

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\  
 Data File : BF094747.D  
 Acq On : 1 May 2017 13:20  
 Operator : SJ/MA  
 Sample : I2912-02  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EASTWALL-2-042717

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-BF041717.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         | 3.931       | 335           | 339         | 346          | rBV      | 279389         | 302692        | 11.27%          | 1.404%        |
| 2         | 4.331       | 403           | 407         | 423          | rBV      | 2111453        | 2039202       | 75.94%          | 9.459%        |
| 3         | 5.401       | 584           | 589         | 599          | rBV      | 2181218        | 2181509       | 81.24%          | 10.120%       |
| 4         | 5.519       | 605           | 609         | 616          | rVB      | 2203865        | 2173347       | 80.94%          | 10.082%       |
| 5         | 5.766       | 647           | 651         | 655          | rBV      | 611428         | 592079        | 22.05%          | 2.747%        |
| 6         | 5.942       | 676           | 681         | 684          | rBV      | 1886413        | 1745290       | 65.00%          | 8.096%        |
| 7         | 6.413       | 756           | 761         | 764          | rBV      | 1469941        | 1391390       | 51.82%          | 6.454%        |
| 8         | 7.254       | 900           | 904         | 913          | rBV      | 916961         | 798375        | 29.73%          | 3.704%        |
| 9         | 8.577       | 1124          | 1129        | 1132         | rBV      | 2887612        | 2685119       | 100.00%         | 12.456%       |
| 10        | 9.083       | 1211          | 1215        | 1223         | rBV      | 199235         | 189574        | 7.06%           | 0.879%        |
| 11        | 9.389       | 1258          | 1267        | 1275         | rBV2     | 889627         | 950296        | 35.39%          | 4.408%        |
| 12        | 9.983       | 1364          | 1368        | 1372         | rVB      | 69151          | 60319         | 2.25%           | 0.280%        |
| 13        | 10.254      | 1409          | 1414        | 1417         | rBV2     | 17865          | 28846         | 1.07%           | 0.134%        |
| 14        | 10.366      | 1429          | 1433        | 1443         | rBV      | 1303656        | 1418537       | 52.83%          | 6.580%        |
| 15        | 10.566      | 1464          | 1467        | 1470         | rBV      | 77362          | 81500         | 3.04%           | 0.378%        |
| 16        | 11.124      | 1558          | 1562        | 1565         | rBV      | 41463          | 42364         | 1.58%           | 0.197%        |
| 17        | 11.213      | 1573          | 1577        | 1586         | rBV      | 954583         | 910018        | 33.89%          | 4.221%        |
| 18        | 11.948      | 1697          | 1702        | 1709         | rBV3     | 39882          | 57663         | 2.15%           | 0.267%        |
| 19        | 12.912      | 1862          | 1866        | 1875         | rBV3     | 28219          | 41688         | 1.55%           | 0.193%        |
| 20        | 13.189      | 1908          | 1913        | 1917         | rBV      | 2111126        | 2368642       | 88.21%          | 10.988%       |
| 21        | 14.354      | 2107          | 2111        | 2120         | rBV2     | 76516          | 127872        | 4.76%           | 0.593%        |
| 22        | 14.465      | 2125          | 2130        | 2137         | rBV      | 690273         | 780033        | 29.05%          | 3.618%        |
| 23        | 15.142      | 2240          | 2245        | 2252         | rBV5     | 18266          | 34327         | 1.28%           | 0.159%        |
| 24        | 16.095      | 2402          | 2407        | 2416         | rBV      | 450723         | 556590        | 20.73%          | 2.582%        |

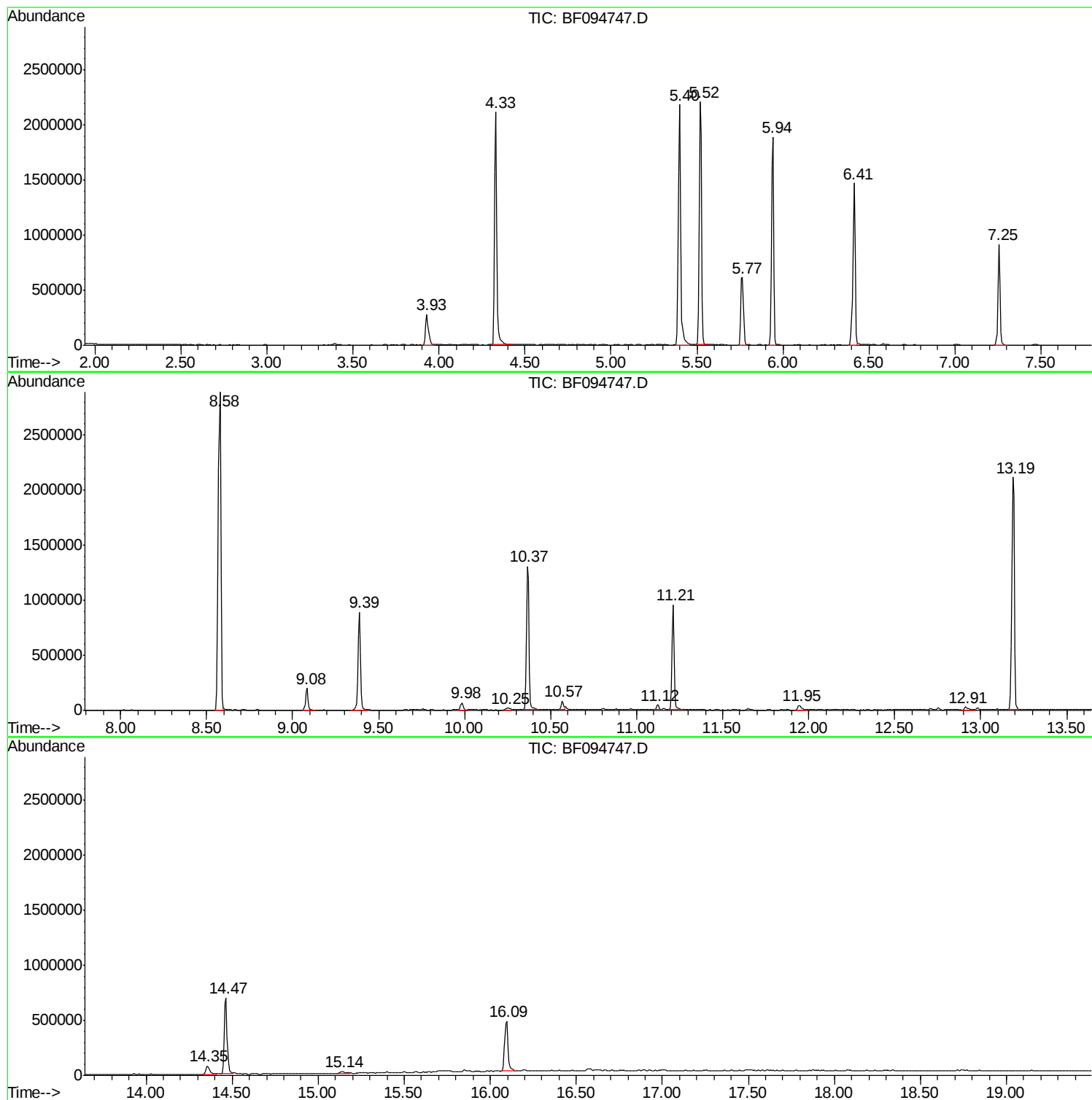
Sum of corrected areas: 21557272

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF050117\  
Data File : BF094747.D  
Acq On : 1 May 2017 13:20  
Operator : SJ/MA  
Sample : I2912-02  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EASTWALL-2-042717

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF041717.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\BF050117\  
Data File : BF094747.D  
Acq On : 1 May 2017 13:20  
Operator : SJ/MA  
Sample : I2912-02  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EASTWALL-2-042717

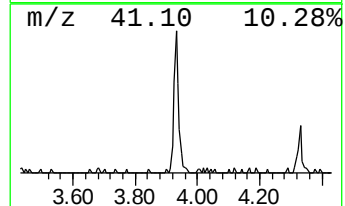
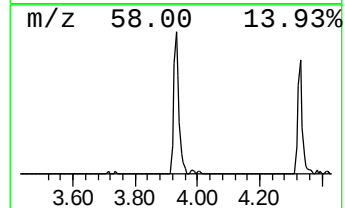
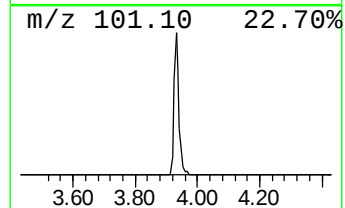
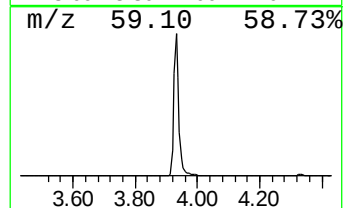
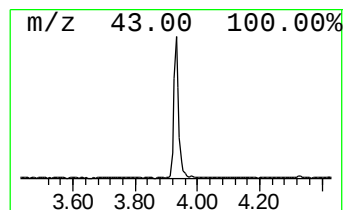
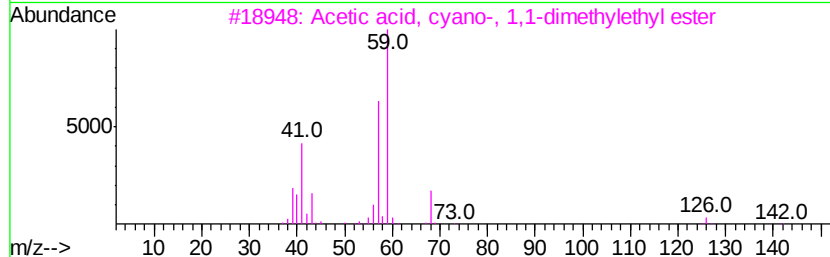
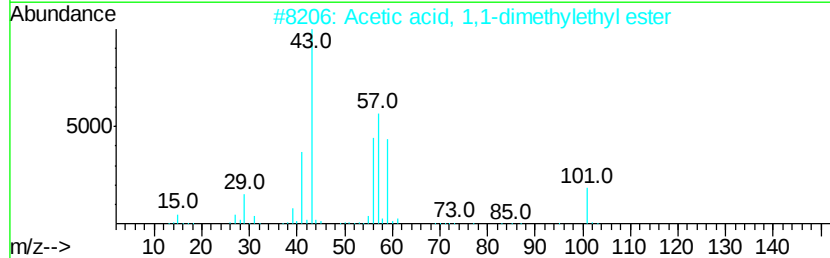
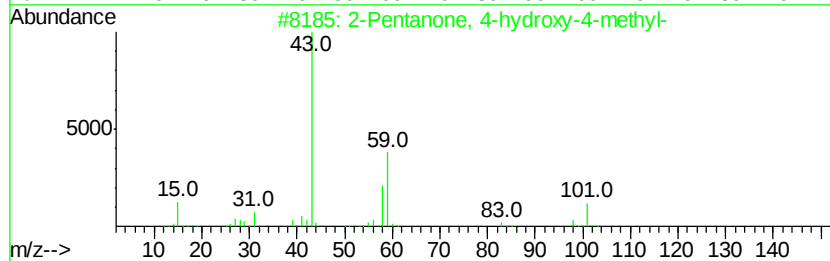
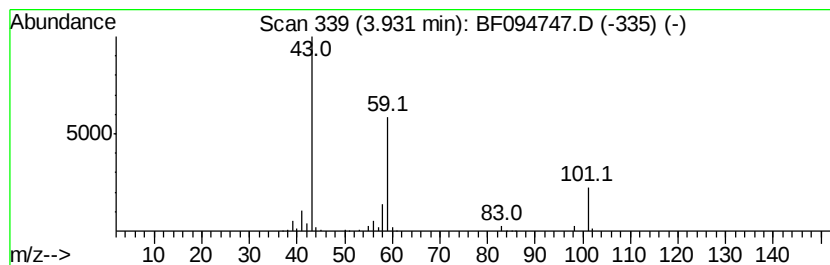
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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. |
|------|----------|--------|------------------------|------|
| 3.93 | 10.22 ng | 302692 | 1,4-Dichlorobenzene-d4 | 5.77 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 40   |
| 2    |    | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2  | 000540-88-5 | 39   |
| 3    |    | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 25   |
| 4    |    | 2,3-Butanedione, monooxime          | 101 | C4H7NO2  | 000057-71-6 | 9    |
| 5    |    | 5-Hexen-2-one                       | 98  | C6H10O   | 000109-49-9 | 9    |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF050117\  
Data File : BF094747.D  
Acq On : 1 May 2017 13:20  
Operator : SJ/MA  
Sample : I2912-02  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EASTWALL-2-042717

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF041717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

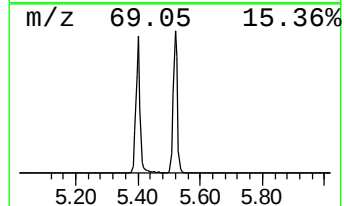
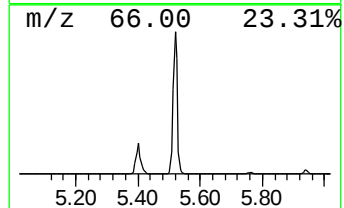
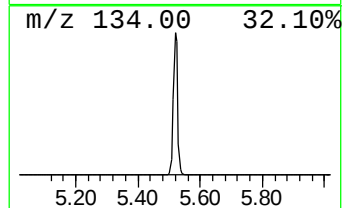
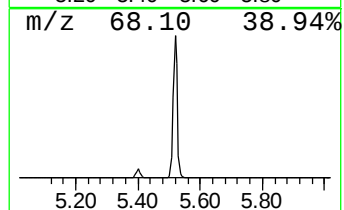
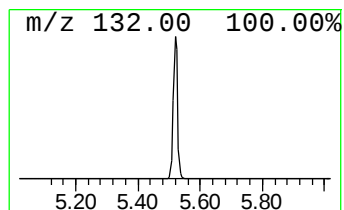
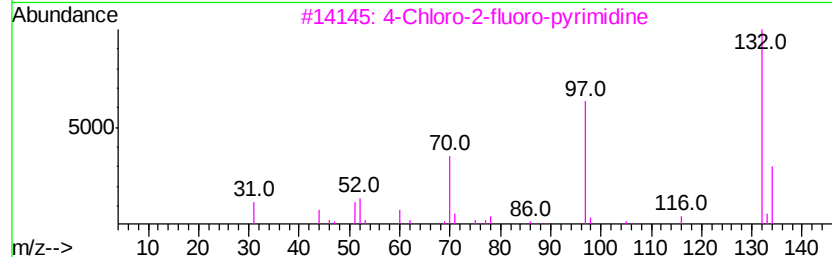
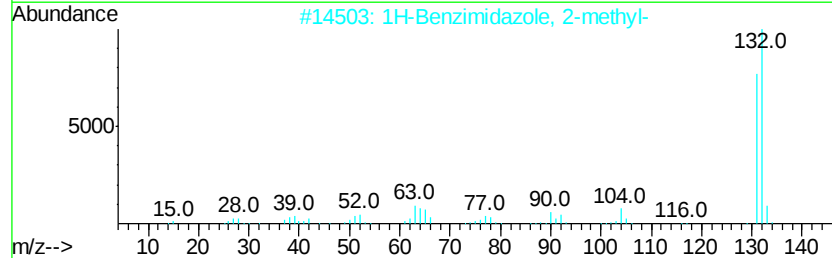
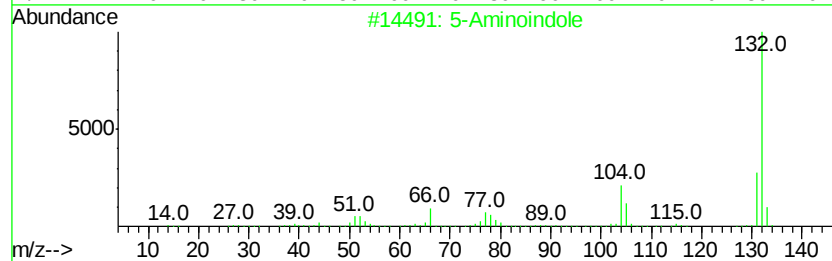
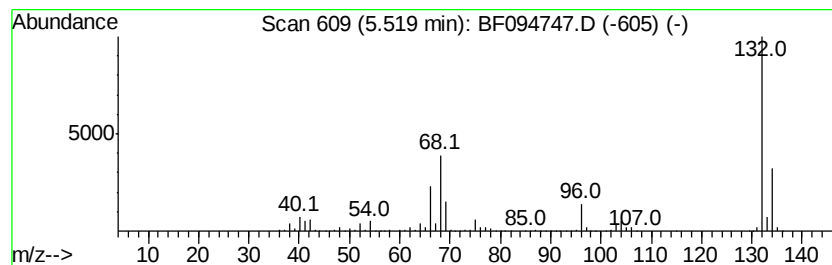
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 unknown5.52 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 5.52 | 73.41 ng | 2173350 | 1,4-Dichlorobenzene-d4 | 5.77 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|-------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | 5-Aminoindole                       | 132 | C8H8N2    | 005192-03-0 | 12   |
| 2    |    | 1H-Benzimidazole, 2-methyl-         | 132 | C8H8N2    | 000615-15-6 | 10   |
| 3    |    | 4-Chloro-2-fluoro-pyrimidine        | 132 | C4H2ClFN2 | 051422-00-5 | 9    |
| 4    |    | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2    | 022291-85-6 | 9    |
| 5    |    | 1-Methylpyrrolo[1,2-a]pyrazine      | 132 | C8H8N2    | 064608-59-9 | 9    |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF050117\  
Data File : BF094747.D  
Acq On : 1 May 2017 13:20  
Operator : SJ/MA  
Sample : I2912-02  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EASTWALL-2-042717

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF041717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

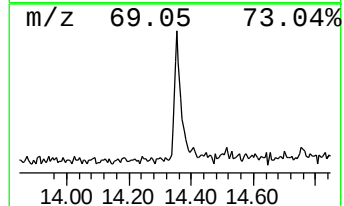
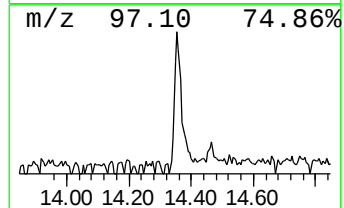
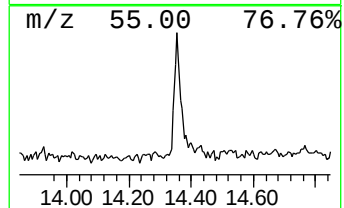
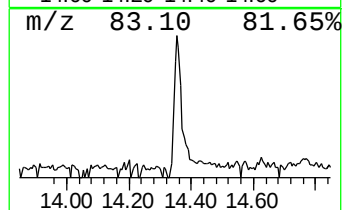
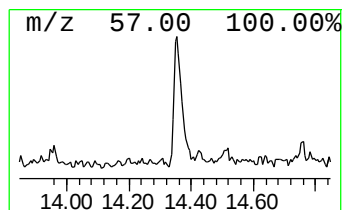
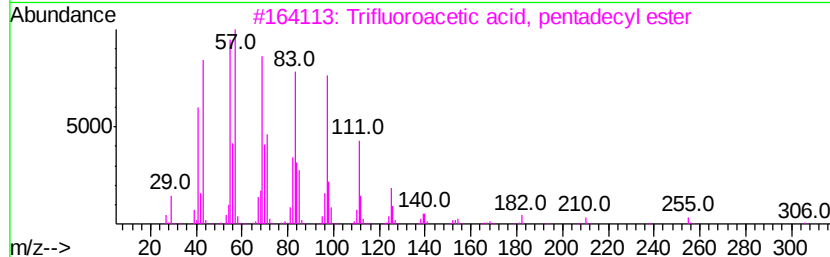
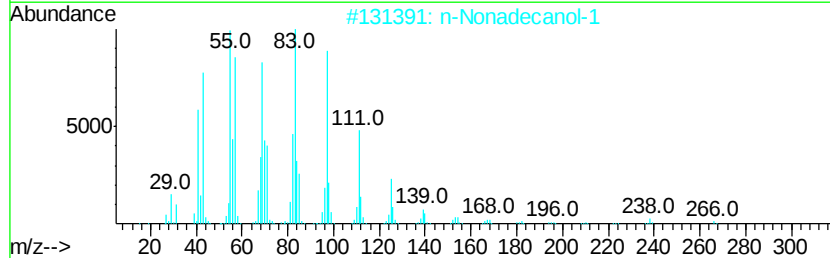
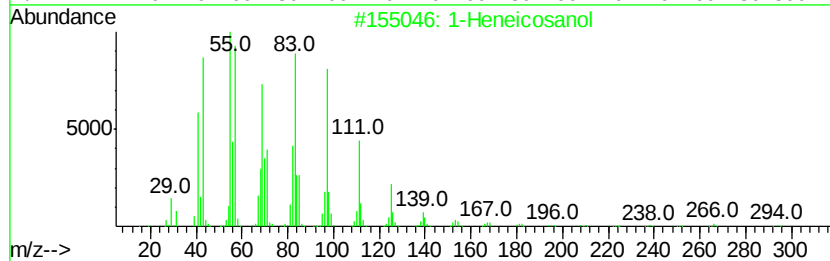
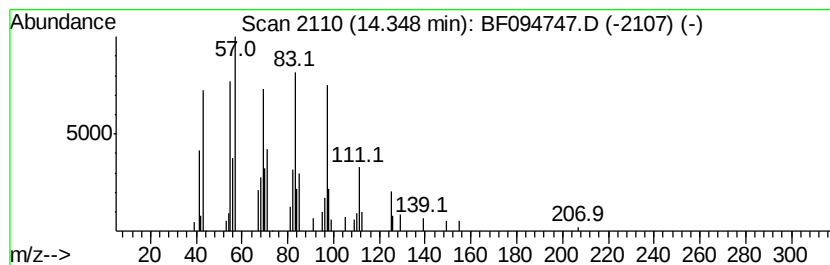
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 1-Heneicosanol Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.35 | 3.28 ng | 127872 | Chrysene-d12     | 14.47 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|---------|---|-------------------------------------|-----|------------|-------------|------|
| 1       |   | 1-Heneicosanol                      | 312 | C21H44O    | 015594-90-8 | 95   |
| 2       |   | n-Nonadecanol-1                     | 284 | C19H40O    | 001454-84-8 | 94   |
| 3       |   | Trifluoroacetic acid, pentadecyl... | 324 | C17H31F3O2 | 959010-23-2 | 94   |
| 4       |   | Pentafluoropropionic acid, penta... | 374 | C18H31F5O2 | 959092-08-1 | 94   |
| 5       |   | Heptafluorobutyric acid, n-tetra... | 410 | C18H29F7O2 | 007365-36-8 | 94   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF050117\  
Data File : BF094747.D  
Acq On : 1 May 2017 13:20  
Operator : SJ/MA  
Sample : I2912-02  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EASTWALL-2-042717

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF041717.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... | 3.93  | 10.2    | ng    | 302692   | 1                     | 5.77  | 592079 | 20.0 |
| unknown5.52          | 5.52  | 73.4    | ng    | 2173350  | 1                     | 5.77  | 592079 | 20.0 |
| 1-Heneicosanol       | 14.35 | 3.3     | ng    | 127872   | 5                     | 14.47 | 780033 | 20.0 |