

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG101215\  
 Data File : BG019153.D  
 Acq On : 12 Oct 2015 9:14  
 Operator : UM/NP  
 Sample : G3978-06  
 Misc :  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW25

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-BG101015.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       | 46            | 52          | 60           | rBV      | 55895          | 92128         | 5.08%           | 1.105%        |
| 2         | 3.213       | 60            | 64          | 78           | rVB      | 203360         | 280777        | 15.47%          | 3.367%        |
| 3         | 5.135       | 384           | 391         | 398          | rBV      | 70774          | 103243        | 5.69%           | 1.238%        |
| 4         | 5.605       | 465           | 471         | 481          | rBV      | 174434         | 267260        | 14.73%          | 3.205%        |
| 5         | 7.191       | 735           | 741         | 750          | rBV      | 117205         | 194384        | 10.71%          | 2.331%        |
| 6         | 7.567       | 798           | 805         | 813          | rBV      | 325921         | 536344        | 29.56%          | 6.432%        |
| 7         | 8.031       | 878           | 884         | 890          | rVB      | 71140          | 113107        | 6.23%           | 1.356%        |
| 8         | 8.354       | 931           | 939         | 948          | rBV      | 278938         | 471935        | 26.01%          | 5.660%        |
| 9         | 9.195       | 1073          | 1082        | 1092         | rVB      | 269063         | 476753        | 26.27%          | 5.718%        |
| 10        | 10.834      | 1353          | 1361        | 1370         | rVB      | 102578         | 184493        | 10.17%          | 2.213%        |
| 11        | 13.284      | 1771          | 1778        | 1785         | rBV      | 764634         | 1181846       | 65.13%          | 14.174%       |
| 12        | 14.107      | 1913          | 1918        | 1924         | rVB      | 27774          | 35575         | 1.96%           | 0.427%        |
| 13        | 14.659      | 2006          | 2012        | 2021         | rBV2     | 178074         | 280999        | 15.49%          | 3.370%        |
| 14        | 16.145      | 2258          | 2265        | 2275         | rBV      | 662105         | 1007796       | 55.54%          | 12.086%       |
| 15        | 17.403      | 2473          | 2479        | 2486         | rBV2     | 243886         | 363721        | 20.04%          | 4.362%        |
| 16        | 18.296      | 2626          | 2631        | 2637         | rBV4     | 15643          | 25404         | 1.40%           | 0.305%        |
| 17        | 20.017      | 2919          | 2924        | 2930         | rBV      | 1355110        | 1814552       | 100.00%         | 21.762%       |
| 18        | 21.322      | 3141          | 3146        | 3155         | rBV7     | 11031          | 27260         | 1.50%           | 0.327%        |
| 19        | 21.674      | 3200          | 3206        | 3218         | rVB      | 271933         | 451572        | 24.89%          | 5.416%        |
| 20        | 24.900      | 3744          | 3755        | 3772         | rBV2     | 149088         | 429204        | 23.65%          | 5.147%        |

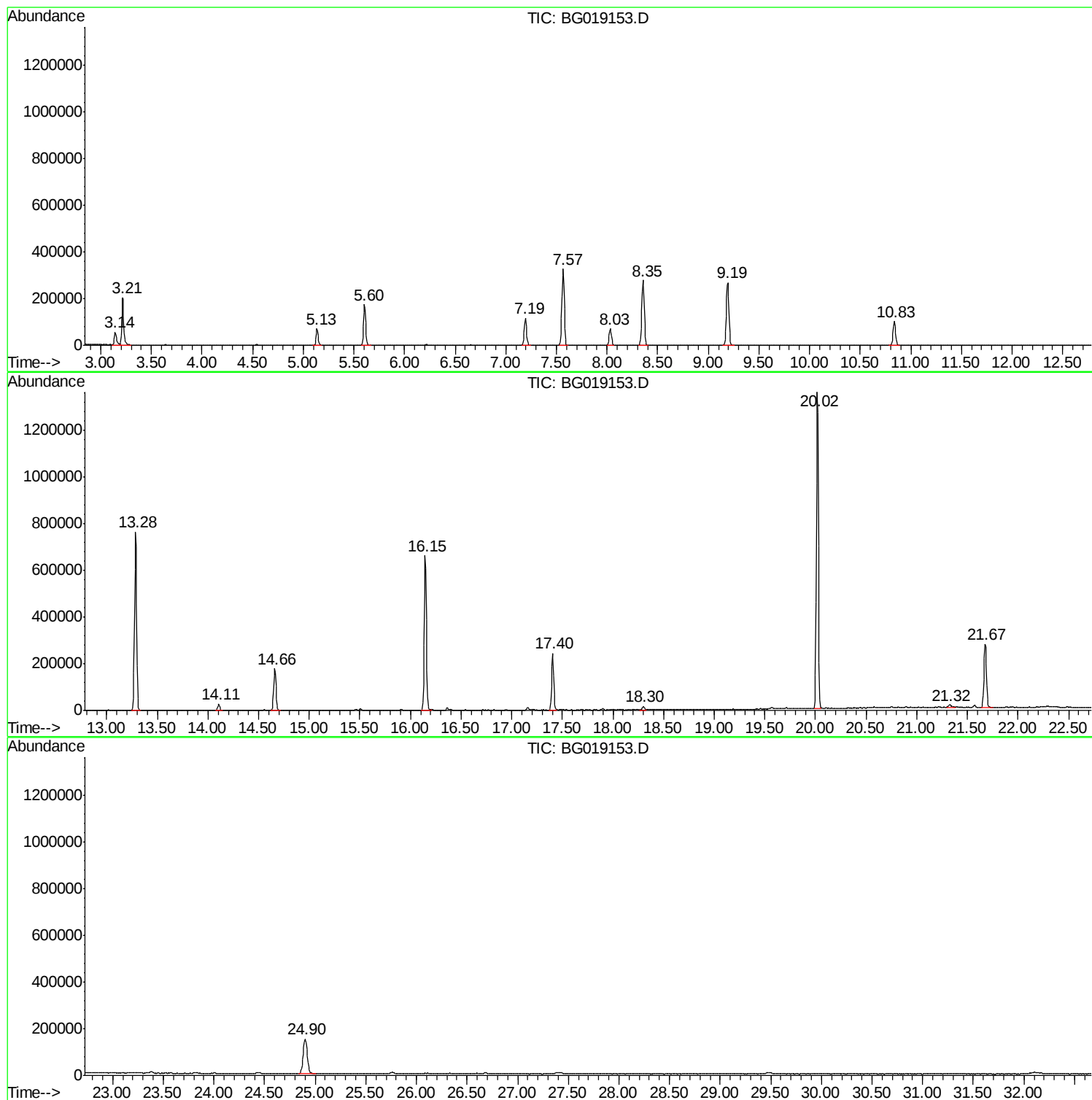
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ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG101015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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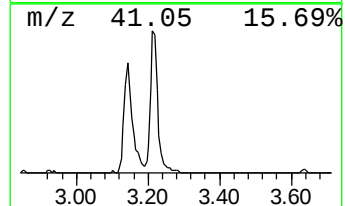
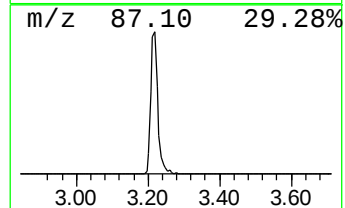
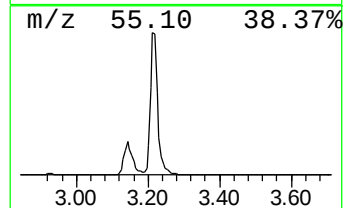
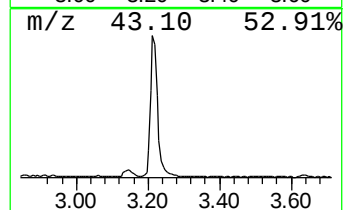
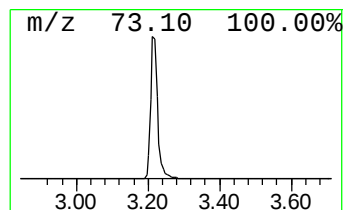
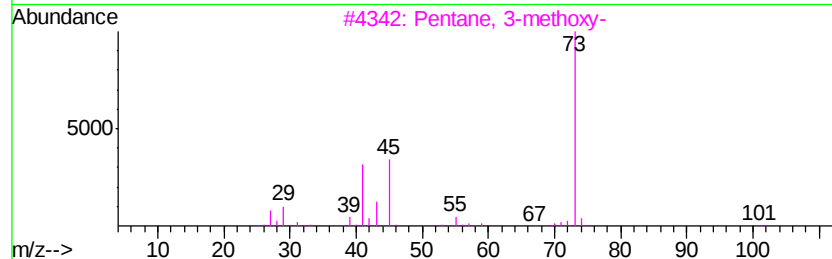
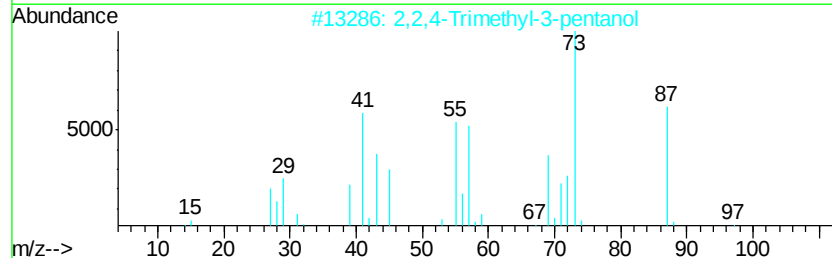
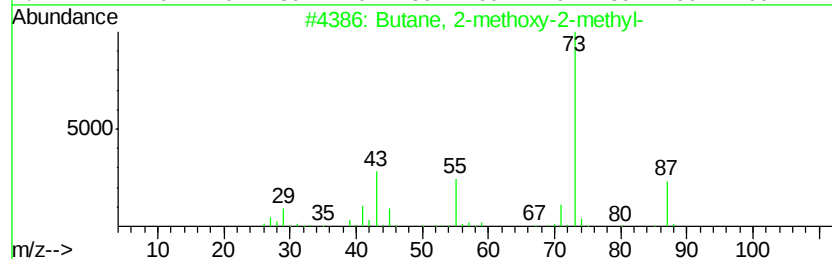
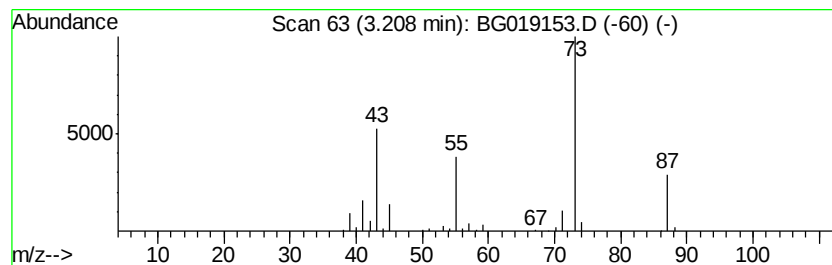
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG101015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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. |
|------|----------|--------|------------------------|------|
| 3.21 | 49.65 ng | 280777 | 1,4-Dichlorobenzene-d4 | 8.03 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 78   |
| 2    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 38   |
| 3    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 17   |
| 4    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 17   |
| 5    |    | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 9    |



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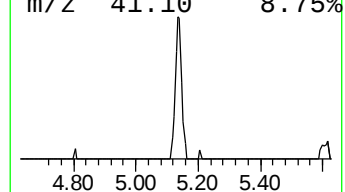
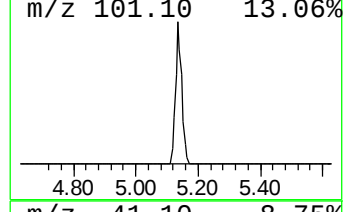
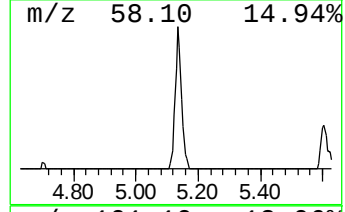
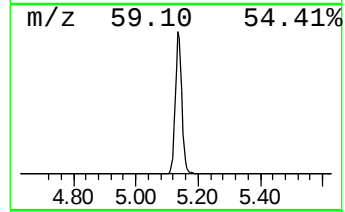
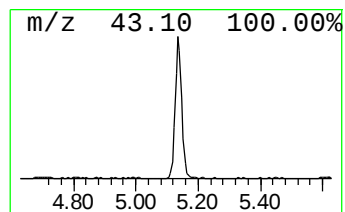
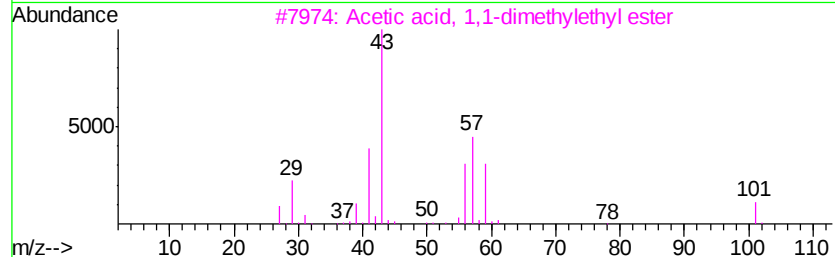
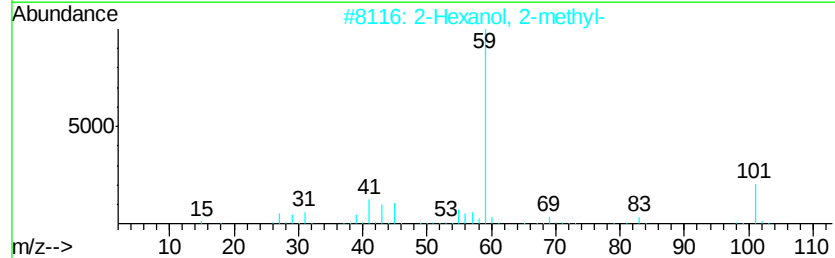
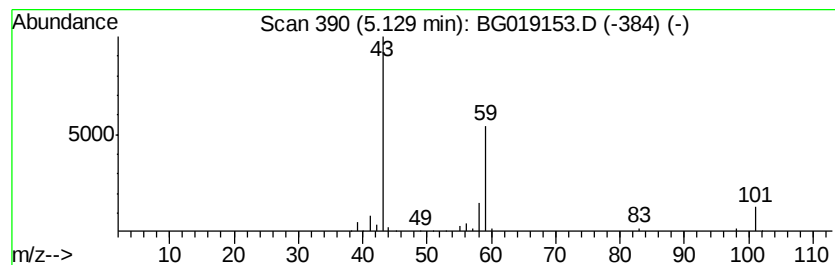
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Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 5.13 | 18.26 ng | 103243 | 1,4-Dichlorobenzene-d4 | 8.03 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 50   |
| 2    |    | 2-Hexanol, 2-methyl-                | 116 | C7H16O  | 000625-23-0 | 28   |
| 3    |    | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 17   |
| 4    |    | Propane, 1-ethoxy-2-methyl-         | 102 | C6H14O  | 000627-02-1 | 9    |
| 5    |    | 3-Hexanol, 4-methyl-                | 116 | C7H16O  | 000615-29-2 | 9    |



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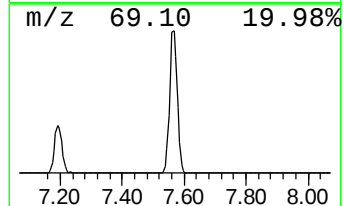
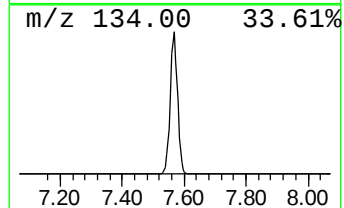
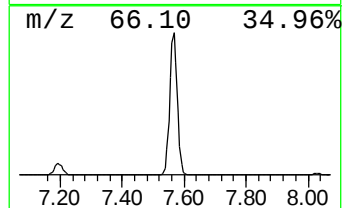
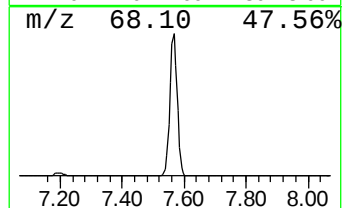
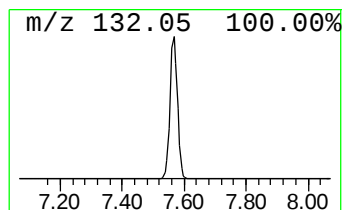
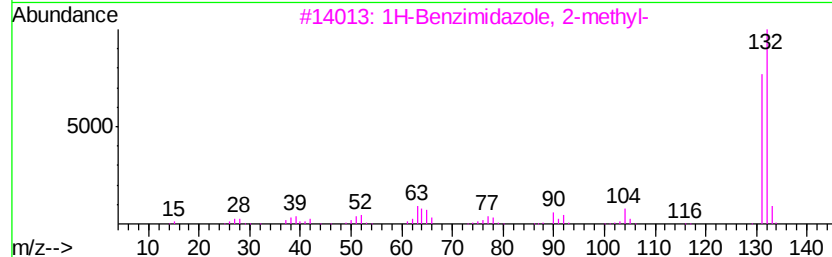
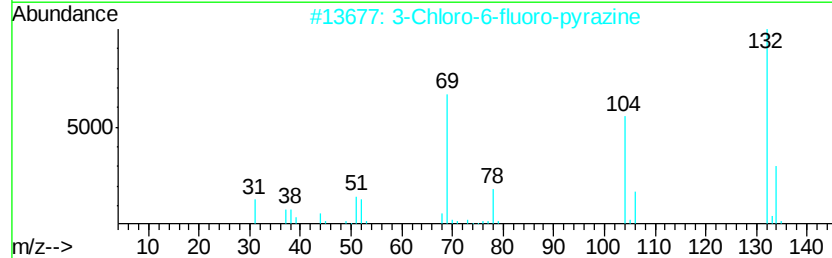
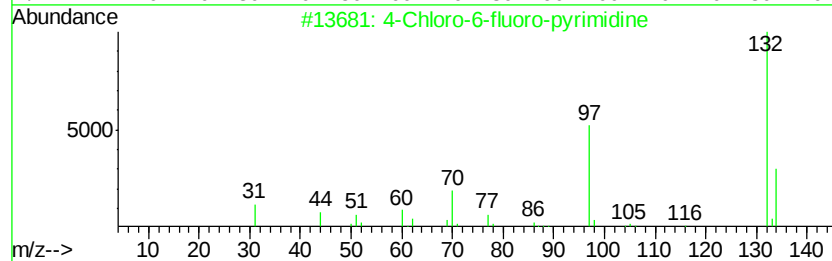
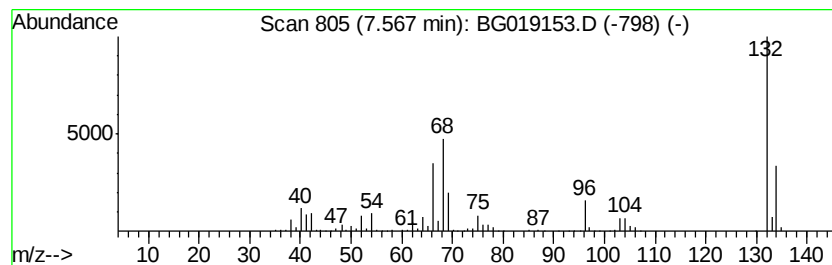
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Peak Number 4 unknown7.57 Concentration Rank 1

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 7.57 | 94.84 ng | 536344 | 1,4-Dichlorobenzene-d4 | 8.03 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 4-Chloro-6-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-01-6  | 27   |
| 2    |    | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 3    |    | 1H-Benzimidazole, 2-methyl-      | 132 | C8H8N2    | 000615-15-6  | 22   |
| 4    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 16   |
| 5    |    | Imidazole, 4,5-dicyano-1-methyl- | 132 | C6H4N4    | 019485-35-9  | 12   |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| Butane, 2-methoxy... | 3.21 | 49.6    | ng    | 280777   | 1                     | 8.03 | 113107 | 20.0 |
| 2-Pentanone, 4-hy... | 5.13 | 18.3    | ng    | 103243   | 1                     | 8.03 | 113107 | 20.0 |
| unknown7.57          | 7.57 | 94.8    | ng    | 536344   | 1                     | 8.03 | 113107 | 20.0 |