

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG111117\  
 Data File : BG030954.D  
 Acq On : 11 Nov 2017 22:07  
 Operator : SJ/JU  
 Sample : PB104196TB  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB104196TB

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-BG111017.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         | 5.215       | 322           | 328         | 339          | rBV      | 72944          | 112831        | 3.72%           | 0.896%        |
| 2         | 5.703       | 404           | 411         | 427          | rBV      | 441047         | 744564        | 24.52%          | 5.910%        |
| 3         | 7.307       | 675           | 684         | 694          | rBV      | 417722         | 765651        | 25.22%          | 6.078%        |
| 4         | 7.677       | 740           | 747         | 759          | rBV      | 433204         | 788489        | 25.97%          | 6.259%        |
| 5         | 8.141       | 819           | 826         | 835          | rVB      | 121906         | 206478        | 6.80%           | 1.639%        |
| 6         | 8.464       | 872           | 881         | 889          | rBV      | 345440         | 615392        | 20.27%          | 4.885%        |
| 7         | 9.305       | 1016          | 1024        | 1036         | rBV      | 220456         | 444054        | 14.62%          | 3.525%        |
| 8         | 10.956      | 1298          | 1305        | 1324         | rBV      | 140216         | 286740        | 9.44%           | 2.276%        |
| 9         | 13.382      | 1711          | 1718        | 1731         | rBV      | 831782         | 1314574       | 43.30%          | 10.435%       |
| 10        | 14.763      | 1945          | 1953        | 1965         | rBV3     | 258206         | 456523        | 15.04%          | 3.624%        |
| 11        | 16.244      | 2198          | 2205        | 2222         | rBV      | 603526         | 1070412       | 35.25%          | 8.497%        |
| 12        | 17.501      | 2412          | 2419        | 2434         | rBV      | 437890         | 707342        | 23.30%          | 5.615%        |
| 13        | 20.092      | 2853          | 2860        | 2871         | rBV      | 2289235        | 3036297       | 100.00%         | 24.103%       |
| 14        | 21.772      | 3139          | 3146        | 3160         | rBV2     | 608267         | 1043246       | 34.36%          | 8.281%        |
| 15        | 25.074      | 3697          | 3708        | 3724         | rVB2     | 355291         | 1004799       | 33.09%          | 7.976%        |

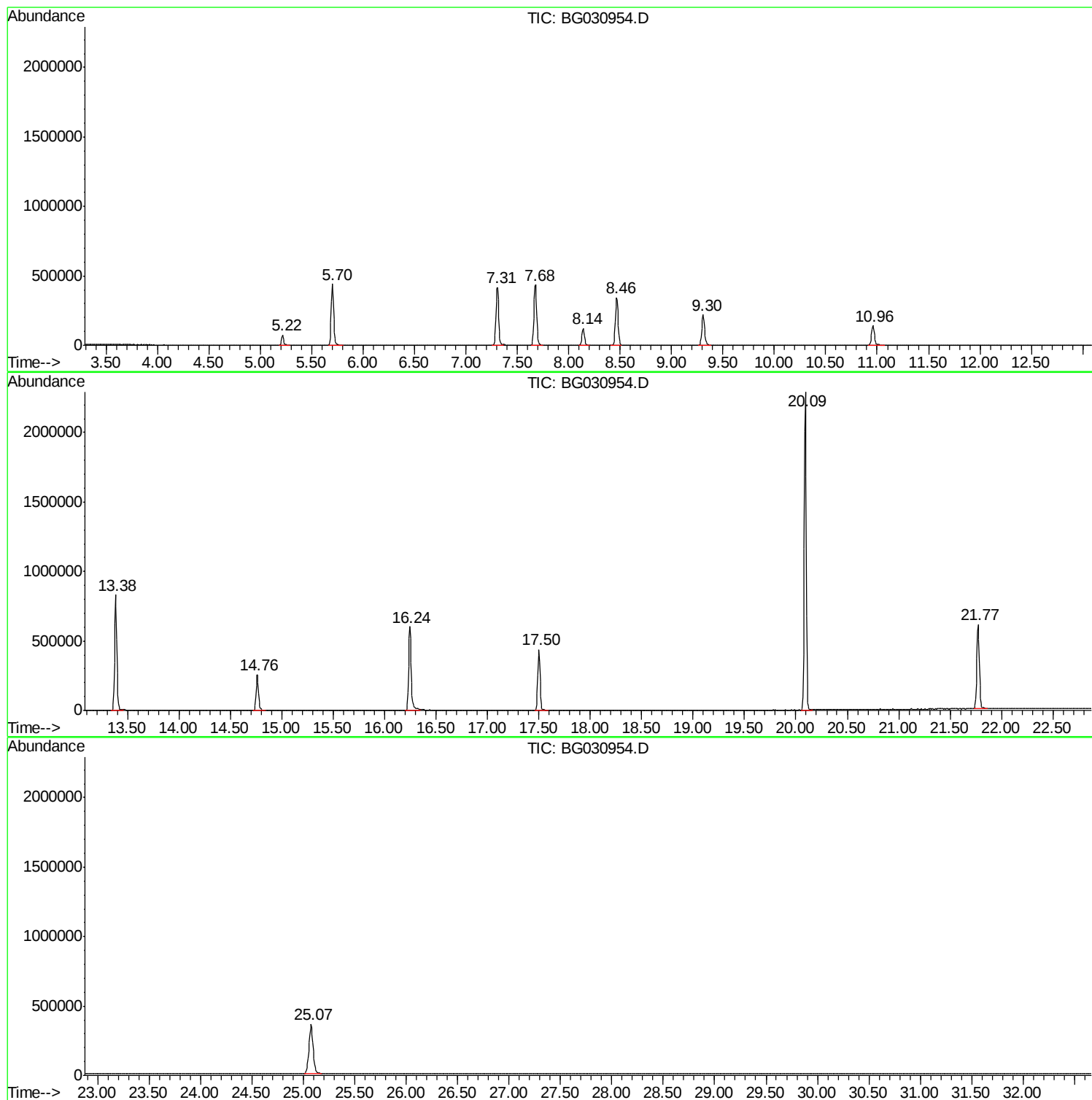
Sum of corrected areas: 12597392

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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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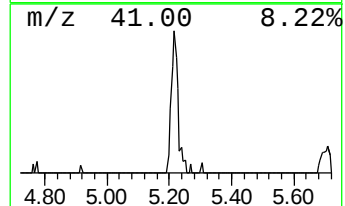
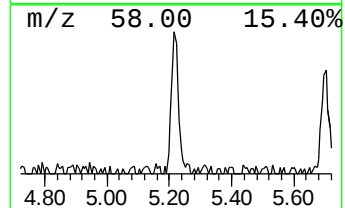
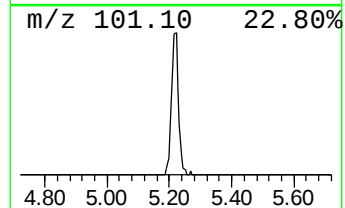
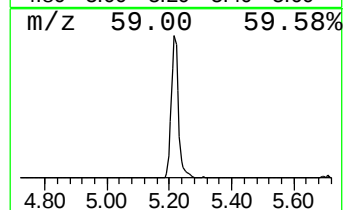
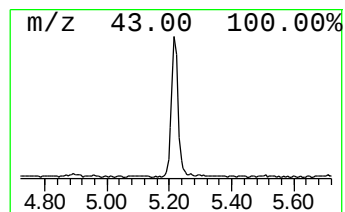
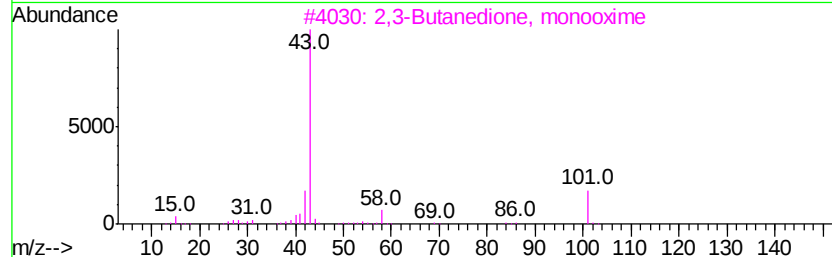
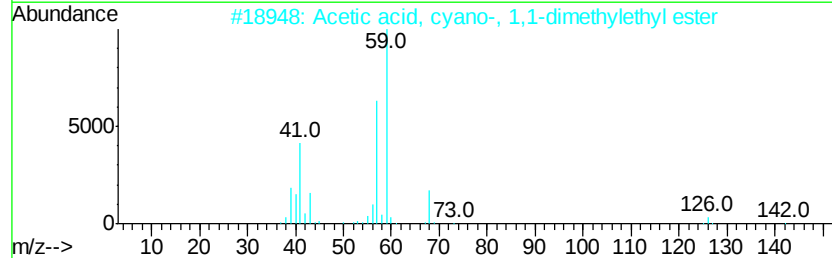
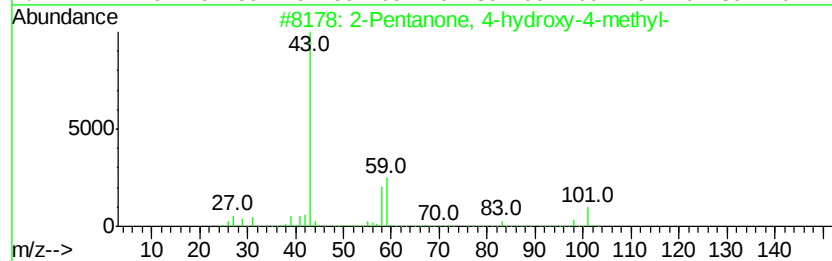
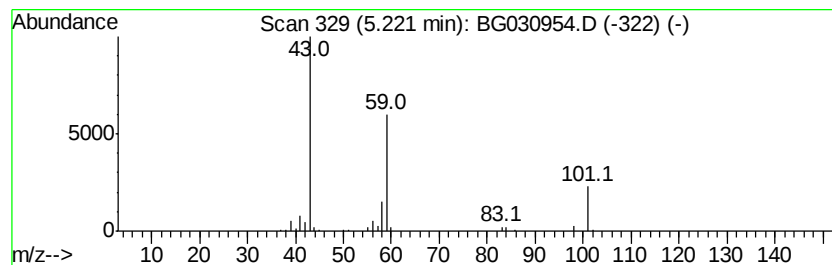
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG111017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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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. |
|------|----------|--------|------------------------|------|
| 5.22 | 10.93 ng | 112831 | 1,4-Dichlorobenzene-d4 | 8.14 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-     | 116 | C6H12O2  | 000123-42-2 | 72   |
| 2    |    | Acetic acid, cyano-, 1,1-dimethyl... | 141 | C7H11NO2 | 001116-98-9 | 17   |
| 3    |    | 2,3-Butanedione, monooxime           | 101 | C4H7NO2  | 000057-71-6 | 9    |
| 4    |    | 4-Methoxy-1-pentene                  | 100 | C6H12O   | 098386-09-5 | 9    |
| 5    |    | 1-Propen-2-ol, acetate               | 100 | C5H8O2   | 000108-22-5 | 9    |



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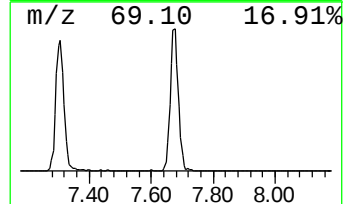
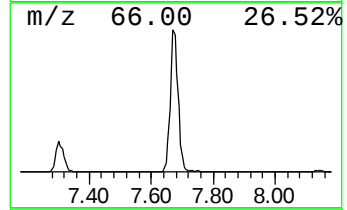
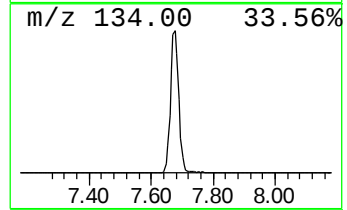
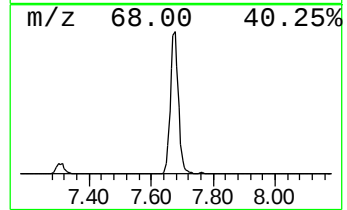
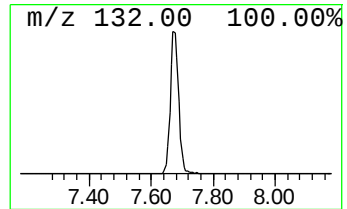
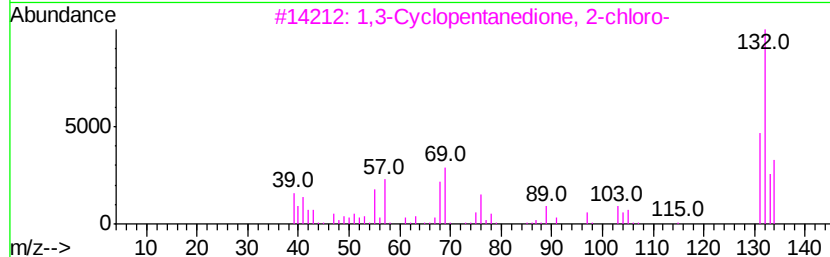
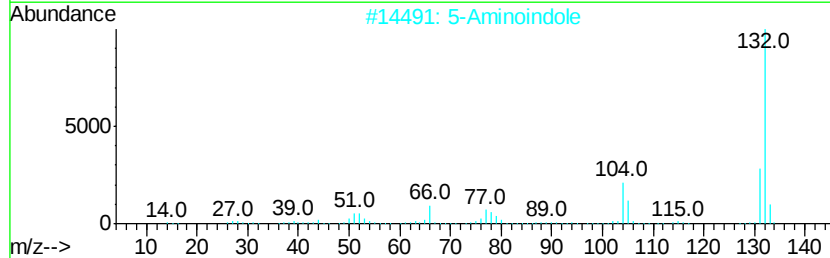
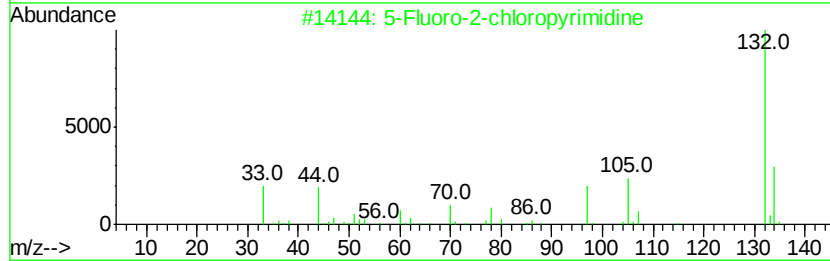
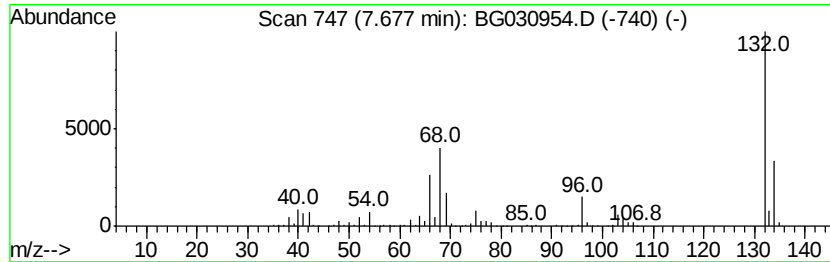
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Peak Number 2 unknown7.68 Concentration Rank 1

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 7.68 | 76.38 ng | 788489 | 1,4-Dichlorobenzene-d4 | 8.14 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 27   |
| 2    |    | 5-Aminoindole                    | 132 | C8H8N2    | 005192-03-0  | 22   |
| 3    |    | 1,3-Cyclopentanedione, 2-chloro- | 132 | C5H5ClO2  | 014203-19-1  | 17   |
| 4    |    | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 16   |
| 5    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 16   |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| 2-Pentanone, 4-hy... | 5.22 | 10.9    | ng    | 112831   | 1                     | 8.14 | 206478 | 20.0 |
| unknown7.68          | 7.68 | 76.4    | ng    | 788489   | 1                     | 8.14 | 206478 | 20.0 |