

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG060415\  
Data File : BG017445.D  
Acq On : 4 Jun 2015 17:14  
Operator : TP/IZ  
Sample : PB83815BL  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PB83815BL

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-BG060315.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         | 4.727       | 341           | 347         | 355          | rBV      | 159211         | 220778        | 11.03%          | 3.200%        |
| 2         | 5.215       | 424           | 430         | 439          | rBV      | 249970         | 344427        | 17.21%          | 4.992%        |
| 3         | 6.825       | 697           | 704         | 714          | rBV      | 248600         | 371793        | 18.57%          | 5.389%        |
| 4         | 7.165       | 754           | 762         | 771          | rBV      | 236398         | 367671        | 18.37%          | 5.329%        |
| 5         | 7.624       | 834           | 840         | 849          | rVB      | 66467          | 101487        | 5.07%           | 1.471%        |
| 6         | 7.941       | 888           | 894         | 901          | rBV      | 314744         | 487441        | 24.35%          | 7.065%        |
| 7         | 8.787       | 1030          | 1038        | 1048         | rBV      | 253804         | 406773        | 20.32%          | 5.896%        |
| 8         | 10.415      | 1307          | 1315        | 1322         | rBV      | 77425          | 133401        | 6.66%           | 1.933%        |
| 9         | 12.906      | 1732          | 1739        | 1747         | rBV      | 610994         | 868094        | 43.37%          | 12.582%       |
| 10        | 14.292      | 1969          | 1975        | 1982         | rBV2     | 117837         | 185012        | 9.24%           | 2.681%        |
| 11        | 15.785      | 2223          | 2229        | 2241         | rBV      | 315073         | 453774        | 22.67%          | 6.577%        |
| 12        | 17.042      | 2437          | 2443        | 2455         | rBV      | 178933         | 259267        | 12.95%          | 3.758%        |
| 13        | 19.680      | 2886          | 2892        | 2897         | rBV      | 1753789        | 2001736       | 100.00%         | 29.012%       |
| 14        | 21.231      | 3149          | 3156        | 3161         | rBV      | 285123         | 361689        | 18.07%          | 5.242%        |
| 15        | 23.464      | 3529          | 3536        | 3544         | rBV2     | 176082         | 336286        | 16.80%          | 4.874%        |

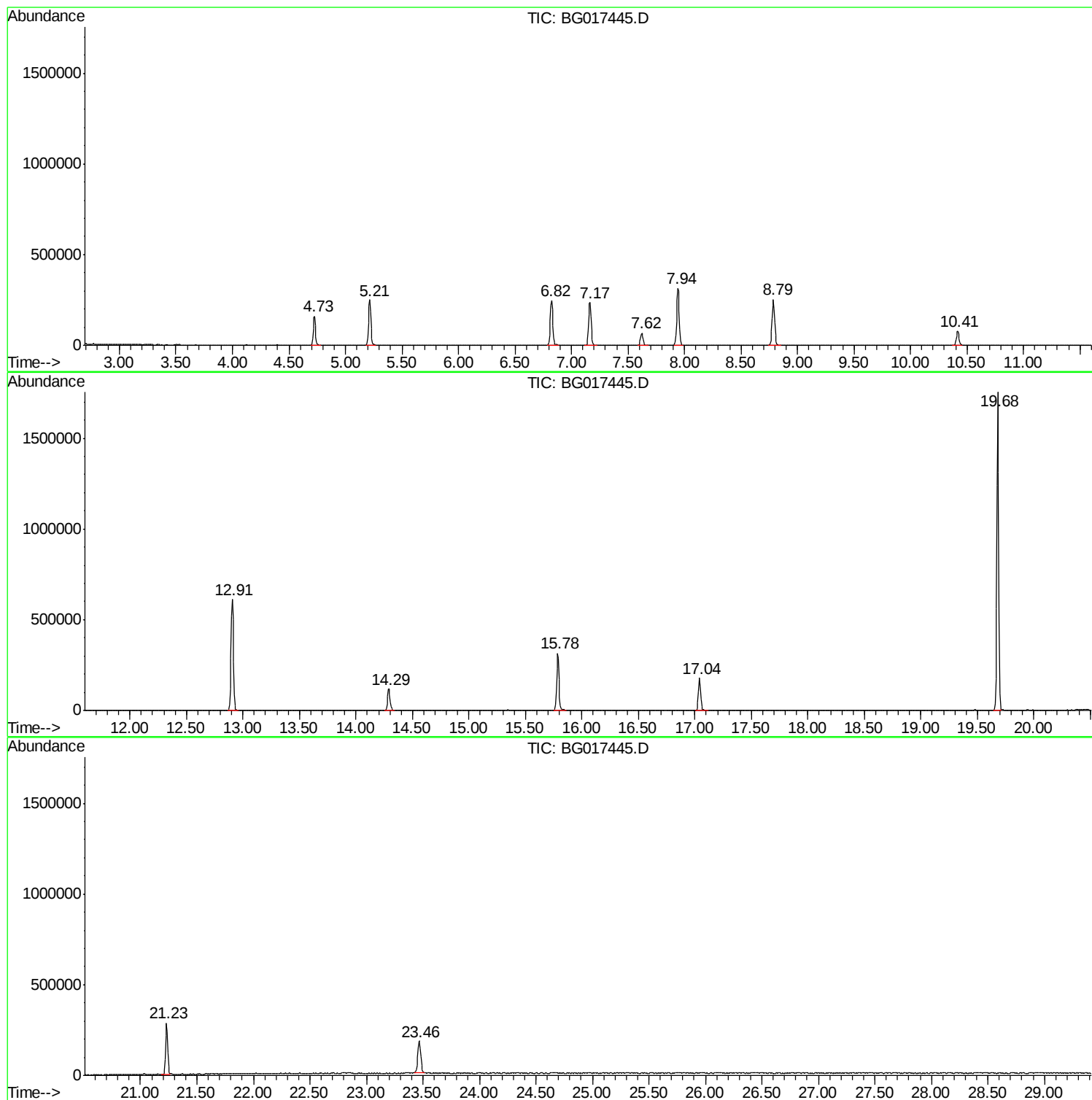
Sum of corrected areas: 6899629

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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG060315.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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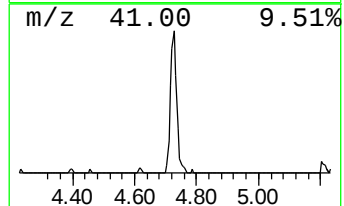
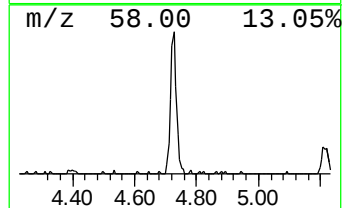
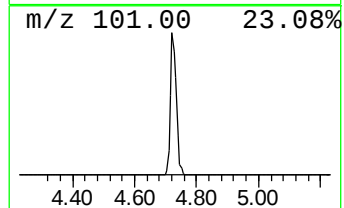
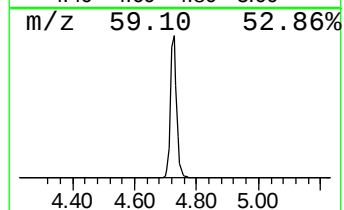
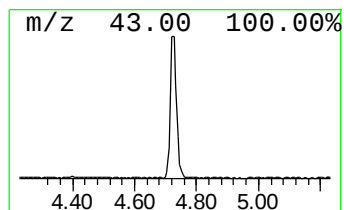
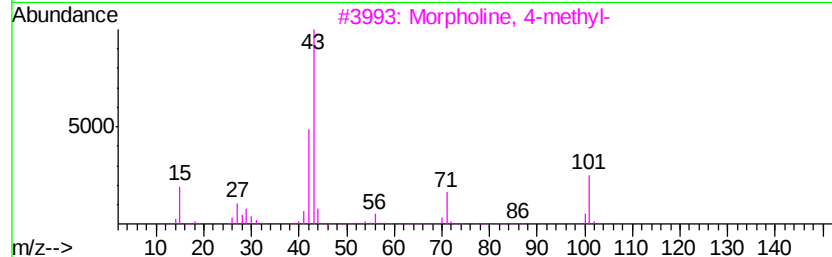
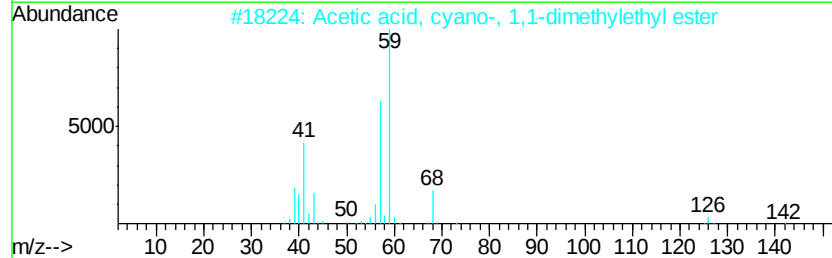
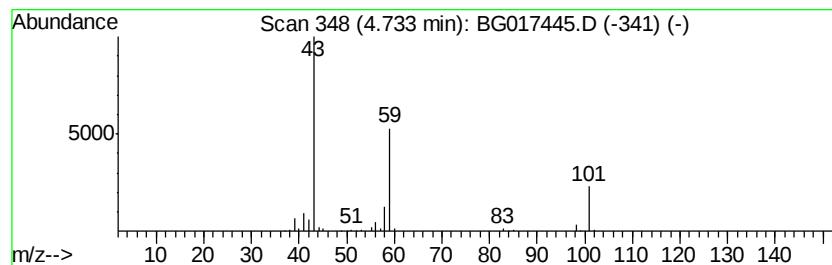
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG060315.M  
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TIC Integration Parameters: LSCINT.P

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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. |
|------|----------|--------|------------------------|------|
| 4.73 | 43.51 ng | 220778 | 1,4-Dichlorobenzene-d4 | 7.62 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 56   |
| 2    |    |   | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 17   |
| 3    |    |   | Morpholine, 4-methyl-               | 101 | C5H11NO  | 000109-02-4 | 9    |
| 4    |    |   | 2,3-Butanedione, monooxime          | 101 | C4H7NO2  | 000057-71-6 | 9    |
| 5    |    |   | Butane, 1-ethoxy-                   | 102 | C6H14O   | 000628-81-9 | 9    |



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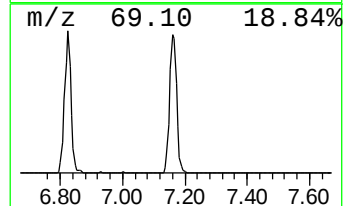
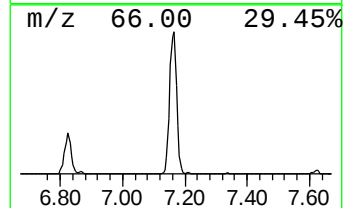
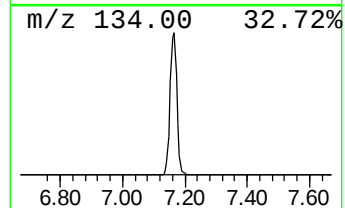
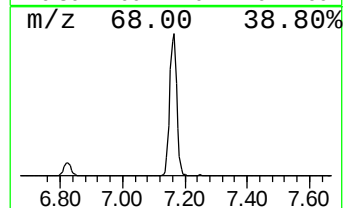
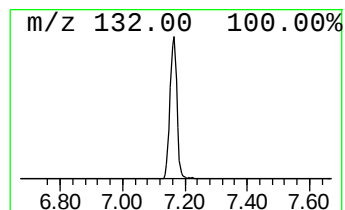
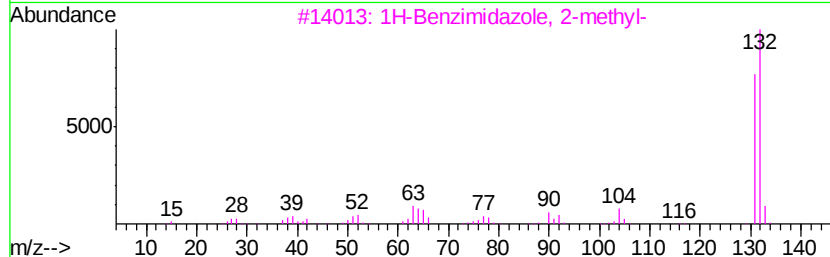
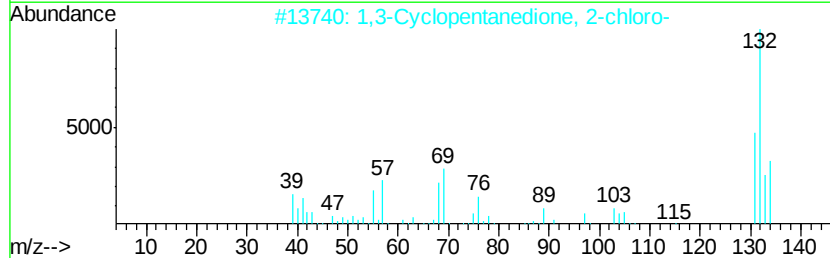
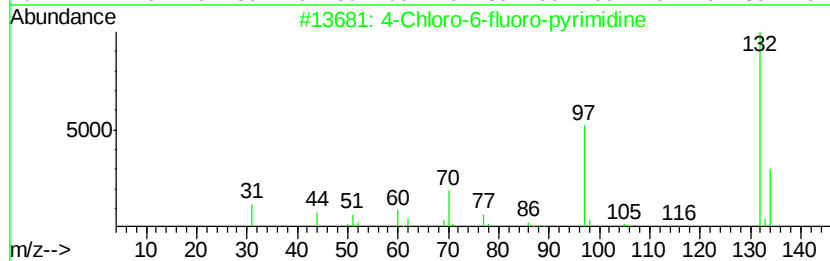
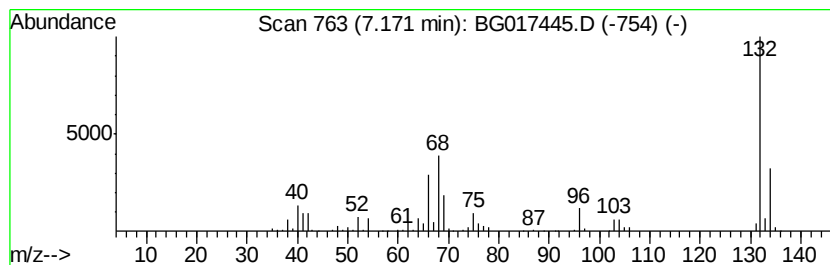
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Peak Number 2 unknown7.17 Concentration Rank 2

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 7.17 | 72.46 ng | 367671 | 1,4-Dichlorobenzene-d4 | 7.62 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 4-Chloro-6-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-01-6  | 27   |
| 2    |    | 1,3-Cyclopentanedione, 2-chloro- | 132 | C5H5ClO2  | 014203-19-1  | 25   |
| 3    |    | 1H-Benzimidazole, 2-methyl-      | 132 | C8H8N2    | 000615-15-6  | 22   |
| 4    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 16   |
| 5    |    | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 12   |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| 2-Pentanone, 4-hy... | 4.73 | 43.5    | ng    | 220778   | 1                     | 7.62 | 101487 | 20.0 |
| unknown7.17          | 7.17 | 72.5    | ng    | 367671   | 1                     | 7.62 | 101487 | 20.0 |