

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF122716\  
 Data File : BF091974.D  
 Acq On : 27 Dec 2016 18:15  
 Operator : UM/SJ  
 Sample : H6241-04  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-4

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-BF122116.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         | 2.270       | 14            | 16          | 29           | rVB      | 105912         | 191418        | 1.97%           | 0.307%        |
| 2         | 4.876       | 241           | 244         | 256          | rVB      | 759097         | 985915        | 10.17%          | 1.582%        |
| 3         | 5.344       | 283           | 285         | 288          | rBV      | 3029887        | 3495849       | 36.05%          | 5.610%        |
| 4         | 6.396       | 375           | 377         | 384          | rBV      | 1927833        | 2287516       | 23.59%          | 3.671%        |
| 5         | 6.510       | 384           | 387         | 389          | rBV      | 6225533        | 6518707       | 67.23%          | 10.460%       |
| 6         | 6.727       | 404           | 406         | 408          | rBV      | 1867910        | 1651418       | 17.03%          | 2.650%        |
| 7         | 6.887       | 417           | 420         | 422          | rBV      | 5622387        | 5915790       | 61.01%          | 9.493%        |
| 8         | 7.299       | 453           | 456         | 459          | rBV      | 4368284        | 4771524       | 49.21%          | 7.657%        |
| 9         | 8.019       | 516           | 519         | 521          | rBV      | 2590637        | 2653703       | 27.37%          | 4.258%        |
| 10        | 9.105       | 610           | 614         | 616          | rBV      | 6491468        | 9696367       | 100.00%         | 15.559%       |
| 11        | 9.493       | 646           | 648         | 650          | rVB      | 592990         | 471186        | 4.86%           | 0.756%        |
| 12        | 9.768       | 669           | 672         | 675          | rBV      | 3193920        | 2847890       | 29.37%          | 4.570%        |
| 13        | 10.213      | 707           | 711         | 712          | rBV2     | 74847          | 158124        | 1.63%           | 0.254%        |
| 14        | 10.568      | 739           | 742         | 744          | rBV      | 4248136        | 5408056       | 55.77%          | 8.678%        |
| 15        | 10.682      | 750           | 752         | 757          | rVB      | 147284         | 170179        | 1.76%           | 0.273%        |
| 16        | 11.128      | 789           | 791         | 793          | rBV      | 112932         | 110332        | 1.14%           | 0.177%        |
| 17        | 11.253      | 799           | 802         | 804          | rBV      | 2892030        | 2755292       | 28.42%          | 4.421%        |
| 18        | 12.842      | 938           | 941         | 944          | rBV      | 6351207        | 7787231       | 80.31%          | 12.496%       |
| 19        | 13.882      | 1030          | 1032        | 1035         | rBV      | 1801928        | 2305592       | 23.78%          | 3.700%        |
| 20        | 15.288      | 1152          | 1155        | 1157         | rBV      | 1460998        | 1808609       | 18.65%          | 2.902%        |
| 21        | 15.722      | 1190          | 1193        | 1197         | rVB      | 60038          | 101416        | 1.05%           | 0.163%        |
| 22        | 16.180      | 1229          | 1233        | 1238         | rVB      | 64880          | 127355        | 1.31%           | 0.204%        |
| 23        | 16.705      | 1276          | 1279        | 1283         | rVB      | 49613          | 99715         | 1.03%           | 0.160%        |

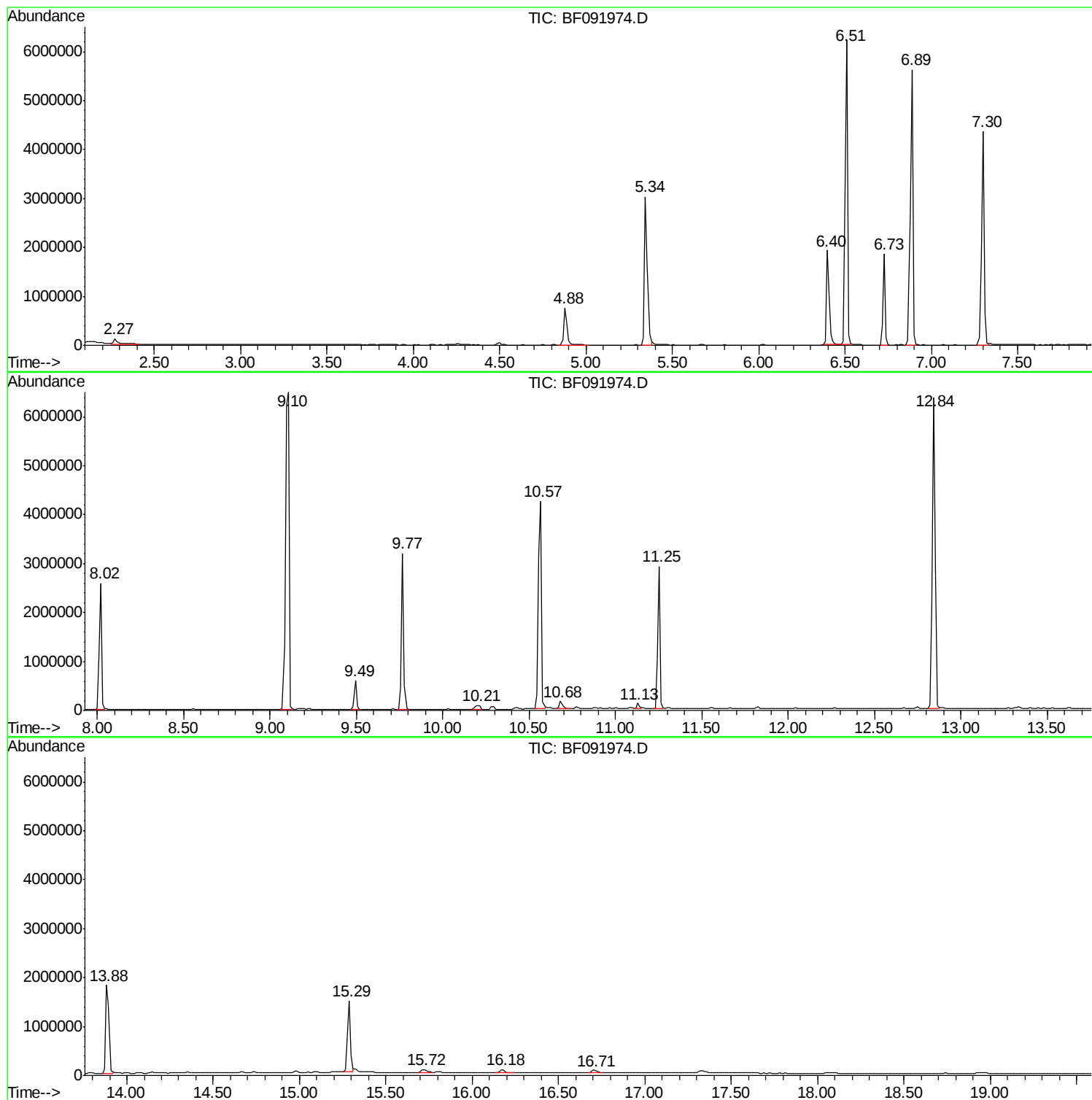
Sum of corrected areas: 62319184

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BNA\_F  
ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF122116.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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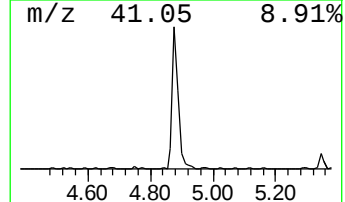
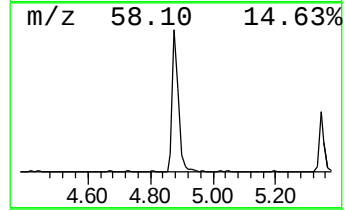
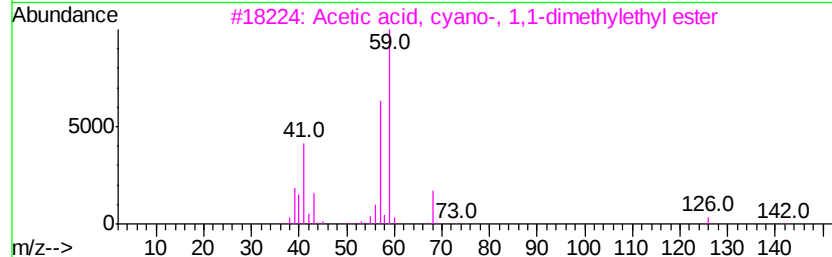
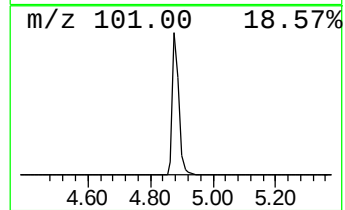
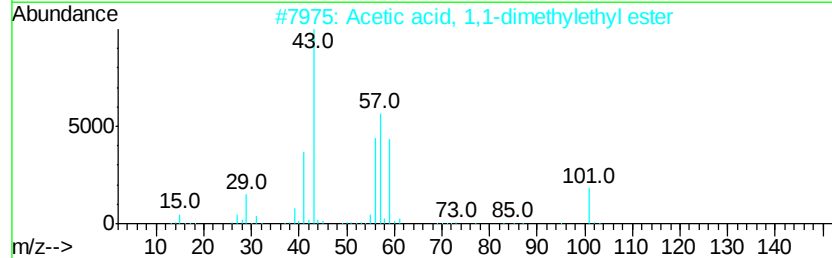
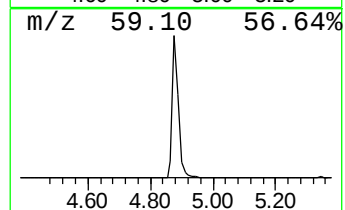
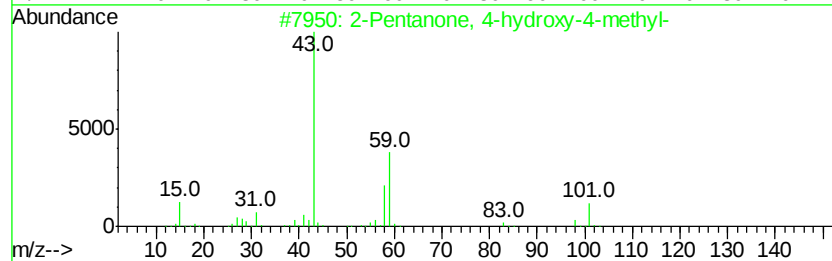
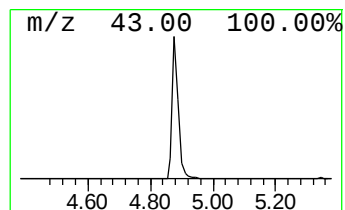
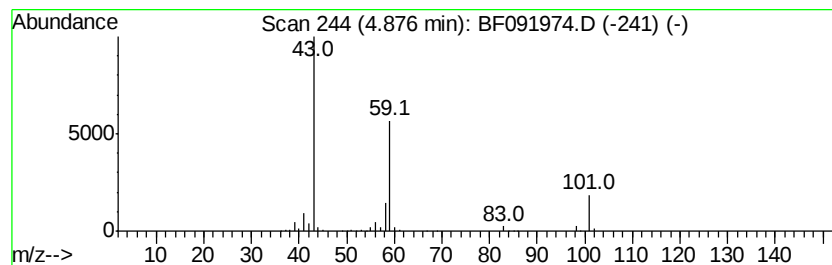
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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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. |
|------|----------|--------|------------------------|------|
| 4.88 | 11.94 ng | 985915 | 1,4-Dichlorobenzene-d4 | 6.73 |

| 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 | 39   |
| 3    |    |   | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 23   |
| 4    |    |   | 1-Propen-2-ol, acetate              | 100 | C5H8O2   | 000108-22-5 | 10   |
| 5    |    |   | 2,3-Butanedione, monooxime          | 101 | C4H7NO2  | 000057-71-6 | 9    |



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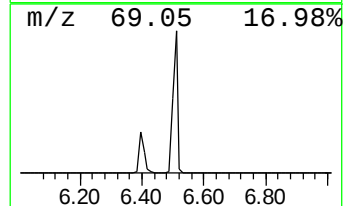
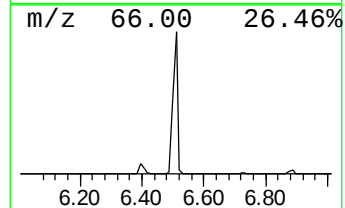
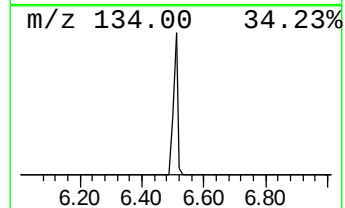
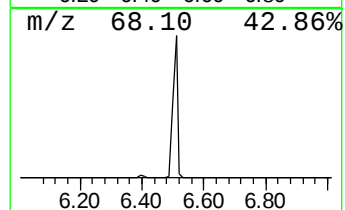
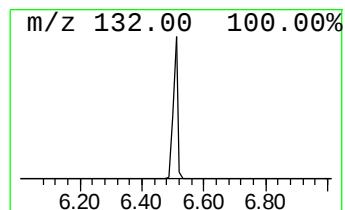
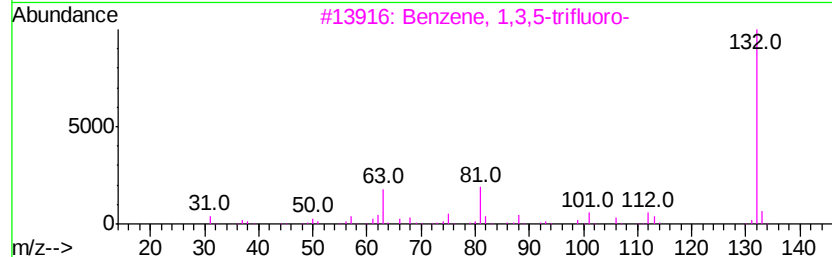
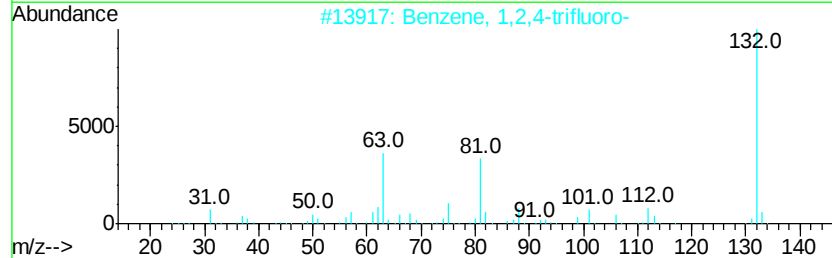
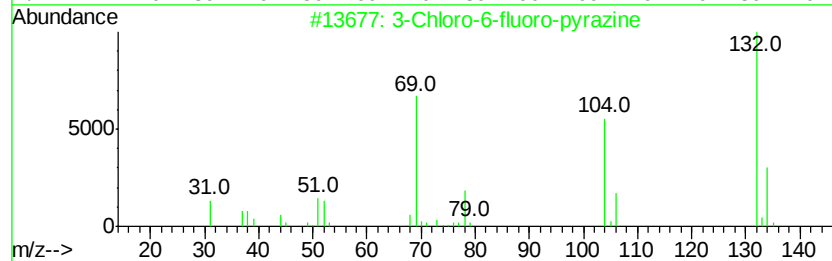
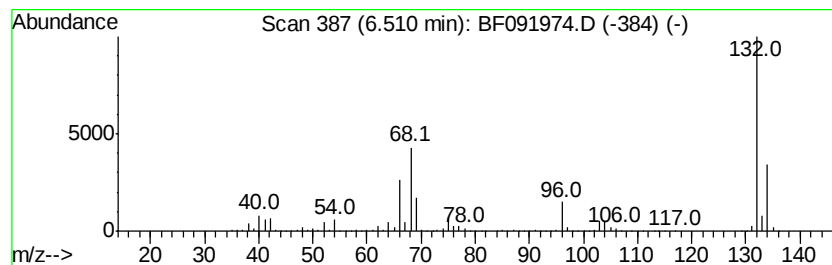
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Peak Number 2 unknown6.51 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.51 | 78.95 ng | 6518710 | 1,4-Dichlorobenzene-d4 | 6.73 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | Benzene, 1,2,4-trifluoro-           | 132 | C6H3F3    | 000367-23-7  | 9    |
| 3    |    | Benzene, 1,3,5-trifluoro-           | 132 | C6H3F3    | 000372-38-3  | 9    |
| 4    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |
| 5    |    | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2    | 022291-85-6  | 9    |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |         |      |
|----------------------|------|---------|-------|----------|-----------------------|------|---------|------|
|                      |      |         |       |          | #                     | RT   | Resp    | Conc |
| 2-Pentanone, 4-hy... | 4.88 | 11.9    | ng    | 985915   | 1                     | 6.73 | 1651420 | 20.0 |
| unknown6.51          | 6.51 | 79.0    | ng    | 6518710  | 1                     | 6.73 | 1651420 | 20.0 |