

Data Path : U:\HPCHEM1\BNA G\DATA\BG122617\  
 Data File : BG031778.D  
 Acq On : 27 Dec 2017 2:09  
 Operator : SJ/JU  
 Sample : PB105316BL  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB105316BL

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\_G\METHODS\8270-BG122117.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         | 5.716       | 407           | 413         | 423          | rBV      | 32681          | 53873         | 1.22%           | 0.333%        |
| 2         | 6.227       | 491           | 500         | 509          | rBV      | 424628         | 747994        | 16.89%          | 4.624%        |
| 3         | 7.902       | 775           | 785         | 798          | rBV      | 440263         | 787458        | 17.78%          | 4.868%        |
| 4         | 8.313       | 847           | 855         | 865          | rBV      | 444439         | 833116        | 18.81%          | 5.151%        |
| 5         | 8.807       | 932           | 939         | 949          | rBB      | 128697         | 228531        | 5.16%           | 1.413%        |
| 6         | 9.141       | 986           | 996         | 1007         | rBB      | 547371         | 1015531       | 22.93%          | 6.278%        |
| 7         | 10.005      | 1134          | 1143        | 1153         | rBV      | 349290         | 669790        | 15.12%          | 4.141%        |
| 8         | 11.691      | 1422          | 1430        | 1443         | rBB      | 175409         | 328152        | 7.41%           | 2.029%        |
| 9         | 14.065      | 1826          | 1834        | 1846         | rBV      | 1484059        | 2363547       | 53.36%          | 14.612%       |
| 10        | 15.434      | 2060          | 2067        | 2078         | rVB2     | 329720         | 547266        | 12.35%          | 3.383%        |
| 11        | 16.903      | 2310          | 2317        | 2327         | rBV      | 680378         | 1107896       | 25.01%          | 6.849%        |
| 12        | 18.166      | 2525          | 2532        | 2544         | rBV2     | 513446         | 817700        | 18.46%          | 5.055%        |
| 13        | 20.698      | 2956          | 2963        | 2972         | rBV      | 3216682        | 4429646       | 100.00%         | 27.385%       |
| 14        | 22.514      | 3264          | 3272        | 3280         | rBV      | 577471         | 1095892       | 24.74%          | 6.775%        |
| 15        | 26.263      | 3896          | 3910        | 3928         | rVB      | 350880         | 1148907       | 25.94%          | 7.103%        |

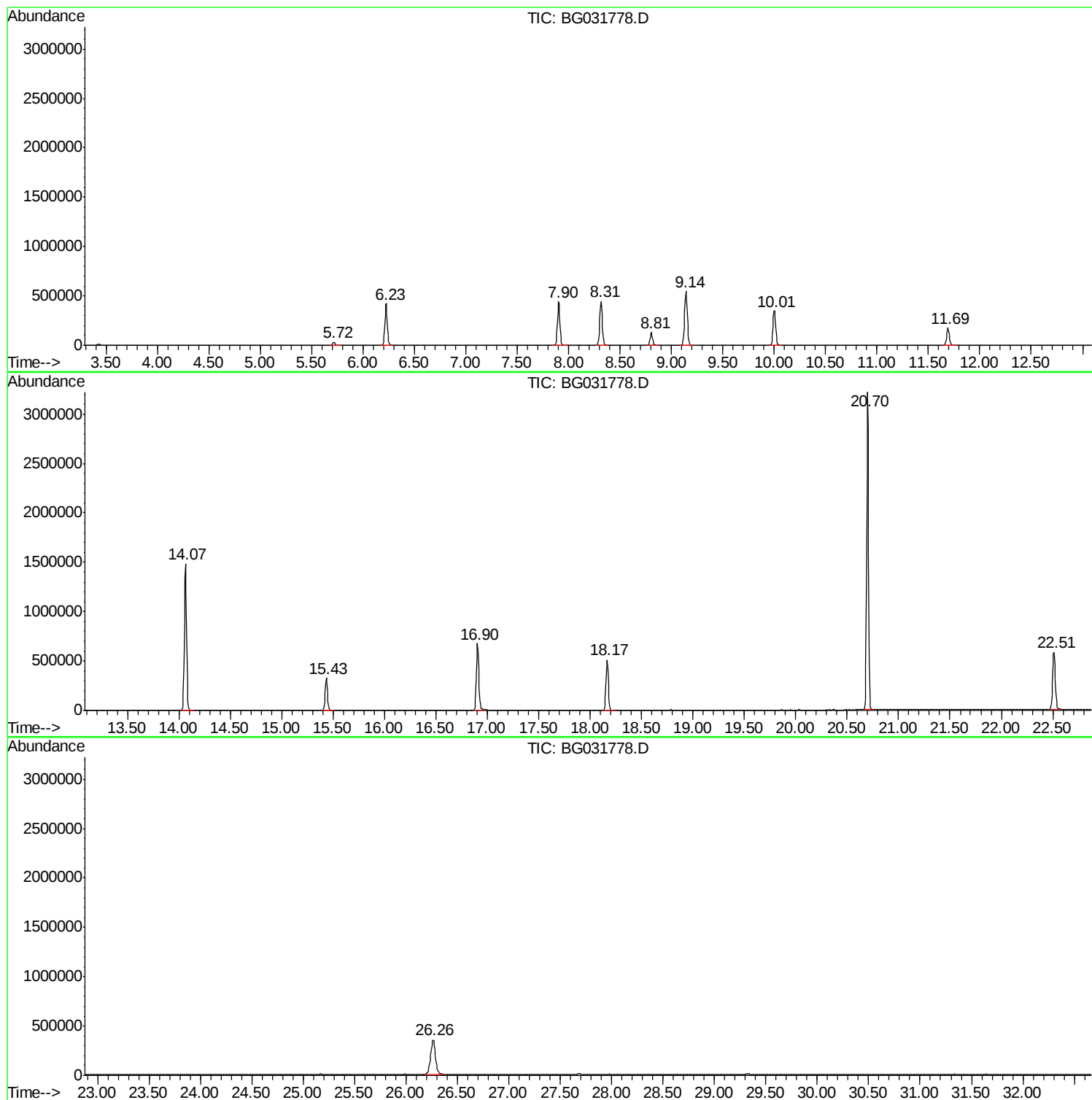
Sum of corrected areas: 16175299

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.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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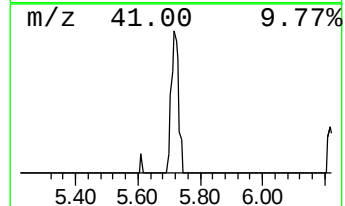
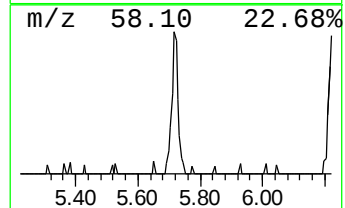
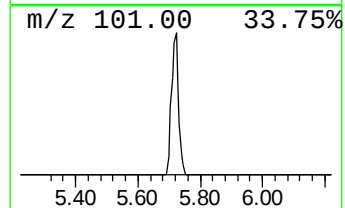
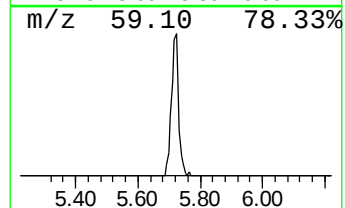
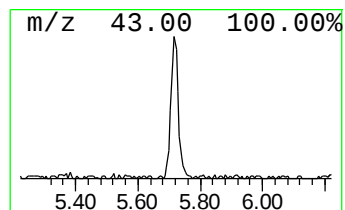
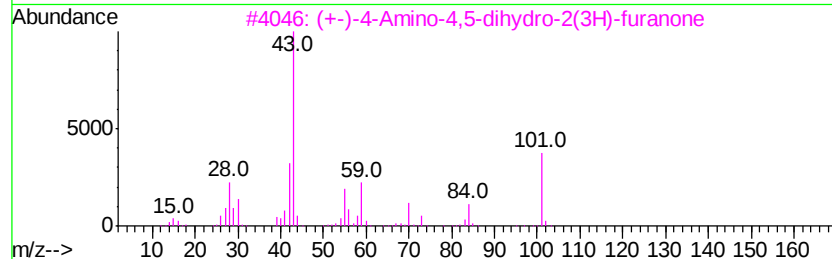
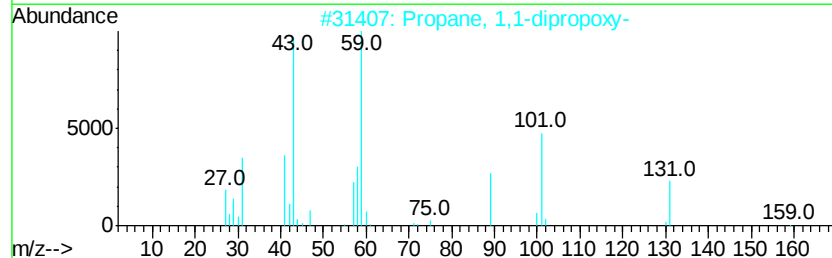
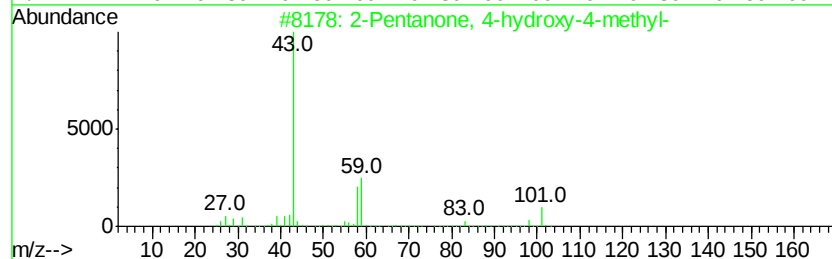
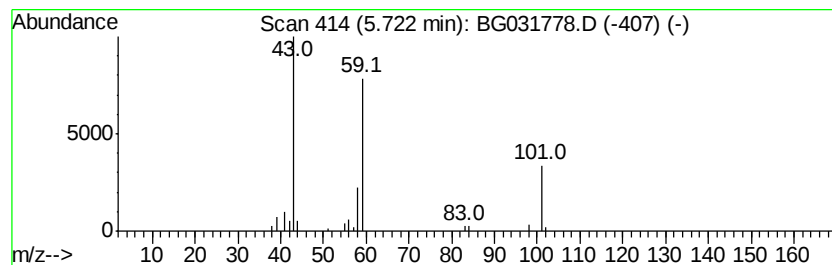
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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 5.72 | 4.71 ng | 53873 | 1,4-Dichlorobenzene-d4 | 8.81 |

| Hit# | of | 5 | Tentative ID                           | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-       | 116 | C6H12O2 | 000123-42-2 | 50   |
| 2    |    |   | Propane, 1,1-dipropoxy-                | 160 | C9H20O2 | 004744-11-0 | 38   |
| 3    |    |   | (+)-4-Amino-4,5-dihydro-2(3H)-furanone | 101 | C4H7NO2 | 016504-58-8 | 37   |
| 4    |    |   | Hydrazine, 1,1-bis(1-methylethyl)-     | 116 | C6H16N2 | 000921-14-2 | 25   |
| 5    |    |   | Morpholine, 4-methyl-                  | 101 | C5H11NO | 000109-02-4 | 12   |



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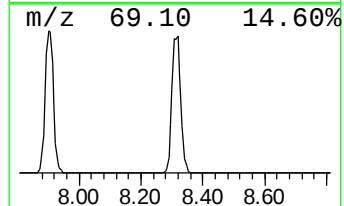
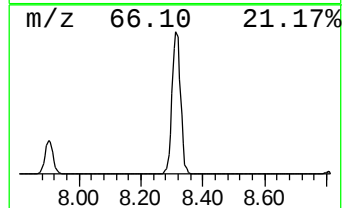
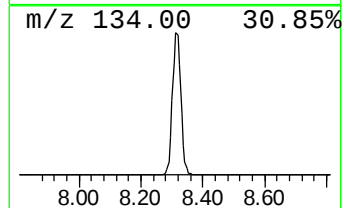
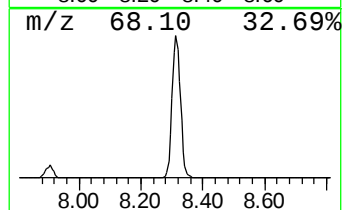
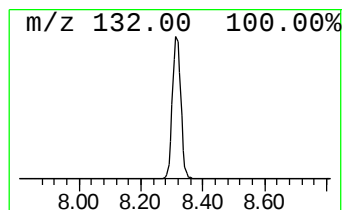
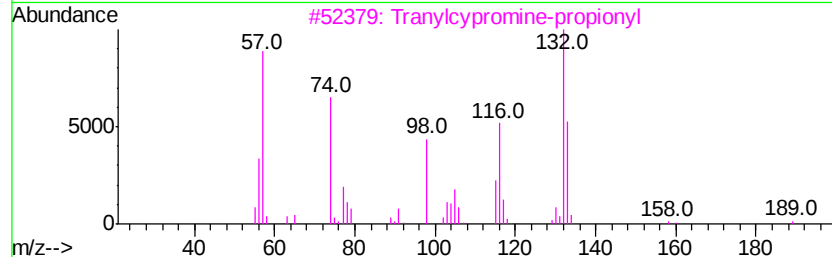
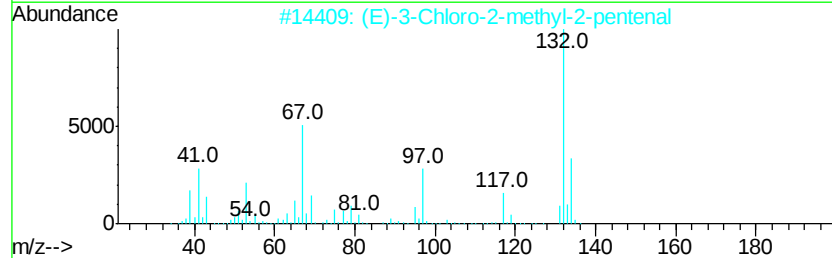
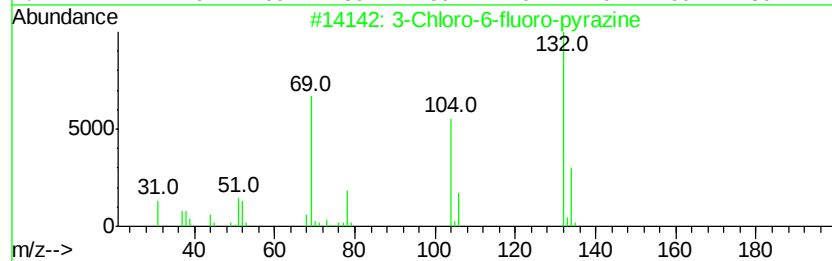
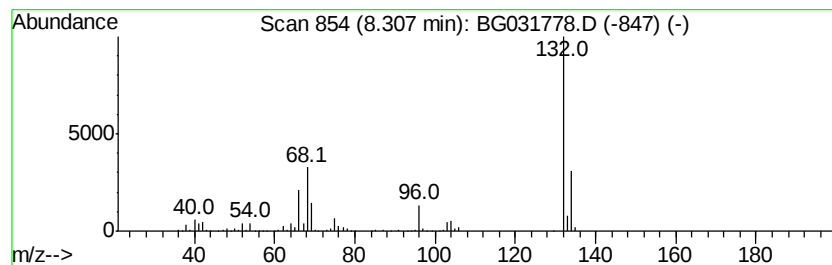
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Peak Number 2 unknown8.31 Concentration Rank 2

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 8.31 | 72.91 ng | 833116 | 1,4-Dichlorobenzene-d4 | 8.81 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 38   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 25   |
| 3    |    | Tranvlcyproline-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 12   |
| 4    |    | 4-Chloro-2-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-00-5  | 9    |
| 5    |    | 4-Methylpyrrolo[1,2-a]pyrazine   | 132 | C8H8N2    | 064608-60-2  | 9    |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| 2-Pentanone, 4-hy... | 5.72 | 4.7     | ng    | 53873    | 1                     | 8.81 | 228531 | 20.0 |
| unknown8.31          | 8.31 | 72.9    | ng    | 833116   | 1                     | 8.81 | 228531 | 20.0 |