

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\  
 Data File : BF102304.D  
 Acq On : 22 Jan 2018 17:31  
 Operator : SJ/JU  
 Sample : J1238-02  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-06-0-2.0-DUP

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-BF012218.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         | 4.916       | 477           | 481         | 491          | rVB      | 168432         | 256768        | 7.08%           | 0.712%        |
| 2         | 5.328       | 546           | 551         | 554          | rBV      | 3300531        | 3408736       | 93.93%          | 9.454%        |
| 3         | 6.357       | 720           | 726         | 737          | rBV      | 2985925        | 3628948       | 100.00%         | 10.064%       |
| 4         | 6.486       | 743           | 748         | 751          | rBV      | 3596837        | 3546353       | 97.72%          | 9.835%        |
| 5         | 6.710       | 783           | 786         | 795          | rBV      | 1063141        | 944446        | 26.03%          | 2.619%        |
| 6         | 6.869       | 809           | 813         | 816          | rBV      | 3055860        | 2718943       | 74.92%          | 7.540%        |
| 7         | 7.281       | 878           | 883         | 886          | rBV      | 2253241        | 2265945       | 62.44%          | 6.284%        |
| 8         | 7.992       | 1000          | 1004        | 1014         | rBV      | 1335674        | 1324502       | 36.50%          | 3.673%        |
| 9         | 9.075       | 1182          | 1188        | 1191         | rBV      | 3829450        | 3546042       | 97.72%          | 9.834%        |
| 10        | 9.469       | 1250          | 1255        | 1258         | rBV      | 743063         | 615510        | 16.96%          | 1.707%        |
| 11        | 9.680       | 1288          | 1291        | 1294         | rVB      | 149103         | 117056        | 3.23%           | 0.325%        |
| 12        | 9.745       | 1298          | 1302        | 1306         | rVV2     | 1427796        | 1341906       | 36.98%          | 3.722%        |
| 13        | 9.780       | 1306          | 1308        | 1311         | rVB      | 168415         | 129294        | 3.56%           | 0.359%        |
| 14        | 9.904       | 1325          | 1329        | 1333         | rBV5     | 26322          | 39343         | 1.08%           | 0.109%        |
| 15        | 9.951       | 1333          | 1337        | 1342         | rVV2     | 54302          | 79300         | 2.19%           | 0.220%        |
| 16        | 9.998       | 1342          | 1345        | 1349         | rVB4     | 37258          | 38554         | 1.06%           | 0.107%        |
| 17        | 10.180      | 1372          | 1376        | 1379         | rVB      | 184523         | 157362        | 4.34%           | 0.436%        |
| 18        | 10.292      | 1392          | 1395        | 1401         | rVB      | 59792          | 58801         | 1.62%           | 0.163%        |
| 19        | 10.398      | 1408          | 1413        | 1416         | rBV2     | 55259          | 78749         | 2.17%           | 0.218%        |
| 20        | 10.539      | 1430          | 1437        | 1440         | rBV      | 2020971        | 1968251       | 54.24%          | 5.459%        |
| 21        | 10.651      | 1453          | 1456        | 1463         | rBV      | 179270         | 189914        | 5.23%           | 0.527%        |
| 22        | 11.098      | 1526          | 1532        | 1535         | rBV3     | 67344          | 75627         | 2.08%           | 0.210%        |
| 23        | 11.127      | 1535          | 1537        | 1543         | rVB      | 43484          | 43213         | 1.19%           | 0.120%        |
| 24        | 11.233      | 1551          | 1555        | 1557         | rBV      | 1179649        | 1137358       | 31.34%          | 3.154%        |
| 25        | 11.251      | 1557          | 1558        | 1562         | rVV      | 377894         | 316050        | 8.71%           | 0.877%        |
| 26        | 11.304      | 1565          | 1567        | 1571         | rVB      | 96639          | 80839         | 2.23%           | 0.224%        |
| 27        | 11.463      | 1592          | 1594        | 1599         | rVB      | 39051          | 44663         | 1.23%           | 0.124%        |
| 28        | 11.727      | 1636          | 1639        | 1642         | rBV      | 55787          | 53281         | 1.47%           | 0.148%        |
| 29        | 11.763      | 1642          | 1645        | 1648         | rVV2     | 100554         | 99578         | 2.74%           | 0.276%        |
| 30        | 11.845      | 1655          | 1659        | 1661         | rBV      | 81736          | 90569         | 2.50%           | 0.251%        |
| 31        | 11.933      | 1667          | 1674        | 1676         | rBV5     | 22197          | 41157         | 1.13%           | 0.114%        |
| 32        | 12.280      | 1730          | 1733        | 1735         | rBV      | 49295          | 53811         | 1.48%           | 0.149%        |
| 33        | 12.315      | 1737          | 1739        | 1745         | rVB3     | 40893          | 52869         | 1.46%           | 0.147%        |
| 34        | 12.363      | 1745          | 1747        | 1753         | rBV3     | 34347          | 52448         | 1.45%           | 0.145%        |

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012218\  
Data File : BF102304.D  
Acq On : 22 Jan 2018 17:31  
Operator : SJ/JU  
Sample : J1238-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-06-0-2.0-DUP

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-BF012218.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 12.439 | 1756 | 1760 | 1764 | rBV  | 579109  | 509153  | 14.03% | 1.412% |
| 36 | 12.586 | 1781 | 1785 | 1789 | rBV4 | 21266   | 38370   | 1.06%  | 0.106% |
| 37 | 12.668 | 1793 | 1799 | 1802 | rVV  | 528201  | 548651  | 15.12% | 1.522% |
| 38 | 12.715 | 1805 | 1807 | 1812 | rVB3 | 30559   | 40127   | 1.11%  | 0.111% |
| 39 | 12.815 | 1820 | 1824 | 1828 | rBV  | 2398590 | 2282949 | 62.91% | 6.331% |
| 40 | 12.892 | 1833 | 1837 | 1841 | rVB2 | 35336   | 44573   | 1.23%  | 0.124% |
| 41 | 12.998 | 1852 | 1855 | 1858 | rVB  | 68483   | 73318   | 2.02%  | 0.203% |
| 42 | 13.063 | 1864 | 1866 | 1869 | rVB  | 47330   | 38068   | 1.05%  | 0.106% |
| 43 | 13.098 | 1869 | 1872 | 1875 | rBV2 | 54388   | 62495   | 1.72%  | 0.173% |
| 44 | 13.221 | 1891 | 1893 | 1897 | rBV2 | 39421   | 45017   | 1.24%  | 0.125% |
| 45 | 13.292 | 1902 | 1905 | 1912 | rVB  | 94939   | 90711   | 2.50%  | 0.252% |
| 46 | 13.504 | 1939 | 1941 | 1945 | rVB  | 44793   | 42676   | 1.18%  | 0.118% |
| 47 | 13.710 | 1973 | 1976 | 1982 | rBV  | 253106  | 262250  | 7.23%  | 0.727% |
| 48 | 13.868 | 1997 | 2003 | 2005 | rBV2 | 961208  | 1147099 | 31.61% | 3.181% |
| 49 | 13.892 | 2005 | 2007 | 2013 | rVB  | 252980  | 221722  | 6.11%  | 0.615% |
| 50 | 14.345 | 2081 | 2084 | 2087 | rBV2 | 104122  | 109087  | 3.01%  | 0.303% |
| 51 | 14.886 | 2172 | 2176 | 2179 | rBV  | 227498  | 368257  | 10.15% | 1.021% |
| 52 | 14.956 | 2185 | 2188 | 2191 | rBV  | 201597  | 191234  | 5.27%  | 0.530% |
| 53 | 15.174 | 2222 | 2225 | 2229 | rVB  | 132698  | 142268  | 3.92%  | 0.395% |
| 54 | 15.233 | 2231 | 2235 | 2240 | rBV  | 188887  | 255697  | 7.05%  | 0.709% |
| 55 | 15.292 | 2241 | 2245 | 2252 | rVB  | 592785  | 825766  | 22.75% | 2.290% |
| 56 | 15.727 | 2316 | 2319 | 2323 | rVB  | 99744   | 122197  | 3.37%  | 0.339% |

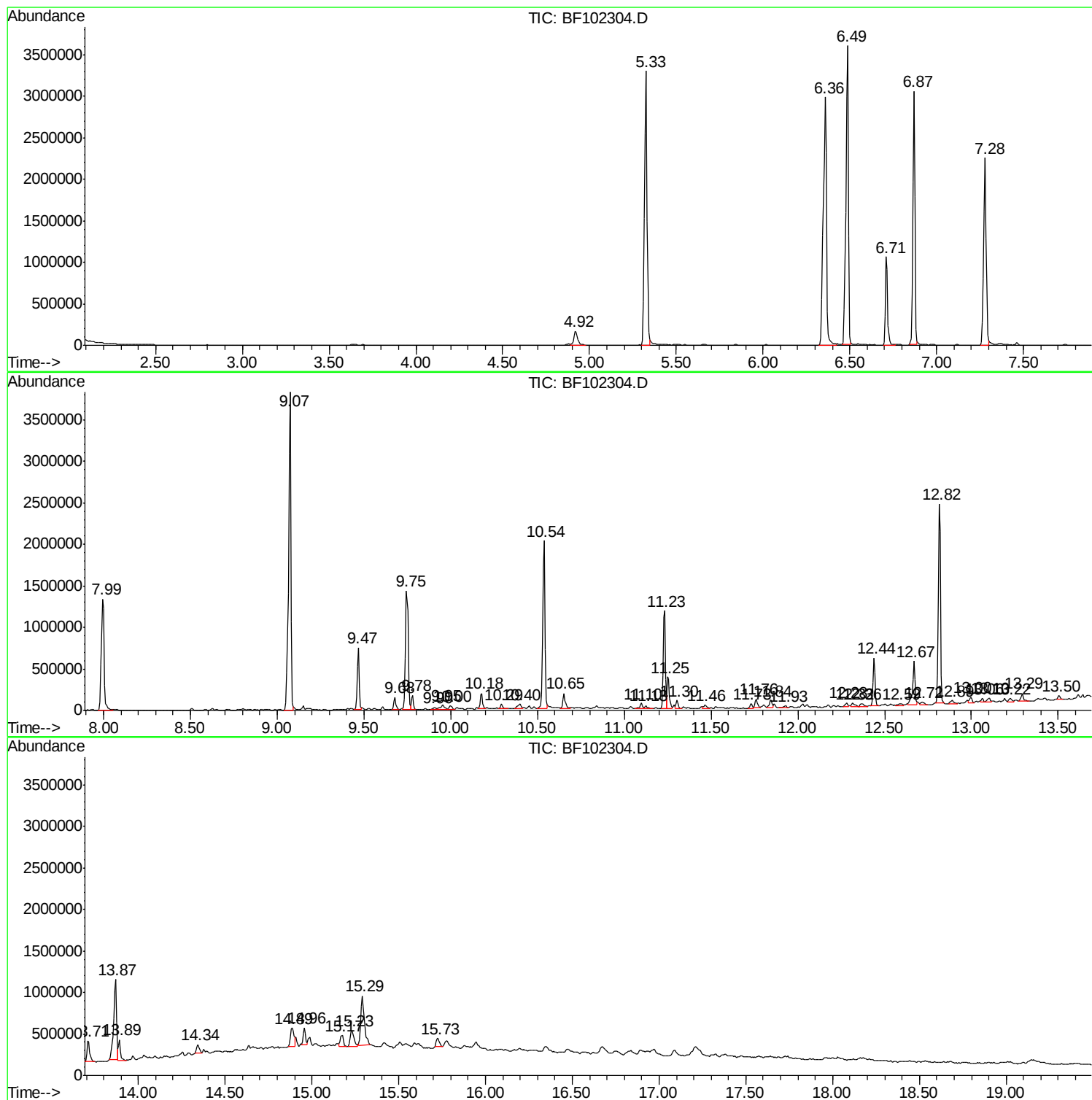
Sum of corrected areas: 36057871

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012218\  
Data File : BF102304.D  
Acq On : 22 Jan 2018 17:31  
Operator : SJ/JU  
Sample : J1238-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
SB-06-0-2.0-DUP

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF012218.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\BF012218\  
Data File : BF102304.D  
Acq On : 22 Jan 2018 17:31  
Operator : SJ/JU  
Sample : J1238-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-06-0-2.0-DUP

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF012218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

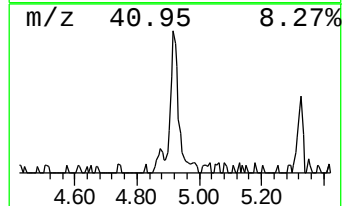
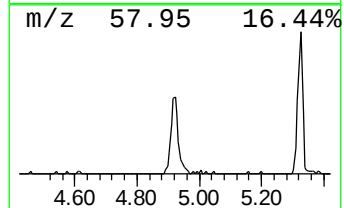
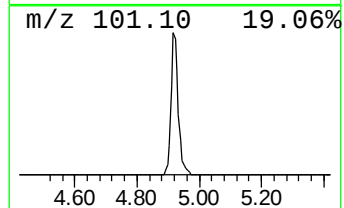
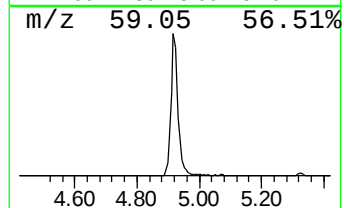
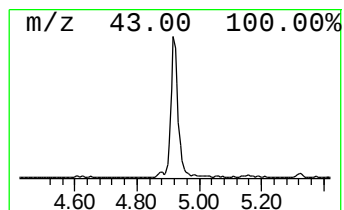
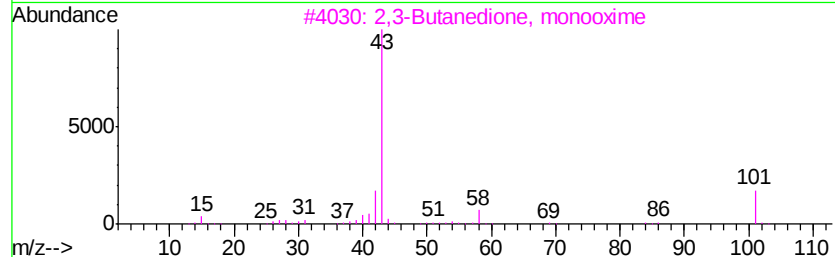
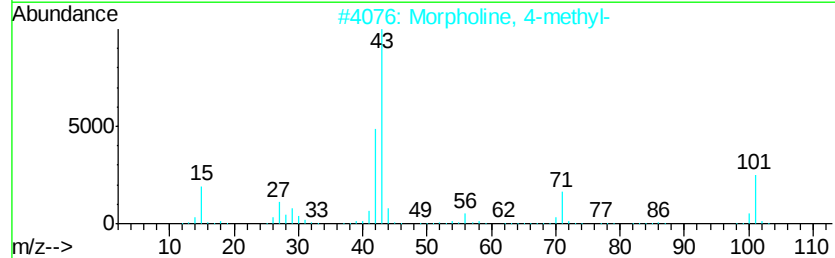
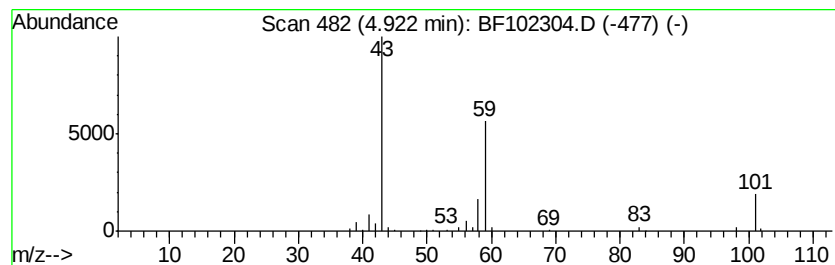
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 4.92 | 5.44 ng | 256768 | 1,4-Dichlorobenzene-d4 | 6.71 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 53   |
| 2    |    |   | Morpholine, 4-methyl-            | 101 | C5H11NO | 000109-02-4 | 9    |
| 3    |    |   | 2,3-Butanedione, monooxime       | 101 | C4H7NO2 | 000057-71-6 | 9    |
| 4    |    |   | Butane, 1-ethoxy-                | 102 | C6H14O  | 000628-81-9 | 9    |
| 5    |    |   | 3-Hexanol, 4-methyl-             | 116 | C7H16O  | 000615-29-2 | 9    |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012218\  
Data File : BF102304.D  
Acq On : 22 Jan 2018 17:31  
Operator : SJ/JU  
Sample : J1238-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-06-0-2.0-DUP

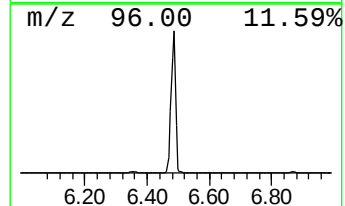
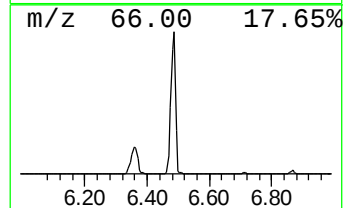
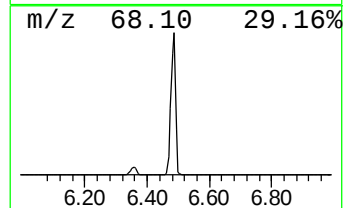
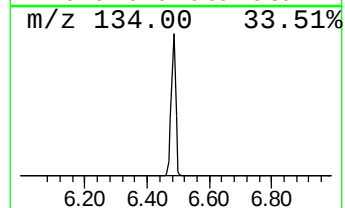
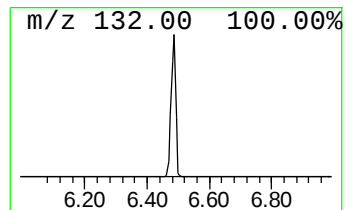
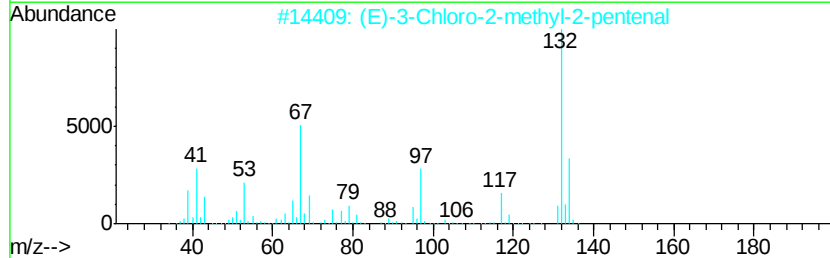
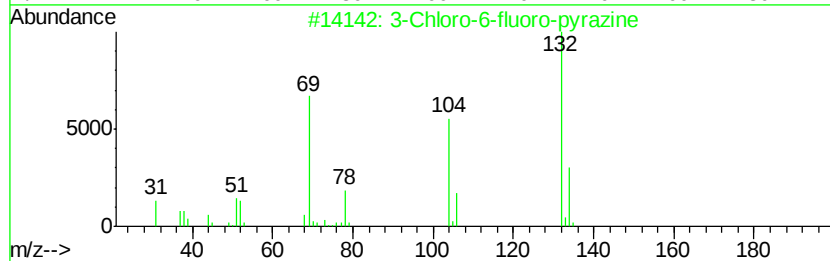
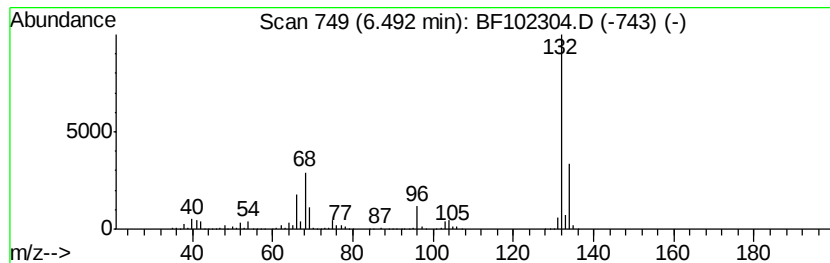
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF012218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 unknown6.49 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.49 | 75.10 ng | 3546350 | 1,4-Dichlorobenzene-d4 | 6.71 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 17   |
| 3    |    | Tranvlcypropine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 4    |    | 4-Chloro-2-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-00-5  | 9    |
| 5    |    | 1-Methylpyrrolo[1,2-a]pyrazine   | 132 | C8H8N2    | 064608-59-9  | 9    |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\  
Data File : BF102304.D  
Acq On : 22 Jan 2018 17:31  
Operator : SJ/JU  
Sample : J1238-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-06-0-2.0-DUP

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

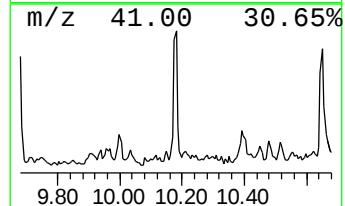
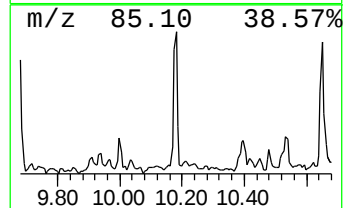
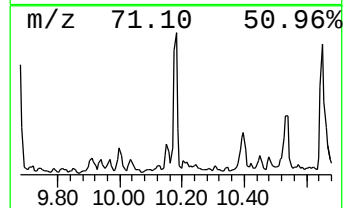
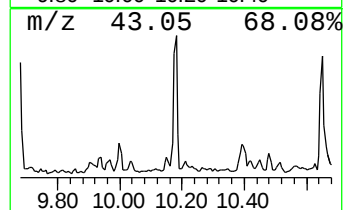
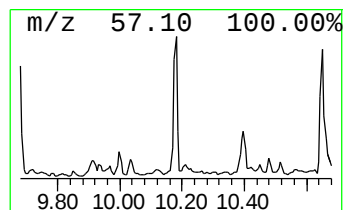
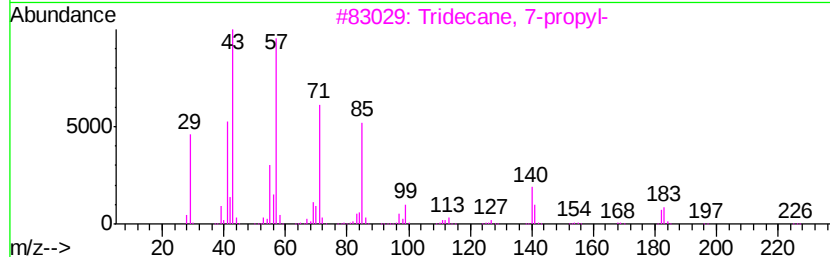
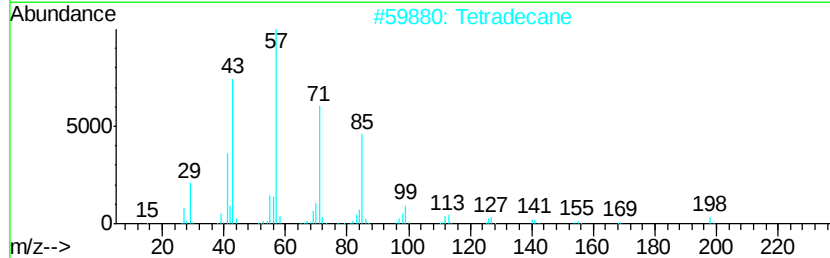
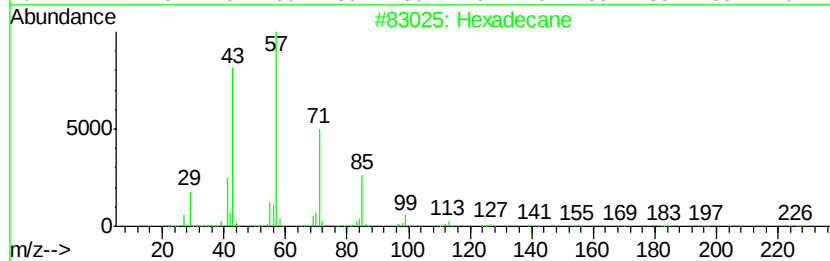
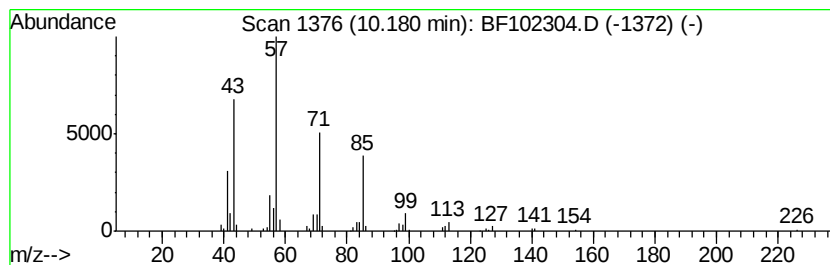
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Hexadecane Concentration Rank 9

| R.T.  | EstConc | Area   | Relative to ISTD | R.T. |
|-------|---------|--------|------------------|------|
| 10.18 | 2.35 ng | 157362 | Acenaphthene-d10 | 9.75 |

| Hit# of | 5                    | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|----------------------|--------------|-----|---------|-------------|------|
| 1       | Hexadecane           |              | 226 | C16H34  | 000544-76-3 | 97   |
| 2       | Tetradecane          |              | 198 | C14H30  | 000629-59-4 | 80   |
| 3       | Tridecane, 7-propyl- |              | 226 | C16H34  | 055045-09-5 | 80   |
| 4       | Tetracosane          |              | 338 | C24H50  | 000646-31-1 | 64   |
| 5       | Tetradecane, 1-iodo- |              | 324 | C14H29I | 019218-94-1 | 58   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\  
Data File : BF102304.D  
Acq On : 22 Jan 2018 17:31  
Operator : SJ/JU  
Sample : J1238-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

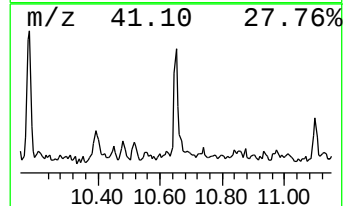
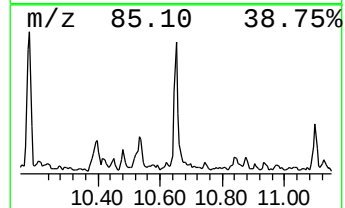
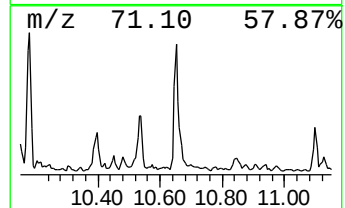
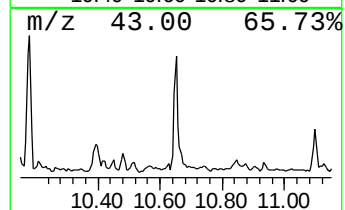
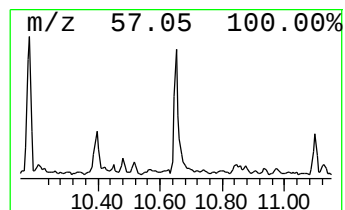
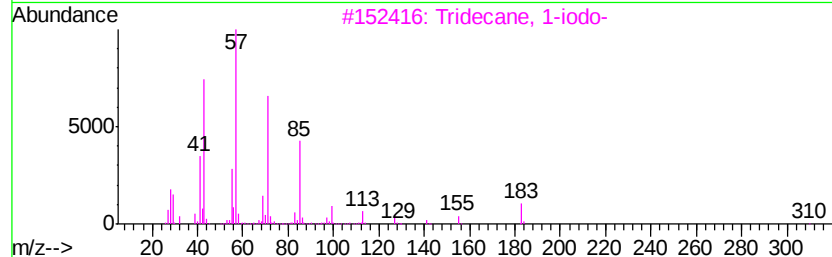
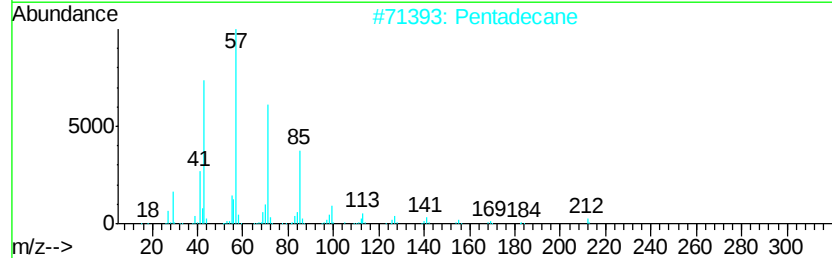
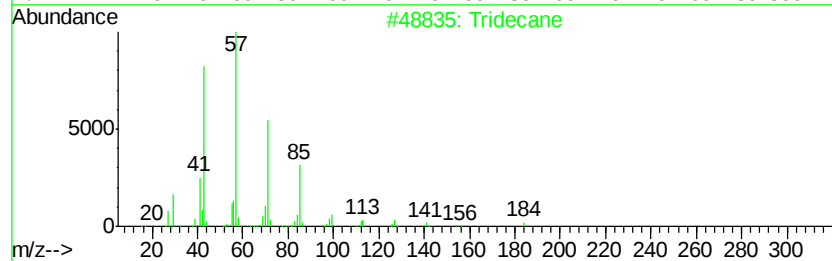
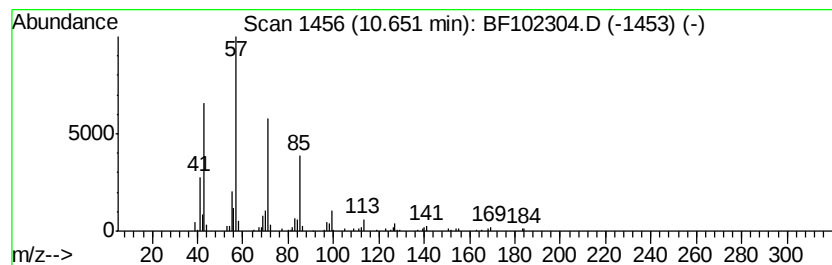
Instrument :  
BNA\_F  
ClientSampleId :  
SB-06-0-2.0-DUP

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 5 Tridecane Concentration Rank 7

| R.T.      | EstConc            | Area   | Relative to ISTD |             | R.T.  |
|-----------|--------------------|--------|------------------|-------------|-------|
| 10.65     | 3.34 ng            | 189914 | Phenanthrene-d10 |             | 11.23 |
| Hit# of 5 | Tentative ID       | MW     | MolForm          | CAS#        | Qual  |
| 1         | Tridecane          | 184    | C13H28           | 000629-50-5 | 95    |
| 2         | Pentadecane        | 212    | C15H32           | 000629-62-9 | 91    |
| 3         | Tridecane, 1-iodo- | 310    | C13H27I          | 035599-77-0 | 90    |
| 4         | Tetratetracontane  | 619    | C44H90           | 007098-22-8 | 90    |
| 5         | Hexadecane         | 226    | C16H34           | 000544-76-3 | 90    |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012218\  
Data File : BF102304.D  
Acq On : 22 Jan 2018 17:31  
Operator : SJ/JU  
Sample : J1238-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-06-0-2.0-DUP

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF012218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

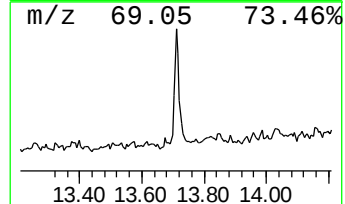
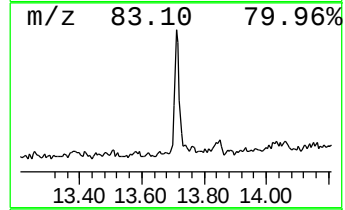
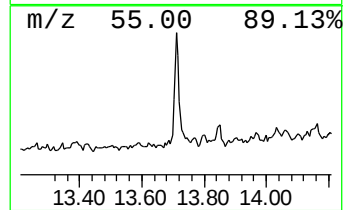
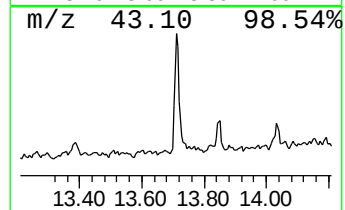
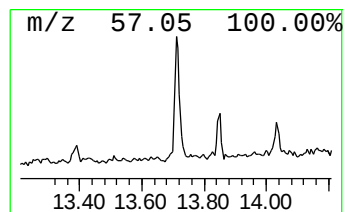
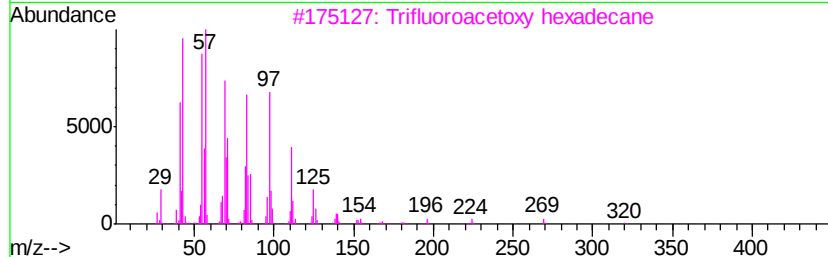
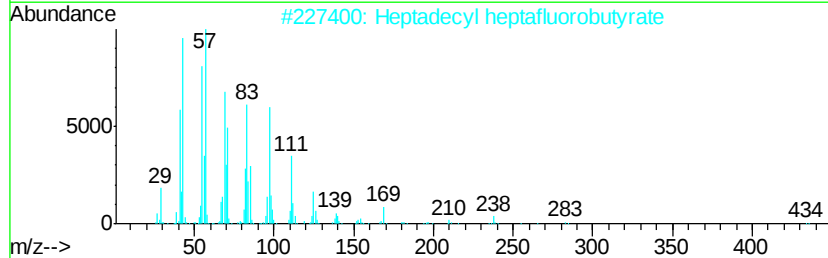
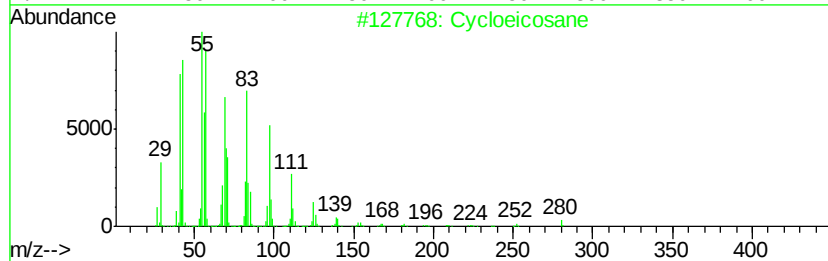
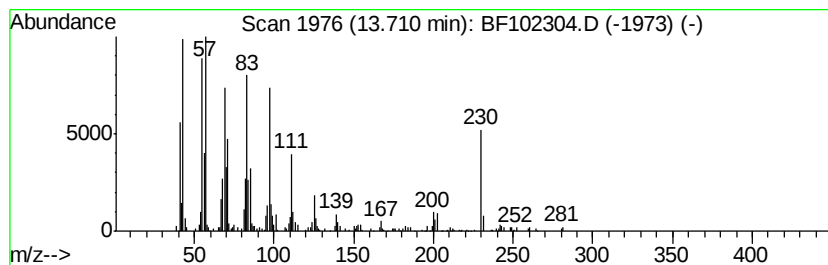
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Cycloeicosane Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.71 | 4.57 ng | 262250 | Chrysene-d12     | 13.87 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | Cycloeicosane                       | 280 | C20H40     | 000296-56-0 | 98   |
| 2    |    | Heptadecyl heptafluorobutyrate      | 452 | C21H35F7O2 | 959085-66-6 | 93   |
| 3    |    | Trifluoroacetoxv hexadecane         | 338 | C18H33F3O2 | 006222-03-3 | 93   |
| 4    |    | 1-Eicosene                          | 280 | C20H40     | 003452-07-1 | 91   |
| 5    |    | Heptafluorobutyric acid, hexadec... | 438 | C20H33F7O2 | 006385-15-5 | 90   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012218\  
Data File : BF102304.D  
Acq On : 22 Jan 2018 17:31  
Operator : SJ/JU  
Sample : J1238-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-06-0-2.0-DUP

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF012218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

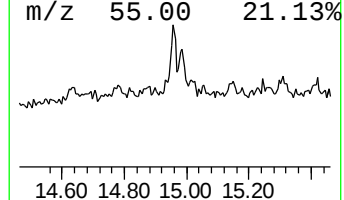
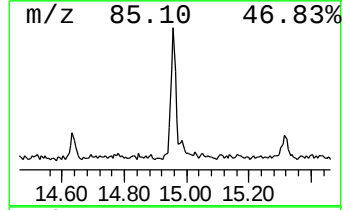
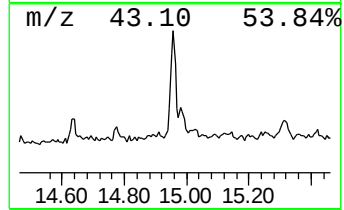
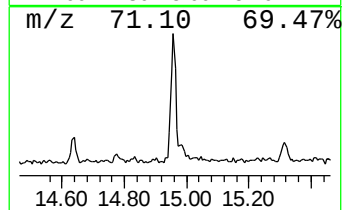
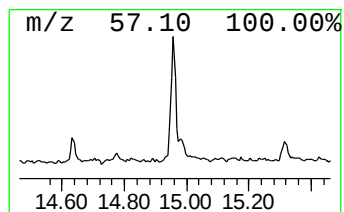
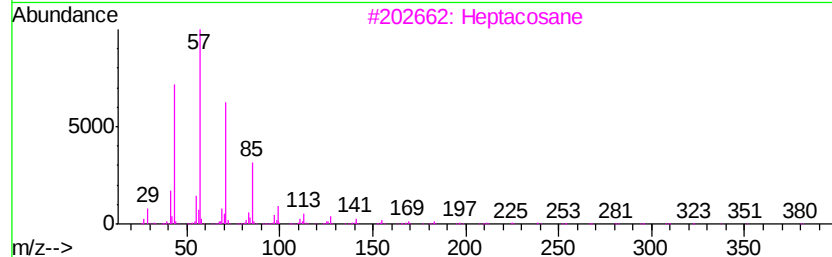
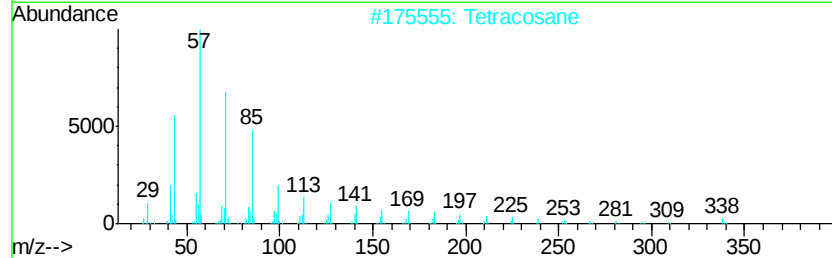
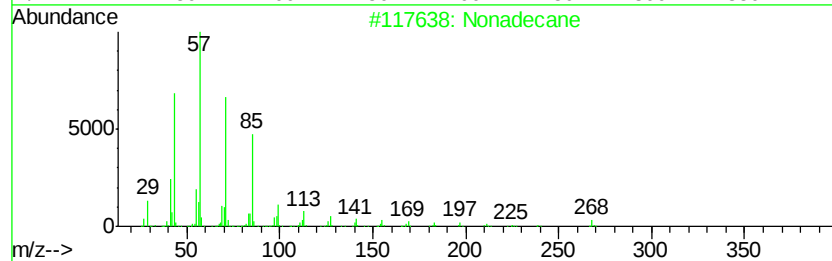
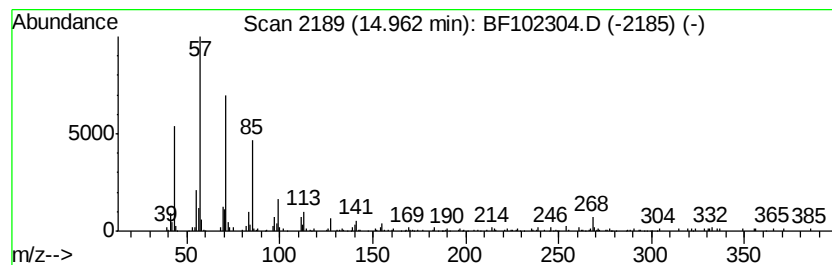
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Nonadecane Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.96 | 4.63 ng | 191234 | Perylene-d12     | 15.29 |

| Hit# | of | Tentative ID     | MW  | MolForm  | CAS#        | Qual |
|------|----|------------------|-----|----------|-------------|------|
| 1    | 5  | Nonadecane       | 268 | C19H40   | 000629-92-5 | 94   |
| 2    |    | Tetracosane      | 338 | C24H50   | 000646-31-1 | 91   |
| 3    |    | Heptacosane      | 380 | C27H56   | 000593-49-7 | 90   |
| 4    |    | Octacosane       | 394 | C28H58   | 000630-02-4 | 87   |
| 5    |    | 2-Bromo dodecane | 248 | C12H25Br | 013187-99-0 | 87   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\  
Data File : BF102304.D  
Acq On : 22 Jan 2018 17:31  
Operator : SJ/JU  
Sample : J1238-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-06-0-2.0-DUP

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

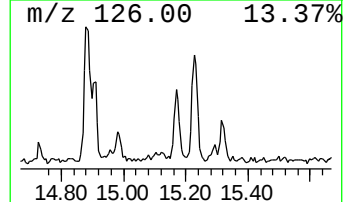
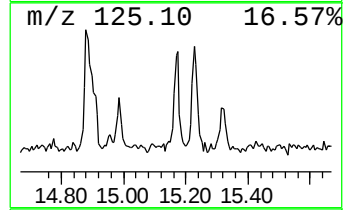
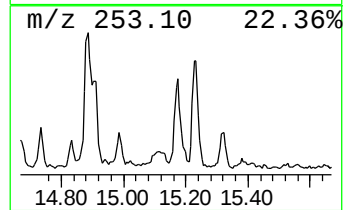
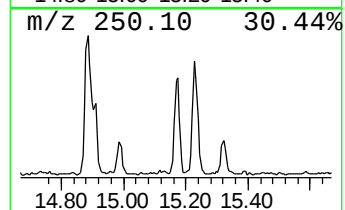
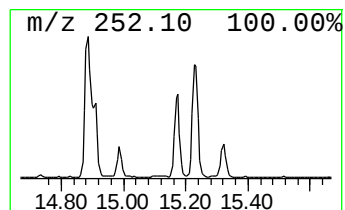
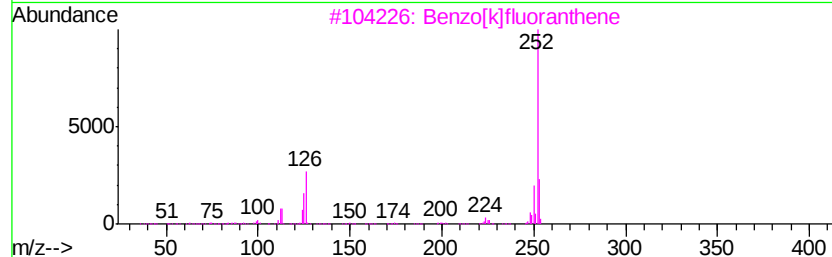
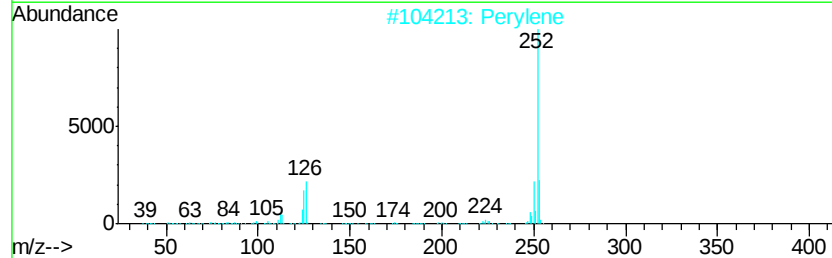
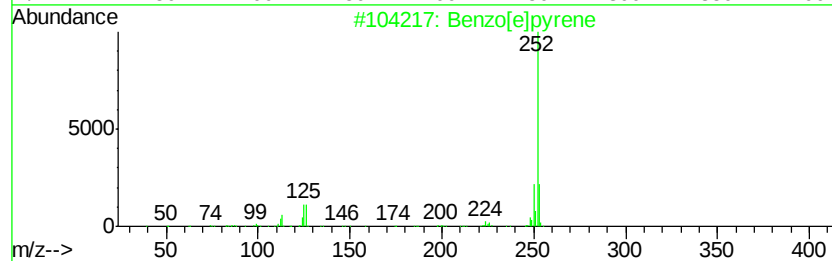
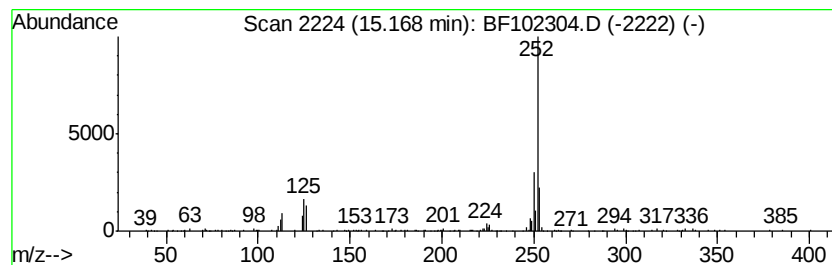
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Benzo[e]pyrene Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.17 | 3.45 ng | 142268 | Perylene-d12     | 15.29 |

| Hit# of | 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|---------|---|--------------------------|-----|---------|-------------|------|
| 1       |   | Benzo[e]pyrene           | 252 | C20H12  | 000192-97-2 | 93   |
| 2       |   | Perylene                 | 252 | C20H12  | 000198-55-0 | 90   |
| 3       |   | Benzo[k]fluoranthene     | 252 | C20H12  | 000207-08-9 | 90   |
| 4       |   | Benzo[i]fluoranthene     | 252 | C20H12  | 000205-82-3 | 90   |
| 5       |   | Benz[e]acephenanthrylene | 252 | C20H12  | 000205-99-2 | 89   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\  
Data File : BF102304.D  
Acq On : 22 Jan 2018 17:31  
Operator : SJ/JU  
Sample : J1238-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

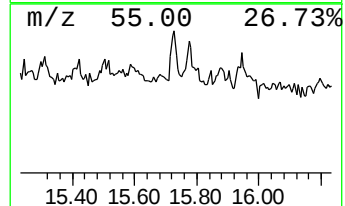
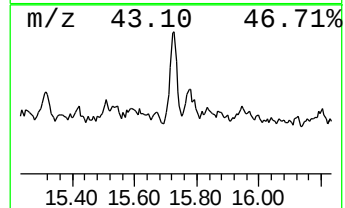
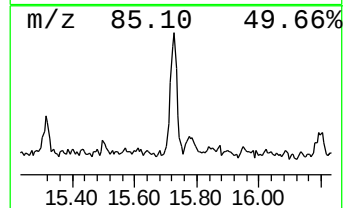
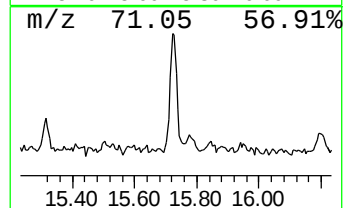
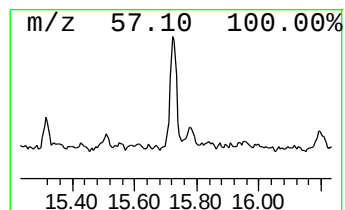
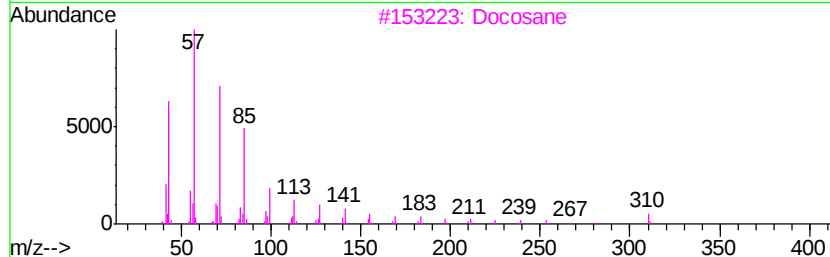
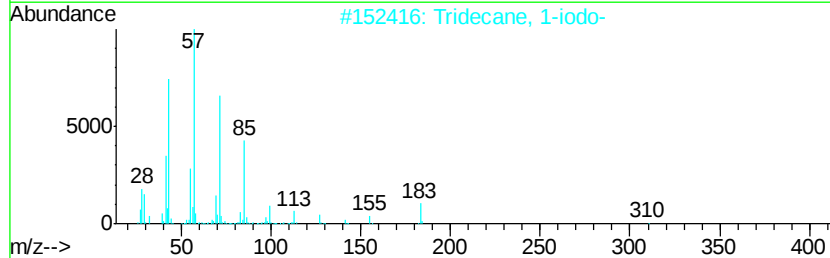
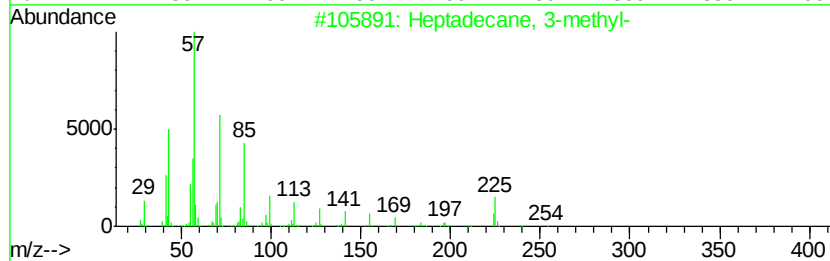
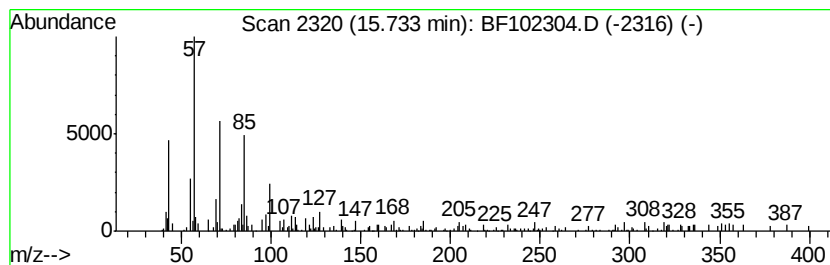
Instrument :  
BNA\_F  
ClientSampleId :  
SB-06-0-2.0-DUP

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 9 Heptadecane, 3-methyl- Concentration Rank 8

| R.T.    | EstConc                | Area         | Relative to ISTD | R.T.      |
|---------|------------------------|--------------|------------------|-----------|
| 15.73   | 2.96 ng                | 122197       | Perylene-d12     | 15.29     |
| Hit# of | 5                      | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Heptadecane, 3-methyl- | 254 C18H38   | 006418-44-6      | 90        |
| 2       | Tridecane, 1-iodo-     | 310 C13H27I  | 035599-77-0      | 90        |
| 3       | Docosane               | 310 C22H46   | 000629-97-0      | 87        |
| 4       | Hentriacontane         | 437 C31H64   | 000630-04-6      | 78        |
| 5       | Undecane, 3-methyl-    | 170 C12H26   | 001002-43-3      | 72        |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012218\  
Data File : BF102304.D  
Acq On : 22 Jan 2018 17:31  
Operator : SJ/JU  
Sample : J1238-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-06-0-2.0-DUP

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF012218.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... | 4.92  | 5.4     | ng    | 256768   | 1                     | 6.71  | 944446  | 20.0 |
| unknown6.49          | 6.49  | 75.1    | ng    | 3546350  | 1                     | 6.71  | 944446  | 20.0 |
| Hexadecane           | 10.18 | 2.4     | ng    | 157362   | 3                     | 9.75  | 1341910 | 20.0 |
| Tridecane            | 10.65 | 3.3     | ng    | 189914   | 4                     | 11.23 | 1137360 | 20.0 |
| Cycloeicosane        | 13.71 | 4.6     | ng    | 262250   | 5                     | 13.87 | 1147100 | 20.0 |
| Nonadecane           | 14.96 | 4.6     | ng    | 191234   | 6                     | 15.29 | 825766  | 20.0 |
| Benzo[e]pyrene       | 15.17 | 3.5     | ng    | 142268   | 6                     | 15.29 | 825766  | 20.0 |
| Heptadecane, 3-me... | 15.73 | 3.0     | ng    | 122197   | 6                     | 15.29 | 825766  | 20.0 |