

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073018\  
 Data File : BG035973.D  
 Acq On : 30 Jul 2018 13:06  
 Operator : JU/SJ  
 Sample : J4196-02  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 072518-TIPC-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:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG071218.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         | 5.602       | 389           | 394         | 409          | rBV      | 174387         | 318756        | 9.87%           | 2.581%        |
| 2         | 7.188       | 658           | 664         | 680          | rBV      | 118160         | 240969        | 7.46%           | 1.951%        |
| 3         | 7.558       | 719           | 727         | 739          | rBV      | 351073         | 643264        | 19.92%          | 5.209%        |
| 4         | 8.022       | 800           | 806         | 814          | rVB      | 112872         | 194804        | 6.03%           | 1.577%        |
| 5         | 8.345       | 854           | 861         | 873          | rBV      | 524632         | 906022        | 28.06%          | 7.337%        |
| 6         | 9.185       | 993           | 1004        | 1017         | rBV      | 399724         | 774582        | 23.99%          | 6.272%        |
| 7         | 10.824      | 1276          | 1283        | 1293         | rBV      | 124713         | 257426        | 7.97%           | 2.085%        |
| 8         | 13.268      | 1691          | 1699        | 1713         | rBV      | 1252928        | 2035732       | 63.04%          | 16.485%       |
| 9         | 14.102      | 1835          | 1841        | 1854         | rBV      | 65842          | 126452        | 3.92%           | 1.024%        |
| 10        | 14.649      | 1927          | 1934        | 1952         | rBV2     | 268910         | 461161        | 14.28%          | 3.734%        |
| 11        | 15.935      | 2148          | 2153        | 2160         | rBV      | 57230          | 81456         | 2.52%           | 0.660%        |
| 12        | 16.135      | 2179          | 2187        | 2198         | rBV2     | 600770         | 1043585       | 32.32%          | 8.451%        |
| 13        | 17.392      | 2395          | 2401        | 2410         | rBV2     | 388067         | 641555        | 19.87%          | 5.195%        |
| 14        | 19.994      | 2838          | 2844        | 2863         | rBV      | 2327178        | 3229118       | 100.00%         | 26.149%       |
| 15        | 21.651      | 3121          | 3126        | 3136         | rBV      | 398177         | 701293        | 21.72%          | 5.679%        |
| 16        | 24.847      | 3661          | 3670        | 3684         | rBV2     | 207146         | 692796        | 21.45%          | 5.610%        |

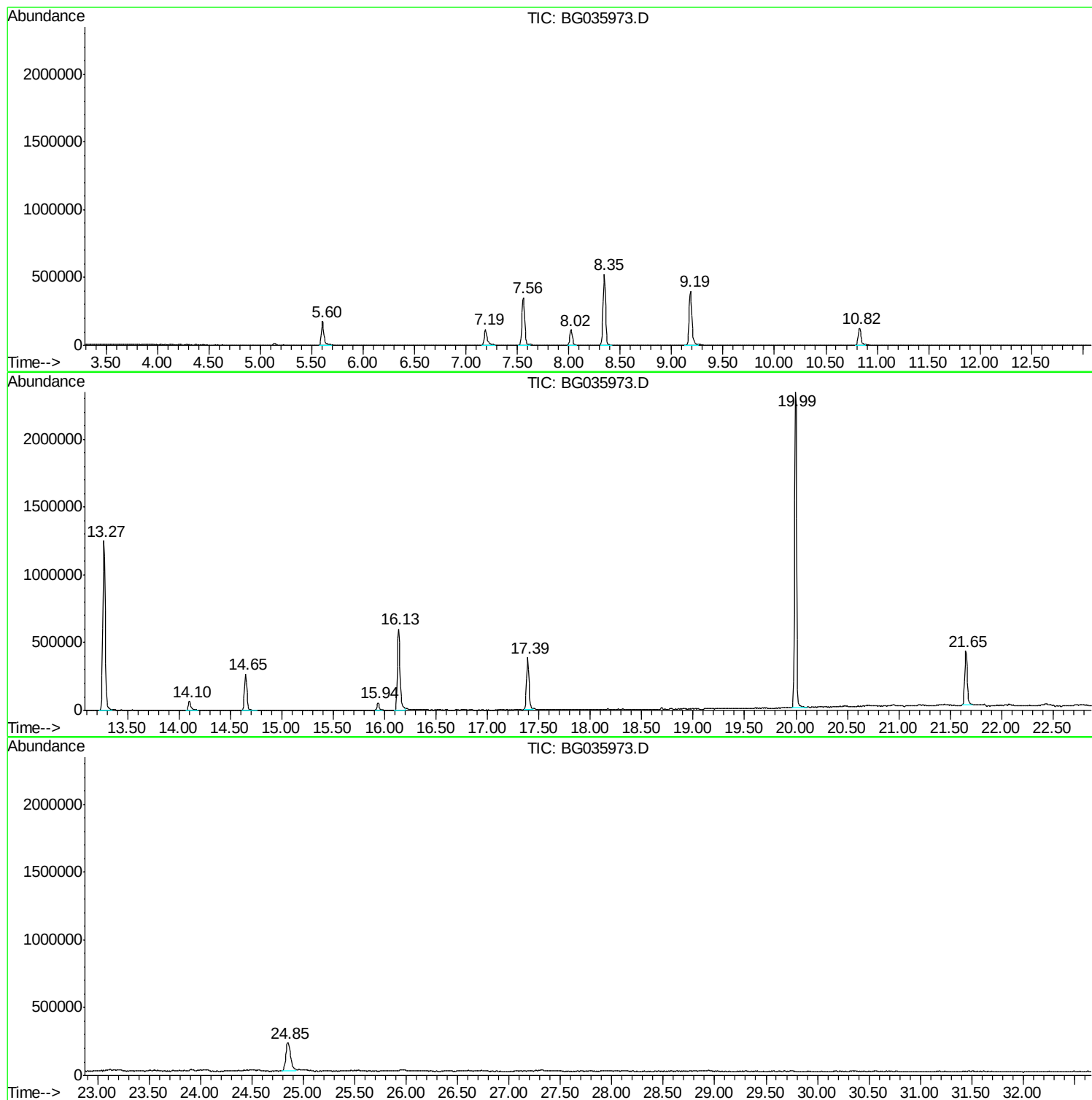
Sum of corrected areas: 12348971

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.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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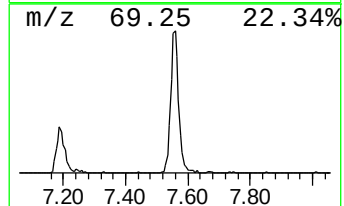
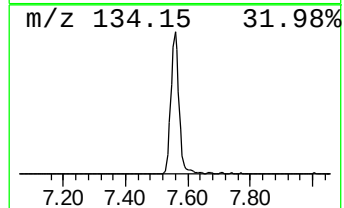
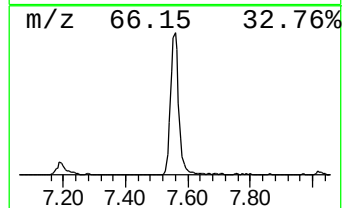
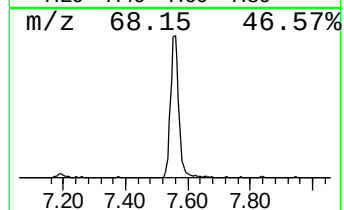
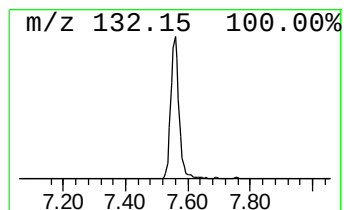
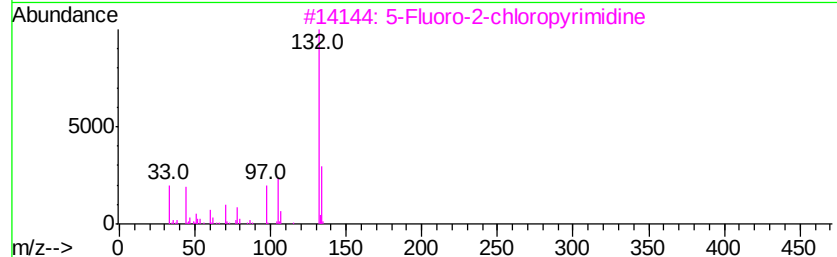
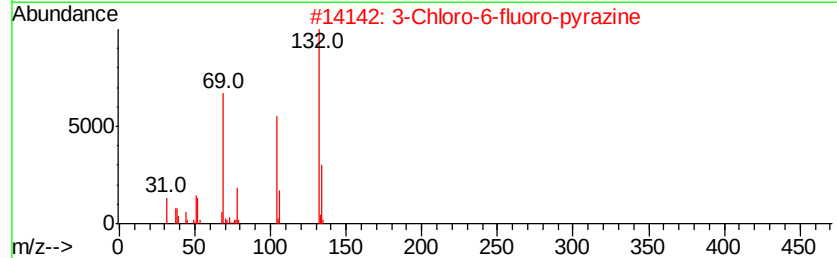
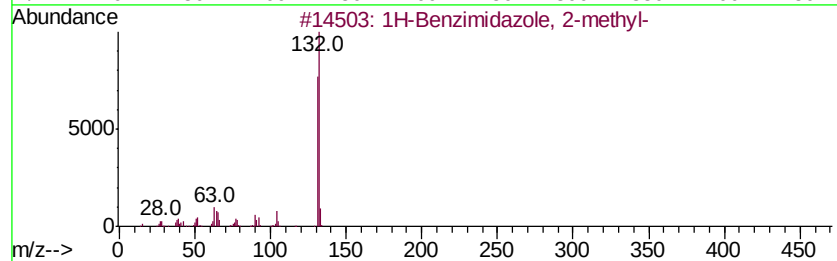
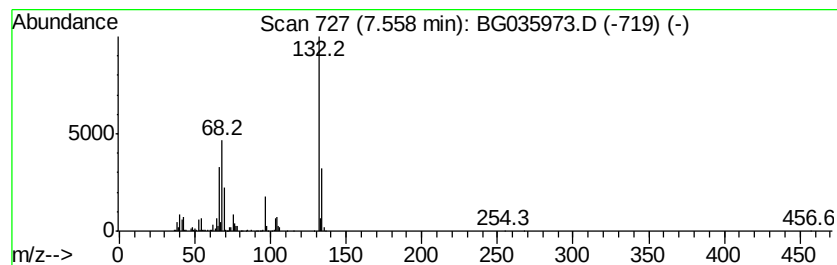
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 unknown7.56 Concentration Rank 2

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 7.56 | 66.04 ng | 643264 | 1,4-Dichlorobenzene-d4 | 8.02 |

| Hit# | of | Tentative ID                | MW  | MolForm   | CAS#         | Qual |
|------|----|-----------------------------|-----|-----------|--------------|------|
| 1    | 5  | 1H-Benzimidazole, 2-methyl- | 132 | C8H8N2    | 000615-15-6  | 22   |
| 2    |    | 3-Chloro-6-fluoro-pyrazine  | 132 | C4H2ClFN2 | 1000146-10-7 | 16   |
| 3    |    | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0  | 12   |
| 4    |    | Cyclopropanamine, 1-phenyl- | 133 | C9H11N    | 1000351-26-2 | 10   |
| 5    |    | 5-Aminoindole               | 132 | C8H8N2    | 005192-03-0  | 10   |



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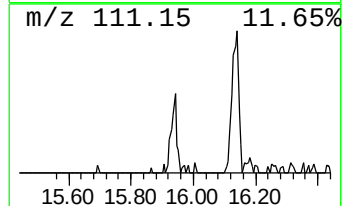
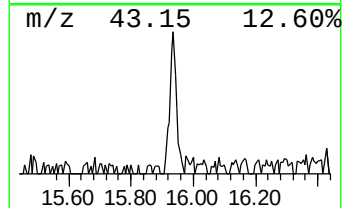
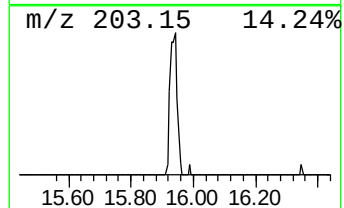
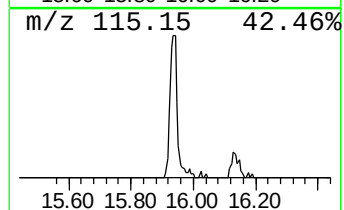
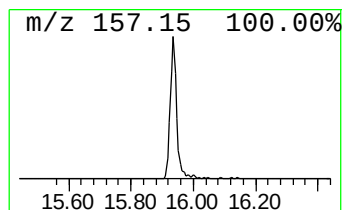
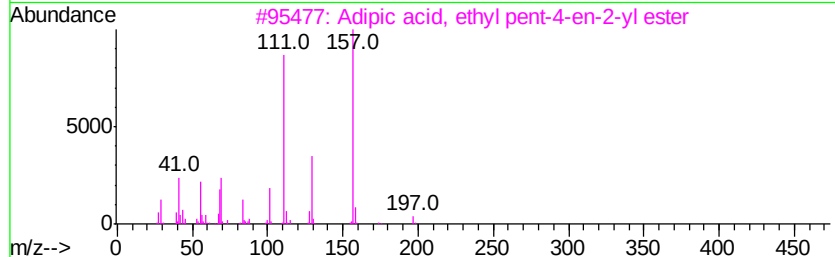
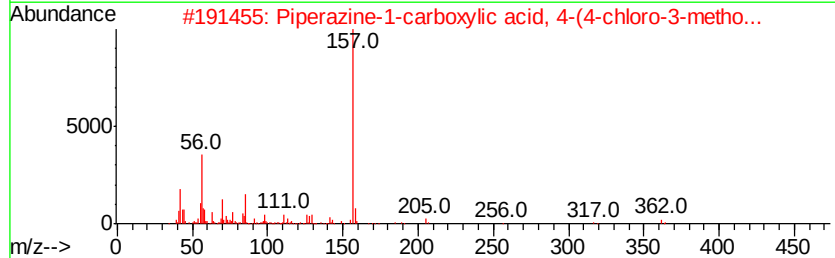
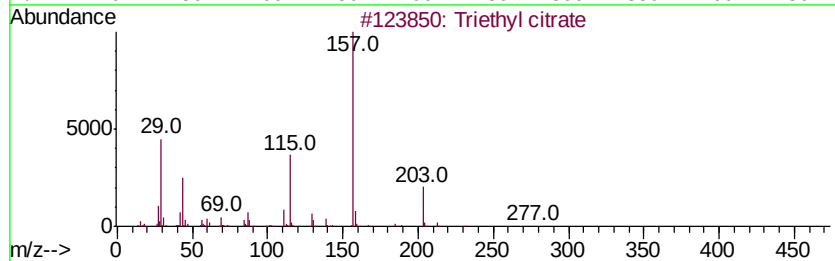
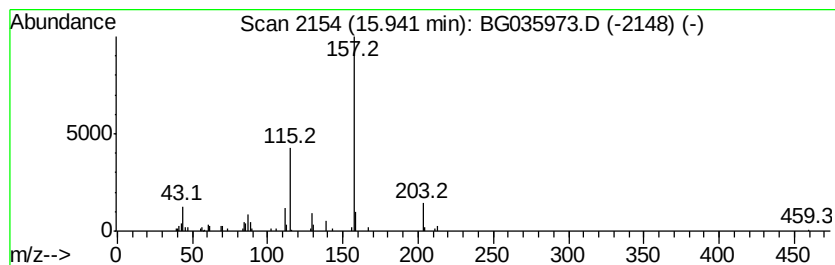
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Peak Number 3 Triethyl citrate Concentration Rank 3

| R.T.    | EstConc | Area                                | Relative to ISTD  | R.T.            |
|---------|---------|-------------------------------------|-------------------|-----------------|
| 15.94   | 3.53 ng | 81456                               | Acenaphthene-d10  | 14.64           |
| Hit# of | 5       | Tentative ID                        | MW MolForm        | CAS# Qual       |
| 1       |         | Triethyl citrate                    | 276 C12H20O7      | 000077-93-0 86  |
| 2       |         | Piperazine-1-carboxylic acid, 4-... | 362 C14H19ClN2O5S | 1000303-79-9 33 |
| 3       |         | Adipic acid, ethyl pent-4-en-2-v... | 242 C13H22O4      | 1000354-11-7 28 |
| 4       |         | 1-Amino-2-methylnaphthalene         | 157 C11H11N       | 002246-44-8 9   |
| 5       |         | 3-Methyl-2-carbethoxyindole         | 203 C12H13NO2     | 026304-51-8 9   |



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| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| unknown7.56      | 7.56  | 66.0    | ng    | 643264   | 1                     | 8.02  | 194804 | 20.0 |
| Triethyl citrate | 15.94 | 3.5     | ng    | 81456    | 3                     | 14.64 | 461161 | 20.0 |