LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022822\
Data File : BF127109.D
Acq On : 28 Feb 2022 19:38
Operator : CG\JU
Sample : N1681-04 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-2-1-8FT

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-BF021622.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF127109.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.975 | 283 | 287 | 293 | rVB | 13292 | 17242 | 1.65% | 0.108% |
| 2 | 5.516 | 545 | 549 | 555 | rBV | 1057636 | 906412 | 86.90% | 5.658% |
| 3 | 6.522 | 716 | 720 | 728 | rVB | 1158349 | 956175 | 91.67% | 5.968% |
| 4 | 6.898 | 781 | 784 | 788 | rBV | 897776 | 749904 | 71.89% | 4.681% |
| 5 | 7.463 | 876 | 880 | 883 | rBV | 780637 | 641200 | 61.47% | 4.002% |
| 6 | 8.187 | 999 | 1003 | 1006 | rBV | 1198441 | 958416 | 91.88% | 5.982% |
| 7 | 8.898 | 1121 | 1124 | 1127 | rBV | 24938 | 19497 | 1.87% | 0.122% |
| 8 | 8.998 | 1138 | 1141 | 1143 | rVB | 28814 | 22852 | 2.19% | 0.143% |
| 9 | 9.257 | 1181 | 1185 | 1188 | rBV | 1395292 | 1043111 | 100.00% | 6.511% |
| 10 | 9.357 | 1200 | 1202 | 1206 | rBV3 | 18209 | 17094 | 1.64% | 0.107% |
| 11 | 9.528 | 1227 | 1231 | 1234 | rBV4 | 11544 | 13913 | 1.33% | 0.087% |
| 12 | 9.598 | 1239 | 1243 | 1245 | rBV | 28723 | 30923 | 2.96% | 0.193% |
| 13 | 9.716 | 1260 | 1263 | 1265 | rBV | 16842 | 14424 | 1.38% | 0.090% |
| 14 | 9.804 | 1275 | 1278 | 1280 | rBV | 21674 | 19884 | 1.91% | 0.124% |
| 15 | 9.857 | 1284 | 1287 | 1291 | rVB | 14317 | 15912 | 1.53% | 0.099% |
| 16 | 9.945 | 1298 | 1302 | 1305 | rBV | 1002471 | 901029 | 86.38% | 5.624% |
| 17 | 9.975 | 1305 | 1307 | 1311 | rVB | 156774 | 115720 | 11.09% | 0.722% |
| 18 | 10.098 | 1322 | 1328 | 1330 | rBV4 | 11421 | 13694 | 1.31% | 0.085% |
| 19 | 10.145 | 1330 | 1336 | 1340 | rBV | 81730 | 79696 | 7.64% | 0.497% |
| 20 | 10.339 | 1365 | 1369 | 1370 | rBV | 16564 | 18007 | 1.73% | 0.112% |
| 21 | 10.357 | 1370 | 1372 | 1375 | rVB2 | 19819 | 21720 | 2.08% | 0.136% |
| 22 | 10.492 | 1388 | 1395 | 1399 | rVB | 68586 | 71405 | 6.85% | 0.446% |
| 23 | 10.575 | 1407 | 1409 | 1412 | rVB3 | 17233 | 13831 | 1.33% | 0.086% |
| 24 | 10.645 | 1419 | 1421 | 1426 | rVB | 27242 | 22551 | 2.16% | 0.141% |
| 25 | 10.704 | 1428 | 1431 | 1432 | rBV2 | 19532 | 15294 | 1.47% | 0.095% |
| 26 | 10.728 | 1432 | 1435 | 1439 | rVB | 575351 | 505398 | 48.45% | 3.155% |
| 27 | 10.839 | 1451 | 1454 | 1456 | rBV2 | 21012 | 23591 | 2.26% | 0.147% |
| 28 | 11.022 | 1482 | 1485 | 1487 | rBV4 | 16595 | 21646 | 2.08% | 0.135% |
| 29 | 11.163 | 1505 | 1509 | 1511 | rBV4 | 13851 | 16597 | 1.59% | 0.104% |
| 30 | 11.233 | 1518 | 1521 | 1525 | rVB | 72827 | 64854 | 6.22% | 0.405% |
| 31 | 11.281 | 1525 | 1529 | 1532 | rBV3 | 23176 | 28679 | 2.75% | 0.179% |
| 32 | 11.328 | 1532 | 1537 | 1541 | rVB | 57684 | 63034 | 6.04% | 0.393% |
| 33 | 11.375 | 1541 | 1545 | 1548 | rBV6 | 18447 | 20431 | 1.96% | 0.128% |
| 34 | 11.433 | 1551 | 1555 | 1557 | rBV | 895955 | 741349 | 71.07% | 4.628% |
| 35 | 11.457 | 1557 | 1559 | 1562 | rVV | 846904 | 617731 | 59.22% | 3.856% |
| 36 | 11.510 | 1562 | 1568 | 1570 | rVB | 116181 | 104121 | 9.98% | 0.650% |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022822\
Data File : BF127109.D
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Operator : CG\JU
Sample : N1681-04 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-2-1-8FT

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-BF021622.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 11.592 | 1579 | 1582 | 1583 | rBV2 | 13757 | 13638 | 1.31% | 0.085% |
| 38 | 11.663 | 1590 | 1594 | 1599 | rBV2 | 99889 | 101849 | 9.76% | 0.636% |
| 39 | 11.728 | 1603 | 1605 | 1608 | rVB4 | 19301 | 16288 | 1.56% | 0.102% |
| 40 | 11.763 | 1608 | 1611 | 1615 | rBV3 | 26768 | 31963 | 3.06% | 0.200% |
| 41 | 11.810 | 1617 | 1619 | 1623 | rVB4 | 13809 | 15684 | 1.50% | 0.098% |
| 42 | 11.886 | 1629 | 1632 | 1635 | rBV5 | 15149 | 16085 | 1.54% | 0.100% |
| 43 | 11.933 | 1637 | 1640 | 1643 | rVV2 | 92880 | 132263 | 12.68% | 0.826% |
| 44 | 11.963 | 1643 | 1645 | 1648 | rVV | 125220 | 106884 | 10.25% | 0.667% |
| 45 | 12.010 | 1651 | 1653 | 1656 | rVB | 33537 | 24872 | 2.38% | 0.155% |
| 46 | 12.045 | 1656 | 1659 | 1662 | rBV2 | 104437 | 130685 | 12.53% | 0.816% |
| 47 | 12.069 | 1662 | 1663 | 1666 | rVB | 70198 | 42352 | 4.06% | 0.264% |
| 48 | 12.116 | 1669 | 1671 | 1673 | rBV2 | 14868 | 15251 | 1.46% | 0.095% |
| 49 | 12.228 | 1687 | 1690 | 1692 | rBV | 57386 | 49212 | 4.72% | 0.307% |
| 50 | 12.257 | 1692 | 1695 | 1698 | rVB | 115228 | 90446 | 8.67% | 0.565% |
| 51 | 12.380 | 1714 | 1716 | 1718 | rBV2 | 20189 | 15955 | 1.53% | 0.100% |
| 52 | 12.410 | 1719 | 1721 | 1723 | rVB | 20723 | 15674 | 1.50% | 0.098% |
| 53 | 12.486 | 1730 | 1734 | 1737 | rBV2 | 52380 | 72736 | 6.97% | 0.454% |
| 54 | 12.569 | 1745 | 1748 | 1753 | rBV | 54893 | 61439 | 5.89% | 0.384% |
| 55 | 12.651 | 1758 | 1762 | 1765 | rVV | 1077060 | 868510 | 83.26% | 5.421% |
| 56 | 12.710 | 1770 | 1772 | 1774 | rVV3 | 18234 | 15917 | 1.53% | 0.099% |
| 57 | 12.739 | 1774 | 1777 | 1780 | rVB5 | 22686 | 26269 | 2.52% | 0.164% |
| 58 | 12.780 | 1781 | 1784 | 1785 | rVV2 | 16085 | 17590 | 1.69% | 0.110% |
| 59 | 12.804 | 1785 | 1788 | 1790 | rVB | 30271 | 30670 | 2.94% | 0.191% |
| 60 | 12.880 | 1795 | 1801 | 1806 | rVV | 886877 | 901473 | 86.42% | 5.627% |
| 61 | 12.927 | 1806 | 1809 | 1812 | rVB2 | 38290 | 36567 | 3.51% | 0.228% |
| 62 | 13.016 | 1821 | 1824 | 1833 | rVB | 841297 | 785839 | 75.34% | 4.905% |
| 63 | 13.098 | 1833 | 1838 | 1841 | rBV3 | 56908 | 101247 | 9.71% | 0.632% |
| 64 | 13.133 | 1841 | 1844 | 1845 | rVV | 20447 | 18400 | 1.76% | 0.115% |
| 65 | 13.180 | 1849 | 1852 | 1853 | rBV2 | 42706 | 46357 | 4.44% | 0.289% |
| 66 | 13.204 | 1854 | 1856 | 1859 | rVB2 | 74406 | 74046 | 7.10% | 0.462% |
| 67 | 13.239 | 1859 | 1862 | 1865 | rBV5 | 19121 | 20979 | 2.01% | 0.131% |
| 68 | 13.275 | 1865 | 1868 | 1870 | rBV | 34647 | 37949 | 3.64% | 0.237% |
| 69 | 13.310 | 1870 | 1874 | 1877 | rVV3 | 65427 | 97211 | 9.32% | 0.607% |
| 70 | 13.339 | 1877 | 1879 | 1881 | rVB3 | 28711 | 18125 | 1.74% | 0.113% |
| 71 | 13.404 | 1888 | 1890 | 1893 | rVB | 35202 | 25471 | 2.44% | 0.159% |
| 72 | 13.433 | 1893 | 1895 | 1898 | rBV | 41357 | 40101 | 3.84% | 0.250% |
| 73 | 13.592 | 1920 | 1922 | 1924 | rBV3 | 25610 | 26223 | 2.51% | 0.164% |
| 74 | 13.716 | 1940 | 1943 | 1946 | rVB | 110058 | 98516 | 9.44% | 0.615% |
| 75 | 13.827 | 1958 | 1962 | 1965 | rBV2 | 91170 | 120651 | 11.57% | 0.753% |
| 76 | 13.857 | 1965 | 1967 | 1969 | rVV | 72899 | 58550 | 5.61% | 0.365% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022822\
Data File : BF127109.D
Acq On : 28 Feb 2022 19:38
Operator : CG\JU
Sample : N1681-04 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-2-1-8FT

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-BF021622.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 13.880 | 1969 | 1971 | 1975 | rVV2 | 60976 | 88404 | 8.48% | 0.552% |
| 78 | 13.922 | 1975 | 1978 | 1986 | rVB2 | 130808 | 185883 | 17.82% | 1.160% |
| 79 | 14.080 | 2000 | 2005 | 2008 | rBV2 | 753140 | 958846 | 91.92% | 5.985% |
| 80 | 14.104 | 2008 | 2009 | 2017 | rVB | 337553 | 286922 | 27.51% | 1.791% |
| 81 | 14.186 | 2021 | 2023 | 2025 | rBV | 49990 | 38204 | 3.66% | 0.238% |
| 82 | 15.139 | 2181 | 2185 | 2188 | rBV | 226221 | 342042 | 32.79% | 2.135% |
| 83 | 15.451 | 2236 | 2238 | 2243 | rVB | 125860 | 135893 | 13.03% | 0.848% |
| 84 | 15.516 | 2245 | 2249 | 2253 | rBV | 164172 | 210303 | 20.16% | 1.313% |
| 85 | 15.580 | 2256 | 2260 | 2264 | rBV | 339732 | 446704 | 42.82% | 2.788% |

Sum of corrected areas: 16020475

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022822\
Data File : BF127109.D
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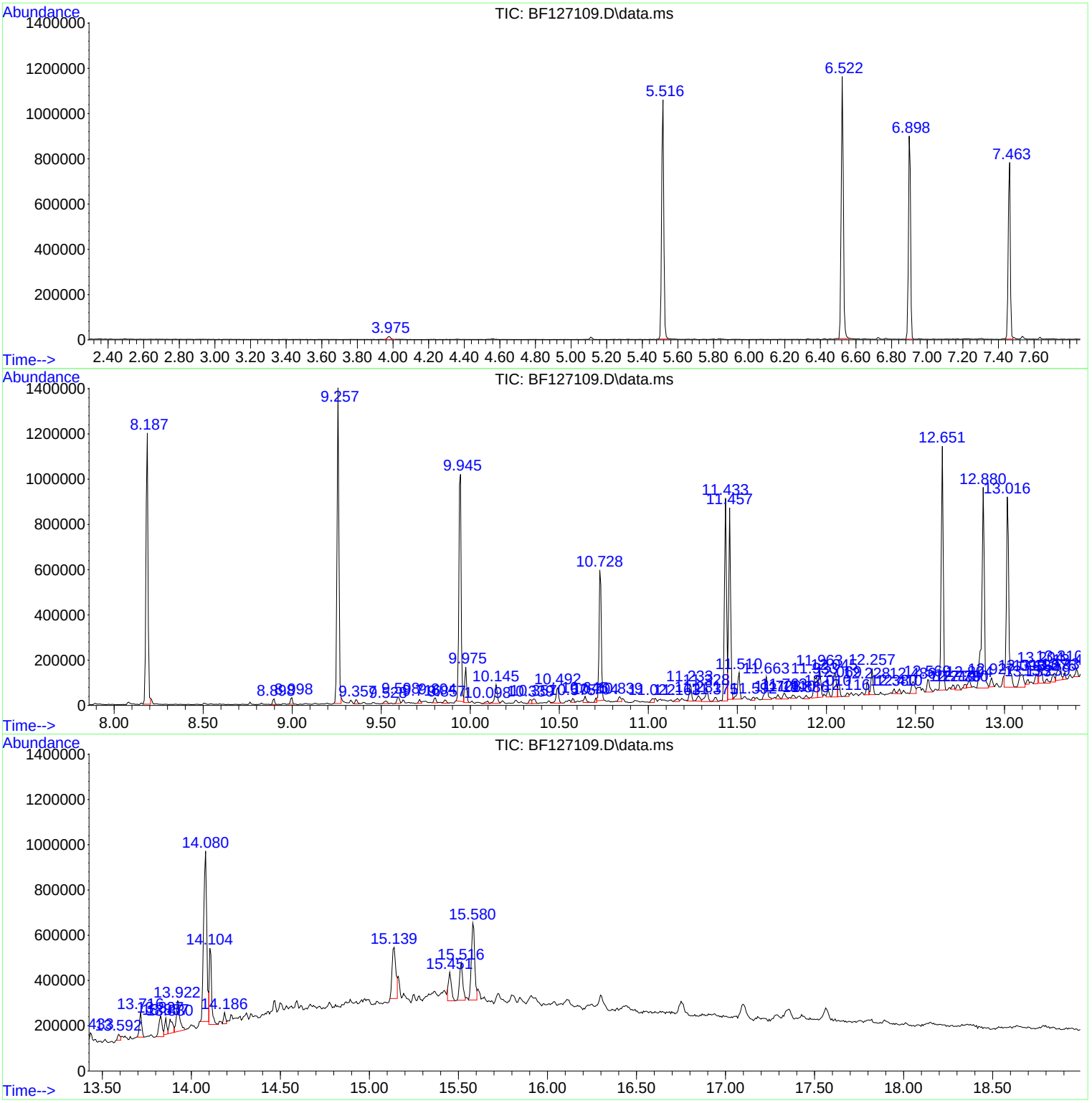
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-2-1-8FT

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.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\BF022822\
Data File : BF127109.D
Acq On : 28 Feb 2022 19:38
Operator : CG\JU
Sample : N1681-04 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-2-1-8FT

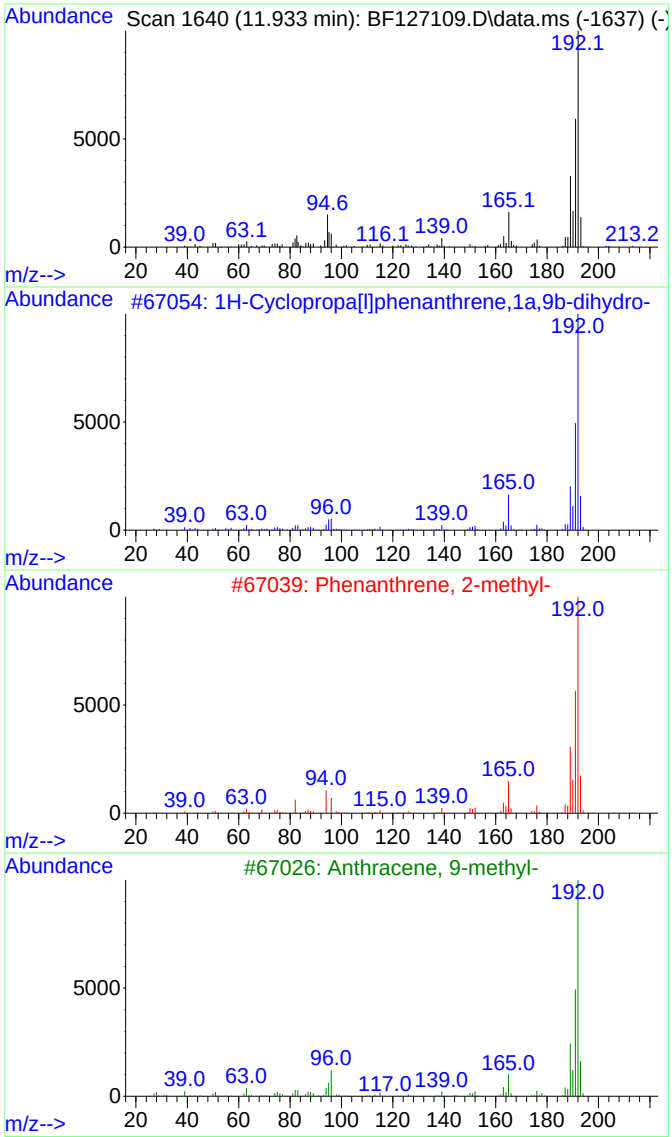
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

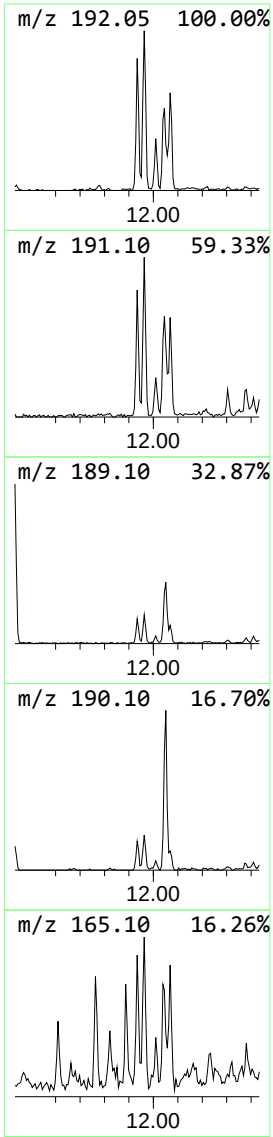
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 1H-Cyclopropa[l]phenanthren... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.933 | 3.57 ng | 132263 | Phenanthrene-d10 | 11.434 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 91 |
| 2 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 87 |
| 3 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 87 |
| 4 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 87 |
| 5 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 87 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022822\
Data File : BF127109.D
Acq On : 28 Feb 2022 19:38
Operator : CG\JU
Sample : N1681-04 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-2-1-8FT

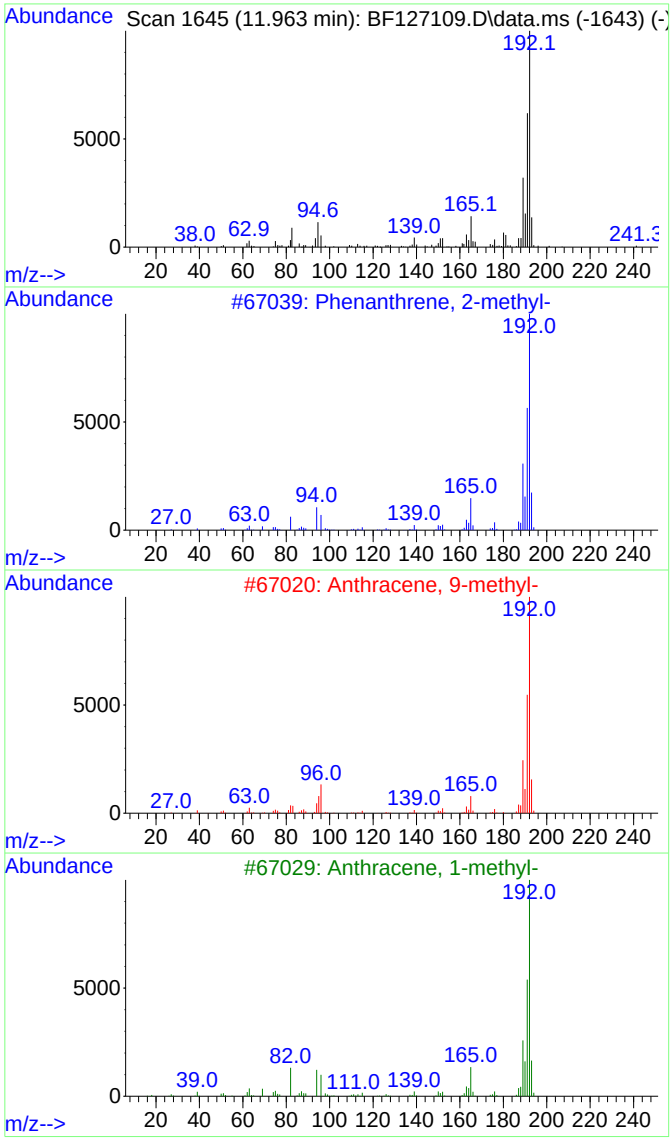
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

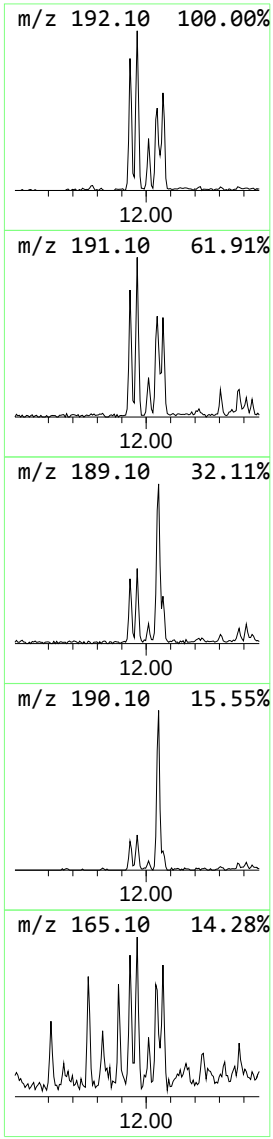
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.963 | 2.88 ng | 106884 | Phenanthrene-d10 | 11.434 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 95 |
| 2 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 90 |
| 3 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 90 |
| 4 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 90 |
| 5 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 89 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022822\
Data File : BF127109.D
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Sample : N1681-04 2X
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ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
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**ClientSampleId :**
TP-2-1-8FT

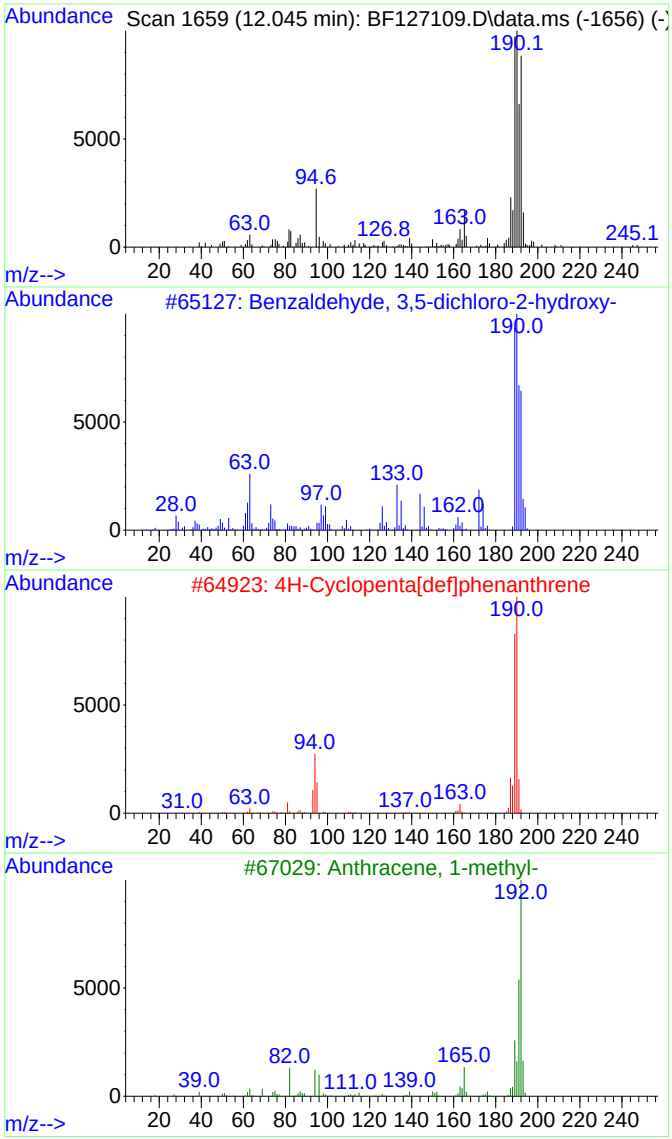
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

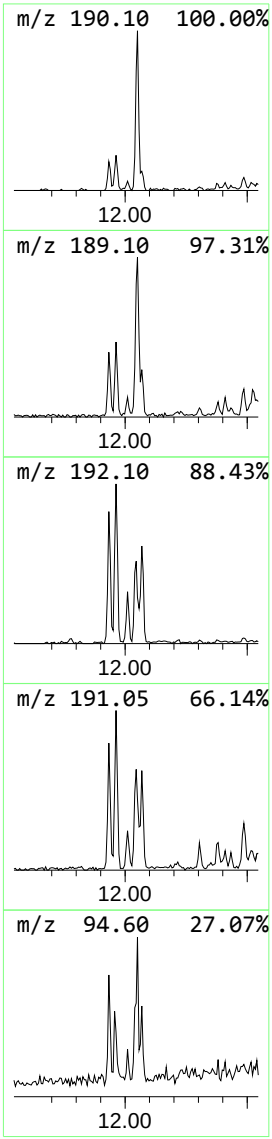
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 Benzaldehyde, 3,5-dichloro-... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.045 | 3.53 ng | 130685 | Phenanthrene-d10 | 11.434 |

| 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 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 46 |
| 4 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 42 |
| 5 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 41 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022822\
Data File : BF127109.D
Acq On : 28 Feb 2022 19:38
Operator : CG\JU
Sample : N1681-04 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-2-1-8FT

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

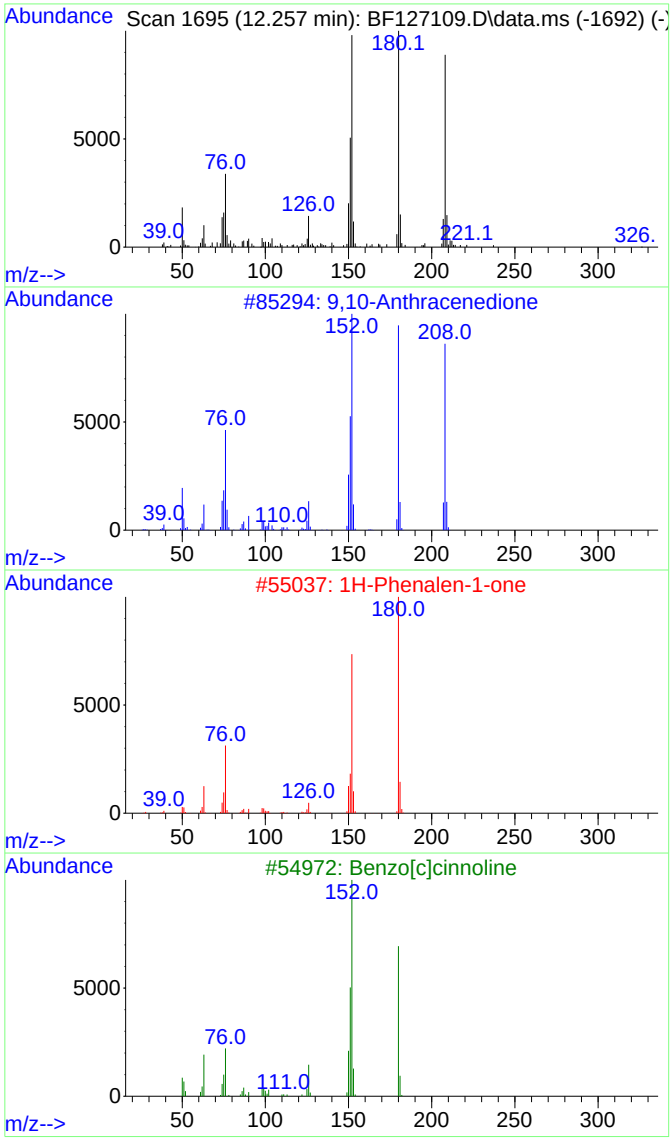
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

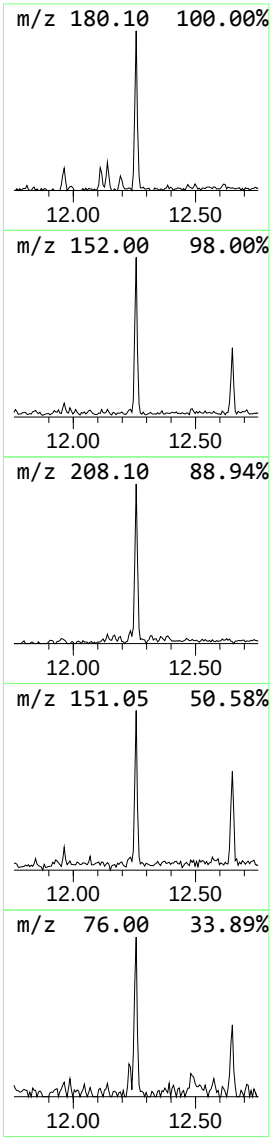
**********

Peak Number 4 9,10-Anthracenedione Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.257 | 2.44 ng | 90446 | Phenanthrene-d10 | 11.434 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 97 |
| 2 | 1H-Phenalen-1-one | 180 | C13H8O | 000548-39-0 | 91 |
| 3 | Benzo[c]cinnoline | 180 | C12H8N2 | 000230-17-1 | 70 |
| 4 | 9,10-Phenanthrenedione | 208 | C14H8O2 | 000084-11-7 | 60 |
| 5 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 58 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022822\
Data File : BF127109.D
Acq On : 28 Feb 2022 19:38
Operator : CG\JU
Sample : N1681-04 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-2-1-8FT

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

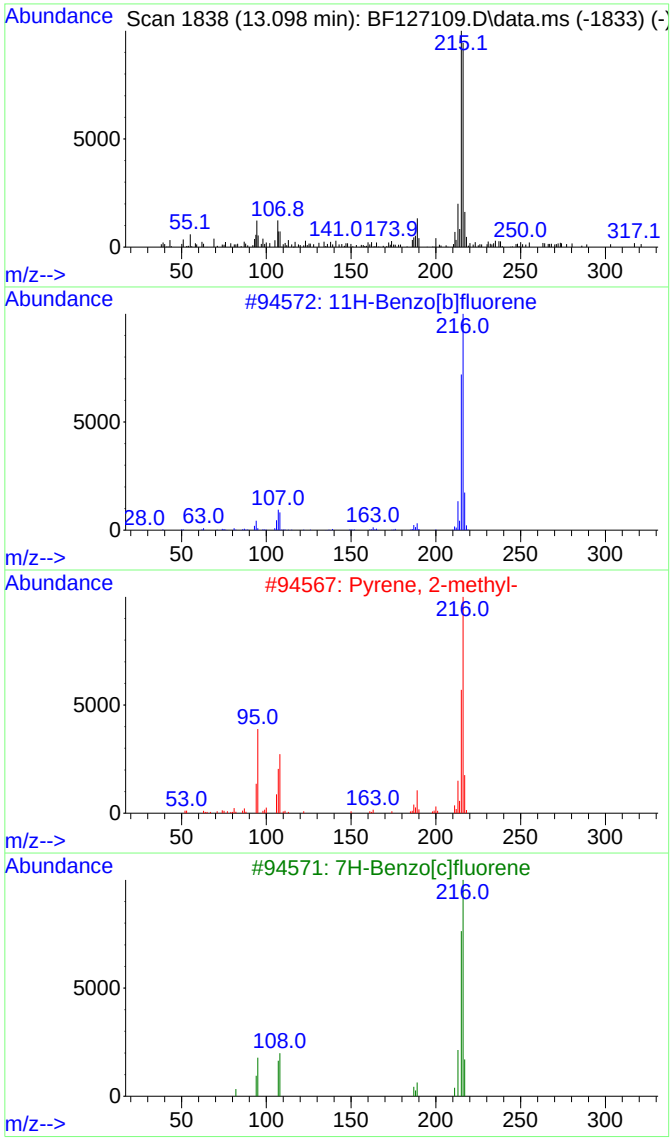
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

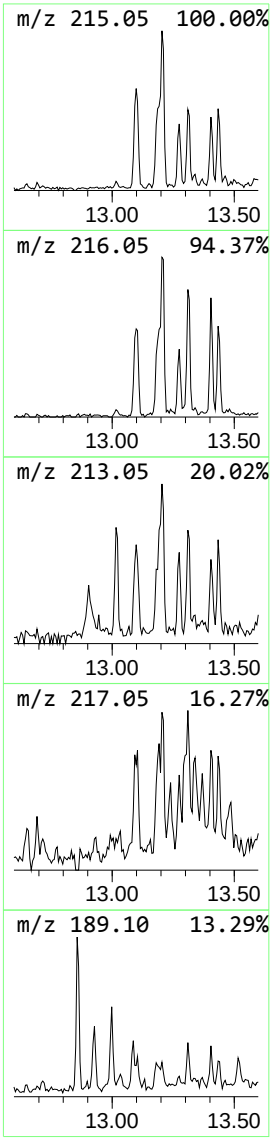
**********

Peak Number 5 11H-Benzo[b]fluorene Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.098 | 2.11 ng | 101247 | Chrysene-d12 | 14.080 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 91 |
| 2 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 90 |
| 3 | 7H-Benzo[c]fluorene | 216 | C17H12 | 000205-12-9 | 80 |
| 4 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 74 |
| 5 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 70 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022822\
Data File : BF127109.D
Acq On : 28 Feb 2022 19:38
Operator : CG\JU
Sample : N1681-04 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-2-1-8FT

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

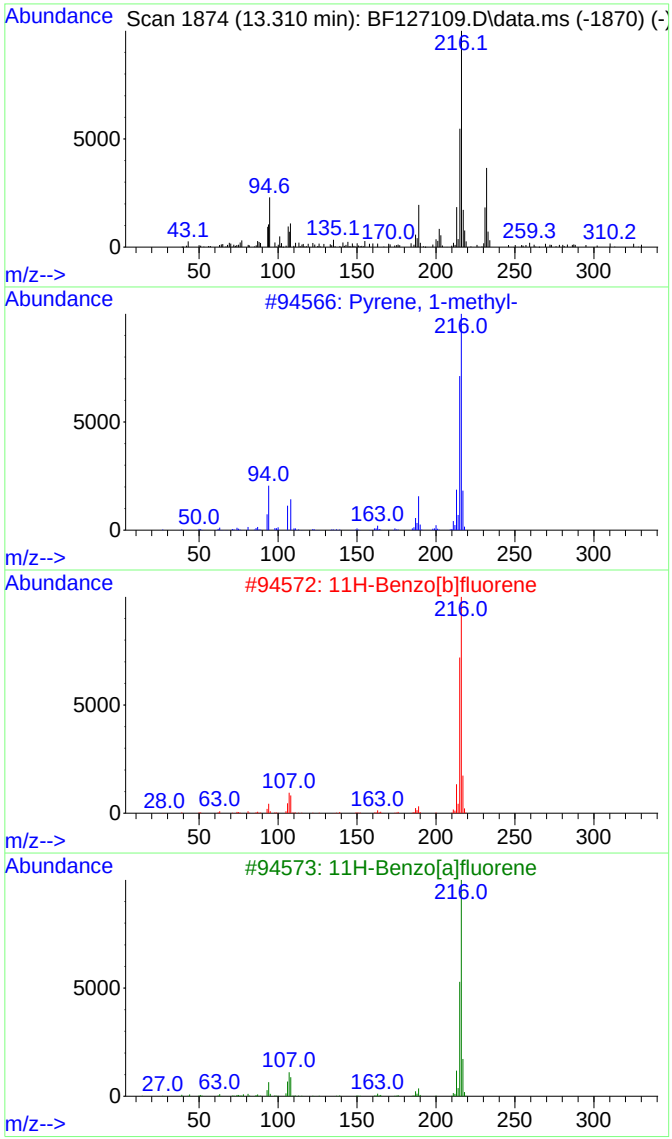
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

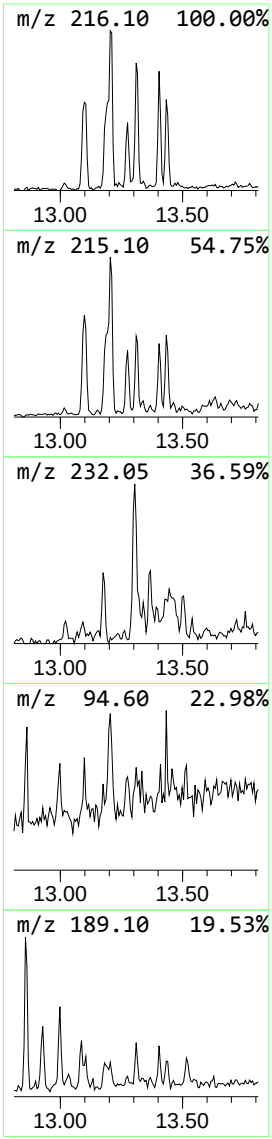
**********

Peak Number 6 Pyrene, 1-methyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.310 | 2.03 ng | 97211 | Chrysene-d12 | 14.080 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 83 |
| 2 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 64 |
| 3 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 62 |
| 4 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 60 |
| 5 | Pyrene, 4-methyl- | 216 | C17H12 | 003353-12-6 | 60 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022822\
Data File : BF127109.D
Acq On : 28 Feb 2022 19:38
Operator : CG\JU
Sample : N1681-04 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-2-1-8FT

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

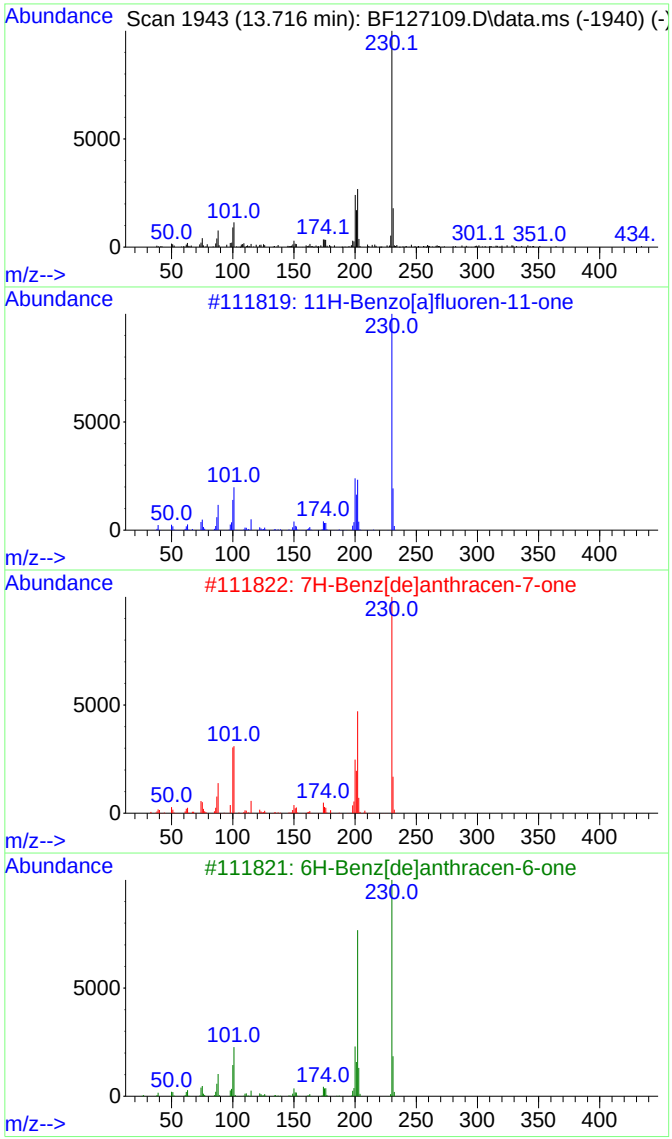
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

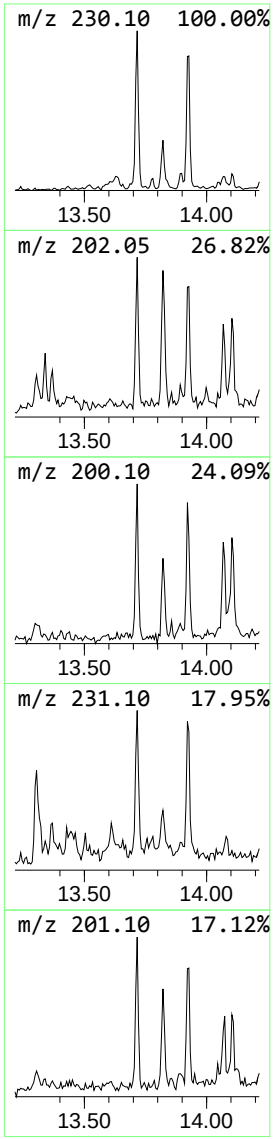
**********

Peak Number 7 11H-Benzo[a]fluoren-11-one Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.716 | 2.05 ng | 98516 | Chrysene-d12 | 14.080 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[a]fluoren-11-one | 230 | C17H10O | 000479-79-8 | 91 |
| 2 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 87 |
| 3 | 6H-Benz[de]anthracen-6-one | 230 | C17H10O | 080252-14-8 | 58 |
| 4 | o-Terphenyl | 230 | C18H14 | 000084-15-1 | 53 |
| 5 | 1-Pyrenecarboxaldehyde | 230 | C17H10O | 003029-19-4 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022822\
Data File : BF127109.D
Acq On : 28 Feb 2022 19:38
Operator : CG\JU
Sample : N1681-04 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-2-1-8FT

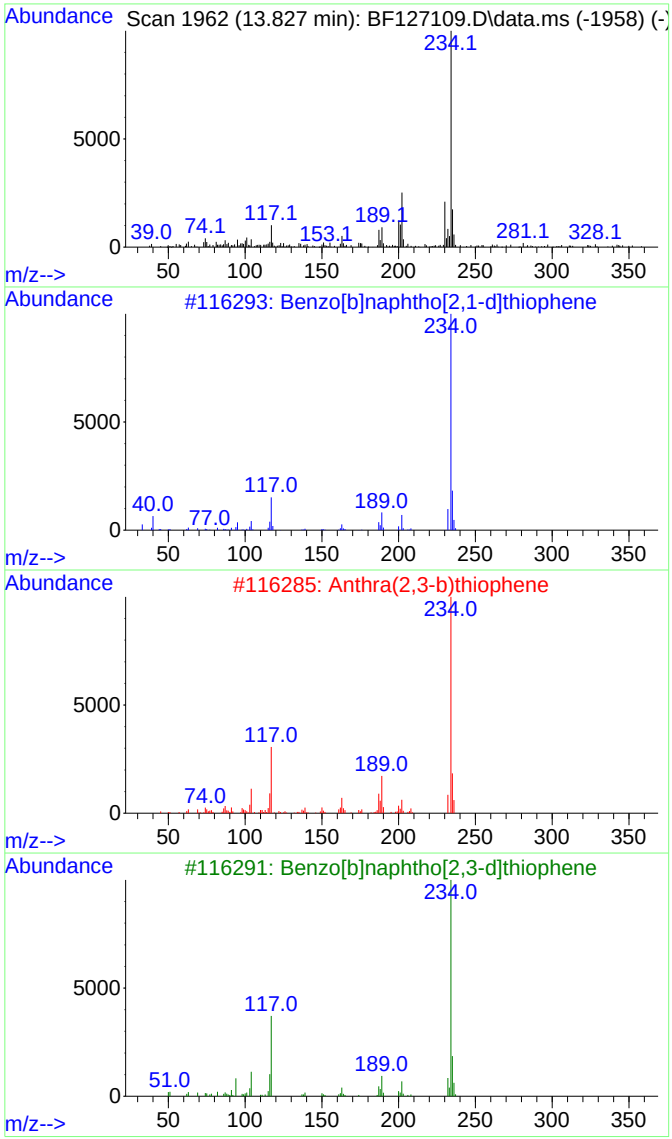
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

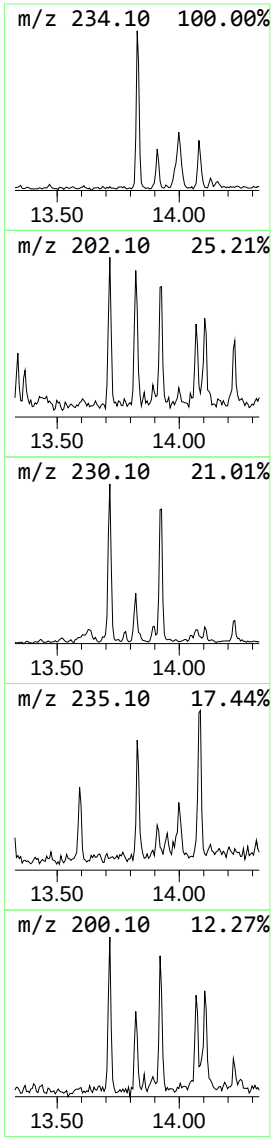
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.827 | 2.52 ng | 120651 | Chrysene-d12 | 14.080 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[b]naphtho[2,1-d]thiophene | 234 | C16H10S | 000239-35-0 | 83 |
| 2 | Anthra(2,3-b)thiophene | 234 | C16H10S | 022108-55-0 | 83 |
| 3 | Benzo[b]naphtho[2,3-d]thiophene | 234 | C16H10S | 000243-46-9 | 58 |
| 4 | Phenanthro[4,3-b]thiophene | 234 | C16H10S | 000195-68-6 | 53 |
| 5 | Benzo[b]naphtho[1,2-d]thiophene | 234 | C16H10S | 000205-43-6 | 52 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022822\
Data File : BF127109.D
Acq On : 28 Feb 2022 19:38
Operator : CG\JU
Sample : N1681-04 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-2-1-8FT

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.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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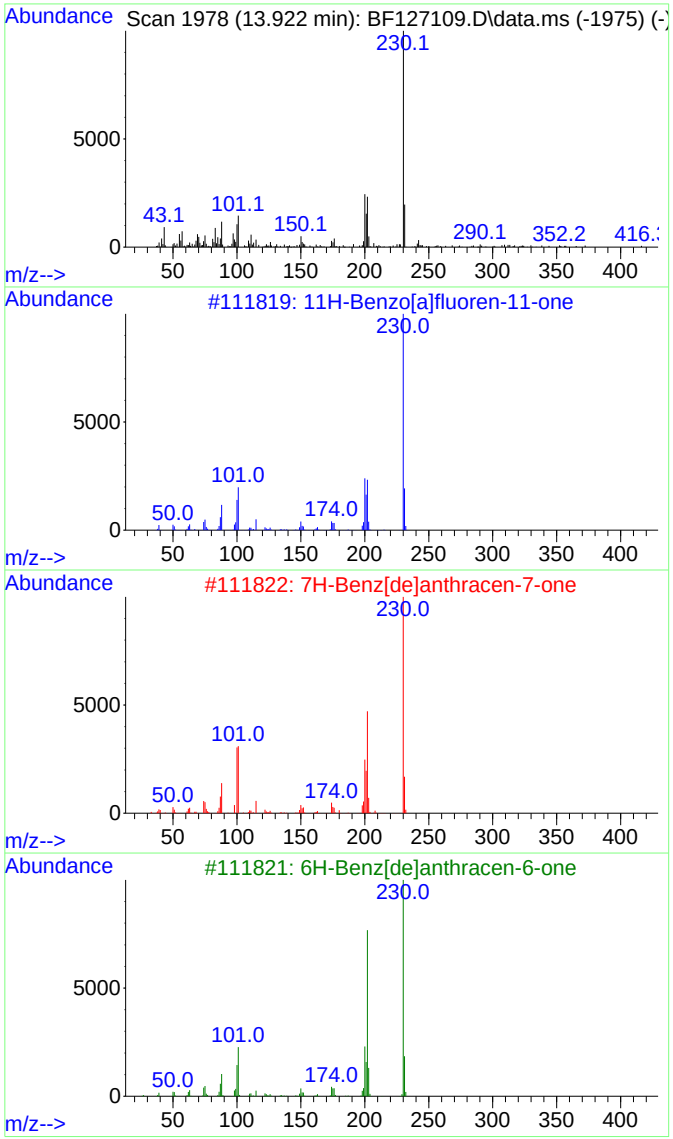
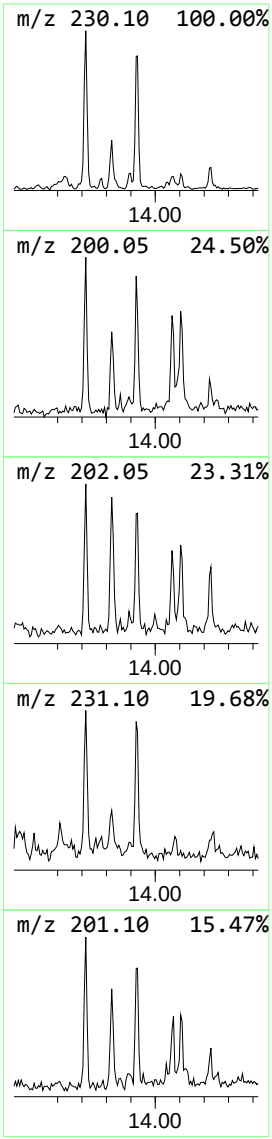
Peak Number 9 7H-Benz[de]anthracen-7-one Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.922 | 3.88 ng | 185883 | Chrysene-d12 | 14.080 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[a]fluoren-11-one | 230 | C17H10O | 000479-79-8 | 93 |
| 2 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 83 |
| 3 | 6H-Benz[de]anthracen-6-one | 230 | C17H10O | 080252-14-8 | 64 |
| 4 | o-Terphenyl | 230 | C18H14 | 000084-15-1 | 59 |
| 5 | .delta.(sup1),.alpha.-Acenaphthe... | 230 | C15H6N2O | 014619-86-4 | 53 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022822\
Data File : BF127109.D
Acq On : 28 Feb 2022 19:38
Operator : CG\JU
Sample : N1681-04 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-2-1-8FT

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

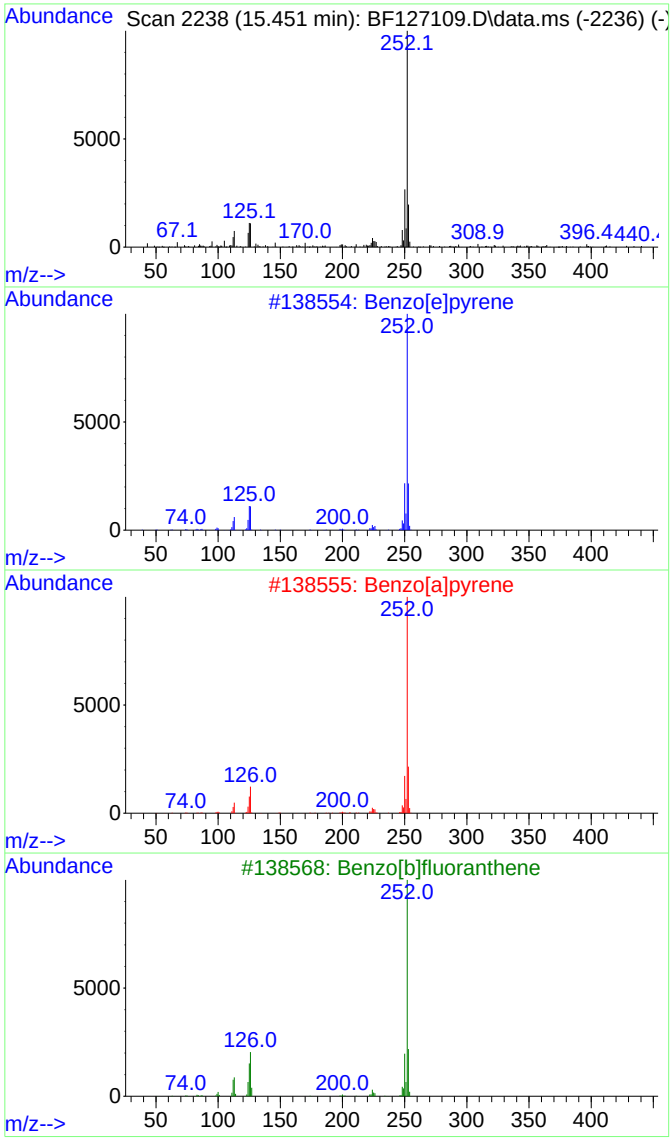
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

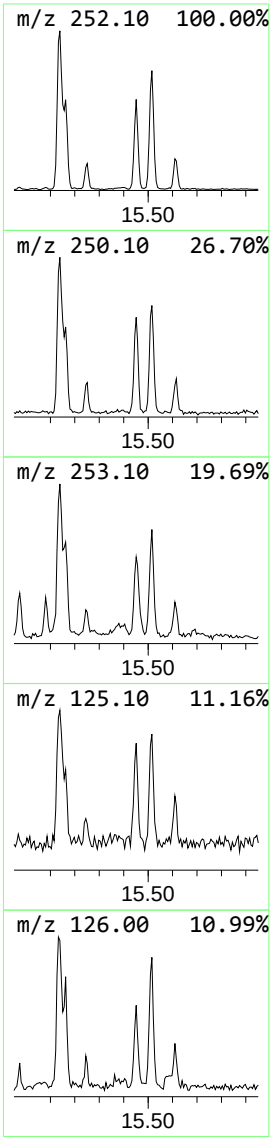
**********

Peak Number 10 Benzo[e]pyrene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.451 | 6.08 ng | 135893 | Perylene-d12 | 15.580 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 98 |
| 2 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 95 |
| 3 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 93 |
| 4 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 90 |
| 5 | Perylene | 252 | C20H12 | 000198-55-0 | 81 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022822\
Data File : BF127109.D
Acq On : 28 Feb 2022 19:38
Operator : CG\JU
Sample : N1681-04 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-2-1-8FT

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.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 |
| 1H-Cyclopropa[l... | 11.933 | 3.6 | ng | 132263 | 4 | 11.434 | 741349 | 20.0 |
| Phenanthrene, 2... | 11.963 | 2.9 | ng | 106884 | 4 | 11.434 | 741349 | 20.0 |
| Benzaldehyde, 3... | 12.045 | 3.5 | ng | 130685 | 4 | 11.434 | 741349 | 20.0 |
| 9,10-Anthracene... | 12.257 | 2.4 | ng | 90446 | 4 | 11.434 | 741349 | 20.0 |
| 11H-Benzo[b]flu... | 13.098 | 2.1 | ng | 101247 | 5 | 14.080 | 958846 | 20.0 |
| Pyrene, 1-methyl- | 13.310 | 2.0 | ng | 97211 | 5 | 14.080 | 958846 | 20.0 |
| 11H-Benzo[a]flu... | 13.716 | 2.0 | ng | 98516 | 5 | 14.080 | 958846 | 20.0 |
| Benzo[b]naphtho... | 13.827 | 2.5 | ng | 120651 | 5 | 14.080 | 958846 | 20.0 |
| 7H-Benz[de]anth... | 13.922 | 3.9 | ng | 185883 | 5 | 14.080 | 958846 | 20.0 |
| Benzo[e]pyrene | 15.451 | 6.1 | ng | 135893 | 6 | 15.580 | 446704 | 20.0 |