

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF043016\  
 Data File : BF086514.D  
 Acq On : 30 Apr 2016 10:45  
 Operator : UM/SJ  
 Sample : PB90035BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB90035BL

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-BF042716.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         | 4.956       | 249           | 251         | 259          | rBV      | 66044          | 103672        | 2.12%           | 0.280%        |
| 2         | 5.367       | 284           | 287         | 289          | rBV      | 3889371        | 4058330       | 82.93%          | 10.944%       |
| 3         | 6.407       | 375           | 378         | 380          | rBV      | 3724669        | 3885851       | 79.41%          | 10.479%       |
| 4         | 6.533       | 387           | 389         | 392          | rBV      | 3789902        | 3816634       | 77.99%          | 10.293%       |
| 5         | 6.761       | 407           | 409         | 412          | rBV      | 767767         | 882411        | 18.03%          | 2.380%        |
| 6         | 6.921       | 420           | 423         | 425          | rBV      | 3408678        | 3049215       | 62.31%          | 8.223%        |
| 7         | 7.333       | 456           | 459         | 461          | rBV      | 2499010        | 2653360       | 54.22%          | 7.156%        |
| 8         | 8.053       | 519           | 522         | 524          | rBV      | 1234523        | 1239347       | 25.33%          | 3.342%        |
| 9         | 9.127       | 613           | 616         | 619          | rBV      | 3397647        | 4189928       | 85.62%          | 11.299%       |
| 10        | 9.802       | 672           | 675         | 678          | rBV      | 1490279        | 1422488       | 29.07%          | 3.836%        |
| 11        | 10.213      | 709           | 711         | 715          | rVB      | 37062          | 59344         | 1.21%           | 0.160%        |
| 12        | 10.590      | 741           | 744         | 747          | rBV      | 2647720        | 2869383       | 58.63%          | 7.738%        |
| 13        | 11.288      | 802           | 805         | 807          | rBV      | 1152777        | 1409657       | 28.81%          | 3.802%        |
| 14        | 12.876      | 941           | 944         | 946          | rBV      | 3803372        | 4893680       | 100.00%         | 13.197%       |
| 15        | 13.916      | 1032          | 1035        | 1037         | rBV      | 1095331        | 1417269       | 28.96%          | 3.822%        |
| 16        | 15.311      | 1154          | 1157        | 1173         | rBV      | 770248         | 1130440       | 23.10%          | 3.049%        |

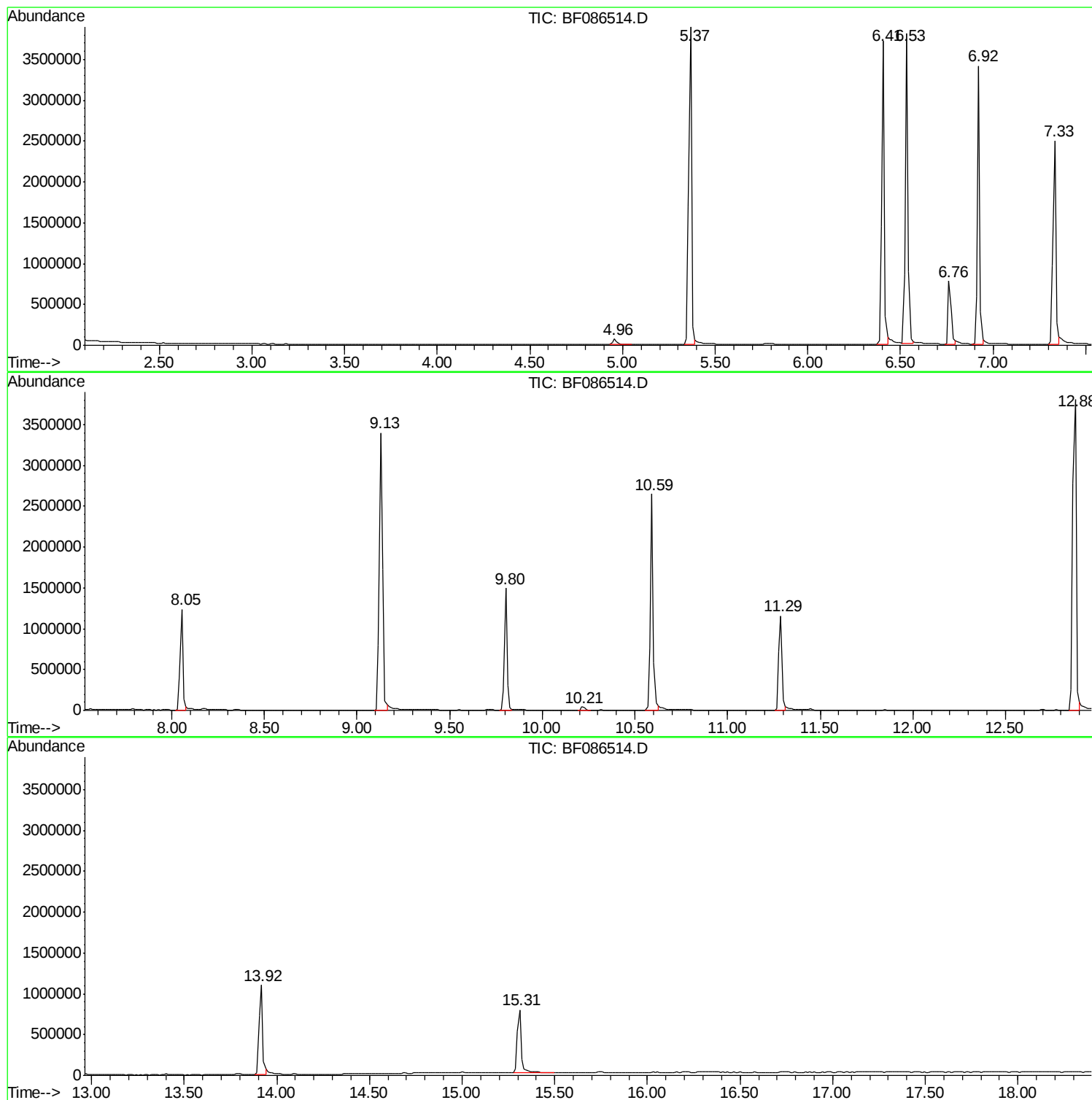
Sum of corrected areas: 37081009

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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF042716.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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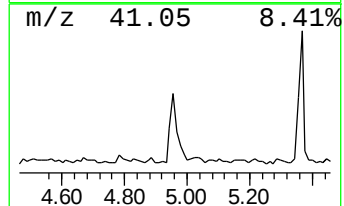
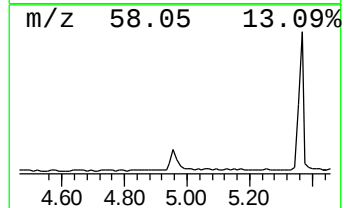
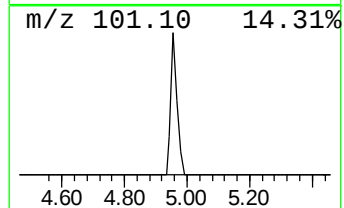
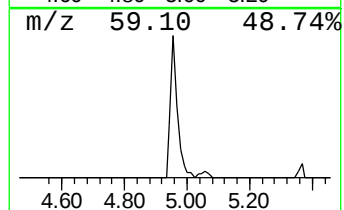
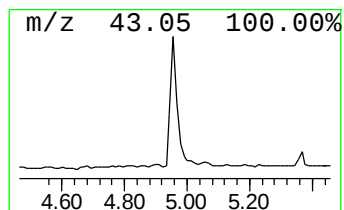
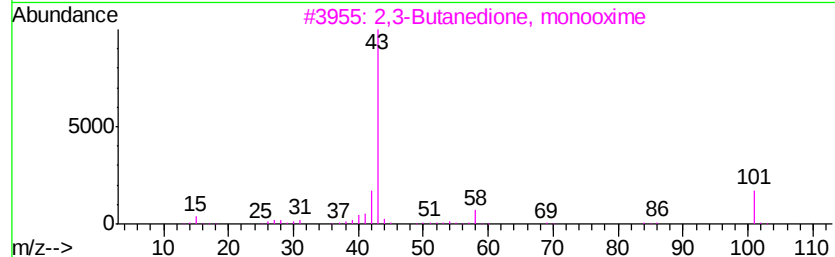
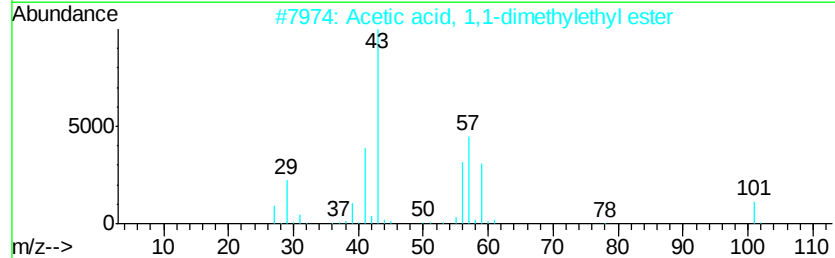
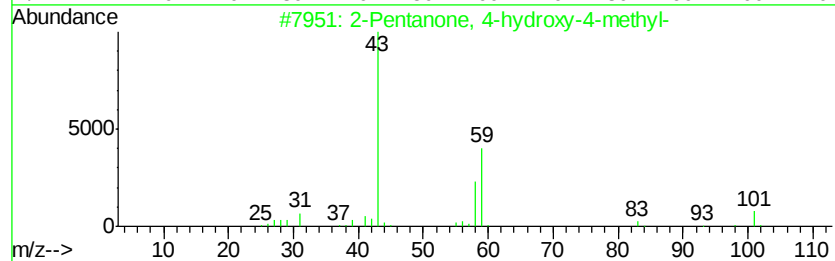
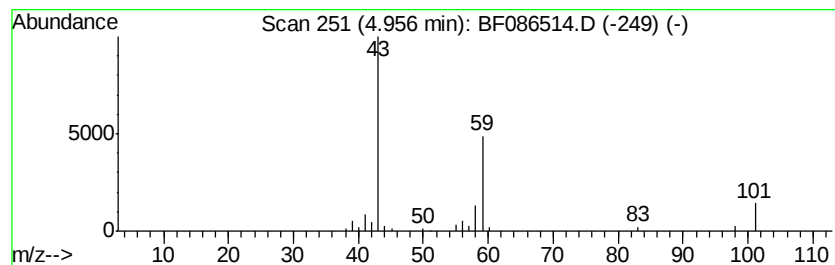
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TIC Integration Parameters: LSCINT.P

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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. |
|------|---------|--------|------------------------|------|
| 4.96 | 2.35 ng | 103672 | 1,4-Dichlorobenzene-d4 | 6.76 |

| 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, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 28   |
| 3    |    | 2,3-Butanedione, monooxime          | 101 | C4H7NO2 | 000057-71-6 | 9    |
| 4    |    | Diacetamide                         | 101 | C4H7NO2 | 000625-77-4 | 9    |
| 5    |    | 1-Propen-2-ol, acetate              | 100 | C5H8O2  | 000108-22-5 | 9    |



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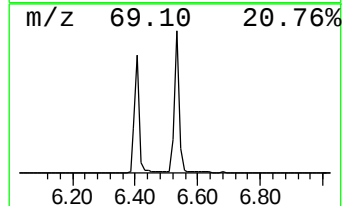
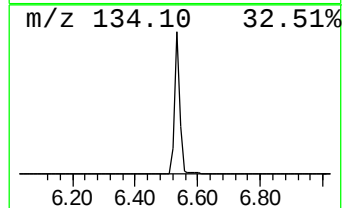
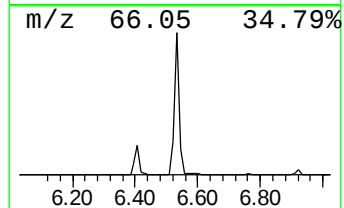
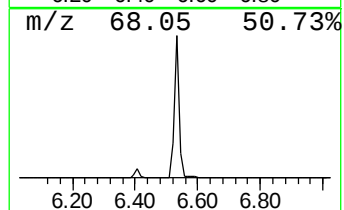
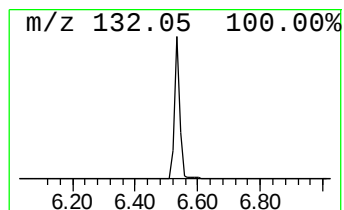
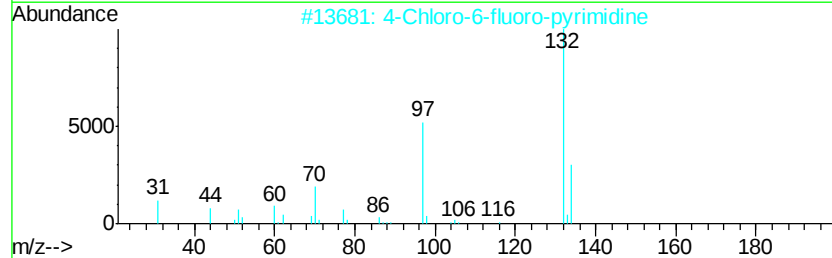
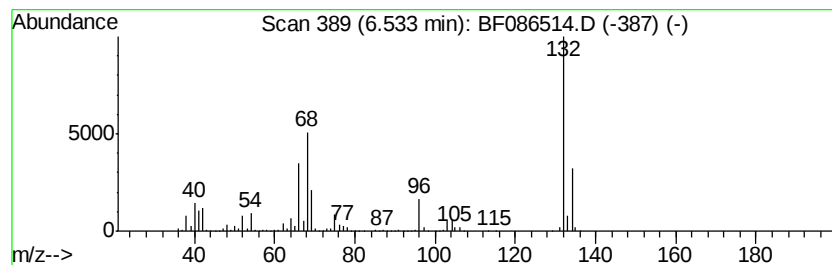
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Peak Number 2 unknown6.53 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.53 | 86.50 ng | 3816630 | 1,4-Dichlorobenzene-d4 | 6.76 |

| Hit# | of | Tentative ID                 | MW  | MolForm   | CAS#         | Qual |
|------|----|------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine   | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | 4-Chloro-6-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-01-6  | 27   |
| 3    |    | Tranylcypromine-propionyl    | 189 | C12H15NO  | 1000123-86-3 | 22   |
| 4    |    | 1H-Benzimidazole, 2-methyl-  | 132 | C8H8N2    | 000615-15-6  | 22   |
| 5    |    | 5-Fluoro-2-chloropyrimidine  | 132 | C4H2ClFN2 | 062802-42-0  | 12   |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| 2-Pentanone, 4-hy... | 4.96 | 2.4     | ng    | 103672   | 1                     | 6.76 | 882411 | 20.0 |
| unknown6.53          | 6.53 | 86.5    | ng    | 3816630  | 1                     | 6.76 | 882411 | 20.0 |