LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012821\
Data File : BF123069.D
Acq On : 28 Jan 2021 20:15
Operator : JU/CG
Sample : M1255-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CRT-17

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-BF012721.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF123069.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.175 | 9 | 15 | 21 | rBV | 561124 | 737752 | 6.90% | 0.594% |
| 2 | 5.504 | 576 | 581 | 585 | rBV | 4404976 | 4507609 | 42.14% | 3.629% |
| 3 | 6.510 | 747 | 752 | 755 | rBV | 4538944 | 4715370 | 44.08% | 3.796% |
| 4 | 6.892 | 813 | 817 | 820 | rBV | 1786362 | 1455061 | 13.60% | 1.171% |
| 5 | 7.451 | 907 | 912 | 915 | rBV | 3256731 | 3031756 | 28.34% | 2.441% |
| 6 | 8.175 | 1030 | 1035 | 1038 | rBV | 2296305 | 1987379 | 18.58% | 1.600% |
| 7 | 8.886 | 1151 | 1156 | 1159 | rBV | 373892 | 327841 | 3.06% | 0.264% |
| 8 | 8.986 | 1168 | 1173 | 1177 | rVB | 529095 | 449747 | 4.20% | 0.362% |
| 9 | 9.251 | 1213 | 1218 | 1222 | rBV | 5385695 | 5434436 | 50.80% | 4.375% |
| 10 | 9.351 | 1228 | 1235 | 1240 | rBV | 716291 | 673195 | 6.29% | 0.542% |
| 11 | 9.451 | 1249 | 1252 | 1257 | rVB | 184469 | 208754 | 1.95% | 0.168% |
| 12 | 9.516 | 1257 | 1263 | 1267 | rBV | 458030 | 634662 | 5.93% | 0.511% |
| 13 | 9.592 | 1271 | 1276 | 1278 | rVV | 685195 | 692079 | 6.47% | 0.557% |
| 14 | 9.616 | 1278 | 1280 | 1283 | rVV | 459433 | 404907 | 3.79% | 0.326% |
| 15 | 9.710 | 1292 | 1296 | 1301 | rVV | 323751 | 345129 | 3.23% | 0.278% |
| 16 | 9.792 | 1305 | 1310 | 1313 | rVB2 | 238102 | 206407 | 1.93% | 0.166% |
| 17 | 9.933 | 1327 | 1334 | 1337 | rBV2 | 2458734 | 2819023 | 26.35% | 2.270% |
| 18 | 9.969 | 1337 | 1340 | 1343 | rVB | 4567726 | 3965633 | 37.07% | 3.193% |
| 19 | 10.039 | 1348 | 1352 | 1357 | rBV | 155763 | 215881 | 2.02% | 0.174% |
| 20 | 10.092 | 1357 | 1361 | 1365 | rVV2 | 256150 | 307589 | 2.88% | 0.248% |
| 21 | 10.139 | 1365 | 1369 | 1373 | rVV | 2897674 | 2579259 | 24.11% | 2.077% |
| 22 | 10.174 | 1373 | 1375 | 1383 | rVB | 248337 | 261004 | 2.44% | 0.210% |
| 23 | 10.251 | 1383 | 1388 | 1391 | rBV | 193421 | 210548 | 1.97% | 0.170% |
| 24 | 10.280 | 1391 | 1393 | 1396 | rVB | 230539 | 167079 | 1.56% | 0.135% |
| 25 | 10.345 | 1400 | 1404 | 1406 | rBV2 | 227295 | 289536 | 2.71% | 0.233% |
| 26 | 10.369 | 1406 | 1408 | 1411 | rVB2 | 208972 | 172727 | 1.61% | 0.139% |
| 27 | 10.445 | 1417 | 1421 | 1424 | rVB2 | 350514 | 379491 | 3.55% | 0.306% |
| 28 | 10.486 | 1424 | 1428 | 1431 | rVV | 4884135 | 4419012 | 41.31% | 3.558% |
| 29 | 10.533 | 1433 | 1436 | 1437 | rBV | 349138 | 295864 | 2.77% | 0.238% |
| 30 | 10.551 | 1437 | 1439 | 1440 | rVV | 502656 | 391415 | 3.66% | 0.315% |
| 31 | 10.569 | 1440 | 1442 | 1445 | rVV | 756952 | 679434 | 6.35% | 0.547% |
| 32 | 10.598 | 1445 | 1447 | 1448 | rVV2 | 197913 | 160465 | 1.50% | 0.129% |
| 33 | 10.616 | 1448 | 1450 | 1452 | rVV | 411882 | 383598 | 3.59% | 0.309% |
| 34 | 10.639 | 1452 | 1454 | 1459 | rVB | 1061084 | 902383 | 8.44% | 0.727% |
| 35 | 10.727 | 1459 | 1469 | 1472 | rBV | 4738234 | 4839429 | 45.24% | 3.896% |
| 36 | 10.774 | 1472 | 1477 | 1480 | rVB3 | 214990 | 307819 | 2.88% | 0.248% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012821\
Data File : BF123069.D
Acq On : 28 Jan 2021 20:15
Operator : JU/CG
Sample : M1255-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CRT-17

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-BF012721.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 10.839 | 1483 | 1488 | 1493 | rVB2 | 854445 | 886252 | 8.28% | 0.714% |
| 38 | 11.033 | 1514 | 1521 | 1524 | rVV3 | 789249 | 955056 | 8.93% | 0.769% |
| 39 | 11.063 | 1524 | 1526 | 1529 | rVV2 | 299073 | 301817 | 2.82% | 0.243% |
| 40 | 11.116 | 1532 | 1535 | 1538 | rVV2 | 306891 | 304900 | 2.85% | 0.245% |
| 41 | 11.163 | 1538 | 1543 | 1544 | rVV2 | 308721 | 390406 | 3.65% | 0.314% |
| 42 | 11.180 | 1544 | 1546 | 1549 | rVV2 | 510264 | 547123 | 5.11% | 0.440% |
| 43 | 11.227 | 1551 | 1554 | 1558 | rVV3 | 267665 | 301989 | 2.82% | 0.243% |
| 44 | 11.274 | 1558 | 1562 | 1567 | rVV3 | 378313 | 666855 | 6.23% | 0.537% |
| 45 | 11.321 | 1567 | 1570 | 1576 | rVB | 1435393 | 1272415 | 11.89% | 1.024% |
| 46 | 11.427 | 1583 | 1588 | 1590 | rBV | 2320756 | 2878778 | 26.91% | 2.318% |
| 47 | 11.463 | 1590 | 1594 | 1596 | rVV | 9698592 | 10697656 | 100.00% | 8.613% |
| 48 | 11.504 | 1598 | 1601 | 1604 | rVV | 2495581 | 2006373 | 18.76% | 1.615% |
| 49 | 11.533 | 1604 | 1606 | 1609 | rVV2 | 277222 | 272487 | 2.55% | 0.219% |
| 50 | 11.639 | 1621 | 1624 | 1625 | rVV | 251108 | 238705 | 2.23% | 0.192% |
| 51 | 11.680 | 1629 | 1631 | 1636 | rVV4 | 135624 | 186743 | 1.75% | 0.150% |
| 52 | 11.721 | 1636 | 1638 | 1642 | rVV2 | 409993 | 373392 | 3.49% | 0.301% |
| 53 | 11.757 | 1642 | 1644 | 1649 | rVB2 | 176022 | 178914 | 1.67% | 0.144% |
| 54 | 11.927 | 1669 | 1673 | 1675 | rBV | 1122492 | 1013397 | 9.47% | 0.816% |
| 55 | 11.957 | 1675 | 1678 | 1682 | rVB | 2119900 | 1700404 | 15.90% | 1.369% |
| 56 | 12.004 | 1682 | 1686 | 1689 | rVB2 | 609713 | 585914 | 5.48% | 0.472% |
| 57 | 12.045 | 1689 | 1693 | 1695 | rBV | 2366126 | 2279196 | 21.31% | 1.835% |
| 58 | 12.227 | 1718 | 1724 | 1726 | rBV | 998727 | 898313 | 8.40% | 0.723% |
| 59 | 12.245 | 1726 | 1727 | 1731 | rVB2 | 291692 | 263697 | 2.46% | 0.212% |
| 60 | 12.374 | 1744 | 1749 | 1752 | rBV | 224248 | 223762 | 2.09% | 0.180% |
| 61 | 12.415 | 1752 | 1756 | 1761 | rBV2 | 863114 | 955787 | 8.93% | 0.770% |
| 62 | 12.474 | 1763 | 1766 | 1770 | rBV2 | 381168 | 510585 | 4.77% | 0.411% |
| 63 | 12.521 | 1770 | 1774 | 1779 | rVB3 | 379559 | 510142 | 4.77% | 0.411% |
| 64 | 12.568 | 1779 | 1782 | 1787 | rBV3 | 163834 | 231531 | 2.16% | 0.186% |
| 65 | 12.651 | 1791 | 1796 | 1799 | rBV | 7173960 | 7401018 | 69.18% | 5.959% |
| 66 | 12.798 | 1818 | 1821 | 1823 | rVV | 300348 | 341392 | 3.19% | 0.275% |
| 67 | 12.815 | 1823 | 1824 | 1828 | rVB | 261481 | 187174 | 1.75% | 0.151% |
| 68 | 12.880 | 1828 | 1835 | 1840 | rBV3 | 5162404 | 6840559 | 63.94% | 5.507% |
| 69 | 12.921 | 1840 | 1842 | 1848 | rVB2 | 344583 | 328597 | 3.07% | 0.265% |
| 70 | 12.992 | 1851 | 1854 | 1855 | rBV | 438161 | 333979 | 3.12% | 0.269% |
| 71 | 13.021 | 1855 | 1859 | 1862 | rVV | 6783321 | 6358549 | 59.44% | 5.119% |
| 72 | 13.098 | 1866 | 1872 | 1874 | rBV3 | 328655 | 549035 | 5.13% | 0.442% |
| 73 | 13.174 | 1882 | 1885 | 1887 | rBV3 | 280516 | 318884 | 2.98% | 0.257% |
| 74 | 13.204 | 1887 | 1890 | 1893 | rVB | 1225270 | 1071432 | 10.02% | 0.863% |
| 75 | 13.268 | 1893 | 1901 | 1904 | rBV | 1212581 | 1184372 | 11.07% | 0.954% |
| 76 | 13.304 | 1904 | 1907 | 1910 | rVV2 | 446916 | 503518 | 4.71% | 0.405% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012821\
Data File : BF123069.D
Acq On : 28 Jan 2021 20:15
Operator : JU/CG
Sample : M1255-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CRT-17

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-BF012721.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 13.427 | 1926 | 1928 | 1932 | rBV2 | 239007 | 269967 | 2.52% | 0.217% |
| 78 | 13.498 | 1937 | 1940 | 1946 | rVB | 296945 | 285439 | 2.67% | 0.230% |
| 79 | 13.639 | 1960 | 1964 | 1968 | rVV | 882194 | 885484 | 8.28% | 0.713% |
| 80 | 13.674 | 1968 | 1970 | 1974 | rVV3 | 182670 | 227310 | 2.12% | 0.183% |
| 81 | 13.715 | 1975 | 1977 | 1981 | rVB3 | 148071 | 162700 | 1.52% | 0.131% |
| 82 | 13.821 | 1991 | 1995 | 1998 | rBV | 442850 | 482136 | 4.51% | 0.388% |
| 83 | 13.851 | 1998 | 2000 | 2002 | rVV | 376711 | 347193 | 3.25% | 0.280% |
| 84 | 13.874 | 2002 | 2004 | 2008 | rVV2 | 294320 | 385986 | 3.61% | 0.311% |
| 85 | 13.927 | 2009 | 2013 | 2022 | rVV3 | 1043806 | 1888474 | 17.65% | 1.520% |
| 86 | 13.992 | 2022 | 2024 | 2030 | rVB | 243031 | 239908 | 2.24% | 0.193% |
| 87 | 14.074 | 2030 | 2038 | 2041 | rBV2 | 3064864 | 4821545 | 45.07% | 3.882% |
| 88 | 14.104 | 2041 | 2043 | 2048 | rVB | 1917349 | 1574375 | 14.72% | 1.268% |
| 89 | 14.180 | 2054 | 2056 | 2063 | rVB | 310308 | 277050 | 2.59% | 0.223% |
| 90 | 14.292 | 2072 | 2075 | 2080 | rVB2 | 147029 | 200193 | 1.87% | 0.161% |
| 91 | 14.462 | 2100 | 2104 | 2107 | rVB | 225883 | 230443 | 2.15% | 0.186% |
| 92 | 14.551 | 2114 | 2119 | 2122 | rBV3 | 248108 | 353449 | 3.30% | 0.285% |
| 93 | 14.609 | 2127 | 2129 | 2133 | rVV2 | 185621 | 194150 | 1.81% | 0.156% |
| 94 | 14.662 | 2133 | 2138 | 2143 | rVB3 | 83292 | 164914 | 1.54% | 0.133% |
| 95 | 15.121 | 2212 | 2216 | 2220 | rBV | 762051 | 1179611 | 11.03% | 0.950% |
| 96 | 15.209 | 2227 | 2231 | 2234 | rBV2 | 161714 | 214531 | 2.01% | 0.173% |
| 97 | 15.433 | 2264 | 2269 | 2275 | rVB | 383586 | 466963 | 4.37% | 0.376% |
| 98 | 15.492 | 2275 | 2279 | 2283 | rBV | 357235 | 431224 | 4.03% | 0.347% |
| 99 | 15.562 | 2286 | 2291 | 2295 | rBV | 1596530 | 1985323 | 18.56% | 1.598% |
| 100 | 16.133 | 2381 | 2388 | 2393 | rBV5 | 118573 | 326838 | 3.06% | 0.263% |

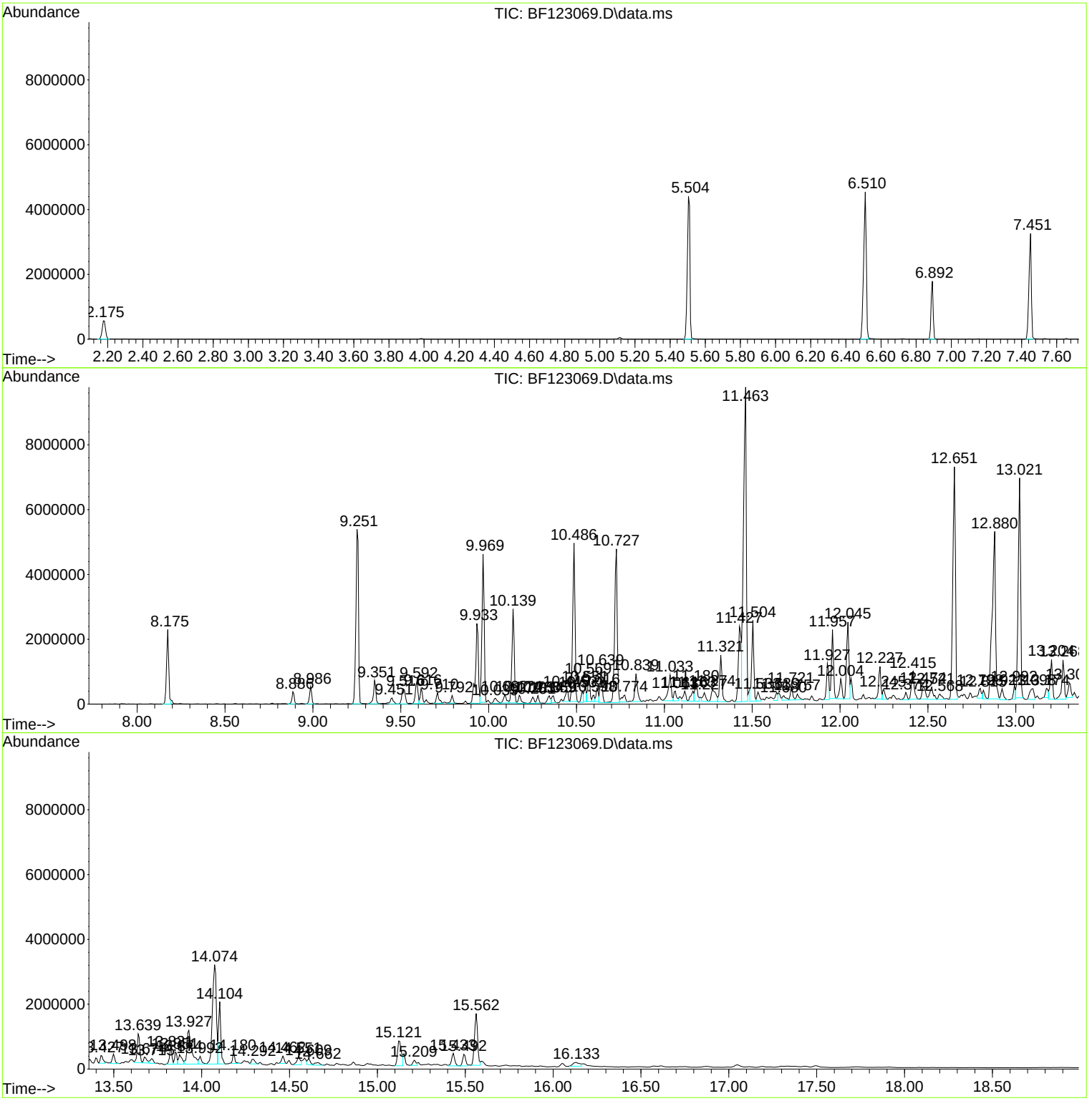
Sum of corrected areas: 124205577

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012821\
Data File : BF123069.D
Acq On : 28 Jan 2021 20:15
Operator : JU/CG
Sample : M1255-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
CRT-17

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012821\
Data File : BF123069.D
Acq On : 28 Jan 2021 20:15
Operator : JU/CG
Sample : M1255-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CRT-17

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

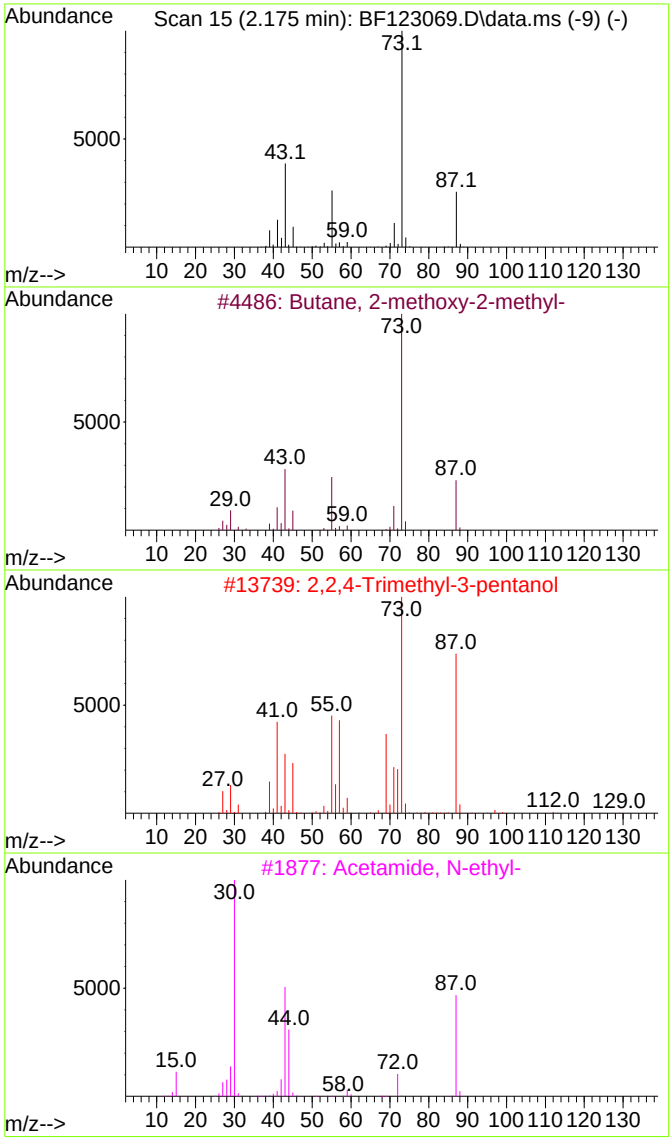
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

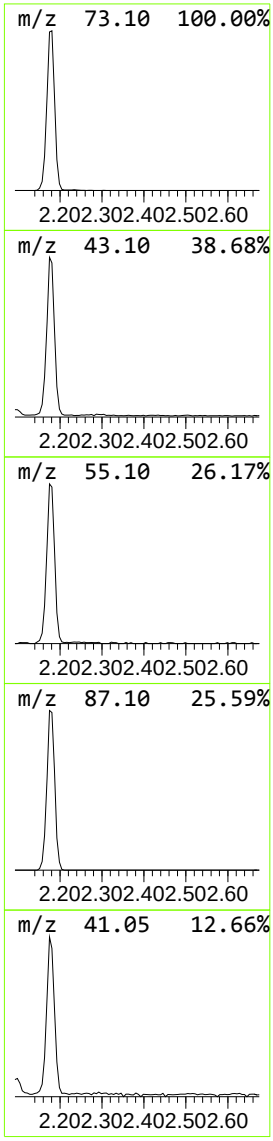
**********

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.175 | 10.14 ng | 737752 | 1,4-Dichlorobenzene-d4 | 6.892 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 83 |
| 2 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 39 |
| 3 | Acetamide, N-ethyl- | 87 | C4H9NO | 000625-50-3 | 27 |
| 4 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 25 |
| 5 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 12 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012821\
Data File : BF123069.D
Acq On : 28 Jan 2021 20:15
Operator : JU/CG
Sample : M1255-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
CRT-17

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

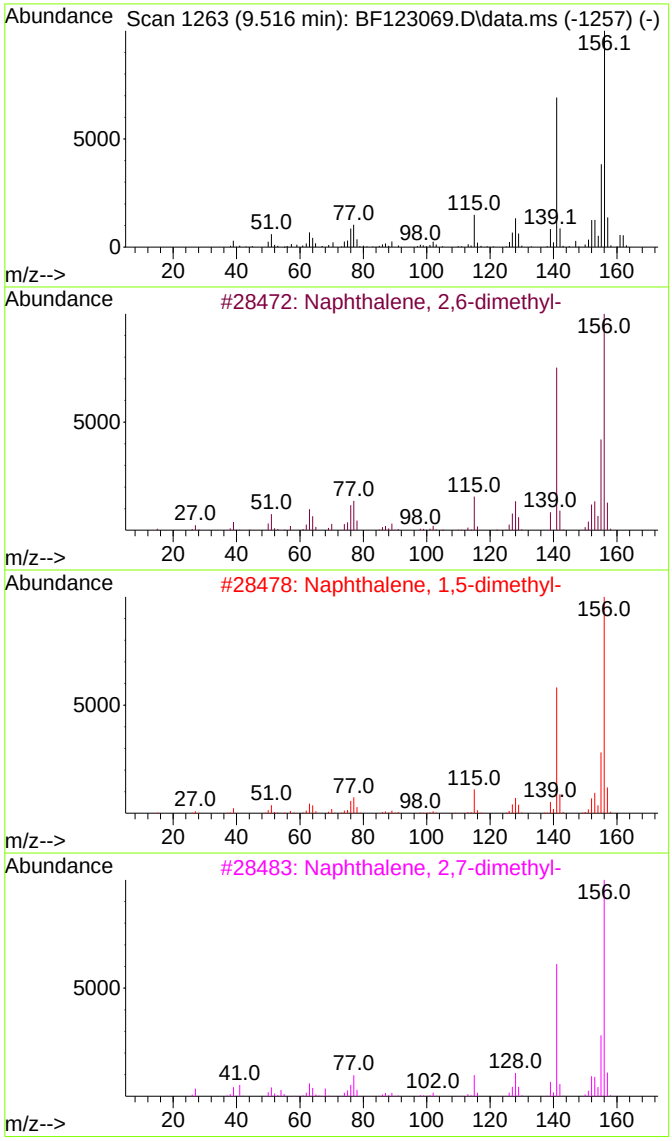
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

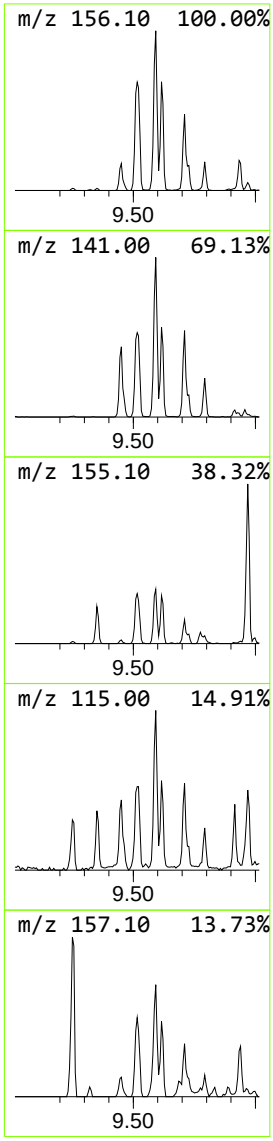
**********

Peak Number 2 Naphthalene, 2,6-dimethyl- Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.516 | 4.50 ng | 634662 | Acenaphthene-d10 | 9.933 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 98 |
| 2 | Naphthalene, 1,5-dimethyl- | 156 | C12H12 | 000571-61-9 | 97 |
| 3 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 96 |
| 4 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 96 |
| 5 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 96 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012821\
Data File : BF123069.D
Acq On : 28 Jan 2021 20:15
Operator : JU/CG
Sample : M1255-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
CRT-17

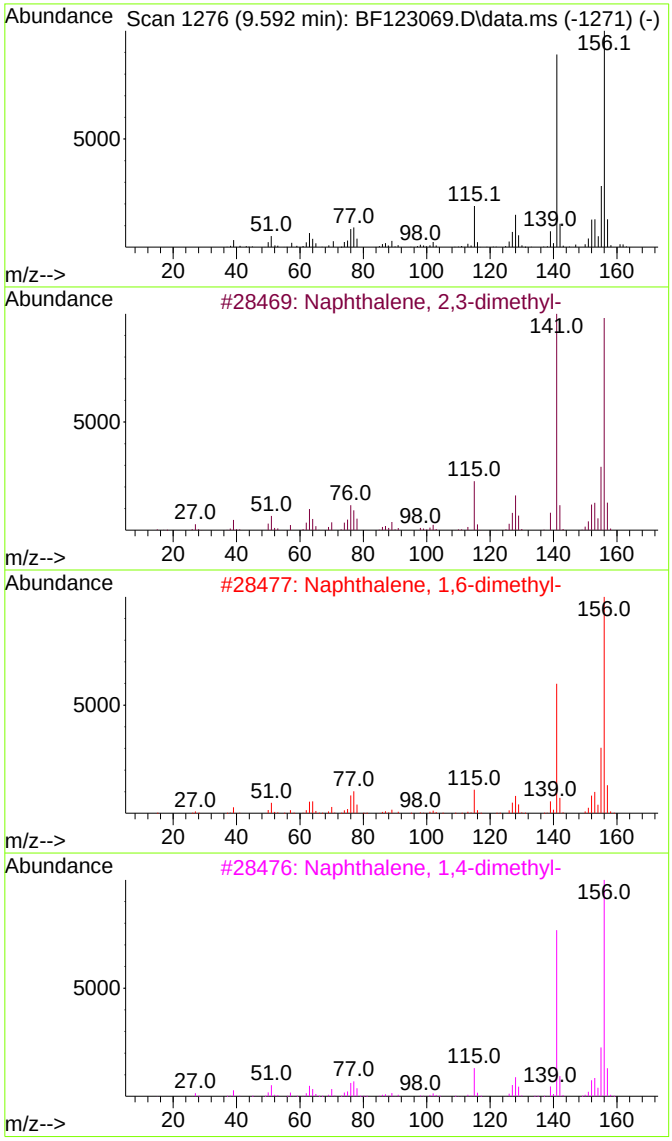
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

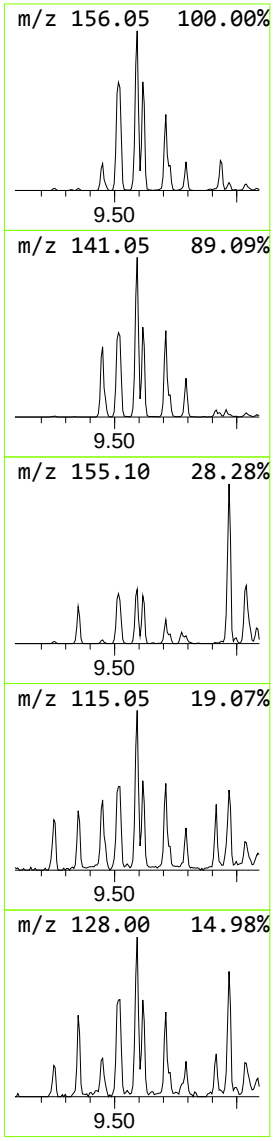
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.592 | 4.91 ng | 692079 | Acenaphthene-d10 | 9.933 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 98 |
| 2 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 97 |
| 3 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 97 |
| 4 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 97 |
| 5 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 96 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012821\
Data File : BF123069.D
Acq On : 28 Jan 2021 20:15
Operator : JU/CG
Sample : M1255-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
CRT-17

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

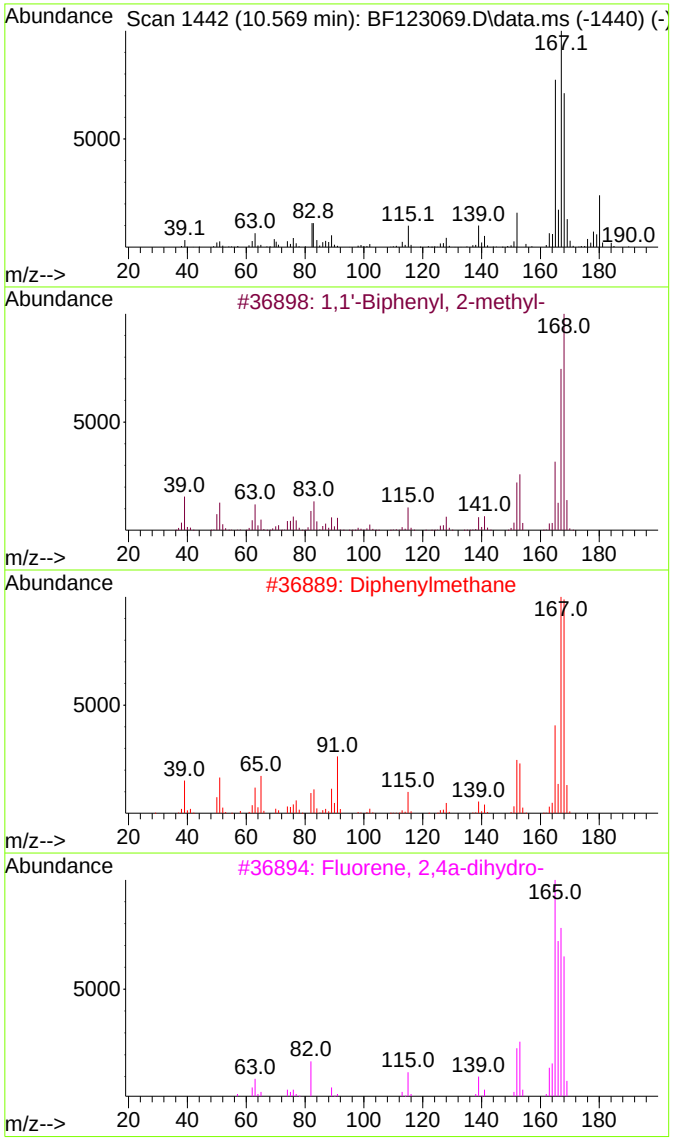
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

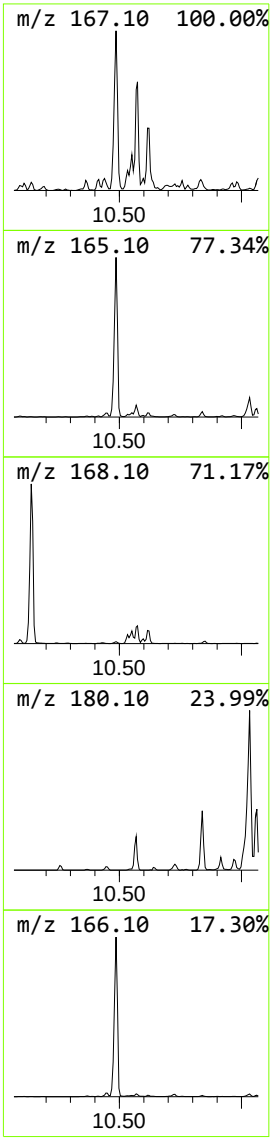
**********

Peak Number 4 1,1'-Biphenyl, 2-methyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.569 | 4.82 ng | 679434 | Acenaphthene-d10 | 9.933 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2-methyl- | 168 | C13H12 | 000643-58-3 | 80 |
| 2 | Diphenylmethane | 168 | C13H12 | 000101-81-5 | 46 |
| 3 | Fluorene, 2,4a-dihydro- | 168 | C13H12 | 059247-36-8 | 43 |
| 4 | Benzene, 1,1'-(chloromethylene)bis- | 202 | C13H11Cl | 000090-99-3 | 43 |
| 5 | Benzene, 1,1'-(bromomethylene)bis- | 246 | C13H11Br | 000776-74-9 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012821\
Data File : BF123069.D
Acq On : 28 Jan 2021 20:15
Operator : JU/CG
Sample : M1255-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
CRT-17

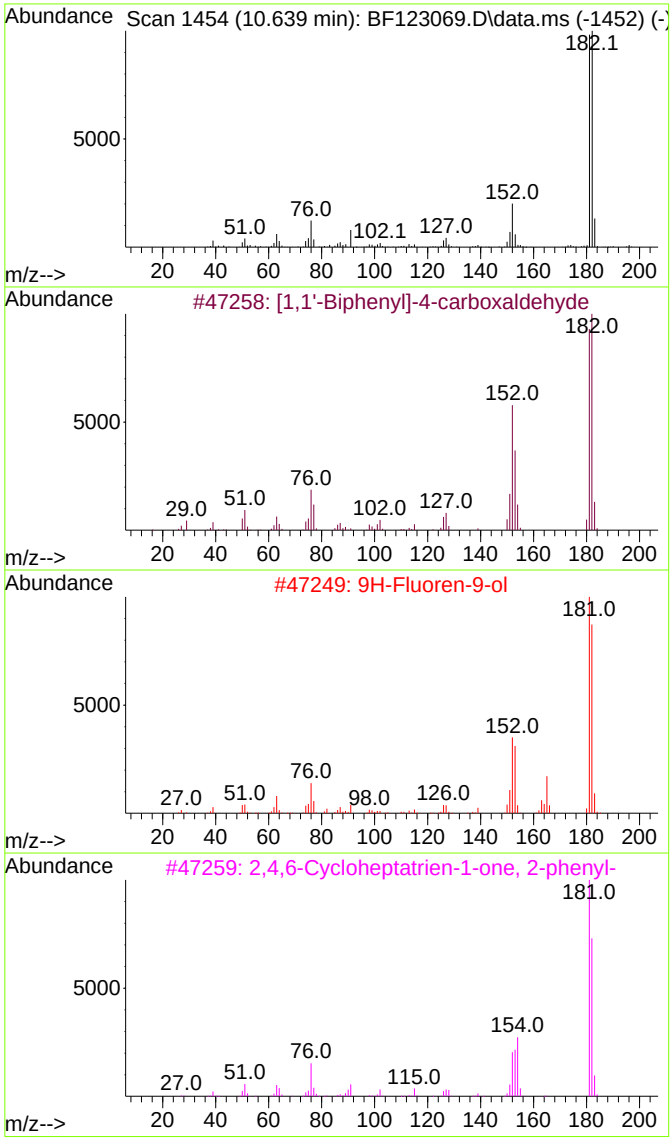
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

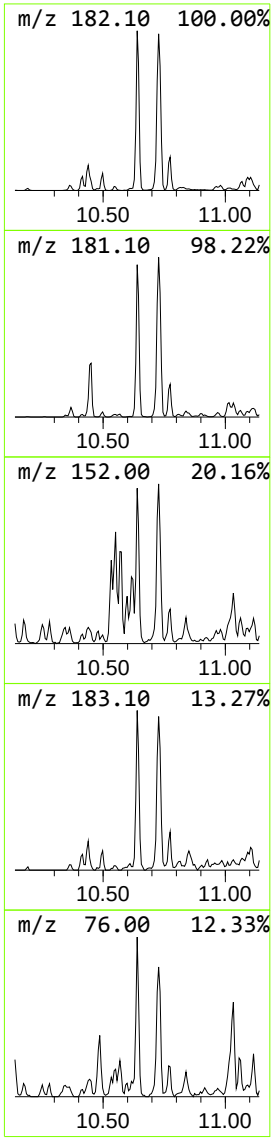
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.639 | 6.40 ng | 902383 | Acenaphthene-d10 | 9.933 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | [1,1'-Biphenyl]-4-carboxaldehyde | 182 | C13H10O | 003218-36-8 | 80 |
| 2 | 9H-Fluoren-9-ol | 182 | C13H10O | 001689-64-1 | 80 |
| 3 | 2,4,6-Cycloheptatrien-1-one, 2-p... | 182 | C13H10O | 014562-09-5 | 78 |
| 4 | Dibenzofuran, 4-methyl- | 182 | C13H10O | 007320-53-8 | 76 |
| 5 | 9H-Xanthene | 182 | C13H10O | 000092-83-1 | 60 |



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Data File : BF123069.D
Acq On : 28 Jan 2021 20:15
Operator : JU/CG
Sample : M1255-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CRT-17

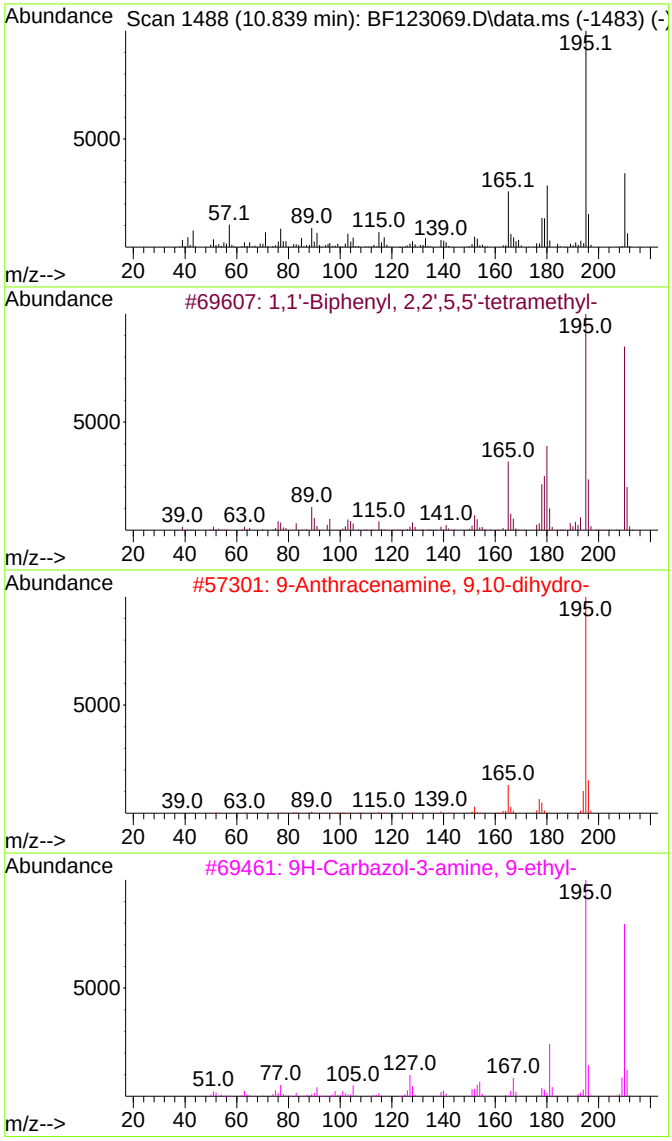
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

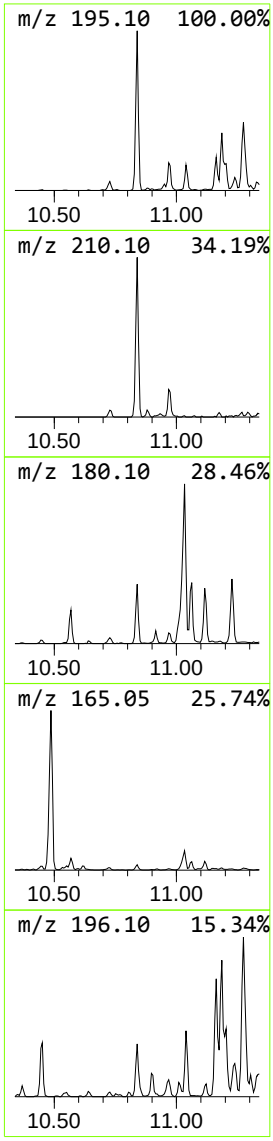
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 1,1'-Biphenyl, 2,2',5,5'-te... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.839 | 6.16 ng | 886252 | Phenanthrene-d10 | 11.427 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2',5,5'-tetrame... | 210 | C16H18 | 003075-84-1 | 89 |
| 2 | 9-Anthracenamine, 9,10-dihydro- | 195 | C14H13N | 097825-91-7 | 58 |
| 3 | 9H-Carbazol-3-amine, 9-ethyl- | 210 | C14H14N2 | 000132-32-1 | 53 |
| 4 | 2,4,6-Trimethoxyacetophenone | 210 | C11H14O4 | 000832-58-6 | 53 |
| 5 | Benzenamine, 4-(2-phenylethenyl)- | 195 | C14H13N | 000834-24-2 | 47 |



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Data File : BF123069.D
Acq On : 28 Jan 2021 20:15
Operator : JU/CG
Sample : M1255-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
CRT-17

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

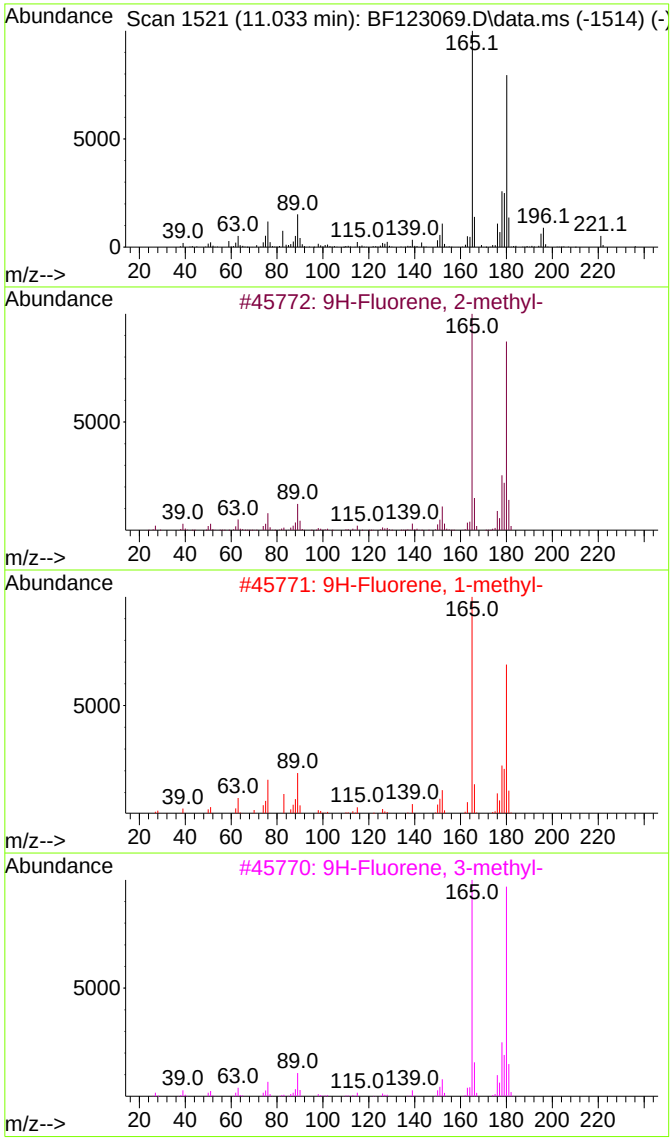
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

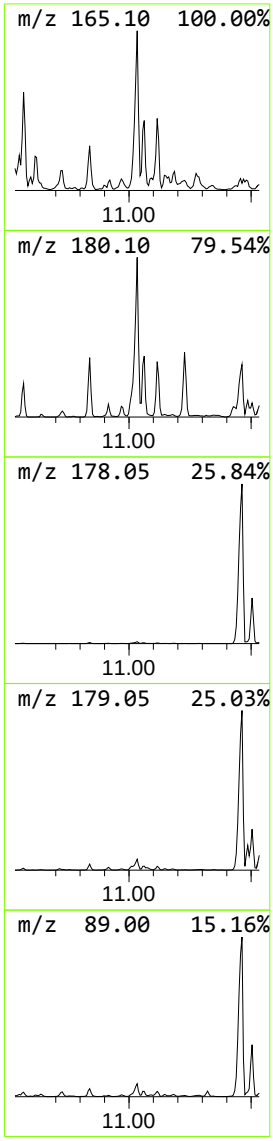
**********

Peak Number 7 9H-Fluorene, 2-methyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.033 | 6.64 ng | 955056 | Phenanthrene-d10 | 11.427 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Fluorene, 2-methyl- | 180 | C14H12 | 001430-97-3 | 96 |
| 2 | 9H-Fluorene, 1-methyl- | 180 | C14H12 | 001730-37-6 | 96 |
| 3 | 9H-Fluorene, 3-methyl- | 180 | C14H12 | 002523-39-9 | 95 |
| 4 | 9H-Fluorene, 9-methyl- | 180 | C14H12 | 002523-37-7 | 93 |
| 5 | 4a,9a-Methano-9H-fluorene | 180 | C14H12 | 019540-84-2 | 89 |



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Data File : BF123069.D
Acq On : 28 Jan 2021 20:15
Operator : JU/CG
Sample : M1255-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CRT-17

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

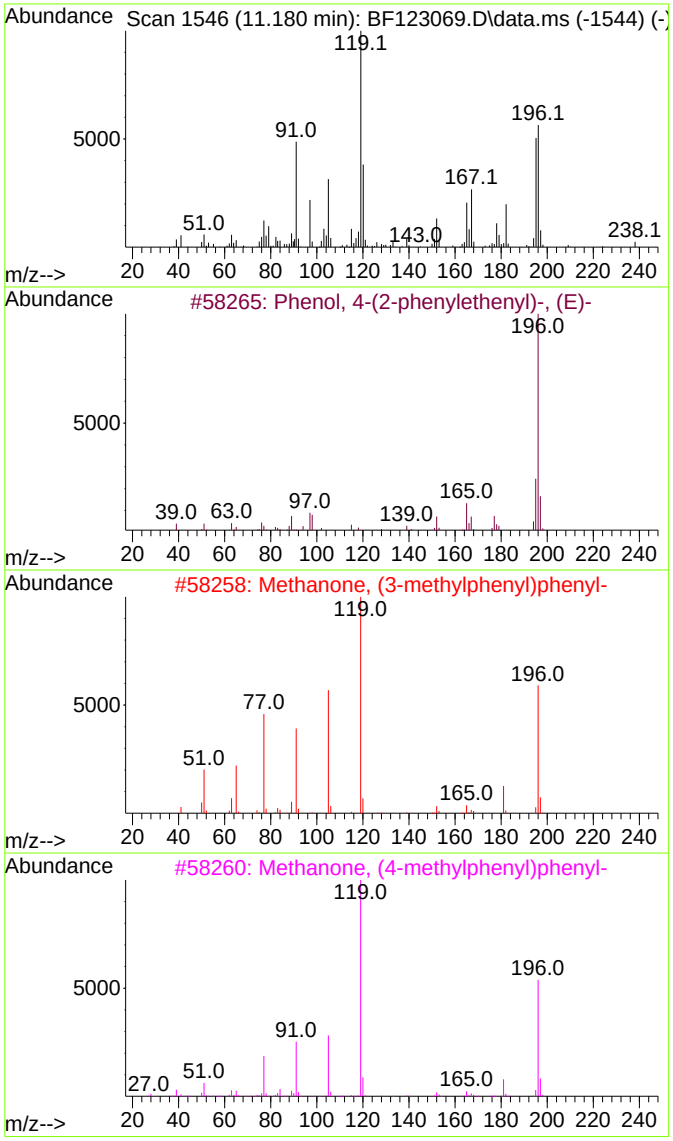
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

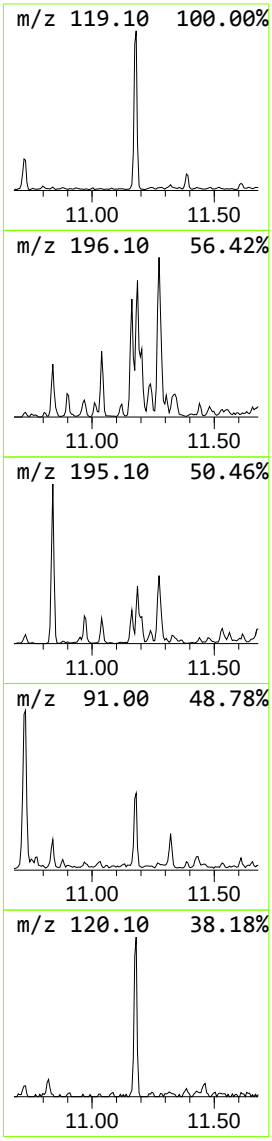
**********

Peak Number 8 unknown11.180 Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.180 | 3.80 ng | 547123 | Phenanthrene-d10 | 11.427 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 4-(2-phenylethenyl)-, (E)- | 196 | C14H12O | 006554-98-9 | 35 |
| 2 | Methanone, (3-methylphenyl)phenyl- | 196 | C14H12O | 000643-65-2 | 35 |
| 3 | Methanone, (4-methylphenyl)phenyl- | 196 | C14H12O | 000134-84-9 | 35 |
| 4 | 3-Pyridinecarbonitrile, 1,4-dihy... | 120 | C7H8N2 | 019424-15-8 | 27 |
| 5 | Benzamide, 4-methyl-N-methoxy- | 165 | C9H11NO2 | 025563-06-8 | 22 |



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Data File : BF123069.D
Acq On : 28 Jan 2021 20:15
Operator : JU/CG
Sample : M1255-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
CRT-17

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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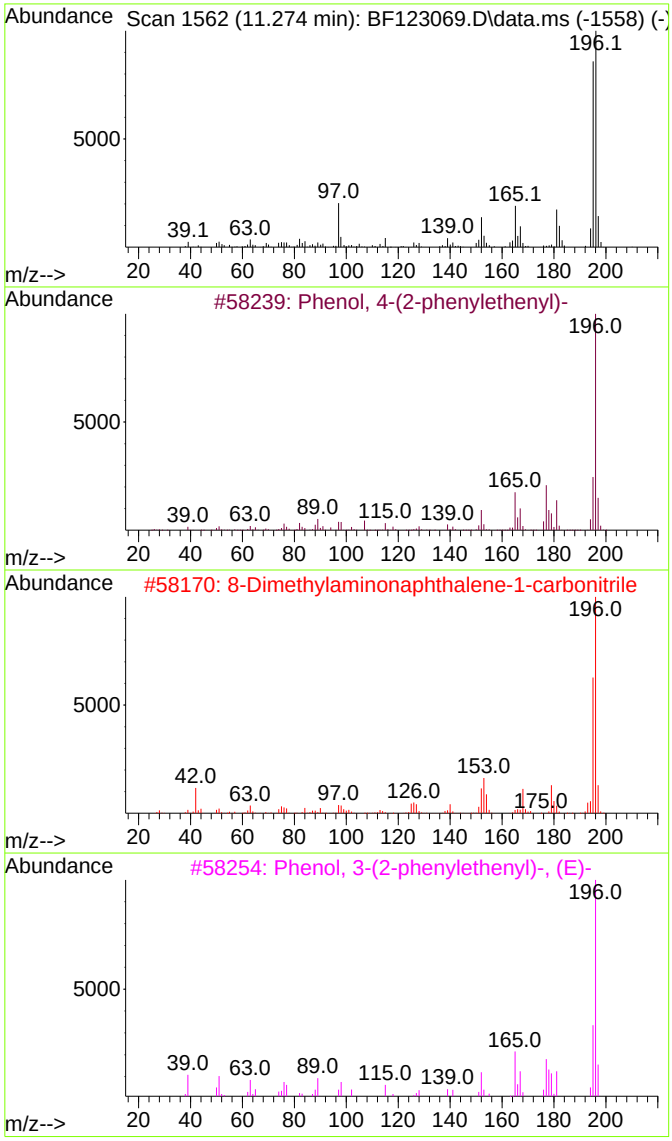
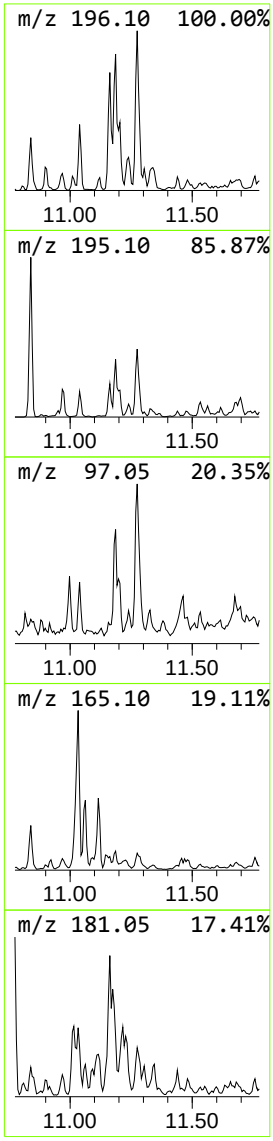
Peak Number 9 Phenol, 4-(2-phenylethenyl)- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.274 | 4.63 ng | 666855 | Phenanthrene-d10 | 11.427 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 4-(2-phenylethenyl)- | 196 | C14H12O | 003839-46-1 | 64 |
| 2 | 8-Dimethylaminonaphthalene-1-car... | 196 | C13H12N2 | 128644-69-9 | 64 |
| 3 | Phenol, 3-(2-phenylethenyl)-, (E)- | 196 | C14H12O | 017861-18-6 | 58 |
| 4 | 2,4,6-Trimethoxybenzaldehyde | 196 | C10H12O4 | 000830-79-5 | 49 |
| 5 | Phenol, 4-(2-phenylethenyl)-, (E)- | 196 | C14H12O | 006554-98-9 | 46 |



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Data File : BF123069.D
Acq On : 28 Jan 2021 20:15
Operator : JU/CG
Sample : M1255-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
CRT-17

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

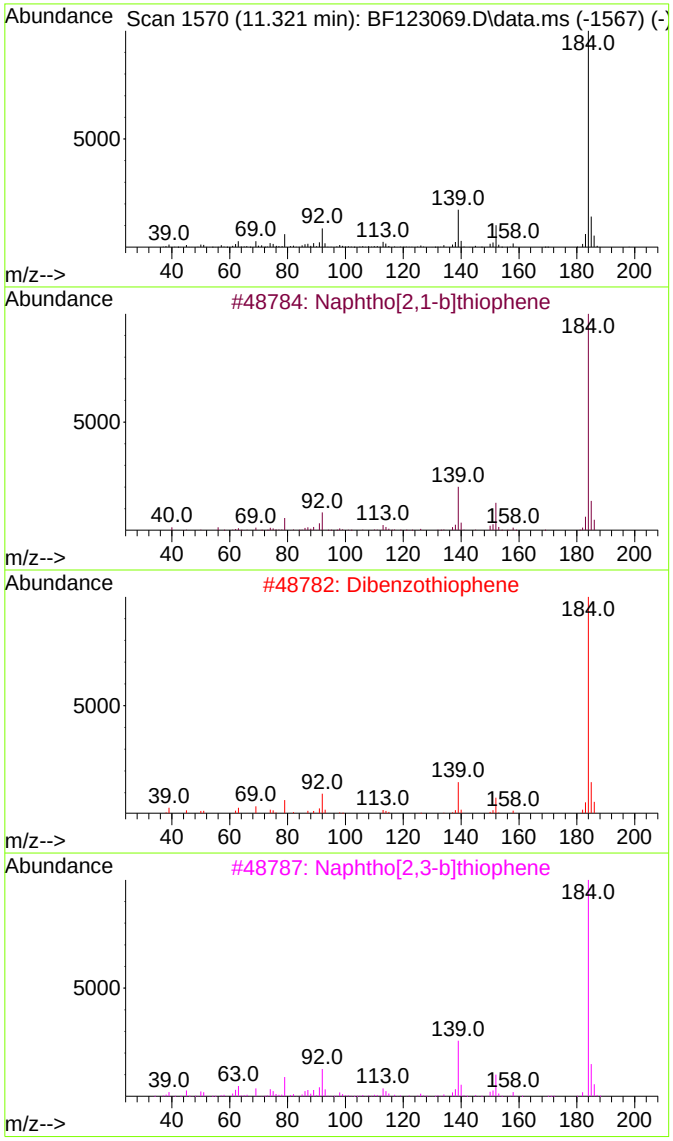
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

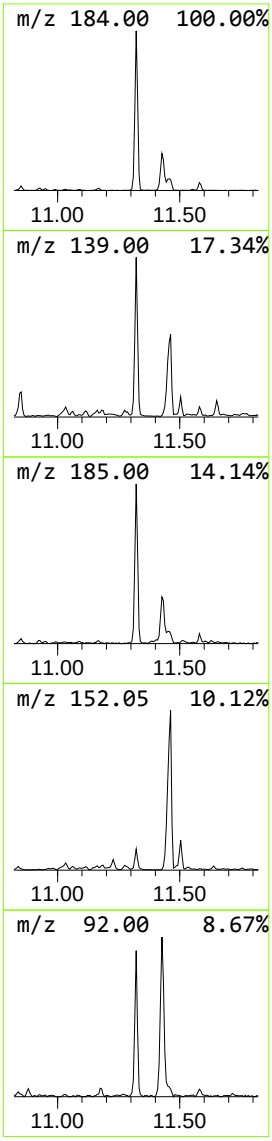
**********

Peak Number 10 Naphtho[2,1-b]thiophene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.321 | 8.84 ng | 1272420 | Phenanthrene-d10 | 11.427 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphtho[2,1-b]thiophene | 184 | C12H8S | 000233-02-3 | 97 |
| 2 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 96 |
| 3 | Naphtho[2,3-b]thiophene | 184 | C12H8S | 000268-77-9 | 95 |
| 4 | Azuleno(2,1-b)thiophene | 184 | C12H8S | 000248-13-5 | 80 |
| 5 | Naphthalene, 2-ethenyl-6-methoxy- | 184 | C13H12O | 063444-51-9 | 72 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012821\
Data File : BF123069.D
Acq On : 28 Jan 2021 20:15
Operator : JU/CG
Sample : M1255-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CRT-17

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

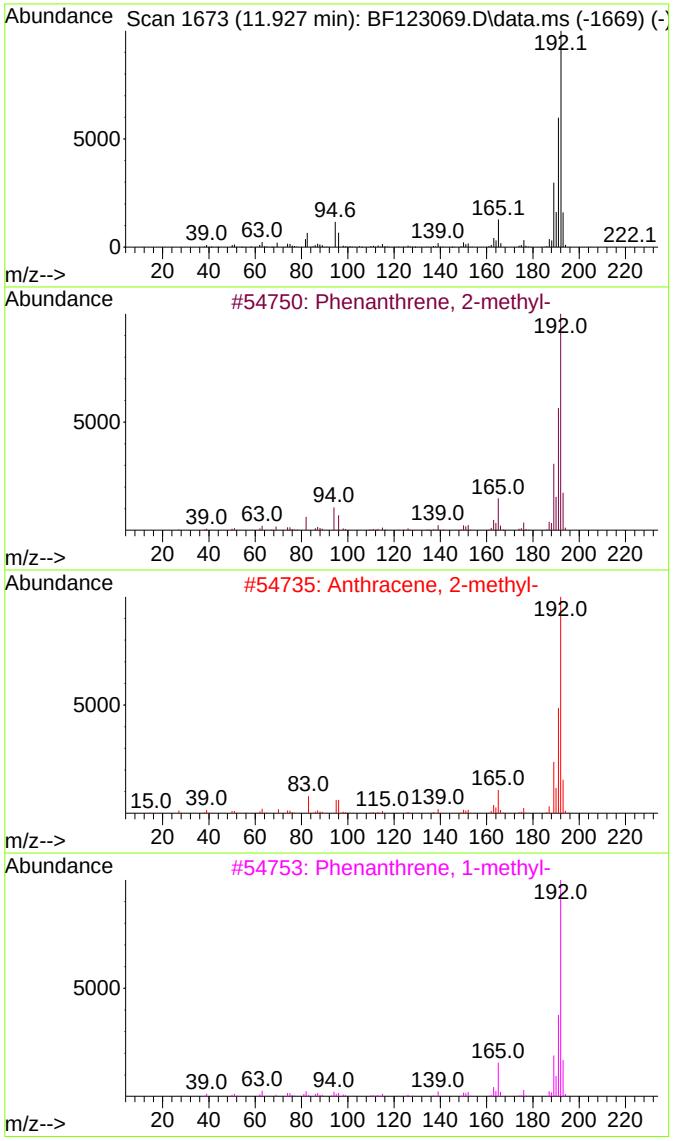
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

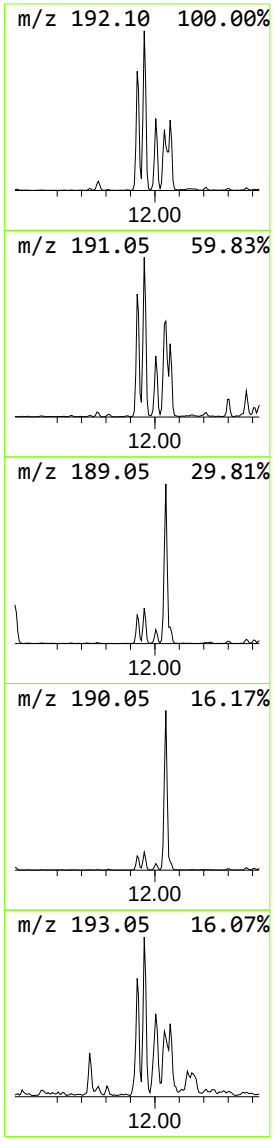
**********

Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.927 | 7.04 ng | 1013400 | Phenanthrene-d10 | 11.427 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 96 |
| 2 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 96 |
| 3 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 95 |
| 4 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 93 |
| 5 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 90 |



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Data File : BF123069.D
Acq On : 28 Jan 2021 20:15
Operator : JU/CG
Sample : M1255-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
CRT-17

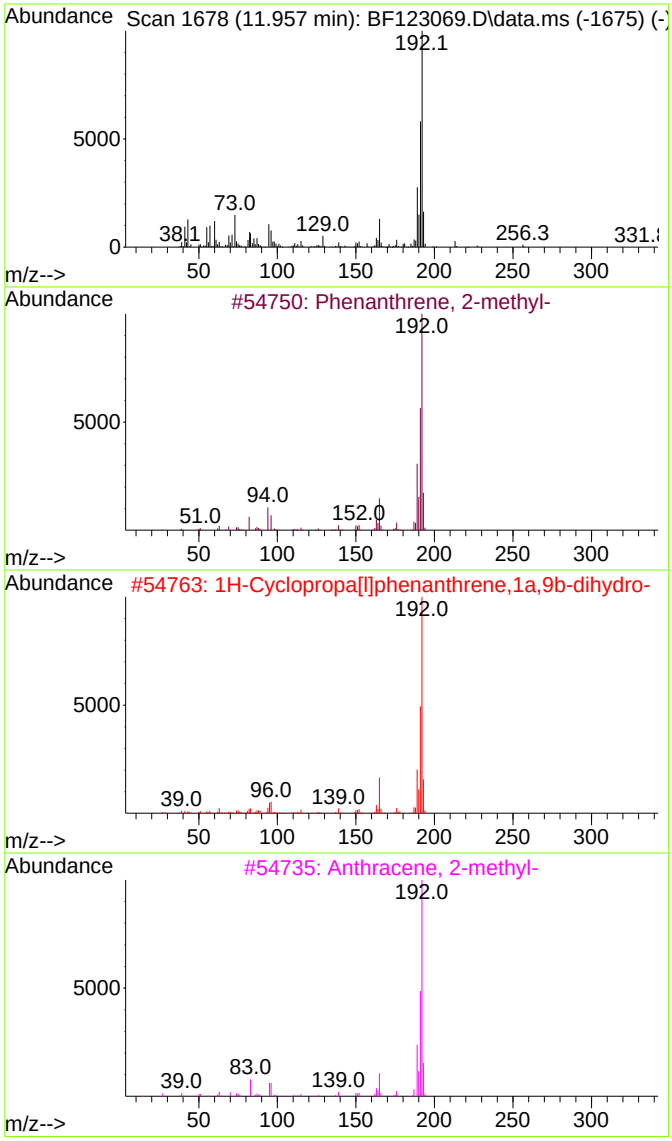
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

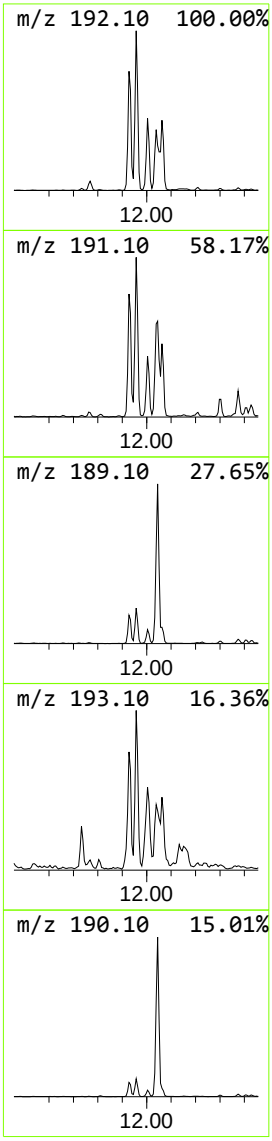
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 12 1H-Cyclopropa[l]phenanthren... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.957 | 11.81 ng | 1700400 | Phenanthrene-d10 | 11.427 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 98 |
| 2 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 96 |
| 3 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 96 |
| 4 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 96 |
| 5 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 96 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012821\
Data File : BF123069.D
Acq On : 28 Jan 2021 20:15
Operator : JU/CG
Sample : M1255-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CRT-17

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

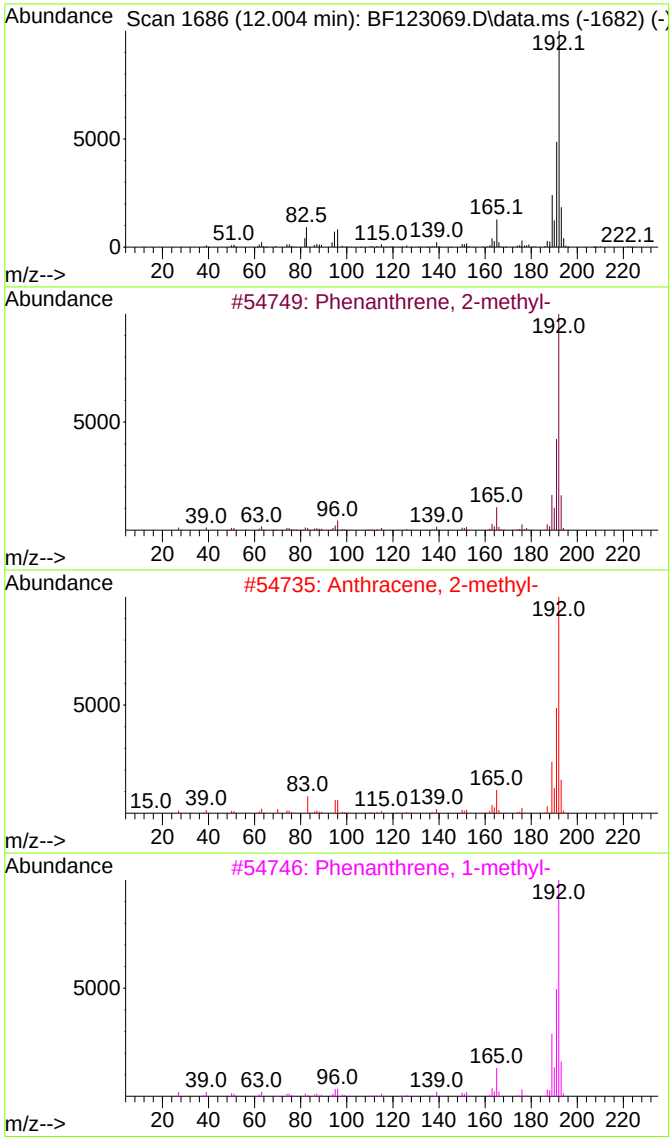
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

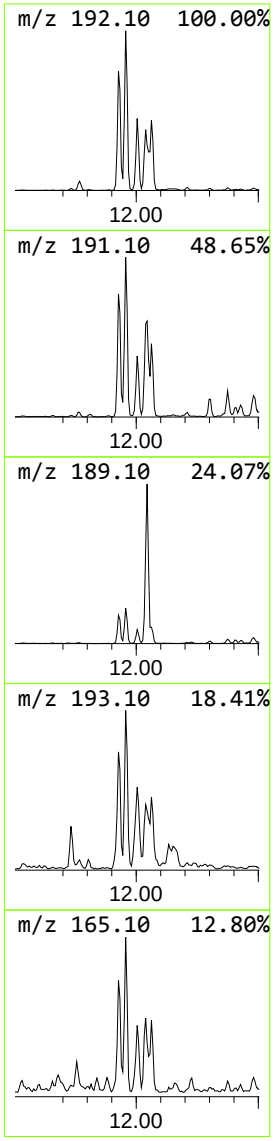
**********

Peak Number 13 Anthracene, 2-methyl- Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.004 | 4.07 ng | 585914 | Phenanthrene-d10 | 11.427 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 96 |
| 2 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 96 |
| 3 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 96 |
| 4 | Phenanthrene, 3-methyl- | 192 | C15H12 | 000832-71-3 | 94 |
| 5 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 94 |



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Data File : BF123069.D
Acq On : 28 Jan 2021 20:15
Operator : JU/CG
Sample : M1255-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CRT-17

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

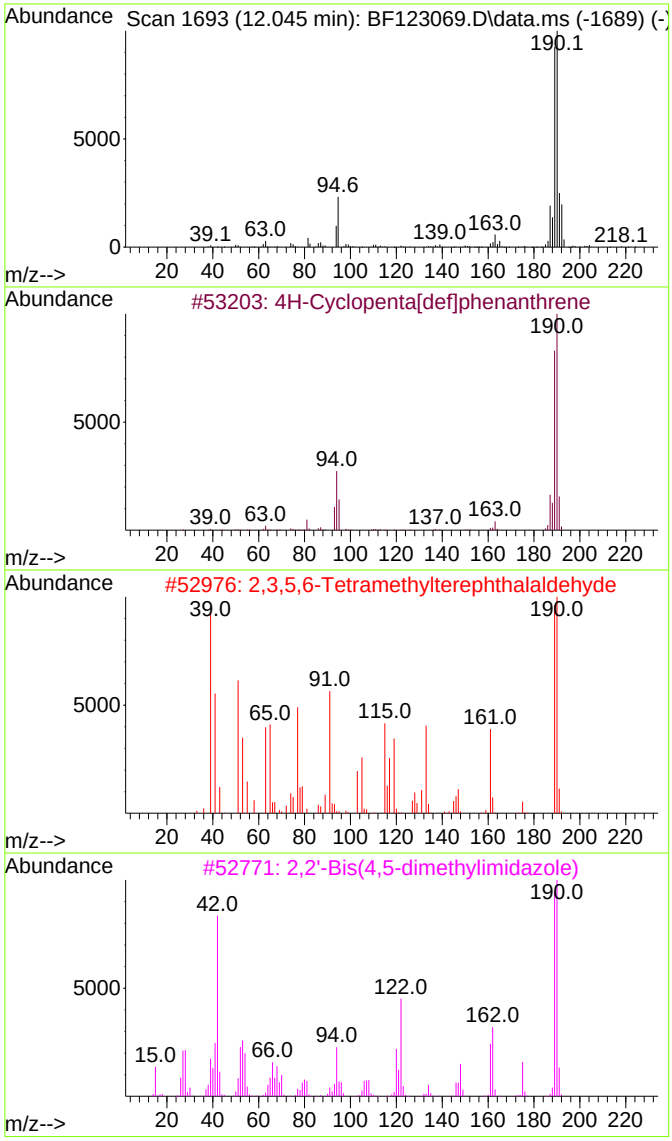
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

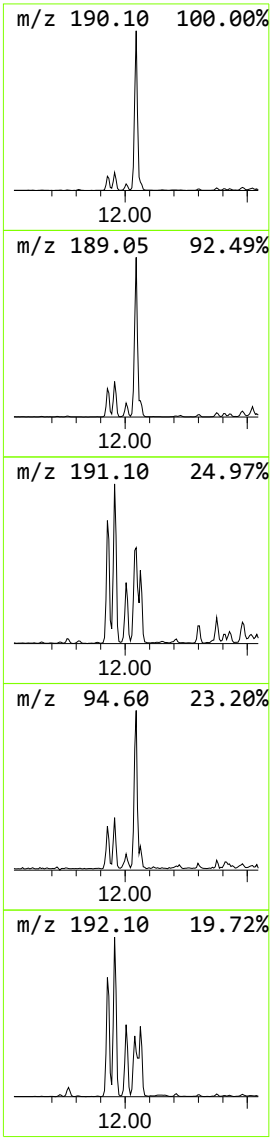
**********

Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.045 | 15.83 ng | 2279200 | Phenanthrene-d10 | 11.427 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 94 |
| 2 | 2,3,5,6-Tetramethylterephthalald... | 190 | C12H14O2 | 007072-01-7 | 50 |
| 3 | 2,2'-Bis(4,5-dimethylimidazole) | 190 | C10H14N4 | 069286-06-2 | 45 |
| 4 | Thiophene-3-carboxaldehyde, 5-ch... | 190 | C5H4BClO3S | 036155-87-0 | 40 |
| 5 | 1,4-Naphthalenedione, 2,5-dihydr... | 190 | C10H6O4 | 004923-55-1 | 25 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012821\
Data File : BF123069.D
Acq On : 28 Jan 2021 20:15
Operator : JU/CG
Sample : M1255-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CRT-17

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

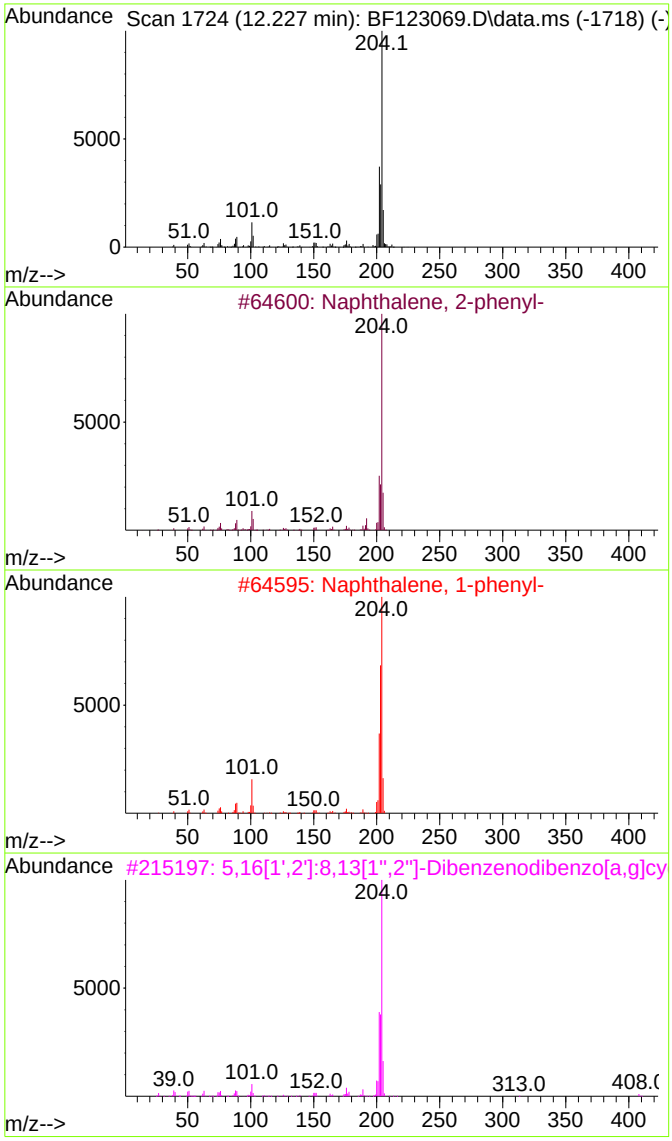
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

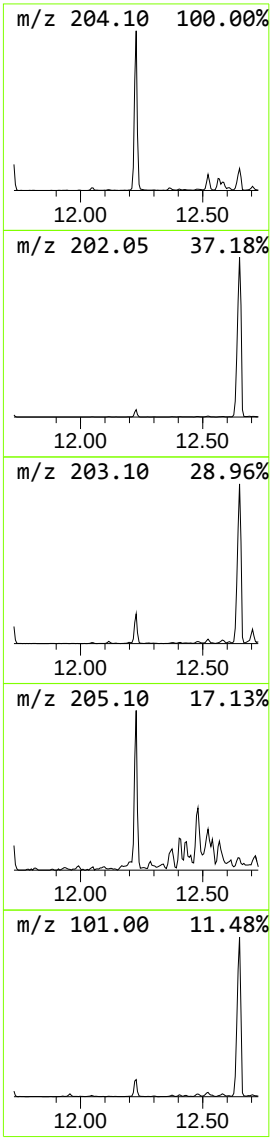
**********

Peak Number 15 Naphthalene, 2-phenyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.227 | 6.24 ng | 898313 | Phenanthrene-d10 | 11.427 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 96 |
| 2 | Naphthalene, 1-phenyl- | 204 | C16H12 | 000605-02-7 | 93 |
| 3 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 87 |
| 4 | Acephenanthrylene, 4,5-dihydro- | 204 | C16H12 | 006232-48-0 | 64 |
| 5 | 9,10-Bis(bromomethyl)anthracene | 362 | C16H12Br2 | 034373-96-1 | 62 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012821\
Data File : BF123069.D
Acq On : 28 Jan 2021 20:15
Operator : JU/CG
Sample : M1255-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
CRT-17

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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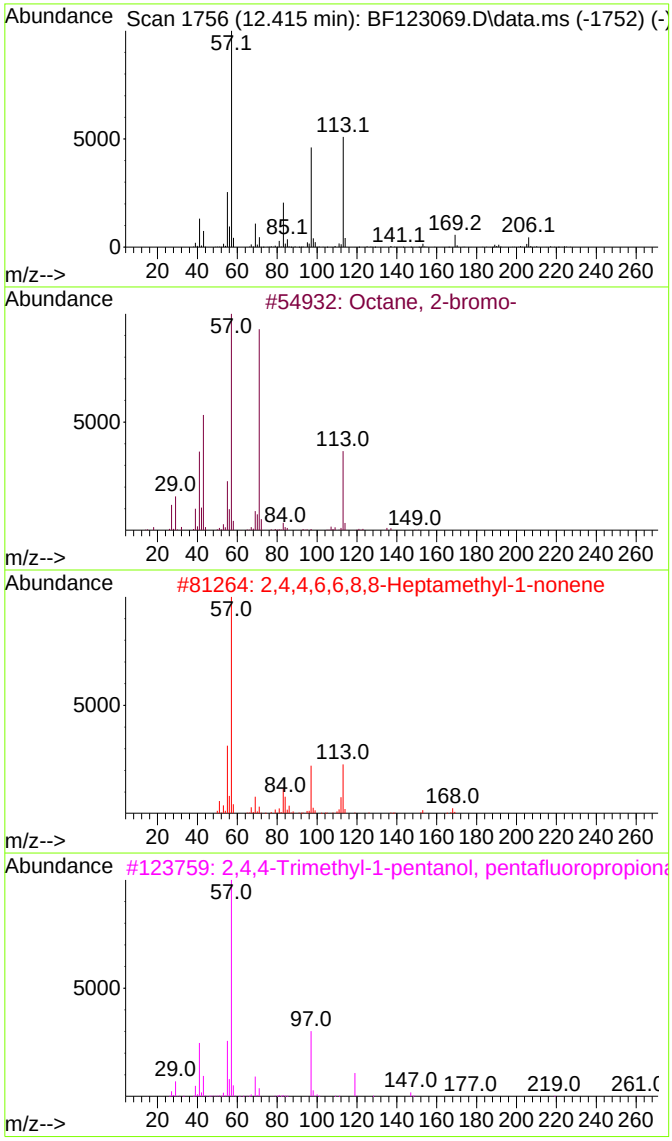
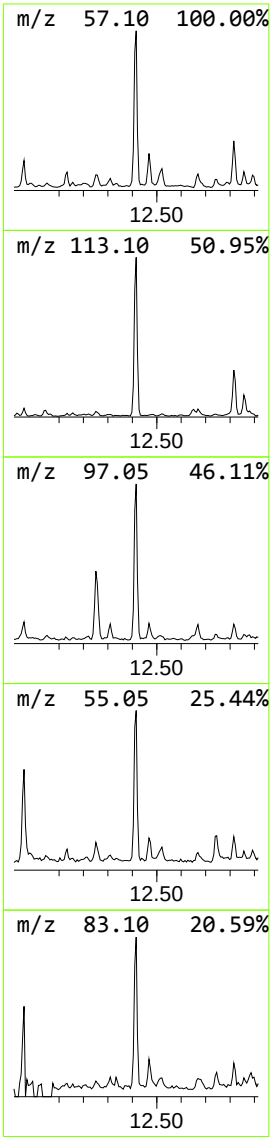
Peak Number 16 unknown12.416 Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.416 | 6.64 ng | 955787 | Phenanthrene-d10 | 11.427 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octane, 2-bromo- | 192 | C8H17Br | 000557-35-7 | 32 |
| 2 | 2,4,4,6,6,8,8-Heptamethyl-1-nonene | 224 | C16H32 | 015796-04-0 | 28 |
| 3 | 2,4,4-Trimethyl-1-pentanol, pent... | 276 | C11H17F5O2 | 1000365-51-0 | 16 |
| 4 | Hexanal, 3,5,5-trimethyl- | 142 | C9H18O | 005435-64-3 | 14 |
| 5 | (E)-3-(Dimethylamino)-2-pentene | 113 | C7H15N | 032317-47-8 | 12 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012821\
Data File : BF123069.D
Acq On : 28 Jan 2021 20:15
Operator : JU/CG
Sample : M1255-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
CRT-17

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

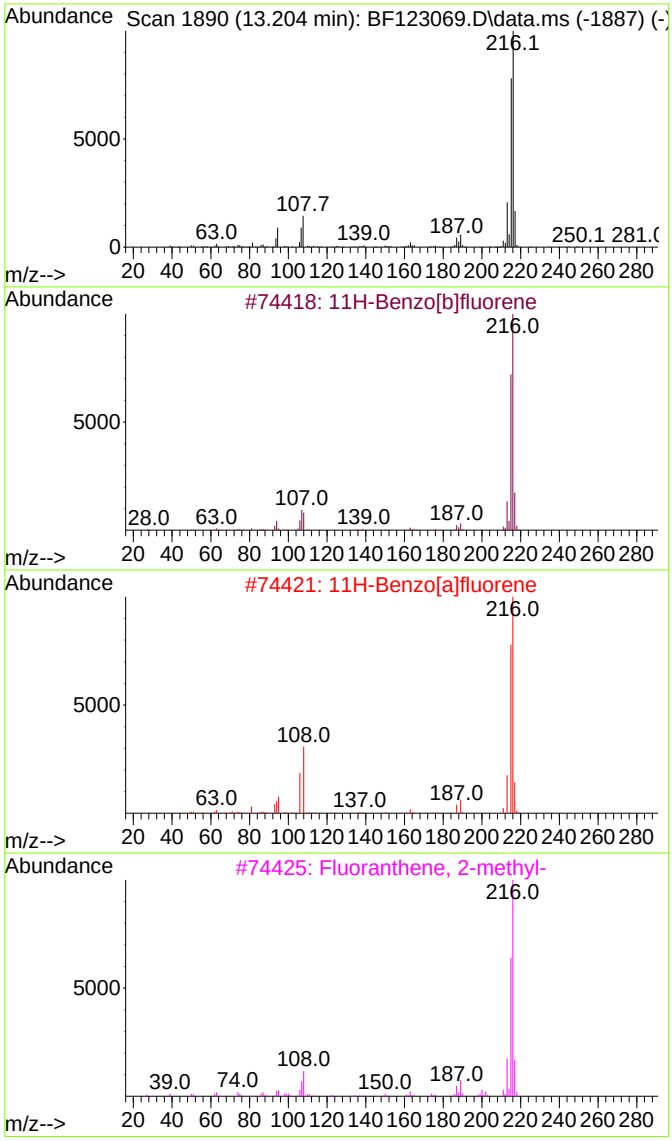
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

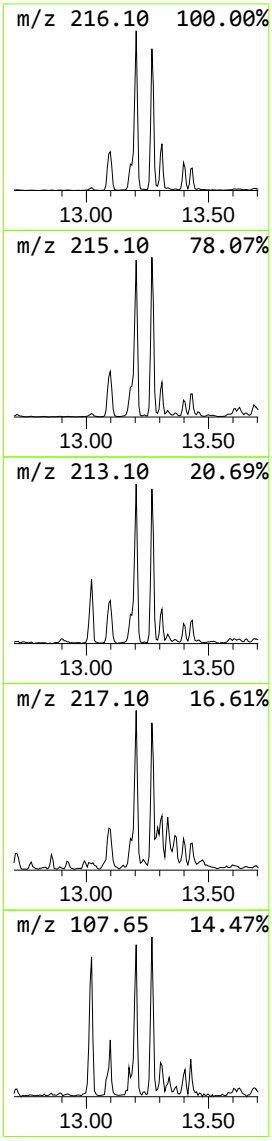
**********

Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.204 | 4.44 ng | 1071430 | Chrysene-d12 | 14.080 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 94 |
| 2 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 93 |
| 3 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 91 |
| 4 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 87 |
| 5 | 7H-Benzo[c]fluorene | 216 | C17H12 | 000205-12-9 | 72 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012821\
Data File : BF123069.D
Acq On : 28 Jan 2021 20:15
Operator : JU/CG
Sample : M1255-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
CRT-17

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

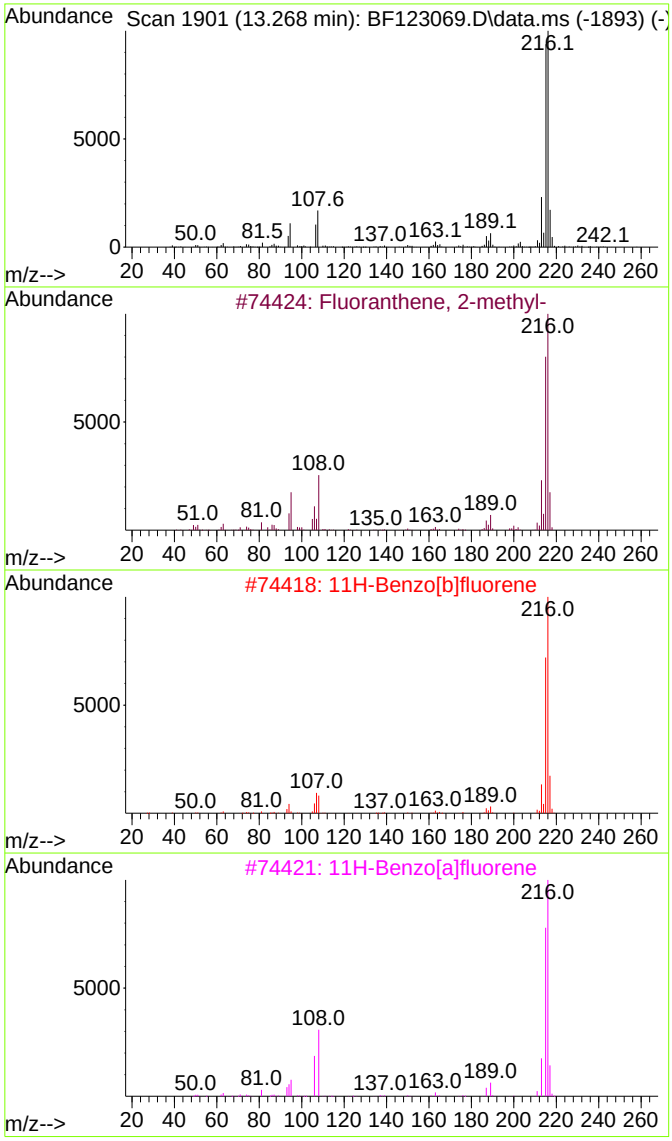
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

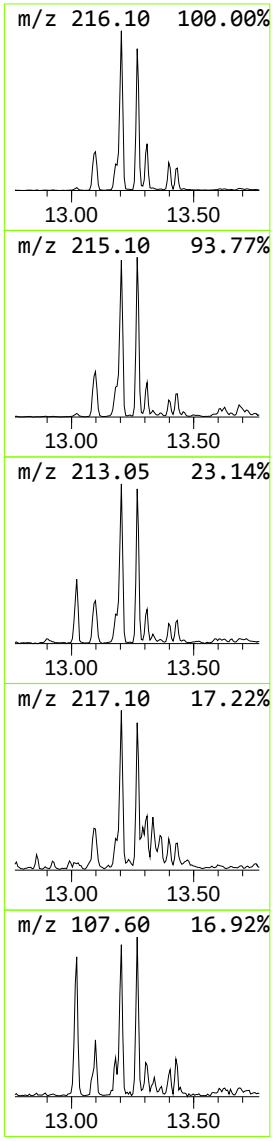
**********

Peak Number 18 Fluoranthene, 2-methyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.268 | 4.91 ng | 1184370 | Chrysene-d12 | 14.080 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 95 |
| 2 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 93 |
| 3 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 87 |
| 4 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 83 |
| 5 | 7H-Benzo[c]fluorene | 216 | C17H12 | 000205-12-9 | 74 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012821\
Data File : BF123069.D
Acq On : 28 Jan 2021 20:15
Operator : JU/CG
Sample : M1255-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
CRT-17

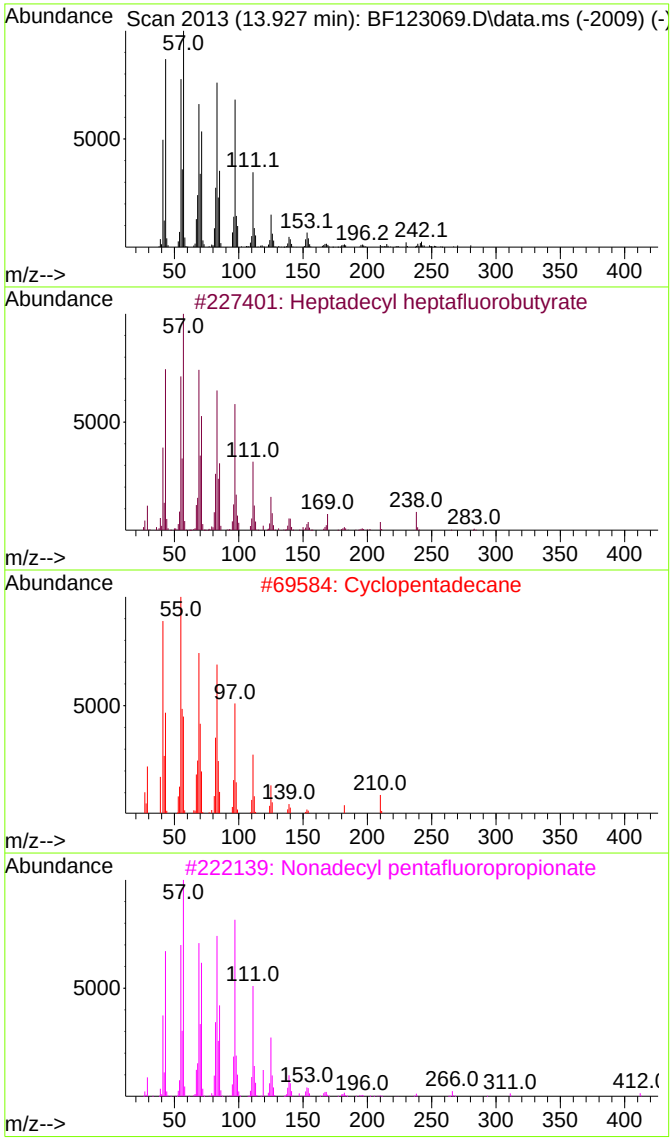
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

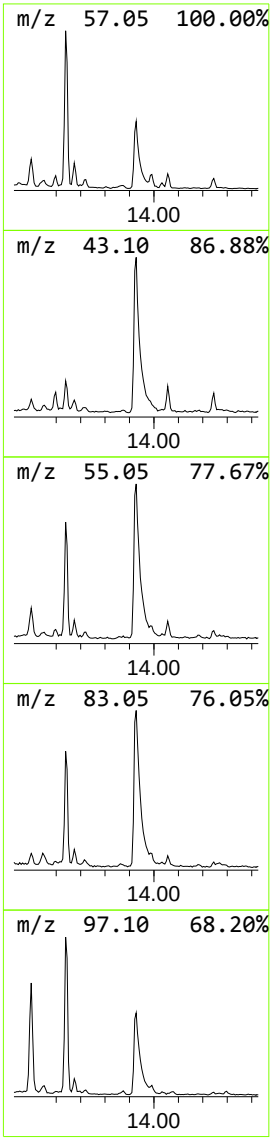
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 19 Heptadecyl heptafluorobutyrate Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.927 | 7.83 ng | 1888470 | Chrysene-d12 | 14.080 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecyl heptafluorobutyrate | 452 | C21H35F7O2 | 959085-66-6 | 94 |
| 2 | Cyclopentadecane | 210 | C15H30 | 000295-48-7 | 93 |
| 3 | Nonadecyl pentafluoropropionate | 430 | C22H39F5O2 | 1000351-88-8 | 91 |
| 4 | Octadecyl trifluoroacetate | 366 | C20H37F3O2 | 079392-43-1 | 91 |
| 5 | 1-Docosene | 308 | C22H44 | 001599-67-3 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012821\
Data File : BF123069.D
Acq On : 28 Jan 2021 20:15
Operator : JU/CG
Sample : M1255-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
CRT-17

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

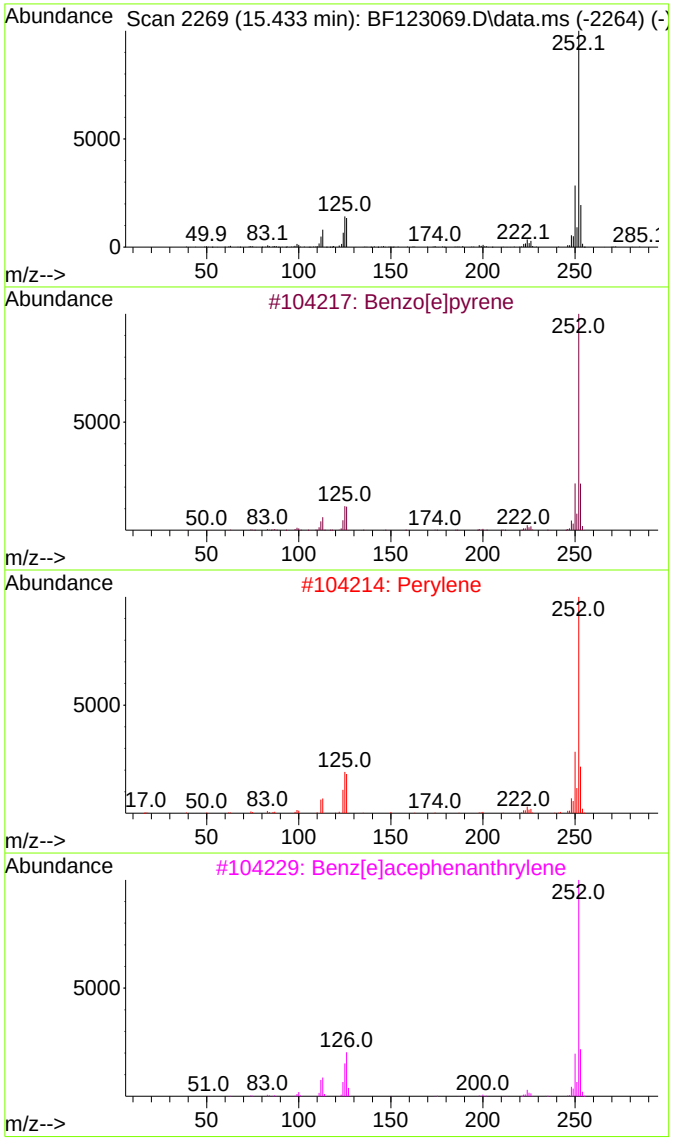
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

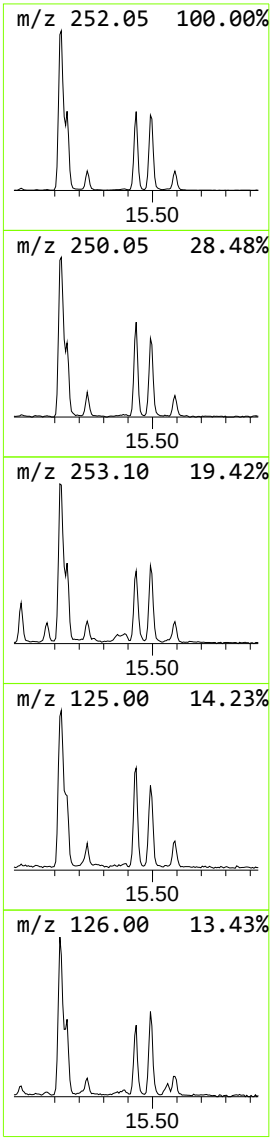
**********

Peak Number 20 Benzo[e]pyrene Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.433 | 4.70 ng | 466963 | Perylene-d12 | 15.562 |

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



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012821\
Data File : BF123069.D
Acq On : 28 Jan 2021 20:15
Operator : JU/CG
Sample : M1255-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CRT-17

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Butane, 2-metho... | 2.175 | 10.1 | ng | 737752 | 1 | 6.892 | 1455060 | 20.0 |
| Naphthalene, 2,... | 9.516 | 4.5 | ng | 634662 | 3 | 9.933 | 2819020 | 20.0 |
| Naphthalene, 2,... | 9.592 | 4.9 | ng | 692079 | 3 | 9.933 | 2819020 | 20.0 |
| 1,1'-Biphenyl, ... | 10.569 | 4.8 | ng | 679434 | 3 | 9.933 | 2819020 | 20.0 |
| [1,1'-Biphenyl]... | 10.639 | 6.4 | ng | 902383 | 3 | 9.933 | 2819020 | 20.0 |
| 1,1'-Biphenyl, ... | 10.839 | 6.2 | ng | 886252 | 4 | 11.427 | 2878780 | 20.0 |
| 9H-Fluorene, 2-... | 11.033 | 6.6 | ng | 955056 | 4 | 11.427 | 2878780 | 20.0 |
| unknown11.180 | 11.180 | 3.8 | ng | 547123 | 4 | 11.427 | 2878780 | 20.0 |
| Phenol, 4-(2-ph... | 11.274 | 4.6 | ng | 666855 | 4 | 11.427 | 2878780 | 20.0 |
| Naphtho[2,1-b]t... | 11.321 | 8.8 | ng | 1272420 | 4 | 11.427 | 2878780 | 20.0 |
| Phenanthrene, 2... | 11.927 | 7.0 | ng | 1013400 | 4 | 11.427 | 2878780 | 20.0 |
| 1H-Cyclopropa[l... | 11.957 | 11.8 | ng | 1700400 | 4 | 11.427 | 2878780 | 20.0 |
| Anthracene, 2-m... | 12.004 | 4.1 | ng | 585914 | 4 | 11.427 | 2878780 | 20.0 |
| 4H-Cyclopenta[d... | 12.045 | 15.8 | ng | 2279200 | 4 | 11.427 | 2878780 | 20.0 |
| Naphthalene, 2-... | 12.227 | 6.2 | ng | 898313 | 4 | 11.427 | 2878780 | 20.0 |
| unknown12.416 | 12.416 | 6.6 | ng | 955787 | 4 | 11.427 | 2878780 | 20.0 |
| 11H-Benzo[b]flu... | 13.204 | 4.4 | ng | 1071430 | 5 | 14.080 | 4821550 | 20.0 |
| Fluoranthene, 2... | 13.268 | 4.9 | ng | 1184370 | 5 | 14.080 | 4821550 | 20.0 |
| Heptadecyl hept... | 13.927 | 7.8 | ng | 1888470 | 5 | 14.080 | 4821550 | 20.0 |
| Benzo[e]pyrene | 15.433 | 4.7 | ng | 466963 | 6 | 15.562 | 1985320 | 20.0 |