

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM081318\  
 Data File : BM016334.D  
 Acq On : 13 Aug 2018 20:25  
 Operator : SJ/JU  
 Sample : PB111978BL  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB111978BL

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\_M\METHODS\8270-BM072318.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         | 5.169       | 316           | 320         | 329          | rBV      | 95313          | 146016        | 9.04%           | 1.482%        |
| 2         | 5.652       | 396           | 402         | 419          | rBV      | 686857         | 1031539       | 63.85%          | 10.469%       |
| 3         | 7.293       | 675           | 681         | 696          | rBV      | 633246         | 990177        | 61.29%          | 10.049%       |
| 4         | 7.651       | 736           | 742         | 759          | rBV      | 727136         | 1159746       | 71.78%          | 11.770%       |
| 5         | 8.122       | 816           | 822         | 832          | rBB      | 122825         | 194426        | 12.03%          | 1.973%        |
| 6         | 8.440       | 870           | 876         | 888          | rBV      | 591770         | 931936        | 57.68%          | 9.458%        |
| 7         | 9.310       | 1018          | 1024        | 1041         | rBV      | 356862         | 612985        | 37.94%          | 6.221%        |
| 8         | 10.934      | 1294          | 1300        | 1315         | rBB      | 117744         | 199029        | 12.32%          | 2.020%        |
| 9         | 13.375      | 1709          | 1715        | 1728         | rBV      | 855261         | 1167249       | 72.25%          | 11.846%       |
| 10        | 14.757      | 1945          | 1950        | 1958         | rBB2     | 138765         | 198651        | 12.30%          | 2.016%        |
| 11        | 16.245      | 2197          | 2203        | 2213         | rBV      | 621551         | 844353        | 52.26%          | 8.569%        |
| 12        | 17.492      | 2410          | 2415        | 2423         | rBV      | 153598         | 206979        | 12.81%          | 2.101%        |
| 13        | 20.074      | 2848          | 2854        | 2859         | rBV      | 1336889        | 1615615       | 100.00%         | 16.396%       |
| 14        | 21.621      | 3113          | 3117        | 3124         | rBV      | 214554         | 269658        | 16.69%          | 2.737%        |
| 15        | 23.950      | 3508          | 3513        | 3520         | rVB2     | 151619         | 285158        | 17.65%          | 2.894%        |

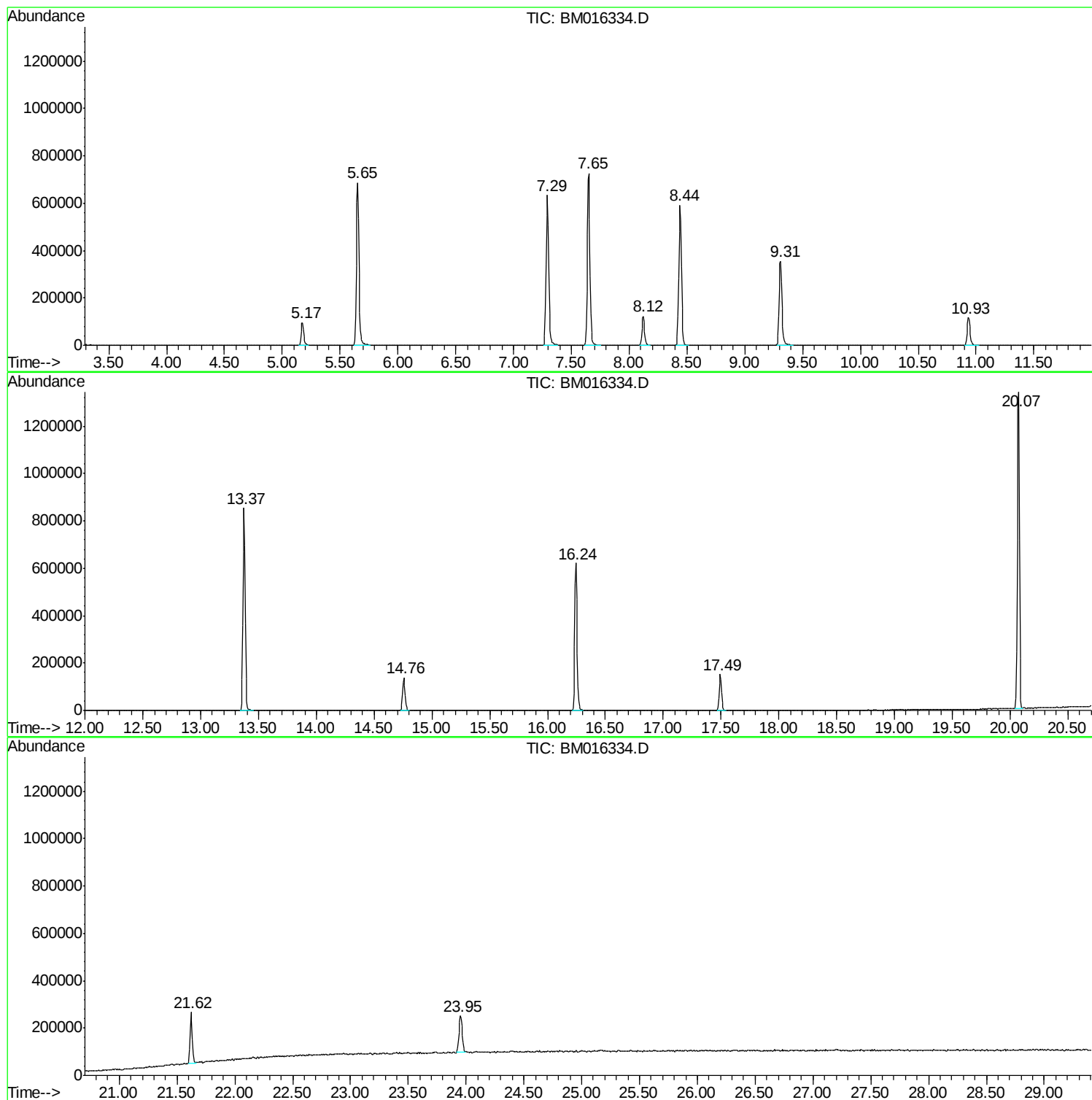
Sum of corrected areas: 9853517

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM081318\  
Data File : BM016334.D  
Acq On : 13 Aug 2018 20:25  
Operator : SJ/JU  
Sample : PB111978BL  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
PB111978BL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM072318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM081318\  
Data File : BM016334.D  
Acq On : 13 Aug 2018 20:25  
Operator : SJ/JU  
Sample : PB111978BL  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
PB111978BL

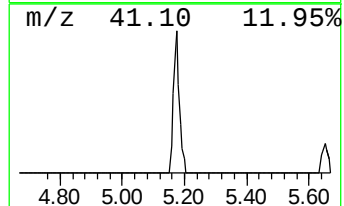
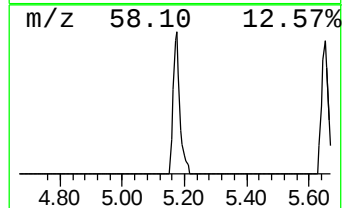
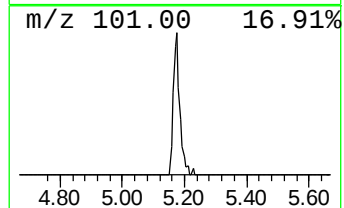
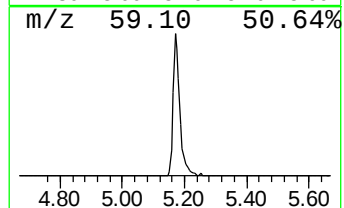
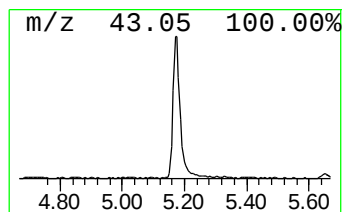
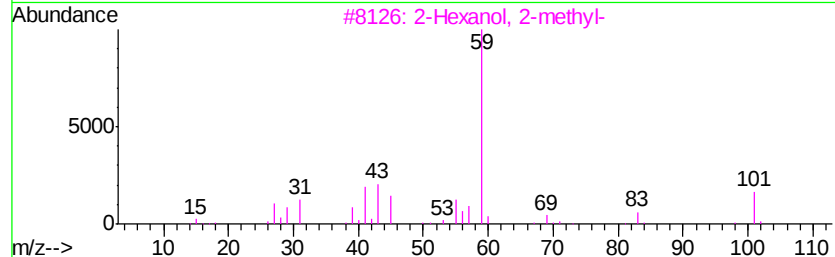
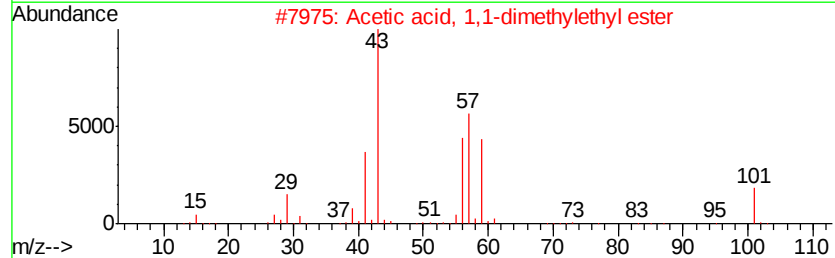
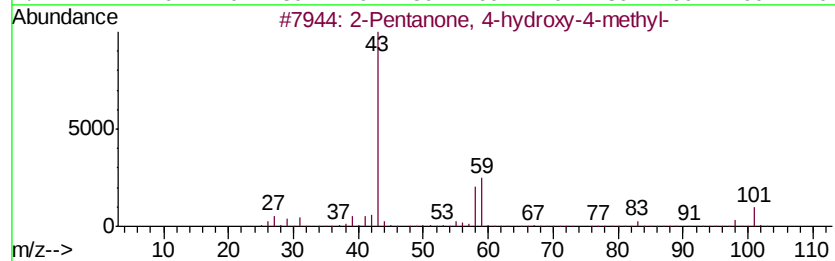
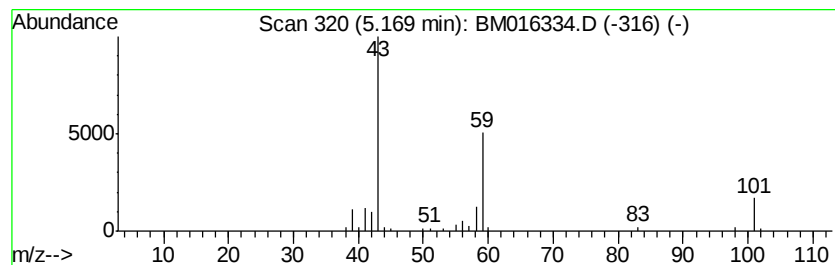
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM072318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.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. |
|------|----------|--------|------------------------|------|
| 5.17 | 15.02 ng | 146016 | 1,4-Dichlorobenzene-d4 | 8.12 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 50   |
| 2    |    | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 36   |
| 3    |    | 2-Hexanol, 2-methyl-                | 116 | C7H16O  | 000625-23-0 | 28   |
| 4    |    | 1-Butene, 4-ethoxy-                 | 100 | C6H12O  | 044611-46-3 | 25   |
| 5    |    | 4-Pentene-2-ol, 2-methyl            | 100 | C6H12O  | 000624-97-5 | 25   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM081318\  
Data File : BM016334.D  
Acq On : 13 Aug 2018 20:25  
Operator : SJ/JU  
Sample : PB111978BL  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
PB111978BL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM072318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

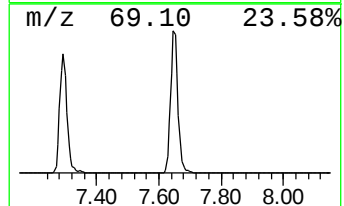
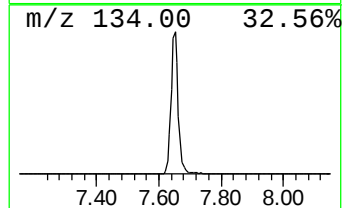
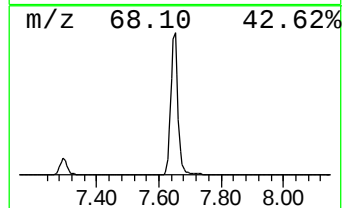
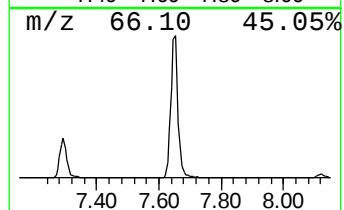
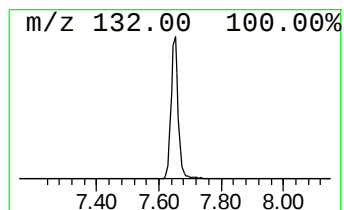
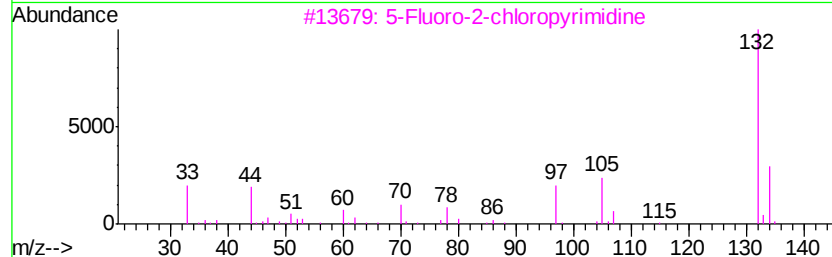
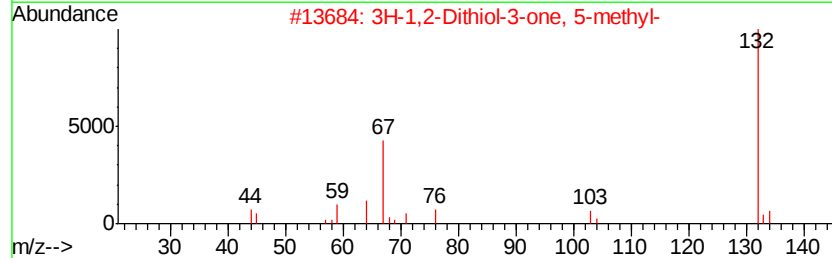
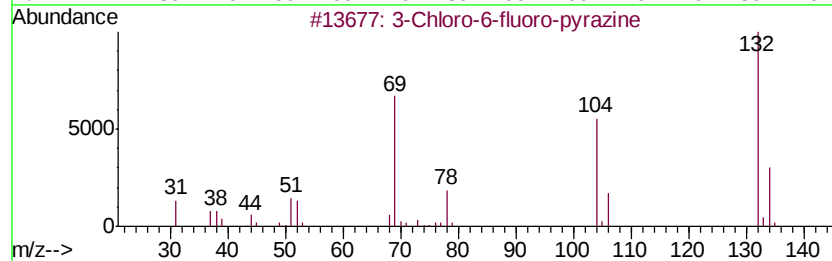
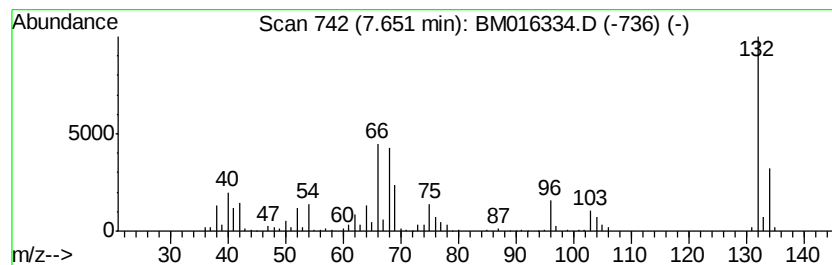
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 unknown7.65 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 7.65 | 119.30 ng | 1159750 | 1,4-Dichlorobenzene-d4 | 8.12 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 14   |
| 2    |    | 3H-1,2-Dithiol-3-one, 5-methyl-     | 132 | C4H4OS2   | 003620-08-4  | 14   |
| 3    |    | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0  | 14   |
| 4    |    | 1,3,4-Thiadiazole-2(3H)-thione, ... | 132 | C3H4N2S2  | 029490-19-5  | 14   |
| 5    |    | 1H-Benzimidazole, 2-methyl-         | 132 | C8H8N2    | 000615-15-6  | 14   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM081318\  
Data File : BM016334.D  
Acq On : 13 Aug 2018 20:25  
Operator : SJ/JU  
Sample : PB111978BL  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
PB111978BL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM072318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| 2-Pentanone, 4-hy... | 5.17 | 15.0    | ng    | 146016   | 1                     | 8.12 | 194426 | 20.0 |
| unknown7.65          | 7.65 | 119.3   | ng    | 1159750  | 1                     | 8.12 | 194426 | 20.0 |