

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF021519\  
 Data File : BF112581.D  
 Acq On : 15 Feb 2019 16:21  
 Operator : JU/SJ  
 Sample : PB117100BL  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB117100BL

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:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF012519.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         | 5.063       | 502           | 506         | 520          | rBV      | 58850          | 81118         | 2.51%           | 0.357%        |
| 2         | 5.475       | 573           | 576         | 596          | rBV      | 1729153        | 1796180       | 55.58%          | 7.912%        |
| 3         | 6.481       | 743           | 747         | 765          | rBV      | 1772074        | 1909648       | 59.09%          | 8.411%        |
| 4         | 6.610       | 765           | 769         | 779          | rVB      | 2267168        | 2066641       | 63.95%          | 9.103%        |
| 5         | 6.834       | 803           | 807         | 816          | rBV      | 658359         | 660187        | 20.43%          | 2.908%        |
| 6         | 6.987       | 829           | 833         | 853          | rBV      | 1731967        | 1647036       | 50.97%          | 7.255%        |
| 7         | 7.398       | 898           | 903         | 923          | rBV      | 1058226        | 1253111       | 38.78%          | 5.520%        |
| 8         | 8.116       | 1020          | 1025        | 1047         | rBV      | 830630         | 893585        | 27.65%          | 3.936%        |
| 9         | 9.186       | 1201          | 1207        | 1224         | rBV      | 2563454        | 2794443       | 86.47%          | 12.309%       |
| 10        | 9.875       | 1318          | 1324        | 1341         | rBB      | 1089982        | 1125252       | 34.82%          | 4.956%        |
| 11        | 10.669      | 1455          | 1459        | 1489         | rBV      | 1782316        | 1797206       | 55.61%          | 7.916%        |
| 12        | 11.363      | 1573          | 1577        | 1595         | rVB      | 1206690        | 1238794       | 38.33%          | 5.457%        |
| 13        | 12.945      | 1841          | 1846        | 1850         | rBV      | 3457883        | 3231552       | 100.00%         | 14.234%       |
| 14        | 14.016      | 2024          | 2028        | 2037         | rBV      | 1113378        | 1118551       | 34.61%          | 4.927%        |
| 15        | 14.451      | 2099          | 2102        | 2107         | rBV2     | 33448          | 37231         | 1.15%           | 0.164%        |
| 16        | 14.757      | 2151          | 2154        | 2162         | rVB      | 50275          | 48761         | 1.51%           | 0.215%        |
| 17        | 15.086      | 2207          | 2210        | 2214         | rVB      | 48323          | 59301         | 1.84%           | 0.261%        |
| 18        | 15.498      | 2275          | 2280        | 2297         | rVB      | 575087         | 888824        | 27.50%          | 3.915%        |
| 19        | 15.892      | 2344          | 2347        | 2353         | rVB2     | 43038          | 55532         | 1.72%           | 0.245%        |

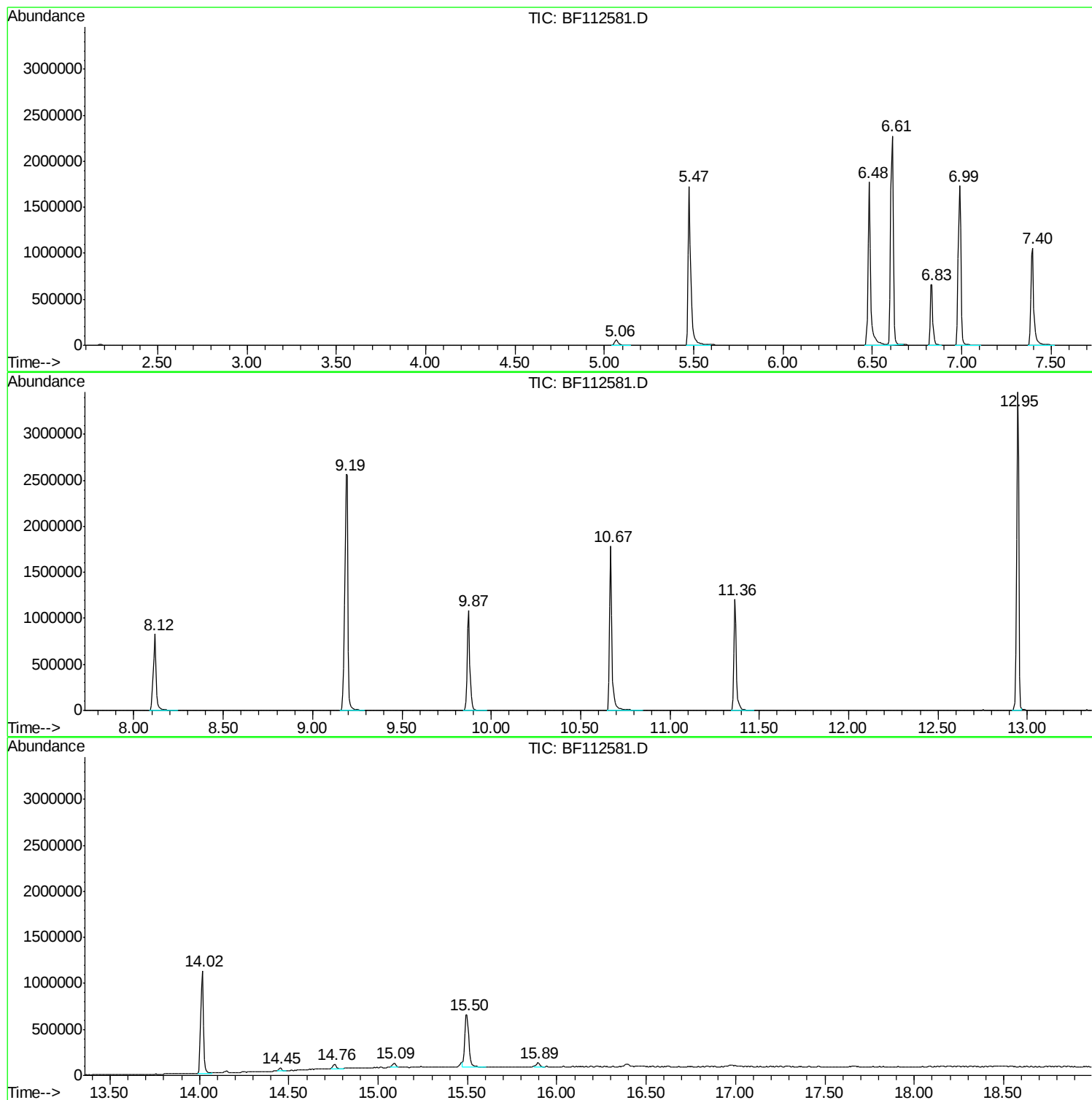
Sum of corrected areas: 22702953

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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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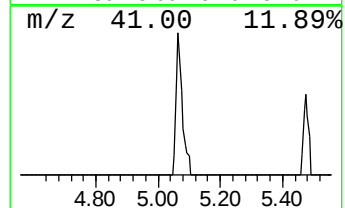
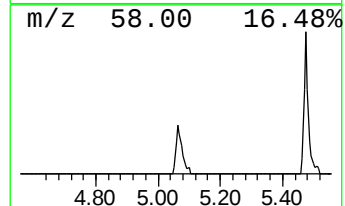
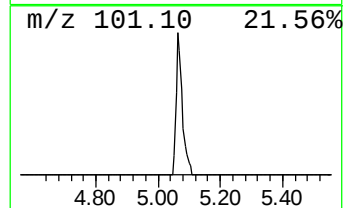
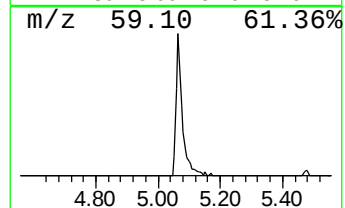
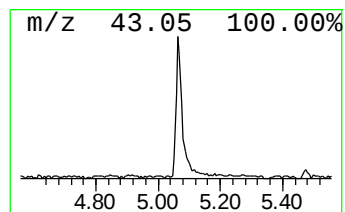
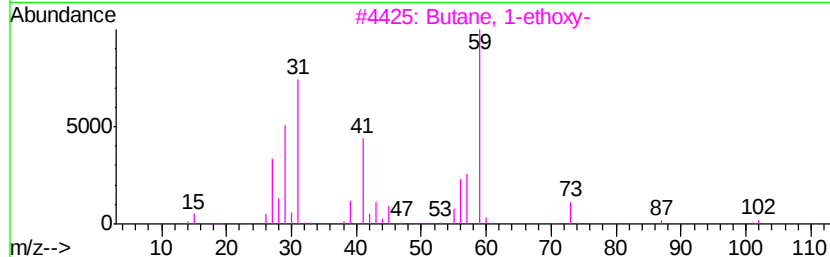
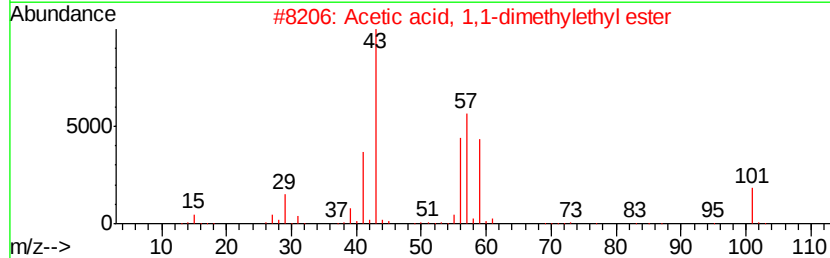
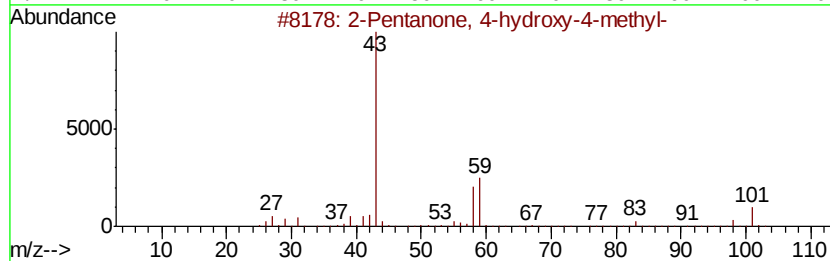
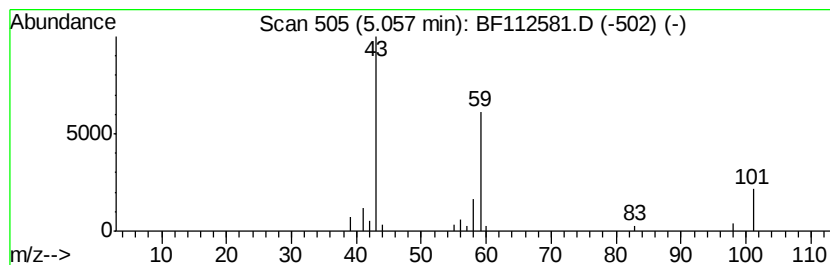
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 5.06 | 2.46 ng | 81118 | 1,4-Dichlorobenzene-d4 | 6.83 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 56   |
| 2    |    |   | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 39   |
| 3    |    |   | Butane, 1-ethoxy-                   | 102 | C6H14O  | 000628-81-9 | 9    |
| 4    |    |   | Butane                              | 58  | C4H10   | 000106-97-8 | 9    |
| 5    |    |   | Morpholine, 4-methyl-               | 101 | C5H11NO | 000109-02-4 | 9    |



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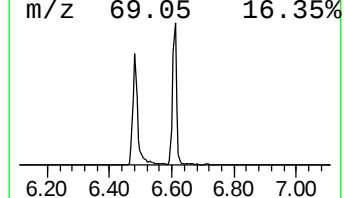
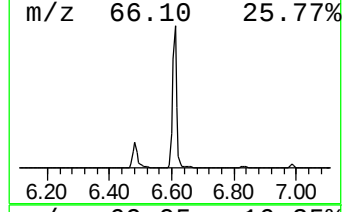
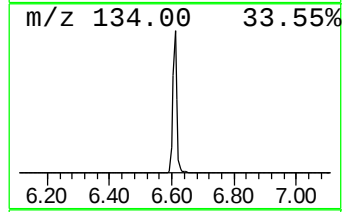
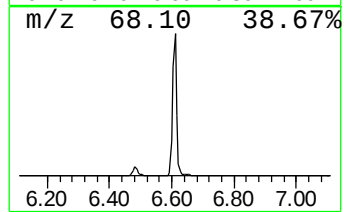
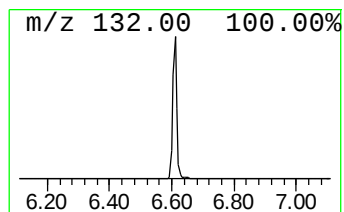
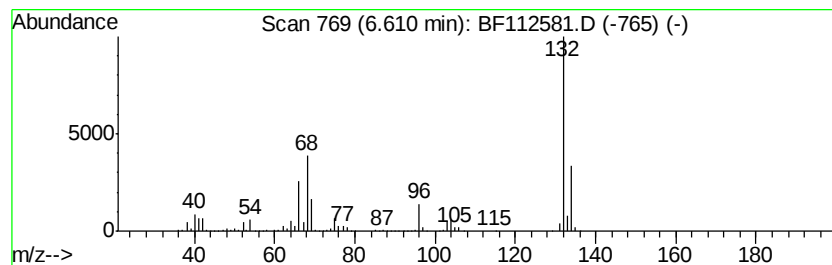
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Peak Number 2 unknown6.61 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.61 | 62.61 ng | 2066640 | 1,4-Dichlorobenzene-d4 | 6.83 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 16   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3  | 12   |
| 3    |    | Tranvlcyproline-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 12   |
| 4    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 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... | 5.06 | 2.5     | ng    | 81118    | 1                     | 6.83 | 660187 | 20.0 |
| unknown6.61          | 6.61 | 62.6    | ng    | 2066640  | 1                     | 6.83 | 660187 | 20.0 |