

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\  
 Data File : BF121108.D  
 Acq On : 29 Jul 2020 18:26  
 Operator : JU/CG  
 Sample : L3436-12 5X  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 12

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-BF071620.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         | 5.416       | 562           | 566         | 575          | rVB      | 456221         | 425987        | 20.17%          | 1.735%        |
| 2         | 6.439       | 736           | 740         | 754          | rBV      | 449099         | 443338        | 20.99%          | 1.806%        |
| 3         | 6.634       | 769           | 773         | 778          | rBV3     | 31126          | 40534         | 1.92%           | 0.165%        |
| 4         | 6.798       | 798           | 801         | 805          | rBV      | 958370         | 851961        | 40.34%          | 3.471%        |
| 5         | 7.063       | 843           | 846         | 852          | rBV      | 33676          | 36070         | 1.71%           | 0.147%        |
| 6         | 7.357       | 893           | 896         | 901          | rVB      | 317257         | 266493        | 12.62%          | 1.086%        |
| 7         | 8.086       | 1014          | 1020        | 1022         | rBV      | 1251701        | 1110515       | 52.59%          | 4.524%        |
| 8         | 8.104       | 1022          | 1023        | 1026         | rVB      | 152691         | 90610         | 4.29%           | 0.369%        |
| 9         | 8.798       | 1135          | 1141        | 1144         | rVB      | 112076         | 101902        | 4.83%           | 0.415%        |
| 10        | 8.892       | 1153          | 1157        | 1162         | rBV      | 91406          | 91677         | 4.34%           | 0.373%        |
| 11        | 9.157       | 1199          | 1202        | 1205         | rBV      | 791120         | 588280        | 27.86%          | 2.397%        |
| 12        | 9.239       | 1213          | 1216        | 1218         | rBV      | 48844          | 48081         | 2.28%           | 0.196%        |
| 13        | 9.357       | 1233          | 1236        | 1241         | rVB      | 27080          | 34679         | 1.64%           | 0.141%        |
| 14        | 9.422       | 1241          | 1247        | 1251         | rBV2     | 71674          | 108029        | 5.12%           | 0.440%        |
| 15        | 9.498       | 1256          | 1260        | 1262         | rBV      | 105260         | 101433        | 4.80%           | 0.413%        |
| 16        | 9.522       | 1262          | 1264        | 1266         | rVB      | 78663          | 52300         | 2.48%           | 0.213%        |
| 17        | 9.551       | 1266          | 1269        | 1273         | rVB      | 583987         | 504499        | 23.89%          | 2.055%        |
| 18        | 9.610       | 1277          | 1279        | 1282         | rBV      | 56661          | 60551         | 2.87%           | 0.247%        |
| 19        | 9.698       | 1290          | 1294        | 1298         | rBV      | 173398         | 150701        | 7.14%           | 0.614%        |
| 20        | 9.751       | 1300          | 1303        | 1304         | rVV3     | 44113          | 40689         | 1.93%           | 0.166%        |
| 21        | 9.769       | 1304          | 1306        | 1311         | rVV2     | 58723          | 63182         | 2.99%           | 0.257%        |
| 22        | 9.839       | 1311          | 1318        | 1321         | rVV      | 1421093        | 1262636       | 59.79%          | 5.144%        |
| 23        | 9.869       | 1321          | 1323        | 1326         | rVV      | 186502         | 150329        | 7.12%           | 0.612%        |
| 24        | 9.945       | 1332          | 1336        | 1340         | rBV2     | 41402          | 56198         | 2.66%           | 0.229%        |
| 25        | 9.992       | 1340          | 1344        | 1346         | rBV3     | 22258          | 32092         | 1.52%           | 0.131%        |
| 26        | 10.039      | 1348          | 1352        | 1356         | rVB      | 130939         | 123429        | 5.85%           | 0.503%        |
| 27        | 10.080      | 1356          | 1359        | 1363         | rBV      | 56155          | 54446         | 2.58%           | 0.222%        |
| 28        | 10.151      | 1368          | 1371        | 1374         | rBV2     | 66395          | 74119         | 3.51%           | 0.302%        |
| 29        | 10.180      | 1374          | 1376        | 1379         | rVV      | 53739          | 40441         | 1.92%           | 0.165%        |
| 30        | 10.245      | 1382          | 1387        | 1388         | rBV3     | 51118          | 58199         | 2.76%           | 0.237%        |
| 31        | 10.263      | 1388          | 1390        | 1393         | rVV2     | 53903          | 53655         | 2.54%           | 0.219%        |
| 32        | 10.333      | 1397          | 1402        | 1404         | rVV5     | 29596          | 35258         | 1.67%           | 0.144%        |
| 33        | 10.380      | 1407          | 1410        | 1417         | rVB      | 217304         | 212324        | 10.05%          | 0.865%        |
| 34        | 10.451      | 1417          | 1422        | 1423         | rBV      | 40120          | 56031         | 2.65%           | 0.228%        |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF072920\  
 Data File : BF121108.D  
 Acq On : 29 Jul 2020 18:26  
 Operator : JU/CG  
 Sample : L3436-12 5X  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 12

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-BF071620.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 10.469 | 1423 | 1425 | 1427 | rVV3 | 37842   | 39672   | 1.88%  | 0.162% |
| 36 | 10.492 | 1427 | 1429 | 1432 | rVV2 | 66680   | 63743   | 3.02%  | 0.260% |
| 37 | 10.539 | 1434 | 1437 | 1440 | rVB2 | 64352   | 61235   | 2.90%  | 0.249% |
| 38 | 10.622 | 1446 | 1451 | 1455 | rBV  | 424808  | 383946  | 18.18% | 1.564% |
| 39 | 10.751 | 1469 | 1473 | 1477 | rVB2 | 108529  | 140325  | 6.65%  | 0.572% |
| 40 | 10.933 | 1499 | 1504 | 1506 | rBV3 | 80513   | 99464   | 4.71%  | 0.405% |
| 41 | 10.957 | 1506 | 1508 | 1511 | rVV2 | 65086   | 55215   | 2.61%  | 0.225% |
| 42 | 11.016 | 1515 | 1518 | 1520 | rVB  | 44180   | 40842   | 1.93%  | 0.166% |
| 43 | 11.063 | 1523 | 1526 | 1527 | rVV2 | 28174   | 33216   | 1.57%  | 0.135% |
| 44 | 11.080 | 1527 | 1529 | 1531 | rVV2 | 49773   | 38949   | 1.84%  | 0.159% |
| 45 | 11.127 | 1534 | 1537 | 1541 | rVB2 | 59185   | 61846   | 2.93%  | 0.252% |
| 46 | 11.186 | 1541 | 1547 | 1550 | rBV5 | 93117   | 137194  | 6.50%  | 0.559% |
| 47 | 11.216 | 1550 | 1552 | 1557 | rVB  | 133050  | 119952  | 5.68%  | 0.489% |
| 48 | 11.322 | 1566 | 1570 | 1572 | rBV  | 1330476 | 1148323 | 54.38% | 4.678% |
| 49 | 11.345 | 1572 | 1574 | 1577 | rVV  | 1234130 | 941937  | 44.61% | 3.837% |
| 50 | 11.392 | 1580 | 1582 | 1585 | rVV  | 336713  | 305258  | 14.46% | 1.244% |
| 51 | 11.433 | 1585 | 1589 | 1592 | rVV2 | 52564   | 60751   | 2.88%  | 0.247% |
| 52 | 11.551 | 1606 | 1609 | 1611 | rBV  | 95577   | 78963   | 3.74%  | 0.322% |
| 53 | 11.616 | 1617 | 1620 | 1623 | rBV  | 78557   | 60498   | 2.86%  | 0.246% |
| 54 | 11.651 | 1623 | 1626 | 1632 | rVB2 | 84377   | 84881   | 4.02%  | 0.346% |
| 55 | 11.733 | 1637 | 1640 | 1644 | rVB  | 51198   | 57599   | 2.73%  | 0.235% |
| 56 | 11.821 | 1652 | 1655 | 1657 | rVV  | 239040  | 197207  | 9.34%  | 0.803% |
| 57 | 11.851 | 1657 | 1660 | 1664 | rVB  | 326061  | 287361  | 13.61% | 1.171% |
| 58 | 11.898 | 1665 | 1668 | 1671 | rVV  | 129615  | 117040  | 5.54%  | 0.477% |
| 59 | 11.933 | 1671 | 1674 | 1676 | rVV  | 379951  | 379694  | 17.98% | 1.547% |
| 60 | 11.957 | 1676 | 1678 | 1682 | rVB  | 190786  | 157641  | 7.47%  | 0.642% |
| 61 | 12.021 | 1687 | 1689 | 1692 | rVV2 | 49912   | 46791   | 2.22%  | 0.191% |
| 62 | 12.116 | 1702 | 1705 | 1707 | rVV  | 152956  | 131865  | 6.24%  | 0.537% |
| 63 | 12.139 | 1707 | 1709 | 1713 | rVB2 | 74196   | 77144   | 3.65%  | 0.314% |
| 64 | 12.251 | 1725 | 1728 | 1729 | rBV  | 35437   | 36767   | 1.74%  | 0.150% |
| 65 | 12.269 | 1729 | 1731 | 1733 | rVV  | 68884   | 54237   | 2.57%  | 0.221% |
| 66 | 12.298 | 1733 | 1736 | 1738 | rVV  | 88610   | 80843   | 3.83%  | 0.329% |
| 67 | 12.321 | 1738 | 1740 | 1742 | rVB2 | 65182   | 52317   | 2.48%  | 0.213% |
| 68 | 12.374 | 1745 | 1749 | 1751 | rBV  | 177562  | 183675  | 8.70%  | 0.748% |
| 69 | 12.410 | 1751 | 1755 | 1760 | rVB  | 140135  | 221688  | 10.50% | 0.903% |
| 70 | 12.457 | 1760 | 1763 | 1767 | rBV2 | 101244  | 128226  | 6.07%  | 0.522% |
| 71 | 12.533 | 1772 | 1776 | 1779 | rVV  | 1543490 | 1237552 | 58.60% | 5.041% |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF072920\  
 Data File : BF121108.D  
 Acq On : 29 Jul 2020 18:26  
 Operator : JU/CG  
 Sample : L3436-12 5X  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 12

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON Filtering: 5  
 Sampling : 1 Min Area: 3 % of largest Peak  
 Start Thrs: 0.2 Max Peaks: 100  
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF071620.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|     |        |      |      |      |      |         |         |         |        |
|-----|--------|------|------|------|------|---------|---------|---------|--------|
| 72  | 12.574 | 1781 | 1783 | 1785 | rVV  | 47665   | 48415   | 2.29%   | 0.197% |
| 73  | 12.627 | 1789 | 1792 | 1795 | rBV  | 82302   | 73070   | 3.46%   | 0.298% |
| 74  | 12.686 | 1799 | 1802 | 1808 | rVV4 | 67323   | 103597  | 4.91%   | 0.422% |
| 75  | 12.763 | 1809 | 1815 | 1818 | rVV  | 1393116 | 1462460 | 69.26%  | 5.958% |
| 76  | 12.816 | 1821 | 1824 | 1828 | rVV2 | 68836   | 100006  | 4.74%   | 0.407% |
| 77  | 12.880 | 1832 | 1835 | 1836 | rVV2 | 95476   | 89832   | 4.25%   | 0.366% |
| 78  | 12.904 | 1836 | 1839 | 1847 | rVB  | 623295  | 605087  | 28.65%  | 2.465% |
| 79  | 12.974 | 1848 | 1851 | 1855 | rVV2 | 98894   | 163332  | 7.73%   | 0.665% |
| 80  | 13.033 | 1859 | 1861 | 1863 | rVV2 | 35748   | 37044   | 1.75%   | 0.151% |
| 81  | 13.063 | 1864 | 1866 | 1868 | rVV3 | 99909   | 124687  | 5.90%   | 0.508% |
| 82  | 13.086 | 1868 | 1870 | 1873 | rVB  | 273609  | 247533  | 11.72%  | 1.008% |
| 83  | 13.157 | 1879 | 1882 | 1884 | rVB  | 182985  | 164505  | 7.79%   | 0.670% |
| 84  | 13.192 | 1884 | 1888 | 1891 | rBV2 | 192845  | 206404  | 9.77%   | 0.841% |
| 85  | 13.286 | 1901 | 1904 | 1906 | rVB  | 97121   | 81199   | 3.85%   | 0.331% |
| 86  | 13.316 | 1906 | 1909 | 1912 | rBV  | 124138  | 113925  | 5.39%   | 0.464% |
| 87  | 13.380 | 1918 | 1920 | 1926 | rBV4 | 56916   | 63495   | 3.01%   | 0.259% |
| 88  | 13.592 | 1954 | 1956 | 1962 | rVB2 | 77277   | 82859   | 3.92%   | 0.338% |
| 89  | 13.733 | 1978 | 1980 | 1982 | rBV  | 85680   | 58287   | 2.76%   | 0.237% |
| 90  | 13.757 | 1982 | 1984 | 1988 | rVV2 | 66586   | 79566   | 3.77%   | 0.324% |
| 91  | 13.804 | 1990 | 1992 | 1996 | rVB2 | 123949  | 121430  | 5.75%   | 0.495% |
| 92  | 13.957 | 2012 | 2018 | 2021 | rBV3 | 1335235 | 2111691 | 100.00% | 8.603% |
| 93  | 13.980 | 2021 | 2022 | 2028 | rVB  | 599598  | 517212  | 24.49%  | 2.107% |
| 94  | 14.063 | 2034 | 2036 | 2038 | rBV  | 98453   | 70159   | 3.32%   | 0.286% |
| 95  | 14.345 | 2082 | 2084 | 2087 | rVB  | 176796  | 145223  | 6.88%   | 0.592% |
| 96  | 14.374 | 2087 | 2089 | 2093 | rBV  | 99983   | 101459  | 4.80%   | 0.413% |
| 97  | 14.986 | 2190 | 2193 | 2196 | rBV  | 490446  | 691687  | 32.76%  | 2.818% |
| 98  | 15.280 | 2241 | 2243 | 2249 | rVB  | 306421  | 374261  | 17.72%  | 1.525% |
| 99  | 15.345 | 2250 | 2254 | 2260 | rBV  | 461785  | 602982  | 28.55%  | 2.456% |
| 100 | 15.410 | 2260 | 2265 | 2268 | rBV  | 833448  | 1081413 | 51.21%  | 4.405% |

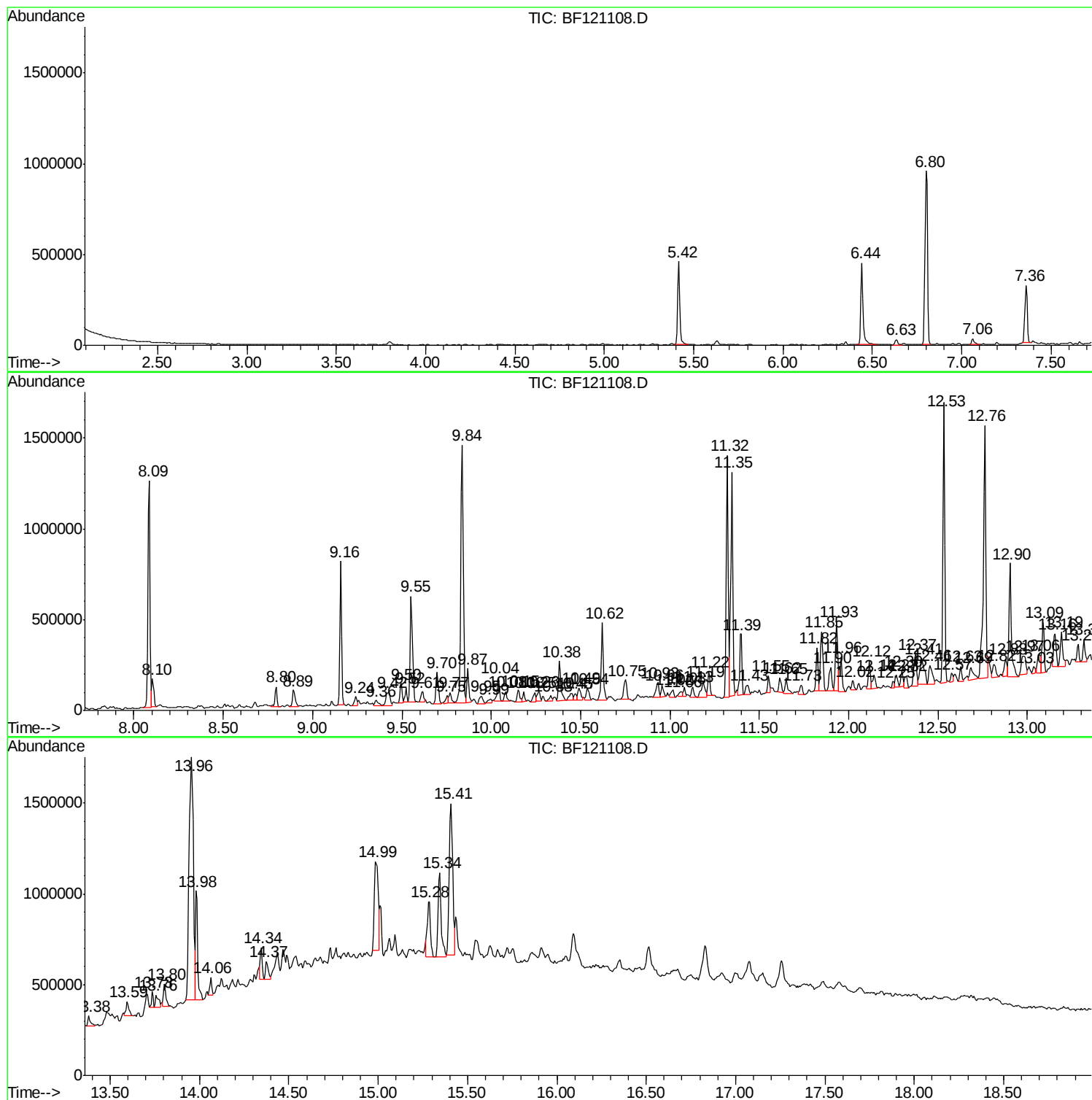
Sum of corrected areas: 24547345

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\  
Data File : BF121108.D  
Acq On : 29 Jul 2020 18:26  
Operator : JU/CG  
Sample : L3436-12 5X  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
12

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.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\BF072920\  
Data File : BF121108.D  
Acq On : 29 Jul 2020 18:26  
Operator : JU/CG  
Sample : L3436-12 5X  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
12

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

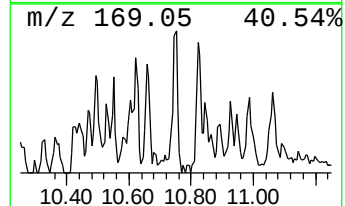
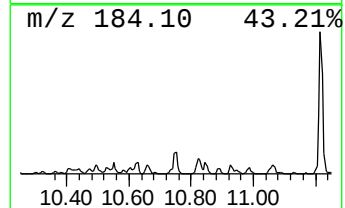
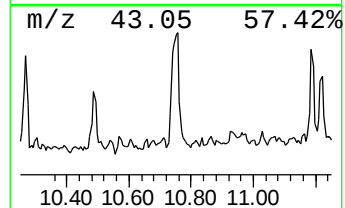
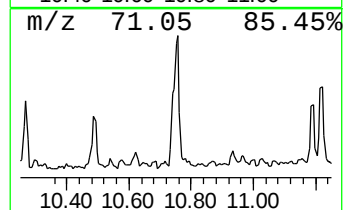
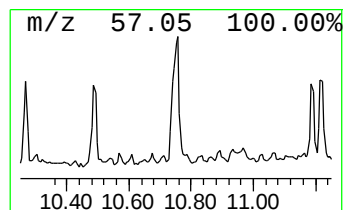
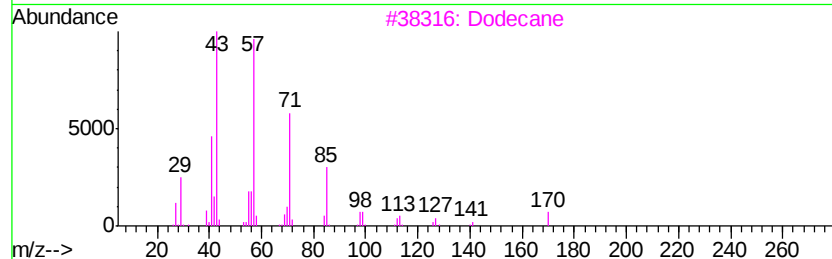
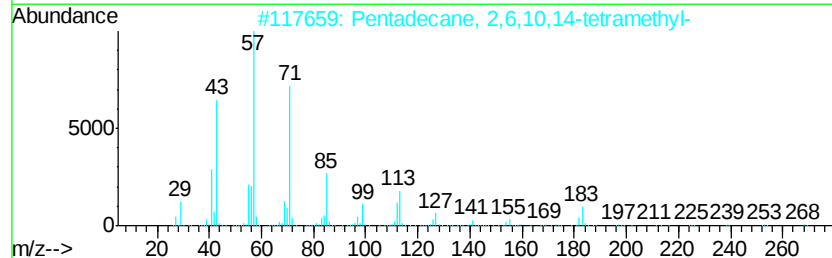
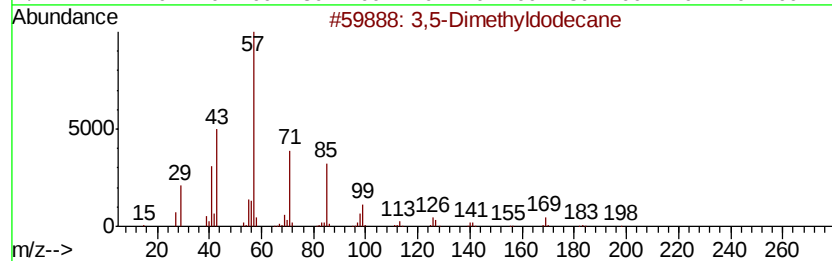
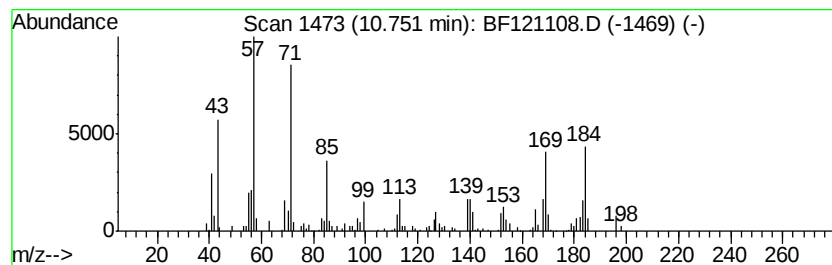
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 3,5-Dimethyldodecane Concentration Rank 8

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 10.75 | 2.44 ng | 140325 | Phenanthrene-d10 | 11.32 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 3,5-Dimethyldodecane                | 198 | C14H30  | 107770-99-0 | 55   |
| 2    |    | Pentadecane, 2,6,10,14-tetramethyl- | 268 | C19H40  | 001921-70-6 | 46   |
| 3    |    | Dodecane                            | 170 | C12H26  | 000112-40-3 | 38   |
| 4    |    | Hexadecane, 2,6,10,14-tetramethyl-  | 282 | C20H42  | 000638-36-8 | 38   |
| 5    |    | Hexadecane, 2,6,10-trimethyl-       | 268 | C19H40  | 055000-52-7 | 38   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\  
Data File : BF121108.D  
Acq On : 29 Jul 2020 18:26  
Operator : JU/CG  
Sample : L3436-12 5X  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

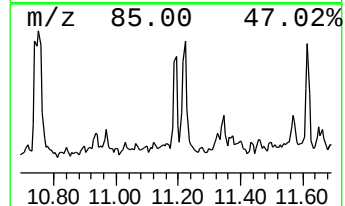
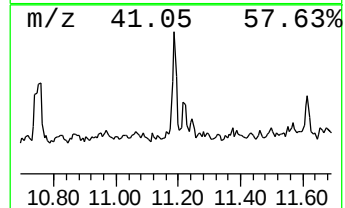
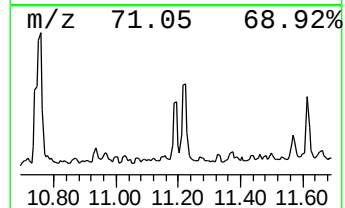
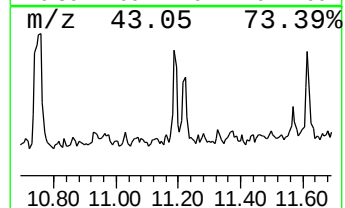
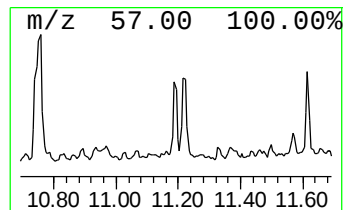
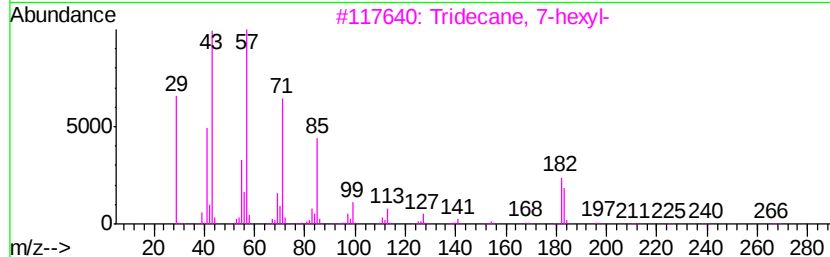
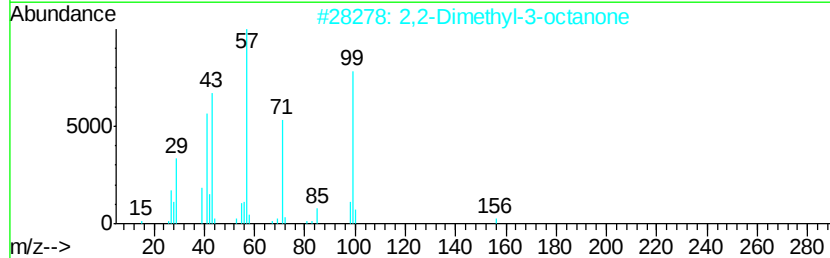
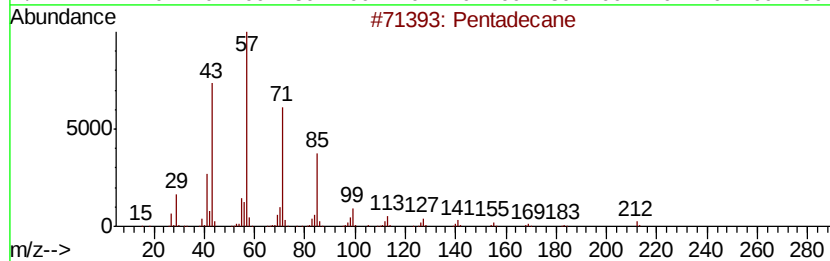
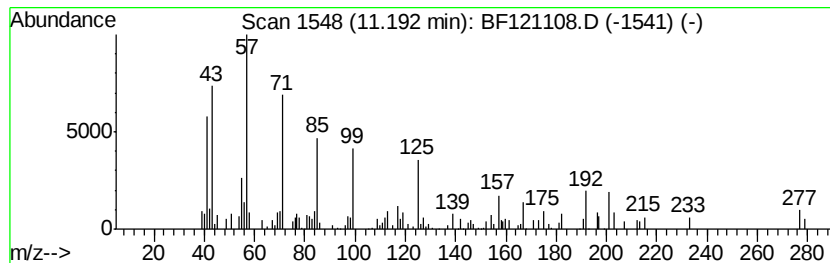
Instrument :  
BNA\_F  
ClientSampleId :  
12

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 unknown11.19 Concentration Rank 9

| R.T.      | EstConc                 | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------|--------|------------------|-------------|------|
| 11.19     | 2.39 ng                 | 137194 | Phenanthrene-d10 | 11.32       |      |
| Hit# of 5 | Tentative ID            | MW     | MolForm          | CAS#        | Qual |
| 1         | Pentadecane             | 212    | C15H32           | 000629-62-9 | 45   |
| 2         | 2,2-Dimethyl-3-octanone | 156    | C10H20O          | 005340-64-7 | 38   |
| 3         | Tridecane, 7-hexyl-     | 268    | C19H40           | 007225-66-3 | 30   |
| 4         | Hexadecane              | 226    | C16H34           | 000544-76-3 | 18   |
| 5         | Nonadecane              | 268    | C19H40           | 000629-92-5 | 18   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\  
Data File : BF121108.D  
Acq On : 29 Jul 2020 18:26  
Operator : JU/CG  
Sample : L3436-12 5X  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

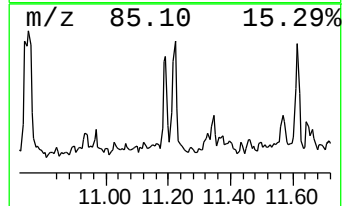
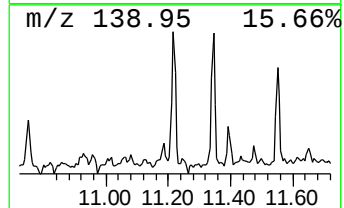
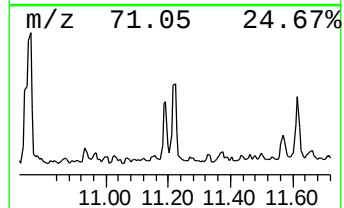
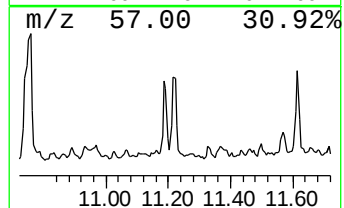
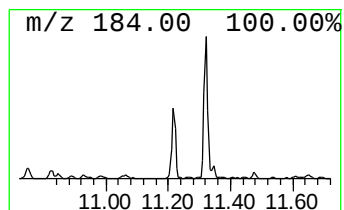
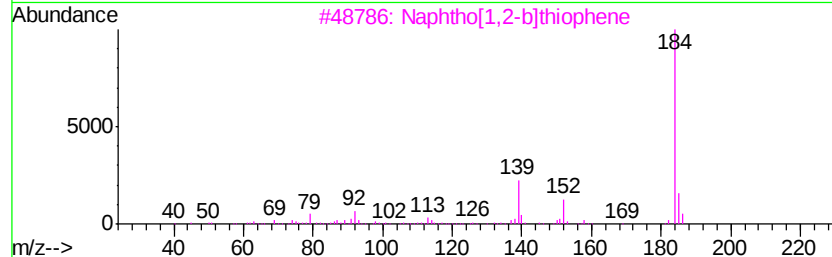
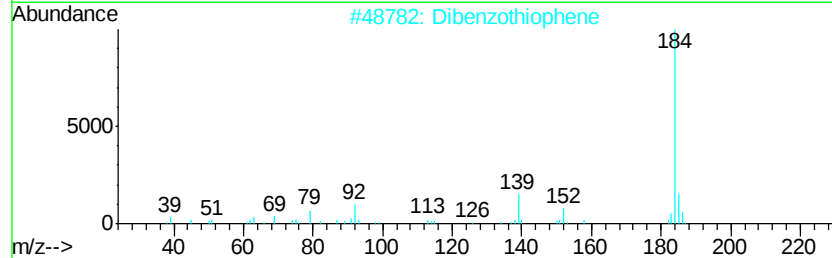
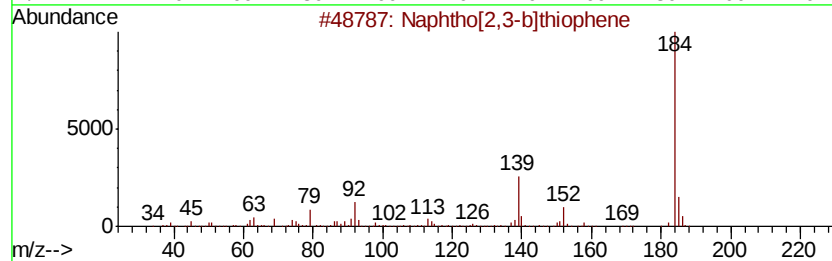
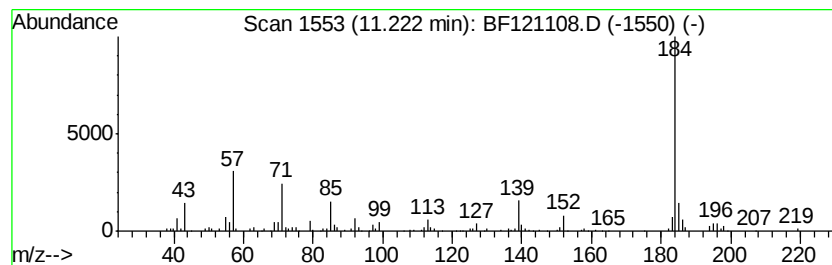
Instrument :  
BNA\_F  
ClientSampleId :  
12

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 Naphtho[2,3-b]thiophene Concentration Rank 13

| R.T.  | EstConc | Area   | Relative to ISTD        |     | R.T.    |             |      |
|-------|---------|--------|-------------------------|-----|---------|-------------|------|
| 11.22 | 2.09 ng | 119952 | Phenanthrene-d10        |     | 11.32   |             |      |
| Hit#  | of      | 5      | Tentative ID            | MW  | MolForm | CAS#        | Qual |
| 1     |         |        | Naphtho[2,3-b]thiophene | 184 | C12H8S  | 000268-77-9 | 93   |
| 2     |         |        | Dibenzothiophene        | 184 | C12H8S  | 000132-65-0 | 93   |
| 3     |         |        | Naphtho[1,2-b]thiophene | 184 | C12H8S  | 000234-41-3 | 90   |
| 4     |         |        | Azuleno(2,1-b)thiophene | 184 | C12H8S  | 000248-13-5 | 90   |
| 5     |         |        | Naphtho[2,1-b]thiophene | 184 | C12H8S  | 000233-02-3 | 86   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\  
Data File : BF121108.D  
Acq On : 29 Jul 2020 18:26  
Operator : JU/CG  
Sample : L3436-12 5X  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
12

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

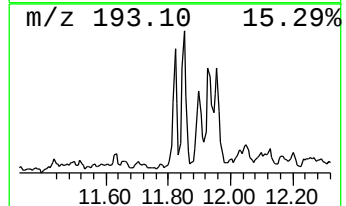
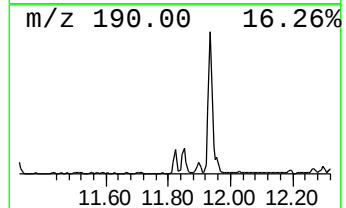
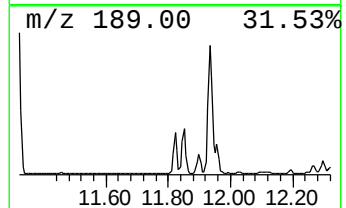
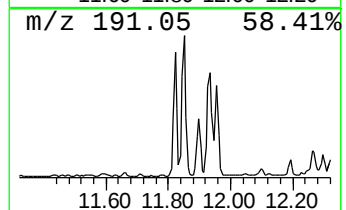
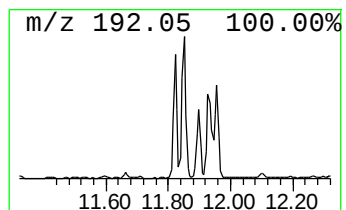
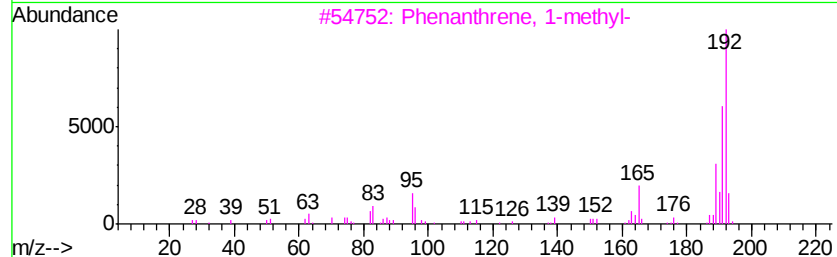
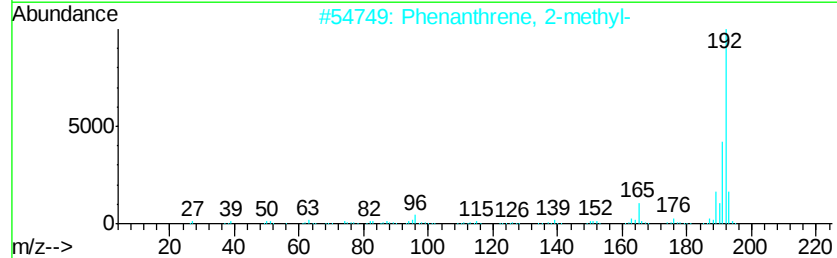
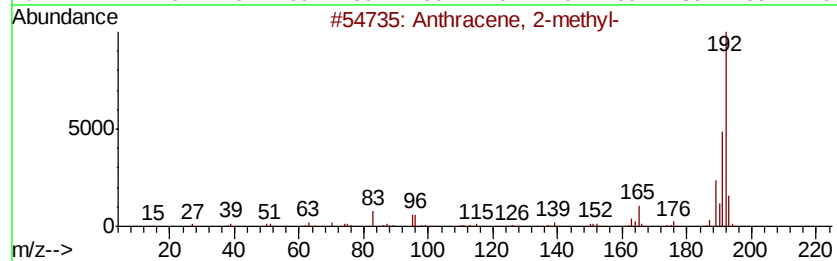
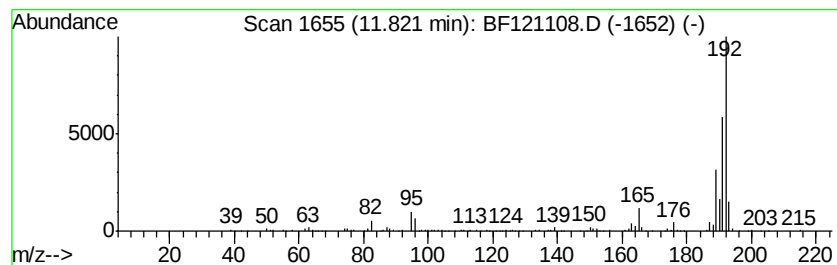
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Anthracene, 2-methyl- Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.82 | 3.43 ng | 197207 | Phenanthrene-d10 | 11.32 |

| Hit# | of | Tentative ID                           | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Anthracene, 2-methyl-                  | 192 | C15H12  | 000613-12-7 | 96   |
| 2    |    | Phenanthrene, 2-methyl-                | 192 | C15H12  | 002531-84-2 | 95   |
| 3    |    | Phenanthrene, 1-methyl-                | 192 | C15H12  | 000832-69-9 | 95   |
| 4    |    | 1H-Cyclopropa[1,1]phenanthrene, 1a,... | 192 | C15H12  | 000949-41-7 | 93   |
| 5    |    | Anthracene, 9-methyl-                  | 192 | C15H12  | 000779-02-2 | 93   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\  
Data File : BF121108.D  
Acq On : 29 Jul 2020 18:26  
Operator : JU/CG  
Sample : L3436-12 5X  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

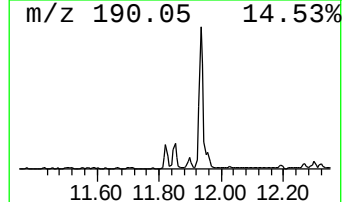
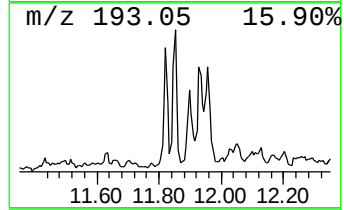
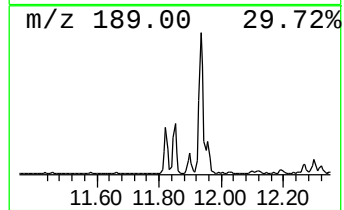
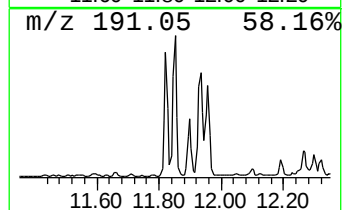
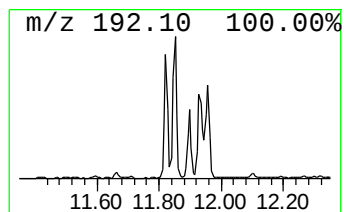
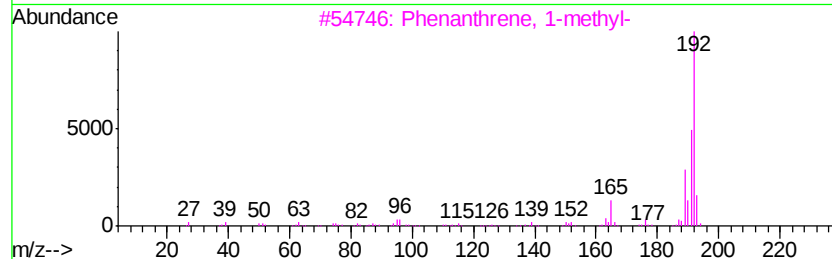
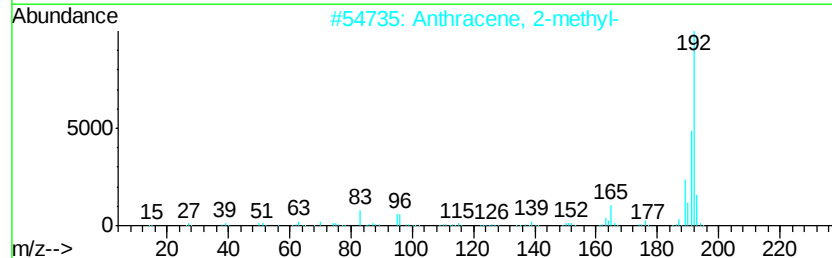
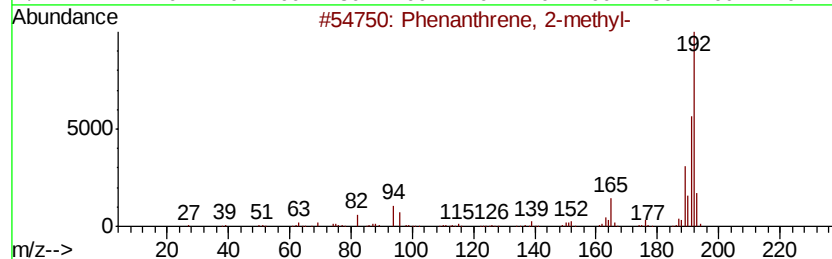
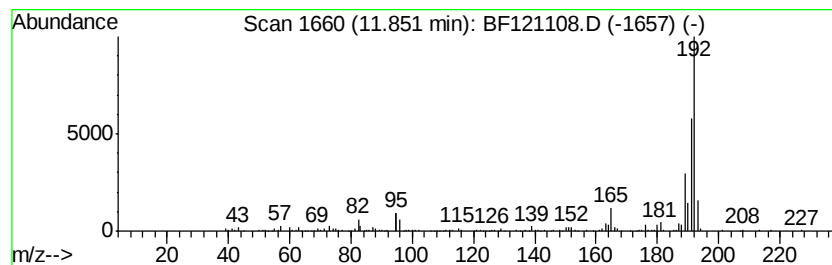
Instrument :  
BNA\_F  
ClientSampleId :  
12

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.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, 2-methyl- Concentration Rank 3

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 11.85     | 5.00 ng                             | 287361 | Phenanthrene-d10 | 11.32       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | Phenanthrene, 2-methyl-             | 192    | C15H12           | 002531-84-2 | 98   |
| 2         | Anthracene, 2-methyl-               | 192    | C15H12           | 000613-12-7 | 97   |
| 3         | Phenanthrene, 1-methyl-             | 192    | C15H12           | 000832-69-9 | 95   |
| 4         | 1H-Cyclopropa[1]phenanthrene,1a,... | 192    | C15H12           | 000949-41-7 | 92   |
| 5         | Anthracene, 9-methyl-               | 192    | C15H12           | 000779-02-2 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\  
Data File : BF121108.D  
Acq On : 29 Jul 2020 18:26  
Operator : JU/CG  
Sample : L3436-12 5X  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
12

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

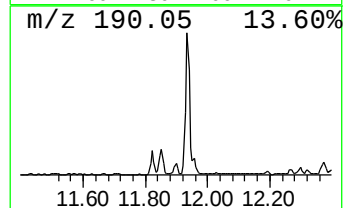
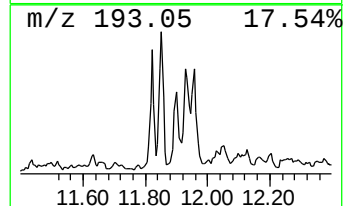
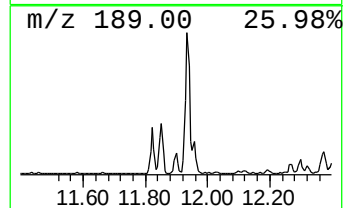
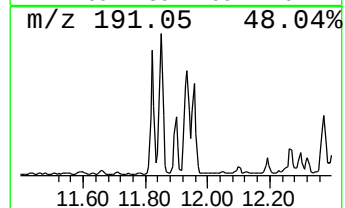
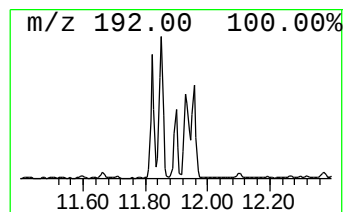
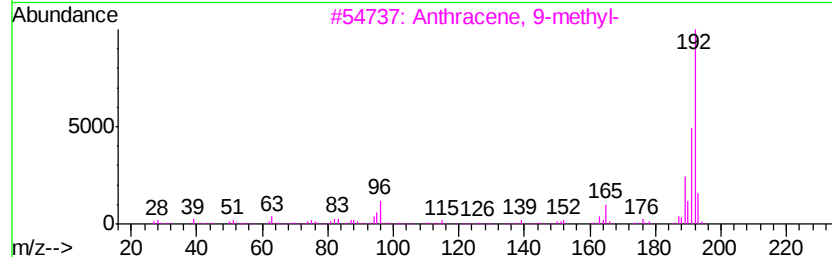
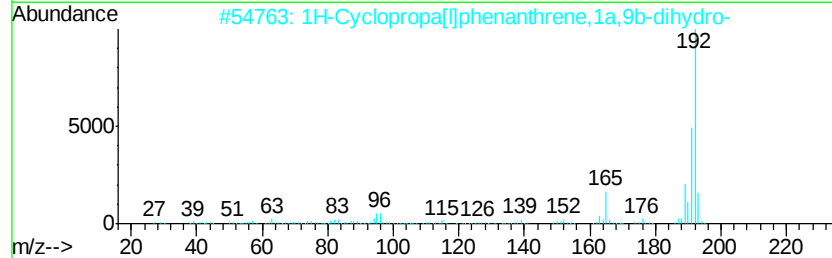
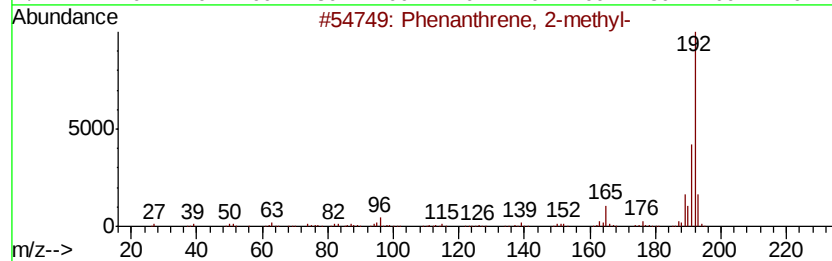
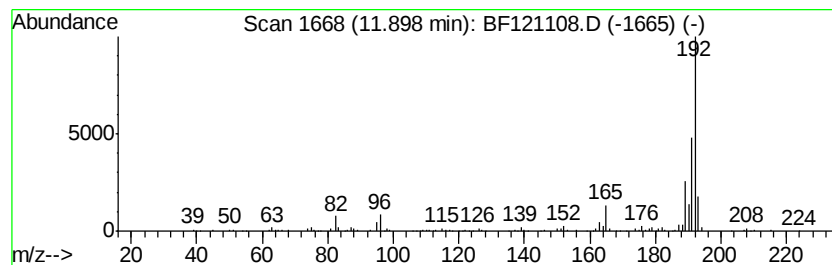
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 14

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.90 | 2.04 ng | 117040 | Phenanthrene-d10 | 11.32 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 2-methyl-             | 192 | C15H12  | 002531-84-2 | 96   |
| 2    |    |   | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12  | 000949-41-7 | 96   |
| 3    |    |   | Anthracene, 9-methyl-               | 192 | C15H12  | 000779-02-2 | 96   |
| 4    |    |   | Phenanthrene, 3-methyl-             | 192 | C15H12  | 000832-71-3 | 94   |
| 5    |    |   | 1H-Indene, 2-phenyl-                | 192 | C15H12  | 004505-48-0 | 93   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\  
Data File : BF121108.D  
Acq On : 29 Jul 2020 18:26  
Operator : JU/CG  
Sample : L3436-12 5X  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

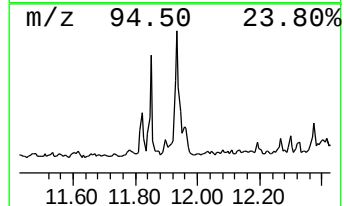
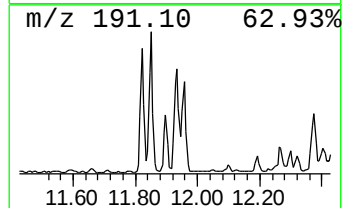
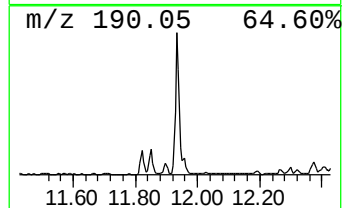
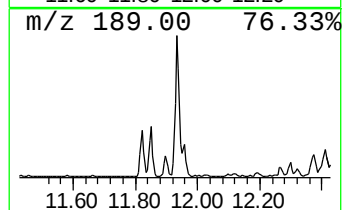
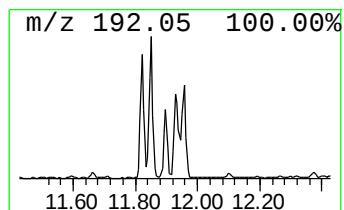
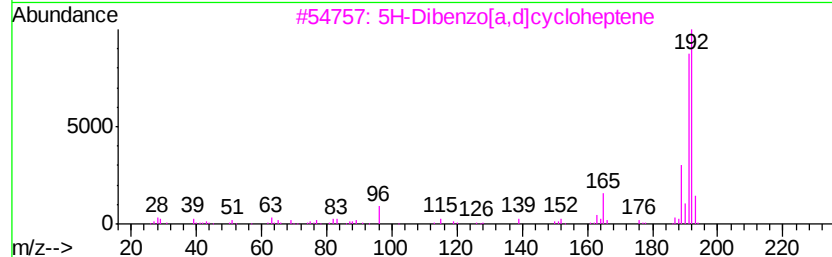
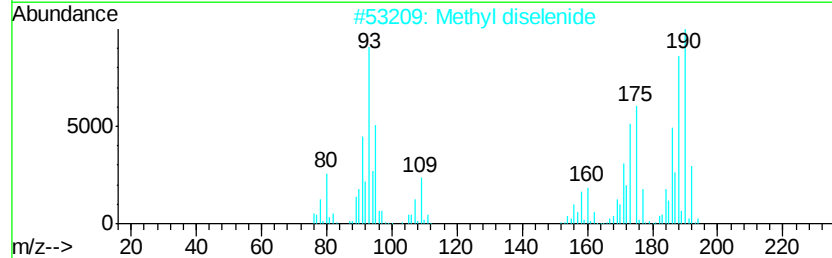
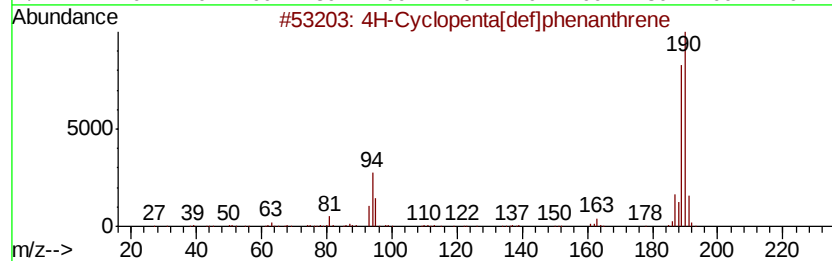
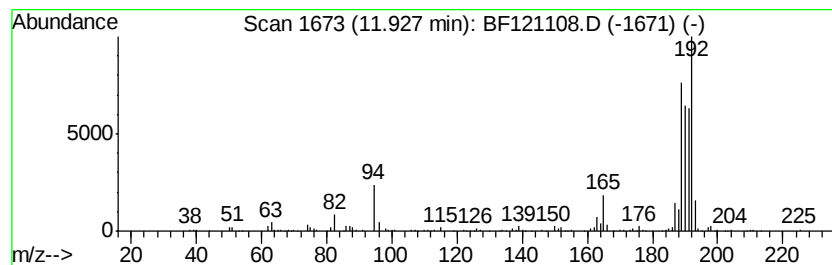
Instrument :  
BNA\_F  
ClientSampleId :  
12

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

| R.T.      | EstConc                        | Area   | Relative to ISTD | R.T.        |      |
|-----------|--------------------------------|--------|------------------|-------------|------|
| 11.93     | 6.61 ng                        | 379694 | Phenanthrene-d10 | 11.32       |      |
| Hit# of 5 | Tentative ID                   | MW     | MolForm          | CAS#        | Qual |
| 1         | 4H-Cyclopenta[def]phenanthrene | 190    | C15H10           | 000203-64-5 | 70   |
| 2         | Methyl diselenide              | 190    | C2H6Se2          | 007101-31-7 | 38   |
| 3         | 5H-Dibenzo[a,d]cycloheptene    | 192    | C15H12           | 000256-81-5 | 25   |
| 4         | Phenanthrene, 2-methyl-        | 192    | C15H12           | 002531-84-2 | 20   |
| 5         | Anthracene, 2-methyl-          | 192    | C15H12           | 000613-12-7 | 18   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\  
Data File : BF121108.D  
Acq On : 29 Jul 2020 18:26  
Operator : JU/CG  
Sample : L3436-12 5X  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
12

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

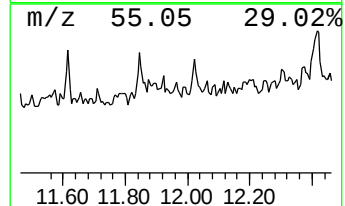
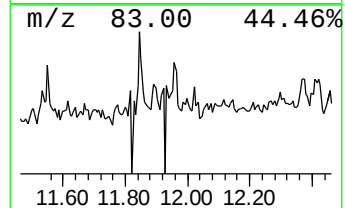
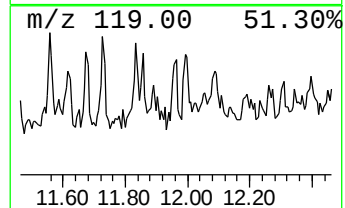
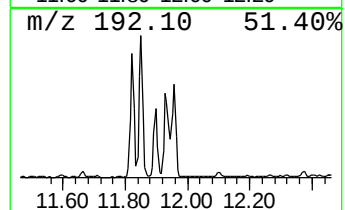
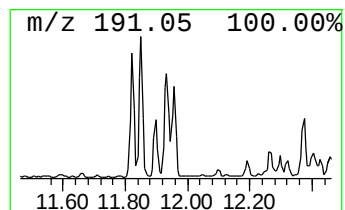
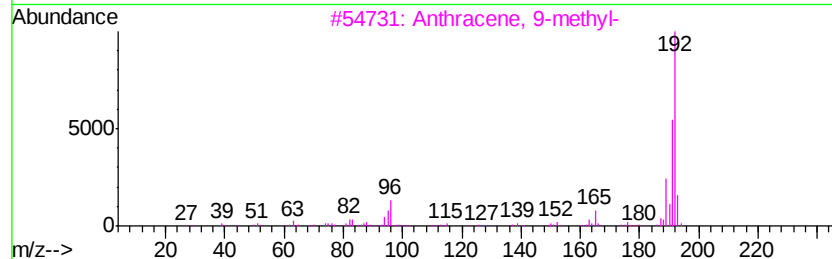
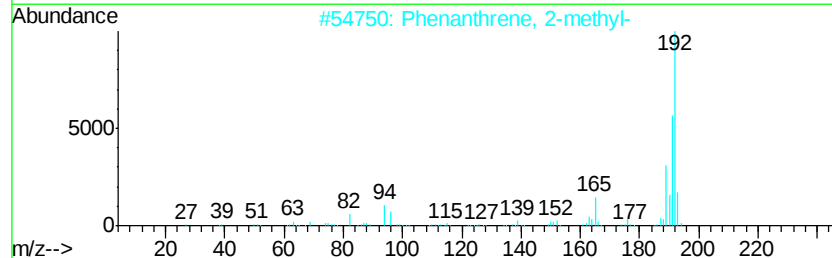
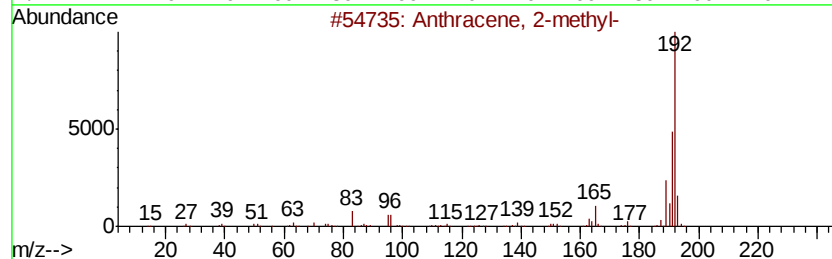
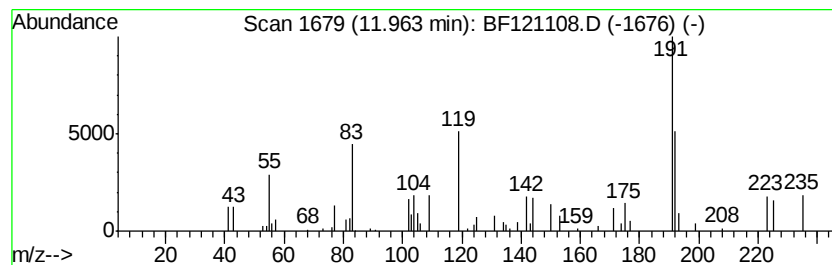
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Anthracene, 9-methyl- Concentration Rank 7

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.96 | 2.75 ng | 157641 | Phenanthrene-d10 | 11.32 |

| Hit# of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|---------|---|-------------------------|-----|---------|-------------|------|
| 1       |   | Anthracene, 2-methyl-   | 192 | C15H12  | 000613-12-7 | 94   |
| 2       |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 91   |
| 3       |   | Anthracene, 9-methyl-   | 192 | C15H12  | 000779-02-2 | 91   |
| 4       |   | Anthracene, 1-methyl-   | 192 | C15H12  | 000610-48-0 | 91   |
| 5       |   | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\  
 Data File : BF121108.D  
 Acq On : 29 Jul 2020 18:26  
 Operator : JU/CG  
 Sample : L3436-12 5X  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 12

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

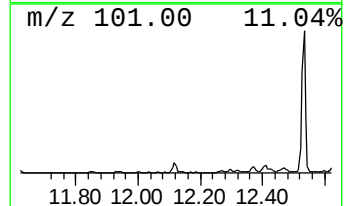
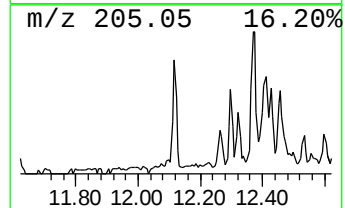
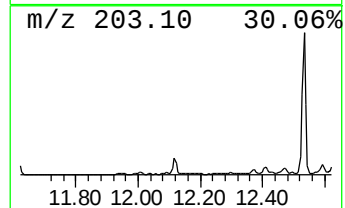
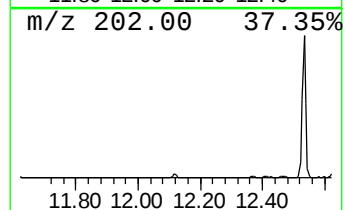
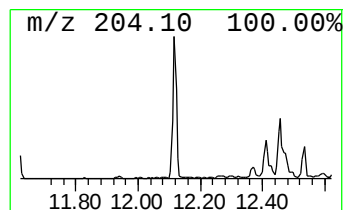
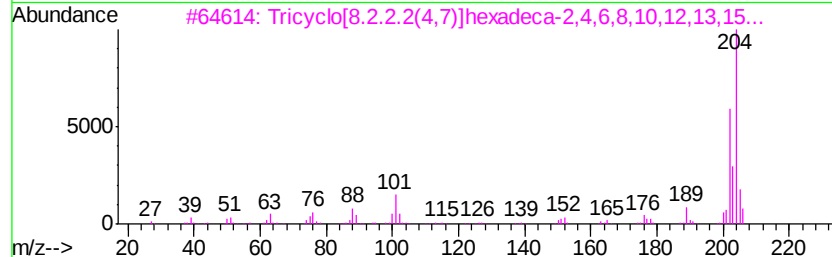
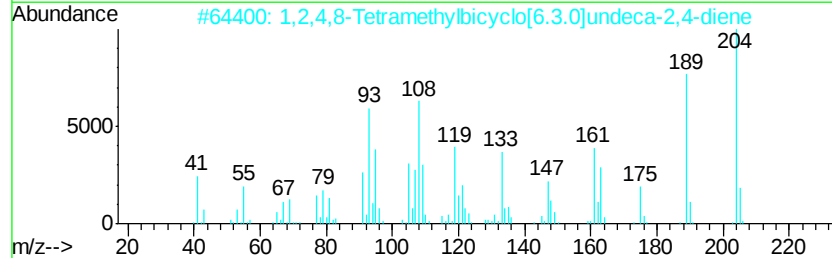
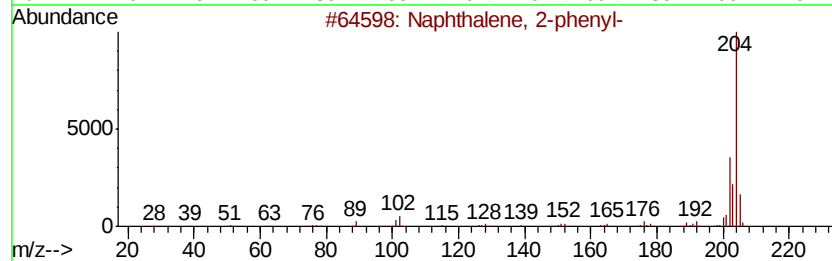
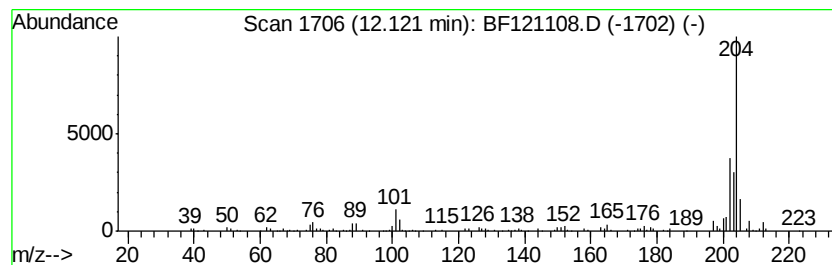
TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
 Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 11

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.12 | 2.30 ng | 131865 | Phenanthrene-d10 | 11.32 |

| Hit# | of | Tentative ID                                               | MW  | MolForm   | CAS#        | Qual |
|------|----|------------------------------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | Naphthalene, 2-phenyl-                                     | 204 | C16H12    | 000612-94-2 | 89   |
| 2    |    | 1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene          | 204 | C15H24    | 137235-51-9 | 83   |
| 3    |    | Tricyclo[8.2.2.2(4,7)]hexadeca-2,4,6,8,10,12,13,15-octaene | 204 | C16H12    | 006572-60-7 | 64   |
| 4    |    | 5,16[1',2'1:8,13[1'',2'']-Dibenz[1,2-b:4,5-b']diphenyl     | 408 | C32H24    | 005672-97-9 | 59   |
| 5    |    | 9,10-Bis(bromomethyl)anthracene                            | 362 | C16H12Br2 | 034373-96-1 | 58   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\  
Data File : BF121108.D  
Acq On : 29 Jul 2020 18:26  
Operator : JU/CG  
Sample : L3436-12 5X  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
12

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

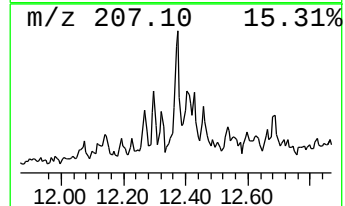
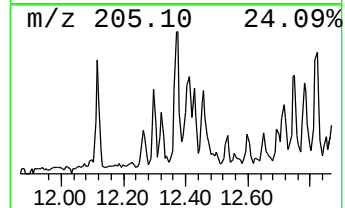
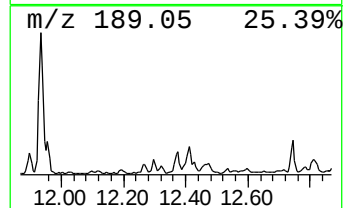
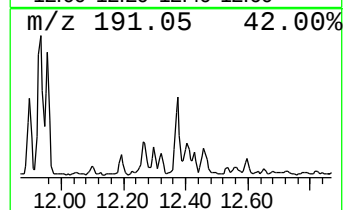
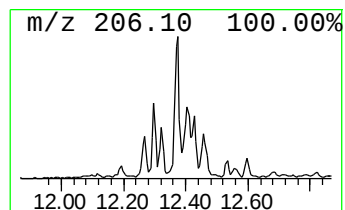
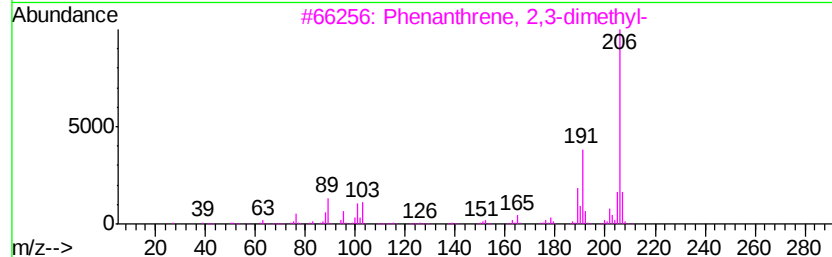
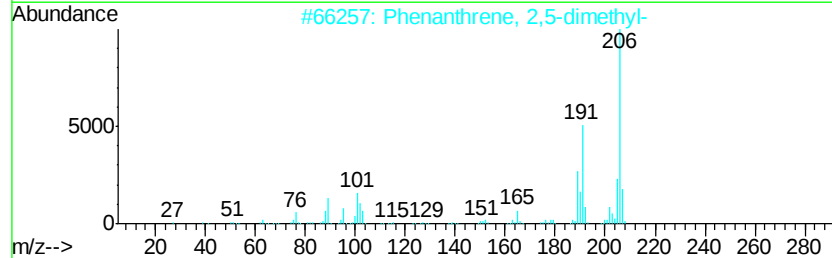
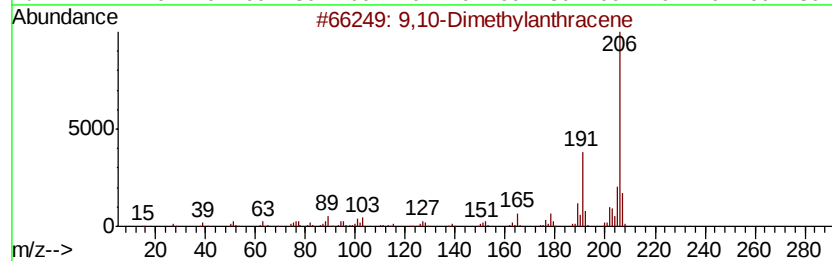
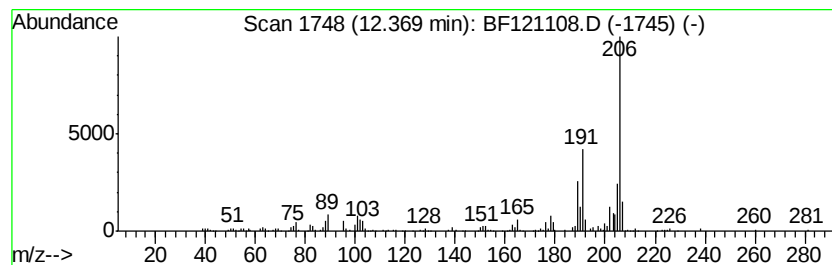
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 9,10-Dimethylantracene Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.37 | 3.20 ng | 183675 | Phenanthrene-d10 | 11.32 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | 9,10-Dimethylantracene      | 206 | C16H14  | 000781-43-1 | 93   |
| 2    |    | Phenanthrene, 2,5-dimethyl- | 206 | C16H14  | 003674-66-6 | 93   |
| 3    |    | Phenanthrene, 2,3-dimethyl- | 206 | C16H14  | 003674-65-5 | 87   |
| 4    |    | Anthracene, 1,4-dimethyl-   | 206 | C16H14  | 000781-92-0 | 86   |
| 5    |    | di-p-Tolylacetylene         | 206 | C16H14  | 002789-88-0 | 83   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\  
Data File : BF121108.D  
Acq On : 29 Jul 2020 18:26  
Operator : JU/CG  
Sample : L3436-12 5X  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
12

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

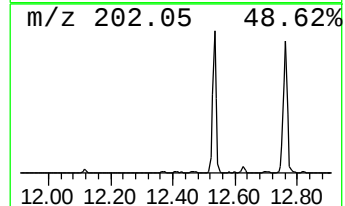
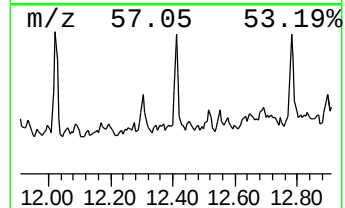
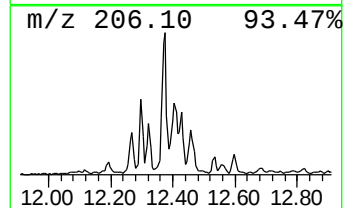
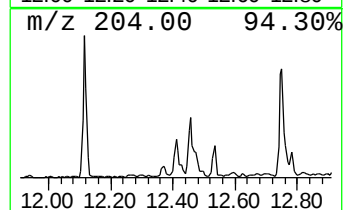
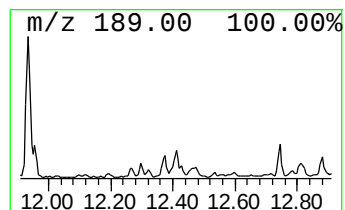
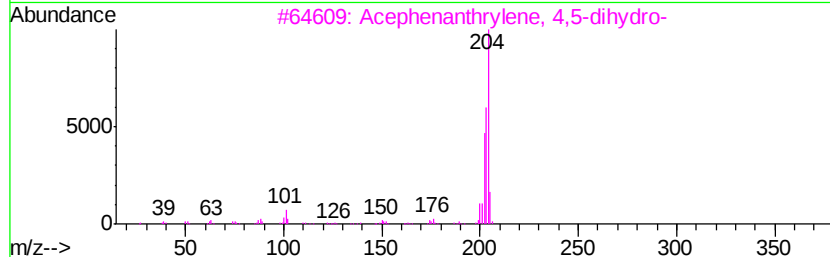
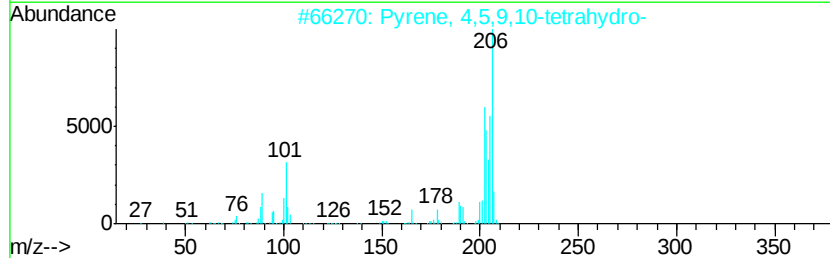
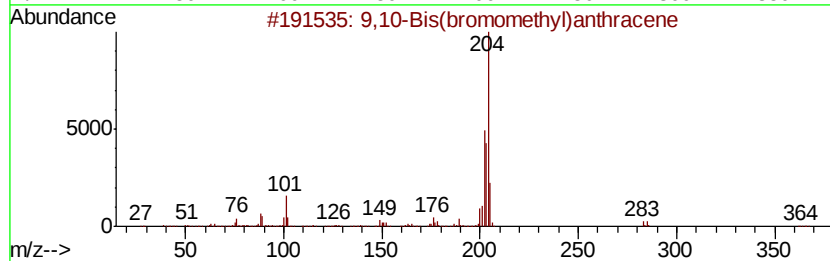
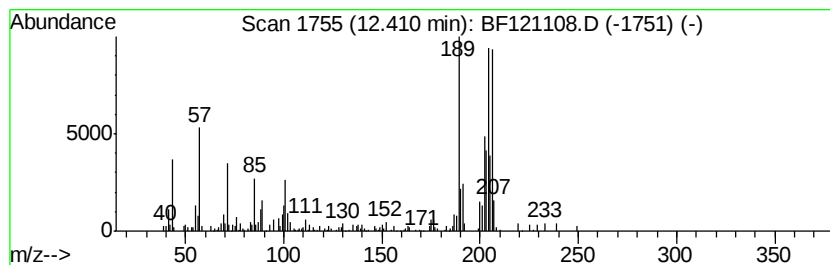
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 11 unknown12.41 Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.41 | 3.86 ng | 221688 | Phenanthrene-d10 | 11.32 |

| Hit# | of | 5 | Tentative ID                    | MW  | MolForm   | CAS#        | Qual |
|------|----|---|---------------------------------|-----|-----------|-------------|------|
| 1    |    |   | 9,10-Bis(bromomethyl)anthracene | 362 | C16H12Br2 | 034373-96-1 | 38   |
| 2    |    |   | Pyrene, 4,5,9,10-tetrahydro-    | 206 | C16H14    | 000781-17-9 | 38   |
| 3    |    |   | Acephenanthrylene, 4,5-dihydro- | 204 | C16H12    | 006232-48-0 | 38   |
| 4    |    |   | Phenanthrene, 2,5-dimethyl-     | 206 | C16H14    | 003674-66-6 | 25   |
| 5    |    |   | 1,4-Diphenyl-1,3-butadiene      | 206 | C16H14    | 000886-65-7 | 25   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\  
Data File : BF121108.D  
Acq On : 29 Jul 2020 18:26  
Operator : JU/CG  
Sample : L3436-12 5X  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
12

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

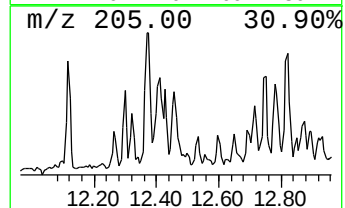
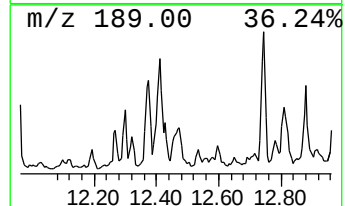
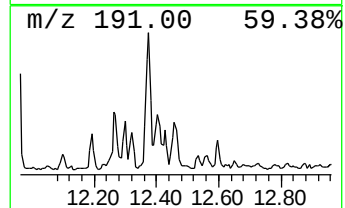
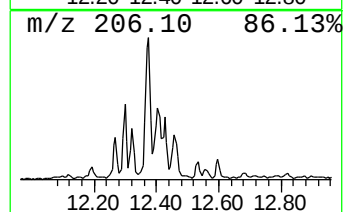
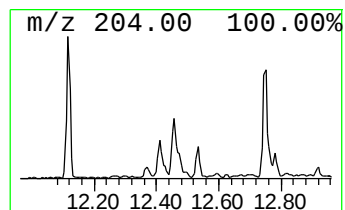
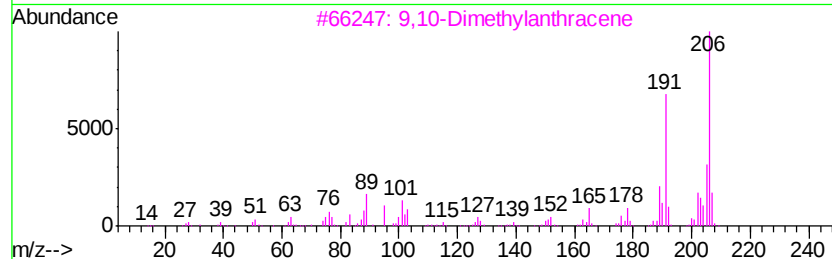
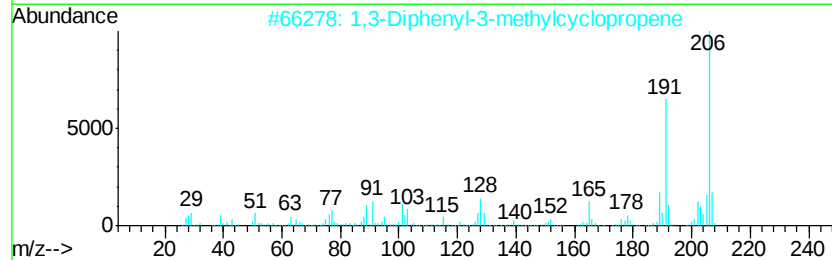
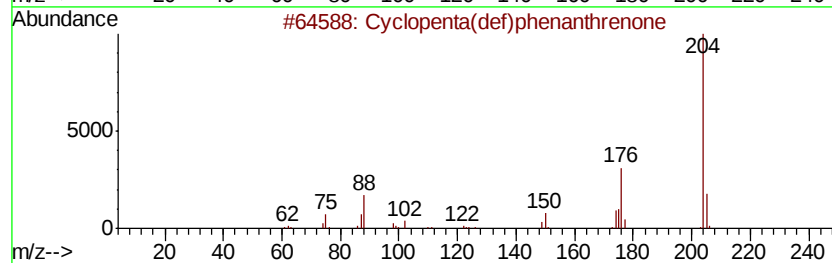
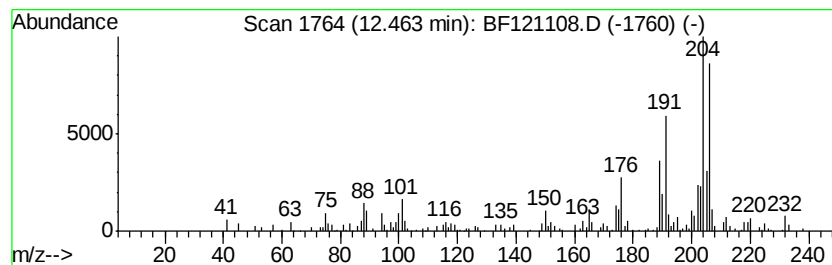
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 12

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.46 | 2.23 ng | 128226 | Phenanthrene-d10 | 11.32 |

| Hit# | of | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclopenta(def)phenanthrenone     | 204 | C15H8O  | 005737-13-3 | 89   |
| 2    |    | 1,3-Diphenyl-3-methylcyclopropene | 206 | C16H14  | 086544-79-8 | 47   |
| 3    |    | 9,10-Dimethylanthracene           | 206 | C16H14  | 000781-43-1 | 42   |
| 4    |    | Phenanthrene, 2,3-dimethyl-       | 206 | C16H14  | 003674-65-5 | 42   |
| 5    |    | Phenanthrene, 2,5-dimethyl-       | 206 | C16H14  | 003674-66-6 | 42   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\  
Data File : BF121108.D  
Acq On : 29 Jul 2020 18:26  
Operator : JU/CG  
Sample : L3436-12 5X  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
12

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

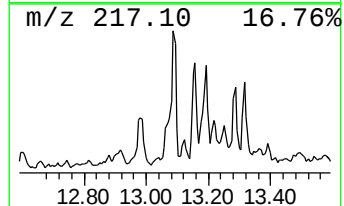
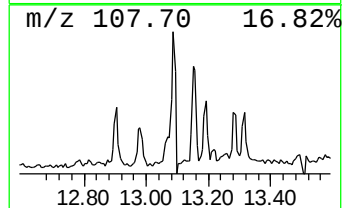
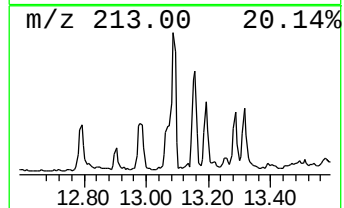
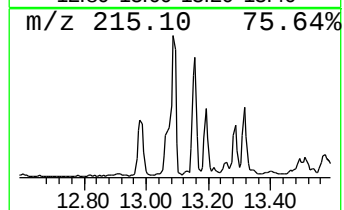
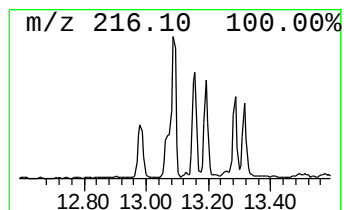
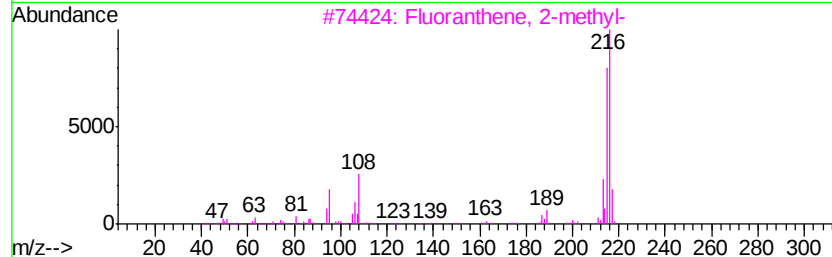
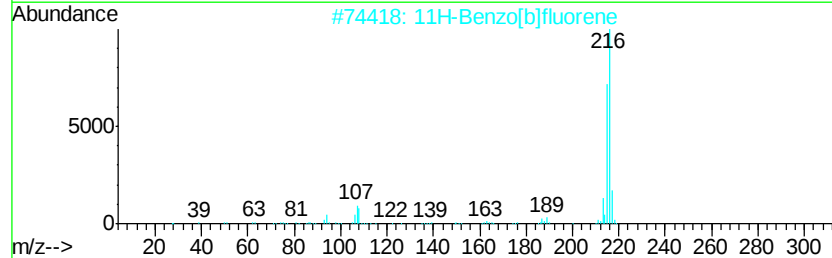
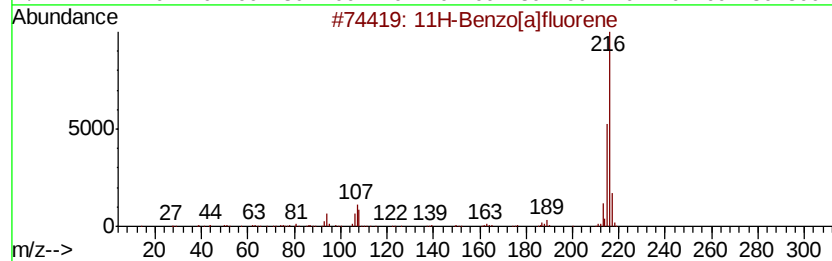
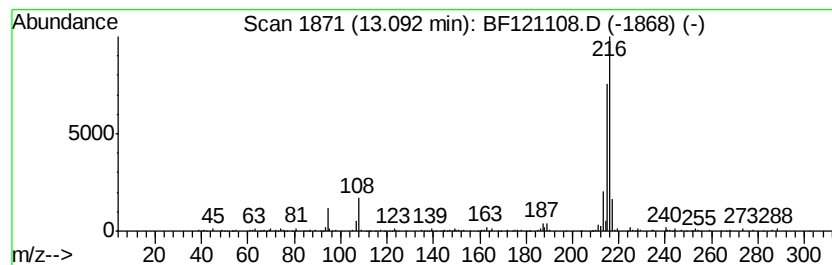
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 13 11H-Benzo[a]fluorene Concentration Rank 10

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.09 | 2.34 ng | 247533 | Chrysene-d12     | 13.96 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | 11H-Benzo[a]fluorene    | 216 | C17H12  | 000238-84-6 | 94   |
| 2    |    | 11H-Benzo[b]fluorene    | 216 | C17H12  | 000243-17-4 | 93   |
| 3    |    | Fluoranthene, 2-methyl- | 216 | C17H12  | 033543-31-6 | 81   |
| 4    |    | Pyrene, 2-methyl-       | 216 | C17H12  | 003442-78-2 | 76   |
| 5    |    | Pyrene, 1-methyl-       | 216 | C17H12  | 002381-21-7 | 74   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\  
Data File : BF121108.D  
Acq On : 29 Jul 2020 18:26  
Operator : JU/CG  
Sample : L3436-12 5X  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
12

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

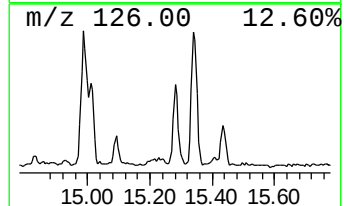
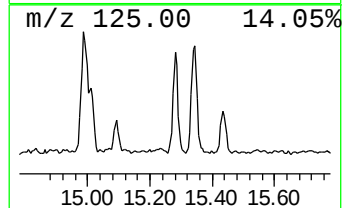
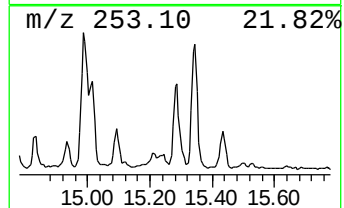
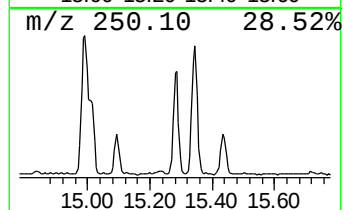
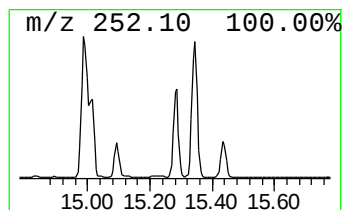
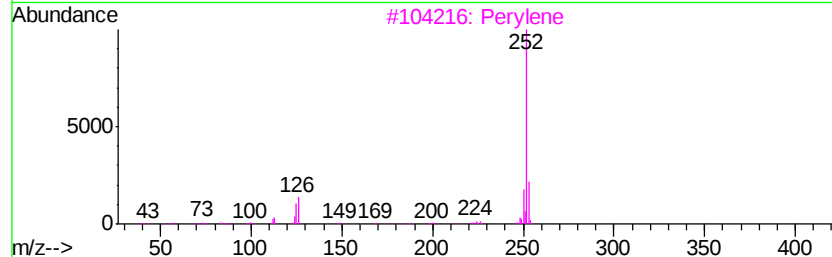
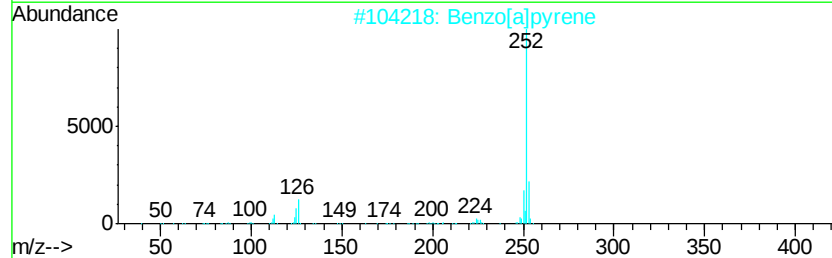
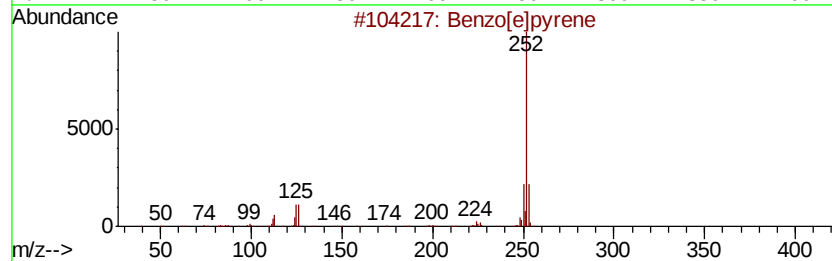
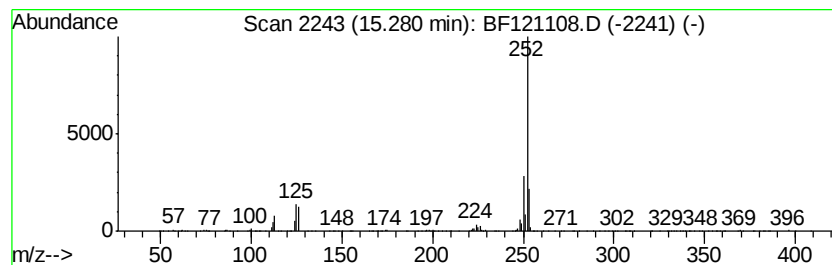
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 14 Benzo[e]pyrene Concentration Rank 1

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.28 | 6.92 ng | 374261 | Perylene-d12     | 15.41 |

| Hit# | of | 5 | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzo[e]pyrene            | 252 | C20H12  | 000192-97-2 | 98   |
| 2    |    |   | Benzo[a]pyrene            | 252 | C20H12  | 000050-32-8 | 98   |
| 3    |    |   | Perylene                  | 252 | C20H12  | 000198-55-0 | 94   |
| 4    |    |   | Benzo[e]acephenanthrylene | 252 | C20H12  | 000205-99-2 | 94   |
| 5    |    |   | Benzo[k]fluoranthene      | 252 | C20H12  | 000207-08-9 | 89   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF072920\  
 Data File : BF121108.D  
 Acq On : 29 Jul 2020 18:26  
 Operator : JU/CG  
 Sample : L3436-12 5X  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 12

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF071620.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 |
| 3,5-Dimethyldodecane  | 10.75 | 2.4     | ng    | 140325   | 4                     | 11.32 | 1148320 | 20.0 |
| unknown11.19          | 11.19 | 2.4     | ng    | 137194   | 4                     | 11.32 | 1148320 | 20.0 |
| Naphtho[2,3-b]thi...  | 11.22 | 2.1     | ng    | 119952   | 4                     | 11.32 | 1148320 | 20.0 |
| Anthracene, 2-met...  | 11.82 | 3.4     | ng    | 197207   | 4                     | 11.32 | 1148320 | 20.0 |
| Phenanthrene, 2-m...  | 11.85 | 5.0     | ng    | 287361   | 4                     | 11.32 | 1148320 | 20.0 |
| 1H-Cyclopropa[l]p...  | 11.90 | 2.0     | ng    | 117040   | 4                     | 11.32 | 1148320 | 20.0 |
| 4H-Cyclopenta[def...  | 11.93 | 6.6     | ng    | 379694   | 4                     | 11.32 | 1148320 | 20.0 |
| Anthracene, 9-met...  | 11.96 | 2.8     | ng    | 157641   | 4                     | 11.32 | 1148320 | 20.0 |
| Naphthalene, 2-ph...  | 12.12 | 2.3     | ng    | 131865   | 4                     | 11.32 | 1148320 | 20.0 |
| 9,10-Dimethylanthe... | 12.37 | 3.2     | ng    | 183675   | 4                     | 11.32 | 1148320 | 20.0 |
| unknown12.41          | 12.41 | 3.9     | ng    | 221688   | 4                     | 11.32 | 1148320 | 20.0 |
| Cyclopenta(def)ph...  | 12.46 | 2.2     | ng    | 128226   | 4                     | 11.32 | 1148320 | 20.0 |
| 11H-Benzo[a]fluorene  | 13.09 | 2.3     | ng    | 247533   | 5                     | 13.96 | 2111690 | 20.0 |
| Benzo[e]pyrene        | 15.28 | 6.9     | ng    | 374261   | 6                     | 15.41 | 1081410 | 20.0 |