LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072823\
Data File : BF134522.D
Acq On : 28 Jul 2023 18:50
Operator : CG\JU
Sample : 03773-01 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-02-072523

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-BF072423.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF134522.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.463 | 571 | 574 | 593 | rBV | 600663 | 662919 | 73.75% | 4.352% |
| 2 | 6.469 | 742 | 745 | 764 | rBV | 652962 | 659267 | 73.35% | 4.328% |
| 3 | 6.828 | 803 | 806 | 814 | rBV | 638539 | 490563 | 54.58% | 3.221% |
| 4 | 7.393 | 898 | 902 | 913 | rBV | 342218 | 322320 | 35.86% | 2.116% |
| 5 | 8.104 | 1020 | 1023 | 1027 | rBV | 666223 | 605856 | 67.40% | 3.978% |
| 6 | 8.822 | 1142 | 1145 | 1148 | rBV | 32650 | 27828 | 3.10% | 0.183% |
| 7 | 8.922 | 1157 | 1162 | 1169 | rVB | 52331 | 50130 | 5.58% | 0.329% |
| 8 | 9.181 | 1202 | 1206 | 1211 | rBV | 704393 | 559386 | 62.23% | 3.673% |
| 9 | 9.451 | 1248 | 1252 | 1255 | rVB | 35074 | 39510 | 4.40% | 0.259% |
| 10 | 9.522 | 1260 | 1264 | 1267 | rBV | 60256 | 65004 | 7.23% | 0.427% |
| 11 | 9.545 | 1267 | 1268 | 1273 | rVB2 | 27980 | 26859 | 2.99% | 0.176% |
| 12 | 9.639 | 1281 | 1284 | 1290 | rBV | 30499 | 30930 | 3.44% | 0.203% |
| 13 | 9.722 | 1295 | 1298 | 1302 | rVV2 | 66383 | 60867 | 6.77% | 0.400% |
| 14 | 9.863 | 1319 | 1322 | 1325 | rVV | 709153 | 551022 | 61.30% | 3.618% |
| 15 | 9.892 | 1325 | 1327 | 1331 | rVB | 120424 | 113341 | 12.61% | 0.744% |
| 16 | 9.969 | 1337 | 1340 | 1344 | rVB2 | 17186 | 22309 | 2.48% | 0.146% |
| 17 | 10.069 | 1353 | 1357 | 1360 | rVV2 | 89967 | 92305 | 10.27% | 0.606% |
| 18 | 10.104 | 1360 | 1363 | 1367 | rVB | 38498 | 38380 | 4.27% | 0.252% |
| 19 | 10.181 | 1372 | 1376 | 1379 | rBV2 | 29728 | 33867 | 3.77% | 0.222% |
| 20 | 10.269 | 1387 | 1391 | 1393 | rBV2 | 18870 | 23343 | 2.60% | 0.153% |
| 21 | 10.416 | 1412 | 1416 | 1421 | rVB | 112424 | 115892 | 12.89% | 0.761% |
| 22 | 10.481 | 1421 | 1427 | 1428 | rBV2 | 22364 | 26838 | 2.99% | 0.176% |
| 23 | 10.569 | 1440 | 1442 | 1446 | rVB | 31789 | 27815 | 3.09% | 0.183% |
| 24 | 10.657 | 1454 | 1457 | 1461 | rBV | 322914 | 277850 | 30.91% | 1.824% |
| 25 | 10.775 | 1468 | 1477 | 1483 | rVB7 | 27173 | 54302 | 6.04% | 0.357% |
| 26 | 10.963 | 1505 | 1509 | 1512 | rBV4 | 32767 | 43715 | 4.86% | 0.287% |
| 27 | 11.045 | 1520 | 1523 | 1526 | rVB | 20919 | 23855 | 2.65% | 0.157% |
| 28 | 11.092 | 1526 | 1531 | 1533 | rBV4 | 22930 | 36555 | 4.07% | 0.240% |
| 29 | 11.116 | 1533 | 1535 | 1540 | rVV2 | 21459 | 23781 | 2.65% | 0.156% |
| 30 | 11.169 | 1540 | 1544 | 1547 | rVV | 58846 | 51847 | 5.77% | 0.340% |
| 31 | 11.210 | 1547 | 1551 | 1554 | rVV3 | 22202 | 28509 | 3.17% | 0.187% |
| 32 | 11.251 | 1554 | 1558 | 1562 | rVB | 74661 | 79242 | 8.82% | 0.520% |
| 33 | 11.357 | 1572 | 1576 | 1578 | rBV | 475779 | 414069 | 46.07% | 2.719% |
| 34 | 11.386 | 1578 | 1581 | 1584 | rVV | 806478 | 747071 | 83.11% | 4.905% |
| 35 | 11.433 | 1586 | 1589 | 1592 | rVV | 183089 | 168097 | 18.70% | 1.104% |
| 36 | 11.475 | 1592 | 1596 | 1601 | rVB3 | 29257 | 45911 | 5.11% | 0.301% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072823\
Data File : BF134522.D
Acq On : 28 Jul 2023 18:50
Operator : CG\JU
Sample : 03773-01 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OR-02-072523

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-BF072423.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 11.598 | 1610 | 1617 | 1621 | rBV2 | 95059 | 124459 | 13.85% | 0.817% |
| 38 | 11.651 | 1623 | 1626 | 1628 | rVV2 | 34517 | 36551 | 4.07% | 0.240% |
| 39 | 11.692 | 1630 | 1633 | 1638 | rVB2 | 62751 | 71396 | 7.94% | 0.469% |
| 40 | 11.775 | 1644 | 1647 | 1650 | rVB | 40839 | 45667 | 5.08% | 0.300% |
| 41 | 11.822 | 1652 | 1655 | 1657 | rBV3 | 21487 | 21959 | 2.44% | 0.144% |
| 42 | 11.863 | 1658 | 1662 | 1664 | rVV | 187855 | 172722 | 19.22% | 1.134% |
| 43 | 11.892 | 1664 | 1667 | 1671 | rVV | 259192 | 256380 | 28.52% | 1.683% |
| 44 | 11.939 | 1672 | 1675 | 1677 | rVV | 64191 | 50012 | 5.56% | 0.328% |
| 45 | 11.975 | 1677 | 1681 | 1683 | rVV2 | 251574 | 252596 | 28.10% | 1.658% |
| 46 | 11.998 | 1683 | 1685 | 1690 | rVB | 119599 | 105054 | 11.69% | 0.690% |
| 47 | 12.051 | 1690 | 1694 | 1696 | rBV3 | 21421 | 27952 | 3.11% | 0.184% |
| 48 | 12.157 | 1709 | 1712 | 1715 | rBV | 86596 | 77140 | 8.58% | 0.506% |
| 49 | 12.192 | 1715 | 1718 | 1723 | rVB | 89108 | 85834 | 9.55% | 0.564% |
| 50 | 12.339 | 1740 | 1743 | 1745 | rBV | 42520 | 30793 | 3.43% | 0.202% |
| 51 | 12.363 | 1745 | 1747 | 1750 | rVB2 | 33449 | 29031 | 3.23% | 0.191% |
| 52 | 12.416 | 1752 | 1756 | 1758 | rBV | 139112 | 133770 | 14.88% | 0.878% |
| 53 | 12.451 | 1758 | 1762 | 1764 | rVV3 | 59170 | 82991 | 9.23% | 0.545% |
| 54 | 12.475 | 1764 | 1766 | 1768 | rVB | 33639 | 26349 | 2.93% | 0.173% |
| 55 | 12.510 | 1768 | 1772 | 1775 | rBV3 | 96395 | 112002 | 12.46% | 0.735% |
| 56 | 12.580 | 1780 | 1784 | 1787 | rBV | 999266 | 853463 | 94.95% | 5.603% |
| 57 | 12.622 | 1787 | 1791 | 1793 | rBV3 | 36957 | 36000 | 4.01% | 0.236% |
| 58 | 12.675 | 1798 | 1800 | 1803 | rVB | 47057 | 35268 | 3.92% | 0.232% |
| 59 | 12.733 | 1804 | 1810 | 1812 | rBV3 | 78984 | 94693 | 10.53% | 0.622% |
| 60 | 12.757 | 1812 | 1814 | 1817 | rVB3 | 29164 | 22650 | 2.52% | 0.149% |
| 61 | 12.810 | 1817 | 1823 | 1829 | rBV | 769474 | 898844 | 100.00% | 5.901% |
| 62 | 12.863 | 1829 | 1832 | 1836 | rBV2 | 67130 | 73402 | 8.17% | 0.482% |
| 63 | 12.951 | 1840 | 1847 | 1849 | rBV | 447927 | 463218 | 51.53% | 3.041% |
| 64 | 12.975 | 1849 | 1851 | 1856 | rVB | 54066 | 60933 | 6.78% | 0.400% |
| 65 | 13.027 | 1856 | 1860 | 1865 | rBV3 | 95013 | 161273 | 17.94% | 1.059% |
| 66 | 13.086 | 1865 | 1870 | 1872 | rBV2 | 35365 | 43755 | 4.87% | 0.287% |
| 67 | 13.116 | 1872 | 1875 | 1876 | rBV2 | 79078 | 71294 | 7.93% | 0.468% |
| 68 | 13.139 | 1876 | 1879 | 1883 | rVB | 159531 | 164919 | 18.35% | 1.083% |
| 69 | 13.180 | 1883 | 1886 | 1888 | rBV4 | 28242 | 29366 | 3.27% | 0.193% |
| 70 | 13.210 | 1888 | 1891 | 1893 | rVB | 100964 | 77663 | 8.64% | 0.510% |
| 71 | 13.245 | 1893 | 1897 | 1900 | rBV2 | 122001 | 129732 | 14.43% | 0.852% |
| 72 | 13.339 | 1910 | 1913 | 1915 | rBV | 87243 | 72493 | 8.07% | 0.476% |
| 73 | 13.369 | 1915 | 1918 | 1921 | rBV | 85296 | 90688 | 10.09% | 0.595% |
| 74 | 13.627 | 1960 | 1962 | 1964 | rBV3 | 19520 | 22123 | 2.46% | 0.145% |
| 75 | 13.657 | 1964 | 1967 | 1971 | rVB | 90837 | 86161 | 9.59% | 0.566% |
| 76 | 13.716 | 1974 | 1977 | 1980 | rBV | 28871 | 31882 | 3.55% | 0.209% |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072823\
Data File : BF134522.D
Acq On : 28 Jul 2023 18:50
Operator : CG\JU
Sample : 03773-01 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-02-072523

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-BF072423.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 13.763 | 1982 | 1985 | 1988 | rBV | 113716 | 122219 | 13.60% | 0.802% |
| 78 | 13.792 | 1988 | 1990 | 1992 | rVB | 62315 | 51801 | 5.76% | 0.340% |
| 79 | 13.822 | 1992 | 1995 | 1996 | rBV | 48667 | 46799 | 5.21% | 0.307% |
| 80 | 13.869 | 2001 | 2003 | 2006 | rVB | 118633 | 96979 | 10.79% | 0.637% |
| 81 | 13.933 | 2012 | 2014 | 2020 | rVB2 | 25606 | 37465 | 4.17% | 0.246% |
| 82 | 14.016 | 2023 | 2028 | 2031 | rVV2 | 506239 | 778060 | 86.56% | 5.108% |
| 83 | 14.045 | 2031 | 2033 | 2040 | rVB | 370284 | 326190 | 36.29% | 2.142% |
| 84 | 14.104 | 2041 | 2043 | 2045 | rBV2 | 26415 | 24373 | 2.71% | 0.160% |
| 85 | 14.122 | 2045 | 2046 | 2049 | rVB | 40710 | 32331 | 3.60% | 0.212% |
| 86 | 14.174 | 2052 | 2055 | 2061 | rBV6 | 46275 | 80796 | 8.99% | 0.530% |
| 87 | 14.339 | 2081 | 2083 | 2086 | rBV2 | 24753 | 21638 | 2.41% | 0.142% |
| 88 | 14.369 | 2086 | 2088 | 2090 | rBV2 | 38640 | 35892 | 3.99% | 0.236% |
| 89 | 14.410 | 2090 | 2095 | 2098 | rVB | 111854 | 119399 | 13.28% | 0.784% |
| 90 | 14.439 | 2098 | 2100 | 2103 | rBV | 52481 | 50362 | 5.60% | 0.331% |
| 91 | 14.533 | 2114 | 2116 | 2118 | rBV2 | 40580 | 33075 | 3.68% | 0.217% |
| 92 | 14.916 | 2178 | 2181 | 2184 | rBV3 | 49577 | 56031 | 6.23% | 0.368% |
| 93 | 15.080 | 2205 | 2209 | 2212 | rBV | 225533 | 332202 | 36.96% | 2.181% |
| 94 | 15.192 | 2225 | 2228 | 2232 | rVB | 47760 | 61135 | 6.80% | 0.401% |
| 95 | 15.392 | 2258 | 2262 | 2269 | rVB | 134317 | 158802 | 17.67% | 1.043% |
| 96 | 15.457 | 2269 | 2273 | 2278 | rBV | 204556 | 255177 | 28.39% | 1.675% |
| 97 | 15.521 | 2279 | 2284 | 2287 | rVV | 216720 | 278286 | 30.96% | 1.827% |
| 98 | 15.551 | 2287 | 2289 | 2295 | rVB3 | 53084 | 76088 | 8.47% | 0.500% |
| 99 | 17.062 | 2542 | 2546 | 2553 | rVB2 | 75148 | 138621 | 15.42% | 0.910% |
| 100 | 17.533 | 2621 | 2626 | 2635 | rVB3 | 49657 | 113948 | 12.68% | 0.748% |

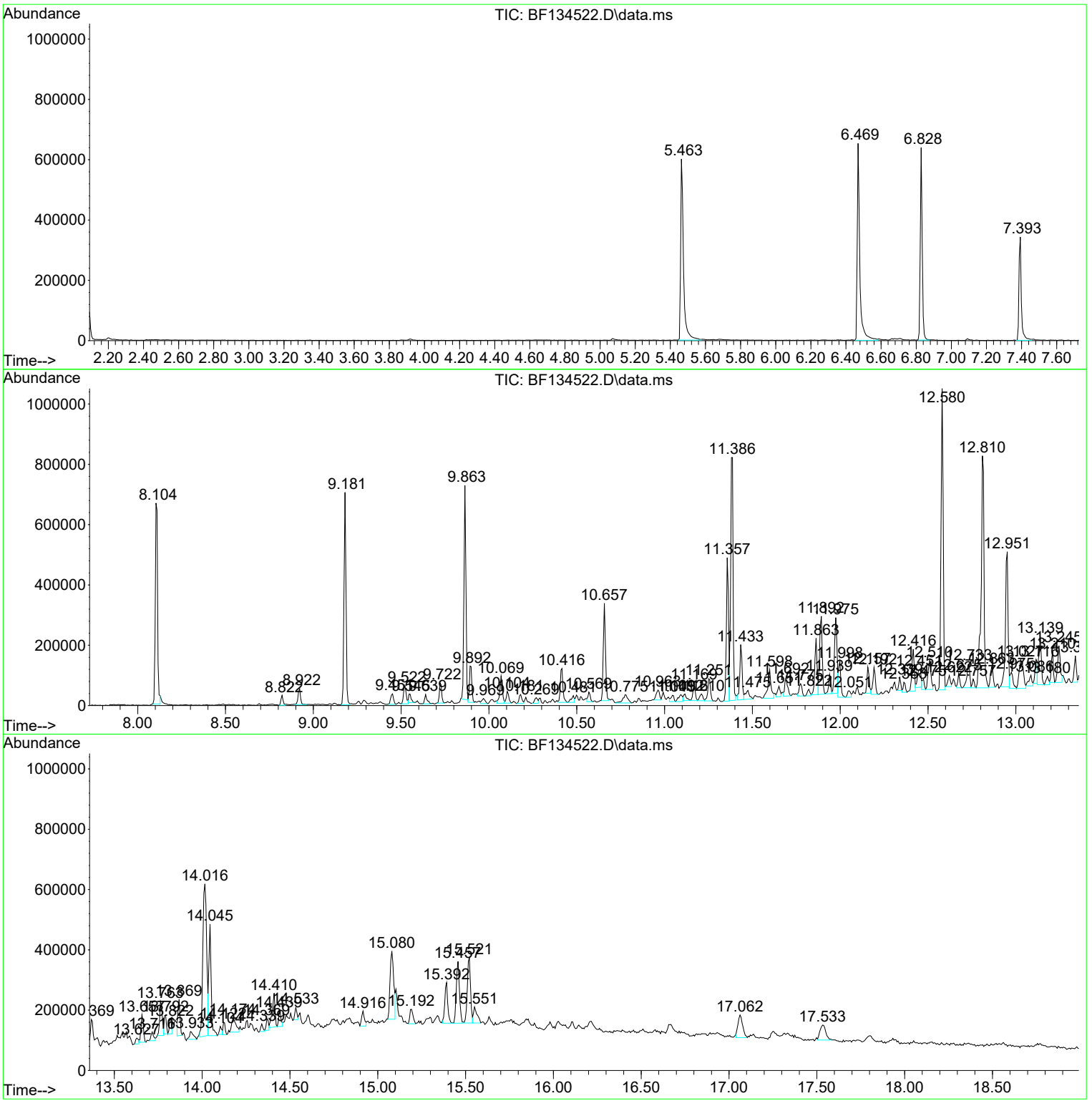
Sum of corrected areas: 15231502

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072823\
Data File : BF134522.D
Acq On : 28 Jul 2023 18:50
Operator : CG\JU
Sample : 03773-01 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-02-072523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.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\BF072823\
Data File : BF134522.D
Acq On : 28 Jul 2023 18:50
Operator : CG\JU
Sample : 03773-01 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-02-072523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

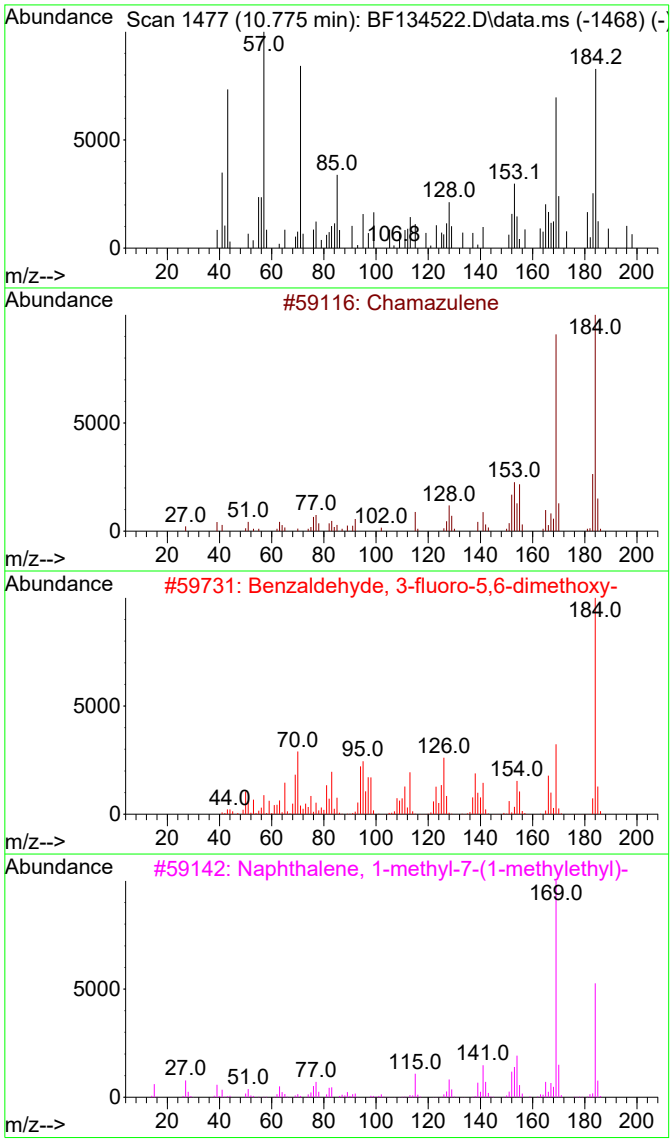
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

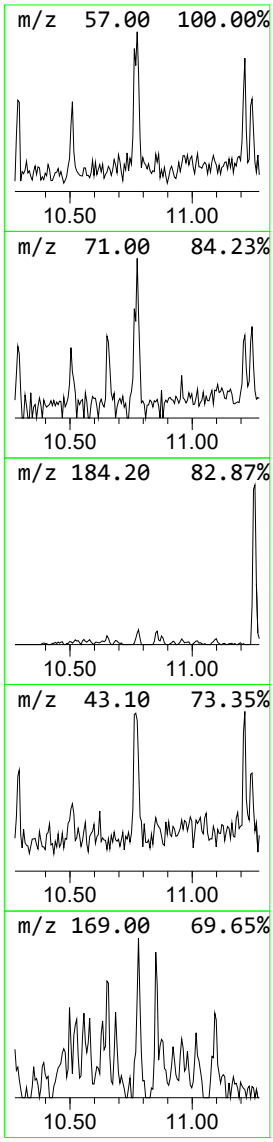
**********

Peak Number 1 Chamazulene Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.775 | 2.62 ng | 54302 | Phenanthrene-d10 | 11.357 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Chamazulene | 184 | C14H16 | 000529-05-5 | 60 |
| 2 | Benzaldehyde, 3-fluoro-5,6-dimet... | 184 | C9H9FO3 | 114635-98-2 | 47 |
| 3 | Naphthalene, 1-methyl-7-(1-methy... | 184 | C14H16 | 000490-65-3 | 45 |
| 4 | Naphthalene, 1,2,3,4-tetramethyl- | 184 | C14H16 | 003031-15-0 | 45 |
| 5 | 1,6-Dimethyl- 3-ethylnaphthalene | 184 | C14H16 | 1000383-71-8 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072823\
Data File : BF134522.D
Acq On : 28 Jul 2023 18:50
Operator : CG\JU
Sample : 03773-01 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-02-072523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

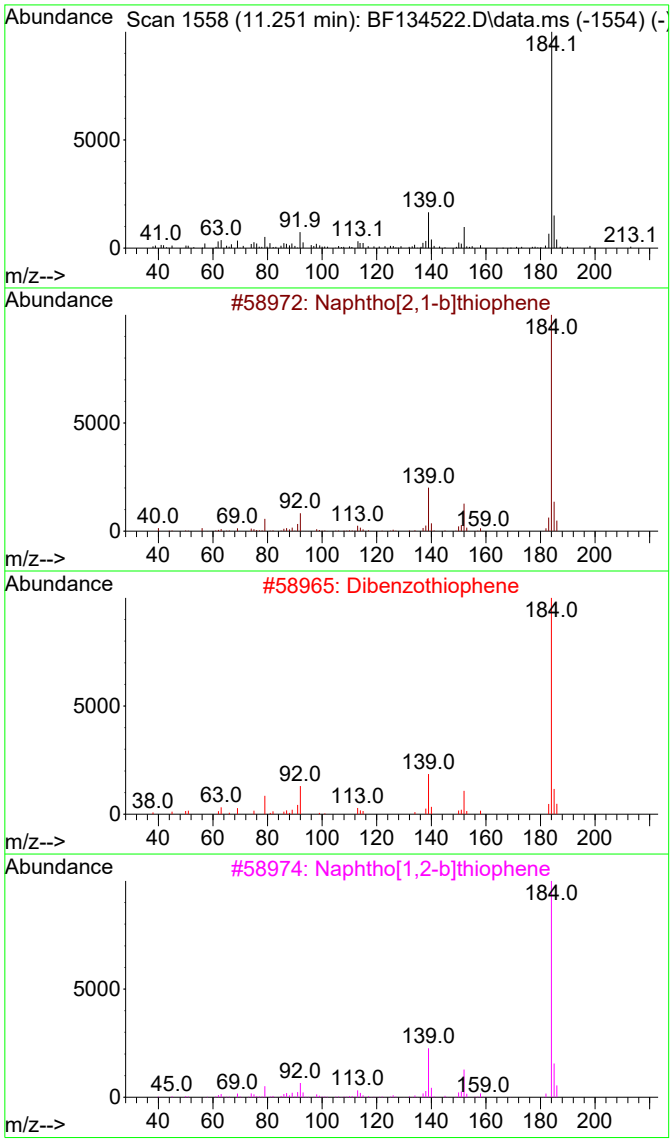
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

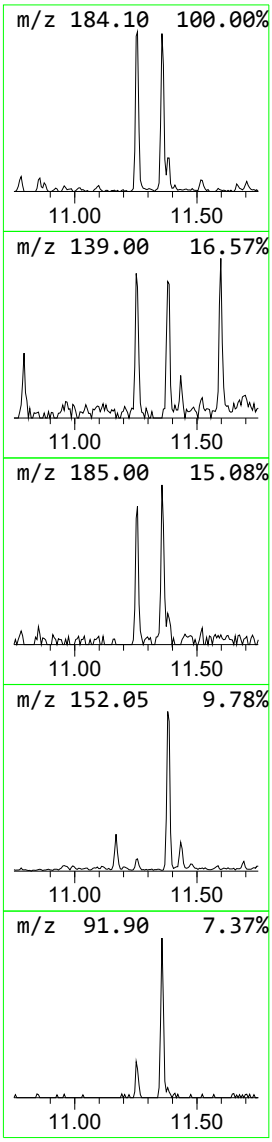
**********

Peak Number 2 Naphtho[2,1-b]thiophene Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.251 | 3.83 ng | 79242 | Phenanthrene-d10 | 11.357 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphtho[2,1-b]thiophene | 184 | C12H8S | 000233-02-3 | 95 |
| 2 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 94 |
| 3 | Naphtho[1,2-b]thiophene | 184 | C12H8S | 000234-41-3 | 93 |
| 4 | Azuleno(2,1-b)thiophene | 184 | C12H8S | 000248-13-5 | 91 |
| 5 | Naphthalene, 2-ethenyl-6-methoxy- | 184 | C13H12O | 063444-51-9 | 72 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072823\
Data File : BF134522.D
Acq On : 28 Jul 2023 18:50
Operator : CG\JU
Sample : 03773-01 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-02-072523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

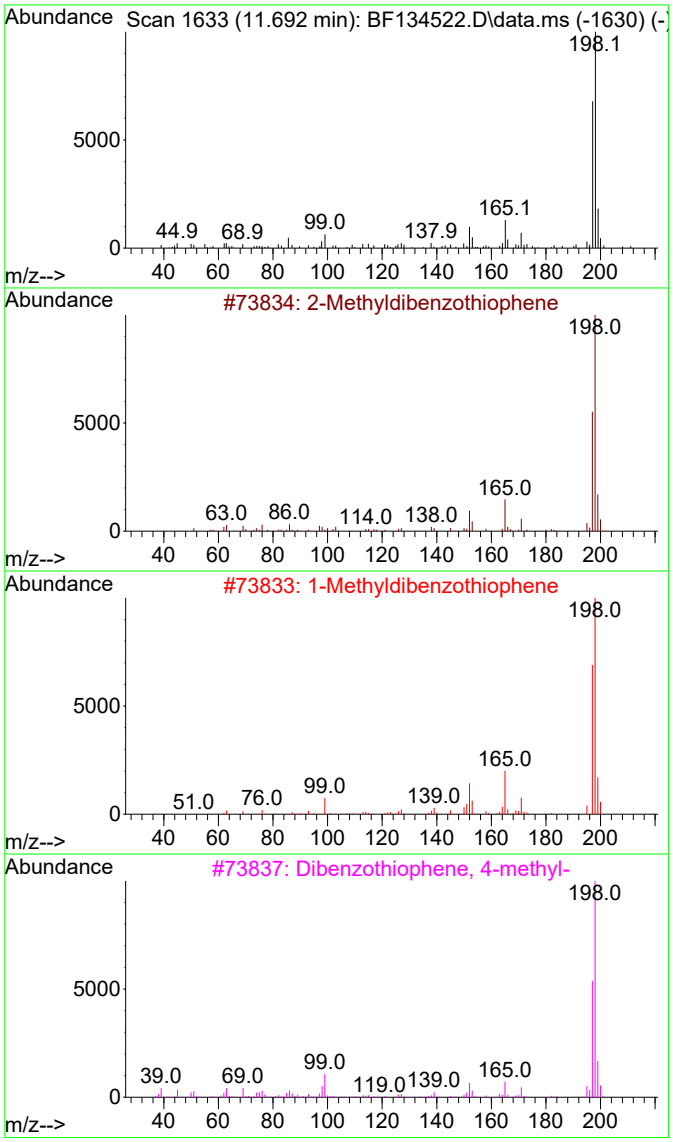
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

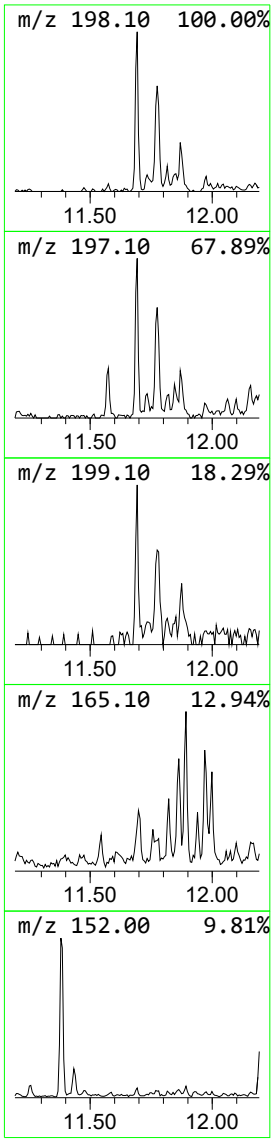
**********

Peak Number 3 2-Methyldibenzothiophene Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.692 | 3.45 ng | 71396 | Phenanthrene-d10 | 11.357 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Methyldibenzothiophene | 198 | C13H10S | 1000383-55-1 | 95 |
| 2 | 1-Methyldibenzothiophene | 198 | C13H10S | 031317-07-4 | 95 |
| 3 | Dibenzothiophene, 4-methyl- | 198 | C13H10S | 007372-88-5 | 91 |
| 4 | Dibenzothiophene, 3-methyl- | 198 | C13H10S | 016587-52-3 | 87 |
| 5 | Pyridine, 4-(4-dimethylaminophen... | 198 | C13H14N2 | 001137-80-0 | 72 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072823\
Data File : BF134522.D
Acq On : 28 Jul 2023 18:50
Operator : CG\JU
Sample : 03773-01 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-02-072523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

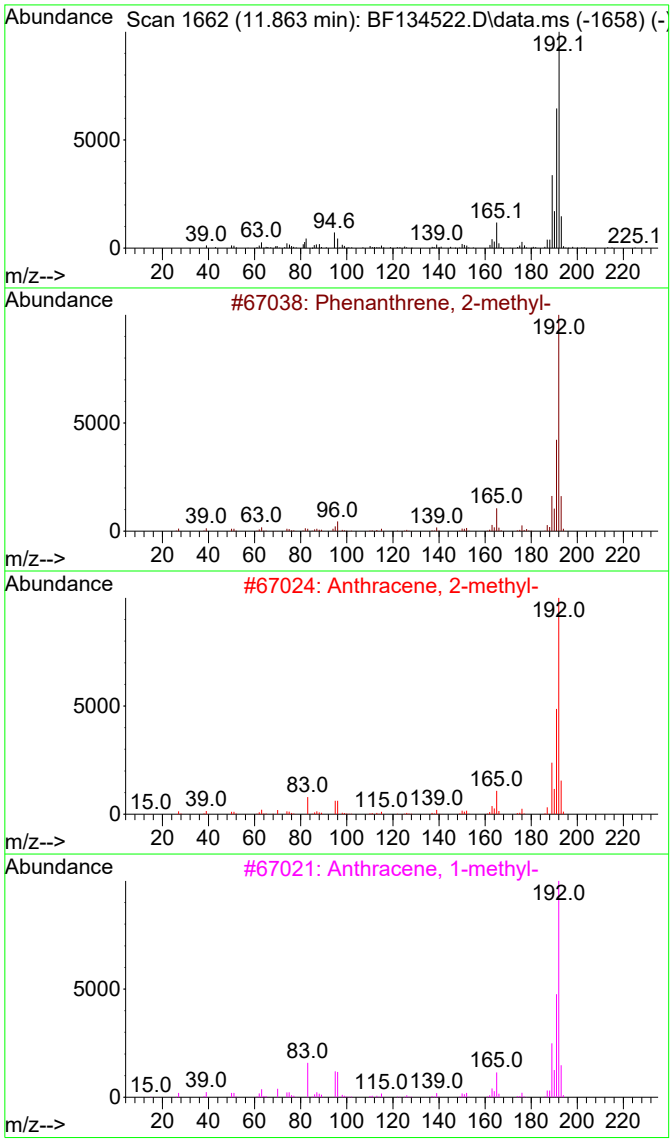
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

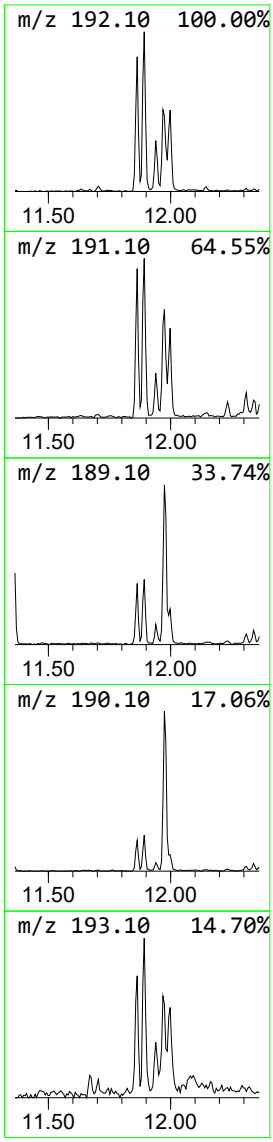
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.863 | 8.34 ng | 172722 | Phenanthrene-d10 | 11.357 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 95 |
| 2 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 95 |
| 3 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 94 |
| 4 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 93 |
| 5 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072823\
Data File : BF134522.D
Acq On : 28 Jul 2023 18:50
Operator : CG\JU
Sample : 03773-01 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-02-072523

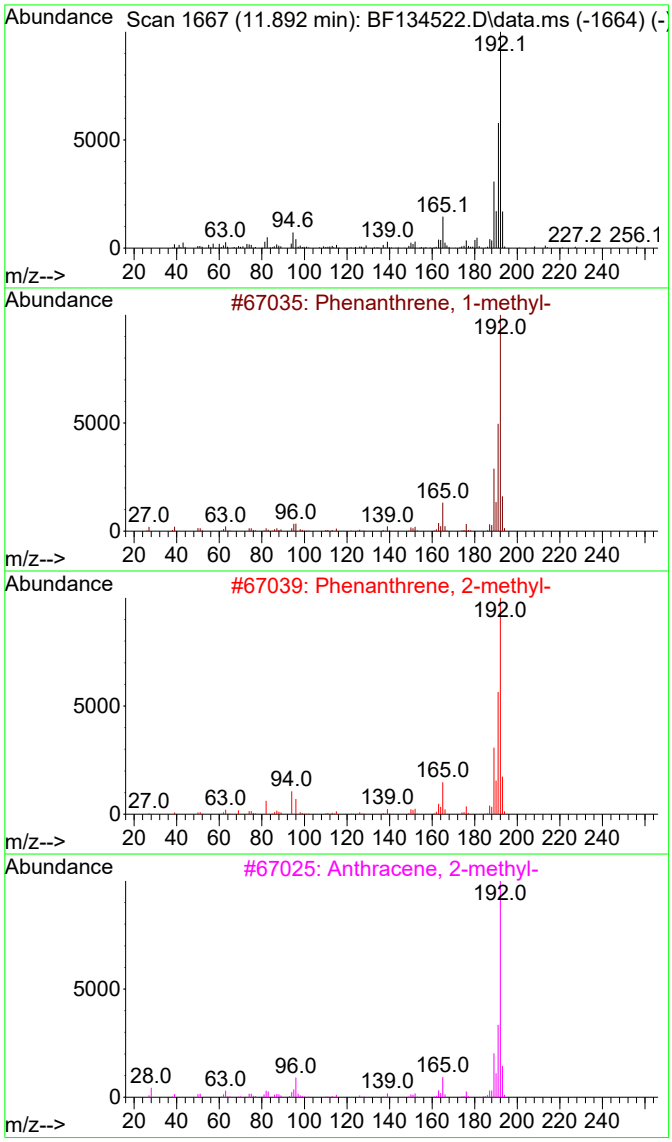
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

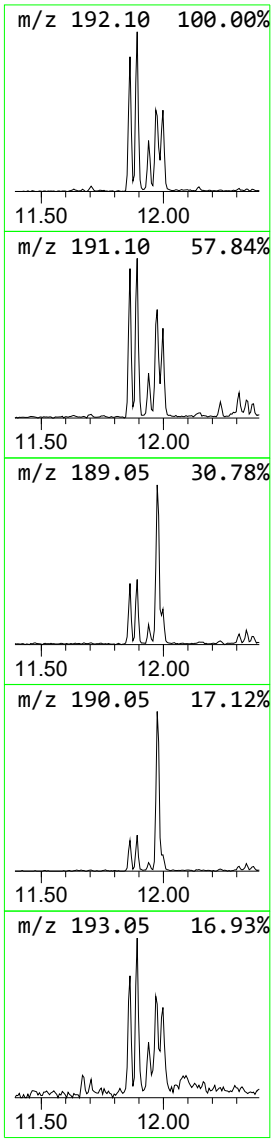
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.892 | 12.38 ng | 256380 | Phenanthrene-d10 | 11.357 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 93 |
| 2 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 93 |
| 3 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 92 |
| 4 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 90 |
| 5 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072823\
Data File : BF134522.D
Acq On : 28 Jul 2023 18:50
Operator : CG\JU
Sample : 03773-01 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-02-072523

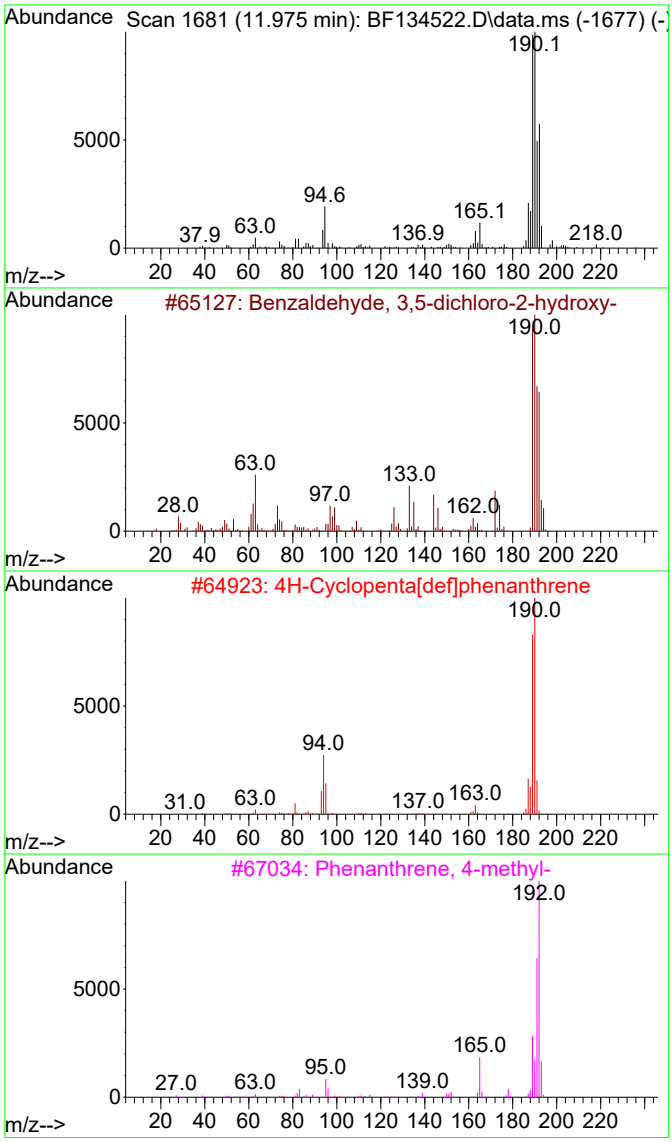
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

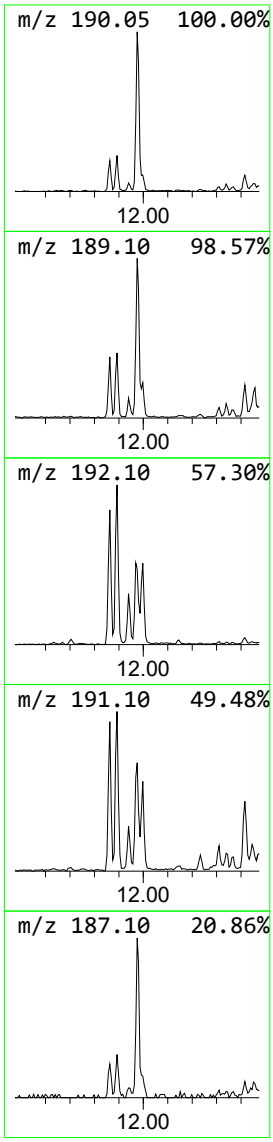
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 Benzaldehyde, 3,5-dichloro-... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.975 | 12.20 ng | 252596 | Phenanthrene-d10 | 11.357 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzaldehyde, 3,5-dichloro-2-hyd... | 190 | C7H4Cl2O2 | 000090-60-8 | 72 |
| 2 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 58 |
| 3 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 35 |
| 4 | Cyclohexanone, 2-(2-furanylmethy... | 190 | C12H14O2 | 056053-07-7 | 22 |
| 5 | 5H-Dibenzo[a,d]cycloheptene | 192 | C15H12 | 000256-81-5 | 20 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072823\
Data File : BF134522.D
Acq On : 28 Jul 2023 18:50
Operator : CG\JU
Sample : 03773-01 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-02-072523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

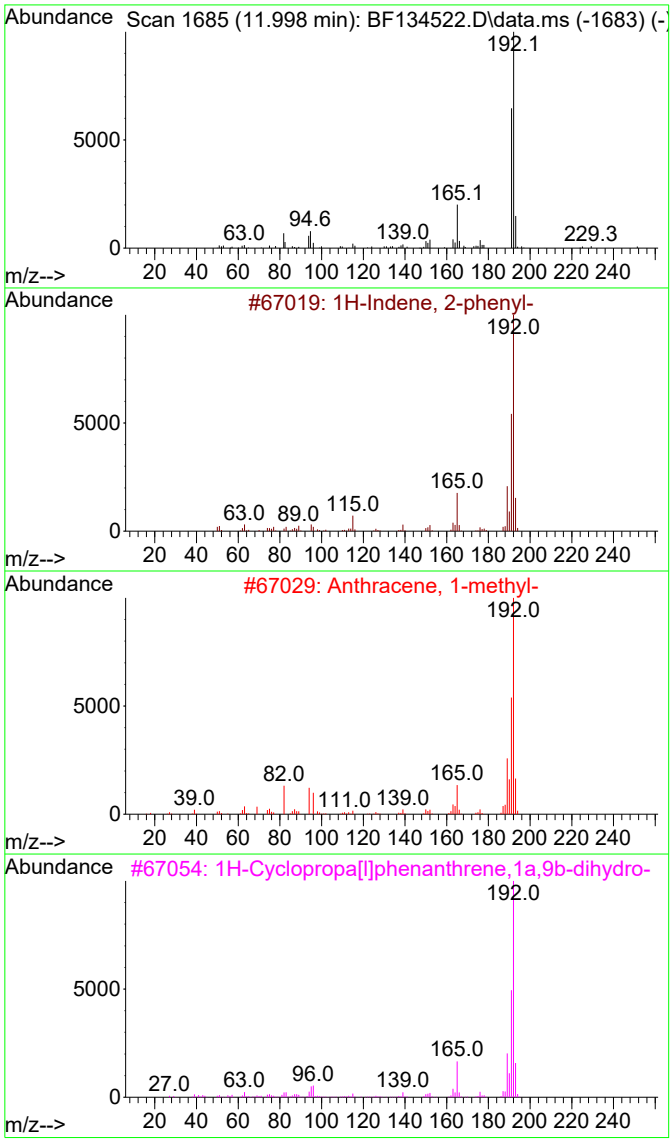
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

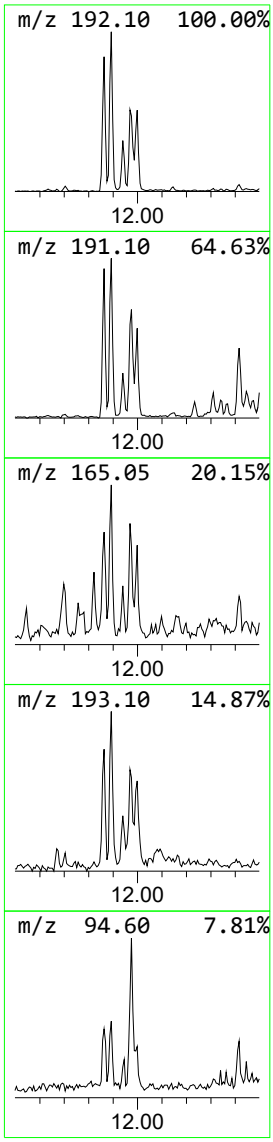
**********

Peak Number 7 1H-Indene, 2-phenyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.998 | 5.07 ng | 105054 | Phenanthrene-d10 | 11.357 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 87 |
| 2 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 83 |
| 3 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 83 |
| 4 | Benzene, 1,1'-(1,2-propadienylid... | 192 | C15H12 | 014251-57-1 | 80 |
| 5 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 80 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072823\
Data File : BF134522.D
Acq On : 28 Jul 2023 18:50
Operator : CG\JU
Sample : 03773-01 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-02-072523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

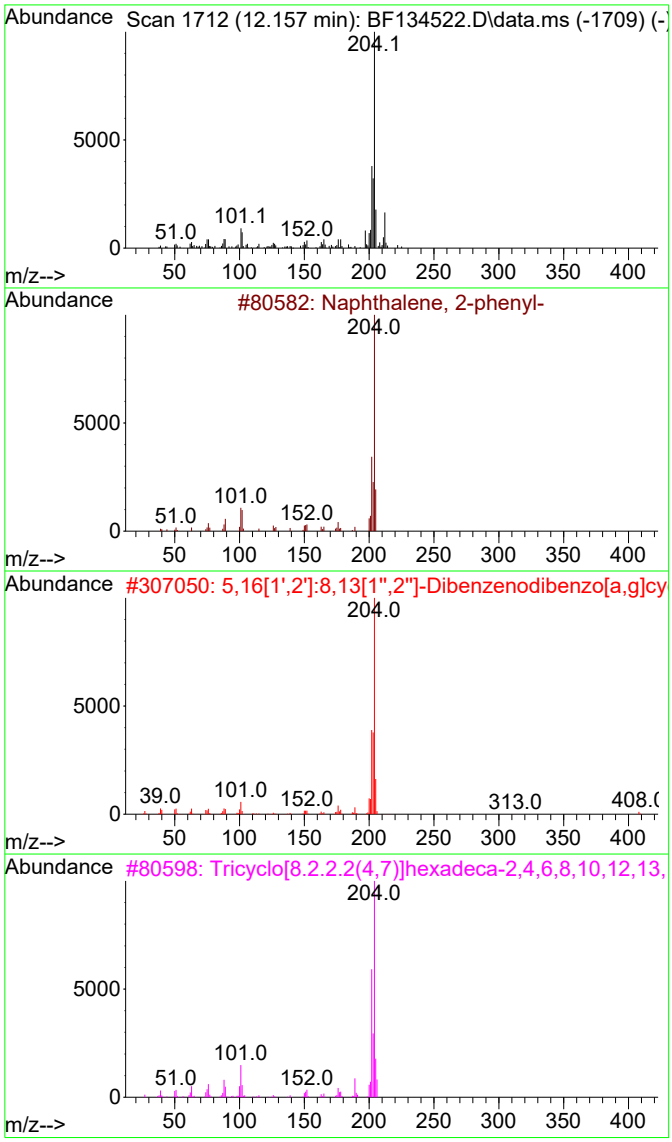
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

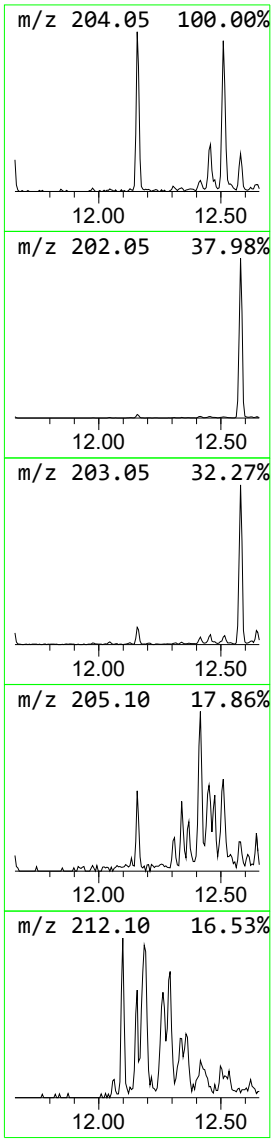
**********

Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.157 | 3.73 ng | 77140 | Phenanthrene-d10 | 11.357 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 91 |
| 2 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 80 |
| 3 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 62 |
| 4 | 6-Cyanophenanthridine | 204 | C14H8N2 | 002176-28-5 | 60 |
| 5 | 5H-Dibenzo[a,d]cycloheptene, 5-m... | 204 | C16H12 | 002975-79-3 | 60 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072823\
Data File : BF134522.D
Acq On : 28 Jul 2023 18:50
Operator : CG\JU
Sample : 03773-01 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-02-072523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

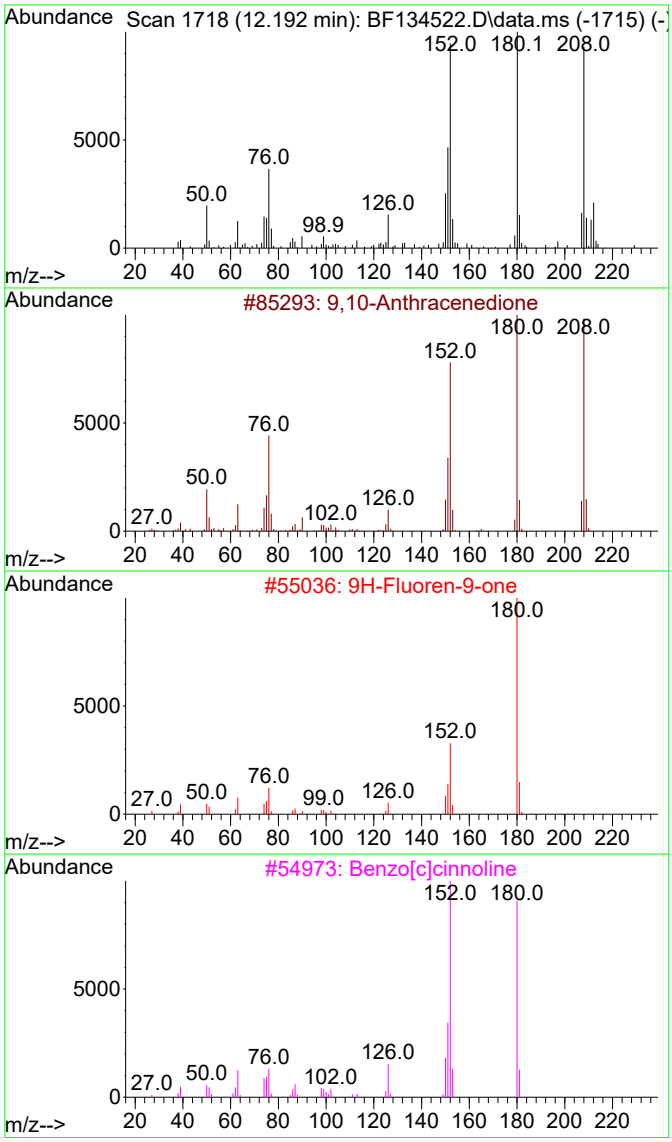
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

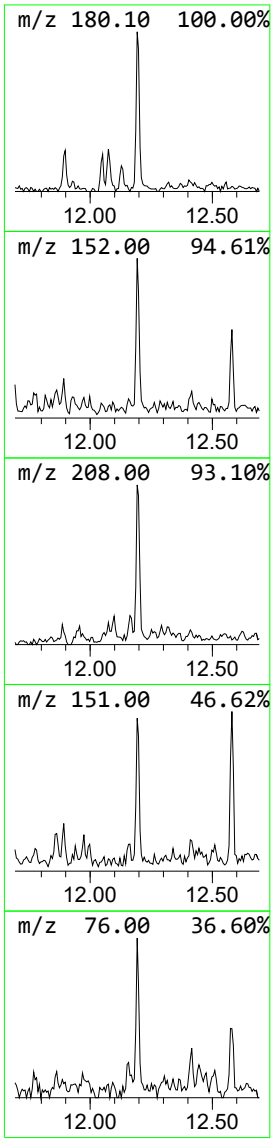
**********

Peak Number 9 9,10-Anthracenedione Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.192 | 4.15 ng | 85834 | Phenanthrene-d10 | 11.357 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 99 |
| 2 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 83 |
| 3 | Benzo[c]cinnoline | 180 | C12H8N2 | 000230-17-1 | 78 |
| 4 | 9,10-Phenanthrenedione | 208 | C14H8O2 | 000084-11-7 | 64 |
| 5 | 1H-Phenalen-1-one | 180 | C13H8O | 000548-39-0 | 55 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072823\
Data File : BF134522.D
Acq On : 28 Jul 2023 18:50
Operator : CG\JU
Sample : 03773-01 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-02-072523

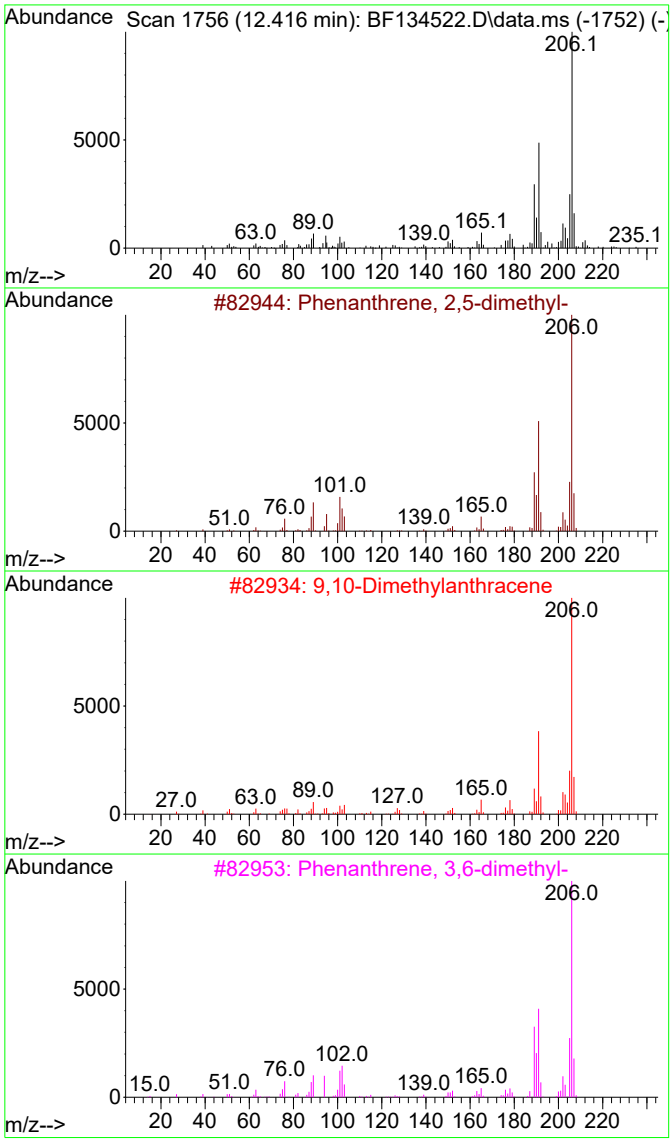
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

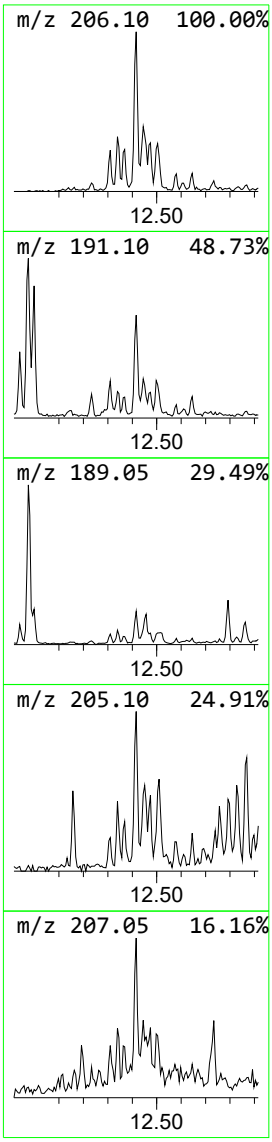
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.416 | 6.46 ng | 133770 | Phenanthrene-d10 | 11.357 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 93 |
| 2 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 92 |
| 3 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 91 |
| 4 | Phenanthrene, 2,7-dimethyl- | 206 | C16H14 | 001576-69-8 | 90 |
| 5 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 83 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072823\
Data File : BF134522.D
Acq On : 28 Jul 2023 18:50
Operator : CG\JU
Sample : 03773-01 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-02-072523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

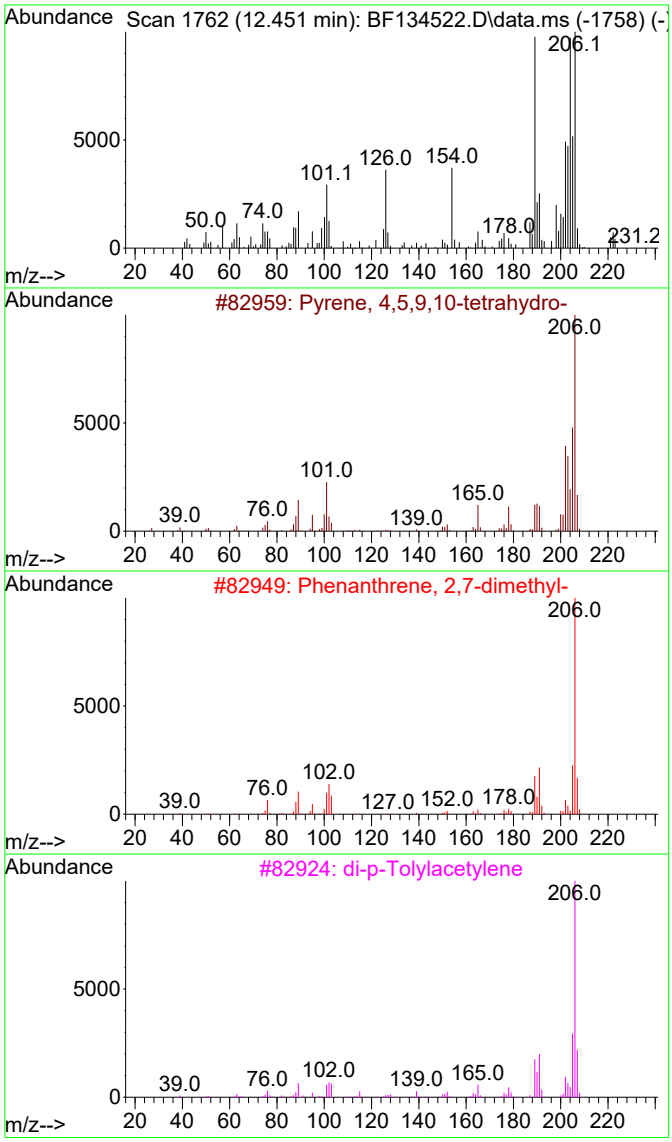
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

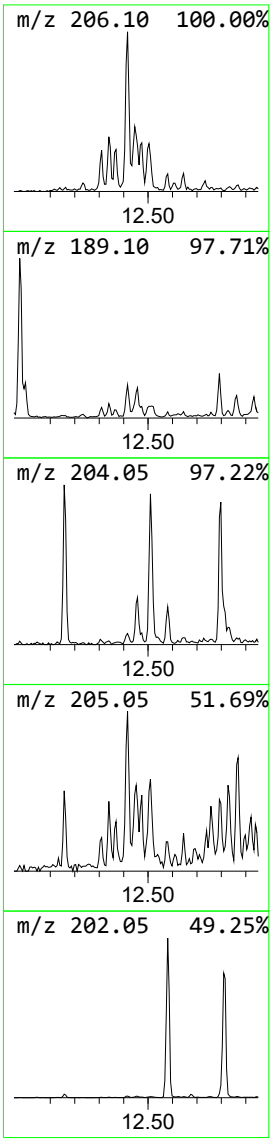
**********

Peak Number 11 unknown12.451 Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.451 | 4.01 ng | 82991 | Phenanthrene-d10 | 11.357 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 4,5,9,10-tetrahydro- | 206 | C16H14 | 000781-17-9 | 38 |
| 2 | Phenanthrene, 2,7-dimethyl- | 206 | C16H14 | 001576-69-8 | 35 |
| 3 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 25 |
| 4 | Benzoic acid, p-[[(dimethylamino... | 206 | C11H14N2O2 | 029390-16-7 | 18 |
| 5 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 18 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072823\
Data File : BF134522.D
Acq On : 28 Jul 2023 18:50
Operator : CG\JU
Sample : 03773-01 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-02-072523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

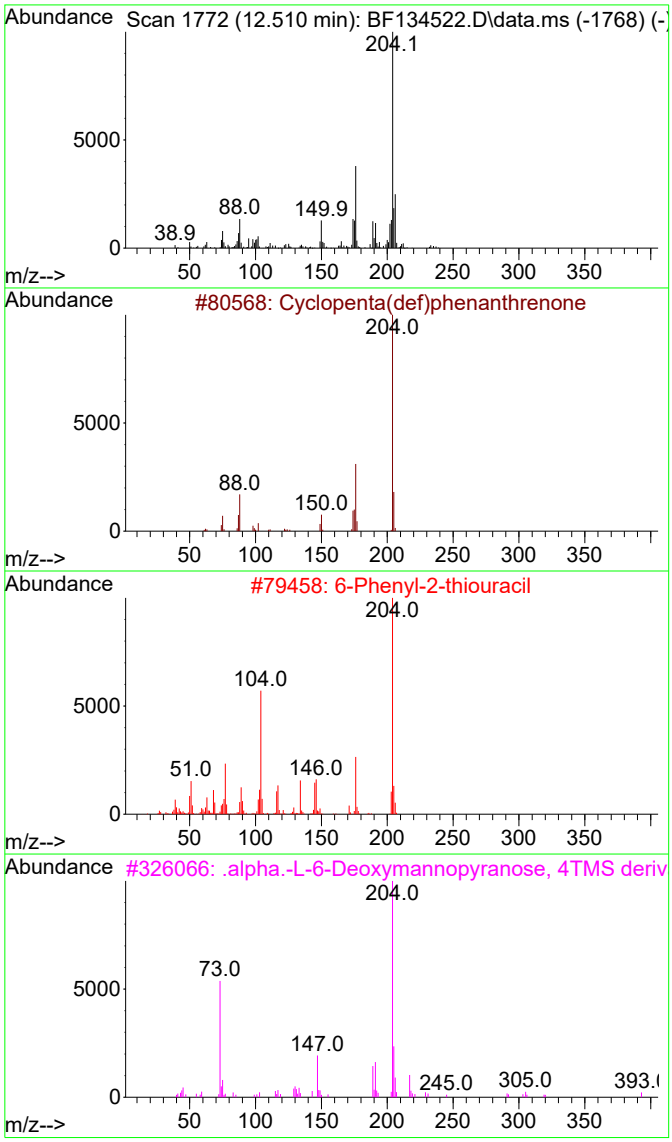
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

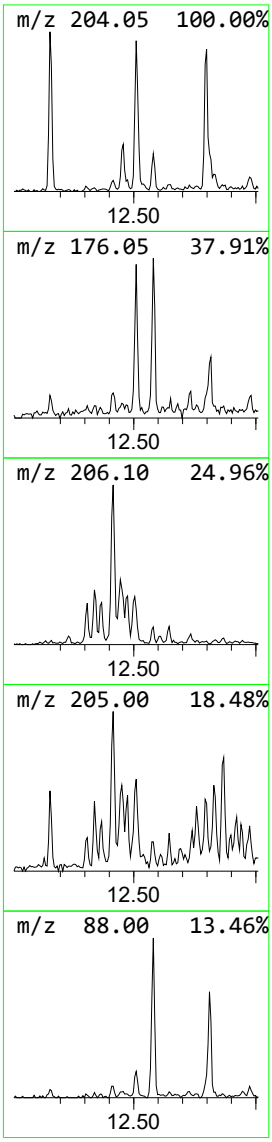
**********

Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.510 | 5.41 ng | 112002 | Phenanthrene-d10 | 11.357 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(def)phenanthrenone | 204 | C15H8O | 005737-13-3 | 86 |
| 2 | 6-Phenyl-2-thiouracil | 204 | C10H8N2OS | 005590-94-3 | 50 |
| 3 | .alpha.-L-6-Deoxymannopyranose, ... | 452 | C18H44O5Si4 | 055057-21-1 | 47 |
| 4 | [1,1'-Biphenyl]-4,4'-dicarbonitrile | 204 | C14H8N2 | 001591-30-6 | 47 |
| 5 | 4-Quinolinol, 5,8-dimethoxy-2-me... | 219 | C12H13NO3 | 1000337-90-3 | 45 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072823\
Data File : BF134522.D
Acq On : 28 Jul 2023 18:50
Operator : CG\JU
Sample : 03773-01 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-02-072523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

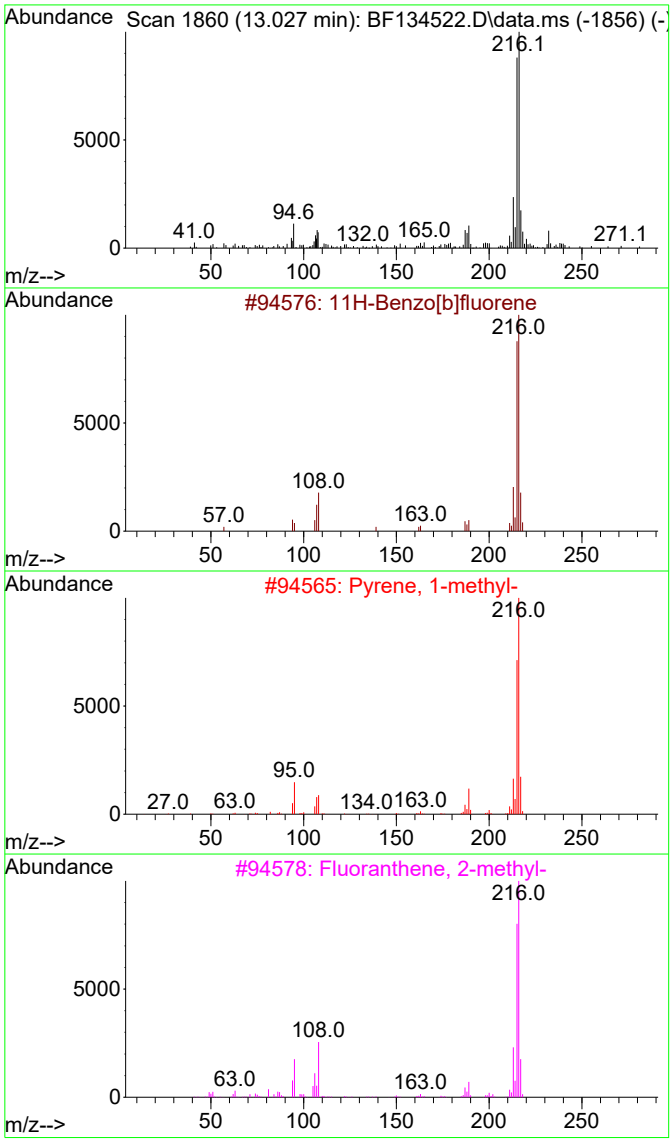
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

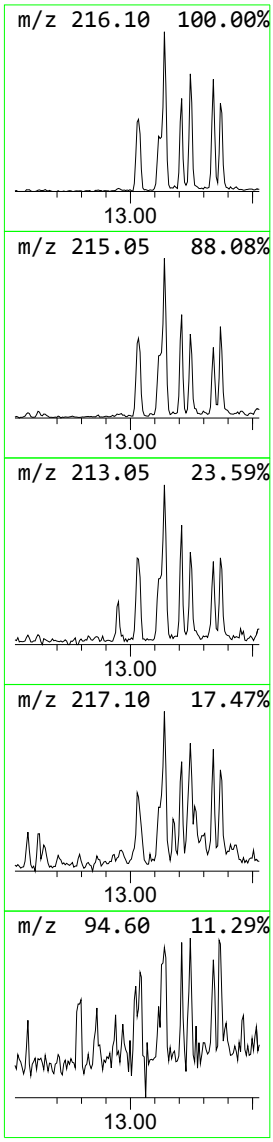
**********

Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.028 | 4.15 ng | 161273 | Chrysene-d12 | 14.022 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 95 |
| 2 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 95 |
| 3 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 87 |
| 4 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 81 |
| 5 | 7H-Benzo[c]fluorene | 216 | C17H12 | 000205-12-9 | 72 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072823\
Data File : BF134522.D
Acq On : 28 Jul 2023 18:50
Operator : CG\JU
Sample : 03773-01 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-02-072523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

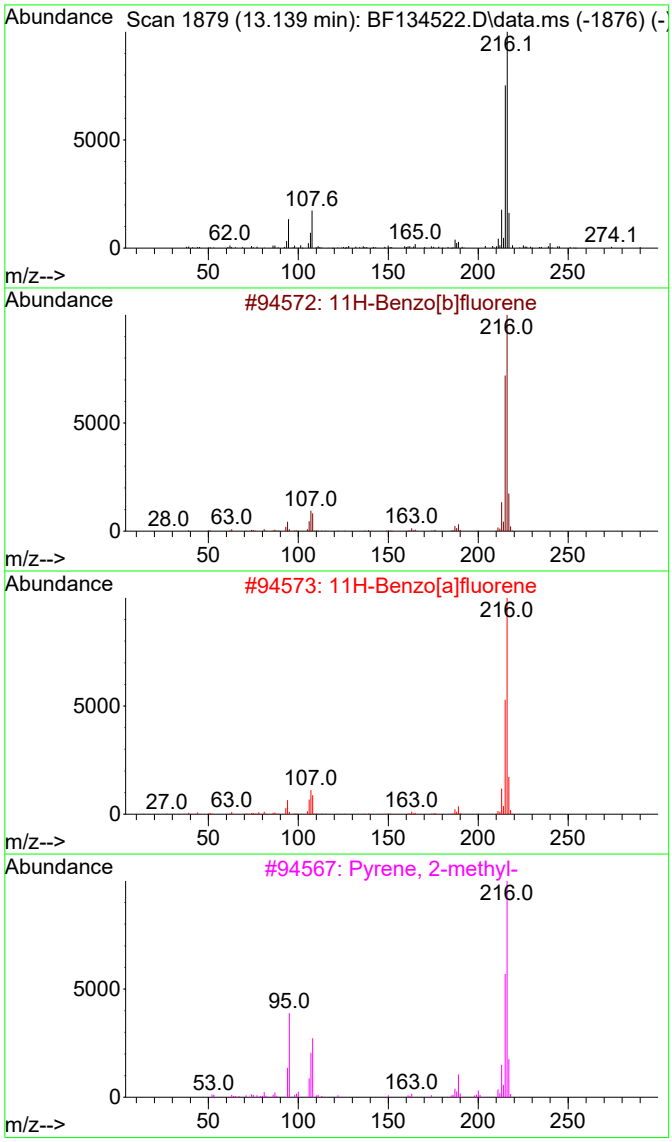
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

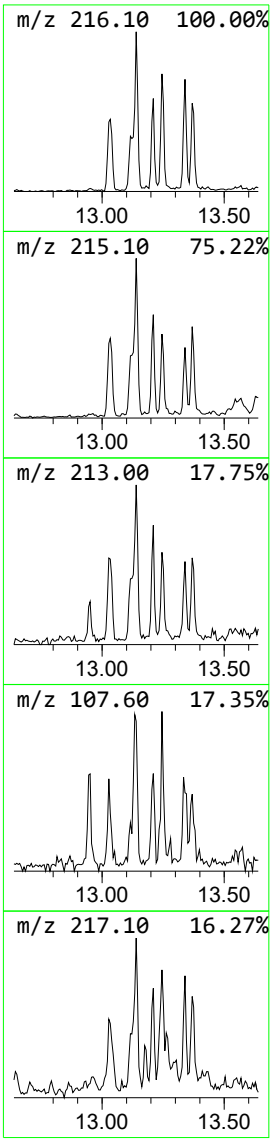
**********

Peak Number 14 11H-Benzo[a]fluorene Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.139 | 4.24 ng | 164919 | Chrysene-d12 | 14.022 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 87 |
| 2 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 86 |
| 3 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 81 |
| 4 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 80 |
| 5 | 7H-Benzo[c]fluorene | 216 | C17H12 | 000205-12-9 | 80 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072823\
Data File : BF134522.D
Acq On : 28 Jul 2023 18:50
Operator : CG\JU
Sample : 03773-01 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-02-072523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

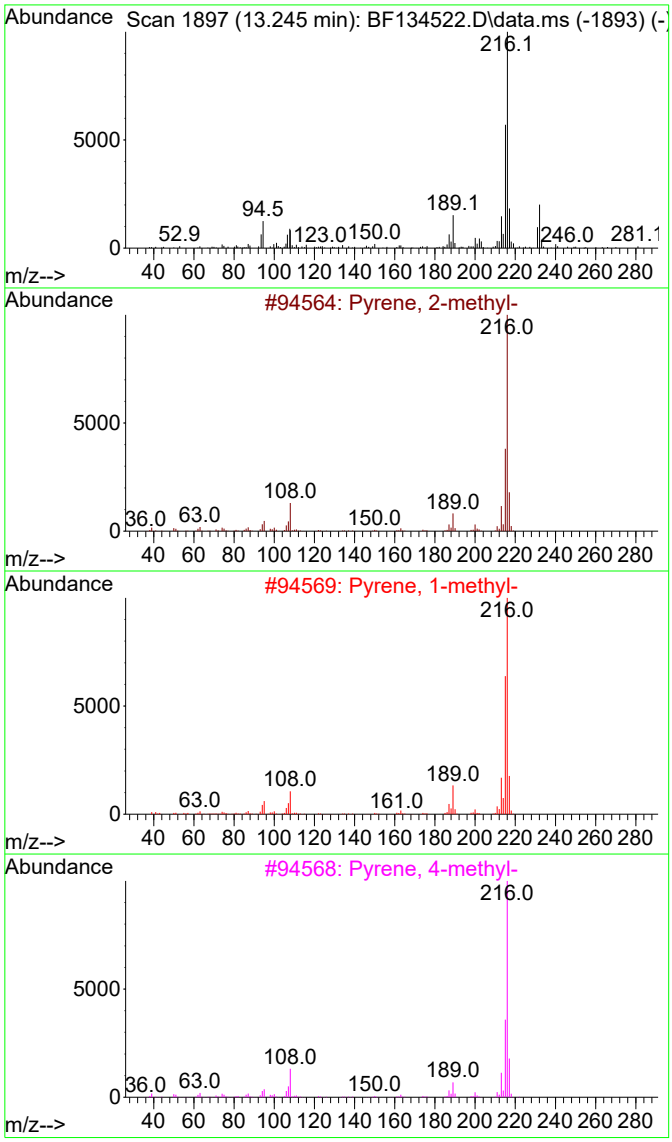
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

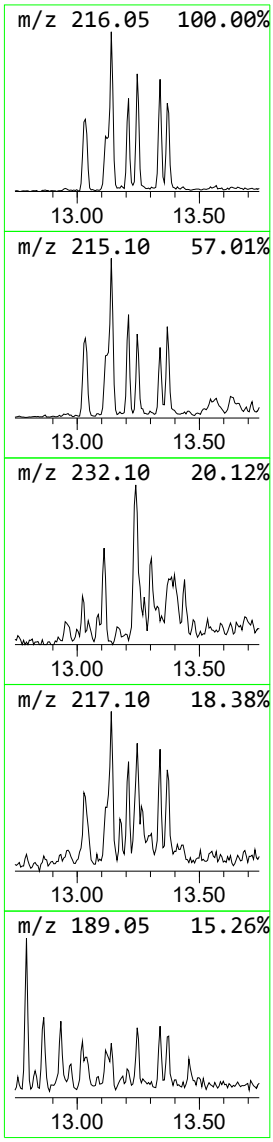
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.245 | 3.33 ng | 129732 | Chrysene-d12 | 14.022 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 93 |
| 2 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 93 |
| 3 | Pyrene, 4-methyl- | 216 | C17H12 | 003353-12-6 | 92 |
| 4 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 81 |
| 5 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 76 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072823\
Data File : BF134522.D
Acq On : 28 Jul 2023 18:50
Operator : CG\JU
Sample : 03773-01 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-02-072523

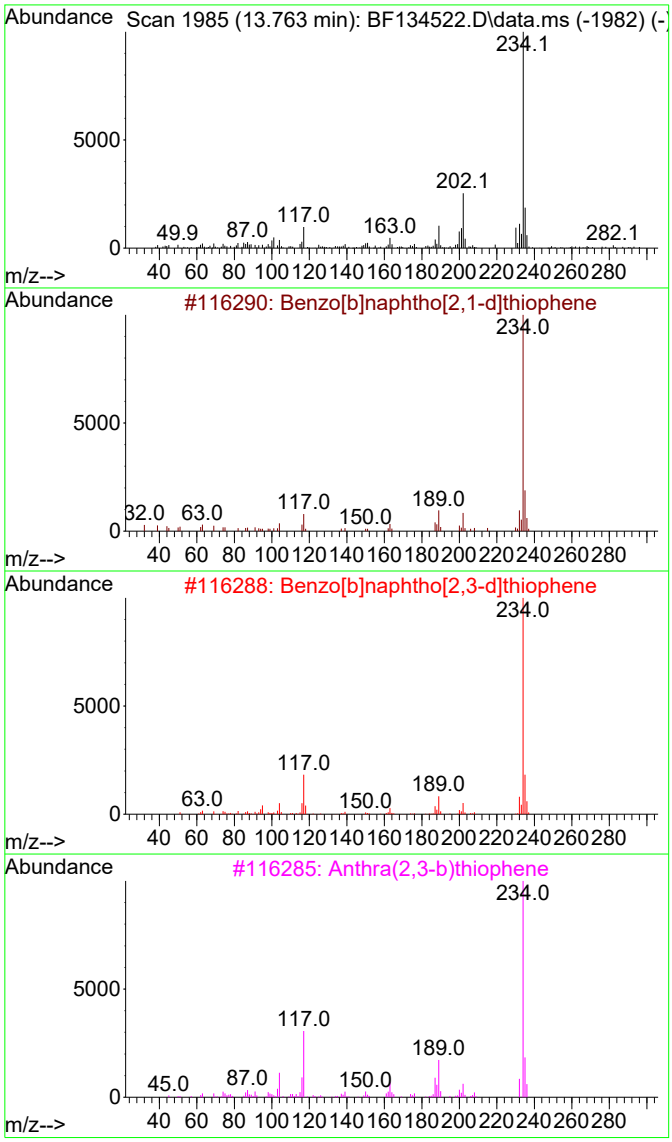
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

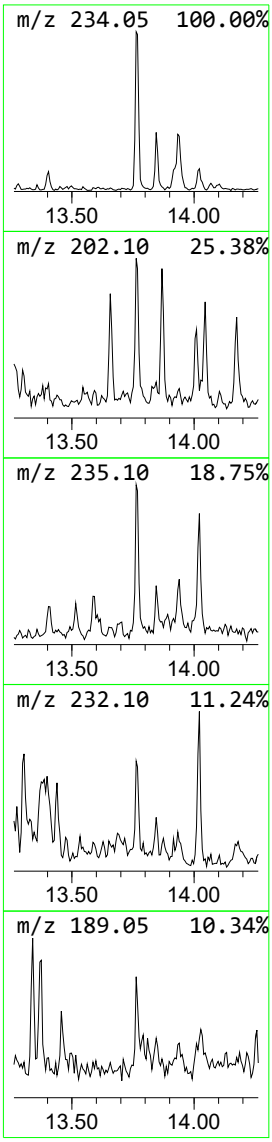
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 16 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.763 | 3.14 ng | 122219 | Chrysene-d12 | 14.022 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[b]naphtho[2,1-d]thiophene | 234 | C16H10S | 000239-35-0 | 81 |
| 2 | Benzo[b]naphtho[2,3-d]thiophene | 234 | C16H10S | 000243-46-9 | 76 |
| 3 | Anthra(2,3-b)thiophene | 234 | C16H10S | 022108-55-0 | 64 |
| 4 | Benzo[b]naphtho[1,2-d]thiophene | 234 | C16H10S | 000205-43-6 | 58 |
| 5 | Phenanthro(2,1-b)thiophene | 234 | C16H10S | 000219-25-0 | 58 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072823\
Data File : BF134522.D
Acq On : 28 Jul 2023 18:50
Operator : CG\JU
Sample : 03773-01 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-02-072523

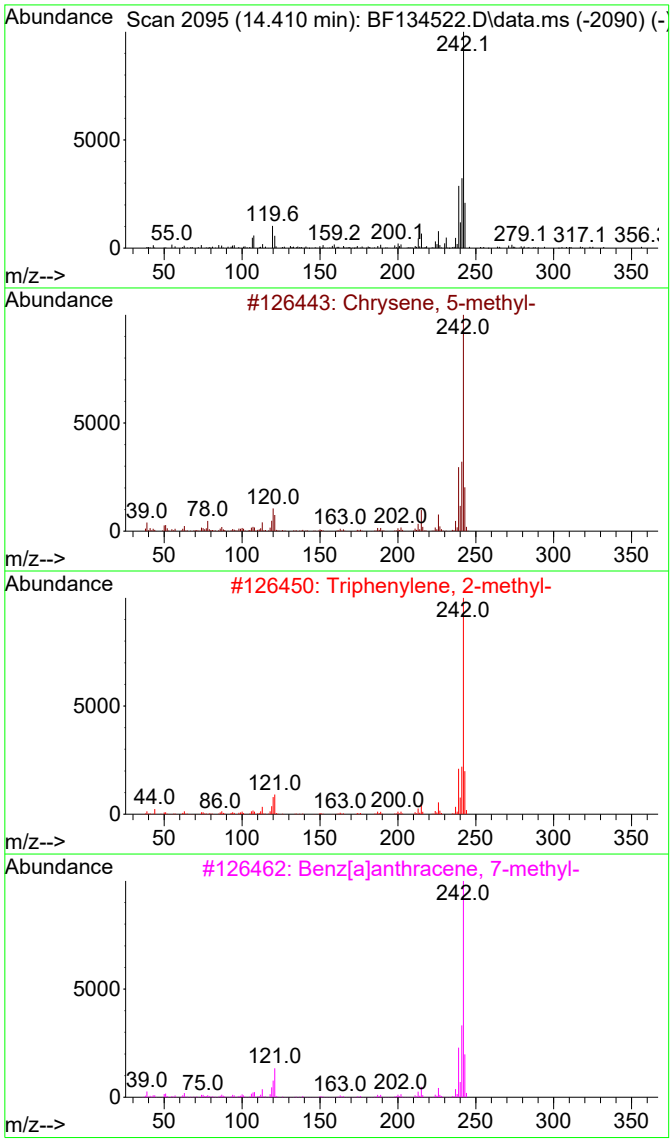
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

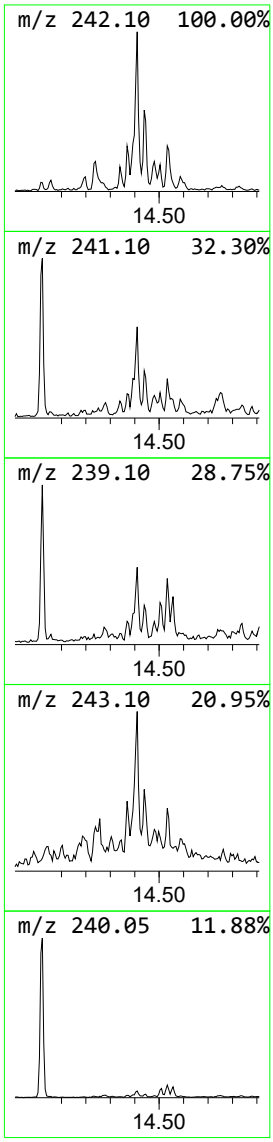
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 17 Chrysene, 5-methyl- Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.410 | 3.07 ng | 119399 | Chrysene-d12 | 14.022 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Chrysene, 5-methyl- | 242 | C19H14 | 003697-24-3 | 90 |
| 2 | Triphenylene, 2-methyl- | 242 | C19H14 | 001705-84-6 | 90 |
| 3 | Benz[a]anthracene, 7-methyl- | 242 | C19H14 | 002541-69-7 | 90 |
| 4 | Chrysene, 1-methyl- | 242 | C19H14 | 003351-28-8 | 87 |
| 5 | 2-Methylchrysene | 242 | C19H14 | 003351-32-4 | 76 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072823\
Data File : BF134522.D
Acq On : 28 Jul 2023 18:50
Operator : CG\JU
Sample : 03773-01 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-02-072523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

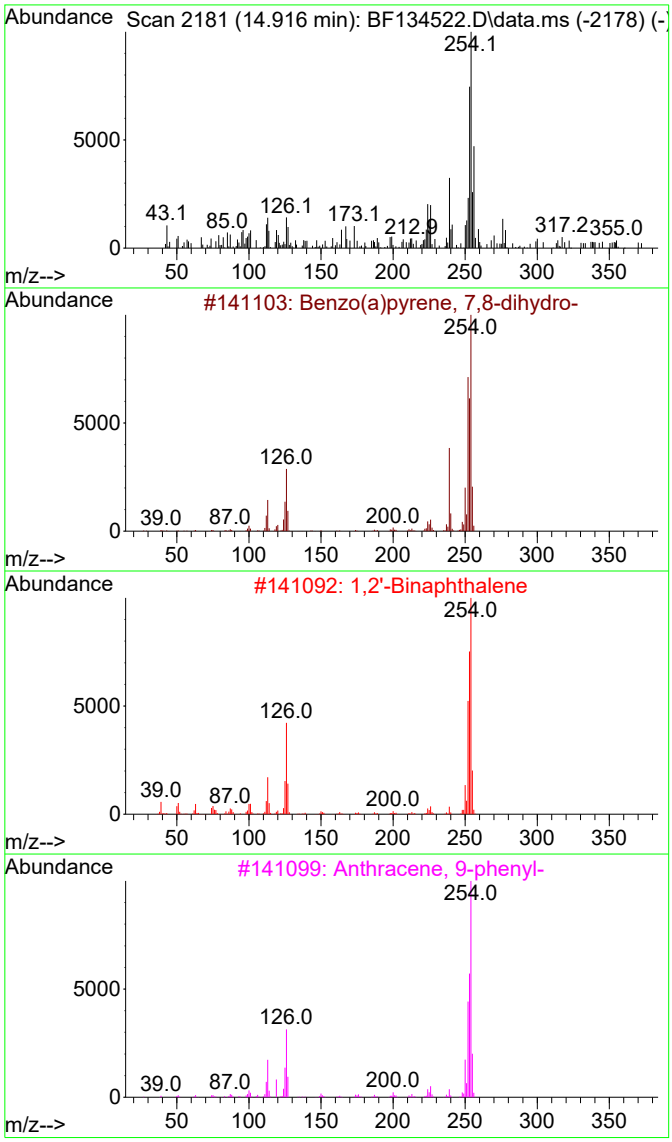
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

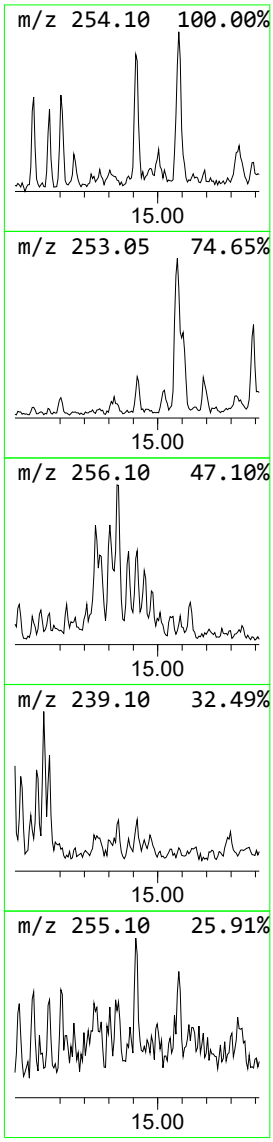
**********

Peak Number 18 Benzo(a)pyrene, 7,8-dihydro- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.916 | 4.03 ng | 56031 | Perylene-d12 | 15.521 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo(a)pyrene, 7,8-dihydro- | 254 | C20H14 | 017573-23-8 | 86 |
| 2 | 1,2'-Binaphthalene | 254 | C20H14 | 004325-74-0 | 58 |
| 3 | Anthracene, 9-phenyl- | 254 | C20H14 | 000602-55-1 | 58 |
| 4 | 1,1'-Binaphthalene | 254 | C20H14 | 000604-53-5 | 58 |
| 5 | Benzo(e)pyrene, 9,10-dihydro- | 254 | C20H14 | 066788-01-0 | 55 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072823\
Data File : BF134522.D
Acq On : 28 Jul 2023 18:50
Operator : CG\JU
Sample : 03773-01 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-02-072523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

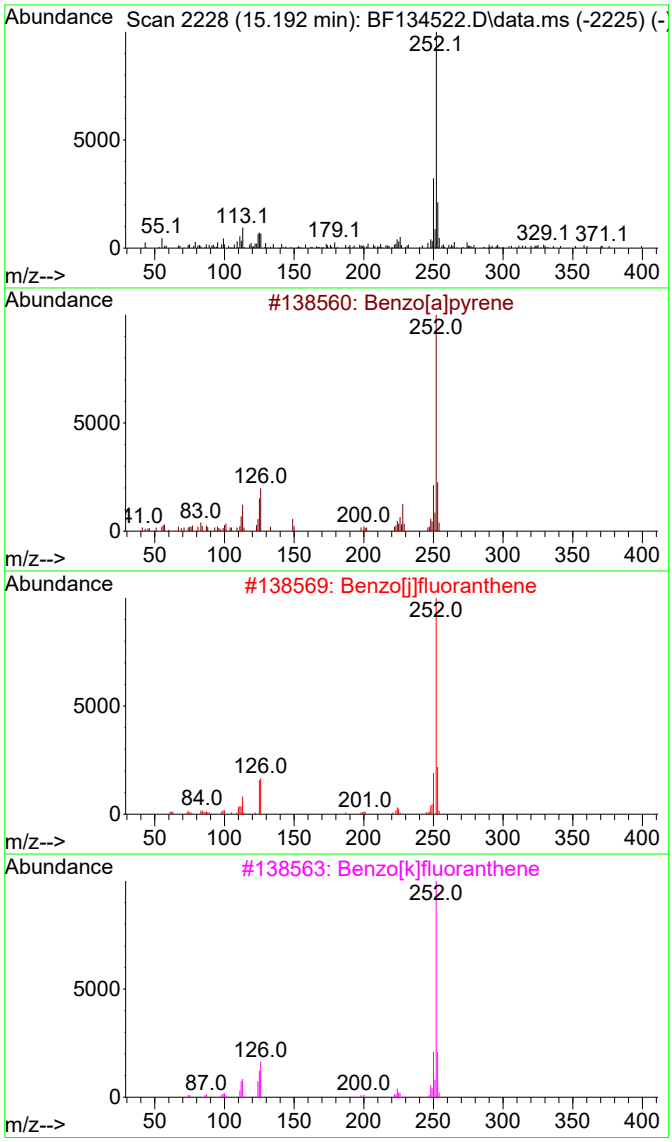
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

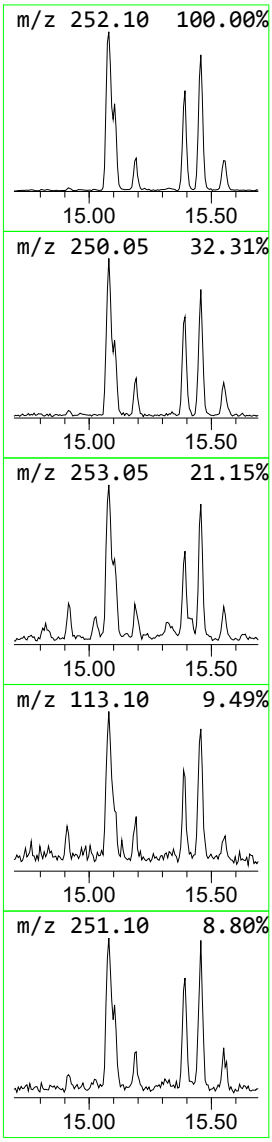
**********

Peak Number 19 Benzo[a]pyrene Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.192 | 4.39 ng | 61135 | Perylene-d12 | 15.521 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 90 |
| 2 | Benzo[j]fluoranthene | 252 | C20H12 | 000205-82-3 | 90 |
| 3 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 90 |
| 4 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 81 |
| 5 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 74 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072823\
Data File : BF134522.D
Acq On : 28 Jul 2023 18:50
Operator : CG\JU
Sample : 03773-01 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-02-072523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

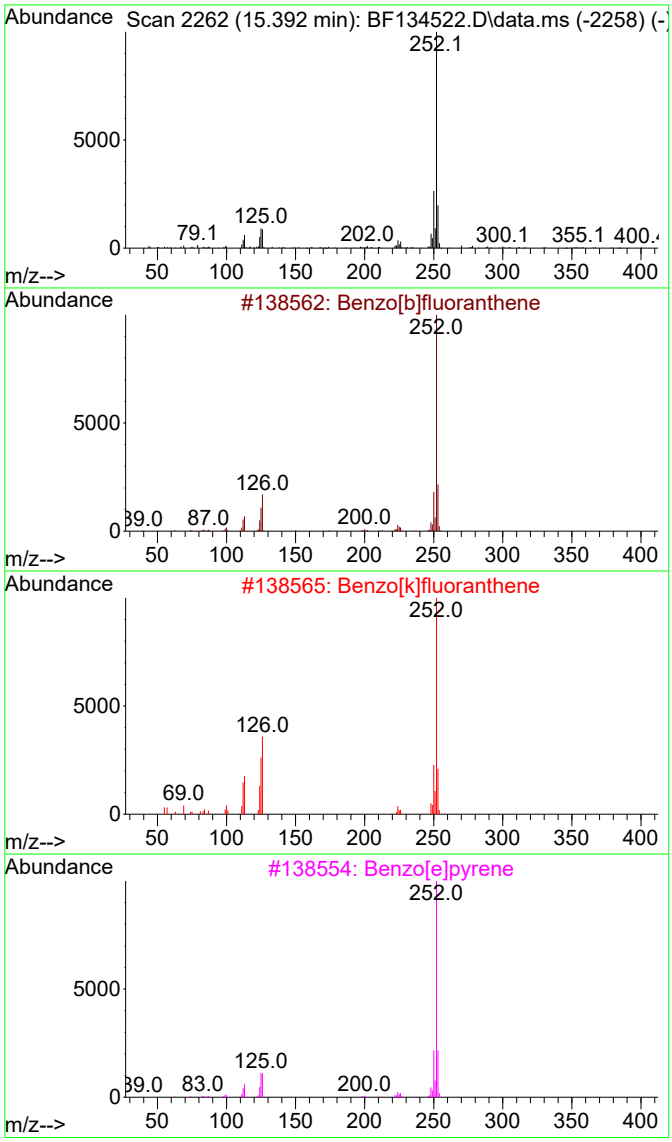
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

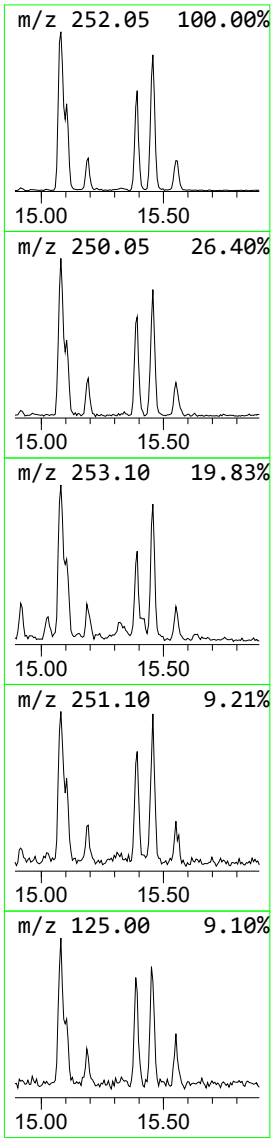
**********

Peak Number 20 Benzo[b]fluoranthene Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.392 | 11.41 ng | 158802 | Perylene-d12 | 15.521 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 96 |
| 2 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 95 |
| 3 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 95 |
| 4 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 95 |
| 5 | Perylene | 252 | C20H12 | 000198-55-0 | 90 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072823\
Data File : BF134522.D
Acq On : 28 Jul 2023 18:50
Operator : CG\JU
Sample : 03773-01 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-02-072523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.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 |
| Chamazulene | 10.775 | 2.6 | ng | 54302 | 4 | 11.357 | 414069 | 20.0 |
| Naphtho[2,1-b]t... | 11.251 | 3.8 | ng | 79242 | 4 | 11.357 | 414069 | 20.0 |
| 2-Methyldibenzo... | 11.692 | 3.5 | ng | 71396 | 4 | 11.357 | 414069 | 20.0 |
| Phenanthrene, 2... | 11.863 | 8.3 | ng | 172722 | 4 | 11.357 | 414069 | 20.0 |
| Phenanthrene, 1... | 11.892 | 12.4 | ng | 256380 | 4 | 11.357 | 414069 | 20.0 |
| Benzaldehyde, 3... | 11.975 | 12.2 | ng | 252596 | 4 | 11.357 | 414069 | 20.0 |
| 1H-Indene, 2-ph... | 11.998 | 5.1 | ng | 105054 | 4 | 11.357 | 414069 | 20.0 |
| Naphthalene, 2-... | 12.157 | 3.7 | ng | 77140 | 4 | 11.357 | 414069 | 20.0 |
| 9,10-Anthracene... | 12.192 | 4.2 | ng | 85834 | 4 | 11.357 | 414069 | 20.0 |
| Phenanthrene, 2... | 12.416 | 6.5 | ng | 133770 | 4 | 11.357 | 414069 | 20.0 |
| unknown12.451 | 12.451 | 4.0 | ng | 82991 | 4 | 11.357 | 414069 | 20.0 |
| Cyclopenta(def)... | 12.510 | 5.4 | ng | 112002 | 4 | 11.357 | 414069 | 20.0 |
| 11H-Benzo[b]flu... | 13.028 | 4.2 | ng | 161273 | 5 | 14.022 | 778060 | 20.0 |
| 11H-Benzo[a]flu... | 13.139 | 4.2 | ng | 164919 | 5 | 14.022 | 778060 | 20.0 |
| Pyrene, 2-methyl- | 13.245 | 3.3 | ng | 129732 | 5 | 14.022 | 778060 | 20.0 |
| Benzo[b]naphtho... | 13.763 | 3.1 | ng | 122219 | 5 | 14.022 | 778060 | 20.0 |
| Chrysene, 5-met... | 14.410 | 3.1 | ng | 119399 | 5 | 14.022 | 778060 | 20.0 |
| Benzo(a)pyrene,... | 14.916 | 4.0 | ng | 56031 | 6 | 15.521 | 278286 | 20.0 |
| Benzo[a]pyrene | 15.192 | 4.4 | ng | 61135 | 6 | 15.521 | 278286 | 20.0 |
| Benzo[b]fluoran... | 15.392 | 11.4 | ng | 158802 | 6 | 15.521 | 278286 | 20.0 |