

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF121715\  
 Data File : BF083867.D  
 Acq On : 17 Dec 2015 4:57  
 Operator : UM/SJ  
 Sample : G4775-16  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMPOSITE-A-20150872

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-BF121315.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         | 5.093       | 260           | 263         | 270          | rVB      | 424011         | 546355        | 19.66%          | 2.386%        |
| 2         | 5.516       | 297           | 300         | 302          | rBV      | 1684651        | 1999754       | 71.97%          | 8.732%        |
| 3         | 6.533       | 386           | 389         | 391          | rBV      | 1403341        | 1849954       | 66.58%          | 8.078%        |
| 4         | 6.659       | 398           | 400         | 403          | rBV      | 1683288        | 2071850       | 74.56%          | 9.047%        |
| 5         | 6.887       | 418           | 420         | 423          | rBV      | 582613         | 640387        | 23.05%          | 2.796%        |
| 6         | 7.047       | 432           | 434         | 437          | rBV      | 1819605        | 1642463       | 59.11%          | 7.172%        |
| 7         | 7.459       | 467           | 470         | 472          | rBV      | 1134487        | 1480975       | 53.30%          | 6.467%        |
| 8         | 8.179       | 530           | 533         | 537          | rBV2     | 926579         | 1444278       | 51.98%          | 6.307%        |
| 9         | 8.888       | 593           | 595         | 597          | rBV      | 151626         | 122879        | 4.42%           | 0.537%        |
| 10        | 8.990       | 601           | 604         | 606          | rBB      | 77594          | 74649         | 2.69%           | 0.326%        |
| 11        | 9.253       | 624           | 627         | 629          | rBV      | 2911422        | 2681422       | 96.50%          | 11.709%       |
| 12        | 9.356       | 634           | 636         | 638          | rVB      | 27194          | 32876         | 1.18%           | 0.144%        |
| 13        | 9.928       | 684           | 686         | 688          | rBV      | 1149663        | 1068923       | 38.47%          | 4.668%        |
| 14        | 9.962       | 688           | 689         | 691          | rVB      | 228044         | 163293        | 5.88%           | 0.713%        |
| 15        | 10.133      | 702           | 704         | 706          | rBV      | 97333          | 81610         | 2.94%           | 0.356%        |
| 16        | 10.476      | 732           | 734         | 736          | rVB      | 105857         | 88528         | 3.19%           | 0.387%        |
| 17        | 10.716      | 752           | 755         | 758          | rBV      | 1618803        | 1588328       | 57.16%          | 6.936%        |
| 18        | 11.414      | 813           | 816         | 817          | rBV      | 1205848        | 1062061       | 38.22%          | 4.638%        |
| 19        | 11.436      | 817           | 818         | 820          | rVB      | 113008         | 80470         | 2.90%           | 0.351%        |
| 20        | 13.002      | 952           | 955         | 957          | rBV      | 2533614        | 2778700       | 100.00%         | 12.134%       |
| 21        | 14.042      | 1044          | 1046        | 1049         | rBV      | 684163         | 726855        | 26.16%          | 3.174%        |
| 22        | 15.494      | 1170          | 1173        | 1185         | rVB      | 486564         | 674090        | 24.26%          | 2.944%        |

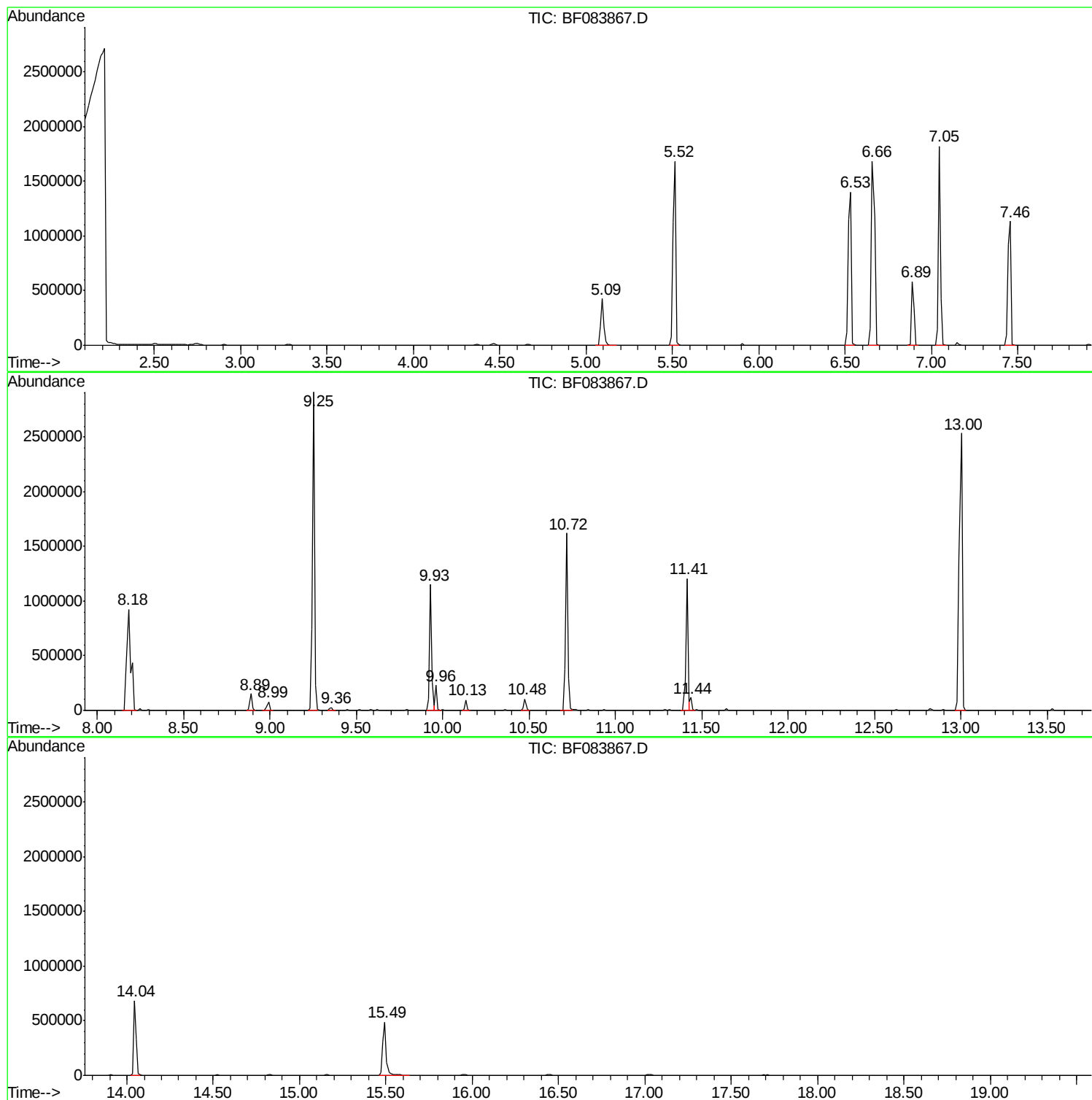
Sum of corrected areas: 22900700

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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF121315.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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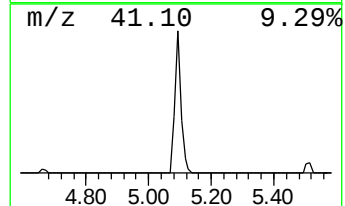
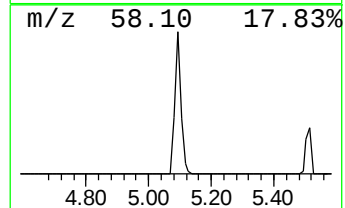
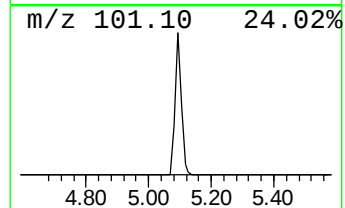
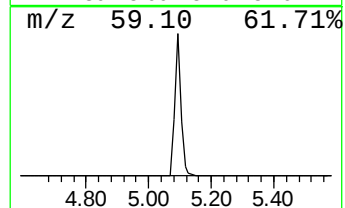
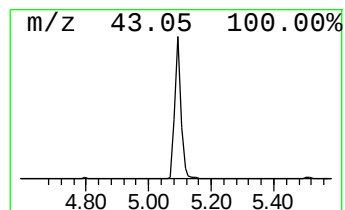
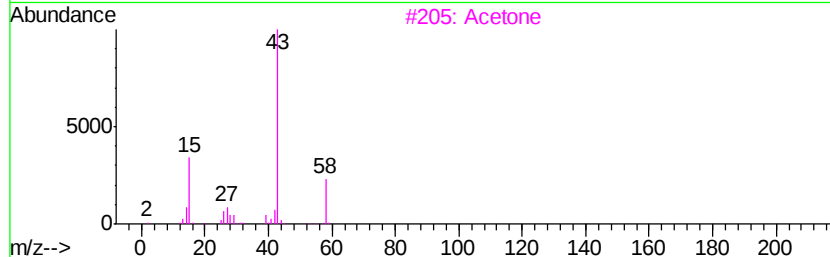
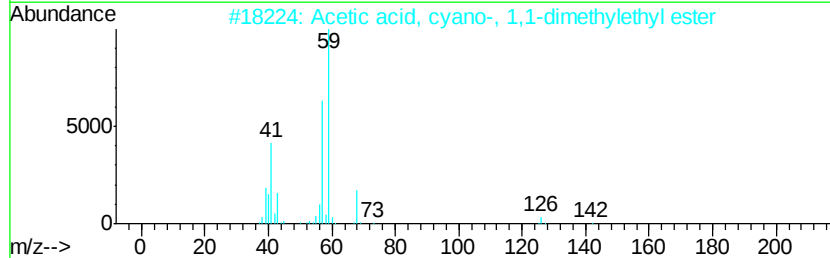
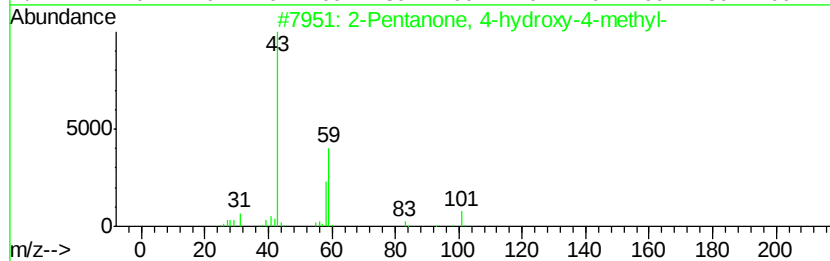
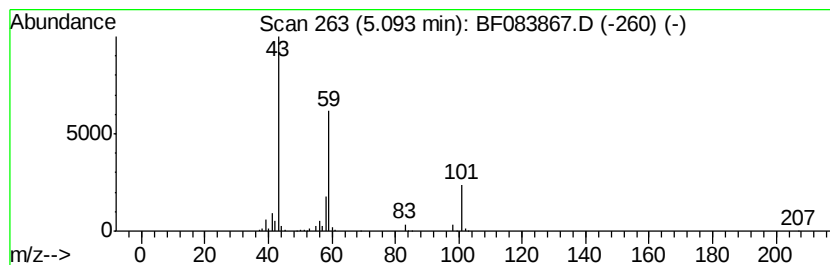
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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 5.09 | 17.06 ng | 546355 | 1,4-Dichlorobenzene-d4 | 6.89 |

| 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 | 25   |
| 3    |    | Acetone                              | 58  | C3H6O    | 000067-64-1 | 10   |
| 4    |    | 5-Hexen-2-one                        | 98  | C6H10O   | 000109-49-9 | 9    |
| 5    |    | Morpholine, 4-methyl-                | 101 | C5H11NO  | 000109-02-4 | 9    |



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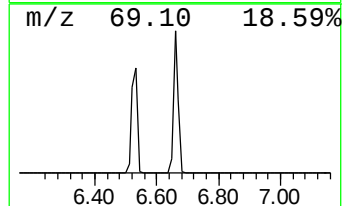
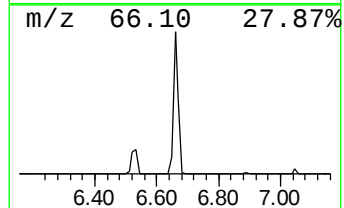
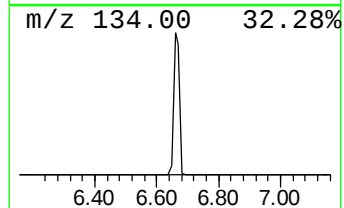
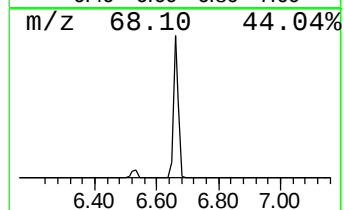
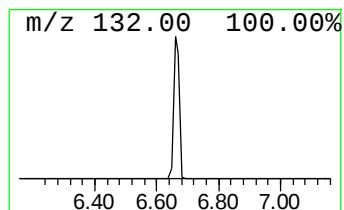
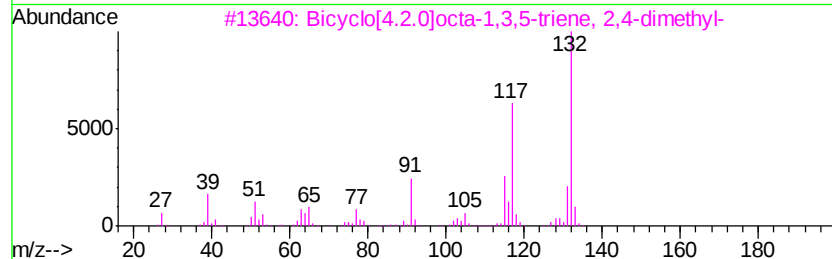
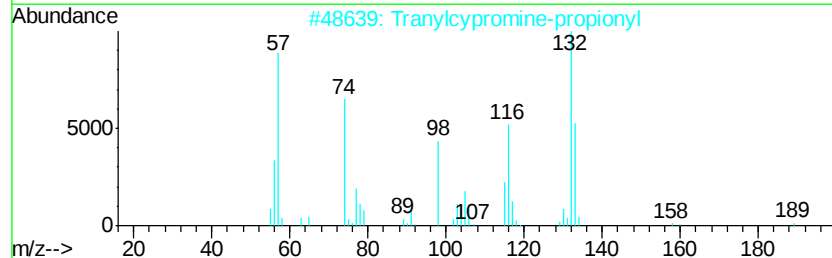
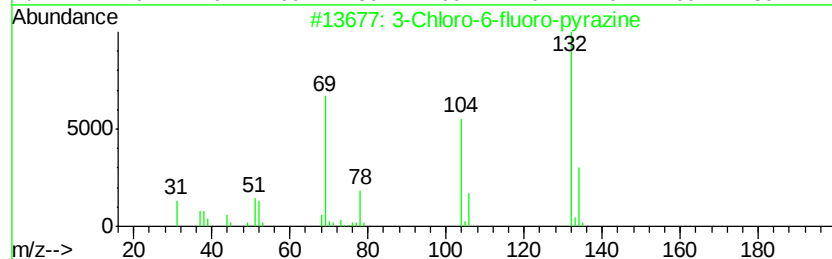
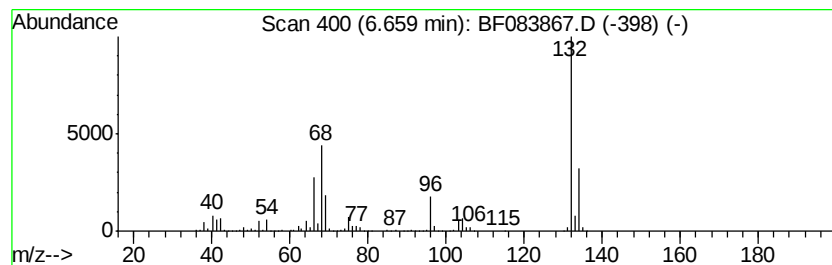
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Peak Number 2 unknown6.66 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.66 | 64.71 ng | 2071850 | 1,4-Dichlorobenzene-d4 | 6.89 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | Tranylcypromine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 3    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |
| 4    |    | 4-Chloro-2-fluoro-pyrimidine        | 132 | C4H2ClFN2 | 051422-00-5  | 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 |
| 2-Pentanone, 4-hy... | 5.09 | 17.1    | ng    | 546355   | 1                       | 6.89 | 640387 | 20.0 |
| unknown6.66          | 6.66 | 64.7    | ng    | 2071850  | 1                       | 6.89 | 640387 | 20.0 |