

Data Path : U:\HPCHEM1\BNA G\DATA\BG122617\  
 Data File : BG031768.D  
 Acq On : 26 Dec 2017 19:08  
 Operator : SJ/JU  
 Sample : PB105319BL  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB105319BL

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       | 406           | 413         | 422          | rBV      | 42060          | 71228         | 1.57%           | 0.384%        |
| 2         | 6.227       | 491           | 500         | 510          | rBV      | 649605         | 1124032       | 24.72%          | 6.063%        |
| 3         | 7.908       | 778           | 786         | 798          | rBV      | 640903         | 1167399       | 25.68%          | 6.297%        |
| 4         | 8.313       | 847           | 855         | 869          | rBV      | 665544         | 1257382       | 27.66%          | 6.782%        |
| 5         | 8.807       | 932           | 939         | 949          | rVB      | 127123         | 230579        | 5.07%           | 1.244%        |
| 6         | 9.142       | 988           | 996         | 1008         | rBB      | 565570         | 1043115       | 22.94%          | 5.626%        |
| 7         | 10.005      | 1134          | 1143        | 1152         | rBV      | 360248         | 678442        | 14.92%          | 3.659%        |
| 8         | 11.692      | 1422          | 1430        | 1440         | rBB      | 186090         | 340004        | 7.48%           | 1.834%        |
| 9         | 14.065      | 1826          | 1834        | 1846         | rBV      | 1478915        | 2372054       | 52.18%          | 12.795%       |
| 10        | 15.434      | 2059          | 2067        | 2078         | rVB2     | 329839         | 554950        | 12.21%          | 2.993%        |
| 11        | 16.909      | 2311          | 2318        | 2331         | rBV      | 1391676        | 2125975       | 46.76%          | 11.467%       |
| 12        | 18.166      | 2524          | 2532        | 2541         | rBV2     | 534688         | 831406        | 18.29%          | 4.485%        |
| 13        | 20.699      | 2956          | 2963        | 2973         | rBV      | 3192708        | 4546322       | 100.00%         | 24.522%       |
| 14        | 22.508      | 3264          | 3271        | 3282         | rBV      | 556331         | 1072841       | 23.60%          | 5.787%        |
| 15        | 26.263      | 3897          | 3910        | 3926         | rBV2     | 340862         | 1123689       | 24.72%          | 6.061%        |

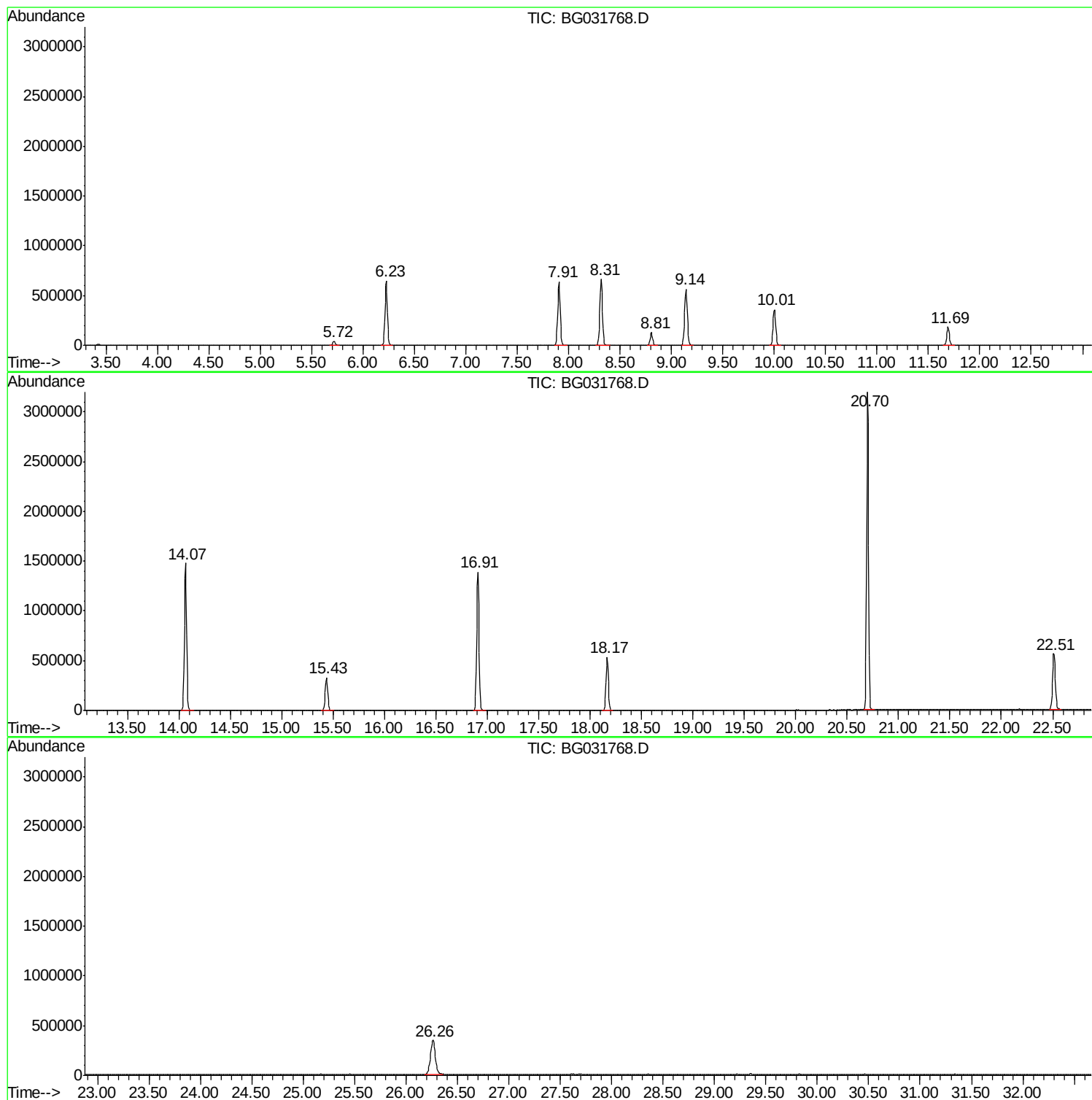
Sum of corrected areas: 18539418

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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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ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampled :  
PB105319BL

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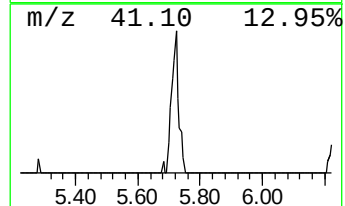
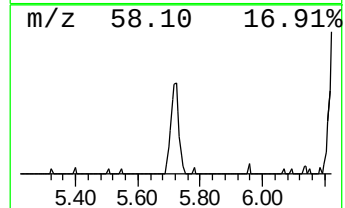
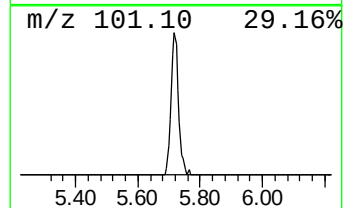
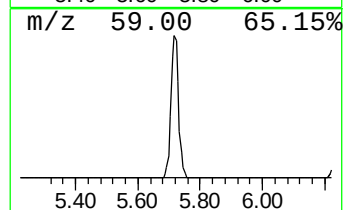
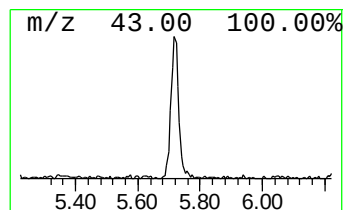
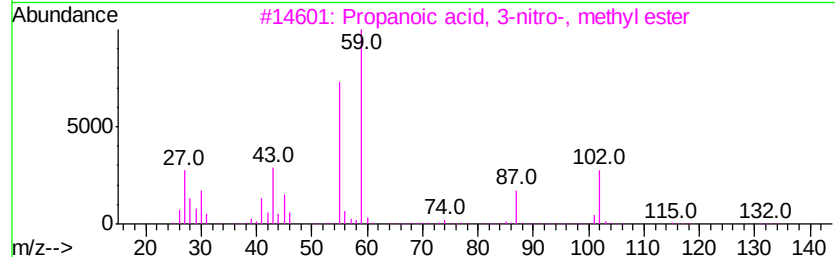
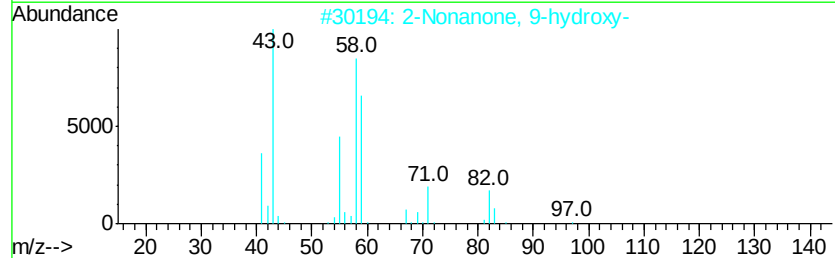
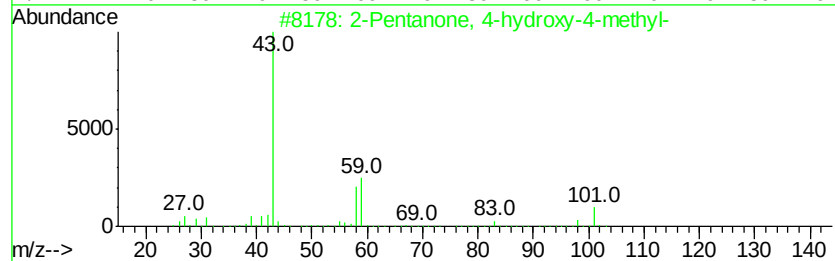
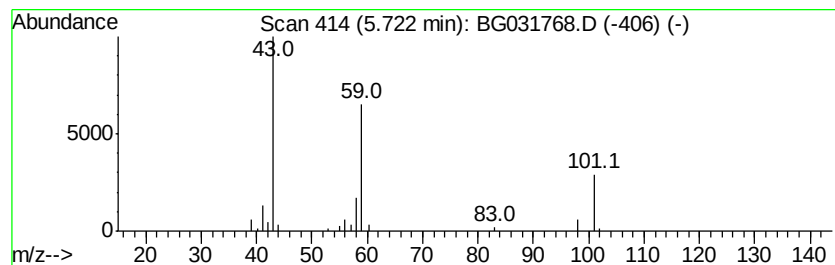
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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 5.72 | 6.18 ng | 71228 | 1,4-Dichlorobenzene-d4 | 8.80 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 50   |
| 2    |    |   | 2-Nonanone, 9-hydroxy-              | 158 | C9H18O2 | 025368-56-3 | 28   |
| 3    |    |   | Propanoic acid, 3-nitro-, methyl... | 133 | C4H7NO4 | 020497-95-4 | 17   |
| 4    |    |   | Propanamide, N-ethyl-               | 101 | C5H11NO | 005129-72-6 | 9    |
| 5    |    |   | Butane, 1-ethoxy-                   | 102 | C6H14O  | 000628-81-9 | 9    |



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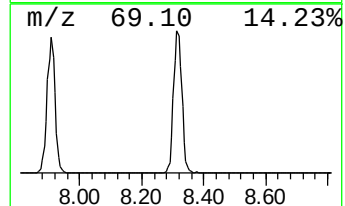
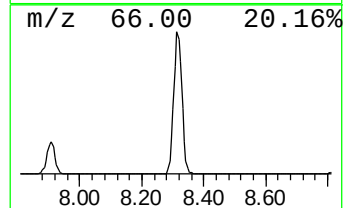
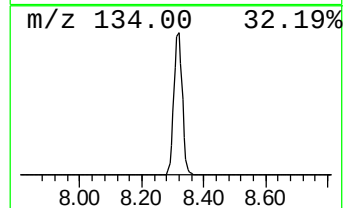
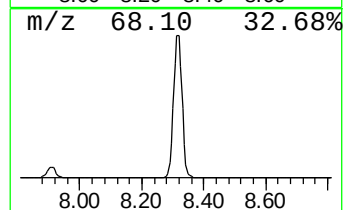
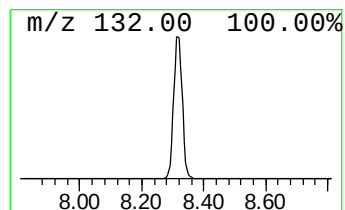
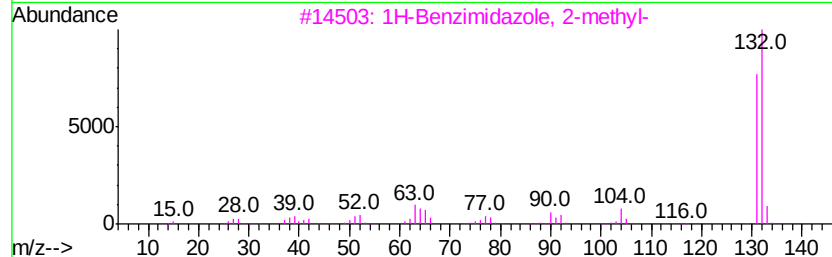
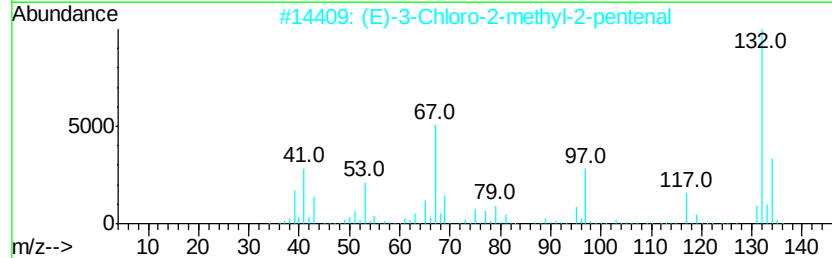
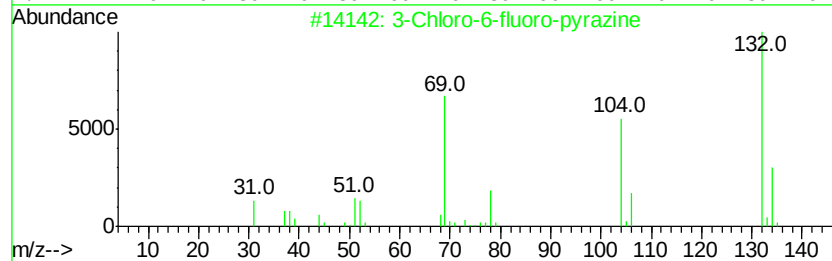
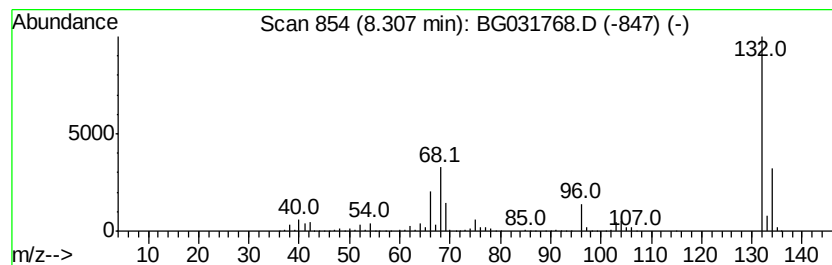
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Peak Number 2 unknown8.31 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 8.31 | 109.06 ng | 1257380 | 1,4-Dichlorobenzene-d4 | 8.80 |

| 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    |    | 1H-Benzimidazole, 2-methyl-      | 132 | C8H8N2    | 000615-15-6  | 10   |
| 4    |    | (5-Methyl-2-pyridyl)acetonitrile | 132 | C8H8N2    | 1000241-93-9 | 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... | 5.72 | 6.2     | ng    | 71228    | 1                     | 8.80 | 230579 | 20.0 |
| unknown8.31          | 8.31 | 109.1   | ng    | 1257380  | 1                     | 8.80 | 230579 | 20.0 |