11/15/2019

REVIEWED
By Britany Wylie at 7:18 am, Nov 18, 2019

Worklist: 3832

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
C2019-2074	1	UCK	AM 2 Urine Toxi A
C2019-2095	1	UCK	AM 2 Urine Toxi A
C2019-2135	1	UCK	AM 2 Urine Toxi A
C2019-2147	1	UCK	AM 2 Urine Toxi A
M2018-2893	3	UCK	AM 2 Urine Toxi A

AM 2: De-Tox Tube A Urine Extraction

Extraction Date: 11/7/19 Analyst: Anne Nord

Negative Urine Lot: 11719 **GC/MS ID**: 65198

(Optional Hydrolysis) Glucuronidase Lot: _____

Pre-Analytic:

☒ 1. *Positive Control Working Solution Preparation Instructions:*

Tube A positive control may be commercially obtained or prepared in-house. At a minimum, the control must contain at least one phenethylamine at an approximate concentration between 500 and 3000 ng/mL, and one opiate at an approximate concentration between 300 and 3000 ng/mL.

☒ 2. Verify Tune and Tune evaluation completed within the previous 7 days. Tune and Tune evaluation reports initialed and filed.

☒ 3. Create GCMS sequence to include controls, case blanks and case samples.

Analytic:

☒ 1. Remove working solutions, controls, and samples from cold storage.

(Optional Steps for Enzyme Hydrolysis- completed in addition to General extraction without Hydrolysis)

- ☐ 2a. In labeled round bottom Extraction tubes: add 4.5mL of case samples, and controls.
- ☐ 2b. Add 150uL of 2M acetate buffer, vortex.
- ☐ 2c. Add 100uL glucuronidase, cap and rock gently.
- ☐ 2d. Heat at 60C for 2 hours. Allow to cool before proceeding to step 3.

☒ 3. To each labeled De-Tox Tube add 5mL sample, Positive control: spike positive control working solution.

☒ 4. Place on tube rocker at ambient temp for approx. 10 minutes.

☒ 5. Centrifuge for approx. 10 min at ~2500-3000rpm.

☒ 6. Transfer solvent (upper layer) to new tube, and evaporate to ~100-300uL.

☒ 7. Transfer to labeled ALS vial with insert.

☒ 8. Place ALS Vials in appropriate location on GCMS rack and run using appropriate GCMS method.

Post-Analytic

☒ 1. Complete Data analysis on all samples and corresponding sample blanks

☒ 2. Did positive and negative control samples provide intended response? Yes

☒ 3. Sample Criteria for ID: RT +/ 0.2 min. (or 0.1 min. for phenethylamines)

☒ 4. Central File Packet to include: LIMS Worklist, Method Checklist, Working solution prep sheet(s), Positive control GCMS data printouts,

COMMENTS:

Toxicology AM method 2 control prep info
working solution 20000 ng/ml in meoh methamphetamine, phentermine, and hydrocodone
Stock solution 1mg/ml ~~100~~ 200 ul each in 9400ul meOH

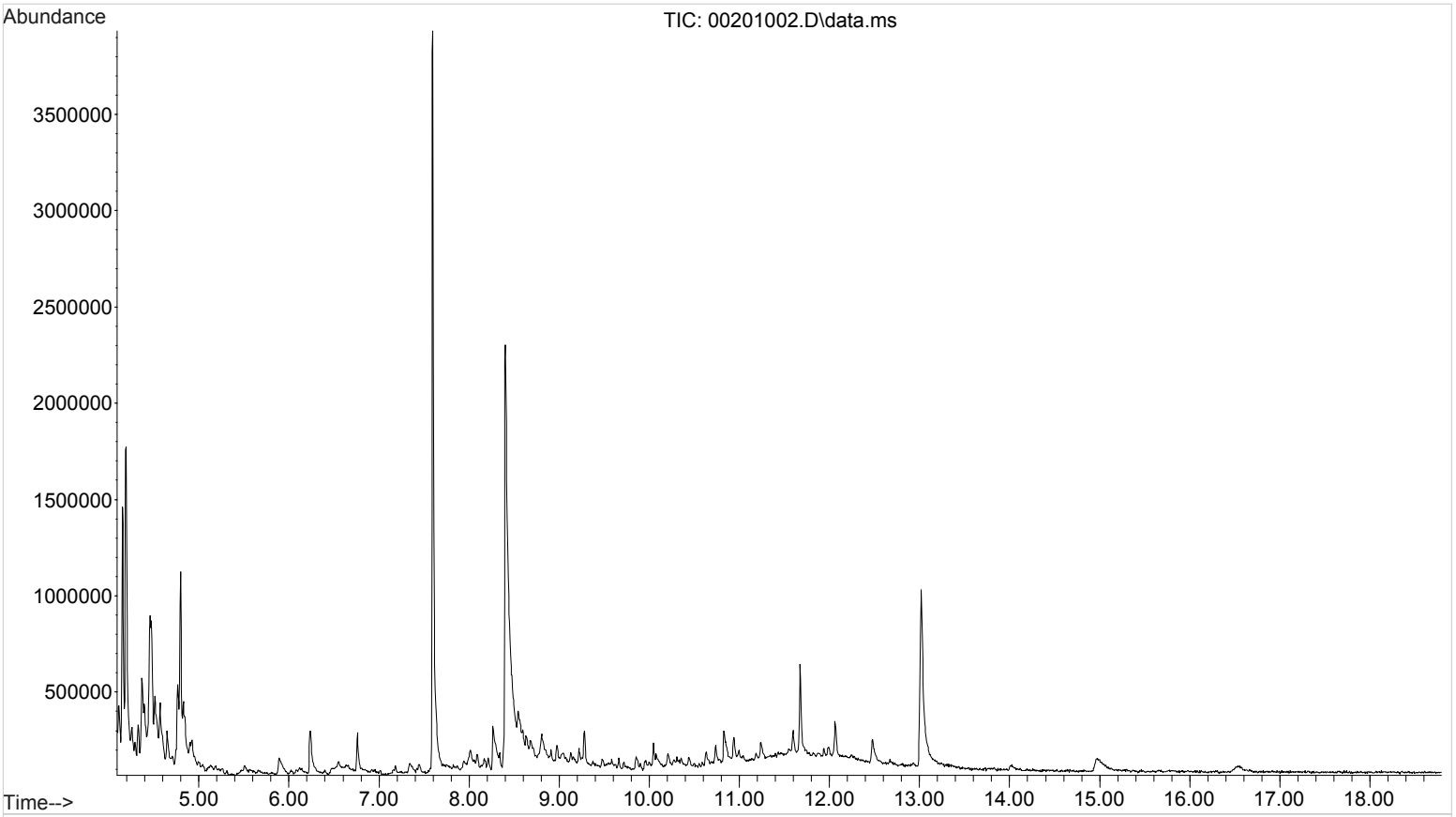
ppd 9/6/19: Exp: 9/6/20 lot 9620 by amn

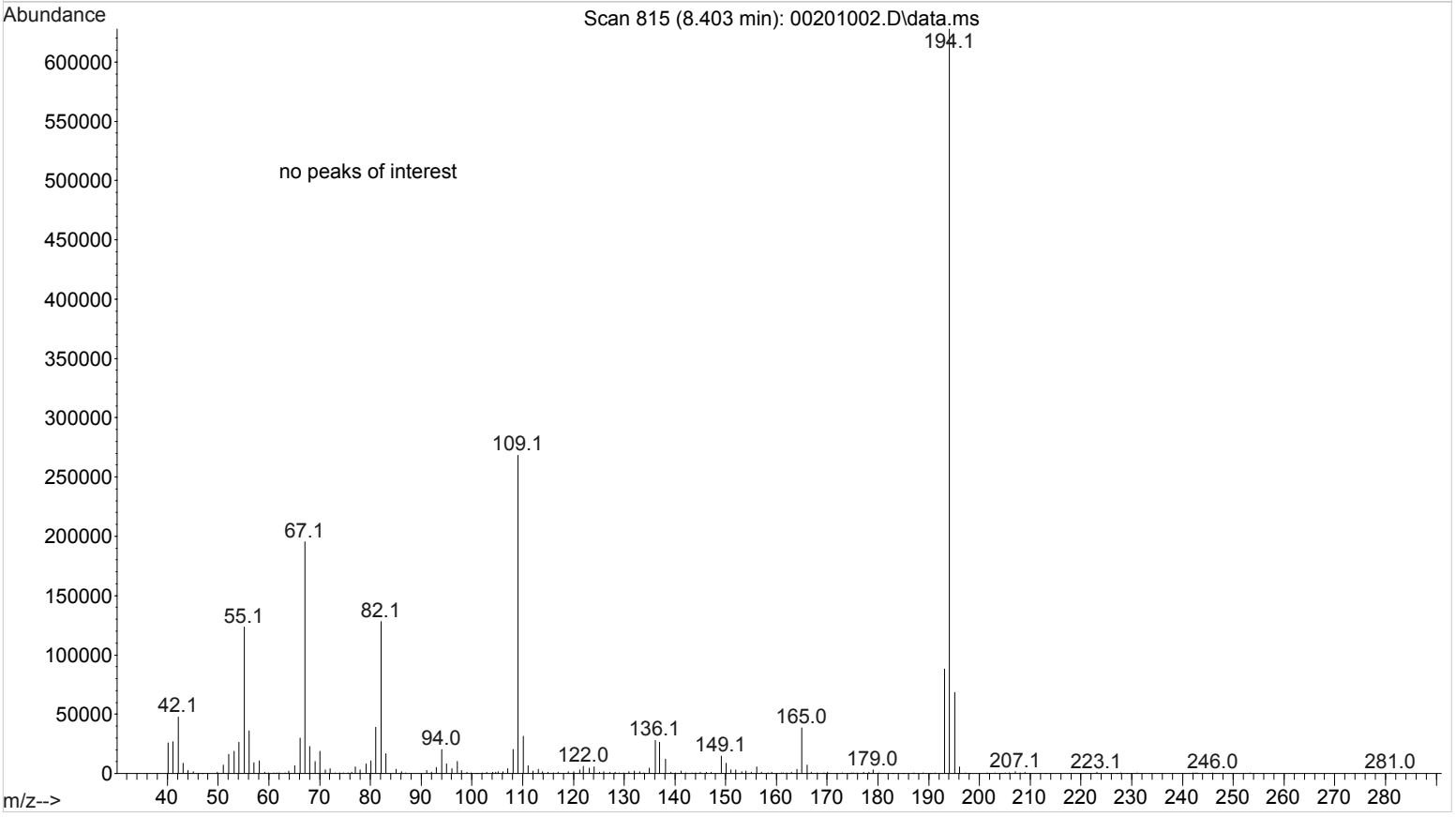
Drug	lot	expiration
Methamphetamine	FE08101708	10/31/2022
Phentermine	FE09231511	9/30/2020
Hydrocodone	FN09091505	9/30/2020

AM 2 control add 500 ul working solution to 4500 ul negative urine and extract.
approximate concentration 2000 ng/ml

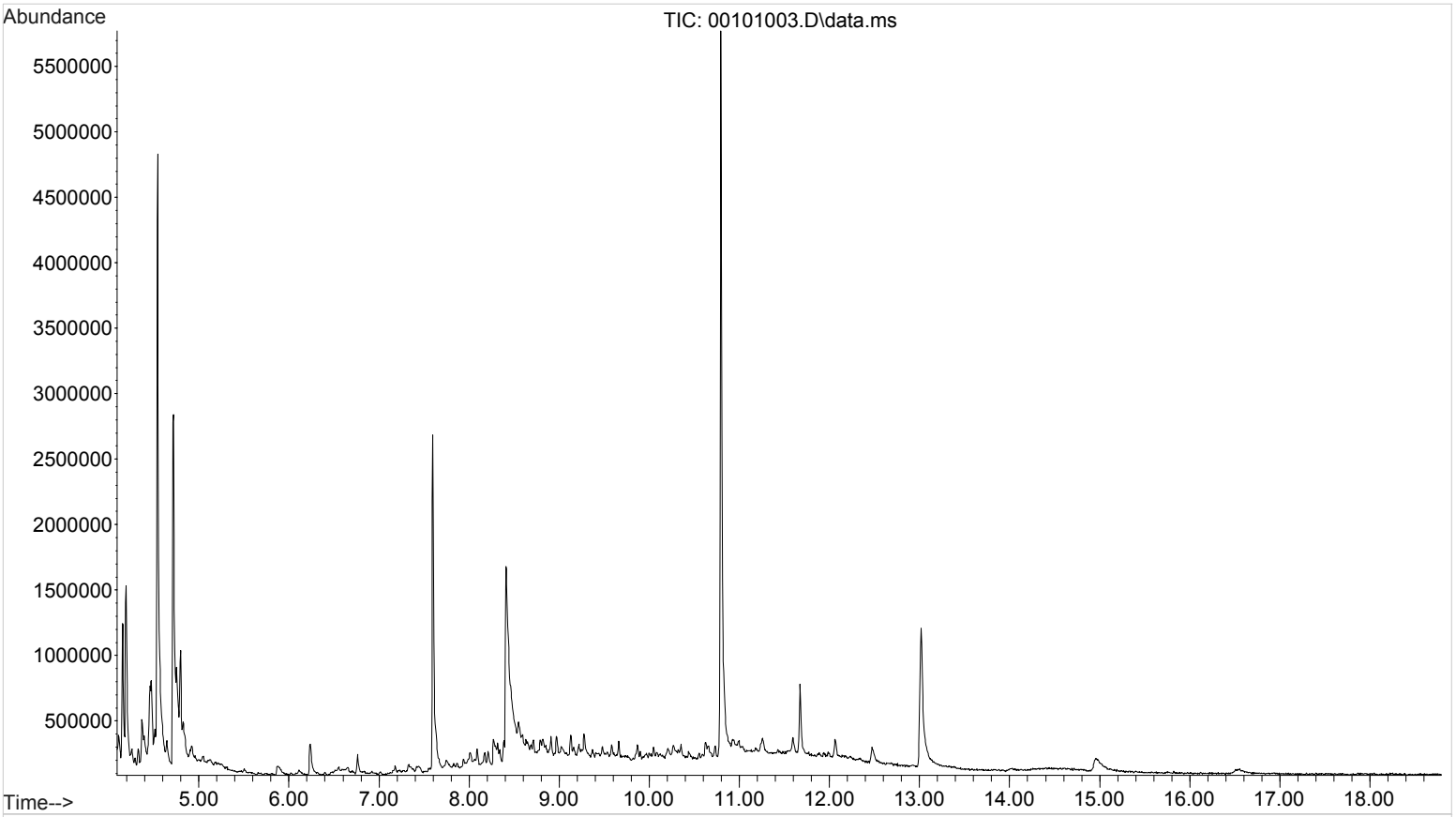
File :D:\DATA\2019\am 2\110719\00201002.D
Operator : Instrument 65198
Acquired : 07 Nov 2019 15:40 using AcqMethod TOXI-A 10115.M
Instrument : Instrument 65198 GCMS CdA
Sample Name: negative control
Misc Info : ~~lot 31319~~; am 2
Vial Number: 2

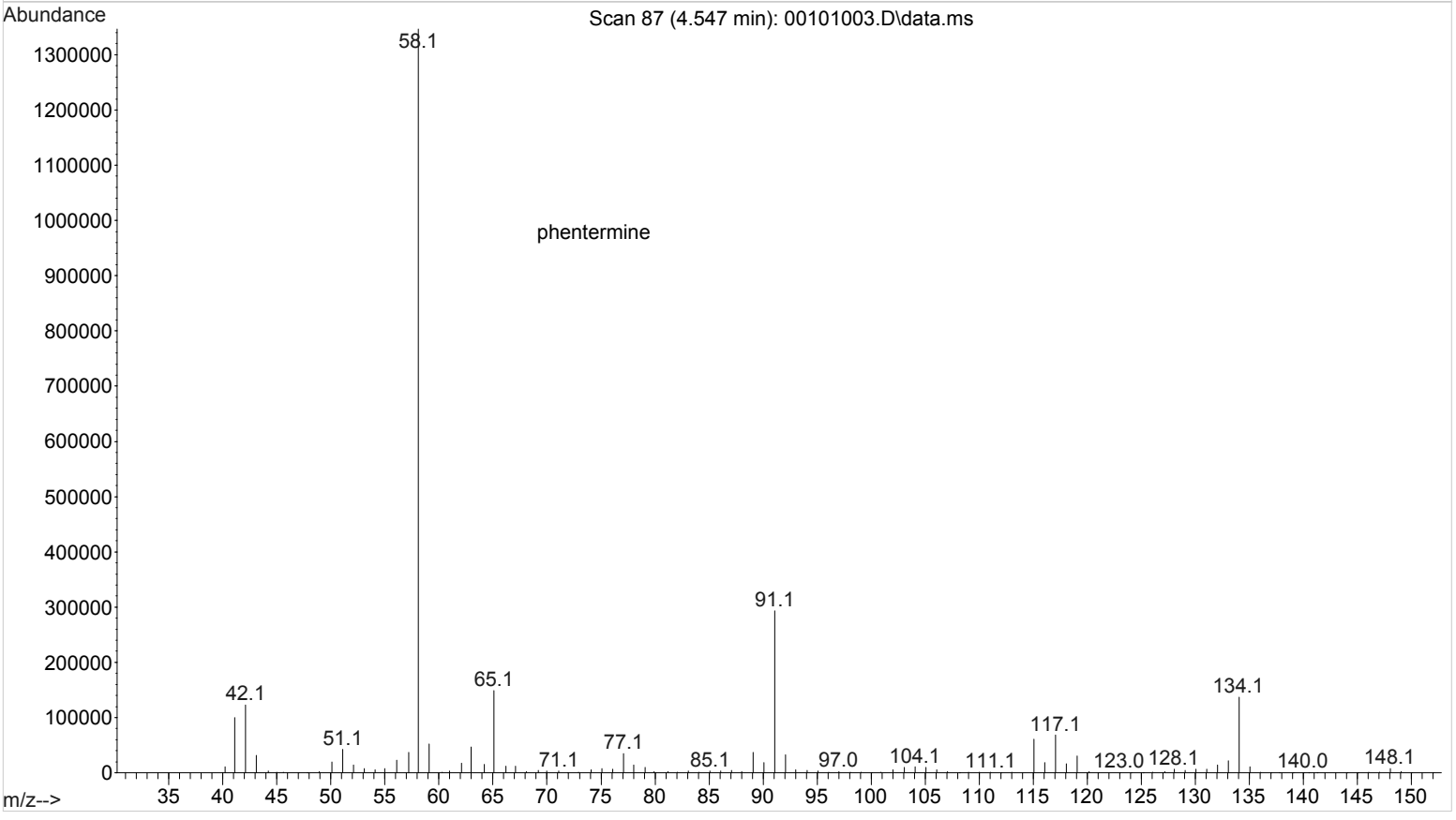
11/15/19
lot 117[illegible]9



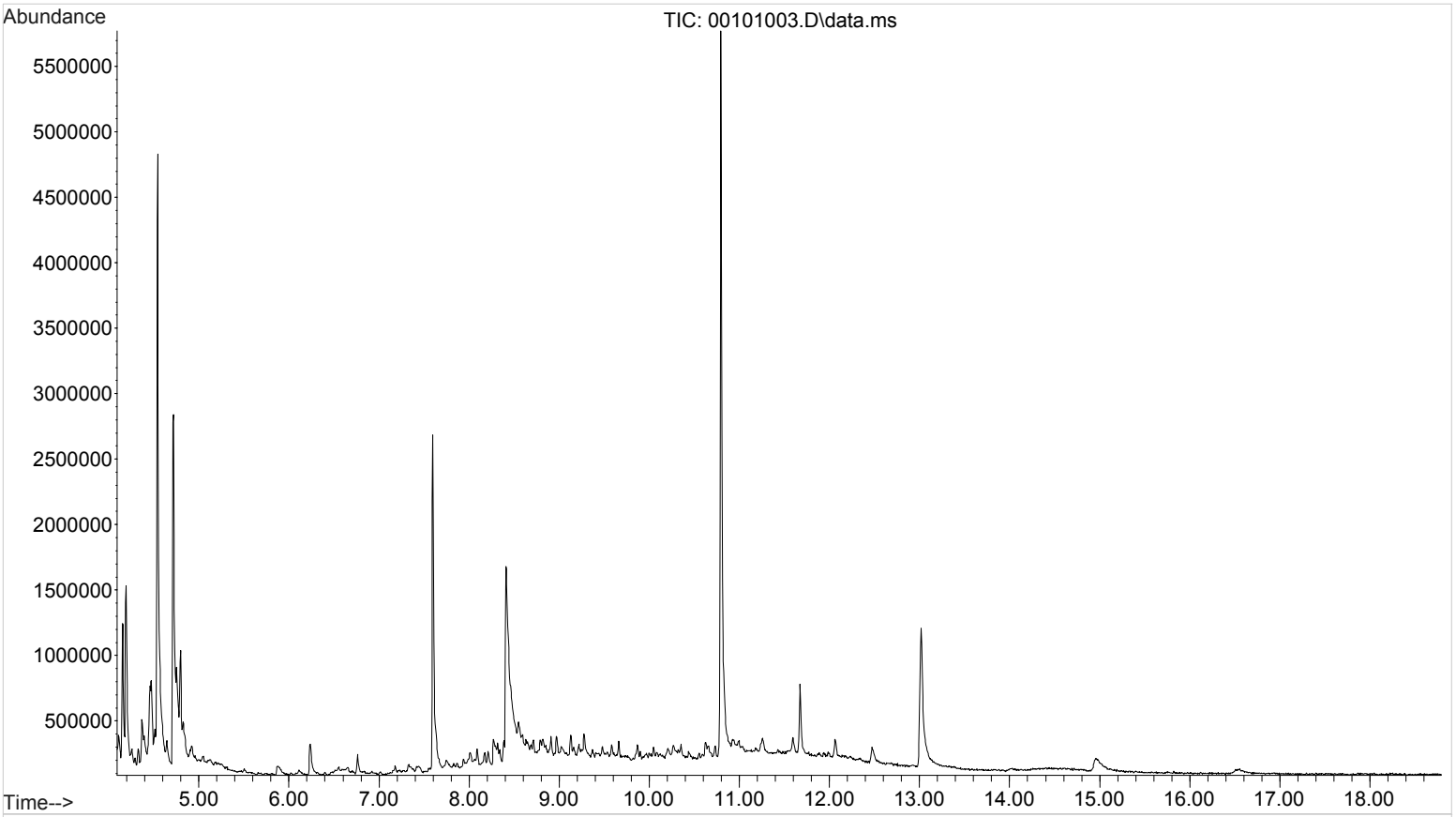


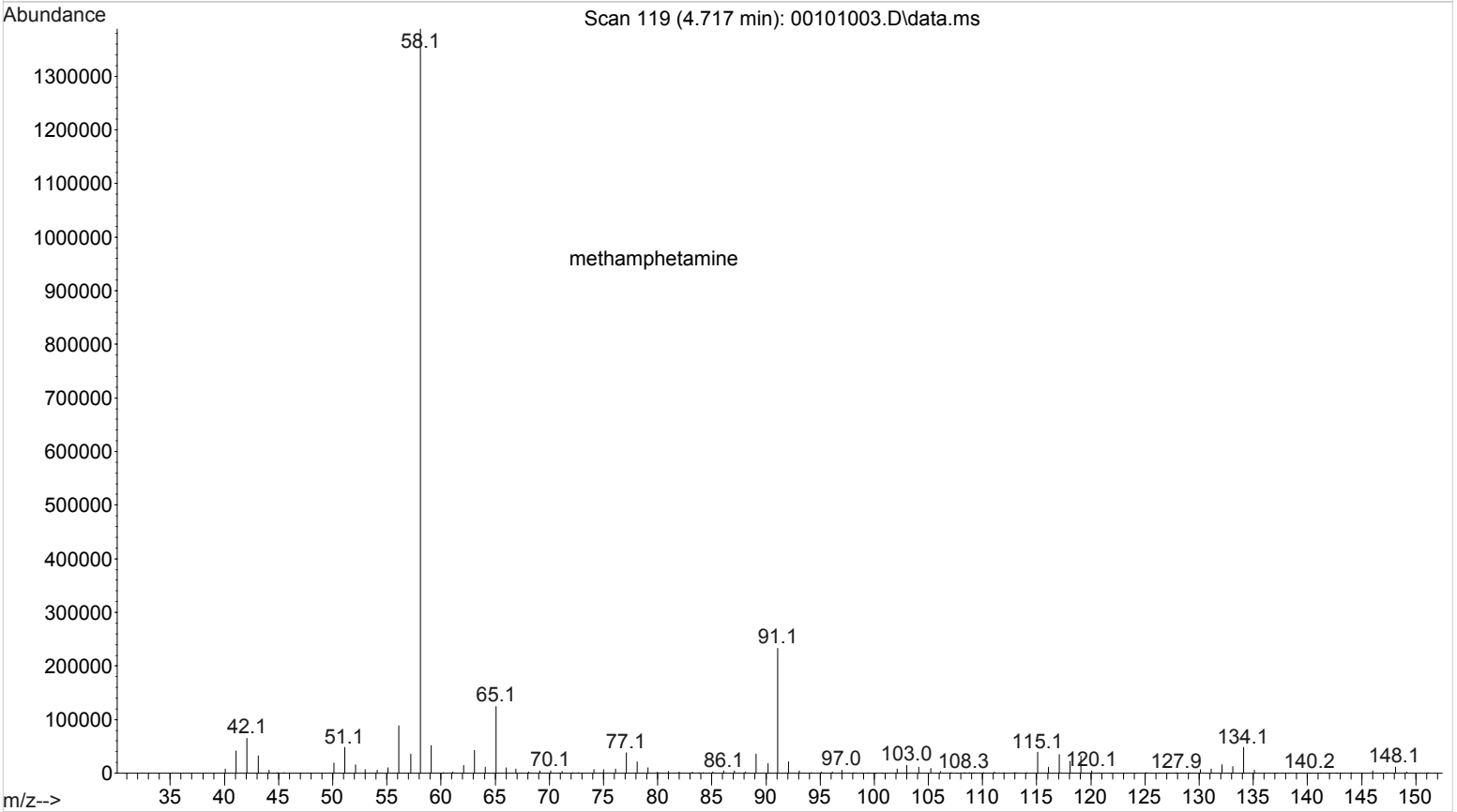
File :D:\DATA\2019\am 2\110719\00101003.D
Operator : Instrument 65198
Acquired : 07 Nov 2019 16:02 using AcqMethod TOXI-A 10115.M
Instrument : Instrument 65198 GCMS CdA
Sample Name: positive control lot 11719 11/15/19
Misc Info : lot 9620 in negative lot ~~31319~~; am 2
Vial Number: 1





File :D:\DATA\2019\am 2\110719\00101003.D
Operator : Instrument 65198
Acquired : 07 Nov 2019 16:02 using AcqMethod TOXI-A 10115.M
Instrument : Instrument 65198 GCMS CdA
Sample Name: positive control
Misc Info : lot 9620 in negative lot 31319; am 2
Vial Number: 1





File :D:\DATA\2019\am 2\110719\00101003.D
Operator : Instrument 65198
Acquired : 07 Nov 2019 16:02 using AcqMethod TOXI-A 10115.M
Instrument : Instrument 65198 GCMS CdA
Sample Name: positive control
Misc Info : lot 9620 in negative lot 31319; am 2
Vial Number: 1