

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF041717\  
 Data File : BF094452.D  
 Acq On : 17 Apr 2017 16:33  
 Operator : SJ/MA  
 Sample : PB98268BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB98268BL

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-BF041717.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         | 3.910       | 340           | 344         | 354          | rVB      | 437668         | 589674        | 12.92%          | 1.675%        |
| 2         | 4.316       | 408           | 413         | 416          | rBV      | 3534499        | 3689308       | 80.84%          | 10.477%       |
| 3         | 5.392       | 589           | 596         | 599          | rBV      | 3053019        | 3711163       | 81.32%          | 10.539%       |
| 4         | 5.510       | 611           | 616         | 620          | rBV      | 3334418        | 3820442       | 83.71%          | 10.849%       |
| 5         | 5.757       | 654           | 658         | 662          | rBV      | 1013497        | 876405        | 19.20%          | 2.489%        |
| 6         | 5.939       | 683           | 689         | 692          | rBV      | 2887417        | 3018438       | 66.14%          | 8.572%        |
| 7         | 6.410       | 762           | 769         | 772          | rBV      | 2091582        | 2444475       | 53.56%          | 6.942%        |
| 8         | 7.257       | 907           | 913         | 917          | rBV      | 1151095        | 1191229       | 26.10%          | 3.383%        |
| 9         | 8.586       | 1131          | 1139        | 1142         | rBV      | 3673343        | 4563633       | 100.00%         | 12.960%       |
| 10        | 9.392       | 1269          | 1276        | 1281         | rBV2     | 1256239        | 1327053       | 29.08%          | 3.769%        |
| 11        | 10.369      | 1435          | 1442        | 1446         | rBV      | 1910739        | 2078181       | 45.54%          | 5.902%        |
| 12        | 11.216      | 1578          | 1586        | 1589         | rBV      | 1243216        | 1328486       | 29.11%          | 3.773%        |
| 13        | 13.198      | 1914          | 1923        | 1926         | rBV2     | 3400727        | 4311961       | 94.49%          | 12.245%       |
| 14        | 14.462      | 2131          | 2138        | 2143         | rBV      | 1121264        | 1265942       | 27.74%          | 3.595%        |
| 15        | 16.080      | 2408          | 2413        | 2423         | rVB      | 880806         | 996753        | 21.84%          | 2.831%        |

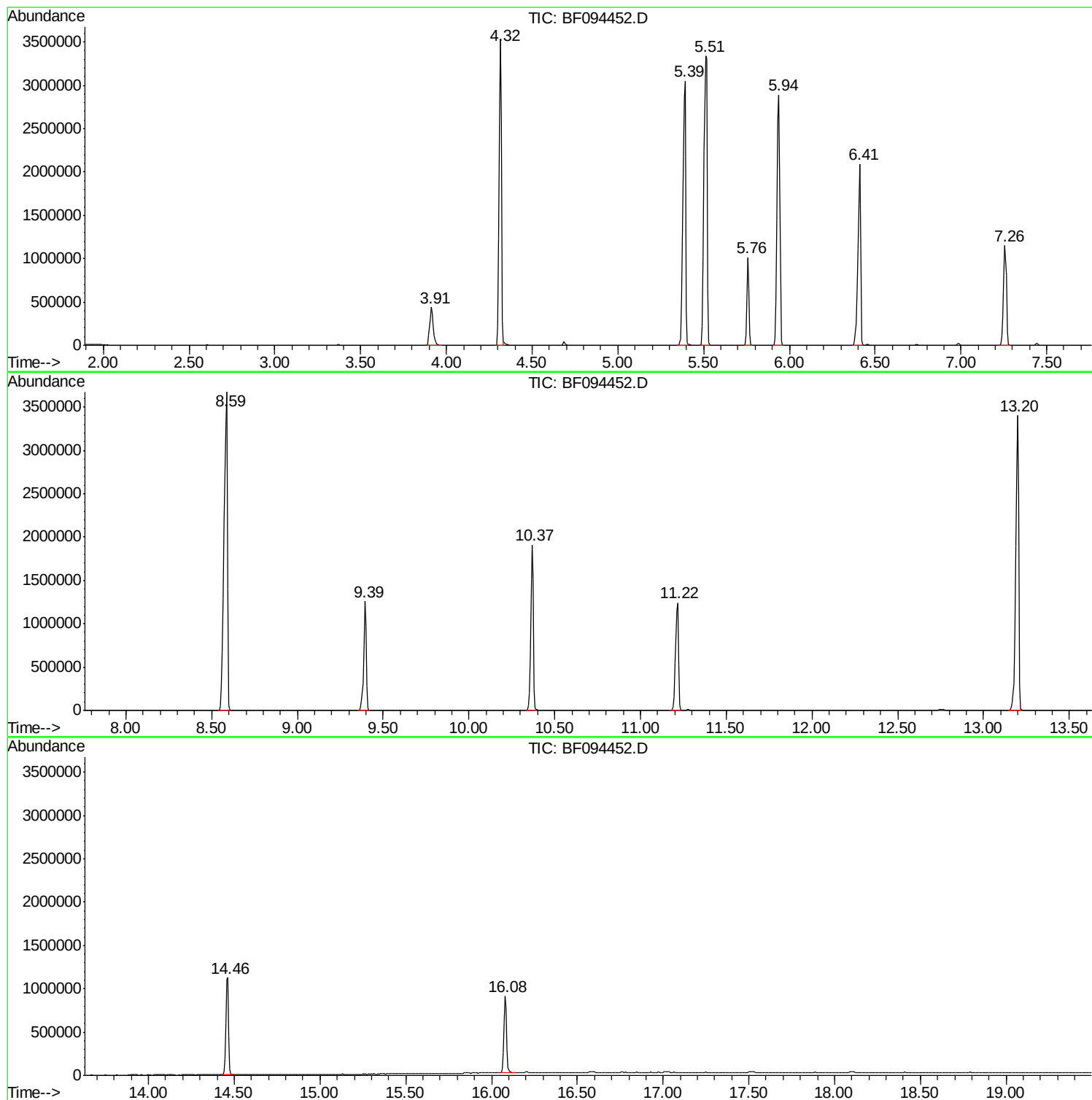
Sum of corrected areas: 35213143

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



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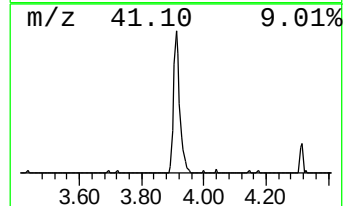
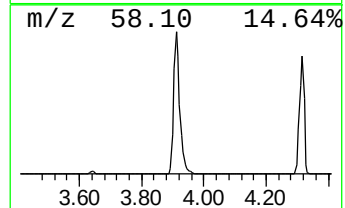
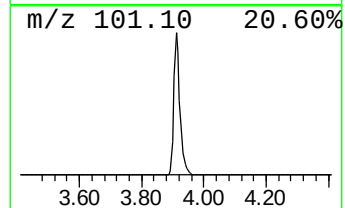
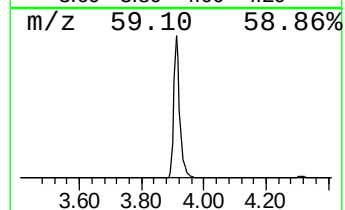
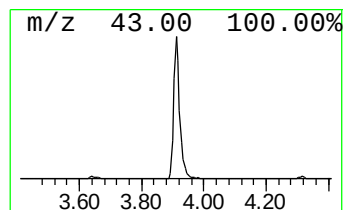
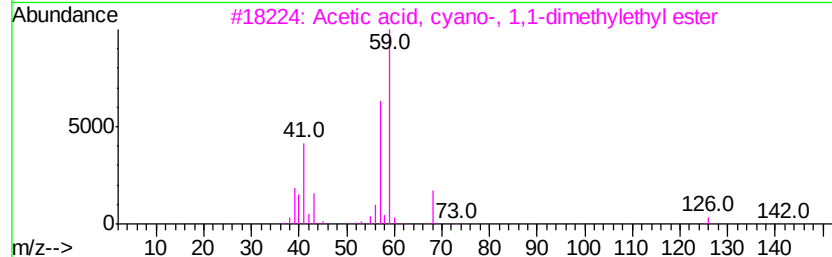
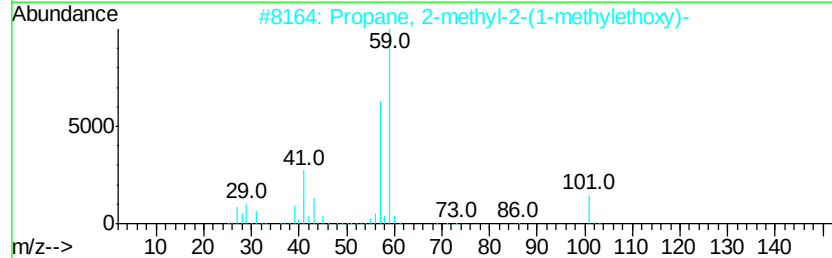
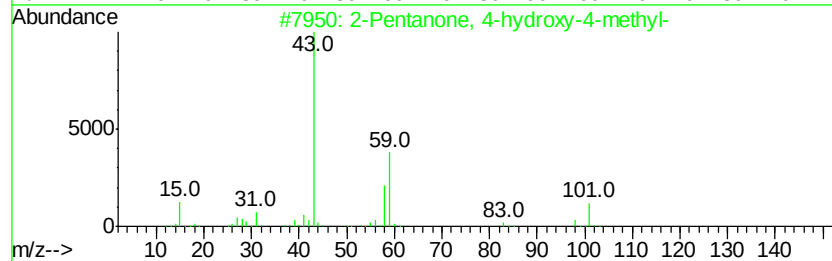
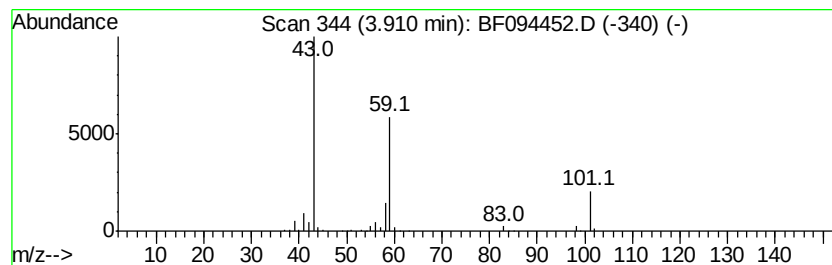
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M  
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TIC Integration Parameters: LSCINT.P

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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. |
|------|----------|--------|------------------------|------|
| 3.91 | 13.46 ng | 589674 | 1,4-Dichlorobenzene-d4 | 5.76 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|---|--------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-     | 116 | C6H12O2  | 000123-42-2 | 56   |
| 2    |    |   | Propane, 2-methyl-2-(1-methyleth...  | 116 | C7H16O   | 017348-59-3 | 53   |
| 3    |    |   | Acetic acid, cyano-, 1,1-dimethyl... | 141 | C7H11NO2 | 001116-98-9 | 17   |
| 4    |    |   | Morpholine, 4-methyl-                | 101 | C5H11NO  | 000109-02-4 | 9    |
| 5    |    |   | 2,3-Butanedione, monooxime           | 101 | C4H7NO2  | 000057-71-6 | 9    |



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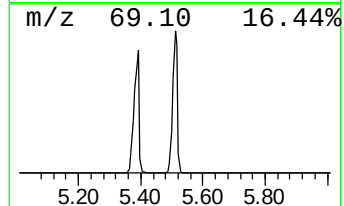
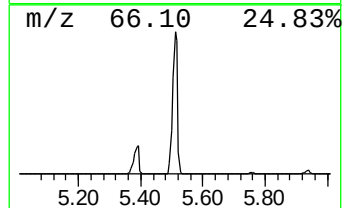
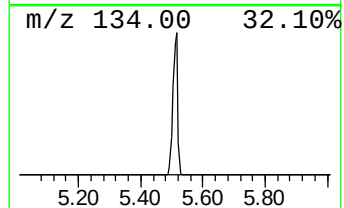
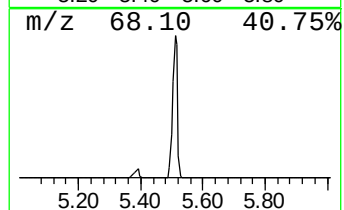
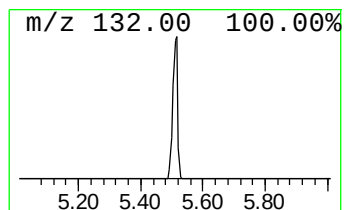
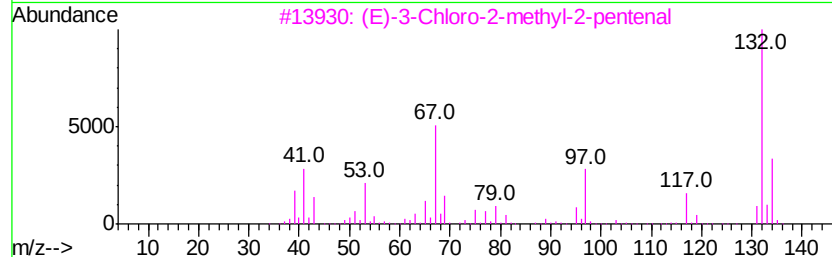
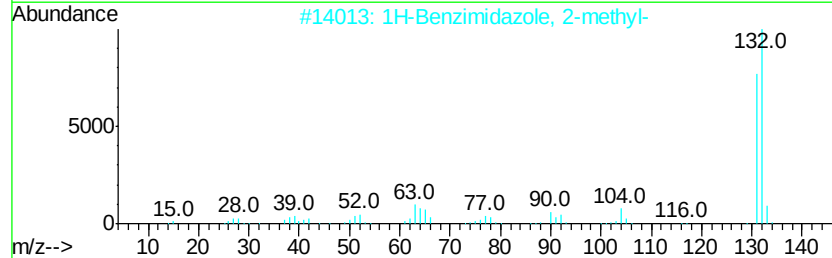
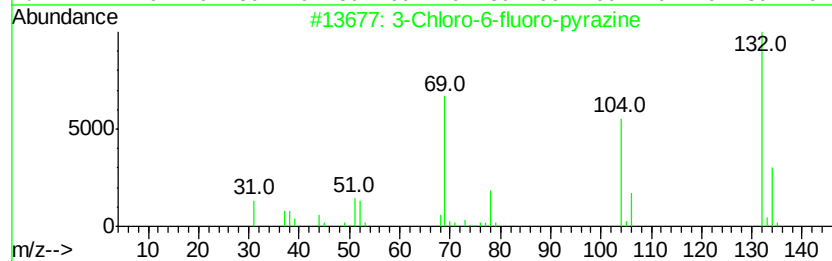
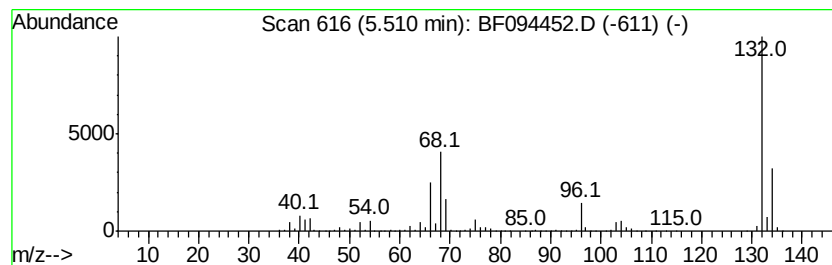
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Peak Number 2 unknown5.51 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 5.51 | 87.18 ng | 3820440 | 1,4-Dichlorobenzene-d4 | 5.76 |

| Hit# | of                               | 5   | Tentative ID | MW           | MolForm | CAS# | Qual |
|------|----------------------------------|-----|--------------|--------------|---------|------|------|
| 1    | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2    | 1000146-10-7 | 27      |      |      |
| 2    | 1H-Benzimidazole, 2-methyl-      | 132 | C8H8N2       | 000615-15-6  | 10      |      |      |
| 3    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO      | 031357-76-3  | 9       |      |      |
| 4    | 4-Chloro-2-fluoro-pyrimidine     | 132 | C4H2ClFN2    | 051422-00-5  | 9       |      |      |
| 5    | 1-Methylpyrrolo[1,2-a]pyrazine   | 132 | C8H8N2       | 064608-59-9  | 9       |      |      |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| 2-Pentanone, 4-hy... | 3.91 | 13.5    | ng    | 589674   | 1                     | 5.76 | 876405 | 20.0 |
| unknown5.51          | 5.51 | 87.2    | ng    | 3820440  | 1                     | 5.76 | 876405 | 20.0 |