

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF083017\  
 Data File : BF098161.D  
 Acq On : 30 Aug 2017 17:43  
 Operator : SJ/JU  
 Sample : PB101874BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB101874BL

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-BF081517.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         | 4.934       | 476           | 484         | 495          | rBV      | 194699         | 281792        | 8.25%           | 1.035%        |
| 2         | 5.340       | 547           | 553         | 556          | rBV      | 2931783        | 3005410       | 87.96%          | 11.038%       |
| 3         | 6.363       | 721           | 727         | 730          | rBV      | 2878253        | 3060733       | 89.58%          | 11.241%       |
| 4         | 6.492       | 744           | 749         | 752          | rBV      | 2971941        | 2994374       | 87.64%          | 10.997%       |
| 5         | 6.722       | 784           | 788         | 792          | rBV      | 688915         | 570361        | 16.69%          | 2.095%        |
| 6         | 6.881       | 810           | 815         | 818          | rBV      | 2362478        | 2332409       | 68.26%          | 8.566%        |
| 7         | 7.287       | 878           | 884         | 887          | rBV      | 1875315        | 1942519       | 56.85%          | 7.134%        |
| 8         | 8.004       | 1001          | 1006        | 1018         | rBV      | 781142         | 776264        | 22.72%          | 2.851%        |
| 9         | 9.081       | 1183          | 1189        | 1192         | rBV      | 3069807        | 3416787       | 100.00%         | 12.549%       |
| 10        | 9.757       | 1298          | 1304        | 1315         | rVB      | 785286         | 852157        | 24.94%          | 3.130%        |
| 11        | 10.545      | 1432          | 1438        | 1441         | rBV      | 1907551        | 1979545       | 57.94%          | 7.270%        |
| 12        | 11.233      | 1550          | 1555        | 1563         | rBV      | 921049         | 918299        | 26.88%          | 3.373%        |
| 13        | 12.827      | 1820          | 1826        | 1829         | rBV      | 3224933        | 3371475       | 98.67%          | 12.382%       |
| 14        | 13.868      | 1999          | 2003        | 2009         | rBV      | 980064         | 871948        | 25.52%          | 3.202%        |
| 15        | 15.280      | 2238          | 2243        | 2247         | rBV      | 527594         | 622298        | 18.21%          | 2.285%        |
| 16        | 15.315      | 2247          | 2249        | 2254         | rVB      | 39445          | 43762         | 1.28%           | 0.161%        |
| 17        | 15.715      | 2313          | 2317        | 2322         | rBV2     | 31866          | 45334         | 1.33%           | 0.166%        |
| 18        | 16.186      | 2391          | 2397        | 2403         | rVB2     | 33947          | 59143         | 1.73%           | 0.217%        |
| 19        | 16.733      | 2485          | 2490        | 2497         | rBV4     | 22063          | 42210         | 1.24%           | 0.155%        |
| 20        | 17.374      | 2594          | 2599        | 2608         | rVB7     | 15383          | 41545         | 1.22%           | 0.153%        |

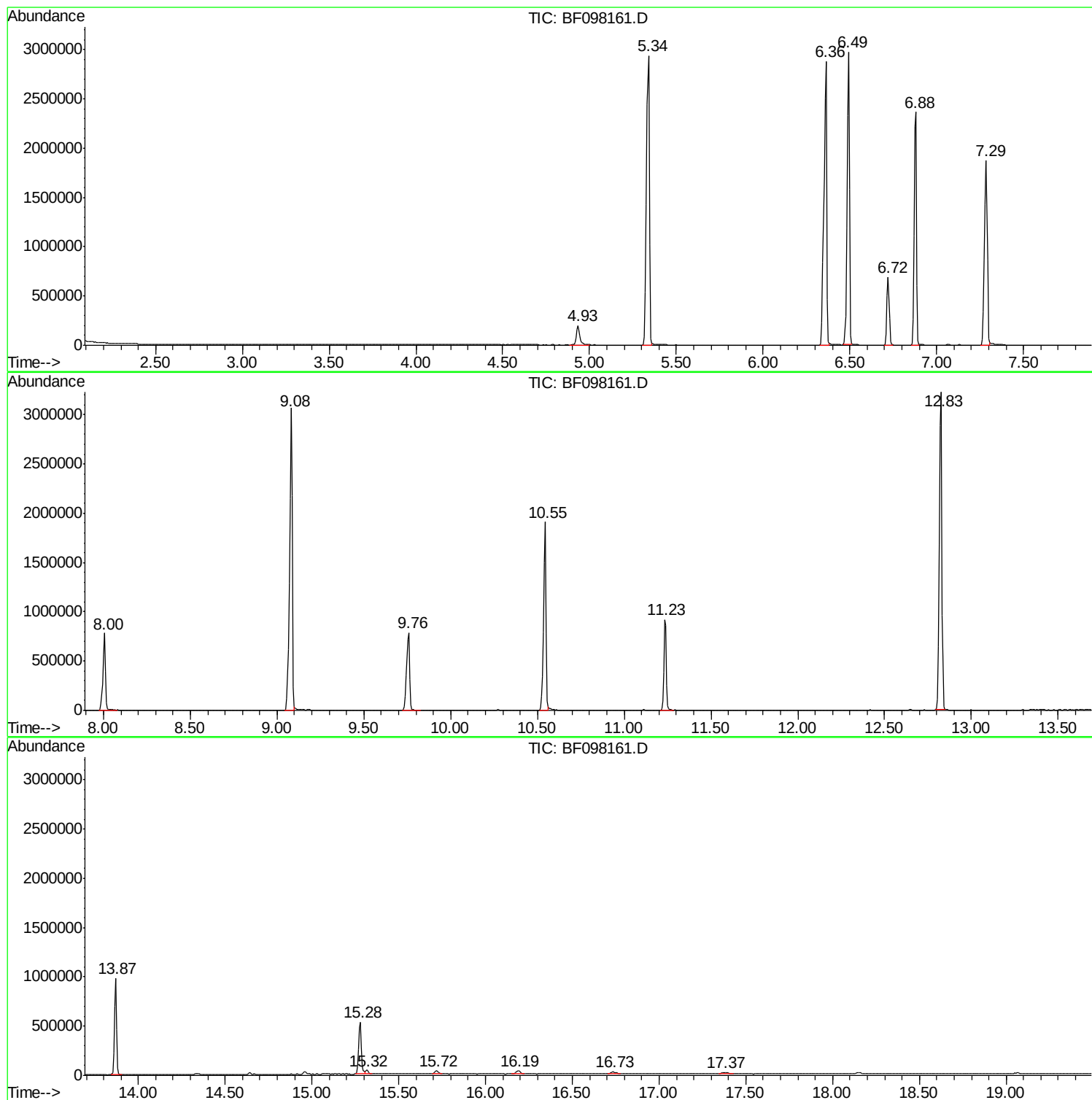
Sum of corrected areas: 27228365

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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081517.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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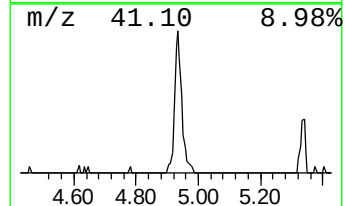
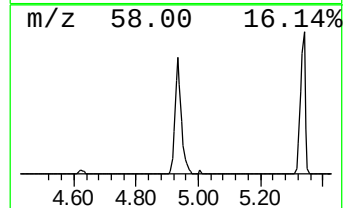
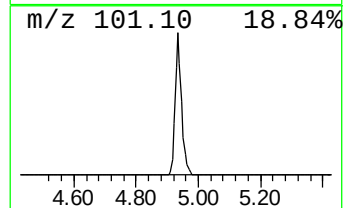
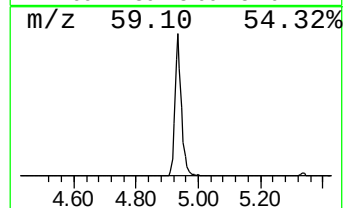
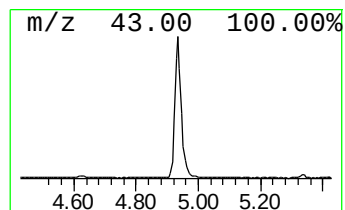
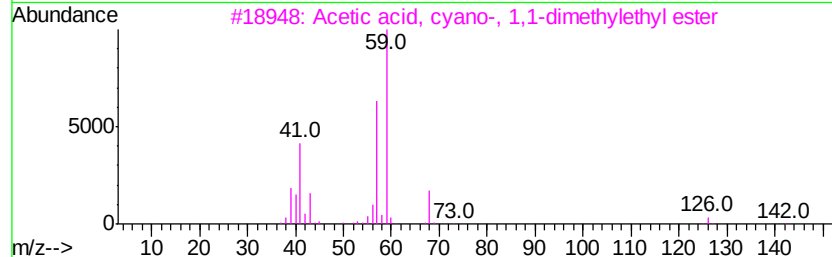
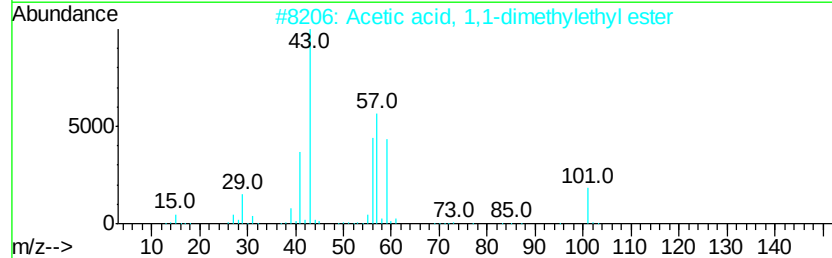
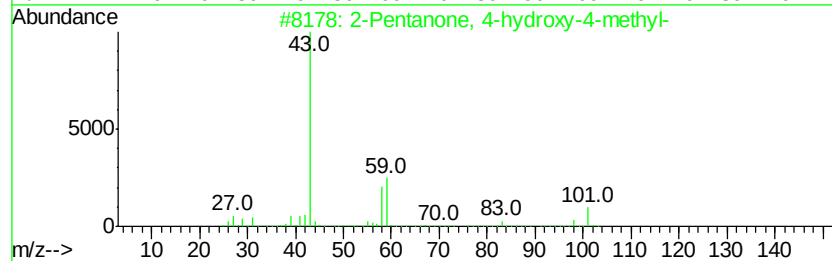
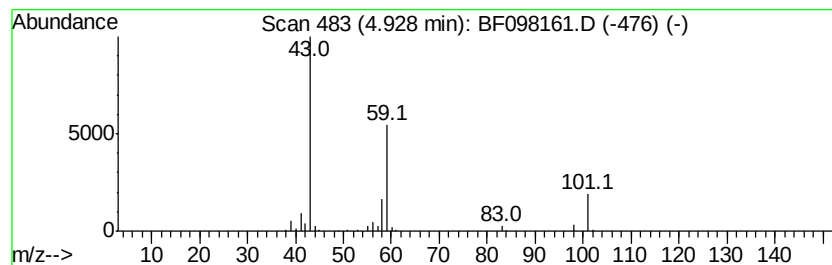
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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 4.93 | 9.88 ng | 281792 | 1,4-Dichlorobenzene-d4 | 6.72 |

| Hit# of | 5                                    | Tentative ID | MW       | MolForm     | CAS# | Qual |
|---------|--------------------------------------|--------------|----------|-------------|------|------|
| 1       | 2-Pentanone, 4-hydroxy-4-methyl-     | 116          | C6H12O2  | 000123-42-2 | 59   |      |
| 2       | Acetic acid, 1,1-dimethylethyl e...  | 116          | C6H12O2  | 000540-88-5 | 39   |      |
| 3       | Acetic acid, cyano-, 1,1-dimethyl... | 141          | C7H11NO2 | 001116-98-9 | 17   |      |
| 4       | (+)-4-Amino-4,5-dihydro-2(3H)-f...   | 101          | C4H7NO2  | 016504-58-8 | 9    |      |
| 5       | Morpholine, 4-methyl-                | 101          | C5H11NO  | 000109-02-4 | 9    |      |



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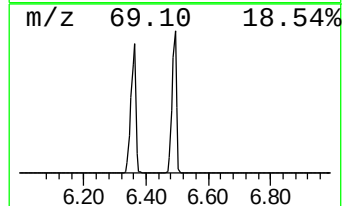
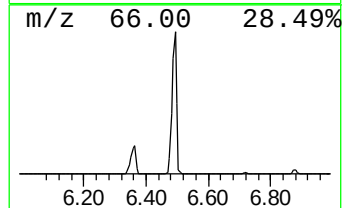
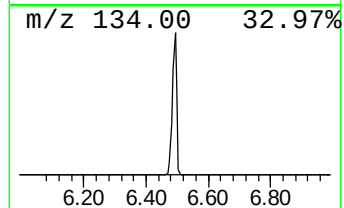
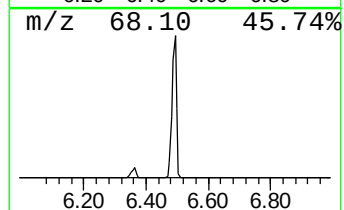
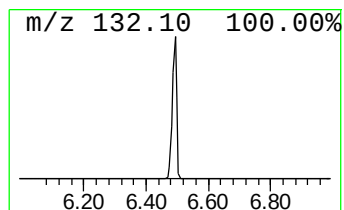
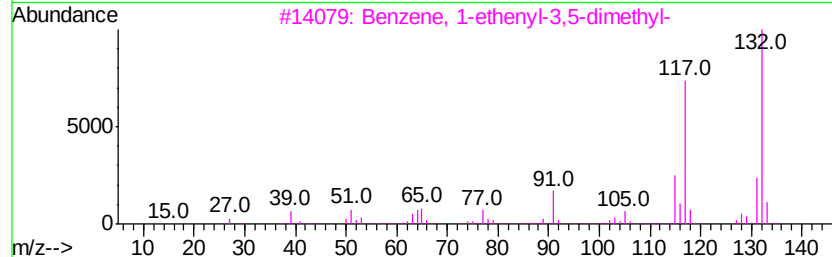
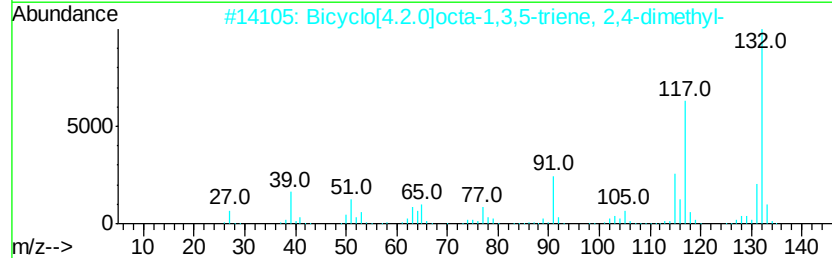
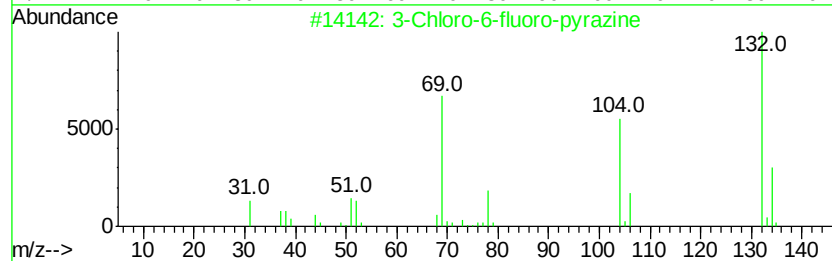
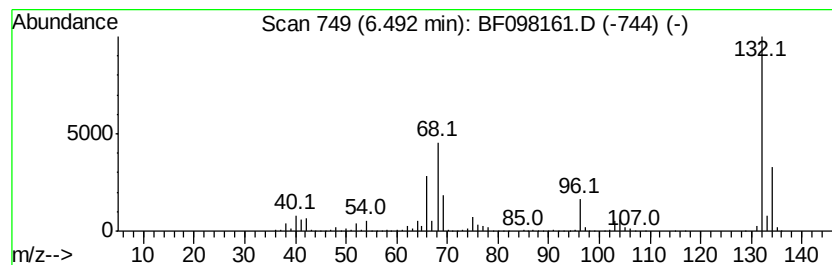
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Peak Number 2 unknown6.49 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 6.49 | 105.00 ng | 2994370 | 1,4-Dichlorobenzene-d4 | 6.72 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 16   |
| 2    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |
| 3    |    | Benzene, 1-ethenyl-3,5-dimethyl-    | 132 | C10H12    | 005379-20-4  | 9    |
| 4    |    | 4-Chloro-6-fluoro-pyrimidine        | 132 | C4H2ClFN2 | 051422-01-6  | 9    |
| 5    |    | 4-Chloro-2-fluoro-pyrimidine        | 132 | C4H2ClFN2 | 051422-00-5  | 9    |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| 2-Pentanone, 4-hy... | 4.93 | 9.9     | ng    | 281792   | 1                     | 6.72 | 570361 | 20.0 |
| unknown6.49          | 6.49 | 105.0   | ng    | 2994370  | 1                     | 6.72 | 570361 | 20.0 |