

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052516\  
 Data File : BF087387.D  
 Acq On : 26 May 2016 00:12  
 Operator : UM/SJ  
 Sample : PB90852BL  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB90852BL

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-BF052316.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         | 1.644       | 3             | 5           | 34           | rVB      | 658396         | 1219180       | 31.59%          | 3.900%        |
| 2         | 4.776       | 276           | 279         | 292          | rBV      | 189957         | 489154        | 12.67%          | 1.565%        |
| 3         | 5.427       | 333           | 336         | 354          | rBV      | 2246467        | 3598095       | 93.23%          | 11.510%       |
| 4         | 7.062       | 476           | 479         | 486          | rBV      | 2459578        | 3484183       | 90.28%          | 11.146%       |
| 5         | 7.176       | 486           | 489         | 503          | rVB      | 2524679        | 3790424       | 98.22%          | 12.126%       |
| 6         | 7.519       | 516           | 519         | 527          | rVB      | 532887         | 720574        | 18.67%          | 2.305%        |
| 7         | 7.747       | 536           | 539         | 542          | rBV      | 1806015        | 2750781       | 71.28%          | 8.800%        |
| 8         | 8.433       | 596           | 599         | 601          | rBV      | 1609739        | 2335404       | 60.51%          | 7.471%        |
| 9         | 9.542       | 694           | 696         | 706          | rBV      | 642300         | 912525        | 23.65%          | 2.919%        |
| 10        | 11.325      | 848           | 852         | 855          | rBV      | 2694955        | 3859226       | 100.00%         | 12.346%       |
| 11        | 12.376      | 941           | 944         | 947          | rBV      | 641512         | 920686        | 23.86%          | 2.945%        |
| 12        | 13.668      | 1054          | 1057        | 1072         | rBV      | 1499718        | 2095862       | 54.31%          | 6.705%        |
| 13        | 14.765      | 1151          | 1153        | 1161         | rBV      | 532801         | 811415        | 21.03%          | 2.596%        |
| 14        | 17.131      | 1356          | 1360        | 1362         | rBV      | 2476785        | 3151909       | 81.67%          | 10.083%       |
| 15        | 18.468      | 1474          | 1477        | 1485         | rBV      | 485427         | 658613        | 17.07%          | 2.107%        |
| 16        | 20.126      | 1620          | 1622        | 1627         | rBV      | 322218         | 461215        | 11.95%          | 1.475%        |

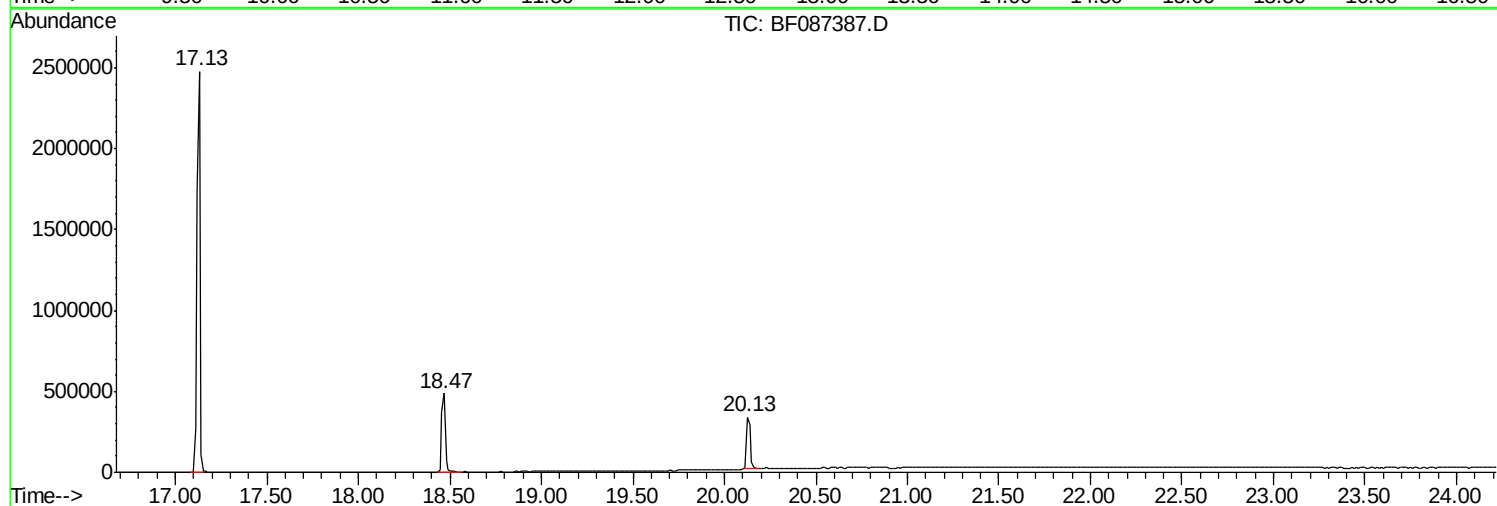
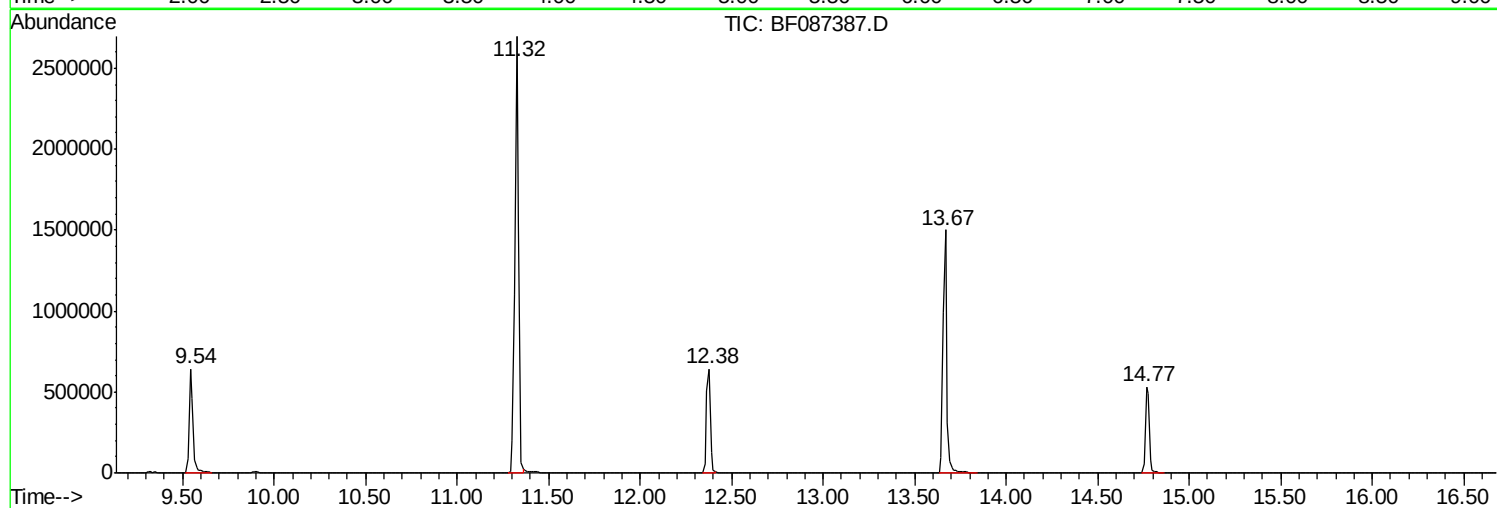
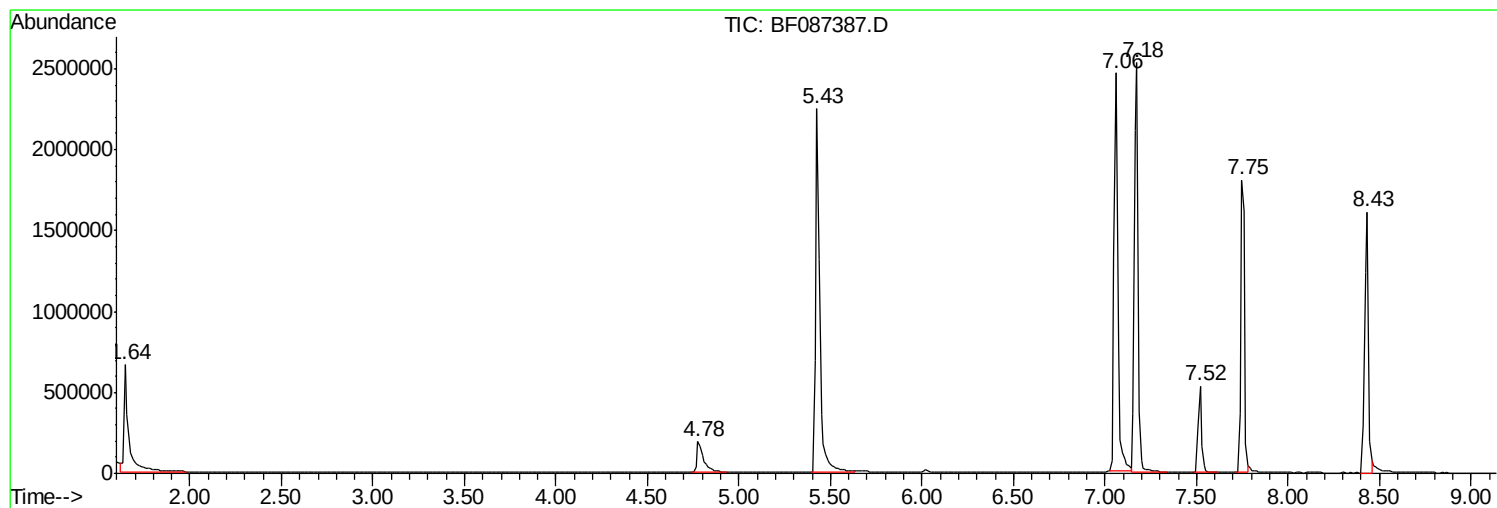
Sum of corrected areas: 31259246

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.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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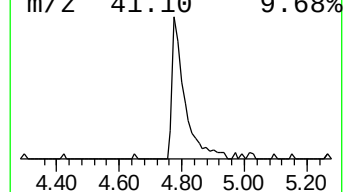
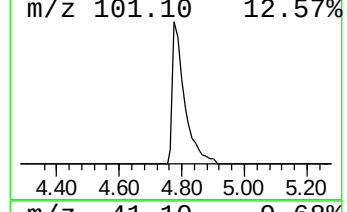
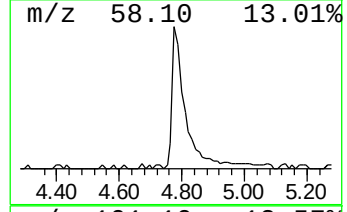
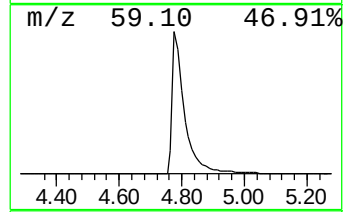
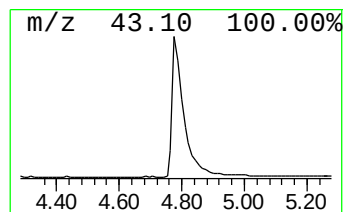
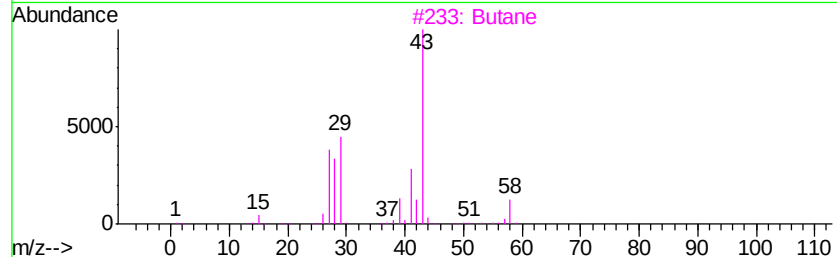
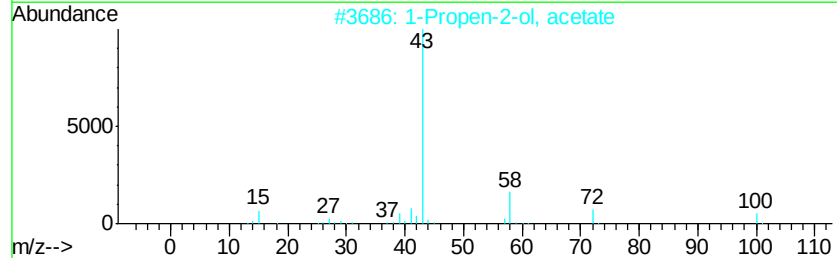
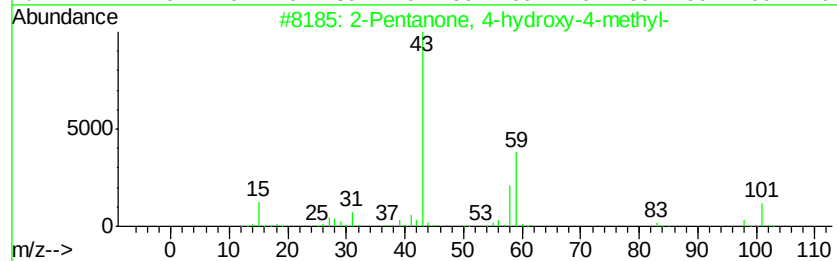
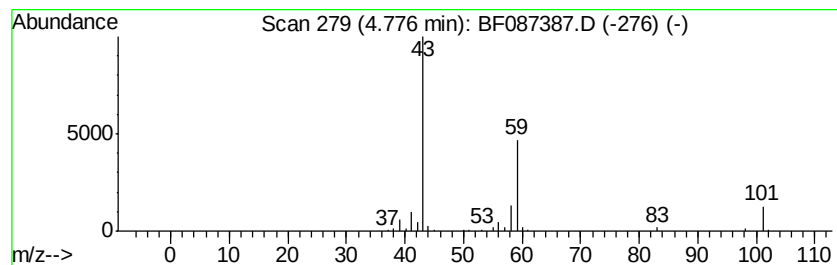
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Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 4.78 | 13.58 ng | 489154 | 1,4-Dichlorobenzene-d4 | 7.52 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 56   |
| 2    |    | 1-Propen-2-ol, acetate           | 100 | C5H8O2  | 000108-22-5 | 10   |
| 3    |    | Butane                           | 58  | C4H10   | 000106-97-8 | 9    |
| 4    |    | Diacetamide                      | 101 | C4H7NO2 | 000625-77-4 | 9    |
| 5    |    | 2,3-Butanedione, monooxime       | 101 | C4H7NO2 | 000057-71-6 | 9    |



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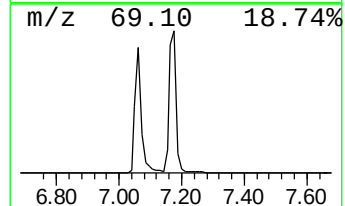
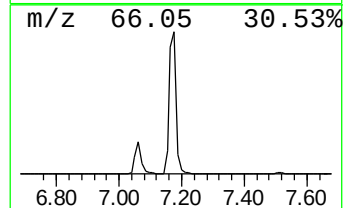
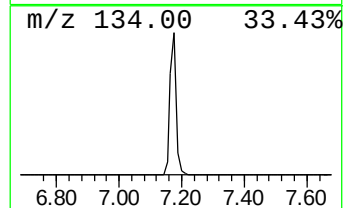
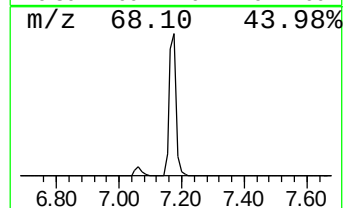
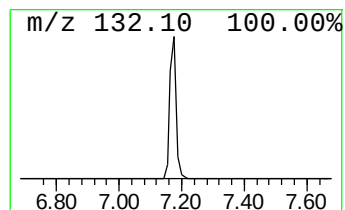
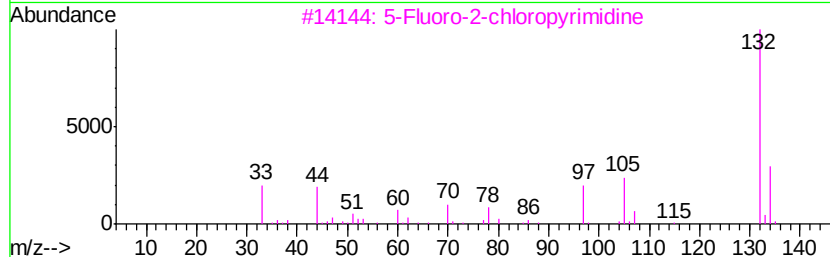
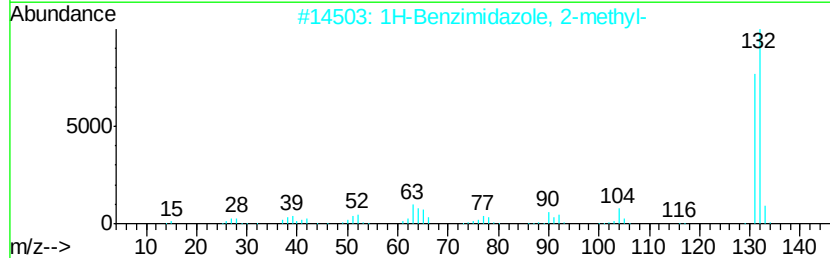
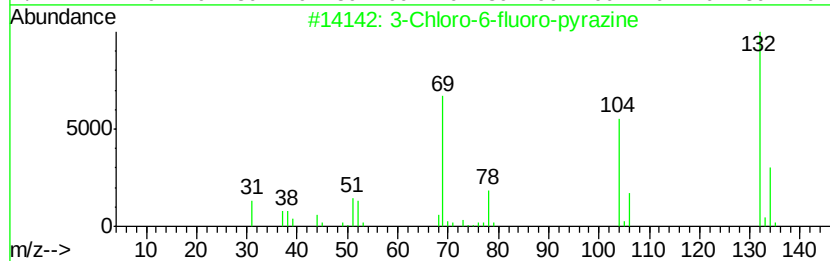
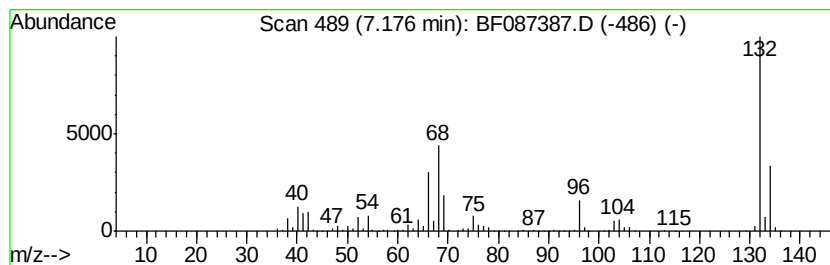
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Peak Number 3 unknown7.18 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 7.18 | 105.21 ng | 3790420 | 1,4-Dichlorobenzene-d4 | 7.52 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 35   |
| 2    |    | 1H-Benzimidazole, 2-methyl-      | 132 | C8H8N2    | 000615-15-6  | 22   |
| 3    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 12   |
| 4    |    | (5-Methyl-2-pyridyl)acetonitrile | 132 | C8H8N2    | 1000241-93-9 | 10   |
| 5    |    | 1,2,4-Trifluorobenzene           | 132 | C6H3F3    | 000367-23-7  | 9    |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| 2-Pentanone, 4-hy... | 4.78 | 13.6    | ng    | 489154   | 1                     | 7.52 | 720574 | 20.0 |
| unknown7.18          | 7.18 | 105.2   | ng    | 3790420  | 1                     | 7.52 | 720574 | 20.0 |