

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071723\  
 Data File : BF134330.D  
 Acq On : 17 Jul 2023 23:11  
 Operator : CG\JU  
 Sample : 03600-01 2X  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SU-3-071223

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-BF062623.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF134330.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         | 5.469       | 571           | 575         | 588          | rVB      | 687734         | 661051        | 3.16%           | 0.245%        |
| 2         | 6.475       | 743           | 746         | 752          | rBV      | 761868         | 674647        | 3.22%           | 0.250%        |
| 3         | 8.145       | 1027          | 1030        | 1033         | rVV      | 3830619        | 3313990       | 15.82%          | 1.229%        |
| 4         | 8.845       | 1143          | 1149        | 1152         | rBV      | 5644958        | 5871075       | 28.03%          | 2.177%        |
| 5         | 8.945       | 1159          | 1166        | 1169         | rBV      | 5312363        | 5459426       | 26.06%          | 2.024%        |
| 6         | 9.192       | 1205          | 1208        | 1212         | rVB      | 1076268        | 816971        | 3.90%           | 0.303%        |
| 7         | 9.392       | 1239          | 1242        | 1248         | rVB      | 1396632        | 1663822       | 7.94%           | 0.617%        |
| 8         | 9.469       | 1249          | 1255        | 1258         | rBV      | 3112657        | 4544212       | 21.69%          | 1.685%        |
| 9         | 9.545       | 1263          | 1268        | 1270         | rBV      | 4108561        | 4999577       | 23.87%          | 1.854%        |
| 10        | 9.574       | 1270          | 1273        | 1276         | rVB      | 3068331        | 2802740       | 13.38%          | 1.039%        |
| 11        | 9.657       | 1283          | 1287        | 1292         | rBV      | 2296639        | 2728926       | 13.03%          | 1.012%        |
| 12        | 9.739       | 1298          | 1301        | 1304         | rVB      | 2202169        | 1691577       | 8.08%           | 0.627%        |
| 13        | 9.922       | 1327          | 1332        | 1334         | rVV      | 4243990        | 4355406       | 20.79%          | 1.615%        |
| 14        | 9.986       | 1339          | 1343        | 1347         | rBV2     | 1171822        | 1648737       | 7.87%           | 0.611%        |
| 15        | 10.033      | 1347          | 1351        | 1353         | rVV3     | 602023         | 777444        | 3.71%           | 0.288%        |
| 16        | 10.086      | 1353          | 1360        | 1363         | rVV2     | 3403305        | 3834146       | 18.30%          | 1.422%        |
| 17        | 10.122      | 1363          | 1366        | 1369         | rVB      | 1853058        | 1691086       | 8.07%           | 0.627%        |
| 18        | 10.198      | 1375          | 1379        | 1381         | rBV      | 1630631        | 1609507       | 7.68%           | 0.597%        |
| 19        | 10.227      | 1381          | 1384        | 1387         | rVB      | 1647931        | 1179513       | 5.63%           | 0.437%        |
| 20        | 10.286      | 1390          | 1394        | 1396         | rBV      | 1040670        | 1557302       | 7.43%           | 0.577%        |
| 21        | 10.310      | 1396          | 1398        | 1400         | rVB      | 999995         | 749284        | 3.58%           | 0.278%        |
| 22        | 10.386      | 1405          | 1411        | 1413         | rBV3     | 688035         | 958202        | 4.57%           | 0.355%        |
| 23        | 10.445      | 1413          | 1421        | 1424         | rVV      | 5261392        | 6234498       | 29.76%          | 2.312%        |
| 24        | 10.486      | 1424          | 1428        | 1429         | rVV      | 782758         | 881779        | 4.21%           | 0.327%        |
| 25        | 10.498      | 1429          | 1430        | 1432         | rVV      | 1202428        | 1052757       | 5.03%           | 0.390%        |
| 26        | 10.521      | 1432          | 1434        | 1436         | rVV2     | 1443571        | 1266688       | 6.05%           | 0.470%        |
| 27        | 10.545      | 1436          | 1438        | 1440         | rVV      | 840016         | 749915        | 3.58%           | 0.278%        |
| 28        | 10.586      | 1443          | 1445        | 1449         | rVB2     | 1169665        | 1321183       | 6.31%           | 0.490%        |
| 29        | 10.669      | 1453          | 1459        | 1463         | rVB3     | 1419254        | 1839895       | 8.78%           | 0.682%        |
| 30        | 10.792      | 1474          | 1480        | 1487         | rVB3     | 984595         | 1263732       | 6.03%           | 0.469%        |
| 31        | 10.986      | 1507          | 1513        | 1515         | rBV2     | 2089056        | 2660584       | 12.70%          | 0.987%        |
| 32        | 11.016      | 1515          | 1518        | 1520         | rBV2     | 1741990        | 1333396       | 6.37%           | 0.494%        |
| 33        | 11.069      | 1525          | 1527        | 1529         | rVV      | 1544781        | 1152669       | 5.50%           | 0.427%        |
| 34        | 11.092      | 1529          | 1531        | 1533         | rVV      | 621449         | 670596        | 3.20%           | 0.249%        |
| 35        | 11.110      | 1533          | 1534        | 1536         | rVV      | 673006         | 701652        | 3.35%           | 0.260%        |
| 36        | 11.133      | 1536          | 1538        | 1544         | rVV      | 891767         | 1250002       | 5.97%           | 0.463%        |

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 Sample : 03600-01 2X  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SU-3-071223

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-BF062623.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |          |         |        |
|----|--------|------|------|------|------|---------|----------|---------|--------|
| 37 | 11.180 | 1544 | 1546 | 1551 | rVV2 | 506960  | 735801   | 3.51%   | 0.273% |
| 38 | 11.227 | 1551 | 1554 | 1558 | rVV2 | 713662  | 1027656  | 4.91%   | 0.381% |
| 39 | 11.280 | 1558 | 1563 | 1569 | rVB  | 2694395 | 2994680  | 14.30%  | 1.110% |
| 40 | 11.445 | 1576 | 1591 | 1593 | rBV  | 8812679 | 20948214 | 100.00% | 7.767% |
| 41 | 11.480 | 1593 | 1597 | 1599 | rVV  | 5792333 | 6933753  | 33.10%  | 2.571% |
| 42 | 11.539 | 1605 | 1607 | 1612 | rVV3 | 807806  | 1376556  | 6.57%   | 0.510% |
| 43 | 11.616 | 1616 | 1620 | 1627 | rVV  | 1570725 | 2430214  | 11.60%  | 0.901% |
| 44 | 11.674 | 1628 | 1630 | 1633 | rVV  | 869434  | 863937   | 4.12%   | 0.320% |
| 45 | 11.716 | 1633 | 1637 | 1642 | rVV2 | 1946969 | 2440242  | 11.65%  | 0.905% |
| 46 | 11.798 | 1648 | 1651 | 1654 | rVV  | 1438364 | 1617564  | 7.72%   | 0.600% |
| 47 | 11.898 | 1662 | 1668 | 1670 | rVV  | 5041890 | 6556024  | 31.30%  | 2.431% |
| 48 | 11.933 | 1670 | 1674 | 1677 | rVB  | 5837455 | 6940525  | 33.13%  | 2.573% |
| 49 | 11.974 | 1677 | 1681 | 1684 | rBV  | 2038764 | 2669232  | 12.74%  | 0.990% |
| 50 | 12.016 | 1684 | 1688 | 1691 | rVV  | 6061959 | 8947358  | 42.71%  | 3.318% |
| 51 | 12.039 | 1691 | 1692 | 1695 | rVV  | 4091658 | 2918354  | 13.93%  | 1.082% |
| 52 | 12.121 | 1704 | 1706 | 1709 | rVV  | 792970  | 667022   | 3.18%   | 0.247% |
| 53 | 12.186 | 1709 | 1717 | 1720 | rVV  | 2545701 | 3312093  | 15.81%  | 1.228% |
| 54 | 12.221 | 1721 | 1723 | 1727 | rVB3 | 910760  | 1067271  | 5.09%   | 0.396% |
| 55 | 12.333 | 1740 | 1742 | 1745 | rVV  | 1746698 | 1728242  | 8.25%   | 0.641% |
| 56 | 12.368 | 1745 | 1748 | 1750 | rVV  | 2344222 | 2409995  | 11.50%  | 0.894% |
| 57 | 12.392 | 1750 | 1752 | 1756 | rVB2 | 1742163 | 1573564  | 7.51%   | 0.583% |
| 58 | 12.451 | 1756 | 1762 | 1765 | rBV  | 3911561 | 5621110  | 26.83%  | 2.084% |
| 59 | 12.492 | 1765 | 1769 | 1771 | rVV  | 2603388 | 4031568  | 19.25%  | 1.495% |
| 60 | 12.551 | 1774 | 1779 | 1783 | rVV3 | 1310860 | 2460660  | 11.75%  | 0.912% |
| 61 | 12.639 | 1786 | 1794 | 1797 | rVV  | 7053320 | 14712169 | 70.23%  | 5.455% |
| 62 | 12.674 | 1798 | 1800 | 1805 | rVB3 | 1050178 | 1028993  | 4.91%   | 0.382% |
| 63 | 12.763 | 1812 | 1815 | 1818 | rBV  | 927351  | 1045508  | 4.99%   | 0.388% |
| 64 | 12.868 | 1826 | 1833 | 1836 | rVV3 | 7581458 | 17405297 | 83.09%  | 6.454% |
| 65 | 12.898 | 1836 | 1838 | 1842 | rVB  | 2128037 | 2016168  | 9.62%   | 0.748% |
| 66 | 12.957 | 1842 | 1848 | 1849 | rBV3 | 780427  | 1330730  | 6.35%   | 0.493% |
| 67 | 12.974 | 1849 | 1851 | 1854 | rVV3 | 1046452 | 1216924  | 5.81%   | 0.451% |
| 68 | 13.004 | 1854 | 1856 | 1860 | rVB2 | 921296  | 947443   | 4.52%   | 0.351% |
| 69 | 13.068 | 1861 | 1867 | 1873 | rBV6 | 1874233 | 3292140  | 15.72%  | 1.221% |
| 70 | 13.151 | 1878 | 1881 | 1883 | rBV2 | 1131739 | 1569948  | 7.49%   | 0.582% |
| 71 | 13.180 | 1883 | 1886 | 1889 | rVB  | 2769989 | 2855745  | 13.63%  | 1.059% |
| 72 | 13.245 | 1891 | 1897 | 1900 | rBV  | 2370861 | 2926344  | 13.97%  | 1.085% |
| 73 | 13.286 | 1900 | 1904 | 1907 | rBV2 | 2357754 | 2816317  | 13.44%  | 1.044% |
| 74 | 13.380 | 1915 | 1920 | 1922 | rBV  | 1909823 | 1969920  | 9.40%   | 0.730% |
| 75 | 13.410 | 1922 | 1925 | 1927 | rVB  | 1933461 | 1605336  | 7.66%   | 0.595% |
| 76 | 13.657 | 1963 | 1967 | 1970 | rBV2 | 631564  | 1004351  | 4.79%   | 0.372% |

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 Operator : CG\JU  
 Sample : 03600-01 2X  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SU-3-071223

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-BF062623.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|     |        |      |      |      |      |         |         |        |        |
|-----|--------|------|------|------|------|---------|---------|--------|--------|
| 77  | 13.692 | 1970 | 1973 | 1976 | rVB2 | 811353  | 901145  | 4.30%  | 0.334% |
| 78  | 13.798 | 1986 | 1991 | 1993 | rBV2 | 1179416 | 1805075 | 8.62%  | 0.669% |
| 79  | 13.821 | 1993 | 1995 | 1998 | rVV  | 1147682 | 1063720 | 5.08%  | 0.394% |
| 80  | 13.851 | 1998 | 2000 | 2006 | rVV3 | 845769  | 1141068 | 5.45%  | 0.423% |
| 81  | 14.051 | 2027 | 2034 | 2037 | rBV  | 4020098 | 6786287 | 32.40% | 2.516% |
| 82  | 14.092 | 2037 | 2041 | 2044 | rVV  | 4326835 | 5457072 | 26.05% | 2.023% |
| 83  | 14.162 | 2051 | 2053 | 2056 | rVV  | 1343157 | 1168860 | 5.58%  | 0.433% |
| 84  | 14.204 | 2057 | 2060 | 2065 | rVV4 | 632882  | 1121014 | 5.35%  | 0.416% |
| 85  | 14.280 | 2069 | 2073 | 2075 | rVV4 | 502432  | 687710  | 3.28%  | 0.255% |
| 86  | 14.398 | 2091 | 2093 | 2096 | rVV  | 600848  | 680189  | 3.25%  | 0.252% |
| 87  | 14.445 | 2096 | 2101 | 2104 | rVV  | 1904206 | 2521618 | 12.04% | 0.935% |
| 88  | 14.474 | 2104 | 2106 | 2109 | rVV  | 1179527 | 1095036 | 5.23%  | 0.406% |
| 89  | 14.515 | 2109 | 2113 | 2115 | rVV3 | 568378  | 942579  | 4.50%  | 0.349% |
| 90  | 14.539 | 2115 | 2117 | 2119 | rVV  | 810079  | 801219  | 3.82%  | 0.297% |
| 91  | 14.568 | 2119 | 2122 | 2124 | rVV  | 1111673 | 1236107 | 5.90%  | 0.458% |
| 92  | 14.592 | 2124 | 2126 | 2129 | rVV2 | 909433  | 826034  | 3.94%  | 0.306% |
| 93  | 14.633 | 2129 | 2133 | 2136 | rVV3 | 583880  | 810940  | 3.87%  | 0.301% |
| 94  | 15.133 | 2210 | 2218 | 2220 | rBV  | 2204386 | 4127149 | 19.70% | 1.530% |
| 95  | 15.233 | 2231 | 2235 | 2238 | rVB  | 622426  | 678383  | 3.24%  | 0.252% |
| 96  | 15.445 | 2264 | 2271 | 2276 | rVB  | 1488858 | 2183195 | 10.42% | 0.810% |
| 97  | 15.521 | 2276 | 2284 | 2287 | rBV  | 2144856 | 3599263 | 17.18% | 1.335% |
| 98  | 15.604 | 2294 | 2298 | 2304 | rVB2 | 722834  | 1107639 | 5.29%  | 0.411% |
| 99  | 17.139 | 2550 | 2559 | 2565 | rBV  | 703503  | 1609203 | 7.68%  | 0.597% |
| 100 | 17.615 | 2633 | 2640 | 2652 | rVB  | 534254  | 1360223 | 6.49%  | 0.504% |

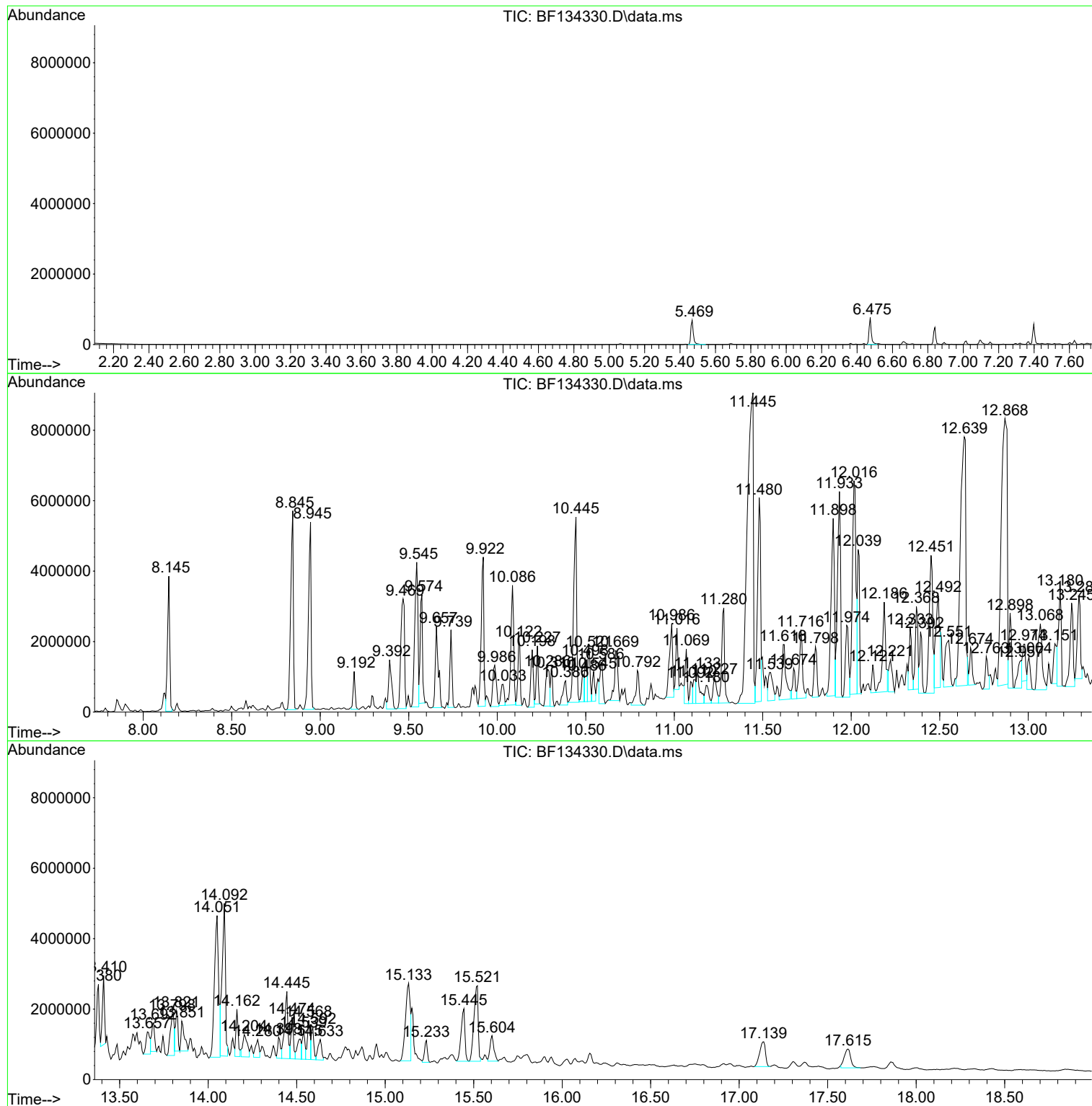
Sum of corrected areas: 269693683

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Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SU-3-071223

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.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\BF071723\  
Data File : BF134330.D  
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Sample : 03600-01 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
SU-3-071223

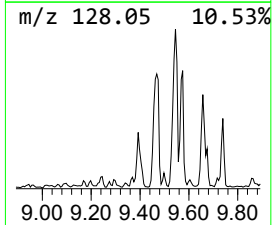
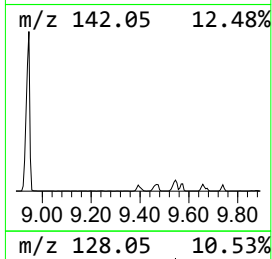
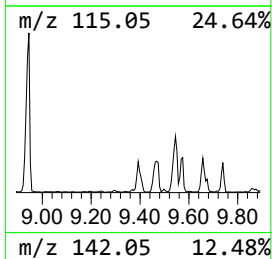
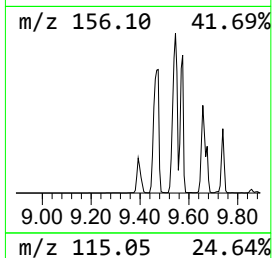
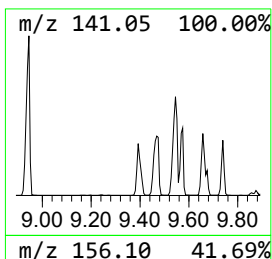
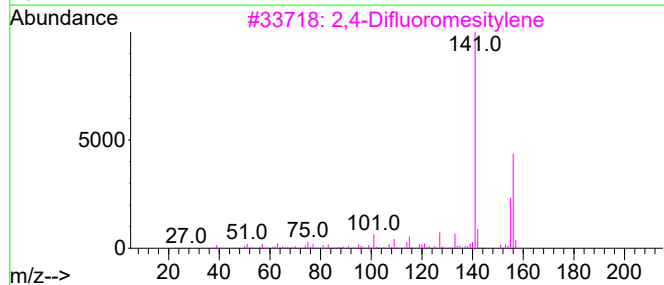
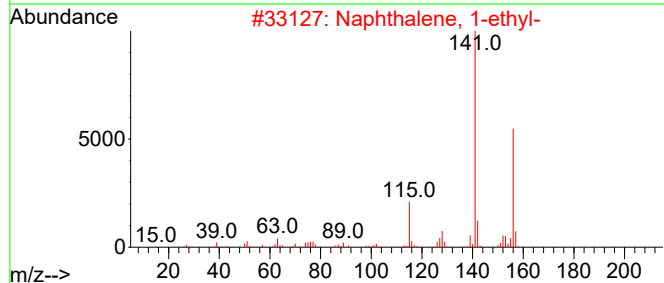
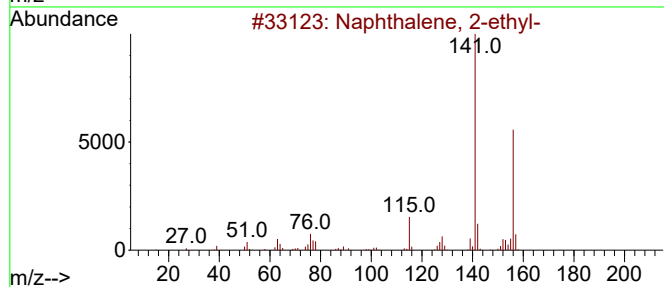
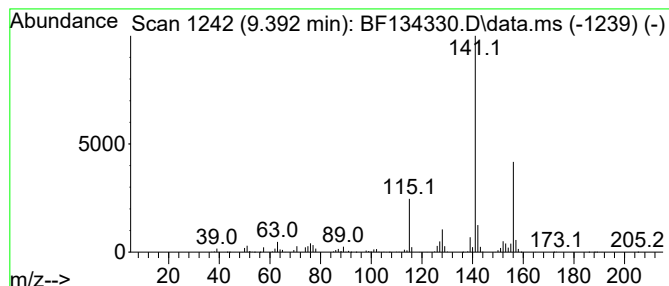
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Naphthalene, 2-ethyl- Concentration Rank 12

| R.T.  | EstConc | Area    | Relative to ISTD | R.T.  |
|-------|---------|---------|------------------|-------|
| 9.392 | 7.64 ng | 1663820 | Acenaphthene-d10 | 9.880 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2-ethyl-        | 156 | C12H12  | 000939-27-5 | 96   |
| 2    |    |   | Naphthalene, 1-ethyl-        | 156 | C12H12  | 001127-76-0 | 95   |
| 3    |    |   | 2,4-Difluoromesitylene       | 156 | C9H10F2 | 000392-61-0 | 59   |
| 4    |    |   | Methyl phenylphosphinic acid | 156 | C7H9O2P | 004271-13-0 | 53   |
| 5    |    |   | 1,4-Dimethylazulene          | 156 | C12H12  | 001127-69-1 | 52   |



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Instrument :  
BNA\_F  
ClientSampleId :  
SU-3-071223

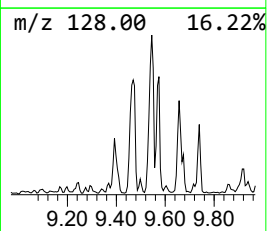
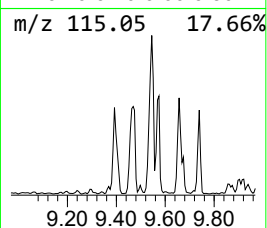
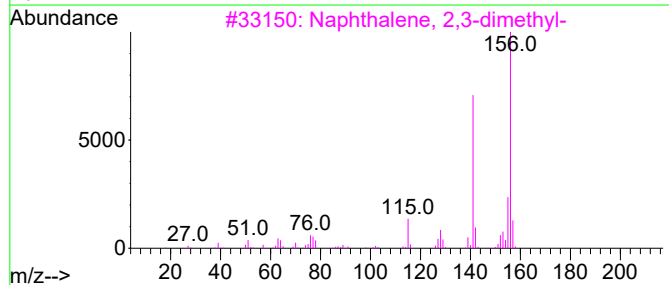
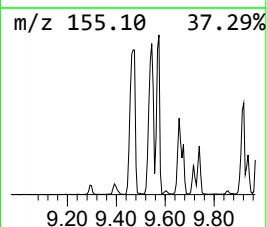
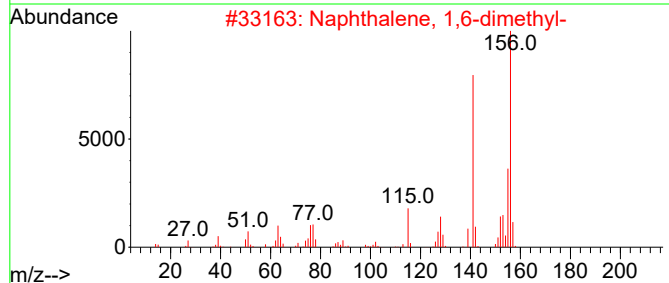
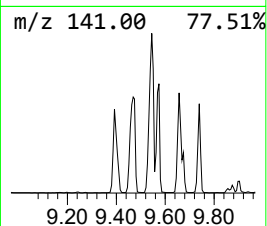
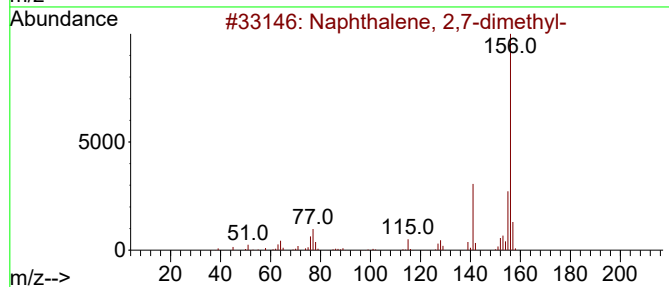
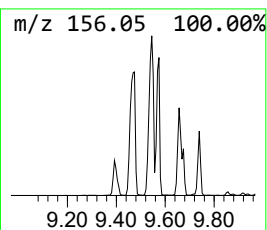
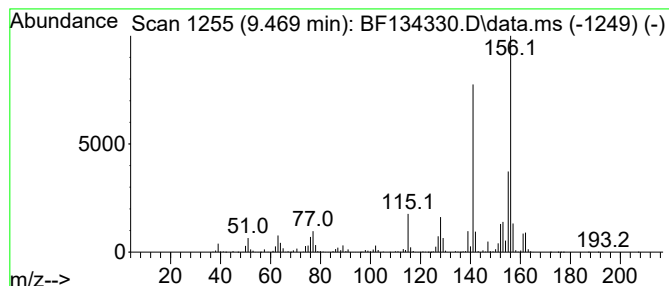
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 Naphthalene, 2,7-dimethyl- Concentration Rank 3

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 9.469 | 20.87 ng | 4544210 | Acenaphthene-d10 | 9.880 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 96   |
| 2    |    |   | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 96   |
| 3    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 96   |
| 4    |    |   | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 96   |
| 5    |    |   | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 95   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071723\  
Data File : BF134330.D  
Acq On : 17 Jul 2023 23:11  
Operator : CG\JU  
Sample : 03600-01 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SU-3-071223

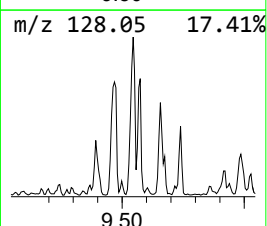
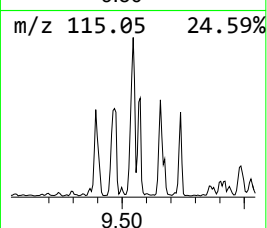
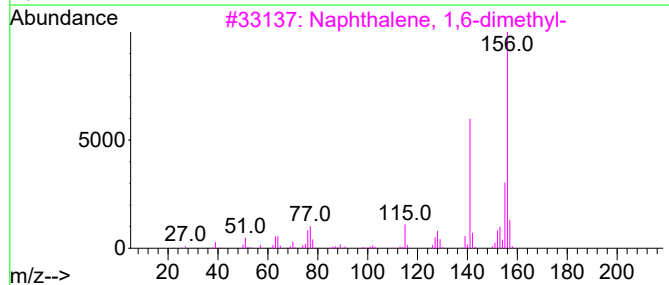
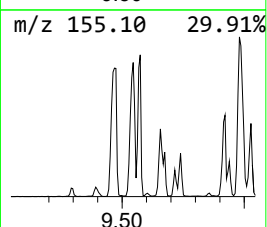
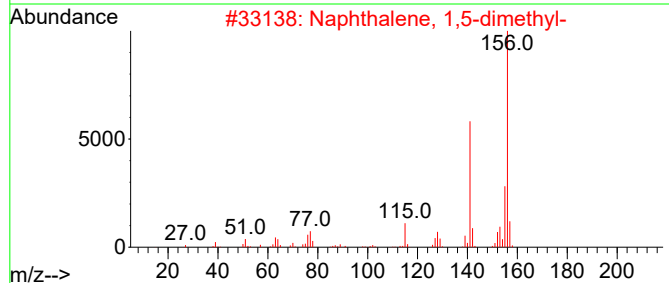
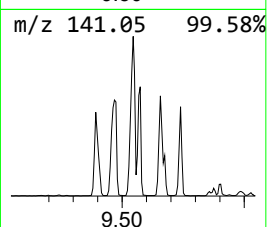
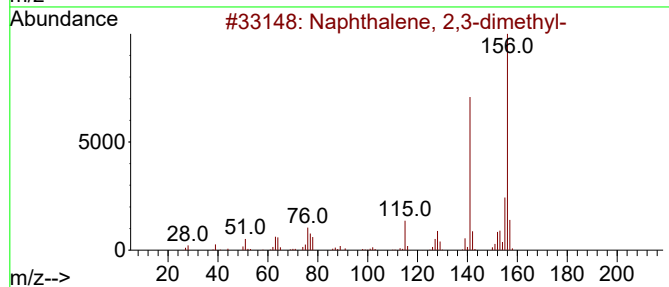
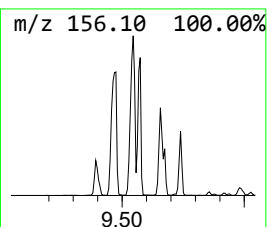
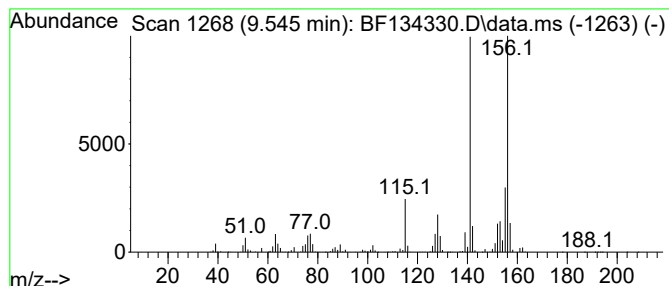
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 9.545 | 22.96 ng | 4999580 | Acenaphthene-d10 | 9.880 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 97   |
| 2    |    |   | Naphthalene, 1,5-dimethyl- | 156 | C12H12  | 000571-61-9 | 97   |
| 3    |    |   | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 96   |
| 4    |    |   | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 96   |
| 5    |    |   | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 96   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071723\  
Data File : BF134330.D  
Acq On : 17 Jul 2023 23:11  
Operator : CG\JU  
Sample : 03600-01 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SU-3-071223

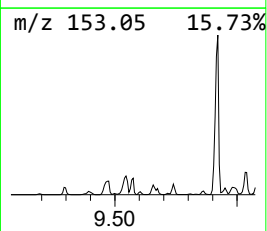
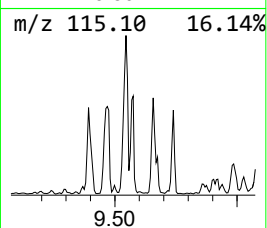
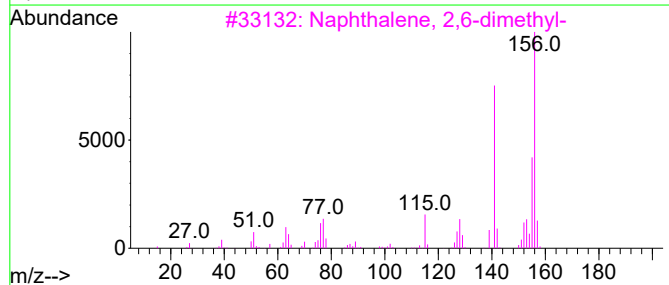
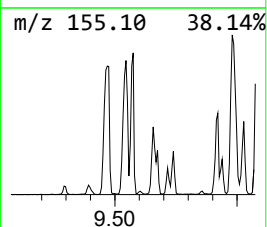
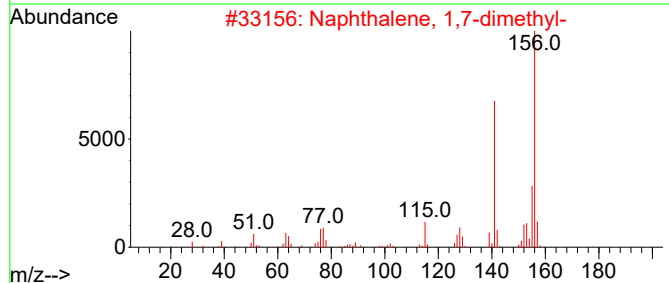
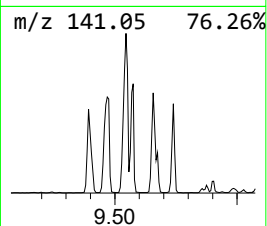
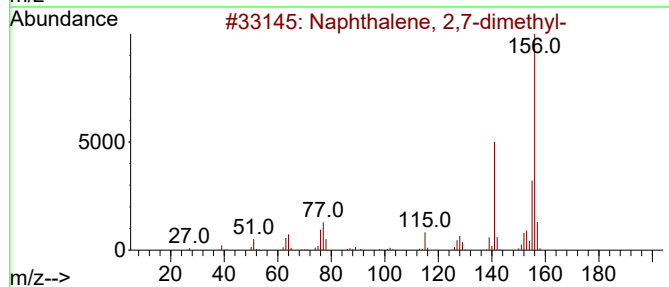
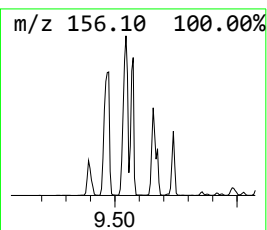
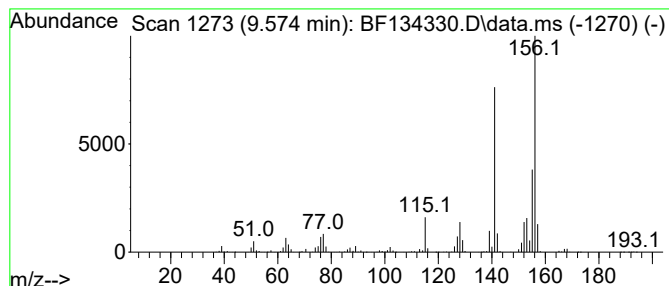
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 4 Naphthalene, 1,7-dimethyl- Concentration Rank 4

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 9.574 | 12.87 ng | 2802740 | Acenaphthene-d10 | 9.880 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 97   |
| 2    |    |   | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 97   |
| 3    |    |   | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 97   |
| 4    |    |   | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 96   |
| 5    |    |   | Naphthalene, 1,5-dimethyl- | 156 | C12H12  | 000571-61-9 | 95   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071723\  
Data File : BF134330.D  
Acq On : 17 Jul 2023 23:11  
Operator : CG\JU  
Sample : 03600-01 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SU-3-071223

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

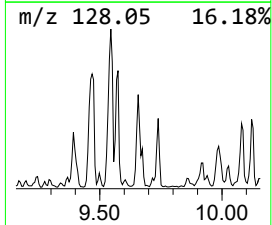
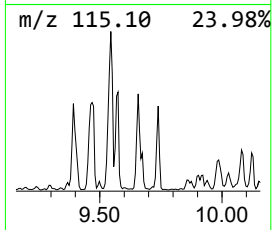
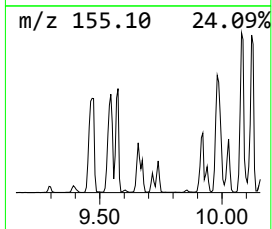
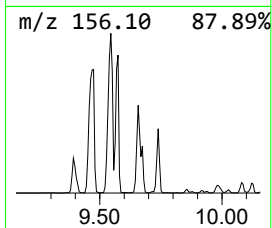
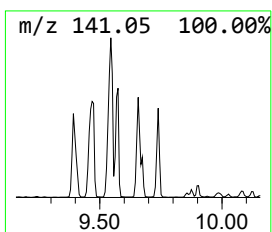
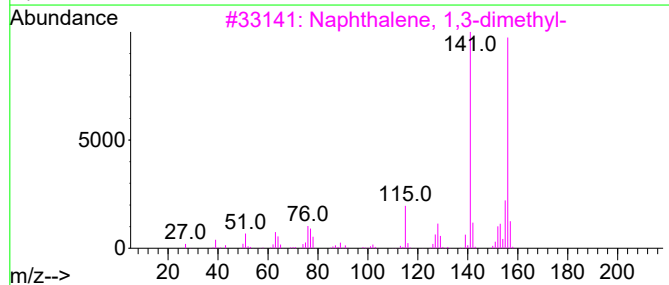
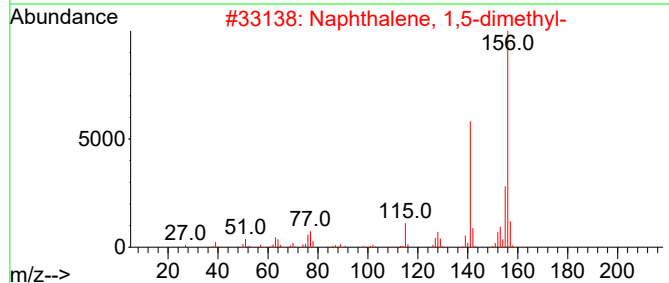
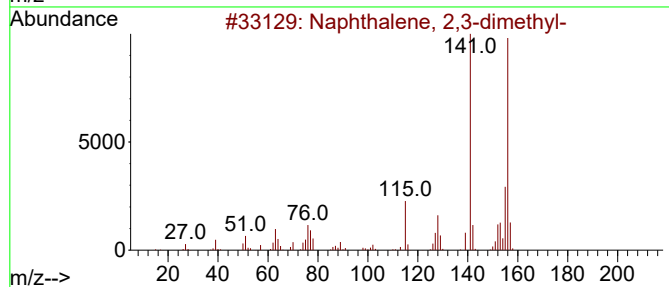
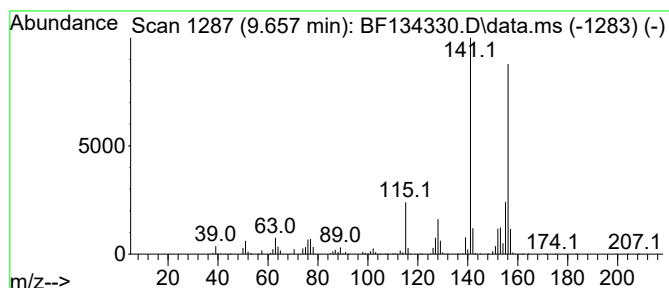
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Peak Number 5 Naphthalene, 1,5-dimethyl- Concentration Rank 5

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 9.657 | 12.53 ng | 2728930 | Acenaphthene-d10 | 9.880 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 97   |
| 2    |    |   | Naphthalene, 1,5-dimethyl- | 156 | C12H12  | 000571-61-9 | 97   |
| 3    |    |   | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 97   |
| 4    |    |   | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 96   |
| 5    |    |   | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 96   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071723\  
Data File : BF134330.D  
Acq On : 17 Jul 2023 23:11  
Operator : CG\JU  
Sample : 03600-01 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SU-3-071223

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

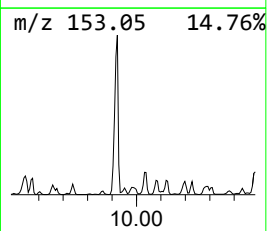
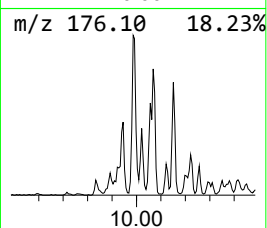
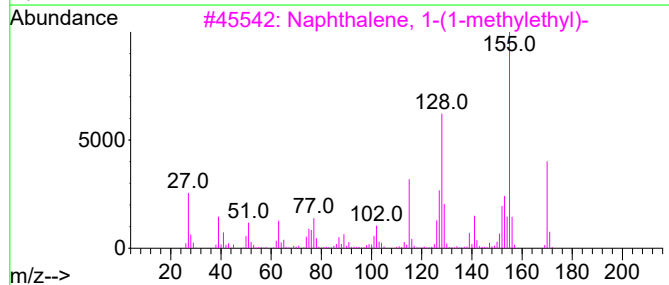
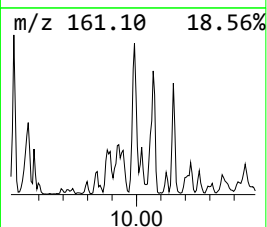
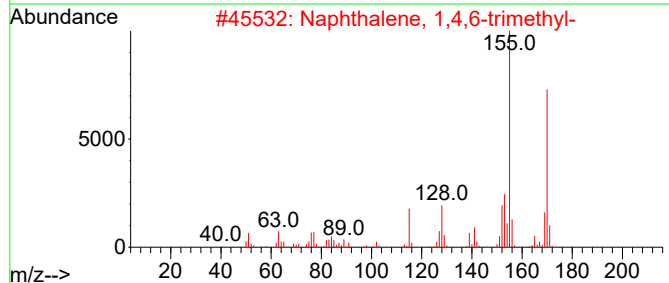
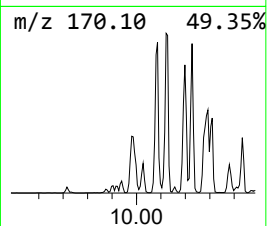
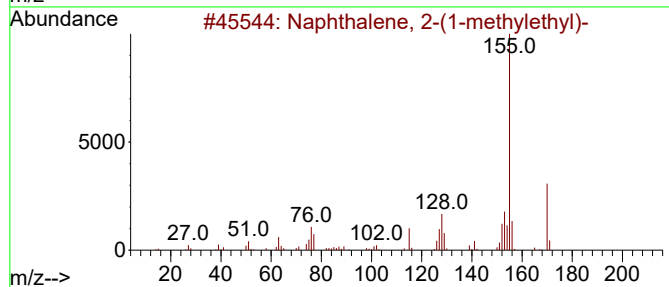
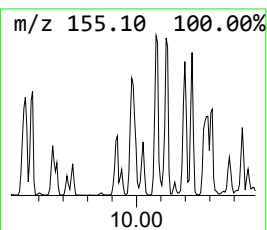
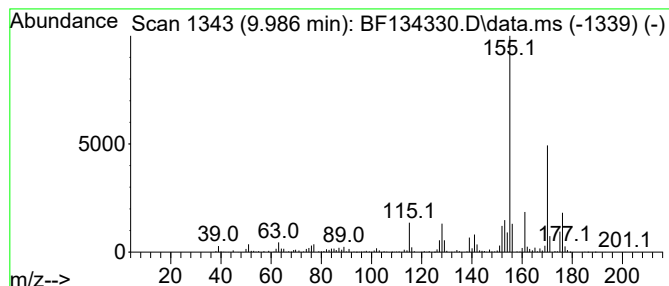
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Naphthalene, 2-(1-methyleth... Concentration Rank 13

| R.T.  | EstConc | Area    | Relative to ISTD | R.T.  |
|-------|---------|---------|------------------|-------|
| 9.986 | 7.57 ng | 1648740 | Acenaphthene-d10 | 9.880 |

| Hit# | of 5 | Tentative ID                    | MW  | MolForm | CAS#         | Qual |
|------|------|---------------------------------|-----|---------|--------------|------|
| 1    |      | Naphthalene, 2-(1-methylethyl)- | 170 | C13H14  | 002027-17-0  | 91   |
| 2    |      | Naphthalene, 1,4,6-trimethyl-   | 170 | C13H14  | 002131-42-2  | 91   |
| 3    |      | Naphthalene, 1-(1-methylethyl)- | 170 | C13H14  | 006158-45-8  | 64   |
| 4    |      | 3-(2-Methyl-propenyl)-1H-indene | 170 | C13H14  | 1000187-78-5 | 60   |
| 5    |      | 2-Naphthyl methyl ketone        | 170 | C12H10O | 000093-08-3  | 58   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071723\  
Data File : BF134330.D  
Acq On : 17 Jul 2023 23:11  
Operator : CG\JU  
Sample : 03600-01 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SU-3-071223

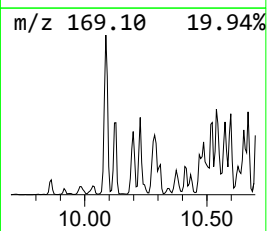
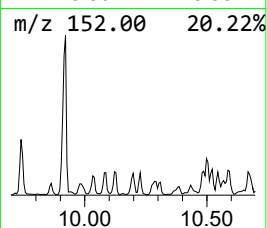
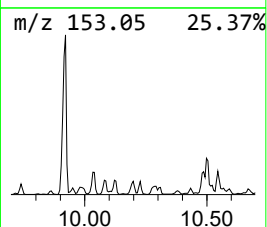
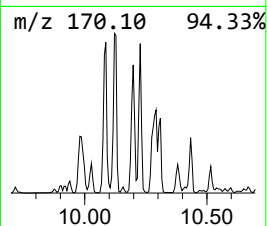
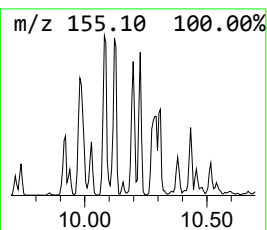
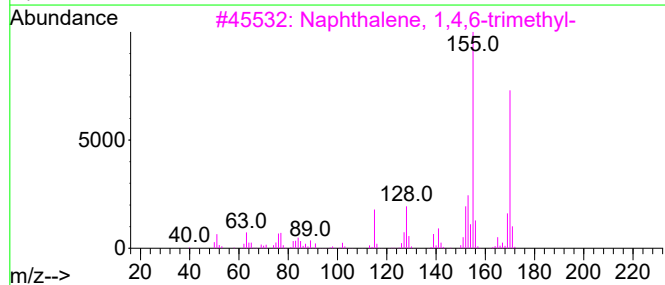
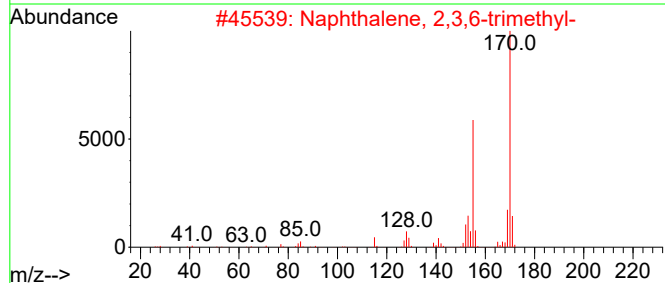
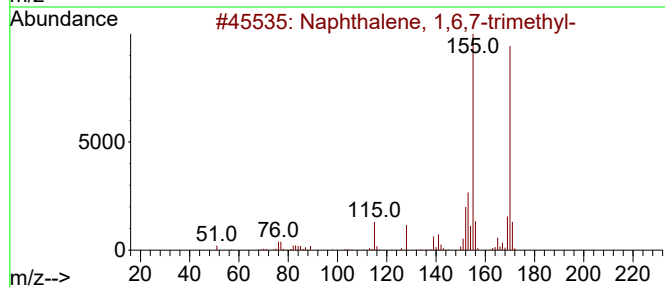
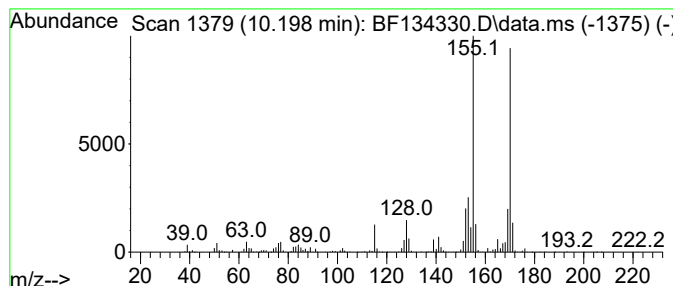
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 7 Naphthalene, 1,6,7-trimethyl- Concentration Rank 15

| R.T.      | EstConc                             | Area    | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|---------|------------------|--------------|------|
| 10.198    | 7.39 ng                             | 1609510 | Acenaphthene-d10 | 9.880        |      |
| Hit# of 5 | Tentative ID                        | MW      | MolForm          | CAS#         | Qual |
| 1         | Naphthalene, 1,6,7-trimethyl-       | 170     | C13H14           | 002245-38-7  | 98   |
| 2         | Naphthalene, 2,3,6-trimethyl-       | 170     | C13H14           | 000829-26-5  | 97   |
| 3         | Naphthalene, 1,4,6-trimethyl-       | 170     | C13H14           | 002131-42-2  | 96   |
| 4         | 4,6,8-Trimethylazulene              | 170     | C13H14           | 000941-81-1  | 91   |
| 5         | 1-(2,2-Dimethylcyclopropyl)-2-ph... | 170     | C13H14           | 1000294-91-1 | 83   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071723\  
Data File : BF134330.D  
Acq On : 17 Jul 2023 23:11  
Operator : CG\JU  
Sample : 03600-01 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SU-3-071223

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

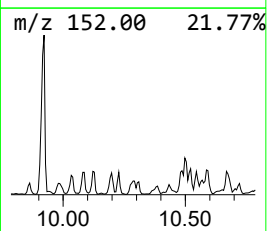
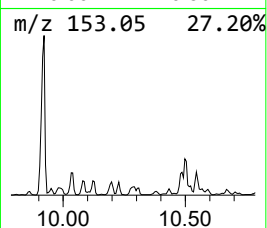
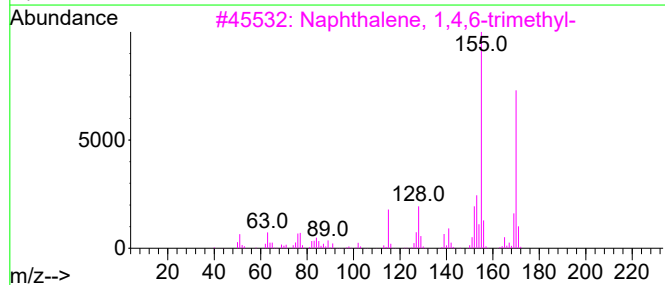
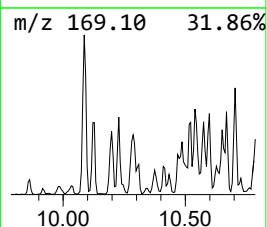
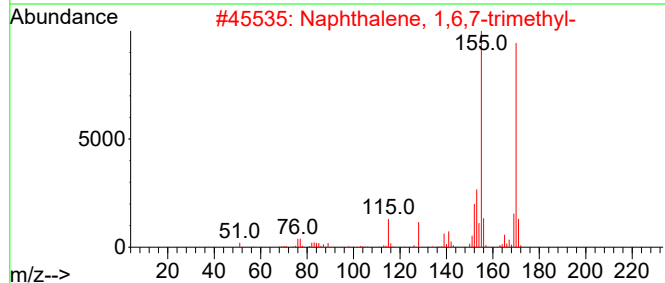
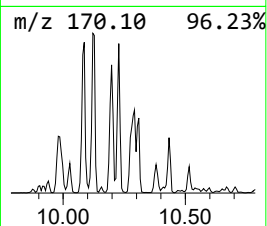
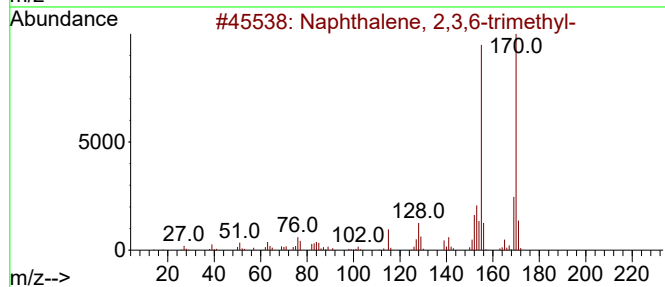
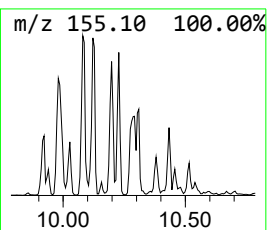
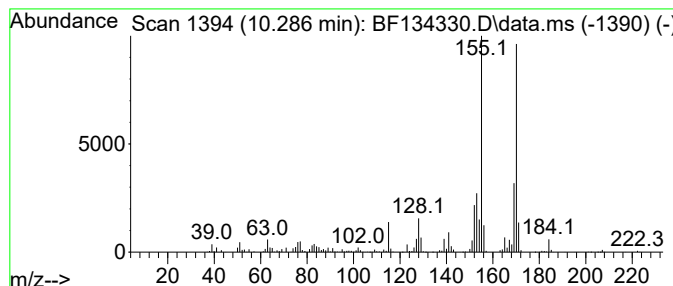
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TIC Integration Parameters: LSCINT.P

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Peak Number 8 Naphthalene, 2,3,6-trimethyl- Concentration Rank 16

| R.T.   | EstConc | Area    | Relative to ISTD | R.T.  |
|--------|---------|---------|------------------|-------|
| 10.286 | 7.15 ng | 1557300 | Acenaphthene-d10 | 9.880 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14  | 000829-26-5 | 98   |
| 2    |    |   | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14  | 002245-38-7 | 98   |
| 3    |    |   | Naphthalene, 1,4,6-trimethyl- | 170 | C13H14  | 002131-42-2 | 96   |
| 4    |    |   | Naphthalene, 1,4,5-trimethyl- | 170 | C13H14  | 002131-41-1 | 96   |
| 5    |    |   | 4,6,8-Trimethylazulene        | 170 | C13H14  | 000941-81-1 | 93   |



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Data File : BF134330.D  
Acq On : 17 Jul 2023 23:11  
Operator : CG\JU  
Sample : 03600-01 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SU-3-071223

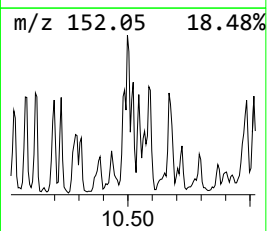
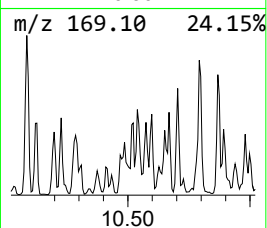
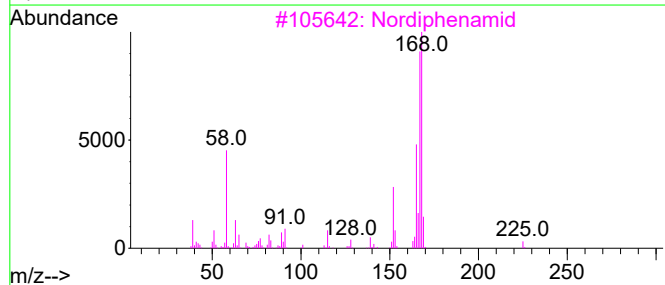
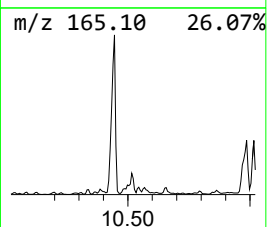
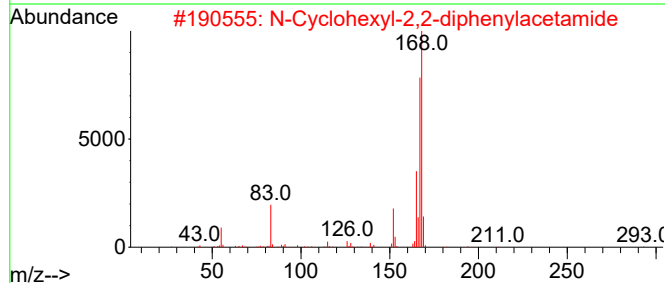
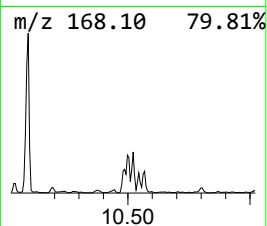
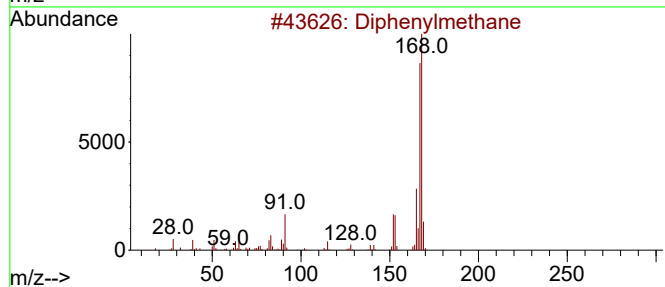
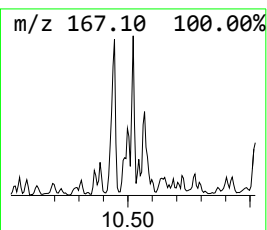
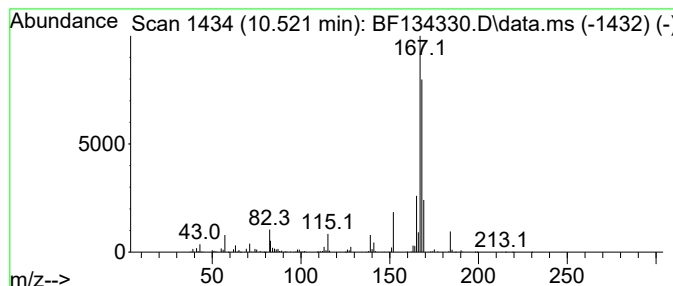
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 9 Diphenylmethane Concentration Rank 20

| R.T.   | EstConc | Area    | Relative to ISTD | R.T.  |
|--------|---------|---------|------------------|-------|
| 10.522 | 5.82 ng | 1266690 | Acenaphthene-d10 | 9.880 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm  | CAS#        | Qual |
|------|----|---|------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Diphenylmethane                    | 168 | C13H12   | 000101-81-5 | 64   |
| 2    |    |   | N-Cyclohexyl-2,2-diphenylacetamide | 293 | C20H23NO | 024932-56-7 | 50   |
| 3    |    |   | Nordiphenamid                      | 225 | C15H15NO | 000954-21-2 | 50   |
| 4    |    |   | 1,1'-Biphenyl, 2-methyl-           | 168 | C13H12   | 000643-58-3 | 49   |
| 5    |    |   | 1,1'-Biphenyl, 4-methyl-           | 168 | C13H12   | 000644-08-6 | 47   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071723\  
Data File : BF134330.D  
Acq On : 17 Jul 2023 23:11  
Operator : CG\JU  
Sample : 03600-01 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SU-3-071223

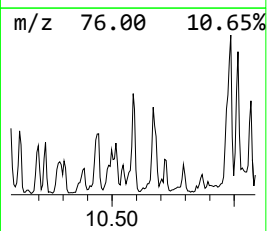
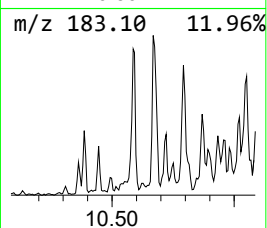
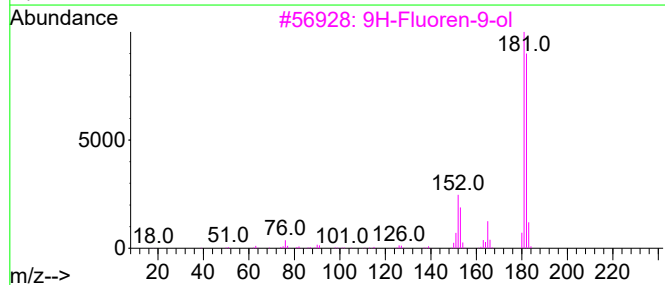
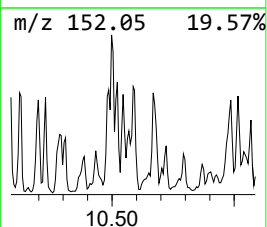
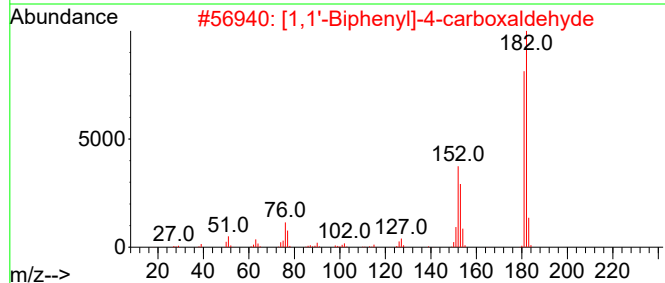
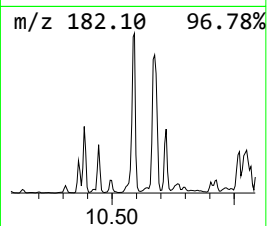
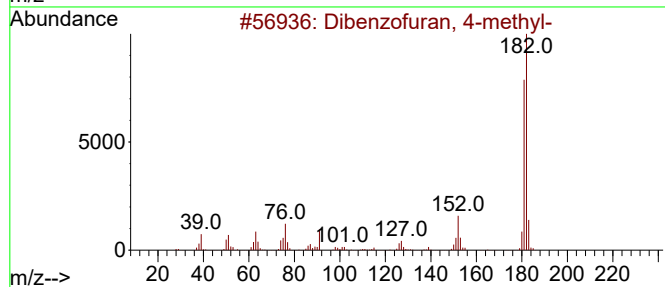
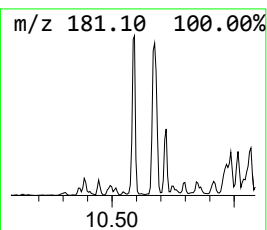
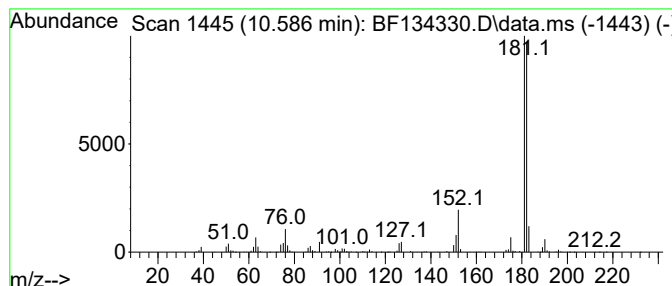
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 10 Dibenzofuran, 4-methyl- Concentration Rank 19

| R.T.   | EstConc | Area    | Relative to ISTD | R.T.  |
|--------|---------|---------|------------------|-------|
| 10.586 | 6.07 ng | 1321180 | Acenaphthene-d10 | 9.880 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Dibenzofuran, 4-methyl-             | 182 | C13H10O  | 007320-53-8  | 90   |
| 2    |    |   | [1,1'-Biphenyl]-4-carboxaldehyde    | 182 | C13H10O  | 003218-36-8  | 87   |
| 3    |    |   | 9H-Fluoren-9-ol                     | 182 | C13H10O  | 001689-64-1  | 80   |
| 4    |    |   | 2,4,6-Cycloheptatrien-1-one, 2-p... | 182 | C13H10O  | 014562-09-5  | 72   |
| 5    |    |   | 1-(Difluoromethyl)-6-methylpyrro... | 182 | C9H8F2N2 | 1000411-14-9 | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071723\  
Data File : BF134330.D  
Acq On : 17 Jul 2023 23:11  
Operator : CG\JU  
Sample : 03600-01 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SU-3-071223

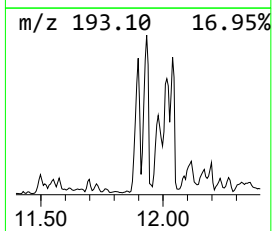
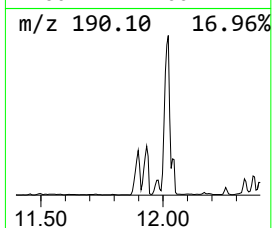
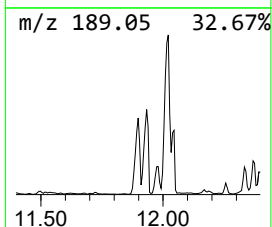
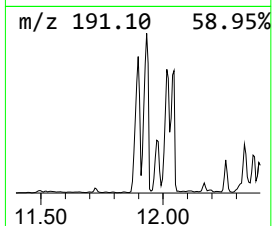
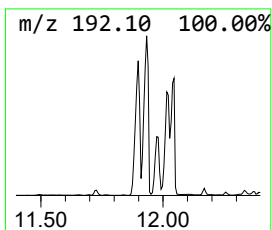
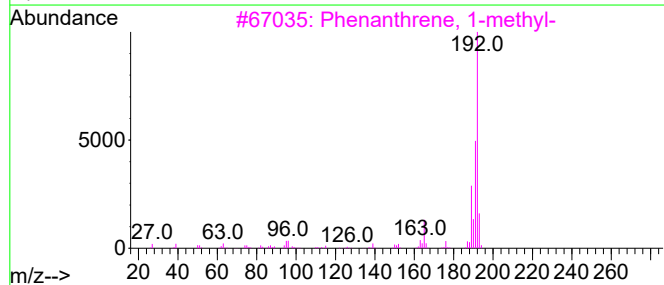
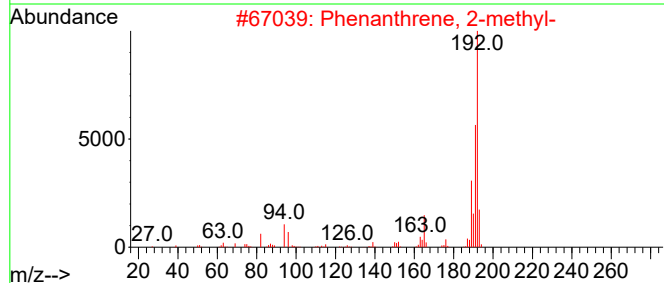
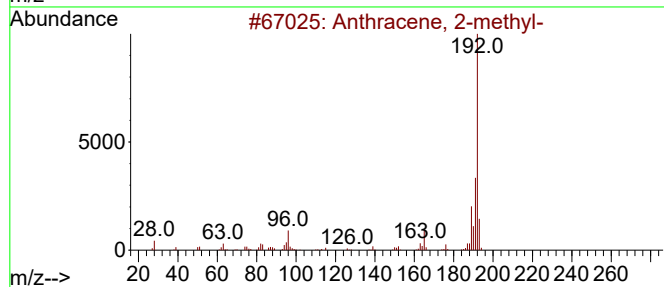
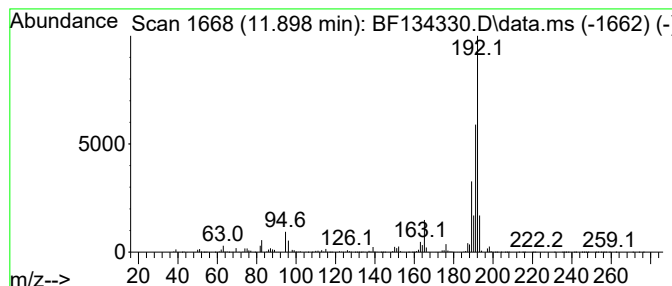
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 11 Anthracene, 2-methyl- Concentration Rank 18

| R.T.   | EstConc | Area    | Relative to ISTD | R.T.   |
|--------|---------|---------|------------------|--------|
| 11.898 | 6.26 ng | 6556020 | Phenanthrene-d10 | 11.380 |

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



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071723\  
Data File : BF134330.D  
Acq On : 17 Jul 2023 23:11  
Operator : CG\JU  
Sample : 03600-01 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SU-3-071223

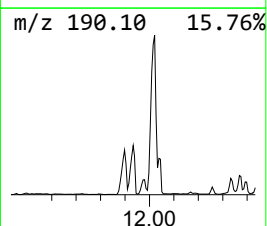
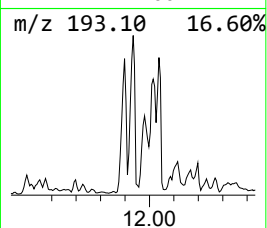
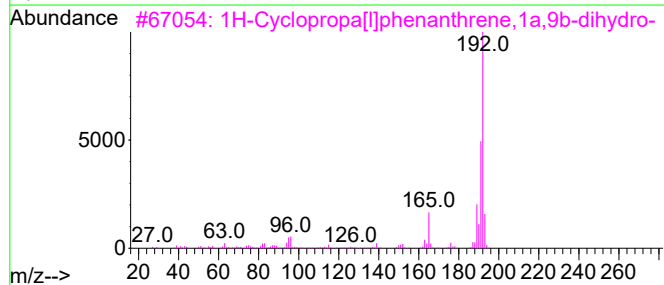
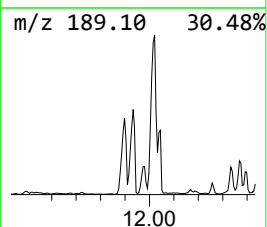
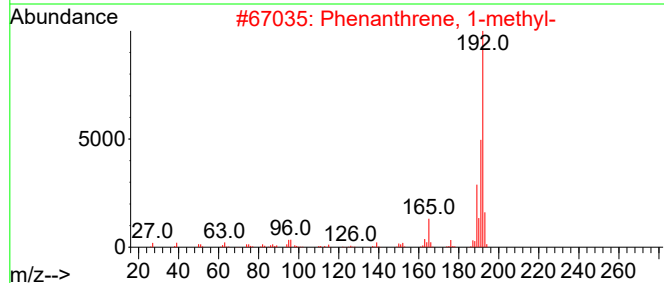
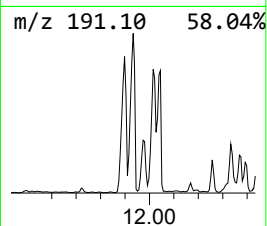
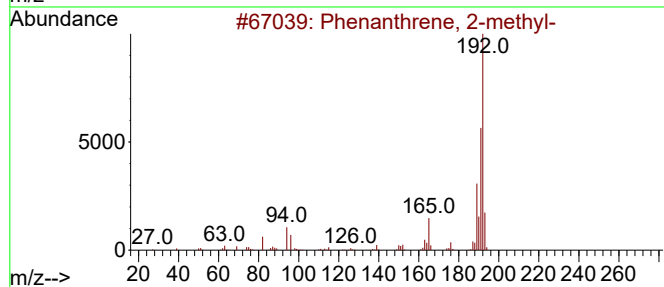
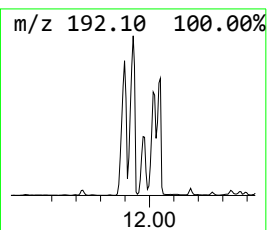
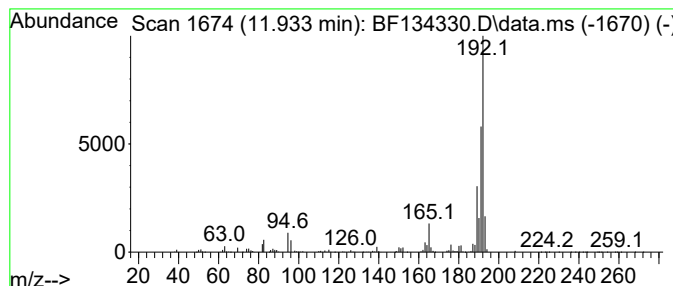
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 12 Phenanthrene, 2-methyl- Concentration Rank 17

| R.T.   | EstConc | Area    | Relative to ISTD | R.T.   |
|--------|---------|---------|------------------|--------|
| 11.933 | 6.63 ng | 6940530 | Phenanthrene-d10 | 11.380 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 2-methyl-             | 192 | C15H12  | 002531-84-2 | 98   |
| 2    |    |   | Phenanthrene, 1-methyl-             | 192 | C15H12  | 000832-69-9 | 97   |
| 3    |    |   | 1H-Cyclopropa[1]phenanthrene,1a,... | 192 | C15H12  | 000949-41-7 | 96   |
| 4    |    |   | Anthracene, 2-methyl-               | 192 | C15H12  | 000613-12-7 | 96   |
| 5    |    |   | Anthracene, 1-methyl-               | 192 | C15H12  | 000610-48-0 | 95   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071723\  
Data File : BF134330.D  
Acq On : 17 Jul 2023 23:11  
Operator : CG\JU  
Sample : 03600-01 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SU-3-071223

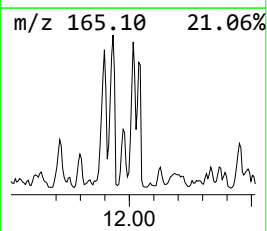
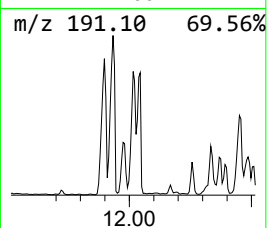
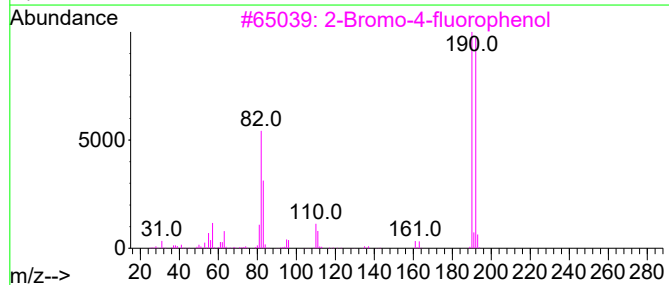
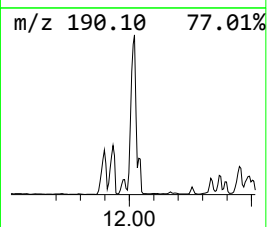
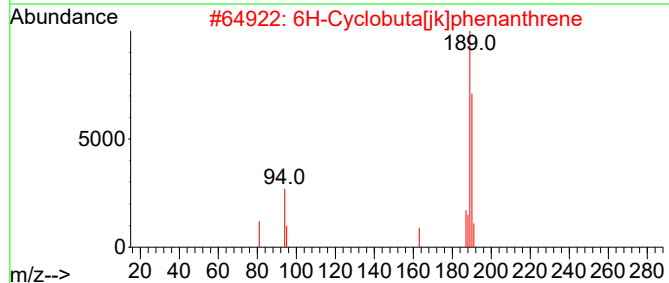
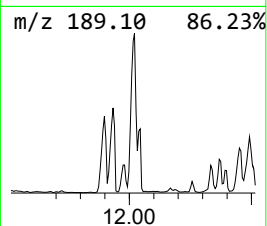
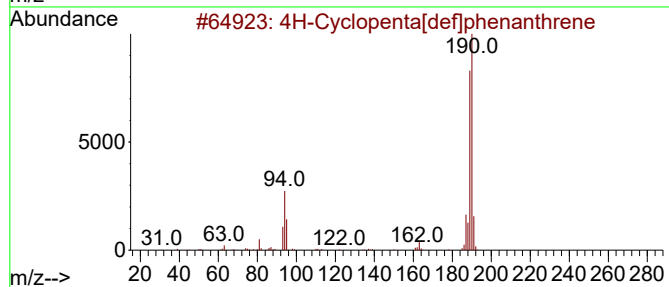
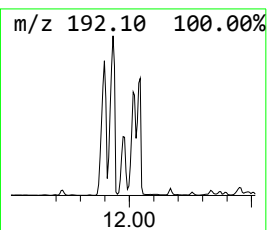
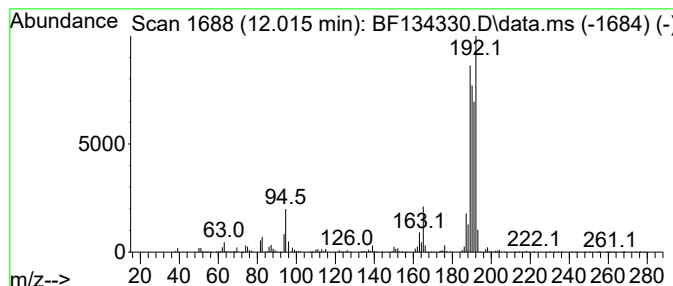
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

| R.T.   | EstConc | Area    | Relative to ISTD | R.T.   |
|--------|---------|---------|------------------|--------|
| 12.015 | 8.54 ng | 8947360 | Phenanthrene-d10 | 11.380 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm  | CAS#        | Qual |
|------|----|---|--------------------------------|-----|----------|-------------|------|
| 1    |    |   | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10   | 000203-64-5 | 60   |
| 2    |    |   | 6H-Cyclobuta[jk]phenanthrene   | 190 | C15H10   | 083469-43-6 | 49   |
| 3    |    |   | 2-Bromo-4-fluorophenol         | 190 | C6H4BrFO | 000496-69-5 | 43   |
| 4    |    |   | Propyne, 1,3-diphenyl-         | 192 | C15H12   | 004980-70-5 | 38   |
| 5    |    |   | Anthracene, 1-methyl-          | 192 | C15H12   | 000610-48-0 | 38   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071723\  
Data File : BF134330.D  
Acq On : 17 Jul 2023 23:11  
Operator : CG\JU  
Sample : 03600-01 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SU-3-071223

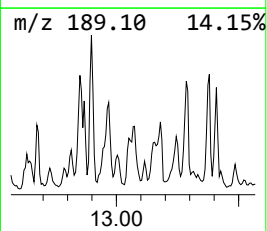
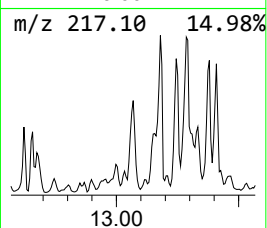
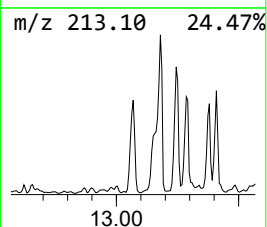
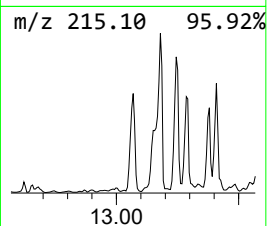
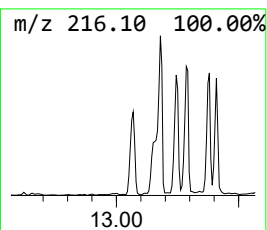
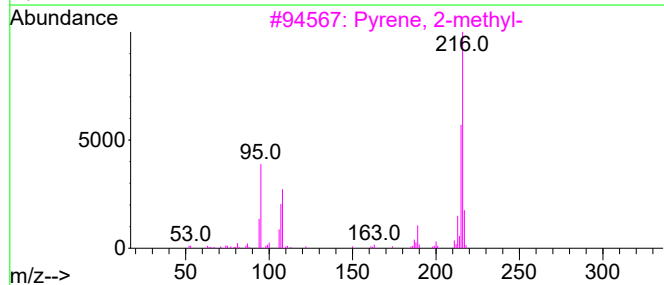
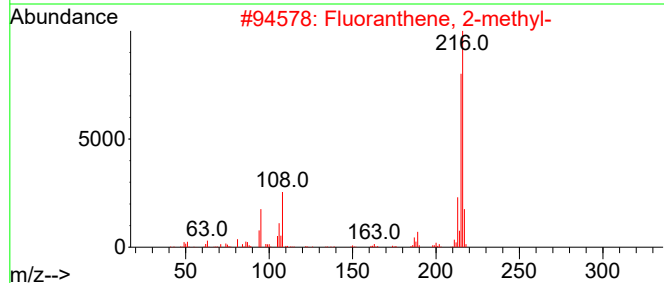
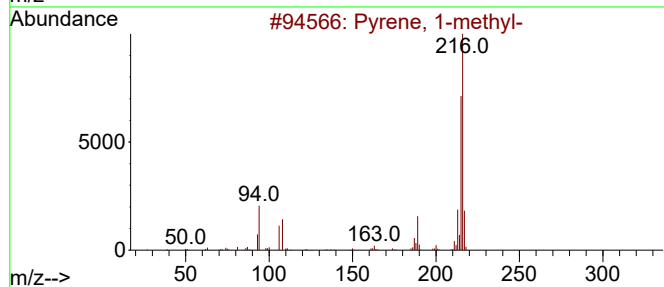
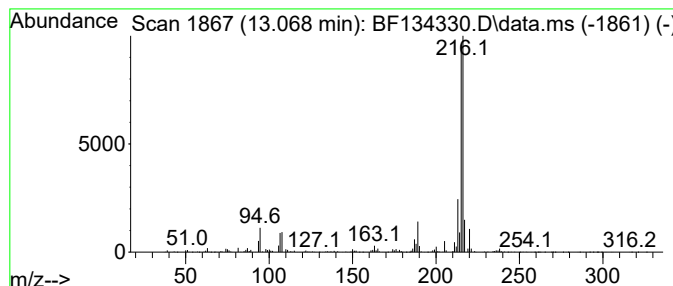
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 14 Pyrene, 1-methyl- Concentration Rank 7

| R.T.   | EstConc | Area    | Relative to ISTD | R.T.   |
|--------|---------|---------|------------------|--------|
| 13.068 | 9.70 ng | 3292140 | Chrysene-d12     | 14.057 |

| Hit# | of 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------|-----|---------|-------------|------|
| 1    |      | Pyrene, 1-methyl-       | 216 | C17H12  | 002381-21-7 | 94   |
| 2    |      | Fluoranthene, 2-methyl- | 216 | C17H12  | 033543-31-6 | 90   |
| 3    |      | Pyrene, 2-methyl-       | 216 | C17H12  | 003442-78-2 | 86   |
| 4    |      | 11H-Benzo[a]fluorene    | 216 | C17H12  | 000238-84-6 | 81   |
| 5    |      | 11H-Benzo[b]fluorene    | 216 | C17H12  | 000243-17-4 | 74   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071723\  
Data File : BF134330.D  
Acq On : 17 Jul 2023 23:11  
Operator : CG\JU  
Sample : 03600-01 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SU-3-071223

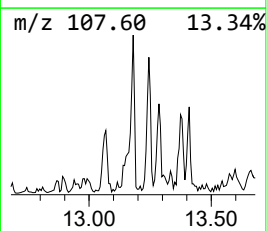
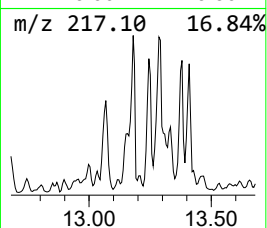
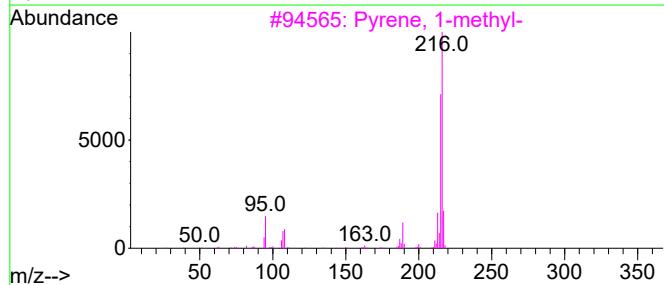
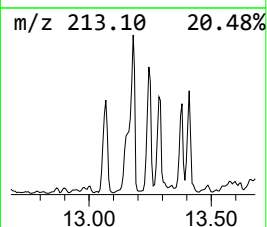
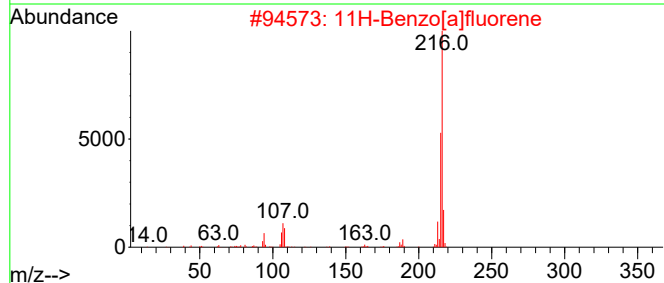
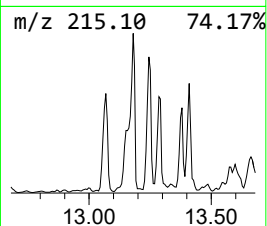
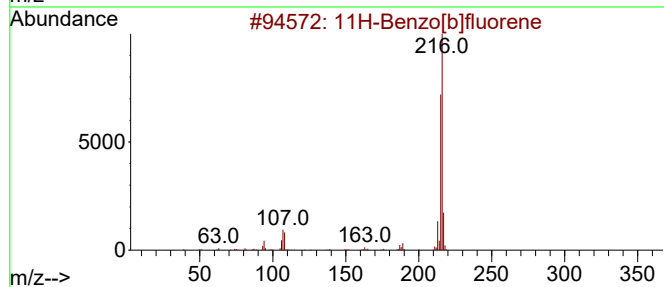
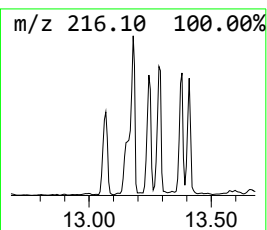
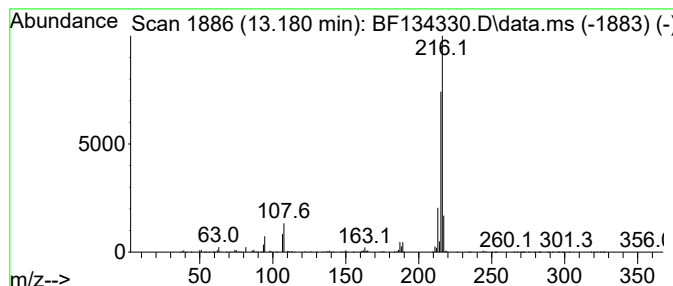
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 10

| R.T.   | EstConc | Area    | Relative to ISTD | R.T.   |
|--------|---------|---------|------------------|--------|
| 13.180 | 8.42 ng | 2855750 | Chrysene-d12     | 14.057 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | 11H-Benzo[b]fluorene    | 216 | C17H12  | 000243-17-4 | 96   |
| 2    |    |   | 11H-Benzo[a]fluorene    | 216 | C17H12  | 000238-84-6 | 94   |
| 3    |    |   | Pyrene, 1-methyl-       | 216 | C17H12  | 002381-21-7 | 91   |
| 4    |    |   | Fluoranthene, 2-methyl- | 216 | C17H12  | 033543-31-6 | 87   |
| 5    |    |   | 7H-Benzo[c]fluorene     | 216 | C17H12  | 000205-12-9 | 87   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071723\  
Data File : BF134330.D  
Acq On : 17 Jul 2023 23:11  
Operator : CG\JU  
Sample : 03600-01 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SU-3-071223

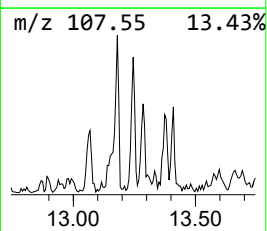
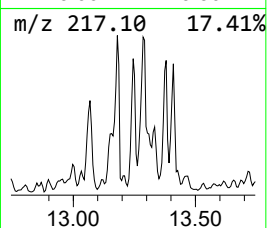
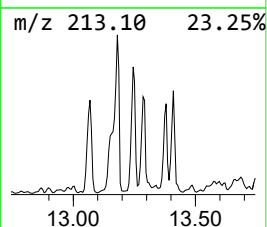
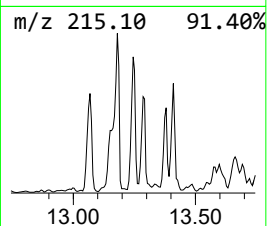
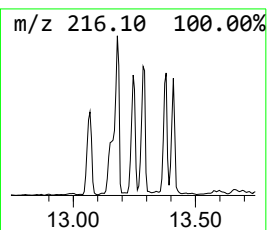
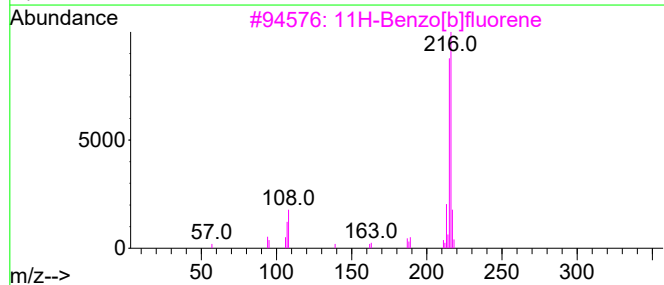
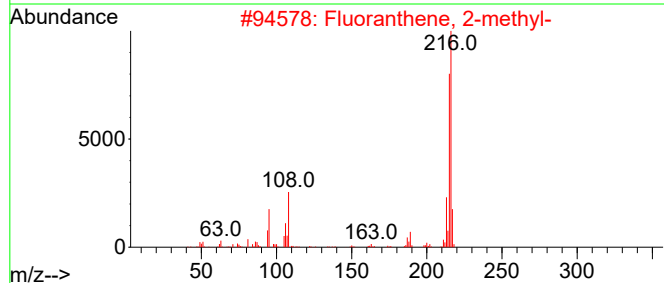
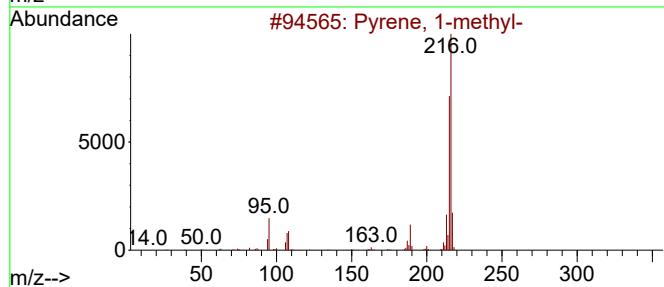
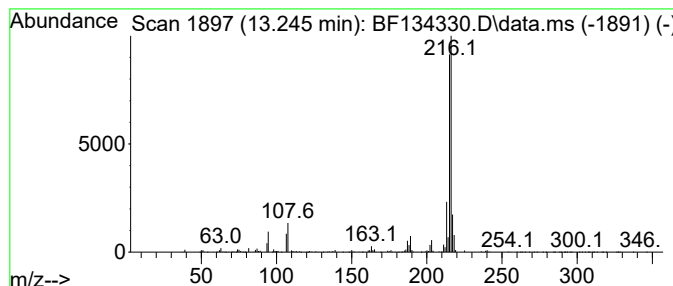
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 8

| R.T.   | EstConc | Area    | Relative to ISTD | R.T.   |
|--------|---------|---------|------------------|--------|
| 13.245 | 8.62 ng | 2926340 | Chrysene-d12     | 14.057 |

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



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071723\  
Data File : BF134330.D  
Acq On : 17 Jul 2023 23:11  
Operator : CG\JU  
Sample : 03600-01 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SU-3-071223

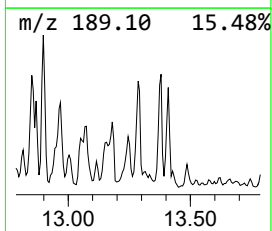
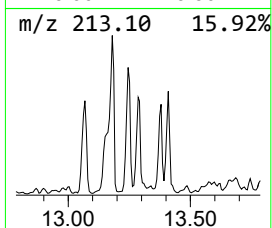
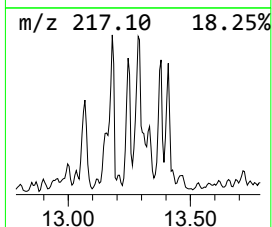
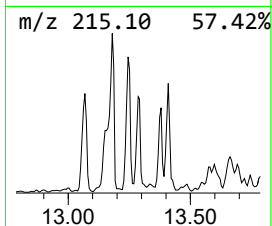
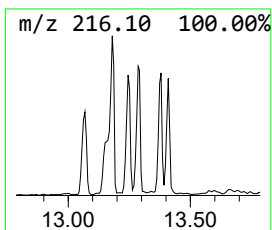
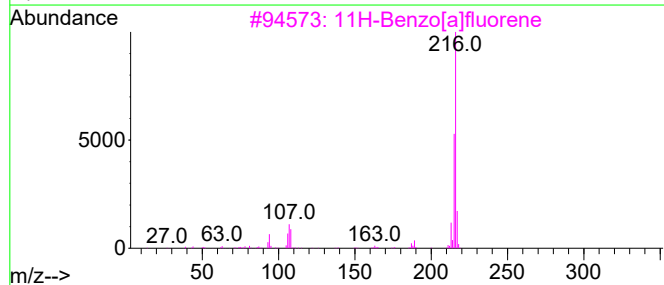
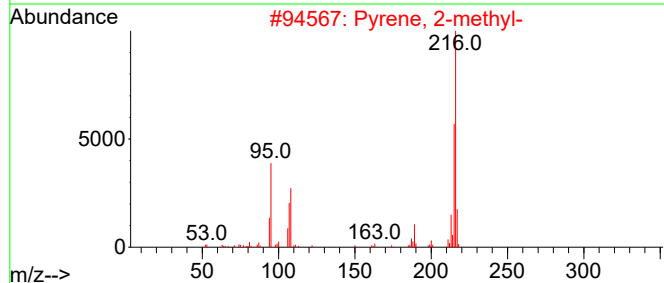
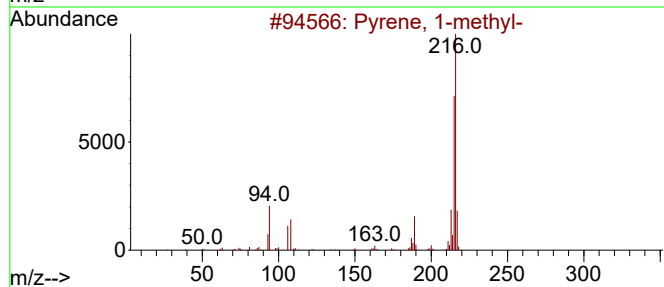
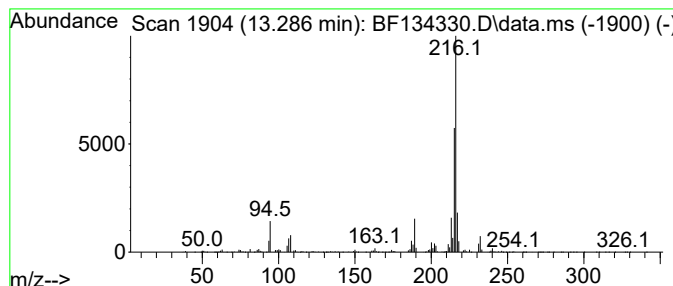
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 17 Pyrene, 2-methyl- Concentration Rank 11

| R.T.   | EstConc | Area    | Relative to ISTD | R.T.   |
|--------|---------|---------|------------------|--------|
| 13.286 | 8.30 ng | 2816320 | Chrysene-d12     | 14.057 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Pyrene, 1-methyl-       | 216 | C17H12  | 002381-21-7 | 95   |
| 2    |    |   | Pyrene, 2-methyl-       | 216 | C17H12  | 003442-78-2 | 95   |
| 3    |    |   | 11H-Benzo[a]fluorene    | 216 | C17H12  | 000238-84-6 | 87   |
| 4    |    |   | 11H-Benzo[b]fluorene    | 216 | C17H12  | 000243-17-4 | 83   |
| 5    |    |   | Fluoranthene, 2-methyl- | 216 | C17H12  | 033543-31-6 | 81   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071723\  
Data File : BF134330.D  
Acq On : 17 Jul 2023 23:11  
Operator : CG\JU  
Sample : 03600-01 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SU-3-071223

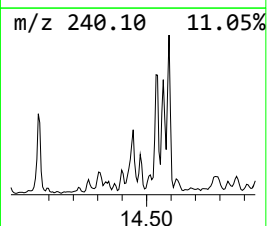
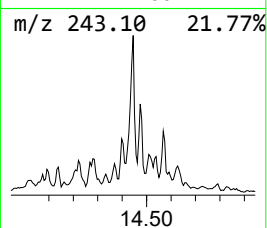
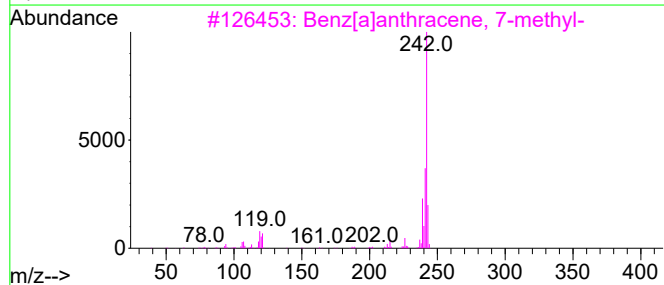
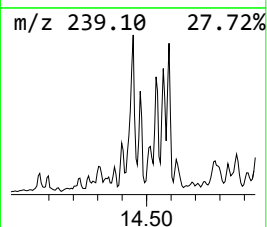
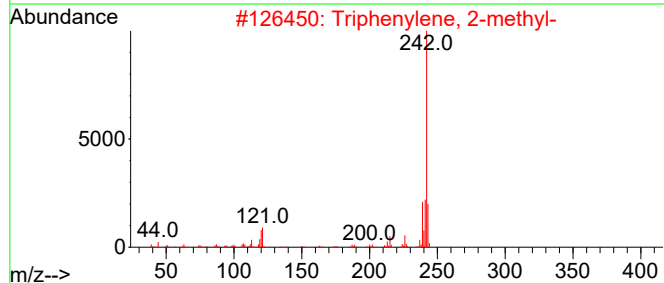
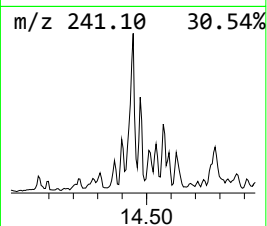
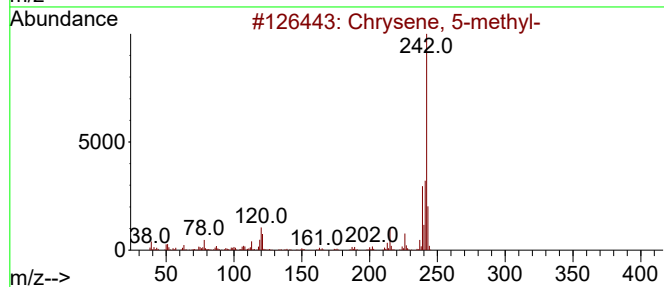
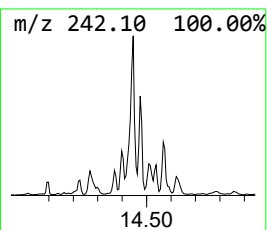
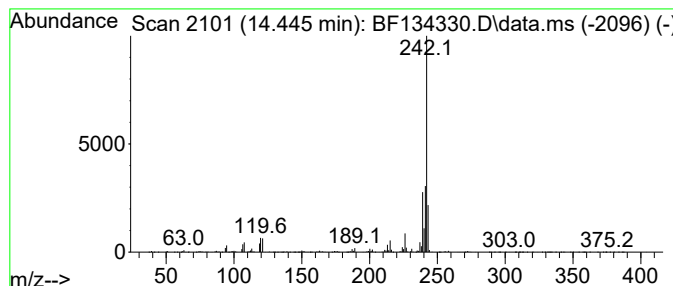
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 18 Chrysene, 5-methyl- Concentration Rank 14

| R.T.   | EstConc | Area    | Relative to ISTD | R.T.   |
|--------|---------|---------|------------------|--------|
| 14.445 | 7.43 ng | 2521620 | Chrysene-d12     | 14.057 |

| Hit# | of 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|------|------------------------------|-----|---------|-------------|------|
| 1    |      | Chrysene, 5-methyl-          | 242 | C19H14  | 003697-24-3 | 94   |
| 2    |      | Triphenylene, 2-methyl-      | 242 | C19H14  | 001705-84-6 | 93   |
| 3    |      | Benz[a]anthracene, 7-methyl- | 242 | C19H14  | 002541-69-7 | 91   |
| 4    |      | 2-Methylchrysene             | 242 | C19H14  | 003351-32-4 | 90   |
| 5    |      | Chrysene, 1-methyl-          | 242 | C19H14  | 003351-28-8 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071723\  
Data File : BF134330.D  
Acq On : 17 Jul 2023 23:11  
Operator : CG\JU  
Sample : 03600-01 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SU-3-071223

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

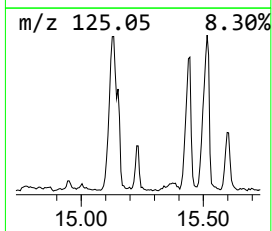
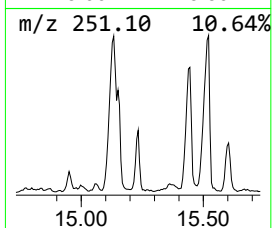
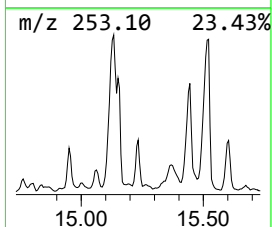
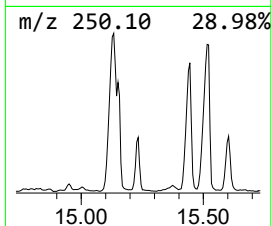
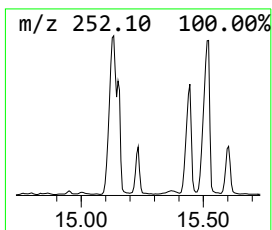
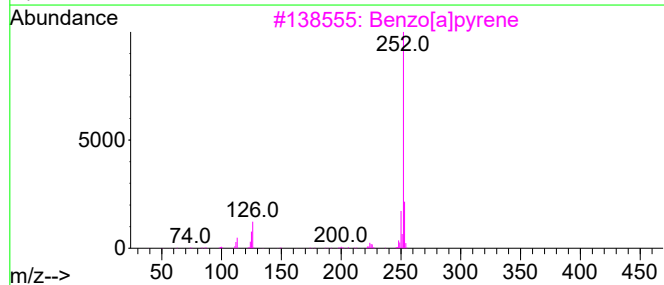
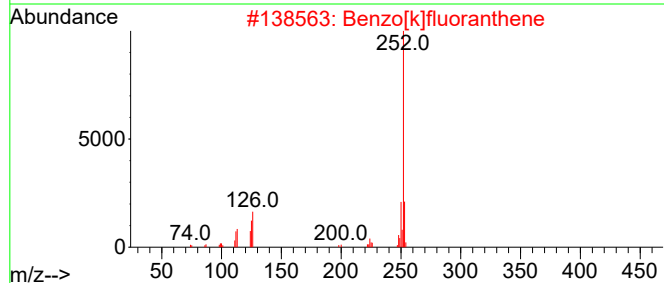
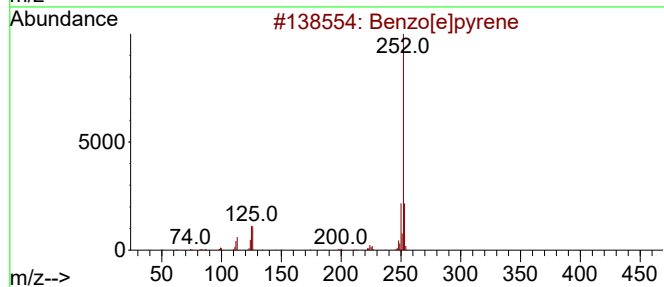
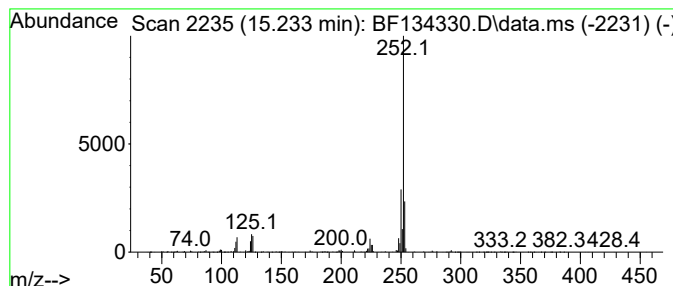
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 19 Benzo[e]pyrene Concentration Rank 6

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 15.233 | 12.25 ng | 678383 | Perylene-d12     | 15.568 |

| Hit# | of 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|------|----------------------|-----|---------|-------------|------|
| 1    |      | Benzo[e]pyrene       | 252 | C20H12  | 000192-97-2 | 95   |
| 2    |      | Benzo[k]fluoranthene | 252 | C20H12  | 000207-08-9 | 94   |
| 3    |      | Benzo[a]pyrene       | 252 | C20H12  | 000050-32-8 | 93   |
| 4    |      | Perylene             | 252 | C20H12  | 000198-55-0 | 90   |
| 5    |      | Benzo[b]fluoranthene | 252 | C20H12  | 000205-99-2 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071723\  
Data File : BF134330.D  
Acq On : 17 Jul 2023 23:11  
Operator : CG\JU  
Sample : 03600-01 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SU-3-071223

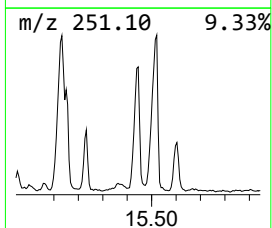
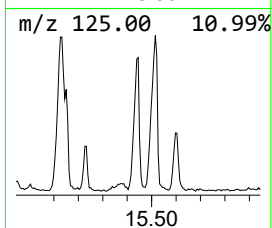
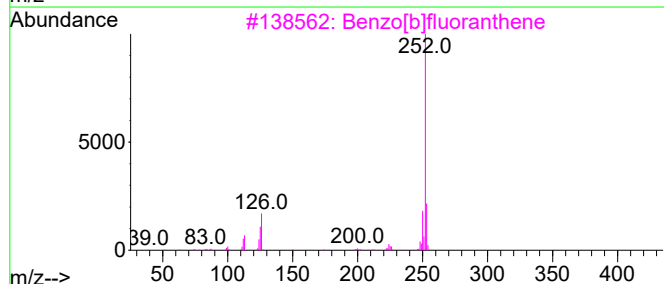
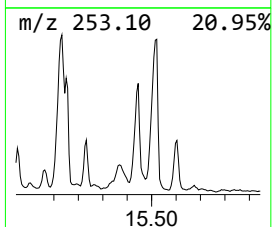
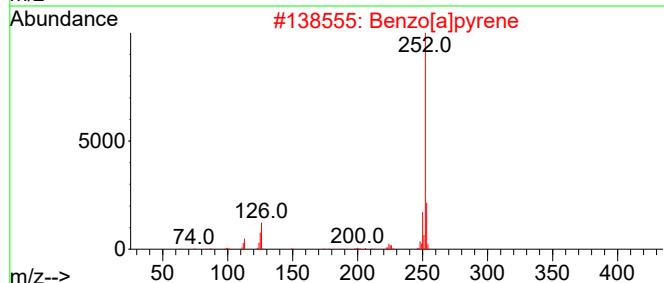
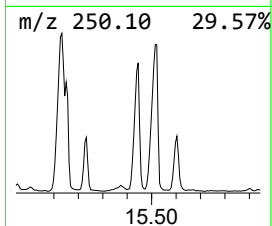
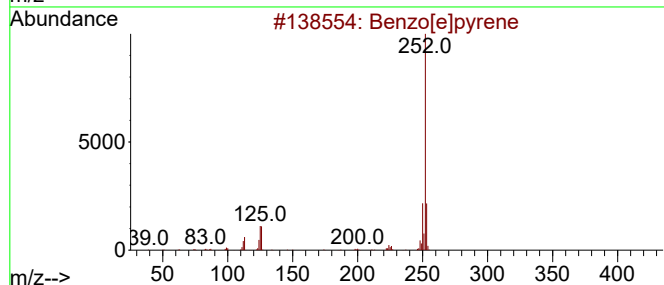
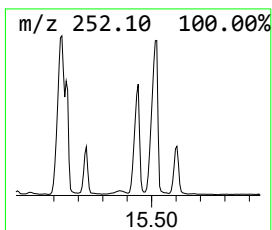
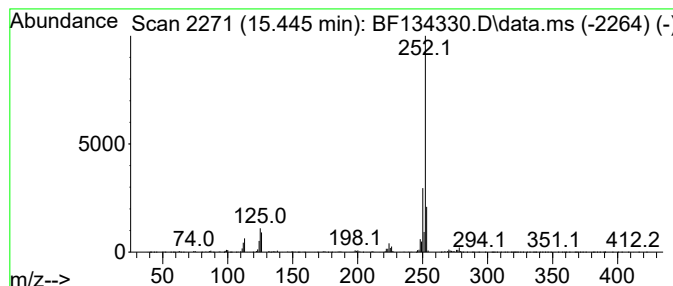
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 20 Benzo[j]fluoranthene Concentration Rank 1

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 15.445 | 39.42 ng | 2183200 | Perylene-d12     | 15.568 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Benzo[e]pyrene       | 252 | C20H12  | 000192-97-2 | 94   |
| 2    |    |   | Benzo[a]pyrene       | 252 | C20H12  | 000050-32-8 | 93   |
| 3    |    |   | Benzo[b]fluoranthene | 252 | C20H12  | 000205-99-2 | 93   |
| 4    |    |   | Benzo[k]fluoranthene | 252 | C20H12  | 000207-08-9 | 93   |
| 5    |    |   | Benzo[j]fluoranthene | 252 | C20H12  | 000205-82-3 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071723\  
 Data File : BF134330.D  
 Acq On : 17 Jul 2023 23:11  
 Operator : CG\JU  
 Sample : 03600-01 2X  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SU-3-071223

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |          |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|----------|------|
|                    |        |         |       |          | #                     | RT     | Resp     | Conc |
| Naphthalene, 2-... | 9.392  | 7.6     | ng    | 1663820  | 3                     | 9.880  | 4355410  | 20.0 |
| Naphthalene, 2,... | 9.469  | 20.9    | ng    | 4544210  | 3                     | 9.880  | 4355410  | 20.0 |
| Naphthalene, 2,... | 9.545  | 23.0    | ng    | 4999580  | 3                     | 9.880  | 4355410  | 20.0 |
| Naphthalene, 1,... | 9.574  | 12.9    | ng    | 2802740  | 3                     | 9.880  | 4355410  | 20.0 |
| Naphthalene, 1,... | 9.657  | 12.5    | ng    | 2728930  | 3                     | 9.880  | 4355410  | 20.0 |
| Naphthalene, 2-... | 9.986  | 7.6     | ng    | 1648740  | 3                     | 9.880  | 4355410  | 20.0 |
| Naphthalene, 1,... | 10.198 | 7.4     | ng    | 1609510  | 3                     | 9.880  | 4355410  | 20.0 |
| Naphthalene, 2,... | 10.286 | 7.2     | ng    | 1557300  | 3                     | 9.880  | 4355410  | 20.0 |
| Diphenylmethane    | 10.522 | 5.8     | ng    | 1266690  | 3                     | 9.880  | 4355410  | 20.0 |
| Dibenzofuran, 4... | 10.586 | 6.1     | ng    | 1321180  | 3                     | 9.880  | 4355410  | 20.0 |
| Anthracene, 2-m... | 11.898 | 6.3     | ng    | 6556020  | 4                     | 11.380 | 20948200 | 20.0 |
| Phenanthrene, 2... | 11.933 | 6.6     | ng    | 6940530  | 4                     | 11.380 | 20948200 | 20.0 |
| 4H-Cyclopenta[d... | 12.015 | 8.5     | ng    | 8947360  | 4                     | 11.380 | 20948200 | 20.0 |
| Pyrene, 1-methyl-  | 13.068 | 9.7     | ng    | 3292140  | 5                     | 14.057 | 6786290  | 20.0 |
| 11H-Benzo[b]flu... | 13.180 | 8.4     | ng    | 2855750  | 5                     | 14.057 | 6786290  | 20.0 |
| Fluoranthene, 2... | 13.245 | 8.6     | ng    | 2926340  | 5                     | 14.057 | 6786290  | 20.0 |
| Pyrene, 2-methyl-  | 13.286 | 8.3     | ng    | 2816320  | 5                     | 14.057 | 6786290  | 20.0 |
| Chrysene, 5-met... | 14.445 | 7.4     | ng    | 2521620  | 5                     | 14.057 | 6786290  | 20.0 |
| Benzo[e]pyrene     | 15.233 | 12.3    | ng    | 678383   | 6                     | 15.568 | 1107640  | 20.0 |
| Benzo[j]fluoran... | 15.445 | 39.4    | ng    | 2183200  | 6                     | 15.568 | 1107640  | 20.0 |