















Worklist: 3334

<u>LAB_CASE</u>	<u>ITEM</u>	<u>TASK_ID</u>	<u>DESCRIPTION</u>	
C2019-0684	2	148586	AM 2 Urine Toxi A	
M2019-1533	2	147982	AM 2 Urine Toxi A	
P2019-1130	1	147931	AM 2 Urine Toxi A	
P2019-1152	1	148312	AM 2 Urine Toxi A	
P2019-1173	1	148490	AM 2 Urine Toxi A	
P2019-1174	1	148583	AM 2 Urine Toxi A	
P2019-1181	1	148647	AM 2 Urine Toxi A	
P2019-1204	1	148919	AM 2 Urine Toxi A	
P2019-1214	1	148986	AM 2 Urine Toxi A	
P2019-1218	1	149068	AM 2 Urine Toxi A	
P2019-1227	2	149182	AM 2 Urine Toxi A	
P2019-1254	1	149655	AM 2 Urine Toxi A	
P2019-1262	1	149669	AM 2 Urine Toxi A	
P2019-1263	1	149674	AM 2 Urine Toxi A	

There was a slight difference in the retention time between the methamphetamine in the positive control and case samples. Therefore, the positive control and one case sample were reinjected to see if the difference in retention time remained. After reinjection, the retention time of the methamphetamine in the case sample and positive control were very close to one another. CS

AM 2: De-Tox Tube A Urine Extraction

Extraction Date: 04/29/2019 and 05/28/2019

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.

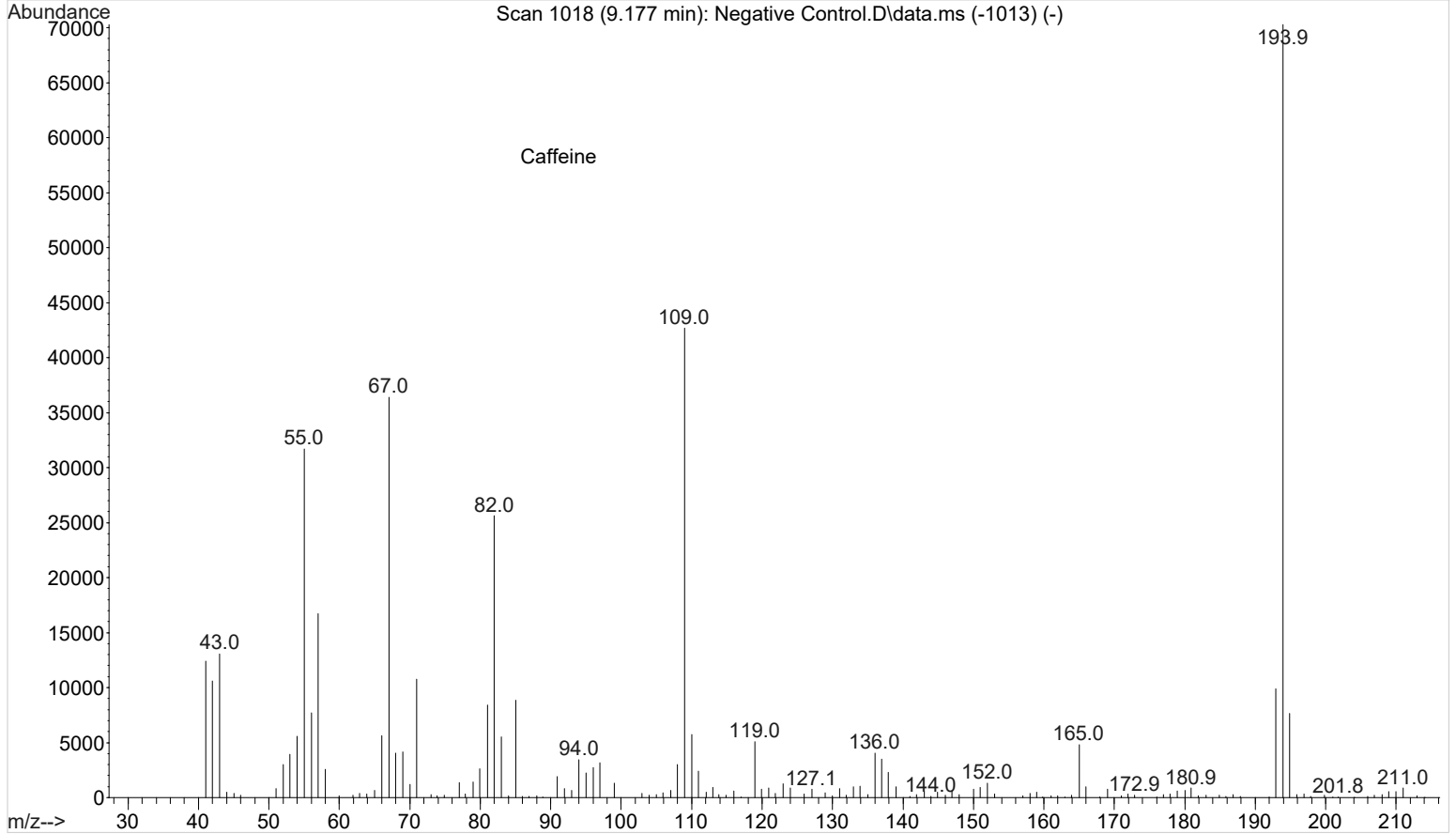
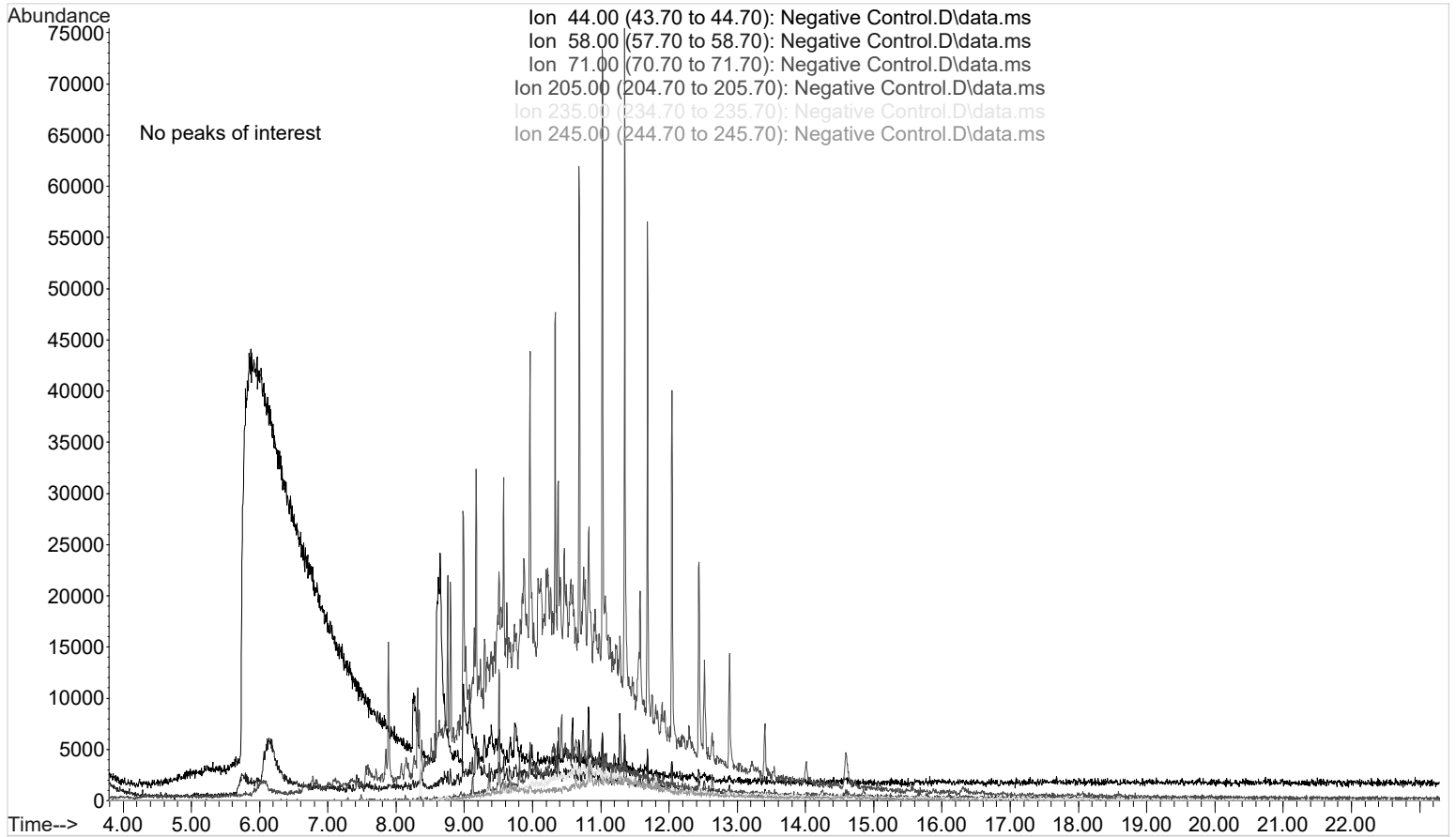
Post-Analytic

- 1. Complete Data analysis on all samples and corresponding sample blanks
GCMS Data path: D:\DATA\CDS\2019\am 2 worklist 3334
- 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,

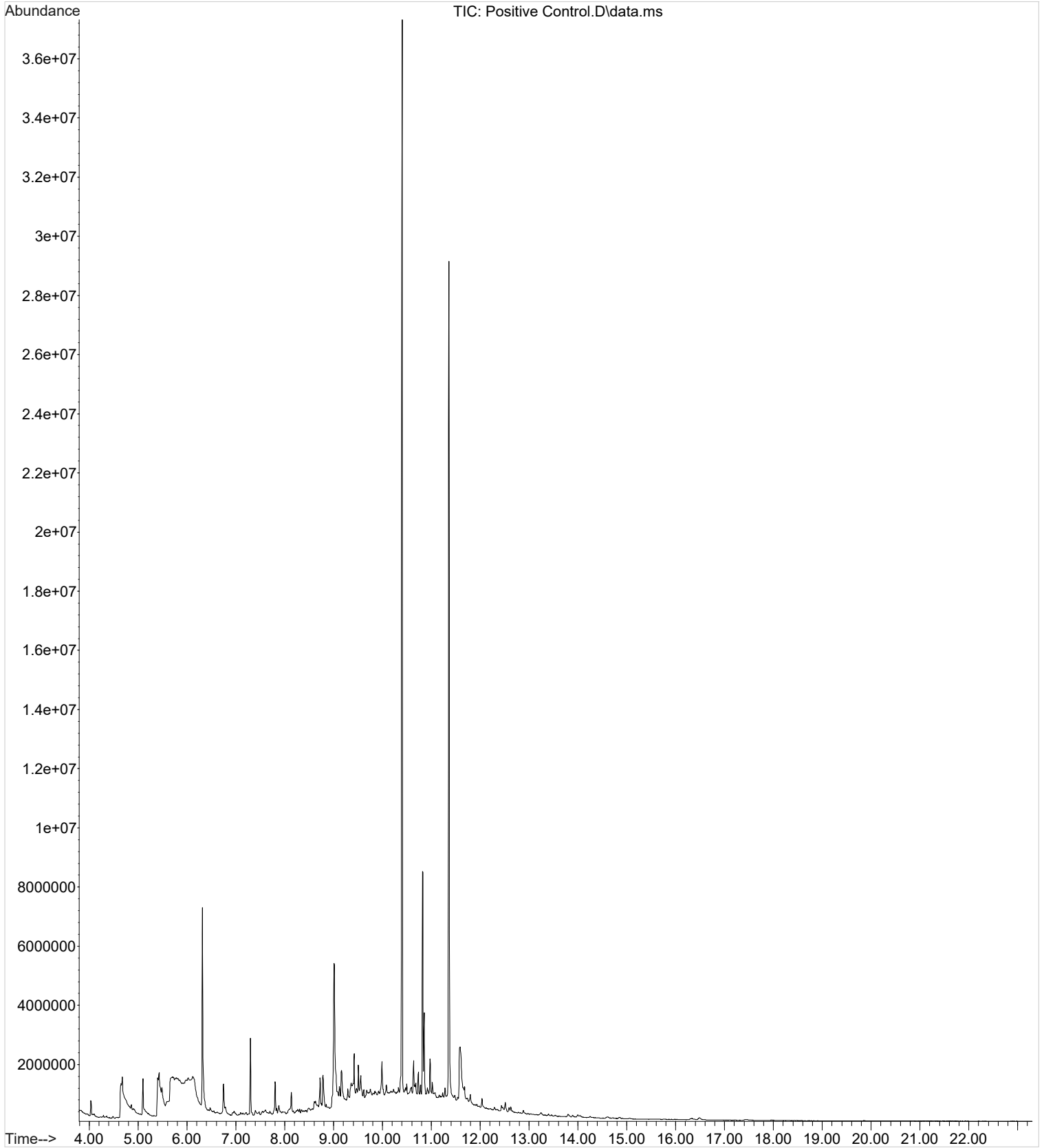
COMMENTS: Samples were originally extracted on 04/29/19 but the positive control failed (morphine was not showing up). The instrument was taken out of service for maintenance. After the instrument was determined to be in proper working order, the samples were re-extracted again on 05/28/19. *CS*

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Operator : ISP\datastor
Instrument : Major Mass Spec
Acquired : 28 May 2019 13:57 using AcqMethod UTOX GEN DRUG 6-2017extended.M
Sample Name: Negative Control
Misc Info : POC031319; AM #2 Worklist 3334

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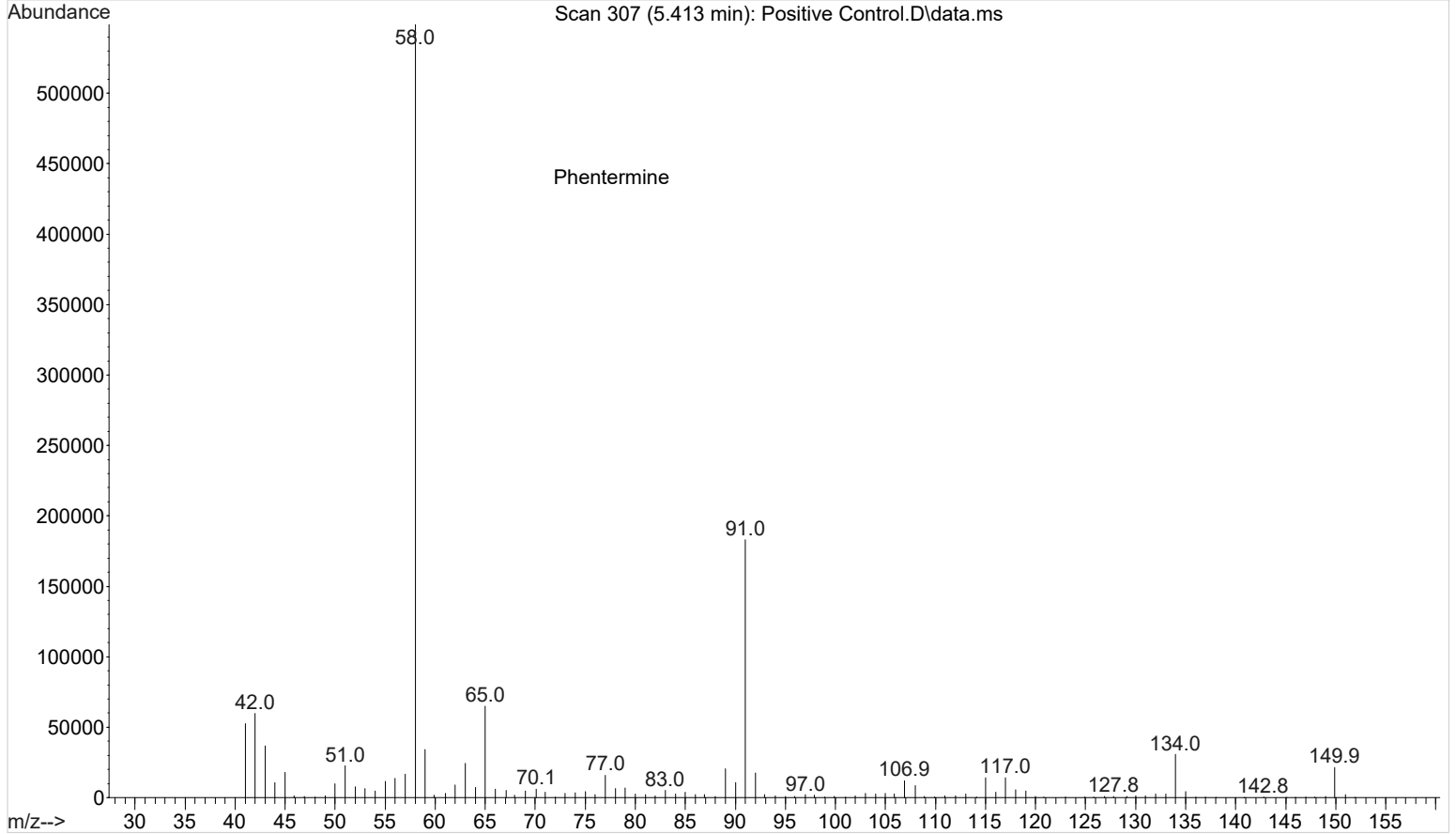
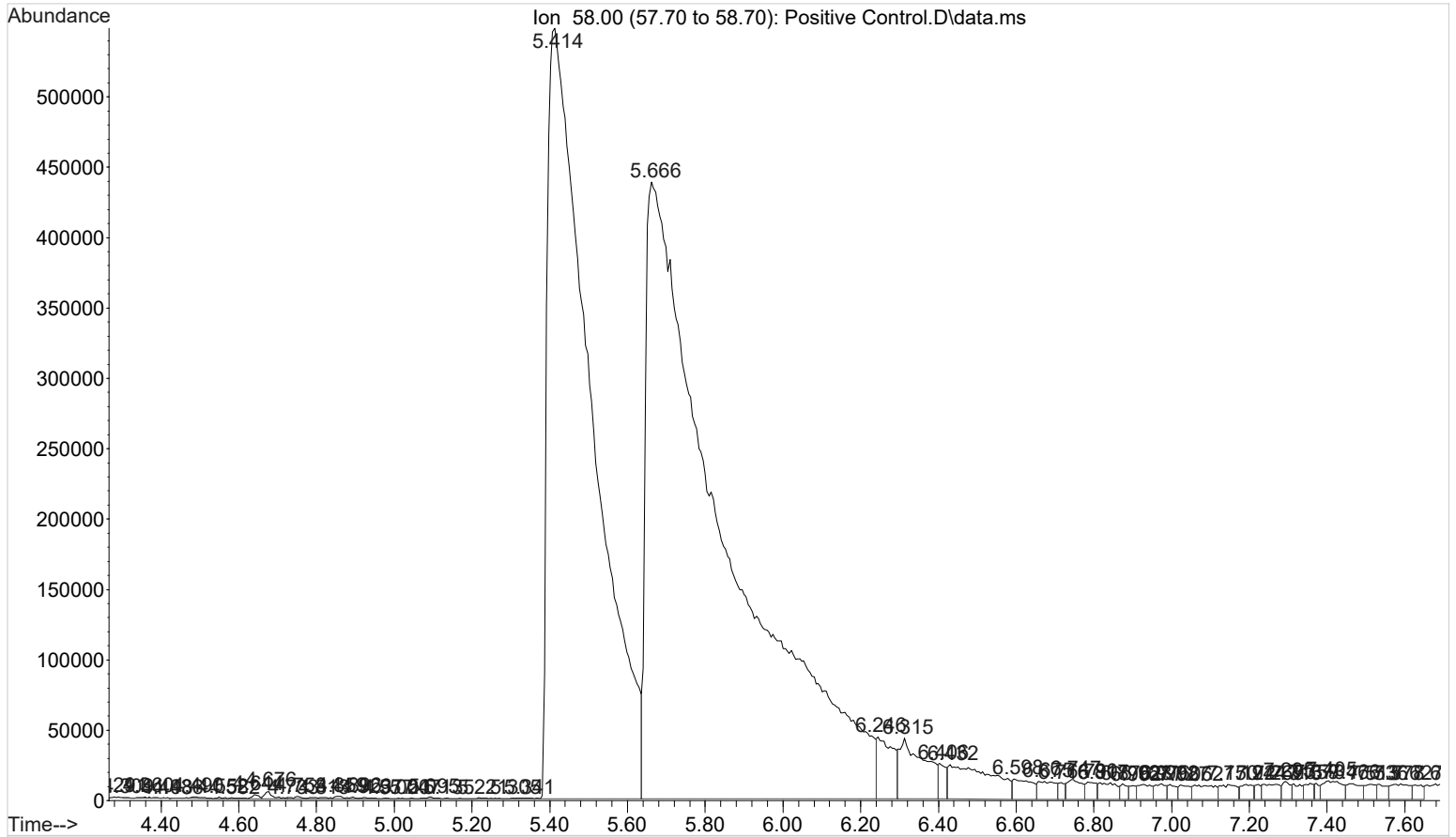


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... list 3334 052819\Positive Control.D
Operator : ISP\datastor
Instrument : Major Mass Spec
Acquired : 28 May 2019 14:26 using AcqMethod UTOX GEN DRUG 6-2017extended.M
Sample Name: Positive Control
Misc Info : POC031319 + WS082318; AM #2 Worklist 3334



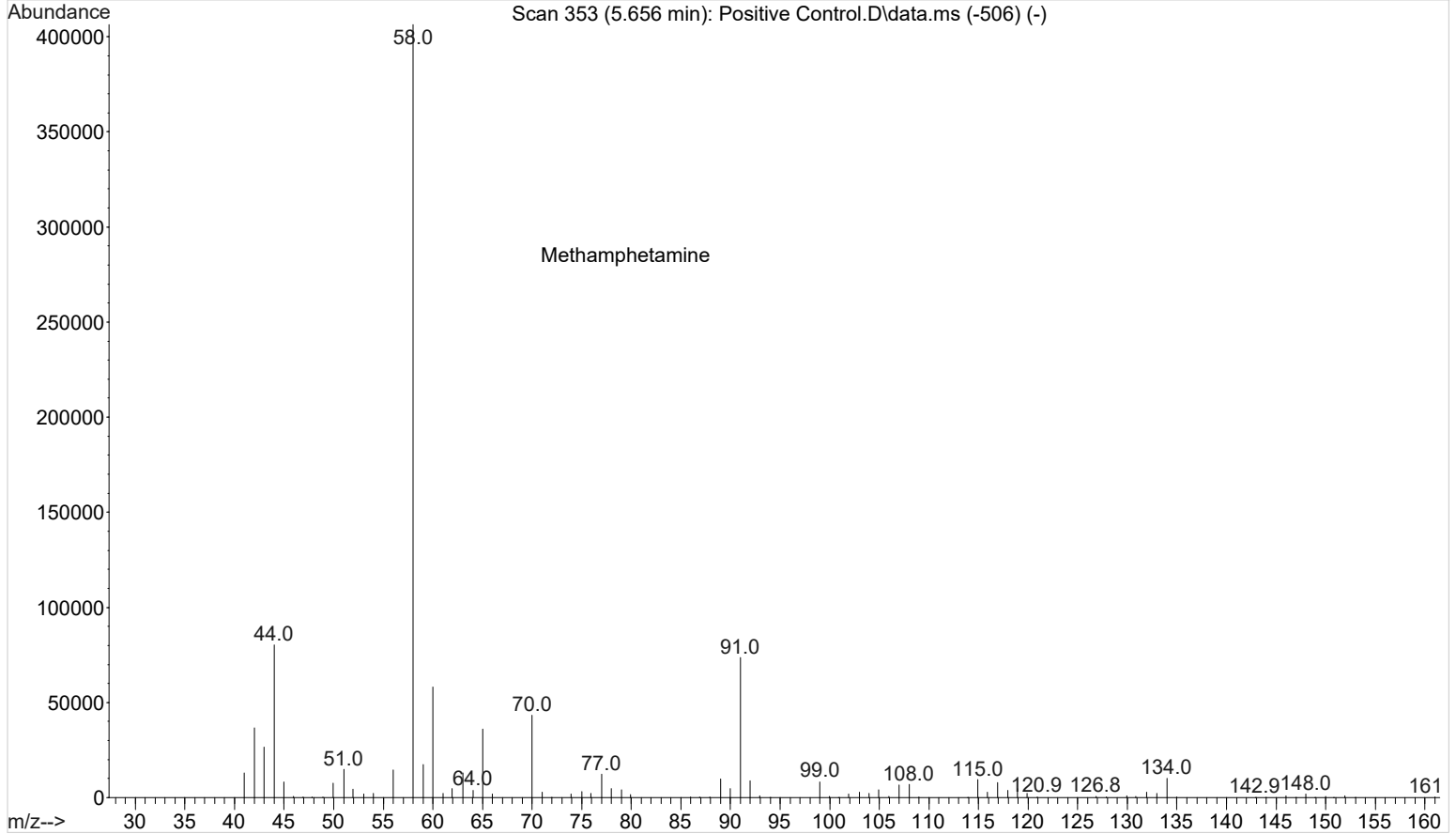
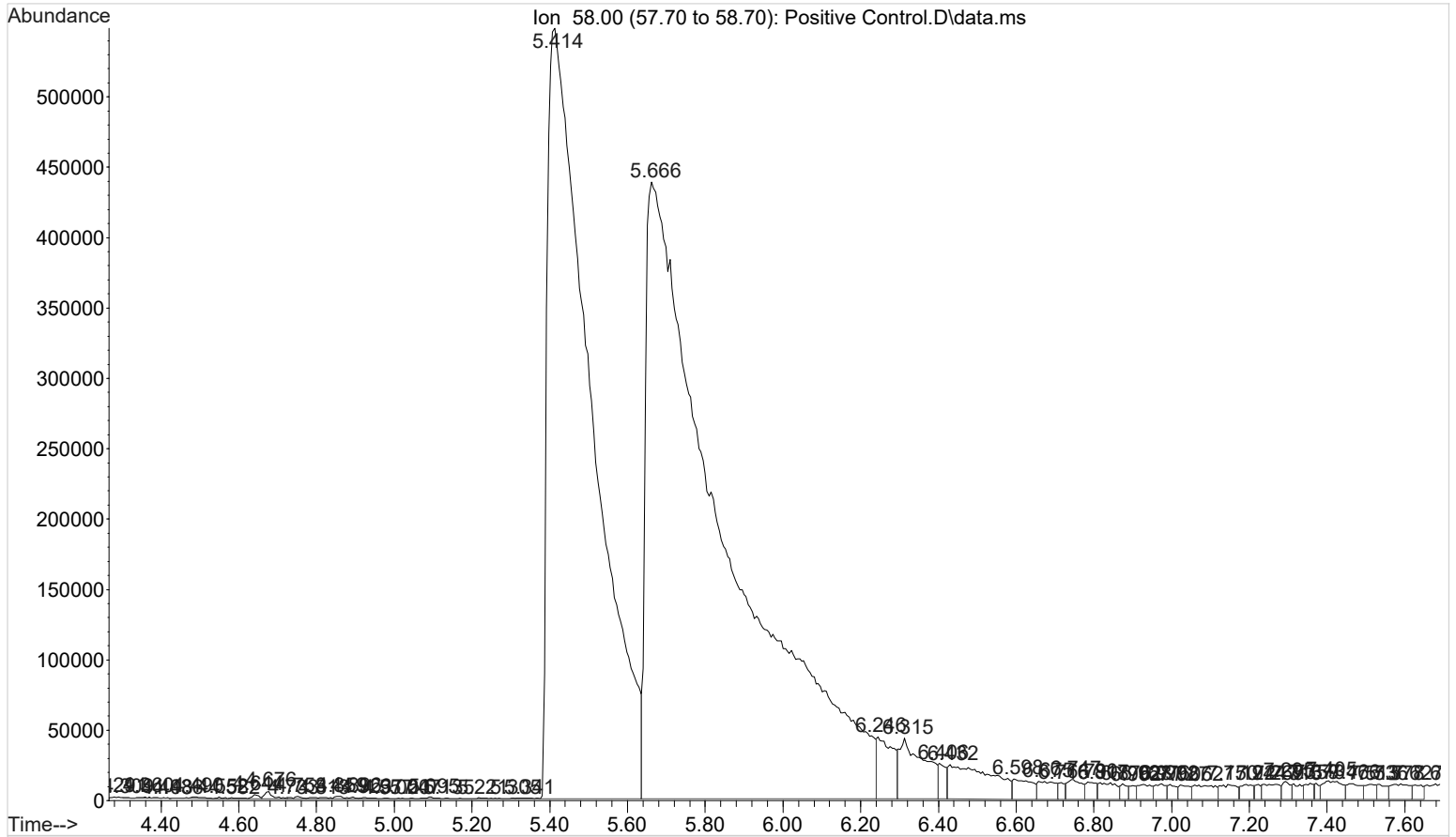
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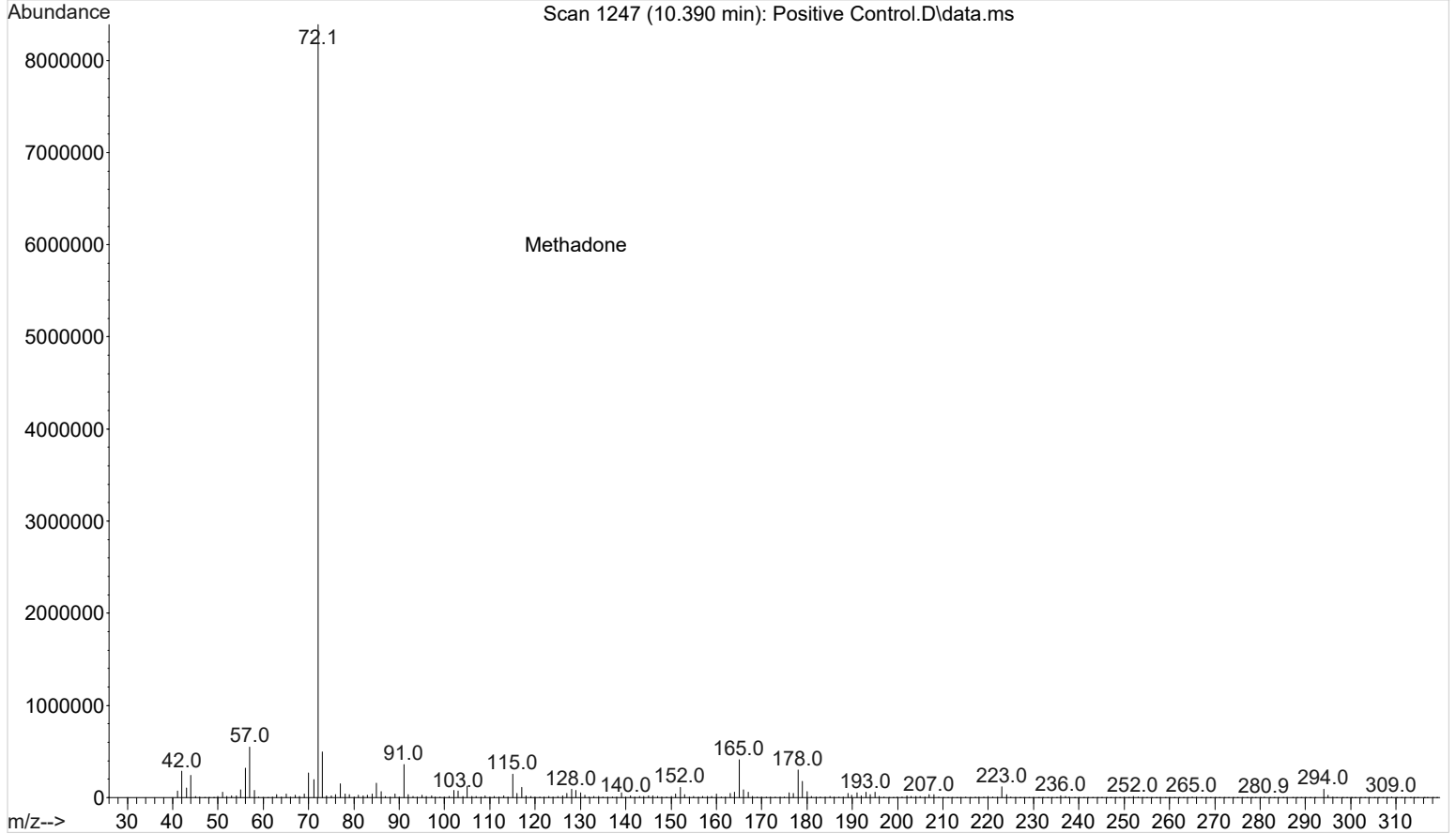
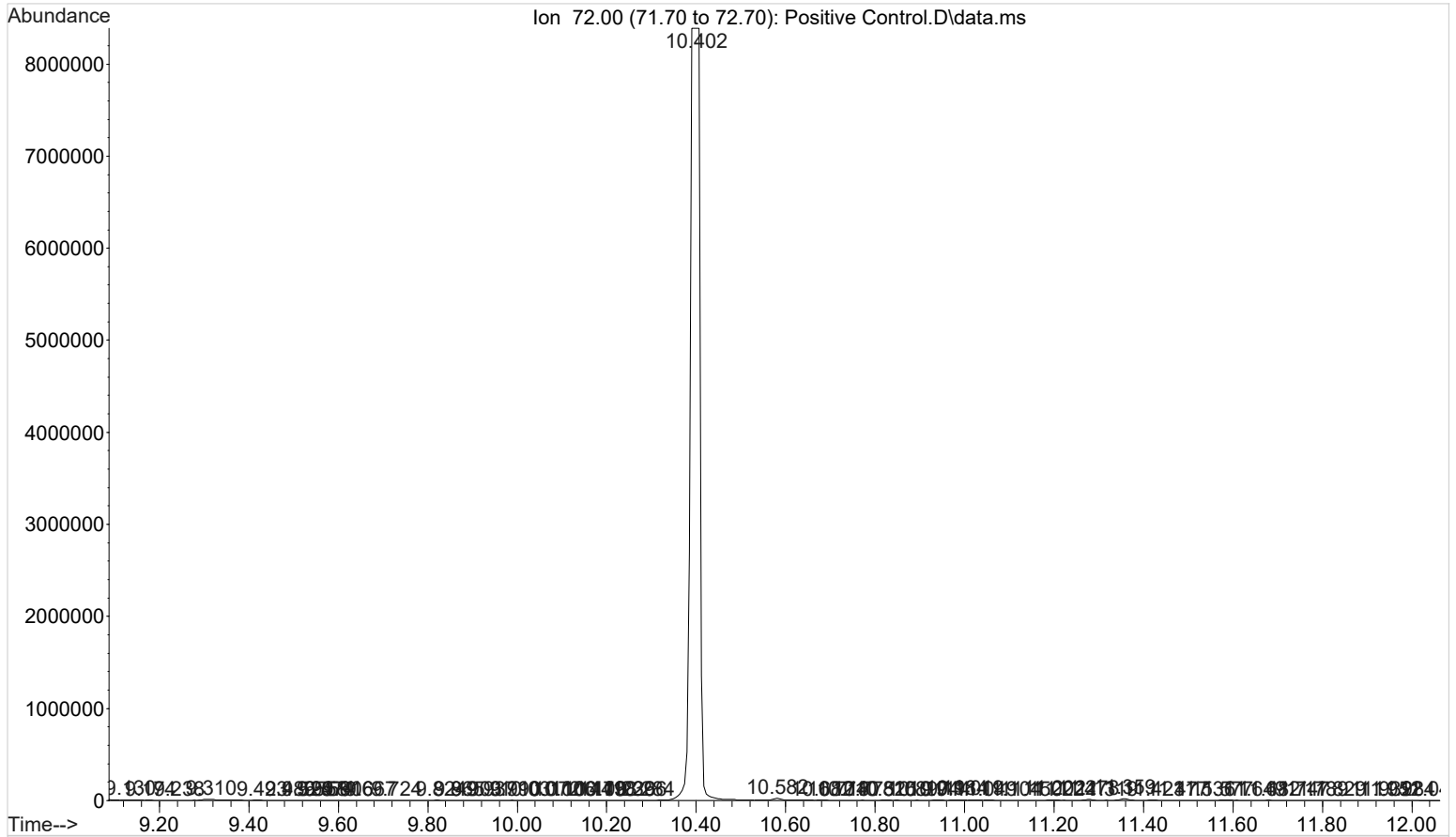
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Methamphetamine

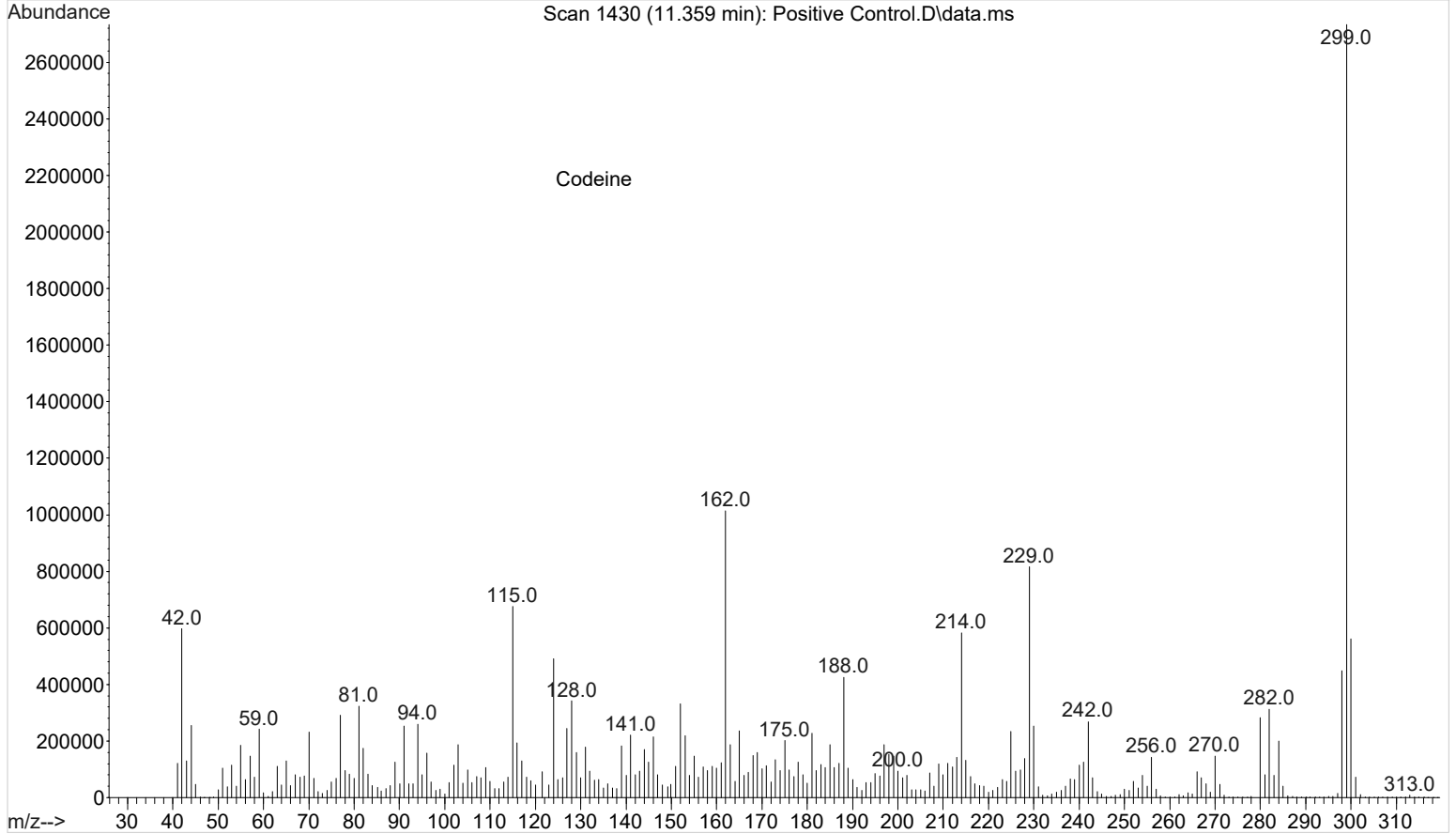
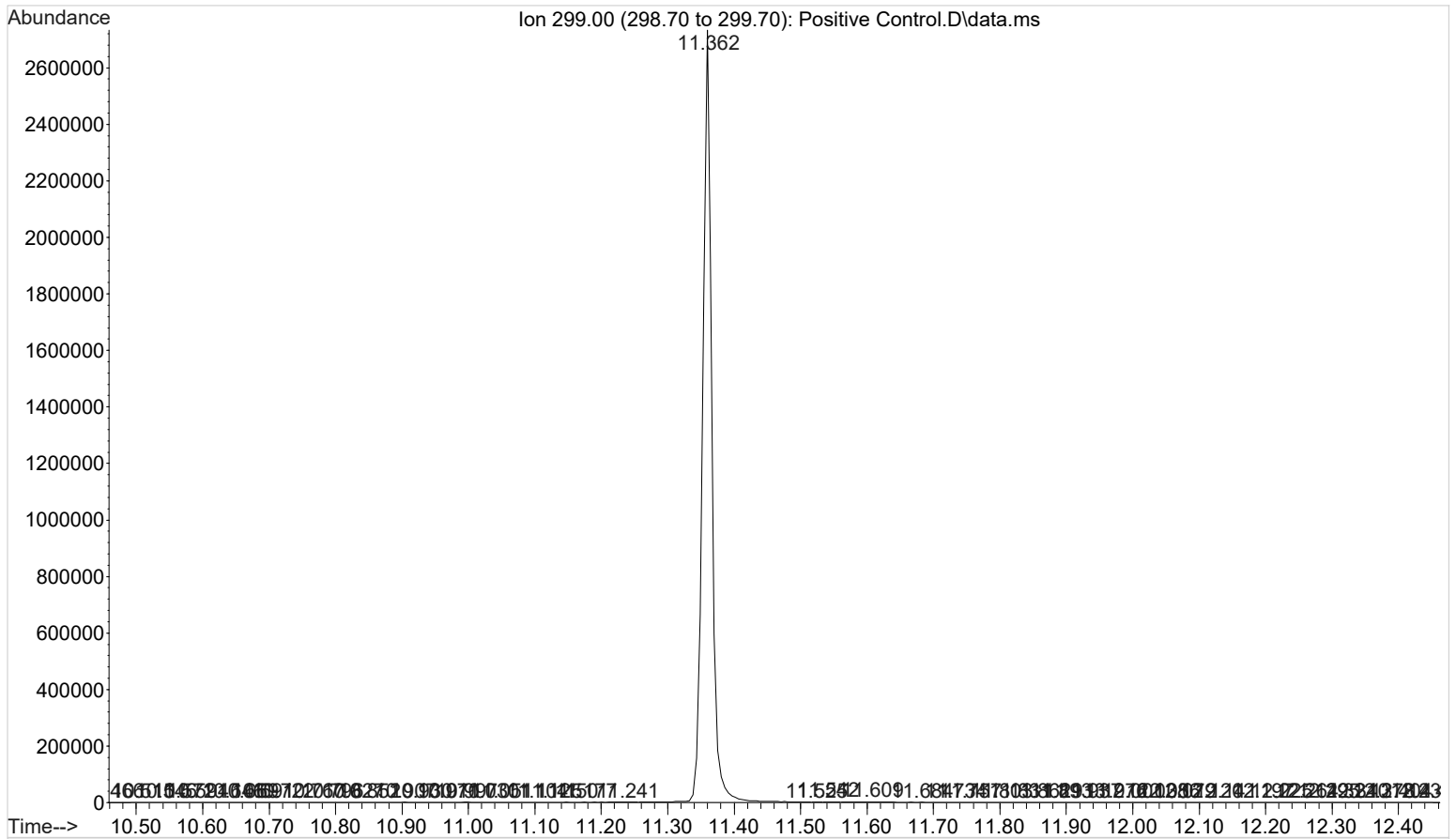
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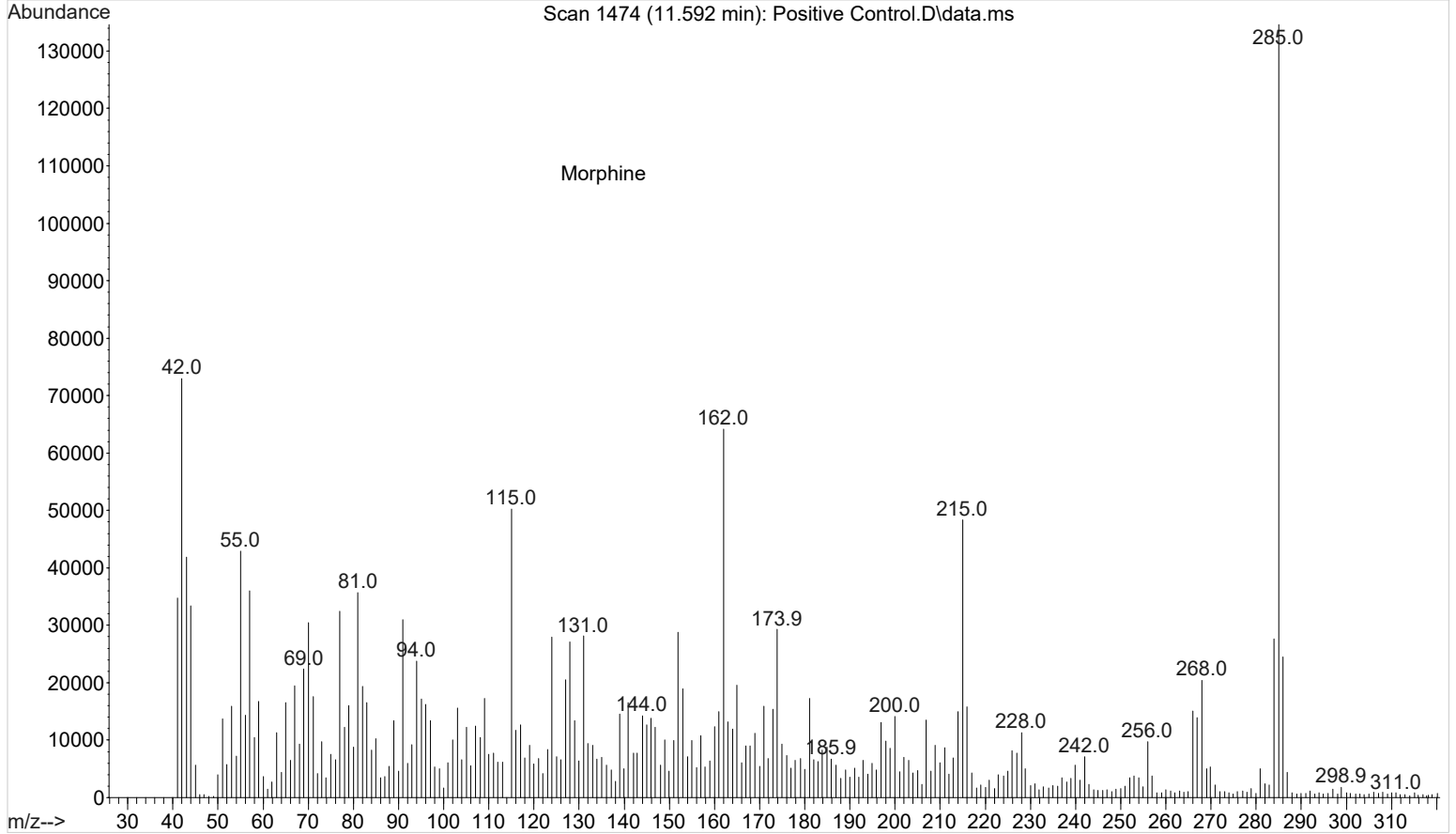
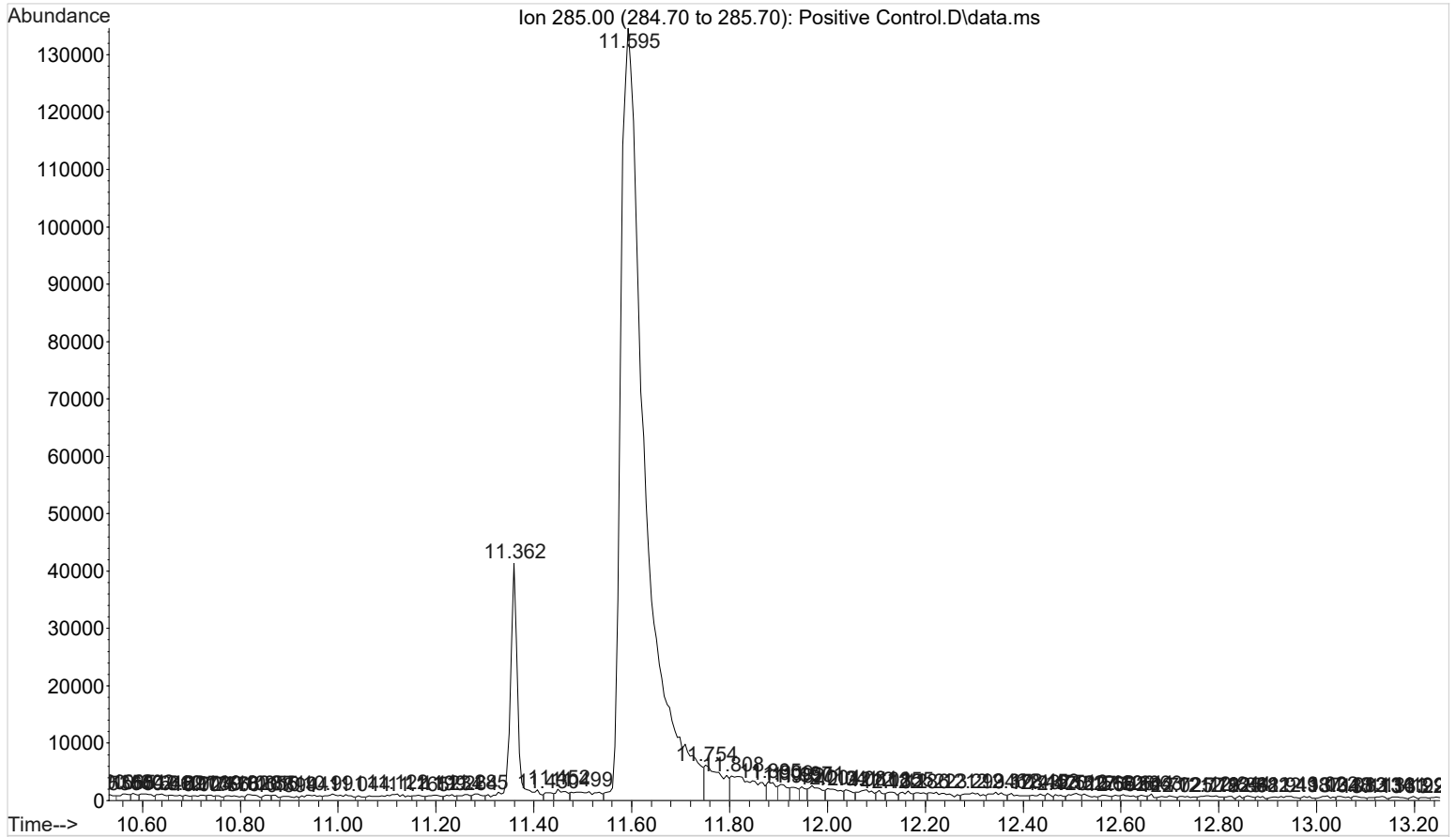
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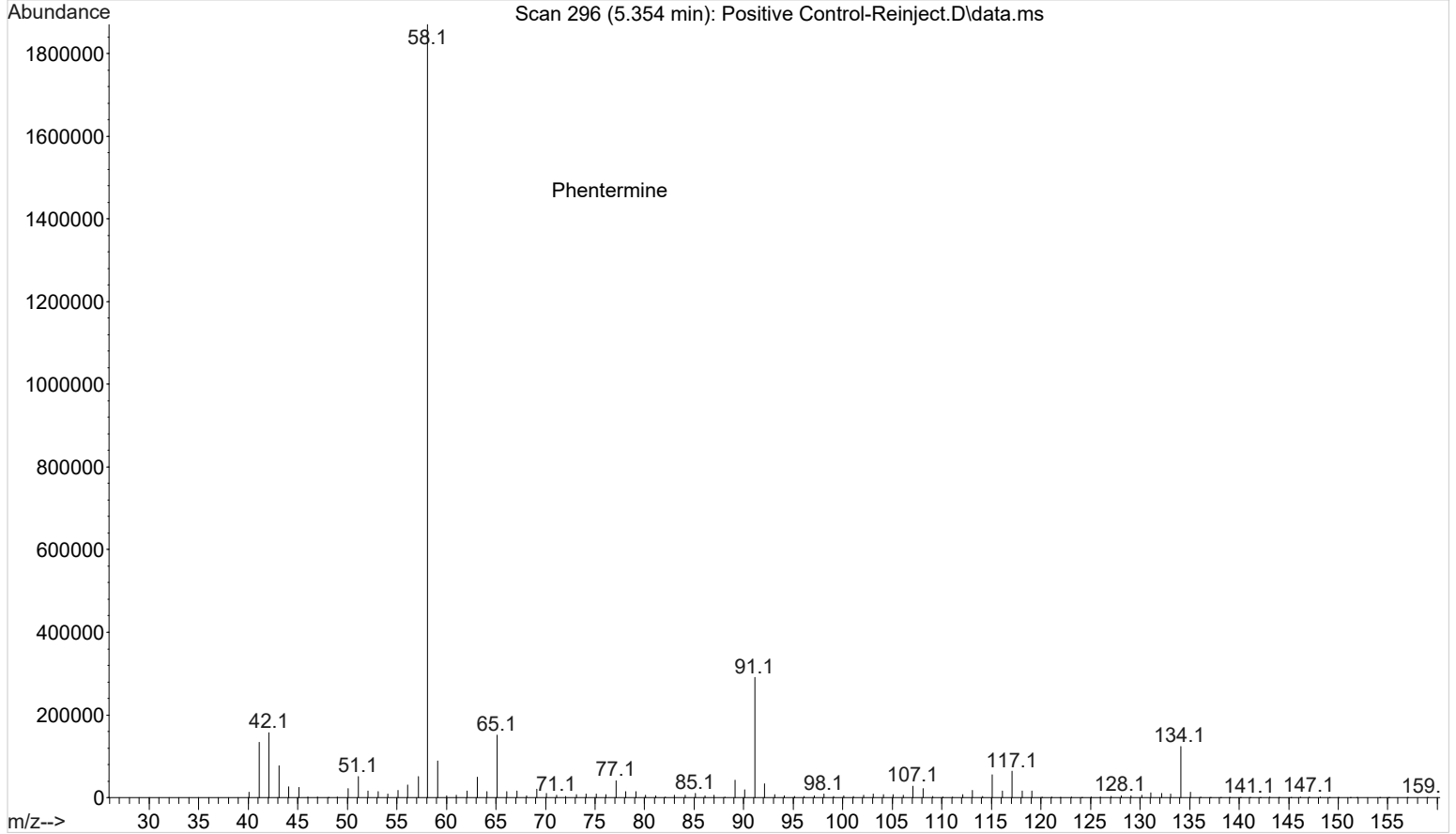
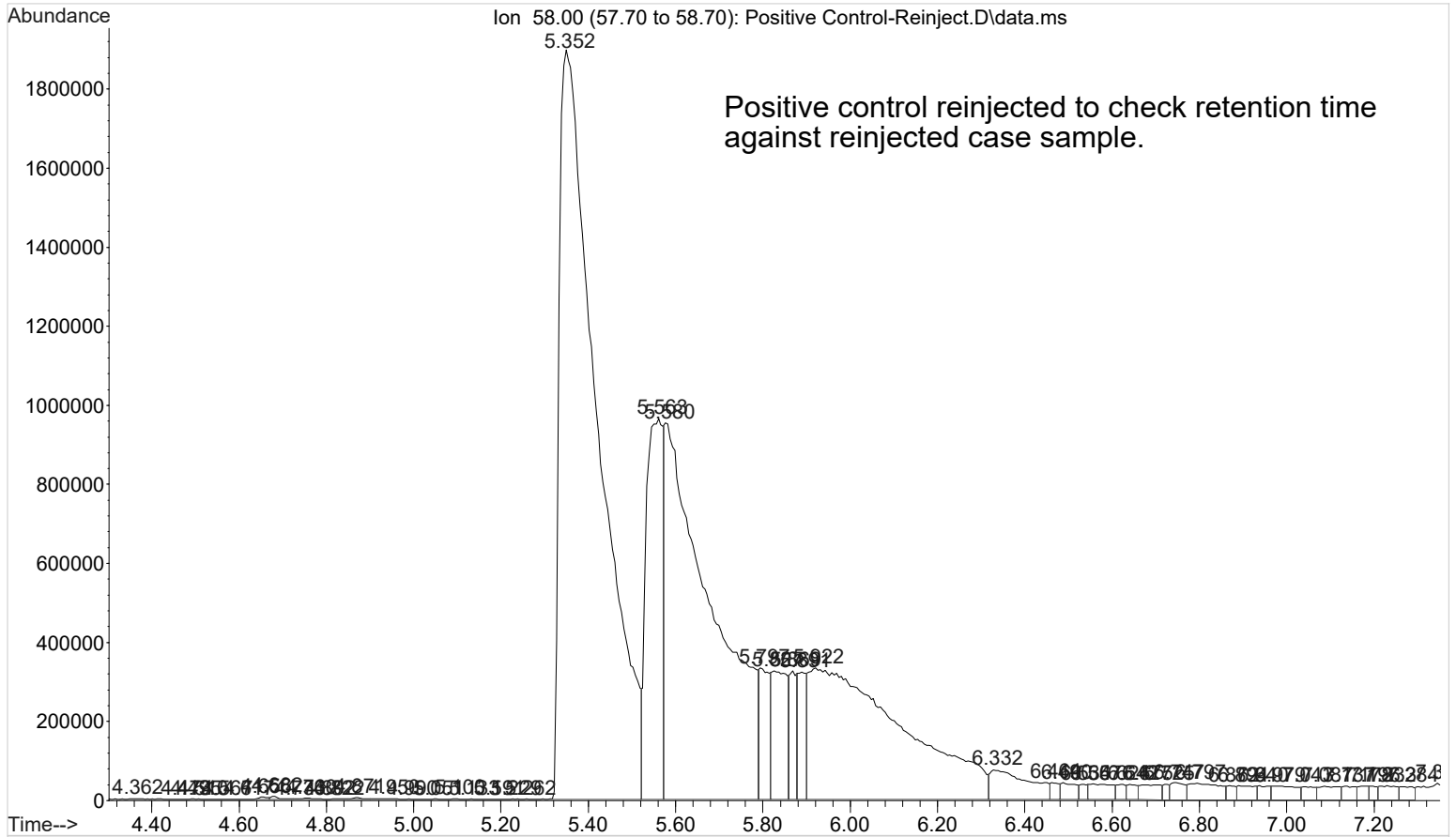
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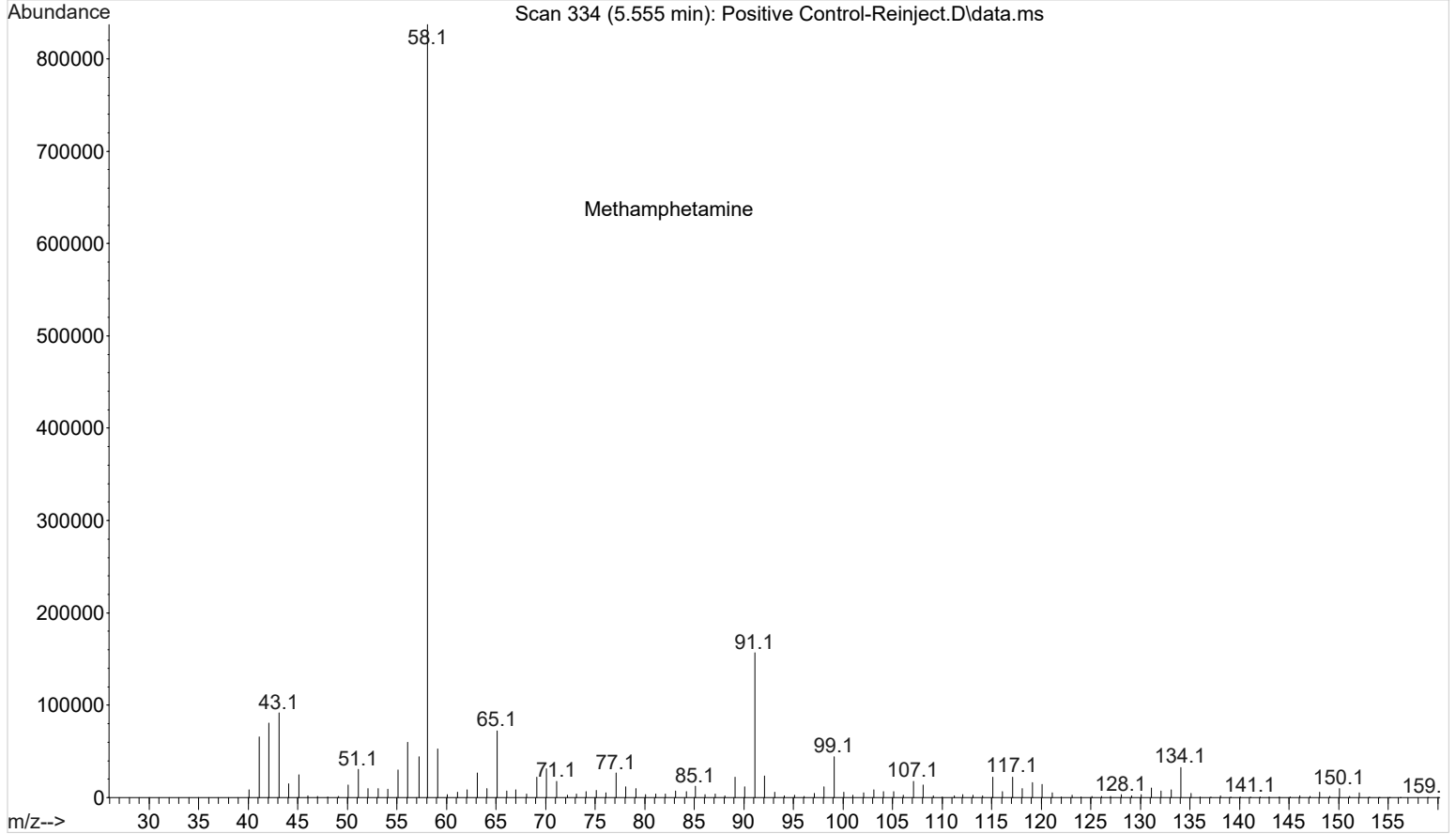
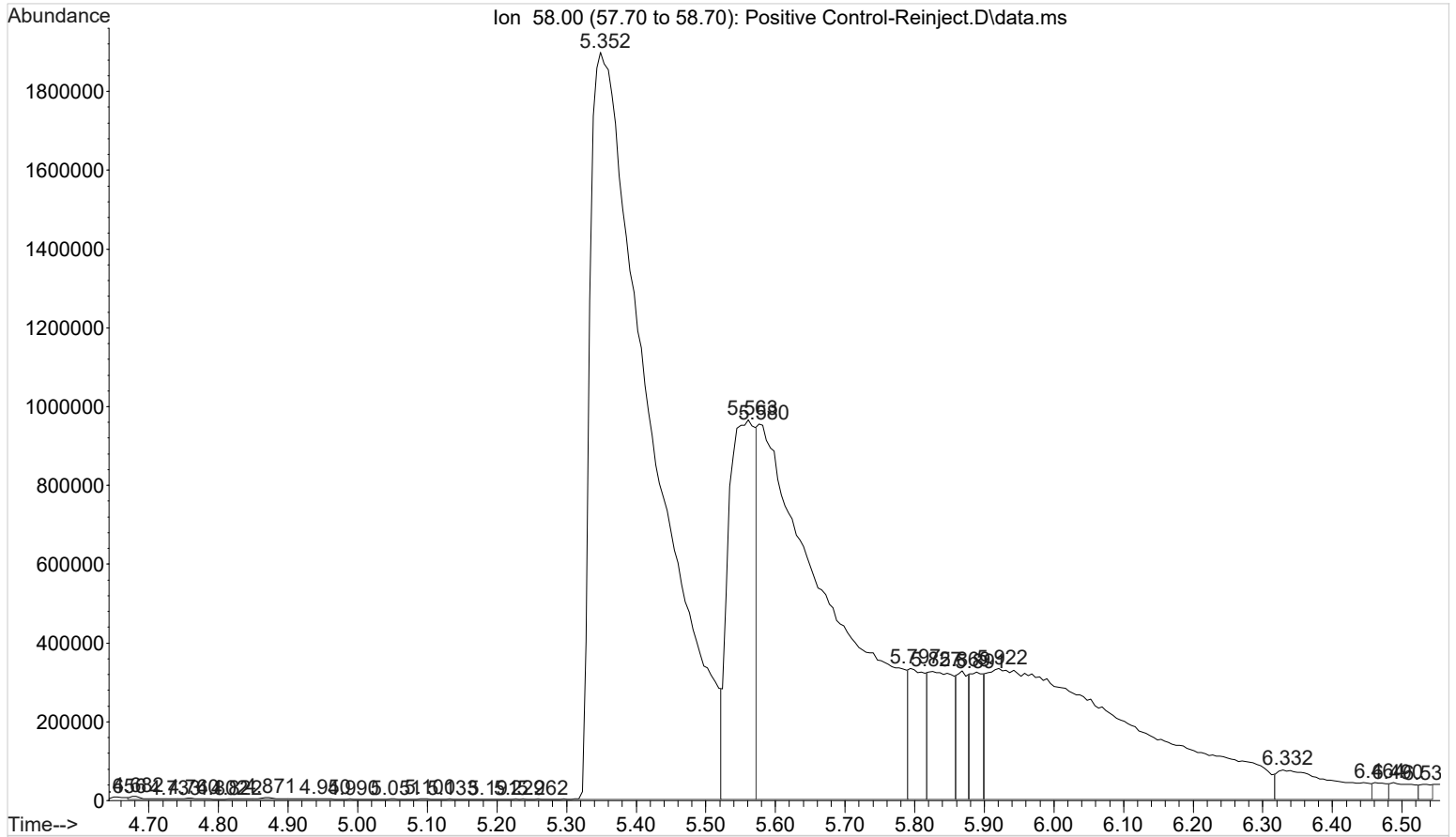
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... ntrol-Reinject.D
Operator : ISP\datastor
Instrument : Major Mass Spec
Acquired : 04 Jun 2019 07:13 using AcqMethod UTOX GEN DRUG 6-2017extended.M
Sample Name: Positive Control
Misc Info : POC031519 + WS082318; AM #2 Worklist 3334

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Instrument : Major Mass Spec
Acquired : 04 Jun 2019 07:13 using AcqMethod UTOX GEN DRUG 6-2017extended.M
Sample Name: Positive Control
Misc Info : POC031519 + WS082318; AM #2 Worklist 3334

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File : G:\TOX\Pocatello\MMS\CDS\2019\am 2 worklist 3334\ [REDACTED]
... 1-Reinject.D
Operator : ISP\datastor
Instrument : Major Mass Spec
Acquired : 04 Jun 2019 08:10 using AcqMethod UTOX GEN DRUG 6-2017extended.M
Sample Name: [REDACTED]
Misc Info : AM #2 Worklist 3334

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