

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG091117\  
 Data File : BG028638.D  
 Acq On : 11 Sep 2017 12:38  
 Operator : SJ/JU  
 Sample : PB102150BL  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB102150BL

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-BG090717.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         | 5.445       | 310           | 316         | 326          | rVB2     | 60735          | 101760        | 2.65%           | 0.627%        |
| 2         | 5.909       | 387           | 395         | 407          | rBV      | 751747         | 1244301       | 32.38%          | 7.662%        |
| 3         | 7.489       | 656           | 664         | 679          | rBV      | 711610         | 1267685       | 32.99%          | 7.806%        |
| 4         | 7.871       | 721           | 729         | 739          | rBV      | 686551         | 1222650       | 31.81%          | 7.529%        |
| 5         | 8.335       | 801           | 808         | 818          | rVB      | 129842         | 226673        | 5.90%           | 1.396%        |
| 6         | 8.659       | 856           | 863         | 875          | rVB      | 523121         | 932242        | 24.26%          | 5.741%        |
| 7         | 9.505       | 998           | 1007        | 1018         | rBV      | 415031         | 763545        | 19.87%          | 4.702%        |
| 8         | 11.156      | 1279          | 1288        | 1298         | rBV      | 159851         | 303437        | 7.90%           | 1.869%        |
| 9         | 13.565      | 1691          | 1698        | 1712         | rBV      | 1211233        | 1875927       | 48.81%          | 11.552%       |
| 10        | 14.945      | 1926          | 1933        | 1945         | rVB      | 259946         | 440772        | 11.47%          | 2.714%        |
| 11        | 16.432      | 2179          | 2186        | 2202         | rBV      | 1045540        | 1746251       | 45.44%          | 10.753%       |
| 12        | 17.695      | 2394          | 2401        | 2412         | rBV2     | 400727         | 647154        | 16.84%          | 3.985%        |
| 13        | 20.280      | 2834          | 2841        | 2851         | rBV      | 2938047        | 3843198       | 100.00%         | 23.666%       |
| 14        | 22.025      | 3130          | 3138        | 3149         | rBV      | 452104         | 847255        | 22.05%          | 5.217%        |
| 15        | 25.527      | 3724          | 3734        | 3746         | rVB3     | 251425         | 776516        | 20.20%          | 4.782%        |

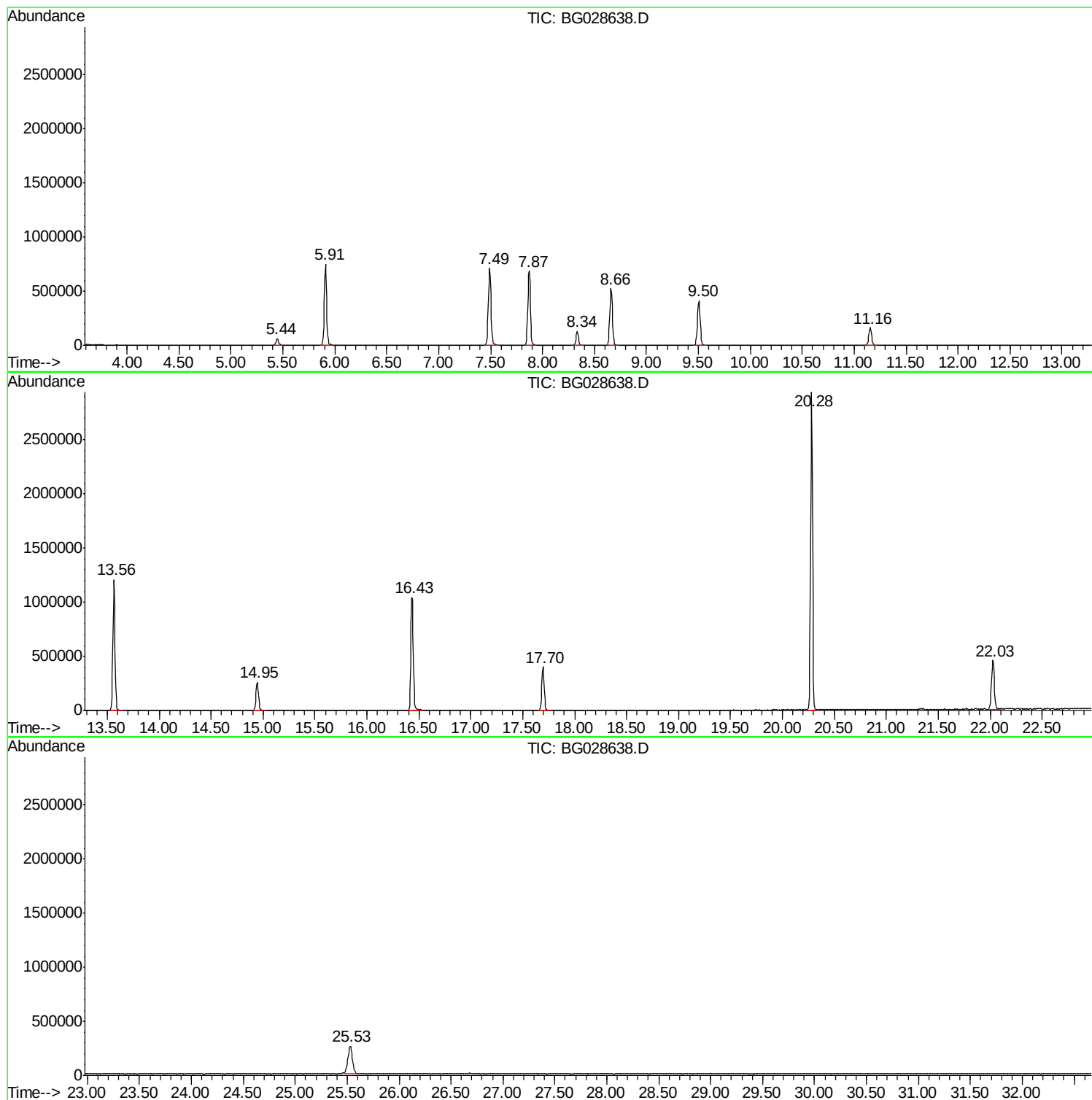
Sum of corrected areas: 16239366

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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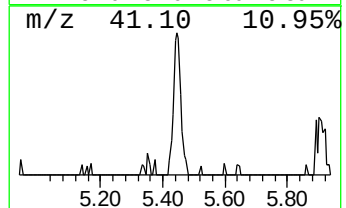
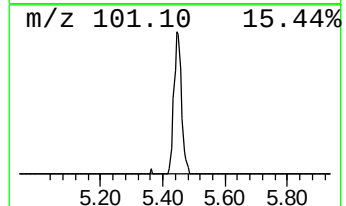
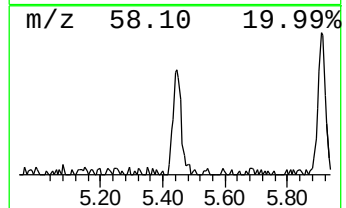
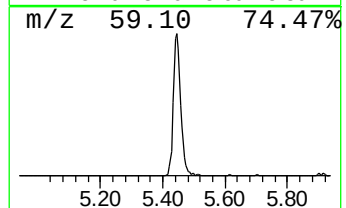
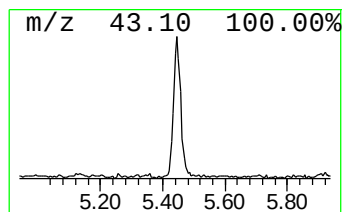
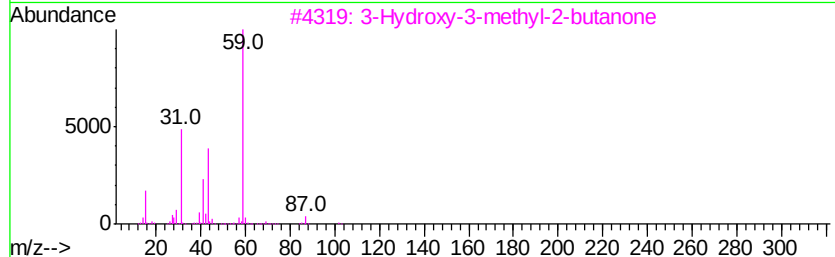
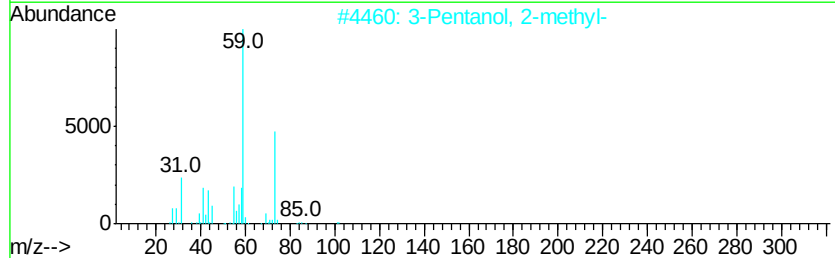
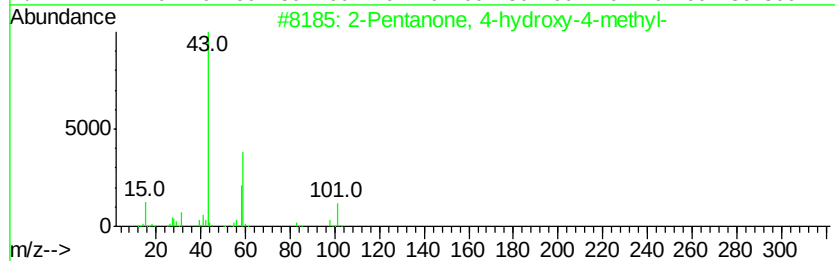
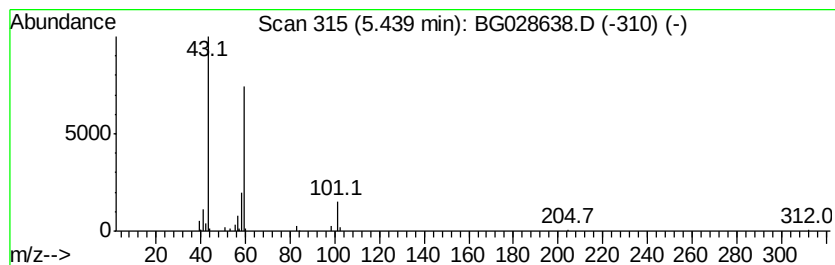
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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 5.44 | 8.98 ng | 101760 | 1,4-Dichlorobenzene-d4 | 8.34 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2   | 000123-42-2 | 64   |
| 2    |    |   | 3-Pentanol, 2-methyl-               | 102 | C6H14O    | 000565-67-3 | 47   |
| 3    |    |   | 3-Hydroxy-3-methyl-2-butanone       | 102 | C5H10O2   | 000115-22-0 | 32   |
| 4    |    |   | Acetic acid, chloro-, 1,1-dimeth... | 150 | C6H11ClO2 | 000107-59-5 | 25   |
| 5    |    |   | 2,3-Butanedione, monooxime          | 101 | C4H7NO2   | 000057-71-6 | 9    |



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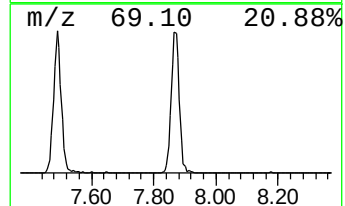
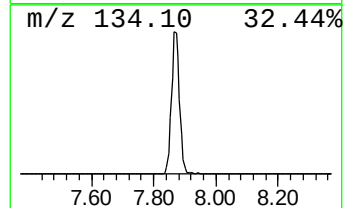
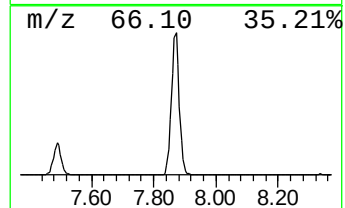
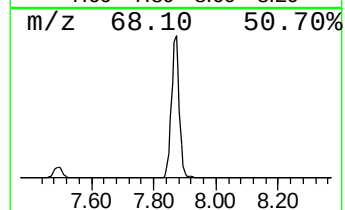
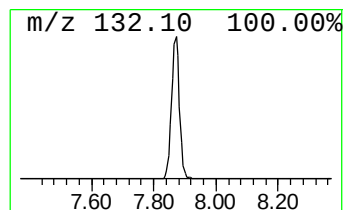
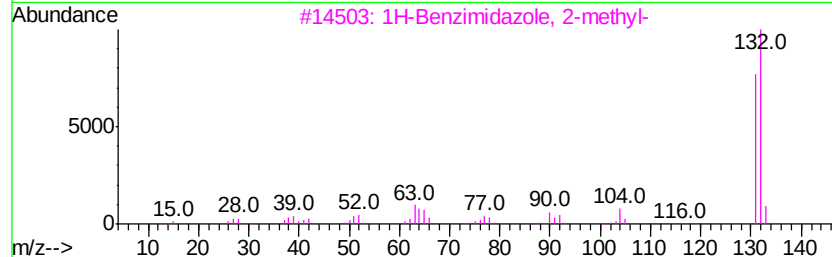
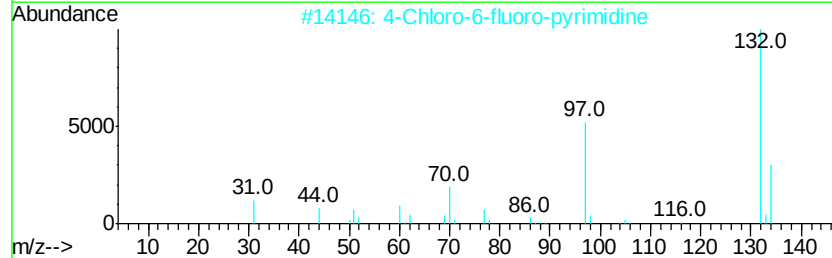
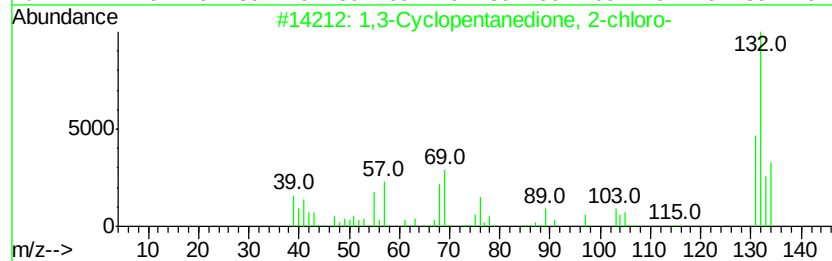
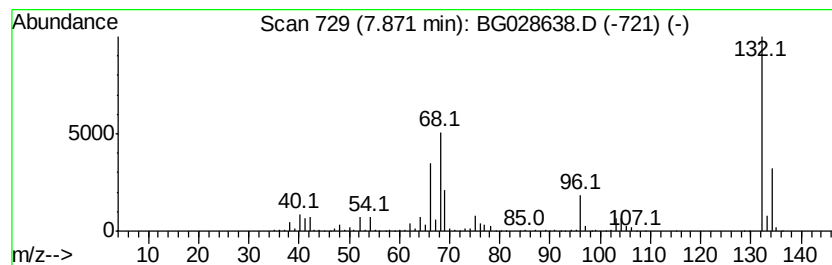
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Peak Number 2 unknown7.87 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 7.87 | 107.88 ng | 1222650 | 1,4-Dichlorobenzene-d4 | 8.34 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 1,3-Cyclopentanedione, 2-chloro- | 132 | C5H5ClO2  | 014203-19-1  | 35   |
| 2    |    | 4-Chloro-6-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-01-6  | 27   |
| 3    |    | 1H-Benzimidazole, 2-methyl-      | 132 | C8H8N2    | 000615-15-6  | 22   |
| 4    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 16   |
| 5    |    | Cyclopropanamine, 1-phenyl-      | 133 | C9H11N    | 1000351-26-2 | 10   |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| 2-Pentanone, 4-hy... | 5.44 | 9.0     | ng    | 101760   | 1                     | 8.34 | 226673 | 20.0 |
| unknown7.87          | 7.87 | 107.9   | ng    | 1222650  | 1                     | 8.34 | 226673 | 20.0 |