LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082218\
Data File : BF108397.D
Acq On : 22 Aug 2018 21:39
Operator : JU/SJ
Sample : J4276-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OK-01-082118

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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 | 5.225 | 488 | 491 | 497 | rBV | 18375 | 20128 | 1.67% | 0.119% |
| 2 | 5.619 | 554 | 558 | 570 | rBV | 646995 | 571521 | 47.56% | 3.377% |
| 3 | 6.613 | 723 | 727 | 740 | rBV | 772107 | 655629 | 54.56% | 3.874% |
| 4 | 6.766 | 749 | 753 | 757 | rBV | 792185 | 636091 | 52.93% | 3.759% |
| 5 | 7.001 | 789 | 793 | 797 | rBV | 1075117 | 876410 | 72.93% | 5.179% |
| 6 | 7.154 | 815 | 819 | 823 | rBV | 605479 | 495940 | 41.27% | 2.930% |
| 7 | 7.560 | 884 | 888 | 897 | rBV | 440094 | 392853 | 32.69% | 2.321% |
| 8 | 8.284 | 1007 | 1011 | 1014 | rBV | 1354275 | 1124728 | 93.59% | 6.646% |
| 9 | 8.995 | 1129 | 1132 | 1139 | rBV | 44684 | 42468 | 3.53% | 0.251% |
| 10 | 9.095 | 1145 | 1149 | 1153 | rVB | 48601 | 43195 | 3.59% | 0.255% |
| 11 | 9.354 | 1190 | 1193 | 1200 | rBV | 1007560 | 775605 | 64.54% | 4.583% |
| 12 | 9.631 | 1235 | 1240 | 1243 | rBV2 | 26383 | 38219 | 3.18% | 0.226% |
| 13 | 9.701 | 1247 | 1252 | 1254 | rBV | 49678 | 46956 | 3.91% | 0.277% |
| 14 | 9.725 | 1254 | 1256 | 1258 | rVV | 24702 | 23552 | 1.96% | 0.139% |
| 15 | 9.748 | 1258 | 1260 | 1266 | rVB | 99095 | 90293 | 7.51% | 0.534% |
| 16 | 9.819 | 1266 | 1272 | 1274 | rBV | 26801 | 27619 | 2.30% | 0.163% |
| 17 | 9.907 | 1284 | 1287 | 1292 | rBV2 | 53889 | 50226 | 4.18% | 0.297% |
| 18 | 9.954 | 1292 | 1295 | 1298 | rBV | 20890 | 16569 | 1.38% | 0.098% |
| 19 | 10.048 | 1307 | 1311 | 1314 | rBV | 1385348 | 1201699 | 100.00% | 7.101% |
| 20 | 10.078 | 1314 | 1316 | 1319 | rVB | 155148 | 113920 | 9.48% | 0.673% |
| 21 | 10.148 | 1324 | 1328 | 1332 | rBV5 | 10068 | 15058 | 1.25% | 0.089% |
| 22 | 10.201 | 1332 | 1337 | 1341 | rBV5 | 8993 | 19402 | 1.61% | 0.115% |
| 23 | 10.248 | 1341 | 1345 | 1348 | rBV2 | 66732 | 67542 | 5.62% | 0.399% |
| 24 | 10.283 | 1348 | 1351 | 1354 | rVB2 | 29314 | 26056 | 2.17% | 0.154% |
| 25 | 10.360 | 1359 | 1364 | 1366 | rBV2 | 24934 | 29134 | 2.42% | 0.172% |
| 26 | 10.389 | 1366 | 1369 | 1373 | rVB | 18207 | 15991 | 1.33% | 0.094% |
| 27 | 10.454 | 1376 | 1380 | 1384 | rVB3 | 34579 | 37209 | 3.10% | 0.220% |
| 28 | 10.566 | 1397 | 1399 | 1401 | rBV2 | 15773 | 13660 | 1.14% | 0.081% |
| 29 | 10.595 | 1401 | 1404 | 1409 | rVB | 146699 | 132920 | 11.06% | 0.785% |
| 30 | 10.666 | 1413 | 1416 | 1417 | rBV | 14018 | 15149 | 1.26% | 0.090% |
| 31 | 10.748 | 1428 | 1430 | 1434 | rVB | 23552 | 24690 | 2.05% | 0.146% |
| 32 | 10.836 | 1441 | 1445 | 1449 | rBV | 358581 | 333369 | 27.74% | 1.970% |
| 33 | 10.942 | 1458 | 1463 | 1471 | rVB6 | 23484 | 53150 | 4.42% | 0.314% |
| 34 | 11.142 | 1491 | 1497 | 1500 | rBV2 | 40945 | 54209 | 4.51% | 0.320% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082218\
Data File : BF108397.D
Acq On : 22 Aug 2018 21:39
Operator : JU/SJ
Sample : J4276-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OK-01-082118

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 11.172 | 1500 | 1502 | 1505 | rVV2 | 26485 | 23022 | 1.92% | 0.136% |
| 36 | 11.230 | 1509 | 1512 | 1514 | rVB | 21396 | 21090 | 1.76% | 0.125% |
| 37 | 11.266 | 1514 | 1518 | 1521 | rBV5 | 13473 | 24561 | 2.04% | 0.145% |
| 38 | 11.295 | 1521 | 1523 | 1527 | rVB2 | 12392 | 13785 | 1.15% | 0.081% |
| 39 | 11.342 | 1528 | 1531 | 1535 | rVB2 | 16652 | 15713 | 1.31% | 0.093% |
| 40 | 11.377 | 1535 | 1537 | 1540 | rBV3 | 28349 | 27479 | 2.29% | 0.162% |
| 41 | 11.436 | 1545 | 1547 | 1552 | rVB | 57858 | 49000 | 4.08% | 0.290% |
| 42 | 11.542 | 1561 | 1565 | 1567 | rBV | 1240063 | 1067078 | 88.80% | 6.305% |
| 43 | 11.566 | 1567 | 1569 | 1572 | rVV | 758390 | 566411 | 47.13% | 3.347% |
| 44 | 11.619 | 1575 | 1578 | 1581 | rVV | 164002 | 147173 | 12.25% | 0.870% |
| 45 | 11.648 | 1581 | 1583 | 1586 | rVB | 21189 | 18633 | 1.55% | 0.110% |
| 46 | 11.772 | 1600 | 1604 | 1608 | rBV | 39183 | 42965 | 3.58% | 0.254% |
| 47 | 11.872 | 1618 | 1621 | 1626 | rVB | 43086 | 39519 | 3.29% | 0.234% |
| 48 | 11.960 | 1632 | 1636 | 1639 | rBV | 22535 | 25566 | 2.13% | 0.151% |
| 49 | 12.042 | 1647 | 1650 | 1653 | rBV | 114847 | 107068 | 8.91% | 0.633% |
| 50 | 12.072 | 1653 | 1655 | 1659 | rVB | 148192 | 115950 | 9.65% | 0.685% |
| 51 | 12.119 | 1659 | 1663 | 1666 | rBV | 51520 | 50510 | 4.20% | 0.298% |
| 52 | 12.160 | 1666 | 1670 | 1672 | rVV2 | 173696 | 201908 | 16.80% | 1.193% |
| 53 | 12.177 | 1672 | 1673 | 1677 | rVB | 84370 | 58665 | 4.88% | 0.347% |
| 54 | 12.219 | 1677 | 1680 | 1683 | rBV4 | 16257 | 15965 | 1.33% | 0.094% |
| 55 | 12.336 | 1697 | 1700 | 1703 | rBV | 66437 | 60082 | 5.00% | 0.355% |
| 56 | 12.366 | 1703 | 1705 | 1710 | rVB4 | 38543 | 42953 | 3.57% | 0.254% |
| 57 | 12.472 | 1720 | 1723 | 1724 | rBV | 14624 | 13416 | 1.12% | 0.079% |
| 58 | 12.489 | 1724 | 1726 | 1728 | rVV | 26370 | 21273 | 1.77% | 0.126% |
| 59 | 12.519 | 1728 | 1731 | 1733 | rVV | 40895 | 29819 | 2.48% | 0.176% |
| 60 | 12.542 | 1733 | 1735 | 1738 | rVB2 | 35653 | 27397 | 2.28% | 0.162% |
| 61 | 12.595 | 1740 | 1744 | 1747 | rBV | 92942 | 105925 | 8.81% | 0.626% |
| 62 | 12.630 | 1747 | 1750 | 1752 | rVV2 | 40601 | 51520 | 4.29% | 0.304% |
| 63 | 12.683 | 1756 | 1759 | 1768 | rBV4 | 42233 | 81082 | 6.75% | 0.479% |
| 64 | 12.760 | 1768 | 1772 | 1776 | rBV | 799150 | 659658 | 54.89% | 3.898% |
| 65 | 12.801 | 1776 | 1779 | 1780 | rBV2 | 19977 | 18478 | 1.54% | 0.109% |
| 66 | 12.824 | 1780 | 1783 | 1785 | rVB | 24261 | 19875 | 1.65% | 0.117% |
| 67 | 12.854 | 1785 | 1788 | 1791 | rBV | 26200 | 22183 | 1.85% | 0.131% |
| 68 | 12.913 | 1795 | 1798 | 1800 | rBV | 31145 | 29730 | 2.47% | 0.176% |
| 69 | 12.995 | 1805 | 1812 | 1817 | rBV | 659938 | 743780 | 61.89% | 4.395% |
| 70 | 13.042 | 1817 | 1820 | 1823 | rVB | 49910 | 53032 | 4.41% | 0.313% |
| 71 | 13.124 | 1823 | 1834 | 1837 | rBV | 644120 | 616018 | 51.26% | 3.640% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082218\
Data File : BF108397.D
Acq On : 22 Aug 2018 21:39
Operator : JU/SJ
Sample : J4276-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OK-01-082118

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 13.148 | 1837 | 1838 | 1842 | rVB | 37515 | 26938 | 2.24% | 0.159% |
| 73 | 13.213 | 1844 | 1849 | 1853 | rBV3 | 50173 | 90728 | 7.55% | 0.536% |
| 74 | 13.319 | 1859 | 1867 | 1871 | rBV | 131069 | 169333 | 14.09% | 1.001% |
| 75 | 13.383 | 1876 | 1878 | 1881 | rVV | 108723 | 95805 | 7.97% | 0.566% |
| 76 | 13.424 | 1881 | 1885 | 1887 | rVV2 | 85205 | 87819 | 7.31% | 0.519% |
| 77 | 13.448 | 1887 | 1889 | 1892 | rVB3 | 26964 | 29388 | 2.45% | 0.174% |
| 78 | 13.519 | 1898 | 1901 | 1904 | rBV | 58960 | 48381 | 4.03% | 0.286% |
| 79 | 13.548 | 1904 | 1906 | 1909 | rVV | 49725 | 48199 | 4.01% | 0.285% |
| 80 | 13.801 | 1946 | 1949 | 1952 | rBV3 | 38770 | 51140 | 4.26% | 0.302% |
| 81 | 13.830 | 1952 | 1954 | 1958 | rVB2 | 38564 | 46918 | 3.90% | 0.277% |
| 82 | 13.942 | 1971 | 1973 | 1976 | rBV | 50209 | 39084 | 3.25% | 0.231% |
| 83 | 13.971 | 1976 | 1978 | 1980 | rVB | 44303 | 32865 | 2.73% | 0.194% |
| 84 | 14.007 | 1980 | 1984 | 1986 | rBV2 | 46593 | 64012 | 5.33% | 0.378% |
| 85 | 14.195 | 2011 | 2016 | 2019 | rBV2 | 1007202 | 1161369 | 96.64% | 6.862% |
| 86 | 14.218 | 2019 | 2020 | 2026 | rVB | 294662 | 221330 | 18.42% | 1.308% |
| 87 | 14.277 | 2028 | 2030 | 2032 | rBV3 | 26803 | 20018 | 1.67% | 0.118% |
| 88 | 14.301 | 2032 | 2034 | 2036 | rBV | 61041 | 51679 | 4.30% | 0.305% |
| 89 | 15.283 | 2197 | 2201 | 2204 | rBV | 172354 | 246151 | 20.48% | 1.454% |
| 90 | 15.612 | 2254 | 2257 | 2263 | rVB | 104335 | 145061 | 12.07% | 0.857% |
| 91 | 15.683 | 2265 | 2269 | 2274 | rBV | 166038 | 213958 | 17.80% | 1.264% |
| 92 | 15.754 | 2275 | 2281 | 2285 | rBV | 509503 | 723814 | 60.23% | 4.277% |

Sum of corrected areas: 16923432

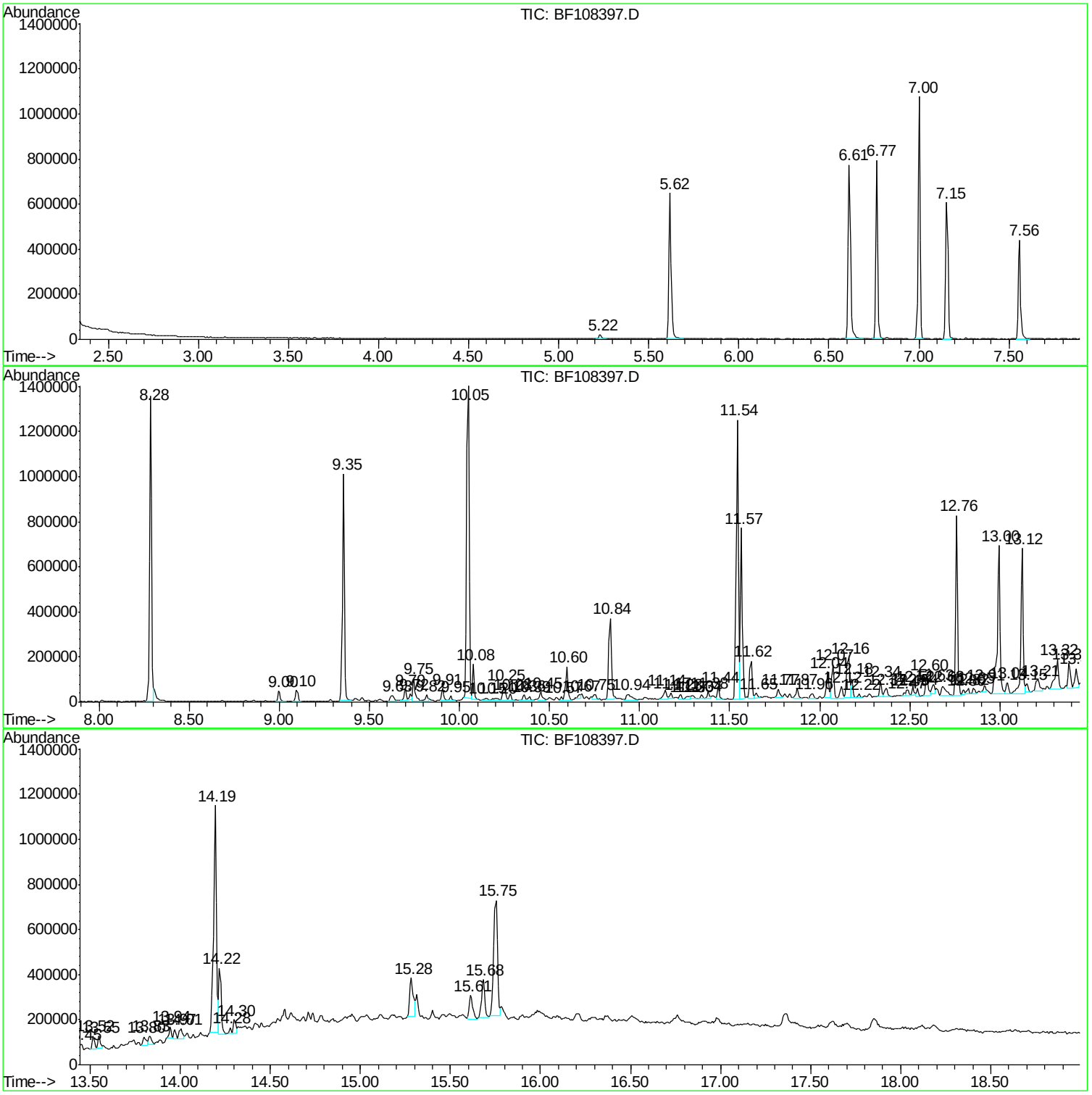
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082218\
Data File : BF108397.D
Acq On : 22 Aug 2018 21:39
Operator : JU/SJ
Sample : J4276-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OK-01-082118

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082218\
Data File : BF108397.D
Acq On : 22 Aug 2018 21:39
Operator : JU/SJ
Sample : J4276-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OK-01-082118

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

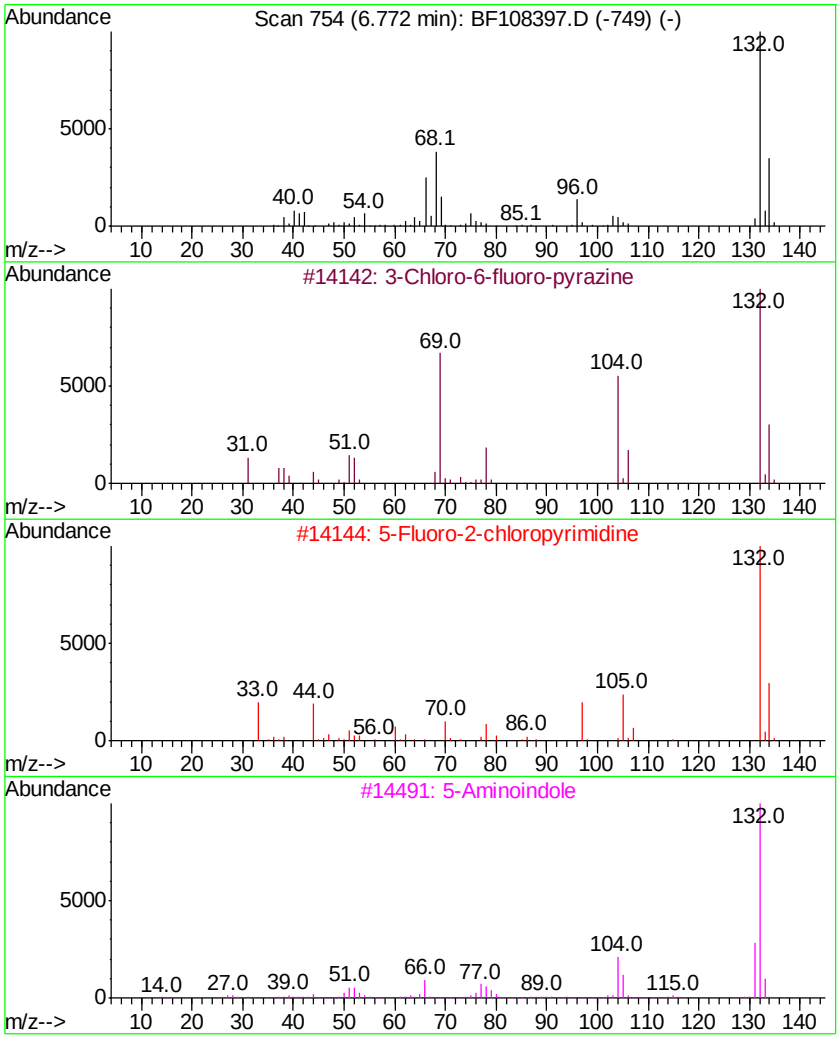
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

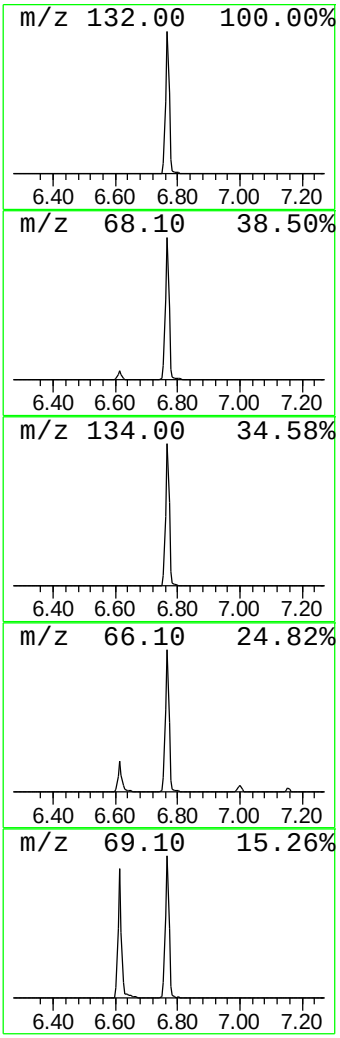
**********

Peak Number 1 unknown6.77 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.77 | 14.52 ng | 636091 | 1,4-Dichlorobenzene-d4 | 7.00 |

| 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 | Xenon | 132 | Xe | 007440-63-3 | 9 |
| 5 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12 | 028749-81-7 | 9 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082218\
Data File : BF108397.D
Acq On : 22 Aug 2018 21:39
Operator : JU/SJ
Sample : J4276-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OK-01-082118

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

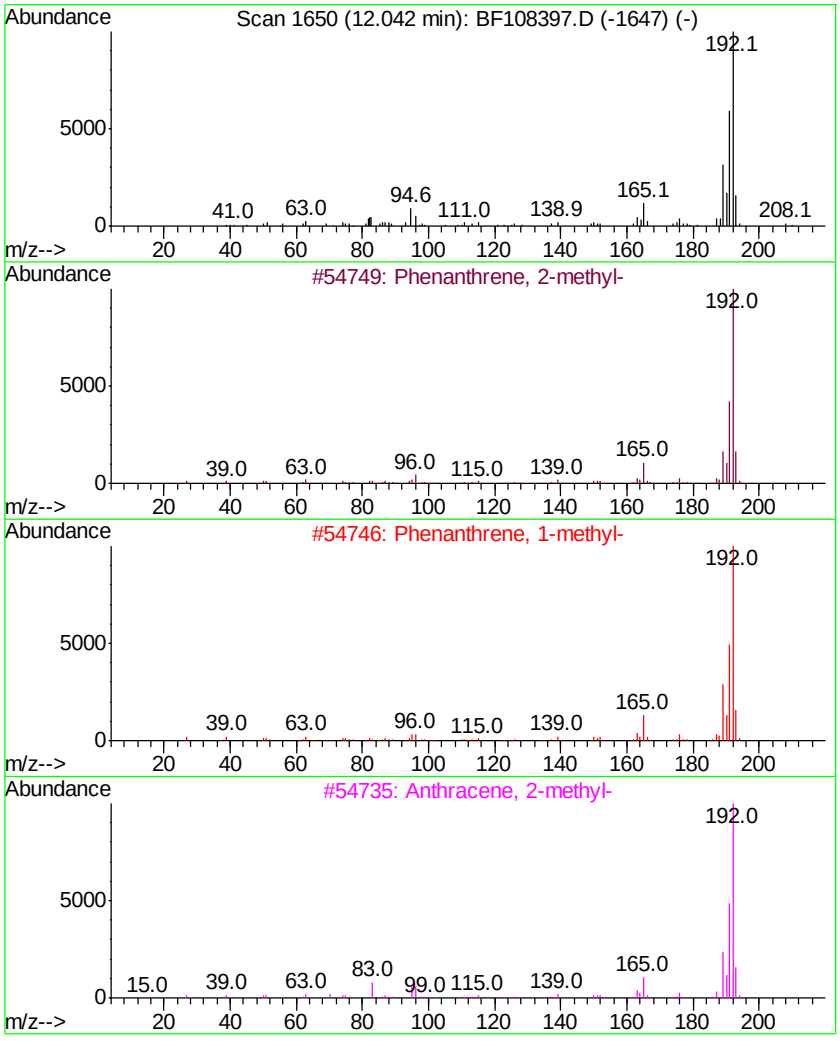
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

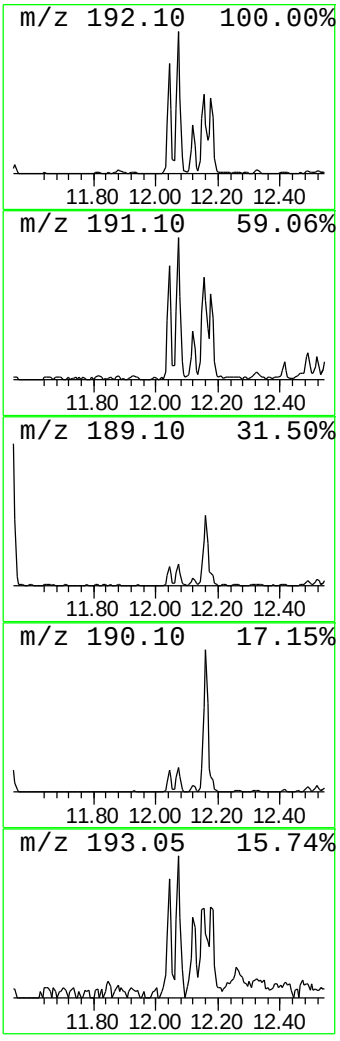
**********

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.04 | 2.01 ng | 107068 | Phenanthrene-d10 | 11.54 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 96 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 96 |
| 3 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 96 |
| 4 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 95 |
| 5 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 95 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082218\
Data File : BF108397.D
Acq On : 22 Aug 2018 21:39
Operator : JU/SJ
Sample : J4276-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OK-01-082118

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

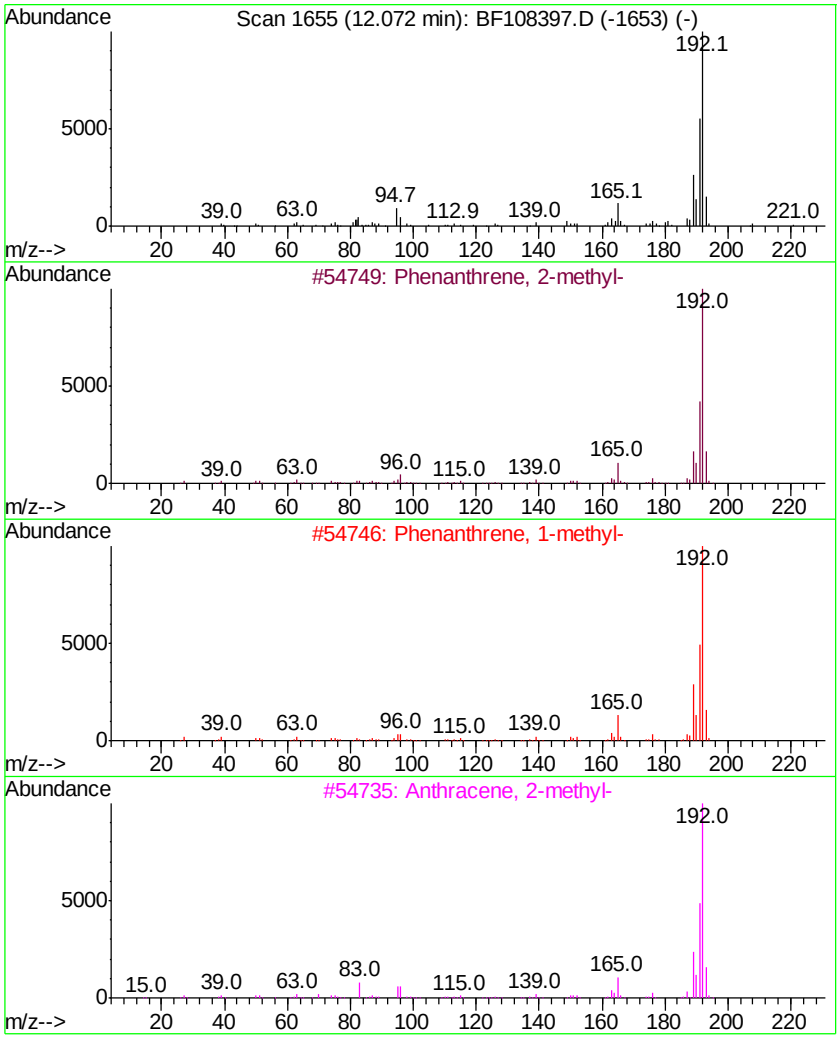
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

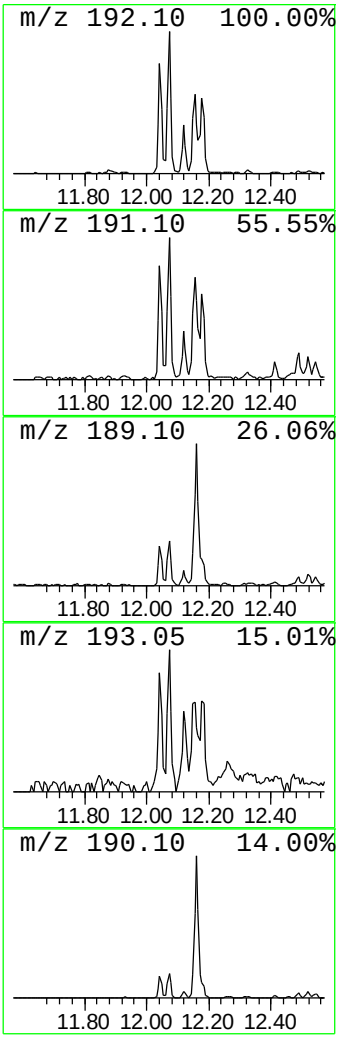
**********

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.07 | 2.17 ng | 115950 | Phenanthrene-d10 | 11.54 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 97 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 96 |
| 3 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 96 |
| 4 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 95 |
| 5 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 95 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082218\
Data File : BF108397.D
Acq On : 22 Aug 2018 21:39
Operator : JU/SJ
Sample : J4276-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OK-01-082118

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

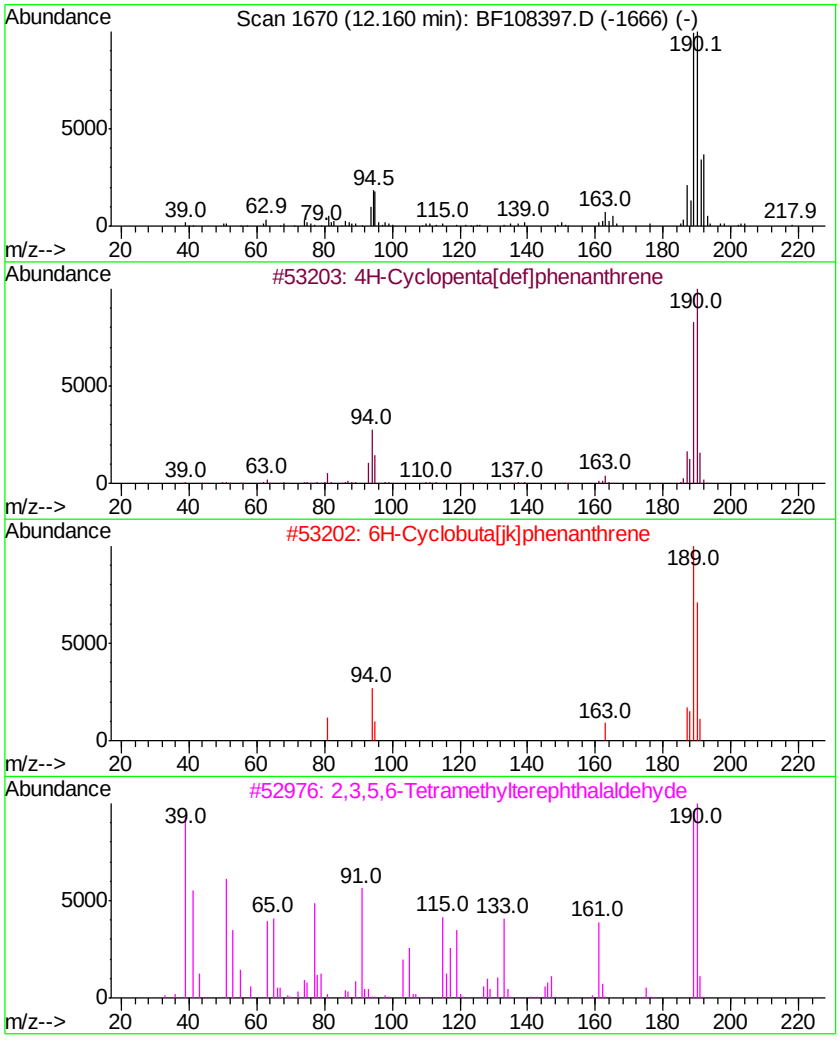
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

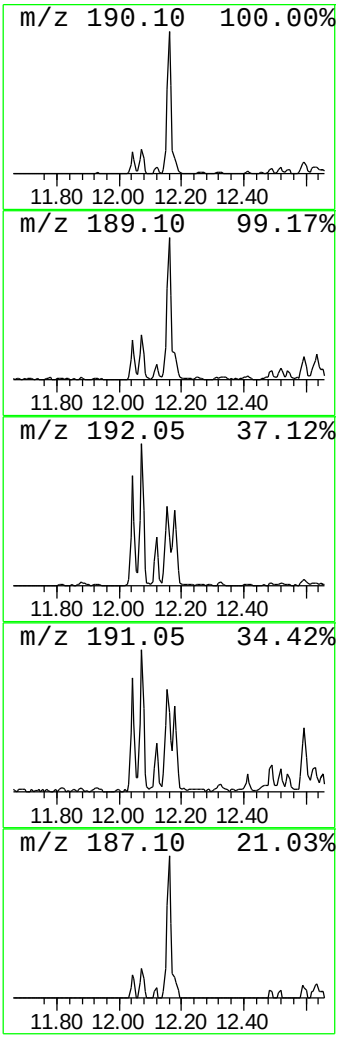
**********

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.16 | 3.78 ng | 201908 | Phenanthrene-d10 | 11.54 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 96 |
| 2 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 50 |
| 3 | 2,3,5,6-Tetramethylterephthalald... | 190 | C12H14O2 | 007072-01-7 | 47 |
| 4 | 2,2'-Bis(4,5-dimethylimidazole) | 190 | C10H14N4 | 069286-06-2 | 42 |
| 5 | Pyrazole-4-carboxaldehyde, 3-(4-... | 190 | C10H7FN2O | 306936-57-2 | 40 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082218\
Data File : BF108397.D
Acq On : 22 Aug 2018 21:39
Operator : JU/SJ
Sample : J4276-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OK-01-082118

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

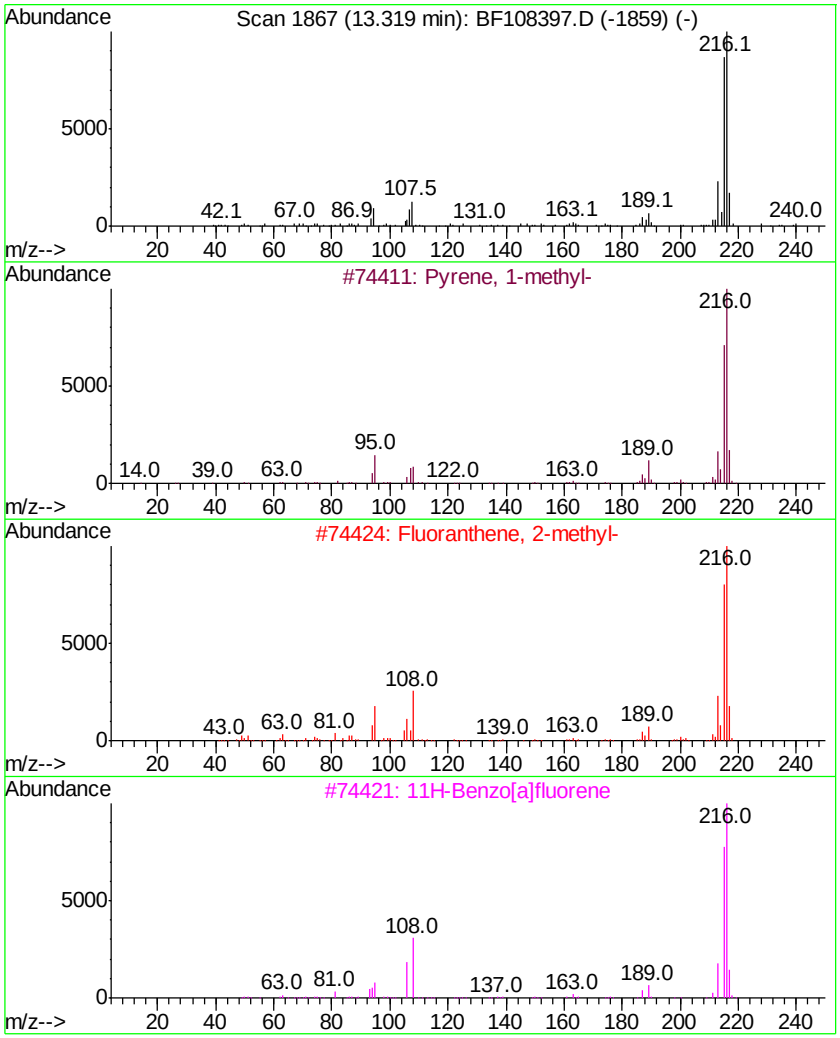
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

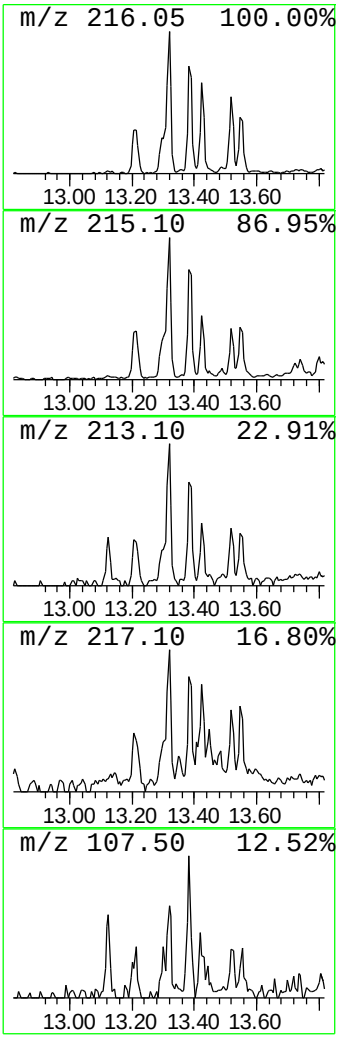
**********

Peak Number 6 Pyrene, 1-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.32 | 2.92 ng | 169333 | Chrysene-d12 | 14.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 93 |
| 2 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 91 |
| 3 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 91 |
| 4 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 90 |
| 5 | 7H-Benzo[c]fluorene | 216 | C17H12 | 000205-12-9 | 81 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082218\
Data File : BF108397.D
Acq On : 22 Aug 2018 21:39
Operator : JU/SJ
Sample : J4276-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OK-01-082118

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

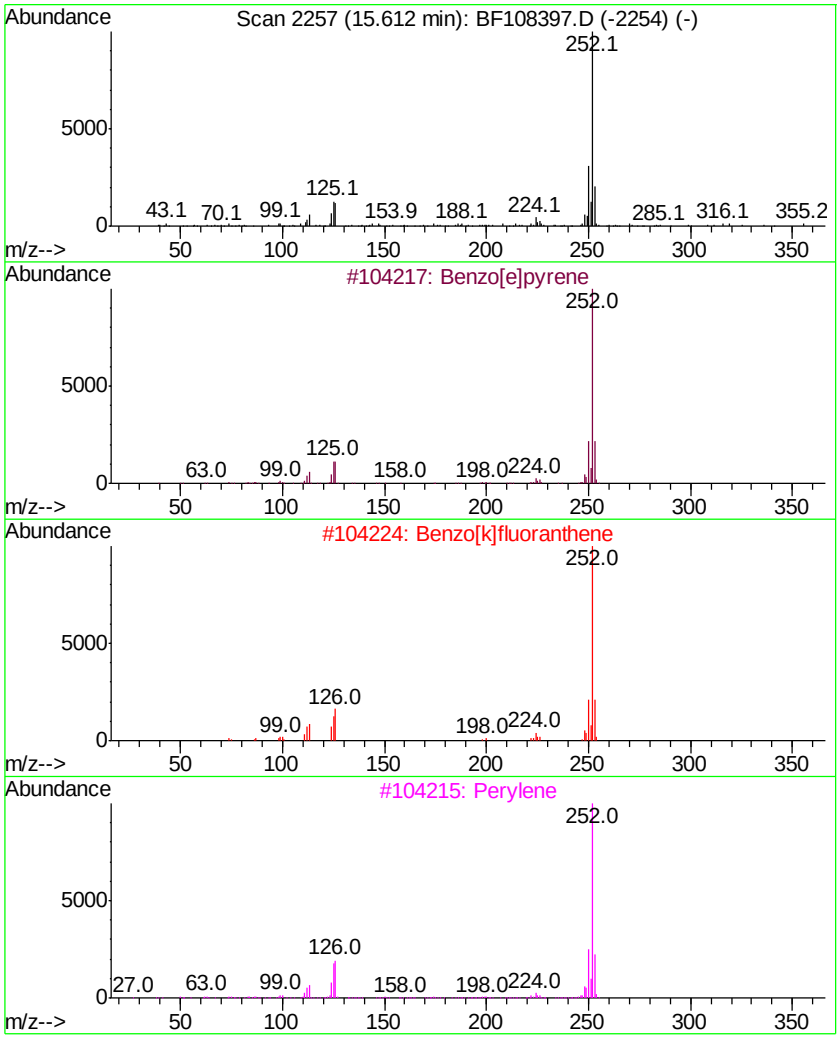
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

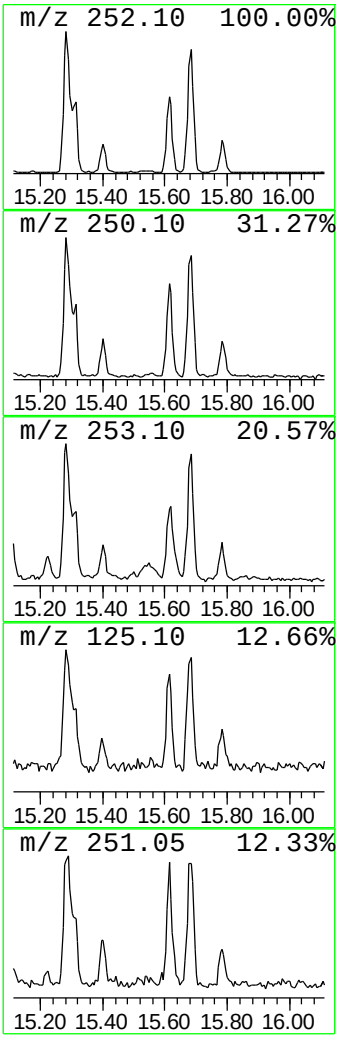
**********

Peak Number 7 Benzo[e]pyrene Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.61 | 4.01 ng | 145061 | Perylene-d12 | 15.75 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 96 |
| 2 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 93 |
| 3 | Perylene | 252 | C20H12 | 000198-55-0 | 90 |
| 4 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 90 |
| 5 | Benz[e]acephenanthrylene | 252 | C20H12 | 000205-99-2 | 89 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082218\
Data File : BF108397.D
Acq On : 22 Aug 2018 21:39
Operator : JU/SJ
Sample : J4276-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OK-01-082118

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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 |
| unknown6.77 | 6.77 | 14.5 | ng | 636091 | 1 | 7.00 | 876410 | 20.0 |
| Phenanthrene, 2-m... | 12.04 | 2.0 | ng | 107068 | 4 | 11.54 | 1067080 | 20.0 |
| Phenanthrene, 1-m... | 12.07 | 2.2 | ng | 115950 | 4 | 11.54 | 1067080 | 20.0 |
| 4H-Cyclopenta[def... | 12.16 | 3.8 | ng | 201908 | 4 | 11.54 | 1067080 | 20.0 |
| Pyrene, 1-methyl- | 13.32 | 2.9 | ng | 169333 | 5 | 14.19 | 1161370 | 20.0 |
| Benzo[e]pyrene | 15.61 | 4.0 | ng | 145061 | 6 | 15.75 | 723814 | 20.0 |