

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102817\  
 Data File : BG030537.D  
 Acq On : 28 Oct 2017 21:21  
 Operator : SJ/JU  
 Sample : I6071-08  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 ENV-116-5(45-50)

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-BG101617.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         | 5.245       | 325           | 333         | 344          | rVB      | 201305         | 313418        | 7.02%           | 1.249%        |
| 2         | 5.715       | 406           | 413         | 424          | rBV      | 1111358        | 1821269       | 40.80%          | 7.257%        |
| 3         | 7.319       | 678           | 686         | 700          | rBV      | 1127868        | 1993227       | 44.66%          | 7.942%        |
| 4         | 7.695       | 742           | 750         | 761          | rBV      | 1117036        | 1927313       | 43.18%          | 7.679%        |
| 5         | 8.165       | 822           | 830         | 837          | rBV      | 211829         | 361044        | 8.09%           | 1.439%        |
| 6         | 8.494       | 877           | 886         | 893          | rBV      | 808007         | 1431853       | 32.08%          | 5.705%        |
| 7         | 9.328       | 1019          | 1028        | 1038         | rBV      | 654711         | 1165360       | 26.11%          | 4.643%        |
| 8         | 10.979      | 1299          | 1309        | 1323         | rVB      | 292065         | 529298        | 11.86%          | 2.109%        |
| 9         | 13.412      | 1715          | 1723        | 1733         | rBV      | 1762719        | 2865966       | 64.21%          | 11.420%       |
| 10        | 14.223      | 1852          | 1861        | 1867         | rBV      | 236292         | 338093        | 7.57%           | 1.347%        |
| 11        | 14.781      | 1949          | 1956        | 1968         | rVB2     | 482339         | 808636        | 18.12%          | 3.222%        |
| 12        | 16.261      | 2200          | 2208        | 2219         | rBV      | 1764866        | 2739913       | 61.38%          | 10.917%       |
| 13        | 17.519      | 2414          | 2422        | 2430         | rBV2     | 708826         | 1091384       | 24.45%          | 4.349%        |
| 14        | 20.110      | 2857          | 2863        | 2871         | rBV      | 3363742        | 4463570       | 100.00%         | 17.785%       |
| 15        | 21.790      | 3142          | 3149        | 3159         | rVB2     | 778118         | 1301523       | 29.16%          | 5.186%        |
| 16        | 22.977      | 3344          | 3351        | 3359         | rBV2     | 393953         | 692714        | 15.52%          | 2.760%        |
| 17        | 25.098      | 3702          | 3712        | 3725         | rVB2     | 427788         | 1252503       | 28.06%          | 4.991%        |

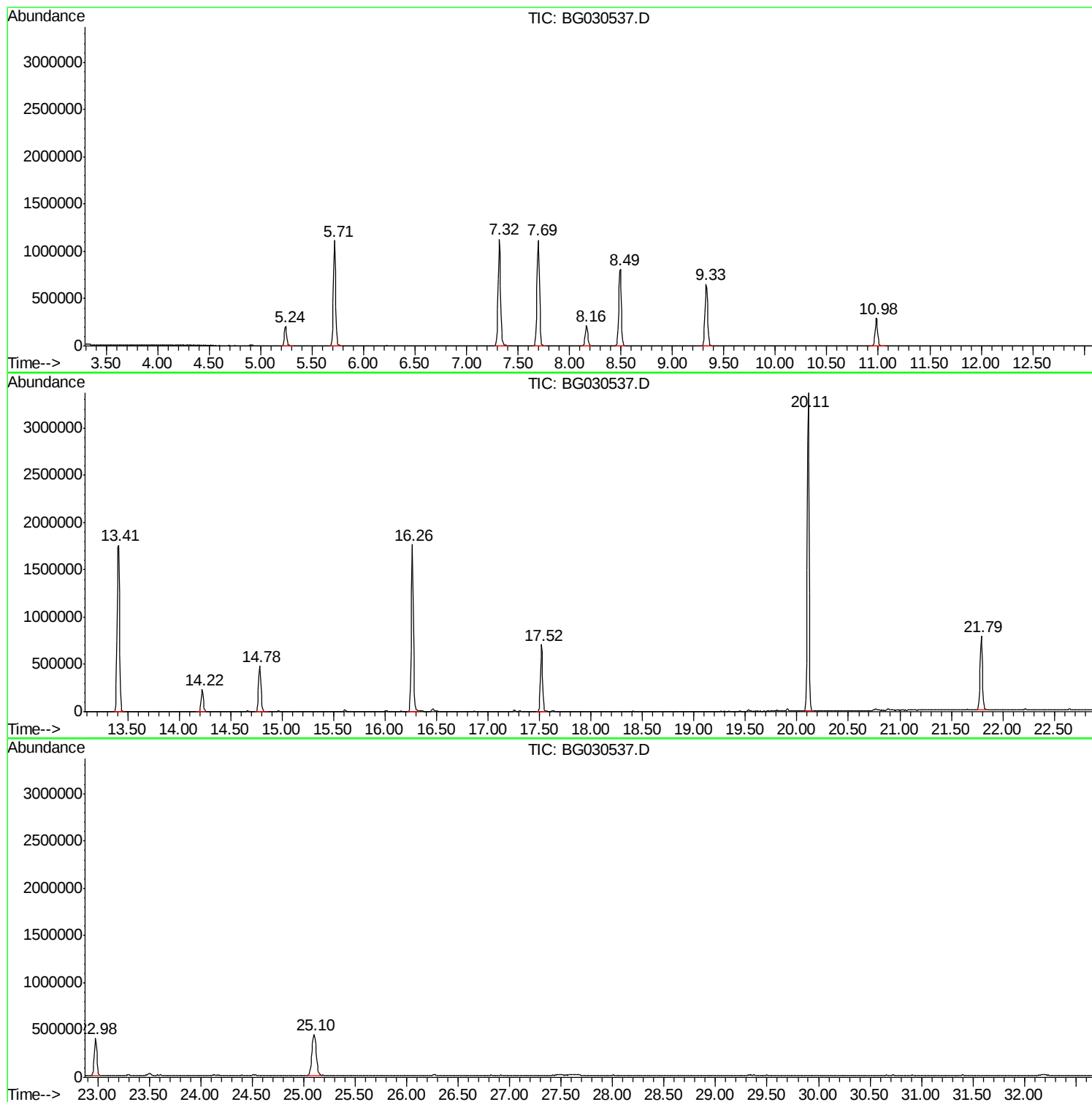
Sum of corrected areas: 25097084

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



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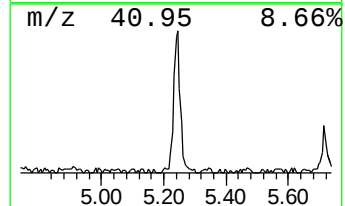
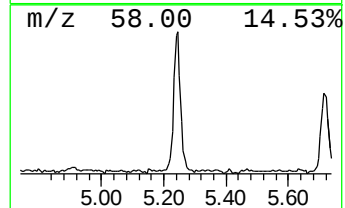
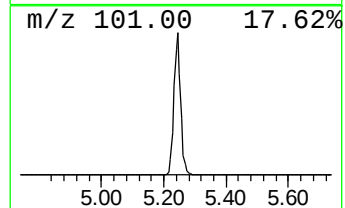
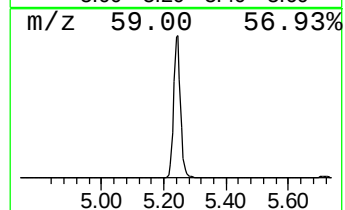
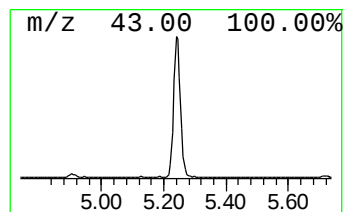
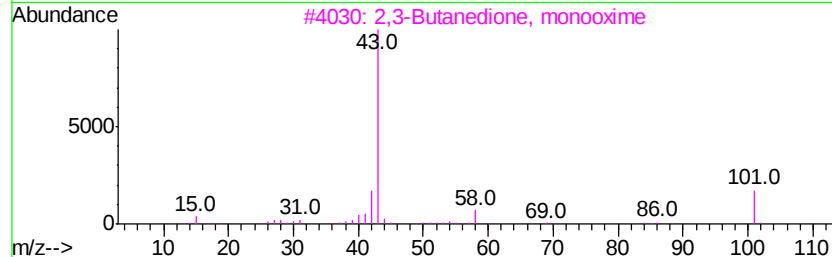
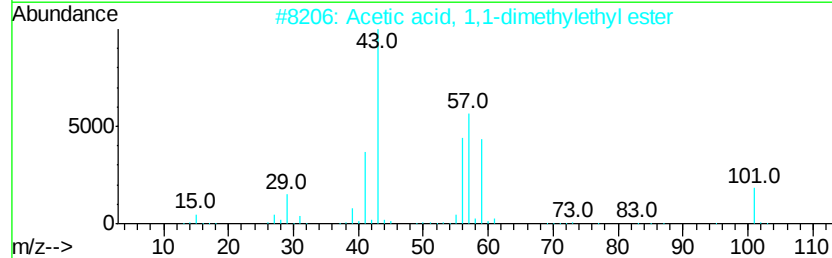
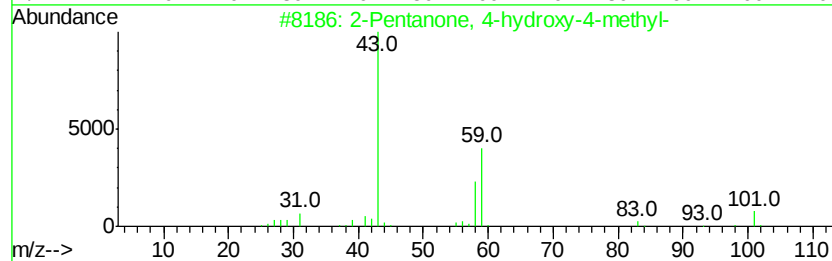
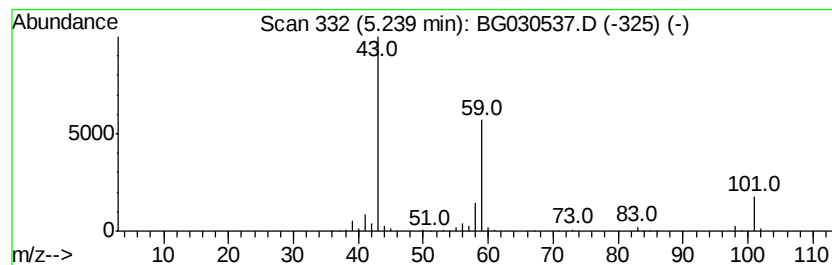
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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 5.24 | 17.36 ng | 313418 | 1,4-Dichlorobenzene-d4 | 8.16 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 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    |    | 2,3-Butanedione, monooxime          | 101 | C4H7NO2 | 000057-71-6 | 25   |
| 4    |    | Formamide, N,N-diethyl-             | 101 | C5H11NO | 000617-84-5 | 9    |
| 5    |    | 2-Hexanol, 2-methyl-                | 116 | C7H16O  | 000625-23-0 | 9    |



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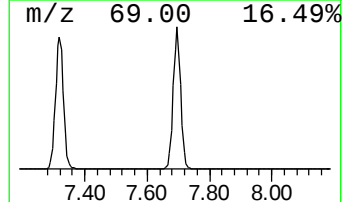
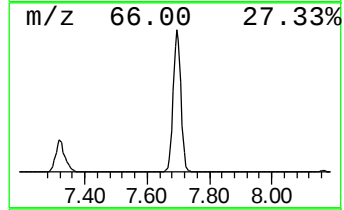
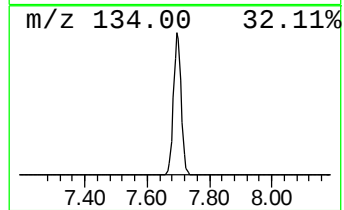
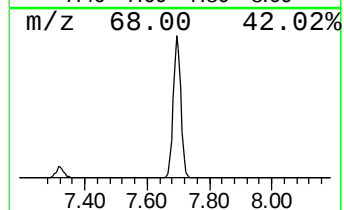
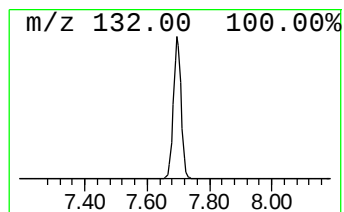
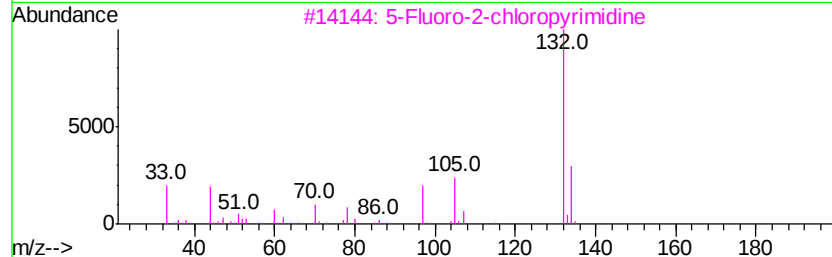
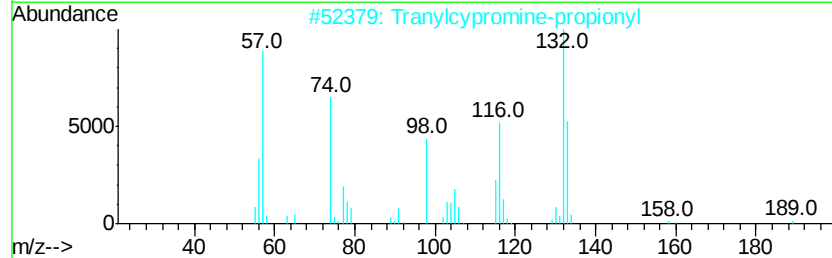
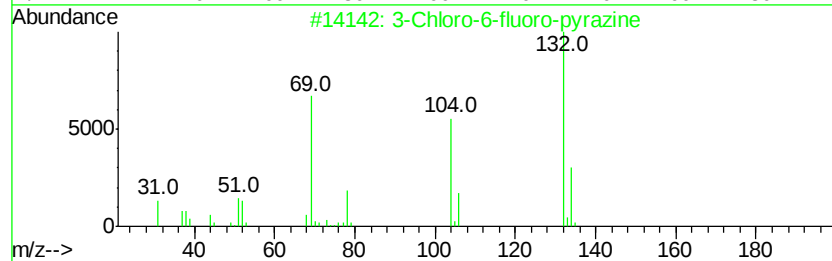
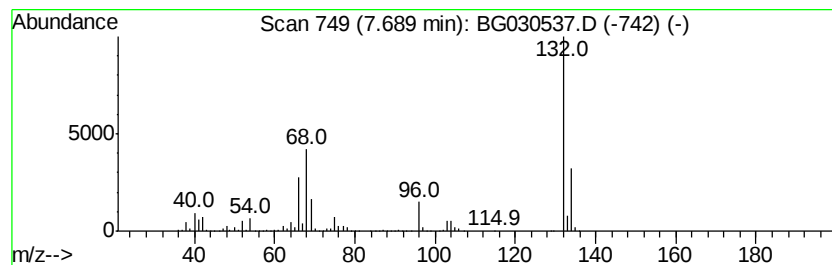
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Peak Number 2 unknown7.69 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 7.69 | 106.76 ng | 1927310 | 1,4-Dichlorobenzene-d4 | 8.16 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | Tranylcypromine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 3    |    | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0  | 9    |
| 4    |    | 1,3,4-Thiadiazole-2(3H)-thione, ... | 132 | C3H4N2S2  | 029490-19-5  | 9    |
| 5    |    | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3  | 9    |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| 2-Pentanone, 4-hy... | 5.24 | 17.4    | ng    | 313418   | 1                     | 8.16 | 361044 | 20.0 |
| unknown7.69          | 7.69 | 106.8   | ng    | 1927310  | 1                     | 8.16 | 361044 | 20.0 |