

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100317\  
 Data File : BG029020.D  
 Acq On : 4 Oct 2017 1:16  
 Operator : SJ/JU  
 Sample : PB102869BL  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB102869BL

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         | 5.339       | 292           | 298         | 308          | rBV      | 119206         | 194081        | 5.40%           | 1.198%        |
| 2         | 5.809       | 370           | 378         | 397          | rBV      | 757596         | 1271718       | 35.41%          | 7.853%        |
| 3         | 7.401       | 641           | 649         | 661          | rBV      | 693649         | 1266473       | 35.27%          | 7.820%        |
| 4         | 7.771       | 704           | 712         | 724          | rBV      | 713748         | 1250500       | 34.82%          | 7.721%        |
| 5         | 8.241       | 784           | 792         | 799          | rBV      | 137864         | 242071        | 6.74%           | 1.495%        |
| 6         | 8.564       | 839           | 847         | 856          | rBV      | 543982         | 952690        | 26.53%          | 5.883%        |
| 7         | 9.410       | 983           | 991         | 1000         | rBV      | 406133         | 770679        | 21.46%          | 4.759%        |
| 8         | 11.056      | 1264          | 1271        | 1280         | rBV      | 160751         | 319066        | 8.88%           | 1.970%        |
| 9         | 13.482      | 1677          | 1684        | 1699         | rBV      | 1225304        | 1898021       | 52.85%          | 11.720%       |
| 10        | 14.863      | 1912          | 1919        | 1933         | rBV2     | 283236         | 472082        | 13.15%          | 2.915%        |
| 11        | 16.355      | 2166          | 2173        | 2187         | rBV      | 1056942        | 1710962       | 47.64%          | 10.565%       |
| 12        | 17.613      | 2380          | 2387        | 2397         | rBV2     | 420849         | 691362        | 19.25%          | 4.269%        |
| 13        | 20.204      | 2822          | 2828        | 2837         | rBV      | 2703707        | 3591104       | 100.00%         | 22.174%       |
| 14        | 21.925      | 3114          | 3121        | 3132         | rBV2     | 452086         | 819910        | 22.83%          | 5.063%        |
| 15        | 25.345      | 3693          | 3703        | 3717         | rVB3     | 249367         | 744348        | 20.73%          | 4.596%        |

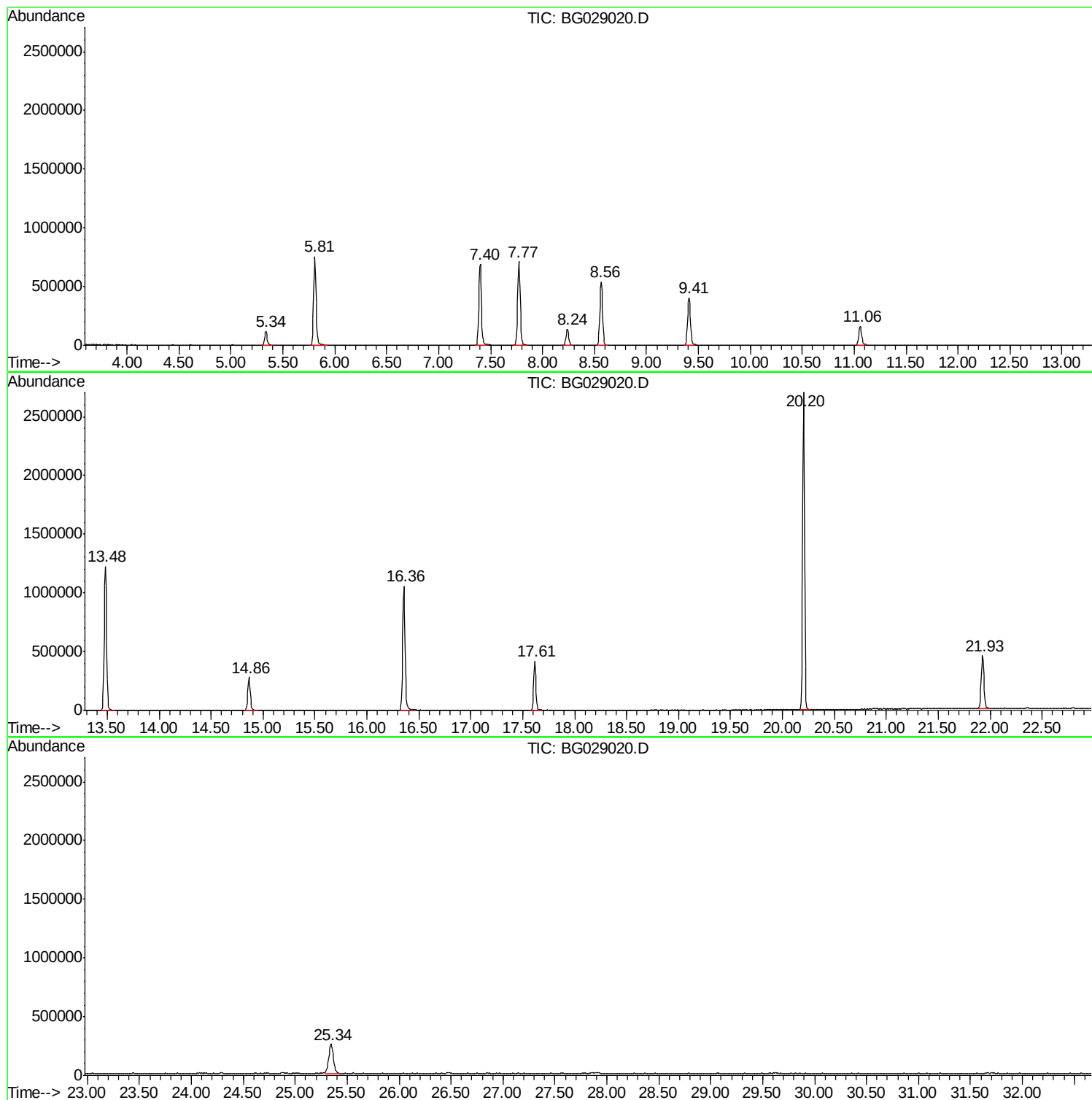
Sum of corrected areas: 16195067

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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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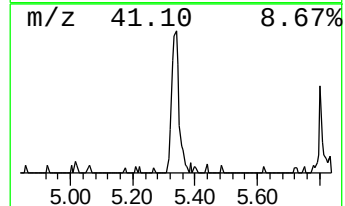
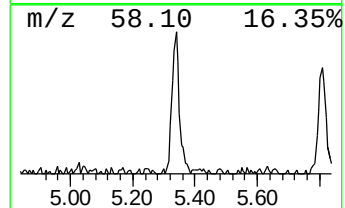
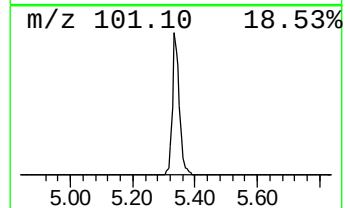
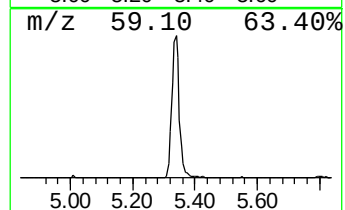
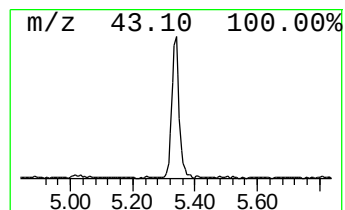
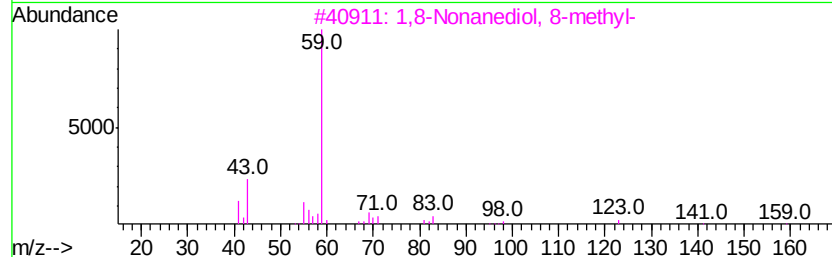
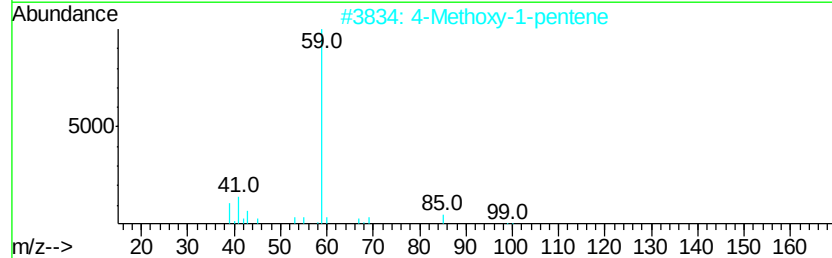
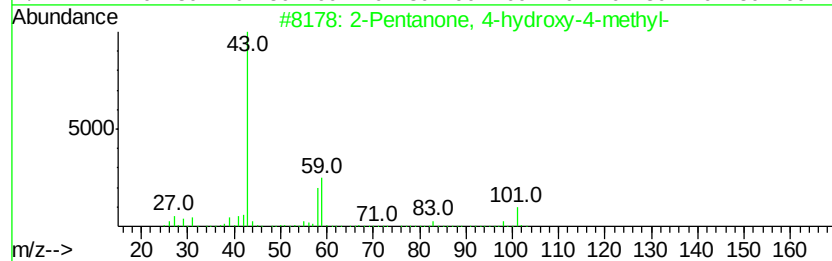
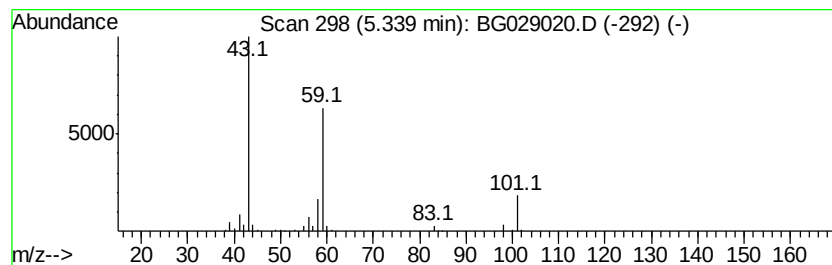
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TIC Integration Parameters: LSCINT.P

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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. |
|------|----------|--------|------------------------|------|
| 5.34 | 16.04 ng | 194081 | 1,4-Dichlorobenzene-d4 | 8.24 |

| Hit# | of 5 | Tentative ID                       | MW  | MolForm  | CAS#        | Qual |
|------|------|------------------------------------|-----|----------|-------------|------|
| 1    |      | 2-Pentanone, 4-hydroxy-4-methyl-   | 116 | C6H12O2  | 000123-42-2 | 59   |
| 2    |      | 4-Methoxy-1-pentene                | 100 | C6H12O   | 098386-09-5 | 38   |
| 3    |      | 1,8-Nonanediol, 8-methyl-          | 174 | C10H22O2 | 054725-73-4 | 25   |
| 4    |      | Propane, 1-ethoxy-2-methyl-        | 102 | C6H14O   | 000627-02-1 | 23   |
| 5    |      | Acetic acid, cyano-, 1,1-dimethyl- | 141 | C7H11NO2 | 001116-98-9 | 23   |



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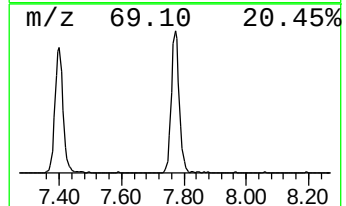
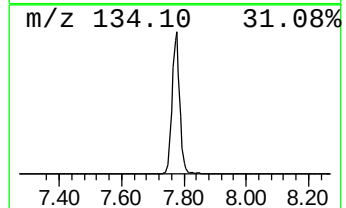
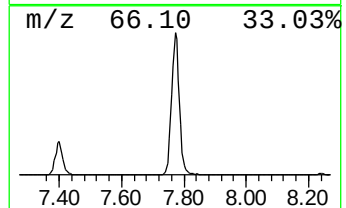
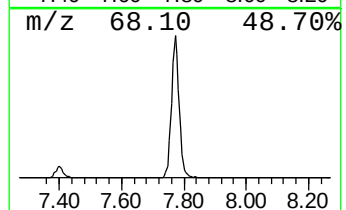
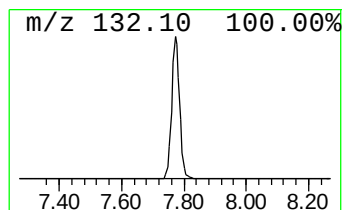
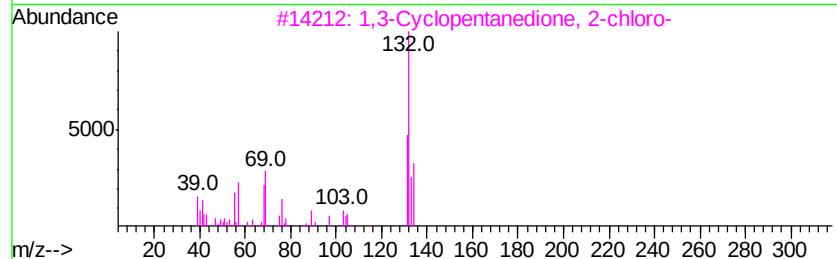
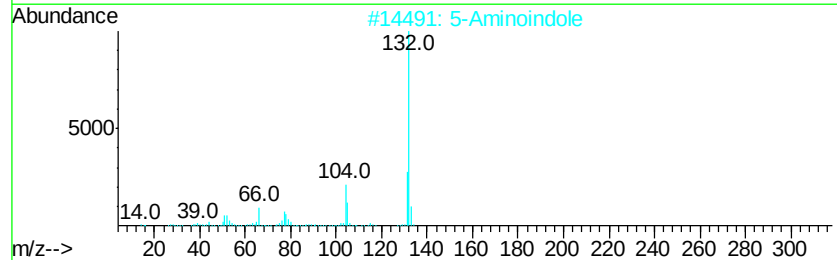
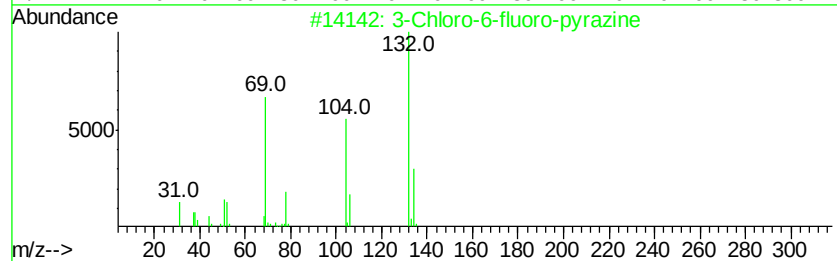
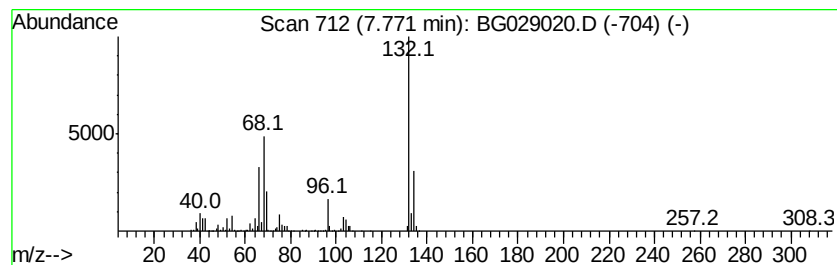
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Peak Number 2 unknown7.77 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 7.77 | 103.32 ng | 1250500 | 1,4-Dichlorobenzene-d4 | 8.24 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | 5-Aminoindole                    | 132 | C8H8N2    | 005192-03-0  | 22   |
| 3    |    | 1,3-Cyclopentanedione, 2-chloro- | 132 | C5H5ClO2  | 014203-19-1  | 17   |
| 4    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 12   |
| 5    |    | 1H-Benzimidazole, 2-methyl-      | 132 | C8H8N2    | 000615-15-6  | 12   |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| 2-Pentanone, 4-hy... | 5.34 | 16.0    | ng    | 194081   | 1                     | 8.24 | 242071 | 20.0 |
| unknown7.77          | 7.77 | 103.3   | ng    | 1250500  | 1                     | 8.24 | 242071 | 20.0 |