LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082323\
Data File : BF134913.D
Acq On : 23 Aug 2023 19:50
Operator : CG\JU
Sample : 04082-01 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
277

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-BF082223.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF134913.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.416 | 562 | 566 | 575 | rBV | 201112 | 191484 | 8.19% | 0.783% |
| 2 | 6.422 | 734 | 737 | 748 | rBV2 | 180635 | 219758 | 9.40% | 0.898% |
| 3 | 6.793 | 796 | 800 | 804 | rBV | 864030 | 675483 | 28.88% | 2.761% |
| 4 | 7.351 | 891 | 895 | 906 | rVB | 120859 | 108695 | 4.65% | 0.444% |
| 5 | 8.075 | 1013 | 1018 | 1020 | rBV | 929508 | 823796 | 35.22% | 3.367% |
| 6 | 8.092 | 1020 | 1021 | 1025 | rVB | 130261 | 88207 | 3.77% | 0.361% |
| 7 | 8.787 | 1135 | 1139 | 1146 | rVB | 150107 | 119102 | 5.09% | 0.487% |
| 8 | 8.887 | 1151 | 1156 | 1159 | rBV | 131308 | 114081 | 4.88% | 0.466% |
| 9 | 9.145 | 1197 | 1200 | 1206 | rBV | 244545 | 223162 | 9.54% | 0.912% |
| 10 | 9.345 | 1232 | 1234 | 1240 | rVB | 25939 | 32434 | 1.39% | 0.133% |
| 11 | 9.416 | 1242 | 1246 | 1250 | rBV2 | 72747 | 99101 | 4.24% | 0.405% |
| 12 | 9.487 | 1254 | 1258 | 1261 | rBV | 142279 | 135596 | 5.80% | 0.554% |
| 13 | 9.516 | 1261 | 1263 | 1265 | rVB | 74950 | 53652 | 2.29% | 0.219% |
| 14 | 9.604 | 1274 | 1278 | 1283 | rBV | 68617 | 71587 | 3.06% | 0.293% |
| 15 | 9.692 | 1288 | 1293 | 1298 | rBV | 98519 | 97184 | 4.15% | 0.397% |
| 16 | 9.828 | 1308 | 1316 | 1319 | rBV | 834289 | 795401 | 34.01% | 3.251% |
| 17 | 9.863 | 1319 | 1322 | 1325 | rVB | 160154 | 128848 | 5.51% | 0.527% |
| 18 | 9.939 | 1331 | 1335 | 1339 | rBV2 | 26824 | 35985 | 1.54% | 0.147% |
| 19 | 10.034 | 1346 | 1351 | 1355 | rBV | 155224 | 138273 | 5.91% | 0.565% |
| 20 | 10.075 | 1355 | 1358 | 1361 | rVB | 61391 | 45786 | 1.96% | 0.187% |
| 21 | 10.151 | 1365 | 1371 | 1373 | rBV2 | 49768 | 52639 | 2.25% | 0.215% |
| 22 | 10.175 | 1373 | 1375 | 1379 | rVB | 38993 | 33986 | 1.45% | 0.139% |
| 23 | 10.239 | 1382 | 1386 | 1388 | rBV2 | 35417 | 46928 | 2.01% | 0.192% |
| 24 | 10.334 | 1396 | 1402 | 1404 | rBV4 | 19790 | 30909 | 1.32% | 0.126% |
| 25 | 10.381 | 1407 | 1410 | 1416 | rVB | 163987 | 148366 | 6.34% | 0.606% |
| 26 | 10.445 | 1416 | 1421 | 1423 | rBV2 | 31933 | 40507 | 1.73% | 0.166% |
| 27 | 10.539 | 1434 | 1437 | 1444 | rVB | 56914 | 58490 | 2.50% | 0.239% |
| 28 | 10.622 | 1445 | 1451 | 1455 | rVV | 178335 | 177008 | 7.57% | 0.723% |
| 29 | 10.669 | 1455 | 1459 | 1464 | rVB2 | 17241 | 24047 | 1.03% | 0.098% |
| 30 | 10.751 | 1469 | 1473 | 1479 | rVB4 | 48051 | 62707 | 2.68% | 0.256% |
| 31 | 10.933 | 1500 | 1504 | 1506 | rBV3 | 42820 | 50296 | 2.15% | 0.206% |
| 32 | 10.957 | 1506 | 1508 | 1511 | rVB2 | 36865 | 32951 | 1.41% | 0.135% |
| 33 | 11.063 | 1521 | 1526 | 1528 | rBV5 | 30968 | 40172 | 1.72% | 0.164% |
| 34 | 11.128 | 1534 | 1537 | 1541 | rVB | 201892 | 167919 | 7.18% | 0.686% |
| 35 | 11.169 | 1541 | 1544 | 1550 | rVV3 | 29980 | 56354 | 2.41% | 0.230% |
| 36 | 11.222 | 1550 | 1553 | 1558 | rVB | 135843 | 138353 | 5.92% | 0.565% |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082323\
Data File : BF134913.D
Acq On : 23 Aug 2023 19:50
Operator : CG\JU
Sample : 04082-01 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
277

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-BF082223.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 11.322 | 1567 | 1570 | 1572 | rBV | 828254 | 758318 | 32.42% | 3.099% |
| 38 | 11.351 | 1572 | 1575 | 1578 | rVV | 2088987 | 1713419 | 73.25% | 7.003% |
| 39 | 11.398 | 1578 | 1583 | 1586 | rVV | 433620 | 364334 | 15.58% | 1.489% |
| 40 | 11.433 | 1586 | 1589 | 1593 | rVV2 | 53877 | 53802 | 2.30% | 0.220% |
| 41 | 11.504 | 1599 | 1601 | 1604 | rVB2 | 30727 | 24959 | 1.07% | 0.102% |
| 42 | 11.557 | 1604 | 1610 | 1613 | rBV2 | 160065 | 163794 | 7.00% | 0.669% |
| 43 | 11.622 | 1619 | 1621 | 1624 | rBV | 49646 | 42141 | 1.80% | 0.172% |
| 44 | 11.657 | 1624 | 1627 | 1632 | rVB3 | 99624 | 93653 | 4.00% | 0.383% |
| 45 | 11.739 | 1639 | 1641 | 1644 | rVB | 51126 | 50067 | 2.14% | 0.205% |
| 46 | 11.780 | 1646 | 1648 | 1651 | rVV | 38430 | 32957 | 1.41% | 0.135% |
| 47 | 11.828 | 1653 | 1656 | 1659 | rVV | 314511 | 289531 | 12.38% | 1.183% |
| 48 | 11.857 | 1659 | 1661 | 1665 | rVV | 453211 | 350655 | 14.99% | 1.433% |
| 49 | 11.904 | 1666 | 1669 | 1672 | rVV | 109594 | 94931 | 4.06% | 0.388% |
| 50 | 11.939 | 1672 | 1675 | 1678 | rVV | 408503 | 439279 | 18.78% | 1.795% |
| 51 | 11.963 | 1678 | 1679 | 1684 | rVB | 216806 | 133841 | 5.72% | 0.547% |
| 52 | 12.016 | 1684 | 1688 | 1689 | rBV2 | 33910 | 35871 | 1.53% | 0.147% |
| 53 | 12.033 | 1689 | 1691 | 1694 | rVV2 | 33570 | 33072 | 1.41% | 0.135% |
| 54 | 12.063 | 1694 | 1696 | 1699 | rVB | 39979 | 30461 | 1.30% | 0.125% |
| 55 | 12.104 | 1699 | 1703 | 1704 | rBV3 | 17138 | 24504 | 1.05% | 0.100% |
| 56 | 12.128 | 1704 | 1707 | 1709 | rVV | 196172 | 169992 | 7.27% | 0.695% |
| 57 | 12.151 | 1709 | 1711 | 1715 | rVB2 | 166440 | 146256 | 6.25% | 0.598% |
| 58 | 12.257 | 1727 | 1729 | 1730 | rBV | 30173 | 24047 | 1.03% | 0.098% |
| 59 | 12.275 | 1730 | 1732 | 1735 | rVV2 | 87058 | 77233 | 3.30% | 0.316% |
| 60 | 12.310 | 1735 | 1738 | 1740 | rVV | 116000 | 99138 | 4.24% | 0.405% |
| 61 | 12.333 | 1740 | 1742 | 1744 | rVB | 89083 | 64532 | 2.76% | 0.264% |
| 62 | 12.380 | 1747 | 1750 | 1753 | rBV | 222272 | 233788 | 10.00% | 0.956% |
| 63 | 12.416 | 1753 | 1756 | 1759 | rVV2 | 102658 | 116440 | 4.98% | 0.476% |
| 64 | 12.469 | 1762 | 1765 | 1770 | rBV | 232817 | 237020 | 10.13% | 0.969% |
| 65 | 12.545 | 1774 | 1778 | 1782 | rBV | 2251871 | 2207837 | 94.39% | 9.024% |
| 66 | 12.592 | 1782 | 1786 | 1787 | rBV | 54900 | 41255 | 1.76% | 0.169% |
| 67 | 12.639 | 1792 | 1794 | 1797 | rVV | 39779 | 34588 | 1.48% | 0.141% |
| 68 | 12.698 | 1798 | 1804 | 1807 | rVV3 | 102632 | 158701 | 6.78% | 0.649% |
| 69 | 12.780 | 1811 | 1818 | 1820 | rVV | 2140907 | 2339004 | 100.00% | 9.560% |
| 70 | 12.798 | 1820 | 1821 | 1823 | rVV2 | 115759 | 83822 | 3.58% | 0.343% |
| 71 | 12.833 | 1823 | 1827 | 1831 | rVB3 | 107008 | 142633 | 6.10% | 0.583% |
| 72 | 12.892 | 1833 | 1837 | 1839 | rVV2 | 118778 | 130505 | 5.58% | 0.533% |
| 73 | 12.922 | 1839 | 1842 | 1848 | rVB2 | 253880 | 366384 | 15.66% | 1.498% |
| 74 | 12.998 | 1850 | 1855 | 1858 | rVV3 | 149888 | 237345 | 10.15% | 0.970% |
| 75 | 13.051 | 1862 | 1864 | 1866 | rVV3 | 37590 | 37037 | 1.58% | 0.151% |
| 76 | 13.080 | 1866 | 1869 | 1871 | rVV4 | 125068 | 178028 | 7.61% | 0.728% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082323\
Data File : BF134913.D
Acq On : 23 Aug 2023 19:50
Operator : CG\JU
Sample : 04082-01 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
277

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-BF082223.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 13.104 | 1871 | 1873 | 1876 | rVB | 232387 | 192492 | 8.23% | 0.787% |
| 78 | 13.174 | 1882 | 1885 | 1887 | rVB | 133793 | 119279 | 5.10% | 0.488% |
| 79 | 13.210 | 1887 | 1891 | 1894 | rBV2 | 284102 | 272544 | 11.65% | 1.114% |
| 80 | 13.304 | 1904 | 1907 | 1909 | rVB | 165038 | 137604 | 5.88% | 0.562% |
| 81 | 13.333 | 1909 | 1912 | 1915 | rBV | 172522 | 152870 | 6.54% | 0.625% |
| 82 | 13.616 | 1957 | 1960 | 1964 | rVB | 195286 | 187966 | 8.04% | 0.768% |
| 83 | 13.727 | 1974 | 1979 | 1982 | rBV3 | 182900 | 261909 | 11.20% | 1.070% |
| 84 | 13.757 | 1982 | 1984 | 1986 | rVV | 140004 | 117395 | 5.02% | 0.480% |
| 85 | 13.780 | 1986 | 1988 | 1989 | rVV | 131268 | 105968 | 4.53% | 0.433% |
| 86 | 13.827 | 1993 | 1996 | 1999 | rVB | 157053 | 169030 | 7.23% | 0.691% |
| 87 | 13.974 | 2017 | 2021 | 2025 | rBV2 | 1011657 | 1491390 | 63.76% | 6.096% |
| 88 | 14.010 | 2025 | 2027 | 2032 | rVB | 706385 | 619875 | 26.50% | 2.534% |
| 89 | 14.080 | 2034 | 2039 | 2043 | rBV2 | 512317 | 568519 | 24.31% | 2.324% |
| 90 | 14.369 | 2086 | 2088 | 2091 | rVB | 153702 | 114954 | 4.91% | 0.470% |
| 91 | 14.404 | 2092 | 2094 | 2097 | rVB | 92467 | 74603 | 3.19% | 0.305% |
| 92 | 14.498 | 2107 | 2110 | 2111 | rBV2 | 69971 | 69779 | 2.98% | 0.285% |
| 93 | 15.027 | 2196 | 2200 | 2203 | rBV | 515046 | 769025 | 32.88% | 3.143% |
| 94 | 15.333 | 2248 | 2252 | 2258 | rVB | 275283 | 379436 | 16.22% | 1.551% |
| 95 | 15.392 | 2258 | 2262 | 2268 | rVV | 426744 | 532735 | 22.78% | 2.177% |
| 96 | 15.457 | 2269 | 2273 | 2276 | rVV | 342664 | 440929 | 18.85% | 1.802% |
| 97 | 15.486 | 2276 | 2278 | 2285 | rVB2 | 135627 | 180107 | 7.70% | 0.736% |
| 98 | 16.945 | 2522 | 2526 | 2535 | rVB2 | 147516 | 293459 | 12.55% | 1.199% |

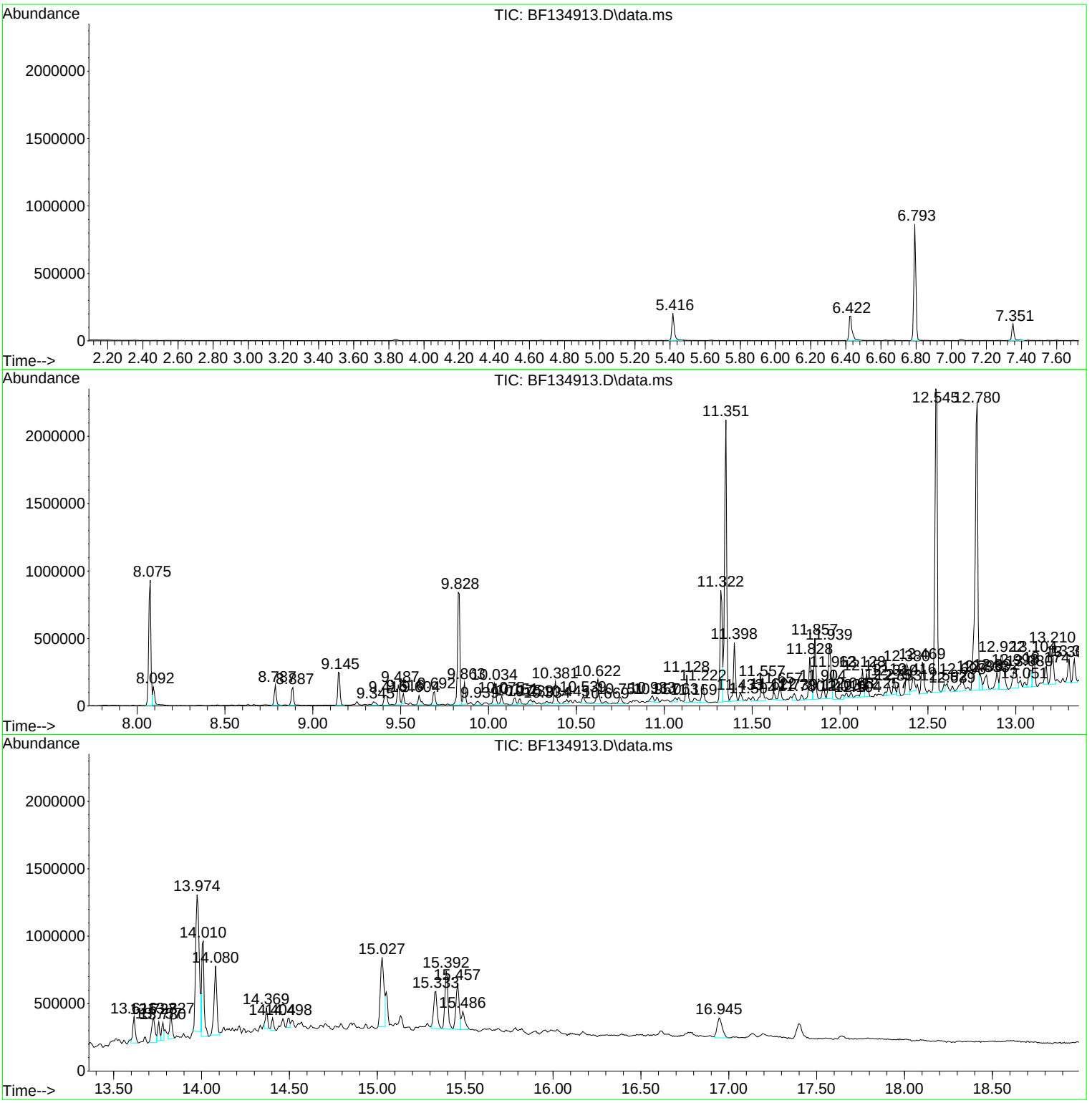
Sum of corrected areas: 24466289

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082323\
Data File : BF134913.D
Acq On : 23 Aug 2023 19:50
Operator : CG\JU
Sample : 04082-01 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
277

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.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\BF082323\
Data File : BF134913.D
Acq On : 23 Aug 2023 19:50
Operator : CG\JU
Sample : 04082-01 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
277

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

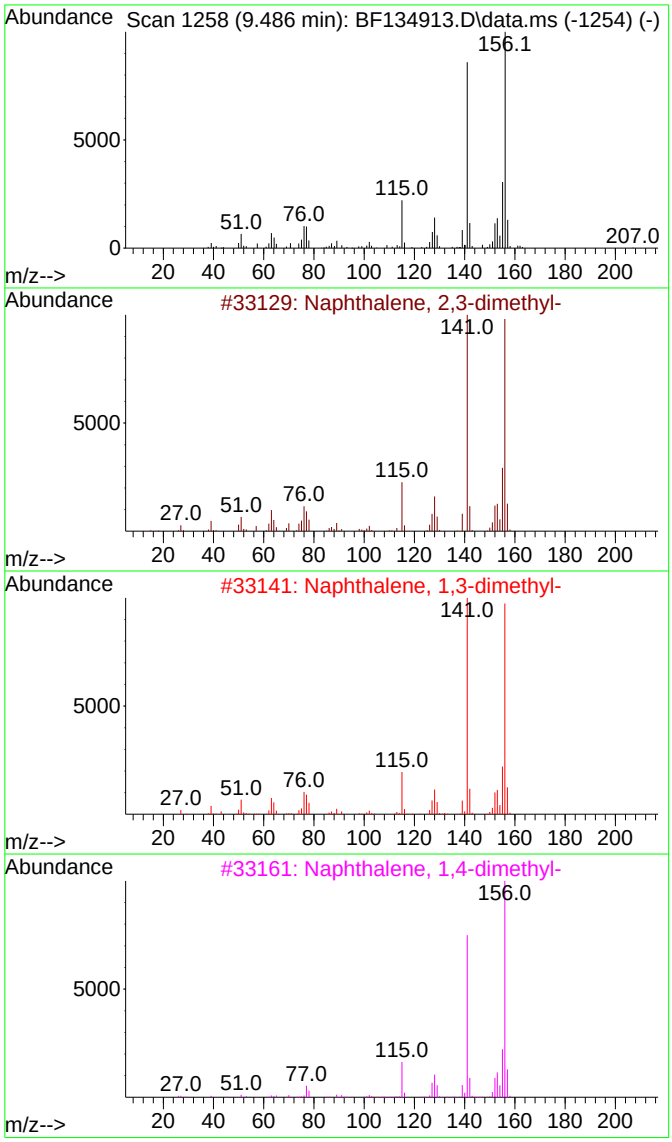
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

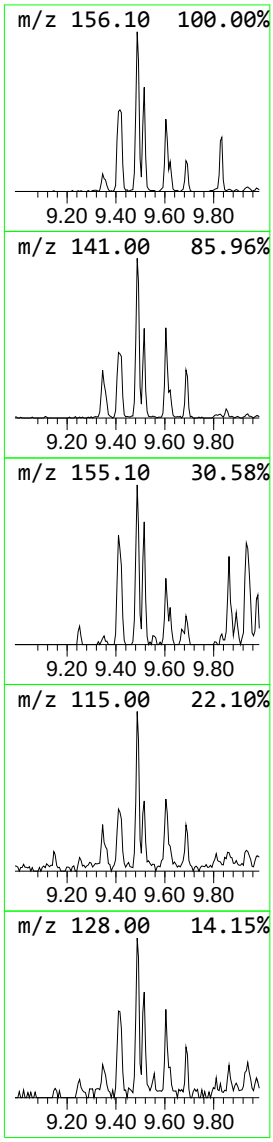
**********

Peak Number 1 Naphthalene, 2,3-dimethyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.486 | 3.41 ng | 135596 | Acenaphthene-d10 | 9.834 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 98 |
| 2 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 97 |
| 3 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 97 |
| 4 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 96 |
| 5 | Naphthalene, 1,8-dimethyl- | 156 | C12H12 | 000569-41-5 | 96 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082323\
Data File : BF134913.D
Acq On : 23 Aug 2023 19:50
Operator : CG\JU
Sample : 04082-01 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
277

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

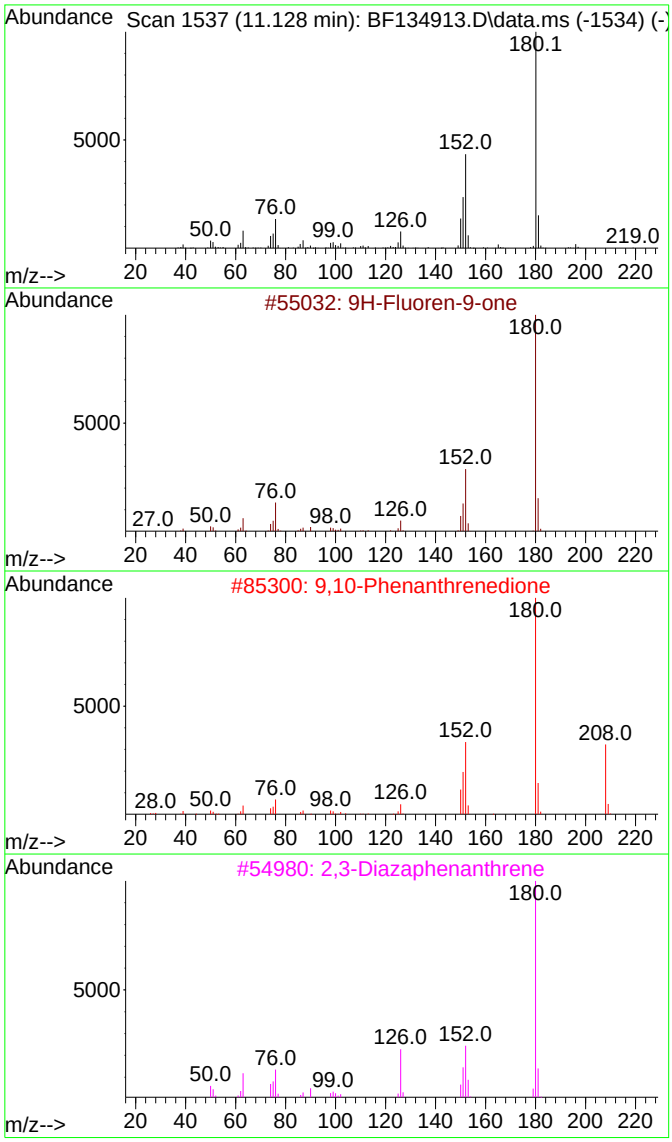
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

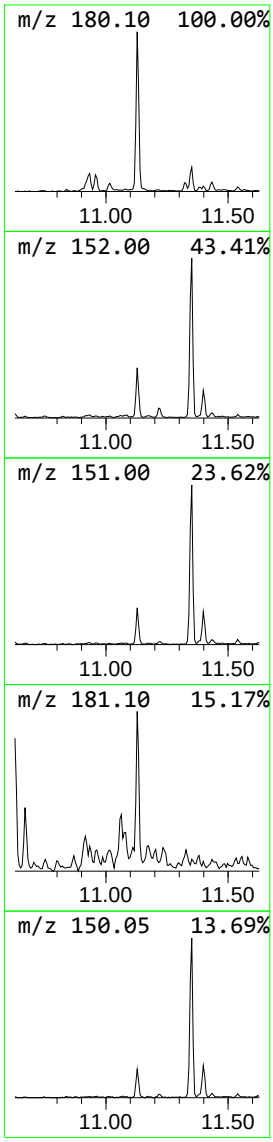
**********

Peak Number 2 9H-Fluoren-9-one Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.128 | 4.43 ng | 167919 | Phenanthrene-d10 | 11.322 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 97 |
| 2 | 9,10-Phenanthrenedione | 208 | C14H8O2 | 000084-11-7 | 90 |
| 3 | 2,3-Diazaphenanthrene | 180 | C12H8N2 | 000229-72-1 | 64 |
| 4 | 1H-Phenalen-1-one | 180 | C13H8O | 000548-39-0 | 58 |
| 5 | Phenanthrene, 9,10-dihydro- | 180 | C14H12 | 000776-35-2 | 53 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082323\
Data File : BF134913.D
Acq On : 23 Aug 2023 19:50
Operator : CG\JU
Sample : 04082-01 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
277

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

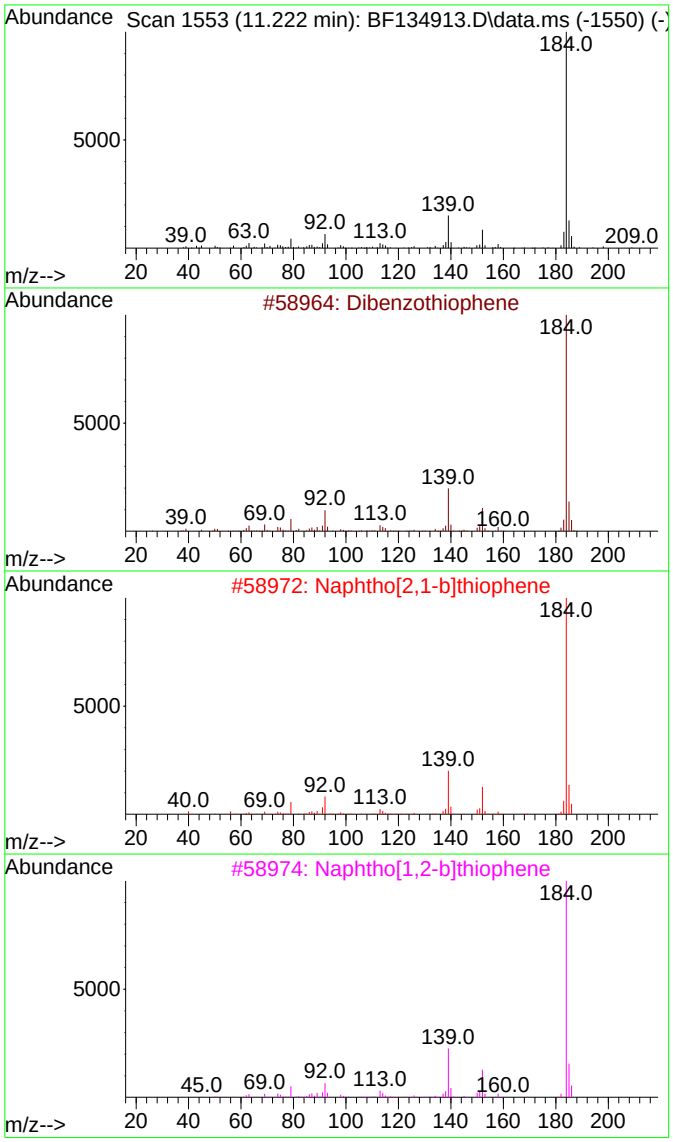
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

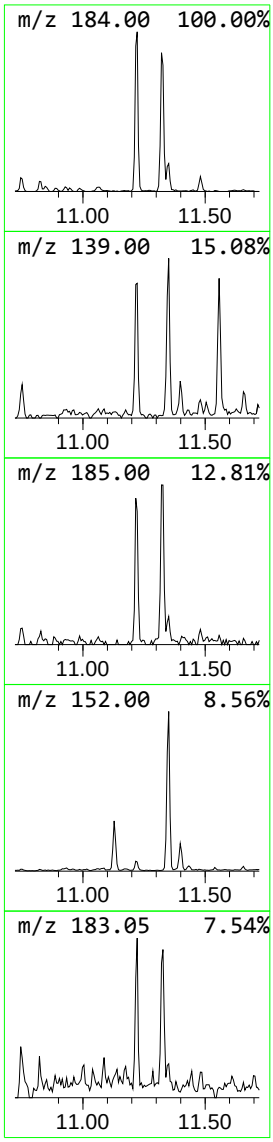
**********

Peak Number 3 Dibenzothiophene Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.222 | 3.65 ng | 138353 | Phenanthrene-d10 | 11.322 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 97 |
| 2 | Naphtho[2,1-b]thiophene | 184 | C12H8S | 000233-02-3 | 95 |
| 3 | Naphtho[1,2-b]thiophene | 184 | C12H8S | 000234-41-3 | 94 |
| 4 | Naphtho[2,3-b]thiophene | 184 | C12H8S | 000268-77-9 | 94 |
| 5 | Azuleno(2,1-b)thiophene | 184 | C12H8S | 000248-13-5 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082323\
Data File : BF134913.D
Acq On : 23 Aug 2023 19:50
Operator : CG\JU
Sample : 04082-01 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
277

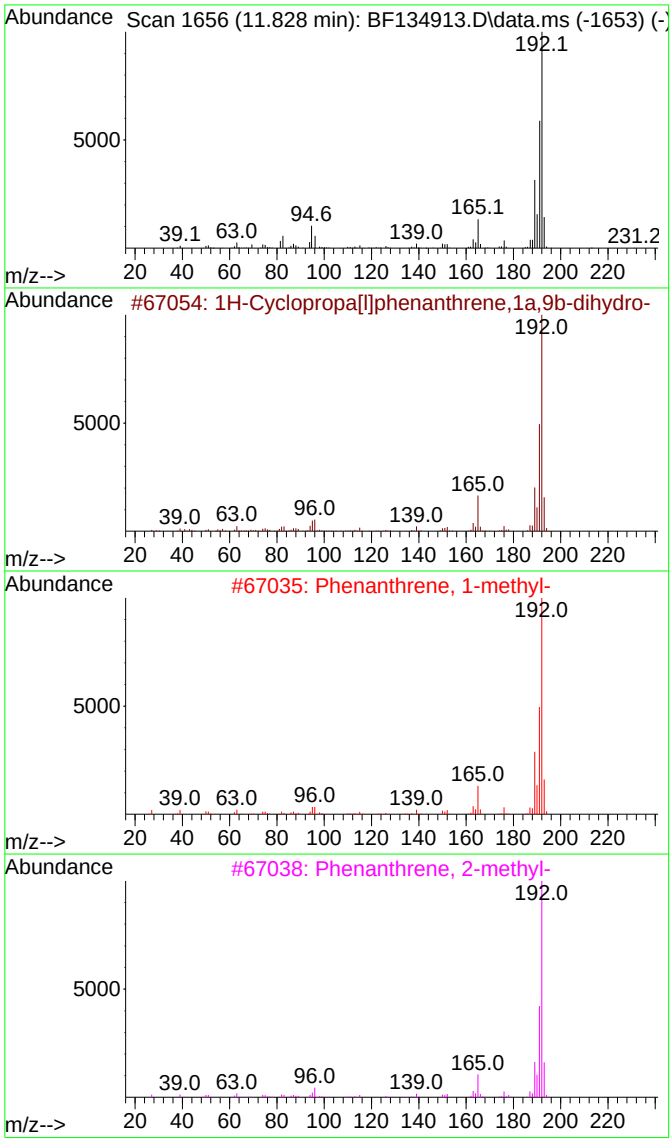
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

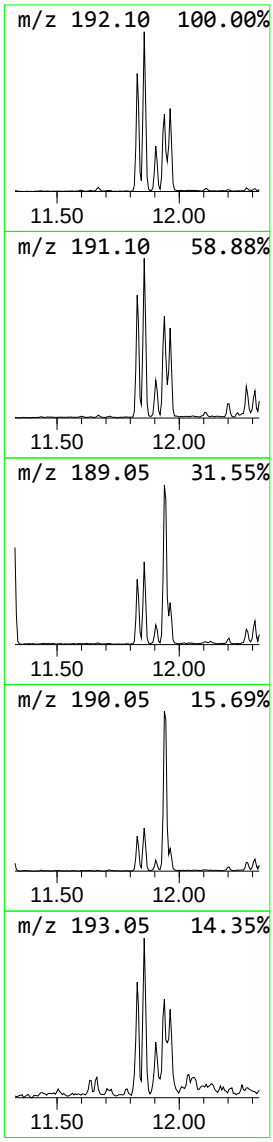
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.828 | 7.64 ng | 289531 | Phenanthrene-d10 | 11.322 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 93 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 93 |
| 3 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 92 |
| 4 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 91 |
| 5 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082323\
Data File : BF134913.D
Acq On : 23 Aug 2023 19:50
Operator : CG\JU
Sample : 04082-01 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
277

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

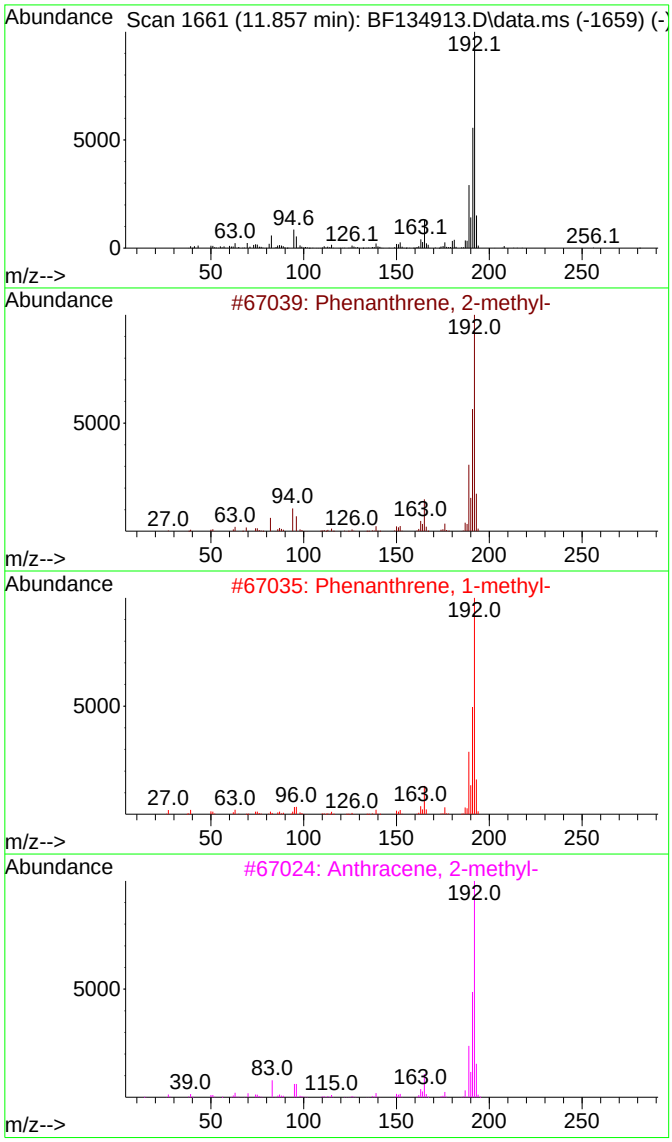
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

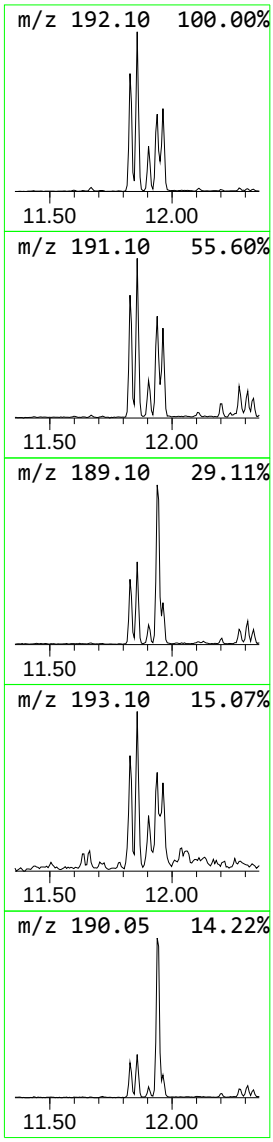
**********

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.857 | 9.25 ng | 350655 | Phenanthrene-d10 | 11.322 |

| 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 | 97 |
| 3 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 96 |
| 4 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 96 |
| 5 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 95 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082323\
Data File : BF134913.D
Acq On : 23 Aug 2023 19:50
Operator : CG\JU
Sample : 04082-01 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
277

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

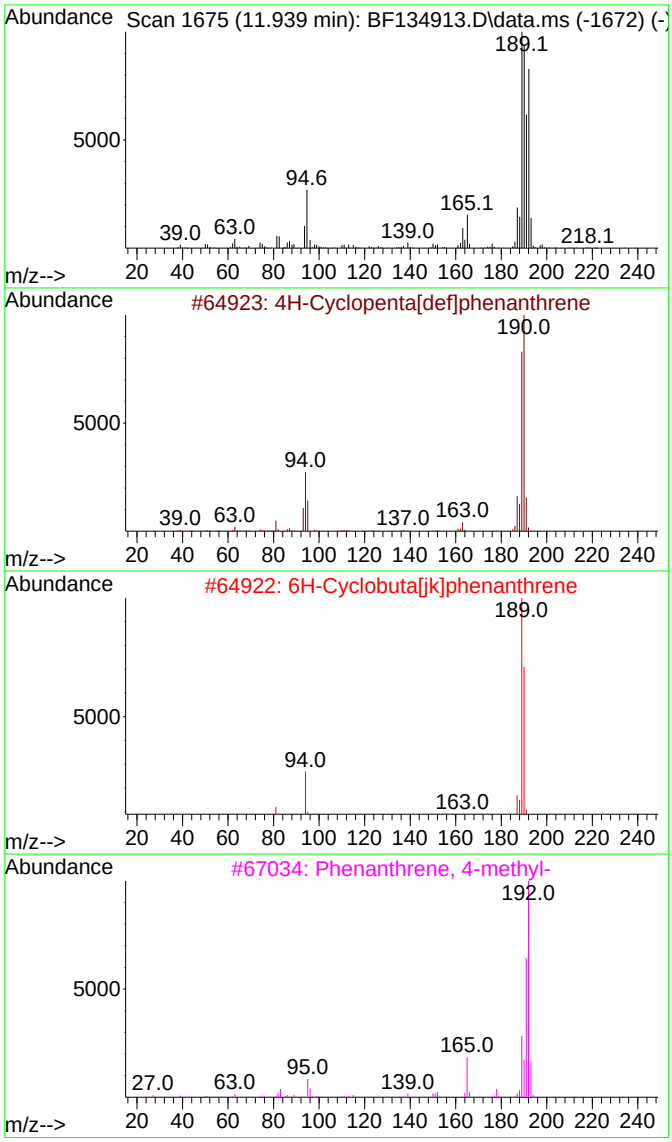
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

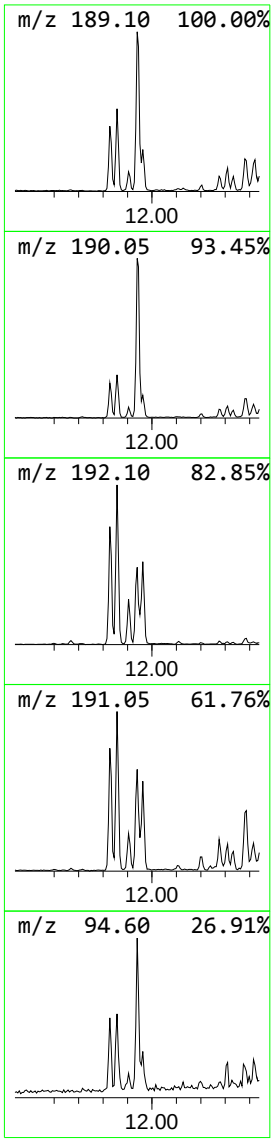
**********

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.939 | 11.59 ng | 439279 | Phenanthrene-d10 | 11.322 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 90 |
| 2 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 49 |
| 3 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 42 |
| 4 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 42 |
| 5 | 5H-Dibenzo[a,d]cycloheptene | 192 | C15H12 | 000256-81-5 | 41 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082323\
Data File : BF134913.D
Acq On : 23 Aug 2023 19:50
Operator : CG\JU
Sample : 04082-01 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
277

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

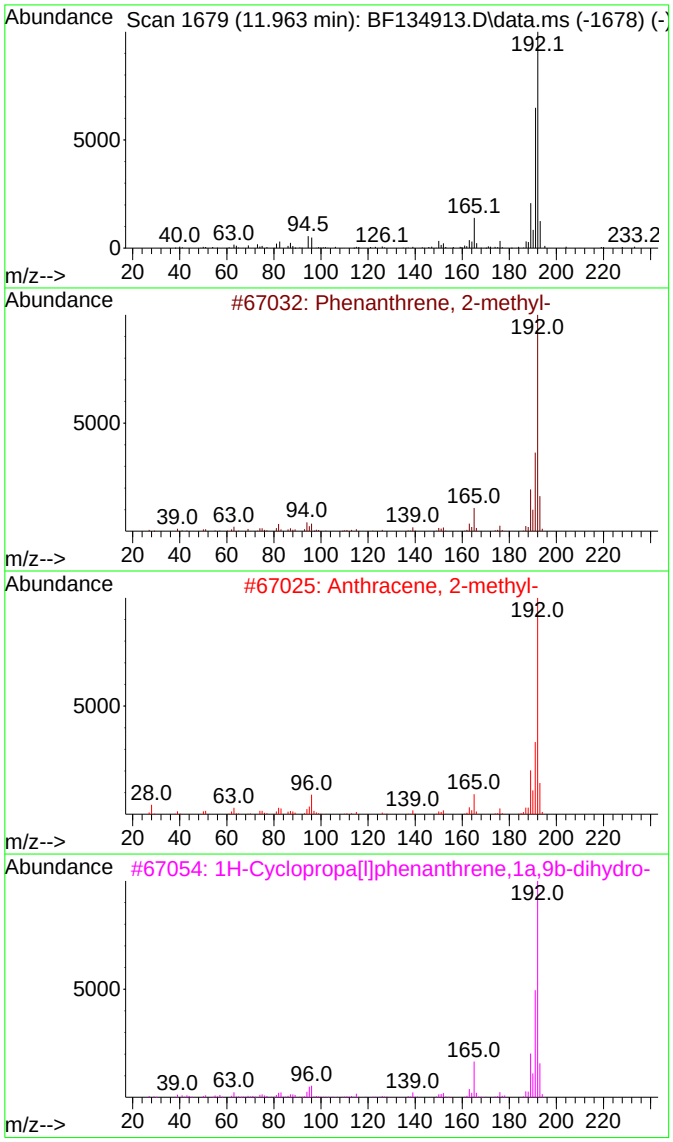
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

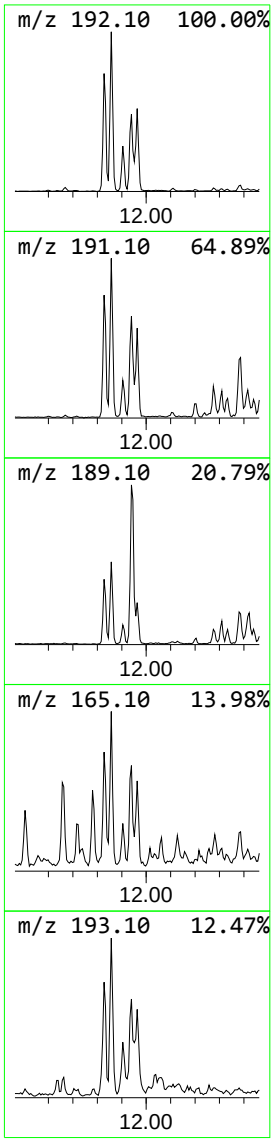
**********

Peak Number 7 Anthracene, 2-methyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.963 | 3.53 ng | 133841 | Phenanthrene-d10 | 11.322 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 94 |
| 2 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 94 |
| 3 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 93 |
| 4 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 93 |
| 5 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 89 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082323\
Data File : BF134913.D
Acq On : 23 Aug 2023 19:50
Operator : CG\JU
Sample : 04082-01 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
277

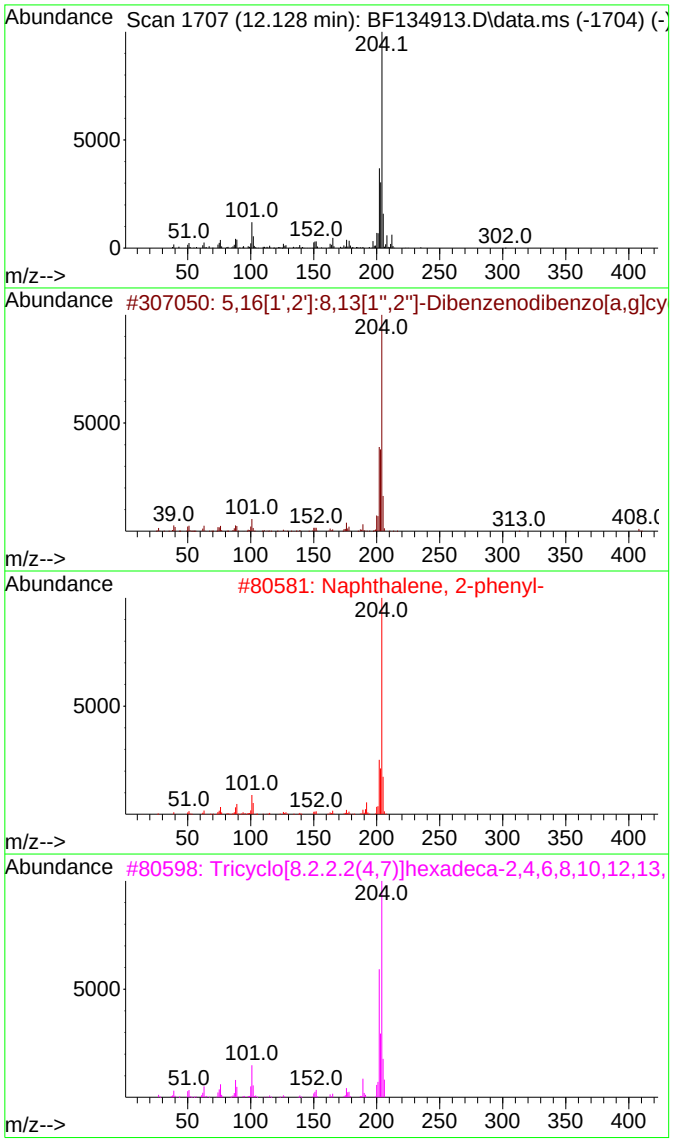
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

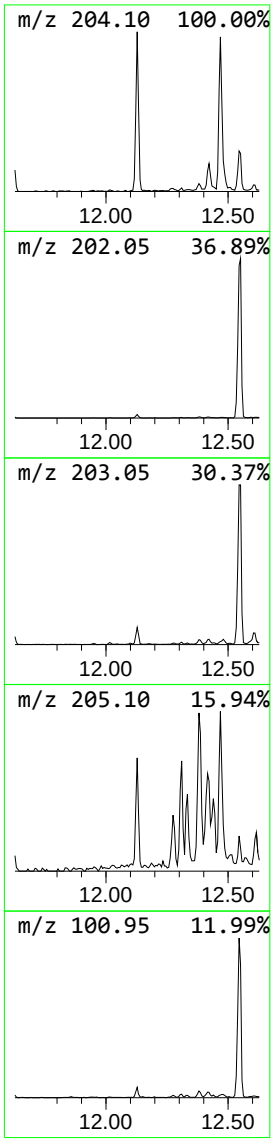
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.128 | 4.48 ng | 169992 | Phenanthrene-d10 | 11.322 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 86 |
| 2 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 81 |
| 3 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 74 |
| 4 | 6-Cyanophenanthridine | 204 | C14H8N2 | 002176-28-5 | 55 |
| 5 | 3,4-Biphenyldicarbonitrile | 204 | C14H8N2 | 004128-63-6 | 50 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082323\
Data File : BF134913.D
Acq On : 23 Aug 2023 19:50
Operator : CG\JU
Sample : 04082-01 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
277

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.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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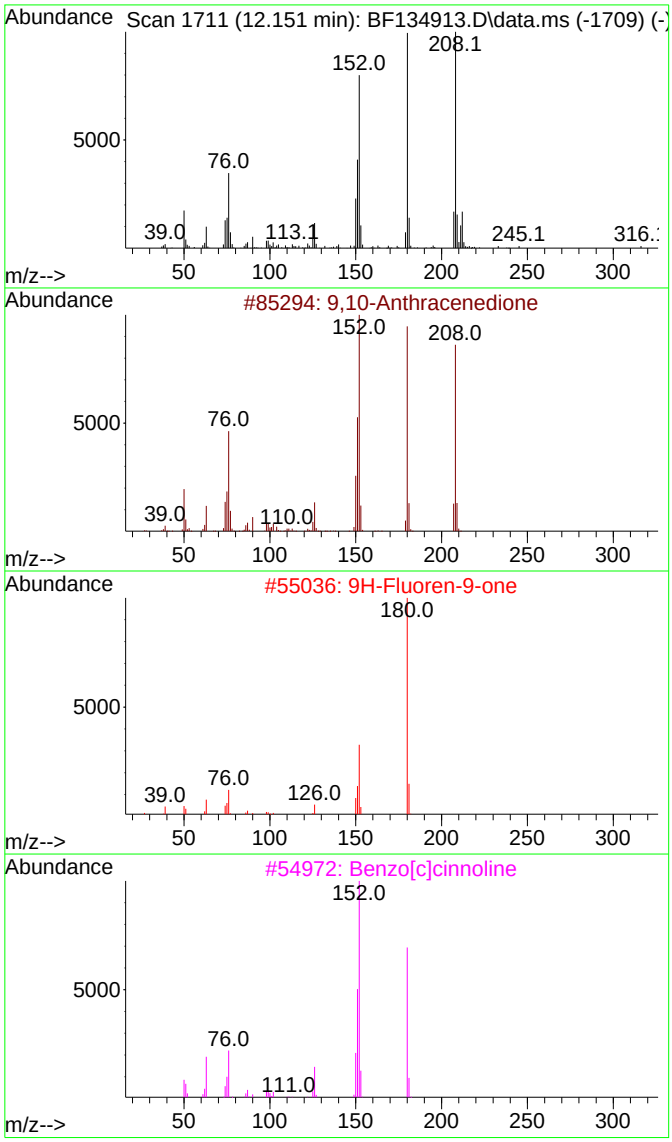
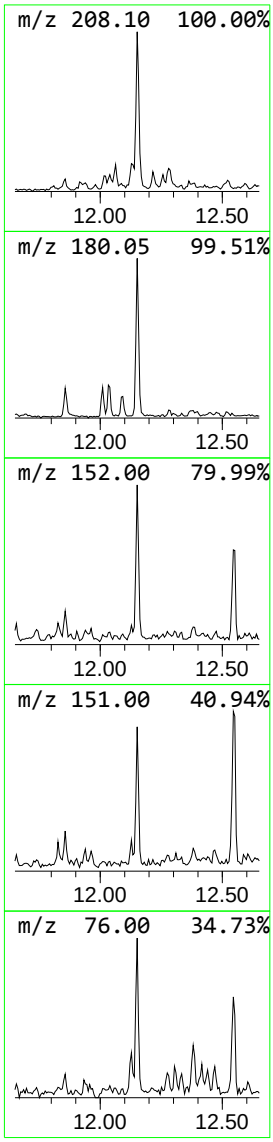
Peak Number 9 9,10-Anthracenedione Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.151 | 3.86 ng | 146256 | Phenanthrene-d10 | 11.322 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 98 |
| 2 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 95 |
| 3 | Benzo[c]cinnoline | 180 | C12H8N2 | 000230-17-1 | 58 |
| 4 | 9,10-Phenanthrenedione | 208 | C14H8O2 | 000084-11-7 | 53 |
| 5 | 1H-Phenalen-1-one | 180 | C13H8O | 000548-39-0 | 49 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082323\
Data File : BF134913.D
Acq On : 23 Aug 2023 19:50
Operator : CG\JU
Sample : 04082-01 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
277

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.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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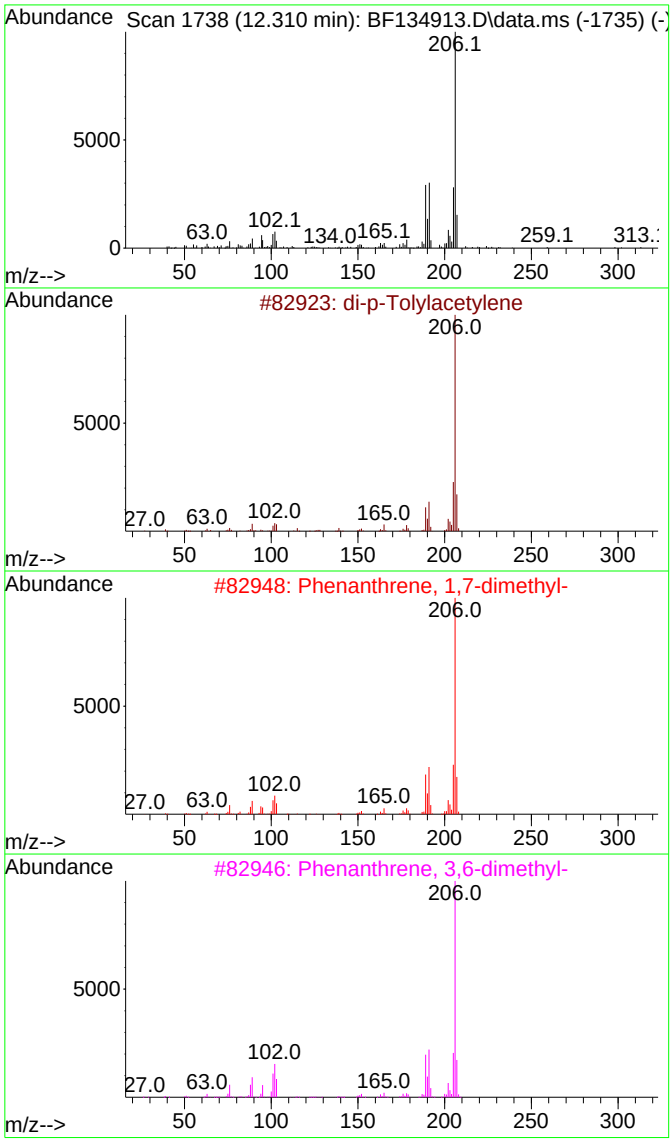
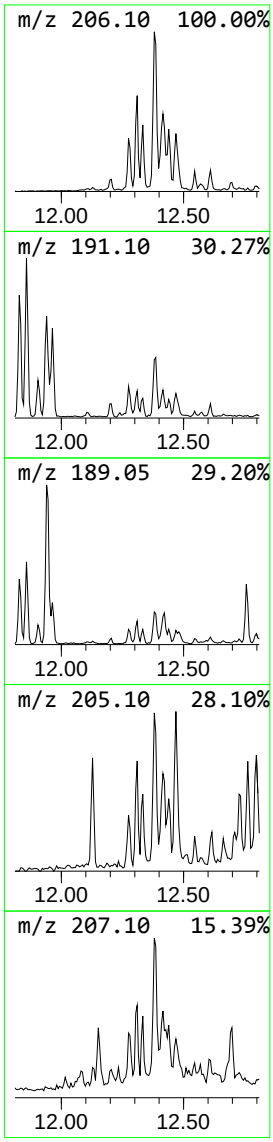
Peak Number 10 di-p-Tolylacetylene Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.310 | 2.61 ng | 99138 | Phenanthrene-d10 | 11.322 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 94 |
| 2 | Phenanthrene, 1,7-dimethyl- | 206 | C16H14 | 000483-87-4 | 94 |
| 3 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 91 |
| 4 | Phenanthrene, 2,7-dimethyl- | 206 | C16H14 | 001576-69-8 | 91 |
| 5 | 1,4-Diphenyl-1,3-butadiene | 206 | C16H14 | 000886-65-7 | 80 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082323\
Data File : BF134913.D
Acq On : 23 Aug 2023 19:50
Operator : CG\JU
Sample : 04082-01 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
277

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

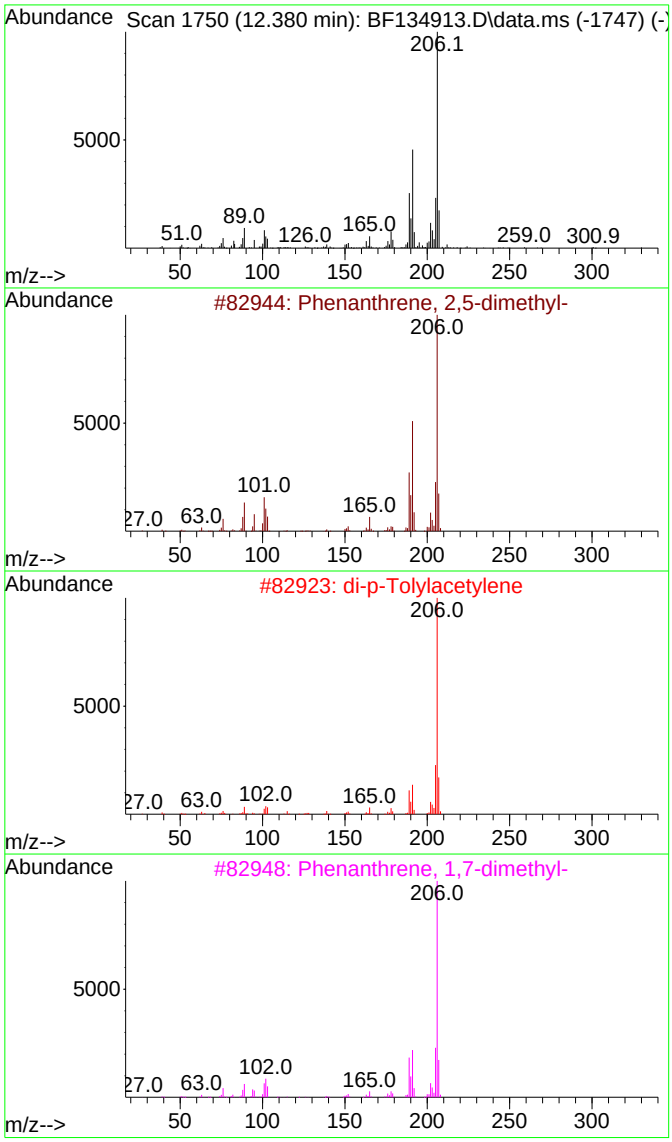
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

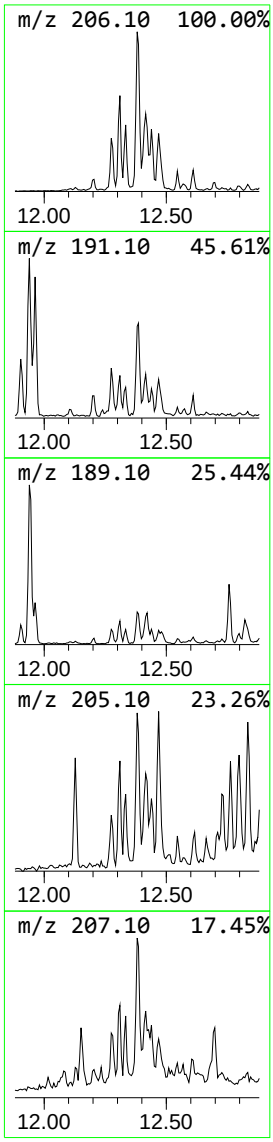
**********

Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.380 | 6.17 ng | 233788 | Phenanthrene-d10 | 11.322 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 96 |
| 2 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 93 |
| 3 | Phenanthrene, 1,7-dimethyl- | 206 | C16H14 | 000483-87-4 | 91 |
| 4 | Phenanthrene, 2,3-dimethyl- | 206 | C16H14 | 003674-65-5 | 90 |
| 5 | 1,3-Diphenyl-3-methylcyclopropene | 206 | C16H14 | 086544-79-8 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082323\
Data File : BF134913.D
Acq On : 23 Aug 2023 19:50
Operator : CG\JU
Sample : 04082-01 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
277

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.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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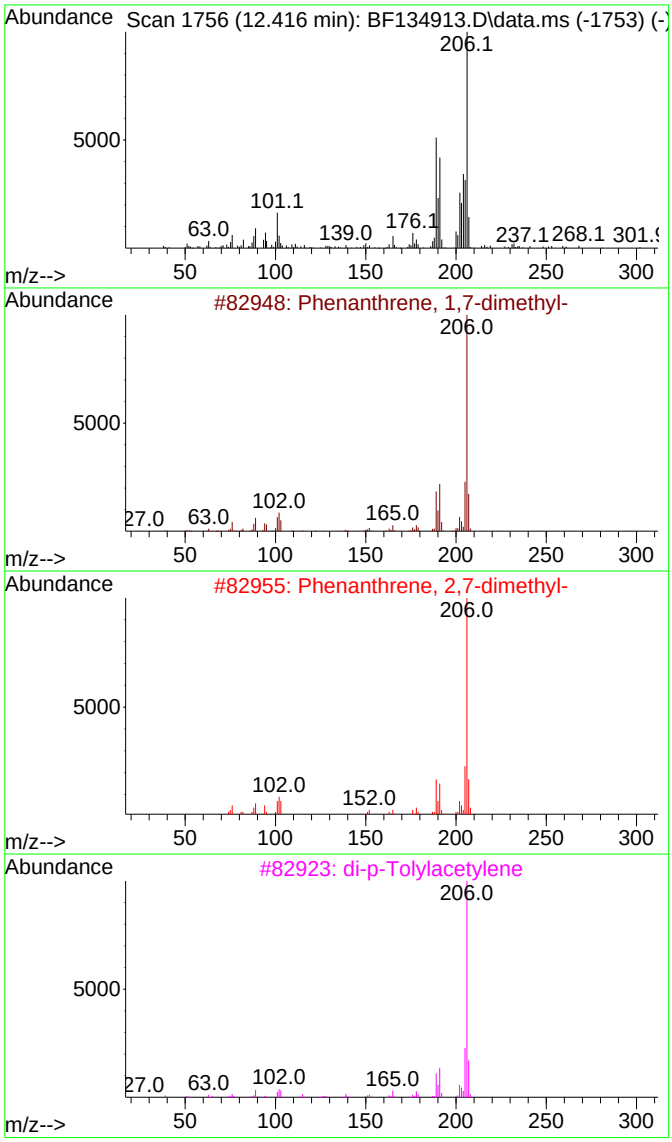
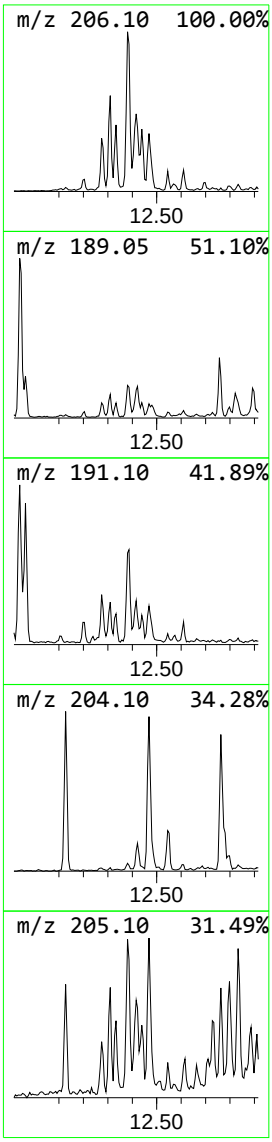
Peak Number 12 Phenanthrene, 1,7-dimethyl- Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.416 | 3.07 ng | 116440 | Phenanthrene-d10 | 11.322 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1,7-dimethyl- | 206 | C16H14 | 000483-87-4 | 81 |
| 2 | Phenanthrene, 2,7-dimethyl- | 206 | C16H14 | 001576-69-8 | 76 |
| 3 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 72 |
| 4 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 62 |
| 5 | Naphthalene, 1,2-dihydro-4-phenyl- | 206 | C16H14 | 007469-40-1 | 50 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082323\
Data File : BF134913.D
Acq On : 23 Aug 2023 19:50
Operator : CG\JU
Sample : 04082-01 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
277

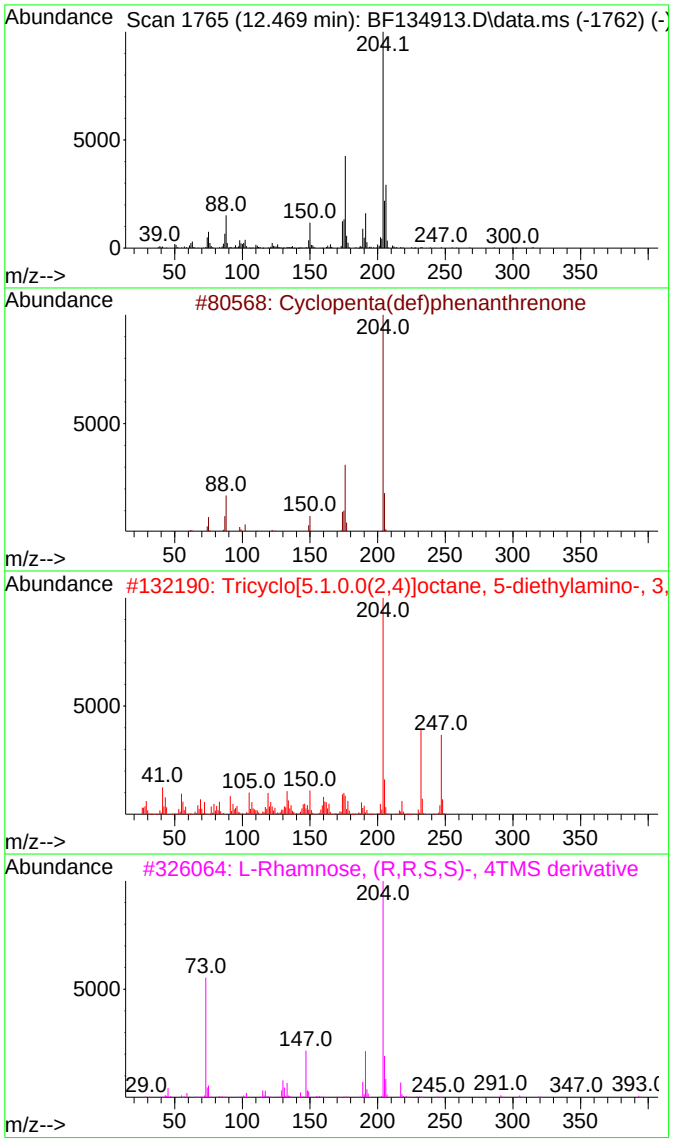
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

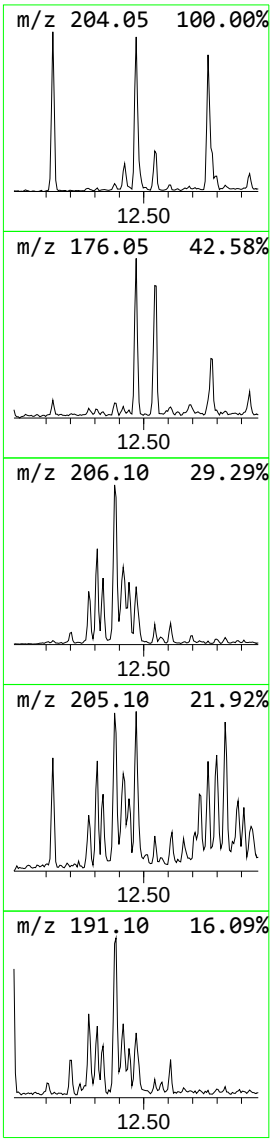
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.469 | 6.25 ng | 237020 | Phenanthrene-d10 | 11.322 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(def)phenanthrenone | 204 | C15H8O | 005737-13-3 | 94 |
| 2 | Tricyclo[5.1.0.0(2,4)]octane, 5-... | 247 | C17H29N | 1000063-59-3 | 47 |
| 3 | L-Rhamnose, (R,R,S,S)-, 4TMS der... | 452 | C18H44O5Si4 | 108392-01-4 | 43 |
| 4 | 1,2,4,8-Tetramethylbicyclo[6.3.0... | 204 | C15H24 | 137235-51-9 | 43 |
| 5 | Pyrimidine, 4-chloro-6-(4-methyl... | 204 | C11H9ClN2 | 1000380-55-8 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082323\
Data File : BF134913.D
Acq On : 23 Aug 2023 19:50
Operator : CG\JU
Sample : 04082-01 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
277

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.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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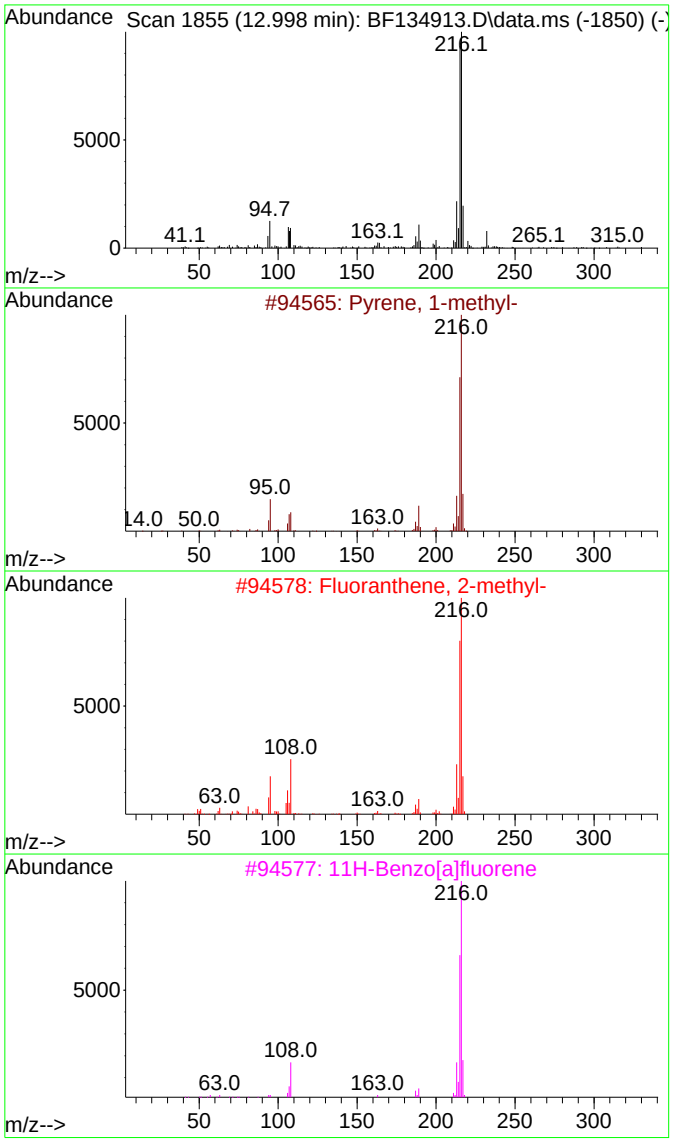
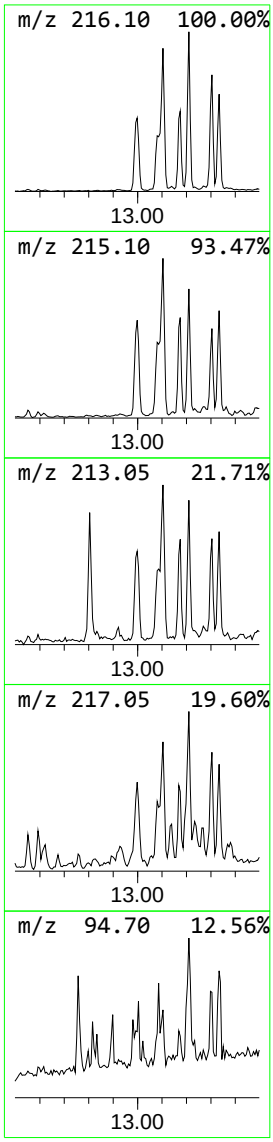
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.998 | 3.18 ng | 237345 | Chrysene-d12 | 13.980 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 94 |
| 2 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 90 |
| 3 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 90 |
| 4 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 89 |
| 5 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 87 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082323\
Data File : BF134913.D
Acq On : 23 Aug 2023 19:50
Operator : CG\JU
Sample : 04082-01 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
277

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.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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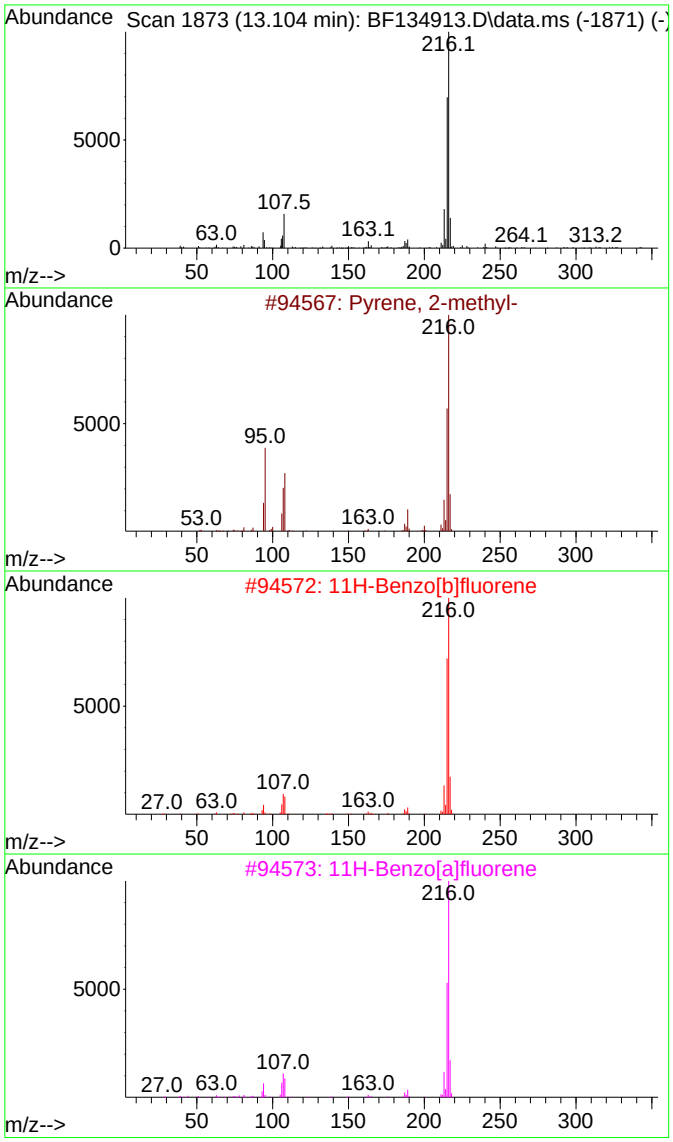
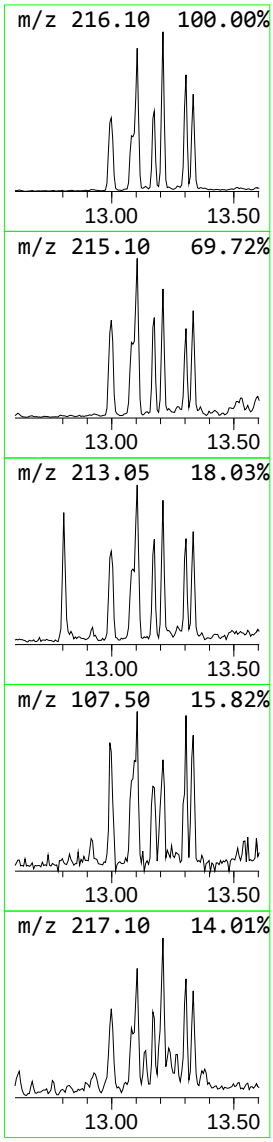
Peak Number 15 Pyrene, 2-methyl- Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.104 | 2.58 ng | 192492 | Chrysene-d12 | 13.980 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 91 |
| 2 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 90 |
| 3 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 90 |
| 4 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 72 |
| 5 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082323\
Data File : BF134913.D
Acq On : 23 Aug 2023 19:50
Operator : CG\JU
Sample : 04082-01 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
277

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.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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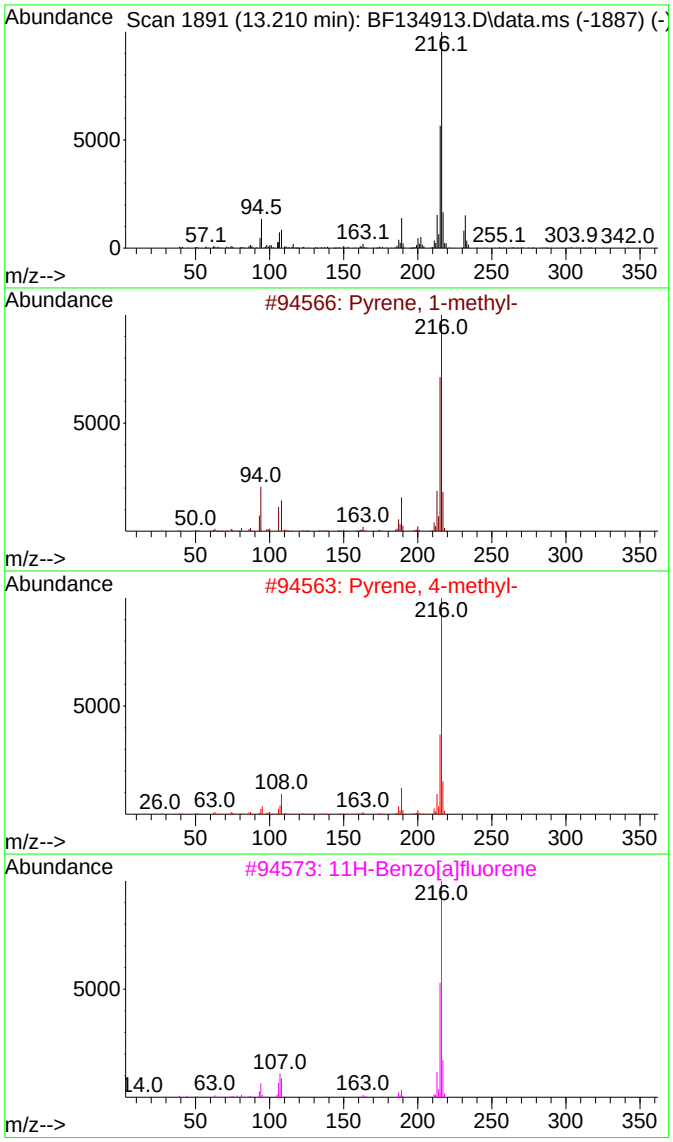
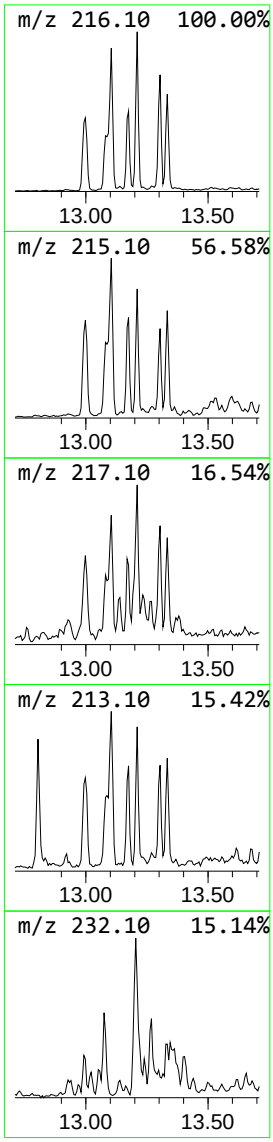
Peak Number 16 Pyrene, 4-methyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.210 | 3.65 ng | 272544 | Chrysene-d12 | 13.980 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 96 |
| 2 | Pyrene, 4-methyl- | 216 | C17H12 | 003353-12-6 | 95 |
| 3 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 94 |
| 4 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 94 |
| 5 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 81 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082323\
Data File : BF134913.D
Acq On : 23 Aug 2023 19:50
Operator : CG\JU
Sample : 04082-01 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
277

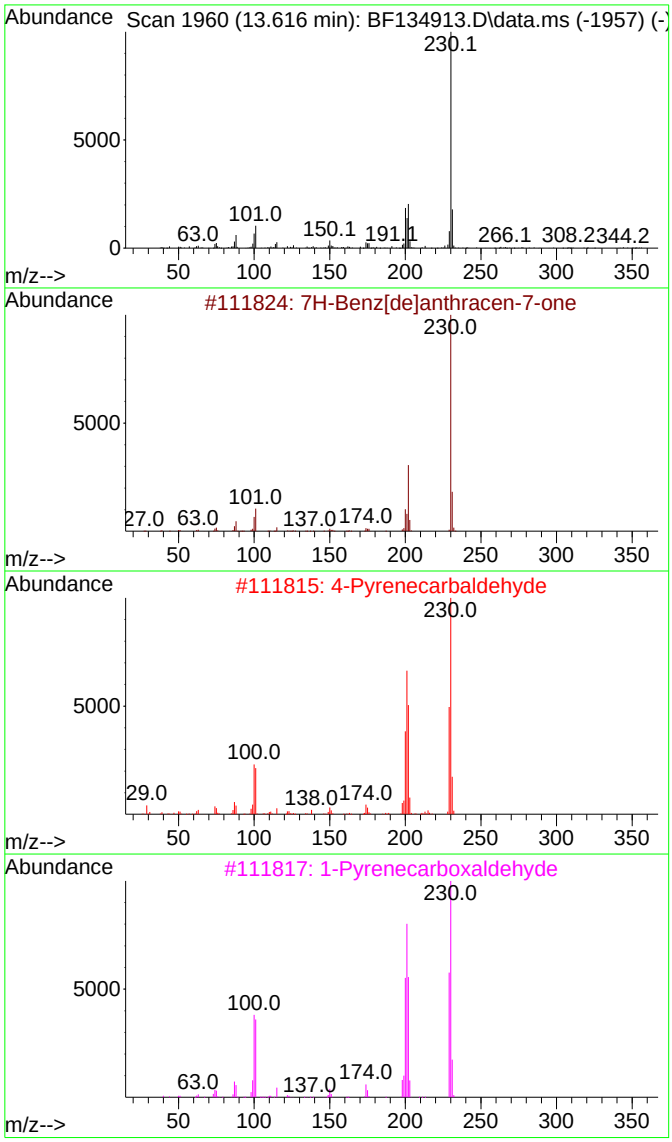
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

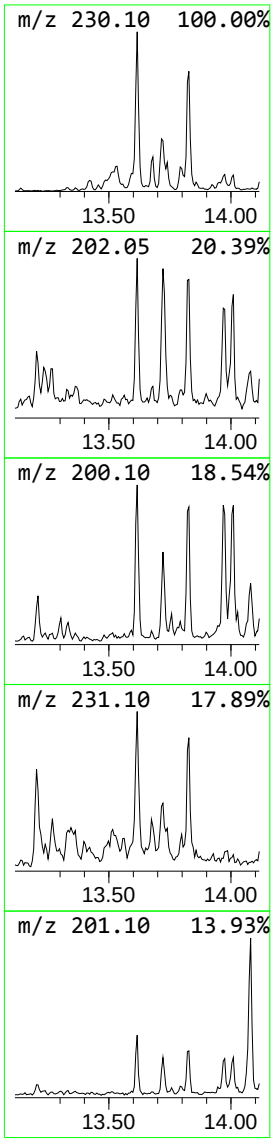
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 17 7H-Benz[de]anthracen-7-one Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.616 | 2.52 ng | 187966 | Chrysene-d12 | 13.980 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 90 |
| 2 | 4-Pyrenecarbaldehyde | 230 | C17H10O | 022245-51-8 | 83 |
| 3 | 1-Pyrenecarboxaldehyde | 230 | C17H10O | 003029-19-4 | 64 |
| 4 | p-Terphenyl | 230 | C18H14 | 000092-94-4 | 53 |
| 5 | m-Terphenyl | 230 | C18H14 | 000092-06-8 | 53 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082323\
Data File : BF134913.D
Acq On : 23 Aug 2023 19:50
Operator : CG\JU
Sample : 04082-01 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
277

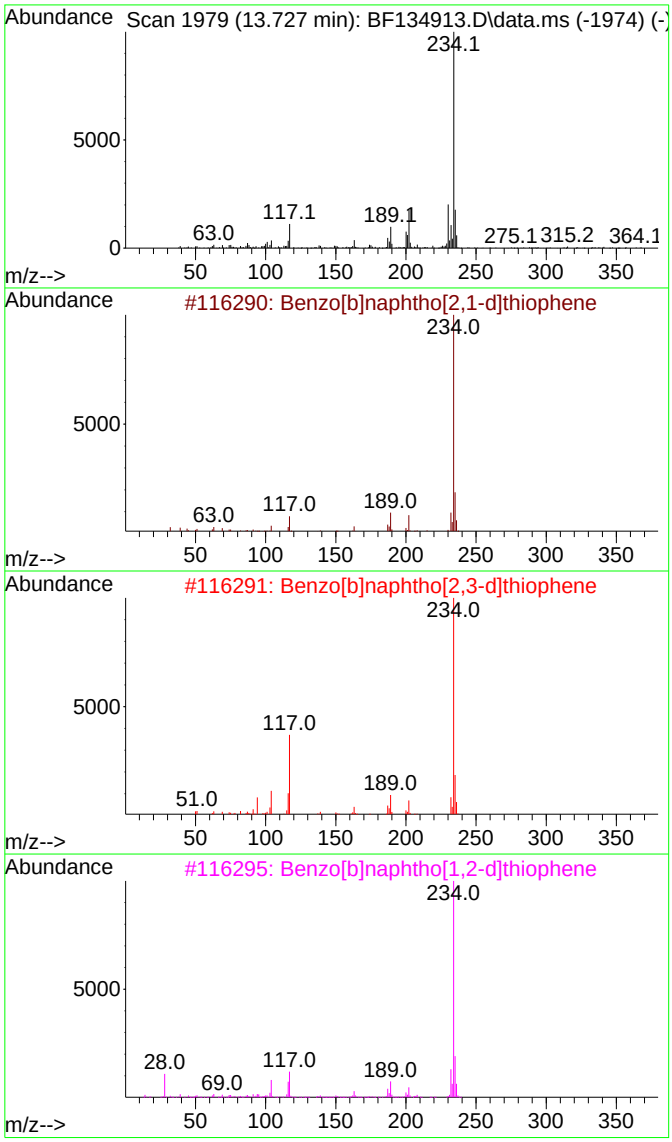
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

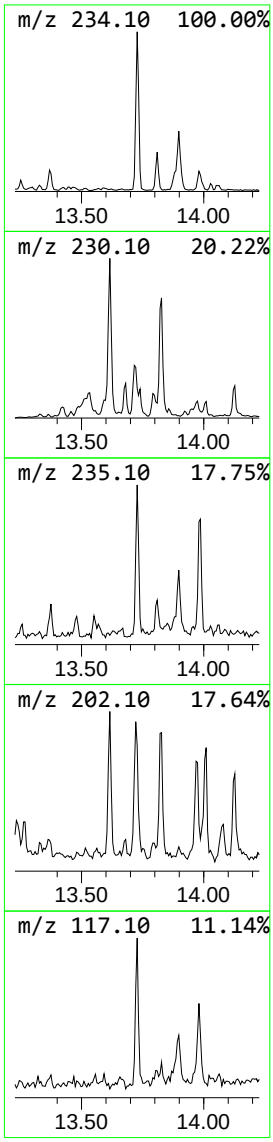
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 18 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.727 | 3.51 ng | 261909 | Chrysene-d12 | 13.980 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[b]naphtho[2,1-d]thiophene | 234 | C16H10S | 000239-35-0 | 94 |
| 2 | Benzo[b]naphtho[2,3-d]thiophene | 234 | C16H10S | 000243-46-9 | 81 |
| 3 | Benzo[b]naphtho[1,2-d]thiophene | 234 | C16H10S | 000205-43-6 | 76 |
| 4 | Phenanthro(2,1-b)thiophene | 234 | C16H10S | 000219-25-0 | 62 |
| 5 | 2-(5-Amino-2-chloro-4-cyano-2-et... | 234 | C10H7ClN4O | 1000436-11-9 | 47 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082323\
Data File : BF134913.D
Acq On : 23 Aug 2023 19:50
Operator : CG\JU
Sample : 04082-01 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
277

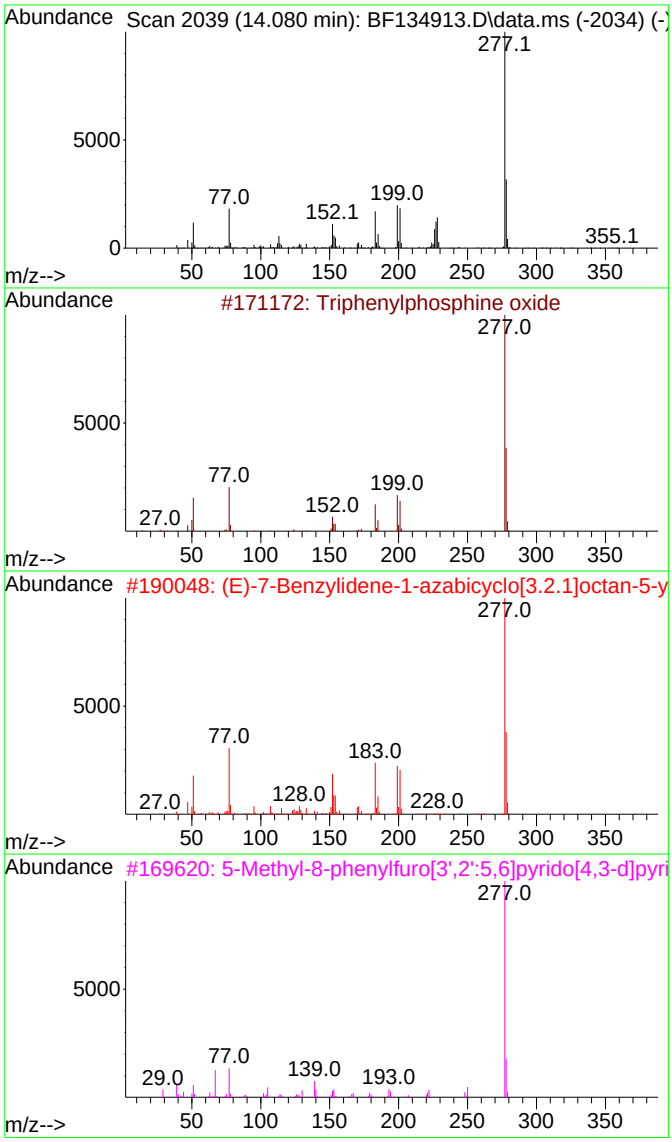
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

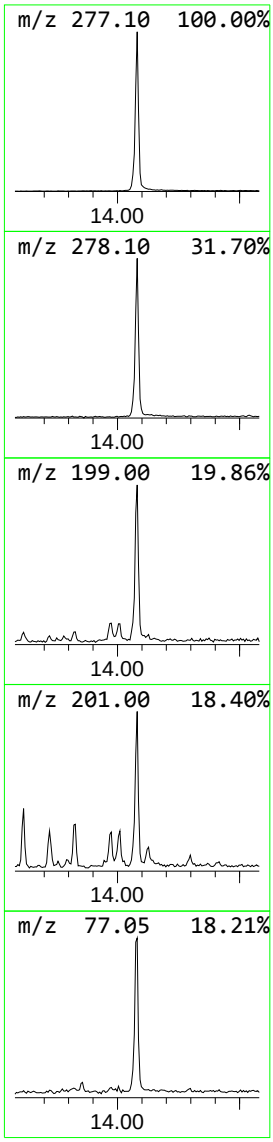
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 19 Triphenylphosphine oxide Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.080 | 7.62 ng | 568519 | Chrysene-d12 | 13.980 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Triphenylphosphine oxide | 278 | C18H15OP | 000791-28-6 | 97 |
| 2 | (E)-7-Benzylidene-1-azabicyclo[3... | 293 | C15H19NO3S | 1000483-83-4 | 38 |
| 3 | 5-Methyl-8-phenylfuro[3',2':5,6]... | 277 | C16H11N3O2 | 1000460-07-9 | 37 |
| 4 | 3-(3,4-Dichlorophenyl)-2-thioxo-... | 277 | C9H5Cl2NOS2 | 017046-34-3 | 37 |
| 5 | Formaldehyde, (triphenylphosphor... | 304 | C19H17N2P | 015990-54-2 | 33 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082323\
Data File : BF134913.D
Acq On : 23 Aug 2023 19:50
Operator : CG\JU
Sample : 04082-01 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
277

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

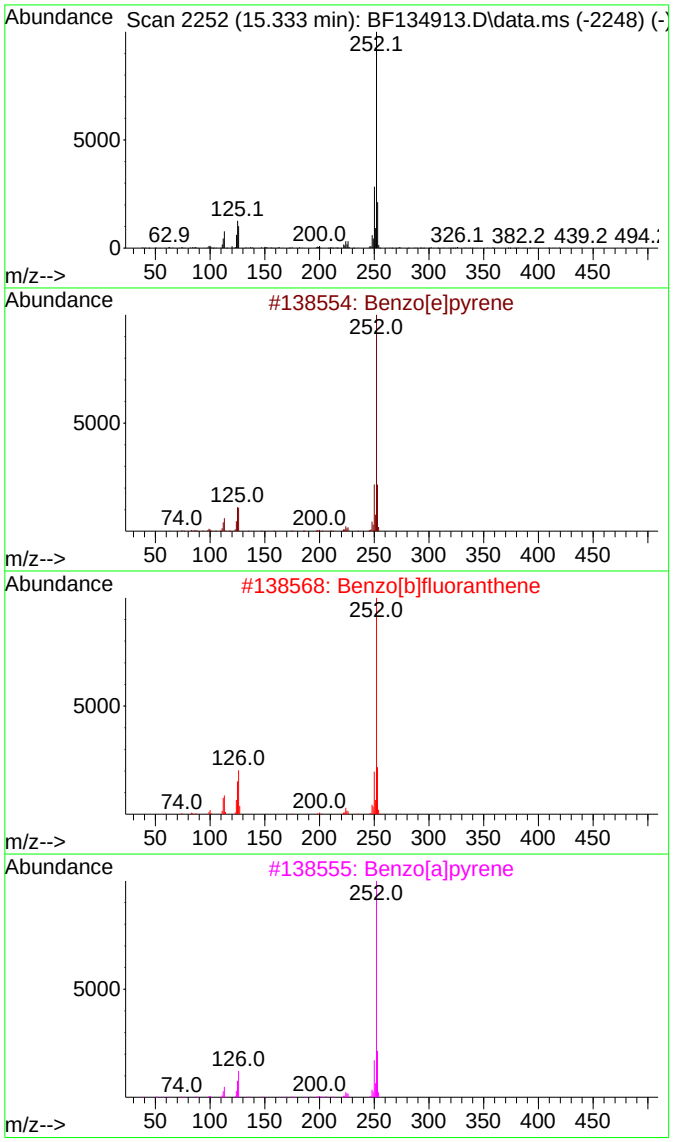
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

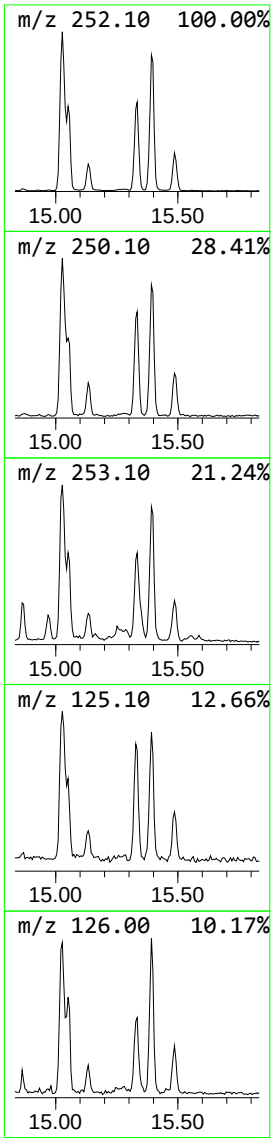
**********

Peak Number 20 Benzo[e]pyrene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.333 | 17.21 ng | 379436 | Perylene-d12 | 15.457 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 97 |
| 2 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 94 |
| 3 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 93 |
| 4 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 90 |
| 5 | Perylene | 252 | C20H12 | 000198-55-0 | 89 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082323\
Data File : BF134913.D
Acq On : 23 Aug 2023 19:50
Operator : CG\JU
Sample : 04082-01 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
277

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.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 |
| Naphthalene, 2,... | 9.486 | 3.4 | ng | 135596 | 3 | 9.834 | 795401 | 20.0 |
| 9H-Fluoren-9-one | 11.128 | 4.4 | ng | 167919 | 4 | 11.322 | 758318 | 20.0 |
| Dibenzothiophene | 11.222 | 3.6 | ng | 138353 | 4 | 11.322 | 758318 | 20.0 |
| 1H-Cyclopropa[l... | 11.828 | 7.6 | ng | 289531 | 4 | 11.322 | 758318 | 20.0 |
| Phenanthrene, 2... | 11.857 | 9.3 | ng | 350655 | 4 | 11.322 | 758318 | 20.0 |
| 4H-Cyclopenta[d... | 11.939 | 11.6 | ng | 439279 | 4 | 11.322 | 758318 | 20.0 |
| Anthracene, 2-m... | 11.963 | 3.5 | ng | 133841 | 4 | 11.322 | 758318 | 20.0 |
| 5,16[1',2']:8,1... | 12.128 | 4.5 | ng | 169992 | 4 | 11.322 | 758318 | 20.0 |
| 9,10-Anthracene... | 12.151 | 3.9 | ng | 146256 | 4 | 11.322 | 758318 | 20.0 |
| di-p-Tolylacety... | 12.310 | 2.6 | ng | 99138 | 4 | 11.322 | 758318 | 20.0 |
| Phenanthrene, 2... | 12.380 | 6.2 | ng | 233788 | 4 | 11.322 | 758318 | 20.0 |
| Phenanthrene, 1... | 12.416 | 3.1 | ng | 116440 | 4 | 11.322 | 758318 | 20.0 |
| Cyclopenta(def)... | 12.469 | 6.3 | ng | 237020 | 4 | 11.322 | 758318 | 20.0 |
| Pyrene, 1-methyl- | 12.998 | 3.2 | ng | 237345 | 5 | 13.980 | 1491390 | 20.0 |
| Pyrene, 2-methyl- | 13.104 | 2.6 | ng | 192492 | 5 | 13.980 | 1491390 | 20.0 |
| Pyrene, 4-methyl- | 13.210 | 3.6 | ng | 272544 | 5 | 13.980 | 1491390 | 20.0 |
| 7H-Benz[de]anth... | 13.616 | 2.5 | ng | 187966 | 5 | 13.980 | 1491390 | 20.0 |
| Benzo[b]naphtho... | 13.727 | 3.5 | ng | 261909 | 5 | 13.980 | 1491390 | 20.0 |
| Triphenylphosph... | 14.080 | 7.6 | ng | 568519 | 5 | 13.980 | 1491390 | 20.0 |
| Benzo[e]pyrene | 15.333 | 17.2 | ng | 379436 | 6 | 15.457 | 440929 | 20.0 |