

Performance Check for updating Wall-E to Windows 11 Pro

Tennessee Bureau of Investigation Knoxville Crime Lab

8-9-24

1. Purpose of performance check

The purpose of this performance check is to verify the performance of Wall-E. This check will verify the methods, performance, and accuracy of identifications by comparative analysis. This is required as Wall-E received firmware updates, and a new computer, requiring a limited reperformance check to demonstrate that it still produces acceptable data for casework.

2. Objectives

- a. Demonstrate the accurate operation of the gas chromatograph mass spectrometer after receiving firmware updates to the instrument and the computer being replaced.
- b. Demonstrate the ability of the MassHunter and Chemstation software to function as intended software to continue to function with the updated system software.

3. Setup and Procedures

Forensic chemistry MS identification methods were created with the same parameters as previously validated methods on this instrument before being updated.

Appropriate standards were run on each auto-sample method to demonstrate performance and consistency. Two different standards/standard mixes were run on each auto-sample method where appropriate. Other methods were verified by running the standards necessary for that method.

Various separate standard mixes were used depending on the method; one containing xylazine, anilino-N-phenethylpiperidine (4-ANPP), heroin, para-fluorofentanyl and fentanyl. Another mix containing cocaine, hydrocodone, and pethidine was also used on methods where appropriate to compare. A buprenorphine standard was also run on the appropriate methods, as well as testosterone propionate, sildenafil, GHB, delta 8-THC and delta 9-THC.

The spectra obtained from these standards were compared to library spectra and the chromatographs were compared to chromatographic data obtained before the update.

4. Results and Conclusion

Analysis of the standards run on Wall-E have consistently shown compliance with standard operating procedures in chapter 21. All methods have been utilized in the analysis of known drug standards. The data obtained from these standards is consistent with previously verified standards in the Knoxville forensic chemistry standard library. The instrument response was compared to older data taken from before the period of maintenance. The chromatography, peak shape, and separation all appear to be consistent to the data that the instrument was generating prior to the update.

5. Training and Competency

Wall-E is configured the same as the other existing instruments in the laboratory. There are no significant changes in instrumentation that would warrant an initial demonstration of proficiency for these methods.

6. Conclusions

After monitoring parameters specified in Forensic Chemistry Standard Operating Procedure found in chapter 21 and verifying the functionality of the methods with known drug standards, it has been demonstrated that Wall-E produced comparable results to previous instrument response and GCMS libraries. This confirms the correct operation of the updated firmware and software.

Materials

Computer:

Device WallyDrugsKnox (Wall-E)
Processor 13th Gen Intel(R) Core(TM) i5-13600 2.70 GHz
Installed RAM 16.0 GB (15.7 GB usable)
Device ID 80A7DAAF-06D9-412A-B911-AB2A82E159E0
Product ID 00355-61430-84991-AAOEM
System type 64-bit operating system, x64-based processor
Pen and touch No pen or touch input is available for this display
Edition Windows 11 Pro
Version 23H2
Installed on 7/18/2024
OS build 22631.3880
Experience Windows Feature Experience Pack 1000.22700.1020.0

Productivity tools:

Enhanced Chemstation

F.01.03.2357

Agilent MassHunter Workstation:

Version 10.1.49

GC:

Agilent 7890A GC system

Serial: CN10411075

MS:

Agilent 5975C

Serial: US10423610

Column:

MS: DB-1MS 128-0112, 12 meter, 0.20 mm ID, 0.33 μ m film thickness, max 360

Buprenorphine HCl

MeOH (Fisher lot# 223204 Bottle #3/4 exp. u/c)

(Sigma# SLBN0684V)

Made by SR 11/14/23 exp. 11/14/24

P-MOX Retention Time Mix

CHCl₃ (ACROS lot# B0542909B Bottle #2/4 exp. u/c)

w/ DI H₂O + base cap NH₄OH (BDH lot# 201442806 exp. u/c)

Phentermine (Sigma# 074K1059)

Methamphetamine (Sigma# 071K1580)

Xylazine (Cayman# 0471462-19)

Heroin (Cayman# 0559235-10)

Para-Fluorofentanyl (Cayman# 0541563-58)

Fentanyl (Cayman# 0549959-44)

4-ANPP (Cayman# 0540831-18)

Made by JS 7/1/24 exp. 4/1/25

STD Mix Retention Time Mix

CHCl₃ (ACROS Fisher lot# B0542909B bottle 2/4 exp. u/c)

w/ DI H₂O + base cap NH₄OH (BDH lot# 2014061276 exp. u/c)

Pethidine (S.B. Penick# 413NMN-027)

Cocaine (Sigma# 59H0640)

Hydrocodone (Cayman Chem# 0616125-6 1/2)

Hydrocodone (Cayman Chem# 0616125-6 2/2)

Made by HP/MM/AW 1/12/24 exp. 1/12/25

GCIR Standard Mix Retention Time Mix

CHCl₃ (ACROS lot# B0542909B Bottle 3/4 exp. u/c)

W/ DI H₂O cap + NH₄OH (BDH lot# 2014061276 exp. u/c)

Amphetamine (Sigma# 79H0603)

Methamphetamine (Sigma# 50H02161)

Phentermine HCl (Sigma# 074K1059)

Made by CNS 6/18/24 exp. 6/18/25

Testosterone Propionate

MeOH (Fisher lot# 223204 exp. u/c)

(Sigma# 034K0695)

Made by CES 5/24/23 exp. 4/3/25

Reverified by LMM 4/3/24

Delta 9 THC

MeOH (from ampule)

Cayman 0651179

Made by LMM 9/26/23 quick check exp. 6/21/25

Delta 8 THC

MeOH (from ampule)

(Cayman# 653352)

Made by CNS/AM 6/14/23 quick check exp. 7/14/25

Sildenafil

MeOH (Fisher lot# 217364 Bottle 4/4)

(Cayman# 0464768-1)

Made by CNS/AM 6/14/23 exp. 4/3/25

Reverified by LMM 4/3/24

GHB Standard

MeOH (Fisher lot# 217364 Bottle 4/4)

(Sigma# 089H3410)

Made by CNS/AM 6/14/23 exp. 4/4/25

Reverified by LMM 4/4/24

**GC and GC/MS
methods**

Gas Chromatography /Mass Spectrometry methods

Auto-sample Injection	
BUPMS	240-280°C for 11.5 minutes
CFMS*	150°C for 4 minutes
DRUG1	80-280°C for 14.667 minutes
LOWCON	80-280°C for 14.667 minutes
GHB	80-280°C for 14.667 minutes (solvent delay off)
OPIATE	200-280°C for 6.6667 minutes
STEROID	70-280°C for 20 minutes
THCCFMS*	240-280°C for 4.6667 minutes
THCMS	200-240°C for 8 minutes
XLDRUGS	70-299°C for 28.058 minutes

*CFMS and THCCFMS are for column flush only, not for casework. No standards were run on these methods.

BUPMS	BUPRENORPHINE STD	buprenorphine	6.559
	STD MIX	hydrocodone	1.400
DRUG1	BUPRENORPHINE STD	buprenorphine	14.015
	GCIR STD MIX	amphetamine	2.879
		phentermine	3.115
		methamphetamine	3.252
	P-MOX	phentermine	3.107
		methamphetamine	3.244
		xylazine	6.549
		4-ANPP	8.065
		heroin	8.564
		para-fluorofentanyl	8.753
		fentanyl	8.877
	STD MIX	pethidine	5.841
		cocaine	7.331
		hydrocodone	8.038
	STD MIX (DILUTED)	pethidine	5.833
		cocaine	7.319
		hydrocodone	8.023
LOWCON	STD MIX (DILUTED)	pethidine	6.342
		cocaine	7.832
		hydrocodone	8.540
GHB	GHB STD	GHB	1.066
OPIATE	STD MIX	cocaine	2.661
		hydrocodone	3.381
STERIOD	BUPRENORPHINE STD	buprenorphine	13.871
	P-MOX	phentermine	3.062
		methamphetamine	3.184
		xylazine	6.384
		4-ANPP	7.901
		heroin	8.401
		fluorofentanyl	8.590
		fentanyl	8.714
	TESTOSTERONE PROPIONATE STD	testosterone propionate	9.268
THCMS	DELTA 8-THC STD	delta 8-THC	7.080
	DELTA 9-THC STD	delta 9-THC	7.297
XLDRUGS	P-MOX STD	phentermine	3.011
		methamphetamine	3.203
		xylazine	10.302
		4-ANPP	11.700
		heroin	12.067
		fluorofentanyl	12.179
		fentanyl	12.255
	SILDENAFIL STD	sildenafil	19.595

METHOD CONTROL PARAMETERS

Method Information for: C:\MassHunter\GCMS\1\methods\BUPMS.M

Method Sections To Run:

- () Save Copy of Method With Data
- () Instrument Control Pre-Run Cmd/Macro =
- () Data Analysis Pre-Run Cmd/Macro =
- (X) Data Acquisition
- (X) Data Analysis
- () Instrument Control Post-Run Cmd/Macro =
- () Data Analysis Post-Run Cmd/Macro =

Method Comments:

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	C:\MassHunter\GCMS\1\methods\BUPMS.M
Tune file	ATUNE.U
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
Acquisition Type	Scan
Stop time (min)	10.00
Solvent delay (min)	1.00
Trace Ion Detection	False
Gain Factor	1
EM Saver	False
EM Saver Limit	N/A

Scan Time Segments

Time	Start Mass	End Mass	Threshold	Scan Speed
1.00	40	500	150	1,562 [N=2]

Timed Events

Time	Type of Event	Parameter
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Real-Time Plots

Type of Plot	Label	Low Mass	High Mass
Total Ion	N/A	N/A	N/A
Spectrum	N/A	N/A	N/A
Extracted Ion	Scan 1-1	50	550

Self-Cleaning Ion Source Parameters

Mode	No Cleaning
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C:\MassHunter\GCMS\1\methods\BUPMS.M
Mon Aug 05 15:20:06 2024

Control Information

Sample Inlet : GC
Injection Source : GC ALS
Injection Location: Front
Mass Spectrometer : Enabled

No Sample Prep method has been assigned to this method.

GC
GC Summary
Run Time 11.5 min
Post Run Time 0 min

Oven
Temperature
Setpoint On
(Initial) 240 °C
Hold Time 0 min
Post Run 50 °C
Program
#1 Rate 40 °C/min
#1 Value 280 °C
#1 Hold Time 10.5 min

Equilibration Time 0.5 min
Temperature 325 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 1
Solvent A Washes (PostInj) 1
Solvent A Volume 8 µL
Solvent B Washes (PreInj) 1
Solvent B Washes (PostInj) 1
Solvent B Volume 8 µL
Sample Washes 0
Sample Wash Volume 8 µL
Sample Pumps 2
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 300 µL/min
Solvent Wash Dispense Speed 3000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 3000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.2 µL

Solvent Wash Mode	A, B
Back Injector	
Syringe Size	10 µL
Injection Volume	1 µL
Solvent A Washes (PreInj)	0
Solvent A Washes (PostInj)	0
Solvent A Volume	8 µL
Solvent B Washes (PreInj)	0
Solvent B Washes (PostInj)	0
Solvent B Volume	8 µL
Sample Washes	0
Sample Wash Volume	8 µL
Sample Pumps	6
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	3000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	3000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Solvent Wash Mode	A, B
Sample Overlap Mode	Sample overlap is not enabled
ALS Errors	Pause for user interaction
Front SS Inlet Heater	
Mode	Split
Heater	On 250 °C
Pressure	On 21.074 psi
Total Flow	On 40.2 mL/min
Septum Purge Flow	On 3 mL/min
Gas Saver	Off
Split Ratio	30 :1
Split Flow	36 mL/min
Liner	A Liner has not been selected.
Back SS Inlet Heater	
Excluded from Readiness Mode	***Excluded from Affecting GC's Readiness State***
Heater	Split
Pressure	Off
Total Flow	Off
Septum Purge Flow	On 3 mL/min
Gas Saver	Off
Split Ratio	100 :1
Split Flow	191.41 mL/min
Liner	A Liner has not been selected.
Thermal Aux 2 (MSD Transfer Line)	
Temperature	
Setpoint	On
(Initial)	280 °C
Column	
Column #1	
Flow	

Setpoint	On
(Initial)	1.2 mL/min
Post Run	1.2439 mL/min
Column Information	Agilent 128-0112
DB-1MS	
Temperature Range	-60 °C-340 °C (360 °C)
Dimensions	12 m x 200 µm x 0.33 µm
In	Front SS Inlet He
Out	MSD
(Initial)	240 °C
Pressure	21.074 psi
Flow	1.2 mL/min
Average Velocity	67.972 cm/sec
Holdup Time	0.29424 min
Control Mode	Constant Flow
Column #2	
Pressure	
Setpoint	Off
(Initial)	10 psi
Post Run	10 psi
Column Information	J&W 19091Z-211
HP-1	
Temperature Range	-60 °C-325 °C (325 °C)
Dimensions	15 m x 320 µm x 1 µm
In	Back SS Inlet He
Out	Front Detector FID
(Initial)	240 °C
Pressure	10 psi
Flow	1.9141 mL/min
Average Velocity	50.498 cm/sec
Holdup Time	0.49507 min
Control Mode	Constant Pressure
Column Outlet Pressure	0 psi
Front Detector FID	
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Makeup	He
Heater	Off
H2 Flow	Off
Air Flow	Off
Makeup Flow	Off
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	Off
Signals	
Signal #1: Test Plot	
Description	Test Plot
Save	Off
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #2:	
Description	None
Signal #3:	
Description	None
Signal #4:	
Description	None

TUNE PARAMETERS for SN: US10423610

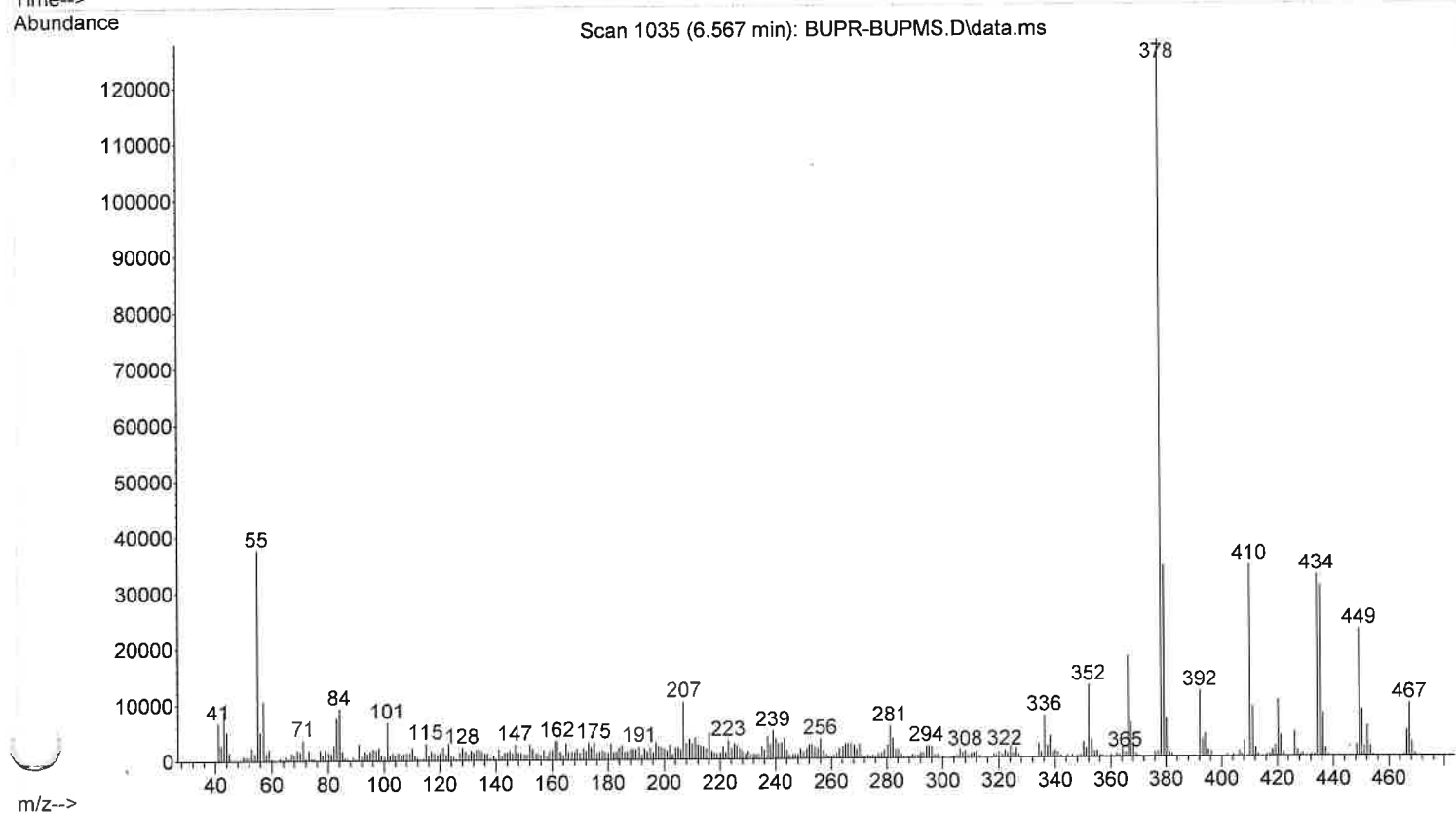
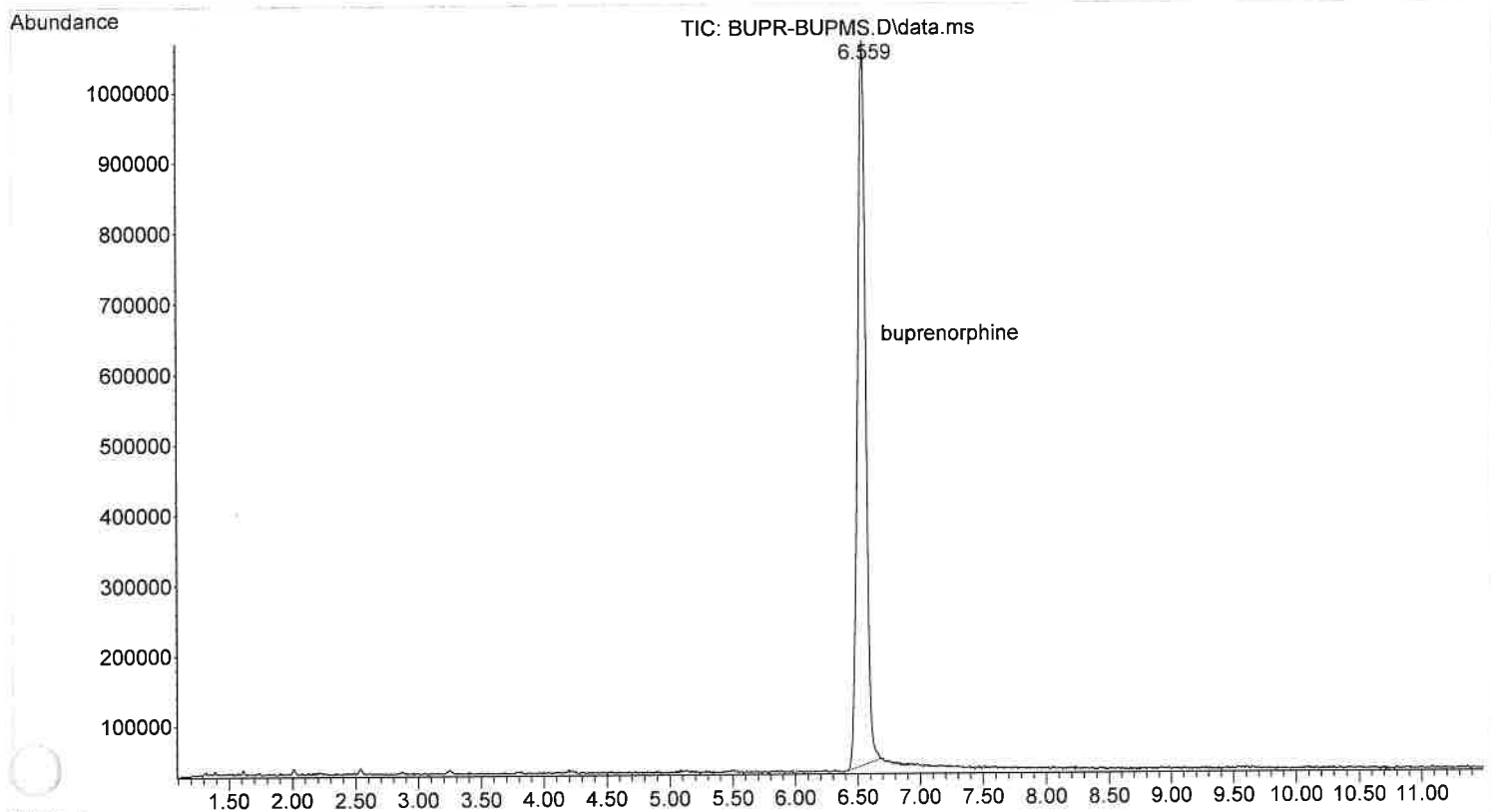
Trace Ion Detection is OFF.

34.610	:	EMISSION	
70.347	:	ENERGY	
30.924	:	REPELLER	
89.208	:	IONFOCUS	
22.000	:	ENTRANCE_LENS	
1235.294	:	EMVOLTS	
		1235.294	: Actual EMV
		0.30	: GAIN FACTOR
2138.000	:	AMUGAIN	
121.625	:	AMUOFFSET	
2.000	:	FILAMENT	
0.000	:	DCPOLARITY	
19.075	:	ENTLENSOFFSET	
-586.000	:	MASSGAIN	
-38.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

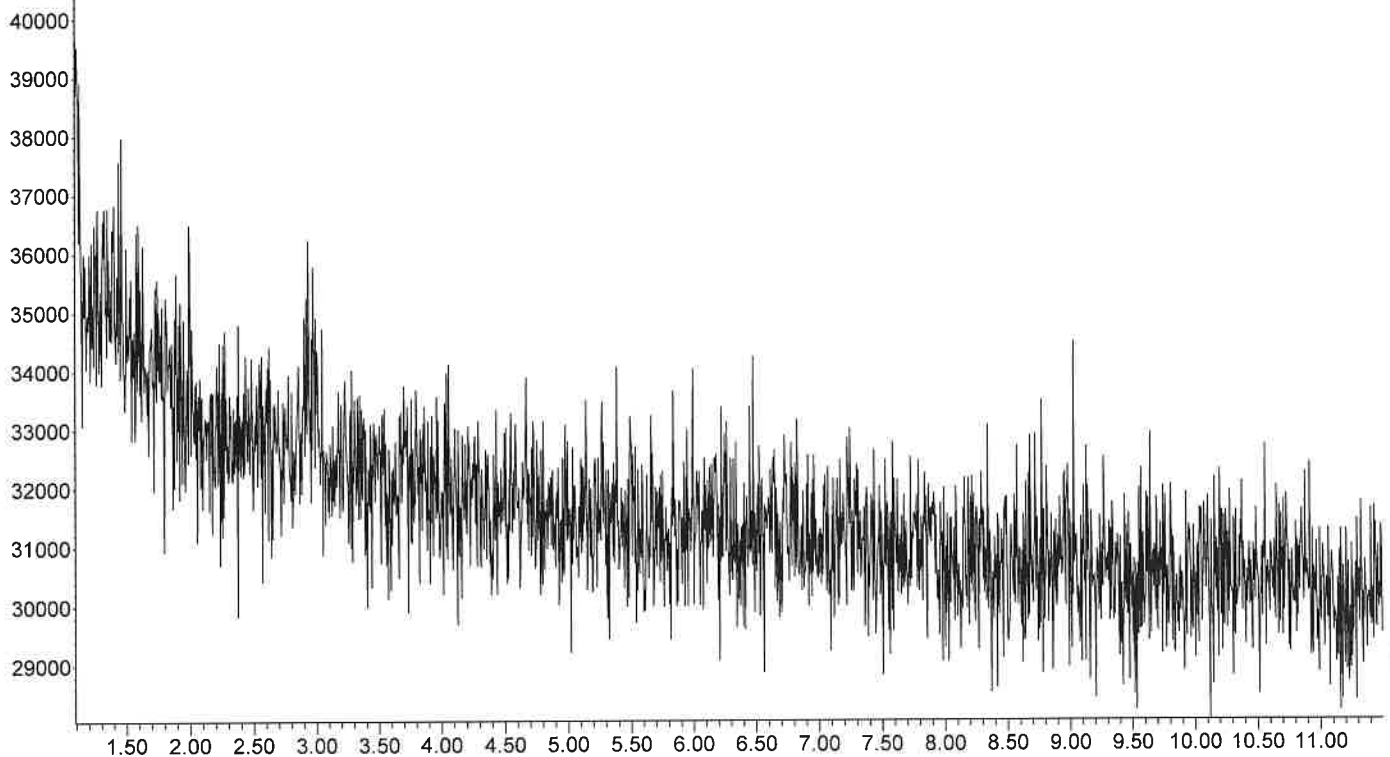
File :C:\MassHunter\GCMS\1\data\August 2024\BUPR-BUPMS.D
Operator :
Acquired : 01 Aug 2024 16:51 using AcqMethod BUPMS.M
Instrument : Wall-E
Sample Name: buprenorphine std
Misc Info : CHC13
Via. Number: 56



File :C:\MassHunter\GCMS\1\data\August 2024\BUPR-BUPMS-b.D
Operator :
Acquired : 01 Aug 2024 16:37 using AcqMethod BUPMS.M
Instrument : Wall-E
Sample Name: buprenorphine std blank
Misc Info : CHC13
Via Number: 52

Abundance

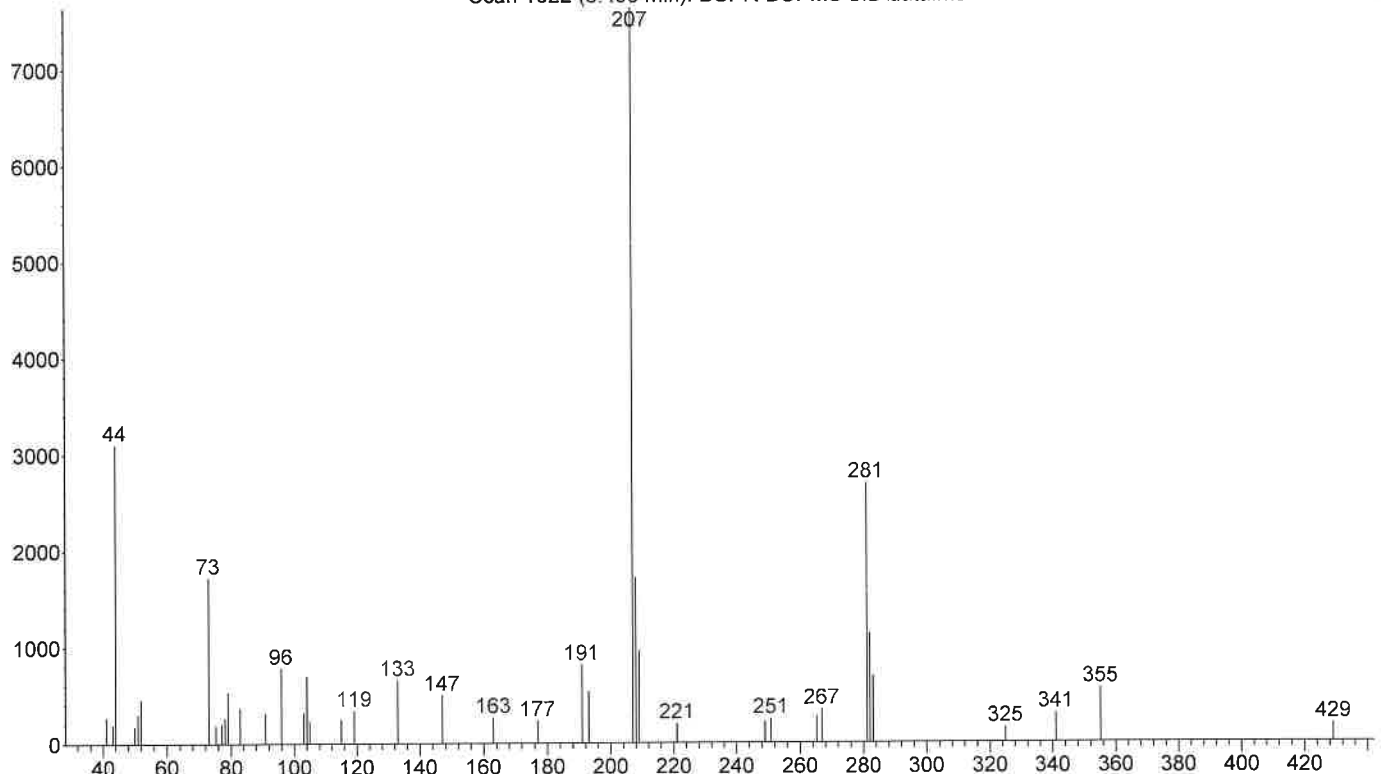
TIC: BUPR-BUPMS-b.D\data.ms



Time-->

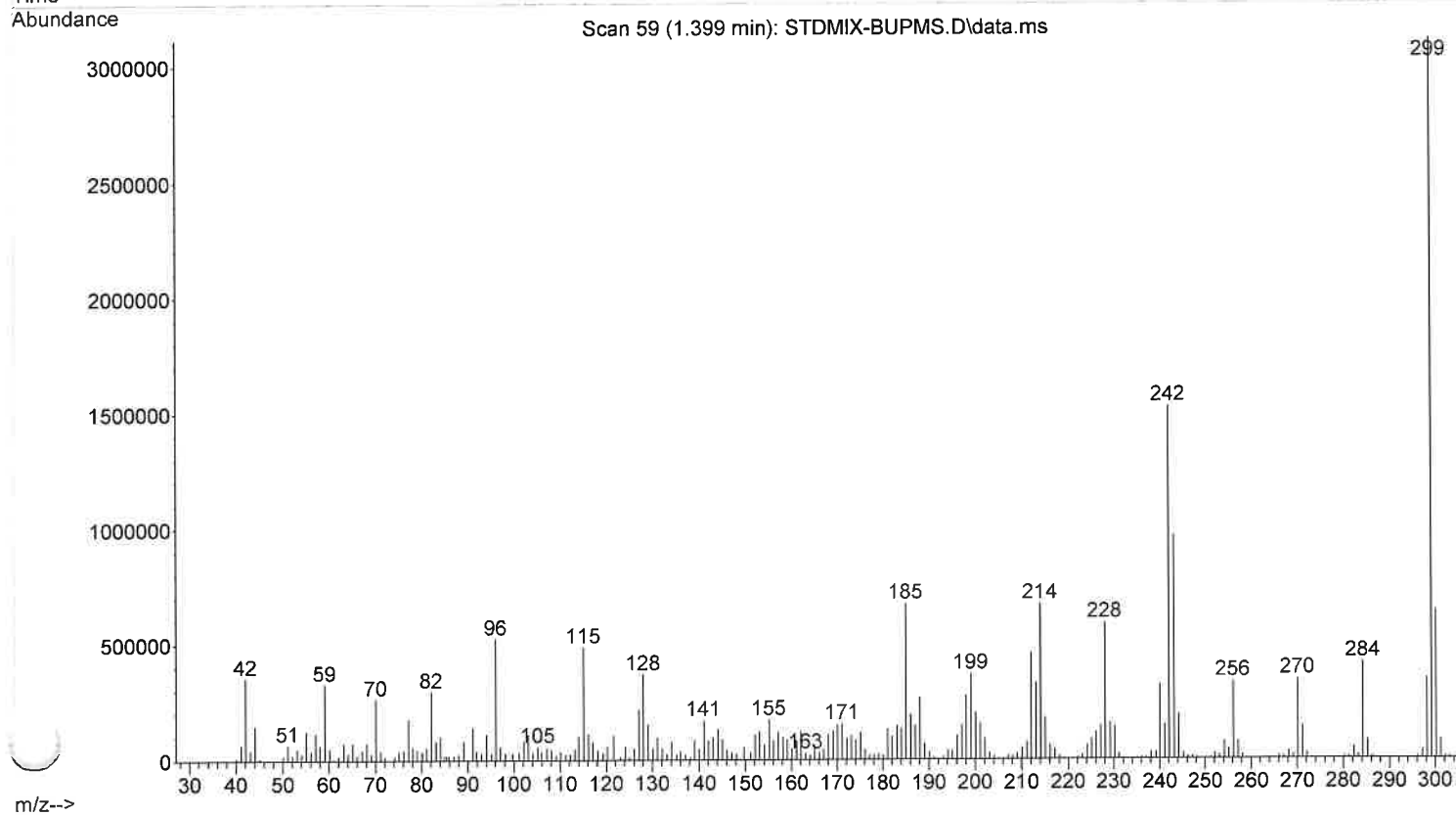
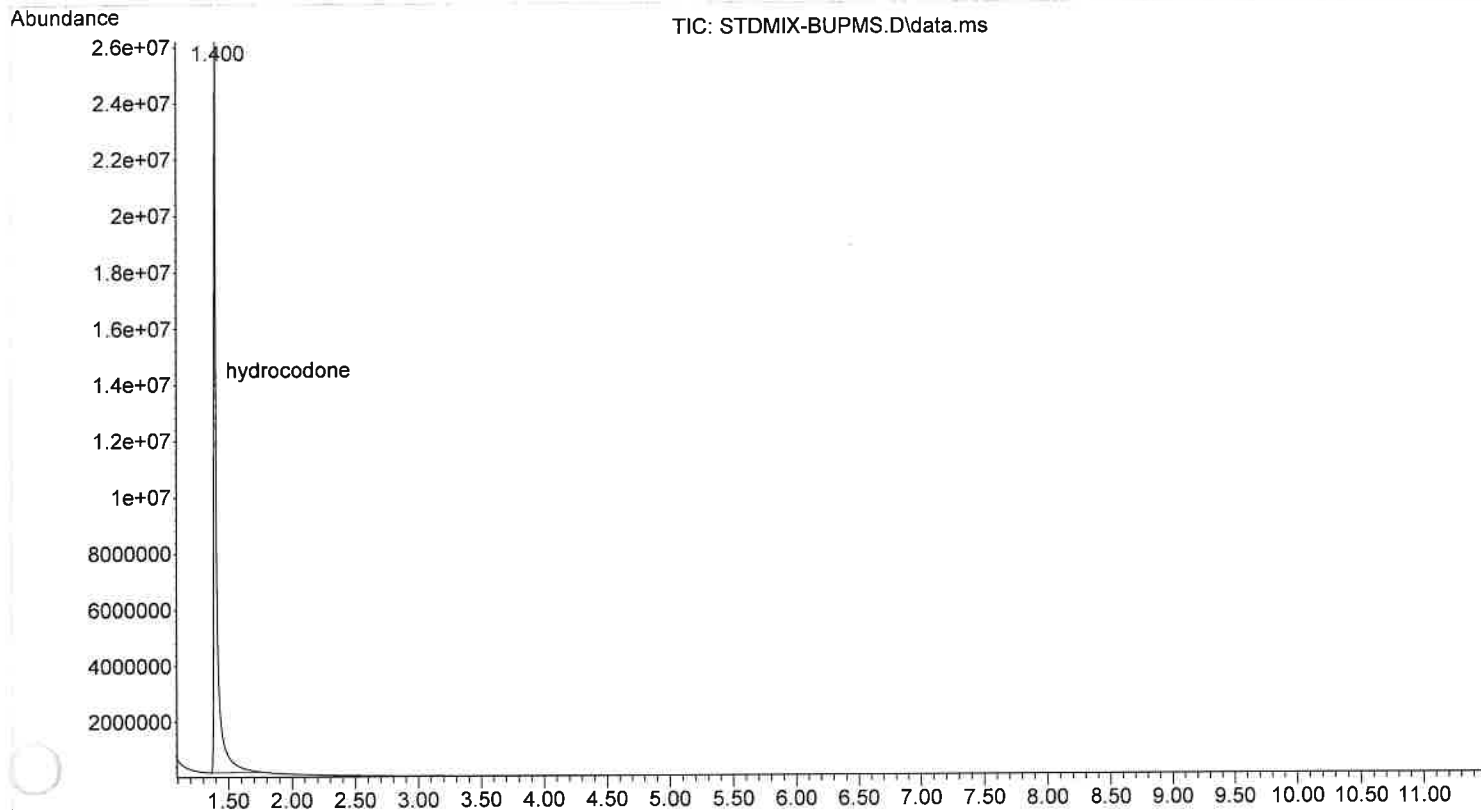
Abundance

Scan 1022 (6.499 min): BUPR-BUPMS-b.D\data.ms

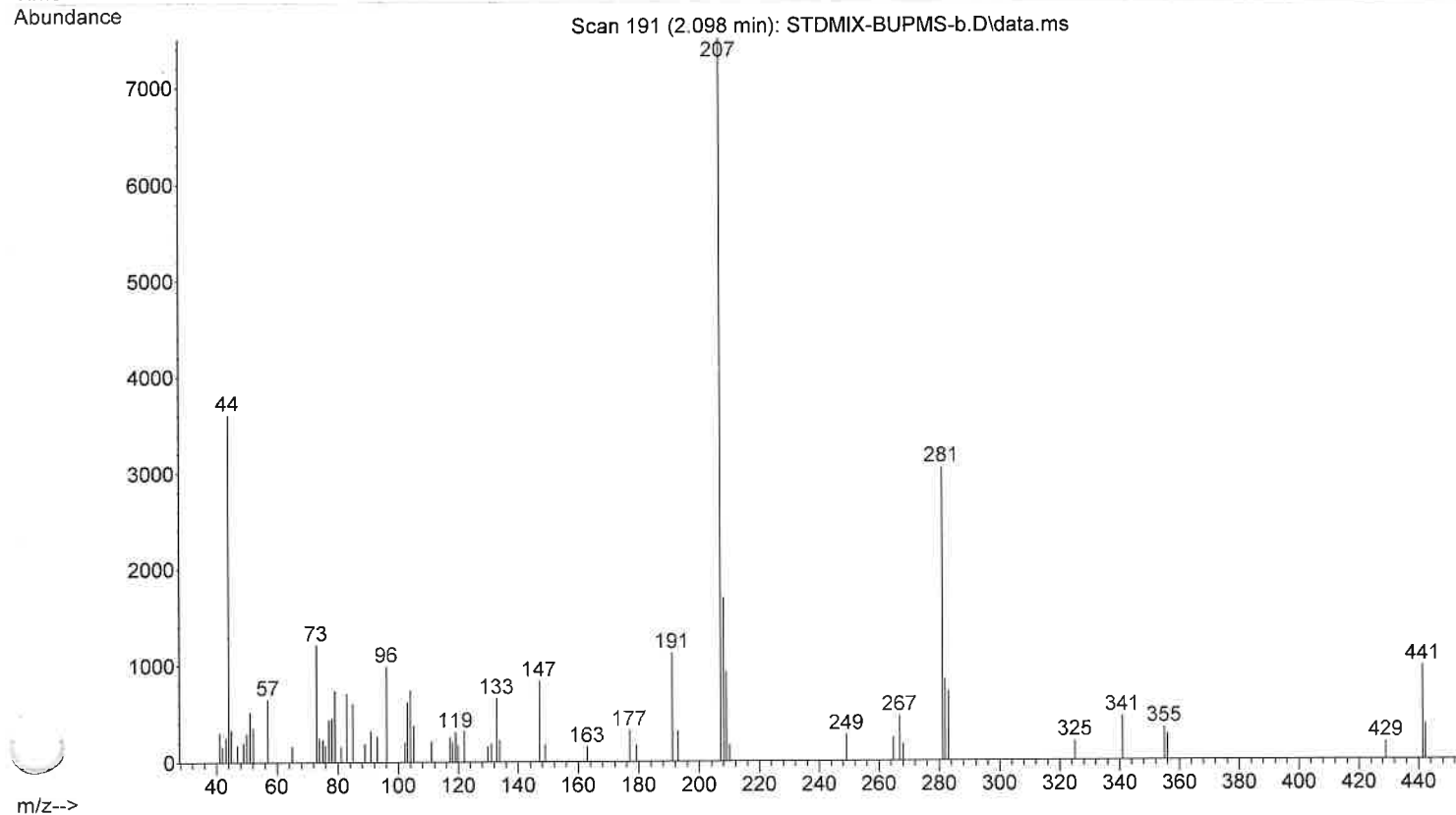
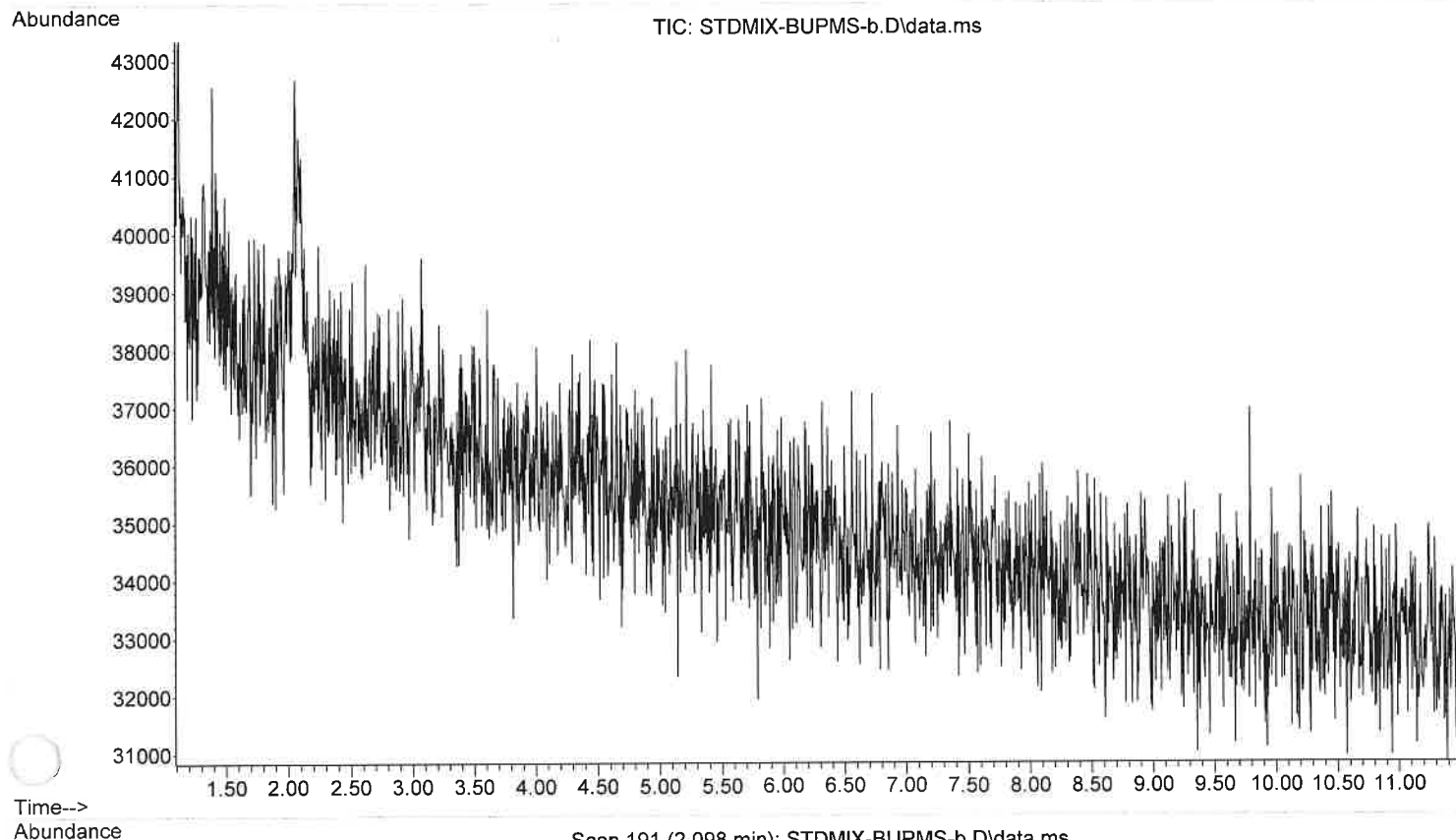


m/z-->

File :C:\MassHunter\GCMS\1\data\August 2024\STDMIX-BUPMS.D
Operator :
Acquired : 01 Aug 2024 15:01 using AcqMethod BUPMS.M
Instrument : Wall-E
Sample Name: std mix
Misc Info : CHCl3
Vial Number: 54



File :C:\MassHunter\GCMS\1\data\August 2024\STDMIX-BUPMS-b.D
Operator :
Acquired : 01 Aug 2024 14:47 using AcqMethod BUPMS.M
Instrument : Wall-E
Sample Name: std mix blank
Misc Info : CHCl3
Vial Number: 52



METHOD CONTROL PARAMETERS

Method Information for: C:\MassHunter\GCMS\1\methods\CFMS.M

Method Sections To Run:

- () Save Copy of Method With Data
- () Instrument Control Pre-Run Cmd/Macro =
- () Data Analysis Pre-Run Cmd/Macro =
- (X) Data Acquisition
- (X) Data Analysis
- () Instrument Control Post-Run Cmd/Macro =
- () Data Analysis Post-Run Cmd/Macro =

Method Comments:

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	C:\MassHunter\GCMS\1\methods\CFMS.M
Tune file	ATUNE.U
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
Acquisition Type	Scan
Stop time (min)	10.00
Solvent delay (min)	2.50
Trace Ion Detection	False
Gain Factor	1
EM Saver	False
EM Saver Limit	N/A

Scan Time Segments

Time	Start Mass	End Mass	Threshold	Scan Speed
2.50	40	425	150	1,562 [N=2]

Timed Events

Time	Type of Event	Parameter
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Real-Time Plots

Type of Plot	Label	Low Mass	High Mass
Total Ion	N/A	N/A	N/A
Spectrum	N/A	N/A	N/A
Extracted Ion	Scan 1-1	50	550

Self-Cleaning Ion Source Parameters

Mode	No Cleaning
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C:\MassHunter\GCMS\1\methods\CFMS.M
Mon Aug 05 15:21:02 2024

Control Information

Sample Inlet : GC
Injection Source : GC ALS
Injection Location: Front
Mass Spectrometer : Enabled

No Sample Prep method has been assigned to this method.

GC
GC Summary
Run Time 4 min
Post Run Time 0 min

Oven
Temperature
Setpoint On
(Initial) 150 °C
Hold Time 4 min
Post Run 50 °C

Equilibration Time 0.5 min
Max Temperature 325 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 1
Solvent A Washes (PostInj) 1
Solvent A Volume 8 µL
Solvent B Washes (PreInj) 1
Solvent B Washes (PostInj) 1
Solvent B Volume 8 µL
Sample Washes 1
Sample Wash Volume 8 µL
Sample Pumps 1
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 300 µL/min
Solvent Wash Dispense Speed 3000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 3000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.2 µL
Solvent Wash Mode A, B

Back Injector
Syringe Size 10 µL
Injection Volume 1 µL

Solvent A Washes (PreInj)	0
Solvent A Washes (PostInj)	0
Solvent A Volume	8 µL
Solvent B Washes (PreInj)	0
Solvent B Washes (PostInj)	0
Solvent B Volume	8 µL
Sample Washes	0
Sample Wash Volume	8 µL
Sample Pumps	6
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	3000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	3000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Solvent Wash Mode	A, B
Sample Overlap Mode	Sample overlap is not enabled
ALS Errors	Pause for user interaction
Front SS Inlet He Mode	Split
Heater	On 250 °C
Pressure	On 16 psi
Total Flow	On 56.203 mL/min
Septum Purge Flow	Off
Gas Saver	Off
Split Ratio	45 :1
Split Flow	54.981 mL/min
	A Liner has not been selected.
Back SS Inlet He Mode	***Excluded from Affecting GC's Readiness State***
Heater	Split
Pressure	Off
Total Flow	Off
Septum Purge Flow	Off
Gas Saver	On 3 mL/min
Split Ratio	Off
Split Flow	100 :1
Liner	264.65 mL/min
	A Liner has not been selected.
Thermal Aux 2 (MSD Transfer Line) Temperature Setpoint (Initial)	On 280 °C
Column	
Column #1	
Flow	
Setpoint (Initial)	On 1.2218 mL/min
Post Run	1.2439 mL/min
Column Information	Agilent 128-0112

DB-1MS	
Temperature Range	-60 °C-340 °C (360 °C)
Dimensions	12 m x 200 µm x 0.33 µm
In	Front SS Inlet He
Out	MSD
(Initial)	150 °C
Pressure	16 psi
Flow	1.2218 mL/min
Average Velocity	66.503 cm/sec
Holdup Time	0.30074 min
Control Mode	Constant Flow
Column #2	
Pressure	
Setpoint	Off
(Initial)	10 psi
Post Run	10 psi
Column Information	J&W 19091Z-211
HP-1	
Temperature Range	-60 °C-325 °C (325 °C)
Dimensions	15 m x 320 µm x 1 µm
In	Back SS Inlet He
Out	Front Detector FID
(Initial)	150 °C
Pressure	10 psi
Flow	2.6465 mL/min
Average Velocity	57.573 cm/sec
Holdup Time	0.43423 min
Control Mode	Constant Pressure
Column Outlet Pressure	0 psi
Front Detector FID	
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Makeup	He
Ter	Off
H ₂ Flow	Off
Air Flow	Off
Makeup Flow	Off
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	Off
Signals	
Signal #1: Test Plot	
Description	Test Plot
Save	Off
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #2:	
Description	None
Signal #3:	
Description	None
Signal #4:	
Description	None

TUNE PARAMETERS for SN: US10423610

Trace Ion Detection is OFF.

34.610 : EMISSION
70.347 : ENERGY
30.924 : REPELLER
89.208 : IONFOCUS
22.000 : ENTRANCE_LENS
1235.294 : EMVOLTS
1235.294 : Actual EMV
0.30 : GAIN FACTOR
2138.000 : AMUGAIN
121.625 : AMUOFFSET
2.000 : FILAMENT
0.000 : DCPOLARITY
19.075 : ENTLENSOFFSET
-586.000 : MASSGAIN
-38.000 : MASSOFFSET

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

METHOD CONTROL PARAMETERS

Method Information for: C:\MassHunter\GCMS\1\methods\DRUG1.M

Method Sections To Run:

- () Save Copy of Method With Data
- () Instrument Control Pre-Run Cmd/Macro =
- () Data Analysis Pre-Run Cmd/Macro =
- (X) Data Acquisition
- (X) Data Analysis
- () Instrument Control Post-Run Cmd/Macro =
- () Data Analysis Post-Run Cmd/Macro =

Method Comments:

DRUG1 - primary method

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	C:\MassHunter\GCMS\1\methods\DRUG1.M
Tune file	ATUNE.U
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
Acquisition Type	Scan
Stop time (min)	10.00
Solvent delay (min)	2.50
Trace Ion Detection	False
Gain Factor	1
EM Saver	False
EM Saver Limit	N/A

Scan Time Segments

Time	Start Mass	End Mass	Threshold	Scan Speed
2.50	40	500	100	1,562 [N=2]

Timed Events

Time	Type of Event	Parameter
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Real-Time Plots

Type of Plot	Label	Low Mass	High Mass
Total Ion	N/A	N/A	N/A
Spectrum	N/A	N/A	N/A
Extracted Ion	Scan 1-1	50	550

Self-Cleaning Ion Source Parameters

Mode	No Cleaning
------	-------------

C:\MassHunter\GCMS\1\methods\DRUG1.M
Mon Aug 05 15:21:31 2024

Control Information

Sample Inlet : GC
Injection Source : GC ALS
Injection Location: Front
Mass Spectrometer : Enabled

No Sample Prep method has been assigned to this method.

GC
GC Summary
Run Time 14.667 min
Post Run Time 0 min

Oven
Temperature
Setpoint On
(Initial) 80 °C
Hold Time 1.5 min
Post Run 50 °C
Program
#1 Rate 30 °C/min
#1 Value 280 °C
#1 Hold Time 6.5 min

Equilibration Time 0.5 min
Temperature 325 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 1
Solvent A Washes (PostInj) 1
Solvent A Volume 8 µL
Solvent B Washes (PreInj) 1
Solvent B Washes (PostInj) 1
Solvent B Volume 8 µL
Sample Washes 1
Sample Wash Volume 8 µL
Sample Pumps 1
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 300 µL/min
Solvent Wash Dispense Speed 3000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 3000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.2 µL

Solvent Wash Mode

A, B

Back Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 0
Solvent A Washes (PostInj) 0
Solvent A Volume 8 µL
Solvent B Washes (PreInj) 0
Solvent B Washes (PostInj) 0
Solvent B Volume 8 µL
Sample Washes 0
Sample Wash Volume 8 µL
Sample Pumps 6
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 300 µL/min
Solvent Wash Dispense Speed 3000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 3000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.2 µL
Solvent Wash Mode A, B

Sample Overlap
Mode

Sample overlap is not enabled

ALS Errors

Pause for user interaction

Front SS Inlet He
Mode

Heater On 250 °C
Pressure On 9.1608 psi
Total Flow On 49 mL/min
Septum Purge Flow On 3 mL/min
Gas Saver Off
Split Ratio 45 :1
Split Flow 45 mL/min
Liner A Liner has not been selected.

Back SS Inlet He
Excluded from Readiness
Mode

Heater Off
Pressure Off
Total Flow Off
Septum Purge Flow Off
Gas Saver Off
Split Ratio 100 :1
Split Flow 358.6 mL/min
Liner A Liner has not been selected.

Thermal Aux 2 (MSD Transfer Line)
Temperature
Setpoint
(Initial)

On
280 °C

Column
Column #1
Flow

Setpoint	On
(Initial)	1 mL/min
Post Run	1.2439 mL/min
Column Information	Agilent 128-0112
DB-1MS	
Temperature Range	-60 °C-340 °C (360 °C)
Dimensions	12 m x 200 µm x 0.33 µm
In	Front SS Inlet He
Out	MSD
(Initial)	80 °C
Pressure	9.1608 psi
Flow	1 mL/min
Average Velocity	58.448 cm/sec
Holdup Time	0.34218 min
Control Mode	Constant Flow
Column #2	
Pressure	Off
Setpoint	10 psi
(Initial)	10 psi
Post Run	
Column Information	J&W 19091Z-211
HP-1	
Temperature Range	-60 °C-325 °C (325 °C)
Dimensions	15 m x 320 µm x 1 µm
In	Back SS Inlet He
Out	Front Detector FID
(Initial)	80 °C
Pressure	10 psi
Flow	3.586 mL/min
Average Velocity	65.107 cm/sec
Holdup Time	0.38399 min
Control Mode	Constant Pressure
Column Outlet Pressure	0 psi
Front Detector FID	
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Makeup	He
Heater	Off
H2 Flow	Off
Air Flow	Off
Makeup Flow	Off
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	Off
Signals	
Signal #1: Test Plot	Test Plot
Description	Off
Save	50 Hz
Data Rate	Front Sample
Dual Injection Assignment	
Signal #2:	
Description	None
Signal #3:	
Description	None
Signal #4:	
Description	None

TUNE PARAMETERS for SN: US10423610

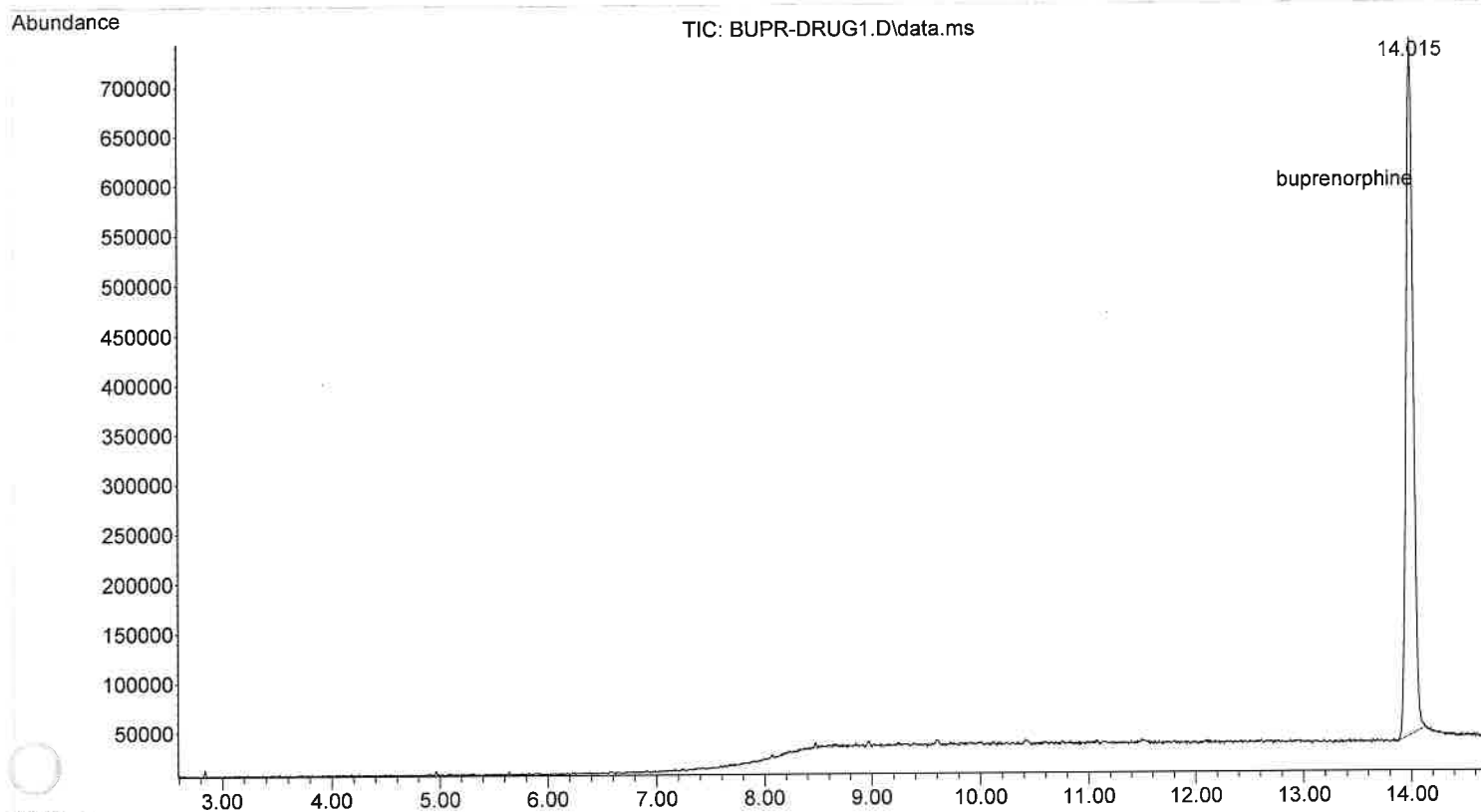
Trace Ion Detection is OFF.

34.610	:	EMISSION	
70.347	:	ENERGY	
30.924	:	REPELLER	
89.208	:	IONFOCUS	
22.000	:	ENTRANCE LENS	
1235.294	:	EMVOLTS	
		1235.294	: Actual EMV
		0.30	: GAIN FACTOR
2138.000	:	AMUGAIN	
121.625	:	AMUOFFSET	
2.000	:	FILAMENT	
0.000	:	DCPOLARITY	
19.075	:	ENTLENSOFFSET	
-586.000	:	MASSGAIN	
-38.000	:	MASSOFFSET	

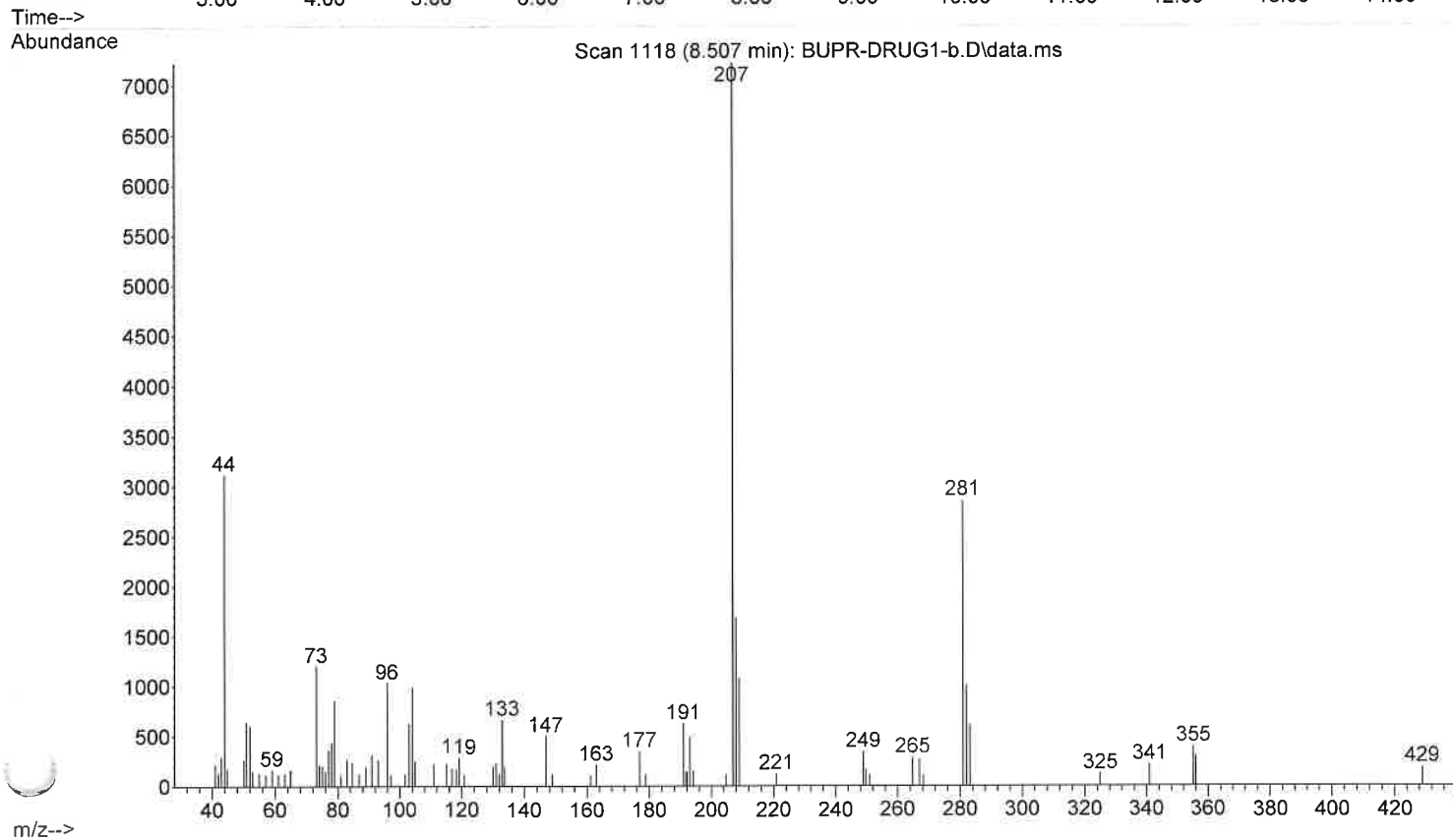
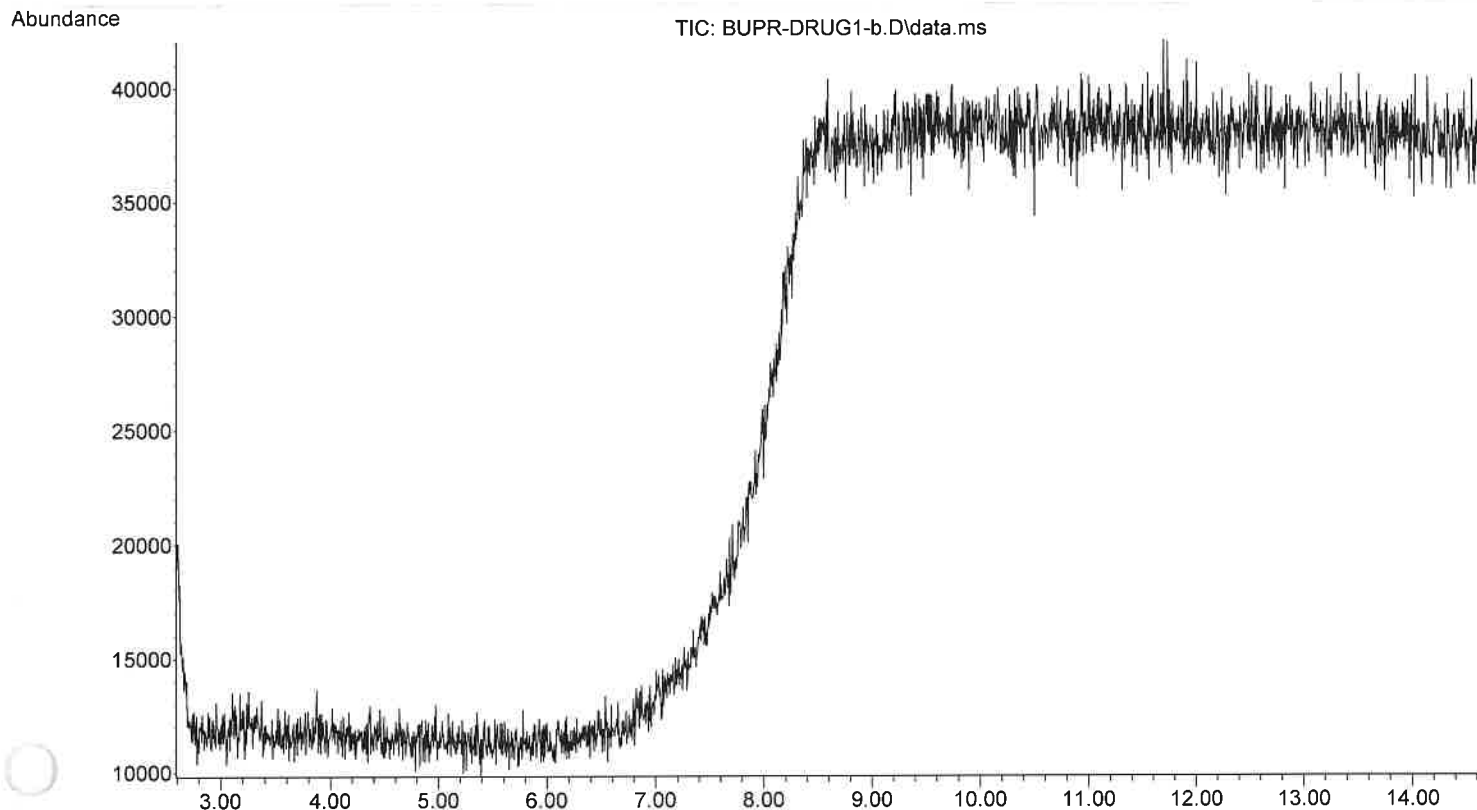
END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

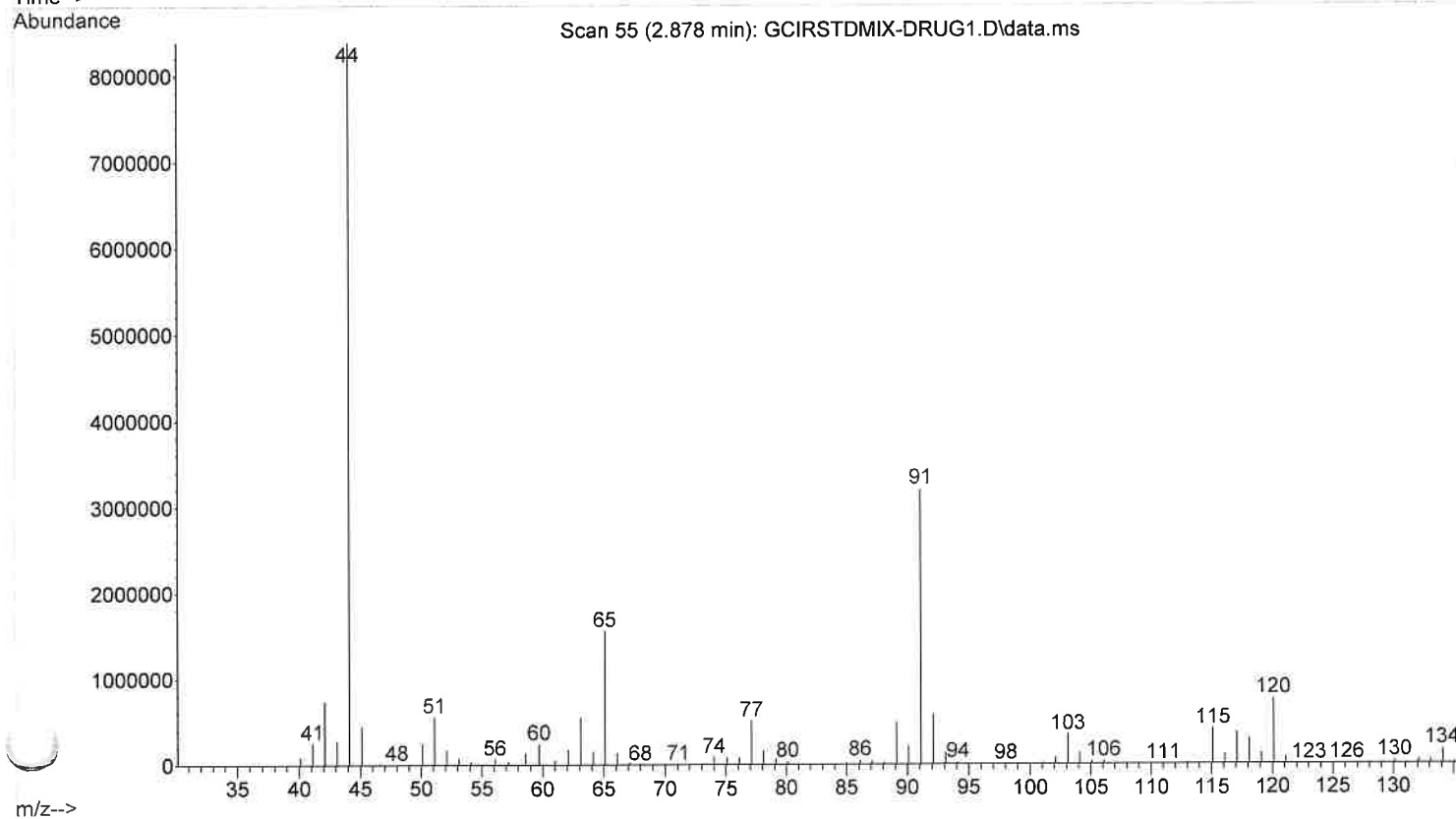
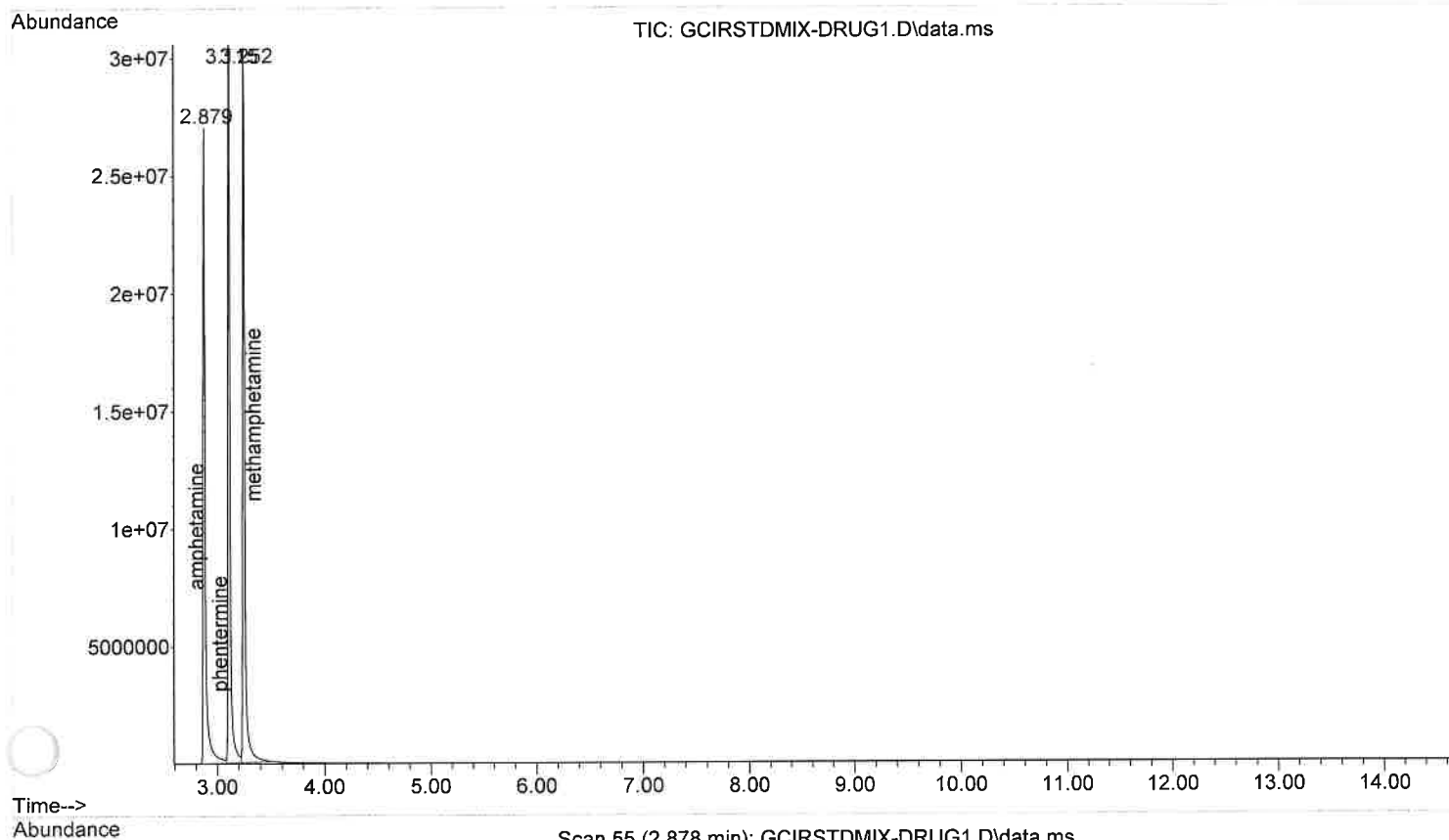
File :C:\MassHunter\GCMS\1\data\August 2024\BUPR-DRUG1.D
Operator :
Acquired : 01 Aug 2024 16:20 using AcqMethod DRUG1.M
Instrument : Wall-E
Sample Name: buprenorphine std
Misc Info : CHCl3
Vial Number: 56



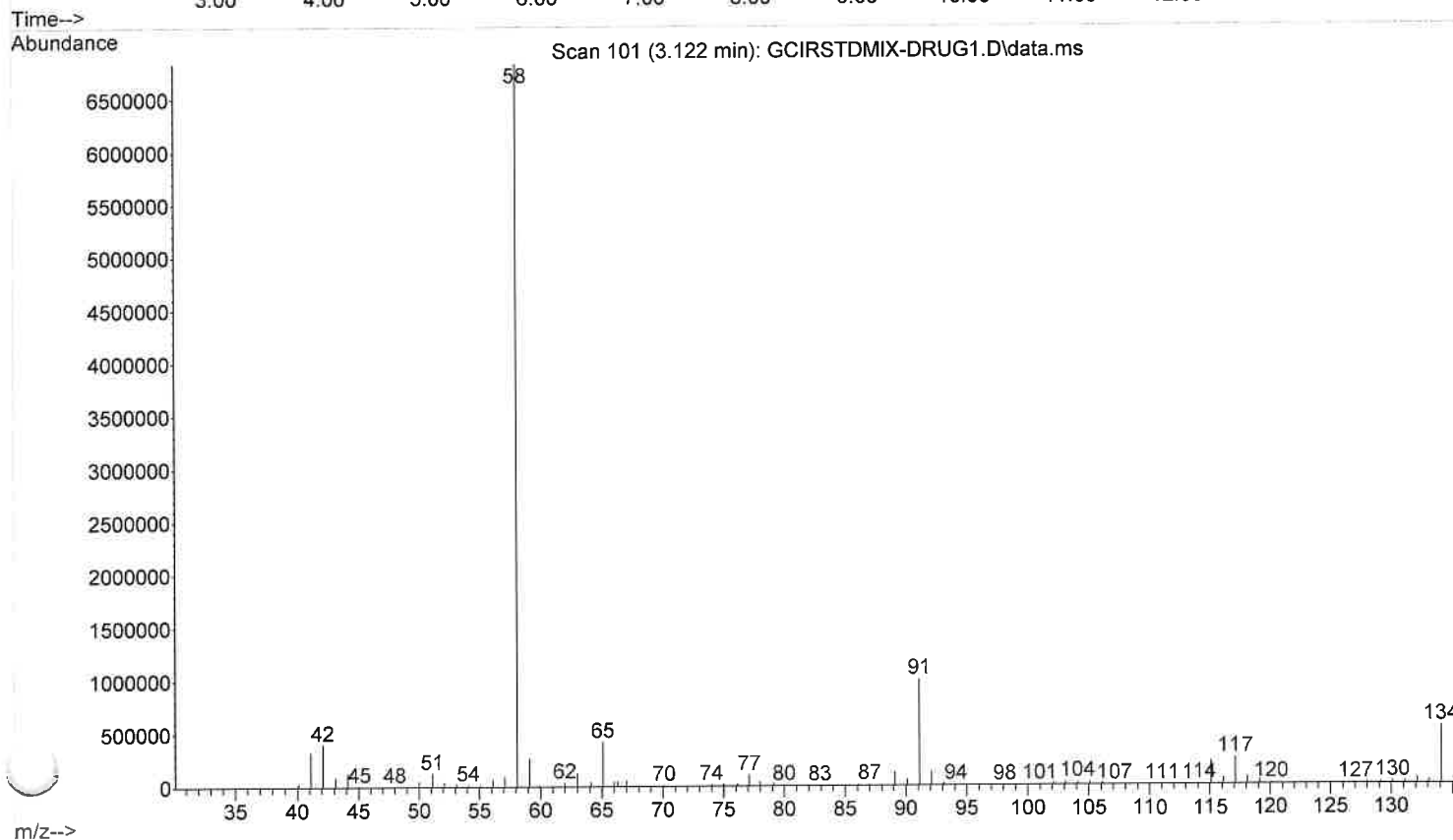
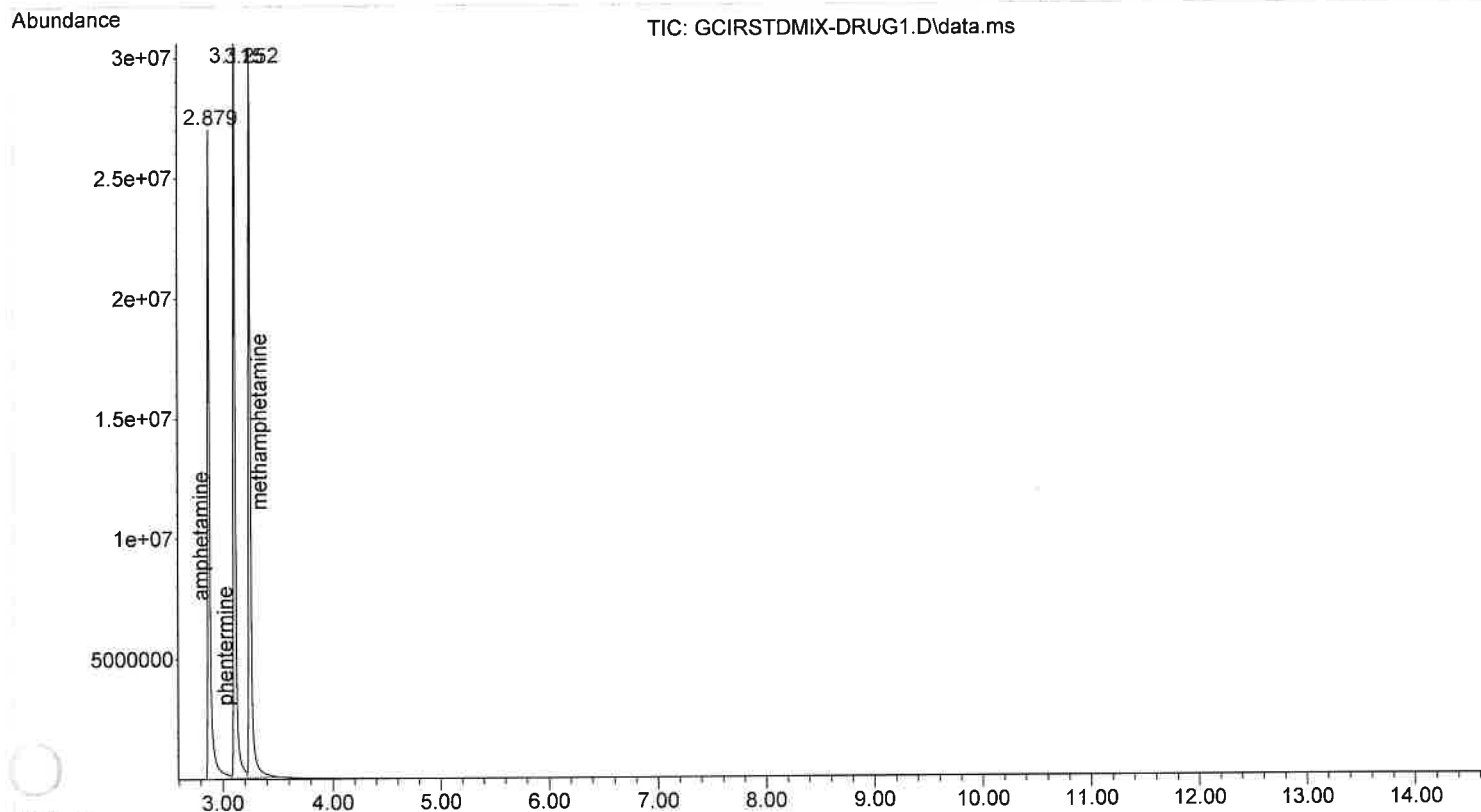
File :C:\MassHunter\GCMS\1\data\August 2024\BUPR-DRUG1-b.D
Operator :
Acquired : 01 Aug 2024 16:03 using AcqMethod DRUG1.M
Instrument : Wall-E
Sample Name: buprenorphine std blank
Misc Info : CHCl3
Vial Number: 52



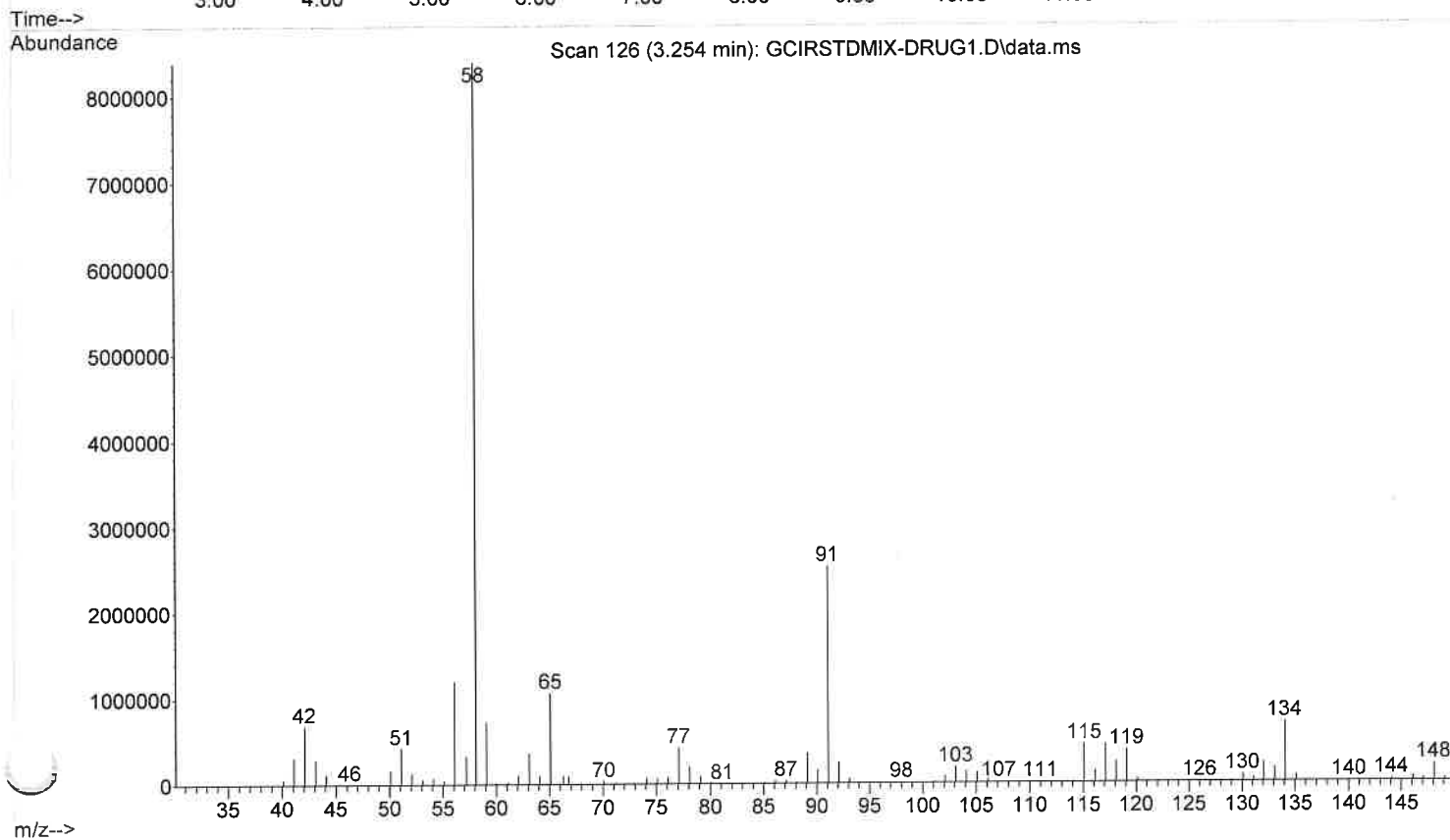
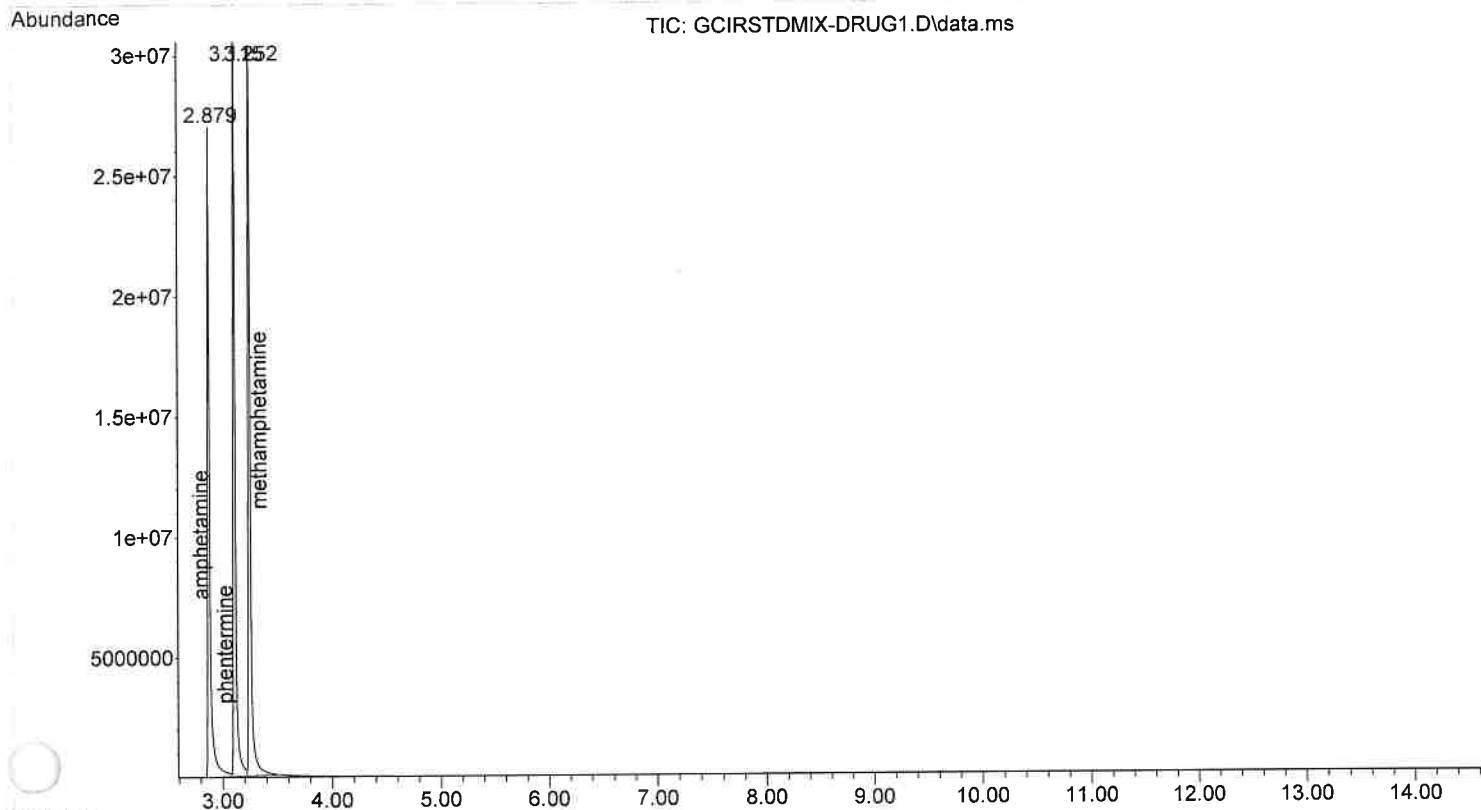
File :C:\MassHunter\GCMS\1\data\August 2024\GCIRSTDMIX-DRUG1.D
Operator :
Acquired : 01 Aug 2024 13:11 using AcqMethod DRUG1.M
Instrument : Wall-E
Sample Name: GCIR std mix
Misc Info : CHCl3
Vial Number: 55



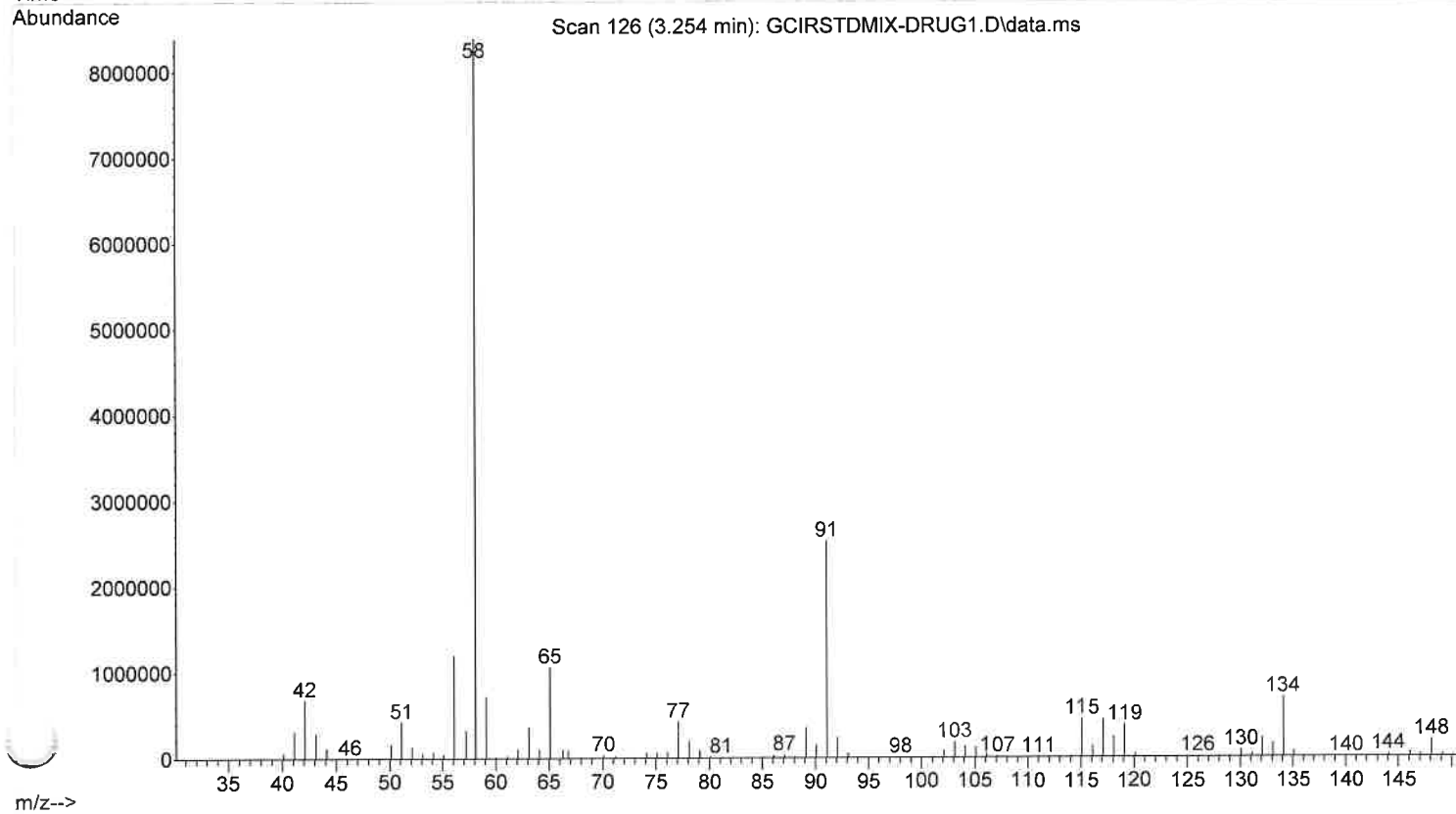
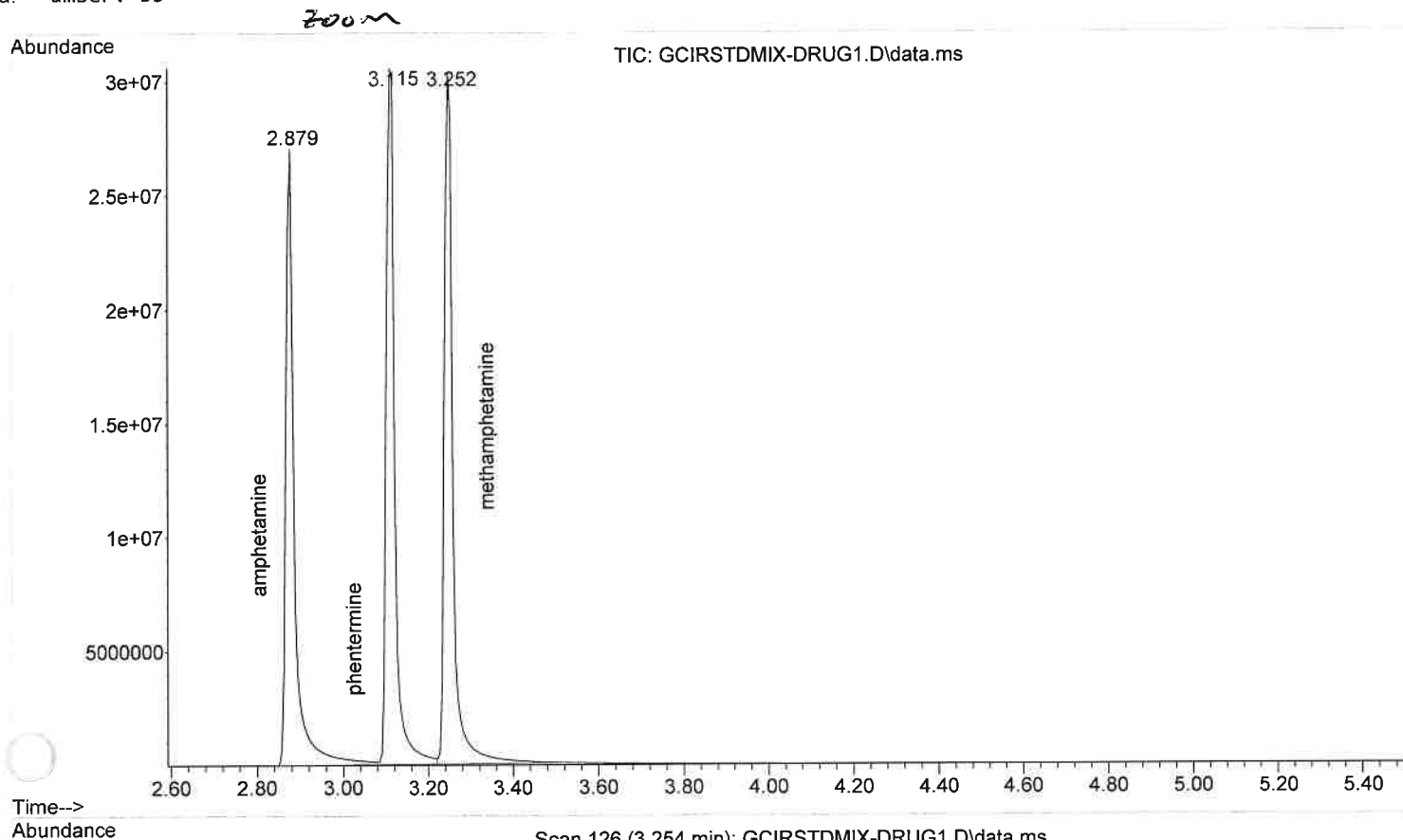
File :C:\MassHunter\GCMS\1\data\August 2024\GCIRSTDMIX-DRUG1.D
Operator :
Acquired : 01 Aug 2024 13:11 using AcqMethod DRUG1.M
Instrument : Wall-E
Sample Name: GCIR std mix
Misc Info : CHCl3
Vial Number: 55



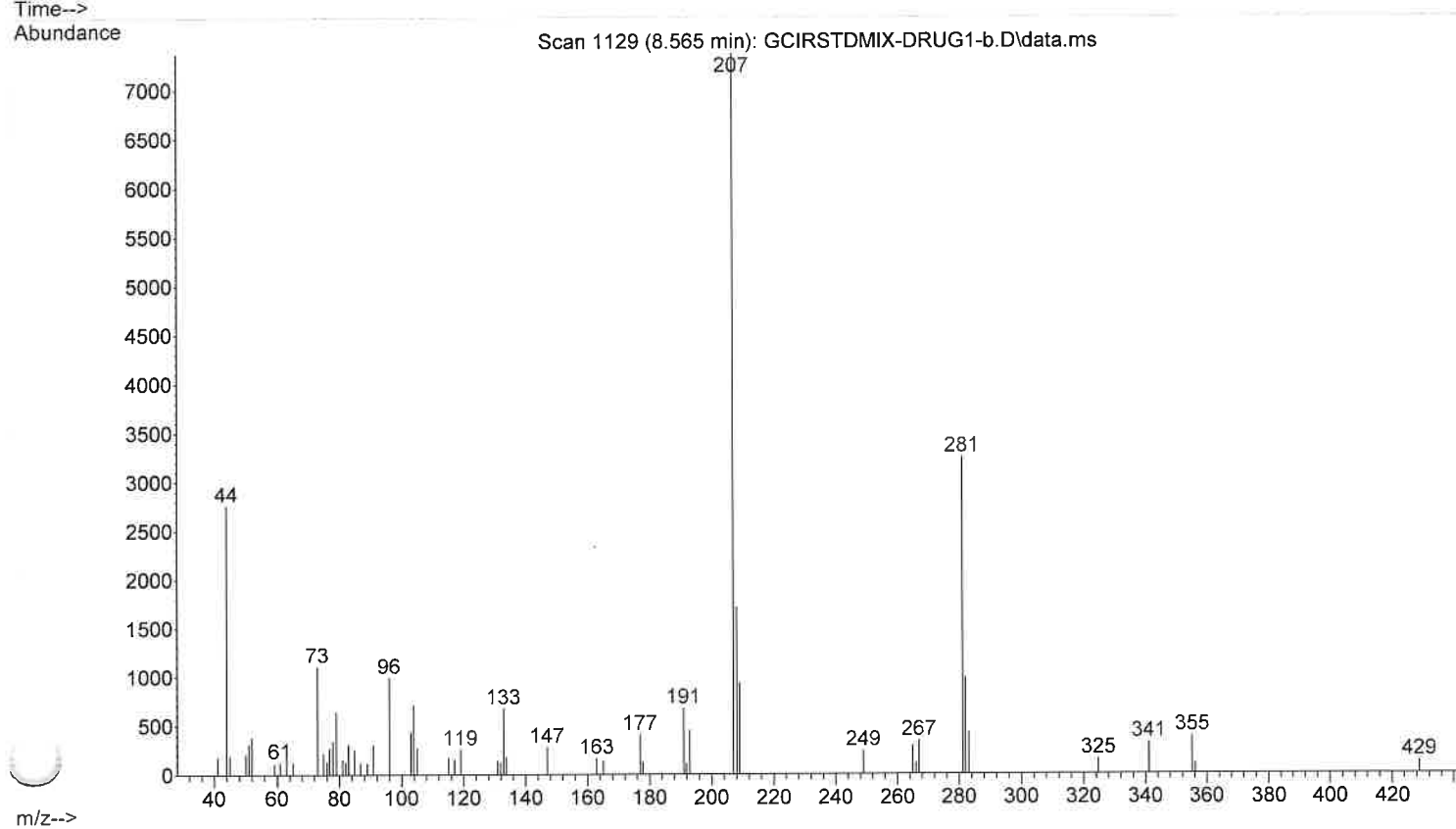
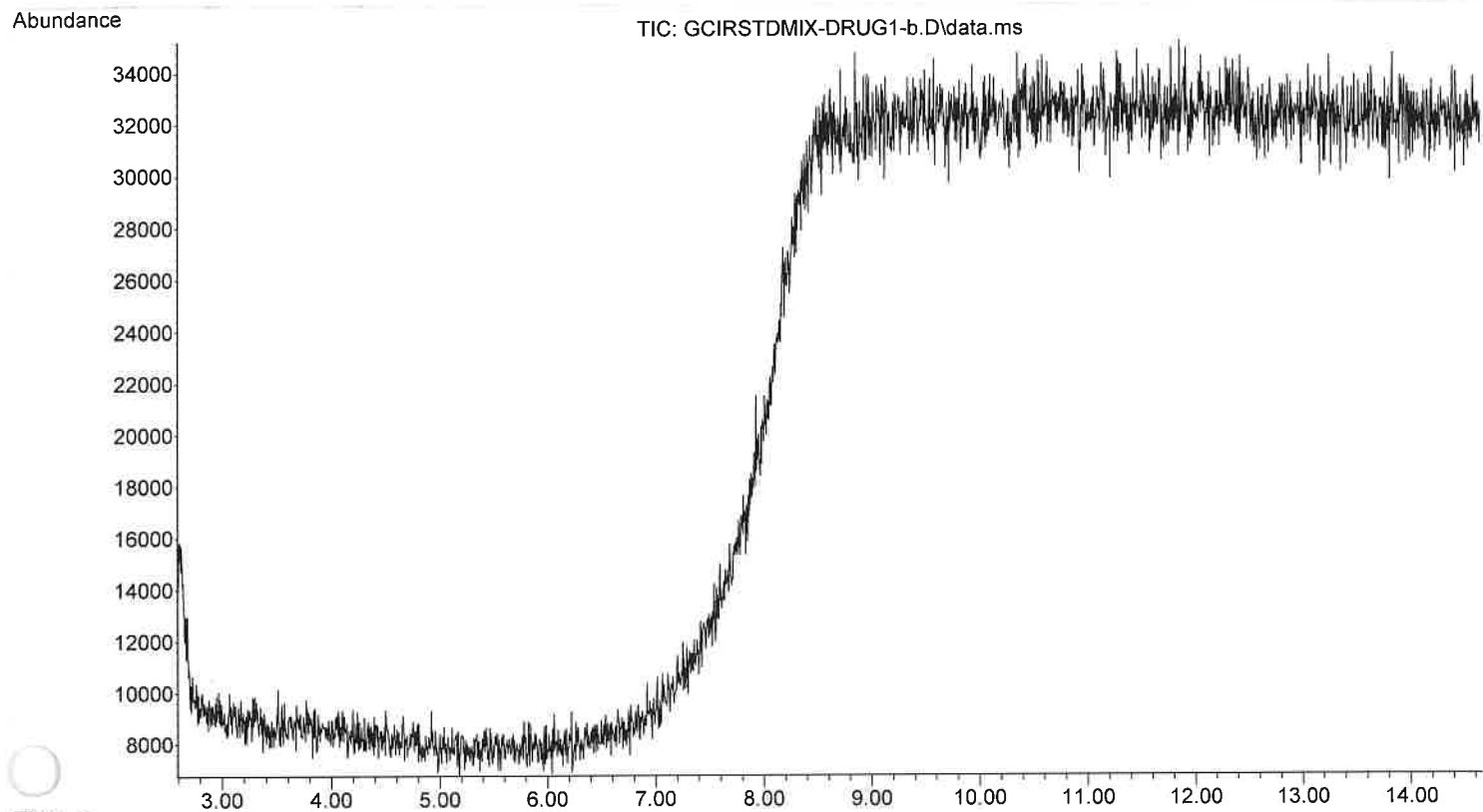
File :C:\MassHunter\GCMS\1\data\August 2024\GCIRSTDMIX-DRUG1.D
Operator :
Acquired : 01 Aug 2024 13:11 using AcqMethod DRUG1.M
Instrument : Wall-E
Sample Name: GCIR std mix
Misc Info : CHCl3
Vial Number: 55



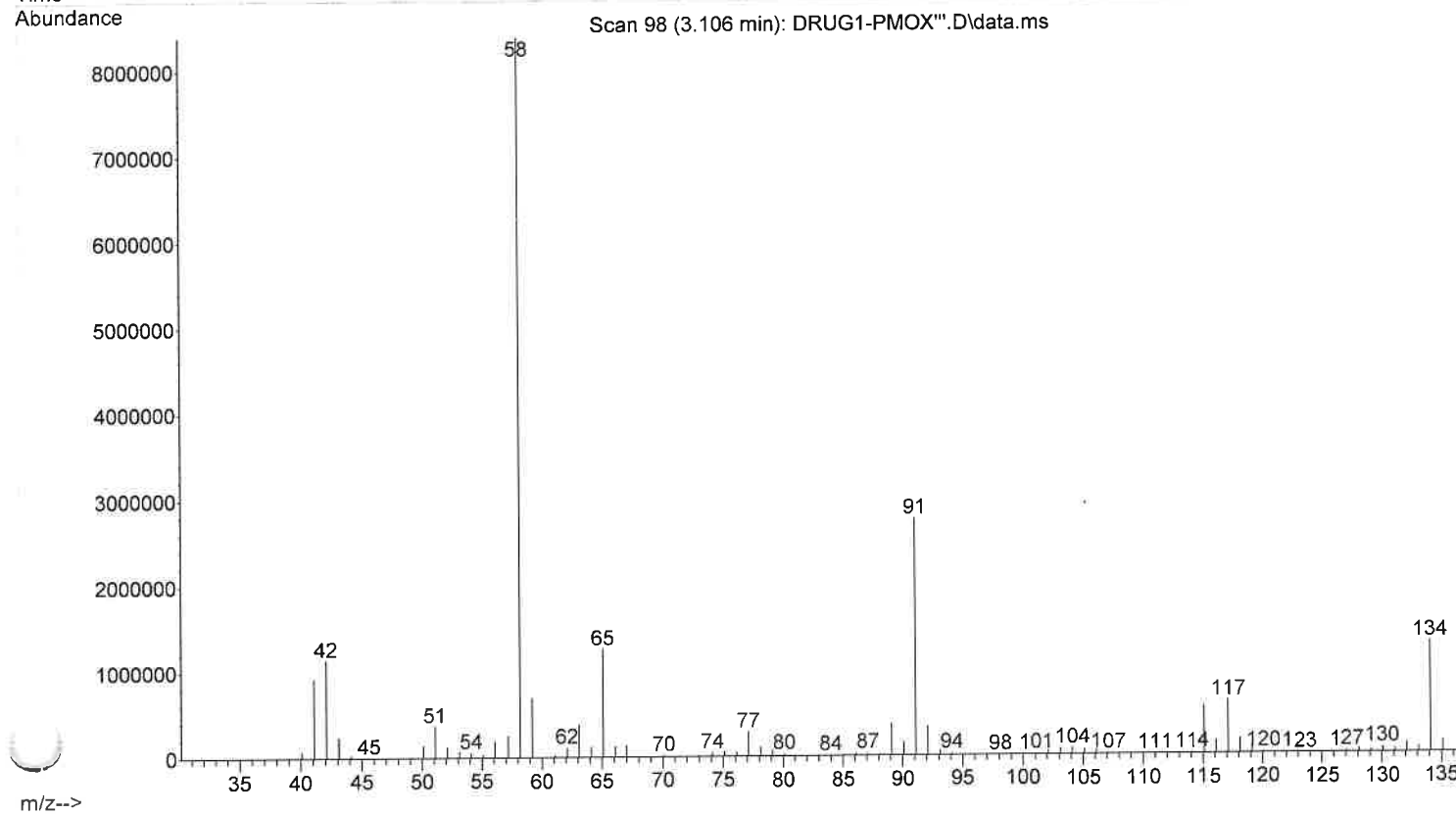
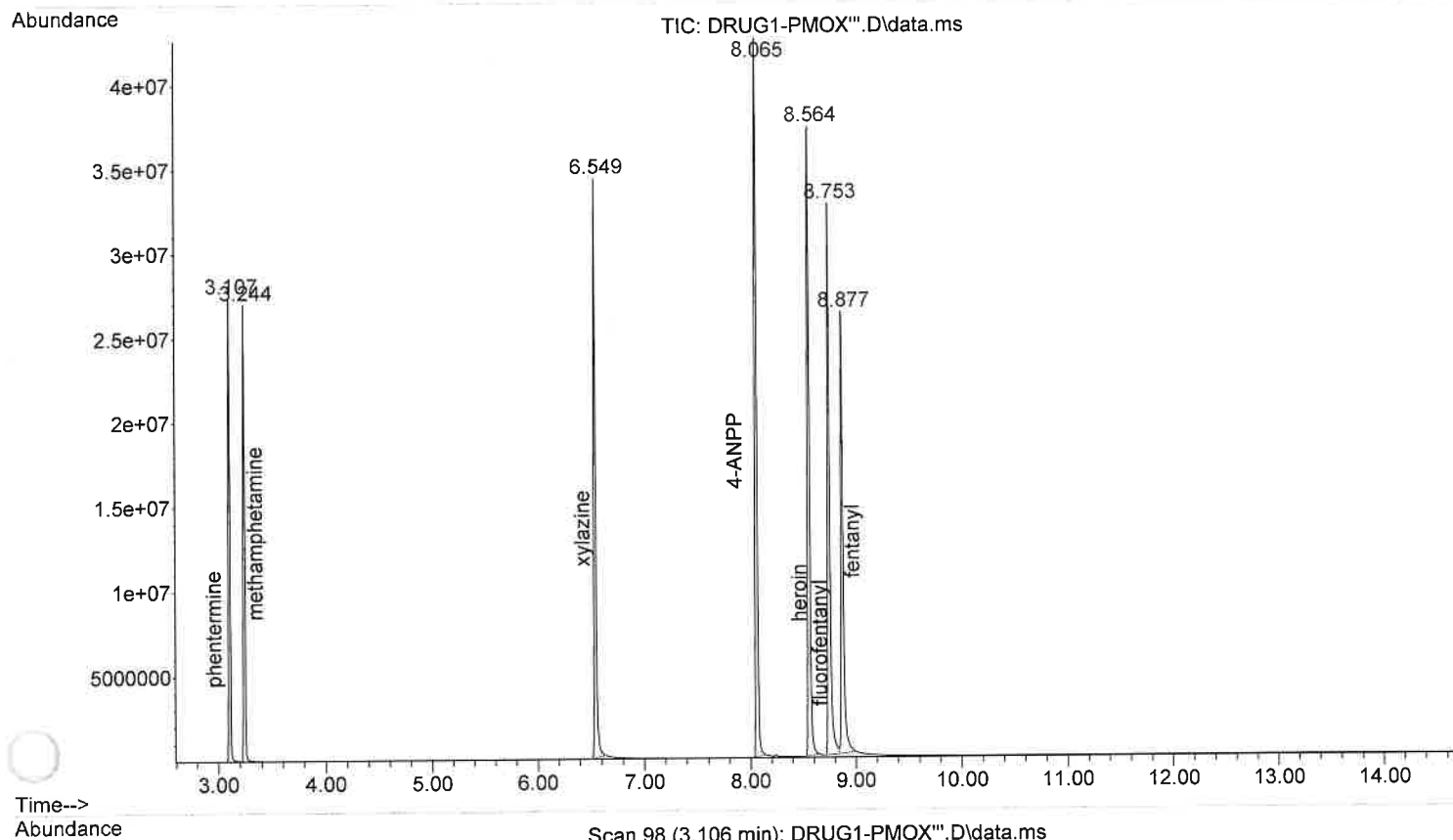
File :C:\MassHunter\GCMS\1\data\August 2024\GCIRSTDMIX-DRUG1.D
Operator :
Acquired : 01 Aug 2024 13:11 using AcqMethod DRUG1.M
Instrument : Wall-E
Sample Name: GCIR std mix
Misc Info : CHCl3
Vial Number: 55



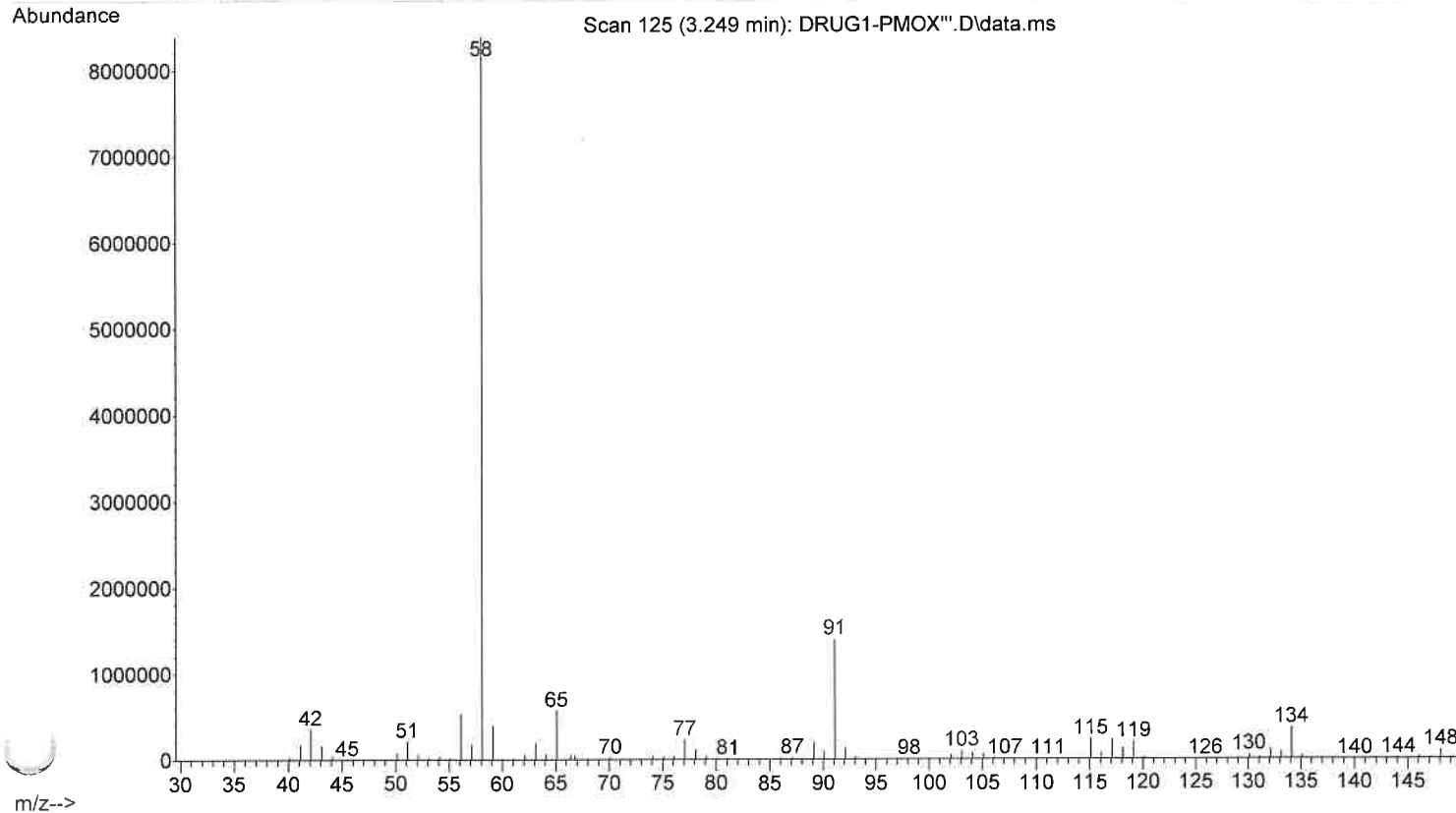
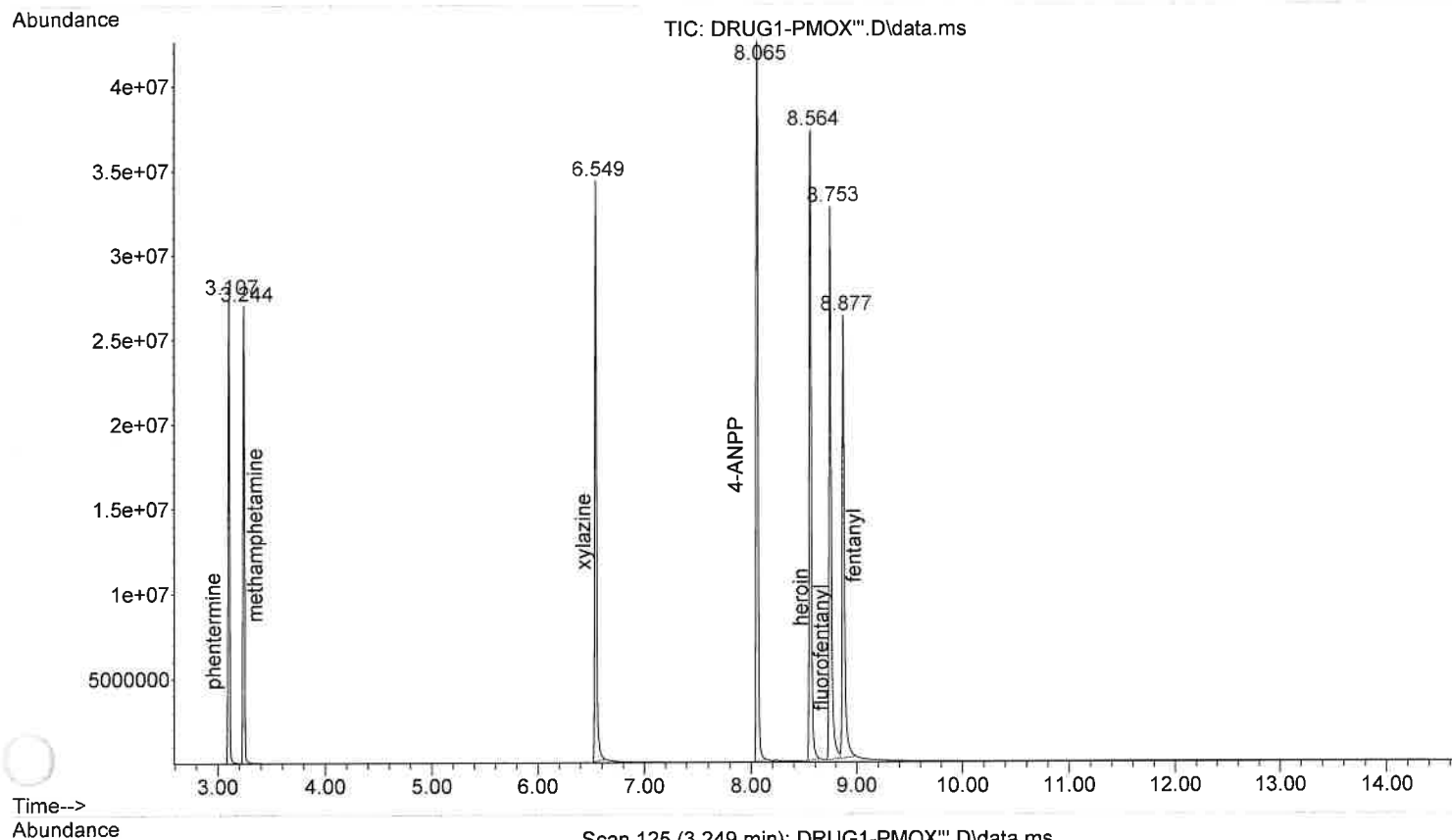
File :C:\MassHunter\GCMS\1\data\August 2024\GCIRSTDMIX-DRUG1-b.D
Operator :
Acquired : 01 Aug 2024 12:53 using AcqMethod DRUG1.M
Instrument : Wall-E
Sample Name: GCIR std mix blank
Misc Info : CHCl3
Vial Number: 52



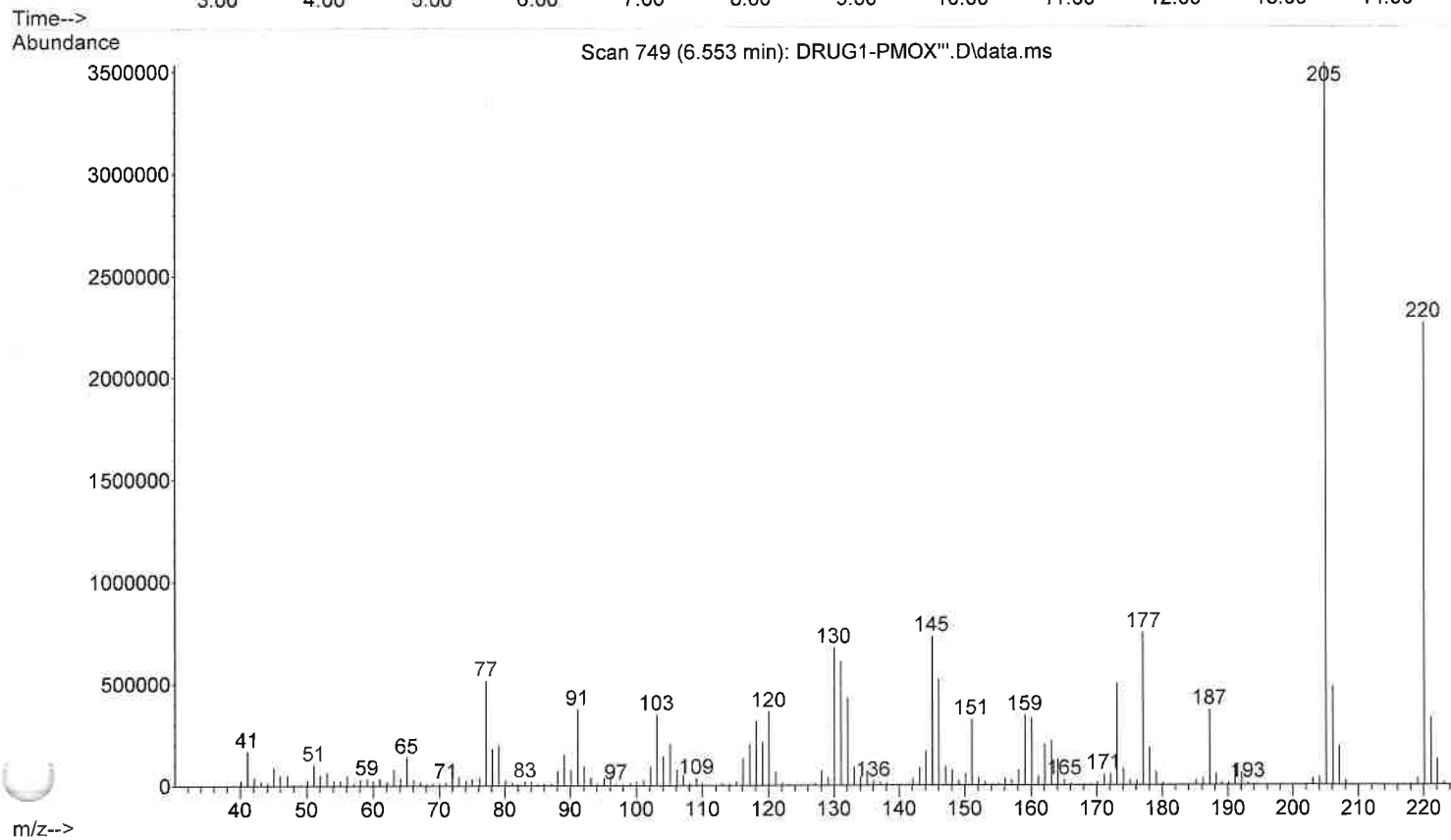
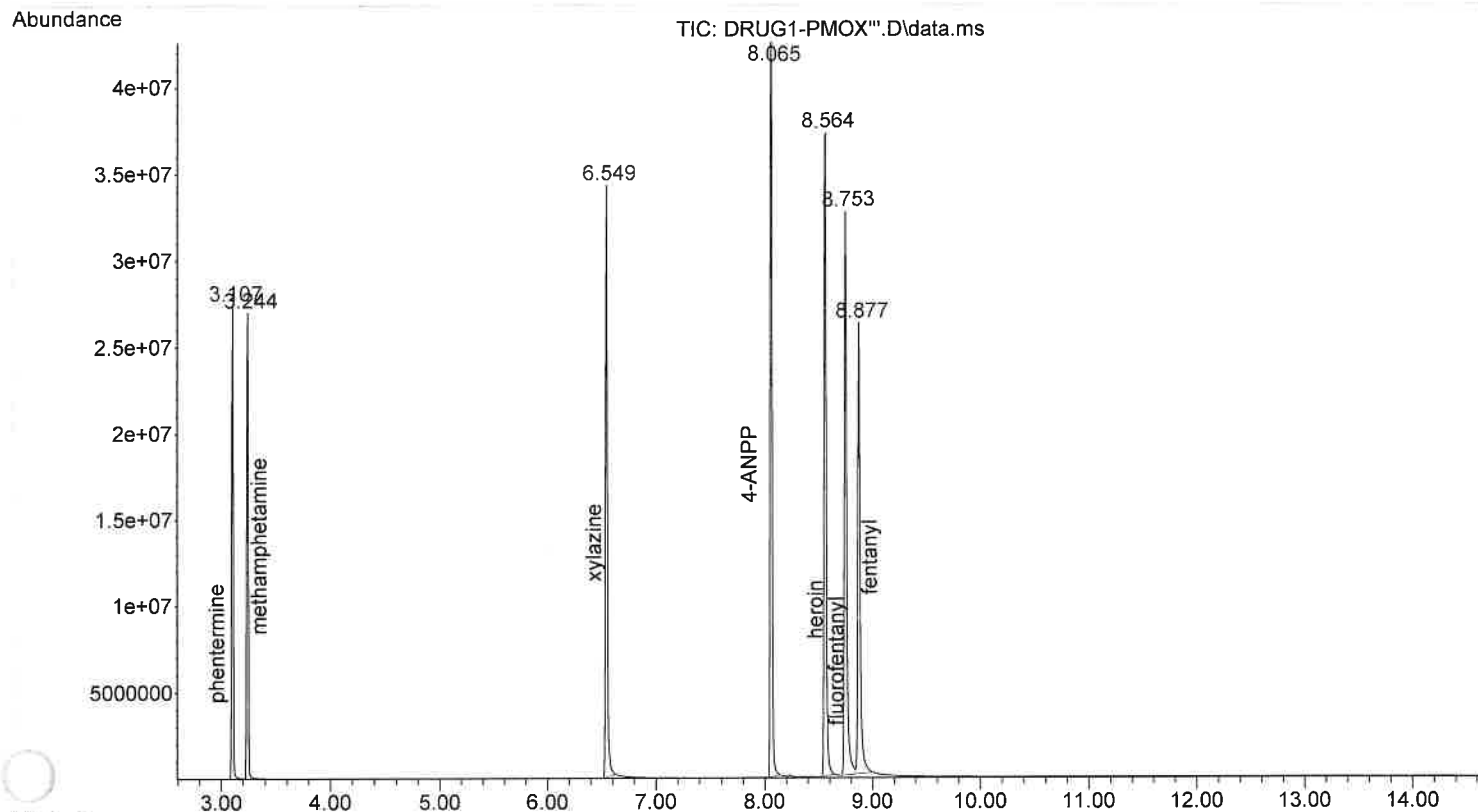
File :C:\MassHunter\GCMS\1\data\August 2024\DRUG1-PMOX'''.D
Operator :
Acquired : 09 Aug 2024 11:58 using AcqMethod DRUG1.M
Instrument : Wall-E
Sample Name: P-MOX std
Misc Info : CHCl3
Vial Number: 52



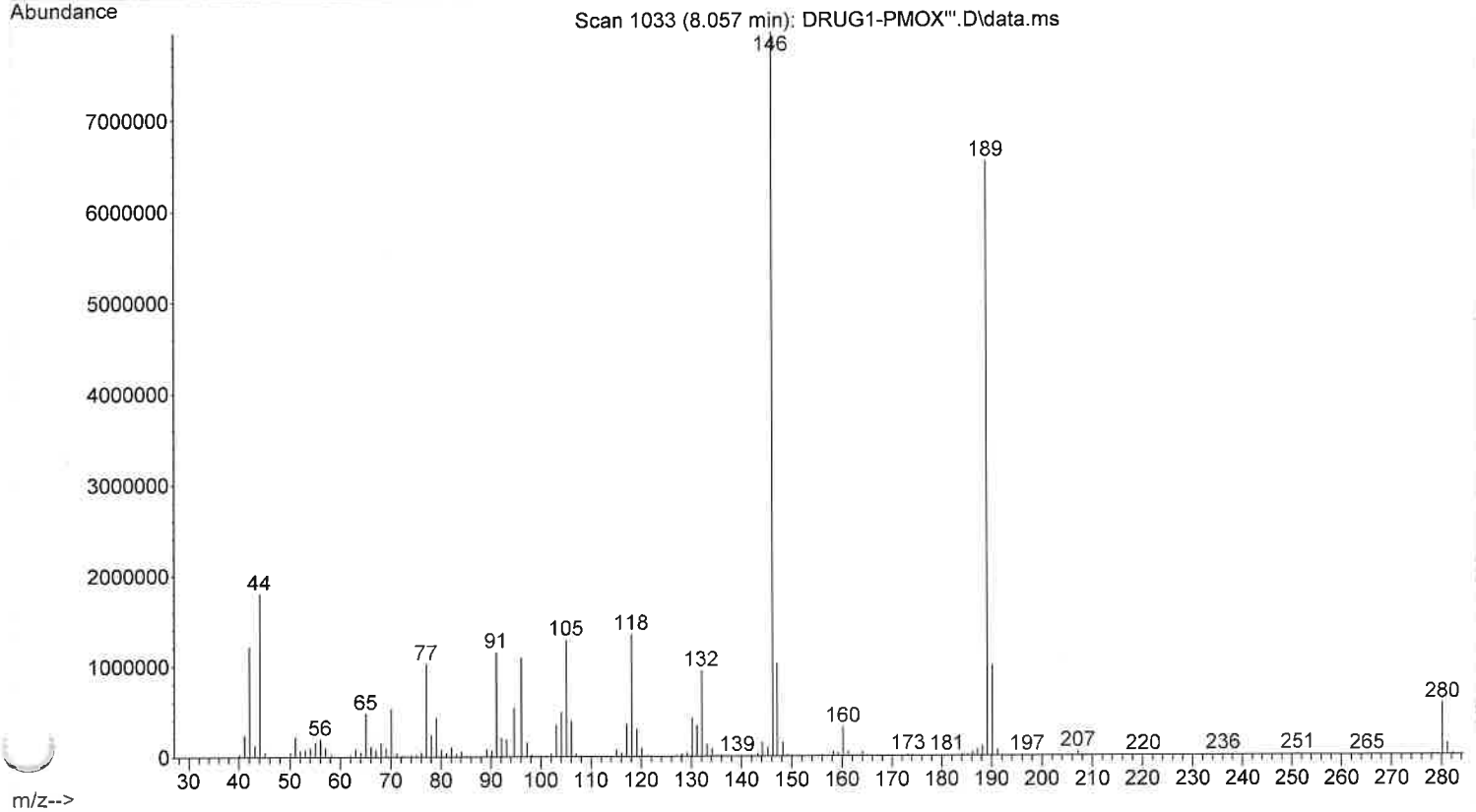
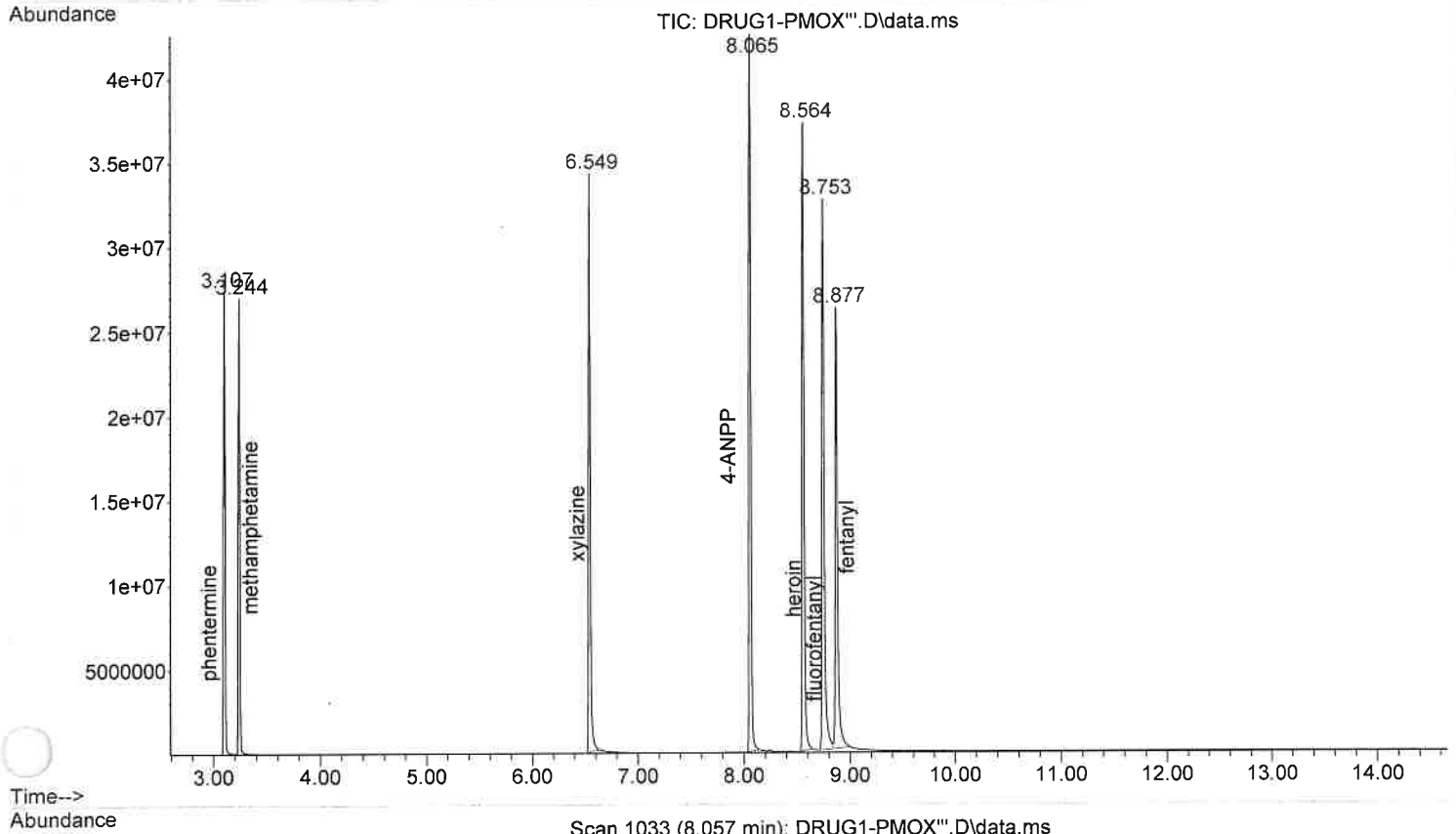
File :C:\MassHunter\GCMS\1\data\August 2024\DRUG1-PMOX'''.D
Operator :
Acquired : 09 Aug 2024 11:58 using AcqMethod DRUG1.M
Instrument : Wall-E
Sample Name: P-MOX std
Misc Info : CHCl3
Vial Number: 52



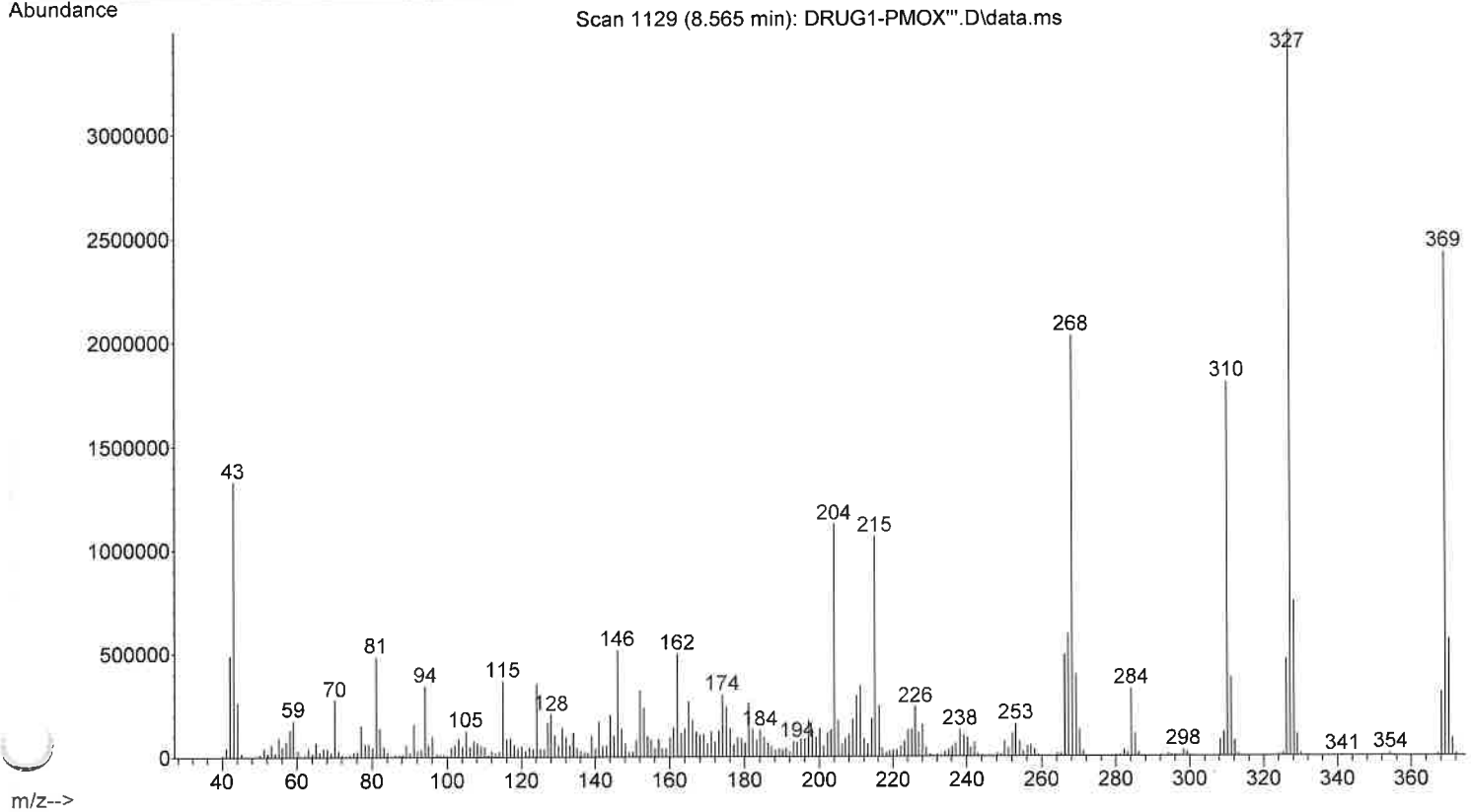
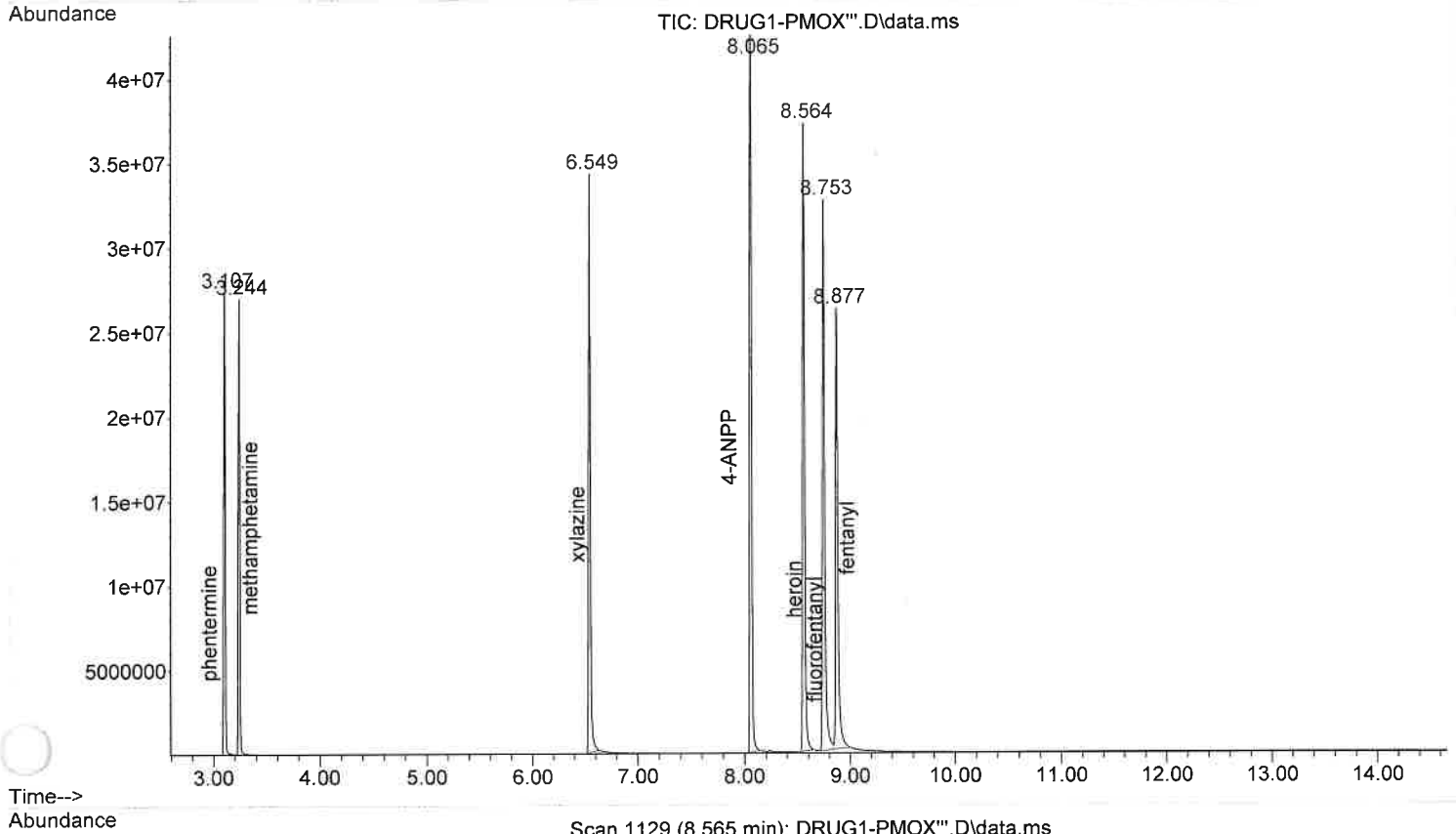
File :C:\MassHunter\GCMS\1\data\August 2024\DRUG1-PMOX'''.D
Operator :
Acquired : 09 Aug 2024 11:58 using AcqMethod DRUG1.M
Instrument : Wall-E
Sample Name: P-MOX std
Misc Info : CHCl3
Vial Number: 52



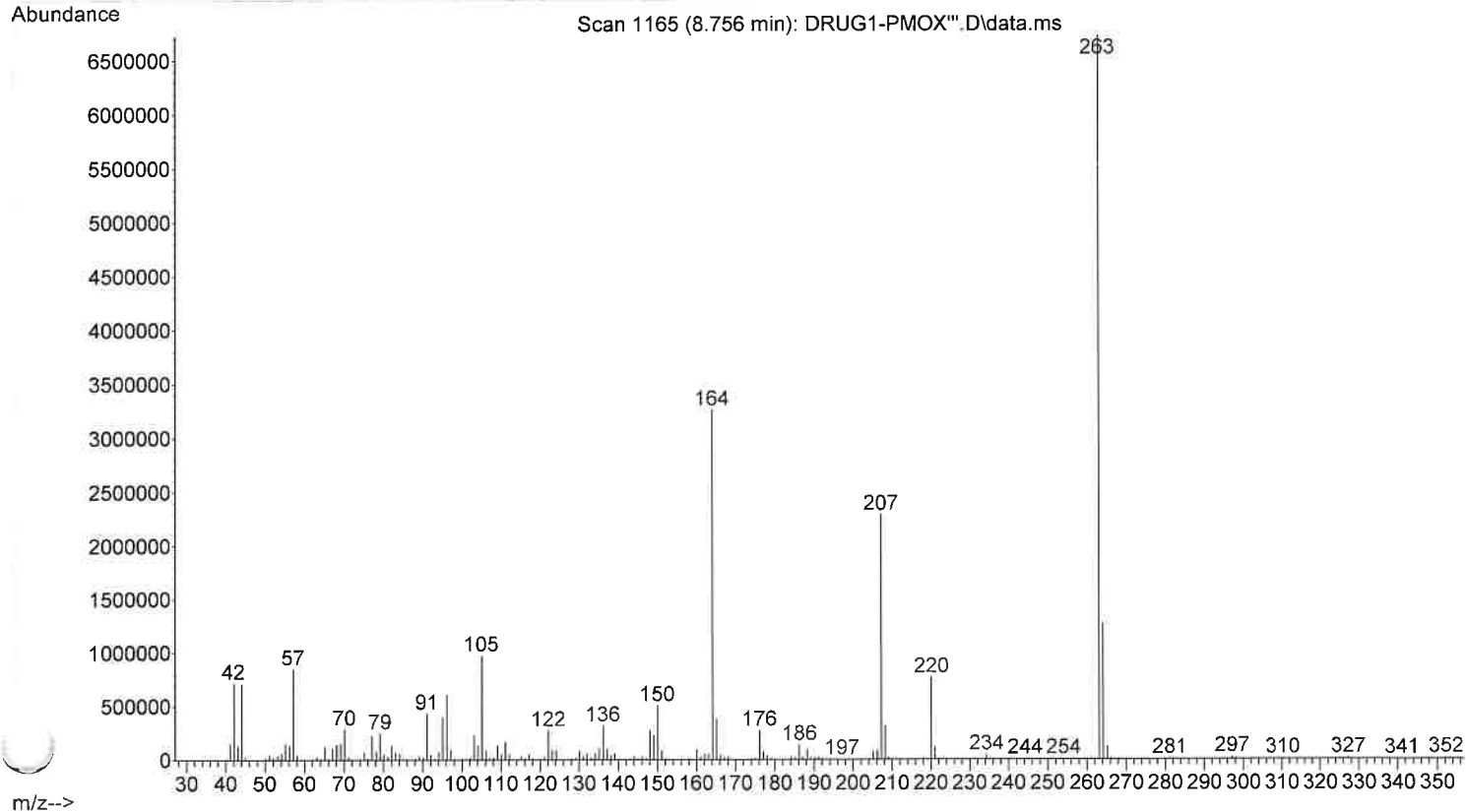
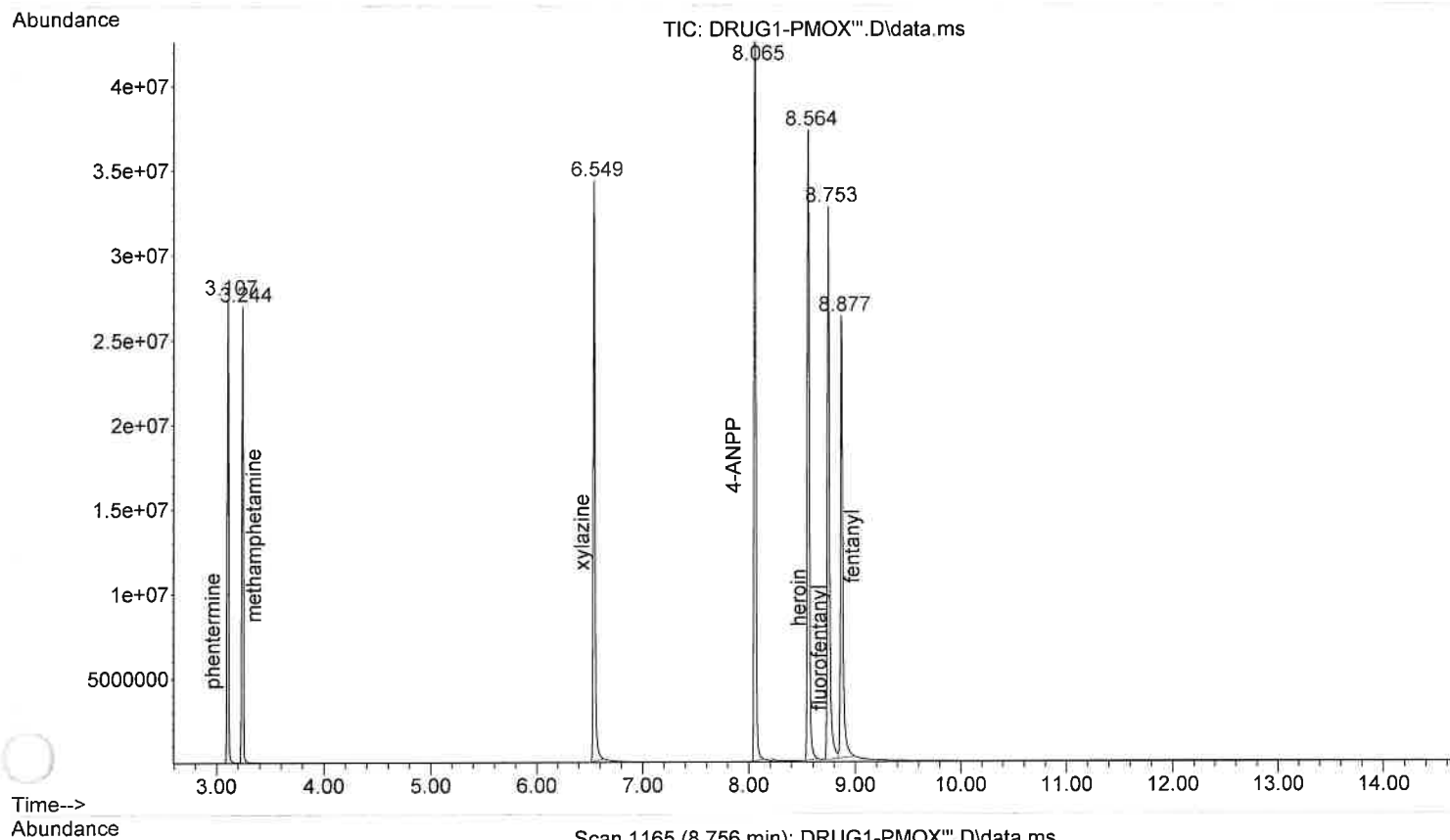
File :C:\MassHunter\GCMS\1\data\August 2024\DRUG1-PMOX'''.D
Operator :
Acquired : 09 Aug 2024 11:58 using AcqMethod DRUG1.M
Instrument : Wall-E
Sample Name: P-MOX std
Misc Info : CHCl3
Vial Number: 52



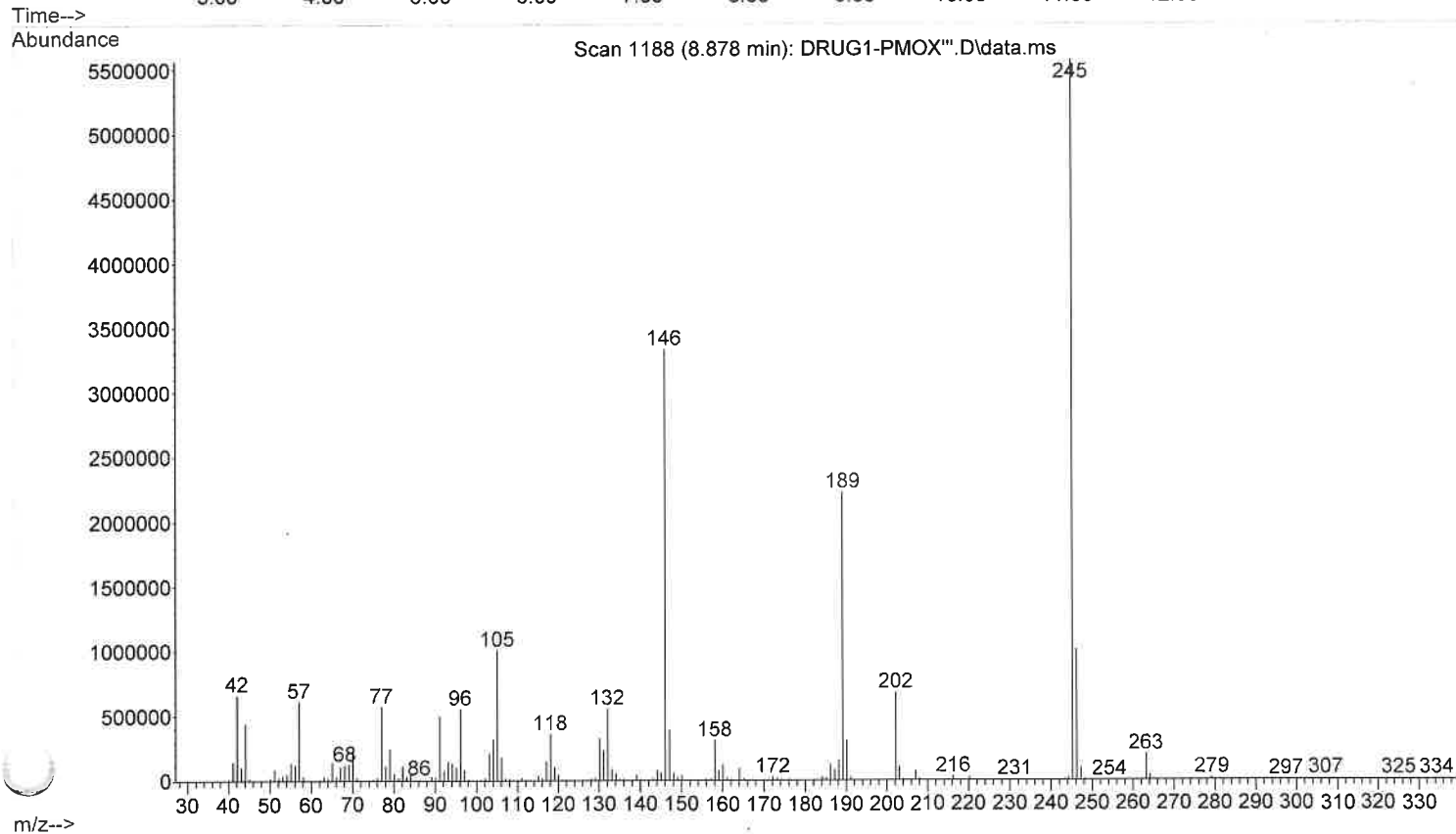
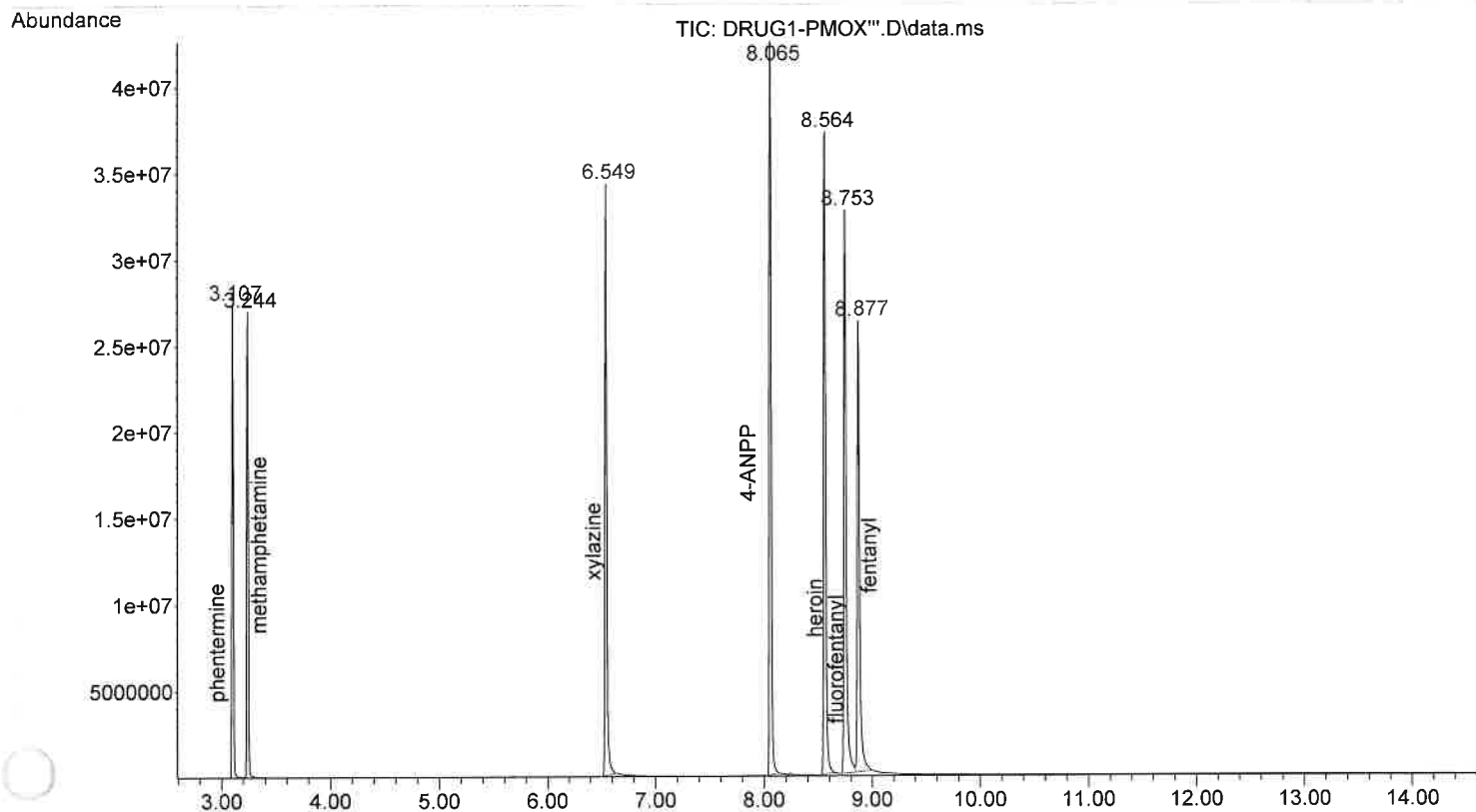
File :C:\MassHunter\GCMS\1\data\August 2024\DRUG1-PMOX'''.D
Operator :
Acquired : 09 Aug 2024 11:58 using AcqMethod DRUG1.M
Instrument : Wall-E
Sample Name: P-MOX std
Misc Info : CHCl3
Vial Number: 52



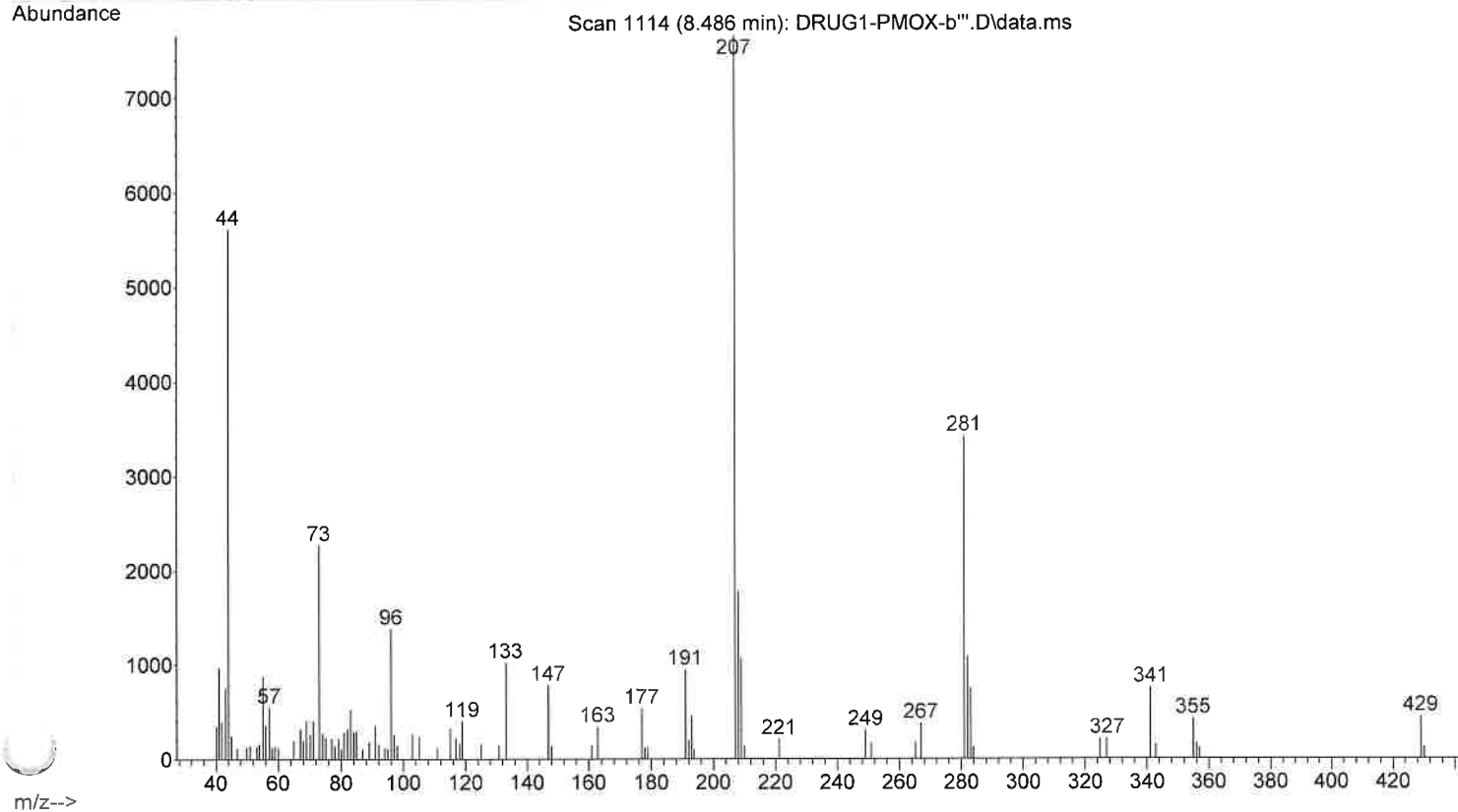
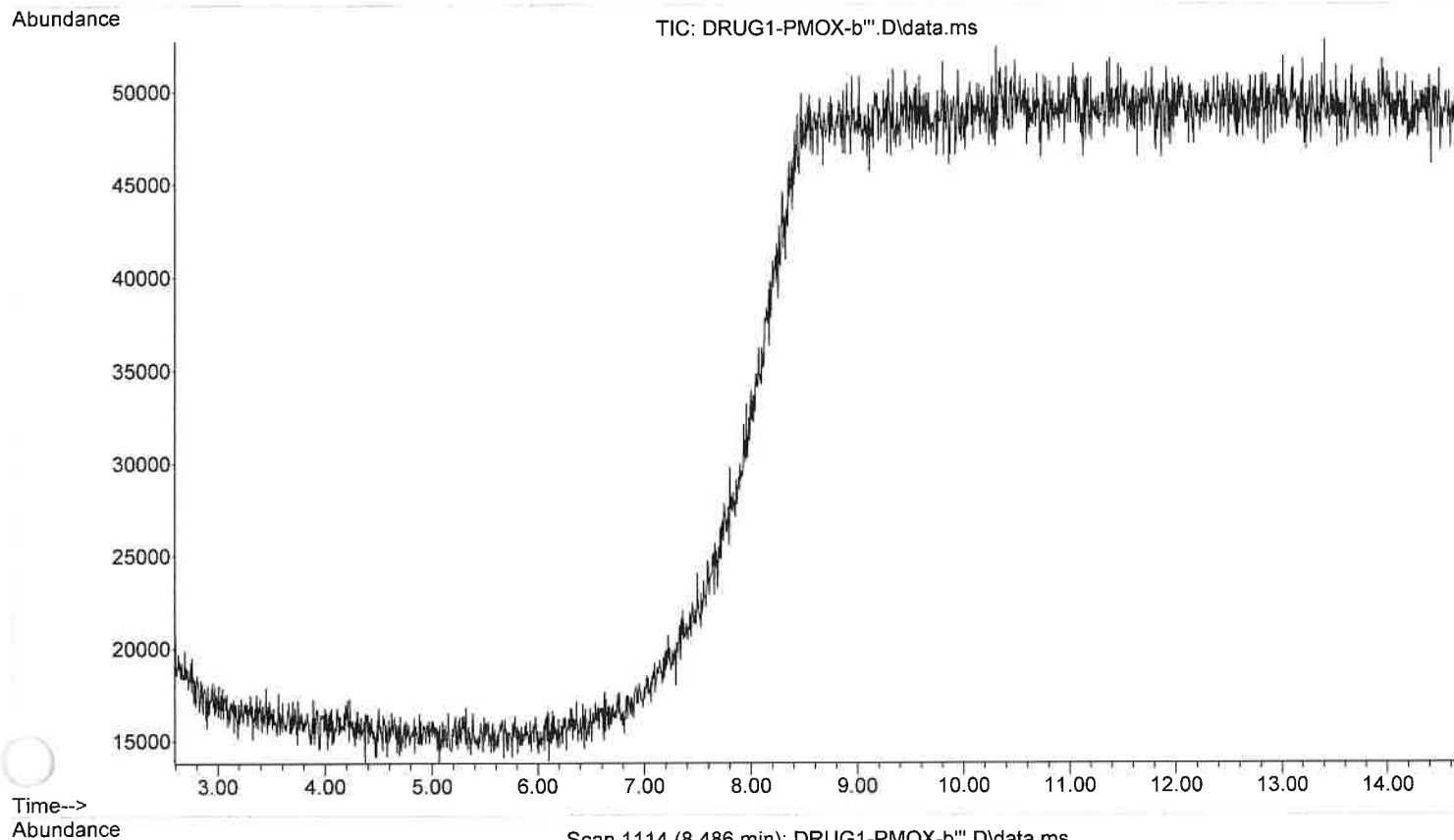
File :C:\MassHunter\GCMS\1\data\August 2024\DRUG1-PMOX'''.D
Operator :
Acquired : 09 Aug 2024 11:58 using AcqMethod DRUG1.M
Instrument : Wall-E
Sample Name: P-MOX std
Misc Info : CHC13
Vial Number: 52



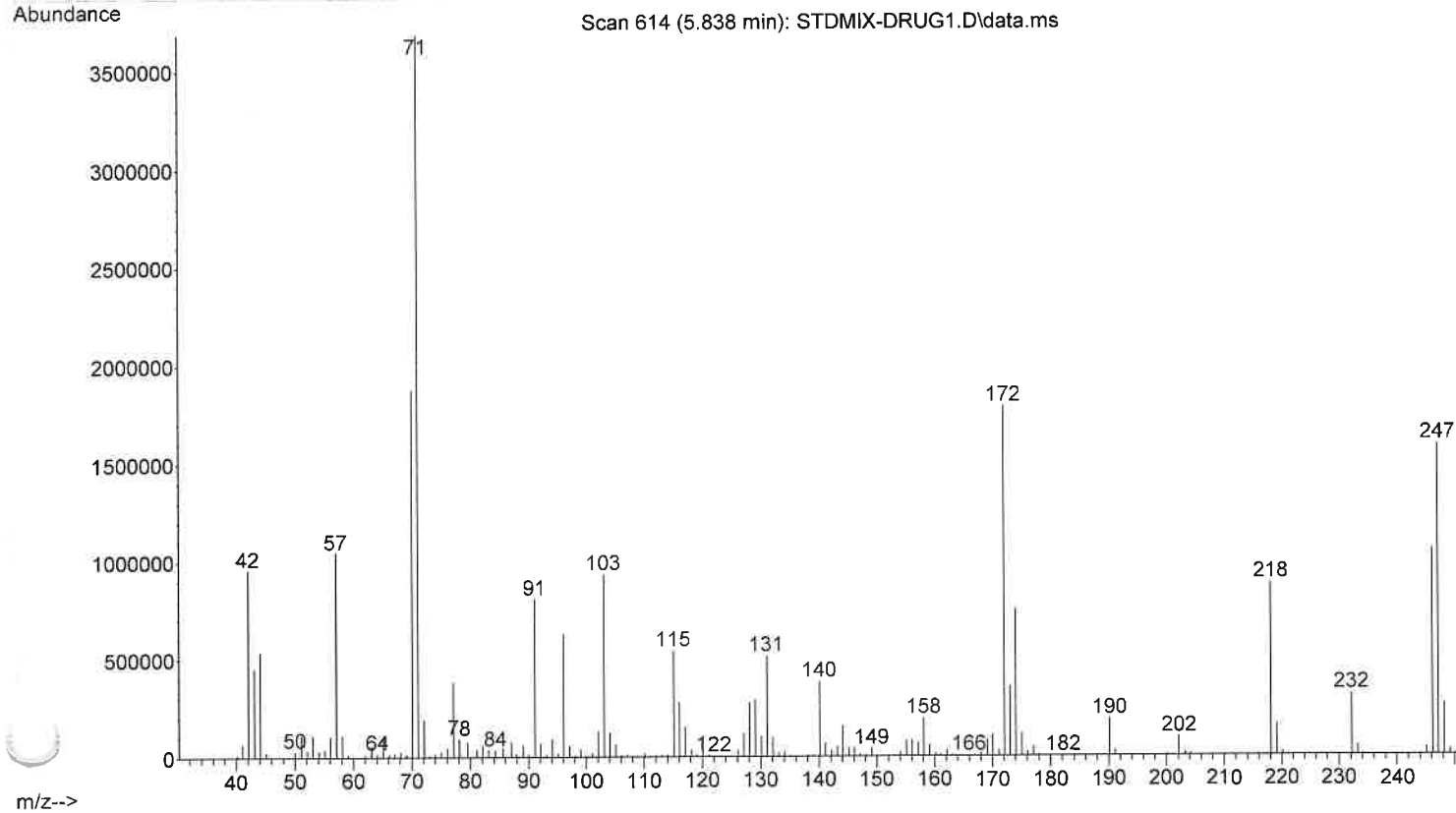
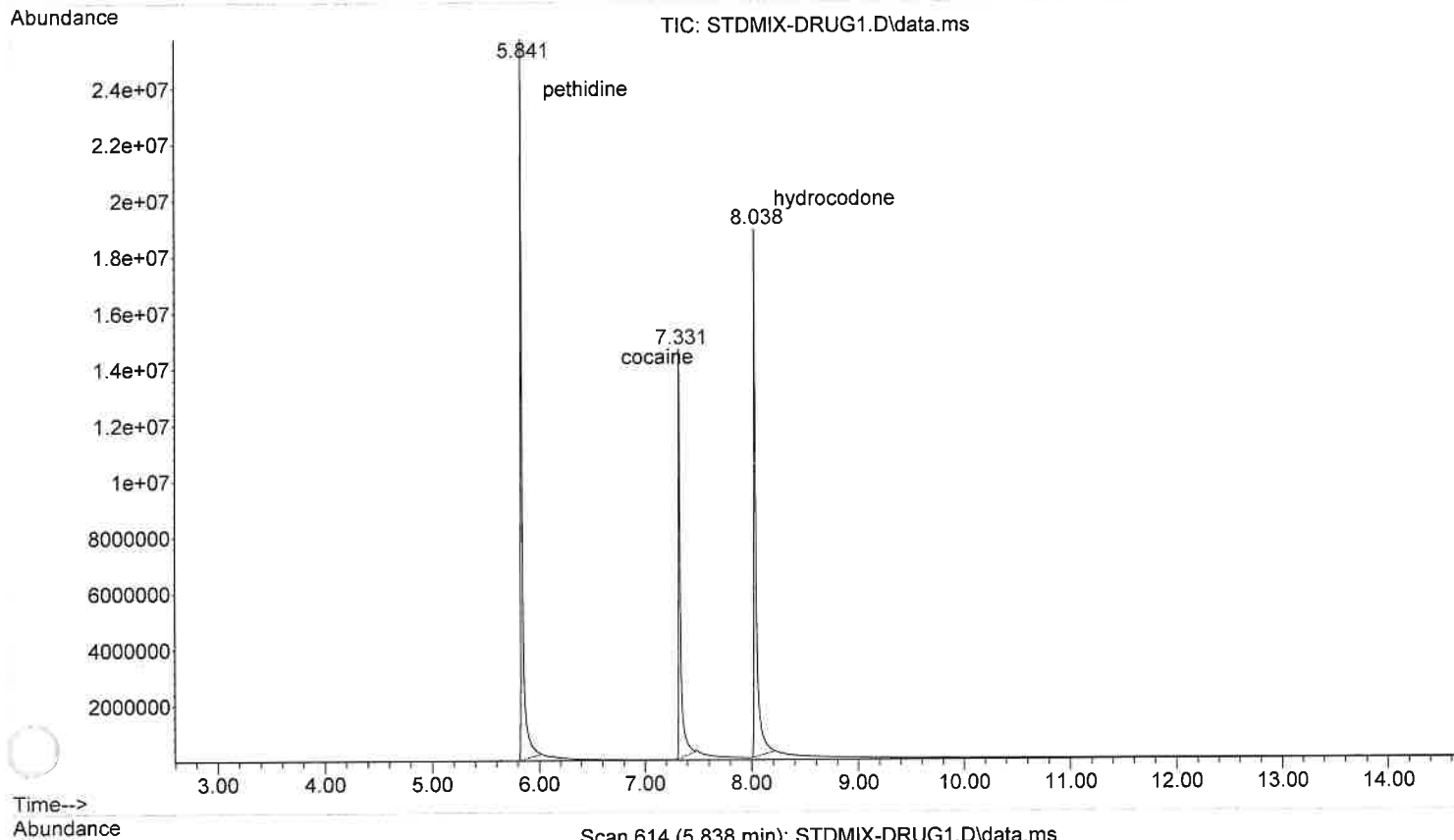
File :C:\MassHunter\GCMS\1\data\August 2024\DRUG1-PMOX'''.D
Operator :
Acquired : 09 Aug 2024 11:58 using AcqMethod DRUG1.M
Instrument : Wall-E
Sample Name: P-MOX std
Misc Info : CHCl3
Vial Number: 52



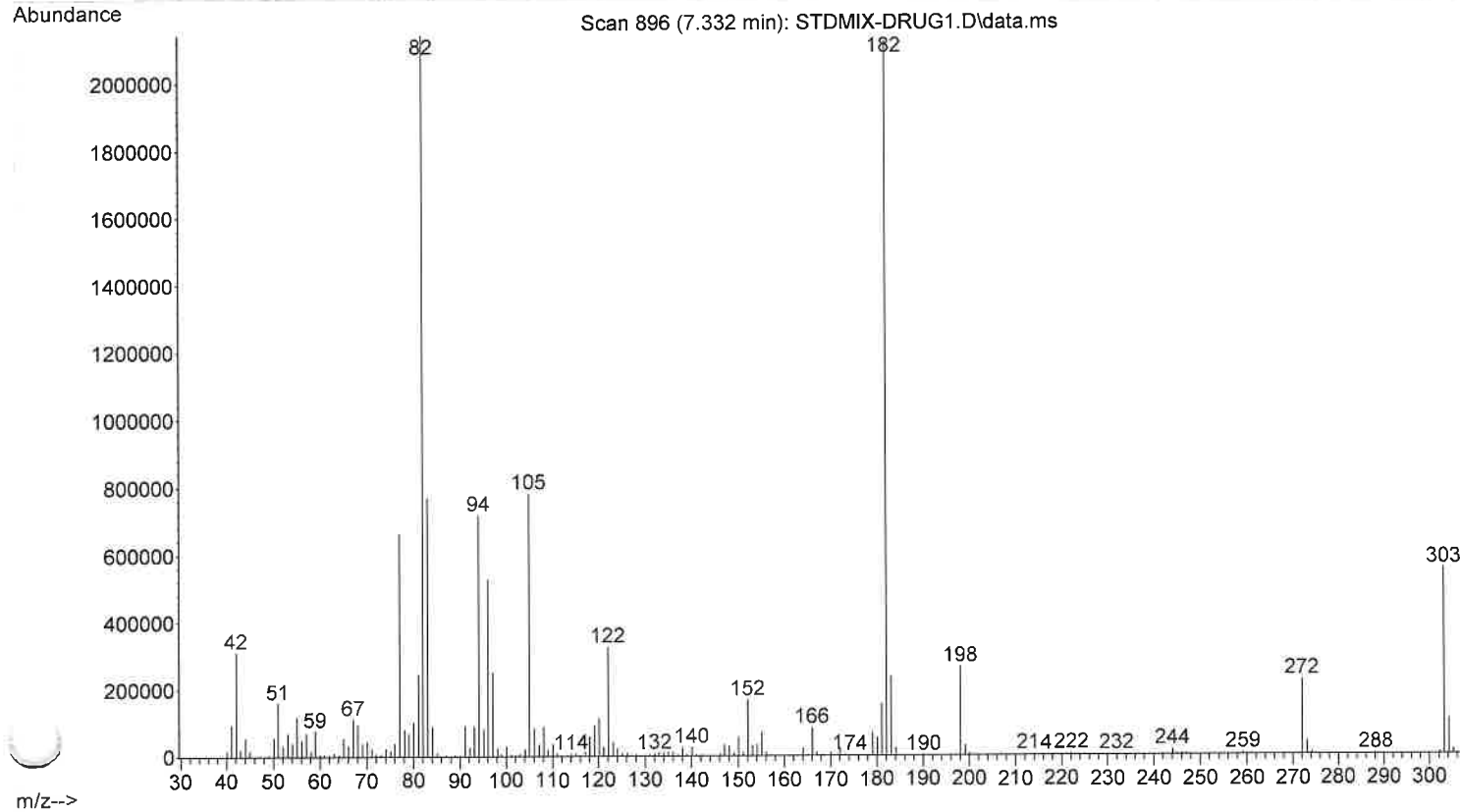
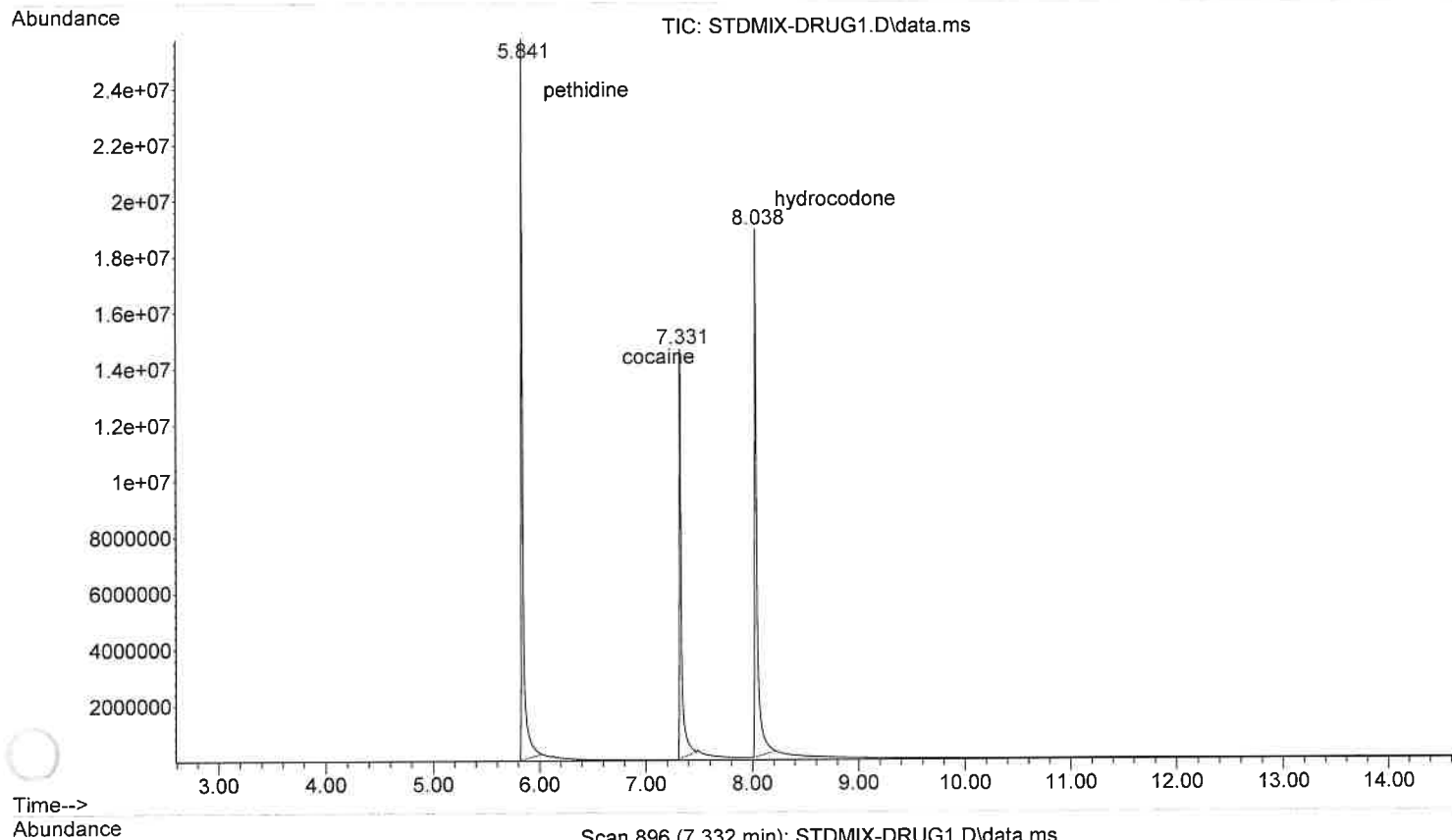
File :C:\MassHunter\GCMS\1\data\August 2024\DRUG1-PMOX-b'''.D
Operator :
Acquired : 09 Aug 2024 11:40 using AcqMethod DRUG1.M
Instrument : Wall-E
Sample Name: P-MOX std blank
Misc Info : CHCl3
Vial Number: 51



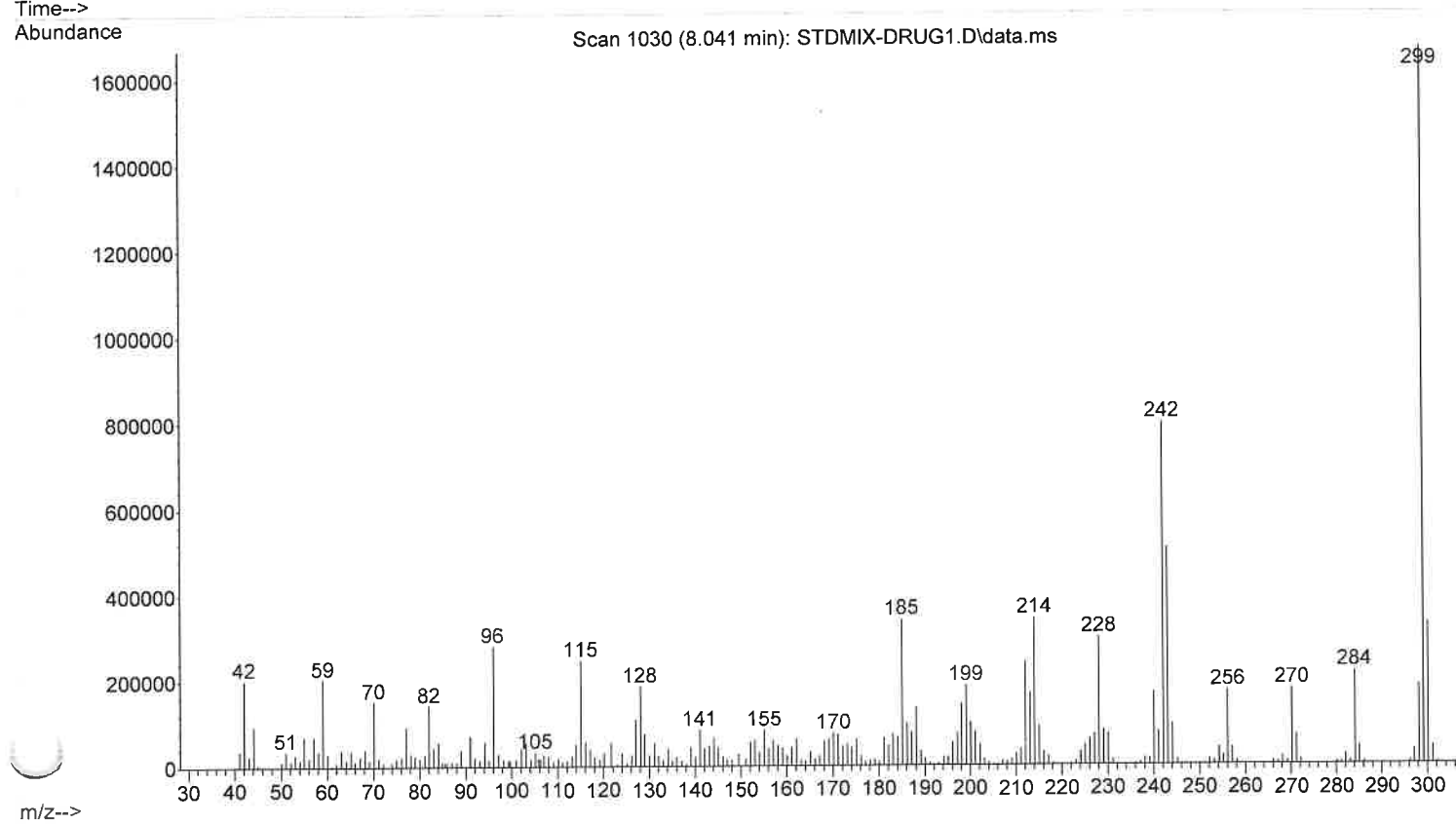
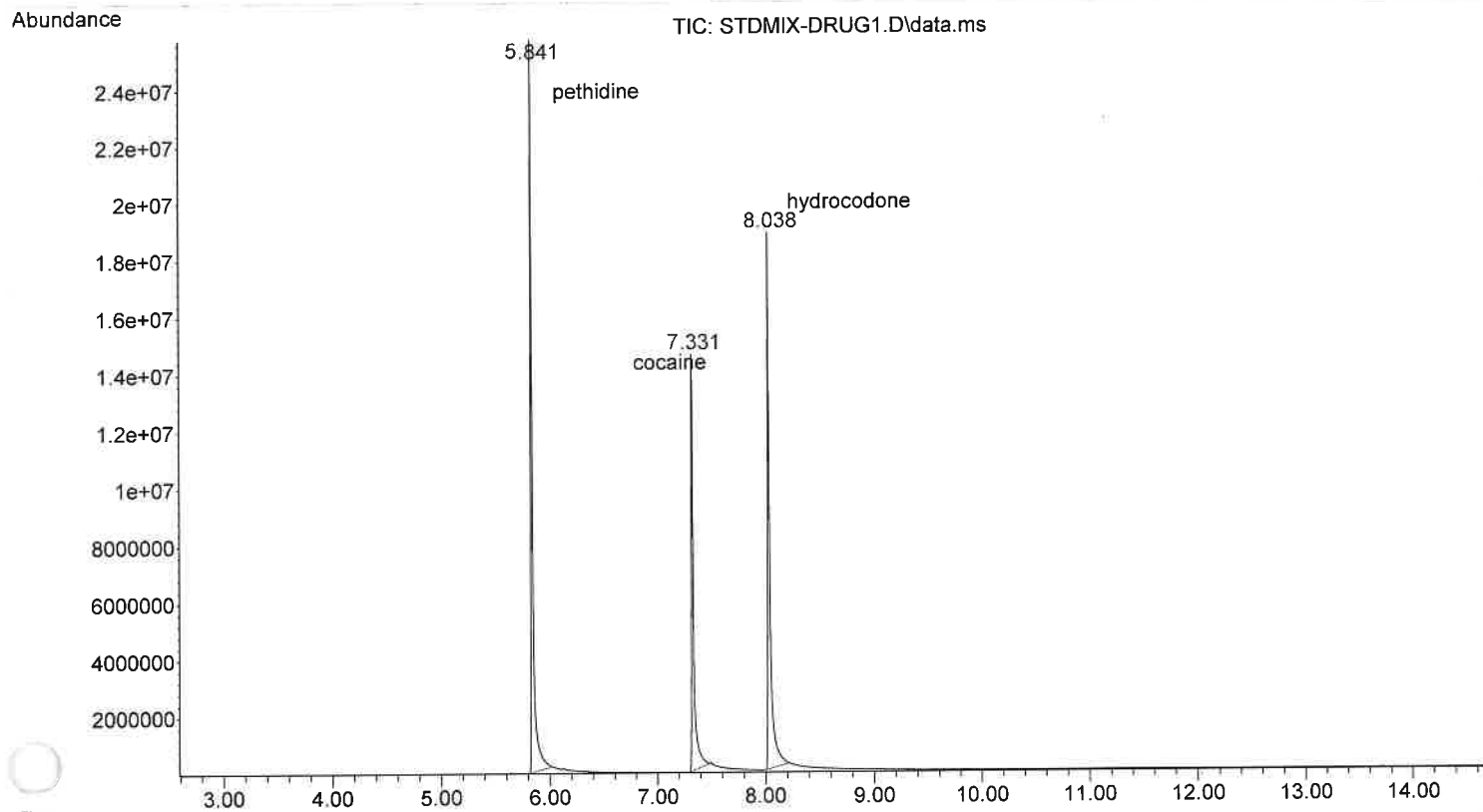
File :C:\MassHunter\GCMS\1\data\August 2024\STDMIX-DRUG1.D
Operator :
Acquired : 01 Aug 2024 12:35 using AcqMethod DRUG1.M
Instrument : Wall-E
Sample Name: std mix
Misc Info : CHCl3
Vial Number: 54



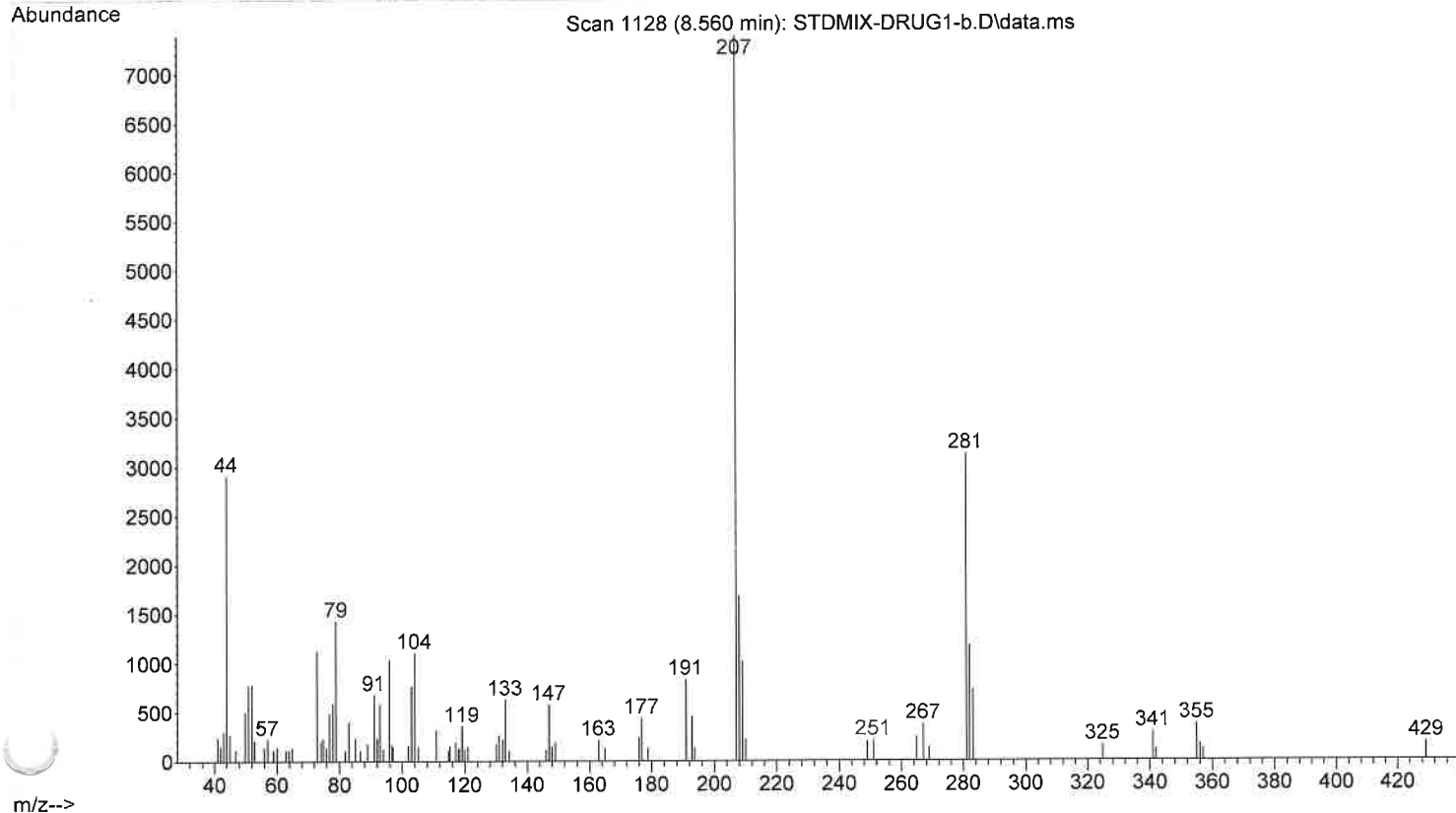
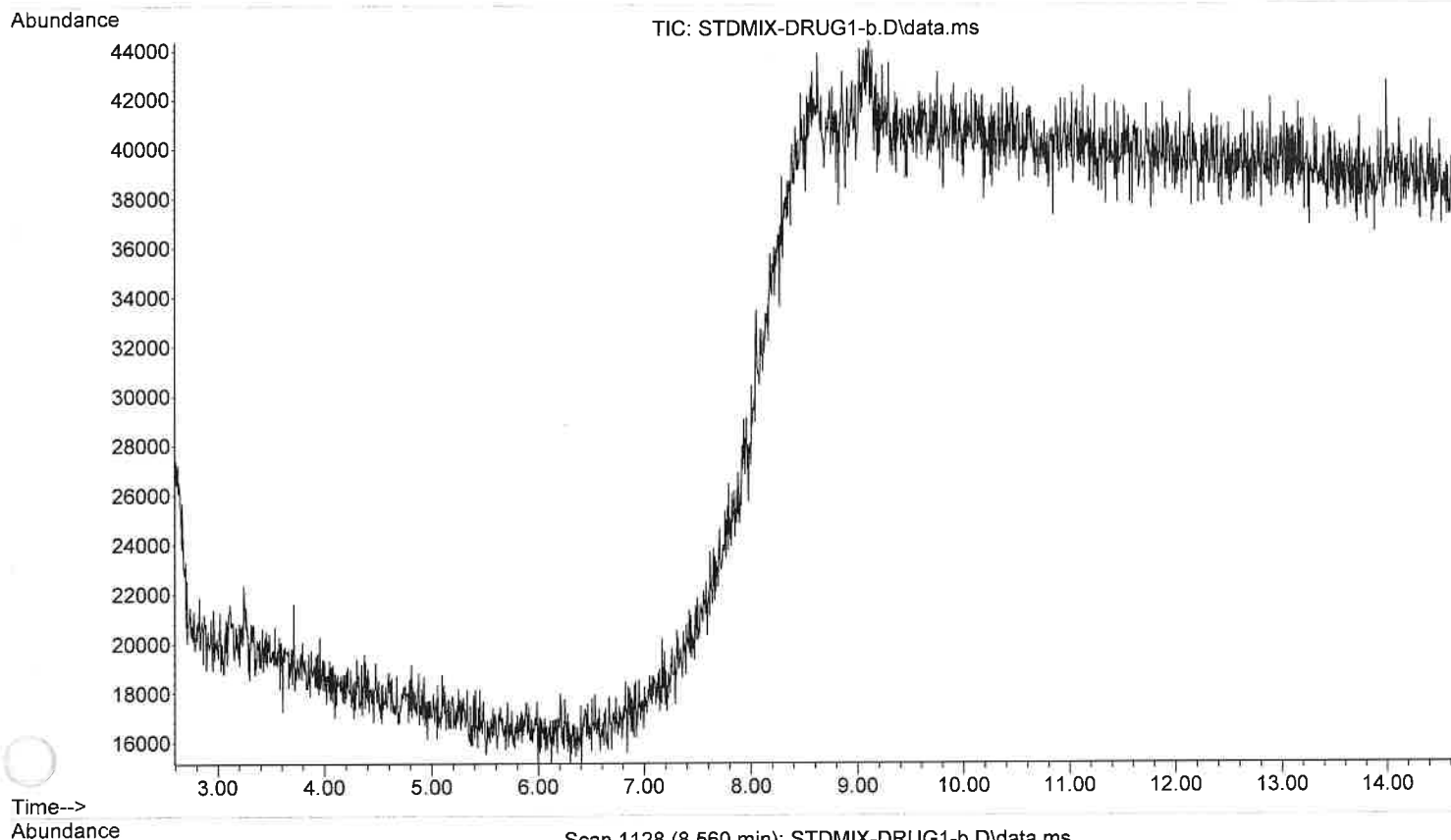
File :C:\MassHunter\GCMS\1\data\August 2024\STDMIX-DRUG1.D
Operator :
Acquired : 01 Aug 2024 12:35 using AcqMethod DRUG1.M
Instrument : Wall-E
Sample Name: std mix
Misc Info : CHCl3
Vial Number: 54



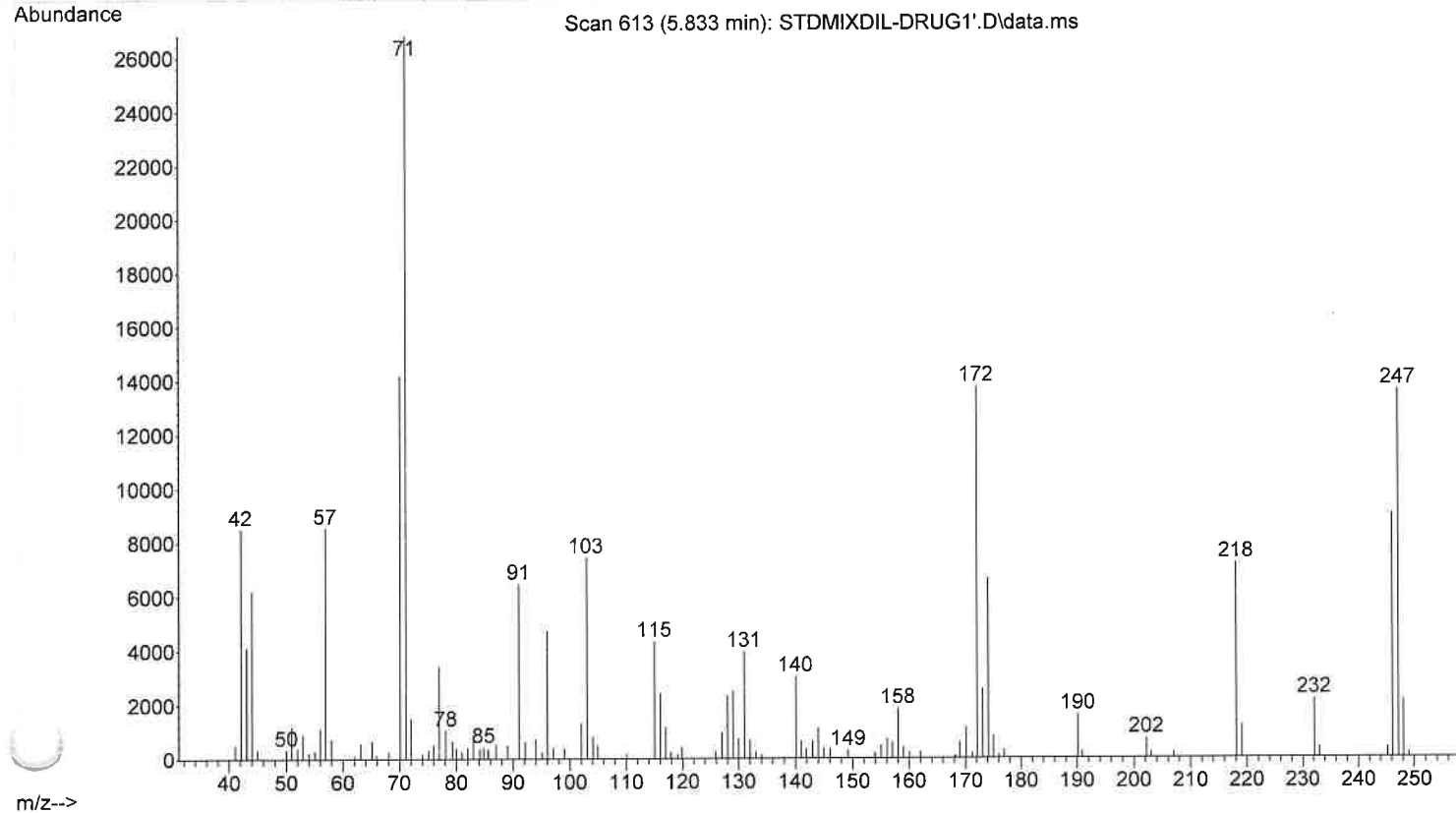
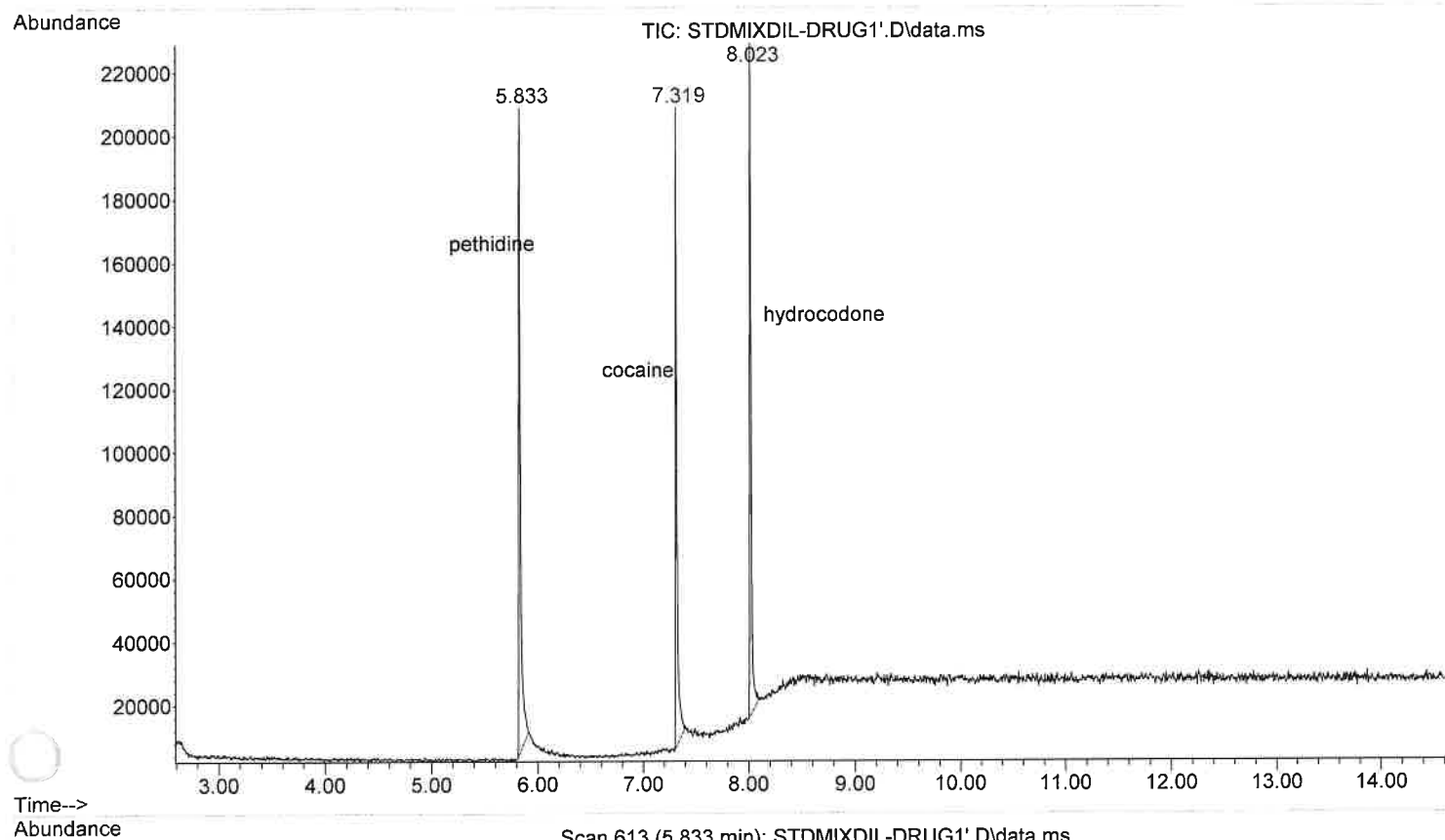
File :C:\MassHunter\GCMS\1\data\August 2024\STDMIX-DRUG1.D
Operator :
Acquired : 01 Aug 2024 12:35 using AcqMethod DRUG1.M
Instrument : Wall-E
Sample Name: std mix
Misc Info : CHCl3
Vial Number: 54



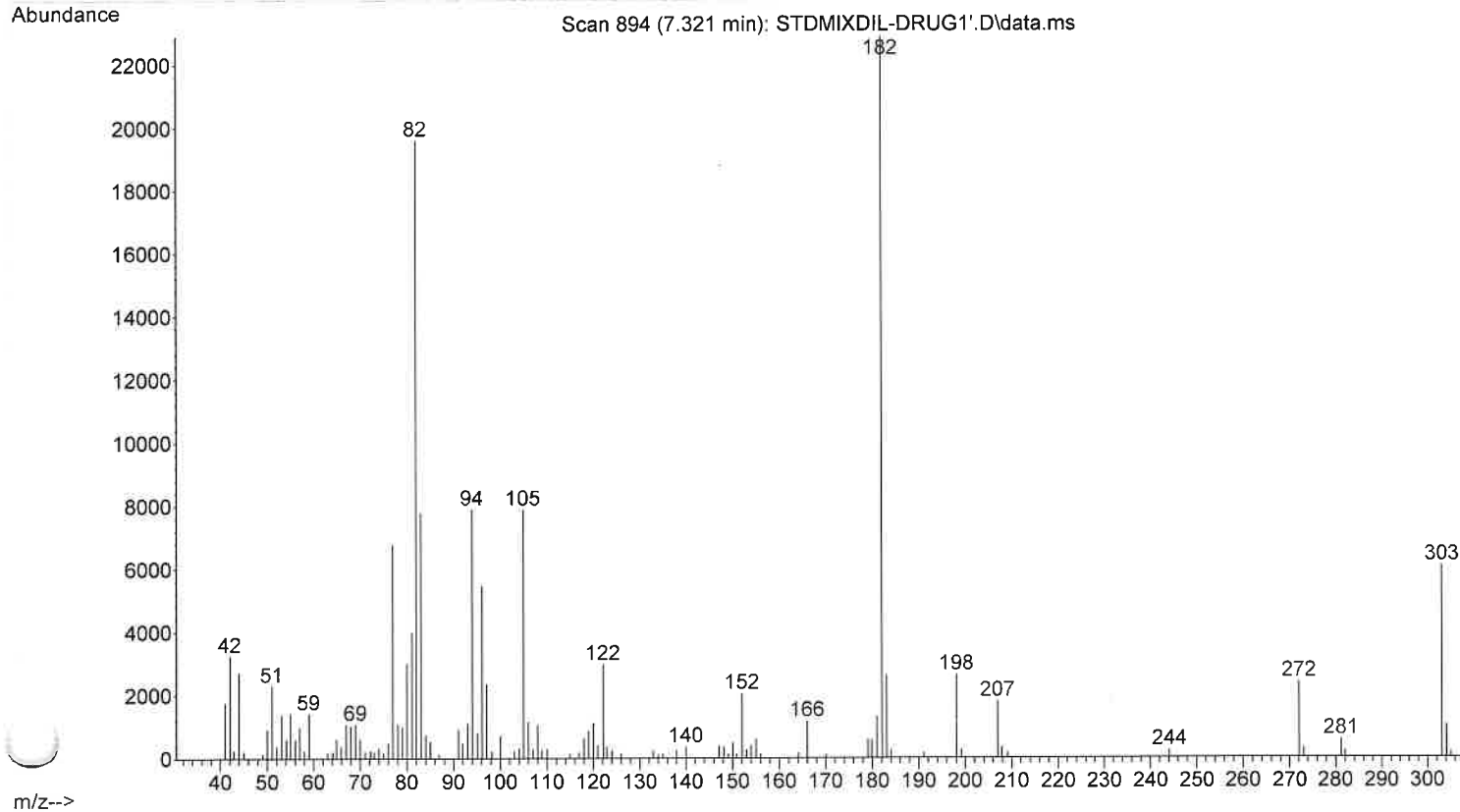
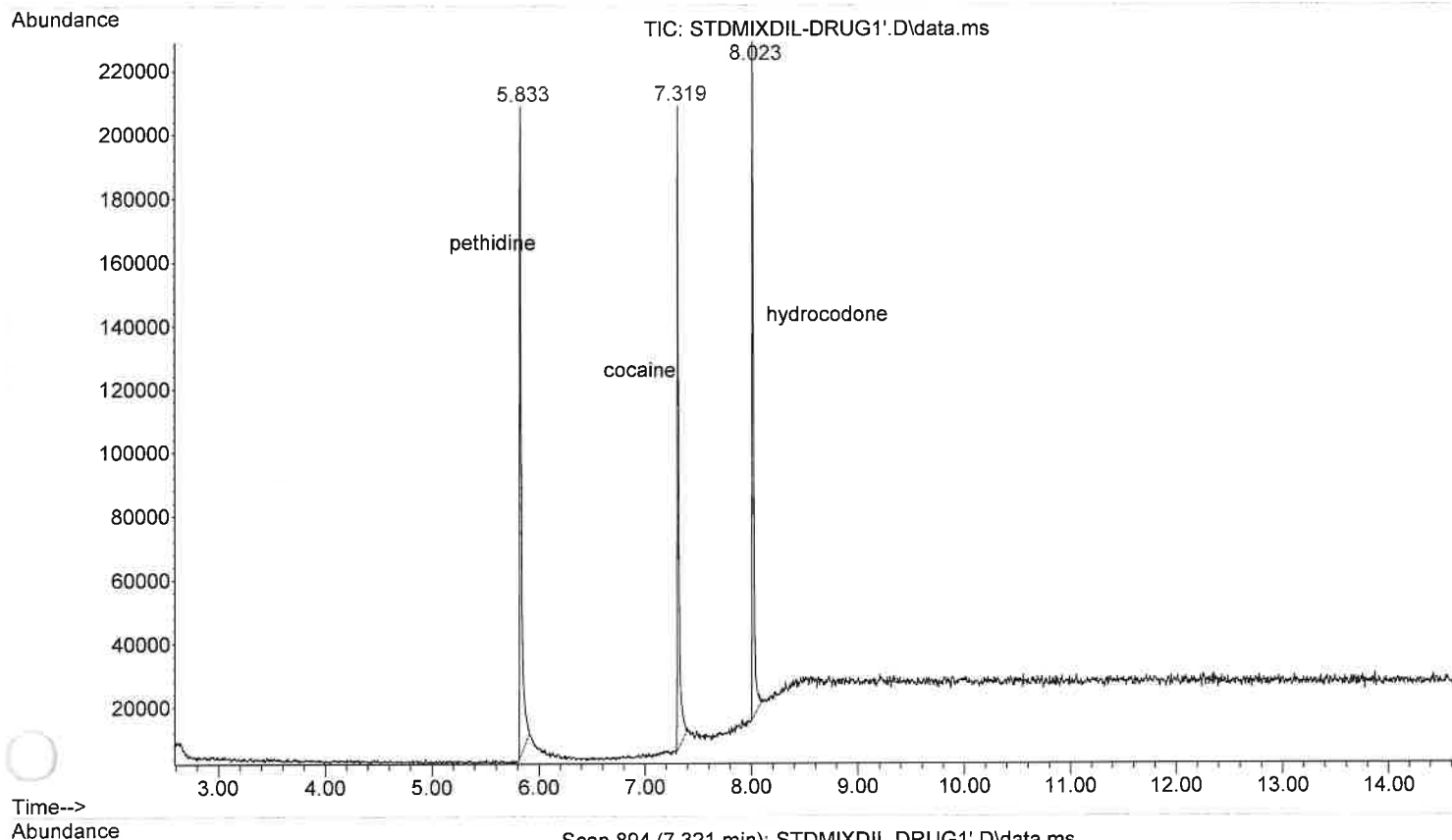
File :C:\MassHunter\GCMS\1\data\August 2024\STDMIX-DRUG1-b.D
Operator :
Acquired : 01 Aug 2024 12:18 using AcqMethod DRUG1.M
Instrument : Wall-E
Sample Name: std mix blank
Misc Info : CHCl3
Vial Number: 52



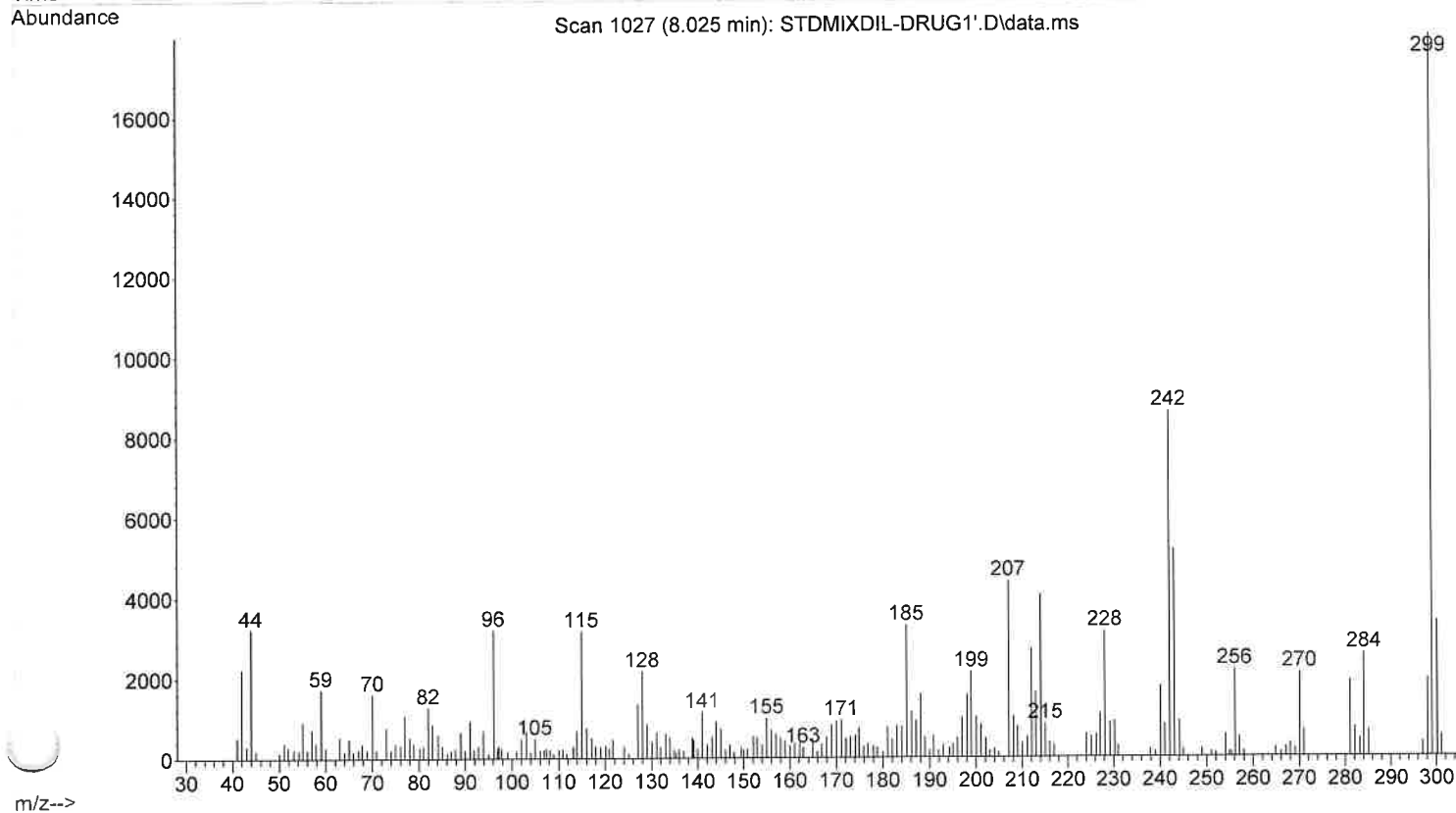
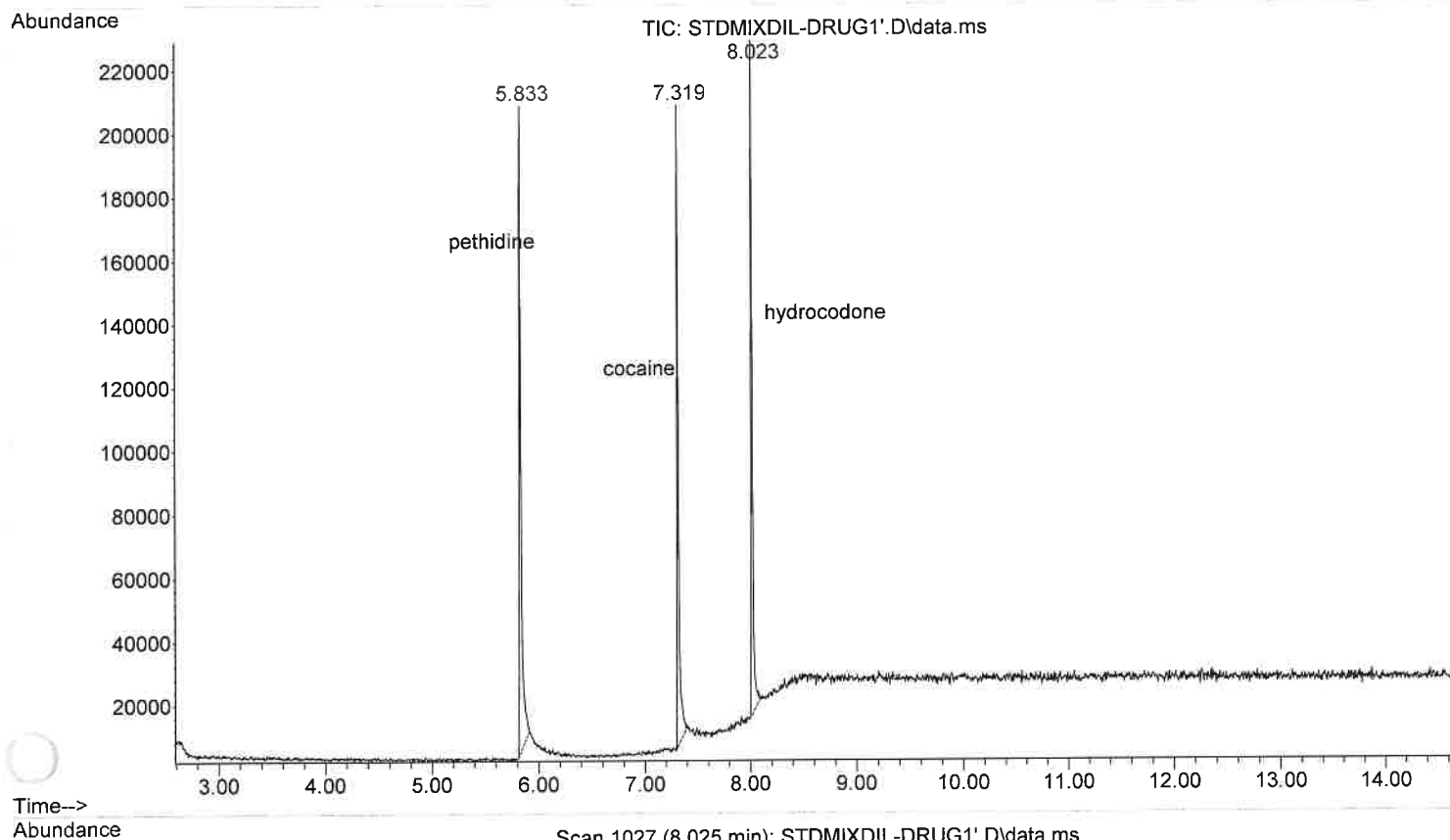
File :C:\MassHunter\GCMS\1\data\August 2024\STDMIXDIL-DRUG1'.D
Operator :
Acquired : 02 Aug 2024 14:38 using AcqMethod DRUG1.M
Instrument : Wall-E
Sample Name: std mix (dilute-JAW hood)
Misc Info : CHCl3
Vial Number: 55



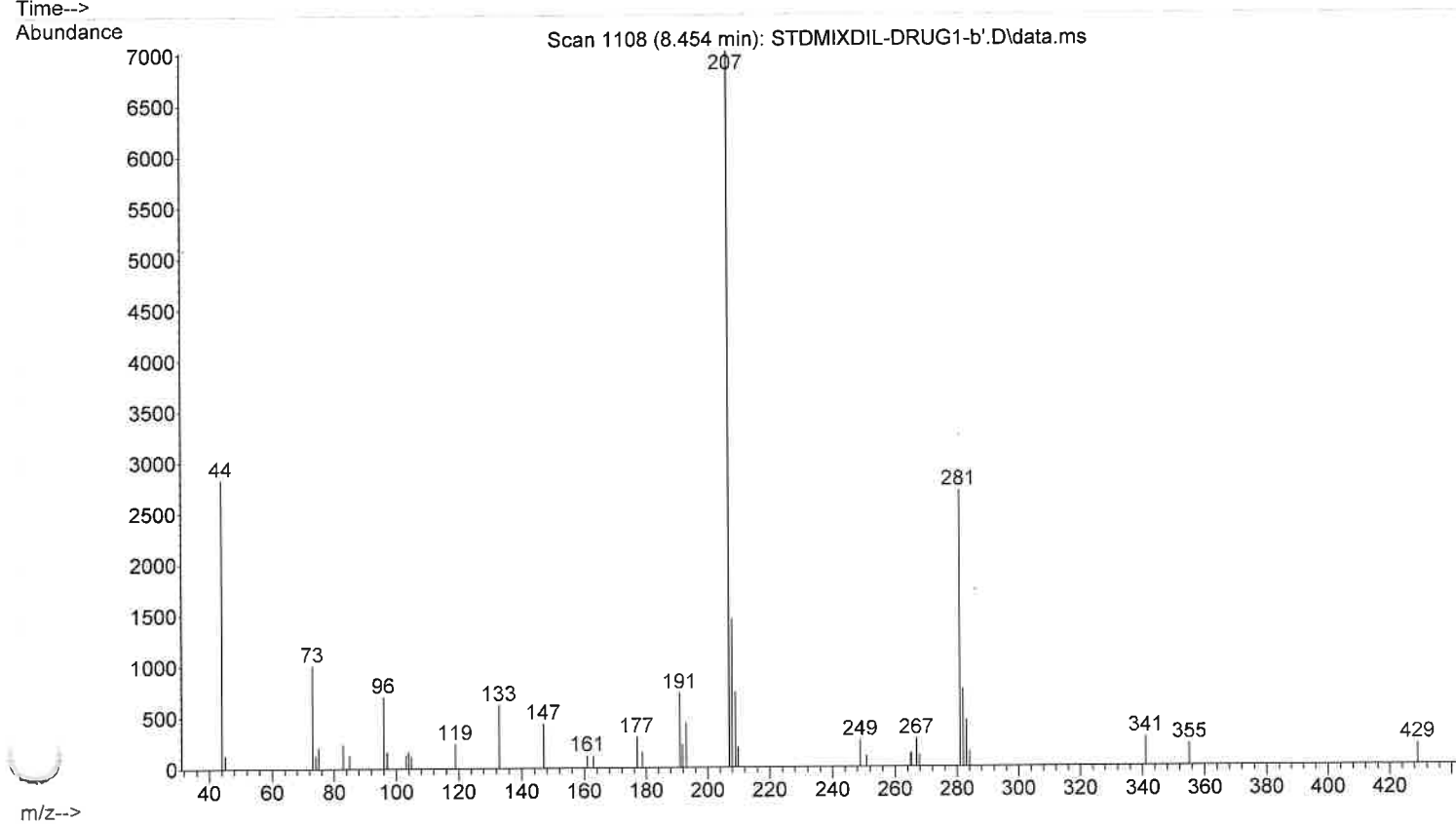
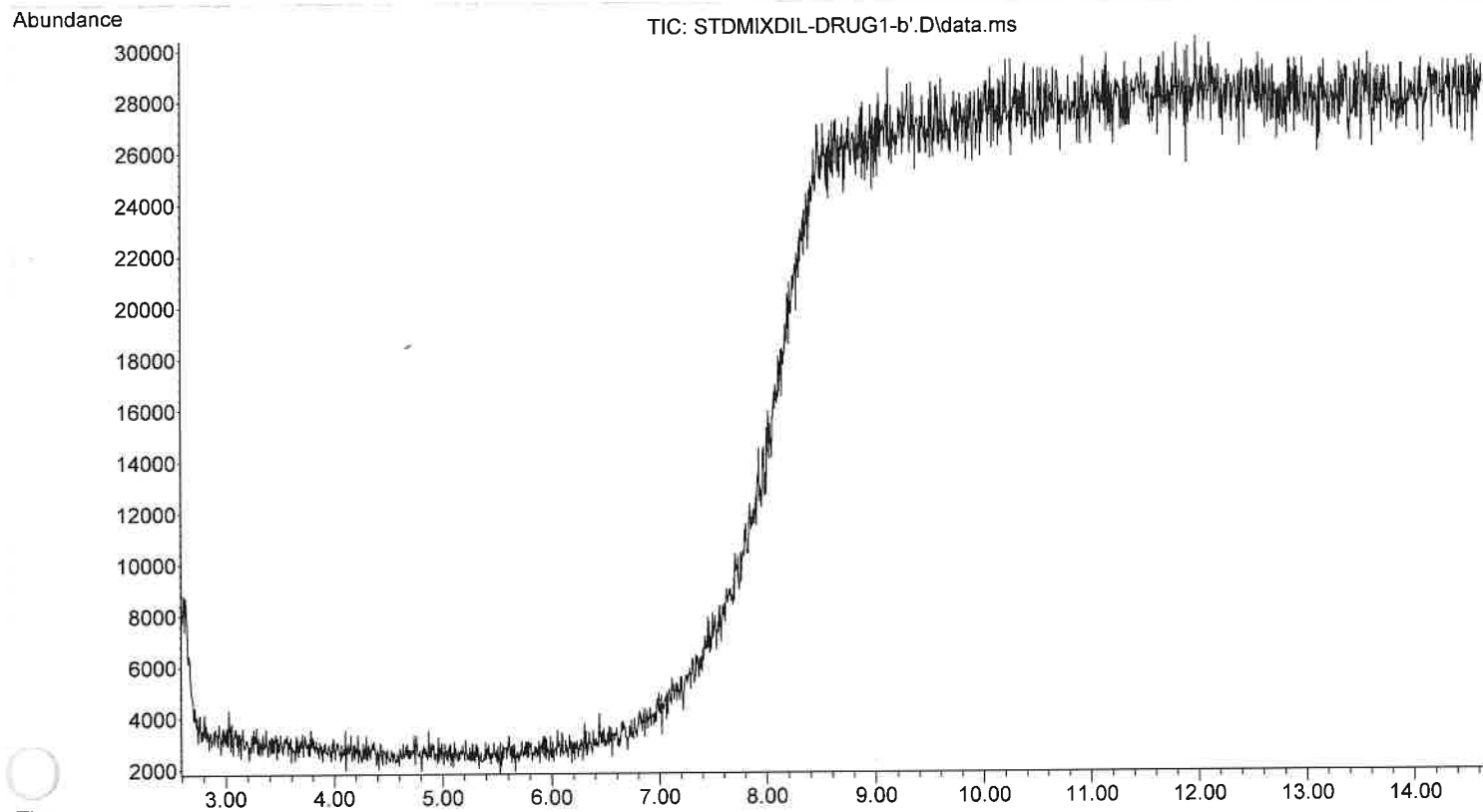
File :C:\MassHunter\GCMS\1\data\August 2024\STDMIXDIL-DRUG1'.D
Operator :
Acquired : 02 Aug 2024 14:38 using AcqMethod DRUG1.M
Instrument : Wall-E
Sample Name: std mix (dilute-JAW hood)
Misc Info : CHCl3
Vial Number: 55



File :C:\MassHunter\GCMS\1\data\August 2024\STDMIXDIL-DRUG1'.D
Operator :
Acquired : 02 Aug 2024 14:38 using AcqMethod DRUG1.M
Instrument : Wall-E
Sample Name: std mix (dilute-JAW hood)
Misc Info : CHCl3
Vial Number: 55



File :C:\MassHunter\GCMS\1\data\August 2024\STDMIXDIL-DRUG1-b'.D
Operator :
Acquired : 02 Aug 2024 14:20 using AcqMethod DRUG1.M
Instrument : Wall-E
Sample Name: std mix (dilute) blank
Misc Info : CHCl3
Vial Number: 54



METHOD CONTROL PARAMETERS

Method Information for: C:\MassHunter\GCMS\1\methods\LOWCON.M

Method Sections To Run:

- () Save Copy of Method With Data
- () Instrument Control Pre-Run Cmd/Macro =
- () Data Analysis Pre-Run Cmd/Macro =
- (X) Data Acquisition
- (X) Data Analysis
- () Instrument Control Post-Run Cmd/Macro =
- () Data Analysis Post-Run Cmd/Macro =

Method Comments:

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	C:\MassHunter\GCMS\1\methods\LOWCON.M
Tune file	ATUNE.U
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
Acquisition Type	Scan
Stop time (min)	10.00
Solvent delay (min)	2.50
Trace Ion Detection	False
Gain Factor	1
EM Saver	False
EM Saver Limit	N/A

Scan Time Segments

Time	Start Mass	End Mass	Threshold	Scan Speed
2.50	40	500	150	1,562 [N=2]

Timed Events

Time	Type of Event	Parameter
------	---------------	-----------

Real-Time Plots

Type of Plot	Label	Low Mass	High Mass
Total Ion	N/A	N/A	N/A
Spectrum	N/A	N/A	N/A
Extracted Ion	Scan 1-1	50	550

Self-Cleaning Ion Source Parameters

Mode	No Cleaning
------	-------------

C:\MassHunter\GCMS\1\methods\LOWCON.M

Mon Aug 05 15:22:33 2024

Control Information

Sample Inlet : GC
Injection Source : GC ALS
Injection Location: Front
Mass Spectrometer : Enabled

No Sample Prep method has been assigned to this method.

GC
GC Summary
Run Time 14.667 min
Post Run Time 0 min

Oven
Temperature
Setpoint On
(Initial) 80 °C
Hold Time 2 min
Post Run 50 °C
Program
#1 Rate 30 °C/min
#1 Value 280 °C
#1 Hold Time 6 min

Equilibration Time 0.5 min
Temperature 325 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 1
Solvent A Washes (PostInj) 1
Solvent A Volume 8 µL
Solvent B Washes (PreInj) 1
Solvent B Washes (PostInj) 1
Solvent B Volume 8 µL
Sample Washes 1
Sample Wash Volume 8 µL
Sample Pumps 1
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 300 µL/min
Solvent Wash Dispense Speed 3000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 3000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.2 µL

Solvent Wash Mode

A, B

Back Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 0
Solvent A Washes (PostInj) 0
Solvent A Volume 8 µL
Solvent B Washes (PreInj) 0
Solvent B Washes (PostInj) 0
Solvent B Volume 8 µL
Sample Washes 0
Sample Wash Volume 8 µL
Sample Pumps 6
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 300 µL/min
Solvent Wash Dispense Speed 3000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 3000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.2 µL
Solvent Wash Mode A, B

Sample Overlap
Mode

Sample overlap is not enabled

ALS Errors

Pause for user interaction

Front SS Inlet He
Mode
Heater
Pressure
Total Flow
Septum Purge Flow
Septum Purge Flow Mode
Gas Saver
Purge Flow to Split Vent
Liner

Splitless
On 250 °C
On 9.1608 psi
On 43.7 mL/min
Off
Standard
Off
42.7 mL/min at 1 min
A Liner has not been selected.

Back SS Inlet He
Excluded from Readiness
Mode
Heater
Pressure
Total Flow
Septum Purge Flow
Gas Saver
Split Ratio
Split Flow
Liner

Excluded from Affecting GC's Readiness State
Split
Off
Off
Off
On 3 mL/min
Off
100 :1
358.6 mL/min
A Liner has not been selected.

Thermal Aux 2 (MSD Transfer Line)
Temperature
Setpoint
(Initial)

On
280 °C

Column
Column #1
Flow

Setpoint	On
(Initial)	1 mL/min
Post Run	1.2439 mL/min
Column Information	Agilent 128-0112
DB-1MS	
Temperature Range	-60 °C-340 °C (360 °C)
Dimensions	12 m x 200 µm x 0.33 µm
In	Front SS Inlet He
Out	MSD
(Initial)	80 °C
Pressure	9.1608 psi
Flow	1 mL/min
Average Velocity	58.448 cm/sec
Holdup Time	0.34218 min
Control Mode	Constant Flow
Column #2	
Pressure	Off
Setpoint	10 psi
(Initial)	10 psi
Post Run	
Column Information	J&W 19091Z-211
HP-1	
Temperature Range	-60 °C-325 °C (325 °C)
Dimensions	15 m x 320 µm x 1 µm
In	Back SS Inlet He
Out	Front Detector FID
(Initial)	80 °C
Pressure	10 psi
Flow	3.586 mL/min
Average Velocity	65.107 cm/sec
Holdup Time	0.38399 min
Control Mode	Constant Pressure
Column Outlet Pressure	0 psi
Front Detector FID	
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Makeup	He
Heater	Off
H2 Flow	Off
Air Flow	Off
Makeup Flow	Off
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	Off
Signals	
Signal #1: Test Plot	Test Plot
Description	Off
Save	50 Hz
Data Rate	Front Sample
Dual Injection Assignment	
Signal #2:	
Description	None
Signal #3:	
Description	None
Signal #4:	
Description	None

TUNE PARAMETERS for SN: US10423610

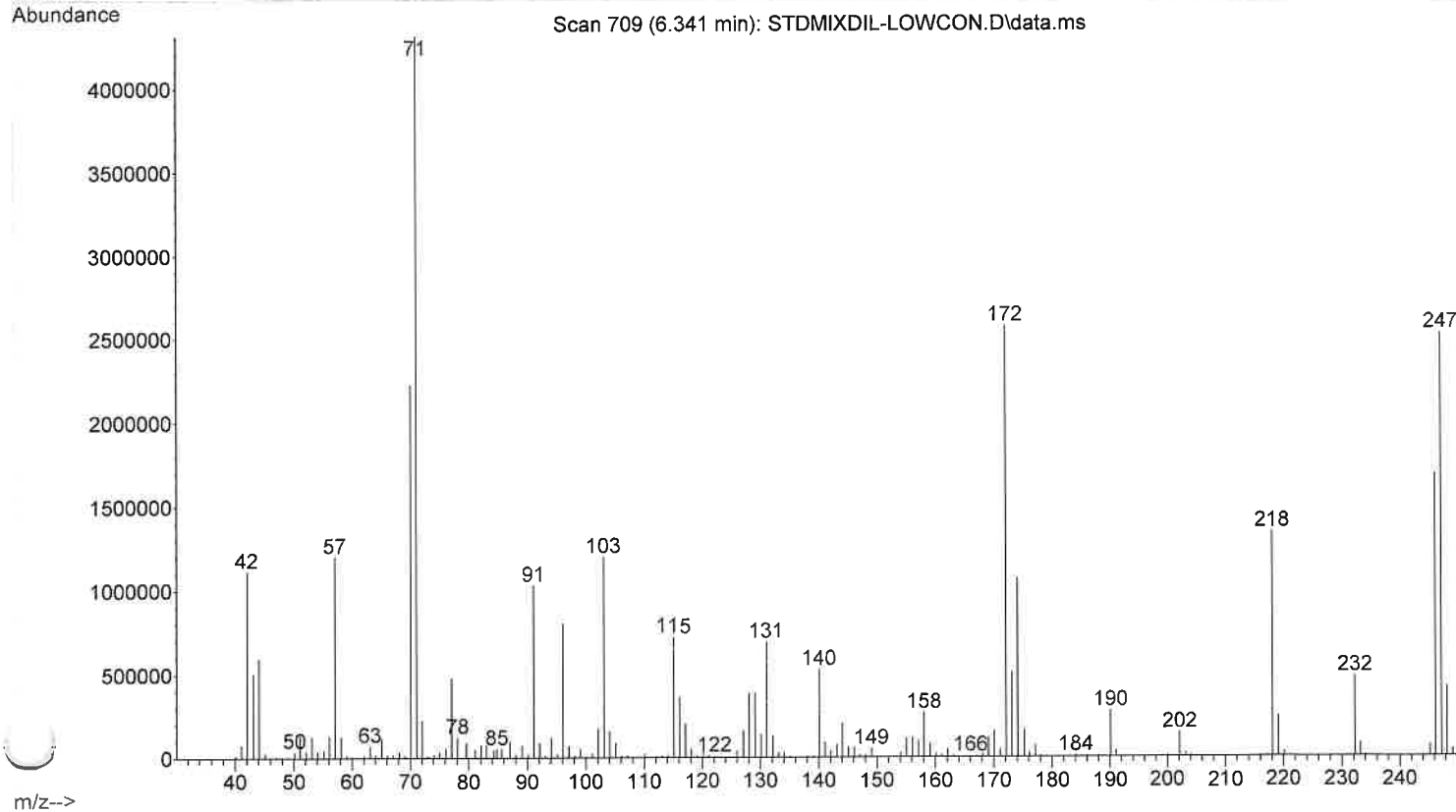
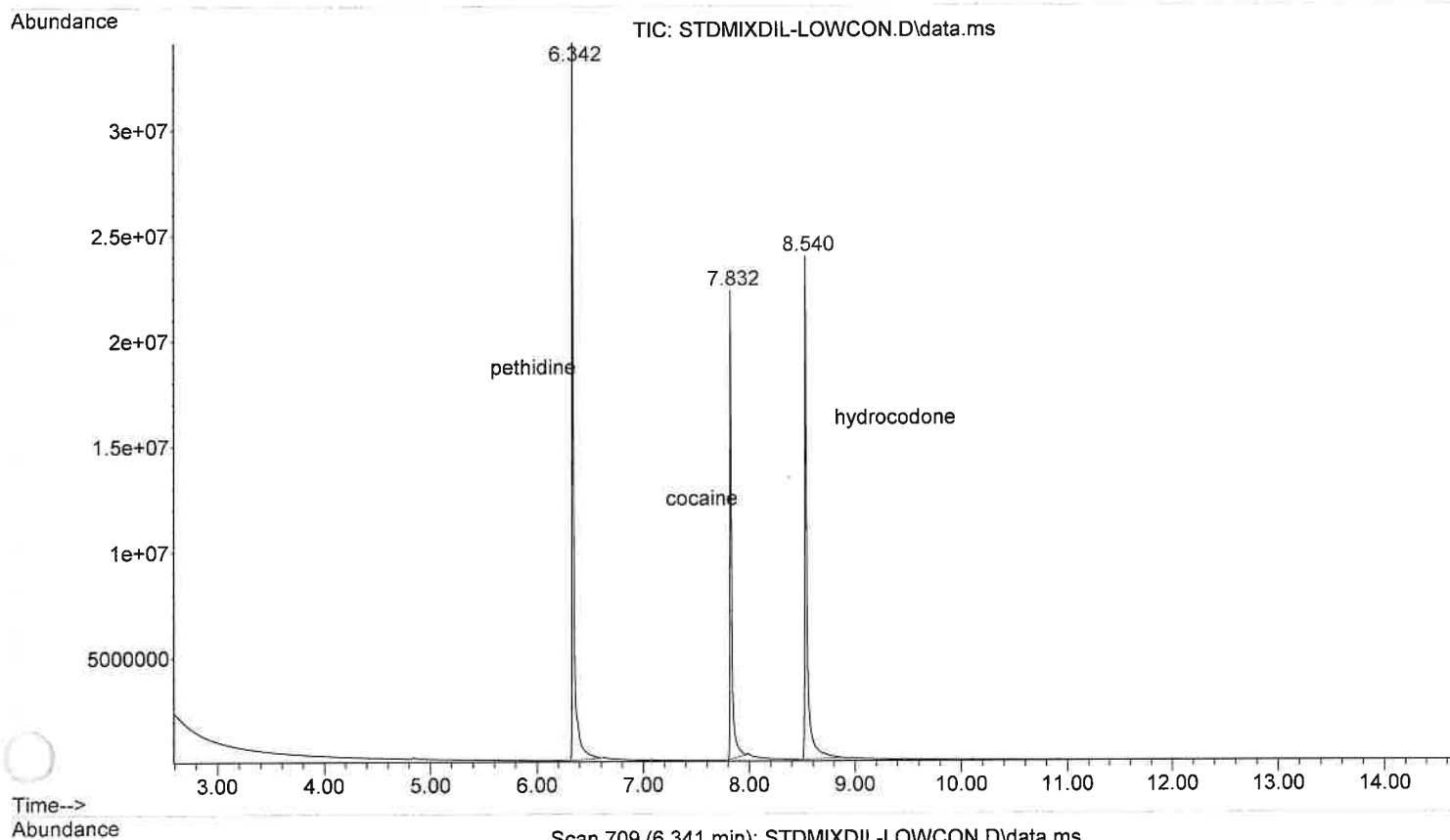
Trace Ion Detection is OFF.

34.610	:	EMISSION	
70.347	:	ENERGY	
30.924	:	REPELLER	
89.208	:	IONFOCUS	
22.000	:	ENTRANCE LENS	
1235.294	:	EMVOLTS	
		1235.294	: Actual EMV
		0.30	: GAIN FACTOR
2138.000	:	AMUGAIN	
121.625	:	AMUOFFSET	
2.000	:	FILAMENT	
0.000	:	DCPOLARITY	
19.075	:	ENTLENSOFFSET	
-586.000	:	MASSGAIN	
-38.000	:	MASSOFFSET	

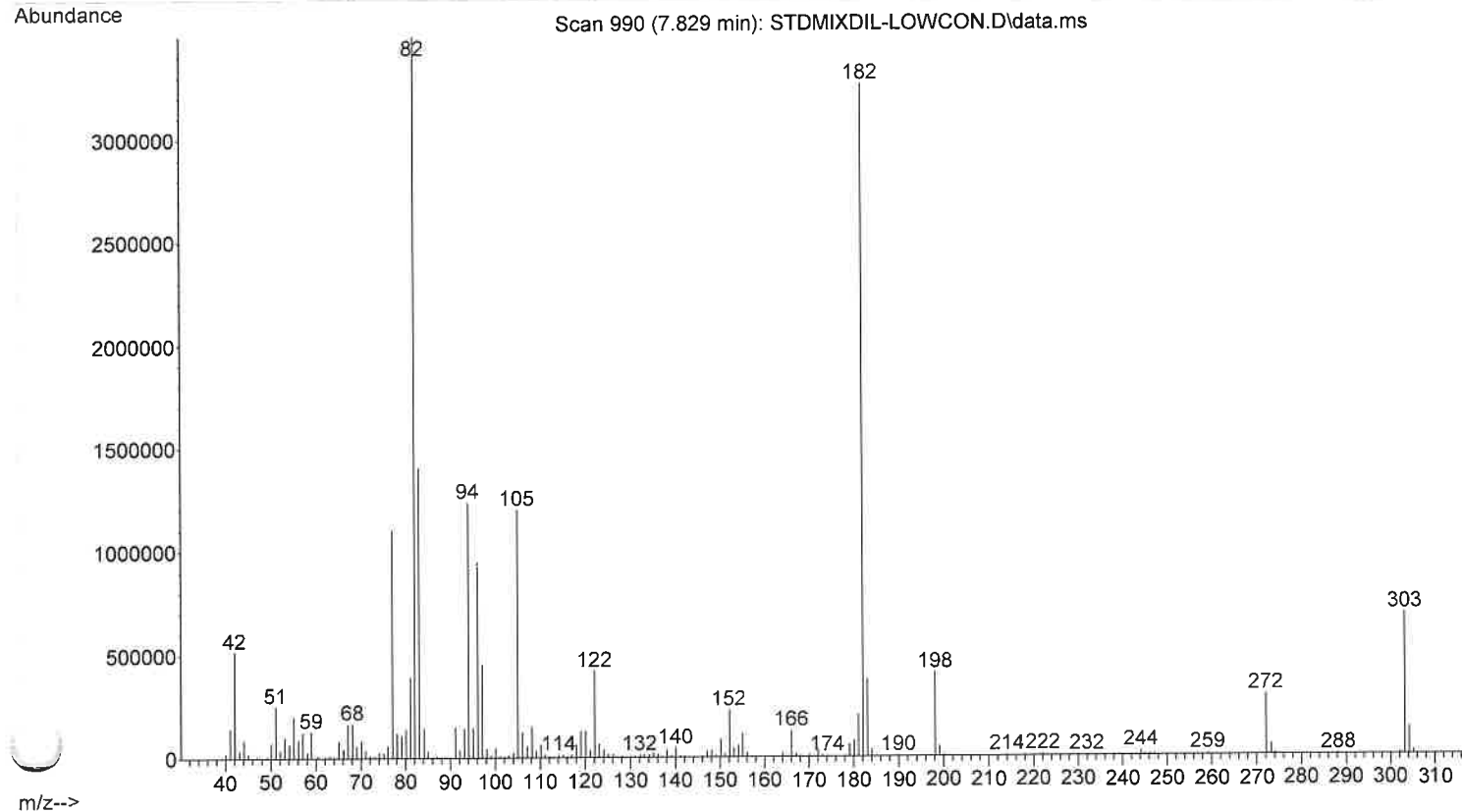
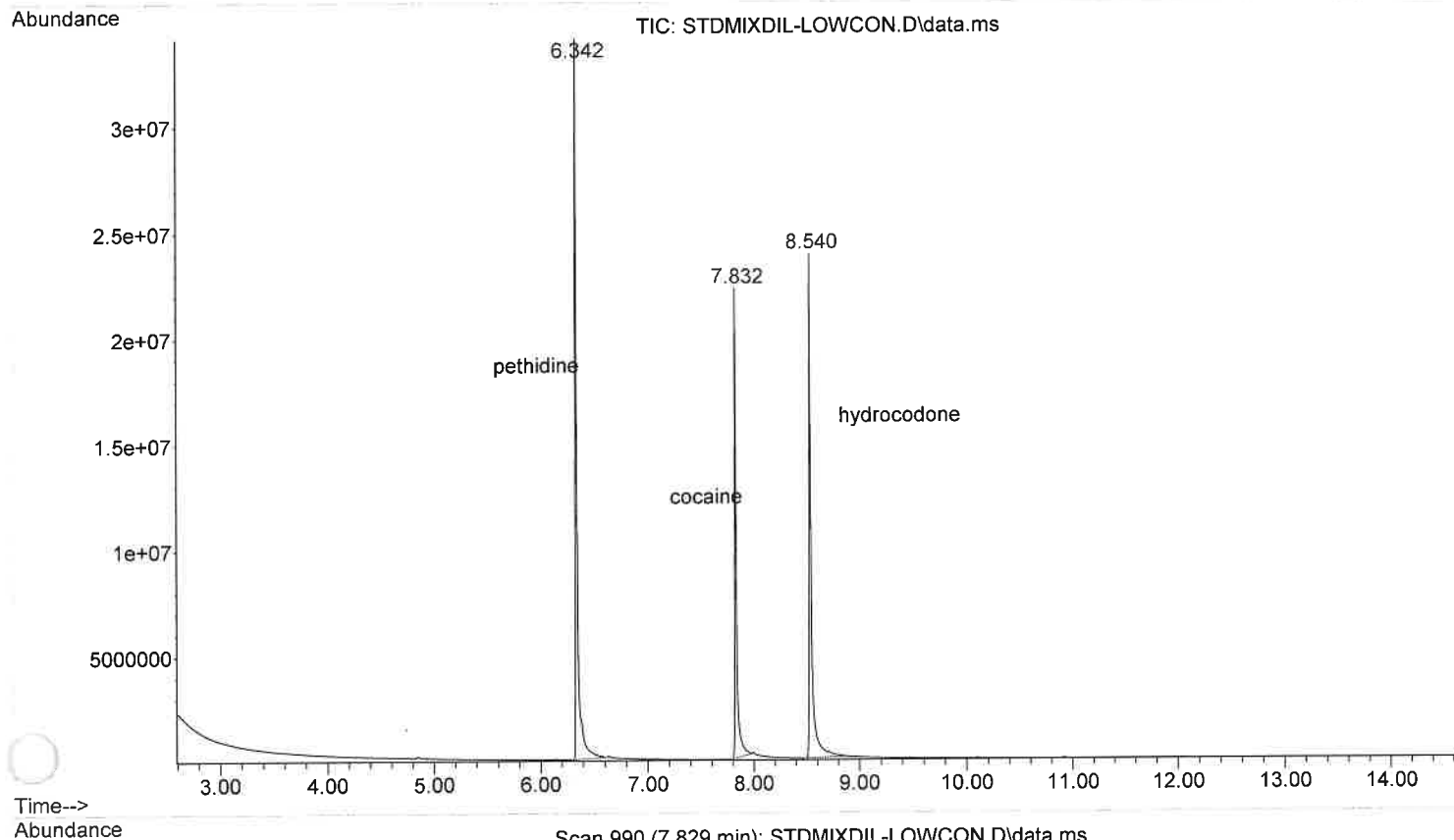
END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

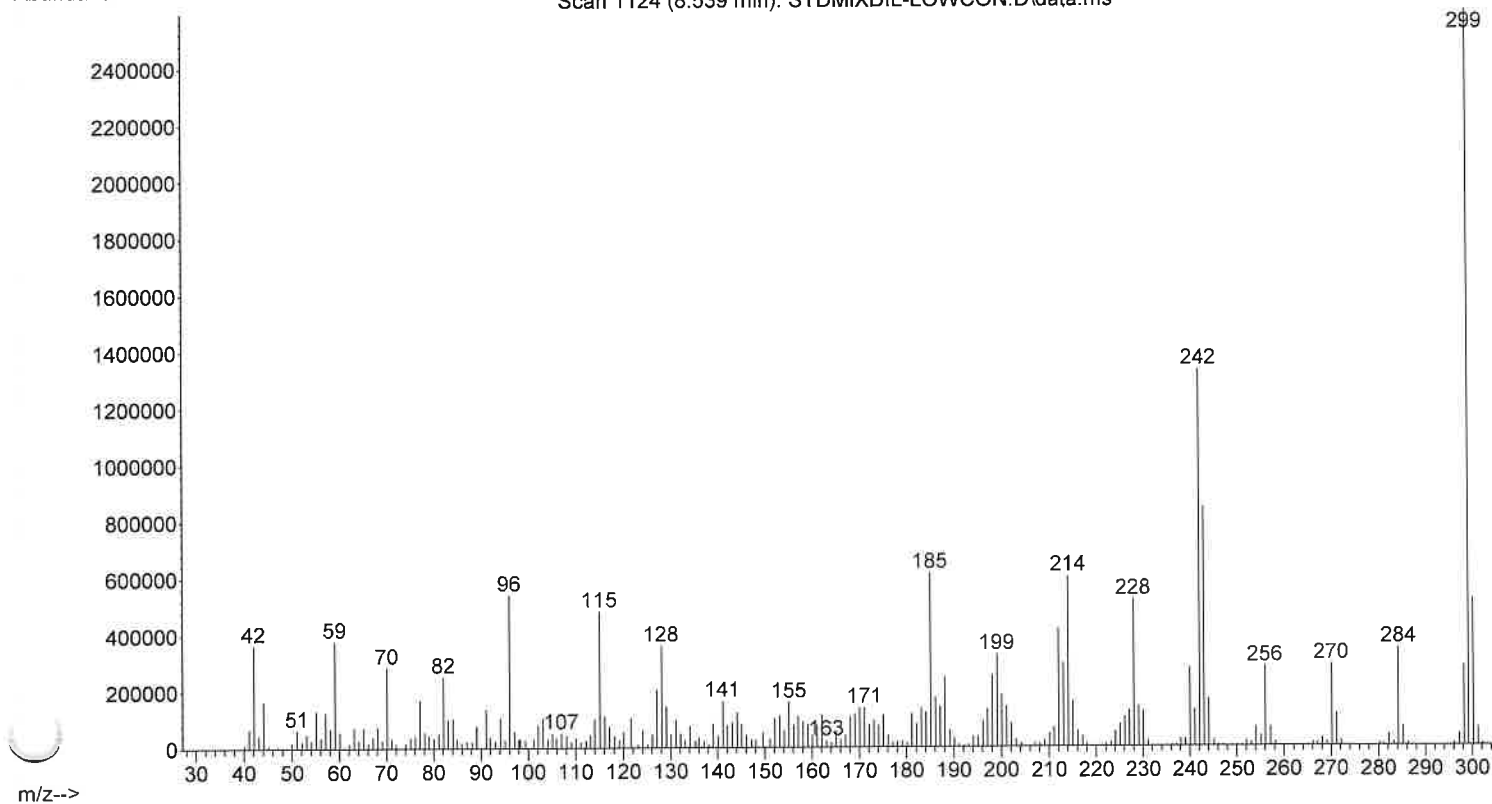
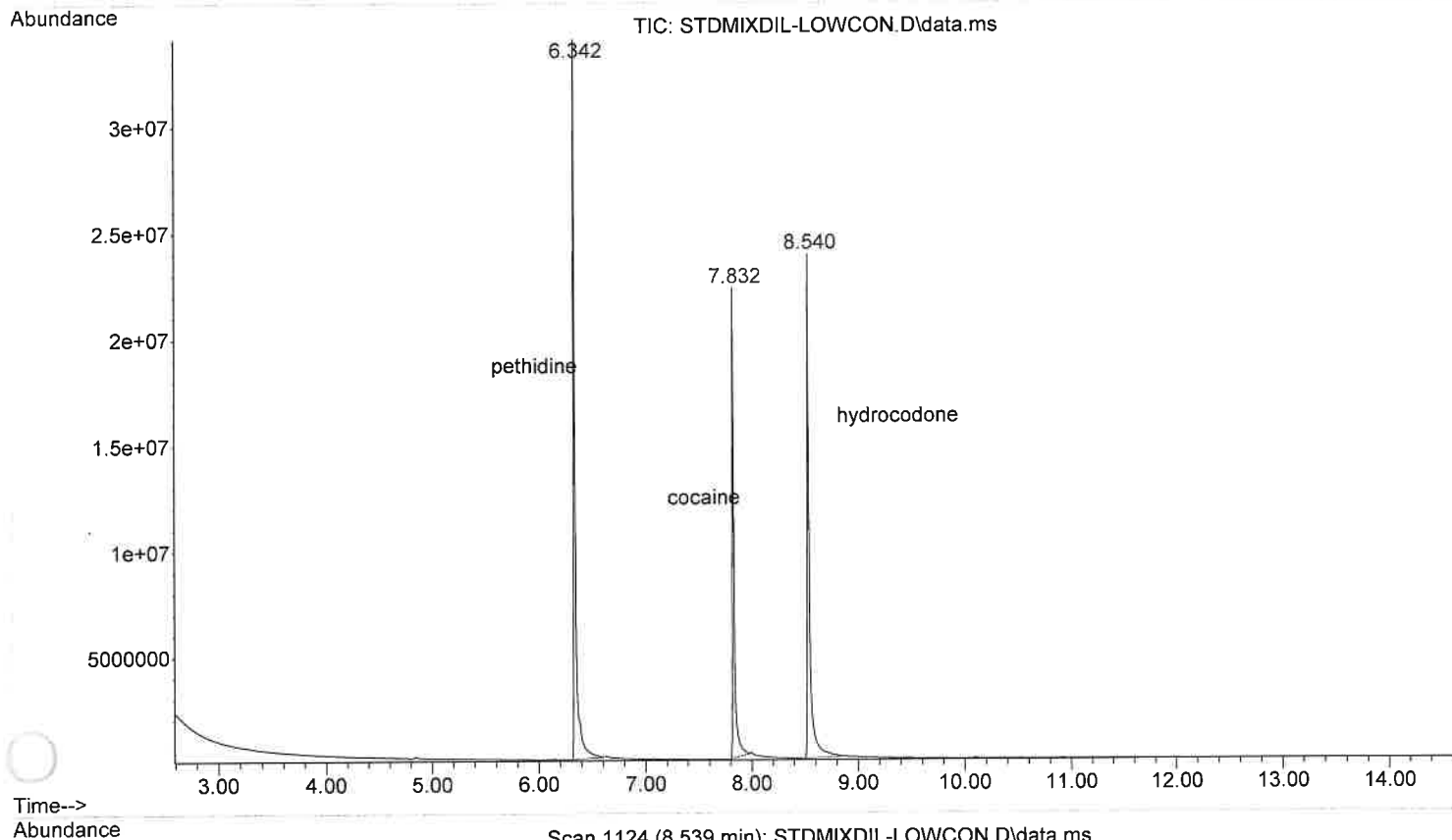
File :C:\MassHunter\GCMS\1\data\August 2024\STDMIXDIL-LOWCON.D
Operator :
Acquired : 02 Aug 2024 15:49 using AcqMethod LOWCON.M
Instrument : Wall-E
Sample Name: std mix (dilute-JAW hood)
Misc Info : CHCl3
Vial Number: 55



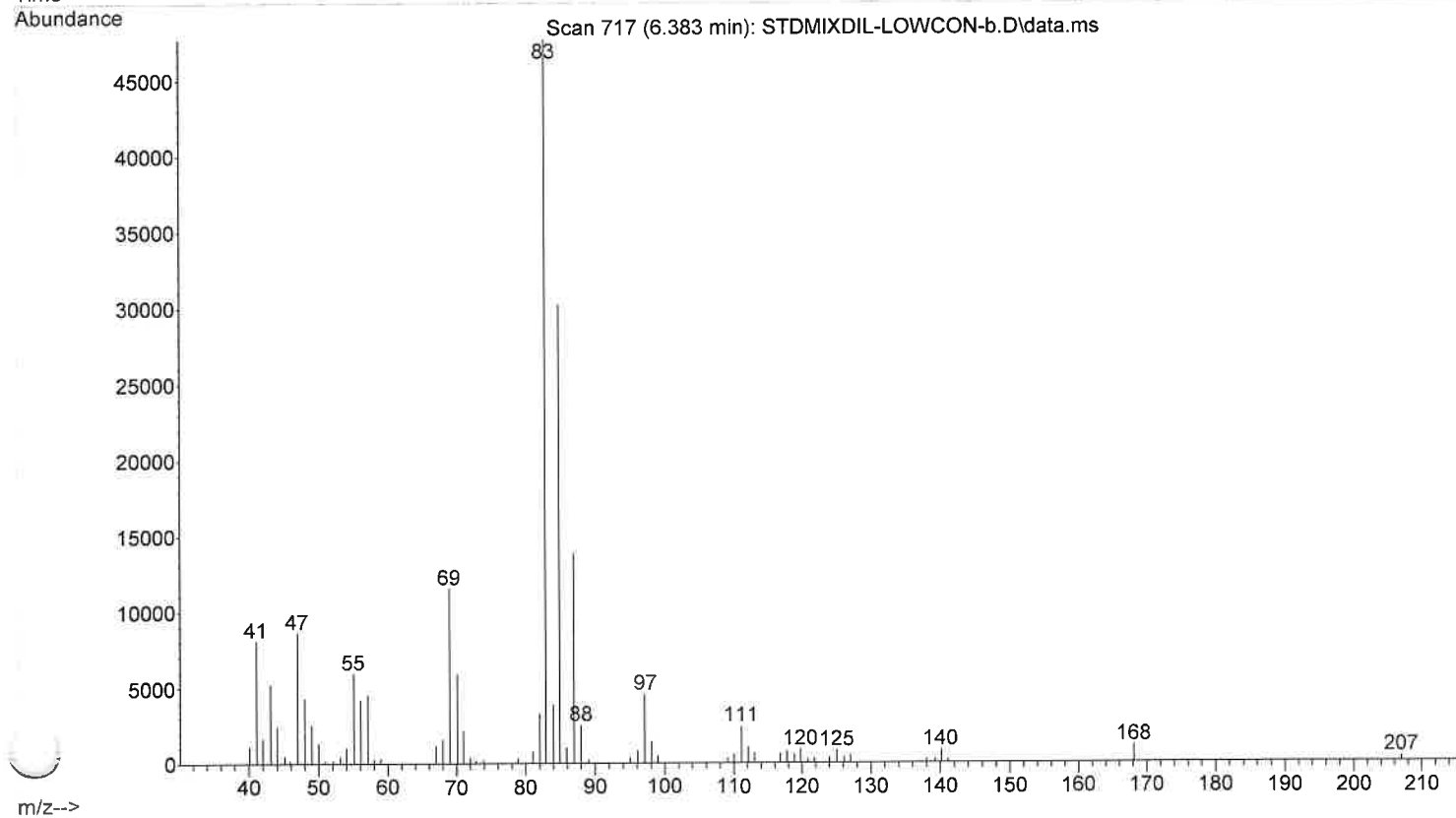
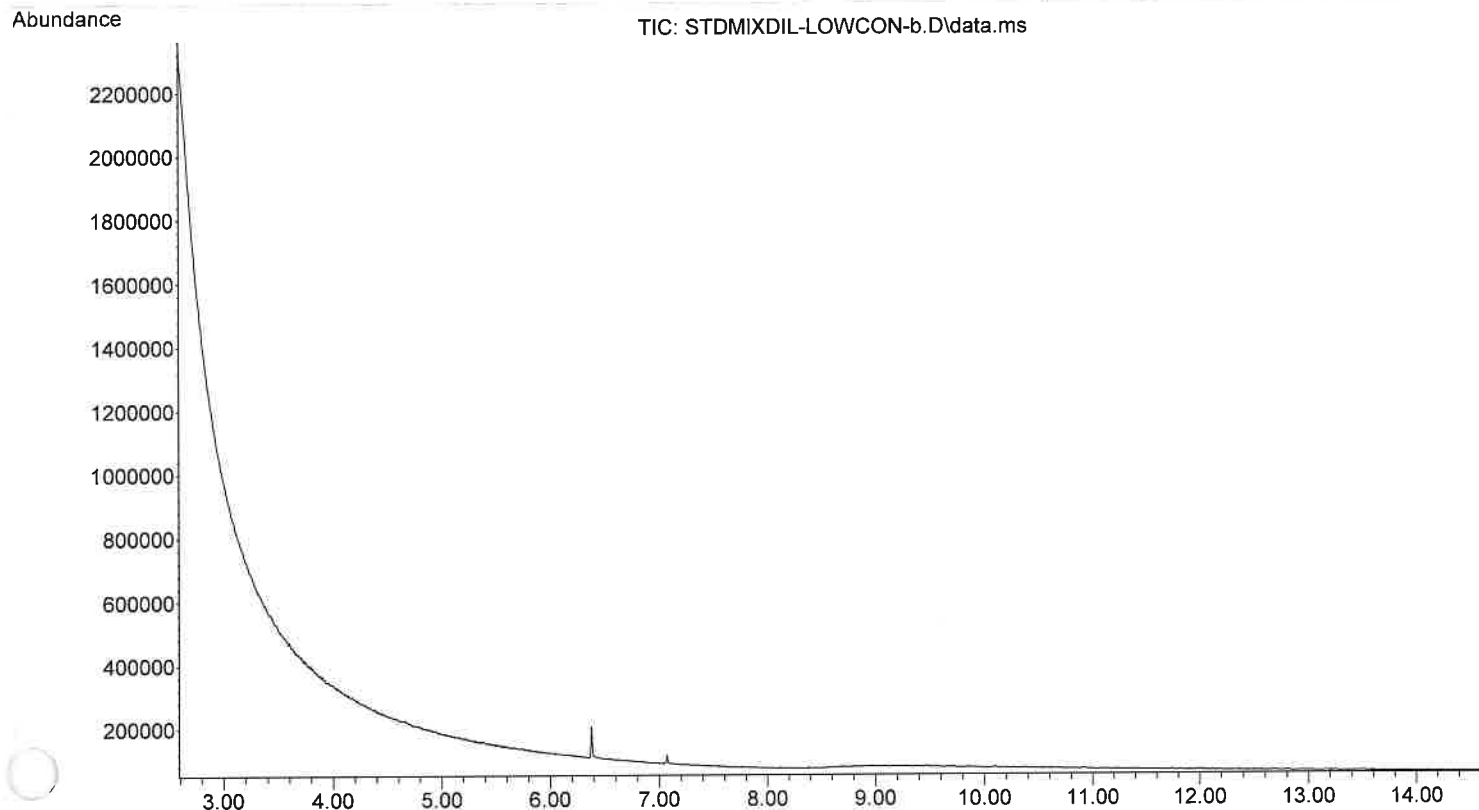
File :C:\MassHunter\GCMS\1\data\August 2024\STDMIXDIL-LOWCON.D
Operator :
Acquired : 02 Aug 2024 15:49 using AcqMethod LOWCON.M
Instrument : Wall-E
Sample Name: std mix (dilute-JAW hood)
Misc Info : CHCl3
Vial Number: 55



File :C:\MassHunter\GCMS\1\data\August 2024\STDMIXDIL-LOWCON.D
Operator :
Acquired : 02 Aug 2024 15:49 using AcqMethod LOWCON.M
Instrument : Wall-E
Sample Name: std mix (dilute-JAW hood)
Misc Info : CHCl3
Vial Number: 55



File :C:\MassHunter\GCMS\1\data\August 2024\STDMIXDIL-LOWCON-b.D
Operator :
Acquired : 02 Aug 2024 15:31 using AcqMethod LOWCON.M
Instrument : Wall-E
Sample Name: std mix (dilute) blank
Misc Info : CHCl3
Vial Number: 54



METHOD CONTROL PARAMETERS

Method Information for: C:\MassHunter\GCMS\1\methods\GHB.M

Method Sections To Run:

- () Save Copy of Method With Data
- () Instrument Control Pre-Run Cmd/Macro =
- () Data Analysis Pre-Run Cmd/Macro =
- (X) Data Acquisition
- (X) Data Analysis
- () Instrument Control Post-Run Cmd/Macro =
- () Data Analysis Post-Run Cmd/Macro =

Method Comments:

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	C:\MassHunter\GCMS\1\methods\GHB.M
Tune file	ATUNE.U
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
Acquisition Type	Scan
Stop time (min)	10.00
Solvent delay (min)	0.00
Trace Ion Detection	False
Gain Factor	1
EM Saver	False
EM Saver Limit	N/A

Scan Time Segments

Time	Start Mass	End Mass	Threshold	Scan Speed
0.00	40	500	150	1,562 [N=2]

Timed Events

Time	Type of Event	Parameter
------	---------------	-----------

Real-Time Plots

Type of Plot	Label	Low Mass	High Mass
Total Ion	N/A	N/A	N/A
Spectrum	N/A	N/A	N/A
Extracted Ion	Scan 1-1	50	550

Self-Cleaning Ion Source Parameters

Mode	No Cleaning
------	-------------

C:\MassHunter\GCMS\1\methods\GHB.M

Mon Aug 05 15:21:59 2024

Control Information

Sample Inlet : GC
Injection Source : GC ALS
Injection Location: Front
Mass Spectrometer : Enabled

No Sample Prep method has been assigned to this method.

GC
GC Summary
Run Time 14.667 min
Post Run Time 0 min

Oven
Temperature
Setpoint On
(Initial) 80 °C
Hold Time 1 min
Post Run 50 °C
Program
#1 Rate 30 °C/min
#1 Value 280 °C
#1 Hold Time 7 min

Equilibration Time 0 min
Temperature 325 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 1
Solvent A Washes (PostInj) 1
Solvent A Volume 8 µL
Solvent B Washes (PreInj) 1
Solvent B Washes (PostInj) 1
Solvent B Volume 8 µL
Sample Washes 0
Sample Wash Volume 8 µL
Sample Pumps 2
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 300 µL/min
Solvent Wash Dispense Speed 3000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 3000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.2 µL

Solvent Wash Mode	A, B
Back Injector	
Syringe Size	10 µL
Injection Volume	1 µL
Solvent A Washes (PreInj)	0
Solvent A Washes (PostInj)	0
Solvent A Volume	8 µL
Solvent B Washes (PreInj)	0
Solvent B Washes (PostInj)	0
Solvent B Volume	8 µL
Sample Washes	0
Sample Wash Volume	8 µL
Sample Pumps	6
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	3000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	3000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Solvent Wash Mode	A, B
Sample Overlap Mode	Sample overlap is not enabled
ALS Errors	Pause for user interaction
Front SS Inlet He Mode	Split
Heater	On 250 °C
Pressure	On 11.438 psi
Total Flow	On 40.2 mL/min
Septum Purge Flow	On 3 mL/min
Gas Saver	Off
Split Ratio	30 :1
Split Flow	36 mL/min
Liner	A Liner has not been selected.
Back SS Inlet He Mode	***Excluded from Affecting GC's Readiness State***
Excluded from Readiness	Split
Heater	Off
Pressure	Off
Total Flow	Off
Septum Purge Flow	Off
Gas Saver	Off
Split Ratio	100 :1
Split Flow	358.6 mL/min
Liner	A Liner has not been selected.
Thermal Aux 2 (MSD Transfer Line)	
Temperature	
Setpoint	On
(Initial)	280 °C
Column	
Column #1	
Flow	

Setpoint	On
(Initial)	1.2 mL/min
Post Run	1.2439 mL/min
Column Information	Agilent 128-0112
MS	
Temperature Range	-60 °C-340 °C (360 °C)
Dimensions	12 m x 200 µm x 0.33 µm
In	Front SS Inlet He
Out	MSD
(Initial)	80 °C
Pressure	11.438 psi
Flow	1.2 mL/min
Average Velocity	64.027 cm/sec
Holdup Time	0.31237 min
Control Mode	Constant Flow
Column #2	
Pressure	
Setpoint	Off
(Initial)	10 psi
Post Run	10 psi
Column Information	J&W 19091Z-211
HP-1	
Temperature Range	-60 °C-325 °C (325 °C)
Dimensions	15 m x 320 µm x 1 µm
In	Back SS Inlet He
Out	Front Detector FID
(Initial)	80 °C
Pressure	10 psi
Flow	3.586 mL/min
Average Velocity	65.107 cm/sec
Holdup Time	0.38399 min
Control Mode	Constant Pressure
Column Outlet Pressure	0 psi
Front Detector FID	
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Makeup	He
Heater	Off
H2 Flow	Off
Air Flow	Off
Makeup Flow	Off
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	Off
Signals	
Signal #1: Test Plot	
Description	Test Plot
Save	Off
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #2:	
Description	None
Signal #3:	
Description	None
Signal #4:	
Description	None

TUNE PARAMETERS for SN: US10423610

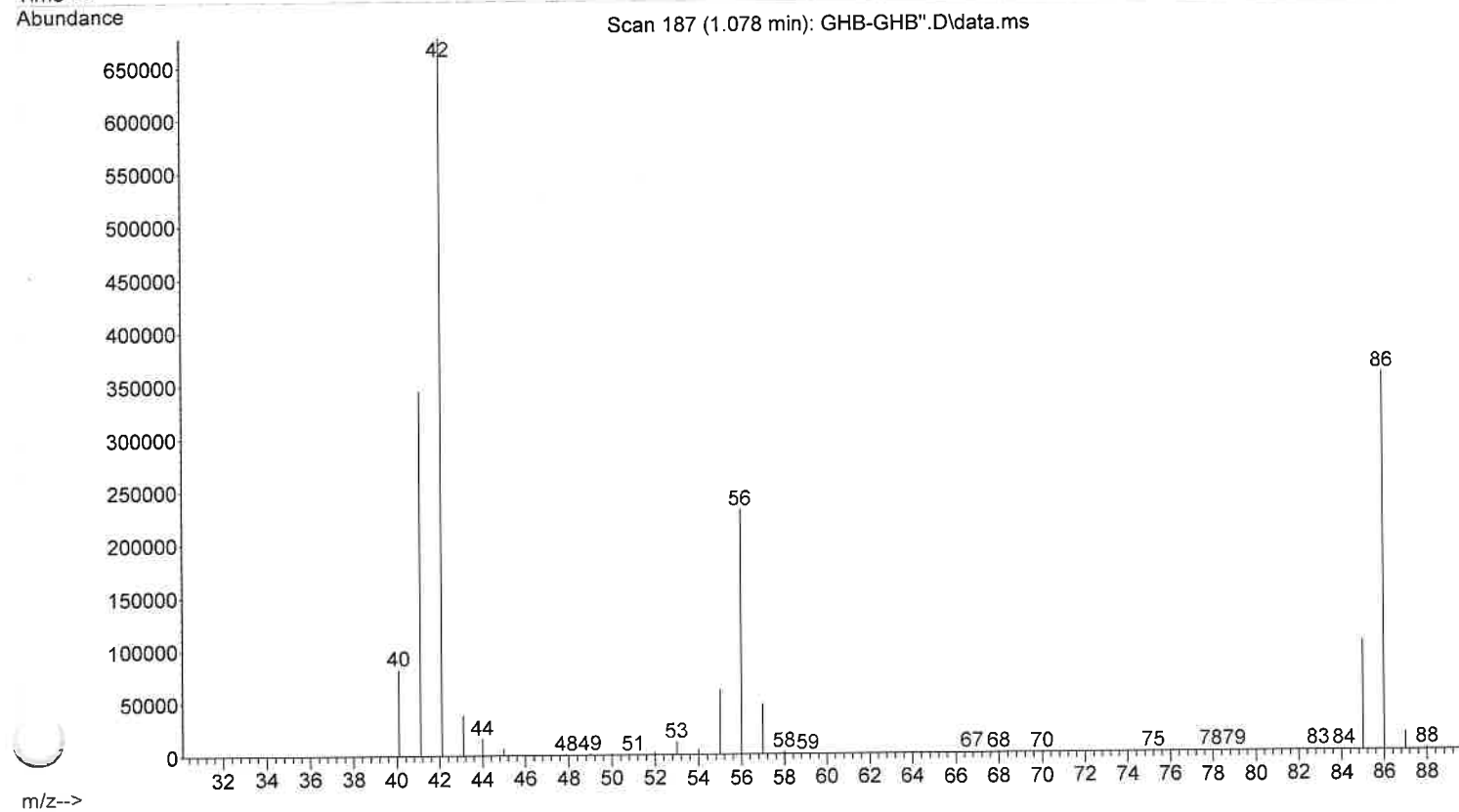
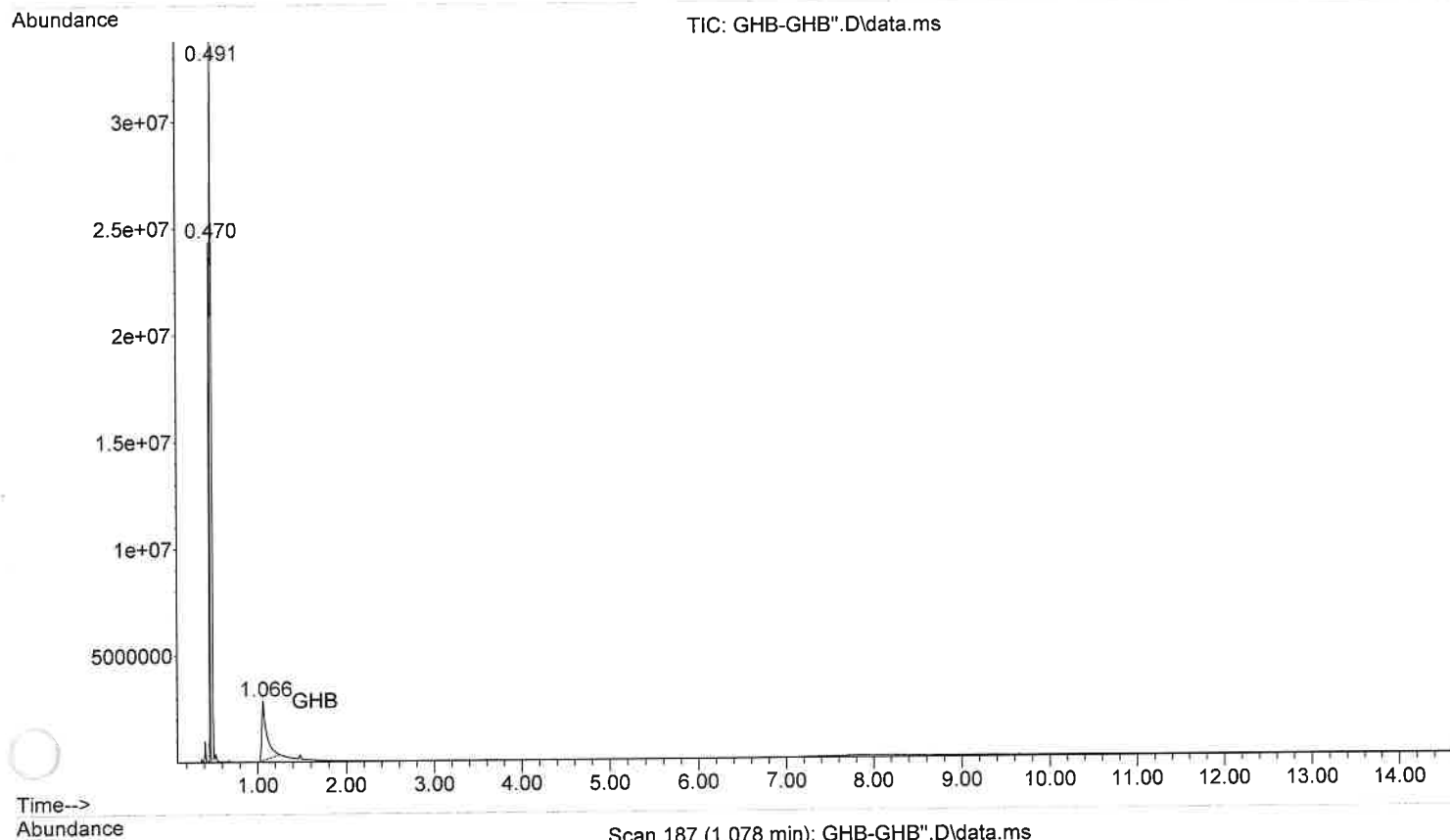
Trace Ion Detection is OFF.

34.610	:	EMISSION	
70.347	:	ENERGY	
30.924	:	REPELLER	
89.208	:	IONFOCUS	
22.000	:	ENTRANCE LENS	
1235.294	:	EMVOLTS	
		1235.294	: Actual EMV
		0.30	: GAIN FACTOR
2138.000	:	AMUGAIN	
121.625	:	AMUOFFSET	
2.000	:	FILAMENT	
0.000	:	DCPOLARITY	
19.075	:	ENTLENSOFFSET	
-586.000	:	MASSGAIN	
-38.000	:	MASSOFFSET	

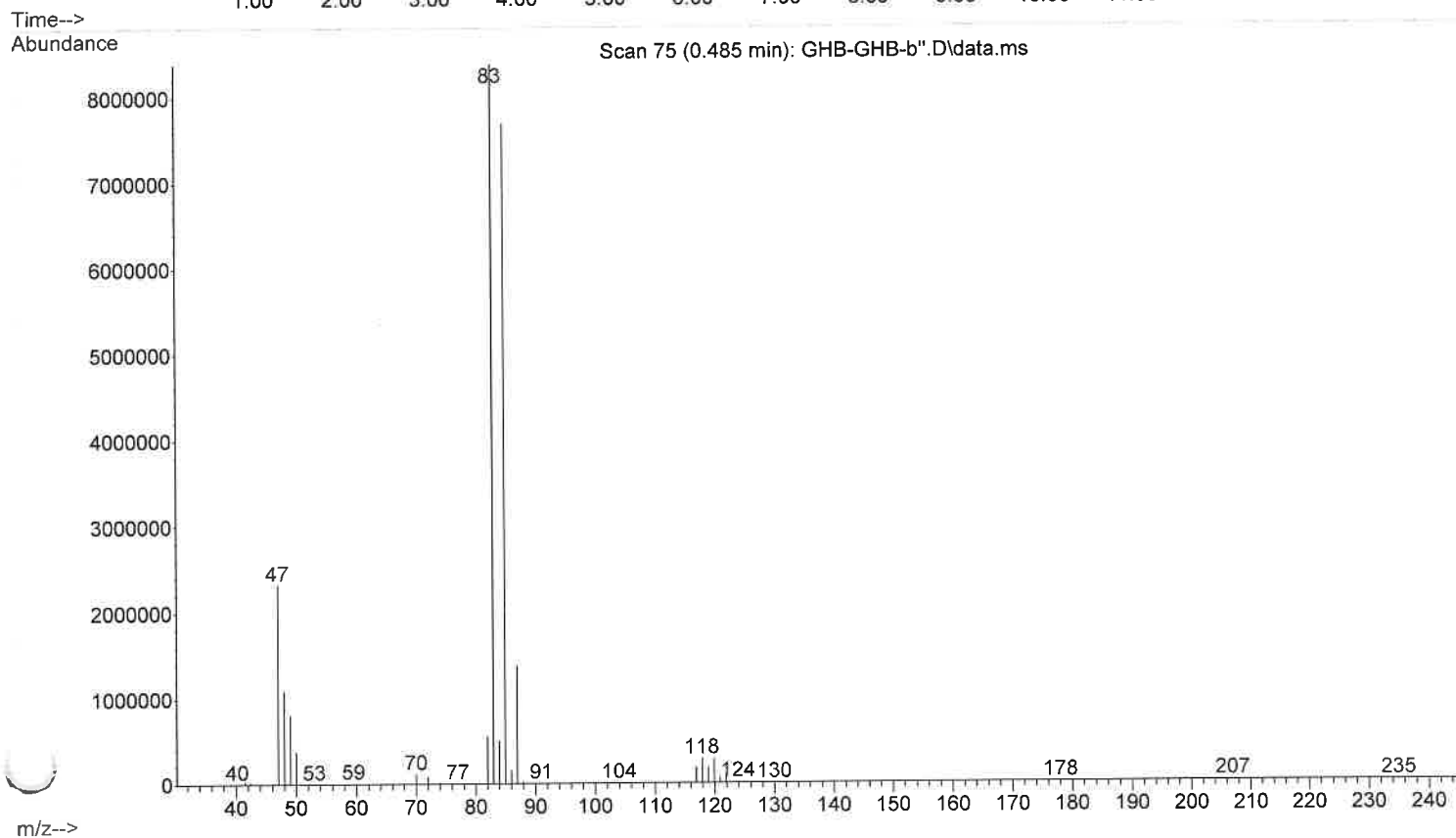
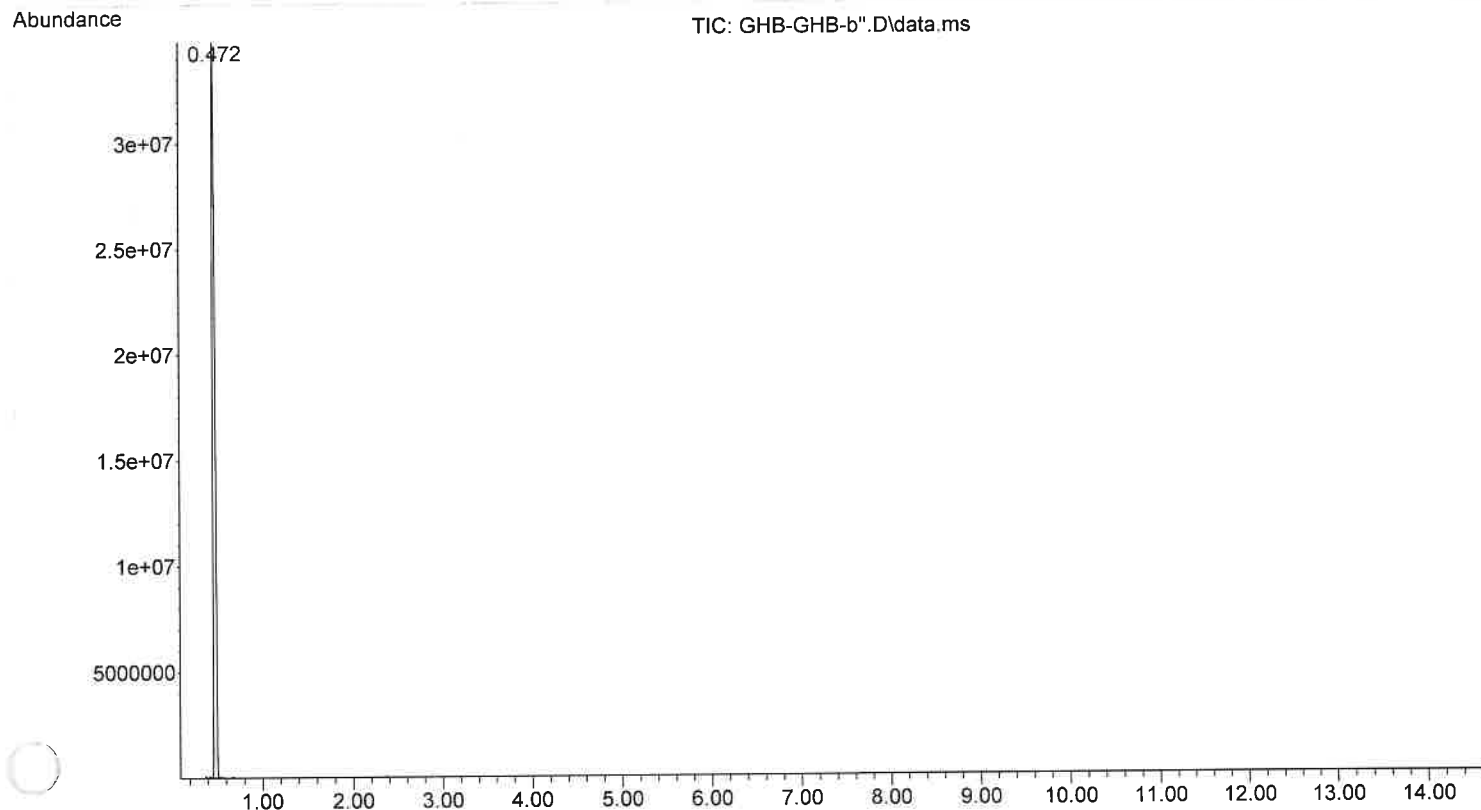
END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

File :C:\MassHunter\GCMS\1\data\August 2024\GHB-GHB''.D
Operator :
Acquired : 05 Aug 2024 13:00 using AcqMethod GHB.M
Instrument : Wall-E
Sample Name: GHB std
Misc info : MeOH
Vial number: 52



File :C:\MassHunter\GCMS\1\data\August 2024\GHB-GHB-b''.D
Operator :
Acquired : 05 Aug 2024 12:43 using AcqMethod GHB.M
Instrument : Wall-E
Sample Name: GHB std blank
Misc Info : MeOH
Vial Number: 51



METHOD CONTROL PARAMETERS

Method Information for: C:\MassHunter\GCMS\1\methods\OPIATE.M

Method Sections To Run:

- ☐ Save Copy of Method With Data
- ☐ Instrument Control Pre-Run Cmd/Macro =
- ☐ Data Analysis Pre-Run Cmd/Macro =
- ☒ Data Acquisition
- ☒ Data Analysis
- ☐ Instrument Control Post-Run Cmd/Macro =
- ☐ Data Analysis Post-Run Cmd/Macro =

Method Comments:

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	C:\MassHunter\GCMS\1\methods\OPIATE.M
Tune file	ATUNE.U
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
Acquisition Type	Scan
Stop time (min)	10.00
Solvent delay (min)	2.00
Trace Ion Detection	False
Gain Factor	1
EM Saver	False
EM Saver Limit	N/A

Scan Time Segments

Time	Start Mass	End Mass	Threshold	Scan Speed
2.00	40	500		150 1,562 [N=2]

Timed Events

Time	Type of Event	Parameter
------	---------------	-----------

Real-Time Plots

Type of Plot	Label	Low Mass	High Mass
Total Ion	N/A	N/A	N/A
Spectrum	N/A	N/A	N/A
Extracted Ion	Scan 1-1	50	550

Self-Cleaning Ion Source Parameters

Mode	No Cleaning
------	-------------

C:\MassHunter\GCMS\1\methods\OPIATE.M

Mon Aug 05 15:26:13 2024

Control Information

Sample Inlet : GC
Injection Source : GC ALS
Injection Location: Front
Mass Spectrometer : Enabled

No Sample Prep method has been assigned to this method.

GC

GC Summary

Run Time 6.6667 min
Post Run Time 0 min

Oven

Temperature
Setpoint On
(Initial) 200 °C
Hold Time 1 min
Post Run 50 °C
Program
#1 Rate 30 °C/min
#1 Value 280 °C
#1 Hold Time 3 min

Equilibration Time 0.5 min
Temperature 325 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS

Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 1
Solvent A Washes (PostInj) 1
Solvent A Volume 8 µL
Solvent B Washes (PreInj) 1
Solvent B Washes (PostInj) 1
Solvent B Volume 8 µL
Sample Washes 0
Sample Wash Volume 8 µL
Sample Pumps 2
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 300 µL/min
Solvent Wash Dispense Speed 3000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 3000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.2 µL

Solvent Wash Mode	A, B
Back Injector	
Syringe Size	10 µL
Injection Volume	1 µL
Solvent A Washes (PreInj)	0
Solvent A Washes (PostInj)	0
Solvent A Volume	8 µL
Solvent B Washes (PreInj)	0
Solvent B Washes (PostInj)	0
Solvent B Volume	8 µL
Sample Washes	0
Sample Wash Volume	8 µL
Sample Pumps	6
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	3000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	3000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Solvent Wash Mode	A, B
Sample Overlap Mode	Sample overlap is not enabled
ALS Errors	Pause for user interaction
Front SS Inlet He Mode	Split
Heater	On 250 °C
Pressure	On 18.717 psi
Total Flow	On 49.2 mL/min
Septum Purge Flow	Off
Gas Saver	Off
Split Ratio	40 :1
Split Flow	48 mL/min
Liner	A Liner has not been selected.
Back SS Inlet He Mode	***Excluded from Affecting GC's Readiness State***
Excluded from Readiness Mode	Split
Heater	Off
Pressure	Off
Total Flow	Off
Septum Purge Flow	On 3 mL/min
Gas Saver	Off
Split Ratio	100 :1
Split Flow	219.37 mL/min
Liner	A Liner has not been selected.
Thermal Aux 2 (MSD Transfer Line) Temperature	
Setpoint	On
(Initial)	280 °C
Column	
Column #1	
Flow	

Setpoint
(Initial)
Post Run

On
1.2 mL/min
1.2439 mL/min

Column Information
DB-1MS
Temperature Range
Dimensions
In
Out
(Initial)
Pressure
Flow
Average Velocity
Holdup Time
Control Mode

Agilent 128-0112
-60 °C-340 °C (360 °C)
12 m x 200 µm x 0.33 µm
Front SS Inlet He
MSD
200 °C
18.717 psi
1.2 mL/min
67.095 cm/sec
0.29809 min
Constant Flow

Column #2
Pressure
Setpoint
(Initial)
Post Run

Off
10 psi
10 psi

Column Information
HP-1
Temperature Range
Dimensions
In
Out
(Initial)
Pressure
Flow
Average Velocity
Holdup Time
Control Mode

J&W 19091Z-211
-60 °C-325 °C (325 °C)
15 m x 320 µm x 1 µm
Back SS Inlet He
Front Detector FID
200 °C
10 psi
2.1937 mL/min
53.363 cm/sec
0.46849 min
Constant Pressure

Column Outlet Pressure

0 psi

Front Detector FID
Excluded from Readiness
Makeup
Heater
H2 Flow
Air Flow
Makeup Flow
Carrier Gas Flow Correction
Flame

Excluded from Affecting GC's Readiness State
He
Off
Off
Off
Off
Constant Makeup and Fuel Flow
Off

Signals
Signal #1: Test Plot
Description
Save
Data Rate
Dual Injection Assignment

Test Plot
Off
50 Hz
Front Sample

Signal #2:
Description

None

Signal #3:
Description

None

Signal #4:
Description

None

TUNE PARAMETERS for SN: US10423610

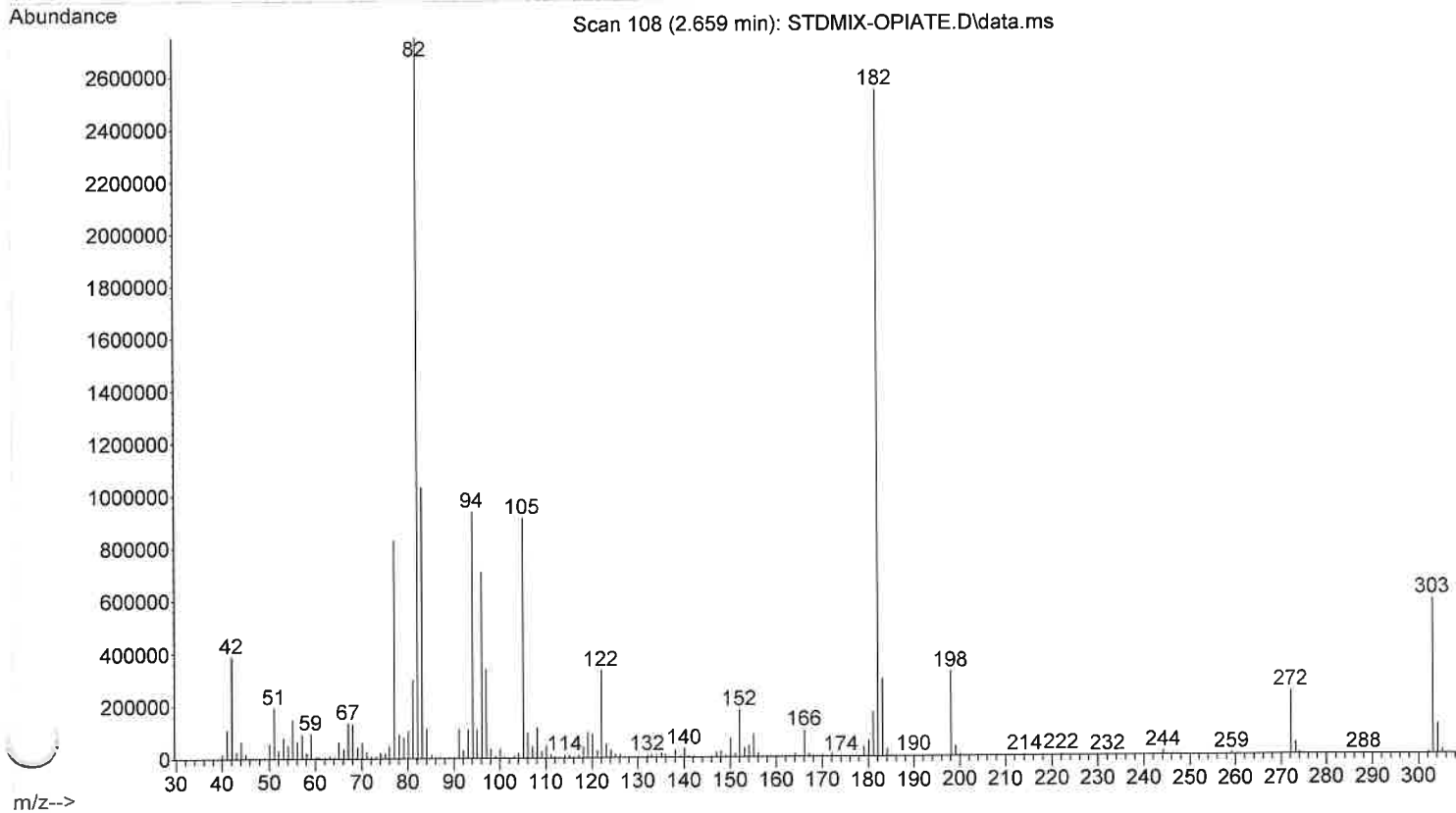
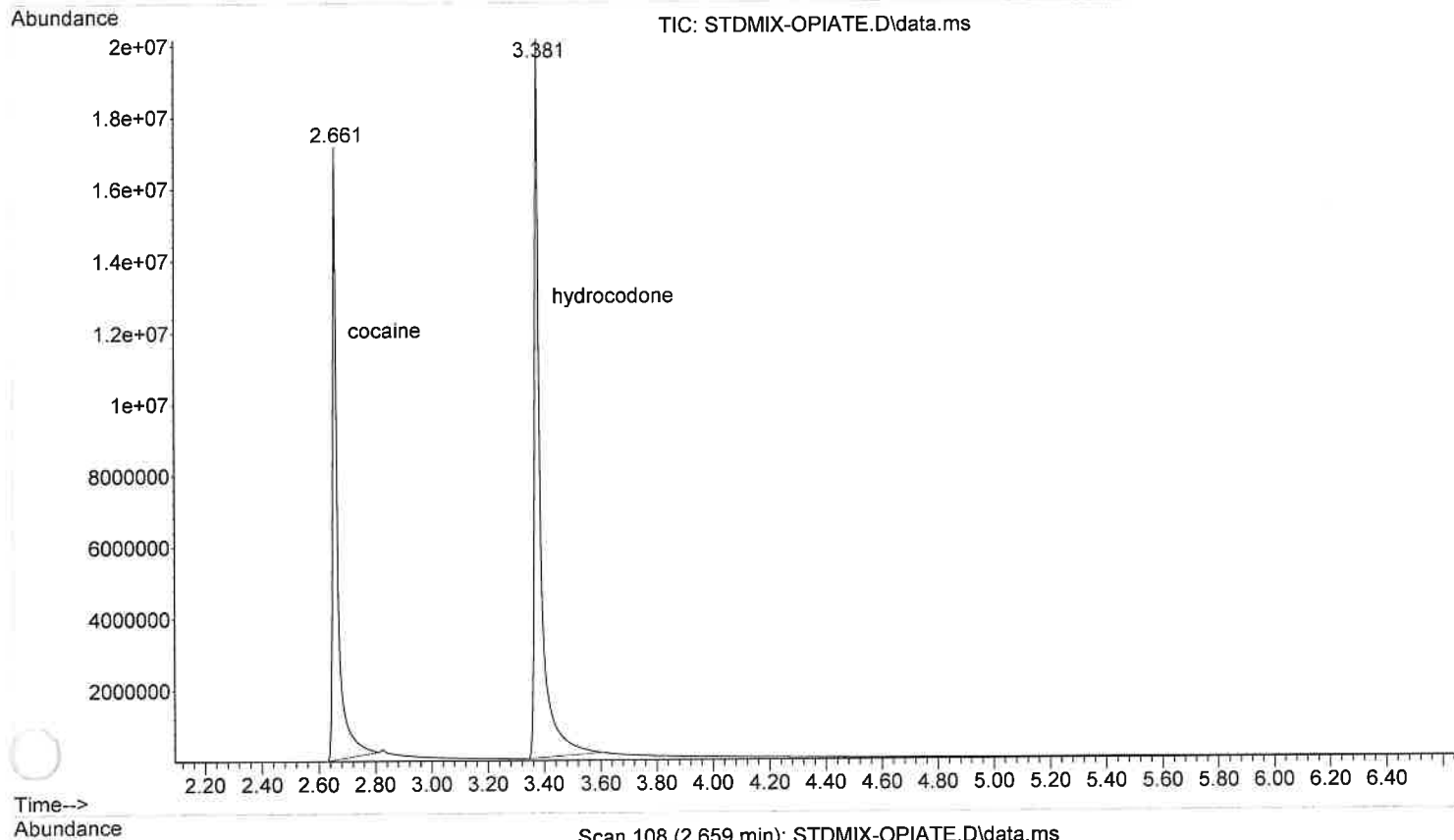
Trace Ion Detection is OFF.

34.610	:	EMISSION	
70.347	:	ENERGY	
30.924	:	REPELLER	
89.208	:	IONFOCUS	
22.000	:	ENTRANCE_LENS	
1235.294	:	EMVOLTS	
		1235.294	: Actual EMV
		0.30	: GAIN FACTOR
2138.000	:	AMUGAIN	
121.625	:	AMUOFFSET	
2.000	:	FILAMENT	
0.000	:	DCPOLARITY	
19.075	:	ENTLENSOFFSET	
-586.000	:	MASSGAIN	
-38.000	:	MASSOFFSET	

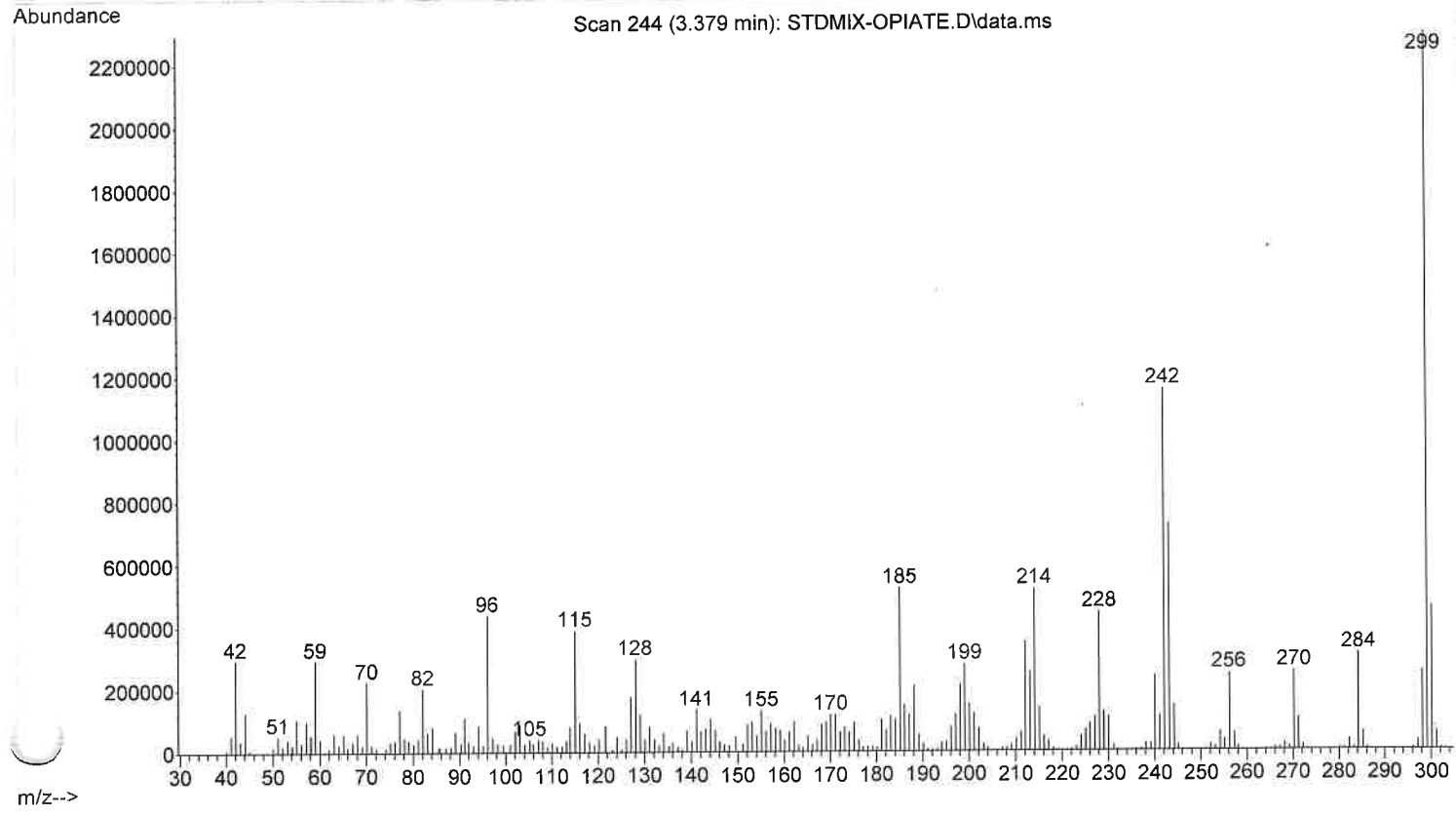
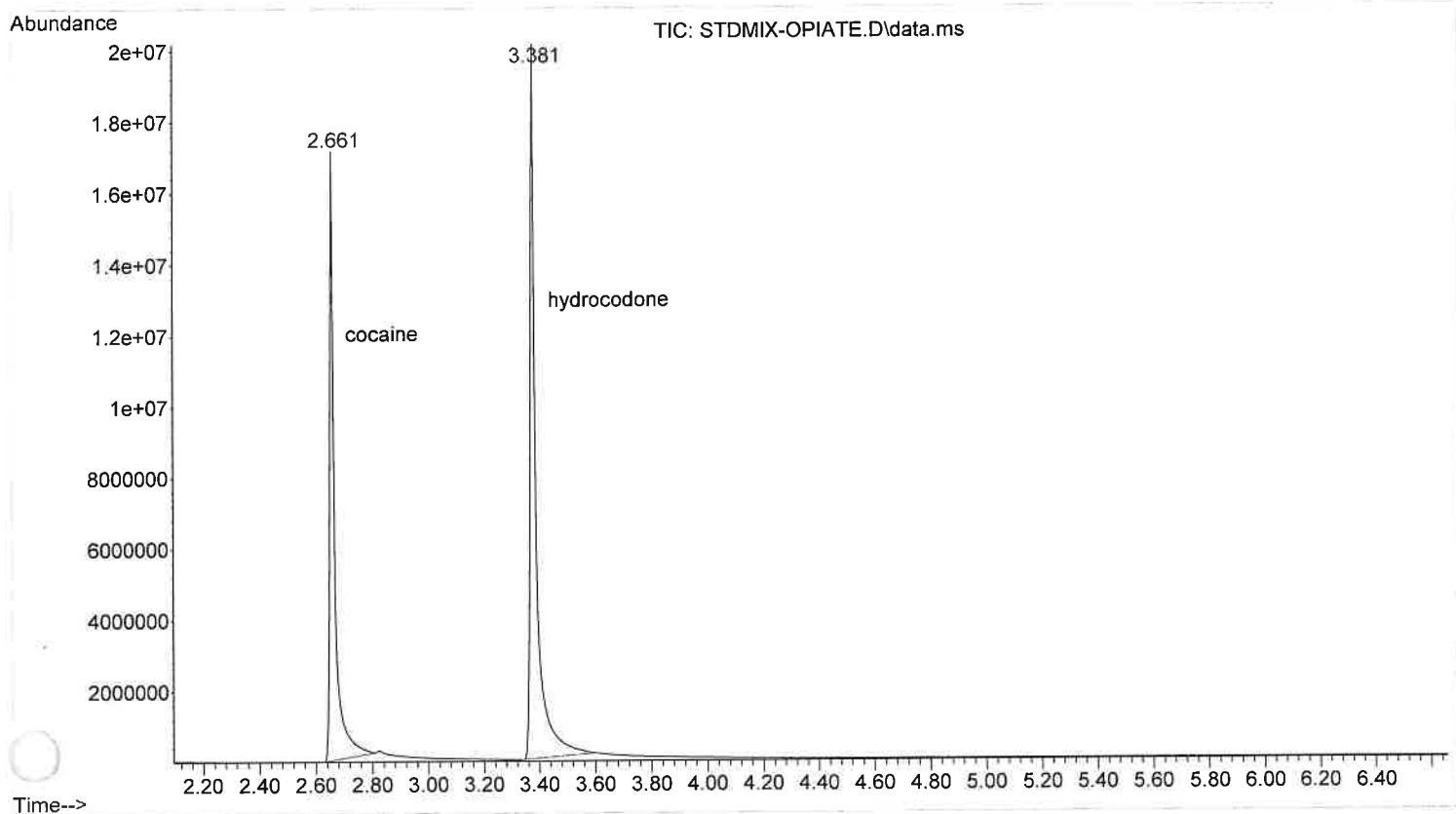
END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

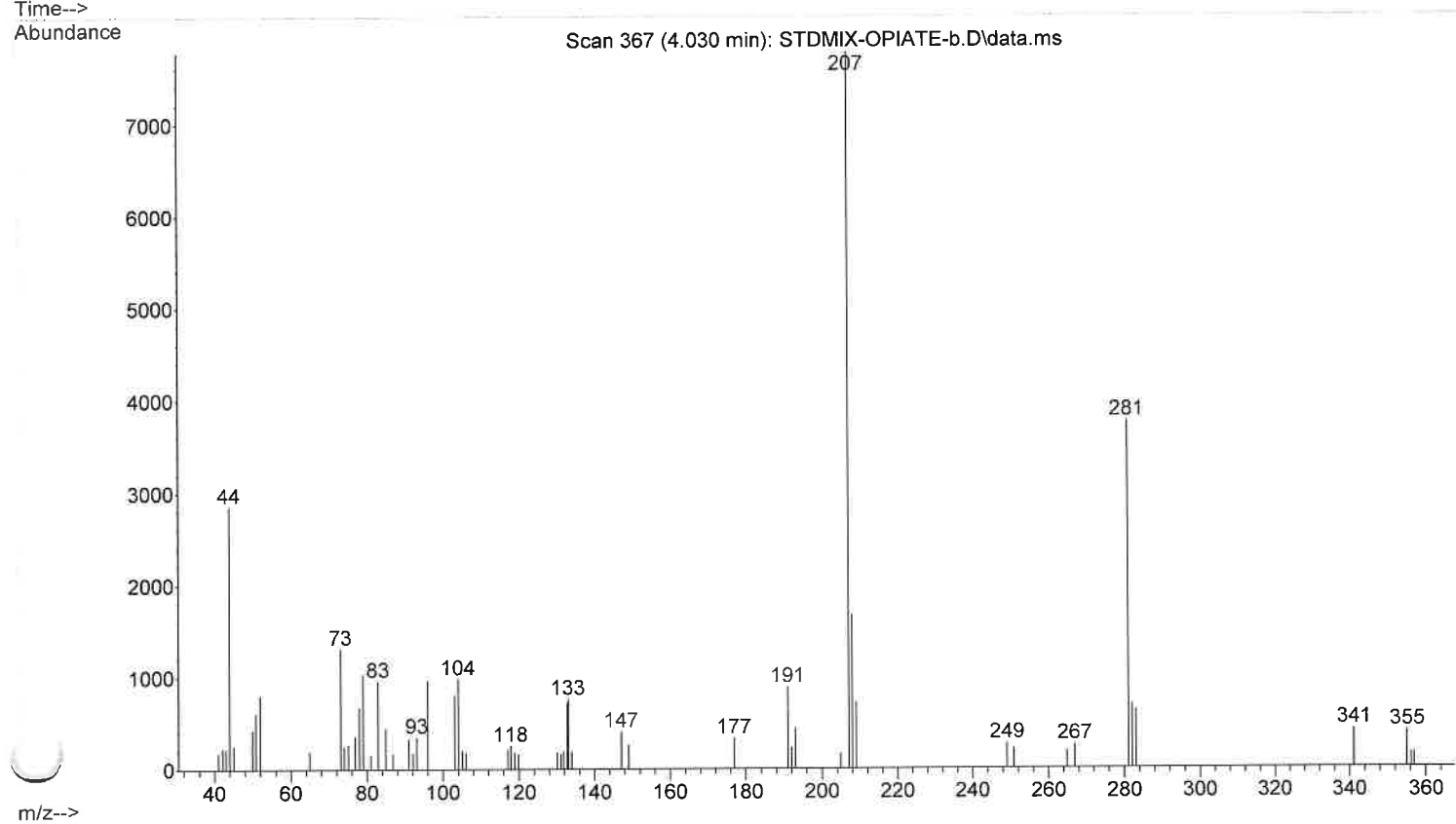
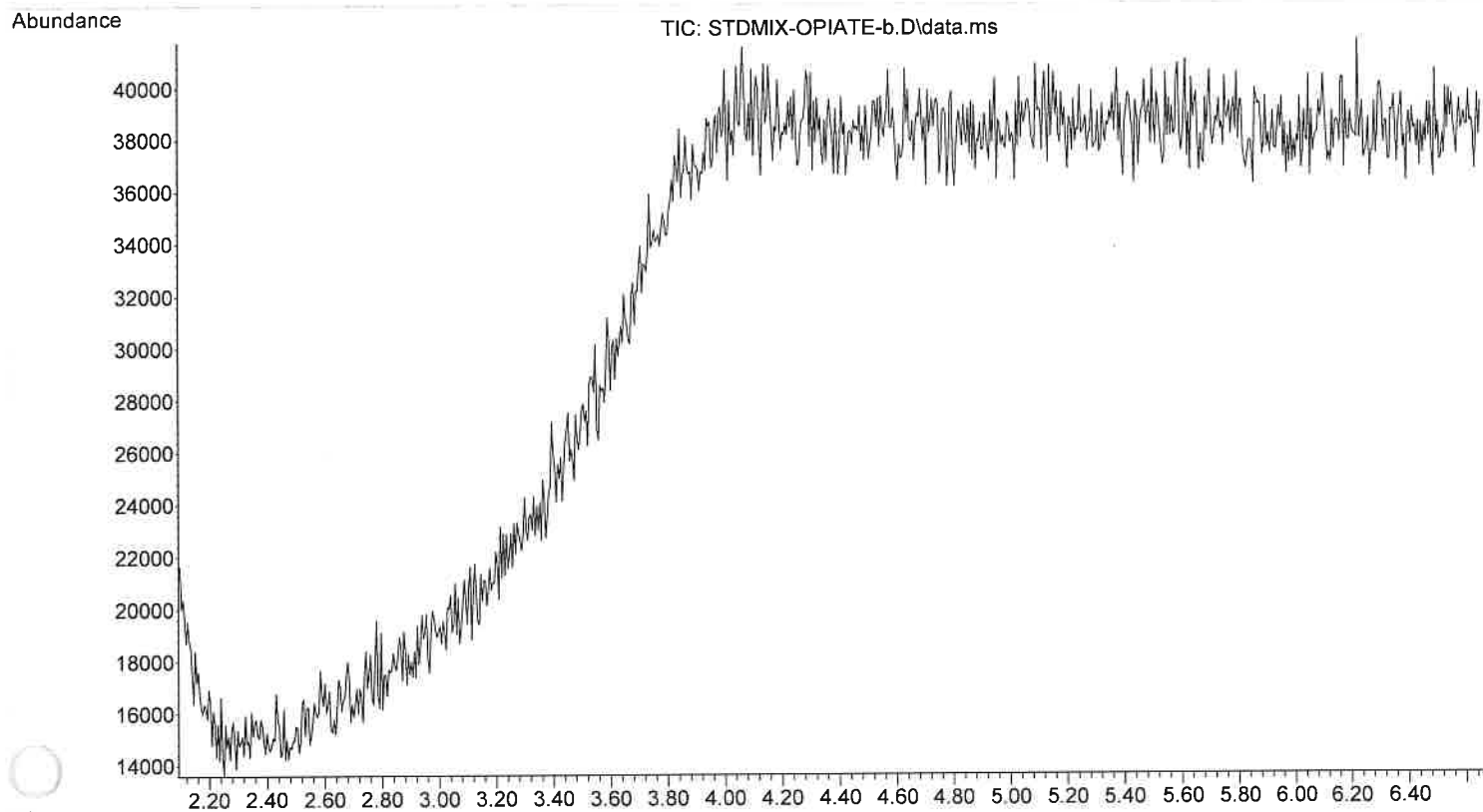
File :C:\MassHunter\GCMS\1\data\August 2024\STDMIX-OPIATE.D
Operator :
Acquired : 01 Aug 2024 14:38 using AcqMethod OPIATE.M
Instrument : Wall-E
Sample Name: std mix
Misc Info : CHCl3
Vial Number: 54



File :C:\MassHunter\GCMS\1\data\August 2024\STDMIX-OPIATE.D
Operator :
Acquired : 01 Aug 2024 14:38 using AcqMethod OPIATE.M
Instrument : Wall-E
Sample Name: std mix
Misc Info : CHCl3
Via Number: 54



File :C:\MassHunter\GCMS\1\data\August 2024\STDMIX-OPIATE-b.D
Operator :
Acquired : 01 Aug 2024 14:30 using AcqMethod OPIATE.M
Instrument : Wall-E
Sample Name: std mix blank
Misc Info : CHC13
Via Number: 52



METHOD CONTROL PARAMETERS

Method Information for: C:\MassHunter\GCMS\1\methods\STEROID.M

Method Sections To Run:

- () Save Copy of Method With Data
- () Instrument Control Pre-Run Cmd/Macro =
- () Data Analysis Pre-Run Cmd/Macro =
- (X) Data Acquisition
- (X) Data Analysis
- () Instrument Control Post-Run Cmd/Macro =
- () Data Analysis Post-Run Cmd/Macro =

Method Comments:

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	C:\MassHunter\GCMS\1\methods\STEROID.M
Tune file	ATUNE.U
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
Acquisition Type	Scan
Stop time (min)	10.00
Solvent delay (min)	2.50
Trace Ion Detection	False
Gain Factor	1
EM Saver	False
EM Saver Limit	N/A

Scan Time Segments

Time	Start Mass	End Mass	Threshold	Scan Speed
2.50	40	550	150	1,562 [N=2]

Timed Events

Time	Type of Event	Parameter
------	---------------	-----------

Real-Time Plots

Type of Plot	Label	Low Mass	High Mass
Total Ion	N/A	N/A	N/A
Spectrum	N/A	N/A	N/A
Extracted Ion	Scan 1-1	50	550

Self-Cleaning Ion Source Parameters

Mode	No Cleaning
------	-------------

C:\MassHunter\GCMS\1\methods\STEROID.M

Mon Aug 05 15:26:41 2024

Control Information

Sample Inlet : GC
Injection Source : GC ALS
Injection Location: Front
Mass Spectrometer : Enabled

No Sample Prep method has been assigned to this method.

GC
GC Summary
Run Time 20 min
Post Run Time 0 min

Oven
Temperature
Setpoint On
(Initial) 70 °C
Hold Time 1 min
Post Run 50 °C
Program
#1 Rate 30 °C/min
#1 Value 280 °C
#1 Hold Time 12 min

Equilibration Time 0.5 min
Temperature 325 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 1
Solvent A Washes (PostInj) 1
Solvent A Volume 8 µL
Solvent B Washes (PreInj) 1
Solvent B Washes (PostInj) 1
Solvent B Volume 8 µL
Sample Washes 1
Sample Wash Volume 8 µL
Sample Pumps 1
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 300 µL/min
Solvent Wash Dispense Speed 3000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 3000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.2 µL

Solvent Wash Mode	A, B
Back Injector	
Syringe Size	10 µL
Injection Volume	1 µL
Solvent A Washes (PreInj)	0
Solvent A Washes (PostInj)	0
Solvent A Volume	8 µL
Solvent B Washes (PreInj)	0
Solvent B Washes (PostInj)	0
Solvent B Volume	8 µL
Sample Washes	0
Sample Wash Volume	8 µL
Sample Pumps	6
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	3000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	3000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Solvent Wash Mode	A, B
Sample Overlap Mode	Sample overlap is not enabled
ALS Errors	Pause for user interaction
Front SS Inlet He Mode	Split
Heater	On 250 °C
Pressure	On 8.592 psi
Total Flow	On 49 mL/min
Septum Purge Flow	On 3 mL/min
Gas Saver	Off
Split Ratio	45 :1
Split Flow	45 mL/min
Liner	A Liner has not been selected.
Back SS Inlet He Excluded from Readiness Mode	***Excluded from Affecting GC's Readiness State***
Heater	Split
Pressure	Off
Total Flow	Off
Septum Purge Flow	Off
Gas Saver	Off
Split Ratio	100 :1
Split Flow	376.33 mL/min
Liner	A Liner has not been selected.
Thermal Aux 2 (MSD Transfer Line) Temperature Setpoint (Initial)	On 280 °C
Column	
Column #1	
Flow	

Setpoint	On
(Initial)	1 mL/min
Post Run	1.2439 mL/min
Column Information	Agilent 128-0112
DR-1MS	
Temperature Range	-60 °C-340 °C (360 °C)
Dimensions	12 m x 200 µm x 0.33 µm
In	Front SS Inlet He
Out	MSD
(Initial)	70 °C
Pressure	8.592 psi
Flow	1 mL/min
Average Velocity	58.18 cm/sec
Holdup Time	0.34376 min
Control Mode	Constant Flow
Column #2	
Pressure	Off
Setpoint	10 psi
(Initial)	10 psi
Post Run	
Column Information	J&W 19091Z-211
HP-1	
Temperature Range	-60 °C-325 °C (325 °C)
Dimensions	15 m x 320 µm x 1 µm
In	Back SS Inlet He
Out	Front Detector FID
(Initial)	70 °C
Pressure	10 psi
Flow	3.7633 mL/min
Average Velocity	66.391 cm/sec
Holdup Time	0.37656 min
Control Mode	Constant Pressure
Column Outlet Pressure	0 psi
Front Detector FID	
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Makeup	He
Heater	Off
H2 Flow	Off
Air Flow	Off
Makeup Flow	Off
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	Off
Signals	
Signal #1: Test Plot	
Description	Test Plot
Save	Off
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #2:	
Description	None
Signal #3:	
Description	None
Signal #4:	
Description	None

TUNE PARAMETERS for SN: US10423610

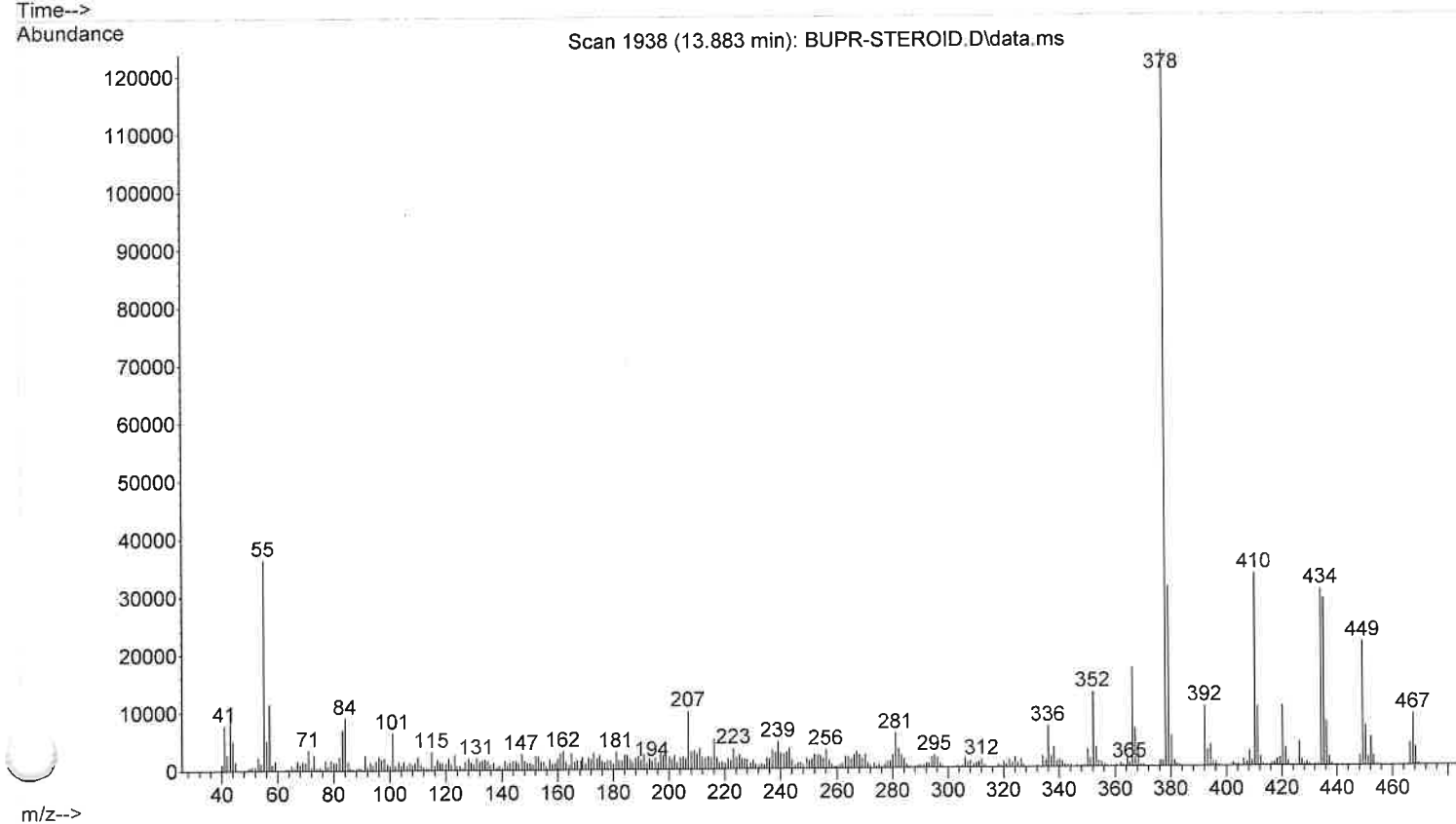
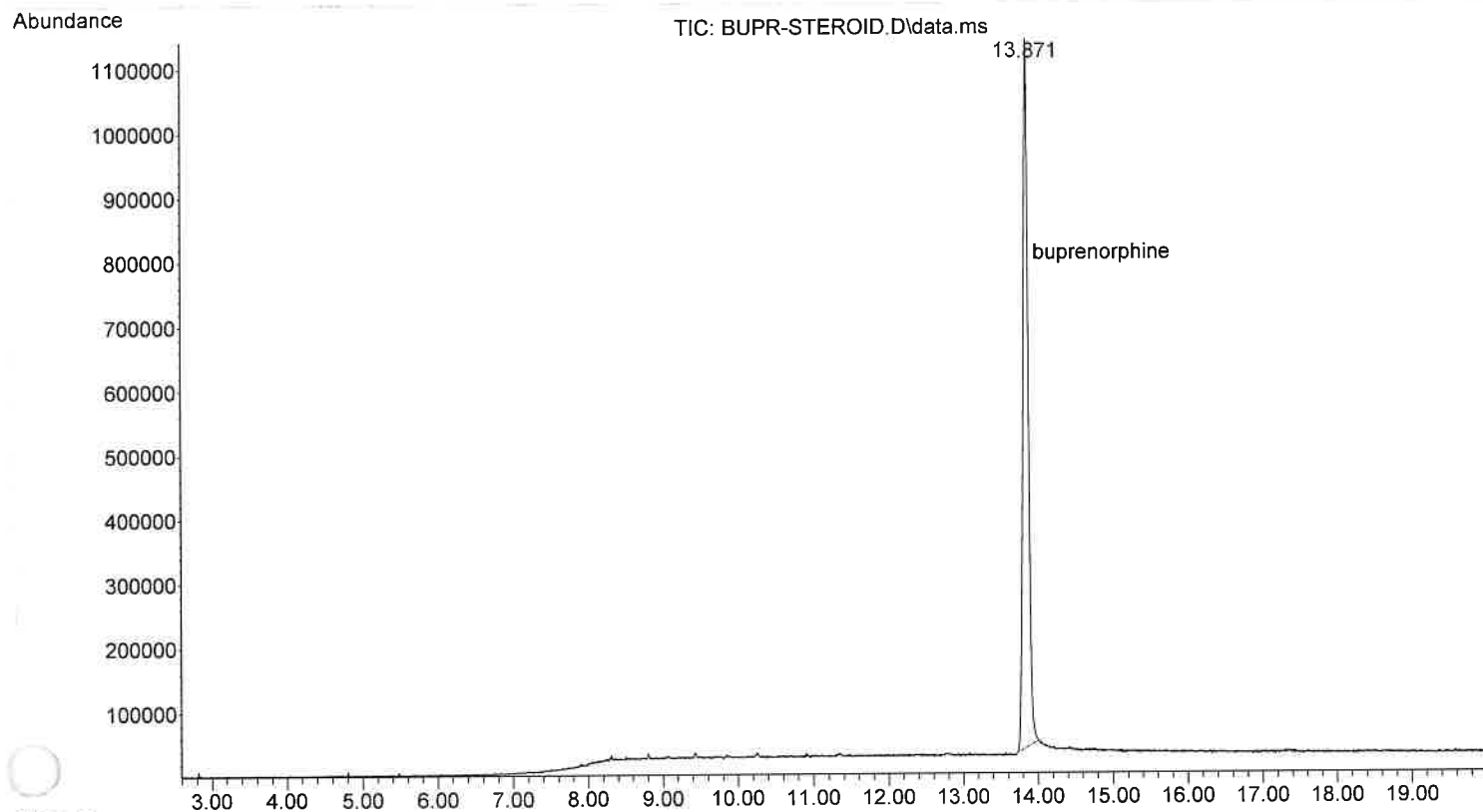
Trace Ion Detection is OFF.

34.610	:	EMISSION	
70.347	:	ENERGY	
30.924	:	REPELLER	
89.208	:	IONFOCUS	
22.000	:	ENTRANCE LENS	
1235.294	:	EMVOLTS	
		1235.294	: Actual EMV
		0.30	: GAIN FACTOR
2138.000	:	AMUGAIN	
121.625	:	AMUOFFSET	
2.000	:	FILAMENT	
0.000	:	DCPOLARITY	
19.075	:	ENTLENSOFFSET	
-586.000	:	MASSGAIN	
-38.000	:	MASSOFFSET	

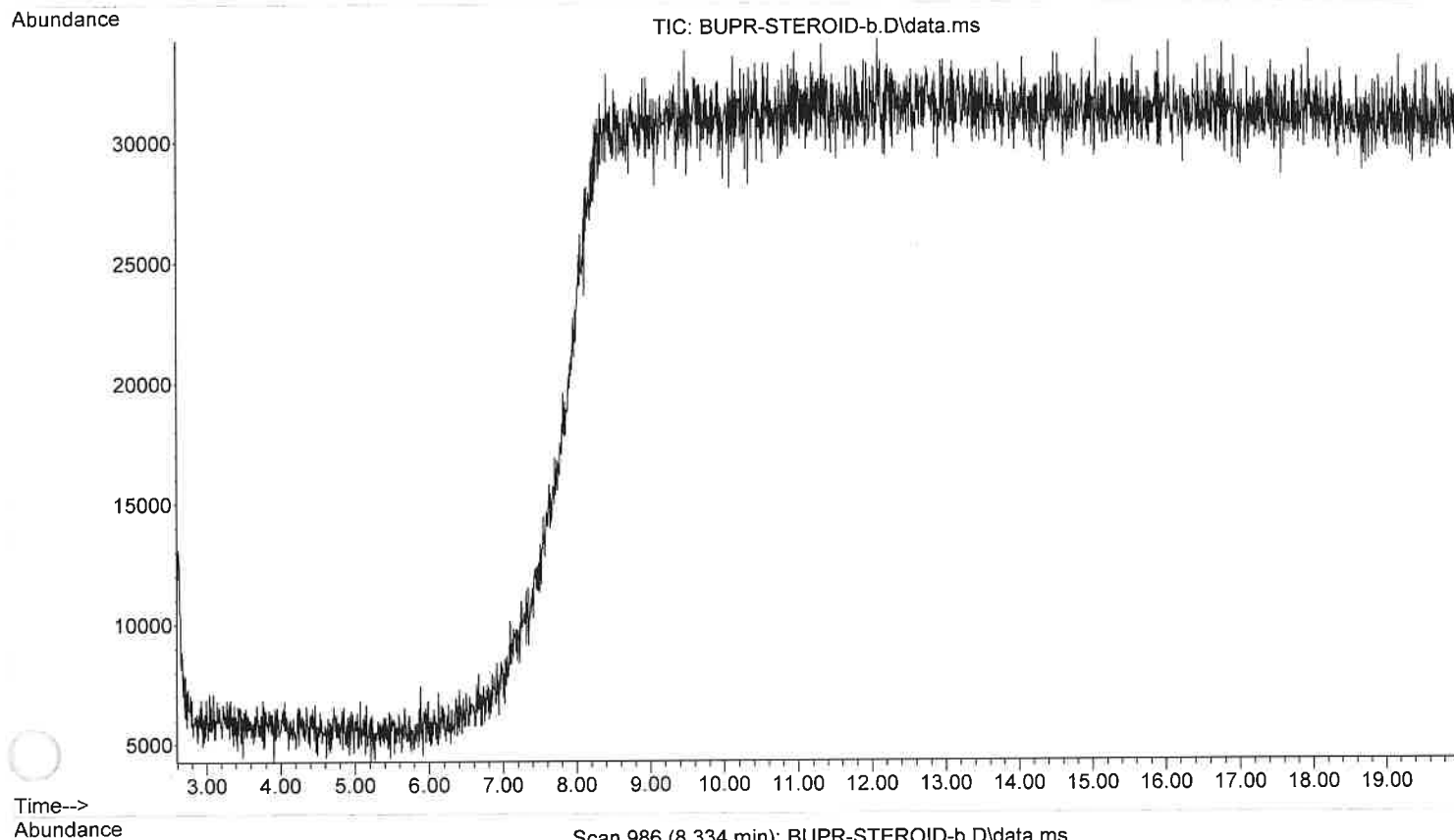
END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

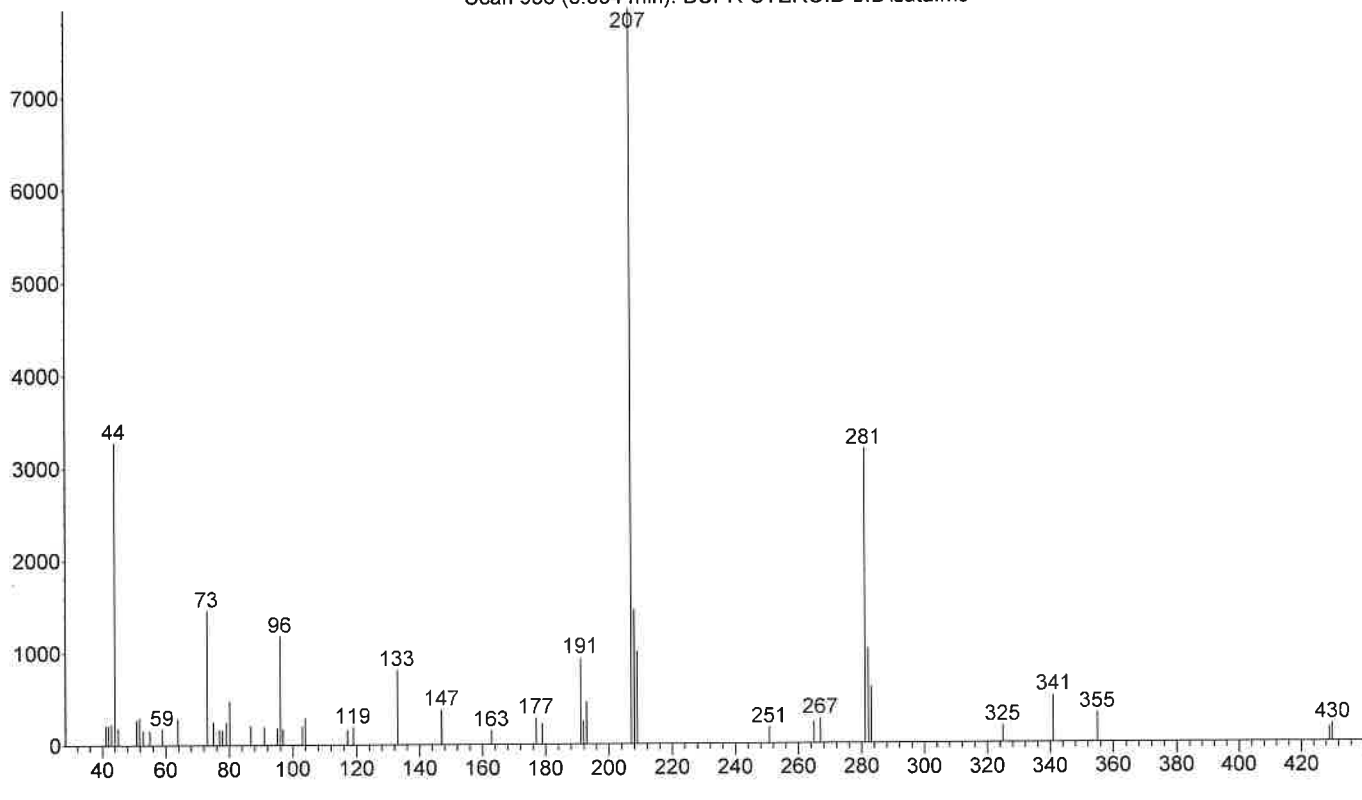
File :C:\MassHunter\GCMS\1\data\August 2024\BUPR-STEROID.D
Operator :
Acquired : 01 Aug 2024 18:32 using AcqMethod STERIOD.M
Instrument : Wall-E
Sample Name: buprenorphine std
Misc Info : CHCl3
Vial Number: 56



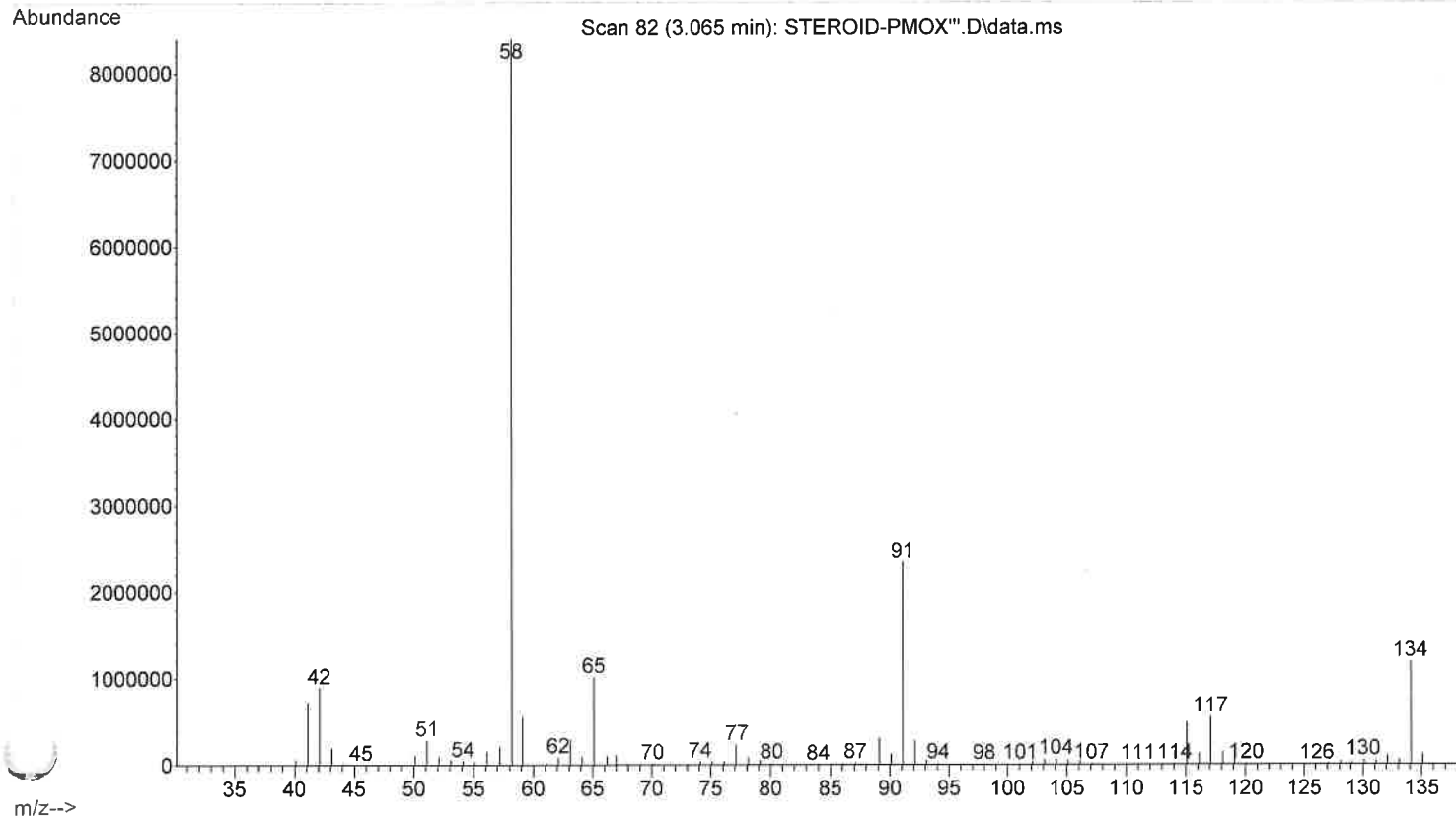
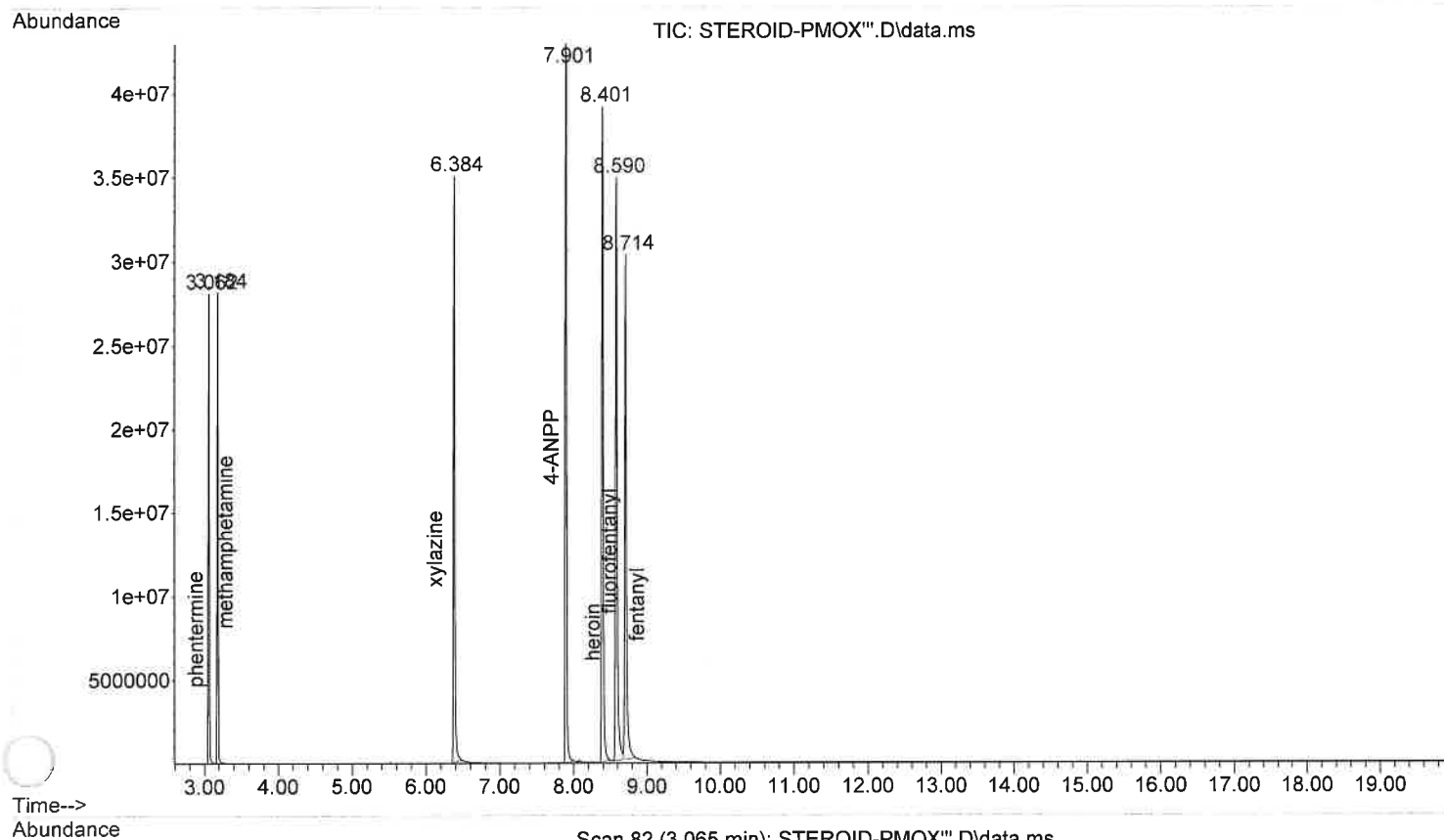
File :C:\MassHunter\GCMS\1\data\August 2024\BUPR-STEROID-b.D
Operator :
Acquired : 01 Aug 2024 18:09 using AcqMethod STERIOD.M
Instrument : Wall-E
Sample Name: buprenorphine std blank
Misc Info : CHCl3
Vial Number: 52



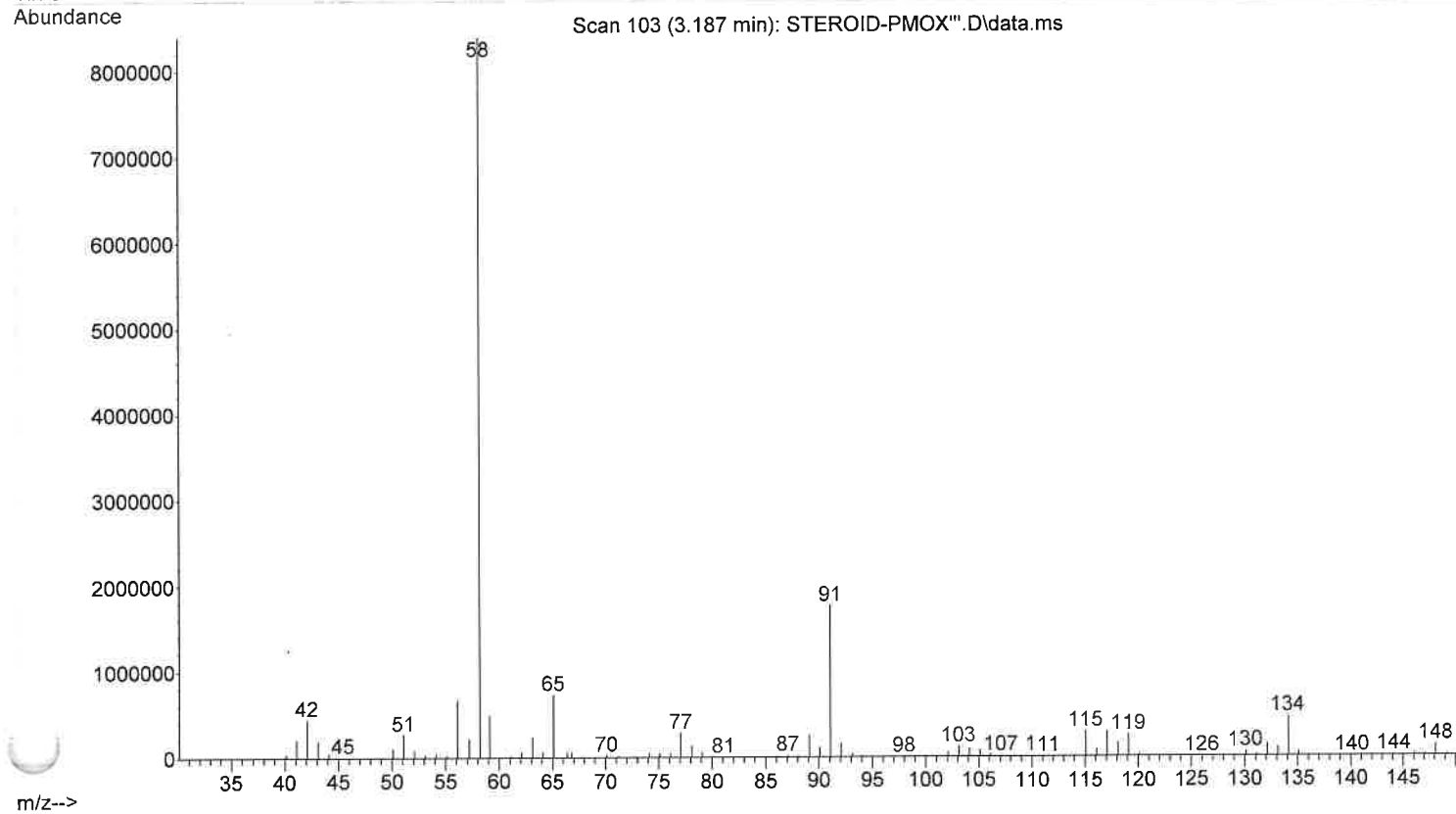
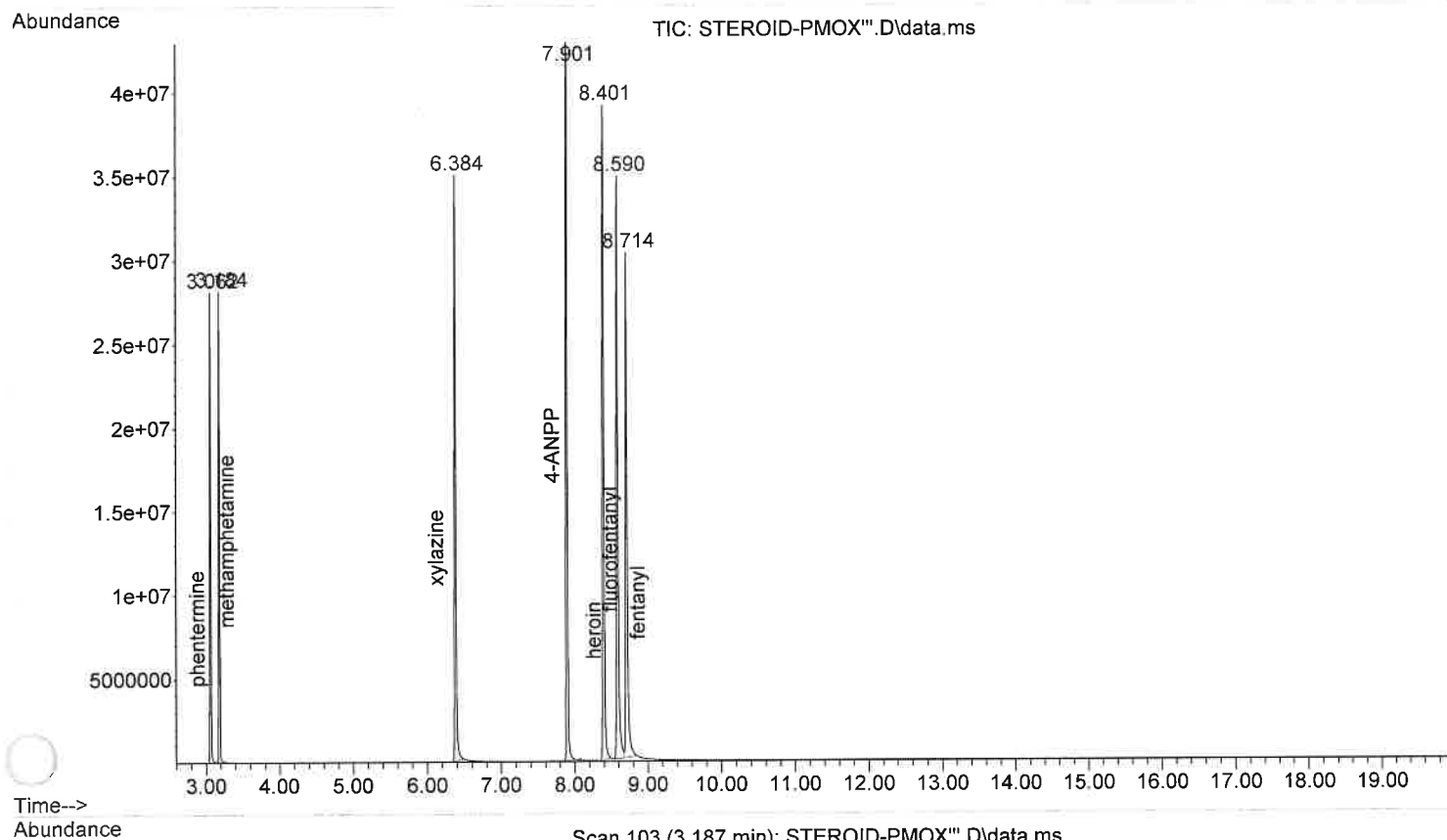
Scan 986 (8.334 min): BUPR-STEROID-b.D\data.ms



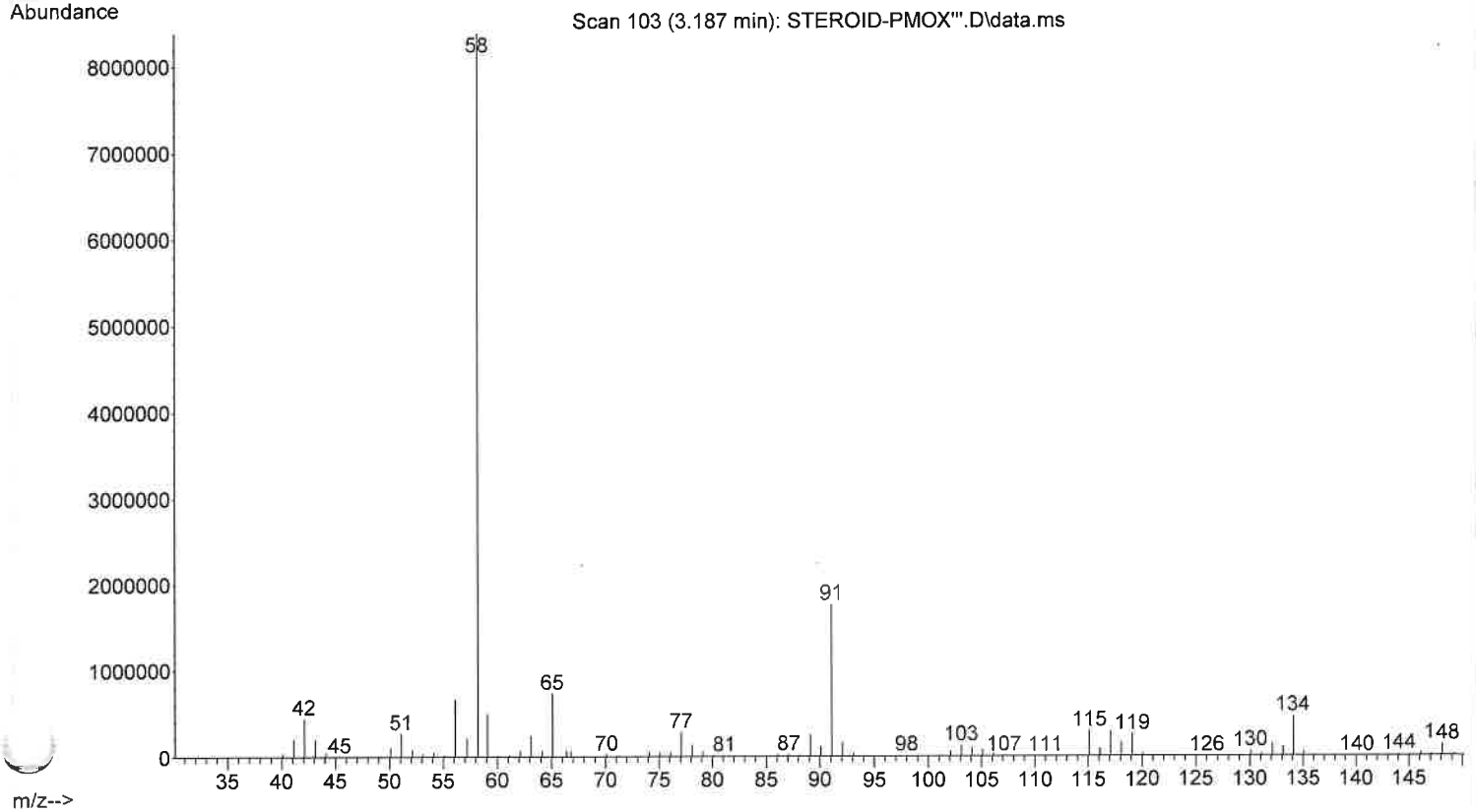
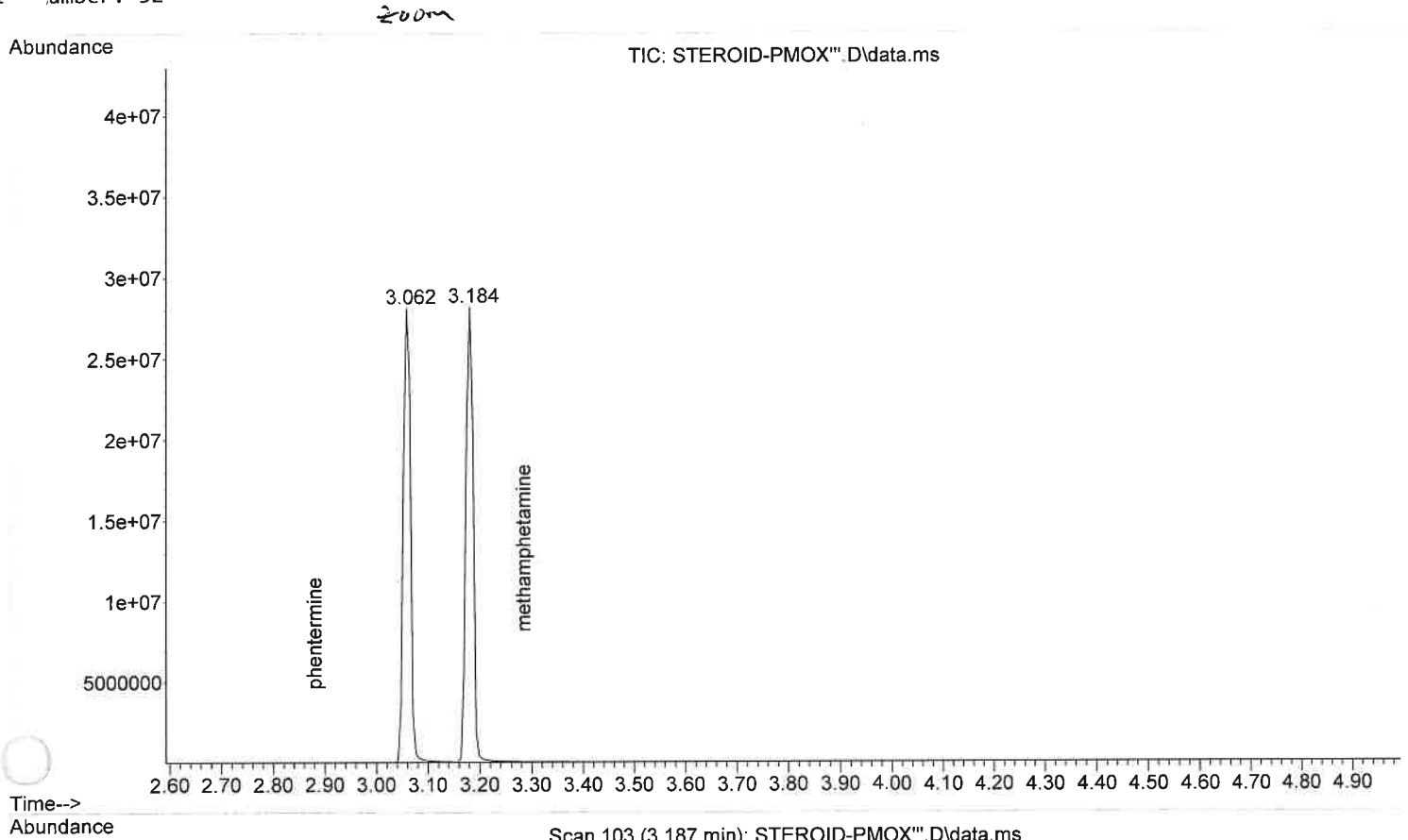
File :C:\MassHunter\GCMS\1\data\August 2024\STEROID-PMOX'''.D
Operator :
Acquired : 09 Aug 2024 12:40 using AcqMethod STEROID.M
Instrument : Wall-E
Sample Name: P-MOX std
Misc Info : CHCl3
Vial Number: 52



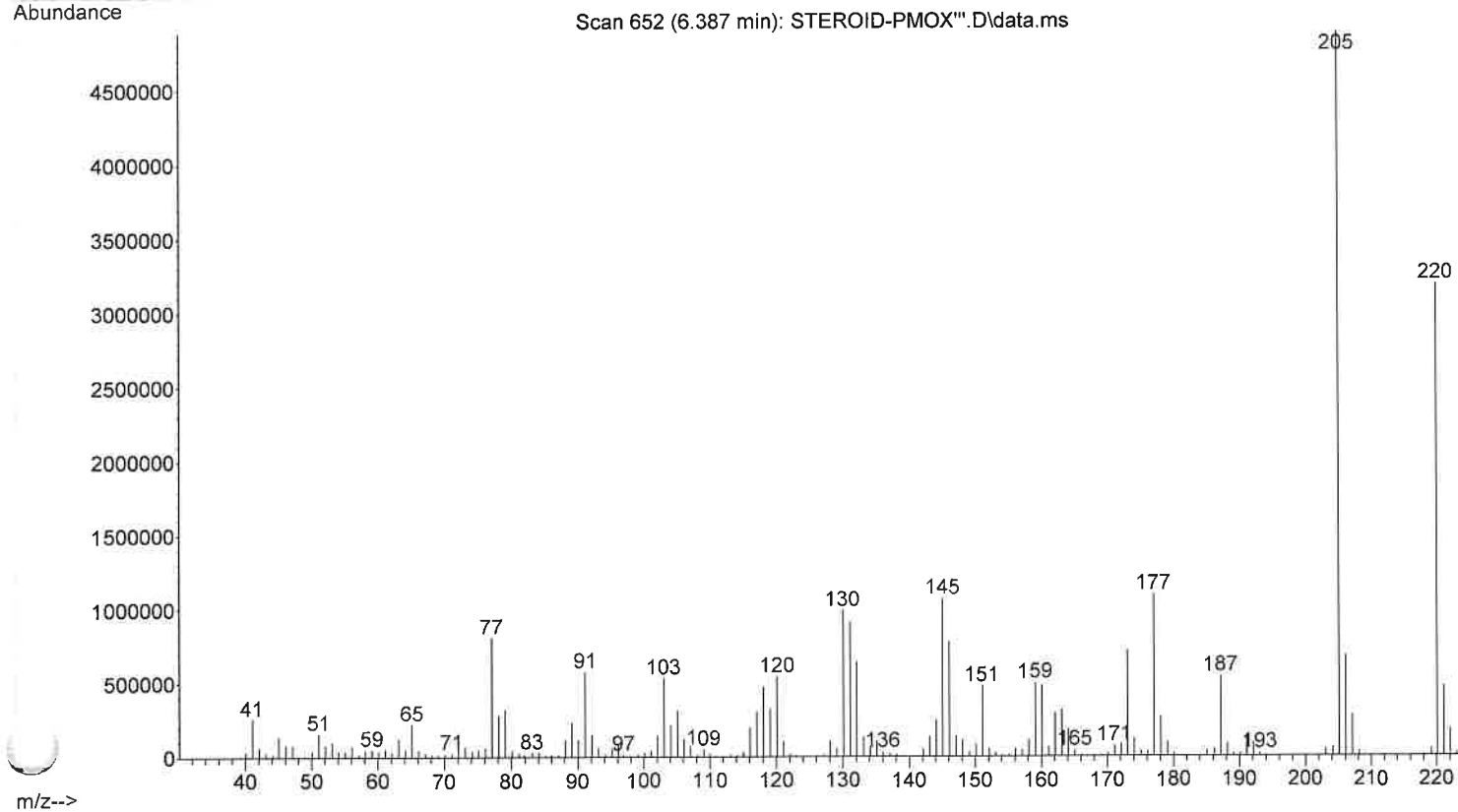
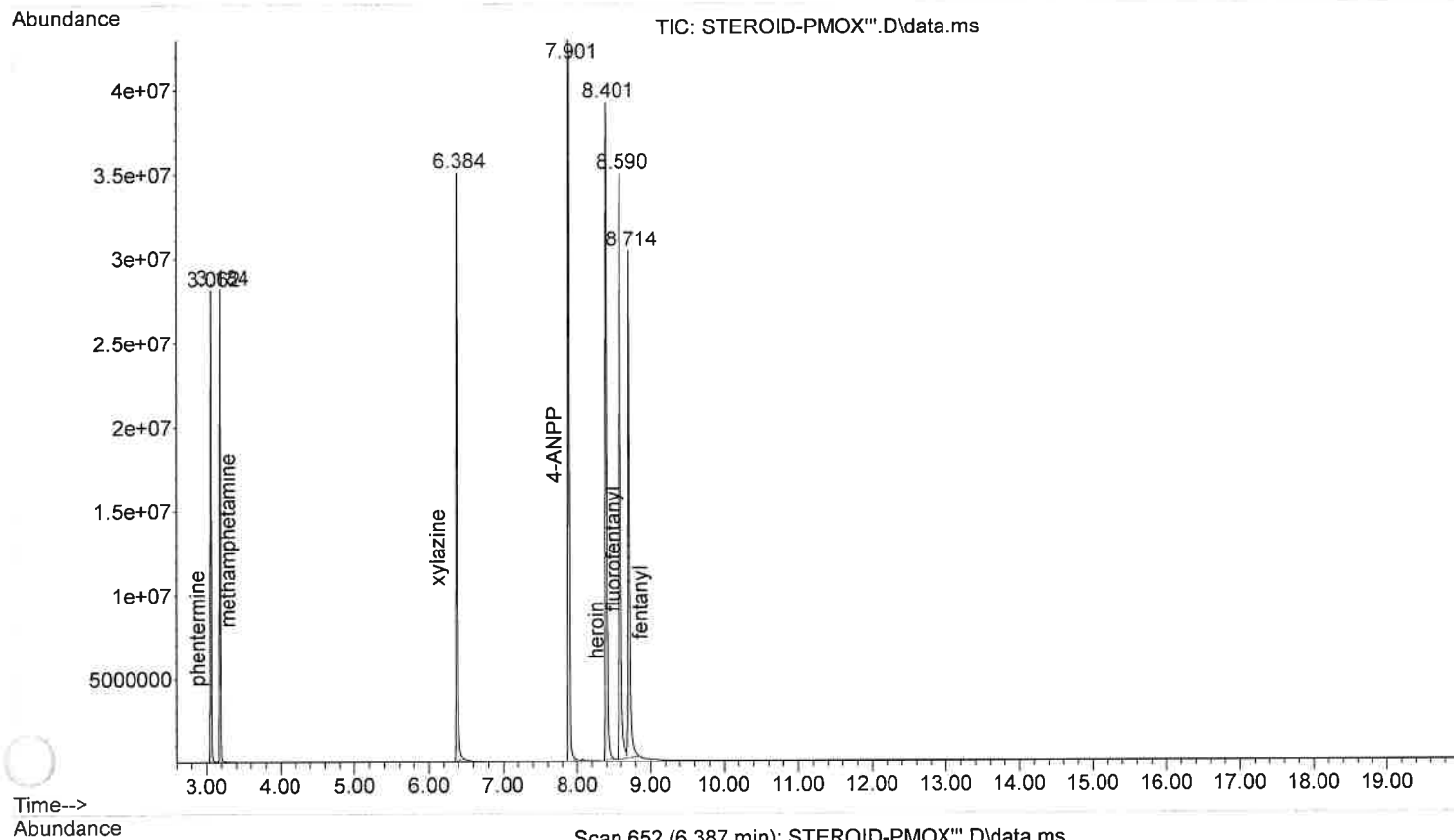
File :C:\MassHunter\GCMS\1\data\August 2024\STERIOD-PMOX'''.D
Operator :
Acquired : 09 Aug 2024 12:40 using AcqMethod STERIOD.M
Instrument : Wall-E
Sample Name: P-MOX std
Misc Info : CHCl3
Vial Number: 52



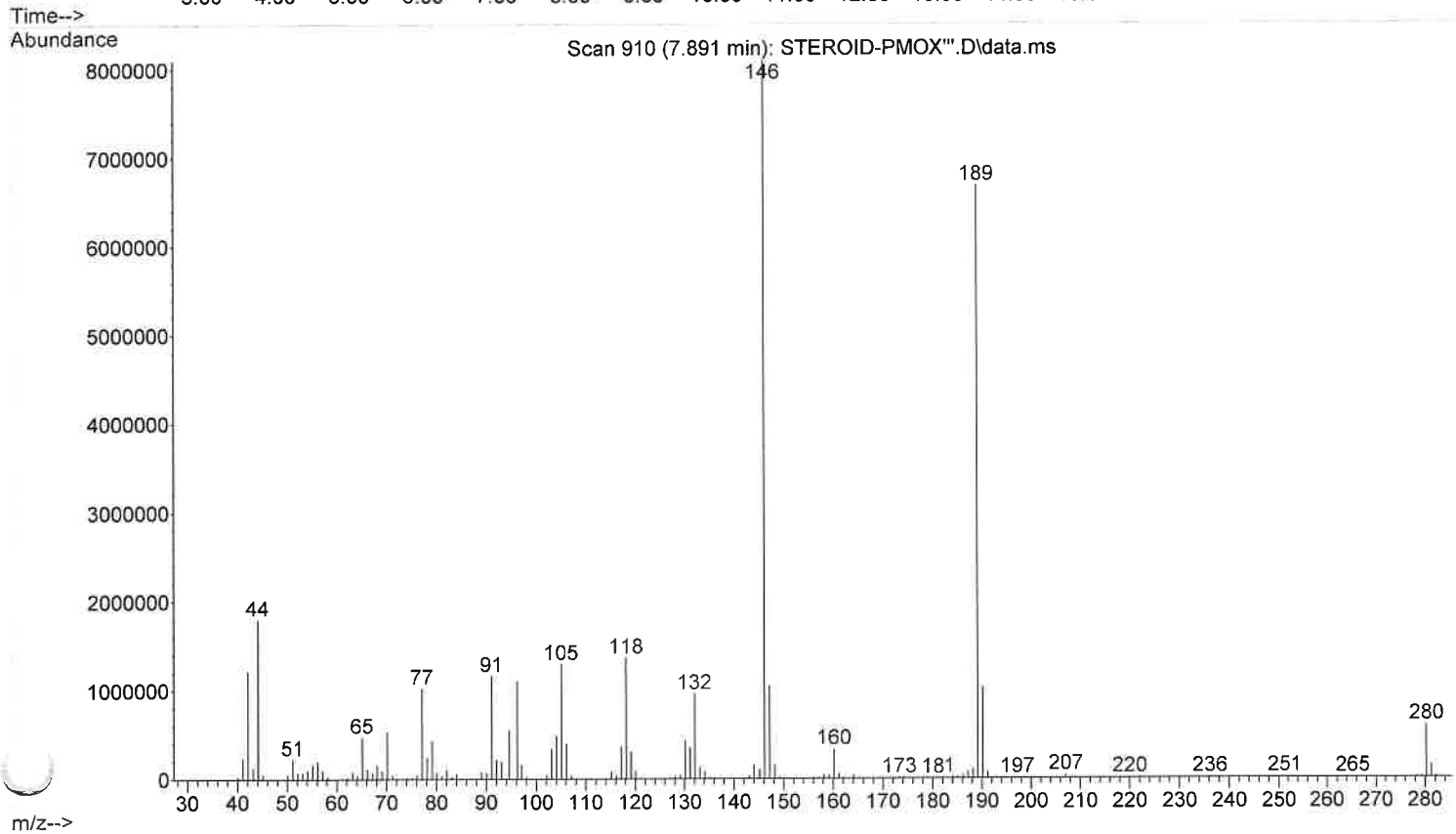
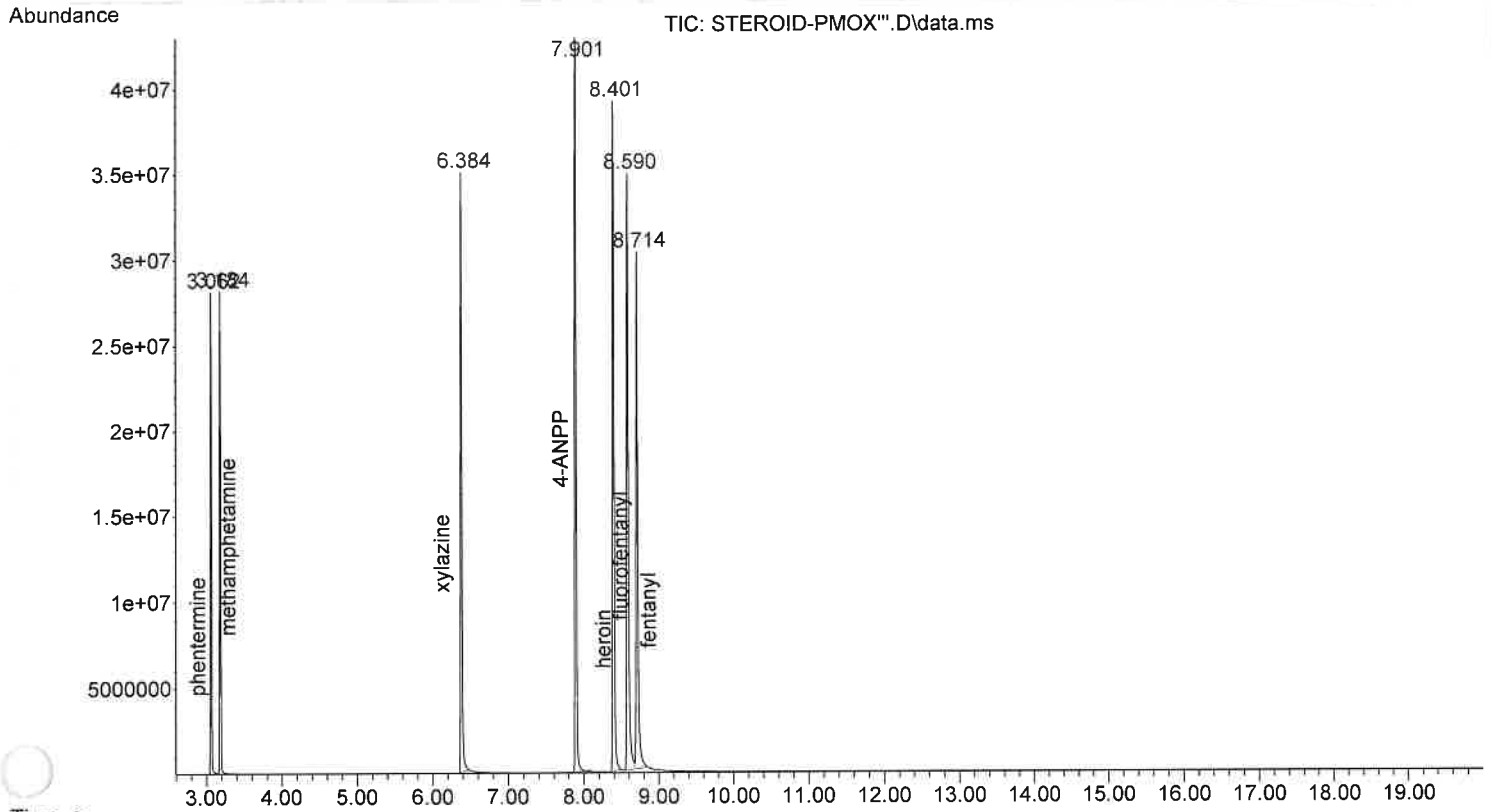
File :C:\MassHunter\GCMS\1\data\August 2024\STEROID-PMOX'''.D
Operator :
Acquired : 09 Aug 2024 12:40 using AcqMethod STEROID.M
Instrument : Wall-E
Sample Name: P-MOX std
Misc Info : CHCl3
Vial Number: 52



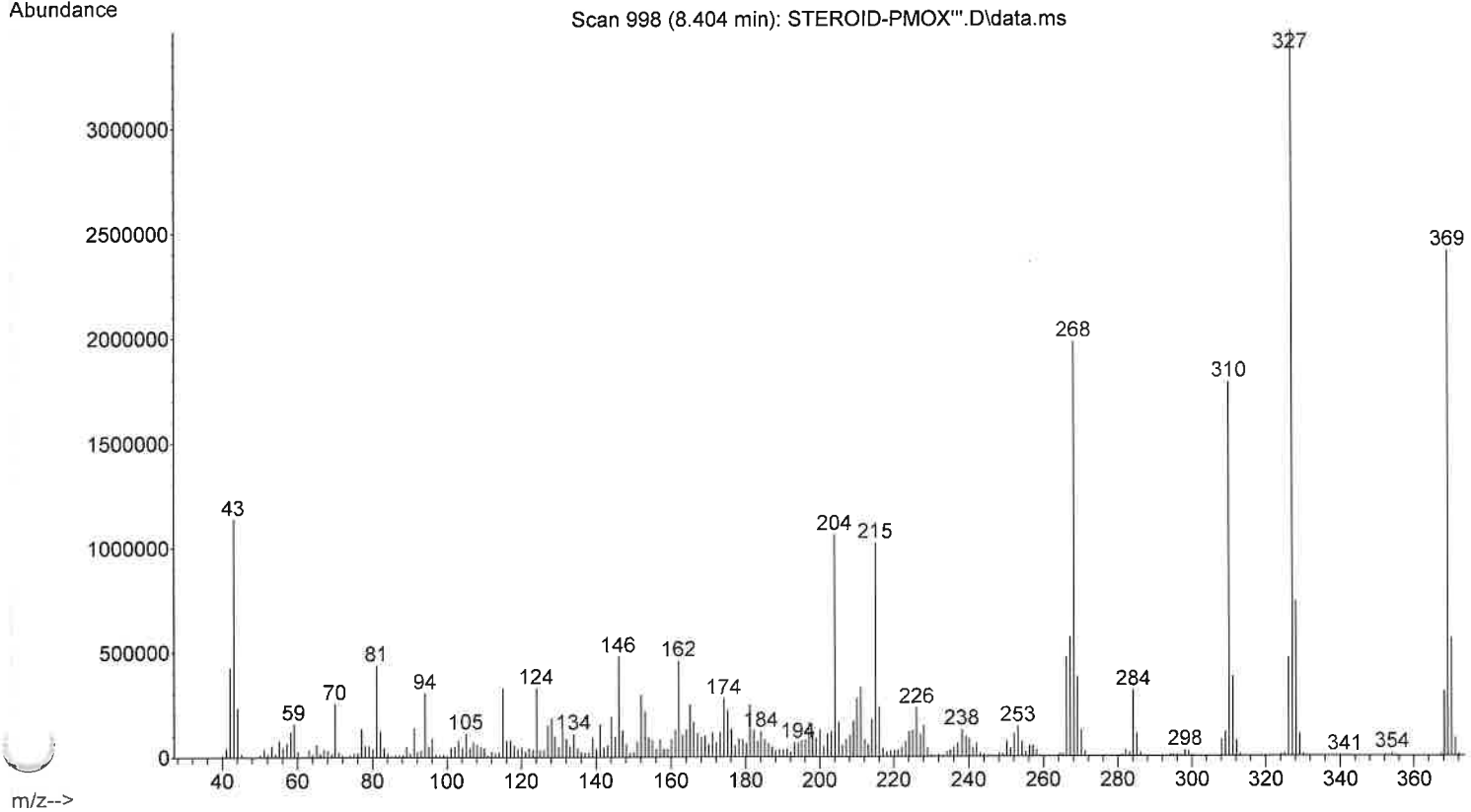
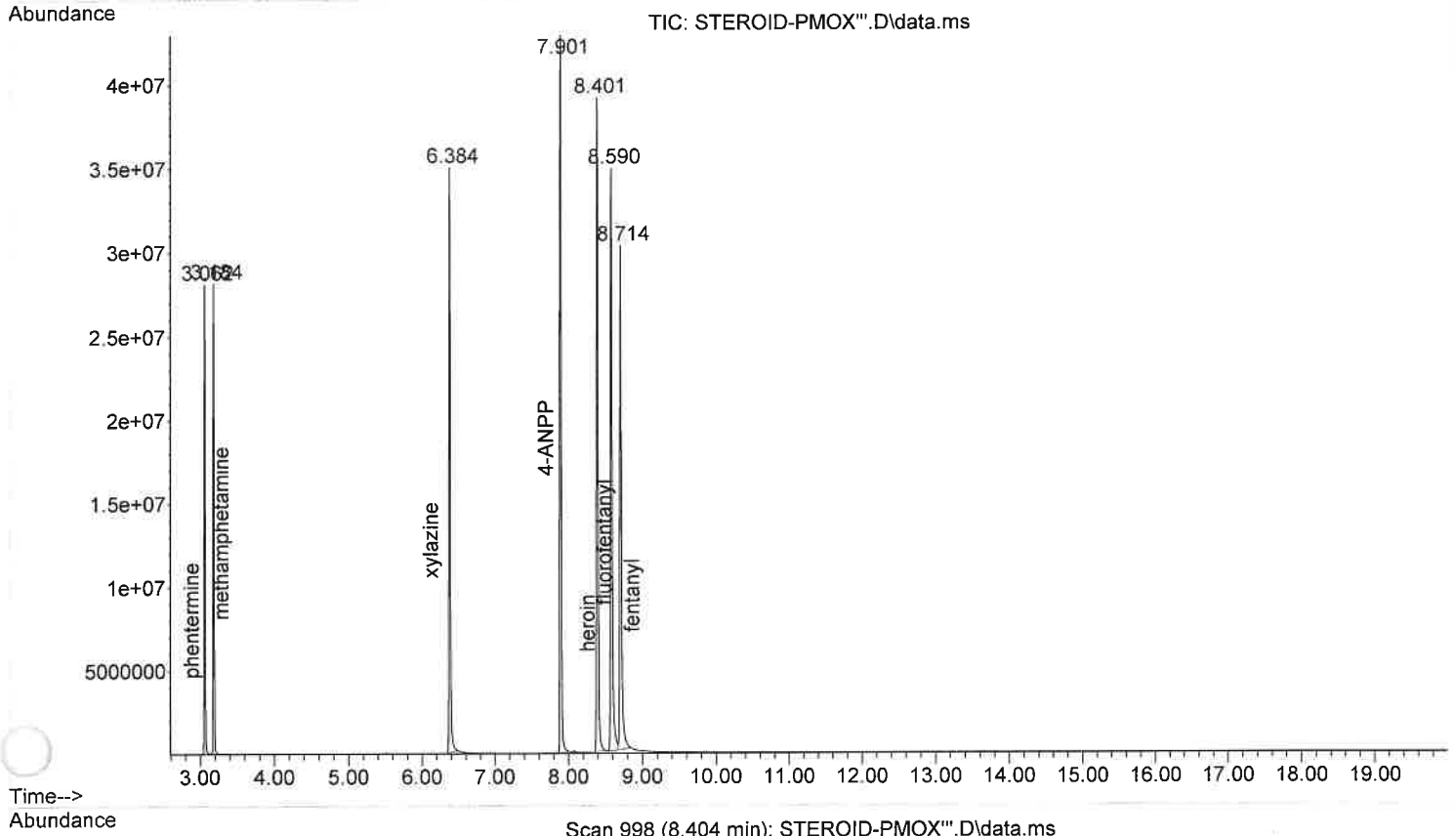
File :C:\MassHunter\GCMS\1\data\August 2024\STEROID-PMOX'''.D
Operator :
Acquired : 09 Aug 2024 12:40 using AcqMethod STEROID.M
Instrument : Wall-E
Sample Name: P-MOX std
Misc Info : CHCl3
Vial Number: 52



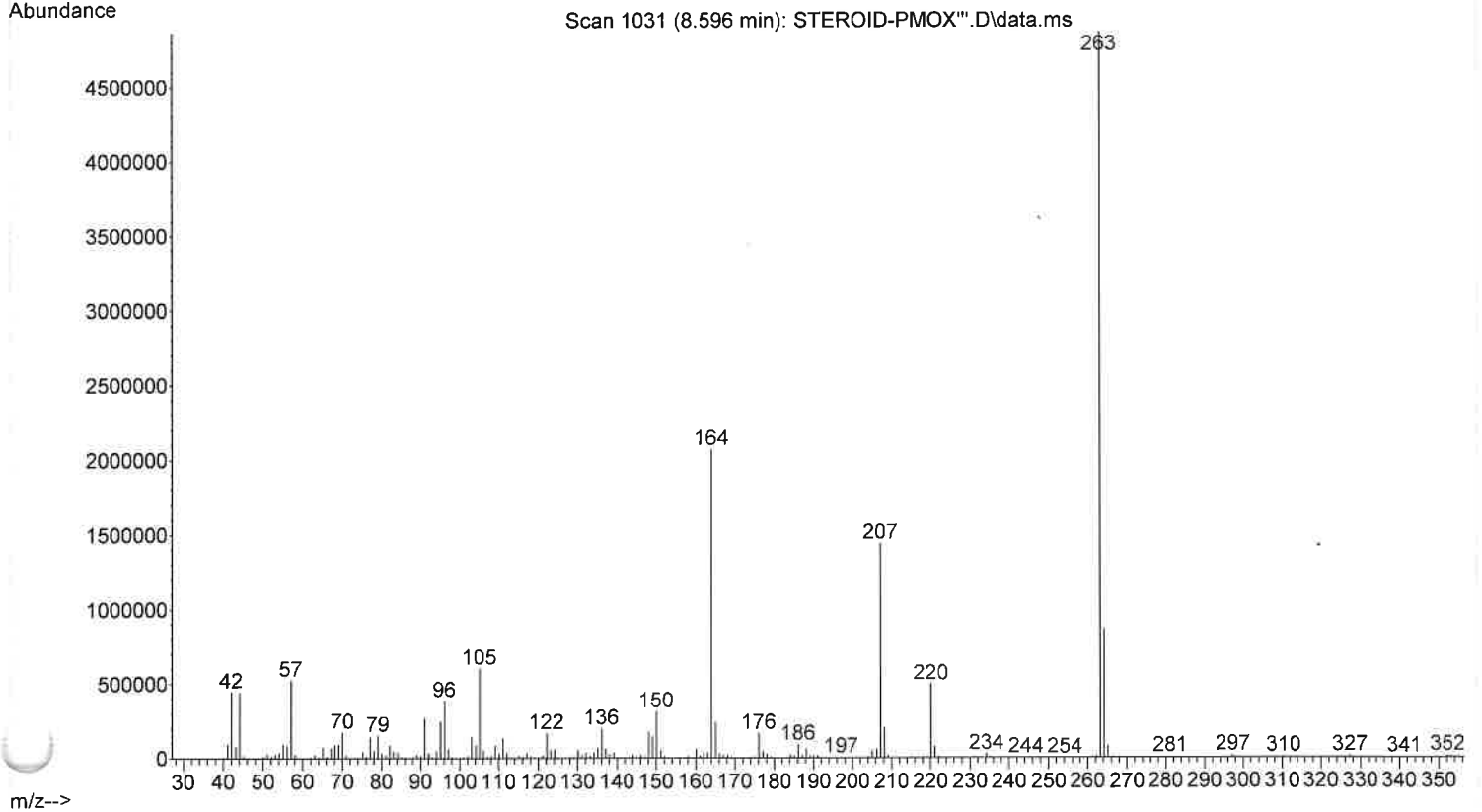
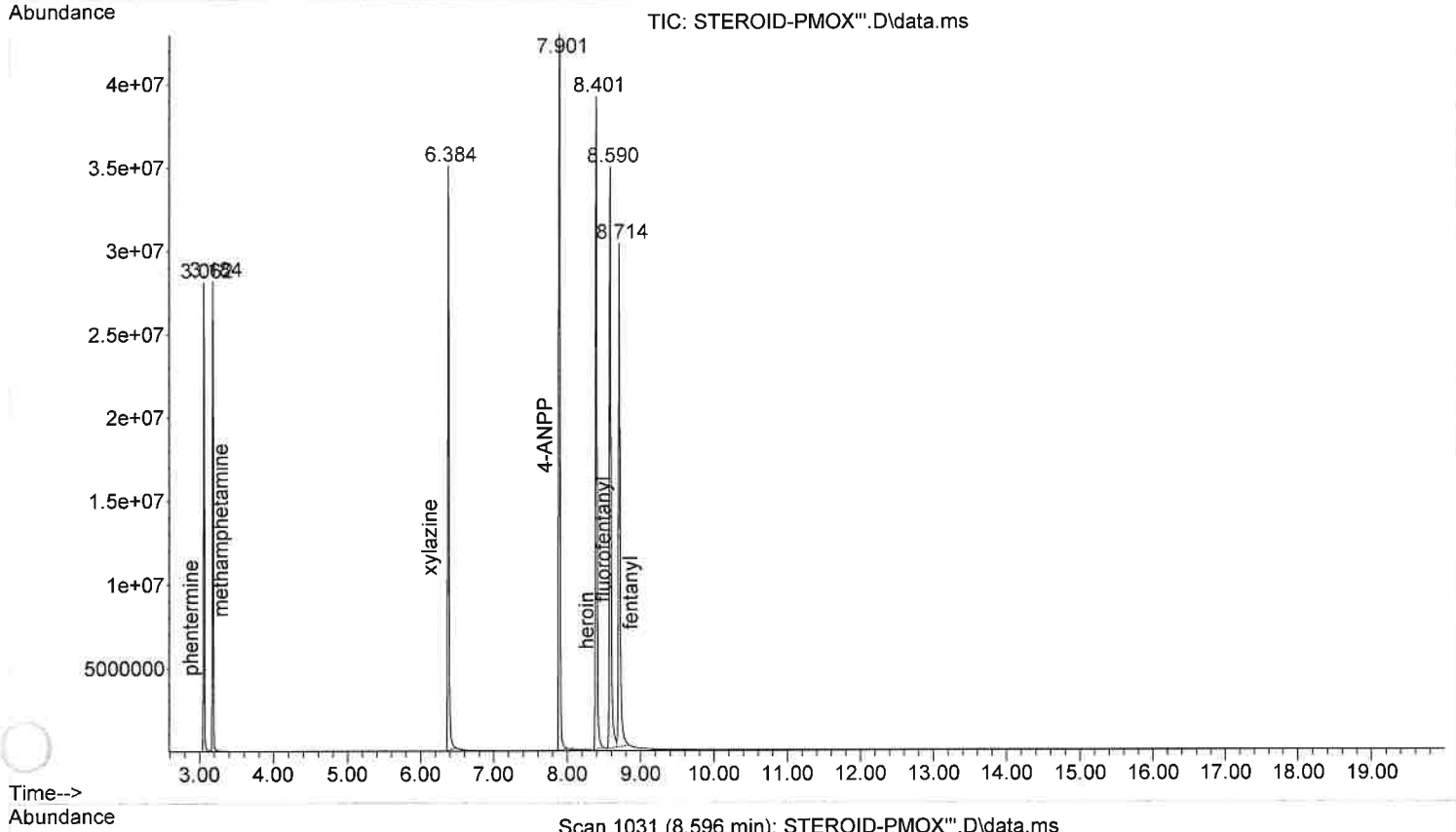
File :C:\MassHunter\GCMS\1\data\August 2024\STEROID-PMOX'''.D
Operator :
Acquired : 09 Aug 2024 12:40 using AcqMethod STEROID.M
Instrument : Wall-E
Sample Name: P-MOX std
Misc Info : CHCl3
Vial Number: 52



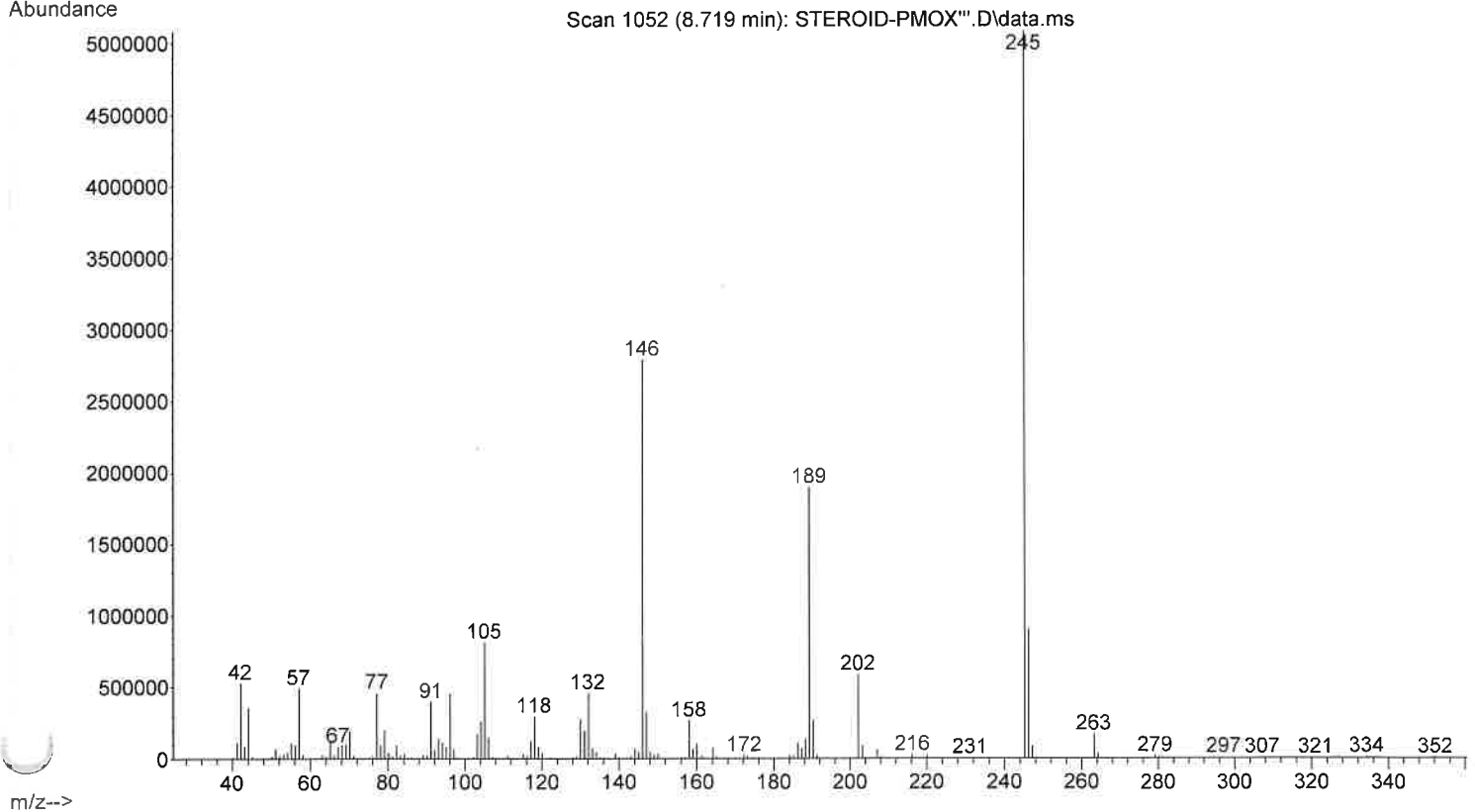
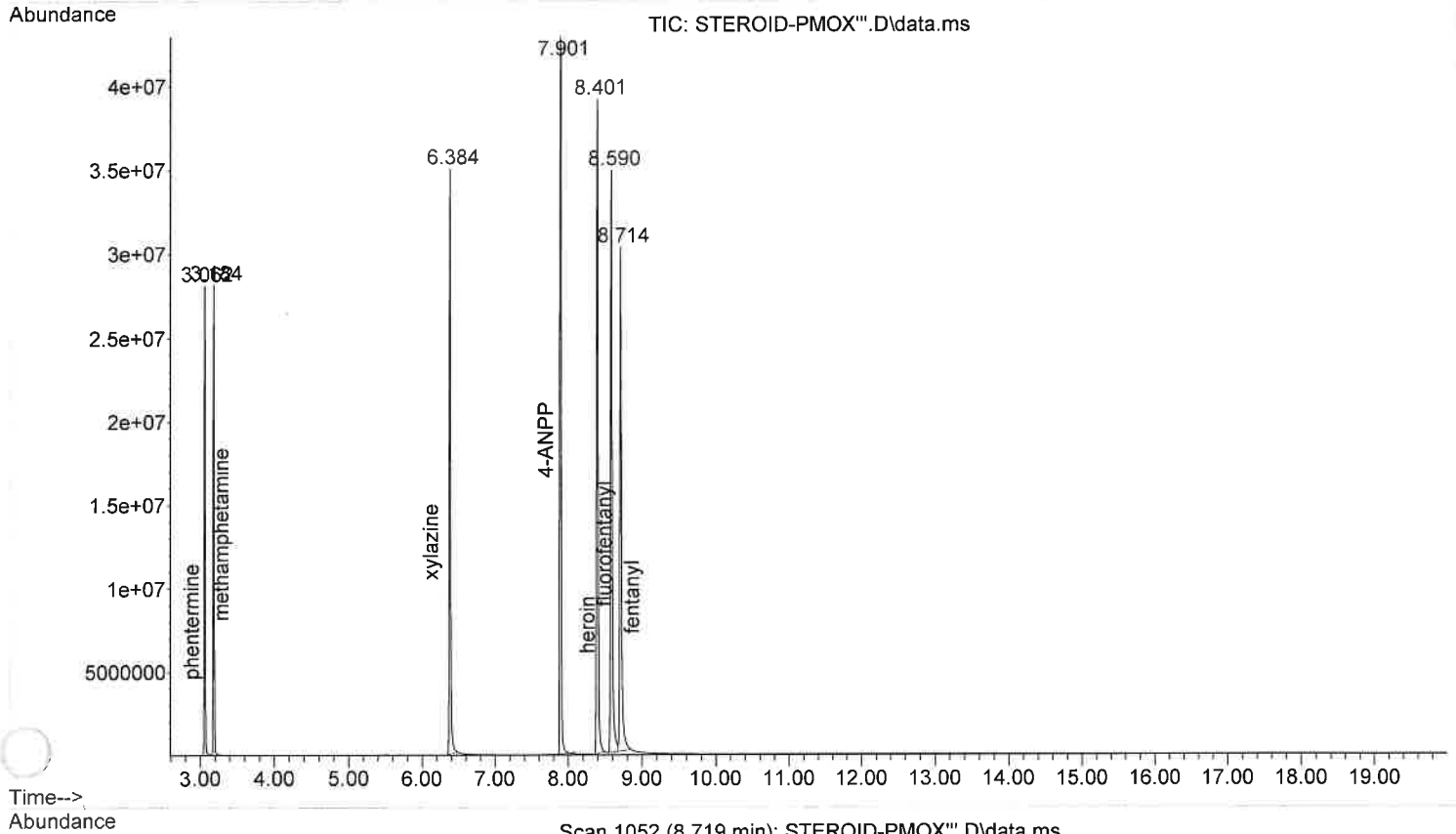
File :C:\MassHunter\GCMS\1\data\August 2024\STEROID-PMOX'''.D
Operator :
Acquired : 09 Aug 2024 12:40 using AcqMethod STERIOD.M
Instrument : Wall-E
Sample Name: P-MOX std
Misc Info : CHCl3
Vial Number: 52



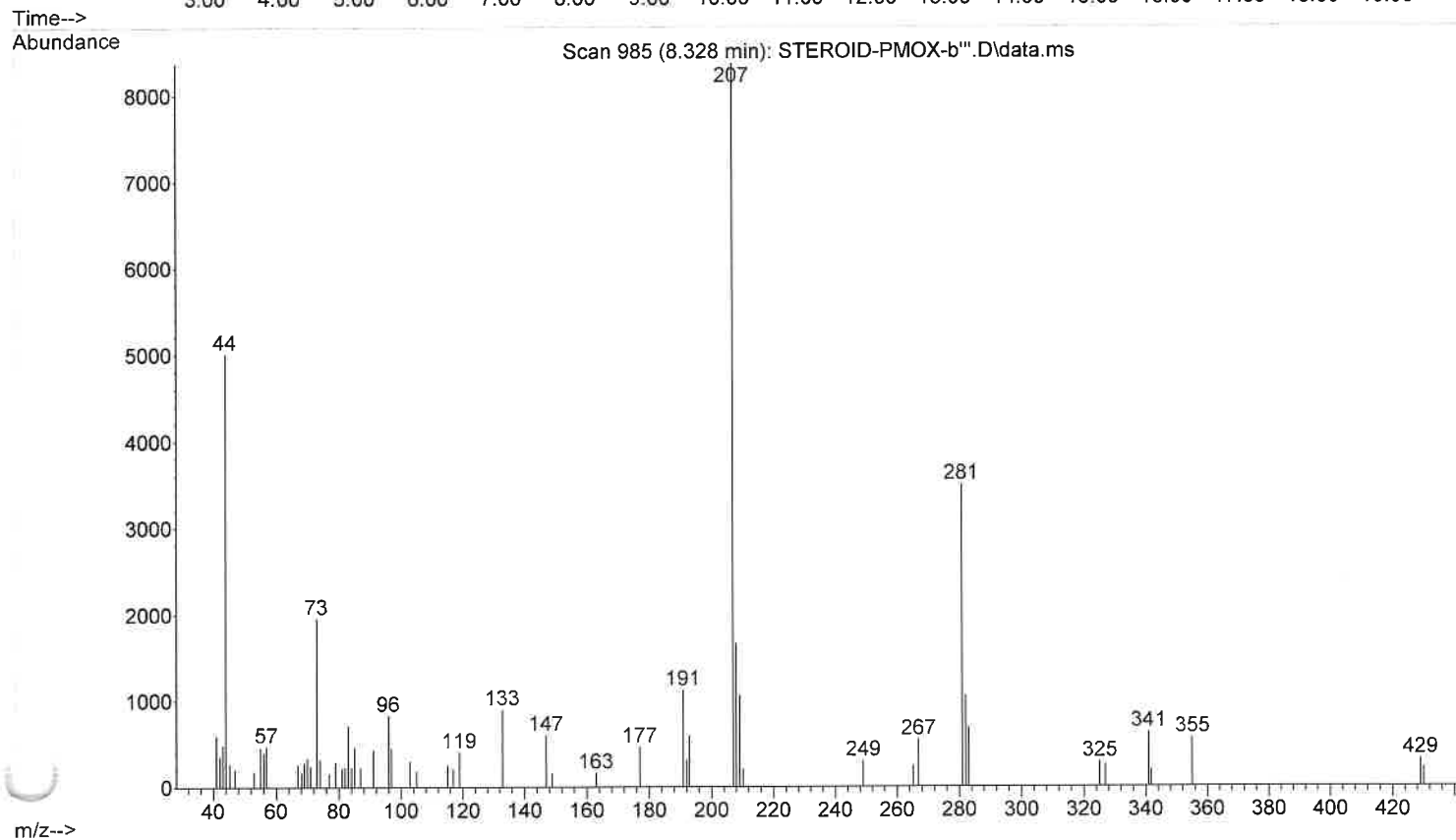
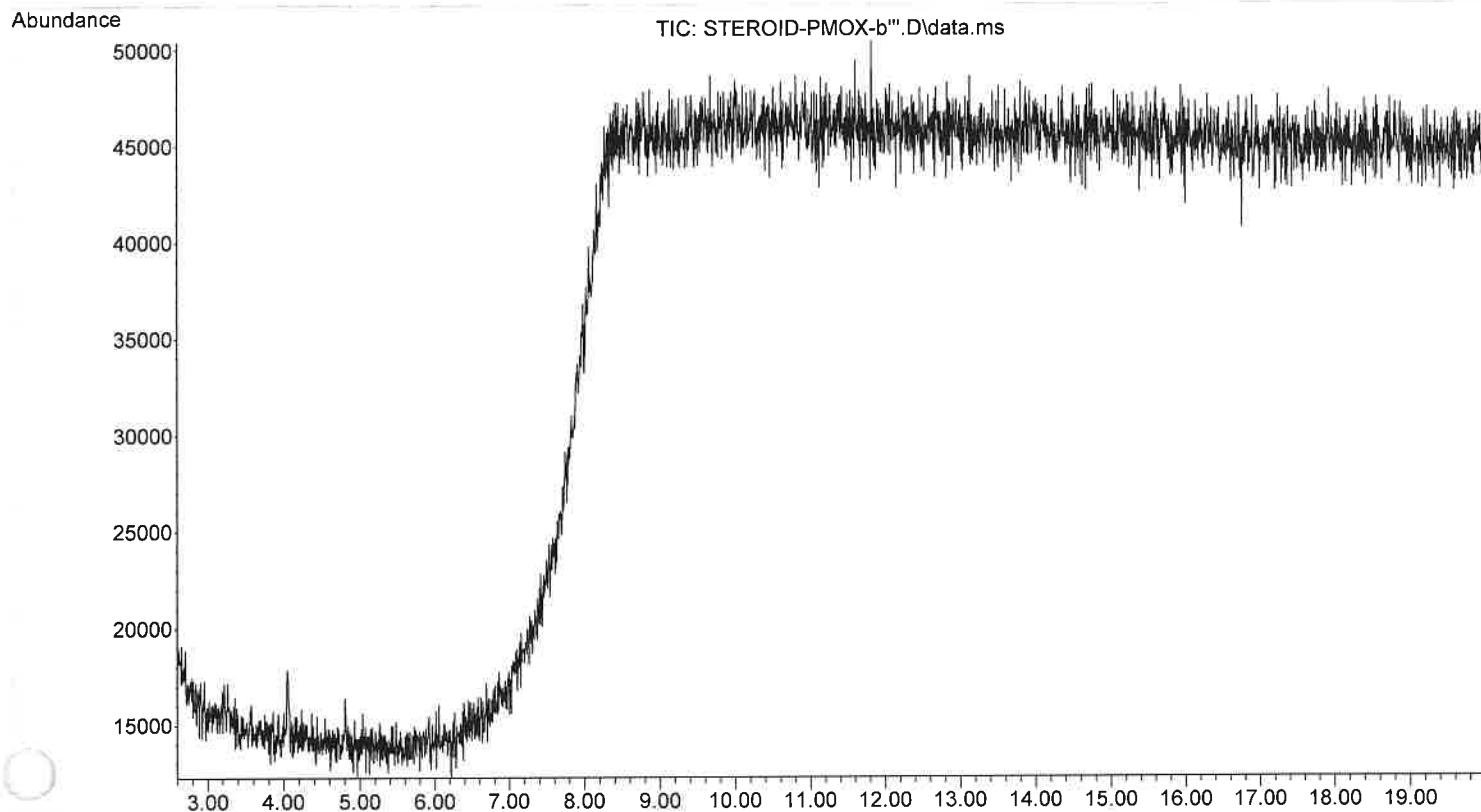
File :C:\MassHunter\GCMS\1\data\August 2024\STEROID-PMOX'''.D
Operator :
Acquired : 09 Aug 2024 12:40 using AcqMethod STEROID.M
Instrument : Wall-E
Sample Name: P-MOX std
Misc Info : CHCl3
Vial Number: 52



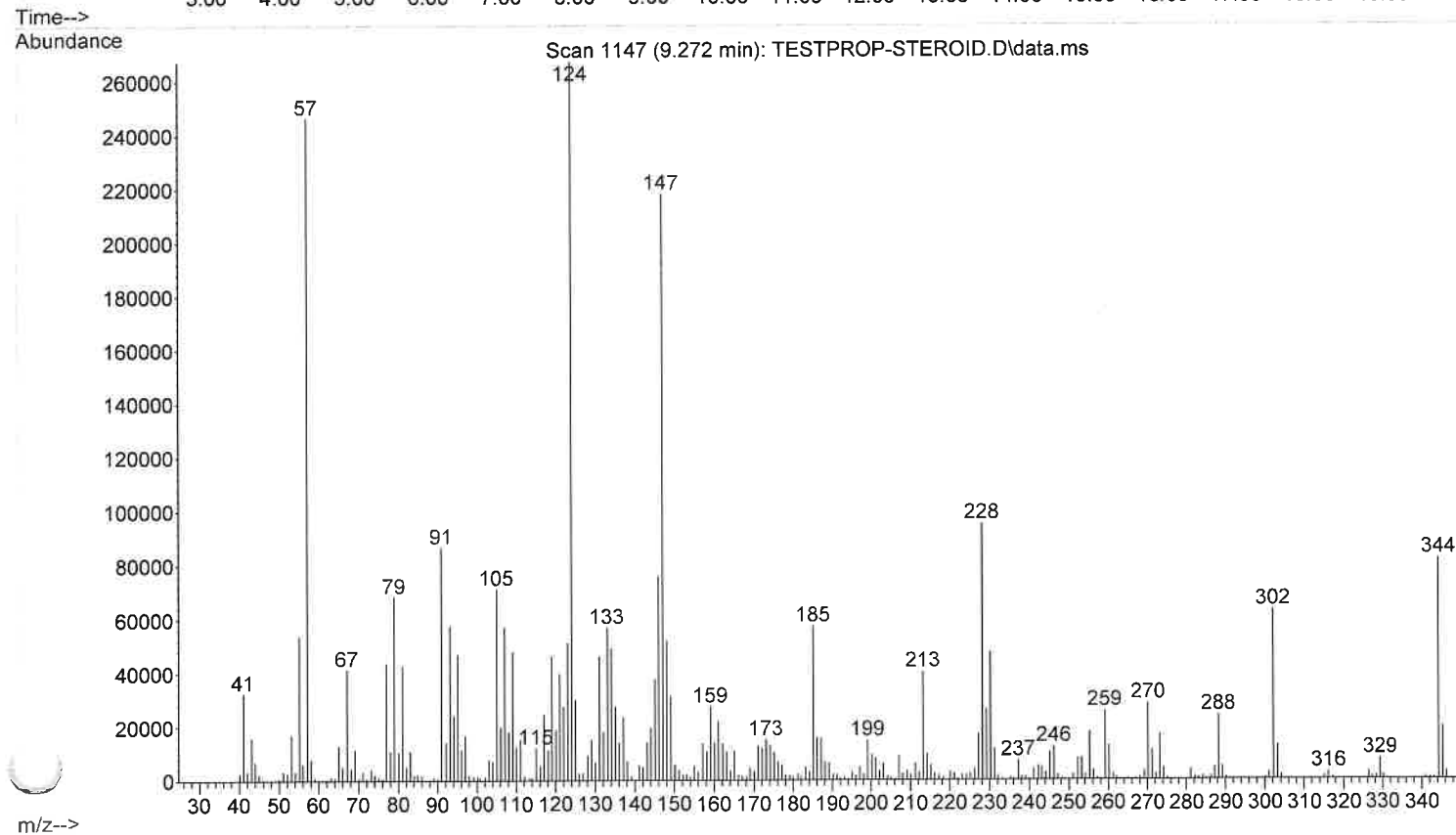
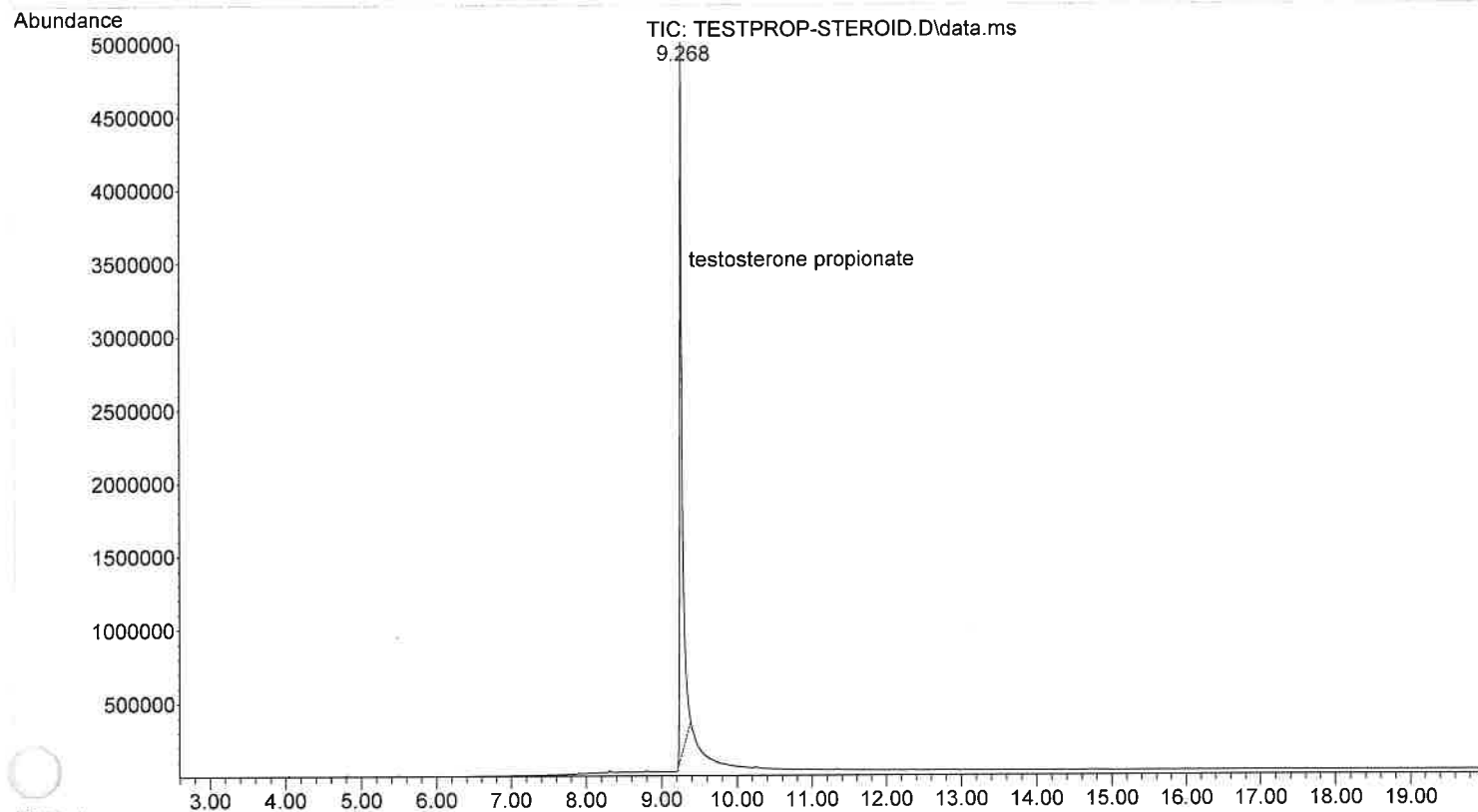
File :C:\MassHunter\GCMS\1\data\August 2024\STEROID-PMOX'''.D
Operator :
Acquired : 09 Aug 2024 12:40 using AcqMethod STEROID.M
Instrument : Wall-E
Sample Name: P-MOX std
Misc Info : CHCl3
Vial Number: 52



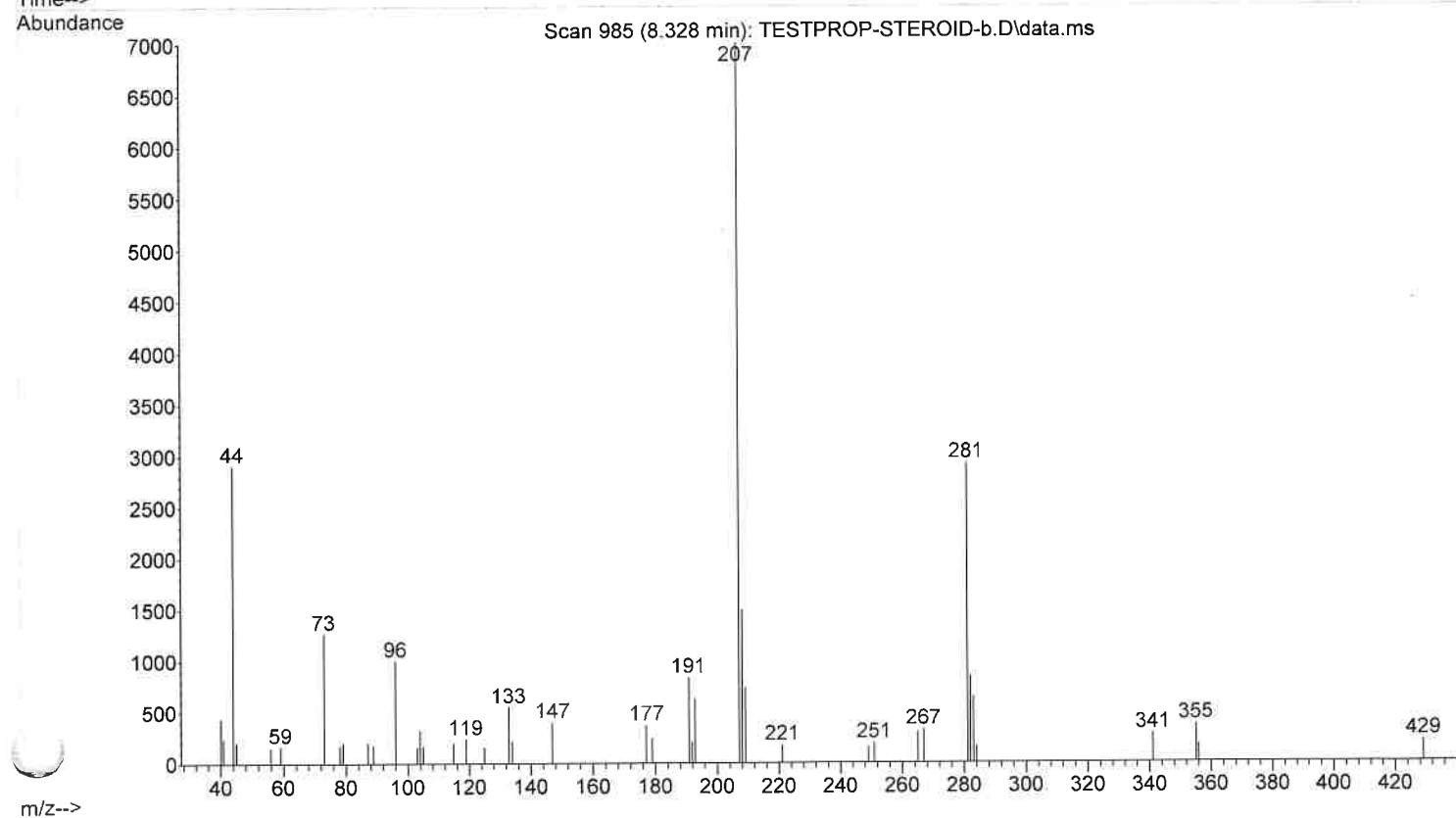
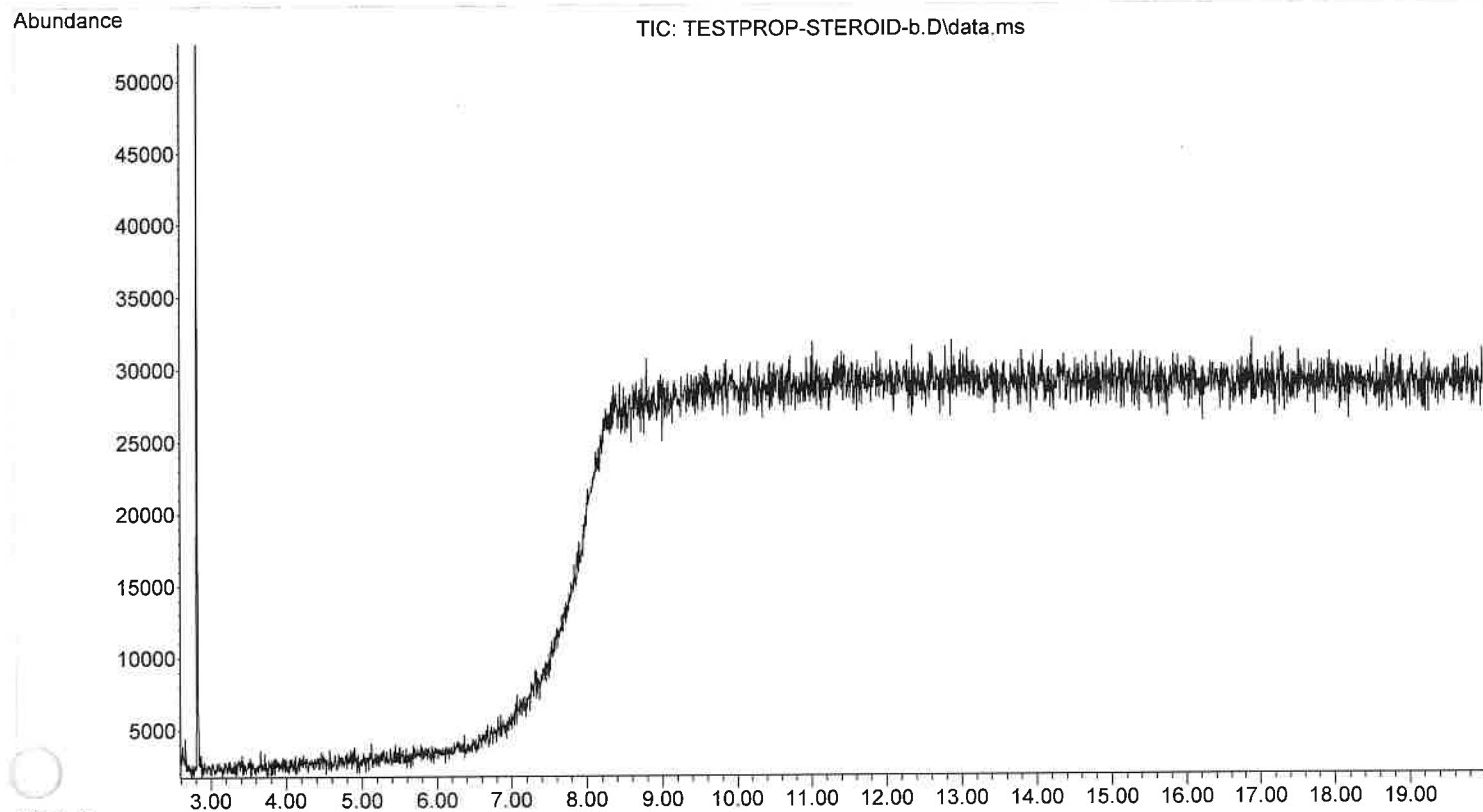
File :C:\MassHunter\GCMS\1\data\August 2024\STEROID-PMOX-b'''.D
Operator :
Acquired : 09 Aug 2024 12:16 using AcqMethod STEROID.M
Instrument : Wall-E
Sample Name: P-MOX std blank
Misc Info : CHCl3
Vial Number: 51



File :C:\MassHunter\GCMS\1\data\August 2024\TESTPROP-STEROID.D
Operator :
Acquired : 01 Aug 2024 19:19 using AcqMethod STERIOD.M
Instrument : Wall-E
Sample Name: testosterone propionate std
Misc Info : MeOH
Vial Number: 58



File :C:\MassHunter\GCMS\1\data\August 2024\TESTPROP-STEROID-b.D
Operator :
Acquired : 01 Aug 2024 18:56 using AcqMethod STEROID.M
Instrument : Wall-E
Sample Name: testosterone propionate std blank
Misc Info : MeOH
Vial Number: 51



METHOD CONTROL PARAMETERS

Method Information for: C:\MassHunter\GCMS\1\methods\THCCFMS.M

Method Sections To Run:

- () Save Copy of Method With Data
- () Instrument Control Pre-Run Cmd/Macro =
- () Data Analysis Pre-Run Cmd/Macro =
- (X) Data Acquisition
- (X) Data Analysis
- () Instrument Control Post-Run Cmd/Macro =
- () Data Analysis Post-Run Cmd/Macro =

Method Comments:

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	C:\MassHunter\GCMS\1\methods\THCCFMS.M
Tune file	ATUNE.U
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
Acquisition Type	Scan
Stop time (min)	10.00
Solvent delay (min)	1.00
Trace Ion Detection	False
Gain Factor	1
EM Saver	False
EM Saver Limit	N/A

Scan Time Segments

Time	Start Mass	End Mass	Threshold	Scan Speed
1.00	40	550	150	1,562 [N=2]

Timed Events

Time	Type of Event	Parameter
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Real-Time Plots

Type of Plot	Label	Low Mass	High Mass
Total Ion	N/A	N/A	N/A
Spectrum	N/A	N/A	N/A
Extracted Ion	Scan 1-1	50	550

Self-Cleaning Ion Source Parameters

Mode	No Cleaning
------	-------------

C:\MassHunter\GCMS\1\methods\THCCFMS.M

Mon Aug 05 15:27:14 2024

Control Information

Sample Inlet : GC
Injection Source : GC ALS
Injection Location: Front
Mass Spectrometer : Enabled

No Sample Prep method has been assigned to this method.

GC
GC Summary
Run Time 4.6667 min
Post Run Time 0 min

Oven
Temperature
Setpoint On
(Initial) 240 °C
Hold Time 0 min
Post Run 50 °C
Program
#1 Rate 15 °C/min
#1 Value 280 °C
#1 Hold Time 2 min

Equilibration Time 0.5 min
Temperature 325 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 1
Solvent A Washes (PostInj) 1
Solvent A Volume 8 µL
Solvent B Washes (PreInj) 1
Solvent B Washes (PostInj) 1
Solvent B Volume 8 µL
Sample Washes 1
Sample Wash Volume 8 µL
Sample Pumps 1
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 300 µL/min
Solvent Wash Dispense Speed 3000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 3000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.2 µL

Solvent Wash Mode

A, B

Back Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 0
Solvent A Washes (PostInj) 0
Solvent A Volume 8 µL
Solvent B Washes (PreInj) 0
Solvent B Washes (PostInj) 0
Solvent B Volume 8 µL
Sample Washes 0
Sample Wash Volume 8 µL
Sample Pumps 6
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 300 µL/min
Solvent Wash Dispense Speed 3000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 3000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.2 µL
Solvent Wash Mode A, B

Sample Overlap
Mode

Sample overlap is not enabled

ALS Errors

Pause for user interaction

Front SS Inlet He
Mode

Heater On 280 °C
Pressure On 15 psi
Total Flow On 36.909 mL/min
Septum Purge Flow On 3 mL/min
Gas Saver Off
Split Ratio 40 :1
Split Flow 33.082 mL/min
Liner A Liner has not been selected.

Back SS Inlet He
Excluded from Readiness

Mode ***Excluded from Affecting GC's Readiness State***
Split
Heater Off
Pressure Off
Total Flow Off
Septum Purge Flow On 3 mL/min
Gas Saver Off
Split Ratio 100 :1
Split Flow 191.41 mL/min
Liner A Liner has not been selected.

Thermal Aux 2 (MSD Transfer Line)

Temperature
Setpoint On
(Initial) 280 °C

Column
Column #1
Flow

Setpoint	On
(Initial)	0.82705 mL/min
Post Run	1.2439 mL/min
Column Information	Agilent 128-0112
DP-1MS	
Temperature Range	-60 °C-340 °C (360 °C)
Dimensions	12 m x 200 µm x 0.33 µm
In	Front SS Inlet He
Out	MSD
(Initial)	240 °C
Pressure	15 psi
Flow	0.82705 mL/min
Average Velocity	56.429 cm/sec
Holdup Time	0.35443 min
Control Mode	Constant Flow
Column #2	
Pressure	Off
Setpoint	10 psi
(Initial)	10 psi
Post Run	
Column Information	J&W 19091Z-211
HP-1	
Temperature Range	-60 °C-325 °C (325 °C)
Dimensions	15 m x 320 µm x 1 µm
In	Back SS Inlet He
Out	Front Detector FID
(Initial)	240 °C
Pressure	10 psi
Flow	1.9141 mL/min
Average Velocity	50.498 cm/sec
Holdup Time	0.49507 min
Control Mode	Constant Pressure
Column Outlet Pressure	0 psi
Front Detector FID	
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Makeup	He
Heater	Off
H2 Flow	Off
Air Flow	Off
Makeup Flow	Off
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	Off
Signals	
Signal #1: Test Plot	
Description	Test Plot
Save	Off
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #2:	
Description	None
Signal #3:	
Description	None
Signal #4:	
Description	None

TUNE PARAMETERS for SN: US10423610

Trace Ion Detection is OFF.

34.610	:	EMISSION	
70.347	:	ENERGY	
30.924	:	REPELLER	
89.208	:	IONFOCUS	
22.000	:	ENTRANCE_LENS	
1235.294	:	EMVOLTS	
		1235.294	: Actual EMV
		0.30	: GAIN FACTOR
2138.000	:	AMUGAIN	
121.625	:	AMUOFFSET	
2.000	:	FILAMENT	
0.000	:	DCPOLARITY	
19.075	:	ENTLENSOFFSET	
-586.000	:	MASSGAIN	
-38.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

METHOD CONTROL PARAMETERS

Method Information for: C:\MassHunter\GCMS\1\methods\THCMS.M

Method Sections To Run:

- () Save Copy of Method With Data
- () Instrument Control Pre-Run Cmd/Macro =
- () Data Analysis Pre-Run Cmd/Macro =
- (X) Data Acquisition
- (X) Data Analysis
- () Instrument Control Post-Run Cmd/Macro =
- () Data Analysis Post-Run Cmd/Macro =

Method Comments:

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	C:\MassHunter\GCMS\1\methods\THCMS.M
Tune file	ATUNE.U
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
Acquisition Type	Scan
Stop time (min)	10.00
Solvent delay (min)	1.00
Trace Ion Detection	False
Gain Factor	1
EM Saver	False
EM Saver Limit	N/A

Scan Time Segments

Time	Start Mass	End Mass	Threshold	Scan Speed
1.00	40	550	150	1,562 [N=2]

Timed Events

Time	Type of Event	Parameter
------	---------------	-----------

Real-Time Plots

Type of Plot	Label	Low Mass	High Mass
Total Ion	N/A	N/A	N/A
Spectrum	N/A	N/A	N/A
Extracted Ion	Scan 1-1	50	550

Self-Cleaning Ion Source Parameters

Mode	No Cleaning
------	-------------

C:\MassHunter\GCMS\1\methods\THCMS.M
Mon Aug 05 15:27:37 2024

Control Information

Sample Inlet : GC
Injection Source : GC ALS
Injection Location: Front
Mass Spectrometer : Enabled

No Sample Prep method has been assigned to this method.

GC
GC Summary
Run Time 8 min
Post Run Time 0 min

Oven
Temperature
Setpoint On
(Initial) 200 °C
Hold Time 2 min
Post Run 50 °C
Program
#1 Rate 10 °C/min
#1 Value 240 °C
#1 Hold Time 2 min

Equilibration Time 0.5 min
Temperature 325 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 1
Solvent A Washes (PostInj) 1
Solvent A Volume 8 µL
Solvent B Washes (PreInj) 1
Solvent B Washes (PostInj) 1
Solvent B Volume 8 µL
Sample Washes 1
Sample Wash Volume 8 µL
Sample Pumps 1
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 300 µL/min
Solvent Wash Dispense Speed 3000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 3000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.2 µL

Solvent Wash Mode	A, B
Back Injector	
Syringe Size	10 µL
Injection Volume	1 µL
Solvent A Washes (PreInj)	0
Solvent A Washes (PostInj)	0
Solvent A Volume	8 µL
Solvent B Washes (PreInj)	0
Solvent B Washes (PostInj)	0
Solvent B Volume	8 µL
Sample Washes	0
Sample Wash Volume	8 µL
Sample Pumps	6
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	3000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	3000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Solvent Wash Mode	A, B
Sample Overlap Mode	Sample overlap is not enabled
ALS Errors	Pause for user interaction
Front SS Inlet He Mode	Split
Heater	On 250 °C
Pressure	On 9 psi
Total Flow	On 33.78 mL/min
Septum Purge Flow	On 3 mL/min
Gas Saver	Off
Split Ratio	50 :1
Split Flow	30.177 mL/min
Liner	A Liner has not been selected.
Back SS Inlet He Mode	***Excluded from Affecting GC's Readiness State***
Excluded from Readiness Mode	Split
Heater	Off
Pressure	Off
Total Flow	Off
Septum Purge Flow	On 3 mL/min
Gas Saver	Off
Split Ratio	100 :1
Split Flow	219.37 mL/min
Liner	A Liner has not been selected.
Thermal Aux 2 (MSD Transfer Line) Temperature	
Setpoint (Initial)	On 280 °C
Column	
Column #1	
Flow	

Setpoint	On
(Initial)	0.60353 mL/min
Post Run	1.2439 mL/min
Column Information	Agilent 128-0112
DP-1MS	
Temperature Range	-60 °C-340 °C (360 °C)
Dimensions	12 m x 200 µm x 0.33 µm
In	Front SS Inlet He
Out	MSD
(Initial)	200 °C
Pressure	9 psi
Flow	0.60353 mL/min
Average Velocity	47.583 cm/sec
Holdup Time	0.42032 min
Control Mode	Constant Flow
Column #2	
Pressure	Off
Setpoint	10 psi
(Initial)	10 psi
Post Run	10 psi
Column Information	J&W 19091Z-211
HP-1	
Temperature Range	-60 °C-325 °C (325 °C)
Dimensions	15 m x 320 µm x 1 µm
In	Back SS Inlet He
Out	Front Detector FID
(Initial)	200 °C
Pressure	10 psi
Flow	2.1937 mL/min
Average Velocity	53.363 cm/sec
Holdup Time	0.46849 min
Control Mode	Constant Pressure
Column Outlet Pressure	0 psi
Front Detector FID	
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Makeup	He
Heater	Off
H2 Flow	Off
Air Flow	Off
Makeup Flow	Off
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	Off
Signals	
Signal #1: Test Plot	
Description	Test Plot
Save	Off
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #2:	
Description	None
Signal #3:	
Description	None
Signal #4:	
Description	None

TUNE PARAMETERS for SN: US10423610

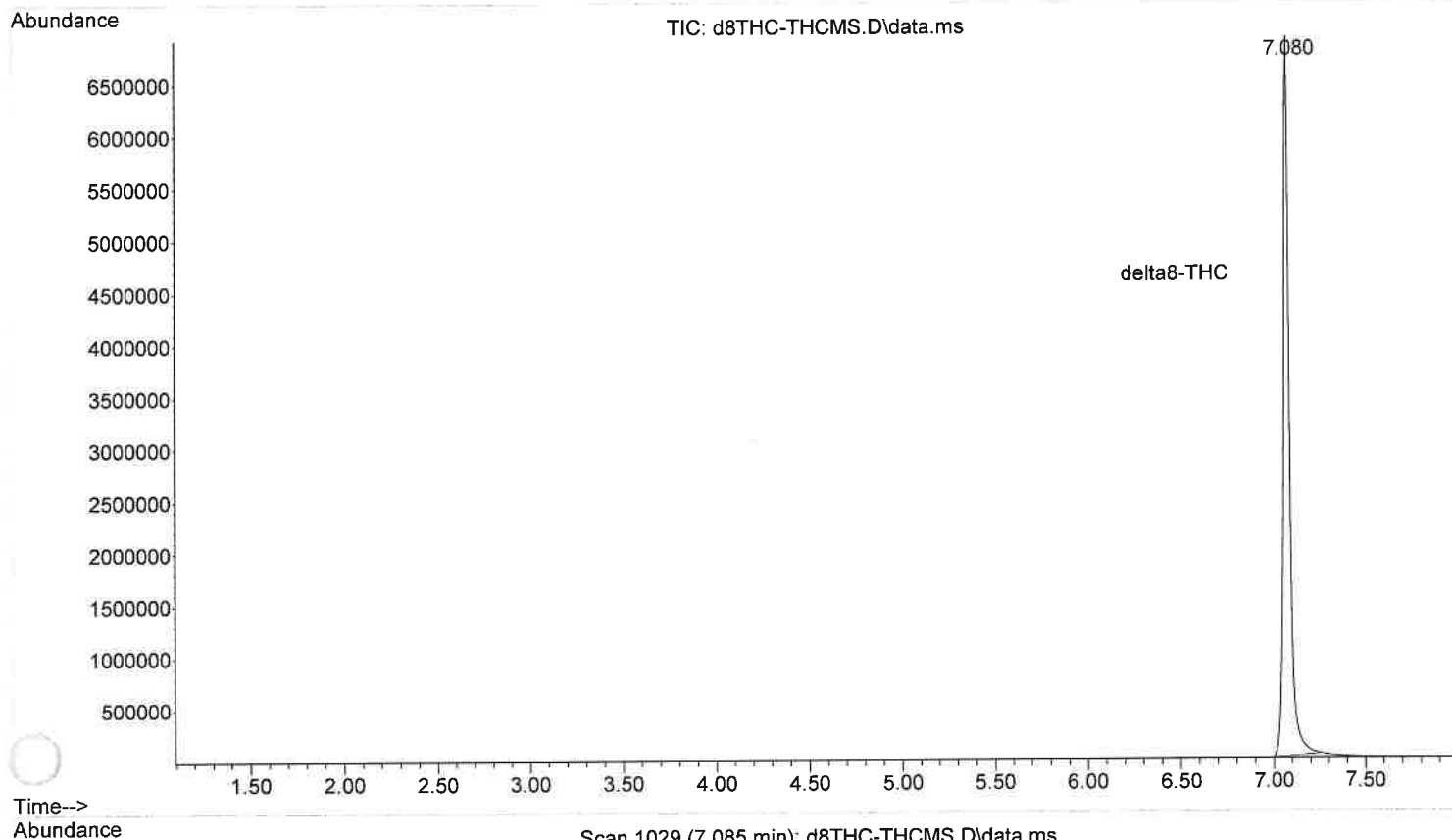
Trace Ion Detection is OFF.

34.610	:	EMISSION	
70.347	:	ENERGY	
30.924	:	REPELLER	
89.208	:	IONFOCUS	
22.000	:	ENTRANCE LENS	
1235.294	:	EMVOLTS	
		1235.294	: Actual EMV
		0.30	: GAIN FACTOR
2138.000	:	AMUGAIN	
121.625	:	AMUOFFSET	
2.000	:	FILAMENT	
0.000	:	DCPOLARITY	
19.075	:	ENTLENSOFFSET	
-586.000	:	MASSGAIN	
-38.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

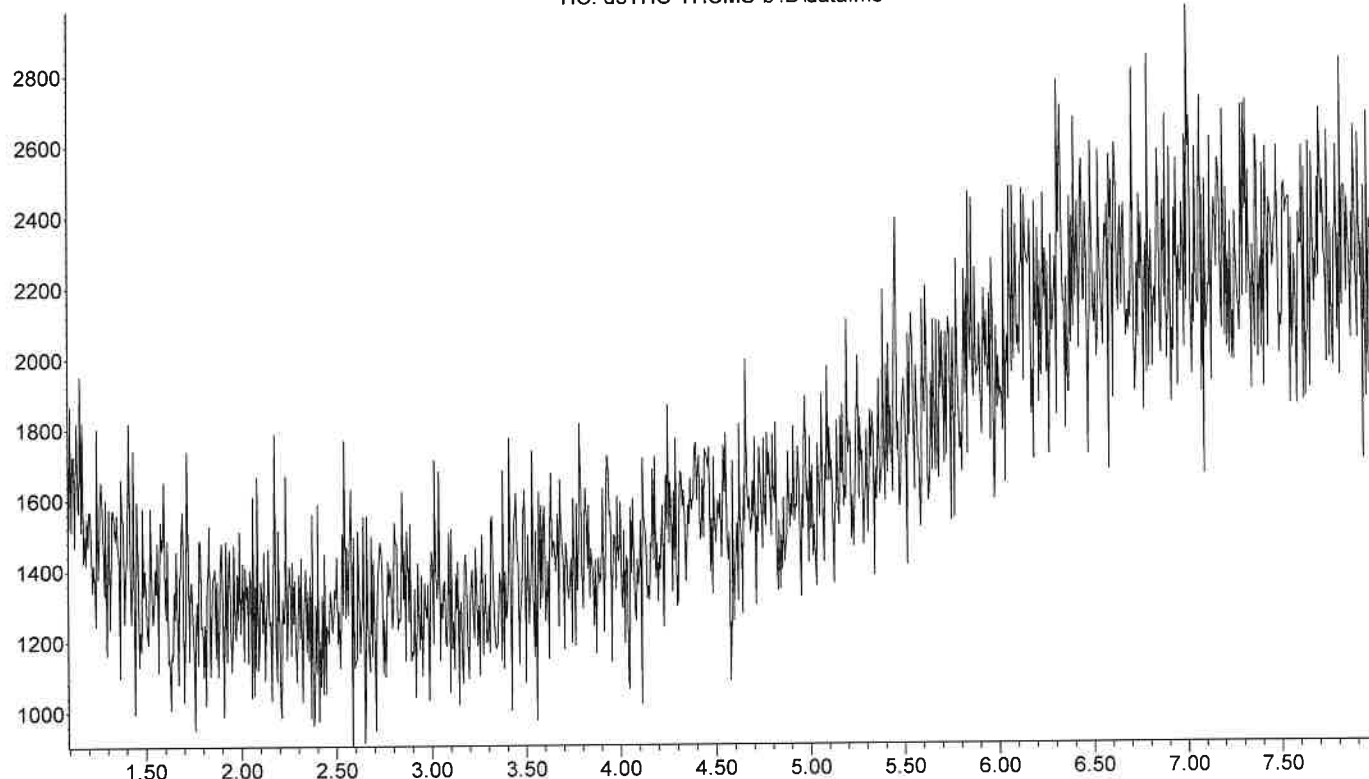
File :C:\MassHunter\GCMS\1\data\August 2024\d8THC-THCMS.D
Operator :
Acquired : 02 Aug 2024 12:55 using AcqMethod THCMS.M
Instrument : Wall-E
Sample Name: delta8 THC std
Misc Info : MeOH
Vial Number: 52



File :C:\MassHunter\GCMS\1\data\August 2024\d8THC-THCMS-b'.D
Operator :
Acquired : 02 Aug 2024 12:44 using AcqMethod THCMS.M
Instrument : Wall-E
Sample Name: delta8 THC std blank
Misc Info : MeOH
Vial Number: 51

Abundance

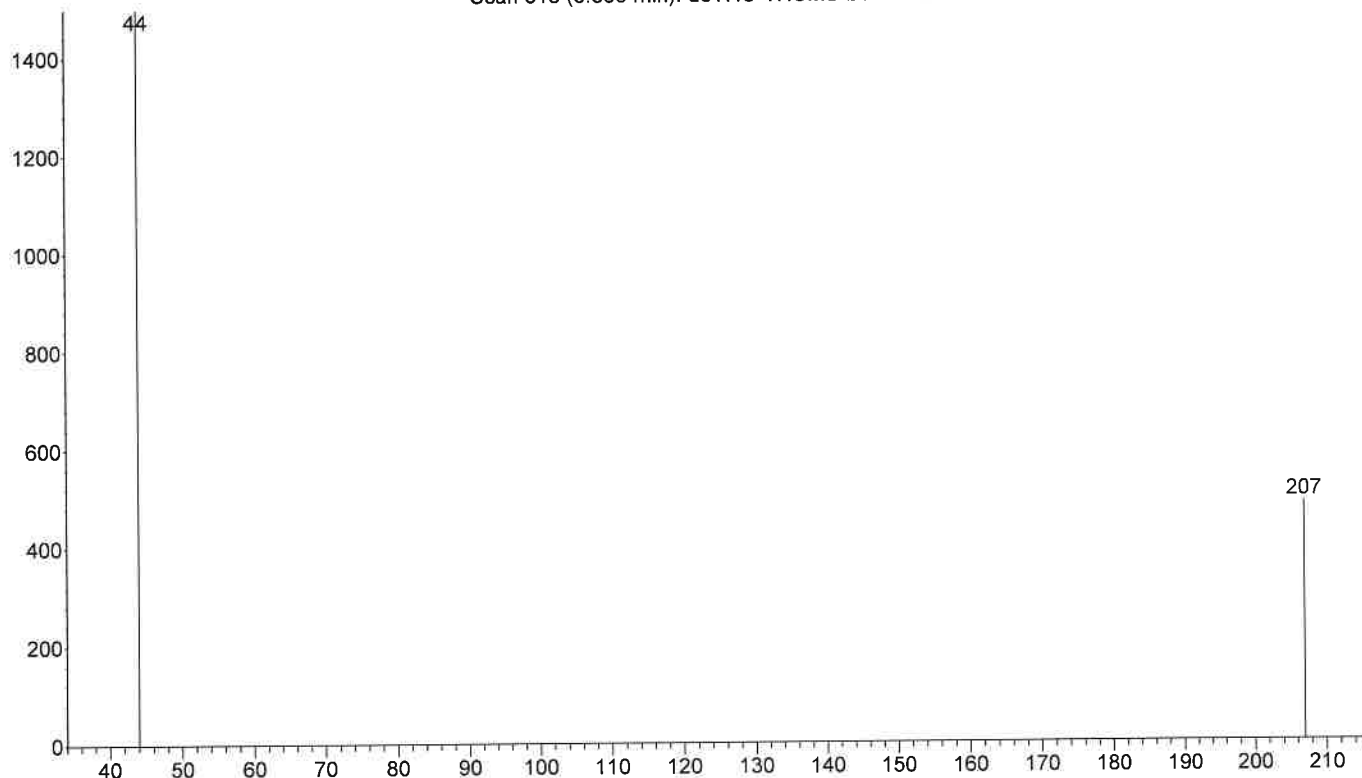
TIC: d8THC-THCMS-b'.D\data.ms



Time-->

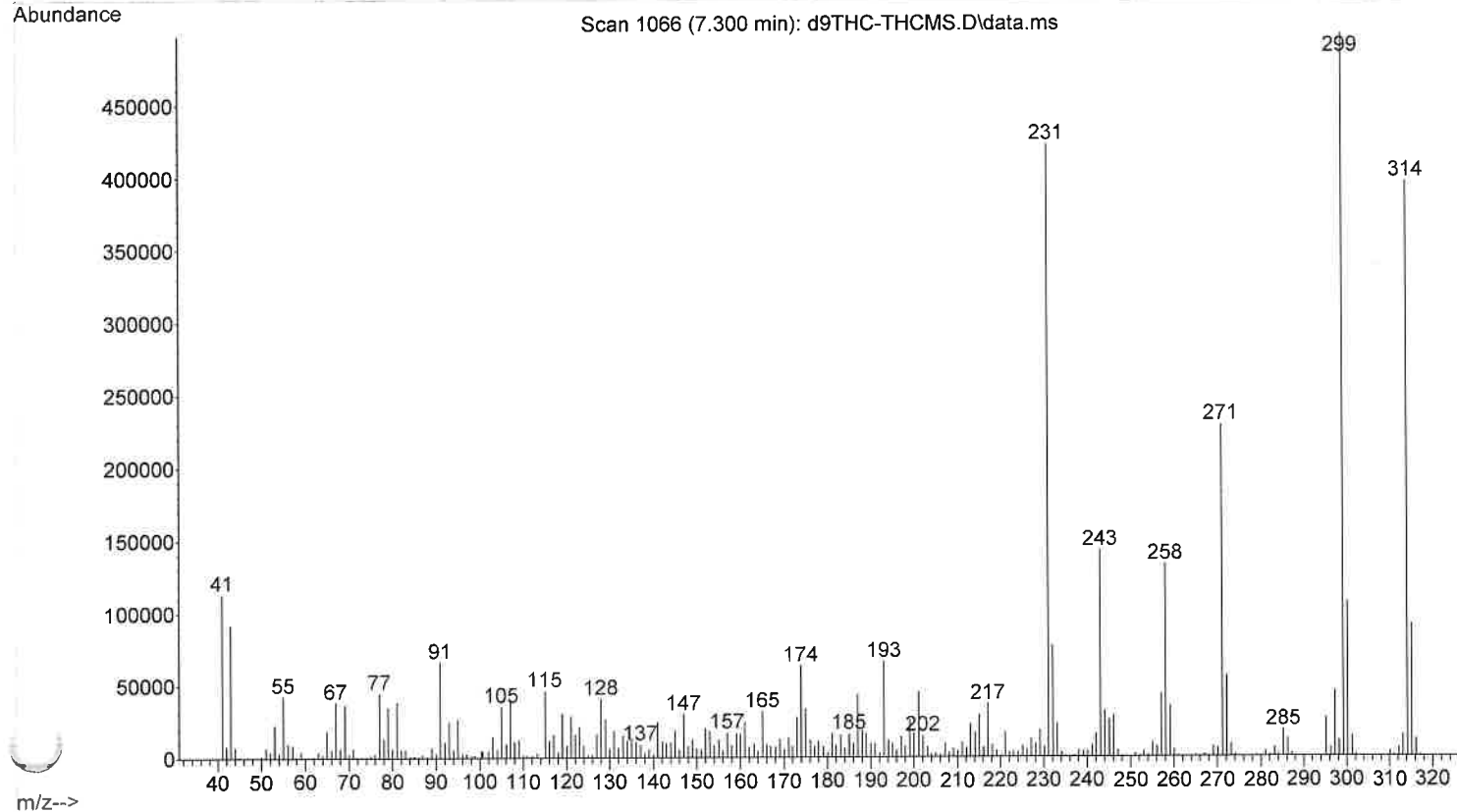
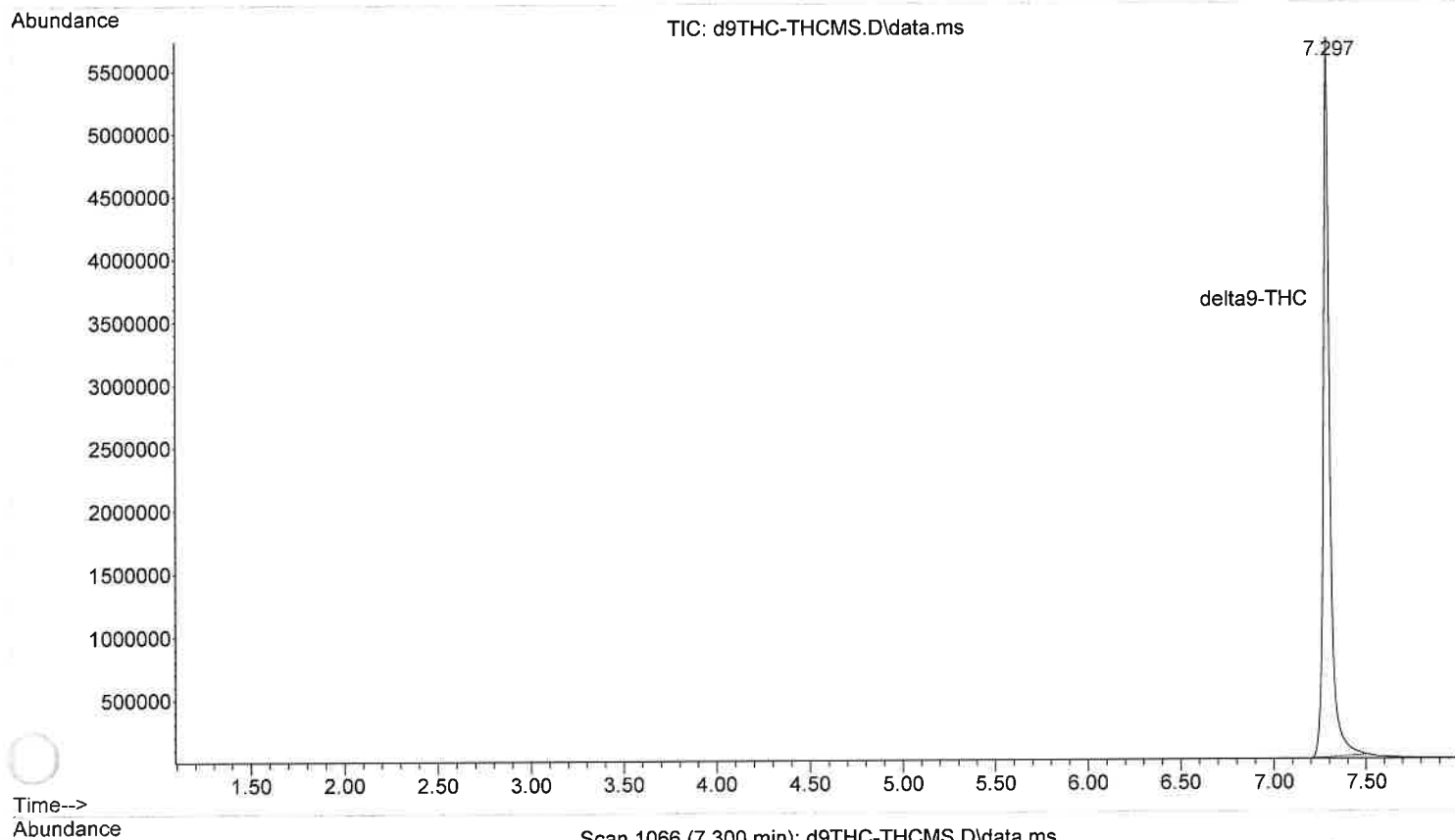
Abundance

Scan 818 (5.855 min): d8THC-THCMS-b'.D\data.ms

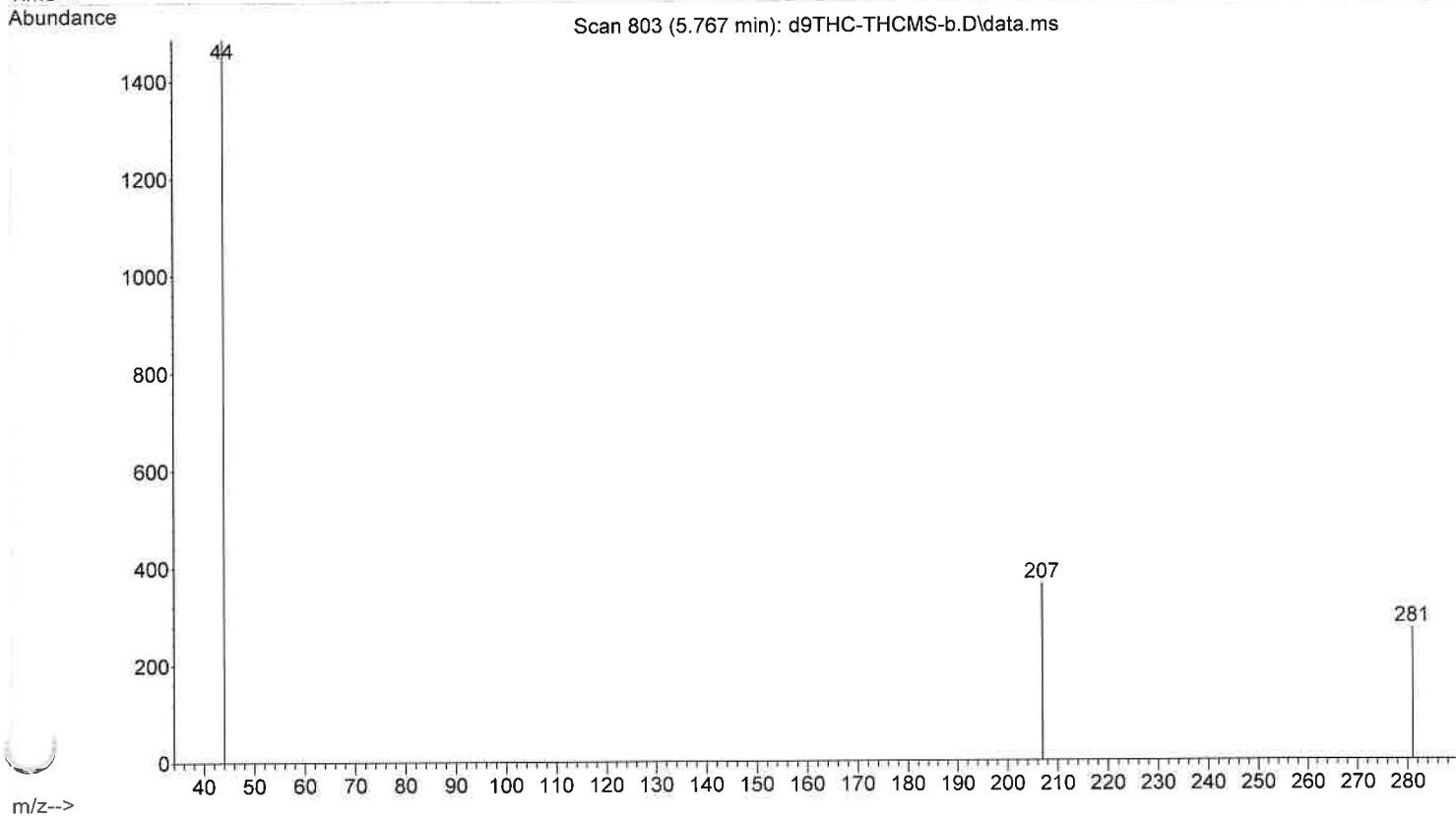
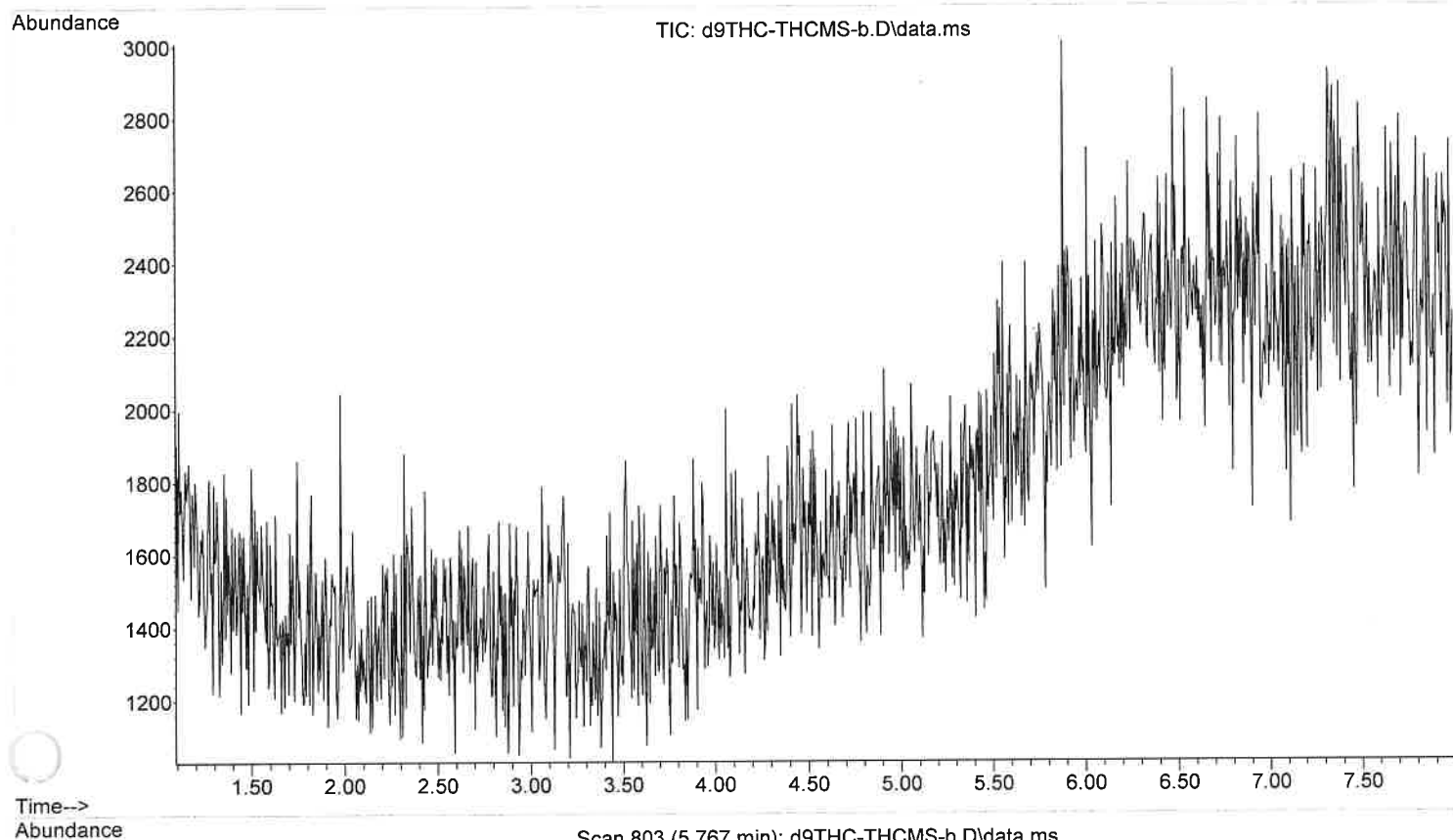


m/z-->

File :C:\MassHunter\GCMS\1\data\August 2024\d9THC-THCMS.D
Operator :
Acquired : 02 Aug 2024 13:16 using AcqMethod THCMS.M
Instrument : Wall-E
Sample Name: delta9 THC std
Misc Info : MeOH
Vial Number: 53



File :C:\MassHunter\GCMS\1\data\August 2024\d9THC-THCMS-b.D
Operator :
Acquired : 02 Aug 2024 13:05 using AcqMethod THCMS.M
Instrument : Wall-E
Sample Name: delta9 THC std blank
Misc Info : MeOH
Vial Number: 51



METHOD CONTROL PARAMETERS

Method Information for: C:\MassHunter\GCMS\1\methods\XLDRUGS.m

Method Sections To Run:

- () Save Copy of Method With Data
- () Instrument Control Pre-Run Cmd/Macro =
- () Data Analysis Pre-Run Cmd/Macro =
- (X) Data Acquisition
- (X) Data Analysis
- () Instrument Control Post-Run Cmd/Macro =
- () Data Analysis Post-Run Cmd/Macro =

Method Comments:

XLDRUGS

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	C:\MassHunter\GCMS\1\methods\XLDUGS.m
Tune file	ATUNE.U
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
Acquisition Type	Scan
Stop time (min)	10.00
Solvent delay (min)	2.50
Trace Ion Detection	False
Gain Factor	1
EM Saver	False
EM Saver Limit	N/A

Scan Time Segments

Time	Start Mass	End Mass	Threshold	Scan Speed
2.50	40	550	100	1,562 [N=2]

Timed Events

Time	Type of Event	Parameter
------	---------------	-----------

Real-Time Plots

Type of Plot	Label	Low Mass	High Mass
Total Ion	N/A	N/A	N/A
Spectrum	N/A	N/A	N/A
Extracted Ion	Scan 1-1	50	550

Self-Cleaning Ion Source Parameters

Mode	No Cleaning
------	-------------

C:\MassHunter\GCMS\1\methods\XLDRUGS.m

Mon Aug 05 15:28:08 2024

Control Information

Sample Inlet : GC
Injection Source : GC ALS
Injection Location: Front
Mass Spectrometer : Enabled

No Sample Prep method has been assigned to this method.

GC
GC Summary
Run Time 28.058 min
Post Run Time 0 min

Oven
Temperature
Setpoint On
(Initial) 70 °C
Hold Time 0 min
Post Run 50 °C
Program
#1 Rate 15 °C/min
#1 Value 150 °C
#1 Hold Time 3 min
#2 Rate 40 °C/min
#2 Value 299 °C
#2 Hold Time 16 min

Equilibration Time 0 min
Max Temperature 325 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 1
Solvent A Washes (PostInj) 1
Solvent A Volume 8 µL
Solvent B Washes (PreInj) 1
Solvent B Washes (PostInj) 1
Solvent B Volume 8 µL
Sample Washes 1
Sample Wash Volume 8 µL
Sample Pumps 1
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 300 µL/min
Solvent Wash Dispense Speed 3000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 3000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec

Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Solvent Wash Mode	A, B
Back Injector	
Inge Size	10 µL
Injection Volume	1 µL
Solvent A Washes (PreInj)	0
Solvent A Washes (PostInj)	0
Solvent A Volume	8 µL
Solvent B Washes (PreInj)	0
Solvent B Washes (PostInj)	0
Solvent B Volume	8 µL
Sample Washes	0
Sample Wash Volume	8 µL
Sample Pumps	6
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	3000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	3000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Solvent Wash Mode	A, B
Sample Overlap	
Mode	Sample overlap is not enabled
ALS Errors	Pause for user interaction
Front SS Inlet He	
Heater	On 250 °C
Pressure	On 10 psi
Total Flow	On 37.862 mL/min
Septum Purge Flow	On 3 mL/min
Gas Saver	Off
Split Ratio	30 :1
Split Flow	33.737 mL/min
Liner	A Liner has not been selected.
Back SS Inlet He	
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Mode	Split
Heater	Off
Pressure	Off
Total Flow	Off
Septum Purge Flow	Off
Gas Saver	Off
Split Ratio	100 :1
Split Flow	376.33 mL/min
Liner	A Liner has not been selected.
Thermal Aux 2 (MSD Transfer Line)	
Temperature	
Setpoint	On
(Initial)	280 °C

Column	
Column #1	
Flow	
Setpoint	Off
(Initial)	1.1246 mL/min
Post Run	1.2439 mL/min
Column Information	Agilent 128-0112
DB-1ms	
Temperature Range	-60 °C-340 °C (340 °C)
Dimensions	12 m x 200 µm x 0.33 µm
In	Front SS Inlet He
Out	MSD
(Initial)	70 °C
Pressure	10 psi
Flow	1.1246 mL/min
Average Velocity	61.698 cm/sec
Holdup Time	0.32416 min
Control Mode	Constant Flow
Column #2	
Pressure	
Setpoint	Off
(Initial)	10 psi
Post Run	10 psi
Column Information	J&W 19091Z-211
HP-1	
Temperature Range	-60 °C-325 °C (325 °C)
Dimensions	15 m x 320 µm x 1 µm
In	Back SS Inlet He
Out	Front Detector FID
(Initial)	70 °C
Pressure	10 psi
Flow	3.7633 mL/min
Average Velocity	66.391 cm/sec
Holdup Time	0.37656 min
Control Mode	Constant Pressure
Column Outlet Pressure	0 psi
Front Detector FID	
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Makeup	He
Heater	Off
H2 Flow	Off
Air Flow	Off
Makeup Flow	Off
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	Off
Signals	
Signal #1: Test Plot	
Description	Test Plot
Save	Off
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #2:	
Description	None
Signal #3:	
Description	None

Signal #4:
Description

None

TUNE PARAMETERS for SN: US10423610

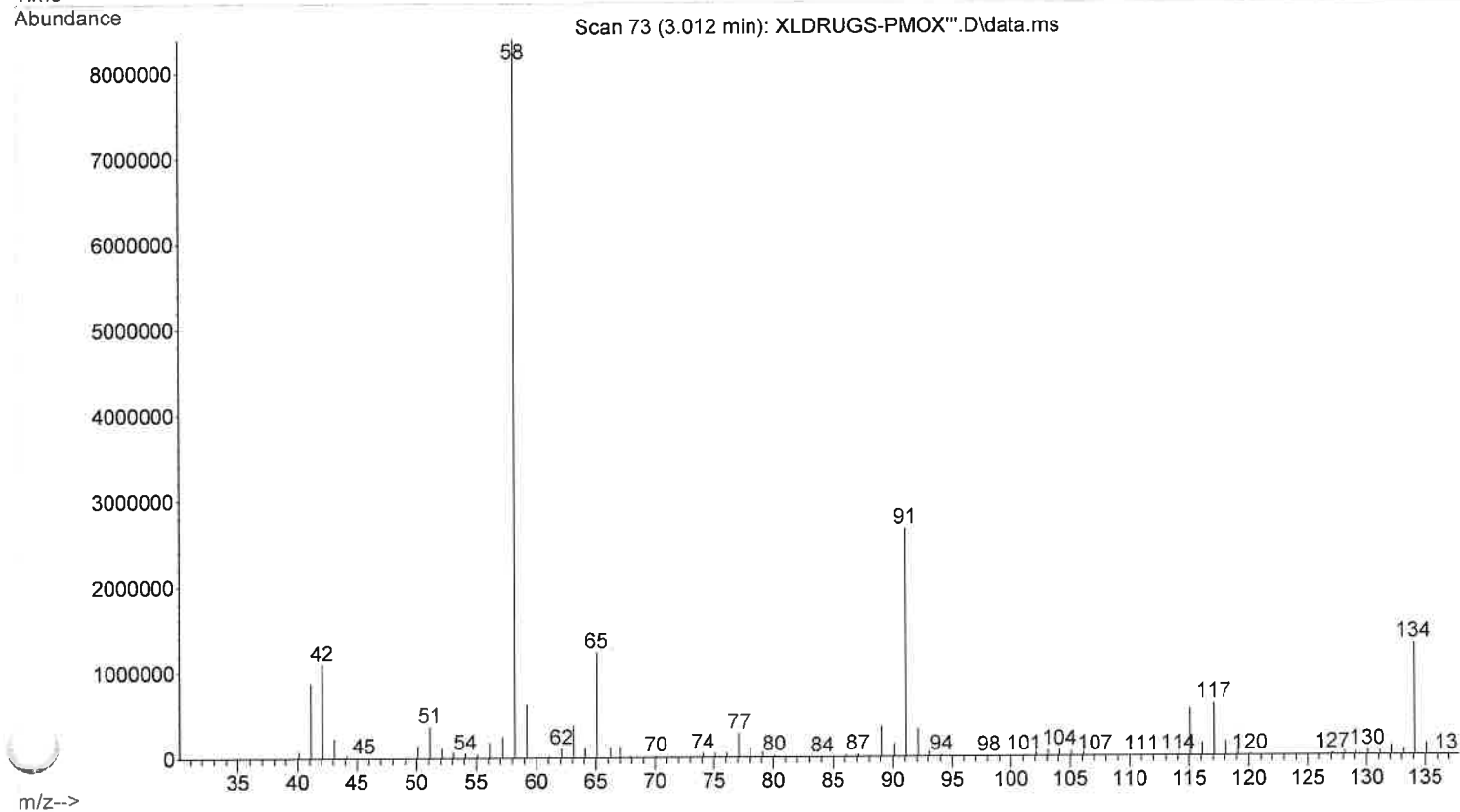
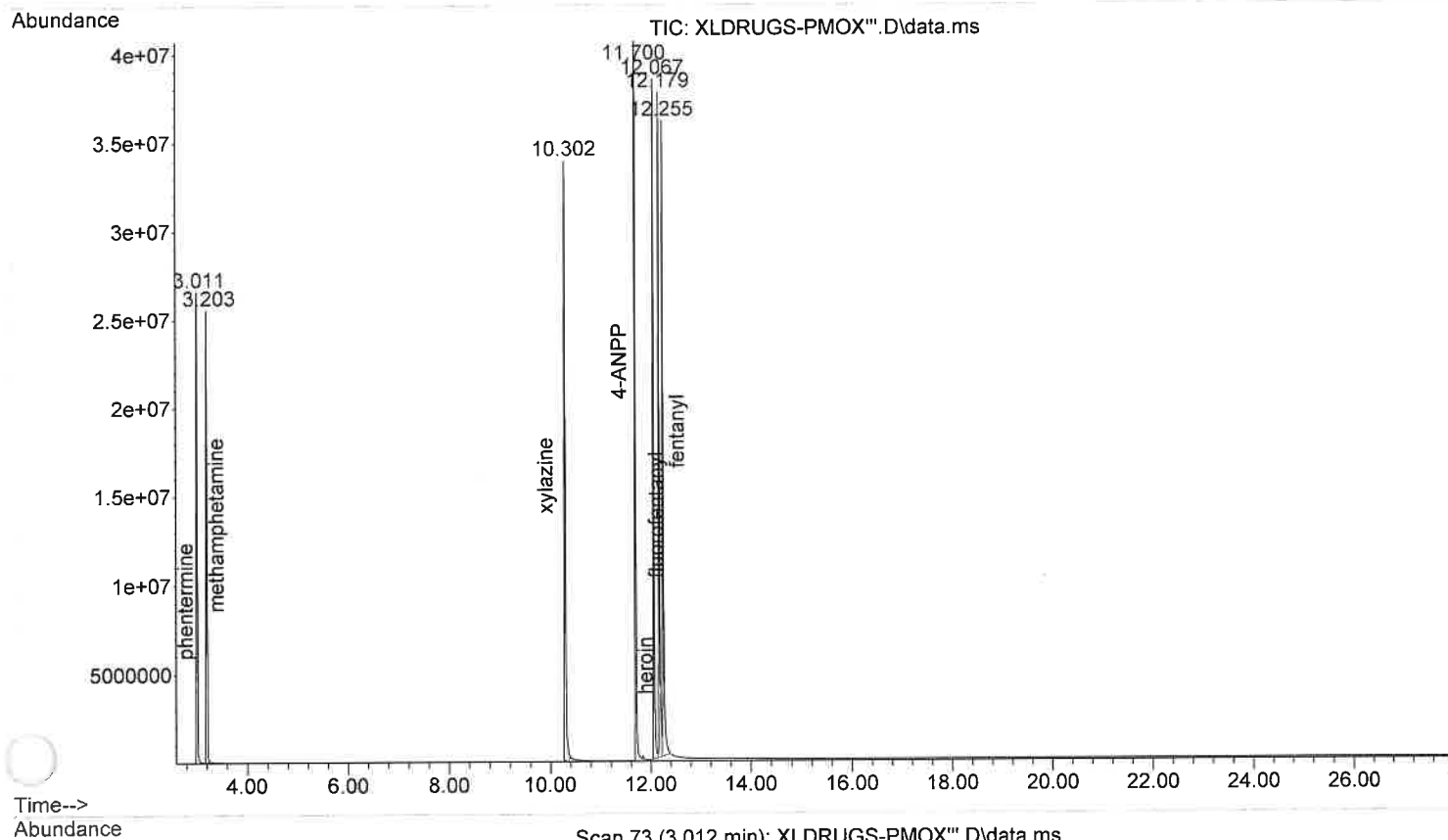
Trace Ion Detection is OFF.

34.610	:	EMISSION	
70.347	:	ENERGY	
30.924	:	REPELLER	
89.208	:	IONFOCUS	
22.000	:	ENTRANCE LENS	
1235.294	:	EMVOLTS	
		1235.294	: Actual EMV
		0.30	: GAIN FACTOR
2138.000	:	AMUGAIN	
121.625	:	AMUOFFSET	
2.000	:	FILAMENT	
0.000	:	DCPOLARITY	
19.075	:	ENTLENSOFFSET	
-586.000	:	MASSGAIN	
-38.000	:	MASSOFFSET	

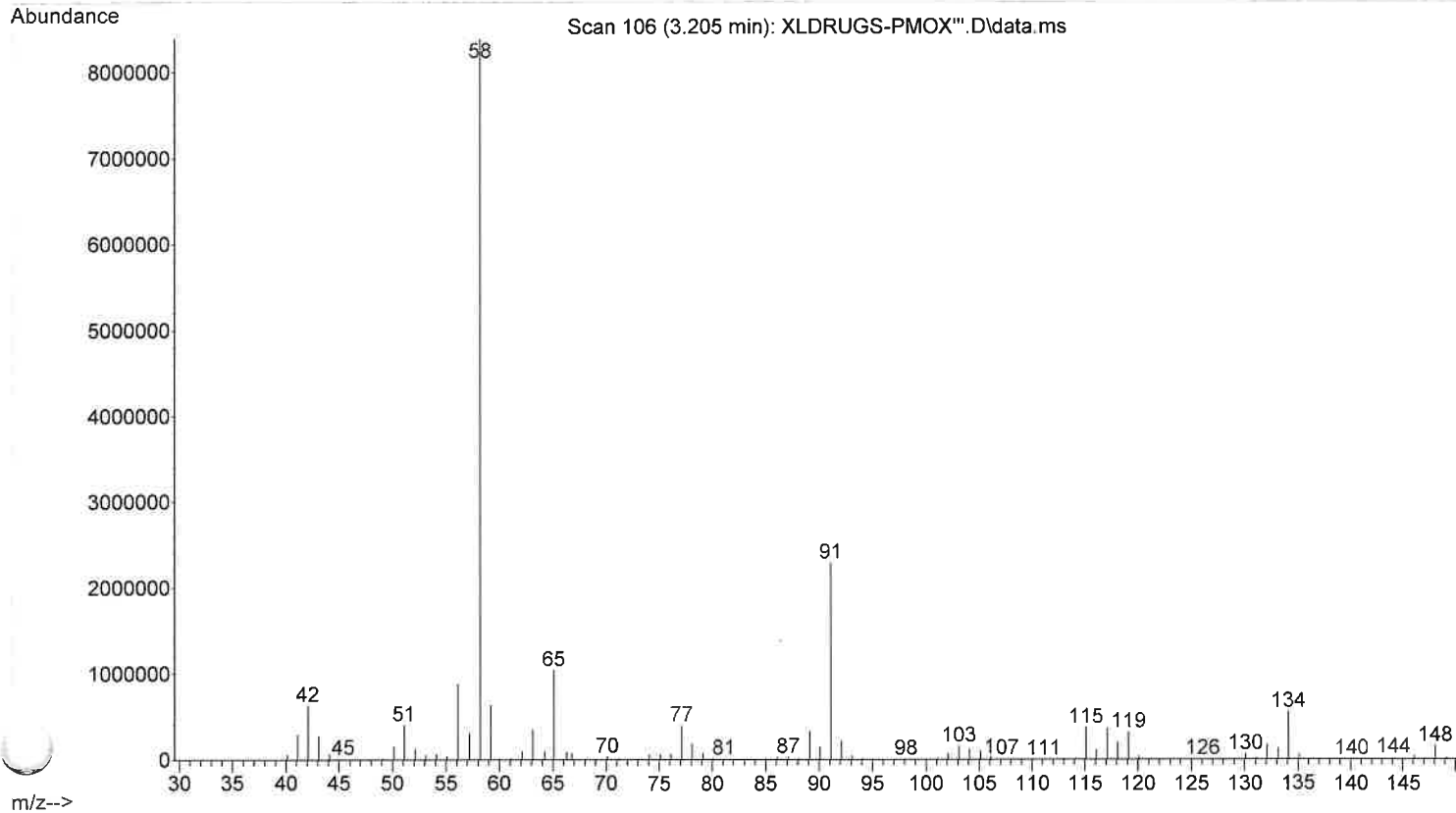
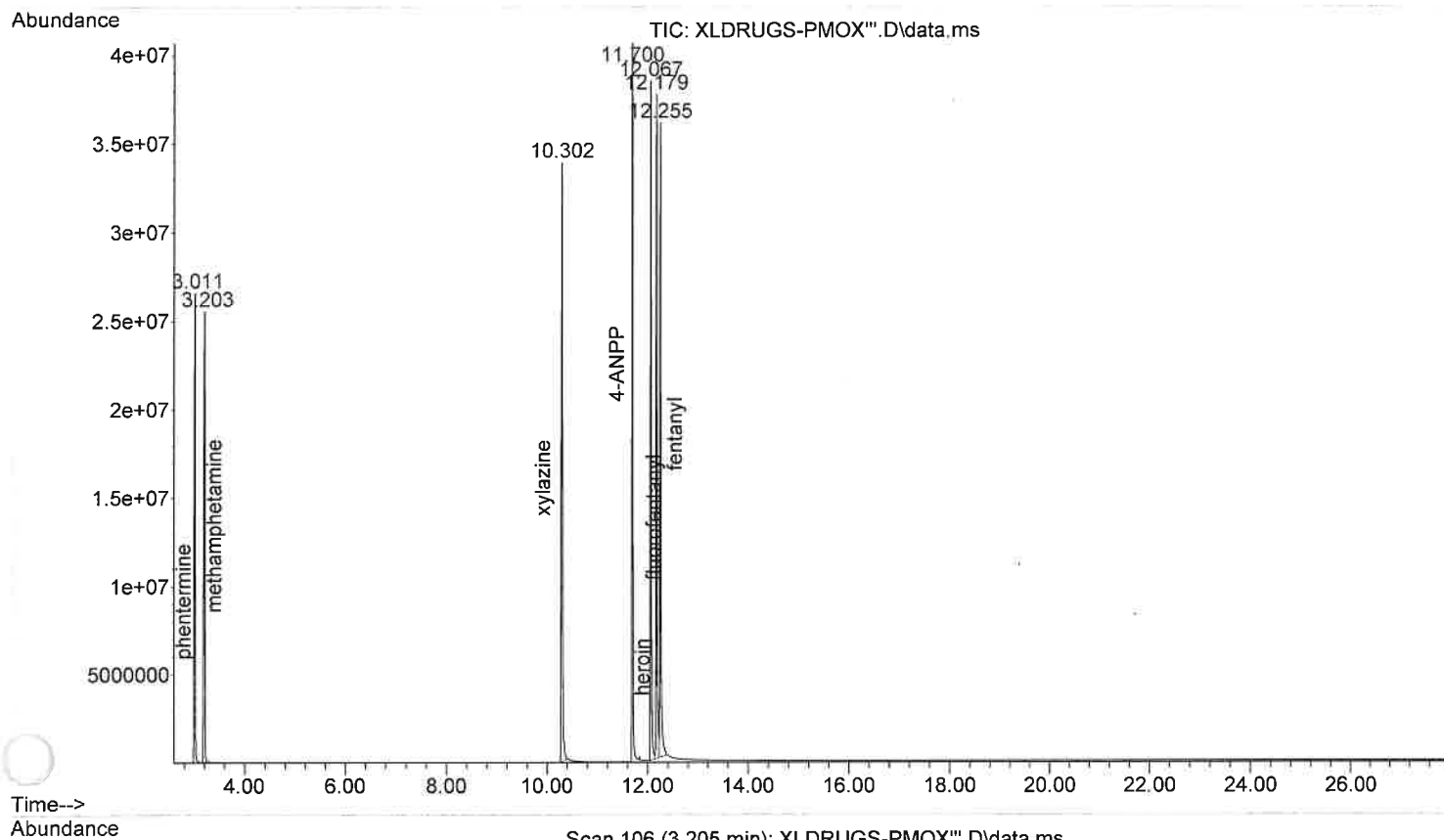
END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

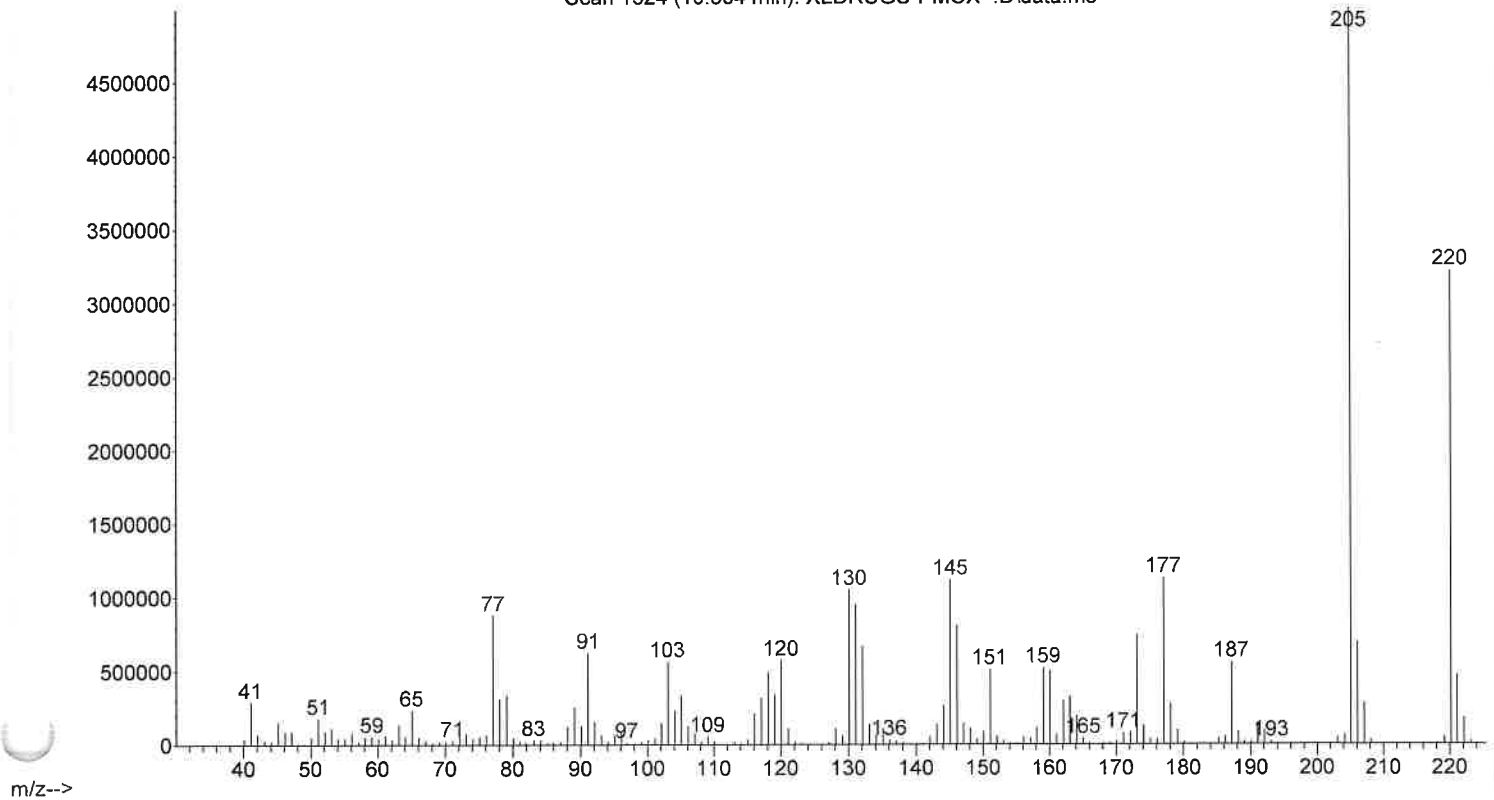
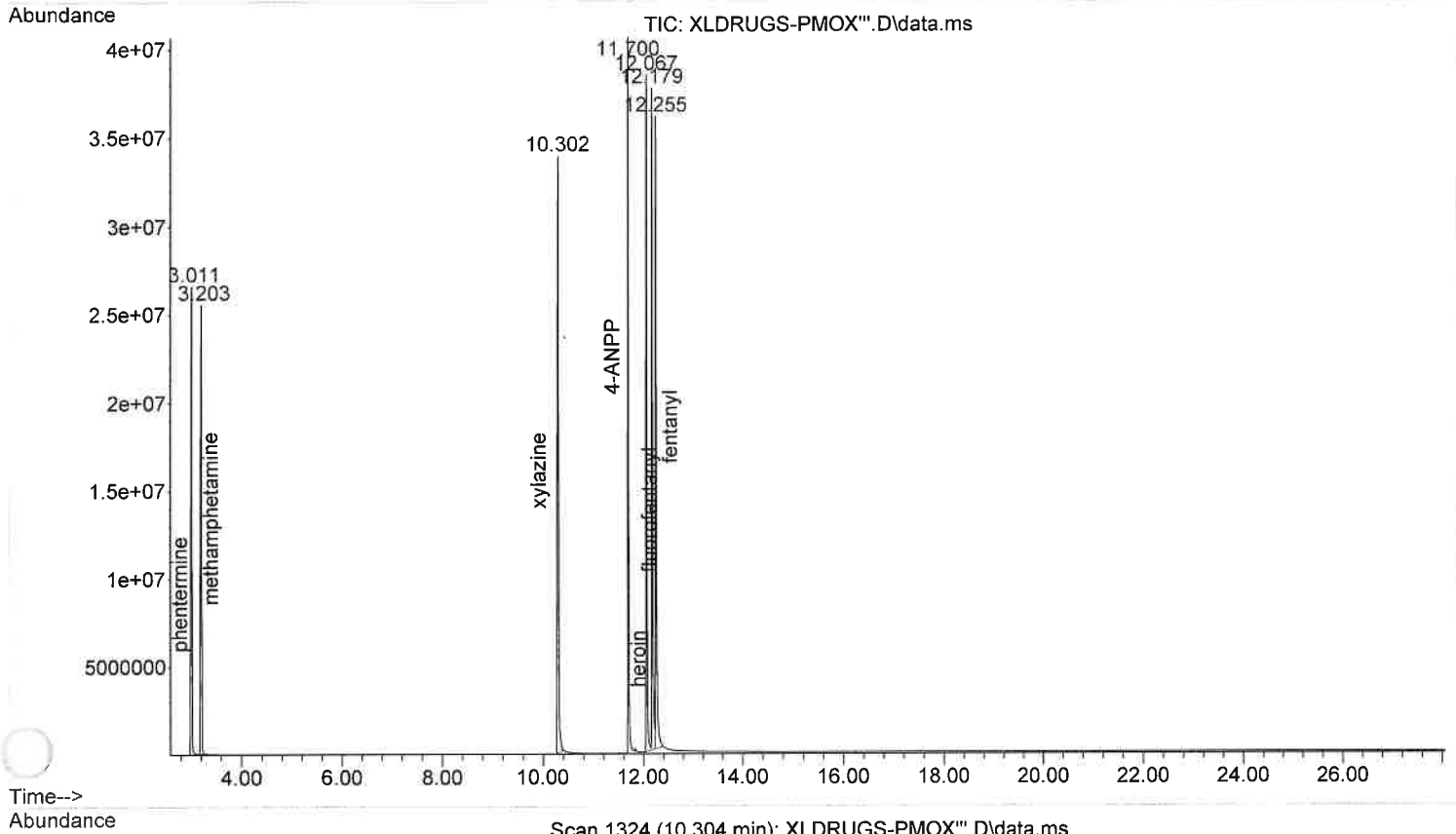
File :C:\MassHunter\GCMS\1\data\August 2024\XLDUGS-PMOX'''.D
Operator :
Acquired : 09 Aug 2024 13:34 using AcqMethod XLDUGS.M
Instrument : Wall-E
Sample Name: P-MOX std
Misc Info : CHCl3
Vial Number: 52



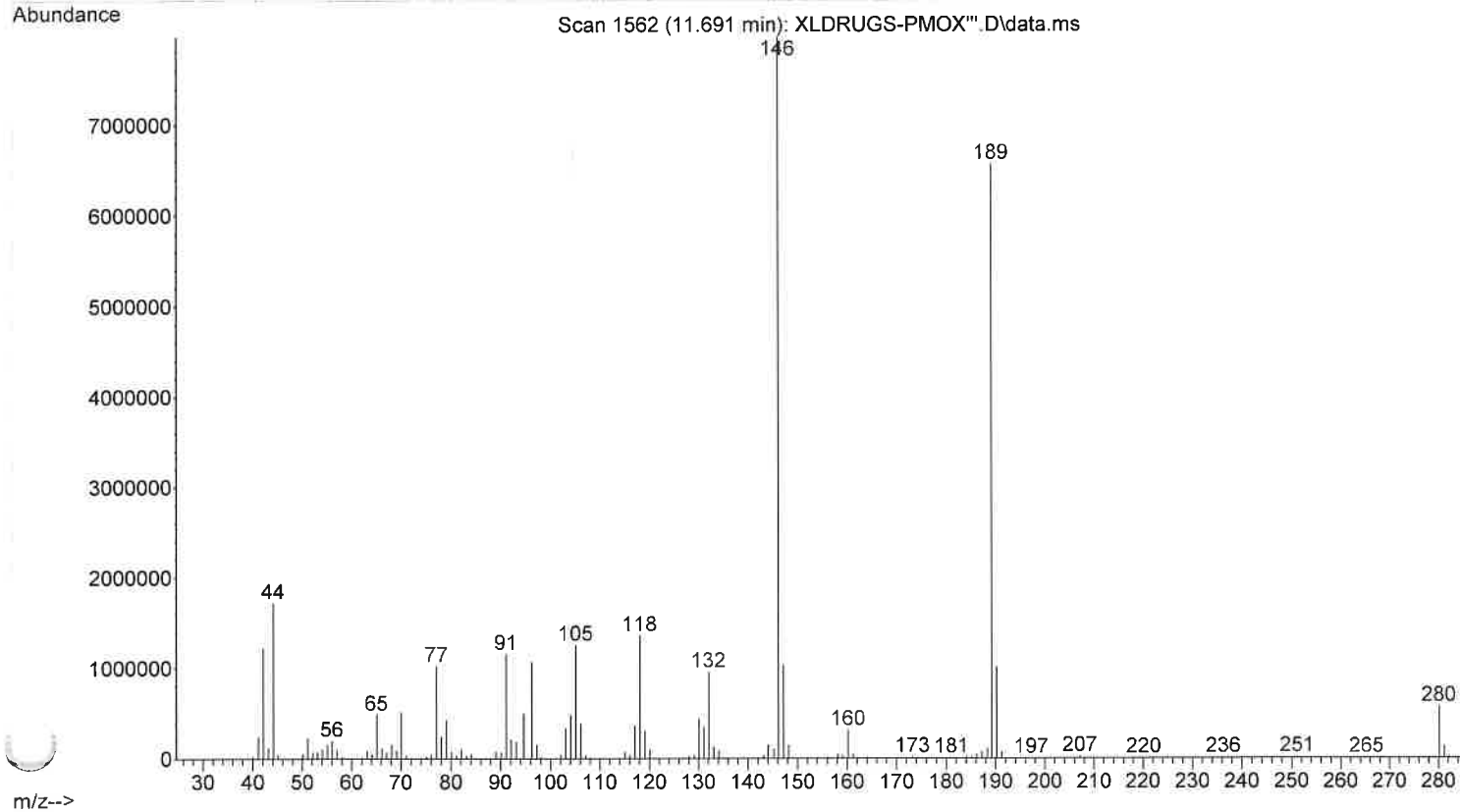
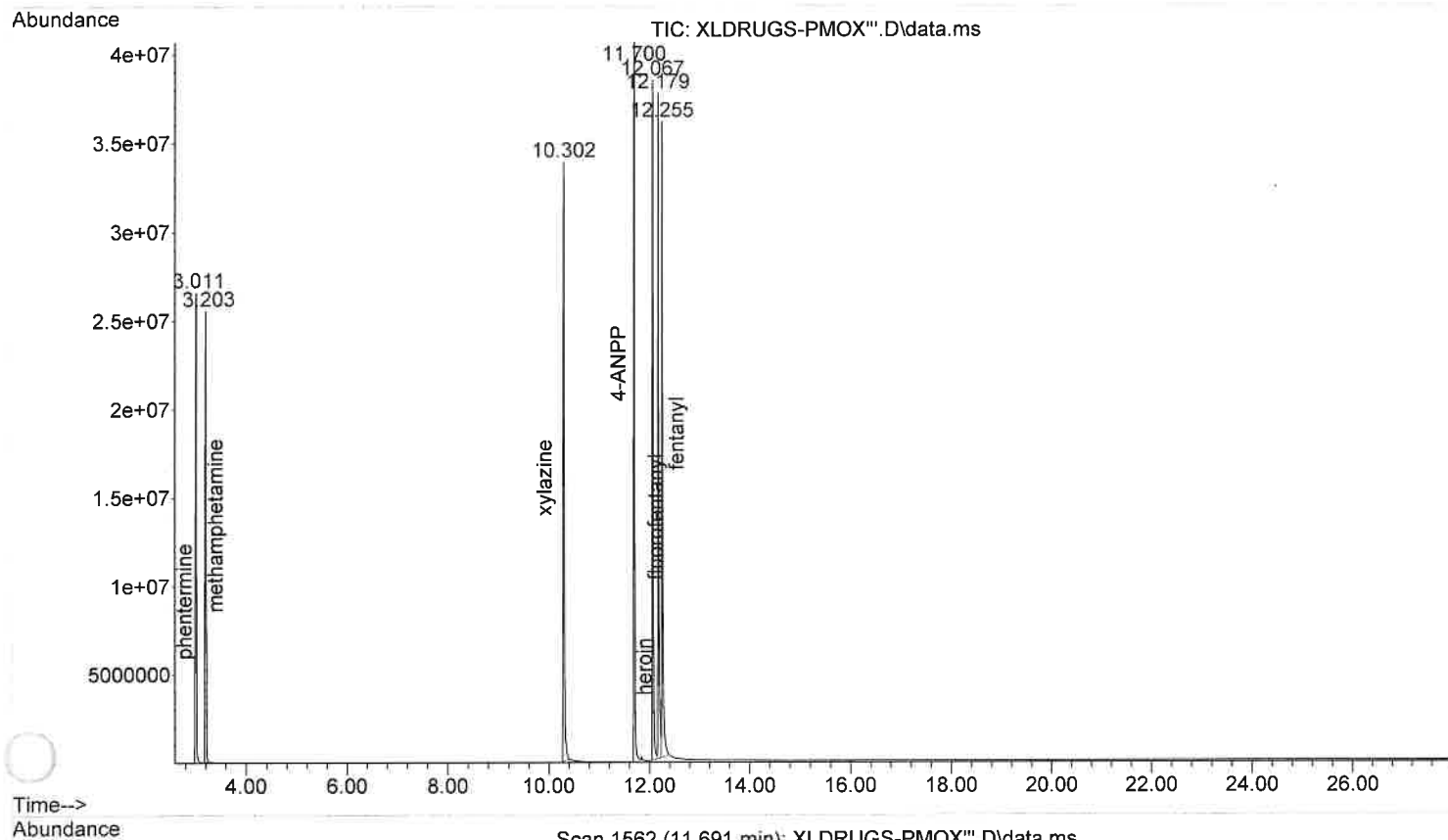
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Operator :
Acquired : 09 Aug 2024 13:34 using AcqMethod XLDUGS.M
Instrument : Wall-E
Sample Name: P-MOX std
Misc Info : CHCl3
Vial Number: 52



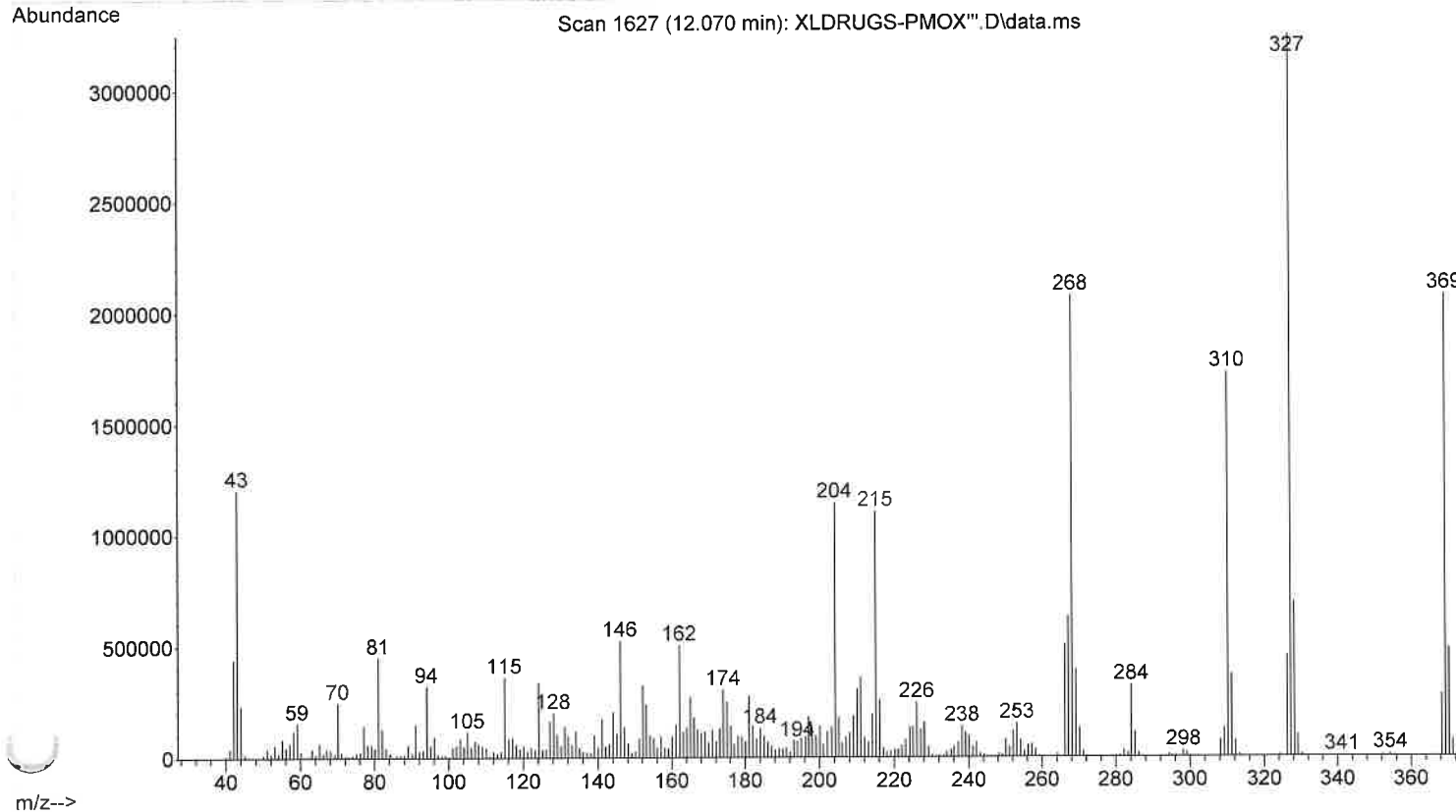
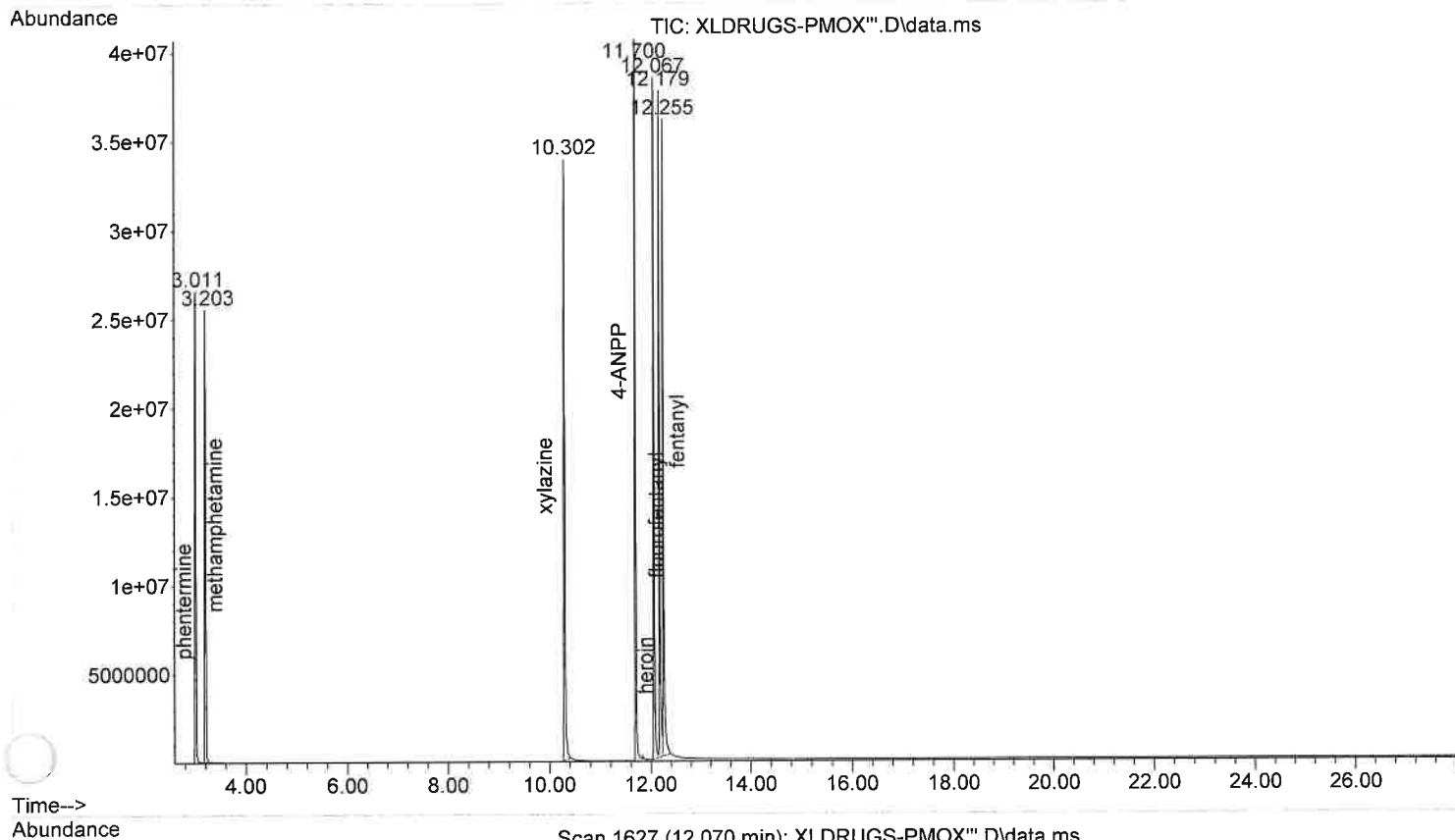
File :C:\MassHunter\GCMS\1\data\August 2024\XLDUGS-PMOX'''.D
Operator :
Acquired : 09 Aug 2024 13:34 using AcqMethod XLDUGS.M
Instrument : Wall-E
Sample Name: P-MOX std
Misc Info : CHCl3
Vial Number: 52



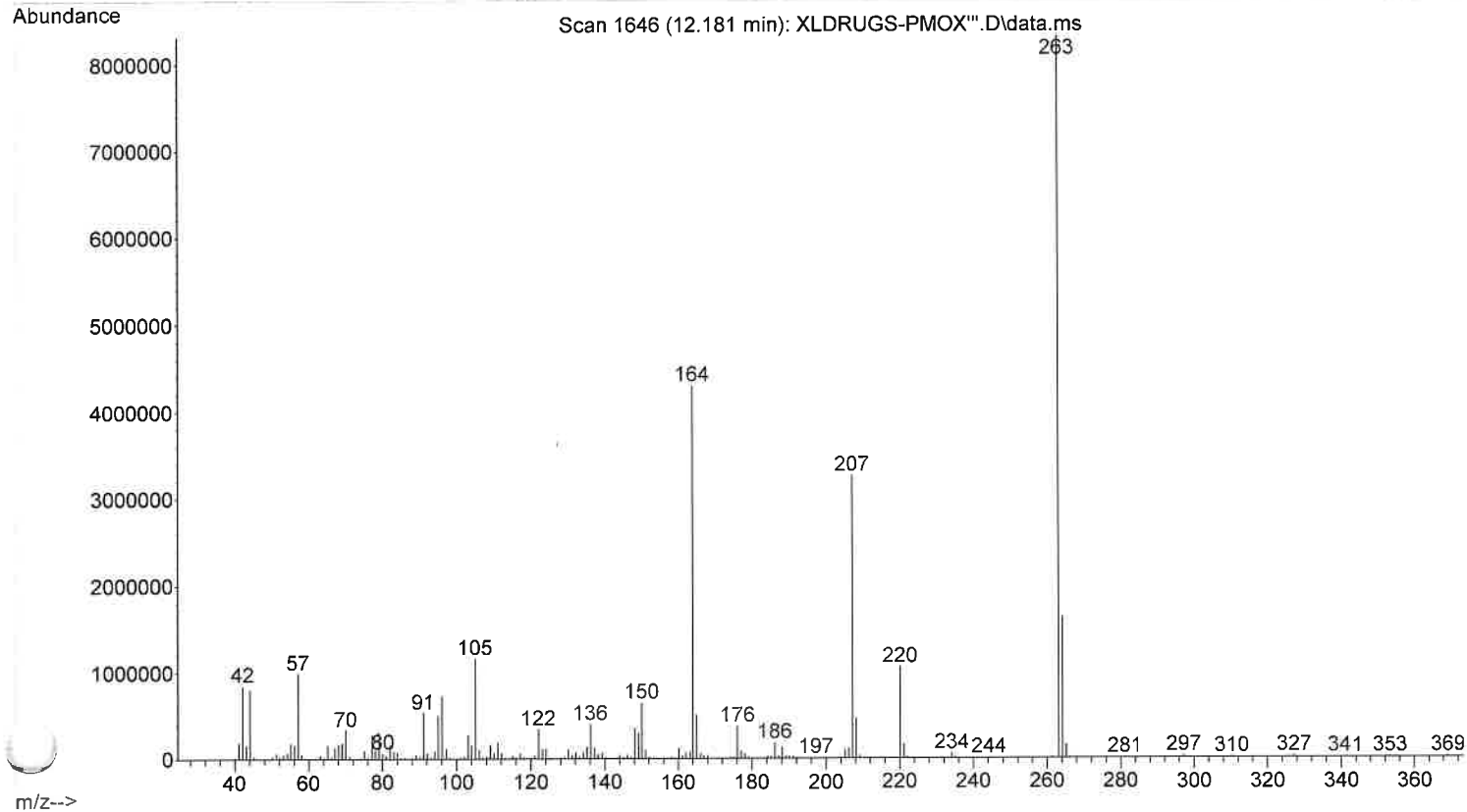
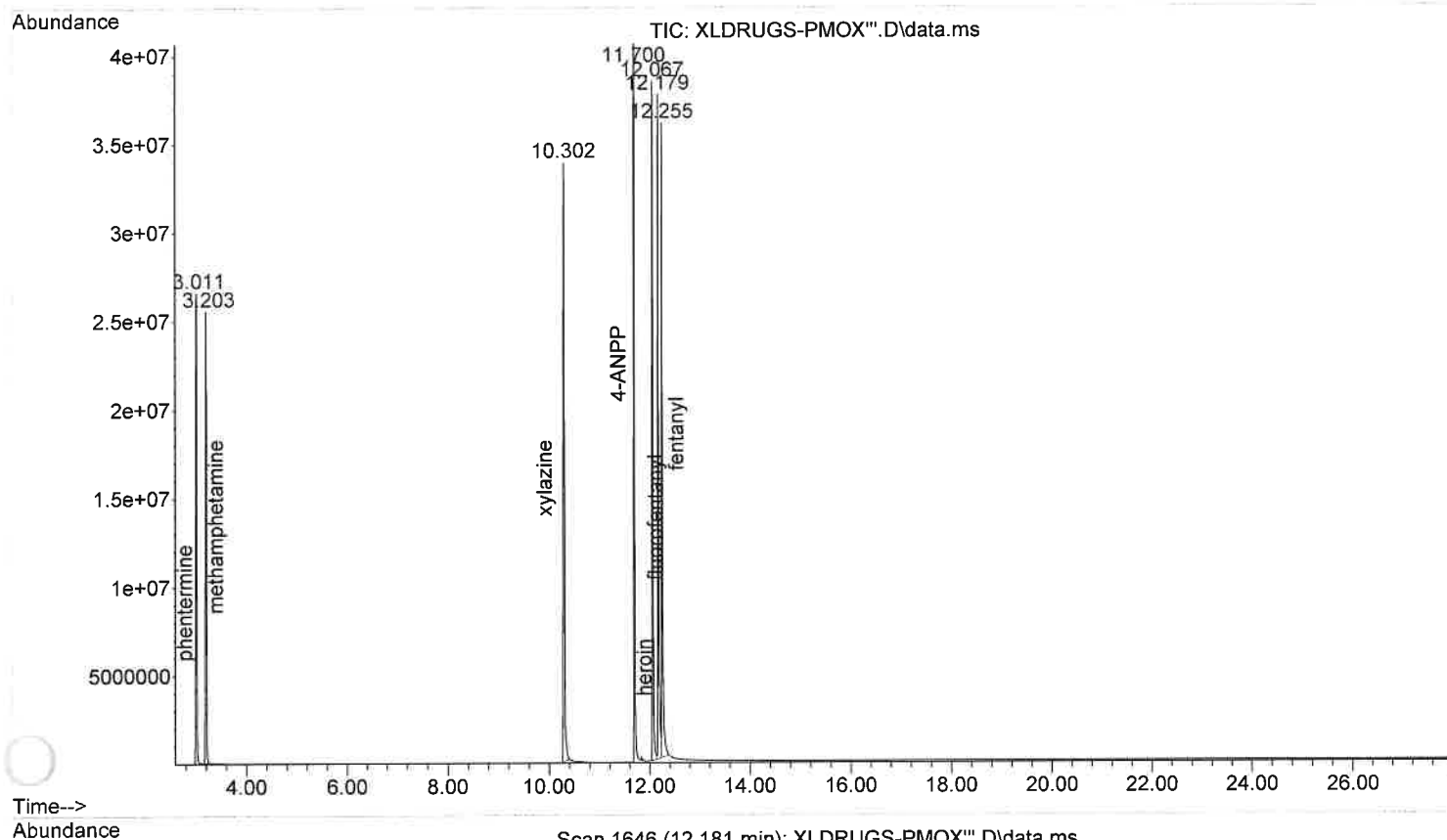
File :C:\MassHunter\GCMS\1\data\August 2024\XLDUGS-PMOX'''.D
Operator :
Acquired : 09 Aug 2024 13:34 using AcqMethod XLDUGS.M
Instrument : Wall-E
Sample Name: P-MOX std
Misc Info : CHCl3
Vial Number: 52



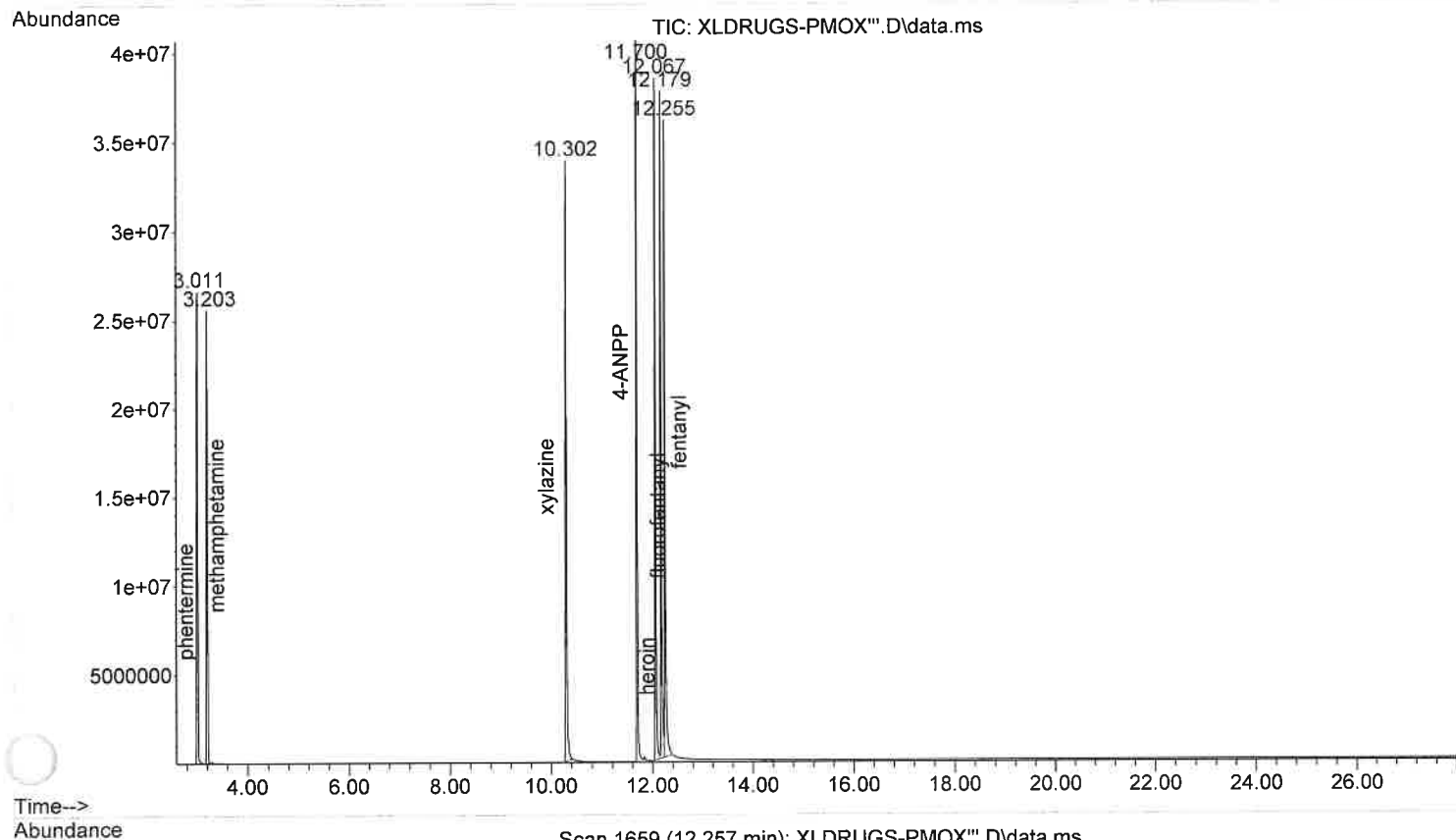
File :C:\MassHunter\GCMS\1\data\August 2024\XLDRUGS-PMOX'''.D
Operator :
Acquired : 09 Aug 2024 13:34 using AcqMethod XLDRUGS.M
Instrument : Wall-E
Sample Name: P-MOX std
Misc Info : CHCl3
Vial Number: 52



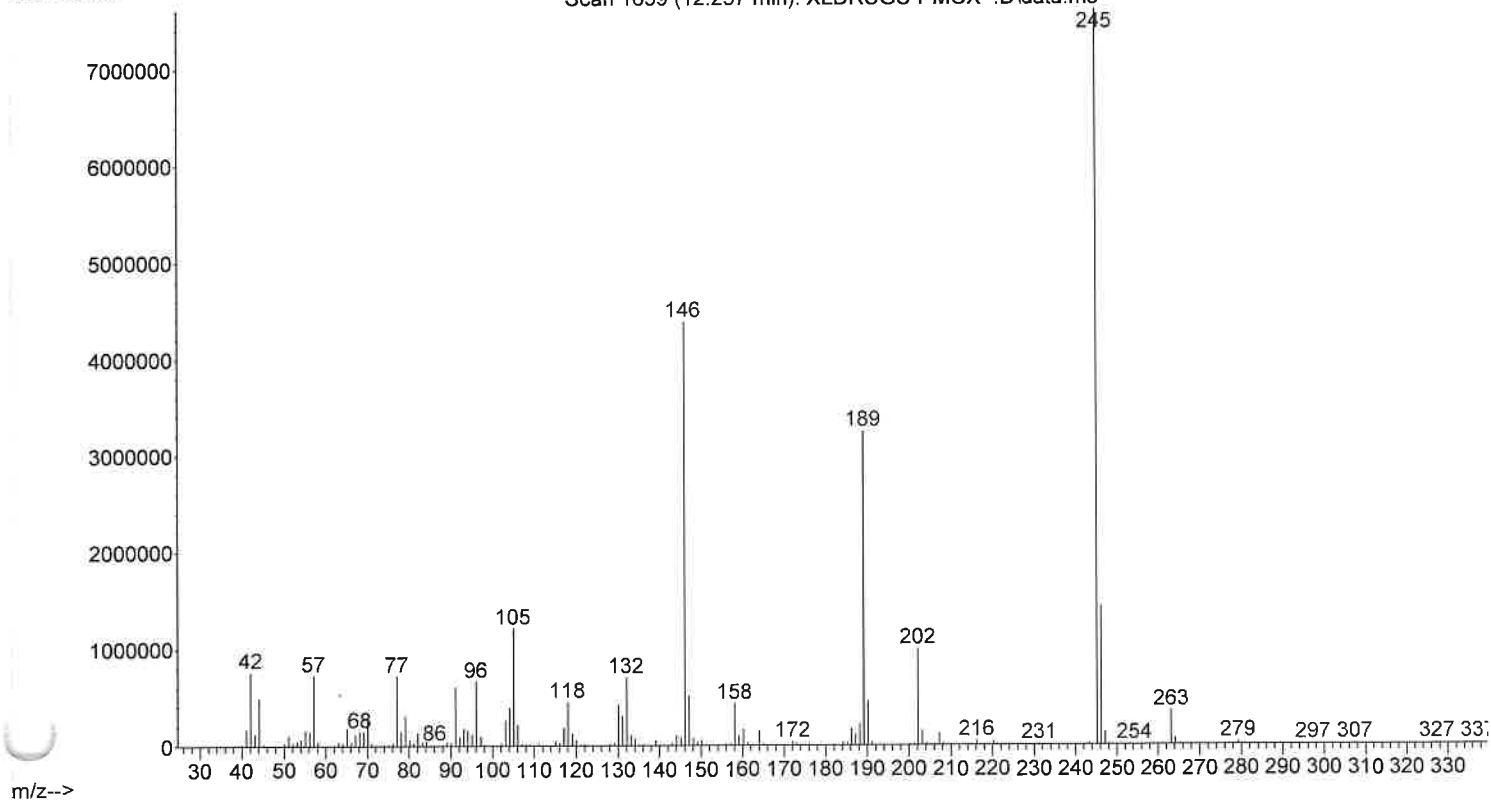
File :C:\MassHunter\GCMS\1\data\August 2024\XLDUGS-PMOX'''.D
Operator :
Acquired : 09 Aug 2024 13:34 using AcqMethod XLDUGS.M
Instrument : Wall-E
Sample Name: P-MOX std
Misc Info : CHCl3
Vial Number: 52



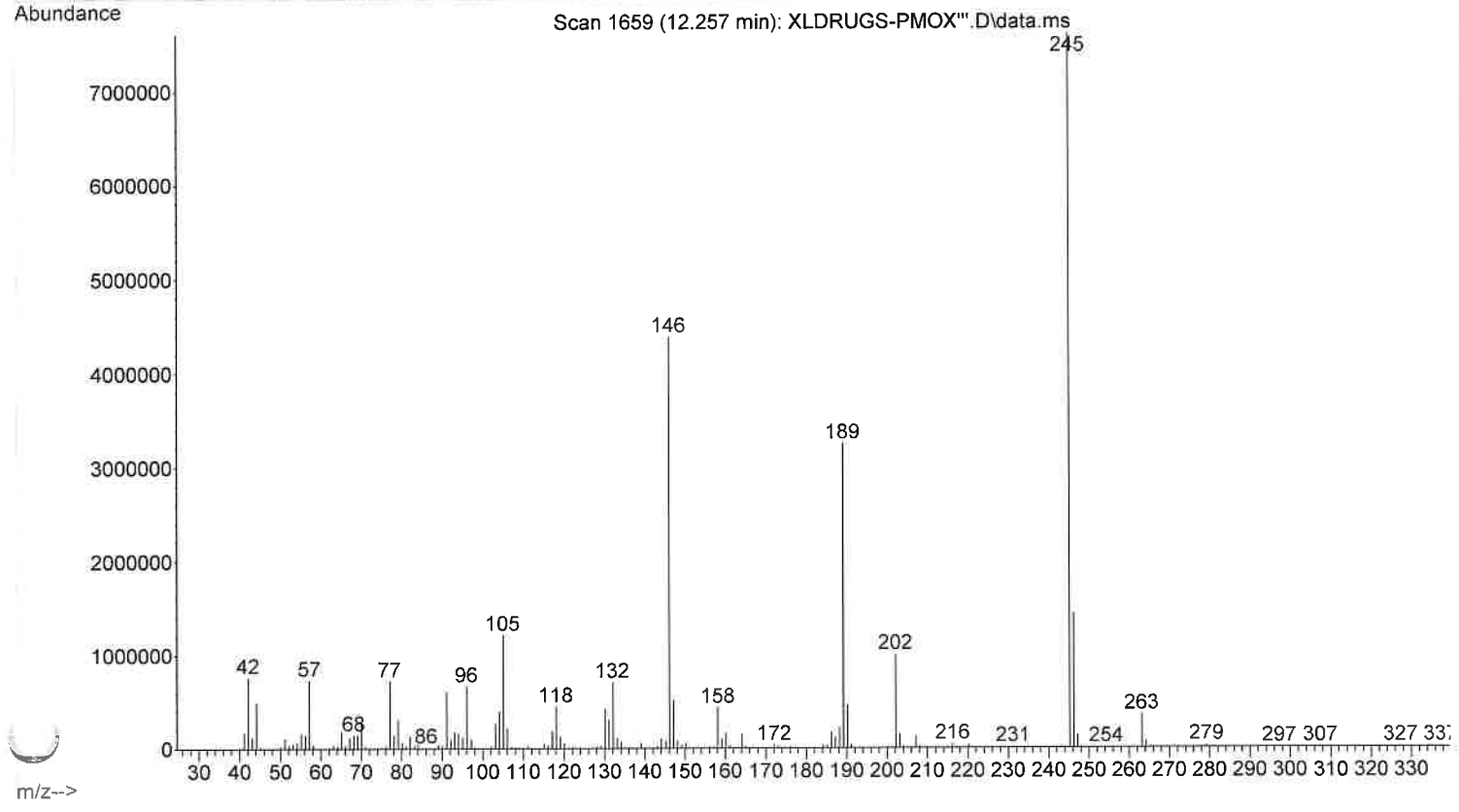
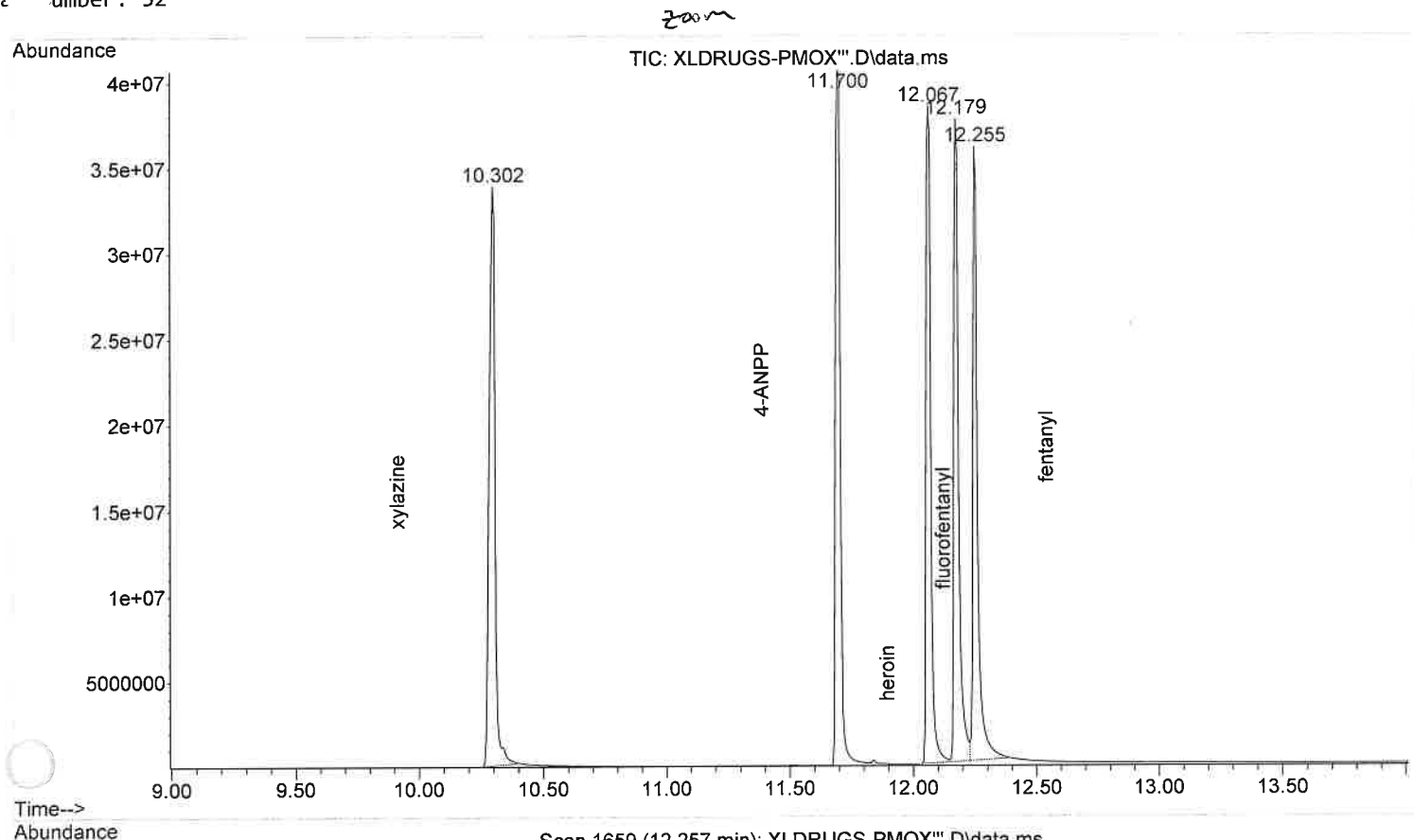
File :C:\MassHunter\GCMS\1\data\August 2024\XLDUGS-PMOX'''.D
Operator :
Acquired : 09 Aug 2024 13:34 using AcqMethod XLDUGS.M
Instrument : Wall-E
Sample Name: P-MOX std
Misc Info : CHCl3
Vial Number: 52



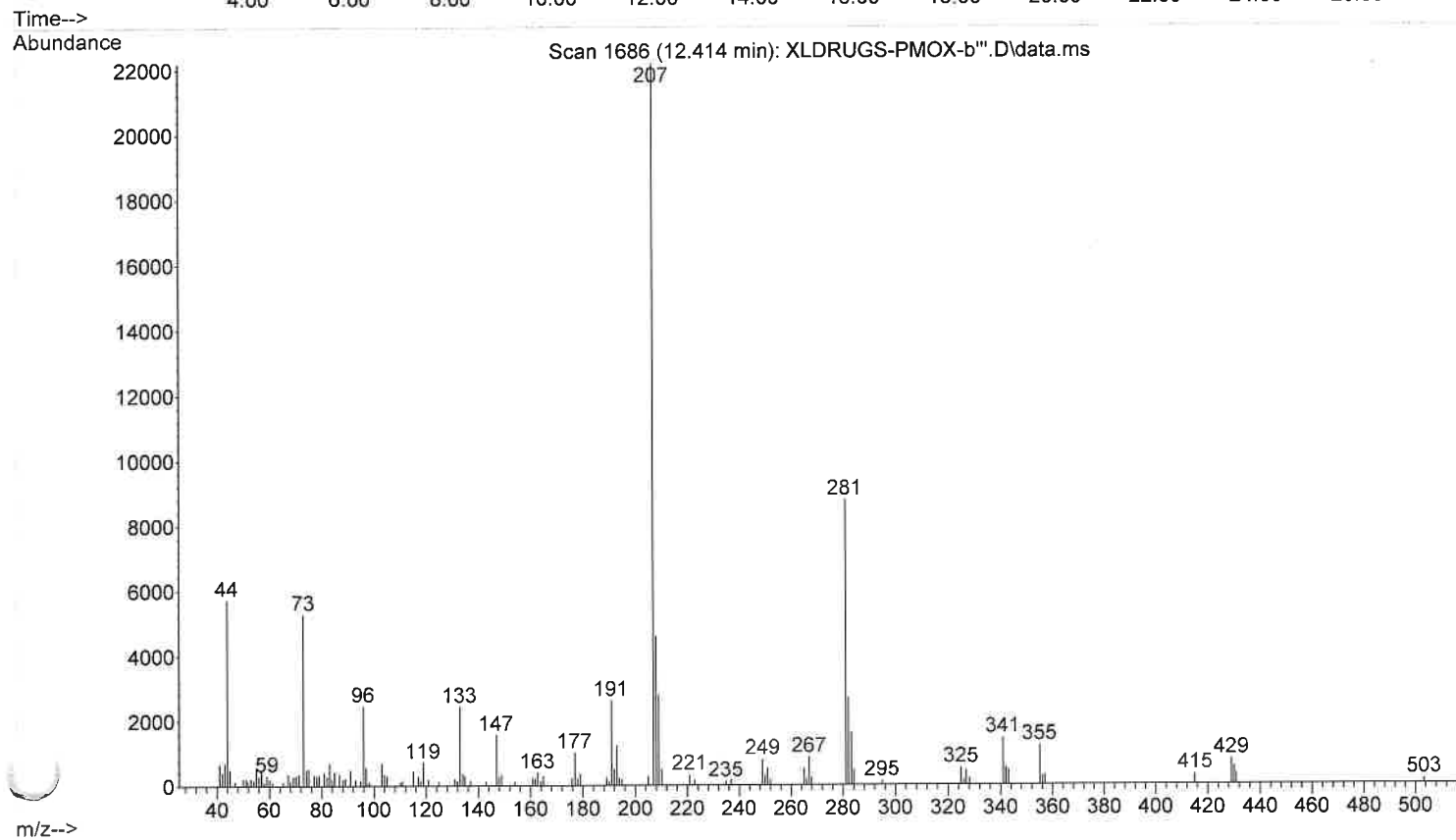
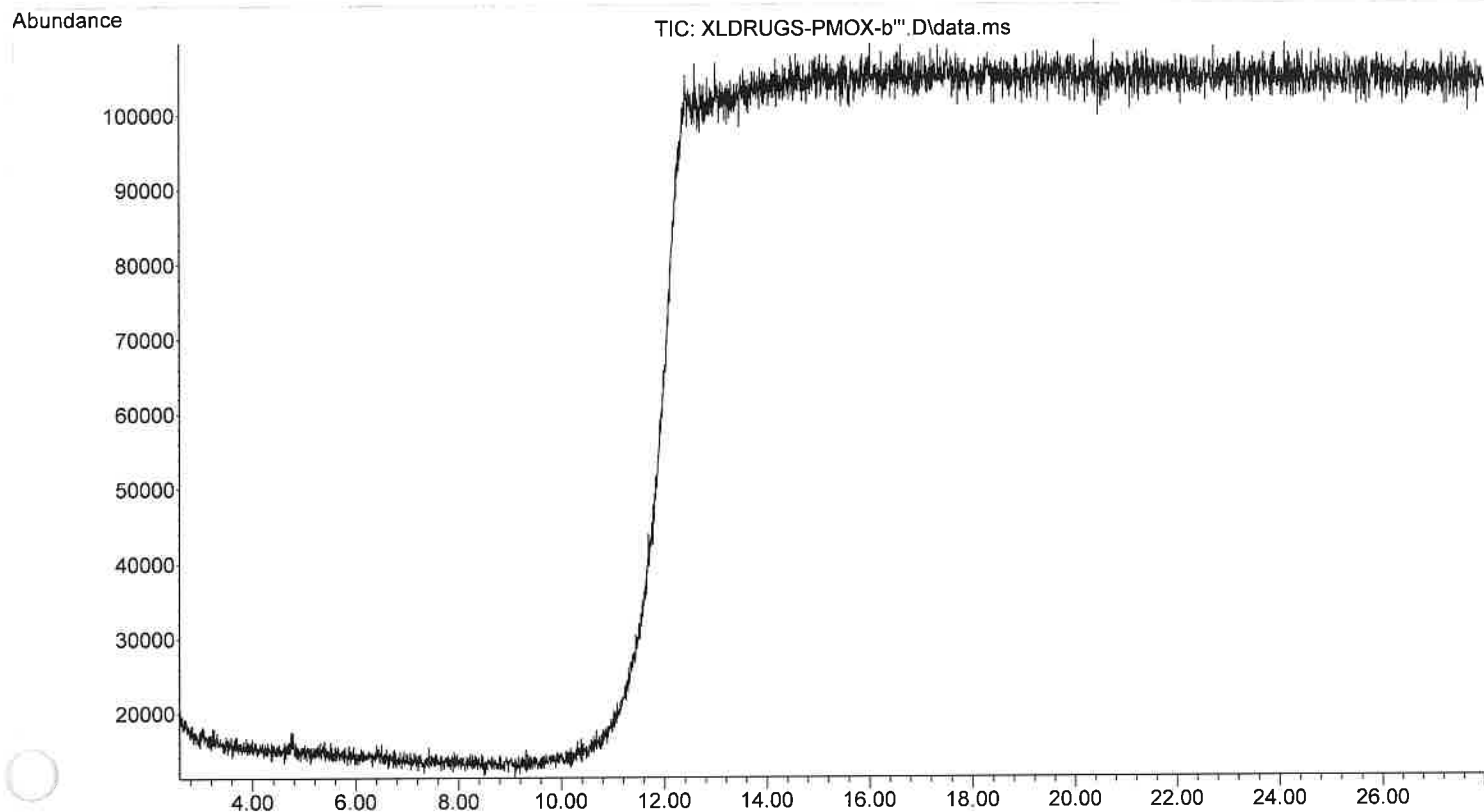
Scan 1659 (12.257 min): XLDUGS-PMOX'''.D\data.ms



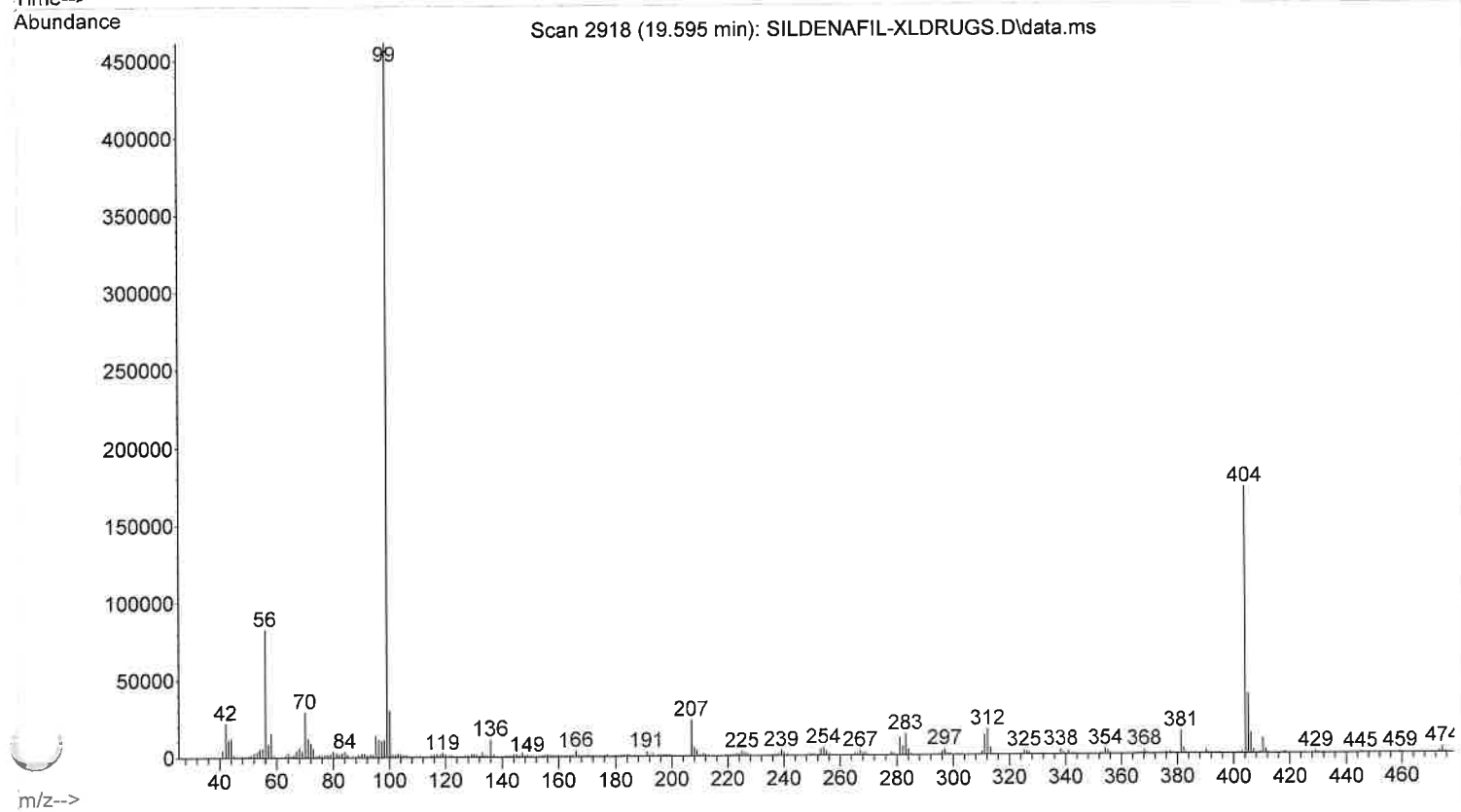
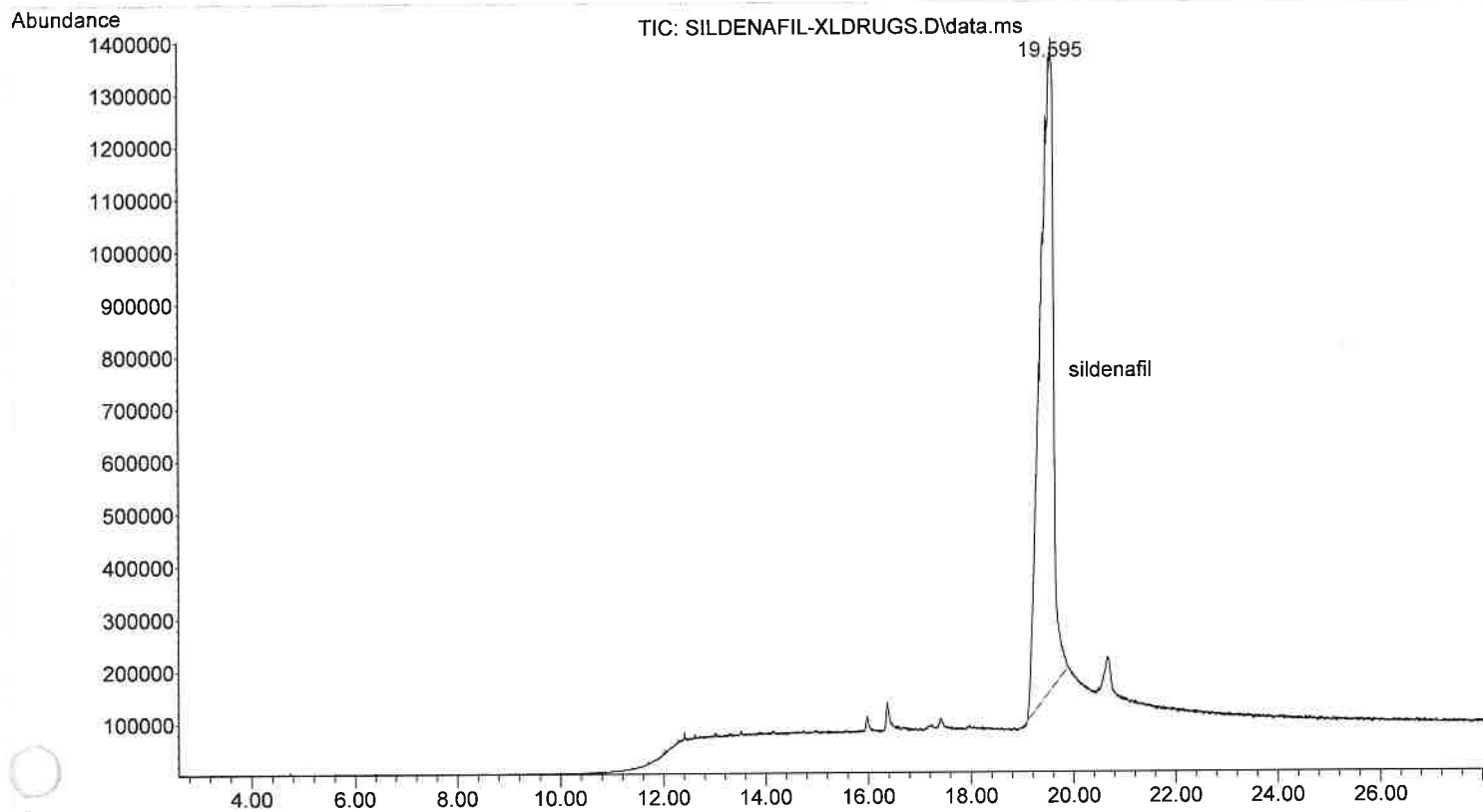
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Operator :
Acquired : 09 Aug 2024 13:34 using AcqMethod XLDRUGS.M
Instrument : Wall-E
Sample Name: P-MOX std
Misc Info : CHCl3
Vial Number: 52



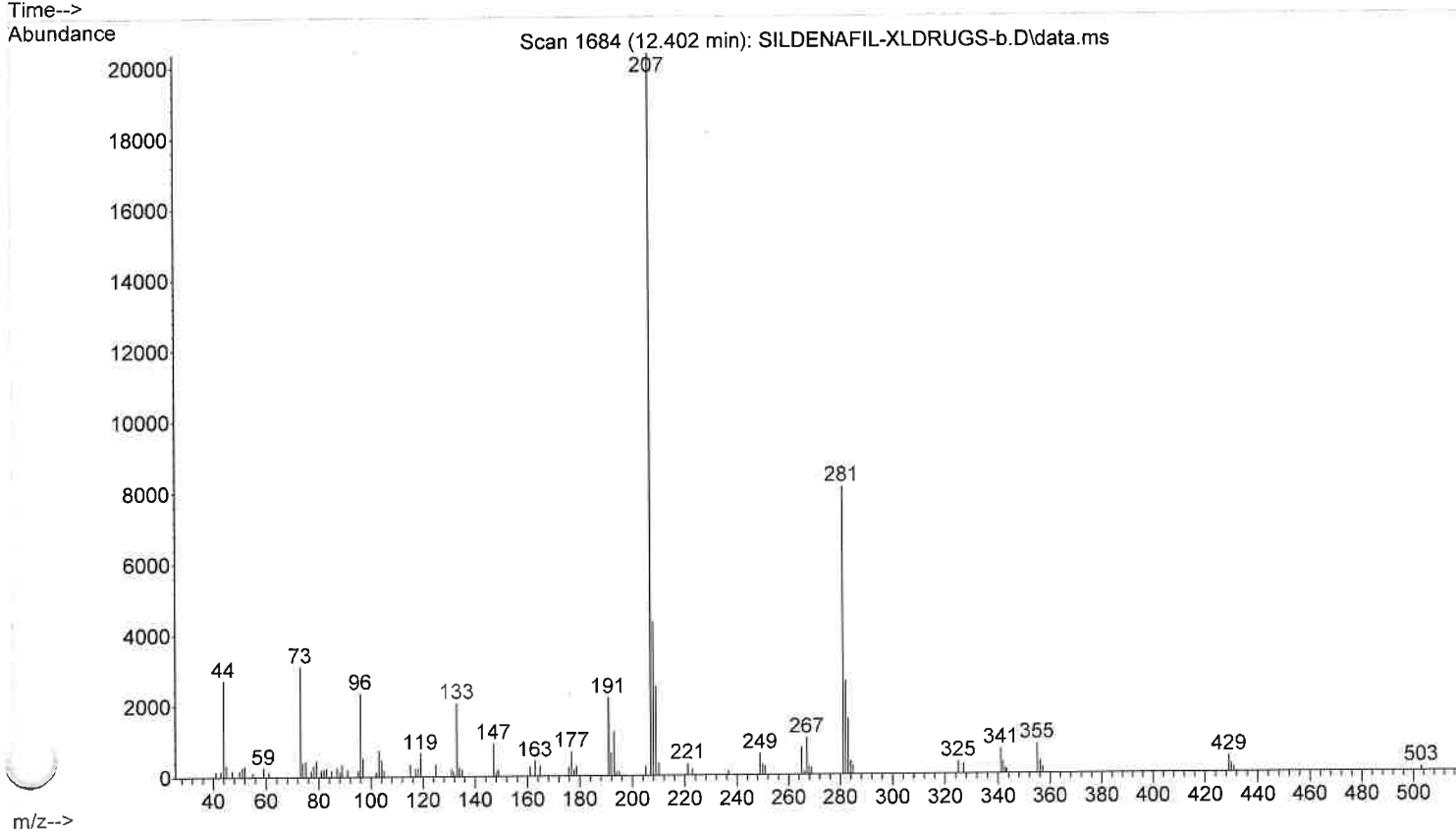
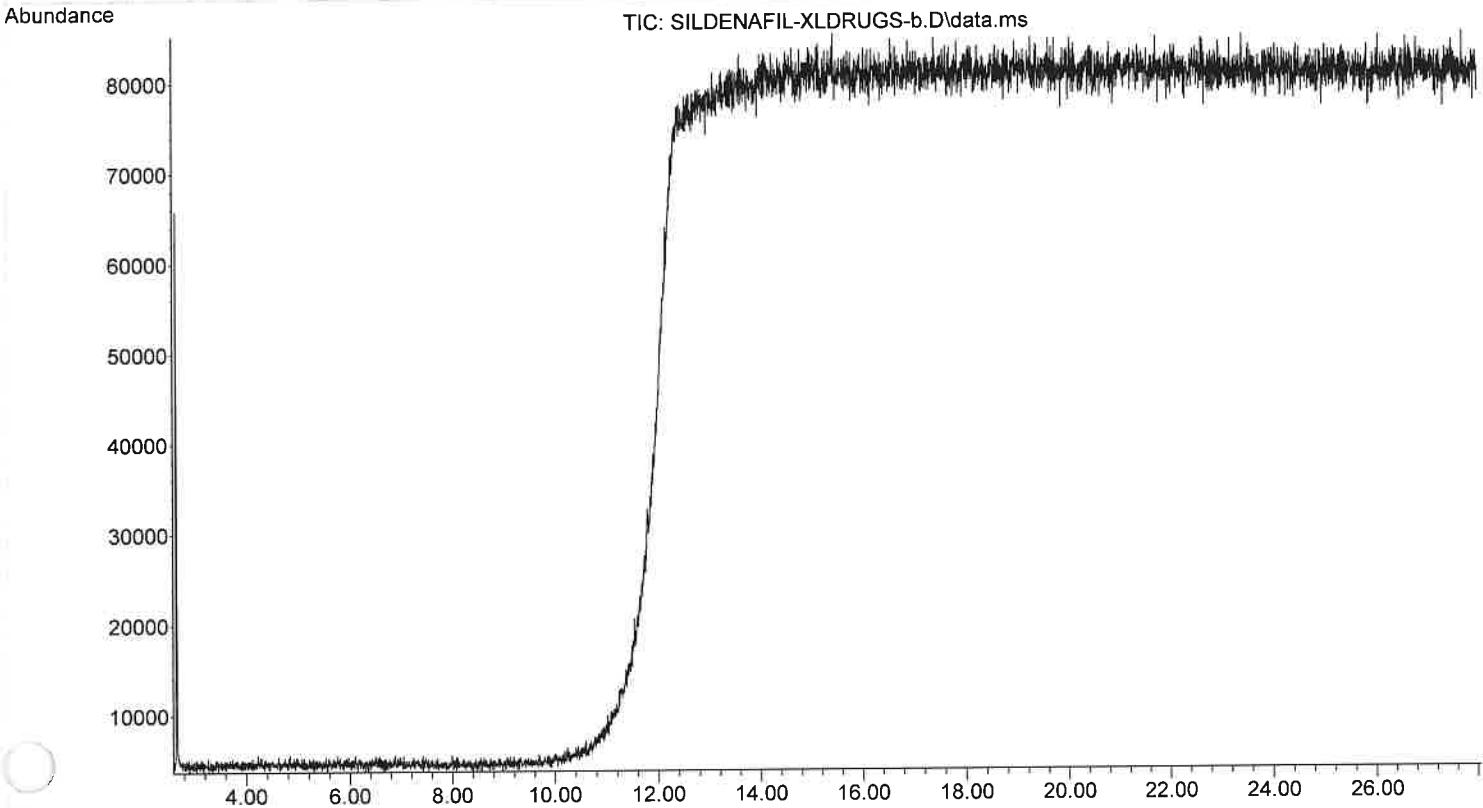
File :C:\MassHunter\GCMS\1\data\August 2024\XLDRUGS-PMOX-b'''.D
Operator :
Acquired : 09 Aug 2024 13:03 using AcqMethod XLDRUGS.M
Instrument : Wall-E
Sample Name: P-MOX std blank
Misc Info : CHCl3
Vial Number: 51



File :C:\MassHunter\GCMS\1\data\August 2024\SILDENAFIL-XLDRUGS.D
Operator :
Acquired : 01 Aug 2024 17:37 using AcqMethod XLDRUGS.M
Instrument : Wall-E
Sample Name: sildenafil std std
Misc Info : MeOH
Vial Number: 57



File :C:\MassHunter\GCMS\1\data\August 2024\SILDENAFIL-XLDRUGS-b.D
Operator :
Acquired : 01 Aug 2024 17:06 using AcqMethod XLDRUGS.M
Instrument : Wall-E
Sample Name: sildenafil std blank
Misc Info : MeOH
Vial Number: 51



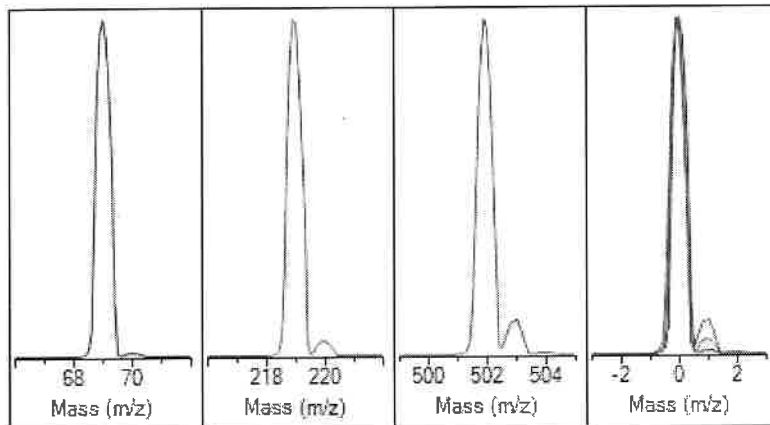
Autotune - 5975

Tune timestamp: 8/1/2024 9:32 AM (UTC-04:00)

Wall-E

C:\MASSHUNTER\GCMS\1\5975\ATUNE.U

US10423610

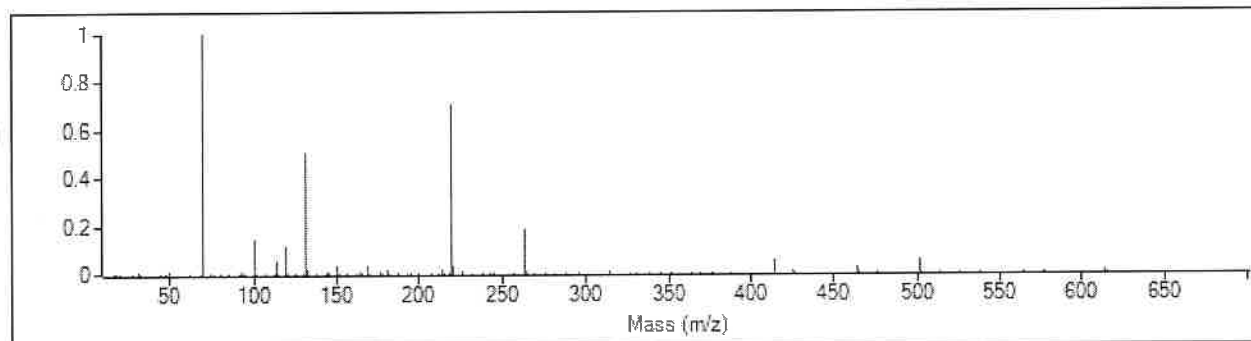


Ion Polarity	Pos	PFTBA	Open
Emission	34.6	Mass Gain	-586
Electron Energy	70.3	Mass Offset	-38
Filament	2	Amu Gain	2138
Repeller	31.09	Amu Offset	121.63
Ion Focus	89.2	Width219	-0.028
Entrance Lens	22.0	DC Polarity	Pos
Ent Lens Offset	19.07	HED Enable	On
		EM Volts	1271
		Scan Speed	3
JetClean Flow Actual/[Setpoint]	0.00 [0.00]	Averages	3

Actual m/z	Abund	Rel Abund	Pw50
69.00	483,567	100.0%	0.60
218.90	344,528	71.2%	0.60
501.90	28,217	5.8%	0.59

Temperatures and Pressures			
MS Source	230	Turbo Speed	100.0
MS Quad	150	Hi Vac	Off

Low	High	Step	Speed	Threshold	Peaks	Base	Abundance	Total Ion
10.00	701.00	0.10	3	100	120	69.00	465,280	1,512,021



Target m/z	Actual m/z	Abund	Rel Abund	Iso m/z	Iso Abund	Iso Ratio
69.00	69.00	465,280	100.0%	70.00	5,170	1.1%
219.00	219.00	330,176	71.0%	220.00	14,124	4.3%
502.00	502.00	26,152	5.6%	503.00	2,713	10.4%

Air/Water Check: H2O ~0.6% N2 ~0.7% O2 ~0.2% CO2 ~0.1% N2/H2O ~112.1%

Column(1) Flow: 1.00 Column(2): 0.07 ml/min Interface Temp: 280

Ramp Criteria:

Ion Focus maximum 90 volts using ion 502; Electron Multiplier Gain 44113.838

Repeller maximum 35 volts using ion 219; Gain Factor 0.4411

Mass Gain Values(Scan Speed): -572(3) -556(2) -547(1) -524(0) -472(FS1) -471(FS2)

TARGET MASS:	50	69	131	219	414	502	1050
Amu Offset	121.6	121.6	121.6	121.6	121.6	121.6	121.6
Entrance Lens Offset	19.1	19.1	19.1	19.1	19.1	19.1	19.1

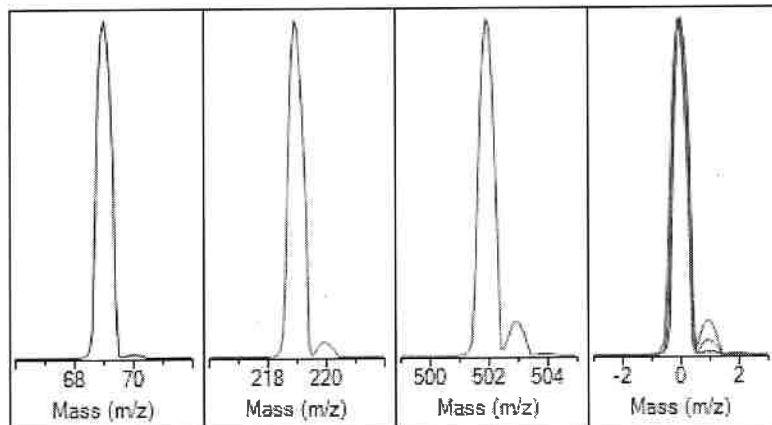
Autotune - 5975

Tune timestamp: 8/5/2024 3:03 PM (UTC-04:00)

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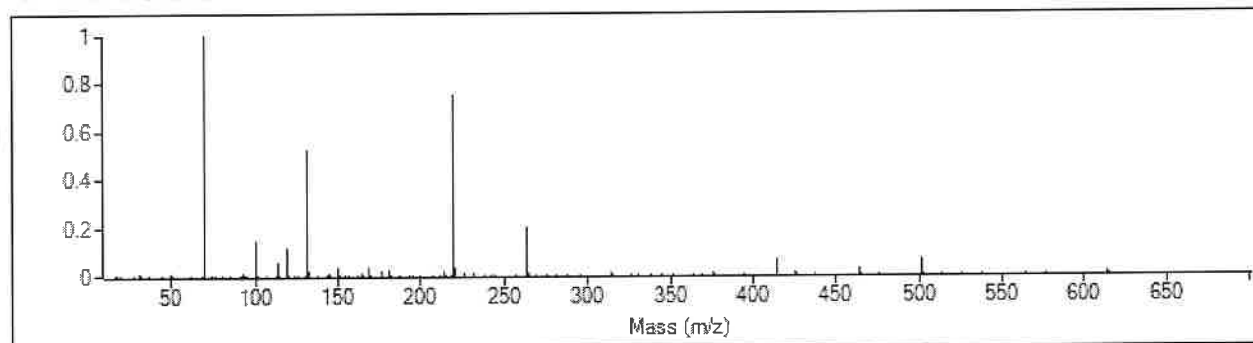


Ion Polarity	Pos	PFTBA	Open
Emission	34.6	Mass Gain	-586
Electron Energy	70.3	Mass Offset	-38
Filament	2	Amu Gain	2138
Repeller	30.92	Amu Offset	121.63
Ion Focus	89.2	Width219	-0.028
Entrance Lens	22.0	DC Polarity	Pos
Ent Lens Offset	19.07	HED Enable	On
		EM Volts	1235
		Scan Speed	3
JetClean Flow Actual/[Setpoint]	0.00 [0.00]	Averages	3

Actual m/z	Abund	Rel Abund	Pw50
69.00	456,255	100.0%	0.60
218.90	349,068	76.5%	0.61
501.90	29,803	6.5%	0.62

Temperatures and Pressures			
MS Source	230	Turbo Speed	100.0
MS Quad	150	Hi Vac	Off

Low	High	Step	Speed	Threshold	Peaks	Base	Abundance	Total Ion
10.00	701.00	0.10	3	100	118	69.00	438,144	1,472,998



Target m/z	Actual m/z	Abund	Rel Abund	Iso m/z	Iso Abund	Iso Ratio
69.00	69.00	438,144	100.0%	70.00	4,966	1.1%
219.00	219.00	330,496	75.4%	220.00	14,369	4.3%
502.00	502.00	28,800	6.6%	503.00	2,752	9.6%

Air/Water Check: H2O ~0.5% N2 ~0.6% O2 ~0.2% CO2 ~0.1% N2/H2O ~116.0%

Column(1) Flow: 1.00 Column(2): 0.06 ml/min Interface Temp: 280

Ramp Criteria:

Ion Focus maximum 90 volts using ion 502; Electron Multiplier Gain 30803.634

Repeller maximum 35 volts using ion 219; Gain Factor 0.3080

Mass Gain Values(Scan Speed): -573(3) -563(2) -548(1) -530(0) -460(FS1) -459(FS2)

TARGET MASS:	50	69	131	219	414	502	1050
Amu Offset	121.6	121.6	121.6	121.6	121.6	121.6	121.6
Entrance Lens Offset	19.1	19.1	19.1	19.1	19.1	19.1	19.1

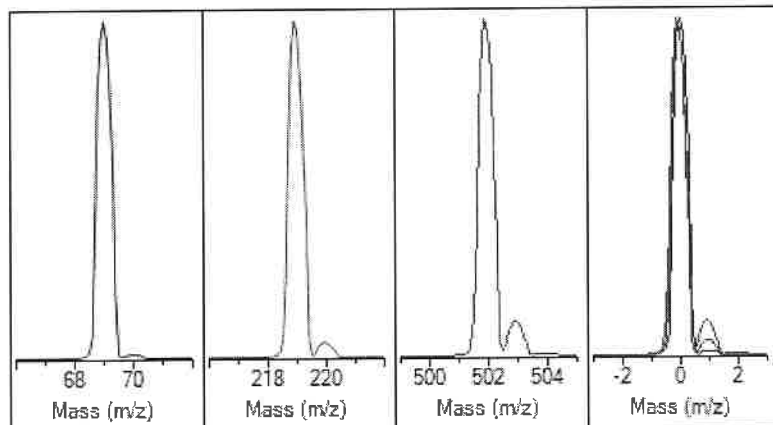
Autotune - 5975

Tune timestamp: 8/9/2024 9:26 AM (UTC-04:00)

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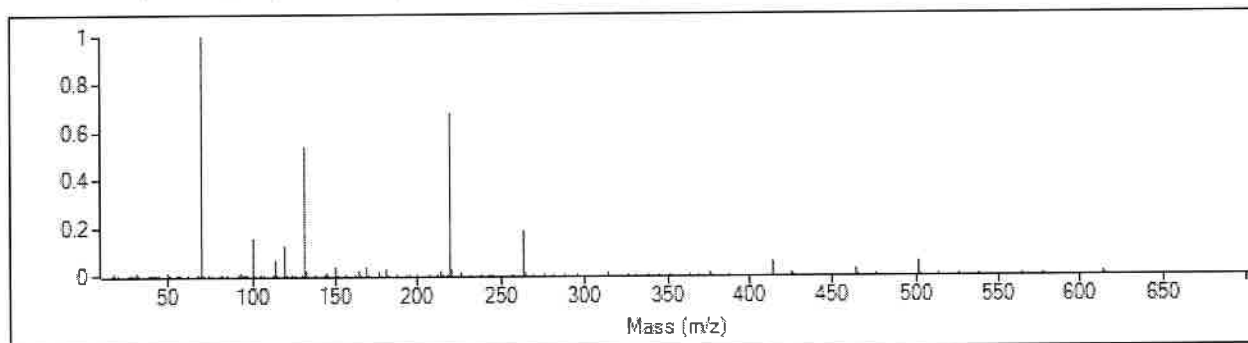


Ion Polarity	Pos	PFTBA	Open
Emission	34.6	Mass Gain	-583
Electron Energy	70.3	Mass Offset	-38
Filament	1	Amu Gain	2133
Repeller	34.96	Amu Offset	122.38
Ion Focus	81.6	Width219	-0.025
Entrance Lens	19.0	DC Polarity	Pos
Ent Lens Offset	19.07	HED Enable	On
		EM Volts	1224
		Scan Speed	3
JetClean Flow Actual/[Setpoint]	0.00 [0.00]	Averages	3

Actual m/z	Abund	Rel Abund	Pw50
69.00	455,759	100.0%	0.60
218.90	315,427	69.2%	0.60
501.90	25,652	5.6%	0.60

Temperatures and Pressures		
MS Source	230 Turbo Speed	100.0
MS Quad	150 Hi Vac	Off

Low	High	Step	Speed	Threshold	Peaks	Base	Abundance	Total Ion
10.00	701.00	0.10	3	100	146	69.00	440,256	1,460,160



Target m/z	Actual m/z	Abund	Rel Abund	Iso m/z	Iso Abund	Iso Ratio
69.00	69.00	440,256	100.0%	70.00	4,993	1.1%
219.00	219.00	299,456	68.0%	220.00	12,907	4.3%
502.00	502.00	24,248	5.5%	503.00	2,554	10.5%

Air/Water Check: H2O ~0.7% N2 ~0.6% O2 ~0.2% CO2 ~0.3% N2/H2O ~86.7%

Column(1) Flow: 1.00 Column(2): 0.06 ml/min Interface Temp: 280

Ramp Criteria:

Ion Focus maximum 90 volts using ion 502; Electron Multiplier Gain 34555.923

Repeller maximum 35 volts using ion 219; Gain Factor 0.3456

Mass Gain Values(Scan Speed): -570(3) -555(2) -544(1) -527(0) -440(FS1) -440(FS2)

TARGET MASS:	50	69	131	219	414	502	1050
Amu Offset	122.4	122.4	122.4	122.4	122.4	122.4	122.4
Entrance Lens Offset	19.1	19.1	19.1	19.1	19.1	19.1	19.1

Report Created: 8/9/2024 9:27 AM (UTC-04:00)

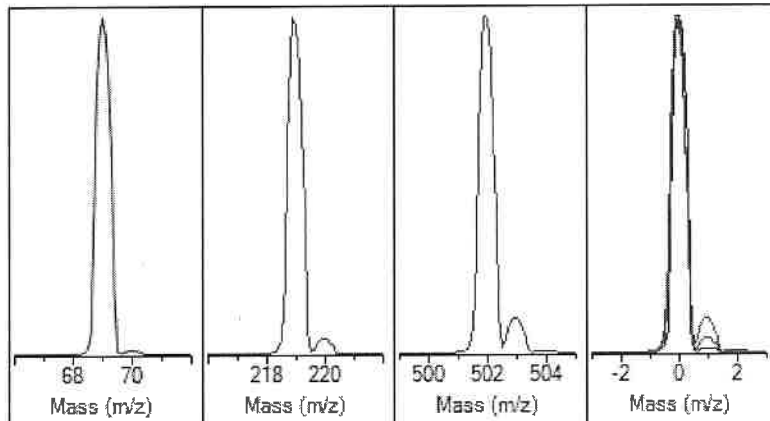
Autotune - 5975

Tune timestamp: 8/9/2024 2:13 PM (UTC-04:00)

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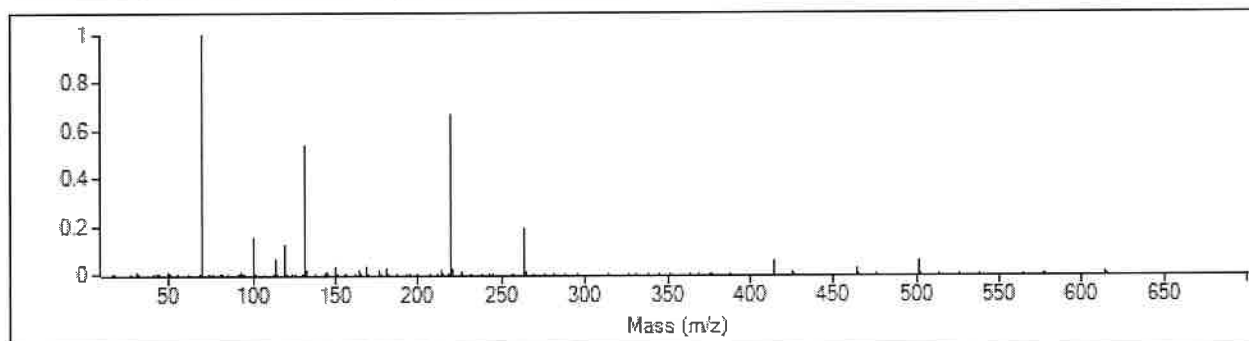


Ion Polarity	Pos	PFTBA	Open
Emission	34.6	Mass Gain	-579
Electron Energy	70.3	Mass Offset	-38
Filament	1	Amu Gain	2135
Repeller	34.96	Amu Offset	122.69
Ion Focus	82.6	Width219	-0.023
Entrance Lens	19.0	DC Polarity	Pos
Ent Lens Offset	19.07	HED Enable	On
		EM Volts	1188
		Scan Speed	3
JetClean Flow Actual/[Setpoint]	0.00 [0.00]	Averages	3

Actual m/z	Abund	Rel Abund	Pw50
69.00	456,952	100.0%	0.60
218.90	311,474	68.2%	0.60
501.90	24,853	5.4%	0.60

Temperatures and Pressures			
MS Source	230	Turbo Speed	100.0
MS Quad	150	Hi Vac	Off

Low	High	Step	Speed	Threshold	Peaks	Base	Abundance	Total Ion
10.00	701.00	0.10	3	100	130	69.00	440,320	1,450,587



Target m/z	Actual m/z	Abund	Rel Abund	Iso m/z	Iso Abund	Iso Ratio
69.00	69.00	440,320	100.0%	70.00	4,840	1.1%
219.00	219.00	294,912	67.0%	220.00	12,834	4.4%
502.00	502.00	23,640	5.4%	503.00	2,318	9.8%

Air/Water Check: H2O ~0.6% N2 ~0.5% O2 ~0.2% CO2 ~0.2% N2/H2O ~78.1%

Column(1) Flow: 1.00 Column(2): 0.06 ml/min Interface Temp: 280

Ramp Criteria:

Ion Focus maximum 90 volts using ion 502; Electron Multiplier Gain 23627.692

Repeller maximum 35 volts using ion 219; Gain Factor 0.2363

Mass Gain Values(Scan Speed): -567(3) -559(2) -544(1) -525(0) -437(FS1) -437(FS2)

TARGET MASS:	50	69	131	219	414	502	1050
Amu Offset	122.7	122.7	122.7	122.7	122.7	122.7	122.7
Entrance Lens Offset	19.1	19.1	19.1	19.1	19.1	19.1	19.1

Report Created: 8/9/2024 2:14 PM (UTC-04:00)