LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\
Data File : BF100795.D
Acq On : 21 Nov 2017 21:54
Operator : SJ/JU
Sample : I6499-07 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PG1-4-E(7-8)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.087 | 507 | 510 | 522 | rVB | 61895 | 63818 | 5.24% | 0.415% |
| 2 | 5.486 | 573 | 578 | 581 | rBV | 963737 | 877543 | 72.07% | 5.712% |
| 3 | 6.498 | 745 | 750 | 759 | rVB | 989496 | 988086 | 81.15% | 6.431% |
| 4 | 6.639 | 770 | 774 | 777 | rBV | 1173523 | 948836 | 77.93% | 6.176% |
| 5 | 6.869 | 810 | 813 | 817 | rBV | 531603 | 479090 | 39.35% | 3.118% |
| 6 | 7.028 | 836 | 840 | 843 | rBV | 900112 | 715018 | 58.73% | 4.654% |
| 7 | 7.433 | 905 | 909 | 912 | rBV | 635484 | 548567 | 45.06% | 3.571% |
| 8 | 7.504 | 918 | 921 | 925 | rBV | 22190 | 20689 | 1.70% | 0.135% |
| 9 | 7.869 | 979 | 983 | 993 | rVB | 13899 | 17159 | 1.41% | 0.112% |
| 10 | 8.151 | 1027 | 1031 | 1034 | rBV | 732986 | 608213 | 49.95% | 3.959% |
| 11 | 8.480 | 1083 | 1087 | 1095 | rBV | 15516 | 20064 | 1.65% | 0.131% |
| 12 | 9.227 | 1210 | 1214 | 1217 | rBV | 1498390 | 1217543 | 100.00% | 7.925% |
| 13 | 9.616 | 1277 | 1280 | 1283 | rBV | 76170 | 60495 | 4.97% | 0.394% |
| 14 | 9.769 | 1303 | 1306 | 1308 | rBV | 30699 | 23513 | 1.93% | 0.153% |
| 15 | 9.833 | 1312 | 1317 | 1321 | rVB | 32793 | 31390 | 2.58% | 0.204% |
| 16 | 9.910 | 1326 | 1330 | 1333 | rVV | 700830 | 613327 | 50.37% | 3.992% |
| 17 | 9.939 | 1333 | 1335 | 1338 | rVB | 24699 | 17591 | 1.44% | 0.114% |
| 18 | 10.110 | 1359 | 1364 | 1368 | rBV2 | 23459 | 37300 | 3.06% | 0.243% |
| 19 | 10.304 | 1394 | 1397 | 1399 | rBV3 | 15249 | 15699 | 1.29% | 0.102% |
| 20 | 10.327 | 1399 | 1401 | 1404 | rVB | 36473 | 29747 | 2.44% | 0.194% |
| 21 | 10.451 | 1419 | 1422 | 1426 | rVB | 21236 | 21034 | 1.73% | 0.137% |
| 22 | 10.692 | 1460 | 1463 | 1470 | rVB | 622854 | 579310 | 47.58% | 3.771% |
| 23 | 10.804 | 1479 | 1482 | 1491 | rVB | 36445 | 43615 | 3.58% | 0.284% |
| 24 | 11.045 | 1521 | 1523 | 1527 | rVB2 | 18974 | 17087 | 1.40% | 0.111% |
| 25 | 11.198 | 1546 | 1549 | 1552 | rVV | 27147 | 21221 | 1.74% | 0.138% |
| 26 | 11.251 | 1554 | 1558 | 1560 | rVV2 | 32546 | 31231 | 2.57% | 0.203% |
| 27 | 11.292 | 1560 | 1565 | 1568 | rVB2 | 20406 | 27593 | 2.27% | 0.180% |
| 28 | 11.392 | 1579 | 1582 | 1585 | rBV | 553513 | 550133 | 45.18% | 3.581% |
| 29 | 11.416 | 1585 | 1586 | 1590 | rVV | 382798 | 286503 | 23.53% | 1.865% |
| 30 | 11.468 | 1592 | 1595 | 1598 | rVB | 71505 | 55192 | 4.53% | 0.359% |
| 31 | 11.621 | 1615 | 1621 | 1628 | rBV2 | 28154 | 49761 | 4.09% | 0.324% |
| 32 | 11.680 | 1628 | 1631 | 1636 | rVB2 | 20175 | 26946 | 2.21% | 0.175% |
| 33 | 11.780 | 1643 | 1648 | 1651 | rBV6 | 18313 | 21276 | 1.75% | 0.138% |
| 34 | 11.851 | 1655 | 1660 | 1662 | rVV5 | 13070 | 16063 | 1.32% | 0.105% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\
Data File : BF100795.D
Acq On : 21 Nov 2017 21:54
Operator : SJ/JU
Sample : I6499-07 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PG1-4-E(7-8)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 11.892 | 1664 | 1667 | 1668 | rVV | 54957 | 48301 | 3.97% | 0.314% |
| 36 | 11.915 | 1668 | 1671 | 1677 | rVV2 | 154569 | 217590 | 17.87% | 1.416% |
| 37 | 11.968 | 1677 | 1680 | 1683 | rVV | 26426 | 33345 | 2.74% | 0.217% |
| 38 | 12.004 | 1683 | 1686 | 1689 | rVV2 | 58937 | 72818 | 5.98% | 0.474% |
| 39 | 12.027 | 1689 | 1690 | 1694 | rVB | 39379 | 27718 | 2.28% | 0.180% |
| 40 | 12.086 | 1694 | 1700 | 1705 | rBV2 | 26665 | 43138 | 3.54% | 0.281% |
| 41 | 12.186 | 1715 | 1717 | 1720 | rBV | 39073 | 33807 | 2.78% | 0.220% |
| 42 | 12.215 | 1720 | 1722 | 1724 | rBV | 33738 | 26175 | 2.15% | 0.170% |
| 43 | 12.445 | 1757 | 1761 | 1764 | rBV | 41071 | 58298 | 4.79% | 0.379% |
| 44 | 12.480 | 1764 | 1767 | 1769 | rVV3 | 34199 | 46767 | 3.84% | 0.304% |
| 45 | 12.527 | 1773 | 1775 | 1779 | rVB | 39310 | 37927 | 3.12% | 0.247% |
| 46 | 12.610 | 1785 | 1789 | 1794 | rBV | 491463 | 438720 | 36.03% | 2.856% |
| 47 | 12.698 | 1801 | 1804 | 1807 | rBV2 | 69117 | 61491 | 5.05% | 0.400% |
| 48 | 12.839 | 1822 | 1828 | 1833 | rBV | 443298 | 470019 | 38.60% | 3.059% |
| 49 | 12.880 | 1833 | 1835 | 1840 | rVB2 | 25214 | 30542 | 2.51% | 0.199% |
| 50 | 12.974 | 1845 | 1851 | 1860 | rVB | 1031291 | 985396 | 80.93% | 6.414% |
| 51 | 13.057 | 1860 | 1865 | 1868 | rBV4 | 39074 | 66948 | 5.50% | 0.436% |
| 52 | 13.139 | 1876 | 1879 | 1880 | rBV2 | 25844 | 26094 | 2.14% | 0.170% |
| 53 | 13.157 | 1880 | 1882 | 1887 | rVB | 38638 | 41519 | 3.41% | 0.270% |
| 54 | 13.268 | 1896 | 1901 | 1903 | rBV3 | 46823 | 62078 | 5.10% | 0.404% |
| 55 | 13.345 | 1912 | 1914 | 1915 | rBV | 22651 | 18772 | 1.54% | 0.122% |
| 56 | 13.392 | 1919 | 1922 | 1925 | rBV2 | 35095 | 39857 | 3.27% | 0.259% |
| 57 | 13.668 | 1965 | 1969 | 1974 | rVB | 81872 | 88219 | 7.25% | 0.574% |
| 58 | 13.780 | 1985 | 1988 | 1991 | rBV2 | 40308 | 48901 | 4.02% | 0.318% |
| 59 | 13.809 | 1991 | 1993 | 1995 | rVV | 42566 | 33163 | 2.72% | 0.216% |
| 60 | 13.833 | 1995 | 1997 | 1999 | rVV | 31657 | 32552 | 2.67% | 0.212% |
| 61 | 13.874 | 2000 | 2004 | 2007 | rVB2 | 70400 | 105287 | 8.65% | 0.685% |
| 62 | 14.033 | 2026 | 2031 | 2034 | rBV2 | 660900 | 793487 | 65.17% | 5.165% |
| 63 | 14.057 | 2034 | 2035 | 2043 | rVB | 205555 | 187545 | 15.40% | 1.221% |
| 64 | 14.415 | 2094 | 2096 | 2099 | rVB | 42884 | 41131 | 3.38% | 0.268% |
| 65 | 15.074 | 2204 | 2208 | 2212 | rBV | 182012 | 292205 | 24.00% | 1.902% |
| 66 | 15.380 | 2258 | 2260 | 2267 | rVB | 90950 | 117035 | 9.61% | 0.762% |
| 67 | 15.445 | 2268 | 2271 | 2277 | rVV | 145228 | 203440 | 16.71% | 1.324% |
| 68 | 15.509 | 2278 | 2282 | 2293 | rVB | 370714 | 543879 | 44.67% | 3.540% |
| 69 | 15.651 | 2302 | 2306 | 2314 | rVB4 | 87535 | 127810 | 10.50% | 0.832% |
| 70 | 16.215 | 2398 | 2402 | 2410 | rVB2 | 161195 | 307796 | 25.28% | 2.003% |
| 71 | 16.656 | 2472 | 2477 | 2486 | rVB2 | 157095 | 326562 | 26.82% | 2.126% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\
Data File : BF100795.D
Acq On : 21 Nov 2017 21:54
Operator : SJ/JU
Sample : I6499-07 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PG1-4-E(7-8)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 17.239 | 2571 | 2576 | 2582 | rVB4 | 75781 | 146347 | 12.02% | 0.953% |

Sum of corrected areas: 15363332

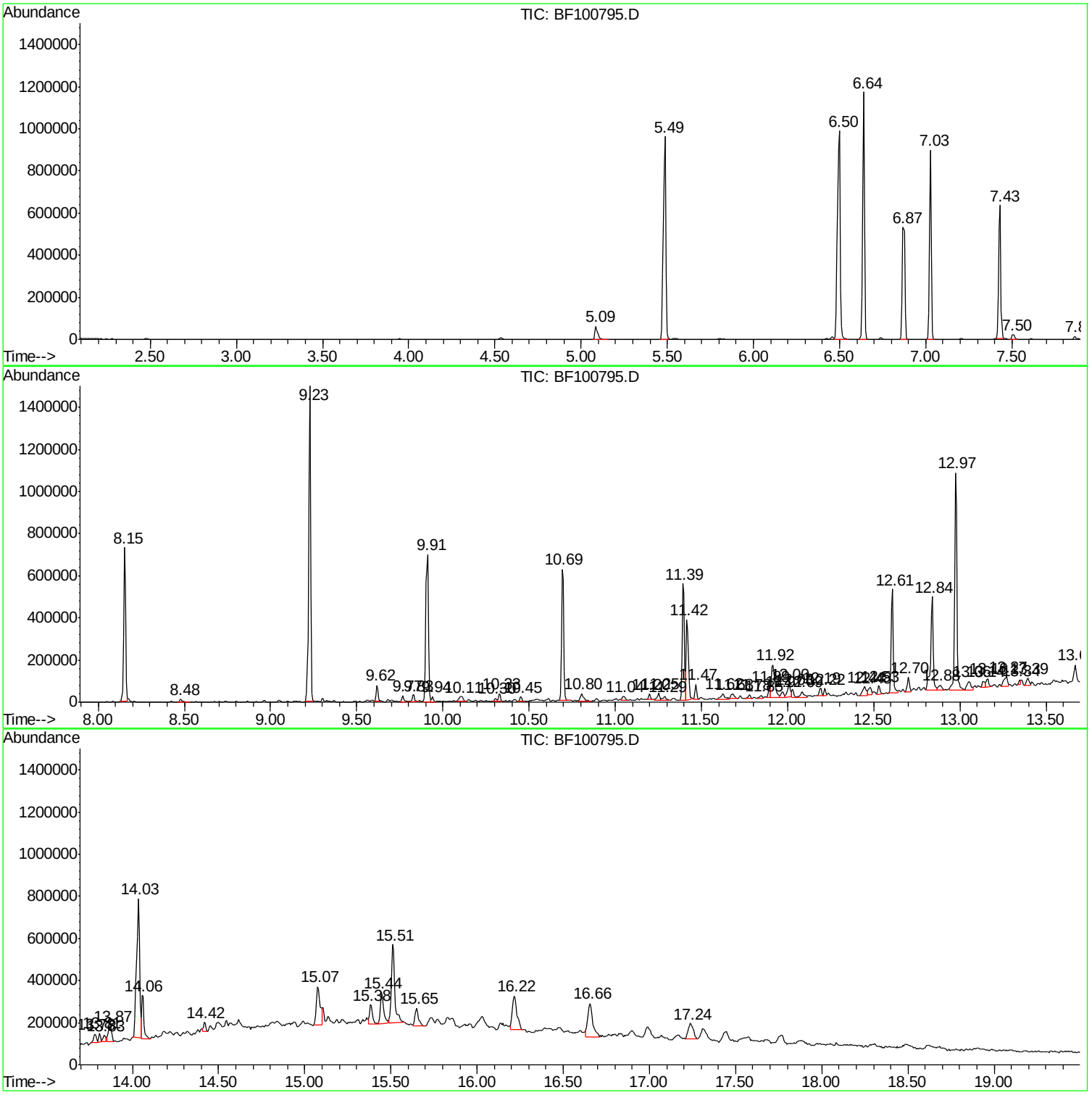
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\
Data File : BF100795.D
Acq On : 21 Nov 2017 21:54
Operator : SJ/JU
Sample : I6499-07 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PG1-4-E(7-8)

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

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\
Data File : BF100795.D
Acq On : 21 Nov 2017 21:54
Operator : SJ/JU
Sample : I6499-07 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PG1-4-E(7-8)

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

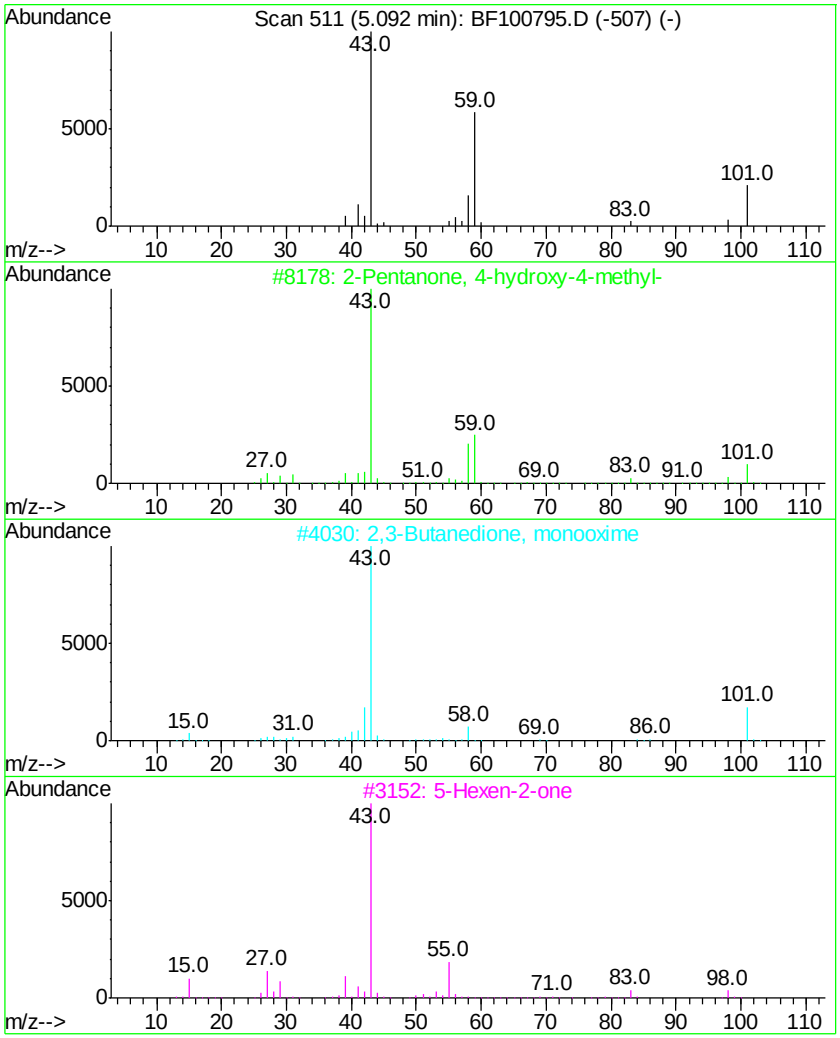
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

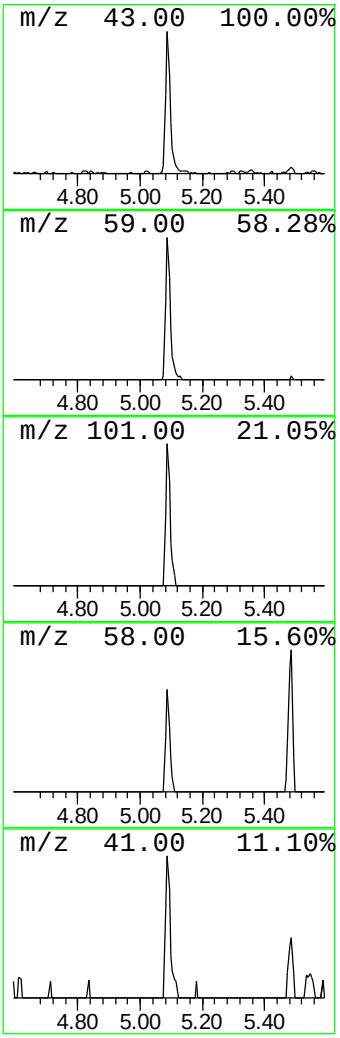
**********

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.09 | 2.66 ng | 63818 | 1,4-Dichlorobenzene-d4 | 6.87 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 56 |
| 2 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 9 |
| 3 | 5-Hexen-2-one | 98 | C6H10O | 000109-49-9 | 9 |
| 4 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 9 |
| 5 | (+-)-4-Amino-4,5-dihydro-2(3H)-f... | 101 | C4H7NO2 | 016504-58-8 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\
Data File : BF100795.D
Acq On : 21 Nov 2017 21:54
Operator : SJ/JU
Sample : I6499-07 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PG1-4-E(7-8)

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

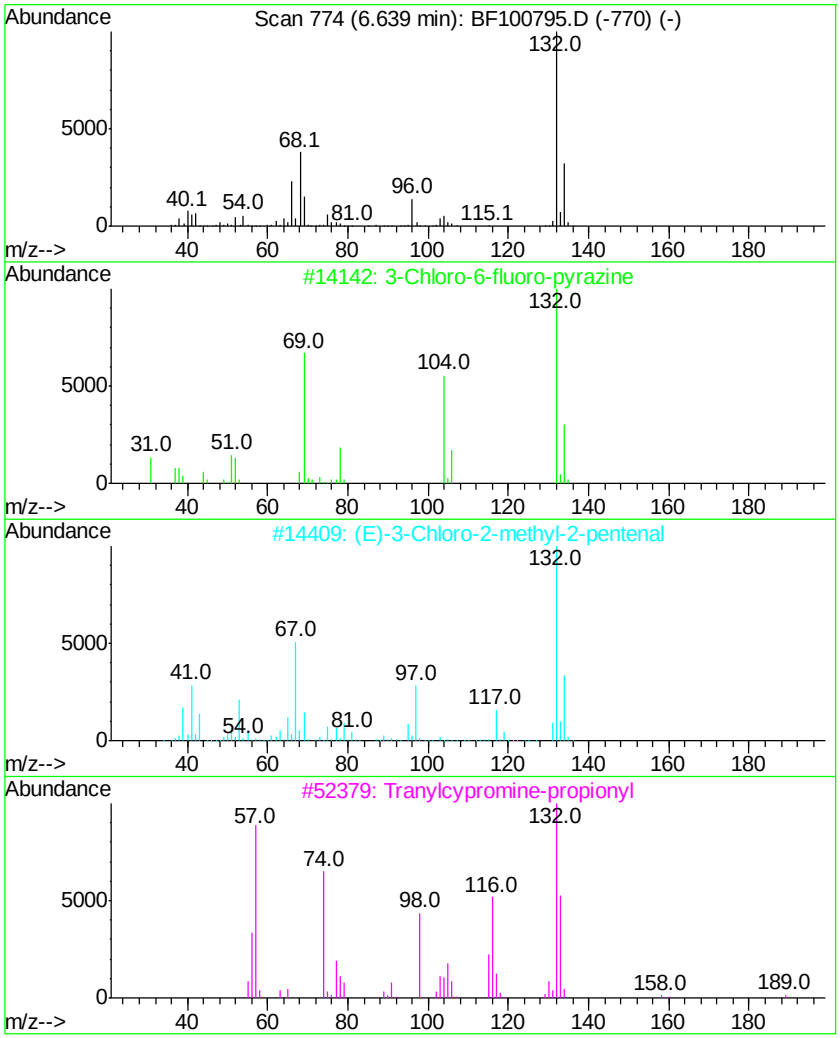
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

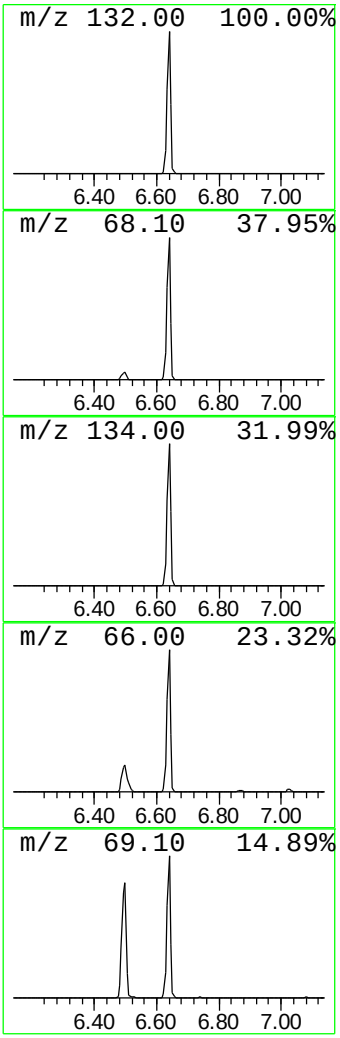
**********

Peak Number 2 unknown6.64 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.64 | 39.61 ng | 948836 | 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 | 25 |
| 2 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 17 |
| 3 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 12 |
| 4 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |
| 5 | 1,3,5-Trifluorobenzene | 132 | C6H3F3 | 000372-38-3 | 9 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\
Data File : BF100795.D
Acq On : 21 Nov 2017 21:54
Operator : SJ/JU
Sample : I6499-07 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PG1-4-E(7-8)

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

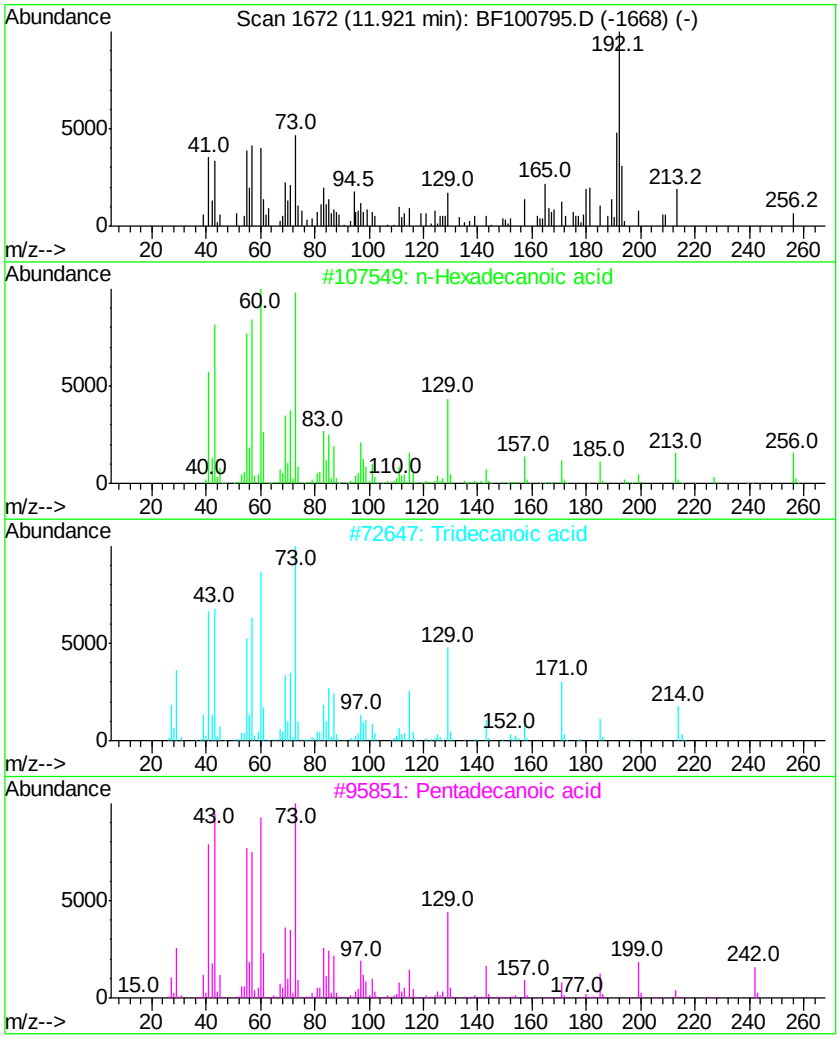
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

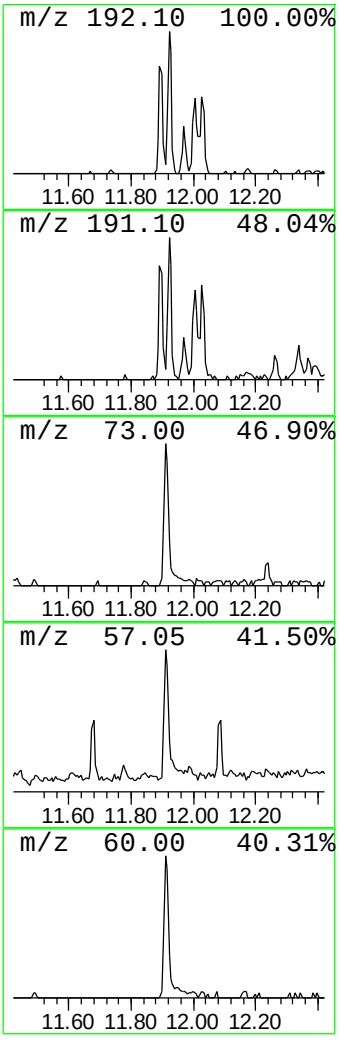
**********

Peak Number 4 n-Hexadecanoic acid Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.92 | 7.91 ng | 217590 | Phenanthrene-d10 | 11.39 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 2 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 93 |
| 3 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 87 |
| 4 | Undecanoic acid | 186 | C11H22O2 | 000112-37-8 | 76 |
| 5 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 72 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\
Data File : BF100795.D
Acq On : 21 Nov 2017 21:54
Operator : SJ/JU
Sample : I6499-07 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PG1-4-E(7-8)

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

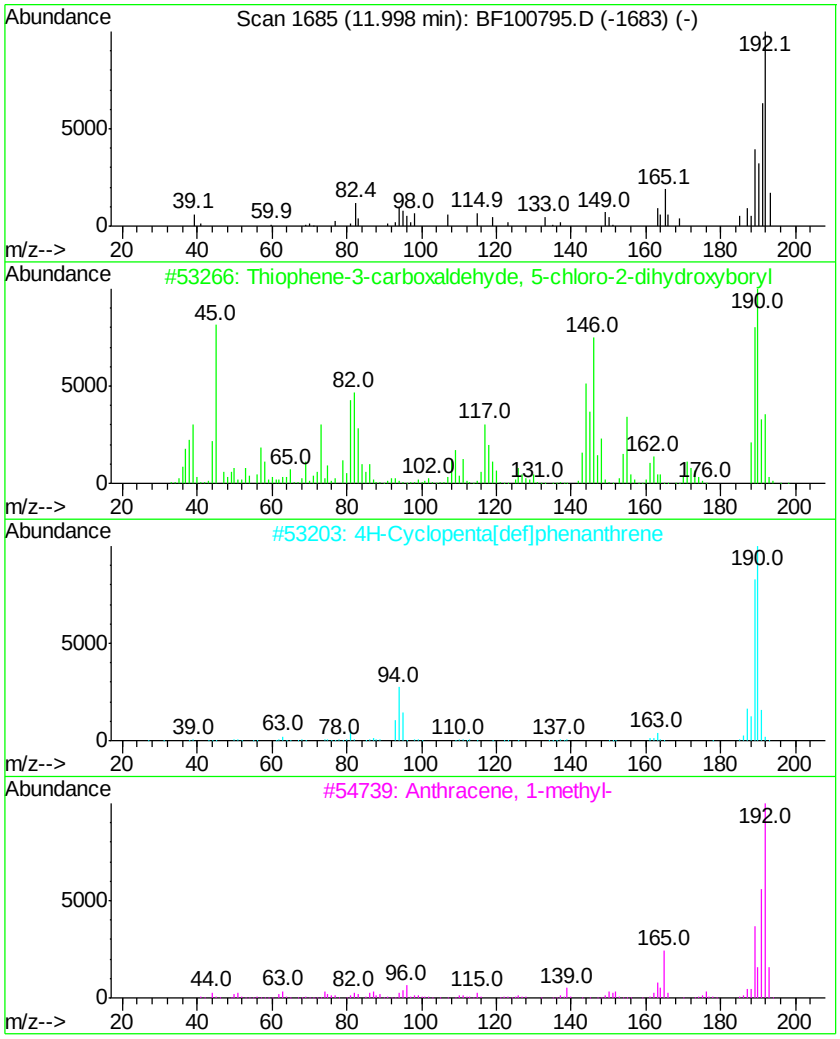
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

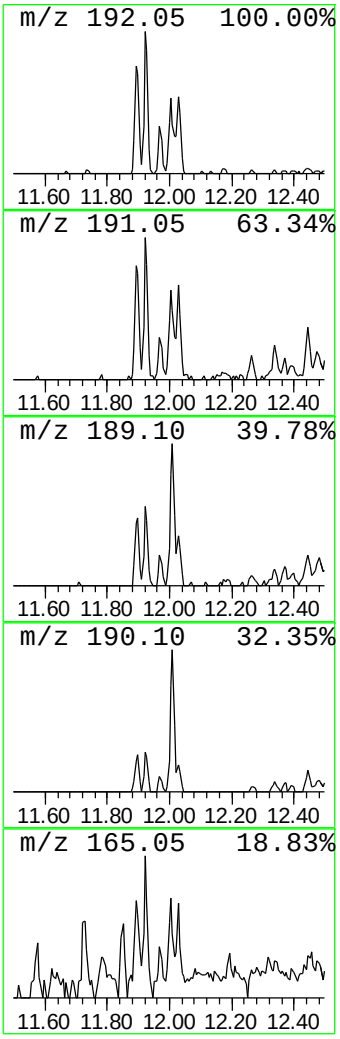
**********

Peak Number 5 unknown12.00 Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.00 | 2.65 ng | 72818 | Phenanthrene-d10 | 11.39 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Thiophene-3-carboxaldehyde, 5-ch... | 190 | C5H4BClO3S | 036155-87-0 | 47 |
| 2 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 46 |
| 3 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 42 |
| 4 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 41 |
| 5 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 38 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\
Data File : BF100795.D
Acq On : 21 Nov 2017 21:54
Operator : SJ/JU
Sample : I6499-07 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PG1-4-E(7-8)

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

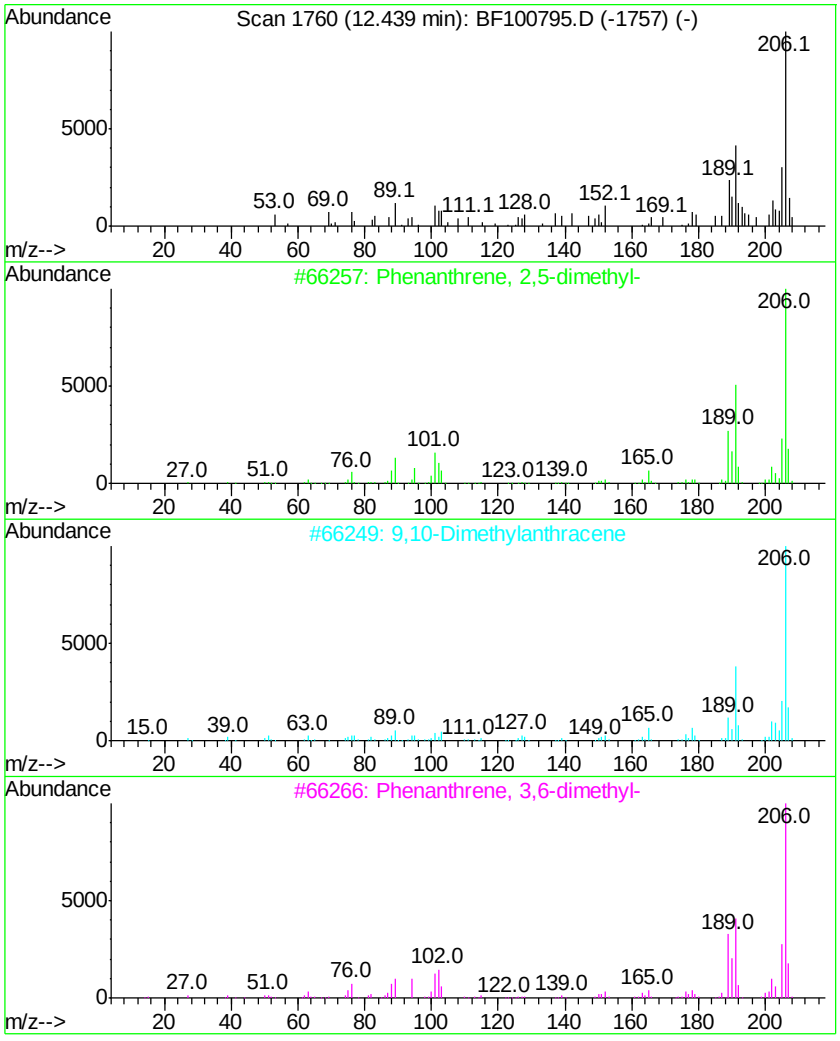
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

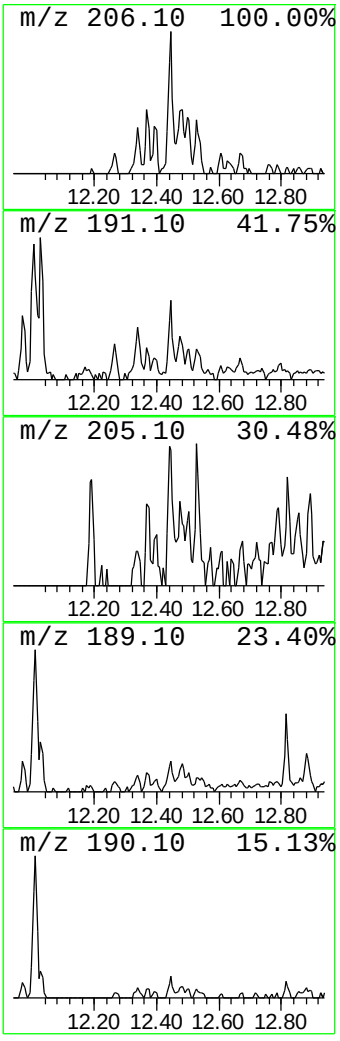
**********

Peak Number 6 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.44 | 2.12 ng | 58298 | Phenanthrene-d10 | 11.39 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 91 |
| 2 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 91 |
| 3 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 83 |
| 4 | 1-Methyl-3-phenyl-1H-indene | 206 | C16H14 | 022360-62-9 | 81 |
| 5 | Anthracene, 1,4-dimethyl- | 206 | C16H14 | 000781-92-0 | 81 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\
Data File : BF100795.D
Acq On : 21 Nov 2017 21:54
Operator : SJ/JU
Sample : I6499-07 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PG1-4-E(7-8)

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

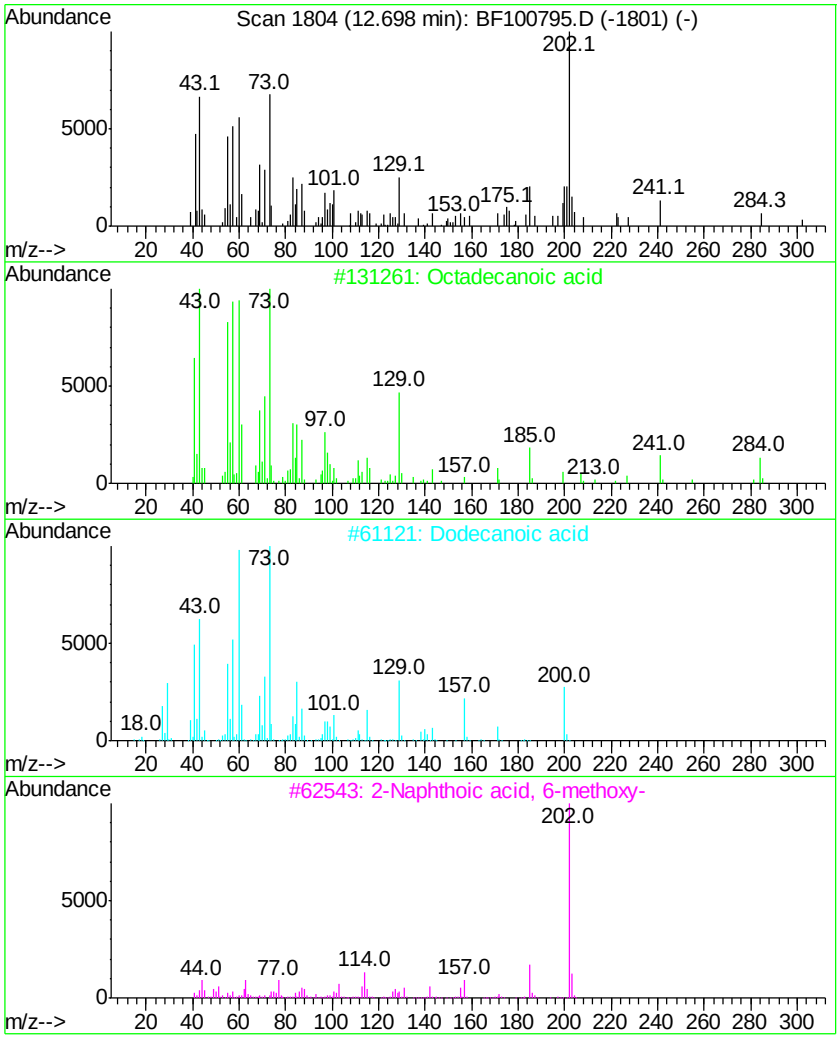
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

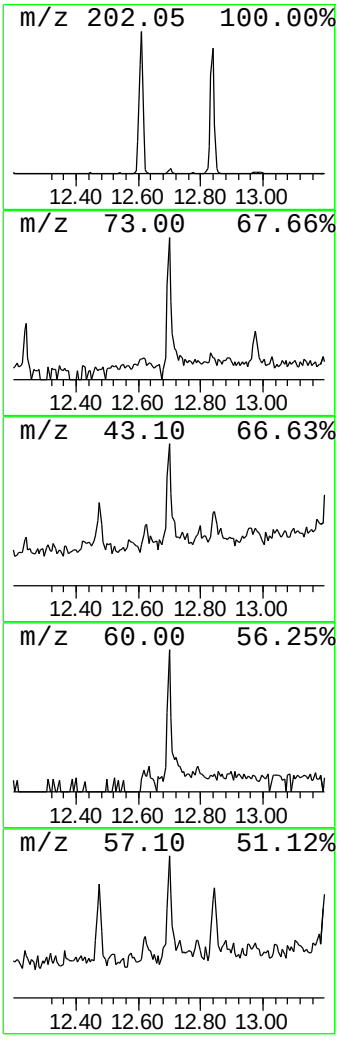
**********

Peak Number 7 Octadecanoic acid Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.70 | 2.24 ng | 61491 | Phenanthrene-d10 | 11.39 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 96 |
| 2 | Dodecanoic acid | 200 | C12H24O2 | 000143-07-7 | 46 |
| 3 | 2-Naphthoic acid, 6-methoxy- | 202 | C12H10O3 | 002471-70-7 | 38 |
| 4 | Pyrene | 202 | C16H10 | 000129-00-0 | 30 |
| 5 | Fluoranthene | 202 | C16H10 | 000206-44-0 | 30 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\
Data File : BF100795.D
Acq On : 21 Nov 2017 21:54
Operator : SJ/JU
Sample : I6499-07 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PG1-4-E(7-8)

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

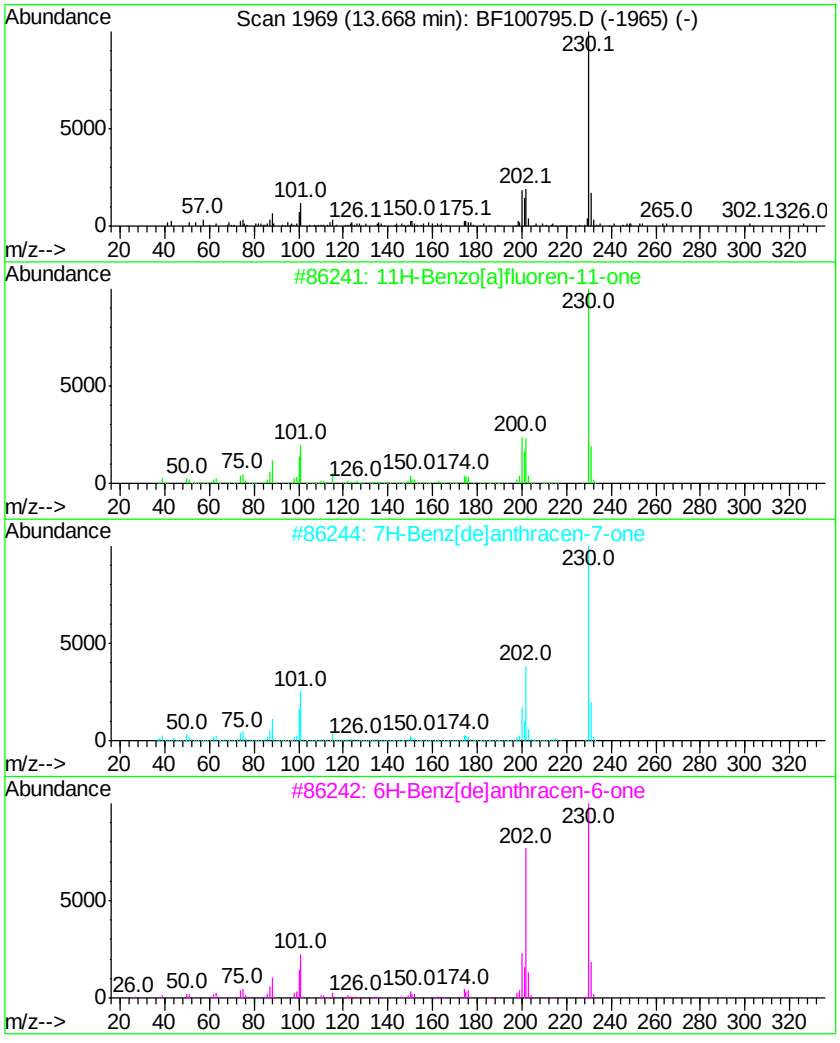
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

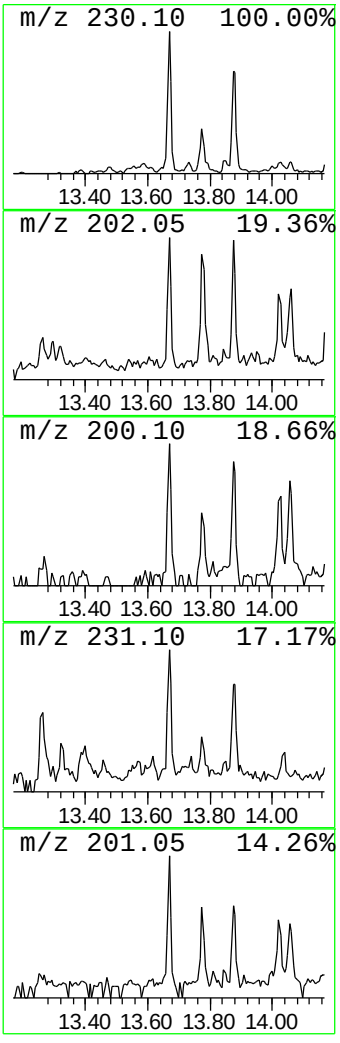
**********

Peak Number 8 11H-Benzo[a]fluoren-11-one Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.67 | 2.22 ng | 88219 | Chrysene-d12 | 14.03 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[a]fluoren-11-one | 230 | C17H10O | 000479-79-8 | 93 |
| 2 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 83 |
| 3 | 6H-Benz[de]anthracen-6-one | 230 | C17H10O | 080252-14-8 | 72 |
| 4 | o-Terphenyl | 230 | C18H14 | 000084-15-1 | 72 |
| 5 | 9-Chloro-1-phenazinol | 230 | C12H7ClN2O | 091268-03-0 | 64 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\
Data File : BF100795.D
Acq On : 21 Nov 2017 21:54
Operator : SJ/JU
Sample : I6499-07 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PG1-4-E(7-8)

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

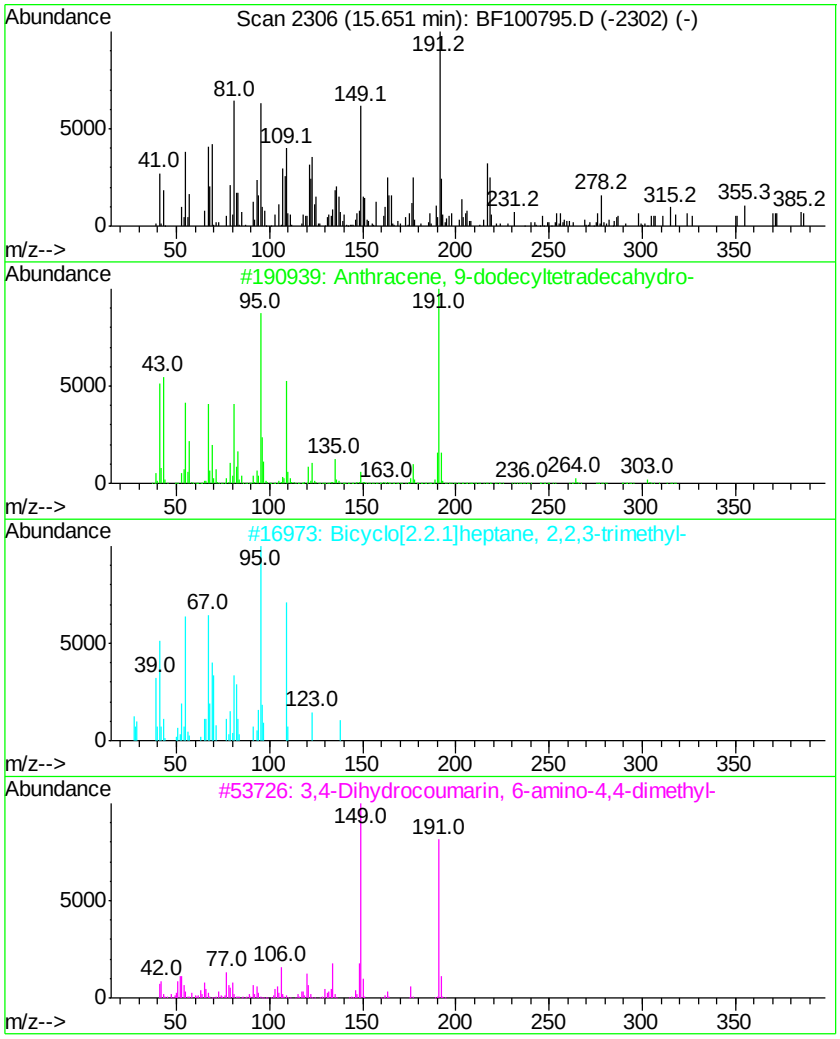
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

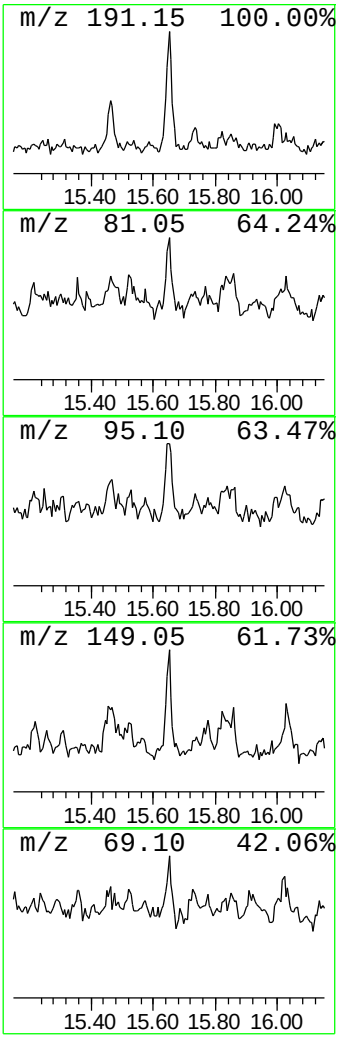
**********

Peak Number 11 unknown15.65 Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.65 | 4.70 ng | 127810 | Perylene-d12 | 15.51 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 9-dodecyltetradecahv... | 360 | C26H48 | 055401-75-7 | 47 |
| 2 | Bicyclo[2.2.1]heptane, 2,2,3-tri... | 138 | C10H18 | 000473-19-8 | 44 |
| 3 | 3,4-Dihydrocoumarin, 6-amino-4,4... | 191 | C11H13NO2 | 1000128-49-9 | 35 |
| 4 | Furan-2-carboxylic acid, [4-(4-m... | 315 | C18H21NO4 | 1000305-72-3 | 35 |
| 5 | Butanoic acid, 4-(4-hydroxypheny... | 209 | C10H11NO4 | 062558-67-2 | 27 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\
Data File : BF100795.D
Acq On : 21 Nov 2017 21:54
Operator : SJ/JU
Sample : I6499-07 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PG1-4-E(7-8)

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

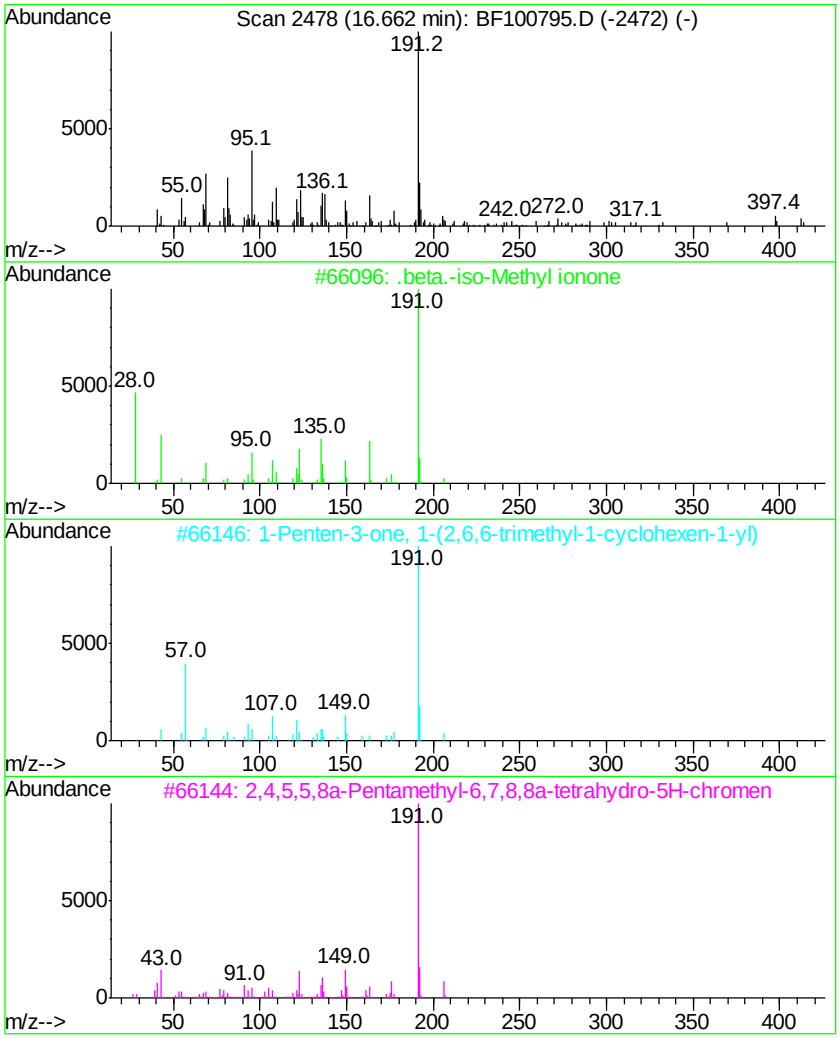
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

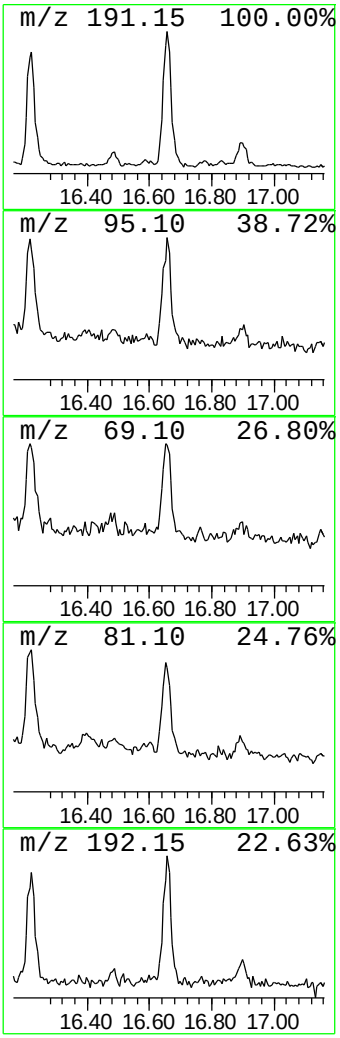
**********

Peak Number 13 .beta.-iso-Methyl ionone Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.66 | 12.01 ng | 326562 | Perylene-d12 | 15.51 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | .beta.-iso-Methyl ionone | 206 | C14H22O | 1000285-40-2 | 60 |
| 2 | 1-Penten-3-one, 1-(2,6,6-trimeth... | 206 | C14H22O | 000127-43-5 | 38 |
| 3 | 2,4,5,5,8a-Pentamethyl-6,7,8,8a-... | 206 | C14H22O | 1000195-40-9 | 37 |
| 4 | Propanamide, N-(2,3-dihydro-3-me... | 220 | C11H12N2OS | 332413-15-7 | 37 |
| 5 | 5-(p-Aminophenyl)-2-thiazolamine | 191 | C9H9N3S | 090349-87-4 | 35 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\
Data File : BF100795.D
Acq On : 21 Nov 2017 21:54
Operator : SJ/JU
Sample : I6499-07 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PG1-4-E(7-8)

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

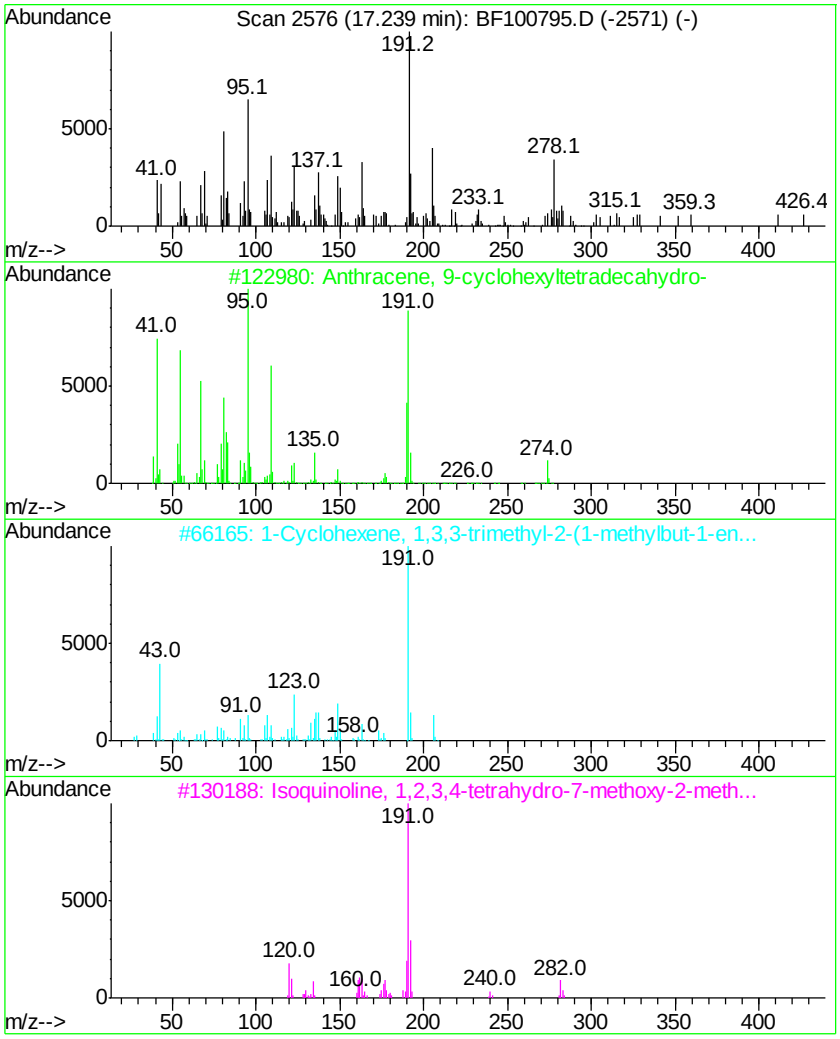
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

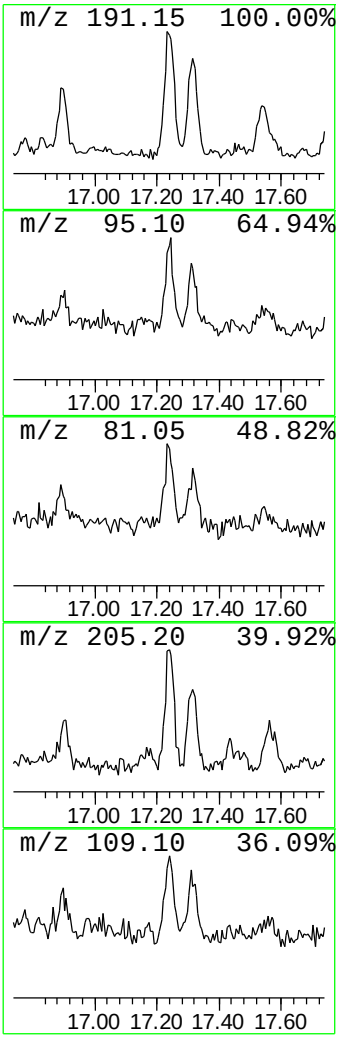
**********

Peak Number 14 Anthracene, 9-cyclohexyltet... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.24 | 5.38 ng | 146347 | Perylene-d12 | 15.51 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 9-cyclohexyltetradec... | 274 | C20H34 | 055255-70-4 | 50 |
| 2 | 1-Cyclohexene, 1,3,3-trimethyl-2... | 206 | C14H22O | 1000197-08-4 | 41 |
| 3 | Isoquinoline, 1,2,3,4-tetrahydro... | 283 | C18H21NO2 | 036646-87-4 | 35 |
| 4 | 1-Penten-3-one, 1-(2,6,6-trimeth... | 206 | C14H22O | 000127-43-5 | 30 |
| 5 | Phenol, 2,6-bis(1,1-dimethylethyl)- | 206 | C14H22O | 000128-39-2 | 30 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112117\
Data File : BF100795.D
Acq On : 21 Nov 2017 21:54
Operator : SJ/JU
Sample : I6499-07 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PG1-4-E(7-8)

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

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| 2-Pentanone, 4-hy... | 5.09 | 2.7 | ng | 63818 | 1 | 6.87 | 479090 | 20.0 |
| unknown6.64 | 6.64 | 39.6 | ng | 948836 | 1 | 6.87 | 479090 | 20.0 |
| n-Hexadecanoic acid | 11.92 | 7.9 | ng | 217590 | 4 | 11.39 | 550133 | 20.0 |
| unknown12.00 | 12.00 | 2.6 | ng | 72818 | 4 | 11.39 | 550133 | 20.0 |
| Phenanthrene, 2,5... | 12.44 | 2.1 | ng | 58298 | 4 | 11.39 | 550133 | 20.0 |
| Octadecanoic acid | 12.70 | 2.2 | ng | 61491 | 4 | 11.39 | 550133 | 20.0 |
| 11H-Benzo[a]fluor... | 13.67 | 2.2 | ng | 88219 | 5 | 14.03 | 793487 | 20.0 |
| unknown15.65 | 15.65 | 4.7 | ng | 127810 | 6 | 15.51 | 543879 | 20.0 |
| .beta.-iso-Methyl... | 16.66 | 12.0 | ng | 326562 | 6 | 15.51 | 543879 | 20.0 |
| Anthracene, 9-cyc... | 17.24 | 5.4 | ng | 146347 | 6 | 15.51 | 543879 | 20.0 |