

**REVIEWED**

By Anne Nord at 9:27 am, Apr 08, 2020

4/3/2020 BW

**Worklist: 4149**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
M2020-0662	3	UCK	AM 6 Urine GHB
M2020-0865	4	UCK	AM 6 Urine GHB
M2020-1043	8	UCK	AM 6 Urine GHB
P2020-0579	1	UCK	AM 6 Urine GHB



# AM 6: GHB Urine Extraction

BW

Extraction Date: 4/3/20

Analyst: Britany Wylie

Negative Urine Lot: 32420

GC/MS ID: Instrument 65198

Positive Control Lot: GHB, Cerilliant Lot # FE05121507

## **Pre-Analytic:**

- 1. Positive Control Working Solution  
*To prepare Positive Control (minimum of 1 per run):*  
100 ug/mL- Spike 4050uL negative urine with 450uL GHB stock solution (1mg/mL)  
200 ug/mL- Spike 3600uL negative urine with 900uL GHB stock solution (1mg/mL)  
Non-extracted Reference Sample  
*Add 10ul GHB stock solution in tapered bottom tube. Evaporate to dryness during Step 5 and proceed with the extraction.*
- 2. Verify Tune and Tune evaluation completed within the previous 7 days. Tune and Tune evaluation reports initialed and filed.
- 3. Create GC/MS sequence to include controls, case blanks and case samples.

## **Analytic:**

- 1. Remove working solutions, controls, and samples from cold storage.
- 2. Add 4.5mL sample, negative urine or positive control to Toxi-B tube.
- 3. Place on tube rocker at ambient temp for ~ 10 minutes.
- 4. Centrifuge for ~ 10 min at ~2500rpm.
- 5. Transfer solvent to tapered bottom tube and evaporate under Nitrogen to ~50uL.
- 6. Add 40uL silylating reagent, cap and vortex.
- 7. Heat for ~15min at approx. 60C. Remove from heat and allow to cool.
- 8. Transfer to labeled ALS vial with insert.
- 9. Run on GC/MS using appropriate acquisition method.

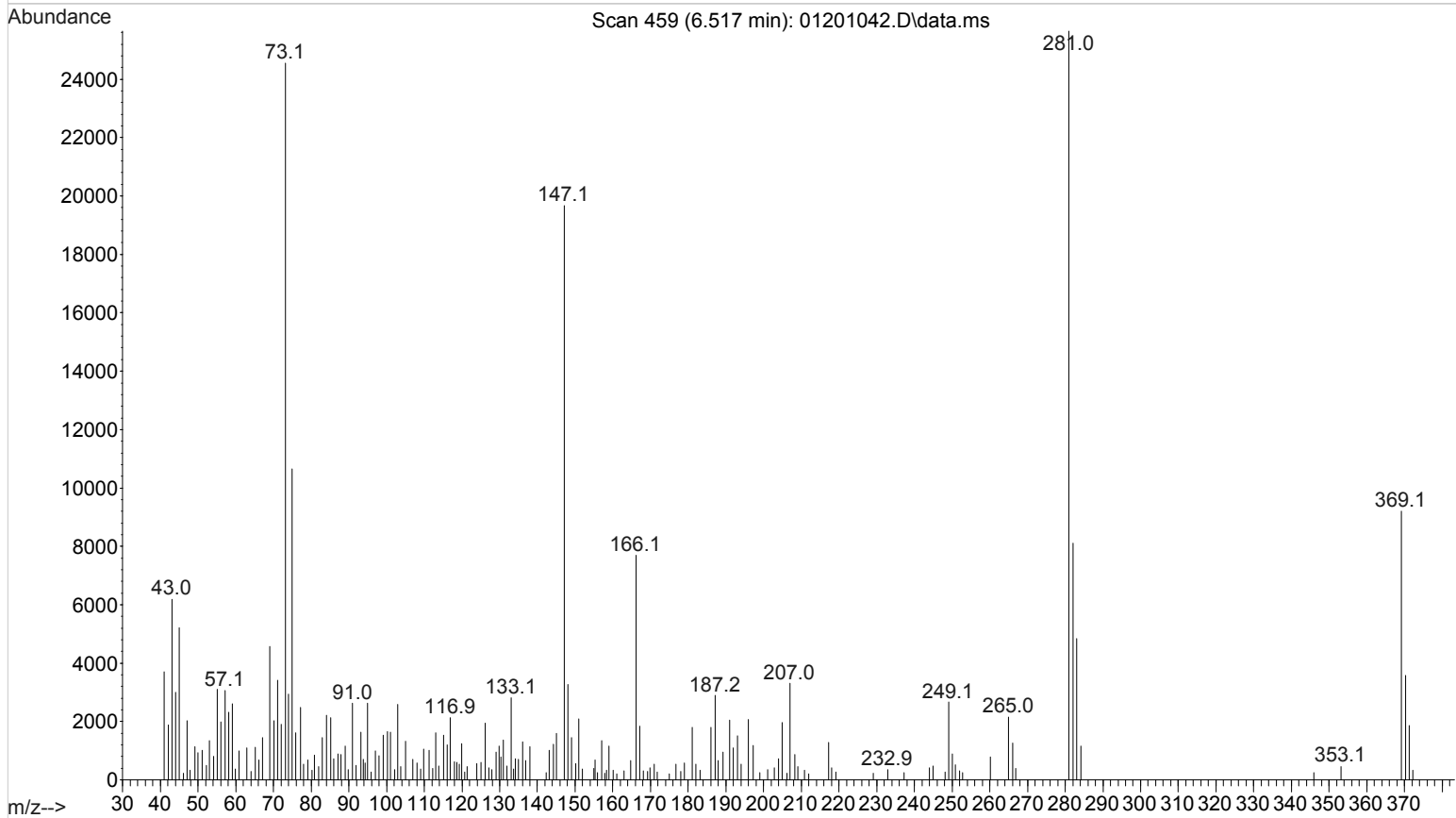
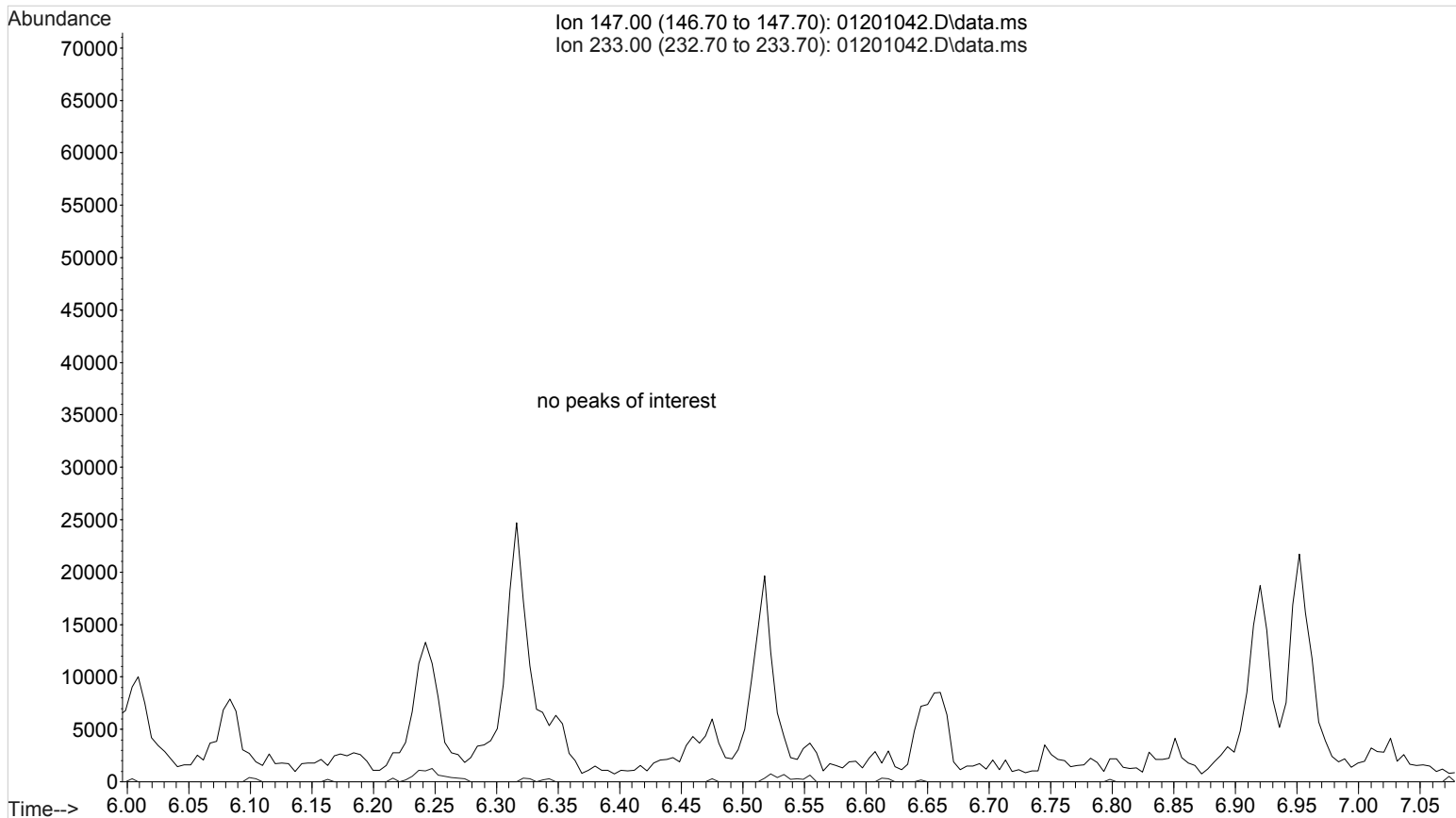
## **Post-Analytic**

- 1. Complete Data analysis on all samples and corresponding sample blanks.
- 2. Did positive and negative control samples provide intended response? Y / N
- 3. Central File Packet to include: LIMS Worklist, Method Checklist, and Control sample GCMS data printouts.

COMMENTS:

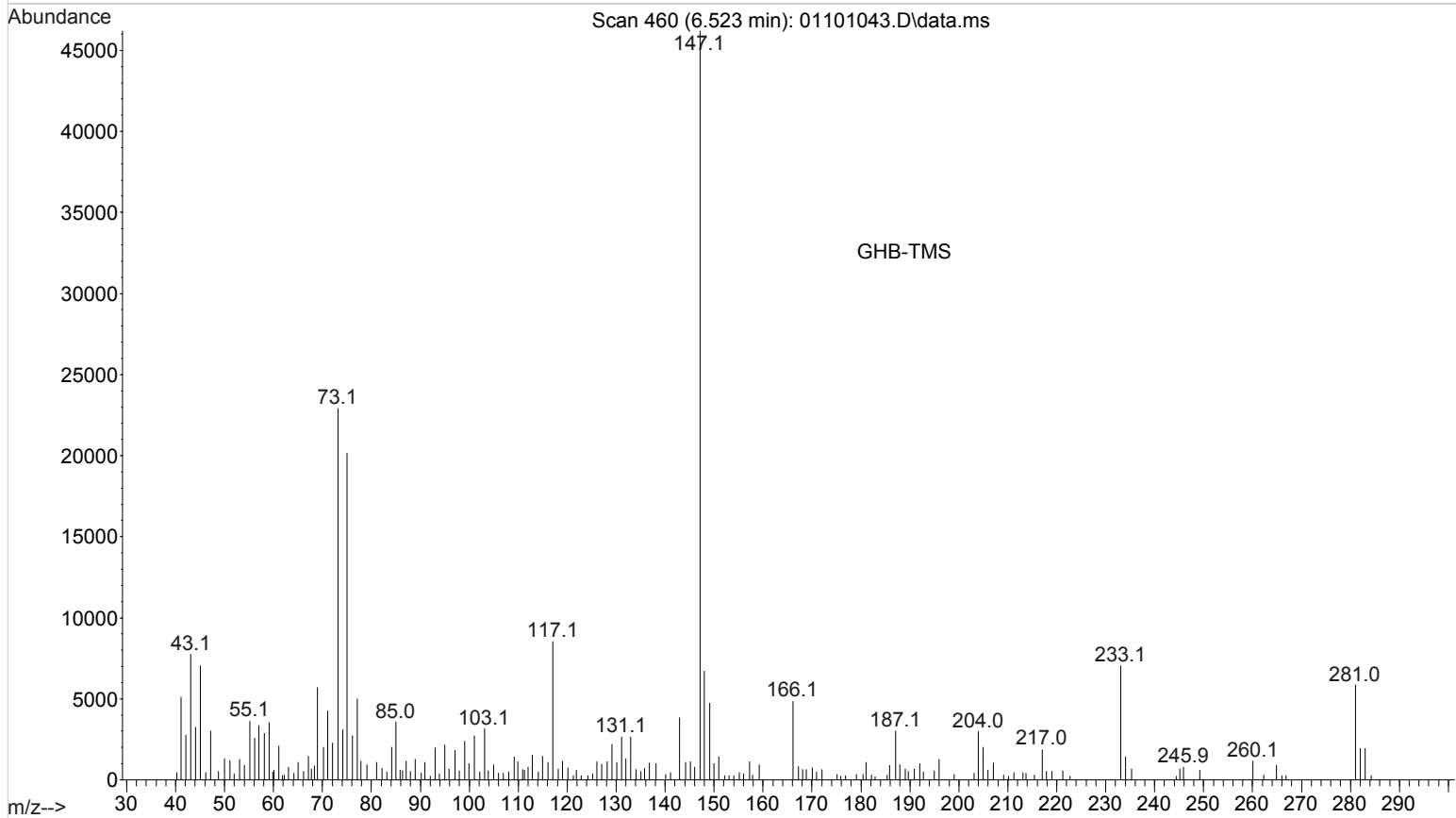
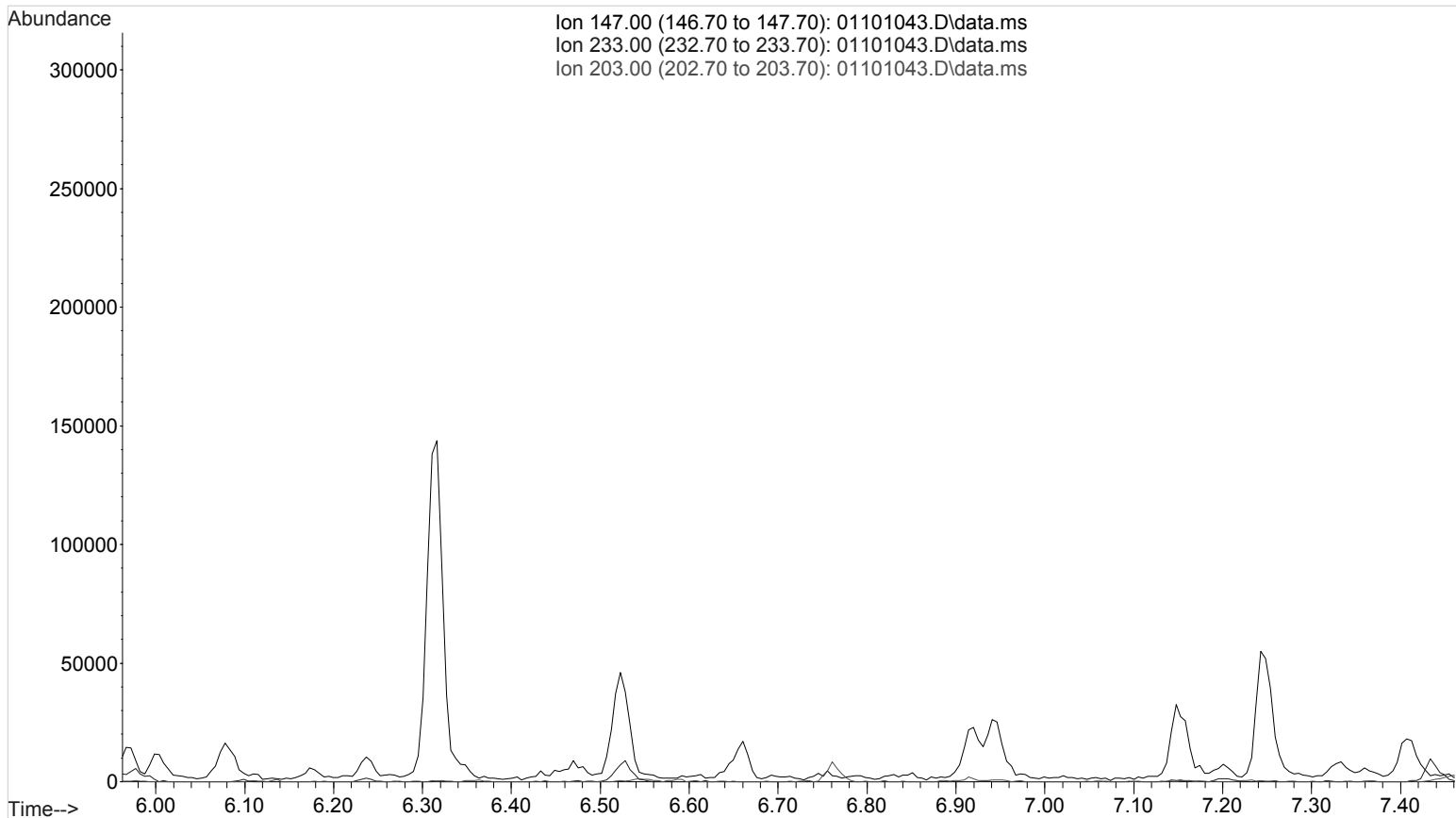
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Operator : Instrument 65198  
Acquired : 03 Apr 2020 21:13 using AcqMethod ghb82516.M  
Instrument : Instrument 65198 GCMS CdA  
Sample Name: negative control  
Misc Info : lot 32420; am 6  
Vial Number: 12

BW



File :D:\DATA\2020\am 2\4320 am 2 and am 6\01101043.D  
Operator : Instrument 65198  
Acquired : 03 Apr 2020 21:35 using AcqMethod ghb82516.M  
Instrument : Instrument 65198 GCMS CdA 4/8/2020  
Sample Name: positive control 100 ug/mL control BW  
Misc Info : lot in negative lot 32420; am 6  
Vial Number: 11 GHB Lot FE05121507

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File :D:\DATA\2020\am 2\4320 am 2 and am 6\02001052.D  
Operator : Instrument 65198  
Acquired : 04 Apr 2020 00:56 using AcqMethod ghb82516.M  
Instrument : Instrument 65198 GCMS CdA  
Sample Name: GHB  
Misc Info : cerilliant lot FE05121507  
Vial Number: 20

