

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020725\  
 Data File : BF141515.D  
 Acq On : 07 Feb 2025 18:35  
 Operator : RC/JU  
 Sample : Q1215-07  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JPP-29.2-012825

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-BF020625.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141515.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         | 5.410       | 559           | 564         | 584          | rVB      | 1216750        | 1614781       | 57.96%          | 4.781%        |
| 2         | 6.063       | 671           | 675         | 680          | rVB      | 27575          | 33951         | 1.22%           | 0.101%        |
| 3         | 6.428       | 732           | 737         | 756          | rBV      | 1265220        | 1678366       | 60.25%          | 4.969%        |
| 4         | 6.787       | 793           | 798         | 805          | rBV      | 394800         | 497819        | 17.87%          | 1.474%        |
| 5         | 7.351       | 888           | 894         | 904          | rBV      | 840665         | 1087599       | 39.04%          | 3.220%        |
| 6         | 7.610       | 932           | 938         | 948          | rVB      | 28222          | 40425         | 1.45%           | 0.120%        |
| 7         | 8.069       | 1010          | 1016        | 1025         | rBV      | 493316         | 724745        | 26.02%          | 2.146%        |
| 8         | 8.787       | 1133          | 1138        | 1144         | rVB      | 31149          | 40034         | 1.44%           | 0.119%        |
| 9         | 8.881       | 1150          | 1154        | 1163         | rVB      | 40234          | 55597         | 2.00%           | 0.165%        |
| 10        | 9.145       | 1194          | 1199        | 1208         | rBV      | 1473653        | 1845719       | 66.25%          | 5.465%        |
| 11        | 9.228       | 1208          | 1213        | 1222         | rVV2     | 29306          | 59646         | 2.14%           | 0.177%        |
| 12        | 9.410       | 1239          | 1244        | 1249         | rBV      | 26189          | 42558         | 1.53%           | 0.126%        |
| 13        | 9.486       | 1252          | 1257        | 1259         | rBV      | 48394          | 69475         | 2.49%           | 0.206%        |
| 14        | 9.545       | 1264          | 1267        | 1271         | rVV2     | 22228          | 32547         | 1.17%           | 0.096%        |
| 15        | 9.598       | 1272          | 1276        | 1284         | rVB2     | 26441          | 45262         | 1.62%           | 0.134%        |
| 16        | 9.686       | 1287          | 1291        | 1296         | rVB      | 27673          | 34729         | 1.25%           | 0.103%        |
| 17        | 9.757       | 1296          | 1303        | 1307         | rVB      | 22843          | 32951         | 1.18%           | 0.098%        |
| 18        | 9.828       | 1307          | 1315        | 1318         | rBV      | 515627         | 717884        | 25.77%          | 2.125%        |
| 19        | 9.857       | 1318          | 1320        | 1324         | rVB      | 175188         | 187723        | 6.74%           | 0.556%        |
| 20        | 9.981       | 1337          | 1341        | 1345         | rBV2     | 33685          | 50223         | 1.80%           | 0.149%        |
| 21        | 10.028      | 1345          | 1349        | 1353         | rVV      | 97344          | 132716        | 4.76%           | 0.393%        |
| 22        | 10.069      | 1353          | 1356        | 1365         | rVB3     | 27550          | 43927         | 1.58%           | 0.130%        |
| 23        | 10.145      | 1365          | 1369        | 1371         | rBV      | 26001          | 36033         | 1.29%           | 0.107%        |
| 24        | 10.233      | 1380          | 1384        | 1385         | rBV      | 29764          | 36045         | 1.29%           | 0.107%        |
| 25        | 10.257      | 1385          | 1388        | 1392         | rVB      | 39890          | 49924         | 1.79%           | 0.148%        |
| 26        | 10.375      | 1403          | 1408        | 1413         | rBV      | 158192         | 211122        | 7.58%           | 0.625%        |
| 27        | 10.439      | 1413          | 1419        | 1421         | rBV      | 37719          | 73539         | 2.64%           | 0.218%        |
| 28        | 10.539      | 1431          | 1436        | 1441         | rVB2     | 126899         | 189437        | 6.80%           | 0.561%        |
| 29        | 10.616      | 1443          | 1449        | 1454         | rBV      | 824914         | 1069585       | 38.39%          | 3.167%        |
| 30        | 10.739      | 1465          | 1470        | 1477         | rVB2     | 115214         | 191084        | 6.86%           | 0.566%        |
| 31        | 10.810      | 1478          | 1482        | 1486         | rBV6     | 14653          | 30177         | 1.08%           | 0.089%        |
| 32        | 10.922      | 1495          | 1501        | 1504         | rBV3     | 55347          | 105125        | 3.77%           | 0.311%        |
| 33        | 11.051      | 1519          | 1523        | 1525         | rBV3     | 42485          | 64758         | 2.32%           | 0.192%        |
| 34        | 11.122      | 1531          | 1535        | 1538         | rVB      | 56536          | 71837         | 2.58%           | 0.213%        |
| 35        | 11.175      | 1538          | 1544        | 1547         | rVV4     | 95408          | 171587        | 6.16%           | 0.508%        |
| 36        | 11.210      | 1547          | 1550        | 1556         | rVB      | 107372         | 143736        | 5.16%           | 0.426%        |

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 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JPP-29.2-012825

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-BF020625.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 37 | 11.339 | 1563 | 1572 | 1576 | rBV2 | 1472888 | 2447621 | 87.86%  | 7.247% |
| 38 | 11.392 | 1576 | 1581 | 1584 | rVV  | 322117  | 447602  | 16.07%  | 1.325% |
| 39 | 11.422 | 1584 | 1586 | 1592 | rVB2 | 41387   | 52582   | 1.89%   | 0.156% |
| 40 | 11.545 | 1601 | 1607 | 1614 | rBV2 | 103024  | 208990  | 7.50%   | 0.619% |
| 41 | 11.610 | 1614 | 1618 | 1621 | rVV  | 94392   | 121400  | 4.36%   | 0.359% |
| 42 | 11.645 | 1621 | 1624 | 1629 | rVB2 | 35737   | 52309   | 1.88%   | 0.155% |
| 43 | 11.816 | 1649 | 1653 | 1655 | rVV  | 190448  | 247286  | 8.88%   | 0.732% |
| 44 | 11.845 | 1655 | 1658 | 1662 | rVV  | 407974  | 515224  | 18.49%  | 1.525% |
| 45 | 11.892 | 1662 | 1666 | 1668 | rVV  | 118197  | 156753  | 5.63%   | 0.464% |
| 46 | 11.927 | 1668 | 1672 | 1680 | rVB2 | 333934  | 640695  | 23.00%  | 1.897% |
| 47 | 12.016 | 1681 | 1687 | 1691 | rBV3 | 64594   | 127308  | 4.57%   | 0.377% |
| 48 | 12.110 | 1699 | 1703 | 1706 | rBV  | 133873  | 189180  | 6.79%   | 0.560% |
| 49 | 12.139 | 1706 | 1708 | 1712 | rVB  | 95140   | 95952   | 3.44%   | 0.284% |
| 50 | 12.263 | 1724 | 1729 | 1732 | rBV  | 140479  | 190698  | 6.85%   | 0.565% |
| 51 | 12.369 | 1742 | 1747 | 1750 | rBV  | 133172  | 213962  | 7.68%   | 0.633% |
| 52 | 12.404 | 1750 | 1753 | 1758 | rVV2 | 109962  | 188995  | 6.78%   | 0.560% |
| 53 | 12.457 | 1758 | 1762 | 1767 | rVB  | 113110  | 157109  | 5.64%   | 0.465% |
| 54 | 12.533 | 1770 | 1775 | 1779 | rVV  | 1900526 | 2478225 | 88.96%  | 7.337% |
| 55 | 12.575 | 1779 | 1782 | 1788 | rVB3 | 108029  | 181101  | 6.50%   | 0.536% |
| 56 | 12.763 | 1807 | 1814 | 1819 | rBV  | 1788047 | 2785809 | 100.00% | 8.248% |
| 57 | 12.810 | 1819 | 1822 | 1827 | rVB2 | 99281   | 148172  | 5.32%   | 0.439% |
| 58 | 12.904 | 1830 | 1838 | 1845 | rVB  | 1092232 | 1652652 | 59.32%  | 4.893% |
| 59 | 12.980 | 1845 | 1851 | 1855 | rBV3 | 165061  | 314704  | 11.30%  | 0.932% |
| 60 | 13.039 | 1857 | 1861 | 1863 | rBV  | 156576  | 194208  | 6.97%   | 0.575% |
| 61 | 13.086 | 1867 | 1869 | 1873 | rVB  | 230031  | 246585  | 8.85%   | 0.730% |
| 62 | 13.157 | 1877 | 1881 | 1883 | rBV  | 111713  | 141096  | 5.06%   | 0.418% |
| 63 | 13.192 | 1883 | 1887 | 1894 | rVB3 | 181293  | 300814  | 10.80%  | 0.891% |
| 64 | 13.280 | 1900 | 1902 | 1905 | rBV  | 84815   | 95339   | 3.42%   | 0.282% |
| 65 | 13.316 | 1905 | 1908 | 1916 | rVB2 | 108041  | 146017  | 5.24%   | 0.432% |
| 66 | 13.598 | 1953 | 1956 | 1960 | rVB  | 116483  | 146473  | 5.26%   | 0.434% |
| 67 | 13.704 | 1971 | 1974 | 1977 | rBV2 | 113271  | 165360  | 5.94%   | 0.490% |
| 68 | 13.733 | 1977 | 1979 | 1981 | rVV  | 73481   | 76288   | 2.74%   | 0.226% |
| 69 | 13.804 | 1989 | 1991 | 1999 | rVB  | 117299  | 159892  | 5.74%   | 0.473% |
| 70 | 13.957 | 2011 | 2017 | 2020 | rBV2 | 1023950 | 1813178 | 65.09%  | 5.368% |
| 71 | 13.986 | 2020 | 2022 | 2029 | rVB  | 760115  | 932867  | 33.49%  | 2.762% |
| 72 | 14.063 | 2033 | 2035 | 2040 | rVB  | 101306  | 118307  | 4.25%   | 0.350% |
| 73 | 15.004 | 2190 | 2195 | 2204 | rVB  | 682511  | 1465875 | 52.62%  | 4.340% |
| 74 | 15.298 | 2241 | 2245 | 2251 | rVB  | 372856  | 608912  | 21.86%  | 1.803% |
| 75 | 15.363 | 2251 | 2256 | 2261 | rVB  | 534496  | 781660  | 28.06%  | 2.314% |
| 76 | 15.421 | 2262 | 2266 | 2269 | rBV  | 193251  | 318670  | 11.44%  | 0.943% |

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Sample : Q1215-07  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
JPP-29.2-012825

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-BF020625.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 77 | 16.868 | 2507 | 2512 | 2520 | rVB2 | 236575 | 484831 | 17.40% | 1.435% |
| 78 | 17.304 | 2581 | 2586 | 2598 | rVB  | 204445 | 452353 | 16.24% | 1.339% |

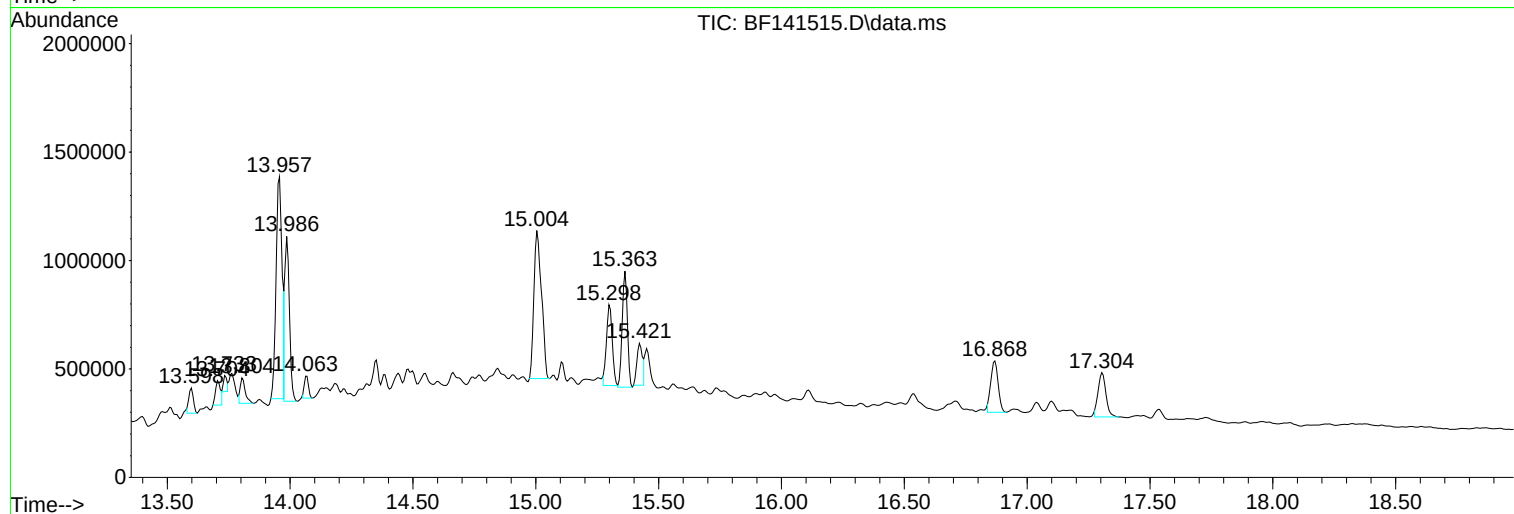
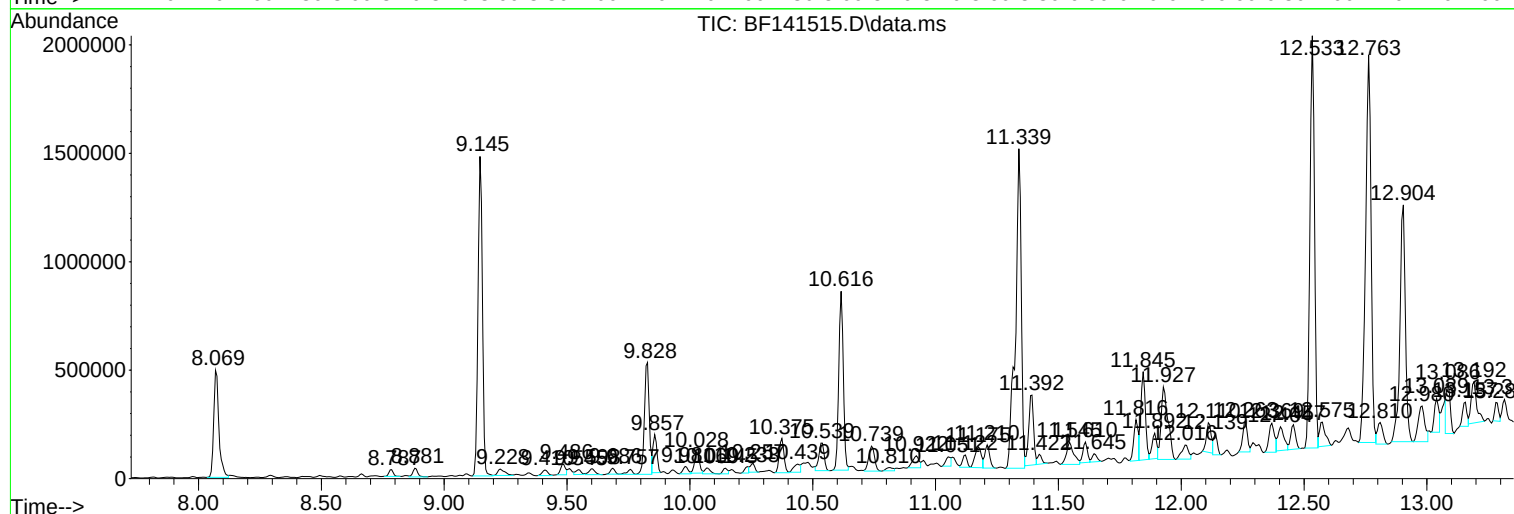
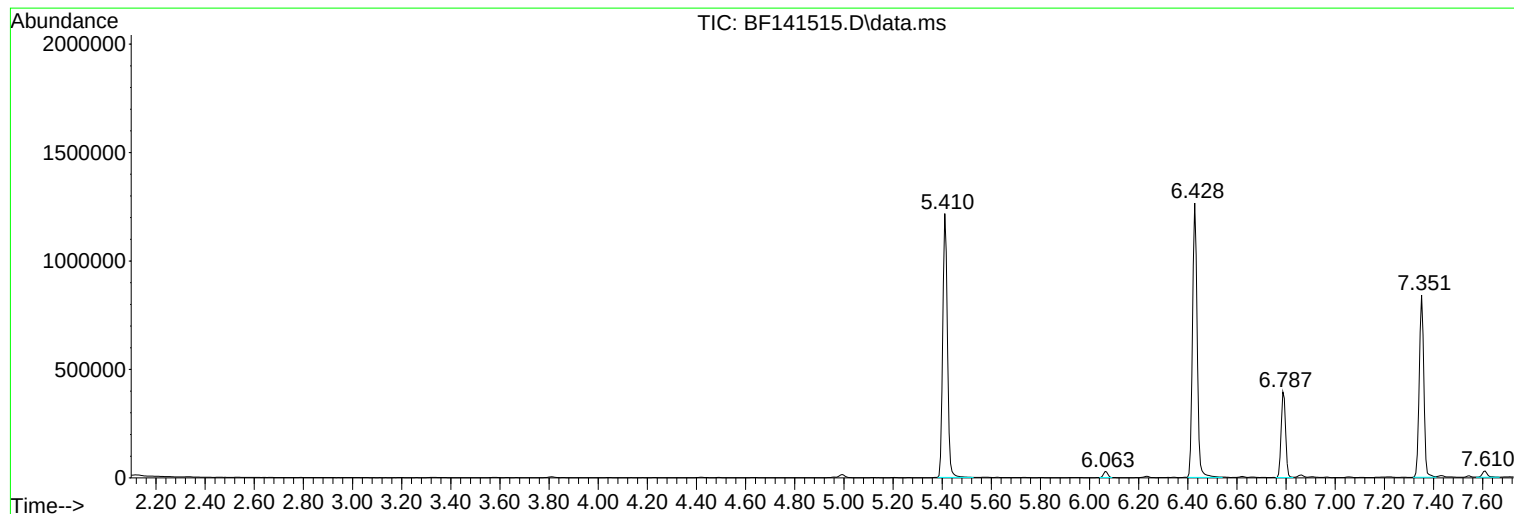
Sum of corrected areas: 33775720

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020725\  
Data File : BF141515.D  
Acq On : 07 Feb 2025 18:35  
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ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
JPP-29.2-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF020625.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\BF020725\  
Data File : BF141515.D  
Acq On : 07 Feb 2025 18:35  
Operator : RC/JU  
Sample : Q1215-07  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
JPP-29.2-012825

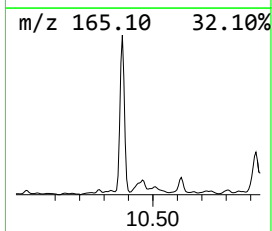
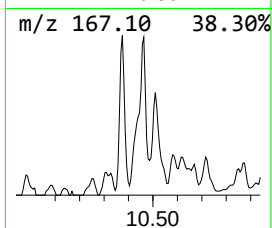
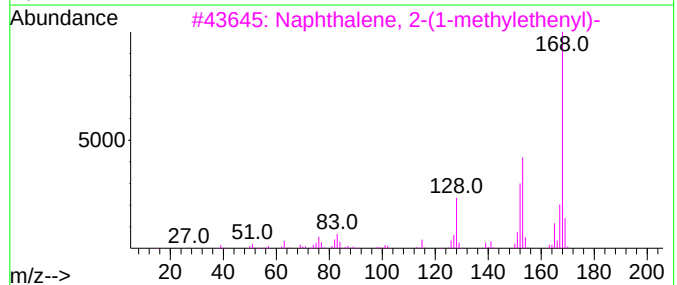
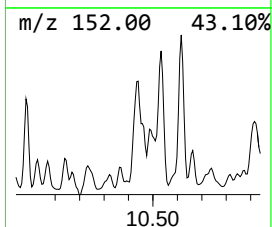
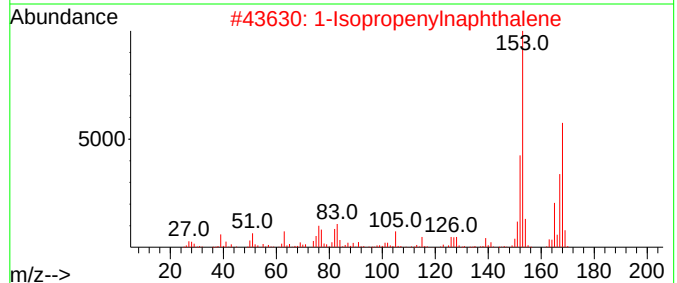
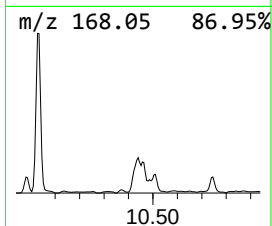
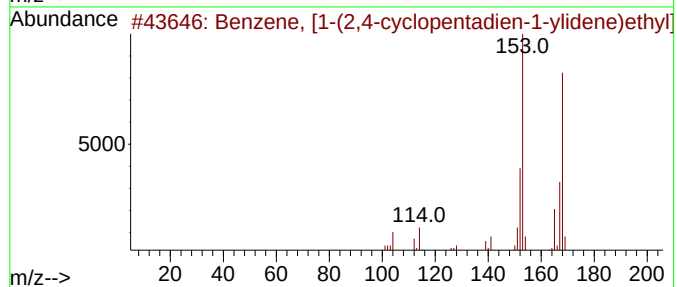
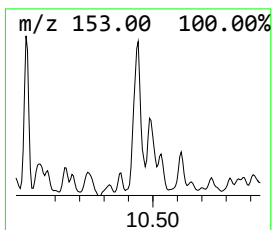
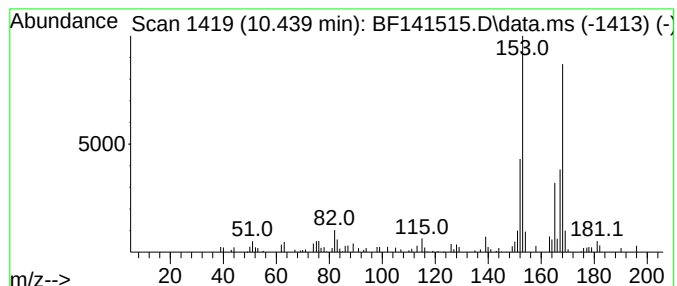
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF020625.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Benzene, [1-(2,4-cyclopenta... Concentration Rank 9

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.  |
|--------|---------|-------|------------------|-------|
| 10.439 | 2.05 ng | 73539 | Acenaphthene-d10 | 9.828 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, [1-(2,4-cyclopentadien-... | 168 | C13H12  | 002320-32-3 | 93   |
| 2    |    |   | 1-Isopropenylnaphthalene            | 168 | C13H12  | 001855-47-6 | 87   |
| 3    |    |   | Naphthalene, 2-(1-methylethenyl)-   | 168 | C13H12  | 003710-23-4 | 58   |
| 4    |    |   | 4-Methylthio-2,6-xyleneol           | 168 | C9H12OS | 007379-49-9 | 49   |
| 5    |    |   | 1,2,4-Trimethoxybenzene             | 168 | C9H12O3 | 000135-77-3 | 47   |



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Instrument :  
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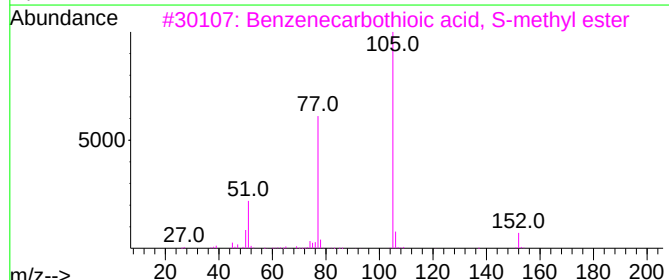
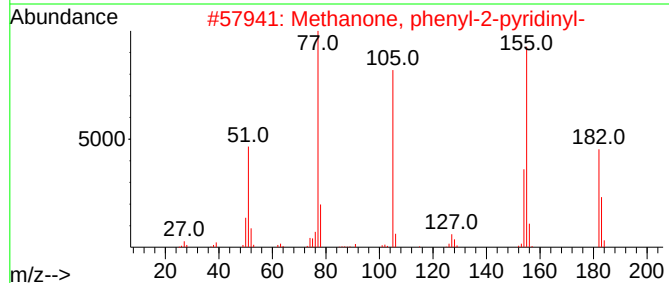
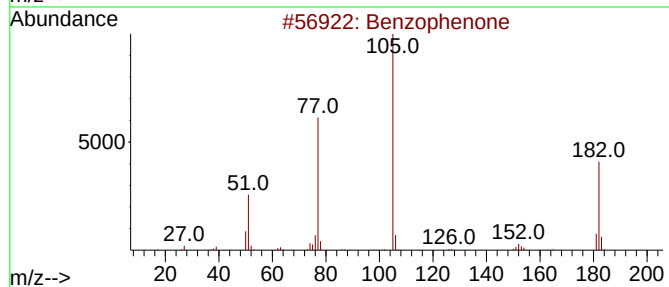
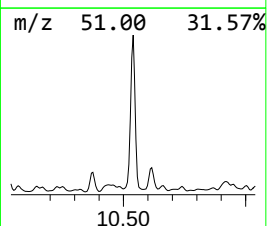
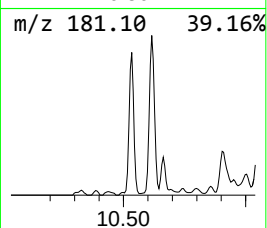
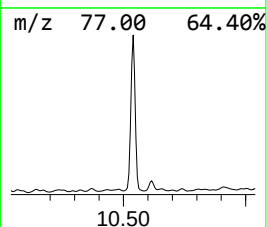
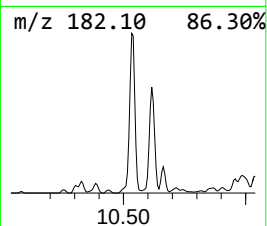
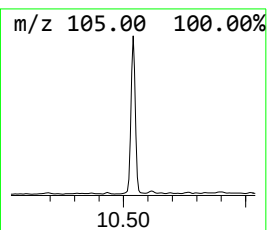
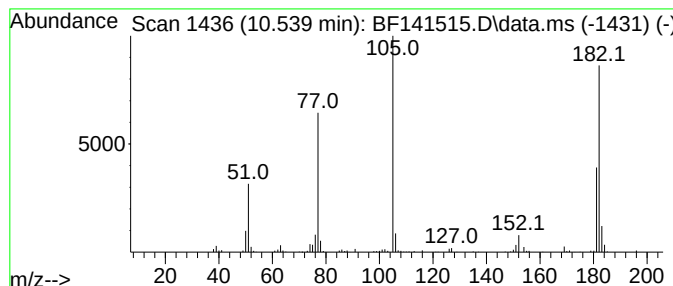
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF020625.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 Benzophenone Concentration Rank 2

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.  |
|--------|---------|--------|------------------|-------|
| 10.539 | 5.28 ng | 189437 | Acenaphthene-d10 | 9.828 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Benzophenone                        | 182 | C13H10O  | 000119-61-9 | 91   |
| 2    |    |   | Methanone, phenyl-2-pyridinyl-      | 183 | C12H9NO  | 000091-02-1 | 38   |
| 3    |    |   | Benzenecarbothioic acid, S-methy... | 152 | C8H8OS   | 005925-68-8 | 38   |
| 4    |    |   | 3-Mercaptobenzoic acid, S-methyl... | 182 | C9H10O2S | 090721-40-7 | 35   |
| 5    |    |   | Vinyl benzoate                      | 148 | C9H8O2   | 000769-78-8 | 27   |



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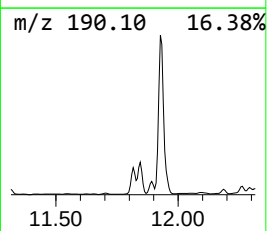
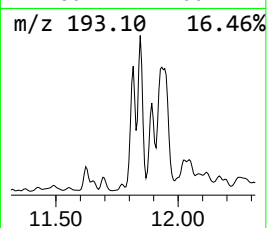
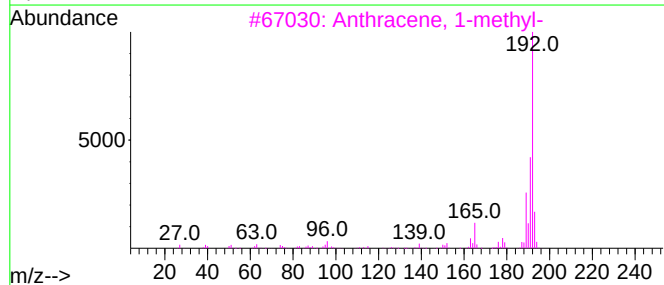
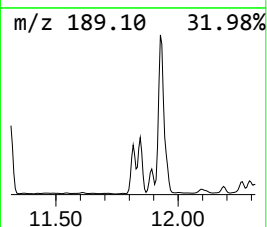
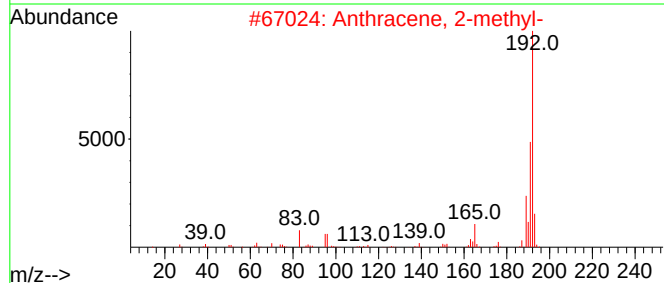
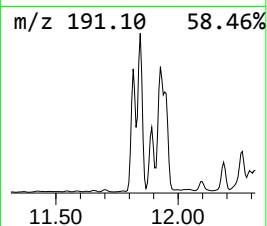
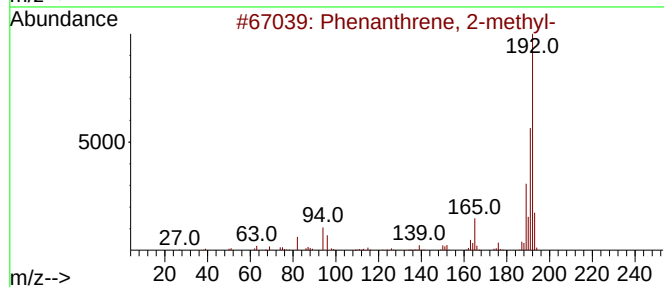
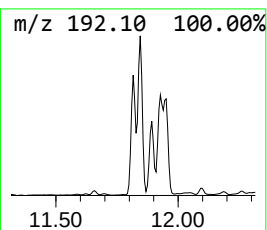
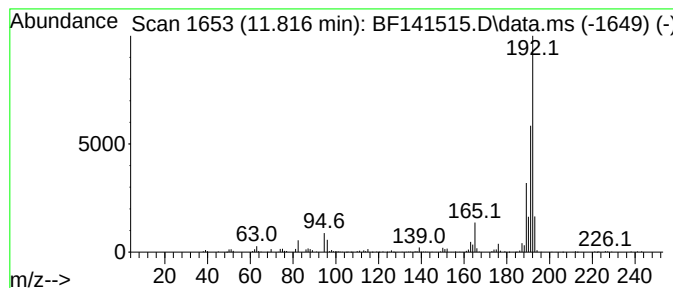
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 10

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.816 | 2.02 ng | 247286 | Phenanthrene-d10 | 11.316 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 95   |
| 2    |    |   | Anthracene, 2-methyl-   | 192 | C15H12  | 000613-12-7 | 95   |
| 3    |    |   | Anthracene, 1-methyl-   | 192 | C15H12  | 000610-48-0 | 95   |
| 4    |    |   | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 93   |
| 5    |    |   | Anthracene, 9-methyl-   | 192 | C15H12  | 000779-02-2 | 93   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020725\  
Data File : BF141515.D  
Acq On : 07 Feb 2025 18:35  
Operator : RC/JU  
Sample : Q1215-07  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
JPP-29.2-012825

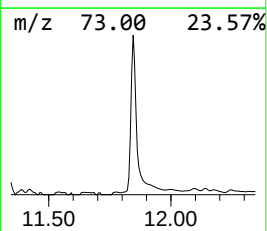
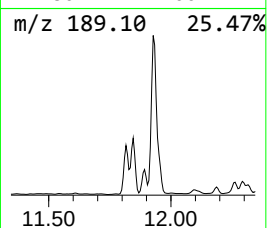
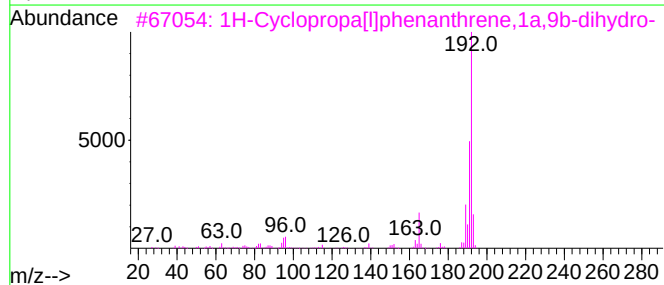
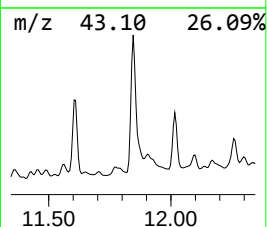
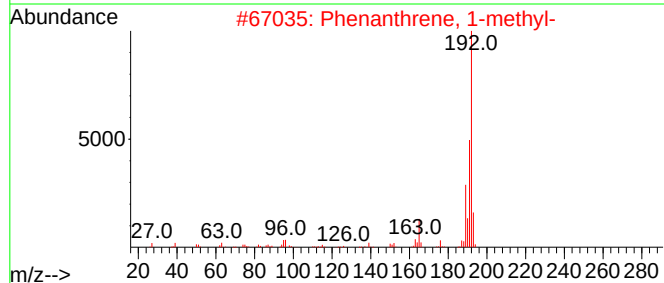
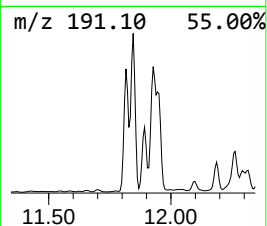
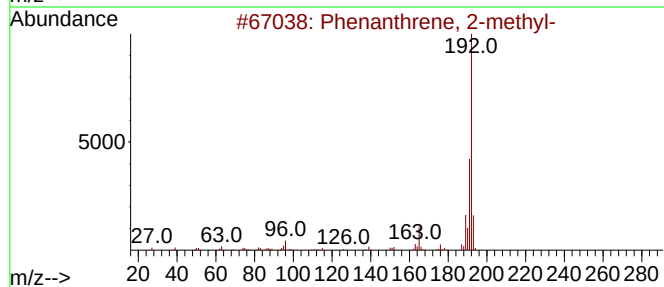
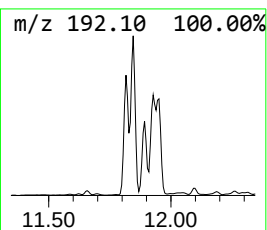
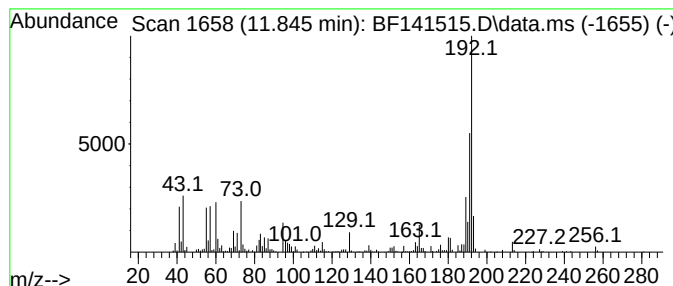
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.845 | 4.21 ng | 515224 | Phenanthrene-d10 | 11.316 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 2-methyl-             | 192 | C15H12  | 002531-84-2 | 97   |
| 2    |    |   | Phenanthrene, 1-methyl-             | 192 | C15H12  | 000832-69-9 | 97   |
| 3    |    |   | 1H-Cyclopropa[1]phenanthrene,1a,... | 192 | C15H12  | 000949-41-7 | 96   |
| 4    |    |   | Anthracene, 2-methyl-               | 192 | C15H12  | 000613-12-7 | 96   |
| 5    |    |   | Phenanthrene, 4-methyl-             | 192 | C15H12  | 000832-64-4 | 93   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020725\  
Data File : BF141515.D  
Acq On : 07 Feb 2025 18:35  
Operator : RC/JU  
Sample : Q1215-07  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
JPP-29.2-012825

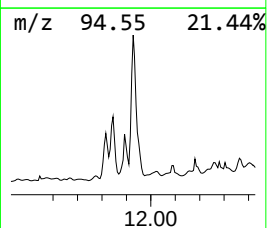
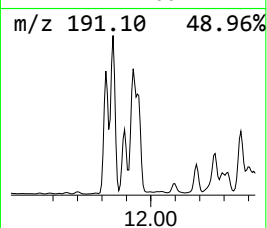
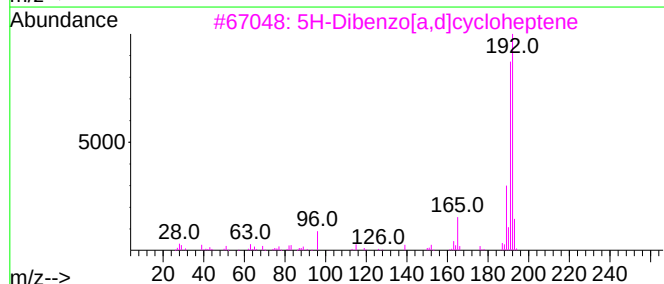
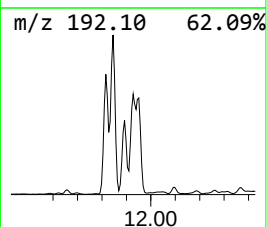
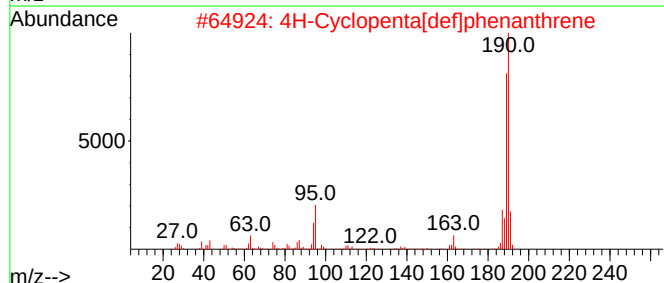
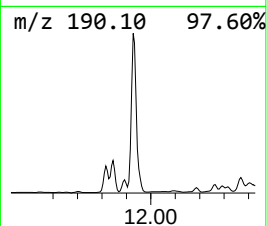
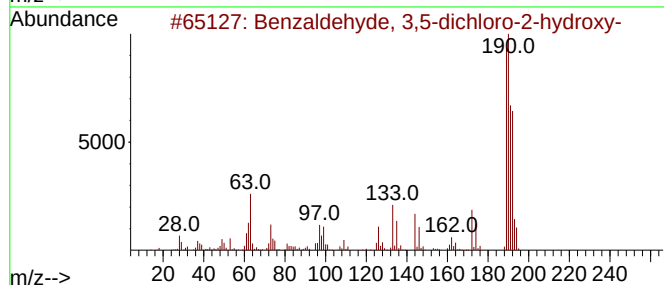
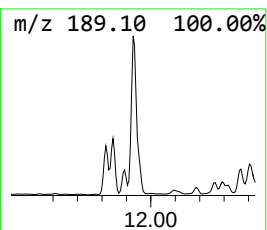
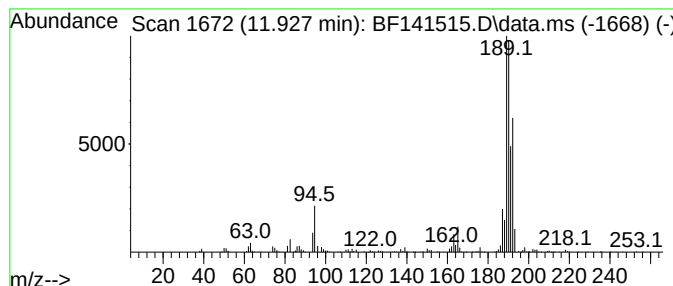
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 5 Benzaldehyde, 3,5-dichloro-... Concentration Rank 3

| R.T.      | EstConc                             | Area   | Relative to ISTD |           | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-----------|-------------|------|
| 11.928    | 5.24 ng                             | 640695 | Phenanthrene-d10 |           | 11.316      |      |
| Hit# of 5 | Tentative ID                        |        | MW               | MolForm   | CAS#        | Qual |
| 1         | Benzaldehyde, 3,5-dichloro-2-hyd... |        | 190              | C7H4Cl2O2 | 000090-60-8 | 72   |
| 2         | 4H-Cyclopenta[def]phenanthrene      |        | 190              | C15H10    | 000203-64-5 | 60   |
| 3         | 5H-Dibenzo[a,d]cycloheptene         |        | 192              | C15H12    | 000256-81-5 | 25   |
| 4         | 1H-Indene, 2-phenyl-                |        | 192              | C15H12    | 004505-48-0 | 25   |
| 5         | Phenanthrene, 2-methyl-             |        | 192              | C15H12    | 002531-84-2 | 25   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020725\  
Data File : BF141515.D  
Acq On : 07 Feb 2025 18:35  
Operator : RC/JU  
Sample : Q1215-07  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
JPP-29.2-012825

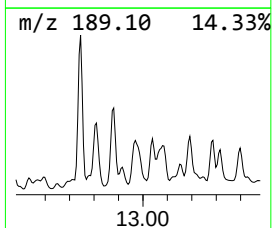
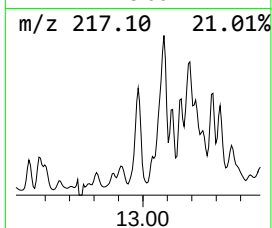
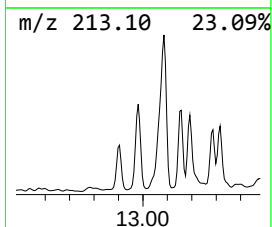
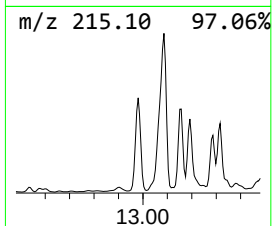
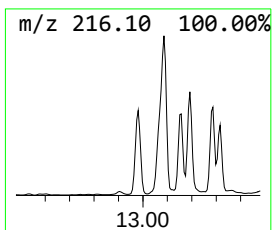
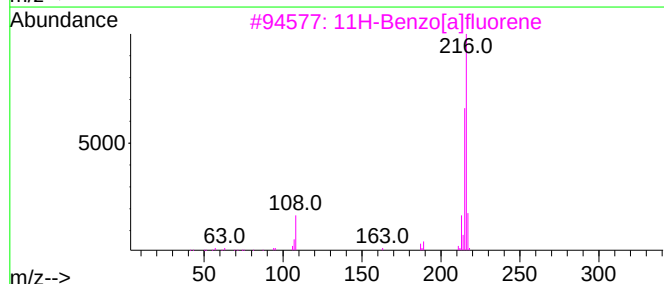
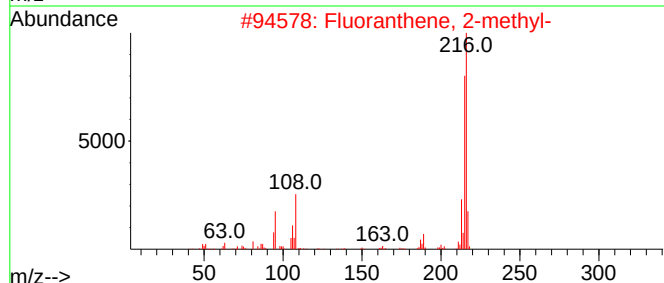
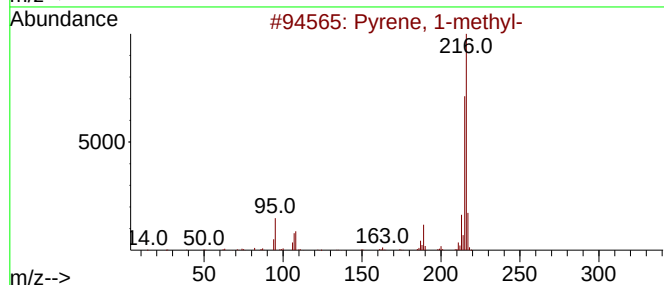
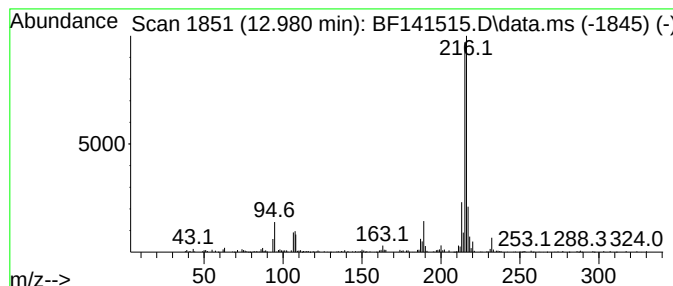
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 6 Pyrene, 1-methyl- Concentration Rank 5

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 12.980 | 3.47 ng | 314704 | Chrysene-d12     | 13.963 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Pyrene, 1-methyl-       | 216 | C17H12  | 002381-21-7 | 93   |
| 2    |    |   | Fluoranthene, 2-methyl- | 216 | C17H12  | 033543-31-6 | 91   |
| 3    |    |   | 11H-Benzo[a]fluorene    | 216 | C17H12  | 000238-84-6 | 87   |
| 4    |    |   | 11H-Benzo[b]fluorene    | 216 | C17H12  | 000243-17-4 | 87   |
| 5    |    |   | Pyrene, 2-methyl-       | 216 | C17H12  | 003442-78-2 | 86   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020725\  
Data File : BF141515.D  
Acq On : 07 Feb 2025 18:35  
Operator : RC/JU  
Sample : Q1215-07  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
JPP-29.2-012825

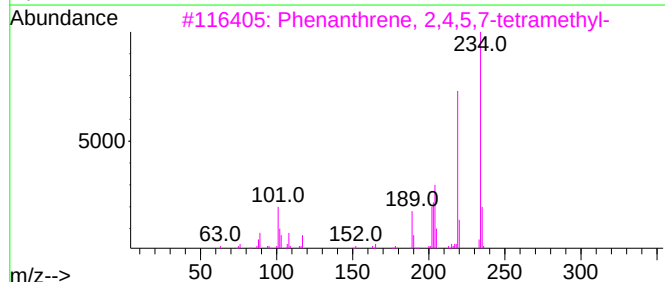
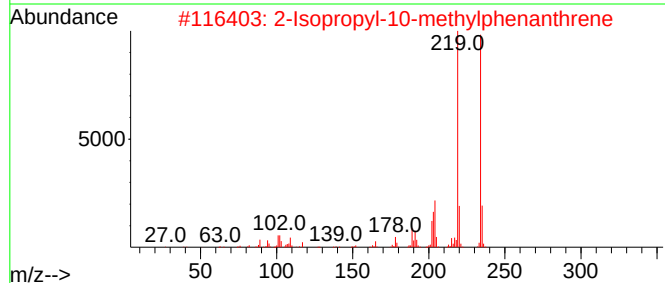
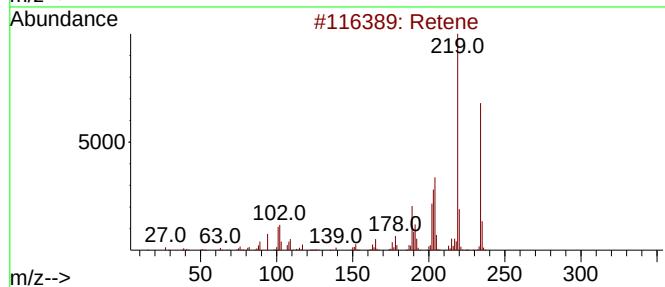
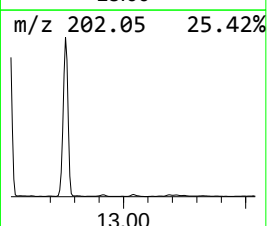
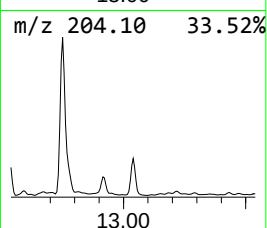
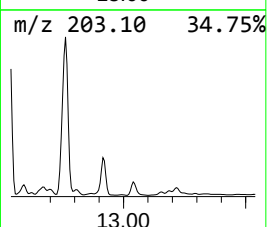
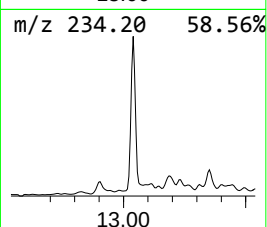
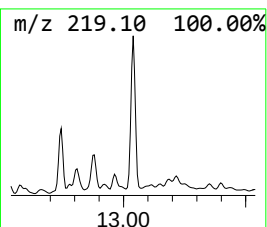
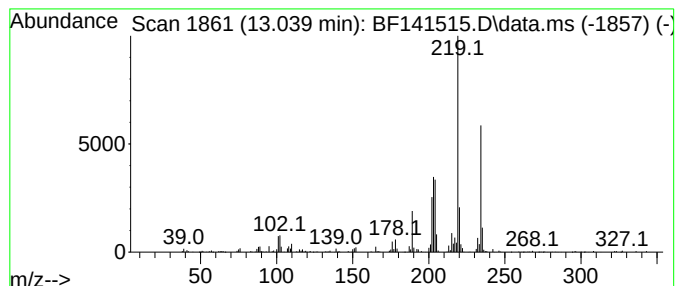
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 7 Retene Concentration Rank 8

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.039 | 2.14 ng | 194208 | Chrysene-d12     | 13.963 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Retene                              | 234 | C18H18   | 000483-65-8 | 95   |
| 2    |    |   | 2-Isopropyl-10-methylphenanthrene   | 234 | C18H18   | 066552-97-4 | 93   |
| 3    |    |   | Phenanthrene, 2,4,5,7-tetramethyl-  | 234 | C18H18   | 007396-38-5 | 64   |
| 4    |    |   | Benzene, 1,3-bis(1,1-dimethyleth... | 234 | C16H26O  | 001518-53-2 | 52   |
| 5    |    |   | Ethanone, 1-(4,6-dihydroxy-2,3,5... | 234 | C13H14O4 | 021987-07-5 | 52   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020725\  
Data File : BF141515.D  
Acq On : 07 Feb 2025 18:35  
Operator : RC/JU  
Sample : Q1215-07  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

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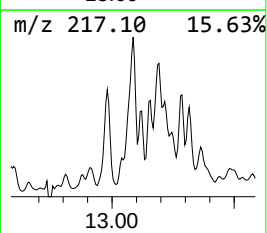
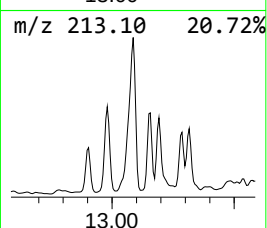
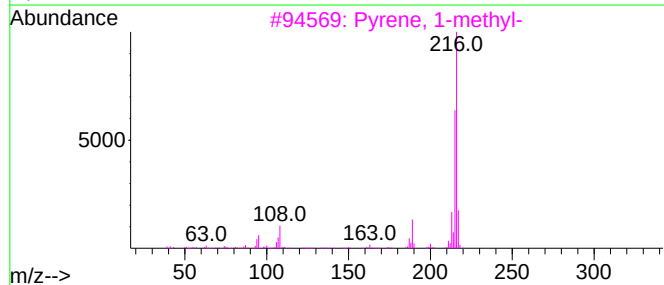
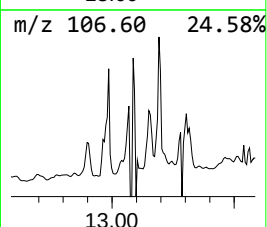
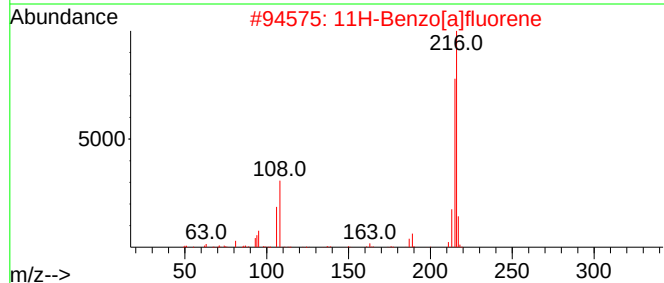
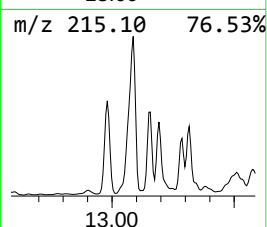
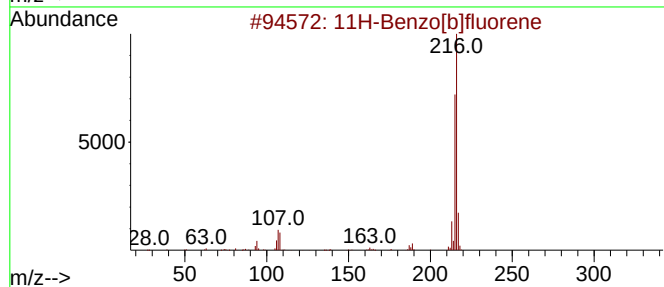
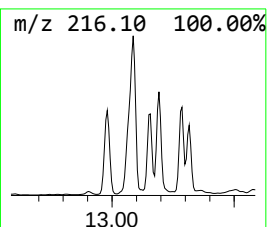
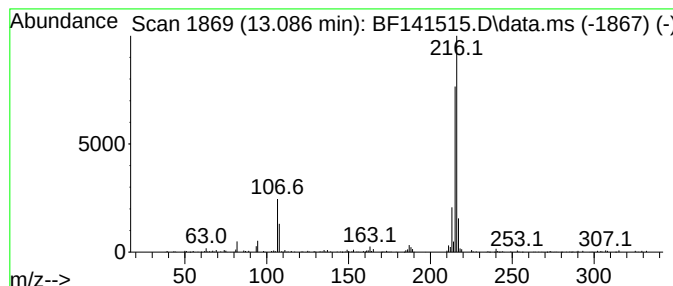
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 8 11H-Benzo[b]fluorene Concentration Rank 7

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.086 | 2.72 ng | 246585 | Chrysene-d12     | 13.963 |

| 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  | 87   |
| 3    |    |   | Pyrene, 1-methyl-                   | 216 | C17H12    | 002381-21-7  | 81   |
| 4    |    |   | Fluoranthene, 2-methyl-             | 216 | C17H12    | 033543-31-6  | 81   |
| 5    |    |   | 6H-Thiazolo[5,4-e]indole, 2,7,8-... | 216 | C12H12N2S | 1000338-32-0 | 59   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020725\  
Data File : BF141515.D  
Acq On : 07 Feb 2025 18:35  
Operator : RC/JU  
Sample : Q1215-07  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
JPP-29.2-012825

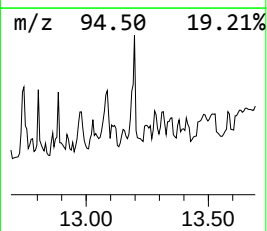
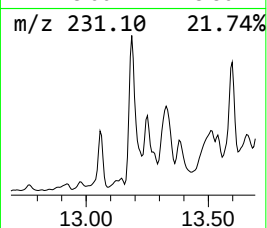
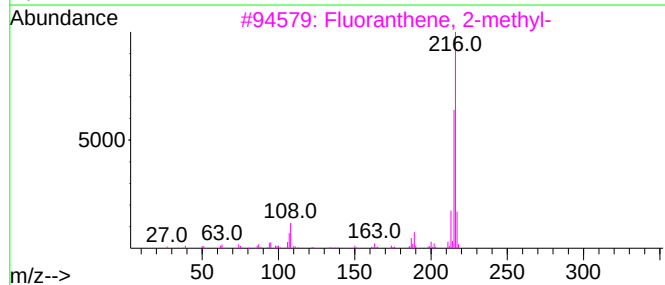
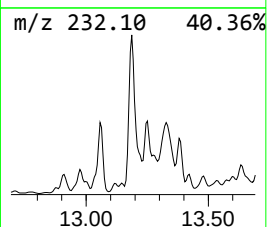
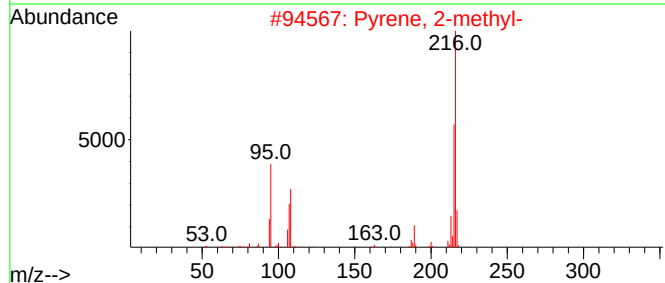
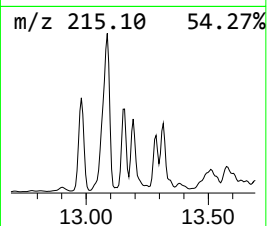
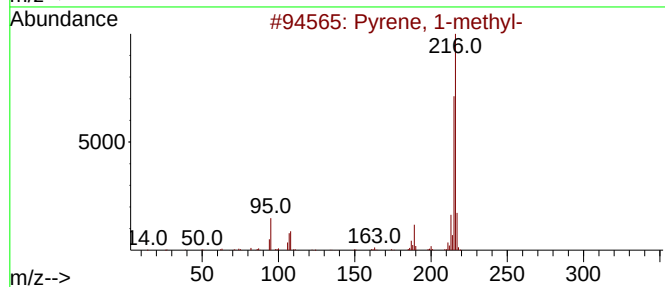
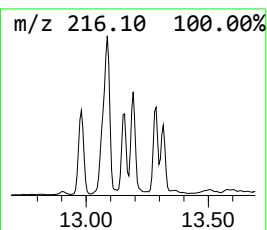
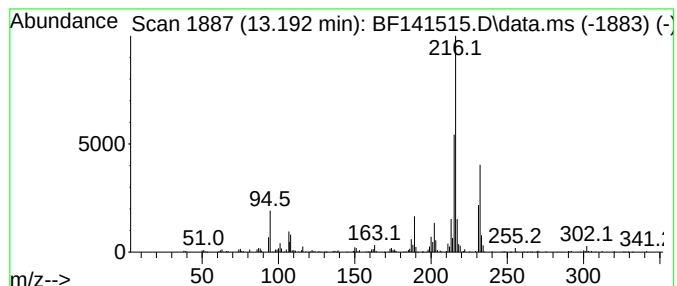
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 9 Pyrene, 2-methyl- Concentration Rank 6

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.192 | 3.32 ng | 300814 | Chrysene-d12     | 13.963 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Pyrene, 1-methyl-       | 216 | C17H12  | 002381-21-7 | 92   |
| 2    |    |   | Pyrene, 2-methyl-       | 216 | C17H12  | 003442-78-2 | 83   |
| 3    |    |   | Fluoranthene, 2-methyl- | 216 | C17H12  | 033543-31-6 | 55   |
| 4    |    |   | 11H-Benzo[a]fluorene    | 216 | C17H12  | 000238-84-6 | 53   |
| 5    |    |   | Pyrene, 4-methyl-       | 216 | C17H12  | 003353-12-6 | 50   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020725\  
Data File : BF141515.D  
Acq On : 07 Feb 2025 18:35  
Operator : RC/JU  
Sample : Q1215-07  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
JPP-29.2-012825

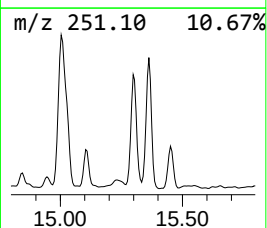
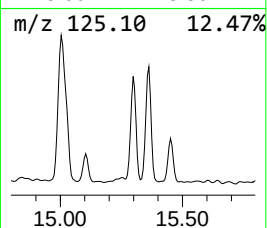
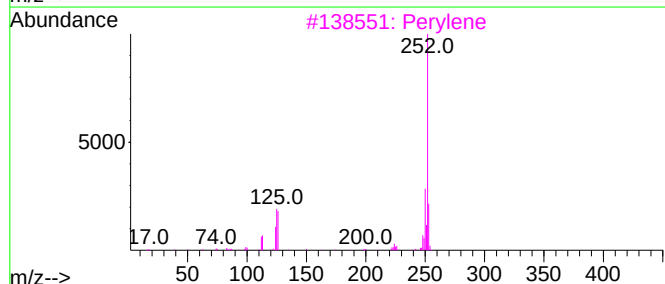
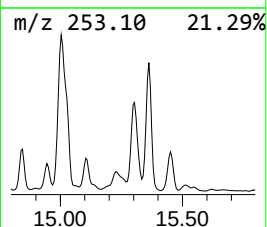
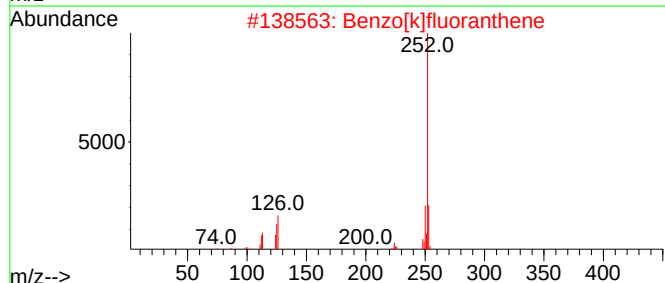
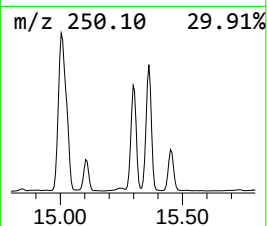
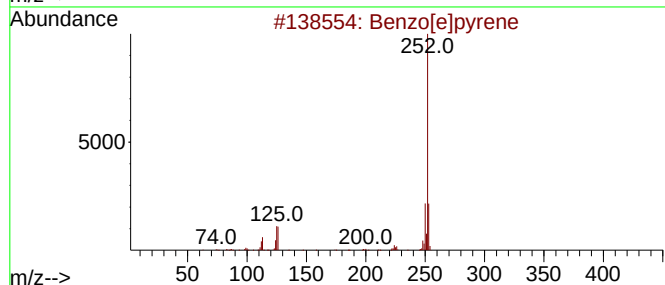
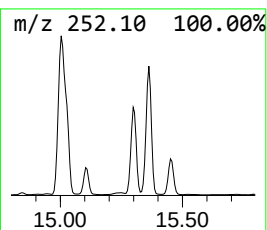
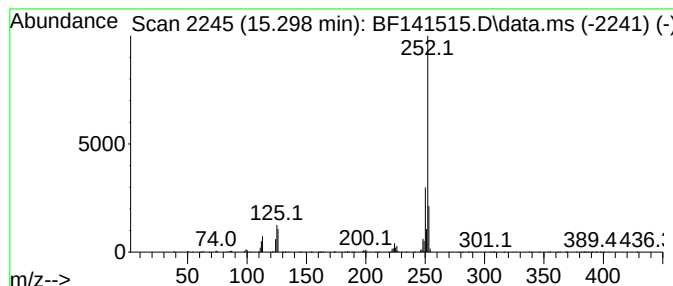
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF020625.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 10 Benzo[e]pyrene Concentration Rank 1

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 15.298 | 38.22 ng | 608912 | Perylene-d12     | 15.421 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Benzo[e]pyrene       | 252 | C20H12  | 000192-97-2 | 99   |
| 2    |    |   | Benzo[k]fluoranthene | 252 | C20H12  | 000207-08-9 | 97   |
| 3    |    |   | Perylene             | 252 | C20H12  | 000198-55-0 | 94   |
| 4    |    |   | Benzo[j]fluoranthene | 252 | C20H12  | 000205-82-3 | 93   |
| 5    |    |   | Benzo[a]pyrene       | 252 | C20H12  | 000050-32-8 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020725\  
Data File : BF141515.D  
Acq On : 07 Feb 2025 18:35  
Operator : RC/JU  
Sample : Q1215-07  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
JPP-29.2-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF020625.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 |
| Benzene, [1-(2,... | 10.439 | 2.0     | ng    | 73539    | 3                     | 9.828  | 717884  | 20.0 |
| Benzophenone       | 10.539 | 5.3     | ng    | 189437   | 3                     | 9.828  | 717884  | 20.0 |
| Phenanthrene, 2... | 11.816 | 2.0     | ng    | 247286   | 4                     | 11.316 | 2447620 | 20.0 |
| Phenanthrene, 1... | 11.845 | 4.2     | ng    | 515224   | 4                     | 11.316 | 2447620 | 20.0 |
| Benzaldehyde, 3... | 11.928 | 5.2     | ng    | 640695   | 4                     | 11.316 | 2447620 | 20.0 |
| Pyrene, 1-methyl-  | 12.980 | 3.5     | ng    | 314704   | 5                     | 13.963 | 1813180 | 20.0 |
| Retene             | 13.039 | 2.1     | ng    | 194208   | 5                     | 13.963 | 1813180 | 20.0 |
| 11H-Benzo[b]flu... | 13.086 | 2.7     | ng    | 246585   | 5                     | 13.963 | 1813180 | 20.0 |
| Pyrene, 2-methyl-  | 13.192 | 3.3     | ng    | 300814   | 5                     | 13.963 | 1813180 | 20.0 |
| Benzo[e]pyrene     | 15.298 | 38.2    | ng    | 608912   | 6                     | 15.421 | 318670  | 20.0 |