

**REVIEWED**

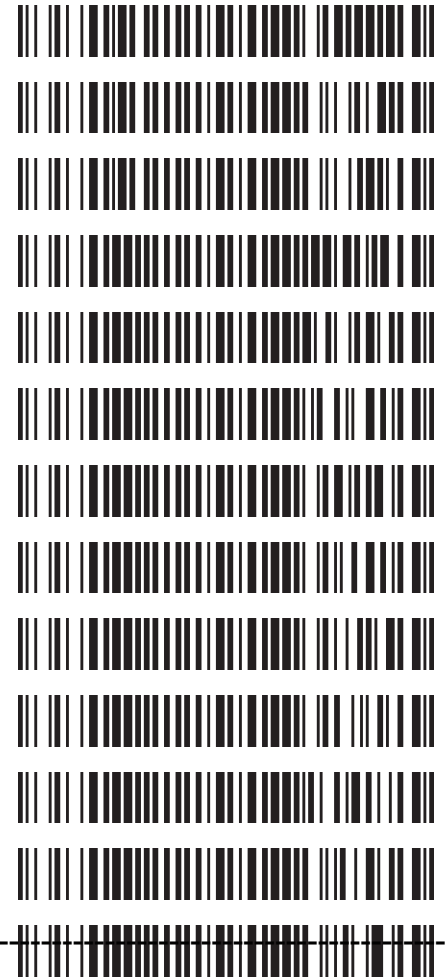
By Anne Nord at 4:47 pm, Jul 19, 2019

7/10/2019

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**Worklist: 3533**

<u>LAB_CASE</u>	<u>ITEM</u>	<u>TASK_ID</u>	<u>DESCRIPTION</u>
M2019-2783	3	155700	AM 2 Urine Toxi A
M2019-2908	3	156532	AM 2 Urine Toxi A
M2019-3023	3	156535	AM 2 Urine Toxi A
P2019-1882	1	154844	AM 2 Urine Toxi A
P2019-1895	1	155146	AM 2 Urine Toxi A
P2019-1928	1	155601	AM 2 Urine Toxi A
P2019-1930	1	155703	AM 2 Urine Toxi A
P2019-1931	1	155706	AM 2 Urine Toxi A
P2019-1932	1	155709	AM 2 Urine Toxi A
P2019-1945	1	155739	AM 2 Urine Toxi A
P2019-1960	1	155871	AM 2 Urine Toxi A
P2019-2046	1	156802	AM 2 Urine Toxi A
<del>P2019-2052</del>	<del>1</del>	<del>156540</del>	<del>AM 2 Urine Toxi A</del>



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## AM 2: De-Tox Tube A Urine Extraction

Extraction Date: 07/11/2019

Analyst: Celena Shrum

Negative Urine: POC031319

GC/MS ID: Major Mass Spec

Positive Control Working Solution Lot: WS082319

### 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.

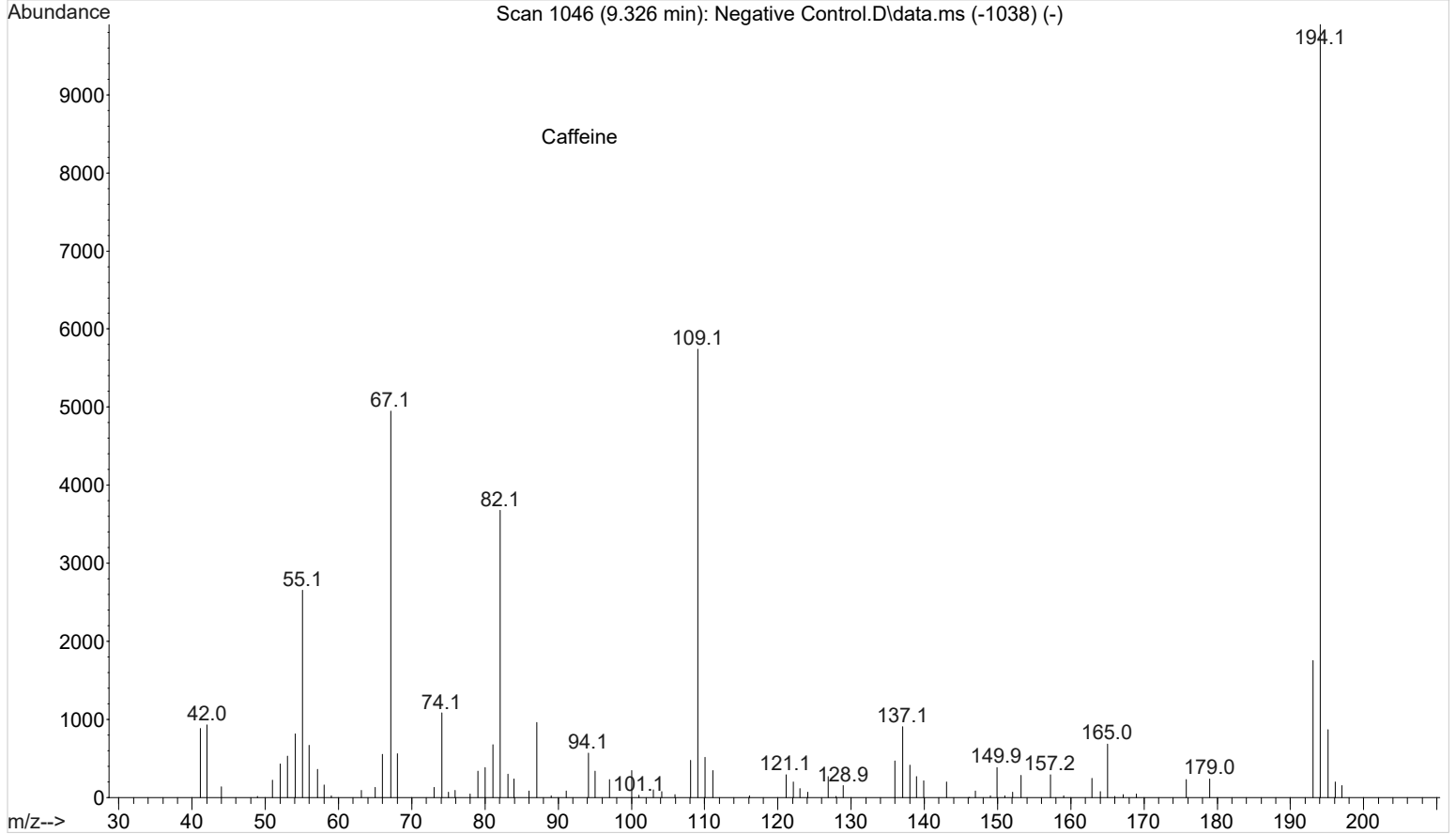
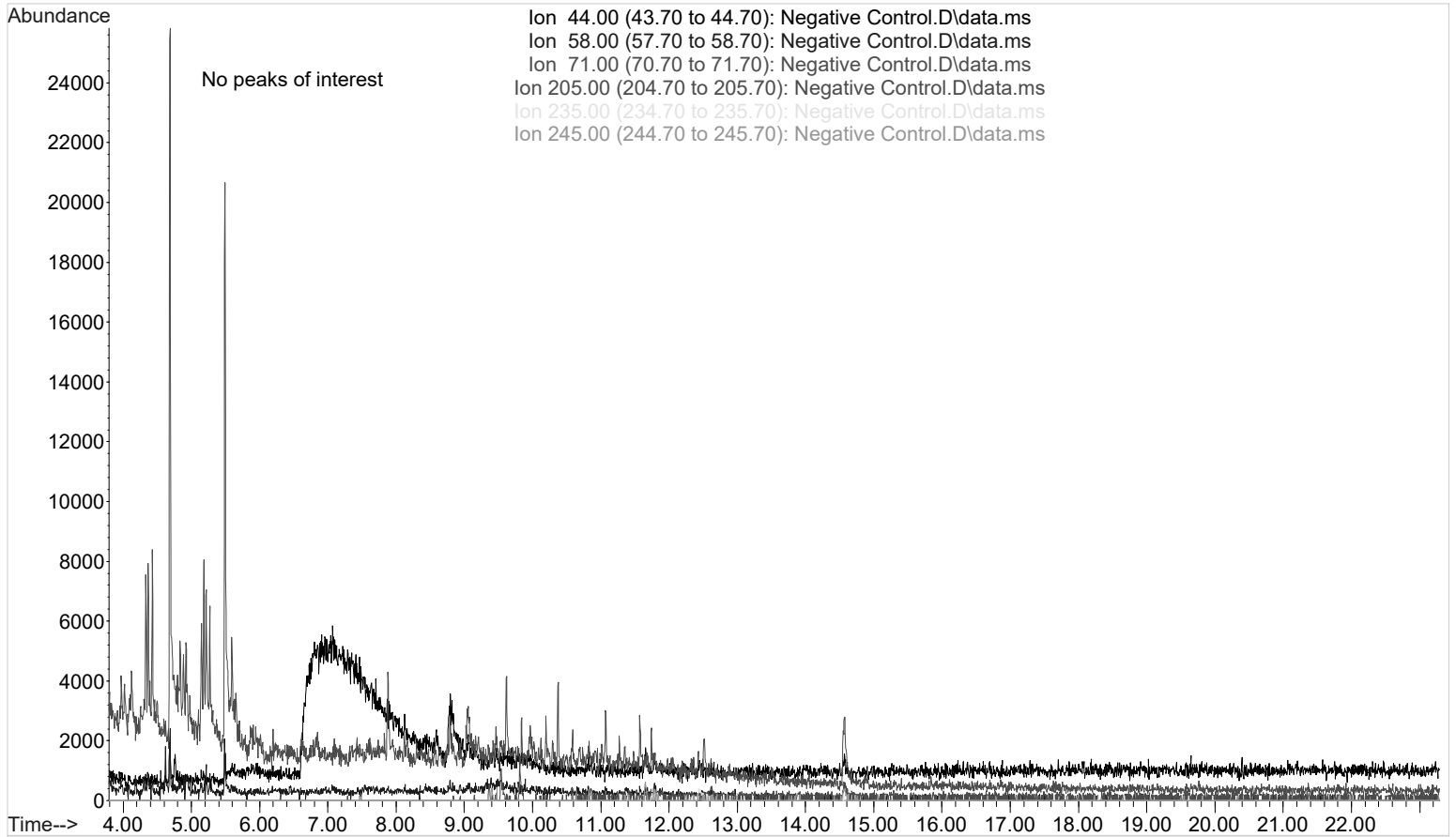
### Post-Analytic

- 1. Complete Data analysis on all samples and corresponding sample blanks  
 GCMS Data path: D:\DATA\CDS\2019\am 2 worklist 3477
- 2. Did positive and negative control samples provide intended response? Y / N
- 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,

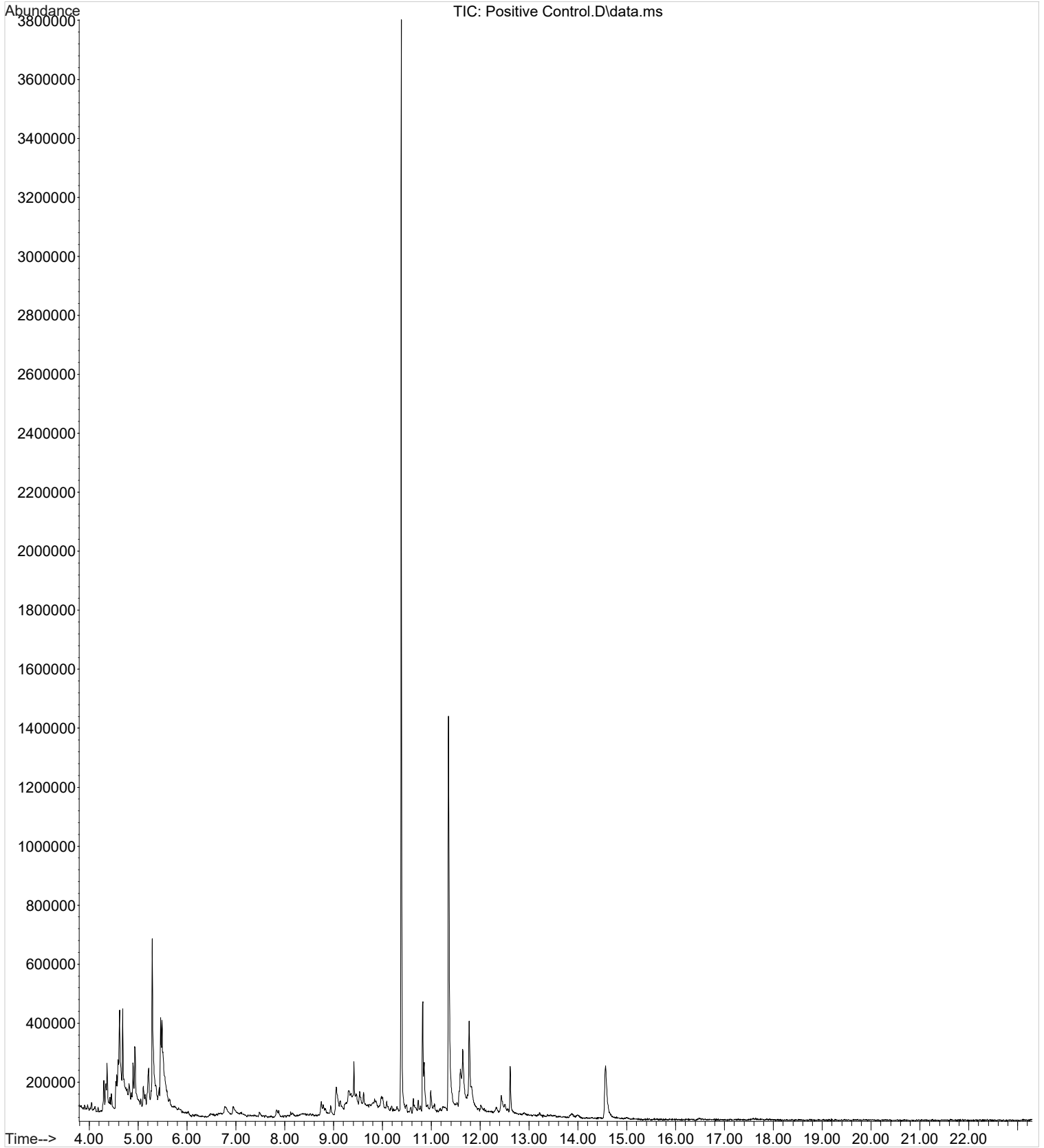
COMMENTS:

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Operator : ISP\datastor  
Instrument : Major Mass Spec  
Acquired : 11 Jul 2019 08:00 using AcqMethod UTOX GEN DRUG 6-2017extended.M  
Sample Name: Negative Control  
Misc Info : POC031319; AM #2 Worklist 3334

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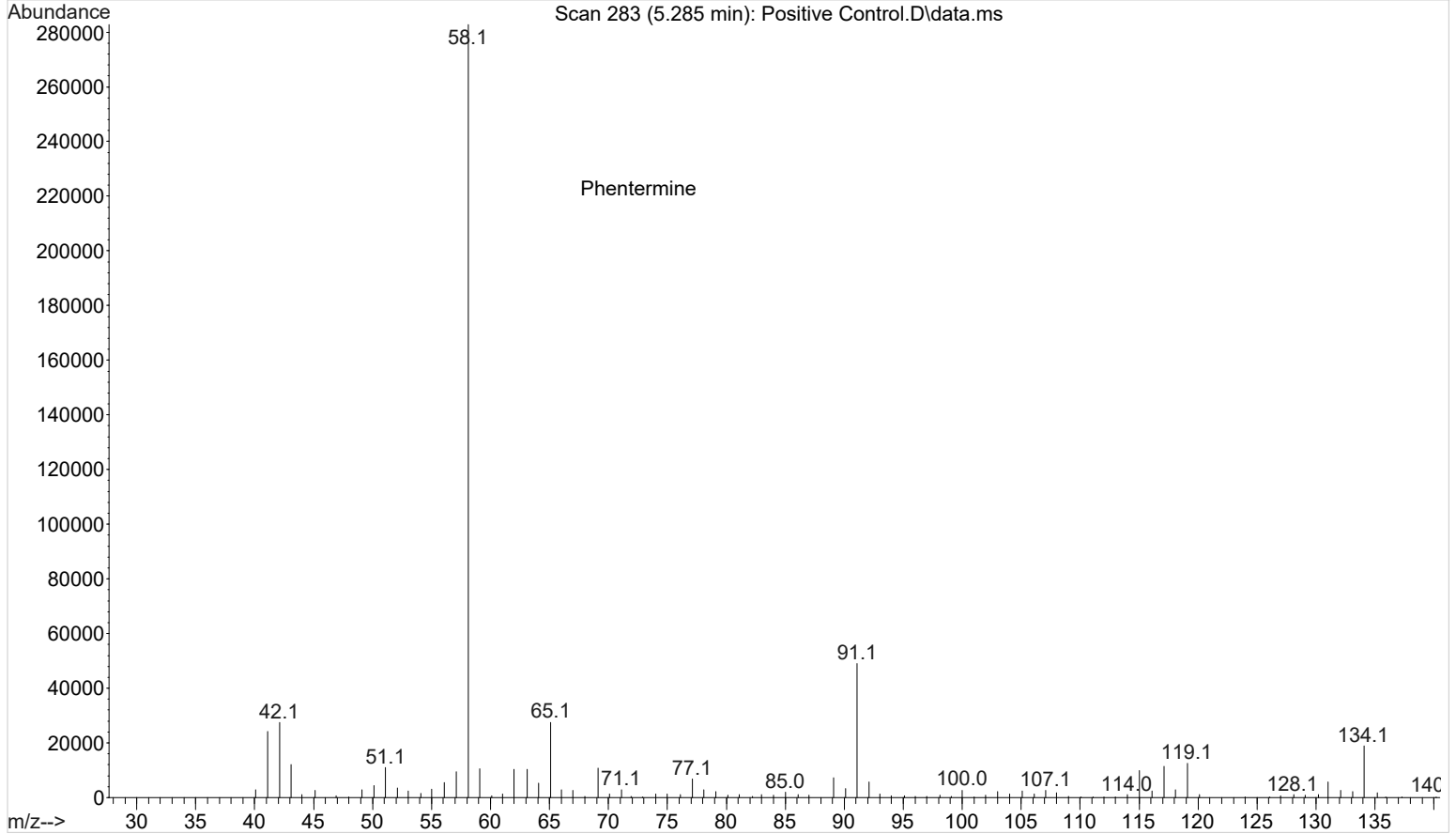
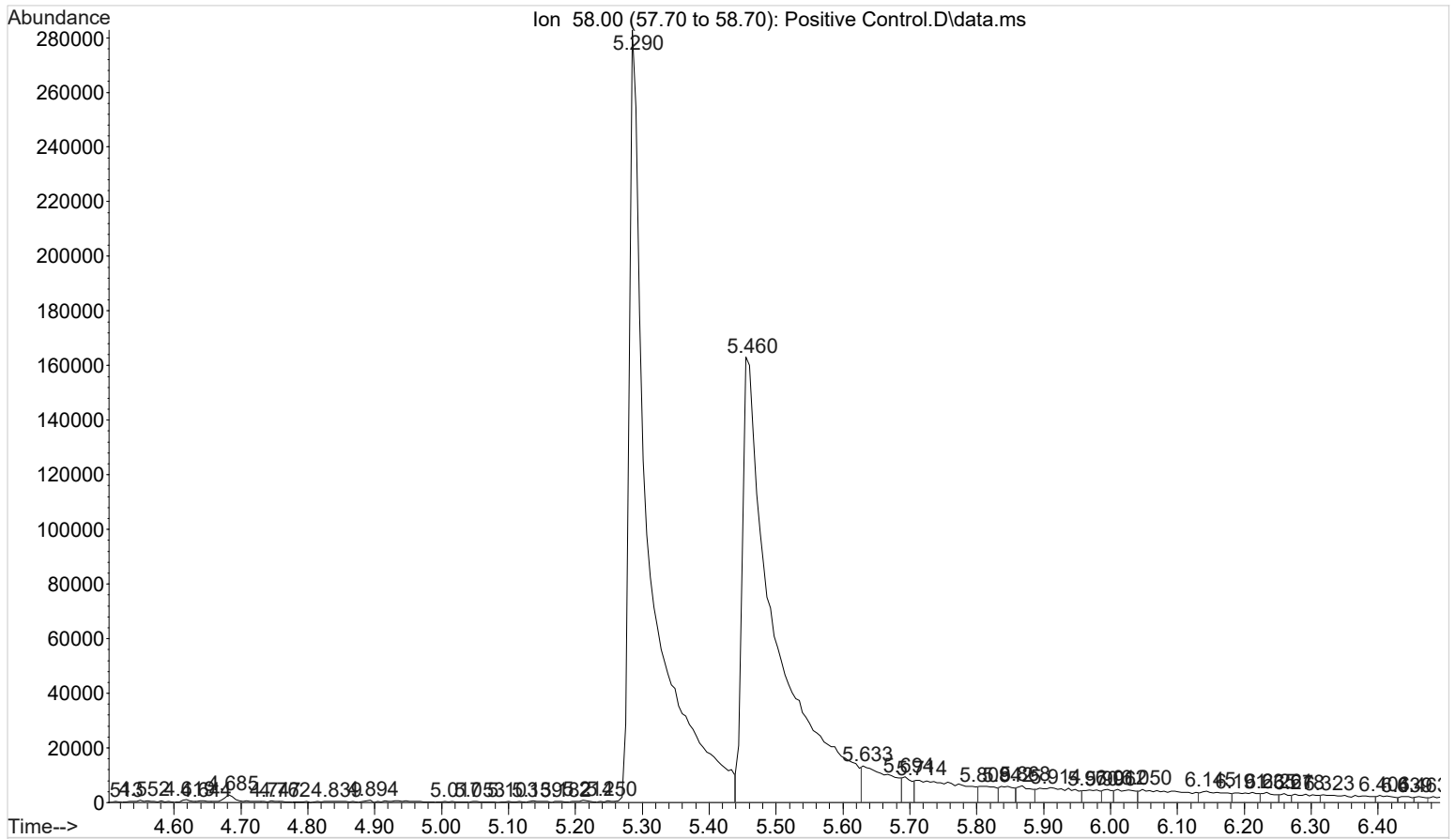


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Instrument : Major Mass Spec  
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Sample Name: Positive Control  
Misc Info : POC031319 + WS082318; AM #2 Worklist 3334



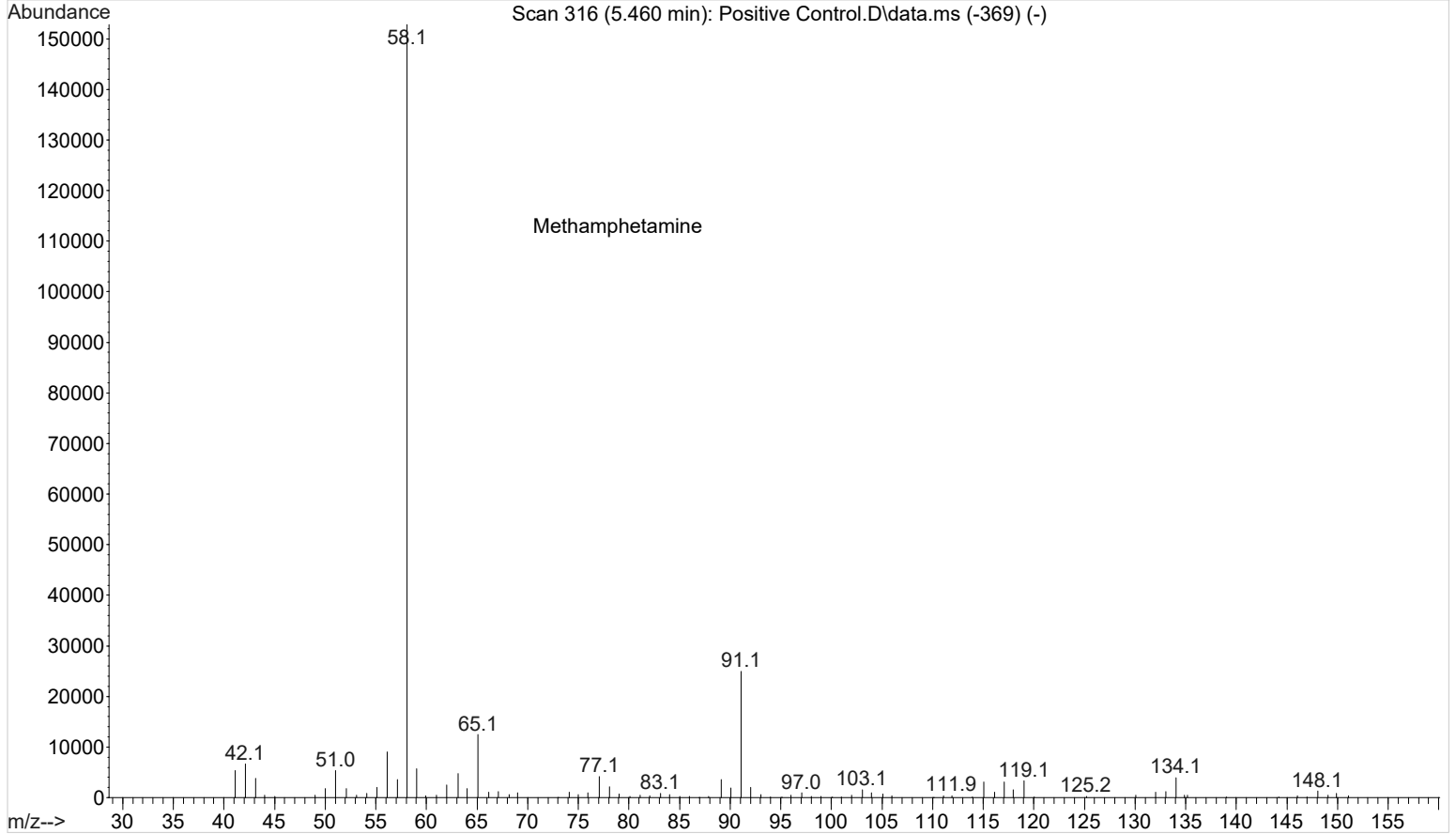
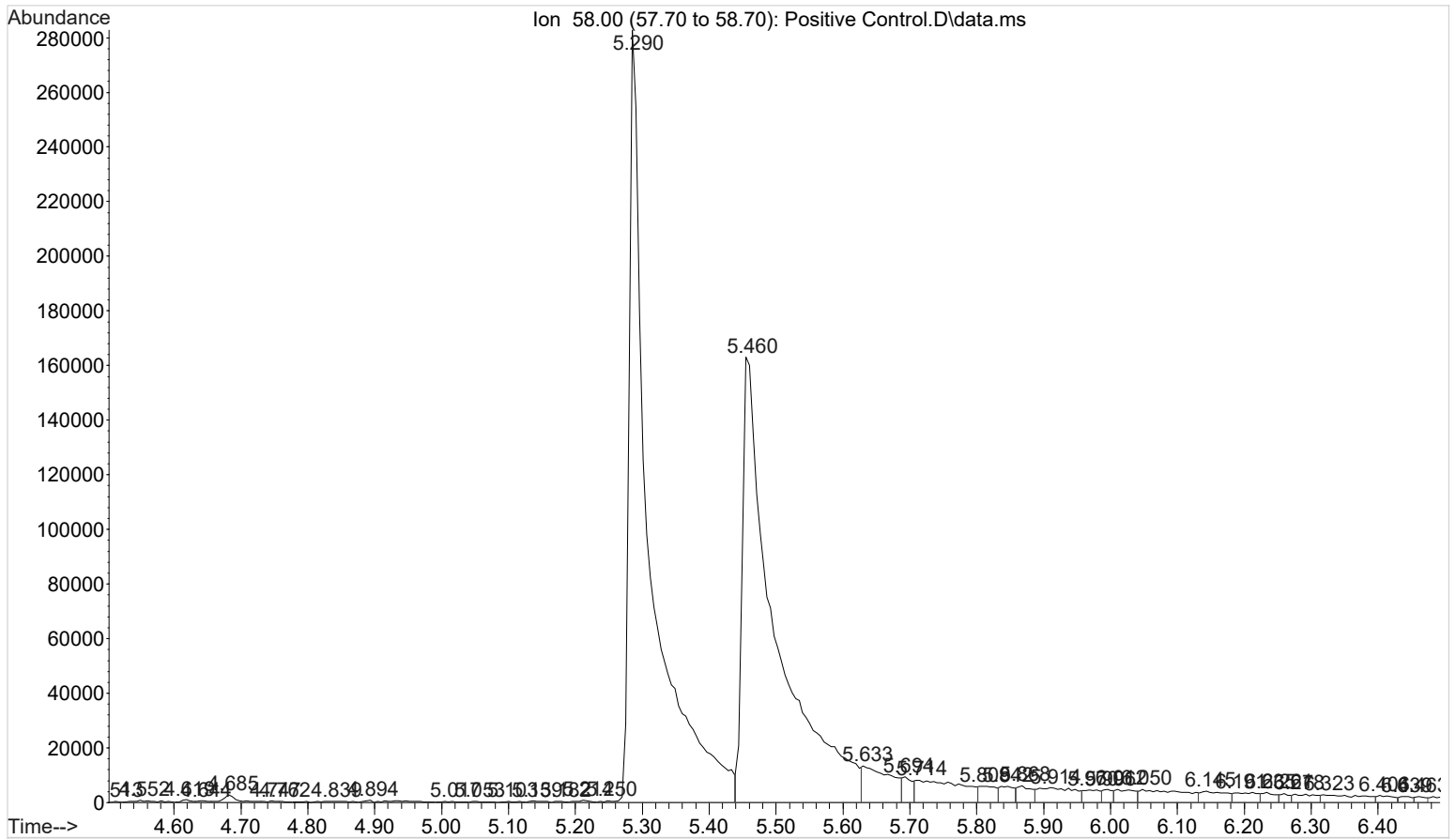
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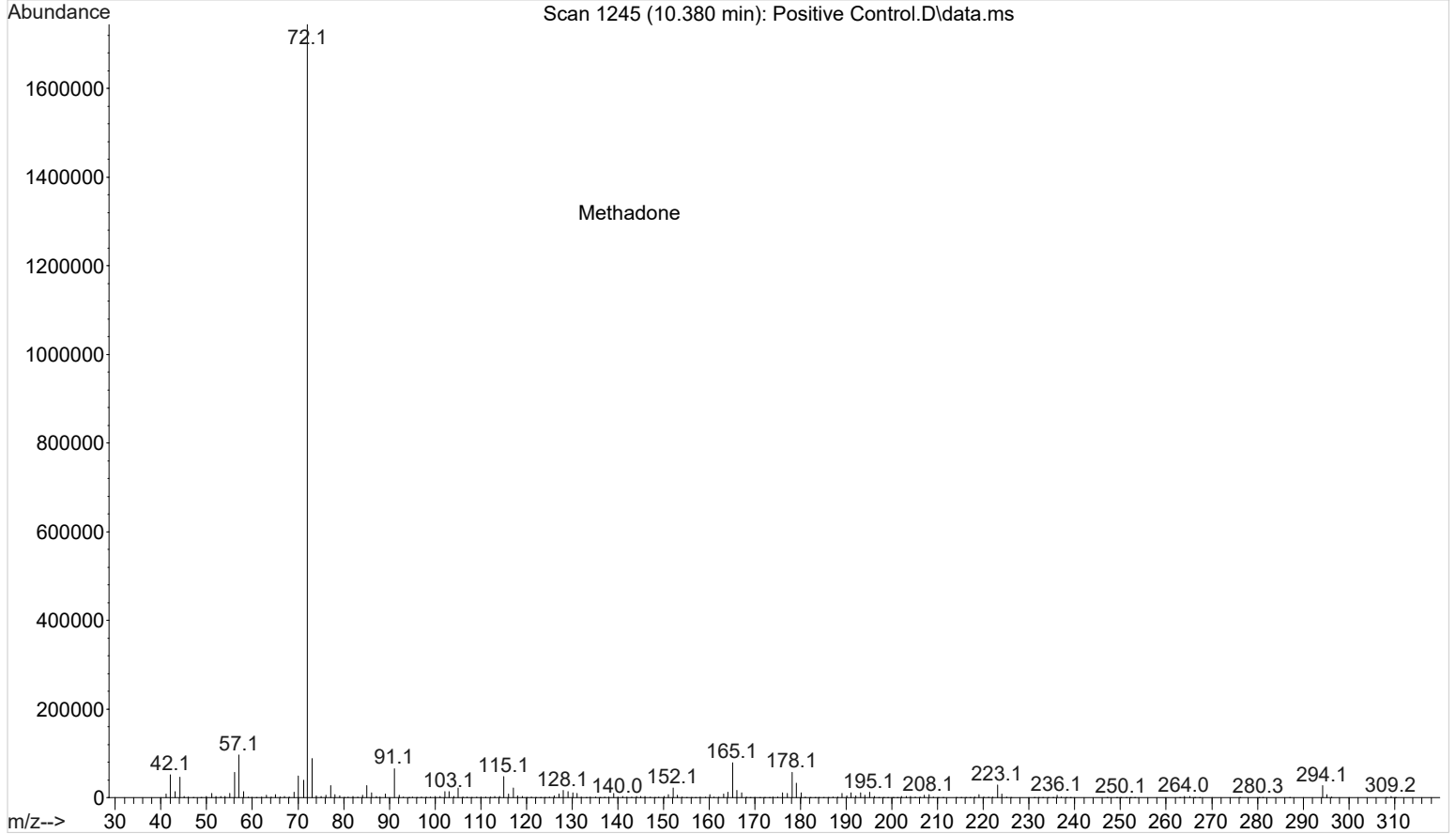
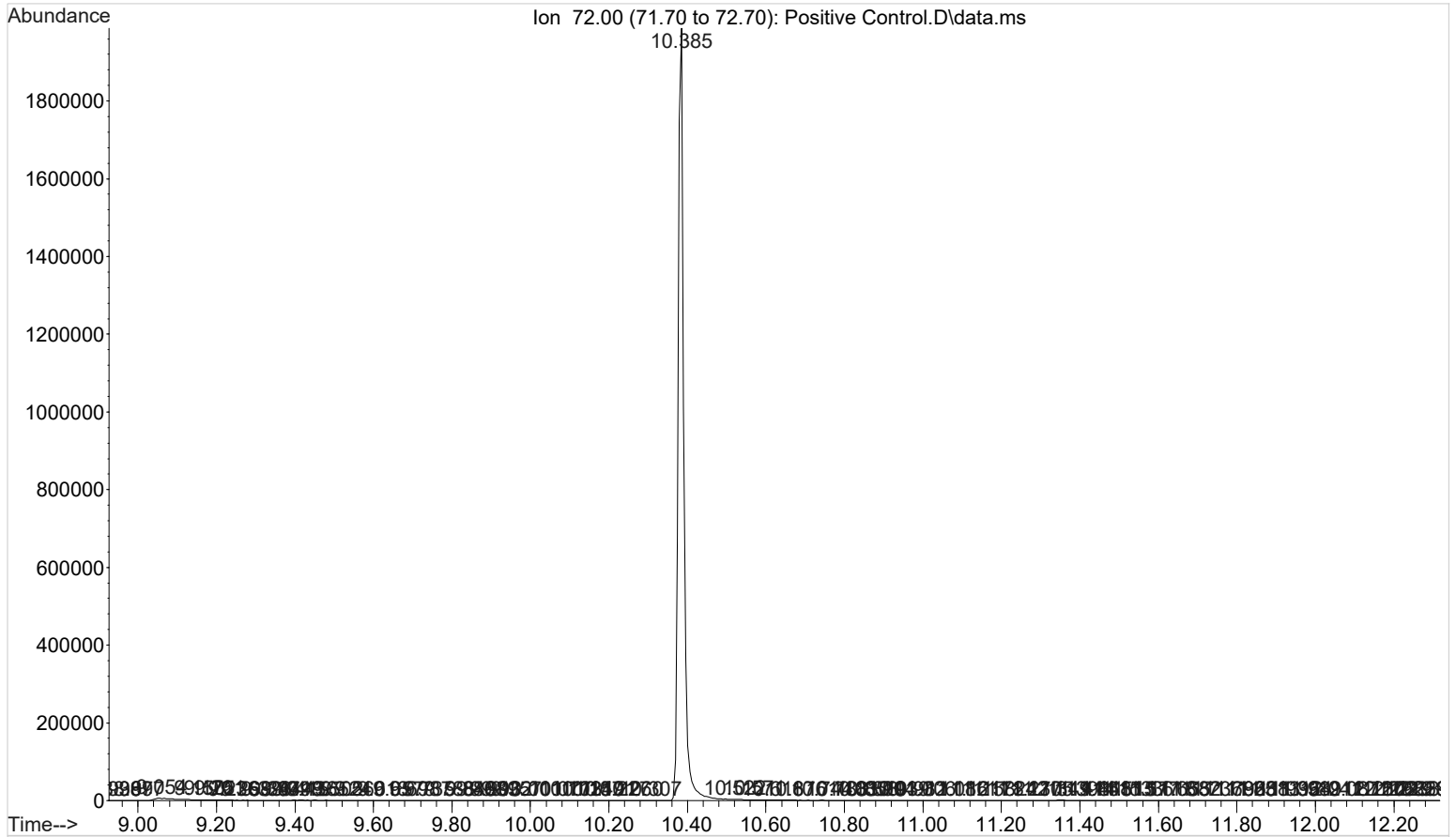
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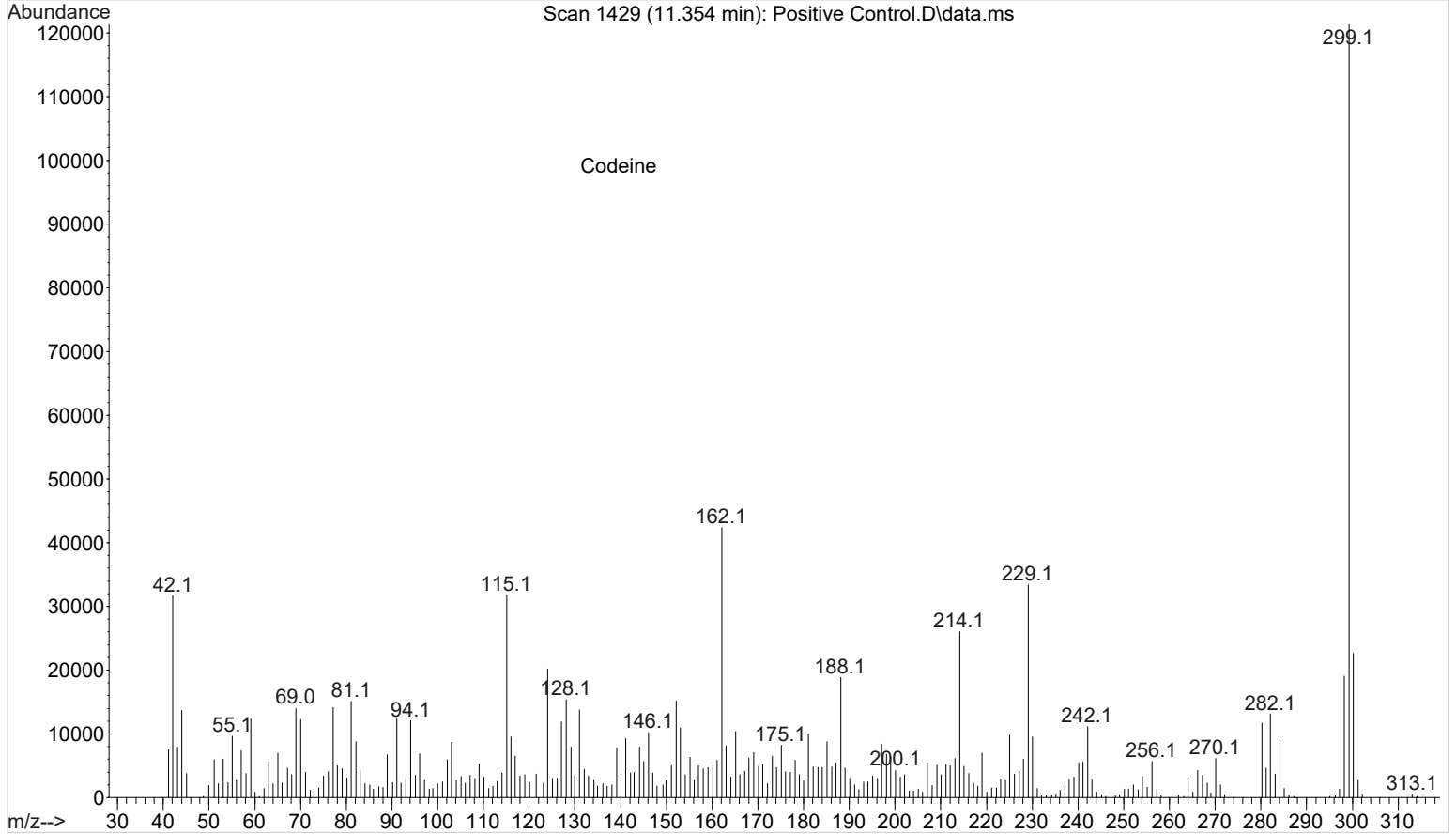
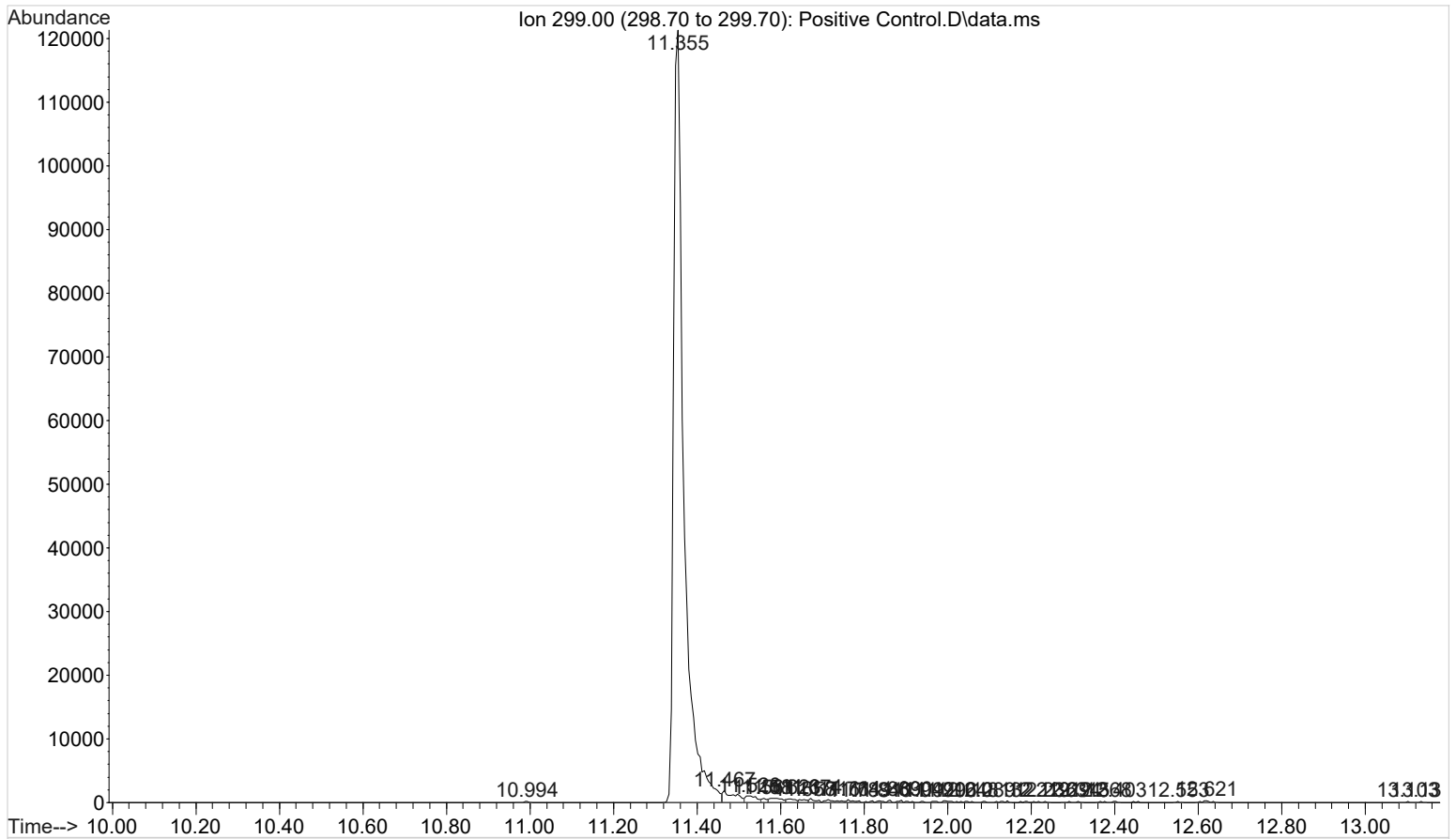
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