

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\  
 Data File : BF115055.D  
 Acq On : 14 Jun 2019 22:10  
 Operator : HP/JU  
 Sample : K3361-04  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BAT-B15

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-BF061219.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         | 5.257       | 534           | 539         | 543          | rBV      | 4834153        | 5673182       | 62.03%          | 3.757%        |
| 2         | 6.293       | 709           | 715         | 718          | rBV      | 4905364        | 5911073       | 64.63%          | 3.914%        |
| 3         | 6.416       | 731           | 736         | 739          | rBV      | 5757019        | 6123657       | 66.96%          | 4.055%        |
| 4         | 6.645       | 771           | 775         | 778          | rBV      | 2313676        | 1887014       | 20.63%          | 1.250%        |
| 5         | 6.804       | 797           | 802         | 805          | rBV      | 5149525        | 4775443       | 52.22%          | 3.162%        |
| 6         | 7.210       | 865           | 871         | 874          | rBV      | 3825573        | 3867919       | 42.29%          | 2.561%        |
| 7         | 7.928       | 988           | 993         | 995          | rBV      | 2641484        | 2483873       | 27.16%          | 1.645%        |
| 8         | 7.945       | 995           | 996         | 1000         | rVB      | 681653         | 429547        | 4.70%           | 0.284%        |
| 9         | 8.634       | 1109          | 1113        | 1119         | rBV      | 370057         | 363660        | 3.98%           | 0.241%        |
| 10        | 8.734       | 1126          | 1130        | 1135         | rVB      | 337628         | 286814        | 3.14%           | 0.190%        |
| 11        | 9.004       | 1170          | 1176        | 1179         | rBV      | 6542583        | 5920437       | 64.74%          | 3.920%        |
| 12        | 9.263       | 1213          | 1220        | 1224         | rBV      | 164915         | 243074        | 2.66%           | 0.161%        |
| 13        | 9.333       | 1228          | 1232        | 1235         | rVV      | 327436         | 341596        | 3.74%           | 0.226%        |
| 14        | 9.398       | 1239          | 1243        | 1246         | rVV      | 832772         | 732617        | 8.01%           | 0.485%        |
| 15        | 9.451       | 1248          | 1252        | 1258         | rVB      | 170421         | 209872        | 2.29%           | 0.139%        |
| 16        | 9.533       | 1261          | 1266        | 1271         | rVB      | 325178         | 320007        | 3.50%           | 0.212%        |
| 17        | 9.675       | 1284          | 1290        | 1293         | rBV      | 2881303        | 2779882       | 30.40%          | 1.841%        |
| 18        | 9.704       | 1293          | 1295        | 1299         | rVB      | 1327316        | 1006303       | 11.00%          | 0.666%        |
| 19        | 9.875       | 1320          | 1324        | 1328         | rVV      | 784669         | 677674        | 7.41%           | 0.449%        |
| 20        | 10.216      | 1378          | 1382        | 1385         | rBV      | 1440203        | 1163524       | 12.72%          | 0.770%        |
| 21        | 10.304      | 1395          | 1397        | 1399         | rVV2     | 250199         | 205726        | 2.25%           | 0.136%        |
| 22        | 10.375      | 1406          | 1409        | 1415         | rVB      | 434887         | 412265        | 4.51%           | 0.273%        |
| 23        | 10.457      | 1419          | 1423        | 1427         | rVV      | 4052176        | 3786809       | 41.41%          | 2.508%        |
| 24        | 10.763      | 1468          | 1475        | 1477         | rBV2     | 388596         | 488637        | 5.34%           | 0.324%        |
| 25        | 10.786      | 1477          | 1479        | 1483         | rVV2     | 241534         | 244799        | 2.68%           | 0.162%        |
| 26        | 10.845      | 1486          | 1489        | 1492         | rVB2     | 208925         | 219393        | 2.40%           | 0.145%        |
| 27        | 10.892      | 1492          | 1497        | 1499         | rBV2     | 239939         | 344543        | 3.77%           | 0.228%        |
| 28        | 10.910      | 1499          | 1500        | 1502         | rVV      | 249814         | 204297        | 2.23%           | 0.135%        |
| 29        | 10.951      | 1505          | 1507        | 1512         | rVV2     | 194376         | 221045        | 2.42%           | 0.146%        |
| 30        | 11.004      | 1512          | 1516        | 1519         | rVV2     | 295744         | 348457        | 3.81%           | 0.231%        |
| 31        | 11.039      | 1519          | 1522        | 1525         | rVV      | 632970         | 635793        | 6.95%           | 0.421%        |
| 32        | 11.151      | 1537          | 1541        | 1542         | rBV      | 2236321        | 2219943       | 24.27%          | 1.470%        |
| 33        | 11.180      | 1542          | 1546        | 1549         | rVV      | 7387698        | 7401383       | 80.93%          | 4.901%        |
| 34        | 11.222      | 1549          | 1553        | 1557         | rVB      | 2916511        | 2600455       | 28.43%          | 1.722%        |

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 BAT-B15

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-BF061219.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 11.257 | 1557 | 1559 | 1562 | rBV2 | 204962  | 208979  | 2.29%   | 0.138% |
| 36 | 11.375 | 1577 | 1579 | 1582 | rVV  | 428818  | 379856  | 4.15%   | 0.252% |
| 37 | 11.445 | 1588 | 1591 | 1593 | rVV  | 305137  | 242081  | 2.65%   | 0.160% |
| 38 | 11.475 | 1593 | 1596 | 1600 | rVB3 | 196409  | 228154  | 2.49%   | 0.151% |
| 39 | 11.645 | 1619 | 1625 | 1628 | rBV  | 1257411 | 1329845 | 14.54%  | 0.881% |
| 40 | 11.675 | 1628 | 1630 | 1632 | rVV  | 1807755 | 1456085 | 15.92%  | 0.964% |
| 41 | 11.698 | 1632 | 1634 | 1636 | rVV  | 458275  | 415984  | 4.55%   | 0.275% |
| 42 | 11.722 | 1636 | 1638 | 1641 | rVV  | 861957  | 706583  | 7.73%   | 0.468% |
| 43 | 11.757 | 1641 | 1644 | 1647 | rVV  | 2258661 | 2425053 | 26.52%  | 1.606% |
| 44 | 11.780 | 1647 | 1648 | 1651 | rVB  | 998524  | 528542  | 5.78%   | 0.350% |
| 45 | 11.945 | 1673 | 1676 | 1678 | rBV  | 891340  | 808176  | 8.84%   | 0.535% |
| 46 | 11.963 | 1678 | 1679 | 1683 | rVB2 | 400296  | 290149  | 3.17%   | 0.192% |
| 47 | 12.092 | 1698 | 1701 | 1704 | rVB  | 301483  | 230125  | 2.52%   | 0.152% |
| 48 | 12.122 | 1704 | 1706 | 1708 | rBV  | 284638  | 212649  | 2.33%   | 0.141% |
| 49 | 12.145 | 1708 | 1710 | 1713 | rVB  | 260511  | 216726  | 2.37%   | 0.144% |
| 50 | 12.198 | 1715 | 1719 | 1722 | rBV  | 694318  | 828055  | 9.05%   | 0.548% |
| 51 | 12.233 | 1722 | 1725 | 1727 | rVV  | 458006  | 480791  | 5.26%   | 0.318% |
| 52 | 12.280 | 1730 | 1733 | 1738 | rVB3 | 399999  | 510448  | 5.58%   | 0.338% |
| 53 | 12.363 | 1742 | 1747 | 1750 | rBV  | 7377132 | 8018502 | 87.68%  | 5.310% |
| 54 | 12.404 | 1750 | 1754 | 1759 | rBV3 | 284212  | 406761  | 4.45%   | 0.269% |
| 55 | 12.498 | 1764 | 1770 | 1773 | rBV  | 469395  | 732552  | 8.01%   | 0.485% |
| 56 | 12.586 | 1779 | 1785 | 1790 | rBV2 | 6333860 | 9145373 | 100.00% | 6.056% |
| 57 | 12.627 | 1790 | 1792 | 1798 | rVB2 | 470883  | 574347  | 6.28%   | 0.380% |
| 58 | 12.698 | 1801 | 1804 | 1806 | rBV  | 569023  | 483017  | 5.28%   | 0.320% |
| 59 | 12.727 | 1806 | 1809 | 1816 | rVB  | 4333097 | 4200852 | 45.93%  | 2.782% |
| 60 | 12.804 | 1816 | 1822 | 1824 | rBV2 | 694855  | 1191843 | 13.03%  | 0.789% |
| 61 | 12.886 | 1833 | 1836 | 1837 | rVV3 | 504287  | 539853  | 5.90%   | 0.357% |
| 62 | 12.910 | 1837 | 1840 | 1843 | rVB  | 1562501 | 1448554 | 15.84%  | 0.959% |
| 63 | 12.974 | 1848 | 1851 | 1854 | rBV  | 1318038 | 1134094 | 12.40%  | 0.751% |
| 64 | 13.010 | 1854 | 1857 | 1860 | rVV  | 1087248 | 1055905 | 11.55%  | 0.699% |
| 65 | 13.033 | 1860 | 1861 | 1865 | rVB2 | 234075  | 210820  | 2.31%   | 0.140% |
| 66 | 13.098 | 1869 | 1872 | 1875 | rVB  | 522143  | 469006  | 5.13%   | 0.311% |
| 67 | 13.133 | 1875 | 1878 | 1884 | rBV2 | 573685  | 626218  | 6.85%   | 0.415% |
| 68 | 13.392 | 1918 | 1922 | 1923 | rBV2 | 211116  | 264728  | 2.89%   | 0.175% |
| 69 | 13.410 | 1923 | 1925 | 1930 | rVV  | 409067  | 505003  | 5.52%   | 0.334% |
| 70 | 13.521 | 1940 | 1944 | 1946 | rBV2 | 747793  | 824301  | 9.01%   | 0.546% |
| 71 | 13.551 | 1946 | 1949 | 1950 | rVV  | 753241  | 701335  | 7.67%   | 0.464% |

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 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BAT-B15

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-BF061219.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|     |        |      |      |      |      |         |         |        |        |
|-----|--------|------|------|------|------|---------|---------|--------|--------|
| 72  | 13.569 | 1950 | 1952 | 1958 | rVV3 | 757840  | 1129627 | 12.35% | 0.748% |
| 73  | 13.616 | 1958 | 1960 | 1964 | rVB  | 399511  | 390248  | 4.27%  | 0.258% |
| 74  | 13.768 | 1979 | 1986 | 1989 | rBV2 | 4469342 | 6877153 | 75.20% | 4.554% |
| 75  | 13.804 | 1989 | 1992 | 1997 | rVB  | 3902042 | 3960661 | 43.31% | 2.623% |
| 76  | 13.874 | 2001 | 2004 | 2007 | rVB  | 797082  | 670766  | 7.33%  | 0.444% |
| 77  | 13.957 | 2016 | 2018 | 2020 | rVV3 | 295629  | 219461  | 2.40%  | 0.145% |
| 78  | 13.992 | 2020 | 2024 | 2028 | rVV2 | 322025  | 455205  | 4.98%  | 0.301% |
| 79  | 14.121 | 2043 | 2046 | 2048 | rVV  | 302140  | 316200  | 3.46%  | 0.209% |
| 80  | 14.157 | 2048 | 2052 | 2055 | rVV  | 1105349 | 1213360 | 13.27% | 0.803% |
| 81  | 14.192 | 2055 | 2058 | 2061 | rVV  | 535531  | 573191  | 6.27%  | 0.380% |
| 82  | 14.245 | 2062 | 2067 | 2070 | rVV3 | 555326  | 887907  | 9.71%  | 0.588% |
| 83  | 14.280 | 2070 | 2073 | 2074 | rVV3 | 540692  | 570876  | 6.24%  | 0.378% |
| 84  | 14.298 | 2074 | 2076 | 2080 | rVV2 | 617131  | 680715  | 7.44%  | 0.451% |
| 85  | 14.351 | 2083 | 2085 | 2091 | rVB2 | 362431  | 357483  | 3.91%  | 0.237% |
| 86  | 14.457 | 2100 | 2103 | 2105 | rBV3 | 297054  | 330711  | 3.62%  | 0.219% |
| 87  | 14.533 | 2113 | 2116 | 2118 | rBV  | 651678  | 582660  | 6.37%  | 0.386% |
| 88  | 14.774 | 2152 | 2157 | 2160 | rBV  | 3367099 | 5598951 | 61.22% | 3.708% |
| 89  | 14.868 | 2169 | 2173 | 2176 | rVB  | 917093  | 978588  | 10.70% | 0.648% |
| 90  | 15.045 | 2198 | 2203 | 2208 | rVB  | 2052956 | 2771721 | 30.31% | 1.835% |
| 91  | 15.104 | 2208 | 2213 | 2217 | rBV  | 3202543 | 3894305 | 42.58% | 2.579% |
| 92  | 15.151 | 2217 | 2221 | 2224 | rVV  | 1273612 | 1629758 | 17.82% | 1.079% |
| 93  | 15.180 | 2224 | 2226 | 2232 | rVB2 | 1057228 | 1310148 | 14.33% | 0.868% |
| 94  | 15.780 | 2326 | 2328 | 2336 | rVB4 | 172879  | 257131  | 2.81%  | 0.170% |
| 95  | 16.457 | 2437 | 2443 | 2450 | rVB2 | 1335097 | 2447364 | 26.76% | 1.621% |
| 96  | 16.604 | 2465 | 2468 | 2473 | rVB  | 209938  | 314900  | 3.44%  | 0.209% |
| 97  | 16.662 | 2473 | 2478 | 2481 | rBV2 | 189962  | 357484  | 3.91%  | 0.237% |
| 98  | 16.845 | 2502 | 2509 | 2519 | rVB  | 1037091 | 1971636 | 21.56% | 1.306% |
| 99  | 17.051 | 2539 | 2544 | 2556 | rVB2 | 301543  | 629613  | 6.88%  | 0.417% |
| 100 | 18.815 | 2836 | 2844 | 2858 | rVB2 | 283616  | 1075364 | 11.76% | 0.712% |

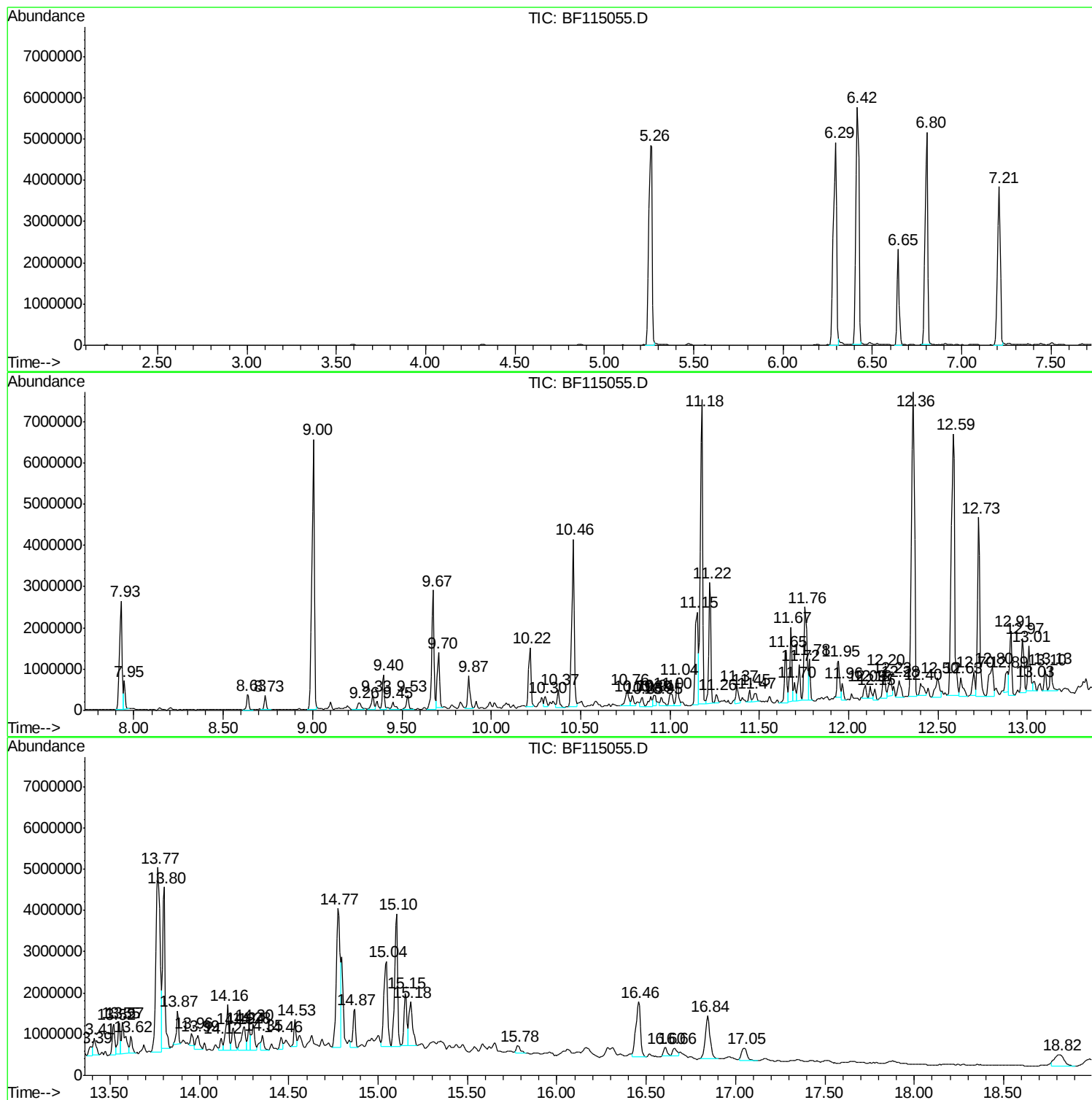
Sum of corrected areas: 151015245

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Instrument :  
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ClientSampleId :  
BAT-B15

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

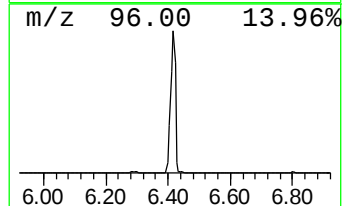
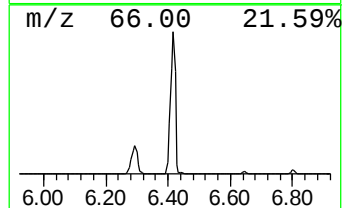
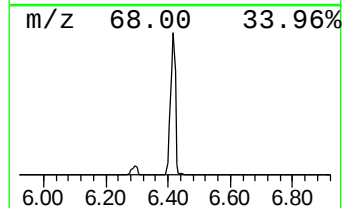
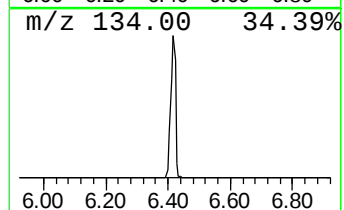
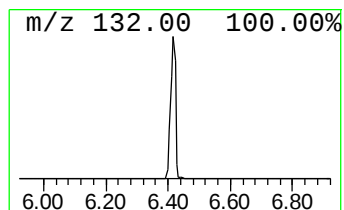
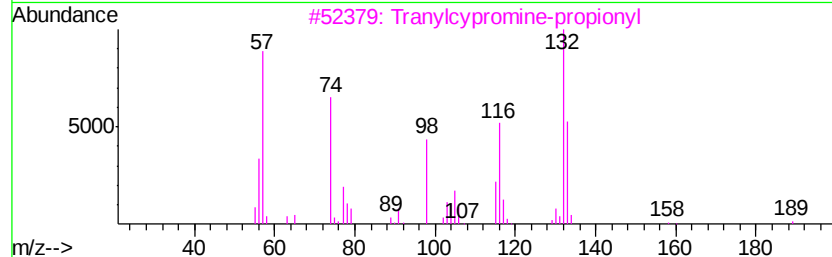
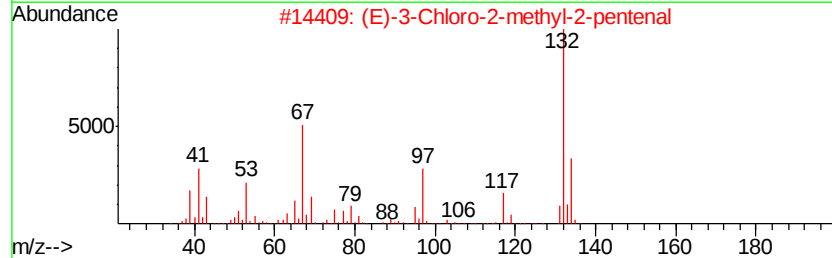
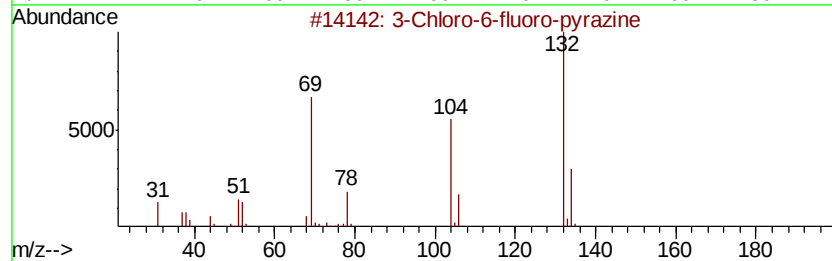
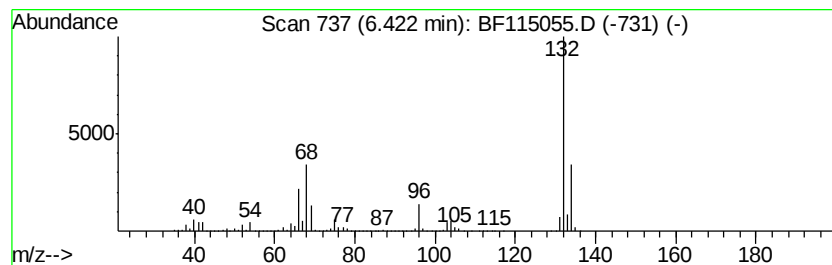
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown6.42 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.42 | 64.90 ng | 6123660 | 1,4-Dichlorobenzene-d4 | 6.65 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3  | 12   |
| 3    |    | Tranvlcvpromine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 12   |
| 4    |    | Xenon                               | 132 | Xe        | 007440-63-3  | 9    |
| 5    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

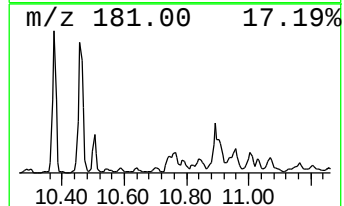
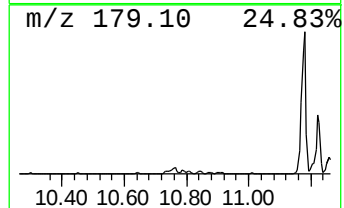
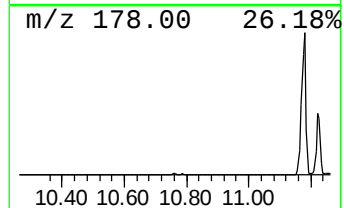
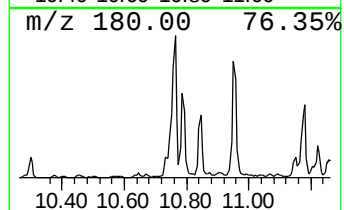
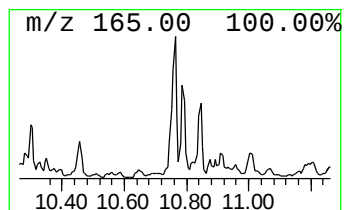
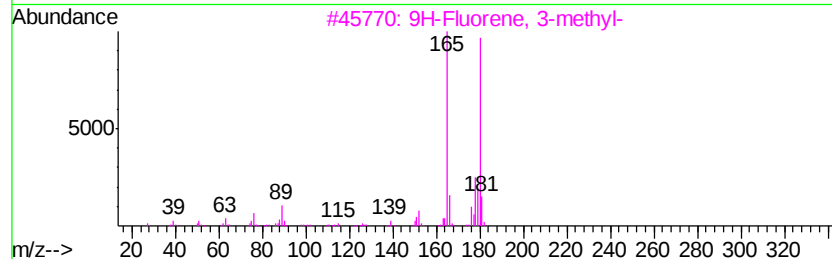
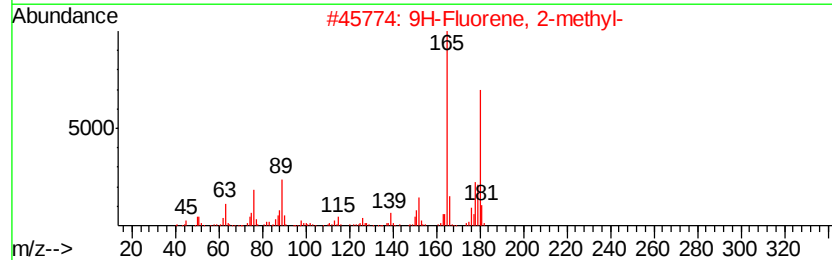
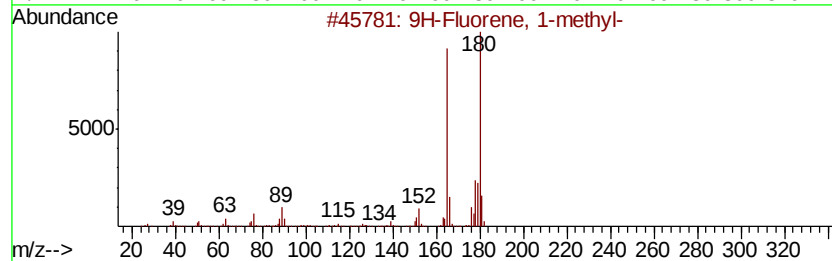
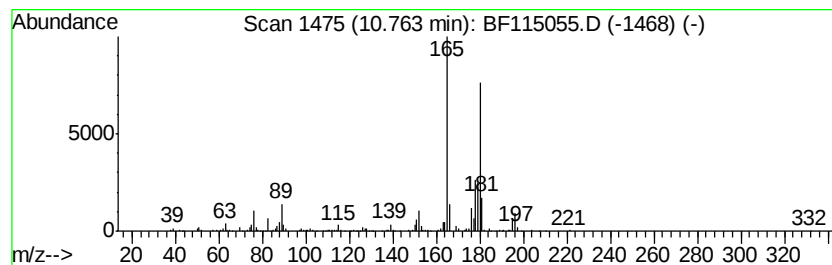
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 9H-Fluorene, 1-methyl- Concentration Rank 17

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 10.76 | 4.40 ng | 488637 | Phenanthrene-d10 | 11.15 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | 9H-Fluorene, 1-methyl-    | 180 | C14H12  | 001730-37-6 | 96   |
| 2    |    | 9H-Fluorene, 2-methyl-    | 180 | C14H12  | 001430-97-3 | 96   |
| 3    |    | 9H-Fluorene, 3-methyl-    | 180 | C14H12  | 002523-39-9 | 95   |
| 4    |    | 9H-Fluorene, 9-methyl-    | 180 | C14H12  | 002523-37-7 | 93   |
| 5    |    | 4a,9a-Methano-9H-fluorene | 180 | C14H12  | 019540-84-2 | 86   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\  
Data File : BF115055.D  
Acq On : 14 Jun 2019 22:10  
Operator : HP/JU  
Sample : K3361-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BAT-B15

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

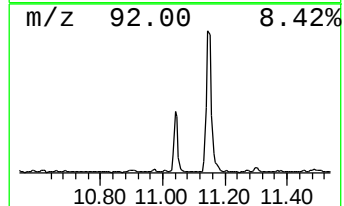
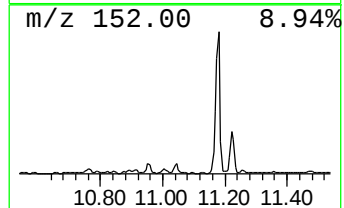
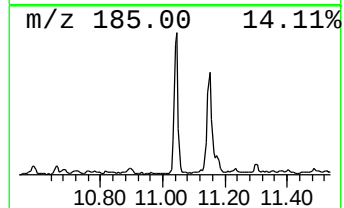
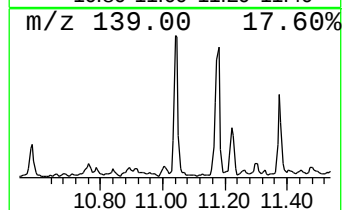
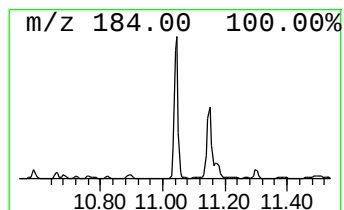
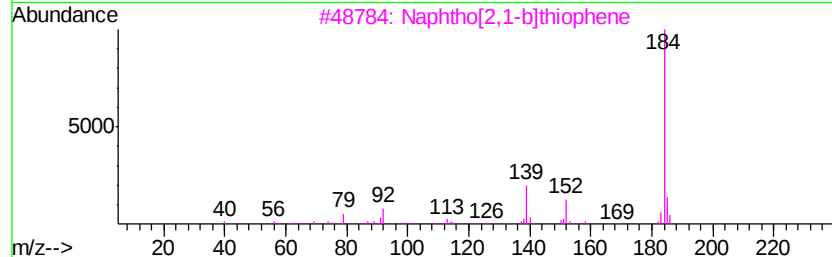
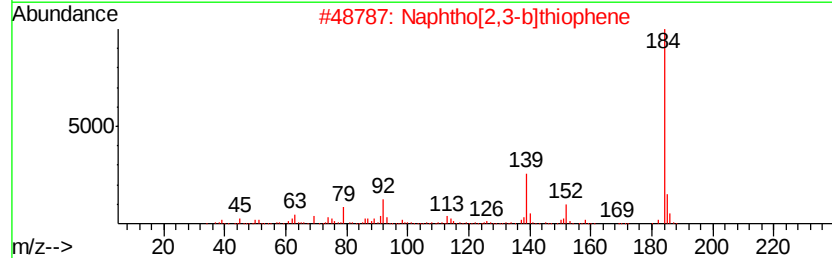
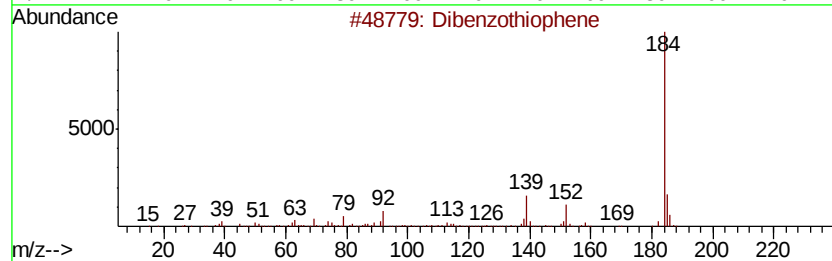
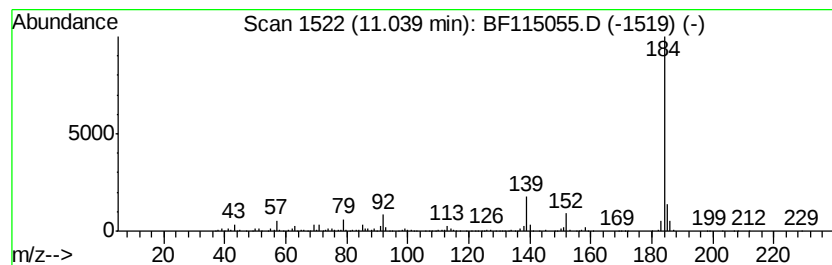
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Dibenzothiophene Concentration Rank 14

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.04 | 5.73 ng | 635793 | Phenanthrene-d10 | 11.15 |

| Hit# of | 5 | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|---------|---|---------------------------|-----|---------|-------------|------|
| 1       |   | Dibenzothiophene          | 184 | C12H8S  | 000132-65-0 | 97   |
| 2       |   | Naphtho[2,3-b]thiophene   | 184 | C12H8S  | 000268-77-9 | 95   |
| 3       |   | Naphtho[2,1-b]thiophene   | 184 | C12H8S  | 000233-02-3 | 94   |
| 4       |   | Azuleno(2,1-b)thiophene   | 184 | C12H8S  | 000248-13-5 | 91   |
| 5       |   | 1,1'-Biphenyl, 2-methoxy- | 184 | C13H12O | 000086-26-0 | 72   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\  
Data File : BF115055.D  
Acq On : 14 Jun 2019 22:10  
Operator : HP/JU  
Sample : K3361-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BAT-B15

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

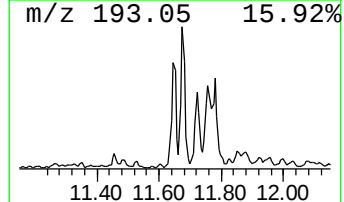
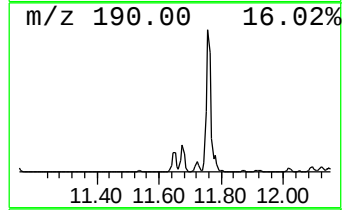
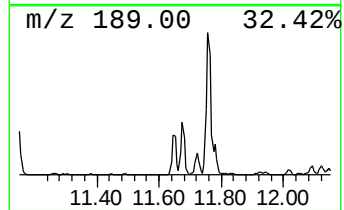
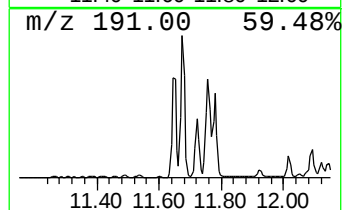
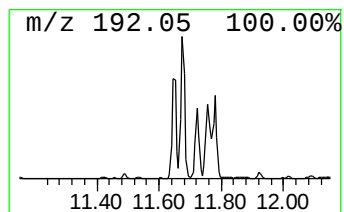
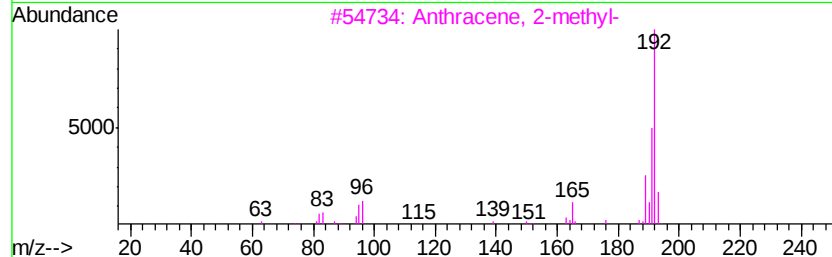
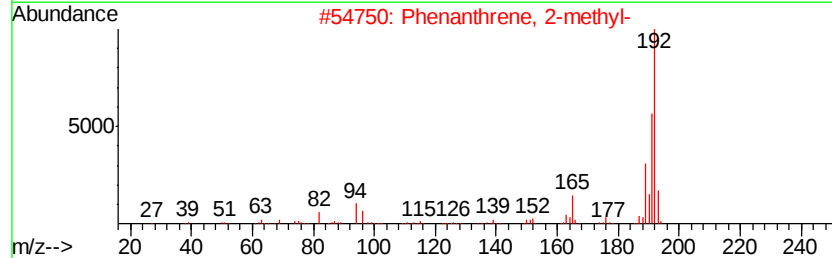
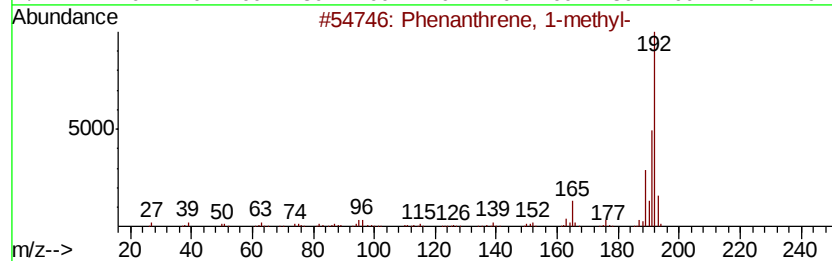
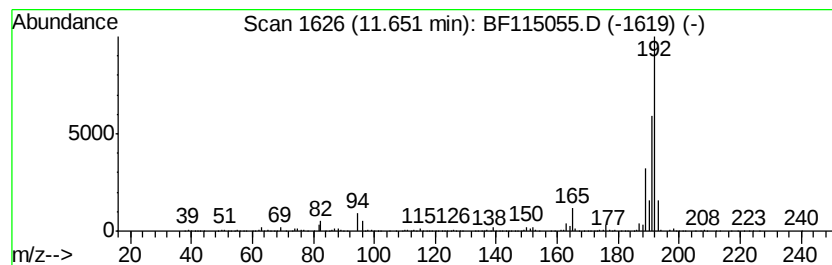
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 8

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 11.65 | 11.98 ng | 1329850 | Phenanthrene-d10 | 11.15 |

| Hit# of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|---------|---|-------------------------|-----|---------|-------------|------|
| 1       |   | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 93   |
| 2       |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 93   |
| 3       |   | Anthracene, 2-methyl-   | 192 | C15H12  | 000613-12-7 | 93   |
| 4       |   | Anthracene, 1-methyl-   | 192 | C15H12  | 000610-48-0 | 91   |
| 5       |   | Anthracene, 9-methyl-   | 192 | C15H12  | 000779-02-2 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\  
Data File : BF115055.D  
Acq On : 14 Jun 2019 22:10  
Operator : HP/JU  
Sample : K3361-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BAT-B15

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

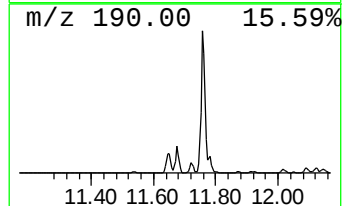
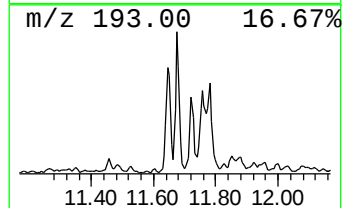
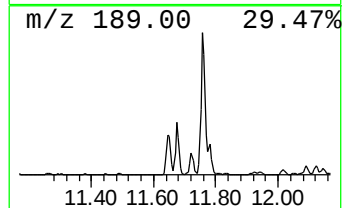
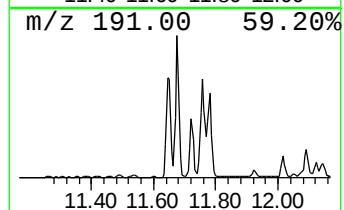
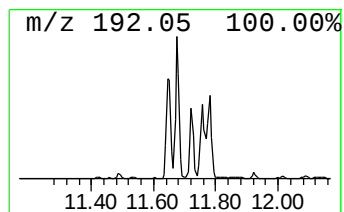
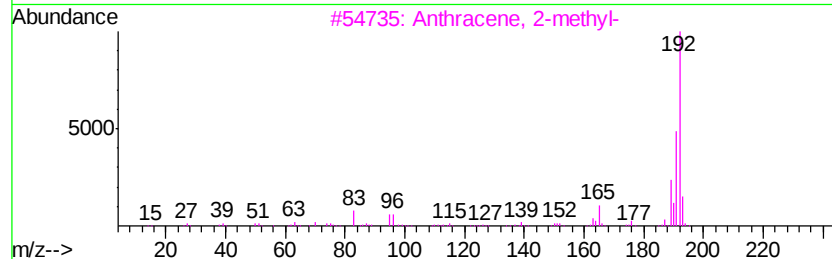
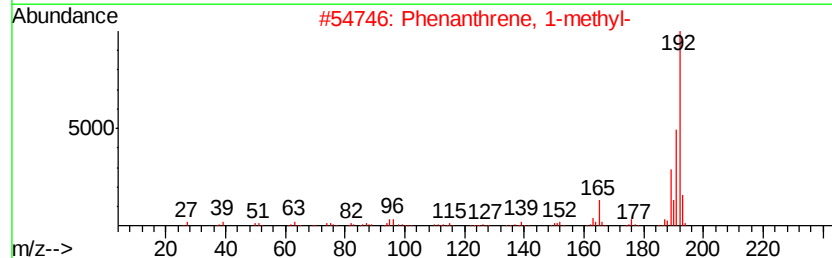
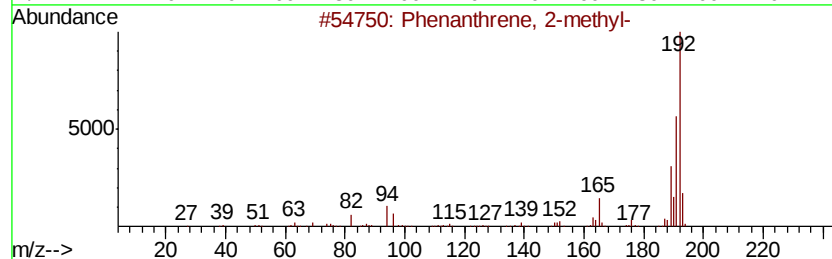
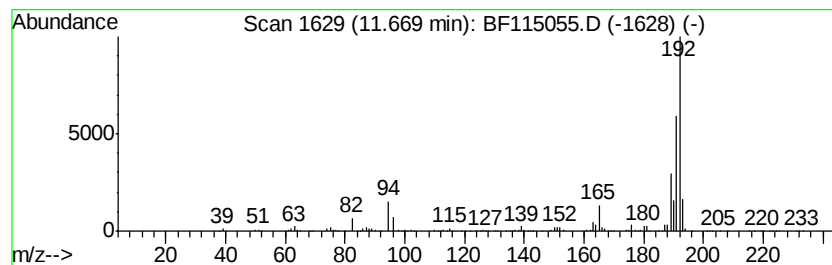
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 11.67 | 13.12 ng | 1456090 | Phenanthrene-d10 | 11.15 |

| Hit# | of | 5 | Tentative ID                          | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 2-methyl-               | 192 | C15H12  | 002531-84-2 | 98   |
| 2    |    |   | Phenanthrene, 1-methyl-               | 192 | C15H12  | 000832-69-9 | 97   |
| 3    |    |   | Anthracene, 2-methyl-                 | 192 | C15H12  | 000613-12-7 | 96   |
| 4    |    |   | 1H-Indene, 2-phenyl-                  | 192 | C15H12  | 004505-48-0 | 95   |
| 5    |    |   | 1H-Cyclopropa[1]phenanthrene, 1a, ... | 192 | C15H12  | 000949-41-7 | 95   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\  
Data File : BF115055.D  
Acq On : 14 Jun 2019 22:10  
Operator : HP/JU  
Sample : K3361-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

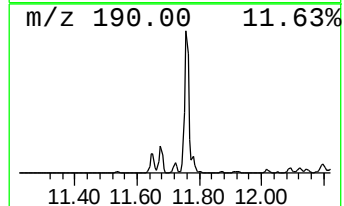
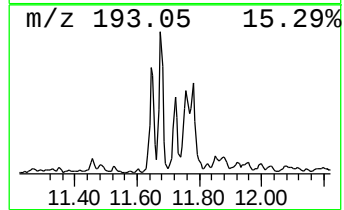
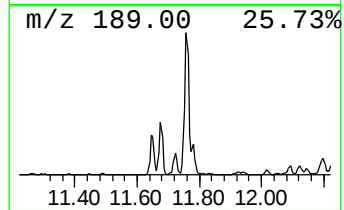
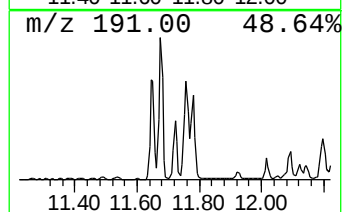
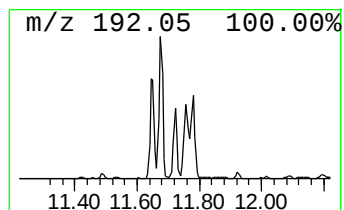
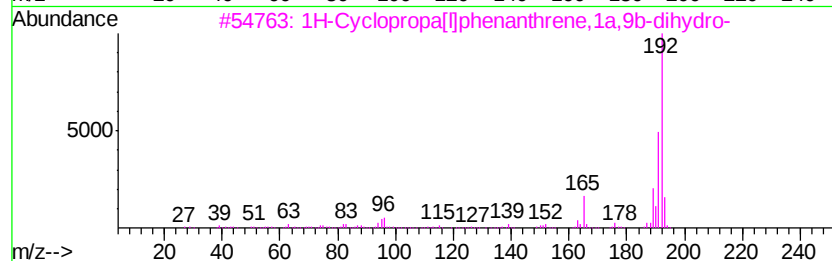
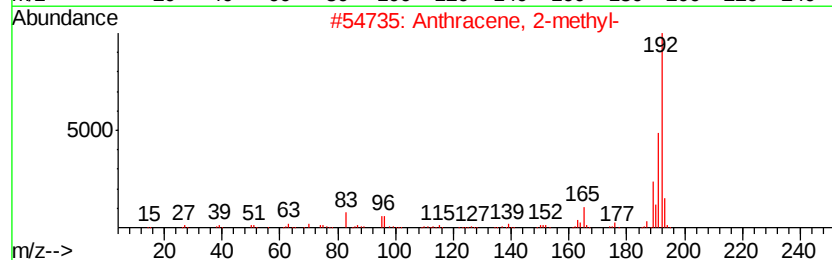
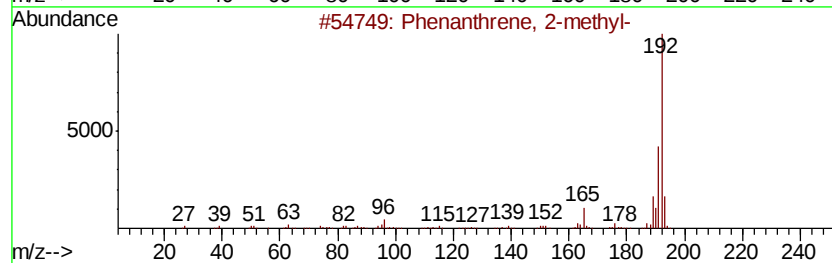
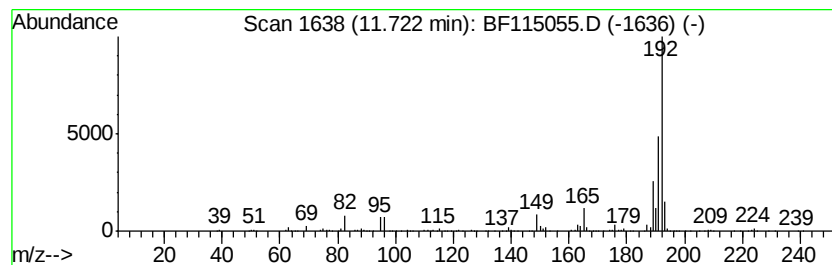
Instrument :  
BNA\_F  
ClientSampleId :  
BAT-B15

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 7 Anthracene, 2-methyl- Concentration Rank 13

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 11.72     | 6.37 ng                             | 706583 | Phenanthrene-d10 | 11.15       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | Phenanthrene, 2-methyl-             | 192    | C15H12           | 002531-84-2 | 97   |
| 2         | Anthracene, 2-methyl-               | 192    | C15H12           | 000613-12-7 | 97   |
| 3         | 1H-Cyclopropa[1]phenanthrene,1a,... | 192    | C15H12           | 000949-41-7 | 96   |
| 4         | Phenanthrene, 1-methyl-             | 192    | C15H12           | 000832-69-9 | 96   |
| 5         | Phenanthrene, 3-methyl-             | 192    | C15H12           | 000832-71-3 | 96   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\  
Data File : BF115055.D  
Acq On : 14 Jun 2019 22:10  
Operator : HP/JU  
Sample : K3361-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BAT-B15

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

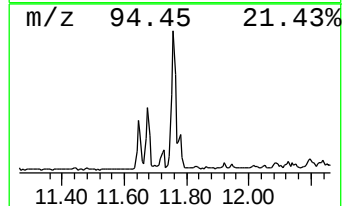
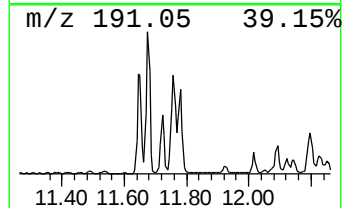
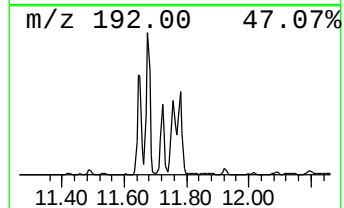
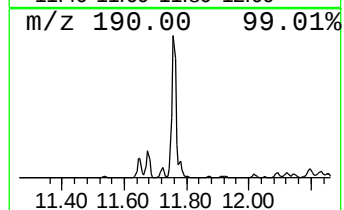
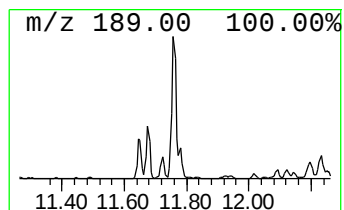
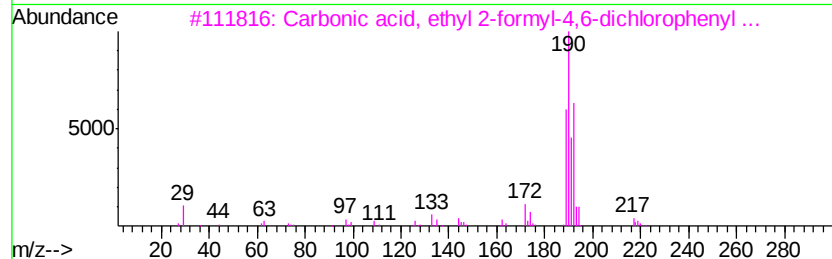
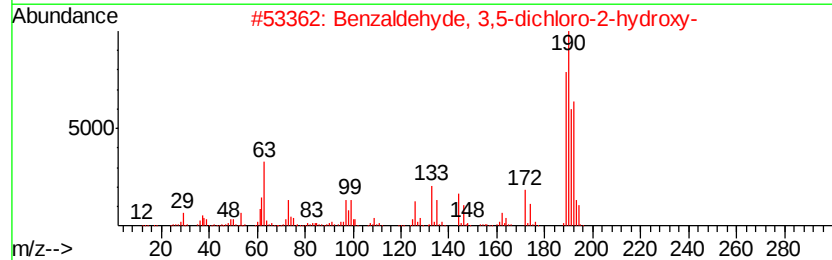
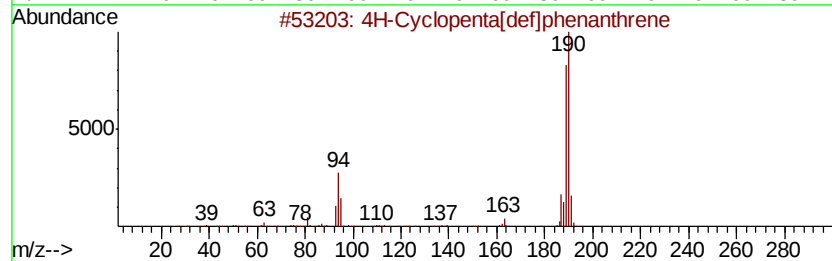
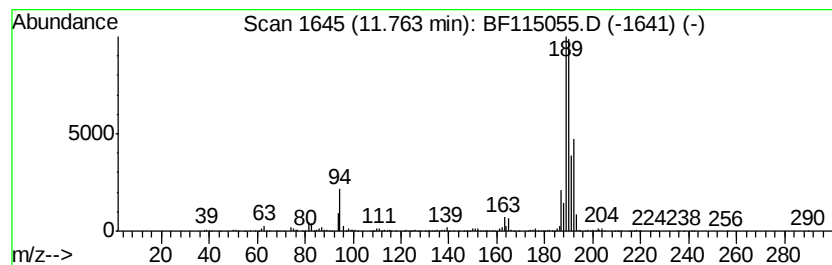
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 11.76 | 21.85 ng | 2425050 | Phenanthrene-d10 | 11.15 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10     | 000203-64-5  | 93   |
| 2    |    | Benzaldehyde, 3,5-dichloro-2-hyd... | 190 | C7H4Cl2O2  | 000090-60-8  | 50   |
| 3    |    | Carbonic acid, ethyl 2-formyl-4,... | 262 | C10H8Cl2O4 | 1000331-34-4 | 50   |
| 4    |    | 1H-Indene, 2-phenyl-                | 192 | C15H12     | 004505-48-0  | 30   |
| 5    |    | 2,6-Dichlorobenzaldoxime            | 189 | C7H5Cl2NO  | 025185-95-9  | 30   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\  
Data File : BF115055.D  
Acq On : 14 Jun 2019 22:10  
Operator : HP/JU  
Sample : K3361-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BAT-B15

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

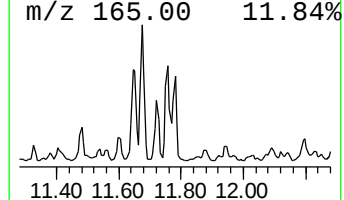
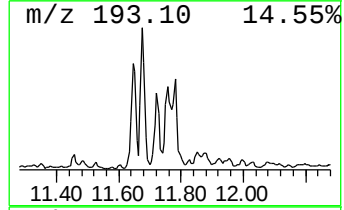
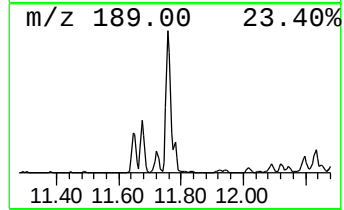
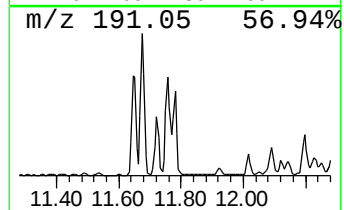
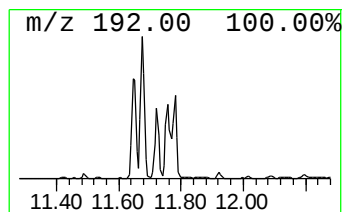
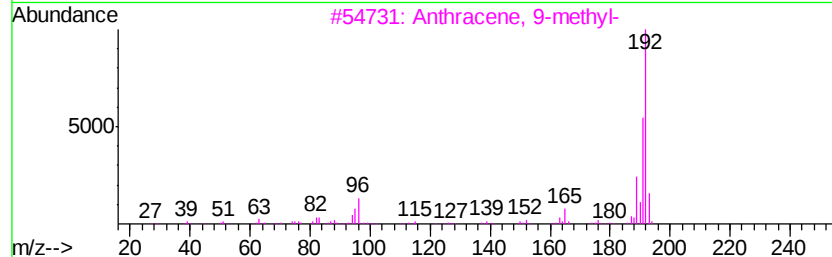
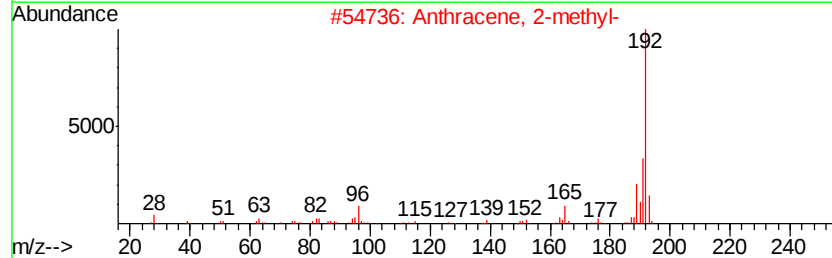
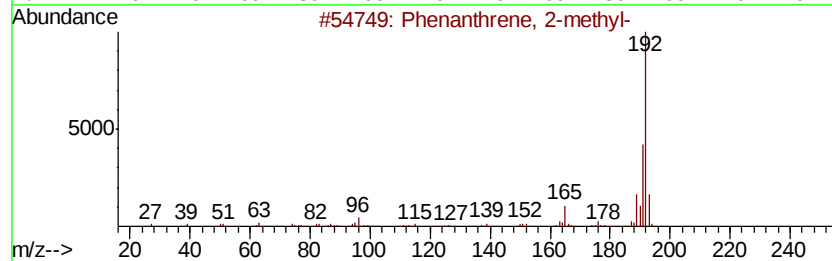
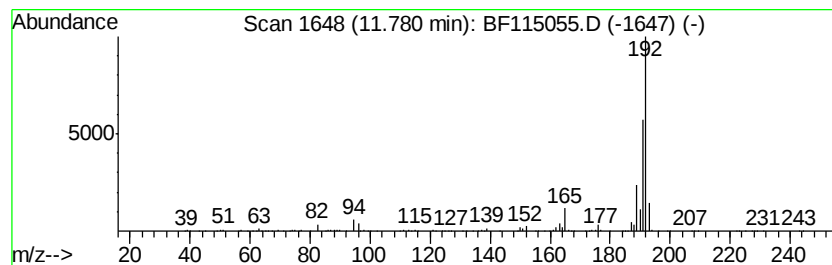
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 Anthracene, 9-methyl- Concentration Rank 15

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.78 | 4.76 ng | 528542 | Phenanthrene-d10 | 11.15 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 95   |
| 2    |    | Anthracene, 2-methyl-   | 192 | C15H12  | 000613-12-7 | 94   |
| 3    |    | Anthracene, 9-methyl-   | 192 | C15H12  | 000779-02-2 | 94   |
| 4    |    | Anthracene, 1-methyl-   | 192 | C15H12  | 000610-48-0 | 93   |
| 5    |    | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 93   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\  
Data File : BF115055.D  
Acq On : 14 Jun 2019 22:10  
Operator : HP/JU  
Sample : K3361-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

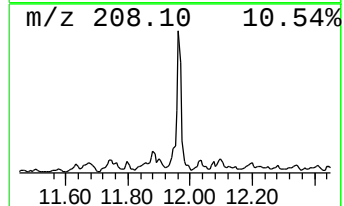
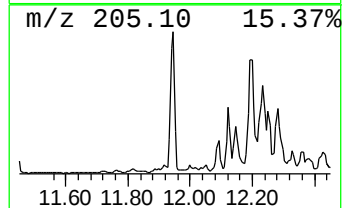
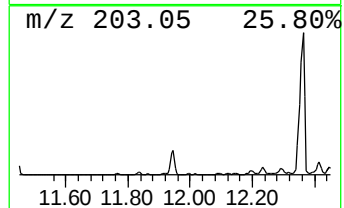
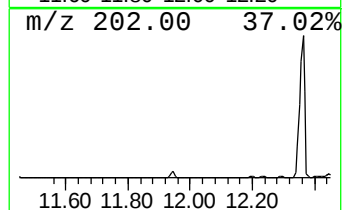
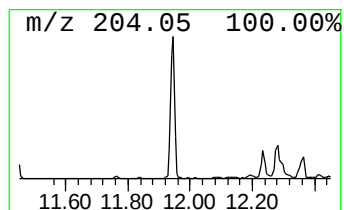
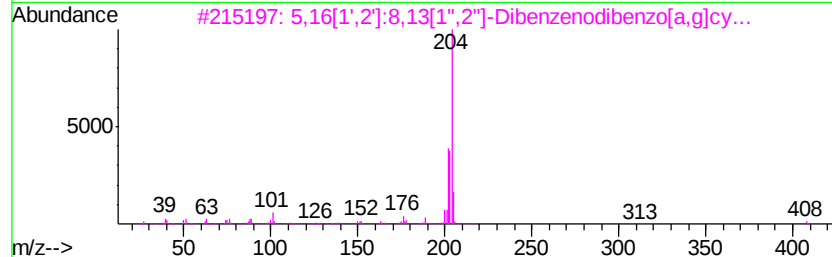
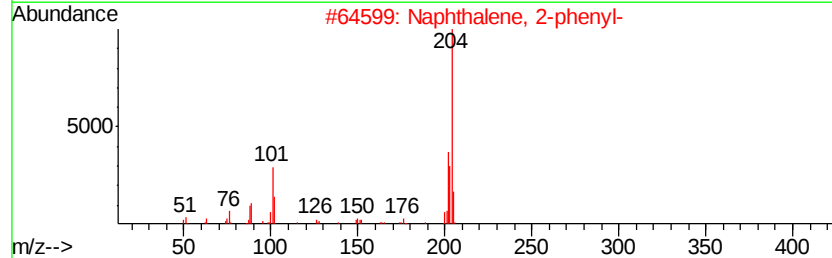
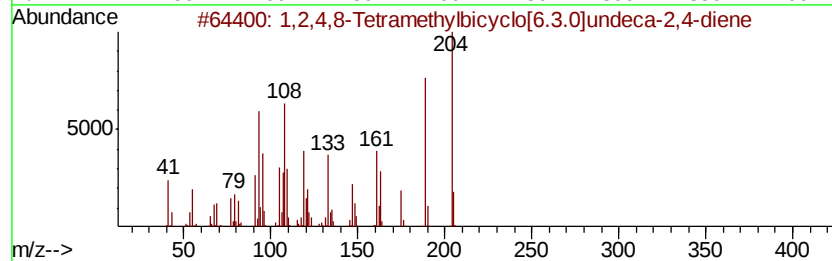
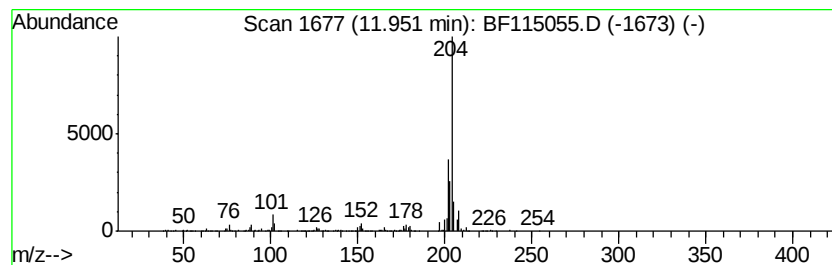
Instrument :  
BNA\_F  
ClientSampleId :  
BAT-B15

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 10 1,2,4,8-Tetramethylbicyclo[...] Concentration Rank 11

| R.T.      | EstConc                                                                      | Area   | Relative to ISTD | R.T.        |      |
|-----------|------------------------------------------------------------------------------|--------|------------------|-------------|------|
| 11.95     | 7.28 ng                                                                      | 808176 | Phenanthrene-d10 | 11.15       |      |
| 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 | 95   |
| 2         | Naphthalene, 2-phenyl-                                                       | 204    | C16H12           | 000612-94-2 | 90   |
| 3         | 5,16[1',2']-8,13[1'',2'']-Dibenz[1,2-b:4,5-b']-Diphenyl-1,3,5-trisubstituted | 408    | C32H24           | 005672-97-9 | 87   |
| 4         | Tricyclo[8.2.2.2(4,7)]hexadeca-2,4,6,8-tetraene                              | 204    | C16H12           | 006572-60-7 | 80   |
| 5         | 9,10-Bis(bromomethyl)anthracene                                              | 362    | C16H12Br2        | 034373-96-1 | 62   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\  
Data File : BF115055.D  
Acq On : 14 Jun 2019 22:10  
Operator : HP/JU  
Sample : K3361-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BAT-B15

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

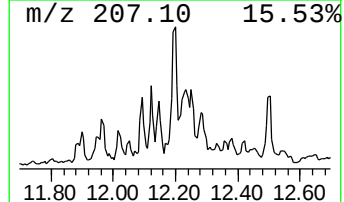
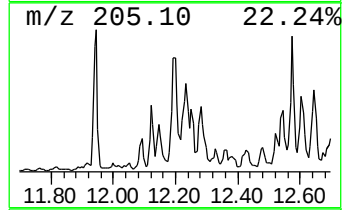
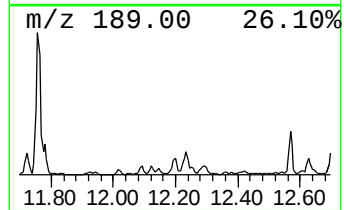
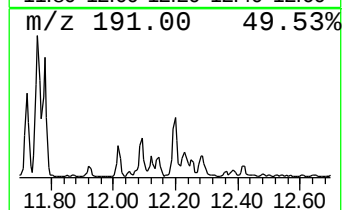
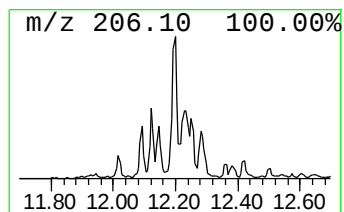
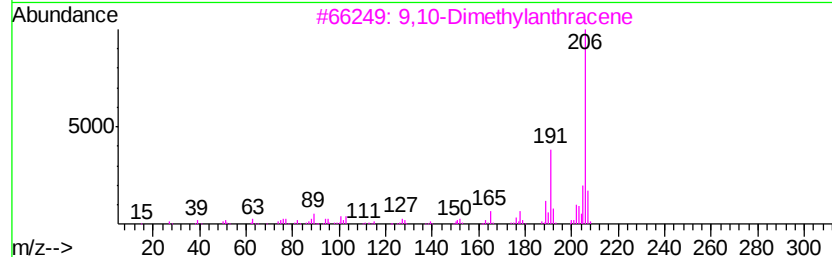
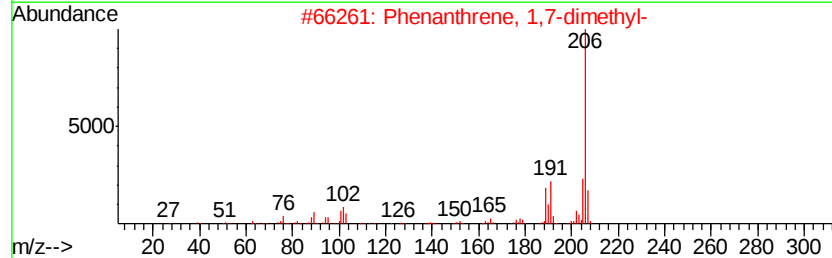
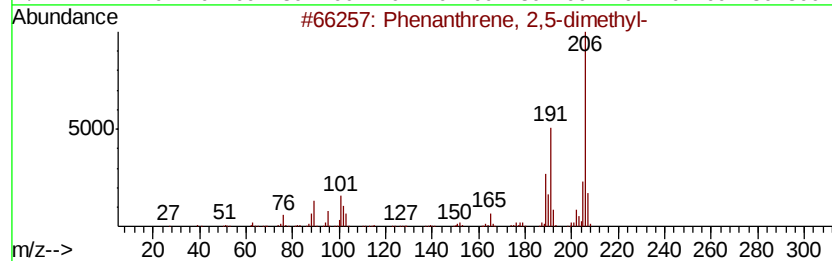
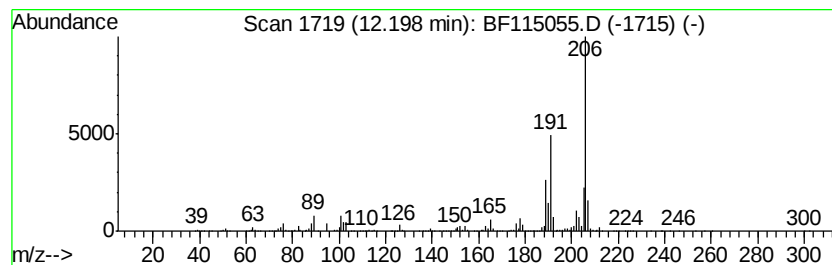
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.20 | 7.46 ng | 828055 | Phenanthrene-d10 | 11.15 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 2,5-dimethyl- | 206 | C16H14  | 003674-66-6 | 96   |
| 2    |    |   | Phenanthrene, 1,7-dimethyl- | 206 | C16H14  | 000483-87-4 | 93   |
| 3    |    |   | 9,10-Dimethylanthracene     | 206 | C16H14  | 000781-43-1 | 91   |
| 4    |    |   | Phenanthrene, 2,3-dimethyl- | 206 | C16H14  | 003674-65-5 | 91   |
| 5    |    |   | Phenanthrene, 3,6-dimethyl- | 206 | C16H14  | 001576-67-6 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\  
Data File : BF115055.D  
Acq On : 14 Jun 2019 22:10  
Operator : HP/JU  
Sample : K3361-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BAT-B15

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

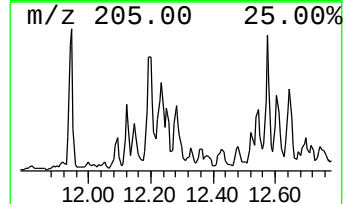
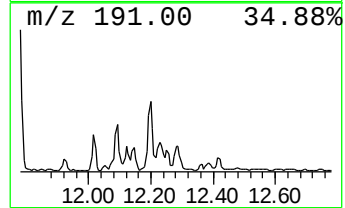
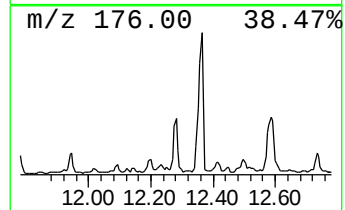
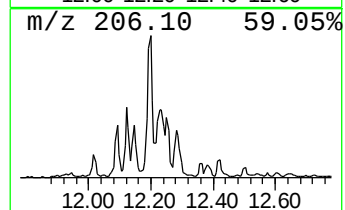
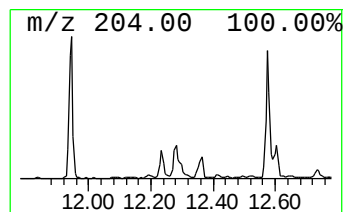
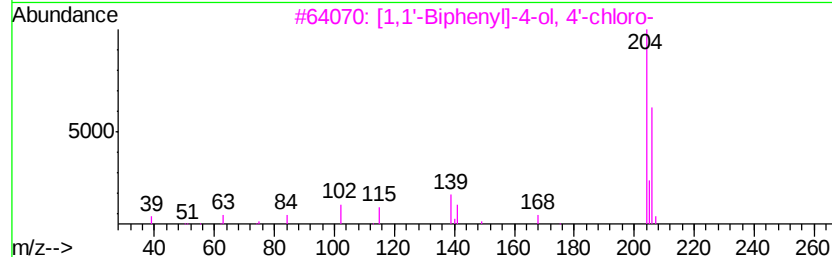
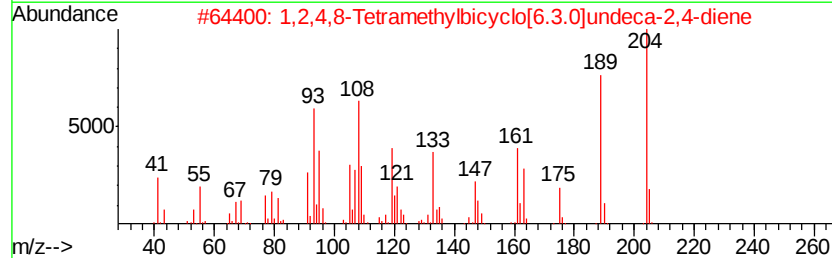
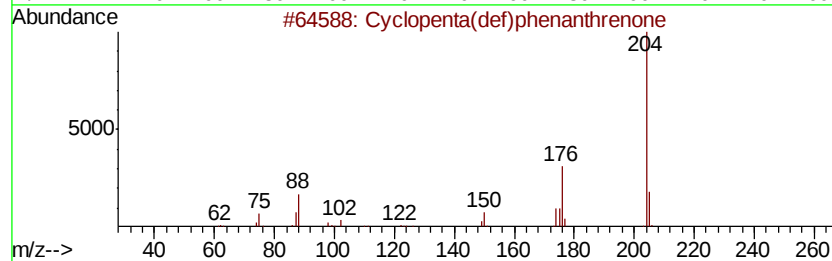
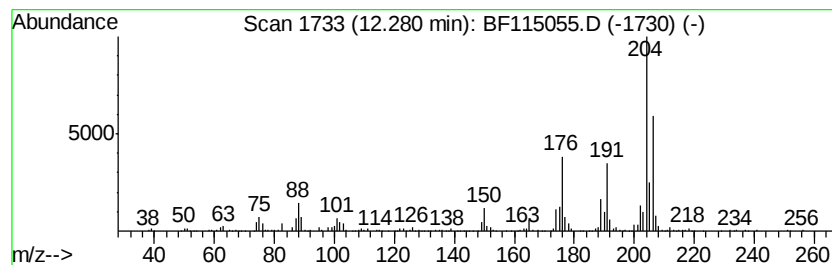
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 16

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.28 | 4.60 ng | 510448 | Phenanthrene-d10 | 11.15 |

| Hit# | of | Tentative ID                                      | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Cyclopenta(def)phenanthrenone                     | 204 | C15H8O   | 005737-13-3 | 95   |
| 2    |    | 1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene | 204 | C15H24   | 137235-51-9 | 46   |
| 3    |    | [1,1'-Biphenyl]-4-ol, 4'-chloro-                  | 204 | C12H9ClO | 028034-99-3 | 46   |
| 4    |    | Phenanthrene, 2,5-dimethyl-                       | 206 | C16H14   | 003674-66-6 | 42   |
| 5    |    | di-p-Tolylacetylene                               | 206 | C16H14   | 002789-88-0 | 42   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\  
Data File : BF115055.D  
Acq On : 14 Jun 2019 22:10  
Operator : HP/JU  
Sample : K3361-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BAT-B15

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

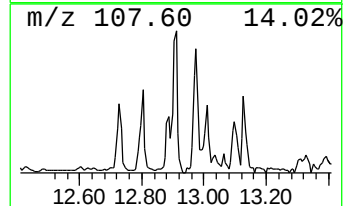
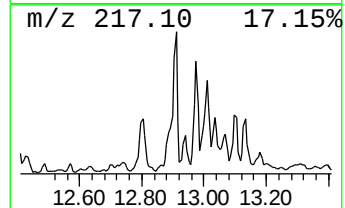
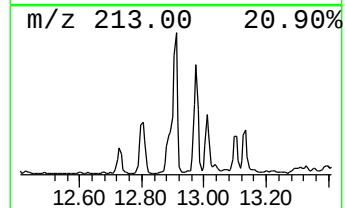
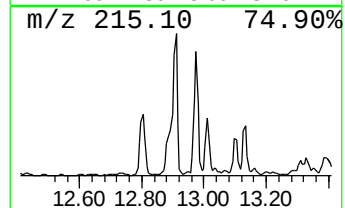
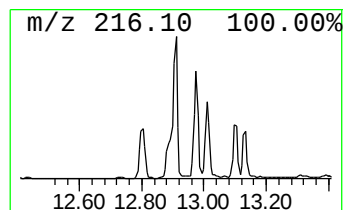
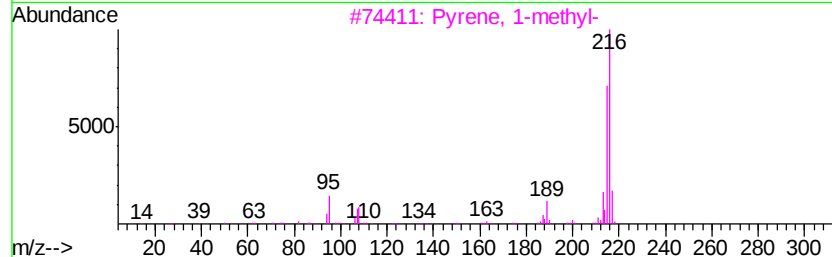
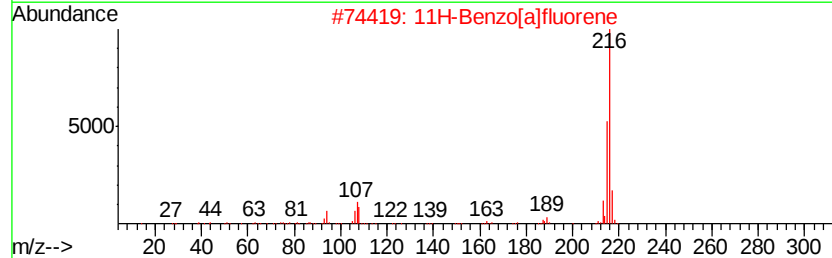
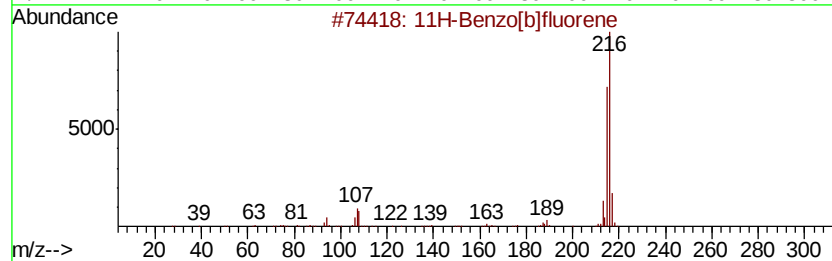
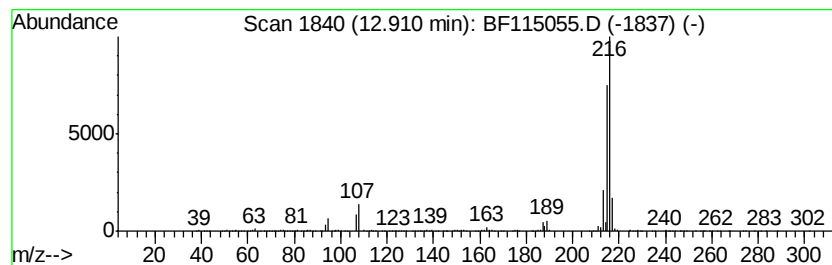
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 20

| R.T.  | EstConc | Area    | Relative to ISTD | R.T.  |
|-------|---------|---------|------------------|-------|
| 12.91 | 4.21 ng | 1448550 | Chrysene-d12     | 13.77 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | 11H-Benzo[b]fluorene    | 216 | C17H12  | 000243-17-4 | 96   |
| 2    |    | 11H-Benzo[a]fluorene    | 216 | C17H12  | 000238-84-6 | 95   |
| 3    |    | Pvrene, 1-methyl-       | 216 | C17H12  | 002381-21-7 | 90   |
| 4    |    | 7H-Benzo[c]fluorene     | 216 | C17H12  | 000205-12-9 | 87   |
| 5    |    | Fluoranthene, 2-methyl- | 216 | C17H12  | 033543-31-6 | 70   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\  
Data File : BF115055.D  
Acq On : 14 Jun 2019 22:10  
Operator : HP/JU  
Sample : K3361-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BAT-B15

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

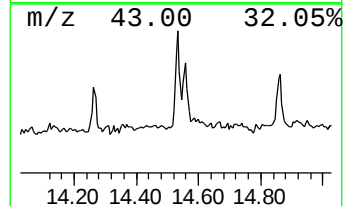
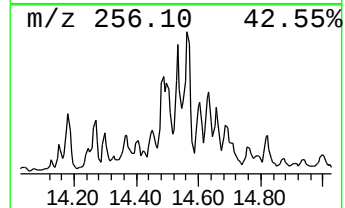
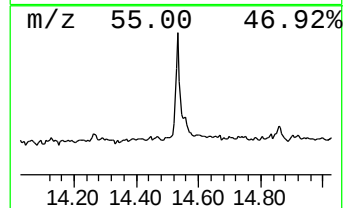
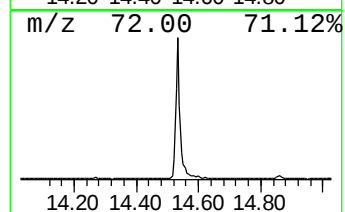
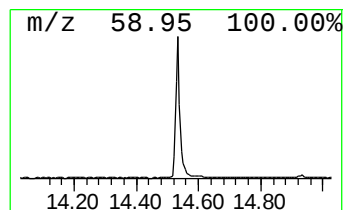
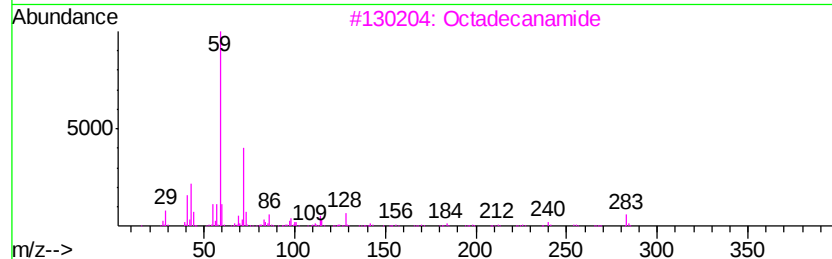
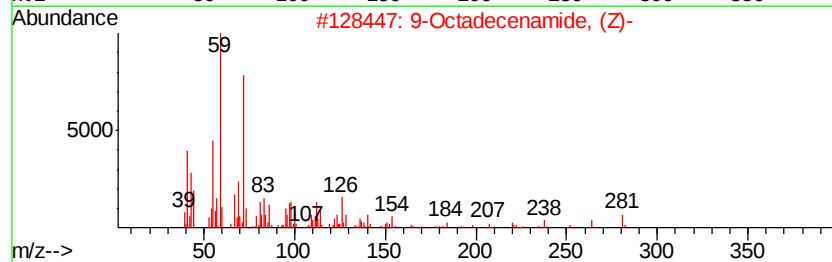
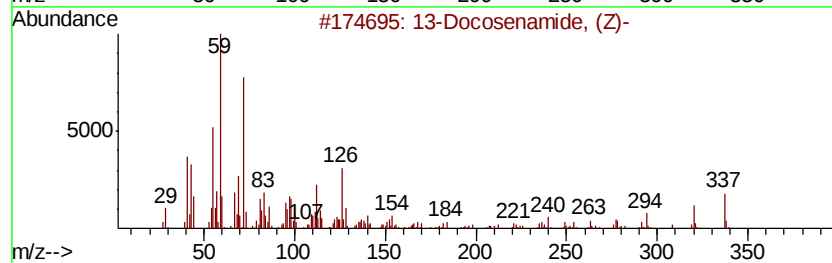
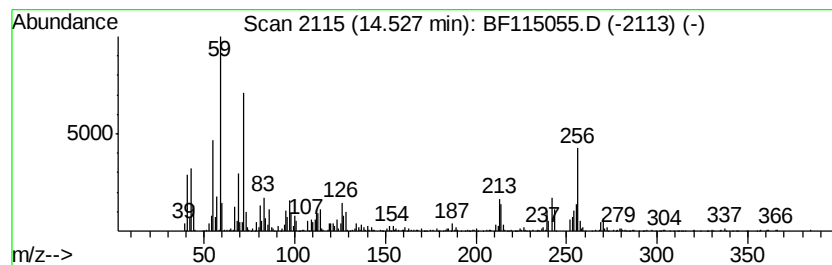
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 15 13-Docosenamide, (Z)- Concentration Rank 12

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.53 | 7.15 ng | 582660 | Perylene-d12     | 15.15 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | 13-Docosenamide, (Z)-               | 337 | C22H43NO   | 000112-84-5 | 50   |
| 2    |    | 9-Octadecenamide, (Z)-              | 281 | C18H35NO   | 000301-02-0 | 50   |
| 3    |    | Octadecanamide                      | 283 | C18H37NO   | 000124-26-5 | 38   |
| 4    |    | Benzeneethanamine, 2-fluoro-.bet... | 229 | C11H16FN03 | 061338-98-5 | 35   |
| 5    |    | Hexadecanamide                      | 255 | C16H33NO   | 000629-54-9 | 30   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\  
Data File : BF115055.D  
Acq On : 14 Jun 2019 22:10  
Operator : HP/JU  
Sample : K3361-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BAT-B15

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

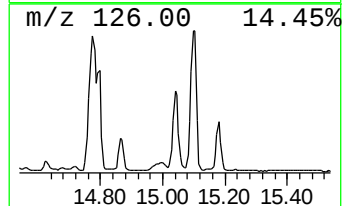
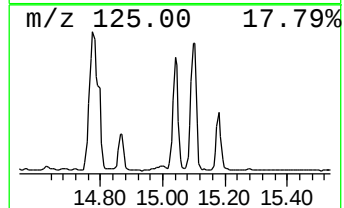
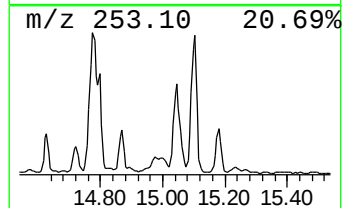
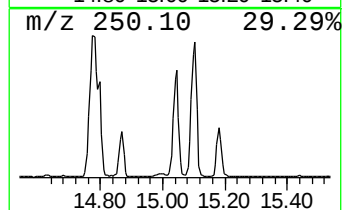
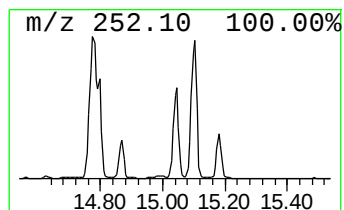
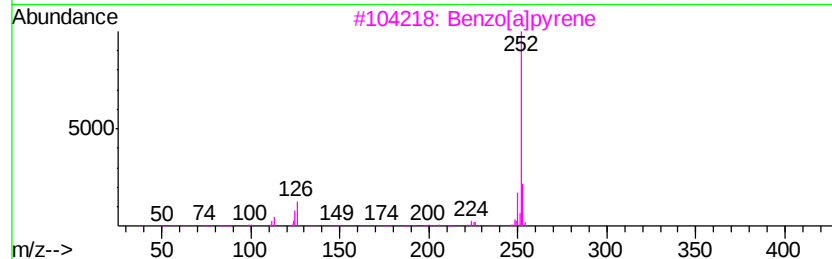
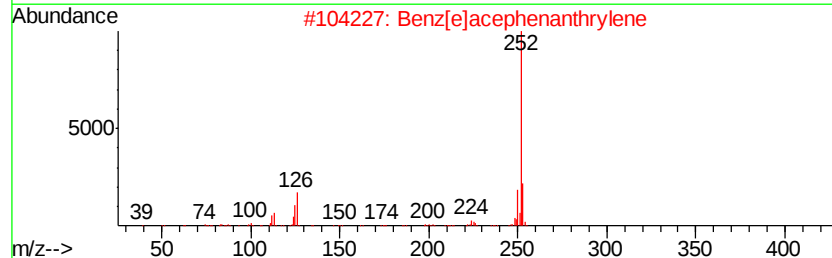
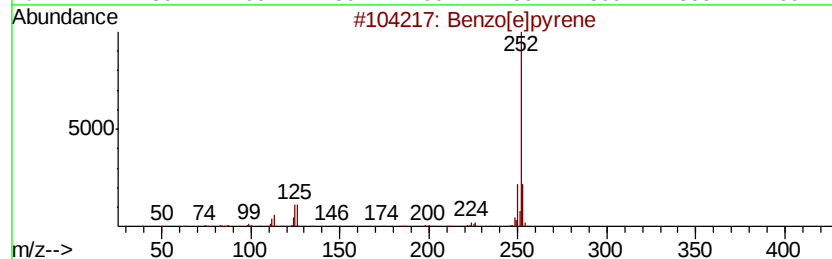
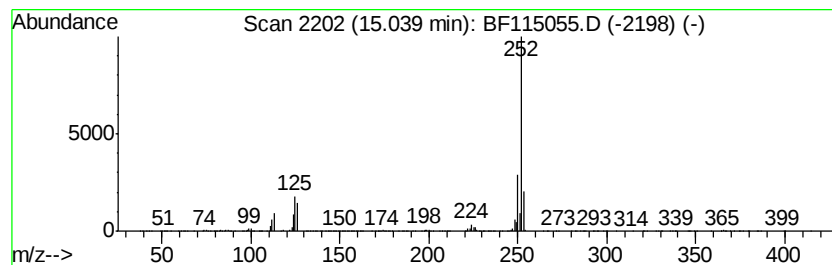
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 17 Benzo[e]pyrene Concentration Rank 3

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 15.04 | 34.01 ng | 2771720 | Perylene-d12     | 15.15 |

| Hit# | of | 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzo[e]bpvrene          | 252 | C20H12  | 000192-97-2 | 94   |
| 2    |    |   | Benz[e]acephenanthrylene | 252 | C20H12  | 000205-99-2 | 93   |
| 3    |    |   | Benzo[a]bpvrene          | 252 | C20H12  | 000050-32-8 | 93   |
| 4    |    |   | Perylene                 | 252 | C20H12  | 000198-55-0 | 90   |
| 5    |    |   | Benzo[k]fluoranthene     | 252 | C20H12  | 000207-08-9 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\  
Data File : BF115055.D  
Acq On : 14 Jun 2019 22:10  
Operator : HP/JU  
Sample : K3361-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BAT-B15

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

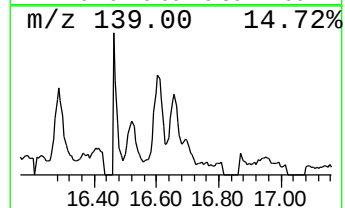
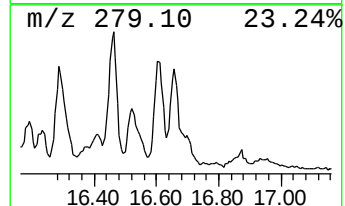
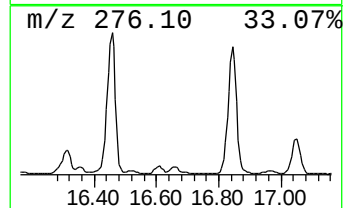
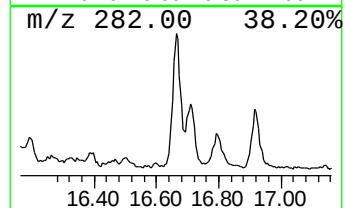
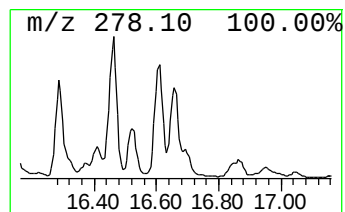
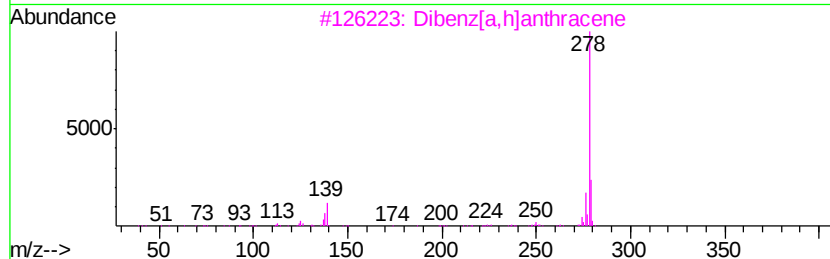
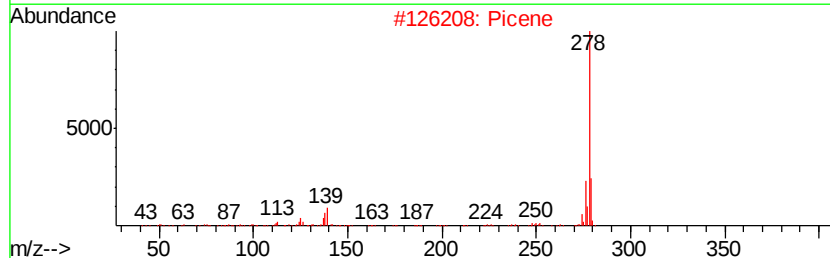
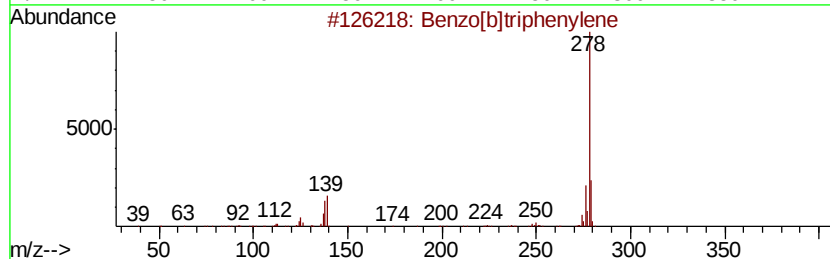
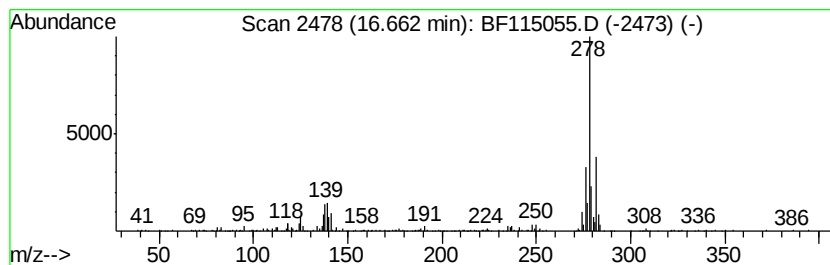
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 18 Benzo[b]triphenylene Concentration Rank 18

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 16.66 | 4.39 ng | 357484 | Perylene-d12     | 15.15 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Benzo[b]triphenylene  | 278 | C22H14  | 000215-58-7 | 95   |
| 2    |    | Picene                | 278 | C22H14  | 000213-46-7 | 90   |
| 3    |    | Dibenz[a,h]anthracene | 278 | C22H14  | 000053-70-3 | 78   |
| 4    |    | Benzo[b]chrysene      | 278 | C22H14  | 000214-17-5 | 78   |
| 5    |    | Benzo[a]naphthacene   | 278 | C22H14  | 000226-88-0 | 60   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\  
Data File : BF115055.D  
Acq On : 14 Jun 2019 22:10  
Operator : HP/JU  
Sample : K3361-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BAT-B15

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

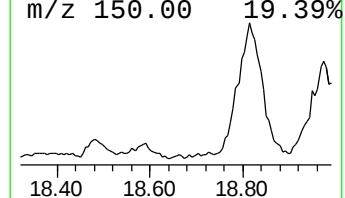
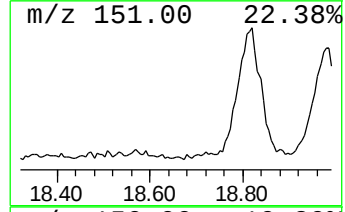
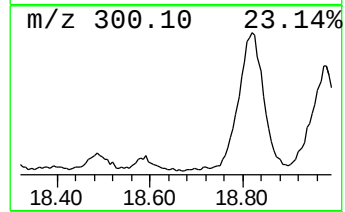
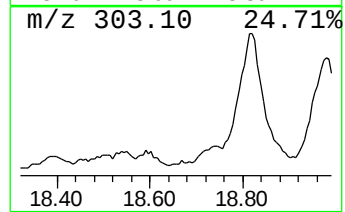
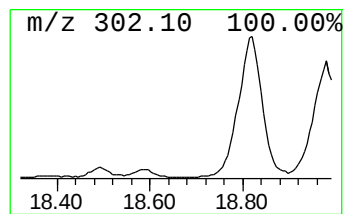
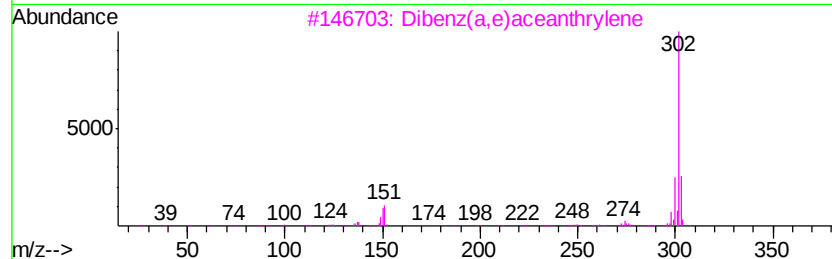
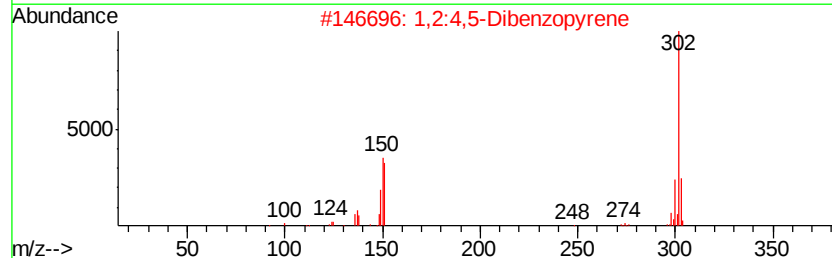
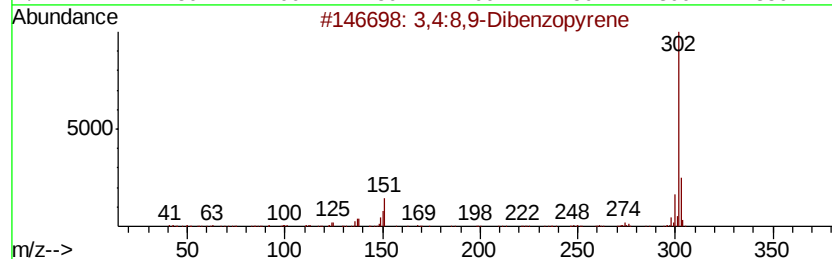
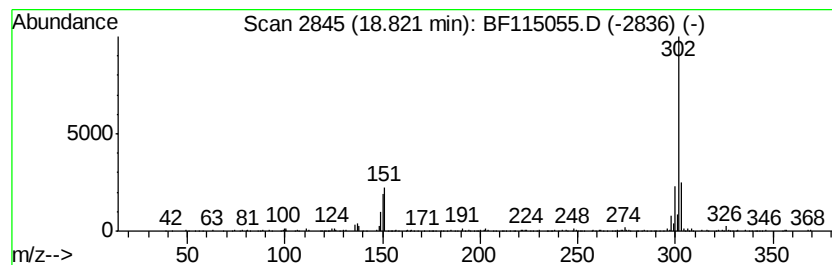
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 3,4:8,9-Dibenzopyrene Concentration Rank 5

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 18.82 | 13.20 ng | 1075360 | Perylene-d12     | 15.15 |

| Hit# | of | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------|-----|---------|-------------|------|
| 1    | 5  | 3,4:8,9-Dibenzopyrene    | 302 | C24H14  | 000189-64-0 | 93   |
| 2    |    | 1,2:4,5-Dibenzopyrene    | 302 | C24H14  | 000192-65-4 | 93   |
| 3    |    | Dibenz(a,e)aceanthrylene | 302 | C24H14  | 005385-75-1 | 93   |
| 4    |    | Dibenzo(a,i)pyrene       | 302 | C24H14  | 000189-55-9 | 93   |
| 5    |    | 1,2,9,10-Dibenzopyrene   | 302 | C24H14  | 000191-30-0 | 70   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF061419\  
 Data File : BF115055.D  
 Acq On : 14 Jun 2019 22:10  
 Operator : HP/JU  
 Sample : K3361-04  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BAT-B15

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF061219.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 |
| unknown6.42          | 6.42  | 64.9    | ng    | 6123660  | 1                     | 6.65  | 1887010 | 20.0 |
| 9H-Fluorene, 1-me... | 10.76 | 4.4     | ng    | 488637   | 4                     | 11.15 | 2219940 | 20.0 |
| Dibenzothiophene     | 11.04 | 5.7     | ng    | 635793   | 4                     | 11.15 | 2219940 | 20.0 |
| Phenanthrene, 1-m... | 11.65 | 12.0    | ng    | 1329850  | 4                     | 11.15 | 2219940 | 20.0 |
| Phenanthrene, 2-m... | 11.67 | 13.1    | ng    | 1456090  | 4                     | 11.15 | 2219940 | 20.0 |
| Anthracene, 2-met... | 11.72 | 6.4     | ng    | 706583   | 4                     | 11.15 | 2219940 | 20.0 |
| 4H-Cyclopenta[def... | 11.76 | 21.9    | ng    | 2425050  | 4                     | 11.15 | 2219940 | 20.0 |
| Anthracene, 9-met... | 11.78 | 4.8     | ng    | 528542   | 4                     | 11.15 | 2219940 | 20.0 |
| 1,2,4,8-Tetrameth... | 11.95 | 7.3     | ng    | 808176   | 4                     | 11.15 | 2219940 | 20.0 |
| Phenanthrene, 2,5... | 12.20 | 7.5     | ng    | 828055   | 4                     | 11.15 | 2219940 | 20.0 |
| Cyclopenta(def)ph... | 12.28 | 4.6     | ng    | 510448   | 4                     | 11.15 | 2219940 | 20.0 |
| 11H-Benzo[b]fluorene | 12.91 | 4.2     | ng    | 1448550  | 5                     | 13.77 | 6877150 | 20.0 |
| 13-Docosenamide, ... | 14.53 | 7.2     | ng    | 582660   | 6                     | 15.15 | 1629760 | 20.0 |
| Benzo[e]pyrene       | 15.04 | 34.0    | ng    | 2771720  | 6                     | 15.15 | 1629760 | 20.0 |
| Benzo[b]triphenylene | 16.66 | 4.4     | ng    | 357484   | 6                     | 15.15 | 1629760 | 20.0 |
| 3,4:8,9-Dibenzopy... | 18.82 | 13.2    | ng    | 1075360  | 6                     | 15.15 | 1629760 | 20.0 |