

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF120816\  
 Data File : BF091517.D  
 Acq On : 8 Dec 2016 22:02  
 Operator : UM/SJ  
 Sample : H5886-05  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 URSMW-14

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0  
 Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF112916.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         | 4.996       | 234           | 237         | 243          | rBV      | 302748         | 430574        | 8.41%           | 1.384%        |
| 2         | 5.430       | 272           | 275         | 277          | rBV      | 1619367        | 2247692       | 43.91%          | 7.226%        |
| 3         | 6.459       | 362           | 365         | 367          | rBV      | 1660456        | 1629320       | 31.83%          | 5.238%        |
| 4         | 6.584       | 374           | 376         | 379          | rBV      | 2216807        | 3048649       | 59.55%          | 9.801%        |
| 5         | 6.813       | 394           | 396         | 399          | rBV      | 755623         | 925940        | 18.09%          | 2.977%        |
| 6         | 6.973       | 408           | 410         | 412          | rVB      | 2232824        | 2209637       | 43.16%          | 7.104%        |
| 7         | 7.384       | 443           | 446         | 448          | rBV      | 1993675        | 2010325       | 39.27%          | 6.463%        |
| 8         | 8.105       | 507           | 509         | 511          | rVB      | 1516514        | 1327138       | 25.92%          | 4.267%        |
| 9         | 9.179       | 600           | 603         | 606          | rBV      | 3444940        | 3480462       | 67.99%          | 11.189%       |
| 10        | 9.853       | 659           | 662         | 664          | rVB      | 1738053        | 1492045       | 29.15%          | 4.797%        |
| 11        | 10.642      | 728           | 731         | 734          | rBV      | 2714618        | 2691026       | 52.57%          | 8.651%        |
| 12        | 11.339      | 789           | 792         | 794          | rBV      | 1565741        | 1645402       | 32.14%          | 5.290%        |
| 13        | 11.991      | 845           | 849         | 855          | rBV      | 91758          | 106123        | 2.07%           | 0.341%        |
| 14        | 12.516      | 892           | 895         | 899          | rBV      | 83598          | 99535         | 1.94%           | 0.320%        |
| 15        | 12.654      | 905           | 907         | 914          | rBV      | 48668          | 60857         | 1.19%           | 0.196%        |
| 16        | 12.928      | 928           | 931         | 933          | rBV      | 4801983        | 5119308       | 100.00%         | 16.458%       |
| 17        | 13.968      | 1019          | 1022        | 1024         | rBV      | 1553901        | 1518666       | 29.67%          | 4.882%        |
| 18        | 15.385      | 1143          | 1146        | 1148         | rBV      | 869688         | 1062184       | 20.75%          | 3.415%        |

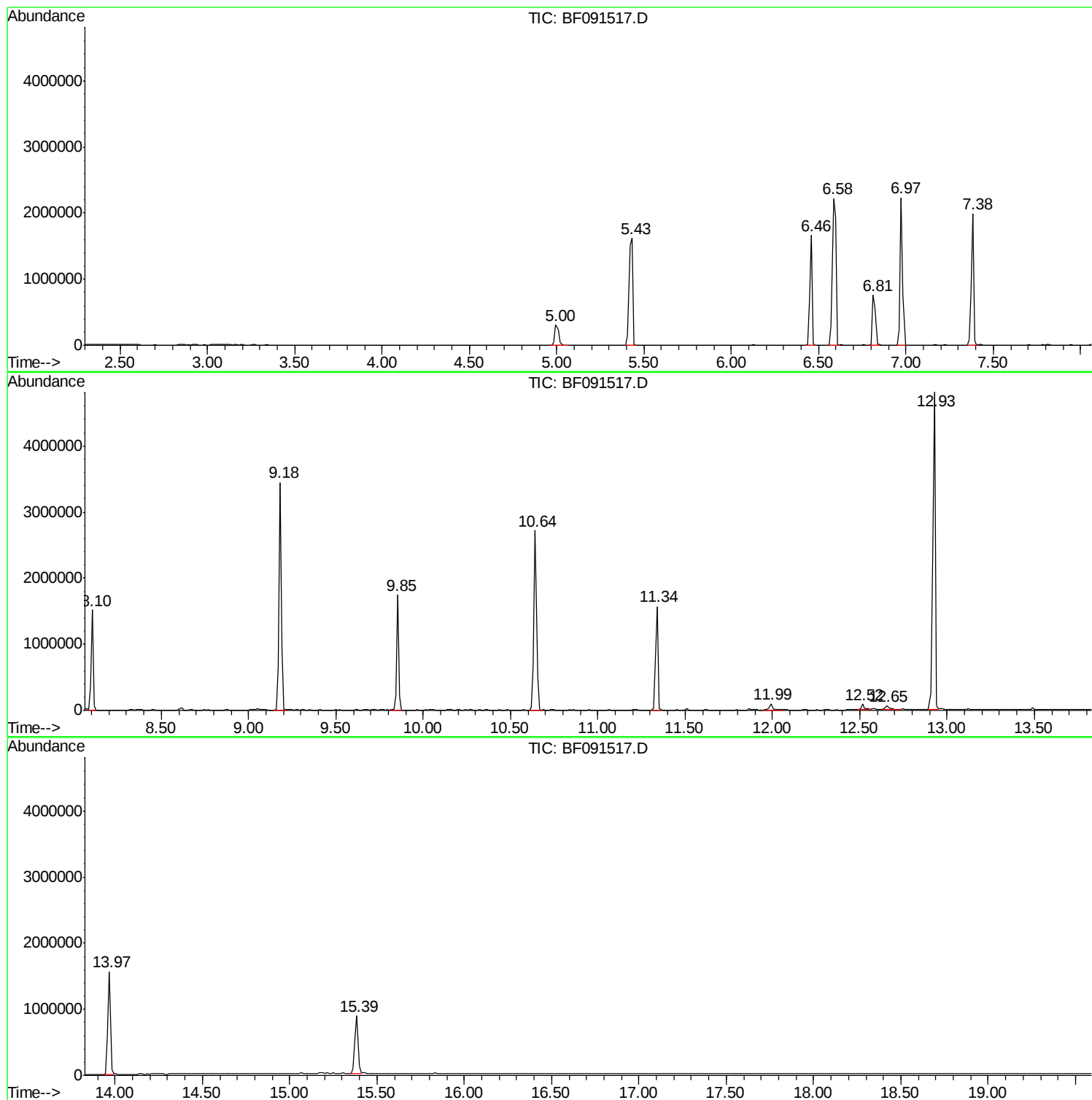
Sum of corrected areas: 31104883

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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF112916.M  
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TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



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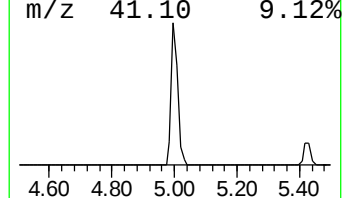
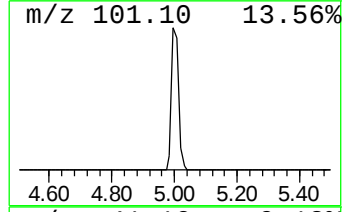
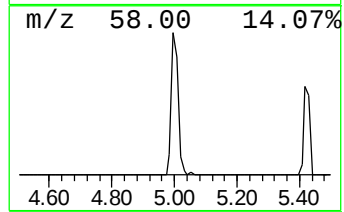
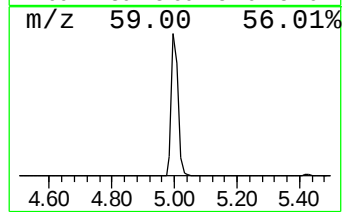
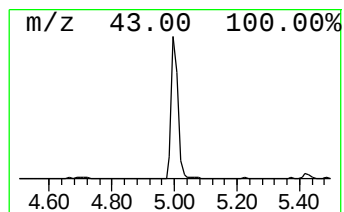
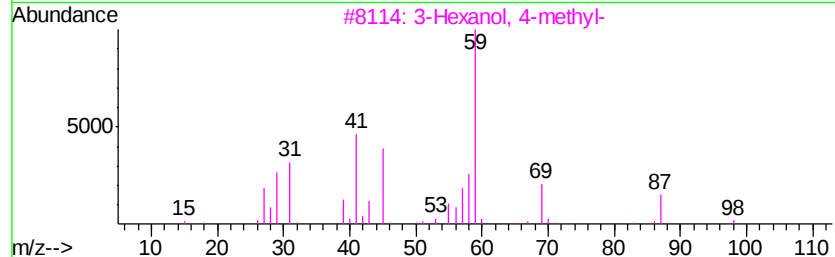
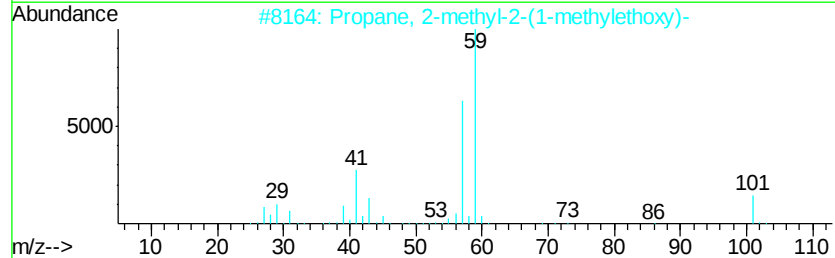
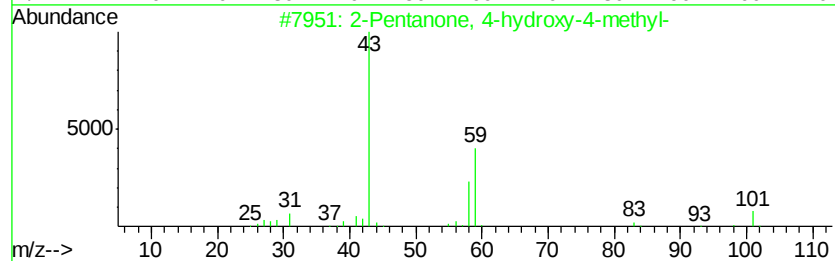
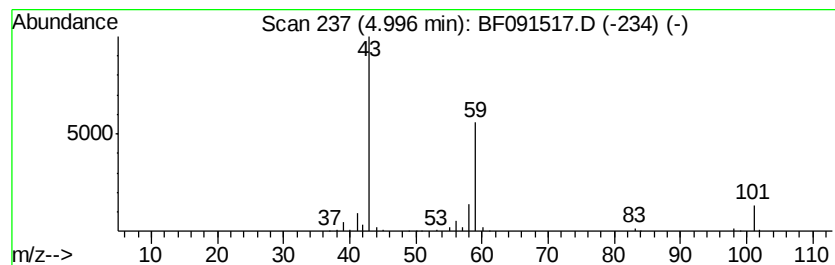
TIC Library : C:\DATABASE\NIST02.L  
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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 5.00 | 9.30 ng | 430574 | 1,4-Dichlorobenzene-d4 | 6.82 |

| Hit# of | 5                                   | Tentative ID | MW       | MolForm     | CAS# | Qual |
|---------|-------------------------------------|--------------|----------|-------------|------|------|
| 1       | 2-Pentanone, 4-hydroxy-4-methyl-    | 116          | C6H12O2  | 000123-42-2 | 50   |      |
| 2       | Propane, 2-methyl-2-(1-methyleth... | 116          | C7H16O   | 017348-59-3 | 42   |      |
| 3       | 3-Hexanol, 4-methyl-                | 116          | C7H16O   | 000615-29-2 | 33   |      |
| 4       | 2-Hexanol, 2-methyl-                | 116          | C7H16O   | 000625-23-0 | 28   |      |
| 5       | Acetic acid, cyano-, 1,1-dimethy... | 141          | C7H11NO2 | 001116-98-9 | 25   |      |



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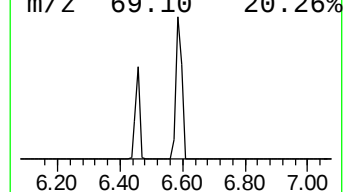
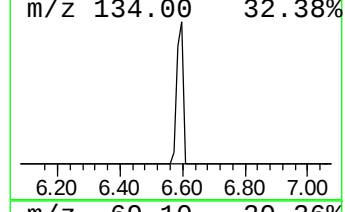
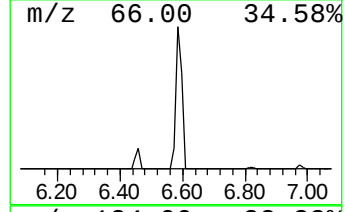
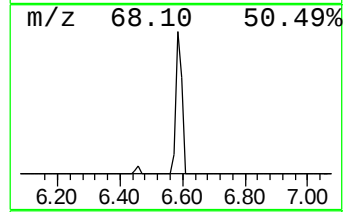
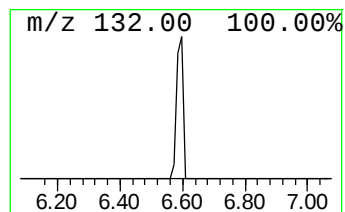
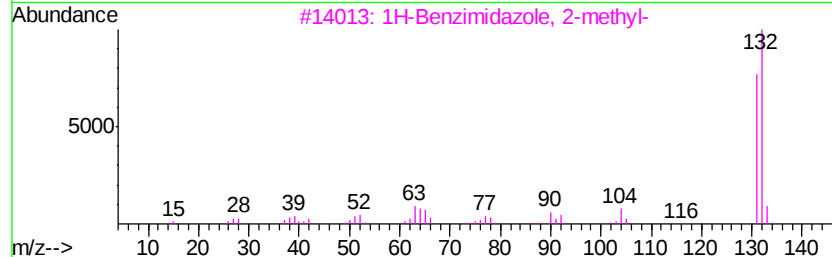
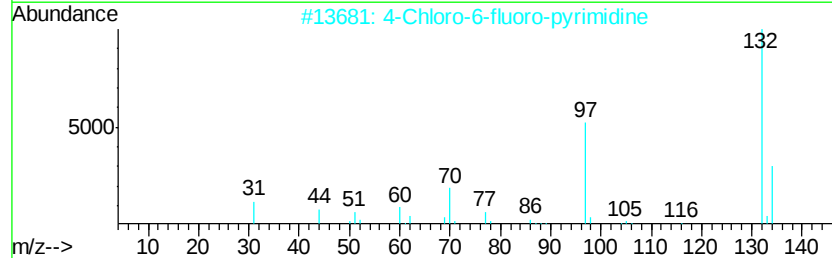
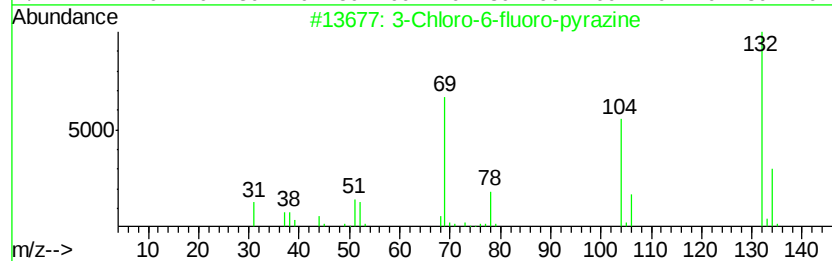
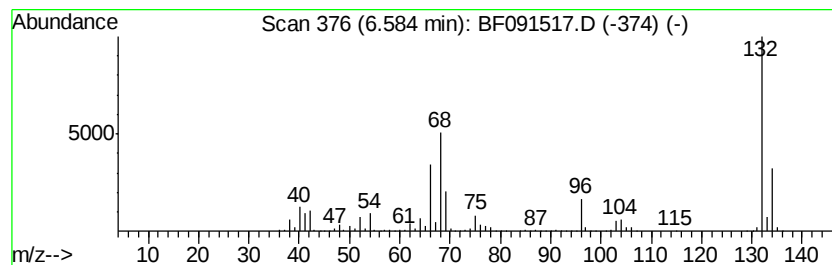
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Peak Number 2 unknown6.58 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.58 | 65.85 ng | 3048650 | 1,4-Dichlorobenzene-d4 | 6.82 |

| 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    |    | 1H-Benzimidazole, 2-methyl-  | 132 | C8H8N2    | 000615-15-6  | 22   |
| 4    |    | 5-Fluoro-2-chloropyrimidine  | 132 | C4H2ClFN2 | 062802-42-0  | 12   |
| 5    |    | 2-Cyclohexen-1-one           | 96  | C6H8O     | 000930-68-7  | 10   |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | ---Internal Standard--- |      |        |      |
|----------------------|------|---------|-------|----------|-------------------------|------|--------|------|
|                      |      |         |       |          | #                       | RT   | Resp   | Conc |
| 2-Pentanone, 4-hy... | 5.00 | 9.3     | ng    | 430574   | 1                       | 6.82 | 925940 | 20.0 |
| unknown6.58          | 6.58 | 65.8    | ng    | 3048650  | 1                       | 6.82 | 925940 | 20.0 |