

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072518\  
 Data File : BG035898.D  
 Acq On : 26 Jul 2018 7:30  
 Operator : JU/SJ  
 Sample : J4107-04  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 071918-DBRI-E-U-B

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         | 5.605       | 387           | 394         | 410          | rBV      | 210309         | 368815        | 10.23%          | 2.512%        |
| 2         | 7.192       | 657           | 664         | 679          | rBV      | 141378         | 280826        | 7.79%           | 1.913%        |
| 3         | 7.562       | 720           | 727         | 744          | rBV      | 410758         | 723113        | 20.06%          | 4.926%        |
| 4         | 8.026       | 799           | 806         | 813          | rBV      | 141306         | 235356        | 6.53%           | 1.603%        |
| 5         | 8.349       | 854           | 861         | 871          | rBV      | 579195         | 1019256       | 28.27%          | 6.943%        |
| 6         | 9.189       | 995           | 1004        | 1015         | rBV      | 465530         | 886417        | 24.59%          | 6.038%        |
| 7         | 10.828      | 1275          | 1283        | 1295         | rBV      | 166917         | 325622        | 9.03%           | 2.218%        |
| 8         | 13.272      | 1692          | 1699        | 1715         | rBV      | 1523094        | 2440644       | 67.70%          | 16.625%       |
| 9         | 14.106      | 1836          | 1841        | 1852         | rBV      | 27632          | 57280         | 1.59%           | 0.390%        |
| 10        | 14.652      | 1927          | 1934        | 1944         | rBV2     | 334043         | 564286        | 15.65%          | 3.844%        |
| 11        | 15.939      | 2148          | 2153        | 2158         | rBV      | 64323          | 84824         | 2.35%           | 0.578%        |
| 12        | 16.138      | 2179          | 2187        | 2202         | rBV      | 854727         | 1388807       | 38.53%          | 9.460%        |
| 13        | 17.395      | 2394          | 2401        | 2411         | rBV2     | 500224         | 814831        | 22.60%          | 5.550%        |
| 14        | 19.998      | 2838          | 2844        | 2857         | rBV      | 2624382        | 3604869       | 100.00%         | 24.556%       |
| 15        | 21.296      | 3060          | 3065        | 3074         | rBV7     | 39420          | 82556         | 2.29%           | 0.562%        |
| 16        | 21.654      | 3119          | 3126        | 3136         | rBV      | 521327         | 920611        | 25.54%          | 6.271%        |
| 17        | 24.856      | 3660          | 3671        | 3681         | rBV      | 304888         | 882236        | 24.47%          | 6.010%        |

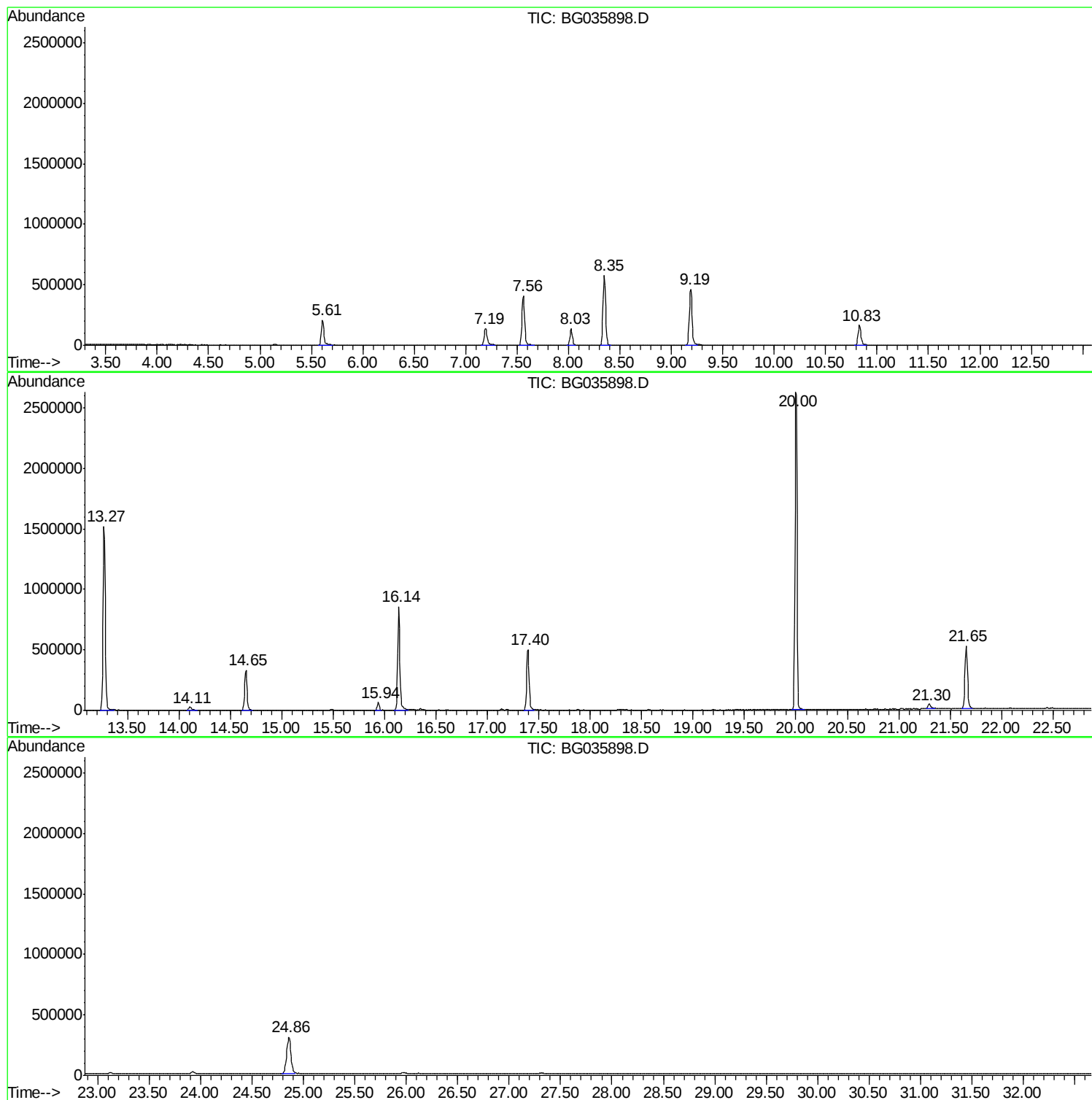
Sum of corrected areas: 14680349

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072518\  
Data File : BG035898.D  
Acq On : 26 Jul 2018 7:30  
Operator : JU/SJ  
Sample : J4107-04  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
071918-DBRI-E-U-B

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072518\  
Data File : BG035898.D  
Acq On : 26 Jul 2018 7:30  
Operator : JU/SJ  
Sample : J4107-04  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
071918-DBRI-E-U-B

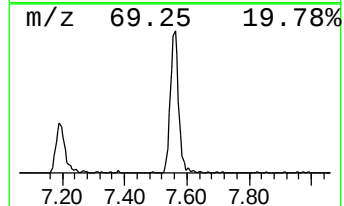
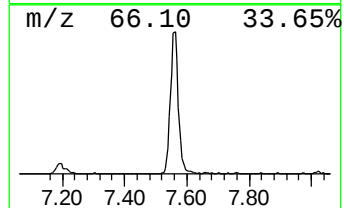
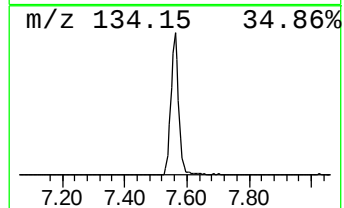
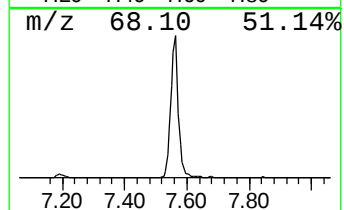
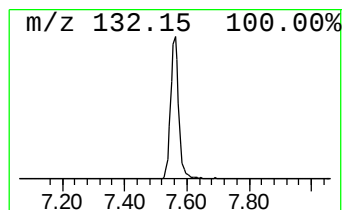
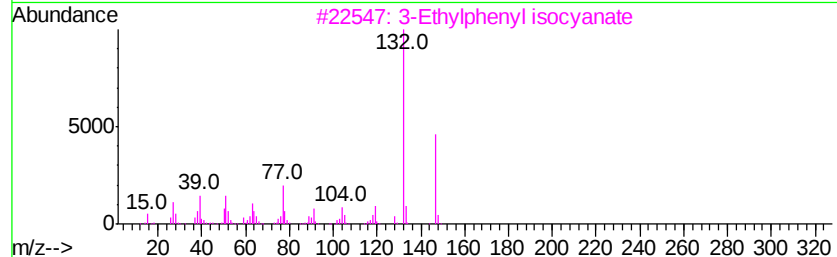
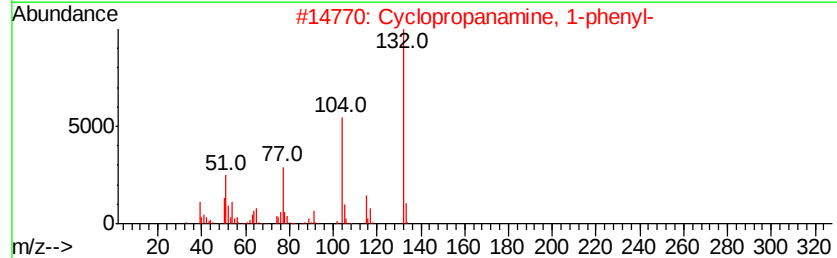
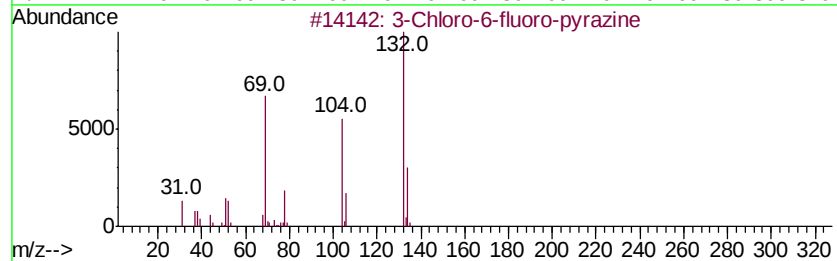
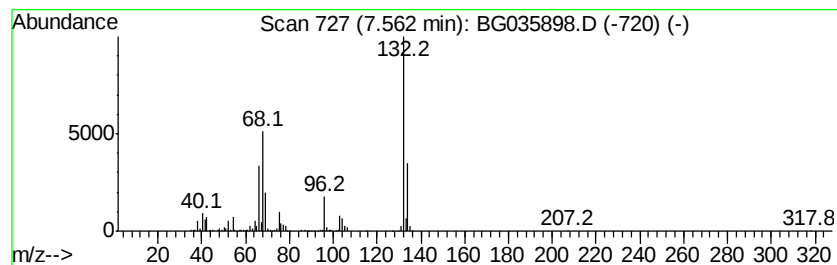
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 unknown7.56 Concentration Rank 2

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 7.56 | 61.45 ng | 723113 | 1,4-Dichlorobenzene-d4 | 8.03 |

| Hit# | of | Tentative ID                  | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine    | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | Cyclopropanamine, 1-phenyl-   | 133 | C9H11N    | 1000351-26-2 | 10   |
| 3    |    | 3-Ethylphenyl isocyanate      | 147 | C9H9NO    | 023138-58-1  | 10   |
| 4    |    | 2-Cyclohexen-1-one            | 96  | C6H8O     | 000930-68-7  | 10   |
| 5    |    | o-(Acetonylamino)benzoic acid | 193 | C10H11NO3 | 037144-42-6  | 10   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072518\  
Data File : BG035898.D  
Acq On : 26 Jul 2018 7:30  
Operator : JU/SJ  
Sample : J4107-04  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
071918-DBRI-E-U-B

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

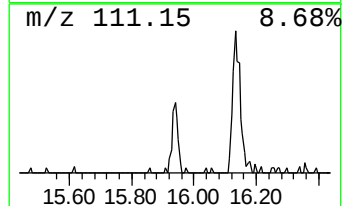
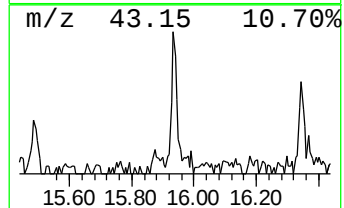
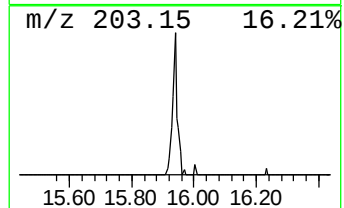
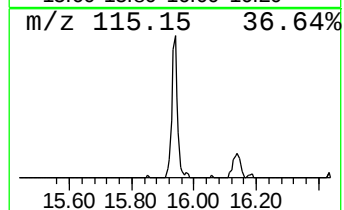
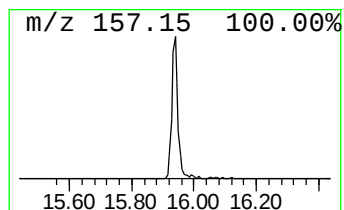
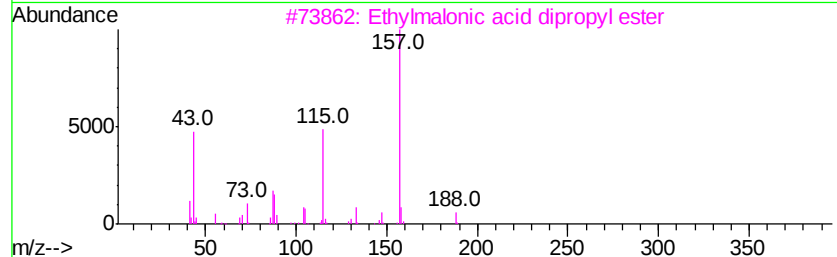
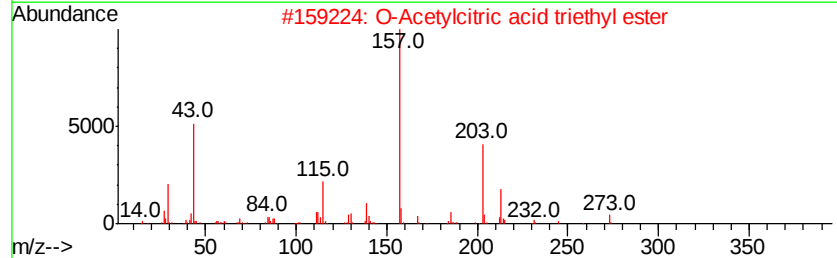
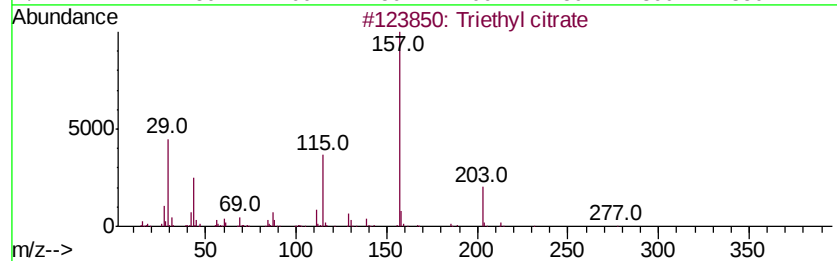
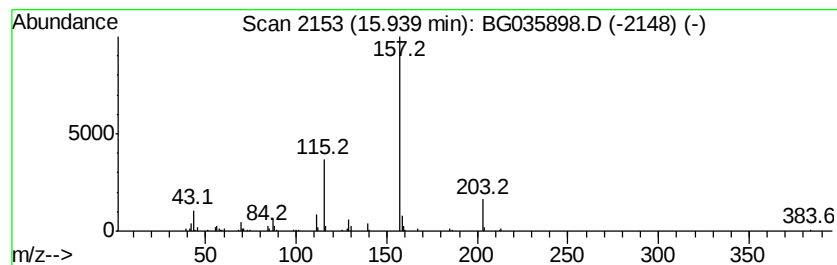
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Triethyl citrate Concentration Rank 3

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 15.94 | 3.01 ng | 84824 | Acenaphthene-d10 | 14.65 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm       | CAS#         | Qual |
|---------|---|-------------------------------------|-----|---------------|--------------|------|
| 1       |   | Triethyl citrate                    | 276 | C12H20O7      | 000077-93-0  | 91   |
| 2       |   | O-Acetylcitric acid triethyl ester  | 318 | C14H22O8      | 000077-89-4  | 64   |
| 3       |   | Ethylmalonic acid dipropyl ester    | 216 | C11H20O4      | 001113-91-3  | 39   |
| 4       |   | Piperazine-1-carboxylic acid, 4-... | 362 | C14H19ClN2O5S | 1000303-80-2 | 33   |
| 5       |   | Quinoline, 4,8-dimethyl-            | 157 | C11H11N       | 013362-80-6  | 33   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG072518\  
Data File : BG035898.D  
Acq On : 26 Jul 2018 7:30  
Operator : JU/SJ  
Sample : J4107-04  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
071918-DBRI-E-U-B

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

| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| unknown7.56      | 7.56  | 61.5    | ng    | 723113   | 1                     | 8.03  | 235356 | 20.0 |
| Triethyl citrate | 15.94 | 3.0     | ng    | 84824    | 3                     | 14.65 | 564286 | 20.0 |