

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF020119\  
 Data File : BF112360.D  
 Acq On : 1 Feb 2019 19:13  
 Operator : JU/SJ  
 Sample : K1011-15 10X  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OR-02-013119-B

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0  
 Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 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-BF012519.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 5.469       | 572           | 575         | 592          | rBV      | 237855         | 312263        | 10.40%          | 0.791%        |
| 2         | 6.487       | 745           | 748         | 766          | rBV      | 248383         | 334349        | 11.13%          | 0.847%        |
| 3         | 6.616       | 766           | 770         | 778          | rBV      | 363390         | 377136        | 12.56%          | 0.956%        |
| 4         | 6.834       | 804           | 807         | 821          | rBV      | 918444         | 901605        | 30.02%          | 2.285%        |
| 5         | 6.992       | 830           | 834         | 843          | rBV      | 365309         | 316147        | 10.53%          | 0.801%        |
| 6         | 7.398       | 900           | 903         | 916          | rBV      | 168778         | 206090        | 6.86%           | 0.522%        |
| 7         | 8.122       | 1022          | 1026        | 1034         | rBV      | 1132502        | 1177043       | 39.19%          | 2.983%        |
| 8         | 8.833       | 1144          | 1147        | 1155         | rBV      | 50820          | 55918         | 1.86%           | 0.142%        |
| 9         | 8.933       | 1160          | 1164        | 1171         | rBV      | 49309          | 52811         | 1.76%           | 0.134%        |
| 10        | 9.192       | 1204          | 1208        | 1218         | rBV      | 478410         | 463597        | 15.44%          | 1.175%        |
| 11        | 9.463       | 1249          | 1254        | 1258         | rBV      | 38172          | 55058         | 1.83%           | 0.140%        |
| 12        | 9.533       | 1262          | 1266        | 1268         | rVV      | 70648          | 71590         | 2.38%           | 0.181%        |
| 13        | 9.586       | 1272          | 1275        | 1282         | rVB4     | 41290          | 68971         | 2.30%           | 0.175%        |
| 14        | 9.733       | 1297          | 1300        | 1304         | rBV      | 88689          | 83062         | 2.77%           | 0.210%        |
| 15        | 9.875       | 1317          | 1324        | 1327         | rBV      | 1370211        | 1280531       | 42.64%          | 3.245%        |
| 16        | 9.904       | 1327          | 1329        | 1339         | rVB      | 198770         | 195799        | 6.52%           | 0.496%        |
| 17        | 10.080      | 1353          | 1359        | 1362         | rBV2     | 107604         | 119663        | 3.98%           | 0.303%        |
| 18        | 10.422      | 1414          | 1417        | 1423         | rVB      | 172333         | 174479        | 5.81%           | 0.442%        |
| 19        | 10.580      | 1440          | 1444        | 1447         | rVB2     | 48329          | 61850         | 2.06%           | 0.157%        |
| 20        | 10.663      | 1455          | 1458        | 1464         | rBV      | 253069         | 270737        | 9.02%           | 0.686%        |
| 21        | 10.786      | 1474          | 1479        | 1485         | rVB4     | 77538          | 126464        | 4.21%           | 0.320%        |
| 22        | 10.969      | 1505          | 1510        | 1513         | rBV2     | 64118          | 89816         | 2.99%           | 0.228%        |
| 23        | 10.998      | 1513          | 1515        | 1518         | rVV      | 59108          | 55570         | 1.85%           | 0.141%        |
| 24        | 11.098      | 1527          | 1532        | 1534         | rBV2     | 51280          | 77614         | 2.58%           | 0.197%        |
| 25        | 11.116      | 1534          | 1535        | 1541         | rVV2     | 53664          | 62280         | 2.07%           | 0.158%        |
| 26        | 11.216      | 1548          | 1552        | 1555         | rVV3     | 77690          | 105481        | 3.51%           | 0.267%        |
| 27        | 11.257      | 1555          | 1559        | 1563         | rVB2     | 107104         | 127991        | 4.26%           | 0.324%        |
| 28        | 11.363      | 1573          | 1577        | 1579         | rBV      | 1117608        | 1198896       | 39.92%          | 3.038%        |
| 29        | 11.380      | 1579          | 1580        | 1586         | rVV      | 1117367        | 969407        | 32.28%          | 2.456%        |
| 30        | 11.433      | 1586          | 1589        | 1592         | rVV      | 408408         | 382732        | 12.74%          | 0.970%        |
| 31        | 11.474      | 1592          | 1596        | 1598         | rVV2     | 58453          | 94373         | 3.14%           | 0.239%        |
| 32        | 11.521      | 1601          | 1604        | 1609         | rVV6     | 28771          | 56979         | 1.90%           | 0.144%        |
| 33        | 11.598      | 1613          | 1617        | 1622         | rVV2     | 61099          | 122674        | 4.08%           | 0.311%        |
| 34        | 11.645      | 1622          | 1625        | 1628         | rVV2     | 94270          | 104808        | 3.49%           | 0.266%        |

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 BNA\_F  
 ClientSampleId :  
 OR-02-013119-B

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

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-BF012519.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 11.692 | 1628 | 1633 | 1638 | rVV3 | 73605   | 97434   | 3.24%   | 0.247% |
| 36 | 11.863 | 1658 | 1662 | 1664 | rBV  | 251870  | 243093  | 8.09%   | 0.616% |
| 37 | 11.892 | 1664 | 1667 | 1671 | rVB  | 333560  | 325370  | 10.83%  | 0.824% |
| 38 | 11.939 | 1671 | 1675 | 1677 | rBV  | 169232  | 163315  | 5.44%   | 0.414% |
| 39 | 11.974 | 1677 | 1681 | 1683 | rVV2 | 473532  | 520517  | 17.33%  | 1.319% |
| 40 | 11.998 | 1683 | 1685 | 1689 | rVB  | 203484  | 172917  | 5.76%   | 0.438% |
| 41 | 12.051 | 1690 | 1694 | 1699 | rBV4 | 65894   | 82960   | 2.76%   | 0.210% |
| 42 | 12.157 | 1708 | 1712 | 1714 | rVV  | 167534  | 182269  | 6.07%   | 0.462% |
| 43 | 12.186 | 1715 | 1717 | 1721 | rVB4 | 74478   | 84566   | 2.82%   | 0.214% |
| 44 | 12.304 | 1732 | 1737 | 1740 | rBV2 | 123448  | 155741  | 5.19%   | 0.395% |
| 45 | 12.333 | 1740 | 1742 | 1745 | rVV  | 125852  | 124514  | 4.15%   | 0.316% |
| 46 | 12.363 | 1745 | 1747 | 1749 | rVB  | 92351   | 72748   | 2.42%   | 0.184% |
| 47 | 12.410 | 1751 | 1755 | 1758 | rBV  | 348056  | 387286  | 12.90%  | 0.981% |
| 48 | 12.451 | 1758 | 1762 | 1764 | rVV3 | 228431  | 327516  | 10.91%  | 0.830% |
| 49 | 12.504 | 1767 | 1771 | 1775 | rBV3 | 197929  | 268668  | 8.95%   | 0.681% |
| 50 | 12.574 | 1779 | 1783 | 1787 | rBV  | 2649244 | 2419418 | 80.57%  | 6.131% |
| 51 | 12.616 | 1787 | 1790 | 1792 | rVV  | 75643   | 64622   | 2.15%   | 0.164% |
| 52 | 12.639 | 1792 | 1794 | 1796 | rVB2 | 79972   | 62306   | 2.07%   | 0.158% |
| 53 | 12.727 | 1805 | 1809 | 1811 | rBV2 | 99189   | 105447  | 3.51%   | 0.267% |
| 54 | 12.751 | 1811 | 1813 | 1816 | rVB3 | 69905   | 70810   | 2.36%   | 0.179% |
| 55 | 12.804 | 1816 | 1822 | 1828 | rBV  | 2427305 | 3003050 | 100.00% | 7.610% |
| 56 | 12.857 | 1828 | 1831 | 1835 | rVB2 | 195689  | 230346  | 7.67%   | 0.584% |
| 57 | 12.939 | 1835 | 1845 | 1847 | rBV2 | 457737  | 624545  | 20.80%  | 1.583% |
| 58 | 12.963 | 1847 | 1849 | 1853 | rVB2 | 122702  | 121163  | 4.03%   | 0.307% |
| 59 | 13.021 | 1854 | 1859 | 1866 | rBV4 | 263441  | 483040  | 16.08%  | 1.224% |
| 60 | 13.110 | 1870 | 1874 | 1875 | rBV2 | 219098  | 236518  | 7.88%   | 0.599% |
| 61 | 13.133 | 1875 | 1878 | 1881 | rVB  | 465643  | 471224  | 15.69%  | 1.194% |
| 62 | 13.198 | 1886 | 1889 | 1892 | rBV  | 359489  | 289090  | 9.63%   | 0.733% |
| 63 | 13.239 | 1892 | 1896 | 1899 | rBV2 | 389969  | 470220  | 15.66%  | 1.192% |
| 64 | 13.292 | 1903 | 1905 | 1908 | rVB2 | 86487   | 64550   | 2.15%   | 0.164% |
| 65 | 13.327 | 1908 | 1911 | 1914 | rBV  | 296171  | 267125  | 8.90%   | 0.677% |
| 66 | 13.357 | 1914 | 1916 | 1919 | rBV  | 254536  | 251212  | 8.37%   | 0.637% |
| 67 | 13.445 | 1929 | 1931 | 1934 | rVB  | 71737   | 63170   | 2.10%   | 0.160% |
| 68 | 13.510 | 1939 | 1942 | 1944 | rBV3 | 87380   | 99605   | 3.32%   | 0.252% |
| 69 | 13.533 | 1944 | 1946 | 1948 | rVV2 | 67342   | 75347   | 2.51%   | 0.191% |
| 70 | 13.557 | 1948 | 1950 | 1952 | rVB  | 73477   | 65003   | 2.16%   | 0.165% |
| 71 | 13.615 | 1957 | 1960 | 1962 | rBV  | 99815   | 107059  | 3.57%   | 0.271% |

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Integration Parameters: rteint.p

Integrator: RTE

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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|     |        |      |      |      |      |         |         |        |        |
|-----|--------|------|------|------|------|---------|---------|--------|--------|
| 72  | 13.645 | 1962 | 1965 | 1968 | rVB  | 223563  | 204487  | 6.81%  | 0.518% |
| 73  | 13.704 | 1973 | 1975 | 1978 | rVV  | 86314   | 74141   | 2.47%  | 0.188% |
| 74  | 13.751 | 1979 | 1983 | 1985 | rVV2 | 305031  | 360132  | 11.99% | 0.913% |
| 75  | 13.774 | 1985 | 1987 | 1990 | rVV  | 280519  | 293350  | 9.77%  | 0.743% |
| 76  | 13.804 | 1990 | 1992 | 1998 | rVV3 | 257442  | 435858  | 14.51% | 1.104% |
| 77  | 13.851 | 1998 | 2000 | 2004 | rVB  | 199089  | 212435  | 7.07%  | 0.538% |
| 78  | 13.998 | 2018 | 2025 | 2028 | rBV2 | 2012100 | 2968553 | 98.85% | 7.522% |
| 79  | 14.033 | 2028 | 2031 | 2034 | rVV  | 1452216 | 1420767 | 47.31% | 3.600% |
| 80  | 14.086 | 2038 | 2040 | 2042 | rBV  | 74552   | 72208   | 2.40%  | 0.183% |
| 81  | 14.110 | 2042 | 2044 | 2047 | rVB  | 322651  | 242050  | 8.06%  | 0.613% |
| 82  | 14.151 | 2049 | 2051 | 2054 | rBV2 | 128213  | 142837  | 4.76%  | 0.362% |
| 83  | 14.221 | 2061 | 2063 | 2068 | rBV2 | 102277  | 145463  | 4.84%  | 0.369% |
| 84  | 14.351 | 2083 | 2085 | 2087 | rBV  | 173760  | 154452  | 5.14%  | 0.391% |
| 85  | 14.392 | 2087 | 2092 | 2094 | rVV  | 447007  | 494413  | 16.46% | 1.253% |
| 86  | 14.421 | 2095 | 2097 | 2100 | rVB  | 195225  | 158149  | 5.27%  | 0.401% |
| 87  | 14.462 | 2101 | 2104 | 2106 | rBV3 | 119919  | 144685  | 4.82%  | 0.367% |
| 88  | 14.486 | 2106 | 2108 | 2111 | rVB  | 135515  | 95291   | 3.17%  | 0.241% |
| 89  | 14.515 | 2111 | 2113 | 2115 | rBV  | 235500  | 193446  | 6.44%  | 0.490% |
| 90  | 14.580 | 2120 | 2124 | 2128 | rVV2 | 156964  | 208032  | 6.93%  | 0.527% |
| 91  | 14.710 | 2143 | 2146 | 2147 | rBV2 | 99727   | 102766  | 3.42%  | 0.260% |
| 92  | 14.886 | 2173 | 2176 | 2179 | rBV  | 179356  | 204194  | 6.80%  | 0.517% |
| 93  | 15.051 | 2199 | 2204 | 2207 | rBV  | 1424344 | 2274418 | 75.74% | 5.763% |
| 94  | 15.157 | 2218 | 2222 | 2226 | rBV  | 330682  | 368465  | 12.27% | 0.934% |
| 95  | 15.351 | 2251 | 2255 | 2261 | rVB  | 800096  | 1032830 | 34.39% | 2.617% |
| 96  | 15.415 | 2261 | 2266 | 2270 | rBV  | 1290409 | 1618374 | 53.89% | 4.101% |
| 97  | 15.474 | 2272 | 2276 | 2279 | rVV2 | 715460  | 919472  | 30.62% | 2.330% |
| 98  | 15.504 | 2279 | 2281 | 2289 | rVB2 | 340594  | 485817  | 16.18% | 1.231% |
| 99  | 16.956 | 2522 | 2528 | 2536 | rVB  | 432612  | 854782  | 28.46% | 2.166% |
| 100 | 17.403 | 2599 | 2604 | 2611 | rVB  | 300589  | 574366  | 19.13% | 1.455% |

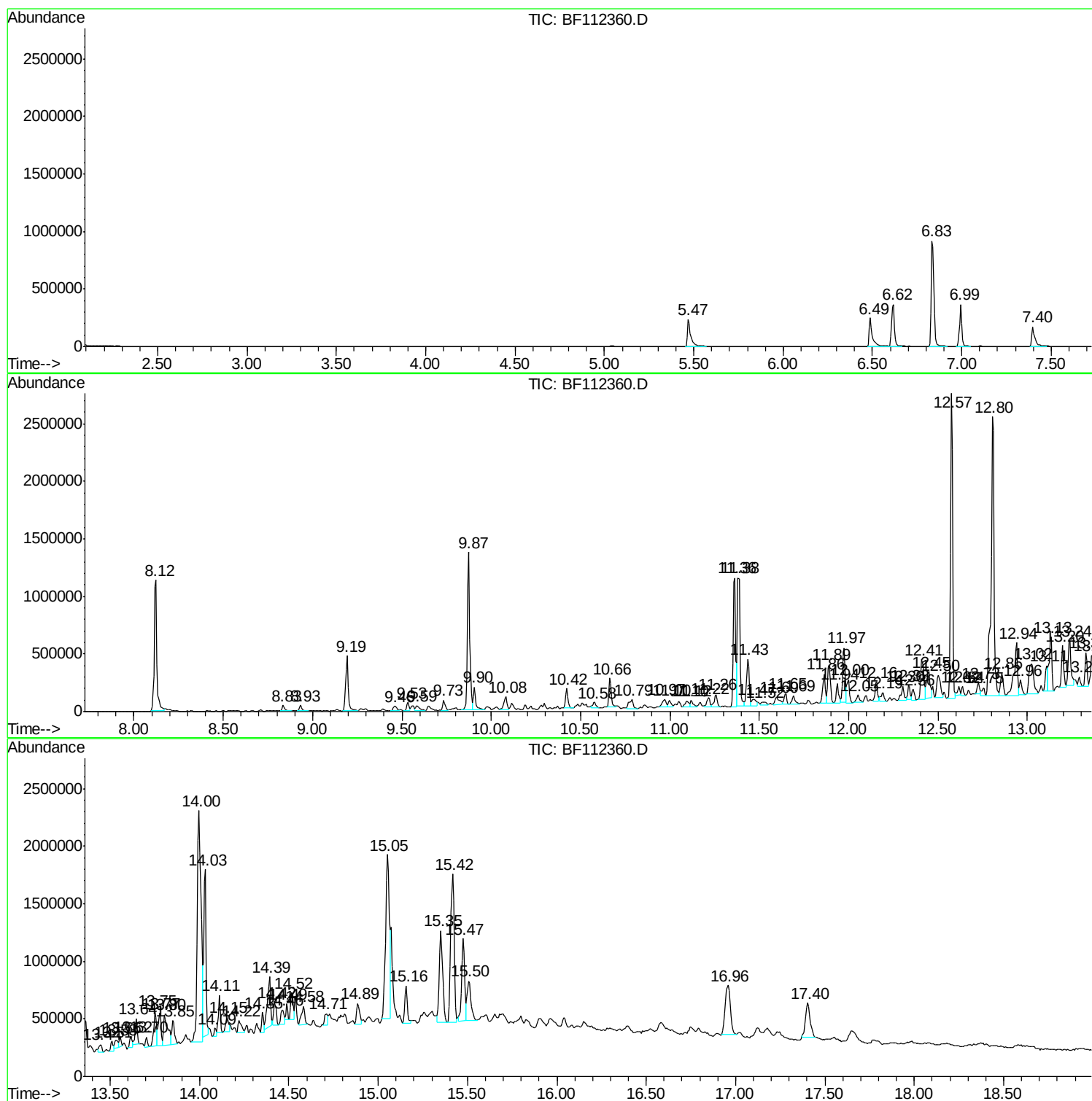
Sum of corrected areas: 39463801

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ALS Vial : 14 Sample Multiplier: 1

Instrument :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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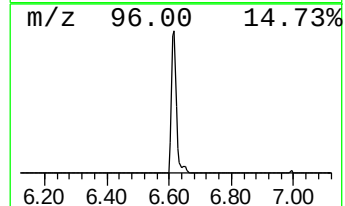
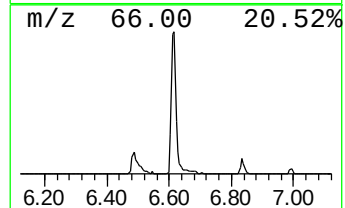
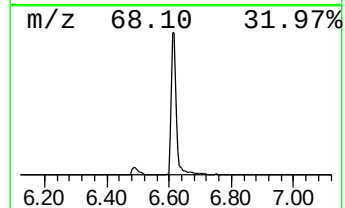
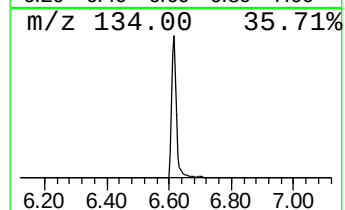
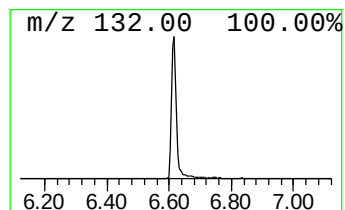
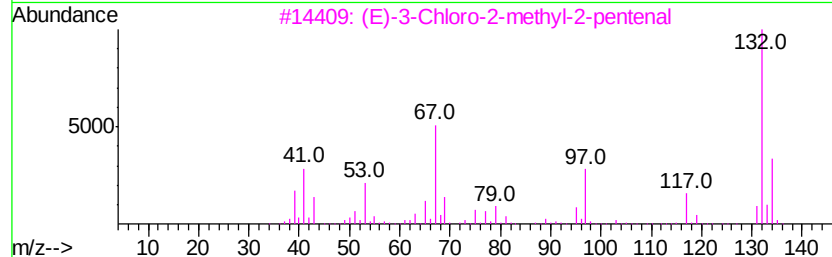
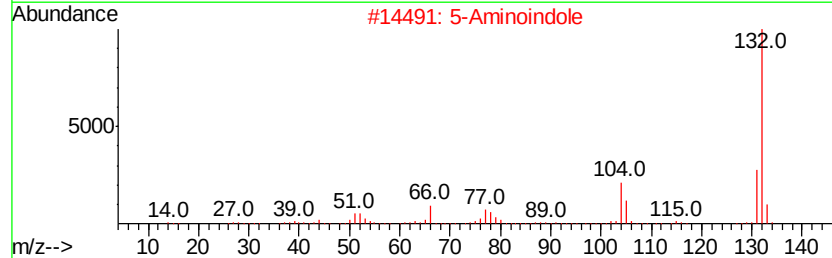
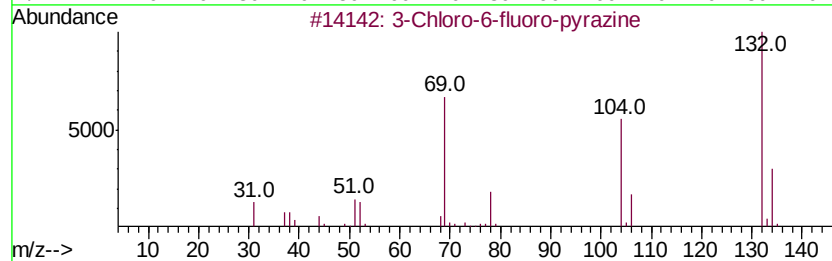
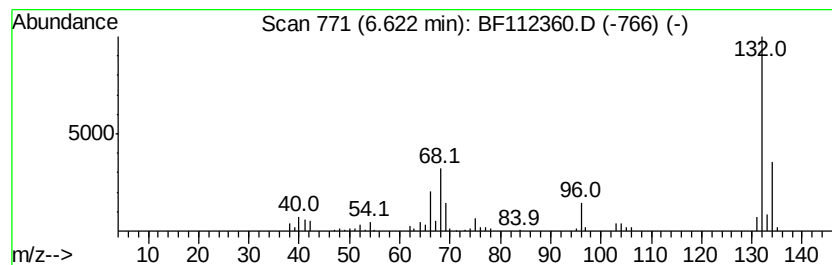
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 unknown6.62 Concentration Rank 3

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 6.62 | 8.37 ng | 377136 | 1,4-Dichlorobenzene-d4 | 6.83 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 35   |
| 2    |    |   | 5-Aminoindole                       | 132 | C8H8N2    | 005192-03-0  | 27   |
| 3    |    |   | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3  | 25   |
| 4    |    |   | Tranylcypromine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 16   |
| 5    |    |   | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2    | 022291-85-6  | 9    |



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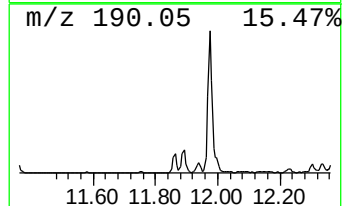
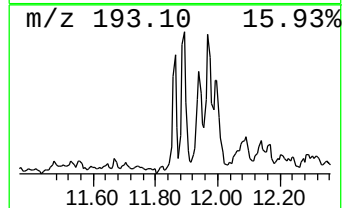
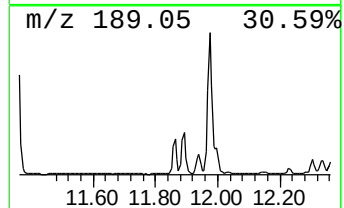
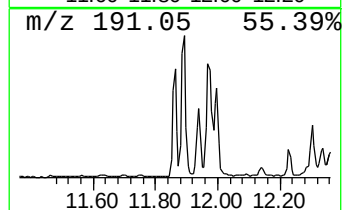
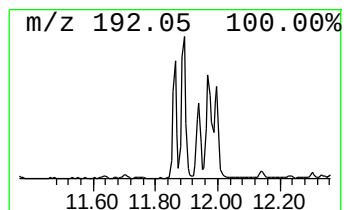
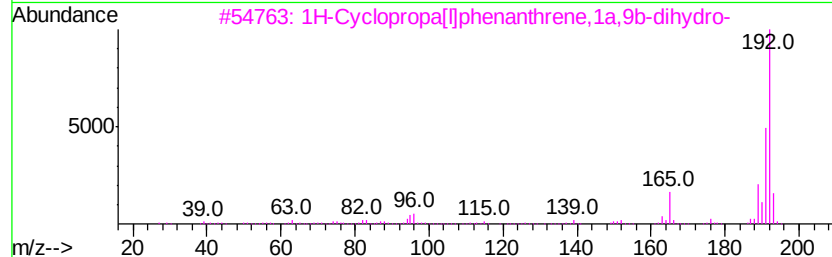
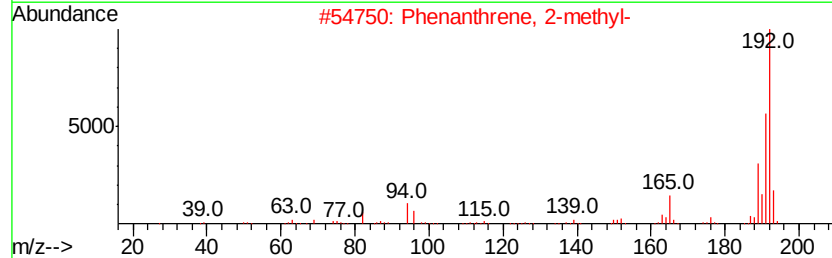
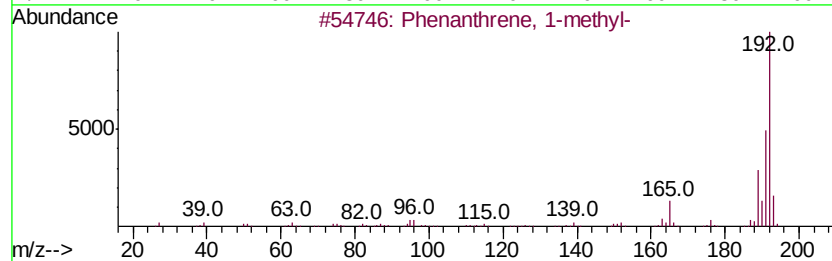
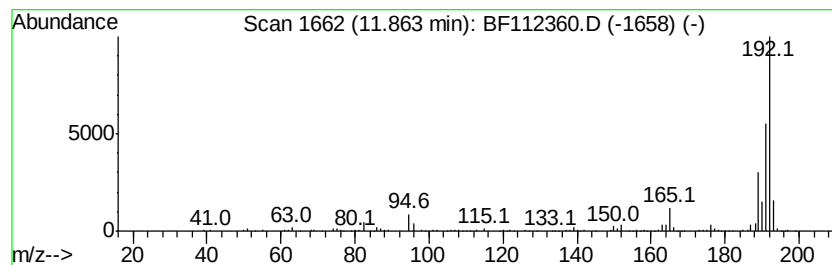
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 11

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 11.86     | 4.06 ng                             | 243093 | Phenanthrene-d10 | 11.36       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | Phenanthrene, 1-methyl-             | 192    | C15H12           | 000832-69-9 | 96   |
| 2         | Phenanthrene, 2-methyl-             | 192    | C15H12           | 002531-84-2 | 95   |
| 3         | 1H-Cyclopropa[1]phenanthrene,1a,... | 192    | C15H12           | 000949-41-7 | 93   |
| 4         | Anthracene, 9-methyl-               | 192    | C15H12           | 000779-02-2 | 93   |
| 5         | Anthracene, 2-methyl-               | 192    | C15H12           | 000613-12-7 | 93   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020119\  
Data File : BF112360.D  
Acq On : 1 Feb 2019 19:13  
Operator : JU/SJ  
Sample : K1011-15 10X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

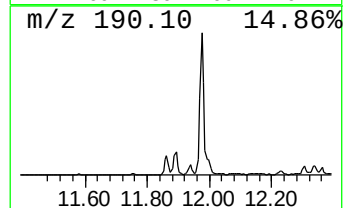
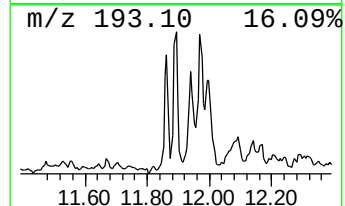
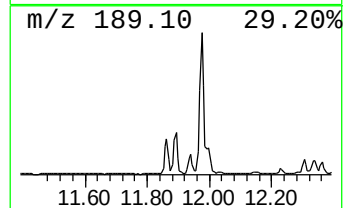
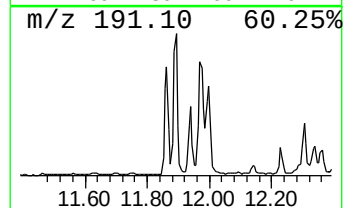
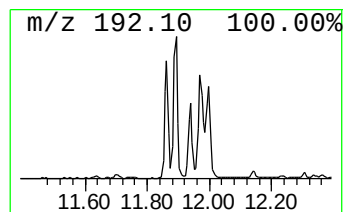
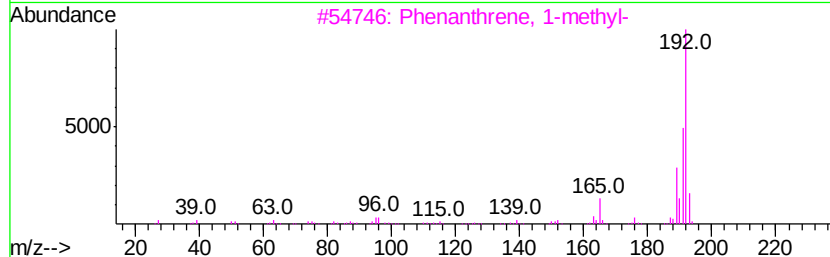
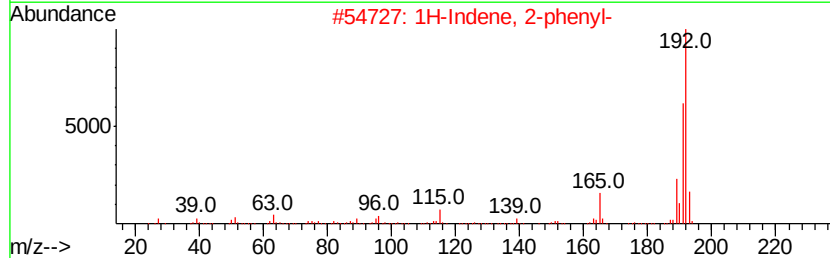
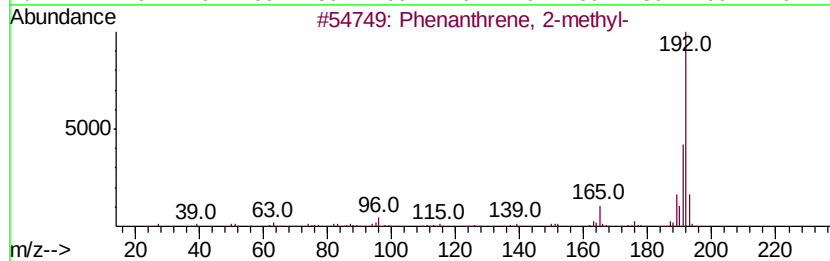
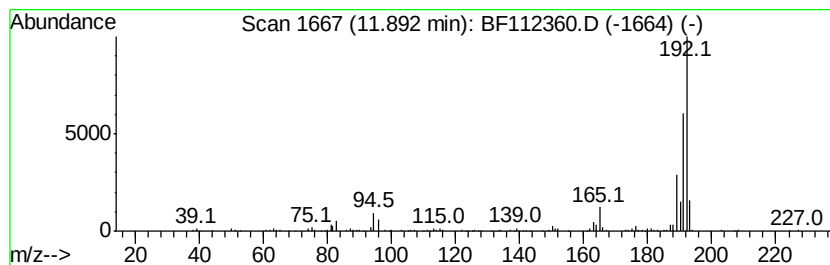
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OR-02-013119-B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 8

| R.T.      | EstConc                 | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------|--------|------------------|-------------|------|
| 11.89     | 5.43 ng                 | 325370 | Phenanthrene-d10 | 11.36       |      |
| Hit# of 5 | Tentative ID            | MW     | MolForm          | CAS#        | Qual |
| 1         | Phenanthrene, 2-methyl- | 192    | C15H12           | 002531-84-2 | 93   |
| 2         | 1H-Indene, 2-phenyl-    | 192    | C15H12           | 004505-48-0 | 91   |
| 3         | Phenanthrene, 1-methyl- | 192    | C15H12           | 000832-69-9 | 91   |
| 4         | Anthracene, 2-methyl-   | 192    | C15H12           | 000613-12-7 | 90   |
| 5         | Anthracene, 1-methyl-   | 192    | C15H12           | 000610-48-0 | 90   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020119\  
Data File : BF112360.D  
Acq On : 1 Feb 2019 19:13  
Operator : JU/SJ  
Sample : K1011-15 10X  
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ALS Vial : 14 Sample Multiplier: 1

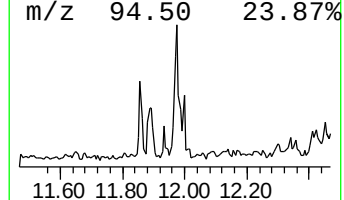
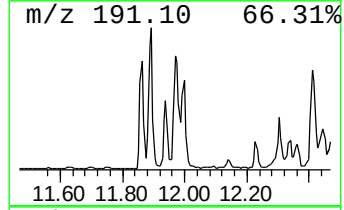
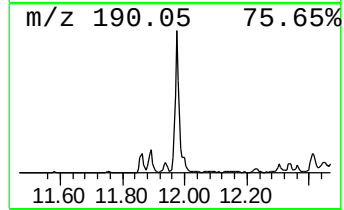
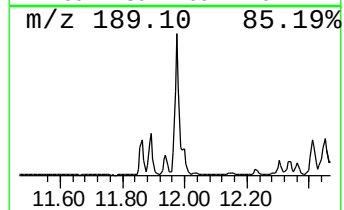
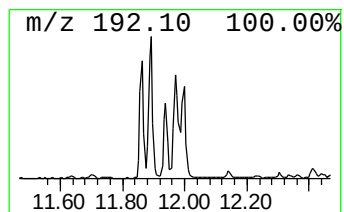
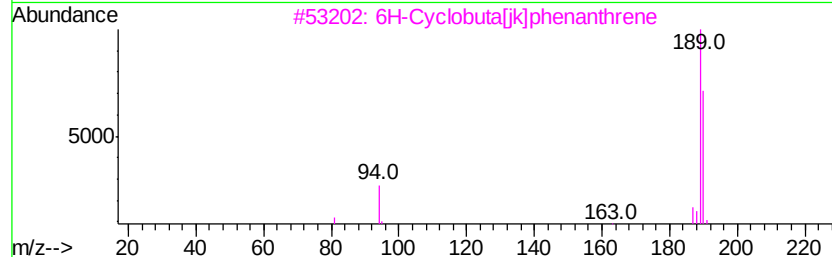
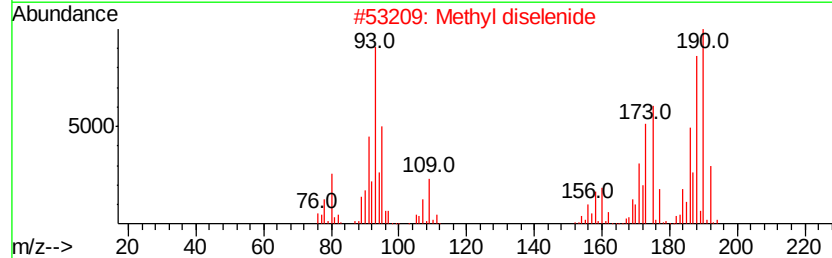
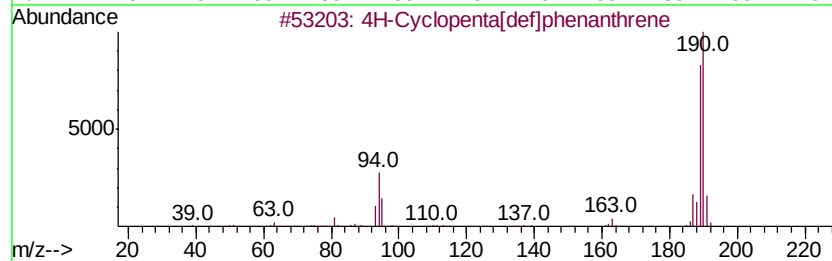
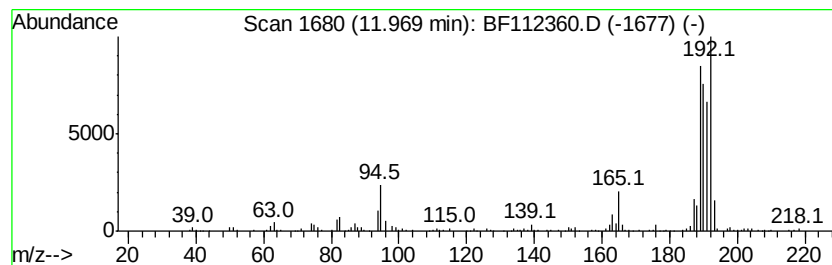
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OR-02-013119-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

| R.T.      | EstConc                        | Area   | Relative to ISTD |             | R.T.  |
|-----------|--------------------------------|--------|------------------|-------------|-------|
| 11.97     | 8.68 ng                        | 520517 | Phenanthrene-d10 |             | 11.36 |
| Hit# of 5 | Tentative ID                   | MW     | MolForm          | CAS#        | Qual  |
| 1         | 4H-Cyclopenta[def]phenanthrene | 190    | C15H10           | 000203-64-5 | 64    |
| 2         | Methyl diselenide              | 190    | C2H6Se2          | 007101-31-7 | 41    |
| 3         | 6H-Cyclobuta[flk]phenanthrene  | 190    | C15H10           | 083469-43-6 | 40    |
| 4         | 5H-Dibenzo[a,d]cycloheptene    | 192    | C15H12           | 000256-81-5 | 25    |
| 5         | Megastigmatrienone             | 190    | C13H18O          | 038818-55-2 | 18    |





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020119\  
Data File : BF112360.D  
Acq On : 1 Feb 2019 19:13  
Operator : JU/SJ  
Sample : K1011-15 10X  
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ALS Vial : 14 Sample Multiplier: 1

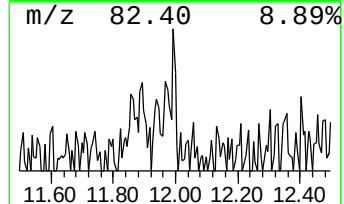
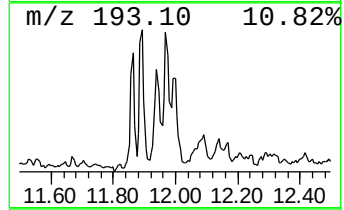
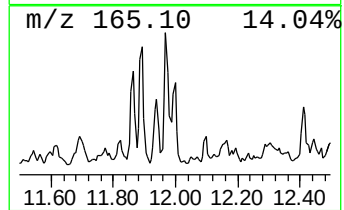
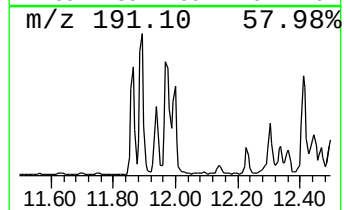
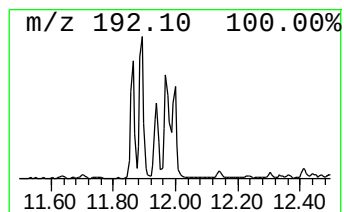
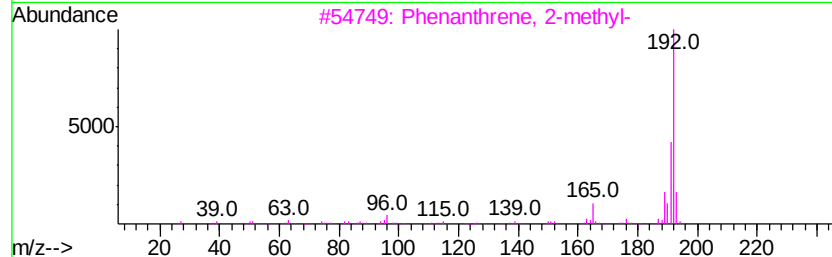
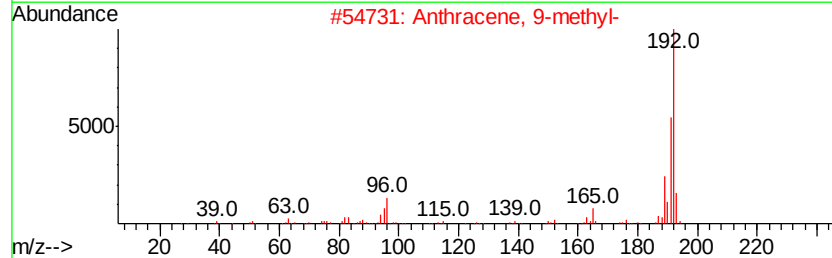
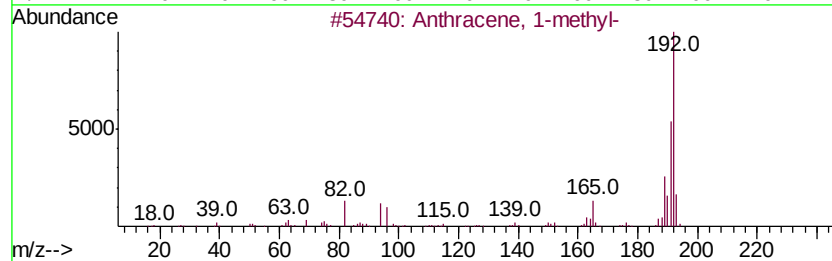
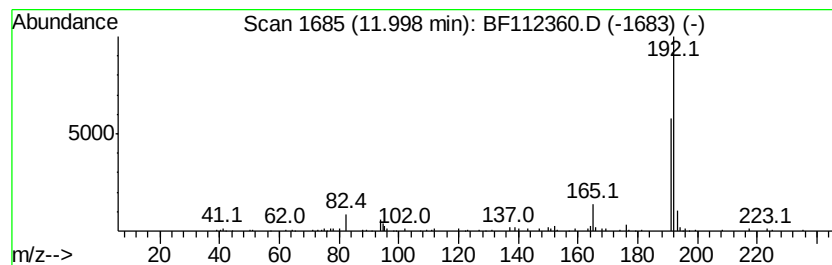
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OR-02-013119-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Anthracene, 1-methyl- Concentration Rank 18

| R.T.      | EstConc                 | Area   | Relative to ISTD |             | R.T.  |
|-----------|-------------------------|--------|------------------|-------------|-------|
| 12.00     | 2.88 ng                 | 172917 | Phenanthrene-d10 |             | 11.36 |
| Hit# of 5 | Tentative ID            | MW     | MolForm          | CAS#        | Qual  |
| 1         | Anthracene, 1-methyl-   | 192    | C15H12           | 000610-48-0 | 83    |
| 2         | Anthracene, 9-methyl-   | 192    | C15H12           | 000779-02-2 | 83    |
| 3         | Phenanthrene, 2-methyl- | 192    | C15H12           | 002531-84-2 | 81    |
| 4         | Phenanthrene, 1-methyl- | 192    | C15H12           | 000832-69-9 | 81    |
| 5         | Propyne, 1,3-diphenyl-  | 192    | C15H12           | 004980-70-5 | 80    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020119\  
Data File : BF112360.D  
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Operator : JU/SJ  
Sample : K1011-15 10X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

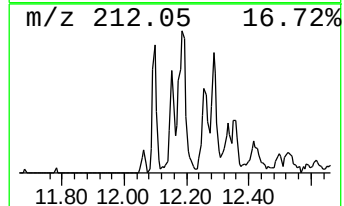
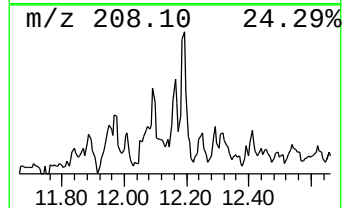
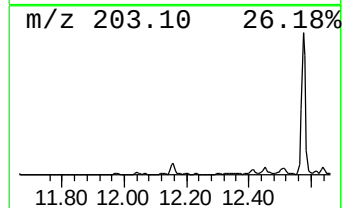
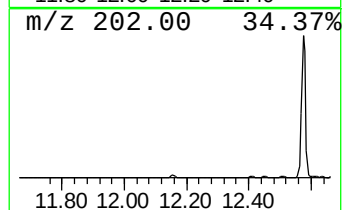
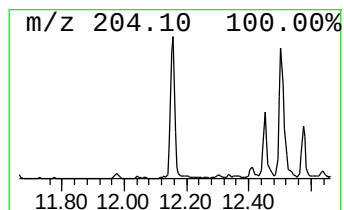
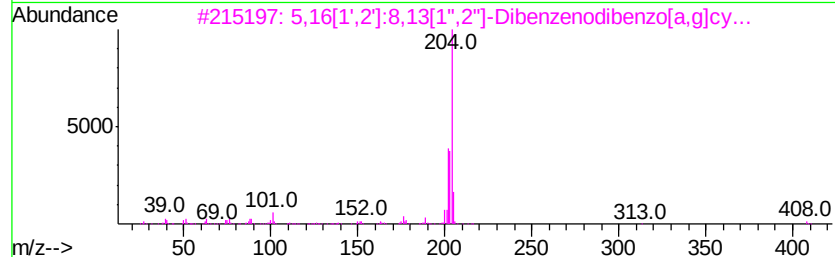
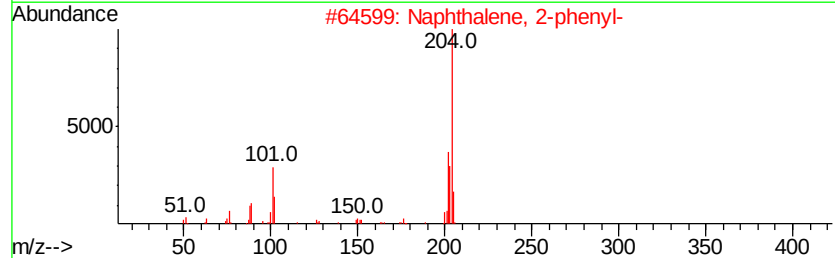
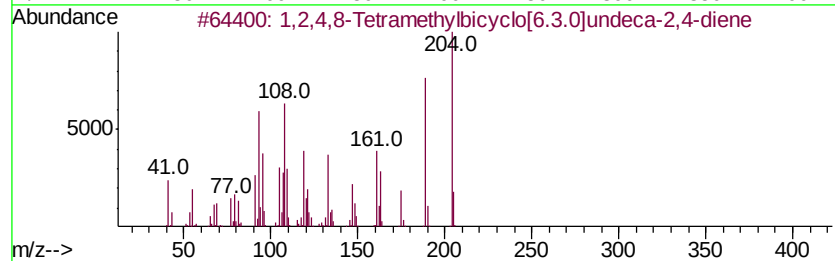
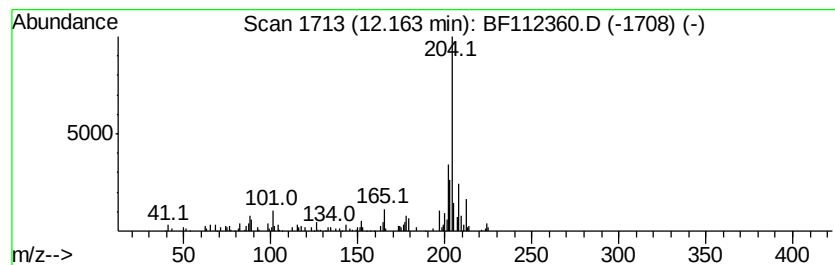
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ClientSampleId :  
OR-02-013119-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 1,2,4,8-Tetramethylbicyclo[...] Concentration Rank 16

| R.T.      | EstConc                                                   | Area   | Relative to ISTD | R.T.        |      |
|-----------|-----------------------------------------------------------|--------|------------------|-------------|------|
| 12.16     | 3.04 ng                                                   | 182269 | Phenanthrene-d10 | 11.36       |      |
| Hit# of 5 | Tentative ID                                              | MW     | MolForm          | CAS#        | Qual |
| 1         | 1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene         | 204    | C15H24           | 137235-51-9 | 89   |
| 2         | Naphthalene, 2-phenyl-                                    | 204    | C16H12           | 000612-94-2 | 86   |
| 3         | 5,16[1',2']:8,13[1'',2'']-Dibenz[1,2-b:4,5-b']diphenylene | 408    | C32H24           | 005672-97-9 | 80   |
| 4         | Tricyclo[8.2.2.2(4,7)]hexadeca-2,4,6,8-tetraene           | 204    | C16H12           | 006572-60-7 | 76   |
| 5         | Naphthalene, 1-phenyl-                                    | 204    | C16H12           | 000605-02-7 | 49   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020119\  
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Acq On : 1 Feb 2019 19:13  
Operator : JU/SJ  
Sample : K1011-15 10X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

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

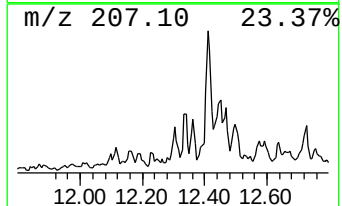
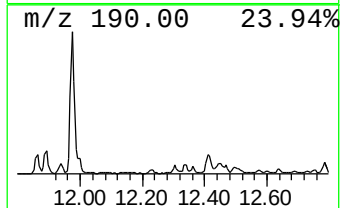
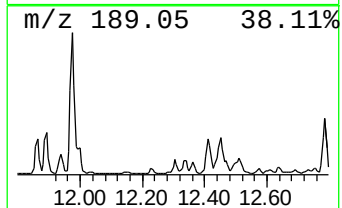
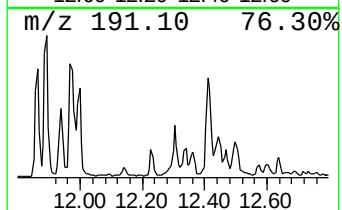
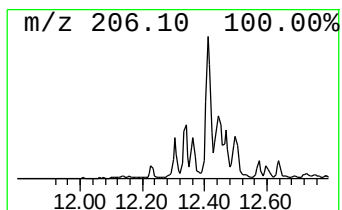
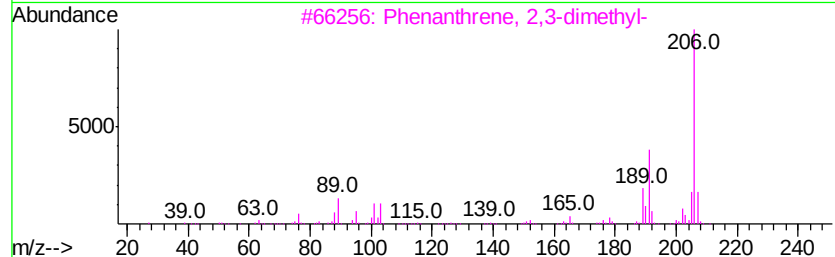
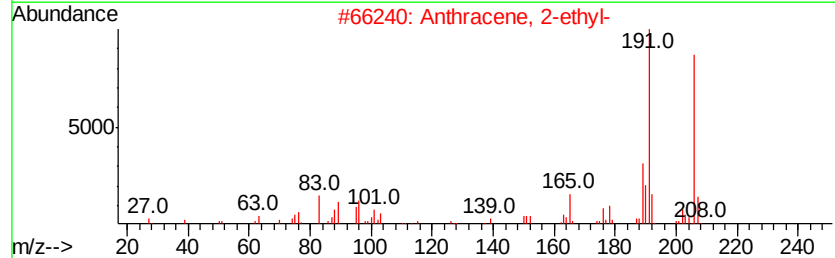
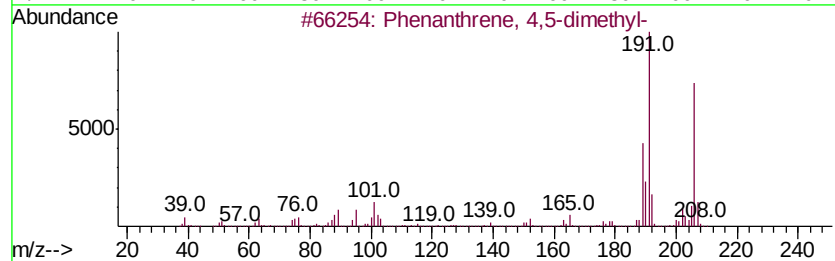
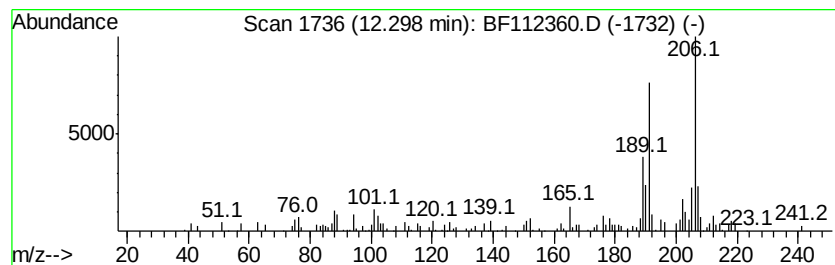
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TIC Integration Parameters: LSCINT.P

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Peak Number 9 Phenanthrene, 4,5-dimethyl- Concentration Rank 20

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.30 | 2.60 ng | 155741 | Phenanthrene-d10 | 11.36 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Phenanthrene, 4,5-dimethyl- | 206 | C16H14  | 003674-69-9 | 93   |
| 2    |    | Anthracene, 2-ethyl-        | 206 | C16H14  | 052251-71-5 | 93   |
| 3    |    | Phenanthrene, 2,3-dimethyl- | 206 | C16H14  | 003674-65-5 | 90   |
| 4    |    | 3-Methyl-1-phenyl-1H-indene | 206 | C16H14  | 022360-63-0 | 89   |
| 5    |    | Anthracene, 1,4-dimethyl-   | 206 | C16H14  | 000781-92-0 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020119\  
Data File : BF112360.D  
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Operator : JU/SJ  
Sample : K1011-15 10X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

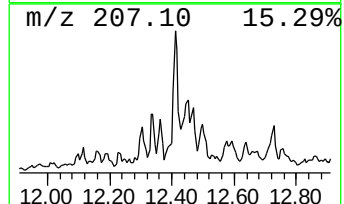
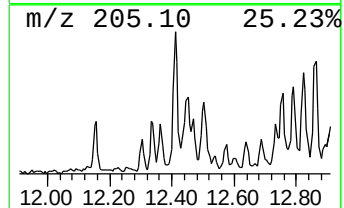
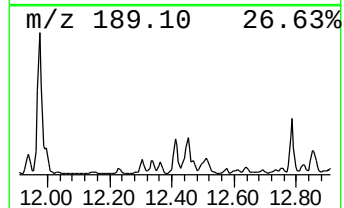
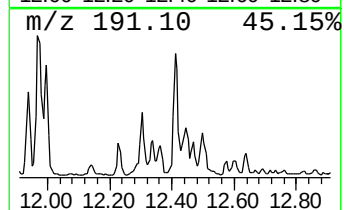
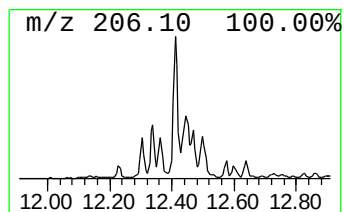
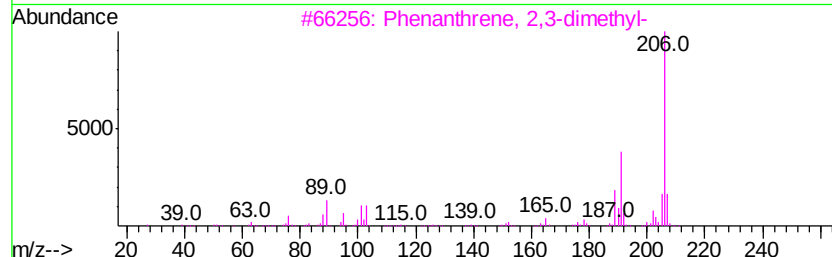
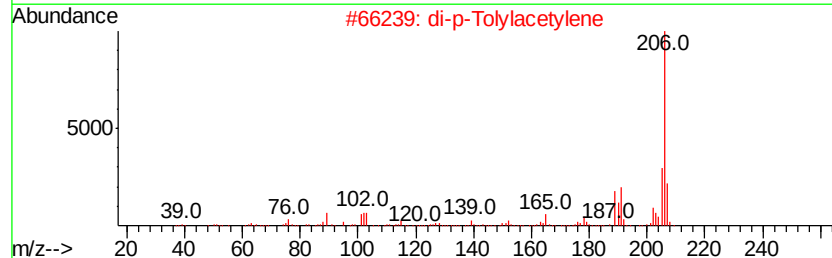
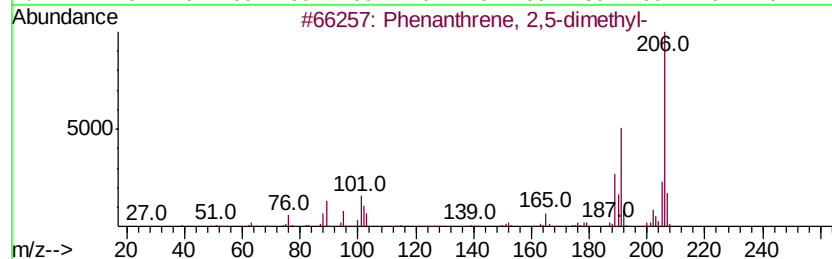
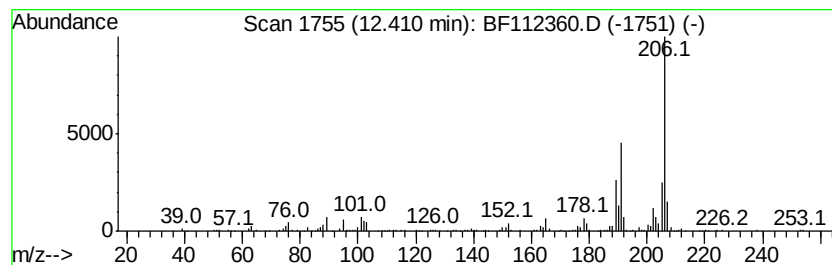
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ClientSampleId :  
OR-02-013119-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

| R.T.      | EstConc                     | Area   | Relative to ISTD |             | R.T.  |
|-----------|-----------------------------|--------|------------------|-------------|-------|
| 12.41     | 6.46 ng                     | 387286 | Phenanthrene-d10 |             | 11.36 |
| Hit# of 5 | Tentative ID                | MW     | MolForm          | CAS#        | Qual  |
| 1         | Phenanthrene, 2,5-dimethyl- | 206    | C16H14           | 003674-66-6 | 97    |
| 2         | di-p-Tolylacetylene         | 206    | C16H14           | 002789-88-0 | 95    |
| 3         | Phenanthrene, 2,3-dimethyl- | 206    | C16H14           | 003674-65-5 | 91    |
| 4         | 9,10-Dimethylantracene      | 206    | C16H14           | 000781-43-1 | 91    |
| 5         | Phenanthrene, 3,6-dimethyl- | 206    | C16H14           | 001576-67-6 | 91    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020119\  
Data File : BF112360.D  
Acq On : 1 Feb 2019 19:13  
Operator : JU/SJ  
Sample : K1011-15 10X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

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

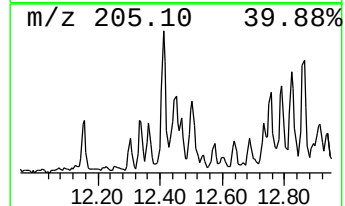
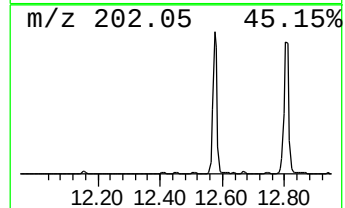
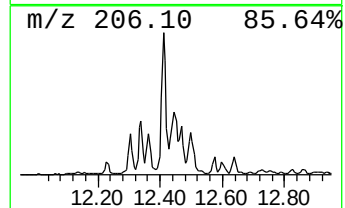
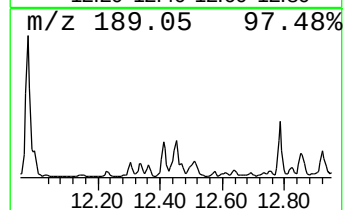
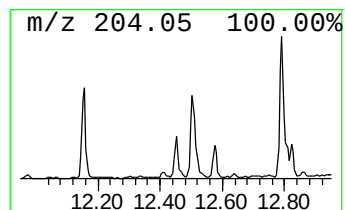
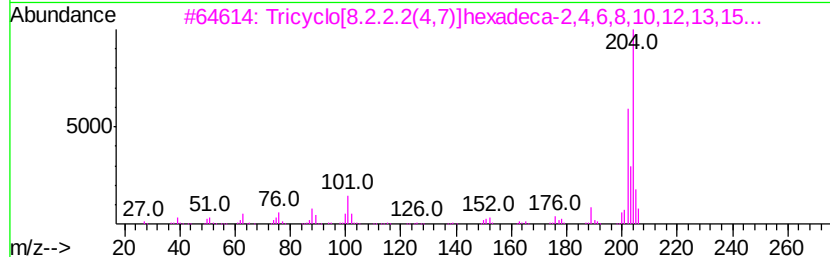
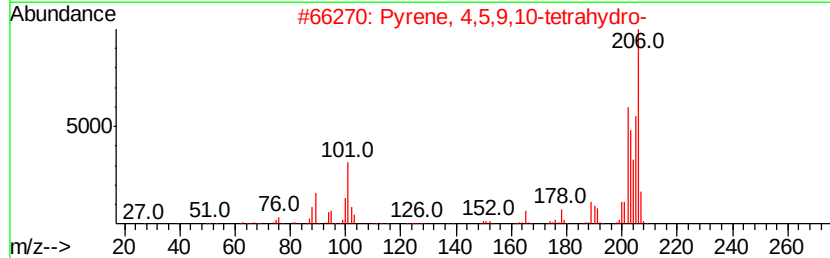
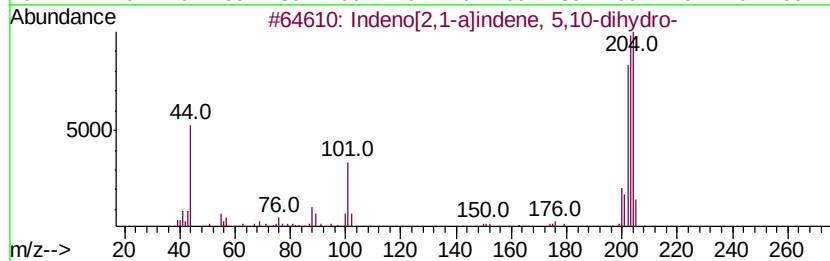
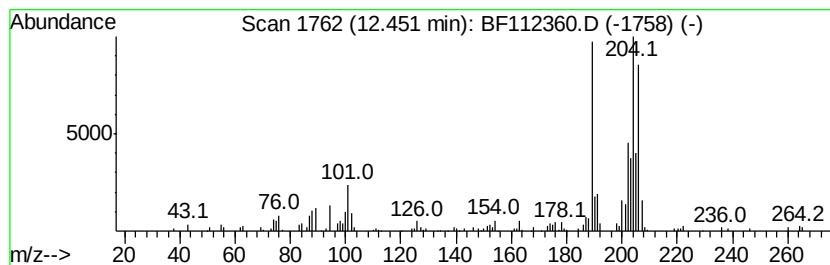
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 unknown12.45 Concentration Rank 7

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.45 | 5.46 ng | 327516 | Phenanthrene-d10 | 11.36 |

| Hit# | of | Tentative ID                          | MW  | MolForm   | CAS#        | Qual |
|------|----|---------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | Indeno[2,1-a]indene, 5,10-dihydro-    | 204 | C16H12    | 006543-29-9 | 48   |
| 2    |    | Pyrene, 4,5,9,10-tetrahydro-          | 206 | C16H14    | 000781-17-9 | 46   |
| 3    |    | Tricyclo[8.2.2.2(4,7)]hexadeca-2...   | 204 | C16H12    | 006572-60-7 | 38   |
| 4    |    | Benzene, 1,1'-(1,3-butadienylidene... | 206 | C16H14    | 004165-81-5 | 38   |
| 5    |    | 5-Methyl-2-(p-tolylimino)-1,3-th...   | 206 | C11H14N2S | 070446-87-6 | 35   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020119\  
Data File : BF112360.D  
Acq On : 1 Feb 2019 19:13  
Operator : JU/SJ  
Sample : K1011-15 10X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

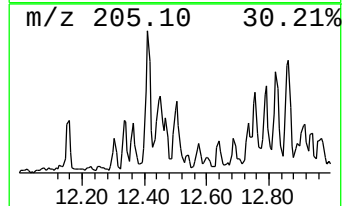
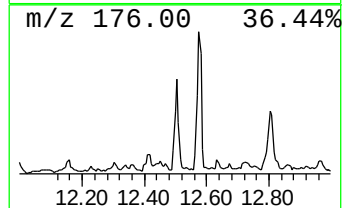
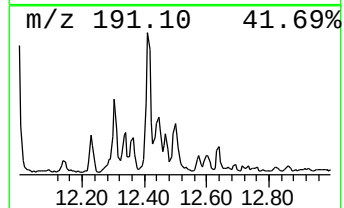
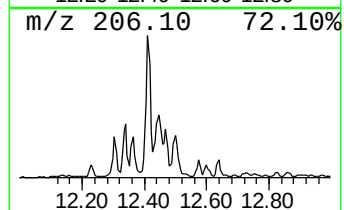
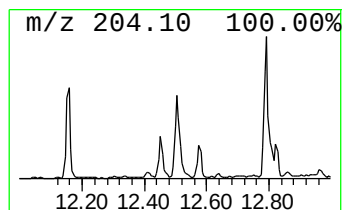
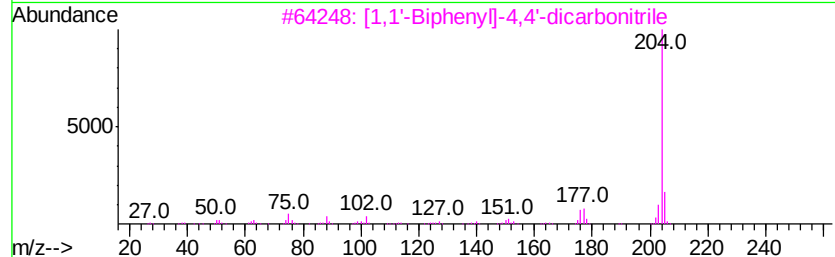
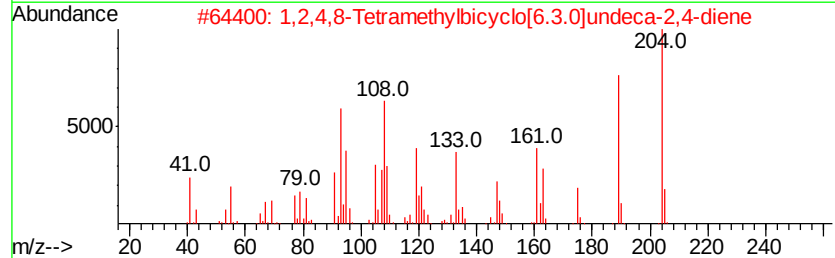
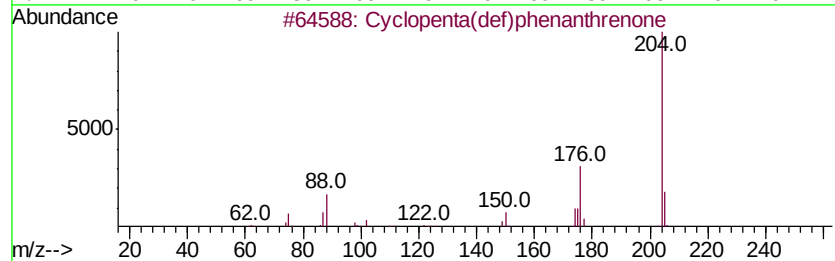
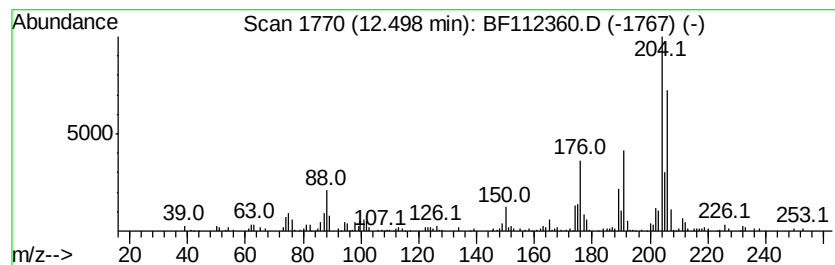
Instrument :  
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ClientSampleId :  
OR-02-013119-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 9

| R.T.    | EstConc | Area                                              | Relative to ISTD |          | R.T.        |      |
|---------|---------|---------------------------------------------------|------------------|----------|-------------|------|
| 12.50   | 4.48 ng | 268668                                            | Phenanthrene-d10 |          | 11.36       |      |
| Hit# of | 5       | Tentative ID                                      | MW               | MolForm  | CAS#        | Qual |
| 1       |         | Cvclopenta(def)phenanthrenone                     | 204              | C15H8O   | 005737-13-3 | 96   |
| 2       |         | 1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene | 204              | C15H24   | 137235-51-9 | 60   |
| 3       |         | [1,1'-Biphenyl]-4,4'-dicarbonitrile               | 204              | C14H8N2  | 001591-30-6 | 50   |
| 4       |         | 3,4-Biphenyldicarbonitrile                        | 204              | C14H8N2  | 004128-63-6 | 50   |
| 5       |         | Benzene, 1-chloro-3-phenoxy-                      | 204              | C12H9ClO | 006452-49-9 | 47   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020119\  
Data File : BF112360.D  
Acq On : 1 Feb 2019 19:13  
Operator : JU/SJ  
Sample : K1011-15 10X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

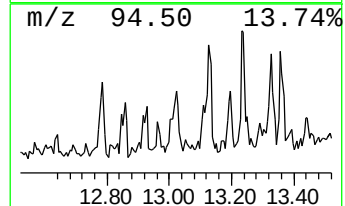
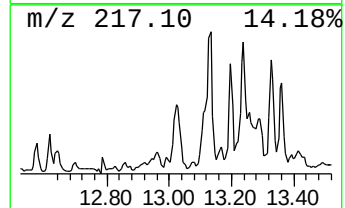
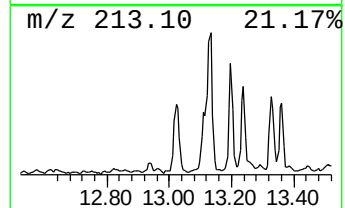
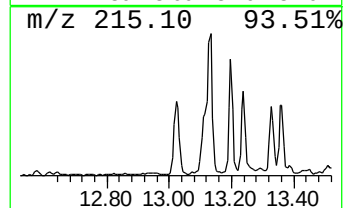
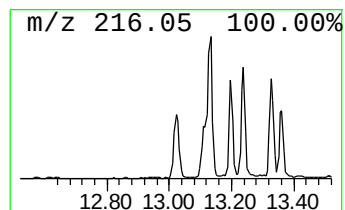
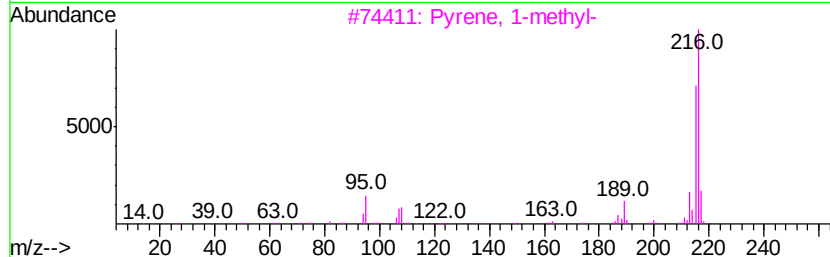
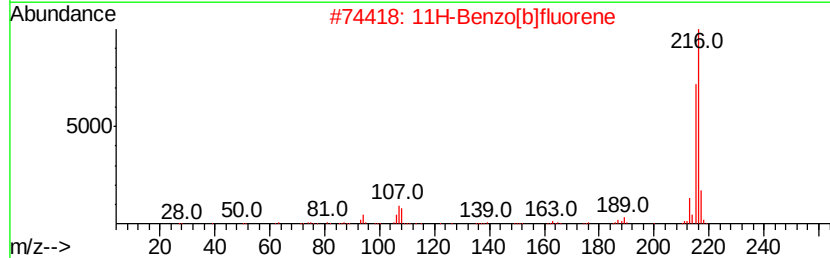
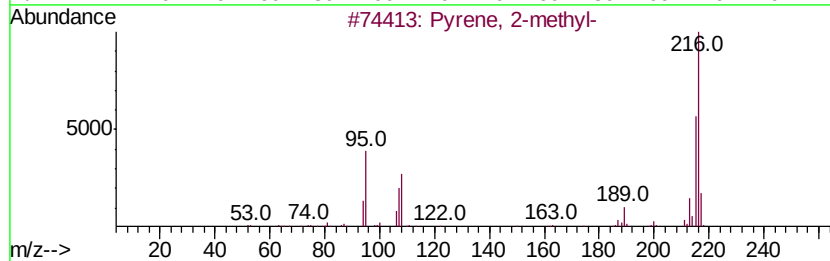
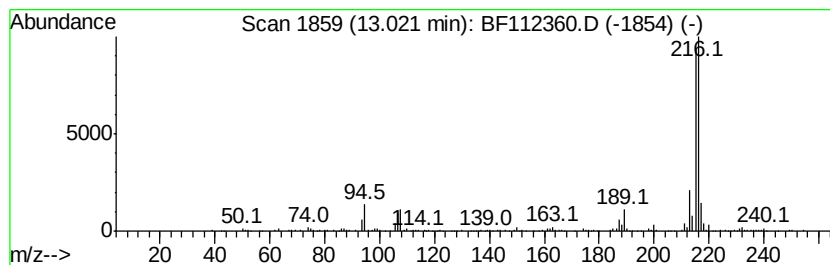
Instrument :  
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ClientSampleId :  
OR-02-013119-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 Pyrene, 2-methyl- Concentration Rank 13

| R.T.      | EstConc              | Area   | Relative to ISTD | R.T.        |      |
|-----------|----------------------|--------|------------------|-------------|------|
| 13.02     | 3.25 ng              | 483040 | Chrysene-d12     | 14.00       |      |
| Hit# of 5 | Tentative ID         | MW     | MolForm          | CAS#        | Qual |
| 1         | Pyrene, 2-methyl-    | 216    | C17H12           | 003442-78-2 | 95   |
| 2         | 11H-Benzo[b]fluorene | 216    | C17H12           | 000243-17-4 | 90   |
| 3         | Pyrene, 1-methyl-    | 216    | C17H12           | 002381-21-7 | 87   |
| 4         | 11H-Benzo[a]fluorene | 216    | C17H12           | 000238-84-6 | 87   |
| 5         | 7H-Benzo[c]fluorene  | 216    | C17H12           | 000205-12-9 | 83   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020119\  
Data File : BF112360.D  
Acq On : 1 Feb 2019 19:13  
Operator : JU/SJ  
Sample : K1011-15 10X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

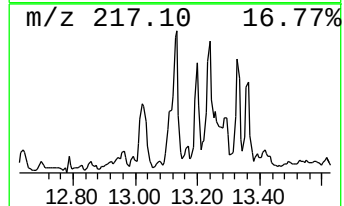
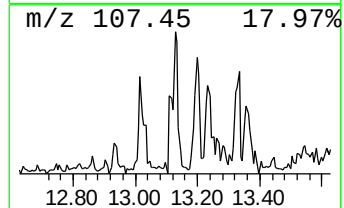
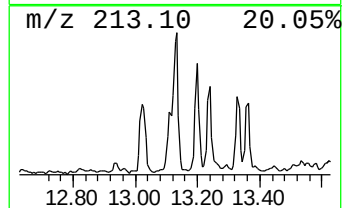
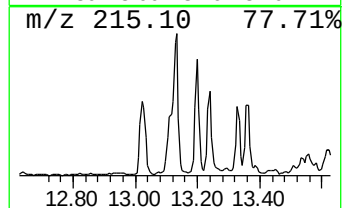
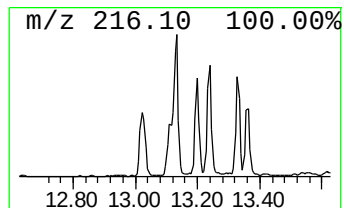
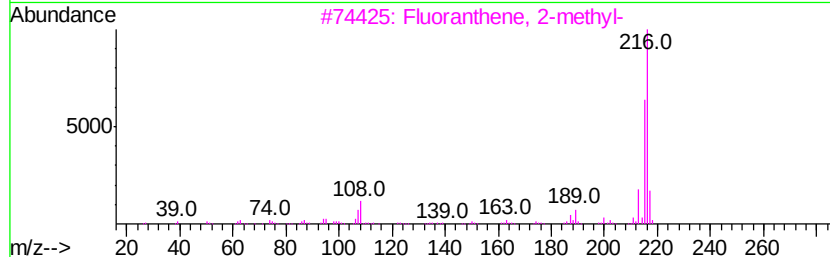
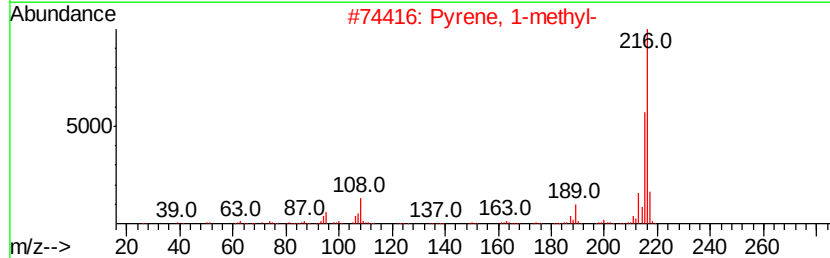
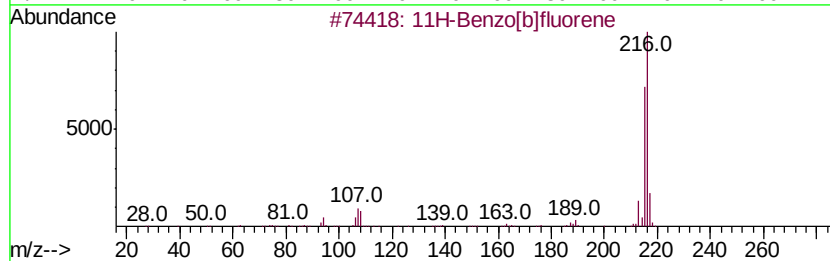
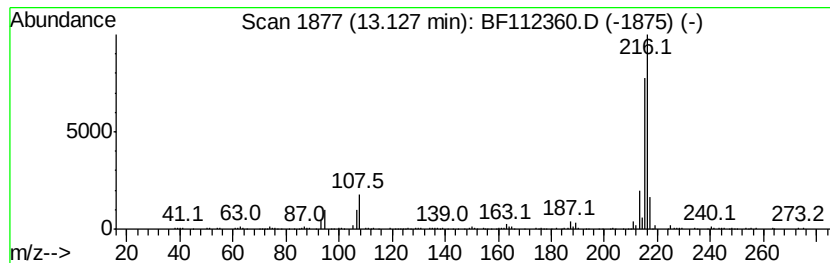
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ClientSampleId :  
OR-02-013119-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 14

| R.T.    | EstConc | Area                    | Relative to ISTD | R.T.           |
|---------|---------|-------------------------|------------------|----------------|
| 13.13   | 3.17 ng | 471224                  | Chrysene-d12     | 14.00          |
| Hit# of | 5       | Tentative ID            | MW MolForm       | CAS# Qual      |
| 1       |         | 11H-Benzo[b]fluorene    | 216 C17H12       | 000243-17-4 95 |
| 2       |         | Pyrene, 1-methyl-       | 216 C17H12       | 002381-21-7 90 |
| 3       |         | Fluoranthene, 2-methyl- | 216 C17H12       | 033543-31-6 87 |
| 4       |         | 11H-Benzo[a]fluorene    | 216 C17H12       | 000238-84-6 86 |
| 5       |         | Pyrene, 4-methyl-       | 216 C17H12       | 003353-12-6 83 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020119\  
Data File : BF112360.D  
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Operator : JU/SJ  
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Misc :  
ALS Vial : 14 Sample Multiplier: 1

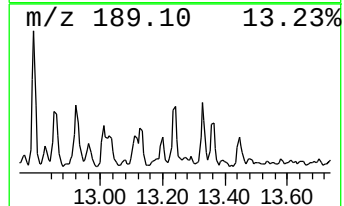
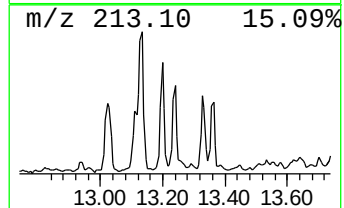
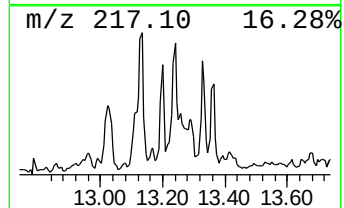
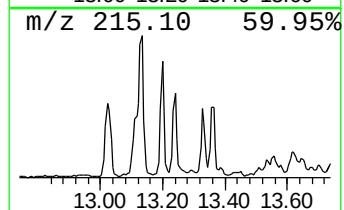
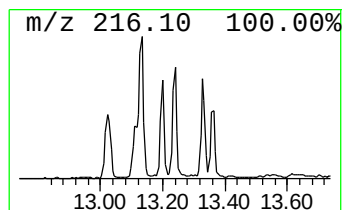
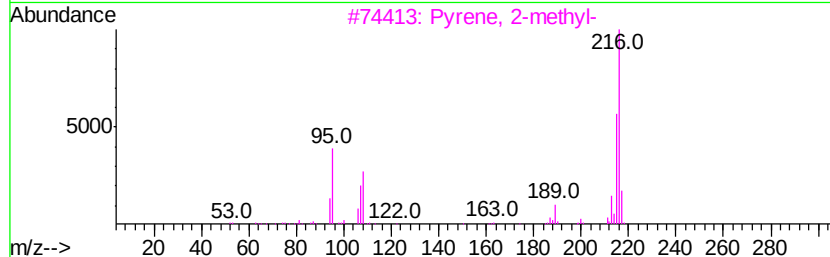
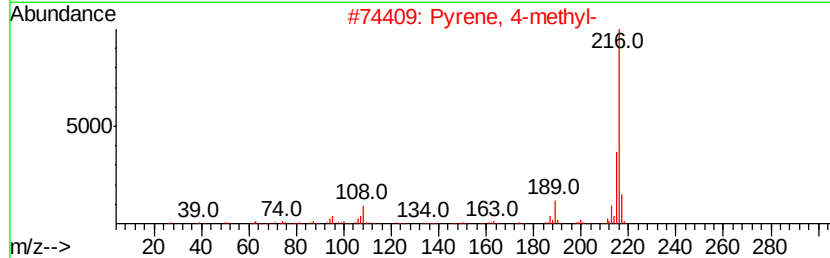
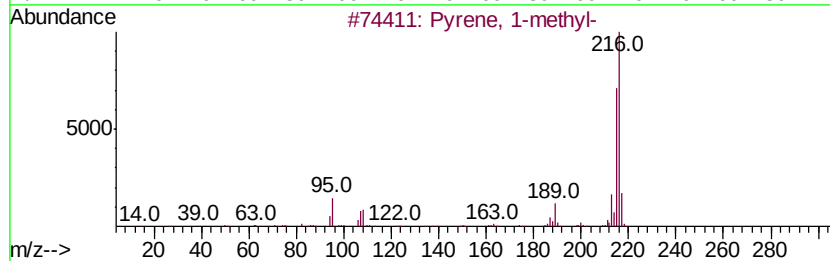
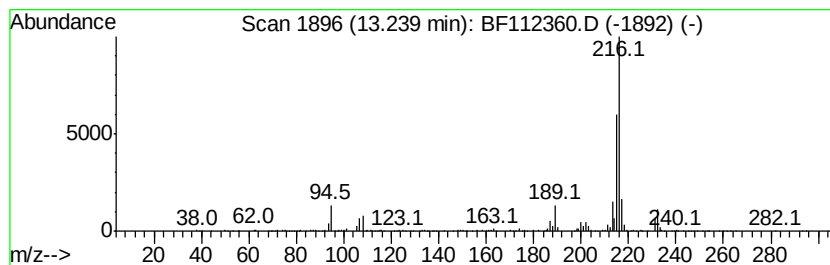
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OR-02-013119-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.      | EstConc                 | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------|--------|------------------|-------------|------|
| 13.24     | 3.17 ng                 | 470220 | Chrysene-d12     | 14.00       |      |
| Hit# of 5 | Tentative ID            | MW     | MolForm          | CAS#        | Qual |
| 1         | Pyrene, 1-methyl-       | 216    | C17H12           | 002381-21-7 | 96   |
| 2         | Pyrene, 4-methyl-       | 216    | C17H12           | 003353-12-6 | 93   |
| 3         | Pyrene, 2-methyl-       | 216    | C17H12           | 003442-78-2 | 93   |
| 4         | Fluoranthene, 2-methyl- | 216    | C17H12           | 033543-31-6 | 93   |
| 5         | 11H-Benzo[b]fluorene    | 216    | C17H12           | 000243-17-4 | 81   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020119\  
Data File : BF112360.D  
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Operator : JU/SJ  
Sample : K1011-15 10X  
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ALS Vial : 14 Sample Multiplier: 1

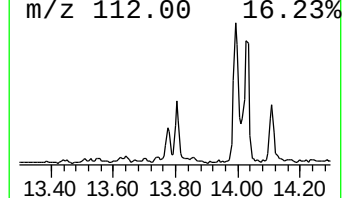
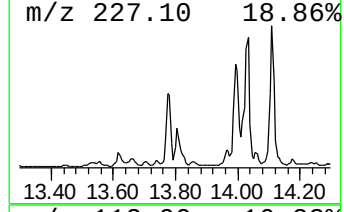
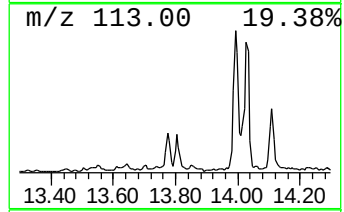
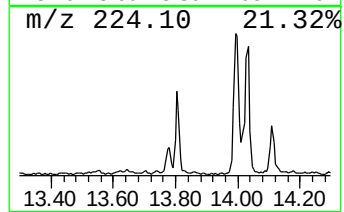
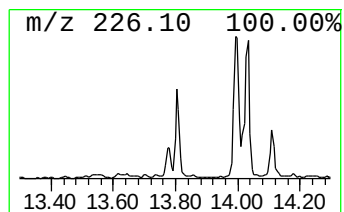
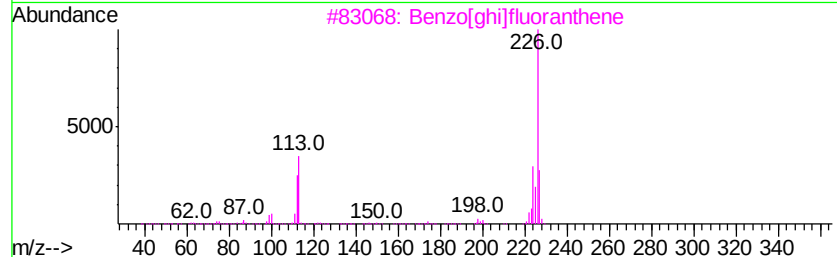
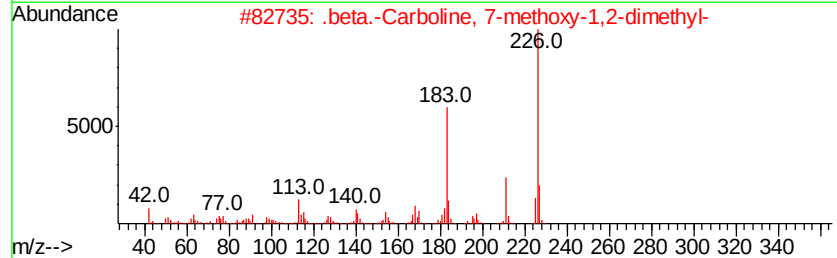
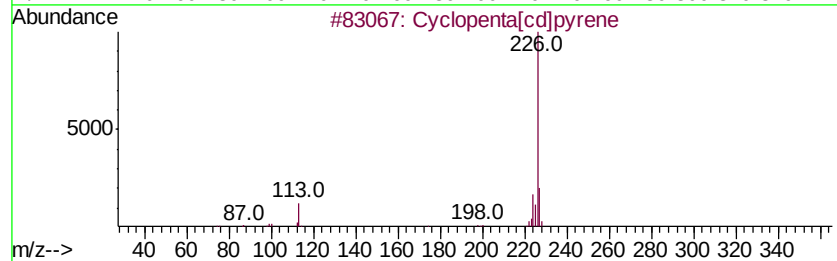
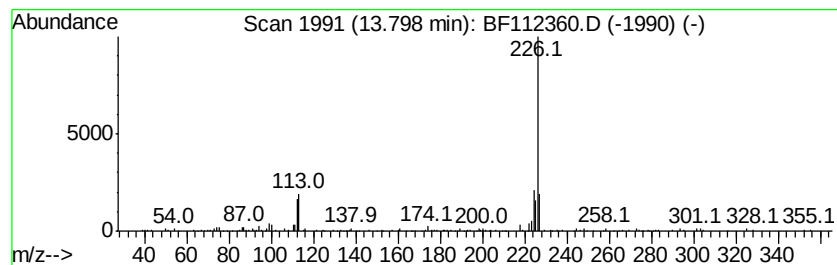
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ClientSampleId :  
OR-02-013119-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 Cyclopenta[cd]pyrene Concentration Rank 17

| R.T.    | EstConc | Area                                | Relative to ISTD | R.T.            |
|---------|---------|-------------------------------------|------------------|-----------------|
| 13.80   | 2.94 ng | 435858                              | Chrysene-d12     | 14.00           |
| Hit# of | 5       | Tentative ID                        | MW MolForm       | CAS# Qual       |
| 1       |         | Cyclopenta[cd]pyrene                | 226 C18H10       | 027208-37-3 81  |
| 2       |         | .beta.-Carboline, 7-methoxy-1,2-... | 226 C14H14N2O    | 006519-18-2 58  |
| 3       |         | Benzo[ghi]fluoranthene              | 226 C18H10       | 000203-12-3 53  |
| 4       |         | 4-Naphthalen-2-yl-thiazol-2-ylamine | 226 C13H10N2S    | 1000300-53-4 42 |
| 5       |         | 9H-Xanthen-9-one, 3-methoxy-        | 226 C14H10O3     | 003722-52-9 40  |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020119\  
Data File : BF112360.D  
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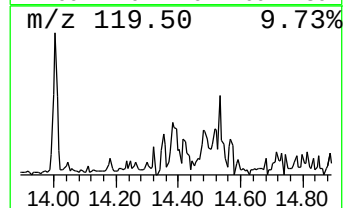
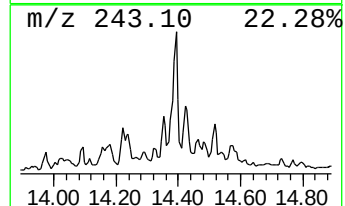
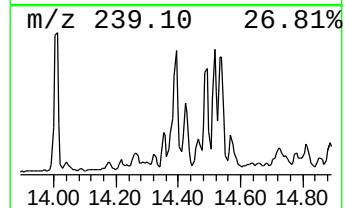
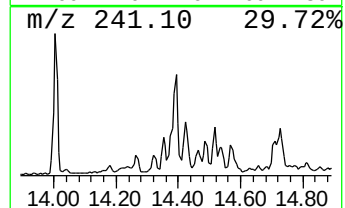
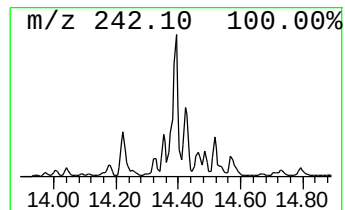
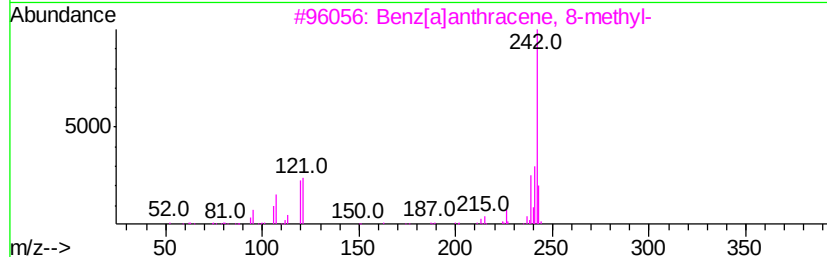
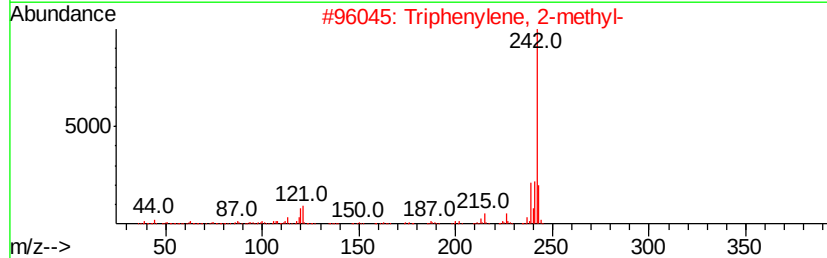
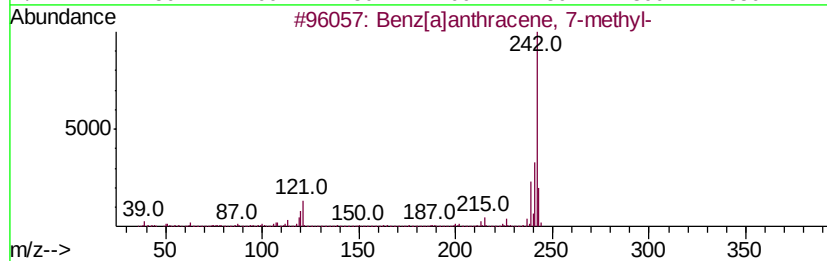
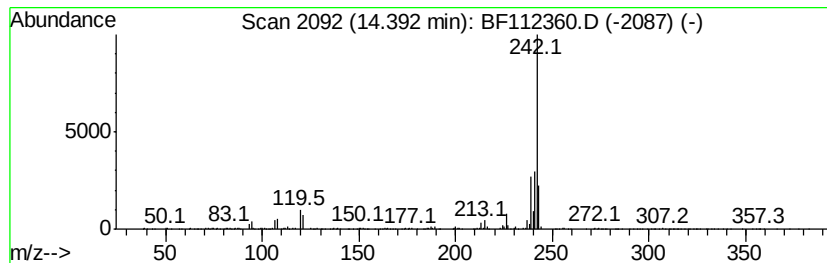
Instrument :  
BNA\_F  
ClientSampleId :  
OR-02-013119-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 17 Benz[a]anthracene, 7-methyl- Concentration Rank 12

| R.T.      | EstConc                               | Area   | Relative to ISTD | R.T.        |      |
|-----------|---------------------------------------|--------|------------------|-------------|------|
| 14.39     | 3.33 ng                               | 494413 | Chrysene-d12     | 14.00       |      |
| Hit# of 5 | Tentative ID                          | MW     | MolForm          | CAS#        | Qual |
| 1         | Benz[ <i>a</i> ]anthracene, 7-methyl- | 242    | C19H14           | 002541-69-7 | 91   |
| 2         | Triphenylene, 2-methyl-               | 242    | C19H14           | 001705-84-6 | 91   |
| 3         | Benz[ <i>a</i> ]anthracene, 8-methyl- | 242    | C19H14           | 002381-31-9 | 89   |
| 4         | Chrysene, 1-methyl-                   | 242    | C19H14           | 003351-28-8 | 89   |
| 5         | Benz[ <i>a</i> ]anthracene, 1-methyl- | 242    | C19H14           | 002498-77-3 | 89   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020119\  
Data File : BF112360.D  
Acq On : 1 Feb 2019 19:13  
Operator : JU/SJ  
Sample : K1011-15 10X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

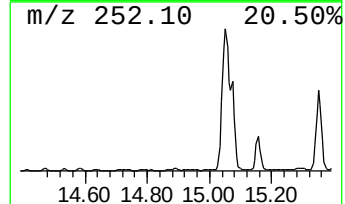
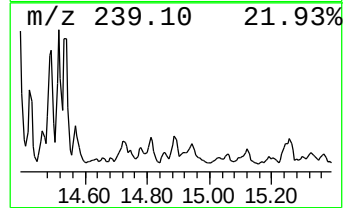
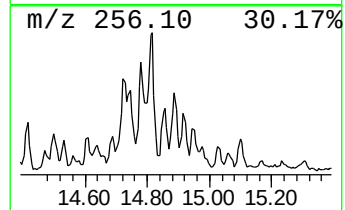
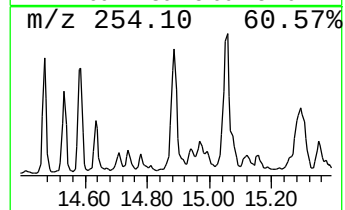
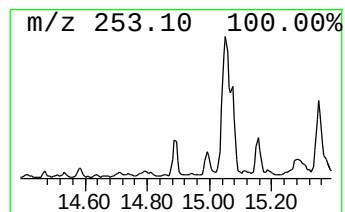
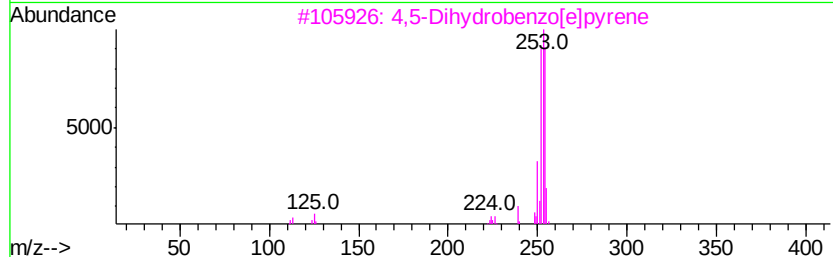
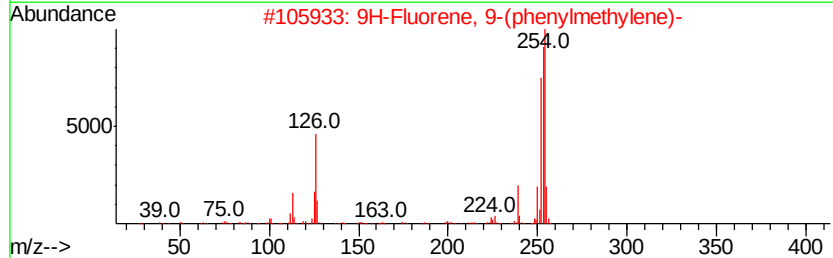
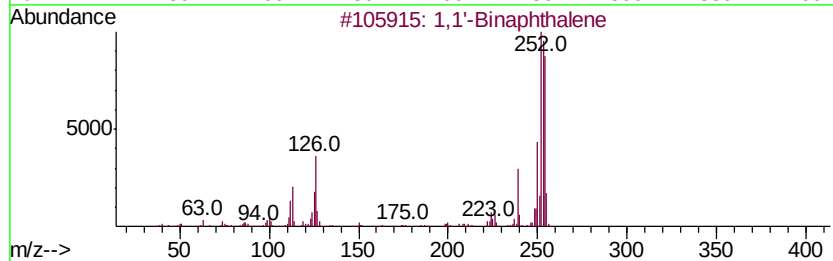
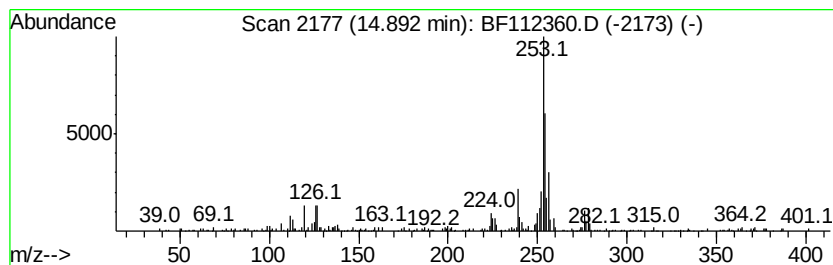
Instrument :  
BNA\_F  
ClientSampleId :  
OR-02-013119-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 18 1,1'-Binaphthalene Concentration Rank 10

| R.T.      | EstConc                              | Area   | Relative to ISTD | R.T.        |      |
|-----------|--------------------------------------|--------|------------------|-------------|------|
| 14.89     | 4.44 ng                              | 204194 | Perylene-d12     | 15.47       |      |
| Hit# of 5 | Tentative ID                         | MW     | MolForm          | CAS#        | Qual |
| 1         | 1,1'-Binaphthalene                   | 254    | C20H14           | 000604-53-5 | 76   |
| 2         | 9H-Fluorene, 9-(phenylmethylene)-    | 254    | C20H14           | 001836-87-9 | 68   |
| 3         | 4,5-Dihydrobenzo[el]pyrene           | 254    | C20H14           | 095676-42-9 | 68   |
| 4         | 9,10[1',2'l]-Benzenoanthracene, 9... | 254    | C20H14           | 000477-75-8 | 64   |
| 5         | Benzo(e)pyrene, 9,10-dihydro-        | 254    | C20H14           | 066788-01-0 | 64   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020119\  
Data File : BF112360.D  
Acq On : 1 Feb 2019 19:13  
Operator : JU/SJ  
Sample : K1011-15 10X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

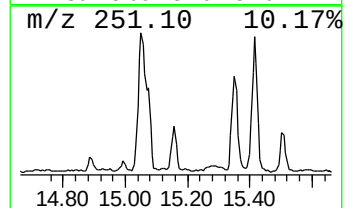
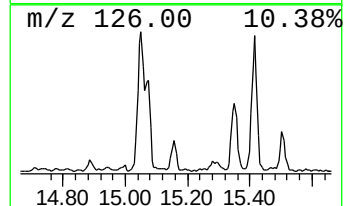
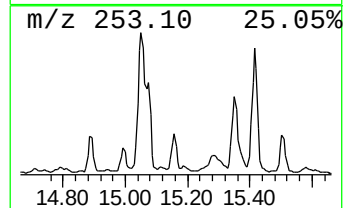
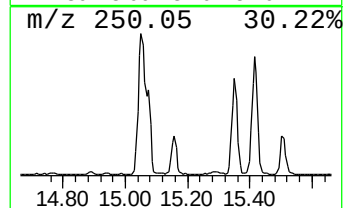
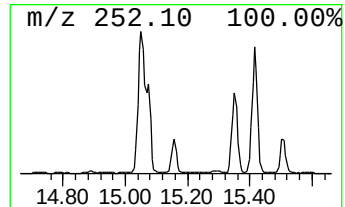
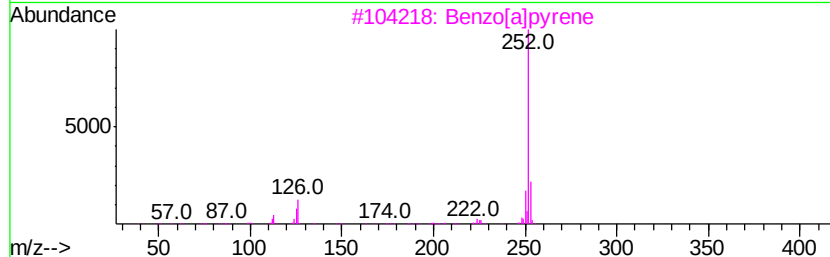
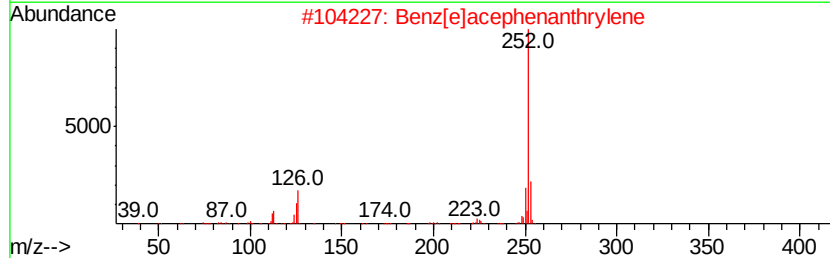
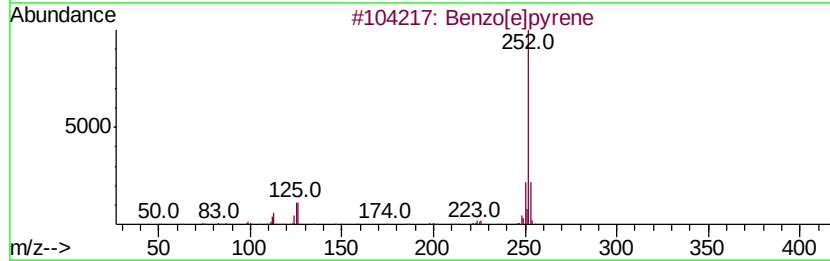
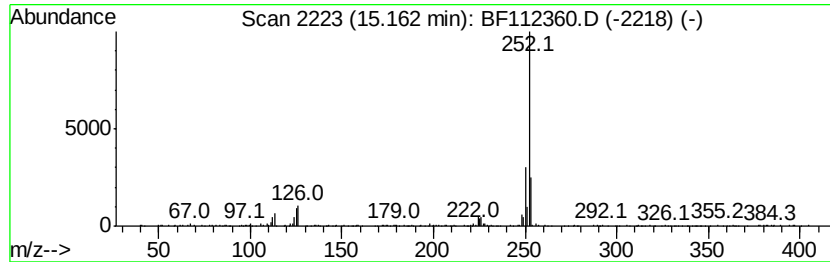
Instrument :  
BNA\_F  
ClientSampleId :  
OR-02-013119-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 19 Benzo[e]pyrene Concentration Rank 4

| R.T.      | EstConc                    | Area   | Relative to ISTD |             | R.T.  |
|-----------|----------------------------|--------|------------------|-------------|-------|
| 15.16     | 8.01 ng                    | 368465 | Perylene-d12     |             | 15.47 |
| Hit# of 5 | Tentative ID               | MW     | MolForm          | CAS#        | Qual  |
| 1         | Benzo[el]pyrene            | 252    | C20H12           | 000192-97-2 | 97    |
| 2         | Benzo[el]acephenanthrylene | 252    | C20H12           | 000205-99-2 | 93    |
| 3         | Benzo[al]pyrene            | 252    | C20H12           | 000050-32-8 | 90    |
| 4         | Benzo[kl]fluoranthene      | 252    | C20H12           | 000207-08-9 | 89    |
| 5         | Perylene                   | 252    | C20H12           | 000198-55-0 | 81    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF020119\  
 Data File : BF112360.D  
 Acq On : 1 Feb 2019 19:13  
 Operator : JU/SJ  
 Sample : K1011-15 10X  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OR-02-013119-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF012519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| unknown6.62          | 6.62  | 8.4     | ng    | 377136   | 1                     | 6.83  | 901605  | 20.0 |
| Phenanthrene, 1-m... | 11.86 | 4.1     | ng    | 243093   | 4                     | 11.36 | 1198900 | 20.0 |
| Phenanthrene, 2-m... | 11.89 | 5.4     | ng    | 325370   | 4                     | 11.36 | 1198900 | 20.0 |
| 4H-Cyclopenta[def... | 11.97 | 8.7     | ng    | 520517   | 4                     | 11.36 | 1198900 | 20.0 |
| Anthracene, 1-met... | 12.00 | 2.9     | ng    | 172917   | 4                     | 11.36 | 1198900 | 20.0 |
| 1,2,4,8-Tetrameth... | 12.16 | 3.0     | ng    | 182269   | 4                     | 11.36 | 1198900 | 20.0 |
| Phenanthrene, 4,5... | 12.30 | 2.6     | ng    | 155741   | 4                     | 11.36 | 1198900 | 20.0 |
| Phenanthrene, 2,5... | 12.41 | 6.5     | ng    | 387286   | 4                     | 11.36 | 1198900 | 20.0 |
| unknown12.45         | 12.45 | 5.5     | ng    | 327516   | 4                     | 11.36 | 1198900 | 20.0 |
| Cyclopenta(def)ph... | 12.50 | 4.5     | ng    | 268668   | 4                     | 11.36 | 1198900 | 20.0 |
| Pyrene, 2-methyl-    | 13.02 | 3.3     | ng    | 483040   | 5                     | 14.00 | 2968550 | 20.0 |
| 11H-Benzo[b]fluorene | 13.13 | 3.2     | ng    | 471224   | 5                     | 14.00 | 2968550 | 20.0 |
| Pyrene, 1-methyl-    | 13.24 | 3.2     | ng    | 470220   | 5                     | 14.00 | 2968550 | 20.0 |
| Cyclopenta[cd]pyrene | 13.80 | 2.9     | ng    | 435858   | 5                     | 14.00 | 2968550 | 20.0 |
| Benz[a]anthracene... | 14.39 | 3.3     | ng    | 494413   | 5                     | 14.00 | 2968550 | 20.0 |
| 1,1'-Binaphthalene   | 14.89 | 4.4     | ng    | 204194   | 6                     | 15.47 | 919472  | 20.0 |
| Benzo[e]pyrene       | 15.16 | 8.0     | ng    | 368465   | 6                     | 15.47 | 919472  | 20.0 |