

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012318\  
 Data File : BG032238.D  
 Acq On : 23 Jan 2018 19:10  
 Operator : SJ/JU  
 Sample : J1213-03  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MANHOLE

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-BG011218.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         | 3.382       | 9             | 16          | 25           | rBV5     | 20307          | 45462         | 1.05%           | 0.251%        |
| 2         | 3.471       | 25            | 31          | 48           | rVB      | 890072         | 1457177       | 33.52%          | 8.030%        |
| 3         | 6.162       | 481           | 489         | 501          | rBV      | 260693         | 448397        | 10.31%          | 2.471%        |
| 4         | 7.836       | 767           | 774         | 785          | rVB      | 168118         | 309836        | 7.13%           | 1.707%        |
| 5         | 8.241       | 835           | 843         | 858          | rVB      | 571508         | 1056217       | 24.30%          | 5.821%        |
| 6         | 8.729       | 916           | 926         | 937          | rBB      | 125782         | 225589        | 5.19%           | 1.243%        |
| 7         | 9.064       | 975           | 983         | 994          | rVB      | 575456         | 1056414       | 24.30%          | 5.822%        |
| 8         | 9.928       | 1120          | 1130        | 1140         | rBV      | 423825         | 818862        | 18.84%          | 4.513%        |
| 9         | 11.608      | 1407          | 1416        | 1424         | rBV      | 183072         | 338076        | 7.78%           | 1.863%        |
| 10        | 13.994      | 1814          | 1822        | 1831         | rBV      | 1606426        | 2671531       | 61.46%          | 14.722%       |
| 11        | 15.363      | 2047          | 2055        | 2065         | rVB2     | 337697         | 562914        | 12.95%          | 3.102%        |
| 12        | 16.837      | 2298          | 2306        | 2320         | rBV      | 1325778        | 2118062       | 48.72%          | 11.672%       |
| 13        | 17.014      | 2328          | 2336        | 2344         | rBV3     | 36600          | 70964         | 1.63%           | 0.391%        |
| 14        | 18.095      | 2513          | 2520        | 2531         | rBV2     | 457759         | 726740        | 16.72%          | 4.005%        |
| 15        | 20.633      | 2946          | 2952        | 2960         | rBV      | 3157687        | 4347063       | 100.00%         | 23.956%       |
| 16        | 22.425      | 3250          | 3257        | 3266         | rBV      | 500765         | 937361        | 21.56%          | 5.166%        |
| 17        | 26.121      | 3871          | 3886        | 3908         | rBV2     | 255877         | 955469        | 21.98%          | 5.265%        |

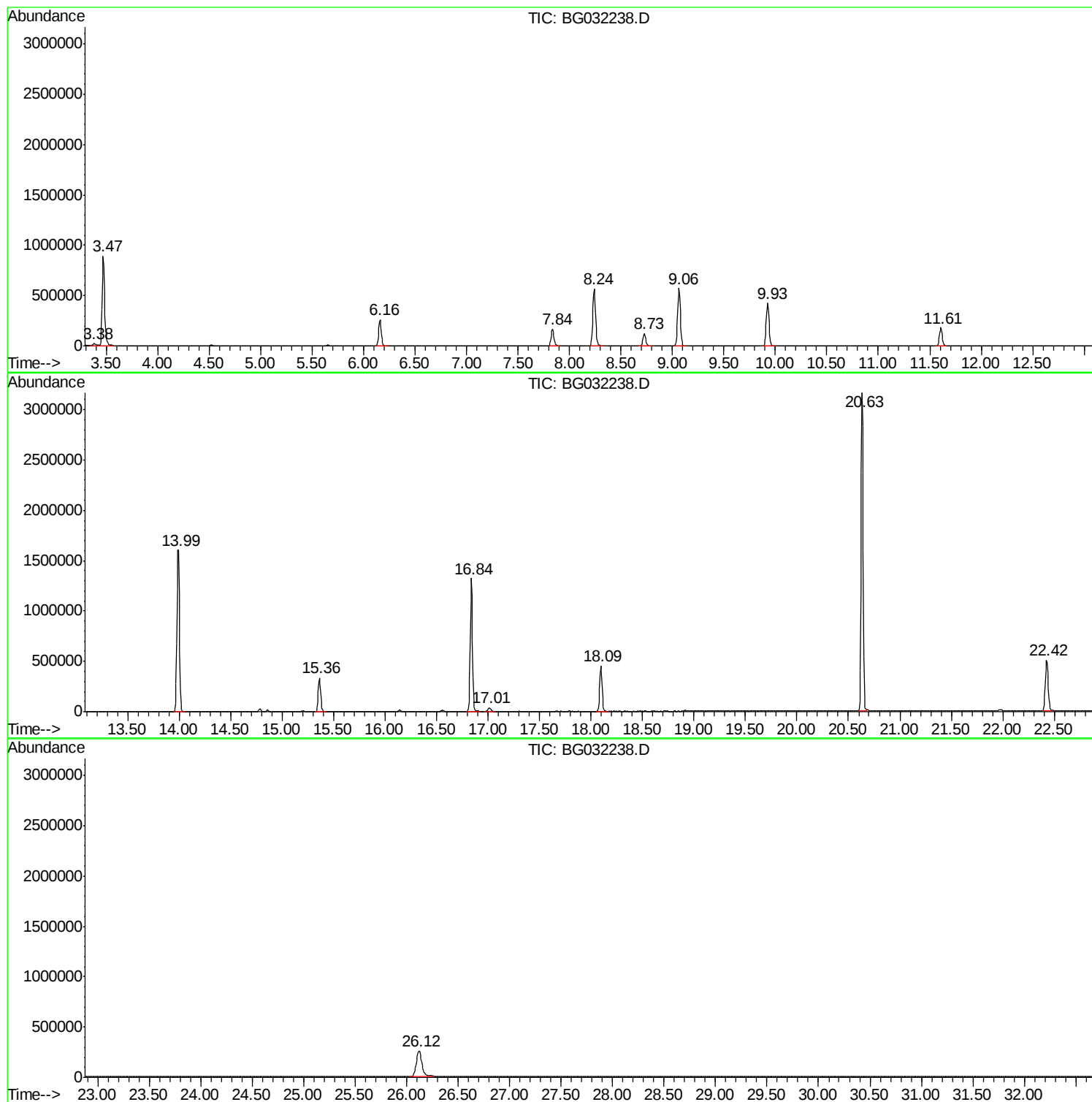
Sum of corrected areas: 18146134

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012318\  
Data File : BG032238.D  
Acq On : 23 Jan 2018 19:10  
Operator : SJ/JU  
Sample : J1213-03  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MANHOLE

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG012318\  
Data File : BG032238.D  
Acq On : 23 Jan 2018 19:10  
Operator : SJ/JU  
Sample : J1213-03  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MANHOLE

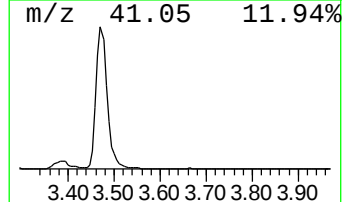
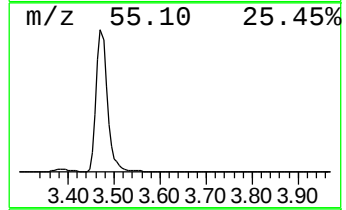
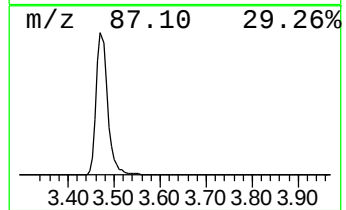
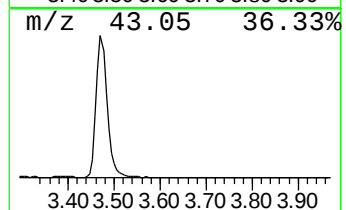
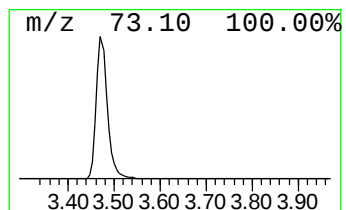
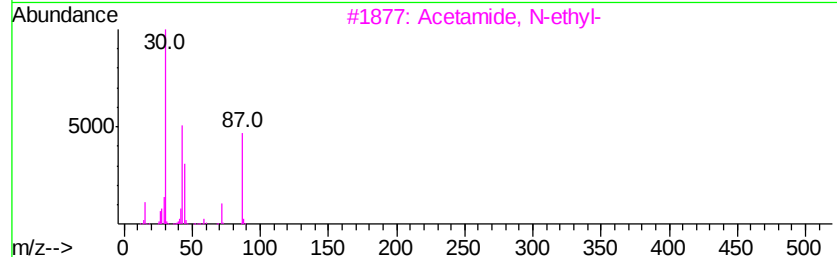
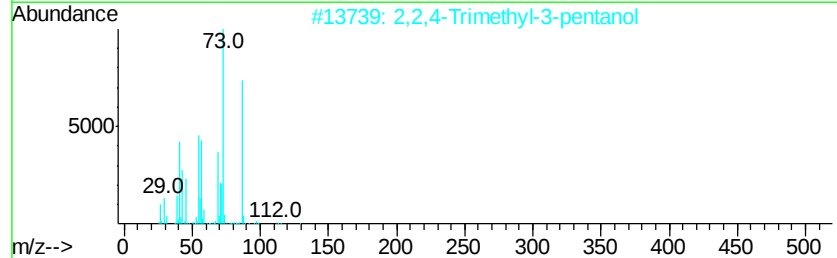
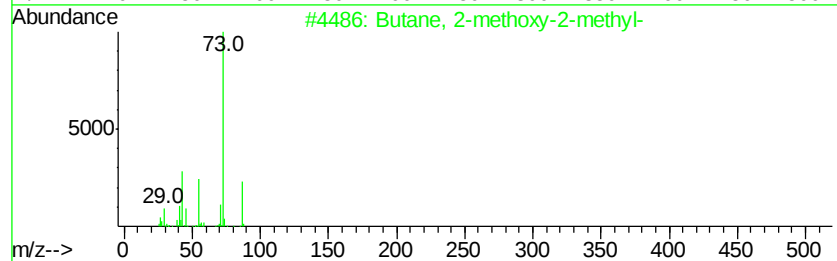
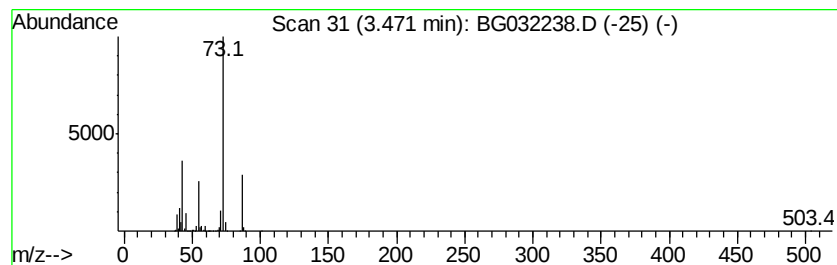
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 3.47 | 129.19 ng | 1457180 | 1,4-Dichlorobenzene-d4 | 8.73 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 78   |
| 2    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 38   |
| 3    |    | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 27   |
| 4    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 17   |
| 5    |    | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 9    |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG012318\  
Data File : BG032238.D  
Acq On : 23 Jan 2018 19:10  
Operator : SJ/JU  
Sample : J1213-03  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MANHOLE

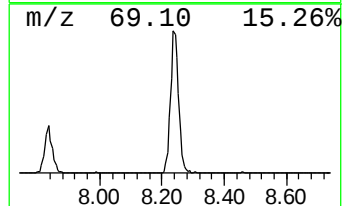
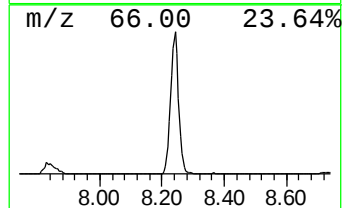
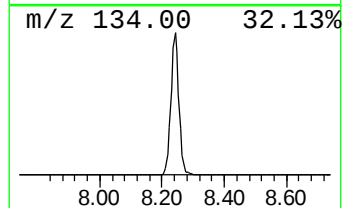
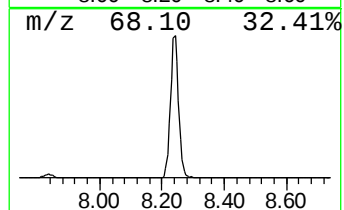
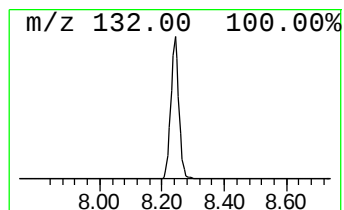
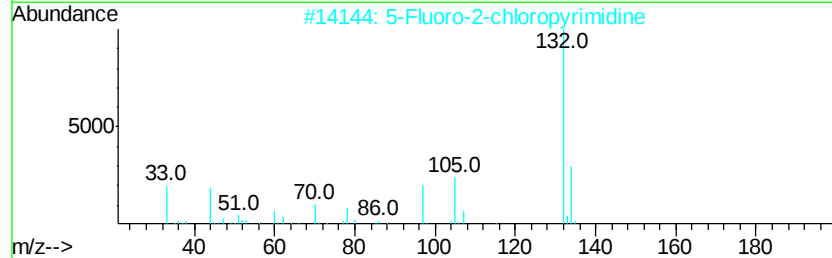
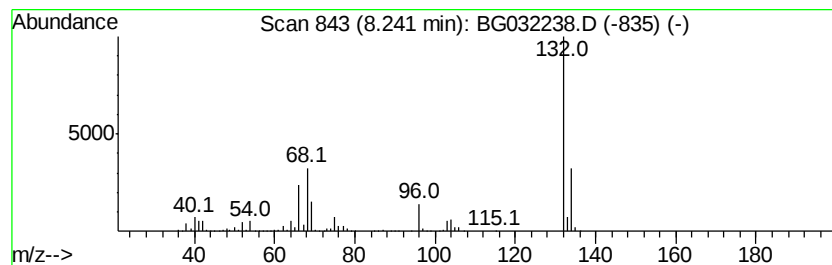
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 unknown8.24 Concentration Rank 3

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 8.24 | 93.64 ng | 1056220 | 1,4-Dichlorobenzene-d4 | 8.73 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 35   |
| 2    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 17   |
| 3    |    | Tranvlcypropine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 12   |
| 4    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 12   |
| 5    |    | 4-Chloro-2-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-00-5  | 9    |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG012318\  
Data File : BG032238.D  
Acq On : 23 Jan 2018 19:10  
Operator : SJ/JU  
Sample : J1213-03  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MANHOLE

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG011218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| Butane, 2-methoxy... | 3.47 | 129.2   | ng    | 1457180  | 1                     | 8.73 | 225589 | 20.0 |
| unknown8.24          | 8.24 | 93.6    | ng    | 1056220  | 1                     | 8.73 | 225589 | 20.0 |