

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011419\  
 Data File : BM018561.D  
 Acq On : 14 Jan 2019 20:58  
 Operator : JU/SJ  
 Sample : PB116317BL  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB116317BL

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\_M\METHODS\8270-BM010919.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         | 4.893       | 302           | 307         | 319          | rVB      | 141129         | 214504        | 1.44%           | 0.302%        |
| 2         | 5.346       | 377           | 384         | 394          | rBV      | 3200176        | 4870904       | 32.65%          | 6.858%        |
| 3         | 6.928       | 646           | 653         | 663          | rBV      | 3420890        | 5324789       | 35.69%          | 7.498%        |
| 4         | 7.287       | 707           | 714         | 728          | rBV      | 3573633        | 5588081       | 37.45%          | 7.868%        |
| 5         | 7.751       | 787           | 793         | 803          | rVB      | 762336         | 1204199       | 8.07%           | 1.696%        |
| 6         | 8.069       | 839           | 847         | 857          | rBV      | 2590399        | 4178433       | 28.01%          | 5.883%        |
| 7         | 8.916       | 984           | 991         | 1003         | rBV      | 1960461        | 3254866       | 21.82%          | 4.583%        |
| 8         | 10.545      | 1260          | 1268        | 1276         | rBV      | 999153         | 1670268       | 11.20%          | 2.352%        |
| 9         | 13.016      | 1681          | 1688        | 1702         | rBV      | 5778654        | 8359120       | 56.03%          | 11.770%       |
| 10        | 14.398      | 1917          | 1923        | 1939         | rVB2     | 1526851        | 2429944       | 16.29%          | 3.421%        |
| 11        | 15.892      | 2171          | 2177        | 2192         | rBV      | 4975034        | 7145614       | 47.89%          | 10.061%       |
| 12        | 17.151      | 2385          | 2391        | 2398         | rBV      | 2202132        | 3143098       | 21.07%          | 4.426%        |
| 13        | 19.780      | 2832          | 2838        | 2844         | rBV      | 12109242       | 14919682      | 100.00%         | 21.008%       |
| 14        | 21.339      | 3098          | 3103        | 3112         | rBV      | 3364451        | 4239563       | 28.42%          | 5.969%        |
| 15        | 23.621      | 3484          | 3491        | 3502         | rVB2     | 2301544        | 4477626       | 30.01%          | 6.305%        |

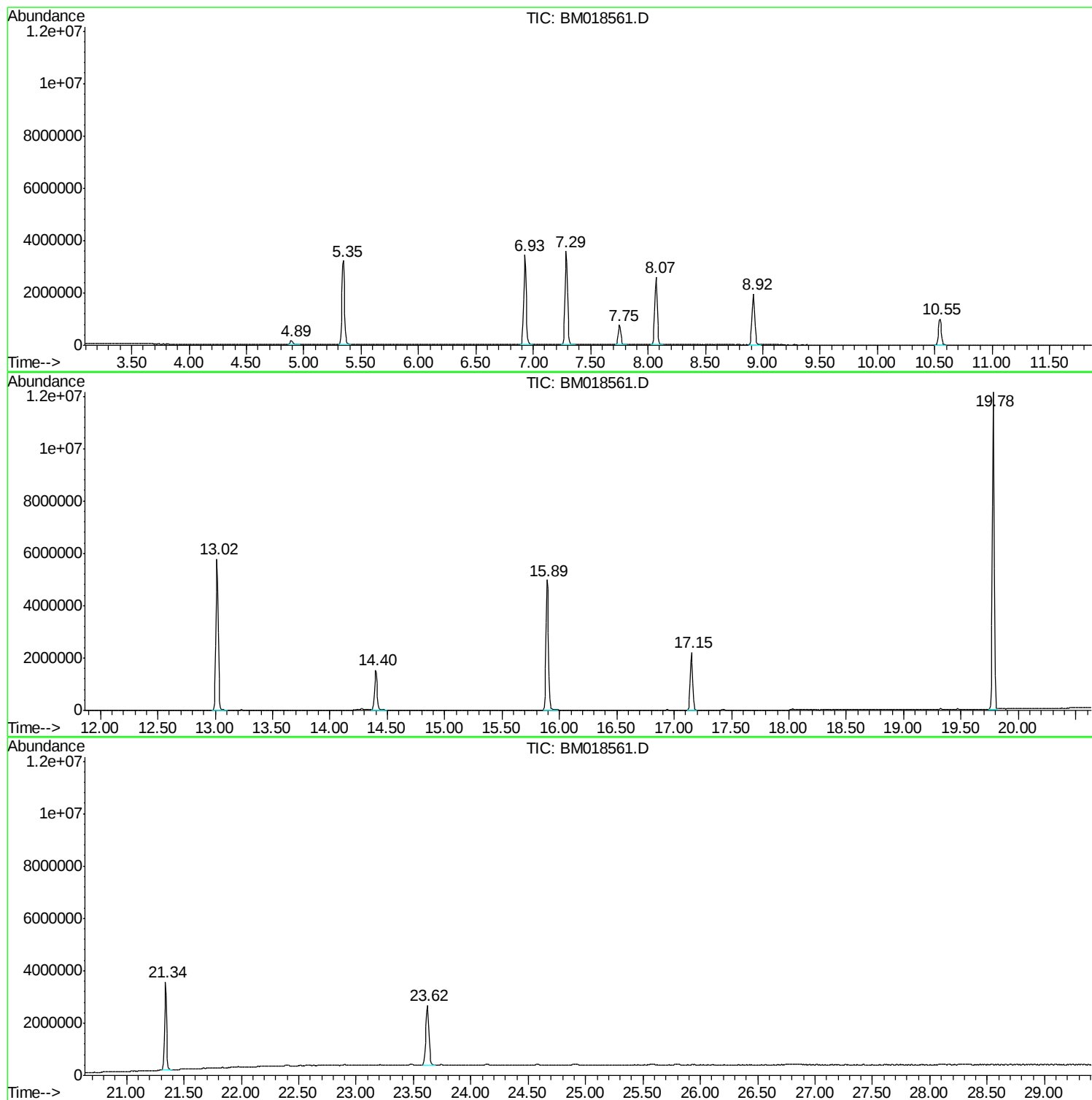
Sum of corrected areas: 71020691

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM010919.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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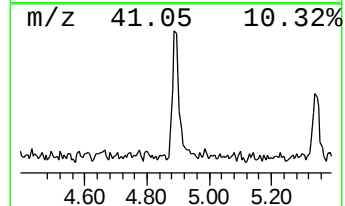
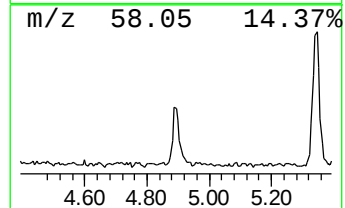
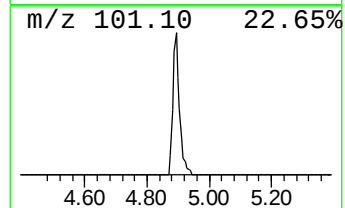
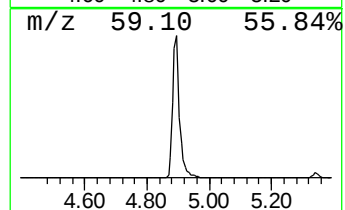
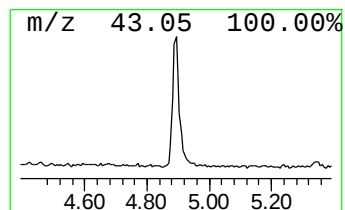
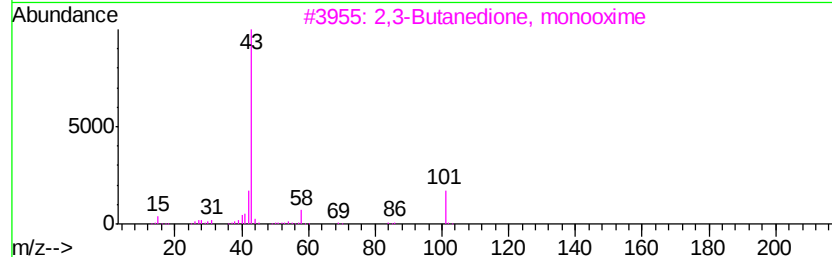
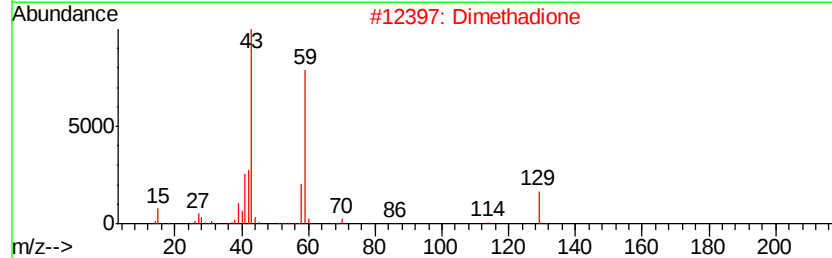
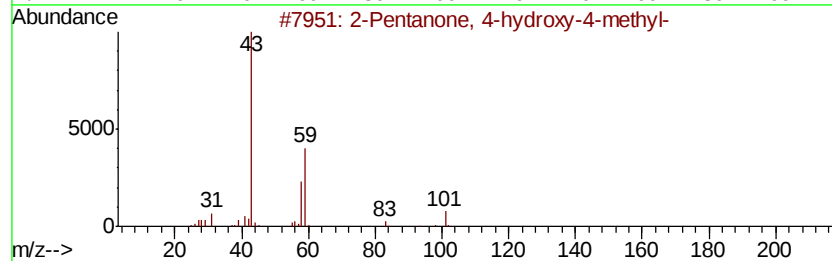
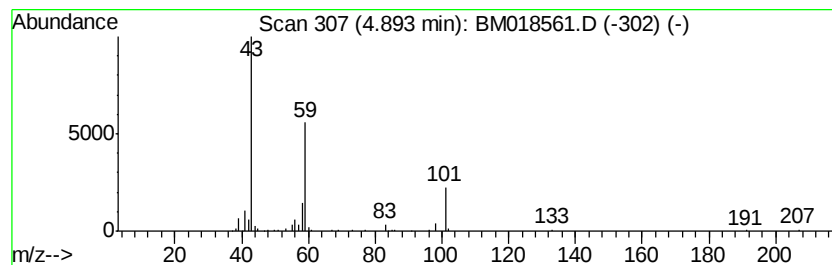
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM010919.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 4.89 | 3.56 ng | 214504 | 1,4-Dichlorobenzene-d4 | 7.75 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-   | 116 | C6H12O2 | 000123-42-2 | 56   |
| 2    |    |   | Dimethadione                       | 129 | C5H7NO3 | 000695-53-4 | 40   |
| 3    |    |   | 2,3-Butanedione, monooxime         | 101 | C4H7NO2 | 000057-71-6 | 35   |
| 4    |    |   | 3-Octanol                          | 130 | C8H18O  | 020296-29-1 | 33   |
| 5    |    |   | Hydrazine, 1,1-bis(1-methylethyl)- | 116 | C6H16N2 | 000921-14-2 | 33   |



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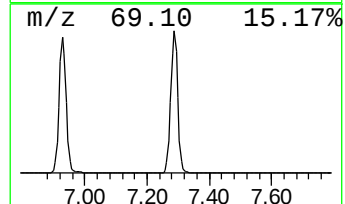
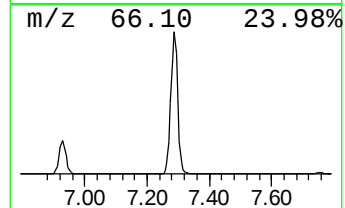
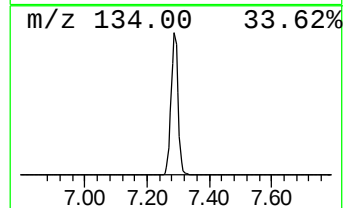
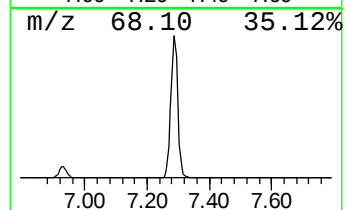
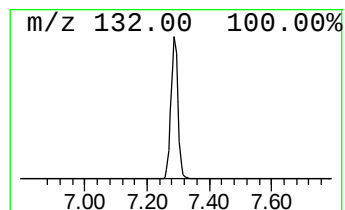
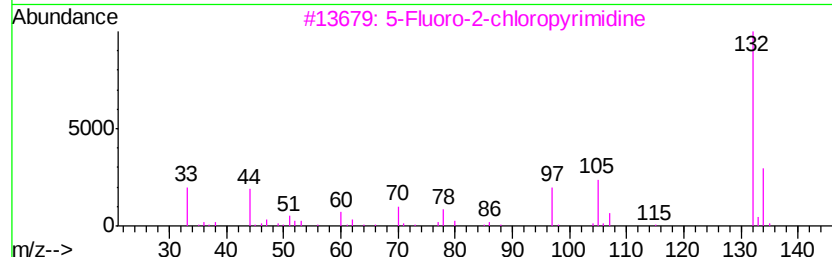
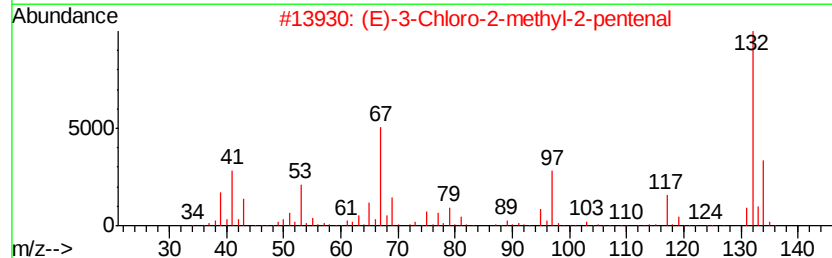
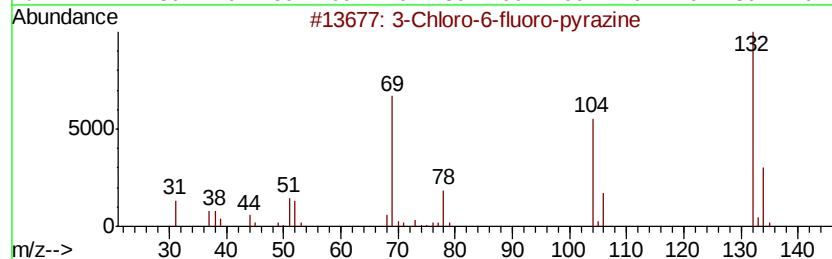
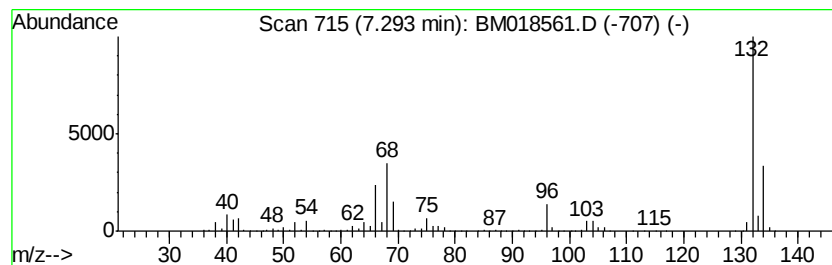
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Peak Number 2 unknown7.29 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 7.29 | 92.81 ng | 5588080 | 1,4-Dichlorobenzene-d4 | 7.75 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 35   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3  | 17   |
| 3    |    | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0  | 17   |
| 4    |    | Benzene, 1,3,5-trifluoro-           | 132 | C6H3F3    | 000372-38-3  | 9    |
| 5    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |         |      |
|----------------------|------|---------|-------|----------|-----------------------|------|---------|------|
|                      |      |         |       |          | #                     | RT   | Resp    | Conc |
| 2-Pentanone, 4-hy... | 4.89 | 3.6     | ng    | 214504   | 1                     | 7.75 | 1204200 | 20.0 |
| unknown7.29          | 7.29 | 92.8    | ng    | 5588080  | 1                     | 7.75 | 1204200 | 20.0 |