

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF080416\  
 Data File : BF089614.D  
 Acq On : 5 Aug 2016 5:49  
 Operator : UM/SJ  
 Sample : H4288-20  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GW-64-9.0-15.0

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-BF080416.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         | 1.701       | 4             | 10          | 13           | rVB      | 3614635        | 8829844       | 100.00%         | 47.210%       |
| 2         | 5.324       | 325           | 327         | 348          | rBV      | 211605         | 473883        | 5.37%           | 2.534%        |
| 3         | 6.970       | 470           | 471         | 479          | rBV      | 99506          | 270150        | 3.06%           | 1.444%        |
| 4         | 7.085       | 479           | 481         | 502          | rVB      | 699077         | 1113698       | 12.61%          | 5.955%        |
| 5         | 7.450       | 511           | 513         | 530          | rBV      | 106437         | 239105        | 2.71%           | 1.278%        |
| 6         | 7.679       | 530           | 533         | 549          | rBV      | 789224         | 1082534       | 12.26%          | 5.788%        |
| 7         | 8.353       | 589           | 592         | 618          | rBV      | 514454         | 874287        | 9.90%           | 4.674%        |
| 8         | 9.473       | 687           | 690         | 712          | rBV      | 206152         | 360432        | 4.08%           | 1.927%        |
| 9         | 11.256      | 842           | 846         | 848          | rBV      | 1166267        | 1685018       | 19.08%          | 9.009%        |
| 10        | 12.297      | 934           | 937         | 943          | rBV      | 272359         | 437168        | 4.95%           | 2.337%        |
| 11        | 13.577      | 1047          | 1049        | 1059         | rBV      | 594900         | 943738        | 10.69%          | 5.046%        |
| 12        | 14.685      | 1144          | 1146        | 1159         | rVB      | 285184         | 412050        | 4.67%           | 2.203%        |
| 13        | 17.051      | 1350          | 1353        | 1356         | rBV      | 1130755        | 1453587       | 16.46%          | 7.772%        |
| 14        | 18.377      | 1468          | 1469        | 1481         | rVB      | 175496         | 308278        | 3.49%           | 1.648%        |
| 15        | 20.046      | 1612          | 1615        | 1621         | rBV      | 131254         | 219585        | 2.49%           | 1.174%        |

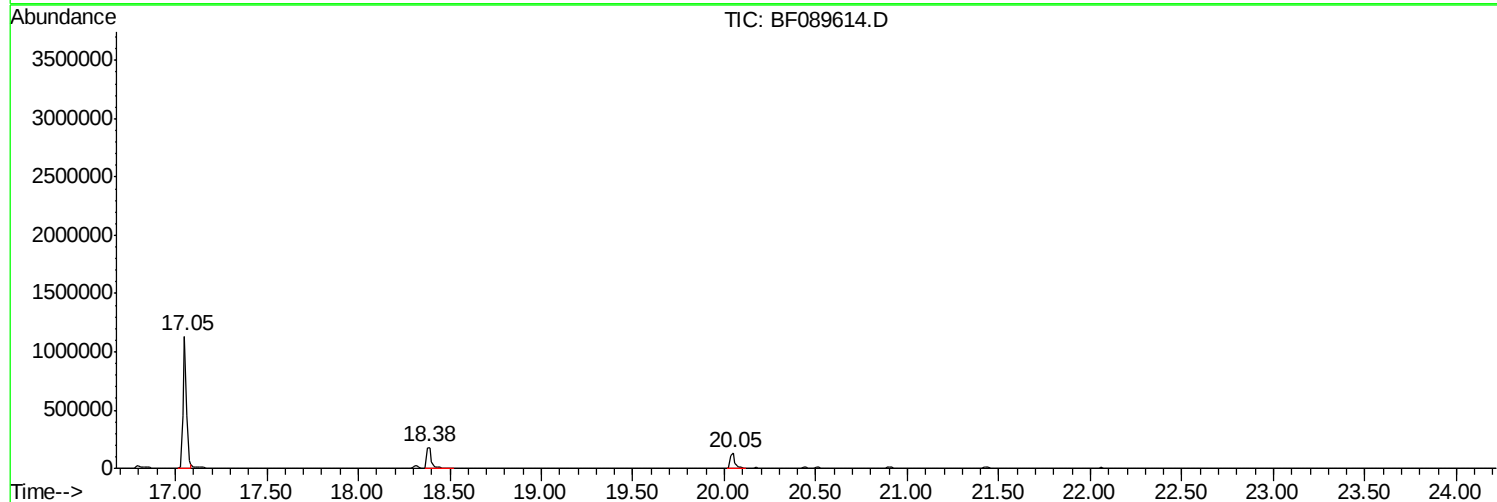
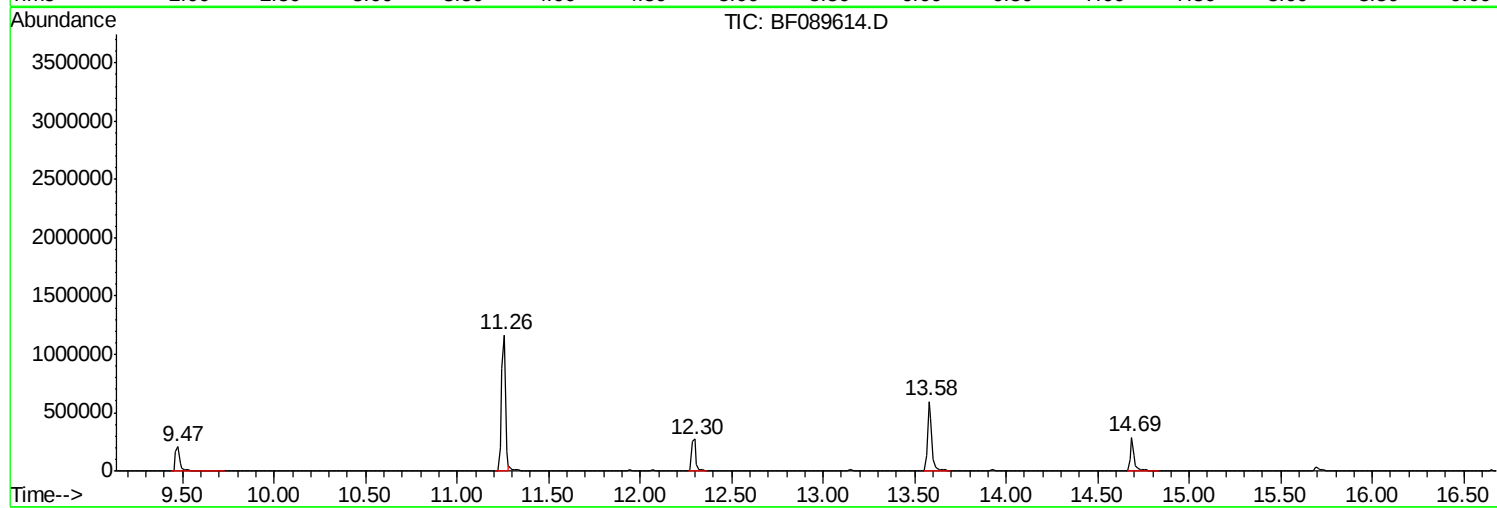
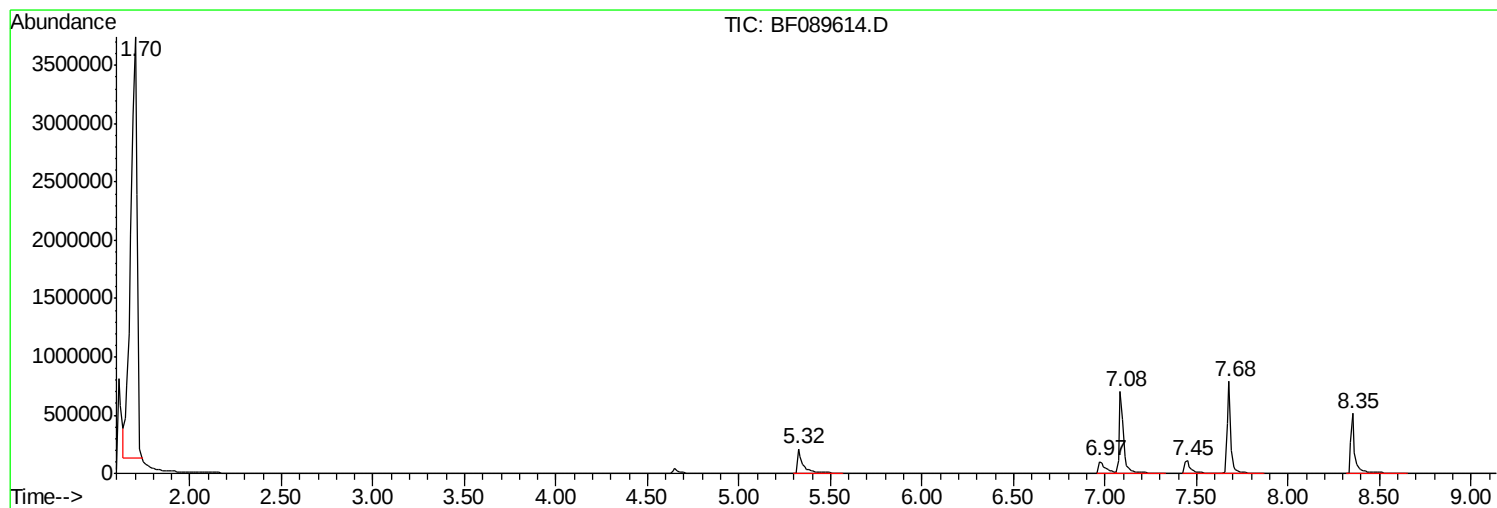
Sum of corrected areas: 18703357

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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF080416.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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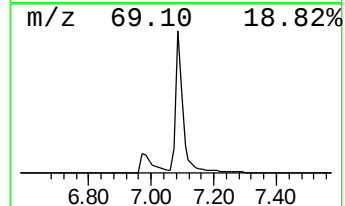
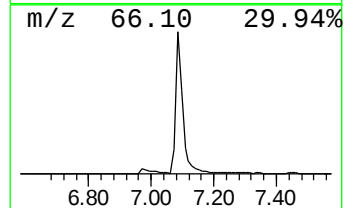
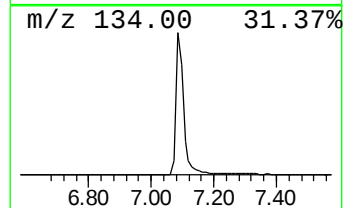
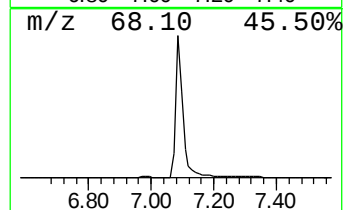
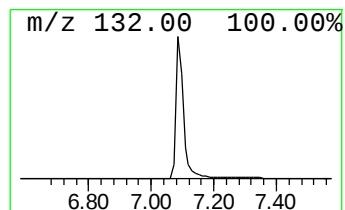
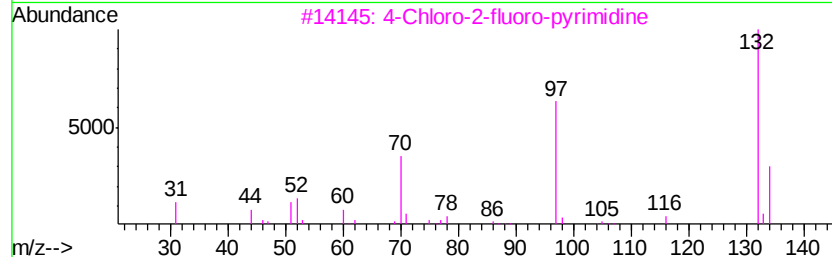
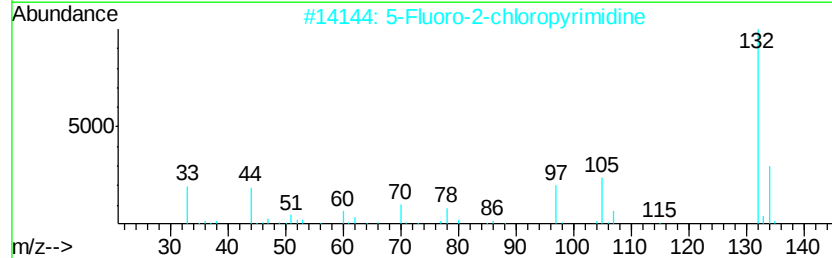
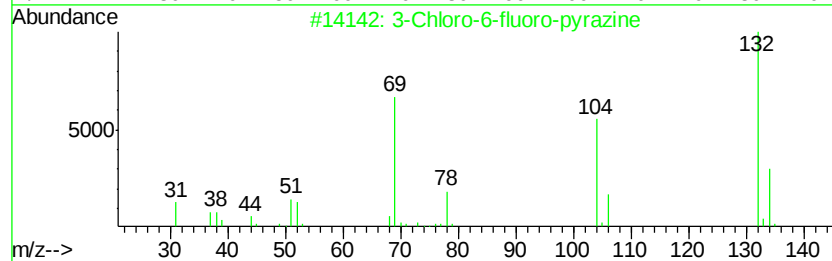
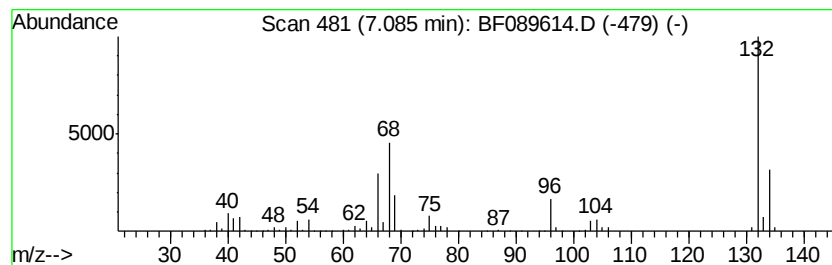
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Peak Number 2 unknown7.08 Concentration Rank 2

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 7.08 | 93.16 ng | 1113700 | 1,4-Dichlorobenzene-d4 | 7.45 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 16   |
| 2    |    | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0  | 12   |
| 3    |    | 4-Chloro-2-fluoro-pyrimidine        | 132 | C4H2ClFN2 | 051422-00-5  | 9    |
| 4    |    | 4-Methylpyrrolo[1,2-a]pyrazine      | 132 | C8H8N2    | 064608-60-2  | 9    |
| 5    |    | 1,3,4-Thiadiazole-2(3H)-thione, ... | 132 | C3H4N2S2  | 029490-19-5  | 9    |



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| TIC Top Hit name | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                  |      |         |       |          | #                     | RT   | Resp   | Conc |
| unknown7.08      | 7.08 | 93.2    | ng    | 1113700  | 1                     | 7.45 | 239105 | 20.0 |