LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
Data File : BF135380.D
Acq On : 21 Sep 2023 15:04
Operator : CG\JU
Sample : 04501-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-3

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-BF091123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF135380.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.393 | 558 | 562 | 585 | rBV | 3017719 | 3235344 | 100.00% | 9.213% |
| 2 | 6.404 | 729 | 734 | 737 | rBV | 3108827 | 3175820 | 98.16% | 9.043% |
| 3 | 6.757 | 790 | 794 | 801 | rBV | 1089920 | 873073 | 26.99% | 2.486% |
| 4 | 7.322 | 885 | 890 | 893 | rBV | 2220978 | 2065347 | 63.84% | 5.881% |
| 5 | 8.034 | 1007 | 1011 | 1014 | rBV | 1320659 | 1084141 | 33.51% | 3.087% |
| 6 | 8.845 | 1145 | 1149 | 1152 | rBV | 50554 | 41332 | 1.28% | 0.118% |
| 7 | 9.116 | 1190 | 1195 | 1198 | rBV | 3445346 | 3101510 | 95.86% | 8.832% |
| 8 | 9.381 | 1236 | 1240 | 1243 | rBV2 | 27686 | 37532 | 1.16% | 0.107% |
| 9 | 9.451 | 1248 | 1252 | 1254 | rBV | 70809 | 66033 | 2.04% | 0.188% |
| 10 | 9.475 | 1254 | 1256 | 1261 | rVB2 | 29832 | 37681 | 1.16% | 0.107% |
| 11 | 9.569 | 1269 | 1272 | 1278 | rVB | 36598 | 43884 | 1.36% | 0.125% |
| 12 | 9.651 | 1283 | 1286 | 1291 | rBV | 174787 | 144424 | 4.46% | 0.411% |
| 13 | 9.792 | 1303 | 1310 | 1313 | rBV | 1217288 | 1053036 | 32.55% | 2.999% |
| 14 | 9.822 | 1313 | 1315 | 1319 | rVB | 71718 | 63017 | 1.95% | 0.179% |
| 15 | 9.998 | 1340 | 1345 | 1348 | rBV2 | 49343 | 53769 | 1.66% | 0.153% |
| 16 | 10.034 | 1348 | 1351 | 1355 | rVB | 46041 | 37348 | 1.15% | 0.106% |
| 17 | 10.110 | 1360 | 1364 | 1367 | rBV2 | 52254 | 57567 | 1.78% | 0.164% |
| 18 | 10.198 | 1375 | 1379 | 1381 | rBV2 | 35838 | 45681 | 1.41% | 0.130% |
| 19 | 10.339 | 1400 | 1403 | 1409 | rVB2 | 89480 | 102730 | 3.18% | 0.293% |
| 20 | 10.586 | 1441 | 1445 | 1457 | rVB | 1565193 | 1552266 | 47.98% | 4.420% |
| 21 | 10.710 | 1462 | 1466 | 1470 | rVB3 | 59589 | 74074 | 2.29% | 0.211% |
| 22 | 10.892 | 1492 | 1497 | 1499 | rBV3 | 50562 | 62930 | 1.95% | 0.179% |
| 23 | 10.922 | 1499 | 1502 | 1504 | rVB2 | 39887 | 37112 | 1.15% | 0.106% |
| 24 | 11.092 | 1528 | 1531 | 1534 | rVB2 | 55869 | 48371 | 1.50% | 0.138% |
| 25 | 11.181 | 1543 | 1546 | 1552 | rVB | 97265 | 93923 | 2.90% | 0.267% |
| 26 | 11.286 | 1560 | 1564 | 1566 | rBV | 947018 | 931629 | 28.80% | 2.653% |
| 27 | 11.310 | 1566 | 1568 | 1571 | rVV | 926861 | 746809 | 23.08% | 2.127% |
| 28 | 11.363 | 1574 | 1577 | 1579 | rVB | 137358 | 120551 | 3.73% | 0.343% |
| 29 | 11.398 | 1579 | 1583 | 1585 | rBV2 | 44372 | 45657 | 1.41% | 0.130% |
| 30 | 11.522 | 1600 | 1604 | 1609 | rBV2 | 63251 | 91945 | 2.84% | 0.262% |
| 31 | 11.580 | 1612 | 1614 | 1616 | rVV | 74538 | 57378 | 1.77% | 0.163% |
| 32 | 11.616 | 1617 | 1620 | 1625 | rVB2 | 97059 | 103276 | 3.19% | 0.294% |
| 33 | 11.698 | 1628 | 1634 | 1638 | rVB2 | 61141 | 96209 | 2.97% | 0.274% |
| 34 | 11.745 | 1639 | 1642 | 1645 | rBV | 38441 | 41769 | 1.29% | 0.119% |
| 35 | 11.786 | 1646 | 1649 | 1652 | rVV | 318067 | 303831 | 9.39% | 0.865% |
| 36 | 11.816 | 1652 | 1654 | 1659 | rVV2 | 532641 | 544796 | 16.84% | 1.551% |

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Sample : 04501-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-3

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-BF091123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 11.863 | 1659 | 1662 | 1665 | rVV2 | 73904 | 93275 | 2.88% | 0.266% |
| 38 | 11.898 | 1665 | 1668 | 1670 | rVV2 | 408913 | 398075 | 12.30% | 1.134% |
| 39 | 11.922 | 1670 | 1672 | 1678 | rVB | 245121 | 219991 | 6.80% | 0.626% |
| 40 | 11.992 | 1678 | 1684 | 1687 | rBV3 | 40635 | 81235 | 2.51% | 0.231% |
| 41 | 12.022 | 1687 | 1689 | 1693 | rVV | 61805 | 55267 | 1.71% | 0.157% |
| 42 | 12.086 | 1697 | 1700 | 1702 | rVV2 | 160326 | 155147 | 4.80% | 0.442% |
| 43 | 12.116 | 1702 | 1705 | 1710 | rVB | 176199 | 174939 | 5.41% | 0.498% |
| 44 | 12.233 | 1723 | 1725 | 1728 | rVV | 83961 | 77403 | 2.39% | 0.220% |
| 45 | 12.269 | 1728 | 1731 | 1733 | rVV | 126429 | 107688 | 3.33% | 0.307% |
| 46 | 12.292 | 1733 | 1735 | 1738 | rVB | 97250 | 75675 | 2.34% | 0.215% |
| 47 | 12.339 | 1738 | 1743 | 1746 | rBV | 309799 | 328130 | 10.14% | 0.934% |
| 48 | 12.375 | 1746 | 1749 | 1752 | rVV2 | 151590 | 195773 | 6.05% | 0.557% |
| 49 | 12.398 | 1752 | 1753 | 1755 | rVB | 101860 | 54687 | 1.69% | 0.156% |
| 50 | 12.433 | 1755 | 1759 | 1762 | rBV3 | 144298 | 192581 | 5.95% | 0.548% |
| 51 | 12.504 | 1767 | 1771 | 1775 | rBV | 1220035 | 1032038 | 31.90% | 2.939% |
| 52 | 12.551 | 1776 | 1779 | 1780 | rBV | 68731 | 55443 | 1.71% | 0.158% |
| 53 | 12.569 | 1780 | 1782 | 1785 | rVV2 | 58040 | 50852 | 1.57% | 0.145% |
| 54 | 12.604 | 1785 | 1788 | 1792 | rVV2 | 83971 | 123825 | 3.83% | 0.353% |
| 55 | 12.657 | 1792 | 1797 | 1800 | rVV3 | 79638 | 132950 | 4.11% | 0.379% |
| 56 | 12.733 | 1804 | 1810 | 1813 | rBV | 1298421 | 1274333 | 39.39% | 3.629% |
| 57 | 12.792 | 1817 | 1820 | 1823 | rVB2 | 129299 | 135903 | 4.20% | 0.387% |
| 58 | 12.851 | 1826 | 1830 | 1831 | rBV2 | 46830 | 50264 | 1.55% | 0.143% |
| 59 | 12.880 | 1831 | 1835 | 1842 | rVB | 2440183 | 2288231 | 70.73% | 6.516% |
| 60 | 12.951 | 1843 | 1847 | 1855 | rBV4 | 162913 | 273658 | 8.46% | 0.779% |
| 61 | 13.010 | 1855 | 1857 | 1859 | rBV | 51582 | 38490 | 1.19% | 0.110% |
| 62 | 13.045 | 1859 | 1863 | 1864 | rBV3 | 133356 | 153051 | 4.73% | 0.436% |
| 63 | 13.063 | 1864 | 1866 | 1870 | rVB | 219459 | 221396 | 6.84% | 0.630% |
| 64 | 13.110 | 1871 | 1874 | 1876 | rBV3 | 49558 | 58095 | 1.80% | 0.165% |
| 65 | 13.133 | 1876 | 1878 | 1880 | rVV | 131035 | 96487 | 2.98% | 0.275% |
| 66 | 13.169 | 1880 | 1884 | 1888 | rVV2 | 239932 | 220337 | 6.81% | 0.627% |
| 67 | 13.263 | 1897 | 1900 | 1902 | rVV | 204788 | 153914 | 4.76% | 0.438% |
| 68 | 13.292 | 1902 | 1905 | 1908 | rVV | 194561 | 162772 | 5.03% | 0.463% |
| 69 | 13.386 | 1918 | 1921 | 1924 | rVB3 | 37372 | 42463 | 1.31% | 0.121% |
| 70 | 13.463 | 1932 | 1934 | 1937 | rBV3 | 27805 | 39788 | 1.23% | 0.113% |
| 71 | 13.551 | 1947 | 1949 | 1951 | rBV3 | 37167 | 39570 | 1.22% | 0.113% |
| 72 | 13.580 | 1951 | 1954 | 1958 | rVB | 142279 | 150170 | 4.64% | 0.428% |
| 73 | 13.639 | 1961 | 1964 | 1967 | rVB | 63878 | 50624 | 1.56% | 0.144% |
| 74 | 13.692 | 1967 | 1973 | 1975 | rBV2 | 174222 | 255594 | 7.90% | 0.728% |
| 75 | 13.716 | 1975 | 1977 | 1979 | rVV | 132412 | 103140 | 3.19% | 0.294% |
| 76 | 13.739 | 1979 | 1981 | 1983 | rVV | 88442 | 86753 | 2.68% | 0.247% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
Data File : BF135380.D
Acq On : 21 Sep 2023 15:04
Operator : CG\JU
Sample : 04501-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-3

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-BF091123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 13.792 | 1987 | 1990 | 1993 | rVB | 147077 | 133283 | 4.12% | 0.380% |
| 78 | 13.863 | 1999 | 2002 | 2003 | rBV | 41546 | 39770 | 1.23% | 0.113% |
| 79 | 13.939 | 2010 | 2015 | 2018 | rBV2 | 963649 | 1346313 | 41.61% | 3.834% |
| 80 | 13.969 | 2018 | 2020 | 2028 | rVB | 603506 | 538976 | 16.66% | 1.535% |
| 81 | 14.027 | 2028 | 2030 | 2032 | rBV | 72833 | 61966 | 1.92% | 0.176% |
| 82 | 14.092 | 2039 | 2041 | 2042 | rBV | 68931 | 53707 | 1.66% | 0.153% |
| 83 | 14.198 | 2057 | 2059 | 2063 | rVB3 | 42737 | 49162 | 1.52% | 0.140% |
| 84 | 14.263 | 2067 | 2070 | 2073 | rBV3 | 44330 | 53279 | 1.65% | 0.152% |
| 85 | 14.298 | 2073 | 2076 | 2077 | rBV | 60086 | 58235 | 1.80% | 0.166% |
| 86 | 14.333 | 2077 | 2082 | 2085 | rVB | 203937 | 224507 | 6.94% | 0.639% |
| 87 | 14.363 | 2085 | 2087 | 2091 | rBV | 118374 | 107577 | 3.33% | 0.306% |
| 88 | 14.457 | 2100 | 2103 | 2105 | rBV | 131272 | 118941 | 3.68% | 0.339% |
| 89 | 14.480 | 2105 | 2107 | 2110 | rVB2 | 76636 | 64667 | 2.00% | 0.184% |
| 90 | 14.527 | 2113 | 2115 | 2118 | rVB2 | 54618 | 48363 | 1.49% | 0.138% |
| 91 | 14.721 | 2145 | 2148 | 2151 | rBV2 | 55780 | 73253 | 2.26% | 0.209% |
| 92 | 14.827 | 2163 | 2166 | 2169 | rBV4 | 49576 | 53970 | 1.67% | 0.154% |
| 93 | 14.980 | 2188 | 2192 | 2196 | rBV | 326227 | 508071 | 15.70% | 1.447% |
| 94 | 15.092 | 2208 | 2211 | 2214 | rVB | 68215 | 71009 | 2.19% | 0.202% |
| 95 | 15.280 | 2240 | 2243 | 2249 | rVB | 224898 | 283652 | 8.77% | 0.808% |
| 96 | 15.345 | 2250 | 2254 | 2259 | rVV | 287713 | 357479 | 11.05% | 1.018% |
| 97 | 15.410 | 2260 | 2265 | 2268 | rVV | 490811 | 616491 | 19.05% | 1.755% |
| 98 | 15.439 | 2268 | 2270 | 2277 | rVB2 | 88773 | 114206 | 3.53% | 0.325% |
| 99 | 16.886 | 2511 | 2516 | 2523 | rVB2 | 93791 | 194074 | 6.00% | 0.553% |
| 100 | 17.333 | 2587 | 2592 | 2603 | rVB2 | 79151 | 175585 | 5.43% | 0.500% |

Sum of corrected areas: 35118338

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
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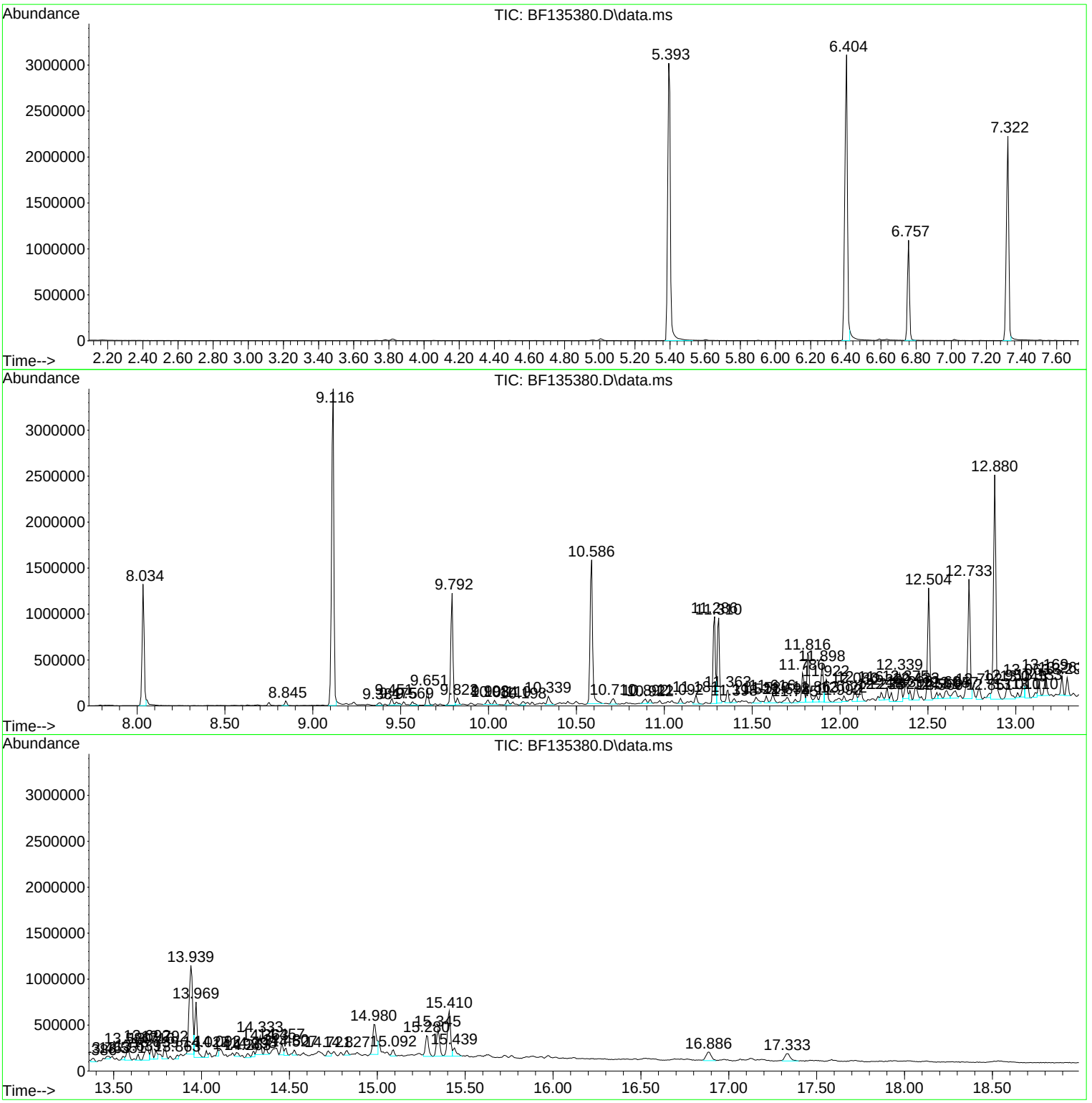
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
Data File : BF135380.D
Acq On : 21 Sep 2023 15:04
Operator : CG\JU
Sample : 04501-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

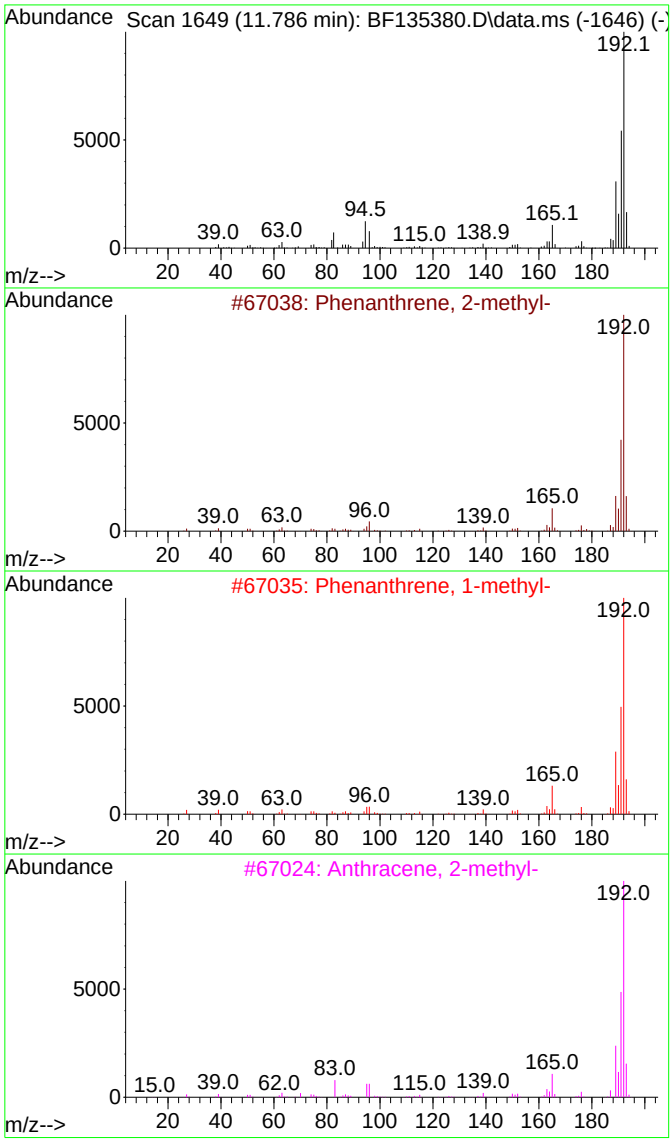
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

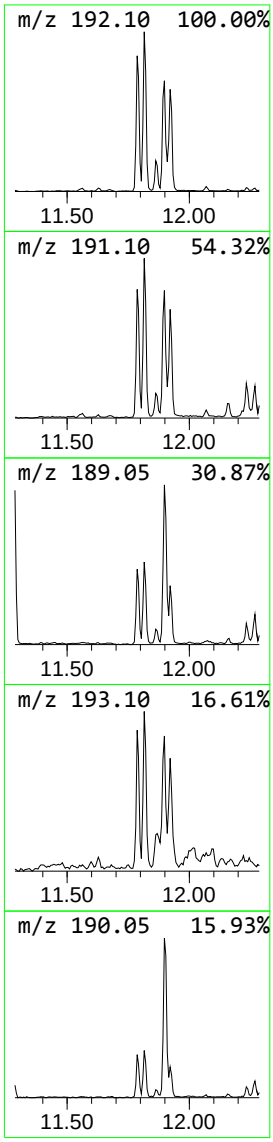
**********

Peak Number 1 Phenanthrene, 2-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.786 | 6.52 ng | 303831 | Phenanthrene-d10 | 11.286 |

| 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 | 95 |
| 4 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 91 |
| 5 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
Data File : BF135380.D
Acq On : 21 Sep 2023 15:04
Operator : CG\JU
Sample : 04501-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-3

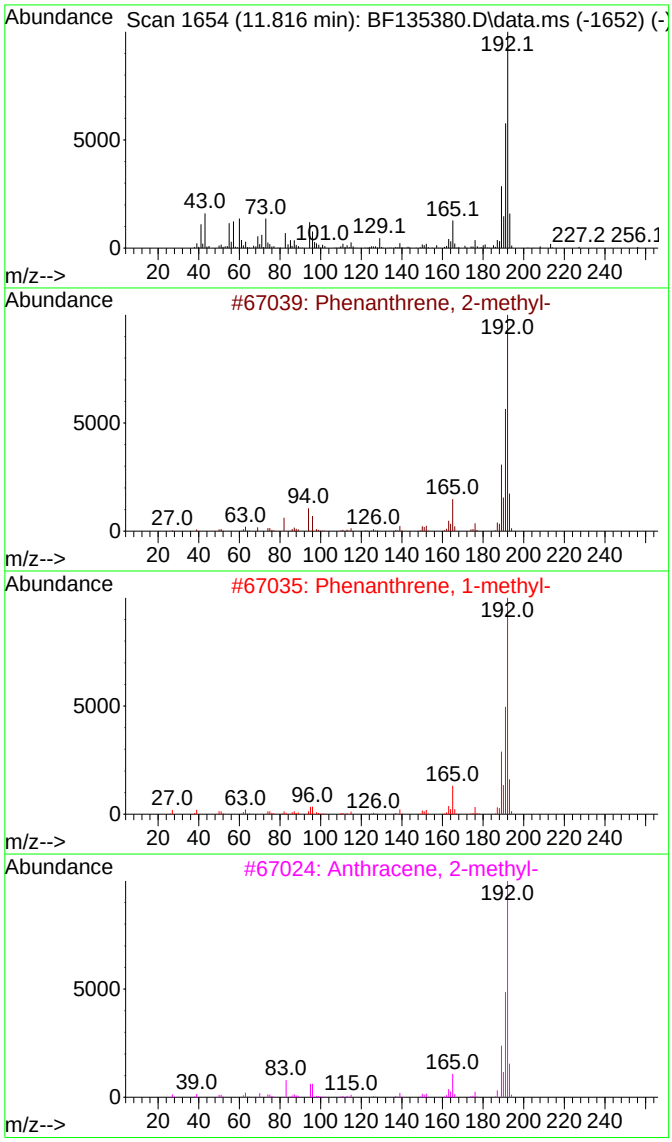
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

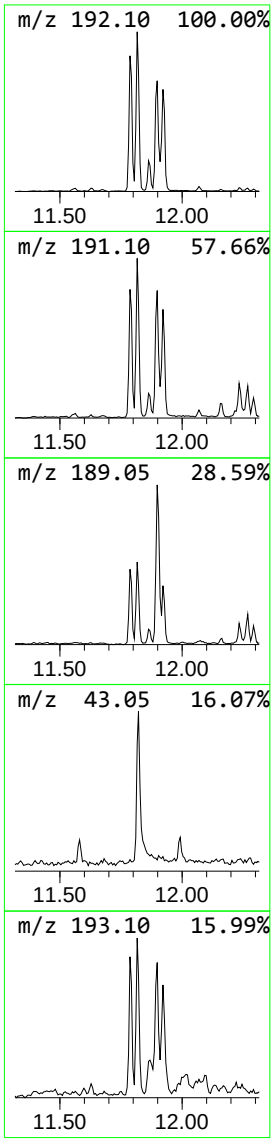
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.816 | 11.70 ng | 544796 | Phenanthrene-d10 | 11.286 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 98 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 96 |
| 3 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 96 |
| 4 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 95 |
| 5 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 95 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
Data File : BF135380.D
Acq On : 21 Sep 2023 15:04
Operator : CG\JU
Sample : 04501-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

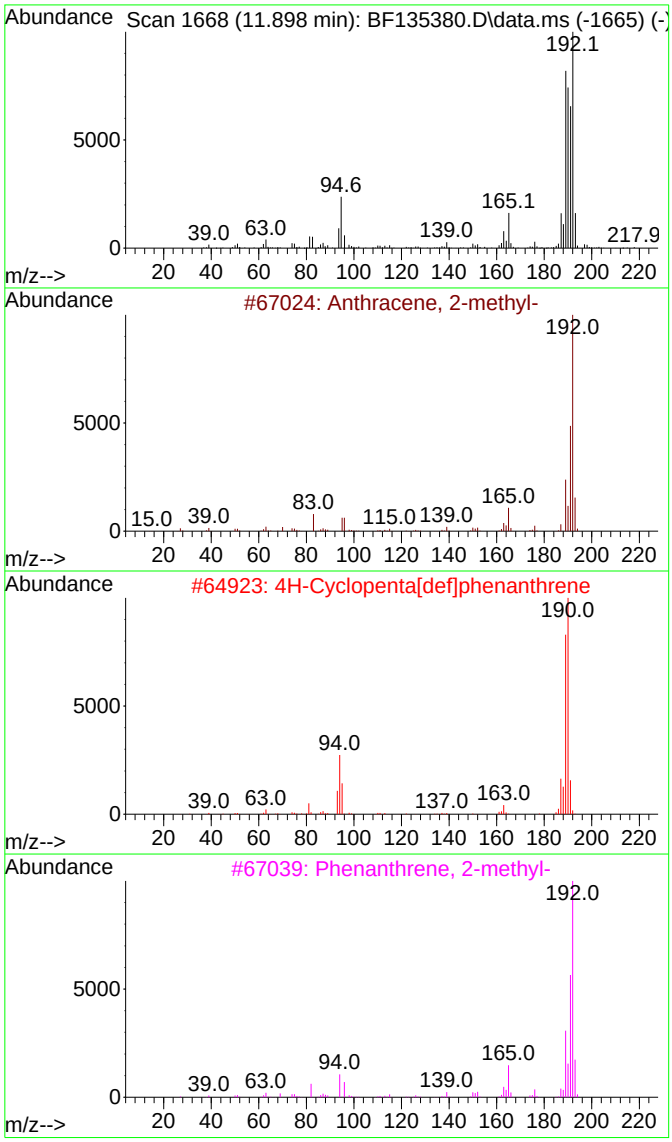
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

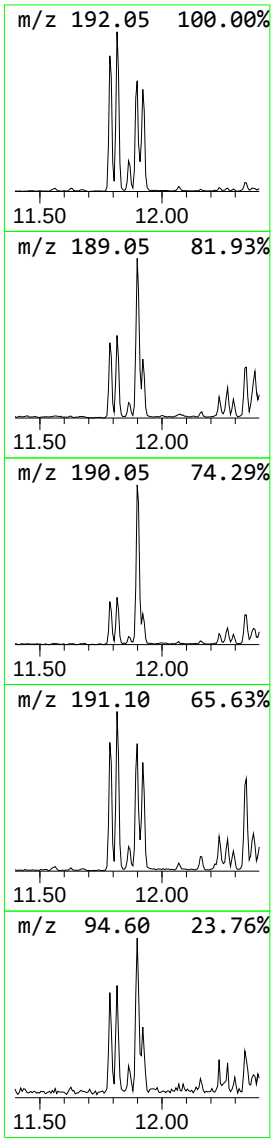
**********

Peak Number 3 Anthracene, 2-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.898 | 8.55 ng | 398075 | Phenanthrene-d10 | 11.286 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 83 |
| 2 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 60 |
| 3 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 46 |
| 4 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 46 |
| 5 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 42 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
Data File : BF135380.D
Acq On : 21 Sep 2023 15:04
Operator : CG\JU
Sample : 04501-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-3

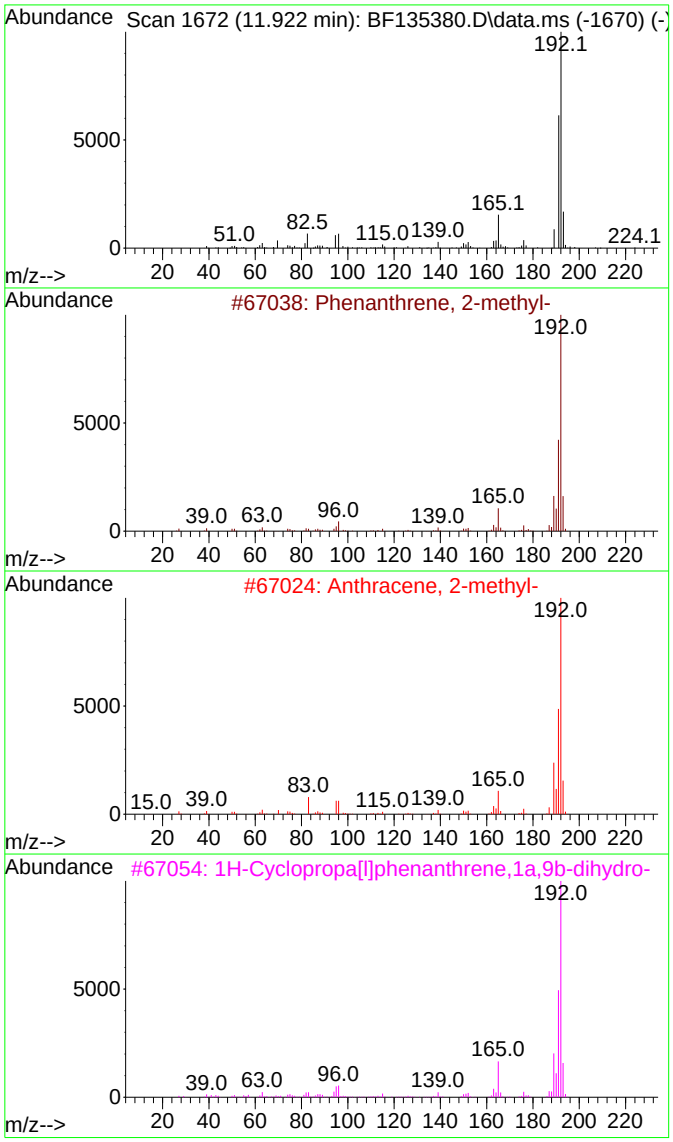
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

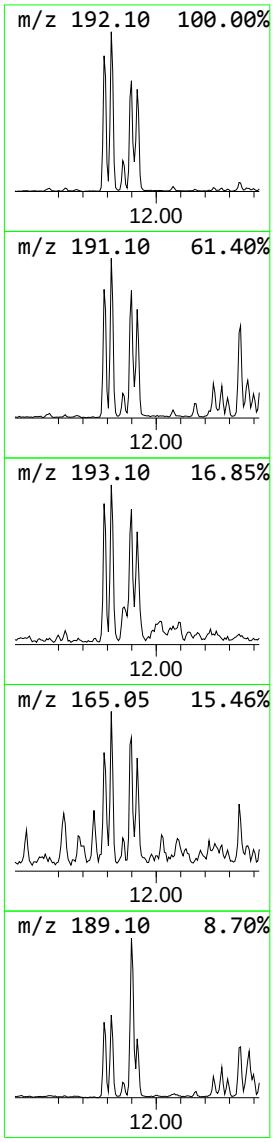
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 1H-Cyclopropa[l]phenanthren... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.922 | 4.72 ng | 219991 | Phenanthrene-d10 | 11.286 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 95 |
| 2 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 94 |
| 3 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 91 |
| 4 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 91 |
| 5 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
Data File : BF135380.D
Acq On : 21 Sep 2023 15:04
Operator : CG\JU
Sample : 04501-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-3

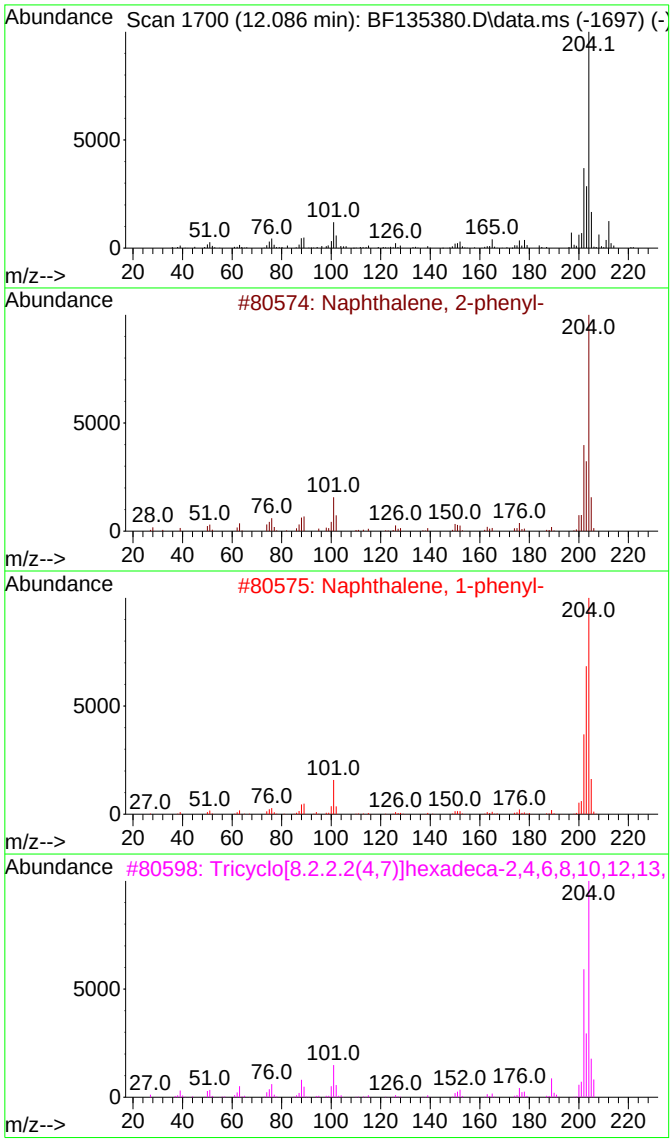
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

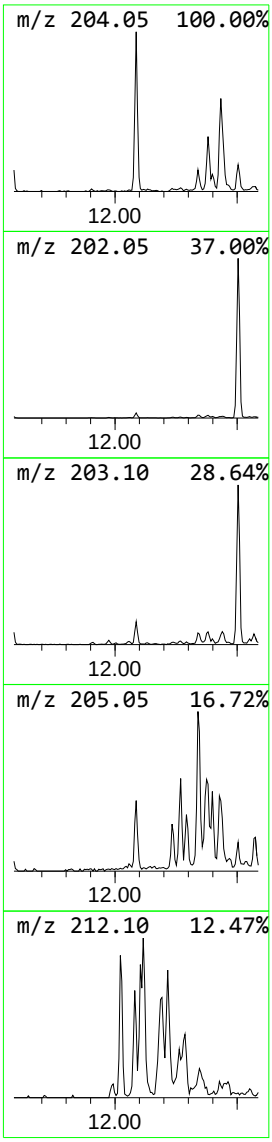
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 Naphthalene, 2-phenyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.086 | 3.33 ng | 155147 | Phenanthrene-d10 | 11.286 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 89 |
| 2 | Naphthalene, 1-phenyl- | 204 | C16H12 | 000605-02-7 | 78 |
| 3 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 76 |
| 4 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 72 |
| 5 | 5H-Dibenzo[a,d]cycloheptene, 5-m... | 204 | C16H12 | 002975-79-3 | 60 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
Data File : BF135380.D
Acq On : 21 Sep 2023 15:04
Operator : CG\JU
Sample : 04501-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

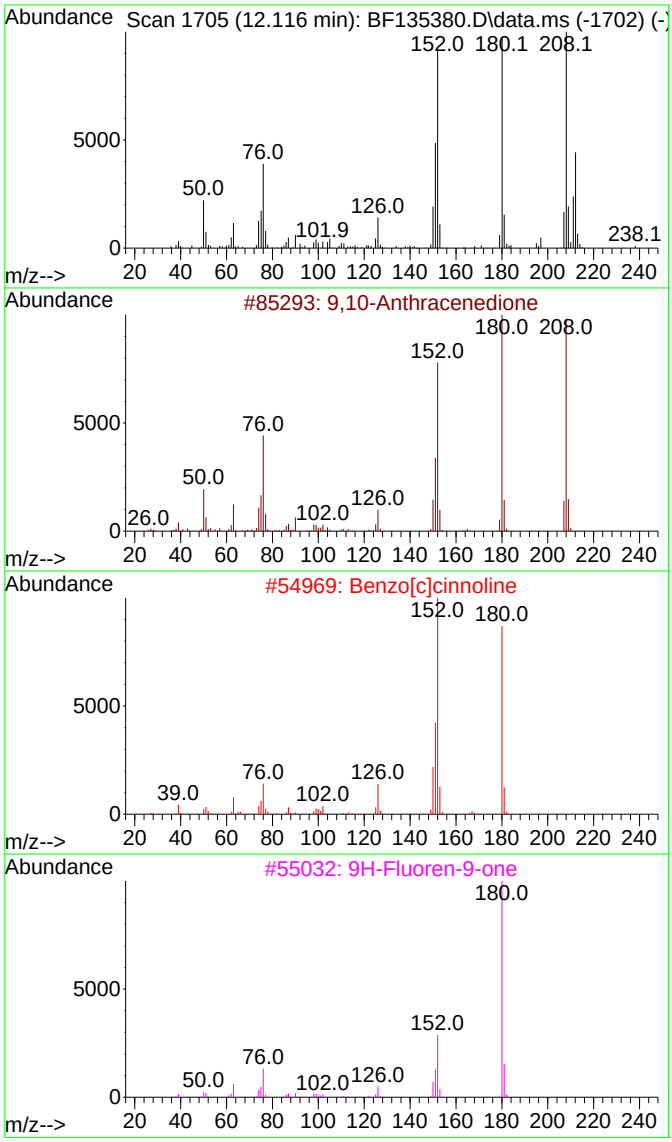
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

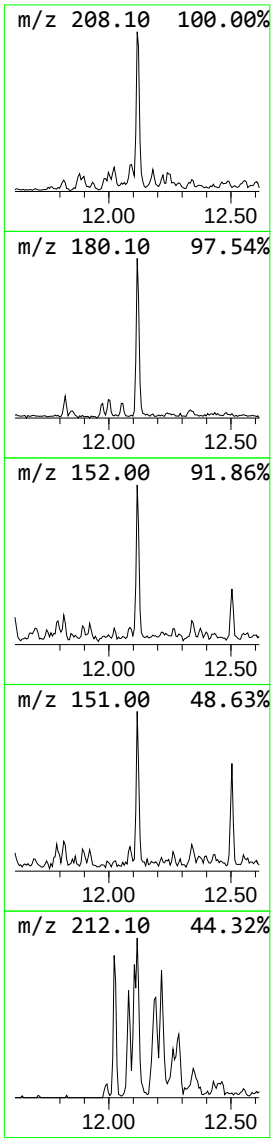
**********

Peak Number 6 9,10-Anthracenedione Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.116 | 3.76 ng | 174939 | Phenanthrene-d10 | 11.286 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 99 |
| 2 | Benzo[c]cinnoline | 180 | C12H8N2 | 000230-17-1 | 89 |
| 3 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 70 |
| 4 | 1H-Phenalen-1-one | 180 | C13H8O | 000548-39-0 | 50 |
| 5 | 9,10-Phenanthrenedione | 208 | C14H8O2 | 000084-11-7 | 50 |



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Data File : BF135380.D
Acq On : 21 Sep 2023 15:04
Operator : CG\JU
Sample : 04501-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

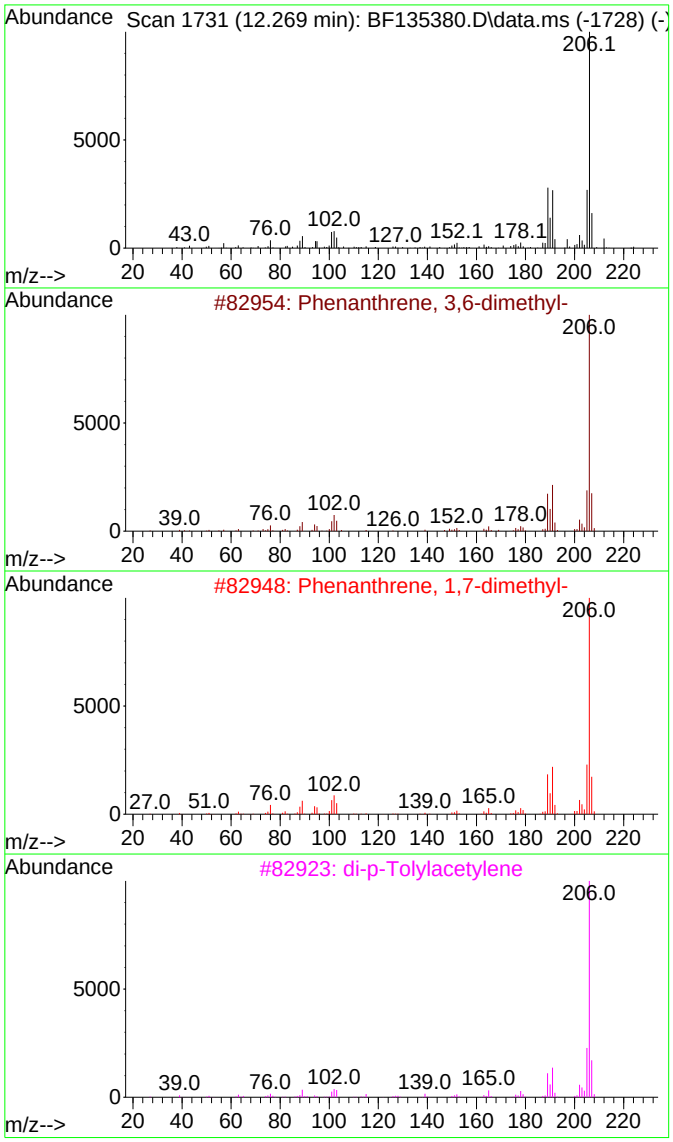
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

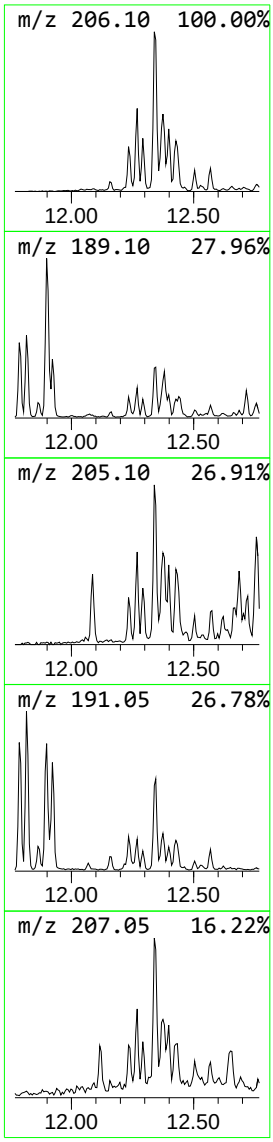
**********

Peak Number 7 Phenanthrene, 3,6-dimethyl- Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.269 | 2.31 ng | 107688 | Phenanthrene-d10 | 11.286 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 94 |
| 2 | Phenanthrene, 1,7-dimethyl- | 206 | C16H14 | 000483-87-4 | 94 |
| 3 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 87 |
| 4 | Phenanthrene, 2,7-dimethyl- | 206 | C16H14 | 001576-69-8 | 86 |
| 5 | Phenanthrene, 2,3-dimethyl- | 206 | C16H14 | 003674-65-5 | 81 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
Data File : BF135380.D
Acq On : 21 Sep 2023 15:04
Operator : CG\JU
Sample : 04501-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-3

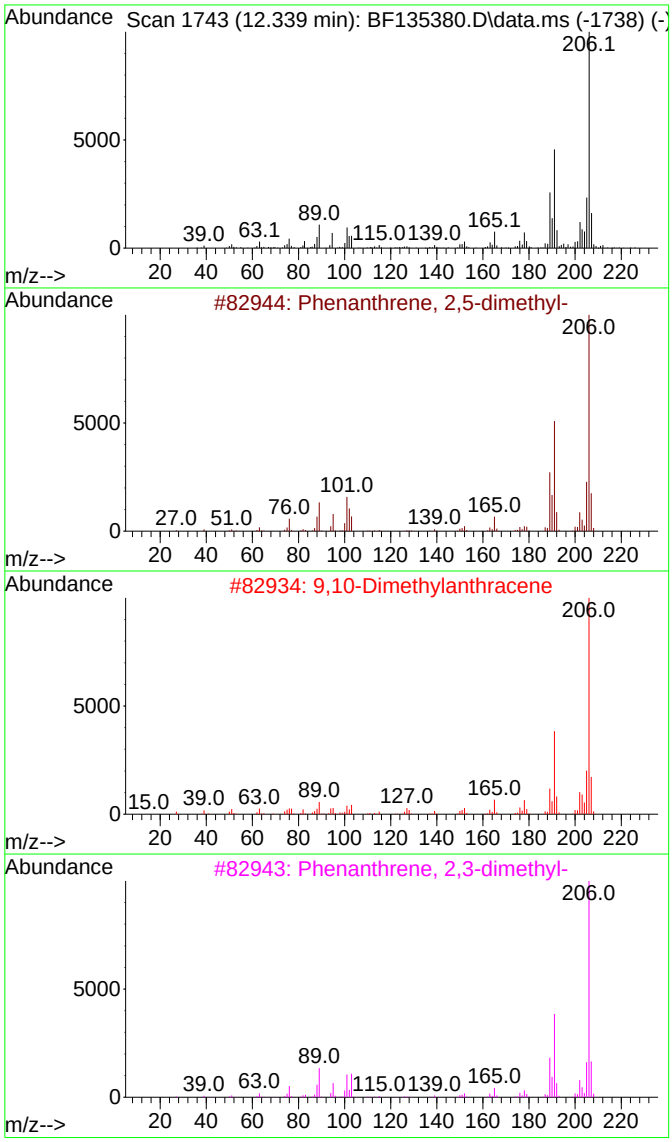
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

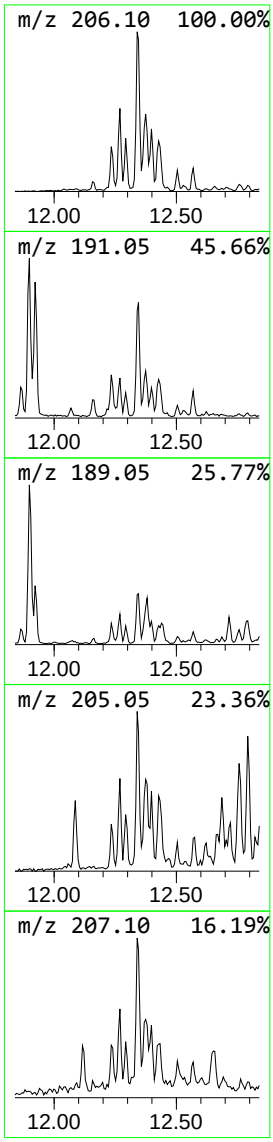
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.339 | 7.04 ng | 328130 | Phenanthrene-d10 | 11.286 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 97 |
| 2 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 96 |
| 3 | Phenanthrene, 2,3-dimethyl- | 206 | C16H14 | 003674-65-5 | 94 |
| 4 | Anthracene, 1,4-dimethyl- | 206 | C16H14 | 000781-92-0 | 94 |
| 5 | Phenanthrene, 1,7-dimethyl- | 206 | C16H14 | 000483-87-4 | 93 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
Data File : BF135380.D
Acq On : 21 Sep 2023 15:04
Operator : CG\JU
Sample : 04501-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-3

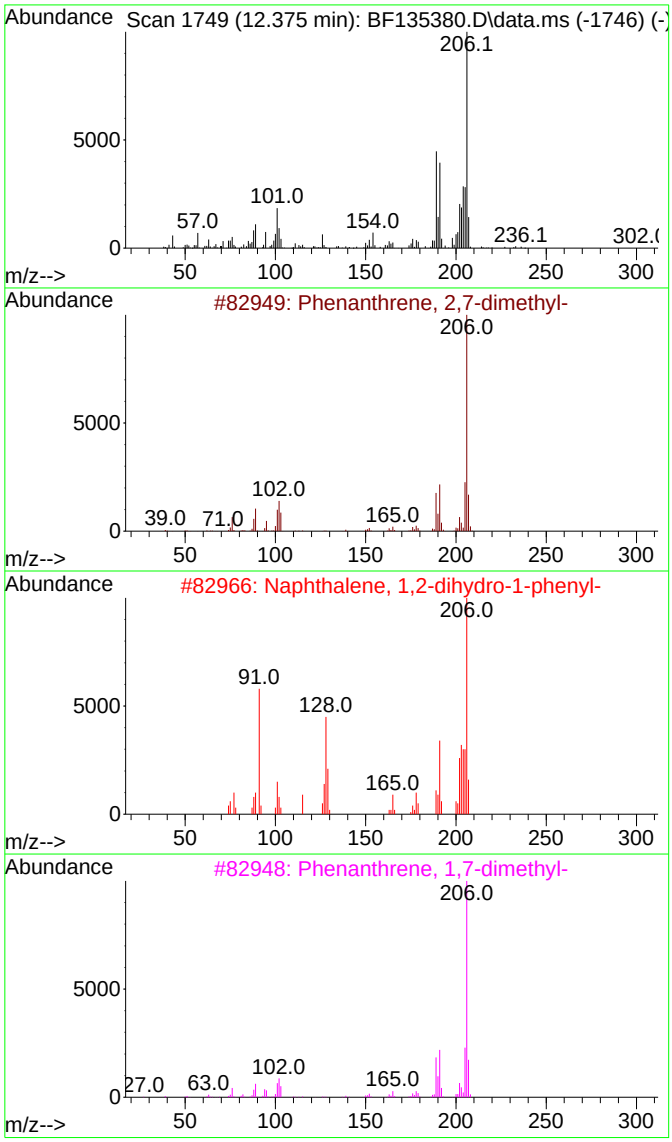
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

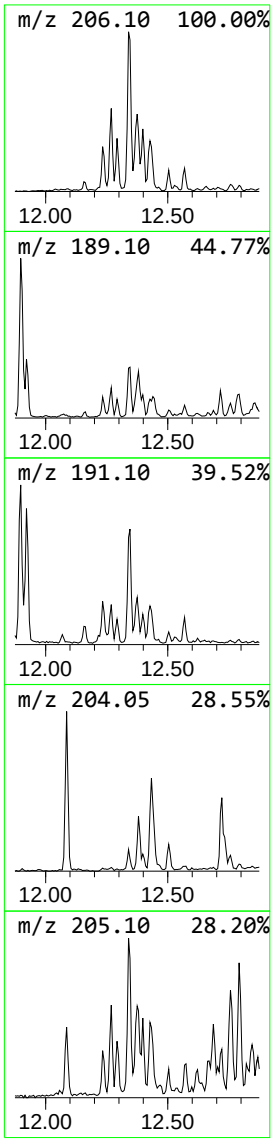
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 Phenanthrene, 2,7-dimethyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.374 | 4.20 ng | 195773 | Phenanthrene-d10 | 11.286 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2,7-dimethyl- | 206 | C16H14 | 001576-69-8 | 68 |
| 2 | Naphthalene, 1,2-dihydro-1-phenyl- | 206 | C16H14 | 016606-46-5 | 60 |
| 3 | Phenanthrene, 1,7-dimethyl- | 206 | C16H14 | 000483-87-4 | 55 |
| 4 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 50 |
| 5 | Anthracene, 1,4-dimethyl- | 206 | C16H14 | 000781-92-0 | 49 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
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Acq On : 21 Sep 2023 15:04
Operator : CG\JU
Sample : 04501-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-3

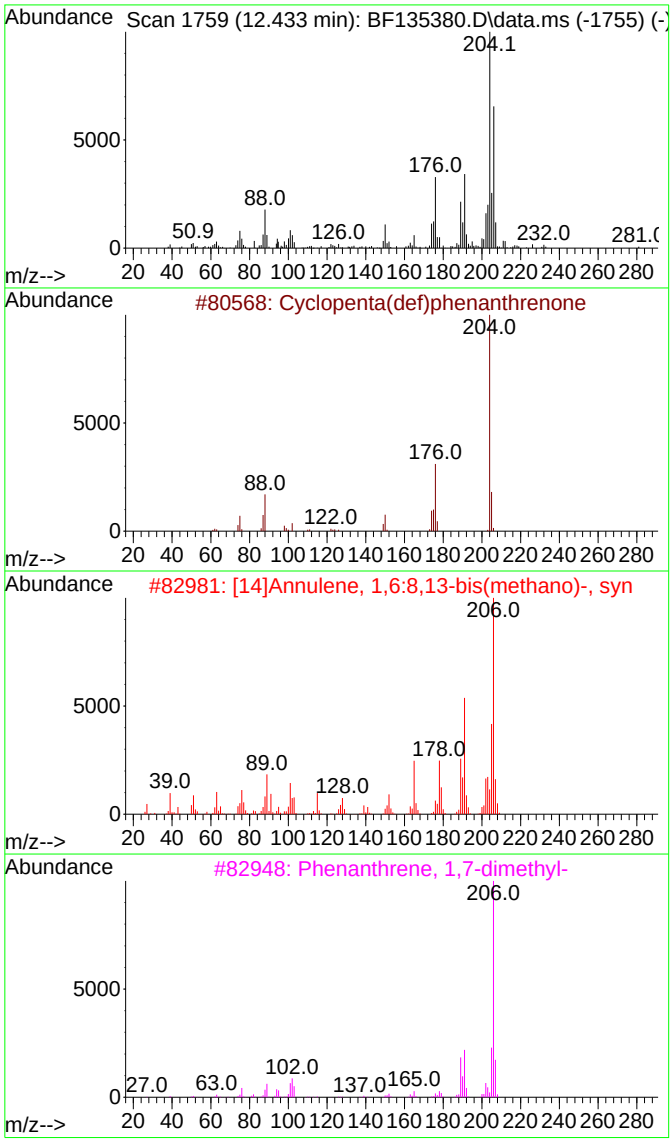
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

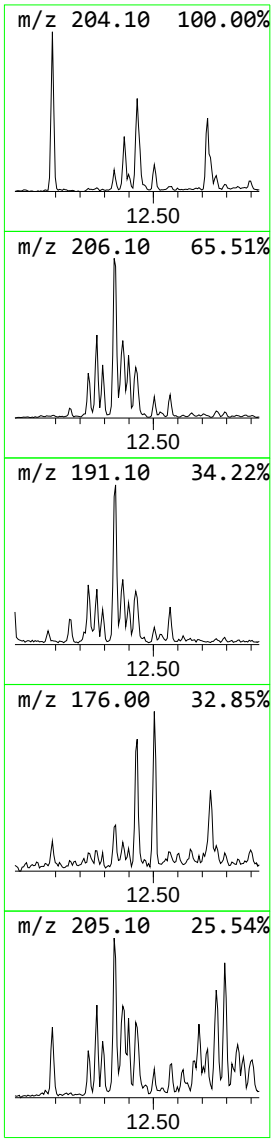
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.433 | 4.13 ng | 192581 | Phenanthrene-d10 | 11.286 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(def)phenanthrenone | 204 | C15H8O | 005737-13-3 | 94 |
| 2 | [14]Annulene, 1,6:8,13-bis(metha... | 206 | C16H14 | 085385-68-8 | 46 |
| 3 | Phenanthrene, 1,7-dimethyl- | 206 | C16H14 | 000483-87-4 | 46 |
| 4 | 1,2,4,8-Tetramethylbicyclo[6.3.0... | 204 | C15H24 | 137235-51-9 | 46 |
| 5 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 45 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
Data File : BF135380.D
Acq On : 21 Sep 2023 15:04
Operator : CG\JU
Sample : 04501-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-3

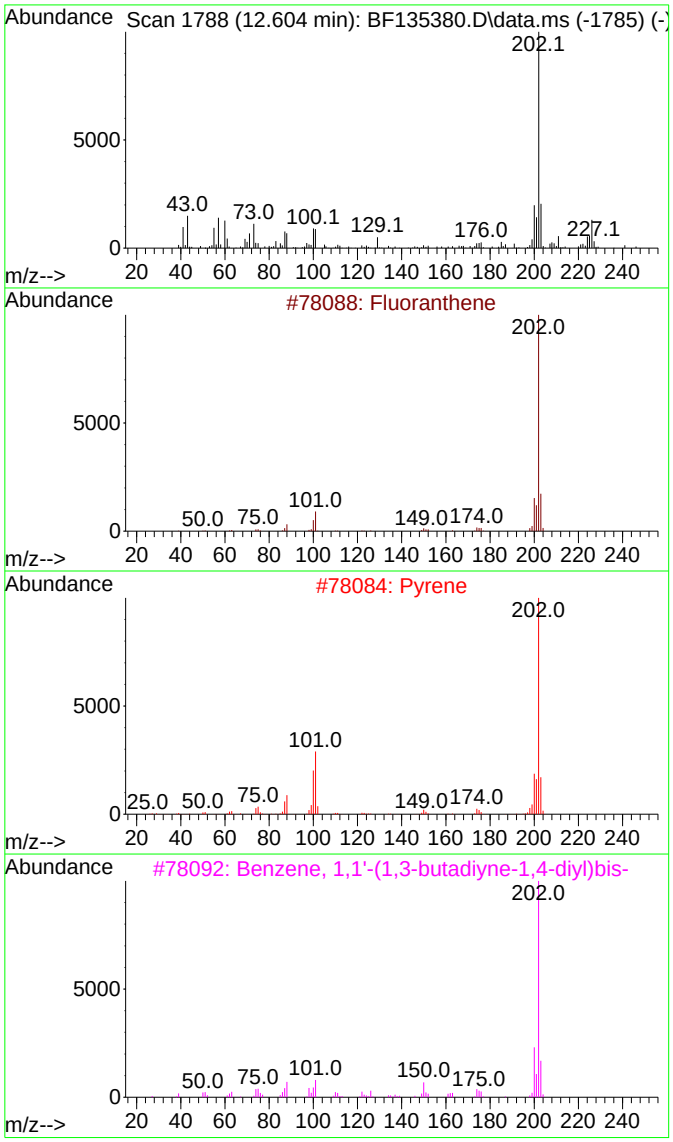
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

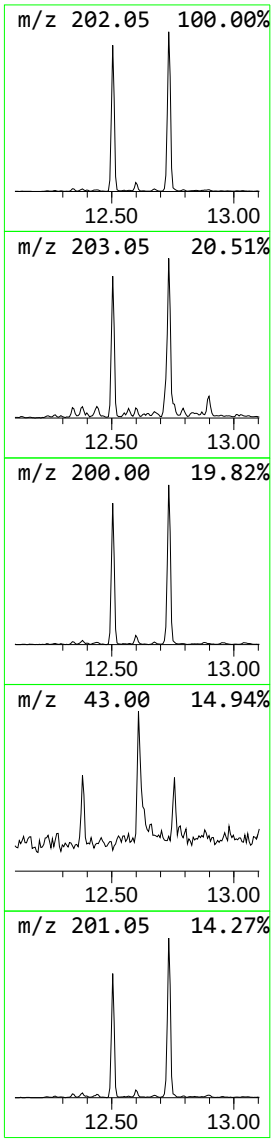
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 11 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.604 | 2.66 ng | 123825 | Phenanthrene-d10 | 11.286 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Fluoranthene | 202 | C16H10 | 000206-44-0 | 70 |
| 2 | Pyrene | 202 | C16H10 | 000129-00-0 | 58 |
| 3 | Benzene, 1,1'-(1,3-butadiyne-1,4... | 202 | C16H10 | 000886-66-8 | 58 |
| 4 | 4,4'-Bis(tetrahydrothiopyran) | 202 | C10H18S2 | 116196-83-9 | 38 |
| 5 | 1,4-Pentadiyn-3-one, 1,5-diphenyl- | 230 | C17H10O | 015814-30-9 | 37 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
Data File : BF135380.D
Acq On : 21 Sep 2023 15:04
Operator : CG\JU
Sample : 04501-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

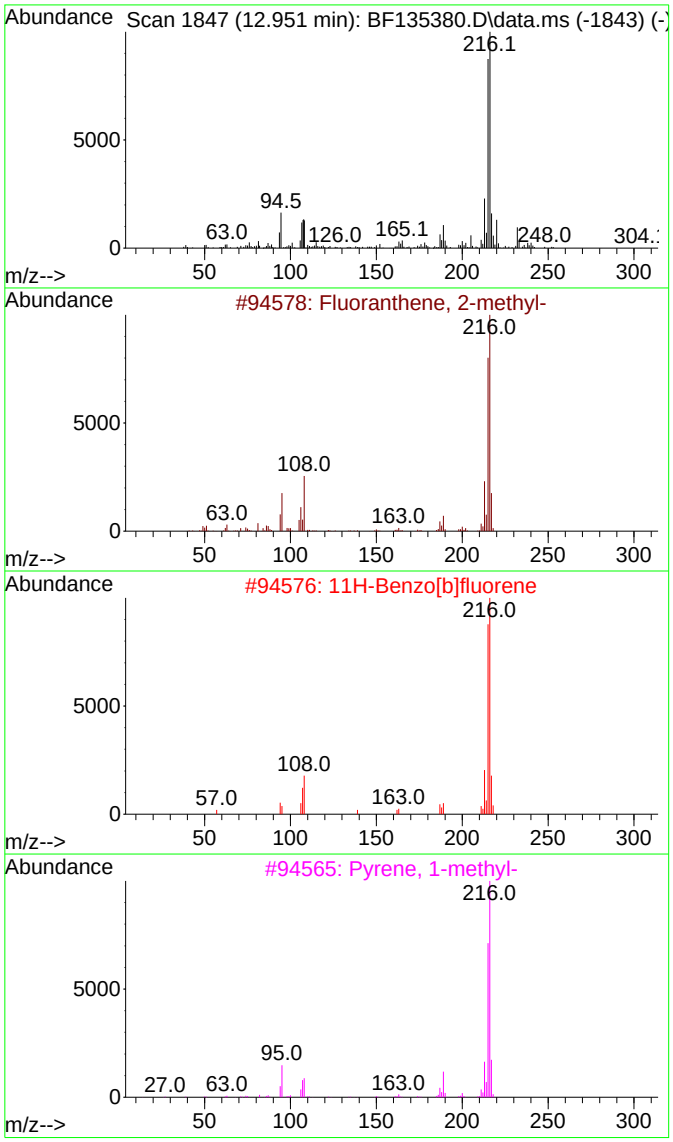
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

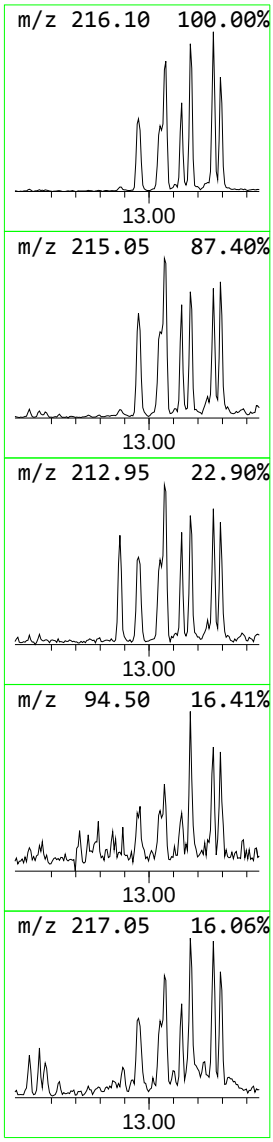
**********

Peak Number 12 Fluoranthene, 2-methyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.951 | 4.07 ng | 273658 | Chrysene-d12 | 13.945 |

| 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 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 90 |
| 4 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 86 |
| 5 | 7H-Benzo[c]fluorene | 216 | C17H12 | 000205-12-9 | 81 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
Data File : BF135380.D
Acq On : 21 Sep 2023 15:04
Operator : CG\JU
Sample : 04501-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

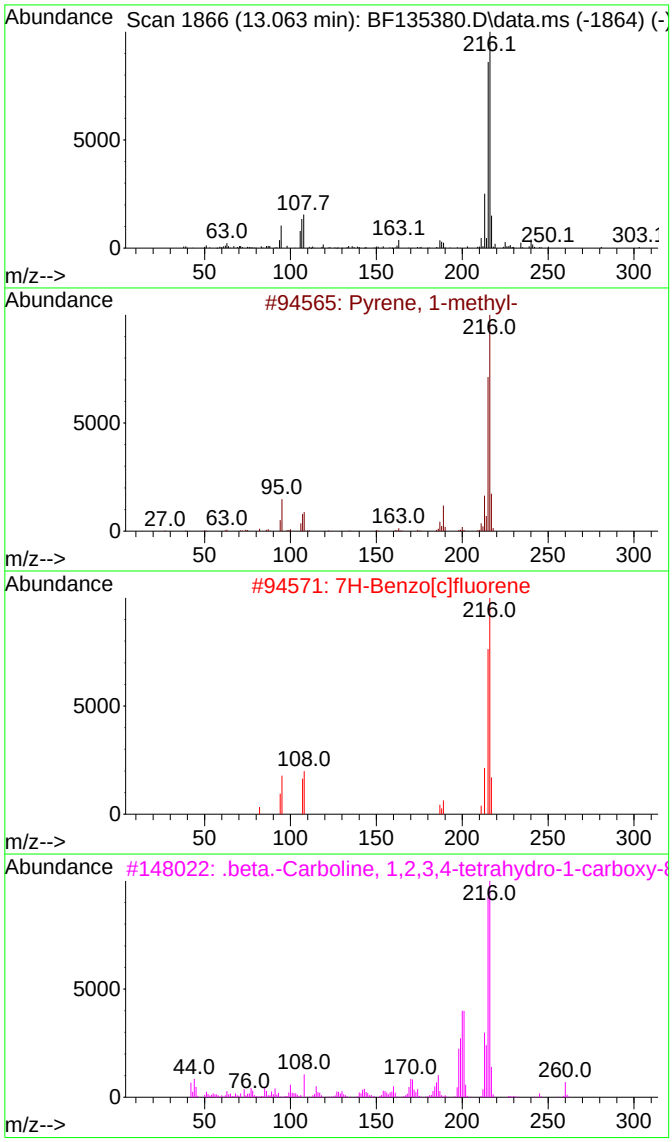
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

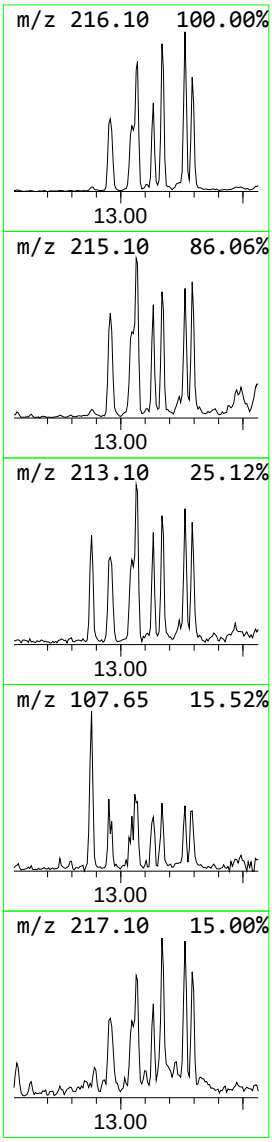
**********

Peak Number 13 Pyrene, 1-methyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.063 | 3.29 ng | 221396 | Chrysene-d12 | 13.945 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 80 |
| 2 | 7H-Benzo[c]fluorene | 216 | C17H12 | 000205-12-9 | 74 |
| 3 | .beta.-Carboline, 1,2,3,4-tetrah... | 260 | C14H16N2O3 | 1000124-14-2 | 72 |
| 4 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 72 |
| 5 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 72 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
Data File : BF135380.D
Acq On : 21 Sep 2023 15:04
Operator : CG\JU
Sample : 04501-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

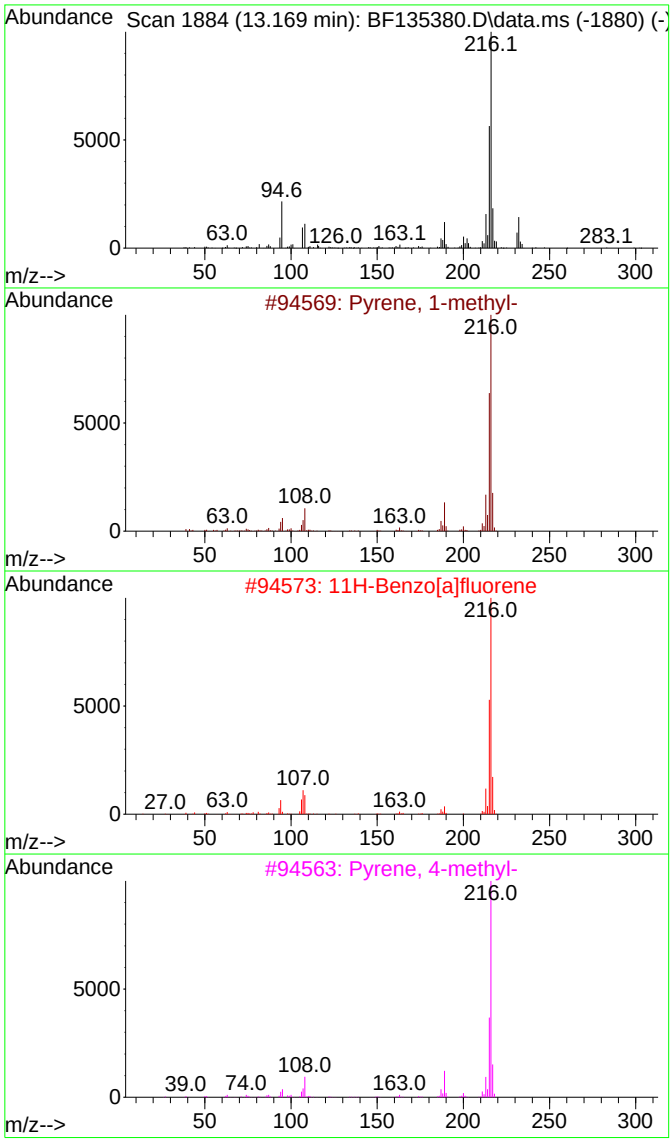
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

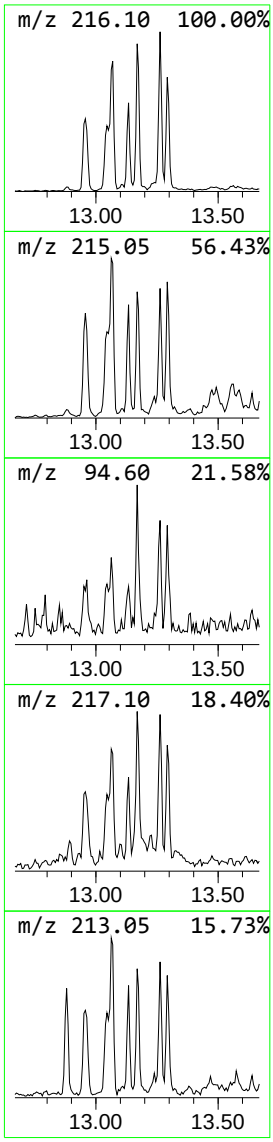
**********

Peak Number 14 11H-Benzo[a]fluorene Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.169 | 3.27 ng | 220337 | Chrysene-d12 | 13.945 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 95 |
| 2 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 93 |
| 3 | Pyrene, 4-methyl- | 216 | C17H12 | 003353-12-6 | 92 |
| 4 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 91 |
| 5 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
Data File : BF135380.D
Acq On : 21 Sep 2023 15:04
Operator : CG\JU
Sample : 04501-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

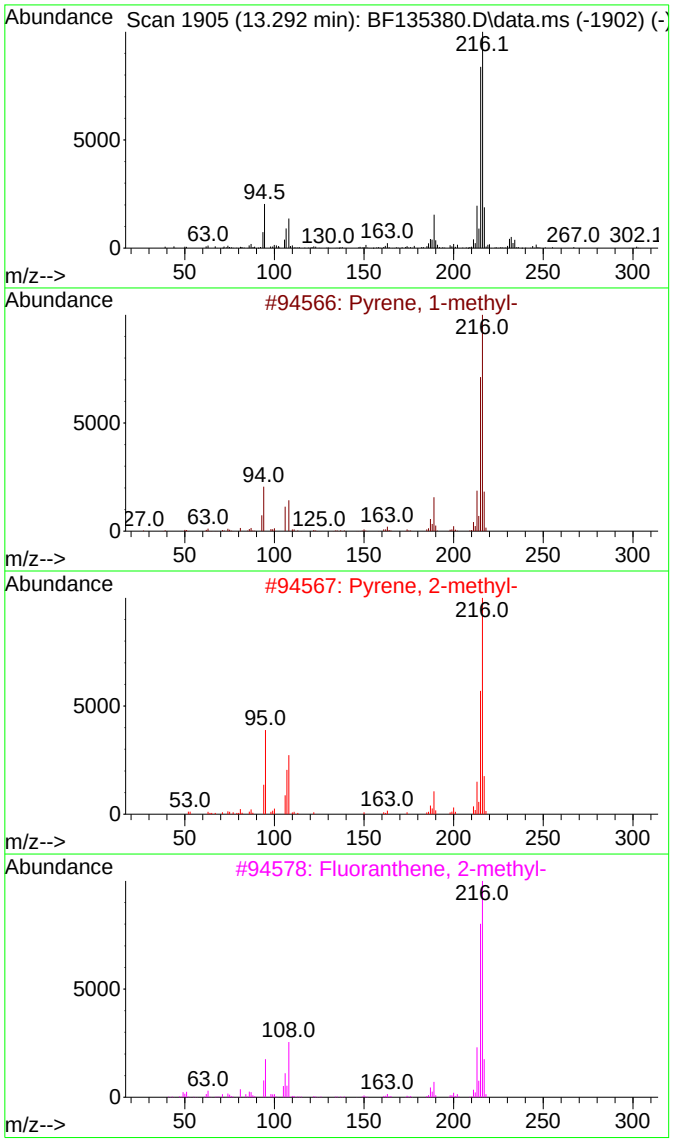
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

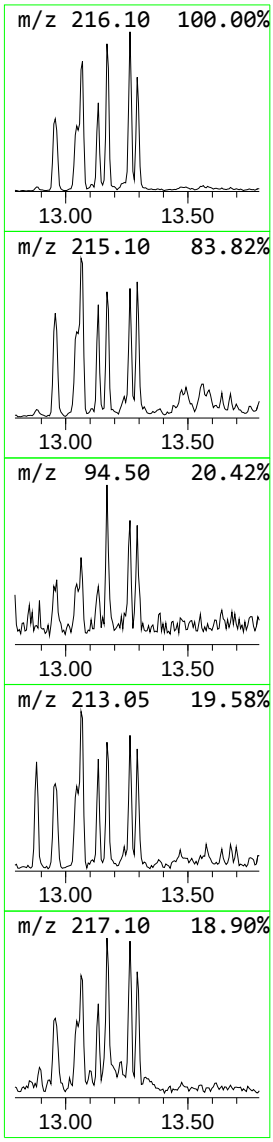
**********

Peak Number 15 Pyrene, 2-methyl- Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.292 | 2.42 ng | 162772 | Chrysene-d12 | 13.945 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 97 |
| 2 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 93 |
| 3 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 90 |
| 4 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 87 |
| 5 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 87 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
Data File : BF135380.D
Acq On : 21 Sep 2023 15:04
Operator : CG\JU
Sample : 04501-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-3

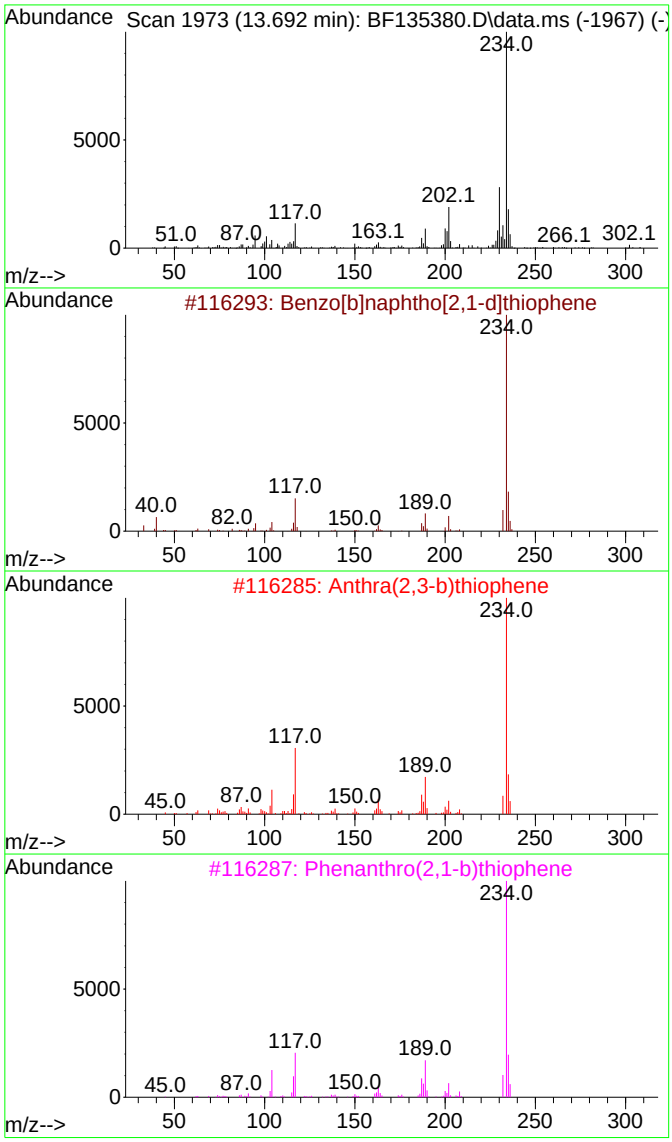
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

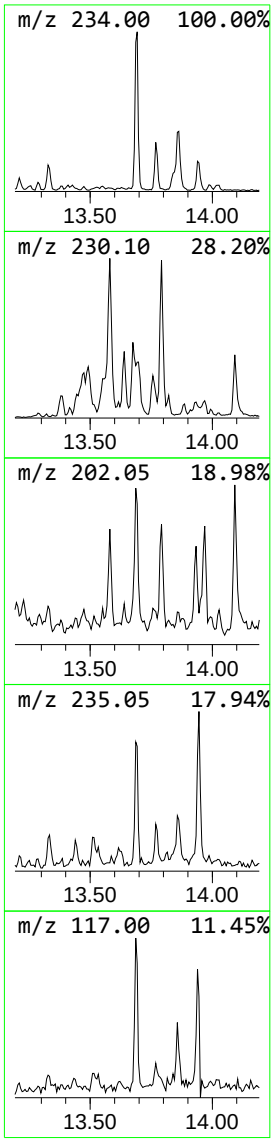
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 16 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.692 | 3.80 ng | 255594 | Chrysene-d12 | 13.945 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[b]naphtho[2,1-d]thiophene | 234 | C16H10S | 000239-35-0 | 95 |
| 2 | Anthra(2,3-b)thiophene | 234 | C16H10S | 022108-55-0 | 76 |
| 3 | Phenanthro(2,1-b)thiophene | 234 | C16H10S | 000219-25-0 | 70 |
| 4 | Benzo[b]naphtho[2,3-d]thiophene | 234 | C16H10S | 000243-46-9 | 64 |
| 5 | Benzo[b]naphtho[1,2-d]thiophene | 234 | C16H10S | 000205-43-6 | 62 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
Data File : BF135380.D
Acq On : 21 Sep 2023 15:04
Operator : CG\JU
Sample : 04501-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

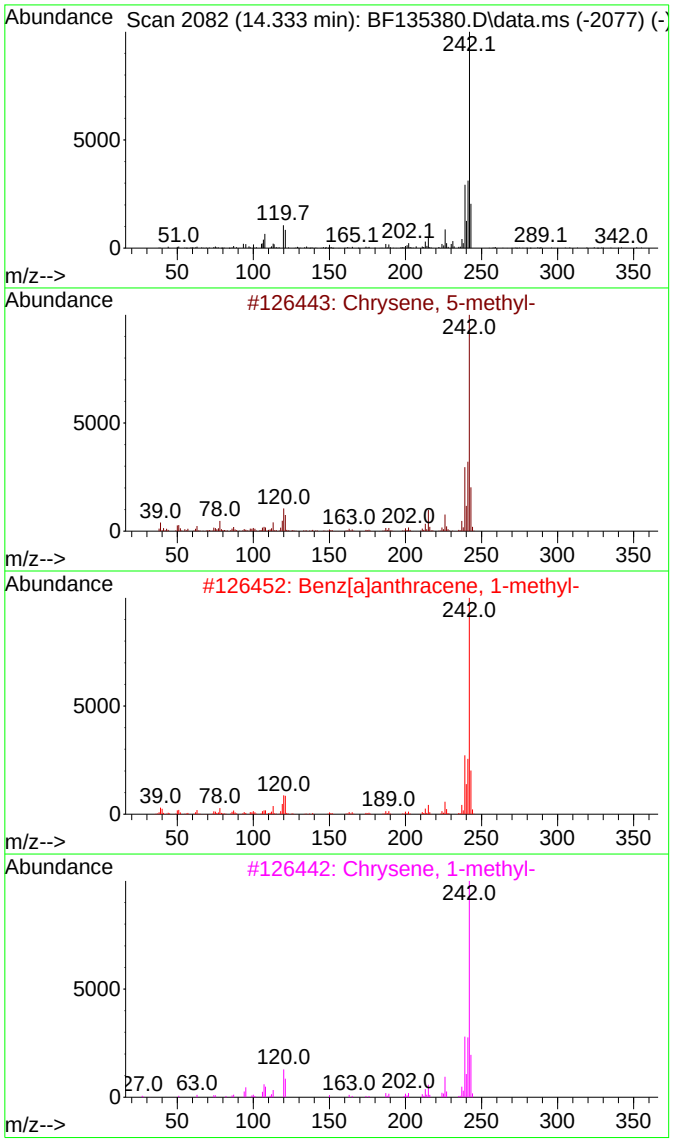
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

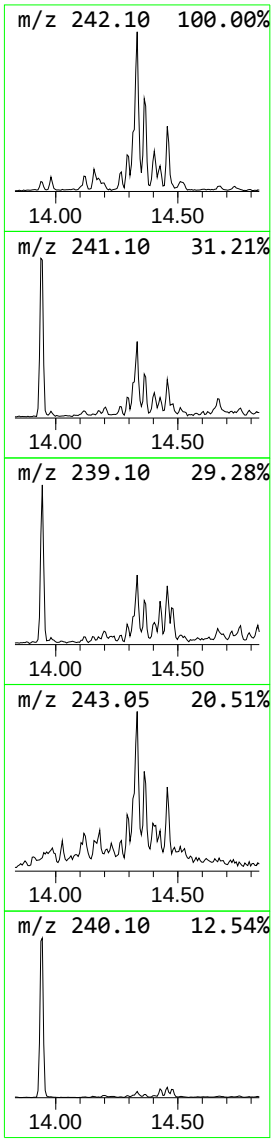
**********

Peak Number 17 Chrysene, 5-methyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.333 | 3.34 ng | 224507 | Chrysene-d12 | 13.945 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Chrysene, 5-methyl- | 242 | C19H14 | 003697-24-3 | 96 |
| 2 | Benz[a]anthracene, 1-methyl- | 242 | C19H14 | 002498-77-3 | 95 |
| 3 | Chrysene, 1-methyl- | 242 | C19H14 | 003351-28-8 | 93 |
| 4 | Benz[a]anthracene, 8-methyl- | 242 | C19H14 | 002381-31-9 | 93 |
| 5 | 2-Methylchrysene | 242 | C19H14 | 003351-32-4 | 93 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
Data File : BF135380.D
Acq On : 21 Sep 2023 15:04
Operator : CG\JU
Sample : 04501-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-3

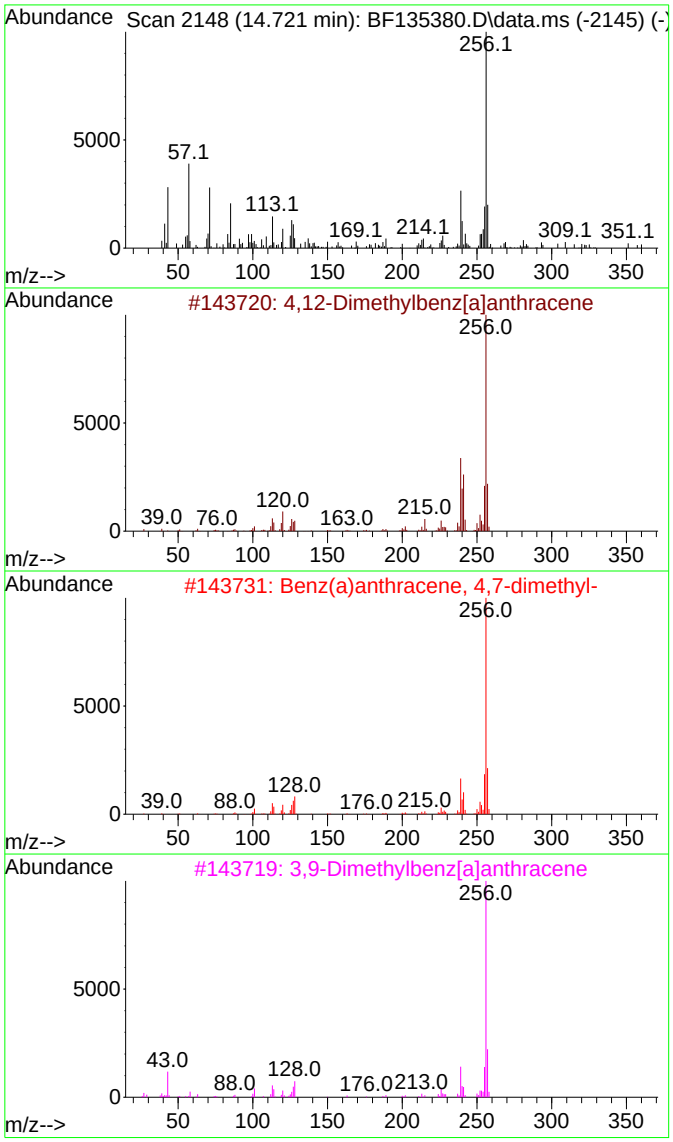
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

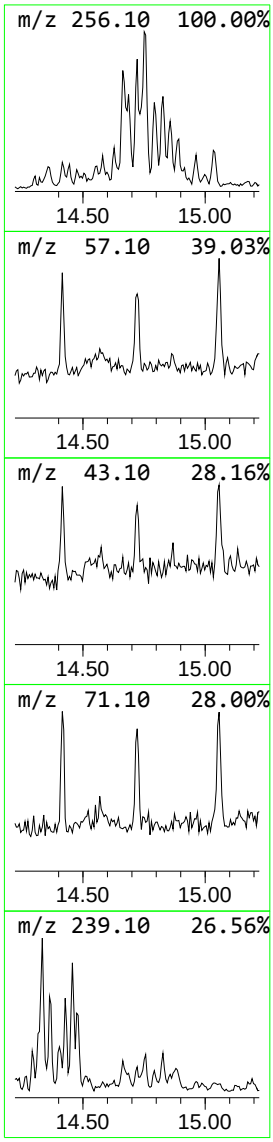
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 18 4,12-Dimethylbenz[a]anthracene Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.722 | 2.38 ng | 73253 | Perylene-d12 | 15.410 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4,12-Dimethylbenz[a]anthracene | 256 | C20H16 | 035187-19-0 | 90 |
| 2 | Benz(a)anthracene, 4,7-dimethyl- | 256 | C20H16 | 035187-18-9 | 90 |
| 3 | 3,9-Dimethylbenz[a]anthracene | 256 | C20H16 | 000316-51-8 | 72 |
| 4 | 7,12-Dimethylbenz[a]anthracene | 256 | C20H16 | 000057-97-6 | 70 |
| 5 | Benzo[c]phenanthrene, 5,8-dimethyl- | 256 | C20H16 | 054986-63-9 | 70 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
Data File : BF135380.D
Acq On : 21 Sep 2023 15:04
Operator : CG\JU
Sample : 04501-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

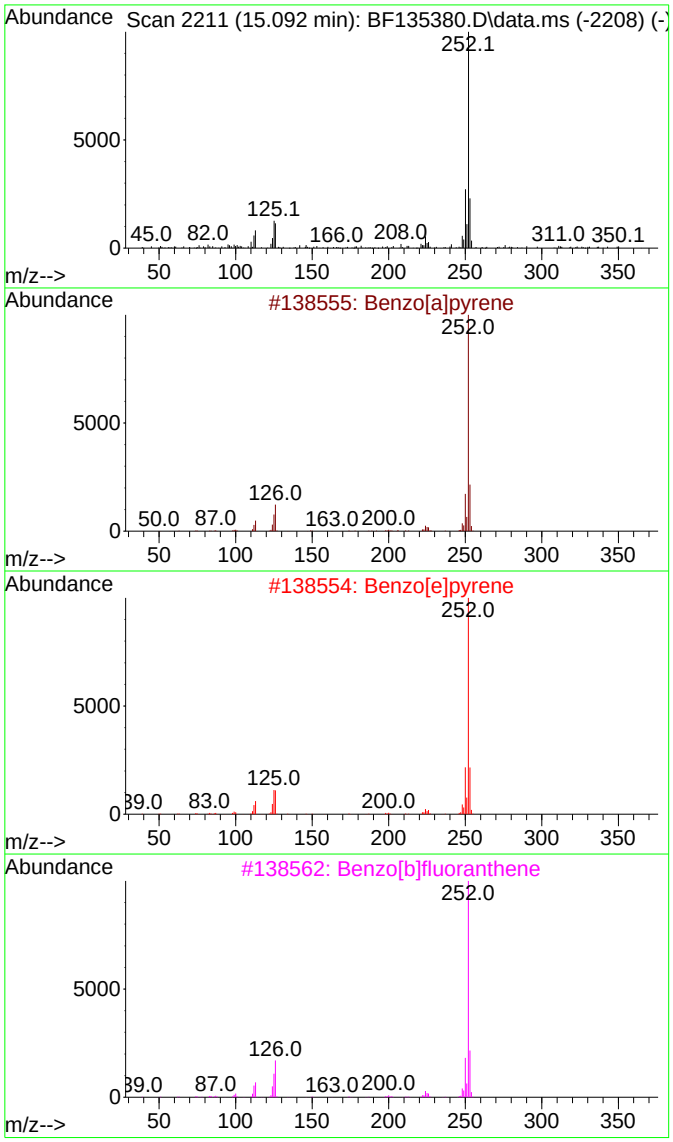
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

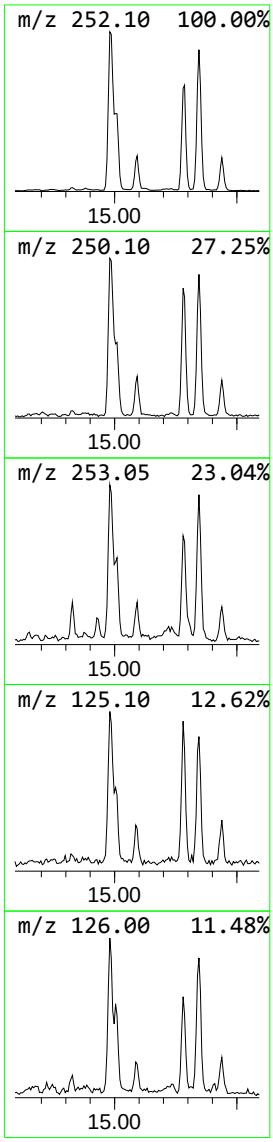
**********

Peak Number 19 Benzo[e]pyrene Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.092 | 2.30 ng | 71009 | Perylene-d12 | 15.410 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 97 |
| 2 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 94 |
| 3 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 93 |
| 4 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 91 |
| 5 | Perylene | 252 | C20H12 | 000198-55-0 | 86 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
Data File : BF135380.D
Acq On : 21 Sep 2023 15:04
Operator : CG\JU
Sample : 04501-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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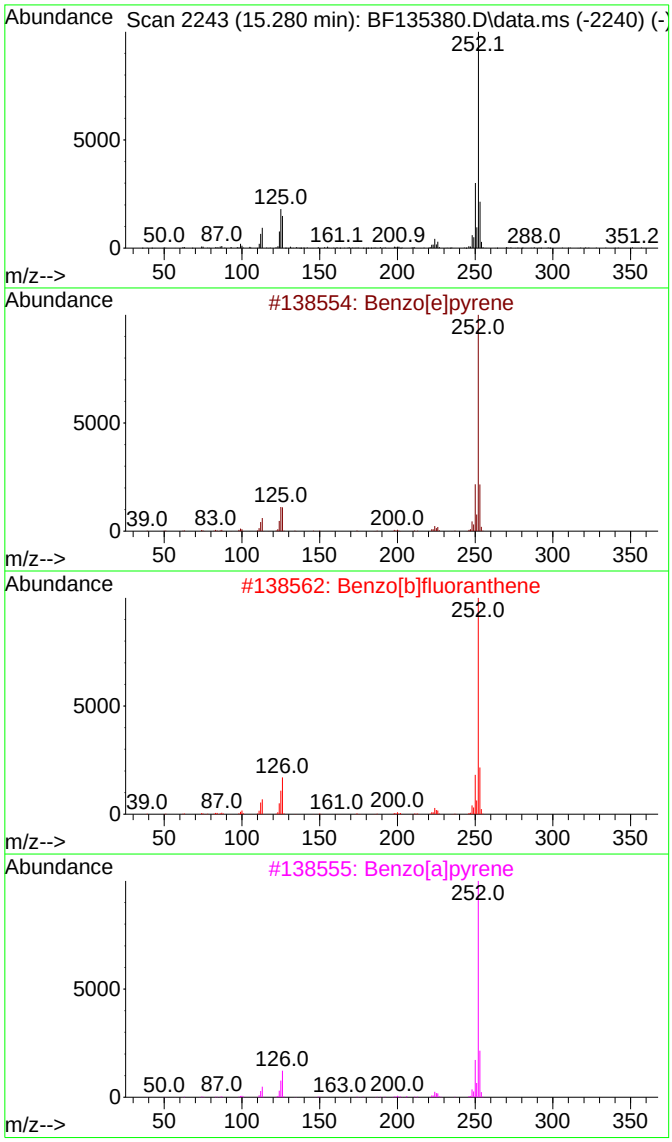
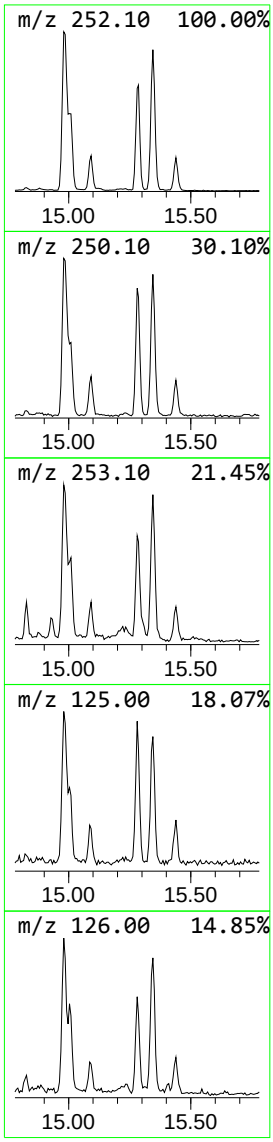
Peak Number 20 Perylene Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.280 | 9.20 ng | 283652 | Perylene-d12 | 15.410 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 98 |
| 2 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 98 |
| 3 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 96 |
| 4 | Perylene | 252 | C20H12 | 000198-55-0 | 93 |
| 5 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 91 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
Data File : BF135380.D
Acq On : 21 Sep 2023 15:04
Operator : CG\JU
Sample : 04501-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Phenanthrene, 2... | 11.786 | 6.5 | ng | 303831 | 4 | 11.286 | 931629 | 20.0 |
| Phenanthrene, 1... | 11.816 | 11.7 | ng | 544796 | 4 | 11.286 | 931629 | 20.0 |
| Anthracene, 2-m... | 11.898 | 8.6 | ng | 398075 | 4 | 11.286 | 931629 | 20.0 |
| 1H-Cyclopropa[l... | 11.922 | 4.7 | ng | 219991 | 4 | 11.286 | 931629 | 20.0 |
| Naphthalene, 2-... | 12.086 | 3.3 | ng | 155147 | 4 | 11.286 | 931629 | 20.0 |
| 9,10-Anthracene... | 12.116 | 3.8 | ng | 174939 | 4 | 11.286 | 931629 | 20.0 |
| Phenanthrene, 3... | 12.269 | 2.3 | ng | 107688 | 4 | 11.286 | 931629 | 20.0 |
| Phenanthrene, 2... | 12.339 | 7.0 | ng | 328130 | 4 | 11.286 | 931629 | 20.0 |
| Phenanthrene, 2... | 12.374 | 4.2 | ng | 195773 | 4 | 11.286 | 931629 | 20.0 |
| Cyclopenta(def)... | 12.433 | 4.1 | ng | 192581 | 4 | 11.286 | 931629 | 20.0 |
| Benzene, 1,1'-(... | 12.604 | 2.7 | ng | 123825 | 4 | 11.286 | 931629 | 20.0 |
| Fluoranthene, 2... | 12.951 | 4.1 | ng | 273658 | 5 | 13.945 | 1346310 | 20.0 |
| Pyrene, 1-methyl- | 13.063 | 3.3 | ng | 221396 | 5 | 13.945 | 1346310 | 20.0 |
| 11H-Benzo[a]flu... | 13.169 | 3.3 | ng | 220337 | 5 | 13.945 | 1346310 | 20.0 |
| Pyrene, 2-methyl- | 13.292 | 2.4 | ng | 162772 | 5 | 13.945 | 1346310 | 20.0 |
| Benzo[b]naphtho... | 13.692 | 3.8 | ng | 255594 | 5 | 13.945 | 1346310 | 20.0 |
| Chrysene, 5-met... | 14.333 | 3.3 | ng | 224507 | 5 | 13.945 | 1346310 | 20.0 |
| 4,12-Dimethylbe... | 14.722 | 2.4 | ng | 73253 | 6 | 15.410 | 616491 | 20.0 |
| Benzo[e]pyrene | 15.092 | 2.3 | ng | 71009 | 6 | 15.410 | 616491 | 20.0 |
| Perylene | 15.280 | 9.2 | ng | 283652 | 6 | 15.410 | 616491 | 20.0 |