

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF101116\  
 Data File : BF090522.D  
 Acq On : 12 Oct 2016 00:29  
 Operator : UM/SJ  
 Sample : H5146-10  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S8-EB-2016-5

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-BF101116.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 5.148       | 244           | 246         | 249          | rBV      | 439989         | 478312        | 5.82%           | 1.005%        |
| 2         | 5.526       | 277           | 279         | 281          | rBV      | 56796          | 105437        | 1.28%           | 0.221%        |
| 3         | 5.571       | 281           | 283         | 285          | rVB      | 2890206        | 2586926       | 31.47%          | 5.434%        |
| 4         | 6.589       | 370           | 372         | 374          | rVB      | 1924403        | 1705503       | 20.75%          | 3.583%        |
| 5         | 6.726       | 381           | 384         | 386          | rBV      | 5007006        | 4716668       | 57.38%          | 9.908%        |
| 6         | 6.954       | 402           | 404         | 406          | rBV      | 1404850        | 1276308       | 15.53%          | 2.681%        |
| 7         | 7.114       | 415           | 418         | 420          | rVB      | 4220654        | 4588111       | 55.82%          | 9.638%        |
| 8         | 7.514       | 450           | 453         | 456          | rVB      | 3036592        | 3288767       | 40.01%          | 6.908%        |
| 9         | 8.234       | 514           | 516         | 519          | rBV      | 1298468        | 1673506       | 20.36%          | 3.515%        |
| 10        | 9.320       | 608           | 611         | 613          | rBV      | 7275356        | 7198285       | 87.57%          | 15.121%       |
| 11        | 9.995       | 668           | 670         | 673          | rVB      | 1972901        | 1857778       | 22.60%          | 3.902%        |
| 12        | 10.795      | 736           | 740         | 742          | rBV      | 3889905        | 4753531       | 57.83%          | 9.985%        |
| 13        | 11.480      | 798           | 800         | 803          | rBV2     | 1644524        | 1924713       | 23.41%          | 4.043%        |
| 14        | 13.081      | 937           | 940         | 942          | rBV      | 8011379        | 8220190       | 100.00%         | 17.267%       |
| 15        | 14.132      | 1029          | 1032        | 1034         | rBV      | 1556431        | 1869778       | 22.75%          | 3.928%        |
| 16        | 15.607      | 1158          | 1161        | 1164         | rBV      | 1089182        | 1361302       | 16.56%          | 2.860%        |

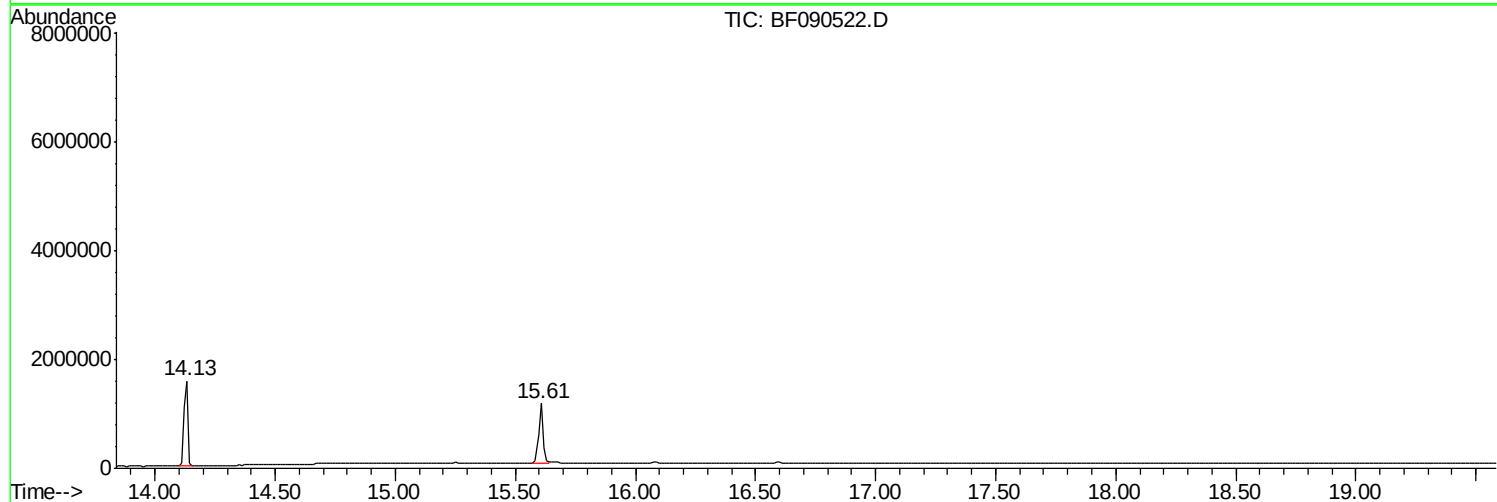
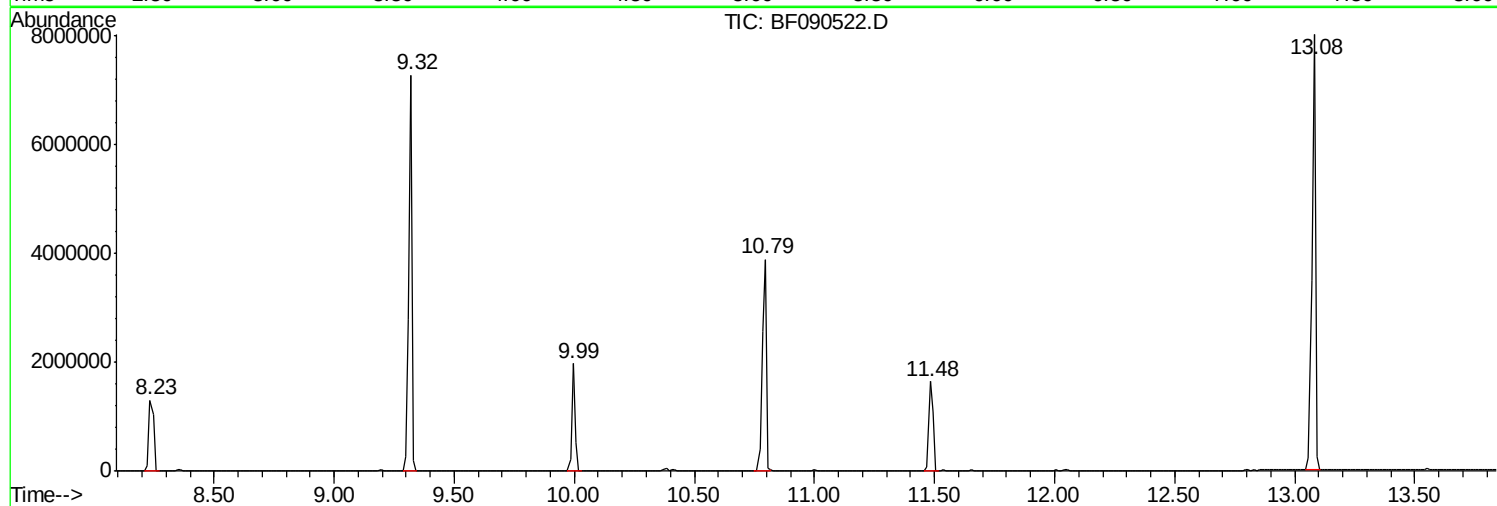
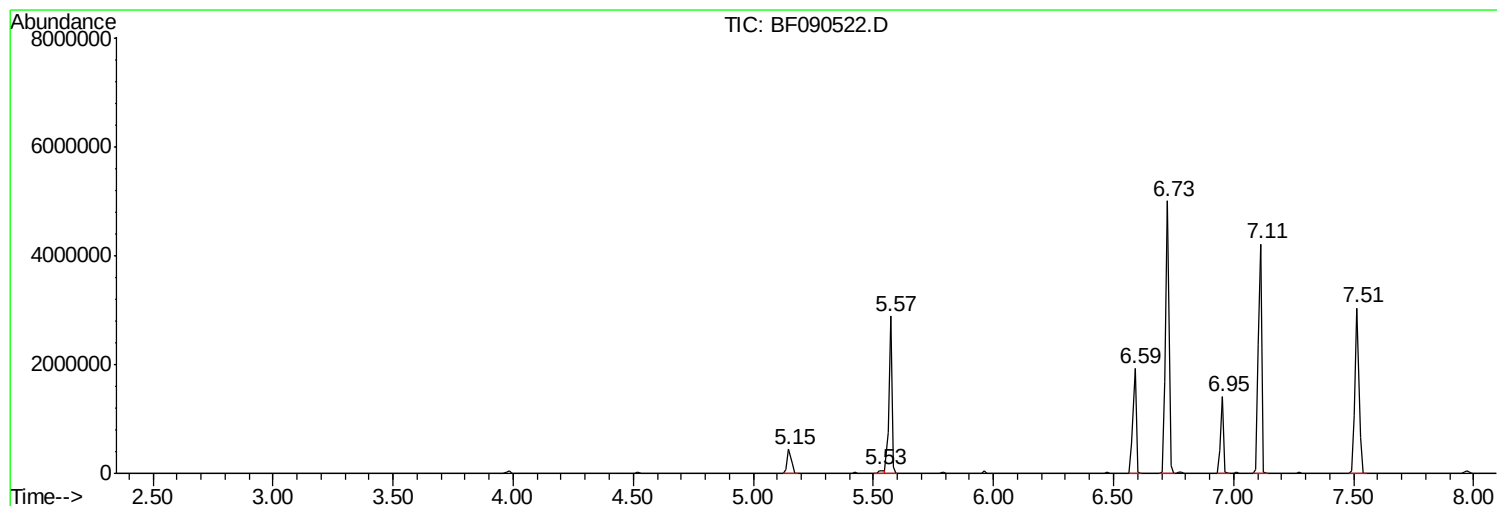
Sum of corrected areas: 47605115

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101116\  
Data File : BF090522.D  
Acq On : 12 Oct 2016 00:29  
Operator : UM/SJ  
Sample : H5146-10  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
S8-EB-2016-5

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF101116.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\BF101116\  
Data File : BF090522.D  
Acq On : 12 Oct 2016 00:29  
Operator : UM/SJ  
Sample : H5146-10  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
S8-EB-2016-5

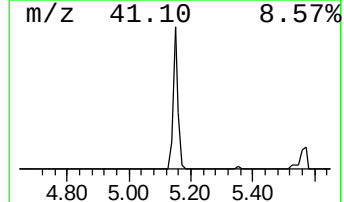
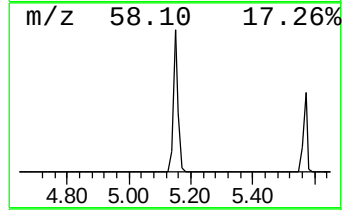
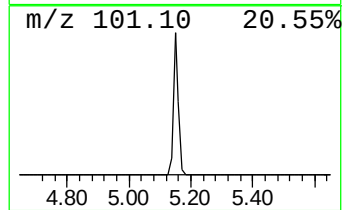
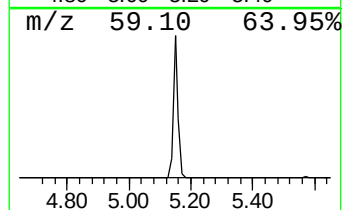
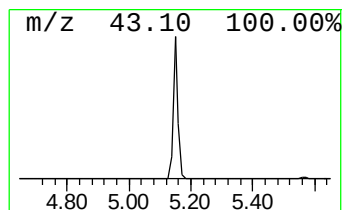
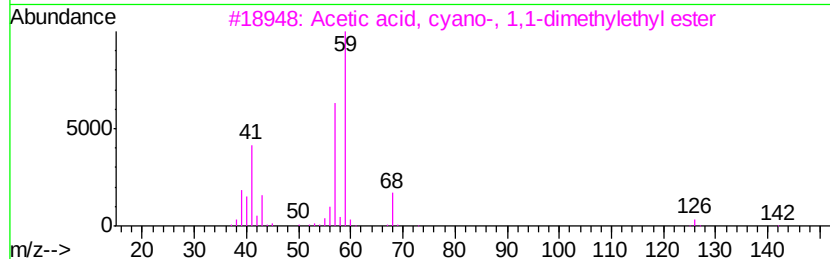
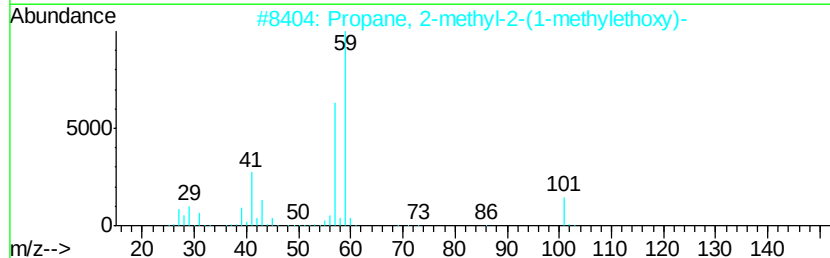
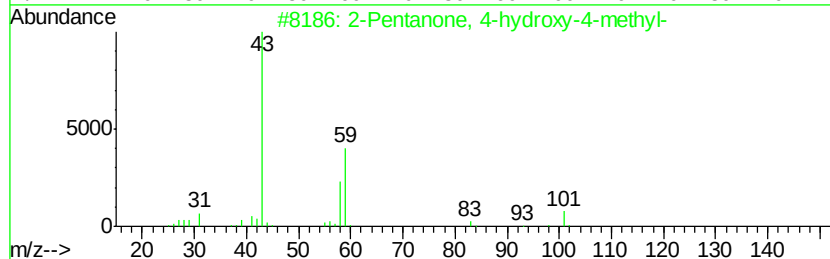
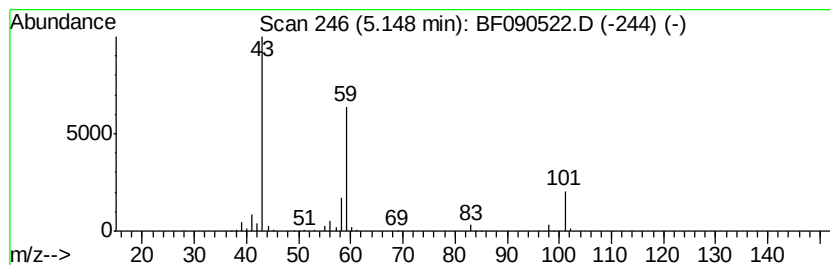
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF101116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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. |
|------|---------|--------|------------------------|------|
| 5.15 | 7.50 ng | 478312 | 1,4-Dichlorobenzene-d4 | 6.95 |

| Hit# | of | 5 | Tentative ID                          | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-      | 116 | C6H12O2  | 000123-42-2 | 56   |
| 2    |    |   | Propane, 2-methyl-2-(1-methylethoxy)- | 116 | C7H16O   | 017348-59-3 | 36   |
| 3    |    |   | Acetic acid, cyano-, 1,1-dimethyl-    | 141 | C7H11NO2 | 001116-98-9 | 17   |
| 4    |    |   | 5-Hexen-2-one                         | 98  | C6H10O   | 000109-49-9 | 9    |
| 5    |    |   | Acetone                               | 58  | C3H6O    | 000067-64-1 | 9    |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101116\  
Data File : BF090522.D  
Acq On : 12 Oct 2016 00:29  
Operator : UM/SJ  
Sample : H5146-10  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
S8-EB-2016-5

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

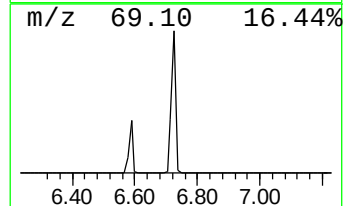
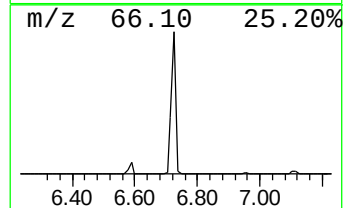
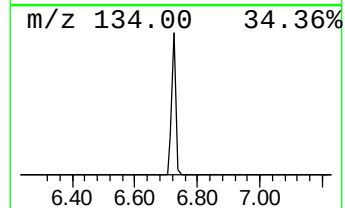
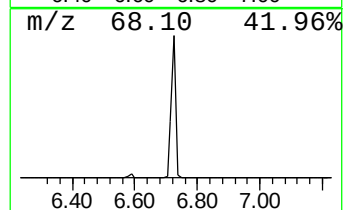
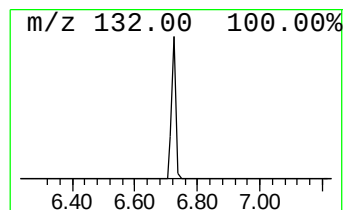
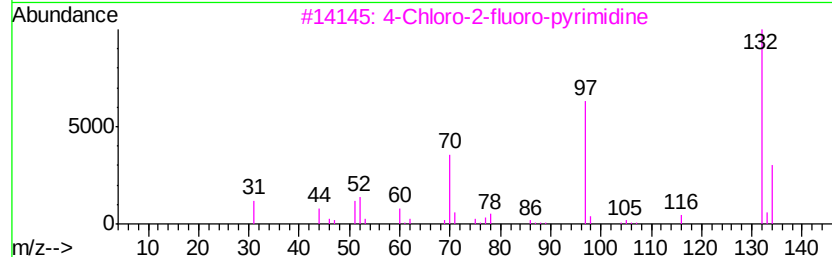
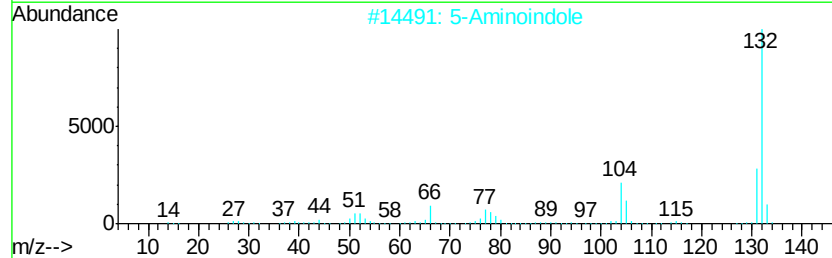
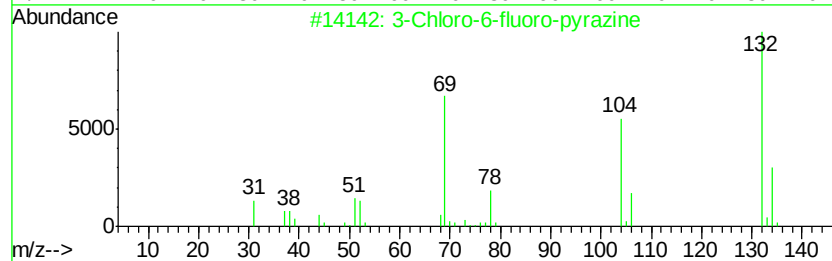
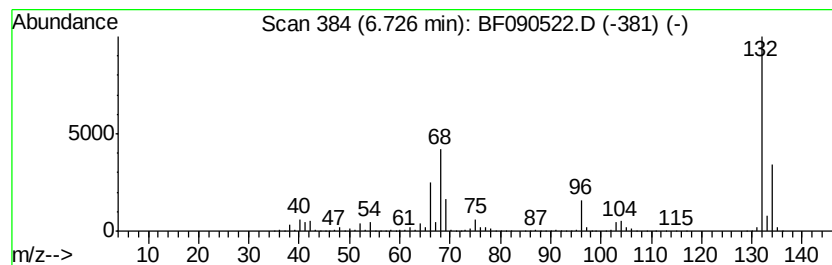
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 unknown6.73 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.73 | 73.91 ng | 4716670 | 1,4-Dichlorobenzene-d4 | 6.95 |

| Hit# | of | Tentative ID                 | MW  | MolForm   | CAS#         | Qual |
|------|----|------------------------------|-----|-----------|--------------|------|
| 1    | 3  | Chloro-6-fluoro-pyrazine     | 132 | C4H2ClFN2 | 1000146-10-7 | 16   |
| 2    | 5  | Aminoindole                  | 132 | C8H8N2    | 005192-03-0  | 12   |
| 3    | 4  | Chloro-2-fluoro-pyrimidine   | 132 | C4H2ClFN2 | 051422-00-5  | 9    |
| 4    | 1H | Benzimidazole, 2-methyl-     | 132 | C8H8N2    | 000615-15-6  | 9    |
| 5    | 1  | Methylpyrrolo[1,2-a]pyrazine | 132 | C8H8N2    | 064608-59-9  | 9    |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF101116\  
Data File : BF090522.D  
Acq On : 12 Oct 2016 00:29  
Operator : UM/SJ  
Sample : H5146-10  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
S8-EB-2016-5

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF101116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| TIC Top Hit name     | RT   | EstConc | Units | Response | ---Internal Standard--- |      |         |      |
|----------------------|------|---------|-------|----------|-------------------------|------|---------|------|
|                      |      |         |       |          | #                       | RT   | Resp    | Conc |
| 2-Pentanone, 4-hy... | 5.15 | 7.5     | ng    | 478312   | 1                       | 6.95 | 1276310 | 20.0 |
| unknown6.73          | 6.73 | 73.9    | ng    | 4716670  | 1                       | 6.95 | 1276310 | 20.0 |