

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF122818\  
 Data File : BF111793.D  
 Acq On : 28 Dec 2018 17:18  
 Operator : JU/SJ  
 Sample : J6193-15 2X  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-02-122718-C

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-BF121918.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 2.199    | 14         | 19       | 26        | rVB   | 68899       | 90069      | 4.66%        | 0.347%     |
| 2      | 5.110    | 509        | 514      | 524       | rBV   | 100848      | 112437     | 5.82%        | 0.433%     |
| 3      | 5.534    | 582        | 586      | 590       | rBV   | 1739114     | 1715663    | 88.81%       | 6.614%     |
| 4      | 6.545    | 753        | 758      | 771       | rBV   | 1878488     | 1931744    | 100.00%      | 7.447%     |
| 5      | 6.675    | 776        | 780      | 784       | rBV   | 2074760     | 1839383    | 95.22%       | 7.091%     |
| 6      | 6.904    | 815        | 819      | 822       | rBV   | 1265987     | 981851     | 50.83%       | 3.785%     |
| 7      | 7.063    | 842        | 846      | 849       | rBV   | 1558042     | 1407774    | 72.88%       | 5.427%     |
| 8      | 7.457    | 907        | 913      | 916       | rBV   | 1341771     | 1114239    | 57.68%       | 4.296%     |
| 9      | 8.187    | 1032       | 1037     | 1040      | rBV   | 1468264     | 1188786    | 61.54%       | 4.583%     |
| 10     | 8.998    | 1170       | 1175     | 1179      | rBV2  | 17369       | 25344      | 1.31%        | 0.098%     |
| 11     | 9.257    | 1215       | 1219     | 1222      | rBV   | 2403332     | 1858349    | 96.20%       | 7.164%     |
| 12     | 9.522    | 1261       | 1264     | 1267      | rBV3  | 18981       | 23059      | 1.19%        | 0.089%     |
| 13     | 9.598    | 1274       | 1277     | 1279      | rBV   | 37122       | 29443      | 1.52%        | 0.114%     |
| 14     | 9.645    | 1282       | 1285     | 1290      | rVV   | 262874      | 217660     | 11.27%       | 0.839%     |
| 15     | 9.716    | 1294       | 1297     | 1302      | rBV2  | 25628       | 30863      | 1.60%        | 0.119%     |
| 16     | 9.798    | 1308       | 1311     | 1316      | rBV   | 36385       | 32019      | 1.66%        | 0.123%     |
| 17     | 9.939    | 1332       | 1335     | 1338      | rBV2  | 1310397     | 1124614    | 58.22%       | 4.336%     |
| 18     | 9.975    | 1338       | 1341     | 1344      | rVB   | 170342      | 147556     | 7.64%        | 0.569%     |
| 19     | 10.145   | 1366       | 1370     | 1374      | rVB   | 92025       | 86264      | 4.47%        | 0.333%     |
| 20     | 10.369   | 1406       | 1408     | 1411      | rVB2  | 34657       | 25911      | 1.34%        | 0.100%     |
| 21     | 10.486   | 1425       | 1428     | 1434      | rVB   | 247215      | 207457     | 10.74%       | 0.800%     |
| 22     | 10.645   | 1453       | 1455     | 1458      | rVB   | 32451       | 25392      | 1.31%        | 0.098%     |
| 23     | 10.728   | 1465       | 1469     | 1473      | rBV   | 1173336     | 1000651    | 51.80%       | 3.858%     |
| 24     | 10.845   | 1486       | 1489     | 1490      | rBV   | 32999       | 36075      | 1.87%        | 0.139%     |
| 25     | 11.033   | 1517       | 1521     | 1524      | rBV2  | 37855       | 42252      | 2.19%        | 0.163%     |
| 26     | 11.163   | 1538       | 1543     | 1545      | rBV3  | 16883       | 23972      | 1.24%        | 0.092%     |
| 27     | 11.286   | 1558       | 1564     | 1568      | rBV4  | 34716       | 58437      | 3.03%        | 0.225%     |
| 28     | 11.322   | 1568       | 1570     | 1575      | rVB   | 74632       | 67726      | 3.51%        | 0.261%     |
| 29     | 11.427   | 1584       | 1588     | 1590      | rBV   | 1150443     | 949444     | 49.15%       | 3.660%     |
| 30     | 11.451   | 1590       | 1592     | 1595      | rVV   | 334942      | 252584     | 13.08%       | 0.974%     |
| 31     | 11.504   | 1596       | 1601     | 1604      | rVV   | 312113      | 274240     | 14.20%       | 1.057%     |
| 32     | 11.533   | 1604       | 1606     | 1610      | rVB2  | 29271       | 28183      | 1.46%        | 0.109%     |
| 33     | 11.657   | 1621       | 1627     | 1630      | rBV   | 54974       | 68005      | 3.52%        | 0.262%     |
| 34     | 11.716   | 1635       | 1637     | 1640      | rVV2  | 40683       | 41398      | 2.14%        | 0.160%     |

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 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-02-122718-C

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-BF121918.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 11.757 | 1641 | 1644 | 1649 | rVV4 | 29662   | 39590   | 2.05%  | 0.153% |
| 36 | 11.816 | 1651 | 1654 | 1656 | rVB  | 41103   | 36639   | 1.90%  | 0.141% |
| 37 | 11.927 | 1671 | 1673 | 1675 | rBV  | 98892   | 78754   | 4.08%  | 0.304% |
| 38 | 11.957 | 1675 | 1678 | 1683 | rVB  | 90574   | 90718   | 4.70%  | 0.350% |
| 39 | 12.004 | 1683 | 1686 | 1689 | rBV  | 66801   | 62650   | 3.24%  | 0.242% |
| 40 | 12.045 | 1689 | 1693 | 1695 | rVV  | 186488  | 200194  | 10.36% | 0.772% |
| 41 | 12.063 | 1695 | 1696 | 1700 | rVB  | 82877   | 51501   | 2.67%  | 0.199% |
| 42 | 12.127 | 1704 | 1707 | 1710 | rVB2 | 27614   | 23054   | 1.19%  | 0.089% |
| 43 | 12.222 | 1720 | 1723 | 1725 | rBV  | 74508   | 60132   | 3.11%  | 0.232% |
| 44 | 12.245 | 1725 | 1727 | 1731 | rVB3 | 22407   | 26311   | 1.36%  | 0.101% |
| 45 | 12.404 | 1752 | 1754 | 1756 | rBV  | 30912   | 27794   | 1.44%  | 0.107% |
| 46 | 12.427 | 1756 | 1758 | 1761 | rVB2 | 28693   | 22902   | 1.19%  | 0.088% |
| 47 | 12.480 | 1763 | 1767 | 1768 | rBV  | 73823   | 74984   | 3.88%  | 0.289% |
| 48 | 12.498 | 1768 | 1770 | 1772 | rVV  | 140139  | 137632  | 7.12%  | 0.531% |
| 49 | 12.522 | 1772 | 1774 | 1779 | rVB2 | 127960  | 128031  | 6.63%  | 0.494% |
| 50 | 12.563 | 1779 | 1781 | 1786 | rBV5 | 31889   | 42749   | 2.21%  | 0.165% |
| 51 | 12.639 | 1791 | 1794 | 1798 | rBV  | 1022753 | 881946  | 45.66% | 3.400% |
| 52 | 12.792 | 1818 | 1820 | 1823 | rVB  | 36850   | 33671   | 1.74%  | 0.130% |
| 53 | 12.869 | 1827 | 1833 | 1839 | rBV  | 880182  | 955369  | 49.46% | 3.683% |
| 54 | 12.922 | 1839 | 1842 | 1847 | rVB2 | 36919   | 56118   | 2.91%  | 0.216% |
| 55 | 13.010 | 1850 | 1857 | 1860 | rBV  | 1699179 | 1521120 | 78.74% | 5.864% |
| 56 | 13.092 | 1866 | 1871 | 1874 | rBV2 | 67092   | 104125  | 5.39%  | 0.401% |
| 57 | 13.174 | 1882 | 1885 | 1886 | rBV2 | 45859   | 42277   | 2.19%  | 0.163% |
| 58 | 13.198 | 1886 | 1889 | 1892 | rVB  | 180337  | 152788  | 7.91%  | 0.589% |
| 59 | 13.239 | 1894 | 1896 | 1898 | rBV2 | 31936   | 28208   | 1.46%  | 0.109% |
| 60 | 13.263 | 1898 | 1900 | 1903 | rVB  | 147347  | 118476  | 6.13%  | 0.457% |
| 61 | 13.304 | 1903 | 1907 | 1909 | rBV2 | 101042  | 99943   | 5.17%  | 0.385% |
| 62 | 13.392 | 1920 | 1922 | 1925 | rBV  | 60359   | 61456   | 3.18%  | 0.237% |
| 63 | 13.427 | 1925 | 1928 | 1931 | rVV2 | 61727   | 58567   | 3.03%  | 0.226% |
| 64 | 13.580 | 1951 | 1954 | 1956 | rBV3 | 55046   | 68616   | 3.55%  | 0.265% |
| 65 | 13.845 | 1997 | 1999 | 2001 | rVB  | 65864   | 51325   | 2.66%  | 0.198% |
| 66 | 13.869 | 2001 | 2003 | 2007 | rBV2 | 56096   | 80846   | 4.19%  | 0.312% |
| 67 | 13.910 | 2007 | 2010 | 2015 | rVB2 | 113753  | 139520  | 7.22%  | 0.538% |
| 68 | 14.069 | 2032 | 2037 | 2040 | rBV2 | 1169055 | 1430349 | 74.04% | 5.514% |
| 69 | 14.092 | 2040 | 2041 | 2047 | rVB  | 409588  | 316261  | 16.37% | 1.219% |
| 70 | 14.227 | 2062 | 2064 | 2066 | rBV  | 60858   | 53080   | 2.75%  | 0.205% |
| 71 | 15.127 | 2213 | 2217 | 2220 | rBV  | 269263  | 411119  | 21.28% | 1.585% |

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Misc :  
ALS Vial : 9 Sample Multiplier: 1

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BNA\_F  
ClientSampleId :  
CL-02-122718-C

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-BF121918.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |     |        |        |        |        |
|----|--------|------|------|------|-----|--------|--------|--------|--------|
| 72 | 15.439 | 2267 | 2270 | 2276 | rVB | 157200 | 206554 | 10.69% | 0.796% |
| 73 | 15.498 | 2277 | 2280 | 2287 | rVB | 201042 | 265184 | 13.73% | 1.022% |
| 74 | 15.568 | 2287 | 2292 | 2295 | rBV | 477024 | 640079 | 33.13% | 2.468% |

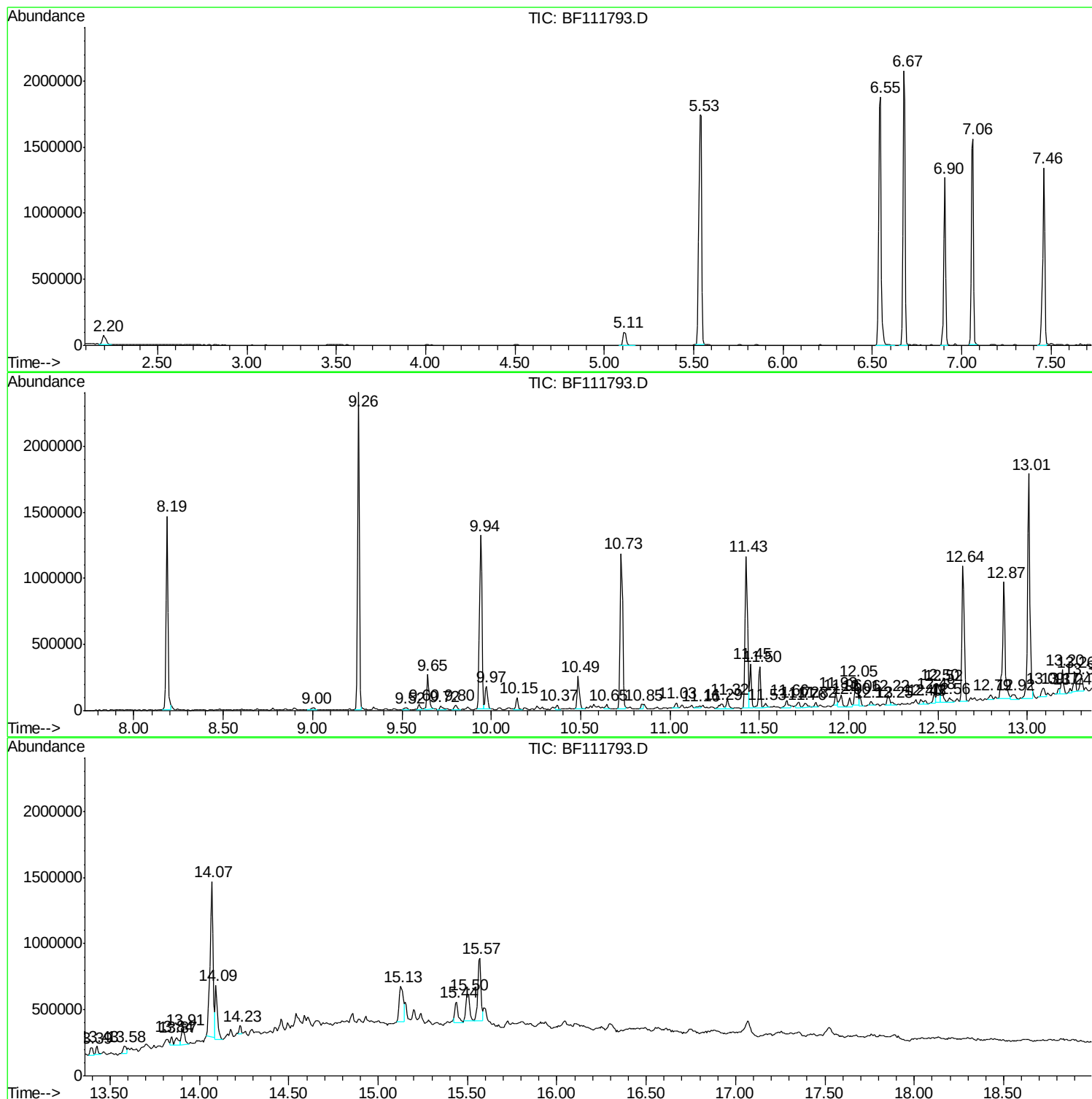
Sum of corrected areas: 25939476

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122818\  
Data File : BF111793.D  
Acq On : 28 Dec 2018 17:18  
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Sample : J6193-15 2X  
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Instrument :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.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\BF122818\  
Data File : BF111793.D  
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Operator : JU/SJ  
Sample : J6193-15 2X  
Misc :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

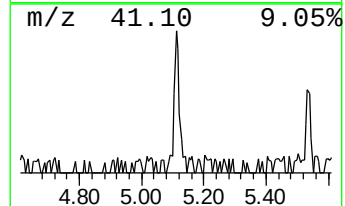
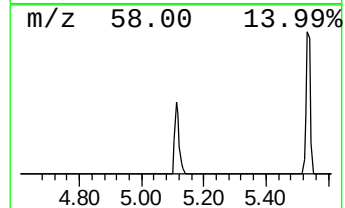
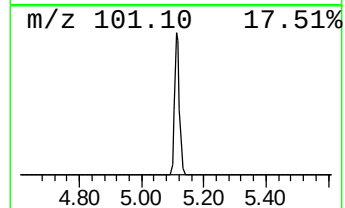
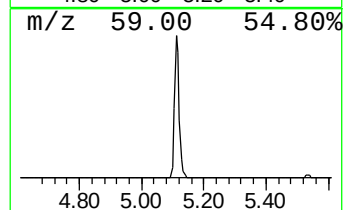
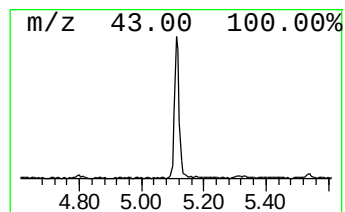
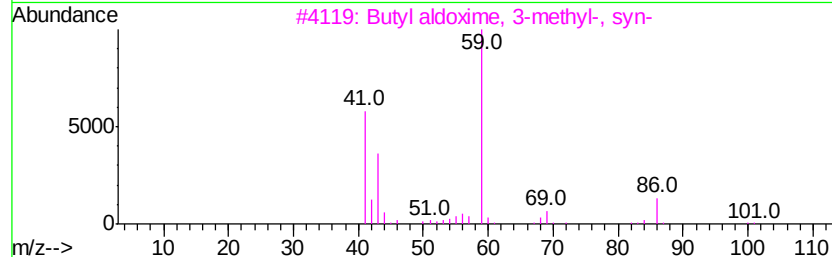
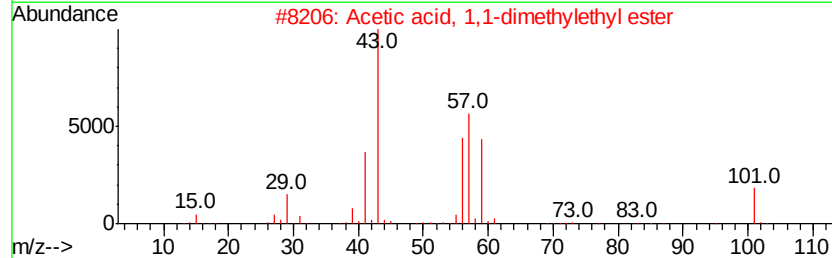
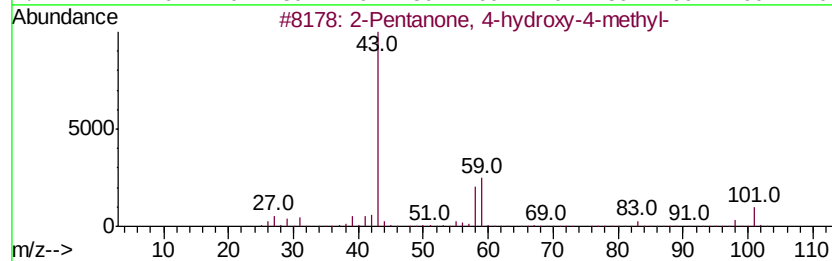
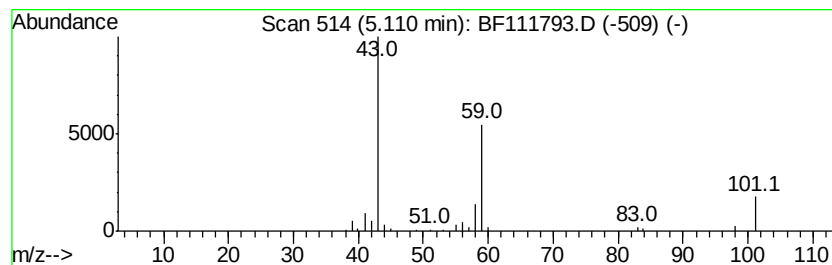
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 5.11 | 2.29 ng | 112437 | 1,4-Dichlorobenzene-d4 | 6.90 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 50   |
| 2    |    |   | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 38   |
| 3    |    |   | Butyl aldoxime, 3-methyl-, syn-     | 101 | C5H11NO | 005780-40-5 | 25   |
| 4    |    |   | 2,3-Butanedione, monooxime          | 101 | C4H7NO2 | 000057-71-6 | 9    |
| 5    |    |   | 1-Butene, 4-ethoxy-                 | 100 | C6H12O  | 044611-46-3 | 9    |



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Instrument :  
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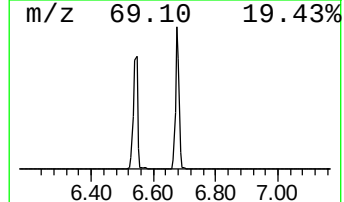
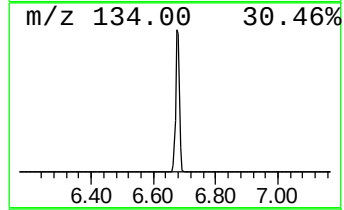
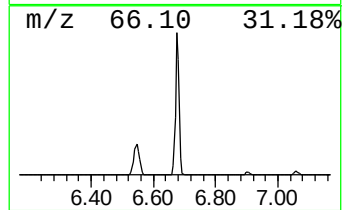
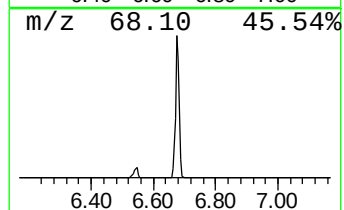
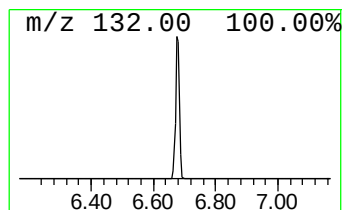
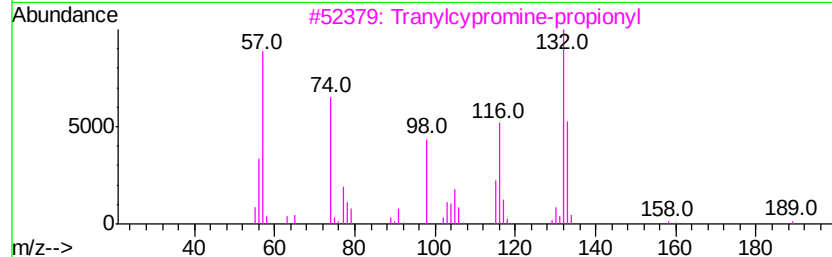
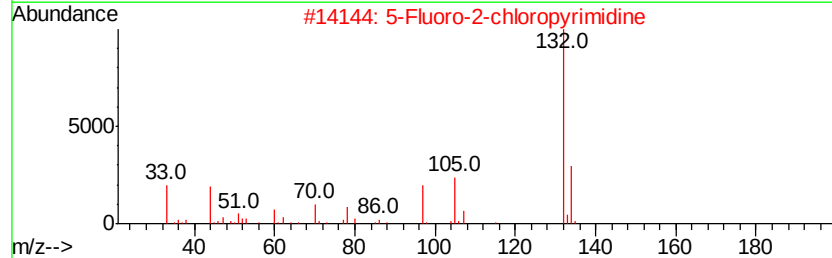
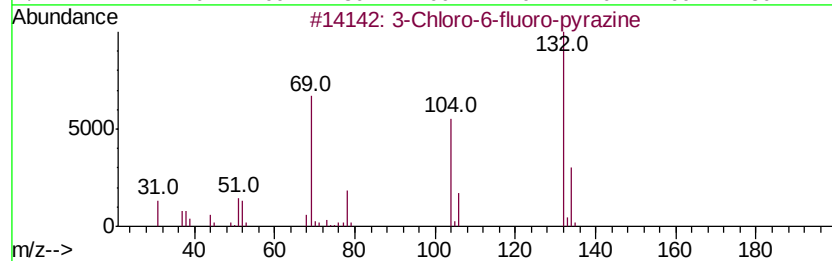
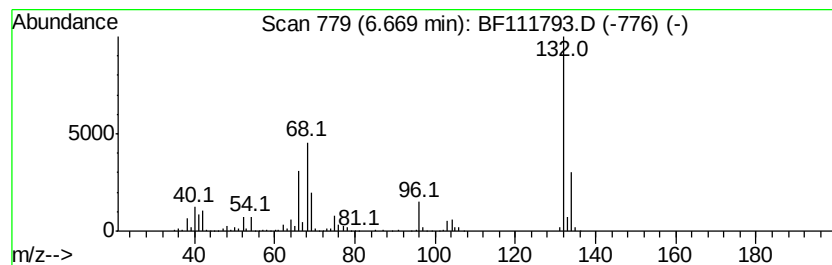
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 unknown6.67 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.67 | 37.47 ng | 1839380 | 1,4-Dichlorobenzene-d4 | 6.90 |

| Hit# | of | Tentative ID                | MW  | MolForm   | CAS#         | Qual |
|------|----|-----------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine  | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0  | 12   |
| 3    |    | Tranvlcypropine-propionyl   | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 4    |    | 1,2,4-Trifluorobenzene      | 132 | C6H3F3    | 000367-23-7  | 9    |
| 5    |    | 1,3,5-Trifluorobenzene      | 132 | C6H3F3    | 000372-38-3  | 9    |



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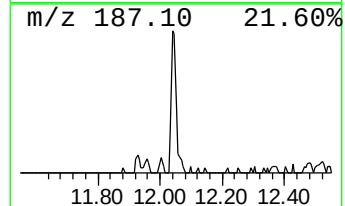
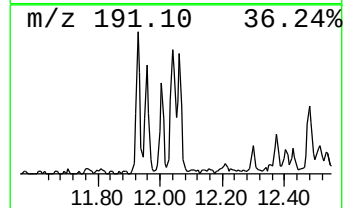
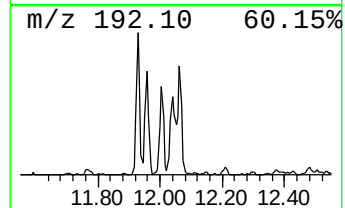
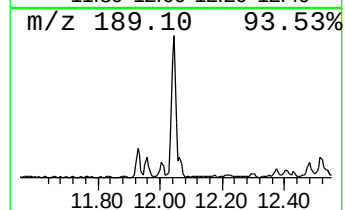
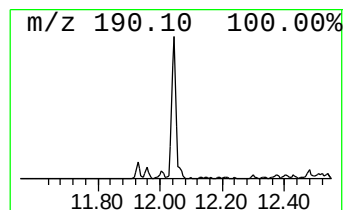
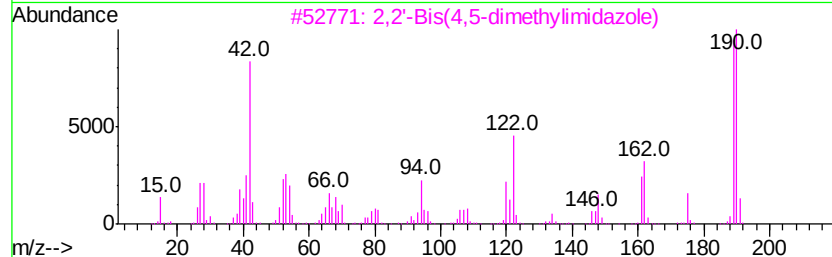
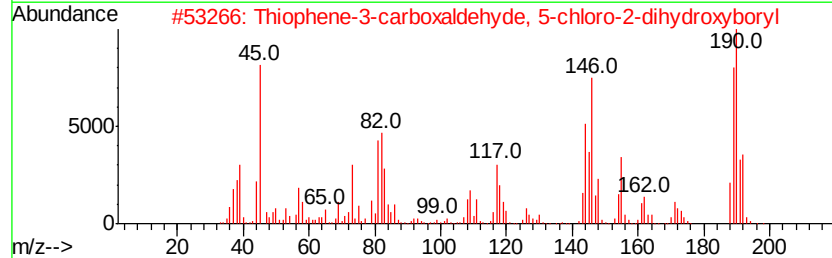
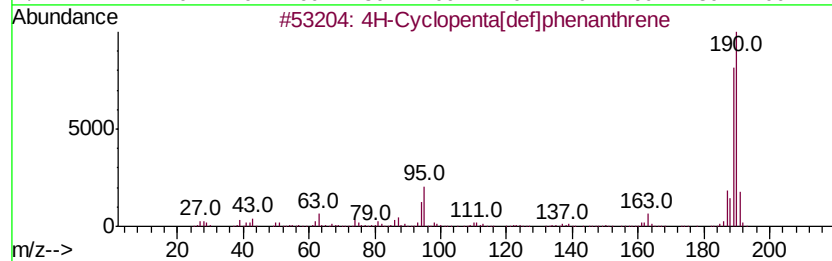
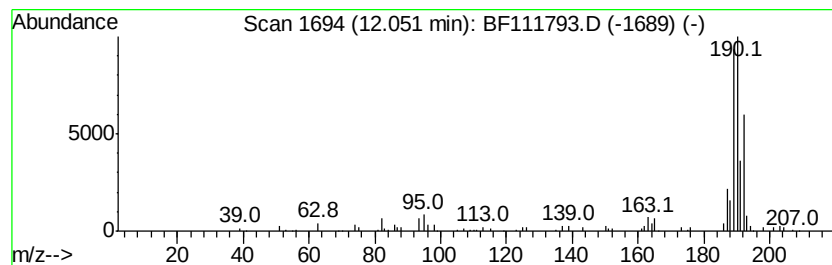
Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-122718-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.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 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

| R.T.    | EstConc | Area                                | Relative to ISTD | R.T.       |             |      |
|---------|---------|-------------------------------------|------------------|------------|-------------|------|
| 12.05   | 4.22 ng | 200194                              | Phenanthrene-d10 | 11.43      |             |      |
| Hit# of | 5       | Tentative ID                        | MW               | MolForm    | CAS#        | Qual |
| 1       |         | 4H-Cyclopenta[def]phenanthrene      | 190              | C15H10     | 000203-64-5 | 81   |
| 2       |         | Thiophene-3-carboxaldehyde, 5-ch... | 190              | C5H4BClO3S | 036155-87-0 | 64   |
| 3       |         | 2,2'-Bis(4,5-dimethylimidazole)     | 190              | C10H14N4   | 069286-06-2 | 45   |
| 4       |         | 6,7-Methylenedioxy-4(3H)-quinazo... | 190              | C9H6N2O3   | 028310-11-4 | 36   |
| 5       |         | Methyl diselenide                   | 190              | C2H6Se2    | 007101-31-7 | 35   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122818\  
Data File : BF111793.D  
Acq On : 28 Dec 2018 17:18  
Operator : JU/SJ  
Sample : J6193-15 2X  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-122718-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

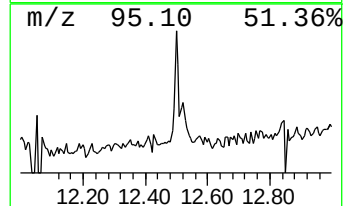
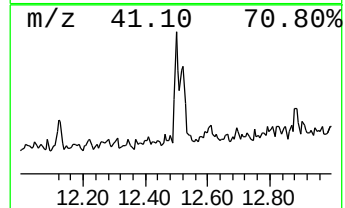
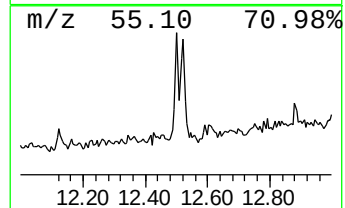
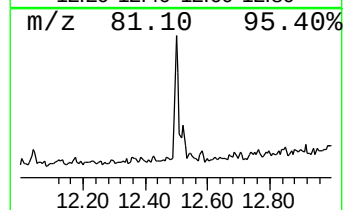
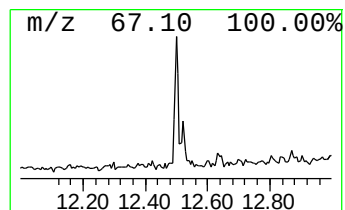
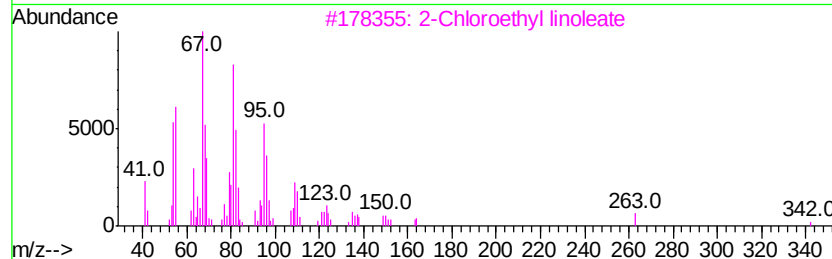
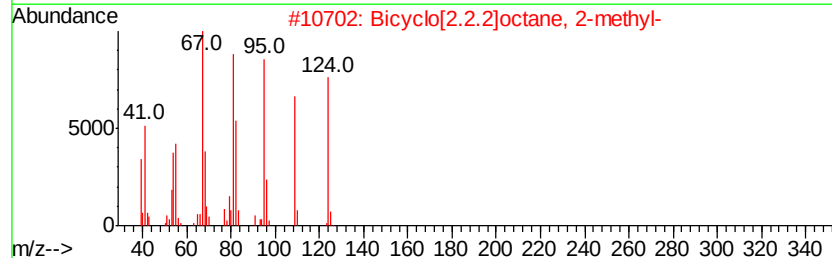
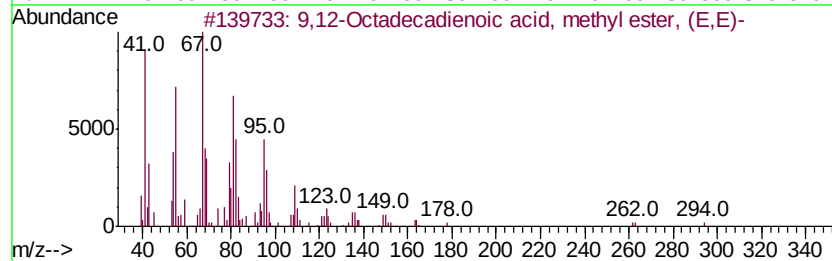
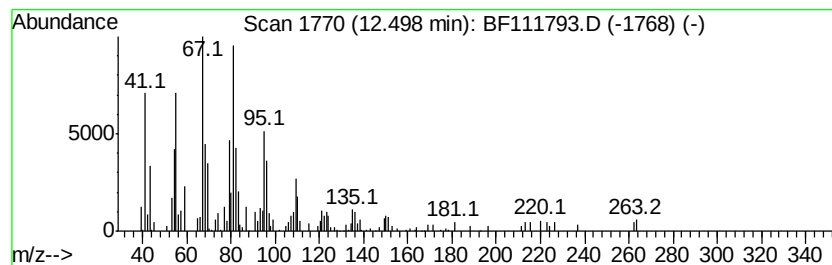
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 9,12-Octadecadienoic acid, ... Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.50 | 2.90 ng | 137632 | Phenanthrene-d10 | 11.43 |

| Hit# of | 5 | Tentative ID                         | MW  | MolForm    | CAS#        | Qual |
|---------|---|--------------------------------------|-----|------------|-------------|------|
| 1       |   | 9,12-Octadecadienoic acid, methyl... | 294 | C19H34O2   | 002566-97-4 | 76   |
| 2       |   | Bicyclo[2.2.2]octane, 2-methyl-      | 124 | C9H16      | 000766-53-0 | 74   |
| 3       |   | 2-Chloroethyl linoleate              | 342 | C20H35ClO2 | 025525-76-2 | 70   |
| 4       |   | 11,14-Eicosadienoic acid, methyl...  | 322 | C21H38O2   | 002463-02-7 | 70   |
| 5       |   | 1,9-Cyclohexadecadiene               | 220 | C16H28     | 004277-06-9 | 70   |





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Sample : J6193-15 2X  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

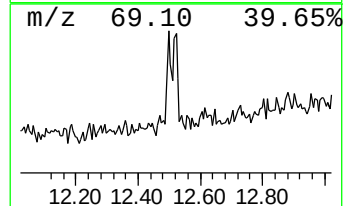
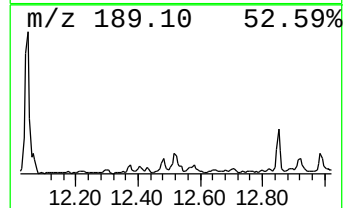
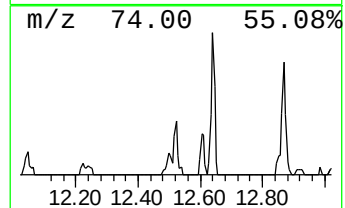
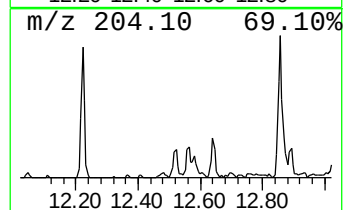
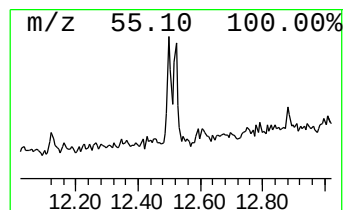
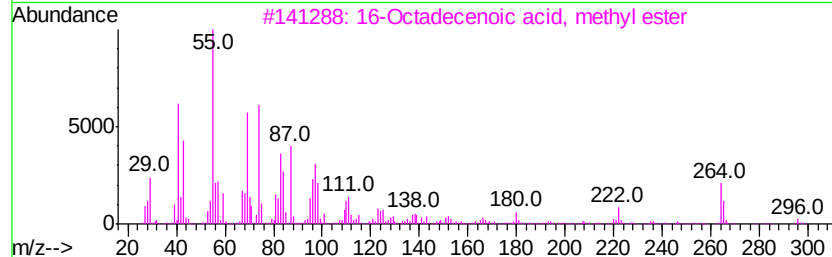
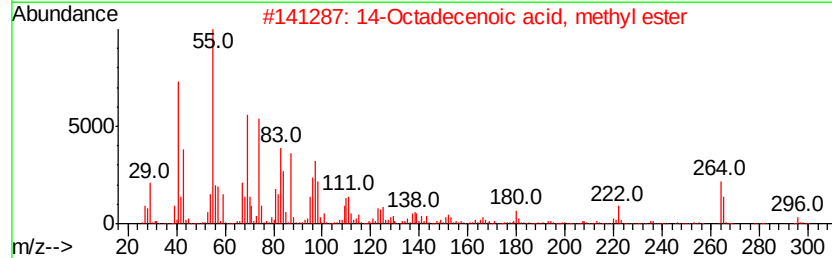
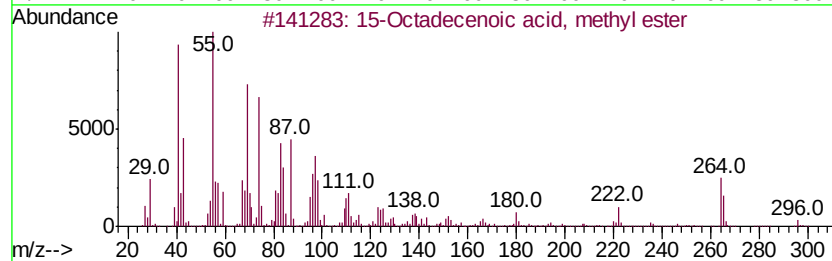
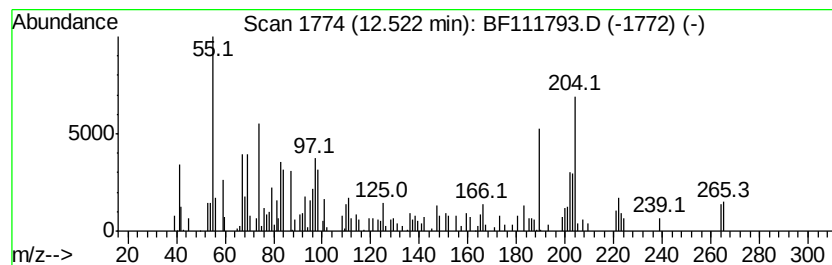
Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-122718-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.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 unknown12.52 Concentration Rank 6

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 12.52     | 2.70 ng                             | 128031 | Phenanthrene-d10 | 11.43       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | 15-Octadecenoic acid, methyl ester  | 296    | C19H36O2         | 004764-72-1 | 25   |
| 2         | 14-Octadecenoic acid, methyl ester  | 296    | C19H36O2         | 056554-48-4 | 25   |
| 3         | 16-Octadecenoic acid, methyl ester  | 296    | C19H36O2         | 056554-49-5 | 25   |
| 4         | 9-Octadecenoic acid (Z)-, methyl... | 296    | C19H36O2         | 000112-62-9 | 22   |
| 5         | 11-Octadecenoic acid, methyl ester  | 296    | C19H36O2         | 052380-33-3 | 22   |



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Operator : JU/SJ  
Sample : J6193-15 2X  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-122718-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

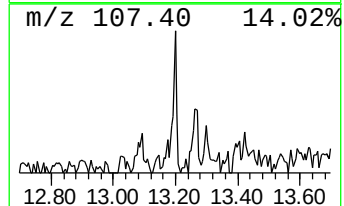
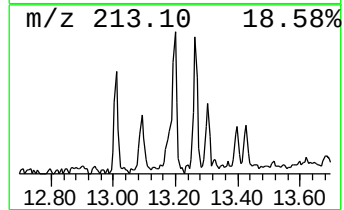
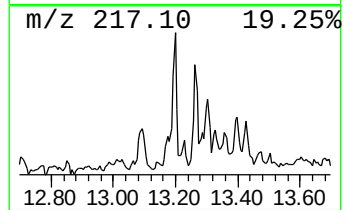
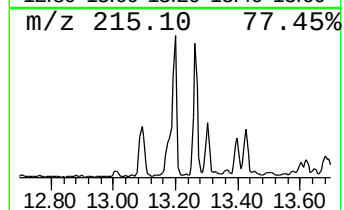
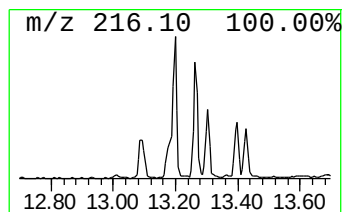
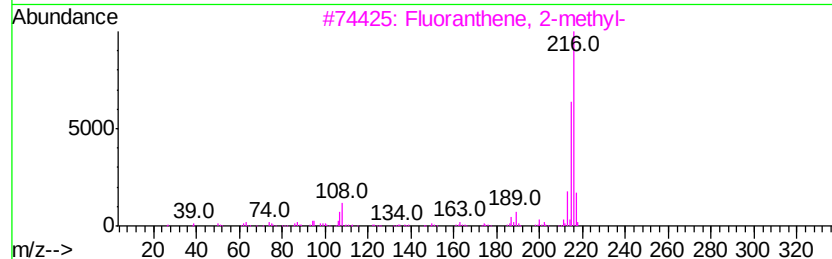
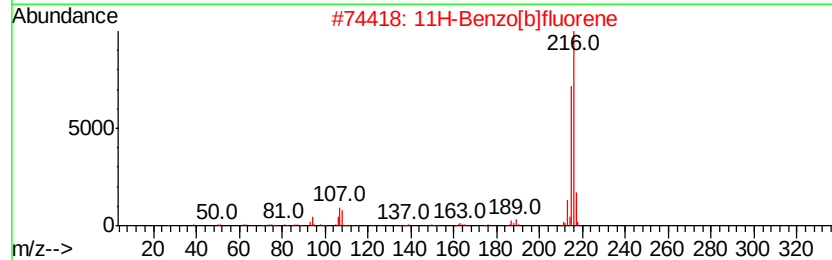
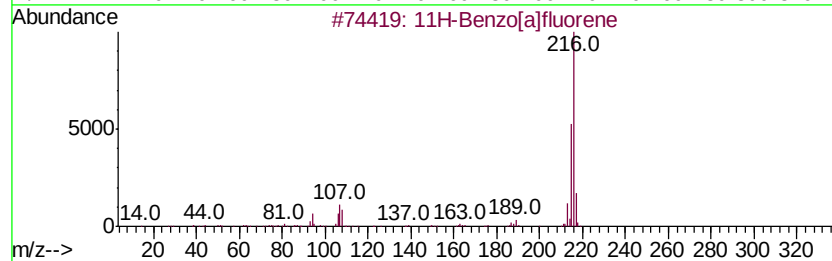
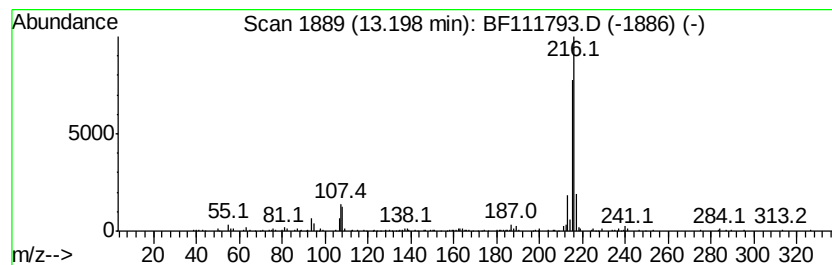
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 11H-Benzo[a]fluorene Concentration Rank 8

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.20 | 2.14 ng | 152788 | Chrysene-d12     | 14.07 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | 11H-Benzo[a]fluorene    | 216 | C17H12  | 000238-84-6 | 91   |
| 2    |    | 11H-Benzo[b]fluorene    | 216 | C17H12  | 000243-17-4 | 90   |
| 3    |    | Fluoranthene, 2-methyl- | 216 | C17H12  | 033543-31-6 | 83   |
| 4    |    | Pyrene, 1-methyl-       | 216 | C17H12  | 002381-21-7 | 74   |
| 5    |    | Pyrene, 4-methyl-       | 216 | C17H12  | 003353-12-6 | 64   |



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Operator : JU/SJ  
Sample : J6193-15 2X  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-122718-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

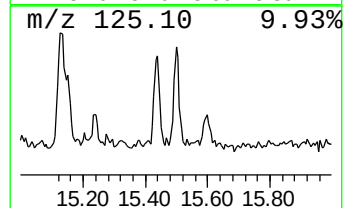
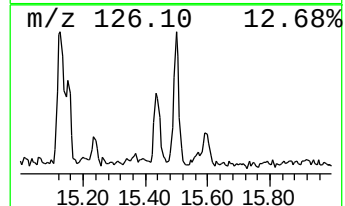
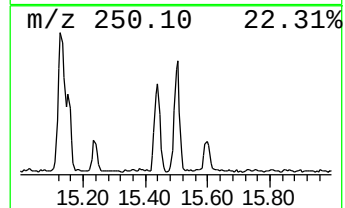
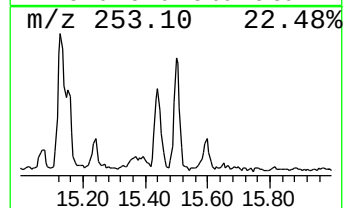
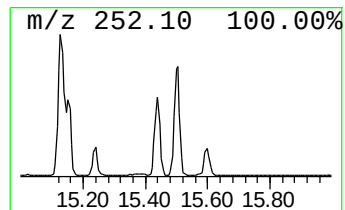
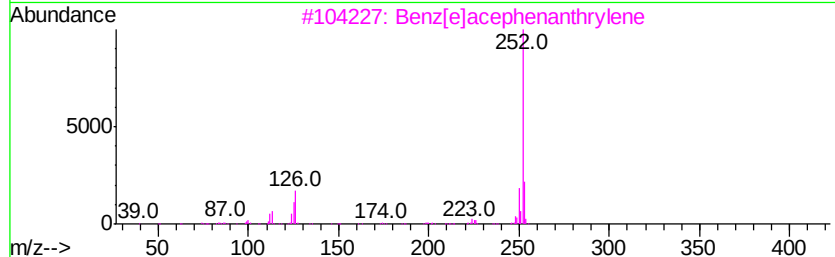
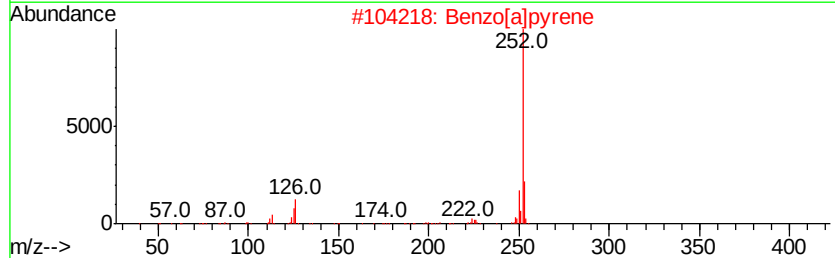
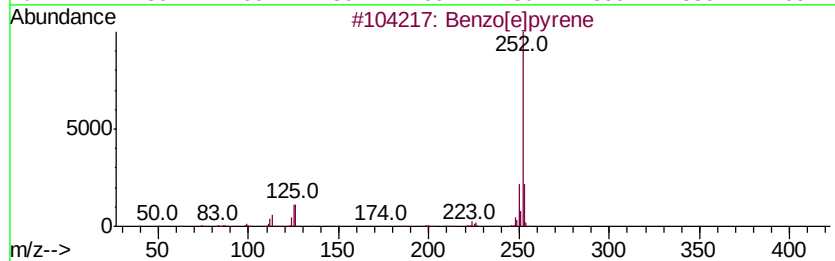
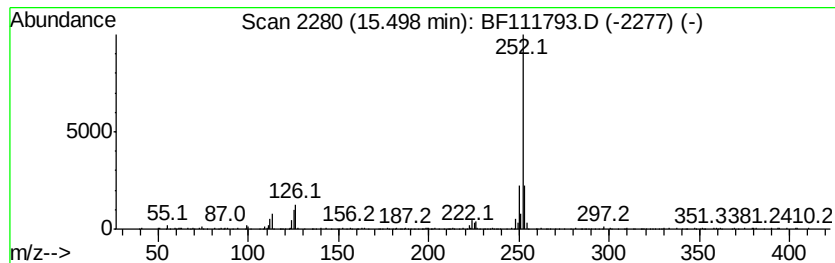
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Benzo[e]pyrene Concentration Rank 3

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.50 | 8.29 ng | 265184 | Perylene-d12     | 15.57 |

| Hit# | of | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzo[e]pyrene           | 252 | C20H12  | 000192-97-2 | 97   |
| 2    |    | Benzo[a]pyrene           | 252 | C20H12  | 000050-32-8 | 97   |
| 3    |    | Benz[e]acephenanthrylene | 252 | C20H12  | 000205-99-2 | 96   |
| 4    |    | Perylene                 | 252 | C20H12  | 000198-55-0 | 94   |
| 5    |    | Benzo[j]fluoranthene     | 252 | C20H12  | 000205-82-3 | 90   |



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Sample : J6193-15 2X  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-122718-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF121918.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 |
| 2-Pentanone, 4-hy... | 5.11  | 2.3     | ng    | 112437   | 1                     | 6.90  | 981851  | 20.0 |
| unknown6.67          | 6.67  | 37.5    | ng    | 1839380  | 1                     | 6.90  | 981851  | 20.0 |
| 4H-Cyclopenta[def... | 12.05 | 4.2     | ng    | 200194   | 4                     | 11.43 | 949444  | 20.0 |
| 9,12-Octadecadien... | 12.50 | 2.9     | ng    | 137632   | 4                     | 11.43 | 949444  | 20.0 |
| unknown12.52         | 12.52 | 2.7     | ng    | 128031   | 4                     | 11.43 | 949444  | 20.0 |
| 11H-Benzo[a]fluorene | 13.20 | 2.1     | ng    | 152788   | 5                     | 14.07 | 1430350 | 20.0 |
| Benzo[e]pyrene       | 15.50 | 8.3     | ng    | 265184   | 6                     | 15.57 | 640079  | 20.0 |