

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120415\  
 Data File : BG019925.D  
 Acq On : 5 Dec 2015 4:10  
 Operator : UM/NP  
 Sample : PB87049BL  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB87049BL

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-BG120215.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         | 2.990       | 21            | 26          | 44           | rVV      | 2220790        | 2972329       | 97.03%          | 17.843%       |
| 2         | 5.187       | 394           | 400         | 410          | rBV      | 115430         | 177893        | 5.81%           | 1.068%        |
| 3         | 5.657       | 474           | 480         | 491          | rVB      | 566685         | 900177        | 29.39%          | 5.404%        |
| 4         | 7.261       | 746           | 753         | 761          | rBV      | 594104         | 1014457       | 33.12%          | 6.090%        |
| 5         | 7.643       | 811           | 818         | 827          | rBV      | 587367         | 981798        | 32.05%          | 5.894%        |
| 6         | 8.113       | 891           | 898         | 905          | rBV      | 106656         | 182019        | 5.94%           | 1.093%        |
| 7         | 8.442       | 946           | 954         | 964          | rVB      | 432478         | 719538        | 23.49%          | 4.319%        |
| 8         | 9.282       | 1089          | 1097        | 1105         | rBV      | 366184         | 636644        | 20.78%          | 3.822%        |
| 9         | 10.933      | 1371          | 1378        | 1387         | rBV      | 161489         | 280814        | 9.17%           | 1.686%        |
| 10        | 13.372      | 1786          | 1793        | 1801         | rBV      | 1123148        | 1658463       | 54.14%          | 9.956%        |
| 11        | 14.747      | 2020          | 2027        | 2035         | rVB2     | 287709         | 454104        | 14.82%          | 2.726%        |
| 12        | 16.227      | 2272          | 2279        | 2291         | rBV      | 1014131        | 1468874       | 47.95%          | 8.818%        |
| 13        | 17.485      | 2486          | 2493        | 2502         | rVB2     | 405278         | 609896        | 19.91%          | 3.661%        |
| 14        | 20.087      | 2930          | 2936        | 2943         | rBV      | 2340241        | 3063169       | 100.00%         | 18.388%       |
| 15        | 21.756      | 3214          | 3220        | 3228         | rBV      | 479488         | 815861        | 26.63%          | 4.898%        |
| 16        | 25.040      | 3769          | 3779        | 3791         | rBV      | 267144         | 722157        | 23.58%          | 4.335%        |

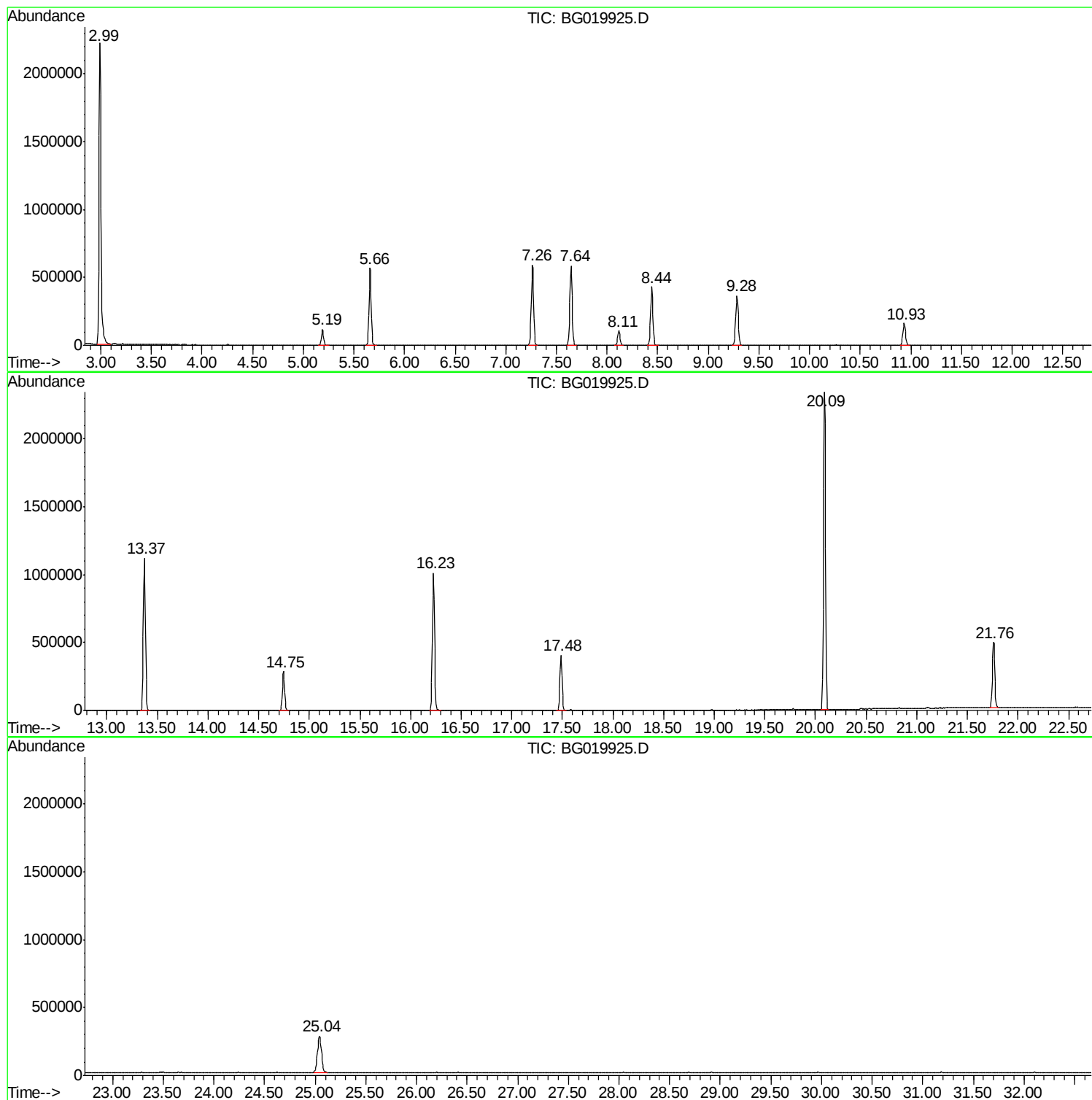
Sum of corrected areas: 16658193

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TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



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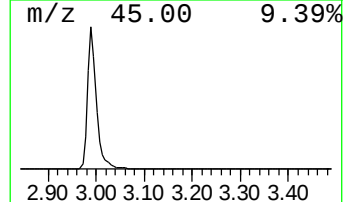
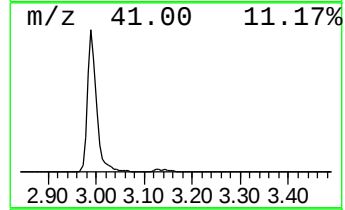
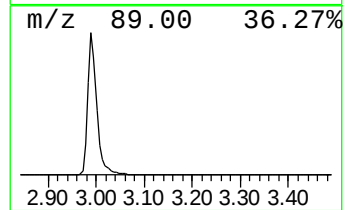
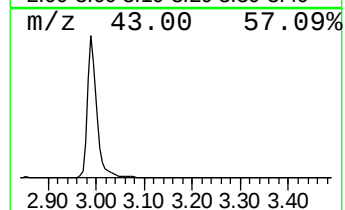
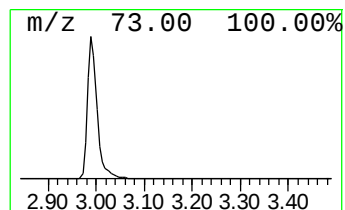
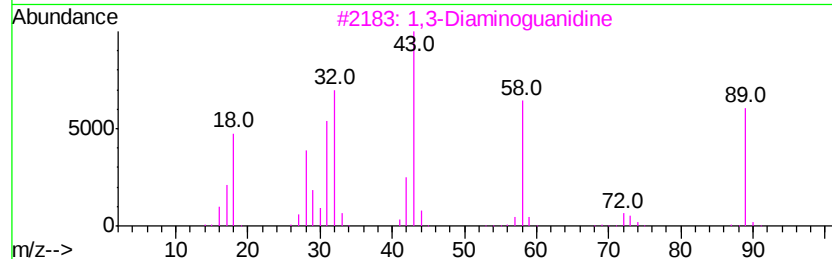
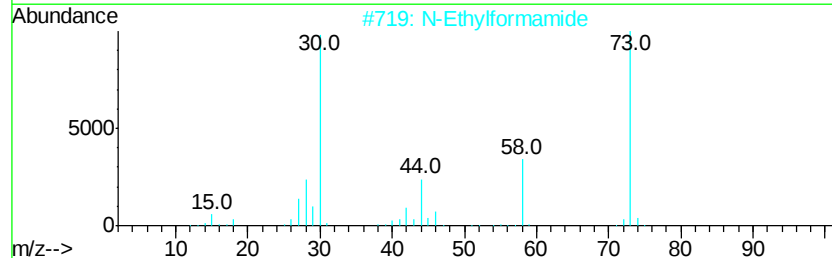
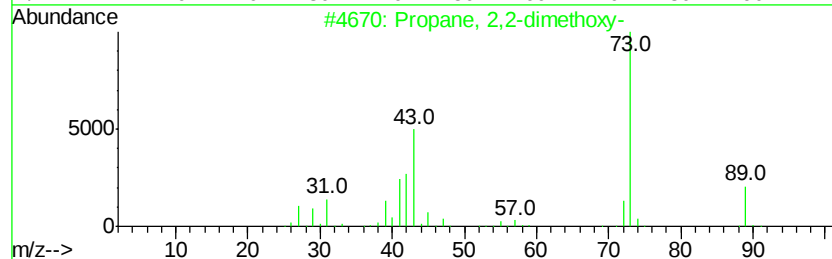
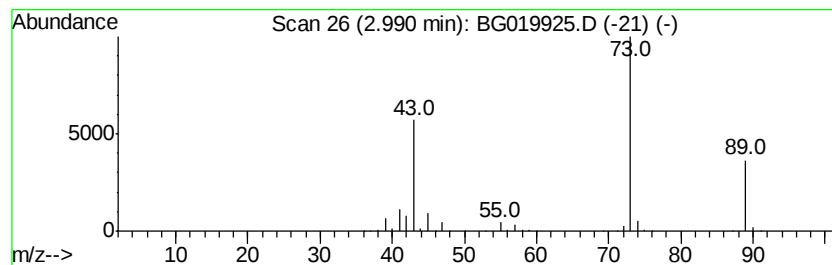
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Propane, 2,2-dimethoxy- Concentration Rank 1

| R.T.      | EstConc                             | Area    | Relative to ISTD       | R.T.        |      |
|-----------|-------------------------------------|---------|------------------------|-------------|------|
| 2.99      | 326.60 ng                           | 2972330 | 1,4-Dichlorobenzene-d4 | 8.12        |      |
| Hit# of 5 | Tentative ID                        | MW      | MolForm                | CAS#        | Qual |
| 1         | Propane, 2,2-dimethoxy-             | 104     | C5H12O2                | 000077-76-9 | 64   |
| 2         | N-Ethylformamide                    | 73      | C3H7NO                 | 000627-45-2 | 9    |
| 3         | 1,3-Diaminoquanidine                | 89      | CH7N5                  | 004364-78-7 | 9    |
| 4         | 1-Propanol, 2-methyl-               | 74      | C4H10O                 | 000078-83-1 | 9    |
| 5         | 1-Hexen-4-ol, 1-chloro-3,5-dimet... | 162     | C8H15ClO               | 100244-09-5 | 9    |



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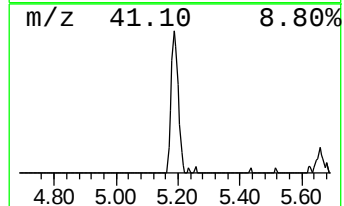
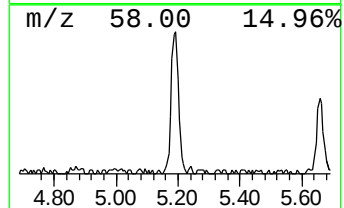
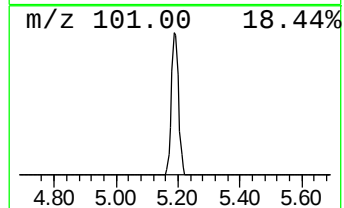
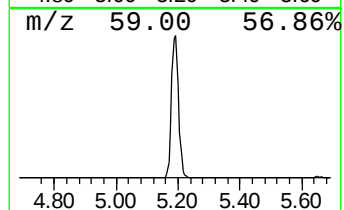
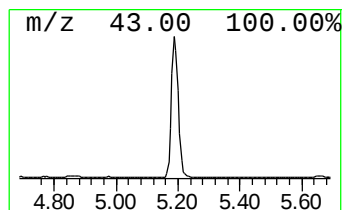
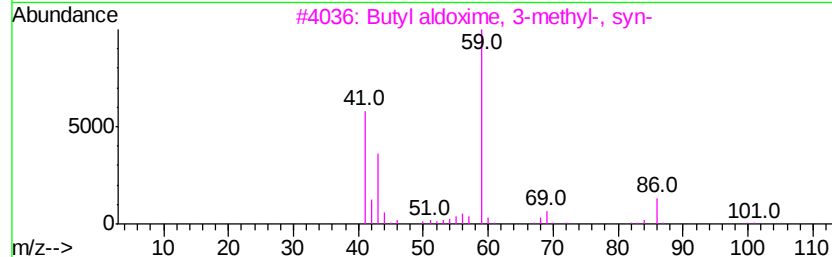
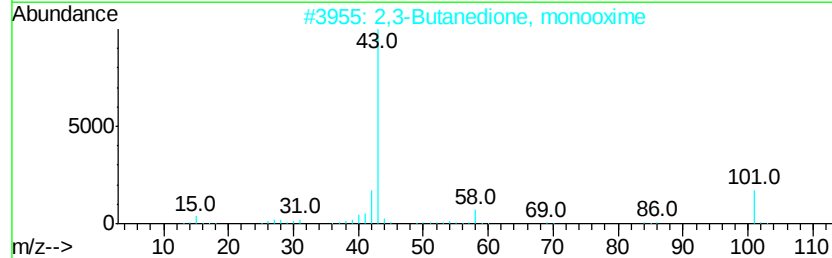
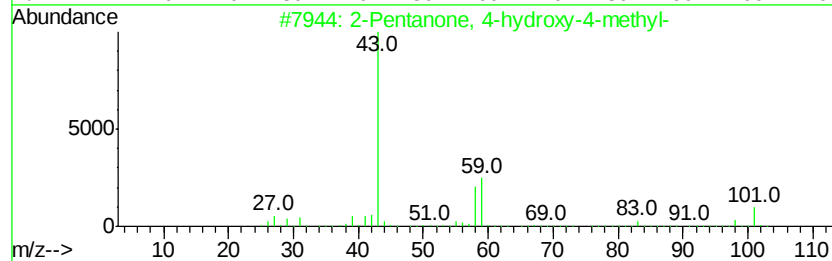
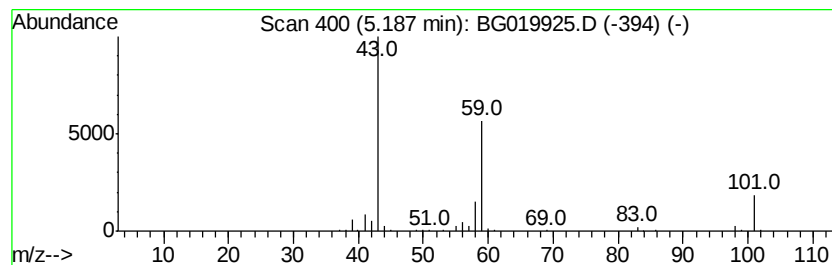
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Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 5.19 | 19.55 ng | 177893 | 1,4-Dichlorobenzene-d4 | 8.12 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 50   |
| 2    |    | 2,3-Butanedione, monooxime          | 101 | C4H7NO2 | 000057-71-6 | 27   |
| 3    |    | Butyl aldoxime, 3-methyl-, syn-     | 101 | C5H11NO | 005780-40-5 | 23   |
| 4    |    | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 23   |
| 5    |    | 1-Propen-2-ol, acetate              | 100 | C5H8O2  | 000108-22-5 | 10   |



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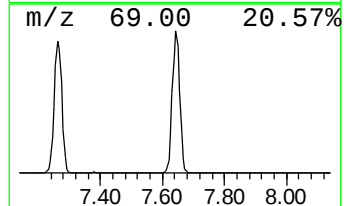
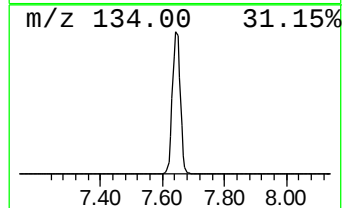
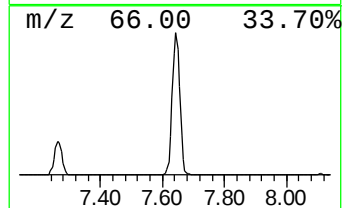
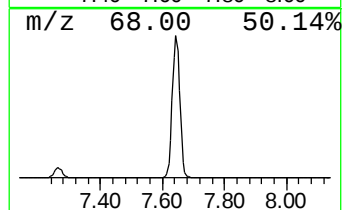
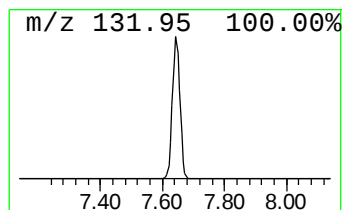
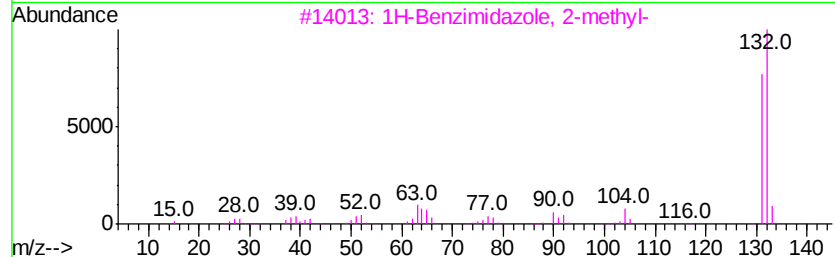
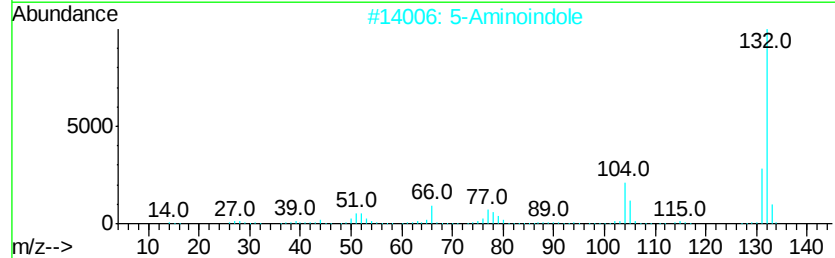
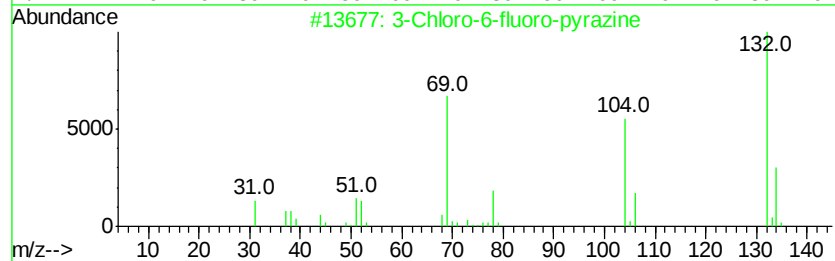
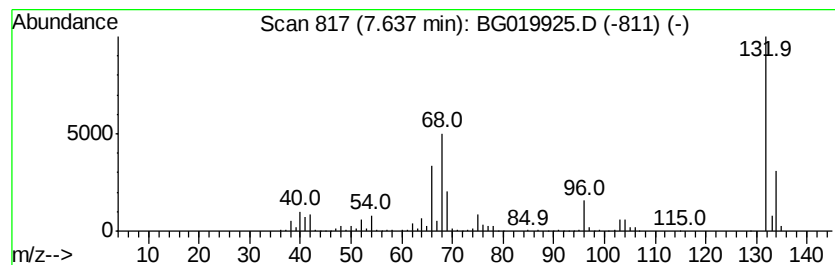
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TIC Integration Parameters: LSCINT.P

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Peak Number 3 unknown7.64 Concentration Rank 2

| R.T. | EstConc   | Area   | Relative to ISTD       | R.T. |
|------|-----------|--------|------------------------|------|
| 7.64 | 107.88 ng | 981798 | 1,4-Dichlorobenzene-d4 | 8.12 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | 5-Aminoindole                    | 132 | C8H8N2    | 005192-03-0  | 22   |
| 3    |    | 1H-Benzimidazole, 2-methyl-      | 132 | C8H8N2    | 000615-15-6  | 22   |
| 4    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 12   |
| 5    |    | (5-METHYL-2-PYRIDYL)ACETONITRILE | 132 | C8H8N2    | 1000241-93-9 | 10   |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| Propane, 2,2-dime... | 2.99 | 326.6   | ng    | 2972330  | 1                     | 8.12 | 182019 | 20.0 |
| 2-Pentanone, 4-hy... | 5.19 | 19.6    | ng    | 177893   | 1                     | 8.12 | 182019 | 20.0 |
| unknown7.64          | 7.64 | 107.9   | ng    | 981798   | 1                     | 8.12 | 182019 | 20.0 |