LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136051.D
Acq On : 31 Oct 2023 15:02
Operator : CG\JU
Sample : 04805-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
B-1(0-5)

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-BF103023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF136051.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.034 | 497 | 501 | 506 | rVB | 106398 | 101922 | 1.84% | 0.147% |
| 2 | 5.440 | 567 | 570 | 574 | rVB | 720248 | 578697 | 10.47% | 0.836% |
| 3 | 6.446 | 737 | 741 | 744 | rVB | 681000 | 560213 | 10.14% | 0.810% |
| 4 | 6.822 | 801 | 805 | 808 | rBV | 1065889 | 794350 | 14.38% | 1.148% |
| 5 | 7.375 | 896 | 899 | 903 | rVB | 441021 | 331666 | 6.00% | 0.479% |
| 6 | 8.104 | 1018 | 1023 | 1024 | rBV | 1130283 | 1024565 | 18.54% | 1.481% |
| 7 | 8.122 | 1024 | 1026 | 1029 | rVB | 794169 | 560065 | 10.14% | 0.809% |
| 8 | 8.816 | 1141 | 1144 | 1147 | rVB | 525687 | 385942 | 6.99% | 0.558% |
| 9 | 8.916 | 1157 | 1161 | 1164 | rVB | 367675 | 306086 | 5.54% | 0.442% |
| 10 | 9.181 | 1202 | 1206 | 1209 | rVV | 757497 | 621655 | 11.25% | 0.898% |
| 11 | 9.263 | 1216 | 1220 | 1222 | rBV2 | 64113 | 83777 | 1.52% | 0.121% |
| 12 | 9.375 | 1237 | 1239 | 1244 | rVB | 74075 | 81879 | 1.48% | 0.118% |
| 13 | 9.445 | 1246 | 1251 | 1255 | rBV | 163778 | 230073 | 4.16% | 0.332% |
| 14 | 9.516 | 1260 | 1263 | 1266 | rVV | 295011 | 285722 | 5.17% | 0.413% |
| 15 | 9.545 | 1266 | 1268 | 1270 | rVV | 197275 | 150702 | 2.73% | 0.218% |
| 16 | 9.586 | 1270 | 1275 | 1278 | rVV3 | 131358 | 163305 | 2.96% | 0.236% |
| 17 | 9.634 | 1280 | 1283 | 1288 | rVB | 143839 | 151870 | 2.75% | 0.219% |
| 18 | 9.722 | 1294 | 1298 | 1302 | rVB | 445383 | 388376 | 7.03% | 0.561% |
| 19 | 9.857 | 1315 | 1321 | 1324 | rBV | 1084133 | 1042624 | 18.87% | 1.507% |
| 20 | 9.892 | 1324 | 1327 | 1330 | rVB | 819553 | 617666 | 11.18% | 0.893% |
| 21 | 10.022 | 1343 | 1349 | 1351 | rBV4 | 57416 | 85917 | 1.56% | 0.124% |
| 22 | 10.063 | 1353 | 1356 | 1359 | rVV | 564982 | 442654 | 8.01% | 0.640% |
| 23 | 10.175 | 1373 | 1375 | 1378 | rVB2 | 81715 | 81667 | 1.48% | 0.118% |
| 24 | 10.269 | 1387 | 1391 | 1393 | rBV3 | 82132 | 94966 | 1.72% | 0.137% |
| 25 | 10.410 | 1411 | 1415 | 1421 | rVB | 1132713 | 932168 | 16.87% | 1.347% |
| 26 | 10.475 | 1421 | 1426 | 1428 | rBV | 137373 | 162411 | 2.94% | 0.235% |
| 27 | 10.498 | 1428 | 1430 | 1432 | rVV | 96847 | 84653 | 1.53% | 0.122% |
| 28 | 10.522 | 1432 | 1434 | 1437 | rVV2 | 131150 | 123765 | 2.24% | 0.179% |
| 29 | 10.569 | 1439 | 1442 | 1445 | rVB | 201888 | 162714 | 2.95% | 0.235% |
| 30 | 10.645 | 1451 | 1455 | 1460 | rVB2 | 525604 | 538794 | 9.75% | 0.779% |
| 31 | 10.698 | 1460 | 1464 | 1468 | rVB3 | 53872 | 77299 | 1.40% | 0.112% |
| 32 | 10.775 | 1468 | 1477 | 1483 | rBV3 | 147297 | 279498 | 5.06% | 0.404% |
| 33 | 10.957 | 1502 | 1508 | 1511 | rBV2 | 203622 | 275671 | 4.99% | 0.398% |
| 34 | 10.986 | 1511 | 1513 | 1516 | rVV2 | 131916 | 120535 | 2.18% | 0.174% |
| 35 | 11.045 | 1520 | 1523 | 1526 | rVB | 114786 | 106815 | 1.93% | 0.154% |
| 36 | 11.092 | 1526 | 1531 | 1532 | rBV2 | 87391 | 115260 | 2.09% | 0.167% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
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Acq On : 31 Oct 2023 15:02
Operator : CG\JU
Sample : 04805-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
B-1(0-5)

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-BF103023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 11.110 | 1532 | 1534 | 1537 | rVV3 | 122453 | 119535 | 2.16% | 0.173% |
| 38 | 11.198 | 1546 | 1549 | 1552 | rBV | 99844 | 113682 | 2.06% | 0.164% |
| 39 | 11.245 | 1552 | 1557 | 1563 | rVB2 | 294530 | 396902 | 7.18% | 0.574% |
| 40 | 11.351 | 1572 | 1575 | 1577 | rBV | 843747 | 792715 | 14.35% | 1.145% |
| 41 | 11.380 | 1577 | 1580 | 1583 | rVV | 3851055 | 3374740 | 61.08% | 4.877% |
| 42 | 11.428 | 1585 | 1588 | 1591 | rVB | 1491050 | 1177056 | 21.30% | 1.701% |
| 43 | 11.463 | 1591 | 1594 | 1597 | rBV2 | 164058 | 175292 | 3.17% | 0.253% |
| 44 | 11.580 | 1608 | 1614 | 1617 | rBV2 | 172359 | 262709 | 4.75% | 0.380% |
| 45 | 11.657 | 1624 | 1627 | 1629 | rBV3 | 121707 | 112623 | 2.04% | 0.163% |
| 46 | 11.686 | 1629 | 1632 | 1638 | rVB2 | 108092 | 105199 | 1.90% | 0.152% |
| 47 | 11.769 | 1643 | 1646 | 1649 | rVB | 96022 | 99709 | 1.80% | 0.144% |
| 48 | 11.857 | 1658 | 1661 | 1663 | rBV | 533532 | 423278 | 7.66% | 0.612% |
| 49 | 11.886 | 1663 | 1666 | 1671 | rVB | 844140 | 704081 | 12.74% | 1.017% |
| 50 | 11.933 | 1671 | 1674 | 1677 | rBV | 365969 | 330977 | 5.99% | 0.478% |
| 51 | 11.975 | 1677 | 1681 | 1683 | rBV | 1395288 | 1439251 | 26.05% | 2.080% |
| 52 | 12.157 | 1709 | 1712 | 1714 | rBV | 396988 | 296209 | 5.36% | 0.428% |
| 53 | 12.310 | 1735 | 1738 | 1740 | rVV | 116258 | 111482 | 2.02% | 0.161% |
| 54 | 12.339 | 1740 | 1743 | 1744 | rVV | 145581 | 125792 | 2.28% | 0.182% |
| 55 | 12.363 | 1744 | 1747 | 1749 | rVB2 | 143338 | 144264 | 2.61% | 0.208% |
| 56 | 12.410 | 1752 | 1755 | 1758 | rBV | 363282 | 399607 | 7.23% | 0.577% |
| 57 | 12.451 | 1758 | 1762 | 1767 | rVB2 | 303757 | 427222 | 7.73% | 0.617% |
| 58 | 12.510 | 1767 | 1772 | 1775 | rBV3 | 168573 | 267937 | 4.85% | 0.387% |
| 59 | 12.580 | 1779 | 1784 | 1787 | rBV | 4660649 | 5022538 | 90.91% | 7.258% |
| 60 | 12.627 | 1787 | 1792 | 1796 | rBV4 | 134935 | 191612 | 3.47% | 0.277% |
| 61 | 12.669 | 1796 | 1799 | 1803 | rBV | 218257 | 185730 | 3.36% | 0.268% |
| 62 | 12.727 | 1806 | 1809 | 1816 | rVB3 | 213645 | 298491 | 5.40% | 0.431% |
| 63 | 12.810 | 1817 | 1823 | 1828 | rBV2 | 4138915 | 5524956 | 100.00% | 7.984% |
| 64 | 12.857 | 1828 | 1831 | 1836 | rVB2 | 210051 | 289162 | 5.23% | 0.418% |
| 65 | 12.927 | 1839 | 1843 | 1844 | rBV | 323904 | 314649 | 5.70% | 0.455% |
| 66 | 12.951 | 1844 | 1847 | 1854 | rVB2 | 691451 | 851884 | 15.42% | 1.231% |
| 67 | 13.027 | 1854 | 1860 | 1863 | rBV2 | 436351 | 733933 | 13.28% | 1.061% |
| 68 | 13.057 | 1863 | 1865 | 1867 | rVB | 138135 | 108299 | 1.96% | 0.156% |
| 69 | 13.110 | 1871 | 1874 | 1876 | rBV4 | 314224 | 378292 | 6.85% | 0.547% |
| 70 | 13.139 | 1876 | 1879 | 1882 | rVB | 1229712 | 1113058 | 20.15% | 1.608% |
| 71 | 13.169 | 1882 | 1884 | 1886 | rBV2 | 79246 | 92072 | 1.67% | 0.133% |
| 72 | 13.204 | 1887 | 1890 | 1893 | rBV | 1263741 | 1048111 | 18.97% | 1.515% |
| 73 | 13.239 | 1893 | 1896 | 1899 | rBV | 710420 | 683021 | 12.36% | 0.987% |
| 74 | 13.298 | 1904 | 1906 | 1909 | rBV2 | 120482 | 135183 | 2.45% | 0.195% |
| 75 | 13.333 | 1909 | 1912 | 1914 | rVB | 387365 | 303373 | 5.49% | 0.438% |
| 76 | 13.363 | 1914 | 1917 | 1921 | rBV | 419392 | 369463 | 6.69% | 0.534% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136051.D
Acq On : 31 Oct 2023 15:02
Operator : CG\JU
Sample : 04805-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
B-1(0-5)

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-BF103023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 13.545 | 1945 | 1948 | 1949 | rBV3 | 148556 | 124617 | 2.26% | 0.180% |
| 78 | 13.622 | 1958 | 1961 | 1963 | rBV3 | 214514 | 254152 | 4.60% | 0.367% |
| 79 | 13.757 | 1981 | 1984 | 1987 | rBV | 384221 | 445105 | 8.06% | 0.643% |
| 80 | 13.786 | 1987 | 1989 | 1991 | rVV | 491819 | 422656 | 7.65% | 0.611% |
| 81 | 13.810 | 1991 | 1993 | 1999 | rVB3 | 503672 | 543155 | 9.83% | 0.785% |
| 82 | 14.010 | 2020 | 2027 | 2030 | rBV2 | 3190319 | 4471976 | 80.94% | 6.462% |
| 83 | 14.045 | 2030 | 2033 | 2038 | rVB | 2769713 | 2735000 | 49.50% | 3.952% |
| 84 | 14.121 | 2043 | 2046 | 2049 | rVB | 755546 | 593317 | 10.74% | 0.857% |
| 85 | 14.157 | 2049 | 2052 | 2054 | rBV | 247970 | 226273 | 4.10% | 0.327% |
| 86 | 14.227 | 2062 | 2064 | 2065 | rBV | 210696 | 173155 | 3.13% | 0.250% |
| 87 | 14.369 | 2086 | 2088 | 2090 | rBV | 162567 | 158257 | 2.86% | 0.229% |
| 88 | 14.404 | 2091 | 2094 | 2097 | rVV | 695737 | 662674 | 11.99% | 0.958% |
| 89 | 14.439 | 2097 | 2100 | 2103 | rVB | 330722 | 321703 | 5.82% | 0.465% |
| 90 | 14.498 | 2107 | 2110 | 2113 | rVV2 | 582379 | 563788 | 10.20% | 0.815% |
| 91 | 14.527 | 2113 | 2115 | 2117 | rVV2 | 463839 | 447081 | 8.09% | 0.646% |
| 92 | 14.551 | 2117 | 2119 | 2123 | rVB2 | 624090 | 549564 | 9.95% | 0.794% |
| 93 | 15.080 | 2203 | 2209 | 2212 | rBV | 2336531 | 4311637 | 78.04% | 6.230% |
| 94 | 15.186 | 2223 | 2227 | 2230 | rVB | 725831 | 790574 | 14.31% | 1.142% |
| 95 | 15.386 | 2256 | 2261 | 2268 | rVB | 1344906 | 1997515 | 36.15% | 2.886% |
| 96 | 15.457 | 2268 | 2273 | 2278 | rVV | 2245757 | 3122333 | 56.51% | 4.512% |
| 97 | 15.516 | 2279 | 2283 | 2285 | rVV | 675060 | 841628 | 15.23% | 1.216% |
| 98 | 15.545 | 2285 | 2288 | 2295 | rVB2 | 769199 | 1117390 | 20.22% | 1.615% |
| 99 | 17.033 | 2535 | 2541 | 2550 | rVB2 | 791101 | 1813150 | 32.82% | 2.620% |
| 100 | 17.498 | 2613 | 2620 | 2630 | rVB | 590909 | 1326997 | 24.02% | 1.918% |

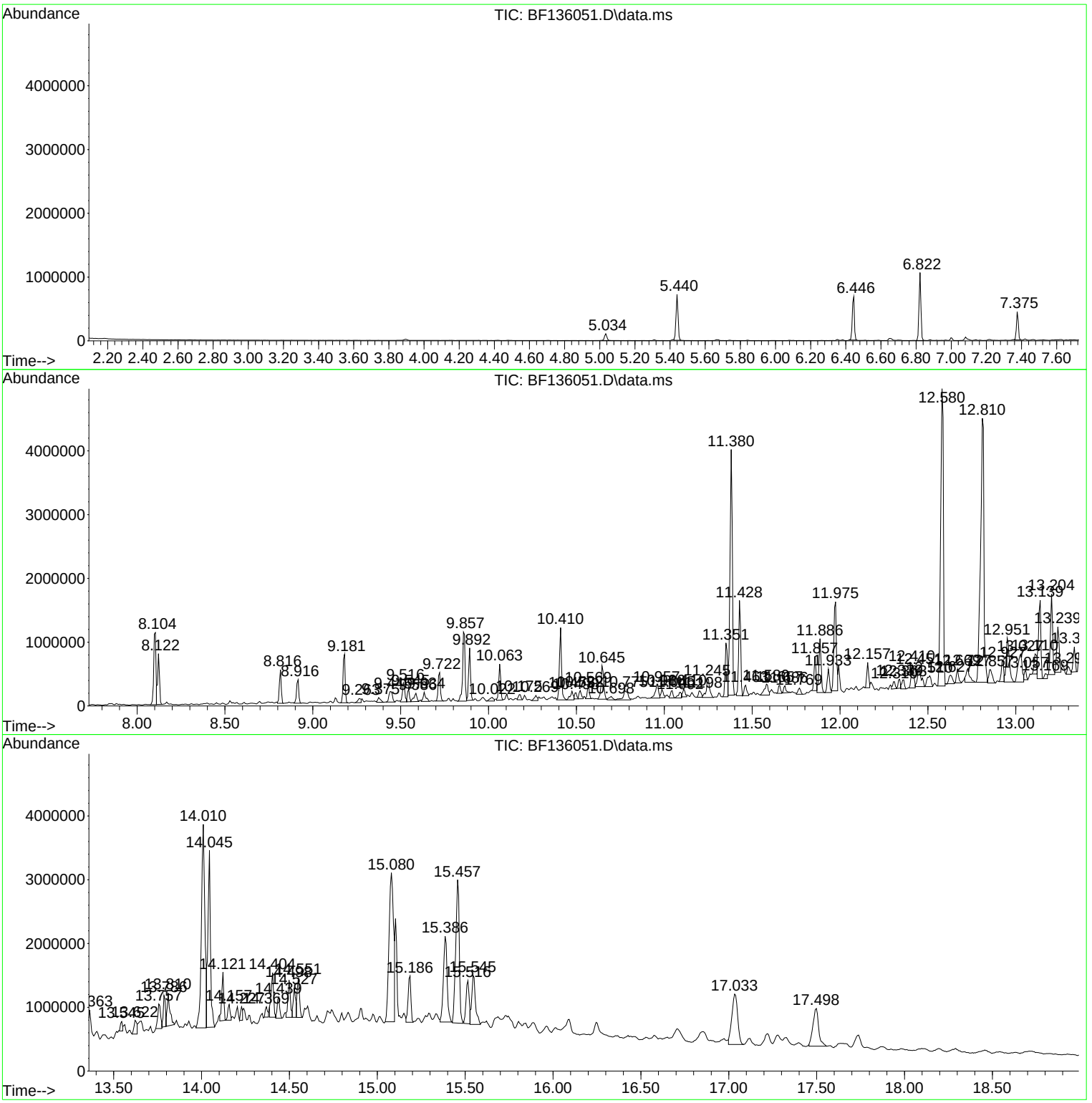
Sum of corrected areas: 69203728

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136051.D
Acq On : 31 Oct 2023 15:02
Operator : CG\JU
Sample : 04805-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
B-1(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.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\BF103123\
Data File : BF136051.D
Acq On : 31 Oct 2023 15:02
Operator : CG\JU
Sample : 04805-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
B-1(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

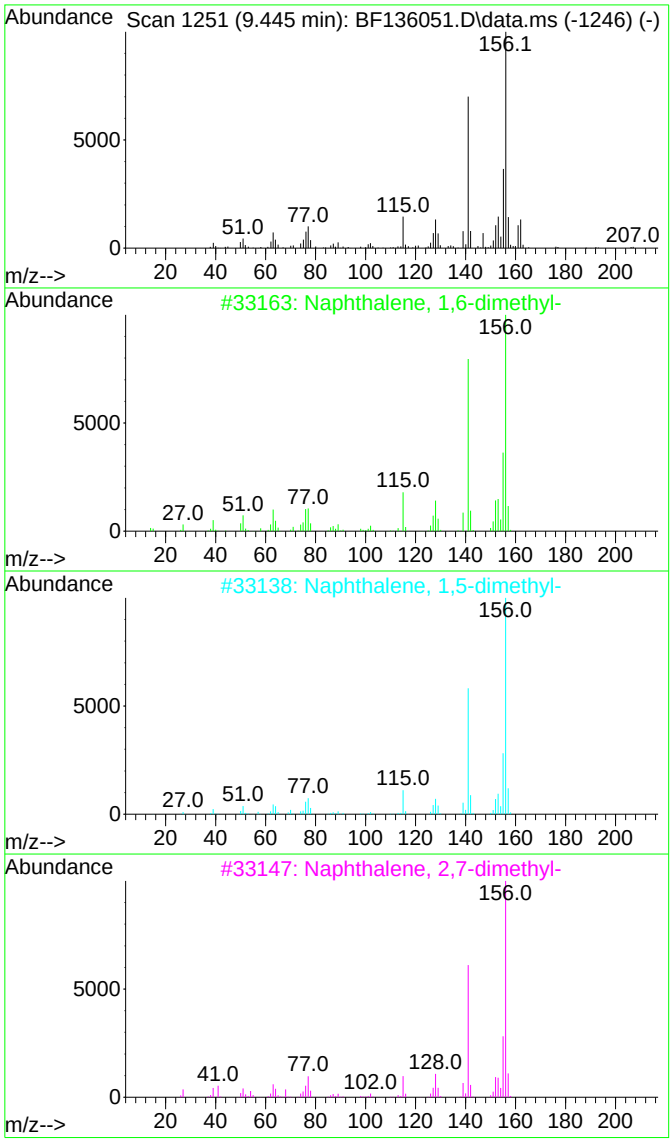
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

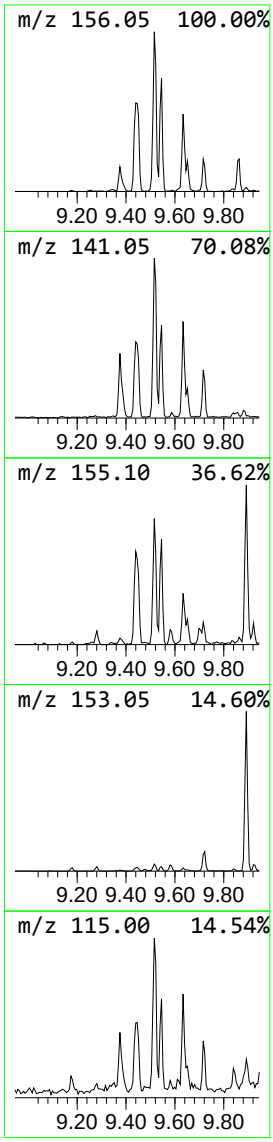
**********

Peak Number 1 Naphthalene, 1,6-dimethyl- Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.445 | 4.41 ng | 230073 | Acenaphthene-d10 | 9.857 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 97 |
| 2 | Naphthalene, 1,5-dimethyl- | 156 | C12H12 | 000571-61-9 | 97 |
| 3 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 97 |
| 4 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 96 |
| 5 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 96 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136051.D
Acq On : 31 Oct 2023 15:02
Operator : CG\JU
Sample : 04805-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
B-1(0-5)

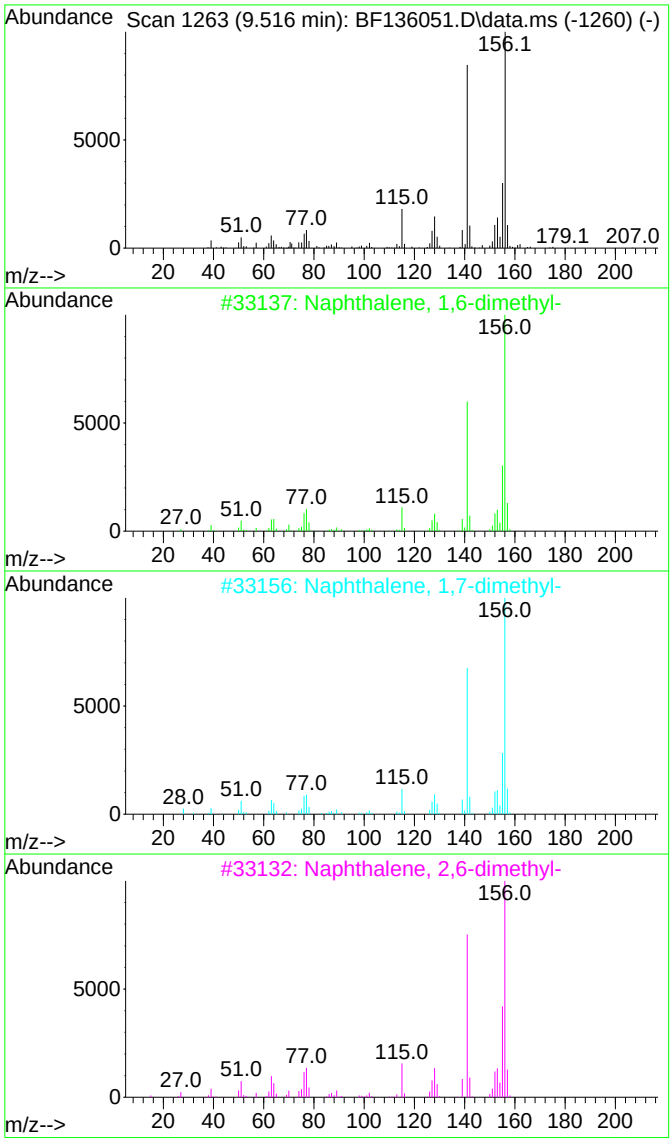
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

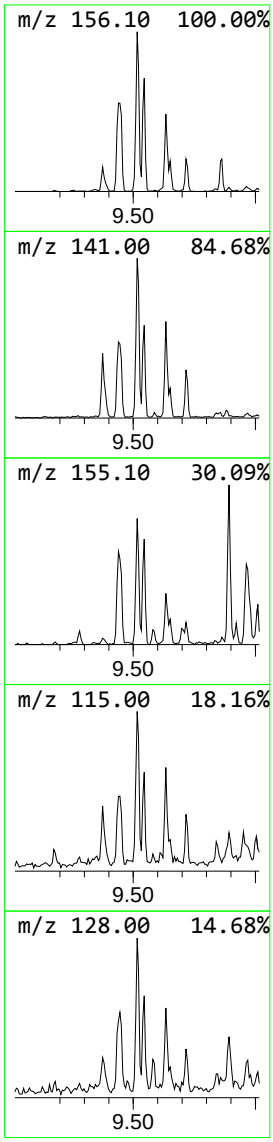
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Naphthalene, 1,7-dimethyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.516 | 5.48 ng | 285722 | Acenaphthene-d10 | 9.857 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 97 |
| 2 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 97 |
| 3 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 97 |
| 4 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 97 |
| 5 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 96 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136051.D
Acq On : 31 Oct 2023 15:02
Operator : CG\JU
Sample : 04805-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
B-1(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

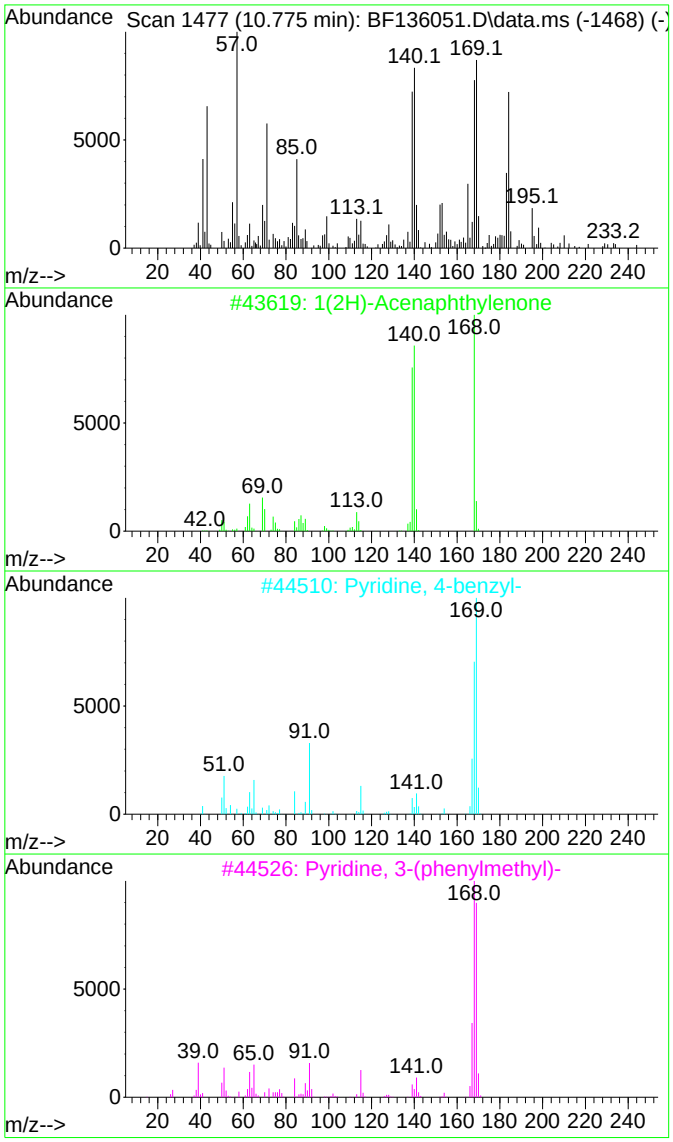
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

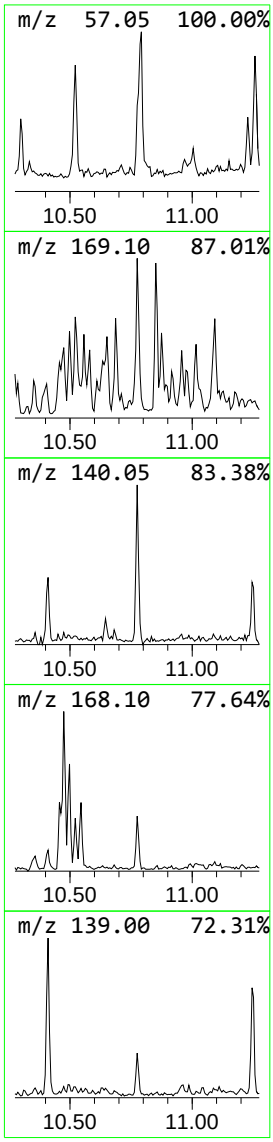
**********

Peak Number 3 unknown10.775 Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.775 | 7.05 ng | 279498 | Phenanthrene-d10 | 11.351 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1(2H)-Acenaphthylenone | 168 | C12H8O | 002235-15-6 | 46 |
| 2 | Pyridine, 4-benzyl- | 169 | C12H11N | 002116-65-6 | 42 |
| 3 | Pyridine, 3-(phenylmethyl)- | 169 | C12H11N | 000620-95-1 | 38 |
| 4 | 1,4,5,8-Tetramethylnaphthalene | 184 | C14H16 | 002717-39-7 | 38 |
| 5 | Benzene, (4,5,5-trimethyl-1,3-cy... | 184 | C14H16 | 033930-85-7 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136051.D
Acq On : 31 Oct 2023 15:02
Operator : CG\JU
Sample : 04805-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
B-1(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

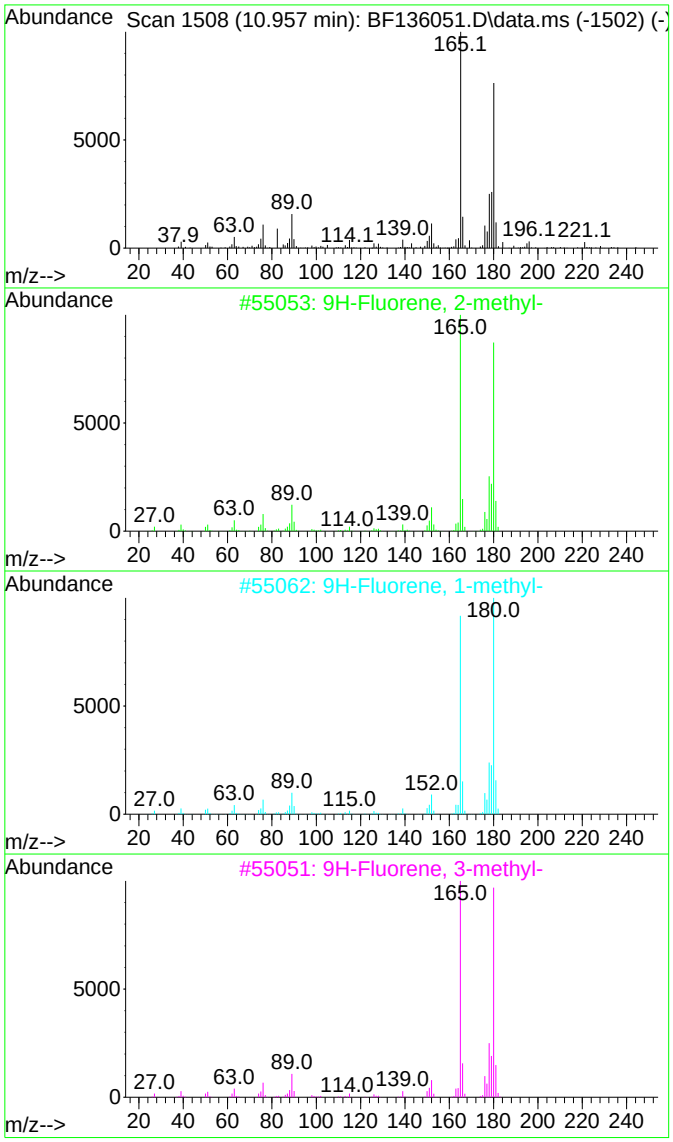
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

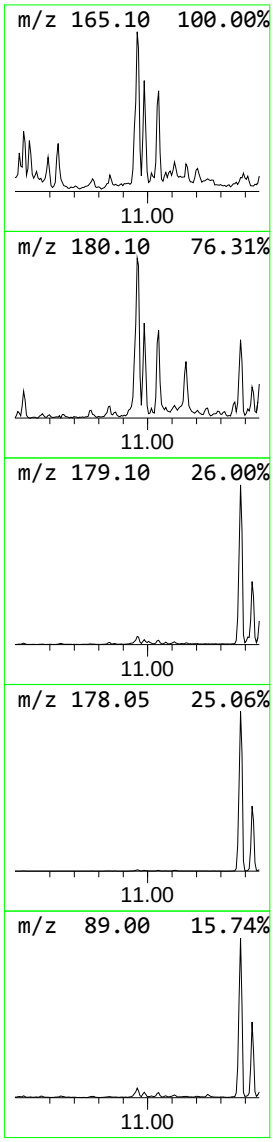
**********

Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.957 | 6.96 ng | 275671 | Phenanthrene-d10 | 11.351 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Fluorene, 2-methyl- | 180 | C14H12 | 001430-97-3 | 96 |
| 2 | 9H-Fluorene, 1-methyl- | 180 | C14H12 | 001730-37-6 | 96 |
| 3 | 9H-Fluorene, 3-methyl- | 180 | C14H12 | 002523-39-9 | 96 |
| 4 | 4a,9a-Methano-9H-fluorene | 180 | C14H12 | 019540-84-2 | 89 |
| 5 | 9H-Fluorene, 9-methyl- | 180 | C14H12 | 002523-37-7 | 81 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136051.D
Acq On : 31 Oct 2023 15:02
Operator : CG\JU
Sample : 04805-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
B-1(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

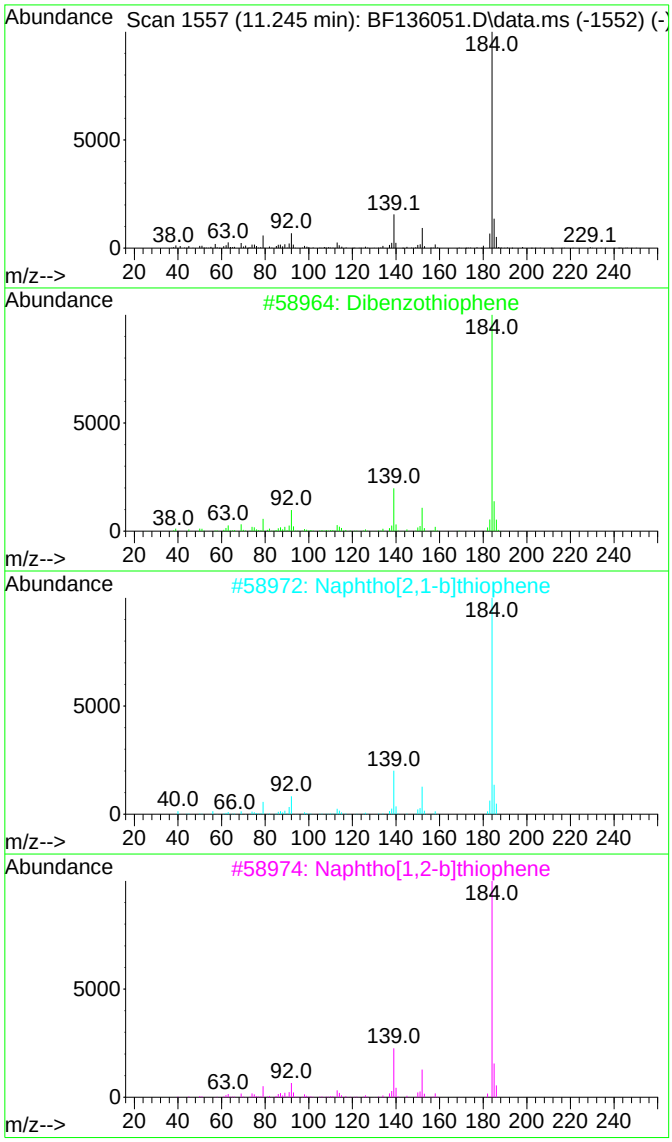
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

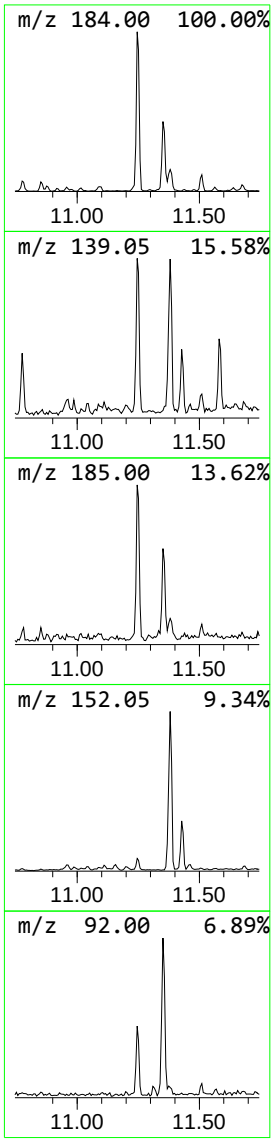
**********

Peak Number 5 Dibenzothiophene Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.245 | 10.01 ng | 396902 | Phenanthrene-d10 | 11.351 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 96 |
| 2 | Naphtho[2,1-b]thiophene | 184 | C12H8S | 000233-02-3 | 94 |
| 3 | Naphtho[1,2-b]thiophene | 184 | C12H8S | 000234-41-3 | 93 |
| 4 | Naphtho[2,3-b]thiophene | 184 | C12H8S | 000268-77-9 | 93 |
| 5 | Azuleno(2,1-b)thiophene | 184 | C12H8S | 000248-13-5 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136051.D
Acq On : 31 Oct 2023 15:02
Operator : CG\JU
Sample : 04805-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
B-1(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

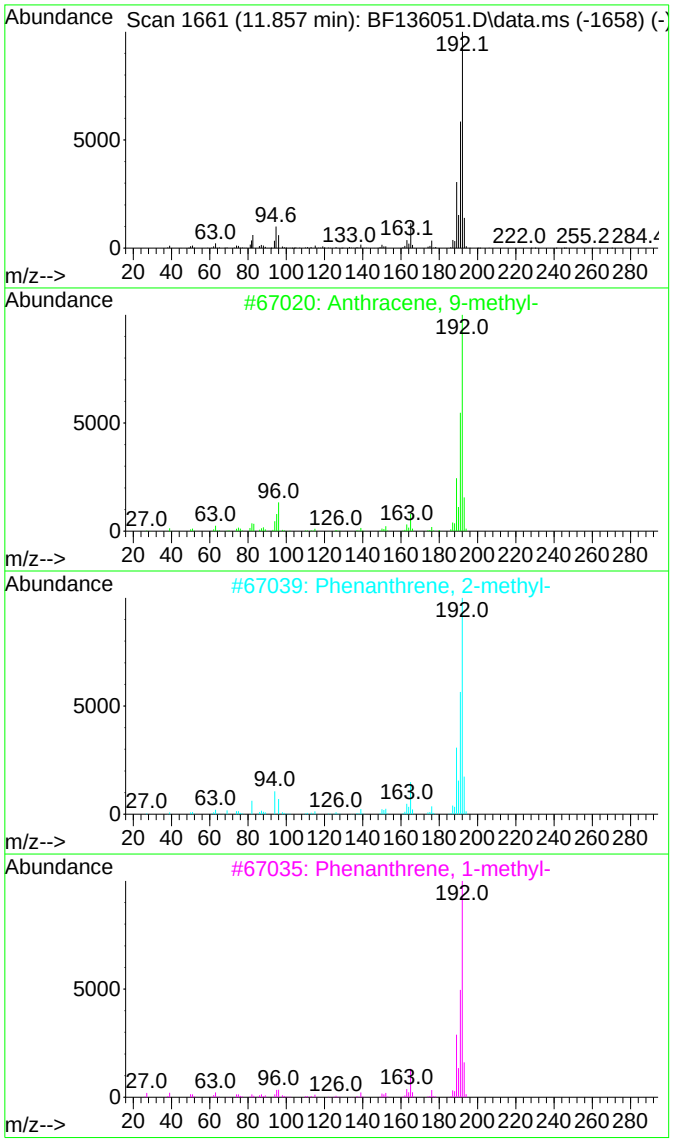
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

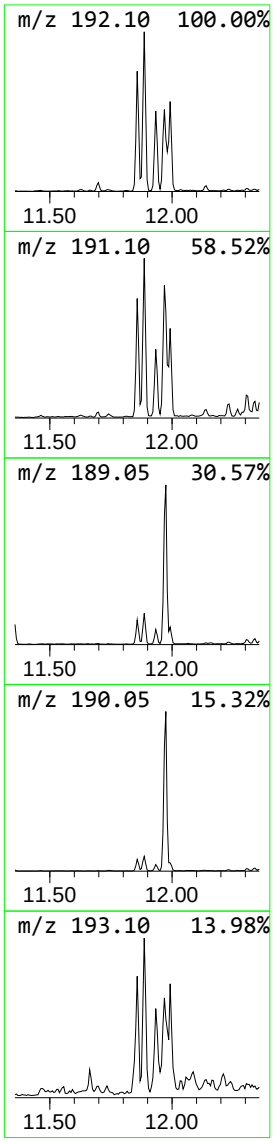
**********

Peak Number 6 Anthracene, 9-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.857 | 10.68 ng | 423278 | Phenanthrene-d10 | 11.351 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 94 |
| 2 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 93 |
| 3 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 91 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 89 |
| 5 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 87 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136051.D
Acq On : 31 Oct 2023 15:02
Operator : CG\JU
Sample : 04805-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
B-1(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

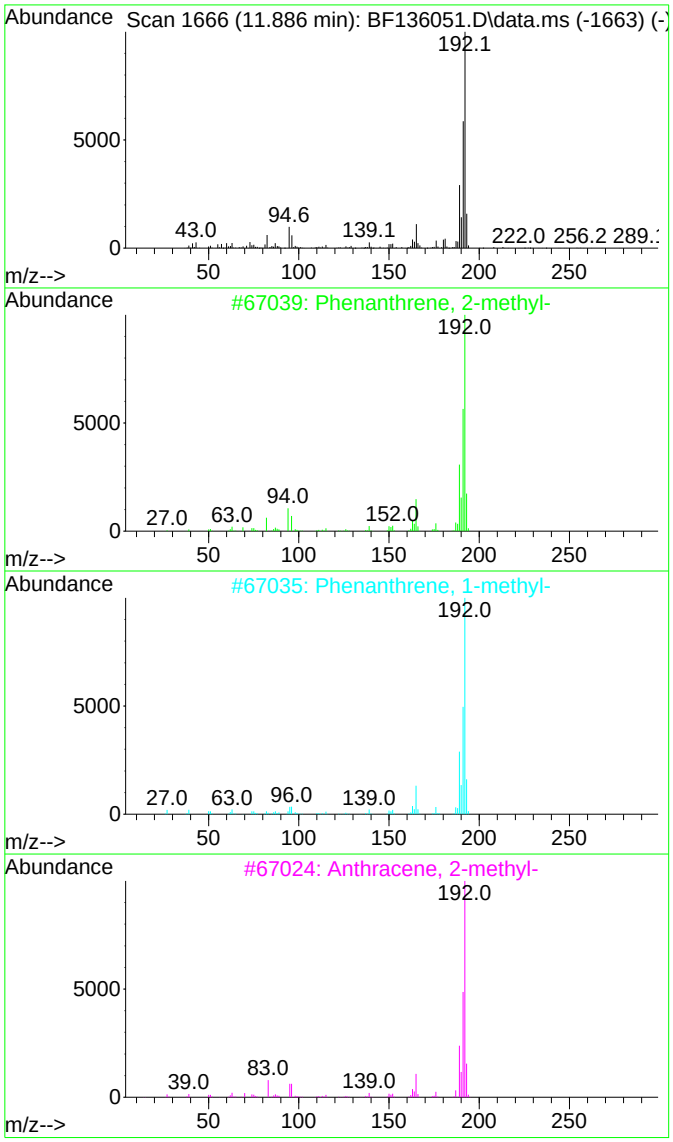
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

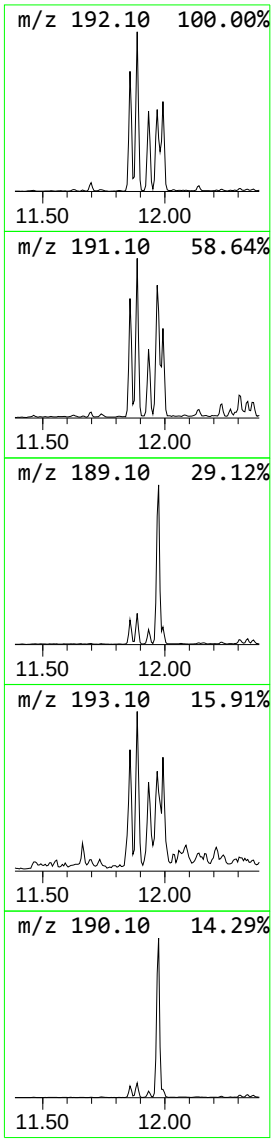
**********

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.886 | 17.76 ng | 704081 | Phenanthrene-d10 | 11.351 |

| 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 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 94 |
| 5 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 94 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136051.D
Acq On : 31 Oct 2023 15:02
Operator : CG\JU
Sample : 04805-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
B-1(0-5)

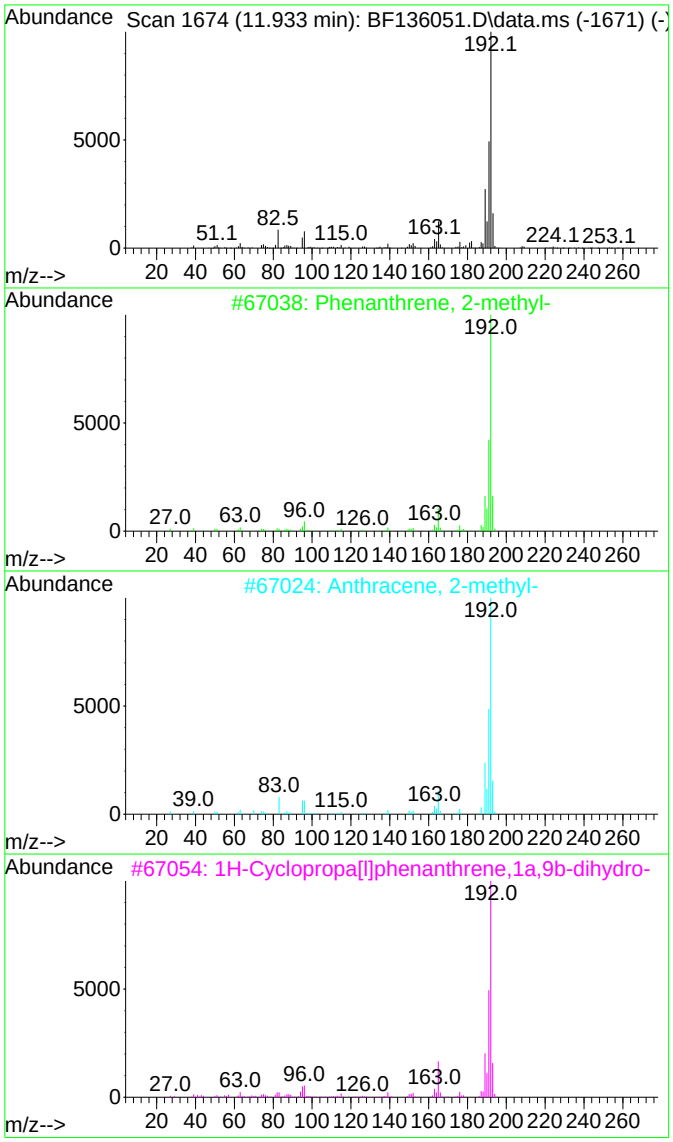
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

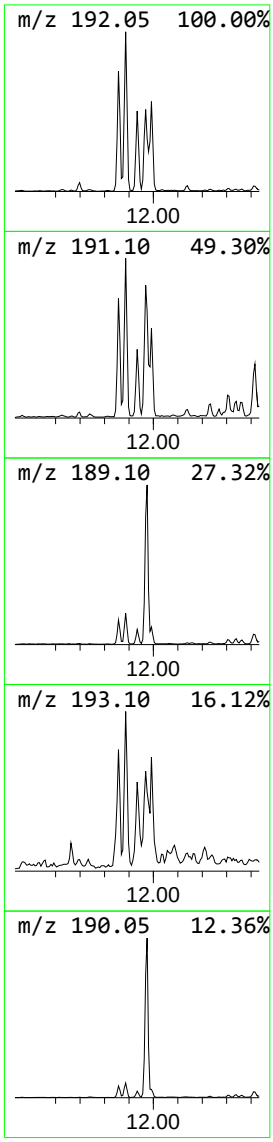
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 Anthracene, 2-methyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.933 | 8.35 ng | 330977 | Phenanthrene-d10 | 11.351 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 97 |
| 2 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 97 |
| 3 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 96 |
| 4 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 96 |
| 5 | Phenanthrene, 3-methyl- | 192 | C15H12 | 000832-71-3 | 95 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136051.D
Acq On : 31 Oct 2023 15:02
Operator : CG\JU
Sample : 04805-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
B-1(0-5)

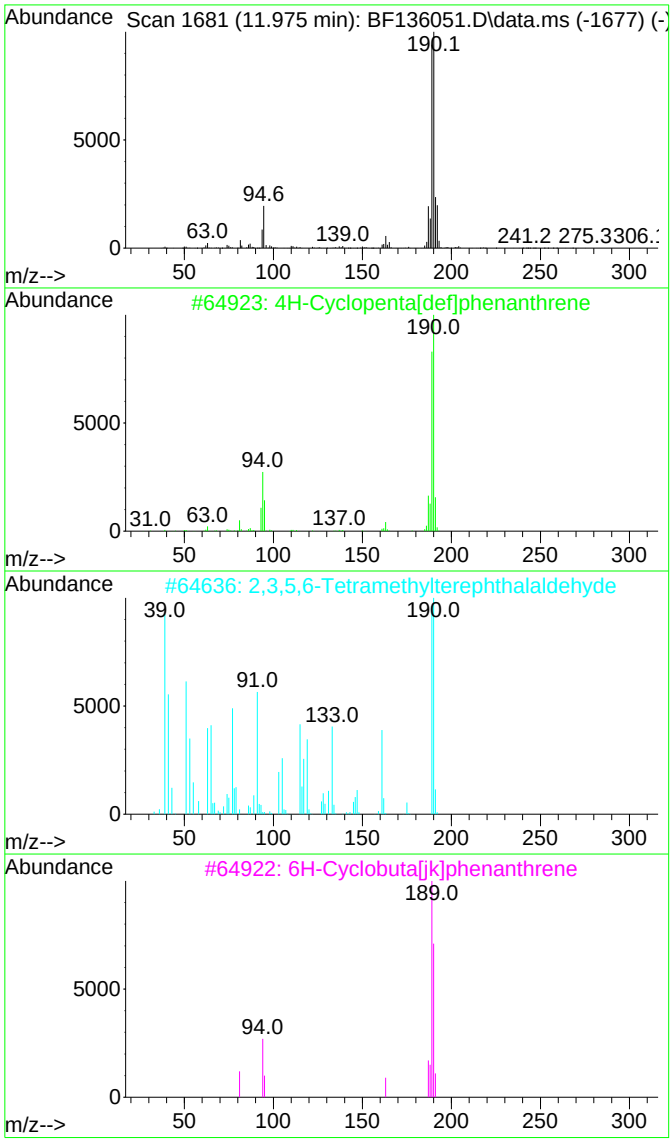
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

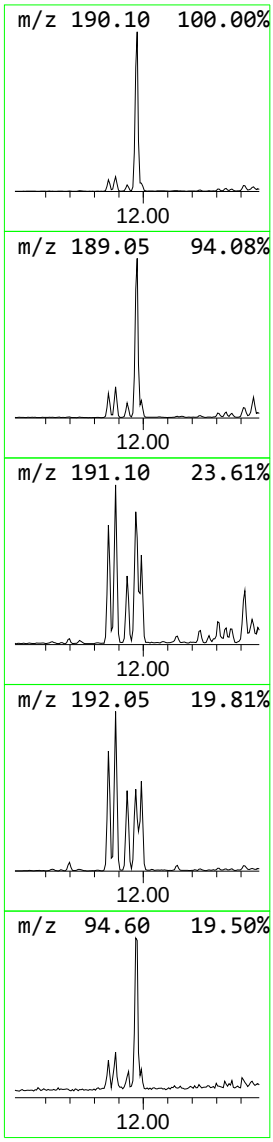
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.975 | 36.31 ng | 1439250 | Phenanthrene-d10 | 11.351 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 93 |
| 2 | 2,3,5,6-Tetramethylterephthalald... | 190 | C12H14O2 | 007072-01-7 | 50 |
| 3 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 50 |
| 4 | 2,2'-Bis(4,5-dimethylimidazole) | 190 | C10H14N4 | 069286-06-2 | 45 |
| 5 | Thiophene-3-carboxaldehyde, 5-ch... | 190 | C5H4BClO3S | 036155-87-0 | 40 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136051.D
Acq On : 31 Oct 2023 15:02
Operator : CG\JU
Sample : 04805-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
B-1(0-5)

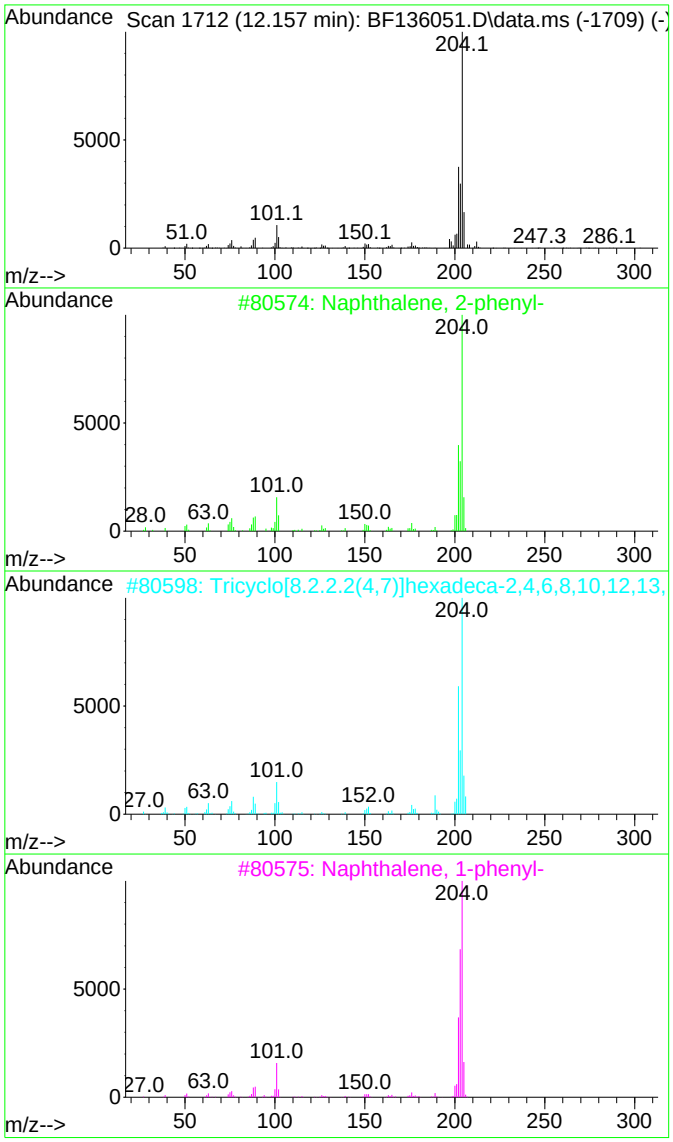
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

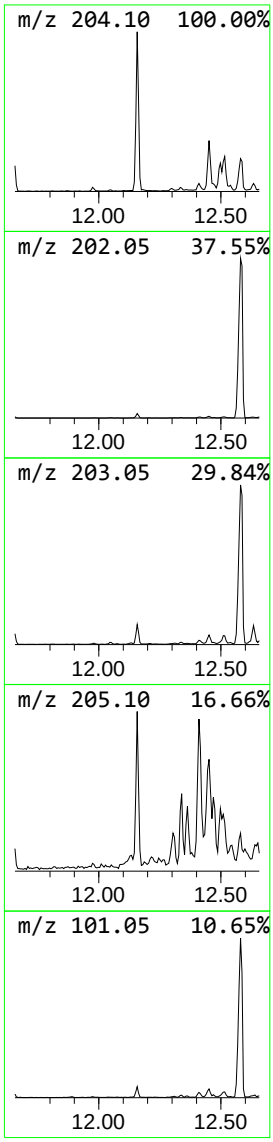
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.157 | 7.47 ng | 296209 | Phenanthrene-d10 | 11.351 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 93 |
| 2 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 64 |
| 3 | Naphthalene, 1-phenyl- | 204 | C16H12 | 000605-02-7 | 60 |
| 4 | [1,1'-Biphenyl]-4,4'-dicarbonitrile | 204 | C14H8N2 | 001591-30-6 | 50 |
| 5 | Acephenanthrylene, 4,5-dihydro- | 204 | C16H12 | 006232-48-0 | 49 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136051.D
Acq On : 31 Oct 2023 15:02
Operator : CG\JU
Sample : 04805-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
B-1(0-5)

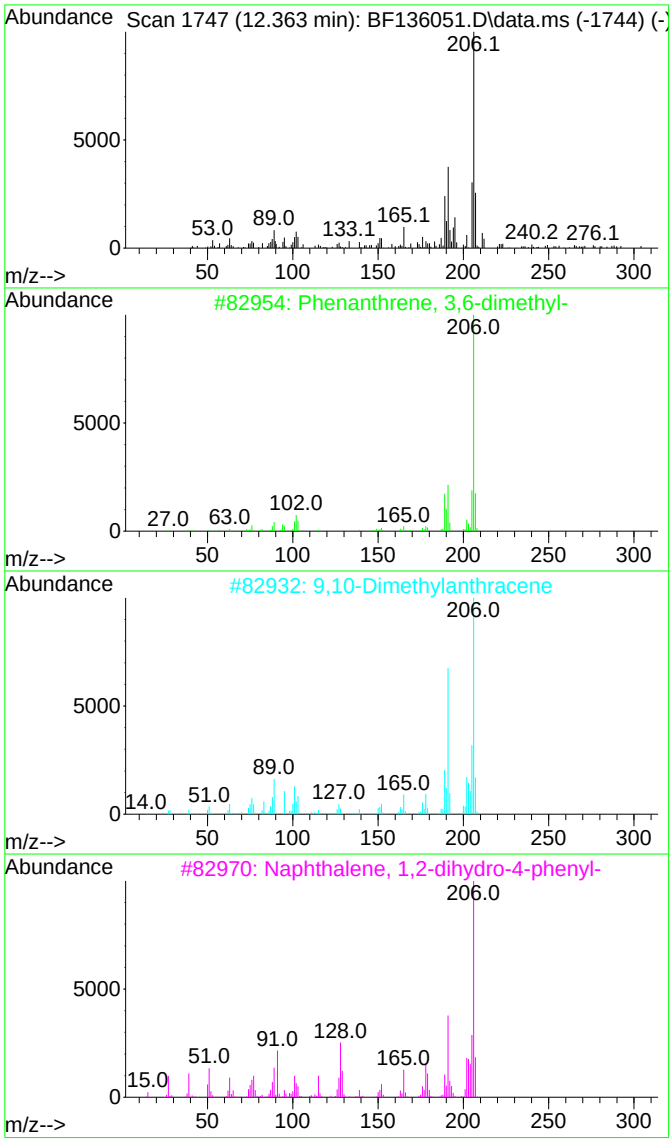
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

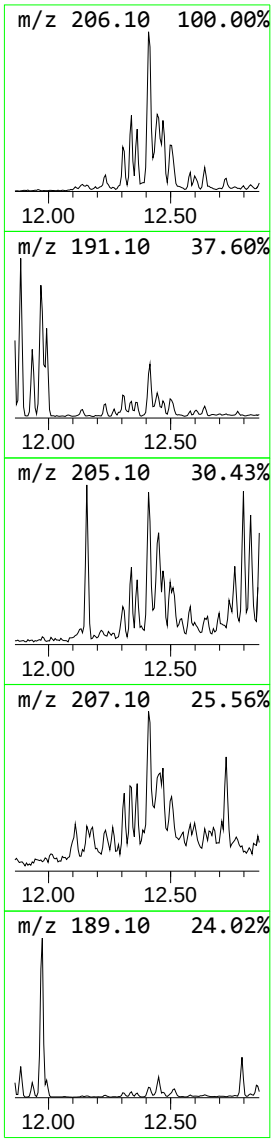
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 11 Phenanthrene, 3,6-dimethyl- Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.363 | 3.64 ng | 144264 | Phenanthrene-d10 | 11.351 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 90 |
| 2 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 76 |
| 3 | Naphthalene, 1,2-dihydro-4-phenyl- | 206 | C16H14 | 007469-40-1 | 72 |
| 4 | Phenanthrene, 2,7-dimethyl- | 206 | C16H14 | 001576-69-8 | 72 |
| 5 | Phenanthrene, 2,3-dimethyl- | 206 | C16H14 | 003674-65-5 | 70 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136051.D
Acq On : 31 Oct 2023 15:02
Operator : CG\JU
Sample : 04805-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
B-1(0-5)

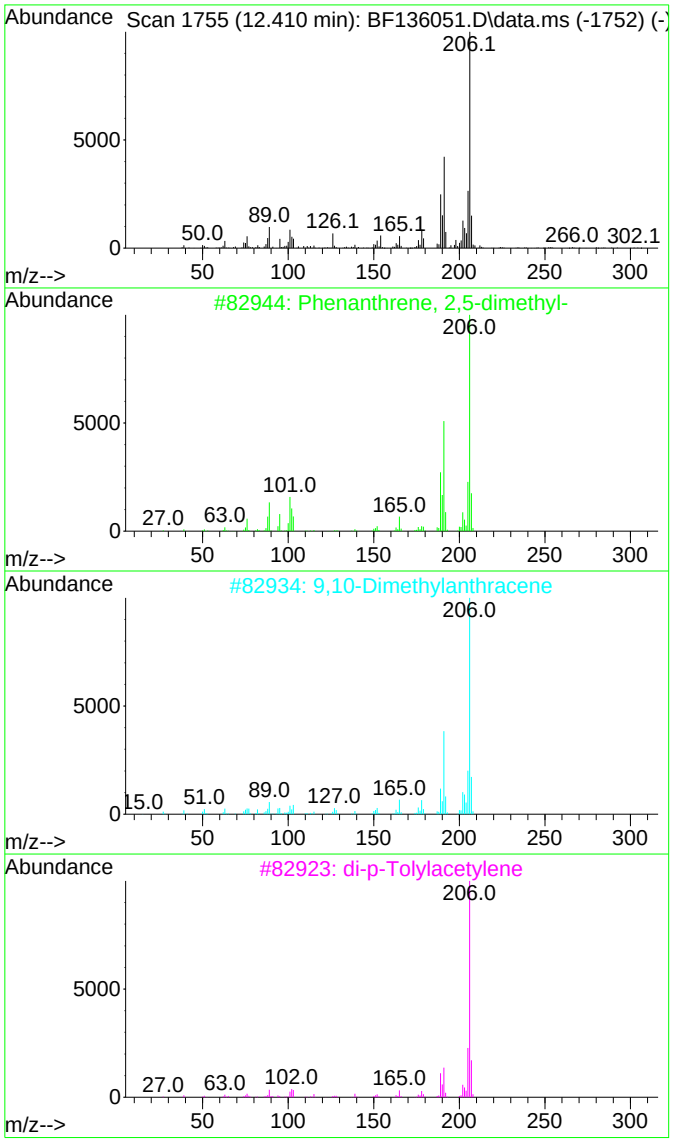
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

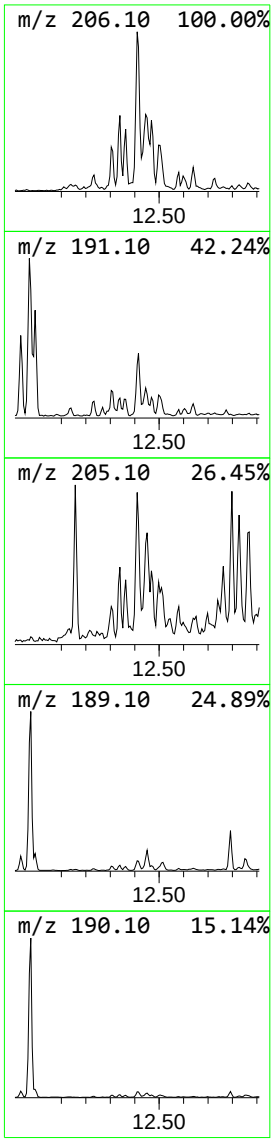
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.410 | 10.08 ng | 399607 | Phenanthrene-d10 | 11.351 |

| 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 | 95 |
| 3 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 94 |
| 4 | Anthracene, 1,4-dimethyl- | 206 | C16H14 | 000781-92-0 | 93 |
| 5 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 93 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136051.D
Acq On : 31 Oct 2023 15:02
Operator : CG\JU
Sample : 04805-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
B-1(0-5)

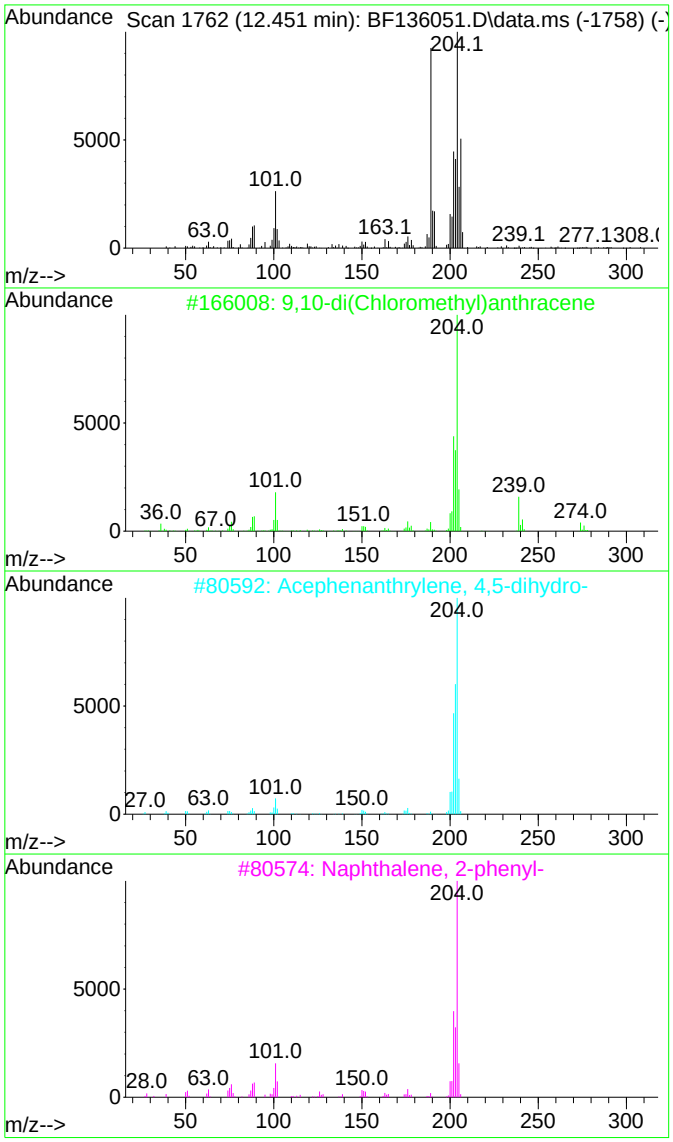
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

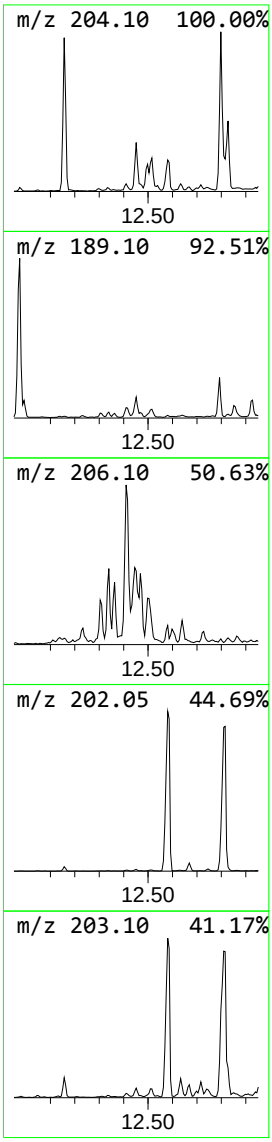
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 9,10-di(Chloromethyl)anthra... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.451 | 10.78 ng | 427222 | Phenanthrene-d10 | 11.351 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-di(Chloromethyl)anthracene | 274 | C16H12Cl2 | 010387-13-0 | 52 |
| 2 | Acephenanthrylene, 4,5-dihydro- | 204 | C16H12 | 006232-48-0 | 46 |
| 3 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 46 |
| 4 | 9,10-Bis(bromomethyl)anthracene | 362 | C16H12Br2 | 034373-96-1 | 43 |
| 5 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136051.D
Acq On : 31 Oct 2023 15:02
Operator : CG\JU
Sample : 04805-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
B-1(0-5)

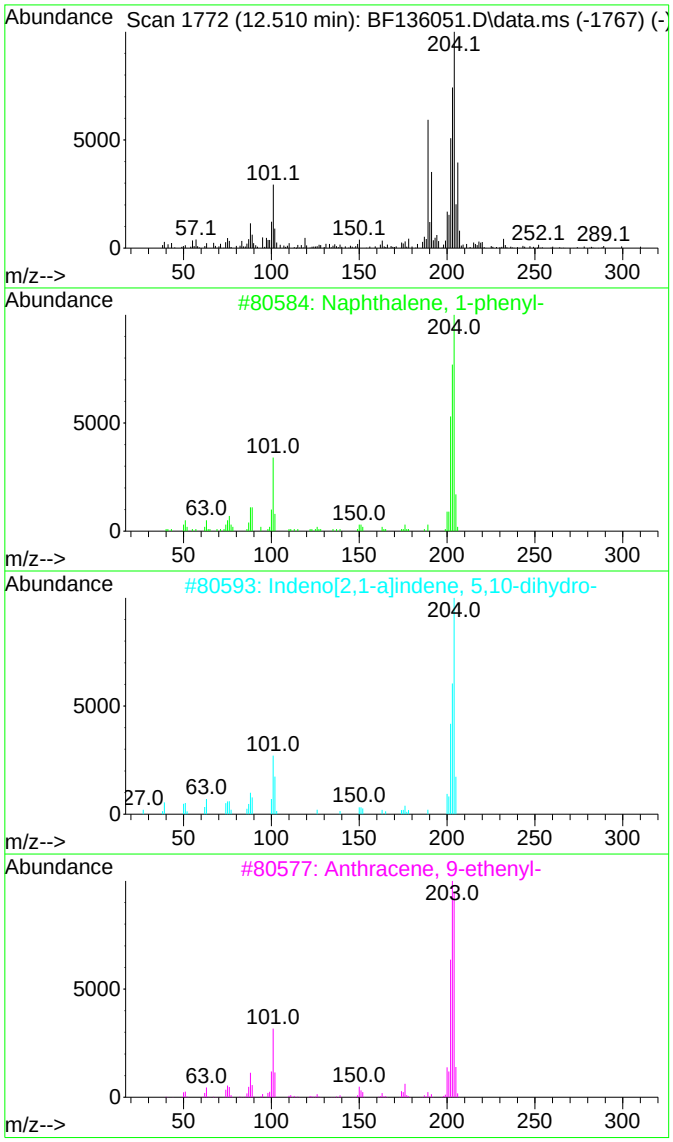
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

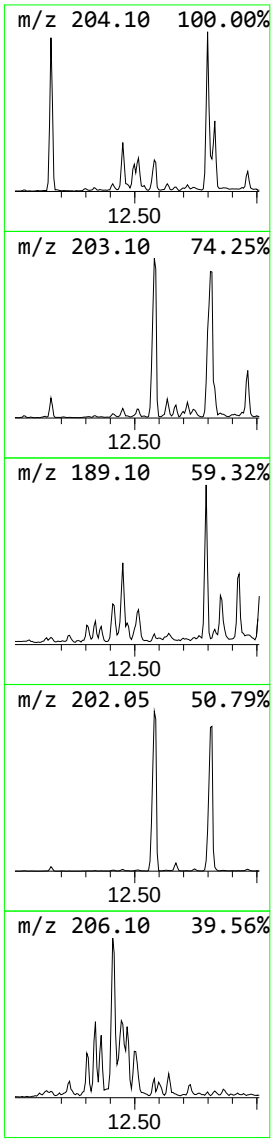
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 Naphthalene, 1-phenyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.510 | 6.76 ng | 267937 | Phenanthrene-d10 | 11.351 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1-phenyl- | 204 | C16H12 | 000605-02-7 | 78 |
| 2 | Indeno[2,1-a]indene, 5,10-dihydro- | 204 | C16H12 | 006543-29-9 | 60 |
| 3 | Anthracene, 9-ethenyl- | 204 | C16H12 | 002444-68-0 | 55 |
| 4 | Naphthalene, 1,8-di-1-propynyl- | 204 | C16H12 | 022360-77-6 | 53 |
| 5 | 1,4-Ethenoanthracene, 1,4-dihydro- | 204 | C16H12 | 027765-96-4 | 49 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136051.D
Acq On : 31 Oct 2023 15:02
Operator : CG\JU
Sample : 04805-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
B-1(0-5)

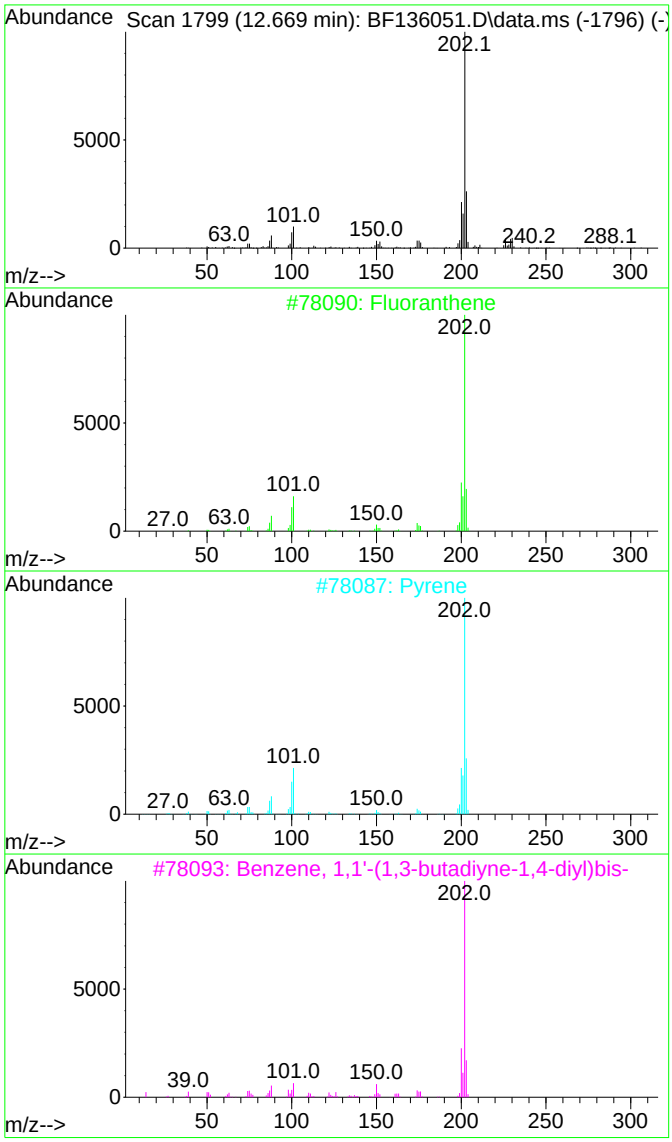
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

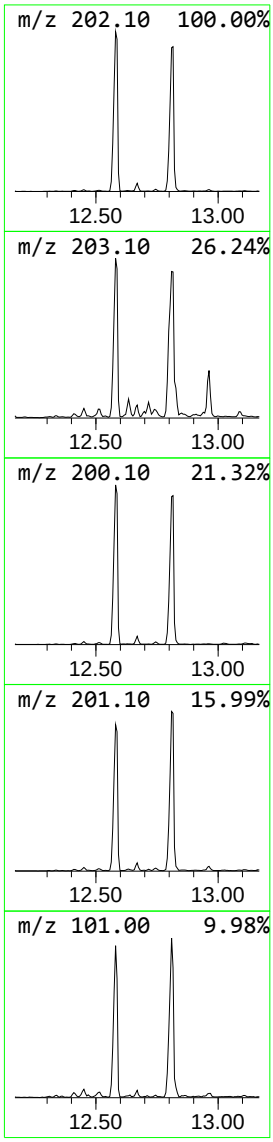
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.669 | 4.69 ng | 185730 | Phenanthrene-d10 | 11.351 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Fluoranthene | 202 | C16H10 | 000206-44-0 | 86 |
| 2 | Pyrene | 202 | C16H10 | 000129-00-0 | 76 |
| 3 | Benzene, 1,1'-(1,3-butadiyne-1,4... | 202 | C16H10 | 000886-66-8 | 70 |
| 4 | Methyl 3-indolepropionate, TMS d... | 275 | C15H21NO2Si | 056196-72-6 | 45 |
| 5 | Pyridazine-3,6(1H,2H)-dione, 1-(... | 202 | C11H10N2O2 | 034019-60-8 | 42 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136051.D
Acq On : 31 Oct 2023 15:02
Operator : CG\JU
Sample : 04805-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
B-1(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.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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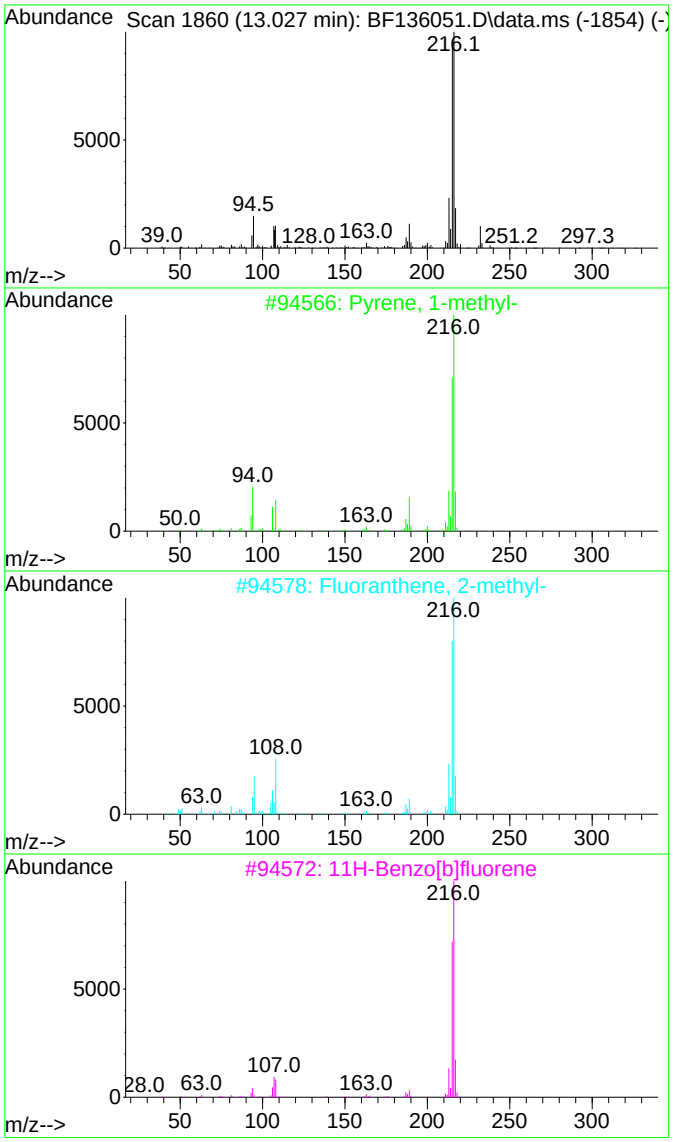
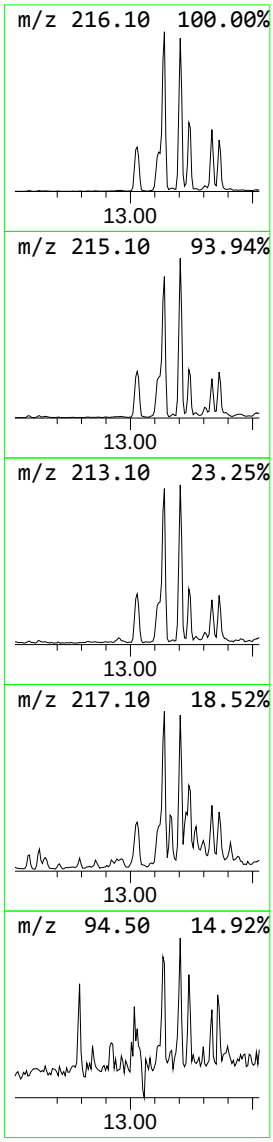
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.027 | 3.28 ng | 733933 | Chrysene-d12 | 14.016 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 98 |
| 2 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 93 |
| 3 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 87 |
| 4 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 86 |
| 5 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 81 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136051.D
Acq On : 31 Oct 2023 15:02
Operator : CG\JU
Sample : 04805-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
B-1(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

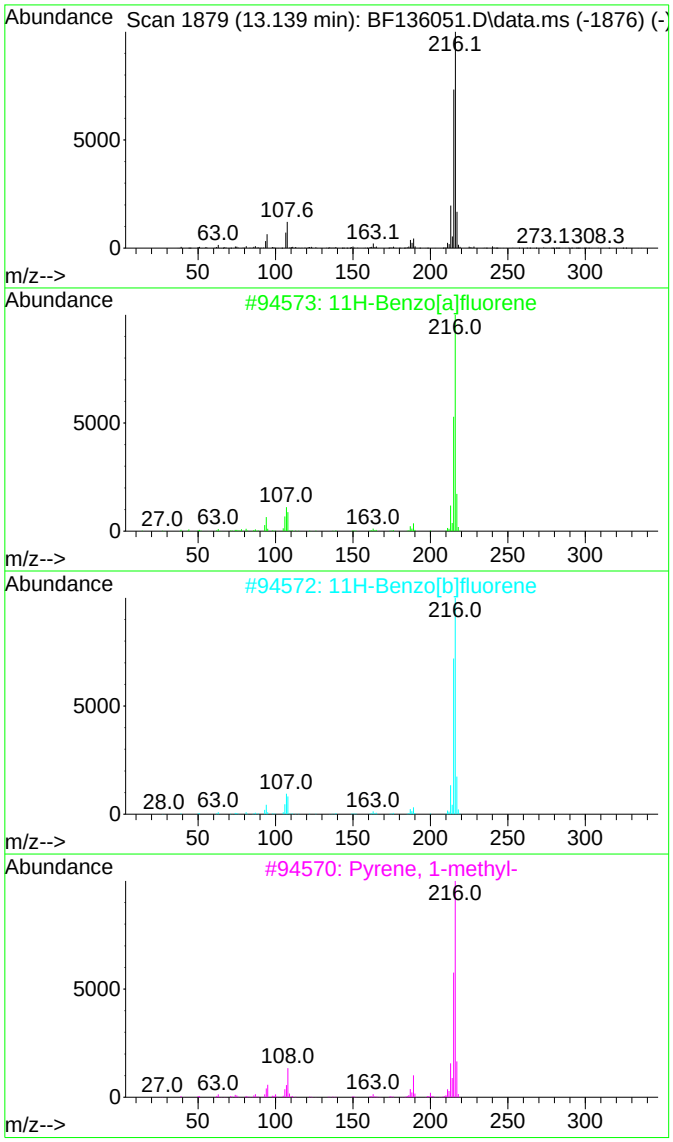
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

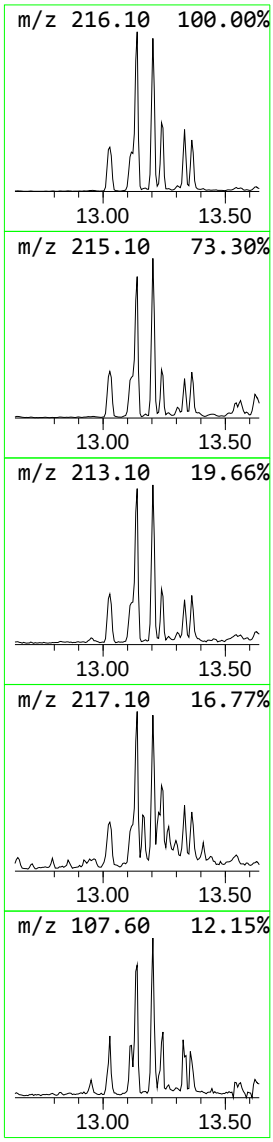
**********

Peak Number 17 11H-Benzo[a]fluorene Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.139 | 4.98 ng | 1113060 | Chrysene-d12 | 14.016 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 97 |
| 2 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 96 |
| 3 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 90 |
| 4 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 86 |
| 5 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 83 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136051.D
Acq On : 31 Oct 2023 15:02
Operator : CG\JU
Sample : 04805-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
B-1(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.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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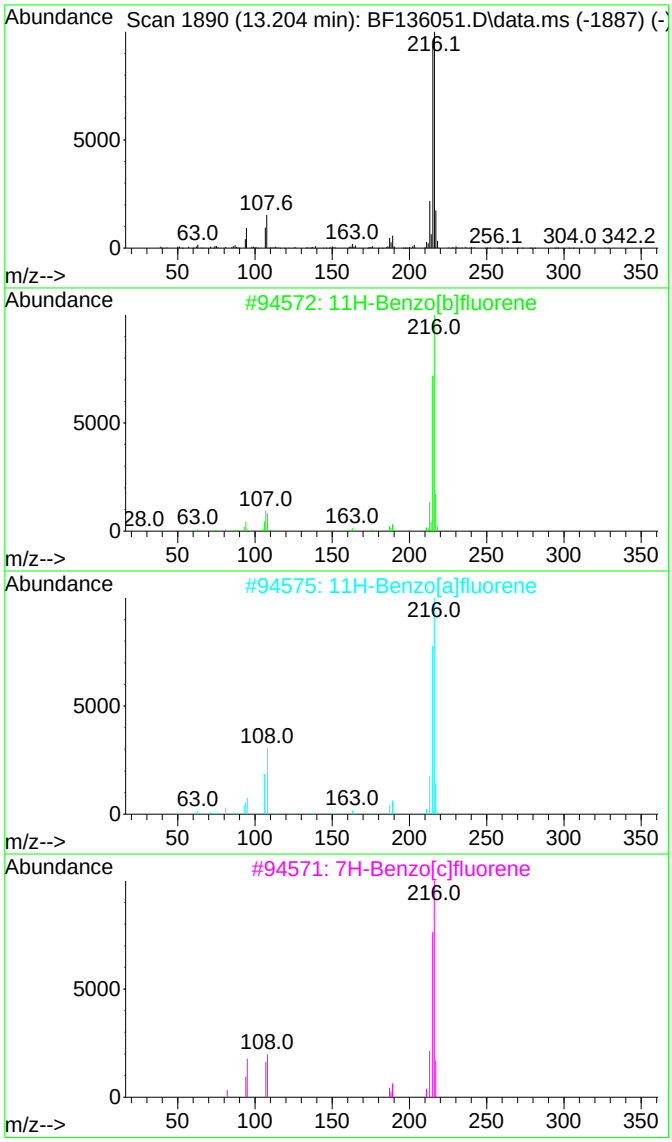
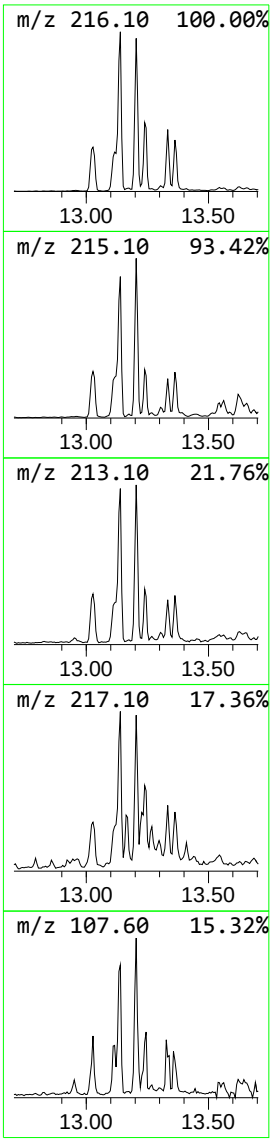
Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.204 | 4.69 ng | 1048110 | Chrysene-d12 | 14.016 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 93 |
| 2 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 87 |
| 3 | 7H-Benzo[c]fluorene | 216 | C17H12 | 000205-12-9 | 72 |
| 4 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 68 |
| 5 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136051.D
Acq On : 31 Oct 2023 15:02
Operator : CG\JU
Sample : 04805-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
B-1(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.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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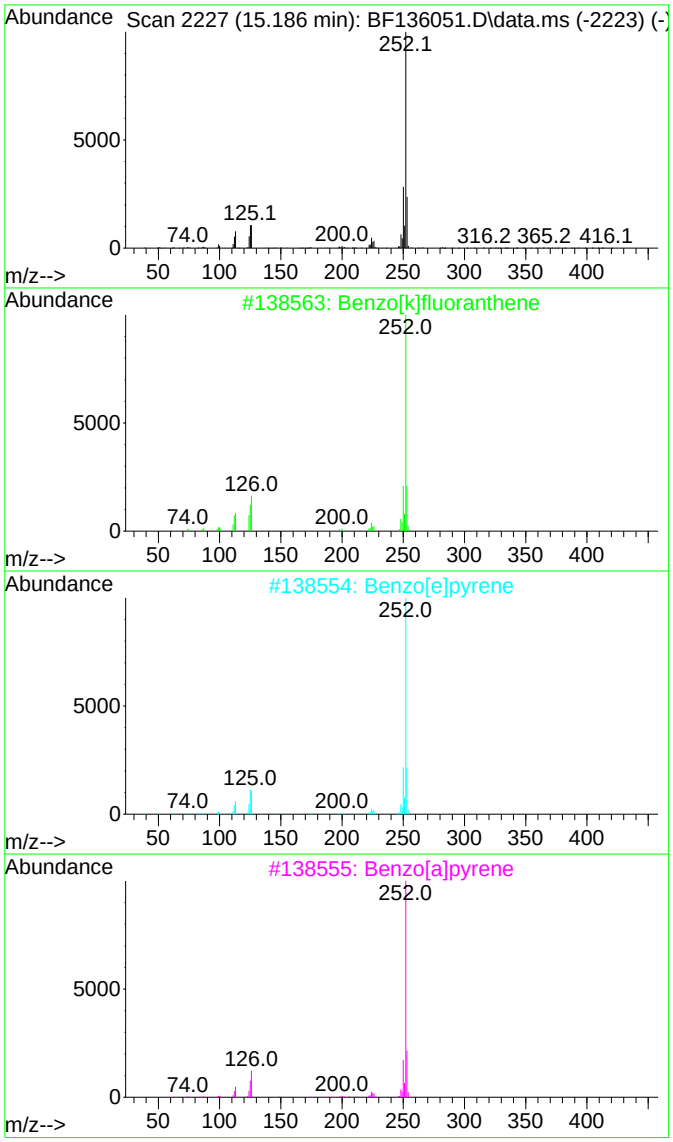
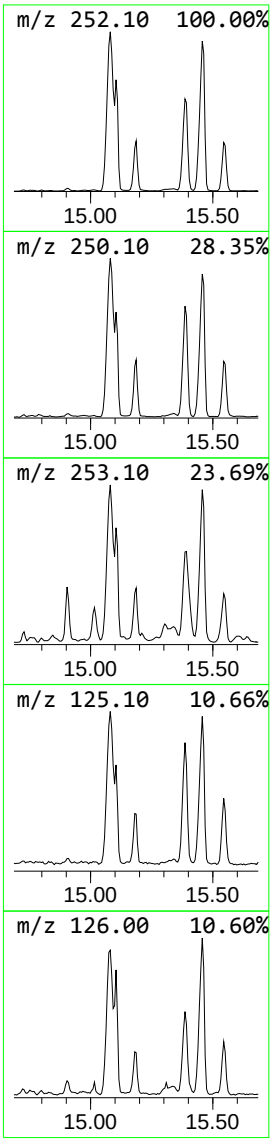
Peak Number 19 Benzo[e]pyrene Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.186 | 18.79 ng | 790574 | Perylene-d12 | 15.515 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 93 |
| 2 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 93 |
| 3 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 93 |
| 4 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 90 |
| 5 | Perylene | 252 | C20H12 | 000198-55-0 | 81 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136051.D
Acq On : 31 Oct 2023 15:02
Operator : CG\JU
Sample : 04805-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
B-1(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.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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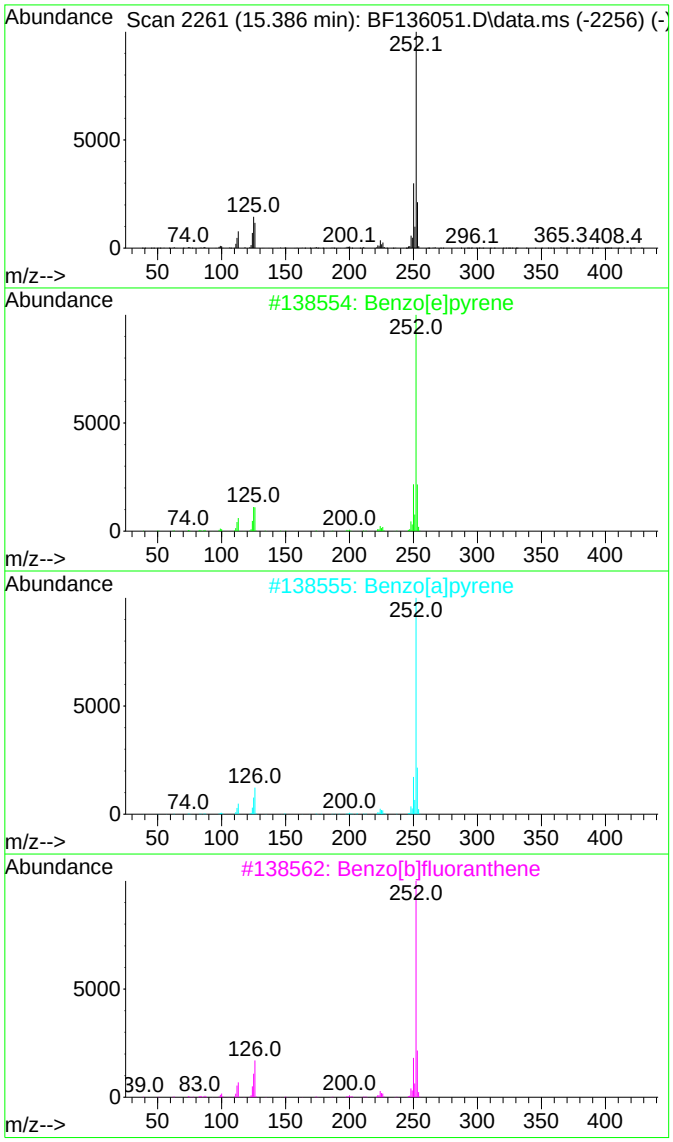
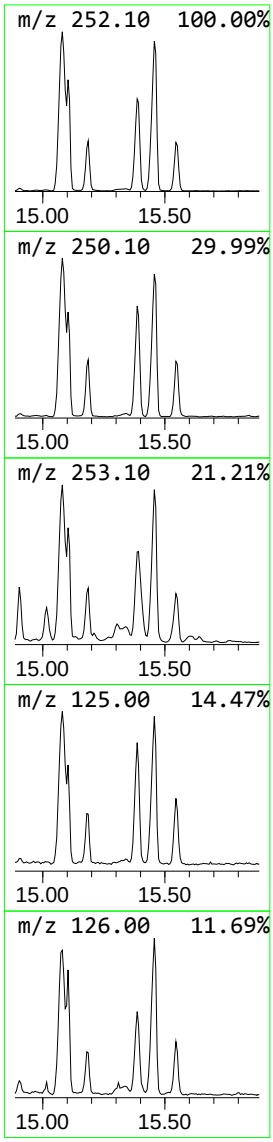
Peak Number 20 Perylene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.386 | 47.47 ng | 1997520 | Perylene-d12 | 15.515 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 94 |
| 2 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 93 |
| 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 | 90 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136051.D
Acq On : 31 Oct 2023 15:02
Operator : CG\JU
Sample : 04805-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
B-1(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.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, 1,... | 9.445 | 4.4 | ng | 230073 | 3 | 9.857 | 1042620 | 20.0 |
| Naphthalene, 1,... | 9.516 | 5.5 | ng | 285722 | 3 | 9.857 | 1042620 | 20.0 |
| unknown10.775 | 10.775 | 7.0 | ng | 279498 | 4 | 11.351 | 792715 | 20.0 |
| 9H-Fluorene, 2-... | 10.957 | 7.0 | ng | 275671 | 4 | 11.351 | 792715 | 20.0 |
| Dibenzothiophene | 11.245 | 10.0 | ng | 396902 | 4 | 11.351 | 792715 | 20.0 |
| Anthracene, 9-m... | 11.857 | 10.7 | ng | 423278 | 4 | 11.351 | 792715 | 20.0 |
| Phenanthrene, 2... | 11.886 | 17.8 | ng | 704081 | 4 | 11.351 | 792715 | 20.0 |
| Anthracene, 2-m... | 11.933 | 8.3 | ng | 330977 | 4 | 11.351 | 792715 | 20.0 |
| 4H-Cyclopenta[d... | 11.975 | 36.3 | ng | 1439250 | 4 | 11.351 | 792715 | 20.0 |
| Naphthalene, 2-... | 12.157 | 7.5 | ng | 296209 | 4 | 11.351 | 792715 | 20.0 |
| Phenanthrene, 3... | 12.363 | 3.6 | ng | 144264 | 4 | 11.351 | 792715 | 20.0 |
| Phenanthrene, 2... | 12.410 | 10.1 | ng | 399607 | 4 | 11.351 | 792715 | 20.0 |
| 9,10-di(Chlorom... | 12.451 | 10.8 | ng | 427222 | 4 | 11.351 | 792715 | 20.0 |
| Naphthalene, 1-... | 12.510 | 6.8 | ng | 267937 | 4 | 11.351 | 792715 | 20.0 |
| Benzene, 1,1'-(... | 12.669 | 4.7 | ng | 185730 | 4 | 11.351 | 792715 | 20.0 |
| Pyrene, 1-methyl- | 13.027 | 3.3 | ng | 733933 | 5 | 14.016 | 4471980 | 20.0 |
| 11H-Benzo[a]flu... | 13.139 | 5.0 | ng | 1113060 | 5 | 14.016 | 4471980 | 20.0 |
| 11H-Benzo[b]flu... | 13.204 | 4.7 | ng | 1048110 | 5 | 14.016 | 4471980 | 20.0 |
| Benzo[e]pyrene | 15.186 | 18.8 | ng | 790574 | 6 | 15.515 | 841628 | 20.0 |
| Perylene | 15.386 | 47.5 | ng | 1997520 | 6 | 15.515 | 841628 | 20.0 |