

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052916\  
 Data File : BF087573.D  
 Acq On : 31 May 2016 4:28  
 Operator : UM/SJ  
 Sample : H3316-02  
 Misc :  
 ALS Vial : 91 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-01-COMP

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-BF052316.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         | 4.742       | 273           | 276         | 298          | rBV      | 52970          | 262980        | 8.83%           | 1.228%        |
| 2         | 5.393       | 331           | 333         | 357          | rBV      | 669278         | 2299931       | 77.19%          | 10.744%       |
| 3         | 7.039       | 476           | 477         | 484          | rBV      | 1319090        | 2236884       | 75.08%          | 10.449%       |
| 4         | 7.130       | 484           | 485         | 505          | rVB      | 1200665        | 2979492       | 100.00%         | 13.919%       |
| 5         | 7.485       | 513           | 516         | 531          | rVB      | 342504         | 726974        | 24.40%          | 3.396%        |
| 6         | 7.702       | 534           | 535         | 552          | rBV      | 894715         | 1908526       | 64.06%          | 8.916%        |
| 7         | 8.399       | 594           | 596         | 610          | rBV      | 625126         | 1429895       | 47.99%          | 6.680%        |
| 8         | 9.519       | 692           | 694         | 714          | rBV      | 354534         | 849051        | 28.50%          | 3.966%        |
| 9         | 11.279      | 846           | 848         | 873          | rBV      | 1638856        | 2398529       | 80.50%          | 11.205%       |
| 10        | 12.034      | 913           | 914         | 926          | rBV      | 16214          | 51656         | 1.73%           | 0.241%        |
| 11        | 12.342      | 938           | 941         | 955          | rBV      | 438389         | 885209        | 29.71%          | 4.135%        |
| 12        | 13.645      | 1052          | 1055        | 1078         | rBV      | 432833         | 1299096       | 43.60%          | 6.069%        |
| 13        | 14.765      | 1151          | 1153        | 1176         | rBV      | 265450         | 770882        | 25.87%          | 3.601%        |
| 14        | 16.926      | 1340          | 1342        | 1345         | rBV      | 43488          | 48009         | 1.61%           | 0.224%        |
| 15        | 17.097      | 1354          | 1357        | 1370         | rBV      | 903417         | 1707363       | 57.30%          | 7.976%        |
| 16        | 17.760      | 1413          | 1415        | 1419         | rBV      | 27550          | 48098         | 1.61%           | 0.225%        |
| 17        | 18.491      | 1477          | 1479        | 1491         | rBV2     | 213796         | 630577        | 21.16%          | 2.946%        |
| 18        | 19.554      | 1569          | 1572        | 1575         | rBV      | 41623          | 59399         | 1.99%           | 0.277%        |
| 19        | 20.172      | 1624          | 1626        | 1637         | rBV2     | 176449         | 634495        | 21.30%          | 2.964%        |
| 20        | 20.526      | 1655          | 1657        | 1662         | rVB2     | 27113          | 45723         | 1.53%           | 0.214%        |
| 21        | 20.629      | 1662          | 1666        | 1670         | rBV3     | 31487          | 84716         | 2.84%           | 0.396%        |
| 22        | 20.960      | 1693          | 1695        | 1700         | rVB4     | 28748          | 49167         | 1.65%           | 0.230%        |

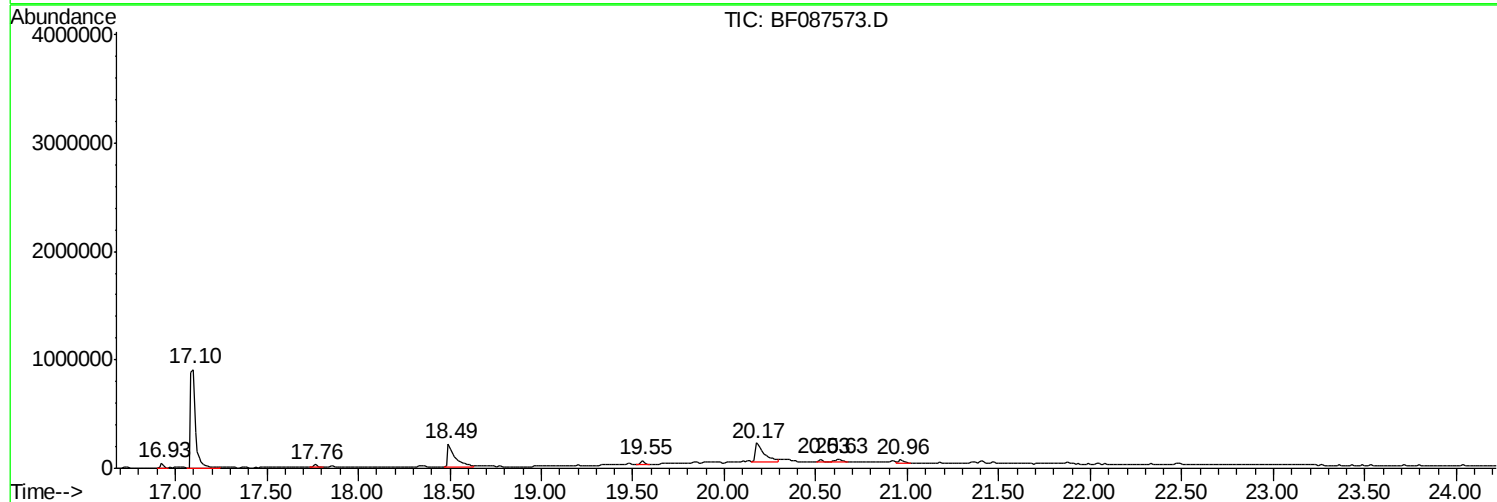
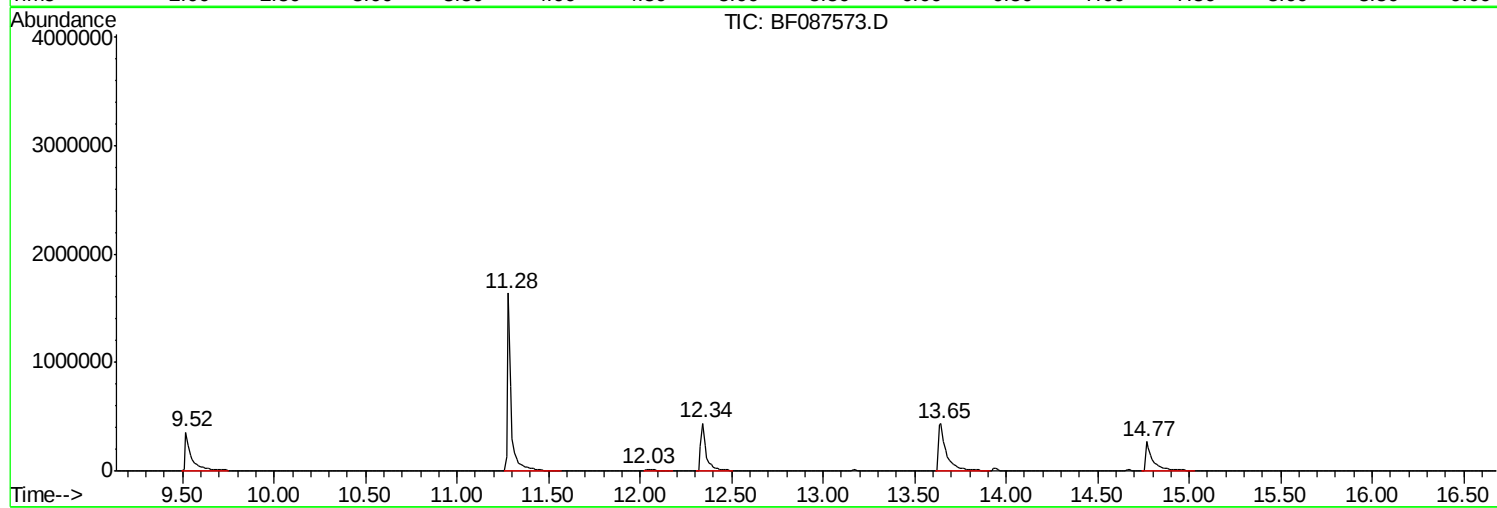
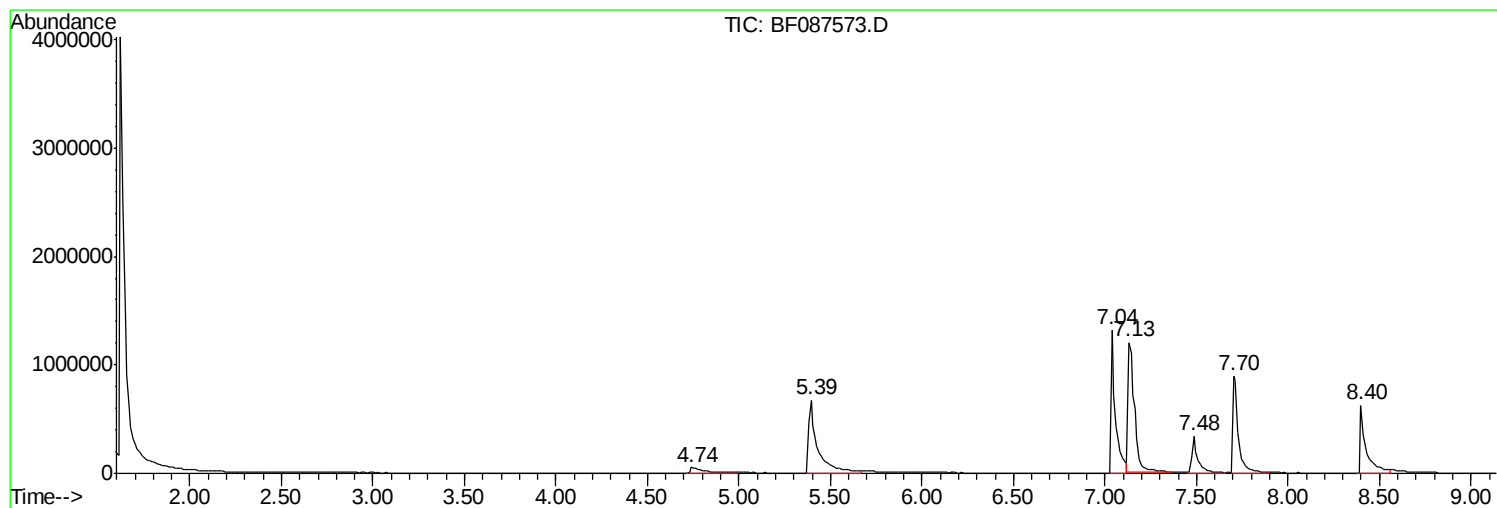
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF052316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P



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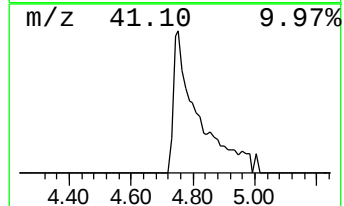
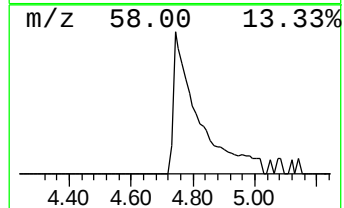
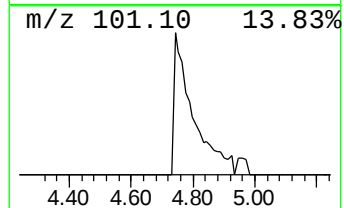
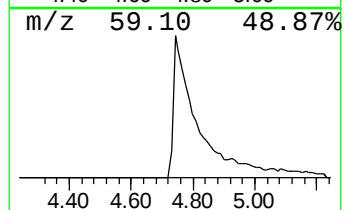
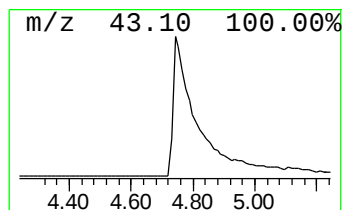
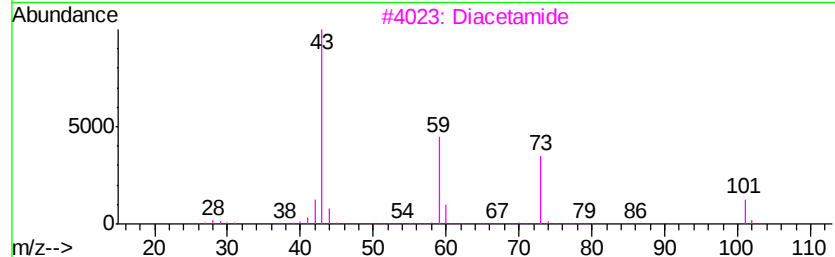
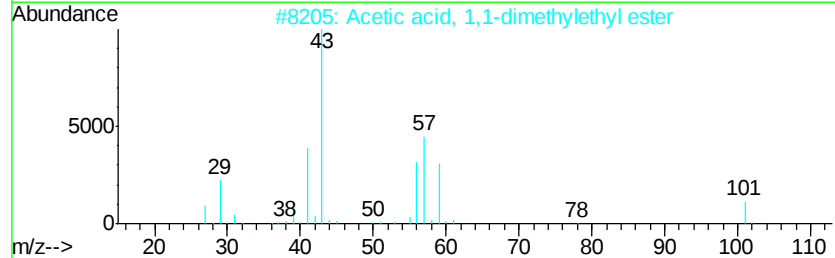
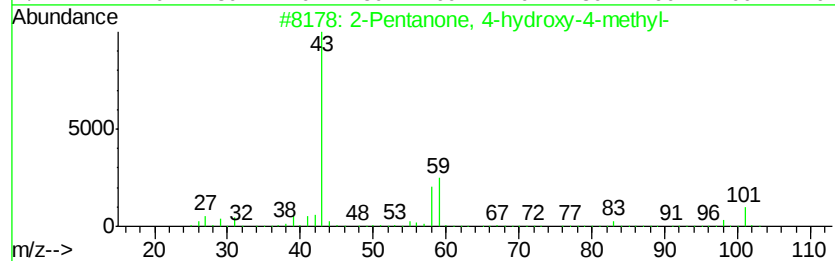
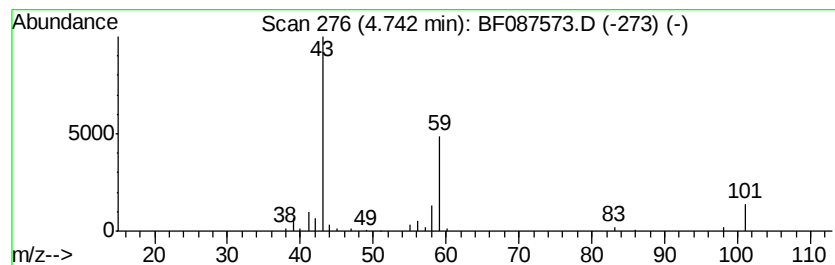
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TIC Integration Parameters: LSCINT.P

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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. |
|------|---------|--------|------------------------|------|
| 4.74 | 7.23 ng | 262980 | 1,4-Dichlorobenzene-d4 | 7.48 |

| Hit# | of                                  | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2      | 000123-42-2 | 64      |      |      |
| 2    | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2      | 000540-88-5 | 28      |      |      |
| 3    | Diacetamide                         | 101 | C4H7NO2      | 000625-77-4 | 9       |      |      |
| 4    | 4-Penten-2-one, 4-methyl-           | 98  | C6H10O       | 003744-02-3 | 9       |      |      |
| 5    | 2,3-Butanedione, monooxime          | 101 | C4H7NO2      | 000057-71-6 | 9       |      |      |



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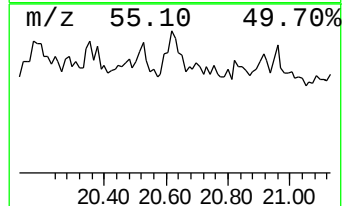
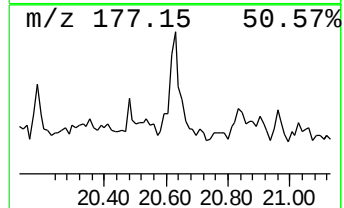
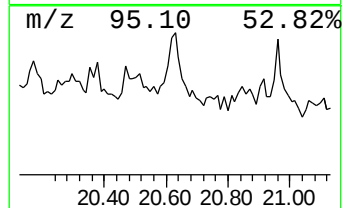
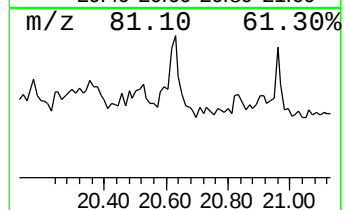
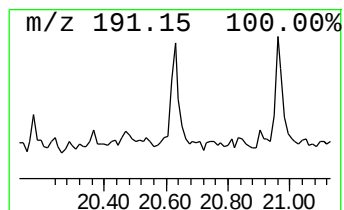
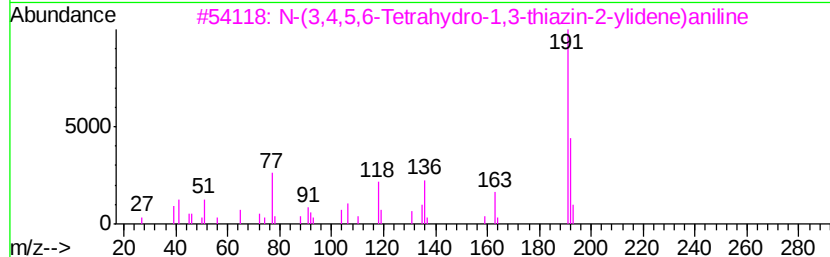
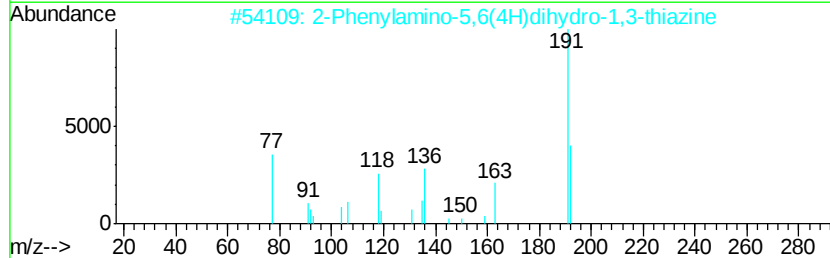
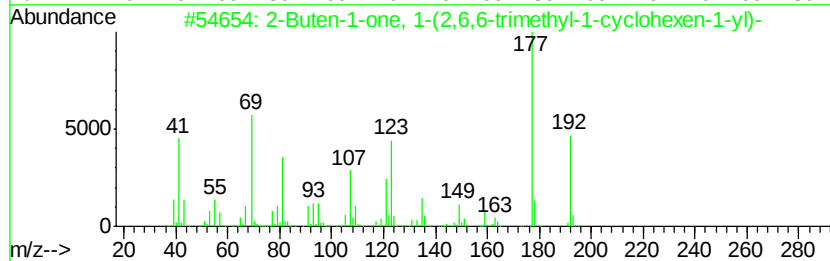
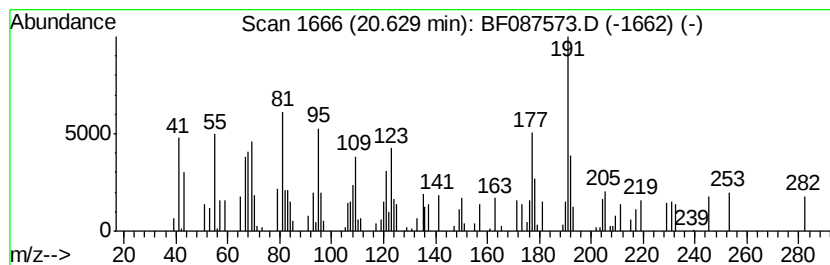
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Peak Number 4 unknown20.63 Concentration Rank 4

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 20.63 | 2.67 ng | 84716 | Perylene-d12     | 20.17 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 2-Buten-1-one, 1-(2,6,6-trimethy... | 192 | C13H20O   | 035044-68-9  | 25   |
| 2    |    | 2-Phenylamino-5,6(4H)dihydro-1,3... | 192 | C10H12N2S | 1000147-35-4 | 25   |
| 3    |    | N-(3,4,5,6-Tetrahydro-1,3-thiazi... | 192 | C10H12N2S | 003420-40-4  | 25   |
| 4    |    | N-Acrylonitril-2,2,5,5-tetrameth... | 192 | C11H16N2O | 077376-89-7  | 22   |
| 5    |    | Butanoic acid, 4-(4-hydroxypheny... | 209 | C10H11N04 | 062558-67-2  | 16   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| 2-Pentanone, 4-hy... | 4.74  | 7.2     | ng    | 262980   | 1                     | 7.48  | 726974 | 20.0 |
| unknown20.63         | 20.63 | 2.7     | ng    | 84716    | 6                     | 20.17 | 634495 | 20.0 |