

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082423\  
 Data File : BF134922.D  
 Acq On : 24 Aug 2023 14:05  
 Operator : CG\JU  
 Sample : 04082-07  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 217

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-BF082223.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF134922.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         | 5.028       | 495           | 500         | 505          | rVB      | 26085          | 34053         | 1.51%           | 0.108%        |
| 2         | 5.422       | 563           | 567         | 571          | rBV      | 1936404        | 1951827       | 86.74%          | 6.203%        |
| 3         | 6.434       | 734           | 739         | 742          | rBV      | 1920910        | 1954872       | 86.88%          | 6.213%        |
| 4         | 6.793       | 796           | 800         | 803          | rBV      | 906260         | 690749        | 30.70%          | 2.195%        |
| 5         | 7.351       | 891           | 895         | 898          | rBV      | 1392630        | 1280610       | 56.91%          | 4.070%        |
| 6         | 8.069       | 1013          | 1017        | 1020         | rBV      | 1062234        | 911434        | 40.51%          | 2.897%        |
| 7         | 8.092       | 1020          | 1021        | 1035         | rVB      | 73457          | 58226         | 2.59%           | 0.185%        |
| 8         | 8.781       | 1136          | 1138        | 1141         | rBV      | 29002          | 26254         | 1.17%           | 0.083%        |
| 9         | 8.881       | 1152          | 1155        | 1160         | rVB      | 30219          | 27344         | 1.22%           | 0.087%        |
| 10        | 9.151       | 1196          | 1201        | 1204         | rBV      | 2736229        | 2250128       | 100.00%         | 7.151%        |
| 11        | 9.416       | 1241          | 1246        | 1249         | rBV      | 18809          | 26310         | 1.17%           | 0.084%        |
| 12        | 9.487       | 1255          | 1258        | 1261         | rBV      | 33317          | 33334         | 1.48%           | 0.106%        |
| 13        | 9.687       | 1290          | 1292        | 1296         | rBV      | 35138          | 31477         | 1.40%           | 0.100%        |
| 14        | 9.828       | 1310          | 1316        | 1319         | rBV      | 1150843        | 950208        | 42.23%          | 3.020%        |
| 15        | 9.863       | 1319          | 1322        | 1325         | rVB      | 73680          | 67915         | 3.02%           | 0.216%        |
| 16        | 10.034      | 1346          | 1351        | 1355         | rBV      | 61959          | 61240         | 2.72%           | 0.195%        |
| 17        | 10.381      | 1406          | 1410        | 1415         | rVB      | 71314          | 69335         | 3.08%           | 0.220%        |
| 18        | 10.539      | 1434          | 1437        | 1441         | rVB2     | 28835          | 30046         | 1.34%           | 0.095%        |
| 19        | 10.622      | 1447          | 1451        | 1454         | rBV      | 1471889        | 1248876       | 55.50%          | 3.969%        |
| 20        | 10.745      | 1469          | 1472        | 1479         | rVB6     | 32432          | 49039         | 2.18%           | 0.156%        |
| 21        | 10.928      | 1499          | 1503        | 1506         | rBV4     | 23408          | 28195         | 1.25%           | 0.090%        |
| 22        | 11.128      | 1534          | 1537        | 1540         | rVB      | 49557          | 41263         | 1.83%           | 0.131%        |
| 23        | 11.175      | 1541          | 1545        | 1547         | rVV3     | 21395          | 31352         | 1.39%           | 0.100%        |
| 24        | 11.216      | 1550          | 1552        | 1558         | rVB      | 62430          | 61285         | 2.72%           | 0.195%        |
| 25        | 11.322      | 1566          | 1570        | 1572         | rBV      | 1008550        | 839218        | 37.30%          | 2.667%        |
| 26        | 11.345      | 1572          | 1574        | 1578         | rVV      | 1019886        | 788164        | 35.03%          | 2.505%        |
| 27        | 11.398      | 1578          | 1583        | 1586         | rVB      | 200529         | 176861        | 7.86%           | 0.562%        |
| 28        | 11.433      | 1586          | 1589        | 1592         | rBV      | 69291          | 60749         | 2.70%           | 0.193%        |
| 29        | 11.557      | 1603          | 1610        | 1613         | rBV2     | 86091          | 101098        | 4.49%           | 0.321%        |
| 30        | 11.622      | 1618          | 1621        | 1624         | rVV2     | 35913          | 30331         | 1.35%           | 0.096%        |
| 31        | 11.657      | 1624          | 1627        | 1631         | rVB3     | 29271          | 31712         | 1.41%           | 0.101%        |
| 32        | 11.786      | 1646          | 1649        | 1652         | rBV4     | 31273          | 42509         | 1.89%           | 0.135%        |
| 33        | 11.828      | 1652          | 1656        | 1658         | rVV      | 139405         | 134872        | 5.99%           | 0.429%        |
| 34        | 11.857      | 1658          | 1661        | 1665         | rVV      | 424058         | 412966        | 18.35%          | 1.312%        |
| 35        | 11.904      | 1666          | 1669        | 1671         | rVV2     | 70406          | 79097         | 3.52%           | 0.251%        |
| 36        | 11.939      | 1671          | 1675        | 1677         | rVV      | 224698         | 240384        | 10.68%          | 0.764%        |

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 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 217

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-BF082223.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 37 | 11.963 | 1677 | 1679 | 1683 | rVB  | 92779   | 83772   | 3.72%  | 0.266% |
| 38 | 12.128 | 1704 | 1707 | 1709 | rBV  | 104180  | 95447   | 4.24%  | 0.303% |
| 39 | 12.151 | 1709 | 1711 | 1714 | rVB  | 129241  | 104162  | 4.63%  | 0.331% |
| 40 | 12.275 | 1727 | 1732 | 1735 | rBV2 | 53726   | 60785   | 2.70%  | 0.193% |
| 41 | 12.304 | 1735 | 1737 | 1739 | rVV  | 42030   | 33841   | 1.50%  | 0.108% |
| 42 | 12.333 | 1739 | 1742 | 1744 | rVB  | 32438   | 27668   | 1.23%  | 0.088% |
| 43 | 12.380 | 1746 | 1750 | 1753 | rBV  | 108586  | 113580  | 5.05%  | 0.361% |
| 44 | 12.416 | 1753 | 1756 | 1758 | rVV2 | 53547   | 66186   | 2.94%  | 0.210% |
| 45 | 12.463 | 1762 | 1764 | 1769 | rBV2 | 89997   | 97373   | 4.33%  | 0.309% |
| 46 | 12.545 | 1774 | 1778 | 1781 | rBV  | 1951719 | 1641061 | 72.93% | 5.216% |
| 47 | 12.586 | 1781 | 1785 | 1787 | rBV3 | 29693   | 30628   | 1.36%  | 0.097% |
| 48 | 12.651 | 1792 | 1796 | 1799 | rBV6 | 75329   | 95683   | 4.25%  | 0.304% |
| 49 | 12.692 | 1801 | 1803 | 1807 | rVV  | 58821   | 56742   | 2.52%  | 0.180% |
| 50 | 12.775 | 1811 | 1817 | 1820 | rBV  | 1637038 | 1706300 | 75.83% | 5.423% |
| 51 | 12.822 | 1823 | 1825 | 1830 | rVB3 | 68477   | 89280   | 3.97%  | 0.284% |
| 52 | 12.892 | 1834 | 1837 | 1838 | rBV  | 98811   | 82276   | 3.66%  | 0.261% |
| 53 | 12.922 | 1838 | 1842 | 1848 | rVB  | 2094883 | 1859096 | 82.62% | 5.909% |
| 54 | 12.992 | 1849 | 1854 | 1858 | rBV2 | 110865  | 184766  | 8.21%  | 0.587% |
| 55 | 13.080 | 1866 | 1869 | 1870 | rBV2 | 82484   | 88439   | 3.93%  | 0.281% |
| 56 | 13.104 | 1870 | 1873 | 1876 | rVB  | 266960  | 244833  | 10.88% | 0.778% |
| 57 | 13.169 | 1881 | 1884 | 1887 | rVB  | 191867  | 170778  | 7.59%  | 0.543% |
| 58 | 13.210 | 1887 | 1891 | 1893 | rBV2 | 171030  | 190113  | 8.45%  | 0.604% |
| 59 | 13.233 | 1893 | 1895 | 1898 | rVB2 | 45893   | 43381   | 1.93%  | 0.138% |
| 60 | 13.298 | 1903 | 1906 | 1909 | rBV  | 104095  | 88461   | 3.93%  | 0.281% |
| 61 | 13.333 | 1909 | 1912 | 1915 | rBV  | 101220  | 104450  | 4.64%  | 0.332% |
| 62 | 13.616 | 1957 | 1960 | 1964 | rVB  | 135949  | 147456  | 6.55%  | 0.469% |
| 63 | 13.727 | 1974 | 1979 | 1981 | rBV2 | 200124  | 246612  | 10.96% | 0.784% |
| 64 | 13.757 | 1981 | 1984 | 1986 | rVV  | 150727  | 153359  | 6.82%  | 0.487% |
| 65 | 13.780 | 1986 | 1988 | 1989 | rVV  | 125471  | 116117  | 5.16%  | 0.369% |
| 66 | 13.827 | 1993 | 1996 | 2004 | rVB2 | 273957  | 304780  | 13.55% | 0.969% |
| 67 | 13.974 | 2014 | 2021 | 2024 | rBV2 | 1165308 | 1822032 | 80.97% | 5.791% |
| 68 | 14.010 | 2024 | 2027 | 2032 | rVB  | 837512  | 870885  | 38.70% | 2.768% |
| 69 | 14.080 | 2037 | 2039 | 2043 | rVB2 | 218437  | 221349  | 9.84%  | 0.703% |
| 70 | 14.369 | 2086 | 2088 | 2091 | rVB  | 150491  | 124641  | 5.54%  | 0.396% |
| 71 | 14.404 | 2091 | 2094 | 2098 | rVB2 | 101242  | 108180  | 4.81%  | 0.344% |
| 72 | 14.463 | 2102 | 2104 | 2107 | rVV2 | 104123  | 107670  | 4.79%  | 0.342% |
| 73 | 14.492 | 2107 | 2109 | 2111 | rVV2 | 110117  | 99938   | 4.44%  | 0.318% |
| 74 | 14.516 | 2111 | 2113 | 2116 | rVB2 | 94678   | 83104   | 3.69%  | 0.264% |
| 75 | 15.027 | 2195 | 2200 | 2203 | rBV  | 849851  | 1266991 | 56.31% | 4.027% |
| 76 | 15.133 | 2215 | 2218 | 2222 | rVB  | 123980  | 137470  | 6.11%  | 0.437% |

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Sample : 04082-07  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
217

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-BF082223.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 77 | 15.333 | 2247 | 2252 | 2258 | rVB  | 496406 | 661399 | 29.39% | 2.102% |
| 78 | 15.392 | 2258 | 2262 | 2268 | rBV  | 635453 | 818798 | 36.39% | 2.602% |
| 79 | 15.457 | 2269 | 2273 | 2276 | rVV  | 582195 | 746338 | 33.17% | 2.372% |
| 80 | 15.486 | 2276 | 2278 | 2285 | rVB2 | 188785 | 272989 | 12.13% | 0.868% |
| 81 | 16.951 | 2521 | 2527 | 2534 | rVB2 | 250850 | 524337 | 23.30% | 1.666% |
| 82 | 17.398 | 2598 | 2603 | 2615 | rVB  | 198972 | 417204 | 18.54% | 1.326% |

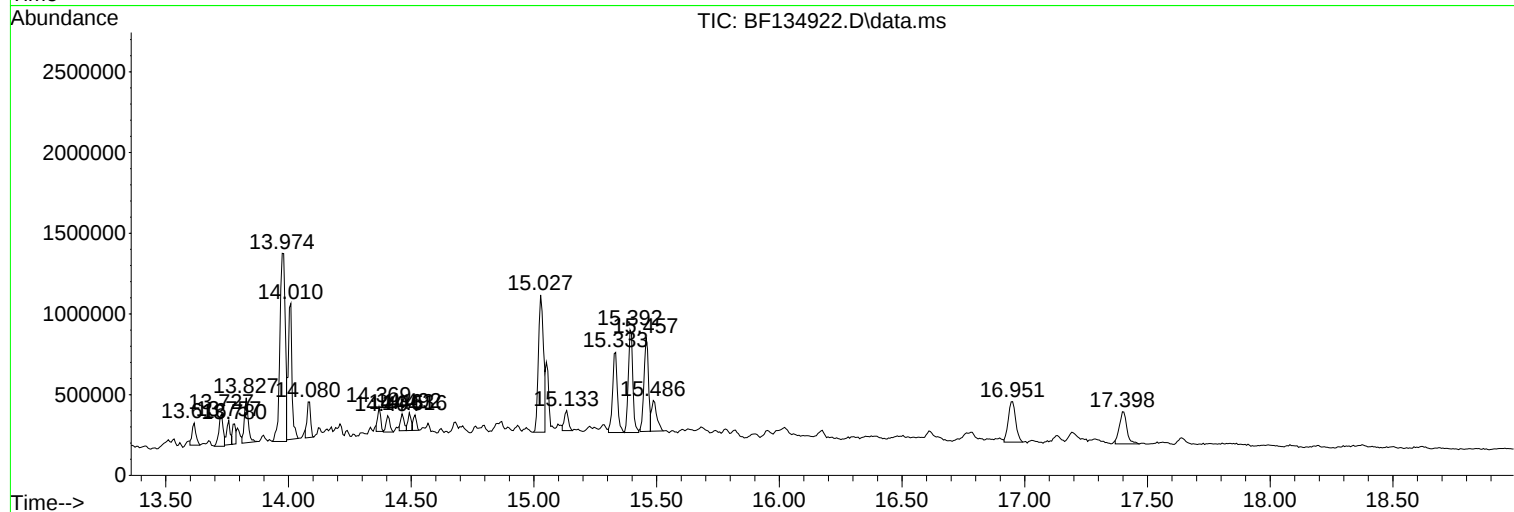
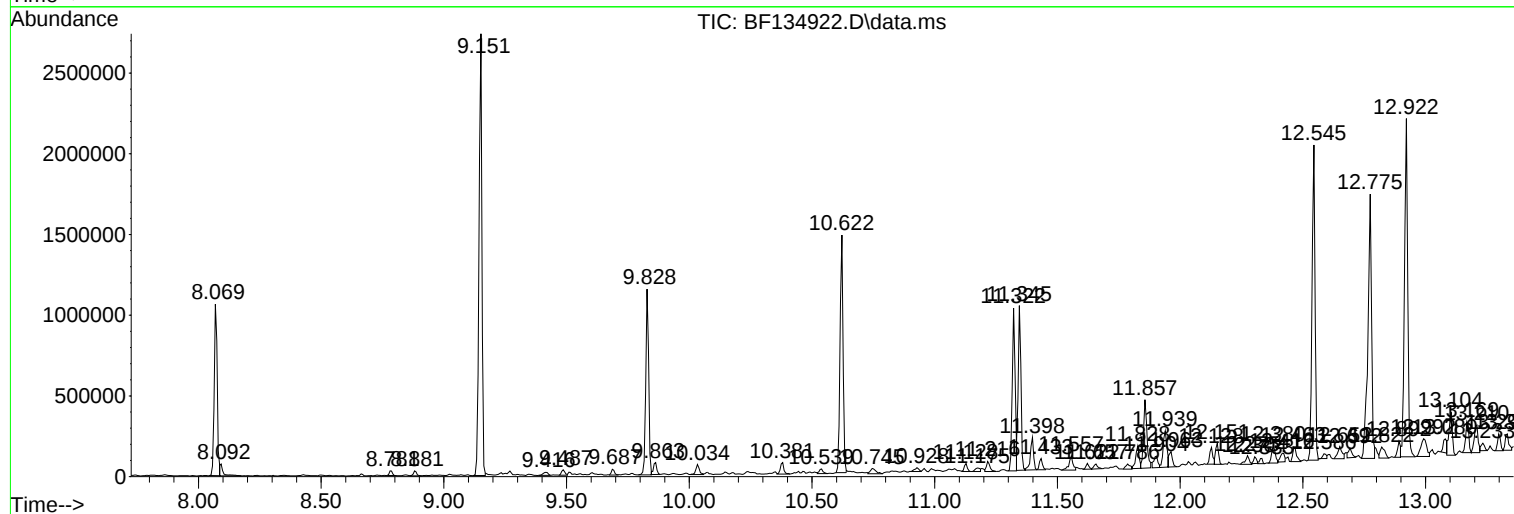
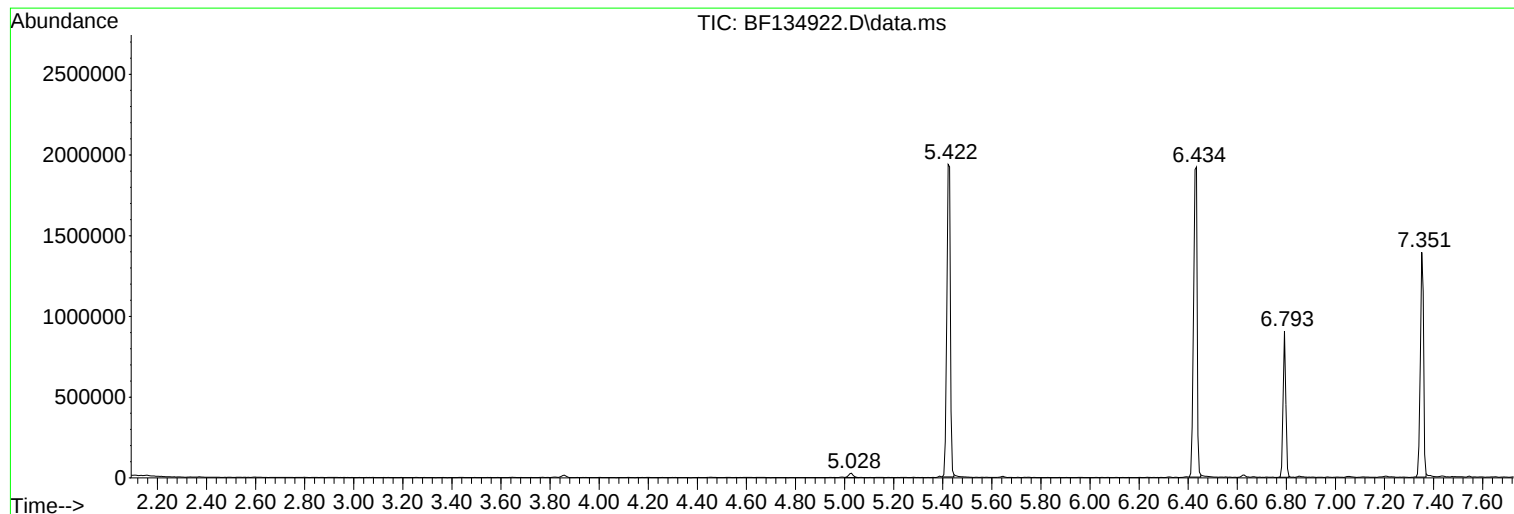
Sum of corrected areas: 31464083

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082423\  
Data File : BF134922.D  
Acq On : 24 Aug 2023 14:05  
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Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
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217

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF082223.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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Data File : BF134922.D  
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Operator : CG\JU  
Sample : 04082-07  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
217

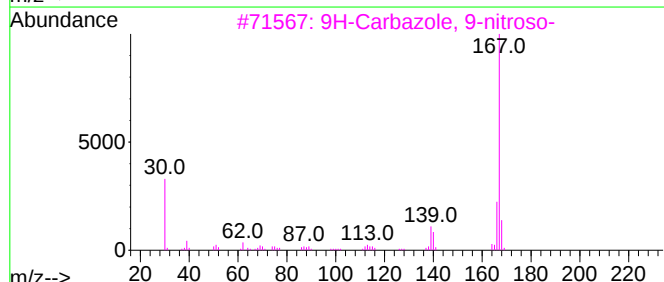
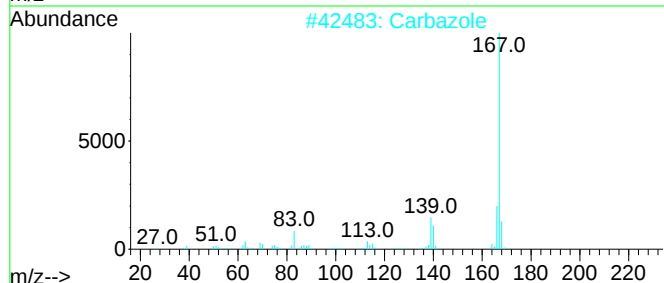
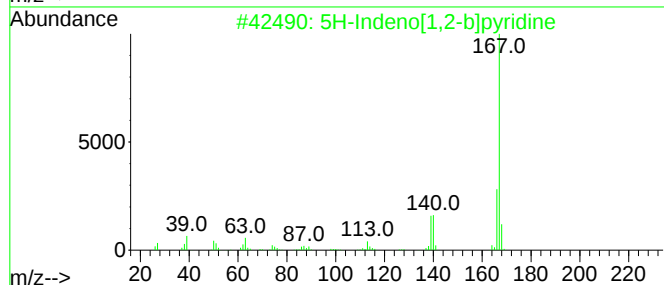
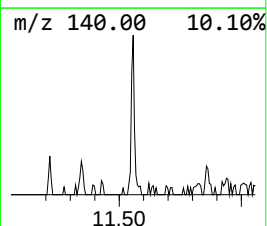
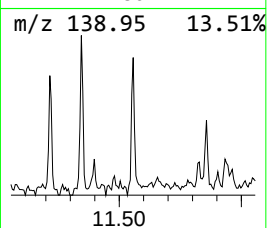
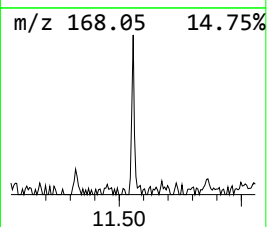
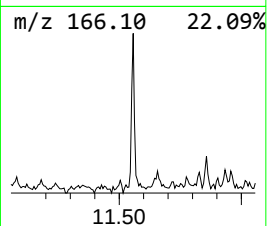
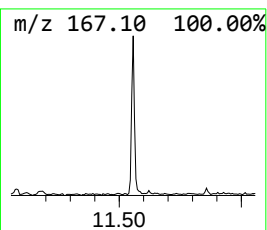
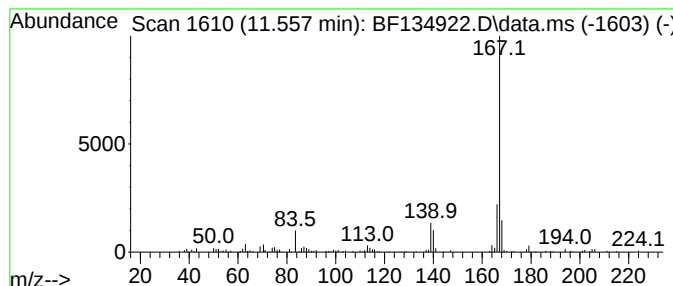
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF082223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 5H-Indeno[1,2-b]pyridine Concentration Rank 12

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.557 | 2.41 ng | 101098 | Phenanthrene-d10 | 11.322 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 5H-Indeno[1,2-b]pyridine            | 167 | C12H9N   | 000244-99-5 | 87   |
| 2    |    |   | Carbazole                           | 167 | C12H9N   | 000086-74-8 | 87   |
| 3    |    |   | 9H-Carbazole, 9-nitroso-            | 196 | C12H8N2O | 002788-23-0 | 80   |
| 4    |    |   | 2-Azafluorene                       | 167 | C12H9N   | 000244-40-6 | 72   |
| 5    |    |   | Thiazolo[3,2-a]pyridinium, 2,3-d... | 167 | C8H9NOS  | 023003-43-2 | 64   |



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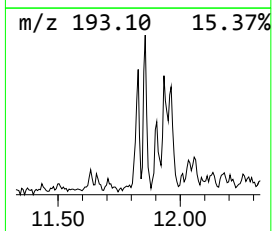
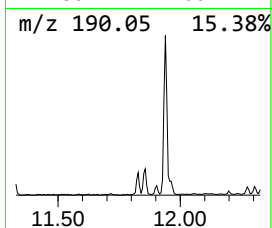
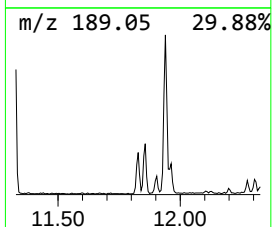
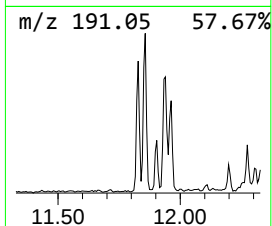
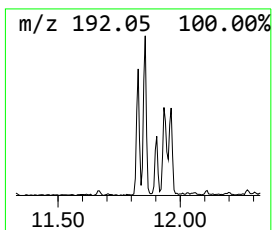
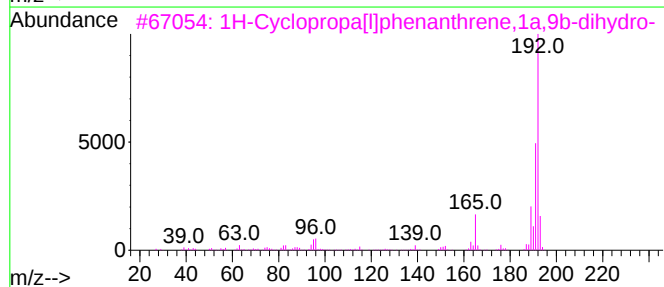
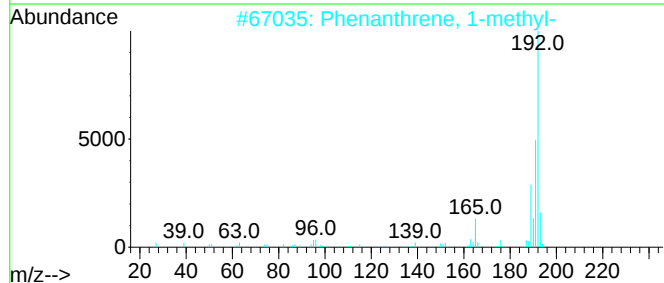
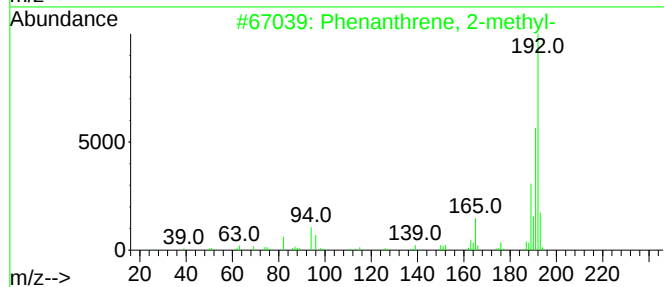
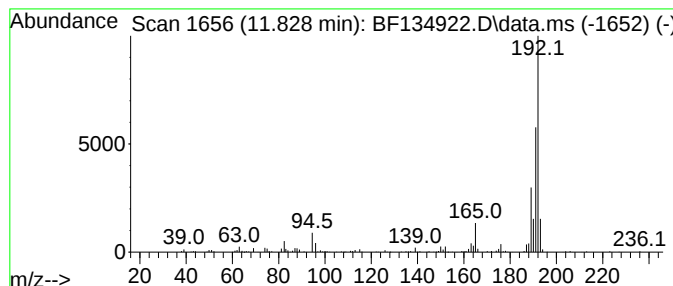
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF082223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.828 | 3.21 ng | 134872 | Phenanthrene-d10 | 11.322 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------------------|-----|---------|-------------|------|
| 1    |      | Phenanthrene, 2-methyl-             | 192 | C15H12  | 002531-84-2 | 96   |
| 2    |      | Phenanthrene, 1-methyl-             | 192 | C15H12  | 000832-69-9 | 96   |
| 3    |      | 1H-Cyclopropa[1]phenanthrene,1a,... | 192 | C15H12  | 000949-41-7 | 94   |
| 4    |      | Anthracene, 1-methyl-               | 192 | C15H12  | 000610-48-0 | 94   |
| 5    |      | Anthracene, 2-methyl-               | 192 | C15H12  | 000613-12-7 | 93   |



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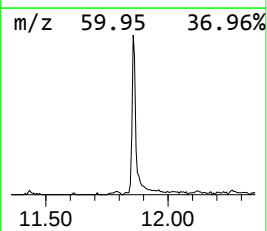
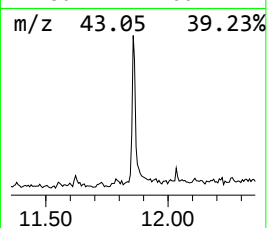
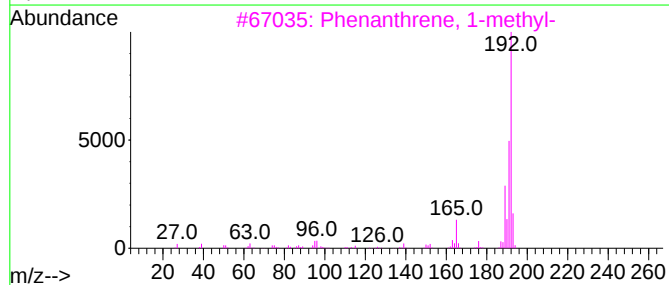
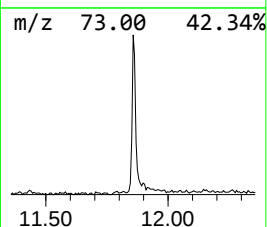
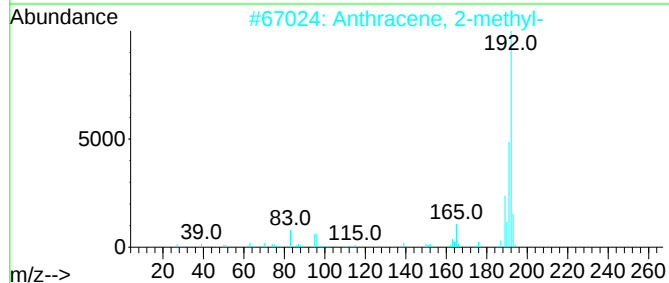
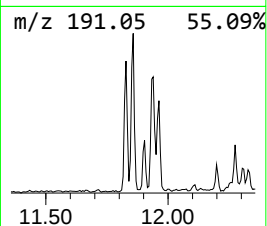
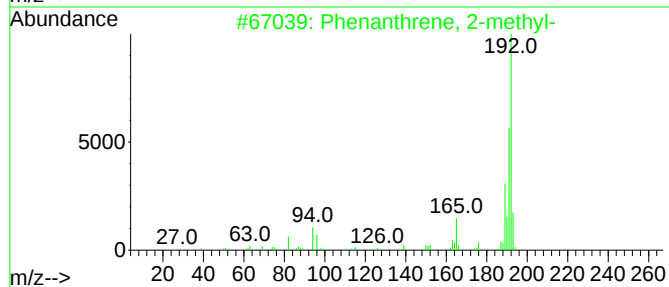
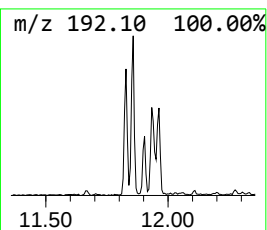
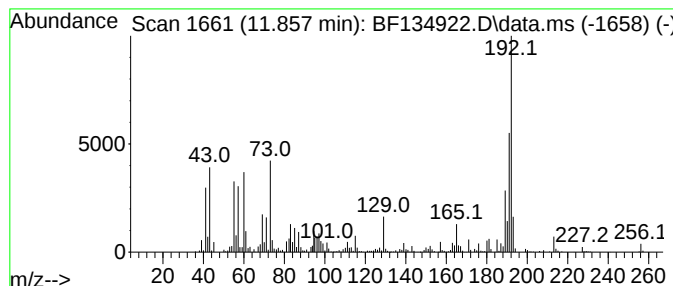
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 Anthracene, 2-methyl- Concentration Rank 2

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.857 | 9.84 ng | 412966 | Phenanthrene-d10 | 11.322 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 2-methyl-             | 192 | C15H12  | 002531-84-2 | 98   |
| 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 | 97   |
| 5    |    |   | Anthracene, 9-methyl-               | 192 | C15H12  | 000779-02-2 | 95   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082423\  
Data File : BF134922.D  
Acq On : 24 Aug 2023 14:05  
Operator : CG\JU  
Sample : 04082-07  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
217

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF082223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

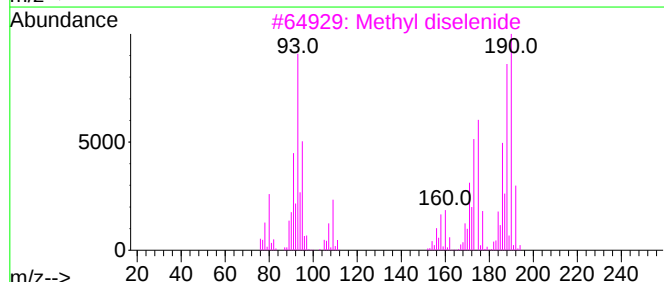
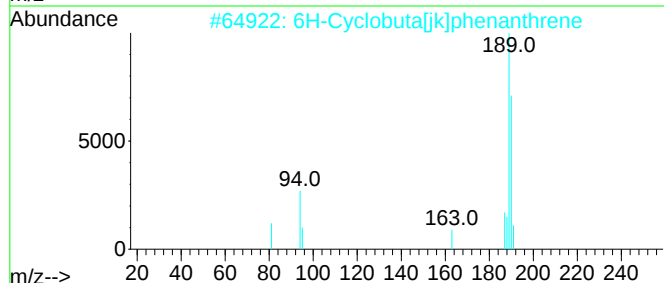
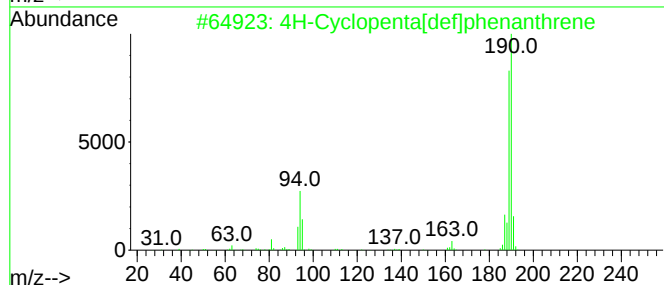
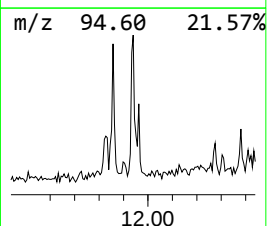
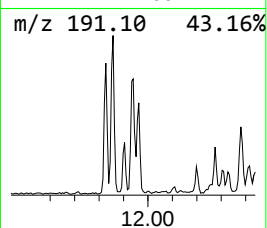
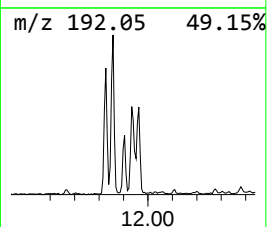
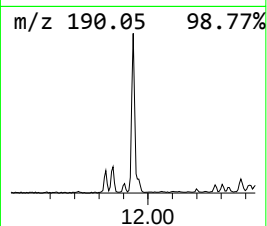
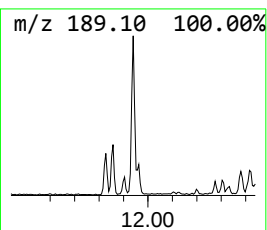
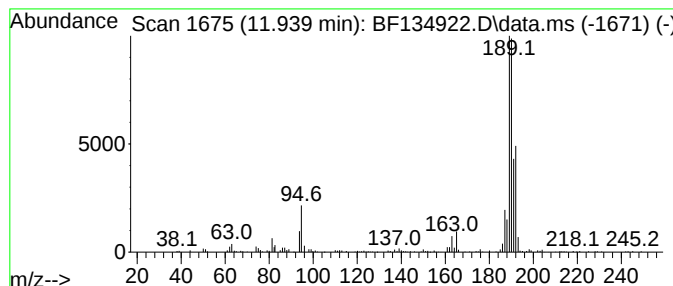
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TIC Integration Parameters: LSCINT.P

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

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.939 | 5.73 ng | 240384 | Phenanthrene-d10 | 11.322 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10    | 000203-64-5 | 93   |
| 2    |    |   | 6H-Cyclobuta[jk]phenanthrene        | 190 | C15H10    | 083469-43-6 | 53   |
| 3    |    |   | Methyl diselenide                   | 190 | C2H6Se2   | 007101-31-7 | 45   |
| 4    |    |   | 2,3,5,6-Tetramethylterephthalald... | 190 | C12H14O2  | 007072-01-7 | 43   |
| 5    |    |   | 4,6-Dichloro-2-ethylpyrimidin-5-... | 191 | C6H7Cl2N3 | 006237-96-3 | 43   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082423\  
Data File : BF134922.D  
Acq On : 24 Aug 2023 14:05  
Operator : CG\JU  
Sample : 04082-07  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
217

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF082223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

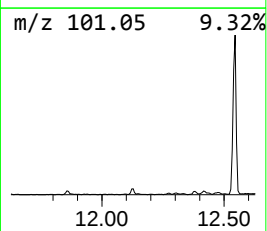
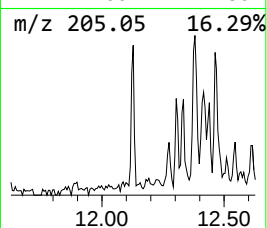
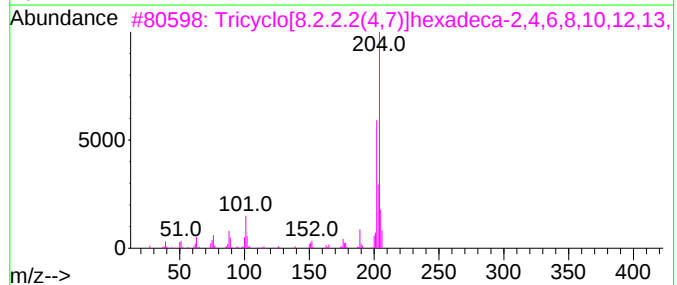
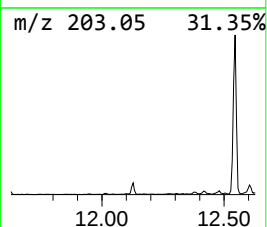
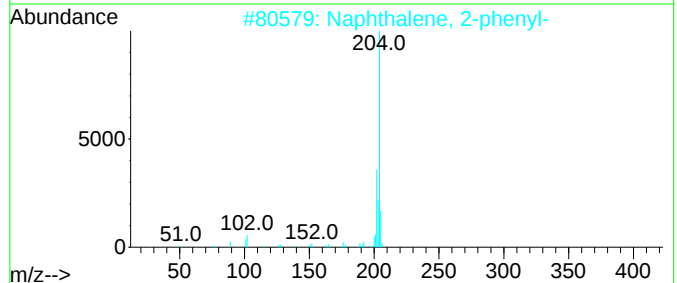
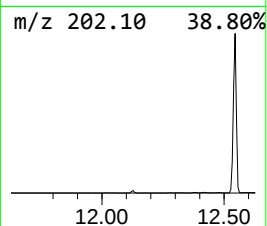
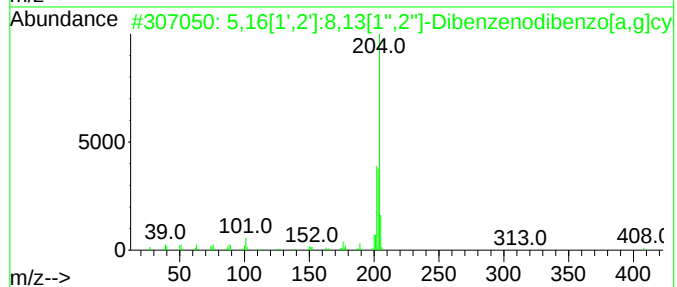
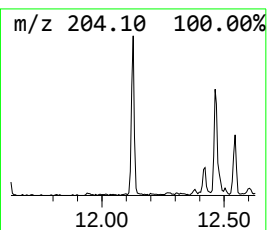
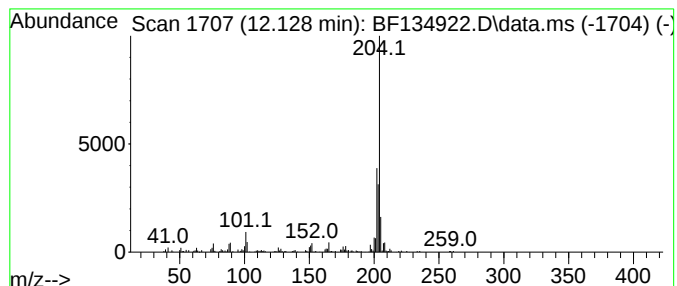
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 15

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 12.128 | 2.27 ng | 95447 | Phenanthrene-d10 | 11.322 |

| Hit# | of                                  | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24       | 005672-97-9 | 86      |      |      |
| 2    | Naphthalene, 2-phenyl-              | 204 | C16H12       | 000612-94-2 | 70      |      |      |
| 3    | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12       | 006572-60-7 | 62      |      |      |
| 4    | 9,10-Bis(bromomethyl)anthracene     | 362 | C16H12Br2    | 034373-96-1 | 62      |      |      |
| 5    | Acephenanthrylene, 4,5-dihydro-     | 204 | C16H12       | 006232-48-0 | 46      |      |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082423\  
Data File : BF134922.D  
Acq On : 24 Aug 2023 14:05  
Operator : CG\JU  
Sample : 04082-07  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF082223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

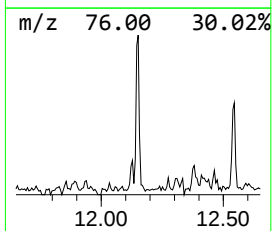
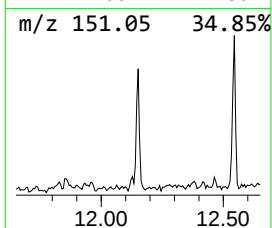
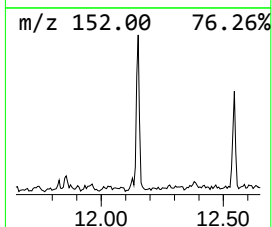
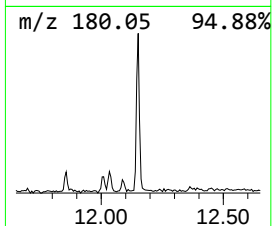
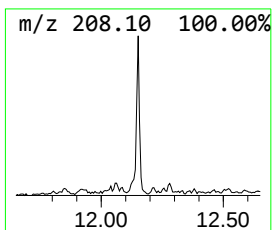
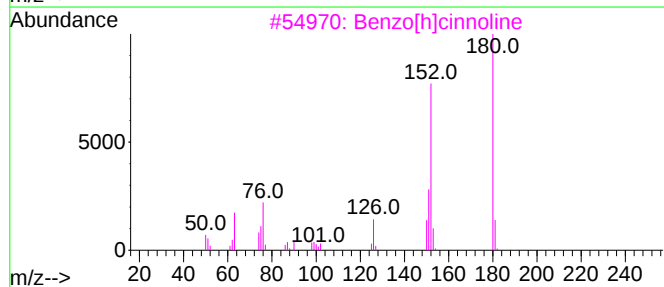
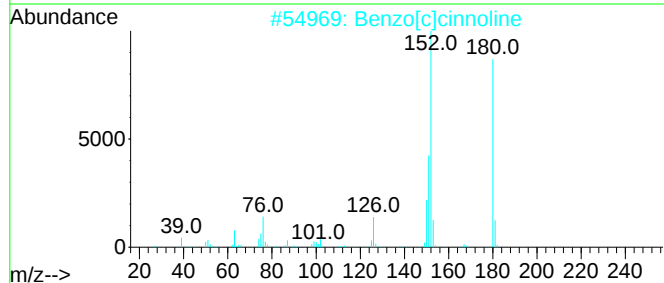
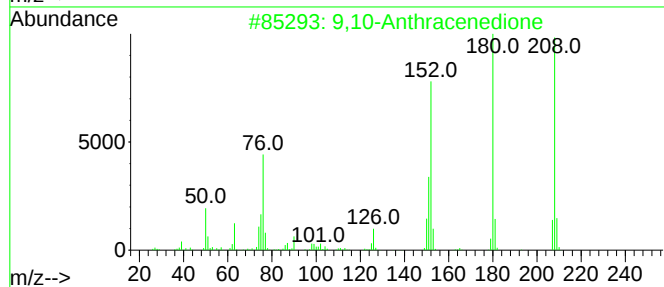
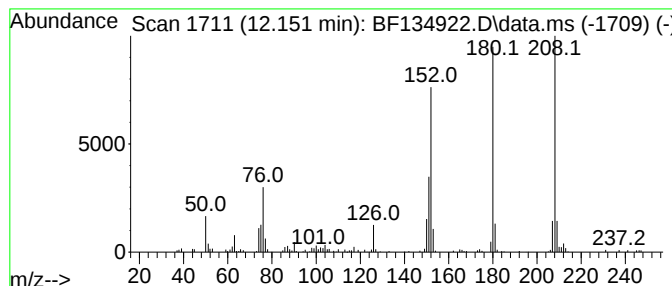
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 9,10-Anthracenedione Concentration Rank 10

| R.T.   | EstConc | Area   | Relative to ISTD |  | R.T.   |
|--------|---------|--------|------------------|--|--------|
| 12.151 | 2.48 ng | 104162 | Phenanthrene-d10 |  | 11.322 |

| Hit# | of 5                 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----------------------|--------------|-----|---------|-------------|------|
| 1    | 9,10-Anthracenedione |              | 208 | C14H8O2 | 000084-65-1 | 98   |
| 2    | Benzo[c]cinnoline    |              | 180 | C12H8N2 | 000230-17-1 | 91   |
| 3    | Benzo[h]cinnoline    |              | 180 | C12H8N2 | 000230-31-9 | 64   |
| 4    | 9H-Fluoren-9-one     |              | 180 | C13H8O  | 000486-25-9 | 64   |
| 5    | 1H-Phenalen-1-one    |              | 180 | C13H8O  | 000548-39-0 | 52   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082423\  
Data File : BF134922.D  
Acq On : 24 Aug 2023 14:05  
Operator : CG\JU  
Sample : 04082-07  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
217

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF082223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

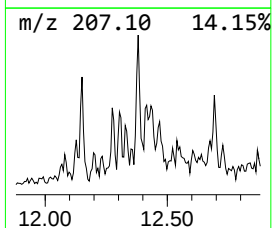
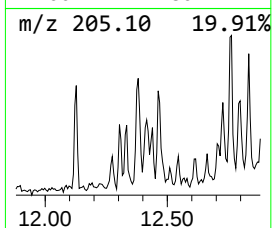
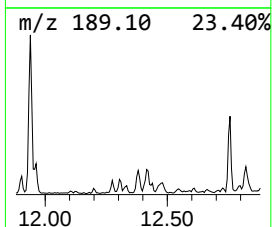
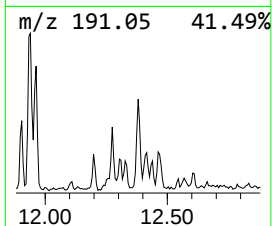
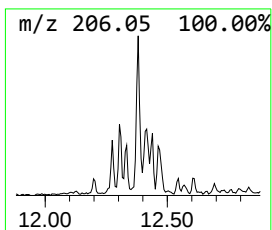
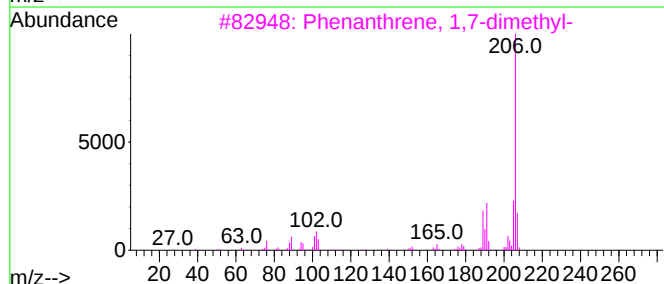
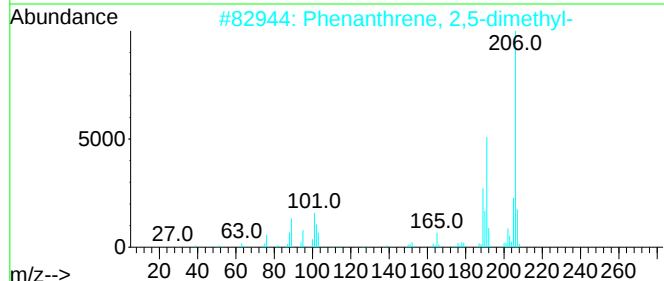
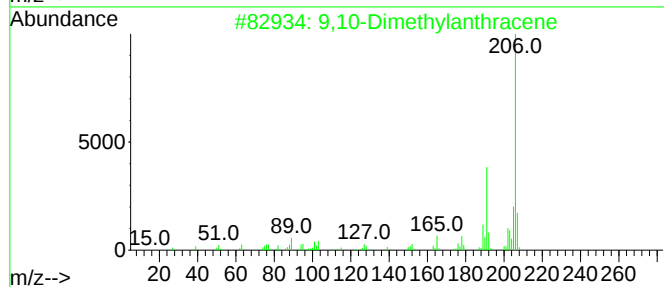
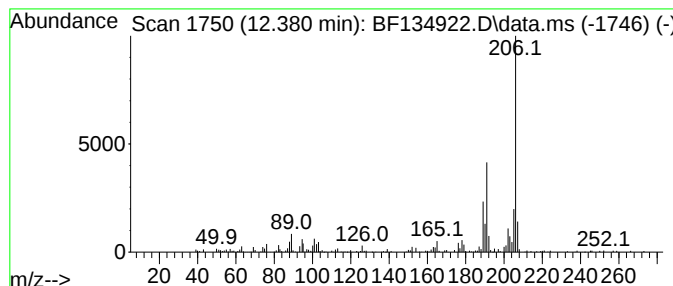
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TIC Integration Parameters: LSCINT.P

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Peak Number 7 9,10-Dimethylantracene Concentration Rank 8

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 12.380 | 2.71 ng | 113580 | Phenanthrene-d10 | 11.322 |

| Hit# | of 5                        | Tentative ID | MW     | MolForm      | CAS# | Qual |
|------|-----------------------------|--------------|--------|--------------|------|------|
| 1    | 9,10-Dimethylantracene      | 206          | C16H14 | 000781-43-1  | 97   |      |
| 2    | Phenanthrene, 2,5-dimethyl- | 206          | C16H14 | 003674-66-6  | 95   |      |
| 3    | Phenanthrene, 1,7-dimethyl- | 206          | C16H14 | 000483-87-4  | 93   |      |
| 4    | Phenanthrene, 3,6-dimethyl- | 206          | C16H14 | 001576-67-6  | 90   |      |
| 5    | 3,4-Dimethylphenanthrene    | 206          | C16H14 | 1000452-24-5 | 87   |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082423\  
Data File : BF134922.D  
Acq On : 24 Aug 2023 14:05  
Operator : CG\JU  
Sample : 04082-07  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
217

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF082223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

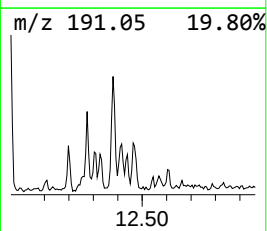
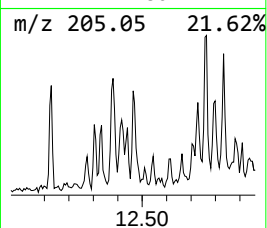
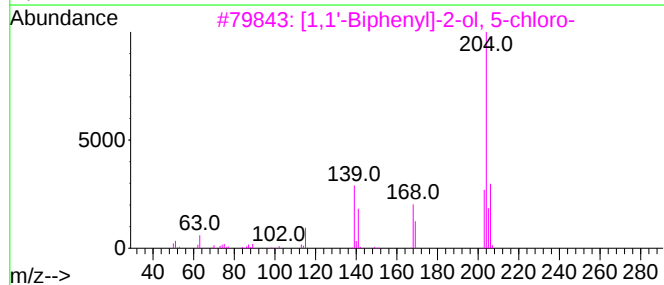
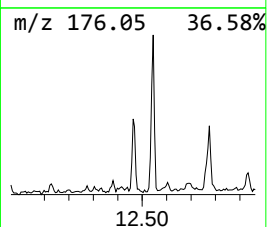
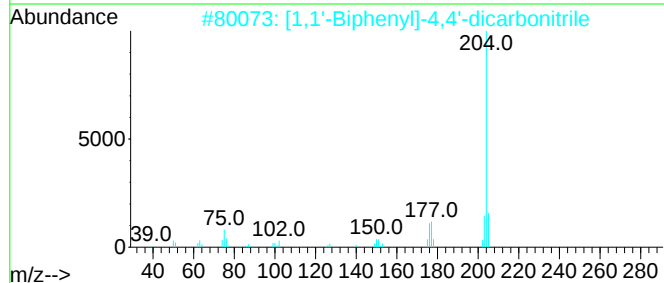
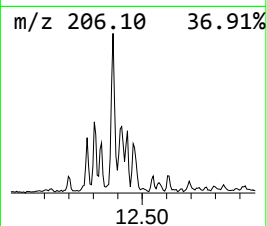
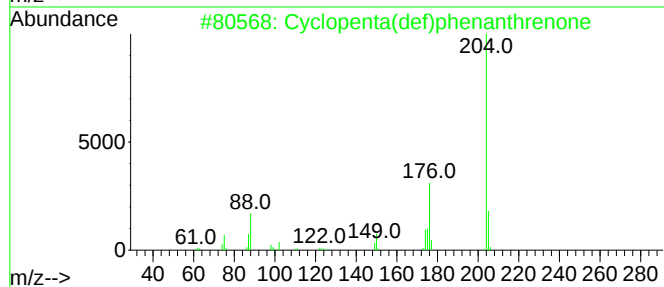
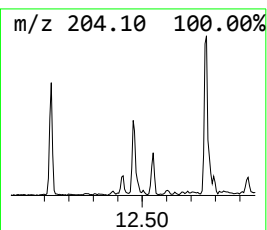
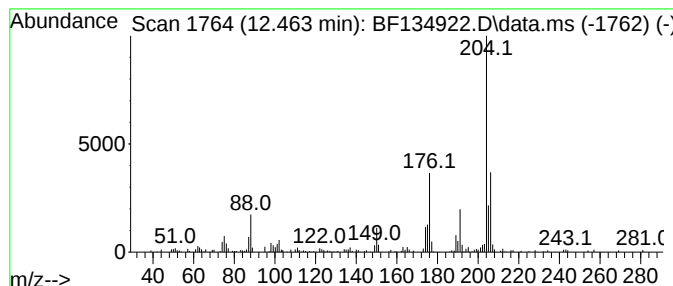
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TIC Integration Parameters: LSCINT.P

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Peak Number 8 Cyclopenta(def)phenanthrene Concentration Rank 13

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 12.463 | 2.32 ng | 97373 | Phenanthrene-d10 | 11.322 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Cyclopenta(def)phenanthrene         | 204 | C15H8O    | 005737-13-3  | 96   |
| 2    |    |   | [1,1'-Biphenyl]-4,4'-dicarbonitrile | 204 | C14H8N2   | 001591-30-6  | 49   |
| 3    |    |   | [1,1'-Biphenyl]-2-ol, 5-chloro-     | 204 | C12H9ClO  | 000607-12-5  | 47   |
| 4    |    |   | Benzene, 1-chloro-3-phenoxy-        | 204 | C12H9ClO  | 006452-49-9  | 47   |
| 5    |    |   | Pyrimidine, 4-chloro-6-(4-methyl... | 204 | C11H9ClN2 | 1000380-55-8 | 47   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082423\  
Data File : BF134922.D  
Acq On : 24 Aug 2023 14:05  
Operator : CG\JU  
Sample : 04082-07  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
217

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF082223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

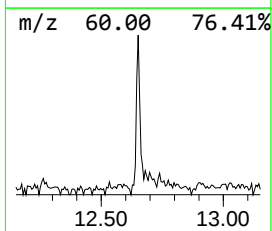
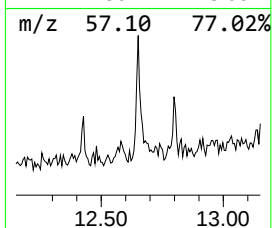
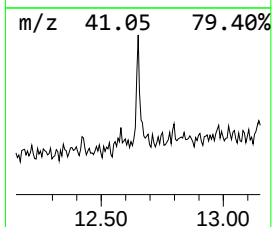
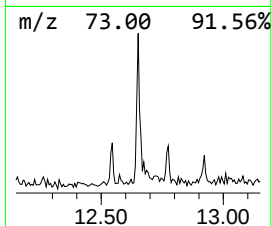
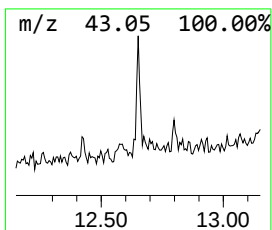
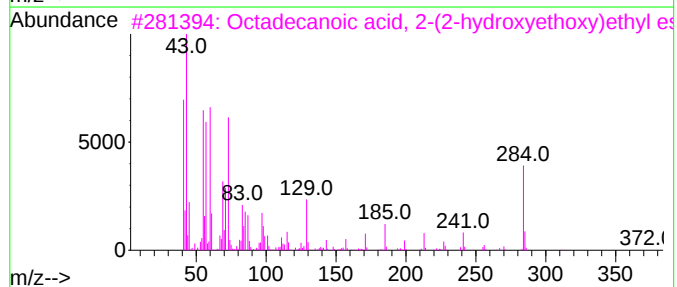
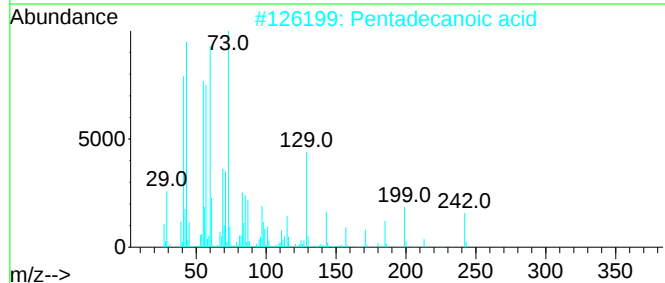
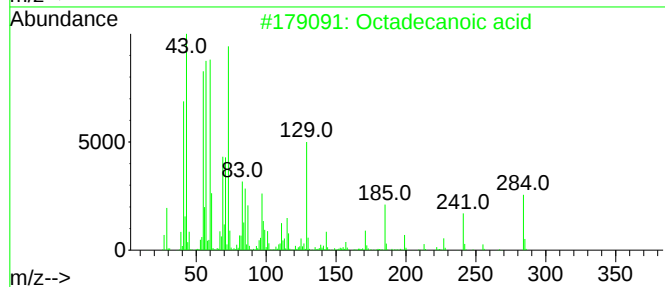
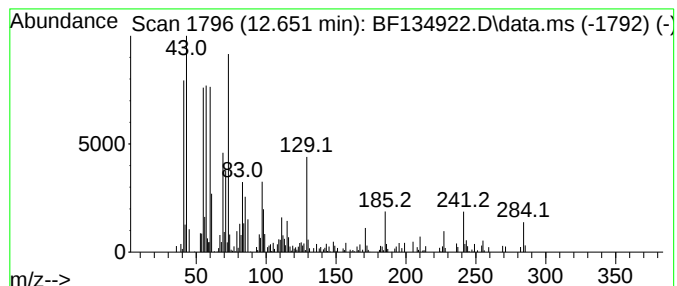
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TIC Integration Parameters: LSCINT.P

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Peak Number 9 Octadecanoic acid Concentration Rank 14

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 12.651 | 2.28 ng | 95683 | Phenanthrene-d10 | 11.322 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|------|-------------------------------------|-----|----------|-------------|------|
| 1    |      | Octadecanoic acid                   | 284 | C18H36O2 | 000057-11-4 | 98   |
| 2    |      | Pentadecanoic acid                  | 242 | C15H30O2 | 001002-84-2 | 90   |
| 3    |      | Octadecanoic acid, 2-(2-hydroxye... | 372 | C22H44O4 | 000106-11-6 | 90   |
| 4    |      | n-Decanoic acid                     | 172 | C10H20O2 | 000334-48-5 | 83   |
| 5    |      | n-Hexadecanoic acid                 | 256 | C16H32O2 | 000057-10-3 | 74   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082423\  
Data File : BF134922.D  
Acq On : 24 Aug 2023 14:05  
Operator : CG\JU  
Sample : 04082-07  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
217

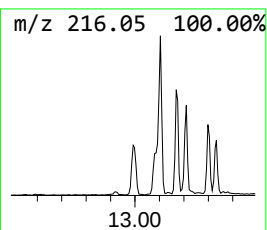
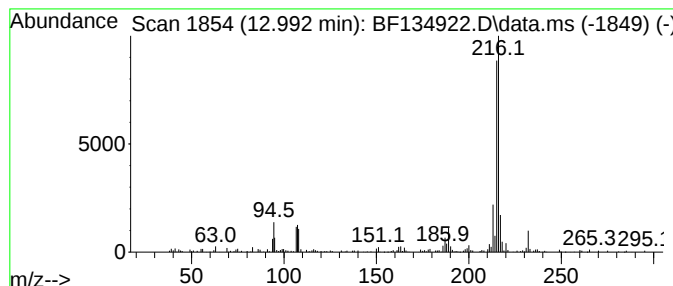
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 10 Pyrene, 1-methyl- Concentration Rank 17

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 12.992 | 2.03 ng | 184766 | Chrysene-d12     | 13.980 |

| Hit# | of 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------|-----|---------|-------------|------|
| 1    |      | Pyrene, 1-methyl-       | 216 | C17H12  | 002381-21-7 | 96   |
| 2    |      | 11H-Benzo[b]fluorene    | 216 | C17H12  | 000243-17-4 | 89   |
| 3    |      | Fluoranthene, 2-methyl- | 216 | C17H12  | 033543-31-6 | 81   |
| 4    |      | 11H-Benzo[a]fluorene    | 216 | C17H12  | 000238-84-6 | 74   |
| 5    |      | 7H-Benzo[c]fluorene     | 216 | C17H12  | 000205-12-9 | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082423\  
Data File : BF134922.D  
Acq On : 24 Aug 2023 14:05  
Operator : CG\JU  
Sample : 04082-07  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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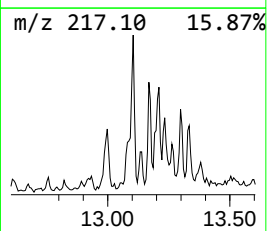
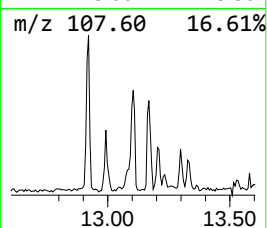
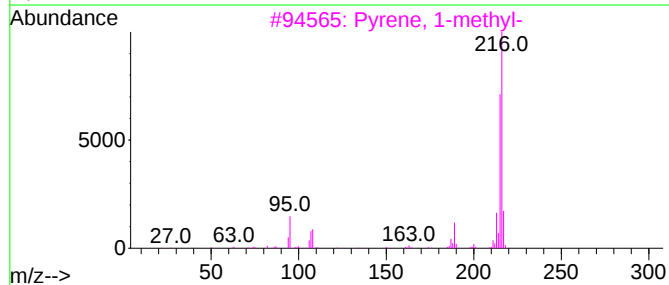
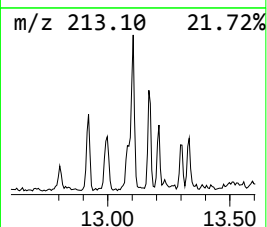
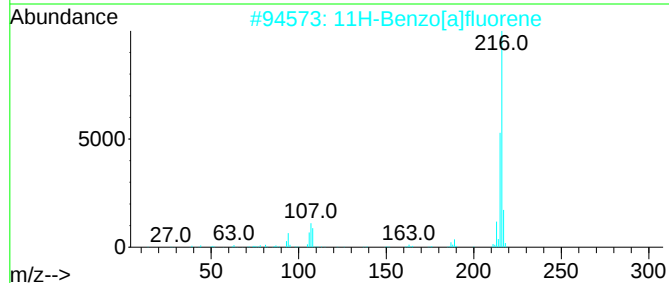
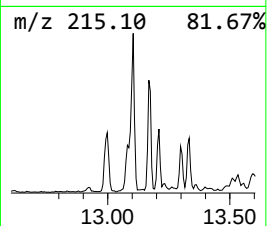
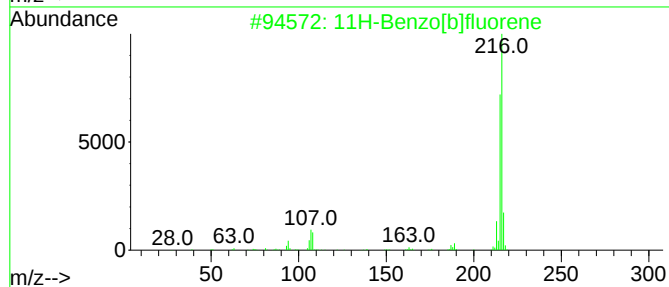
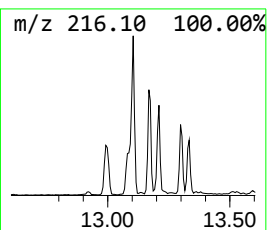
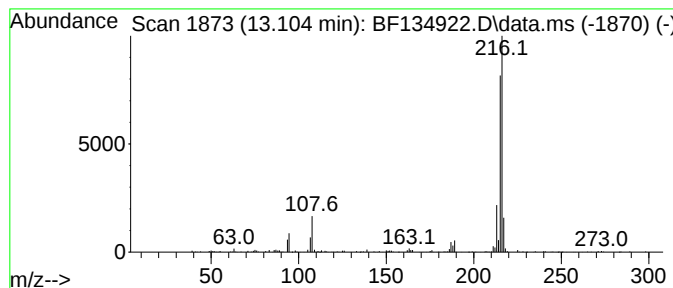
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 9

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.104 | 2.69 ng | 244833 | Chrysene-d12     | 13.980 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | 11H-Benzo[b]fluorene    | 216 | C17H12  | 000243-17-4 | 91   |
| 2    |    |   | 11H-Benzo[a]fluorene    | 216 | C17H12  | 000238-84-6 | 90   |
| 3    |    |   | Pyrene, 1-methyl-       | 216 | C17H12  | 002381-21-7 | 90   |
| 4    |    |   | Fluoranthene, 2-methyl- | 216 | C17H12  | 033543-31-6 | 83   |
| 5    |    |   | Pyrene, 2-methyl-       | 216 | C17H12  | 003442-78-2 | 76   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082423\  
Data File : BF134922.D  
Acq On : 24 Aug 2023 14:05  
Operator : CG\JU  
Sample : 04082-07  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
217

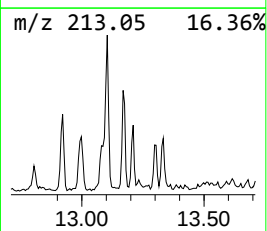
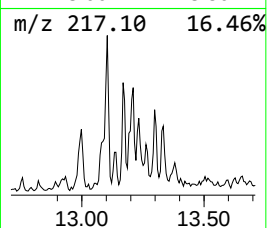
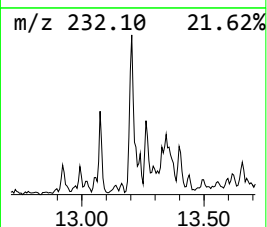
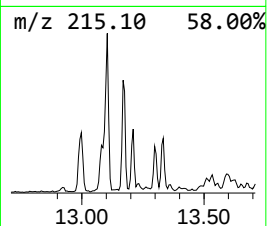
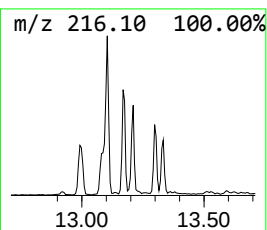
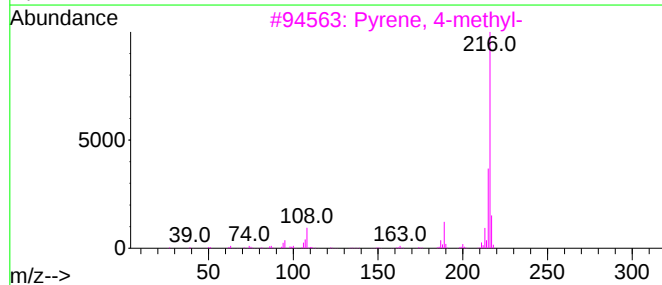
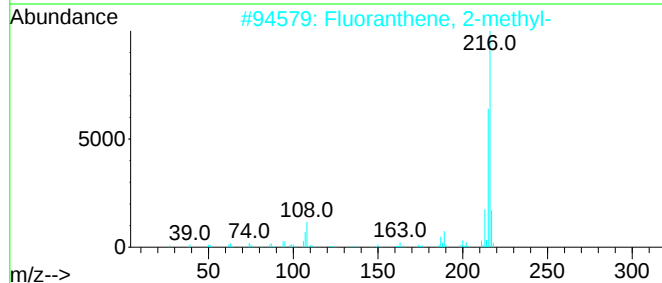
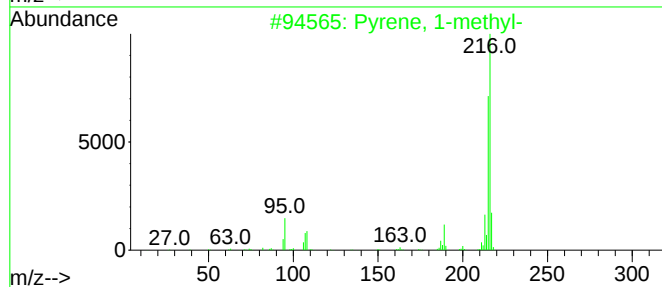
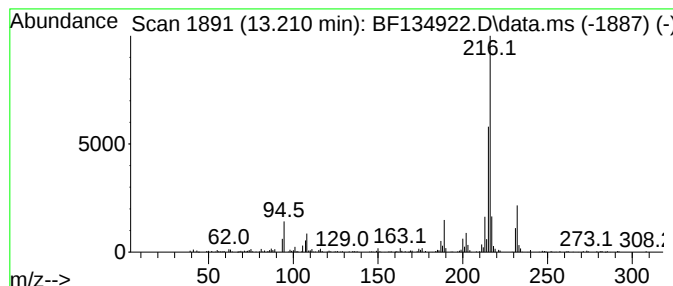
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 12 Fluoranthene, 2-methyl- Concentration Rank 16

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.210 | 2.09 ng | 190113 | Chrysene-d12     | 13.980 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Pyrene, 1-methyl-       | 216 | C17H12  | 002381-21-7 | 96   |
| 2    |    |   | Fluoranthene, 2-methyl- | 216 | C17H12  | 033543-31-6 | 95   |
| 3    |    |   | Pyrene, 4-methyl-       | 216 | C17H12  | 003353-12-6 | 92   |
| 4    |    |   | Pyrene, 2-methyl-       | 216 | C17H12  | 003442-78-2 | 89   |
| 5    |    |   | 11H-Benzo[a]fluorene    | 216 | C17H12  | 000238-84-6 | 76   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082423\  
Data File : BF134922.D  
Acq On : 24 Aug 2023 14:05  
Operator : CG\JU  
Sample : 04082-07  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
217

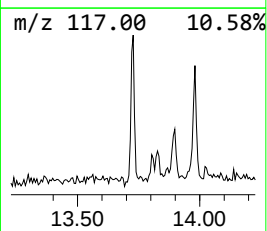
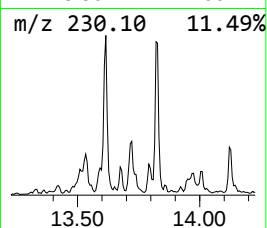
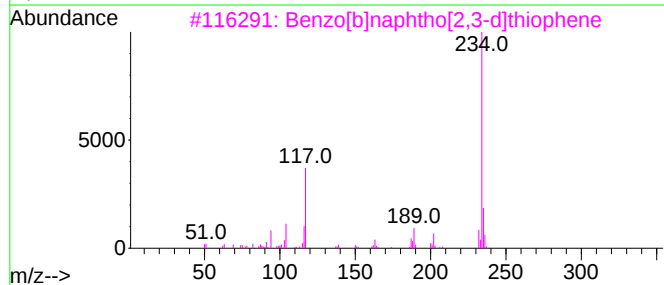
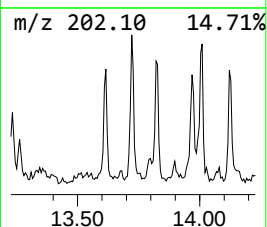
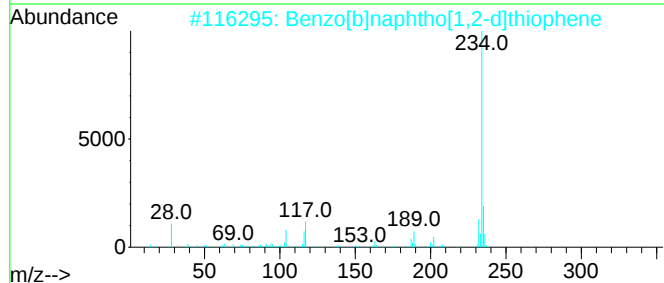
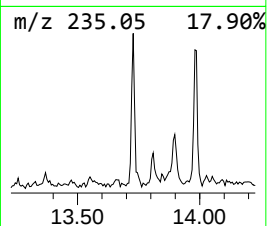
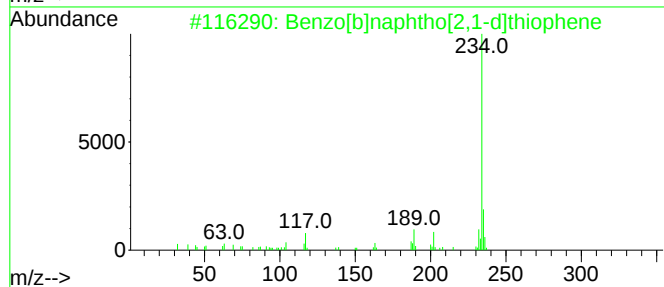
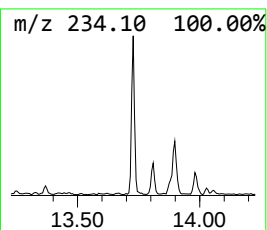
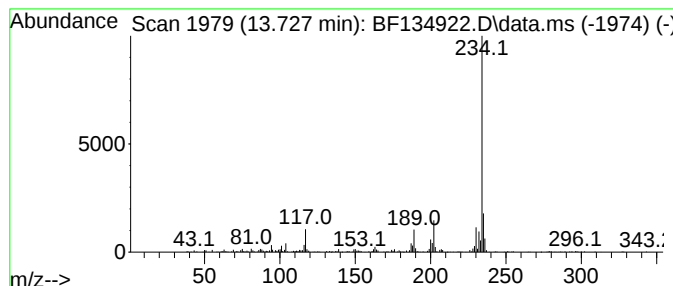
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 13 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 7

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.727 | 2.71 ng | 246612 | Chrysene-d12     | 13.980 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|------------|-------------|------|
| 1    |    |   | Benzo[b]naphtho[2,1-d]thiophene     | 234 | C16H10S    | 000239-35-0 | 94   |
| 2    |    |   | Benzo[b]naphtho[1,2-d]thiophene     | 234 | C16H10S    | 000205-43-6 | 90   |
| 3    |    |   | Benzo[b]naphtho[2,3-d]thiophene     | 234 | C16H10S    | 000243-46-9 | 87   |
| 4    |    |   | Anthra(2,3-b)thiophene              | 234 | C16H10S    | 022108-55-0 | 80   |
| 5    |    |   | 1,9,12-Trioxa-4,6-diazacyclotetr... | 234 | C9H18N2O3S | 075491-64-4 | 60   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082423\  
Data File : BF134922.D  
Acq On : 24 Aug 2023 14:05  
Operator : CG\JU  
Sample : 04082-07  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
217

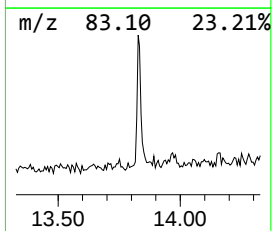
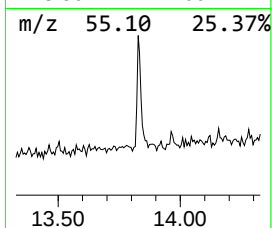
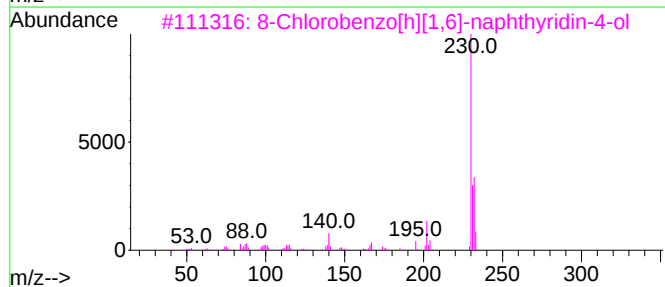
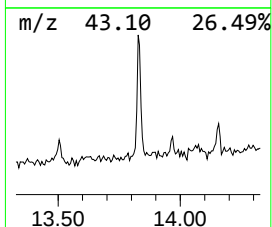
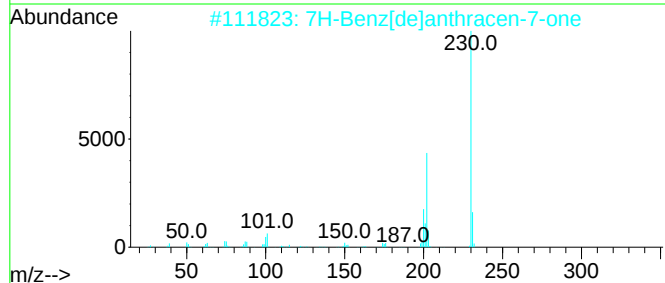
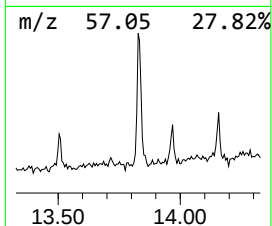
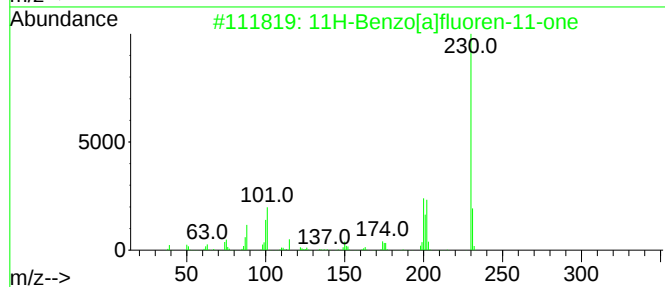
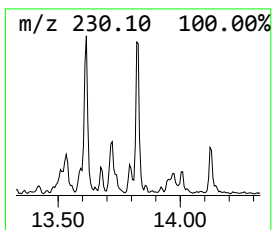
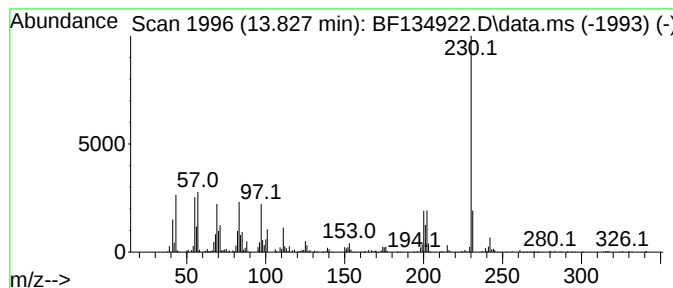
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 14 11H-Benzo[a]fluoren-11-one Concentration Rank 5

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.827 | 3.35 ng | 304780 | Chrysene-d12     | 13.980 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | 11H-Benzo[a]fluoren-11-one          | 230 | C17H10O    | 000479-79-8  | 86   |
| 2    |    |   | 7H-Benz[de]anthracen-7-one          | 230 | C17H10O    | 000082-05-3  | 78   |
| 3    |    |   | 8-Chlorobenzo[h][1,6]-naphthyrid... | 230 | C12H7ClN2O | 025100-26-9  | 43   |
| 4    |    |   | 8-Hydroxyquinoline-5-carbaldehyd... | 245 | C13H15N2Si | 1010463-63-7 | 43   |
| 5    |    |   | p-Terphenyl                         | 230 | C18H14     | 000092-94-4  | 38   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082423\  
Data File : BF134922.D  
Acq On : 24 Aug 2023 14:05  
Operator : CG\JU  
Sample : 04082-07  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
217

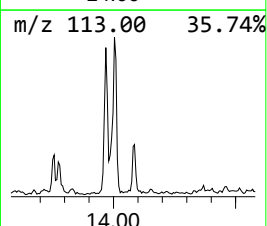
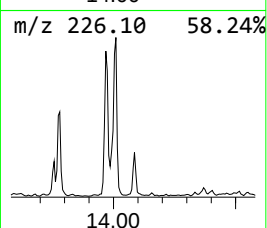
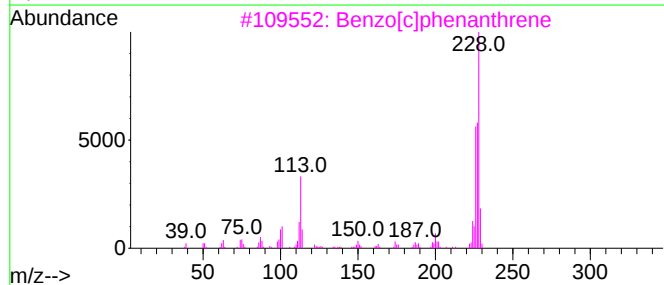
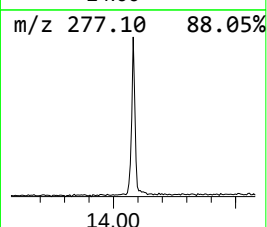
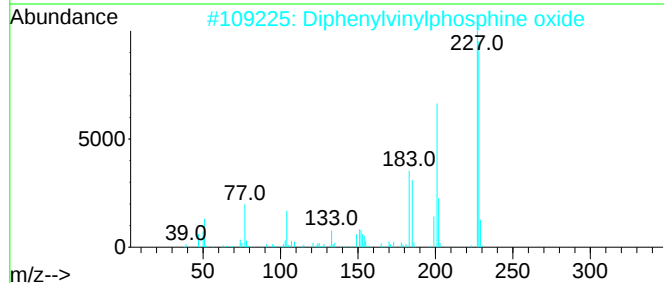
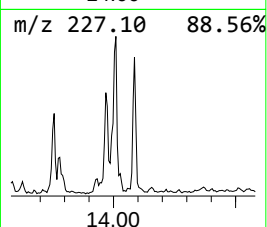
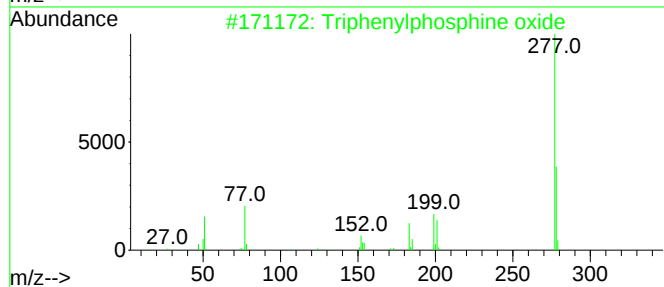
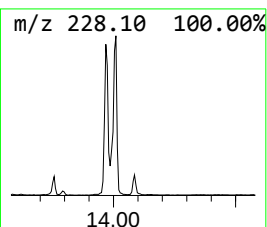
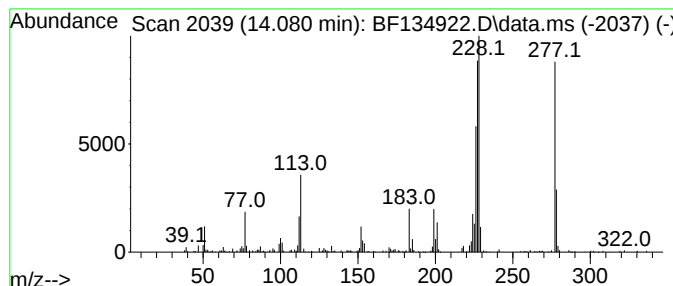
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 15 Triphenylphosphine oxide Concentration Rank 11

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 14.080 | 2.43 ng | 221349 | Chrysene-d12     | 13.980 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Triphenylphosphine oxide            | 278 | C18H15OP | 000791-28-6 | 92   |
| 2    |    |   | Diphenylvinylphosphine oxide        | 228 | C14H13OP | 002096-78-8 | 38   |
| 3    |    |   | Benzo[c]phenanthrene                | 228 | C18H12   | 000195-19-7 | 25   |
| 4    |    |   | Cyclopenta(cd)pyrene, 3,4-dihydro-  | 228 | C18H12   | 025732-74-5 | 14   |
| 5    |    |   | 1,3,5-Triazine-2(1H)-thione, 4-(... | 227 | C9H17N5S | 023613-02-7 | 14   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082423\  
Data File : BF134922.D  
Acq On : 24 Aug 2023 14:05  
Operator : CG\JU  
Sample : 04082-07  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
217

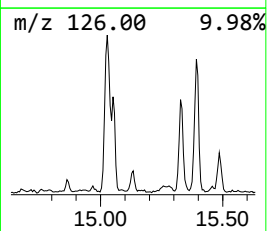
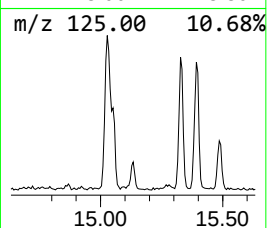
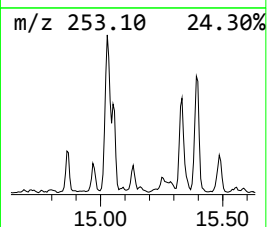
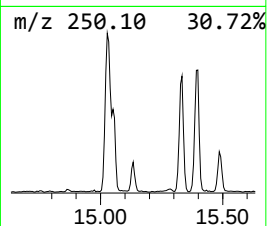
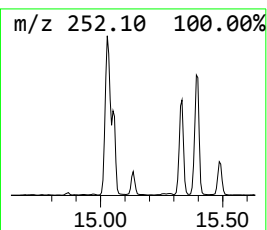
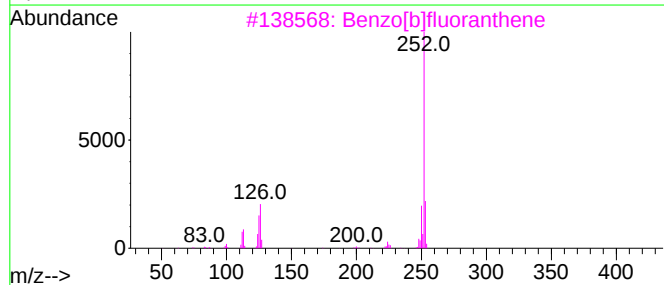
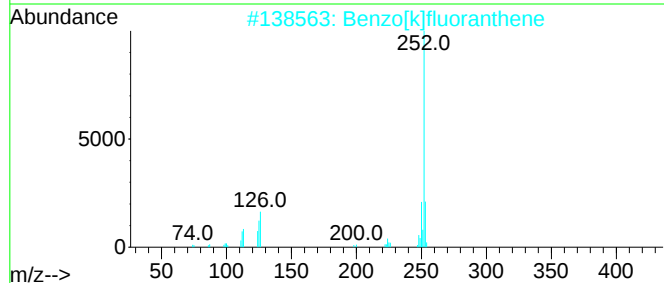
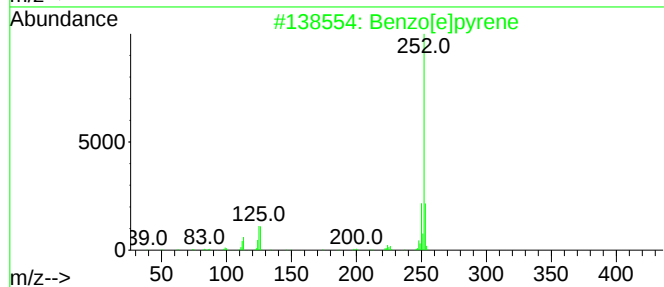
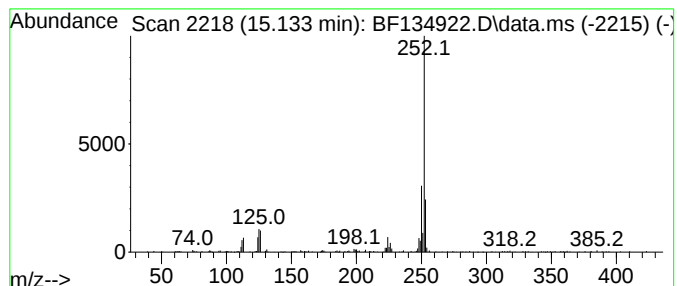
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF082223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 16 Benzo[e]pyrene Concentration Rank 4

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 15.133 | 3.68 ng | 137470 | Perylene-d12     | 15.457 |

| Hit# | of 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|------|----------------------|-----|---------|-------------|------|
| 1    |      | Benzo[e]pyrene       | 252 | C20H12  | 000192-97-2 | 96   |
| 2    |      | Benzo[k]fluoranthene | 252 | C20H12  | 000207-08-9 | 95   |
| 3    |      | Benzo[b]fluoranthene | 252 | C20H12  | 000205-99-2 | 91   |
| 4    |      | Benzo[a]pyrene       | 252 | C20H12  | 000050-32-8 | 90   |
| 5    |      | Benzo[j]fluoranthene | 252 | C20H12  | 000205-82-3 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082423\  
Data File : BF134922.D  
Acq On : 24 Aug 2023 14:05  
Operator : CG\JU  
Sample : 04082-07  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
217

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF082223.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 |
| 5H-Indeno[1,2-b... | 11.557 | 2.4     | ng    | 101098   | 4                     | 11.322 | 839218  | 20.0 |
| Phenanthrene, 2... | 11.828 | 3.2     | ng    | 134872   | 4                     | 11.322 | 839218  | 20.0 |
| Anthracene, 2-m... | 11.857 | 9.8     | ng    | 412966   | 4                     | 11.322 | 839218  | 20.0 |
| 4H-Cyclopenta[d... | 11.939 | 5.7     | ng    | 240384   | 4                     | 11.322 | 839218  | 20.0 |
| 5,16[1',2']:8,1... | 12.128 | 2.3     | ng    | 95447    | 4                     | 11.322 | 839218  | 20.0 |
| 9,10-Anthracene... | 12.151 | 2.5     | ng    | 104162   | 4                     | 11.322 | 839218  | 20.0 |
| 9,10-Dimethylan... | 12.380 | 2.7     | ng    | 113580   | 4                     | 11.322 | 839218  | 20.0 |
| Cyclopenta(def)... | 12.463 | 2.3     | ng    | 97373    | 4                     | 11.322 | 839218  | 20.0 |
| Octadecanoic acid  | 12.651 | 2.3     | ng    | 95683    | 4                     | 11.322 | 839218  | 20.0 |
| Pyrene, 1-methyl-  | 12.992 | 2.0     | ng    | 184766   | 5                     | 13.980 | 1822030 | 20.0 |
| 11H-Benzo[b]flu... | 13.104 | 2.7     | ng    | 244833   | 5                     | 13.980 | 1822030 | 20.0 |
| Fluoranthene, 2... | 13.210 | 2.1     | ng    | 190113   | 5                     | 13.980 | 1822030 | 20.0 |
| Benzo[b]naphtho... | 13.727 | 2.7     | ng    | 246612   | 5                     | 13.980 | 1822030 | 20.0 |
| 11H-Benzo[a]flu... | 13.827 | 3.4     | ng    | 304780   | 5                     | 13.980 | 1822030 | 20.0 |
| Triphenylphosph... | 14.080 | 2.4     | ng    | 221349   | 5                     | 13.980 | 1822030 | 20.0 |
| Benzo[e]pyrene     | 15.133 | 3.7     | ng    | 137470   | 6                     | 15.457 | 746338  | 20.0 |