LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120423\
Data File : BF136383.D
Acq On : 04 Dec 2023 15:51
Operator : CG\JU
Sample : 05504-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 281

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-BF112723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF136383.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.440 | 565 | 570 | 573 | rBV | 2466468 | 2177857 | 66.31% | 4.550% |
| 2 | 6.439 | 734 | 740 | 743 | rBV | 2225574 | 2163854 | 65.89% | 4.521% |
| 3 | 6.798 | 798 | 801 | 805 | rBV | 743921 | 617597 | 18.80% | 1.290% |
| 4 | 7.363 | 892 | 897 | 900 | rBV | 1487269 | 1401613 | 42.68% | 2.928% |
| 5 | 8.075 | 1014 | 1018 | 1020 | rBV | 949003 | 838113 | 25.52% | 1.751% |
| 6 | 8.098 | 1020 | 1022 | 1025 | rVB | 434624 | 312159 | 9.50% | 0.652% |
| 7 | 8.792 | 1136 | 1140 | 1143 | rBV | 465869 | 390594 | 11.89% | 0.816% |
| 8 | 8.886 | 1152 | 1156 | 1160 | rVB | 253897 | 224725 | 6.84% | 0.469% |
| 9 | 9.157 | 1197 | 1202 | 1205 | rBV | 3075483 | 2499520 | 76.11% | 5.222% |
| 10 | 9.257 | 1211 | 1219 | 1221 | rBV | 85655 | 99678 | 3.04% | 0.208% |
| 11 | 9.422 | 1242 | 1247 | 1250 | rBV | 134774 | 177731 | 5.41% | 0.371% |
| 12 | 9.492 | 1255 | 1259 | 1261 | rBV | 196450 | 187890 | 5.72% | 0.393% |
| 13 | 9.516 | 1261 | 1263 | 1268 | rVB | 125874 | 101345 | 3.09% | 0.212% |
| 14 | 9.610 | 1274 | 1279 | 1284 | rVB | 88343 | 95365 | 2.90% | 0.199% |
| 15 | 9.692 | 1290 | 1293 | 1297 | rVB | 204949 | 165467 | 5.04% | 0.346% |
| 16 | 9.833 | 1311 | 1317 | 1320 | rBV | 1138030 | 965450 | 29.40% | 2.017% |
| 17 | 9.869 | 1320 | 1323 | 1326 | rVB | 556417 | 479211 | 14.59% | 1.001% |
| 18 | 10.039 | 1348 | 1352 | 1355 | rVV | 575167 | 440378 | 13.41% | 0.920% |
| 19 | 10.075 | 1355 | 1358 | 1361 | rVB | 71314 | 60921 | 1.85% | 0.127% |
| 20 | 10.151 | 1366 | 1371 | 1374 | rBV2 | 70804 | 74883 | 2.28% | 0.156% |
| 21 | 10.245 | 1381 | 1387 | 1388 | rBV2 | 50608 | 62535 | 1.90% | 0.131% |
| 22 | 10.386 | 1407 | 1411 | 1416 | rVB | 744510 | 692152 | 21.07% | 1.446% |
| 23 | 10.469 | 1423 | 1425 | 1427 | rVB | 84291 | 59526 | 1.81% | 0.124% |
| 24 | 10.539 | 1435 | 1437 | 1441 | rVB | 139702 | 111177 | 3.39% | 0.232% |
| 25 | 10.627 | 1446 | 1452 | 1456 | rBV | 1807660 | 1638563 | 49.89% | 3.423% |
| 26 | 10.751 | 1469 | 1473 | 1479 | rVB3 | 76553 | 83297 | 2.54% | 0.174% |
| 27 | 10.933 | 1498 | 1504 | 1507 | rBV2 | 143478 | 170660 | 5.20% | 0.357% |
| 28 | 11.063 | 1521 | 1526 | 1528 | rBV2 | 62759 | 74323 | 2.26% | 0.155% |
| 29 | 11.127 | 1535 | 1537 | 1542 | rVB3 | 88473 | 87150 | 2.65% | 0.182% |
| 30 | 11.174 | 1542 | 1545 | 1548 | rVV | 68537 | 78887 | 2.40% | 0.165% |
| 31 | 11.222 | 1550 | 1553 | 1558 | rVB | 273601 | 233289 | 7.10% | 0.487% |
| 32 | 11.327 | 1567 | 1571 | 1573 | rBV | 962478 | 903896 | 27.52% | 1.888% |
| 33 | 11.357 | 1573 | 1576 | 1579 | rVV | 3378384 | 2902845 | 88.39% | 6.065% |
| 34 | 11.404 | 1579 | 1584 | 1587 | rVV | 670064 | 595672 | 18.14% | 1.244% |
| 35 | 11.433 | 1587 | 1589 | 1593 | rVV2 | 79380 | 75456 | 2.30% | 0.158% |
| 36 | 11.557 | 1604 | 1610 | 1613 | rBV | 257242 | 234099 | 7.13% | 0.489% |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120423\
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Sample : 05504-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
281

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-BF112723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 11.627 | 1619 | 1622 | 1624 | rBV | 88576 | 78182 | 2.38% | 0.163% |
| 38 | 11.657 | 1624 | 1627 | 1632 | rVB2 | 118910 | 111470 | 3.39% | 0.233% |
| 39 | 11.739 | 1639 | 1641 | 1646 | rVB | 75268 | 84290 | 2.57% | 0.176% |
| 40 | 11.827 | 1653 | 1656 | 1659 | rBV | 408738 | 401251 | 12.22% | 0.838% |
| 41 | 11.863 | 1659 | 1662 | 1666 | rVV2 | 720991 | 719704 | 21.91% | 1.504% |
| 42 | 11.904 | 1666 | 1669 | 1672 | rVV | 156716 | 140572 | 4.28% | 0.294% |
| 43 | 11.939 | 1672 | 1675 | 1678 | rVV2 | 588494 | 655972 | 19.97% | 1.370% |
| 44 | 11.963 | 1678 | 1679 | 1685 | rVB | 306741 | 213366 | 6.50% | 0.446% |
| 45 | 12.039 | 1689 | 1692 | 1694 | rVV3 | 56435 | 61753 | 1.88% | 0.129% |
| 46 | 12.063 | 1694 | 1696 | 1699 | rVB | 70406 | 59038 | 1.80% | 0.123% |
| 47 | 12.127 | 1704 | 1707 | 1709 | rVV | 312746 | 266600 | 8.12% | 0.557% |
| 48 | 12.151 | 1709 | 1711 | 1715 | rVB2 | 289009 | 236095 | 7.19% | 0.493% |
| 49 | 12.274 | 1727 | 1732 | 1735 | rBV2 | 109392 | 144705 | 4.41% | 0.302% |
| 50 | 12.310 | 1735 | 1738 | 1740 | rVV | 148178 | 136236 | 4.15% | 0.285% |
| 51 | 12.333 | 1740 | 1742 | 1745 | rVB | 113136 | 83023 | 2.53% | 0.173% |
| 52 | 12.386 | 1745 | 1751 | 1753 | rBV | 308303 | 356704 | 10.86% | 0.745% |
| 53 | 12.416 | 1753 | 1756 | 1759 | rVV2 | 160303 | 216338 | 6.59% | 0.452% |
| 54 | 12.439 | 1759 | 1760 | 1762 | rVV | 106923 | 66582 | 2.03% | 0.139% |
| 55 | 12.468 | 1762 | 1765 | 1770 | rVV | 236848 | 238468 | 7.26% | 0.498% |
| 56 | 12.551 | 1774 | 1779 | 1782 | rVV | 3703716 | 3272628 | 99.65% | 6.837% |
| 57 | 12.592 | 1782 | 1786 | 1792 | rVV4 | 161000 | 241431 | 7.35% | 0.504% |
| 58 | 12.639 | 1792 | 1794 | 1798 | rVV2 | 134081 | 175400 | 5.34% | 0.366% |
| 59 | 12.680 | 1798 | 1801 | 1802 | rVV | 99530 | 110433 | 3.36% | 0.231% |
| 60 | 12.698 | 1802 | 1804 | 1807 | rVV | 116453 | 117045 | 3.56% | 0.245% |
| 61 | 12.780 | 1809 | 1818 | 1821 | rVV | 2873484 | 3284262 | 100.00% | 6.861% |
| 62 | 12.827 | 1823 | 1826 | 1830 | rVB2 | 176031 | 220935 | 6.73% | 0.462% |
| 63 | 12.892 | 1834 | 1837 | 1839 | rBV | 177449 | 169858 | 5.17% | 0.355% |
| 64 | 12.921 | 1839 | 1842 | 1849 | rVB | 2138499 | 2046006 | 62.30% | 4.274% |
| 65 | 12.998 | 1849 | 1855 | 1858 | rBV3 | 247626 | 382675 | 11.65% | 0.799% |
| 66 | 13.080 | 1866 | 1869 | 1871 | rVV3 | 187594 | 242588 | 7.39% | 0.507% |
| 67 | 13.104 | 1871 | 1873 | 1876 | rVB | 398256 | 334434 | 10.18% | 0.699% |
| 68 | 13.168 | 1876 | 1884 | 1887 | rBV | 299050 | 378800 | 11.53% | 0.791% |
| 69 | 13.210 | 1887 | 1891 | 1894 | rVV2 | 331183 | 340152 | 10.36% | 0.711% |
| 70 | 13.304 | 1904 | 1907 | 1909 | rVV | 181845 | 174358 | 5.31% | 0.364% |
| 71 | 13.333 | 1909 | 1912 | 1916 | rVB | 187357 | 170593 | 5.19% | 0.356% |
| 72 | 13.457 | 1930 | 1933 | 1936 | rBV | 201190 | 192173 | 5.85% | 0.401% |
| 73 | 13.510 | 1939 | 1942 | 1944 | rVV2 | 60536 | 60708 | 1.85% | 0.127% |
| 74 | 13.615 | 1957 | 1960 | 1964 | rVB | 308900 | 304299 | 9.27% | 0.636% |
| 75 | 13.727 | 1974 | 1979 | 1982 | rBV2 | 279300 | 368516 | 11.22% | 0.770% |
| 76 | 13.757 | 1982 | 1984 | 1986 | rVV | 221735 | 180854 | 5.51% | 0.378% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120423\
Data File : BF136383.D
Acq On : 04 Dec 2023 15:51
Operator : CG\JU
Sample : 05504-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 281

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-BF112723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 13.774 | 1986 | 1987 | 1992 | rVV2 | 173375 | 209379 | 6.38% | 0.437% |
| 78 | 13.821 | 1992 | 1995 | 1999 | rVV2 | 228543 | 261340 | 7.96% | 0.546% |
| 79 | 13.868 | 1999 | 2003 | 2006 | rVB2 | 70777 | 119549 | 3.64% | 0.250% |
| 80 | 13.974 | 2014 | 2021 | 2024 | rBV2 | 1368806 | 2020342 | 61.52% | 4.221% |
| 81 | 14.010 | 2024 | 2027 | 2032 | rVB | 1183388 | 1168293 | 35.57% | 2.441% |
| 82 | 14.086 | 2038 | 2040 | 2042 | rVB | 88241 | 63544 | 1.93% | 0.133% |
| 83 | 14.121 | 2042 | 2046 | 2048 | rBV3 | 95067 | 124235 | 3.78% | 0.260% |
| 84 | 14.210 | 2056 | 2061 | 2063 | rBV2 | 74490 | 109101 | 3.32% | 0.228% |
| 85 | 14.239 | 2063 | 2066 | 2068 | rVB | 72505 | 65212 | 1.99% | 0.136% |
| 86 | 14.333 | 2080 | 2082 | 2084 | rBV2 | 61960 | 61600 | 1.88% | 0.129% |
| 87 | 14.368 | 2084 | 2088 | 2091 | rVB | 272459 | 260014 | 7.92% | 0.543% |
| 88 | 14.404 | 2091 | 2094 | 2097 | rVB2 | 224862 | 220595 | 6.72% | 0.461% |
| 89 | 14.462 | 2101 | 2104 | 2106 | rVB2 | 179246 | 148695 | 4.53% | 0.311% |
| 90 | 14.492 | 2106 | 2109 | 2111 | rBV2 | 117405 | 116928 | 3.56% | 0.244% |
| 91 | 14.774 | 2152 | 2157 | 2165 | rVB5 | 114855 | 219228 | 6.68% | 0.458% |
| 92 | 14.851 | 2167 | 2170 | 2176 | rVV4 | 75007 | 136576 | 4.16% | 0.285% |
| 93 | 14.933 | 2181 | 2184 | 2187 | rVB3 | 70055 | 84628 | 2.58% | 0.177% |
| 94 | 15.027 | 2196 | 2200 | 2204 | rBV | 800514 | 1296650 | 39.48% | 2.709% |
| 95 | 15.133 | 2214 | 2218 | 2223 | rVB2 | 145511 | 236928 | 7.21% | 0.495% |
| 96 | 15.339 | 2248 | 2253 | 2259 | rVB | 423686 | 562337 | 17.12% | 1.175% |
| 97 | 15.398 | 2259 | 2263 | 2269 | rVB | 505589 | 592094 | 18.03% | 1.237% |
| 98 | 15.462 | 2270 | 2274 | 2277 | rBV | 503670 | 610981 | 18.60% | 1.276% |
| 99 | 16.962 | 2524 | 2529 | 2538 | rVB2 | 175955 | 392208 | 11.94% | 0.819% |
| 100 | 17.421 | 2602 | 2607 | 2616 | rVB | 128182 | 268998 | 8.19% | 0.562% |

Sum of corrected areas: 47865830

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120423\
Data File : BF136383.D
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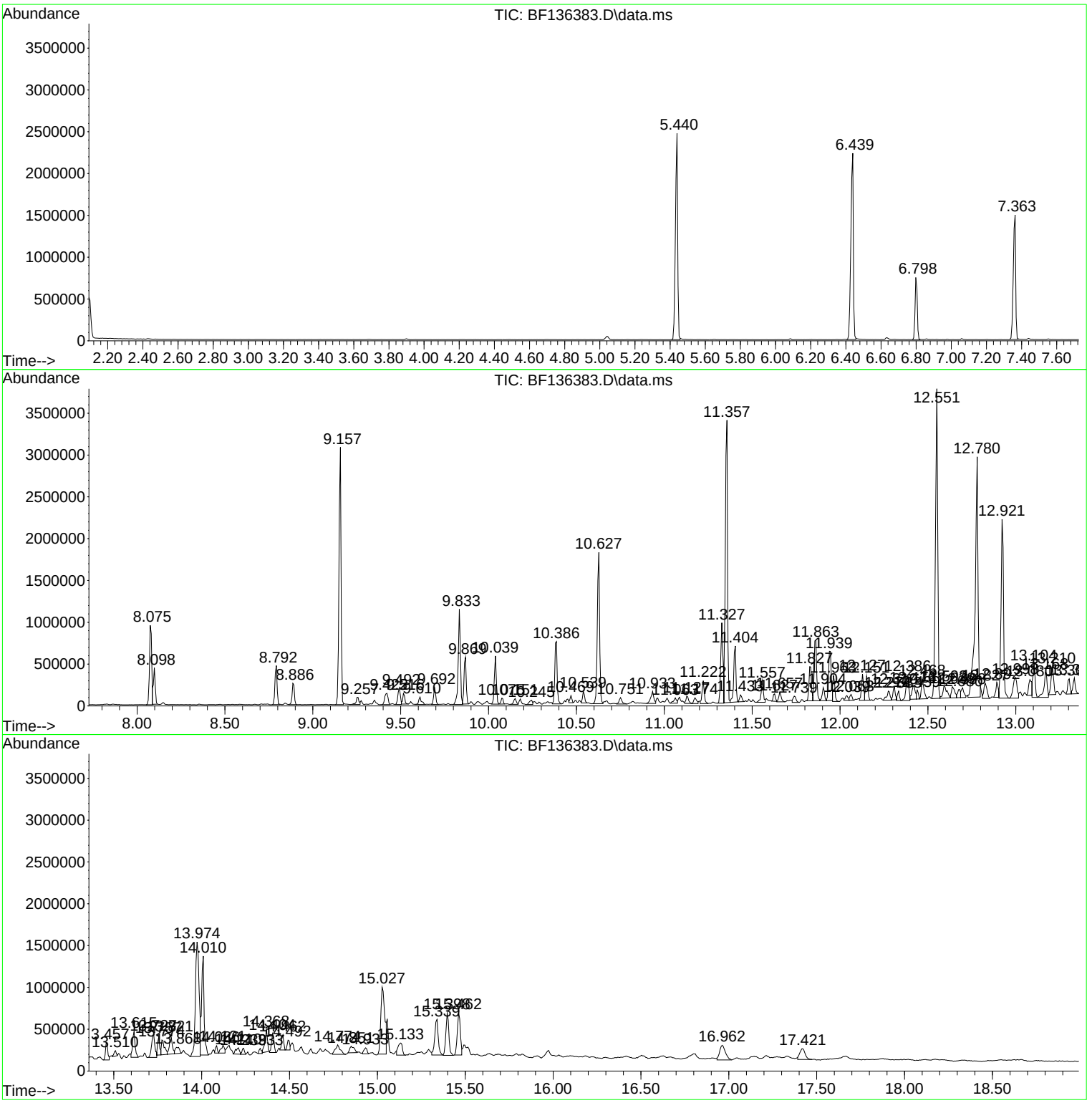
Operator : CG\JU
Sample : 05504-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
281

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.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\BF120423\
Data File : BF136383.D
Acq On : 04 Dec 2023 15:51
Operator : CG\JU
Sample : 05504-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
281

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

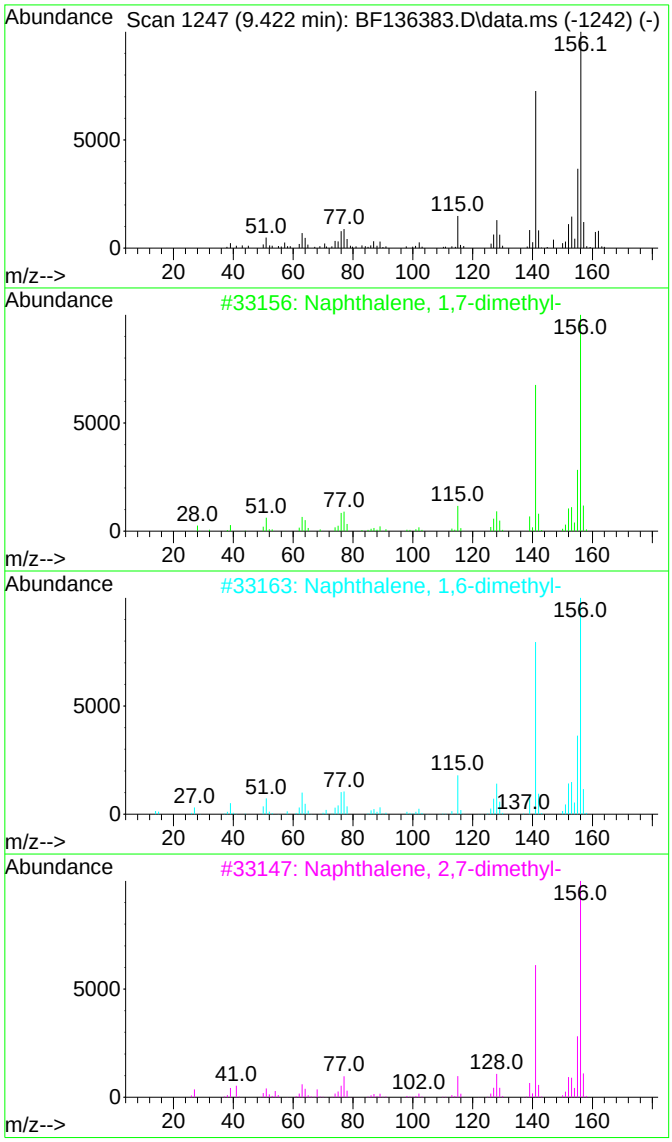
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

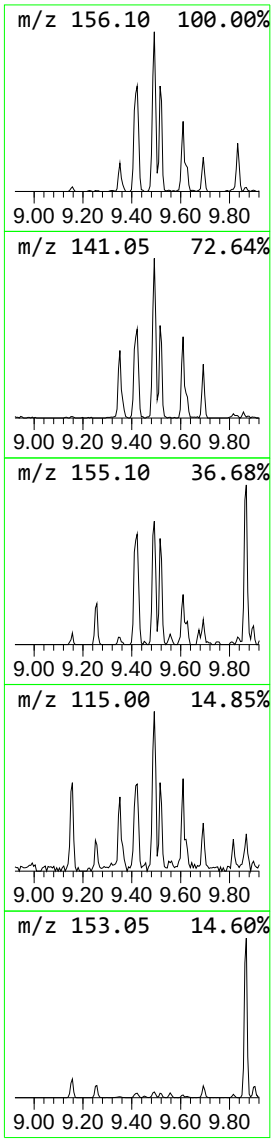
**********

Peak Number 1 Naphthalene, 1,7-dimethyl- Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.422 | 3.68 ng | 177731 | Acenaphthene-d10 | 9.833 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 97 |
| 2 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 97 |
| 3 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 97 |
| 4 | Naphthalene, 1,5-dimethyl- | 156 | C12H12 | 000571-61-9 | 97 |
| 5 | Naphthalene, 1,2-dimethyl- | 156 | C12H12 | 000573-98-8 | 96 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120423\
Data File : BF136383.D
Acq On : 04 Dec 2023 15:51
Operator : CG\JU
Sample : 05504-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
281

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

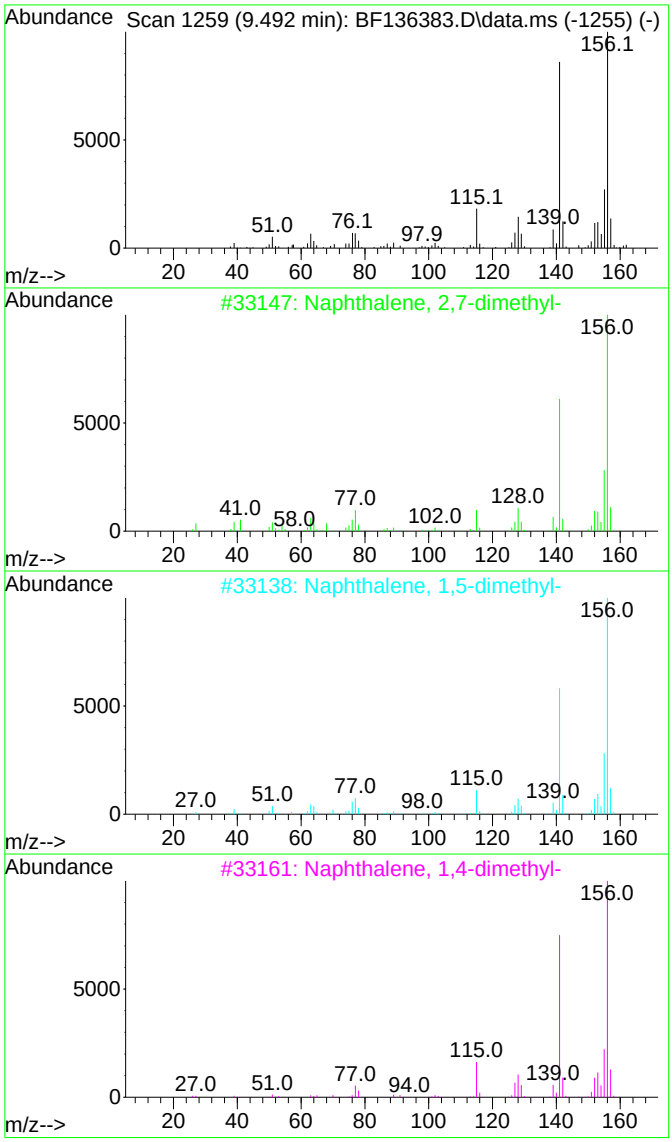
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

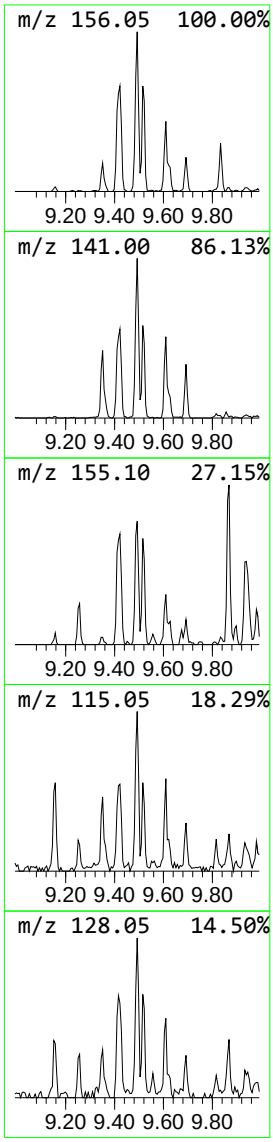
**********

Peak Number 2 Naphthalene, 2,7-dimethyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.492 | 3.89 ng | 187890 | Acenaphthene-d10 | 9.833 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 97 |
| 2 | Naphthalene, 1,5-dimethyl- | 156 | C12H12 | 000571-61-9 | 97 |
| 3 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 97 |
| 4 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 97 |
| 5 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 97 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120423\
Data File : BF136383.D
Acq On : 04 Dec 2023 15:51
Operator : CG\JU
Sample : 05504-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
281

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

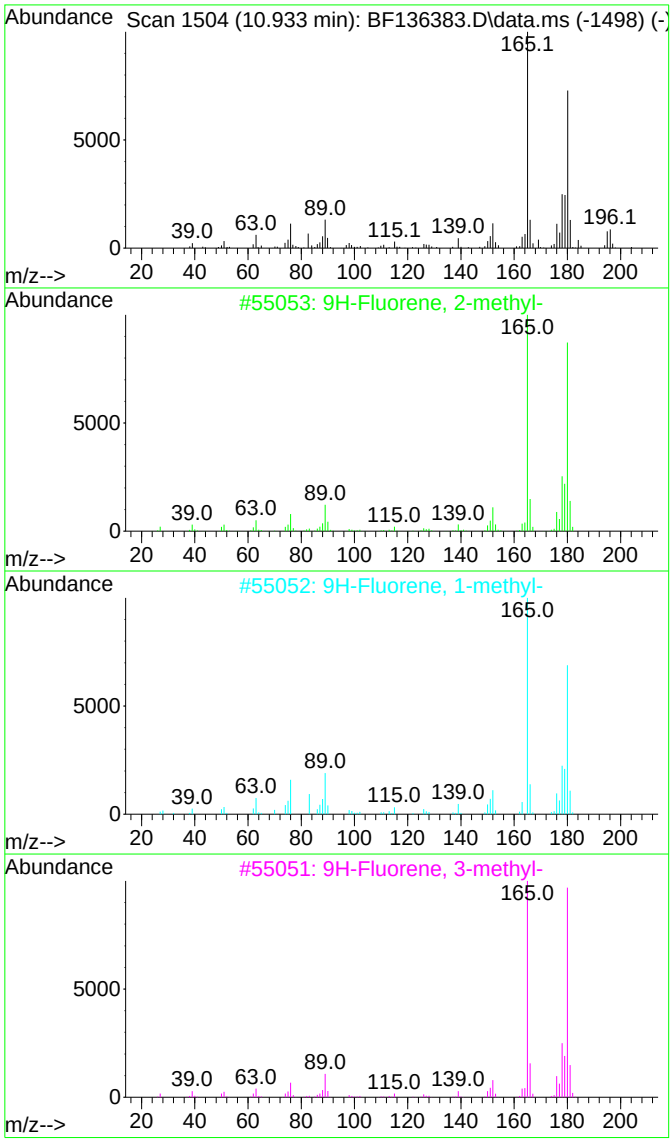
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

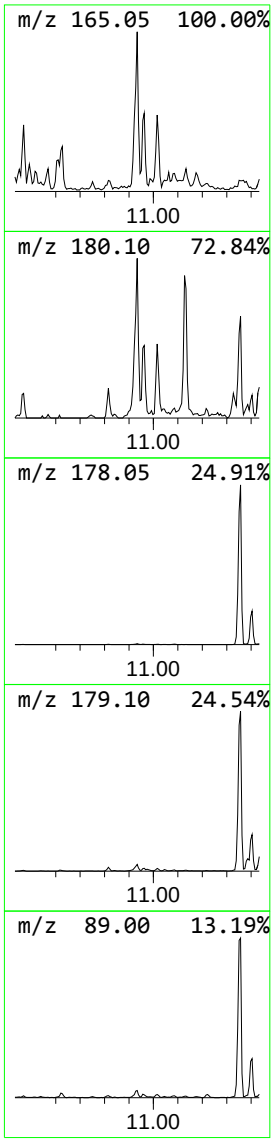
**********

Peak Number 3 9H-Fluorene, 2-methyl- Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.933 | 3.78 ng | 170660 | Phenanthrene-d10 | 11.327 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Fluorene, 2-methyl- | 180 | C14H12 | 001430-97-3 | 97 |
| 2 | 9H-Fluorene, 1-methyl- | 180 | C14H12 | 001730-37-6 | 96 |
| 3 | 9H-Fluorene, 3-methyl- | 180 | C14H12 | 002523-39-9 | 93 |
| 4 | 4a,9a-Methano-9H-fluorene | 180 | C14H12 | 019540-84-2 | 86 |
| 5 | 9H-Fluorene, 9-methyl- | 180 | C14H12 | 002523-37-7 | 86 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120423\
Data File : BF136383.D
Acq On : 04 Dec 2023 15:51
Operator : CG\JU
Sample : 05504-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
281

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

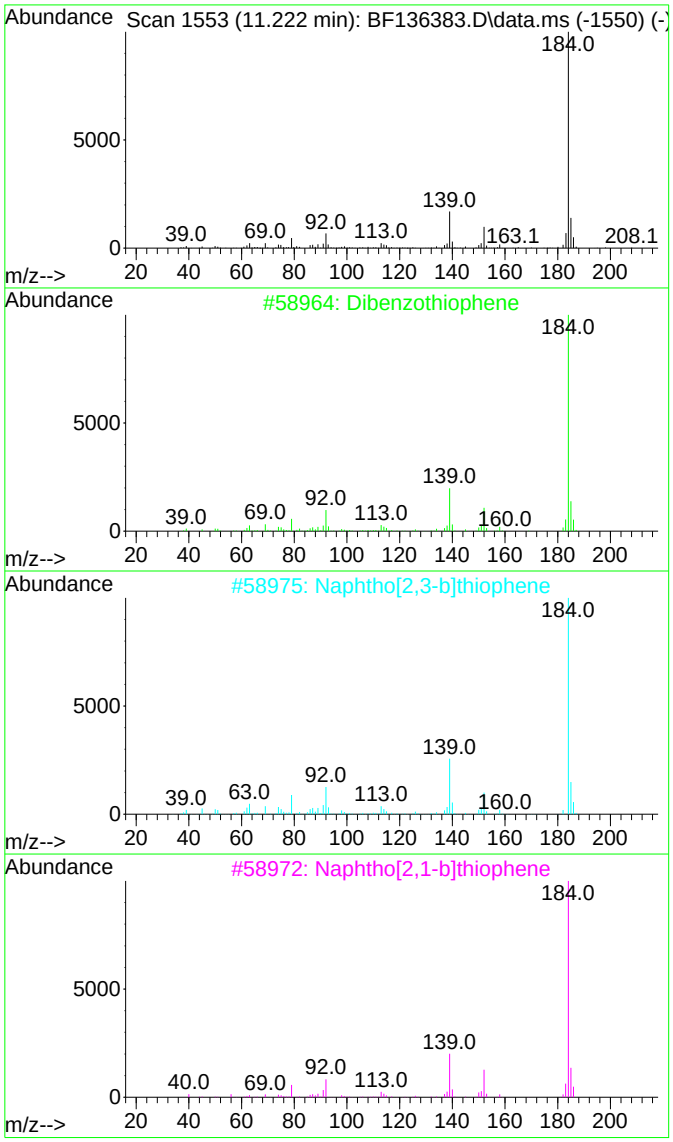
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

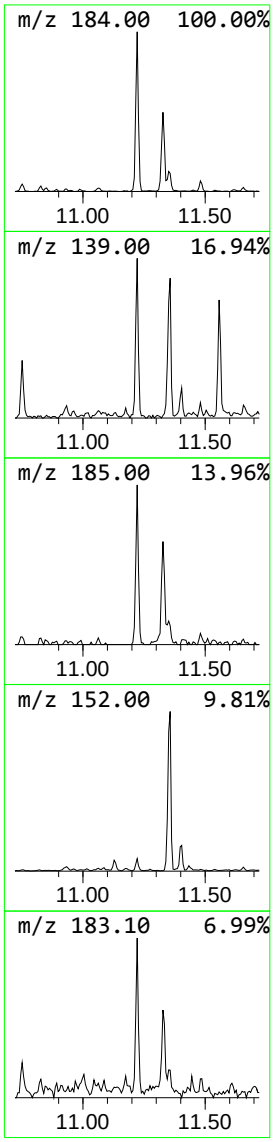
**********

Peak Number 4 Dibenzothiophene Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.222 | 5.16 ng | 233289 | Phenanthrene-d10 | 11.327 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 97 |
| 2 | Naphtho[2,3-b]thiophene | 184 | C12H8S | 000268-77-9 | 96 |
| 3 | Naphtho[2,1-b]thiophene | 184 | C12H8S | 000233-02-3 | 95 |
| 4 | Naphtho[1,2-b]thiophene | 184 | C12H8S | 000234-41-3 | 95 |
| 5 | Azuleno(2,1-b)thiophene | 184 | C12H8S | 000248-13-5 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120423\
Data File : BF136383.D
Acq On : 04 Dec 2023 15:51
Operator : CG\JU
Sample : 05504-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
281

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

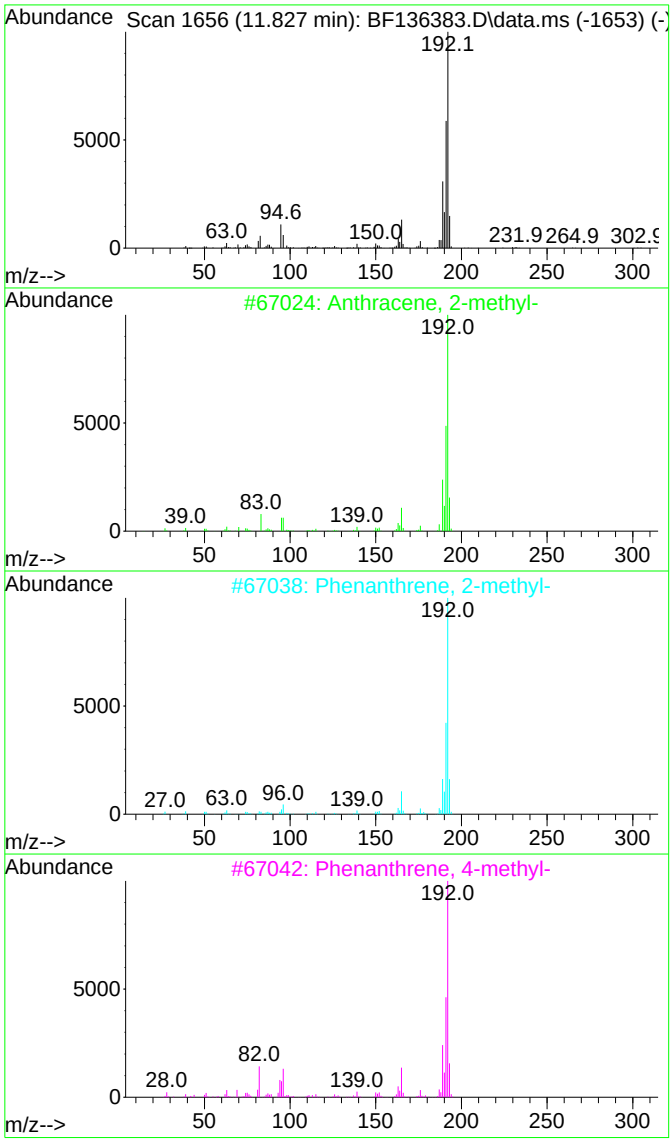
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

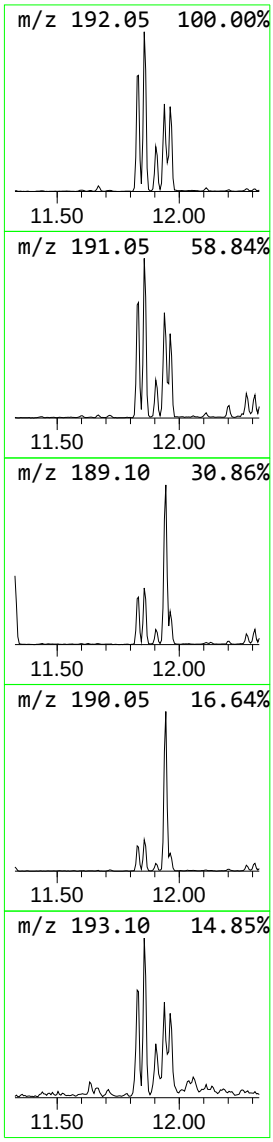
**********

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.827 | 8.88 ng | 401251 | Phenanthrene-d10 | 11.327 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 95 |
| 2 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 93 |
| 3 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 93 |
| 4 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 91 |
| 5 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 91 |



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Data File : BF136383.D
Acq On : 04 Dec 2023 15:51
Operator : CG\JU
Sample : 05504-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
281

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.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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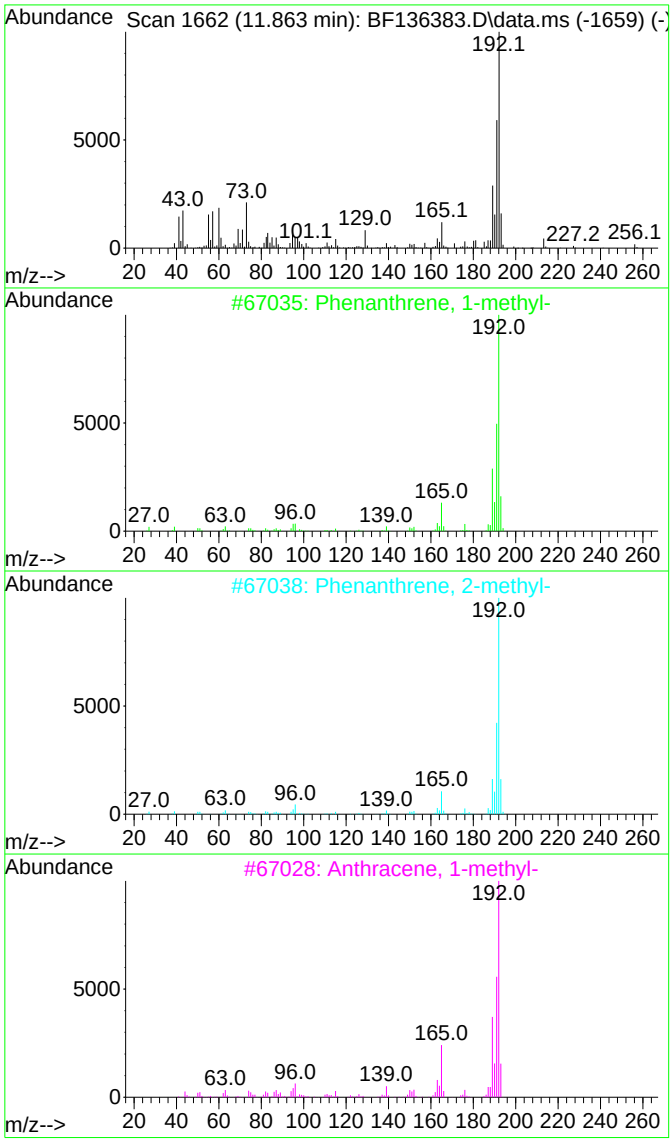
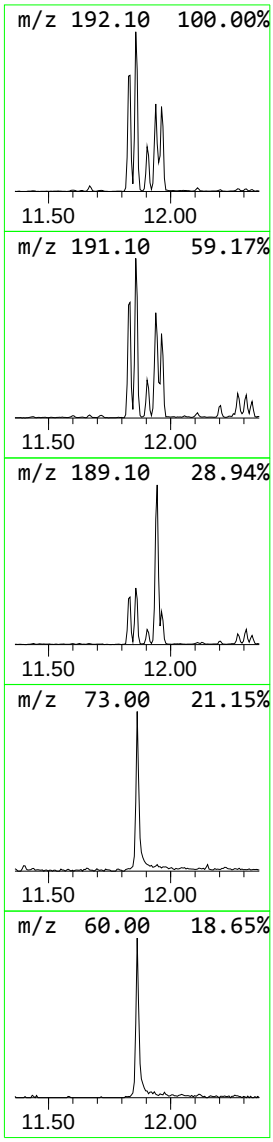
Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.863 | 15.92 ng | 719704 | Phenanthrene-d10 | 11.327 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 96 |
| 2 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 96 |
| 3 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 94 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 94 |
| 5 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 86 |



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Data File : BF136383.D
Acq On : 04 Dec 2023 15:51
Operator : CG\JU
Sample : 05504-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
281

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.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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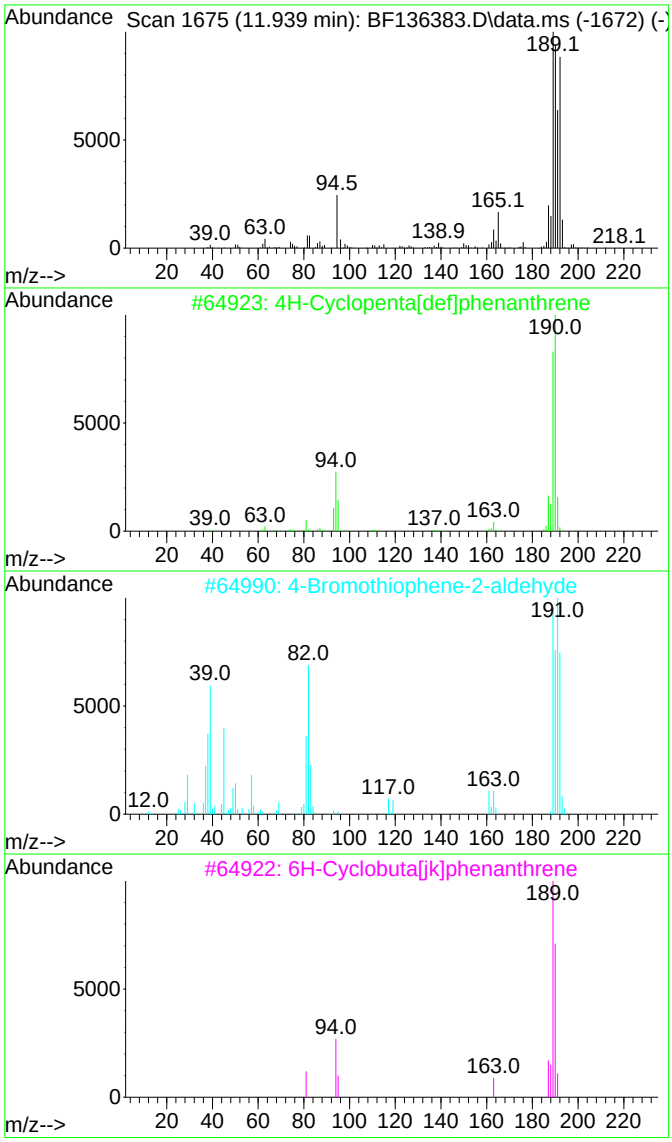
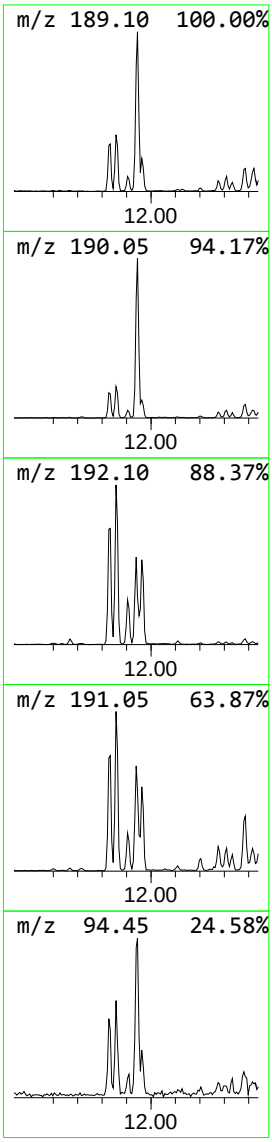
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.939 | 14.51 ng | 655972 | Phenanthrene-d10 | 11.327 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 60 |
| 2 | 4-Bromothiophene-2-aldehyde | 190 | C5H3BrOS | 018791-75-8 | 58 |
| 3 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 49 |
| 4 | 4,6-Dichloro-2-ethylpyrimidin-5-... | 191 | C6H7Cl2N3 | 006237-96-3 | 46 |
| 5 | 5H-Dibenzo[a,d]cycloheptene | 192 | C15H12 | 000256-81-5 | 42 |



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Data File : BF136383.D
Acq On : 04 Dec 2023 15:51
Operator : CG\JU
Sample : 05504-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
281

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.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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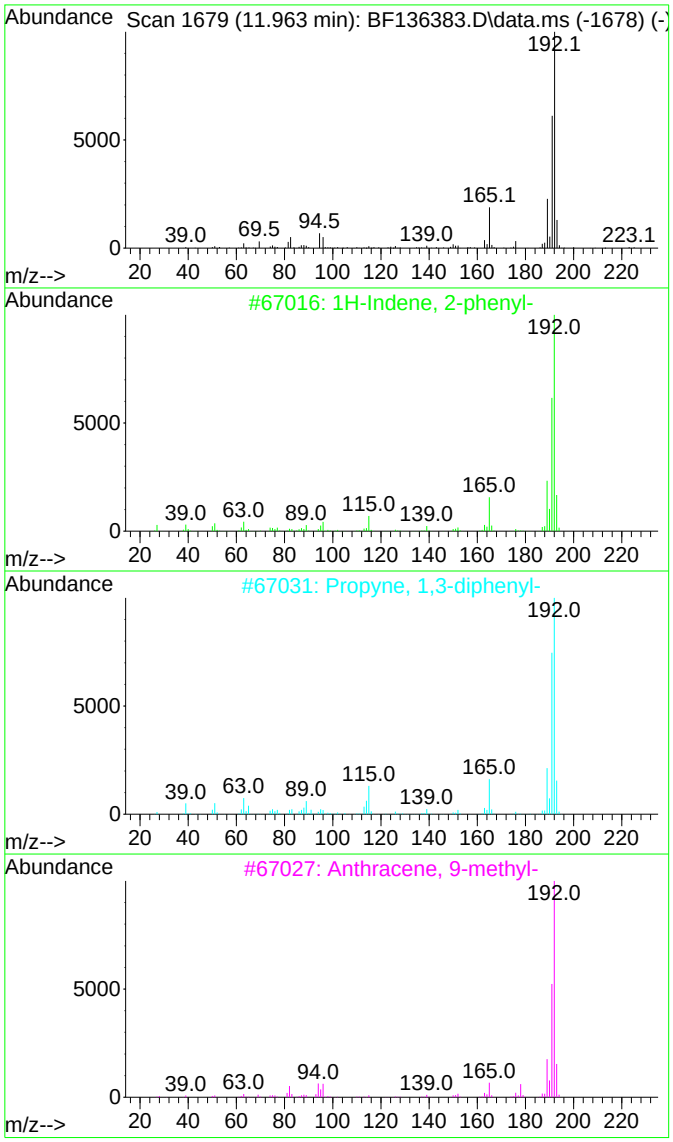
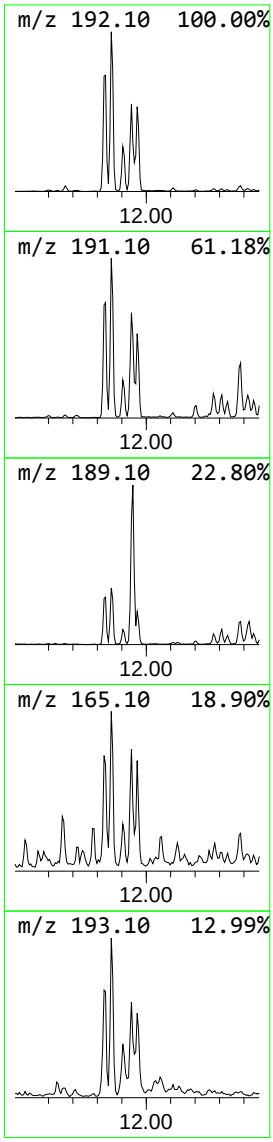
Peak Number 8 1H-Indene, 2-phenyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.963 | 4.72 ng | 213366 | Phenanthrene-d10 | 11.327 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 87 |
| 2 | Propyne, 1,3-diphenyl- | 192 | C15H12 | 004980-70-5 | 83 |
| 3 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 81 |
| 4 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 81 |
| 5 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 80 |



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Data File : BF136383.D
Acq On : 04 Dec 2023 15:51
Operator : CG\JU
Sample : 05504-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
281

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.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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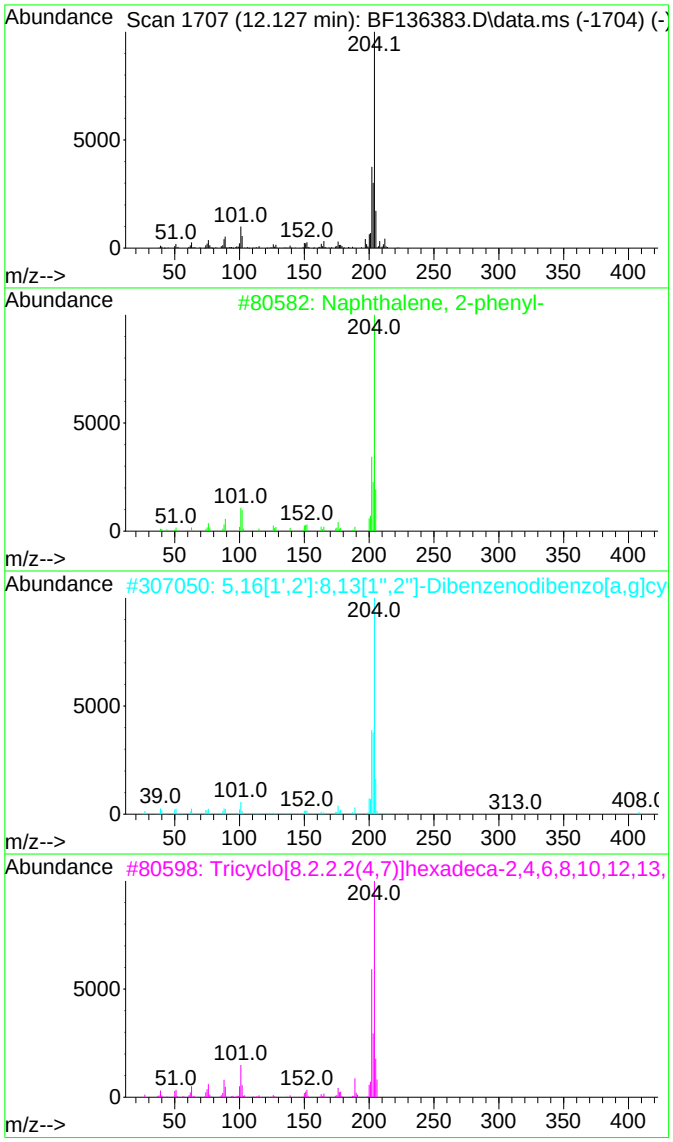
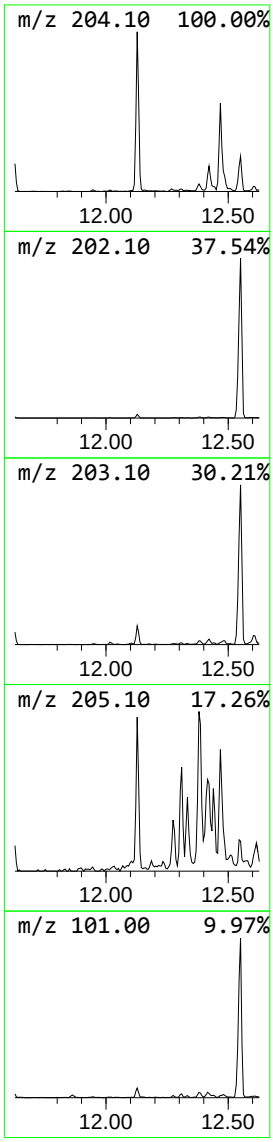
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.127 | 5.90 ng | 266600 | Phenanthrene-d10 | 11.327 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 93 |
| 2 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 86 |
| 3 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 74 |
| 4 | 9,10-Bis(bromomethyl)anthracene | 362 | C16H12Br2 | 034373-96-1 | 58 |
| 5 | 5H-Dibenzo[a,d]cycloheptene, 5-m... | 204 | C16H12 | 002975-79-3 | 52 |



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Acq On : 04 Dec 2023 15:51
Operator : CG\JU
Sample : 05504-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
281

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

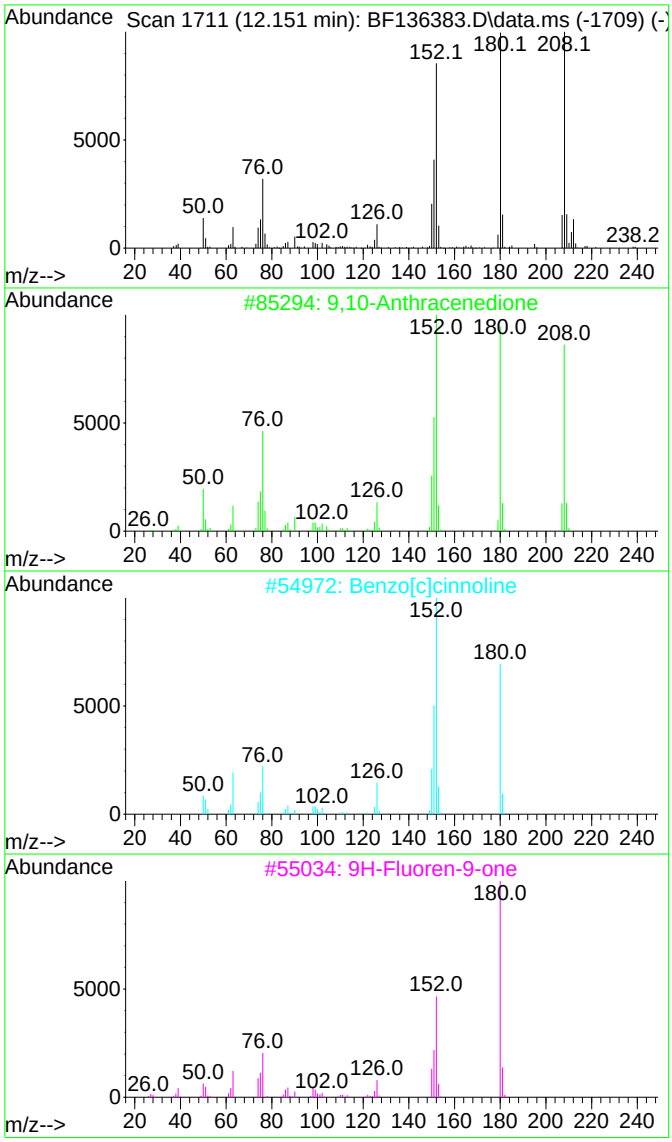
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

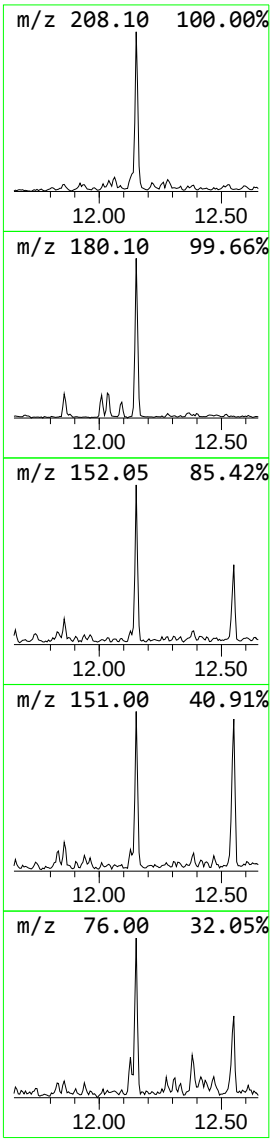
**********

Peak Number 10 9,10-Anthracenedione Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.151 | 5.22 ng | 236095 | Phenanthrene-d10 | 11.327 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 98 |
| 2 | Benzo[c]cinnoline | 180 | C12H8N2 | 000230-17-1 | 64 |
| 3 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 62 |
| 4 | Benzo[h]cinnoline | 180 | C12H8N2 | 000230-31-9 | 58 |
| 5 | 1H-Phenalen-1-one | 180 | C13H8O | 000548-39-0 | 55 |



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Acq On : 04 Dec 2023 15:51
Operator : CG\JU
Sample : 05504-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
281

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.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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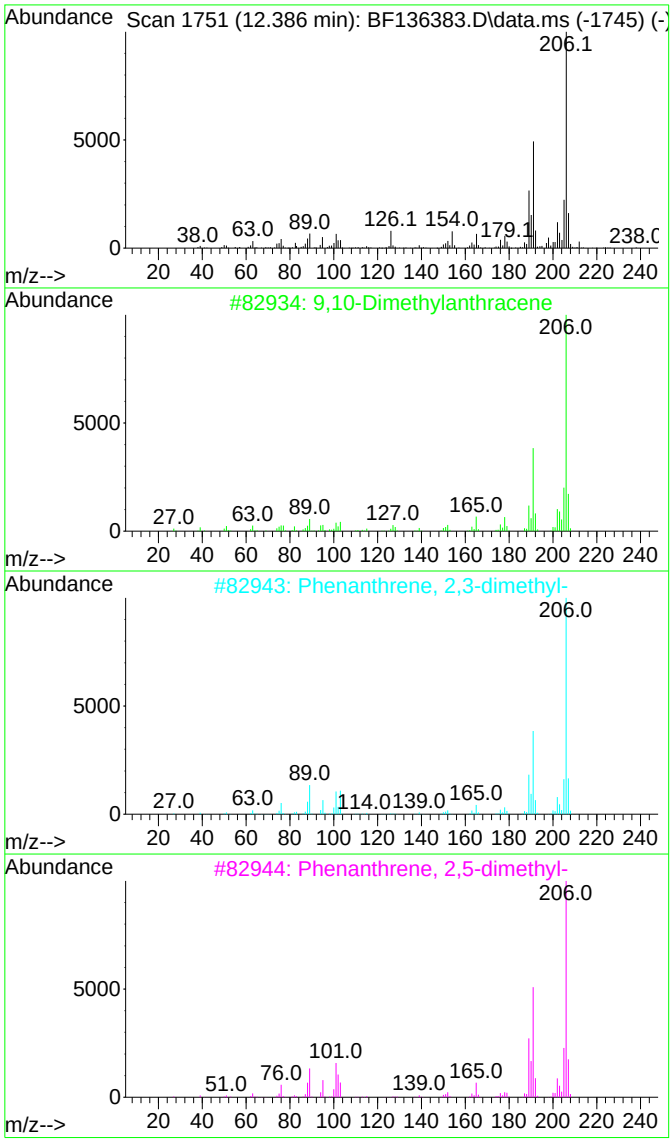
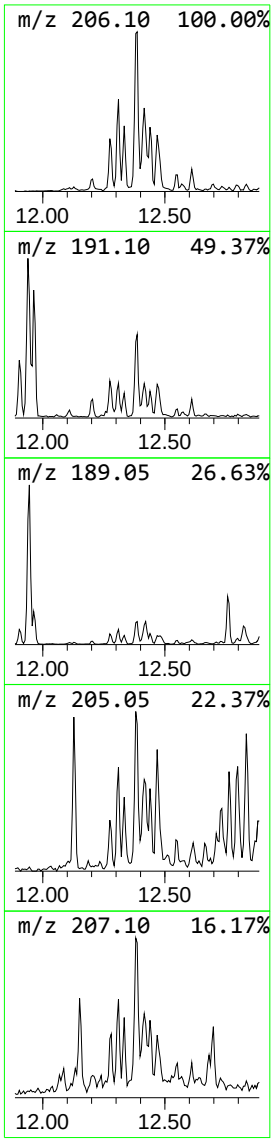
Peak Number 11 9,10-Dimethylanthracene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.386 | 7.89 ng | 356704 | Phenanthrene-d10 | 11.327 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 93 |
| 2 | Phenanthrene, 2,3-dimethyl- | 206 | C16H14 | 003674-65-5 | 93 |
| 3 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 90 |
| 4 | 3,4-Dimethylphenanthrene | 206 | C16H14 | 1000452-24-5 | 87 |
| 5 | Phenanthrene, 1,7-dimethyl- | 206 | C16H14 | 000483-87-4 | 86 |



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Acq On : 04 Dec 2023 15:51
Operator : CG\JU
Sample : 05504-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
281

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

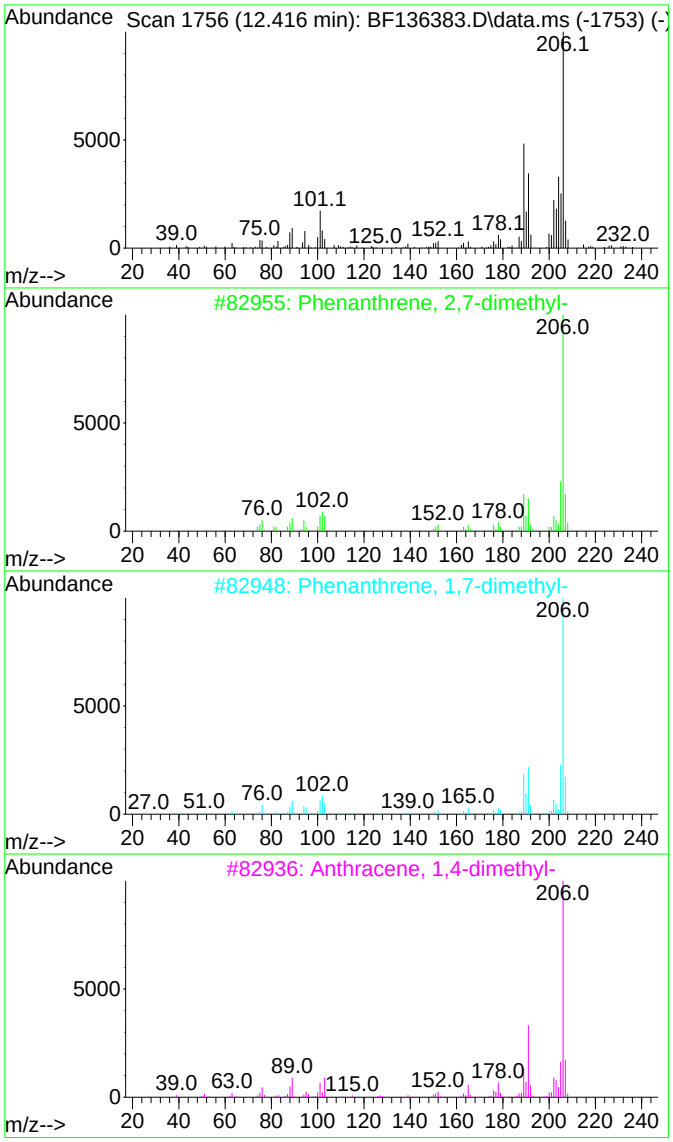
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

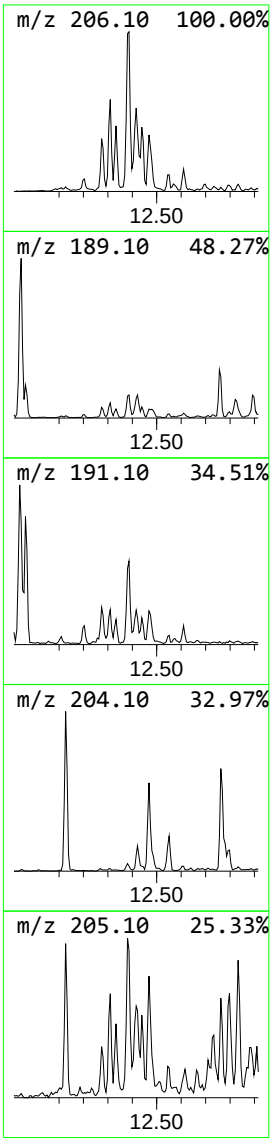
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.416 | 4.79 ng | 216338 | Phenanthrene-d10 | 11.327 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2,7-dimethyl- | 206 | C16H14 | 001576-69-8 | 89 |
| 2 | Phenanthrene, 1,7-dimethyl- | 206 | C16H14 | 000483-87-4 | 62 |
| 3 | Anthracene, 1,4-dimethyl- | 206 | C16H14 | 000781-92-0 | 58 |
| 4 | Phenanthrene, 2,3-dimethyl- | 206 | C16H14 | 003674-65-5 | 53 |
| 5 | Naphthalene, 1,2-dihydro-4-phenyl- | 206 | C16H14 | 007469-40-1 | 53 |



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Acq On : 04 Dec 2023 15:51
Operator : CG\JU
Sample : 05504-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
281

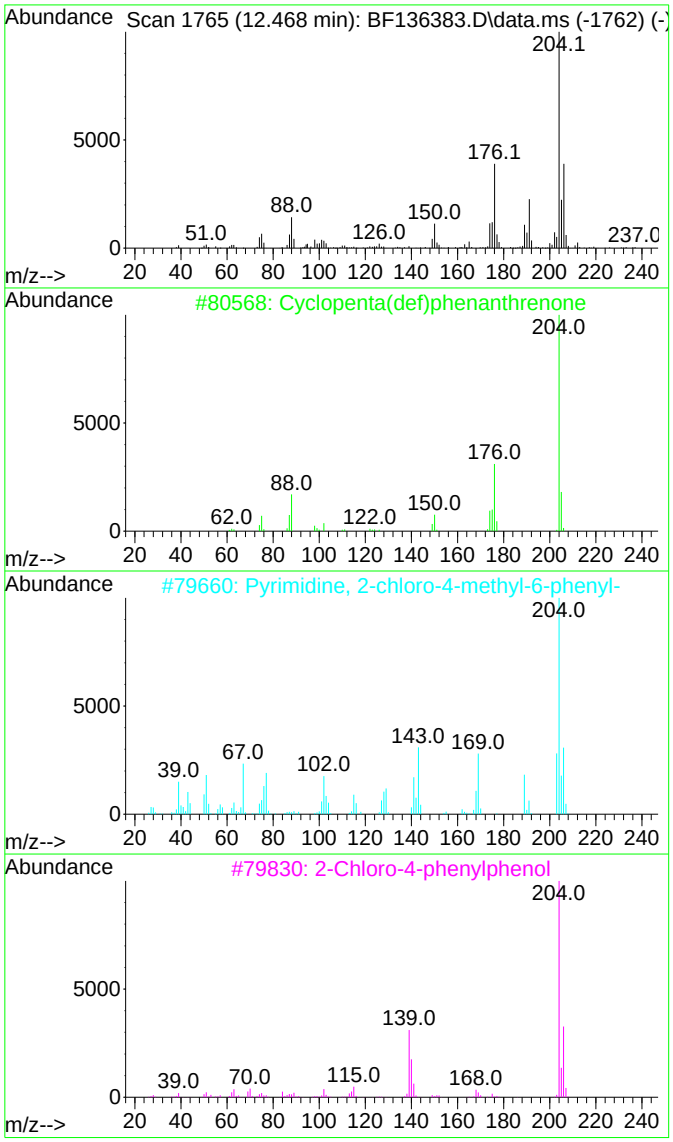
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

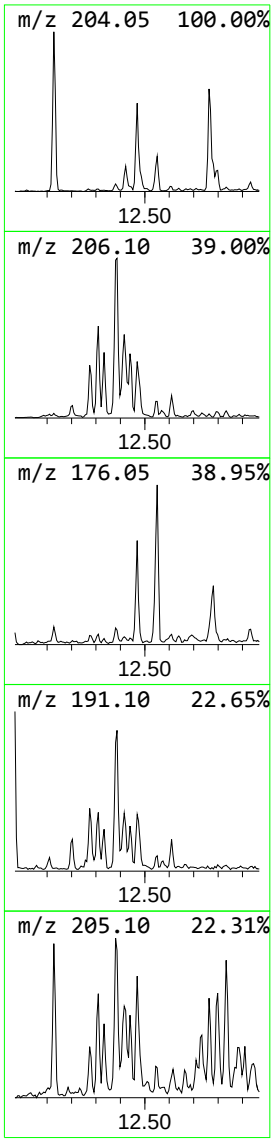
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.469 | 5.28 ng | 238468 | Phenanthrene-d10 | 11.327 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(def)phenanthrenone | 204 | C15H8O | 005737-13-3 | 91 |
| 2 | Pyrimidine, 2-chloro-4-methyl-6-... | 204 | C11H9ClN2 | 032785-40-3 | 47 |
| 3 | 2-Chloro-4-phenylphenol | 204 | C12H9ClO | 000092-04-6 | 43 |
| 4 | L-Rhamnose, 4TMS derivative | 452 | C18H44O5Si4 | 019127-15-2 | 43 |
| 5 | L-Rhamnose, (R,R,S,S)-, 4TMS der... | 452 | C18H44O5Si4 | 108392-01-4 | 43 |



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Acq On : 04 Dec 2023 15:51
Operator : CG\JU
Sample : 05504-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
281

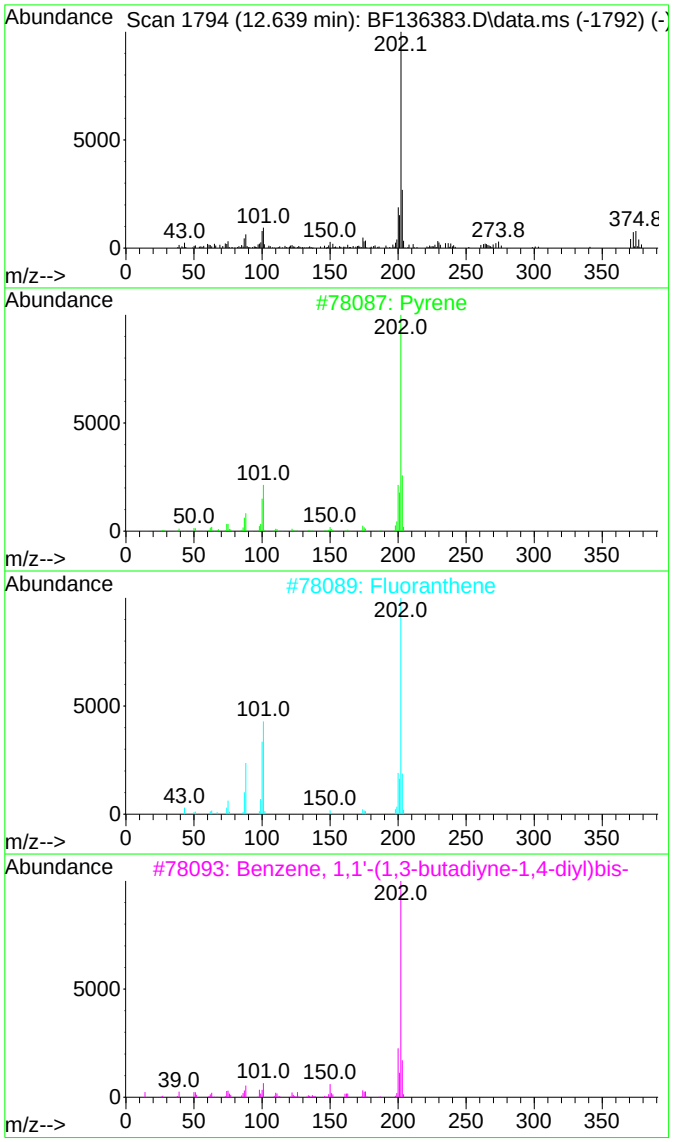
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

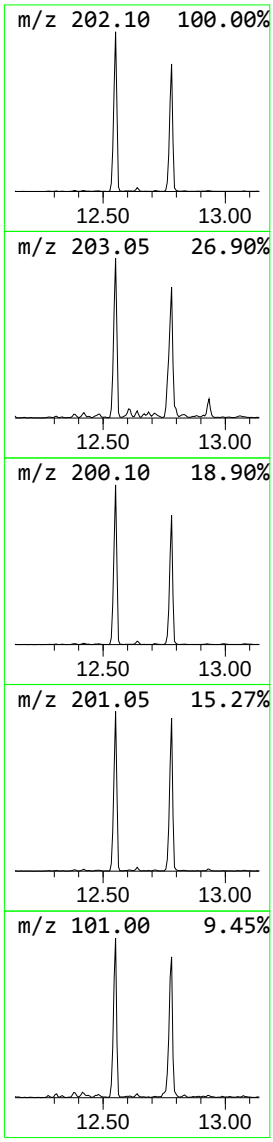
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.639 | 3.88 ng | 175400 | Phenanthrene-d10 | 11.327 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene | 202 | C16H10 | 000129-00-0 | 76 |
| 2 | Fluoranthene | 202 | C16H10 | 000206-44-0 | 76 |
| 3 | Benzene, 1,1'-(1,3-butadiyne-1,4... | 202 | C16H10 | 000886-66-8 | 62 |
| 4 | 4,4'-Bis(tetrahydrothiopyran) | 202 | C10H18S2 | 116196-83-9 | 60 |
| 5 | Pyridazine-3,6(1H,2H)-dione, 1-(... | 202 | C11H10N2O2 | 034019-60-8 | 58 |



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Operator : CG\JU
Sample : 05504-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
281

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.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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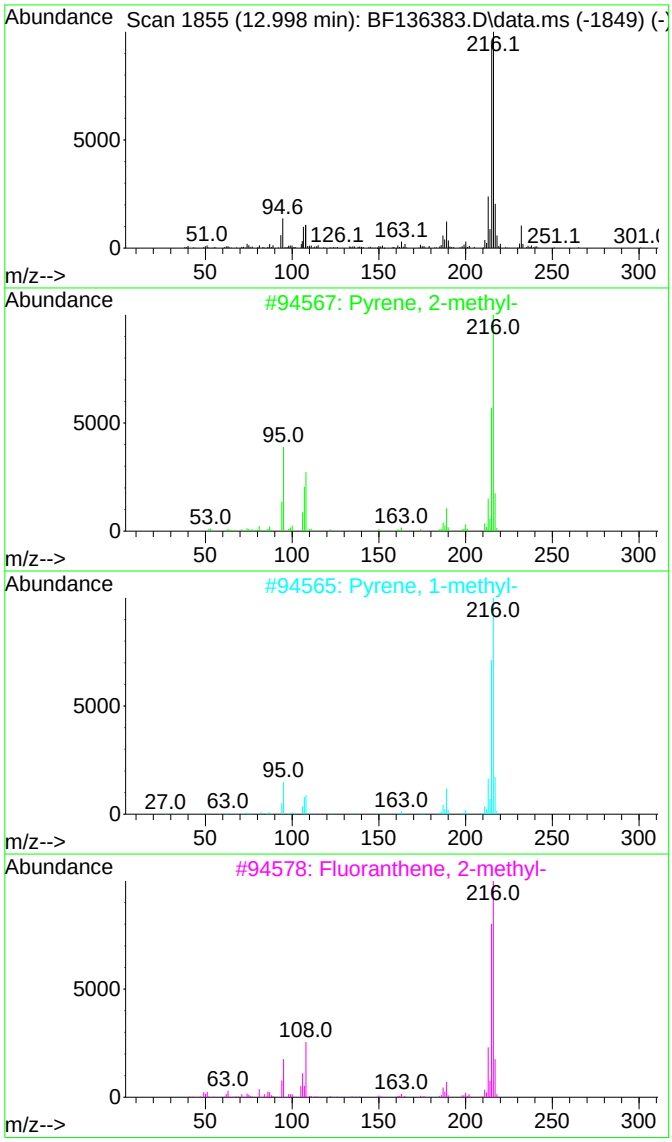
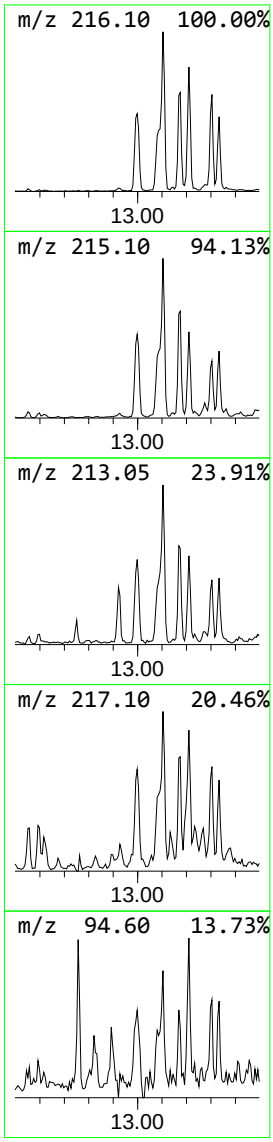
Peak Number 15 Pyrene, 2-methyl- Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.998 | 3.79 ng | 382675 | Chrysene-d12 | 13.980 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 95 |
| 2 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 95 |
| 3 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 93 |
| 4 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 93 |
| 5 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 83 |



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Data File : BF136383.D
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Operator : CG\JU
Sample : 05504-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
281

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.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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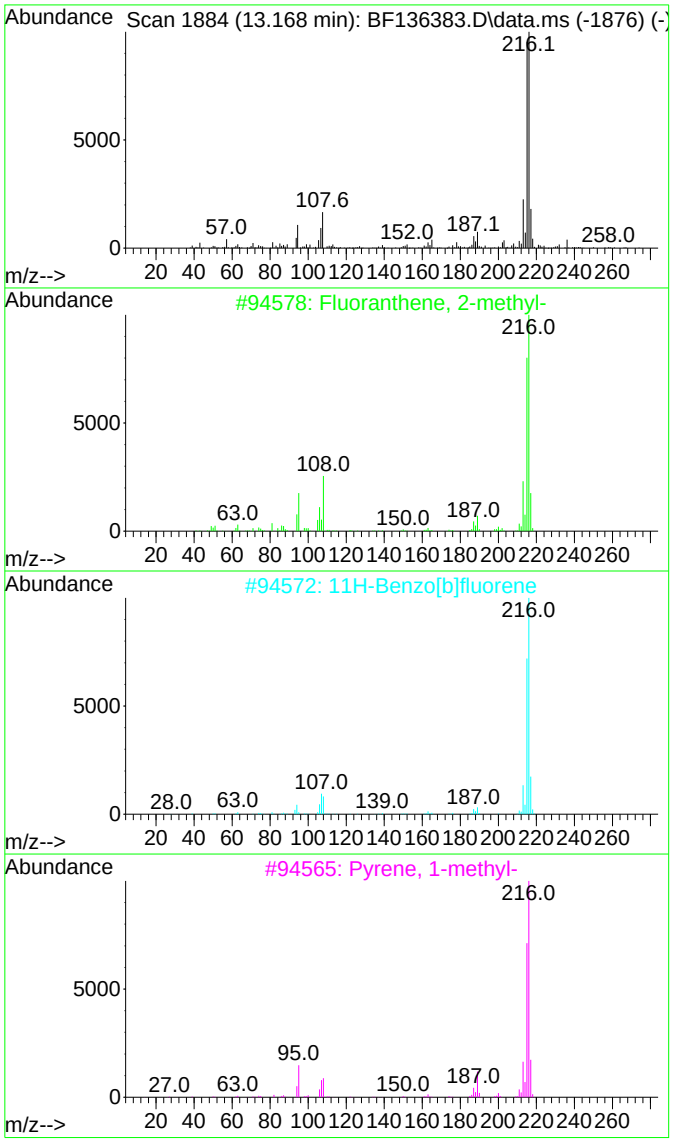
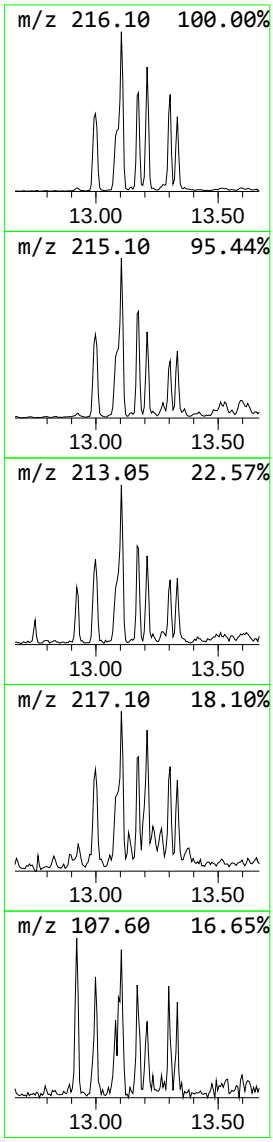
Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.168 | 3.75 ng | 378800 | Chrysene-d12 | 13.980 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 93 |
| 2 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 93 |
| 3 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 87 |
| 4 | 7H-Benzo[c]fluorene | 216 | C17H12 | 000205-12-9 | 81 |
| 5 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 81 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120423\
Data File : BF136383.D
Acq On : 04 Dec 2023 15:51
Operator : CG\JU
Sample : 05504-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
281

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

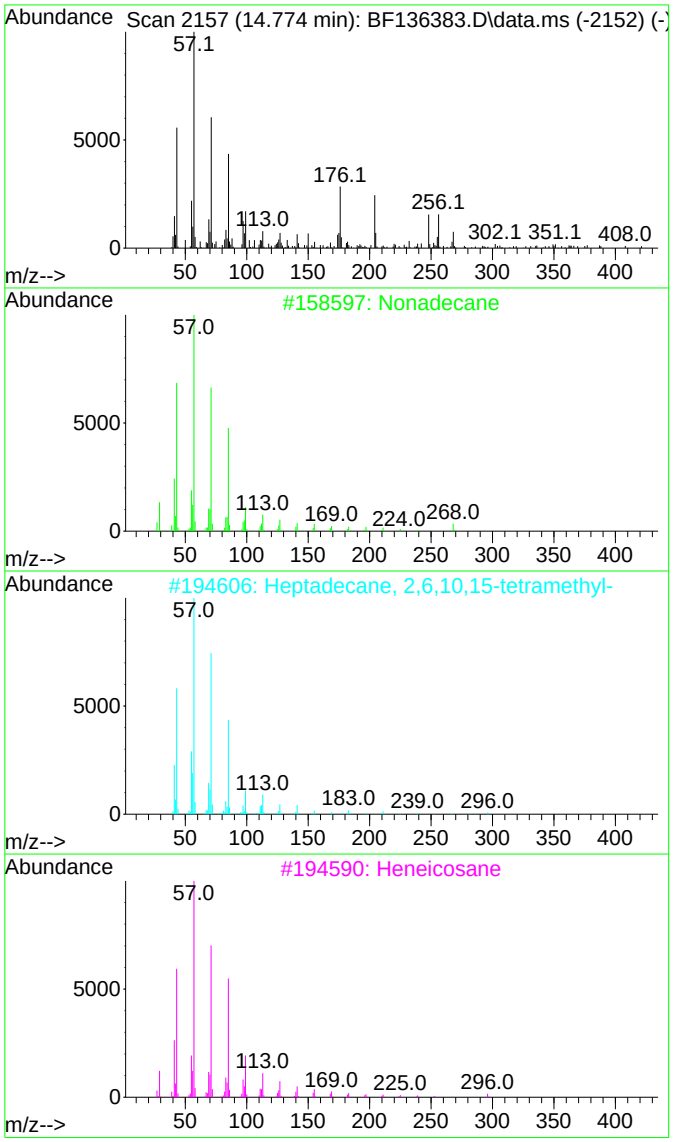
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

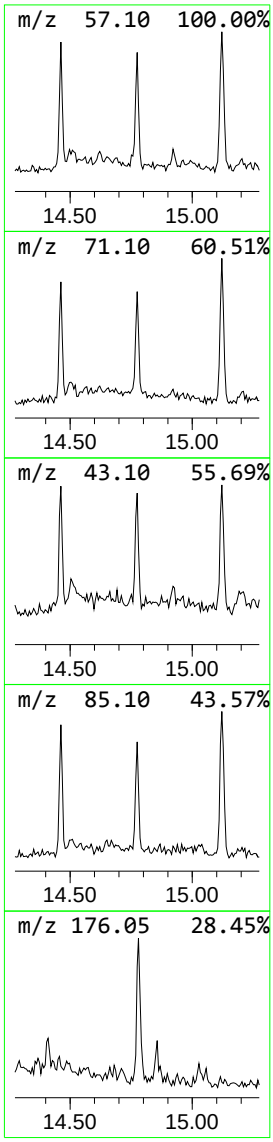
**********

Peak Number 17 Nonadecane Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.774 | 7.18 ng | 219228 | Perylene-d12 | 15.462 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonadecane | 268 | C19H40 | 000629-92-5 | 89 |
| 2 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 55 |
| 3 | Heneicosane | 296 | C21H44 | 000629-94-7 | 55 |
| 4 | Hexacosane | 366 | C26H54 | 000630-01-3 | 55 |
| 5 | Tetracosane | 338 | C24H50 | 000646-31-1 | 49 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120423\
Data File : BF136383.D
Acq On : 04 Dec 2023 15:51
Operator : CG\JU
Sample : 05504-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
281

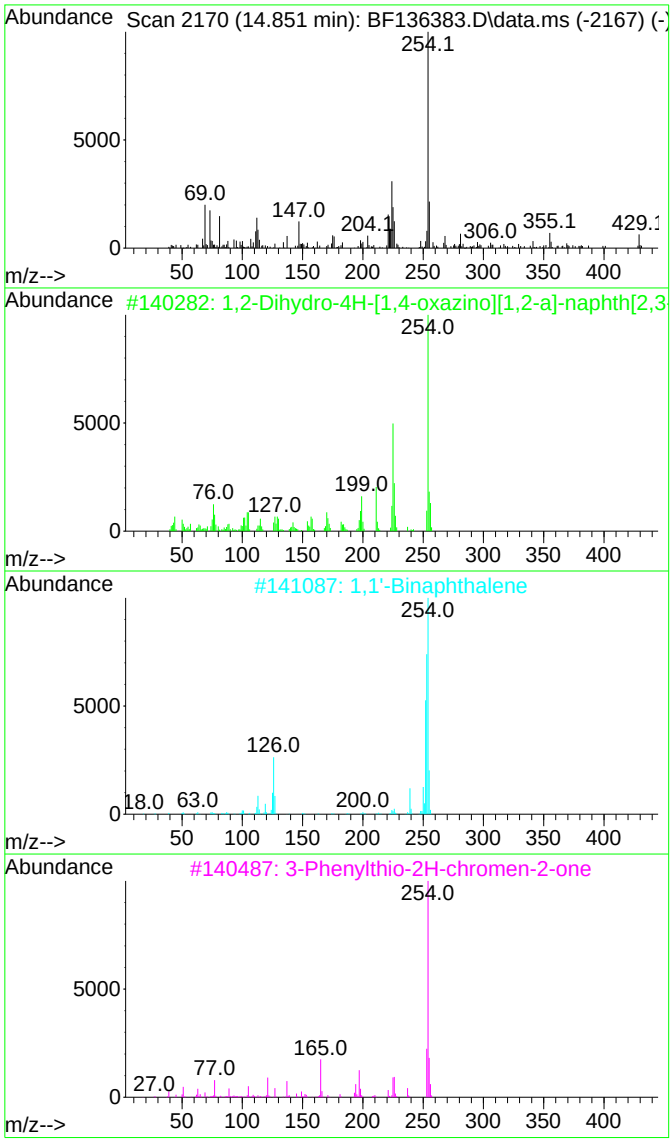
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

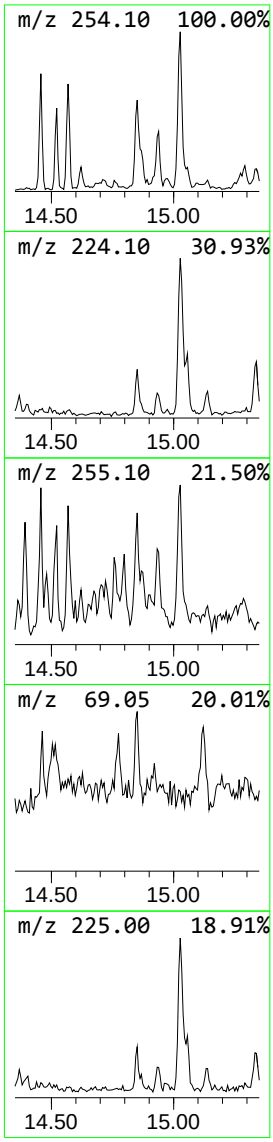
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 18 1,2-Dihydro-4H-[1,4-oxazino... Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.851 | 4.47 ng | 136576 | Perylene-d12 | 15.462 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,2-Dihydro-4H-[1,4-oxazino][1,2... | 254 | C14H10N2O3 | 038066-84-1 | 59 |
| 2 | 1,1'-Binaphthalene | 254 | C20H14 | 000604-53-5 | 58 |
| 3 | 3-Phenylthio-2H-chromen-2-one | 254 | C15H10O2S | 072167-95-4 | 53 |
| 4 | Benzo(e)pyrene, 9,10-dihydro- | 254 | C20H14 | 066788-01-0 | 53 |
| 5 | 6-Methyl-1-pyridin-2-ylmethylene... | 254 | C14H10N2O3 | 1000274-64-8 | 53 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120423\
Data File : BF136383.D
Acq On : 04 Dec 2023 15:51
Operator : CG\JU
Sample : 05504-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
281

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

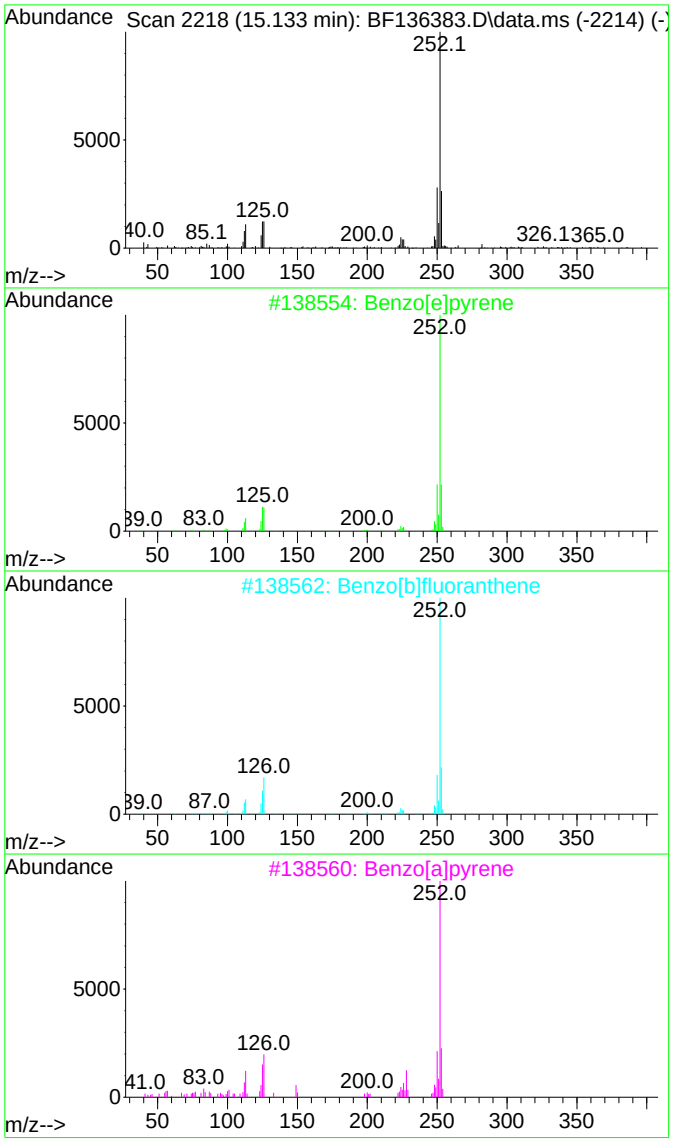
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

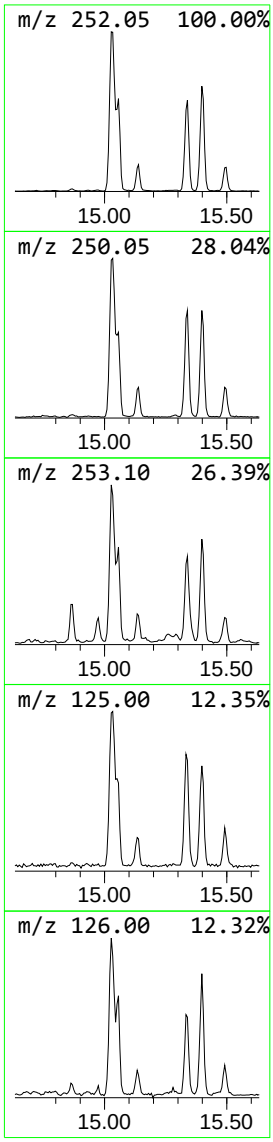
**********

Peak Number 19 Benzo[e]pyrene Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.133 | 7.76 ng | 236928 | Perylene-d12 | 15.462 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 94 |
| 2 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 93 |
| 3 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 91 |
| 4 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 90 |
| 5 | Benzo[j]fluoranthene | 252 | C20H12 | 000205-82-3 | 89 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120423\
Data File : BF136383.D
Acq On : 04 Dec 2023 15:51
Operator : CG\JU
Sample : 05504-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
281

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.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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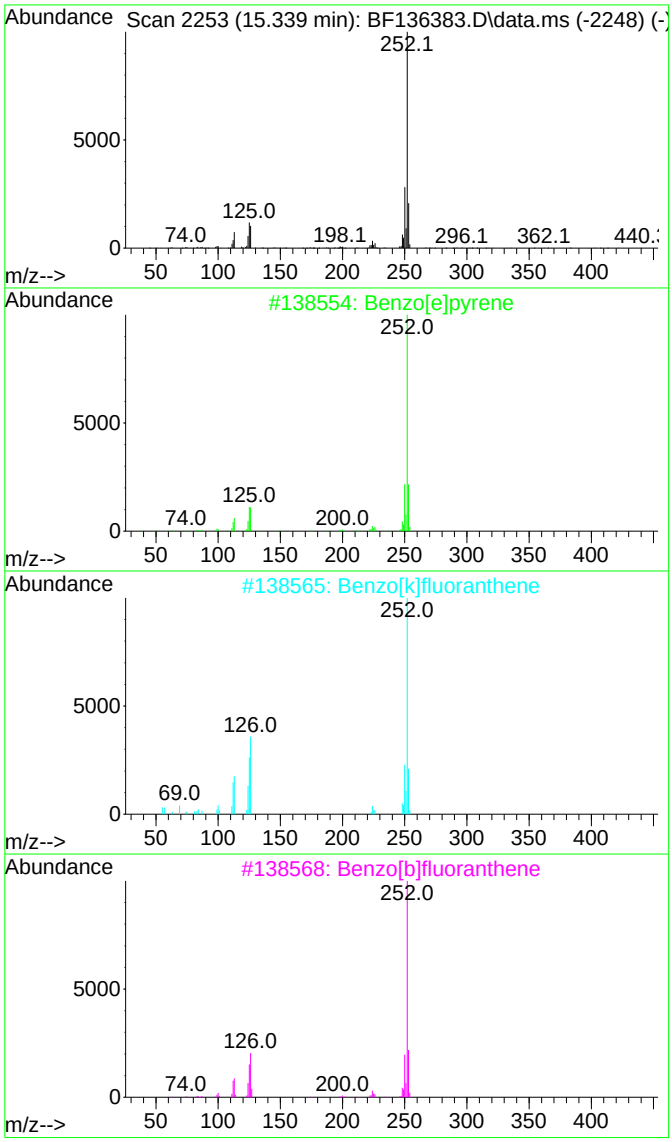
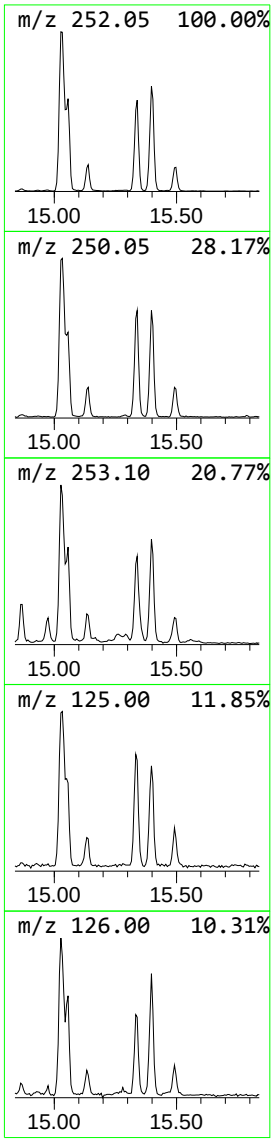
Peak Number 20 Perylene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.339 | 18.41 ng | 562337 | Perylene-d12 | 15.462 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 98 |
| 2 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 95 |
| 3 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 95 |
| 4 | Perylene | 252 | C20H12 | 000198-55-0 | 94 |
| 5 | Benzo[j]fluoranthene | 252 | C20H12 | 000205-82-3 | 93 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120423\
Data File : BF136383.D
Acq On : 04 Dec 2023 15:51
Operator : CG\JU
Sample : 05504-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
281

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.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,... | 9.422 | 3.7 | ng | 177731 | 3 | 9.833 | 965450 | 20.0 |
| Naphthalene, 2,... | 9.492 | 3.9 | ng | 187890 | 3 | 9.833 | 965450 | 20.0 |
| 9H-Fluorene, 2-... | 10.933 | 3.8 | ng | 170660 | 4 | 11.327 | 903896 | 20.0 |
| Dibenzothiophene | 11.222 | 5.2 | ng | 233289 | 4 | 11.327 | 903896 | 20.0 |
| Anthracene, 2-m... | 11.827 | 8.9 | ng | 401251 | 4 | 11.327 | 903896 | 20.0 |
| Phenanthrene, 1... | 11.863 | 15.9 | ng | 719704 | 4 | 11.327 | 903896 | 20.0 |
| 4H-Cyclopenta[d... | 11.939 | 14.5 | ng | 655972 | 4 | 11.327 | 903896 | 20.0 |
| 1H-Indene, 2-ph... | 11.963 | 4.7 | ng | 213366 | 4 | 11.327 | 903896 | 20.0 |
| Naphthalene, 2-... | 12.127 | 5.9 | ng | 266600 | 4 | 11.327 | 903896 | 20.0 |
| 9,10-Anthracene... | 12.151 | 5.2 | ng | 236095 | 4 | 11.327 | 903896 | 20.0 |
| 9,10-Dimethylan... | 12.386 | 7.9 | ng | 356704 | 4 | 11.327 | 903896 | 20.0 |
| Phenanthrene, 2... | 12.416 | 4.8 | ng | 216338 | 4 | 11.327 | 903896 | 20.0 |
| Cyclopenta(def)... | 12.469 | 5.3 | ng | 238468 | 4 | 11.327 | 903896 | 20.0 |
| Benzene, 1,1'-(... | 12.639 | 3.9 | ng | 175400 | 4 | 11.327 | 903896 | 20.0 |
| Pyrene, 2-methyl- | 12.998 | 3.8 | ng | 382675 | 5 | 13.980 | 2020340 | 20.0 |
| Fluoranthene, 2... | 13.168 | 3.8 | ng | 378800 | 5 | 13.980 | 2020340 | 20.0 |
| Nonadecane | 14.774 | 7.2 | ng | 219228 | 6 | 15.462 | 610981 | 20.0 |
| 1,2-Dihydro-4H-... | 14.851 | 4.5 | ng | 136576 | 6 | 15.462 | 610981 | 20.0 |
| Benzo[e]pyrene | 15.133 | 7.8 | ng | 236928 | 6 | 15.462 | 610981 | 20.0 |
| Perylene | 15.339 | 18.4 | ng | 562337 | 6 | 15.462 | 610981 | 20.0 |