

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120315\  
 Data File : BG019881.D  
 Acq On : 3 Dec 2015 21:58  
 Operator : UM/NP  
 Sample : G4598-05  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 112815-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         | 3.140       | 46            | 51          | 60           | rBV      | 61453          | 119819        | 4.18%           | 1.135%        |
| 2         | 3.222       | 60            | 65          | 79           | rVB      | 167373         | 250713        | 8.75%           | 2.376%        |
| 3         | 5.196       | 396           | 401         | 408          | rVB      | 37146          | 52175         | 1.82%           | 0.494%        |
| 4         | 5.660       | 474           | 480         | 490          | rVB      | 168202         | 260753        | 9.10%           | 2.471%        |
| 5         | 7.258       | 746           | 752         | 762          | rBV      | 114980         | 195625        | 6.82%           | 1.854%        |
| 6         | 7.646       | 811           | 818         | 828          | rVB      | 300418         | 495890        | 17.30%          | 4.699%        |
| 7         | 8.122       | 892           | 899         | 906          | rVB      | 88459          | 149136        | 5.20%           | 1.413%        |
| 8         | 8.445       | 945           | 954         | 962          | rBV      | 381120         | 664369        | 23.18%          | 6.296%        |
| 9         | 9.291       | 1090          | 1098        | 1105         | rBV      | 342206         | 608824        | 21.24%          | 5.769%        |
| 10        | 10.942      | 1371          | 1379        | 1388         | rVB      | 132515         | 230968        | 8.06%           | 2.189%        |
| 11        | 13.381      | 1787          | 1794        | 1803         | rVB      | 1072682        | 1632300       | 56.94%          | 15.468%       |
| 12        | 14.749      | 2021          | 2027        | 2035         | rVB2     | 229527         | 376588        | 13.14%          | 3.569%        |
| 13        | 16.230      | 2272          | 2279        | 2287         | rBV      | 607978         | 927585        | 32.36%          | 8.790%        |
| 14        | 17.493      | 2488          | 2494        | 2501         | rVB2     | 333471         | 485310        | 16.93%          | 4.599%        |
| 15        | 18.375      | 2640          | 2644        | 2651         | rBV4     | 24084          | 34775         | 1.21%           | 0.330%        |
| 16        | 20.102      | 2931          | 2938        | 2944         | rBV      | 2154398        | 2866572       | 100.00%         | 27.165%       |
| 17        | 21.771      | 3215          | 3222        | 3231         | rBV      | 391303         | 635412        | 22.17%          | 6.021%        |
| 18        | 25.061      | 3773          | 3782        | 3792         | rVB2     | 198874         | 565726        | 19.74%          | 5.361%        |

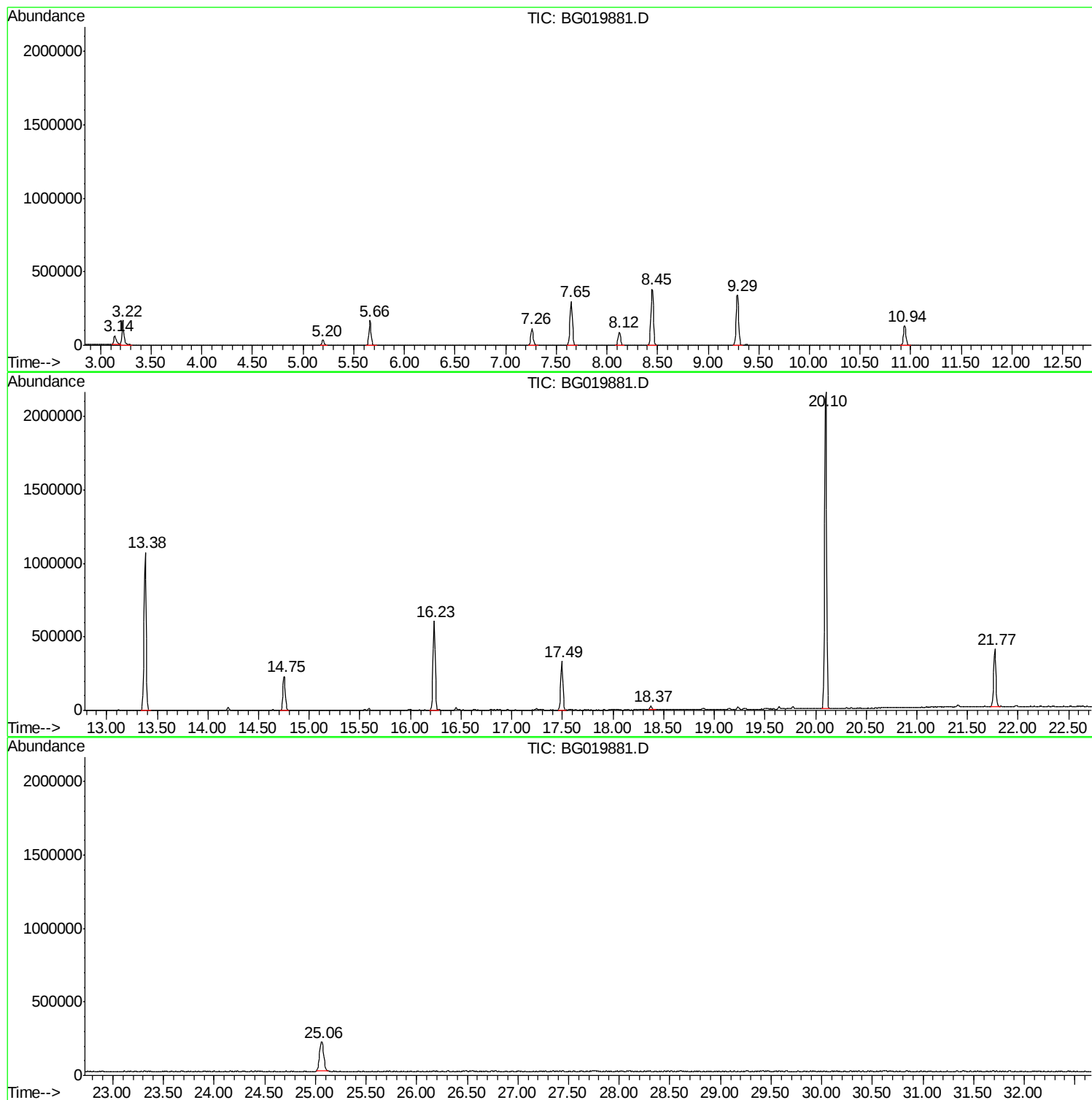
Sum of corrected areas: 10552540

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



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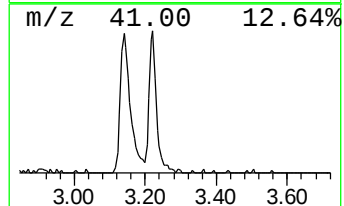
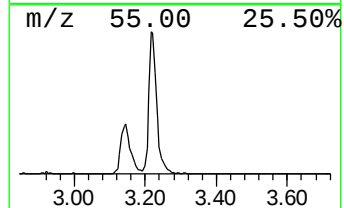
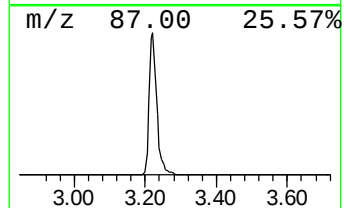
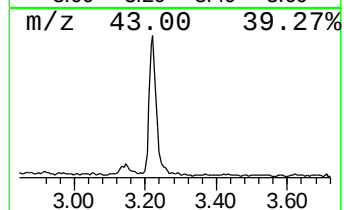
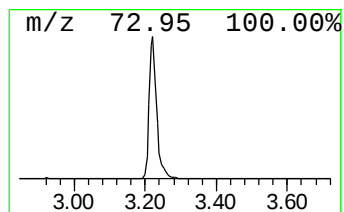
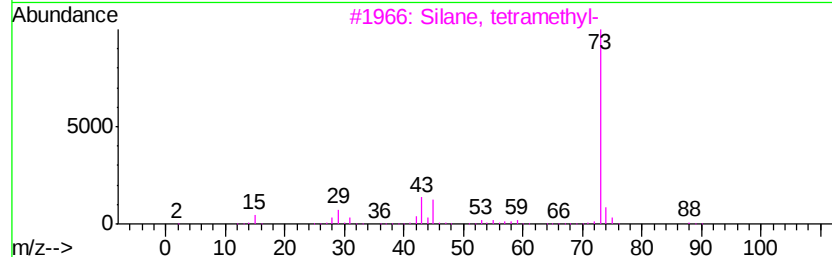
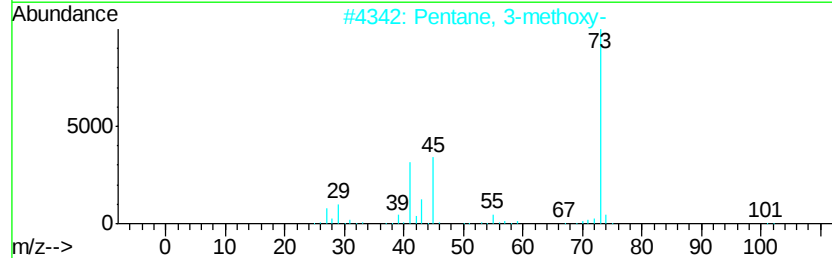
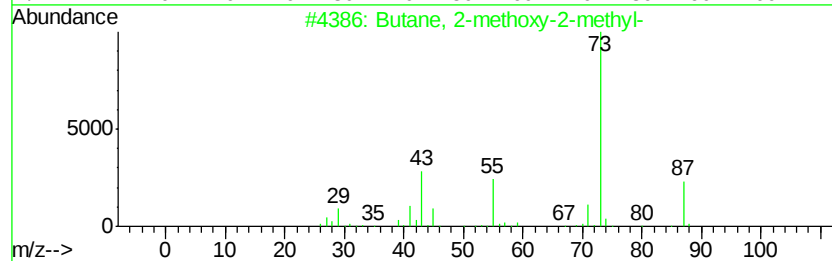
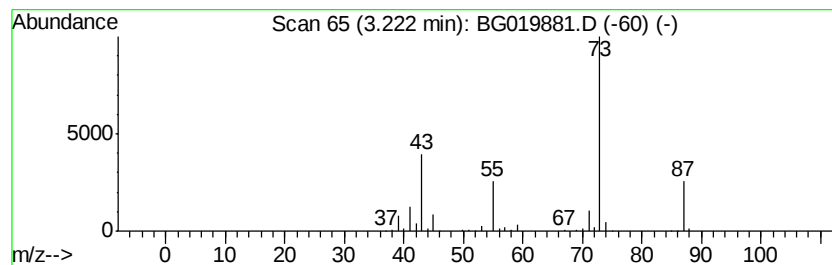
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 3.22 | 33.62 ng | 250713 | 1,4-Dichlorobenzene-d4 | 8.12 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 83   |
| 2    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 12   |
| 3    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 10   |
| 4    |    | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 9    |
| 5    |    | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 9    |



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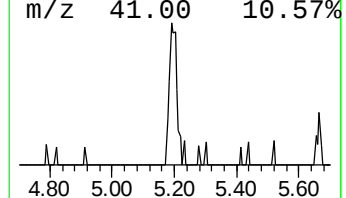
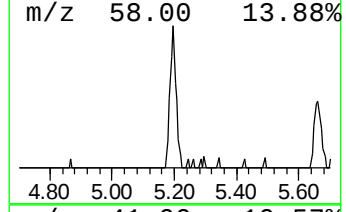
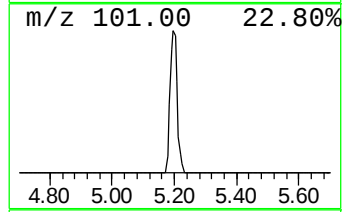
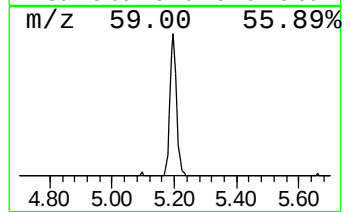
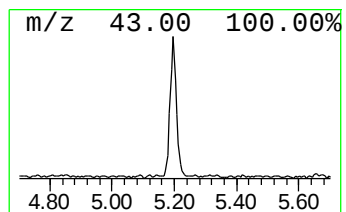
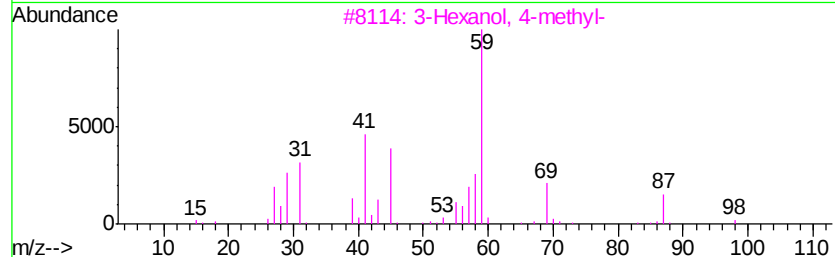
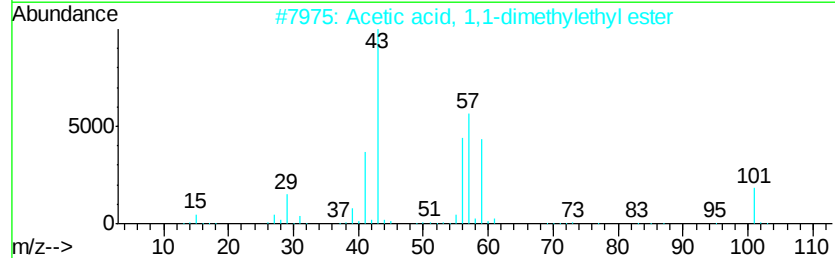
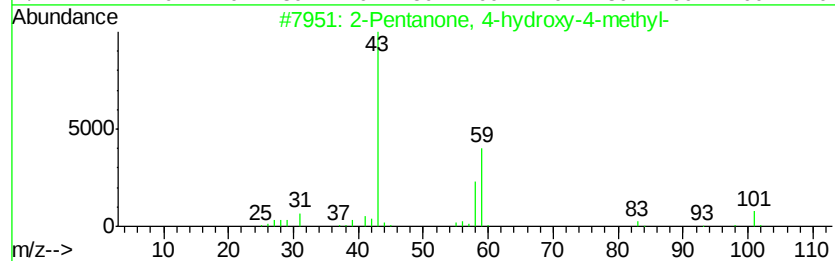
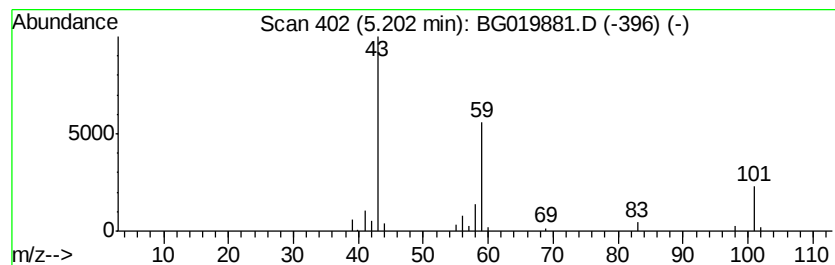
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Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 5.20 | 7.00 ng | 52175 | 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 | 42   |
| 2    |    | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 38   |
| 3    |    | 3-Hexanol, 4-methyl-                | 116 | C7H16O  | 000615-29-2 | 28   |
| 4    |    | 2,3-Butanedione, monooxime          | 101 | C4H7NO2 | 000057-71-6 | 25   |
| 5    |    | 3-Heptanol                          | 116 | C7H16O  | 000589-82-2 | 25   |



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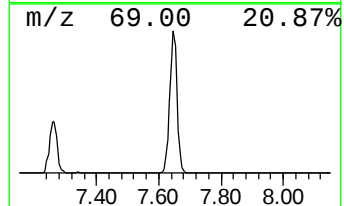
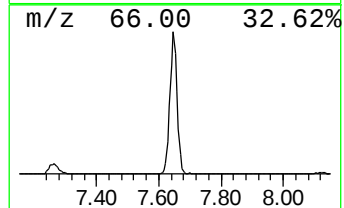
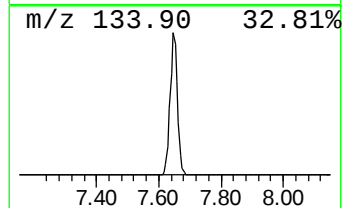
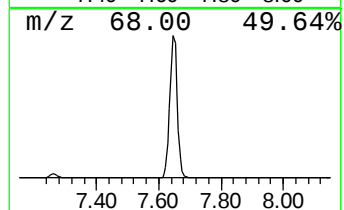
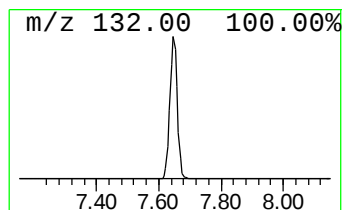
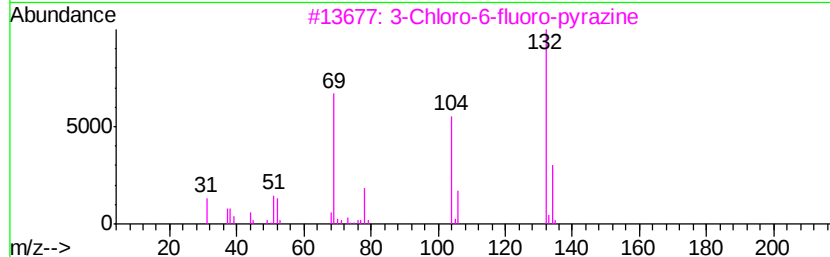
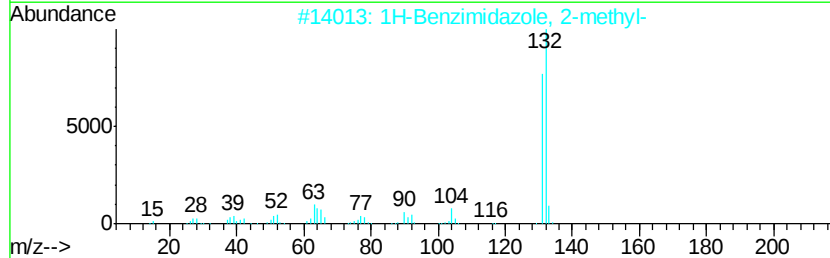
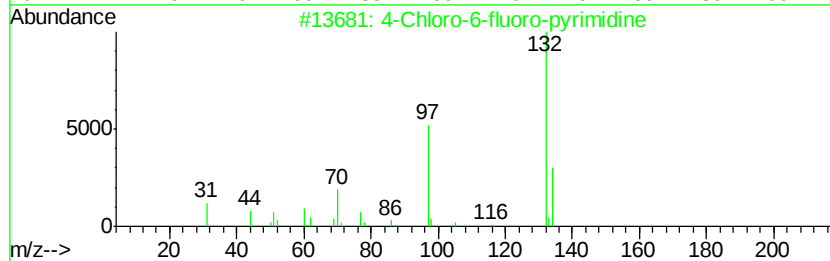
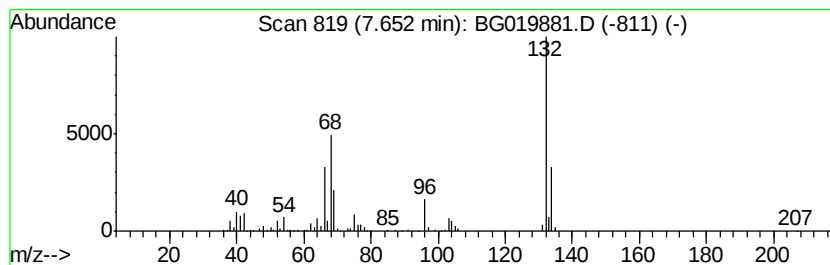
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Peak Number 4 unknown7.65 Concentration Rank 2

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 7.65 | 66.50 ng | 495890 | 1,4-Dichlorobenzene-d4 | 8.12 |

| Hit# | of | Tentative ID                 | MW  | MolForm   | CAS#         | Qual |
|------|----|------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 4-Chloro-6-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-01-6  | 27   |
| 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  | 12   |
| 5    |    | 5-Aminoindole                | 132 | C8H8N2    | 005192-03-0  | 12   |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| Butane, 2-methoxy... | 3.22 | 33.6    | ng    | 250713   | 1                     | 8.12 | 149136 | 20.0 |
| 2-Pentanone, 4-hy... | 5.20 | 7.0     | ng    | 52175    | 1                     | 8.12 | 149136 | 20.0 |
| unknown7.65          | 7.65 | 66.5    | ng    | 495890   | 1                     | 8.12 | 149136 | 20.0 |