

Data Path : Z:\HPCHEM1\BNA\_F\Data\BF041817\  
 Data File : BF094483.D  
 Acq On : 18 Apr 2017 13:30  
 Operator : SJ/MA  
 Sample : PB98269BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB98269BL

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\_F\METHODS\8270-BF041717.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         | 3.937       | 335           | 340         | 348          | rBV      | 397193         | 476810        | 12.77%          | 1.689%        |
| 2         | 4.331       | 402           | 407         | 410          | rBV      | 2906089        | 2821348       | 75.57%          | 9.995%        |
| 3         | 5.401       | 584           | 589         | 592          | rBV      | 2738803        | 2994984       | 80.22%          | 10.610%       |
| 4         | 5.525       | 606           | 610         | 614          | rBV      | 2917255        | 3080533       | 82.51%          | 10.913%       |
| 5         | 5.772       | 648           | 652         | 656          | rBV      | 805720         | 681948        | 18.27%          | 2.416%        |
| 6         | 5.948       | 678           | 682         | 686          | rBV      | 2463756        | 2459282       | 65.87%          | 8.712%        |
| 7         | 6.419       | 757           | 762         | 765          | rBV      | 1686216        | 1847451       | 49.48%          | 6.545%        |
| 8         | 7.266       | 902           | 906         | 909          | rBV      | 1053176        | 951564        | 25.49%          | 3.371%        |
| 9         | 8.589       | 1126          | 1131        | 1134         | rBV      | 3750261        | 3616718       | 96.88%          | 12.812%       |
| 10        | 9.395       | 1264          | 1268        | 1275         | rVB2     | 1001524        | 926423        | 24.81%          | 3.282%        |
| 11        | 10.371      | 1429          | 1434        | 1438         | rBV      | 1783021        | 1891067       | 50.65%          | 6.699%        |
| 12        | 11.213      | 1573          | 1577        | 1581         | rBV      | 1052410        | 1075076       | 28.80%          | 3.809%        |
| 13        | 13.201      | 1909          | 1915        | 1918         | rBV      | 3211797        | 3733382       | 100.00%         | 13.226%       |
| 14        | 14.459      | 2124          | 2129        | 2133         | rBV      | 927921         | 947584        | 25.38%          | 3.357%        |
| 15        | 16.083      | 2400          | 2405        | 2414         | rBV      | 671491         | 724052        | 19.39%          | 2.565%        |

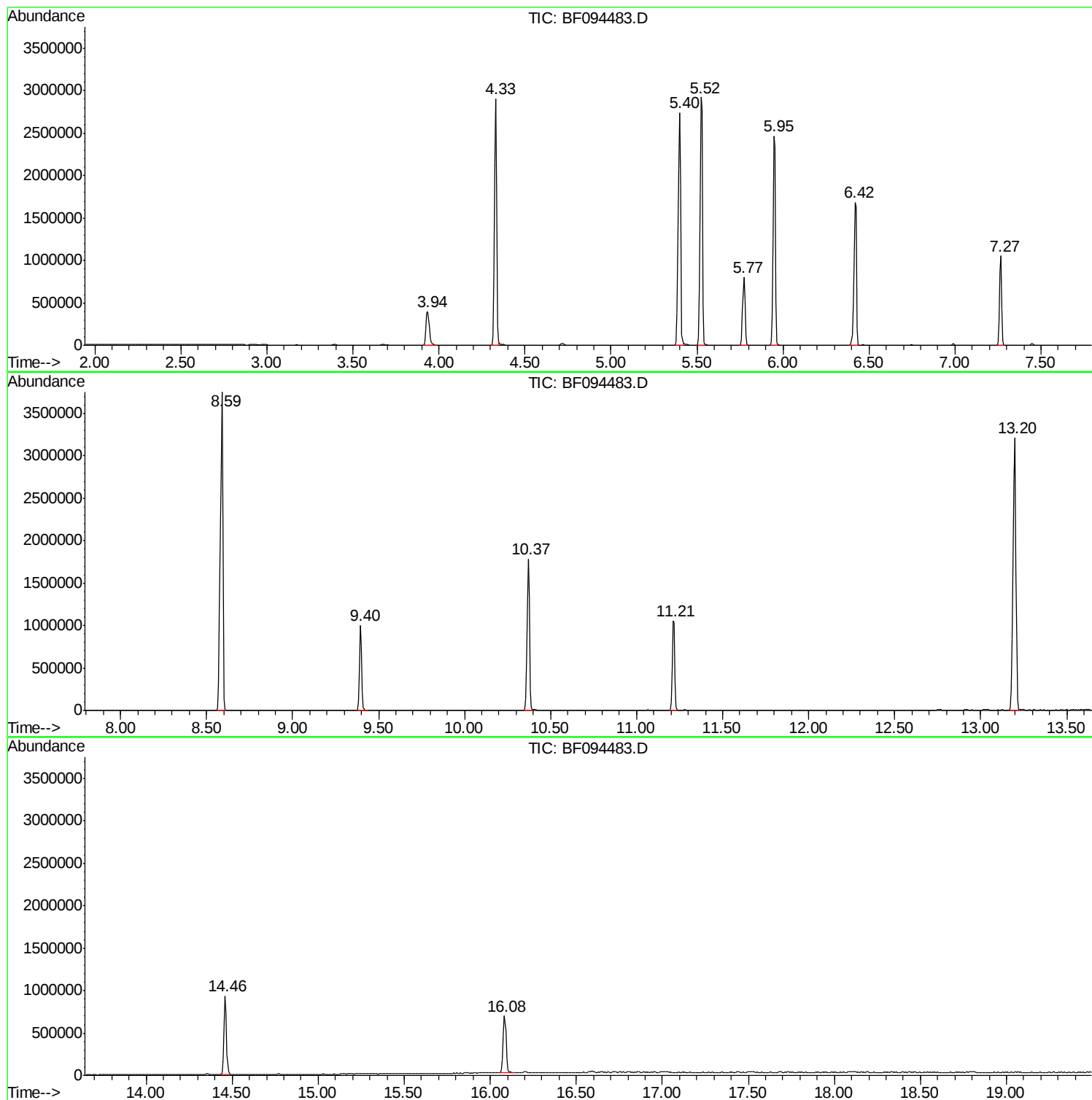
Sum of corrected areas: 28228222

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.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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ClientSampled :  
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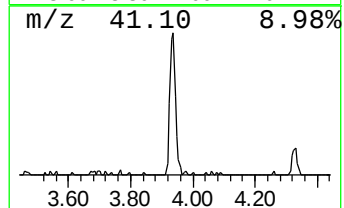
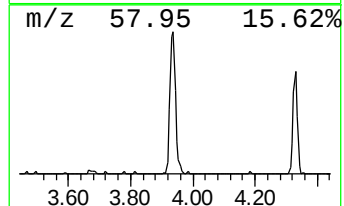
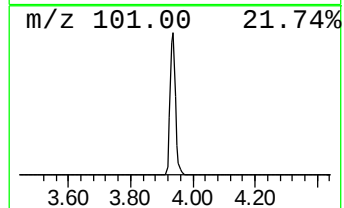
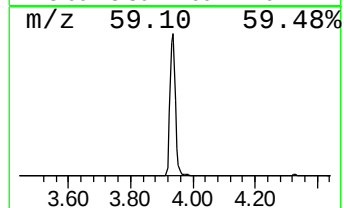
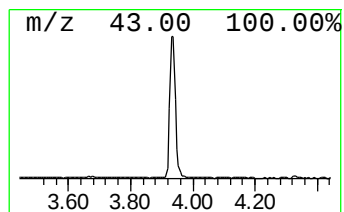
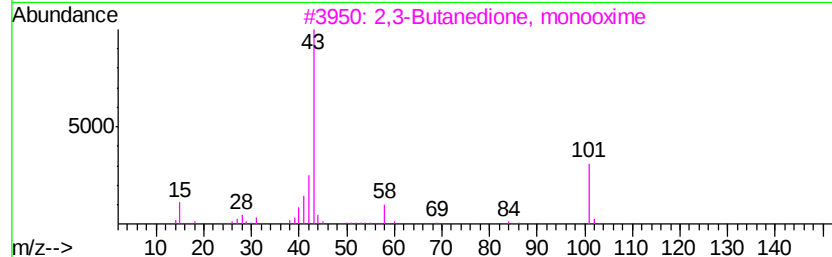
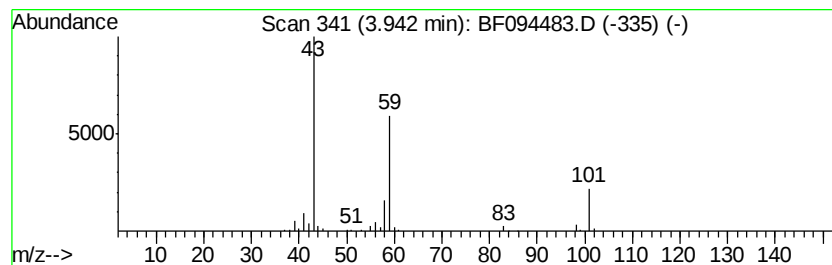
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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 3.94 | 13.98 ng | 476810 | 1,4-Dichlorobenzene-d4 | 5.77 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-     | 116 | C6H12O2  | 000123-42-2 | 56   |
| 2    |    | Acetic acid, cyano-, 1,1-dimethyl... | 141 | C7H11NO2 | 001116-98-9 | 17   |
| 3    |    | 2,3-Butanedione, monooxime           | 101 | C4H7NO2  | 000057-71-6 | 17   |
| 4    |    | Morpholine, 4-methyl-                | 101 | C5H11NO  | 000109-02-4 | 9    |
| 5    |    | 5-Hexen-2-one                        | 98  | C6H10O   | 000109-49-9 | 9    |



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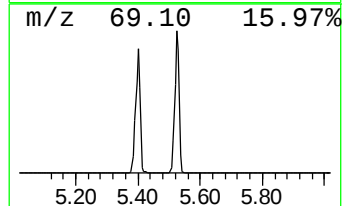
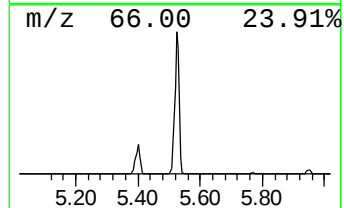
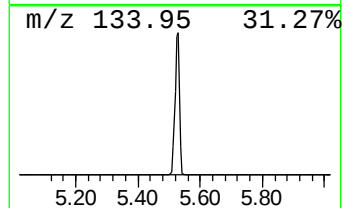
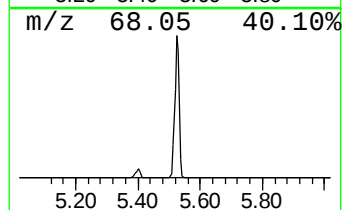
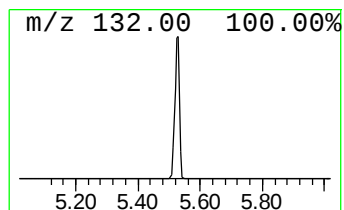
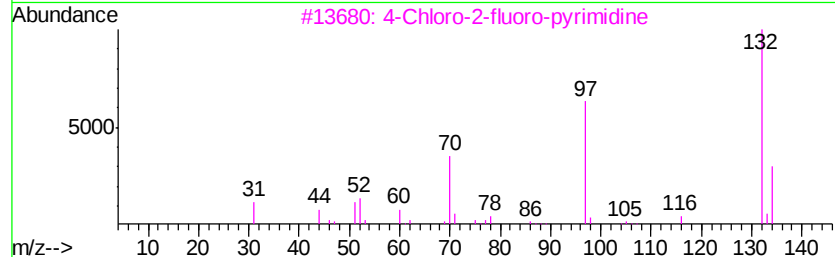
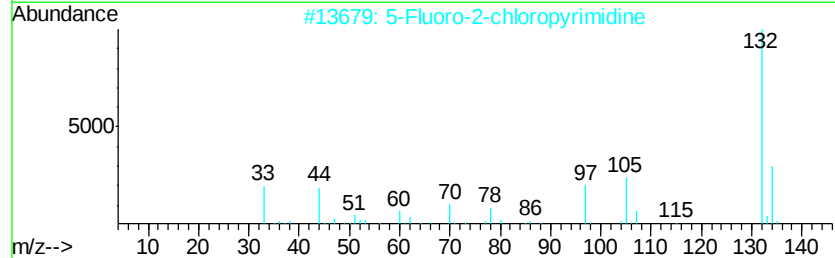
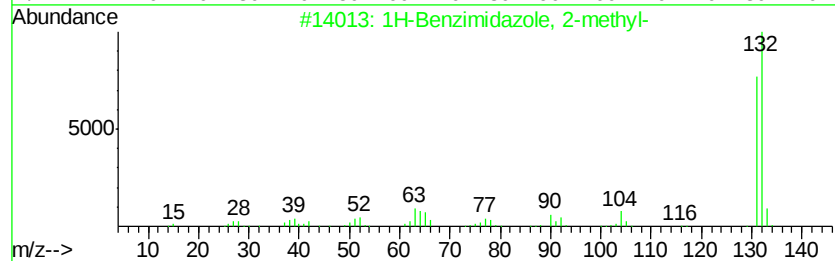
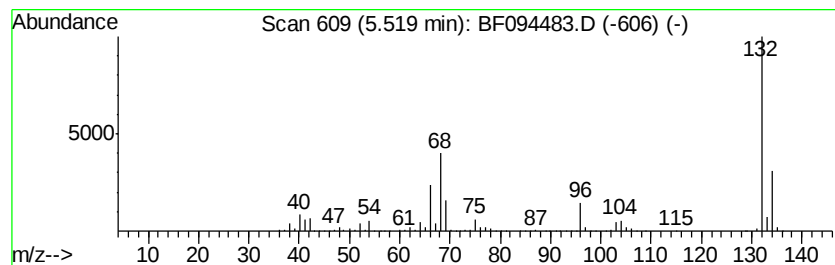
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Peak Number 2 unknown5.52 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 5.52 | 90.35 ng | 3080530 | 1,4-Dichlorobenzene-d4 | 5.77 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|-------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | 1H-Benzimidazole, 2-methyl-         | 132 | C8H8N2    | 000615-15-6 | 10   |
| 2    |    | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0 | 9    |
| 3    |    | 4-Chloro-2-fluoro-pyrimidine        | 132 | C4H2ClFN2 | 051422-00-5 | 9    |
| 4    |    | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2    | 022291-85-6 | 9    |
| 5    |    | 1-Methylpyrrolo[1,2-a]pyrazine      | 132 | C8H8N2    | 064608-59-9 | 9    |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| 2-Pentanone, 4-hy... | 3.94 | 14.0    | ng    | 476810   | 1                     | 5.77 | 681948 | 20.0 |
| unknown5.52          | 5.52 | 90.3    | ng    | 3080530  | 1                     | 5.77 | 681948 | 20.0 |