

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF043016\  
 Data File : BF086524.D  
 Acq On : 30 Apr 2016 15:27  
 Operator : UM/SJ  
 Sample : PB90186BL  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB90186BL

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         | 4.944       | 247           | 250         | 258          | rBV      | 155615         | 231063        | 5.40%           | 0.667%        |
| 2         | 5.367       | 284           | 287         | 289          | rBV      | 2787786        | 3721786       | 87.02%          | 10.750%       |
| 3         | 5.767       | 320           | 322         | 331          | rVB2     | 24412          | 55099         | 1.29%           | 0.159%        |
| 4         | 6.407       | 375           | 378         | 380          | rBV      | 3517784        | 4090121       | 95.63%          | 11.814%       |
| 5         | 6.533       | 386           | 389         | 391          | rBV      | 3795667        | 3702109       | 86.56%          | 10.693%       |
| 6         | 6.762       | 407           | 409         | 412          | rBV      | 730597         | 799186        | 18.69%          | 2.308%        |
| 7         | 6.922       | 420           | 423         | 425          | rBV      | 3040349        | 2847383       | 66.57%          | 8.224%        |
| 8         | 7.333       | 456           | 459         | 461          | rBV      | 2206659        | 2440696       | 57.07%          | 7.050%        |
| 9         | 8.053       | 519           | 522         | 524          | rBV      | 1066059        | 1103430       | 25.80%          | 3.187%        |
| 10        | 9.128       | 613           | 616         | 619          | rBV      | 3528702        | 3818325       | 89.28%          | 11.029%       |
| 11        | 9.802       | 672           | 675         | 678          | rBV      | 1364428        | 1298036       | 30.35%          | 3.749%        |
| 12        | 10.591      | 741           | 744         | 746          | rBV      | 2562060        | 2638260       | 61.68%          | 7.620%        |
| 13        | 11.288      | 802           | 805         | 807          | rBV      | 916258         | 1262037       | 29.51%          | 3.645%        |
| 14        | 12.865      | 941           | 943         | 946          | rBV      | 2920854        | 4277003       | 100.00%         | 12.354%       |
| 15        | 13.917      | 1032          | 1035        | 1046         | rBV      | 800673         | 1303367       | 30.47%          | 3.765%        |
| 16        | 15.300      | 1153          | 1156        | 1173         | rBV      | 563566         | 1033580       | 24.17%          | 2.985%        |

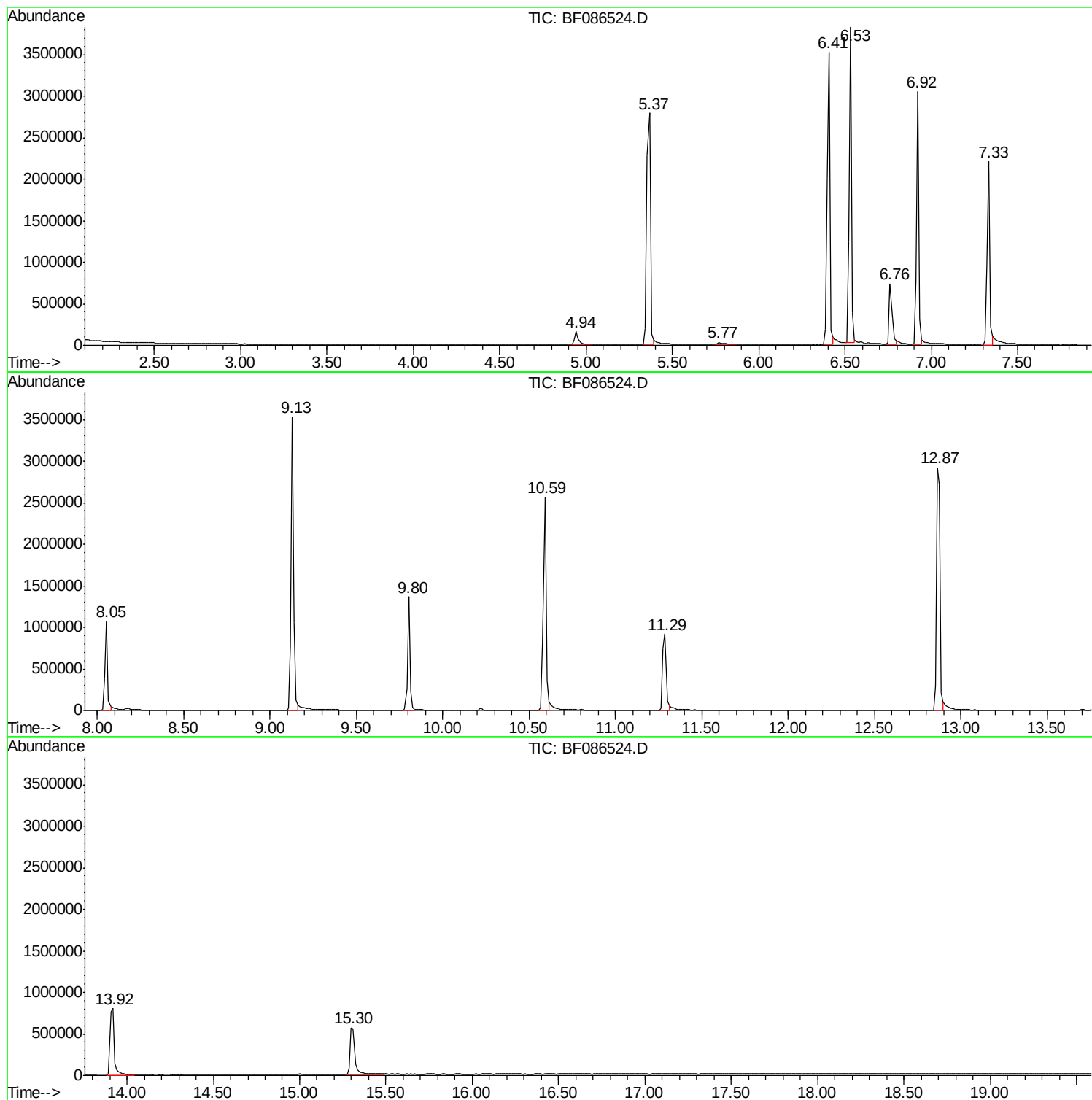
Sum of corrected areas: 34621481

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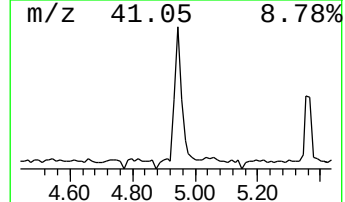
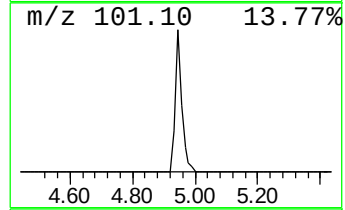
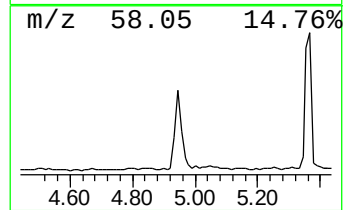
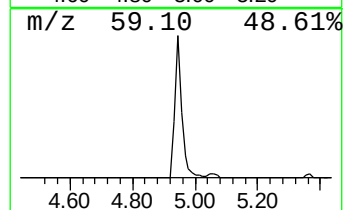
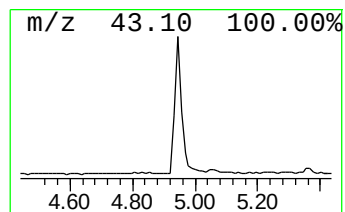
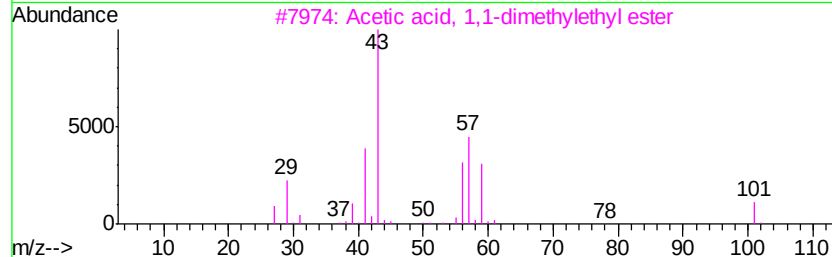
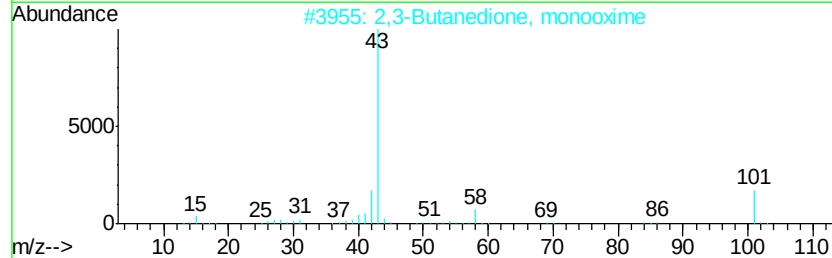
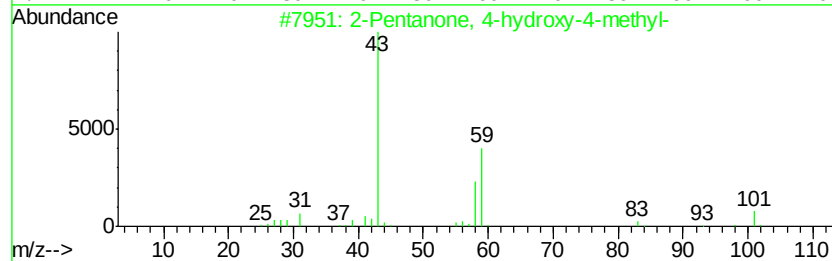
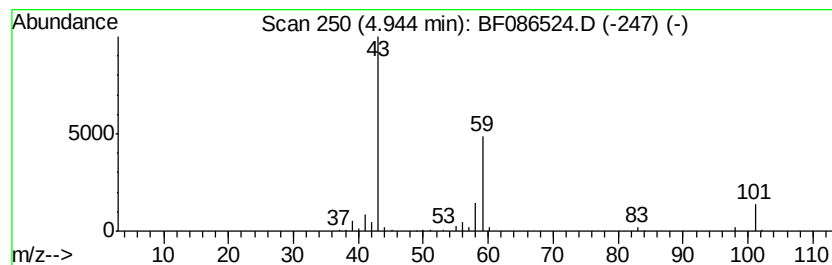
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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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. |
|------|---------|--------|------------------------|------|
| 4.94 | 5.78 ng | 231063 | 1,4-Dichlorobenzene-d4 | 6.76 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 50   |
| 2    |    |   | 2,3-Butanedione, monooxime          | 101 | C4H7NO2 | 000057-71-6 | 27   |
| 3    |    |   | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 23   |
| 4    |    |   | 1-Propen-2-ol, acetate              | 100 | C5H8O2  | 000108-22-5 | 10   |
| 5    |    |   | Butane                              | 58  | C4H10   | 000106-97-8 | 9    |



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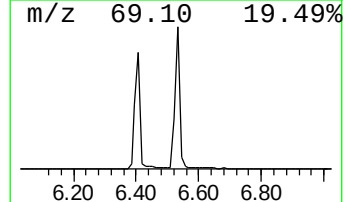
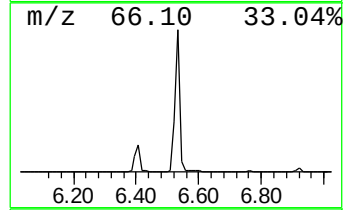
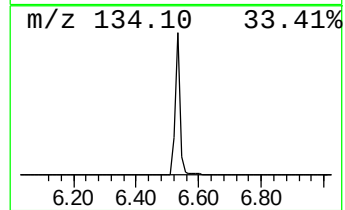
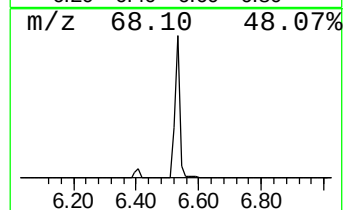
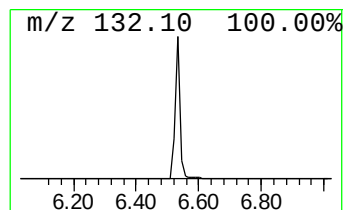
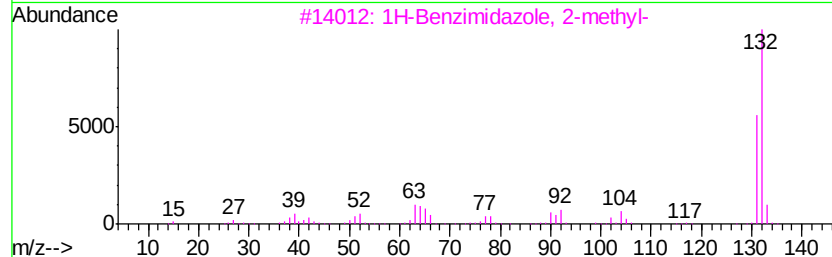
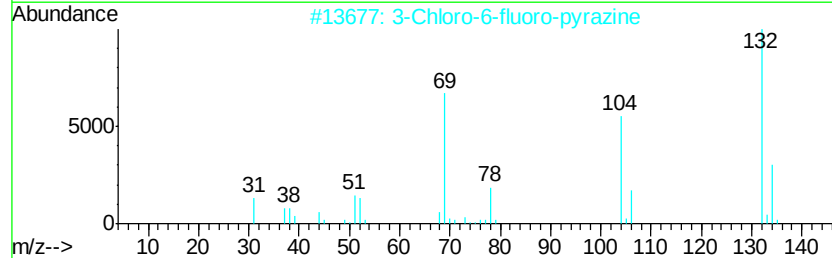
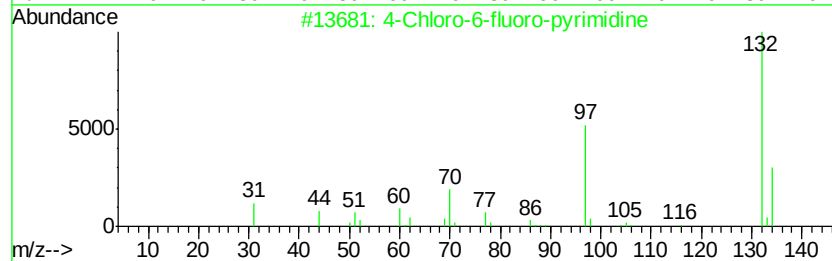
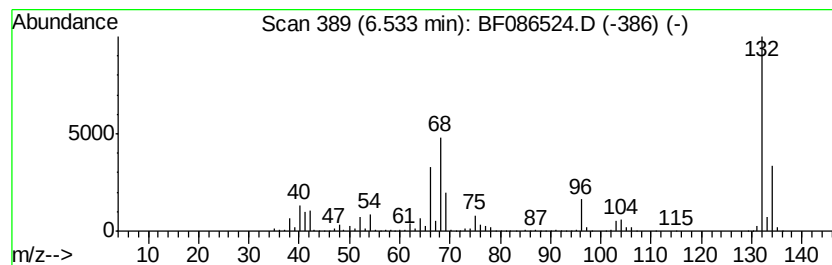
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Peak Number 2 unknown6.53 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.53 | 92.65 ng | 3702110 | 1,4-Dichlorobenzene-d4 | 6.76 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 4-Chloro-6-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-01-6  | 27   |
| 2    |    | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 3    |    | 1H-Benzimidazole, 2-methyl-      | 132 | C8H8N2    | 000615-15-6  | 22   |
| 4    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 16   |
| 5    |    | (5-METHYL-2-PYRIDYL)ACETONITRILE | 132 | C8H8N2    | 1000241-93-9 | 10   |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| 2-Pentanone, 4-hy... | 4.94 | 5.8     | ng    | 231063   | 1                     | 6.76 | 799186 | 20.0 |
| unknown6.53          | 6.53 | 92.7    | ng    | 3702110  | 1                     | 6.76 | 799186 | 20.0 |