

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\  
 Data File : BF121771.D  
 Acq On : 1 Oct 2020 17:11  
 Operator : JU/CG  
 Sample : L4179-01  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-9(2-3)

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-BF091020.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         | 4.987       | 489           | 493         | 502          | rBV      | 44316          | 56770         | 1.75%           | 0.159%        |
| 2         | 5.393       | 557           | 562         | 583          | rVB      | 2636696        | 2689018       | 82.71%          | 7.529%        |
| 3         | 6.410       | 730           | 735         | 753          | rBV      | 2352176        | 2786697       | 85.72%          | 7.803%        |
| 4         | 6.604       | 765           | 768         | 782          | rBV      | 119968         | 142859        | 4.39%           | 0.400%        |
| 5         | 6.769       | 792           | 796         | 799          | rBV      | 1120875        | 871504        | 26.81%          | 2.440%        |
| 6         | 7.334       | 887           | 892         | 895          | rBV      | 2063710        | 1886181       | 58.02%          | 5.281%        |
| 7         | 8.051       | 1009          | 1014        | 1017         | rBV      | 1332183        | 1119687       | 34.44%          | 3.135%        |
| 8         | 9.128       | 1192          | 1197        | 1200         | rBV      | 3552576        | 3250951       | 100.00%         | 9.103%        |
| 9         | 9.522       | 1260          | 1264        | 1272         | rVB      | 518685         | 418819        | 12.88%          | 1.173%        |
| 10        | 9.663       | 1285          | 1288        | 1293         | rVB      | 118297         | 98660         | 3.03%           | 0.276%        |
| 11        | 9.804       | 1306          | 1312        | 1315         | rBV      | 1496293        | 1231818       | 37.89%          | 3.449%        |
| 12        | 9.833       | 1315          | 1317        | 1321         | rVB      | 57169          | 52041         | 1.60%           | 0.146%        |
| 13        | 10.010      | 1343          | 1347        | 1351         | rBV2     | 34352          | 34656         | 1.07%           | 0.097%        |
| 14        | 10.351      | 1402          | 1405        | 1410         | rVB      | 52882          | 49163         | 1.51%           | 0.138%        |
| 15        | 10.592      | 1442          | 1446        | 1451         | rBV      | 2049948        | 1807014       | 55.58%          | 5.060%        |
| 16        | 10.710      | 1463          | 1466        | 1471         | rBV2     | 35810          | 54871         | 1.69%           | 0.154%        |
| 17        | 11.092      | 1528          | 1531        | 1535         | rVB      | 37234          | 35617         | 1.10%           | 0.100%        |
| 18        | 11.157      | 1535          | 1542        | 1544         | rVV5     | 37869          | 63850         | 1.96%           | 0.179%        |
| 19        | 11.186      | 1544          | 1547        | 1554         | rVB      | 45669          | 51465         | 1.58%           | 0.144%        |
| 20        | 11.286      | 1560          | 1564        | 1566         | rBV      | 1331603        | 1149548       | 35.36%          | 3.219%        |
| 21        | 11.310      | 1566          | 1568        | 1572         | rVV      | 746792         | 596214        | 18.34%          | 1.669%        |
| 22        | 11.363      | 1575          | 1577        | 1580         | rVB      | 166582         | 128647        | 3.96%           | 0.360%        |
| 23        | 11.516      | 1598          | 1603        | 1606         | rBV2     | 71812          | 89062         | 2.74%           | 0.249%        |
| 24        | 11.792      | 1645          | 1650        | 1652         | rBV      | 303610         | 321026        | 9.87%           | 0.899%        |
| 25        | 11.833      | 1652          | 1657        | 1665         | rVV3     | 599656         | 918820        | 28.26%          | 2.573%        |
| 26        | 11.898      | 1665          | 1668        | 1670         | rVV      | 183621         | 201699        | 6.20%           | 0.565%        |
| 27        | 11.922      | 1670          | 1672        | 1677         | rVB      | 100514         | 93119         | 2.86%           | 0.261%        |
| 28        | 12.080      | 1696          | 1699        | 1702         | rBV      | 84788          | 82411         | 2.53%           | 0.231%        |
| 29        | 12.110      | 1702          | 1704        | 1708         | rVB2     | 96380          | 83587         | 2.57%           | 0.234%        |
| 30        | 12.263      | 1727          | 1730        | 1732         | rBV      | 95252          | 77972         | 2.40%           | 0.218%        |
| 31        | 12.339      | 1739          | 1743        | 1745         | rBV      | 82948          | 85099         | 2.62%           | 0.238%        |
| 32        | 12.374      | 1745          | 1749        | 1751         | rVV3     | 69140          | 82716         | 2.54%           | 0.232%        |
| 33        | 12.422      | 1754          | 1757        | 1762         | rVV      | 91917          | 96199         | 2.96%           | 0.269%        |
| 34        | 12.498      | 1765          | 1770        | 1774         | rVV      | 1199493        | 1155255       | 35.54%          | 3.235%        |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF100120\  
 Data File : BF121771.D  
 Acq On : 1 Oct 2020 17:11  
 Operator : JU/CG  
 Sample : L4179-01  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-9(2-3)

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-BF091020.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 12.545 | 1774 | 1778 | 1784 | rVV2 | 104219  | 178703  | 5.50%  | 0.500% |
| 36 | 12.592 | 1784 | 1786 | 1789 | rVV  | 67902   | 57012   | 1.75%  | 0.160% |
| 37 | 12.645 | 1791 | 1795 | 1803 | rVB5 | 41222   | 82803   | 2.55%  | 0.232% |
| 38 | 12.727 | 1803 | 1809 | 1812 | rBV  | 1020806 | 1030439 | 31.70% | 2.885% |
| 39 | 12.774 | 1815 | 1817 | 1821 | rVB2 | 47174   | 46071   | 1.42%  | 0.129% |
| 40 | 12.810 | 1821 | 1823 | 1826 | rVB  | 72923   | 59345   | 1.83%  | 0.166% |
| 41 | 12.845 | 1826 | 1829 | 1830 | rBV2 | 68148   | 66306   | 2.04%  | 0.186% |
| 42 | 12.874 | 1830 | 1834 | 1837 | rVV  | 3101977 | 2765685 | 85.07% | 7.744% |
| 43 | 12.945 | 1841 | 1846 | 1849 | rBV2 | 88046   | 137686  | 4.24%  | 0.386% |
| 44 | 13.033 | 1858 | 1861 | 1863 | rBV4 | 67361   | 90879   | 2.80%  | 0.254% |
| 45 | 13.057 | 1863 | 1865 | 1868 | rVB  | 138629  | 117655  | 3.62%  | 0.329% |
| 46 | 13.104 | 1868 | 1873 | 1874 | rBV2 | 76159   | 83378   | 2.56%  | 0.233% |
| 47 | 13.121 | 1874 | 1876 | 1878 | rVB  | 71947   | 57523   | 1.77%  | 0.161% |
| 48 | 13.157 | 1878 | 1882 | 1885 | rBV2 | 126018  | 125747  | 3.87%  | 0.352% |
| 49 | 13.216 | 1890 | 1892 | 1895 | rBV2 | 31432   | 37683   | 1.16%  | 0.106% |
| 50 | 13.251 | 1895 | 1898 | 1901 | rVB  | 73081   | 51206   | 1.58%  | 0.143% |
| 51 | 13.280 | 1901 | 1903 | 1907 | rBV  | 73122   | 79462   | 2.44%  | 0.223% |
| 52 | 13.445 | 1928 | 1931 | 1934 | rBV3 | 60090   | 61362   | 1.89%  | 0.172% |
| 53 | 13.480 | 1935 | 1937 | 1940 | rVB  | 99520   | 89486   | 2.75%  | 0.251% |
| 54 | 13.563 | 1948 | 1951 | 1955 | rVB  | 151216  | 127133  | 3.91%  | 0.356% |
| 55 | 13.674 | 1967 | 1970 | 1972 | rBV2 | 88353   | 87693   | 2.70%  | 0.246% |
| 56 | 13.698 | 1972 | 1974 | 1977 | rVB  | 69152   | 60245   | 1.85%  | 0.169% |
| 57 | 13.727 | 1977 | 1979 | 1984 | rBV2 | 49049   | 69761   | 2.15%  | 0.195% |
| 58 | 13.780 | 1984 | 1988 | 1997 | rBV2 | 332288  | 611589  | 18.81% | 1.713% |
| 59 | 13.927 | 2007 | 2013 | 2015 | rBV2 | 1093151 | 1467704 | 45.15% | 4.110% |
| 60 | 13.951 | 2015 | 2017 | 2020 | rVB  | 553176  | 396968  | 12.21% | 1.112% |
| 61 | 14.027 | 2028 | 2030 | 2033 | rBV  | 51423   | 40883   | 1.26%  | 0.114% |
| 62 | 14.310 | 2076 | 2078 | 2081 | rVB  | 107661  | 89294   | 2.75%  | 0.250% |
| 63 | 14.345 | 2082 | 2084 | 2088 | rBV2 | 60804   | 68810   | 2.12%  | 0.193% |
| 64 | 14.398 | 2090 | 2093 | 2095 | rBV  | 135547  | 117024  | 3.60%  | 0.328% |
| 65 | 14.433 | 2095 | 2099 | 2102 | rBV3 | 123734  | 169648  | 5.22%  | 0.475% |
| 66 | 14.839 | 2165 | 2168 | 2171 | rVB  | 172926  | 169739  | 5.22%  | 0.475% |
| 67 | 14.951 | 2183 | 2187 | 2194 | rBV  | 547208  | 994269  | 30.58% | 2.784% |
| 68 | 15.021 | 2196 | 2199 | 2202 | rVV  | 268134  | 294619  | 9.06%  | 0.825% |
| 69 | 15.063 | 2202 | 2206 | 2216 | rVB2 | 196891  | 464485  | 14.29% | 1.301% |
| 70 | 15.245 | 2233 | 2237 | 2243 | rVB  | 294993  | 407261  | 12.53% | 1.140% |
| 71 | 15.304 | 2243 | 2247 | 2252 | rBV  | 454554  | 520857  | 16.02% | 1.458% |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF100120\  
Data File : BF121771.D  
Acq On : 1 Oct 2020 17:11  
Operator : JU/CG  
Sample : L4179-01  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-9(2-3)

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-BF091020.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 72 | 15.368 | 2253 | 2258 | 2261 | rBV  | 762010 | 972417 | 29.91% | 2.723% |
| 73 | 15.586 | 2292 | 2295 | 2299 | rVB3 | 124697 | 140947 | 4.34%  | 0.395% |
| 74 | 15.810 | 2329 | 2333 | 2338 | rVB  | 241063 | 336847 | 10.36% | 0.943% |
| 75 | 16.780 | 2493 | 2498 | 2506 | rBV2 | 216680 | 394326 | 12.13% | 1.104% |
| 76 | 17.204 | 2566 | 2570 | 2578 | rVB  | 163911 | 310754 | 9.56%  | 0.870% |
| 77 | 17.351 | 2591 | 2595 | 2604 | rVB4 | 134916 | 318487 | 9.80%  | 0.892% |

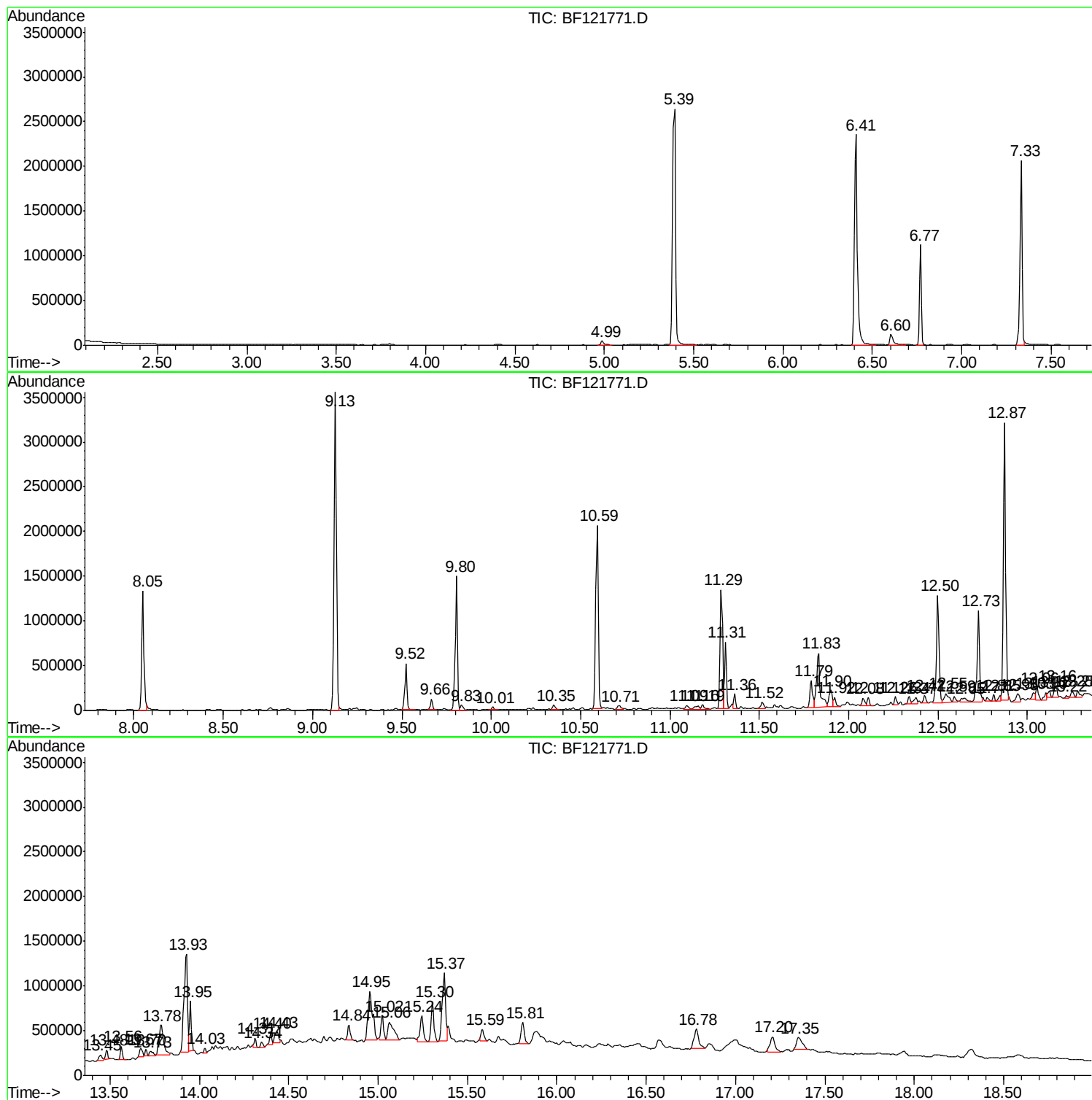
Sum of corrected areas: 35713206

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\  
Data File : BF121771.D  
Acq On : 1 Oct 2020 17:11  
Operator : JU/CG  
Sample : L4179-01  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
B-9(2-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.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\BF100120\  
Data File : BF121771.D  
Acq On : 1 Oct 2020 17:11  
Operator : JU/CG  
Sample : L4179-01  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-9(2-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

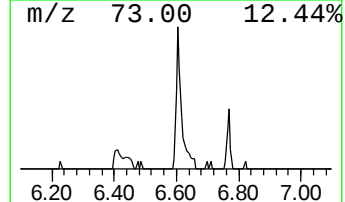
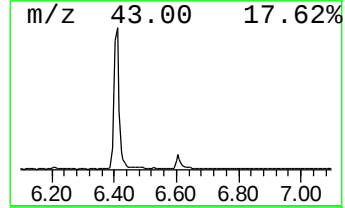
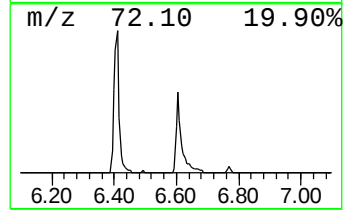
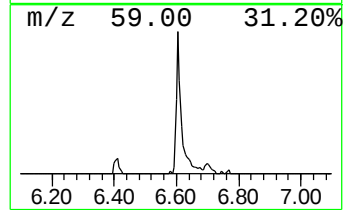
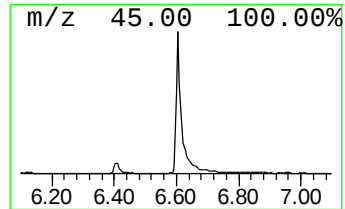
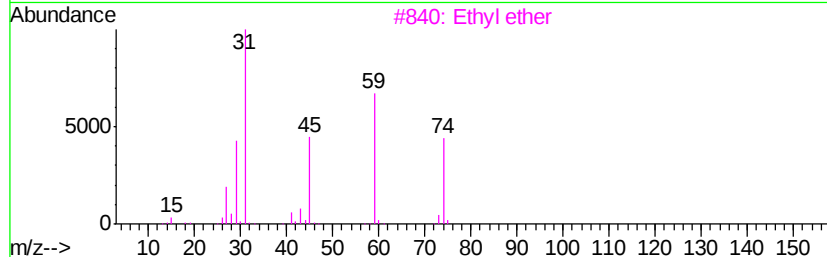
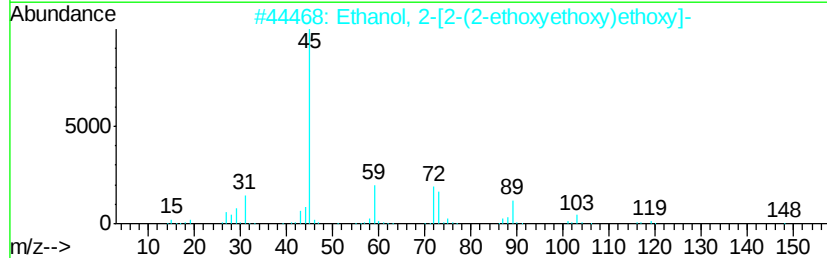
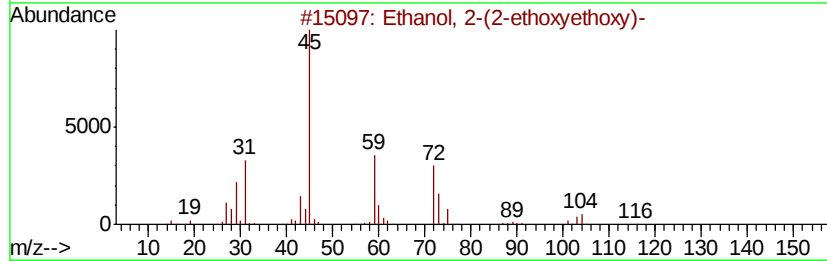
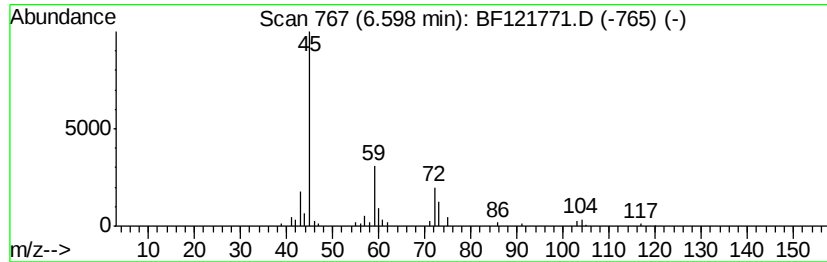
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 Ethanol, 2-(2-ethoxyethoxy)- Concentration Rank 10

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 6.60 | 3.28 ng | 142859 | 1,4-Dichlorobenzene-d4 | 6.77 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Ethanol, 2-(2-ethoxyethoxy)-        | 134 | C6H14O3 | 000111-90-0 | 83   |
| 2    |    | Ethanol, 2-[2-(2-ethoxyethoxy)et... | 178 | C8H18O4 | 000112-50-5 | 64   |
| 3    |    | Ethyl ether                         | 74  | C4H10O  | 000060-29-7 | 40   |
| 4    |    | 2-Propanol, 1-(1-methoxyethoxy)-    | 118 | C6H14O2 | 003944-36-3 | 38   |
| 5    |    | 1-Butene, 4-methoxy                 | 86  | C5H10O  | 004696-30-4 | 37   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\  
Data File : BF121771.D  
Acq On : 1 Oct 2020 17:11  
Operator : JU/CG  
Sample : L4179-01  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

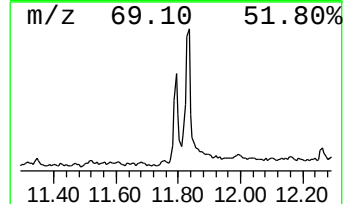
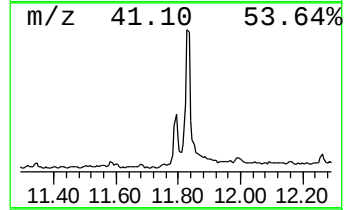
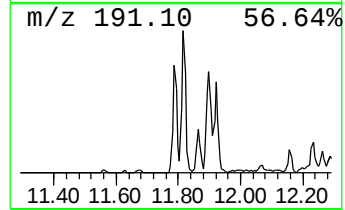
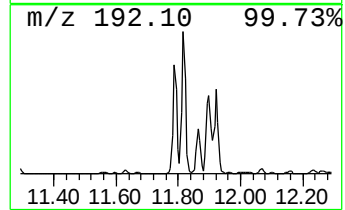
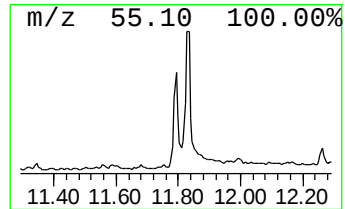
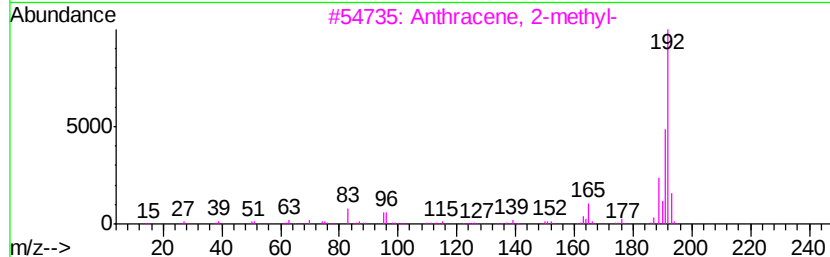
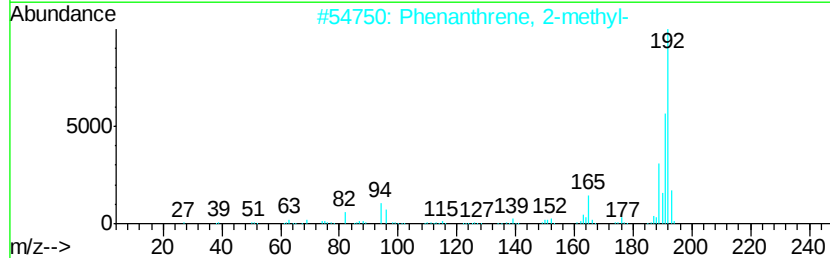
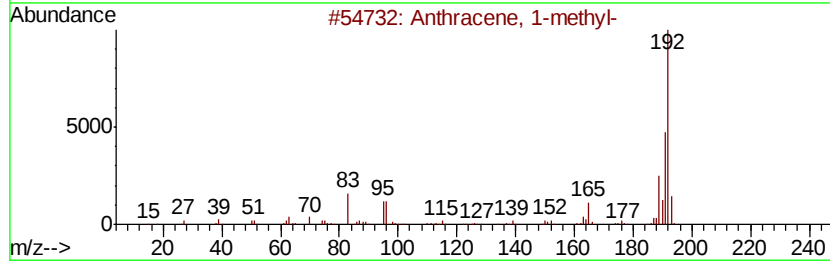
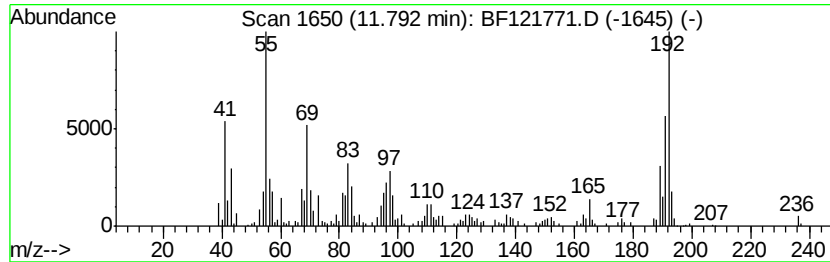
Instrument :  
BNA\_F  
ClientSampleId :  
B-9(2-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 Anthracene, 1-methyl- Concentration Rank 7

| R.T.      | EstConc                 | Area   | Relative to ISTD |             | R.T.  |
|-----------|-------------------------|--------|------------------|-------------|-------|
| 11.79     | 5.59 ng                 | 321026 | Phenanthrene-d10 |             | 11.29 |
| Hit# of 5 | Tentative ID            | MW     | MolForm          | CAS#        | Qual  |
| 1         | Anthracene, 1-methyl-   | 192    | C15H12           | 000610-48-0 | 96    |
| 2         | Phenanthrene, 2-methyl- | 192    | C15H12           | 002531-84-2 | 96    |
| 3         | Anthracene, 2-methyl-   | 192    | C15H12           | 000613-12-7 | 95    |
| 4         | Anthracene, 9-methyl-   | 192    | C15H12           | 000779-02-2 | 95    |
| 5         | Phenanthrene, 3-methyl- | 192    | C15H12           | 000832-71-3 | 95    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\  
Data File : BF121771.D  
Acq On : 1 Oct 2020 17:11  
Operator : JU/CG  
Sample : L4179-01  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

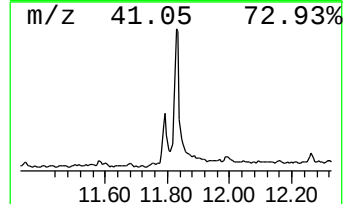
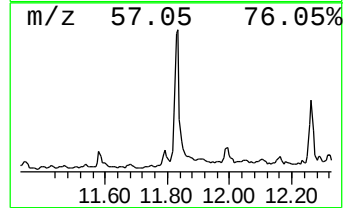
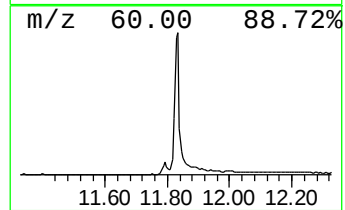
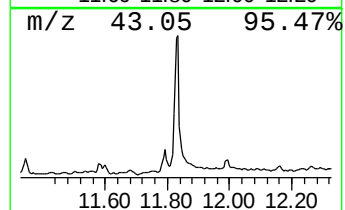
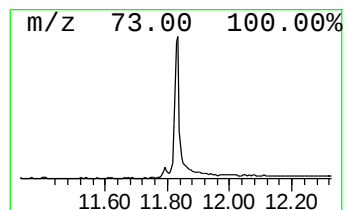
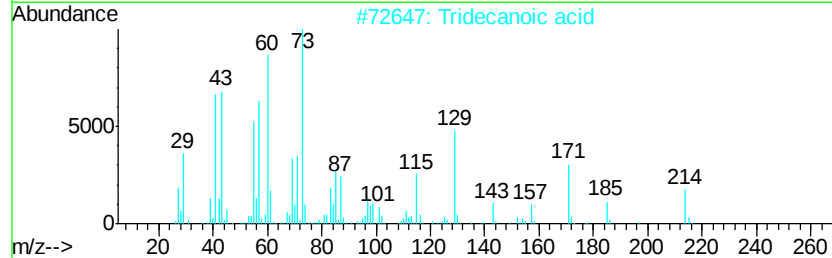
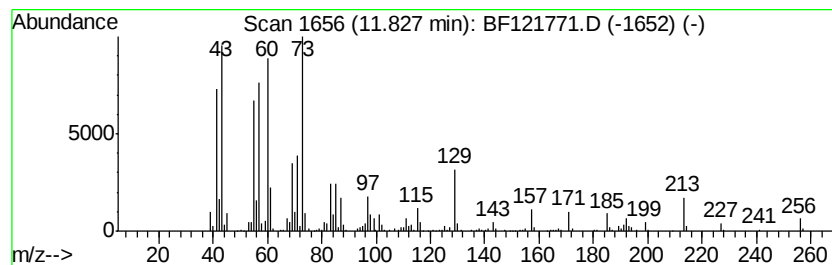
Instrument :  
BNA\_F  
ClientSampleId :  
B-9(2-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 n-Hexadecanoic acid Concentration Rank 1

| R.T.    | EstConc  | Area                | Relative to ISTD |          | R.T.        |      |
|---------|----------|---------------------|------------------|----------|-------------|------|
| 11.83   | 15.99 ng | 918820              | Phenanthrene-d10 |          | 11.29       |      |
| Hit# of | 5        | Tentative ID        | MW               | MolForm  | CAS#        | Qual |
| 1       |          | n-Hexadecanoic acid | 256              | C16H32O2 | 000057-10-3 | 99   |
| 2       |          | Tridecanoic acid    | 214              | C13H26O2 | 000638-53-9 | 95   |
| 3       |          | Pentadecanoic acid  | 242              | C15H30O2 | 001002-84-2 | 91   |
| 4       |          | n-Decanoic acid     | 172              | C10H20O2 | 000334-48-5 | 70   |
| 5       |          | Tetradecanoic acid  | 228              | C14H28O2 | 000544-63-8 | 62   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\  
Data File : BF121771.D  
Acq On : 1 Oct 2020 17:11  
Operator : JU/CG  
Sample : L4179-01  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

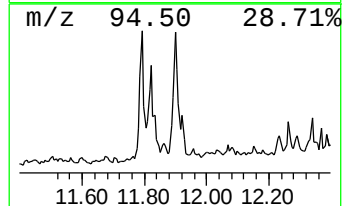
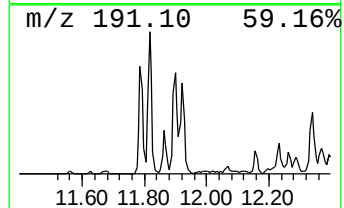
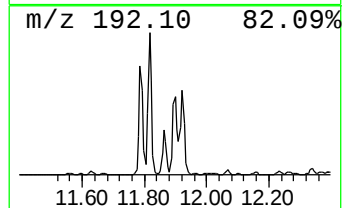
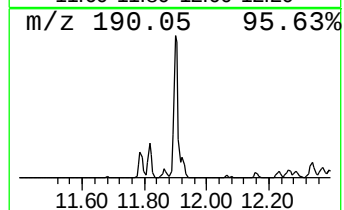
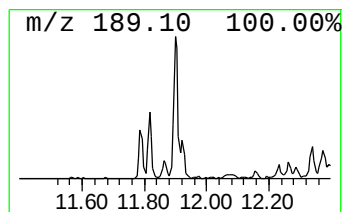
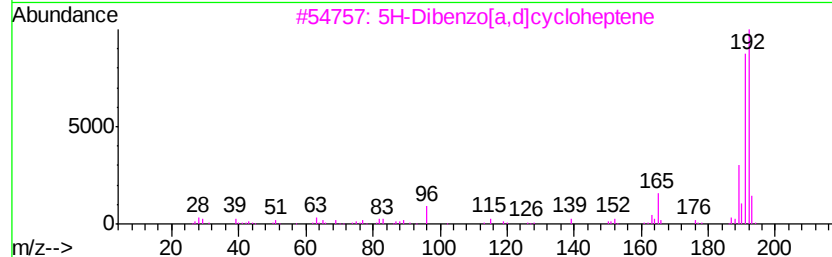
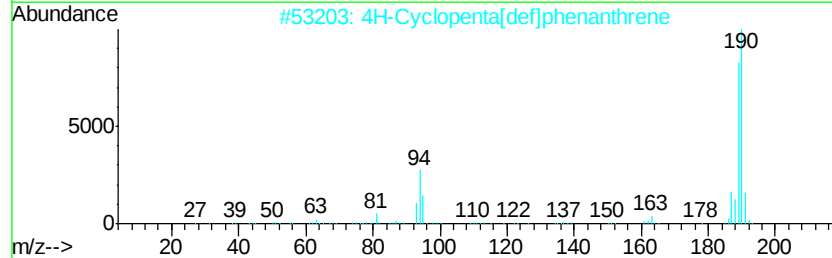
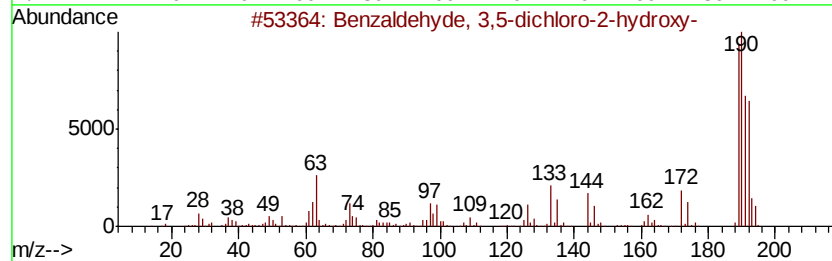
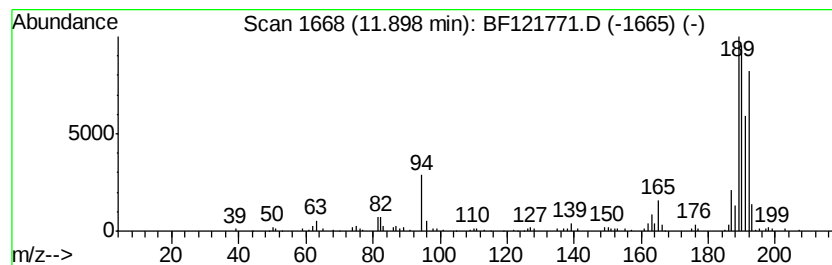
Instrument :  
BNA\_F  
ClientSampleId :  
B-9(2-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 4 Benzaldehyde, 3,5-dichloro-... Concentration Rank 8

| R.T.      | EstConc                             | Area   | Relative to ISTD |             | R.T.  |
|-----------|-------------------------------------|--------|------------------|-------------|-------|
| 11.90     | 3.51 ng                             | 201699 | Phenanthrene-d10 |             | 11.29 |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual  |
| 1         | Benzaldehyde, 3,5-dichloro-2-hyd... | 190    | C7H4Cl2O2        | 000090-60-8 | 72    |
| 2         | 4H-Cyclopenta[def]phenanthrene      | 190    | C15H10           | 000203-64-5 | 60    |
| 3         | 5H-Dibenzo[a,d]cycloheptene         | 192    | C15H12           | 000256-81-5 | 42    |
| 4         | Phenanthrene, 1-methyl-             | 192    | C15H12           | 000832-69-9 | 38    |
| 5         | Phenanthrene, 4-methyl-             | 192    | C15H12           | 000832-64-4 | 38    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\  
Data File : BF121771.D  
Acq On : 1 Oct 2020 17:11  
Operator : JU/CG  
Sample : L4179-01  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

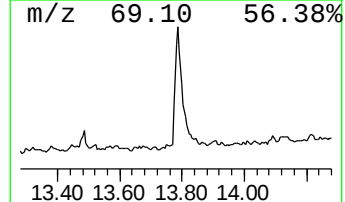
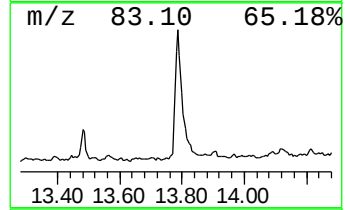
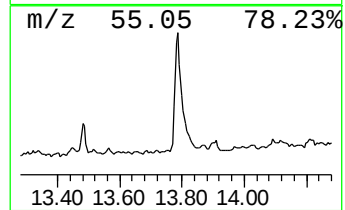
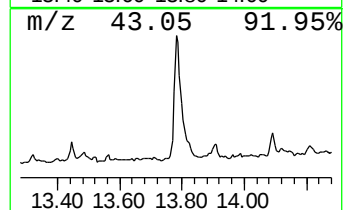
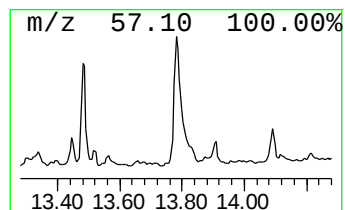
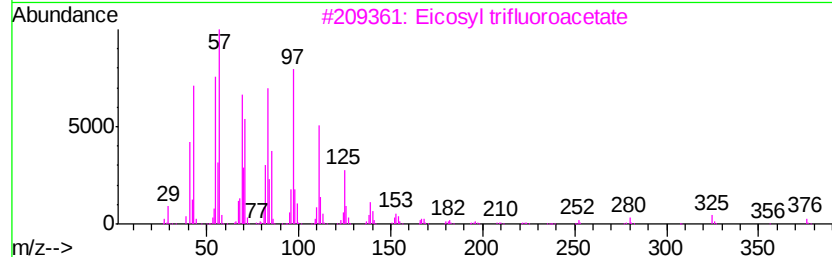
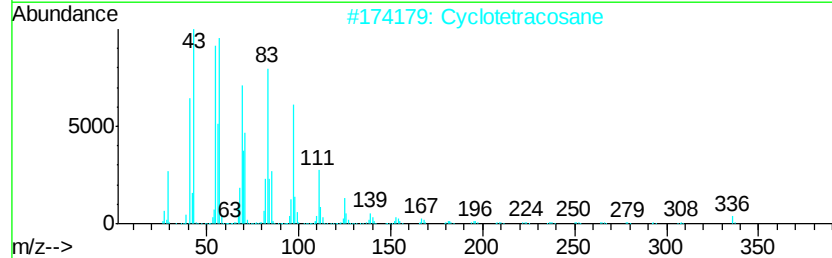
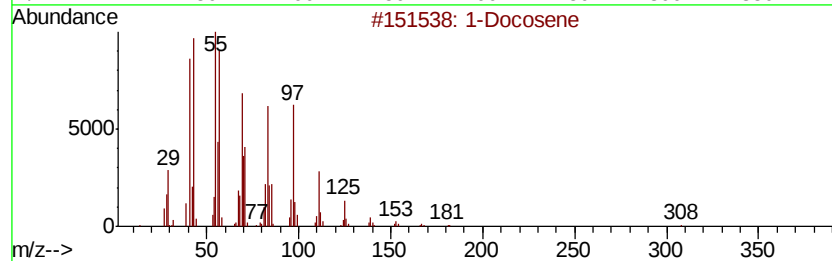
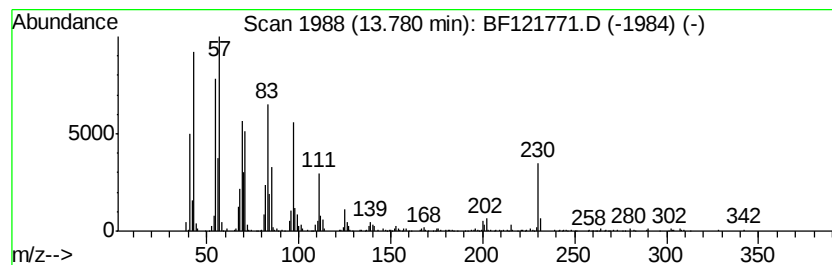
Instrument :  
BNA\_F  
ClientSampleId :  
B-9(2-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 5 1-Docosene Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD                    |     | R.T.       |              |      |
|-------|---------|--------|-------------------------------------|-----|------------|--------------|------|
| 13.78 | 8.33 ng | 611589 | Chrysene-d12                        |     | 13.93      |              |      |
| Hit#  | of      | 5      | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
| 1     |         |        | 1-Docosene                          | 308 | C22H44     | 001599-67-3  | 99   |
| 2     |         |        | Cyclotetracosane                    | 336 | C24H48     | 000297-03-0  | 93   |
| 3     |         |        | Eicosyl trifluoroacetate            | 394 | C22H41F3O2 | 1000351-75-2 | 90   |
| 4     |         |        | Heptafluorobutyric acid, hexadec... | 438 | C20H33F7O2 | 006385-15-5  | 90   |
| 5     |         |        | Heptafluorobutyric acid, pentade... | 424 | C19H31F7O2 | 959261-23-5  | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\  
Data File : BF121771.D  
Acq On : 1 Oct 2020 17:11  
Operator : JU/CG  
Sample : L4179-01  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

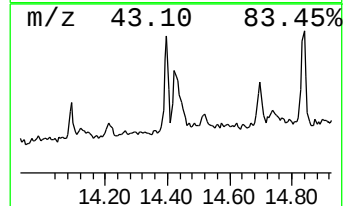
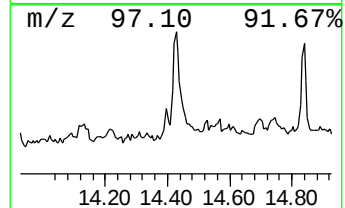
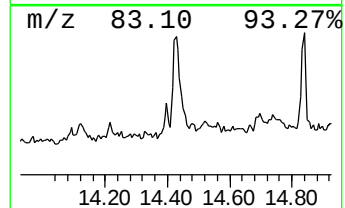
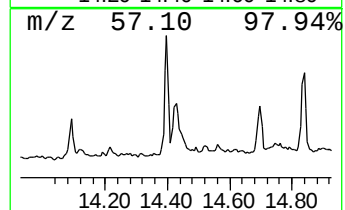
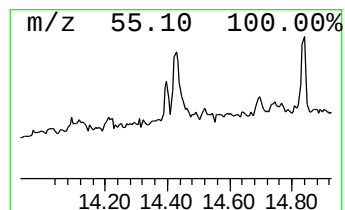
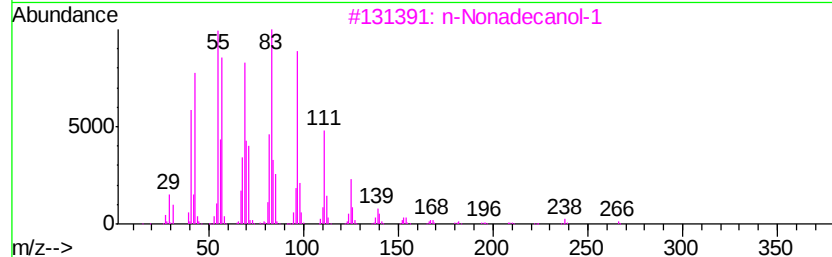
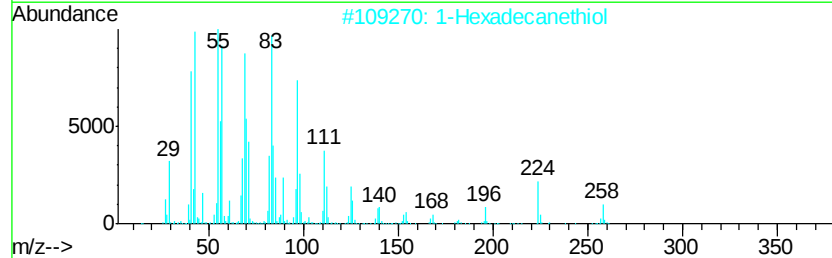
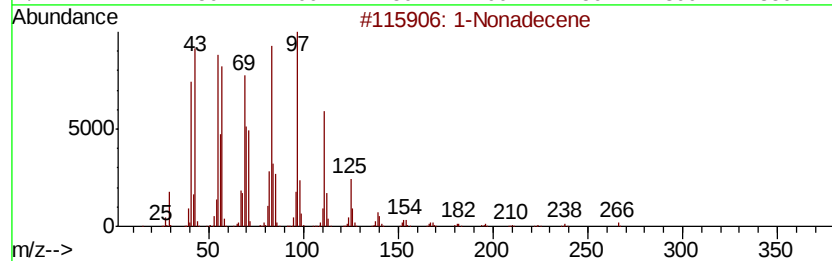
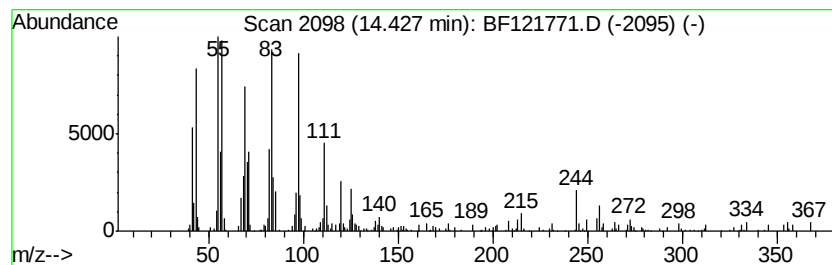
Instrument :  
BNA\_F  
ClientSampleId :  
B-9(2-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 6 1-Nonadecene Concentration Rank 12

| R.T.      | EstConc                                                       | Area   | Relative to ISTD | R.T.        |      |
|-----------|---------------------------------------------------------------|--------|------------------|-------------|------|
| 14.43     | 2.31 ng                                                       | 169648 | Chrysene-d12     | 13.93       |      |
| Hit# of 5 | Tentative ID                                                  | MW     | MolForm          | CAS#        | Qual |
| 1         | 1-Nonadecene                                                  | 266    | C19H38           | 018435-45-5 | 59   |
| 2         | 1-Hexadecanethiol                                             | 258    | C16H34S          | 002917-26-2 | 53   |
| 3         | n-Nonadecanol-1                                               | 284    | C19H40O          | 001454-84-8 | 50   |
| 4         | Dodecane, 1-cyclopentyl-4-(3-cyclopentyl-4-oxobut-1-en-1-yl)- | 348    | C25H48           | 007225-68-5 | 49   |
| 5         | Cyclohexane, 1,2-dimethyl-3-pentyl-                           | 224    | C16H32           | 062376-17-4 | 46   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\  
Data File : BF121771.D  
Acq On : 1 Oct 2020 17:11  
Operator : JU/CG  
Sample : L4179-01  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-9(2-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

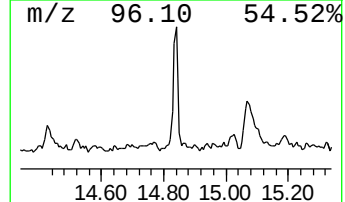
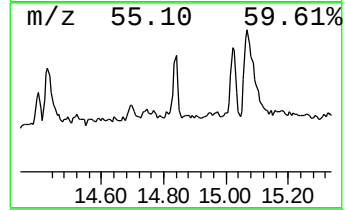
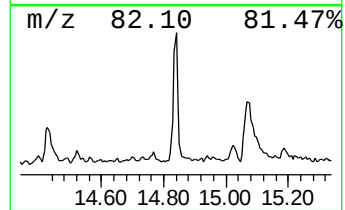
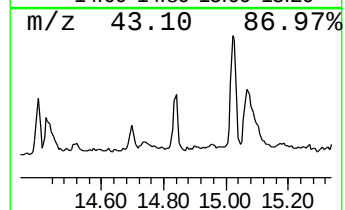
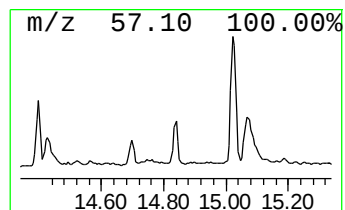
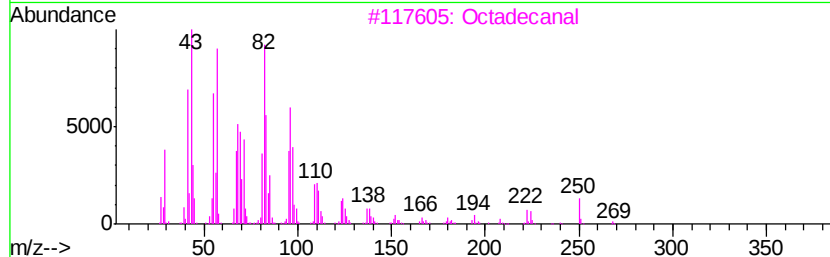
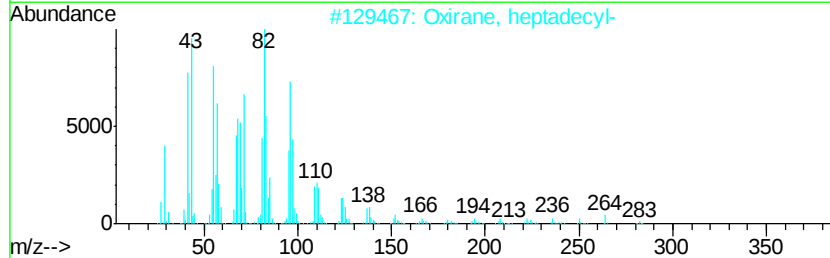
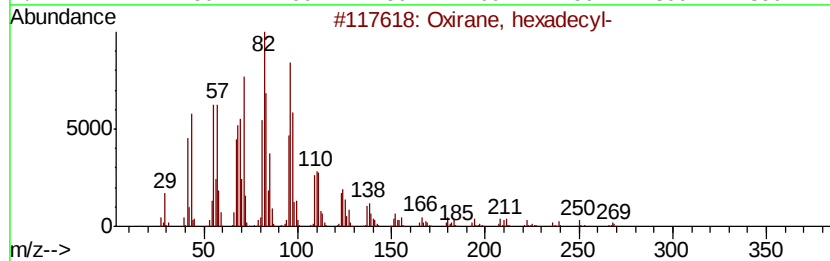
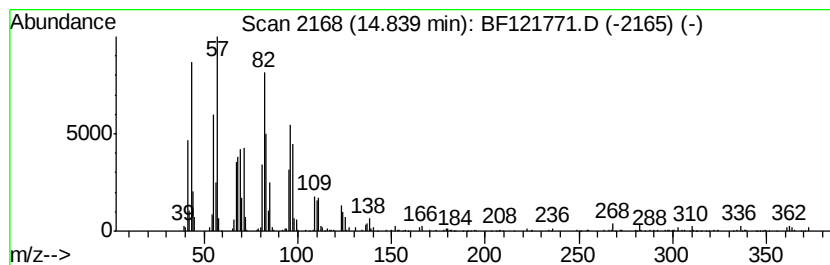
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Oxirane, hexadecyl- Concentration Rank 9

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.84 | 3.49 ng | 169739 | Perylene-d12     | 15.37 |

| Hit# | of | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------|-----|---------|-------------|------|
| 1    | 5  | Oxirane, hexadecyl-  | 268 | C18H36O | 007390-81-0 | 91   |
| 2    |    | Oxirane, heptadecyl- | 282 | C19H38O | 067860-04-2 | 87   |
| 3    |    | Octadecanal          | 268 | C18H36O | 000638-66-4 | 87   |
| 4    |    | 1,19-Eicosadiene     | 278 | C20H38  | 014811-95-1 | 81   |
| 5    |    | Pentadecanal-        | 226 | C15H30O | 002765-11-9 | 72   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\  
Data File : BF121771.D  
Acq On : 1 Oct 2020 17:11  
Operator : JU/CG  
Sample : L4179-01  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-9(2-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

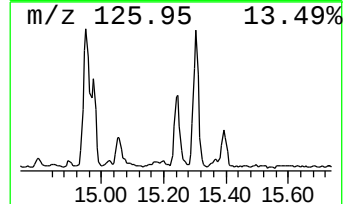
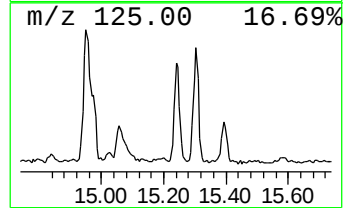
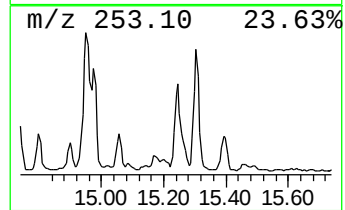
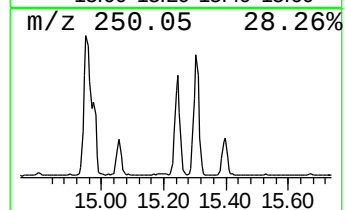
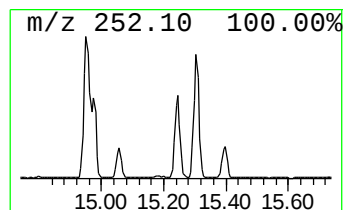
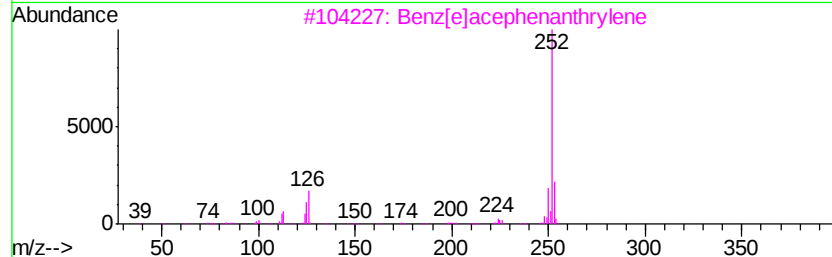
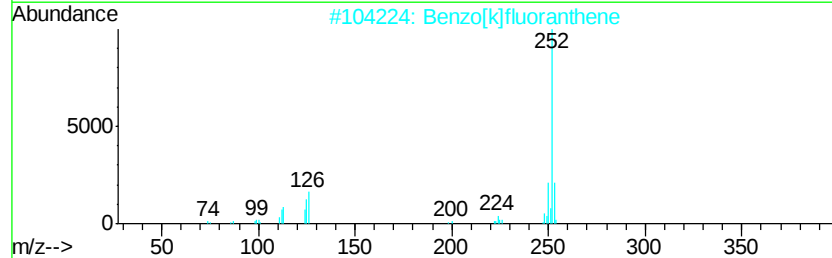
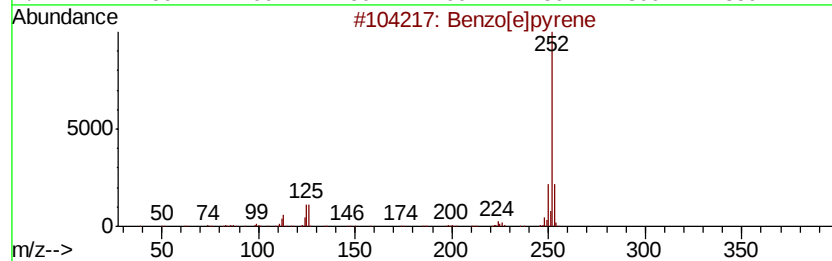
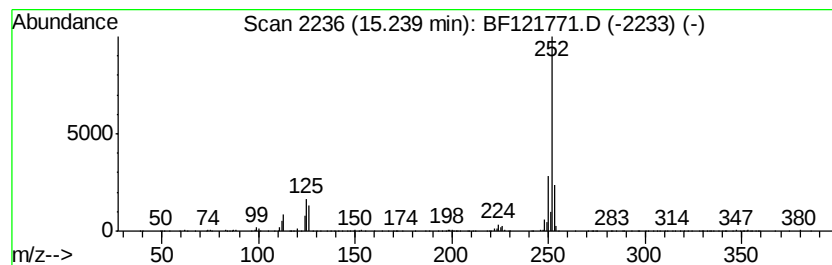
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 Benzo[e]pyrene Concentration Rank 3

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.24 | 8.38 ng | 407261 | Perylene-d12     | 15.37 |

| Hit# | of | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzo[e]pyrene           | 252 | C20H12  | 000192-97-2 | 99   |
| 2    |    | Benzo[k]fluoranthene     | 252 | C20H12  | 000207-08-9 | 97   |
| 3    |    | Benz[e]acephenanthrylene | 252 | C20H12  | 000205-99-2 | 96   |
| 4    |    | Benzo[a]pyrene           | 252 | C20H12  | 000050-32-8 | 96   |
| 5    |    | Benzo[j]fluoranthene     | 252 | C20H12  | 000205-82-3 | 95   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\  
Data File : BF121771.D  
Acq On : 1 Oct 2020 17:11  
Operator : JU/CG  
Sample : L4179-01  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-9(2-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

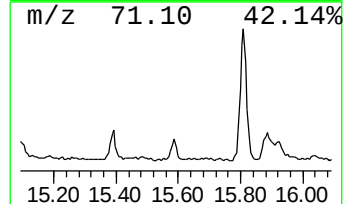
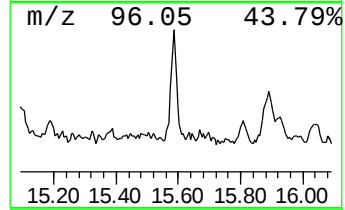
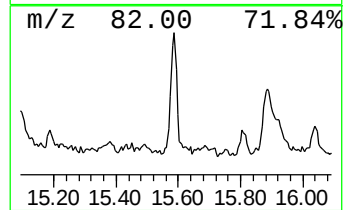
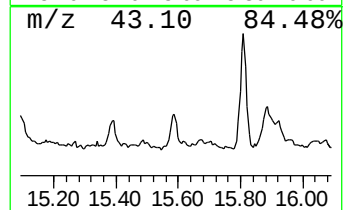
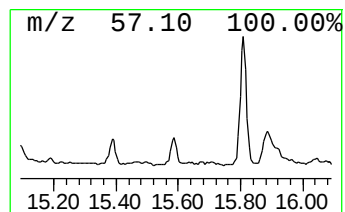
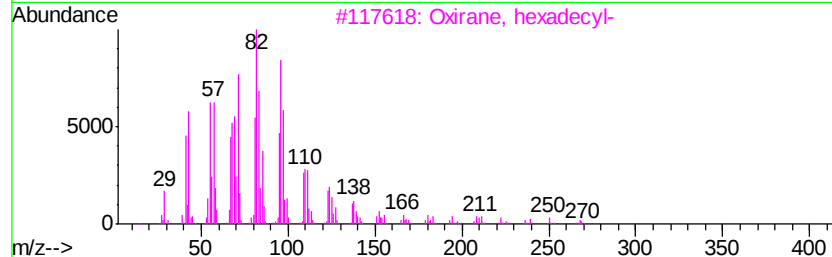
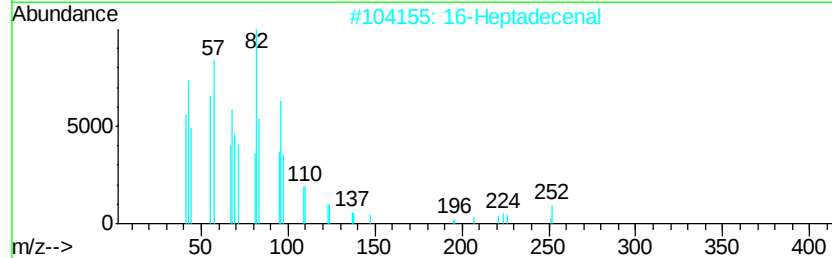
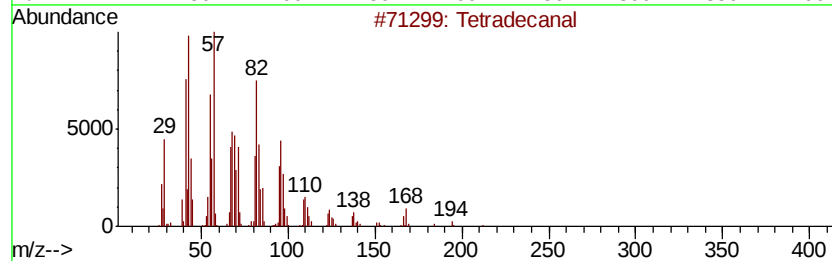
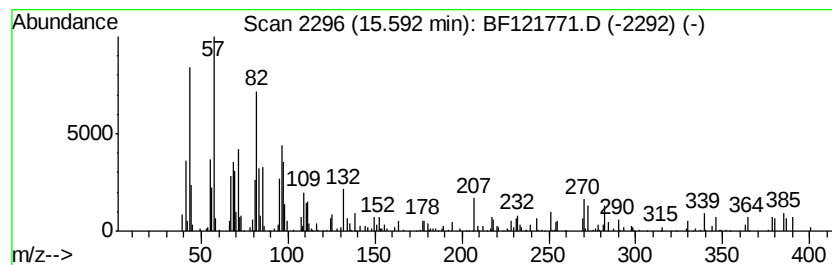
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 Tetradecanal Concentration Rank 11

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.59 | 2.90 ng | 140947 | Perylene-d12     | 15.37 |

| Hit# | of | Tentative ID         | MW  | MolForm | CAS#         | Qual |
|------|----|----------------------|-----|---------|--------------|------|
| 1    | 5  | Tetradecanal         | 212 | C14H28O | 000124-25-4  | 93   |
| 2    |    | 16-Heptadecenal      | 252 | C17H32O | 1000144-57-9 | 90   |
| 3    |    | Oxirane, hexadecyl-  | 268 | C18H36O | 007390-81-0  | 90   |
| 4    |    | Oxirane, heptadecyl- | 282 | C19H38O | 067860-04-2  | 87   |
| 5    |    | Octadecanal          | 268 | C18H36O | 000638-66-4  | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\  
Data File : BF121771.D  
Acq On : 1 Oct 2020 17:11  
Operator : JU/CG  
Sample : L4179-01  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-9(2-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

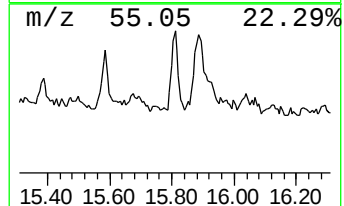
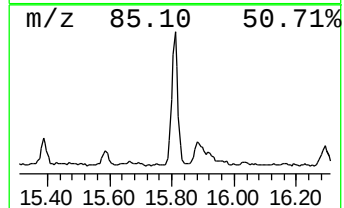
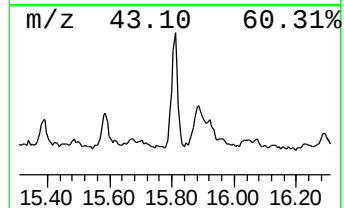
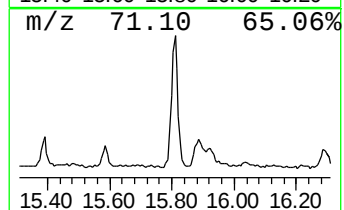
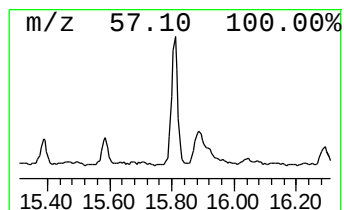
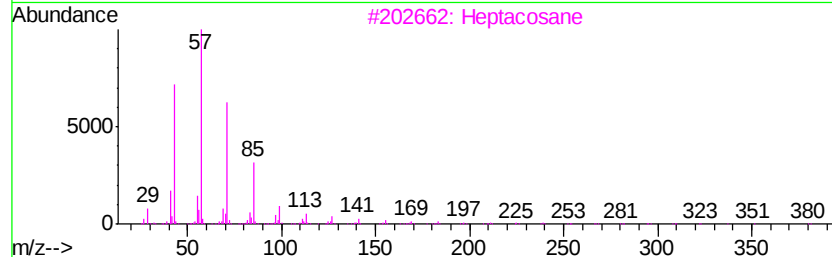
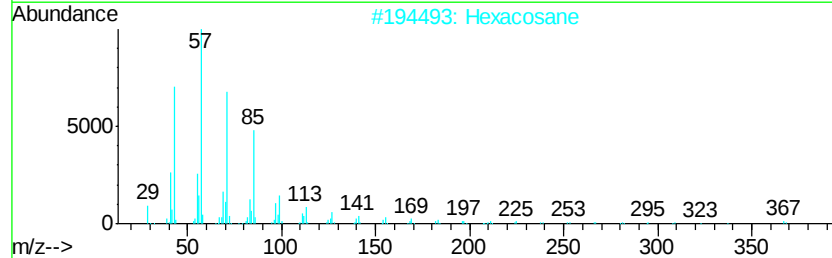
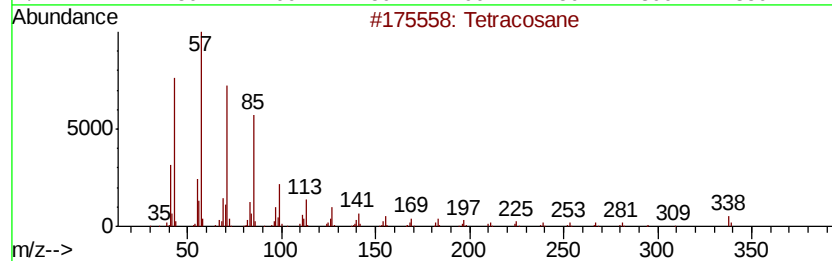
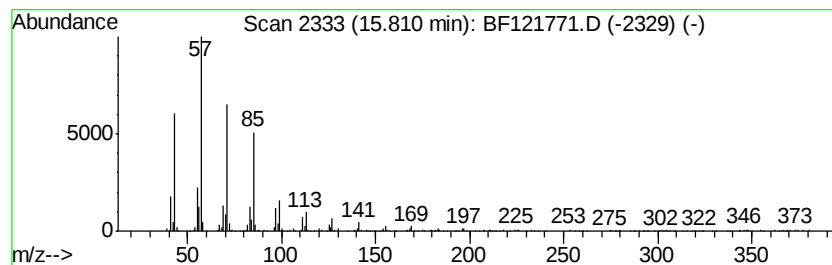
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 11 Tetracosane Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.81 | 6.93 ng | 336847 | Perylene-d12     | 15.37 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Tetracosane  | 338 | C24H50  | 000646-31-1 | 96   |
| 2    |    | Hexacosane   | 366 | C26H54  | 000630-01-3 | 91   |
| 3    |    | Heptacosane  | 380 | C27H56  | 000593-49-7 | 87   |
| 4    |    | Heneicosane  | 296 | C21H44  | 000629-94-7 | 87   |
| 5    |    | Octacosane   | 394 | C28H58  | 000630-02-4 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\  
Data File : BF121771.D  
Acq On : 1 Oct 2020 17:11  
Operator : JU/CG  
Sample : L4179-01  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-9(2-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

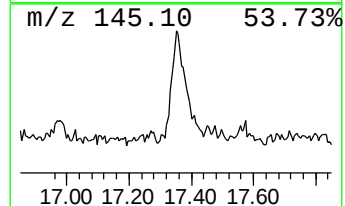
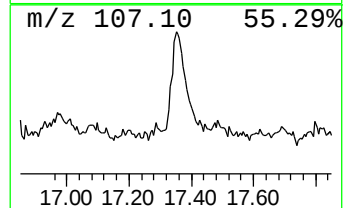
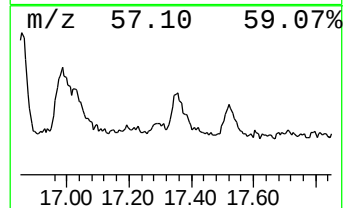
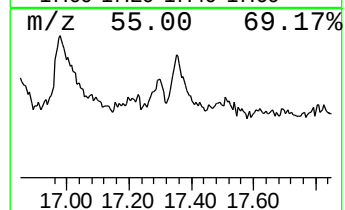
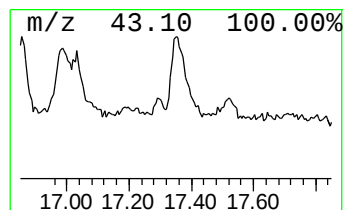
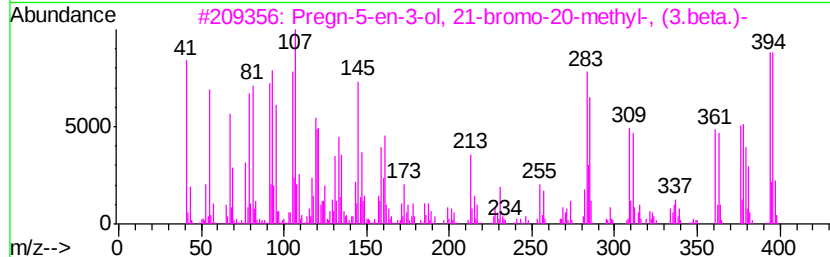
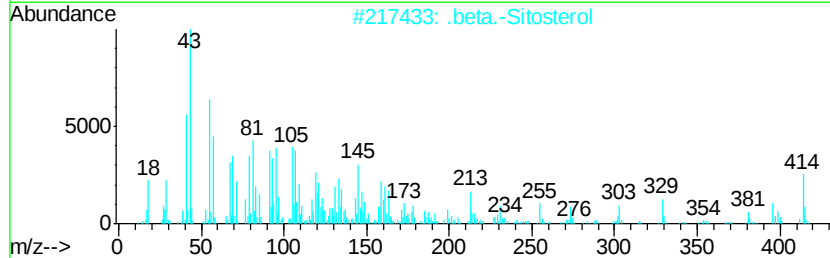
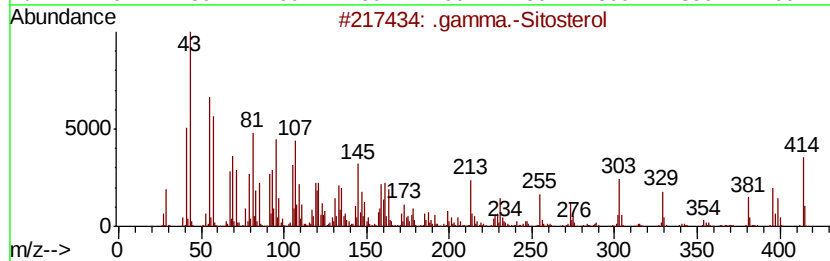
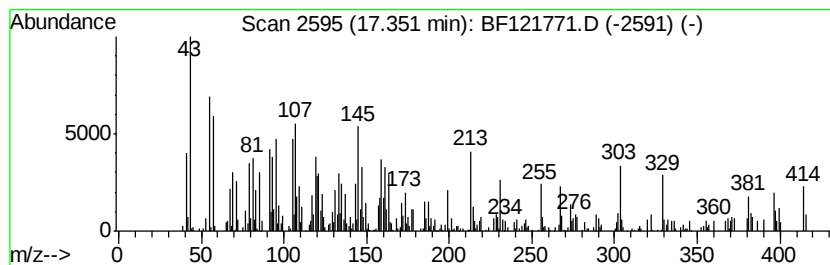
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 12 .gamma.-Sitosterol Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 17.35 | 6.55 ng | 318487 | Perylene-d12     | 15.37 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | .gamma.-Sitosterol                  | 414 | C29H50O   | 000083-47-6 | 98   |
| 2    |    |   | .beta.-Sitosterol                   | 414 | C29H50O   | 000083-46-5 | 96   |
| 3    |    |   | Pregn-5-en-3-ol, 21-bromo-20-met... | 394 | C22H35BrO | 055103-80-5 | 91   |
| 4    |    |   | Ergost-5-en-3-ol, (3.beta.)-        | 400 | C28H48O   | 004651-51-8 | 49   |
| 5    |    |   | Ergost-7-en-3-ol, (3.beta.)-        | 400 | C28H48O   | 026047-31-4 | 46   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF100120\  
 Data File : BF121771.D  
 Acq On : 1 Oct 2020 17:11  
 Operator : JU/CG  
 Sample : L4179-01  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-9(2-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF091020.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 |
| Ethanol, 2-(2-eth... | 6.60  | 3.3     | ng    | 142859   | 1                     | 6.77  | 871504  | 20.0 |
| Anthracene, 1-met... | 11.79 | 5.6     | ng    | 321026   | 4                     | 11.29 | 1149550 | 20.0 |
| n-Hexadecanoic acid  | 11.83 | 16.0    | ng    | 918820   | 4                     | 11.29 | 1149550 | 20.0 |
| Benzaldehyde, 3,5... | 11.90 | 3.5     | ng    | 201699   | 4                     | 11.29 | 1149550 | 20.0 |
| 1-Docosene           | 13.78 | 8.3     | ng    | 611589   | 5                     | 13.93 | 1467700 | 20.0 |
| 1-Nonadecene         | 14.43 | 2.3     | ng    | 169648   | 5                     | 13.93 | 1467700 | 20.0 |
| Oxirane, hexadecyl-  | 14.84 | 3.5     | ng    | 169739   | 6                     | 15.37 | 972417  | 20.0 |
| Benzo[e]pyrene       | 15.24 | 8.4     | ng    | 407261   | 6                     | 15.37 | 972417  | 20.0 |
| Tetradecanal         | 15.59 | 2.9     | ng    | 140947   | 6                     | 15.37 | 972417  | 20.0 |
| Tetracosane          | 15.81 | 6.9     | ng    | 336847   | 6                     | 15.37 | 972417  | 20.0 |
| .gamma.-Sitosterol   | 17.35 | 6.5     | ng    | 318487   | 6                     | 15.37 | 972417  | 20.0 |