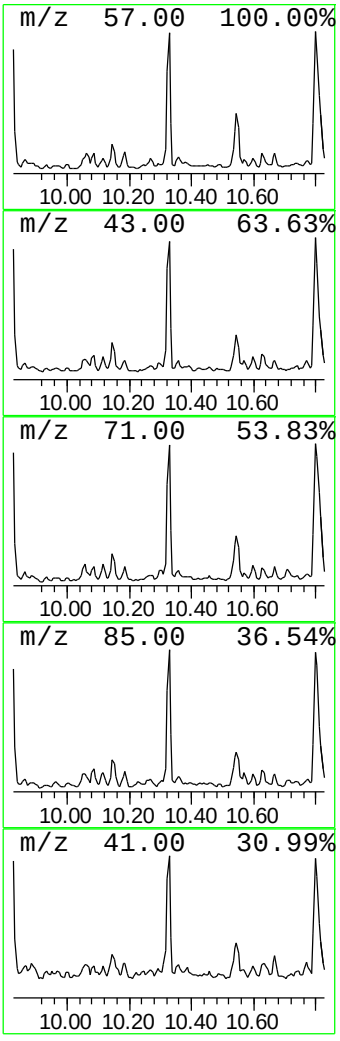
**********

Peak Number 4 Bacchotricuneatin c Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.33 | 9.38 ng | 567647 | Acenaphthene-d10 | 9.92 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Bacchotricuneatin c | 342 | C20H22O5 | 066563-30-2 | 98 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 95 |
| 3 | Nonane, 5-butyl- | 184 | C13H28 | 017312-63-9 | 86 |
| 4 | Sulfurous acid, 2-ethylhexyl hex... | 278 | C14H30O3S | 1000309-20-2 | 72 |
| 5 | Dodecane | 170 | C12H26 | 000112-40-3 | 72 |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103416.D
Acq On : 5 Mar 2018 18:44
Operator : SJ/JU
Sample : J1751-15 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-030118-H

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

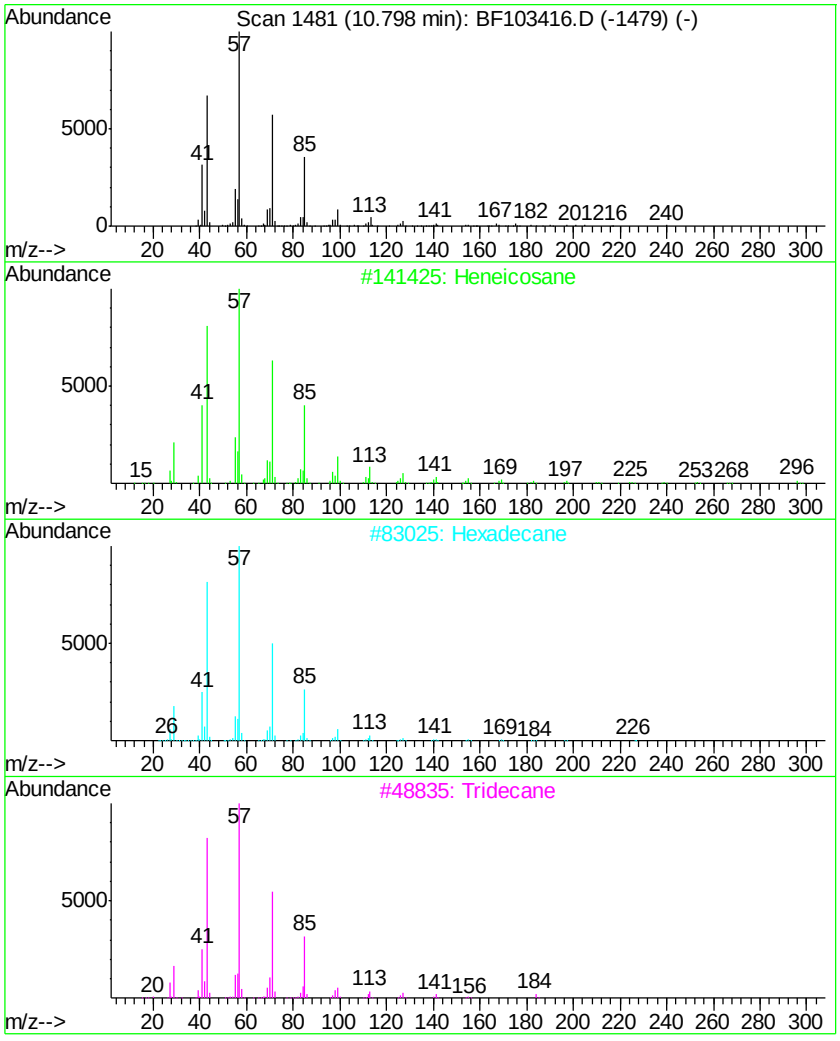
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

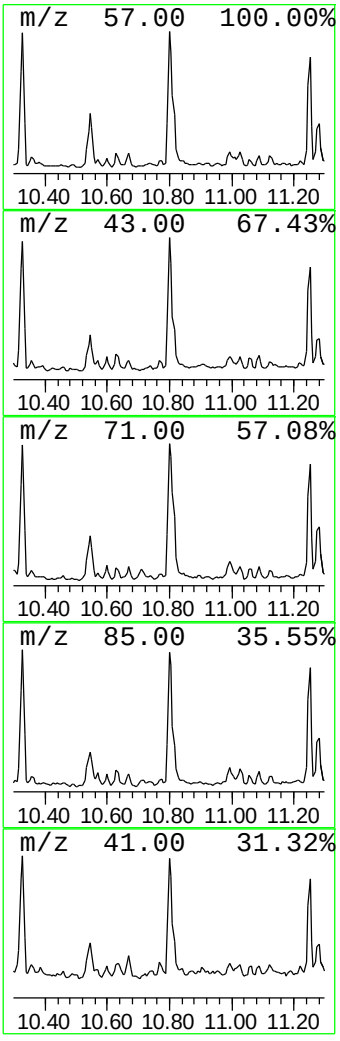
**********

Peak Number 5 Heneicosane Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.80 | 12.33 ng | 694627 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 87 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 87 |
| 3 | Tridecane | 184 | C13H28 | 000629-50-5 | 86 |
| 4 | Sulfurous acid, 2-ethylhexyl hex... | 278 | C14H30O3S | 1000309-20-2 | 80 |
| 5 | Bacchotricuneatin c | 342 | C20H22O5 | 066563-30-2 | 76 |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103416.D
Acq On : 5 Mar 2018 18:44
Operator : SJ/JU
Sample : J1751-15 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-030118-H

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

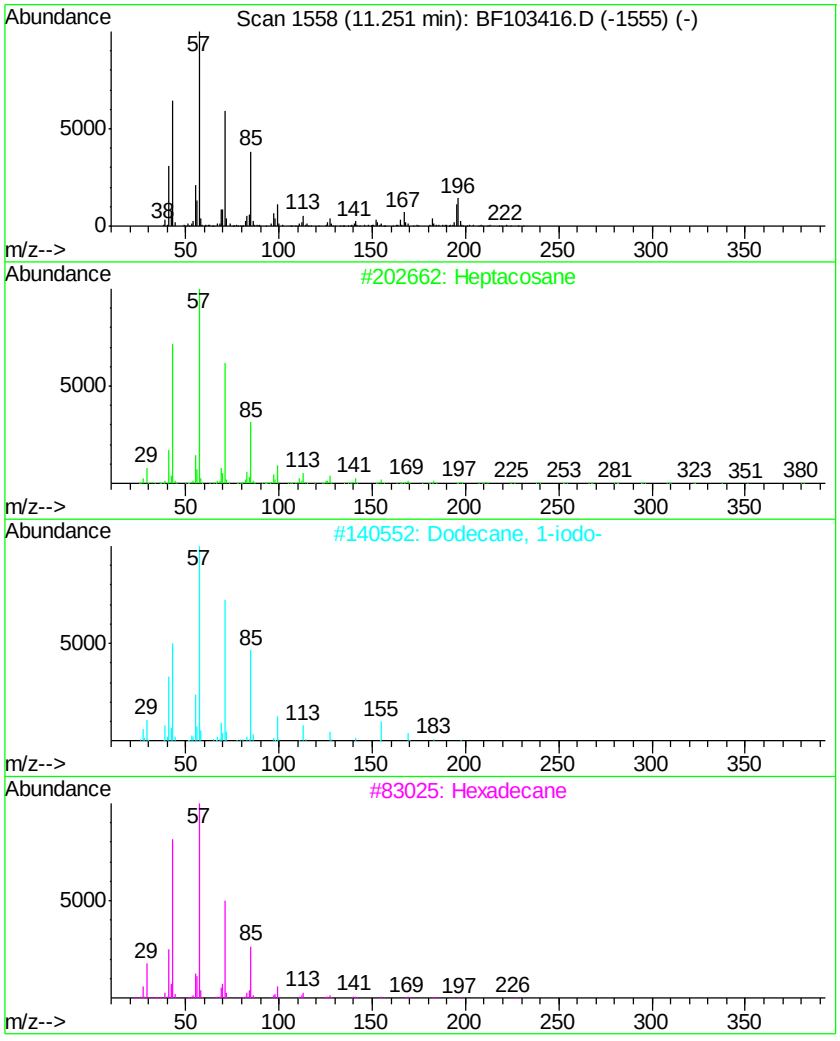
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

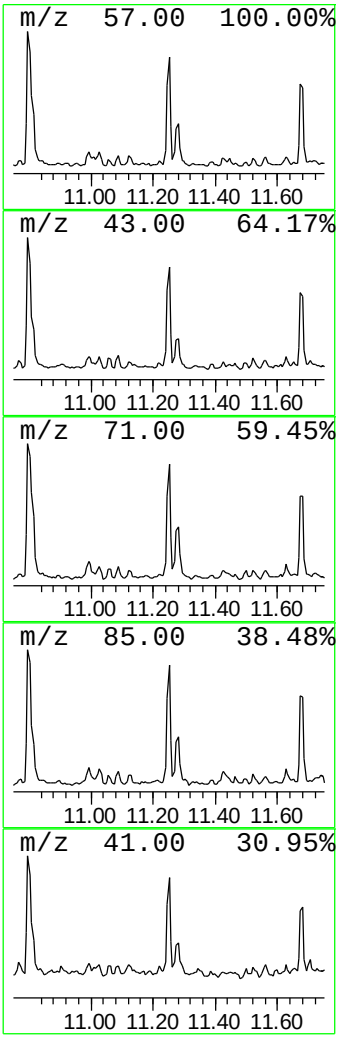
**********

Peak Number 6 Heptacosane Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.25 | 6.52 ng | 367342 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptacosane | 380 | C27H56 | 000593-49-7 | 68 |
| 2 | Dodecane, 1-iodo- | 296 | C12H25I | 004292-19-7 | 64 |
| 3 | Hexadecane | 226 | C16H34 | 000544-76-3 | 64 |
| 4 | Tetradecane | 198 | C14H30 | 000629-59-4 | 64 |
| 5 | Pentadecane | 212 | C15H32 | 000629-62-9 | 64 |



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Acq On : 5 Mar 2018 18:44
Operator : SJ/JU
Sample : J1751-15 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-030118-H

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

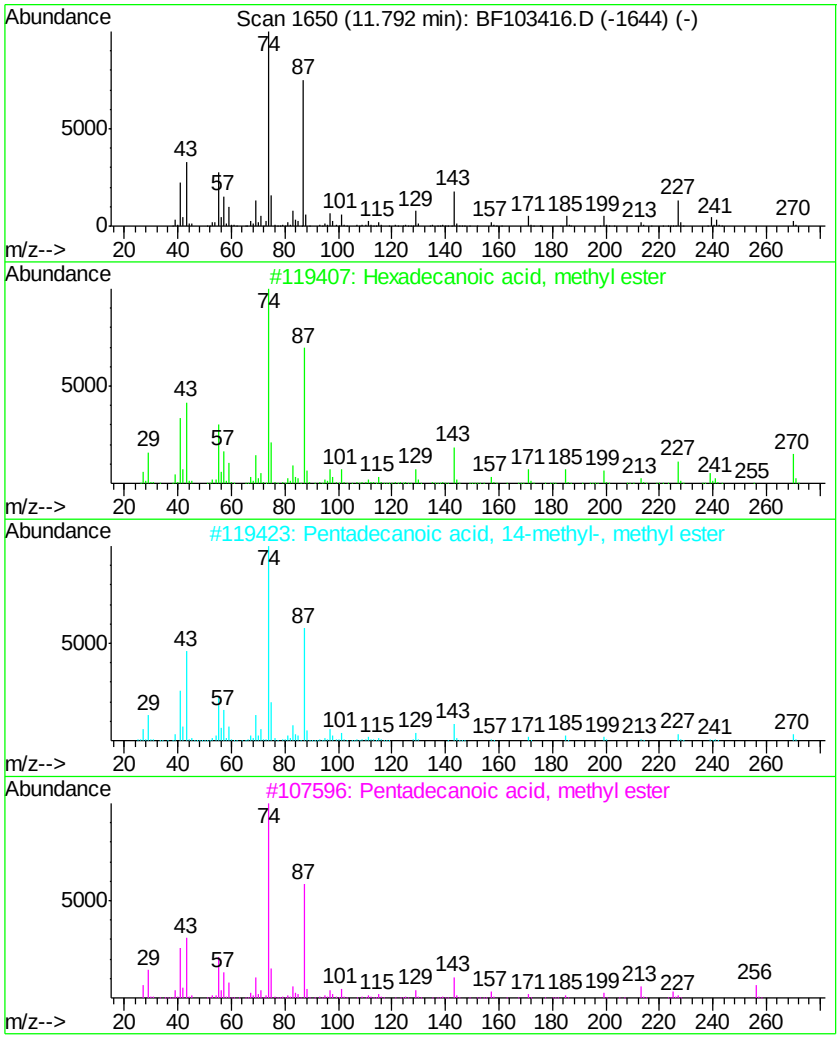
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

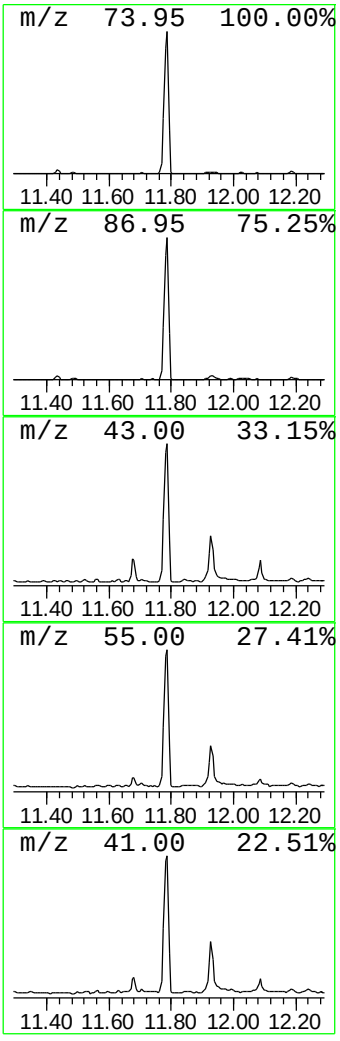
**********

Peak Number 7 Hexadecanoic acid, methyl e... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.79 | 60.97 ng | 3435560 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecanoic acid, methyl ester | 270 | C17H34O2 | 000112-39-0 | 94 |
| 2 | Pentadecanoic acid, 14-methyl-, ... | 270 | C17H34O2 | 005129-60-2 | 91 |
| 3 | Pentadecanoic acid, methyl ester | 256 | C16H32O2 | 007132-64-1 | 90 |
| 4 | Dodecanoic acid, methyl ester | 214 | C13H26O2 | 000111-82-0 | 86 |
| 5 | Methyl tetradecanoate | 242 | C15H30O2 | 000124-10-7 | 86 |



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Operator : SJ/JU
Sample : J1751-15 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-030118-H

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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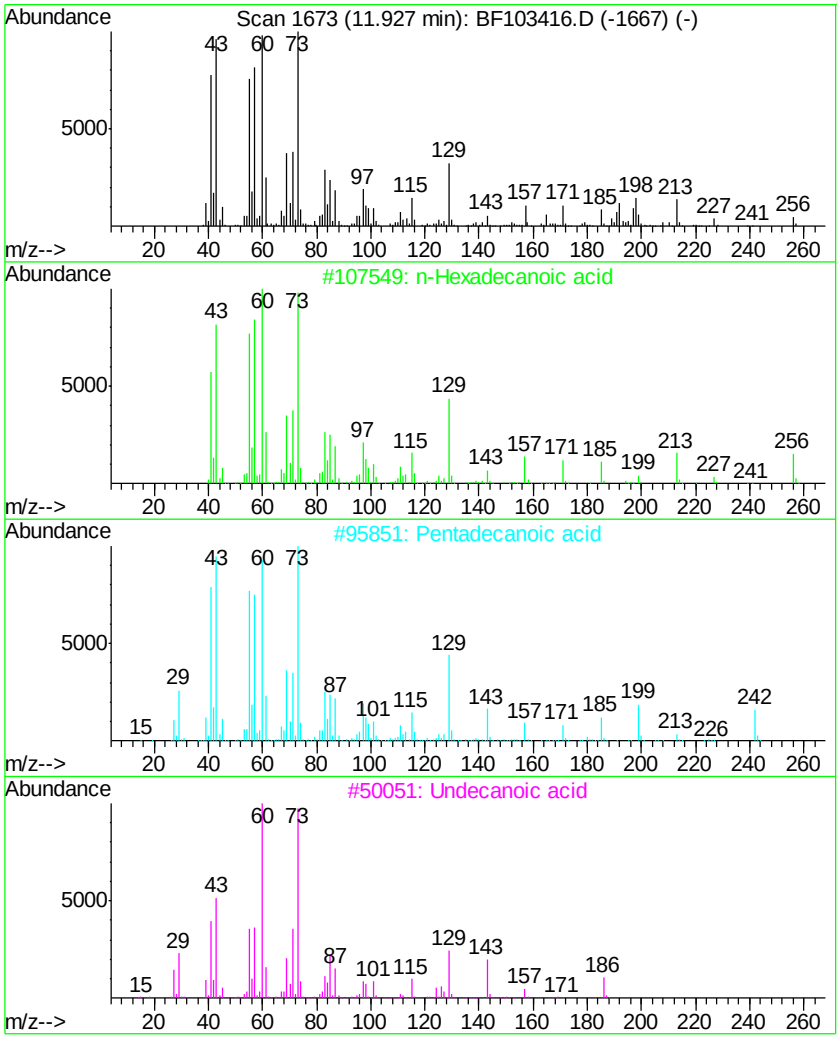
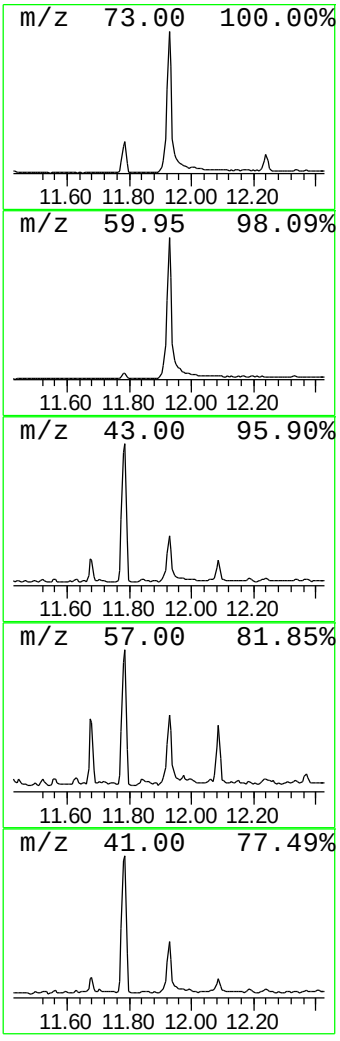
Peak Number 8 n-Hexadecanoic acid Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.93 | 40.62 ng | 2288860 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 2 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 81 |
| 3 | Undecanoic acid | 186 | C11H22O2 | 000112-37-8 | 74 |
| 4 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 72 |
| 5 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 70 |



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Data File : BF103416.D
Acq On : 5 Mar 2018 18:44
Operator : SJ/JU
Sample : J1751-15 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-030118-H

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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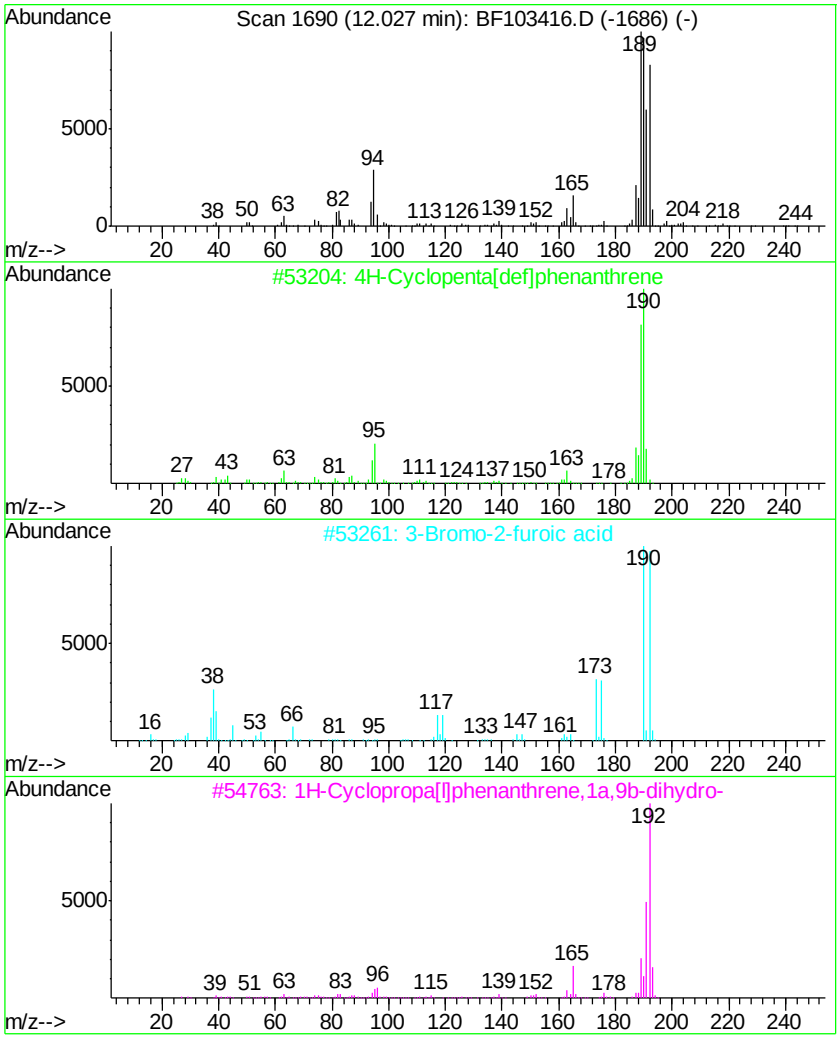
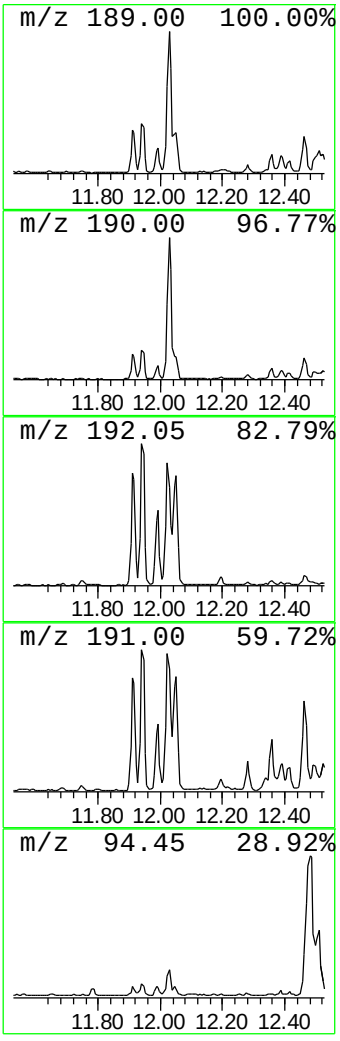
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.03 | 18.52 ng | 1043560 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 55 |
| 2 | 3-Bromo-2-furoic acid | 190 | C5H3BrO3 | 014903-90-3 | 38 |
| 3 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 38 |
| 4 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 38 |
| 5 | 2-Bromo-4-fluorophenol | 190 | C6H4BrFO | 000496-69-5 | 35 |



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Operator : SJ/JU
Sample : J1751-15 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-030118-H

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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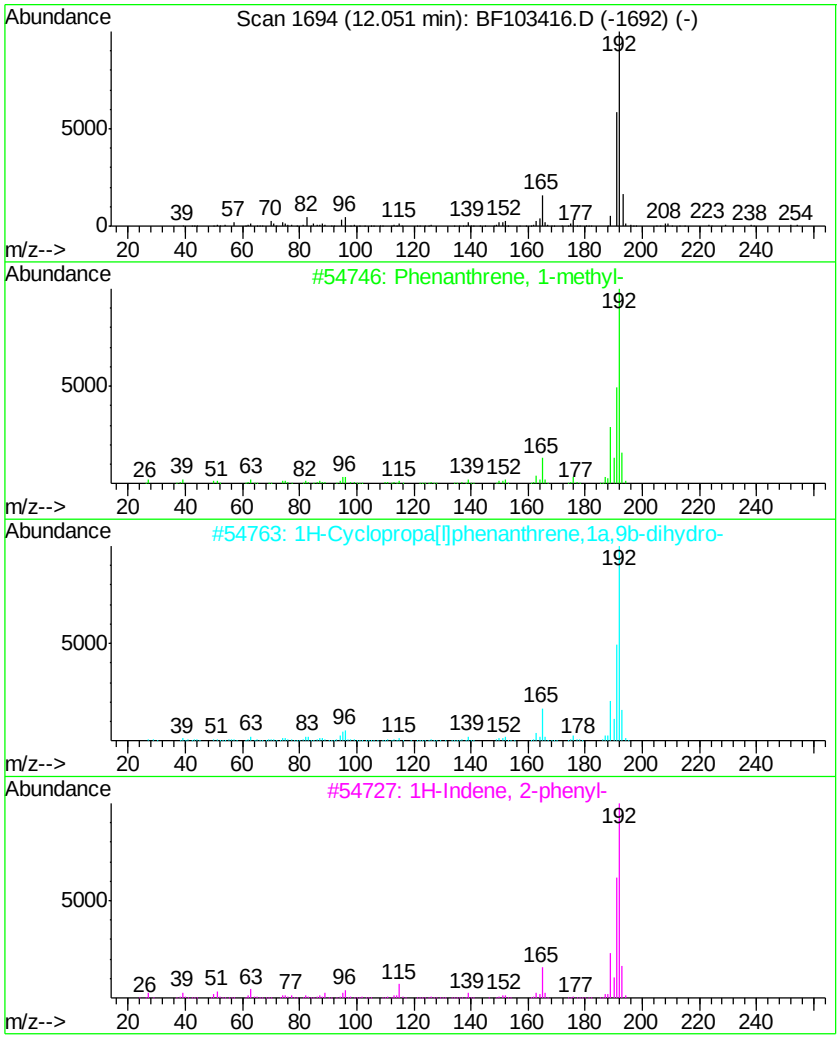
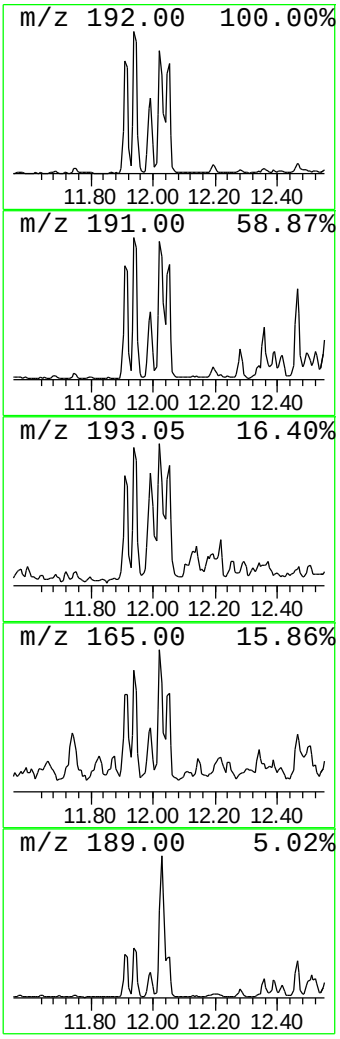
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.05 | 7.25 ng | 408558 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 93 |
| 2 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 90 |
| 3 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 90 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 90 |
| 5 | 1H-Indene, 1-phenyl- | 192 | C15H12 | 001961-96-2 | 90 |



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Acq On : 5 Mar 2018 18:44
Operator : SJ/JU
Sample : J1751-15 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-030118-H

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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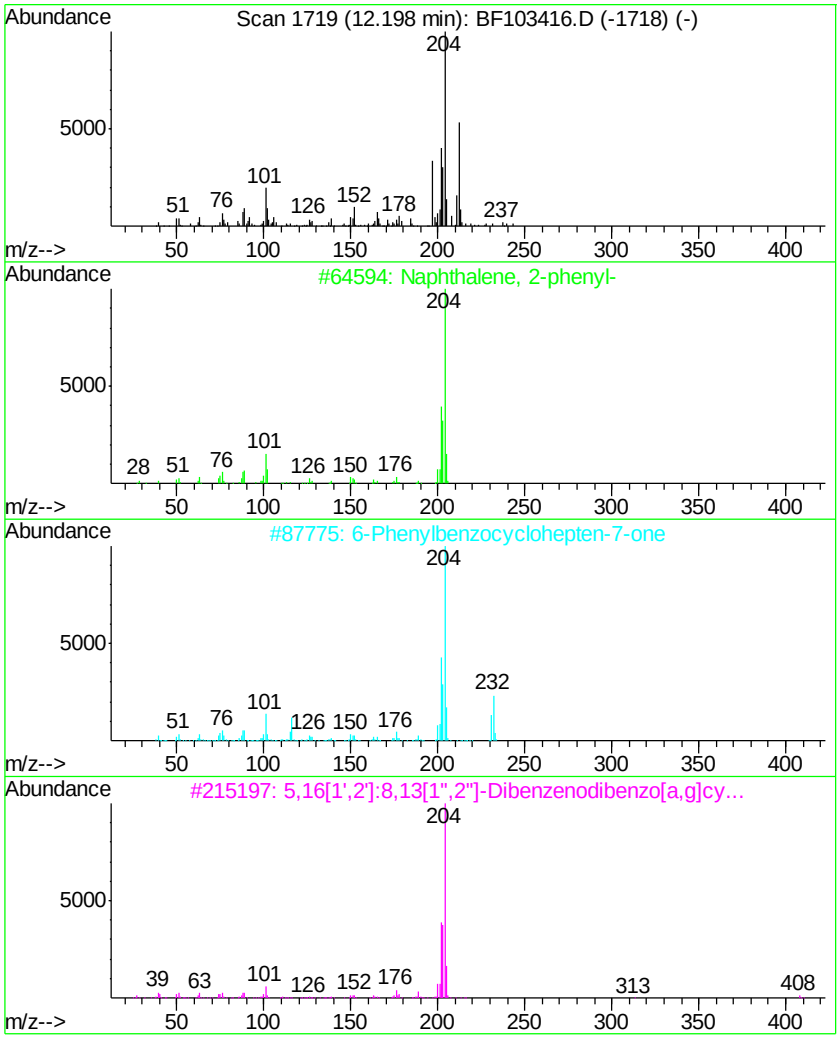
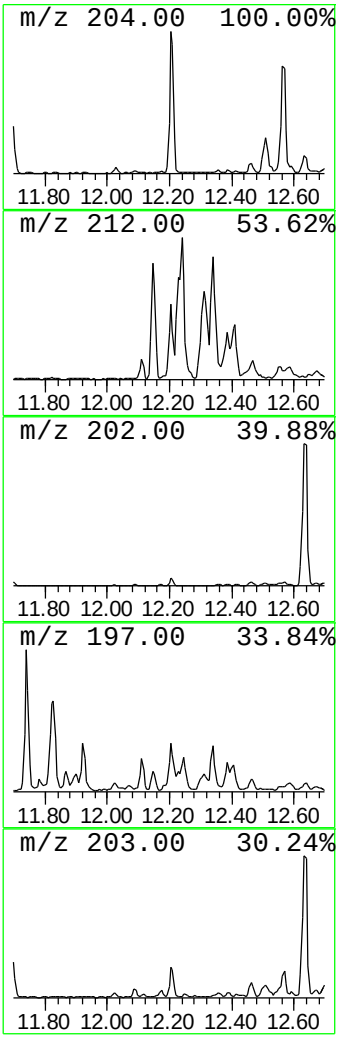
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.20 | 6.64 ng | 374253 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 70 |
| 2 | 6-Phenylbenzocyclohepten-7-one | 232 | C17H12O | 093327-56-1 | 58 |
| 3 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 58 |
| 4 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 46 |
| 5 | 9,10-Bis(bromomethyl)anthracene | 362 | C16H12Br2 | 034373-96-1 | 43 |



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Acq On : 5 Mar 2018 18:44
Operator : SJ/JU
Sample : J1751-15 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-030118-H

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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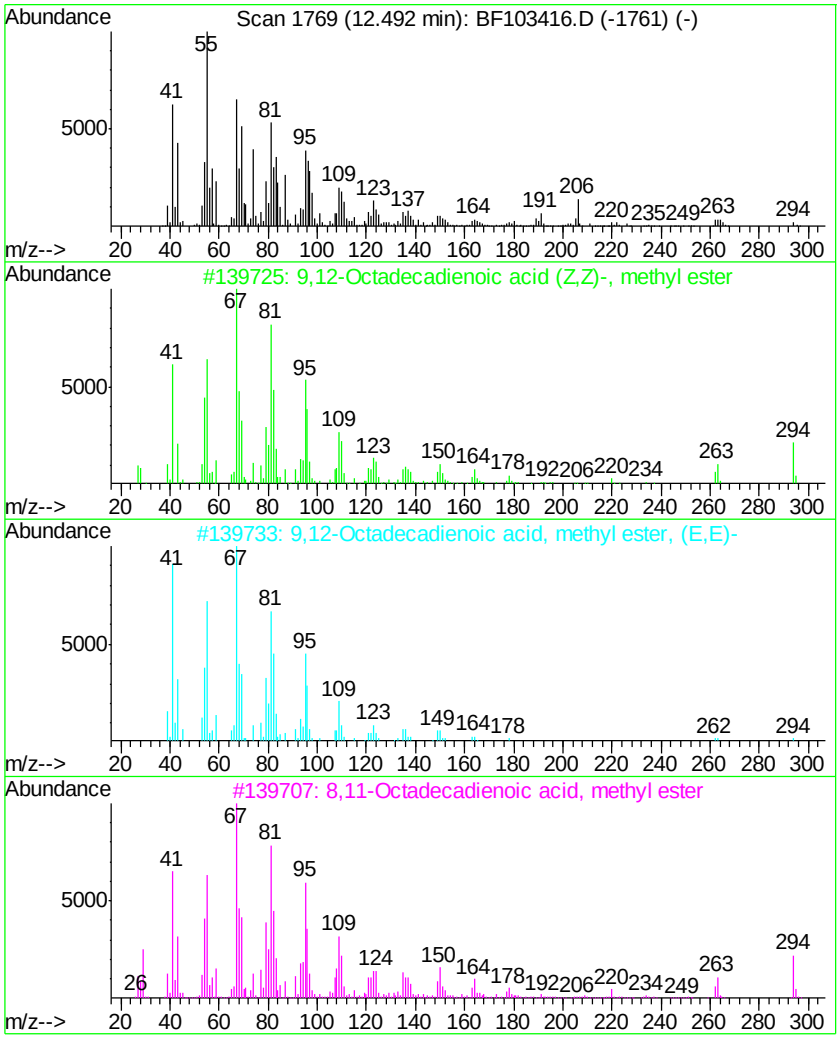
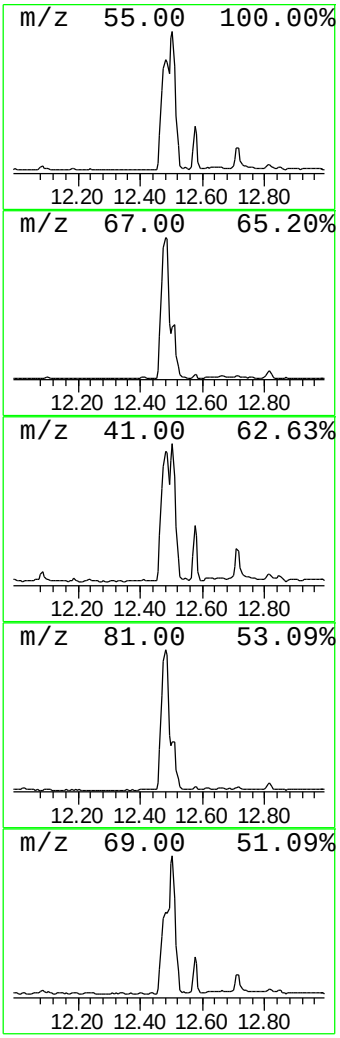
Peak Number 12 9,12-Octadecadienoic acid (... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.49 | 145.01 ng | 8170330 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,12-Octadecadienoic acid (Z,Z)-... | 294 | C19H34O2 | 000112-63-0 | 99 |
| 2 | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2 | 002566-97-4 | 99 |
| 3 | 8,11-Octadecadienoic acid, methy... | 294 | C19H34O2 | 056599-58-7 | 99 |
| 4 | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2 | 002462-85-3 | 99 |
| 5 | 9,15-Octadecadienoic acid, methy... | 294 | C19H34O2 | 017309-05-6 | 99 |



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Data File : BF103416.D
Acq On : 5 Mar 2018 18:44
Operator : SJ/JU
Sample : J1751-15 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-030118-H

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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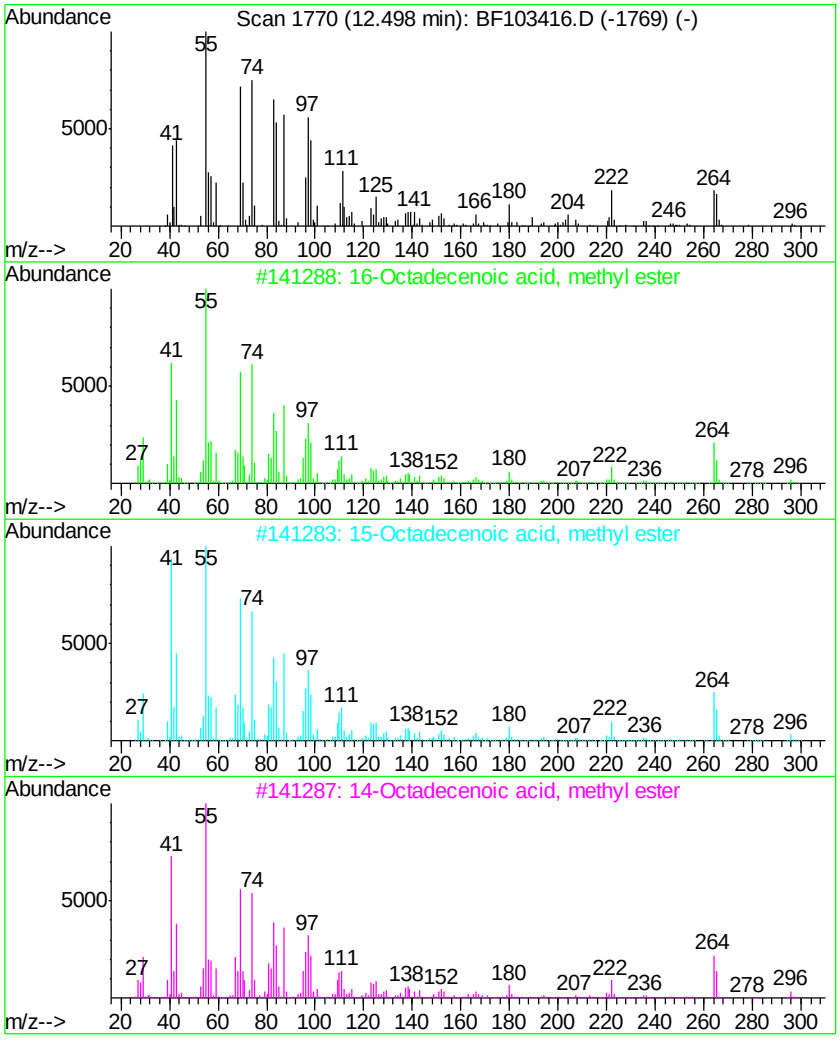
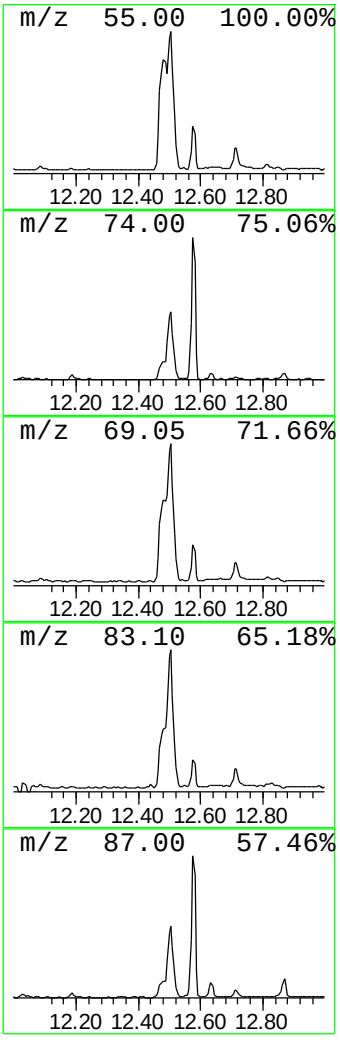
Peak Number 13 16-Octadecenoic acid, methy... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.50 | 99.81 ng | 5623510 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 16-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-49-5 | 93 |
| 2 | 15-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 004764-72-1 | 93 |
| 3 | 14-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-48-4 | 93 |
| 4 | cis-13-Octadecenoic acid, methyl... | 296 | C19H36O2 | 1000333-58-3 | 87 |
| 5 | trans-13-Octadecenoic acid, meth... | 296 | C19H36O2 | 1000333-61-3 | 87 |



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Acq On : 5 Mar 2018 18:44
Operator : SJ/JU
Sample : J1751-15 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-030118-H

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

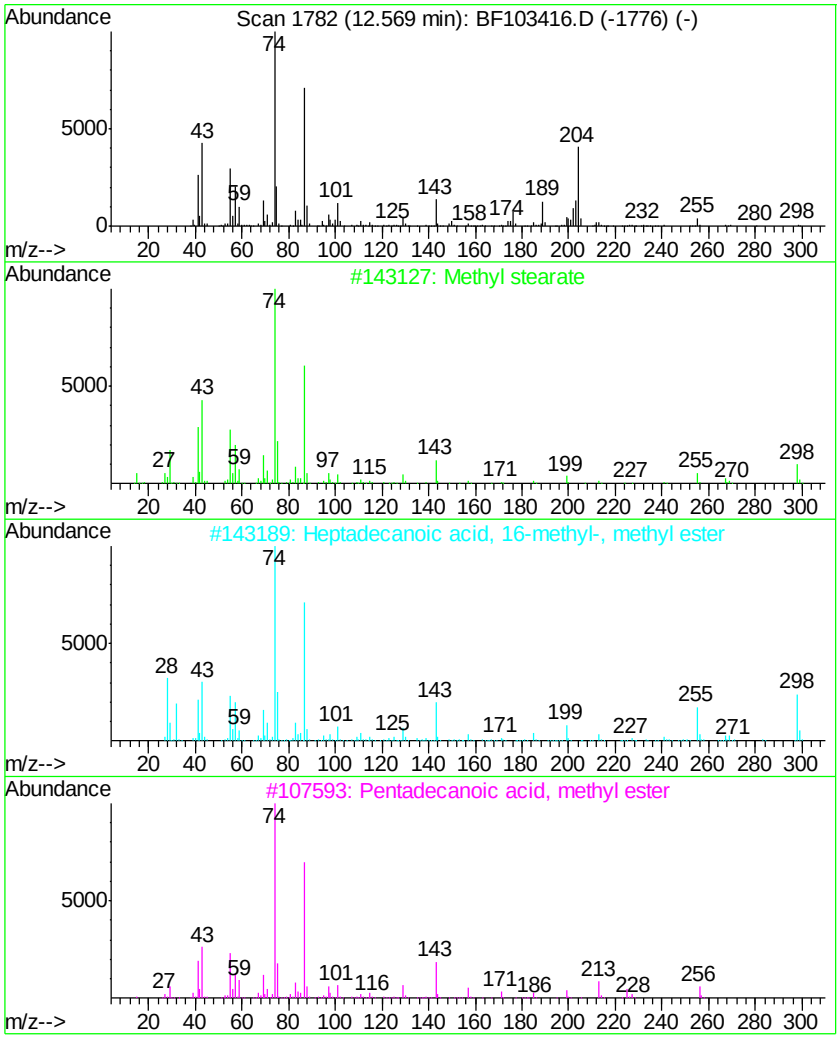
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

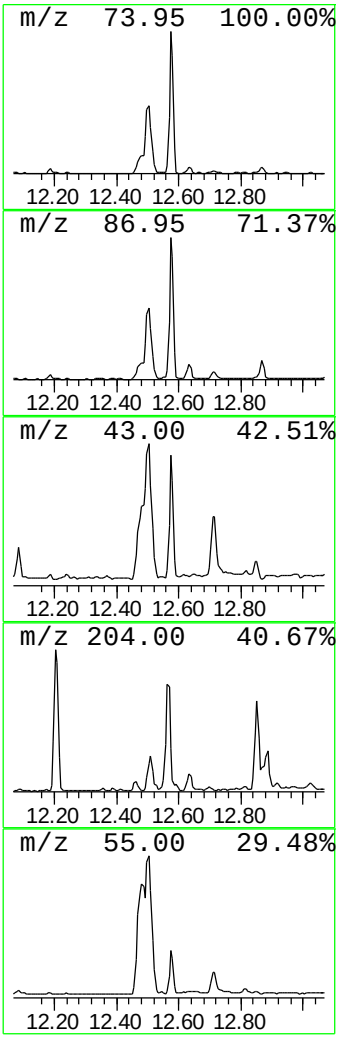
**********

Peak Number 14 Methyl stearate Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.57 | 41.18 ng | 2320380 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methyl stearate | 298 | C19H38O2 | 000112-61-8 | 97 |
| 2 | Heptadecanoic acid, 16-methyl-, ... | 298 | C19H38O2 | 005129-61-3 | 93 |
| 3 | Pentadecanoic acid, methyl ester | 256 | C16H32O2 | 007132-64-1 | 93 |
| 4 | Hexadecanoic acid, methyl ester | 270 | C17H34O2 | 000112-39-0 | 93 |
| 5 | Heptadecanoic acid, methyl ester | 284 | C18H36O2 | 001731-92-6 | 91 |



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Data File : BF103416.D
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Operator : SJ/JU
Sample : J1751-15 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-030118-H

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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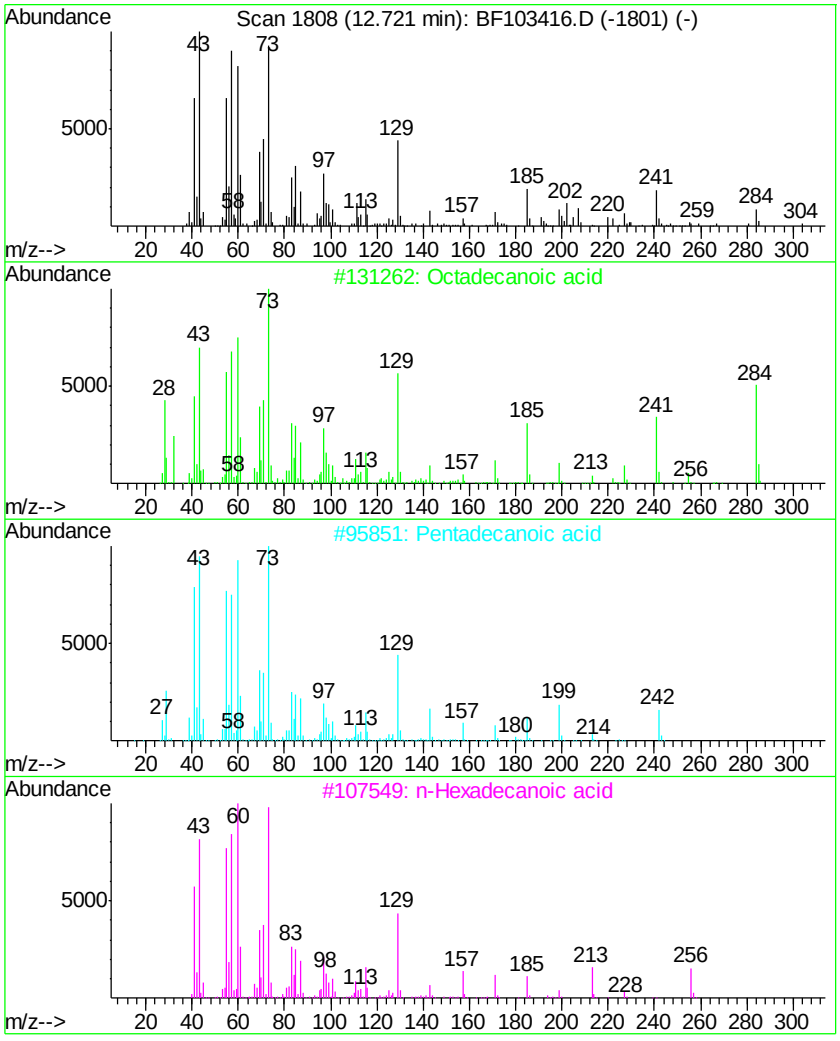
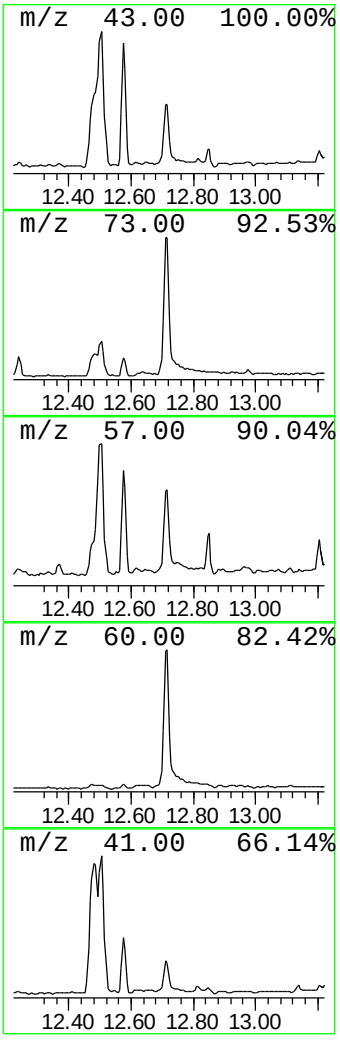
Peak Number 15 Octadecanoic acid Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.72 | 24.13 ng | 1359670 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 99 |
| 2 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 93 |
| 3 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 86 |
| 4 | Decanoic acid, silver(1+) salt | 278 | C10H19AgO2 | 013126-67-5 | 64 |
| 5 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 64 |



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Sample : J1751-15 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-030118-H

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

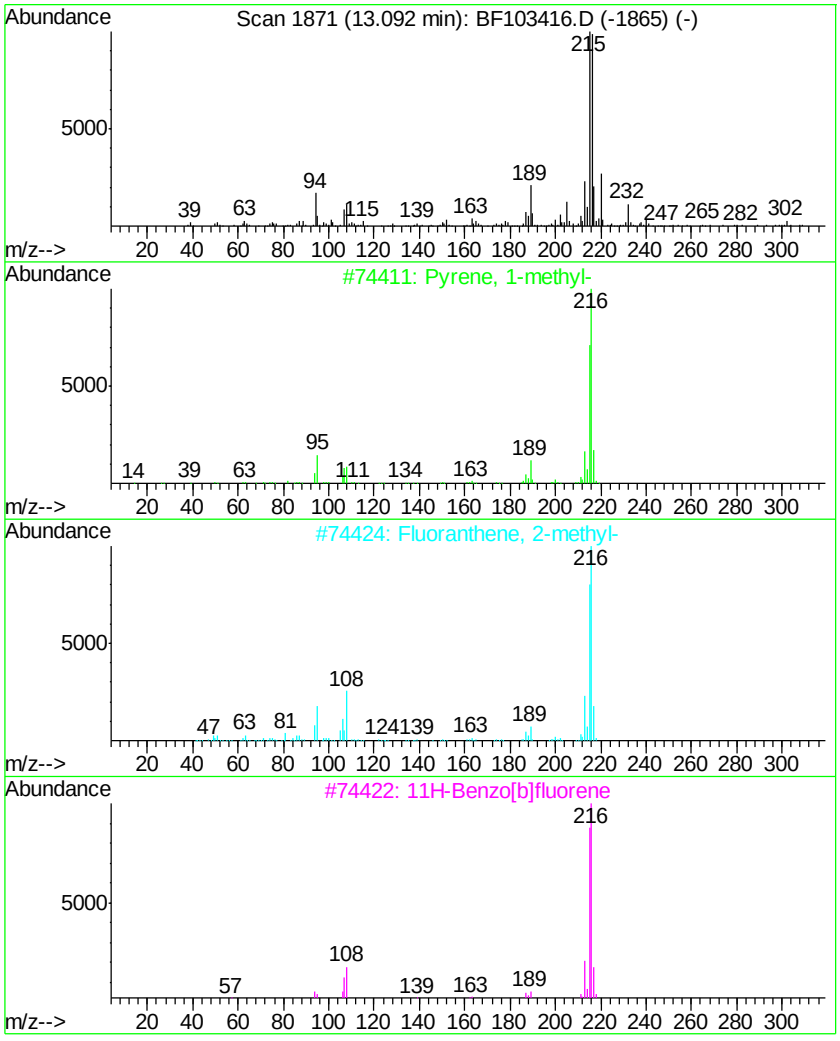
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

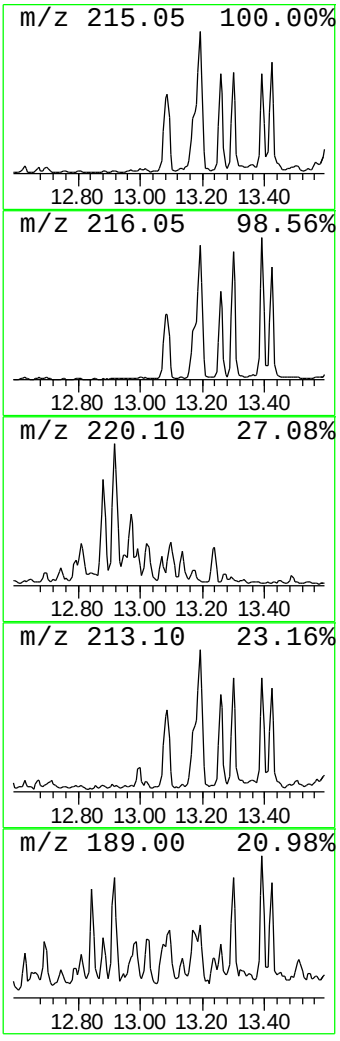
**********

Peak Number 16 Pyrene, 1-methyl- Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.09 | 6.51 ng | 620840 | Chrysene-d12 | 14.07 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 95 |
| 2 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 89 |
| 3 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 76 |
| 4 | 7H-Benzo[c]fluorene | 216 | C17H12 | 000205-12-9 | 74 |
| 5 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 70 |



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103416.D
Acq On : 5 Mar 2018 18:44
Operator : SJ/JU
Sample : J1751-15 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-030118-H

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

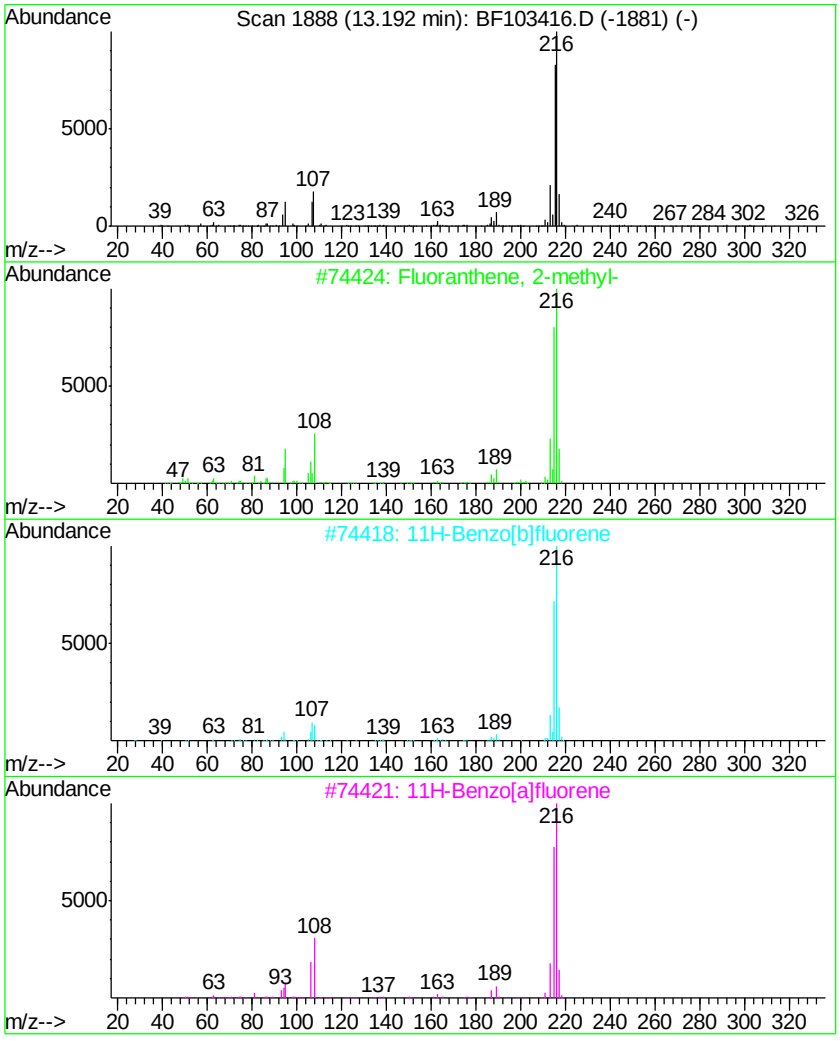
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

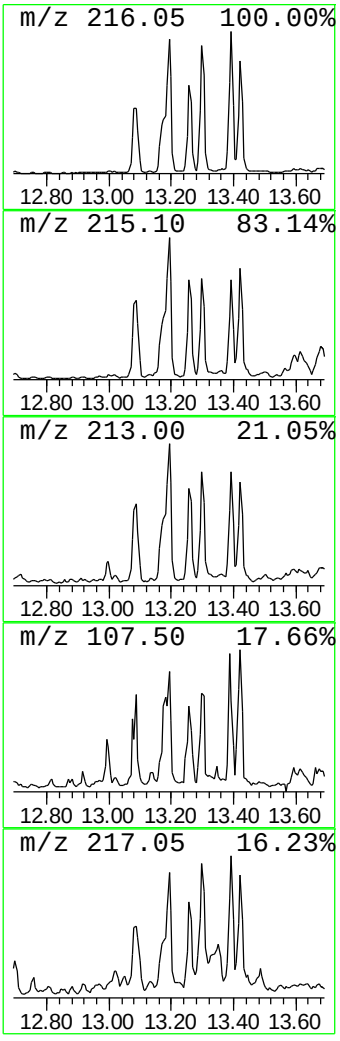
**********

Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.19 | 9.66 ng | 921789 | Chrysene-d12 | 14.07 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 95 |
| 2 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 93 |
| 3 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 91 |
| 4 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 90 |
| 5 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 89 |



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103416.D
Acq On : 5 Mar 2018 18:44
Operator : SJ/JU
Sample : J1751-15 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-030118-H

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

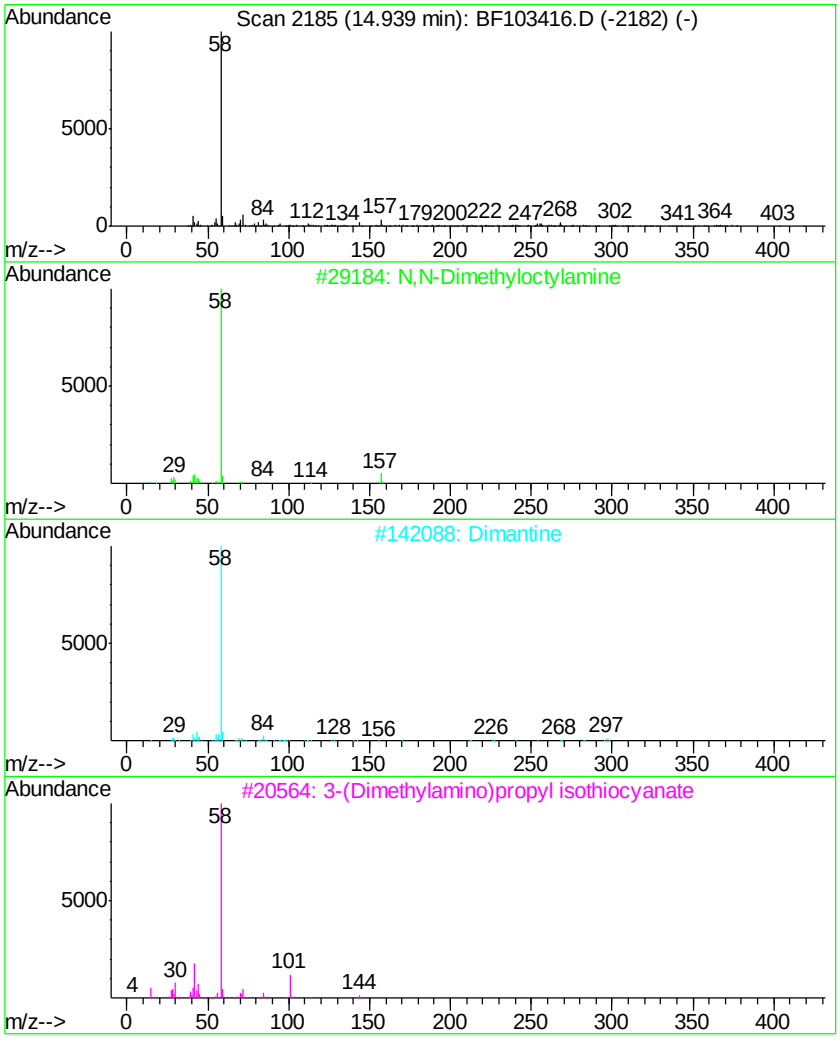
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

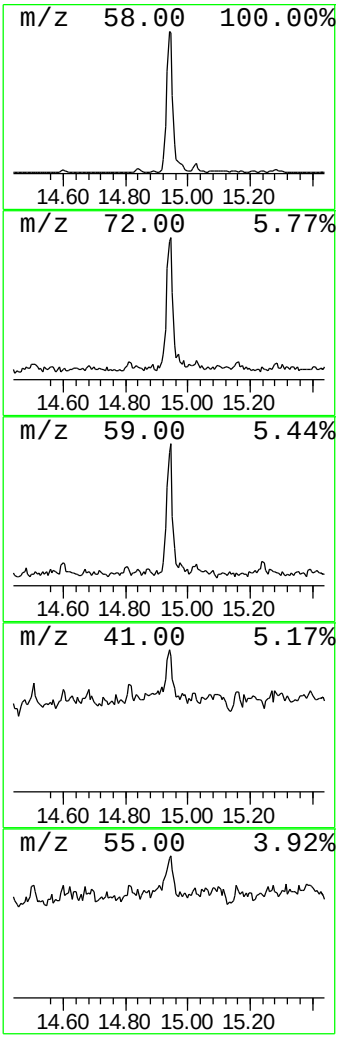
**********

Peak Number 19 N,N-Dimethyloctylamine Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.94 | 14.10 ng | 315878 | Perylene-d12 | 15.58 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | N,N-Dimethyloctylamine | 157 | C10H23N | 007378-99-6 | 72 |
| 2 | Dimantine | 297 | C20H43N | 000124-28-7 | 64 |
| 3 | 3-(Dimethylamino)propyl isothioc... | 144 | C6H12N2S | 027421-70-1 | 64 |
| 4 | Tetradonium Bromide | 335 | C17H38BrN | 001119-97-7 | 64 |
| 5 | Benzedrex | 155 | C10H21N | 000101-40-6 | 64 |



Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF030518\
Data File : BF103416.D
Acq On : 5 Mar 2018 18:44
Operator : SJ/JU
Sample : J1751-15 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-030118-H

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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 |
| unknown6.65 | 6.65 | 34.6 | ng | 1659960 | 1 | 6.87 | 960139 | 20.0 |
| Hexadecane | 9.83 | 6.9 | ng | 418983 | 3 | 9.92 | 1210720 | 20.0 |
| Bacchotricuneatin c | 10.33 | 9.4 | ng | 567647 | 3 | 9.92 | 1210720 | 20.0 |
| Heneicosane | 10.80 | 12.3 | ng | 694627 | 4 | 11.41 | 1126880 | 20.0 |
| Heptacosane | 11.25 | 6.5 | ng | 367342 | 4 | 11.41 | 1126880 | 20.0 |
| Hexadecanoic acid... | 11.79 | 61.0 | ng | 3435560 | 4 | 11.41 | 1126880 | 20.0 |
| n-Hexadecanoic acid | 11.93 | 40.6 | ng | 2288860 | 4 | 11.41 | 1126880 | 20.0 |
| 4H-Cyclopenta[def... | 12.03 | 18.5 | ng | 1043560 | 4 | 11.41 | 1126880 | 20.0 |
| Phenanthrene, 1-m... | 12.05 | 7.3 | ng | 408558 | 4 | 11.41 | 1126880 | 20.0 |
| Naphthalene, 2-ph... | 12.20 | 6.6 | ng | 374253 | 4 | 11.41 | 1126880 | 20.0 |
| 9,12-Octadecadien... | 12.49 | 145.0 | ng | 8170330 | 4 | 11.41 | 1126880 | 20.0 |
| 16-Octadecenoic a... | 12.50 | 99.8 | ng | 5623510 | 4 | 11.41 | 1126880 | 20.0 |
| Methyl stearate | 12.57 | 41.2 | ng | 2320380 | 4 | 11.41 | 1126880 | 20.0 |
| Octadecanoic acid | 12.72 | 24.1 | ng | 1359670 | 4 | 11.41 | 1126880 | 20.0 |
| Pyrene, 1-methyl- | 13.09 | 6.5 | ng | 620840 | 5 | 14.07 | 1908010 | 20.0 |
| Fluoranthene, 2-m... | 13.19 | 9.7 | ng | 921789 | 5 | 14.07 | 1908010 | 20.0 |
| N,N-Dimethyloctyl... | 14.94 | 14.1 | ng | 315878 | 6 | 15.58 | 447980 | 20.0 |