

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG091417\  
 Data File : BG028759.D  
 Acq On : 15 Sep 2017 8:37  
 Operator : SJ/JU  
 Sample : I5223-01  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 090917-SIDI-E-D-B

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\_G\METHODS\8270-BG091217.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         | 5.438       | 307           | 315         | 323          | rBV      | 49583          | 84069         | 2.82%           | 0.757%        |
| 2         | 5.902       | 388           | 394         | 403          | rBV      | 227911         | 387066        | 13.00%          | 3.487%        |
| 3         | 7.483       | 655           | 663         | 674          | rBV      | 178362         | 357399        | 12.00%          | 3.220%        |
| 4         | 7.859       | 719           | 727         | 742          | rVB      | 298443         | 528371        | 17.75%          | 4.760%        |
| 5         | 8.329       | 799           | 807         | 816          | rVB2     | 102931         | 190232        | 6.39%           | 1.714%        |
| 6         | 8.652       | 854           | 862         | 871          | rBV      | 377128         | 666575        | 22.39%          | 6.005%        |
| 7         | 9.498       | 997           | 1006        | 1015         | rBV      | 291434         | 565586        | 19.00%          | 5.096%        |
| 8         | 11.143      | 1279          | 1286        | 1299         | rVB      | 130515         | 255942        | 8.60%           | 2.306%        |
| 9         | 13.558      | 1688          | 1697        | 1714         | rBV      | 963931         | 1520876       | 51.08%          | 13.702%       |
| 10        | 14.939      | 1925          | 1932        | 1944         | rBV3     | 232358         | 414598        | 13.92%          | 3.735%        |
| 11        | 16.425      | 2177          | 2185        | 2200         | rBV      | 553271         | 956364        | 32.12%          | 8.616%        |
| 12        | 17.689      | 2393          | 2400        | 2410         | rBV2     | 390192         | 615432        | 20.67%          | 5.545%        |
| 13        | 19.939      | 2777          | 2783        | 2786         | rBV2     | 46143          | 59191         | 1.99%           | 0.533%        |
| 14        | 20.274      | 2834          | 2840        | 2848         | rBV      | 2265788        | 2977460       | 100.00%         | 26.825%       |
| 15        | 20.985      | 2957          | 2961        | 2967         | rVB2     | 32335          | 40916         | 1.37%           | 0.369%        |
| 16        | 22.019      | 3130          | 3137        | 3145         | rBV2     | 397866         | 734210        | 24.66%          | 6.615%        |
| 17        | 25.521      | 3714          | 3733        | 3747         | rBV2     | 215098         | 745368        | 25.03%          | 6.715%        |

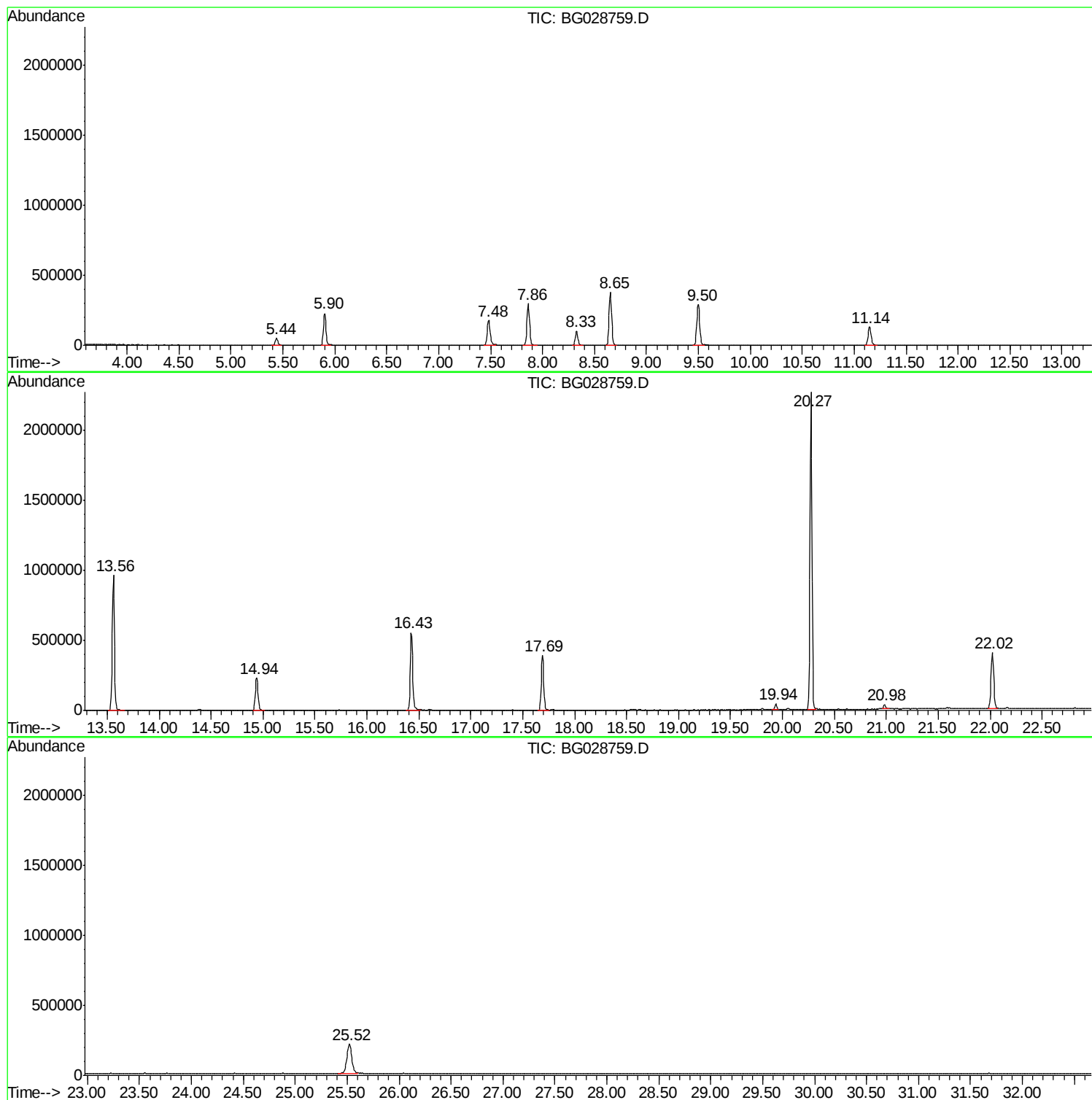
Sum of corrected areas: 11099655

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.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:\HPCHEM1\BNA G\METHODS\8270-BG091217.M  
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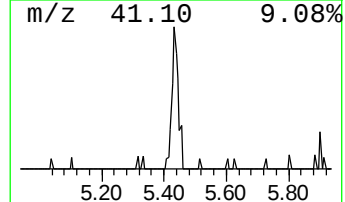
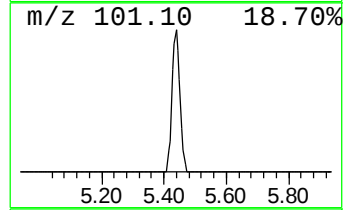
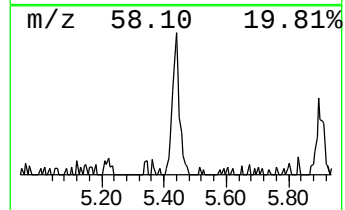
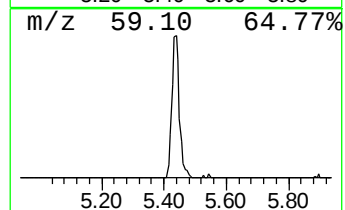
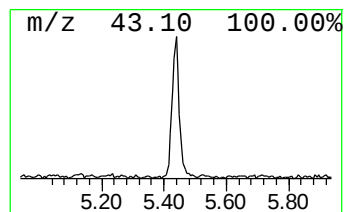
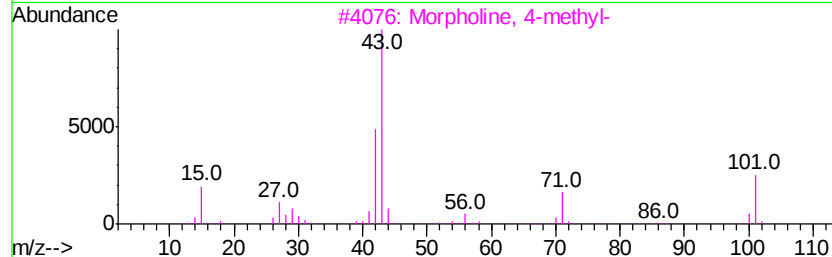
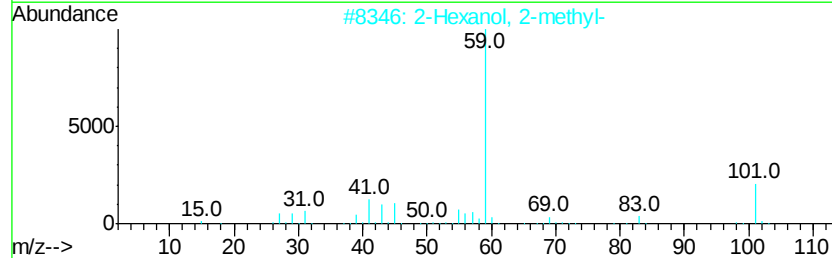
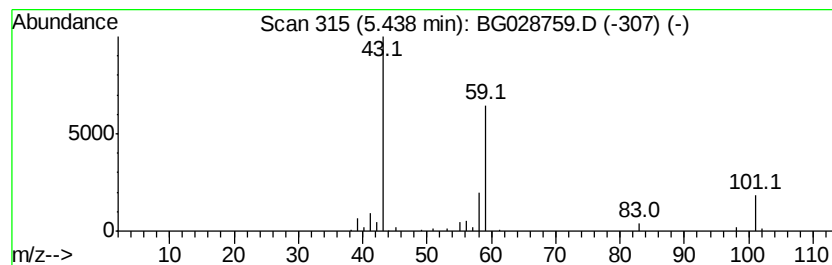
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TIC Integration Parameters: LSCINT.P

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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. |
|------|---------|-------|------------------------|------|
| 5.44 | 8.84 ng | 84069 | 1,4-Dichlorobenzene-d4 | 8.33 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 59   |
| 2    |    |   | 2-Hexanol, 2-methyl-             | 116 | C7H16O  | 000625-23-0 | 28   |
| 3    |    |   | Morpholine, 4-methyl-            | 101 | C5H11NO | 000109-02-4 | 9    |
| 4    |    |   | Butane, 1-ethoxy-                | 102 | C6H14O  | 000628-81-9 | 9    |
| 5    |    |   | 2,3-Butanedione, monooxime       | 101 | C4H7NO2 | 000057-71-6 | 9    |



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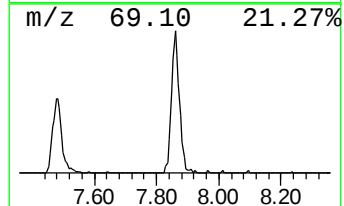
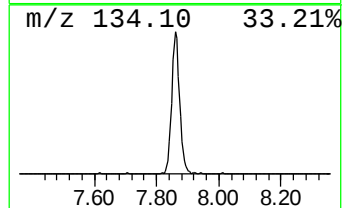
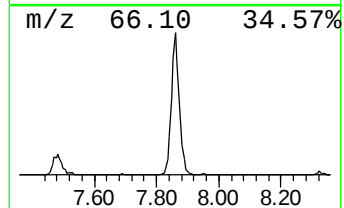
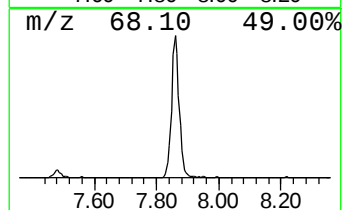
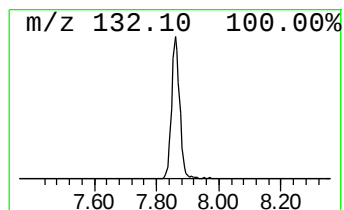
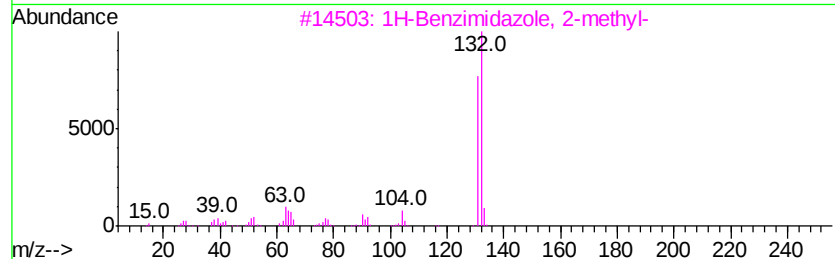
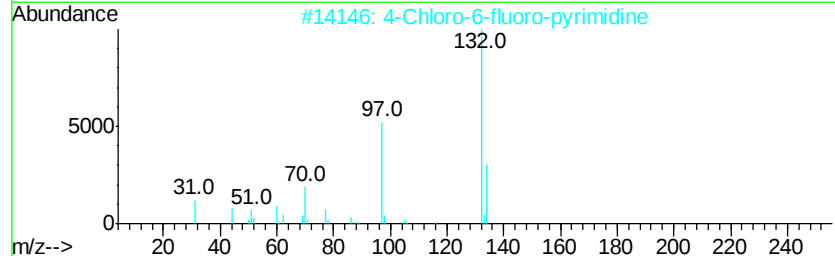
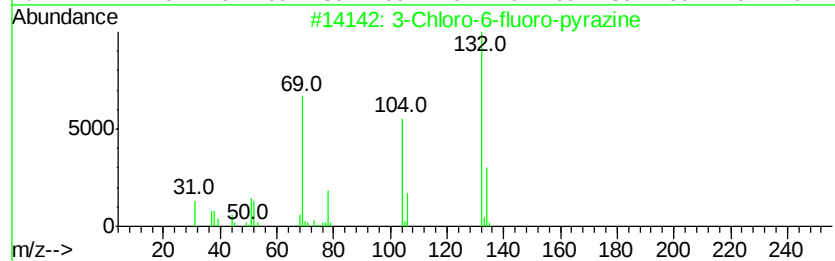
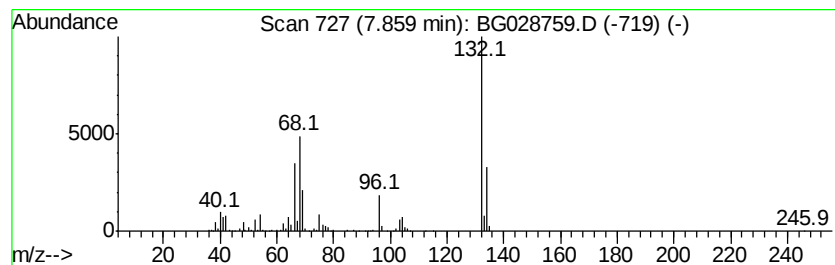
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Peak Number 2 unknown7.86 Concentration Rank 2

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 7.86 | 55.55 ng | 528371 | 1,4-Dichlorobenzene-d4 | 8.33 |

| Hit# | of | Tentative ID                 | MW  | MolForm   | CAS#         | Qual |
|------|----|------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine   | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | 4-Chloro-6-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-01-6  | 27   |
| 3    |    | 1H-Benzimidazole, 2-methyl-  | 132 | C8H8N2    | 000615-15-6  | 16   |
| 4    |    | 5-Fluoro-2-chloropyrimidine  | 132 | C4H2ClFN2 | 062802-42-0  | 12   |
| 5    |    | 5-Aminoindole                | 132 | C8H8N2    | 005192-03-0  | 12   |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| 2-Pentanone, 4-hy... | 5.44 | 8.8     | ng    | 84069    | 1                     | 8.33 | 190232 | 20.0 |
| unknown7.86          | 7.86 | 55.5    | ng    | 528371   | 1                     | 8.33 | 190232 | 20.0 |