

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042915\  
 Data File : BG016801.D  
 Acq On : 29 Apr 2015 16:36  
 Operator : TP/IZ  
 Sample : G2021-08  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PS-18-5-10

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-BG042915.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         | 2.752       | 9             | 11          | 19           | rVB2     | 15683          | 20706         | 1.21%           | 0.208%        |
| 2         | 4.668       | 330           | 337         | 350          | rVB2     | 60020          | 105251        | 6.13%           | 1.057%        |
| 3         | 5.155       | 414           | 420         | 433          | rBV      | 432053         | 629375        | 36.66%          | 6.320%        |
| 4         | 6.765       | 688           | 694         | 709          | rBV      | 421296         | 708881        | 41.29%          | 7.119%        |
| 5         | 7.100       | 745           | 751         | 761          | rBV      | 462091         | 723057        | 42.12%          | 7.261%        |
| 6         | 7.564       | 822           | 830         | 836          | rBV      | 146105         | 228675        | 13.32%          | 2.296%        |
| 7         | 7.882       | 878           | 884         | 893          | rVB      | 359470         | 560797        | 32.67%          | 5.632%        |
| 8         | 8.728       | 1021          | 1028        | 1042         | rBV      | 234046         | 409433        | 23.85%          | 4.112%        |
| 9         | 10.349      | 1295          | 1304        | 1315         | rBV      | 184365         | 341413        | 19.89%          | 3.429%        |
| 10        | 12.835      | 1721          | 1727        | 1739         | rBV      | 715546         | 1098183       | 63.97%          | 11.028%       |
| 11        | 13.698      | 1868          | 1874        | 1878         | rBV      | 16612          | 23686         | 1.38%           | 0.238%        |
| 12        | 14.221      | 1956          | 1963        | 1974         | rBV2     | 327533         | 497400        | 28.97%          | 4.995%        |
| 13        | 15.720      | 2212          | 2218        | 2230         | rBV      | 477855         | 696408        | 40.57%          | 6.994%        |
| 14        | 16.965      | 2424          | 2430        | 2444         | rBV2     | 426984         | 632870        | 36.87%          | 6.356%        |
| 15        | 19.304      | 2822          | 2828        | 2832         | rBV4     | 16016          | 19704         | 1.15%           | 0.198%        |
| 16        | 19.603      | 2873          | 2879        | 2884         | rBV      | 1411792        | 1716658       | 100.00%         | 17.239%       |
| 17        | 20.349      | 3002          | 3006        | 3010         | rBV4     | 13287          | 17556         | 1.02%           | 0.176%        |
| 18        | 20.872      | 3090          | 3095        | 3102         | rBV6     | 31427          | 50127         | 2.92%           | 0.503%        |
| 19        | 21.154      | 3138          | 3143        | 3152         | rBV      | 586774         | 751363        | 43.77%          | 7.545%        |
| 20        | 23.352      | 3510          | 3517        | 3526         | rBV      | 399490         | 726246        | 42.31%          | 7.293%        |

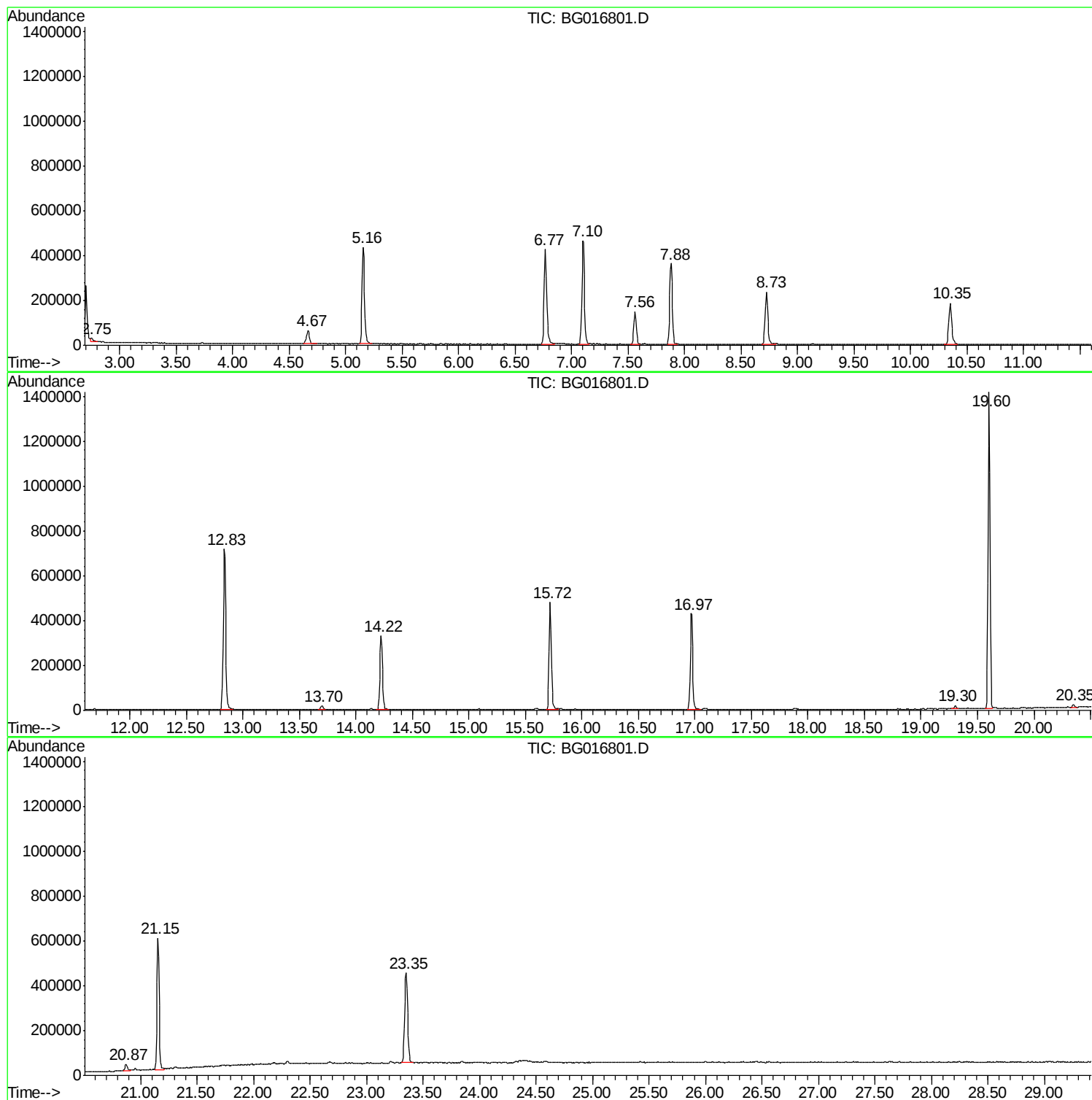
Sum of corrected areas: 9957789

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG042915.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



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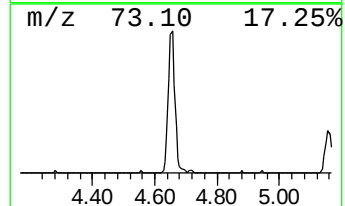
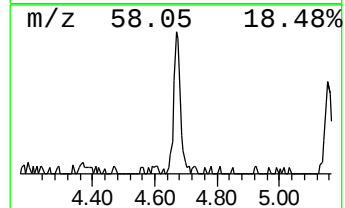
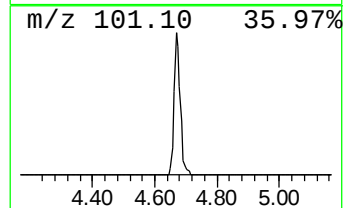
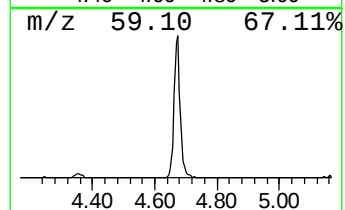
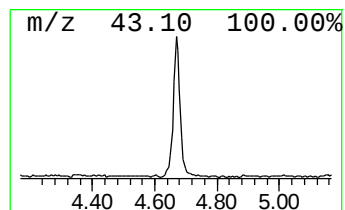
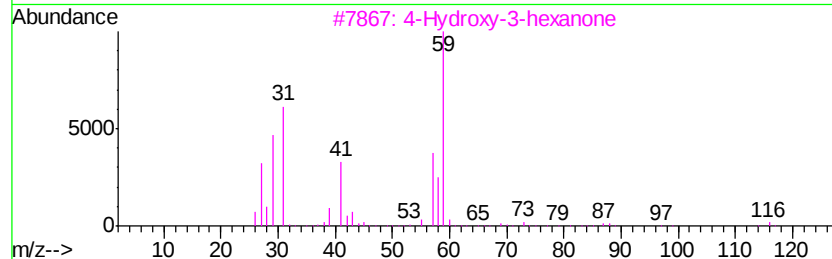
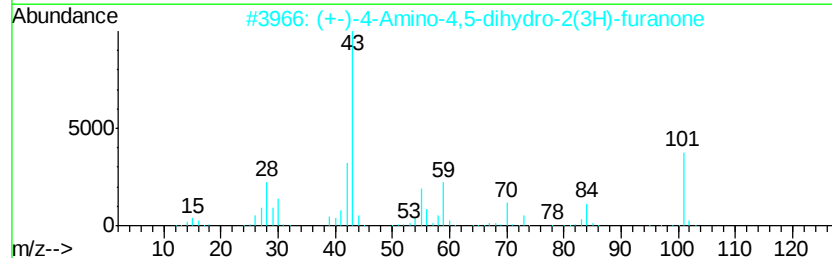
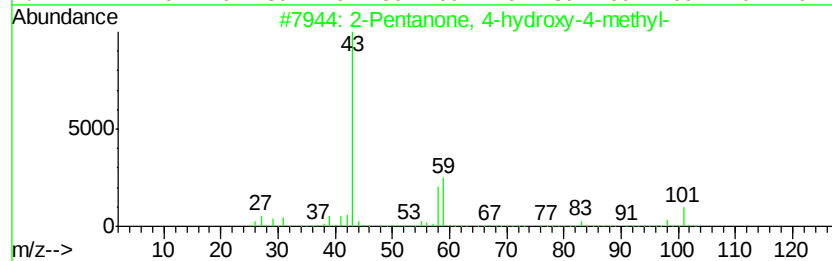
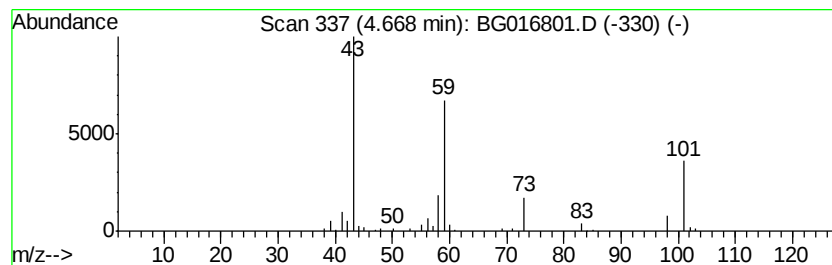
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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 4.67 | 9.21 ng | 105251 | 1,4-Dichlorobenzene-d4 | 7.56 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 40   |
| 2    |    | (+)-4-Amino-4,5-dihydro-2(3H)-f...  | 101 | C4H7NO2  | 016504-58-8 | 37   |
| 3    |    | 4-Hydroxy-3-hexanone                | 116 | C6H12O2  | 004984-85-4 | 17   |
| 4    |    | Propanoic acid, 2-hydroxy-2-meth... | 132 | C6H12O3  | 000080-55-7 | 17   |
| 5    |    | Hexaethylene glycol dimethyl ether  | 310 | C14H30O7 | 001072-40-8 | 17   |



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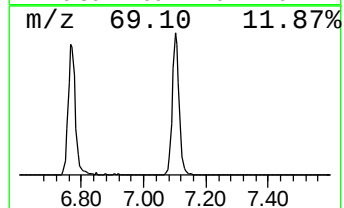
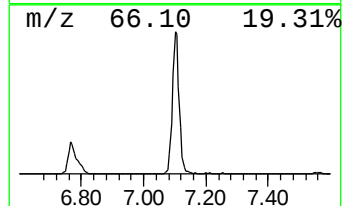
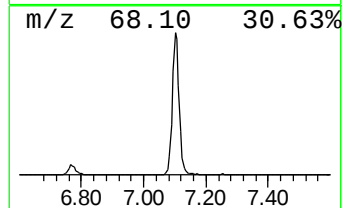
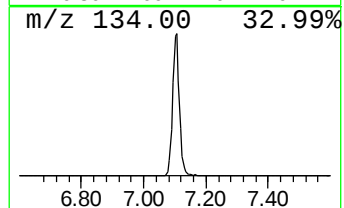
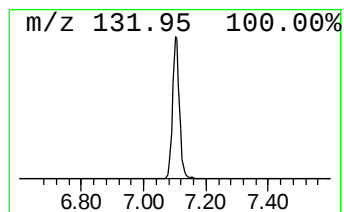
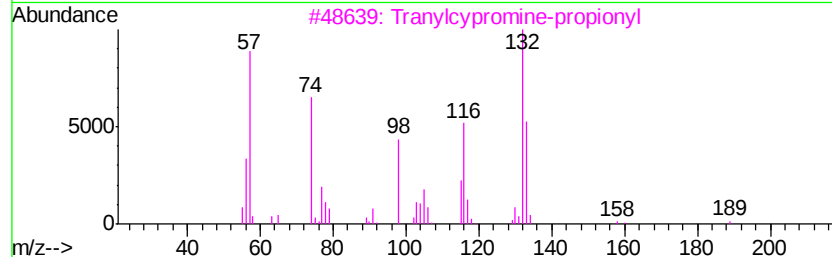
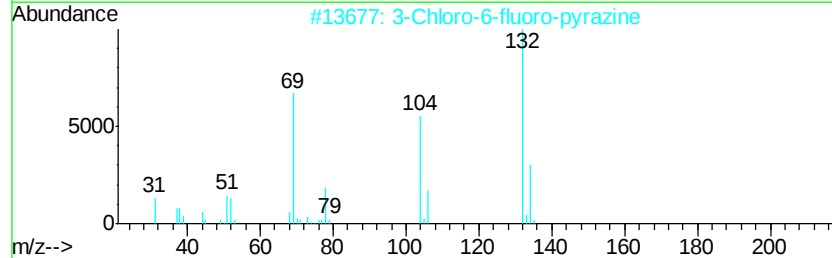
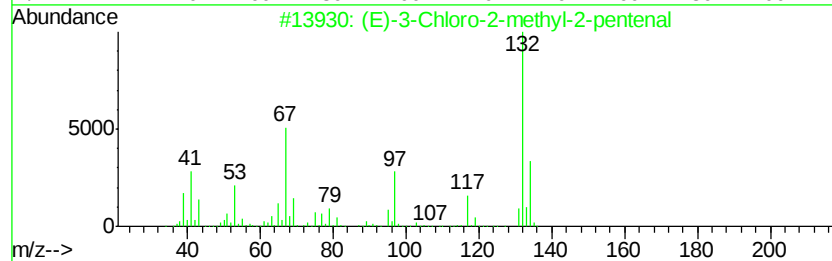
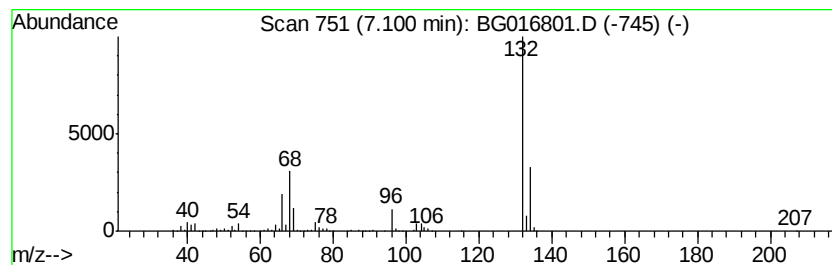
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Peak Number 2 unknown7.10 Concentration Rank 1

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 7.10 | 63.24 ng | 723057 | 1,4-Dichlorobenzene-d4 | 7.56 |

| Hit# of 5 | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|-----------|----------------------------------|-----|-----------|--------------|------|
| 1         | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 25   |
| 2         | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 25   |
| 3         | Tranvlcypropine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 12   |
| 4         | 4-Methylpyrrolo[1,2-a]pyrazine   | 132 | C8H8N2    | 064608-60-2  | 9    |
| 5         | 4-Chloro-2-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-00-5  | 9    |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| 2-Pentanone, 4-hy... | 4.67 | 9.2     | ng    | 105251   | 1                     | 7.56 | 228675 | 20.0 |
| unknown7.10          | 7.10 | 63.2    | ng    | 723057   | 1                     | 7.56 | 228675 | 20.0 |