

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080417\  
 Data File : BM011121.D  
 Acq On : 04 Aug 2017 17:21  
 Operator : SJ/JU  
 Sample : PB101225BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB101225BL

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\_M\METHODS\8270-BM072617.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         | 4.510       | 288           | 293         | 301          | rBV      | 712117         | 956067        | 7.68%           | 1.456%        |
| 2         | 4.957       | 363           | 369         | 382          | rBV      | 4115224        | 5771120       | 46.37%          | 8.788%        |
| 3         | 6.522       | 628           | 635         | 646          | rBV      | 3839475        | 5903735       | 47.44%          | 8.990%        |
| 4         | 6.863       | 686           | 693         | 705          | rBV      | 4086375        | 6385565       | 51.31%          | 9.724%        |
| 5         | 7.322       | 762           | 771         | 780          | rBV      | 710968         | 1136414       | 9.13%           | 1.731%        |
| 6         | 7.634       | 817           | 824         | 836          | rBV      | 3479838        | 5430910       | 43.64%          | 8.270%        |
| 7         | 8.469       | 957           | 966         | 973          | rBV      | 1651943        | 2885558       | 23.19%          | 4.394%        |
| 8         | 10.081      | 1232          | 1240        | 1258         | rBV      | 559961         | 1288806       | 10.36%          | 1.963%        |
| 9         | 12.592      | 1659          | 1667        | 1686         | rBV      | 5103229        | 8329854       | 66.93%          | 12.685%       |
| 10        | 13.986      | 1898          | 1904        | 1916         | rBV2     | 1264358        | 2271419       | 18.25%          | 3.459%        |
| 11        | 15.492      | 2153          | 2160        | 2174         | rBV      | 5381245        | 8565591       | 68.83%          | 13.044%       |
| 12        | 16.745      | 2368          | 2373        | 2379         | rBV      | 944212         | 1545392       | 12.42%          | 2.353%        |
| 13        | 16.798      | 2380          | 2382        | 2392         | rVB      | 148498         | 302761        | 2.43%           | 0.461%        |
| 14        | 19.409      | 2820          | 2826        | 2841         | rBV      | 8020598        | 12445323      | 100.00%         | 18.952%       |
| 15        | 20.992      | 3089          | 3095        | 3101         | rBV      | 424084         | 1006366       | 8.09%           | 1.532%        |
| 16        | 23.062      | 3442          | 3447        | 3461         | rBV3     | 577405         | 1443881       | 11.60%          | 2.199%        |

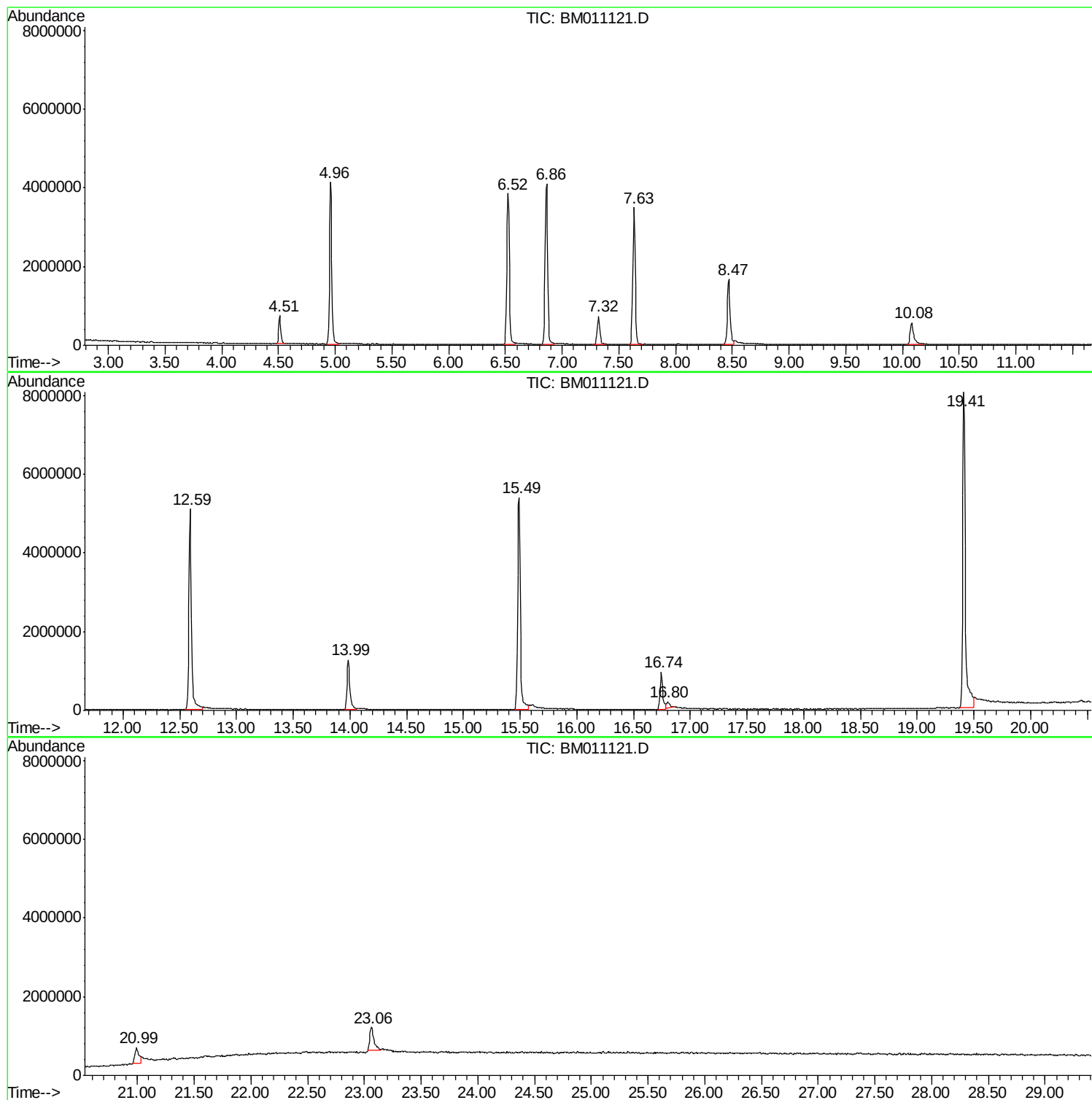
Sum of corrected areas: 65668762

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Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM072617.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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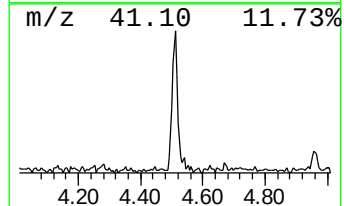
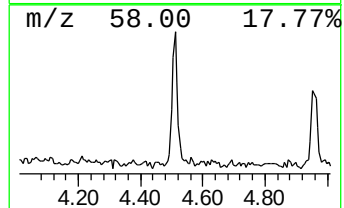
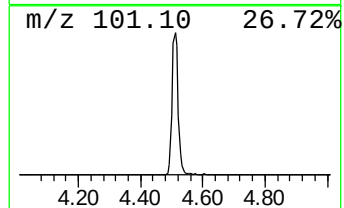
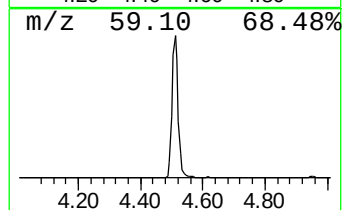
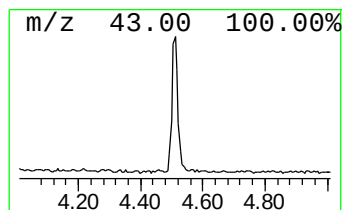
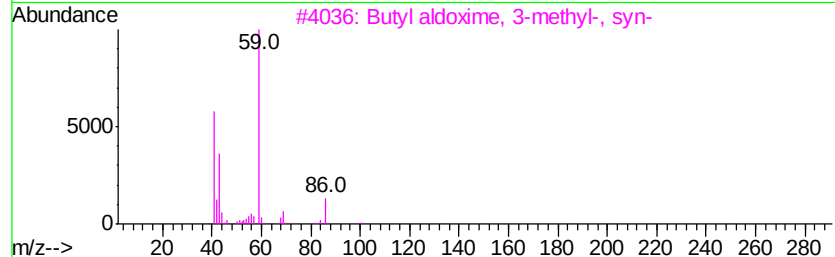
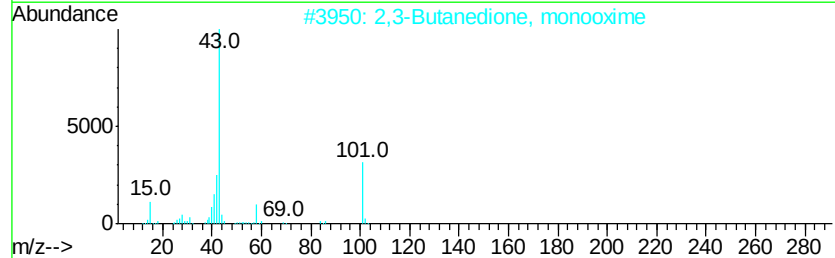
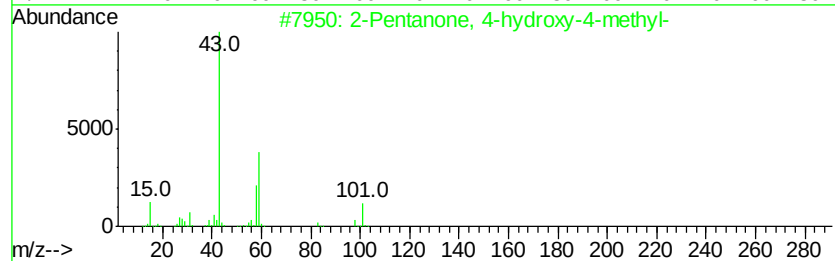
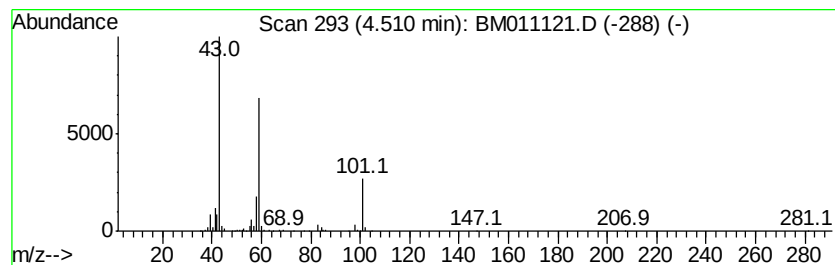
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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 4.51 | 16.83 ng | 956067 | 1,4-Dichlorobenzene-d4 | 7.32 |

| Hit# | of 5 | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|------|--------------------------------------|-----|----------|-------------|------|
| 1    |      | 2-Pentanone, 4-hydroxy-4-methyl-     | 116 | C6H12O2  | 000123-42-2 | 50   |
| 2    |      | 2,3-Butanedione, monooxime           | 101 | C4H7NO2  | 000057-71-6 | 32   |
| 3    |      | Butyl aldoxime, 3-methyl-, syn-      | 101 | C5H11NO  | 005780-40-5 | 27   |
| 4    |      | Acetic acid, cyano-, 1,1-dimethyl... | 141 | C7H11NO2 | 001116-98-9 | 16   |
| 5    |      | Propane, 1-ethoxy-2-methyl-          | 102 | C6H14O   | 000627-02-1 | 12   |



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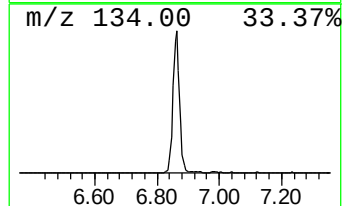
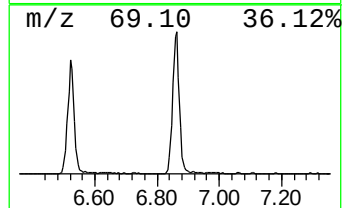
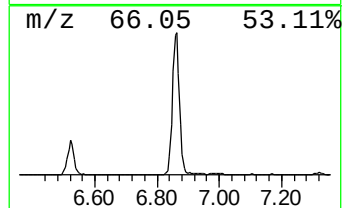
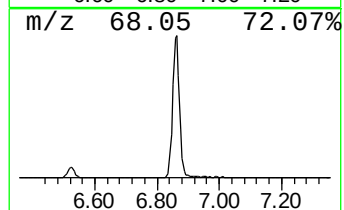
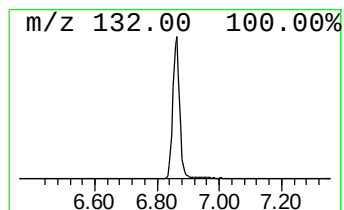
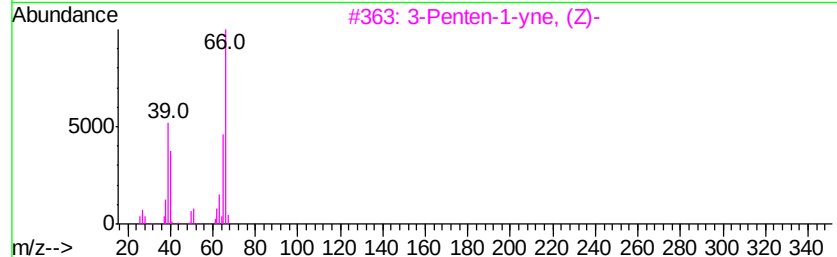
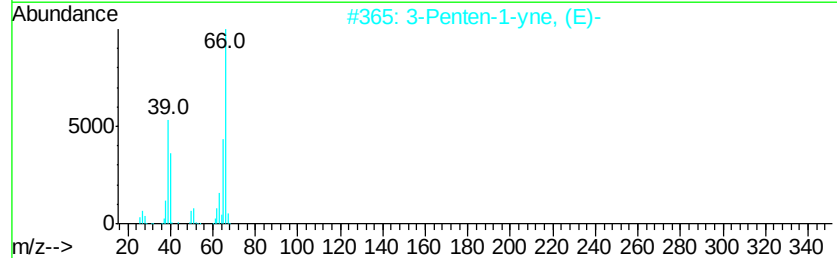
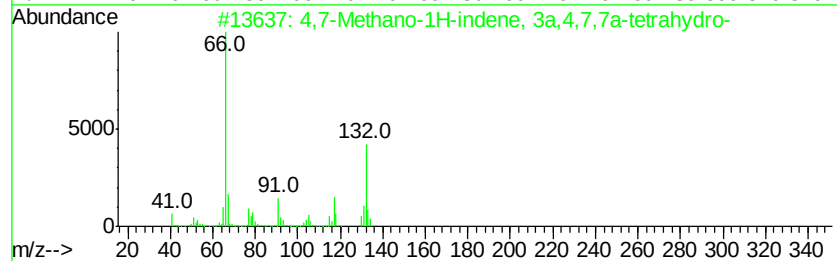
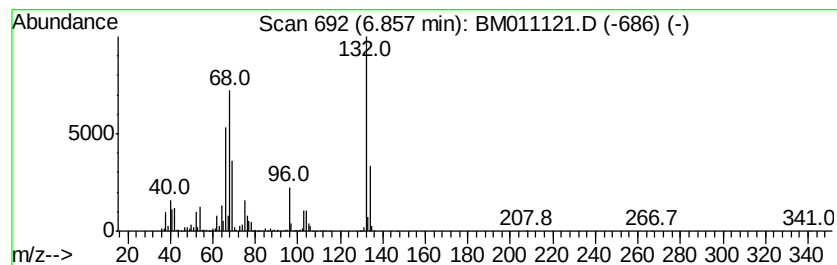
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Peak Number 2 unknown6.86 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 6.86 | 112.38 ng | 6385570 | 1,4-Dichlorobenzene-d4 | 7.32 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 4,7-Methano-1H-indene, 3a,4,7,7a... | 132 | C10H12  | 000077-73-6 | 40   |
| 2    |    | 3-Penten-1-yne, (E)-                | 66  | C5H6    | 002004-69-5 | 25   |
| 3    |    | 3-Penten-1-yne, (Z)-                | 66  | C5H6    | 001574-40-9 | 25   |
| 4    |    | 1-Penten-3-yne                      | 66  | C5H6    | 000646-05-9 | 25   |
| 5    |    | 3-Oxabicyclo[3.2.0]hept-6-ene-2,... | 138 | C7H6O3  | 064197-88-2 | 17   |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |         |      |
|----------------------|------|---------|-------|----------|-----------------------|------|---------|------|
|                      |      |         |       |          | #                     | RT   | Resp    | Conc |
| 2-Pentanone, 4-hy... | 4.51 | 16.8    | ng    | 956067   | 1                     | 7.32 | 1136410 | 20.0 |
| unknown6.86          | 6.86 | 112.4   | ng    | 6385570  | 1                     | 7.32 | 1136410 | 20.0 |