

Data Path : V:\HPCHEM1\BNA G\DATA\BG070916\  
 Data File : BG022960.D  
 Acq On : 9 Jul 2016 11:25  
 Operator : UM/SJ  
 Sample : H3934-20  
 Misc :  
 ALS Vial : 55 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 FB-070616

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-BG070816.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         | 5.224       | 399           | 406         | 412          | rBV2     | 71708          | 114968        | 1.08%           | 0.256%        |
| 2         | 5.699       | 480           | 487         | 498          | rVB      | 990752         | 1609124       | 15.05%          | 3.579%        |
| 3         | 7.303       | 752           | 760         | 768          | rBV      | 750705         | 1277667       | 11.95%          | 2.842%        |
| 4         | 7.679       | 817           | 824         | 834          | rBV      | 1752340        | 3047906       | 28.50%          | 6.779%        |
| 5         | 8.150       | 898           | 904         | 915          | rVB      | 333006         | 600074        | 5.61%           | 1.335%        |
| 6         | 8.479       | 951           | 960         | 967          | rBV      | 1489128        | 2619034       | 24.49%          | 5.825%        |
| 7         | 9.325       | 1095          | 1104        | 1113         | rBV      | 1439663        | 2584009       | 24.16%          | 5.747%        |
| 8         | 10.982      | 1379          | 1386        | 1395         | rVB      | 511511         | 948470        | 8.87%           | 2.110%        |
| 9         | 13.414      | 1789          | 1800        | 1810         | rBV      | 4380317        | 6742238       | 63.05%          | 14.996%       |
| 10        | 14.795      | 2026          | 2035        | 2044         | rBV3     | 1068720        | 1897621       | 17.74%          | 4.221%        |
| 11        | 16.287      | 2282          | 2289        | 2298         | rBV      | 3877388        | 6198439       | 57.96%          | 13.787%       |
| 12        | 17.550      | 2497          | 2504        | 2513         | rBV      | 1355310        | 2031020       | 18.99%          | 4.517%        |
| 13        | 20.153      | 2940          | 2947        | 2953         | rBV      | 8241182        | 10693985      | 100.00%         | 23.786%       |
| 14        | 21.845      | 3228          | 3235        | 3244         | rVB2     | 1388516        | 2389102       | 22.34%          | 5.314%        |
| 15        | 25.206      | 3797          | 3807        | 3819         | rVB      | 718681         | 2205807       | 20.63%          | 4.906%        |

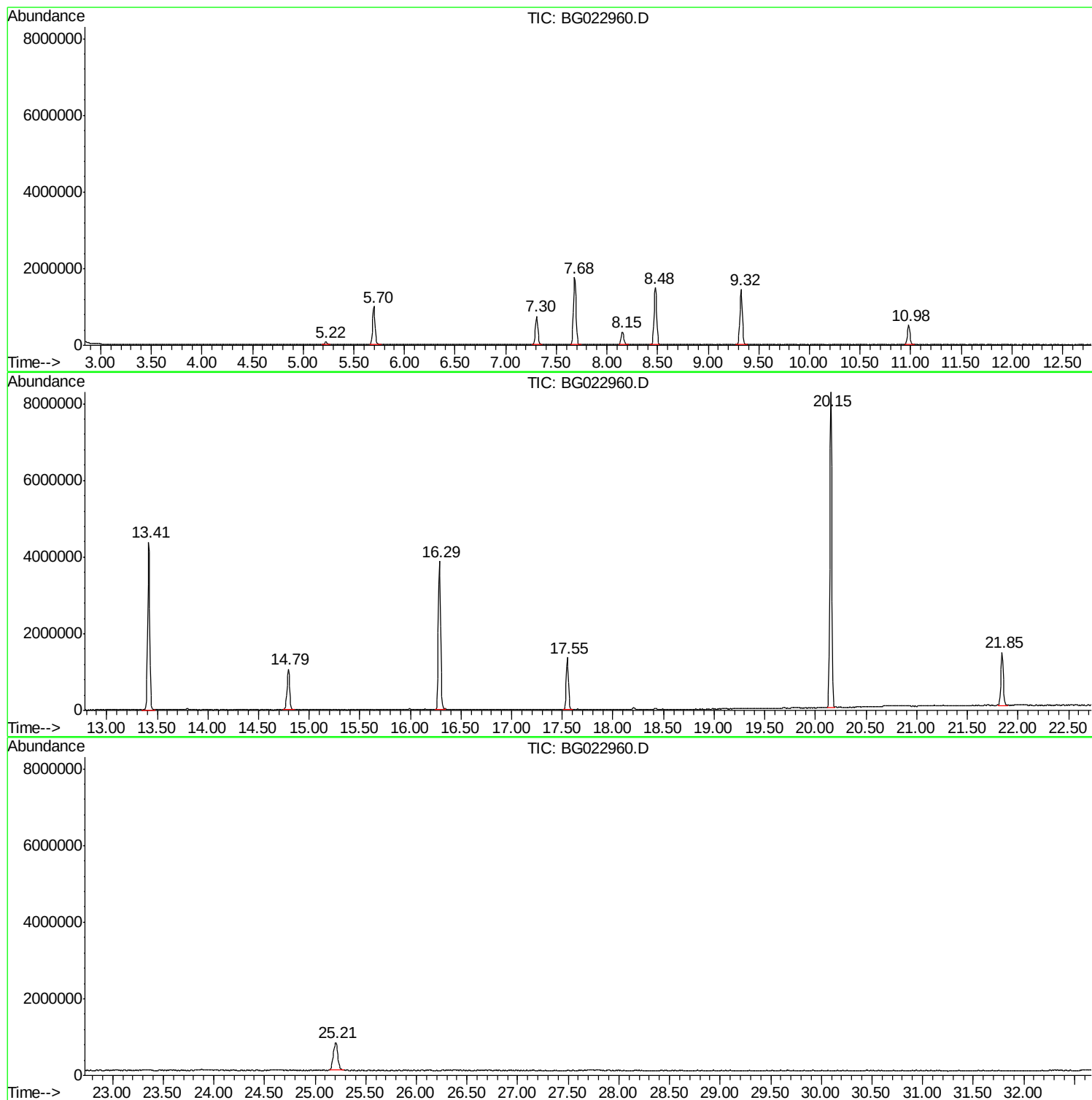
Sum of corrected areas: 44959464

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG070816.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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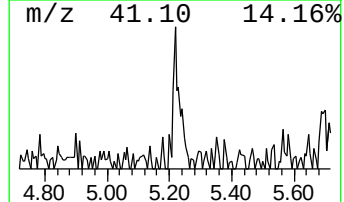
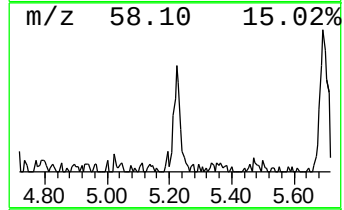
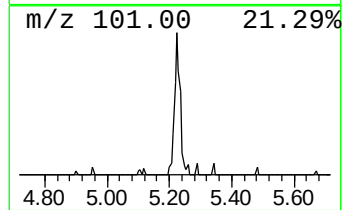
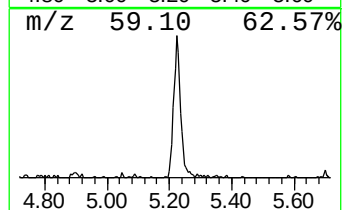
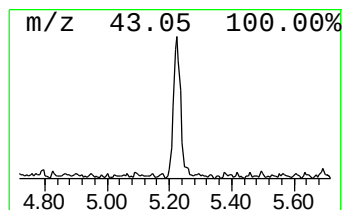
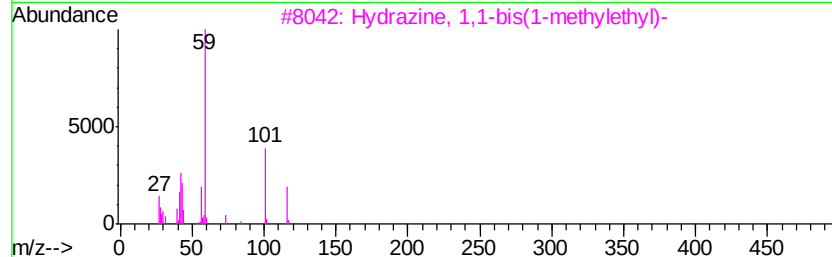
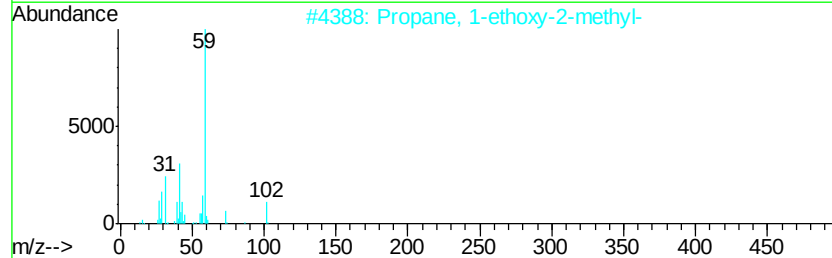
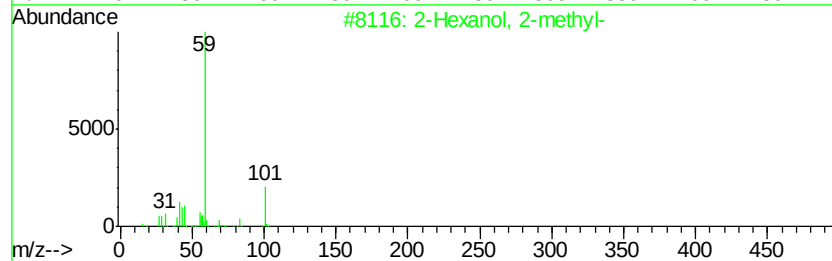
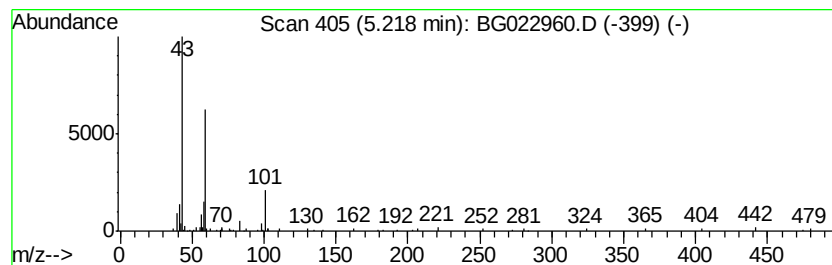
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TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 2-Hexanol, 2-methyl- Concentration Rank 3

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 5.22 | 3.83 ng | 114968 | 1,4-Dichlorobenzene-d4 | 8.16 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm  | CAS#        | Qual |
|------|----|---|------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Hexanol, 2-methyl-               | 116 | C7H16O   | 000625-23-0 | 53   |
| 2    |    |   | Propane, 1-ethoxy-2-methyl-        | 102 | C6H14O   | 000627-02-1 | 43   |
| 3    |    |   | Hydrazine, 1,1-bis(1-methylethyl)- | 116 | C6H16N2  | 000921-14-2 | 38   |
| 4    |    |   | 1,8-Nonanediol, 8-methyl-          | 174 | C10H22O2 | 054725-73-4 | 38   |
| 5    |    |   | 2-Octanol, 2-methyl-               | 144 | C9H20O   | 000628-44-4 | 37   |



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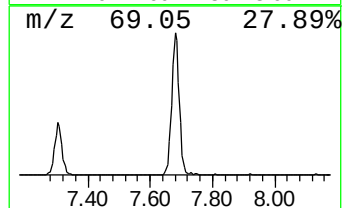
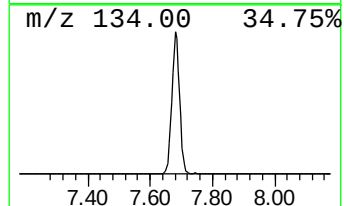
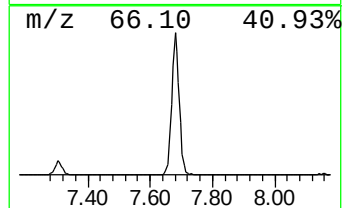
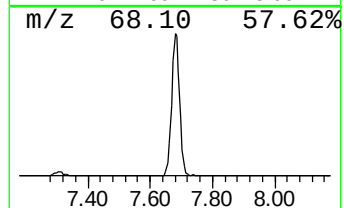
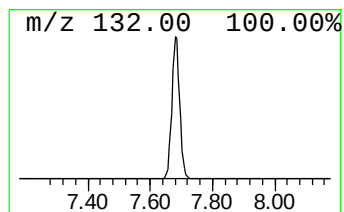
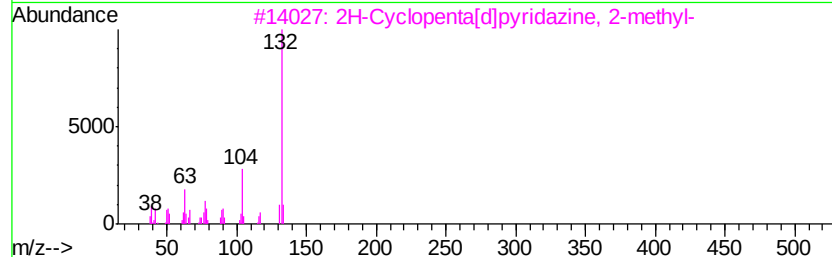
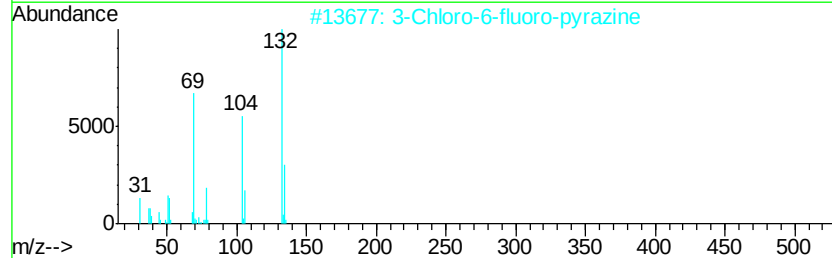
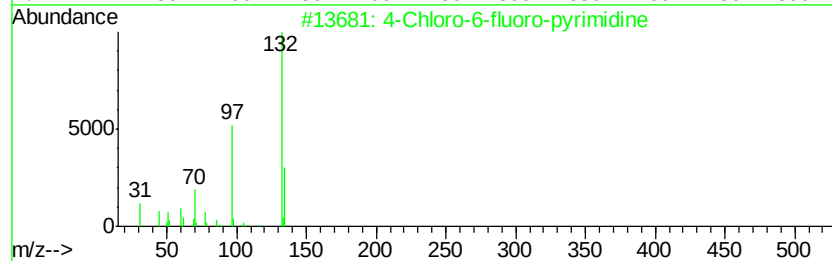
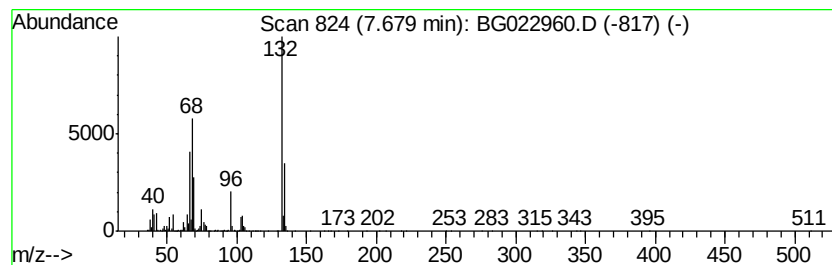
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Peak Number 2 unknown7.68 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 7.68 | 101.58 ng | 3047910 | 1,4-Dichlorobenzene-d4 | 8.16 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 4-Chloro-6-fluoro-pyrimidine        | 132 | C4H2ClFN2 | 051422-01-6  | 14   |
| 2    |    | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 14   |
| 3    |    | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2    | 022291-85-6  | 10   |
| 4    |    | 1H-Benzimidazole, 2-methyl-         | 132 | C8H8N2    | 000615-15-6  | 10   |
| 5    |    | Benzene, 1,3,5-trifluoro-           | 132 | C6H3F3    | 000372-38-3  | 9    |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| 2-Hexanol, 2-methyl- | 5.22 | 3.8     | ng    | 114968   | 1                     | 8.16 | 600074 | 20.0 |
| unknown7.68          | 7.68 | 101.6   | ng    | 3047910  | 1                     | 8.16 | 600074 | 20.0 |