

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102716\  
 Data File : BF090877.D  
 Acq On : 27 Oct 2016 20:09  
 Operator : UM/SJ  
 Sample : H5423-11  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-6COMP(0-16FEET)

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-BF102616.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         | 4.933       | 247           | 249         | 259          | rBV      | 581092         | 777982        | 17.31%          | 2.391%        |
| 2         | 5.367       | 284           | 287         | 289          | rBV      | 3355380        | 3376647       | 75.12%          | 10.379%       |
| 3         | 6.407       | 375           | 378         | 381          | rBV      | 2213341        | 2600296       | 57.85%          | 7.992%        |
| 4         | 6.533       | 387           | 389         | 392          | rBV      | 2285207        | 3087483       | 68.68%          | 9.490%        |
| 5         | 6.773       | 408           | 410         | 421          | rBV      | 682612         | 754999        | 16.80%          | 2.321%        |
| 6         | 6.922       | 421           | 423         | 426          | rBV      | 1849570        | 2463302       | 54.80%          | 7.571%        |
| 7         | 7.333       | 457           | 459         | 462          | rBV      | 1429976        | 1676372       | 37.29%          | 5.153%        |
| 8         | 7.436       | 467           | 468         | 475          | rVB      | 24283          | 53220         | 1.18%           | 0.164%        |
| 9         | 8.053       | 520           | 522         | 525          | rBV      | 771221         | 1010400       | 22.48%          | 3.106%        |
| 10        | 9.139       | 614           | 617         | 619          | rBV      | 4109657        | 3856840       | 85.80%          | 11.854%       |
| 11        | 9.539       | 649           | 652         | 654          | rBV      | 510464         | 710133        | 15.80%          | 2.183%        |
| 12        | 9.813       | 673           | 676         | 678          | rBV      | 1424457        | 1356854       | 30.18%          | 4.170%        |
| 13        | 10.248      | 710           | 714         | 716          | rBV2     | 30122          | 48434         | 1.08%           | 0.149%        |
| 14        | 10.602      | 742           | 745         | 747          | rBV      | 2581001        | 2631242       | 58.54%          | 8.087%        |
| 15        | 10.728      | 753           | 756         | 762          | rVB      | 83978          | 127566        | 2.84%           | 0.392%        |
| 16        | 11.288      | 803           | 805         | 808          | rBV      | 918179         | 1282990       | 28.54%          | 3.943%        |
| 17        | 11.528      | 824           | 826         | 831          | rBV2     | 25874          | 48449         | 1.08%           | 0.149%        |
| 18        | 12.888      | 942           | 945         | 947          | rBV      | 4113472        | 4495138       | 100.00%         | 13.816%       |
| 19        | 13.791      | 1021          | 1024        | 1031         | rBV      | 62406          | 110061        | 2.45%           | 0.338%        |
| 20        | 13.928      | 1034          | 1036        | 1046         | rVV      | 1286333        | 1244860       | 27.69%          | 3.826%        |
| 21        | 15.334      | 1156          | 1159        | 1162         | rBV      | 676989         | 821584        | 18.28%          | 2.525%        |

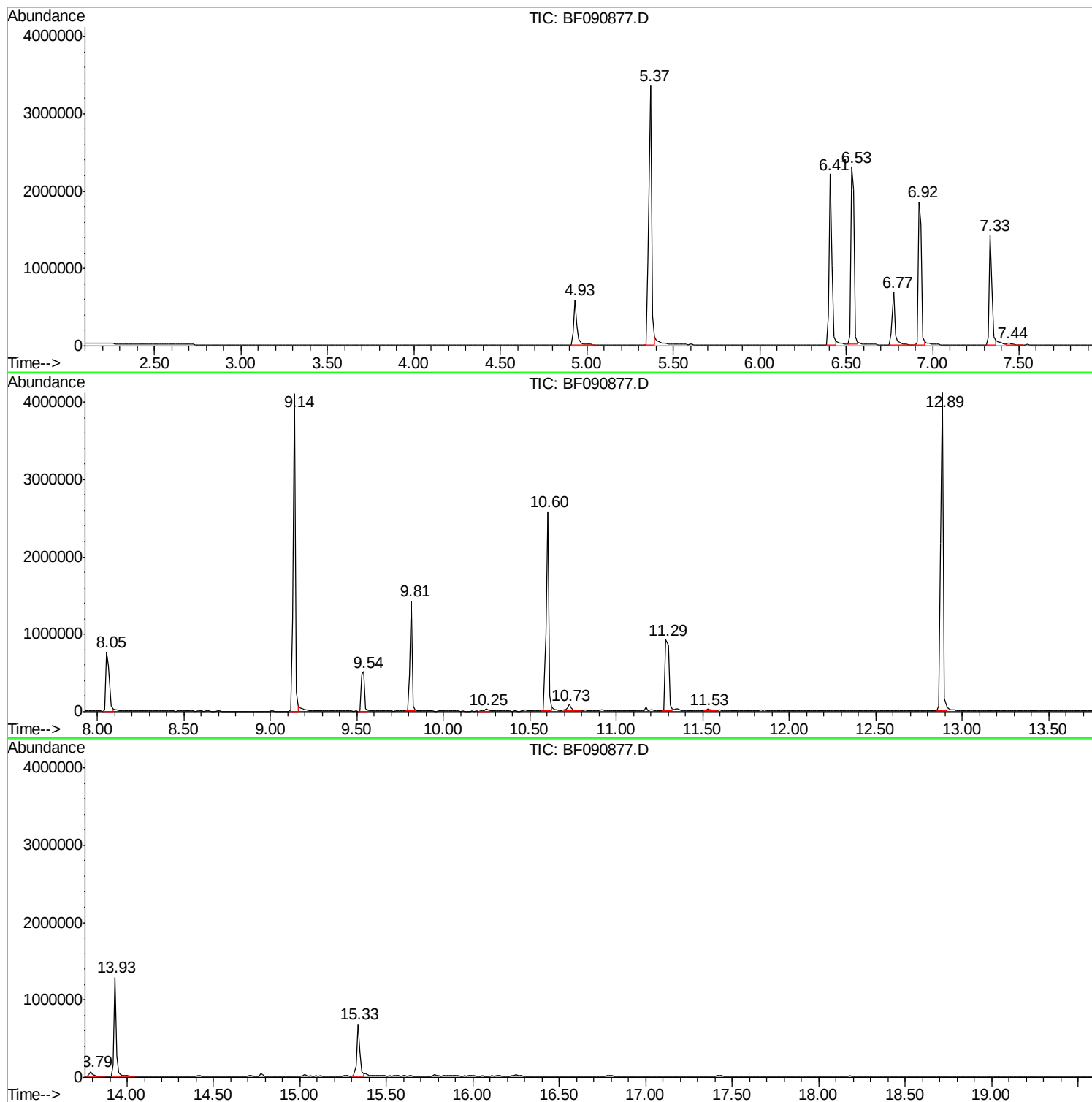
Sum of corrected areas: 32534852

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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF102616.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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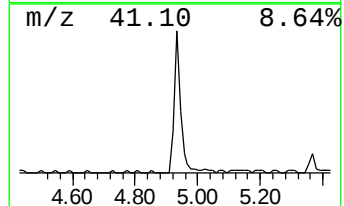
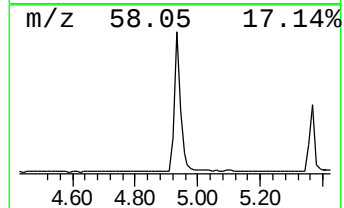
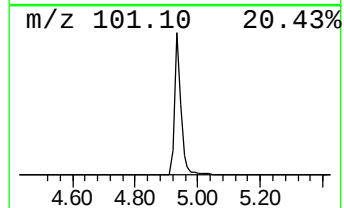
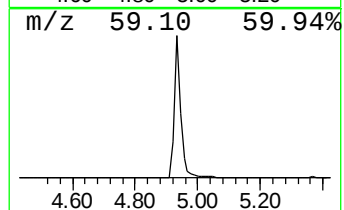
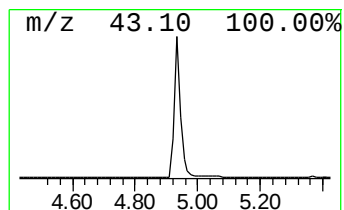
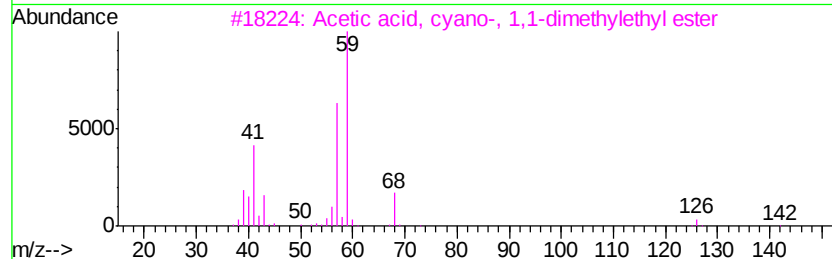
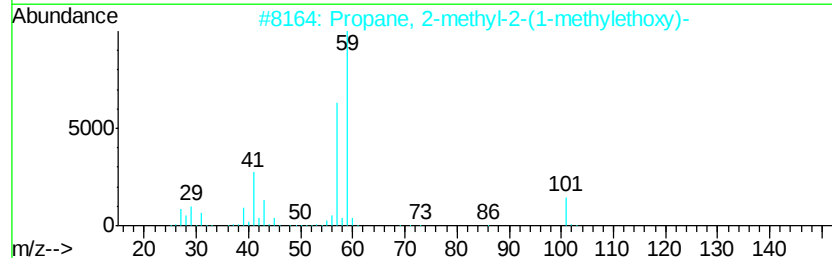
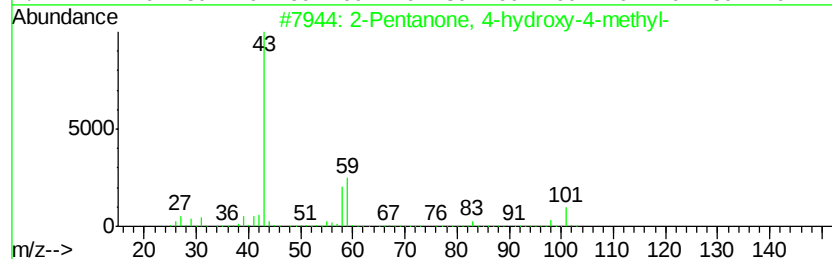
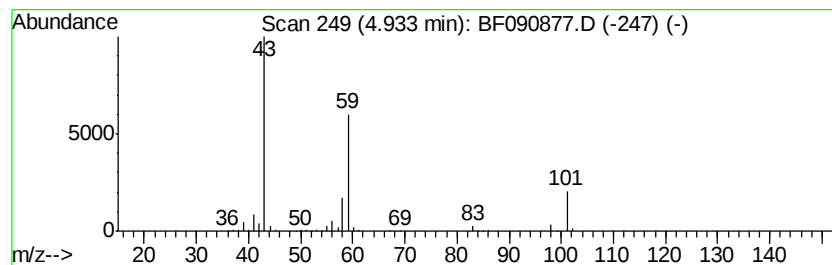
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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 4.93 | 20.61 ng | 777982 | 1,4-Dichlorobenzene-d4 | 6.77 |

| Hit# | of | Tentative ID                          | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-      | 116 | C6H12O2  | 000123-42-2 | 64   |
| 2    |    | Propane, 2-methyl-2-(1-methylethoxy)- | 116 | C7H16O   | 017348-59-3 | 23   |
| 3    |    | Acetic acid, cyano-, 1,1-dimethyl-    | 141 | C7H11NO2 | 001116-98-9 | 23   |
| 4    |    | Acetone                               | 58  | C3H6O    | 000067-64-1 | 9    |
| 5    |    | Morpholine, 4-methyl-                 | 101 | C5H11NO  | 000109-02-4 | 9    |



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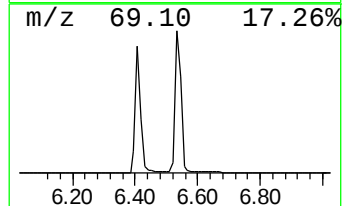
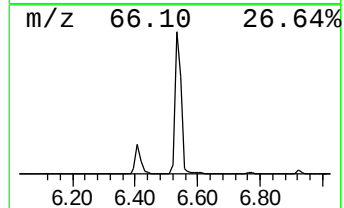
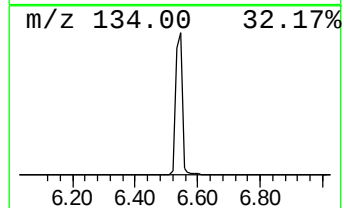
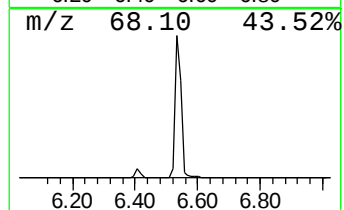
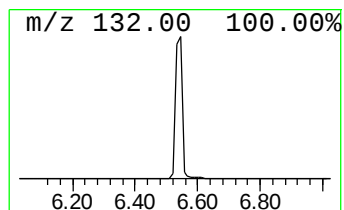
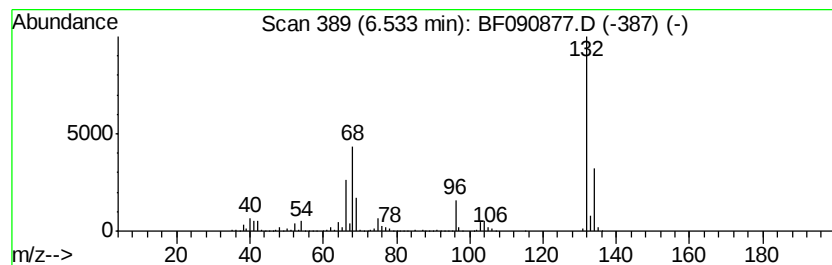
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Peak Number 2 unknown6.53 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.53 | 81.79 ng | 3087480 | 1,4-Dichlorobenzene-d4 | 6.77 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm   | CAS#         | Qual |
|------|----|---|--------------------------------|-----|-----------|--------------|------|
| 1    |    |   | 3-Chloro-6-fluoro-pyrazine     | 132 | C4H2ClFN2 | 1000146-10-7 | 16   |
| 2    |    |   | 5-Aminoindole                  | 132 | C8H8N2    | 005192-03-0  | 12   |
| 3    |    |   | Tranvlcyproline-propionyl      | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 4    |    |   | 5-Fluoro-2-chloropyrimidine    | 132 | C4H2ClFN2 | 062802-42-0  | 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... | 4.93 | 20.6    | ng    | 777982   | 1                       | 6.77 | 754999 | 20.0 |
| unknown6.53          | 6.53 | 81.8    | ng    | 3087480  | 1                       | 6.77 | 754999 | 20.0 |