

Data Path : Z:\HPCHEM1\BNA G\DATA\BG113017\  
 Data File : BG031295.D  
 Acq On : 30 Nov 2017 19:45  
 Operator : SJ/JU  
 Sample : I6634-03  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 2

Instrument :  
 BNA\_G  
 ClientSampleId :  
 112717-JETT-E-U-B

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-BG111017.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         | 5.205       | 320           | 326         | 337          | rBV      | 65431          | 108776        | 1.62%           | 0.357%        |
| 2         | 5.693       | 399           | 409         | 427          | rBV      | 341058         | 619250        | 9.21%           | 2.032%        |
| 3         | 7.297       | 674           | 682         | 693          | rBV      | 210550         | 433783        | 6.45%           | 1.424%        |
| 4         | 7.667       | 737           | 745         | 764          | rBV      | 647515         | 1203217       | 17.89%          | 3.949%        |
| 5         | 8.131       | 817           | 824         | 832          | rBV      | 466180         | 815385        | 12.12%          | 2.676%        |
| 6         | 8.454       | 871           | 879         | 892          | rBV      | 1005708        | 1802050       | 26.80%          | 5.914%        |
| 7         | 9.301       | 1014          | 1023        | 1036         | rBV      | 694938         | 1368625       | 20.35%          | 4.492%        |
| 8         | 10.946      | 1295          | 1303        | 1323         | rBV      | 577140         | 1165920       | 17.34%          | 3.826%        |
| 9         | 13.372      | 1709          | 1716        | 1737         | rBV      | 2329517        | 3932044       | 58.47%          | 12.905%       |
| 10        | 14.753      | 1943          | 1951        | 1964         | rBV2     | 1047912        | 1789826       | 26.61%          | 5.874%        |
| 11        | 16.239      | 2197          | 2204        | 2218         | rBV      | 1120072        | 1939077       | 28.83%          | 6.364%        |
| 12        | 17.491      | 2411          | 2417        | 2432         | rBV2     | 1482748        | 2367287       | 35.20%          | 7.769%        |
| 13        | 18.360      | 2557          | 2565        | 2583         | rBV3     | 53717          | 142598        | 2.12%           | 0.468%        |
| 14        | 19.624      | 2775          | 2780        | 2791         | rBV2     | 71582          | 155418        | 2.31%           | 0.510%        |
| 15        | 20.088      | 2852          | 2859        | 2868         | rBV      | 4730359        | 6725244       | 100.00%         | 22.072%       |
| 16        | 21.380      | 3073          | 3079        | 3089         | rBV6     | 42973          | 114734        | 1.71%           | 0.377%        |
| 17        | 21.768      | 3137          | 3145        | 3158         | rBV      | 1652434        | 2935208       | 43.64%          | 9.633%        |
| 18        | 25.064      | 3694          | 3706        | 3720         | rBV2     | 963055         | 2851185       | 42.40%          | 9.357%        |

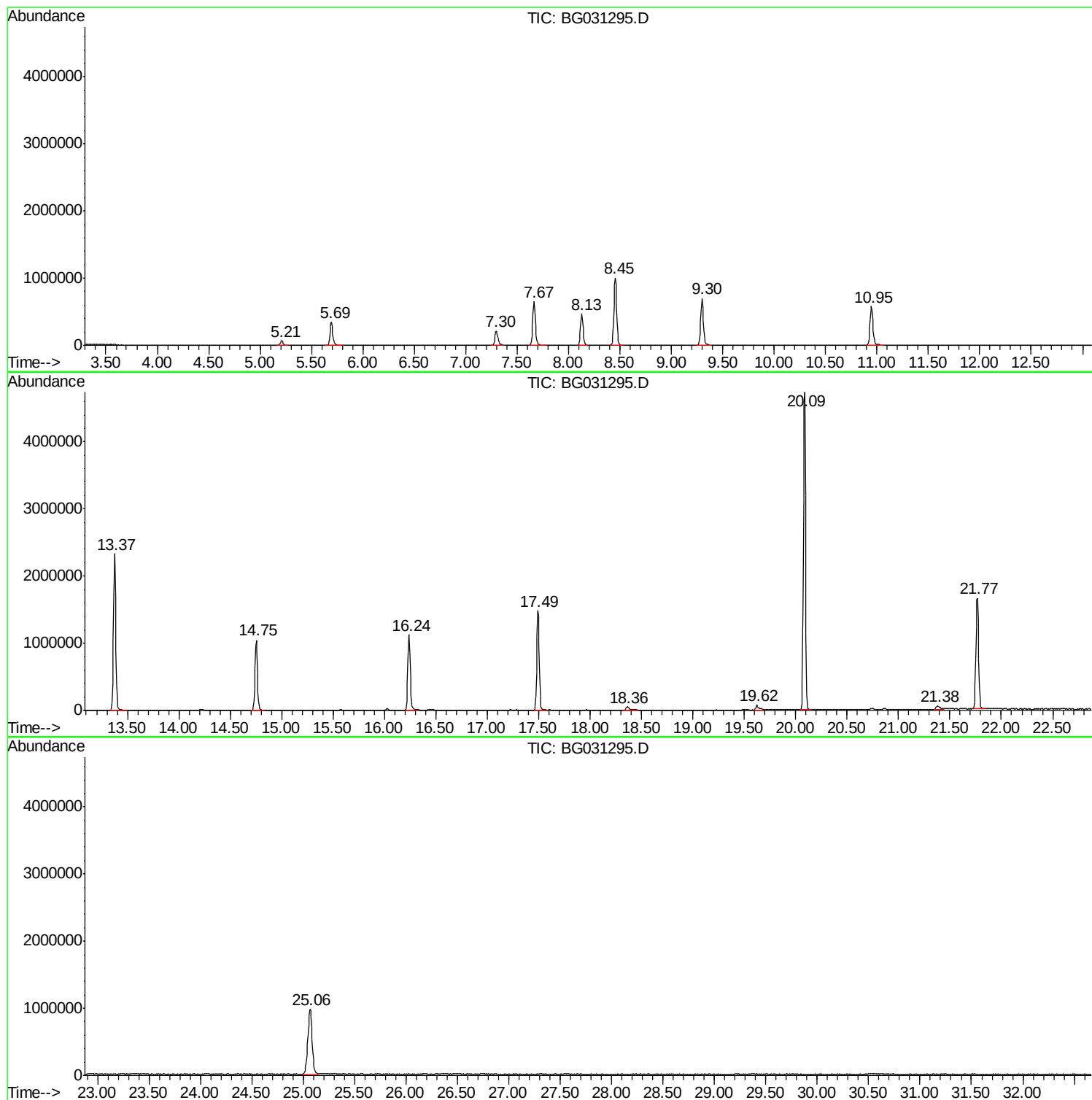
Sum of corrected areas: 30469627

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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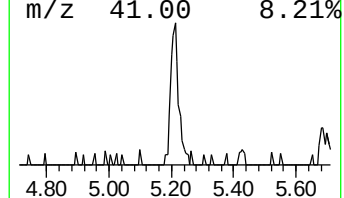
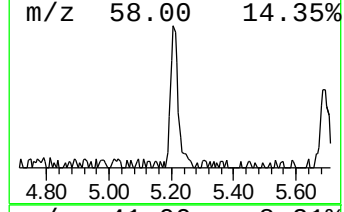
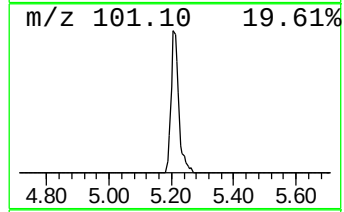
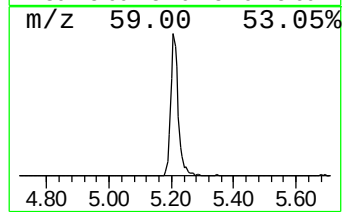
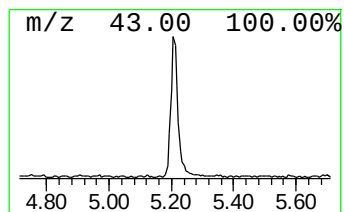
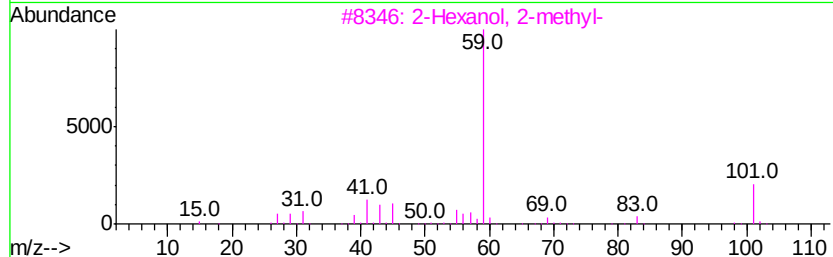
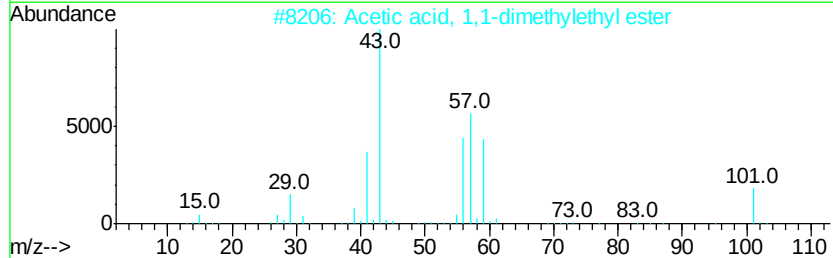
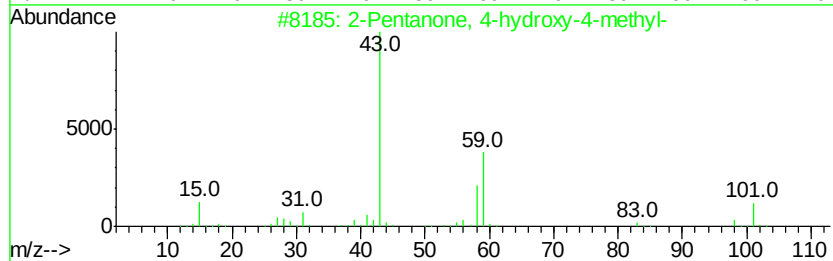
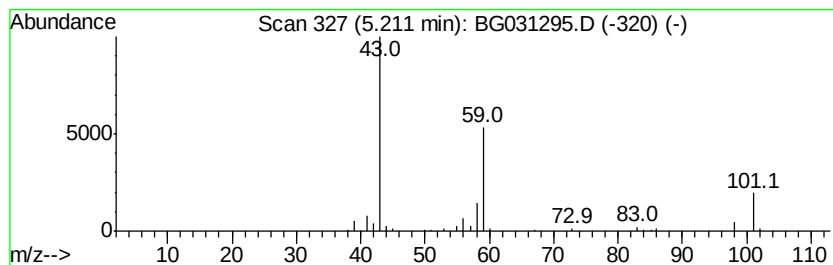
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG111017.M  
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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 5.21 | 2.67 ng | 108776 | 1,4-Dichlorobenzene-d4 | 8.13 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 50   |
| 2    |    |   | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 38   |
| 3    |    |   | 2-Hexanol, 2-methyl-                | 116 | C7H16O  | 000625-23-0 | 28   |
| 4    |    |   | 3-Hydroxy-3-methyl-2-butanone       | 102 | C5H10O2 | 000115-22-0 | 25   |
| 5    |    |   | Propane, 2-ethoxy-2-methyl-         | 102 | C6H14O  | 000637-92-3 | 17   |



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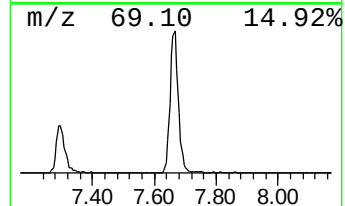
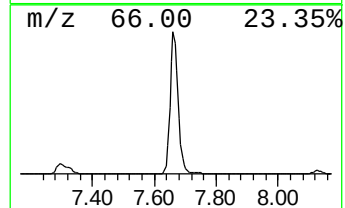
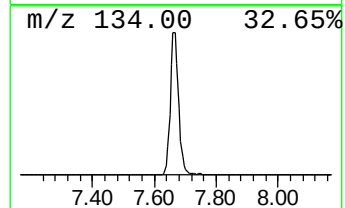
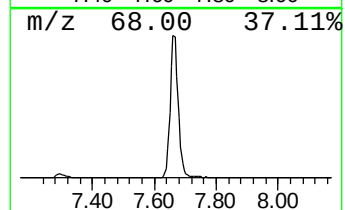
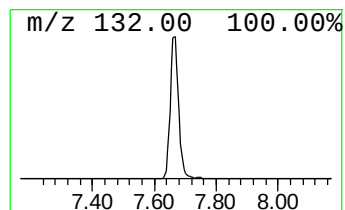
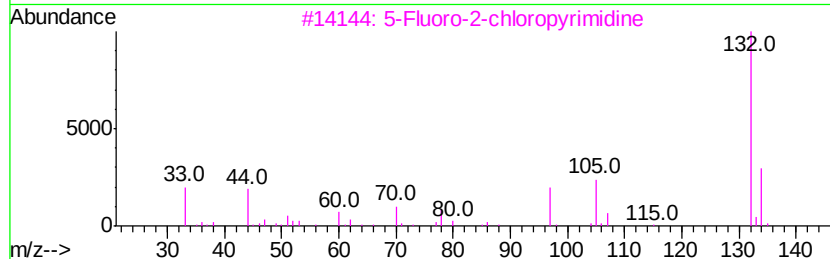
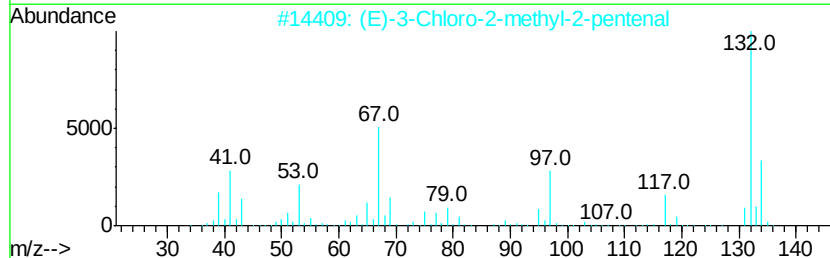
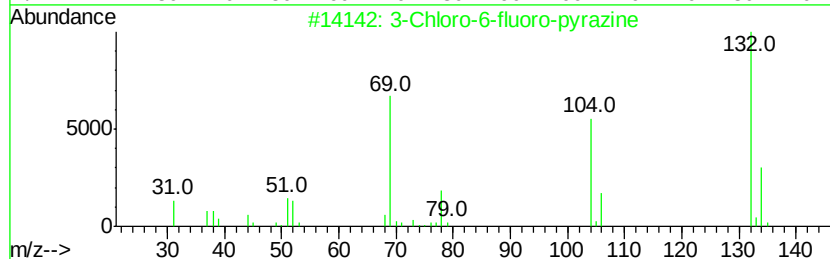
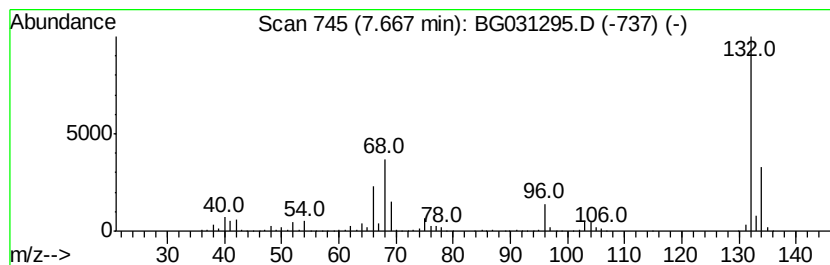
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Peak Number 2 unknown7.67 Concentration Rank 2

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 7.67 | 29.51 ng | 1203220 | 1,4-Dichlorobenzene-d4 | 8.13 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 35   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 25   |
| 3    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 9    |
| 4    |    | 1-Methylpyrrolo[1,2-a]pyrazine   | 132 | C8H8N2    | 064608-59-9  | 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... | 5.21 | 2.7     | ng    | 108776   | 1                     | 8.13 | 815385 | 20.0 |
| unknown7.67          | 7.67 | 29.5    | ng    | 1203220  | 1                     | 8.13 | 815385 | 20.0 |