

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120315\  
 Data File : BG019879.D  
 Acq On : 3 Dec 2015 20:41  
 Operator : UM/NP  
 Sample : G4598-03  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 112715-A263-F-D-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:\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         | 3.143       | 47            | 52          | 61           | rBV      | 55227          | 105565        | 3.66%           | 0.996%        |
| 2         | 3.220       | 61            | 65          | 82           | rVB      | 158722         | 235837        | 8.19%           | 2.224%        |
| 3         | 5.194       | 393           | 401         | 410          | rVB      | 34100          | 54597         | 1.90%           | 0.515%        |
| 4         | 5.664       | 473           | 481         | 487          | rBV      | 149486         | 241055        | 8.37%           | 2.273%        |
| 5         | 7.262       | 746           | 753         | 762          | rVB      | 107410         | 181039        | 6.28%           | 1.707%        |
| 6         | 7.650       | 808           | 819         | 830          | rBV      | 282454         | 482916        | 16.76%          | 4.555%        |
| 7         | 8.120       | 893           | 899         | 907          | rVB      | 92097          | 153917        | 5.34%           | 1.452%        |
| 8         | 8.449       | 947           | 955         | 963          | rBV      | 387008         | 653004        | 22.67%          | 6.159%        |
| 9         | 9.289       | 1090          | 1098        | 1106         | rBV      | 348163         | 604023        | 20.97%          | 5.697%        |
| 10        | 10.940      | 1371          | 1379        | 1387         | rVB      | 133562         | 238156        | 8.27%           | 2.246%        |
| 11        | 13.378      | 1786          | 1794        | 1807         | rVB      | 1072009        | 1659423       | 57.60%          | 15.651%       |
| 12        | 14.753      | 2017          | 2028        | 2037         | rBV2     | 233986         | 385833        | 13.39%          | 3.639%        |
| 13        | 16.234      | 2273          | 2280        | 2289         | rBV      | 635865         | 934176        | 32.43%          | 8.811%        |
| 14        | 17.497      | 2488          | 2495        | 2502         | rBV      | 329834         | 503201        | 17.47%          | 4.746%        |
| 15        | 18.373      | 2640          | 2644        | 2651         | rBV2     | 27537          | 38557         | 1.34%           | 0.364%        |
| 16        | 20.100      | 2932          | 2938        | 2946         | rVB      | 2204636        | 2880956       | 100.00%         | 27.172%       |
| 17        | 21.769      | 3216          | 3222        | 3229         | rBV      | 388566         | 648867        | 22.52%          | 6.120%        |
| 18        | 25.065      | 3773          | 3783        | 3795         | rVB2     | 217447         | 601697        | 20.89%          | 5.675%        |

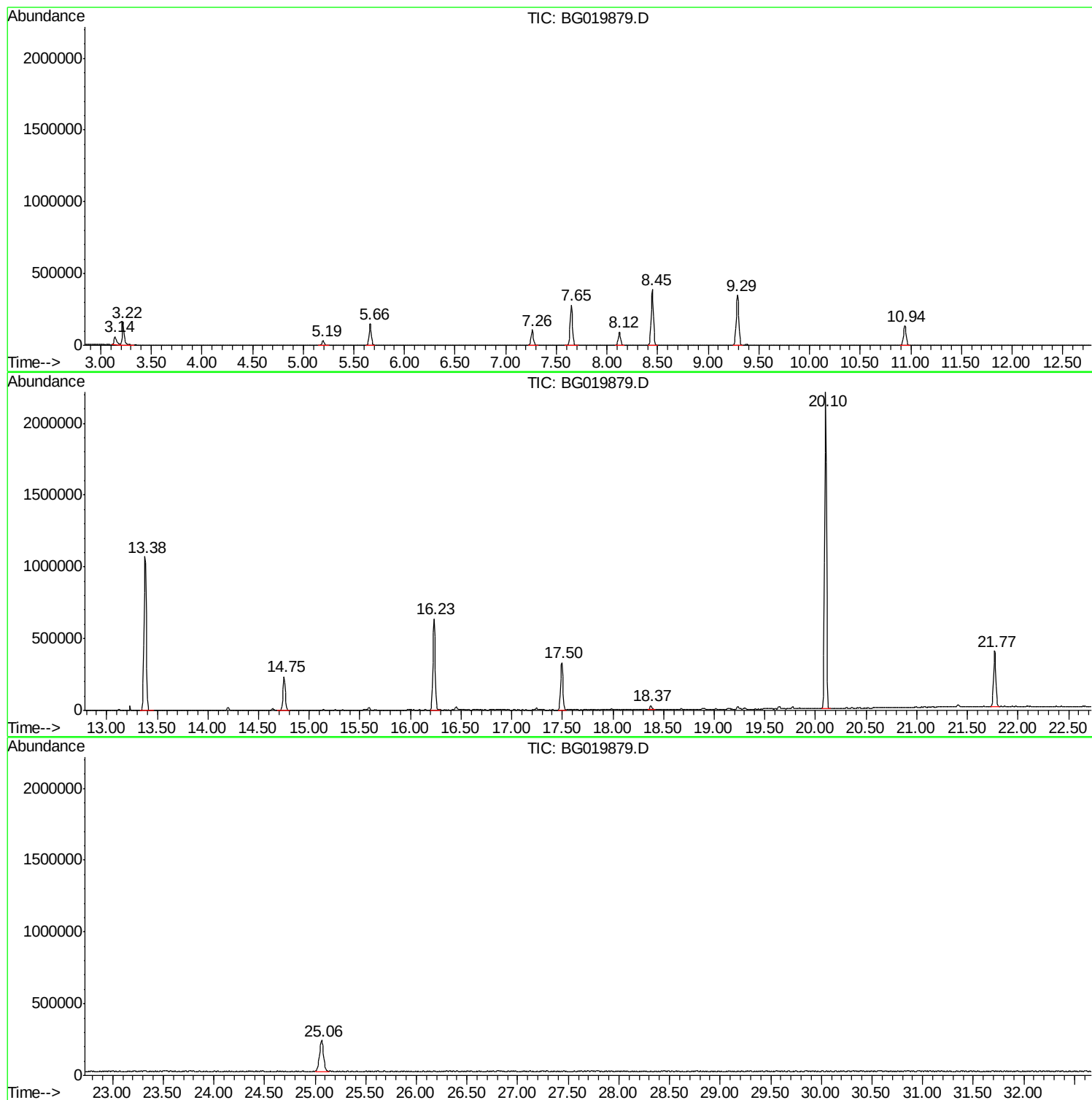
Sum of corrected areas: 10602819

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



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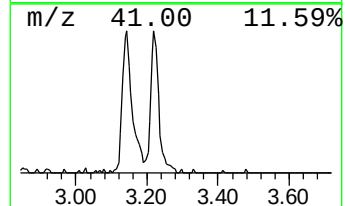
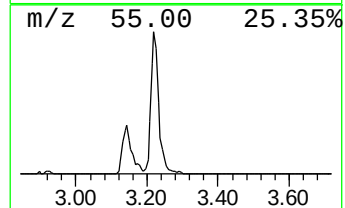
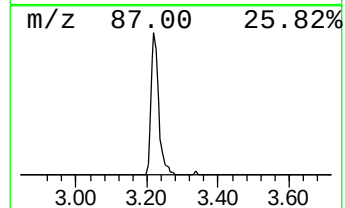
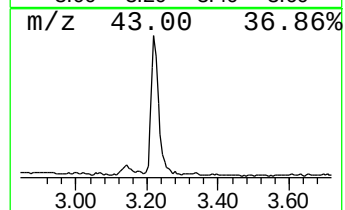
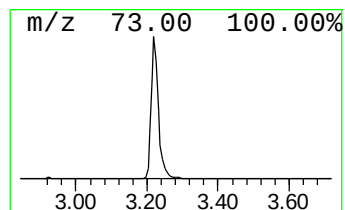
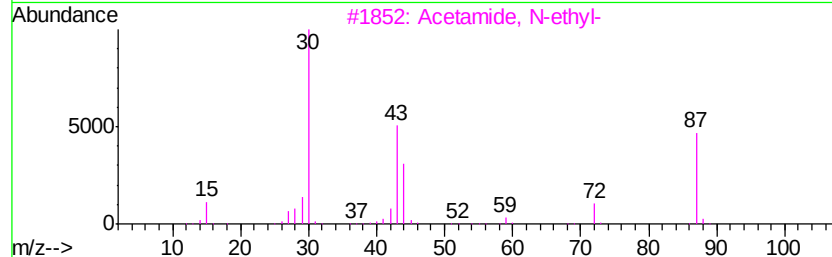
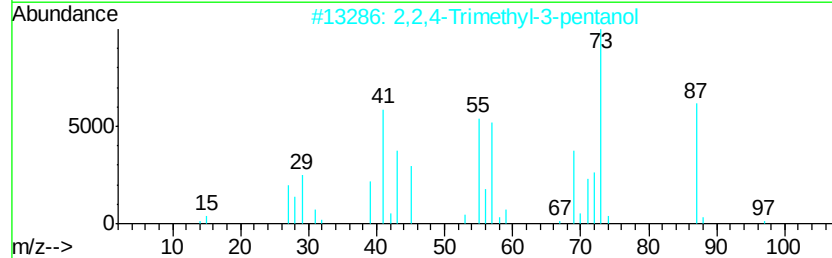
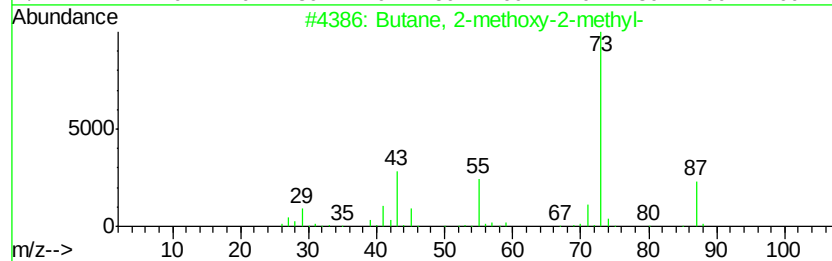
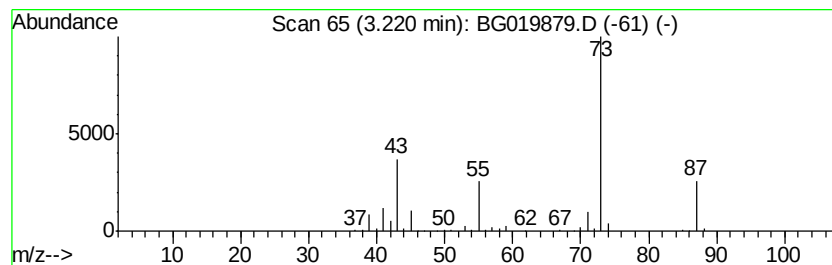
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 3

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 3.22 | 30.64 ng | 235837 | 1,4-Dichlorobenzene-d4 | 8.13 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 83   |
| 2    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 40   |
| 3    |    | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 22   |
| 4    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 17   |
| 5    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 12   |



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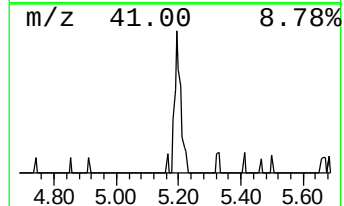
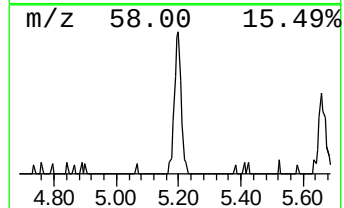
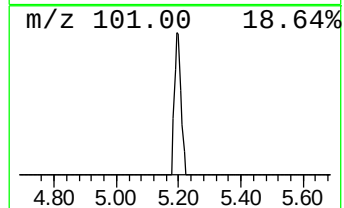
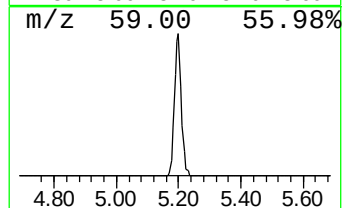
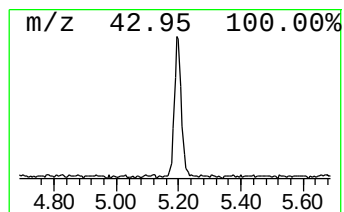
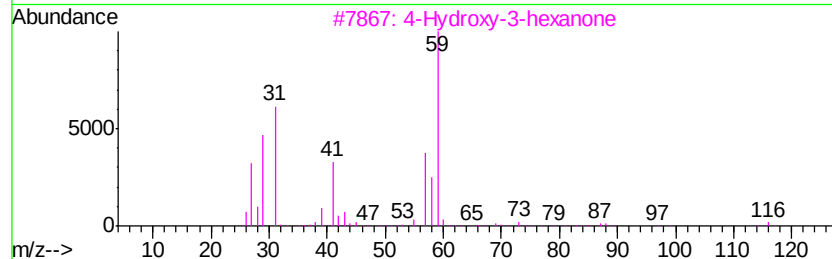
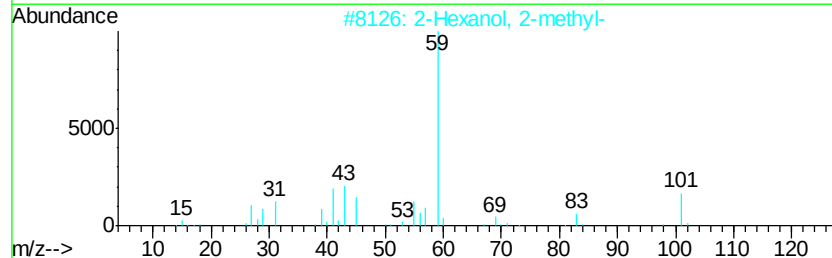
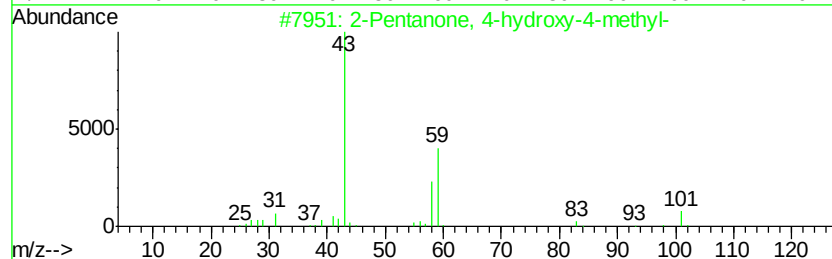
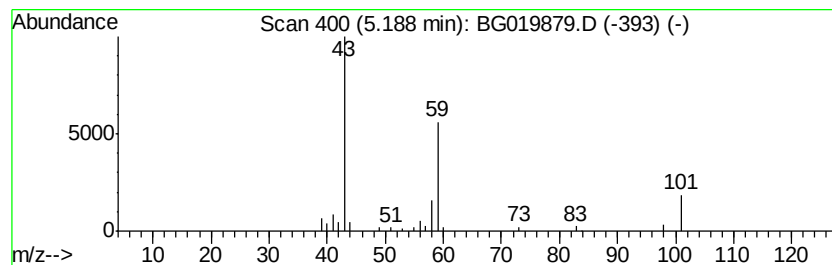
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Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 5.19 | 7.09 ng | 54597 | 1,4-Dichlorobenzene-d4 | 8.13 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm  | CAS#        | Qual |
|------|----|---|----------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2  | 000123-42-2 | 45   |
| 2    |    |   | 2-Hexanol, 2-methyl-             | 116 | C7H16O   | 000625-23-0 | 33   |
| 3    |    |   | 4-Hydroxy-3-hexanone             | 116 | C6H12O2  | 004984-85-4 | 25   |
| 4    |    |   | 1,8-Nonanediol, 8-methyl-        | 174 | C10H22O2 | 054725-73-4 | 17   |
| 5    |    |   | 3-Hydroxy-3-methyl-2-butanone    | 102 | C5H10O2  | 000115-22-0 | 17   |



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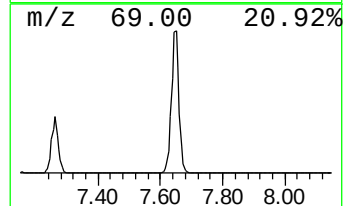
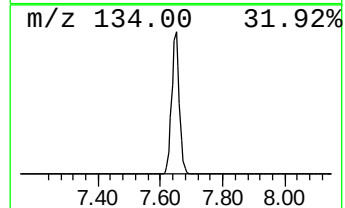
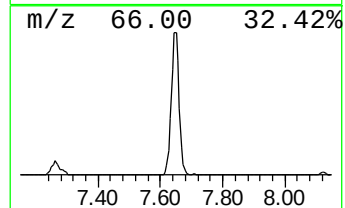
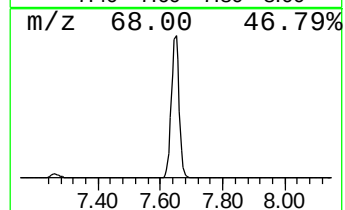
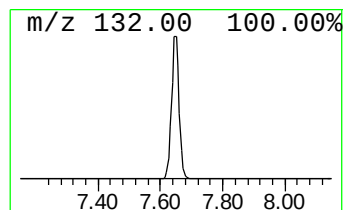
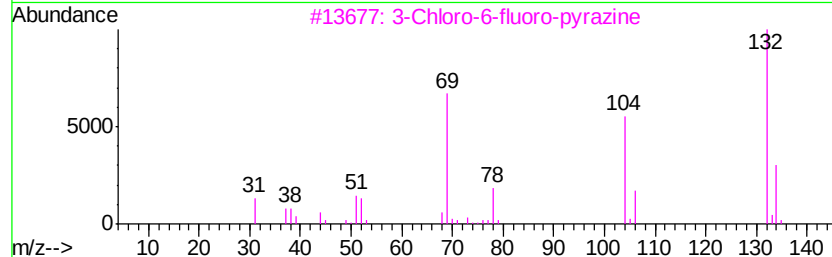
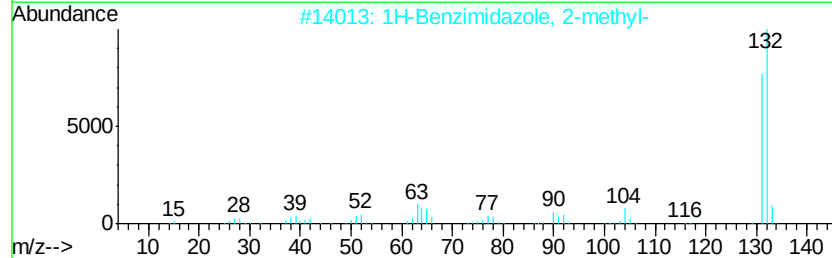
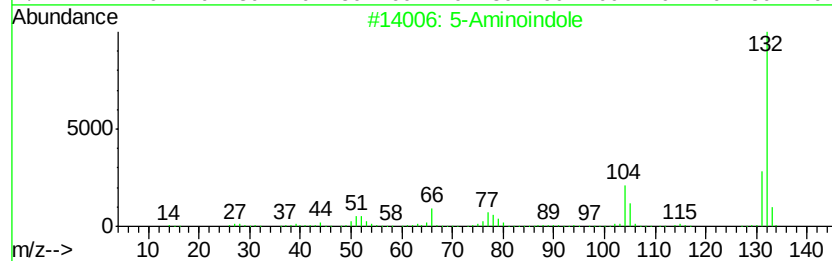
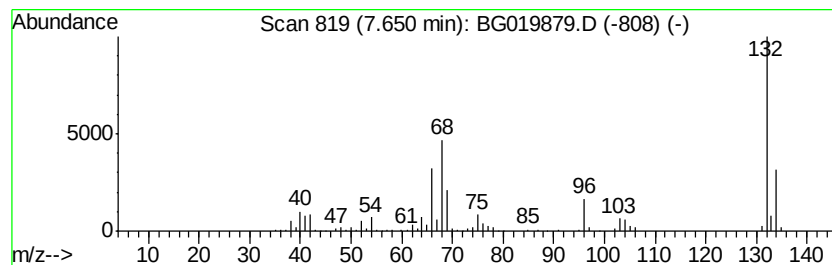
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Peak Number 4 unknown7.65 Concentration Rank 2

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 7.65 | 62.75 ng | 482916 | 1,4-Dichlorobenzene-d4 | 8.13 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 5-Aminoindole                    | 132 | C8H8N2    | 005192-03-0  | 22   |
| 2    |    | 1H-Benzimidazole, 2-methyl-      | 132 | C8H8N2    | 000615-15-6  | 22   |
| 3    |    | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 16   |
| 4    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 16   |
| 5    |    | 1,3-Cyclopentanedione, 2-chloro- | 132 | C5H5ClO2  | 014203-19-1  | 13   |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| Butane, 2-methoxy... | 3.22 | 30.6    | ng    | 235837   | 1                     | 8.13 | 153917 | 20.0 |
| 2-Pentanone, 4-hy... | 5.19 | 7.1     | ng    | 54597    | 1                     | 8.13 | 153917 | 20.0 |
| unknown7.65          | 7.65 | 62.8    | ng    | 482916   | 1                     | 8.13 | 153917 | 20.0 |