

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122717\  
 Data File : BF101777.D  
 Acq On : 27 Dec 2017 21:56  
 Operator : SJ/JU  
 Sample : I7064-01 2X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SAMPLE-1

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:\HPCHEM1\BNA\_F\METHODS\8270-BF121417.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         | 5.004       | 492           | 496         | 512          | rBV      | 108589         | 198981        | 9.65%           | 0.696%        |
| 2         | 5.410       | 562           | 565         | 592          | rBV      | 1217524        | 1970681       | 95.60%          | 6.888%        |
| 3         | 6.434       | 736           | 739         | 758          | rBV      | 1316209        | 2045161       | 99.22%          | 7.149%        |
| 4         | 6.563       | 758           | 761         | 767          | rVV      | 1909623        | 1980201       | 96.06%          | 6.922%        |
| 5         | 6.604       | 767           | 768         | 778          | rVB2     | 40695          | 50567         | 2.45%           | 0.177%        |
| 6         | 6.787       | 796           | 799         | 809          | rBV      | 948884         | 924528        | 44.85%          | 3.232%        |
| 7         | 6.940       | 822           | 825         | 842          | rBV      | 1431598        | 1564026       | 75.87%          | 5.467%        |
| 8         | 7.357       | 893           | 896         | 914          | rBV      | 928042         | 1234182       | 59.87%          | 4.314%        |
| 9         | 7.516       | 921           | 923         | 927          | rVB      | 37747          | 30208         | 1.47%           | 0.106%        |
| 10        | 8.069       | 1014          | 1017        | 1036         | rVB      | 1137148        | 1239884       | 60.15%          | 4.334%        |
| 11        | 8.792       | 1137          | 1140        | 1145         | rBV      | 35858          | 43608         | 2.12%           | 0.152%        |
| 12        | 8.892       | 1153          | 1157        | 1160         | rBV      | 22515          | 26411         | 1.28%           | 0.092%        |
| 13        | 9.145       | 1196          | 1200        | 1208         | rBV      | 2051770        | 2061321       | 100.00%         | 7.205%        |
| 14        | 9.210       | 1208          | 1211        | 1215         | rVV      | 63452          | 59977         | 2.91%           | 0.210%        |
| 15        | 9.251       | 1215          | 1218        | 1223         | rVV      | 24854          | 27665         | 1.34%           | 0.097%        |
| 16        | 9.422       | 1242          | 1247        | 1251         | rBV      | 21402          | 33470         | 1.62%           | 0.117%        |
| 17        | 9.486       | 1256          | 1258        | 1261         | rVV2     | 26510          | 27042         | 1.31%           | 0.095%        |
| 18        | 9.522       | 1261          | 1264        | 1266         | rVV3     | 31084          | 43986         | 2.13%           | 0.154%        |
| 19        | 9.545       | 1266          | 1268        | 1273         | rVB      | 123179         | 124760        | 6.05%           | 0.436%        |
| 20        | 9.692       | 1288          | 1293        | 1298         | rBV      | 46594          | 58196         | 2.82%           | 0.203%        |
| 21        | 9.739       | 1298          | 1301        | 1304         | rVB      | 119689         | 85663         | 4.16%           | 0.299%        |
| 22        | 9.828       | 1312          | 1316        | 1320         | rBV      | 1135594        | 1125585       | 54.61%          | 3.934%        |
| 23        | 9.857       | 1320          | 1321        | 1328         | rVB      | 83155          | 83771         | 4.06%           | 0.293%        |
| 24        | 10.039      | 1347          | 1352        | 1354         | rBV2     | 38435          | 58570         | 2.84%           | 0.205%        |
| 25        | 10.239      | 1383          | 1386        | 1389         | rVB      | 125932         | 95840         | 4.65%           | 0.335%        |
| 26        | 10.380      | 1405          | 1410        | 1416         | rVB      | 55689          | 76727         | 3.72%           | 0.268%        |
| 27        | 10.457      | 1416          | 1423        | 1426         | rBV3     | 49760          | 76703         | 3.72%           | 0.268%        |
| 28        | 10.539      | 1435          | 1437        | 1442         | rVB3     | 23846          | 21179         | 1.03%           | 0.074%        |
| 29        | 10.622      | 1447          | 1451        | 1463         | rBV      | 901413         | 1047186       | 50.80%          | 3.660%        |
| 30        | 10.710      | 1463          | 1466        | 1475         | rVB2     | 112300         | 153499        | 7.45%           | 0.537%        |
| 31        | 10.786      | 1476          | 1479        | 1481         | rBV      | 28018          | 26846         | 1.30%           | 0.094%        |
| 32        | 10.822      | 1481          | 1485        | 1488         | rVV3     | 23118          | 34396         | 1.67%           | 0.120%        |
| 33        | 10.857      | 1488          | 1491        | 1493         | rVV      | 33148          | 28174         | 1.37%           | 0.098%        |
| 34        | 10.933      | 1497          | 1504        | 1506         | rVV4     | 34571          | 68434         | 3.32%           | 0.239%        |

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 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SAMPLE-1

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:\HPCHEM1\BNA\_F\METHODS\8270-BF121417.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 10.969 | 1506 | 1510 | 1514 | rVV4 | 38708   | 62560   | 3.03%  | 0.219% |
| 36 | 11.004 | 1514 | 1516 | 1519 | rVV  | 42435   | 41745   | 2.03%  | 0.146% |
| 37 | 11.051 | 1519 | 1524 | 1526 | rVV4 | 35245   | 51362   | 2.49%  | 0.180% |
| 38 | 11.157 | 1538 | 1542 | 1550 | rVV3 | 71911   | 124939  | 6.06%  | 0.437% |
| 39 | 11.222 | 1550 | 1553 | 1557 | rVB  | 40045   | 46057   | 2.23%  | 0.161% |
| 40 | 11.322 | 1566 | 1570 | 1572 | rBV  | 1009200 | 1037261 | 50.32% | 3.626% |
| 41 | 11.345 | 1572 | 1574 | 1580 | rVV  | 577096  | 517991  | 25.13% | 1.811% |
| 42 | 11.398 | 1580 | 1583 | 1591 | rVB  | 149358  | 169309  | 8.21%  | 0.592% |
| 43 | 11.569 | 1608 | 1612 | 1617 | rBV3 | 51462   | 83526   | 4.05%  | 0.292% |
| 44 | 11.827 | 1652 | 1656 | 1658 | rBV2 | 188940  | 200916  | 9.75%  | 0.702% |
| 45 | 11.851 | 1658 | 1660 | 1666 | rVV2 | 127055  | 151025  | 7.33%  | 0.528% |
| 46 | 11.904 | 1666 | 1669 | 1671 | rVV  | 50889   | 49267   | 2.39%  | 0.172% |
| 47 | 11.933 | 1671 | 1674 | 1677 | rVV2 | 142921  | 168946  | 8.20%  | 0.591% |
| 48 | 11.957 | 1677 | 1678 | 1682 | rVV  | 67837   | 62836   | 3.05%  | 0.220% |
| 49 | 11.992 | 1682 | 1684 | 1687 | rVB2 | 26428   | 21372   | 1.04%  | 0.075% |
| 50 | 12.116 | 1702 | 1705 | 1708 | rBV  | 72786   | 65249   | 3.17%  | 0.228% |
| 51 | 12.180 | 1713 | 1716 | 1720 | rVB3 | 28043   | 35134   | 1.70%  | 0.123% |
| 52 | 12.269 | 1728 | 1731 | 1733 | rBV2 | 25439   | 22646   | 1.10%  | 0.079% |
| 53 | 12.298 | 1733 | 1736 | 1738 | rBV  | 31780   | 22395   | 1.09%  | 0.078% |
| 54 | 12.374 | 1745 | 1749 | 1751 | rBV2 | 76231   | 83539   | 4.05%  | 0.292% |
| 55 | 12.457 | 1761 | 1763 | 1765 | rBV  | 25546   | 27150   | 1.32%  | 0.095% |
| 56 | 12.486 | 1765 | 1768 | 1773 | rVB2 | 45398   | 50824   | 2.47%  | 0.178% |
| 57 | 12.539 | 1773 | 1777 | 1786 | rBV  | 906948  | 874880  | 42.44% | 3.058% |
| 58 | 12.616 | 1786 | 1790 | 1792 | rBV5 | 46999   | 55606   | 2.70%  | 0.194% |
| 59 | 12.692 | 1800 | 1803 | 1809 | rBV3 | 49965   | 69242   | 3.36%  | 0.242% |
| 60 | 12.751 | 1810 | 1813 | 1814 | rVV  | 212316  | 194150  | 9.42%  | 0.679% |
| 61 | 12.769 | 1814 | 1816 | 1822 | rVV  | 792582  | 731765  | 35.50% | 2.558% |
| 62 | 12.821 | 1822 | 1825 | 1829 | rVB  | 46735   | 53855   | 2.61%  | 0.188% |
| 63 | 12.898 | 1834 | 1838 | 1844 | rVV  | 1575109 | 1378999 | 66.90% | 4.820% |
| 64 | 12.945 | 1844 | 1846 | 1849 | rVB  | 32939   | 32153   | 1.56%  | 0.112% |
| 65 | 12.986 | 1849 | 1853 | 1859 | rBV2 | 57792   | 103394  | 5.02%  | 0.361% |
| 66 | 13.033 | 1859 | 1861 | 1864 | rBV3 | 30647   | 28721   | 1.39%  | 0.100% |
| 67 | 13.104 | 1864 | 1873 | 1877 | rBV2 | 163680  | 282369  | 13.70% | 0.987% |
| 68 | 13.163 | 1881 | 1883 | 1886 | rVV  | 79320   | 71124   | 3.45%  | 0.249% |
| 69 | 13.204 | 1887 | 1890 | 1896 | rVB3 | 82653   | 119521  | 5.80%  | 0.418% |
| 70 | 13.298 | 1903 | 1906 | 1909 | rBV2 | 61177   | 63119   | 3.06%  | 0.221% |
| 71 | 13.327 | 1909 | 1911 | 1914 | rVV  | 66197   | 73426   | 3.56%  | 0.257% |

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 BNA\_F  
 ClientSampleId :  
 SAMPLE-1

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:\HPCHEM1\BNA\_F\METHODS\8270-BF121417.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 72 | 13.363 | 1915 | 1917 | 1920 | rVB  | 69685  | 64670   | 3.14%  | 0.226% |
| 73 | 13.451 | 1929 | 1932 | 1934 | rBV2 | 70531  | 71128   | 3.45%  | 0.249% |
| 74 | 13.627 | 1960 | 1962 | 1967 | rVB  | 50823  | 56179   | 2.73%  | 0.196% |
| 75 | 13.727 | 1976 | 1979 | 1980 | rBV  | 59991  | 58925   | 2.86%  | 0.206% |
| 76 | 13.774 | 1984 | 1987 | 1994 | rVV3 | 323677 | 413651  | 20.07% | 1.446% |
| 77 | 13.839 | 1996 | 1998 | 2002 | rVB  | 67683  | 65105   | 3.16%  | 0.228% |
| 78 | 13.916 | 2009 | 2011 | 2014 | rVB  | 56066  | 46925   | 2.28%  | 0.164% |
| 79 | 13.968 | 2015 | 2020 | 2023 | rVV2 | 984536 | 1314423 | 63.77% | 4.594% |
| 80 | 13.998 | 2023 | 2025 | 2031 | rVB  | 428155 | 423252  | 20.53% | 1.479% |
| 81 | 14.080 | 2036 | 2039 | 2040 | rBV  | 74711  | 67543   | 3.28%  | 0.236% |
| 82 | 14.363 | 2085 | 2087 | 2090 | rVB  | 93757  | 75681   | 3.67%  | 0.265% |
| 83 | 14.398 | 2090 | 2093 | 2095 | rBV  | 95047  | 90622   | 4.40%  | 0.317% |
| 84 | 15.021 | 2195 | 2199 | 2202 | rBV  | 386390 | 582223  | 28.25% | 2.035% |
| 85 | 15.321 | 2247 | 2250 | 2255 | rBV  | 204693 | 241879  | 11.73% | 0.845% |
| 86 | 15.386 | 2258 | 2261 | 2266 | rVB  | 325413 | 395976  | 19.21% | 1.384% |
| 87 | 15.445 | 2267 | 2271 | 2275 | rBV  | 526418 | 685115  | 33.24% | 2.395% |

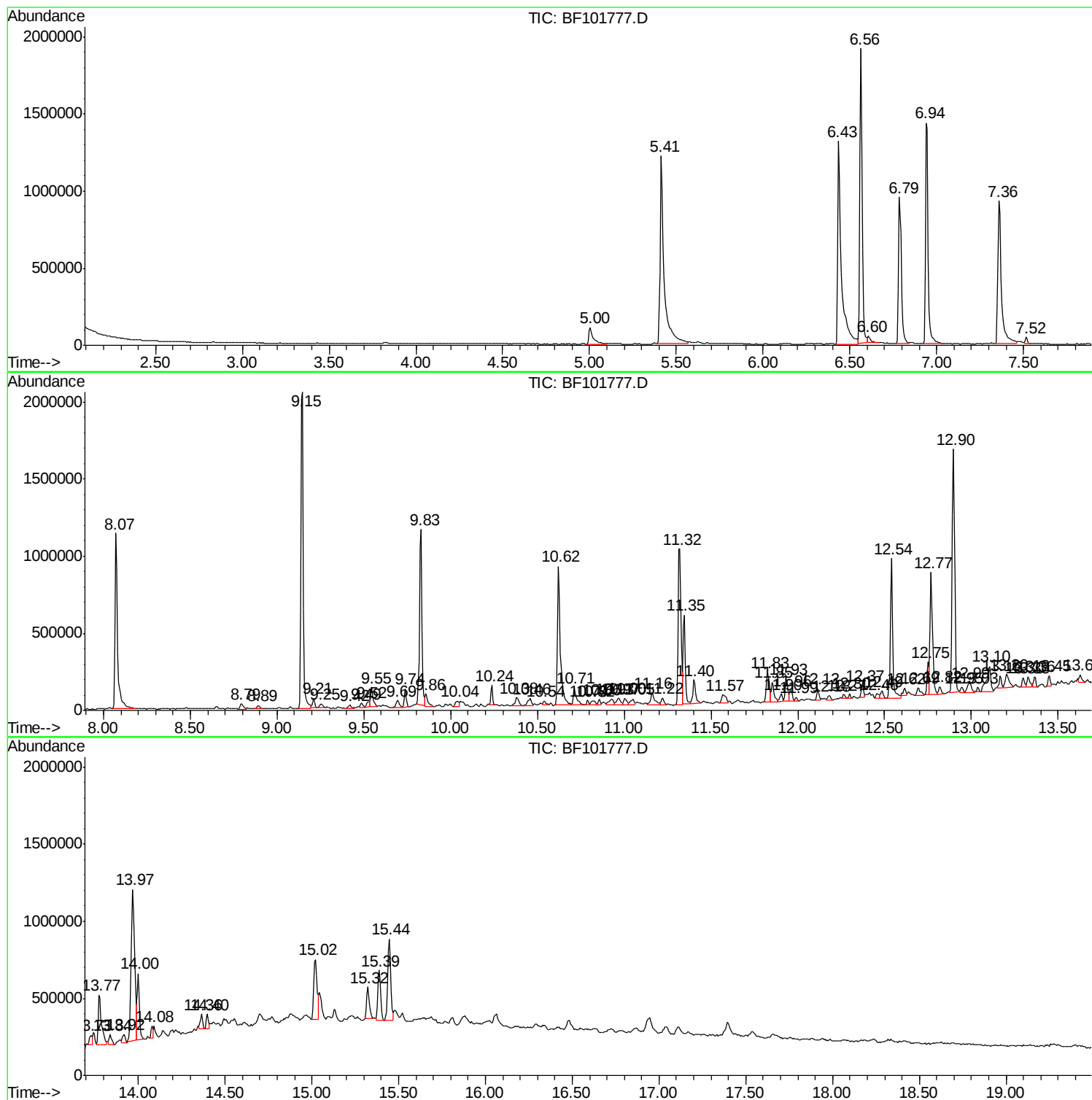
Sum of corrected areas: 28609098

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF122717\  
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Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
SAMPLE-1

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF121417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122717\  
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Operator : SJ/JU  
Sample : I7064-01 2X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SAMPLE-1

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

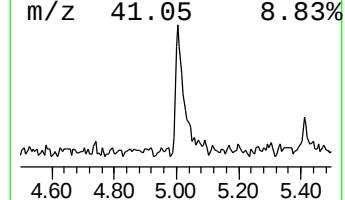
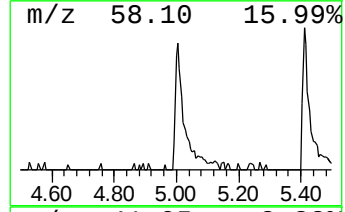
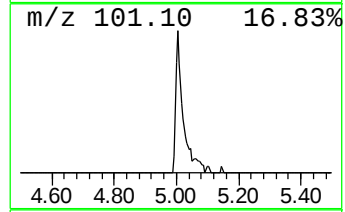
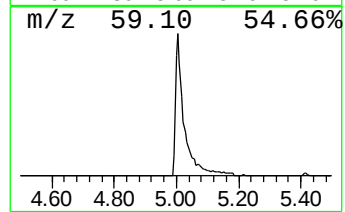
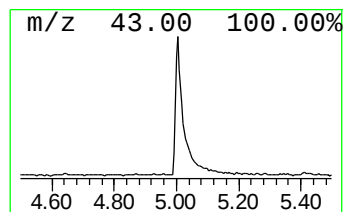
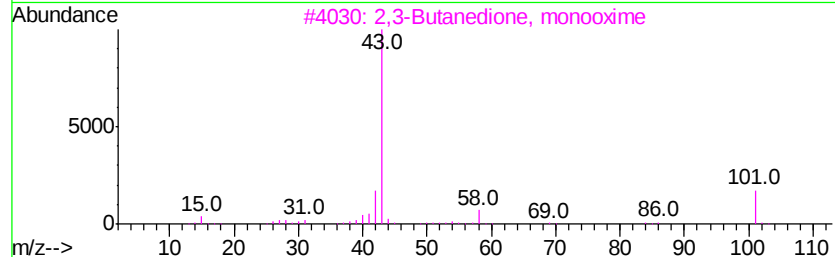
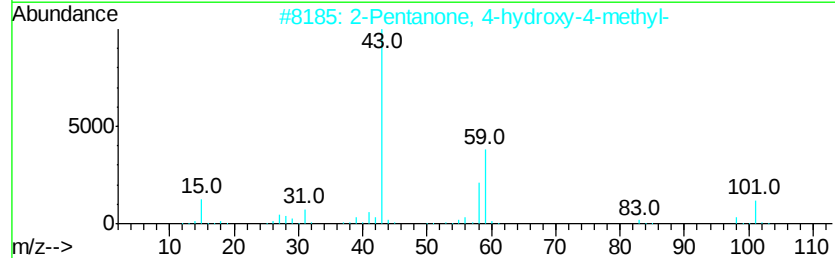
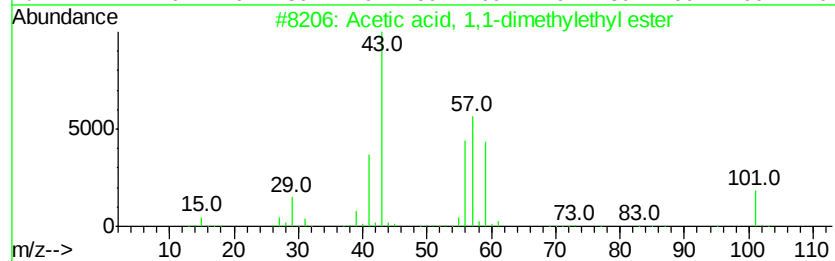
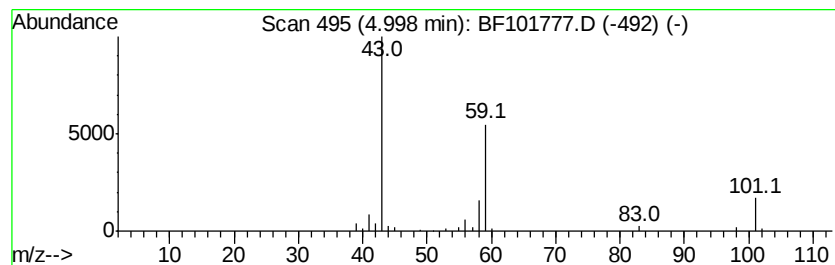
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Acetic acid, 1,1-dimethylet... Concentration Rank 5

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 5.00 | 4.30 ng | 198981 | 1,4-Dichlorobenzene-d4 | 6.79 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 50   |
| 2    |    | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 45   |
| 3    |    | 2,3-Butanedione, monooxime          | 101 | C4H7NO2 | 000057-71-6 | 16   |
| 4    |    | 5-Hexen-2-one                       | 98  | C6H10O  | 000109-49-9 | 9    |
| 5    |    | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O  | 017348-59-3 | 9    |



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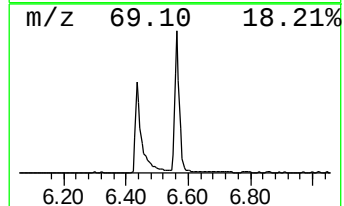
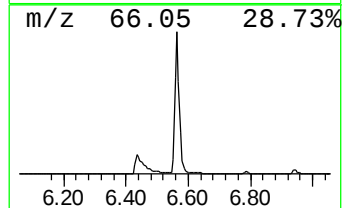
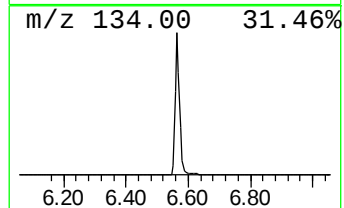
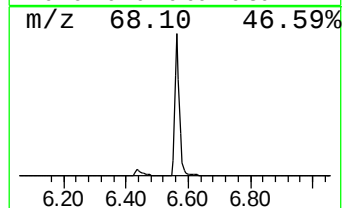
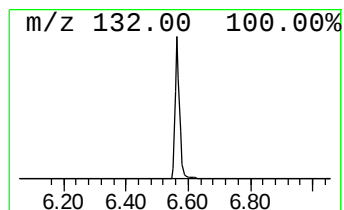
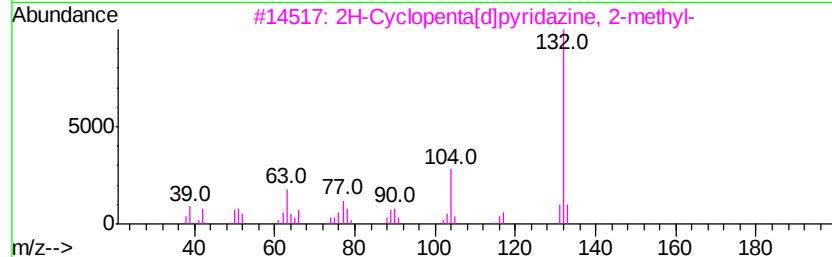
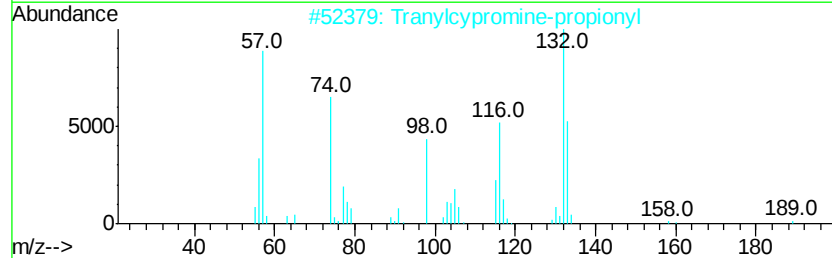
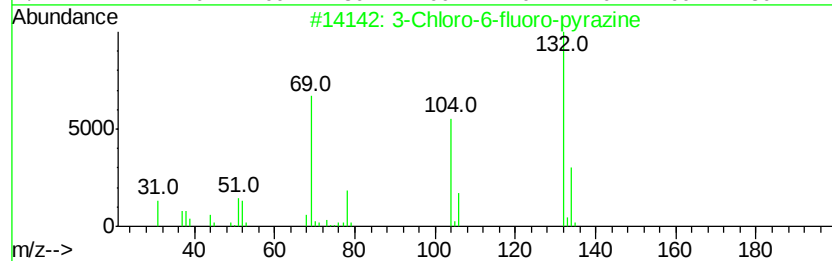
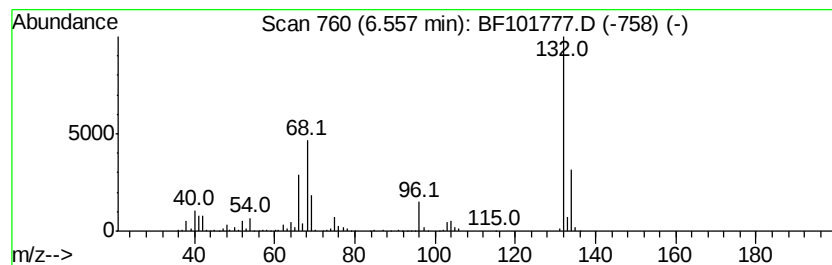
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 unknown6.56 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.56 | 42.84 ng | 1980200 | 1,4-Dichlorobenzene-d4 | 6.79 |

| Hit# | of                                  | Tentative ID | MW        | MolForm      | CAS# | Qual |
|------|-------------------------------------|--------------|-----------|--------------|------|------|
| 1    | 3-Chloro-6-fluoro-pyrazine          | 132          | C4H2ClFN2 | 1000146-10-7 | 27   |      |
| 2    | Tranylcypromine-propionyl           | 189          | C12H15NO  | 1000123-86-3 | 10   |      |
| 3    | 2H-Cyclopenta[d]pyridazine, 2-me... | 132          | C8H8N2    | 022291-85-6  | 9    |      |
| 4    | 4-Methylpyrrolo[1,2-a]pyrazine      | 132          | C8H8N2    | 064608-60-2  | 9    |      |
| 5    | 5-Fluoro-2-chloropyrimidine         | 132          | C4H2ClFN2 | 062802-42-0  | 9    |      |



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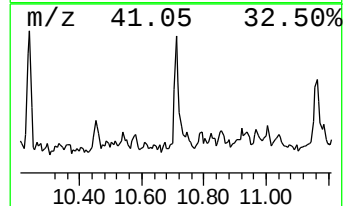
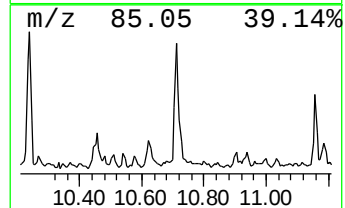
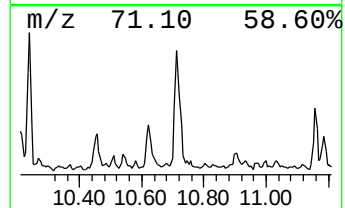
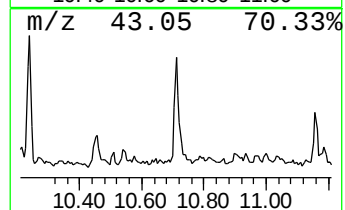
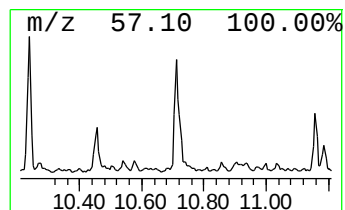
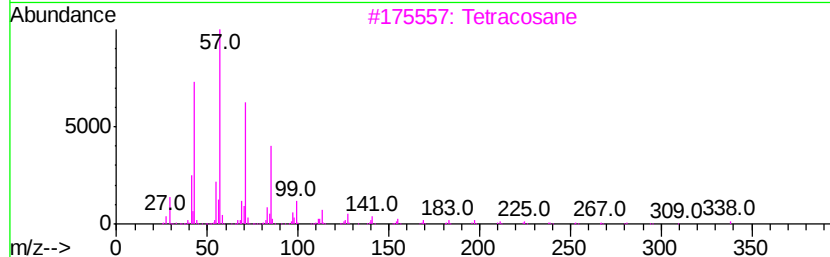
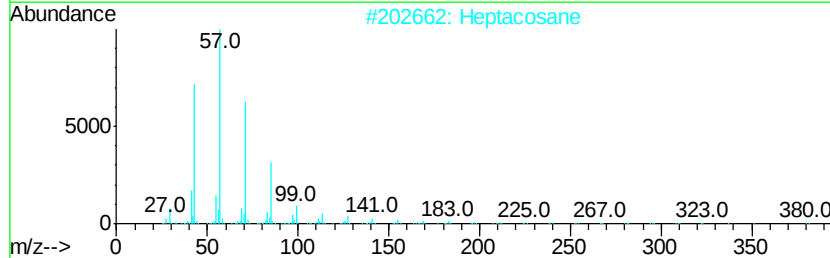
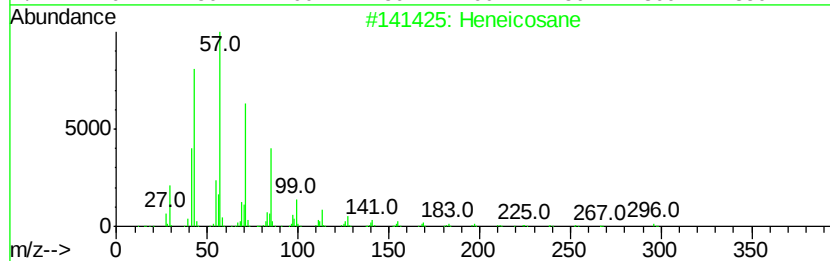
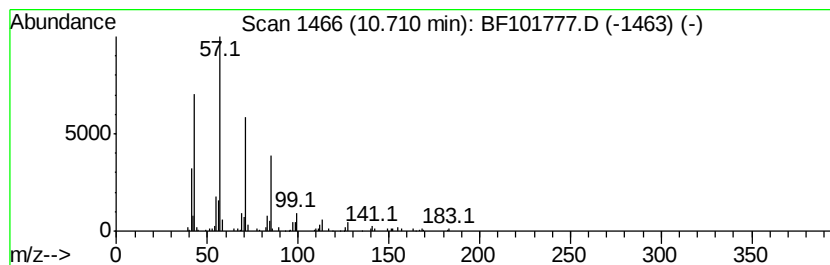
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TIC Integration Parameters: LSCINT.P

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Peak Number 4 Heneicosane Concentration Rank 9

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 10.71 | 2.96 ng | 153499 | Phenanthrene-d10 | 11.32 |

| Hit# of | 5                  | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|--------------------|--------------|-----|---------|-------------|------|
| 1       | Heneicosane        |              | 296 | C21H44  | 000629-94-7 | 91   |
| 2       | Heptacosane        |              | 380 | C27H56  | 000593-49-7 | 91   |
| 3       | Tetracosane        |              | 338 | C24H50  | 000646-31-1 | 91   |
| 4       | Tridecane, 1-iodo- |              | 310 | C13H27I | 035599-77-0 | 90   |
| 5       | Pentadecane        |              | 212 | C15H32  | 000629-62-9 | 90   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF122717\  
Data File : BF101777.D  
Acq On : 27 Dec 2017 21:56  
Operator : SJ/JU  
Sample : I7064-01 2X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SAMPLE-1

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF121417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

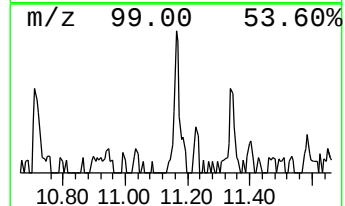
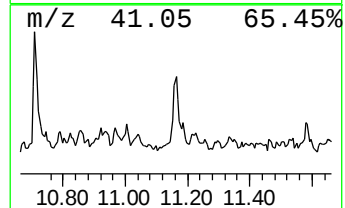
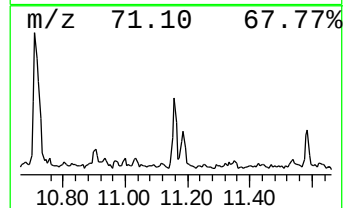
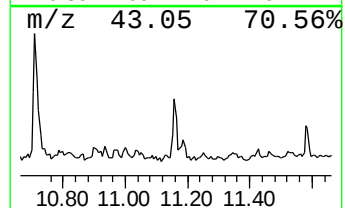
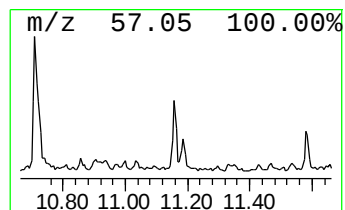
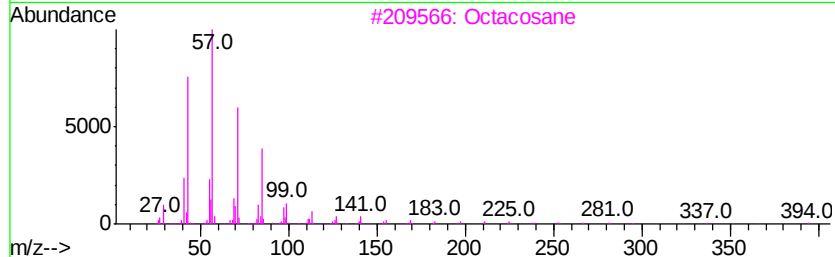
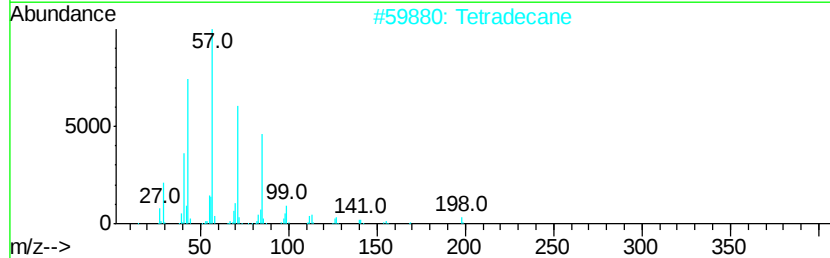
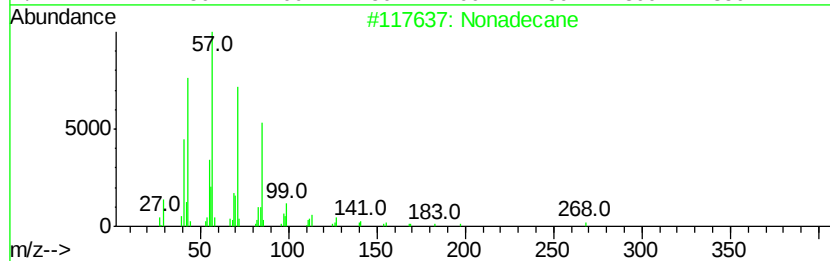
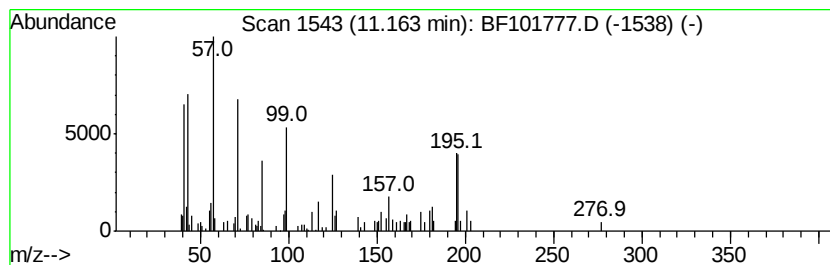
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 Nonadecane Concentration Rank 11

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.16 | 2.41 ng | 124939 | Phenanthrene-d10 | 11.32 |

| Hit# of | 5                   | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|---------------------|--------------|-----|---------|-------------|------|
| 1       | Nonadecane          |              | 268 | C19H40  | 000629-92-5 | 58   |
| 2       | Tetradecane         |              | 198 | C14H30  | 000629-59-4 | 58   |
| 3       | Octacosane          |              | 394 | C28H58  | 000630-02-4 | 53   |
| 4       | Tridecane           |              | 184 | C13H28  | 000629-50-5 | 53   |
| 5       | Octadecane, 1-iodo- |              | 380 | C18H37I | 000629-93-6 | 53   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF122717\  
Data File : BF101777.D  
Acq On : 27 Dec 2017 21:56  
Operator : SJ/JU  
Sample : I7064-01 2X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

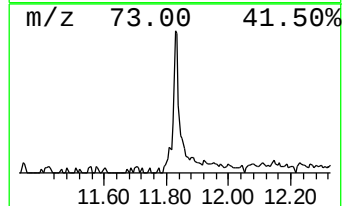
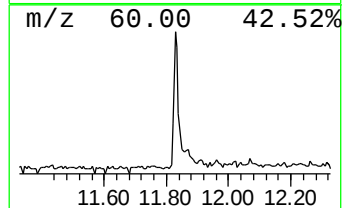
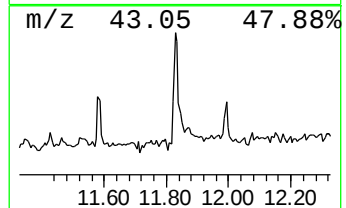
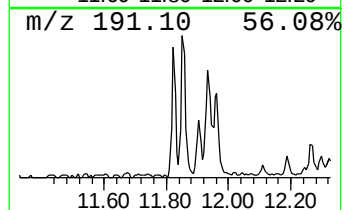
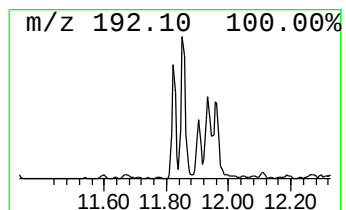
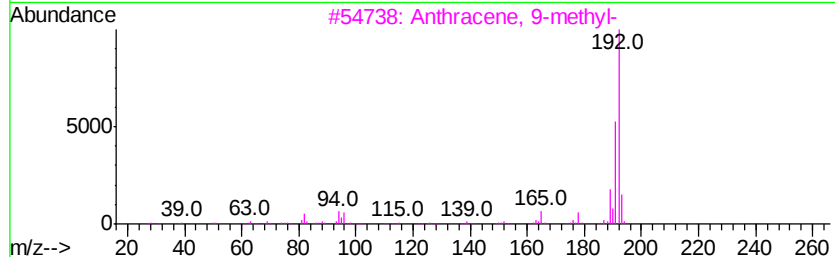
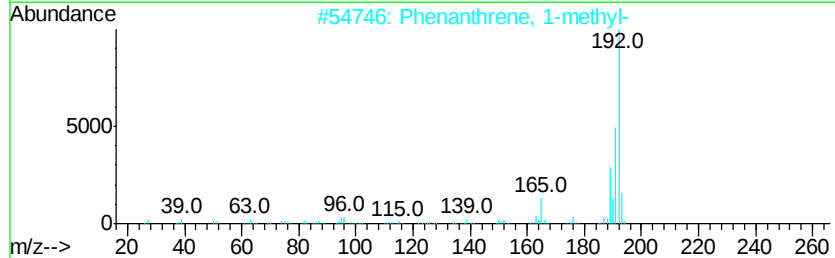
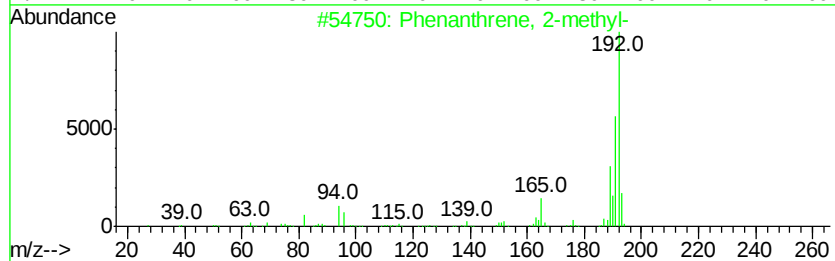
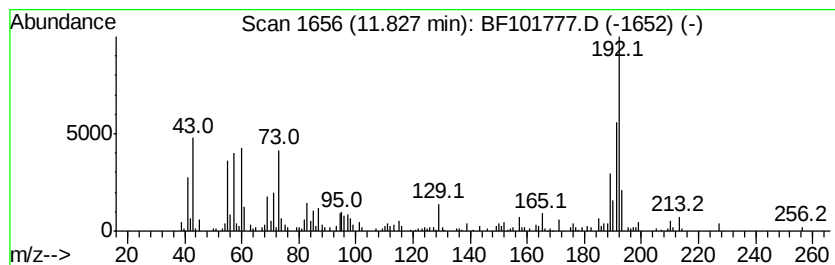
Instrument :  
BNA\_F  
ClientSampleId :  
SAMPLE-1

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF121417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 7

| R.T.    | EstConc | Area                                | Relative to ISTD | R.T.    |             |      |
|---------|---------|-------------------------------------|------------------|---------|-------------|------|
| 11.83   | 3.87 ng | 200916                              | Phenanthrene-d10 | 11.32   |             |      |
| Hit# of | 5       | Tentative ID                        | MW               | MolForm | CAS#        | Qual |
| 1       |         | Phenanthrene, 2-methyl-             | 192              | C15H12  | 002531-84-2 | 83   |
| 2       |         | Phenanthrene, 1-methyl-             | 192              | C15H12  | 000832-69-9 | 64   |
| 3       |         | Anthracene, 9-methyl-               | 192              | C15H12  | 000779-02-2 | 64   |
| 4       |         | 1H-Cyclopropa[1]phenanthrene,1a,... | 192              | C15H12  | 000949-41-7 | 64   |
| 5       |         | Phenanthrene, 9-methyl-             | 192              | C15H12  | 000883-20-5 | 64   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF122717\  
Data File : BF101777.D  
Acq On : 27 Dec 2017 21:56  
Operator : SJ/JU  
Sample : I7064-01 2X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SAMPLE-1

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF121417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

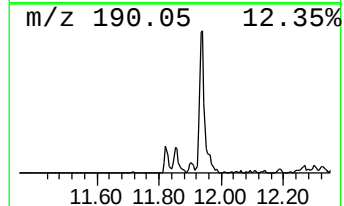
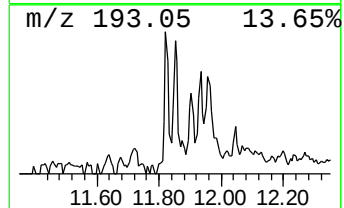
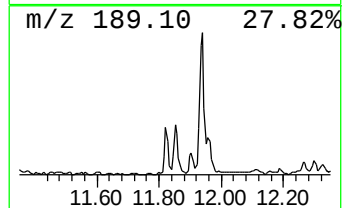
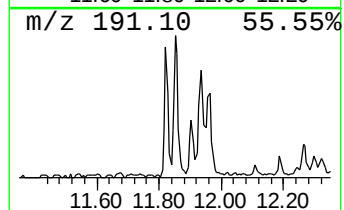
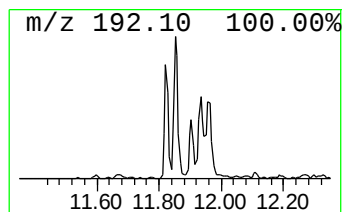
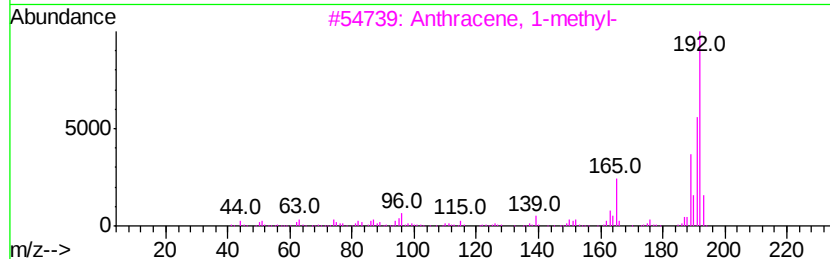
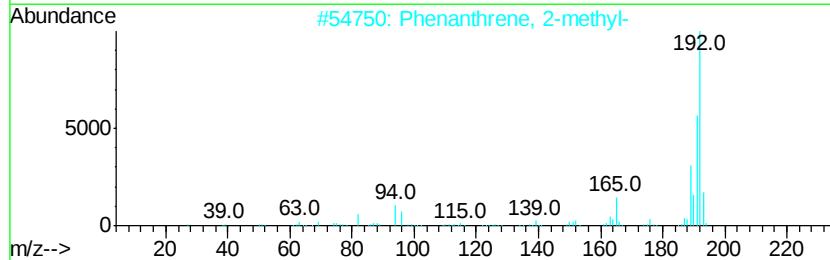
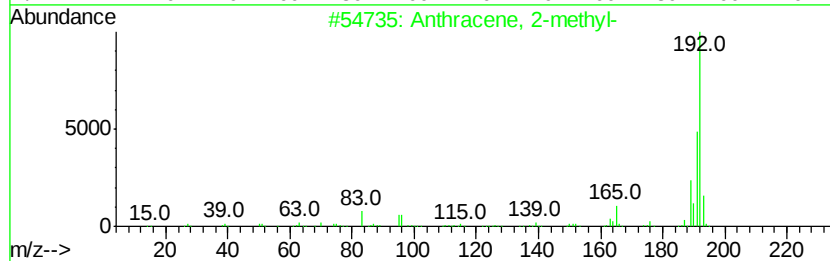
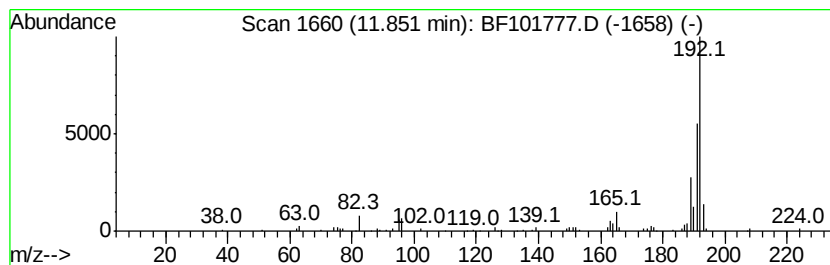
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TIC Integration Parameters: LSCINT.P

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Peak Number 7 Anthracene, 2-methyl- Concentration Rank 10

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.85 | 2.91 ng | 151025 | Phenanthrene-d10 | 11.32 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Anthracene, 2-methyl-   | 192 | C15H12  | 000613-12-7 | 97   |
| 2    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 96   |
| 3    |    |   | Anthracene, 1-methyl-   | 192 | C15H12  | 000610-48-0 | 96   |
| 4    |    |   | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 96   |
| 5    |    |   | Anthracene, 9-methyl-   | 192 | C15H12  | 000779-02-2 | 91   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF122717\  
Data File : BF101777.D  
Acq On : 27 Dec 2017 21:56  
Operator : SJ/JU  
Sample : I7064-01 2X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

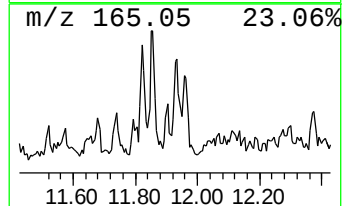
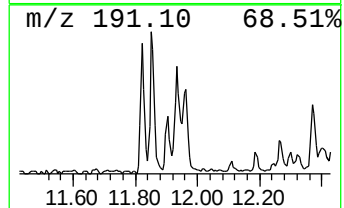
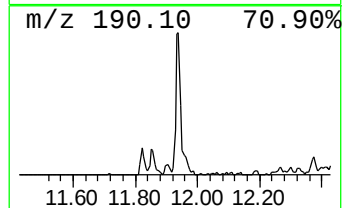
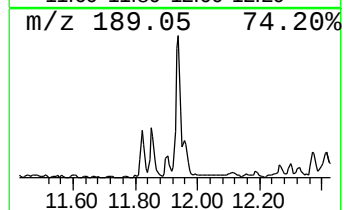
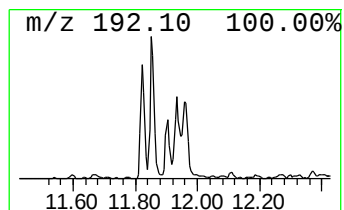
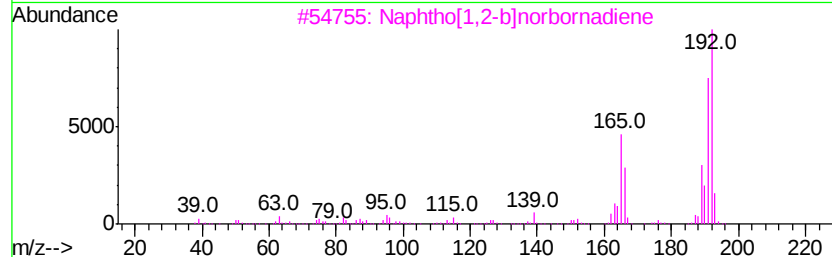
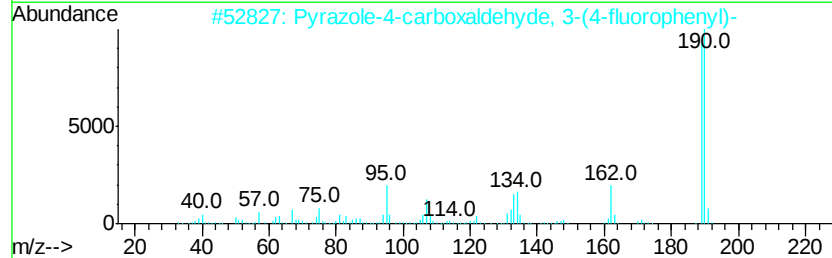
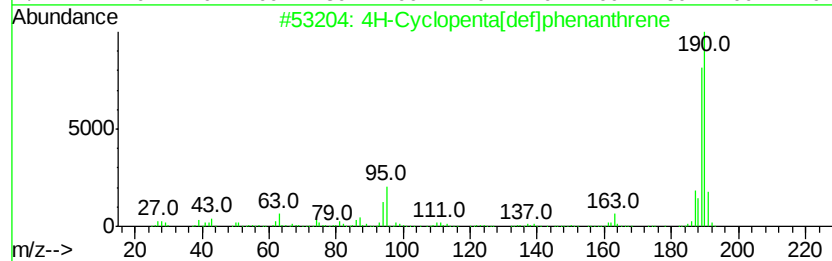
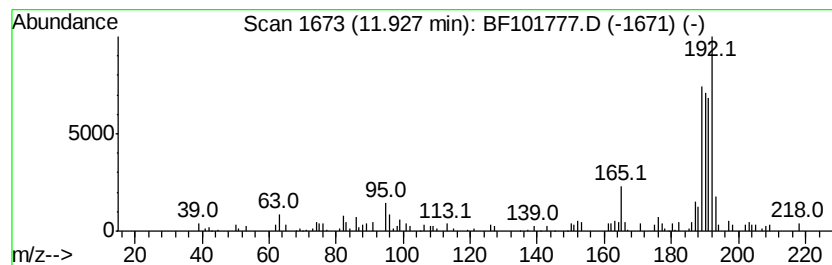
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BNA\_F  
ClientSampleId :  
SAMPLE-1

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF121417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 11.93     | 3.26 ng                             | 168946 | Phenanthrene-d10 | 11.32        |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | 4H-Cyclopenta[def]phenanthrene      | 190    | C15H10           | 000203-64-5  | 64   |
| 2         | Pyrazole-4-carboxaldehyde, 3-(4-... | 190    | C10H7FN2O        | 306936-57-2  | 46   |
| 3         | Naphtho[1,2-b]norbornadiene         | 192    | C15H12           | 1000210-14-8 | 42   |
| 4         | Phenanthrene, 4-methyl-             | 192    | C15H12           | 000832-64-4  | 38   |
| 5         | Anthracene, 1-methyl-               | 192    | C15H12           | 000610-48-0  | 35   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122717\  
Data File : BF101777.D  
Acq On : 27 Dec 2017 21:56  
Operator : SJ/JU  
Sample : I7064-01 2X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SAMPLE-1

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

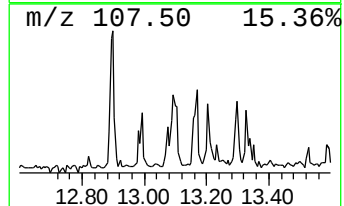
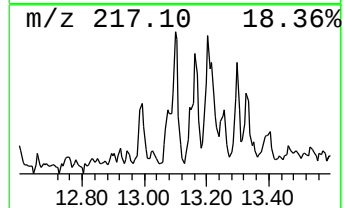
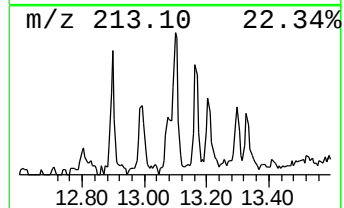
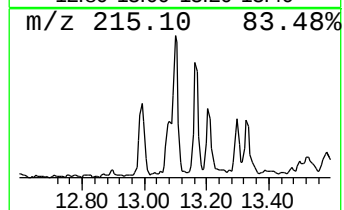
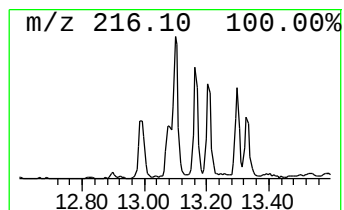
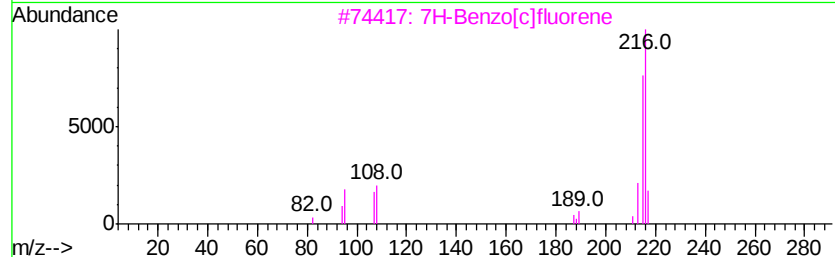
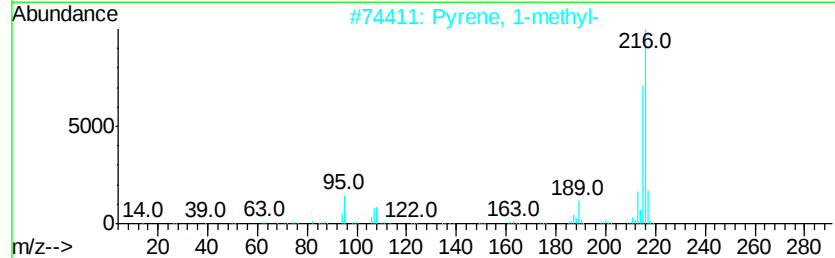
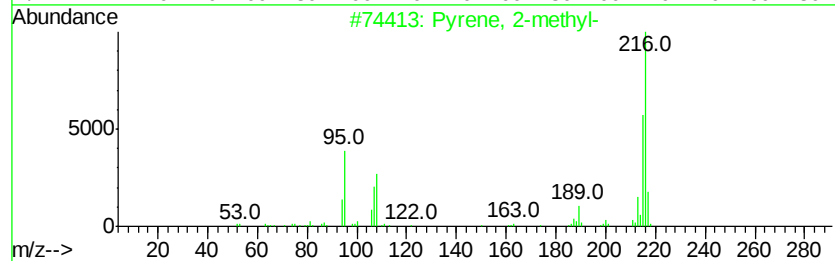
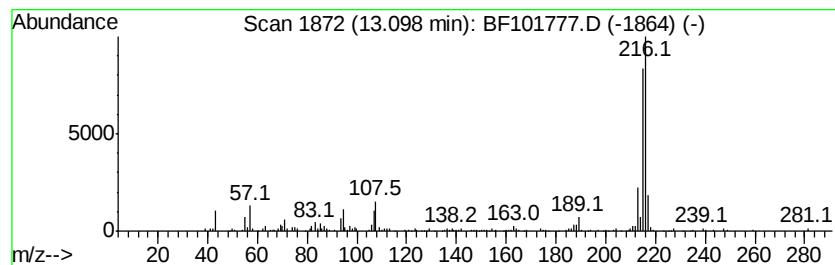
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.10 | 4.30 ng | 282369 | Chrysene-d12     | 13.97 |

| Hit# of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|---------|---|-------------------------|-----|---------|-------------|------|
| 1       |   | Pyrene, 2-methyl-       | 216 | C17H12  | 003442-78-2 | 83   |
| 2       |   | Pyrene, 1-methyl-       | 216 | C17H12  | 002381-21-7 | 81   |
| 3       |   | 7H-Benzo[c]fluorene     | 216 | C17H12  | 000205-12-9 | 80   |
| 4       |   | 11H-Benzo[b]fluorene    | 216 | C17H12  | 000243-17-4 | 76   |
| 5       |   | Fluoranthene, 2-methyl- | 216 | C17H12  | 033543-31-6 | 70   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF122717\  
Data File : BF101777.D  
Acq On : 27 Dec 2017 21:56  
Operator : SJ/JU  
Sample : I7064-01 2X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

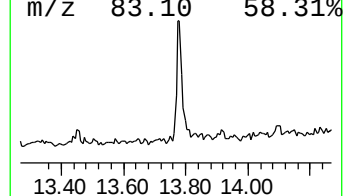
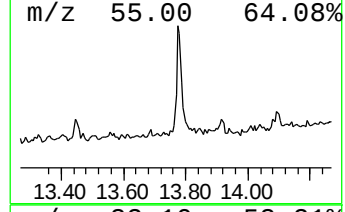
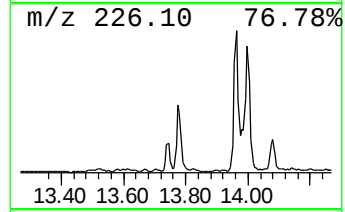
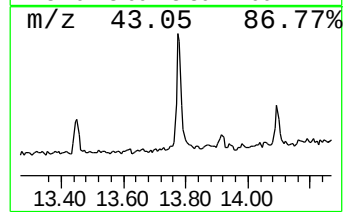
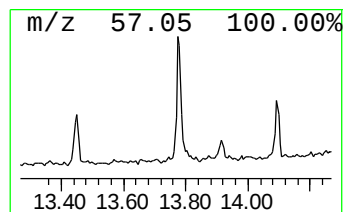
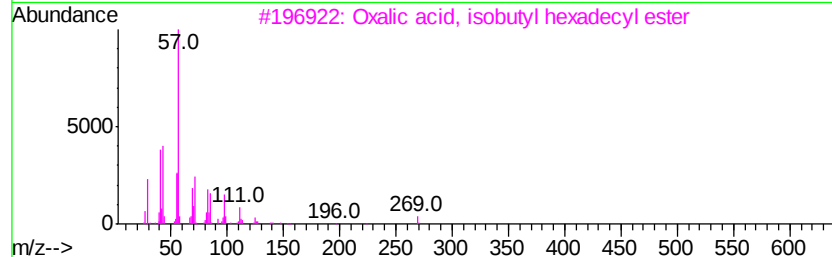
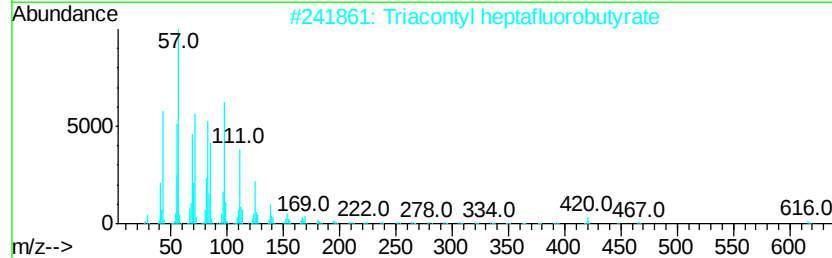
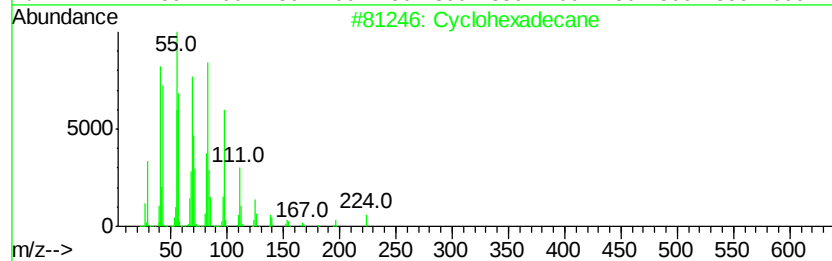
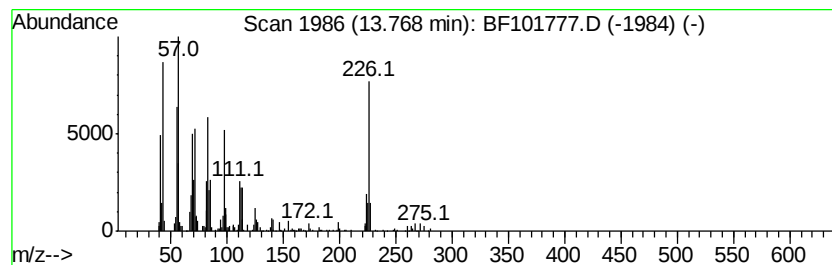
Instrument :  
BNA\_F  
ClientSampleId :  
SAMPLE-1

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF121417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 10 Cyclohexadecane Concentration Rank 4

| R.T.    | EstConc | Area                                | Relative to ISTD | R.T.       |              |      |
|---------|---------|-------------------------------------|------------------|------------|--------------|------|
| 13.77   | 6.29 ng | 413651                              | Chrysene-d12     | 13.97      |              |      |
| Hit# of | 5       | Tentative ID                        | MW               | MolForm    | CAS#         | Qual |
| 1       |         | Cvclohexadecane                     | 224              | C16H32     | 000295-65-8  | 94   |
| 2       |         | Triacontyl heptafluorobutyrate      | 634              | C34H61F7O2 | 1000351-83-2 | 53   |
| 3       |         | Oxalic acid, isobutyl hexadecyl ... | 370              | C22H42O4   | 1000309-38-1 | 53   |
| 4       |         | Oxalic acid, isobutyl octadecyl ... | 398              | C24H46O4   | 1000309-38-3 | 53   |
| 5       |         | Dotriacontyl pentafluoropropionate  | 612              | C35H65F5O2 | 1000351-81-4 | 53   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122717\  
Data File : BF101777.D  
Acq On : 27 Dec 2017 21:56  
Operator : SJ/JU  
Sample : I7064-01 2X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SAMPLE-1

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

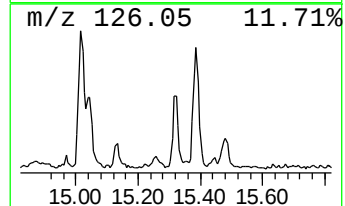
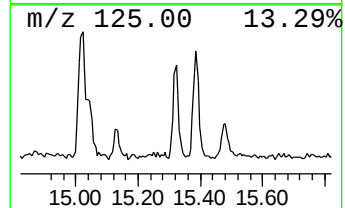
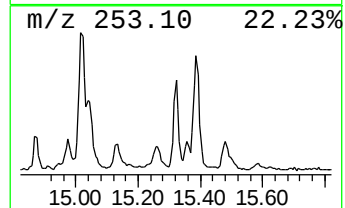
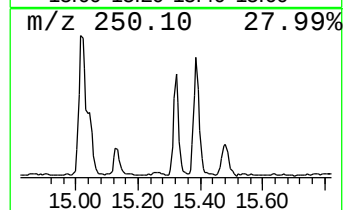
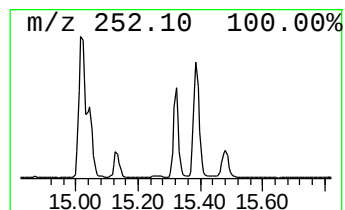
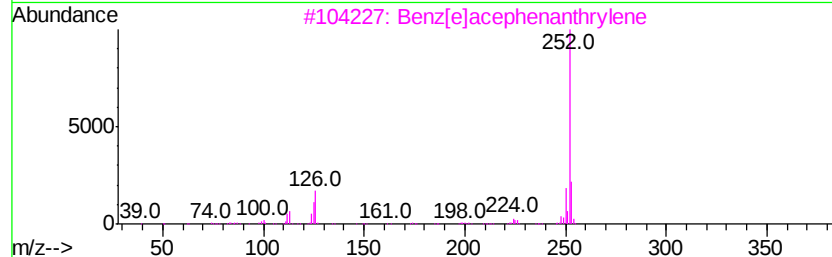
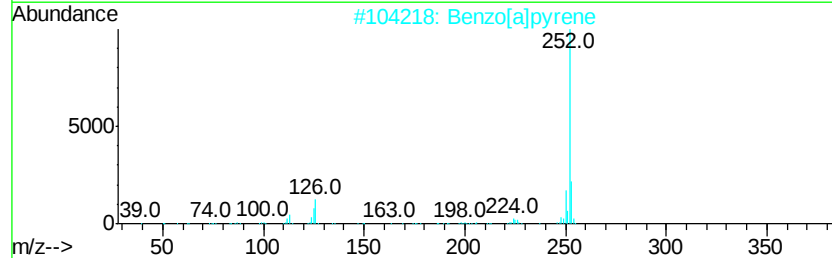
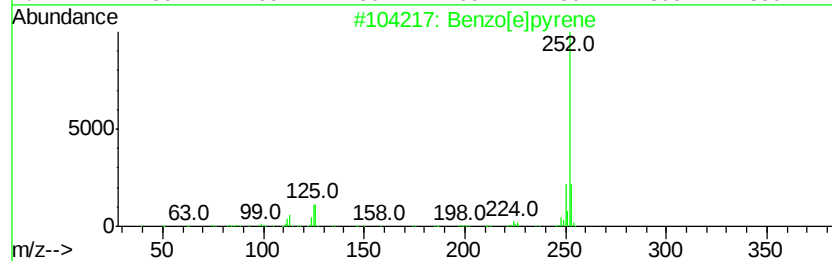
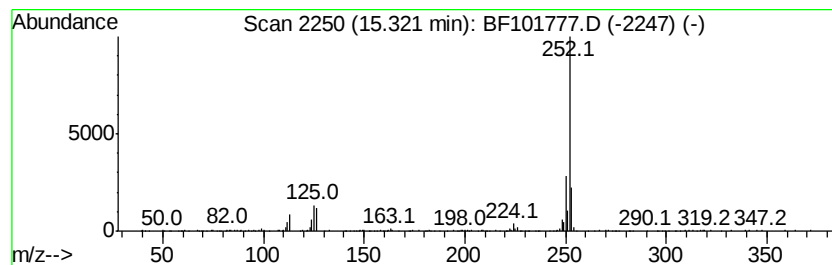
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 Benzo[e]pyrene Concentration Rank 3

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.32 | 7.06 ng | 241879 | Perylene-d12     | 15.44 |

| Hit# | of | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzo[e]pyrene           | 252 | C20H12  | 000192-97-2 | 98   |
| 2    |    | Benzo[a]pyrene           | 252 | C20H12  | 000050-32-8 | 97   |
| 3    |    | Benz[e]acephenanthrylene | 252 | C20H12  | 000205-99-2 | 97   |
| 4    |    | Perylene                 | 252 | C20H12  | 000198-55-0 | 96   |
| 5    |    | Benzo[j]fluoranthene     | 252 | C20H12  | 000205-82-3 | 95   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF122717\  
Data File : BF101777.D  
Acq On : 27 Dec 2017 21:56  
Operator : SJ/JU  
Sample : I7064-01 2X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SAMPLE-1

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF121417.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 |
| Acetic acid, 1,1-... | 5.00  | 4.3     | ng    | 198981   | 1                     | 6.79  | 924528  | 20.0 |
| unknown6.56          | 6.56  | 42.8    | ng    | 1980200  | 1                     | 6.79  | 924528  | 20.0 |
| Heneicosane          | 10.71 | 3.0     | ng    | 153499   | 4                     | 11.32 | 1037260 | 20.0 |
| Nonadecane           | 11.16 | 2.4     | ng    | 124939   | 4                     | 11.32 | 1037260 | 20.0 |
| Phenanthrene, 2-m... | 11.83 | 3.9     | ng    | 200916   | 4                     | 11.32 | 1037260 | 20.0 |
| Anthracene, 2-met... | 11.85 | 2.9     | ng    | 151025   | 4                     | 11.32 | 1037260 | 20.0 |
| 4H-Cyclopenta[def... | 11.93 | 3.3     | ng    | 168946   | 4                     | 11.32 | 1037260 | 20.0 |
| Pyrene, 2-methyl-    | 13.10 | 4.3     | ng    | 282369   | 5                     | 13.97 | 1314420 | 20.0 |
| Cyclohexadecane      | 13.77 | 6.3     | ng    | 413651   | 5                     | 13.97 | 1314420 | 20.0 |
| Benzo[e]pyrene       | 15.32 | 7.1     | ng    | 241879   | 6                     | 15.44 | 685115  | 20.0 |