

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092117\  
 Data File : BG028866.D  
 Acq On : 21 Sep 2017 20:24  
 Operator : SJ/JU  
 Sample : I5309-08  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-5-COMP

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\_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         | 5.397       | 302           | 308         | 316          | rVB      | 147907         | 235242        | 5.85%           | 1.451%        |
| 2         | 5.861       | 380           | 387         | 404          | rVB      | 697711         | 1157764       | 28.79%          | 7.143%        |
| 3         | 7.442       | 649           | 656         | 668          | rBV      | 594159         | 1101357       | 27.39%          | 6.795%        |
| 4         | 7.824       | 713           | 721         | 736          | rVB      | 714482         | 1247694       | 31.03%          | 7.697%        |
| 5         | 8.288       | 792           | 800         | 808          | rVB      | 121883         | 206350        | 5.13%           | 1.273%        |
| 6         | 8.617       | 847           | 856         | 866          | rBV      | 523083         | 946455        | 23.54%          | 5.839%        |
| 7         | 9.457       | 989           | 999         | 1011         | rBV      | 413896         | 802622        | 19.96%          | 4.952%        |
| 8         | 11.108      | 1273          | 1280        | 1289         | rBV      | 157407         | 285582        | 7.10%           | 1.762%        |
| 9         | 13.523      | 1683          | 1691        | 1701         | rBV      | 1274582        | 2028931       | 50.46%          | 12.517%       |
| 10        | 14.904      | 1919          | 1926        | 1937         | rBV2     | 256218         | 433809        | 10.79%          | 2.676%        |
| 11        | 16.396      | 2173          | 2180        | 2197         | rBV      | 963354         | 1630079       | 40.54%          | 10.056%       |
| 12        | 17.659      | 2384          | 2395        | 2407         | rBV2     | 405455         | 651579        | 16.20%          | 4.020%        |
| 13        | 20.244      | 2829          | 2835        | 2846         | rBV      | 2862616        | 4021245       | 100.00%         | 24.808%       |
| 14        | 21.983      | 3124          | 3131        | 3145         | rBV2     | 388545         | 785059        | 19.52%          | 4.843%        |
| 15        | 25.456      | 3706          | 3722        | 3740         | rBV      | 177310         | 675669        | 16.80%          | 4.168%        |

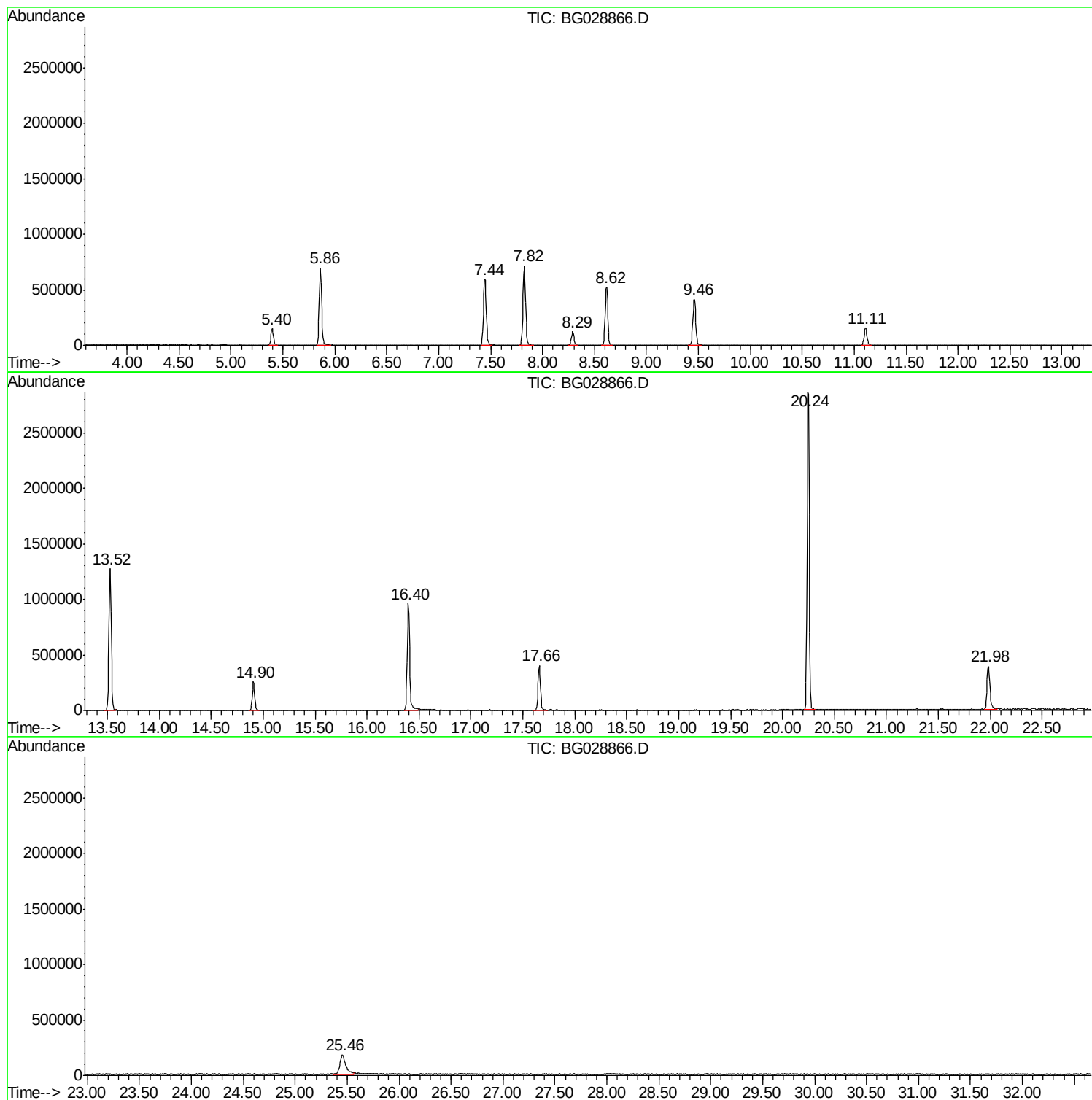
Sum of corrected areas: 16209437

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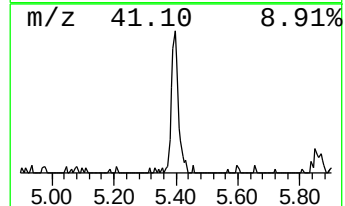
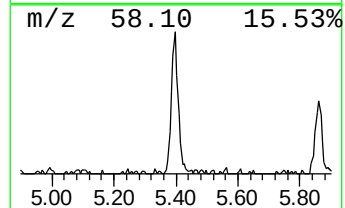
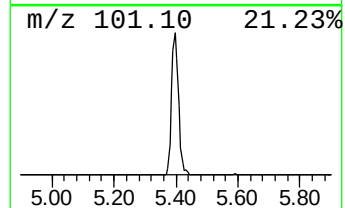
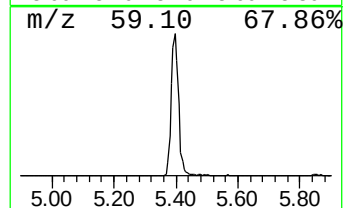
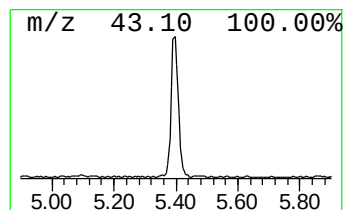
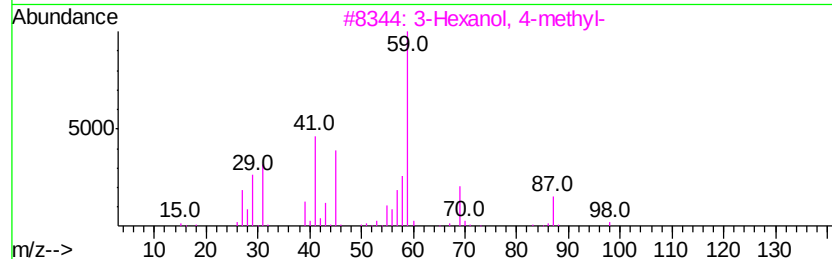
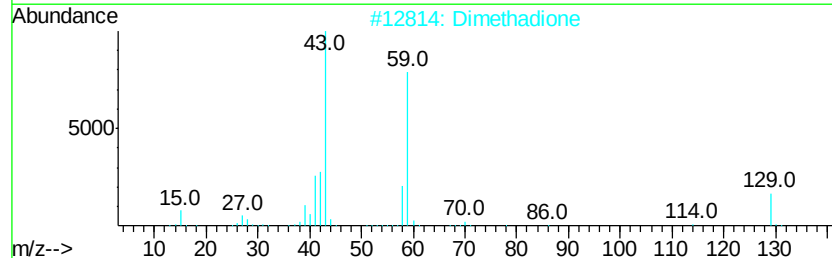
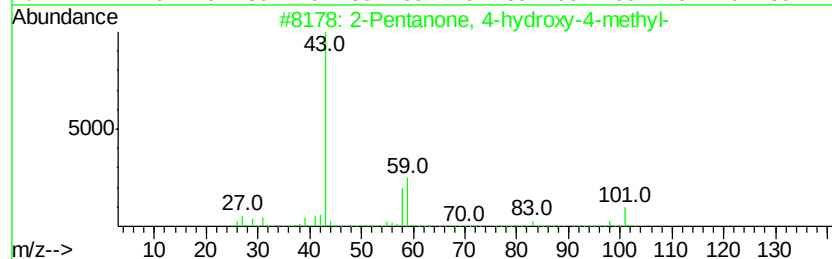
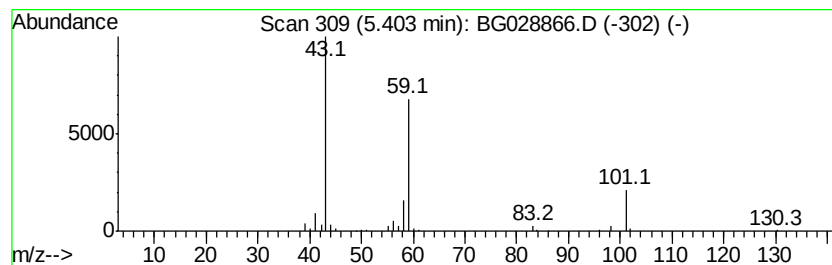
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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 5.40 | 22.80 ng | 235242 | 1,4-Dichlorobenzene-d4 | 8.29 |

| Hit# | of | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-     | 116 | C6H12O2 | 000123-42-2 | 50   |
| 2    |    | Dimethadione                         | 129 | C5H7NO3 | 000695-53-4 | 33   |
| 3    |    | 3-Hexanol, 4-methyl-                 | 116 | C7H16O  | 000615-29-2 | 25   |
| 4    |    | Propane, 2-methyl-2-(1-methylethyl)- | 116 | C7H16O  | 017348-59-3 | 25   |
| 5    |    | 4-Methoxy-1-pentene                  | 100 | C6H12O  | 098386-09-5 | 17   |



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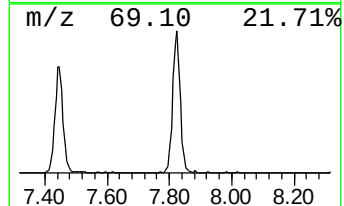
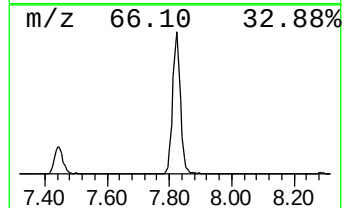
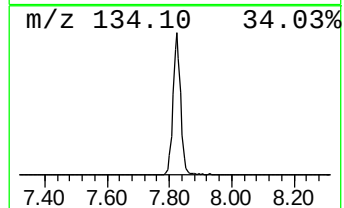
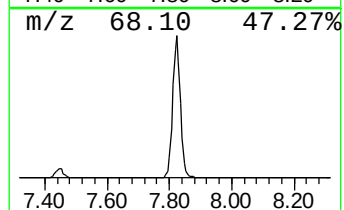
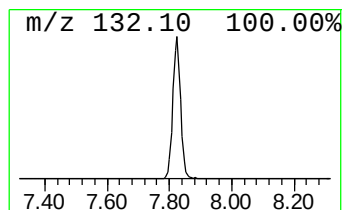
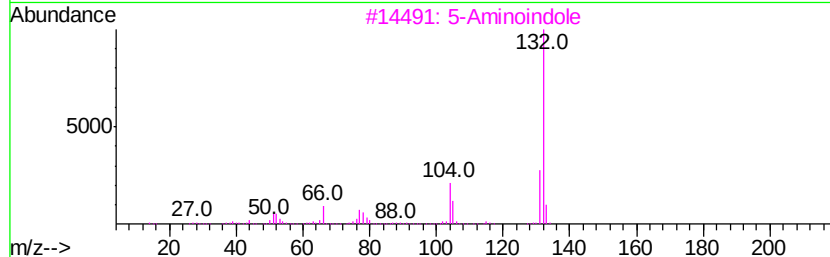
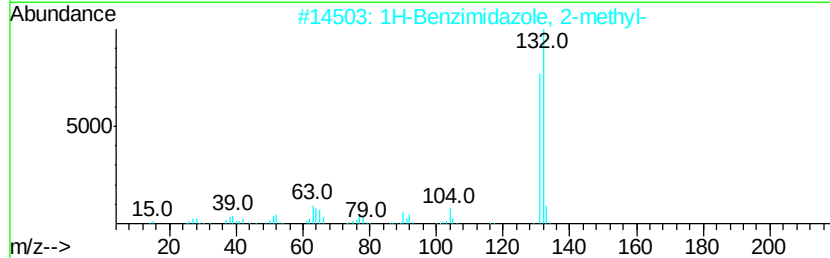
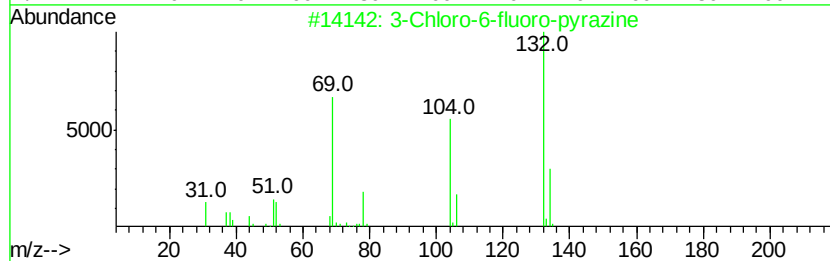
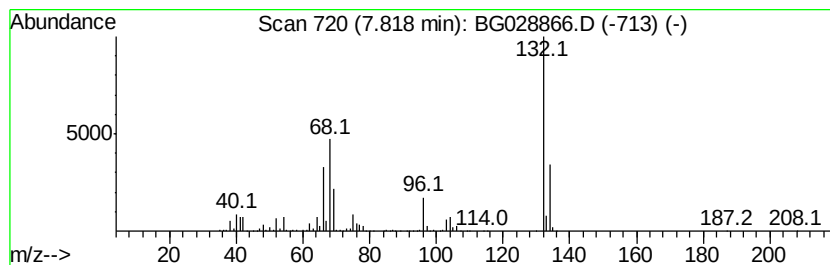
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Peak Number 2 unknown7.82 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 7.82 | 120.93 ng | 1247690 | 1,4-Dichlorobenzene-d4 | 8.29 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | 1H-Benzimidazole, 2-methyl-      | 132 | C8H8N2    | 000615-15-6  | 22   |
| 3    |    | 5-Aminoindole                    | 132 | C8H8N2    | 005192-03-0  | 22   |
| 4    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 12   |
| 5    |    | (5-Methyl-2-pyridyl)acetonitrile | 132 | C8H8N2    | 1000241-93-9 | 10   |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| 2-Pentanone, 4-hy... | 5.40 | 22.8    | ng    | 235242   | 1                     | 8.29 | 206350 | 20.0 |
| unknown7.82          | 7.82 | 120.9   | ng    | 1247690  | 1                     | 8.29 | 206350 | 20.0 |