

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG091117\  
 Data File : BG028654.D  
 Acq On : 11 Sep 2017 23:47  
 Operator : SJ/JU  
 Sample : PB102205BL  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB102205BL

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-BG090717.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         | 5.445       | 309           | 316         | 325          | rBV      | 109340         | 176174        | 5.12%           | 1.311%        |
| 2         | 5.909       | 387           | 395         | 407          | rBV      | 425137         | 723805        | 21.03%          | 5.386%        |
| 3         | 7.489       | 656           | 664         | 680          | rBV      | 413970         | 750574        | 21.81%          | 5.585%        |
| 4         | 7.871       | 720           | 729         | 740          | rVB      | 389539         | 713321        | 20.73%          | 5.308%        |
| 5         | 8.335       | 798           | 808         | 816          | rBV      | 121838         | 221092        | 6.42%           | 1.645%        |
| 6         | 8.659       | 855           | 863         | 878          | rVB      | 454092         | 817950        | 23.77%          | 6.086%        |
| 7         | 9.505       | 998           | 1007        | 1019         | rBV      | 359530         | 676031        | 19.65%          | 5.030%        |
| 8         | 11.150      | 1279          | 1287        | 1297         | rBV      | 160656         | 298595        | 8.68%           | 2.222%        |
| 9         | 13.565      | 1691          | 1698        | 1705         | rBV      | 1081327        | 1691516       | 49.16%          | 12.586%       |
| 10        | 14.945      | 1924          | 1933        | 1943         | rBV2     | 277072         | 463189        | 13.46%          | 3.446%        |
| 11        | 16.432      | 2180          | 2186        | 2196         | rBV      | 624555         | 1057564       | 30.73%          | 7.869%        |
| 12        | 17.695      | 2394          | 2401        | 2411         | rBV      | 446879         | 695295        | 20.21%          | 5.173%        |
| 13        | 20.280      | 2834          | 2841        | 2849         | rBV      | 2608404        | 3441172       | 100.00%         | 25.604%       |
| 14        | 22.025      | 3131          | 3138        | 3150         | rVB      | 477188         | 869750        | 25.27%          | 6.471%        |
| 15        | 25.533      | 3723          | 3735        | 3749         | rVB2     | 260353         | 843785        | 24.52%          | 6.278%        |

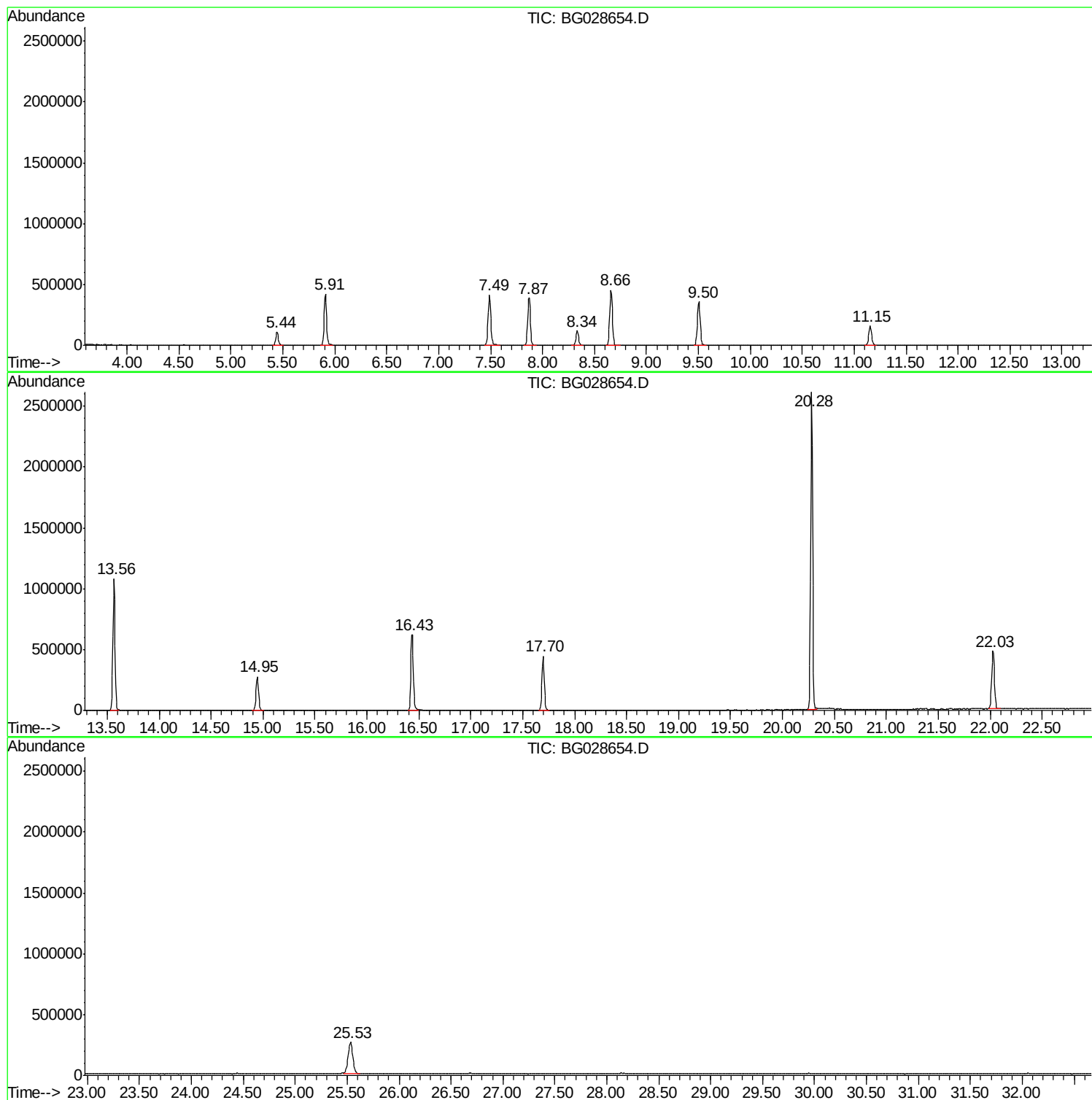
Sum of corrected areas: 13439813

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG090717.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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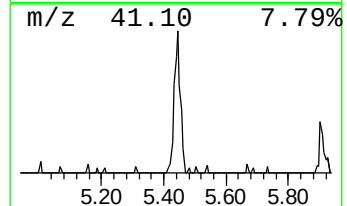
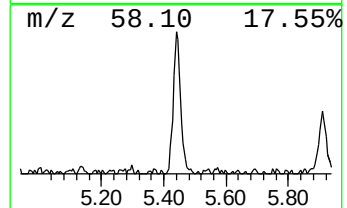
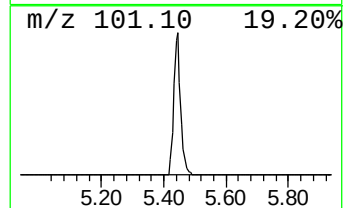
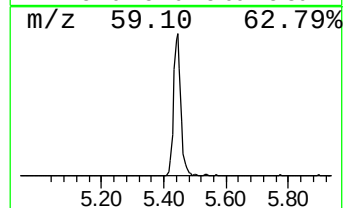
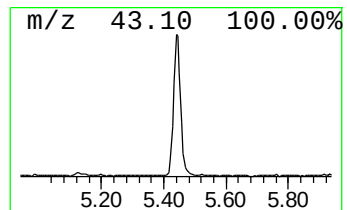
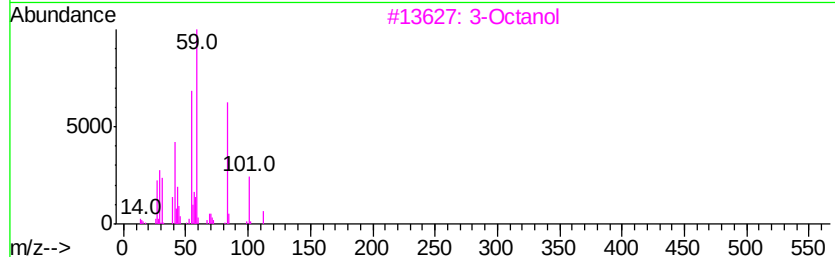
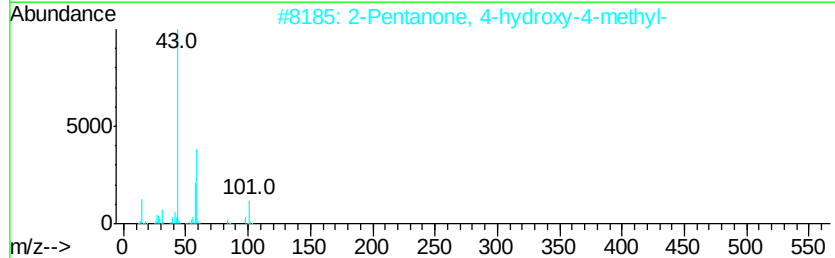
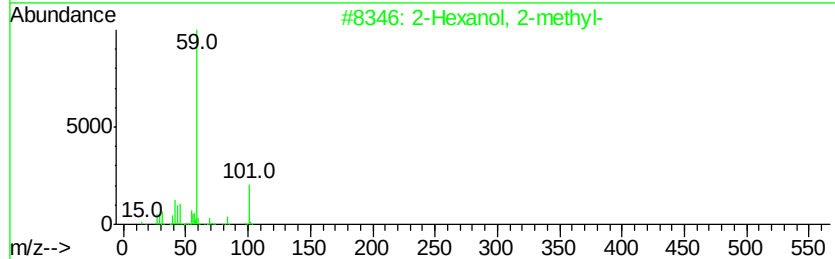
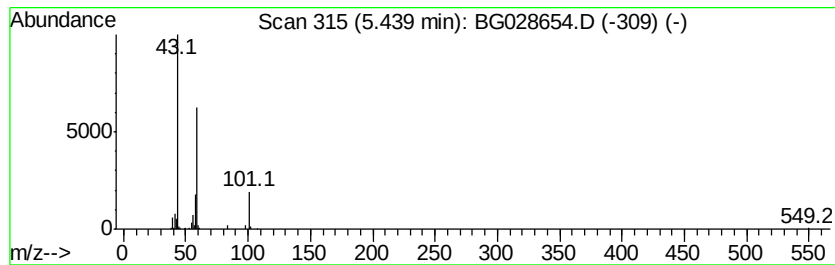
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown5.44 Concentration Rank 3

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 5.44 | 15.94 ng | 176174 | 1,4-Dichlorobenzene-d4 | 8.33 |

| Hit# | of | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 2-Hexanol, 2-methyl-               | 116 | C7H16O  | 000625-23-0 | 40   |
| 2    |    | 2-Pentanone, 4-hydroxy-4-methyl-   | 116 | C6H12O2 | 000123-42-2 | 39   |
| 3    |    | 3-Octanol                          | 130 | C8H18O  | 000589-98-0 | 38   |
| 4    |    | Hydrazine, 1,1-bis(1-methylethyl)- | 116 | C6H16N2 | 000921-14-2 | 28   |
| 5    |    | 3-Pentanol                         | 88  | C5H12O  | 000584-02-1 | 23   |



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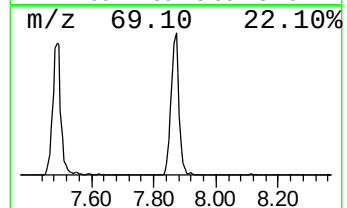
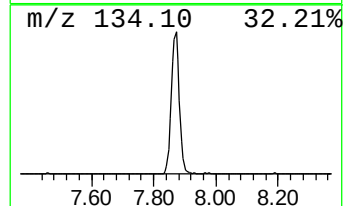
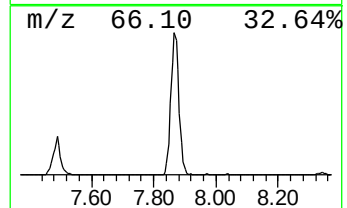
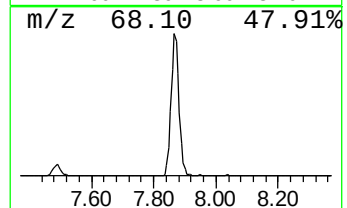
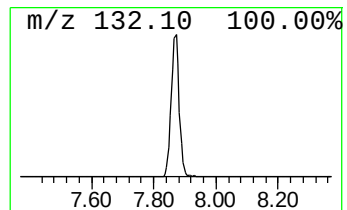
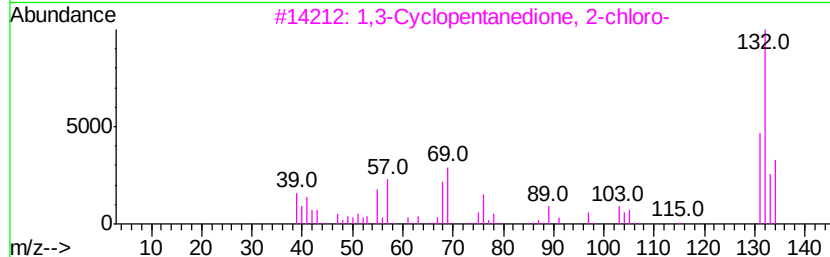
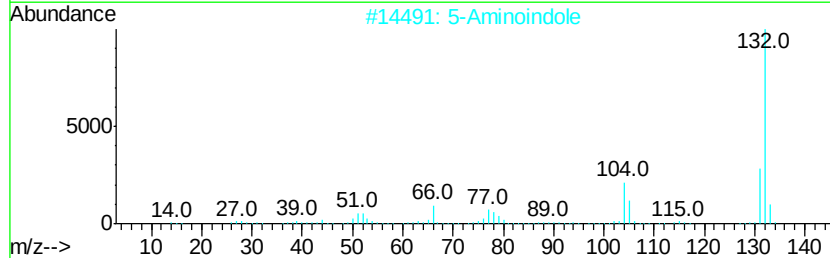
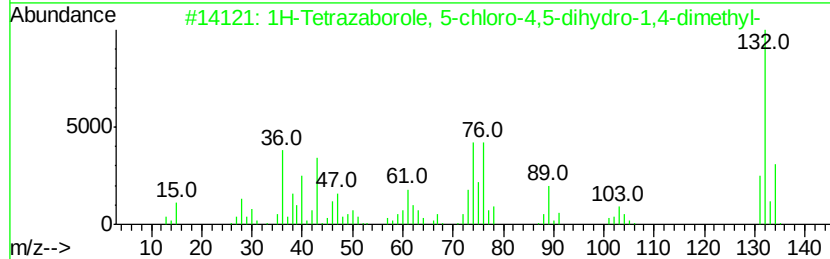
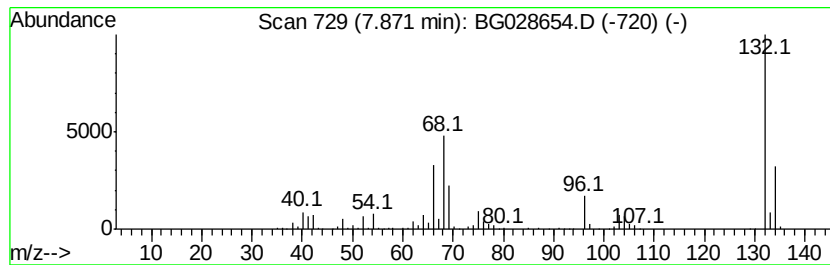
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Peak Number 2 unknown7.87 Concentration Rank 2

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 7.87 | 64.53 ng | 713321 | 1,4-Dichlorobenzene-d4 | 8.33 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | 1H-Tetrazaborole, 5-chloro-4,5-d... | 132 | C2H6BClN4 | 021960-49-6  | 27   |
| 2    |    |   | 5-Aminoindole                       | 132 | C8H8N2    | 005192-03-0  | 27   |
| 3    |    |   | 1,3-Cyclopentanedione, 2-chloro-    | 132 | C5H5ClO2  | 014203-19-1  | 17   |
| 4    |    |   | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 16   |
| 5    |    |   | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0  | 12   |



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| TIC Top Hit name | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                  |      |         |       |          | #                     | RT   | Resp   | Conc |
| unknown5.44      | 5.44 | 15.9    | ng    | 176174   | 1                     | 8.33 | 221092 | 20.0 |
| unknown7.87      | 7.87 | 64.5    | ng    | 713321   | 1                     | 8.33 | 221092 | 20.0 |