

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF071818\  
 Data File : BF107504.D  
 Acq On : 19 Jul 2018 9:21  
 Operator : JU/SJ  
 Sample : J4033-05  
 Misc :  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 071618-DBRI-F-D-S

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\_F\METHODS\8270-BF071618.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         | 5.213       | 484           | 489         | 496          | rVB2     | 49957          | 61867         | 1.38%           | 0.229%        |
| 2         | 5.607       | 551           | 556         | 559          | rBV      | 1500617        | 1336112       | 29.73%          | 4.941%        |
| 3         | 6.601       | 721           | 725         | 734          | rVB      | 1115724        | 958708        | 21.33%          | 3.545%        |
| 4         | 6.754       | 746           | 751         | 754          | rBV      | 2747757        | 2424923       | 53.95%          | 8.967%        |
| 5         | 6.984       | 786           | 790         | 793          | rBV      | 1031738        | 855294        | 19.03%          | 3.163%        |
| 6         | 7.142       | 812           | 817         | 820          | rBV      | 3349519        | 3056009       | 68.00%          | 11.301%       |
| 7         | 7.548       | 880           | 886         | 889          | rBV      | 2743532        | 2807567       | 62.47%          | 10.382%       |
| 8         | 8.266       | 1004          | 1008        | 1012         | rBV      | 1248026        | 995871        | 22.16%          | 3.683%        |
| 9         | 9.342       | 1186          | 1191        | 1194         | rBV      | 4719574        | 4494406       | 100.00%         | 16.620%       |
| 10        | 9.731       | 1253          | 1257        | 1261         | rBV      | 338868         | 272098        | 6.05%           | 1.006%        |
| 11        | 10.025      | 1304          | 1307        | 1311         | rVB2     | 1234735        | 1101151       | 24.50%          | 4.072%        |
| 12        | 10.683      | 1416          | 1419        | 1424         | rBV      | 252378         | 227368        | 5.06%           | 0.841%        |
| 13        | 10.819      | 1437          | 1442        | 1445         | rBV      | 2126706        | 1991415       | 44.31%          | 7.364%        |
| 14        | 11.519      | 1557          | 1561        | 1565         | rBV      | 1237483        | 1063206       | 23.66%          | 3.932%        |
| 15        | 12.036      | 1644          | 1649        | 1656         | rBV10    | 24626          | 67271         | 1.50%           | 0.249%        |
| 16        | 13.107      | 1826          | 1831        | 1834         | rBV      | 3965509        | 3736163       | 83.13%          | 13.816%       |
| 17        | 14.166      | 2007          | 2011        | 2017         | rBV      | 967554         | 868455        | 19.32%          | 3.212%        |
| 18        | 15.707      | 2268          | 2273        | 2278         | rVB      | 552936         | 723577        | 16.10%          | 2.676%        |

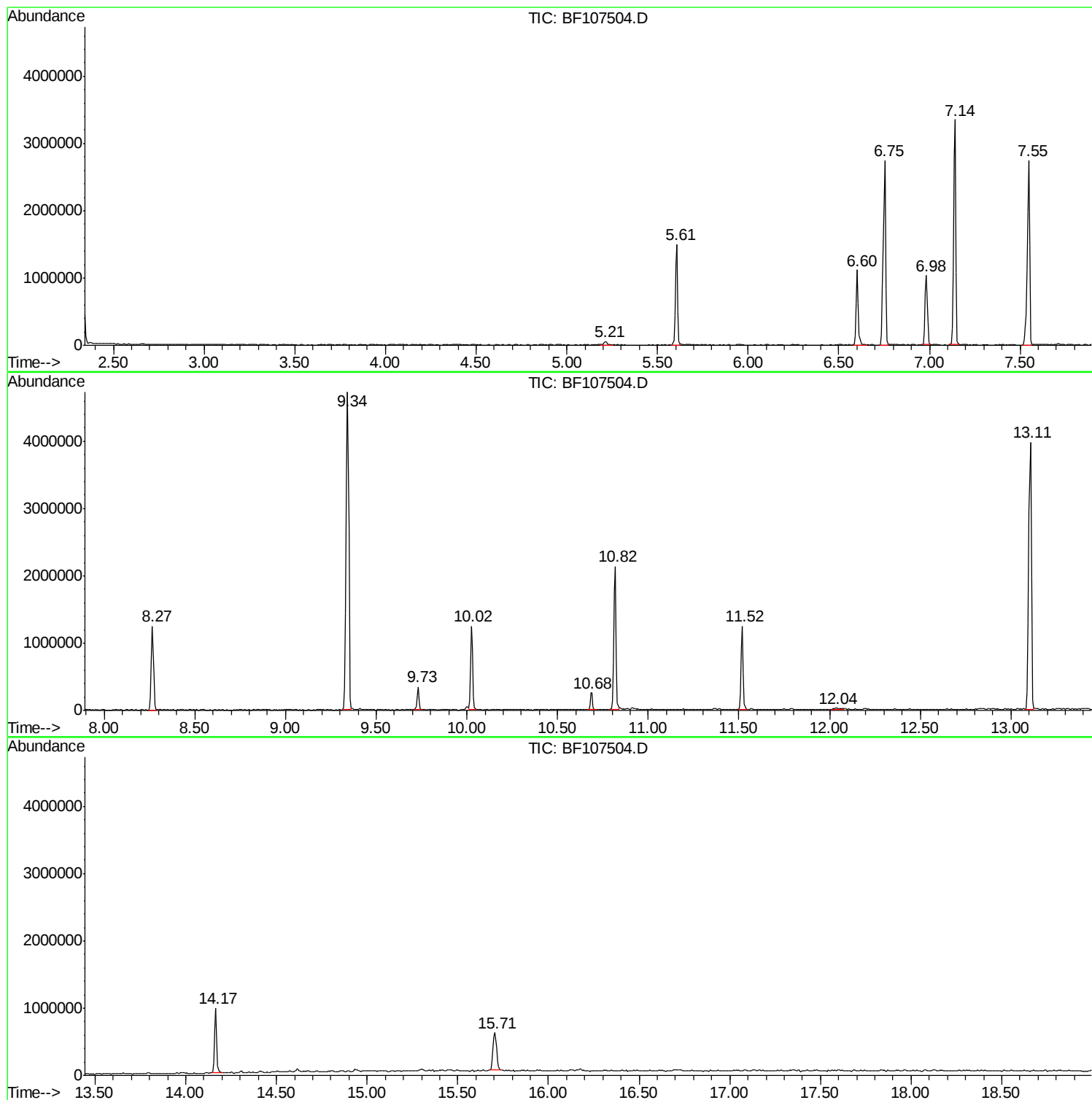
Sum of corrected areas: 27041461

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071618.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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

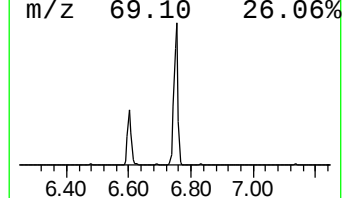
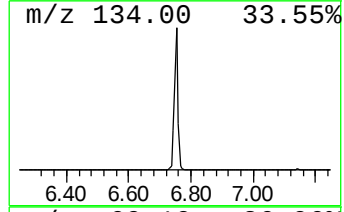
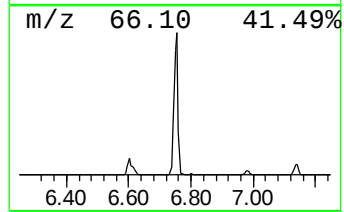
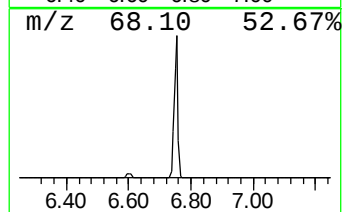
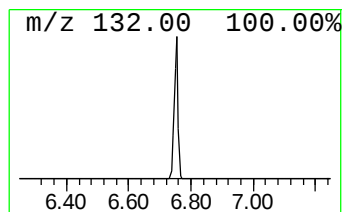
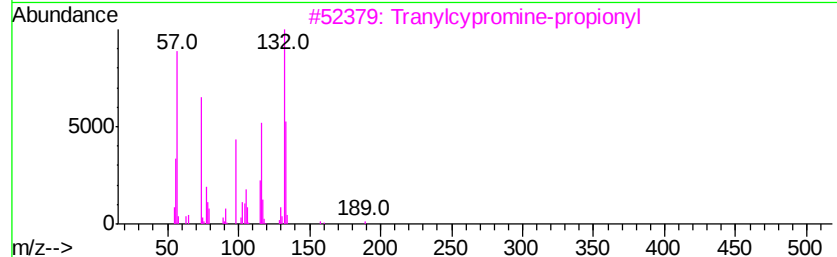
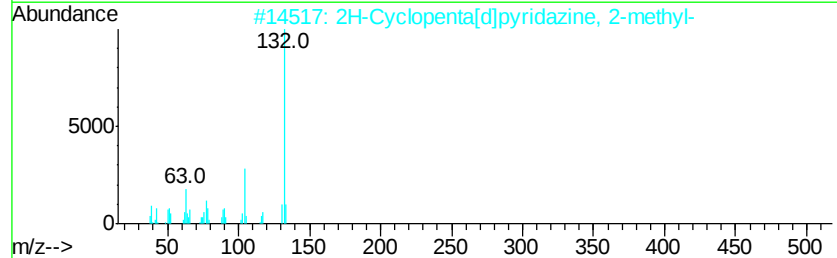
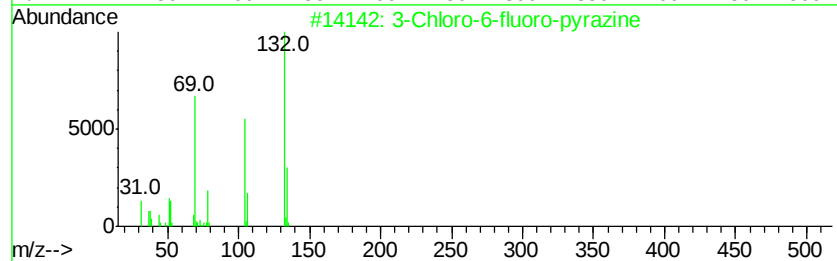
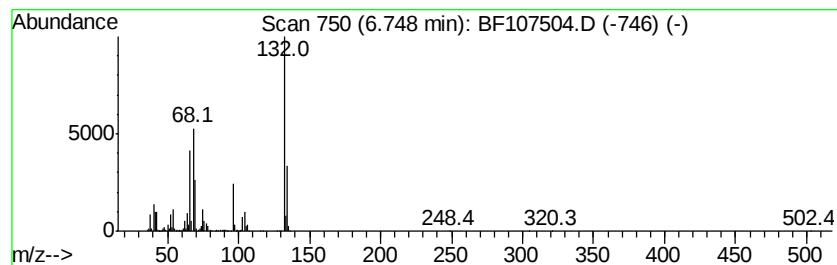
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown6.75 Concentration Rank 2

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.75 | 56.70 ng | 2424920 | 1,4-Dichlorobenzene-d4 | 6.98 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 22   |
| 2    |    | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2    | 022291-85-6  | 22   |
| 3    |    | Tranvlcyproamine-propionyl          | 189 | C12H15NO  | 1000123-86-3 | 22   |
| 4    |    | 4-Chloro-6-fluoro-pyrimidine        | 132 | C4H2ClFN2 | 051422-01-6  | 22   |
| 5    |    | Cyclopropanamine, 1-phenyl-         | 133 | C9H11N    | 1000351-26-2 | 12   |



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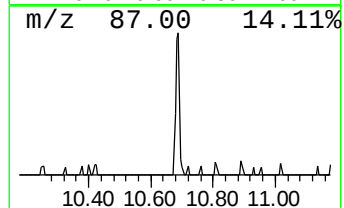
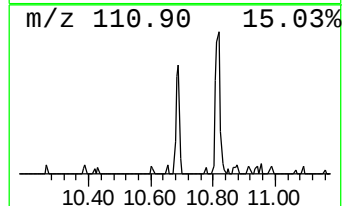
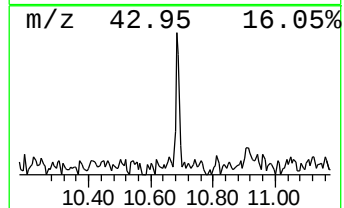
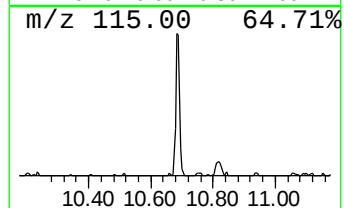
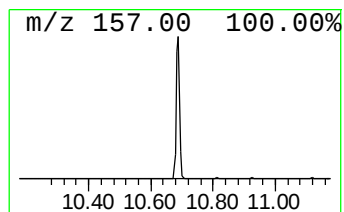
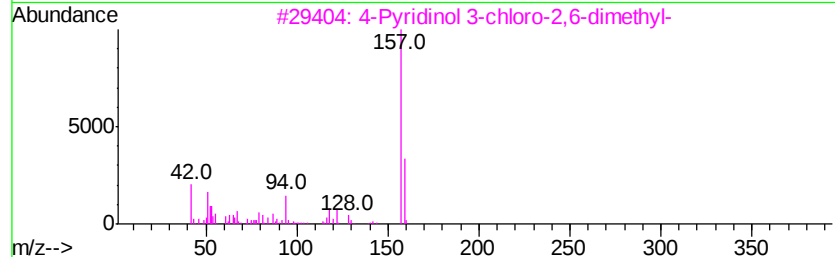
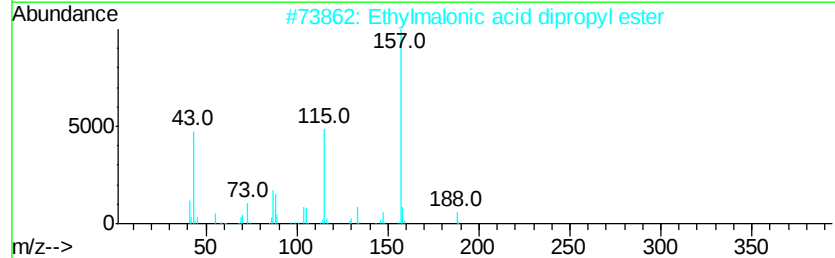
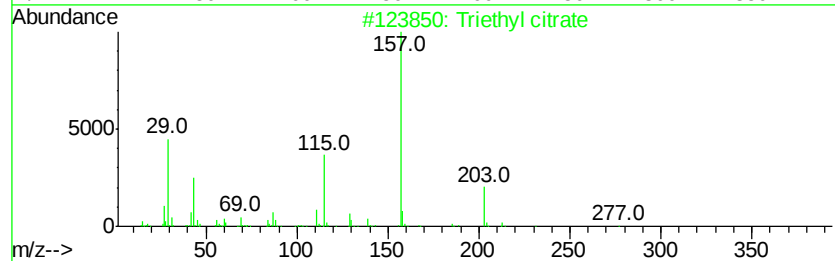
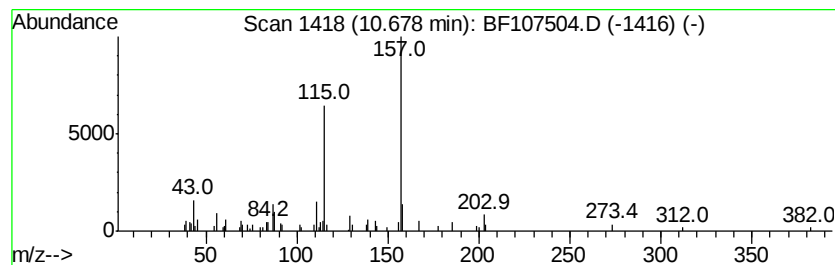
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Peak Number 3 Triethyl citrate Concentration Rank 3

| R.T.    | EstConc | Area                                | Relative to ISTD | R.T.            |
|---------|---------|-------------------------------------|------------------|-----------------|
| 10.68   | 4.13 ng | 227368                              | Acenaphthene-d10 | 10.02           |
| Hit# of | 5       | Tentative ID                        | MW MolForm       | CAS# Qual       |
| 1       |         | Triethyl citrate                    | 276 C12H20O7     | 000077-93-0 80  |
| 2       |         | Ethylmalonic acid dipropyl ester    | 216 C11H20O4     | 001113-91-3 59  |
| 3       |         | 4-Pyridinol 3-chloro-2,6-dimethyl-  | 157 C7H8ClNO     | 088545-07-7 47  |
| 4       |         | 3-Chloro2-fluorobenzoic acid, 5-... | 384 C22H34ClF02  | 1000338-65-2 36 |
| 5       |         | 3-Chloro2-fluorobenzoic acid, 4-... | 356 C20H30ClF02  | 1000338-64-4 36 |



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| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                  |       |         |       |          | #                     | RT    | Resp    | Conc |
| unknown6.75      | 6.75  | 56.7    | ng    | 2424920  | 1                     | 6.98  | 855294  | 20.0 |
| Triethyl citrate | 10.68 | 4.1     | ng    | 227368   | 3                     | 10.02 | 1101150 | 20.0 |