

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052225\  
 Data File : BF142525.D  
 Acq On : 22 May 2025 22:20  
 Operator : RC/JU  
 Sample : Q2095-01 5X  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WCS-TP1

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-BF052025.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142525.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         | 5.099       | 487           | 494         | 501          | rBV      | 21466          | 29903         | 2.27%           | 0.201%        |
| 2         | 5.504       | 557           | 563         | 577          | rVB      | 225276         | 295573        | 22.47%          | 1.982%        |
| 3         | 6.510       | 729           | 734         | 748          | rBV      | 215108         | 283088        | 21.52%          | 1.899%        |
| 4         | 6.898       | 795           | 800         | 805          | rBV      | 407689         | 496411        | 37.73%          | 3.329%        |
| 5         | 7.451       | 889           | 894         | 899          | rBV      | 117301         | 153928        | 11.70%          | 1.032%        |
| 6         | 8.181       | 1013          | 1018        | 1026         | rBV      | 450509         | 555909        | 42.25%          | 3.728%        |
| 7         | 8.992       | 1152          | 1156        | 1161         | rVB      | 27757          | 33419         | 2.54%           | 0.224%        |
| 8         | 9.251       | 1195          | 1200        | 1210         | rBV      | 221478         | 274094        | 20.83%          | 1.838%        |
| 9         | 9.522       | 1240          | 1246        | 1250         | rBV      | 29655          | 45913         | 3.49%           | 0.308%        |
| 10        | 9.592       | 1254          | 1258        | 1261         | rVV      | 55846          | 77753         | 5.91%           | 0.521%        |
| 11        | 9.622       | 1261          | 1263        | 1266         | rVV      | 29329          | 30948         | 2.35%           | 0.208%        |
| 12        | 9.710       | 1274          | 1278        | 1287         | rVB      | 28228          | 44278         | 3.37%           | 0.297%        |
| 13        | 9.798       | 1287          | 1293        | 1300         | rBV      | 70857          | 92908         | 7.06%           | 0.623%        |
| 14        | 9.934       | 1308          | 1316        | 1320         | rBV      | 428703         | 562240        | 42.74%          | 3.771%        |
| 15        | 9.969       | 1320          | 1322        | 1326         | rVV      | 46399          | 50396         | 3.83%           | 0.338%        |
| 16        | 10.039      | 1330          | 1334        | 1338         | rBV2     | 14323          | 20993         | 1.60%           | 0.141%        |
| 17        | 10.139      | 1345          | 1351        | 1354         | rBV      | 41530          | 56212         | 4.27%           | 0.377%        |
| 18        | 10.175      | 1354          | 1357        | 1361         | rVB      | 29849          | 35563         | 2.70%           | 0.239%        |
| 19        | 10.251      | 1365          | 1370        | 1373         | rBV2     | 30966          | 46019         | 3.50%           | 0.309%        |
| 20        | 10.281      | 1373          | 1375        | 1380         | rVB      | 22837          | 24577         | 1.87%           | 0.165%        |
| 21        | 10.339      | 1380          | 1385        | 1391         | rBV2     | 23201          | 54478         | 4.14%           | 0.365%        |
| 22        | 10.434      | 1396          | 1401        | 1405         | rBV5     | 11777          | 19488         | 1.48%           | 0.131%        |
| 23        | 10.481      | 1405          | 1409        | 1415         | rVB      | 117736         | 162681        | 12.37%          | 1.091%        |
| 24        | 10.545      | 1415          | 1420        | 1423         | rBV2     | 20836          | 41400         | 3.15%           | 0.278%        |
| 25        | 10.645      | 1431          | 1437        | 1444         | rVB      | 52748          | 86296         | 6.56%           | 0.579%        |
| 26        | 10.722      | 1444          | 1450        | 1455         | rVV      | 157079         | 206572        | 15.70%          | 1.385%        |
| 27        | 10.845      | 1466          | 1471        | 1477         | rVB2     | 21803          | 32392         | 2.46%           | 0.217%        |
| 28        | 11.028      | 1496          | 1502        | 1505         | rBV2     | 63156          | 102869        | 7.82%           | 0.690%        |
| 29        | 11.057      | 1505          | 1507        | 1511         | rVB      | 38069          | 43166         | 3.28%           | 0.290%        |
| 30        | 11.116      | 1513          | 1517        | 1520         | rVB      | 32378          | 39193         | 2.98%           | 0.263%        |
| 31        | 11.163      | 1520          | 1525        | 1526         | rBV3     | 15870          | 24093         | 1.83%           | 0.162%        |
| 32        | 11.228      | 1533          | 1536        | 1540         | rVV3     | 15190          | 19752         | 1.50%           | 0.132%        |
| 33        | 11.275      | 1540          | 1544        | 1548         | rVV3     | 17875          | 30946         | 2.35%           | 0.208%        |
| 34        | 11.322      | 1548          | 1552        | 1558         | rVB      | 76089          | 99733         | 7.58%           | 0.669%        |
| 35        | 11.428      | 1564          | 1570        | 1571         | rBV      | 460490         | 597929        | 45.45%          | 4.010%        |
| 36        | 11.451      | 1571          | 1574        | 1578         | rVV      | 803746         | 993120        | 75.49%          | 6.661%        |

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 Sample : Q2095-01 5X  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WCS-TP1

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-BF052025.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |         |         |        |
|----|--------|------|------|------|------|--------|---------|---------|--------|
| 37 | 11.498 | 1578 | 1582 | 1586 | rVV  | 151362 | 190063  | 14.45%  | 1.275% |
| 38 | 11.533 | 1586 | 1588 | 1591 | rVB  | 28066  | 30591   | 2.33%   | 0.205% |
| 39 | 11.657 | 1605 | 1609 | 1616 | rBV3 | 28858  | 50328   | 3.83%   | 0.338% |
| 40 | 11.722 | 1616 | 1620 | 1622 | rVV  | 25783  | 34187   | 2.60%   | 0.229% |
| 41 | 11.757 | 1622 | 1626 | 1630 | rVB2 | 58855  | 78396   | 5.96%   | 0.526% |
| 42 | 11.839 | 1636 | 1640 | 1644 | rVB  | 42131  | 55693   | 4.23%   | 0.374% |
| 43 | 11.881 | 1644 | 1647 | 1650 | rBV2 | 11809  | 16310   | 1.24%   | 0.109% |
| 44 | 11.928 | 1650 | 1655 | 1657 | rBV  | 208390 | 279854  | 21.27%  | 1.877% |
| 45 | 11.951 | 1657 | 1659 | 1664 | rVB  | 242683 | 299771  | 22.79%  | 2.011% |
| 46 | 12.004 | 1664 | 1668 | 1670 | rBV  | 70887  | 96730   | 7.35%   | 0.649% |
| 47 | 12.039 | 1670 | 1674 | 1682 | rVB2 | 338062 | 652645  | 49.61%  | 4.377% |
| 48 | 12.128 | 1682 | 1689 | 1691 | rBV6 | 16450  | 35837   | 2.72%   | 0.240% |
| 49 | 12.157 | 1691 | 1694 | 1697 | rVB3 | 22124  | 24993   | 1.90%   | 0.168% |
| 50 | 12.222 | 1698 | 1705 | 1715 | rBV3 | 104074 | 209374  | 15.91%  | 1.404% |
| 51 | 12.369 | 1724 | 1730 | 1733 | rBV2 | 45462  | 81614   | 6.20%   | 0.547% |
| 52 | 12.404 | 1733 | 1736 | 1738 | rBV  | 35521  | 41711   | 3.17%   | 0.280% |
| 53 | 12.475 | 1743 | 1748 | 1751 | rBV  | 155397 | 226934  | 17.25%  | 1.522% |
| 54 | 12.510 | 1751 | 1754 | 1760 | rVV2 | 96275  | 178171  | 13.54%  | 1.195% |
| 55 | 12.563 | 1760 | 1763 | 1771 | rVB3 | 74045  | 139566  | 10.61%  | 0.936% |
| 56 | 12.639 | 1771 | 1776 | 1781 | rBV  | 935577 | 1162101 | 88.33%  | 7.794% |
| 57 | 12.704 | 1781 | 1787 | 1789 | rBV3 | 33419  | 66510   | 5.06%   | 0.446% |
| 58 | 12.733 | 1790 | 1792 | 1795 | rVB  | 24412  | 22092   | 1.68%   | 0.148% |
| 59 | 12.792 | 1799 | 1802 | 1808 | rVB2 | 47755  | 68038   | 5.17%   | 0.456% |
| 60 | 12.869 | 1808 | 1815 | 1821 | rBV  | 889697 | 1315618 | 100.00% | 8.824% |
| 61 | 12.922 | 1821 | 1824 | 1828 | rVB2 | 49451  | 64600   | 4.91%   | 0.433% |
| 62 | 13.010 | 1831 | 1839 | 1846 | rVB2 | 224120 | 410144  | 31.18%  | 2.751% |
| 63 | 13.086 | 1847 | 1852 | 1859 | rBV3 | 102418 | 197063  | 14.98%  | 1.322% |
| 64 | 13.192 | 1863 | 1870 | 1874 | rVB  | 182778 | 328183  | 24.95%  | 2.201% |
| 65 | 13.263 | 1878 | 1882 | 1885 | rVV  | 131094 | 166026  | 12.62%  | 1.114% |
| 66 | 13.298 | 1885 | 1888 | 1896 | rVB2 | 121503 | 176289  | 13.40%  | 1.182% |
| 67 | 13.392 | 1901 | 1904 | 1907 | rVV  | 77155  | 100789  | 7.66%   | 0.676% |
| 68 | 13.422 | 1907 | 1909 | 1913 | rVB  | 85930  | 98201   | 7.46%   | 0.659% |
| 69 | 13.816 | 1972 | 1976 | 1979 | rBV2 | 66670  | 111116  | 8.45%   | 0.745% |
| 70 | 14.063 | 2012 | 2018 | 2021 | rBV2 | 552564 | 942427  | 71.63%  | 6.321% |
| 71 | 15.121 | 2193 | 2198 | 2207 | rBV  | 198622 | 483707  | 36.77%  | 3.244% |
| 72 | 15.433 | 2247 | 2251 | 2256 | rVB  | 102549 | 159374  | 12.11%  | 1.069% |
| 73 | 15.492 | 2257 | 2261 | 2267 | rVB  | 158706 | 249328  | 18.95%  | 1.672% |
| 74 | 15.563 | 2268 | 2273 | 2277 | rBV  | 177678 | 301654  | 22.93%  | 2.023% |

Sum of corrected areas: 14910261

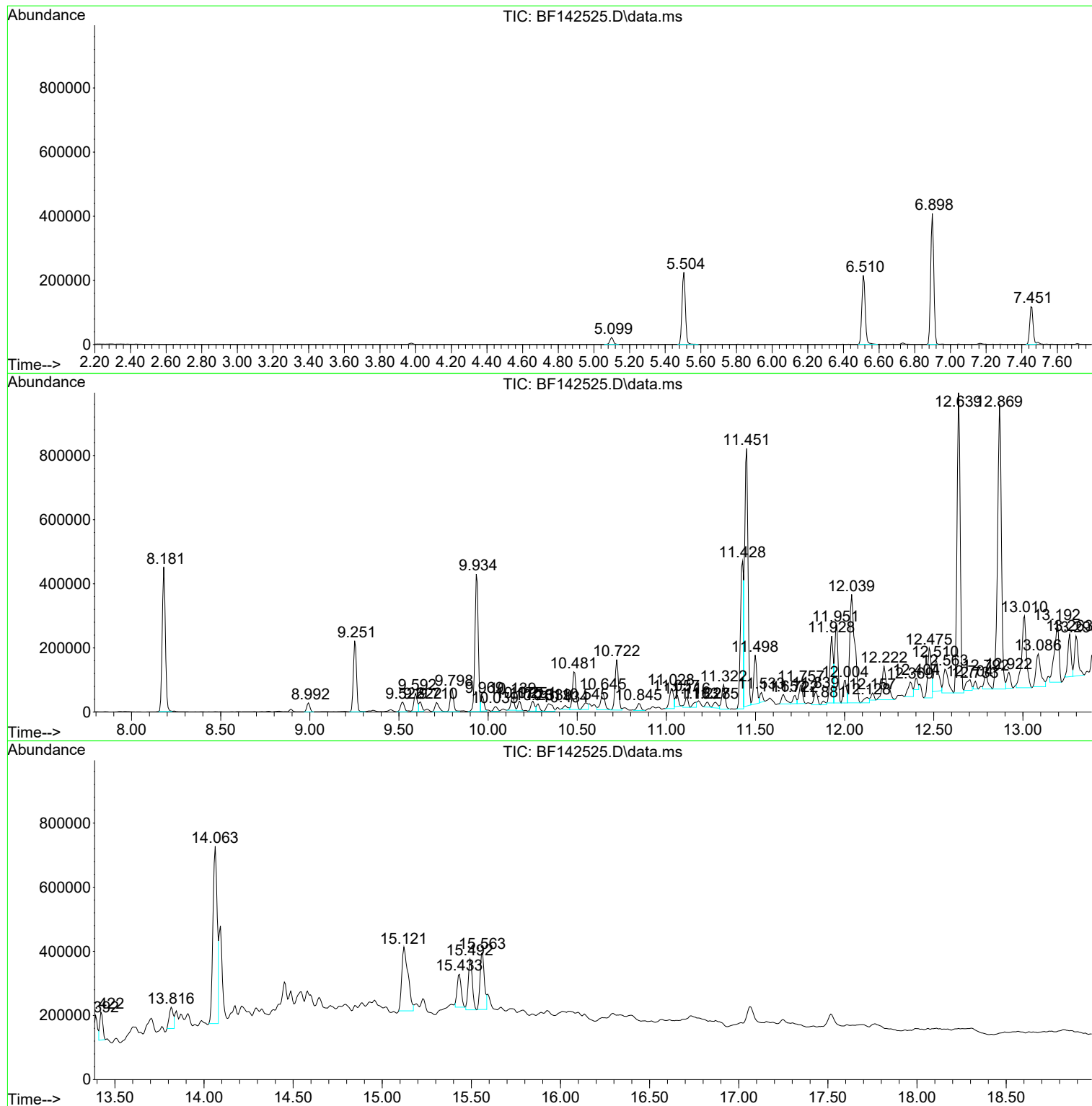
**Instrument :**  
BNA\_F  
**ClientSampleId :**  
WCS-TP1

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052225\  
Data File : BF142525.D  
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Operator : RC/JU  
Sample : Q2095-01 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WCS-TP1

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052025.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\BF052225\  
Data File : BF142525.D  
Acq On : 22 May 2025 22:20  
Operator : RC/JU  
Sample : Q2095-01 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WCS-TP1

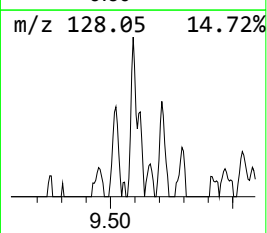
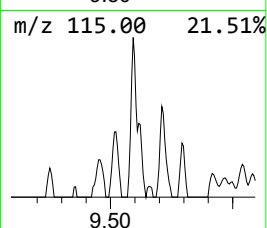
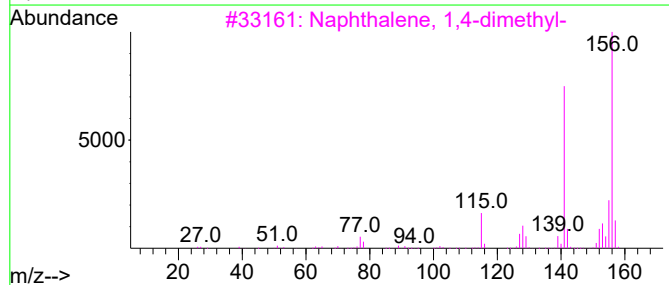
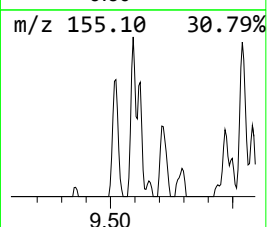
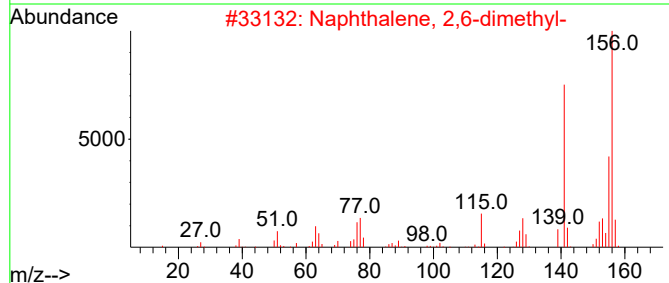
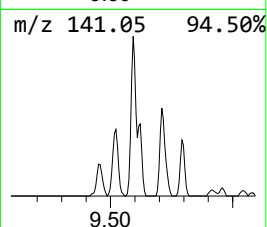
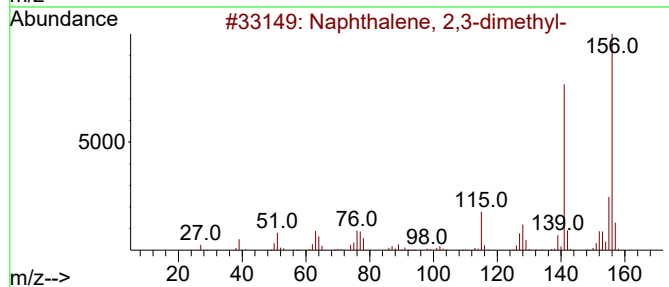
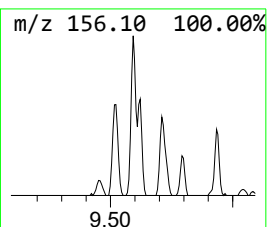
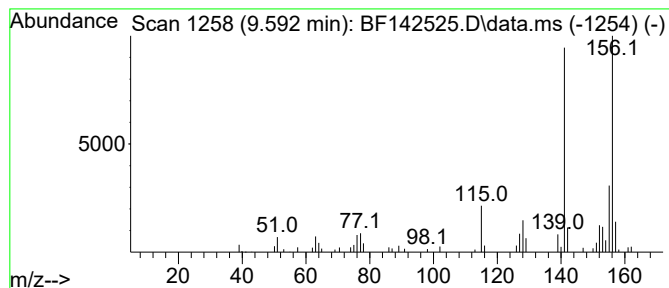
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Naphthalene, 2,3-dimethyl- Concentration Rank 17

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 9.592 | 2.77 ng | 77753 | Acenaphthene-d10 | 9.934 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 97   |
| 2    |    |   | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 97   |
| 3    |    |   | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 97   |
| 4    |    |   | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 97   |
| 5    |    |   | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 96   |



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Instrument :  
BNA\_F  
ClientSampleId :  
WCS-TP1

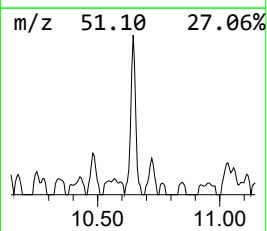
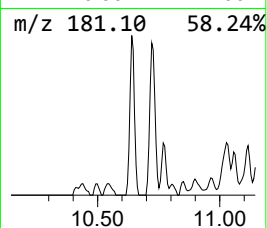
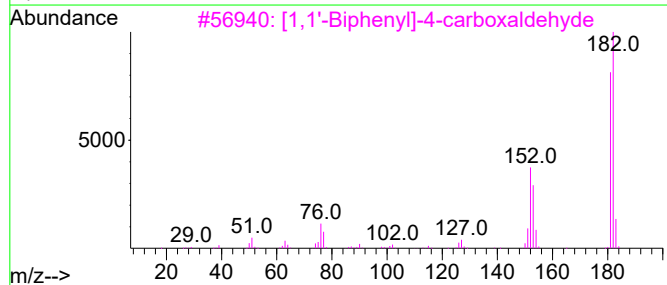
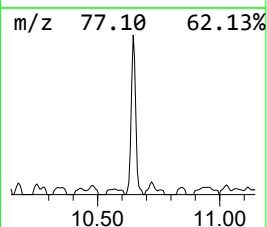
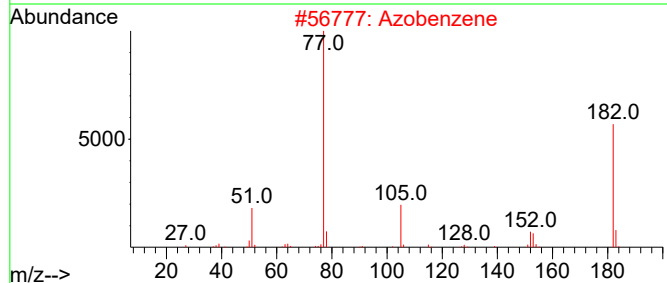
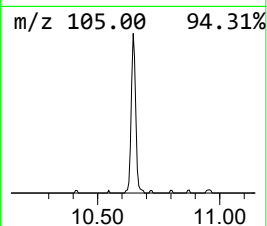
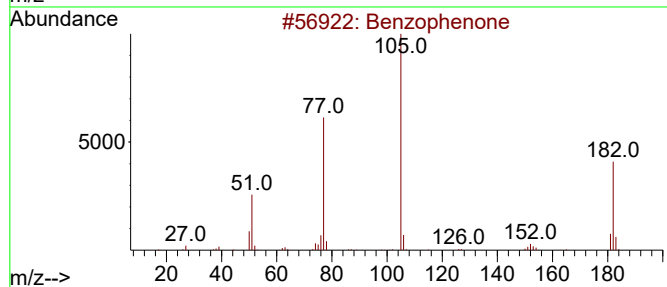
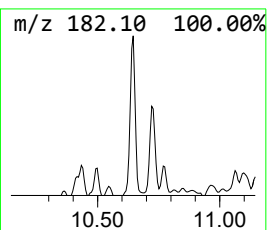
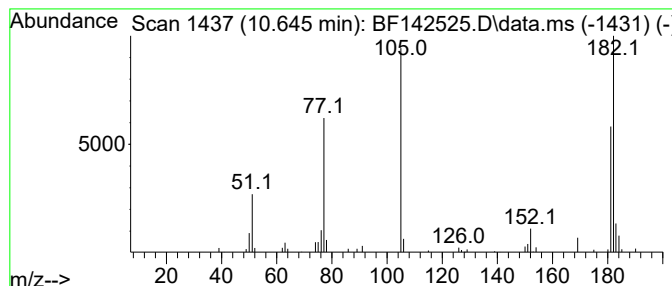
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 Benzophenone Concentration Rank 16

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.  |
|--------|---------|-------|------------------|-------|
| 10.645 | 3.07 ng | 86296 | Acenaphthene-d10 | 9.934 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm  | CAS#         | Qual |
|------|----|---|----------------------------------|-----|----------|--------------|------|
| 1    |    |   | Benzophenone                     | 182 | C13H10O  | 000119-61-9  | 81   |
| 2    |    |   | Azobenzene                       | 182 | C12H10N2 | 000103-33-3  | 50   |
| 3    |    |   | [1,1'-Biphenyl]-4-carboxaldehyde | 182 | C13H10O  | 003218-36-8  | 49   |
| 4    |    |   | 8-Methyl-5H-pyrido[4,3-b]indole  | 182 | C12H10N2 | 088894-13-7  | 49   |
| 5    |    |   | Norharmene, N-methyl-            | 182 | C12H10N2 | 1010374-78-6 | 43   |



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Instrument :  
BNA\_F  
ClientSampleId :  
WCS-TP1

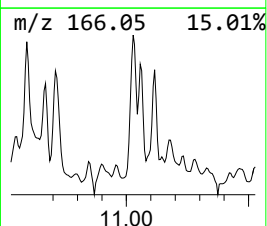
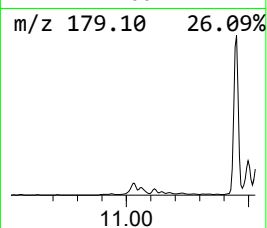
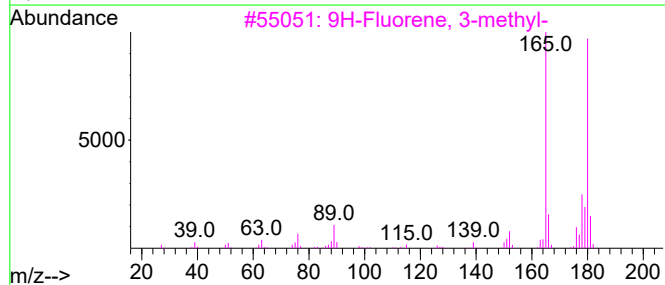
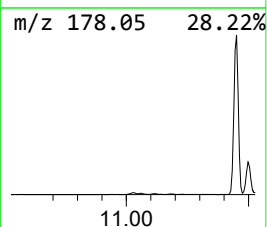
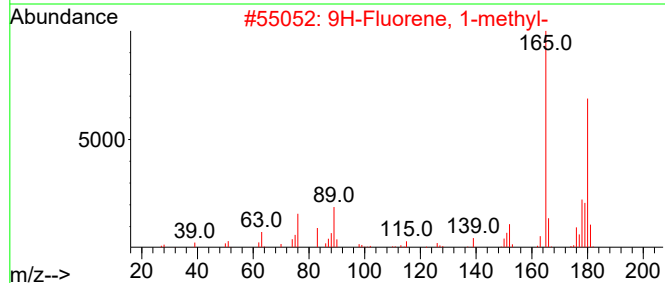
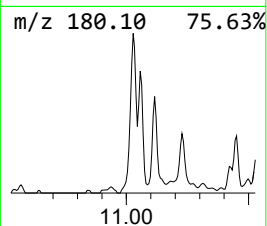
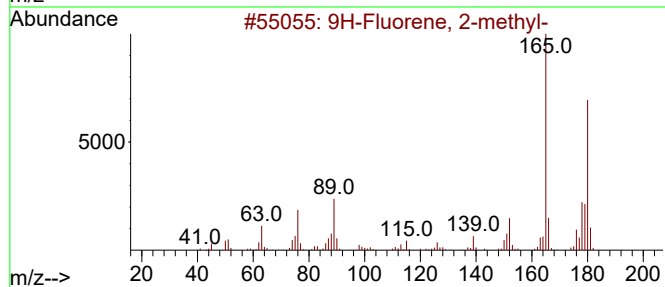
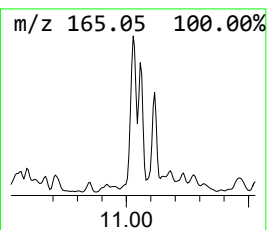
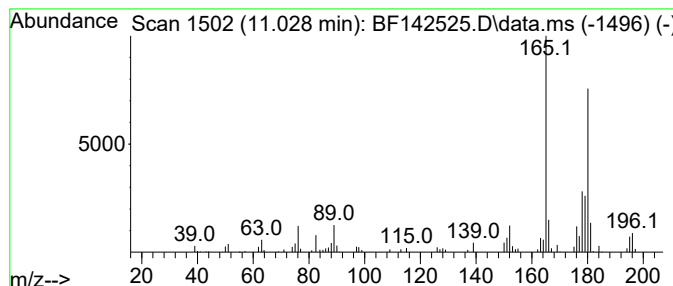
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 9H-Fluorene, 2-methyl- Concentration Rank 13

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.028 | 3.44 ng | 102869 | Phenanthrene-d10 | 11.428 |

| Hit# | of 5 | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|------|---------------------------|-----|---------|-------------|------|
| 1    |      | 9H-Fluorene, 2-methyl-    | 180 | C14H12  | 001430-97-3 | 97   |
| 2    |      | 9H-Fluorene, 1-methyl-    | 180 | C14H12  | 001730-37-6 | 96   |
| 3    |      | 9H-Fluorene, 3-methyl-    | 180 | C14H12  | 002523-39-9 | 93   |
| 4    |      | 4a,9a-Methano-9H-fluorene | 180 | C14H12  | 019540-84-2 | 89   |
| 5    |      | 9H-Fluorene, 9-methyl-    | 180 | C14H12  | 002523-37-7 | 83   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052225\  
Data File : BF142525.D  
Acq On : 22 May 2025 22:20  
Operator : RC/JU  
Sample : Q2095-01 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WCS-TP1

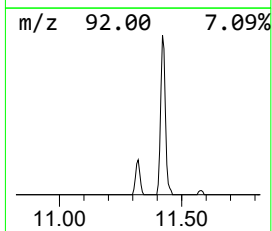
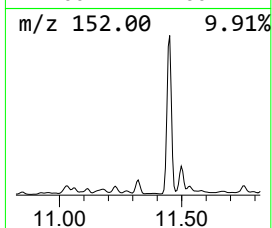
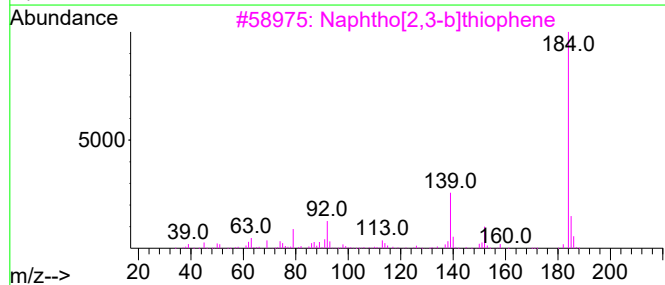
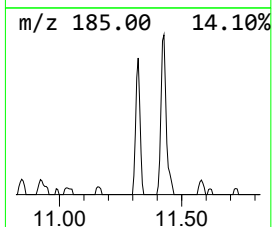
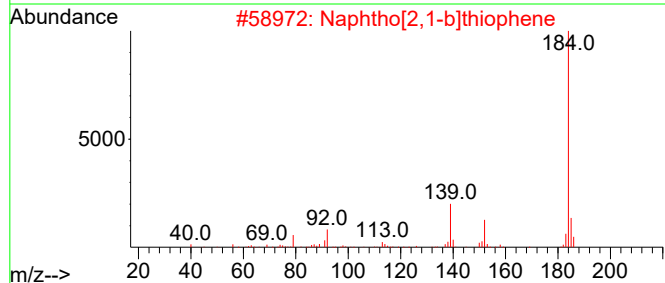
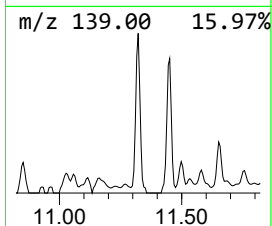
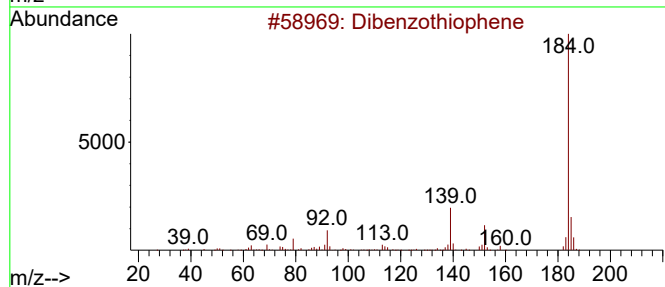
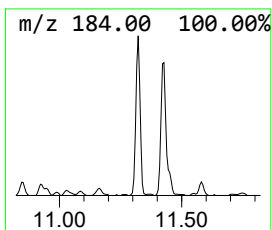
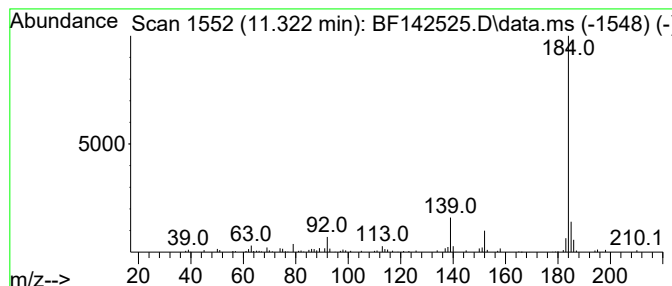
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 4 Dibenzothiophene Concentration Rank 14

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 11.322 | 3.34 ng | 99733 | Phenanthrene-d10 | 11.428 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------------|-----|---------|-------------|------|
| 1    |    |   | Dibenzothiophene                  | 184 | C12H8S  | 000132-65-0 | 97   |
| 2    |    |   | Naphtho[2,1-b]thiophene           | 184 | C12H8S  | 000233-02-3 | 96   |
| 3    |    |   | Naphtho[2,3-b]thiophene           | 184 | C12H8S  | 000268-77-9 | 93   |
| 4    |    |   | Azuleno(2,1-b)thiophene           | 184 | C12H8S  | 000248-13-5 | 91   |
| 5    |    |   | Naphthalene, 2-ethenyl-6-methoxy- | 184 | C13H12O | 063444-51-9 | 72   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052225\  
Data File : BF142525.D  
Acq On : 22 May 2025 22:20  
Operator : RC/JU  
Sample : Q2095-01 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WCS-TP1

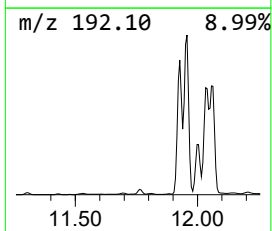
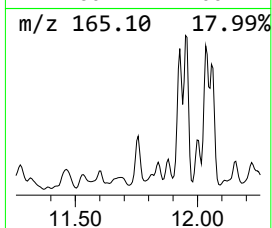
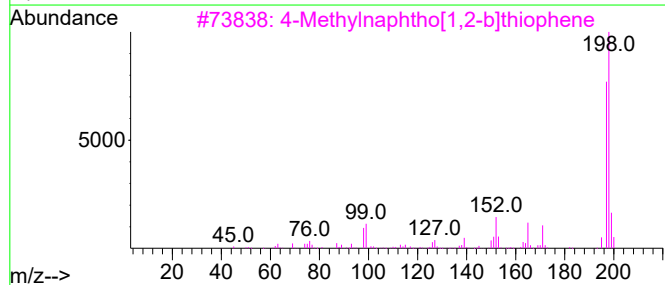
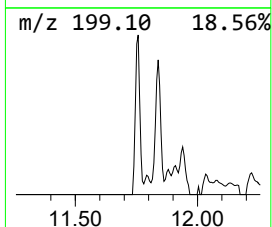
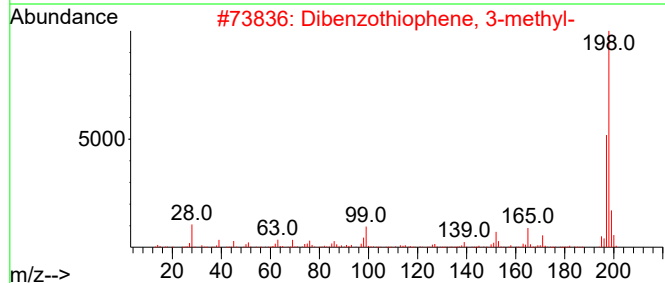
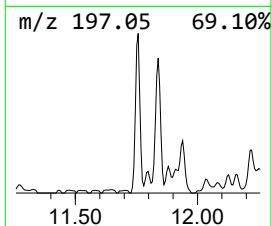
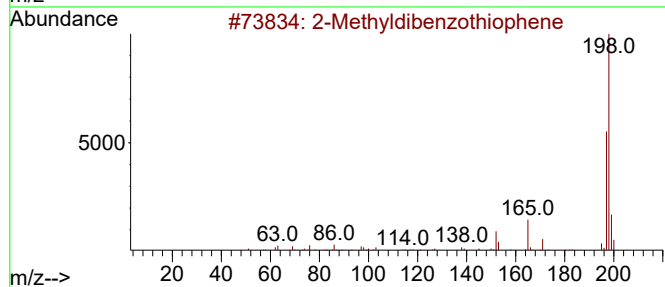
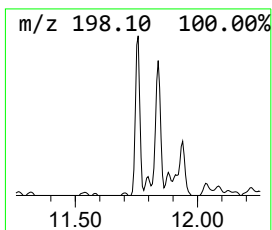
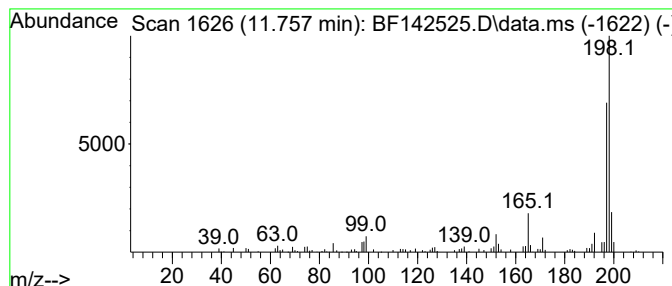
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 5 2-Methyldibenzothiophene Concentration Rank 19

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 11.757 | 2.62 ng | 78396 | Phenanthrene-d10 | 11.428 |

| Hit# | of | 5 | Tentative ID                    | MW  | MolForm | CAS#         | Qual |
|------|----|---|---------------------------------|-----|---------|--------------|------|
| 1    |    |   | 2-Methyldibenzothiophene        | 198 | C13H10S | 1000383-55-1 | 95   |
| 2    |    |   | Dibenzothiophene, 3-methyl-     | 198 | C13H10S | 016587-52-3  | 94   |
| 3    |    |   | 4-Methylnaphtho[1,2-b]thiophene | 198 | C13H10S | 067388-11-8  | 94   |
| 4    |    |   | Dibenzothiophene, 4-methyl-     | 198 | C13H10S | 007372-88-5  | 93   |
| 5    |    |   | 1-Methyldibenzothiophene        | 198 | C13H10S | 031317-07-4  | 93   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052225\  
Data File : BF142525.D  
Acq On : 22 May 2025 22:20  
Operator : RC/JU  
Sample : Q2095-01 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WCS-TP1

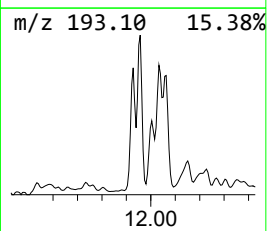
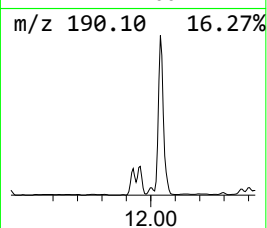
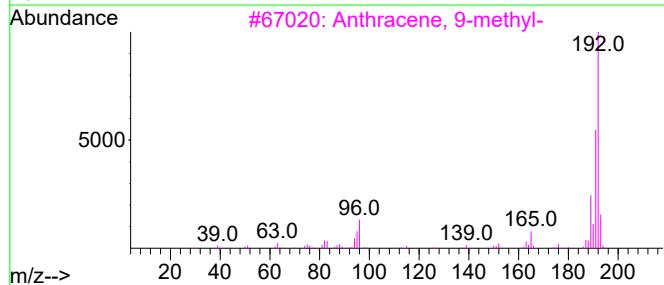
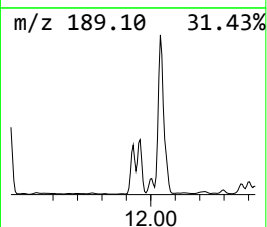
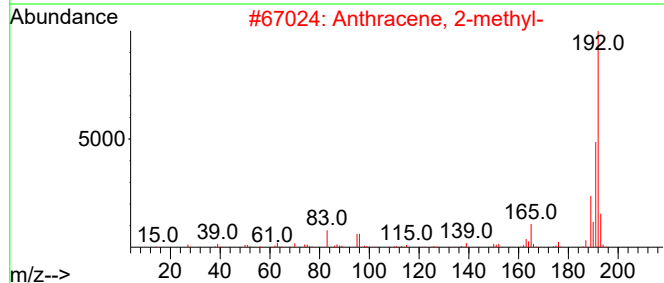
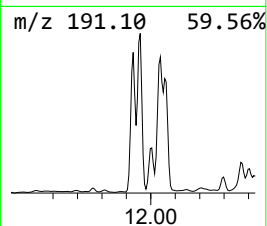
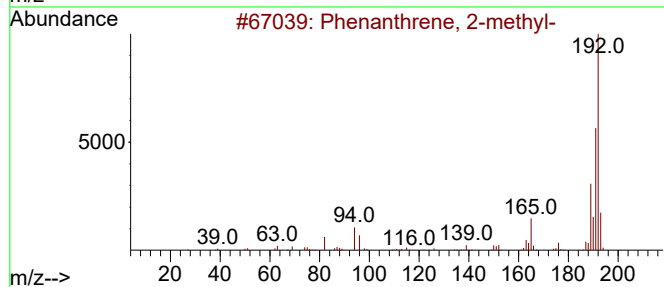
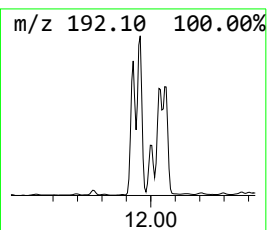
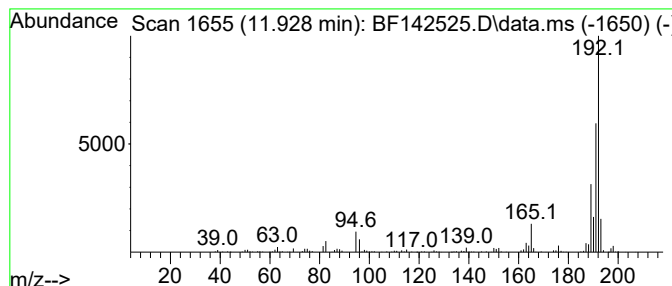
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 4

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.928 | 9.36 ng | 279854 | Phenanthrene-d10 | 11.428 |

| Hit# | of 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------|-----|---------|-------------|------|
| 1    |      | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 96   |
| 2    |      | Anthracene, 2-methyl-   | 192 | C15H12  | 000613-12-7 | 95   |
| 3    |      | Anthracene, 9-methyl-   | 192 | C15H12  | 000779-02-2 | 91   |
| 4    |      | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 90   |
| 5    |      | Anthracene, 1-methyl-   | 192 | C15H12  | 000610-48-0 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052225\  
Data File : BF142525.D  
Acq On : 22 May 2025 22:20  
Operator : RC/JU  
Sample : Q2095-01 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WCS-TP1

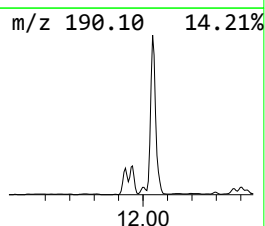
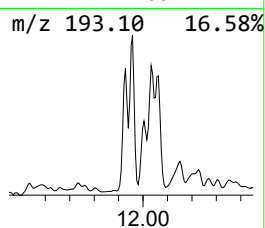
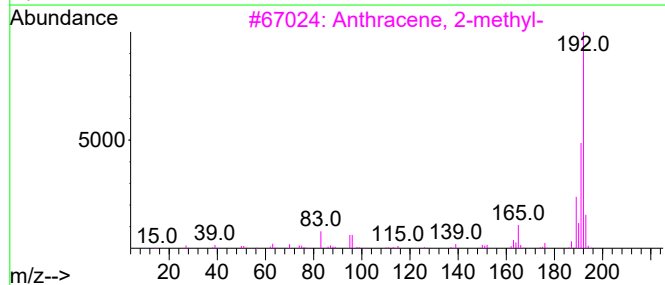
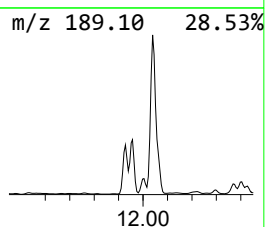
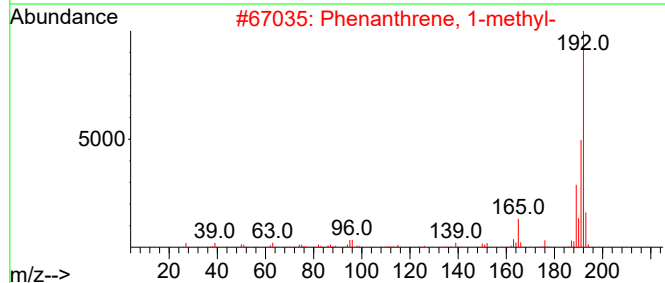
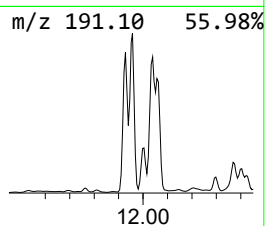
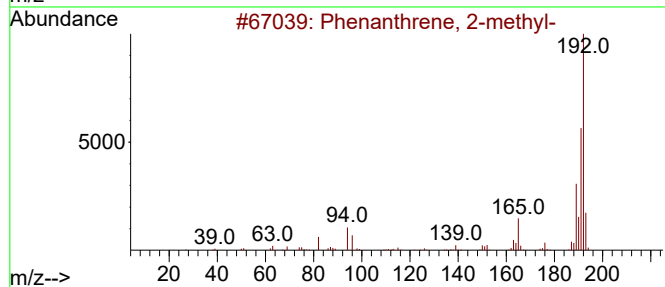
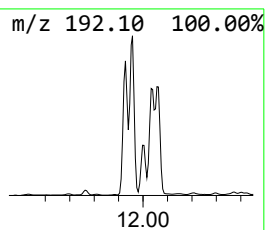
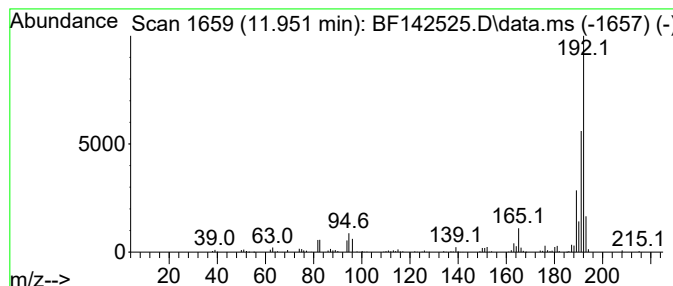
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 3

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 11.951 | 10.03 ng | 299771 | Phenanthrene-d10 | 11.428 |

| 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    |    |   | Anthracene, 2-methyl-   | 192 | C15H12  | 000613-12-7 | 96   |
| 4    |    |   | Anthracene, 1-methyl-   | 192 | C15H12  | 000610-48-0 | 95   |
| 5    |    |   | Anthracene, 9-methyl-   | 192 | C15H12  | 000779-02-2 | 94   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052225\  
Data File : BF142525.D  
Acq On : 22 May 2025 22:20  
Operator : RC/JU  
Sample : Q2095-01 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WCS-TP1

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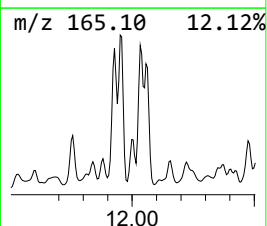
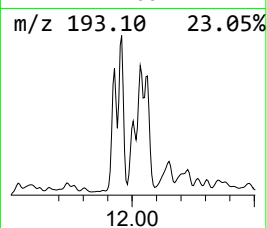
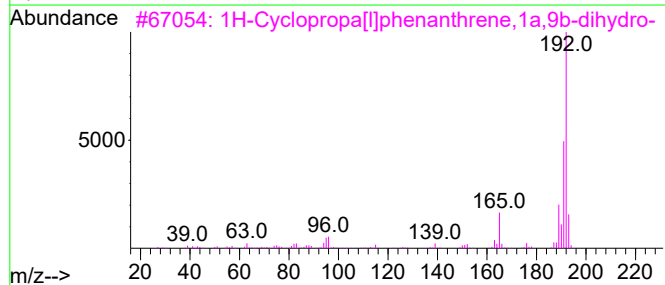
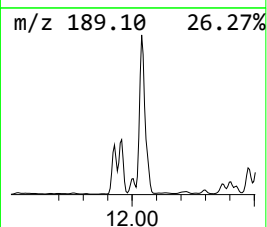
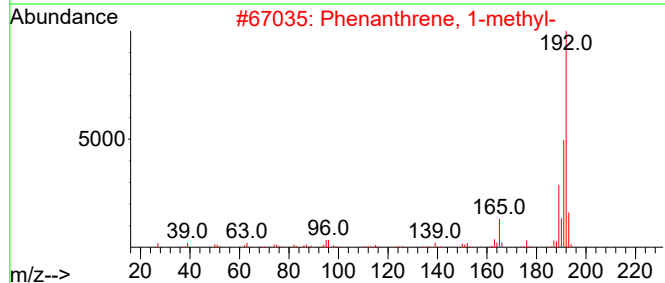
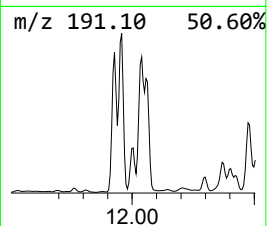
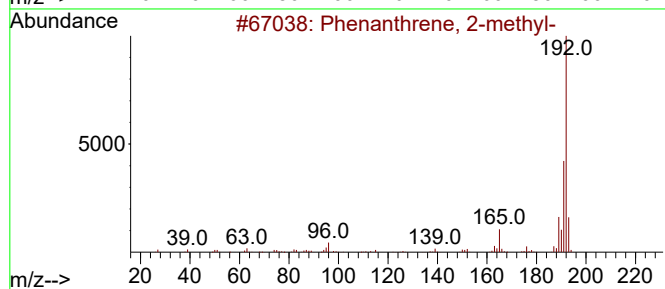
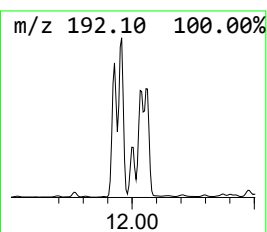
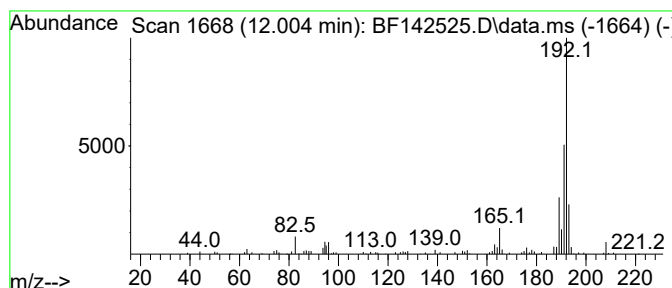
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TIC Integration Parameters: LSCINT.P

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Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 15

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 12.004 | 3.24 ng | 96730 | Phenanthrene-d10 | 11.428 |

| 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[l]phenanthrene,1a,... | 192 | C15H12  | 000949-41-7 | 96   |
| 4    |    |   | Anthracene, 1-methyl-               | 192 | C15H12  | 000610-48-0 | 95   |
| 5    |    |   | Anthracene, 2-methyl-               | 192 | C15H12  | 000613-12-7 | 94   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052225\  
Data File : BF142525.D  
Acq On : 22 May 2025 22:20  
Operator : RC/JU  
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Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WCS-TP1

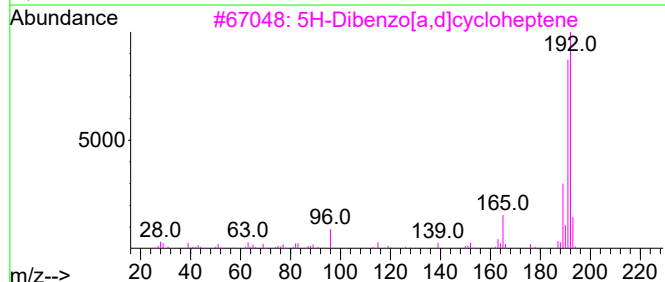
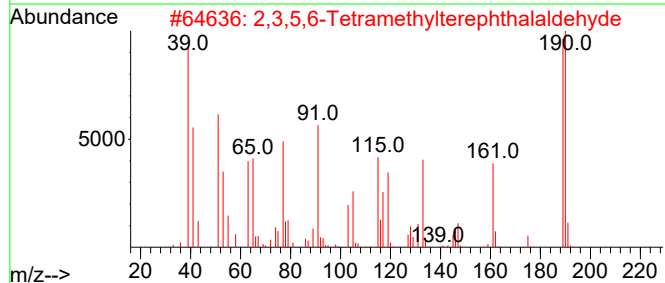
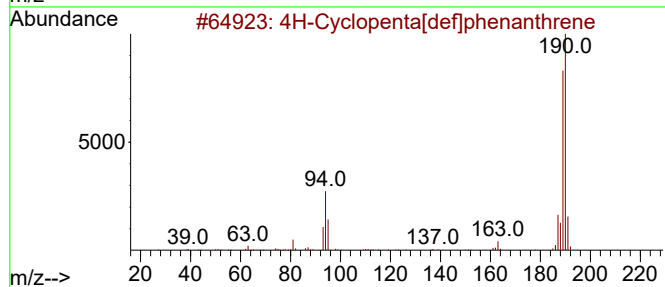
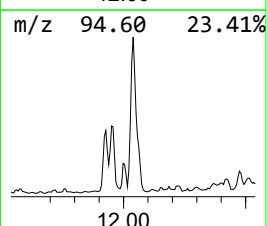
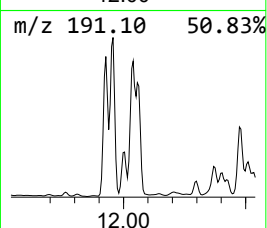
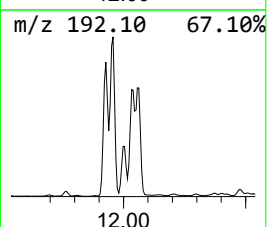
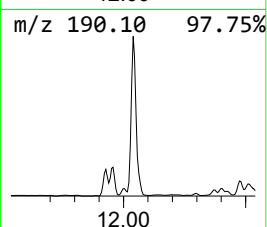
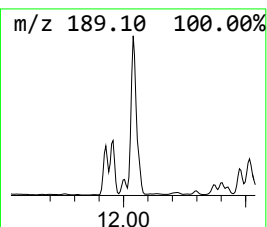
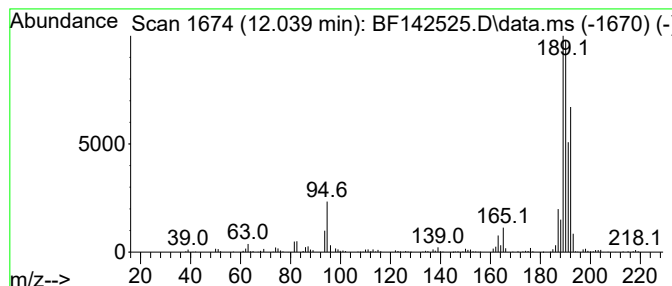
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 12.039    | 21.83 ng                            | 652645 | Phenanthrene-d10 | 11.428      |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | 4H-Cyclopenta[def]phenanthrene      | 190    | C15H10           | 000203-64-5 | 93   |
| 2         | 2,3,5,6-Tetramethylterephthalald... | 190    | C12H14O2         | 007072-01-7 | 43   |
| 3         | 5H-Dibenzo[a,d]cycloheptene         | 192    | C15H12           | 000256-81-5 | 25   |
| 4         | Benzene, 1,1'-(1,2-propadienyli...  | 192    | C15H12           | 014251-57-1 | 22   |
| 5         | Phenanthrene, 1-methyl-             | 192    | C15H12           | 000832-69-9 | 15   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052225\  
Data File : BF142525.D  
Acq On : 22 May 2025 22:20  
Operator : RC/JU  
Sample : Q2095-01 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WCS-TP1

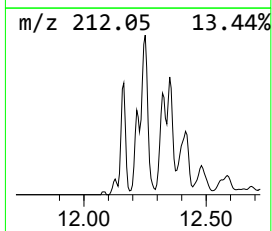
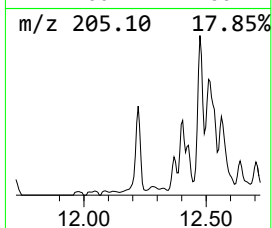
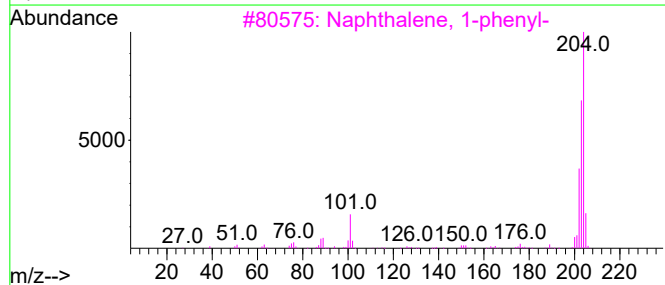
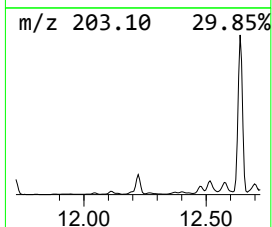
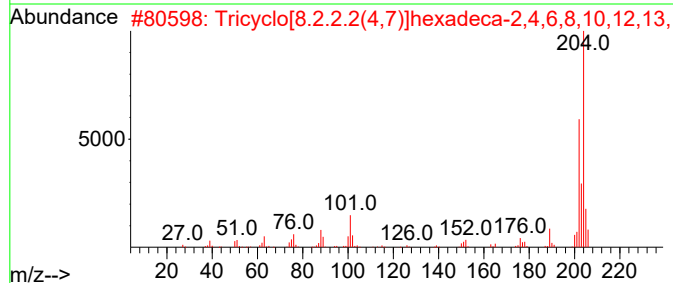
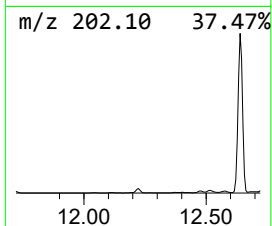
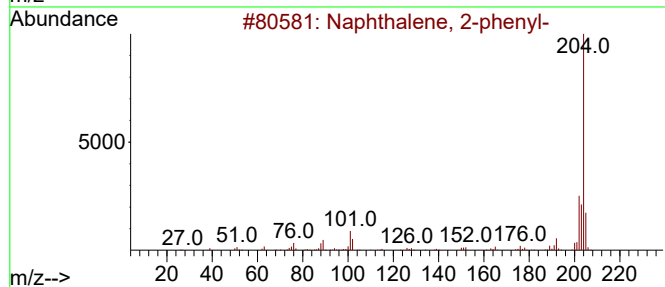
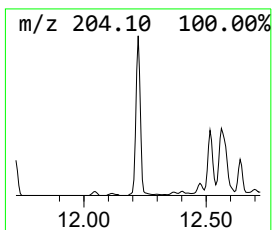
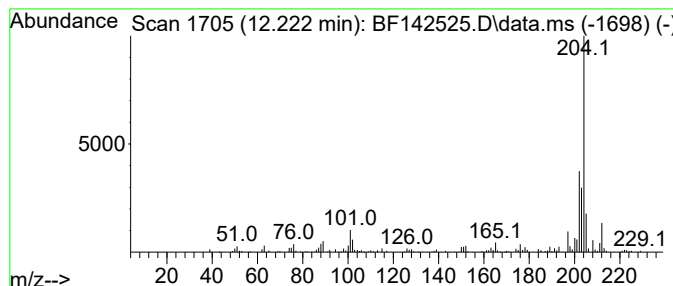
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 6

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 12.222 | 7.00 ng | 209374 | Phenanthrene-d10 | 11.428 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2-phenyl-               | 204 | C16H12  | 000612-94-2 | 96   |
| 2    |    |   | Tricyclo[8.2.2.2(4,7)]hexadeca-2...  | 204 | C16H12  | 006572-60-7 | 70   |
| 3    |    |   | Naphthalene, 1-phenyl-               | 204 | C16H12  | 000605-02-7 | 64   |
| 4    |    |   | 5,16[1',2'] :8,13[1'',2'']-Dibenz... | 408 | C32H24  | 005672-97-9 | 64   |
| 5    |    |   | Benzene, 1,1'-(1-buten-3-yne-1,4...  | 204 | C16H12  | 013141-45-2 | 55   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052225\  
Data File : BF142525.D  
Acq On : 22 May 2025 22:20  
Operator : RC/JU  
Sample : Q2095-01 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WCS-TP1

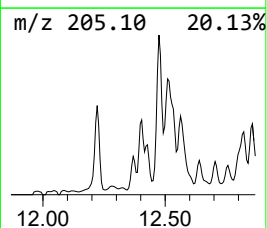
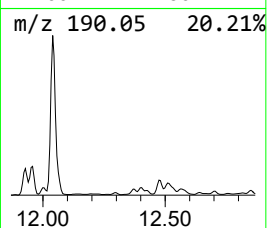
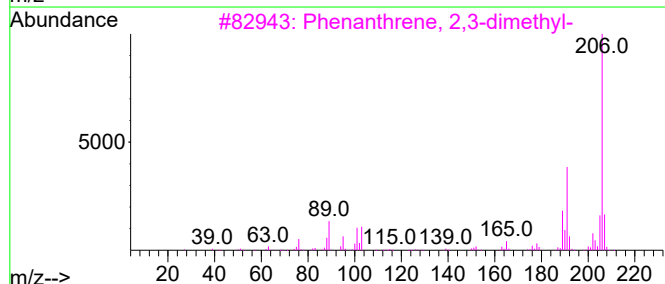
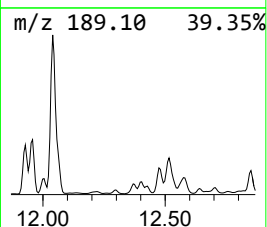
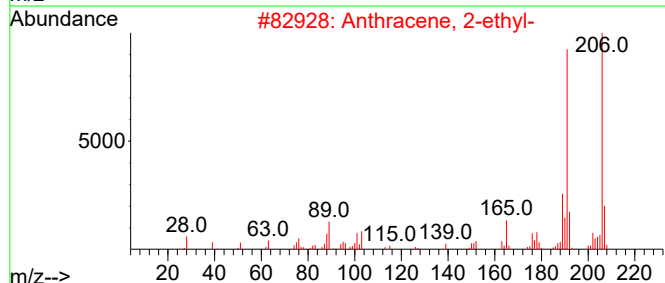
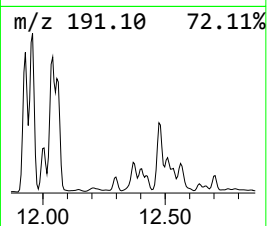
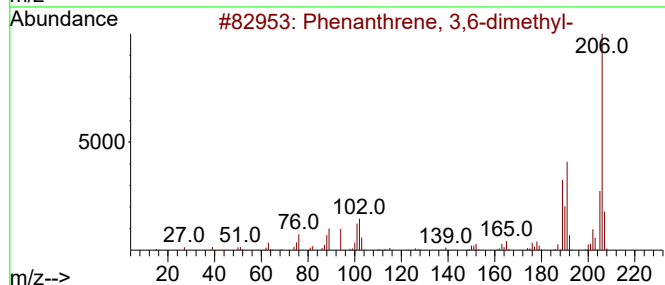
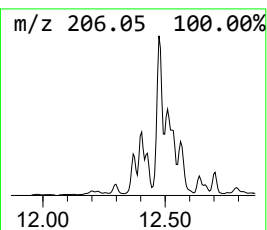
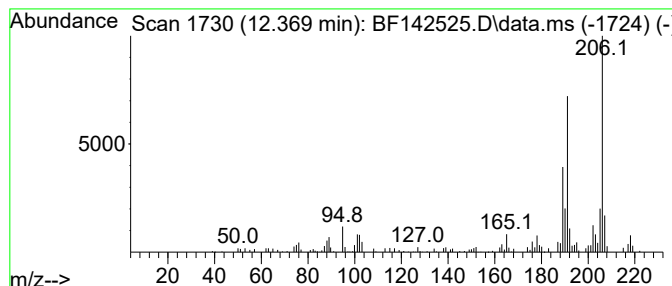
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 11 Phenanthrene, 3,6-dimethyl- Concentration Rank 18

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 12.369 | 2.73 ng | 81614 | Phenanthrene-d10 | 11.428 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#         | Qual |
|------|----|---|-----------------------------|-----|---------|--------------|------|
| 1    |    |   | Phenanthrene, 3,6-dimethyl- | 206 | C16H14  | 001576-67-6  | 94   |
| 2    |    |   | Anthracene, 2-ethyl-        | 206 | C16H14  | 052251-71-5  | 91   |
| 3    |    |   | Phenanthrene, 2,3-dimethyl- | 206 | C16H14  | 003674-65-5  | 90   |
| 4    |    |   | 3,4-Dimethylphenanthrene    | 206 | C16H14  | 1000452-24-5 | 87   |
| 5    |    |   | Phenanthrene, 4,5-dimethyl- | 206 | C16H14  | 003674-69-9  | 87   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052225\  
Data File : BF142525.D  
Acq On : 22 May 2025 22:20  
Operator : RC/JU  
Sample : Q2095-01 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WCS-TP1

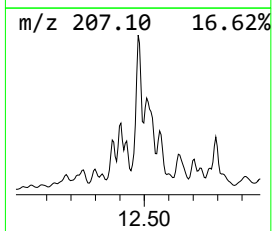
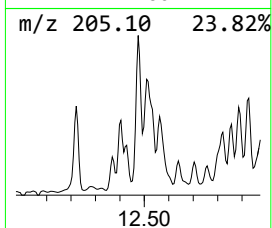
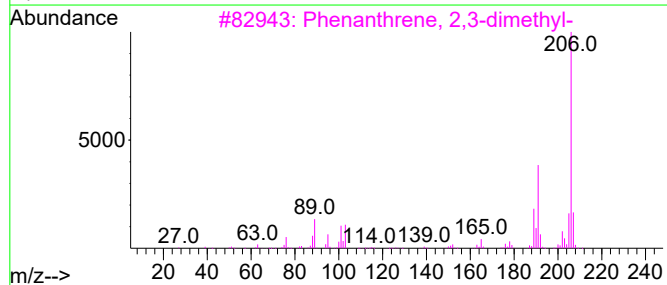
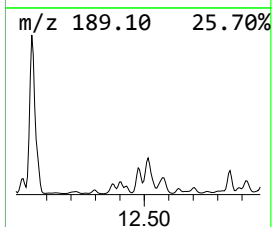
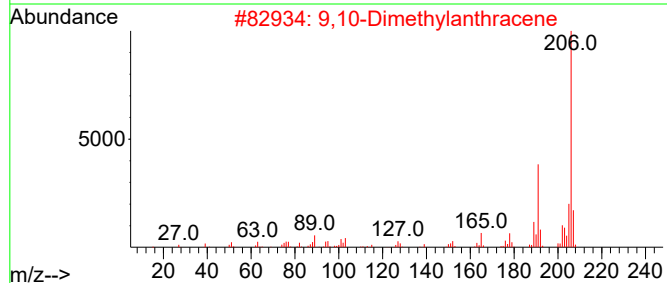
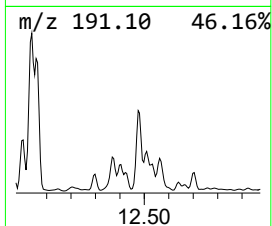
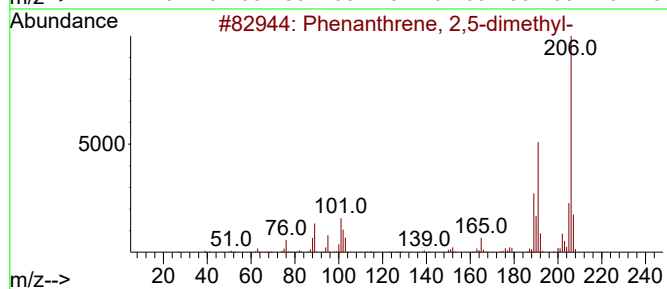
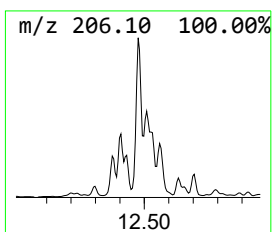
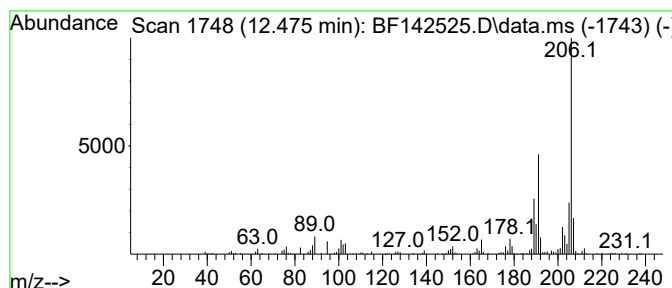
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 12.475 | 7.59 ng | 226934 | Phenanthrene-d10 | 11.428 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 2,5-dimethyl- | 206 | C16H14  | 003674-66-6 | 97   |
| 2    |    |   | 9,10-Dimethylanthracene     | 206 | C16H14  | 000781-43-1 | 96   |
| 3    |    |   | Phenanthrene, 2,3-dimethyl- | 206 | C16H14  | 003674-65-5 | 93   |
| 4    |    |   | di-p-Tolylacetylene         | 206 | C16H14  | 002789-88-0 | 91   |
| 5    |    |   | Phenanthrene, 1,7-dimethyl- | 206 | C16H14  | 000483-87-4 | 89   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052225\  
Data File : BF142525.D  
Acq On : 22 May 2025 22:20  
Operator : RC/JU  
Sample : Q2095-01 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WCS-TP1

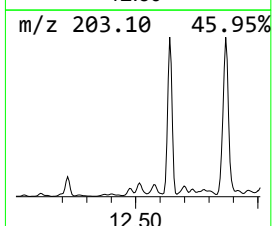
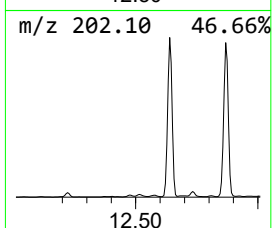
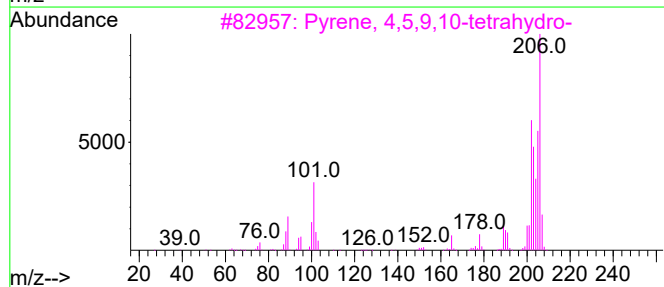
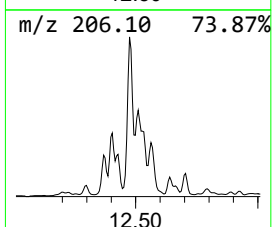
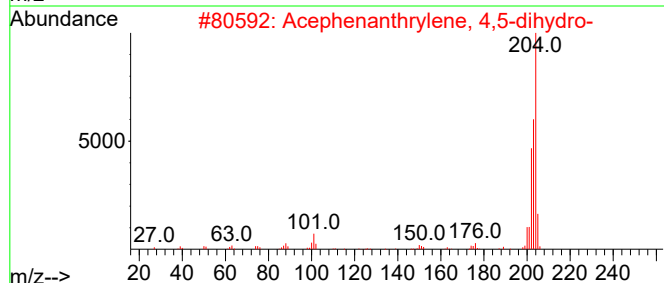
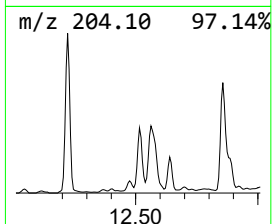
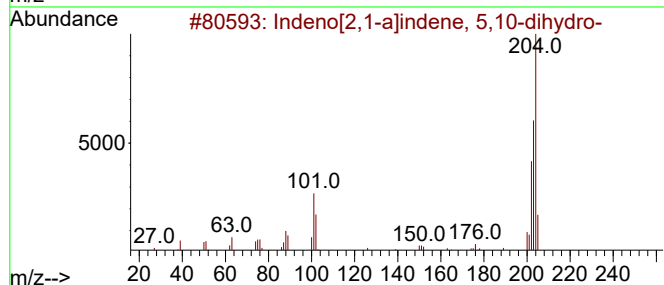
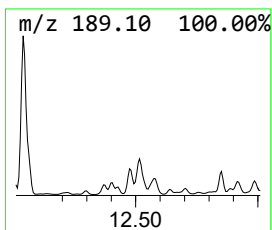
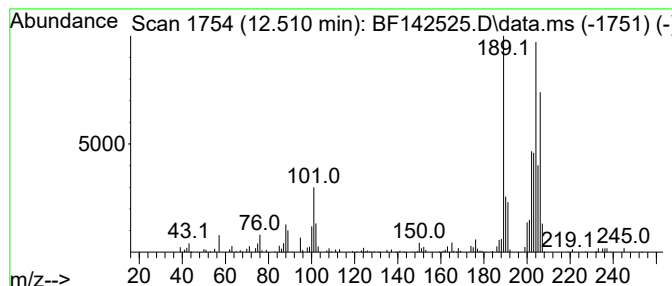
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 13 Indeno[2,1-a]indene, 5,10-d... Concentration Rank 8

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 12.510 | 5.96 ng | 178171 | Phenanthrene-d10 | 11.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Indeno[2,1-a]indene, 5,10-dihydro-  | 204 | C16H12  | 006543-29-9 | 70   |
| 2    |    |   | Acephenanthrylene, 4,5-dihydro-     | 204 | C16H12  | 006232-48-0 | 51   |
| 3    |    |   | Pyrene, 4,5,9,10-tetrahydro-        | 206 | C16H14  | 000781-17-9 | 38   |
| 4    |    |   | 2,5,5,8a-Tetramethyl-6,7,8,8a-te... | 204 | C14H20O | 124957-09-1 | 35   |
| 5    |    |   | Naphthalene, 2-phenyl-              | 204 | C16H12  | 000612-94-2 | 35   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052225\  
Data File : BF142525.D  
Acq On : 22 May 2025 22:20  
Operator : RC/JU  
Sample : Q2095-01 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WCS-TP1

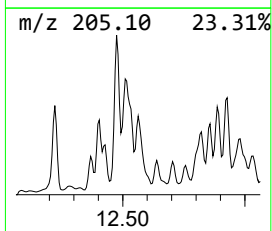
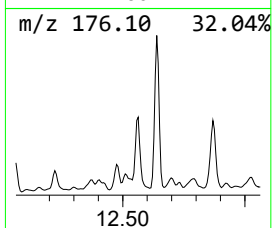
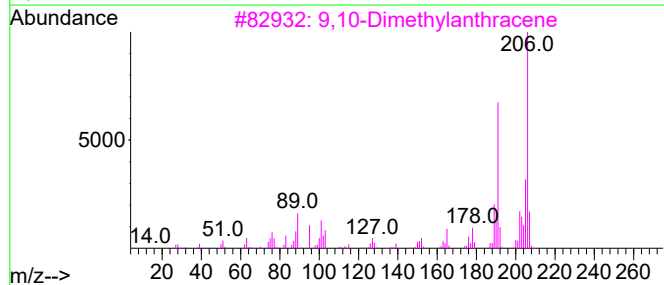
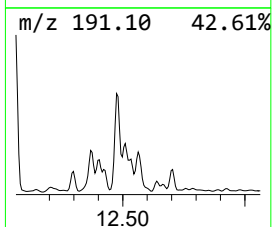
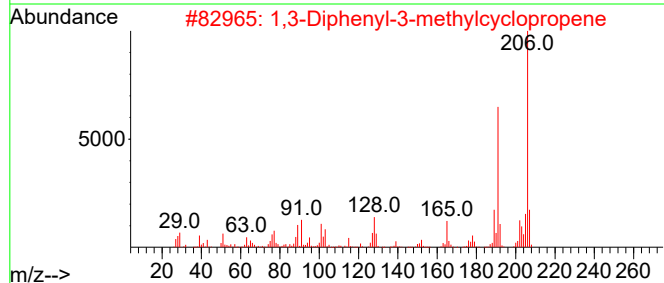
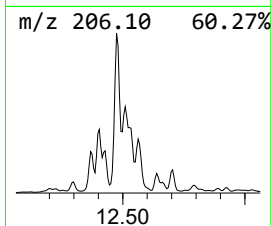
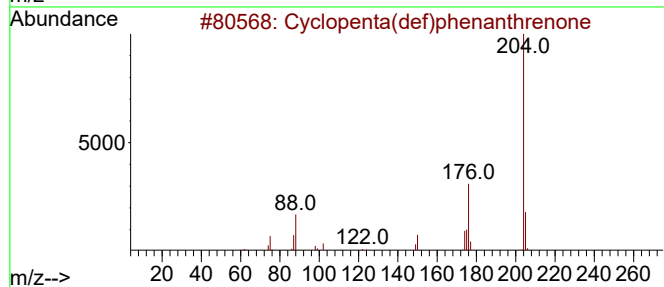
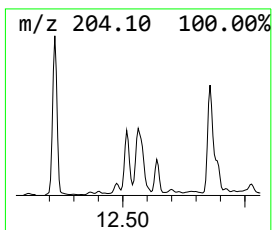
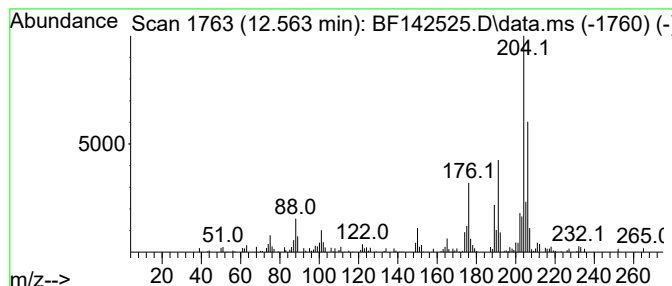
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 9

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 12.563 | 4.67 ng | 139566 | Phenanthrene-d10 | 11.428 |

| Hit# | of 5 | Tentative ID                      | MW  | MolForm | CAS#         | Qual |
|------|------|-----------------------------------|-----|---------|--------------|------|
| 1    |      | Cyclopenta(def)phenanthrenone     | 204 | C15H8O  | 005737-13-3  | 86   |
| 2    |      | 1,3-Diphenyl-3-methylcyclopropene | 206 | C16H14  | 086544-79-8  | 83   |
| 3    |      | 9,10-Dimethylantracene            | 206 | C16H14  | 000781-43-1  | 64   |
| 4    |      | Phenanthrene, 2,3-dimethyl-       | 206 | C16H14  | 003674-65-5  | 50   |
| 5    |      | 3,4-Dimethylphenanthrene          | 206 | C16H14  | 1000452-24-5 | 49   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052225\  
Data File : BF142525.D  
Acq On : 22 May 2025 22:20  
Operator : RC/JU  
Sample : Q2095-01 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

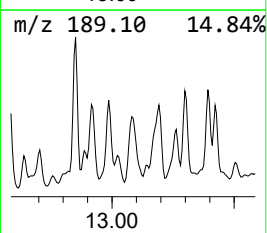
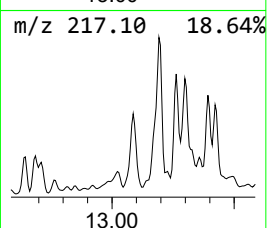
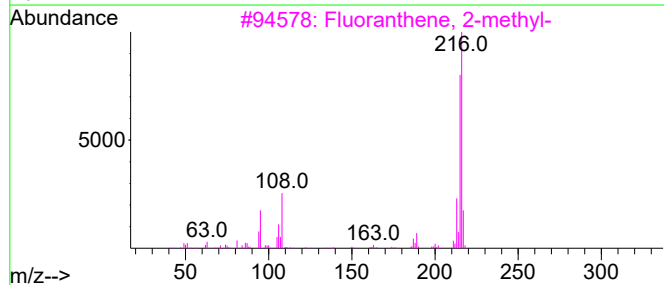
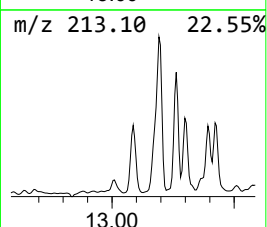
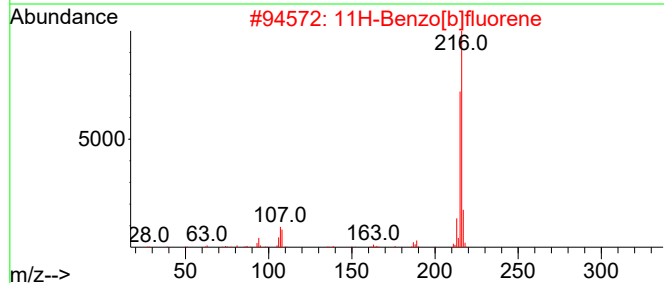
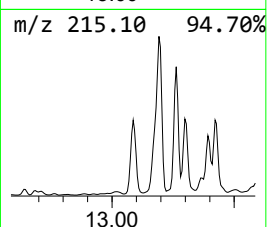
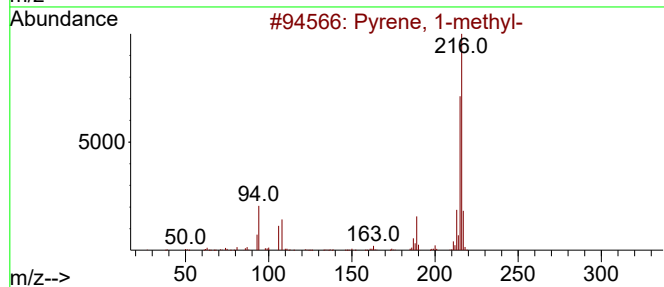
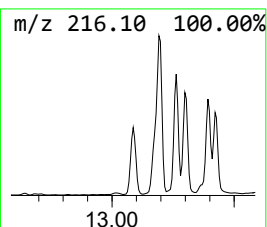
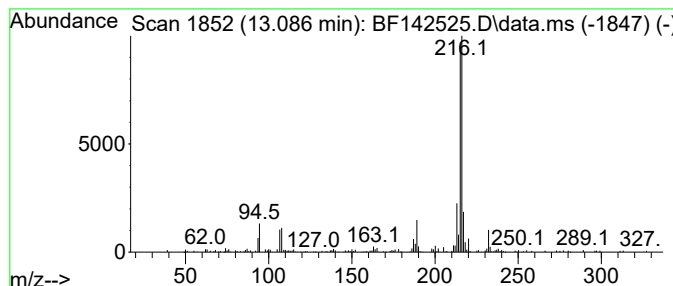
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 15 Pyrene, 1-methyl- Concentration Rank 10

| R.T.      | EstConc                 | Area   | Relative to ISTD |         | R.T.        |      |
|-----------|-------------------------|--------|------------------|---------|-------------|------|
| 13.086    | 4.18 ng                 | 197063 | Chrysene-d12     |         | 14.069      |      |
| Hit# of 5 | Tentative ID            |        | MW               | MolForm | CAS#        | Qual |
| 1         | Pyrene, 1-methyl-       |        | 216              | C17H12  | 002381-21-7 | 93   |
| 2         | 11H-Benzo[b]fluorene    |        | 216              | C17H12  | 000243-17-4 | 93   |
| 3         | Fluoranthene, 2-methyl- |        | 216              | C17H12  | 033543-31-6 | 89   |
| 4         | 11H-Benzo[a]fluorene    |        | 216              | C17H12  | 000238-84-6 | 83   |
| 5         | Pyrene, 2-methyl-       |        | 216              | C17H12  | 003442-78-2 | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052225\  
Data File : BF142525.D  
Acq On : 22 May 2025 22:20  
Operator : RC/JU  
Sample : Q2095-01 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WCS-TP1

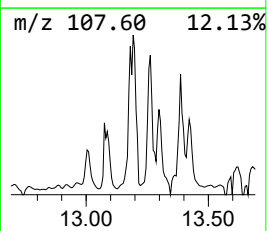
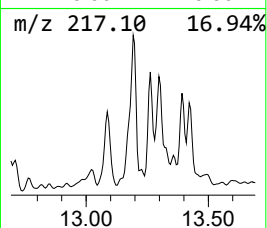
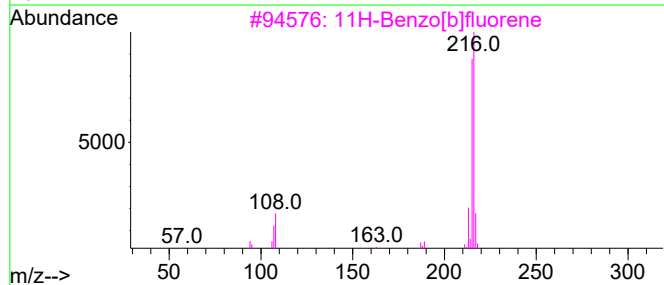
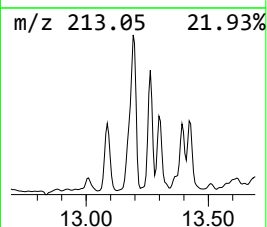
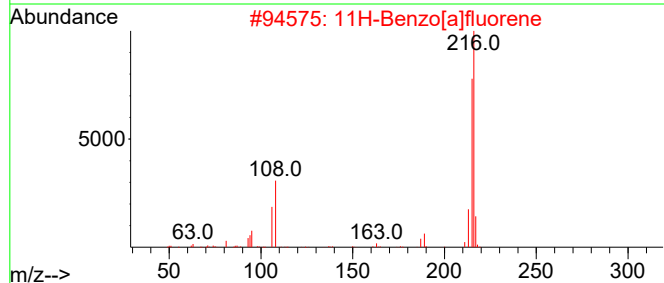
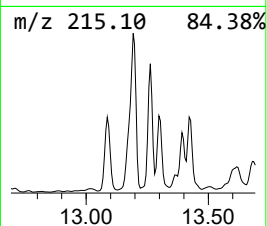
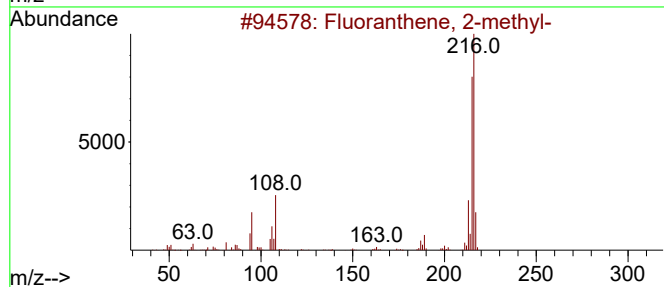
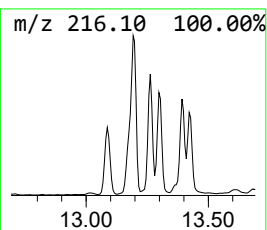
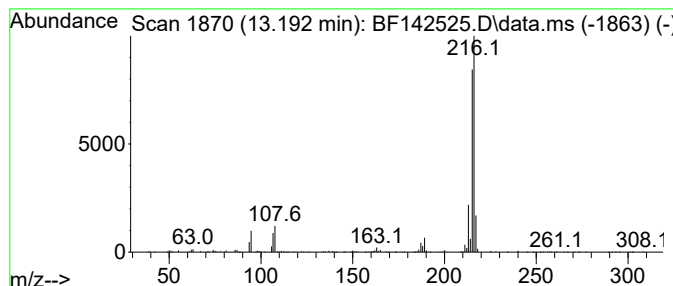
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 7

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.192 | 6.96 ng | 328183 | Chrysene-d12     | 14.069 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Fluoranthene, 2-methyl- | 216 | C17H12  | 033543-31-6 | 95   |
| 2    |    |   | 11H-Benzo[a]fluorene    | 216 | C17H12  | 000238-84-6 | 91   |
| 3    |    |   | 11H-Benzo[b]fluorene    | 216 | C17H12  | 000243-17-4 | 91   |
| 4    |    |   | Pyrene, 1-methyl-       | 216 | C17H12  | 002381-21-7 | 87   |
| 5    |    |   | 7H-Benzo[c]fluorene     | 216 | C17H12  | 000205-12-9 | 81   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052225\  
Data File : BF142525.D  
Acq On : 22 May 2025 22:20  
Operator : RC/JU  
Sample : Q2095-01 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WCS-TP1

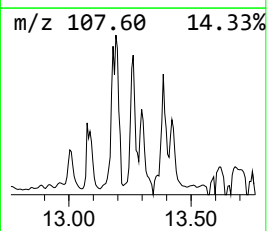
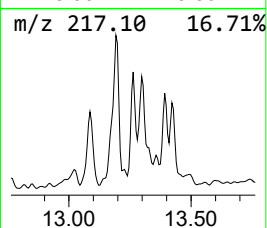
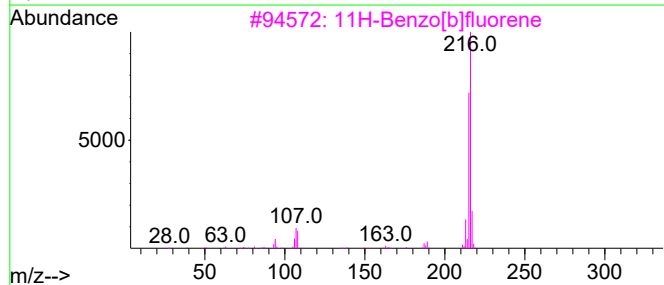
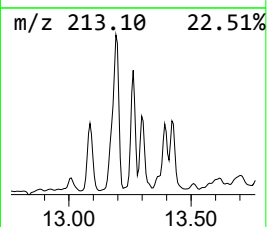
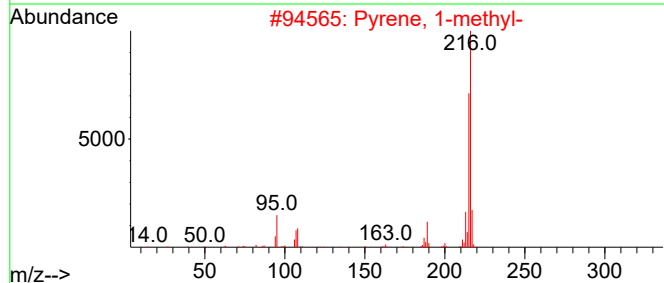
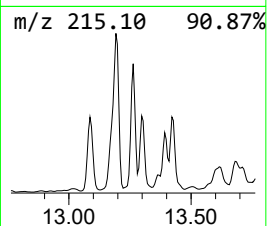
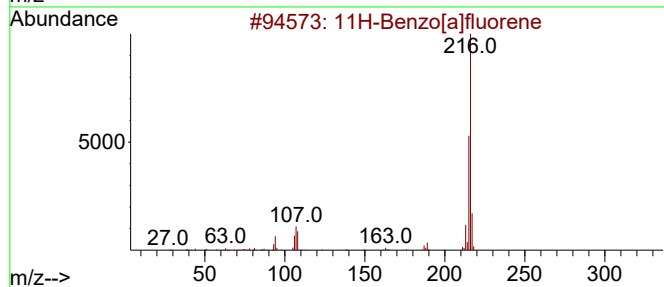
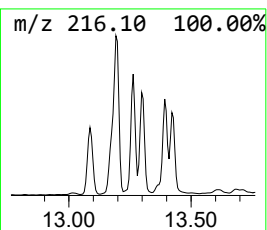
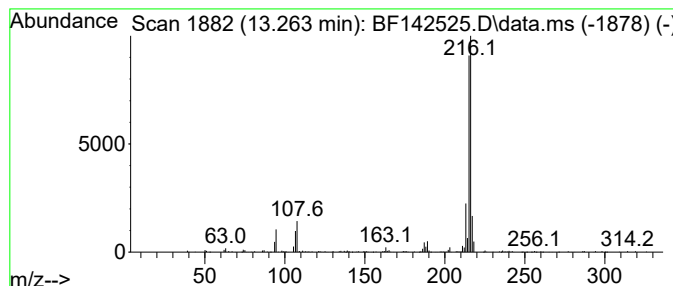
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 17 11H-Benzo[a]fluorene Concentration Rank 12

| R.T.      | EstConc                 | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------|--------|------------------|-------------|------|
| 13.263    | 3.52 ng                 | 166026 | Chrysene-d12     | 14.069      |      |
| Hit# of 5 | Tentative ID            | MW     | MolForm          | CAS#        | Qual |
| 1         | 11H-Benzo[a]fluorene    | 216    | C17H12           | 000238-84-6 | 93   |
| 2         | Pyrene, 1-methyl-       | 216    | C17H12           | 002381-21-7 | 91   |
| 3         | 11H-Benzo[b]fluorene    | 216    | C17H12           | 000243-17-4 | 90   |
| 4         | Fluoranthene, 2-methyl- | 216    | C17H12           | 033543-31-6 | 70   |
| 5         | Pyrene, 2-methyl-       | 216    | C17H12           | 003442-78-2 | 62   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052225\  
Data File : BF142525.D  
Acq On : 22 May 2025 22:20  
Operator : RC/JU  
Sample : Q2095-01 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WCS-TP1

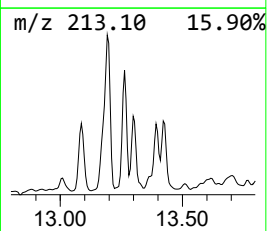
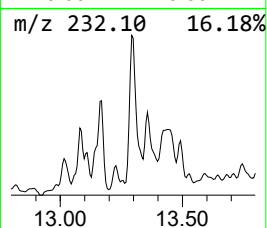
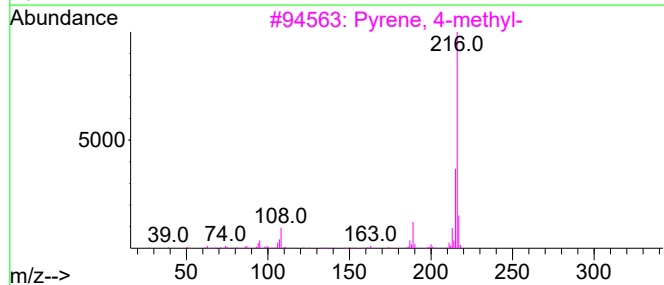
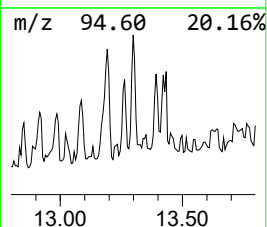
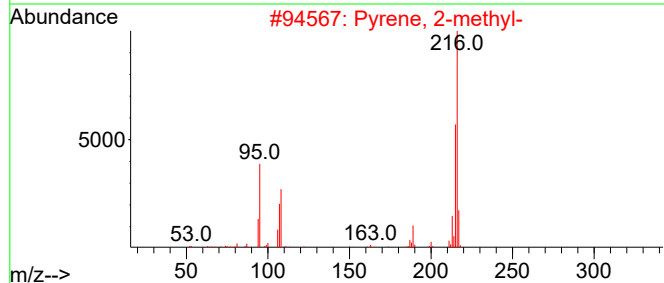
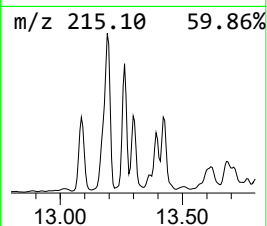
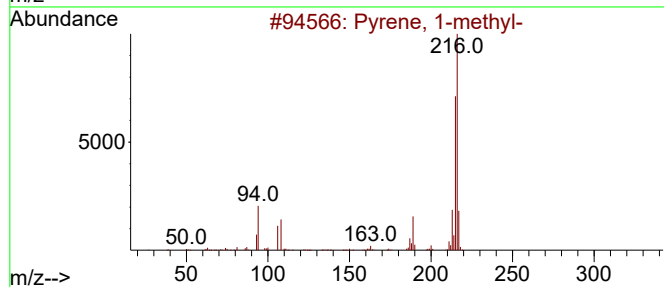
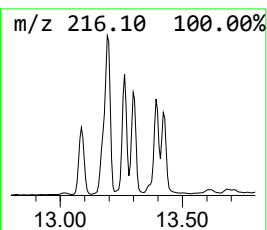
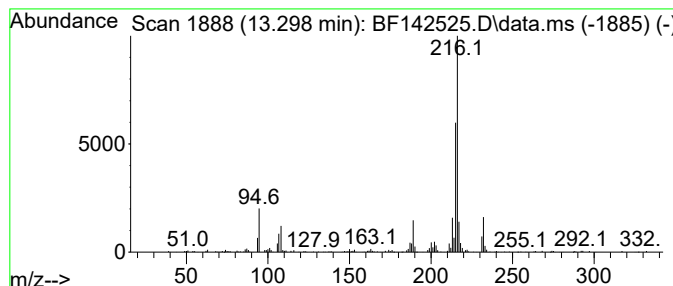
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

| R.T.      | EstConc                 | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------|--------|------------------|-------------|------|
| 13.298    | 3.74 ng                 | 176289 | Chrysene-d12     | 14.069      |      |
| Hit# of 5 | Tentative ID            | MW     | MolForm          | CAS#        | Qual |
| 1         | Pyrene, 1-methyl-       | 216    | C17H12           | 002381-21-7 | 98   |
| 2         | Pyrene, 2-methyl-       | 216    | C17H12           | 003442-78-2 | 93   |
| 3         | Pyrene, 4-methyl-       | 216    | C17H12           | 003353-12-6 | 92   |
| 4         | Fluoranthene, 2-methyl- | 216    | C17H12           | 033543-31-6 | 76   |
| 5         | 11H-Benzo[b]fluorene    | 216    | C17H12           | 000243-17-4 | 74   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052225\  
Data File : BF142525.D  
Acq On : 22 May 2025 22:20  
Operator : RC/JU  
Sample : Q2095-01 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WCS-TP1

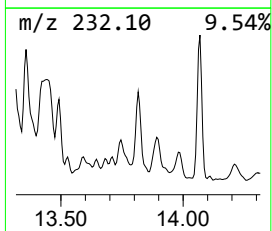
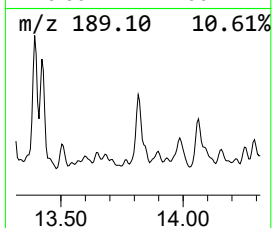
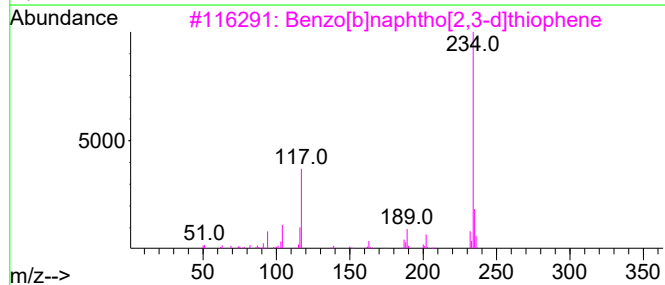
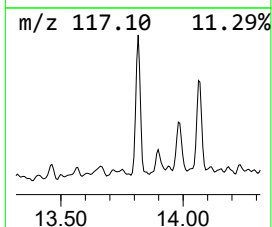
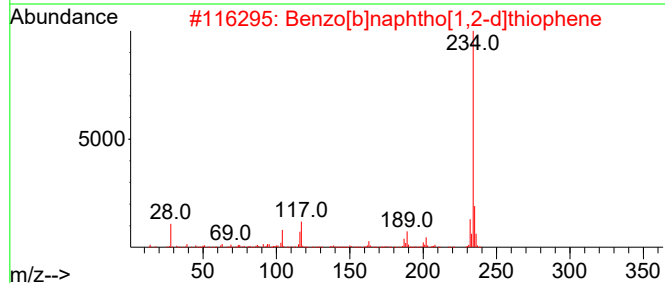
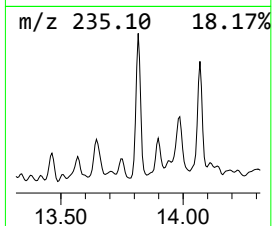
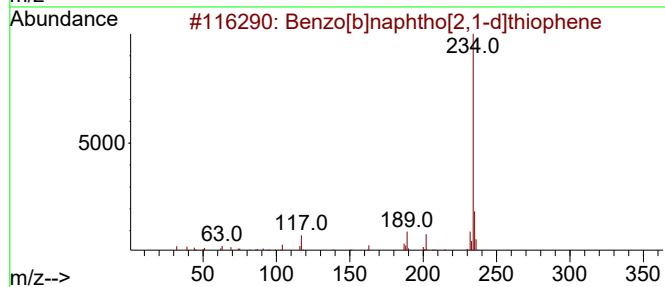
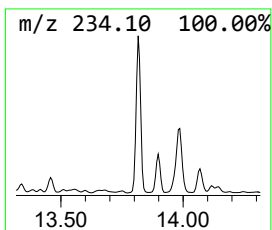
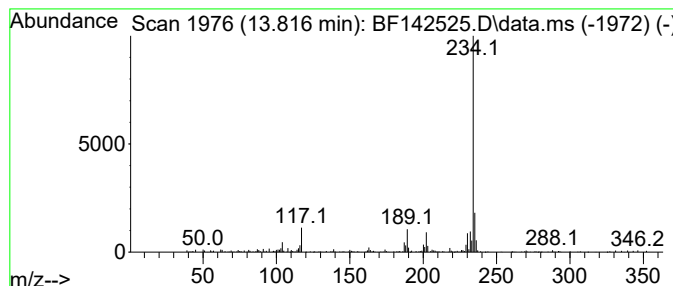
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 19 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 20

| R.T.      | EstConc                             | Area   | Relative to ISTD |          | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|----------|--------------|------|
| 13.816    | 2.36 ng                             | 111116 | Chrysene-d12     |          | 14.069       |      |
| Hit# of 5 | Tentative ID                        |        | MW               | MolForm  | CAS#         | Qual |
| 1         | Benzo[b]naphtho[2,1-d]thiophene     |        | 234              | C16H10S  | 000239-35-0  | 95   |
| 2         | Benzo[b]naphtho[1,2-d]thiophene     |        | 234              | C16H10S  | 000205-43-6  | 91   |
| 3         | Benzo[b]naphtho[2,3-d]thiophene     |        | 234              | C16H10S  | 000243-46-9  | 91   |
| 4         | Anthra(2,3-b)thiophene              |        | 234              | C16H10S  | 022108-55-0  | 72   |
| 5         | pyrido[1',2':1,2]imidazo[4,5-b]q... |        | 234              | C14H10N4 | 1000401-06-3 | 59   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052225\  
Data File : BF142525.D  
Acq On : 22 May 2025 22:20  
Operator : RC/JU  
Sample : Q2095-01 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WCS-TP1

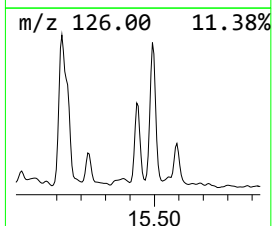
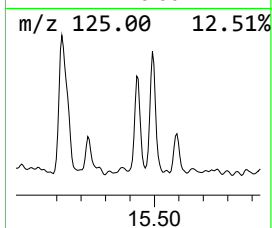
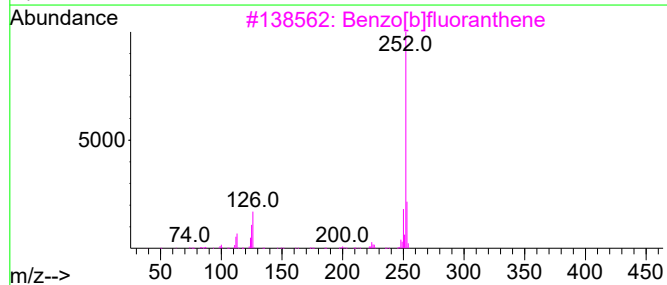
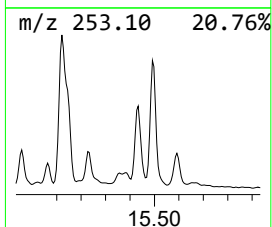
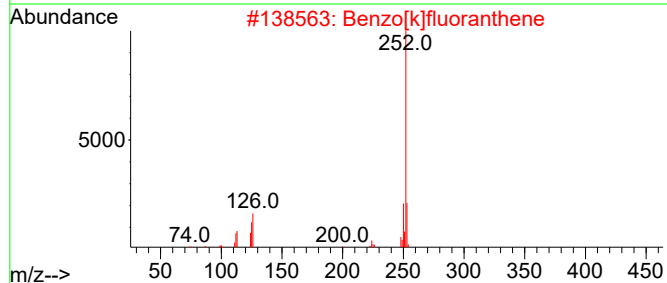
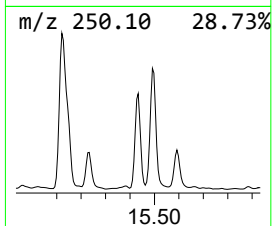
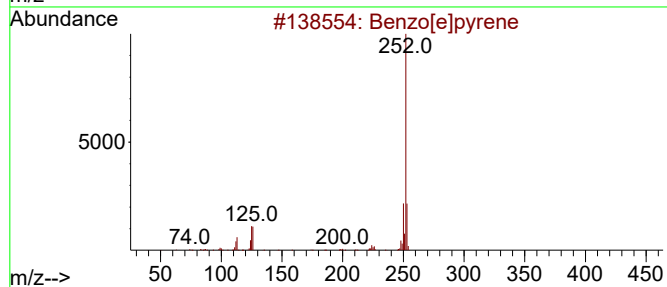
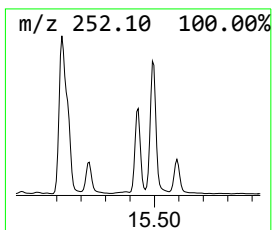
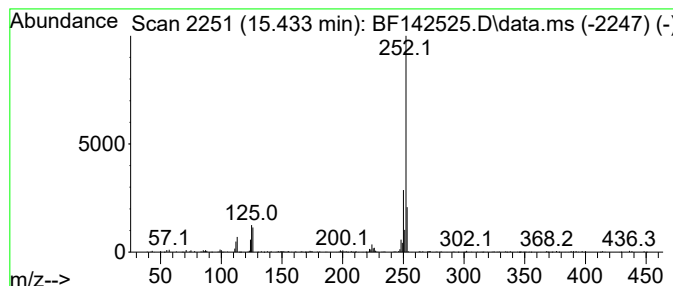
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 20 Benzo[e]pyrene Concentration Rank 2

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 15.433 | 10.57 ng | 159374 | Perylene-d12     | 15.563 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Benzo[e]pyrene       | 252 | C20H12  | 000192-97-2 | 98   |
| 2    |    |   | Benzo[k]fluoranthene | 252 | C20H12  | 000207-08-9 | 96   |
| 3    |    |   | Benzo[b]fluoranthene | 252 | C20H12  | 000205-99-2 | 93   |
| 4    |    |   | Perylene             | 252 | C20H12  | 000198-55-0 | 93   |
| 5    |    |   | Benzo[a]pyrene       | 252 | C20H12  | 000050-32-8 | 93   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052225\  
Data File : BF142525.D  
Acq On : 22 May 2025 22:20  
Operator : RC/JU  
Sample : Q2095-01 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WCS-TP1

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052025.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 |
| Naphthalene, 2-... | 9.592  | 2.8     | ng    | 77753    | 3                     | 9.934  | 562240 | 20.0 |
| Benzophenone       | 10.645 | 3.1     | ng    | 86296    | 3                     | 9.934  | 562240 | 20.0 |
| 9H-Fluorene, 2-... | 11.028 | 3.4     | ng    | 102869   | 4                     | 11.428 | 597929 | 20.0 |
| Dibenzothiophene   | 11.322 | 3.3     | ng    | 99733    | 4                     | 11.428 | 597929 | 20.0 |
| 2-Methyldibenzo... | 11.757 | 2.6     | ng    | 78396    | 4                     | 11.428 | 597929 | 20.0 |
| Phenanthrene, 2... | 11.928 | 9.4     | ng    | 279854   | 4                     | 11.428 | 597929 | 20.0 |
| Phenanthrene, 1... | 11.951 | 10.0    | ng    | 299771   | 4                     | 11.428 | 597929 | 20.0 |
| 1H-Cyclopropa[1... | 12.004 | 3.2     | ng    | 96730    | 4                     | 11.428 | 597929 | 20.0 |
| 4H-Cyclopenta[d... | 12.039 | 21.8    | ng    | 652645   | 4                     | 11.428 | 597929 | 20.0 |
| Naphthalene, 2-... | 12.222 | 7.0     | ng    | 209374   | 4                     | 11.428 | 597929 | 20.0 |
| Phenanthrene, 3... | 12.369 | 2.7     | ng    | 81614    | 4                     | 11.428 | 597929 | 20.0 |
| Phenanthrene, 2... | 12.475 | 7.6     | ng    | 226934   | 4                     | 11.428 | 597929 | 20.0 |
| Indeno[2,1-a]in... | 12.510 | 6.0     | ng    | 178171   | 4                     | 11.428 | 597929 | 20.0 |
| Cyclopenta(def)... | 12.563 | 4.7     | ng    | 139566   | 4                     | 11.428 | 597929 | 20.0 |
| Pyrene, 1-methyl-  | 13.086 | 4.2     | ng    | 197063   | 5                     | 14.069 | 942427 | 20.0 |
| Fluoranthene, 2... | 13.192 | 7.0     | ng    | 328183   | 5                     | 14.069 | 942427 | 20.0 |
| 11H-Benzo[a]flu... | 13.263 | 3.5     | ng    | 166026   | 5                     | 14.069 | 942427 | 20.0 |
| Pyrene, 2-methyl-  | 13.298 | 3.7     | ng    | 176289   | 5                     | 14.069 | 942427 | 20.0 |
| Benzo[b]naphtho... | 13.816 | 2.4     | ng    | 111116   | 5                     | 14.069 | 942427 | 20.0 |
| Benzo[e]pyrene     | 15.433 | 10.6    | ng    | 159374   | 6                     | 15.563 | 301654 | 20.0 |