

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061623\  
 Data File : BF133821.D  
 Acq On : 16 Jun 2023 23:03  
 Operator : CG\JU  
 Sample : 03224-12 2X  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMPOSIT-SB-15

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060923.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF133821.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         | 2.152       | 6             | 11          | 20           | rVB      | 143965         | 211278        | 13.24%          | 1.309%        |
| 2         | 5.099       | 508           | 512         | 518          | rBV      | 64341          | 76361         | 4.79%           | 0.473%        |
| 3         | 5.498       | 576           | 580         | 583          | rBV      | 1443080        | 1347275       | 84.45%          | 8.347%        |
| 4         | 6.493       | 745           | 749         | 752          | rBV      | 1500768        | 1381723       | 86.61%          | 8.560%        |
| 5         | 6.693       | 780           | 783         | 786          | rBV2     | 25571          | 29403         | 1.84%           | 0.182%        |
| 6         | 6.863       | 809           | 812         | 816          | rBV      | 652692         | 513174        | 32.17%          | 3.179%        |
| 7         | 7.422       | 903           | 907         | 910          | rBV      | 1067404        | 851187        | 53.36%          | 5.273%        |
| 8         | 7.451       | 910           | 912         | 916          | rVB      | 24343          | 20454         | 1.28%           | 0.127%        |
| 9         | 8.140       | 1026          | 1029        | 1032         | rBV      | 772723         | 635041        | 39.81%          | 3.934%        |
| 10        | 8.416       | 1072          | 1076        | 1083         | rBV3     | 17508          | 26887         | 1.69%           | 0.167%        |
| 11        | 8.728       | 1126          | 1129        | 1132         | rBV      | 23044          | 20199         | 1.27%           | 0.125%        |
| 12        | 8.857       | 1148          | 1151        | 1158         | rVB      | 47491          | 45885         | 2.88%           | 0.284%        |
| 13        | 8.951       | 1164          | 1167        | 1170         | rBV      | 30851          | 26725         | 1.68%           | 0.166%        |
| 14        | 9.216       | 1208          | 1212        | 1215         | rBV      | 2029794        | 1595271       | 100.00%         | 9.883%        |
| 15        | 9.298       | 1223          | 1226        | 1228         | rBV      | 23704          | 21562         | 1.35%           | 0.134%        |
| 16        | 9.486       | 1254          | 1258        | 1261         | rBV2     | 19622          | 24832         | 1.56%           | 0.154%        |
| 17        | 9.557       | 1267          | 1270        | 1272         | rBV      | 29101          | 28497         | 1.79%           | 0.177%        |
| 18        | 9.757       | 1301          | 1304        | 1308         | rBV      | 66733          | 59103         | 3.70%           | 0.366%        |
| 19        | 9.898       | 1321          | 1328        | 1331         | rBV      | 786775         | 628030        | 39.37%          | 3.891%        |
| 20        | 9.928       | 1331          | 1333        | 1337         | rVB2     | 32803          | 32716         | 2.05%           | 0.203%        |
| 21        | 10.104      | 1359          | 1363        | 1366         | rVB2     | 50597          | 45993         | 2.88%           | 0.285%        |
| 22        | 10.304      | 1393          | 1397        | 1399         | rBV3     | 18018          | 20873         | 1.31%           | 0.129%        |
| 23        | 10.328      | 1399          | 1401        | 1404         | rVB2     | 28862          | 22832         | 1.43%           | 0.141%        |
| 24        | 10.445      | 1418          | 1421        | 1427         | rBV3     | 37717          | 48802         | 3.06%           | 0.302%        |
| 25        | 10.610      | 1445          | 1449        | 1456         | rVB2     | 71757          | 79625         | 4.99%           | 0.493%        |
| 26        | 10.686      | 1459          | 1462        | 1467         | rBV      | 915180         | 842833        | 52.83%          | 5.222%        |
| 27        | 10.816      | 1479          | 1484        | 1488         | rBV3     | 49294          | 65233         | 4.09%           | 0.404%        |
| 28        | 10.998      | 1509          | 1515        | 1517         | rBV5     | 17935          | 26361         | 1.65%           | 0.163%        |
| 29        | 11.128      | 1533          | 1537        | 1539         | rBV2     | 22441          | 22624         | 1.42%           | 0.140%        |
| 30        | 11.192      | 1546          | 1548        | 1553         | rBV2     | 38721          | 37417         | 2.35%           | 0.232%        |
| 31        | 11.251      | 1553          | 1558        | 1562         | rVV4     | 30237          | 52752         | 3.31%           | 0.327%        |
| 32        | 11.286      | 1562          | 1564        | 1569         | rVB      | 36517          | 35594         | 2.23%           | 0.221%        |
| 33        | 11.392      | 1578          | 1582        | 1584         | rBV      | 801862         | 671554        | 42.10%          | 4.160%        |
| 34        | 11.416      | 1584          | 1586        | 1589         | rVV      | 399882         | 302503        | 18.96%          | 1.874%        |
| 35        | 11.469      | 1592          | 1595        | 1598         | rVB      | 107071         | 85230         | 5.34%           | 0.528%        |
| 36        | 11.628      | 1618          | 1622        | 1627         | rBV      | 28649          | 34676         | 2.17%           | 0.215%        |

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Instrument :  
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 COMPOSIT-SB-15

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060923.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 37 | 11.722 | 1636 | 1638 | 1644 | rVB3 | 20222   | 21531   | 1.35%  | 0.133% |
| 38 | 11.898 | 1662 | 1668 | 1669 | rBV2 | 68626   | 79857   | 5.01%  | 0.495% |
| 39 | 11.922 | 1669 | 1672 | 1676 | rVV2 | 166848  | 173510  | 10.88% | 1.075% |
| 40 | 11.975 | 1678 | 1681 | 1683 | rVV  | 30545   | 34593   | 2.17%  | 0.214% |
| 41 | 12.010 | 1683 | 1687 | 1689 | rVV2 | 95292   | 108533  | 6.80%  | 0.672% |
| 42 | 12.027 | 1689 | 1690 | 1695 | rVB  | 45929   | 38480   | 2.41%  | 0.238% |
| 43 | 12.192 | 1715 | 1718 | 1720 | rBV  | 54781   | 45788   | 2.87%  | 0.284% |
| 44 | 12.216 | 1720 | 1722 | 1726 | rVB2 | 43108   | 42331   | 2.65%  | 0.262% |
| 45 | 12.345 | 1742 | 1744 | 1746 | rVB  | 27093   | 20531   | 1.29%  | 0.127% |
| 46 | 12.375 | 1746 | 1749 | 1751 | rBV  | 30409   | 23653   | 1.48%  | 0.147% |
| 47 | 12.451 | 1758 | 1762 | 1765 | rBV2 | 55994   | 59460   | 3.73%  | 0.368% |
| 48 | 12.486 | 1765 | 1768 | 1770 | rVV2 | 41261   | 42885   | 2.69%  | 0.266% |
| 49 | 12.533 | 1774 | 1776 | 1781 | rVB  | 59394   | 59785   | 3.75%  | 0.370% |
| 50 | 12.610 | 1786 | 1789 | 1793 | rBV  | 659615  | 615025  | 38.55% | 3.810% |
| 51 | 12.710 | 1803 | 1806 | 1808 | rBV2 | 31208   | 27246   | 1.71%  | 0.169% |
| 52 | 12.845 | 1822 | 1829 | 1834 | rBV  | 556055  | 636359  | 39.89% | 3.942% |
| 53 | 12.892 | 1834 | 1837 | 1841 | rVB2 | 35887   | 47829   | 3.00%  | 0.296% |
| 54 | 12.963 | 1846 | 1849 | 1850 | rBV  | 31665   | 30966   | 1.94%  | 0.192% |
| 55 | 12.986 | 1850 | 1853 | 1860 | rVB  | 1570861 | 1356186 | 85.01% | 8.402% |
| 56 | 13.057 | 1862 | 1865 | 1870 | rBV4 | 47584   | 74301   | 4.66%  | 0.460% |
| 57 | 13.145 | 1878 | 1880 | 1882 | rBV3 | 36209   | 42312   | 2.65%  | 0.262% |
| 58 | 13.174 | 1882 | 1885 | 1888 | rVB  | 70986   | 76004   | 4.76%  | 0.471% |
| 59 | 13.239 | 1894 | 1896 | 1898 | rVB  | 47025   | 32546   | 2.04%  | 0.202% |
| 60 | 13.274 | 1898 | 1902 | 1905 | rBV2 | 64606   | 75812   | 4.75%  | 0.470% |
| 61 | 13.369 | 1916 | 1918 | 1921 | rVB  | 30848   | 28910   | 1.81%  | 0.179% |
| 62 | 13.398 | 1921 | 1923 | 1927 | rBV2 | 31197   | 31686   | 1.99%  | 0.196% |
| 63 | 13.680 | 1969 | 1971 | 1976 | rBV  | 65995   | 69485   | 4.36%  | 0.430% |
| 64 | 13.792 | 1987 | 1990 | 1993 | rBV2 | 49140   | 63444   | 3.98%  | 0.393% |
| 65 | 13.827 | 1993 | 1996 | 1997 | rVV  | 42879   | 33550   | 2.10%  | 0.208% |
| 66 | 13.845 | 1997 | 1999 | 2004 | rVV2 | 31027   | 52229   | 3.27%  | 0.324% |
| 67 | 13.892 | 2005 | 2007 | 2013 | rVB  | 106550  | 111633  | 7.00%  | 0.692% |
| 68 | 14.051 | 2028 | 2034 | 2036 | rBV2 | 567667  | 734728  | 46.06% | 4.552% |
| 69 | 14.074 | 2036 | 2038 | 2044 | rVB  | 265991  | 253687  | 15.90% | 1.572% |
| 70 | 14.145 | 2047 | 2050 | 2054 | rVB2 | 71371   | 90800   | 5.69%  | 0.563% |
| 71 | 15.110 | 2211 | 2214 | 2218 | rBV  | 188062  | 286349  | 17.95% | 1.774% |
| 72 | 15.427 | 2265 | 2268 | 2273 | rVB  | 101367  | 126403  | 7.92%  | 0.783% |
| 73 | 15.492 | 2276 | 2279 | 2286 | rVB  | 140099  | 180807  | 11.33% | 1.120% |
| 74 | 15.563 | 2286 | 2291 | 2294 | rBV  | 254887  | 341796  | 21.43% | 2.117% |

Sum of corrected areas: 16141535

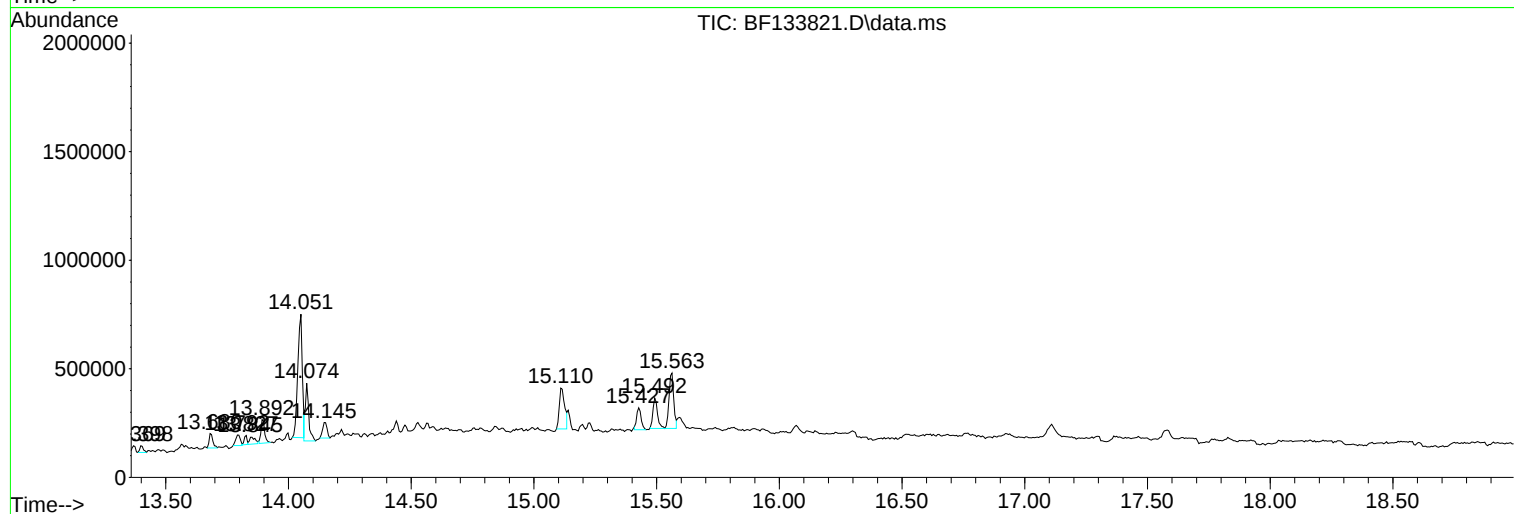
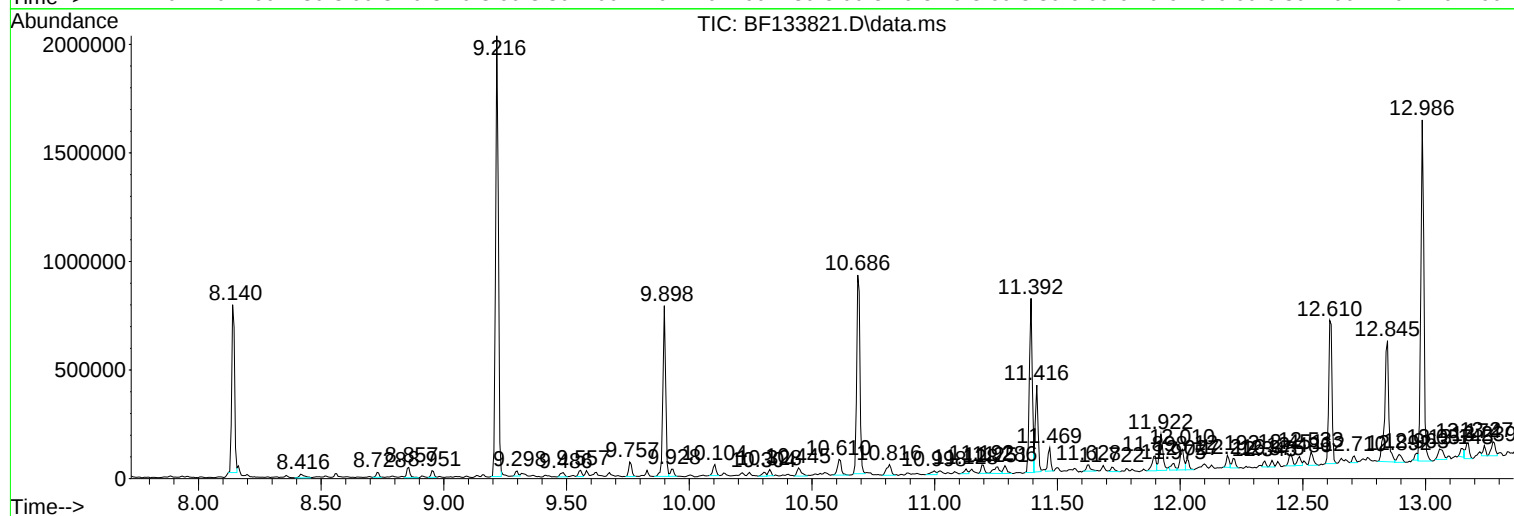
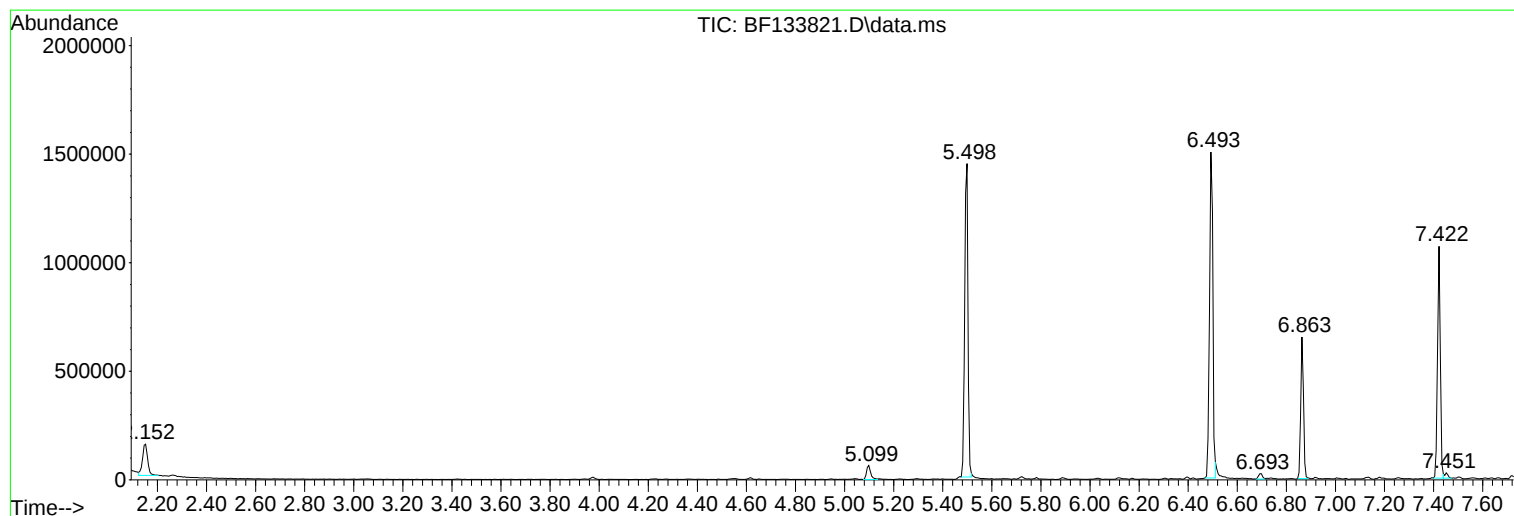
**Instrument :**  
BNA\_F  
**ClientSampleId :**  
COMPOSIT-SB-15

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061623\  
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Sample : 03224-12 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSIT-SB-15

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

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



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061623\  
Data File : BF133821.D  
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Misc :  
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Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSIT-SB-15

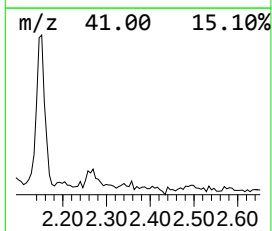
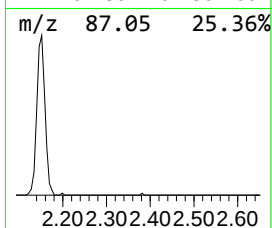
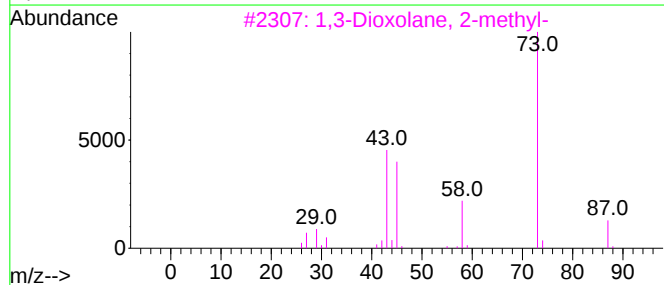
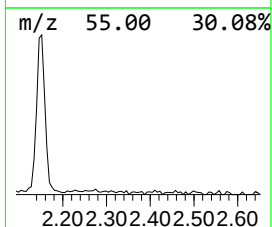
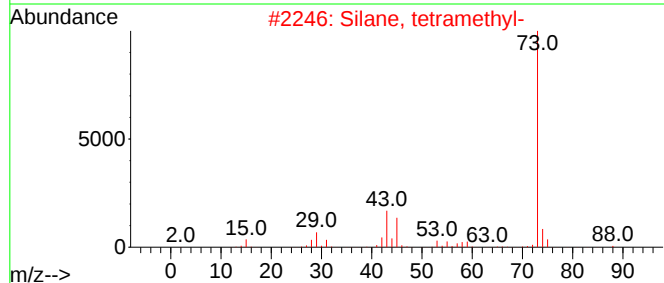
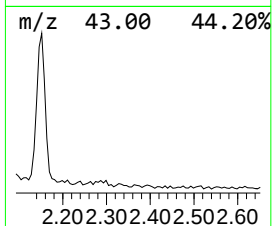
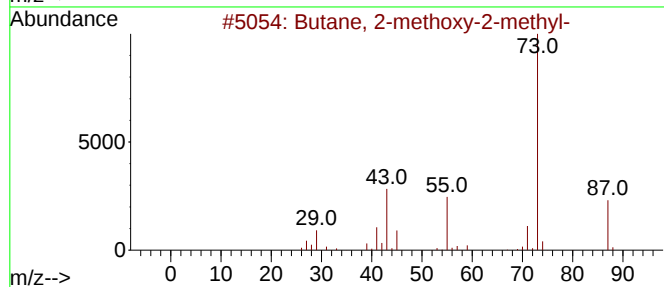
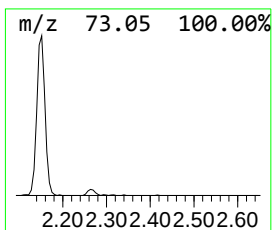
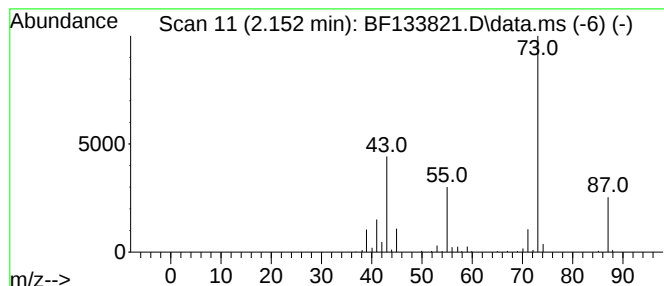
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 2.152 | 8.23 ng | 211278 | 1,4-Dichlorobenzene-d4 | 6.863 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 72   |
| 2    |    |   | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 35   |
| 3    |    |   | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 25   |
| 4    |    |   | Borane, dimethoxy-          | 74  | C2H7BO2 | 004542-61-4 | 9    |
| 5    |    |   | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 9    |



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Instrument :  
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ClientSampleId :  
COMPOSIT-SB-15

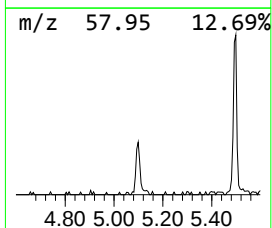
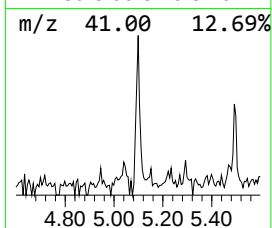
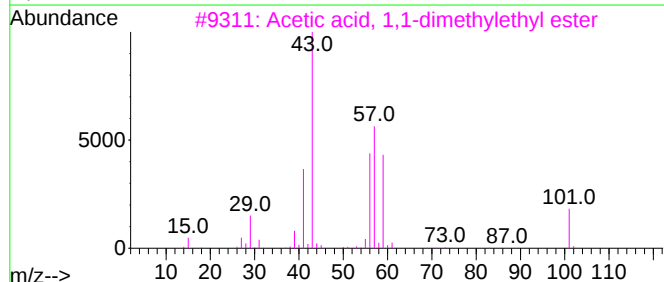
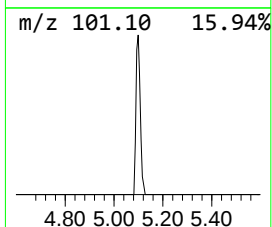
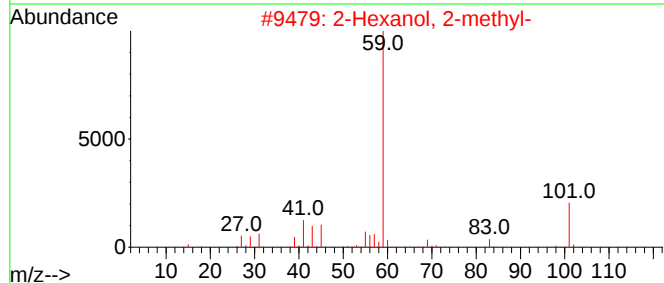
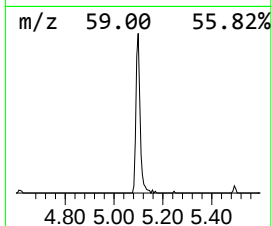
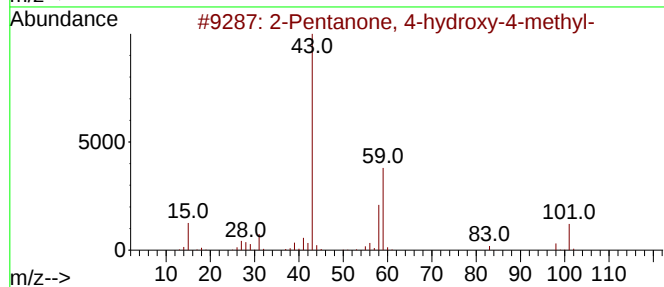
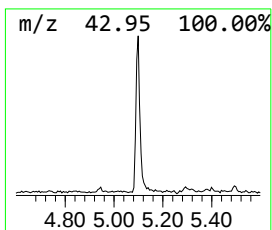
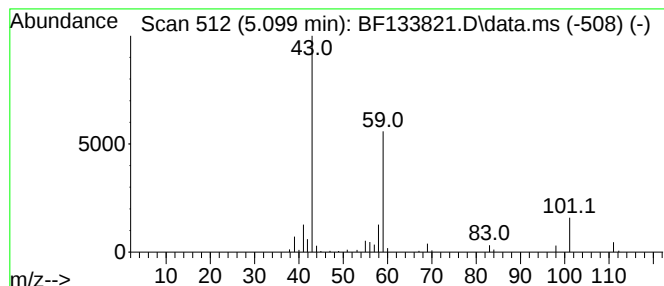
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060923.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

| R.T.      | EstConc                             | Area  | Relative to ISTD       |         |              | R.T.  |
|-----------|-------------------------------------|-------|------------------------|---------|--------------|-------|
| 5.099     | 2.98 ng                             | 76361 | 1,4-Dichlorobenzene-d4 |         |              | 6.863 |
| Hit# of 5 | Tentative ID                        |       | MW                     | MolForm | CAS#         | Qual  |
| 1         | 2-Pentanone, 4-hydroxy-4-methyl-    |       | 116                    | C6H12O2 | 000123-42-2  | 53    |
| 2         | 2-Hexanol, 2-methyl-                |       | 116                    | C7H16O  | 000625-23-0  | 47    |
| 3         | Acetic acid, 1,1-dimethylethyl e... |       | 116                    | C6H12O2 | 000540-88-5  | 36    |
| 4         | Butyl aldoxime, 3-methyl-, syn-     |       | 101                    | C5H11NO | 005780-40-5  | 32    |
| 5         | 2-Decanol, methyl ether             |       | 172                    | C11H24O | 1000333-83-9 | 25    |



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Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSIT-SB-15

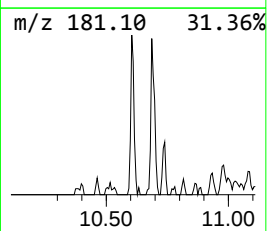
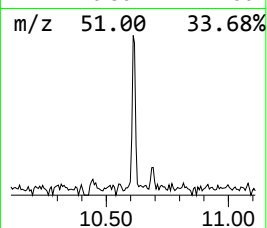
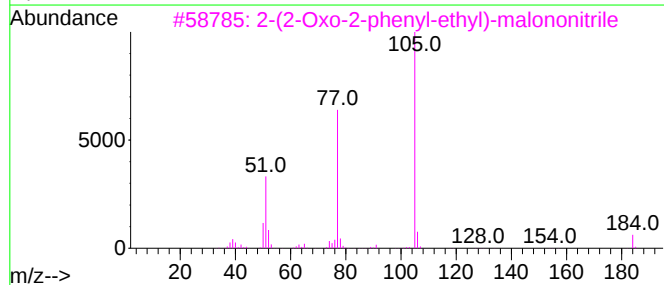
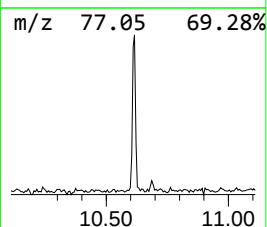
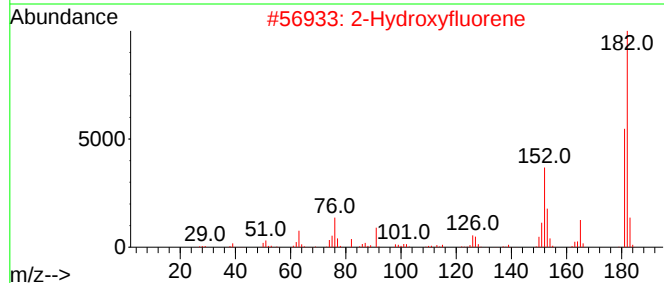
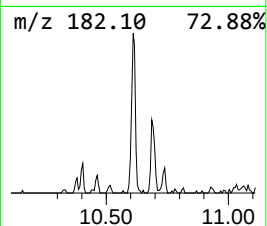
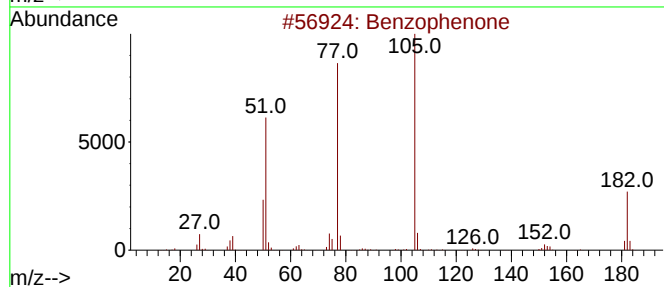
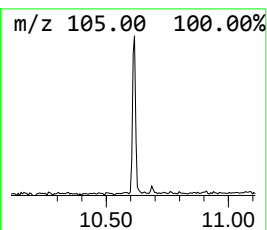
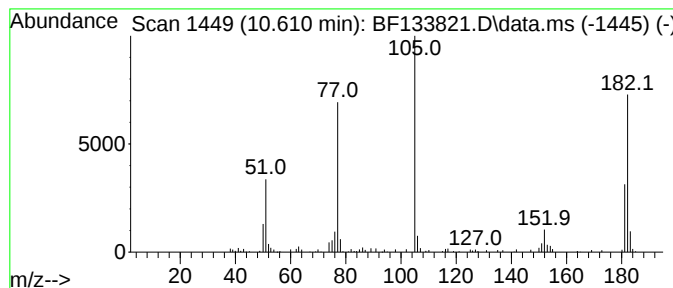
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 Benzophenone Concentration Rank 7

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.  |
|--------|---------|-------|------------------|-------|
| 10.610 | 2.54 ng | 79625 | Acenaphthene-d10 | 9.898 |

| Hit# | of | 5 | Tentative ID                           | MW  | MolForm  | CAS#         | Qual |
|------|----|---|----------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Benzophenone                           | 182 | C13H10O  | 000119-61-9  | 90   |
| 2    |    |   | 2-Hydroxyfluorene                      | 182 | C13H10O  | 002443-58-5  | 46   |
| 3    |    |   | 2-(2-Oxo-2-phenyl-ethyl)-malononitrile | 184 | C11H8N2O | 1000296-76-9 | 45   |
| 4    |    |   | Benzenecarbothioic acid, S-methyl-     | 152 | C8H8OS   | 005925-68-8  | 43   |
| 5    |    |   | 1,2-Propanedione, 1-phenyl-, 2-oxo-    | 163 | C9H9NO2  | 000119-51-7  | 38   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061623\  
Data File : BF133821.D  
Acq On : 16 Jun 2023 23:03  
Operator : CG\JU  
Sample : 03224-12 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSIT-SB-15

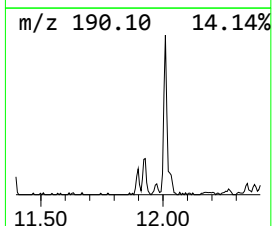
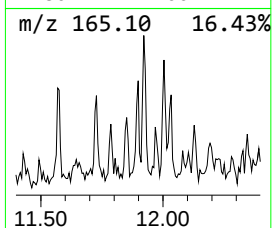
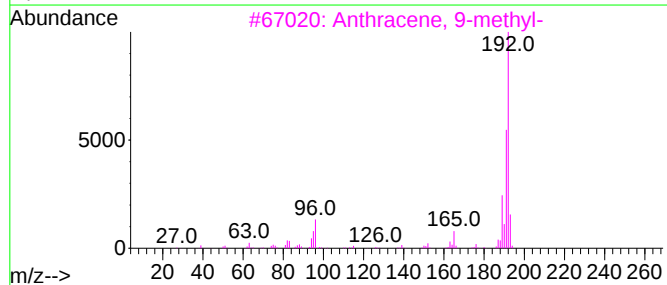
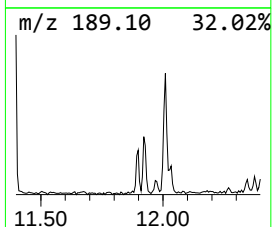
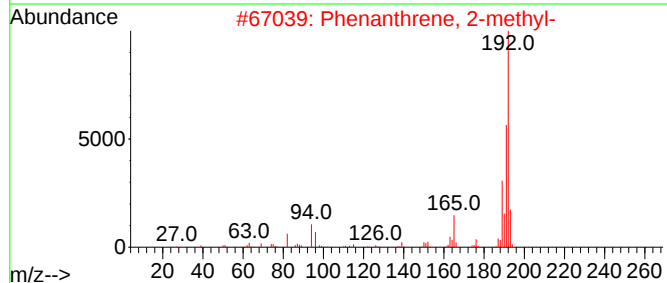
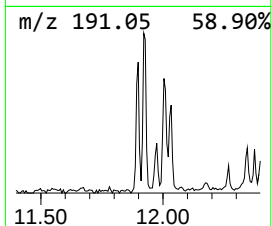
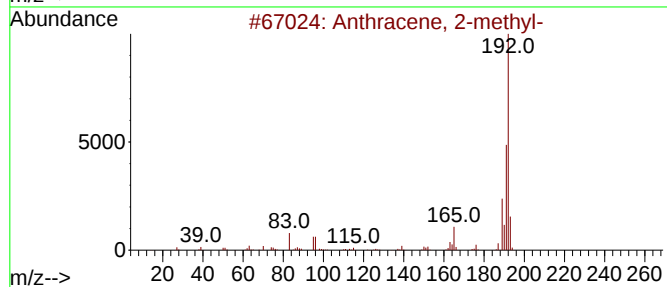
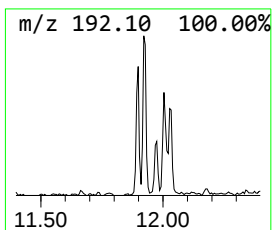
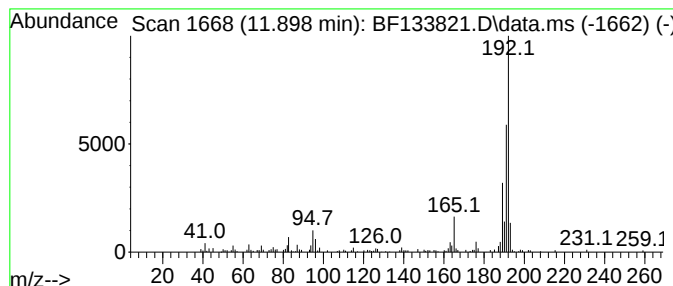
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 4 Anthracene, 2-methyl- Concentration Rank 9

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 11.898 | 2.38 ng | 79857 | Phenanthrene-d10 | 11.392 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Anthracene, 2-methyl-       | 192 | C15H12  | 000613-12-7 | 91   |
| 2    |    |   | Phenanthrene, 2-methyl-     | 192 | C15H12  | 002531-84-2 | 90   |
| 3    |    |   | Anthracene, 9-methyl-       | 192 | C15H12  | 000779-02-2 | 87   |
| 4    |    |   | 1H-Indene, 1-phenyl-        | 192 | C15H12  | 001961-96-2 | 81   |
| 5    |    |   | Naphtho[2,3-b]norbornadiene | 192 | C15H12  | 107426-38-0 | 81   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061623\  
Data File : BF133821.D  
Acq On : 16 Jun 2023 23:03  
Operator : CG\JU  
Sample : 03224-12 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSIT-SB-15

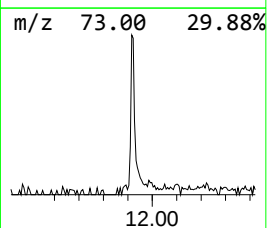
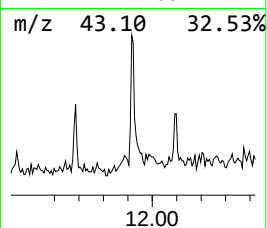
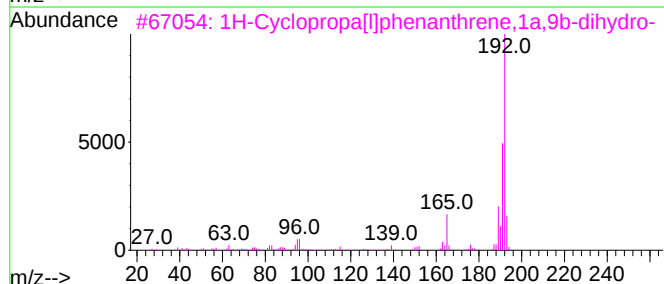
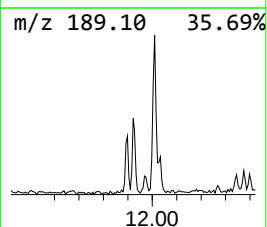
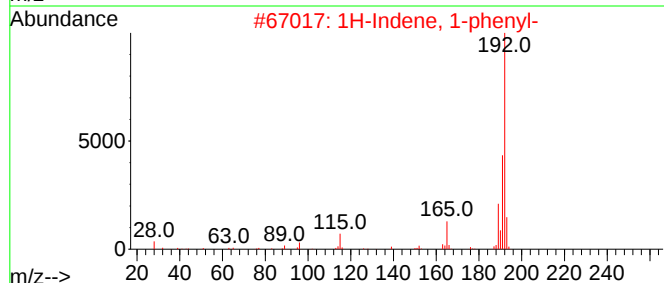
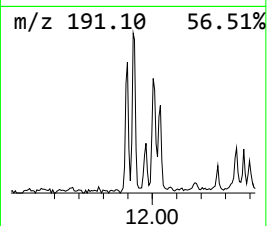
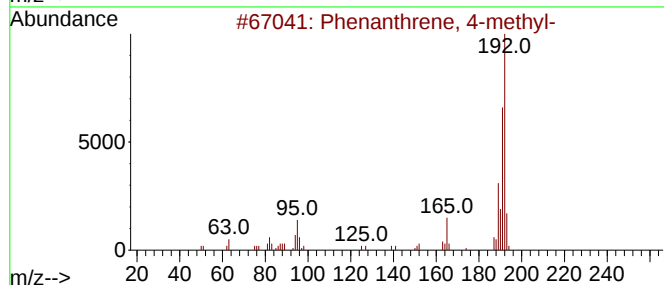
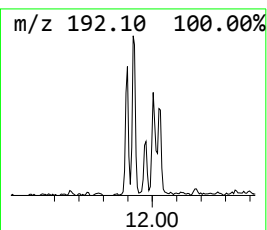
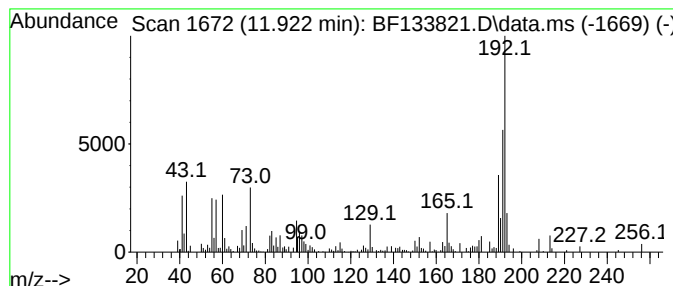
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 5 Phenanthrene, 4-methyl- Concentration Rank 3

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.922 | 5.17 ng | 173510 | Phenanthrene-d10 | 11.392 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 4-methyl-             | 192 | C15H12  | 000832-64-4 | 83   |
| 2    |    |   | 1H-Indene, 1-phenyl-                | 192 | C15H12  | 001961-96-2 | 70   |
| 3    |    |   | 1H-Cyclopropa[1]phenanthrene,1a,... | 192 | C15H12  | 000949-41-7 | 70   |
| 4    |    |   | Anthracene, 2-methyl-               | 192 | C15H12  | 000613-12-7 | 70   |
| 5    |    |   | Naphtho[2,3-b]norbornadiene         | 192 | C15H12  | 107426-38-0 | 70   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061623\  
Data File : BF133821.D  
Acq On : 16 Jun 2023 23:03  
Operator : CG\JU  
Sample : 03224-12 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSIT-SB-15

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060923.M  
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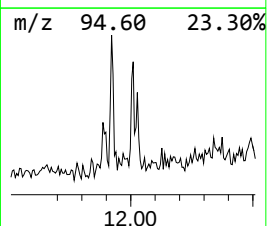
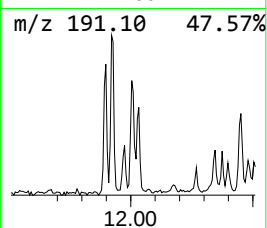
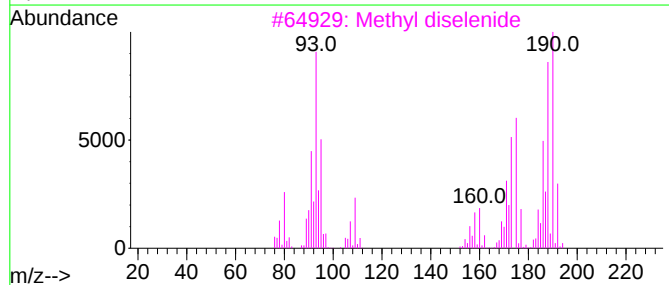
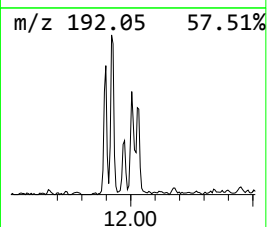
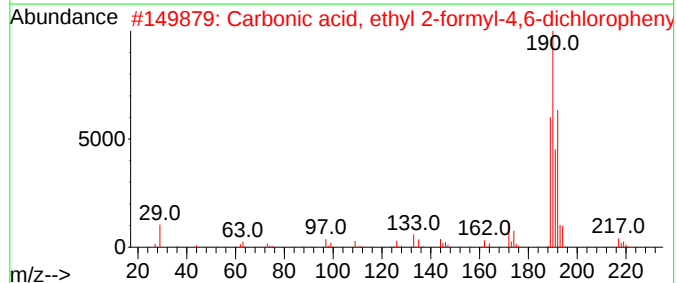
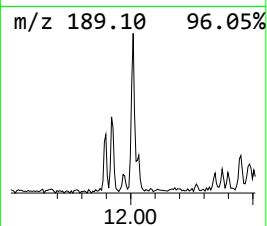
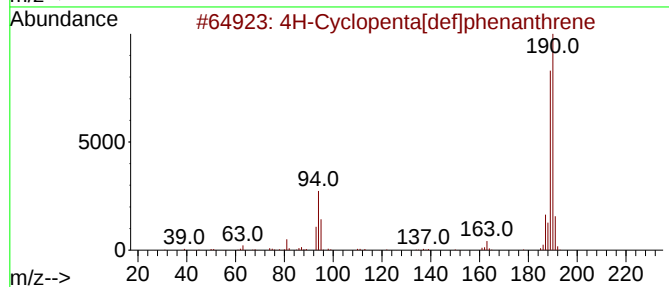
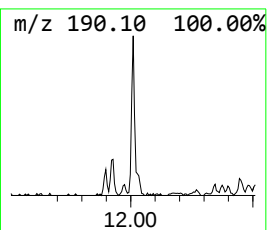
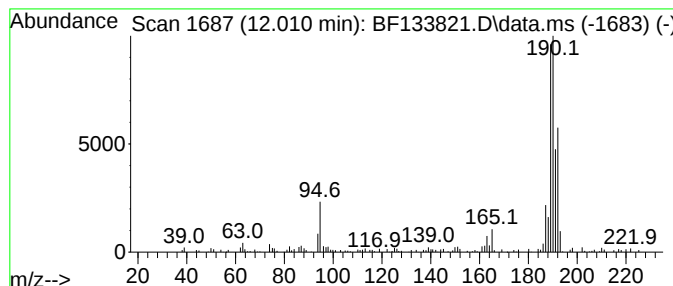
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 12.010 | 3.23 ng | 108533 | Phenanthrene-d10 | 11.392 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10     | 000203-64-5  | 70   |
| 2    |    |   | Carbonic acid, ethyl 2-formyl-4,... | 262 | C10H8Cl2O4 | 1000331-34-4 | 50   |
| 3    |    |   | Methyl diselenide                   | 190 | C2H6Se2    | 007101-31-7  | 45   |
| 4    |    |   | 1H-Indene, 2-phenyl-                | 192 | C15H12     | 004505-48-0  | 25   |
| 5    |    |   | 5H-Dibenzo[a,d]cycloheptene         | 192 | C15H12     | 000256-81-5  | 25   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061623\  
Data File : BF133821.D  
Acq On : 16 Jun 2023 23:03  
Operator : CG\JU  
Sample : 03224-12 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSIT-SB-15

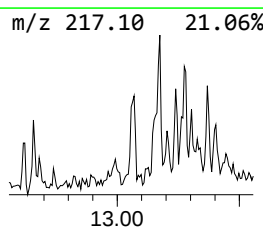
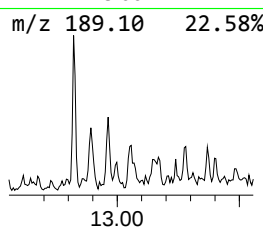
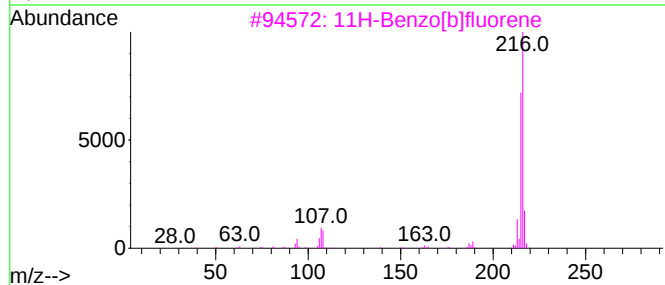
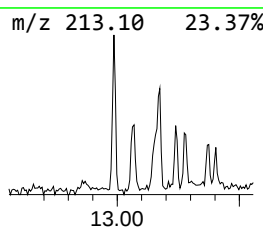
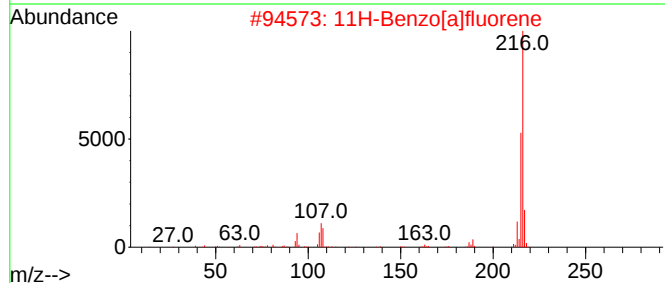
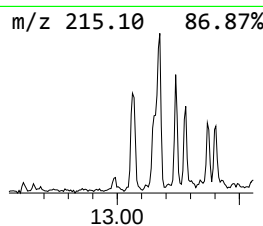
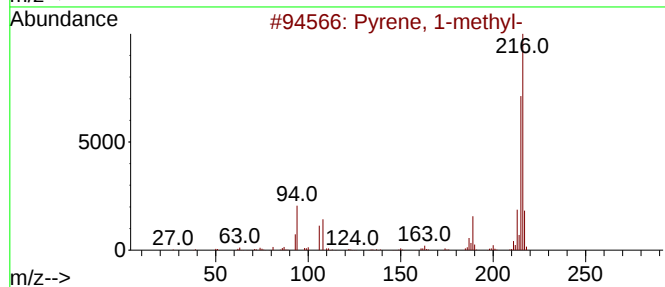
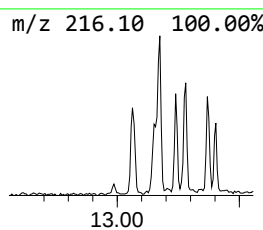
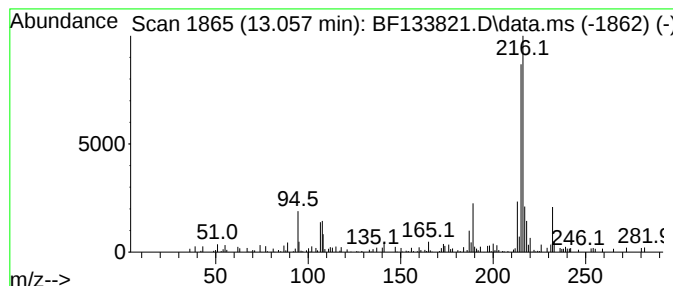
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 7 Pyrene, 1-methyl- Concentration Rank 12

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 13.057 | 2.02 ng | 74301 | Chrysene-d12     | 14.051 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Pyrene, 1-methyl-       | 216 | C17H12  | 002381-21-7 | 89   |
| 2    |    |   | 11H-Benzo[a]fluorene    | 216 | C17H12  | 000238-84-6 | 81   |
| 3    |    |   | 11H-Benzo[b]fluorene    | 216 | C17H12  | 000243-17-4 | 81   |
| 4    |    |   | Fluoranthene, 2-methyl- | 216 | C17H12  | 033543-31-6 | 62   |
| 5    |    |   | 7H-Benzo[c]fluorene     | 216 | C17H12  | 000205-12-9 | 53   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061623\  
Data File : BF133821.D  
Acq On : 16 Jun 2023 23:03  
Operator : CG\JU  
Sample : 03224-12 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSIT-SB-15

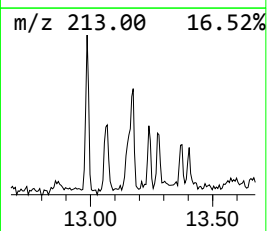
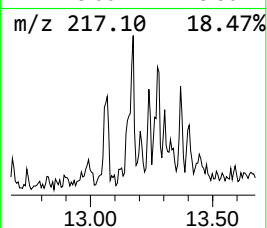
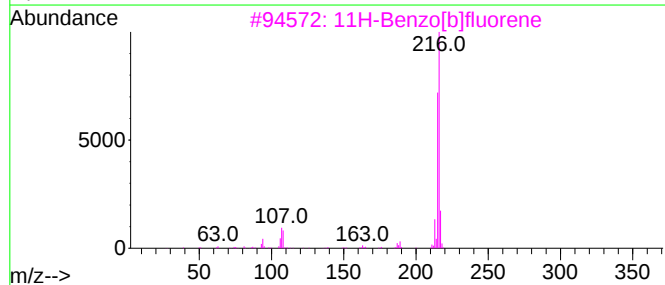
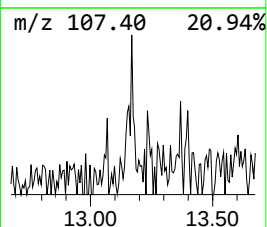
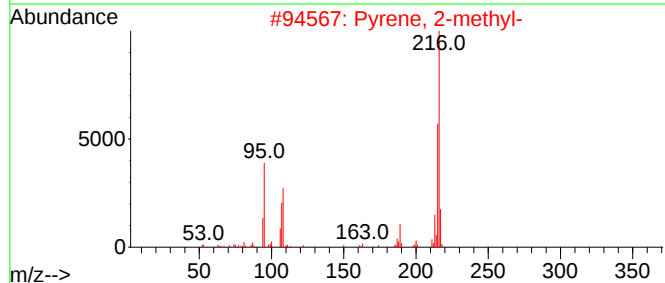
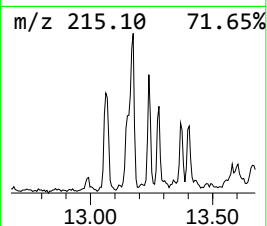
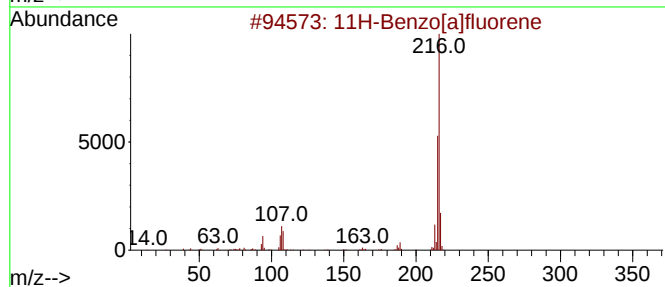
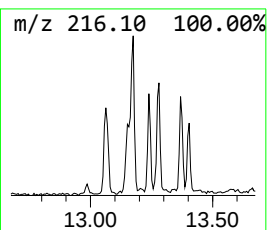
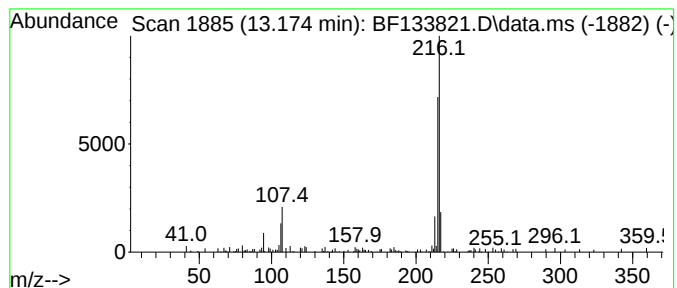
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 8 11H-Benzo[a]fluorene Concentration Rank 10

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 13.175 | 2.07 ng | 76004 | Chrysene-d12     | 14.051 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | 11H-Benzo[a]fluorene    | 216 | C17H12  | 000238-84-6 | 91   |
| 2    |    |   | Pyrene, 2-methyl-       | 216 | C17H12  | 003442-78-2 | 91   |
| 3    |    |   | 11H-Benzo[b]fluorene    | 216 | C17H12  | 000243-17-4 | 83   |
| 4    |    |   | Fluoranthene, 2-methyl- | 216 | C17H12  | 033543-31-6 | 72   |
| 5    |    |   | 7H-Benzo[c]fluorene     | 216 | C17H12  | 000205-12-9 | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061623\  
Data File : BF133821.D  
Acq On : 16 Jun 2023 23:03  
Operator : CG\JU  
Sample : 03224-12 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSIT-SB-15

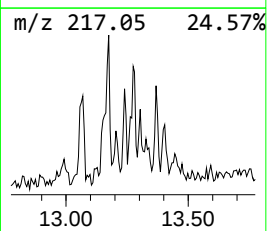
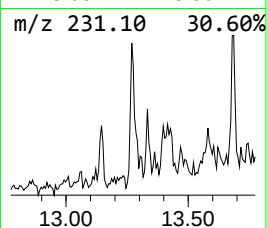
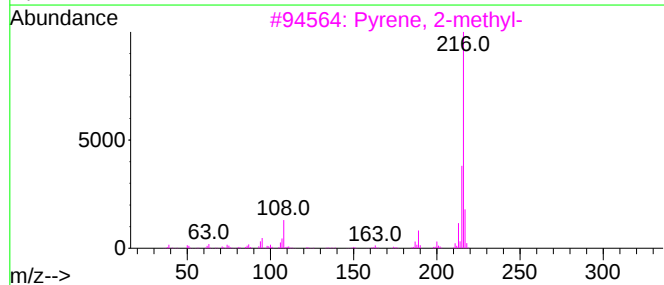
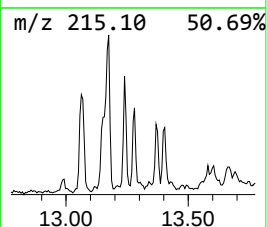
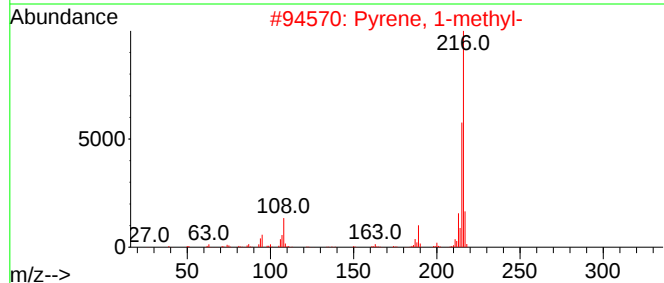
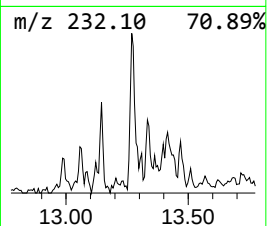
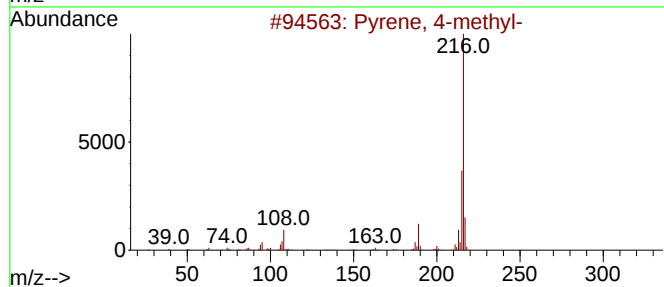
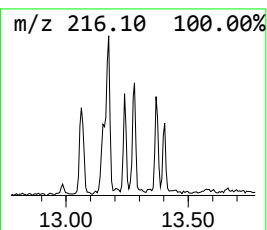
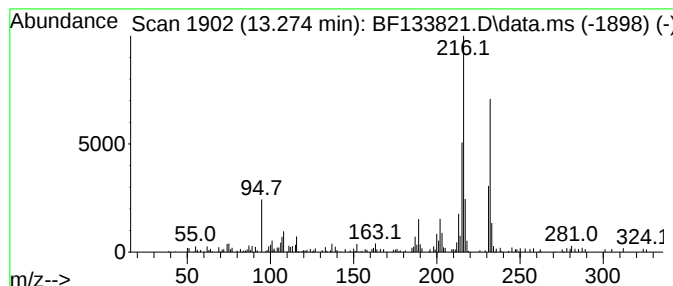
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 9 Pyrene, 4-methyl- Concentration Rank 11

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 13.275 | 2.06 ng | 75812 | Chrysene-d12     | 14.051 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Pyrene, 4-methyl-    | 216 | C17H12  | 003353-12-6 | 60   |
| 2    |    |   | Pyrene, 1-methyl-    | 216 | C17H12  | 002381-21-7 | 60   |
| 3    |    |   | Pyrene, 2-methyl-    | 216 | C17H12  | 003442-78-2 | 60   |
| 4    |    |   | 11H-Benzo[a]fluorene | 216 | C17H12  | 000238-84-6 | 49   |
| 5    |    |   | 11H-Benzo[b]fluorene | 216 | C17H12  | 000243-17-4 | 46   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061623\  
Data File : BF133821.D  
Acq On : 16 Jun 2023 23:03  
Operator : CG\JU  
Sample : 03224-12 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSIT-SB-15

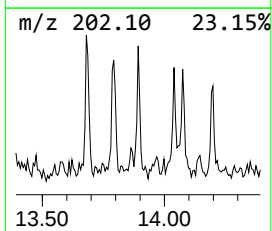
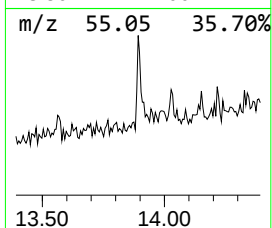
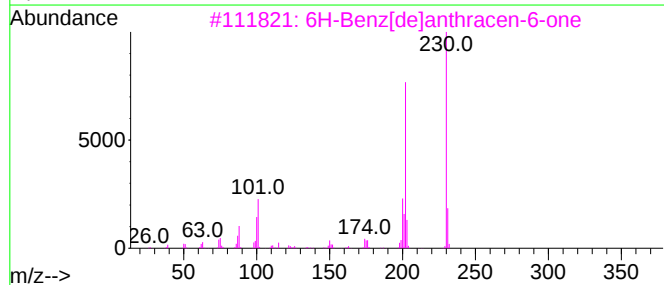
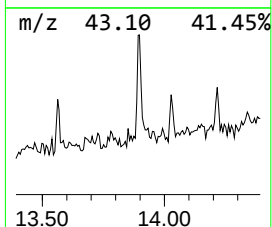
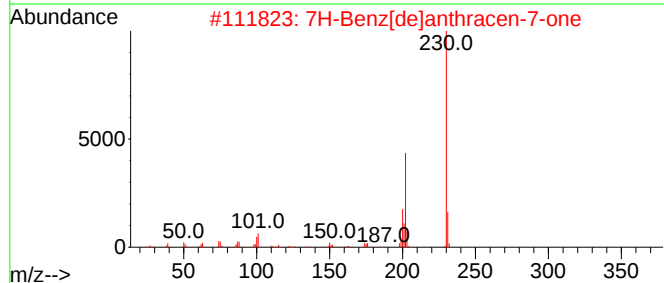
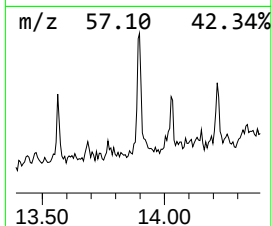
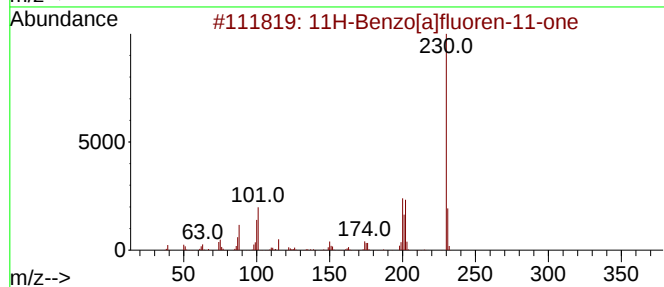
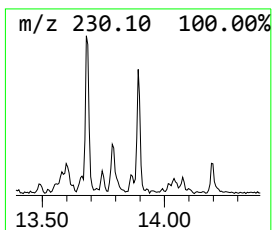
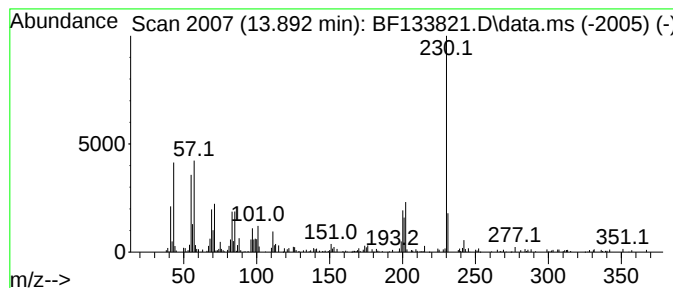
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 10 11H-Benzo[a]fluoren-11-one Concentration Rank 5

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.892 | 3.04 ng | 111633 | Chrysene-d12     | 14.051 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|------|-------------------------------------|-----|-------------|--------------|------|
| 1    |      | 11H-Benzo[a]fluoren-11-one          | 230 | C17H10O     | 000479-79-8  | 89   |
| 2    |      | 7H-Benz[de]anthracen-7-one          | 230 | C17H10O     | 000082-05-3  | 64   |
| 3    |      | 6H-Benz[de]anthracen-6-one          | 230 | C17H10O     | 080252-14-8  | 58   |
| 4    |      | 8-Hydroxyquinoline-5-carbaldehyd... | 245 | C13H15N02Si | 1010463-63-7 | 43   |
| 5    |      | 1-Pyrenecarboxaldehyde              | 230 | C17H10O     | 003029-19-4  | 42   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061623\  
Data File : BF133821.D  
Acq On : 16 Jun 2023 23:03  
Operator : CG\JU  
Sample : 03224-12 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSIT-SB-15

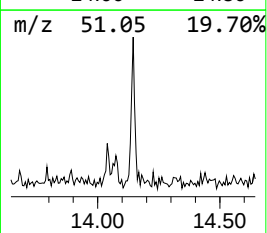
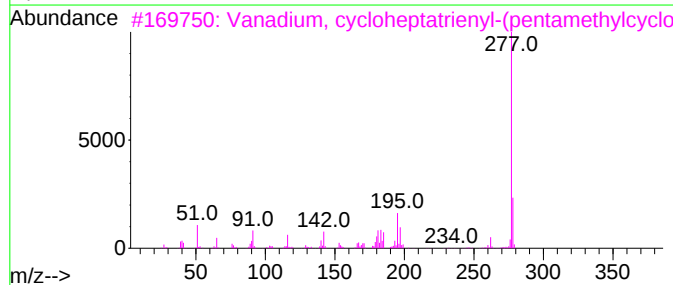
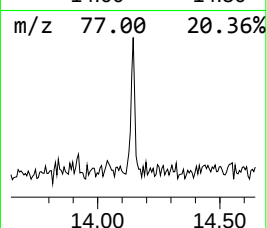
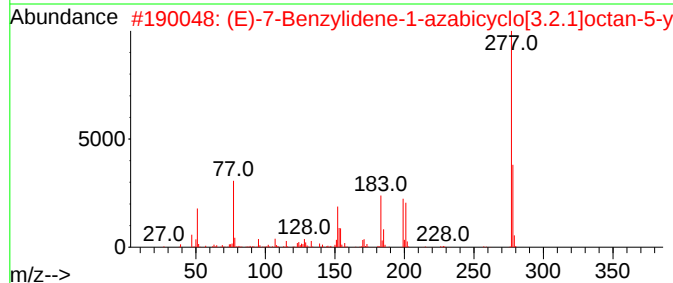
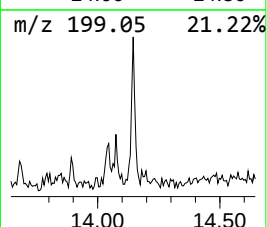
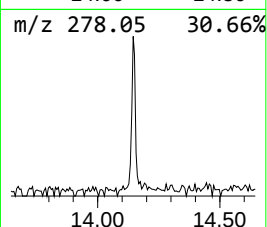
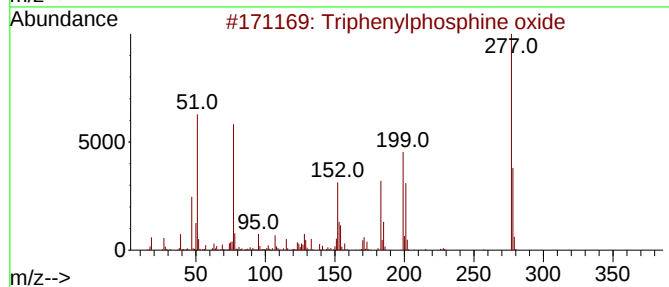
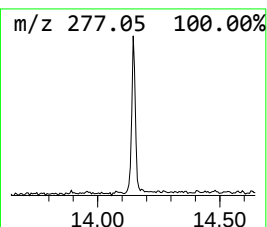
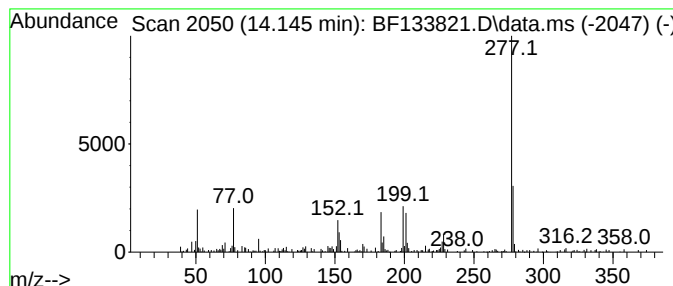
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 11 Triphenylphosphine oxide Concentration Rank 8

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 14.145 | 2.47 ng | 90800 | Chrysene-d12     | 14.051 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm    | CAS#         | Qual |
|------|----|---|--------------------------------------|-----|------------|--------------|------|
| 1    |    |   | Triphenylphosphine oxide             | 278 | C18H15OP   | 000791-28-6  | 83   |
| 2    |    |   | (E)-7-Benzylidene-1-azabicyclo[3...] | 293 | C15H19NO3S | 1000483-83-4 | 68   |
| 3    |    |   | Vanadium, cycloheptatrienyl-(pen...  | 277 | C17H22V    | 1000155-20-5 | 52   |
| 4    |    |   | 2-Phenyl-6-(trifluoromethyl)-1H-...  | 277 | C15H10F3NO | 1000387-59-3 | 50   |
| 5    |    |   | Dimethoxymethyl-hydroxy-tripheny...  | 354 | C21H23O3P  | 1000132-00-1 | 50   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061623\  
Data File : BF133821.D  
Acq On : 16 Jun 2023 23:03  
Operator : CG\JU  
Sample : 03224-12 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSIT-SB-15

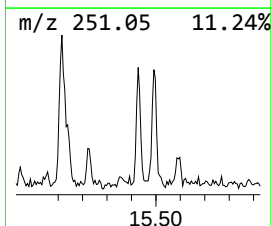
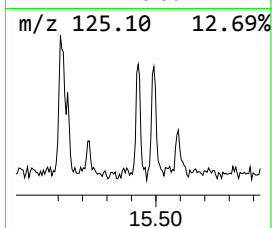
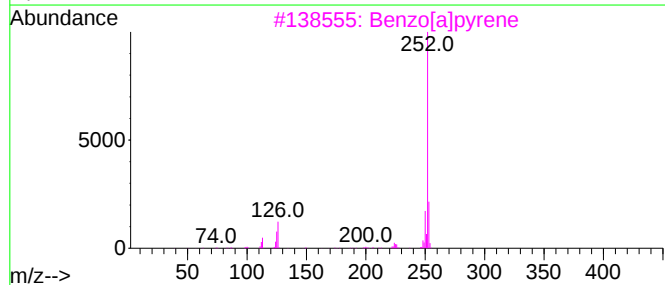
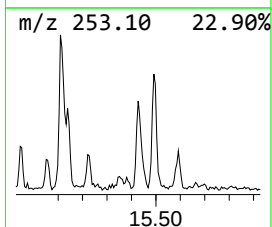
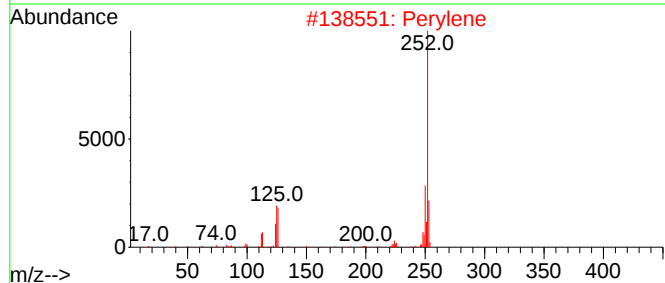
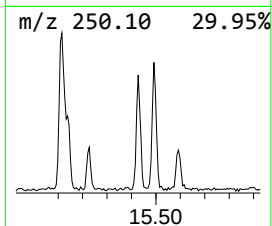
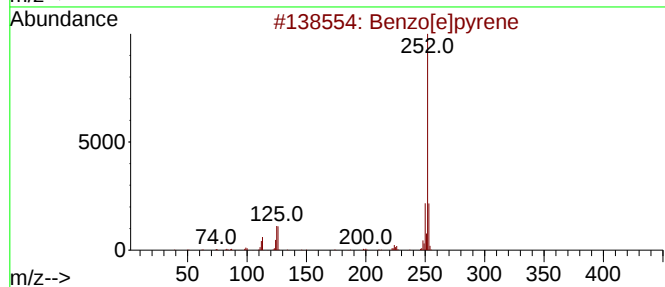
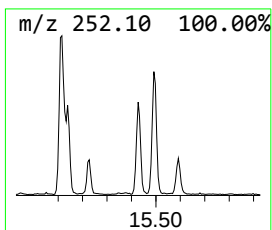
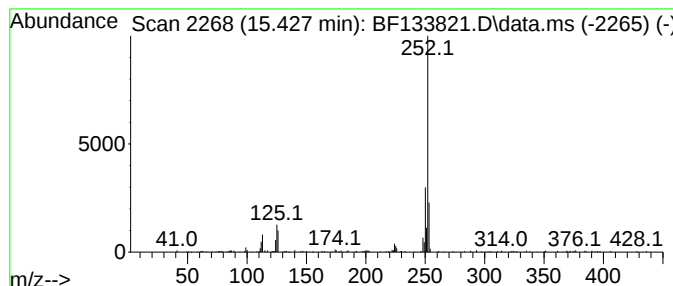
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 12 Benzo[e]pyrene Concentration Rank 2

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 15.427 | 7.40 ng | 126403 | Perylene-d12     | 15.563 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Benzo[e]pyrene       | 252 | C20H12  | 000192-97-2 | 93   |
| 2    |    |   | Perylene             | 252 | C20H12  | 000198-55-0 | 90   |
| 3    |    |   | Benzo[a]pyrene       | 252 | C20H12  | 000050-32-8 | 90   |
| 4    |    |   | Benzo[b]fluoranthene | 252 | C20H12  | 000205-99-2 | 90   |
| 5    |    |   | Benzo[k]fluoranthene | 252 | C20H12  | 000207-08-9 | 81   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061623\  
 Data File : BF133821.D  
 Acq On : 16 Jun 2023 23:03  
 Operator : CG\JU  
 Sample : 03224-12 2X  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMPOSIT-SB-15

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

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| Butane, 2-metho... | 2.152  | 8.2     | ng    | 211278   | 1                     | 6.863  | 513174 | 20.0 |
| 2-Pentanone, 4-... | 5.099  | 3.0     | ng    | 76361    | 1                     | 6.863  | 513174 | 20.0 |
| Benzophenone       | 10.610 | 2.5     | ng    | 79625    | 3                     | 9.898  | 628030 | 20.0 |
| Anthracene, 2-m... | 11.898 | 2.4     | ng    | 79857    | 4                     | 11.392 | 671554 | 20.0 |
| Phenanthrene, 4... | 11.922 | 5.2     | ng    | 173510   | 4                     | 11.392 | 671554 | 20.0 |
| 4H-Cyclopenta[d... | 12.010 | 3.2     | ng    | 108533   | 4                     | 11.392 | 671554 | 20.0 |
| Pyrene, 1-methyl-  | 13.057 | 2.0     | ng    | 74301    | 5                     | 14.051 | 734728 | 20.0 |
| 11H-Benzo[a]flu... | 13.175 | 2.1     | ng    | 76004    | 5                     | 14.051 | 734728 | 20.0 |
| Pyrene, 4-methyl-  | 13.275 | 2.1     | ng    | 75812    | 5                     | 14.051 | 734728 | 20.0 |
| 11H-Benzo[a]flu... | 13.892 | 3.0     | ng    | 111633   | 5                     | 14.051 | 734728 | 20.0 |
| Triphenylphosph... | 14.145 | 2.5     | ng    | 90800    | 5                     | 14.051 | 734728 | 20.0 |
| Benzo[e]pyrene     | 15.427 | 7.4     | ng    | 126403   | 6                     | 15.563 | 341796 | 20.0 |