

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040518\  
 Data File : BG033601.D  
 Acq On : 5 Apr 2018 20:26  
 Operator : SJ/JU  
 Sample : J2265-02  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PF-3

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG031918.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         | 3.476       | 27            | 32          | 43           | rBV      | 64666          | 137672        | 4.08%           | 0.762%        |
| 2         | 3.570       | 43            | 48          | 57           | rVB      | 48581          | 80103         | 2.38%           | 0.443%        |
| 3         | 5.773       | 417           | 423         | 432          | rVB      | 36815          | 63243         | 1.88%           | 0.350%        |
| 4         | 6.284       | 504           | 510         | 526          | rBV      | 655206         | 1303272       | 38.66%          | 7.215%        |
| 5         | 7.976       | 790           | 798         | 820          | rBV      | 716749         | 1654513       | 49.08%          | 9.160%        |
| 6         | 8.370       | 858           | 865         | 885          | rBV      | 686531         | 1446654       | 42.91%          | 8.009%        |
| 7         | 8.863       | 942           | 949         | 962          | rBV2     | 87032          | 217607        | 6.46%           | 1.205%        |
| 8         | 9.192       | 996           | 1005        | 1021         | rBV      | 453365         | 932656        | 27.67%          | 5.163%        |
| 9         | 10.062      | 1145          | 1153        | 1173         | rBV      | 404926         | 952288        | 28.25%          | 5.272%        |
| 10        | 11.742      | 1431          | 1439        | 1451         | rBV      | 153968         | 330427        | 9.80%           | 1.829%        |
| 11        | 14.104      | 1834          | 1841        | 1856         | rBV      | 1156089        | 1974549       | 58.57%          | 10.931%       |
| 12        | 14.898      | 1969          | 1976        | 1987         | rBV      | 112019         | 180415        | 5.35%           | 0.999%        |
| 13        | 15.479      | 2068          | 2075        | 2085         | rBV2     | 330655         | 585576        | 17.37%          | 3.242%        |
| 14        | 16.243      | 2201          | 2205        | 2210         | rVB      | 38074          | 48051         | 1.43%           | 0.266%        |
| 15        | 16.948      | 2319          | 2325        | 2343         | rBV      | 1242318        | 2122218       | 62.95%          | 11.749%       |
| 16        | 17.095      | 2346          | 2350        | 2357         | rVB      | 34342          | 53242         | 1.58%           | 0.295%        |
| 17        | 17.882      | 2478          | 2484        | 2489         | rBV      | 26628          | 36807         | 1.09%           | 0.204%        |
| 18        | 18.205      | 2533          | 2539        | 2553         | rBV      | 448384         | 770318        | 22.85%          | 4.265%        |
| 19        | 19.004      | 2672          | 2675        | 2679         | rBV2     | 56993          | 71771         | 2.13%           | 0.397%        |
| 20        | 20.726      | 2962          | 2968        | 2983         | rBV      | 2522427        | 3371125       | 100.00%         | 18.663%       |
| 21        | 22.066      | 3191          | 3196        | 3202         | rBV4     | 37645          | 68682         | 2.04%           | 0.380%        |
| 22        | 22.547      | 3270          | 3278        | 3289         | rBV2     | 417937         | 866187        | 25.69%          | 4.795%        |
| 23        | 26.314      | 3907          | 3919        | 3933         | rBV      | 228183         | 795828        | 23.61%          | 4.406%        |

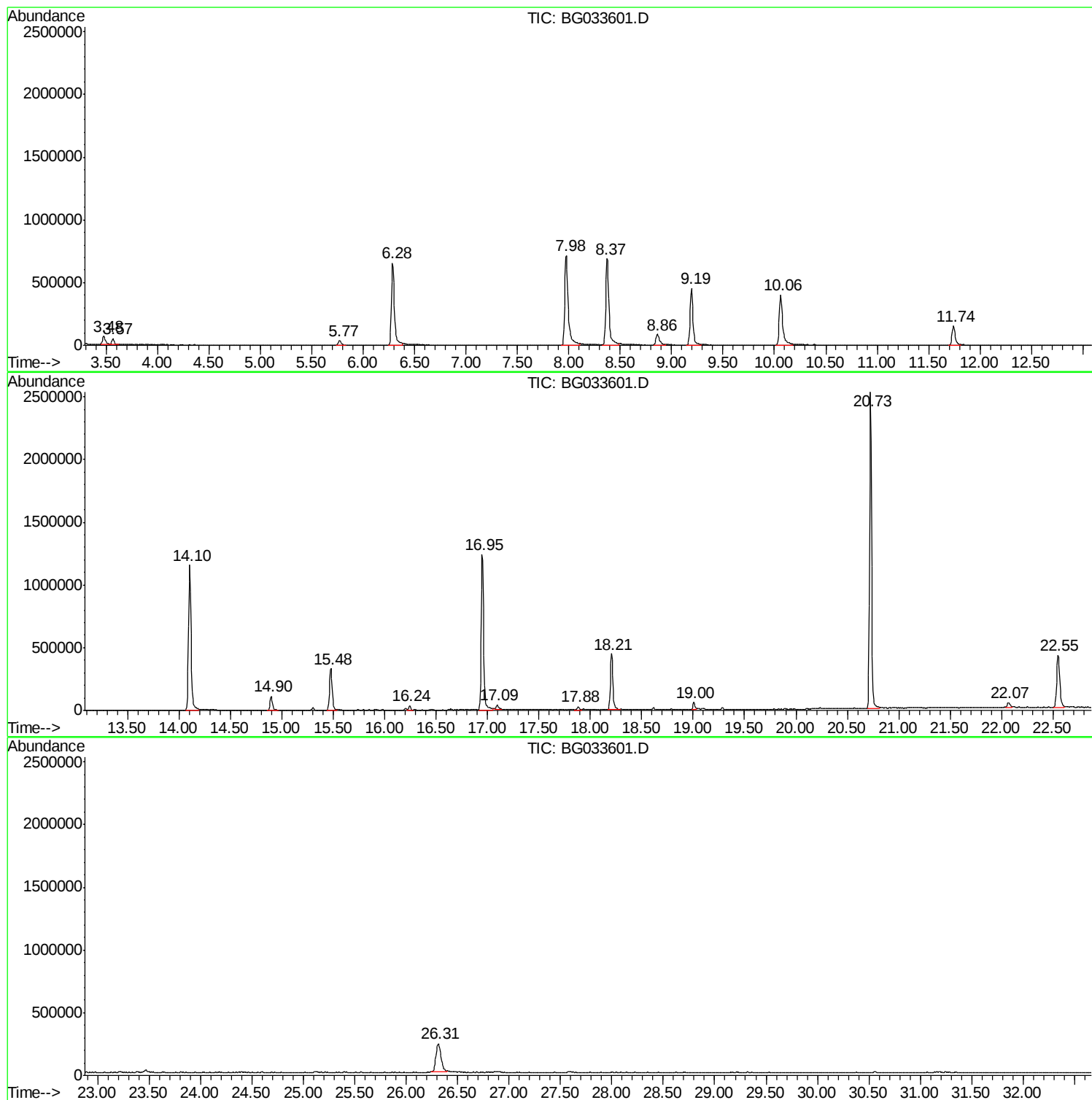
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Instrument :  
BNA\_G  
ClientSampleId :  
PF-3

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.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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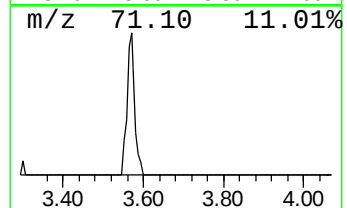
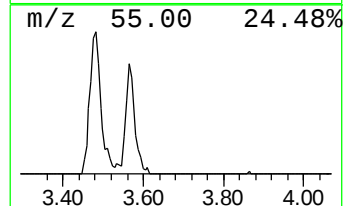
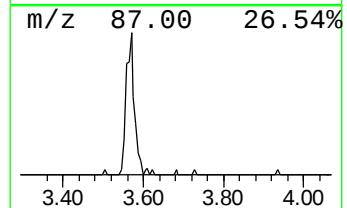
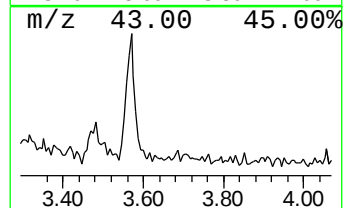
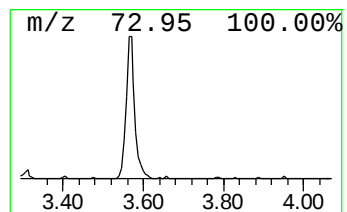
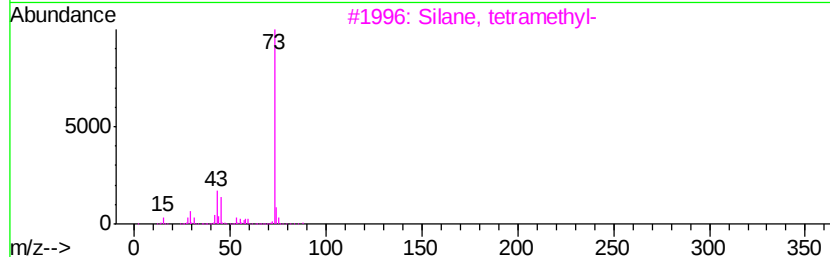
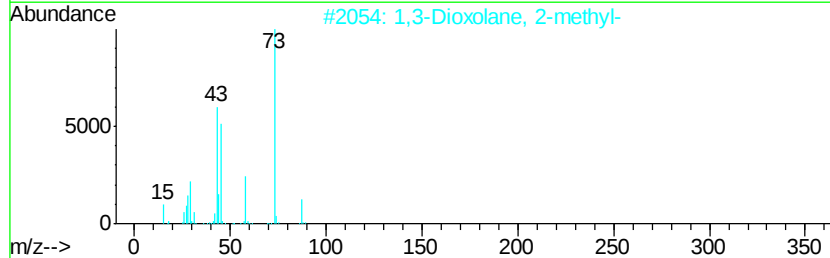
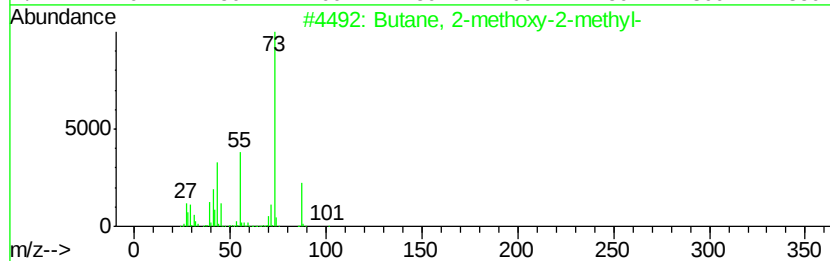
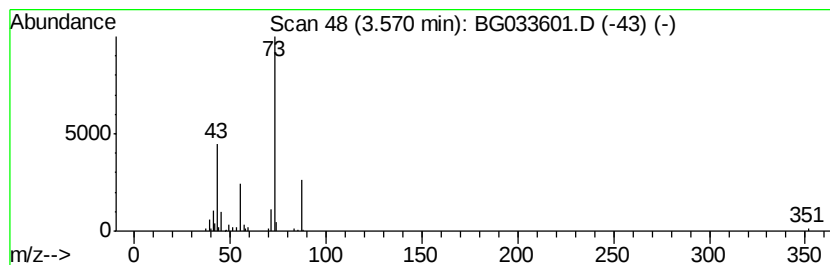
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M  
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TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 4

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 3.57 | 7.36 ng | 80103 | 1,4-Dichlorobenzene-d4 | 8.86 |

| Hit# | of | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl-        | 102 | C6H14O  | 000994-05-8 | 64   |
| 2    |    | 1,3-Dioxolane, 2-methyl-           | 88  | C4H8O2  | 000497-26-7 | 17   |
| 3    |    | Silane, tetramethyl-               | 88  | C4H12Si | 000075-76-3 | 12   |
| 4    |    | Butanoic acid, 2-hydroxy-2-methyl- | 132 | C6H12O3 | 032793-34-3 | 12   |
| 5    |    | N-Ethylformamide                   | 73  | C3H7NO  | 000627-45-2 | 9    |



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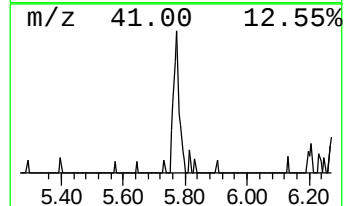
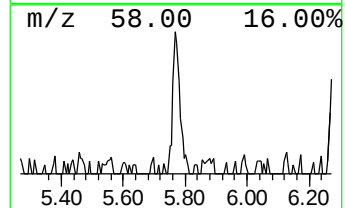
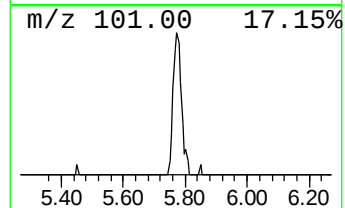
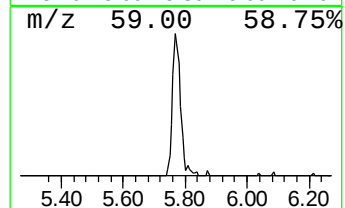
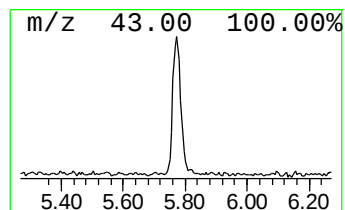
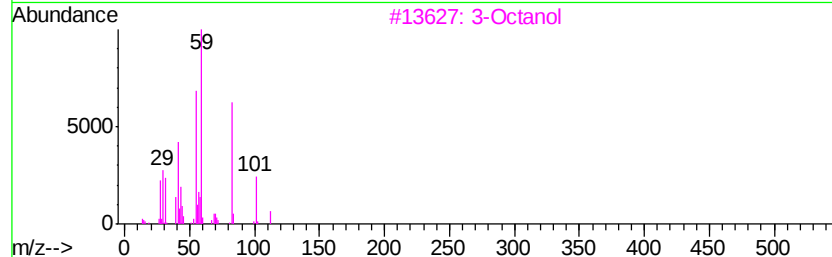
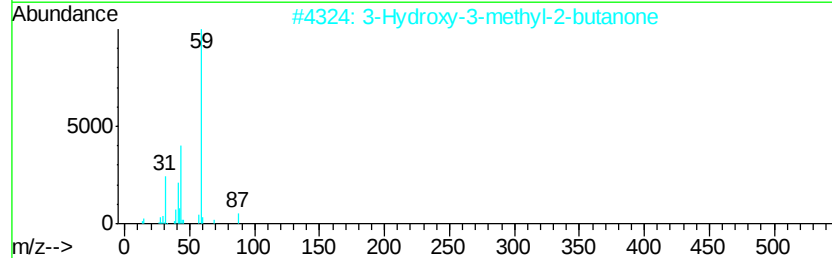
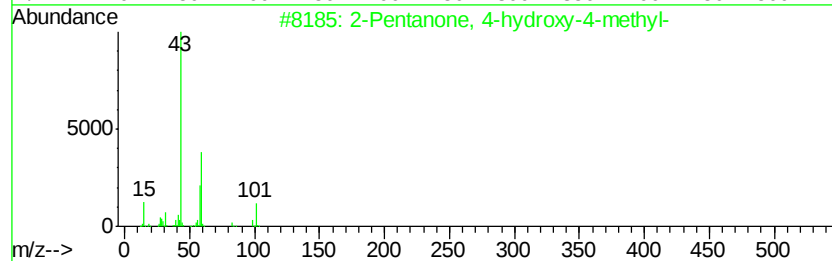
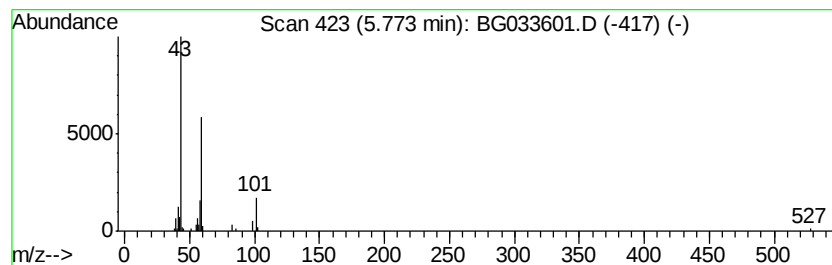
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Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 5.77 | 5.81 ng | 63243 | 1,4-Dichlorobenzene-d4 | 8.86 |

| Hit# of | 5                                | Tentative ID | MW      | MolForm     | CAS# | Qual |
|---------|----------------------------------|--------------|---------|-------------|------|------|
| 1       | 2-Pentanone, 4-hydroxy-4-methyl- | 116          | C6H12O2 | 000123-42-2 | 38   |      |
| 2       | 3-Hydroxy-3-methyl-2-butanone    | 102          | C5H10O2 | 000115-22-0 | 35   |      |
| 3       | 3-Octanol                        | 130          | C8H18O  | 000589-98-0 | 33   |      |
| 4       | Butyl aldoxime, 3-methyl-, syn-  | 101          | C5H11NO | 005780-40-5 | 12   |      |
| 5       | Morpholine, 4-methyl-            | 101          | C5H11NO | 000109-02-4 | 9    |      |



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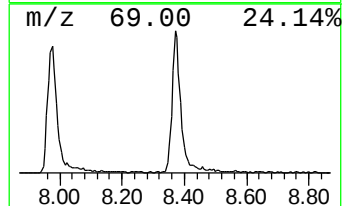
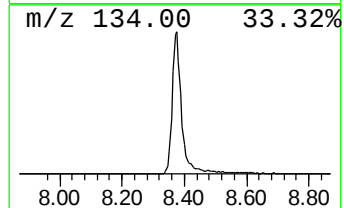
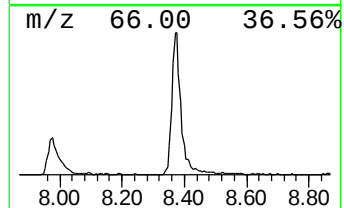
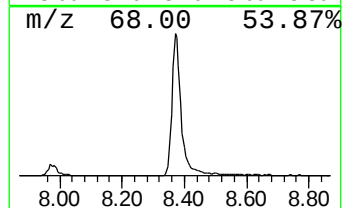
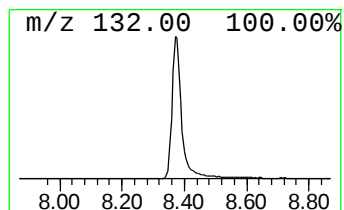
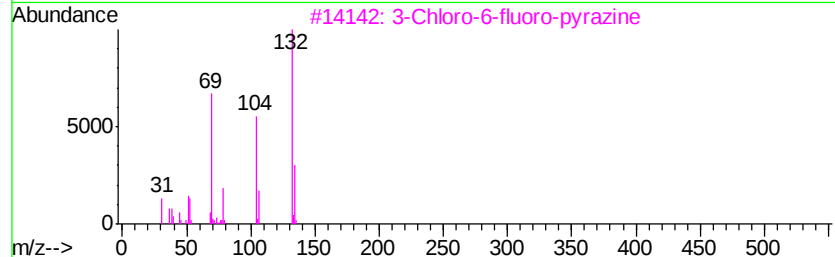
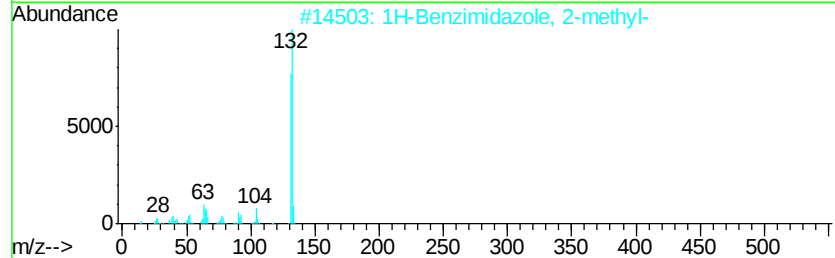
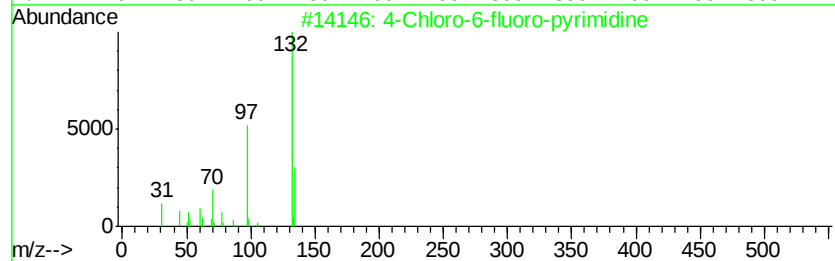
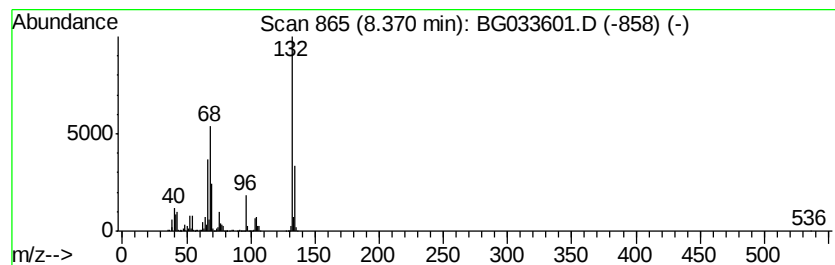
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Peak Number 4 unknown8.37 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 8.37 | 132.96 ng | 1446650 | 1,4-Dichlorobenzene-d4 | 8.86 |

| 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    |    | 1,3,5-Trifluorobenzene             | 132 | C6H3F3    | 000372-38-3  | 14   |
| 5    |    | Pyrazolo(2,3-a)pyridine, 7-methyl- | 132 | C8H8N2    | 034760-58-2  | 12   |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| Butane, 2-methoxy... | 3.57 | 7.4     | ng    | 80103    | 1                     | 8.86 | 217607 | 20.0 |
| 2-Pentanone, 4-hy... | 5.77 | 5.8     | ng    | 63243    | 1                     | 8.86 | 217607 | 20.0 |
| unknown8.37          | 8.37 | 133.0   | ng    | 1446650  | 1                     | 8.86 | 217607 | 20.0 |