

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041118\  
 Data File : BG033759.D  
 Acq On : 11 Apr 2018 23:48  
 Operator : SJ/JU  
 Sample : J2320-09  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 040918-JETB-E-U-M

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-BG031918.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         | 3.476       | 26            | 32          | 42           | rBV      | 144422         | 293440        | 7.84%           | 2.379%        |
| 2         | 3.564       | 42            | 47          | 57           | rVB      | 116988         | 194071        | 5.19%           | 1.573%        |
| 3         | 6.285       | 504           | 510         | 525          | rBV      | 109965         | 252661        | 6.75%           | 2.048%        |
| 4         | 7.971       | 788           | 797         | 810          | rBV3     | 57491          | 163129        | 4.36%           | 1.323%        |
| 5         | 8.370       | 857           | 865         | 882          | rBV      | 241417         | 540792        | 14.46%          | 4.384%        |
| 6         | 8.858       | 942           | 948         | 957          | rBV2     | 65315          | 155619        | 4.16%           | 1.262%        |
| 7         | 9.187       | 996           | 1004        | 1021         | rBV      | 418333         | 858255        | 22.94%          | 6.958%        |
| 8         | 10.057      | 1145          | 1152        | 1171         | rBV      | 293162         | 694171        | 18.55%          | 5.628%        |
| 9         | 11.737      | 1431          | 1438        | 1449         | rBV2     | 103509         | 230016        | 6.15%           | 1.865%        |
| 10        | 14.099      | 1833          | 1840        | 1853         | rBV      | 1005693        | 1730247       | 46.25%          | 14.028%       |
| 11        | 15.474      | 2067          | 2074        | 2083         | rBV2     | 212883         | 373563        | 9.99%           | 3.029%        |
| 12        | 16.943      | 2317          | 2324        | 2342         | rBV      | 597263         | 1037026       | 27.72%          | 8.408%        |
| 13        | 18.200      | 2531          | 2538        | 2551         | rBV2     | 339349         | 596391        | 15.94%          | 4.835%        |
| 14        | 20.721      | 2961          | 2967        | 2982         | rBV      | 2648038        | 3741175       | 100.00%         | 30.332%       |
| 15        | 22.548      | 3269          | 3278        | 3288         | rBV2     | 379462         | 745775        | 19.93%          | 6.046%        |
| 16        | 26.308      | 3905          | 3918        | 3936         | rVB2     | 219749         | 727912        | 19.46%          | 5.902%        |

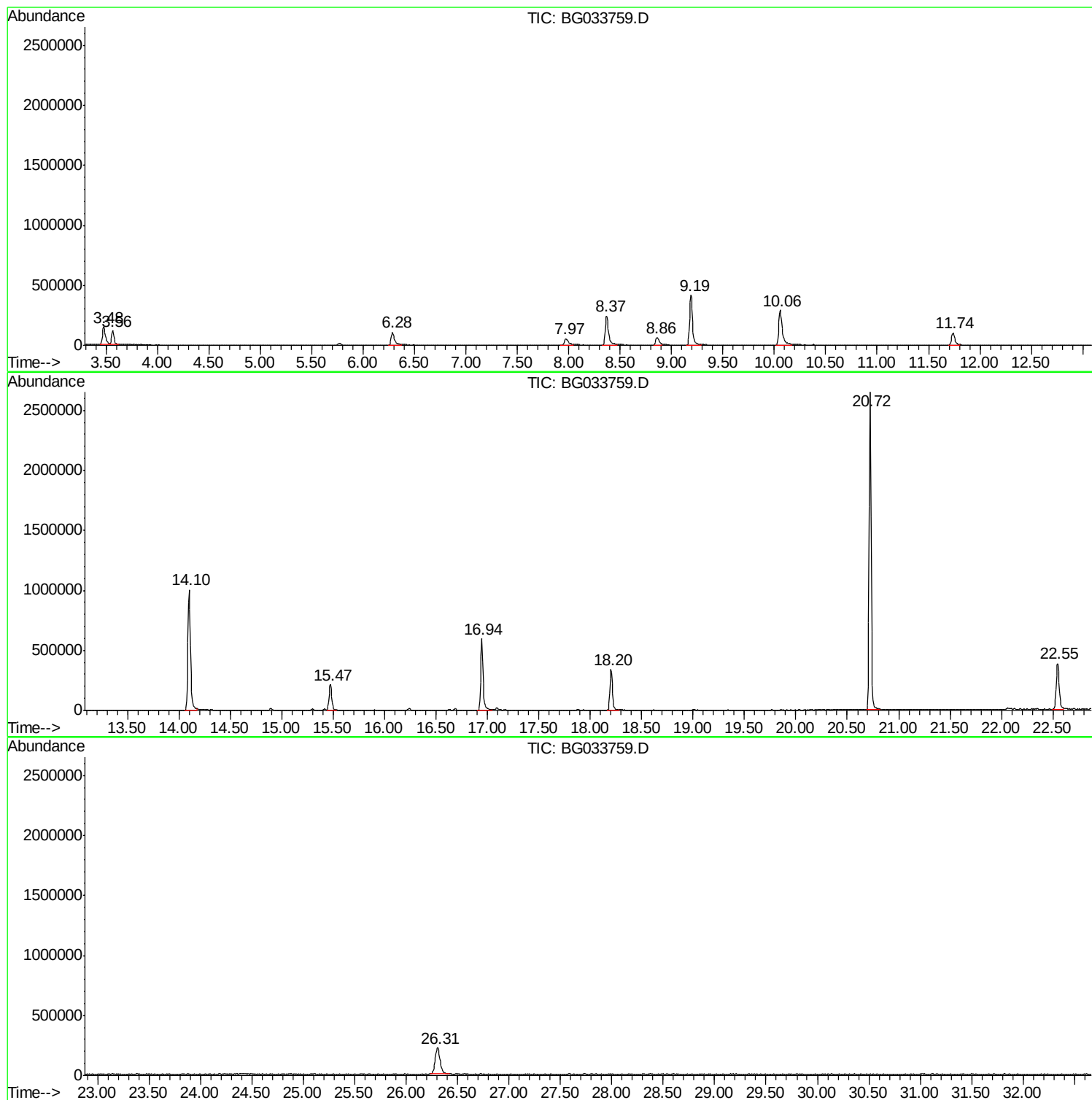
Sum of corrected areas: 12334243

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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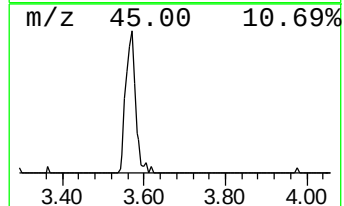
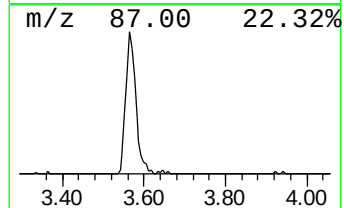
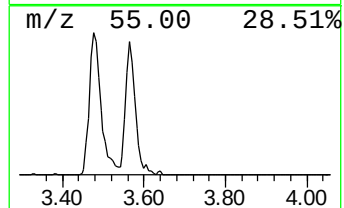
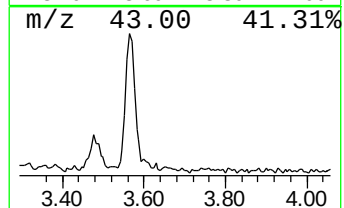
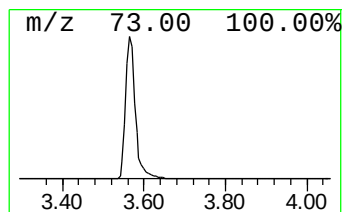
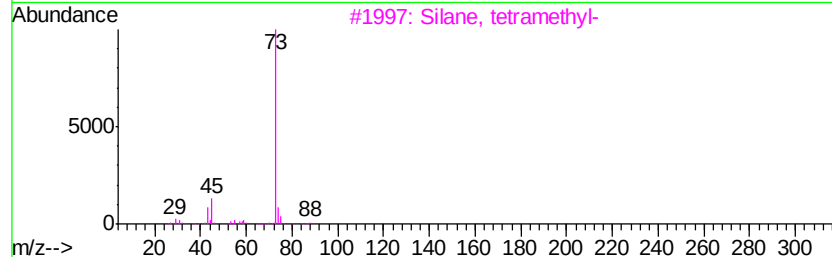
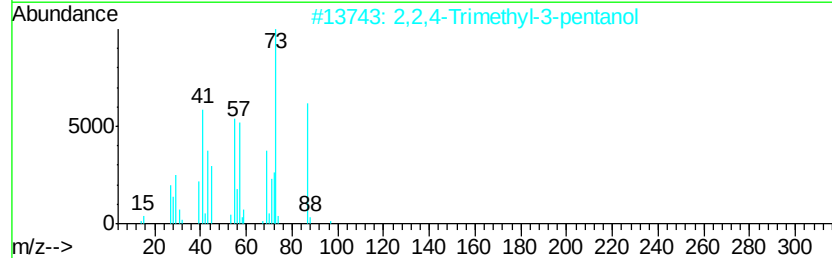
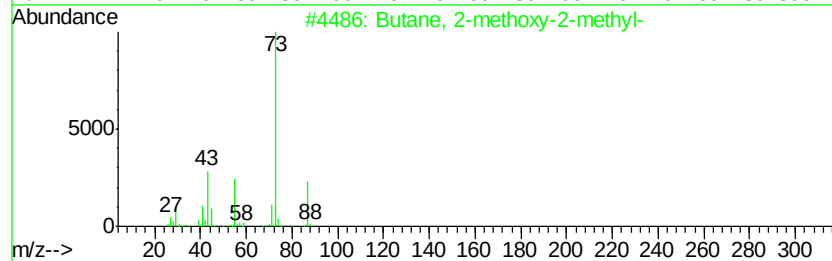
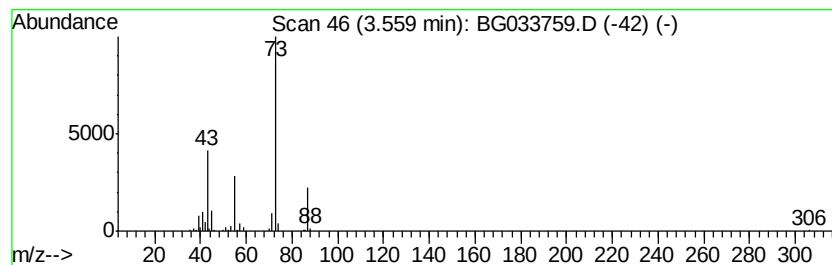
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Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 4

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 3.56 | 24.94 ng | 194071 | 1,4-Dichlorobenzene-d4 | 8.86 |

| 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 | 40   |
| 3    |    | Silane, tetramethyl-           | 88  | C4H12Si | 000075-76-3 | 25   |
| 4    |    | 2-Hydroxy-2-methylbutyric acid | 118 | C5H10O3 | 003739-30-8 | 23   |
| 5    |    | 1,3-Dioxolane, 2-methyl-       | 88  | C4H8O2  | 000497-26-7 | 23   |



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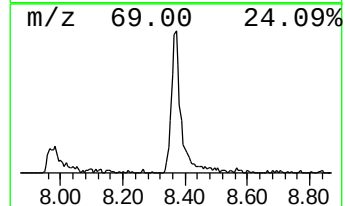
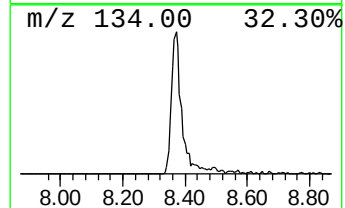
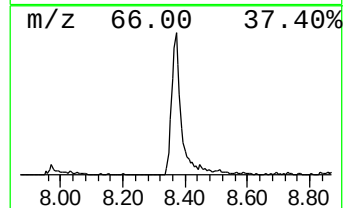
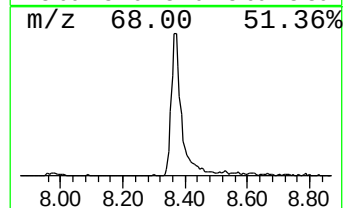
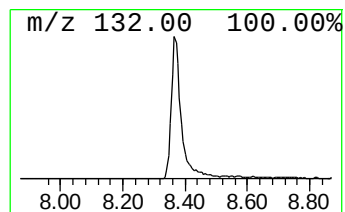
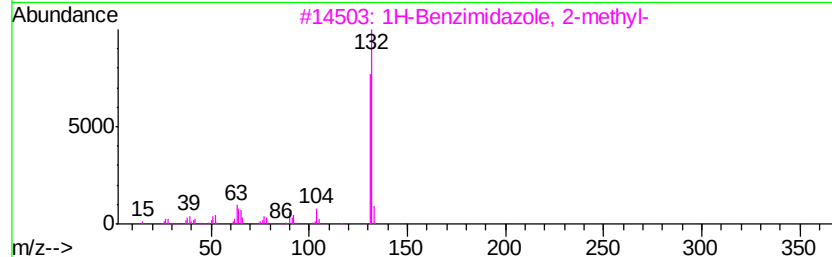
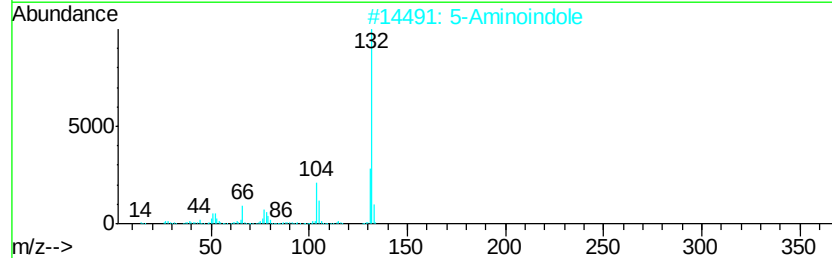
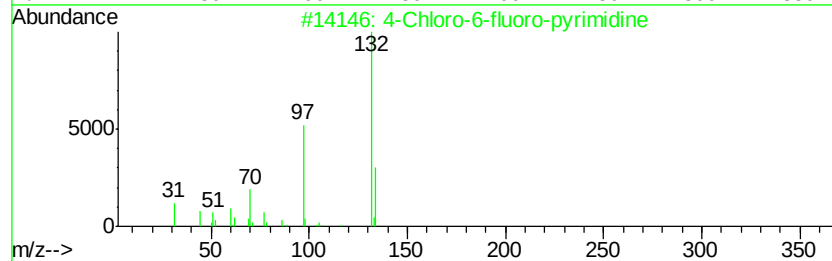
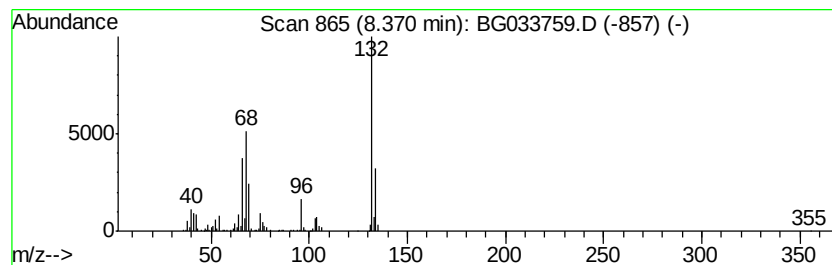
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Peak Number 3 unknown8.37 Concentration Rank 2

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 8.37 | 69.50 ng | 540792 | 1,4-Dichlorobenzene-d4 | 8.86 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 4-Chloro-6-fluoro-pyrimidine        | 132 | C4H2ClFN2 | 051422-01-6  | 27   |
| 2    |    | 5-Aminoindole                       | 132 | C8H8N2    | 005192-03-0  | 22   |
| 3    |    | 1H-Benzimidazole, 2-methyl-         | 132 | C8H8N2    | 000615-15-6  | 22   |
| 4    |    | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 16   |
| 5    |    | 1,3,4-Thiadiazole-2(3H)-thione, ... | 132 | C3H4N2S2  | 029490-19-5  | 12   |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| Butane, 2-methoxy... | 3.56 | 24.9    | ng    | 194071   | 1                     | 8.86 | 155619 | 20.0 |
| unknown8.37          | 8.37 | 69.5    | ng    | 540792   | 1                     | 8.86 | 155619 | 20.0 |