

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG072718\  
 Data File : BG035947.D  
 Acq On : 27 Jul 2018 21:18  
 Operator : JU/SJ  
 Sample : PB111523BL  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

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:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG071218.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

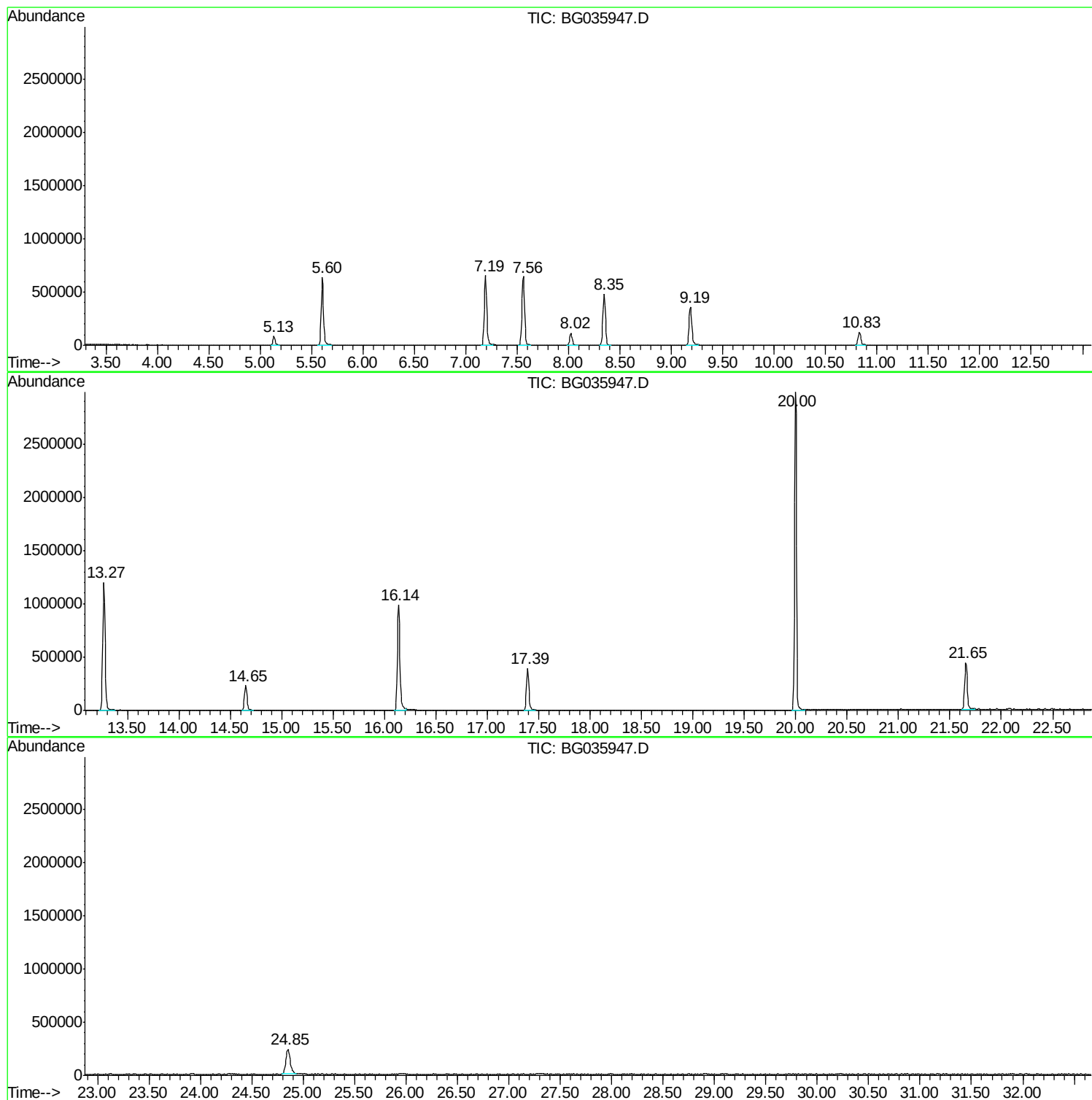
| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 5.134       | 308           | 314         | 322          | rBV      | 83345          | 127066        | 3.23%           | 0.814%        |
| 2         | 5.604       | 386           | 394         | 409          | rBV      | 641344         | 1070151       | 27.23%          | 6.856%        |
| 3         | 7.190       | 656           | 664         | 677          | rBV      | 653370         | 1187313       | 30.21%          | 7.606%        |
| 4         | 7.560       | 719           | 727         | 739          | rBV      | 646807         | 1136014       | 28.90%          | 7.278%        |
| 5         | 8.025       | 798           | 806         | 817          | rBV      | 114005         | 191986        | 4.88%           | 1.230%        |
| 6         | 8.348       | 853           | 861         | 871          | rBV      | 482105         | 843730        | 21.47%          | 5.405%        |
| 7         | 9.188       | 996           | 1004        | 1016         | rBV      | 360725         | 706050        | 17.96%          | 4.523%        |
| 8         | 10.827      | 1277          | 1283        | 1294         | rBV      | 122779         | 246334        | 6.27%           | 1.578%        |
| 9         | 13.270      | 1691          | 1699        | 1717         | rBV      | 1199993        | 1925789       | 49.00%          | 12.337%       |
| 10        | 14.651      | 1927          | 1934        | 1946         | rBV2     | 234816         | 426042        | 10.84%          | 2.729%        |
| 11        | 16.137      | 2180          | 2187        | 2199         | rBV      | 991591         | 1670631       | 42.51%          | 10.702%       |
| 12        | 17.394      | 2394          | 2401        | 2413         | rBV2     | 395733         | 660327        | 16.80%          | 4.230%        |
| 13        | 19.997      | 2838          | 2844        | 2860         | rBV      | 2982876        | 3930165       | 100.00%         | 25.178%       |
| 14        | 21.653      | 3119          | 3126        | 3141         | rBV2     | 437186         | 784152        | 19.95%          | 5.023%        |
| 15        | 24.855      | 3660          | 3671        | 3684         | rBV2     | 234169         | 704026        | 17.91%          | 4.510%        |

Sum of corrected areas: 15609776

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.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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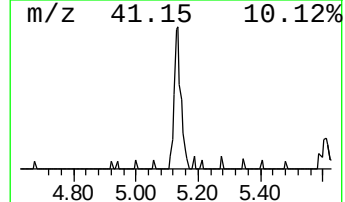
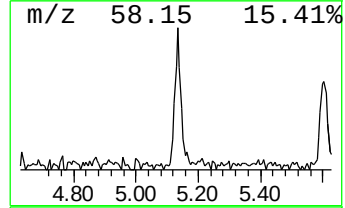
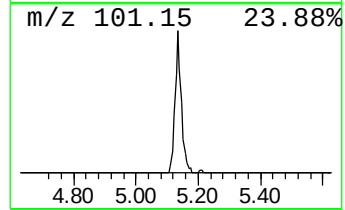
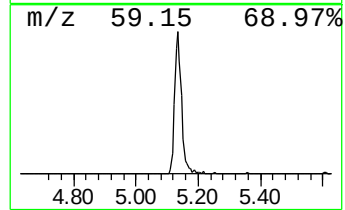
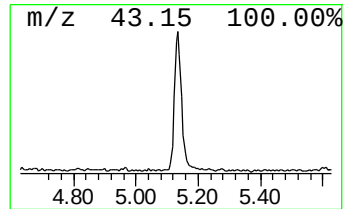
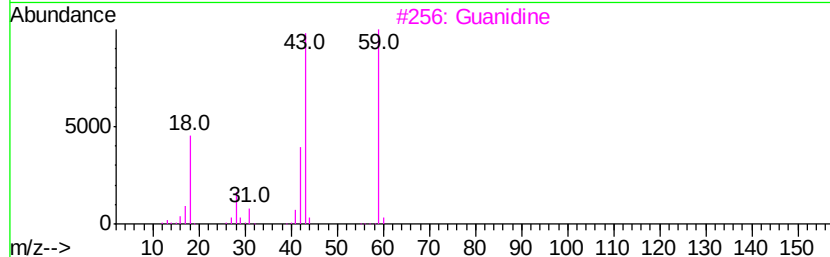
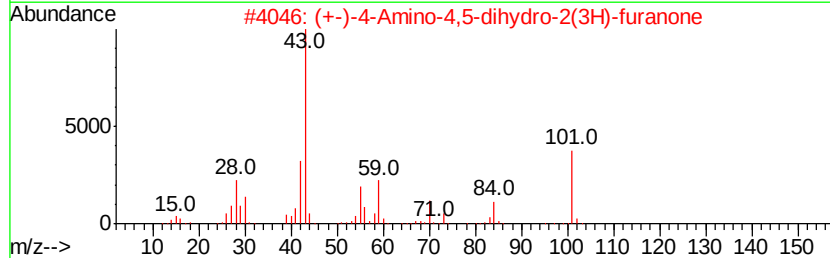
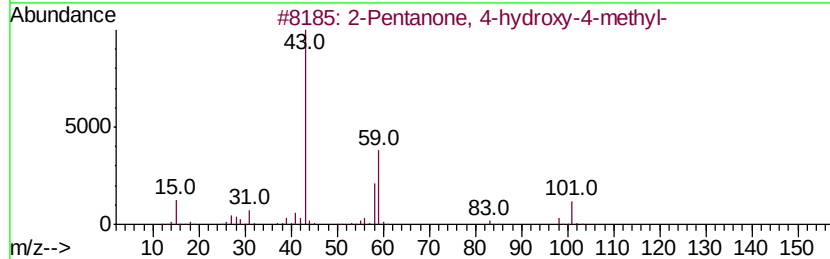
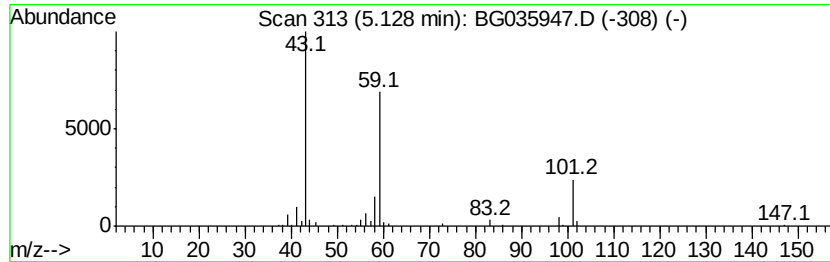
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M  
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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 5.13 | 13.24 ng | 127066 | 1,4-Dichlorobenzene-d4 | 8.02 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-   | 116 | C6H12O2 | 000123-42-2 | 59   |
| 2    |    |   | (+)-4-Amino-4,5-dihydro-2(3H)-f... | 101 | C4H7NO2 | 016504-58-8 | 38   |
| 3    |    |   | Guanidine                          | 59  | CH5N3   | 000113-00-8 | 38   |
| 4    |    |   | Propane, 1-ethoxy-2-methyl-        | 102 | C6H14O  | 000627-02-1 | 35   |
| 5    |    |   | 2-Nonanone                         | 142 | C9H18O  | 000821-55-6 | 17   |



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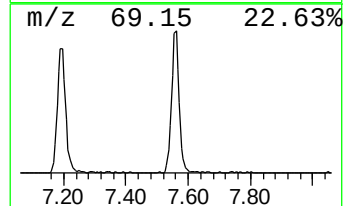
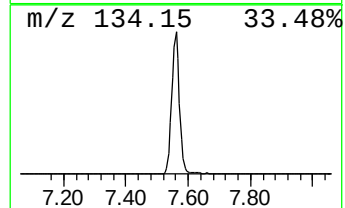
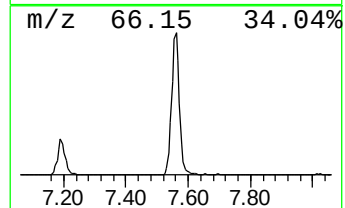
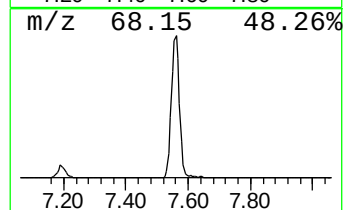
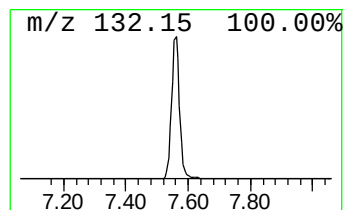
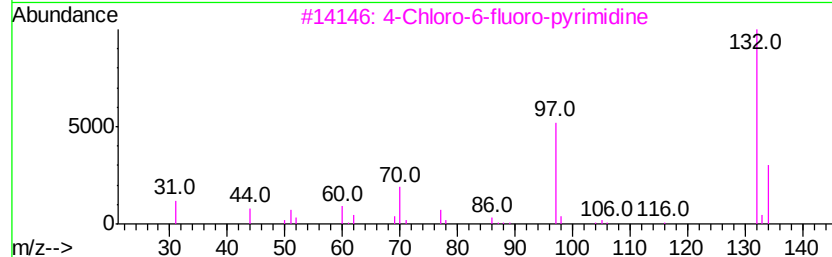
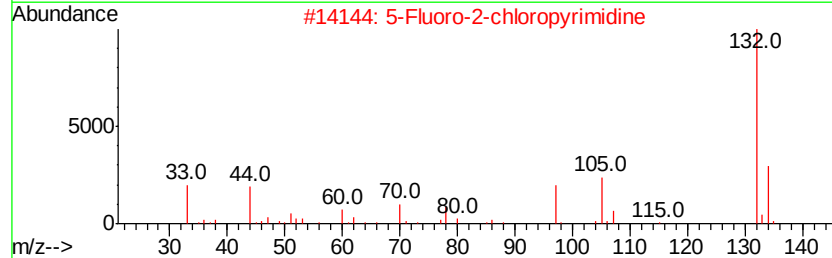
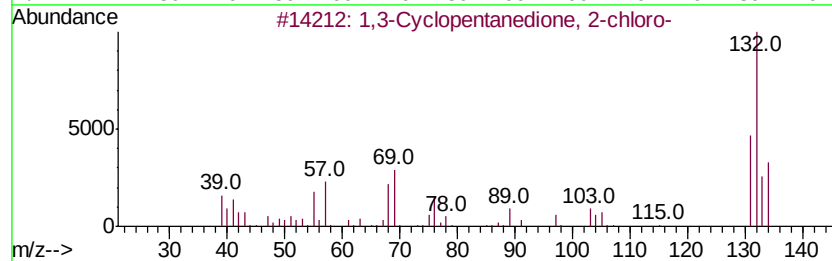
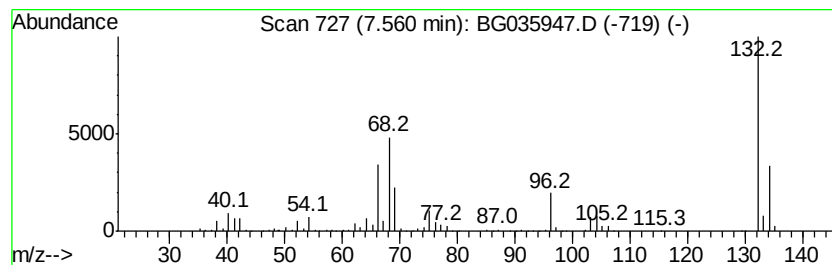
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TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown7.56 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 7.56 | 118.34 ng | 1136010 | 1,4-Dichlorobenzene-d4 | 8.02 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 1,3-Cyclopentanedione, 2-chloro- | 132 | C5H5ClO2  | 014203-19-1  | 32   |
| 2    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 27   |
| 3    |    | 4-Chloro-6-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-01-6  | 27   |
| 4    |    | 1H-Benzimidazole, 2-methyl-      | 132 | C8H8N2    | 000615-15-6  | 22   |
| 5    |    | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 16   |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| 2-Pentanone, 4-hy... | 5.13 | 13.2    | ng    | 127066   | 1                     | 8.02 | 191986 | 20.0 |
| unknown7.56          | 7.56 | 118.3   | ng    | 1136010  | 1                     | 8.02 | 191986 | 20.0 |