

Data Path : Z:\HPCHEM1\BNA G\DATA\BG071116\  
 Data File : BG023022.D  
 Acq On : 12 Jul 2016 5:18  
 Operator : UM/SJ  
 Sample : H3967-09  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S22-0007

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       | 401           | 406         | 414          | rVB      | 103379         | 164378        | 1.50%           | 0.342%        |
| 2         | 5.694       | 480           | 486         | 494          | rBV      | 908701         | 1512173       | 13.83%          | 3.149%        |
| 3         | 7.304       | 753           | 760         | 769          | rBV      | 663526         | 1195277       | 10.93%          | 2.489%        |
| 4         | 7.680       | 816           | 824         | 834          | rBV      | 1847906        | 3253007       | 29.75%          | 6.774%        |
| 5         | 8.150       | 899           | 904         | 913          | rVB      | 368274         | 652454        | 5.97%           | 1.359%        |
| 6         | 8.479       | 950           | 960         | 968          | rBV      | 1653336        | 2861917       | 26.17%          | 5.960%        |
| 7         | 9.325       | 1096          | 1104        | 1112         | rBV      | 1653465        | 2974877       | 27.21%          | 6.195%        |
| 8         | 10.982      | 1379          | 1386        | 1395         | rVB      | 603313         | 1109223       | 10.14%          | 2.310%        |
| 9         | 13.420      | 1790          | 1801        | 1814         | rBV      | 4852332        | 7628096       | 69.76%          | 15.886%       |
| 10        | 14.801      | 2028          | 2036        | 2045         | rBV2     | 1157928        | 1892079       | 17.30%          | 3.940%        |
| 11        | 16.293      | 2280          | 2290        | 2306         | rBV      | 4279164        | 6692292       | 61.21%          | 13.937%       |
| 12        | 17.556      | 2498          | 2505        | 2514         | rBV2     | 1482207        | 2269852       | 20.76%          | 4.727%        |
| 13        | 20.165      | 2942          | 2949        | 2954         | rBV      | 7820034        | 10934029      | 100.00%         | 22.770%       |
| 14        | 21.863      | 3232          | 3238        | 3247         | rVB2     | 1484987        | 2546648       | 23.29%          | 5.303%        |
| 15        | 25.253      | 3805          | 3815        | 3827         | rVB      | 776774         | 2332605       | 21.33%          | 4.858%        |

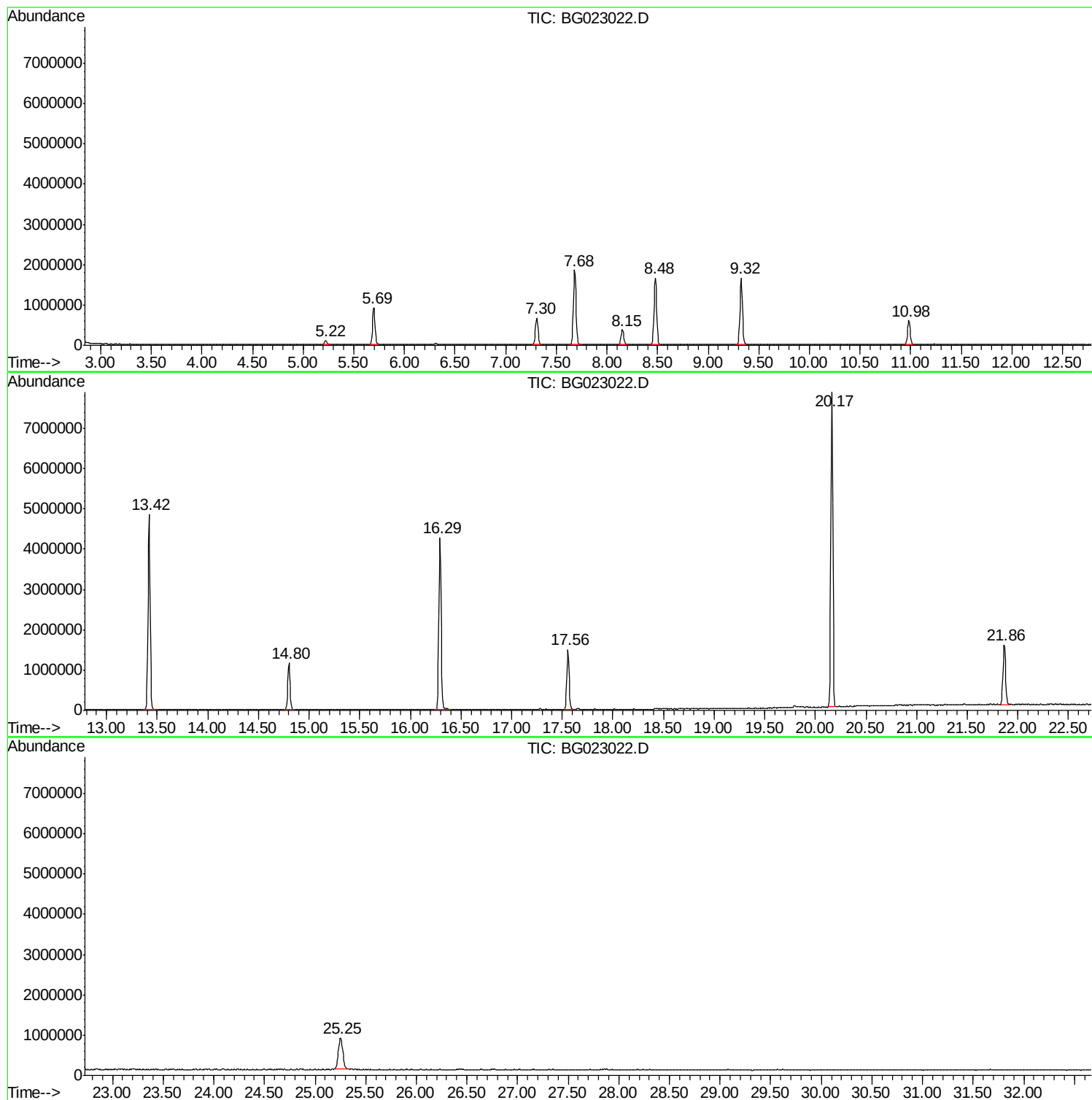
Sum of corrected areas: 48018907

Data Path : Z:\HPCHEM1\BNA G\DATA\BG071116\  
Data File : BG023022.D  
Acq On : 12 Jul 2016 5:18  
Operator : UM/SJ  
Sample : H3967-09  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
S22-0007

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG071116\  
Data File : BG023022.D  
Acq On : 12 Jul 2016 5:18  
Operator : UM/SJ  
Sample : H3967-09  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
S22-0007

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG070816.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

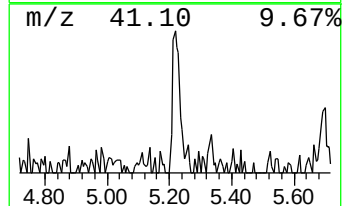
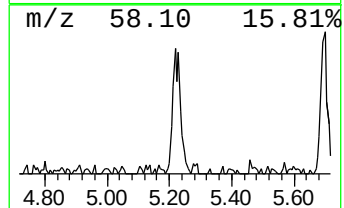
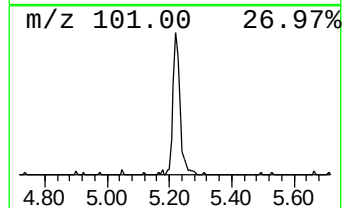
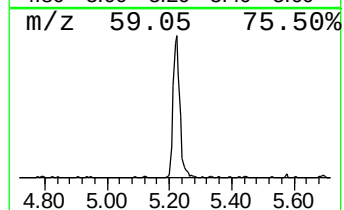
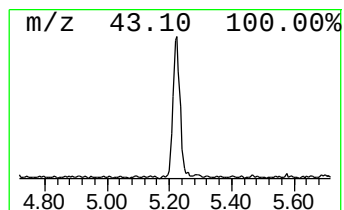
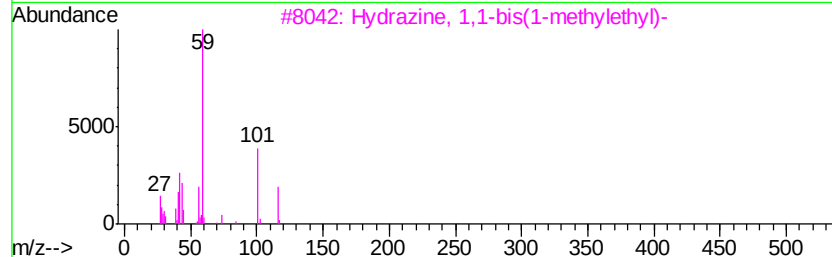
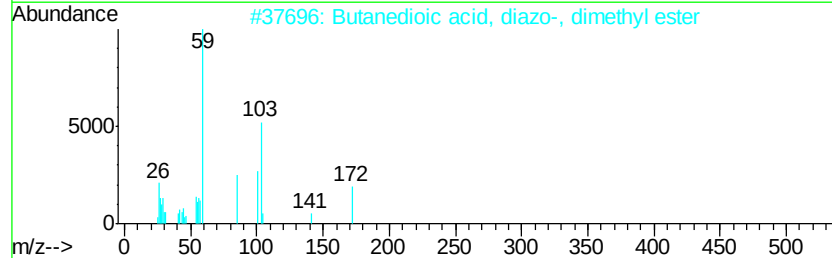
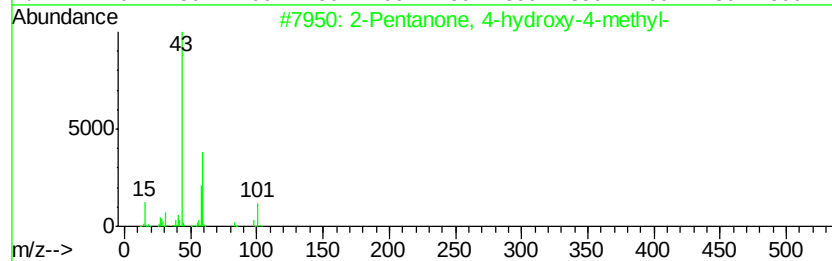
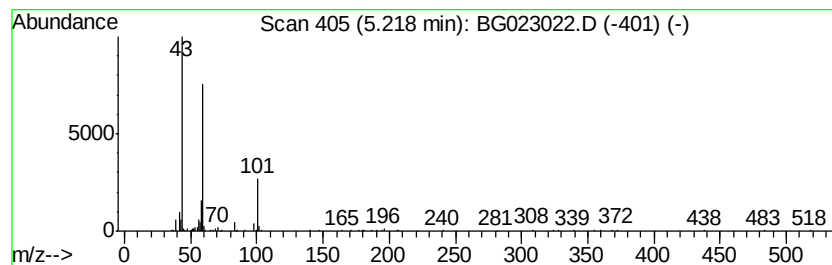
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 5.22 | 5.04 ng | 164378 | 1,4-Dichlorobenzene-d4 | 8.15 |

| Hit# | of | 5 | Tentative ID                          | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-      | 116 | C6H12O2  | 000123-42-2 | 50   |
| 2    |    |   | Butanedioic acid, diazo-, dimethyl... | 172 | C6H8N2O4 | 055514-36-8 | 39   |
| 3    |    |   | Hydrazine, 1,1-bis(1-methylethyl)-    | 116 | C6H16N2  | 000921-14-2 | 39   |
| 4    |    |   | Propanoic acid, 3-nitro-, methyl...   | 133 | C4H7NO4  | 020497-95-4 | 36   |
| 5    |    |   | 3-Octanol                             | 130 | C8H18O   | 000589-98-0 | 36   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG071116\  
Data File : BG023022.D  
Acq On : 12 Jul 2016 5:18  
Operator : UM/SJ  
Sample : H3967-09  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
S22-0007

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG070816.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

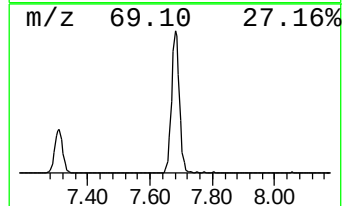
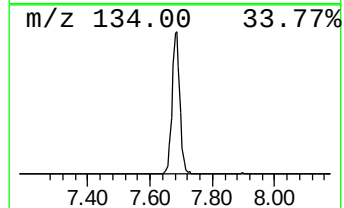
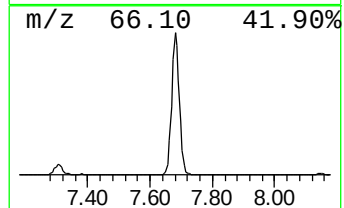
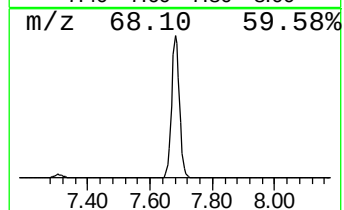
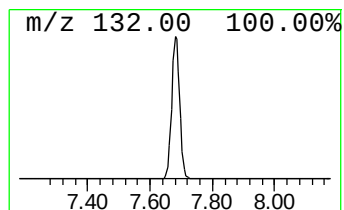
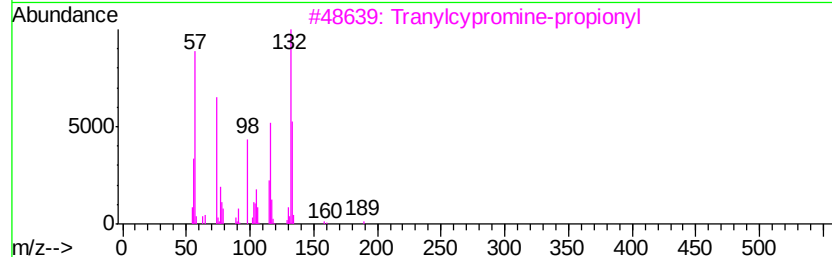
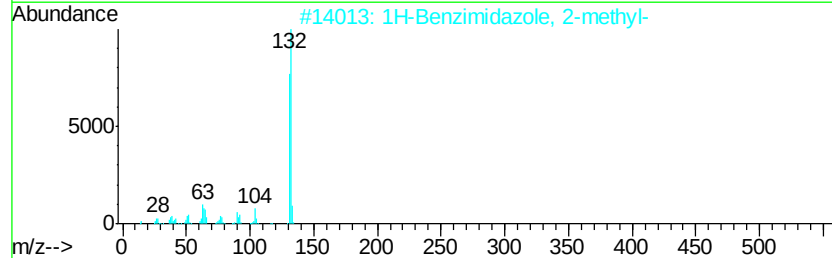
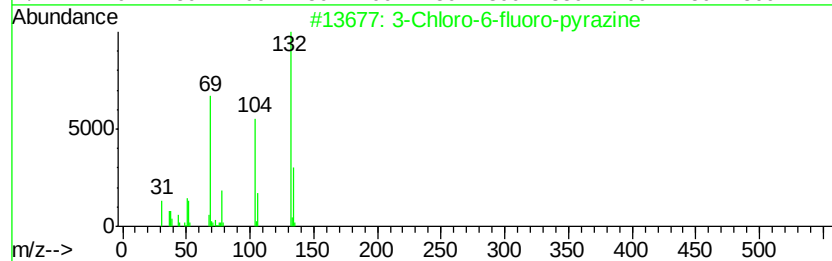
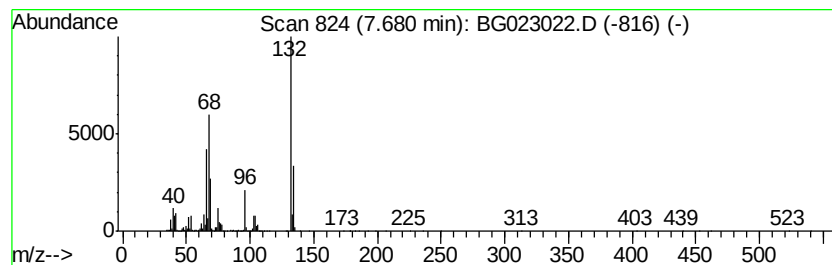
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 unknown7.68 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 7.68 | 99.72 ng | 3253010 | 1,4-Dichlorobenzene-d4 | 8.15 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 14   |
| 2    |    | 1H-Benzimidazole, 2-methyl-      | 132 | C8H8N2    | 000615-15-6  | 10   |
| 3    |    | Tranvlcypropine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 4    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 10   |
| 5    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 9    |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG071116\  
Data File : BG023022.D  
Acq On : 12 Jul 2016 5:18  
Operator : UM/SJ  
Sample : H3967-09  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
S22-0007

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

| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| 2-Pentanone, 4-hy... | 5.22 | 5.0     | ng    | 164378   | 1                     | 8.15 | 652454 | 20.0 |
| unknown7.68          | 7.68 | 99.7    | ng    | 3253010  | 1                     | 8.15 | 652454 | 20.0 |