LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
Data File : BF129495.D
Acq On : 02 Aug 2022 02:46
Operator : CG\JU
Sample : N3976-03 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP2-0729

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-BF072522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF129495.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.946 | 278 | 282 | 287 | rVB | 24529 | 30622 | 1.61% | 0.138% |
| 2 | 5.463 | 536 | 540 | 545 | rBV | 20005 | 21903 | 1.15% | 0.099% |
| 3 | 5.510 | 545 | 548 | 556 | rBV | 347428 | 313661 | 16.48% | 1.417% |
| 4 | 6.116 | 646 | 651 | 658 | rBV5 | 9298 | 19738 | 1.04% | 0.089% |
| 5 | 6.398 | 696 | 699 | 702 | rBV2 | 21956 | 21208 | 1.11% | 0.096% |
| 6 | 6.522 | 717 | 720 | 731 | rBV | 316375 | 309375 | 16.26% | 1.398% |
| 7 | 6.698 | 747 | 750 | 754 | rBV2 | 33621 | 32806 | 1.72% | 0.148% |
| 8 | 6.875 | 776 | 780 | 784 | rBV | 1184812 | 971335 | 51.04% | 4.388% |
| 9 | 7.192 | 828 | 834 | 841 | rVB6 | 12569 | 19921 | 1.05% | 0.090% |
| 10 | 7.269 | 841 | 847 | 849 | rBV3 | 21531 | 23202 | 1.22% | 0.105% |
| 11 | 7.404 | 864 | 870 | 872 | rBV3 | 27003 | 27738 | 1.46% | 0.125% |
| 12 | 7.434 | 872 | 875 | 878 | rVV | 184189 | 177153 | 9.31% | 0.800% |
| 13 | 7.457 | 878 | 879 | 884 | rVB | 22985 | 23337 | 1.23% | 0.105% |
| 14 | 7.516 | 884 | 889 | 892 | rVB5 | 18144 | 25786 | 1.36% | 0.116% |
| 15 | 7.681 | 914 | 917 | 922 | rVB4 | 19295 | 21314 | 1.12% | 0.096% |
| 16 | 7.792 | 934 | 936 | 940 | rBV4 | 21392 | 23963 | 1.26% | 0.108% |
| 17 | 7.892 | 951 | 953 | 959 | rBV4 | 22546 | 28065 | 1.47% | 0.127% |
| 18 | 8.128 | 991 | 993 | 995 | rBV | 25942 | 25155 | 1.32% | 0.114% |
| 19 | 8.157 | 995 | 998 | 1001 | rVV | 1311183 | 1154274 | 60.66% | 5.215% |
| 20 | 8.181 | 1001 | 1002 | 1004 | rVV | 145707 | 80723 | 4.24% | 0.365% |
| 21 | 8.204 | 1004 | 1006 | 1009 | rVV | 33088 | 31687 | 1.67% | 0.143% |
| 22 | 8.439 | 1040 | 1046 | 1051 | rBV6 | 22297 | 34107 | 1.79% | 0.154% |
| 23 | 8.569 | 1065 | 1068 | 1070 | rBV | 74255 | 59134 | 3.11% | 0.267% |
| 24 | 8.739 | 1094 | 1097 | 1101 | rBV | 28169 | 23663 | 1.24% | 0.107% |
| 25 | 8.869 | 1117 | 1119 | 1122 | rBV | 64816 | 55499 | 2.92% | 0.251% |
| 26 | 8.969 | 1133 | 1136 | 1139 | rVB | 41965 | 35608 | 1.87% | 0.161% |
| 27 | 9.169 | 1168 | 1170 | 1173 | rVB | 53762 | 36760 | 1.93% | 0.166% |
| 28 | 9.228 | 1177 | 1180 | 1185 | rVB | 315384 | 290718 | 15.28% | 1.313% |
| 29 | 9.304 | 1189 | 1193 | 1196 | rBV | 36074 | 36714 | 1.93% | 0.166% |
| 30 | 9.428 | 1209 | 1214 | 1222 | rVB | 24794 | 31287 | 1.64% | 0.141% |
| 31 | 9.498 | 1222 | 1226 | 1230 | rBV3 | 26665 | 34001 | 1.79% | 0.154% |
| 32 | 9.575 | 1235 | 1239 | 1241 | rVV | 33931 | 38635 | 2.03% | 0.175% |
| 33 | 9.622 | 1244 | 1247 | 1250 | rVV3 | 69420 | 68739 | 3.61% | 0.311% |
| 34 | 9.775 | 1270 | 1273 | 1277 | rVV | 31396 | 27559 | 1.45% | 0.125% |
| 35 | 9.833 | 1278 | 1283 | 1286 | rVB2 | 26850 | 33955 | 1.78% | 0.153% |
| 36 | 9.916 | 1291 | 1297 | 1300 | rVV | 1304308 | 1074166 | 56.45% | 4.853% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
Data File : BF129495.D
Acq On : 02 Aug 2022 02:46
Operator : CG\JU
Sample : N3976-03 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP2-0729

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-BF072522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 9.945 | 1300 | 1302 | 1306 | rVB | 151167 | 135117 | 7.10% | 0.610% |
| 38 | 10.016 | 1311 | 1314 | 1319 | rVB3 | 18600 | 24347 | 1.28% | 0.110% |
| 39 | 10.075 | 1319 | 1324 | 1326 | rBV3 | 21163 | 33732 | 1.77% | 0.152% |
| 40 | 10.122 | 1328 | 1332 | 1335 | rVV2 | 53422 | 56792 | 2.98% | 0.257% |
| 41 | 10.157 | 1335 | 1338 | 1342 | rVB3 | 20207 | 20553 | 1.08% | 0.093% |
| 42 | 10.228 | 1347 | 1350 | 1353 | rBV2 | 20351 | 22951 | 1.21% | 0.104% |
| 43 | 10.333 | 1362 | 1368 | 1371 | rVB4 | 27675 | 46321 | 2.43% | 0.209% |
| 44 | 10.463 | 1386 | 1390 | 1395 | rVB2 | 77871 | 75545 | 3.97% | 0.341% |
| 45 | 10.551 | 1403 | 1405 | 1407 | rVB2 | 35137 | 26832 | 1.41% | 0.121% |
| 46 | 10.622 | 1415 | 1417 | 1421 | rVB2 | 24969 | 22435 | 1.18% | 0.101% |
| 47 | 10.710 | 1428 | 1432 | 1435 | rBV | 186408 | 178641 | 9.39% | 0.807% |
| 48 | 10.822 | 1445 | 1451 | 1458 | rVB3 | 47718 | 89201 | 4.69% | 0.403% |
| 49 | 11.139 | 1500 | 1505 | 1507 | rBV5 | 18360 | 32492 | 1.71% | 0.147% |
| 50 | 11.210 | 1514 | 1517 | 1520 | rVB | 32540 | 28166 | 1.48% | 0.127% |
| 51 | 11.257 | 1521 | 1525 | 1528 | rVV2 | 38789 | 52213 | 2.74% | 0.236% |
| 52 | 11.304 | 1531 | 1533 | 1538 | rVB | 47843 | 40237 | 2.11% | 0.182% |
| 53 | 11.410 | 1547 | 1551 | 1553 | rBV | 1171737 | 1150485 | 60.46% | 5.198% |
| 54 | 11.433 | 1553 | 1555 | 1558 | rVV | 655691 | 525568 | 27.62% | 2.374% |
| 55 | 11.480 | 1560 | 1563 | 1566 | rVV | 188593 | 157085 | 8.25% | 0.710% |
| 56 | 11.516 | 1566 | 1569 | 1572 | rVV | 31376 | 28478 | 1.50% | 0.129% |
| 57 | 11.639 | 1585 | 1590 | 1594 | rBV | 123575 | 127741 | 6.71% | 0.577% |
| 58 | 11.739 | 1604 | 1607 | 1611 | rVB2 | 22763 | 24158 | 1.27% | 0.109% |
| 59 | 11.910 | 1633 | 1636 | 1638 | rBV | 97037 | 93533 | 4.92% | 0.423% |
| 60 | 11.933 | 1638 | 1640 | 1644 | rVB | 147743 | 134688 | 7.08% | 0.608% |
| 61 | 11.986 | 1645 | 1649 | 1651 | rVV | 53886 | 54258 | 2.85% | 0.245% |
| 62 | 12.022 | 1651 | 1655 | 1657 | rVV2 | 176173 | 185005 | 9.72% | 0.836% |
| 63 | 12.039 | 1657 | 1658 | 1663 | rVB | 78429 | 66246 | 3.48% | 0.299% |
| 64 | 12.086 | 1664 | 1666 | 1669 | rBV2 | 33564 | 31382 | 1.65% | 0.142% |
| 65 | 12.204 | 1683 | 1686 | 1688 | rBV | 68225 | 54526 | 2.87% | 0.246% |
| 66 | 12.233 | 1688 | 1691 | 1693 | rVB2 | 28243 | 24454 | 1.29% | 0.110% |
| 67 | 12.351 | 1709 | 1711 | 1713 | rVB | 38185 | 24233 | 1.27% | 0.109% |
| 68 | 12.457 | 1726 | 1729 | 1731 | rBV | 84039 | 88896 | 4.67% | 0.402% |
| 69 | 12.545 | 1741 | 1744 | 1749 | rBV4 | 49760 | 76347 | 4.01% | 0.345% |
| 70 | 12.621 | 1753 | 1757 | 1761 | rBV | 1374863 | 1198609 | 62.99% | 5.415% |
| 71 | 12.686 | 1766 | 1768 | 1770 | rVB | 38652 | 28886 | 1.52% | 0.130% |
| 72 | 12.774 | 1781 | 1783 | 1786 | rVB | 39299 | 26168 | 1.38% | 0.118% |
| 73 | 12.851 | 1790 | 1796 | 1802 | rBV | 1242390 | 1547083 | 81.30% | 6.989% |
| 74 | 12.898 | 1802 | 1804 | 1809 | rVB2 | 67784 | 79180 | 4.16% | 0.358% |
| 75 | 12.986 | 1814 | 1819 | 1821 | rBV2 | 358991 | 320750 | 16.86% | 1.449% |
| 76 | 13.010 | 1821 | 1823 | 1827 | rVB | 107510 | 91727 | 4.82% | 0.414% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
Data File : BF129495.D
Acq On : 02 Aug 2022 02:46
Operator : CG\JU
Sample : N3976-03 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP2-0729

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-BF072522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 13.069 | 1829 | 1833 | 1837 | rBV3 | 84144 | 140517 | 7.38% | 0.635% |
| 78 | 13.104 | 1837 | 1839 | 1841 | rBV | 47464 | 38622 | 2.03% | 0.174% |
| 79 | 13.157 | 1844 | 1848 | 1849 | rBV3 | 73414 | 97757 | 5.14% | 0.442% |
| 80 | 13.180 | 1849 | 1852 | 1854 | rVB | 273044 | 224776 | 11.81% | 1.015% |
| 81 | 13.204 | 1854 | 1856 | 1859 | rBV2 | 66356 | 56332 | 2.96% | 0.254% |
| 82 | 13.245 | 1860 | 1863 | 1866 | rBV2 | 276553 | 223766 | 11.76% | 1.011% |
| 83 | 13.286 | 1866 | 1870 | 1872 | rBV2 | 140104 | 155705 | 8.18% | 0.703% |
| 84 | 13.310 | 1872 | 1874 | 1877 | rVB | 76274 | 66502 | 3.49% | 0.300% |
| 85 | 13.380 | 1883 | 1886 | 1888 | rBV | 79996 | 75272 | 3.96% | 0.340% |
| 86 | 13.410 | 1888 | 1891 | 1897 | rVB | 96924 | 116842 | 6.14% | 0.528% |
| 87 | 13.798 | 1955 | 1957 | 1960 | rBV | 109792 | 98245 | 5.16% | 0.444% |
| 88 | 13.827 | 1960 | 1962 | 1964 | rVB | 104316 | 72011 | 3.78% | 0.325% |
| 89 | 13.874 | 1964 | 1970 | 1973 | rBV4 | 126332 | 242028 | 12.72% | 1.093% |
| 90 | 14.051 | 1995 | 2000 | 2003 | rBV2 | 1357511 | 1902937 | 100.00% | 8.597% |
| 91 | 14.080 | 2003 | 2005 | 2012 | rVB | 897432 | 760123 | 39.94% | 3.434% |
| 92 | 14.157 | 2016 | 2018 | 2021 | rBV | 196467 | 147615 | 7.76% | 0.667% |
| 93 | 14.586 | 2089 | 2091 | 2094 | rVB | 141511 | 106247 | 5.58% | 0.480% |
| 94 | 15.104 | 2175 | 2179 | 2182 | rBV | 854214 | 1274821 | 66.99% | 5.759% |
| 95 | 15.215 | 2195 | 2198 | 2201 | rVB | 166105 | 180569 | 9.49% | 0.816% |
| 96 | 15.415 | 2228 | 2232 | 2238 | rVB | 556329 | 728310 | 38.27% | 3.290% |
| 97 | 15.480 | 2239 | 2243 | 2249 | rVB | 858289 | 994995 | 52.29% | 4.495% |
| 98 | 15.539 | 2249 | 2253 | 2257 | rBV | 512126 | 740782 | 38.93% | 3.347% |
| 99 | 17.051 | 2505 | 2510 | 2517 | rVB2 | 402622 | 750881 | 39.46% | 3.392% |
| 100 | 17.509 | 2583 | 2588 | 2598 | rVB | 307820 | 650732 | 34.20% | 2.940% |

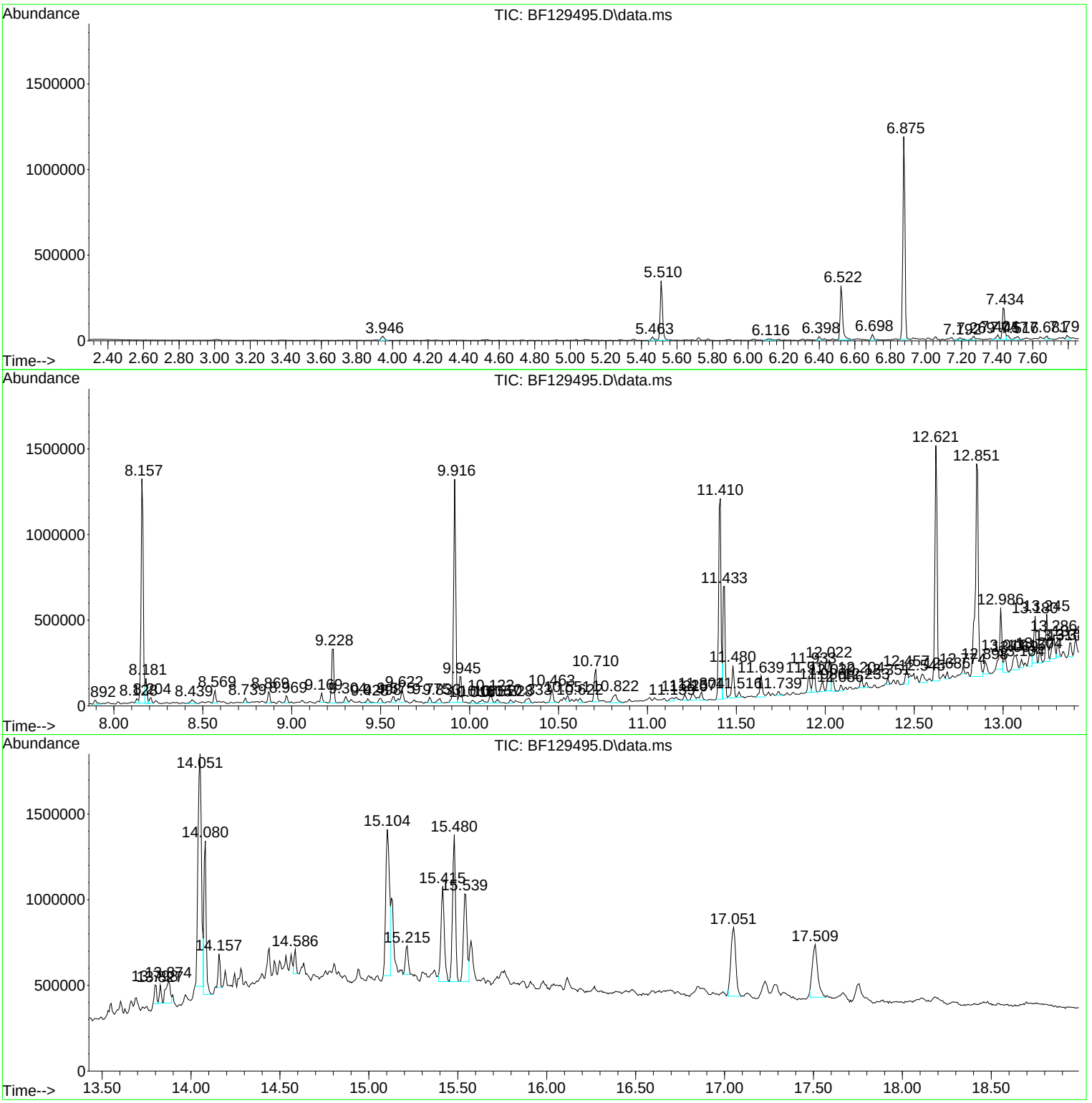
Sum of corrected areas: 22134959

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
Data File : BF129495.D
Acq On : 02 Aug 2022 02:46
Operator : CG\JU
Sample : N3976-03 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP2-0729

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.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\BF080122\
Data File : BF129495.D
Acq On : 02 Aug 2022 02:46
Operator : CG\JU
Sample : N3976-03 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP2-0729

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

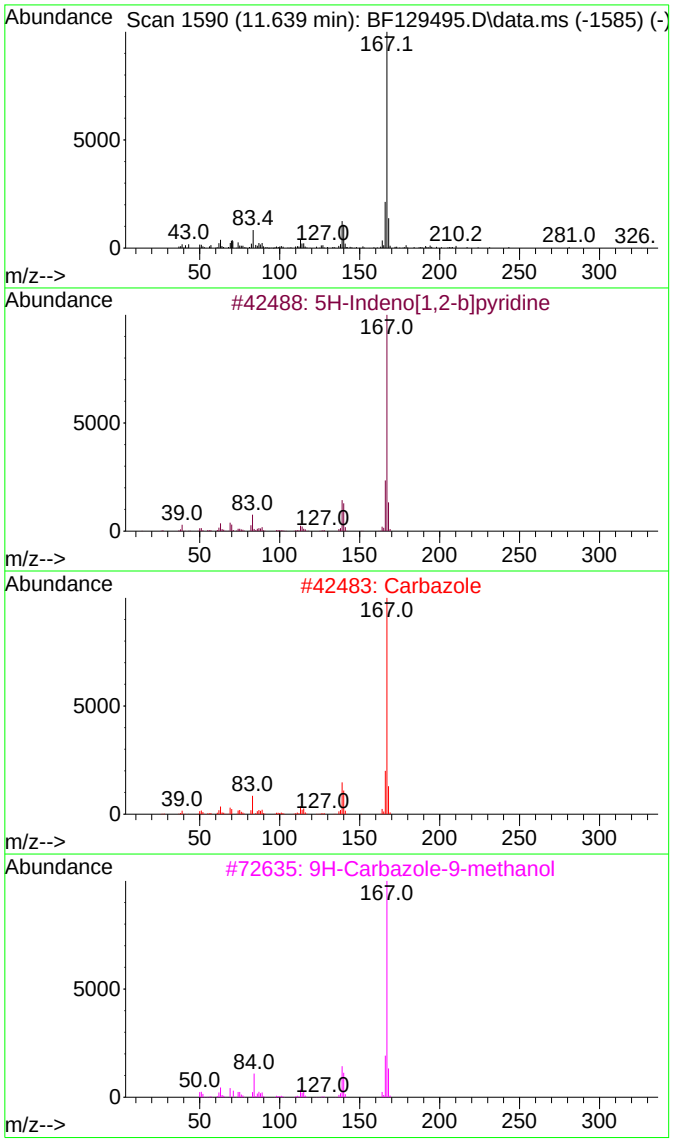
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

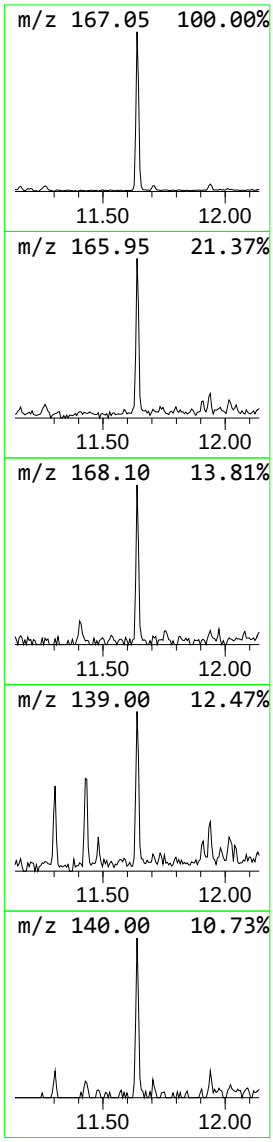
**********

Peak Number 1 5H-Indeno[1,2-b]pyridine Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.639 | 2.22 ng | 127741 | Phenanthrene-d10 | 11.410 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5H-Indeno[1,2-b]pyridine | 167 | C12H9N | 000244-99-5 | 97 |
| 2 | Carbazole | 167 | C12H9N | 000086-74-8 | 97 |
| 3 | 9H-Carbazole-9-methanol | 197 | C13H11NO | 002409-36-1 | 91 |
| 4 | 9H-Carbazole, 9-nitroso- | 196 | C12H8N2O | 002788-23-0 | 83 |
| 5 | ethanone, 1-(9H-carbazol-9-yl)- | 209 | C14H11NO | 1000400-59-5 | 78 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
Data File : BF129495.D
Acq On : 02 Aug 2022 02:46
Operator : CG\JU
Sample : N3976-03 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP2-0729

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

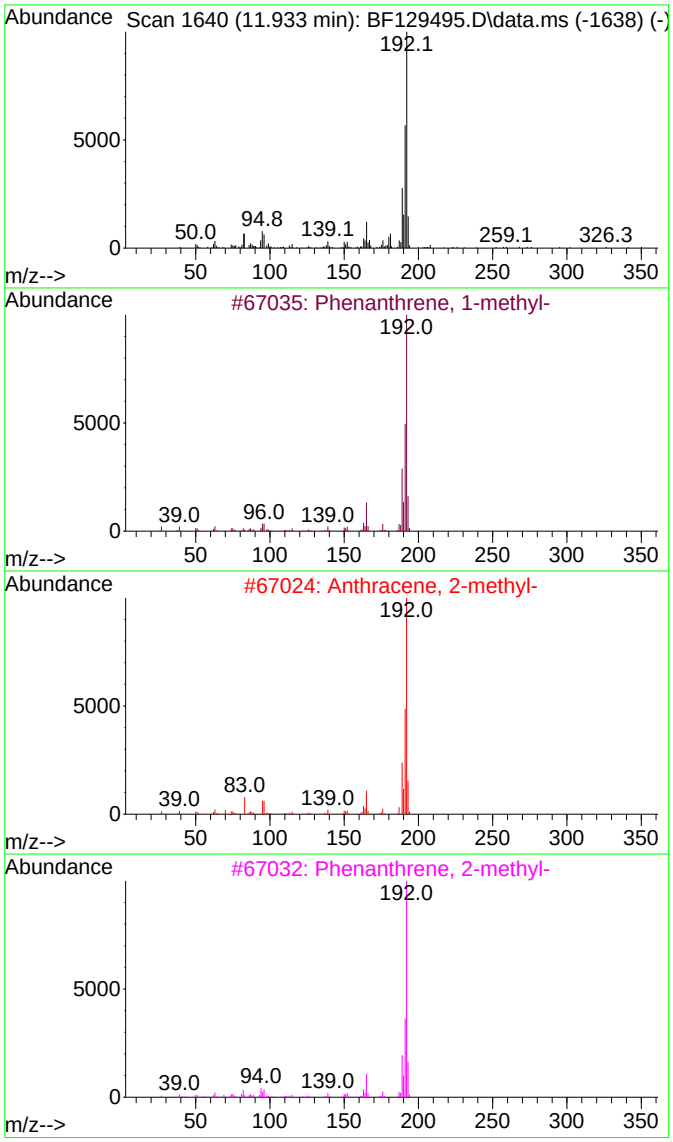
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

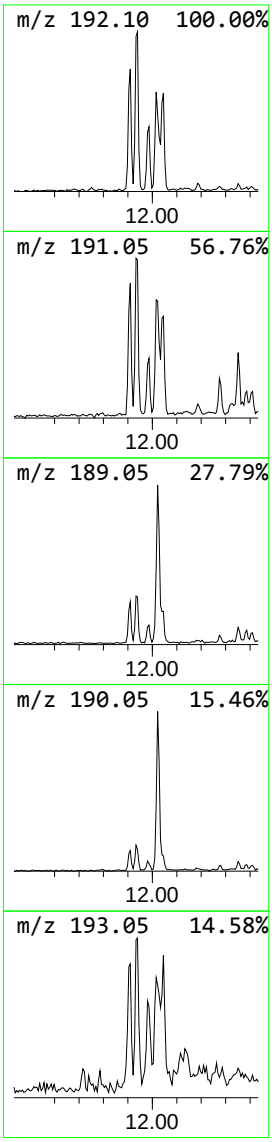
**********

Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.933 | 2.34 ng | 134688 | Phenanthrene-d10 | 11.410 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 97 |
| 2 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 97 |
| 3 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 96 |
| 4 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 95 |
| 5 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 94 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
Data File : BF129495.D
Acq On : 02 Aug 2022 02:46
Operator : CG\JU
Sample : N3976-03 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP2-0729

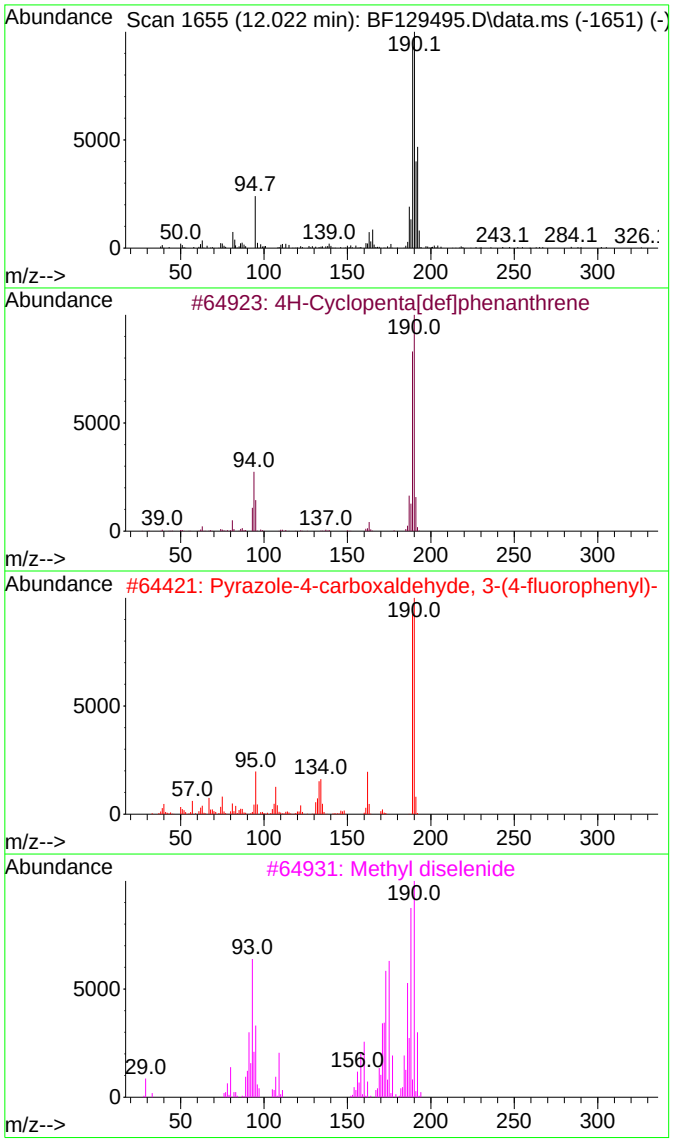
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

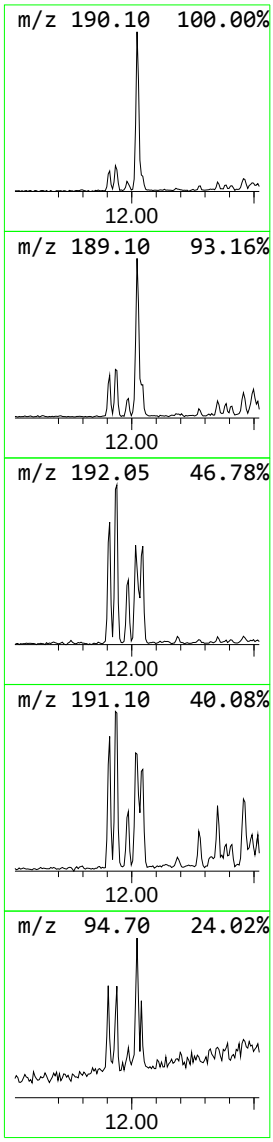
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.022 | 3.22 ng | 185005 | Phenanthrene-d10 | 11.410 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 70 |
| 2 | Pyrazole-4-carboxaldehyde, 3-(4-... | 190 | C10H7FN2O | 306936-57-2 | 49 |
| 3 | Methyl diselenide | 190 | C2H6Se2 | 007101-31-7 | 43 |
| 4 | Pyrimidine, 6-oxo-4-(3-fluorophe... | 190 | C10H7FN2O | 085979-55-1 | 37 |
| 5 | 2,2'-Bis(4,5-dimethylimidazole) | 190 | C10H14N4 | 069286-06-2 | 37 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
Data File : BF129495.D
Acq On : 02 Aug 2022 02:46
Operator : CG\JU
Sample : N3976-03 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP2-0729

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

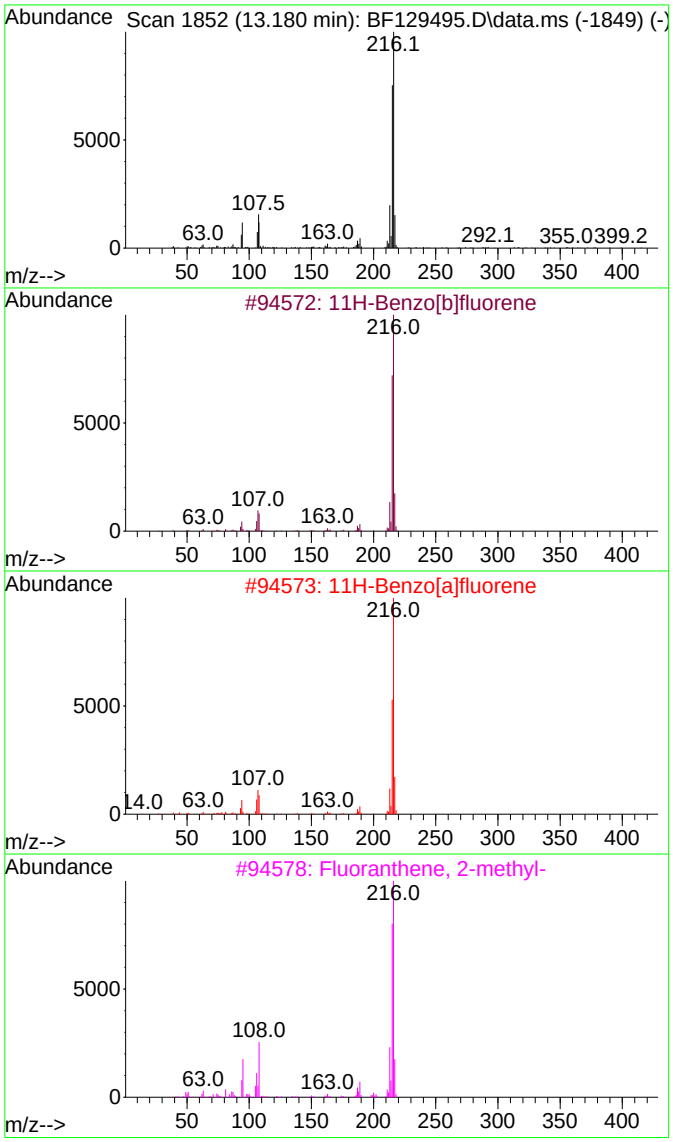
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

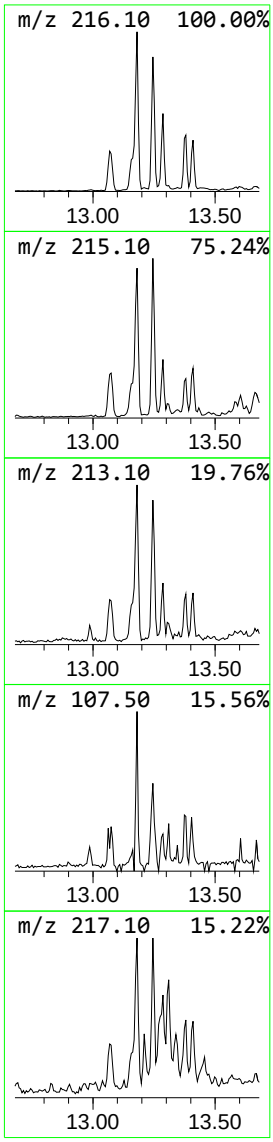
**********

Peak Number 4 11H-Benzo[b]fluorene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.180 | 2.36 ng | 224776 | Chrysene-d12 | 14.051 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 95 |
| 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 | 90 |
| 5 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 86 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
Data File : BF129495.D
Acq On : 02 Aug 2022 02:46
Operator : CG\JU
Sample : N3976-03 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP2-0729

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.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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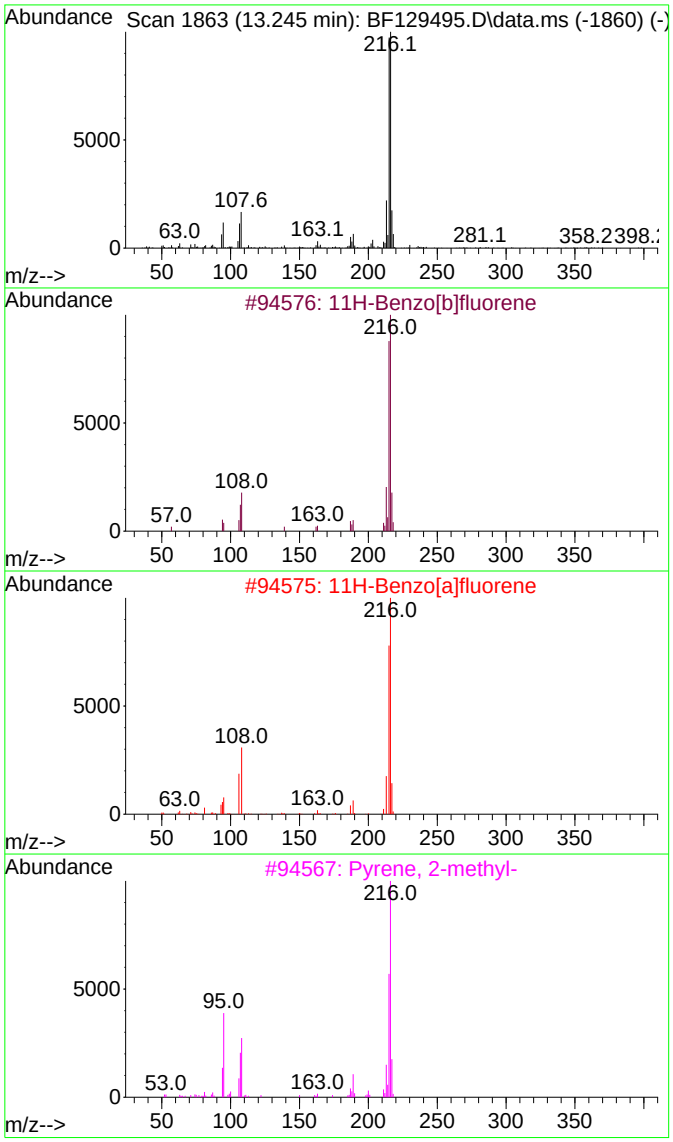
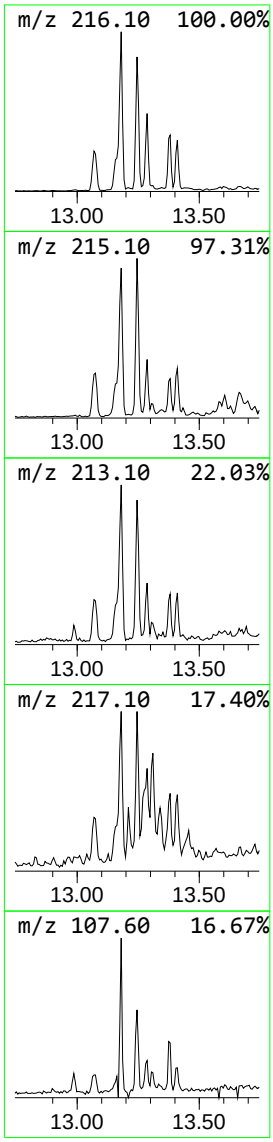
Peak Number 5 11H-Benzo[a]fluorene Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.245 | 2.35 ng | 223766 | Chrysene-d12 | 14.051 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 93 |
| 2 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 87 |
| 3 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 76 |
| 4 | 7H-Benzo[c]fluorene | 216 | C17H12 | 000205-12-9 | 74 |
| 5 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 70 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
Data File : BF129495.D
Acq On : 02 Aug 2022 02:46
Operator : CG\JU
Sample : N3976-03 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP2-0729

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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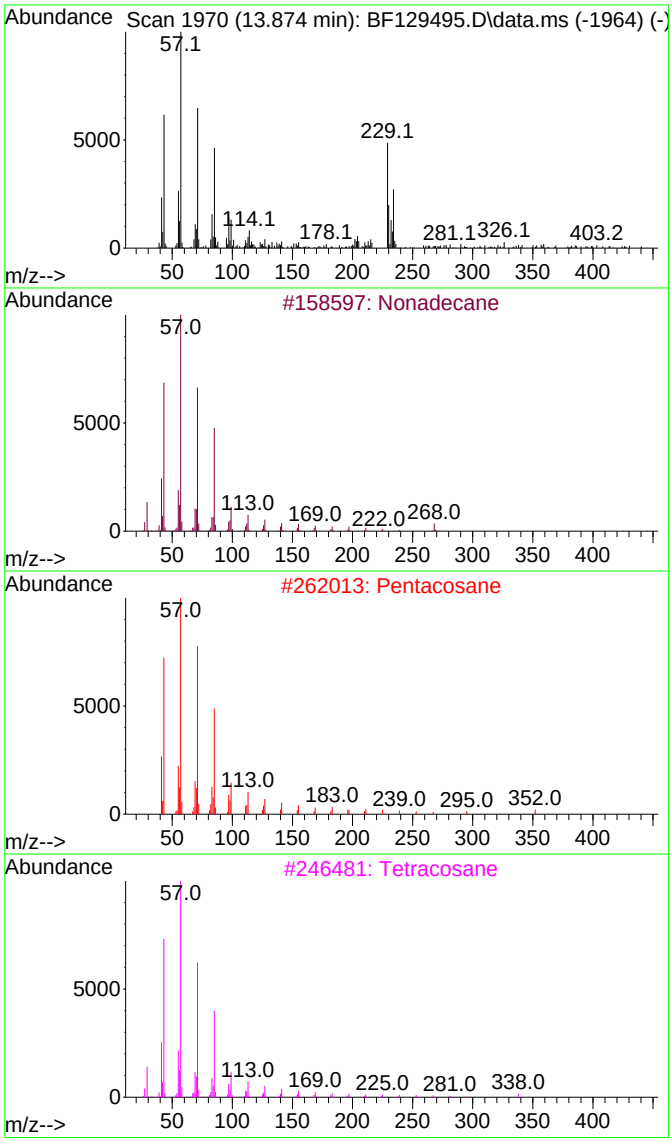
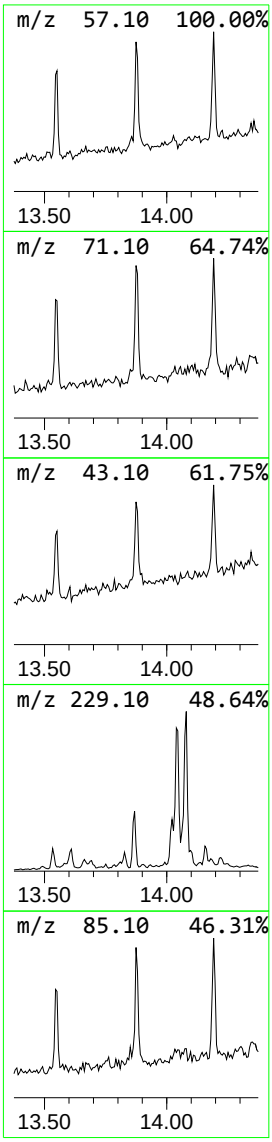
Peak Number 6 Nonadecane Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.874 | 2.54 ng | 242028 | Chrysene-d12 | 14.051 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonadecane | 268 | C19H40 | 000629-92-5 | 93 |
| 2 | Pentacosane | 352 | C25H52 | 000629-99-2 | 68 |
| 3 | Tetracosane | 338 | C24H50 | 000646-31-1 | 52 |
| 4 | Octacosane | 394 | C28H58 | 000630-02-4 | 38 |
| 5 | Octadecane, 5,14-dibutyl- | 366 | C26H54 | 055282-13-8 | 30 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
Data File : BF129495.D
Acq On : 02 Aug 2022 02:46
Operator : CG\JU
Sample : N3976-03 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP2-0729

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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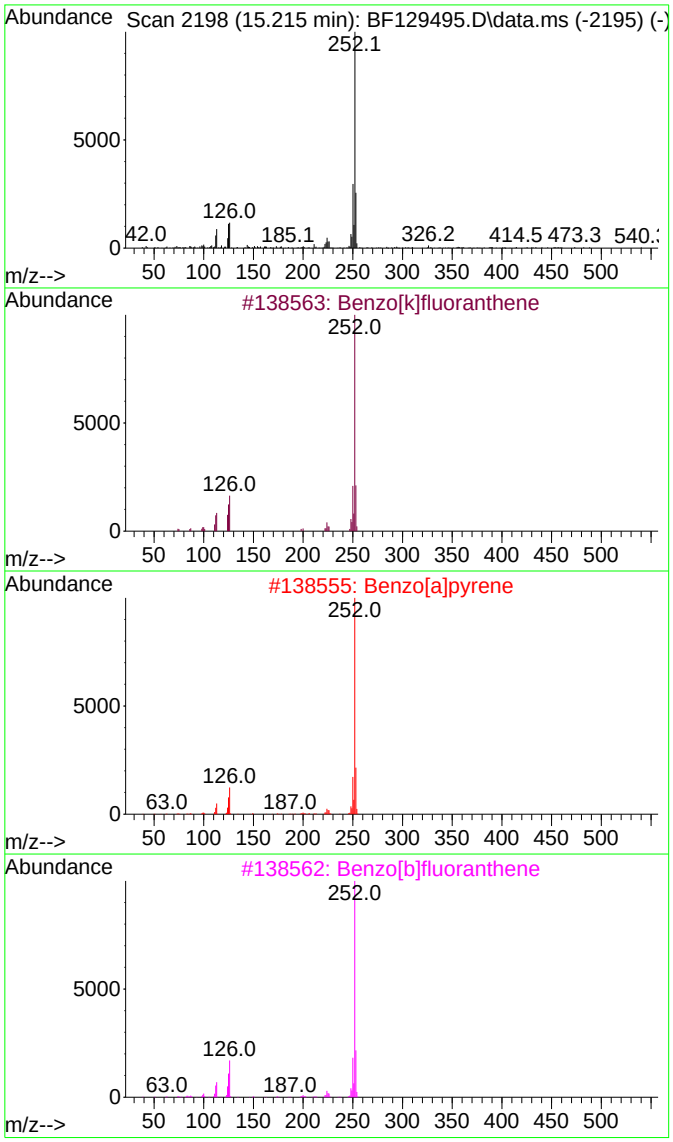
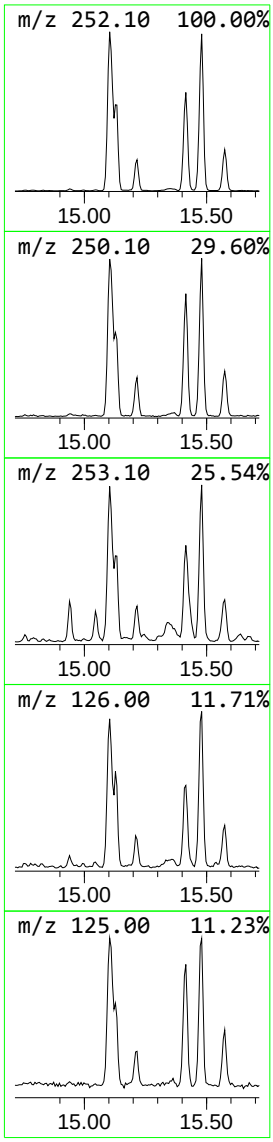
Peak Number 7 Benzo[e]pyrene Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.215 | 4.88 ng | 180569 | Perylene-d12 | 15.545 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 95 |
| 2 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 94 |
| 3 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 93 |
| 4 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 93 |
| 5 | Benzo[j]fluoranthene | 252 | C20H12 | 000205-82-3 | 81 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
Data File : BF129495.D
Acq On : 02 Aug 2022 02:46
Operator : CG\JU
Sample : N3976-03 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP2-0729

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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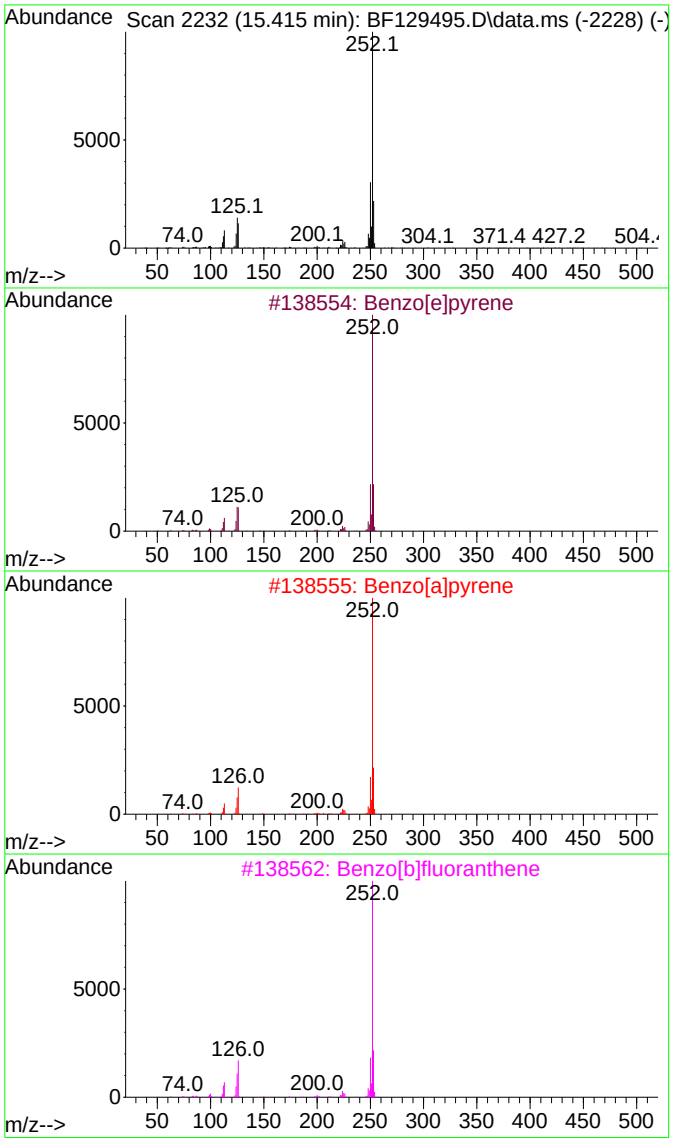
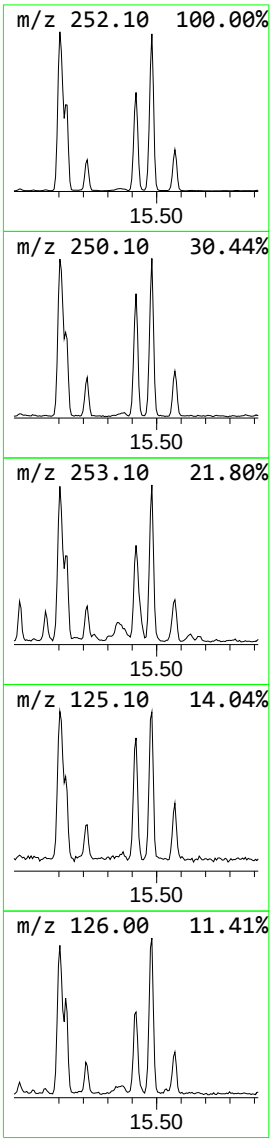
Peak Number 8 Perylene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.415 | 19.66 ng | 728310 | Perylene-d12 | 15.545 |

| 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 | 98 |
| 3 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 93 |
| 4 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 93 |
| 5 | Perylene | 252 | C20H12 | 000198-55-0 | 90 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
Data File : BF129495.D
Acq On : 02 Aug 2022 02:46
Operator : CG\JU
Sample : N3976-03 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP2-0729

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.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 |
| 5H-Indeno[1,2-b... | 11.639 | 2.2 | ng | 127741 | 4 | 11.410 | 1150490 | 20.0 |
| Phenanthrene, 1... | 11.933 | 2.3 | ng | 134688 | 4 | 11.410 | 1150490 | 20.0 |
| 4H-Cyclopenta[d... | 12.022 | 3.2 | ng | 185005 | 4 | 11.410 | 1150490 | 20.0 |
| 11H-Benzo[b]flu... | 13.180 | 2.4 | ng | 224776 | 5 | 14.051 | 1902940 | 20.0 |
| 11H-Benzo[a]flu... | 13.245 | 2.4 | ng | 223766 | 5 | 14.051 | 1902940 | 20.0 |
| Nonadecane | 13.874 | 2.5 | ng | 242028 | 5 | 14.051 | 1902940 | 20.0 |
| Benzo[e]pyrene | 15.215 | 4.9 | ng | 180569 | 6 | 15.545 | 740782 | 20.0 |
| Perylene | 15.415 | 19.7 | ng | 728310 | 6 | 15.545 | 740782 | 20.0 |