

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061223\  
 Data File : BF133711.D  
 Acq On : 12 Jun 2023 19:04  
 Operator : CG\JU  
 Sample : 03044-08  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-04-0-2.0

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-BF060923.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF133711.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 5.046       | 498           | 503         | 509          | rVB      | 30304          | 37502         | 2.03%           | 0.142%        |
| 2         | 5.446       | 566           | 571         | 574          | rBV      | 1854800        | 1681380       | 90.94%          | 6.362%        |
| 3         | 6.457       | 738           | 743         | 746          | rBV      | 1718813        | 1714888       | 92.75%          | 6.489%        |
| 4         | 6.828       | 803           | 806         | 810          | rBV      | 499322         | 406341        | 21.98%          | 1.538%        |
| 5         | 7.392       | 898           | 902         | 905          | rBV      | 1262561        | 1084579       | 58.66%          | 4.104%        |
| 6         | 8.116       | 1021          | 1025        | 1027         | rBV      | 565019         | 481150        | 26.02%          | 1.821%        |
| 7         | 8.134       | 1027          | 1028        | 1033         | rVB      | 70005          | 43833         | 2.37%           | 0.166%        |
| 8         | 8.828       | 1143          | 1146        | 1149         | rBV      | 49580          | 41286         | 2.23%           | 0.156%        |
| 9         | 8.928       | 1159          | 1163        | 1166         | rBV      | 32648          | 30081         | 1.63%           | 0.114%        |
| 10        | 9.192       | 1204          | 1208        | 1211         | rBV      | 2214473        | 1848878       | 100.00%         | 6.996%        |
| 11        | 9.286       | 1223          | 1224        | 1230         | rVB      | 27728          | 23945         | 1.30%           | 0.091%        |
| 12        | 9.457       | 1249          | 1253        | 1257         | rBV2     | 24757          | 34073         | 1.84%           | 0.129%        |
| 13        | 9.528       | 1262          | 1265        | 1267         | rBV      | 44171          | 38017         | 2.06%           | 0.144%        |
| 14        | 9.645       | 1282          | 1285        | 1290         | rBV      | 26956          | 25985         | 1.41%           | 0.098%        |
| 15        | 9.728       | 1294          | 1299        | 1303         | rVB      | 39205          | 33274         | 1.80%           | 0.126%        |
| 16        | 9.869       | 1320          | 1323        | 1326         | rVB      | 599137         | 451100        | 24.40%          | 1.707%        |
| 17        | 9.904       | 1326          | 1329        | 1332         | rVB      | 199672         | 169804        | 9.18%           | 0.643%        |
| 18        | 10.028      | 1345          | 1350        | 1354         | rBV2     | 23002          | 27344         | 1.48%           | 0.103%        |
| 19        | 10.075      | 1354          | 1358        | 1361         | rBV      | 161691         | 133821        | 7.24%           | 0.506%        |
| 20        | 10.186      | 1370          | 1377        | 1379         | rBV2     | 21830          | 22422         | 1.21%           | 0.085%        |
| 21        | 10.275      | 1388          | 1392        | 1394         | rBV4     | 20718          | 24569         | 1.33%           | 0.093%        |
| 22        | 10.298      | 1394          | 1396        | 1399         | rVB2     | 30715          | 23673         | 1.28%           | 0.090%        |
| 23        | 10.416      | 1412          | 1416        | 1422         | rBV      | 169076         | 154257        | 8.34%           | 0.584%        |
| 24        | 10.580      | 1440          | 1444        | 1448         | rVB2     | 133214         | 131746        | 7.13%           | 0.499%        |
| 25        | 10.657      | 1453          | 1457        | 1461         | rVV      | 1265246        | 1062335       | 57.46%          | 4.020%        |
| 26        | 10.704      | 1461          | 1465        | 1468         | rVB2     | 17852          | 25815         | 1.40%           | 0.098%        |
| 27        | 10.780      | 1473          | 1478        | 1482         | rBV3     | 36975          | 53528         | 2.90%           | 0.203%        |
| 28        | 10.969      | 1503          | 1510        | 1512         | rBV3     | 44031          | 70121         | 3.79%           | 0.265%        |
| 29        | 11.051      | 1520          | 1524        | 1527         | rVB3     | 20700          | 23035         | 1.25%           | 0.087%        |
| 30        | 11.092      | 1527          | 1531        | 1533         | rBV3     | 30939          | 36319         | 1.96%           | 0.137%        |
| 31        | 11.116      | 1533          | 1535        | 1540         | rVV2     | 33468          | 37834         | 2.05%           | 0.143%        |
| 32        | 11.163      | 1540          | 1543        | 1546         | rVB2     | 40799          | 41786         | 2.26%           | 0.158%        |
| 33        | 11.222      | 1547          | 1553        | 1555         | rBV3     | 46385          | 78512         | 4.25%           | 0.297%        |
| 34        | 11.251      | 1555          | 1558        | 1564         | rVB      | 96585          | 100019        | 5.41%           | 0.378%        |
| 35        | 11.357      | 1573          | 1576        | 1578         | rBV      | 497564         | 437301        | 23.65%          | 1.655%        |
| 36        | 11.386      | 1578          | 1581        | 1584         | rVV      | 1309009        | 1124361       | 60.81%          | 4.254%        |

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 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-04-0-2.0

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-BF060923.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 37 | 11.433 | 1586 | 1589 | 1592 | rVV  | 393217  | 298398  | 16.14% | 1.129% |
| 38 | 11.463 | 1592 | 1594 | 1598 | rVV2 | 34834   | 35626   | 1.93%  | 0.135% |
| 39 | 11.586 | 1609 | 1615 | 1618 | rBV2 | 100604  | 112921  | 6.11%  | 0.427% |
| 40 | 11.651 | 1623 | 1626 | 1629 | rVV2 | 47220   | 46549   | 2.52%  | 0.176% |
| 41 | 11.686 | 1629 | 1632 | 1637 | rVB3 | 28034   | 34638   | 1.87%  | 0.131% |
| 42 | 11.863 | 1656 | 1662 | 1664 | rBV  | 159193  | 168123  | 9.09%  | 0.636% |
| 43 | 11.886 | 1664 | 1666 | 1670 | rVV  | 327325  | 284585  | 15.39% | 1.077% |
| 44 | 11.933 | 1671 | 1674 | 1677 | rVV  | 92268   | 93635   | 5.06%  | 0.354% |
| 45 | 11.975 | 1677 | 1681 | 1683 | rVV  | 270726  | 286067  | 15.47% | 1.082% |
| 46 | 11.992 | 1683 | 1684 | 1688 | rVB  | 105402  | 78991   | 4.27%  | 0.299% |
| 47 | 12.063 | 1693 | 1696 | 1699 | rVB2 | 32349   | 30825   | 1.67%  | 0.117% |
| 48 | 12.157 | 1709 | 1712 | 1714 | rVV  | 142386  | 120572  | 6.52%  | 0.456% |
| 49 | 12.180 | 1714 | 1716 | 1719 | rVB2 | 90000   | 72456   | 3.92%  | 0.274% |
| 50 | 12.304 | 1735 | 1737 | 1740 | rVB2 | 40997   | 34537   | 1.87%  | 0.131% |
| 51 | 12.339 | 1740 | 1743 | 1745 | rBV  | 32837   | 30275   | 1.64%  | 0.115% |
| 52 | 12.363 | 1745 | 1747 | 1749 | rVB  | 40658   | 31674   | 1.71%  | 0.120% |
| 53 | 12.410 | 1751 | 1755 | 1758 | rBV  | 101515  | 112302  | 6.07%  | 0.425% |
| 54 | 12.451 | 1758 | 1762 | 1764 | rVV  | 72881   | 76373   | 4.13%  | 0.289% |
| 55 | 12.498 | 1767 | 1770 | 1775 | rVB2 | 69781   | 77003   | 4.16%  | 0.291% |
| 56 | 12.574 | 1779 | 1783 | 1787 | rBV  | 1605010 | 1542282 | 83.42% | 5.836% |
| 57 | 12.622 | 1787 | 1791 | 1792 | rBV3 | 30141   | 34273   | 1.85%  | 0.130% |
| 58 | 12.639 | 1792 | 1794 | 1797 | rVB3 | 26434   | 22445   | 1.21%  | 0.085% |
| 59 | 12.669 | 1797 | 1799 | 1801 | rBV2 | 44323   | 32807   | 1.77%  | 0.124% |
| 60 | 12.704 | 1801 | 1805 | 1806 | rBV3 | 22339   | 28017   | 1.52%  | 0.106% |
| 61 | 12.727 | 1806 | 1809 | 1812 | rVB  | 58142   | 53807   | 2.91%  | 0.204% |
| 62 | 12.810 | 1816 | 1823 | 1828 | rBV  | 1469447 | 1661916 | 89.89% | 6.288% |
| 63 | 12.851 | 1828 | 1830 | 1835 | rVB2 | 78395   | 93861   | 5.08%  | 0.355% |
| 64 | 12.922 | 1838 | 1842 | 1843 | rBV2 | 100925  | 86548   | 4.68%  | 0.327% |
| 65 | 12.951 | 1843 | 1847 | 1853 | rVB  | 1684339 | 1646378 | 89.05% | 6.230% |
| 66 | 13.021 | 1854 | 1859 | 1862 | rBV2 | 99057   | 162483  | 8.79%  | 0.615% |
| 67 | 13.051 | 1862 | 1864 | 1867 | rVB  | 30321   | 25190   | 1.36%  | 0.095% |
| 68 | 13.104 | 1870 | 1873 | 1875 | rVV4 | 68947   | 78374   | 4.24%  | 0.297% |
| 69 | 13.133 | 1875 | 1878 | 1881 | rVB  | 223645  | 209840  | 11.35% | 0.794% |
| 70 | 13.180 | 1881 | 1886 | 1887 | rBV3 | 46004   | 63314   | 3.42%  | 0.240% |
| 71 | 13.198 | 1887 | 1889 | 1892 | rVV  | 177506  | 134549  | 7.28%  | 0.509% |
| 72 | 13.233 | 1892 | 1895 | 1898 | rVV2 | 144726  | 161666  | 8.74%  | 0.612% |
| 73 | 13.263 | 1898 | 1900 | 1903 | rVB  | 40748   | 33752   | 1.83%  | 0.128% |
| 74 | 13.292 | 1903 | 1905 | 1907 | rBV  | 34888   | 28860   | 1.56%  | 0.109% |
| 75 | 13.327 | 1908 | 1911 | 1914 | rVB  | 76468   | 60440   | 3.27%  | 0.229% |
| 76 | 13.357 | 1914 | 1916 | 1920 | rBV2 | 83829   | 78106   | 4.22%  | 0.296% |

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 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-04-0-2.0

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-BF060923.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|     |        |      |      |      |      |        |         |        |        |
|-----|--------|------|------|------|------|--------|---------|--------|--------|
| 77  | 13.521 | 1939 | 1944 | 1948 | rBV6 | 69328  | 141486  | 7.65%  | 0.535% |
| 78  | 13.616 | 1957 | 1960 | 1961 | rBV2 | 34005  | 38014   | 2.06%  | 0.144% |
| 79  | 13.639 | 1961 | 1964 | 1969 | rVB  | 106329 | 119516  | 6.46%  | 0.452% |
| 80  | 13.751 | 1979 | 1983 | 1986 | rBV3 | 117798 | 148151  | 8.01%  | 0.561% |
| 81  | 13.780 | 1986 | 1988 | 1990 | rVV  | 140364 | 117751  | 6.37%  | 0.446% |
| 82  | 13.804 | 1990 | 1992 | 1996 | rVV2 | 109269 | 156676  | 8.47%  | 0.593% |
| 83  | 13.845 | 1996 | 1999 | 2006 | rVB2 | 195756 | 241652  | 13.07% | 0.914% |
| 84  | 13.998 | 2018 | 2025 | 2029 | rBV2 | 961602 | 1431309 | 77.42% | 5.416% |
| 85  | 14.033 | 2029 | 2031 | 2036 | rVB  | 730423 | 617794  | 33.41% | 2.338% |
| 86  | 14.110 | 2041 | 2044 | 2047 | rVB  | 135437 | 108947  | 5.89%  | 0.412% |
| 87  | 14.168 | 2052 | 2054 | 2056 | rBV3 | 47105  | 38739   | 2.10%  | 0.147% |
| 88  | 14.392 | 2089 | 2092 | 2095 | rVB  | 136840 | 126119  | 6.82%  | 0.477% |
| 89  | 14.421 | 2095 | 2097 | 2100 | rVB  | 72397  | 68944   | 3.73%  | 0.261% |
| 90  | 14.480 | 2104 | 2107 | 2110 | rVB2 | 88786  | 108035  | 5.84%  | 0.409% |
| 91  | 14.516 | 2110 | 2113 | 2115 | rBV  | 78180  | 76409   | 4.13%  | 0.289% |
| 92  | 14.780 | 2156 | 2158 | 2161 | rBV2 | 57168  | 49569   | 2.68%  | 0.188% |
| 93  | 15.045 | 2198 | 2203 | 2206 | rBV  | 481377 | 777323  | 42.04% | 2.941% |
| 94  | 15.151 | 2218 | 2221 | 2225 | rVB  | 104168 | 110105  | 5.96%  | 0.417% |
| 95  | 15.345 | 2250 | 2254 | 2260 | rVB  | 290809 | 365646  | 19.78% | 1.384% |
| 96  | 15.404 | 2260 | 2264 | 2270 | rBV  | 411107 | 511720  | 27.68% | 1.936% |
| 97  | 15.468 | 2271 | 2275 | 2278 | rVV  | 246826 | 317452  | 17.17% | 1.201% |
| 98  | 15.498 | 2278 | 2280 | 2286 | rVB  | 149837 | 174851  | 9.46%  | 0.662% |
| 99  | 16.927 | 2518 | 2523 | 2532 | rVB2 | 161564 | 314676  | 17.02% | 1.191% |
| 100 | 17.368 | 2593 | 2598 | 2606 | rVB  | 120981 | 247639  | 13.39% | 0.937% |

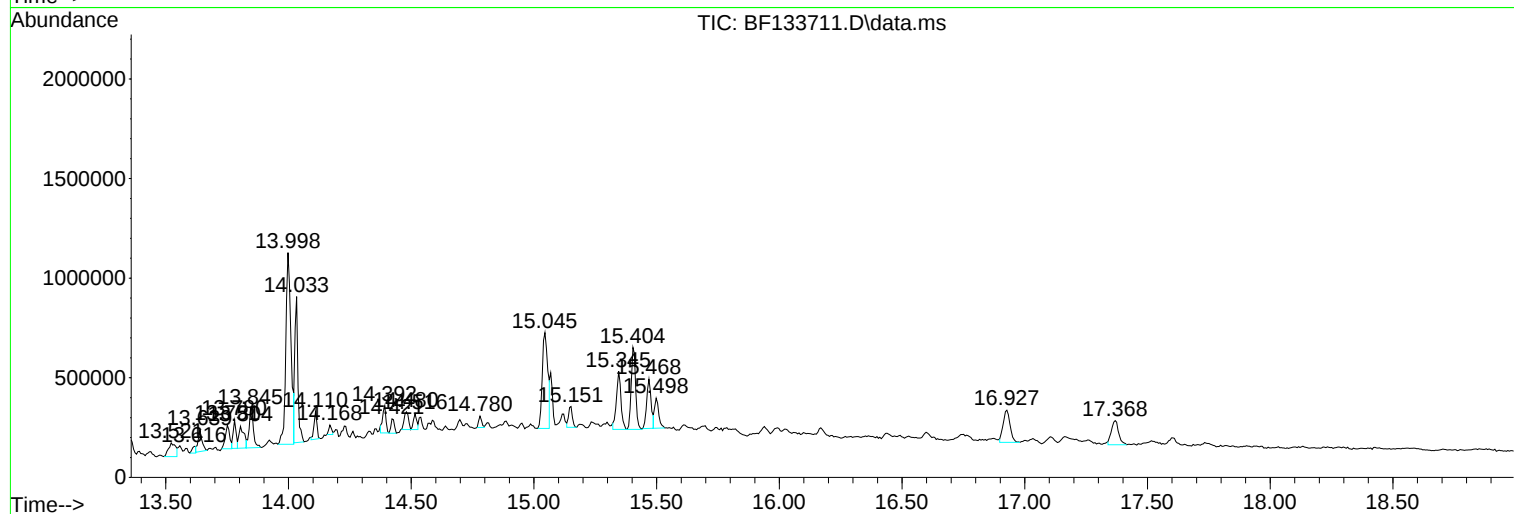
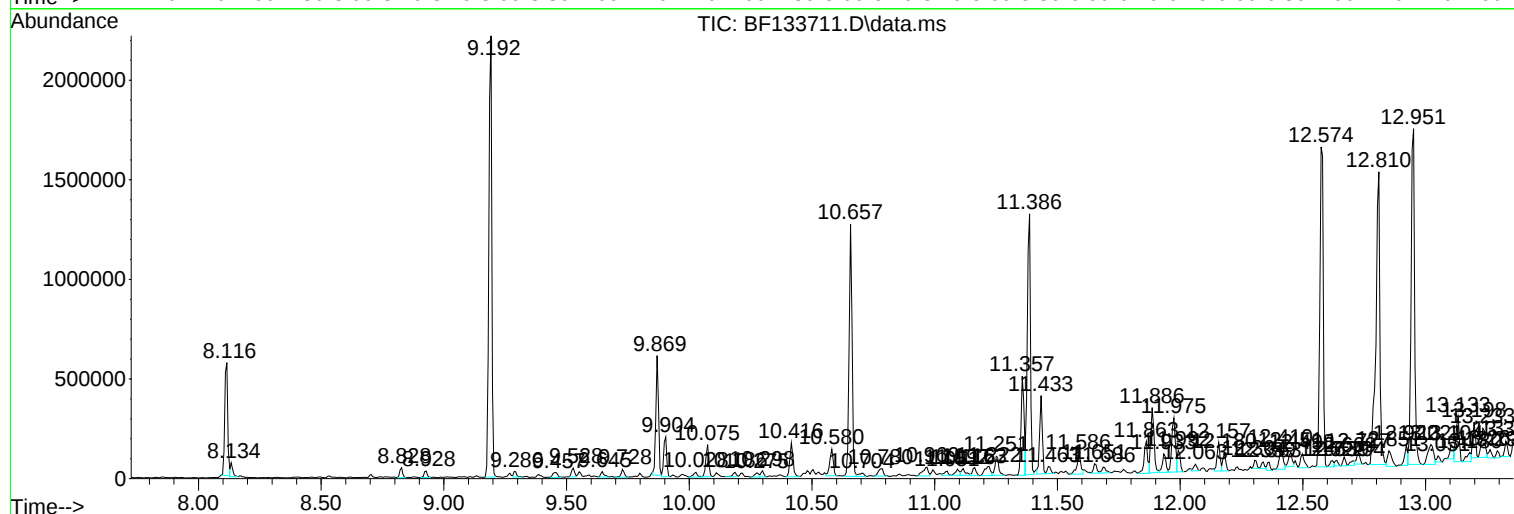
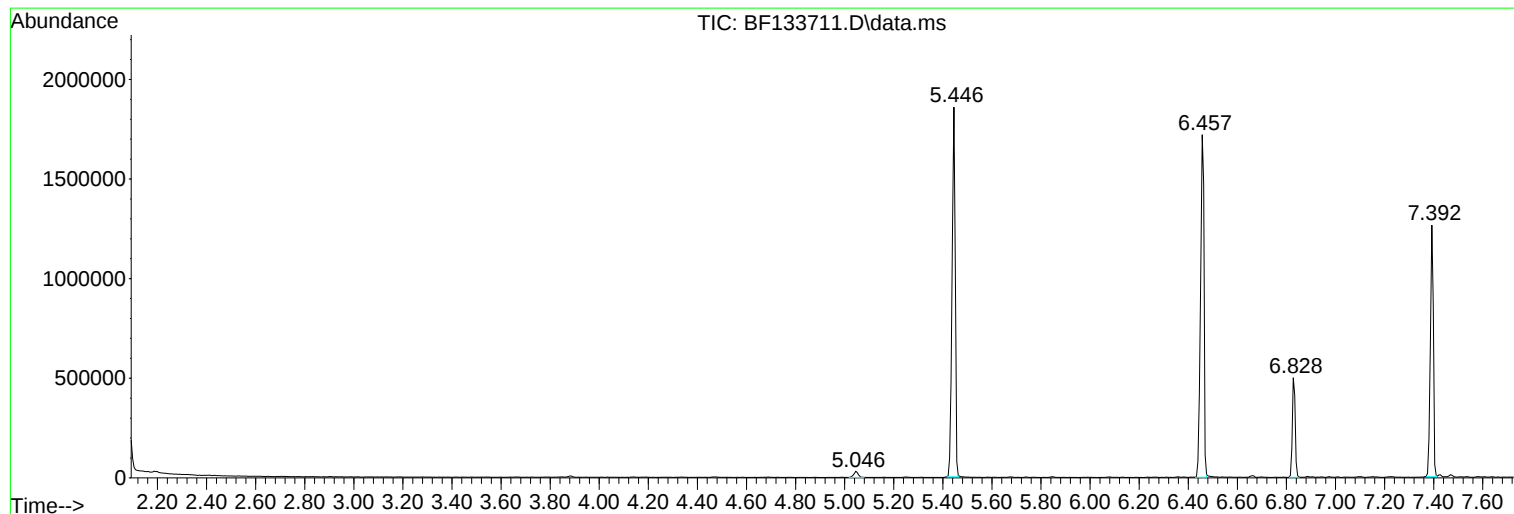
Sum of corrected areas: 26427895

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061223\  
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Instrument :  
BNA\_F  
ClientSampleId :  
SB-04-0-2.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060923.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\BF061223\  
Data File : BF133711.D  
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BNA\_F  
ClientSampleId :  
SB-04-0-2.0

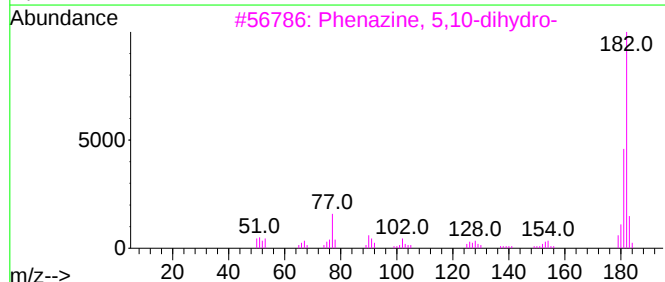
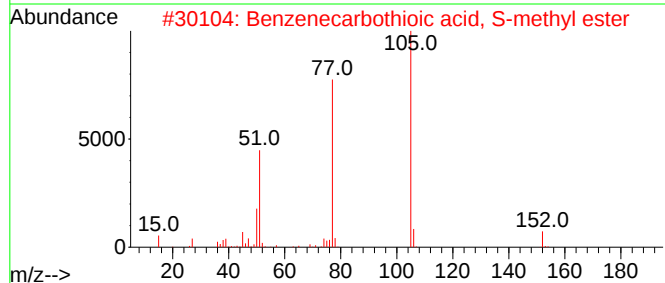
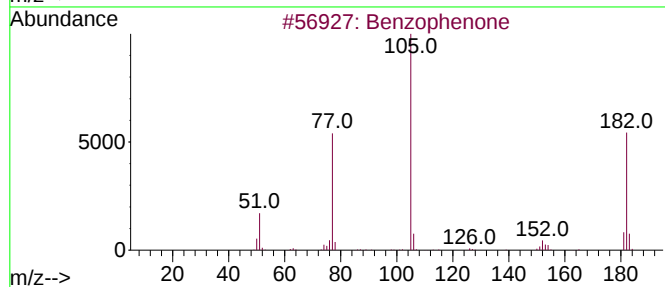
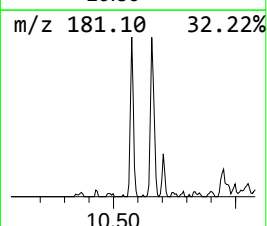
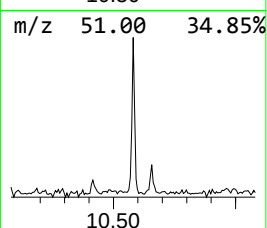
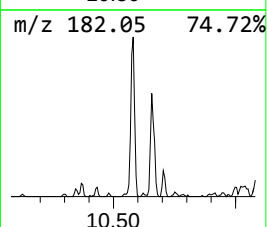
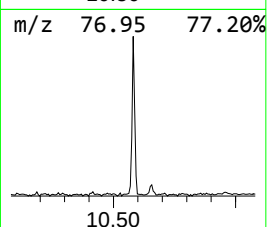
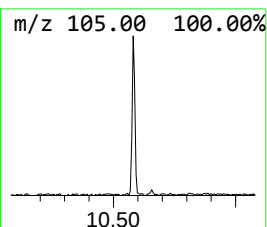
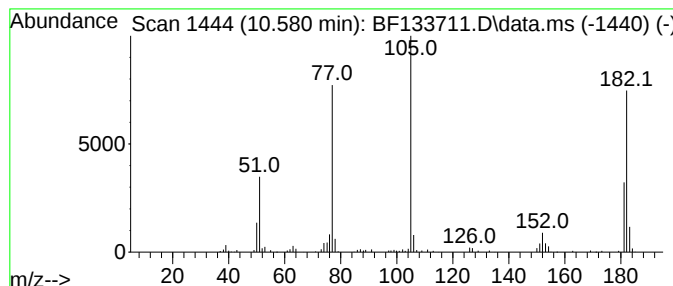
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060923.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Benzophenone Concentration Rank 6

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.  |
|--------|---------|--------|------------------|-------|
| 10.581 | 5.84 ng | 131746 | Acenaphthene-d10 | 9.869 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Benzophenone                        | 182 | C13H10O  | 000119-61-9 | 95   |
| 2    |    |   | Benzenecarbothioic acid, S-methy... | 152 | C8H8OS   | 005925-68-8 | 45   |
| 3    |    |   | Phenazine, 5,10-dihydro-            | 182 | C12H10N2 | 000613-32-1 | 43   |
| 4    |    |   | Benzilic acid                       | 228 | C14H12O3 | 000076-93-7 | 43   |
| 5    |    |   | 4,4'-Dimethylbiphenyl               | 182 | C14H14   | 000613-33-2 | 38   |



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ClientSampleId :  
SB-04-0-2.0

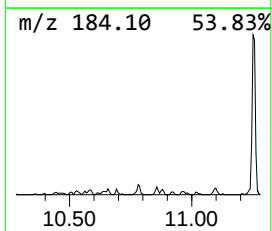
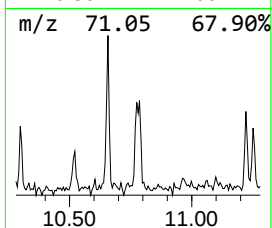
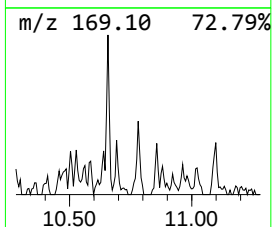
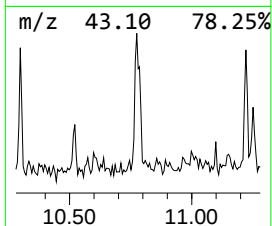
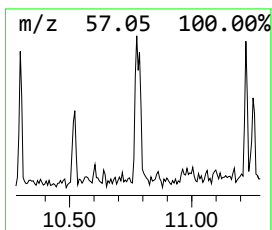
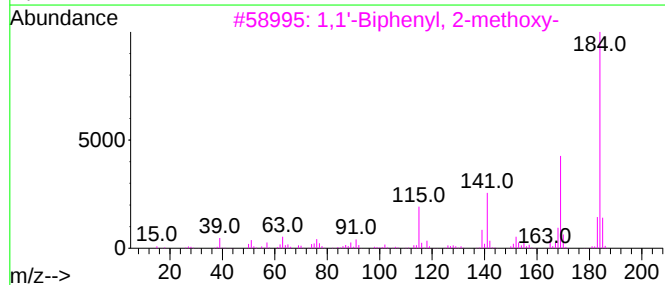
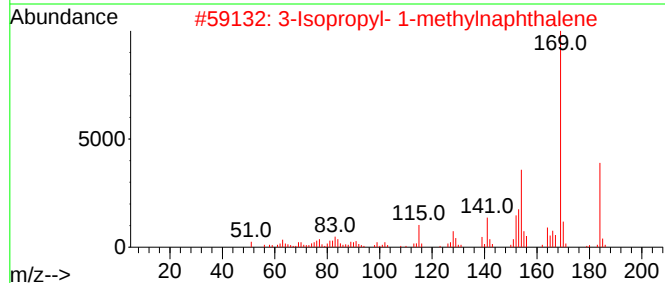
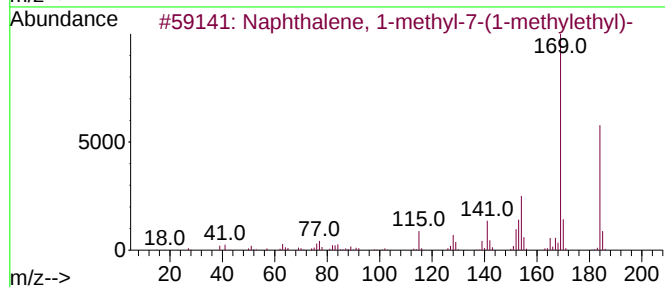
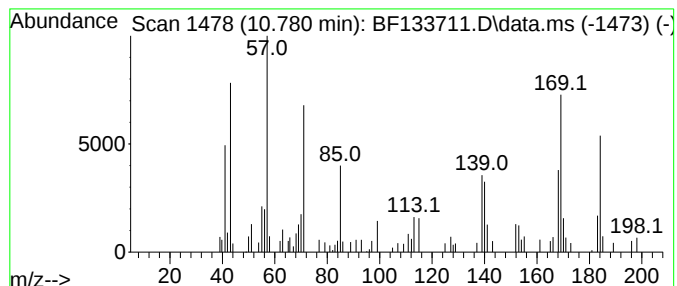
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060923.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 unknown10.781 Concentration Rank 20

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 10.781 | 2.45 ng | 53528 | Phenanthrene-d10 | 11.357 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Naphthalene, 1-methyl-7-(1-methy... | 184 | C14H16  | 000490-65-3  | 42   |
| 2    |    |   | 3-Isopropyl- 1-methylnaphthalene    | 184 | C14H16  | 1000383-71-4 | 42   |
| 3    |    |   | 1,1'-Biphenyl, 2-methoxy-           | 184 | C13H12O | 000086-26-0  | 41   |
| 4    |    |   | Tetradecane                         | 198 | C14H30  | 000629-59-4  | 38   |
| 5    |    |   | Dodecane                            | 170 | C12H26  | 000112-40-3  | 38   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061223\  
Data File : BF133711.D  
Acq On : 12 Jun 2023 19:04  
Operator : CG\JU  
Sample : 03044-08  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-04-0-2.0

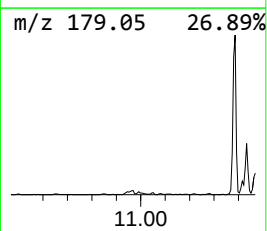
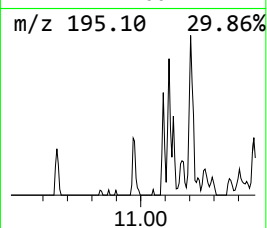
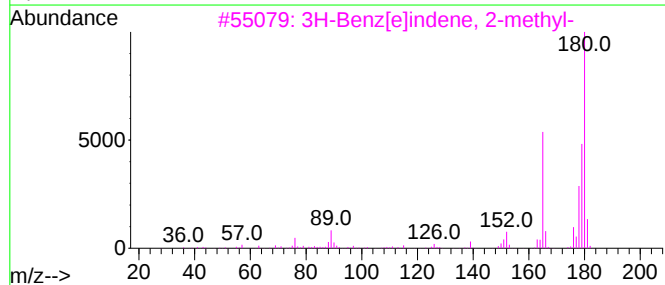
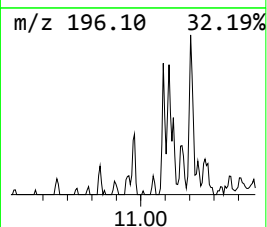
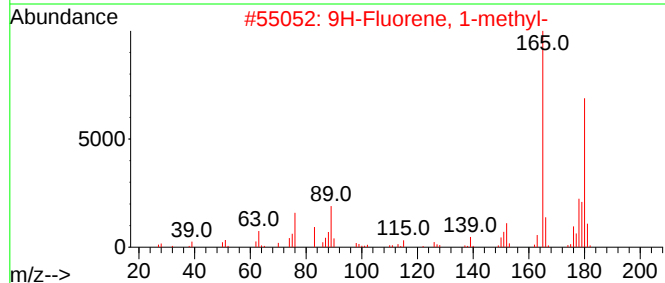
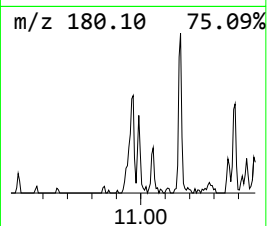
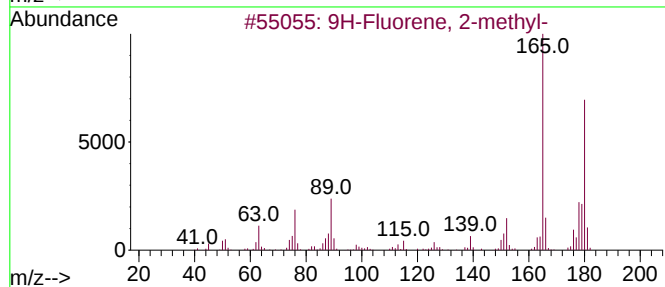
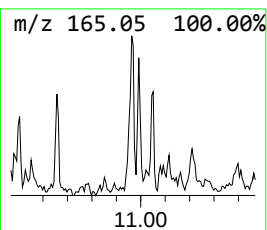
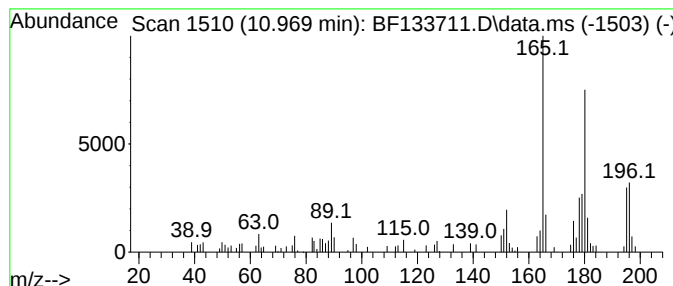
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 9H-Fluorene, 2-methyl- Concentration Rank 17

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 10.969 | 3.21 ng | 70121 | Phenanthrene-d10 | 11.357 |

| Hit# | of 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|------|-----------------------------|-----|---------|-------------|------|
| 1    |      | 9H-Fluorene, 2-methyl-      | 180 | C14H12  | 001430-97-3 | 89   |
| 2    |      | 9H-Fluorene, 1-methyl-      | 180 | C14H12  | 001730-37-6 | 86   |
| 3    |      | 3H-Benz[e]indene, 2-methyl- | 180 | C14H12  | 150096-60-9 | 83   |
| 4    |      | 9H-Fluorene, 4-methyl-      | 180 | C14H12  | 001556-99-6 | 64   |
| 5    |      | 9H-Fluorene, 9-methyl-      | 180 | C14H12  | 002523-37-7 | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061223\  
Data File : BF133711.D  
Acq On : 12 Jun 2023 19:04  
Operator : CG\JU  
Sample : 03044-08  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-04-0-2.0

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

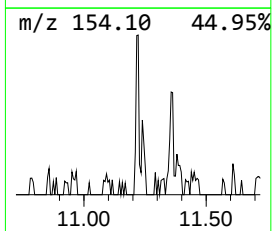
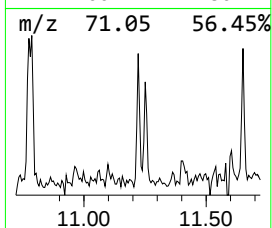
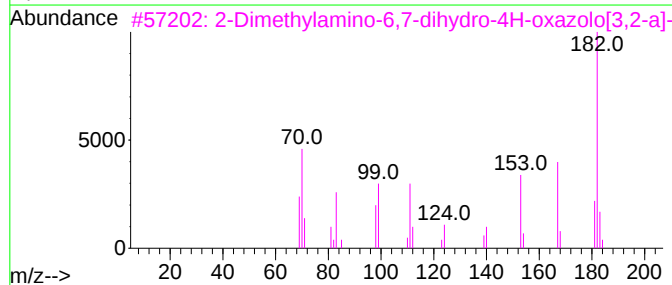
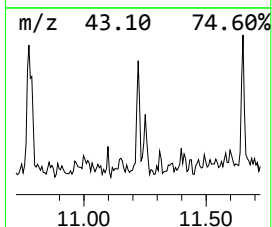
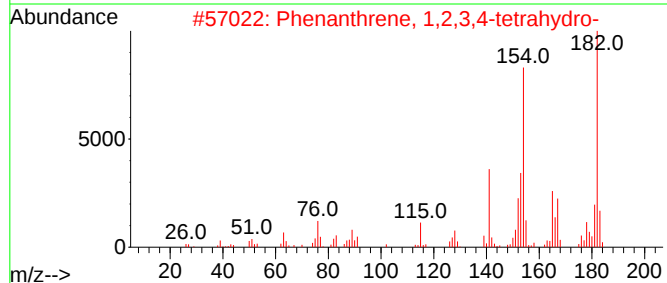
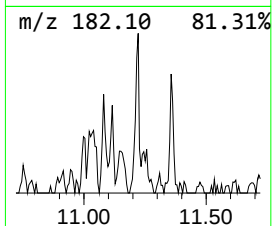
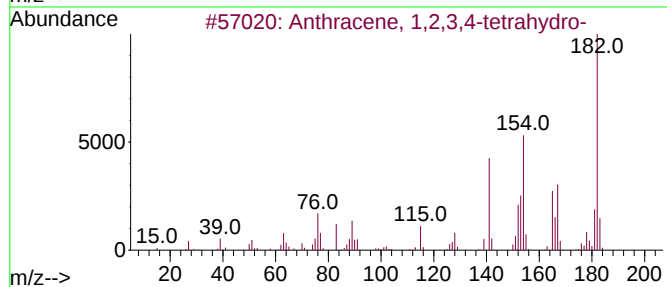
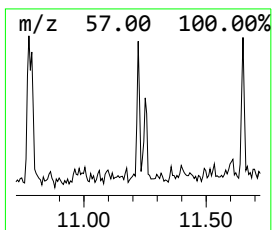
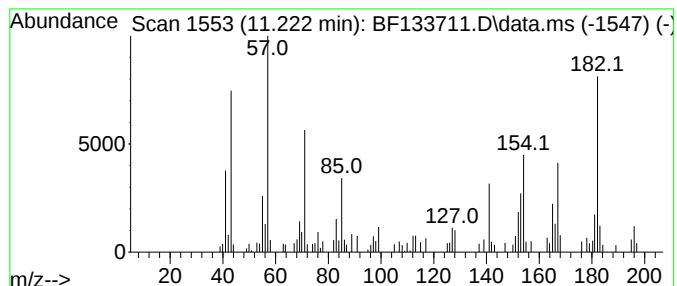
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 12

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 11.222 | 3.59 ng | 78512 | Phenanthrene-d10 | 11.357 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | Anthracene, 1,2,3,4-tetrahydro-     | 182 | C14H14    | 002141-42-6 | 92   |
| 2    |    |   | Phenanthrene, 1,2,3,4-tetrahydro-   | 182 | C14H14    | 001013-08-7 | 64   |
| 3    |    |   | 2-Dimethylamino-6,7-dihydro-4H-o... | 182 | C7H10N4O2 | 062626-99-7 | 46   |
| 4    |    |   | 1,1'-Biphenyl, 3,4'-dimethyl-       | 182 | C14H14    | 007383-90-6 | 46   |
| 5    |    |   | Bicyclo[3.2.1]octa-2,6-diene, 2-... | 182 | C14H14    | 101166-08-9 | 46   |



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Data File : BF133711.D  
Acq On : 12 Jun 2023 19:04  
Operator : CG\JU  
Sample : 03044-08  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-04-0-2.0

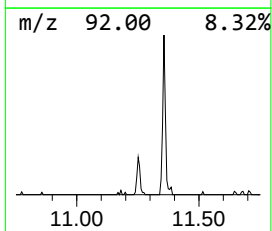
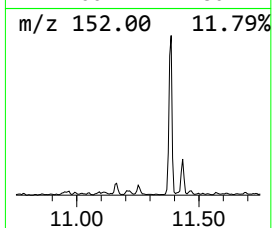
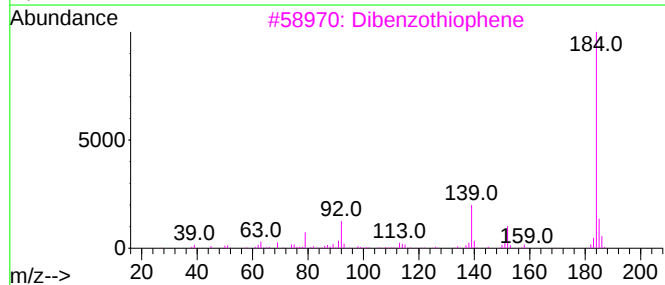
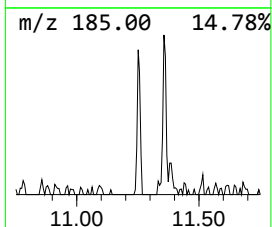
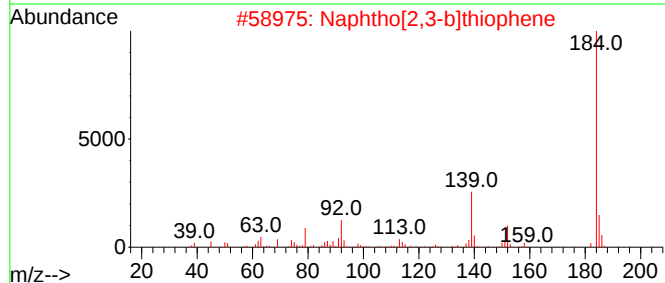
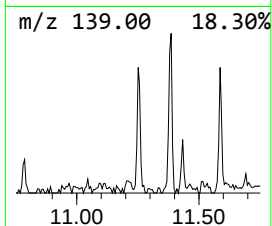
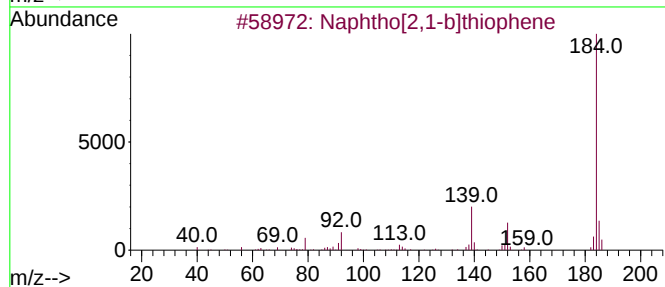
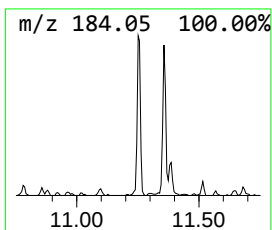
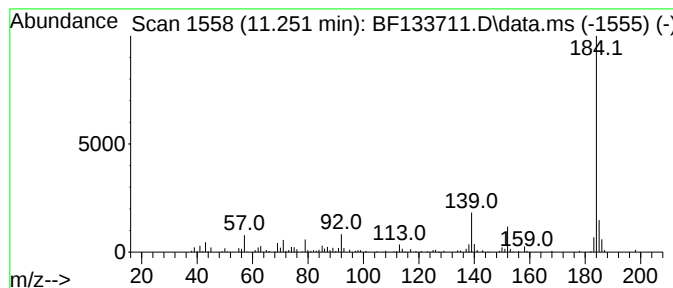
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 5 Naphtho[2,1-b]thiophene Concentration Rank 9

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.251 | 4.57 ng | 100019 | Phenanthrene-d10 | 11.357 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphtho[2,1-b]thiophene | 184 | C12H8S  | 000233-02-3 | 97   |
| 2    |    |   | Naphtho[2,3-b]thiophene | 184 | C12H8S  | 000268-77-9 | 96   |
| 3    |    |   | Dibenzothiophene        | 184 | C12H8S  | 000132-65-0 | 95   |
| 4    |    |   | Naphtho[1,2-b]thiophene | 184 | C12H8S  | 000234-41-3 | 93   |
| 5    |    |   | Azuleno(2,1-b)thiophene | 184 | C12H8S  | 000248-13-5 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061223\  
Data File : BF133711.D  
Acq On : 12 Jun 2023 19:04  
Operator : CG\JU  
Sample : 03044-08  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-04-0-2.0

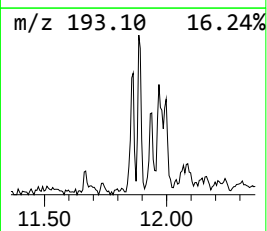
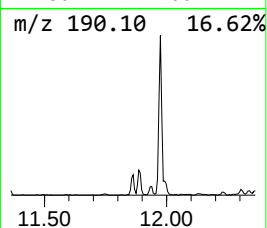
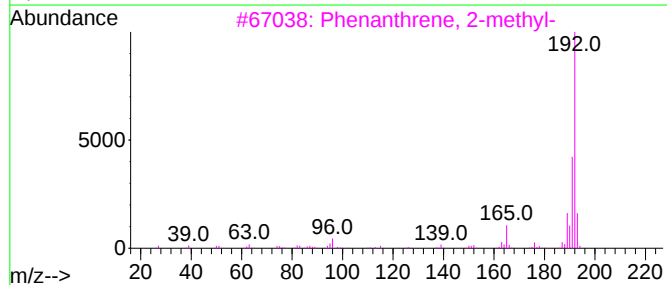
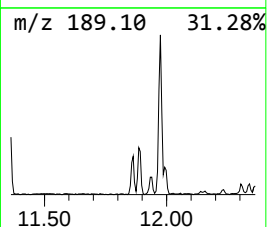
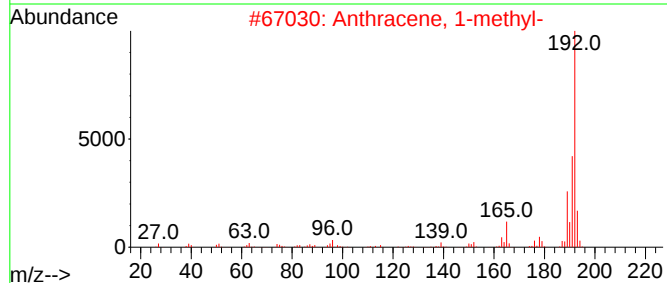
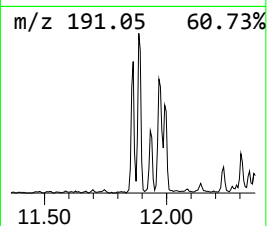
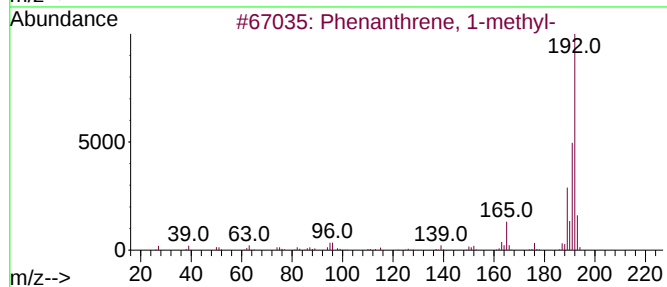
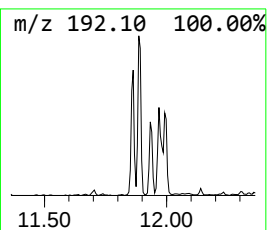
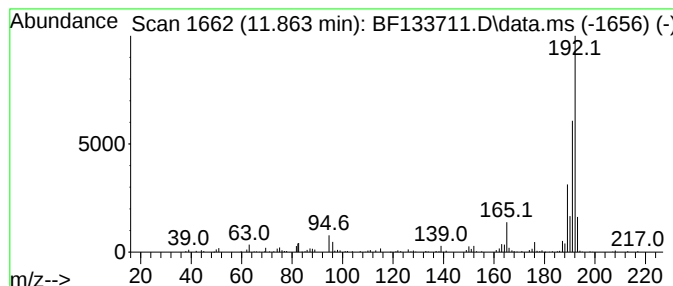
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 4

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.863 | 7.69 ng | 168123 | Phenanthrene-d10 | 11.357 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 93   |
| 2    |    |   | Anthracene, 1-methyl-   | 192 | C15H12  | 000610-48-0 | 93   |
| 3    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 93   |
| 4    |    |   | Anthracene, 2-methyl-   | 192 | C15H12  | 000613-12-7 | 93   |
| 5    |    |   | Anthracene, 9-methyl-   | 192 | C15H12  | 000779-02-2 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061223\  
Data File : BF133711.D  
Acq On : 12 Jun 2023 19:04  
Operator : CG\JU  
Sample : 03044-08  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-04-0-2.0

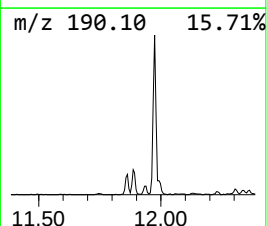
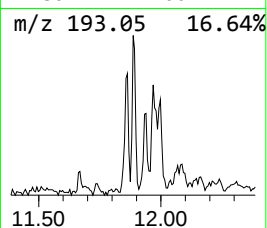
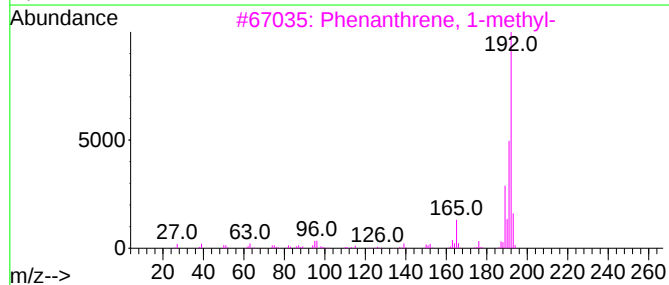
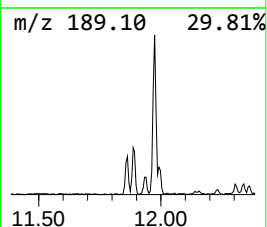
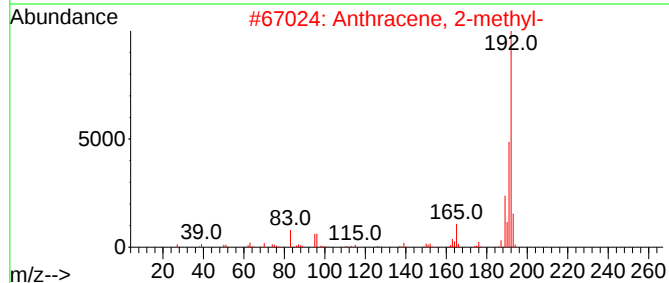
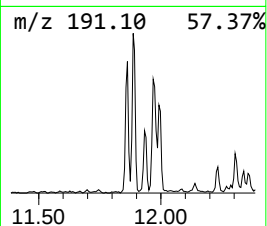
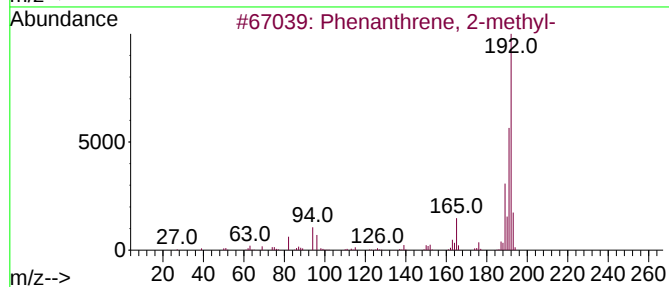
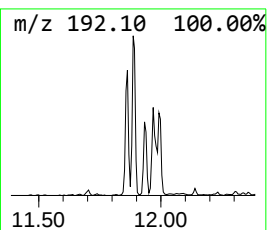
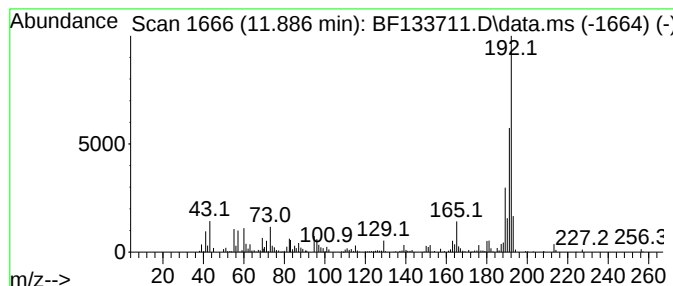
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 3

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 11.886 | 13.02 ng | 284585 | Phenanthrene-d10 | 11.357 |

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



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061223\  
Data File : BF133711.D  
Acq On : 12 Jun 2023 19:04  
Operator : CG\JU  
Sample : 03044-08  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
SB-04-0-2.0

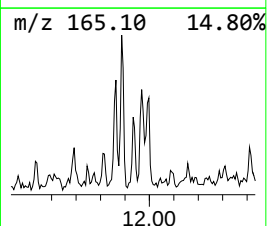
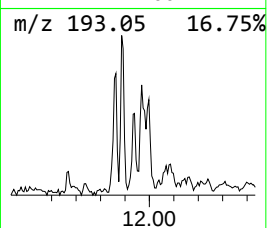
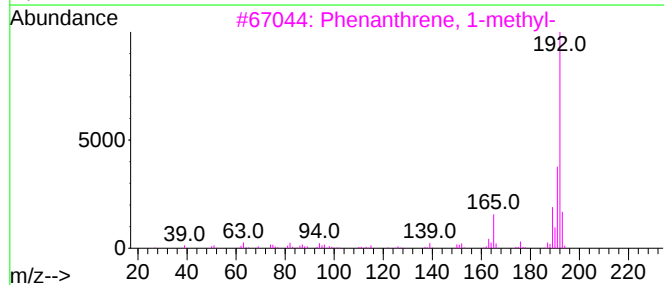
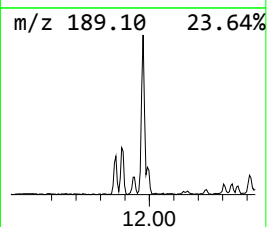
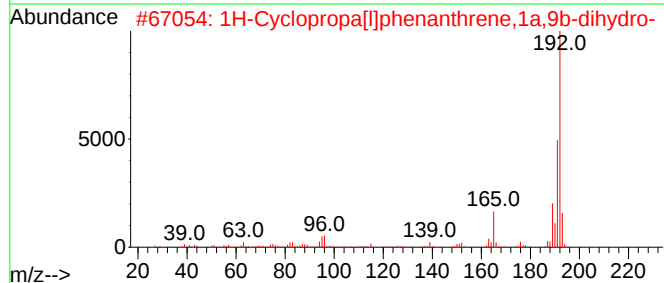
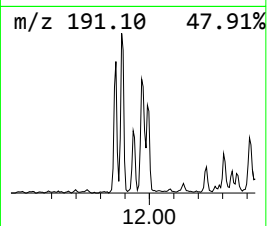
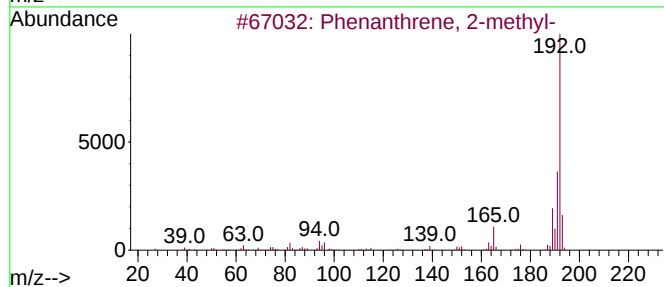
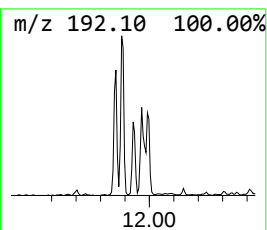
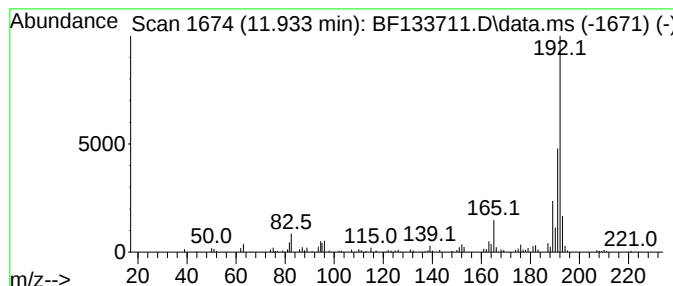
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 10

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 11.933 | 4.28 ng | 93635 | Phenanthrene-d10 | 11.357 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 2-methyl-             | 192 | C15H12  | 002531-84-2 | 96   |
| 2    |    |   | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12  | 000949-41-7 | 95   |
| 3    |    |   | Phenanthrene, 1-methyl-             | 192 | C15H12  | 000832-69-9 | 95   |
| 4    |    |   | Anthracene, 2-methyl-               | 192 | C15H12  | 000613-12-7 | 94   |
| 5    |    |   | Anthracene, 9-methyl-               | 192 | C15H12  | 000779-02-2 | 93   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061223\  
Data File : BF133711.D  
Acq On : 12 Jun 2023 19:04  
Operator : CG\JU  
Sample : 03044-08  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-04-0-2.0

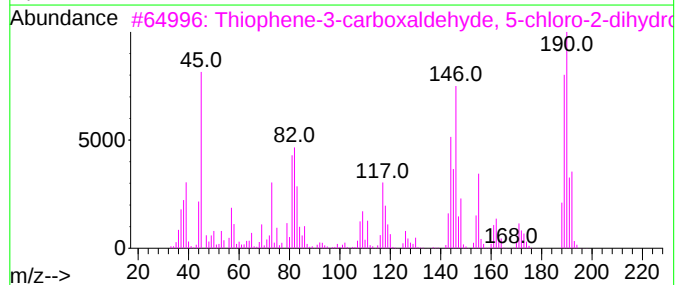
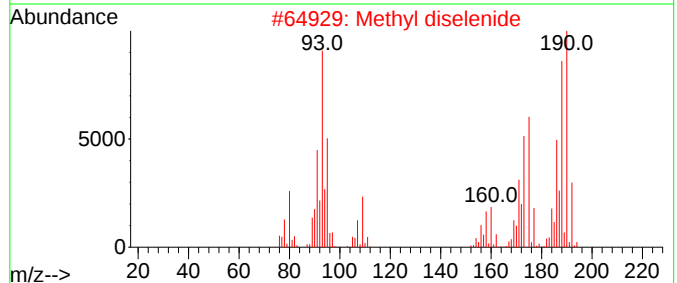
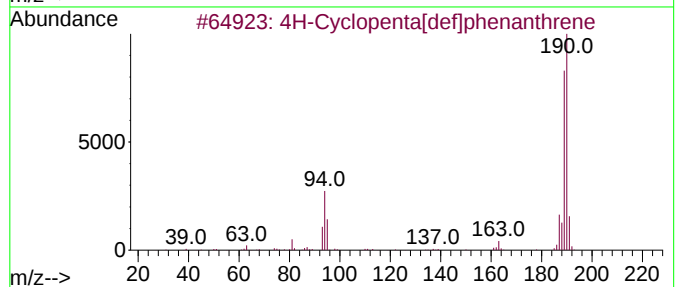
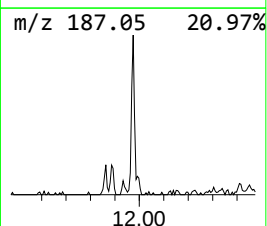
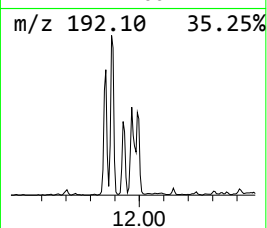
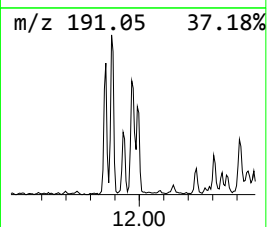
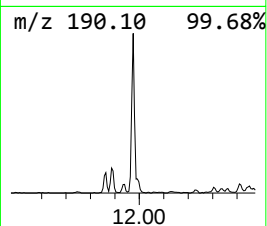
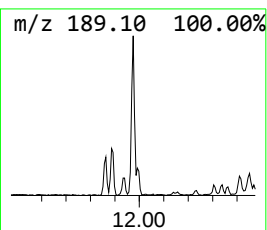
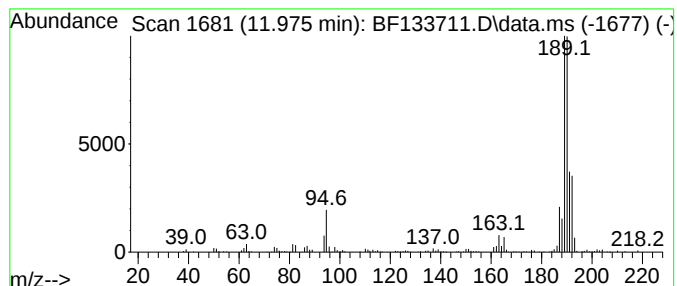
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

| R.T.      | EstConc                             | Area   | Relative to ISTD |            | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|------------|-------------|------|
| 11.975    | 13.08 ng                            | 286067 | Phenanthrene-d10 |            | 11.357      |      |
| Hit# of 5 | Tentative ID                        |        | MW               | MolForm    | CAS#        | Qual |
| 1         | 4H-Cyclopenta[def]phenanthrene      |        | 190              | C15H10     | 000203-64-5 | 87   |
| 2         | Methyl diselenide                   |        | 190              | C2H6Se2    | 007101-31-7 | 55   |
| 3         | Thiophene-3-carboxaldehyde, 5-ch... |        | 190              | C5H4BClO3S | 036155-87-0 | 52   |
| 4         | 6H-Cyclobuta[jk]phenanthrene        |        | 190              | C15H10     | 083469-43-6 | 50   |
| 5         | 2,2'-Bis(4,5-dimethylimidazole)     |        | 190              | C10H14N4   | 069286-06-2 | 45   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061223\  
Data File : BF133711.D  
Acq On : 12 Jun 2023 19:04  
Operator : CG\JU  
Sample : 03044-08  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-04-0-2.0

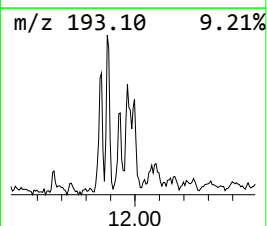
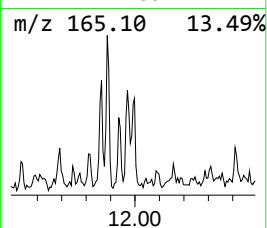
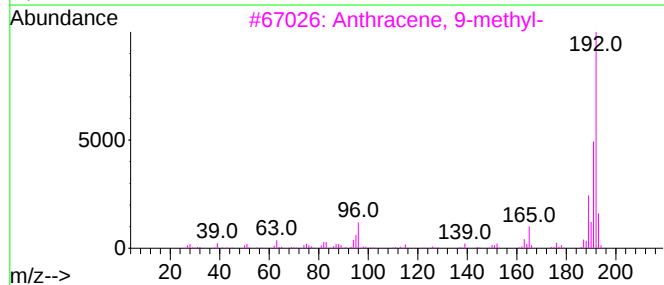
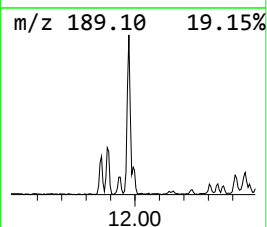
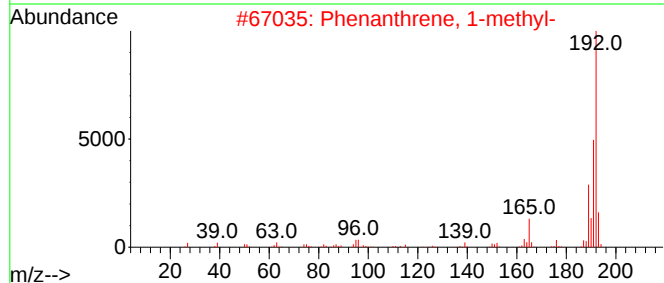
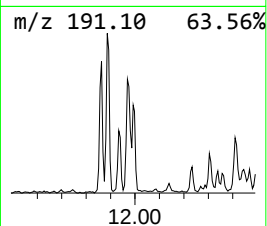
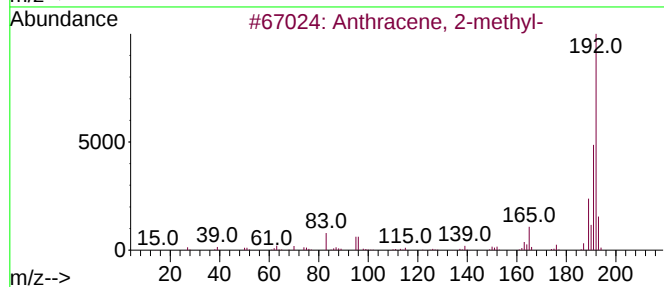
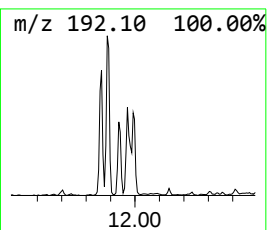
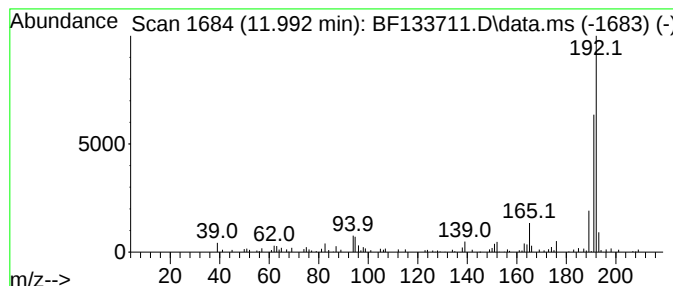
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 10 Anthracene, 2-methyl- Concentration Rank 11

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 11.992 | 3.61 ng | 78991 | Phenanthrene-d10 | 11.357 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Anthracene, 2-methyl-   | 192 | C15H12  | 000613-12-7 | 74   |
| 2    |    |   | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 72   |
| 3    |    |   | Anthracene, 9-methyl-   | 192 | C15H12  | 000779-02-2 | 72   |
| 4    |    |   | Propyne, 1,3-diphenyl-  | 192 | C15H12  | 004980-70-5 | 64   |
| 5    |    |   | Anthracene, 1-methyl-   | 192 | C15H12  | 000610-48-0 | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061223\  
Data File : BF133711.D  
Acq On : 12 Jun 2023 19:04  
Operator : CG\JU  
Sample : 03044-08  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-04-0-2.0

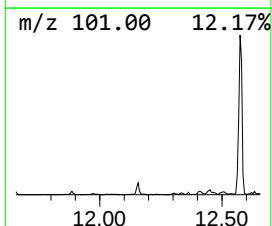
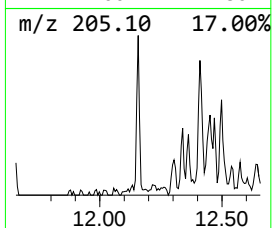
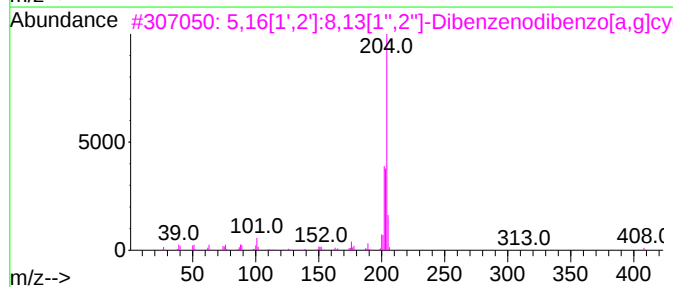
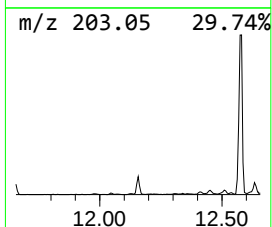
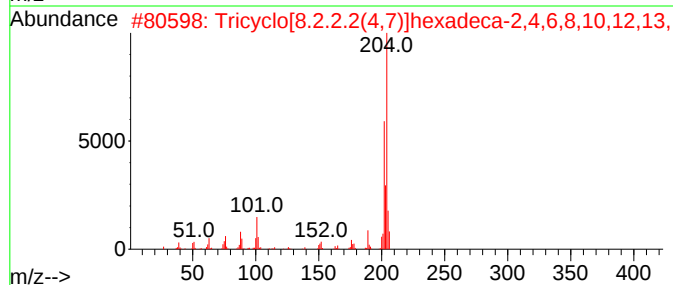
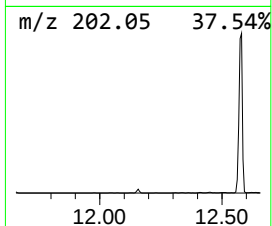
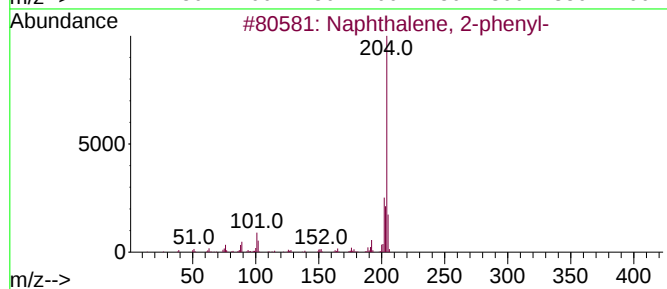
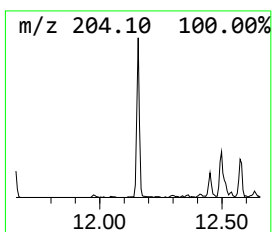
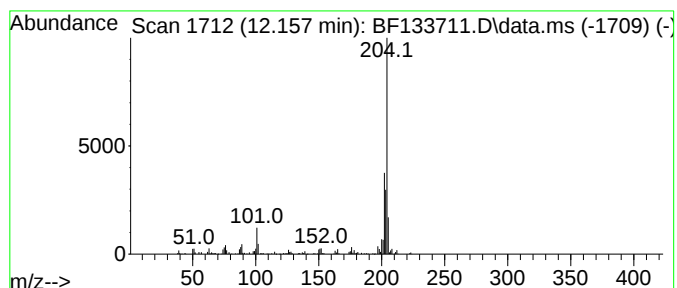
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 7

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 12.157 | 5.51 ng | 120572 | Phenanthrene-d10 | 11.357 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | Naphthalene, 2-phenyl-              | 204 | C16H12    | 000612-94-2 | 90   |
| 2    |    |   | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12    | 006572-60-7 | 90   |
| 3    |    |   | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24    | 005672-97-9 | 64   |
| 4    |    |   | Naphthalene, 1-phenyl-              | 204 | C16H12    | 000605-02-7 | 62   |
| 5    |    |   | 9,10-Bis(bromomethyl)anthracene     | 362 | C16H12Br2 | 034373-96-1 | 58   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061223\  
Data File : BF133711.D  
Acq On : 12 Jun 2023 19:04  
Operator : CG\JU  
Sample : 03044-08  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-04-0-2.0

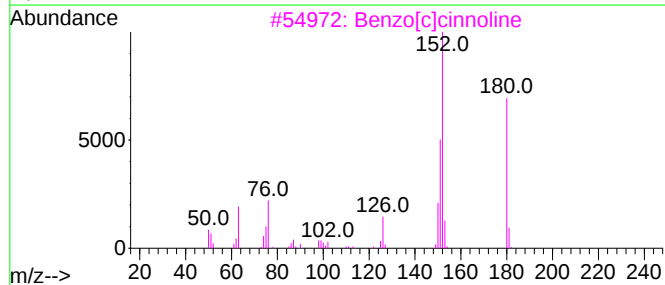
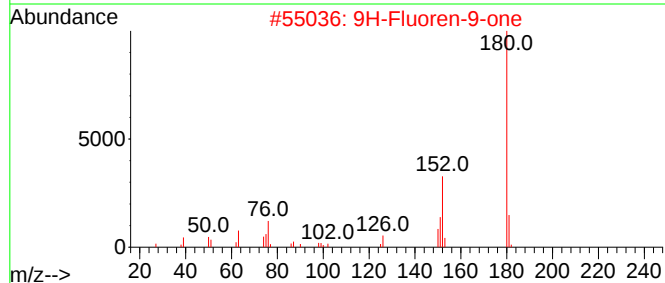
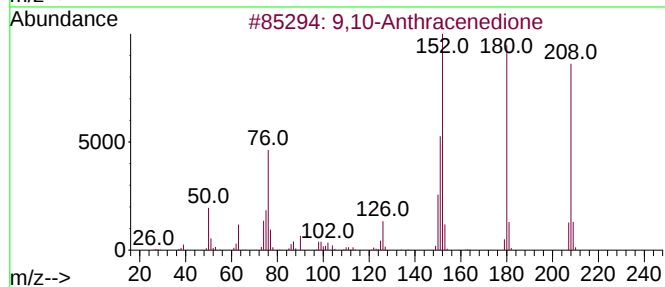
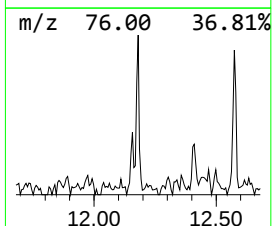
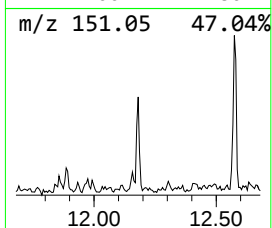
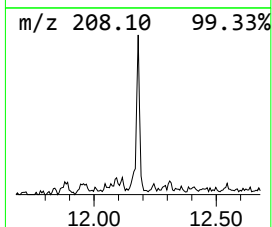
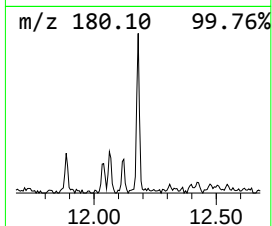
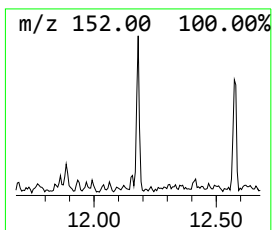
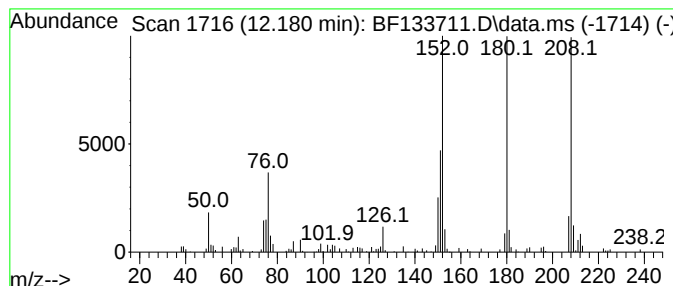
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 12 9,10-Anthracenedione Concentration Rank 16

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 12.180 | 3.31 ng | 72456 | Phenanthrene-d10 | 11.357 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 94   |
| 2    |    |   | 9H-Fluoren-9-one     | 180 | C13H8O  | 000486-25-9 | 58   |
| 3    |    |   | Benzo[c]cinnoline    | 180 | C12H8N2 | 000230-17-1 | 58   |
| 4    |    |   | Benzo[h]cinnoline    | 180 | C12H8N2 | 000230-31-9 | 49   |
| 5    |    |   | 1H-Phenalen-1-one    | 180 | C13H8O  | 000548-39-0 | 47   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061223\  
Data File : BF133711.D  
Acq On : 12 Jun 2023 19:04  
Operator : CG\JU  
Sample : 03044-08  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-04-0-2.0

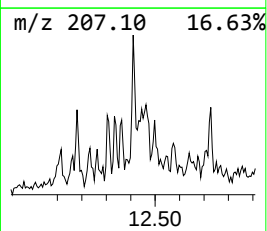
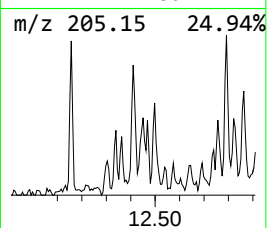
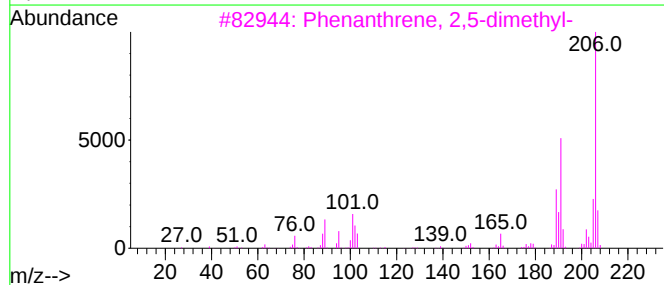
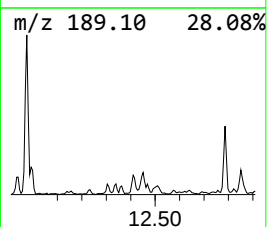
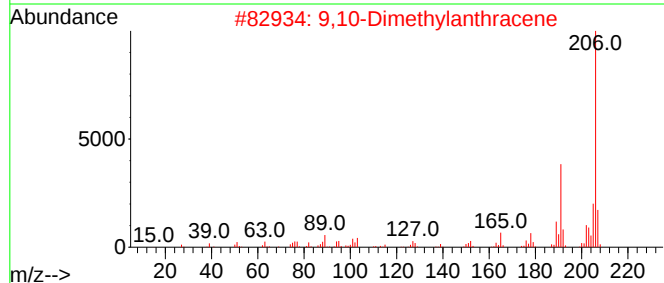
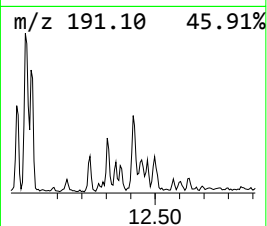
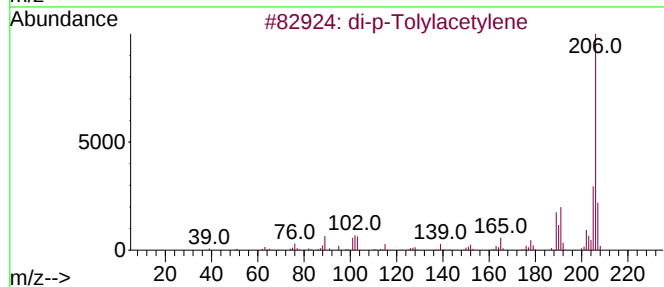
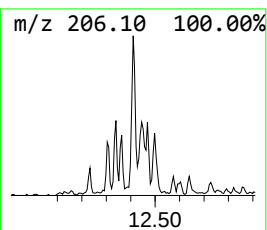
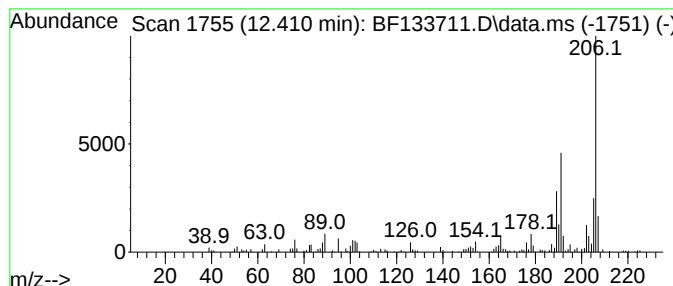
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 13 di-p-Tolylacetylene Concentration Rank 8

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 12.410 | 5.14 ng | 112302 | Phenanthrene-d10 | 11.357 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#         | Qual |
|------|----|---|-----------------------------|-----|---------|--------------|------|
| 1    |    |   | di-p-Tolylacetylene         | 206 | C16H14  | 002789-88-0  | 94   |
| 2    |    |   | 9,10-Dimethylantracene      | 206 | C16H14  | 000781-43-1  | 93   |
| 3    |    |   | Phenanthrene, 2,5-dimethyl- | 206 | C16H14  | 003674-66-6  | 93   |
| 4    |    |   | Phenanthrene, 2,3-dimethyl- | 206 | C16H14  | 003674-65-5  | 87   |
| 5    |    |   | 3,4-Dimethylphenanthrene    | 206 | C16H14  | 1000452-24-5 | 87   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061223\  
Data File : BF133711.D  
Acq On : 12 Jun 2023 19:04  
Operator : CG\JU  
Sample : 03044-08  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-04-0-2.0

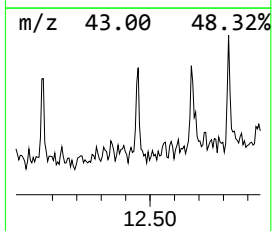
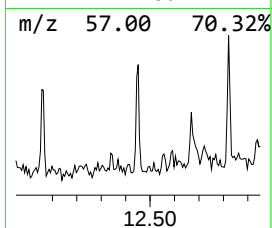
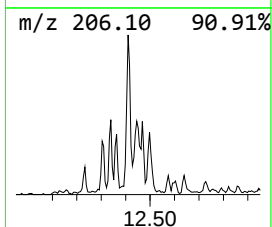
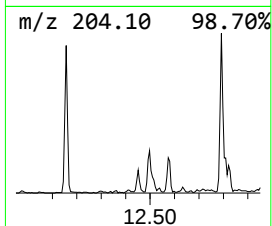
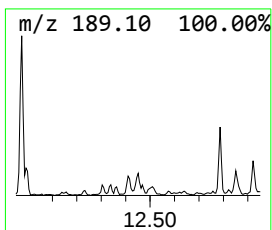
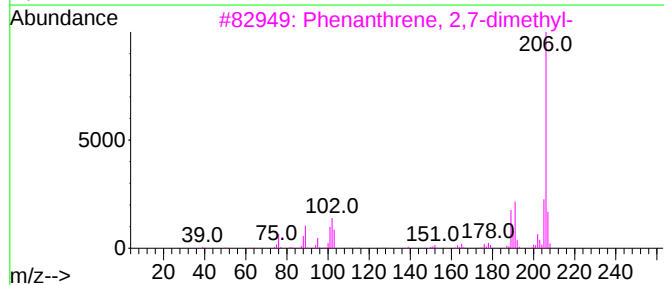
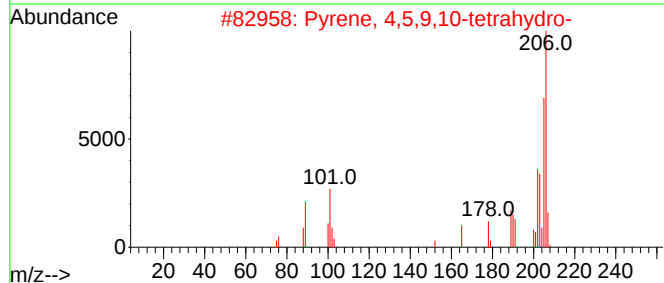
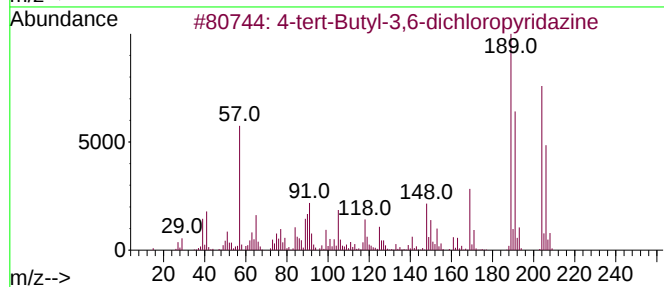
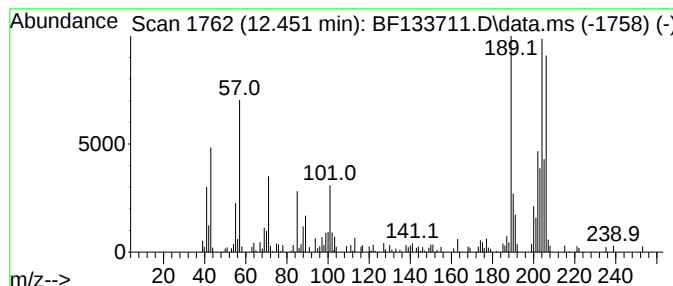
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 14 unknown12.451 Concentration Rank 14

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 12.451 | 3.49 ng | 76373 | Phenanthrene-d10 | 11.357 |

| Hit# | of                                  | 5   | Tentative ID | MW           | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|--------------|---------|------|------|
| 1    | 4-tert-Butyl-3,6-dichloropyridazine | 204 | C8H10Cl2N2   | 022808-29-3  | 43      |      |      |
| 2    | Pyrene, 4,5,9,10-tetrahydro-        | 206 | C16H14       | 000781-17-9  | 30      |      |      |
| 3    | Phenanthrene, 2,7-dimethyl-         | 206 | C16H14       | 001576-69-8  | 27      |      |      |
| 4    | 4-Bromo-2-methyl-2H-pyrazole-3-c... | 204 | C5H5BrN2O2   | 1000300-50-8 | 27      |      |      |
| 5    | 2-Acetyl-3,7-dimethylbenzo(b)thi... | 204 | C12H12OS     | 006179-06-2  | 27      |      |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061223\  
Data File : BF133711.D  
Acq On : 12 Jun 2023 19:04  
Operator : CG\JU  
Sample : 03044-08  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-04-0-2.0

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

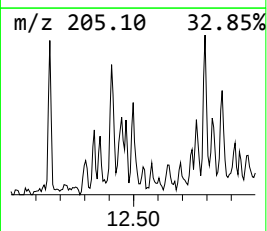
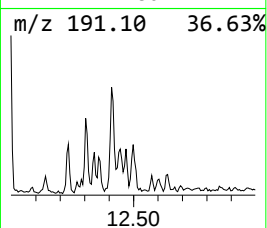
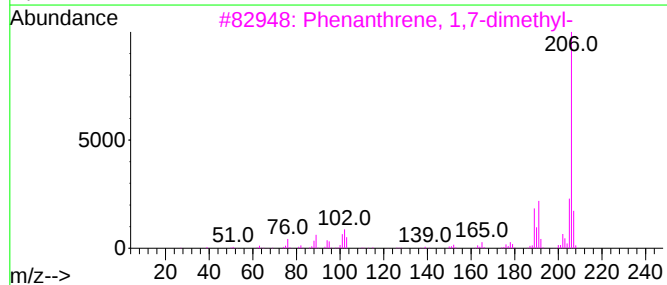
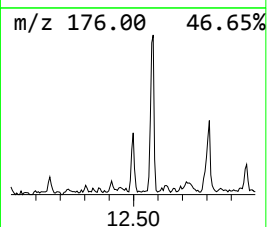
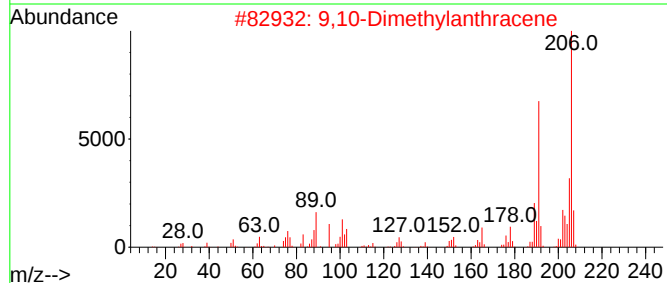
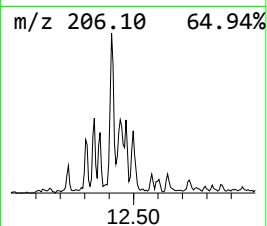
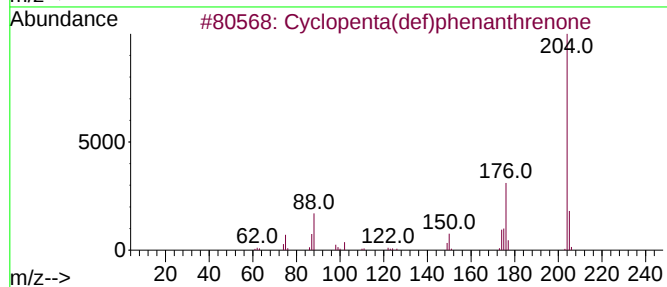
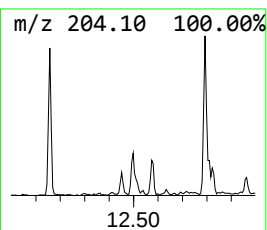
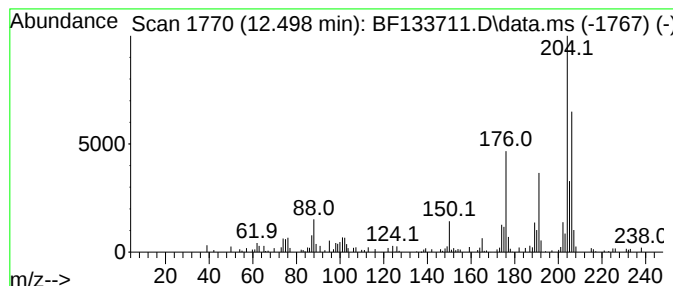
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TIC Integration Parameters: LSCINT.P

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Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 13

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 12.498 | 3.52 ng | 77003 | Phenanthrene-d10 | 11.357 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclopenta(def)phenanthrenone       | 204 | C15H8O  | 005737-13-3 | 70   |
| 2    |    |   | 9,10-Dimethylantracene              | 206 | C16H14  | 000781-43-1 | 46   |
| 3    |    |   | Phenanthrene, 1,7-dimethyl-         | 206 | C16H14  | 000483-87-4 | 42   |
| 4    |    |   | 1-Methyl-3-phenyl-1H-indene         | 206 | C16H14  | 022360-62-9 | 42   |
| 5    |    |   | Benzene, (2-methylene-1-phenylcy... | 206 | C16H14  | 025152-47-0 | 41   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061223\  
Data File : BF133711.D  
Acq On : 12 Jun 2023 19:04  
Operator : CG\JU  
Sample : 03044-08  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-04-0-2.0

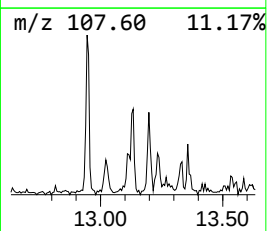
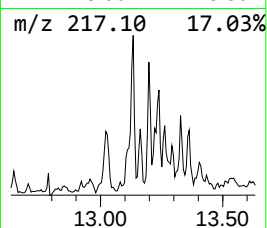
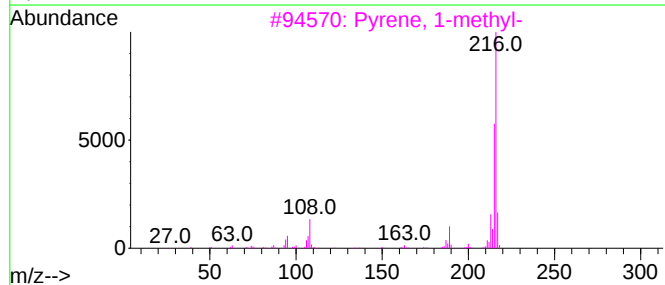
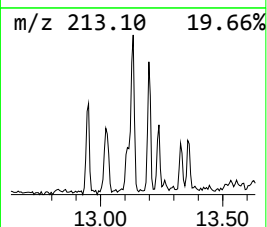
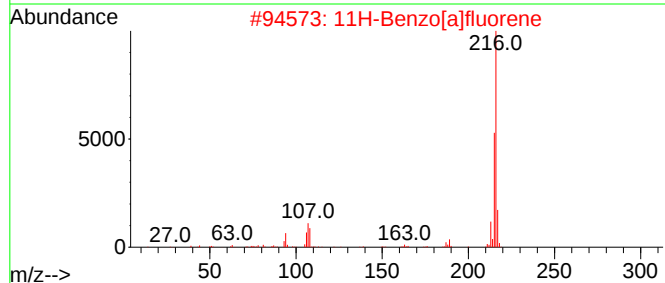
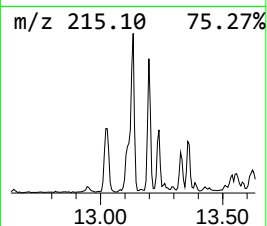
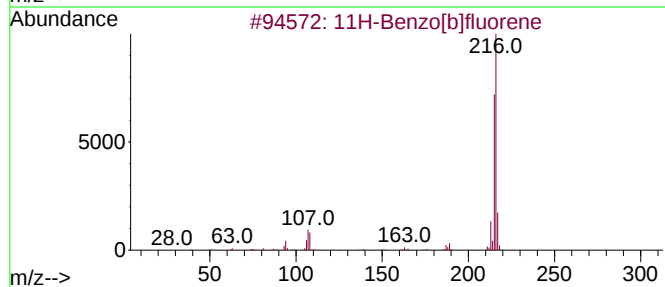
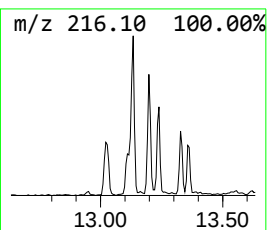
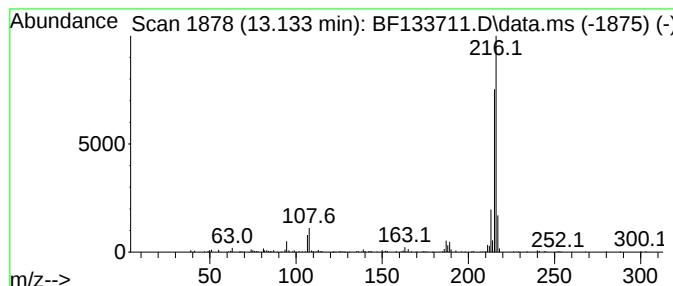
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 19

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.133 | 2.93 ng | 209840 | Chrysene-d12     | 14.004 |

| 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 | 94   |
| 3    |      | Pyrene, 1-methyl-       | 216 | C17H12  | 002381-21-7 | 90   |
| 4    |      | Pyrene, 2-methyl-       | 216 | C17H12  | 003442-78-2 | 90   |
| 5    |      | Fluoranthene, 2-methyl- | 216 | C17H12  | 033543-31-6 | 87   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061223\  
Data File : BF133711.D  
Acq On : 12 Jun 2023 19:04  
Operator : CG\JU  
Sample : 03044-08  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-04-0-2.0

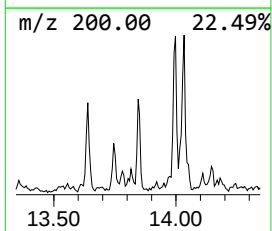
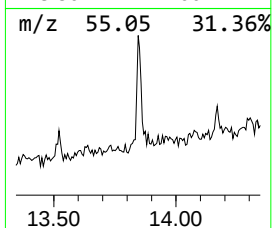
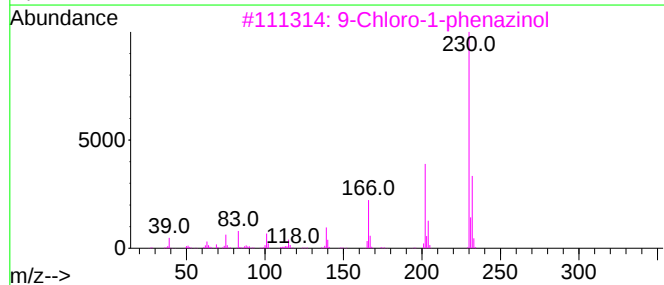
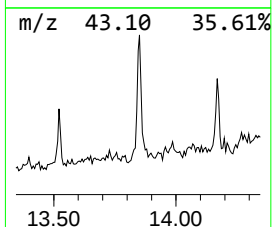
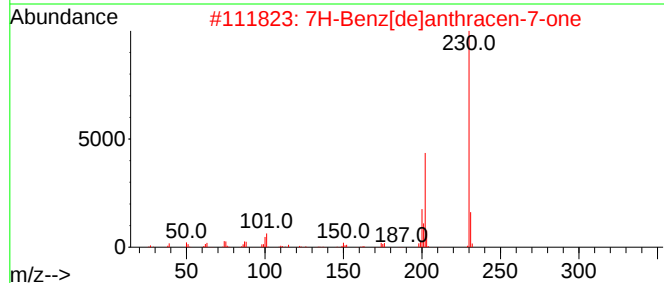
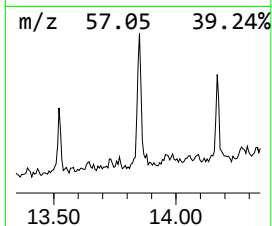
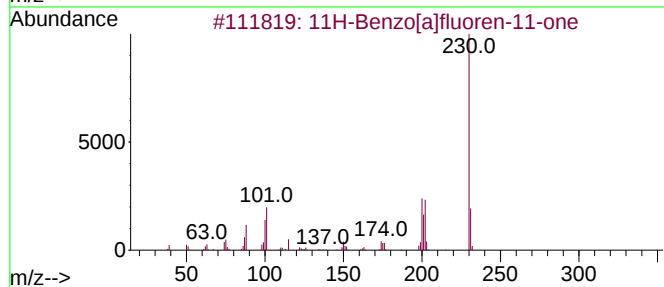
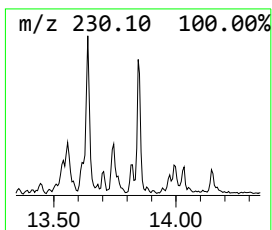
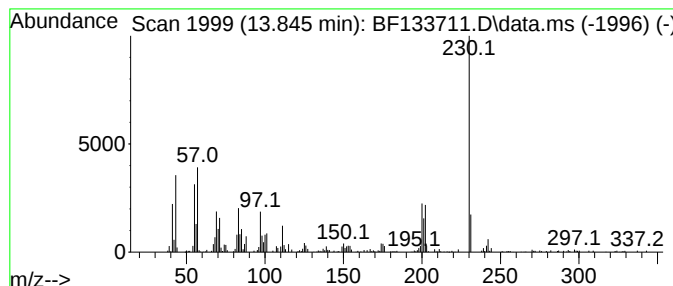
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 17 11H-Benzo[a]fluoren-11-one Concentration Rank 15

| R.T.      | EstConc                    | Area   | Relative to ISTD | R.T.        |      |
|-----------|----------------------------|--------|------------------|-------------|------|
| 13.845    | 3.38 ng                    | 241652 | Chrysene-d12     | 14.004      |      |
| Hit# of 5 | Tentative ID               | MW     | MolForm          | CAS#        | Qual |
| 1         | 11H-Benzo[a]fluoren-11-one | 230    | C17H10O          | 000479-79-8 | 95   |
| 2         | 7H-Benz[de]anthracen-7-one | 230    | C17H10O          | 000082-05-3 | 53   |
| 3         | 9-Chloro-1-phenazinol      | 230    | C12H7ClN2O       | 091268-03-0 | 43   |
| 4         | 2-Chloro-9-xanthenone      | 230    | C13H7ClO2        | 013210-15-6 | 43   |
| 5         | p-Terphenyl                | 230    | C18H14           | 000092-94-4 | 38   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061223\  
Data File : BF133711.D  
Acq On : 12 Jun 2023 19:04  
Operator : CG\JU  
Sample : 03044-08  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-04-0-2.0

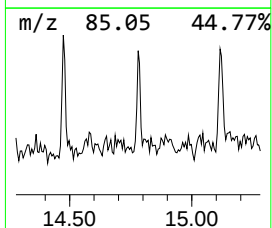
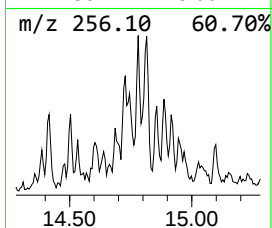
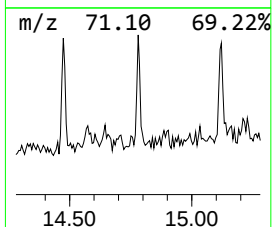
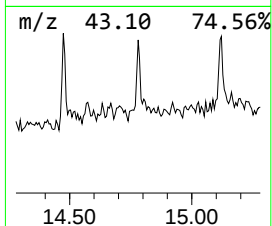
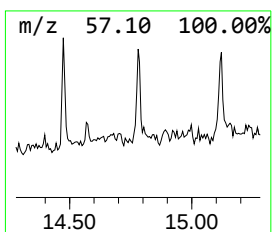
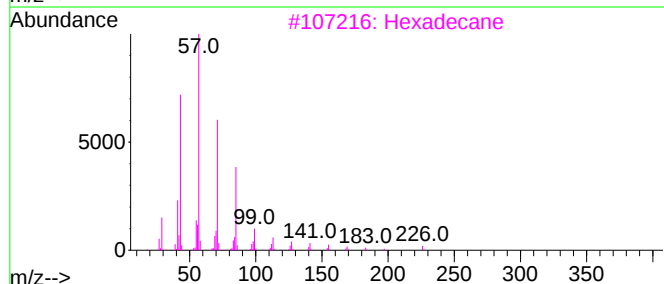
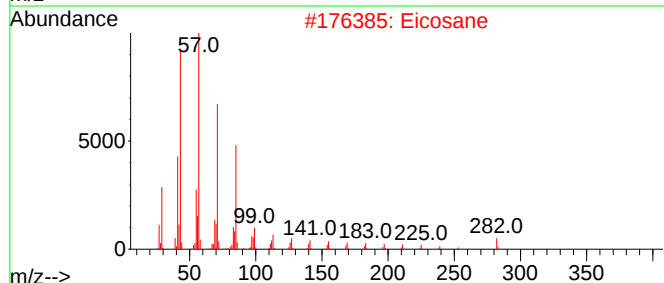
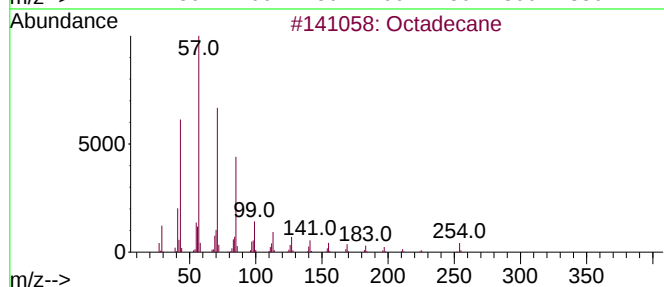
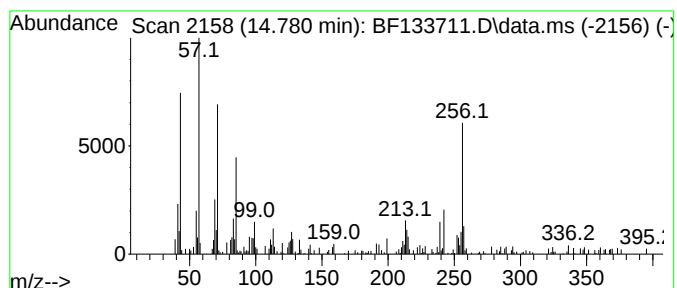
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 18 Octadecane Concentration Rank 18

| R.T.      | EstConc               | Area  | Relative to ISTD | R.T.        |      |
|-----------|-----------------------|-------|------------------|-------------|------|
| 14.780    | 3.12 ng               | 49569 | Perylene-d12     | 15.468      |      |
| Hit# of 5 | Tentative ID          | MW    | MolForm          | CAS#        | Qual |
| 1         | Octadecane            | 254   | C18H38           | 000593-45-3 | 66   |
| 2         | Eicosane              | 282   | C20H42           | 000112-95-8 | 56   |
| 3         | Hexadecane            | 226   | C16H34           | 000544-76-3 | 46   |
| 4         | Octadecane, 1-chloro- | 288   | C18H37Cl         | 003386-33-2 | 46   |
| 5         | Heptadecane           | 240   | C17H36           | 000629-78-7 | 46   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061223\  
Data File : BF133711.D  
Acq On : 12 Jun 2023 19:04  
Operator : CG\JU  
Sample : 03044-08  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-04-0-2.0

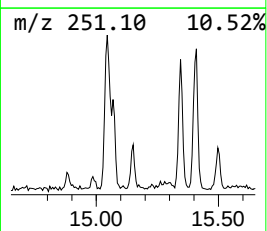
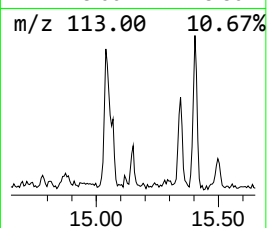
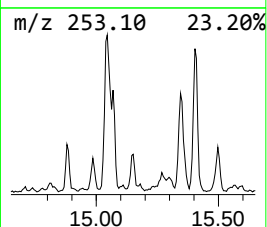
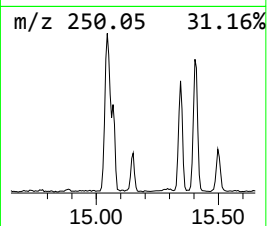
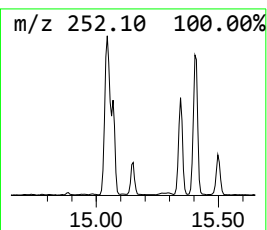
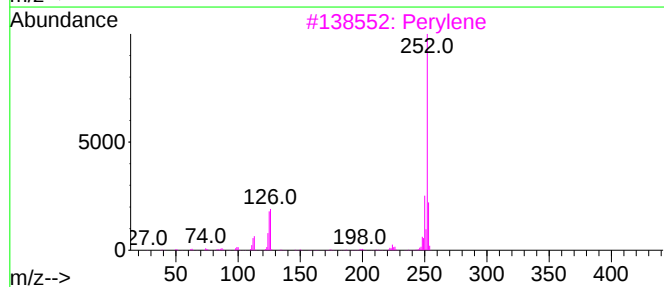
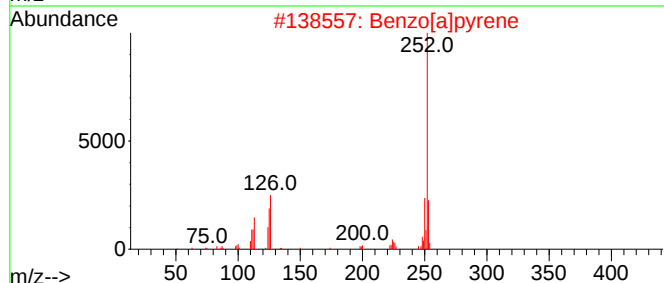
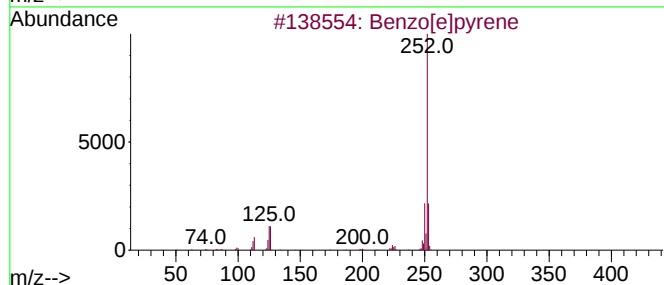
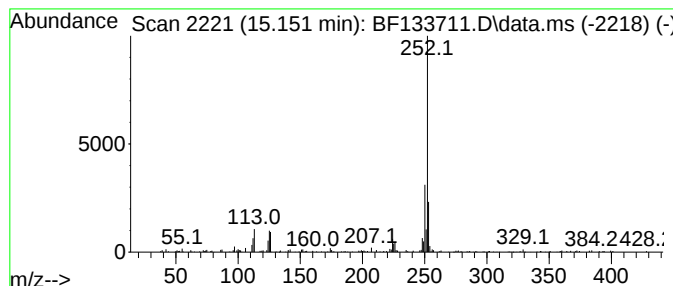
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 19 Benzo[e]pyrene Concentration Rank 5

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 15.151 | 6.94 ng | 110105 | Perylene-d12     | 15.468 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Benzo[e]pyrene       | 252 | C20H12  | 000192-97-2 | 93   |
| 2    |    |   | Benzo[a]pyrene       | 252 | C20H12  | 000050-32-8 | 91   |
| 3    |    |   | Perylene             | 252 | C20H12  | 000198-55-0 | 90   |
| 4    |    |   | Benzo[b]fluoranthene | 252 | C20H12  | 000205-99-2 | 90   |
| 5    |    |   | Benzo[k]fluoranthene | 252 | C20H12  | 000207-08-9 | 89   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061223\  
Data File : BF133711.D  
Acq On : 12 Jun 2023 19:04  
Operator : CG\JU  
Sample : 03044-08  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-04-0-2.0

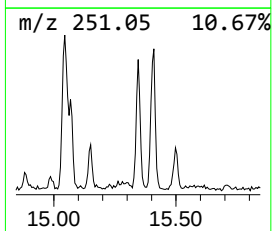
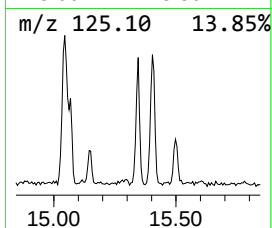
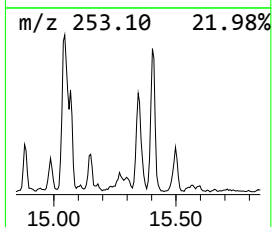
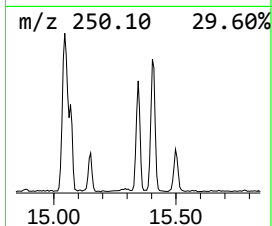
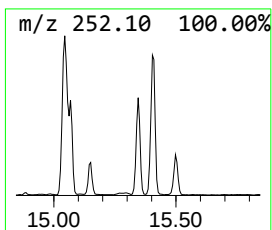
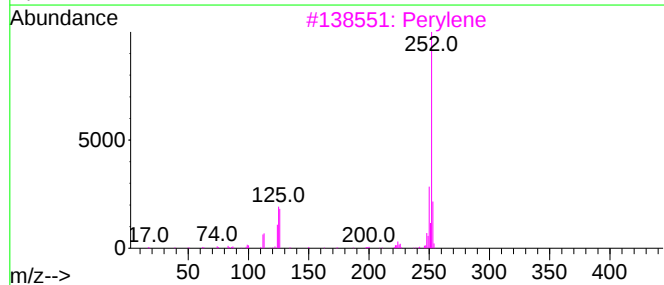
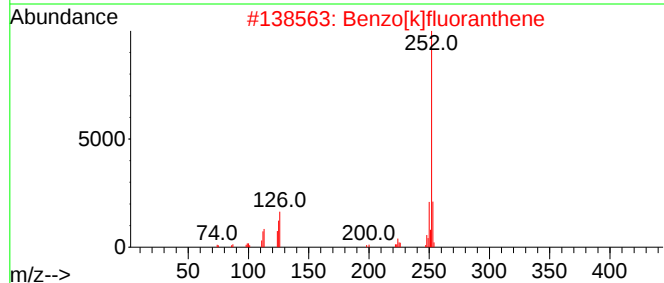
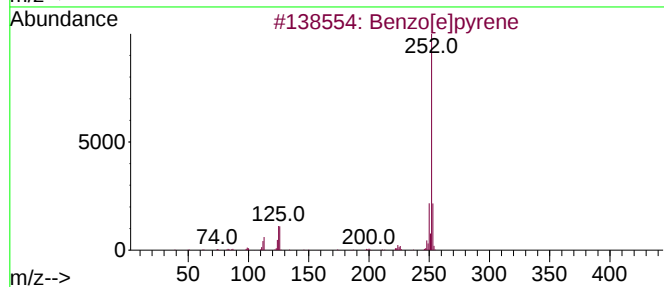
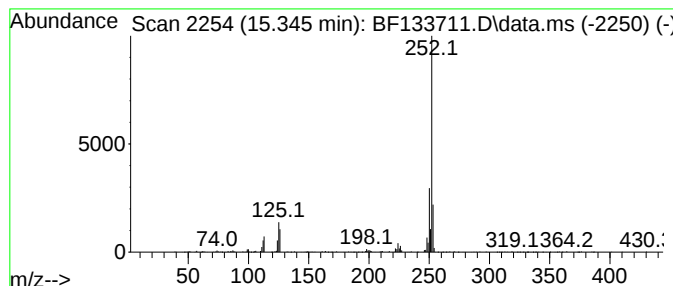
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 20 Perylene Concentration Rank 1

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 15.345 | 23.04 ng | 365646 | Perylene-d12     | 15.468 |

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



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061223\  
 Data File : BF133711.D  
 Acq On : 12 Jun 2023 19:04  
 Operator : CG\JU  
 Sample : 03044-08  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-04-0-2.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L  
 TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| Benzophenone       | 10.581 | 5.8     | ng    | 131746   | 3                     | 9.869  | 451100  | 20.0 |
| unknown10.781      | 10.781 | 2.5     | ng    | 53528    | 4                     | 11.357 | 437301  | 20.0 |
| 9H-Fluorene, 2-... | 10.969 | 3.2     | ng    | 70121    | 4                     | 11.357 | 437301  | 20.0 |
| Anthracene, 1,2... | 11.222 | 3.6     | ng    | 78512    | 4                     | 11.357 | 437301  | 20.0 |
| Naphtho[2,1-b]t... | 11.251 | 4.6     | ng    | 100019   | 4                     | 11.357 | 437301  | 20.0 |
| Phenanthrene, 1... | 11.863 | 7.7     | ng    | 168123   | 4                     | 11.357 | 437301  | 20.0 |
| Phenanthrene, 2... | 11.886 | 13.0    | ng    | 284585   | 4                     | 11.357 | 437301  | 20.0 |
| 1H-Cyclopropa[l... | 11.933 | 4.3     | ng    | 93635    | 4                     | 11.357 | 437301  | 20.0 |
| 4H-Cyclopenta[d... | 11.975 | 13.1    | ng    | 286067   | 4                     | 11.357 | 437301  | 20.0 |
| Anthracene, 2-m... | 11.992 | 3.6     | ng    | 78991    | 4                     | 11.357 | 437301  | 20.0 |
| Naphthalene, 2-... | 12.157 | 5.5     | ng    | 120572   | 4                     | 11.357 | 437301  | 20.0 |
| 9,10-Anthracene... | 12.180 | 3.3     | ng    | 72456    | 4                     | 11.357 | 437301  | 20.0 |
| di-p-Tolylacety... | 12.410 | 5.1     | ng    | 112302   | 4                     | 11.357 | 437301  | 20.0 |
| unknown12.451      | 12.451 | 3.5     | ng    | 76373    | 4                     | 11.357 | 437301  | 20.0 |
| Cyclopenta(def)... | 12.498 | 3.5     | ng    | 77003    | 4                     | 11.357 | 437301  | 20.0 |
| 11H-Benzo[b]flu... | 13.133 | 2.9     | ng    | 209840   | 5                     | 14.004 | 1431310 | 20.0 |
| 11H-Benzo[a]flu... | 13.845 | 3.4     | ng    | 241652   | 5                     | 14.004 | 1431310 | 20.0 |
| Octadecane         | 14.780 | 3.1     | ng    | 49569    | 6                     | 15.468 | 317452  | 20.0 |
| Benzo[e]pyrene     | 15.151 | 6.9     | ng    | 110105   | 6                     | 15.468 | 317452  | 20.0 |
| Perylene           | 15.345 | 23.0    | ng    | 365646   | 6                     | 15.468 | 317452  | 20.0 |