

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080318\  
 Data File : BG036098.D  
 Acq On : 3 Aug 2018 17:35  
 Operator : JU/SJ  
 Sample : PB111737BL  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB111737BL

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\_G\METHODS\8270-BG071218.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         | 5.136       | 304           | 314         | 321          | rBV      | 76444          | 120563        | 4.00%           | 1.045%        |
| 2         | 5.606       | 387           | 394         | 408          | rBV      | 500578         | 847208        | 28.07%          | 7.340%        |
| 3         | 7.192       | 653           | 664         | 680          | rBV      | 473167         | 892350        | 29.57%          | 7.731%        |
| 4         | 7.556       | 719           | 726         | 740          | rBV      | 511809         | 890275        | 29.50%          | 7.713%        |
| 5         | 8.020       | 799           | 805         | 815          | rVB      | 89631          | 154390        | 5.12%           | 1.338%        |
| 6         | 8.343       | 853           | 860         | 871          | rVB      | 392717         | 694526        | 23.01%          | 6.017%        |
| 7         | 9.183       | 995           | 1003        | 1017         | rBV      | 290955         | 551758        | 18.28%          | 4.780%        |
| 8         | 10.828      | 1277          | 1283        | 1293         | rBV      | 84603          | 176809        | 5.86%           | 1.532%        |
| 9         | 13.266      | 1688          | 1698        | 1711         | rBV      | 824294         | 1376048       | 45.60%          | 11.922%       |
| 10        | 14.652      | 1927          | 1934        | 1949         | rBV2     | 150813         | 288338        | 9.55%           | 2.498%        |
| 11        | 16.138      | 2180          | 2187        | 2207         | rBV      | 487444         | 1066596       | 35.34%          | 9.241%        |
| 12        | 17.396      | 2394          | 2401        | 2417         | rBV2     | 226906         | 444212        | 14.72%          | 3.849%        |
| 13        | 19.998      | 2837          | 2844        | 2857         | rBV      | 2161949        | 3017781       | 100.00%         | 26.145%       |
| 14        | 21.660      | 3120          | 3127        | 3142         | rBV2     | 259181         | 567304        | 18.80%          | 4.915%        |
| 15        | 24.862      | 3662          | 3672        | 3692         | rBV2     | 113503         | 454107        | 15.05%          | 3.934%        |

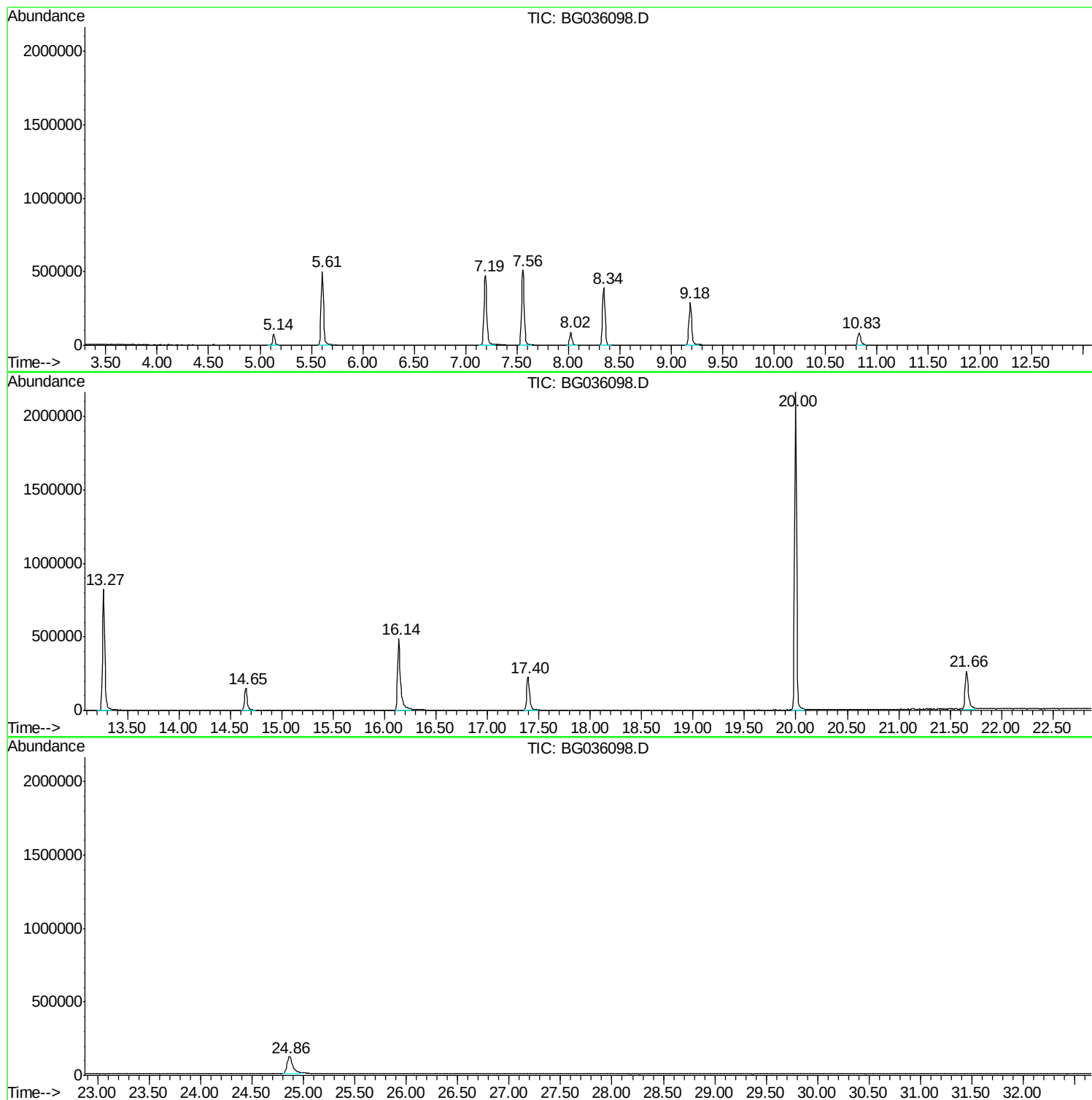
Sum of corrected areas: 11542265

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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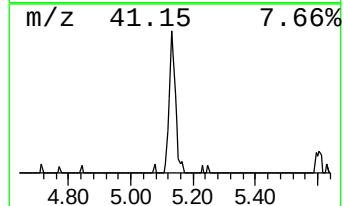
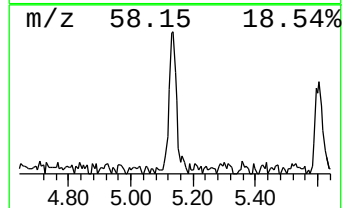
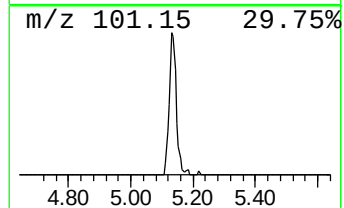
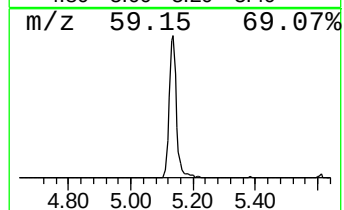
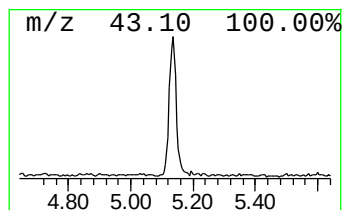
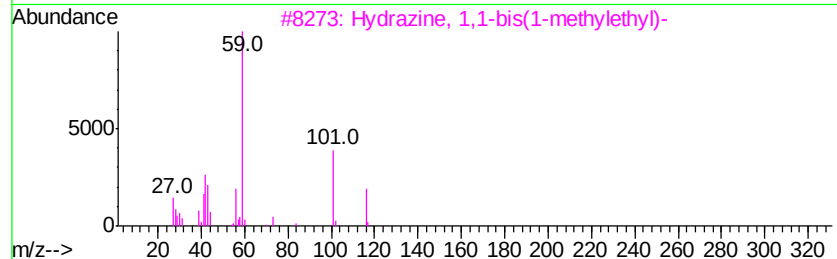
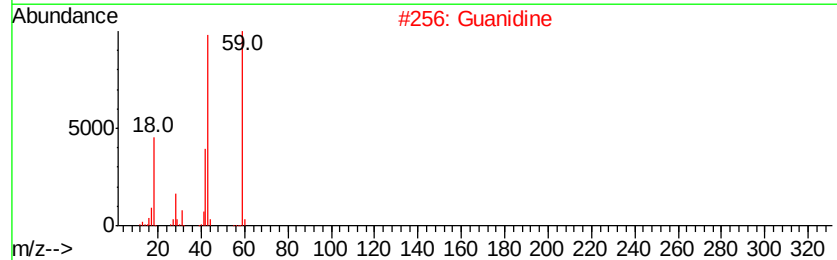
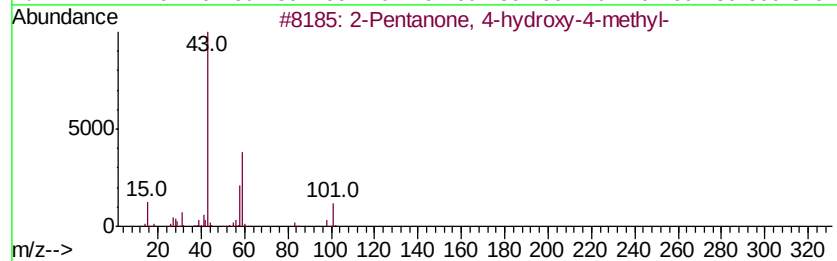
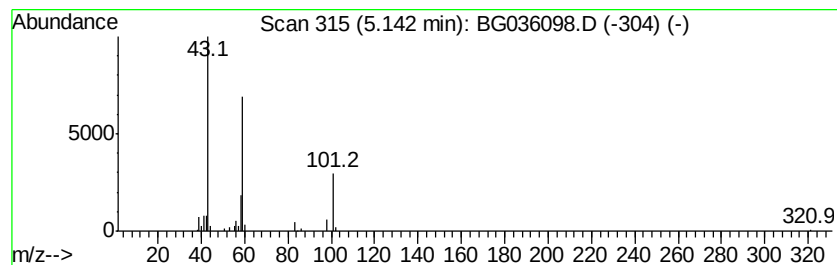
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 5.14 | 15.62 ng | 120563 | 1,4-Dichlorobenzene-d4 | 8.02 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-   | 116 | C6H12O2 | 000123-42-2 | 72   |
| 2    |    |   | Guanidine                          | 59  | CH5N3   | 000113-00-8 | 43   |
| 3    |    |   | Hydrazine, 1,1-bis(1-methylethyl)- | 116 | C6H16N2 | 000921-14-2 | 28   |
| 4    |    |   | Morpholine, 4-methyl-              | 101 | C5H11NO | 000109-02-4 | 9    |
| 5    |    |   | (+)-4-Amino-4,5-dihydro-2(3H)-f... | 101 | C4H7NO2 | 016504-58-8 | 9    |



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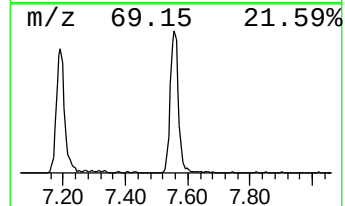
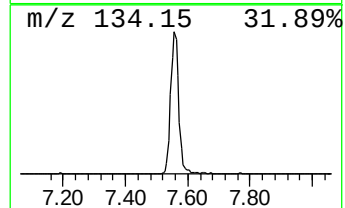
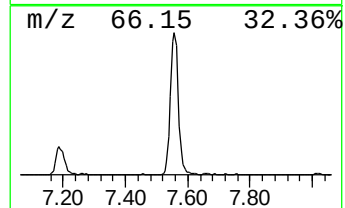
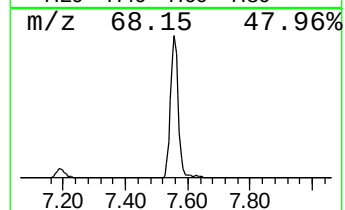
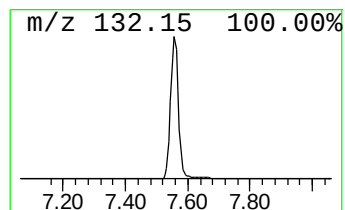
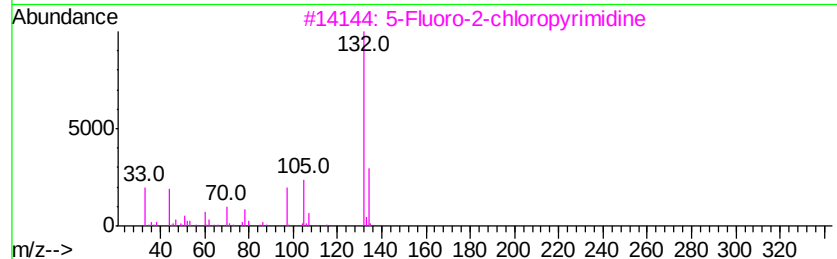
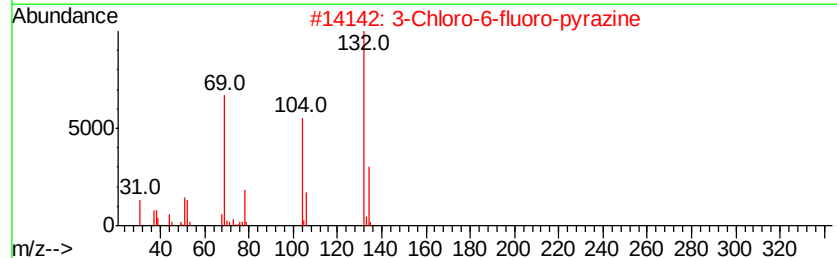
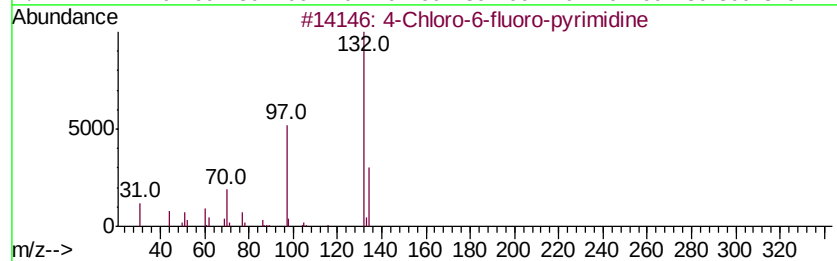
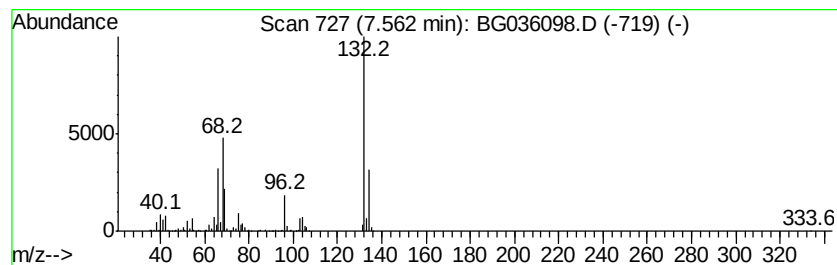
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Peak Number 2 unknown7.56 Concentration Rank 1

| R.T. | EstConc   | Area   | Relative to ISTD       | R.T. |
|------|-----------|--------|------------------------|------|
| 7.56 | 115.33 ng | 890275 | 1,4-Dichlorobenzene-d4 | 8.02 |

| Hit# of 5 | Tentative ID                 | MW  | MolForm   | CAS#         | Qual |
|-----------|------------------------------|-----|-----------|--------------|------|
| 1         | 4-Chloro-6-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-01-6  | 27   |
| 2         | 3-Chloro-6-fluoro-pyrazine   | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 3         | 5-Fluoro-2-chloropyrimidine  | 132 | C4H2ClFN2 | 062802-42-0  | 27   |
| 4         | 1H-Benzimidazole, 2-methyl-  | 132 | C8H8N2    | 000615-15-6  | 22   |
| 5         | 1,3,5-Trifluorobenzene       | 132 | C6H3F3    | 000372-38-3  | 14   |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| 2-Pentanone, 4-hy... | 5.14 | 15.6    | ng    | 120563   | 1                     | 8.02 | 154390 | 20.0 |
| unknown7.56          | 7.56 | 115.3   | ng    | 890275   | 1                     | 8.02 | 154390 | 20.0 |