

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011617\  
 Data File : BF092299.D  
 Acq On : 16 Jan 2017 21:53  
 Operator : UM/SJ  
 Sample : I1197-06  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 W-22

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-BF122116.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         | 4.667       | 250           | 252         | 267          | rVB      | 559008         | 818396        | 12.63%          | 1.936%        |
| 2         | 5.147       | 292           | 294         | 317          | rVB      | 2026333        | 2477785       | 38.25%          | 5.861%        |
| 3         | 6.222       | 386           | 388         | 396          | rBV2     | 1189689        | 1571945       | 24.27%          | 3.718%        |
| 4         | 6.336       | 396           | 398         | 400          | rBV      | 4228598        | 4409979       | 68.08%          | 10.431%       |
| 5         | 6.564       | 416           | 418         | 420          | rBV      | 854929         | 1021996       | 15.78%          | 2.417%        |
| 6         | 6.713       | 429           | 431         | 434          | rBV      | 3616550        | 4036473       | 62.31%          | 9.547%        |
| 7         | 7.136       | 465           | 468         | 470          | rBV      | 3598570        | 3522478       | 54.38%          | 8.332%        |
| 8         | 7.845       | 528           | 530         | 533          | rBV      | 1185169        | 1299553       | 20.06%          | 3.074%        |
| 9         | 8.930       | 622           | 625         | 627          | rBV      | 6198623        | 5999913       | 92.62%          | 14.191%       |
| 10        | 9.330       | 657           | 660         | 662          | rBV      | 143844         | 125166        | 1.93%           | 0.296%        |
| 11        | 9.593       | 681           | 683         | 685          | rBV      | 1759758        | 1491936       | 23.03%          | 3.529%        |
| 12        | 10.028      | 717           | 721         | 724          | rBV3     | 43980          | 97293         | 1.50%           | 0.230%        |
| 13        | 10.382      | 750           | 752         | 755          | rBV      | 3169009        | 3517544       | 54.30%          | 8.320%        |
| 14        | 10.519      | 762           | 764         | 767          | rVB      | 42391          | 69764         | 1.08%           | 0.165%        |
| 15        | 11.068      | 810           | 812         | 815          | rBV      | 1940808        | 1769974       | 27.32%          | 4.186%        |
| 16        | 11.296      | 830           | 832         | 834          | rBV      | 72972          | 94934         | 1.47%           | 0.225%        |
| 17        | 11.628      | 859           | 861         | 862          | rBV      | 58232          | 93610         | 1.45%           | 0.221%        |
| 18        | 12.405      | 927           | 929         | 931          | rBV      | 61626          | 67407         | 1.04%           | 0.159%        |
| 19        | 12.451      | 931           | 933         | 935          | rVV      | 78554          | 104067        | 1.61%           | 0.246%        |
| 20        | 12.496      | 935           | 937         | 939          | rVB      | 93893          | 84212         | 1.30%           | 0.199%        |
| 21        | 12.656      | 948           | 951         | 954          | rBV      | 5665836        | 6477969       | 100.00%         | 15.322%       |
| 22        | 13.445      | 1018          | 1020        | 1026         | rVB      | 55368          | 90363         | 1.39%           | 0.214%        |
| 23        | 13.571      | 1029          | 1031        | 1036         | rBV      | 46076          | 88679         | 1.37%           | 0.210%        |
| 24        | 13.697      | 1039          | 1042        | 1045         | rBV      | 1771291        | 1716296       | 26.49%          | 4.059%        |
| 25        | 15.045      | 1157          | 1160        | 1163         | rBV      | 1036223        | 1231192       | 19.01%          | 2.912%        |

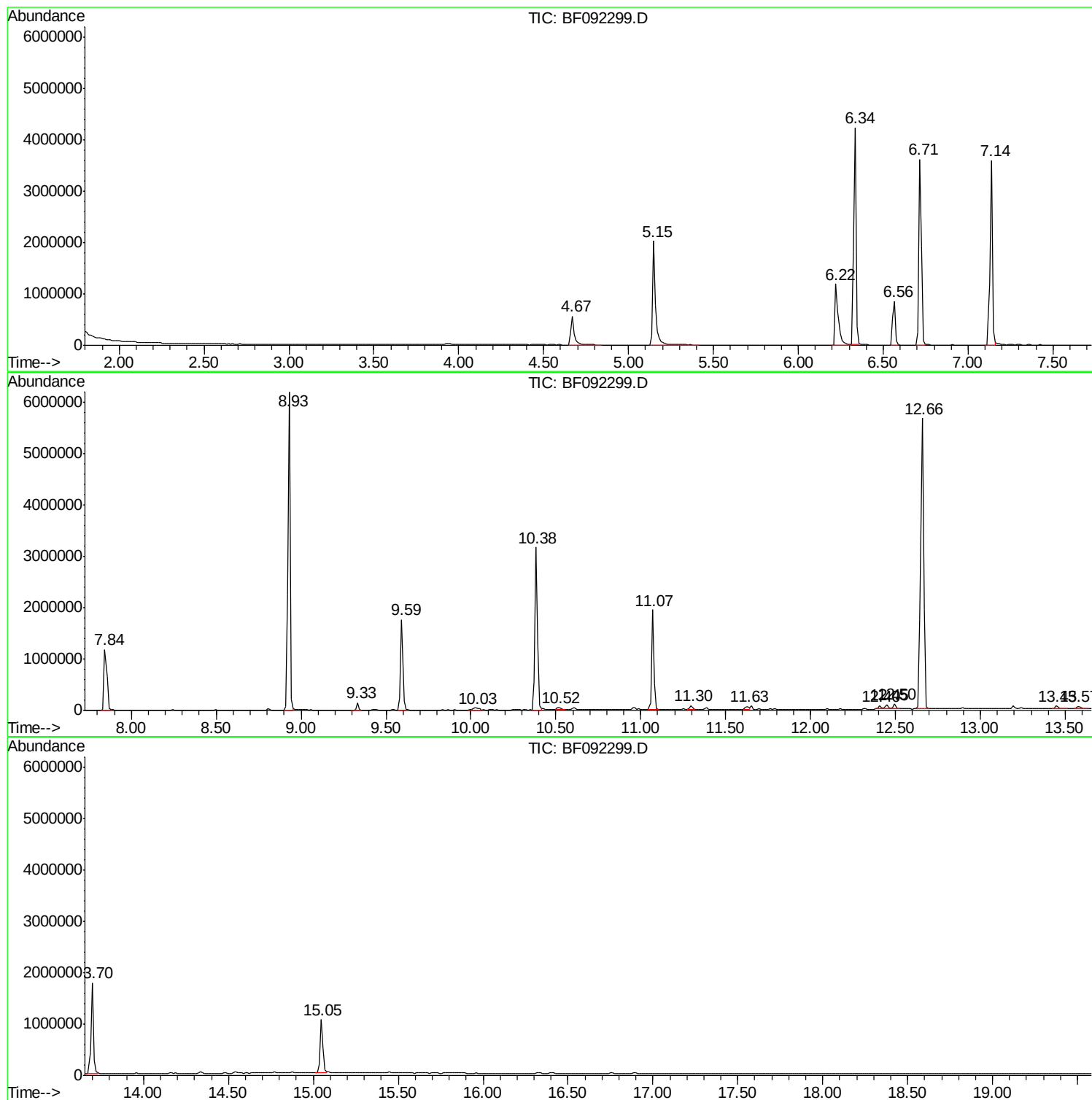
Sum of corrected areas: 42278924

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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF122116.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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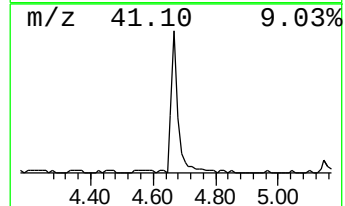
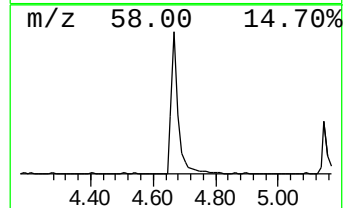
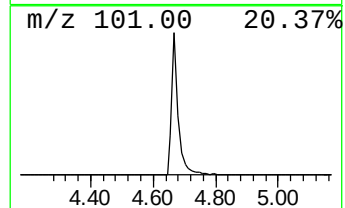
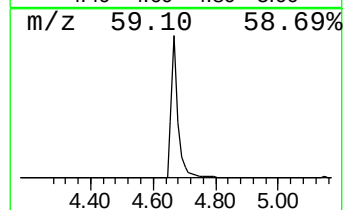
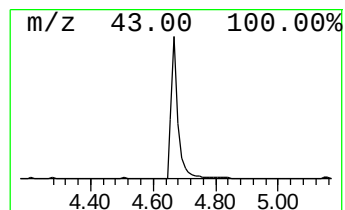
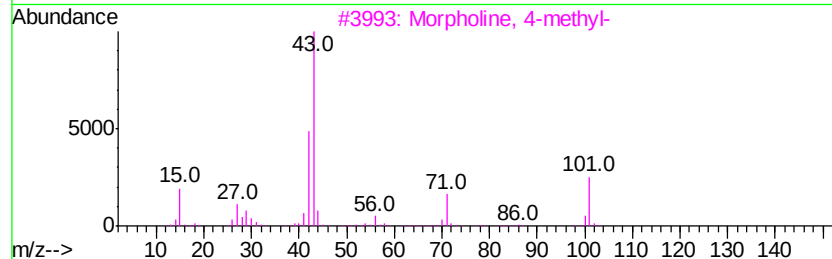
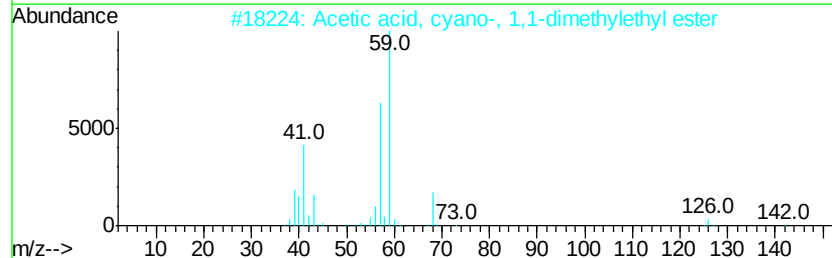
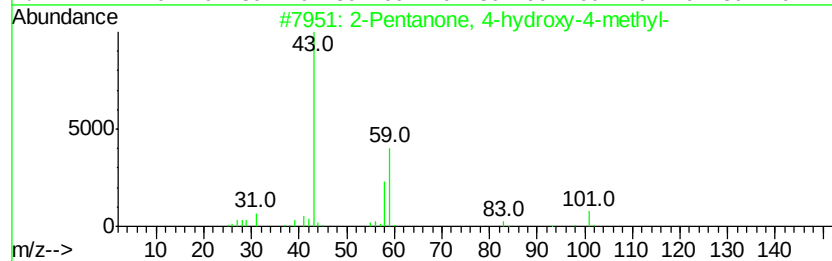
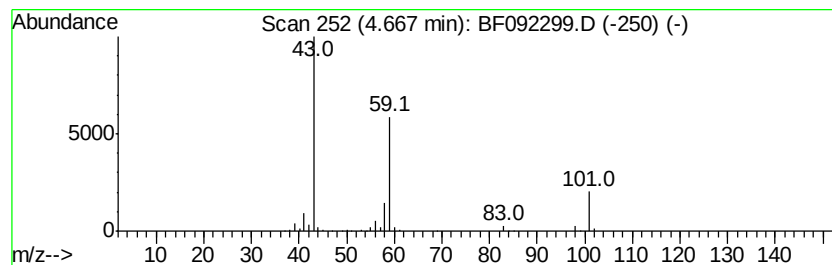
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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 4.67 | 16.02 ng | 818396 | 1,4-Dichlorobenzene-d4 | 6.56 |

| 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, cyano-, 1,1-dimethyl... | 141 | C7H11NO2 | 001116-98-9 | 17   |
| 3    |    | Morpholine, 4-methyl-                | 101 | C5H11NO  | 000109-02-4 | 9    |
| 4    |    | Butane, 1-ethoxy-                    | 102 | C6H14O   | 000628-81-9 | 9    |
| 5    |    | (+)-4-Amino-4,5-dihydro-2(3H)-f...   | 101 | C4H7NO2  | 016504-58-8 | 9    |



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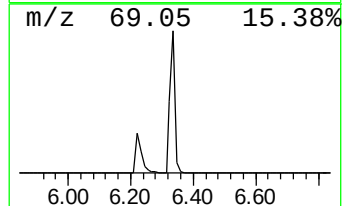
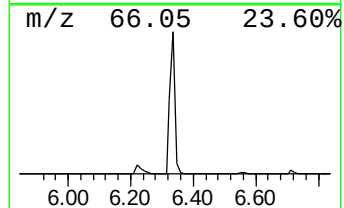
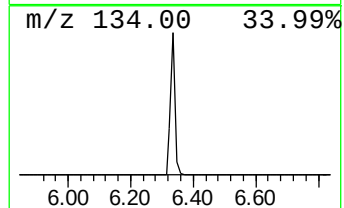
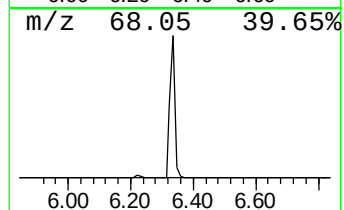
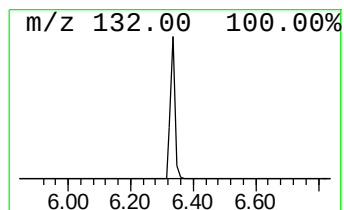
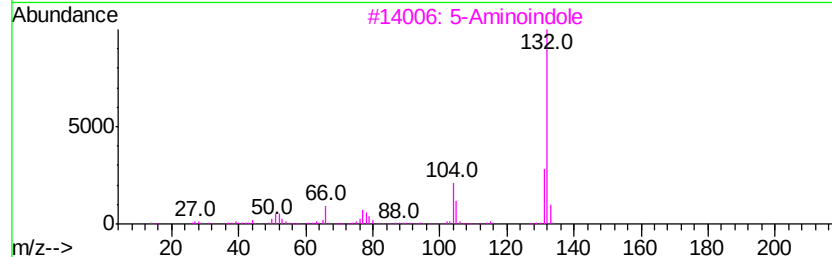
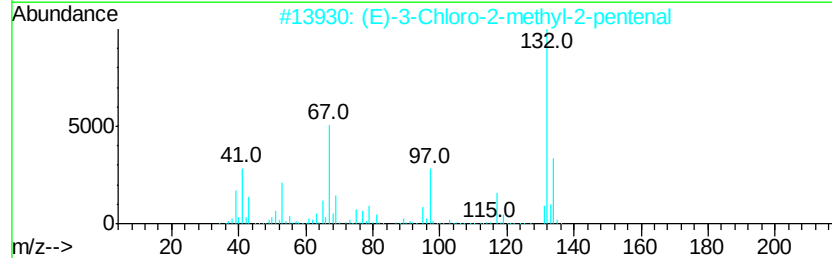
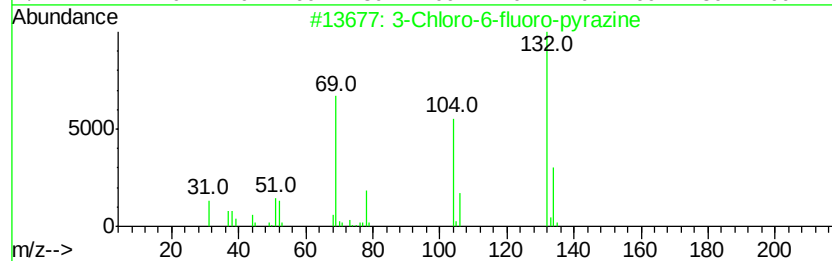
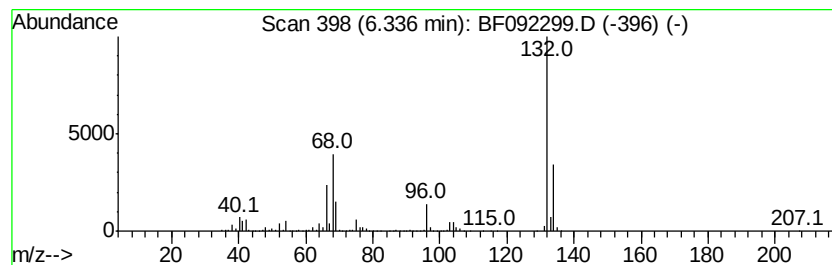
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Peak Number 2 unknown6.34 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.34 | 86.30 ng | 4409980 | 1,4-Dichlorobenzene-d4 | 6.56 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 27   |
| 3    |    | 5-Aminoindole                    | 132 | C8H8N2    | 005192-03-0  | 12   |
| 4    |    | Benzene, 1,3,5-trifluoro-        | 132 | C6H3F3    | 000372-38-3  | 9    |
| 5    |    | 4-Chloro-6-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-01-6  | 9    |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |         |      |
|----------------------|------|---------|-------|----------|-----------------------|------|---------|------|
|                      |      |         |       |          | #                     | RT   | Resp    | Conc |
| 2-Pentanone, 4-hy... | 4.67 | 16.0    | ng    | 818396   | 1                     | 6.56 | 1022000 | 20.0 |
| unknown6.34          | 6.34 | 86.3    | ng    | 4409980  | 1                     | 6.56 | 1022000 | 20.0 |