

TBI-FORENSIC SERVICES DIVISION PERFORMANCE VERIFICATION FORM

Instrument/Method to Verify:

Agilent GC/MS 8890/5977C - SN US2246A074/US2246MA10 - Stringbean

Check the appropriate box: New Validation ☐ Modification ☐ Performance Check ☒

Laboratory: NCL ☒ KCL ☐ JCL ☐ Unit: Forensic Chemistry

Based on training and competency, the following analyst(s) are authorized by the Technical Leader to participate in this study:

Name Isabella Barnett Title SAFS I Initials IB

Completed: *Isabella Barnett*
Isabella Barnett (May 1, 2023 11:17 CDT)

Name Glen Glenn Title SAFS II Initials GJG

Completed: *Glen Glenn*

Name _____ Title _____ Initials _____

Completed:

Verification of final review:

Unit Supervisor: *Rebecca Hernandez*

Section Manager: *Glen Everett*

Unit Supervisor: *Brett Trotter*

Section Manager:

Unit Supervisor:

Section Manager:

Regional Administrator: *Jennifer Hall*
Jennifer Hall (Apr 28, 2023 12:46 CDT)

Regional Administrator:

Regional Administrator:

Quality Assurance Manager: *Chad Johnson*
Chad Johnson (Apr 28, 2023 13:00 CDT)

By signing below, I have verified this study meets all requirements and I deem this procedure/instrument fit for the intended use:

Technical Leader: *Brett Trotter*

All information must be submitted to the Quality Assurance Manager prior to the implementation of the procedure/instrument. If applicable, include training plan and competency testing schedule.

Stringbean Validation

by: Isabella Barnett

Glen Glenn

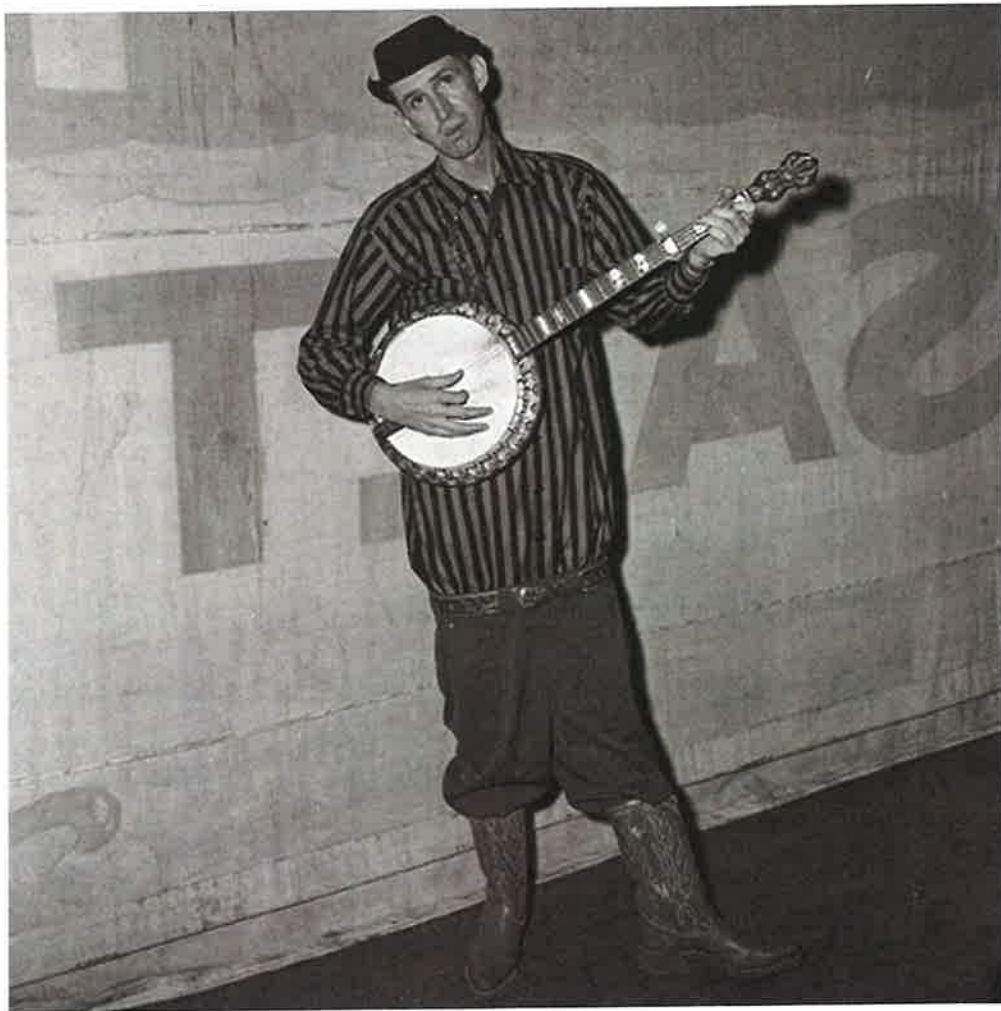


TABLE OF CONTENTS

Agilent 8890 GC System – Serial # US2246A074

Agilent 5977C GC/MSD – Serial # US2246MA10

Stringbean

ABSTRACT

VALIDATION OVERVIEW

INSTRUMENT AND COMPONENT SPECIFICATIONS

PURPOSE OF VALIDATION

TRAINING REQUIREMENTS

VALIDATION PROCEDURE

ANALYTICAL STANDARD SPECIFICATIONS

GC AND GC/MS METHODS

METHODS AND STANDARDS ANALYZED

METHOD PARAMETERS AND STANDARDS DATA

MISCELLANEOUS

ABSTRACT

Agilent 8890 GC System – Serial # US2246A074

Agilent 5977C GC/MSD – Serial # US2246MA10

Stringbean

The following documentation validates gas chromatograph / mass spectrometer instrumentation acquisitioned from Agilent Technologies for analytical utilization in the Forensic Chemistry Unit (FCU) of the Tennessee Bureau of Investigation Crime Laboratory in Nashville, Tennessee. Method establishment with parametric consideration of system temperature (inlet, GC oven ramping and duration, FID, transfer line, MS source, MS quad), columns (GC and MS), pressure (inlet, column), flow rates (column, split/splitless, FID -- H₂, air and makeup gases), split ratio, liners and autosample tower specifications and adjustments thereunto the aforementioned inaugurates performance verification of Agilent 8890 GC System and 5977C GC/MSD (each with manual and auto sampling injection designations) utilizing a variety of controlled substance analytical standards ranging in molecular weight and resulting retention time. Because this system is procedurally like GC/MS systems currently in use from Agilent Technologies and validated within the FCU, analysis of analytical standards in the initial method configuration guided subsequent manipulation of parameters to the final establishment of method parameters verified as acceptable with performance data of total ion chromatograph, spectral analysis of the mass spectrometer and chromatographic retention time of the flame ionization detector (FID). Also, during the entire process, inlet maintenance, autotune (atune), and analysis of the calibration standard mix (pethidine, cocaine and hydrocodone) for both GC and MS were routinely performed to monitor and assess system functionality. The concluding recommendation from the review of method parameters, functionality, data of specified analytical standards for specified GC and MS (manual and autosample) methods is for this Agilent 8890 GC System and 5977C GC/MSD to be utilized for the analysis of controlled substances in the Forensic Chemistry Unit.

VALIDATION OVERVIEW

Agilent 8890 GC System – Serial # US2246A074

Agilent 5977C GC/MSD – Serial # US2246MA10

Stringbean

The following documentation validates gas chromatograph / mass spectrometer instrumentation acquisitioned from Agilent Technologies for analytical utilization in the Forensic Chemistry Unit (FCU) of the Tennessee Bureau of Investigation Crime Laboratory in Nashville, Tennessee. Method establishment with parametric consideration of system temperature (inlet, GC oven ramping and duration, FID, transfer line, MS source, MS quad), columns (GC and MS), pressure (inlet, column), flow rates (column, split/split less, FID -- H₂, air and makeup gases), split ratio, liners and autosample tower specifications and adjustments thereunto the aforementioned inaugurates performance verification of the Agilent 8890 GC System and 5977C GC/MSD (each with manual and autosample injection designations), utilizing a variety of controlled substance analytical standards ranging in molecular weight and resulting retention time. Because this system is procedurally like GC/MS systems currently in use from Agilent Technologies and validated within the FCU, analysis of analytical standards in the initial method configuration guided subsequent manipulation of parameters to the final establishment of method parameters verified as acceptable with performance data of total ion chromatograph, spectral analysis of the mass spectrometer and chromatographic retention time of the flame ionization detector (FID). Also, during the entire process, inlet maintenance, autotune (atune), and analysis of calibration standard mix (pethidine, cocaine and hydrocodone) for both GC and MS was routinely performed to monitor and assess system functionality. The concluding recommendation from the review of method parameters, functionality, and data of analytical standards for specified GC and MS (manual and auto sample) methods is that this Agilent 8890 GC System and 5977C GC/MSD, Stringbean, has been evaluated and is fit for use in the analysis of all controlled substances in the Forensic Chemistry Unit.

INSTRUMENT AND COMPONENT SPECIFICATIONS

Agilent 8890 GC System – Serial # US2246A074

Agilent 5977C GC/MSD – Serial # US2246MA10

Stringbean

GAS CHROMATOGRAPH

Agilent 8890 GC System (G3540A)

Serial # US2246A074

MASS SPECTROMETER

Agilent 5977C GC/MSD (G7077C)

Serial # US2246MA10

AUTOSAMPLER TRAY

Agilent G4514A

Serial #RO22387064

AUTOSAMPLER TOWERS

GC: Agilent G4513A

Serial #RO22395026

MS: Agilent G4513A

Serial #RO22425051

COLUMNS

GC: Agilent J&W HP-1MS

Part #19091S-913, 15 meters, 0.320 mm diameter, 0.25 μ m film thickness

MS: Agilent J&W HP-1MS

Part #19091S-602, 12.5 meters, 0.200 mm diameter, 0.33 μ m film thickness

COMPUTER OPERATING SYSTEM

Device specifications:

Model name	HP Z2 SFF G5 Workstation
Device name	Stringbean
Processor	Intel ® Core ™ i510500 CPU @ 3.10 GHz
Installed RAM	16.0 GB (15.8 GB usable)
Device ID	5C99EC53-E985-4BBA-8F6C-D0F421E87D9E
Product ID	00330-54006-01902-AAOEM
System type	64-bit operating system, x64-based

Windows Specifications:

Edition	Windows 10 Pro
Version	22H2
Installed on	11/03/2022
OS build	19045.2728

Productivity tools:

Enhanced ChemStation

MSD ChemStation F.01.03.2365

Copyright 1989-2015 Agilent Technologies, Inc.

Agilent MassHunter Workstation

GC/MS Data Acquisition

Version 10.2.489

Copyright 2022 Agilent Technologies, Inc.

PURPOSE OF VALIDATION

Agilent 8890 GC System – Serial # US2246A074

Agilent 5977C GC/MSD – Serial # US2246MA10

Stringbean

Gas Chromatograph / Mass Spectrometry is critically relied upon within the Forensic Chemistry Unit (FCU) for the analysis of controlled substances. Due to adulterants and multiple controlled substances within samples, chromatographic methodology is a necessity for separation, isolation and identification of these compounds. Historically, Agilent Technologies GC/MS systems have been utilized in the FCU for the past twenty-two years with ChemStation software that is familiar across each 6890/5973, 6890N/5973 inert, 6890N/5975, 7890A/5975C 7890B/5977B and 8890B/5977C GC/MS systems. Therefore, the purpose of this study is to establish method parameters for both gas chromatograph and mass spectrometer utilizing manual injection and autosample modes of analysis. The methods will then be tested for function and practicality by injecting a variety of analytical standards to demonstrate detection at varying oven temperature initial set points and duration with ramped and isothermal temperature end points.

TRAINING REQUIREMENTS

Agilent 8890 GC System – Serial # US2246A074

Agilent 5977C GC/MSD – Serial # US2246MA10

Stringbean

The Agilent 8890 GC System and Agilent 5977C GC/MSD performs in concert with ChemStation and MassHunter engine and data analysis software consistent with that of Agilent's 6890/5973, 6890N/5973, 6890N/5975, 7890A/5975C, 7890/5977B and 8890/5977C. Each analyst within the Forensic Chemistry Unit has training and familiarity navigating this system; therefore, no special training is necessary for utilizing this system for analytical casework.

VALIDATION PROCEDURE

Agilent 8890 GC System – Serial # US2246A074

Agilent 5977C GC/MSD – Serial # US2246MA10

Stringbean

Instrument Setup

The initial instrument setup and check-out procedure was performed by Agilent technical representative Christian Randall. All electrical requirements and performance gases (helium, hydrogen and air) were in place as specified prior to installation.

Maintenance

Throughout the validation procedure, regular inlet maintenance, autotunes, and analysis of the GC/MS Calibration Standard Mix will be performed. Note: this will not necessarily be performed on a weekly basis but in conjunction with time devoted to the development, testing and establishment of the methods.

Establishing Method Parameters

Utilizing the ChemStation software, method construction begins with loading the system's default.m method and referencing established TBI FCU GC/MS methods to first construct MS DRUGS100. From the MS DRUGS100 method, all parameters of the remaining methods will be constructed, named and saved respective to MS, ASMS, GC, or ASGC designations.

Analytical Standards Analysis – The GC/MS Calibration Standard Mix of pethidine, cocaine and hydrocodone will be analyzed on all methods constructed except MS DRUGS60.

Low Temperature Initial Set Points – The GC/IR Test Solution, THPFF4, and Testosterone Acetate will be analyzed on all 60 and 100° C auto sample methods. THPFF4 will be analyzed on all 60 and 100° C manual methods. The GC/IR Test Solution will be analyzed on MS DRUGS60 and Testosterone Acetate will be analyzed on GC100.

Higher Temperature Set Points – Buprenorphine, LSD, Testosterone Acetate and Testosterone Benzoate will be analyzed on all 200° C auto sample methods. Buprenorphine and Testosterone Acetate will be analyzed on all 200° C manual methods.

Isothermal Set Points – The GC/IR Test Solution will be analyzed on both GC150ISO and ASGC150ISO methods. Testosterone Acetate and Testosterone Benzoate will be analyzed on all 280° C isothermal auto sample methods. Testosterone Acetate will be analyzed on all 280° C isothermal manual methods.

Time Reduced Methods – The GC/IR Test Solution will be analyzed on both MS100TR and ASMS100TR methods. No other standards analyzed apart from the GC/MS Calibration Standard Mix will be analyzed on the MS200TR and ASMS200TR methods.

Time Extended Methods – The GC/IR Test Solution, Buprenorphine, LSD, THPFF4, Testosterone Acetate and Testosterone Benzoate will be analyzed on the ASMSDRUGSTI method. Buprenorphine, THPFF4, and Testosterone Acetate will be analyzed on the MSDRUGSTI method. Testosterone Acetate will be analyzed on both GC280ISOTI and ASGC280ISOTI methods. Testosterone Benzoate will be analyzed on the ASGC280ISOTI method.

Evaluation

Acquired data from the aforementioned methods will be considered in the establishment of methods, ensuring detection, chromatographic quality, total ion chromatograph and ion abundance as well as baseline separation of standard mixtures such as the GC/IR Test Solution (amphetamine, methamphetamine and phentermine) and heroin and fentanyl of THPFF4.

ANALYTICAL STANDARD SPECIFICATIONS

Agilent 8890 GC System – Serial # US2246A074

Agilent 5977C GC/MSD – Serial # US2246MA10

Stringbean

STANDARDS ANALYZED

GC / MS Calibration Standard Mix

Pethidine: S.B. Penick Lot# 413 NMN-027

Cocaine (Base): Sigma Lot# SLCF4870

Hydrocodone: Merck Lot# V1526

Methanol: Lot# 221068 (Bottle 1 of 4)

Made: March 20, 2023 by GJG

Expires: March 20, 2024

GC / IR Test Solution

d-Amphetamine Sulfate: K&K Labs Lot# 83567

Phentermine: Sigma Lot# 47H0208

d,l-Methamphetamine: K&K Labs Lot# 732A

0.5N NaOH / CHCl₃ Extraction

0.5N NaOH: Lot# 214252

CHCl₃: Lot# 60059 (Bottle 4 of 4)

Made: February 23, 2023 by BJ/RH

Expires: February 23, 2024

THPFF4 Mix

4-ANPP: Cayman Chemical Lot# 0540831-30

Fentanyl Citrate: USPC Lot# 1275-F

Heroin: Cayman Chemical Lot# 0559235-2

Tramadol HCL: Sigma Aldrich Lot# BCBB9210

para-Fluorofentanyl (HCL): Cayman Chemical Lot# 0541563-60

Methanol: Lot# 218157 Bottle #8

Made: March 22, 2023 BJ/RH

Expires: March 22, 2024

Buprenorphine

Cerilliant Lot# FE03191903 Exp: 6/24

LSD

Cerilliant Lot# FE10161901 Exp: 10/24

Testosterone Acetate

Sigma Lot# 19F0299

Methanol: Lot# 202169 Bottle 4 of 8

Made: February 3, 2021 GJG

Expires: February 3, 2022

Re-verified: February 3, 2022 GBE

Expires: February 3, 2023

Re-verified: February 6, 2023 GBE

Expires: February 6, 2024

Testosterone Benzoate

Sigma Lot# 49F0246

Methanol: Lot# 202169 Bottle 4 of 8

Made: February 9, 2021 GJG

Expires: February 9, 2022

Re-verified: February 9, 2022 IB

Expires: February 9, 2023

Re-verified: February 10, 2023 RH

Expires: February 10, 2024

GC and GC/MS methods

Gas Chromatography /Mass Spectrometry methods

Manual Injection	
MSDRUGS100	100-280°C for 10 minutes
MSDRUGS200	200-280°C for 10 minutes
MSDRUGS60	60-280°C for 10 minutes
MSDRUGSTI	100-280°C for 30 minutes
MS280ISO	280°C isothermal for 20 minutes
MS100TR	100-280°C for 6 minutes
MS200TR	200-280°C for 6 minutes
MSDRUGS60NIT	60-280°C for 10 minutes (no solvent delay) (Heisenberg and Espresso only)

Auto-sample Injection	
ASMSDRUGS100	100-280°C for 10 minutes
ASMSDRUGS200	200-280°C for 10 minutes
ASMSDRUGS60	60-280°C for 10 minutes
ASMSDRUGSTI	100-280°C for 30 minutes
ASMS280ISO	280°C isothermal for 20 minutes
ASMS100TR	100-280°C for 6 minutes
ASMS200TR	200-280°C for 6 minutes
THC-MS (Quant)	230-280°C for 5 minutes (Heisenberg and Gumbo only)

Gas Chromatography Methods

Manual Injection	
GC100	100-280°C for 10 minutes
GC200	200-280°C for 10 minutes
GC150ISO	150°C for 10 minutes
GC280ISO	280°C Isothermal for 10 minutes
GC280ISOTI	280°C isothermal for 30 minutes

Auto-sample Injection	
ASGC100	100-280°C for 10 minutes
ASGC200	200-280°C for 10 minutes
ASGC150ISO	150°C for 10 minutes
ASGC280ISO	280°C Isothermal for 10 minutes
ASGC280ISOTI	280°C isothermal for 30 minutes

METHODS AND STANDARDS ANALYZED

Agilent 8890 GC System – Serial # US2246A074

Agilent 5977C GC/MSD – Serial # US2246MA10

Stringbean

MASS SPEC – MANUAL INJECTION

MSDRUGS100 GC/MS CALIBRATION STANDARD MIX
THPFF4

MSDRUGS200 GC/MS CALIBRATION STANDARD MIX
BUPRENORPHINE
TESTOSTERONE ACETATE

MSDRUGS60 GC/IR TEST SOLUTION
THPFF4

MSDRUGSTI GC/MS CALIBRATION STANDARD MIX
BUPRENORPHINE
THPFF4
TESTOSTERONE ACETATE

MS280ISO GC/MS CALIBRATION STANDARD MIX
TESTOSTERONE ACETATE

MS100TR GC/MS CALIBRATION STANDARD MIX
GC/IR TEST SOLUTION

MS200TR GC/MS CALIBRATION STANDARD MIX

MASS SPEC – AUTO SAMPLE INJECTION

ASMSDRUGS100 GC/MS CALIBRATION STANDARD MIX
GC/IR TEST SOLUTION
THPFF4
TESTOSTERONE ACETATE

ASMSDRUGS200 GC/MS CALIBRATION STANDARD MIX
BUPRENORPHINE
LSD
TESTOSTERONE ACETATE
TESTOSTERONE BENZOATE

ASMSDRUGS60 GC/MS CALIBRATION STANDARD MIX
GC/IR TEST SOLUTION
THPFF4
TESTOSTERONE ACETATE

ASMSDRUGSTI GC/MS CALIBRATION STANDARD MIX
GC/IR TEST SOLUTION
BUPRENORPHINE
LSD
THPFF4
TESTOSTERONE ACETATE
TESTOSTERONE BENZOATE

ASMS280ISO GC/MS CALIBRATION STANDARD MIX
TESTOSTERONE ACETATE
TESTOSTERONE BENZOATE

ASMS100TR GC/MS CALIBRATION STANDARD MIX
GC/IR TEST SOLUTION

ASMS200TR

GC/MS CALIBRATION STANDARD MIX

GC – MANUAL INJECTION

GC100

GC/MS CALIBRATION STANDARD MIX

THPFF4

TESTOSTERONE ACETATE

GC200

GC/MS CALIBRATION STANDARD MIX

BUPRENORPHINE

TESTOSTERONE ACETATE

GC150ISO

GC/MS CALIBRATION STANDARD MIX

GC/IR TEST SOLUTION

GC280ISO

GC/MS CALIBRATION STANDARD MIX

TESTOSTERONE ACETATE

GC280ISOTI

GC/MS CALIBRATION STANDARD MIX

TESTOSTERONE ACETATE

GC – AUTO SAMPLE INJECTION

ASGC100

GC/MS CALIBRATION STANDARD MIX

GC/IR TEST SOLUTION

THPFF4

TESTOSTERONE ACETATE

ASGC200

GC/MS CALIBRATION STANDARD MIX

BUPRENORPHINE

LSD

TESTOSTERONE ACETATE

TESTOSTERONE BENZOATE

ASGC150ISO GC/MS CALIBRATION STANDARD MIX
GC/IR TEST SOLUTION

ASGC280ISO GC/MS CALIBRATION STANDARD MIX
TESTOSTERONE ACETATE
TESTOSTERONE BENZOATE

ASGC280ISOTI GC/MS CALIBRATION STANDARD MIX
TESTOSTERONE ACETATE
TESTOSTERONE BENZOATE

METHOD CONTROL PARAMETERS

Method Information for: D:\MassHunter\GCMS\1\methods\MSDRUGS100.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:

This is a manual injection MS 100-280 / 10 minute method.

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	D:\MassHunter\GCMS\1\methods\MSDRUGS100.M
Tune file	ATUNE.U
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.0
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 6,250 [N=0]

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	40	550

Self-Cleaning Ion Source Parameters

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

D:\MassHunter\GCMS\1\methods\MSDRUGS100.M

Tue Apr 04 08:02:39 2023

Control Information

Sample Inlet : GC
Injection Source : Manual
Mass Spectrometer : Enabled

No Sample Prep method has been assigned to this method.

GC
GC Summary
Run Time 10.001 min
Post Run Time 0 min

Oven
Temperature
Setpoint On
(Initial) 100 °C
Hold Time 1 min
Post Run 50 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 6.43 min

Equilibration Time 0.25 min
Max Temperature 350 °C
Minimum Temperature Override Disabled
Fan Disabled

ALS
Front 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 0
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 1 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.5 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	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 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	
Helium Conservation Controlled	Off
Mode	Split
Heater	On 250 °C
Pressure	On 8.5 psi
Total Flow	On 45.194 mL/min
Septum Purge Flow	On 3 mL/min
Pre-Run Flow Test	Off
Gas Saver	On 20 mL/min after 3 min
Split Ratio	50 :1
Split Flow	41.367 mL/min
Liner	A Liner has not been selected.
Back SS Inlet He	
Helium Conservation Controlled	Off
Mode	Split
Heater	On 250 °C
Pressure	On 8.5 psi
Total Flow	On 141.9 mL/min
Septum Purge Flow	On 3 mL/min
Pre-Run Flow Test	Off
Gas Saver	Off
Split Ratio	50 :1
Split Flow	136.18 mL/min
Liner	A Liner has not been selected.
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	0.82733 mL/min
Post Run	1 mL/min

Column Information	Agilent 19091S-602
Description	HP-1MS
Temperature Range	-60 °C-325 °C (350 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm (Calibrated)
Heater	Oven
Column lock	Unlocked
	Front SS Inlet He
	MSD
(Initial)	100 °C
Pressure	8.5 psi
Flow	0.82733 mL/min
Average Velocity	52.55 cm/sec
Holdup Time	0.39644 min
Control Mode	Constant Flow

Column #2	
Pressure	
Setpoint	On
(Initial)	8.5 psi
Post Run	2.8778 psi

Column Information	Agilent 19091S-913
Temperature Range	-60 °C-325 °C (350 °C)
Dimensions	15 m x 320 µm x 0.25 µm (Calibrated)
Heater	Oven
Column lock	Unlocked
In	Back SS Inlet He
Out	Back Detector FID
(Initial)	100 °C
Pressure	8.5 psi
Flow	2.7236 mL/min
Average Velocity	54.059 cm/sec
Holdup Time	0.46246 min
Control Mode	Constant Pressure

Column Outlet Pressure	0 psi
------------------------	-------

Back Detector FID	
Makeup	He
Heater	On 300 °C
H2 Flow	Off
Air Flow	Off
Makeup Flow	Off
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	Off
Blank Evaluation Setpoints	
Perform Blank Evaluation Test	Off

Helium Conservation	
Helium Valve	Off
Nitrogen Valve	Off

Detector Evaluation	
Perform Detector Evaluation Test	Off

MSD Transfer Line	
Temperature	
Setpoint	On
(Initial)	280 °C

Signals	
Signal #1:	
Description	None

Signal #2:	
Description	None
Signal #3:	
Description	None
Signal #4:	
Description	None
Signal #5:	
Description	None
Signal #6:	
Description	None
Signal #7:	
Description	None
Signal #8:	
Description	None

TUNE PARAMETERS for SN: US2246MS10

Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
29.720	:	REPELLER	
90.331	:	IONFOCUS	
20.181	:	ENTRANCE_LENS	
883.721	:	EMVOLTS	
		913.2	: Actual EMV
		1.00	: GAIN FACTOR
3335.000	:	AMUGAIN	
132.750	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
13.233	:	ENTLENSOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
421.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

DATA ANALYSIS PARAMETERS

Method Name: D:\MassHunter\GCMS\1\methods\MSDRUGS100.M

Percent Report Settings

Sort By: Signal

Output Destination

Screen: No
Printer: Yes
File: No

Integration Events: AutoIntegrate

Generate Report During Run Method: No

Signal Correlation Window: 0.020

Qualitative Report Settings

Peak Location of Unknown: Apex

Library to Search	Minimum Quality
Q:\Instrument Libraries\Current\TBI_DRUG.L	0
Q:\Instrument Libraries\Current\SWGDRUG 3.12.L	0
Q:\Instrument Libraries\Current\CaymanSpectralLibrary.L	

Integration Events: AutoIntegrate

Report Type: Summary

Output Destination

Screen: No
Printer: Yes
File: No

Generate Report During Run Method: No

Quantitative Report Settings

Report Type: Summary

Output Destination

Screen: Yes

Printer: No

File: No

Generate Report During Run Method: No

Calibration Last Updated:

Reference Window: 10.00 Percent

Non-Reference Window: 5.00 Percent

Correlation Window: 0.02 minutes

Default Multiplier: 1.00

Default Sample Concentration: 0.00

Compound Information

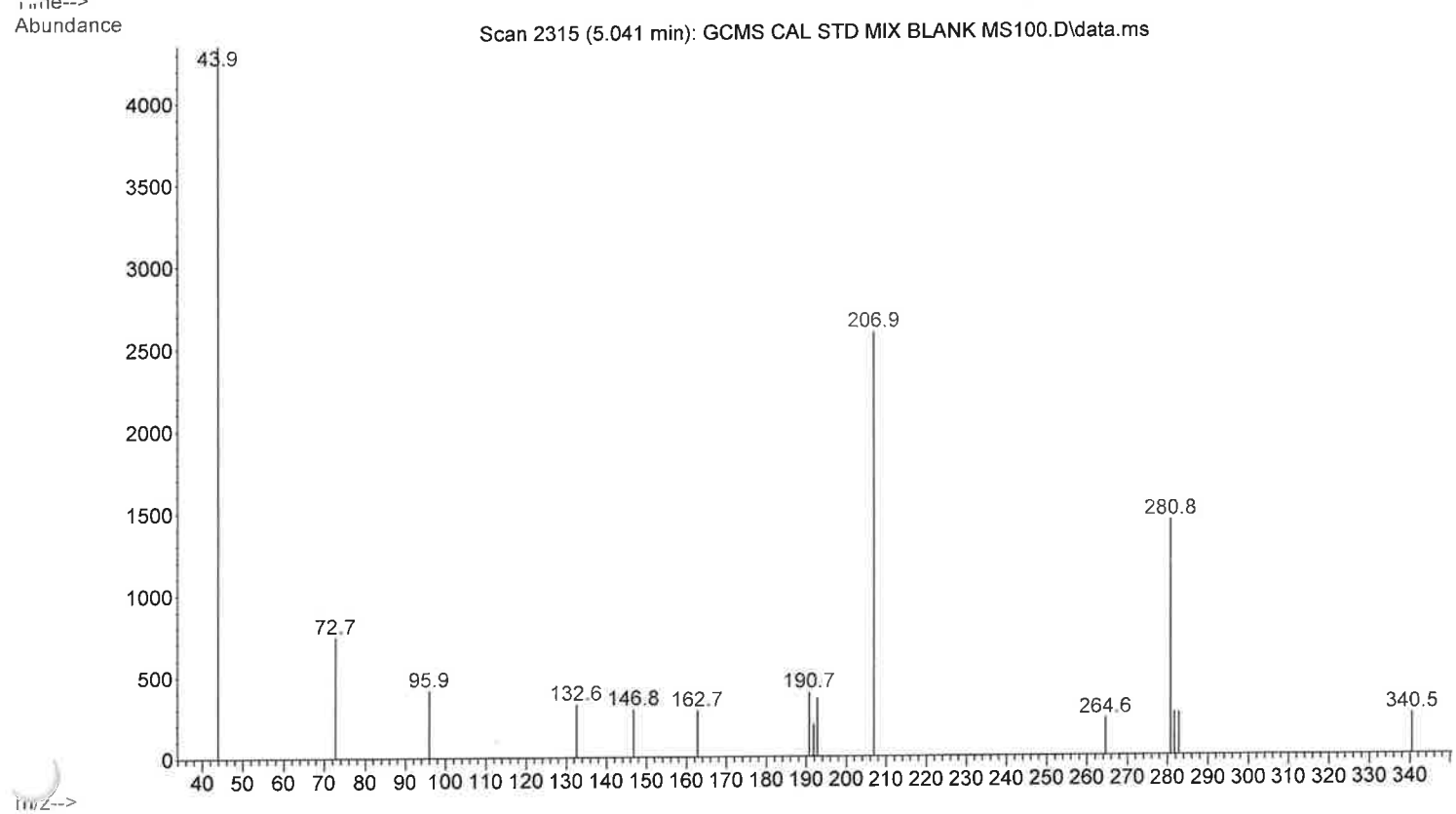
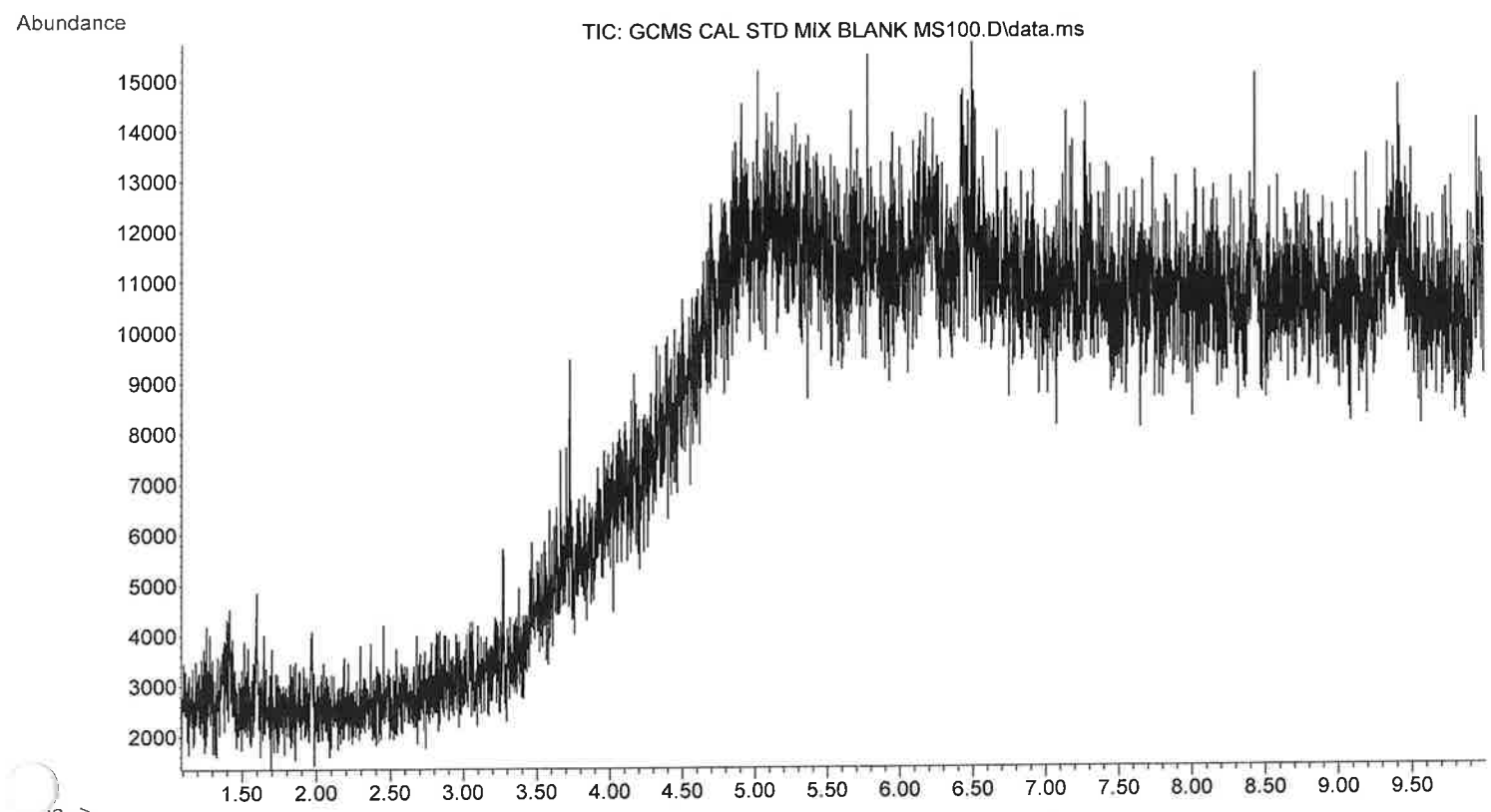
*** Empty Quantitation Database ***

END OF DATA ANALYSIS PARAMETERS

Tue Apr 04 08:02:41 2023

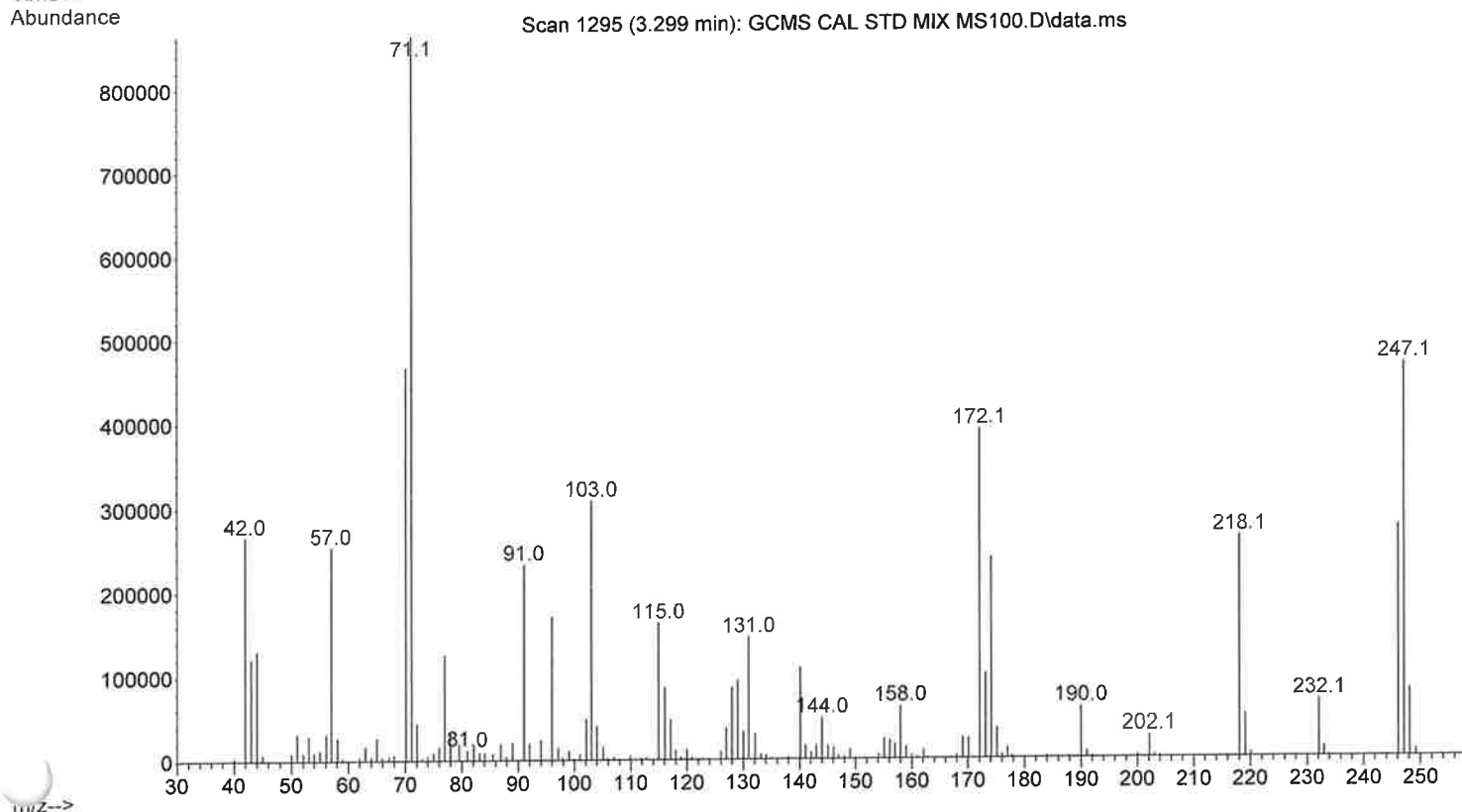
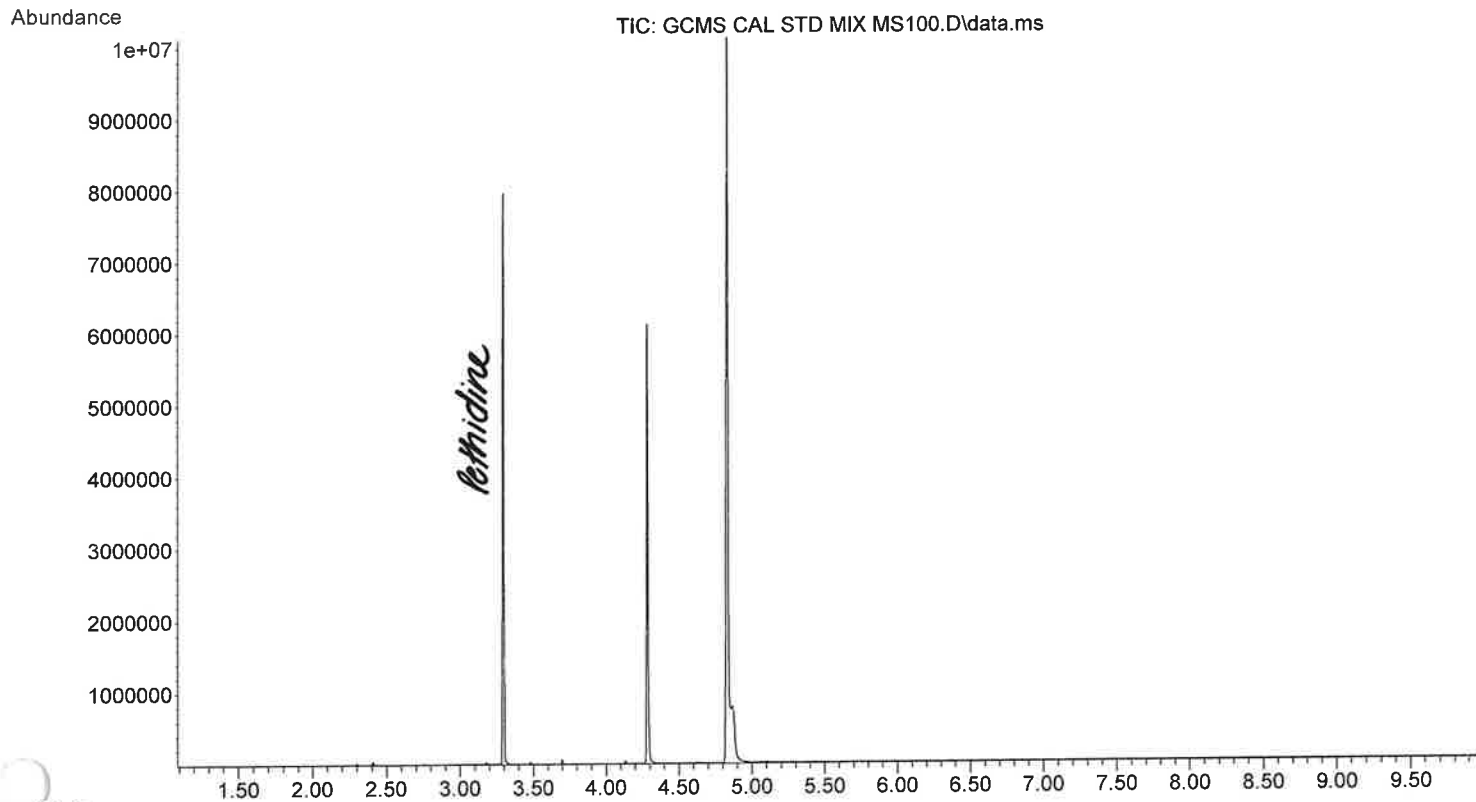
406

File :X:\2023\IB\04-18-23\GCMS CAL STD MIX BLANK MS100.D
Operator : Isabella Barnett
Acquired : 18 Apr 2023 11:48 using AcqMethod MSDRUGS100.M
Instrument : Stringbean
Sample Name: GCMS CAL STD MIX BLANK MS100
Misc Info : MEOH
Vial Number: 0



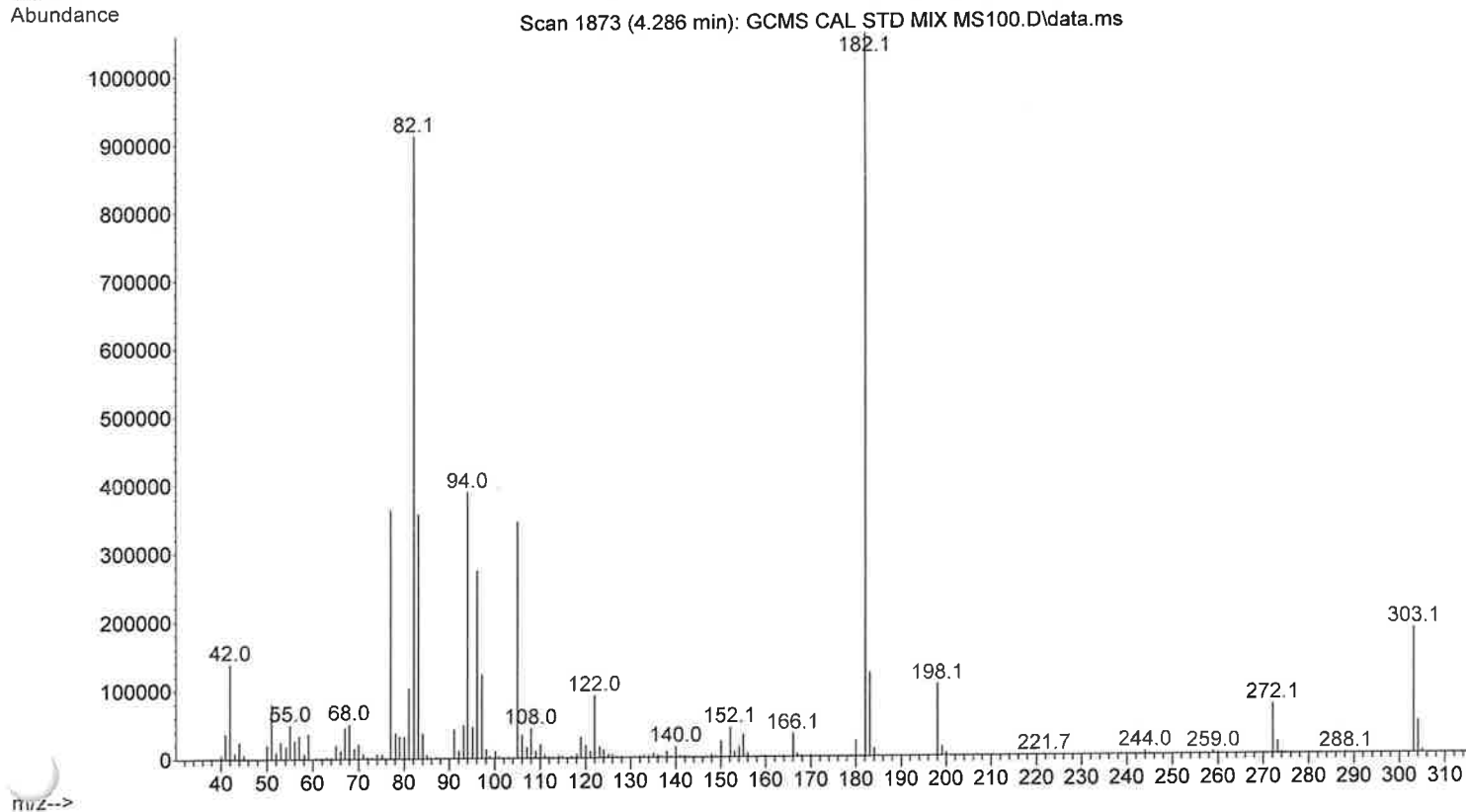
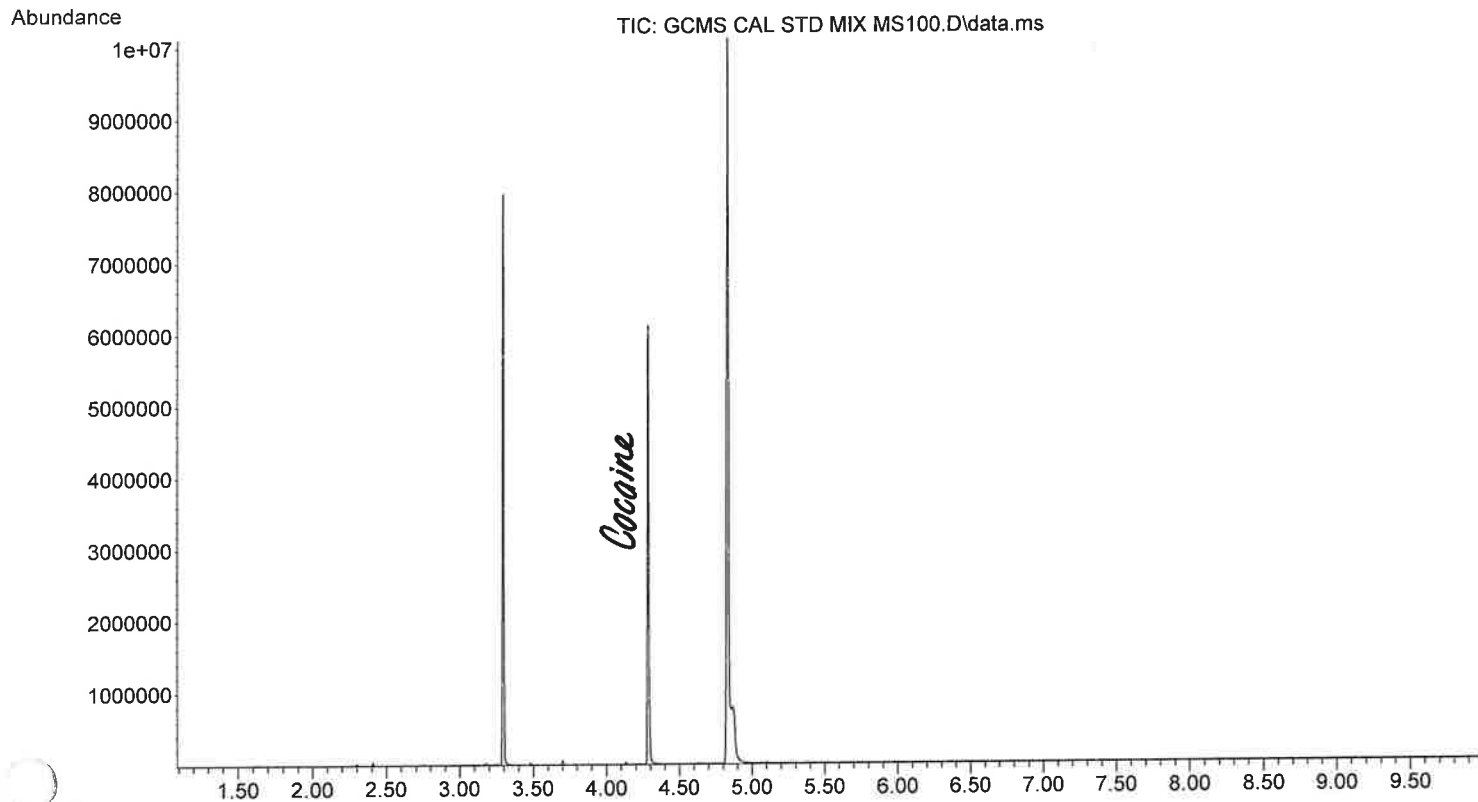
906

File : X:\2023\IB\04-18-23\GCMS CAL STD MIX MS100.D
Operator : Isabella Barnett
Acquired : 18 Apr 2023 12:01 using AcqMethod MSDRUGS100.M
Instrument : Stringbean
Sample Name: GCMS CAL STD MIX MS100
Misc Info : MEOH, Exp. 03-20-24
Vial Number: 0



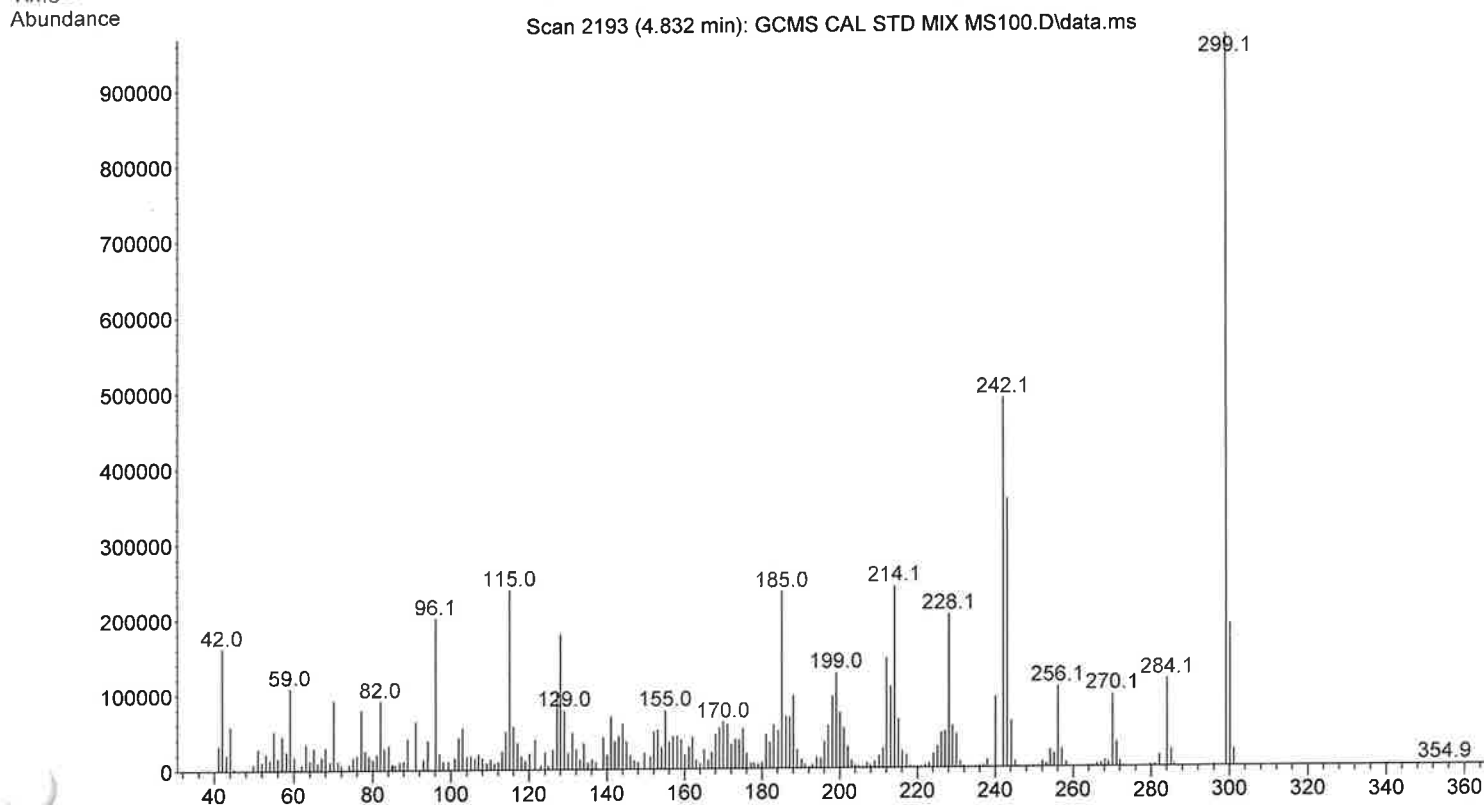
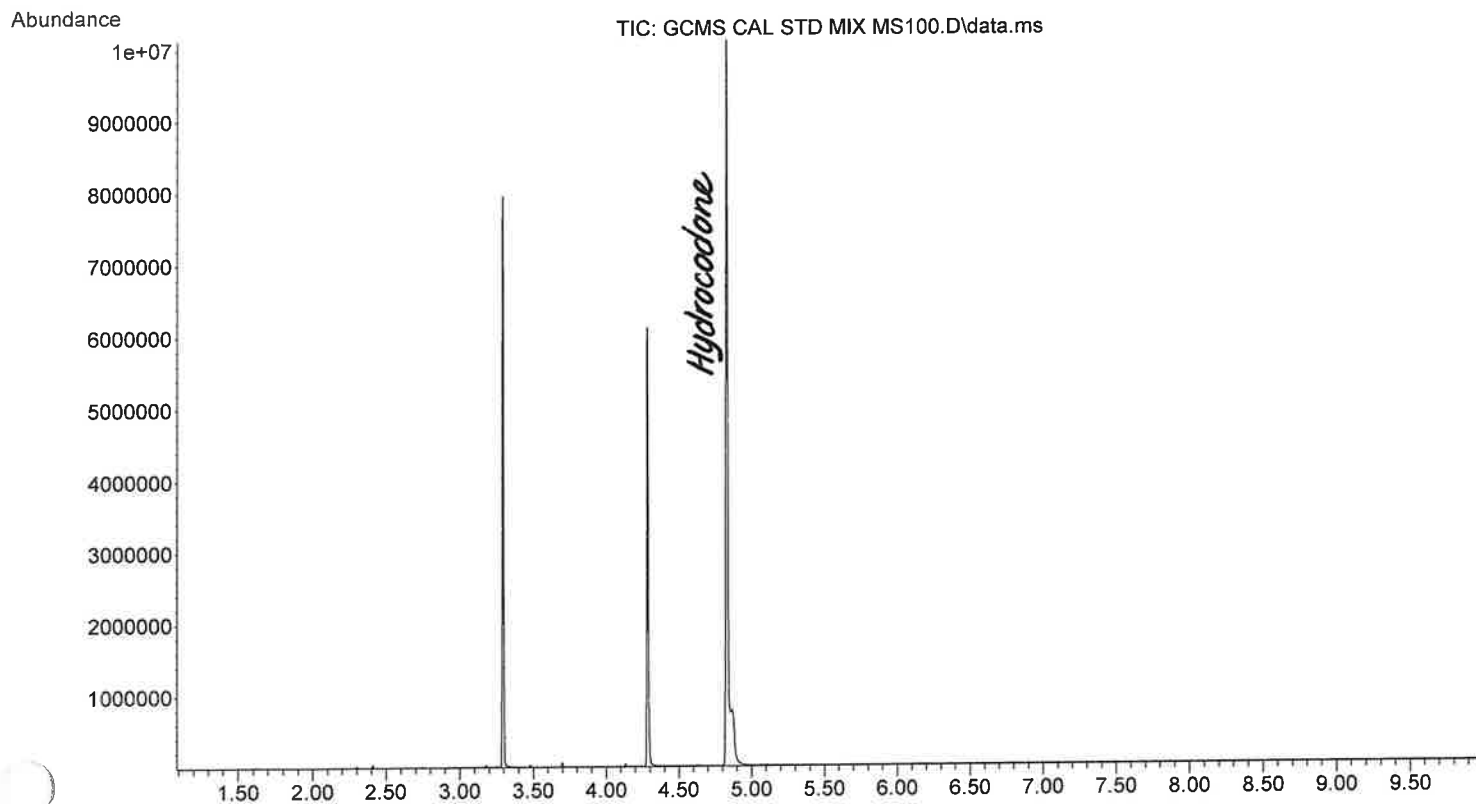
902

File : X:\2023\IB\04-18-23\GCMS CAL STD MIX MS100.D
Operator : Isabella Barnett
Acquired : 18 Apr 2023 12:01 using AcqMethod MSDRUGS100.M
Instrument : Stringbean
Sample Name: GCMS CAL STD MIX MS100
Misc Info : ME0H, Exp. 03-20-24
Vi umber: 0



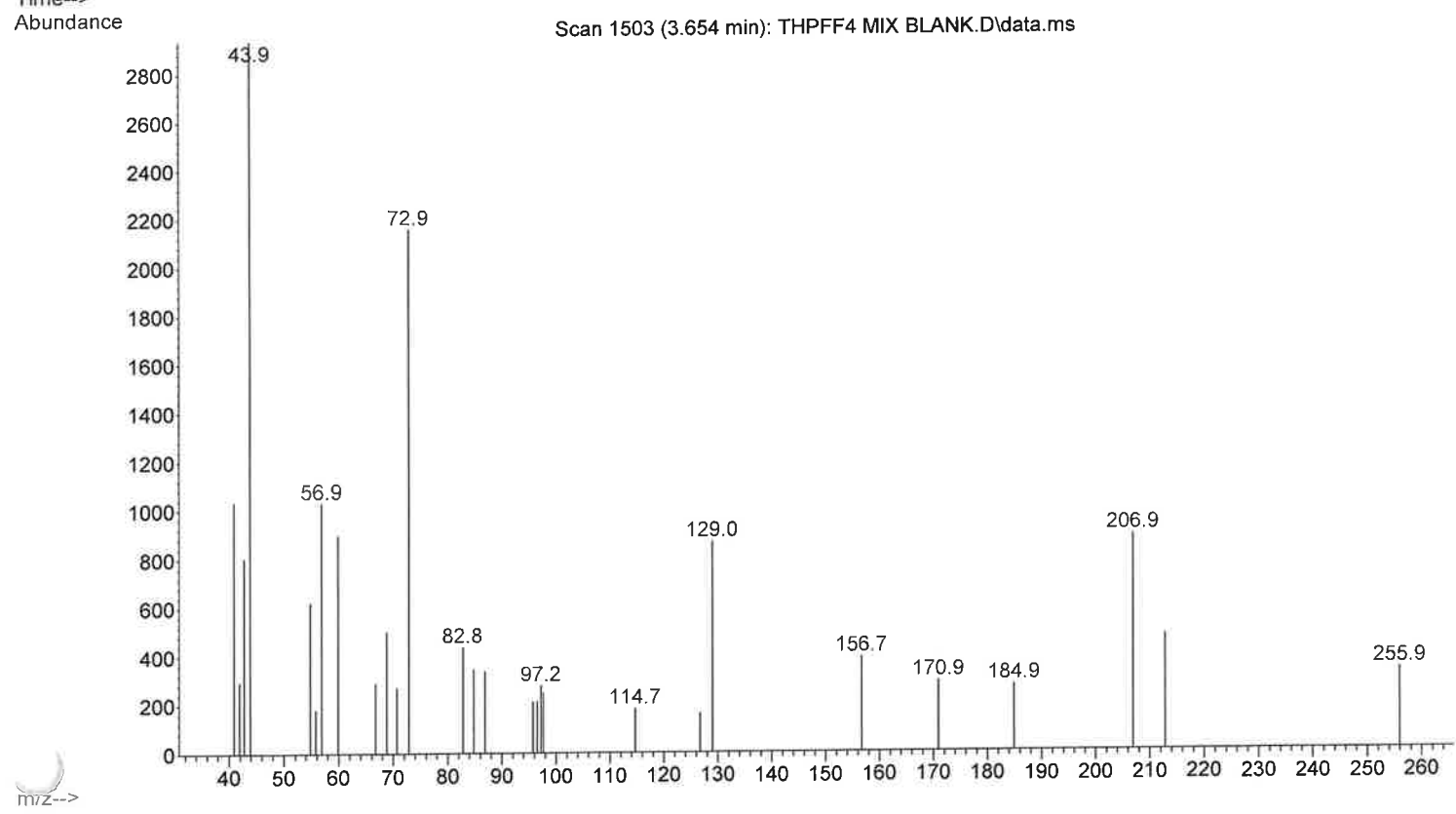
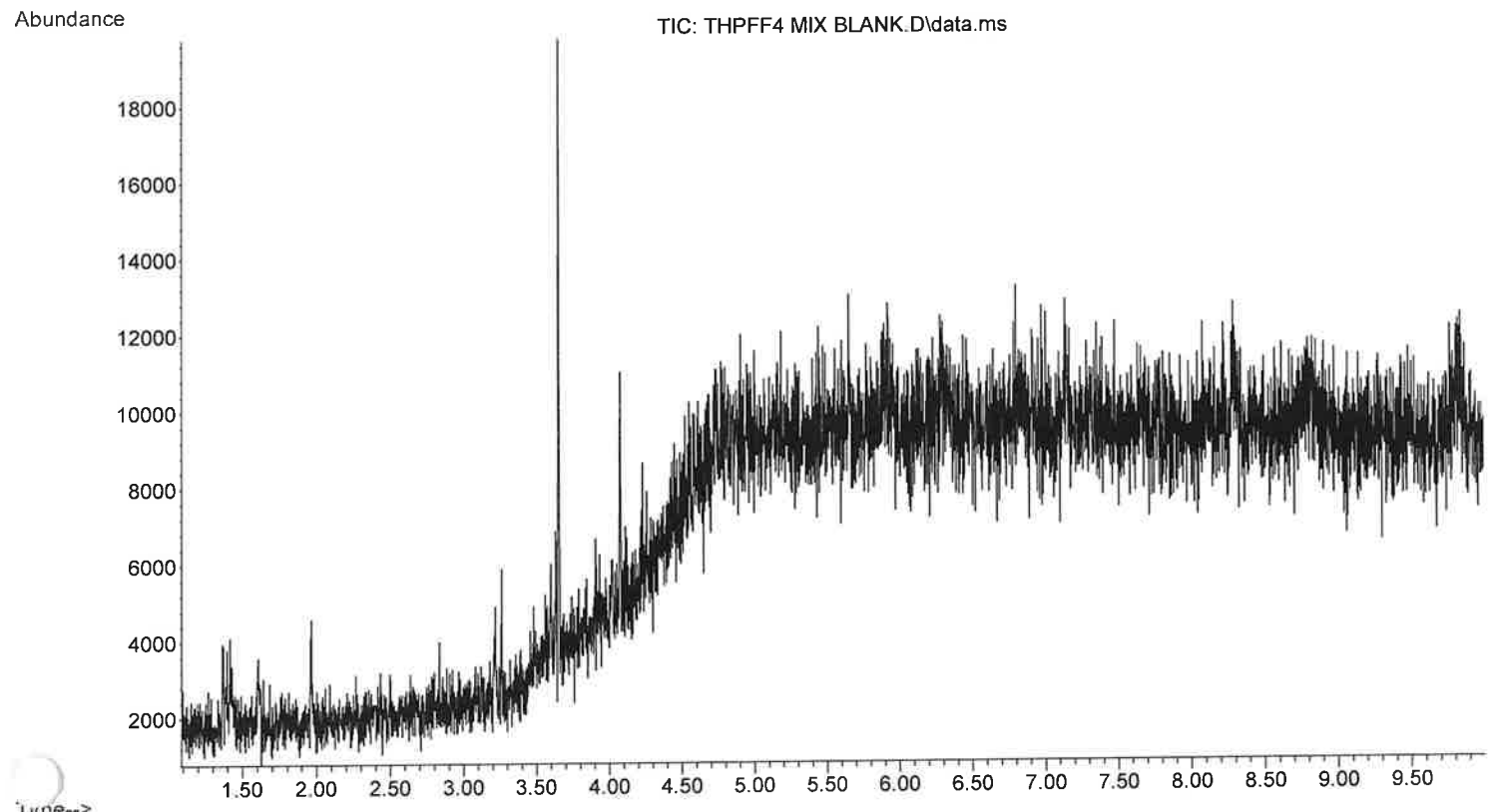
916

File :X:\2023\IB\04-18-23\GCMS CAL STD MIX MS100.D
Operator : Isabella Barnett
Acquired : 18 Apr 2023 12:01 using AcqMethod MSDRUGS100.M
Instrument : Stringbean
Sample Name: GCMS CAL STD MIX MS100
Misc_Info : MEOH, Exp. 03-20-24
Vi umber: 0



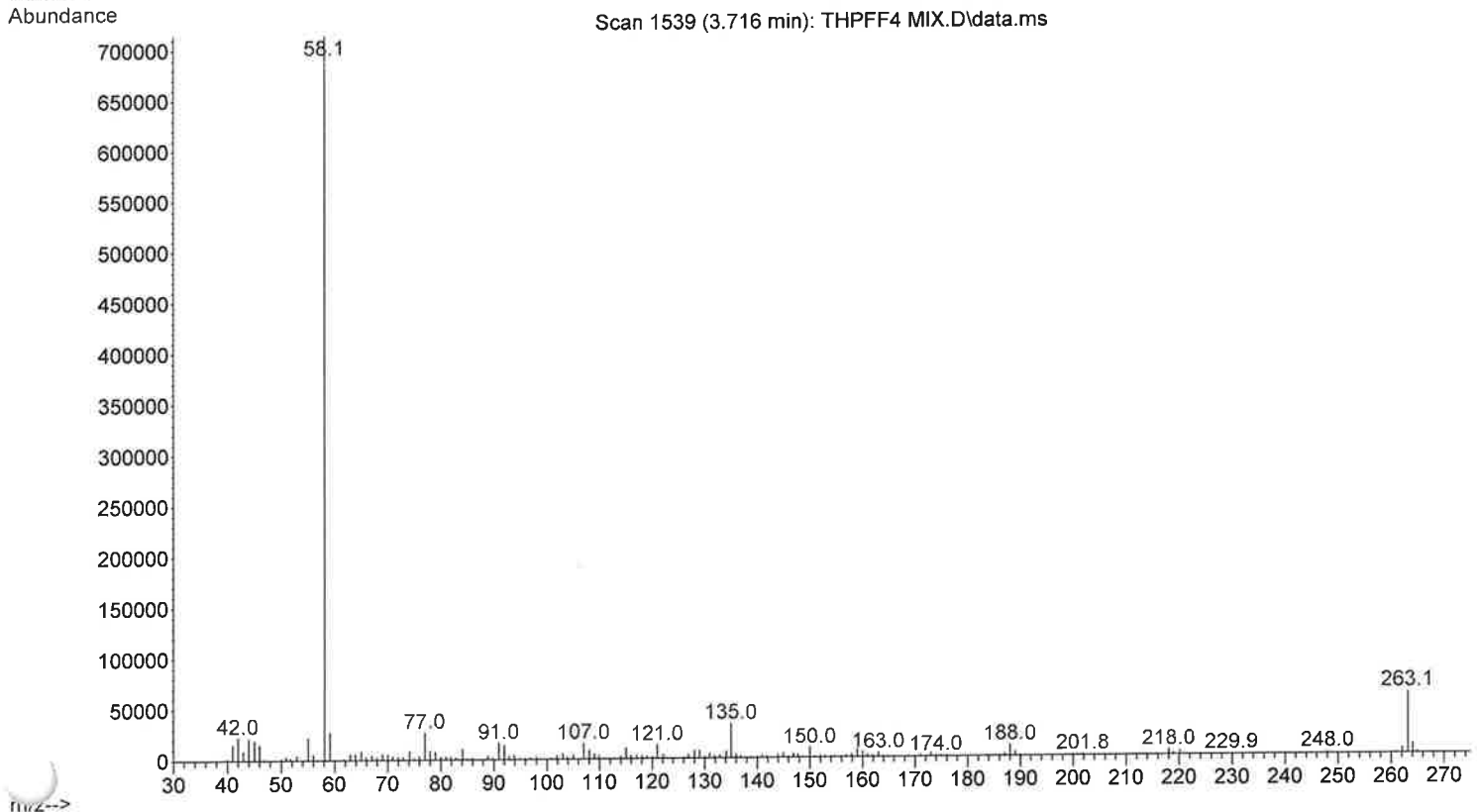
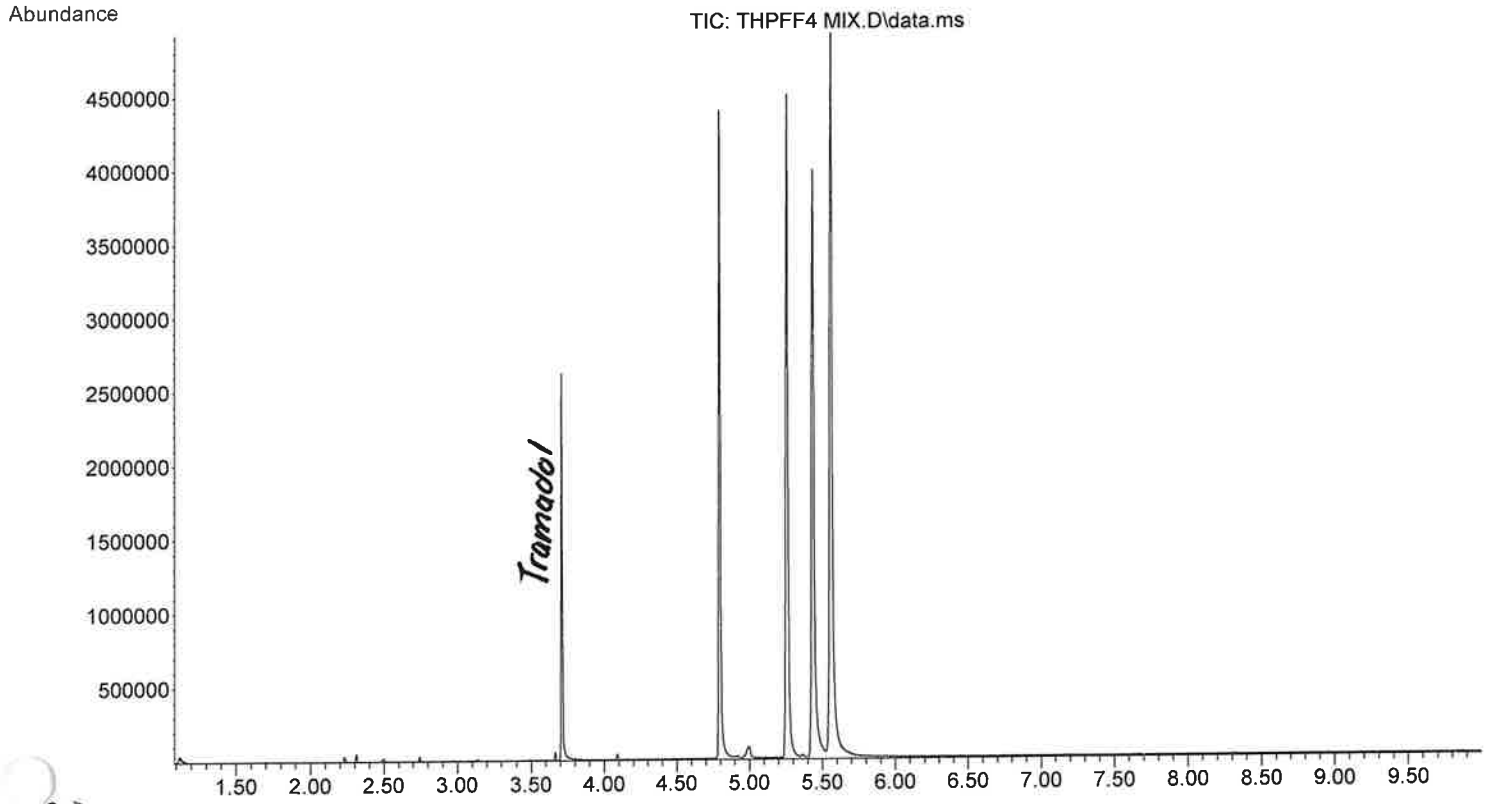
906

File :X:\2023\IB\04-18-23\THPFF4 MIX BLANK.D
Operator : Isabella Barnett
Acquired : 18 Apr 2023 12:25 using AcqMethod MSDRUGS100.M
Instrument : Stringbean
Sample Name: THPFF4 MIX BLANK
Misc Info : MEOH
Vial Number: 0



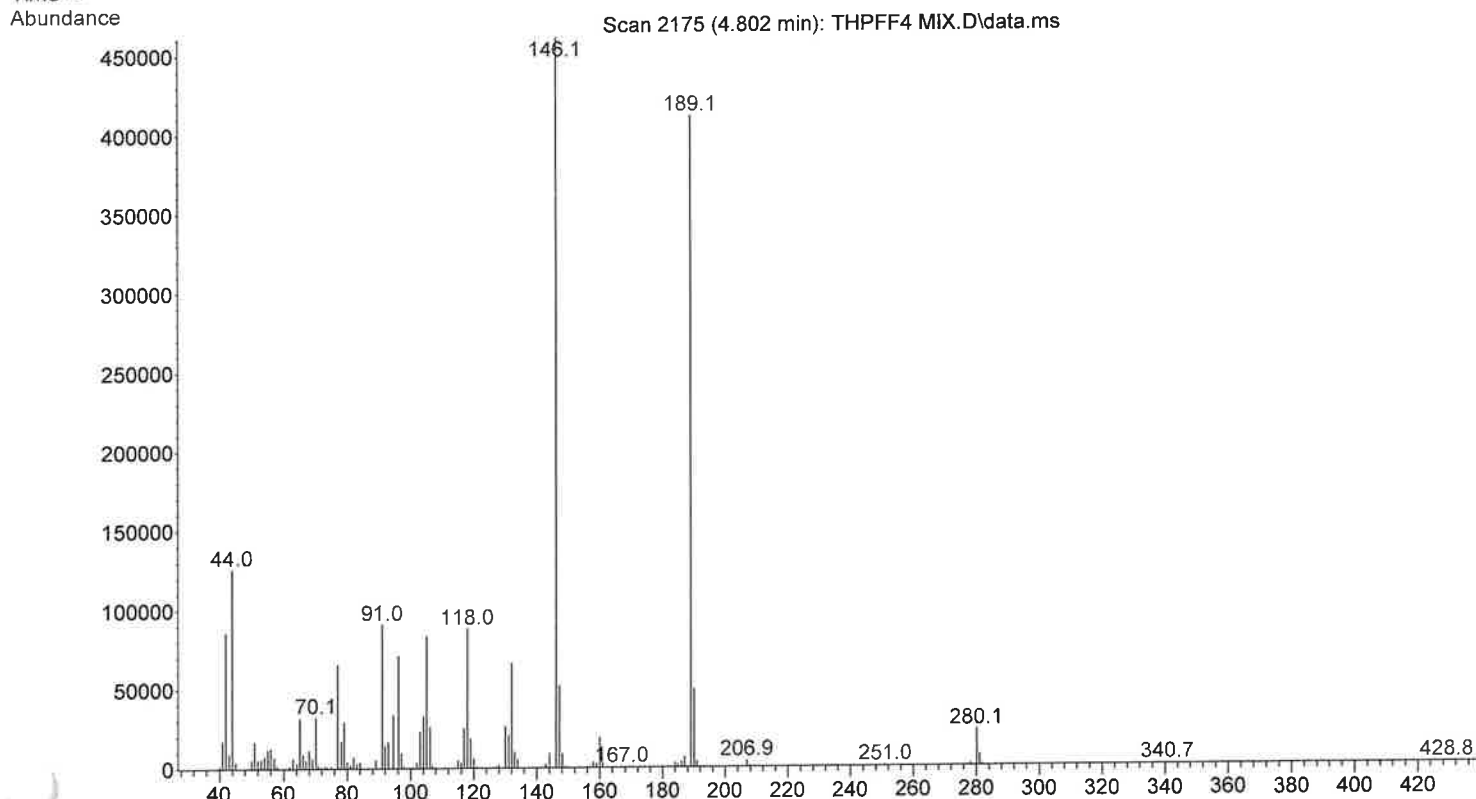
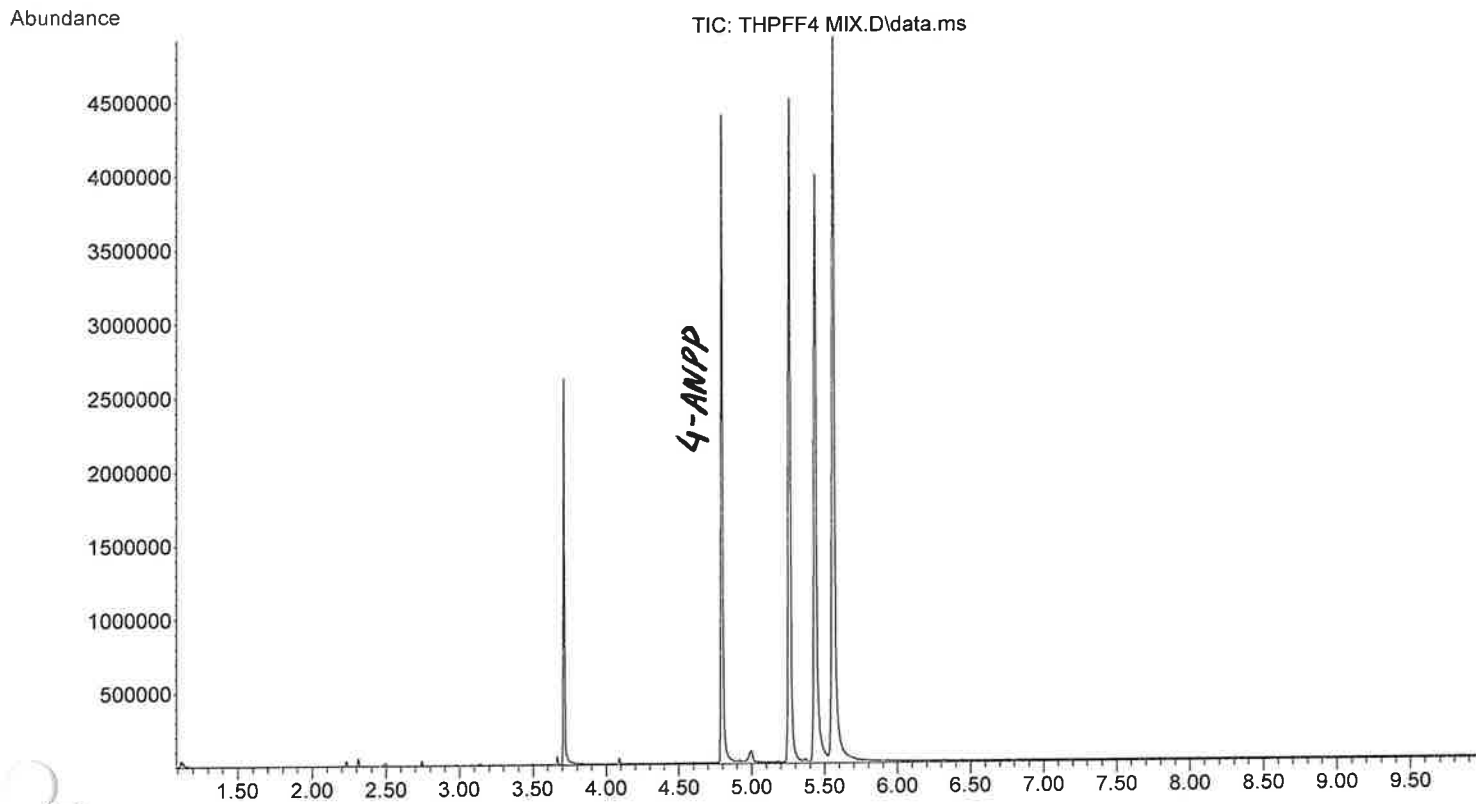
File :X:\2023\IB\04-18-23\THPFF4 MIX.D
Operator : Isabella Barnett
Acquired : 18 Apr 2023 12:37 using AcqMethod MSDRUGS100.M
Instrument : Stringbean
Sample Name: THPFF4 MIX
Misc Info : MEOH, Exp. 03-22-24
Vi: umber: 0

all



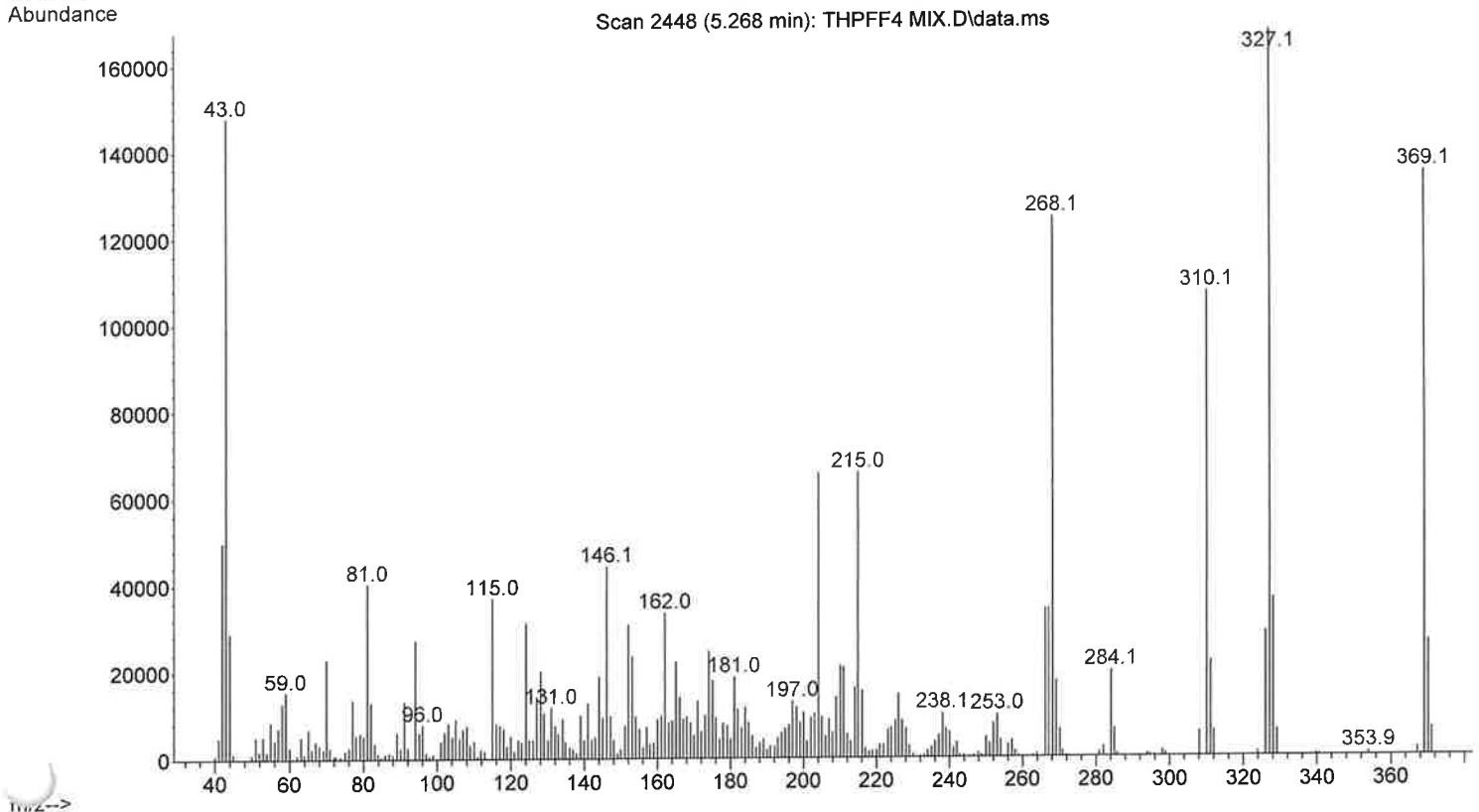
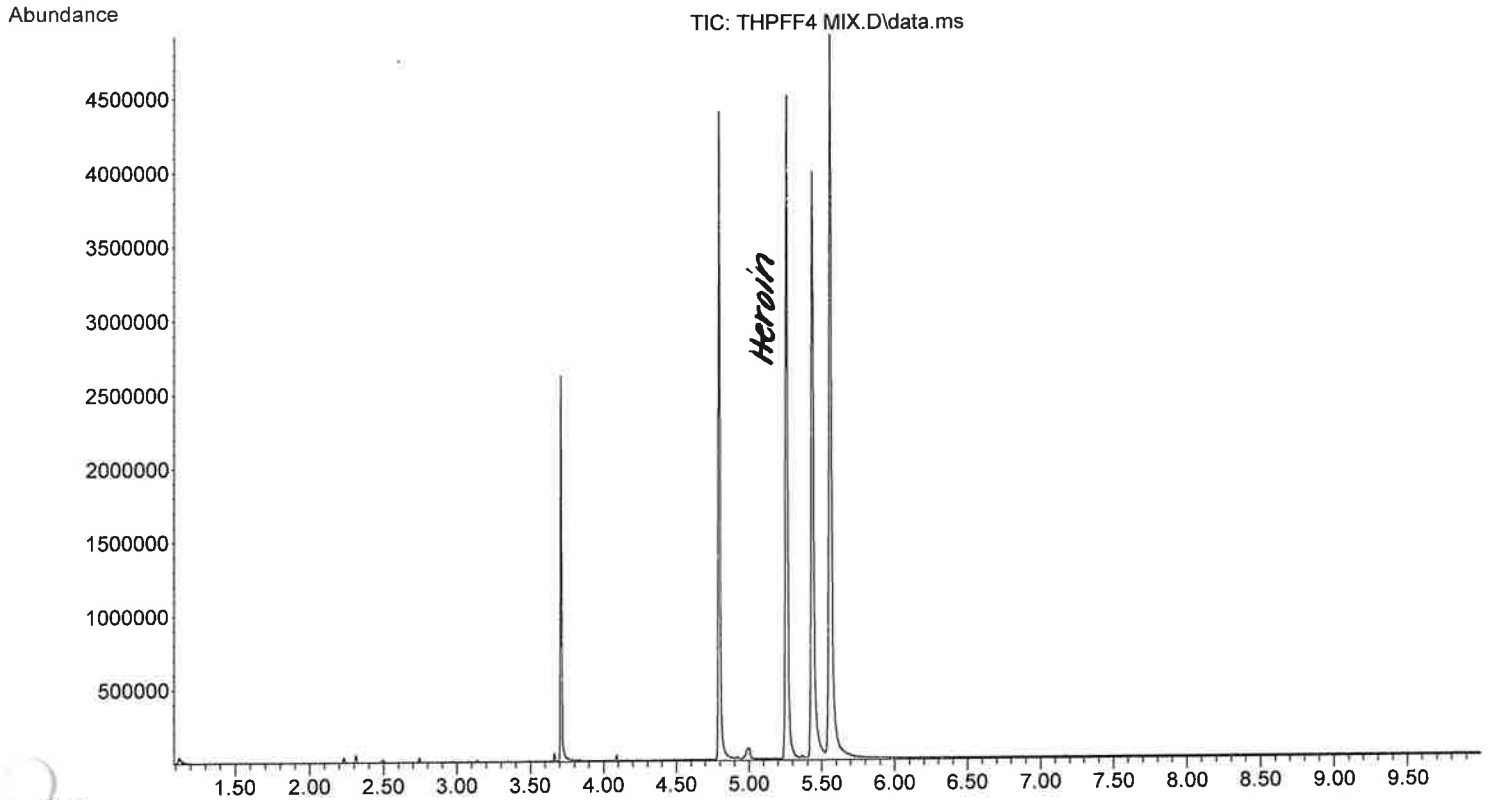
File :X:\2023\IB\04-18-23\THPFF4 MIX.D
Operator : Isabella Barnett
Acquired : 18 Apr 2023 12:37 using AcqMethod MSDRUGS100.M
Instrument : Stringbean
Sample Name: THPFF4 MIX
Misc Info : MEOH, Exp. 03-22-24
Vial Number: 0

alt



File :X:\2023\IB\04-18-23\THPFF4 MIX.D
Operator : Isabella Barnett
Acquired : 18 Apr 2023 12:37 using AcqMethod MSDRUGS100.M
Instrument : Stringbean
Sample Name: THPFF4 MIX
Misc Info : MEOH, Exp. 03-22-24
Vial Number: 0

IB

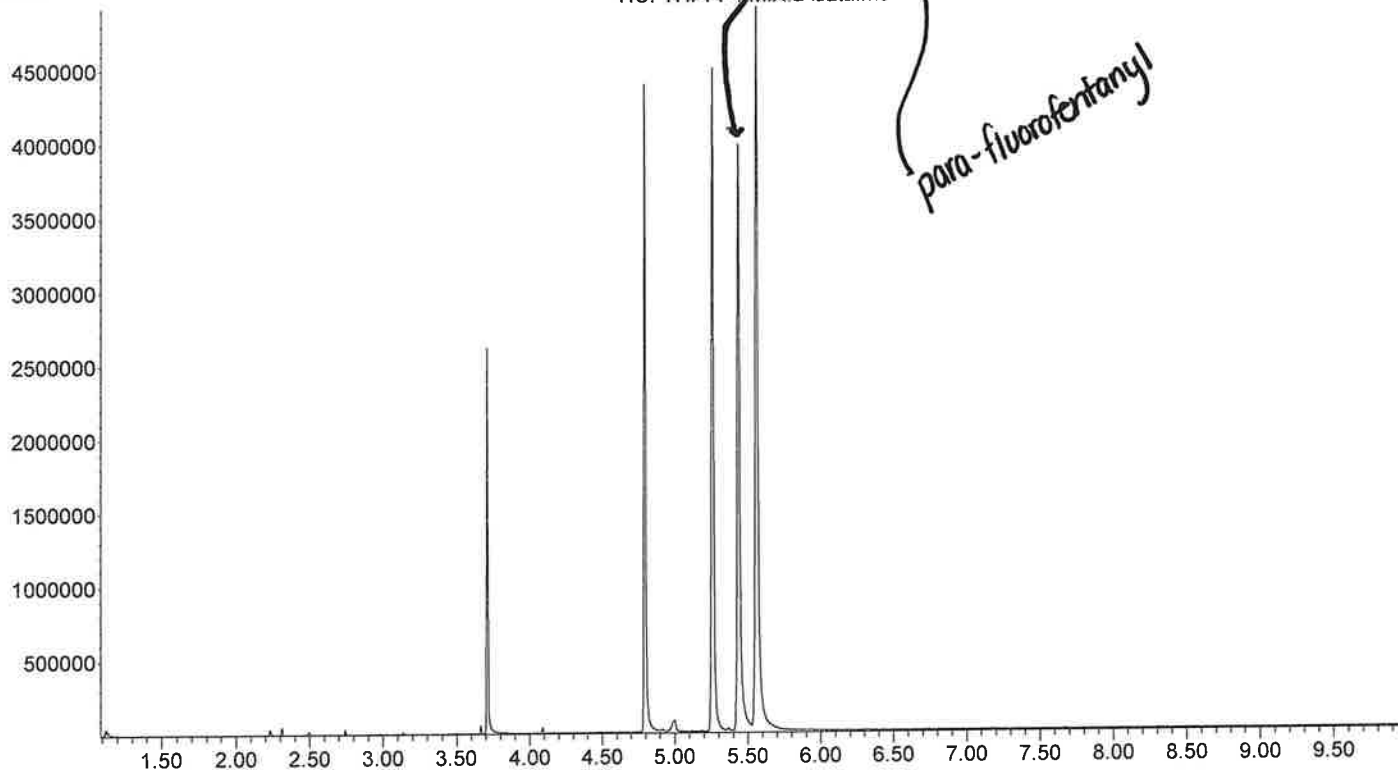


File :X:\2023\IB\04-18-23\THPFF4 MIX.D
Operator : Isabella Barnett
Acquired : 18 Apr 2023 12:37 using AcqMethod MSDRUGS100.M
Instrument : Stringbean
Sample Name: THPFF4 MIX
Misc Info : MEOW, Exp. 03-22-24
Vi umber: 0

gh

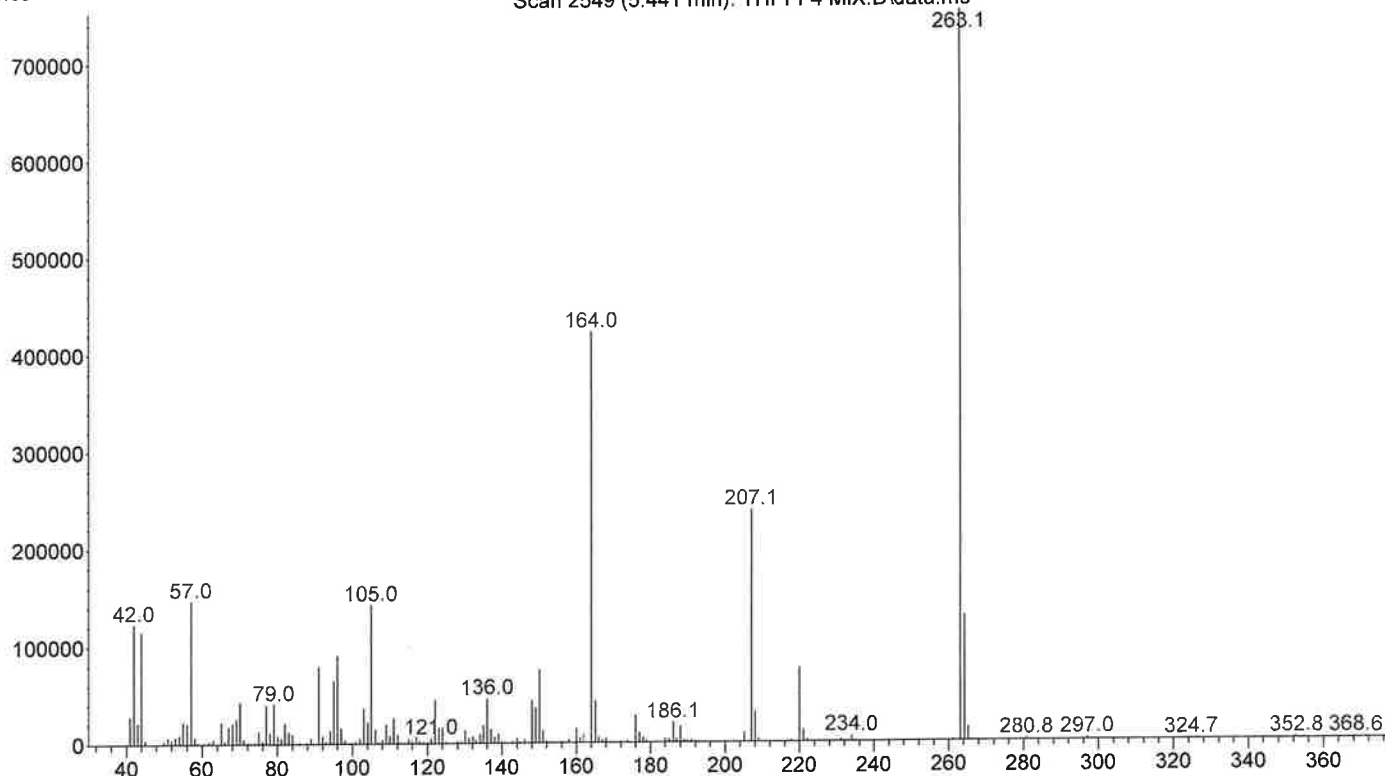
Abundance

TIC: THPFF4 MIX.D\data.ms



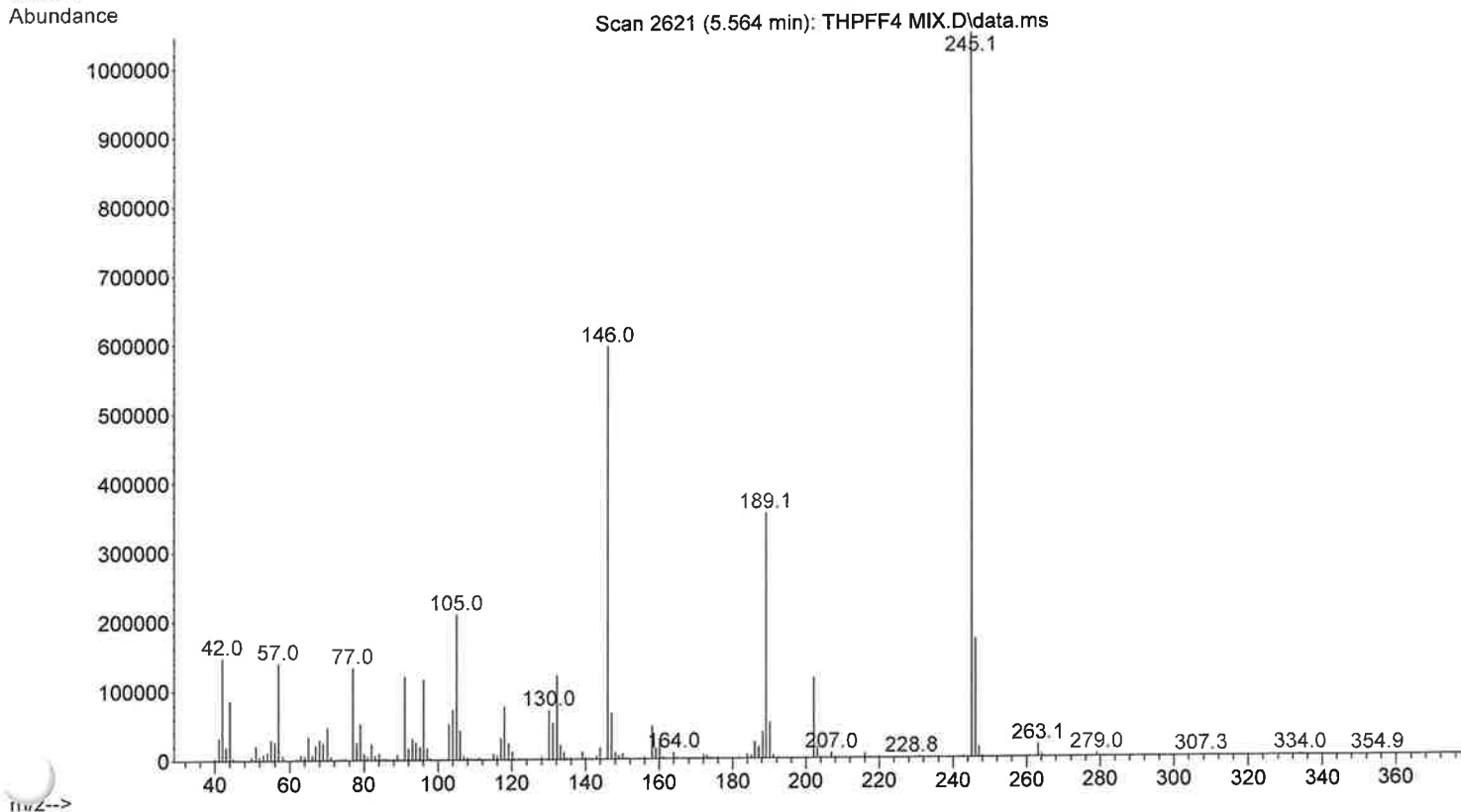
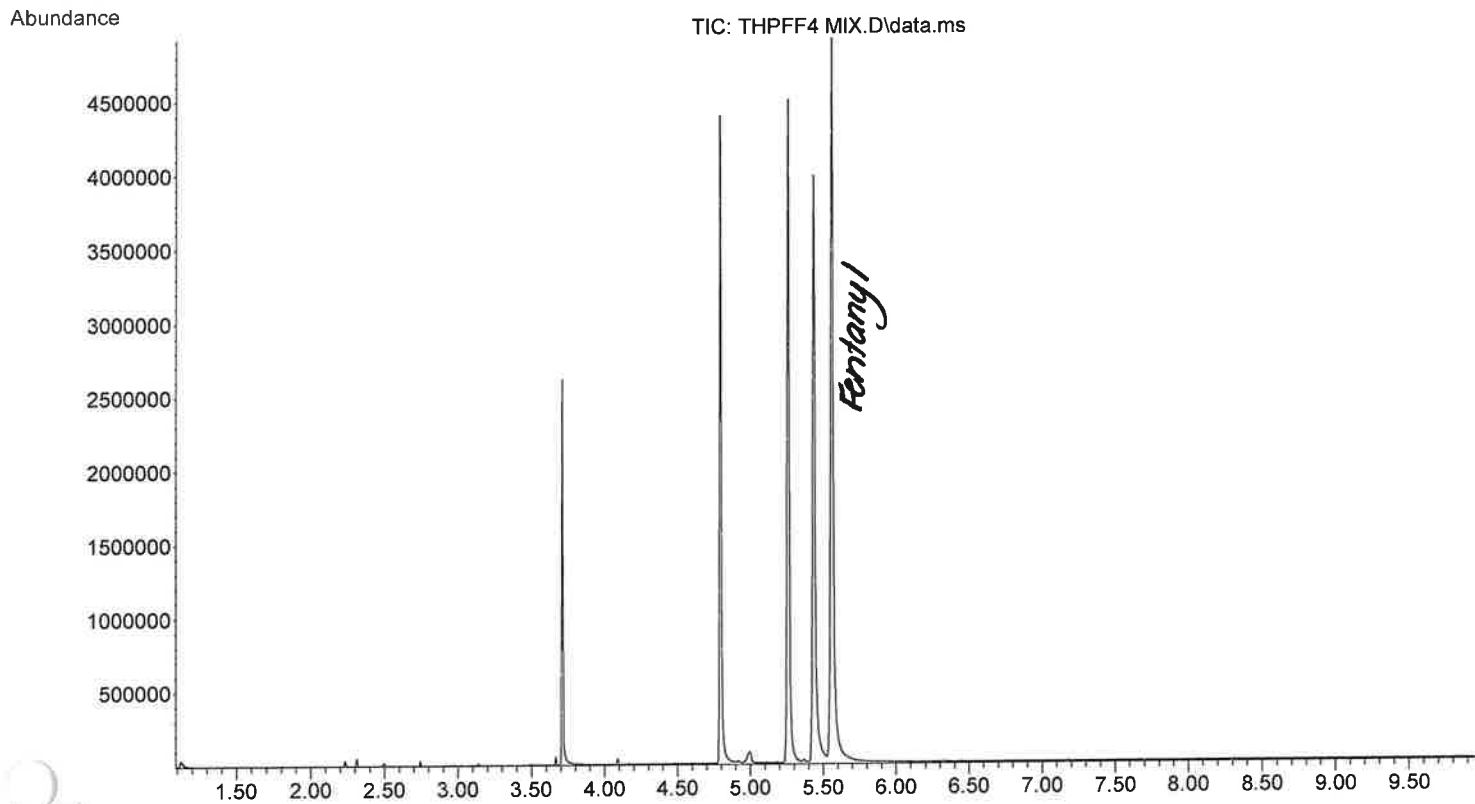
Abundance

Scan 2549 (5.441 min): THPFF4 MIX.D\data.ms



ak

File :X:\2023\IB\04-18-23\THPFF4 MIX.D
Operator : Isabella Barnett
Acquired : 18 Apr 2023 12:37 using AcqMethod MSDRUGS100.M
Instrument : Stringbean
Sample Name: THPFF4 MIX
Misc Info : MEOH, Exp. 03-22-24
Vial Number: 0



METHOD CONTROL PARAMETERS

Method Information for: D:\MassHunter\GCMS\1\methods\MSDRUGS200.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:

This is a manual injection MS 200-280 / 10 minute method.

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	D:\MassHunter\GCMS\1\methods\MSDRUGS200.M
Tune file	ATUNE.U
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.0
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		150,6,250 [N=0]

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	40	550

Self-Cleaning Ion Source Parameters

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

D:\MassHunter\GCMS\1\methods\MSDRUGS200.M
Tue Apr 04 08:10:43 2023

Control Information

Sample Inlet : GC
Injection Source : Manual
Mass Spectrometer : Enabled

No Sample Prep method has been assigned to this method.

GC
GC Summary
Run Time 10.003 min
Post Run Time 0 min

Oven
Temperature
Setpoint On
(Initial) 200 °C
Hold Time 1 min
Post Run 50 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 7.86 min

Equilibration Time 0.25 min
Max Temperature 350 °C
Minimum Temperature Override Disabled
Flow Fan Disabled

ALS
Front 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 0
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 1 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.5 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	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 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	
Helium Conservation Controlled	Off
Mode	Split
Heater	On 250 °C
Pressure	On 13.5 psi
Total Flow	On 44.838 mL/min
Septum Purge Flow	On 3 mL/min
Pre-Run Flow Test	Off
Gas Saver	On 20 mL/min after 3 min
Split Ratio	50 :1
Split Flow	41.017 mL/min
Liner	A Liner has not been selected.
Back SS Inlet He	
Helium Conservation Controlled	Off
Mode	Split
Heater	On 250 °C
Pressure	On 13.5 psi
Total Flow	On 170.58 mL/min
Septum Purge Flow	On 3 mL/min
Pre-Run Flow Test	Off
Gas Saver	Off
Split Ratio	50 :1
Split Flow	164.3 mL/min
Liner	A Liner has not been selected.
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	0.82034 mL/min
Post Run	1 mL/min

Column Information	Agilent 19091S-602
Description	HP-1MS
Temperature Range	-60 °C-325 °C (350 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm (Calibrated)
Heater	Oven
Column lock	Unlocked
	Front SS Inlet He
	MSD
(Initial)	200 °C
Pressure	13.5 psi
Flow	0.82034 mL/min
Average Velocity	54.354 cm/sec
Holdup Time	0.38329 min
Control Mode	Constant Flow

Column #2	
Pressure	
Setpoint	On
(Initial)	13.5 psi
Post Run	2.8778 psi

Column Information	Agilent 19091S-913
Temperature Range	-60 °C-325 °C (350 °C)
Dimensions	15 m x 320 µm x 0.25 µm (Calibrated)
Heater	Oven
Column lock	Unlocked
In	Back SS Inlet He
Out	Back Detector FID
(Initial)	200 °C
Pressure	13.5 psi
Flow	3.2859 mL/min
Average Velocity	71.909 cm/sec
Holdup Time	0.34766 min
Control Mode	Constant Pressure

Column Outlet Pressure	0 psi
------------------------	-------

Back Detector FID	
Makeup	He
Heater	On 300 °C
H2 Flow	Off
Air Flow	Off
Makeup Flow	Off
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	Off
Blank Evaluation Setpoints	
Perform Blank Evaluation Test	Off

Helium Conservation	
Helium Valve	Off
Nitrogen Valve	Off

Detector Evaluation	
Perform Detector Evaluation Test	Off

MSD Transfer Line	
Temperature	
Setpoint	On
(Initial)	280 °C

Signals	
Signal #1:	
Description	None

Signal #2:	
Description	None
Signal #3:	
Description	None
Signal #4:	
Description	None
Signal #5:	
Description	None
Signal #6:	
Description	None
Signal #7:	
Description	None
Signal #8:	
Description	None

TUNE PARAMETERS for SN: US2246MS10

Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
29.720	:	REPELLER	
90.331	:	IONFOCUS	
20.181	:	ENTRANCE LENS	
883.721	:	EMVOLTS	
		913.2	: Actual EMV
		1.00	: GAIN FACTOR
3335.000	:	AMUGAIN	
132.750	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
13.233	:	ENTLENSOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
421.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

DATA ANALYSIS PARAMETERS

Method Name: D:\MassHunter\GCMS\1\methods\MSDRUGS200.M

Percent Report Settings

Sort By: Signal

Output Destination

Screen: No
Printer: Yes
File: No

Integration Events: AutoIntegrate

Generate Report During Run Method: No

Signal Correlation Window: 0.020

Qualitative Report Settings

Peak Location of Unknown: Apex

Library to Search	Minimum Quality
Q:\Instrument Libraries\Current\TBI_DRUG.L	0
Q:\Instrument Libraries\Current\SWGDRUG 3.12.L	0
Q:\Instrument Libraries\Current\CaymanSpectralLibrary.L	

Integration Events: AutoIntegrate

Report Type: Summary

Output Destination

Screen: No
Printer: Yes
File: No

Generate Report During Run Method: No

Quantitative Report Settings

Report Type: Summary

Output Destination

Screen: Yes

Printer: No

File: No

Generate Report During Run Method: No

Calibration Last Updated:

Reference Window: 10.00 Percent

Non-Reference Window: 5.00 Percent

Correlation Window: 0.02 minutes

Default Multiplier: 1.00

Default Sample Concentration: 0.00

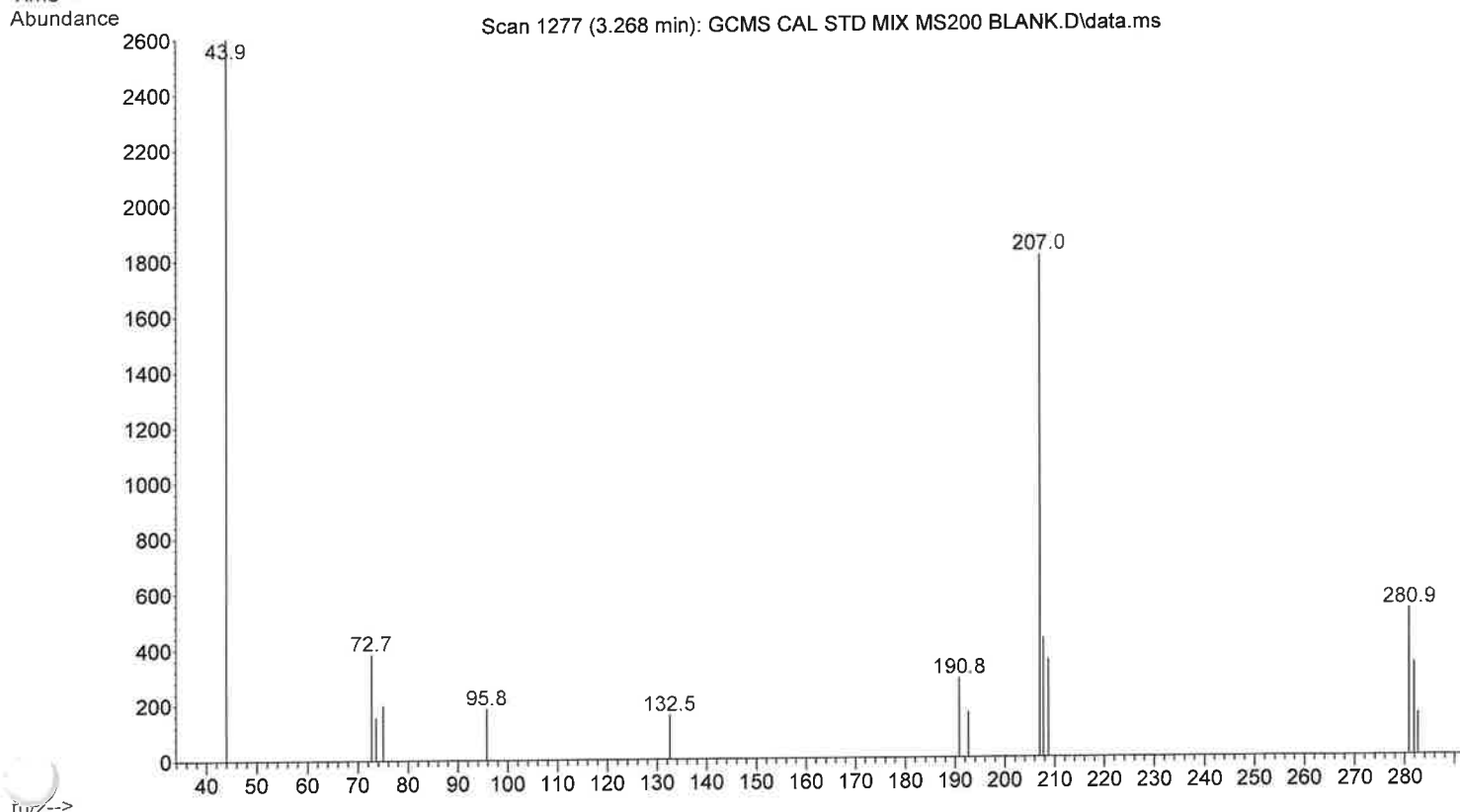
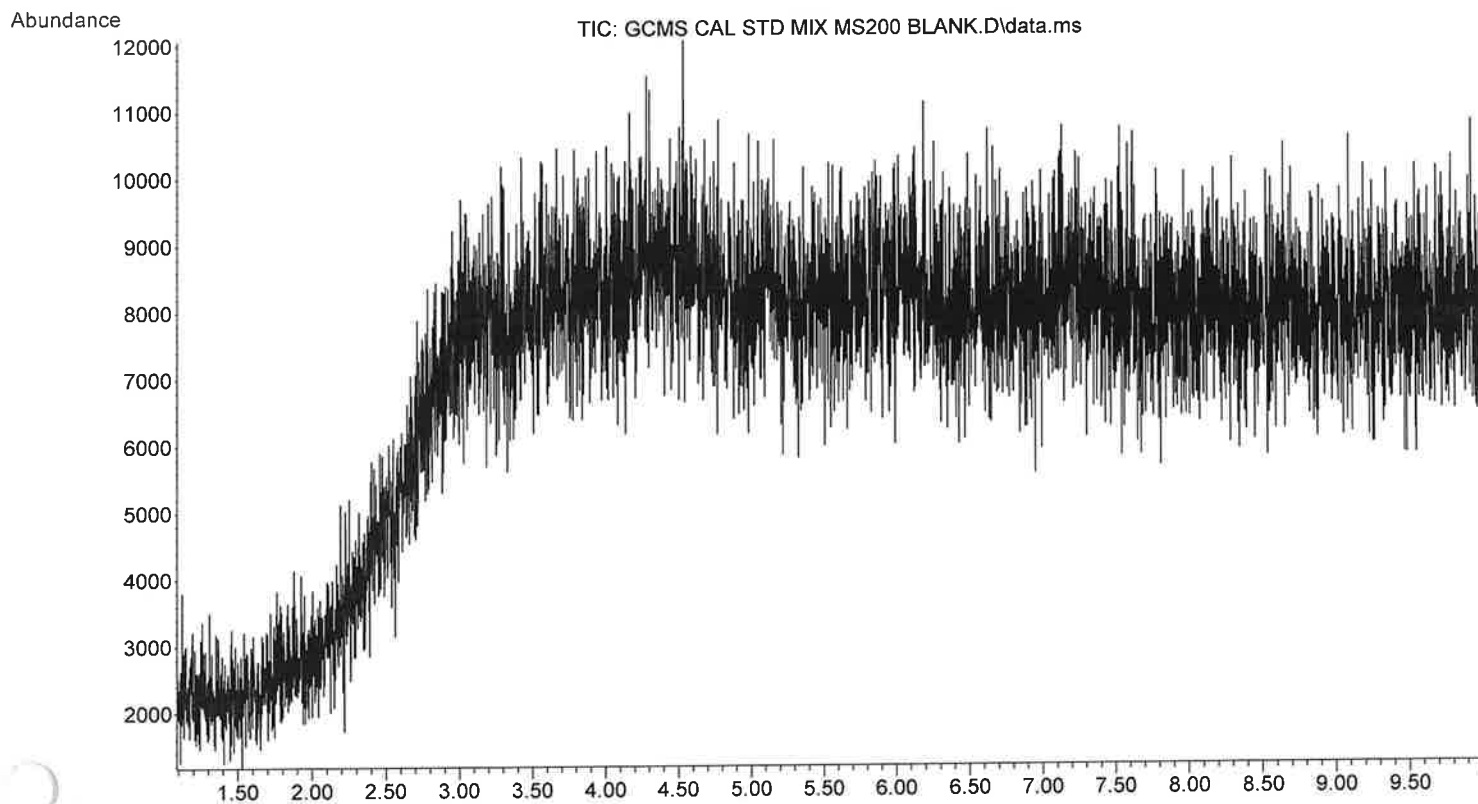
Compound Information

*** Empty Quantitation Database ***

END OF DATA ANALYSIS PARAMETERS

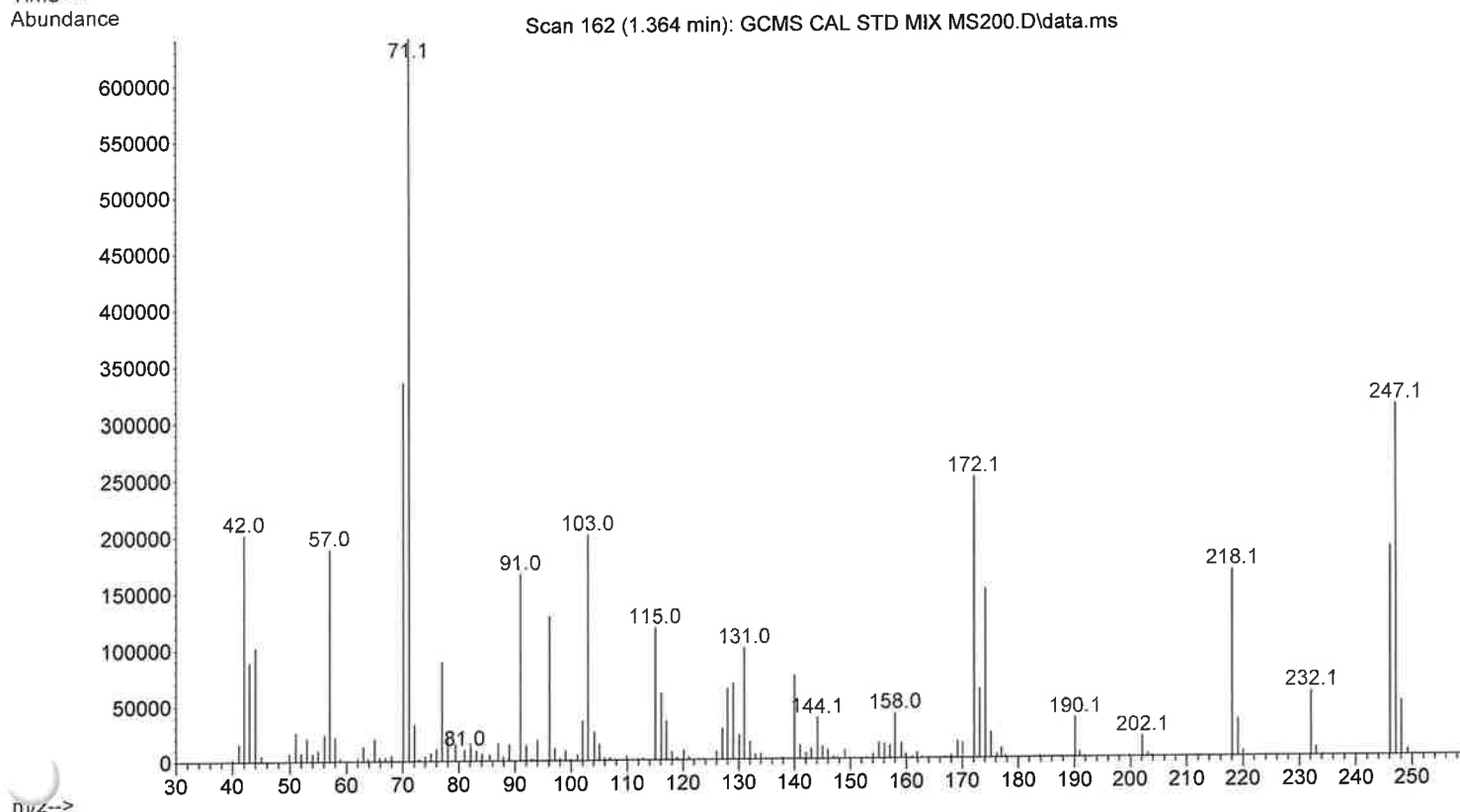
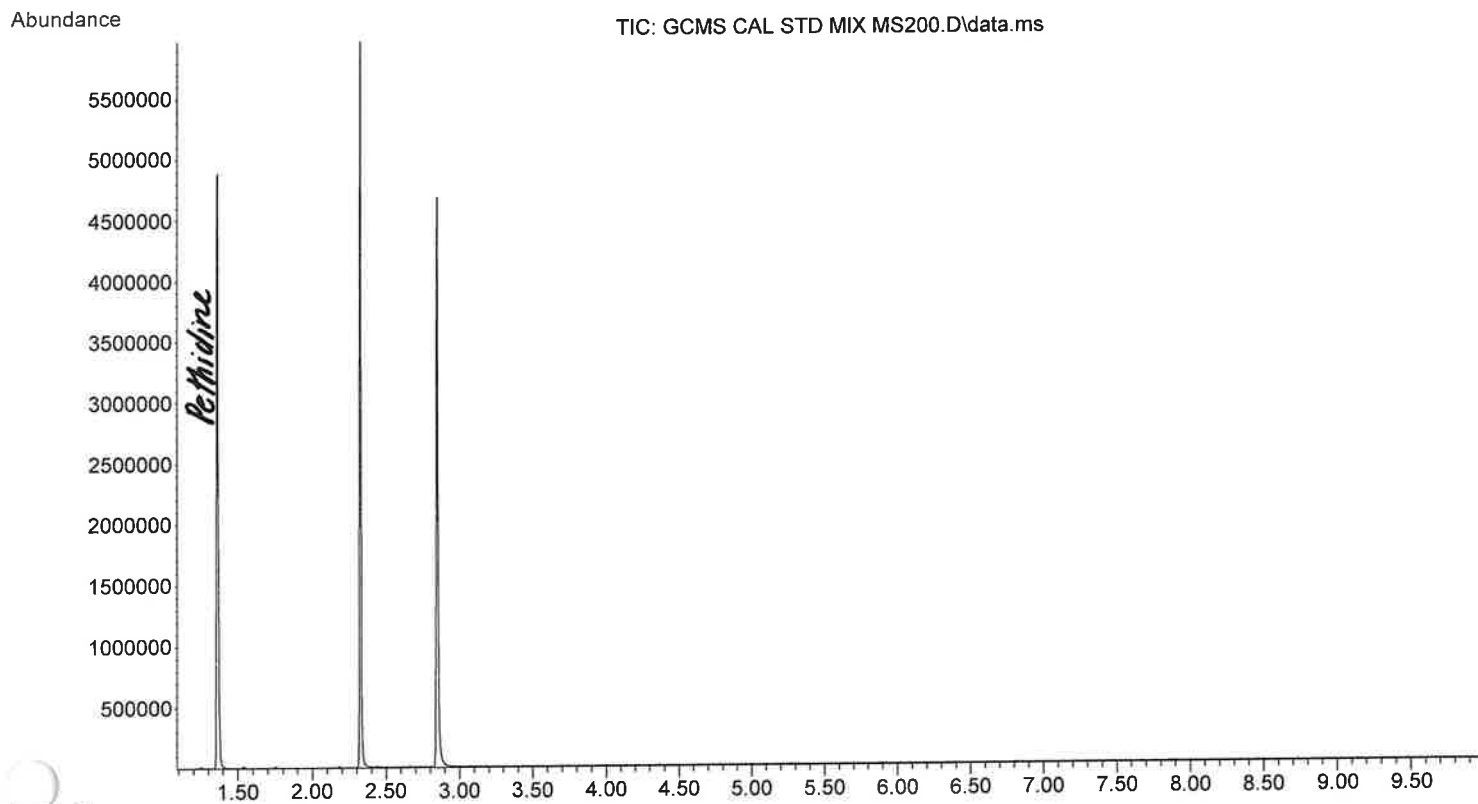
Tue Apr 04 08:10:44 2023

File :X:\2023\IB\04-18-23\GCMS CAL STD MIX MS200 BLANK.D
Operator : Isabella Barnett
Acquired : 18 Apr 2023 13:29 using AcqMethod MSDRUGS200.M
Instrument : Stringbean
Sample Name: GCMS CAL STD MIX MS200 BLANK
Misc Info : MEOH
Vial Number: 0



File :X:\2023\IB\04-18-23\GCMS CAL STD MIX MS200.D
Operator : Isabella Barnett
Acquired : 18 Apr 2023 13:42 using AcqMethod MSDRUGS200.M
Instrument : Stringbean
Sample Name: GCMS CAL STD MIX MS200
Misc Info : MEOH, Exp. 03-20-24
Vial Number: 0

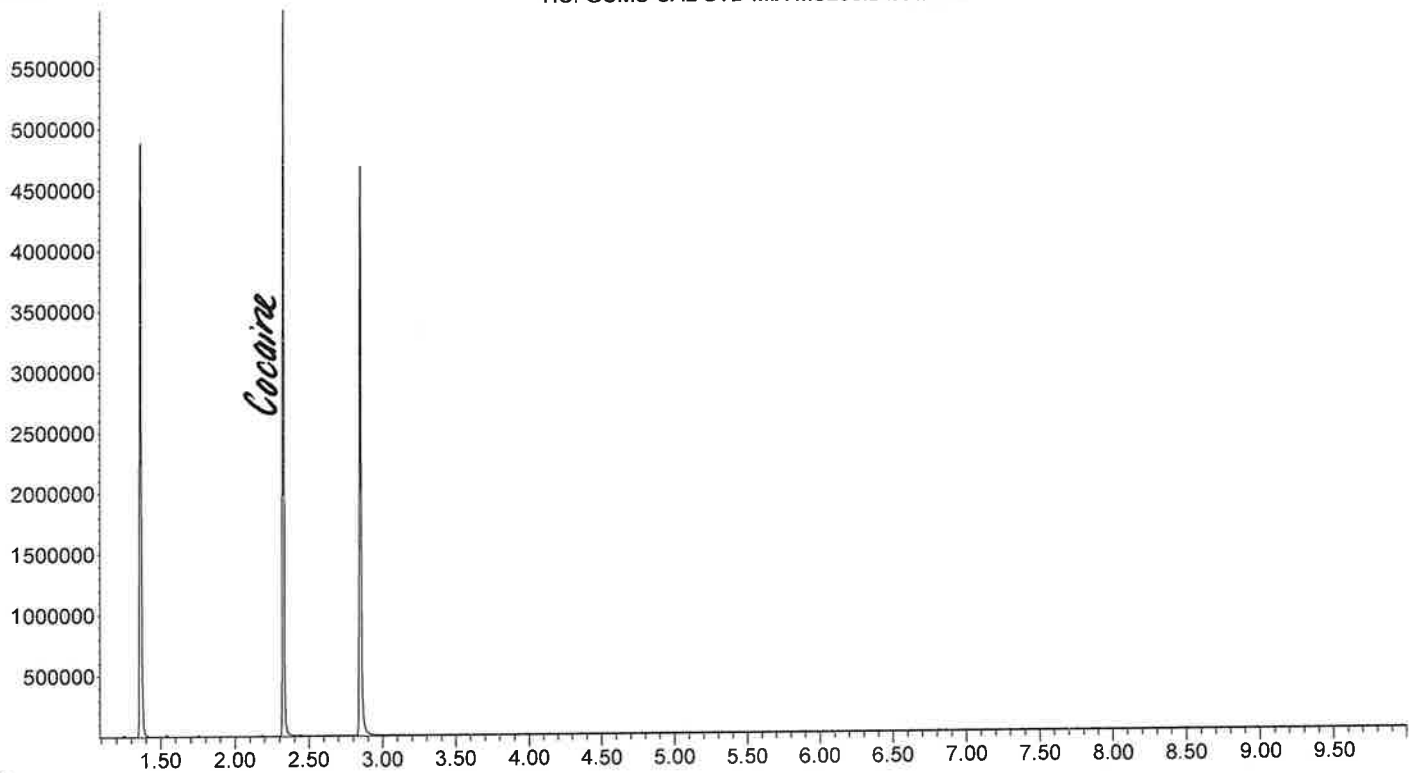
all



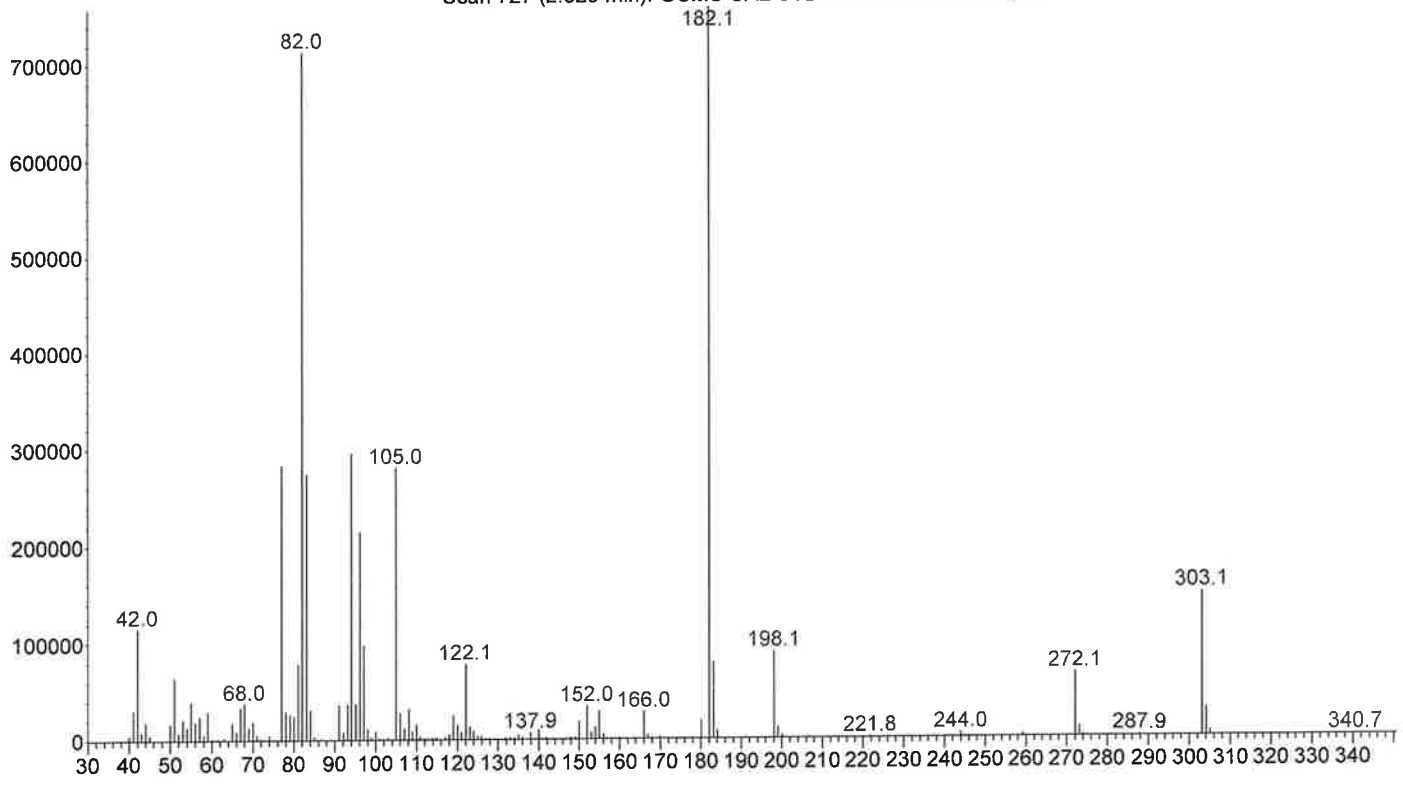
File :X:\2023\IB\04-18-23\GCMS CAL STD MIX MS200.D
Operator : Isabella Barnett
Acquired : 18 Apr 2023 13:42 using AcqMethod MSDRUGS200.M
Instrument : Stringbean
Sample Name: GCMS CAL STD MIX MS200
Misc Info : MEOH, Exp. 03-20-24
Vial Number: 0

Abundance

TIC: GCMS CAL STD MIX MS200.D\data.ms



Scan 727 (2.329 min): GCMS CAL STD MIX MS200.D\data.ms

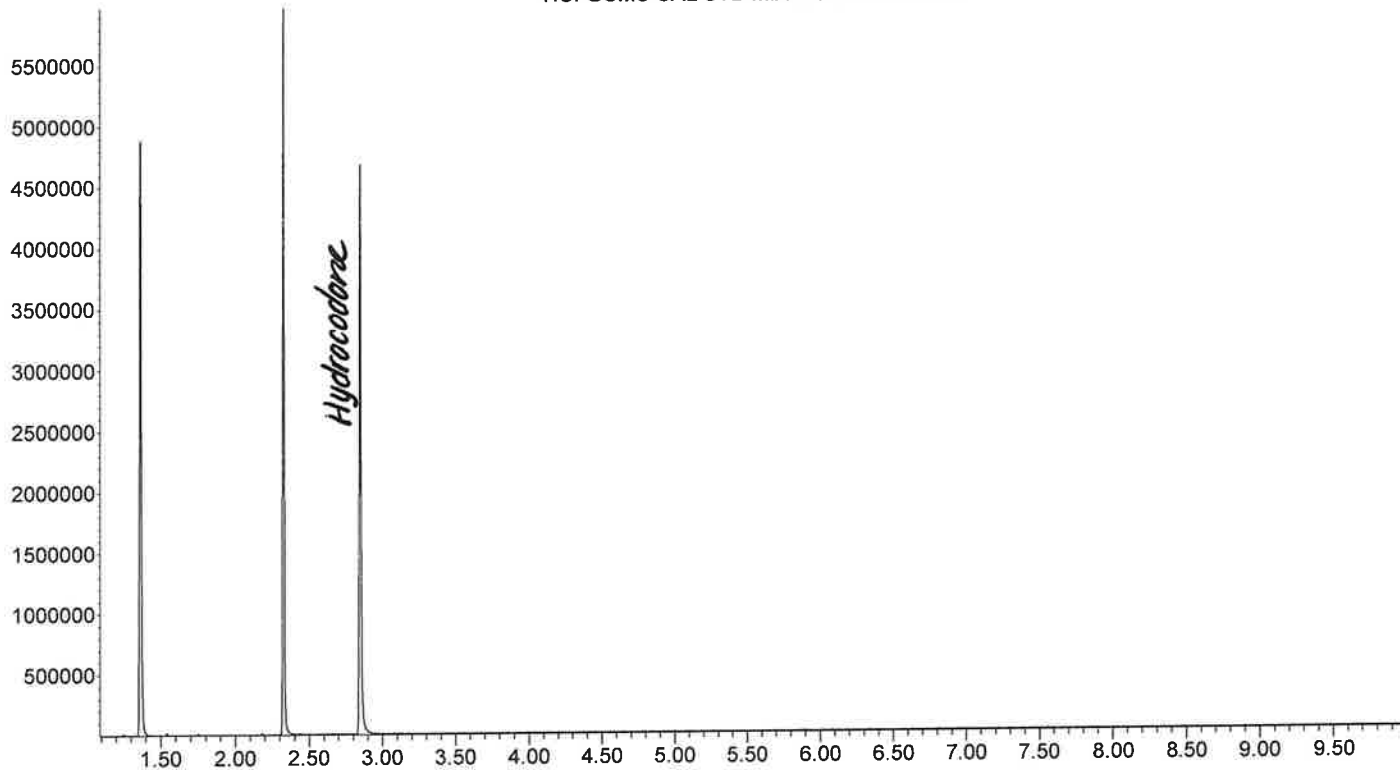


File :X:\2023\IB\04-18-23\GCMS CAL STD MIX MS200.D
Operator : Isabella Barnett
Acquired : 18 Apr 2023 13:42 using AcqMethod MSDRUGS200.M
Instrument : Stringbean
Sample Name: GCMS CAL STD MIX MS200
Misc Info : MEOH, Exp. 03-20-24
Vial Number: 0

9/12

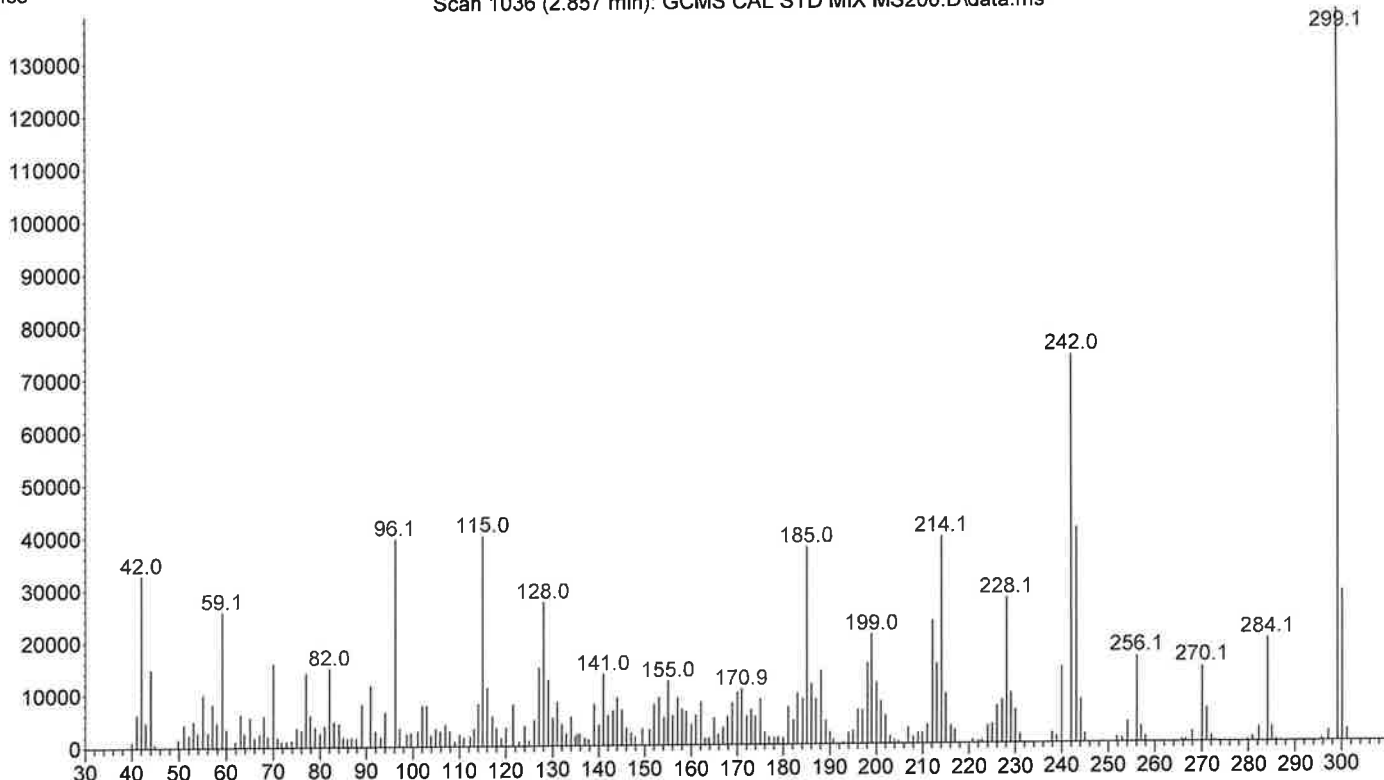
Abundance

TIC: GCMS CAL STD MIX MS200.D\data.ms



Abundance

Scan 1036 (2.857 min): GCMS CAL STD MIX MS200.D\data.ms

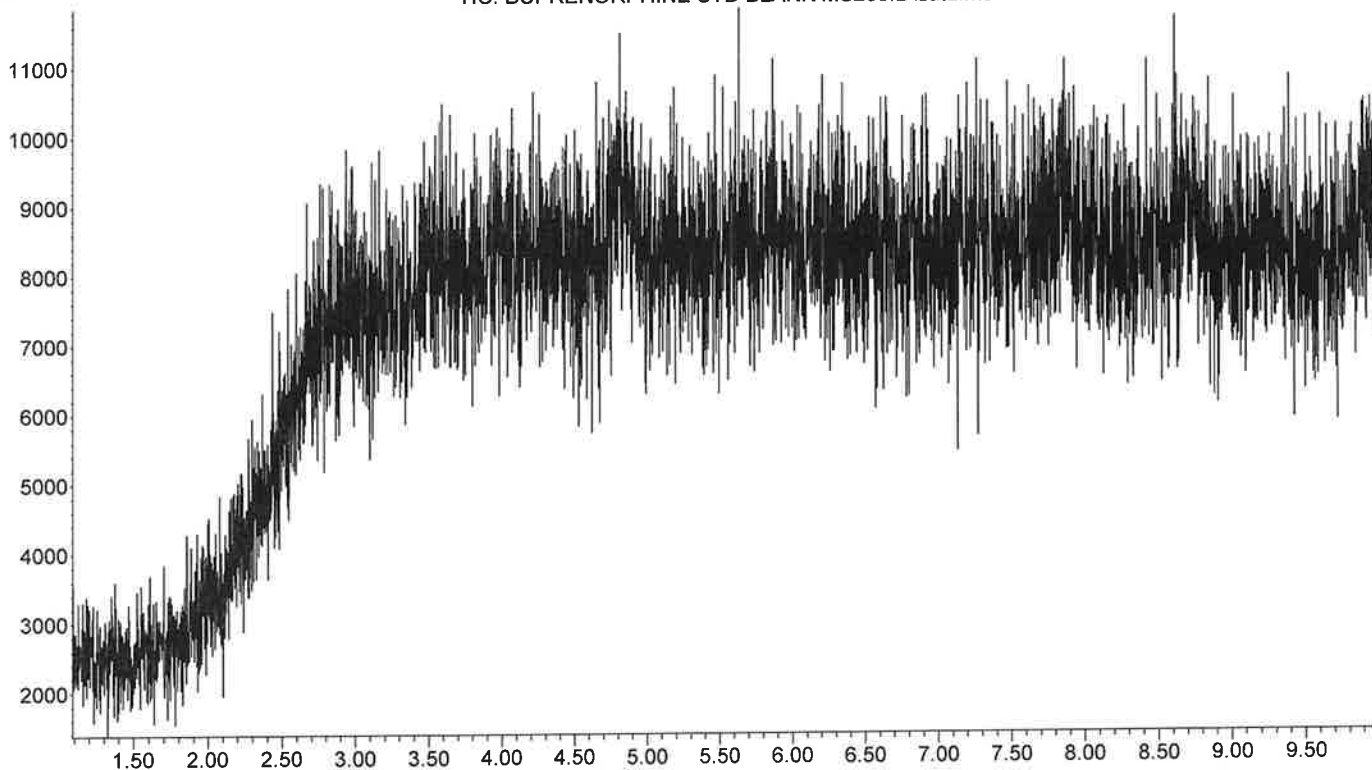


File :X:\2023\IB\04-18-23\BUPRENORPHINE STD BLANK MS200.D
Operator : Isabella Barnett
Acquired : 18 Apr 2023 13:54 using AcqMethod MSDRUGS200.M
Instrument : Stringbean
Sample Name: BUPRENORPHINE STD BLANK MS200
Misc Info : MEOH
Vi: umber: 0

Handwritten signature

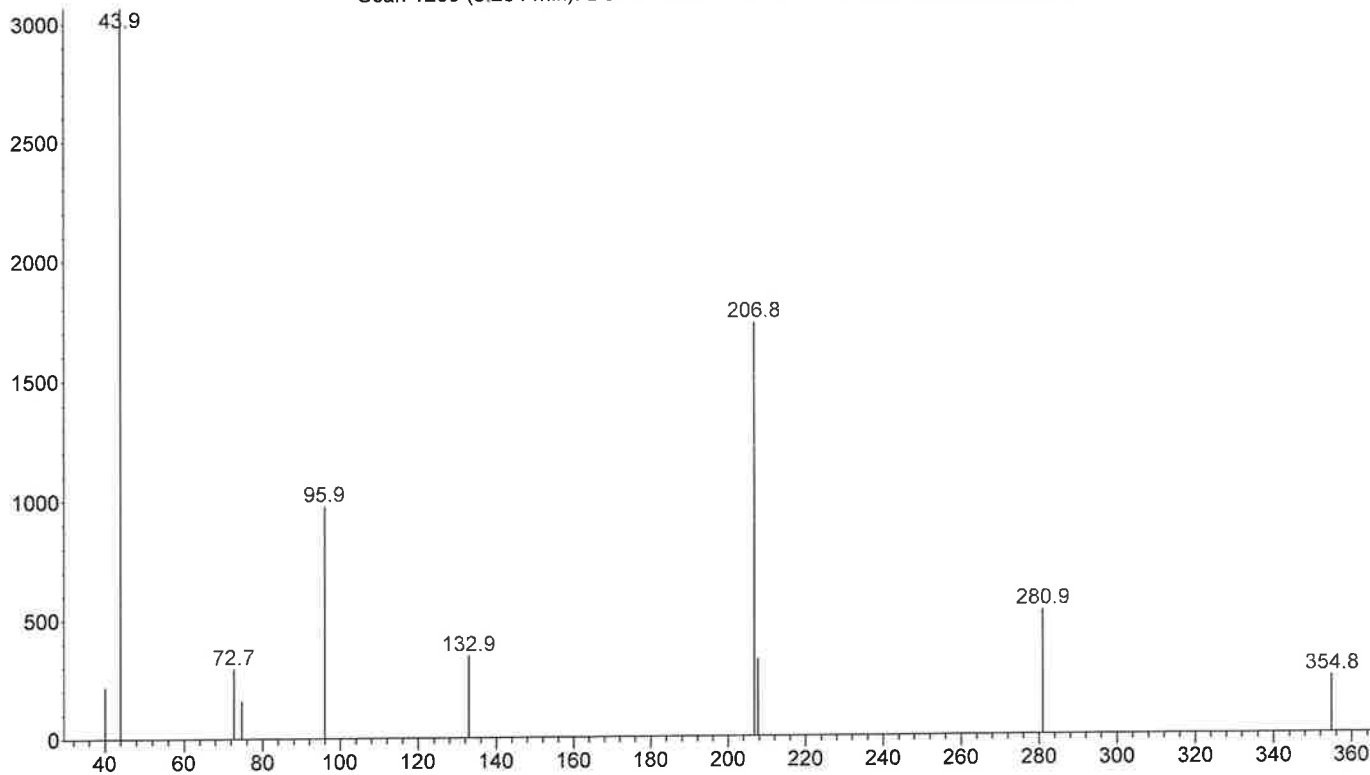
Abundance

TIC: BUPRENORPHINE STD BLANK MS200.D\data.ms



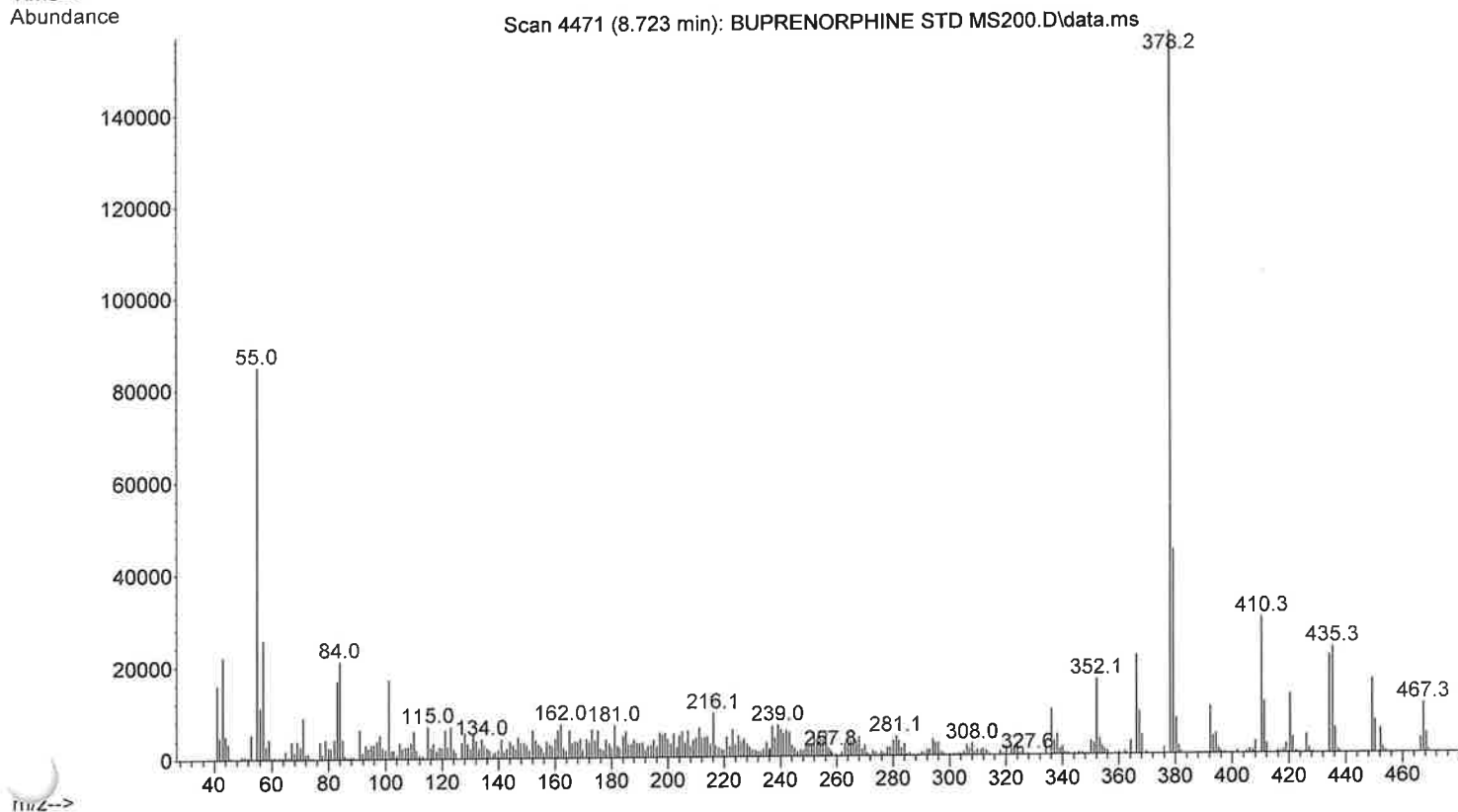
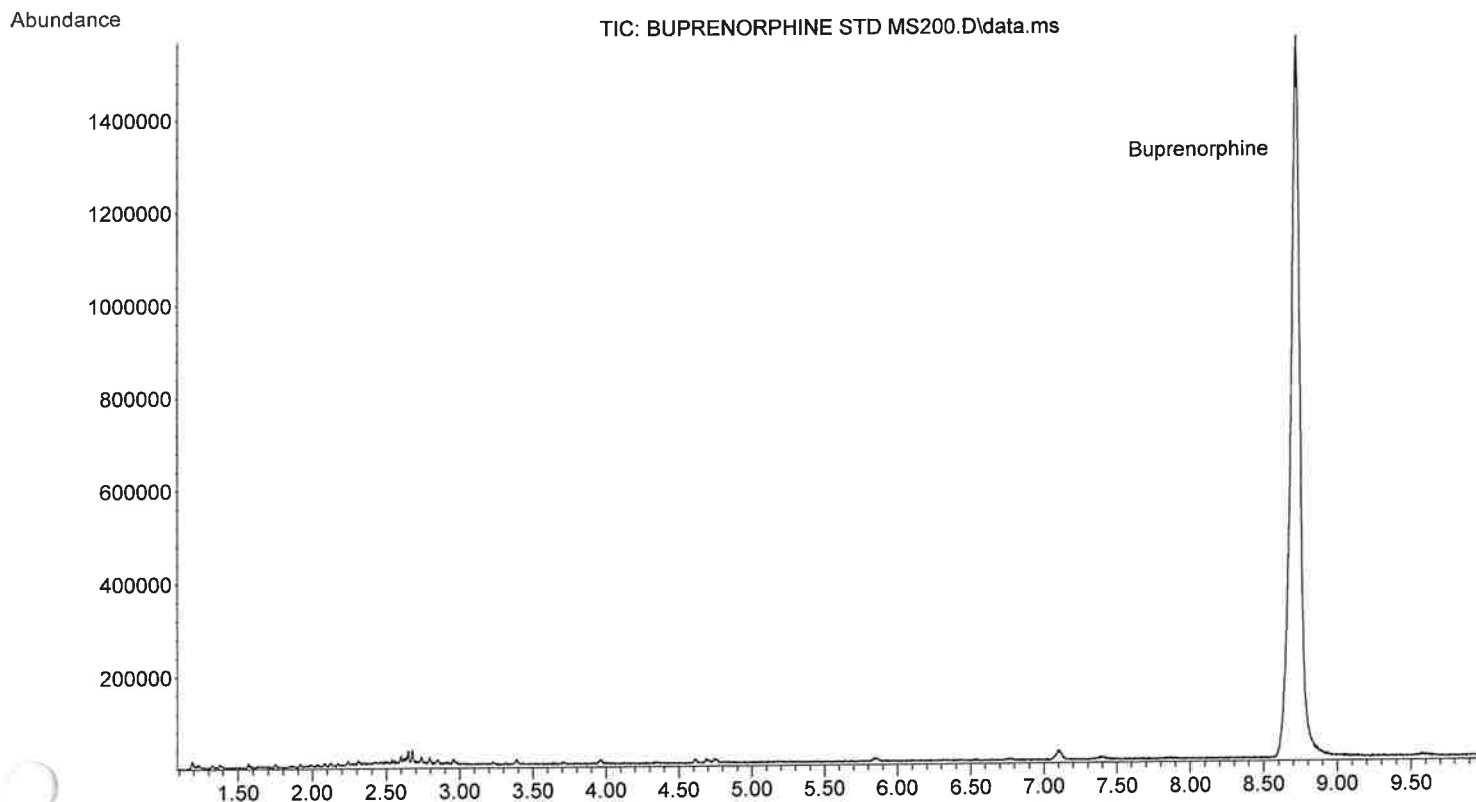
Abundance

Scan 1269 (3.254 min): BUPRENORPHINE STD BLANK MS200.D\data.ms



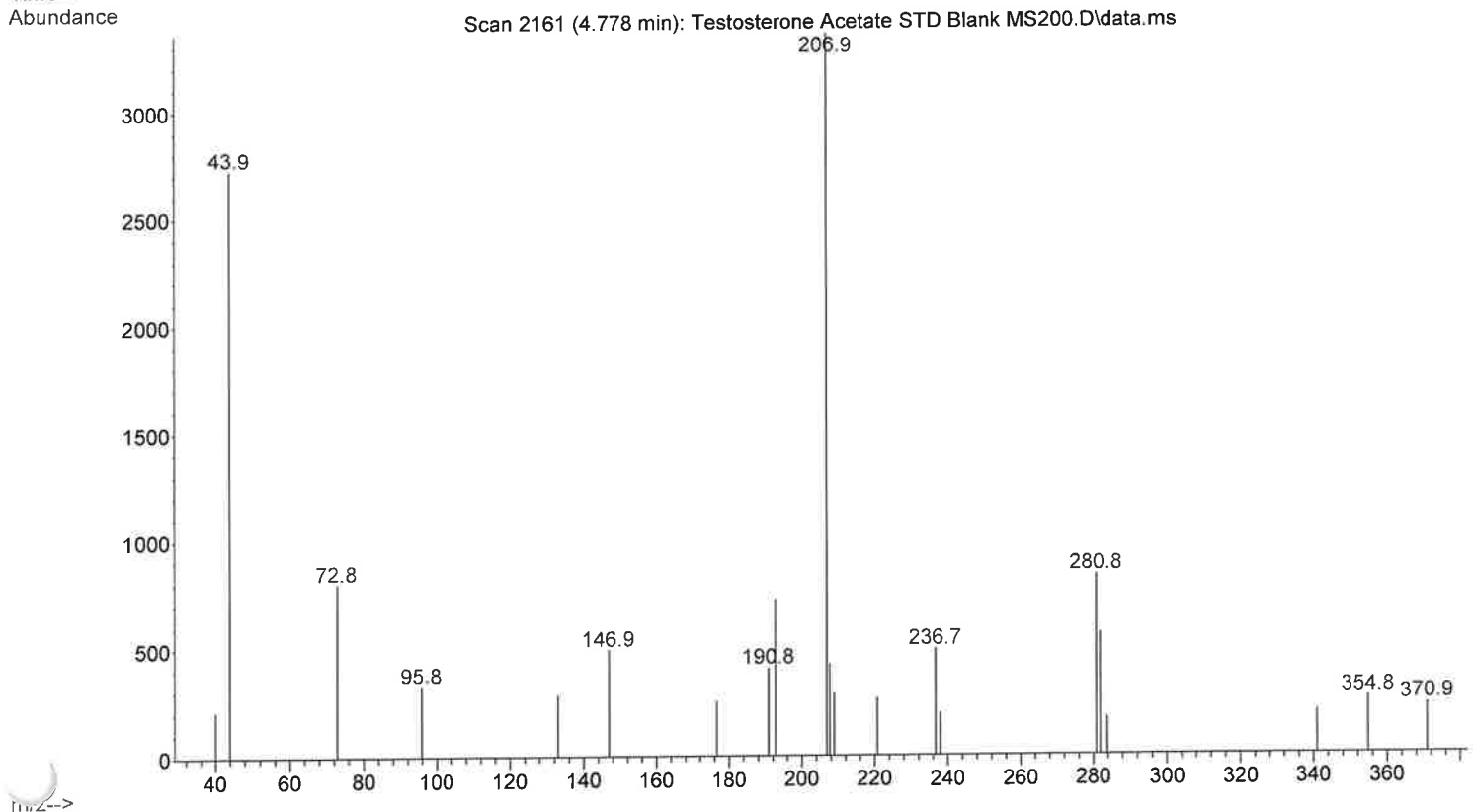
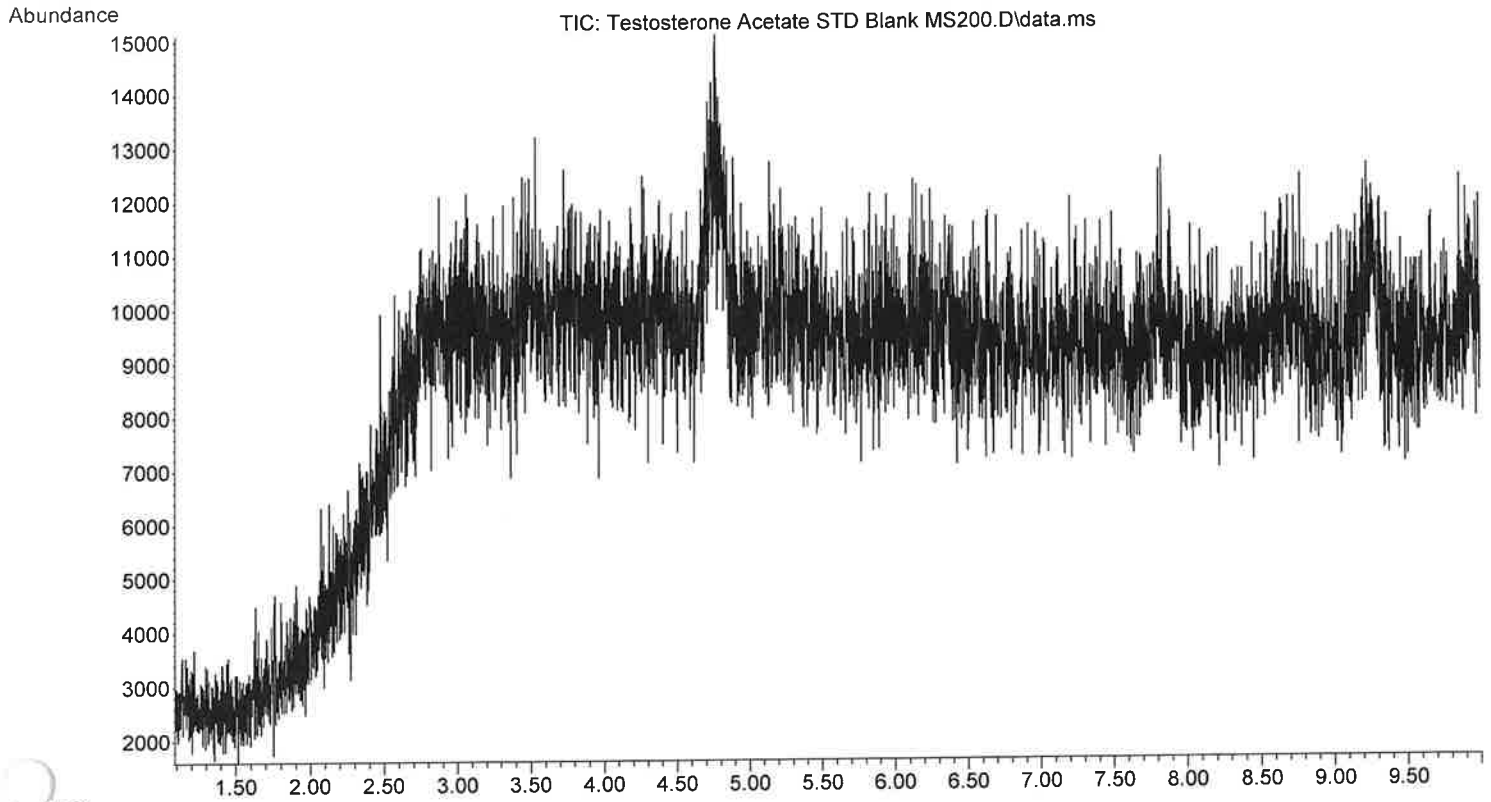
File :X:\2023\IB\04-18-23\BUPRENORPHINE STD MS200.D
Operator : Isabella Barnett
Acquired : 18 Apr 2023 14:07 using AcqMethod MSDRUGS200.M
Instrument : Stringbean
Sample Name: BUPRENORPHINE STD MS200
Misc Info : MEOH,Cerilliant,LotFE03191903,Exp.06/24
Vial Number: 0

Alb



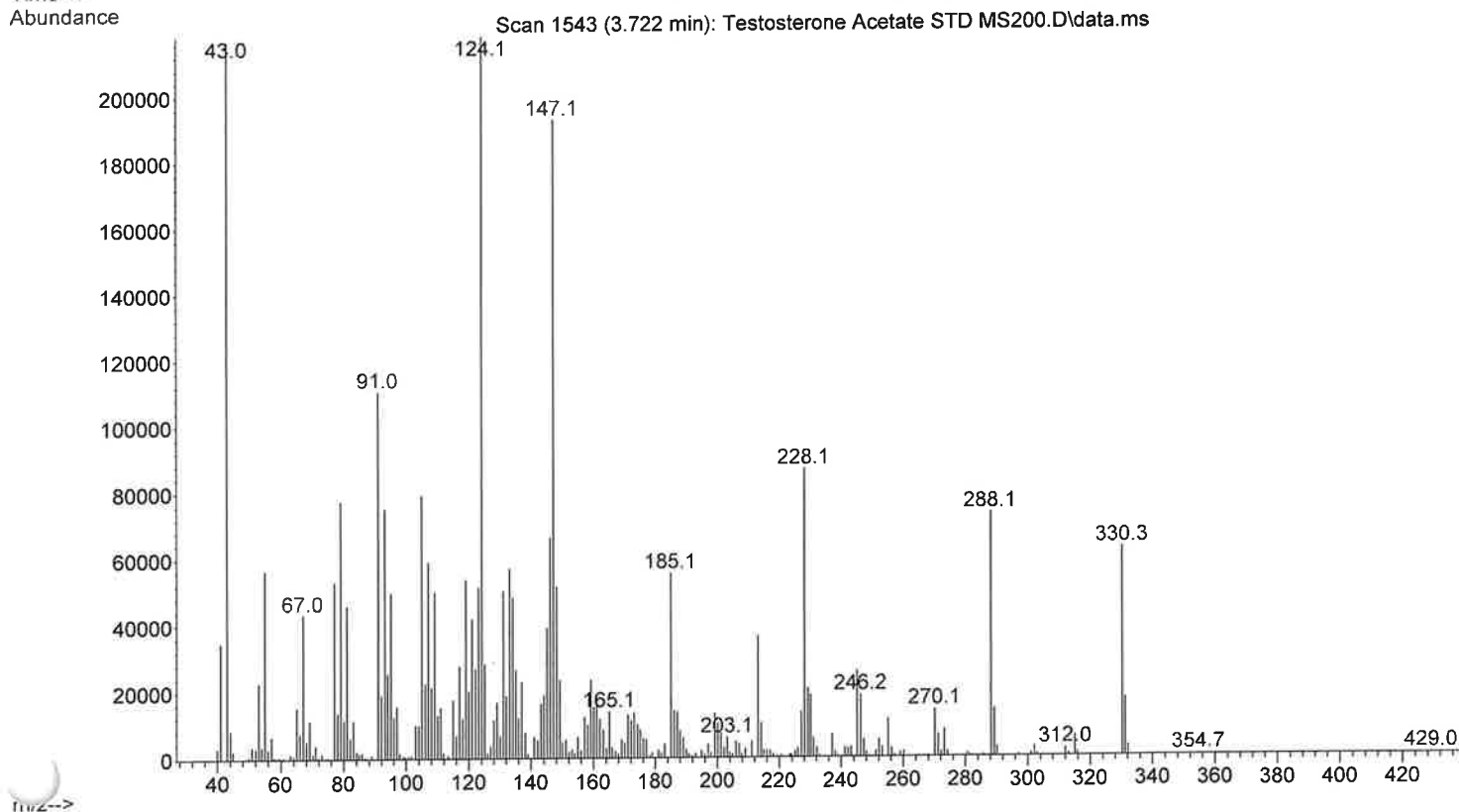
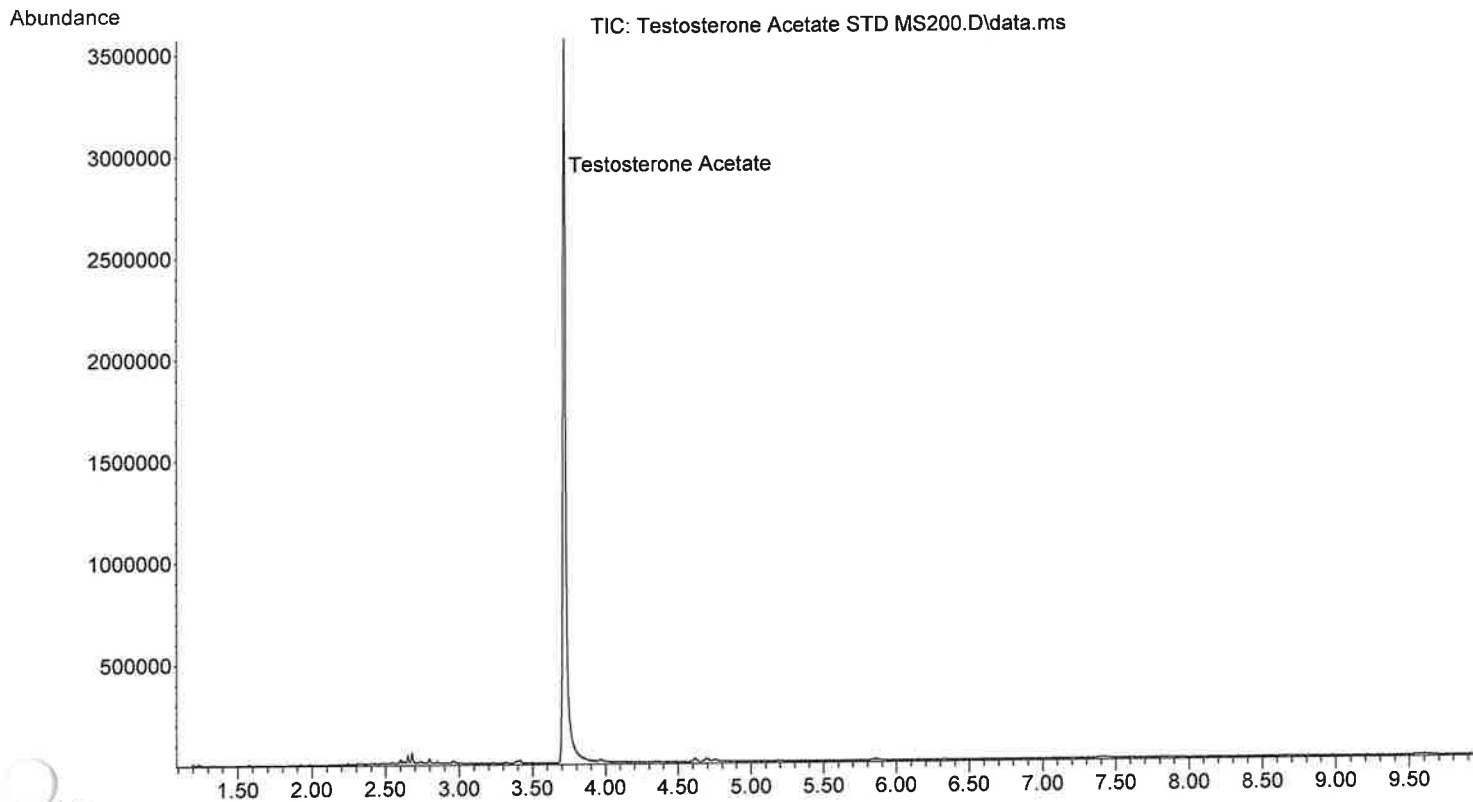
File :X:\2023\IB\04-18-23\Testosterone Acetate STD Blank MS200.D
Operator : Isabella Barnett
Acquired : 18 Apr 2023 14:25 using AcqMethod MSDRUGS200.M
Instrument : Stringbean
Sample Name: Testosterone Acetate STD Blank MS200
Misc Info : MEOH
Vi: umber: 0

alb



File :X:\2023\IB\04-18-23\Testosterone Acetate STD MS200.D
Operator : Isabella Barnett
Acquired : 18 Apr 2023 14:38 using AcqMethod MSDRUGS200.M
Instrument : Stringbean
Sample Name: Testosterone Acetate STD MS200
Misc Info : MEOH, Sigma, Lot19F0299, Exp.02-06-24
Vial Number: 0

AB



METHOD CONTROL PARAMETERS

Method Information for: D:\MassHunter\GCMS\1\methods\MSDRUGS60.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:

This is a manual injection MS 60-280 / 10 minute method.

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	D:\MassHunter\GCMS\1\methods\MSDRUGS60.M
Tune file	ATUNE.U
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.0
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 6,250 [N=0]

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	40	550

Self-Cleaning Ion Source Parameters

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

D:\MassHunter\GCMS\1\methods\MSDRUGS60.M
Tue Apr 04 09:02:03 2023

Control Information

Sample Inlet : GC
Injection Source : Manual
Mass Spectrometer : Enabled

No Sample Prep method has been assigned to this method.

GC
GC Summary
Run Time 10.003 min
Post Run Time 0 min

Oven
Temperature
Setpoint On
(Initial) 60 °C
Hold Time 1 min
Post Run 50 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 5.86 min

Equilibration Time 0.25 min
Max Temperature 350 °C
Minimum Temperature Override Disabled
Fan Disabled

ALS
Front 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 0
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 1 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.5 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	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 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	
Helium Conservation Controlled	Off
Mode	Split
Heater	On 250 °C
Pressure	On 6.5 psi
Total Flow	On 45.625 mL/min
Septum Purge Flow	On 3 mL/min
Pre-Run Flow Test	Off
Gas Saver	On 20 mL/min after 3 min
Split Ratio	50 :1
Split Flow	41.789 mL/min
Liner	A Liner has not been selected.
Back SS Inlet He	
Helium Conservation Controlled	Off
Mode	Split
Heater	On 250 °C
Pressure	On 8.5 psi
Total Flow	On 171.05 mL/min
Septum Purge Flow	On 3 mL/min
Pre-Run Flow Test	Off
Gas Saver	Off
Split Ratio	50 :1
Split Flow	164.76 mL/min
Liner	A Liner has not been selected.
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	0.83578 mL/min
Post Run	1 mL/min

Column Information	Agilent 19091S-602
Description	HP-1MS
Temperature Range	-60 °C-325 °C (350 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm (Calibrated)
Heater	Oven
Column lock	Unlocked
	Front SS Inlet He
	MSD
(Initial)	60 °C
Pressure	6.5 psi
Flow	0.83578 mL/min
Average Velocity	51.868 cm/sec
Holdup Time	0.40166 min
Control Mode	Constant Flow

Column #2	
Pressure	On
Setpoint	8.5 psi
(Initial)	2.8778 psi
Post Run	

Column Information	Agilent 19091S-913
Temperature Range	-60 °C-325 °C (350 °C)
Dimensions	15 m x 320 µm x 0.25 µm (Calibrated)
Heater	Oven
Column lock	Unlocked
In	Back SS Inlet He
Out	Back Detector FID
(Initial)	60 °C
Pressure	8.5 psi
Flow	3.2952 mL/min
Average Velocity	58.392 cm/sec
Holdup Time	0.42814 min
Control Mode	Constant Pressure

Column Outlet Pressure	0 psi
------------------------	-------

Back Detector FID	
Makeup	He
Heater	On 300 °C
H2 Flow	Off
Air Flow	Off
Makeup Flow	Off
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	Off
Blank Evaluation Setpoints	
Perform Blank Evaluation Test	Off

Helium Conservation	
Helium Valve	Off
Nitrogen Valve	Off

Detector Evaluation	
Perform Detector Evaluation Test	Off

MSD Transfer Line	
Temperature	
Setpoint	On
(Initial)	280 °C

Signals	
Signal #1:	
Description	None

Signal #2:	
Description	None
Signal #3:	
Description	None
Signal #4:	
Description	None
Signal #5:	
Description	None
Signal #6:	
Description	None
Signal #7:	
Description	None
Signal #8:	
Description	None

TUNE PARAMETERS for SN: US2246MS10

Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
29.720	:	REPELLER	
90.331	:	IONFOCUS	
20.181	:	ENTRANCE_LENS	
83.721	:	EMVOLTS	
		913.2	: Actual EMV
		1.00	: GAIN FACTOR
3335.000	:	AMUGAIN	
132.750	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
13.233	:	ENTLENSOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
421.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

DATA ANALYSIS PARAMETERS

Method Name: D:\MassHunter\GCMS\1\methods\MSDRUGS60.M

Percent Report Settings

Sort By: Signal

Output Destination

Screen: No
Printer: Yes
File: No

Integration Events: AutoIntegrate

Generate Report During Run Method: No

Signal Correlation Window: 0.020

Qualitative Report Settings

Peak Location of Unknown: Apex

Library to Search	Minimum Quality
Q:\Instrument Libraries\Current\TBI_DRUG.L	0
Q:\Instrument Libraries\Current\SWGDRUG 3.12.L	0
Q:\Instrument Libraries\Current\CaymanSpectralLibrary.L	

Integration Events: AutoIntegrate

Report Type: Summary

Output Destination

Screen: No
Printer: Yes
File: No

Generate Report During Run Method: No

Quantitative Report Settings

Report Type: Summary

Output Destination

Screen: Yes

Printer: No

File: No

Generate Report During Run Method: No

Calibration Last Updated:

Reference Window: 10.00 Percent

Non-Reference Window: 5.00 Percent

Correlation Window: 0.02 minutes

Default Multiplier: 1.00

Default Sample Concentration: 0.00

Compound Information

*** Empty Quantitation Database ***

END OF DATA ANALYSIS PARAMETERS

Tue Apr 04 09:02:04 2023

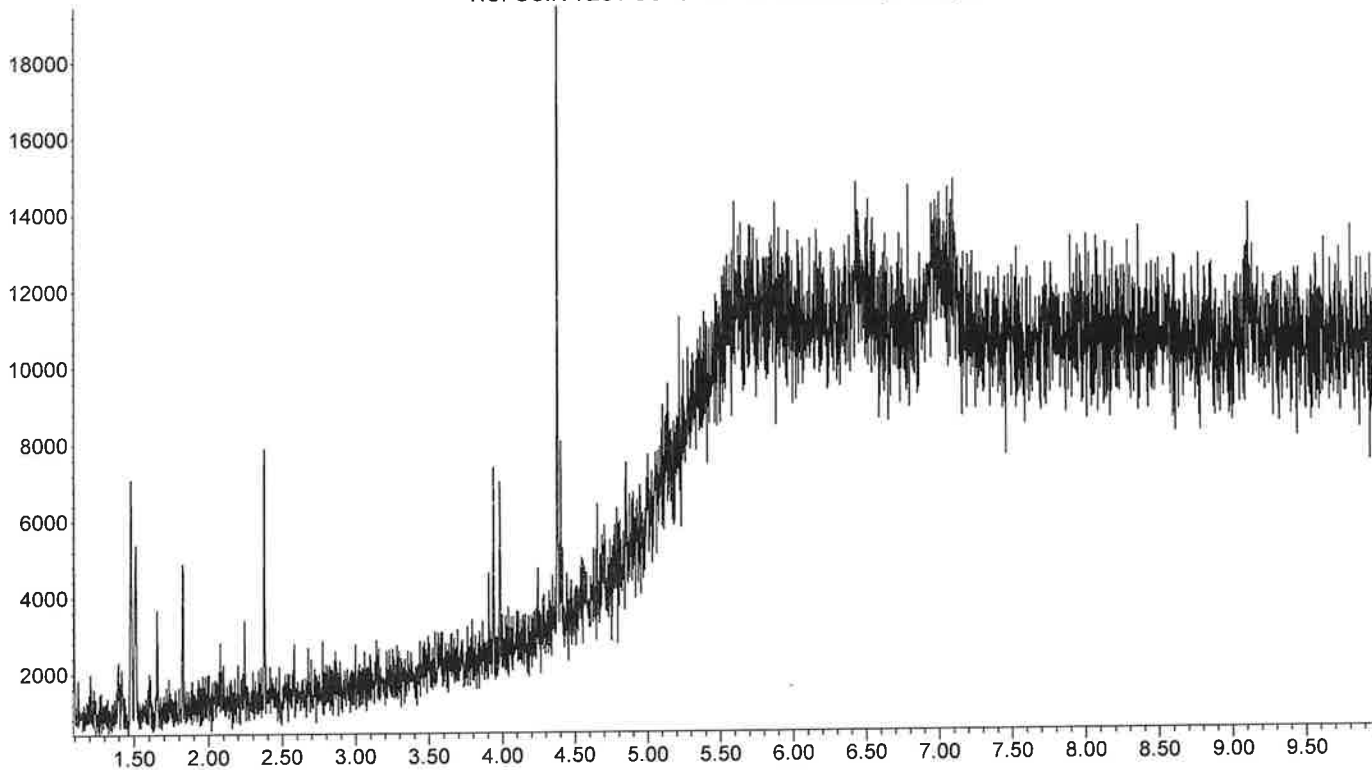
File :X:\2023\IB\04-20-23\GCIR TEST SOLUTION BLANK MS60.D
Operator : Isabella Barnett
Acquired : 20 Apr 2023 13:02 using AcqMethod MSDRUGS60.M
Instrument : Stringbean
Sample Name: GCIR TEST SOLUTION BLANK MS60
Misc Info : MEOH
Vial Number: 1

CB

NCSD

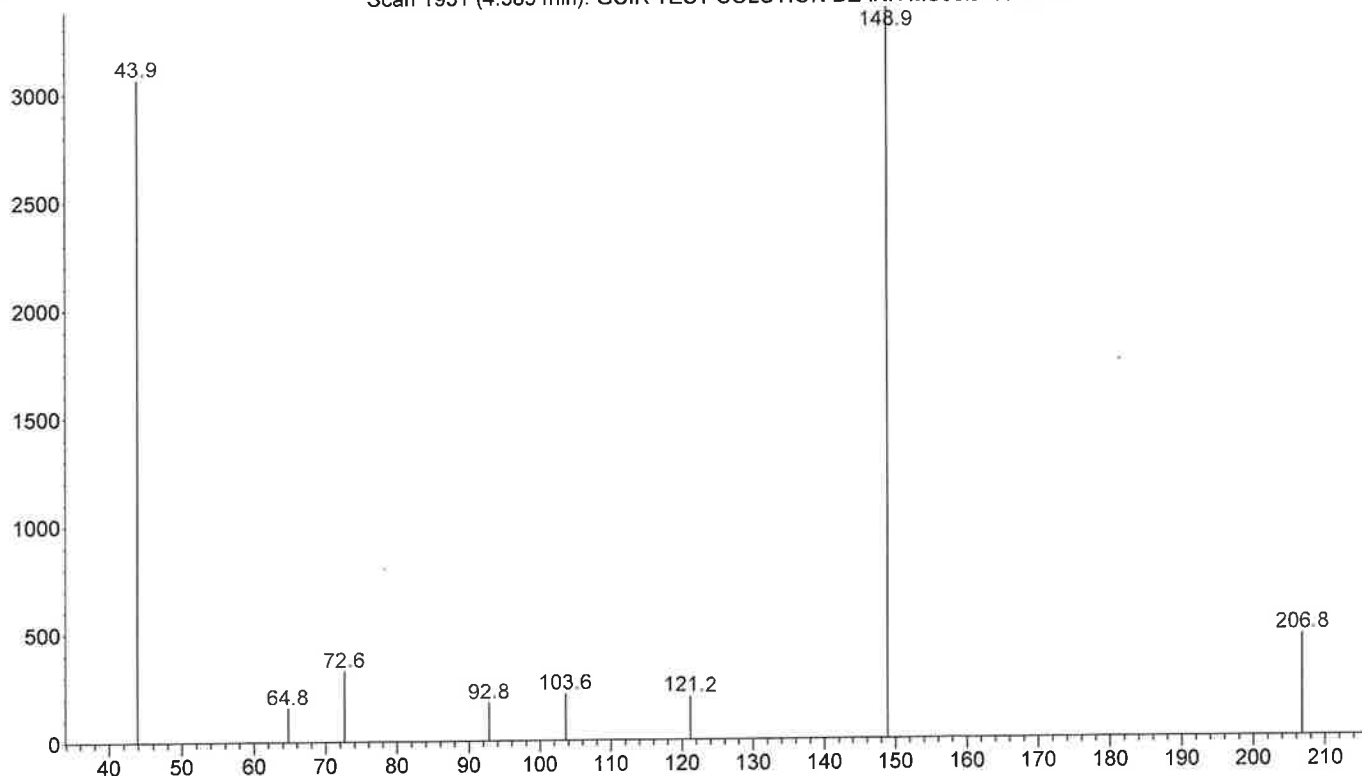
Abundance

TIC: GCIR TEST SOLUTION BLANK MS60.D\data.ms



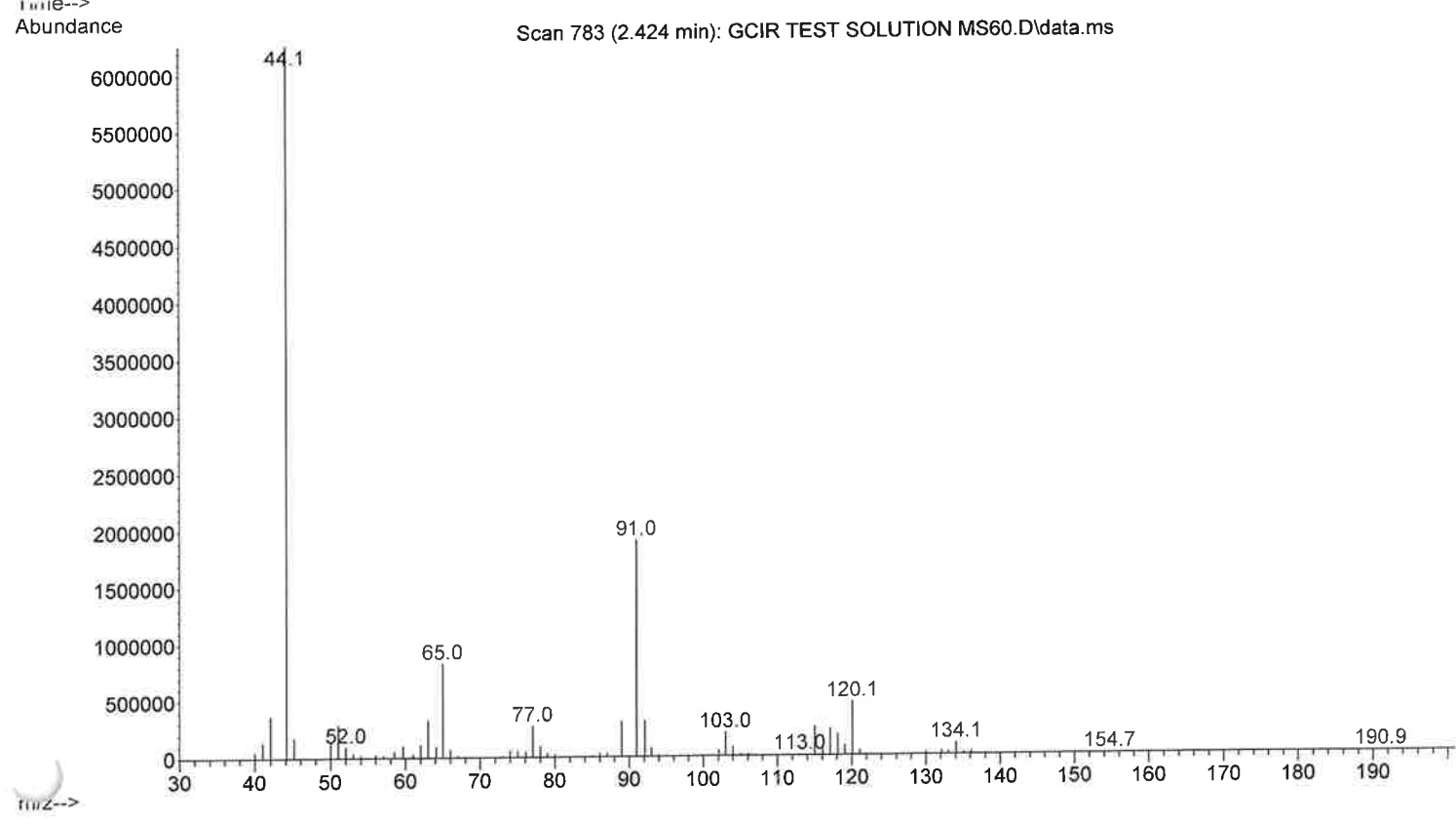
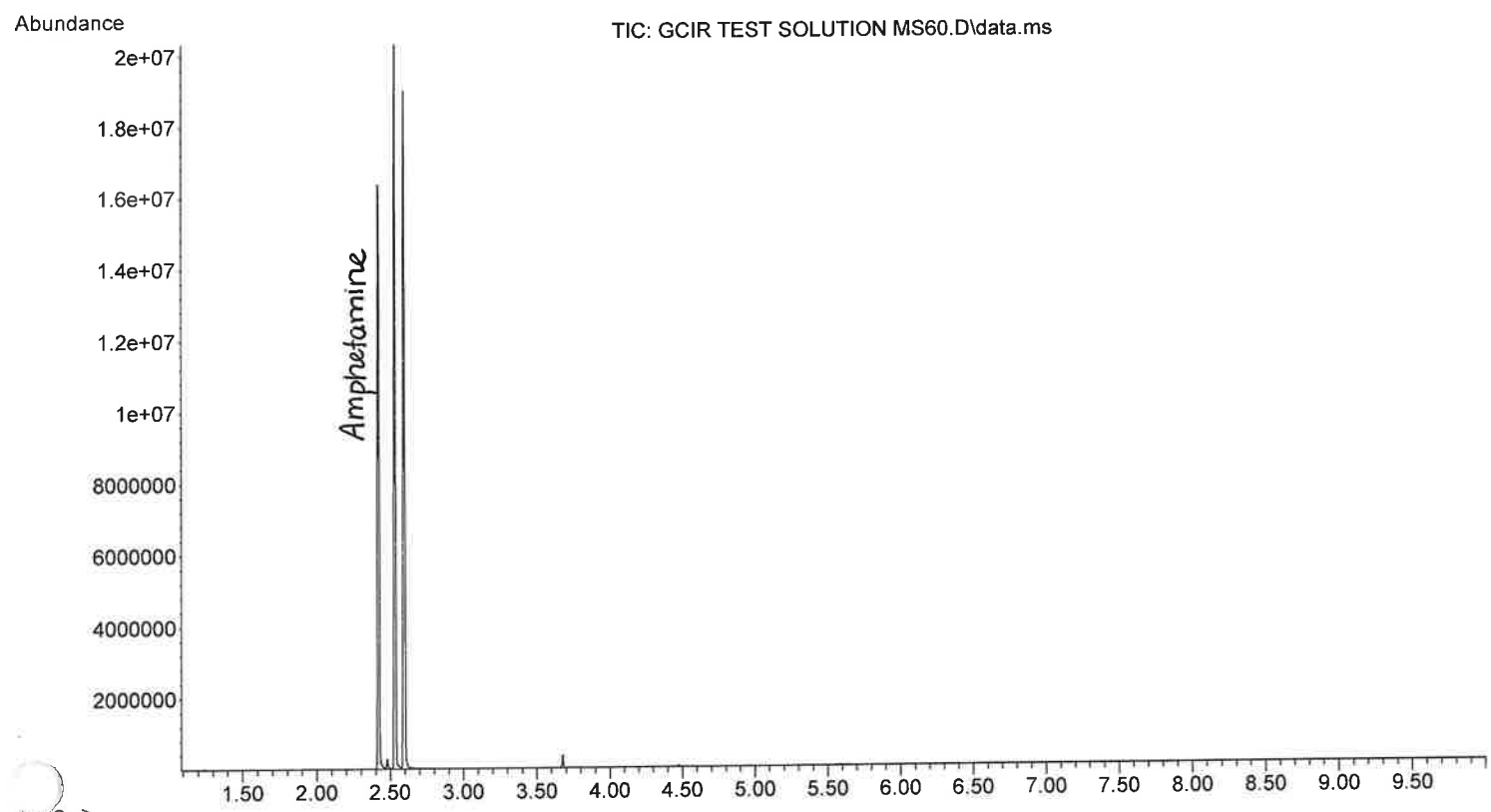
Abundance

Scan 1931 (4.385 min): GCIR TEST SOLUTION BLANK MS60.D\data.ms

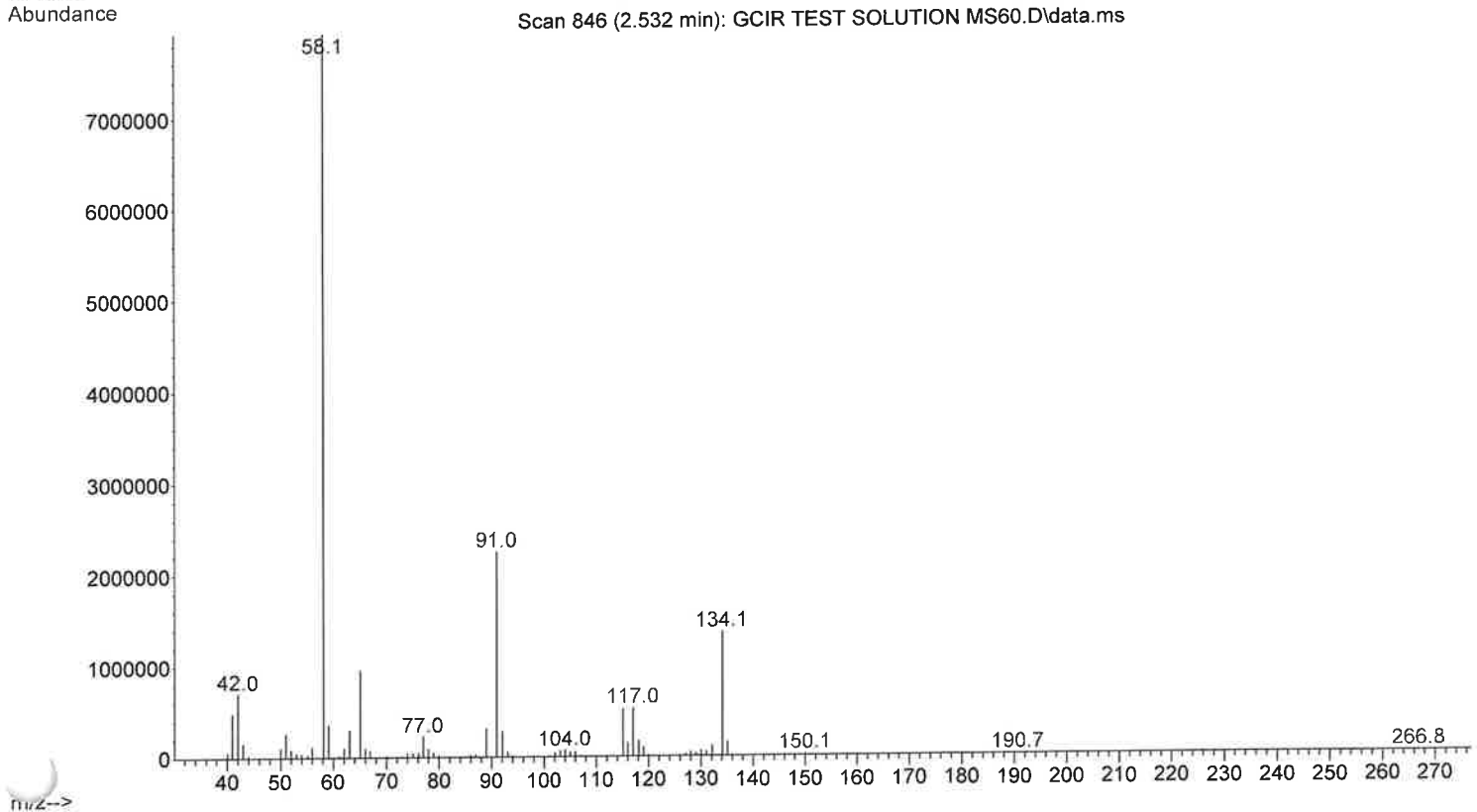
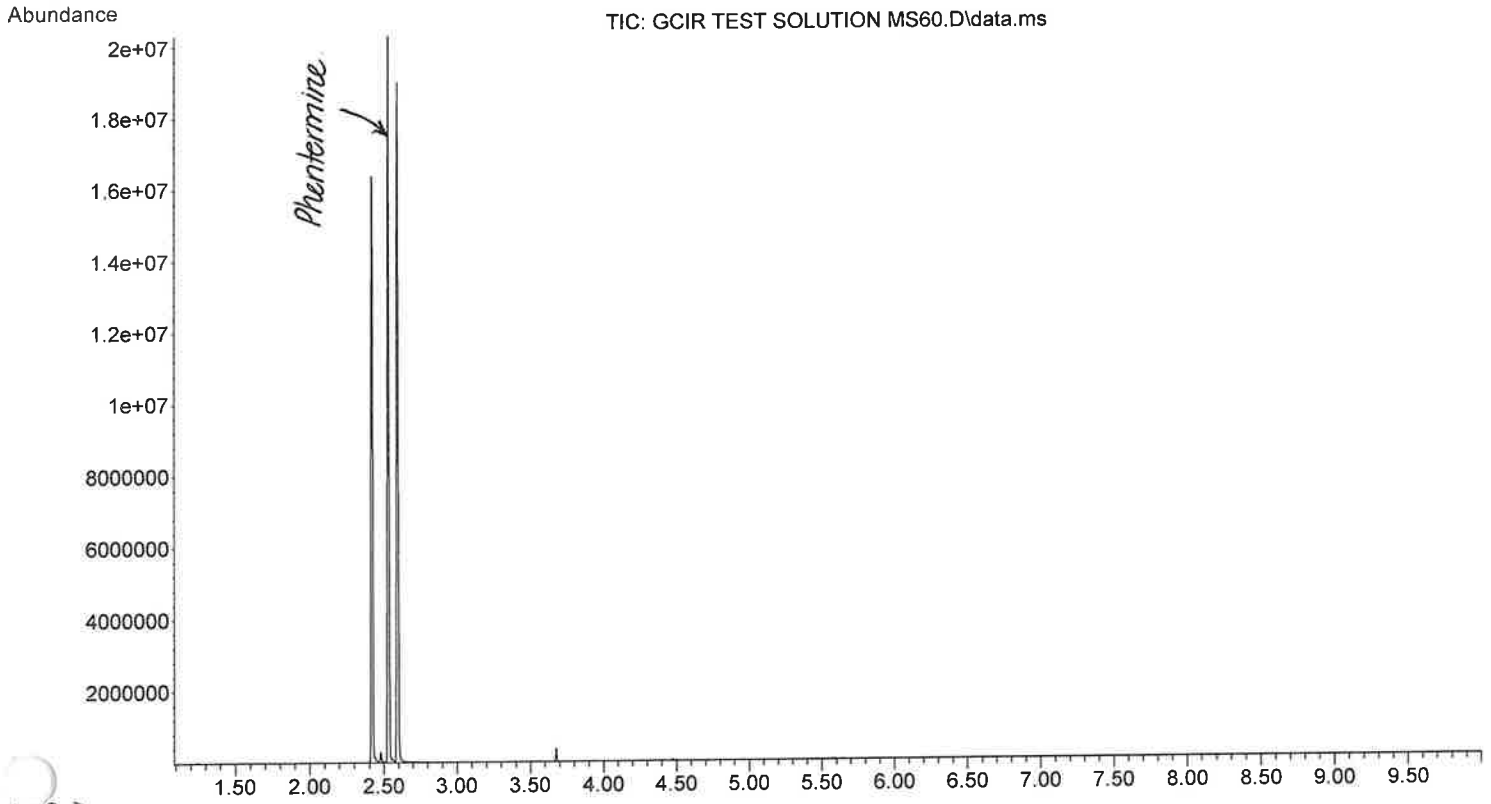


U6

File :X:\2023\IB\04-20-23\GCIR TEST SOLUTION MS60.D
Operator : Isabella Barnett
Acquired : 20 Apr 2023 13:17 using AcqMethod MSDRUGS60.M
Instrument : Stringbean
Sample Name: GCIR TEST SOLUTION MS60
Misc Info : MEOH, Exp. 04-20-24
Vial Number: 1

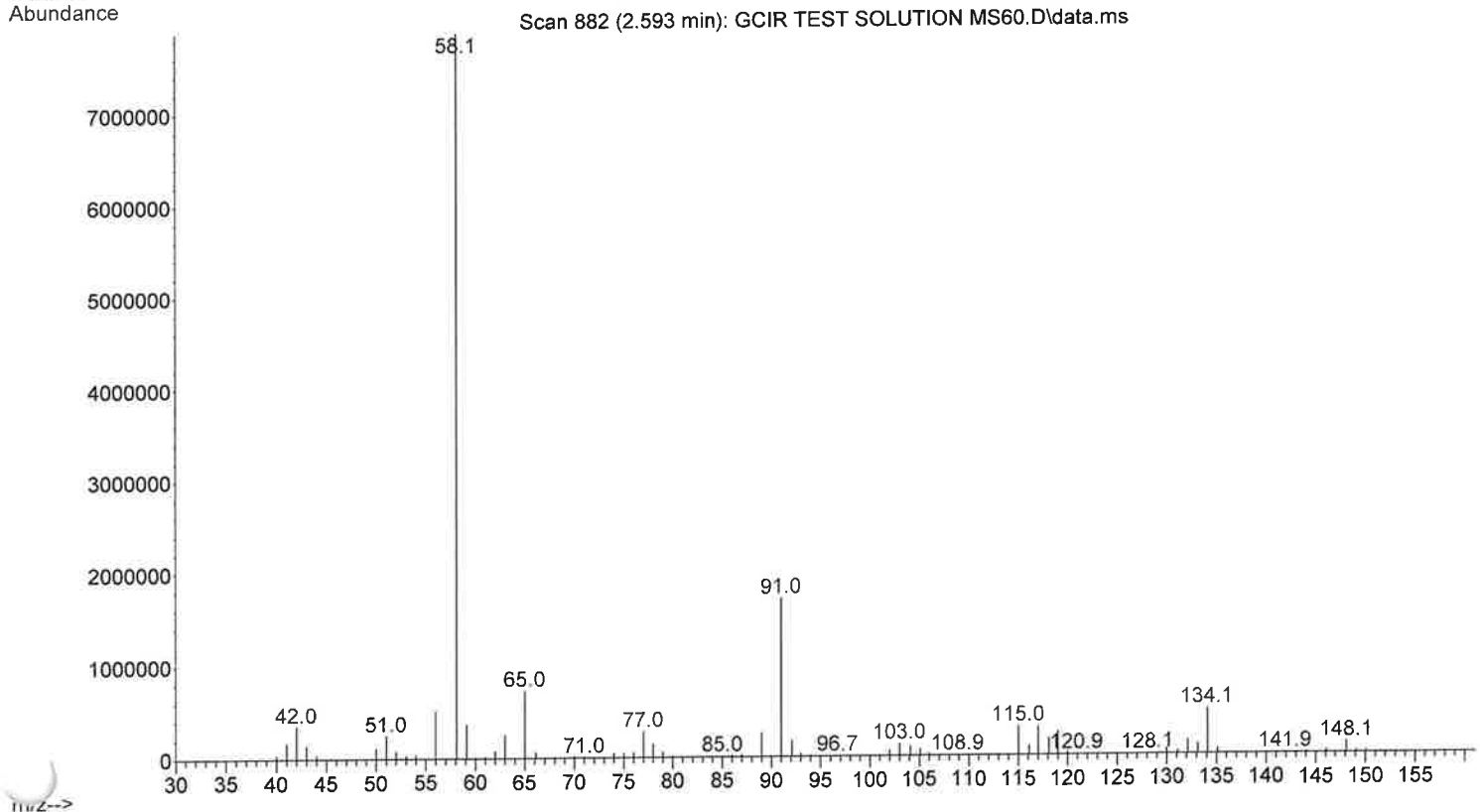
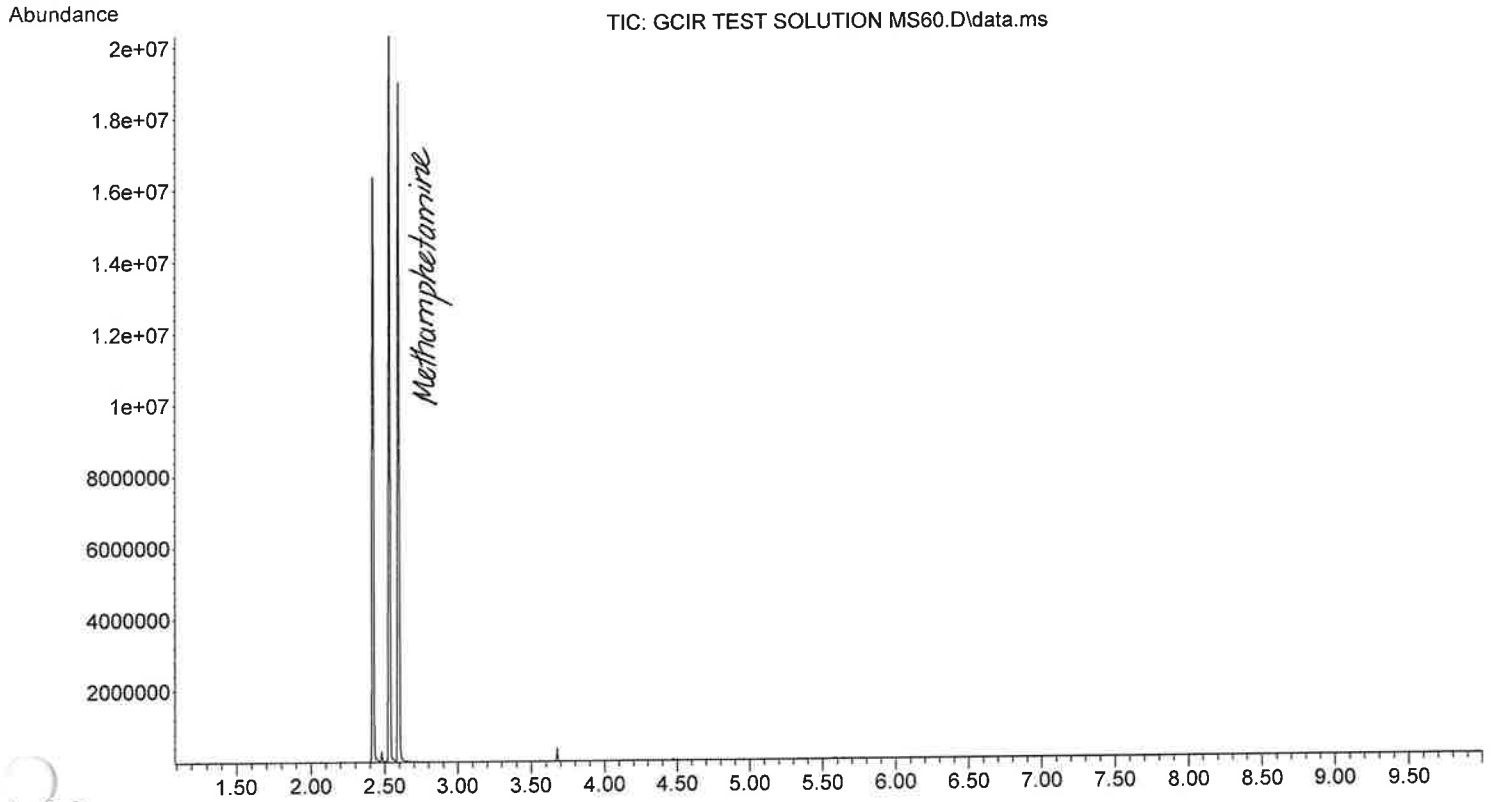


File :X:\2023\IB\04-20-23\GCIR TEST SOLUTION MS60.D
Operator : Isabella Barnett
Acquired : 20 Apr 2023 13:17 using AcqMethod MSDRUGS60.M
Instrument : Stringbean
Sample Name: GCIR TEST SOLUTION MS60
Misc Info : MEOH, Exp. 04-20-24
Vial Number: 1



File :X:\2023\IB\04-20-23\GCIR TEST SOLUTION MS60.D
Operator : Isabella Barnett
Acquired : 20 Apr 2023 13:17 using AcqMethod MSDRUGS60.M
Instrument : Stringbean
Sample Name: GCIR TEST SOLUTION MS60
Misc Info : MEOH, Exp. 04-20-24
Vial Number: 1

LB



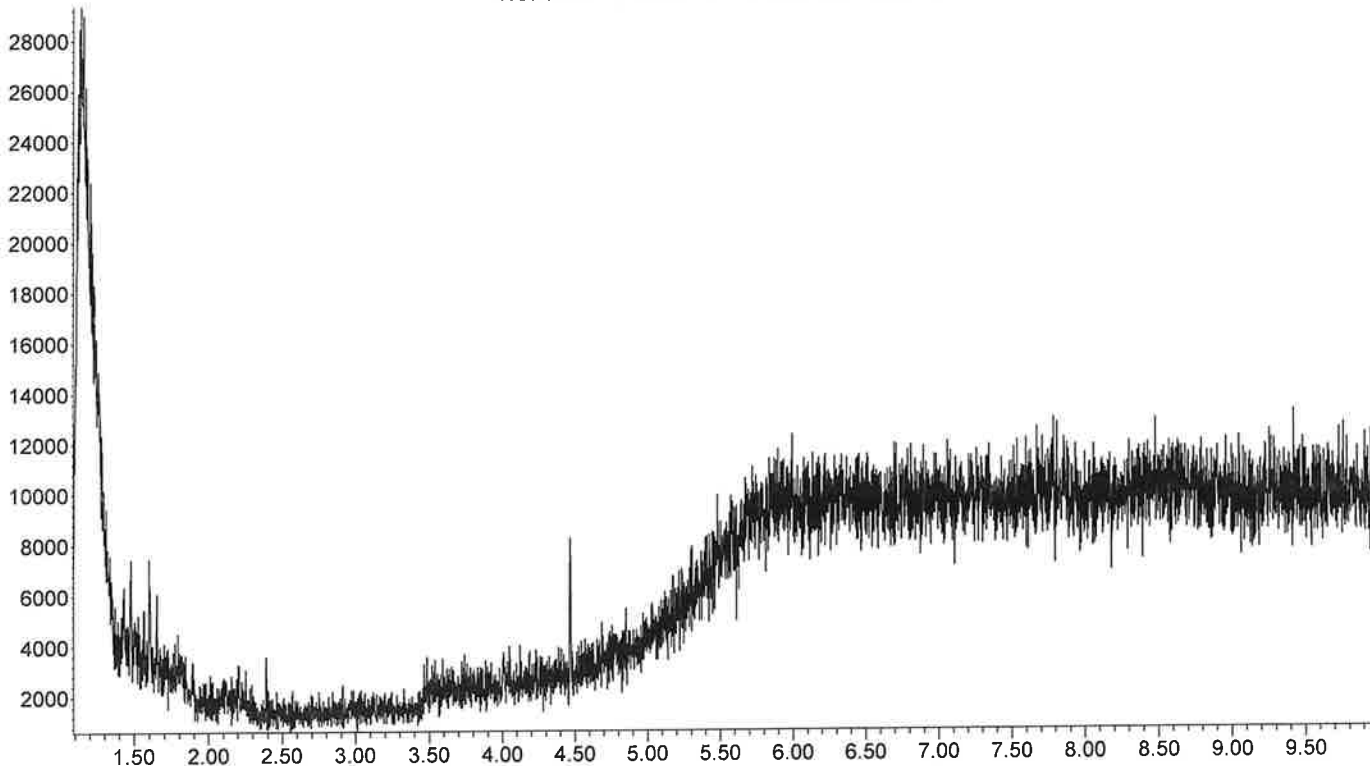
File :X:\2023\IB\04-19-23\THPFF4 MIX STD BLANK MS60.D
Operator : Isabella Barnett
Acquired : 19 Apr 2023 10:27 using AcqMethod MSDRUGS60.M
Instrument : Stringbean
Sample Name: THPFF4 MIX STD BLANK MS60
Misc Info : MEOH
Vial Number: 0

Alk

NCSD

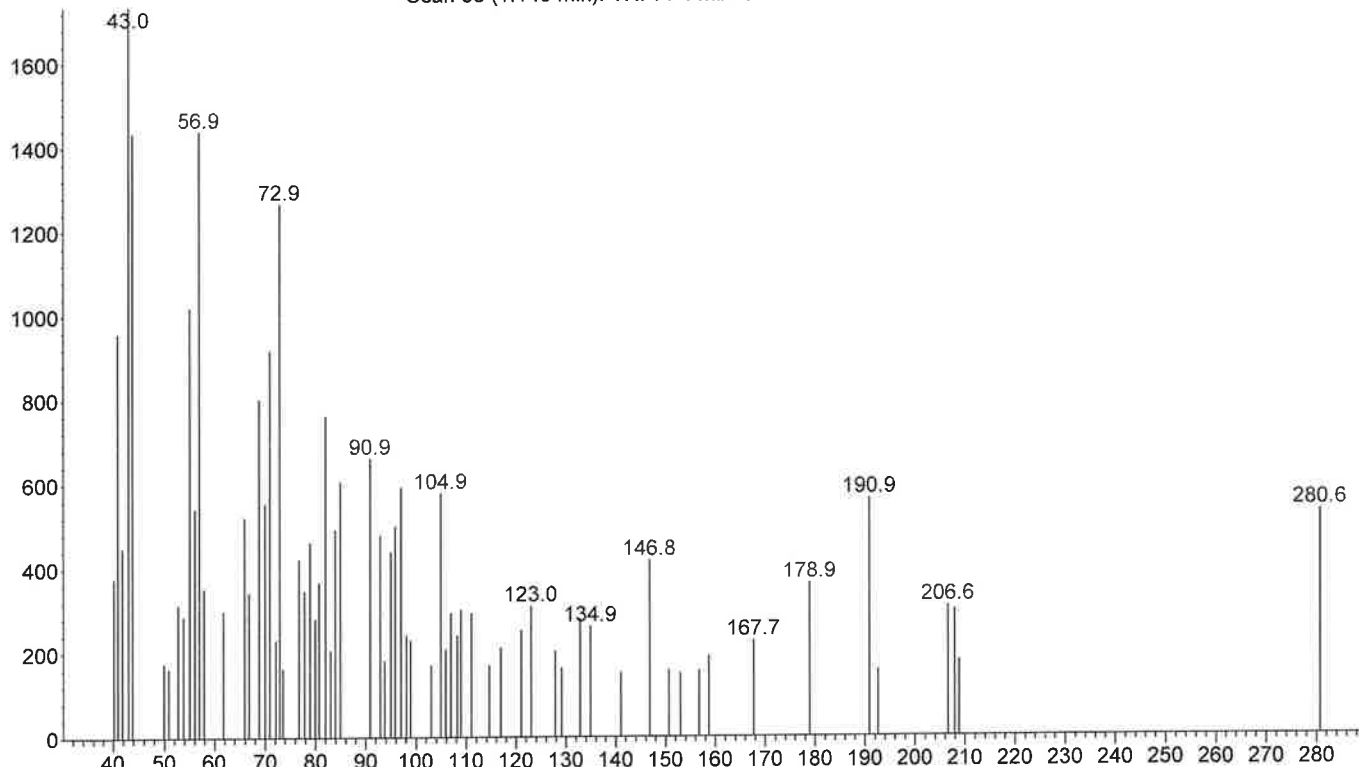
Abundance

TIC: THPFF4 MIX STD BLANK MS60.D\data.ms



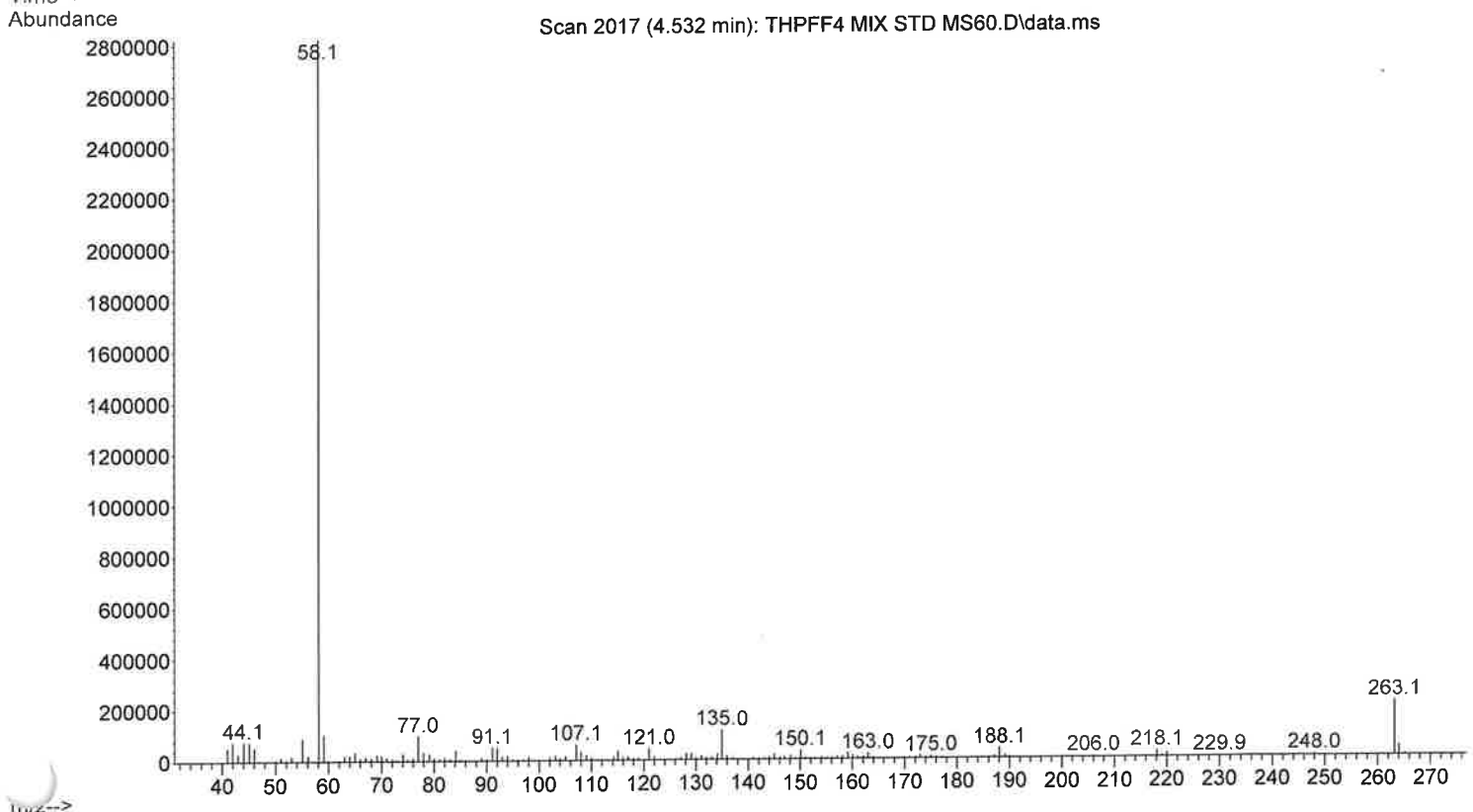
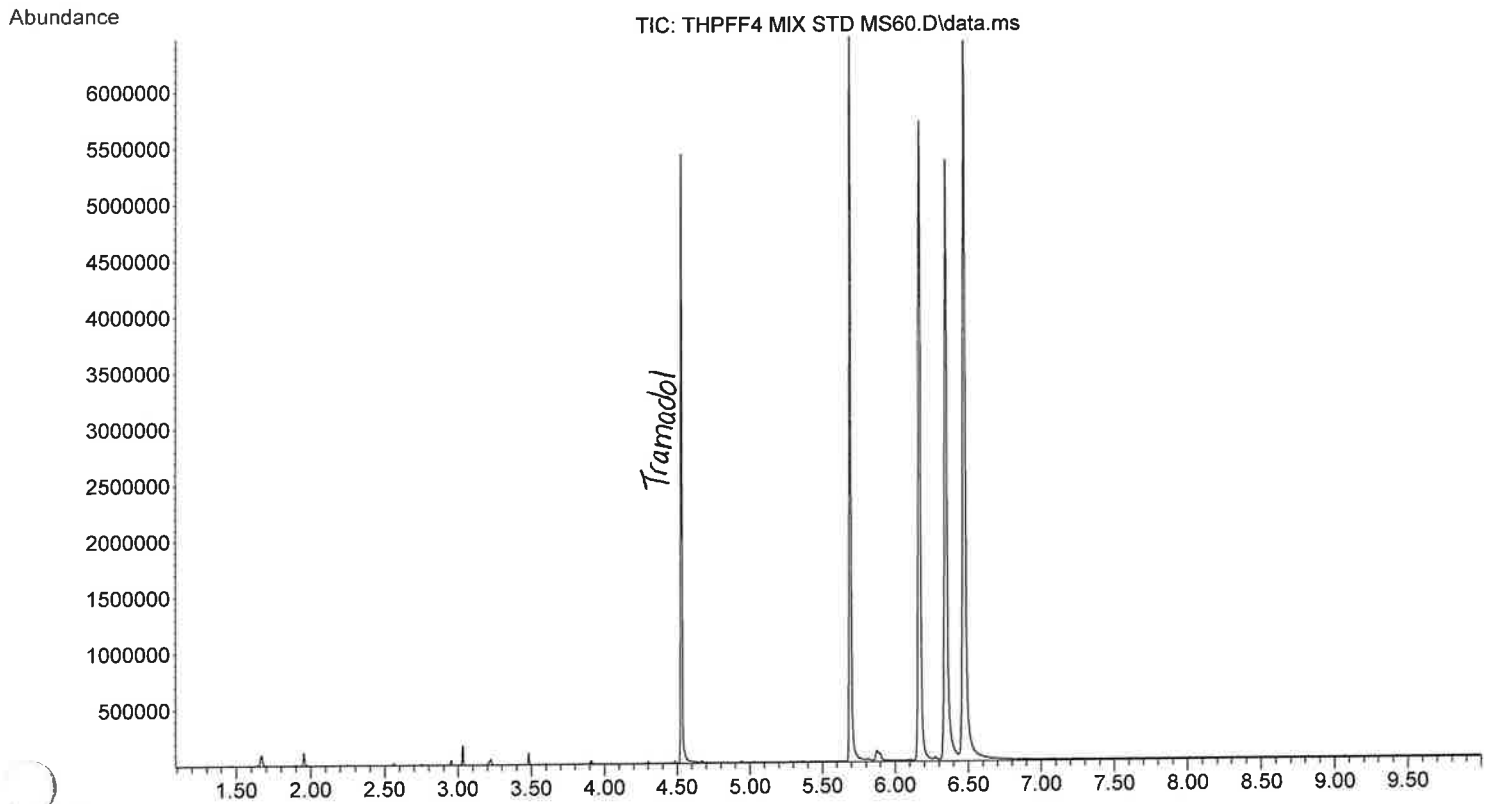
Abundance

Scan 33 (1.143 min): THPFF4 MIX STD BLANK MS60.D\data.ms



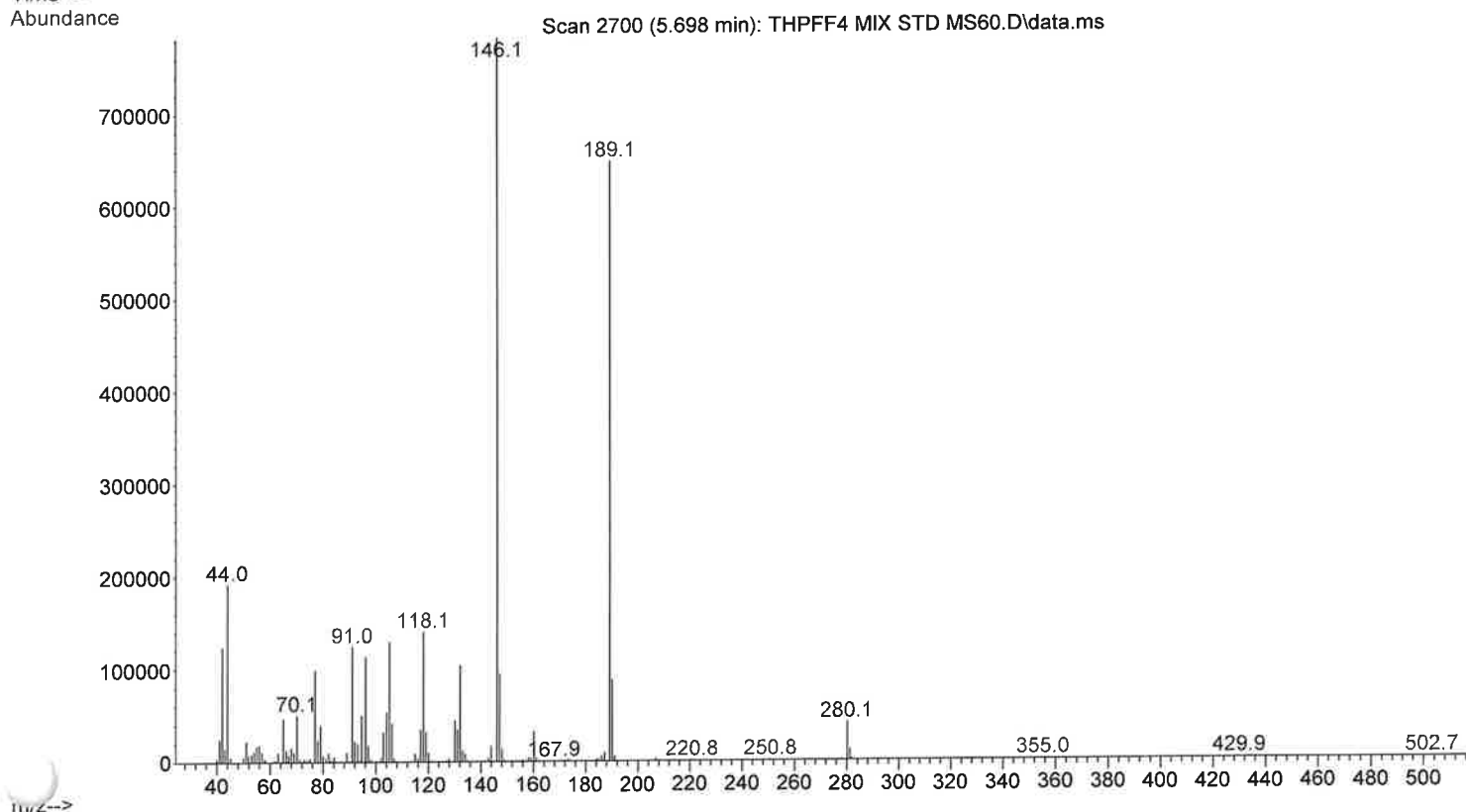
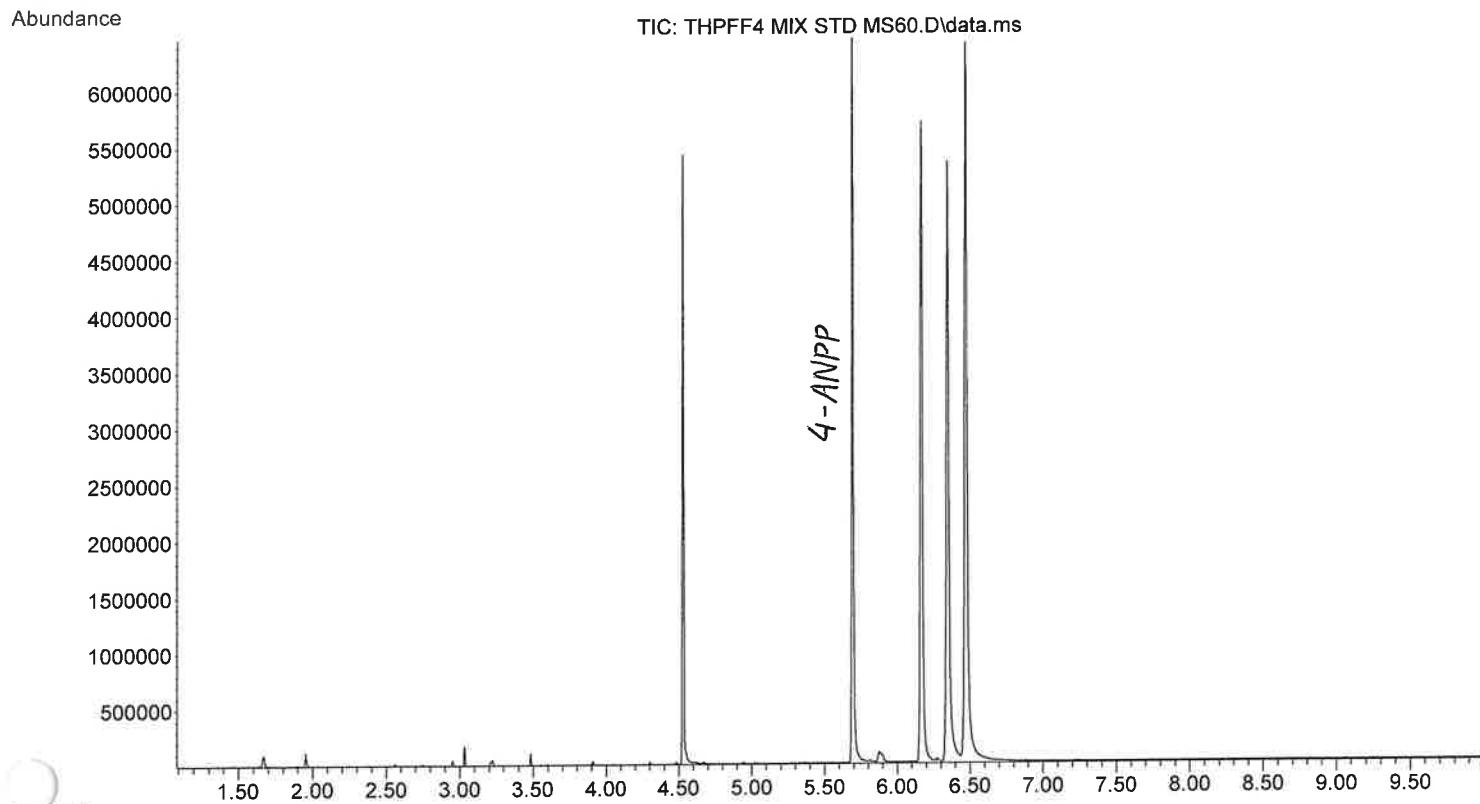
9/11

File :X:\2023\IB\04-19-23\THPFF4 MIX STD MS60.D
Operator : Isabella Barnett
Acquired : 19 Apr 2023 10:41 using AcqMethod MSDRUGS60.M
Instrument : Stringbean
Sample Name: THPFF4 MIX STD MS60
Misc Info : ME0H, Exp.03-22-24
Vial Number: 0



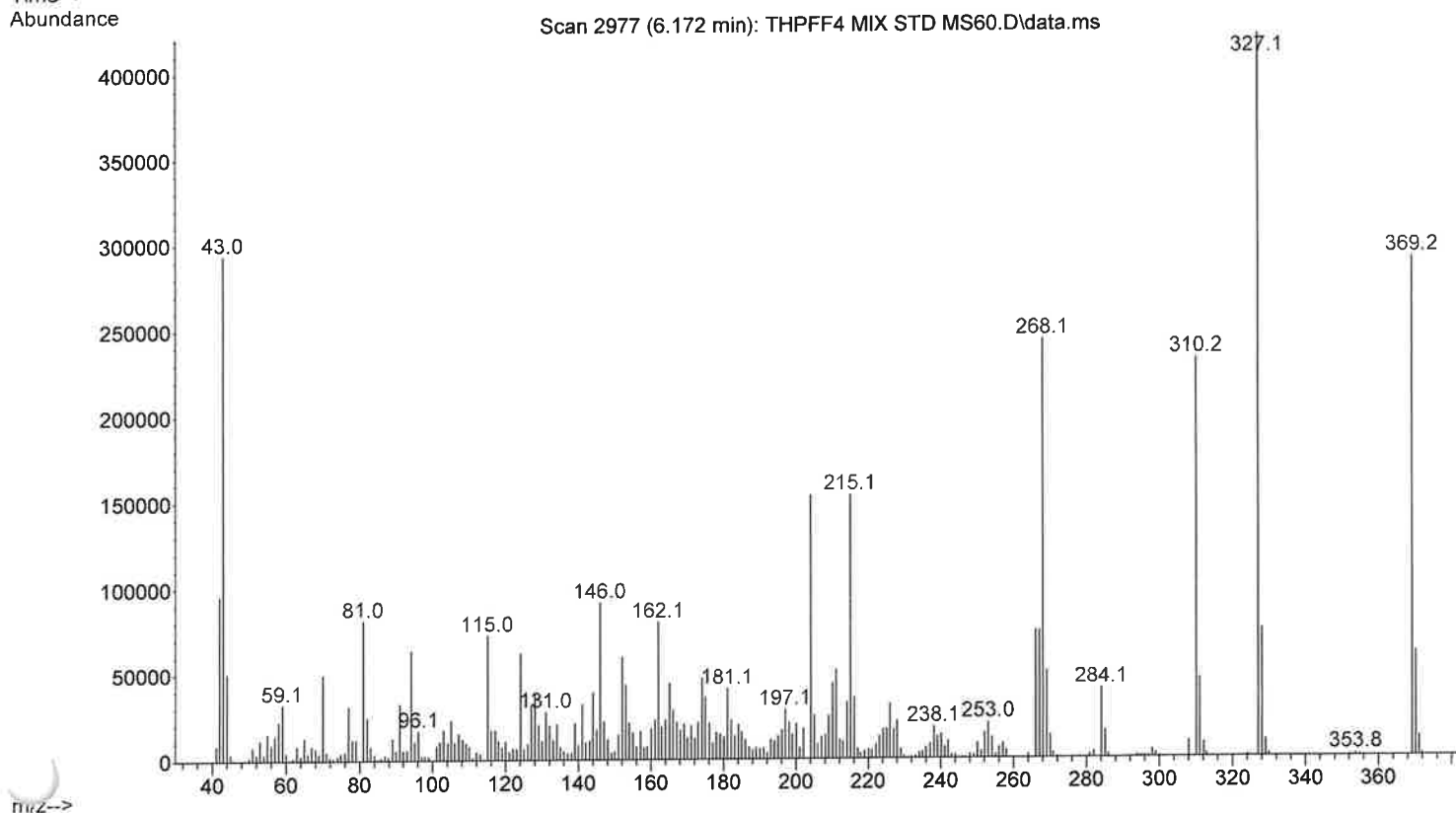
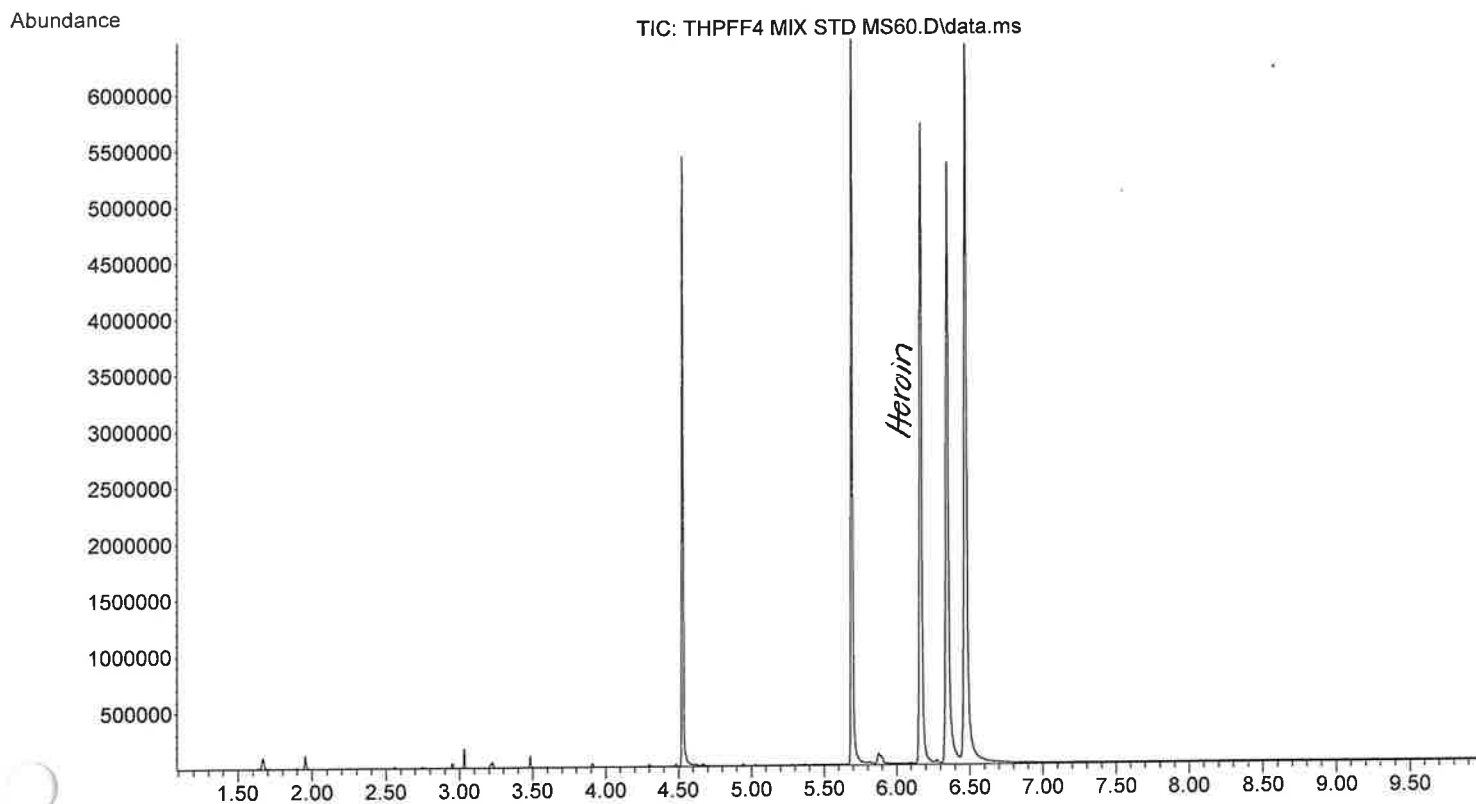
File :X:\2023\IB\04-19-23\THPFF4 MIX STD MS60.D
Operator : Isabella Barnett
Acquired : 19 Apr 2023 10:41 using AcqMethod MSDRUGS60.M
Instrument : Stringbean
Sample Name: THPFF4 MIX STD MS60
Misc Info : MEOH, Exp.03-22-24
Vi: umber: 0

all



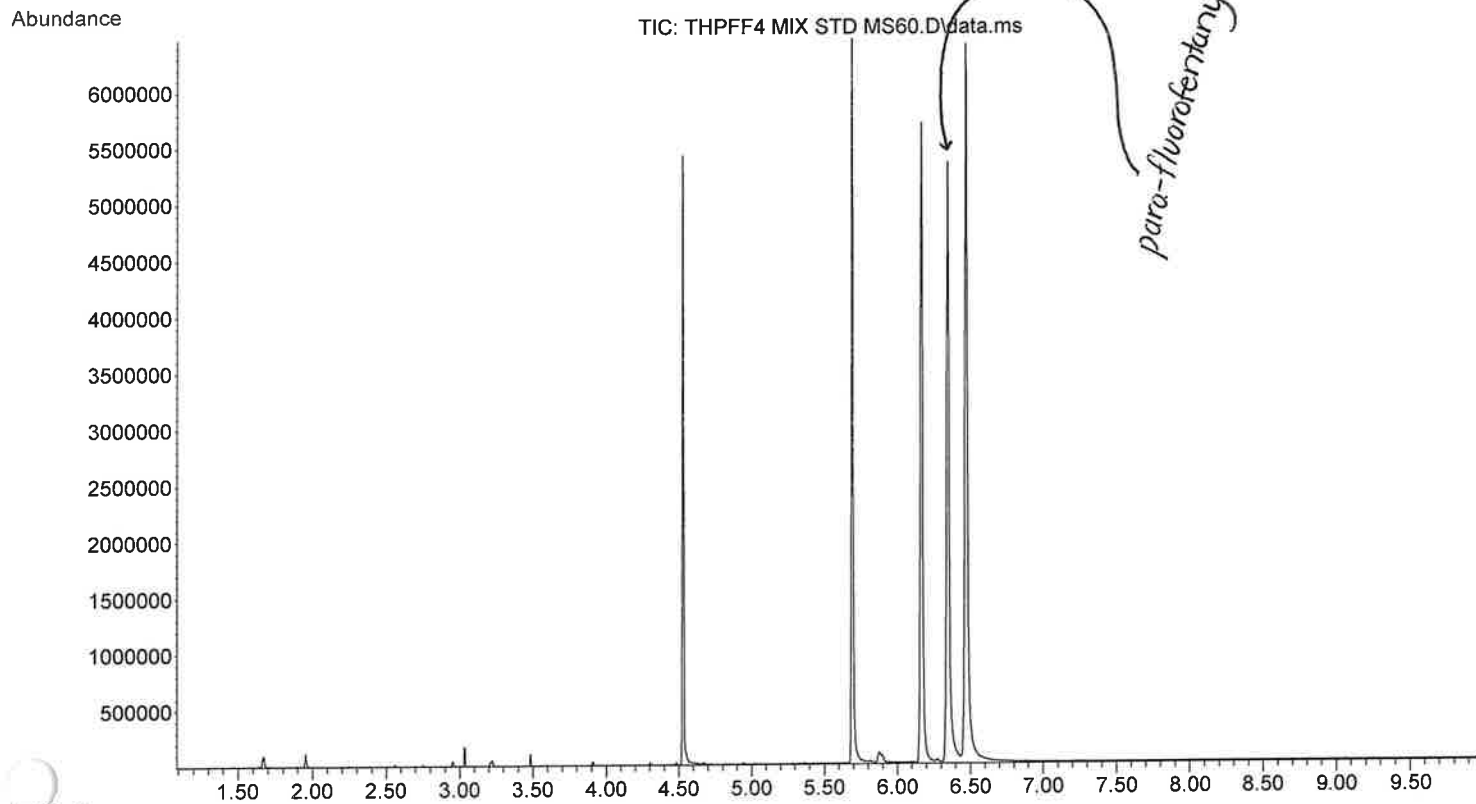
File :X:\2023\IB\04-19-23\THPFF4 MIX STD MS60.D
Operator : Isabella Barnett
Acquired : 19 Apr 2023 10:41 using AcqMethod MSDRUGS60.M
Instrument : Stringbean
Sample Name: THPFF4 MIX STD MS60
Misc Info : MEOH, Exp.03-22-24
Vial Number: 0

Elk

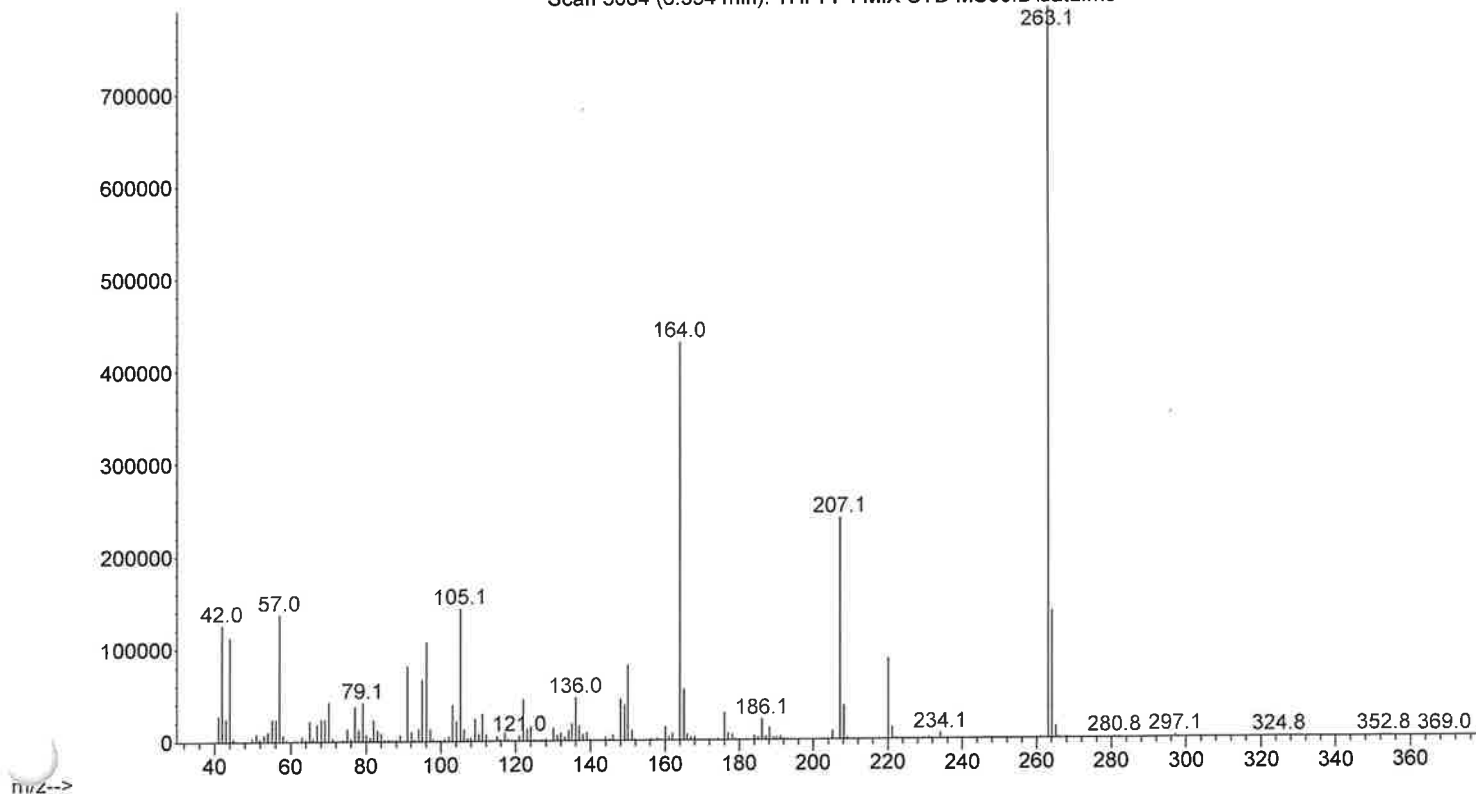


File : X:\2023\IB\04-19-23\THPFF4 MIX STD MS60.D
Operator : Isabella Barnett
Acquired : 19 Apr 2023 10:41 using AcqMethod MSDRUGS60.M
Instrument : Stringbean
Sample Name: THPFF4 MIX STD MS60
Misc Info : MEOH, Exp.03-22-24
Vial Number: 0

EB

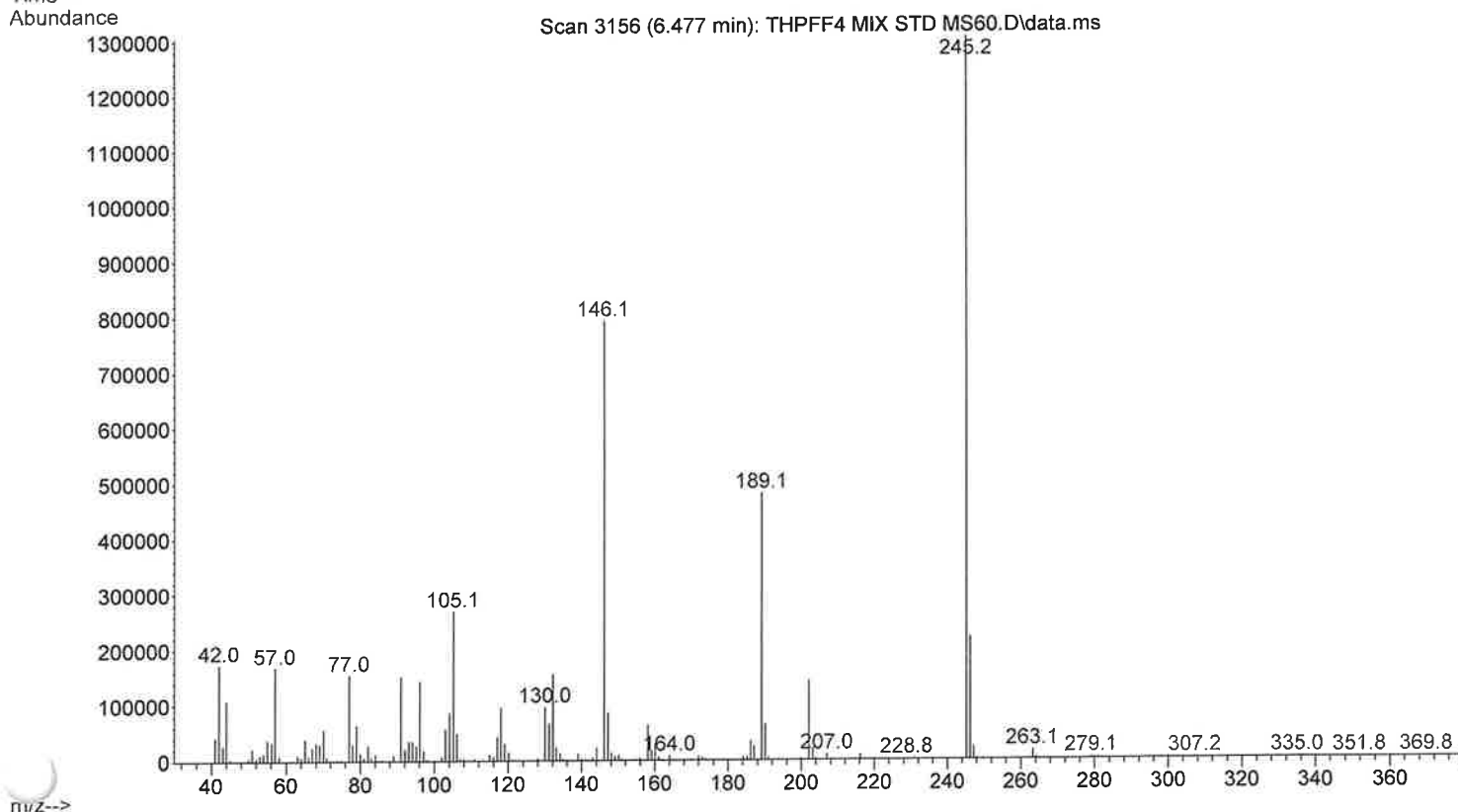
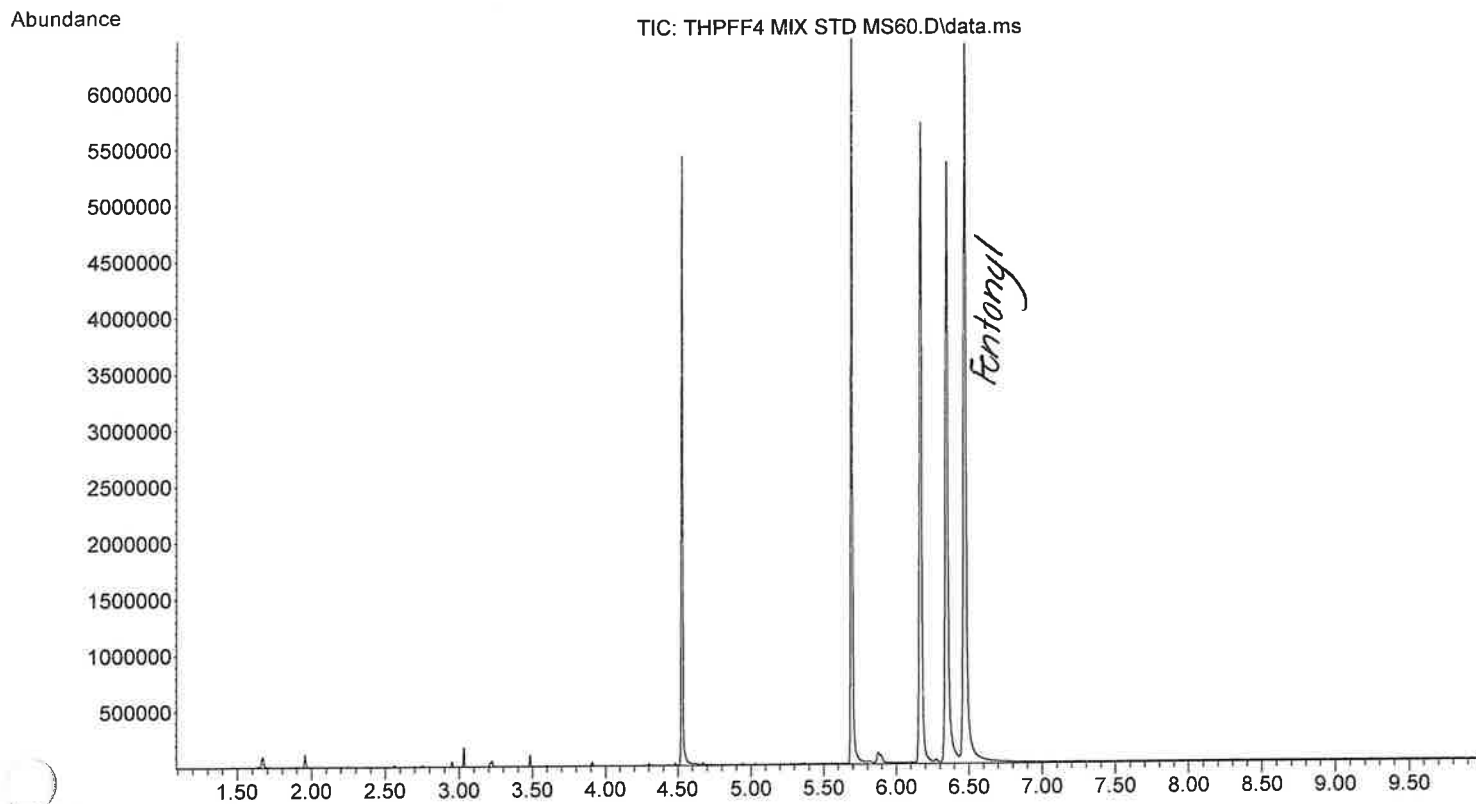


Scan 3084 (6.354 min): THPFF4 MIX STD MS60.D\data.ms



File :X:\2023\IB\04-19-23\THPFF4 MIX STD MS60.D
Operator : Isabella Barnett
Acquired : 19 Apr 2023 10:41 using AcqMethod MSDRUGS60.M
Instrument : Stringbean
Sample Name: THPFF4 MIX STD MS60
Misc Info : MEOH, Exp.03-22-24
Vial Number: 0

allh



METHOD CONTROL PARAMETERS

Method Information for: D:\MassHunter\GCMS\1\methods\MSDRUGSTI.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:

This is a manual injection MS 100-280 / 30 minute method.

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	D:\MassHunter\GCMS\1\methods\MSDRUGSTI.M
Tune file	ATUNE.U
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.0
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 6,250 [N=0]

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	40	550

Self-Cleaning Ion Source Parameters

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

D:\MassHunter\GCMS\1\methods\MSDRUGSTI.M
Tue Apr 04 09:08:56 2023

Control Information

Sample Inlet : GC
Injection Source : Manual
Mass Spectrometer : Enabled

No Sample Prep method has been assigned to this method.

GC
GC Summary
Run Time 30.001 min
Post Run Time 0 min

Oven
Temperature
Setpoint On
(Initial) 100 °C
Hold Time 1 min
Post Run 50 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 26.43 min

Equilibration Time 0.25 min
Max Temperature 350 °C
Minimum Temperature Override Disabled
On Fan Disabled

ALS
Front 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 0
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 1 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.5 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	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 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	
Helium Conservation Controlled	Off
Mode	Split
Heater	On 250 °C
Pressure	On 8.5 psi
Total Flow	On 45.194 mL/min
Septum Purge Flow	On 3 mL/min
Pre-Run Flow Test	Off
Gas Saver	On 20 mL/min after 3 min
Split Ratio	50 :1
Split Flow	41.367 mL/min
Liner	A Liner has not been selected.
Back SS Inlet He	
Helium Conservation Controlled	Off
Mode	Split
Heater	On 250 °C
Pressure	On 8.5 psi
Total Flow	On 141.9 mL/min
Septum Purge Flow	On 3 mL/min
Pre-Run Flow Test	Off
Gas Saver	Off
Split Ratio	50 :1
Split Flow	136.18 mL/min
Liner	A Liner has not been selected.
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	0.82733 mL/min
Post Run	1 mL/min

Column Information
Description
Temperature Range
Dimensions
Heater
Column lock
(Initial)
Pressure
Flow
Average Velocity
Holdup Time
Control Mode

Agilent 19091S-602
HP-1MS
-60 °C-325 °C (350 °C)
12.5 m x 200 µm x 0.33 µm (Calibrated)
Oven
Unlocked
Front SS Inlet He
MSD
100 °C
8.5 psi
0.82733 mL/min
52.55 cm/sec
0.39644 min
Constant Flow

Column #2
Pressure
Setpoint
(Initial)
Post Run

On
8.5 psi
2.8778 psi

Column Information
Temperature Range
Dimensions
Heater
Column lock
In
Out
(Initial)
Pressure
Flow
Average Velocity
Holdup Time
Control Mode

Agilent 19091S-913
-60 °C-325 °C (350 °C)
15 m x 320 µm x 0.25 µm (Calibrated)
Oven
Unlocked
Back SS Inlet He
Back Detector FID
100 °C
8.5 psi
2.7236 mL/min
54.059 cm/sec
0.46246 min
Constant Pressure

Column Outlet Pressure

0 psi

Back Detector FID
Makeup
Heater
H2 Flow
Air Flow
Makeup Flow
Carrier Gas Flow Correction
Flame
Blank Evaluation Setpoints
Perform Blank Evaluation Test

He
On 300 °C
Off
Off
Off
Constant Makeup and Fuel Flow
Off
Off

Helium Conservation
Helium Valve
Nitrogen Valve

Off
Off

Detector Evaluation
Perform Detector Evaluation Test

Off

MSD Transfer Line
Temperature
Setpoint
(Initial)

On
280 °C

Signals
Signal #1:
Description

None

Signal #2:	
Description	None
Signal #3:	
Description	None
Signal #4:	
Description	None
Signal #5:	
Description	None
Signal #6:	
Description	None
Signal #7:	
Description	None
Signal #8:	
Description	None

TUNE PARAMETERS for SN: US2246MS10

Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
29.720	:	REPELLER	
90.331	:	IONFOCUS	
20.181	:	ENTRANCE_LENS	
883.721	:	EMVOLTS	
		913.2	: Actual EMV
		1.00	: GAIN FACTOR
3335.000	:	AMUGAIN	
132.750	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
13.233	:	ENTLENISOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
421.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

DATA ANALYSIS PARAMETERS

Method Name: D:\MassHunter\GCMS\1\methods\MSDRUGSTI.M

Percent Report Settings

Sort By: Signal

Output Destination

Screen: No
Printer: Yes
File: No

Integration Events: AutoIntegrate

Generate Report During Run Method: No

Signal Correlation Window: 0.020

Qualitative Report Settings

Peak Location of Unknown: Apex

Library to Search	Minimum Quality
Q:\Instrument Libraries\Current\TBI_DRUG.L	0
Q:\Instrument Libraries\Current\SWGDRUG 3.12.L	0
Q:\Instrument Libraries\Current\CaymanSpectralLibrary.L	

Integration Events: AutoIntegrate

Report Type: Summary

Output Destination

Screen: No
Printer: Yes
File: No

Generate Report During Run Method: No

Quantitative Report Settings

Report Type: Summary

Output Destination

Screen: Yes

Printer: No

File: No

Generate Report During Run Method: No

Calibration Last Updated:

Reference Window: 10.00 Percent

Non-Reference Window: 5.00 Percent

Correlation Window: 0.02 minutes

Default Multiplier: 1.00

Default Sample Concentration: 0.00

Compound Information

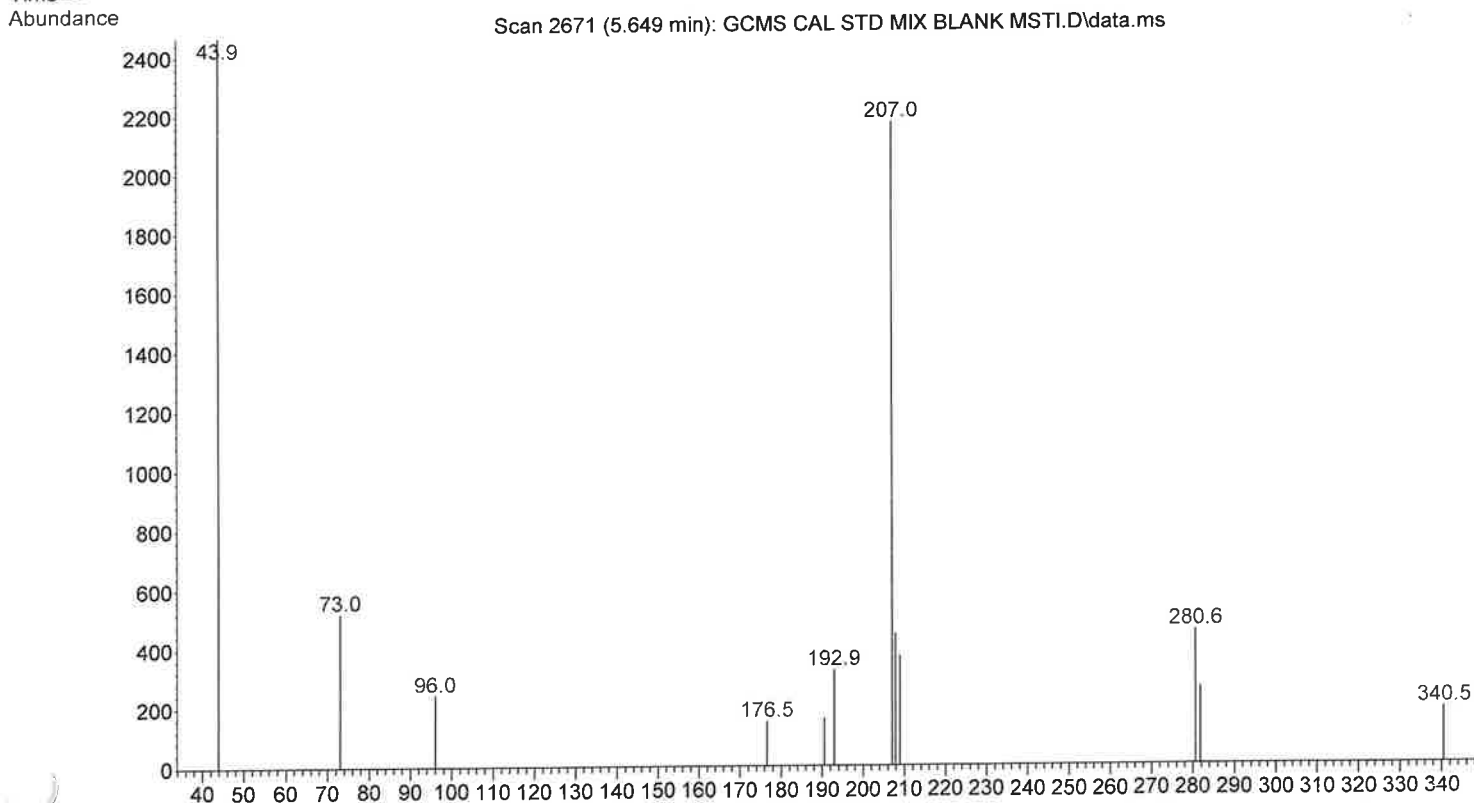
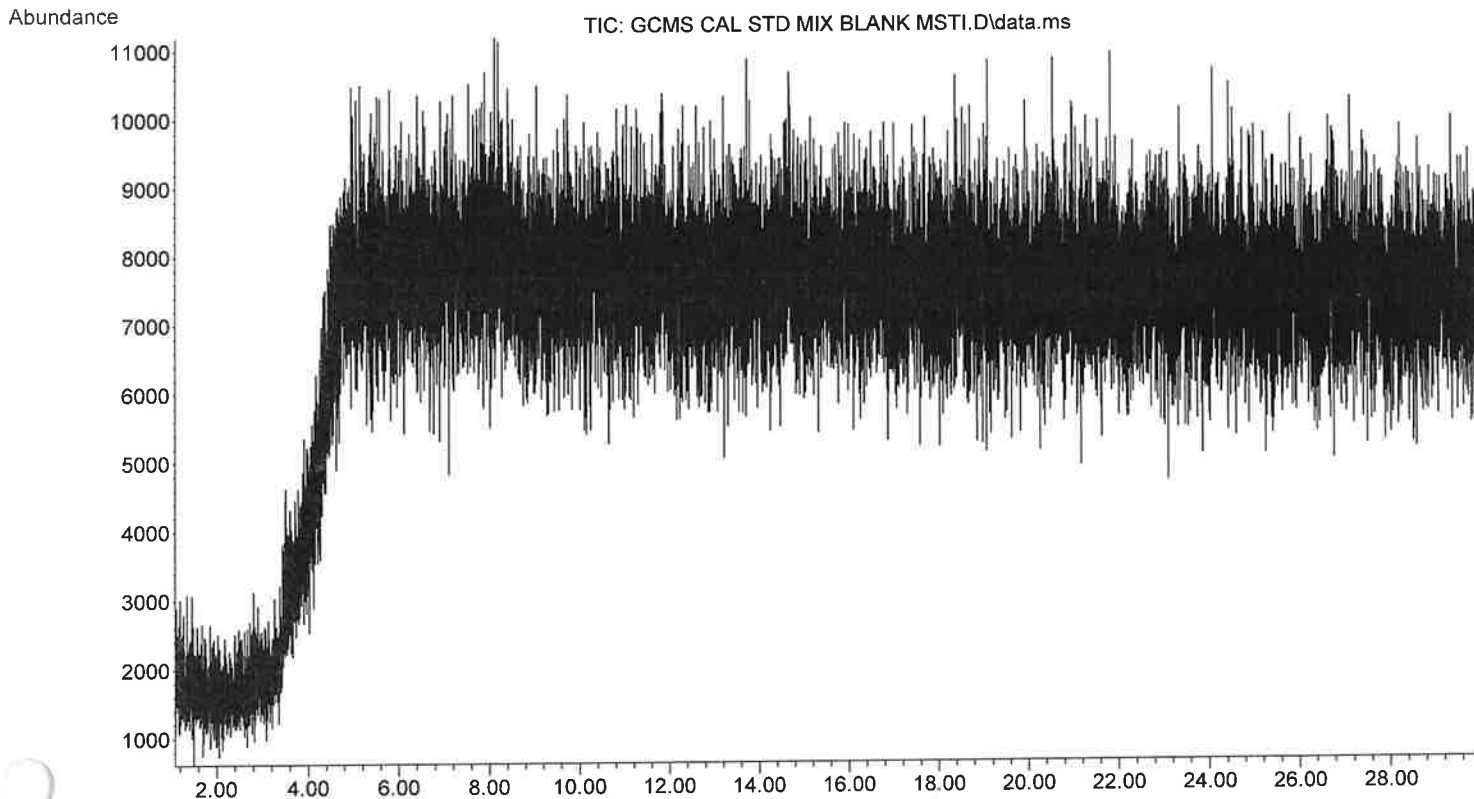
*** Empty Quantitation Database ***

END OF DATA ANALYSIS PARAMETERS

Tue Apr 04 09:08:57 2023

alt

File :X:\2023\IB\04-19-23\GCMS CAL STD MIX BLANK MSTI.D
Operator : Isabella Barnett
Acquired : 19 Apr 2023 12:44 using AcqMethod MSDRUGSTI.M
Instrument : Stringbean
Sample Name: GCMS CAL STD MIX BLANK MSTI
Misc Info : MEOH
Vi umber: 0

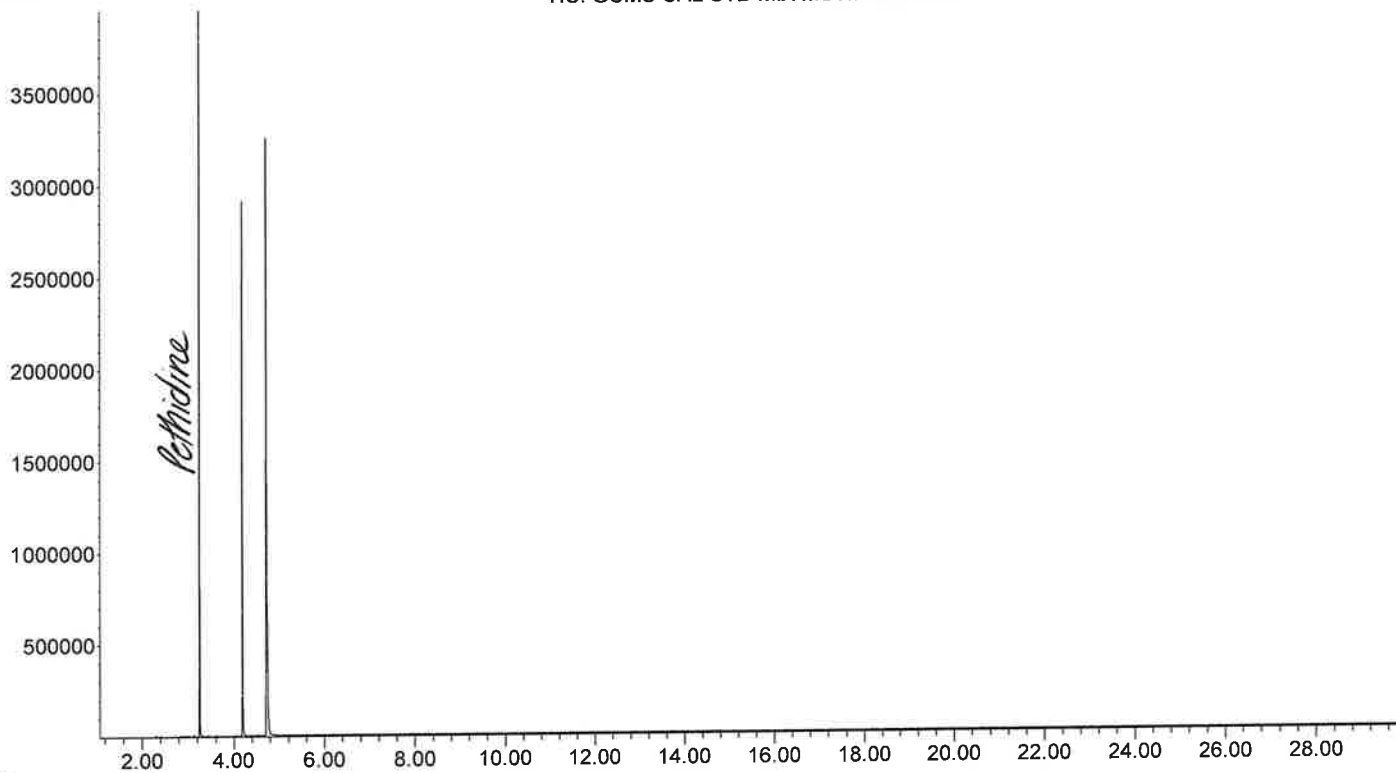


File :X:\2023\IB\04-19-23\GCMS CAL STD MIX MSTI.D
Operator : Isabella Barnett
Acquired : 19 Apr 2023 13:16 using AcqMethod MS DRUGSTI.M
Instrument : Stringbean
Sample Name: GCMS CAL STD MIX MSTI
Misc Info : MEOH, Exp.03-20-24
Vi umber: 0

alb

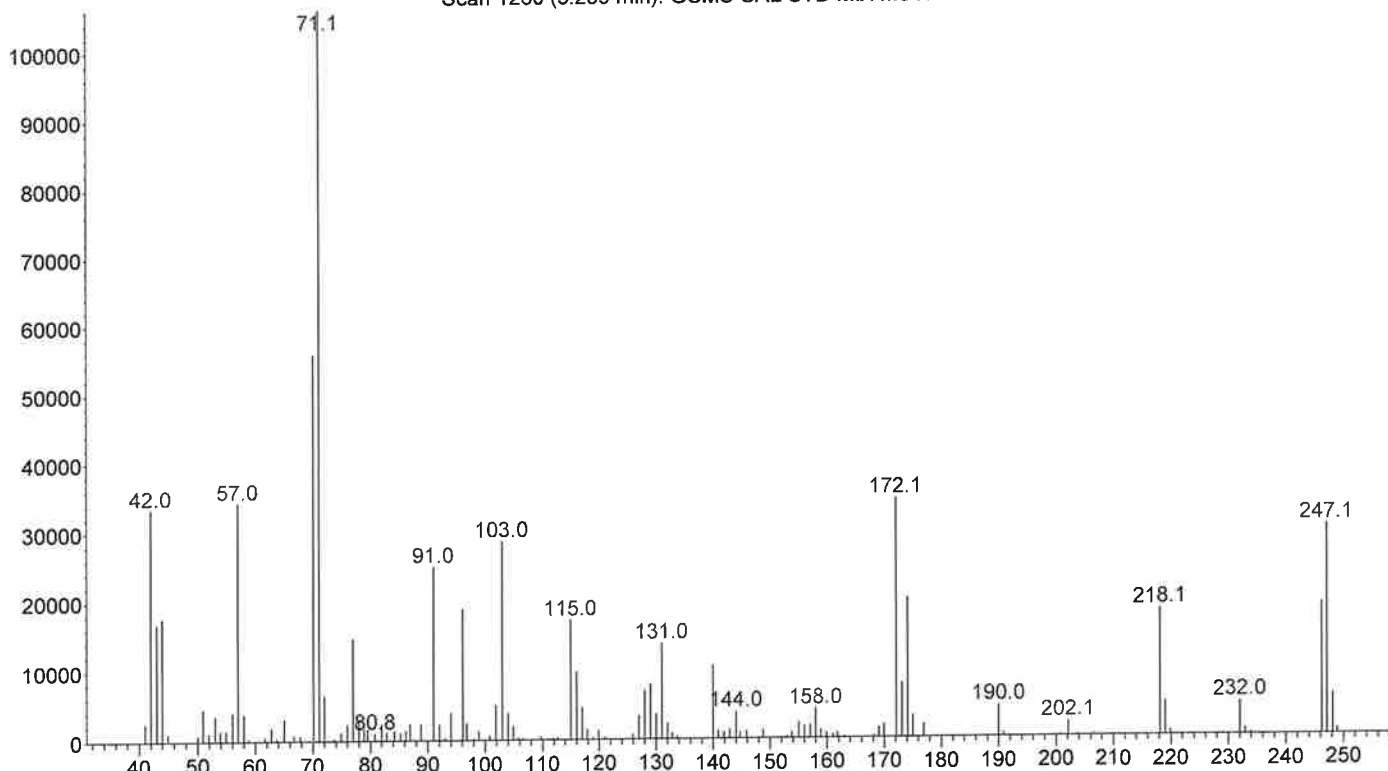
Abundance

TIC: GCMS CAL STD MIX MSTI.D\data.ms

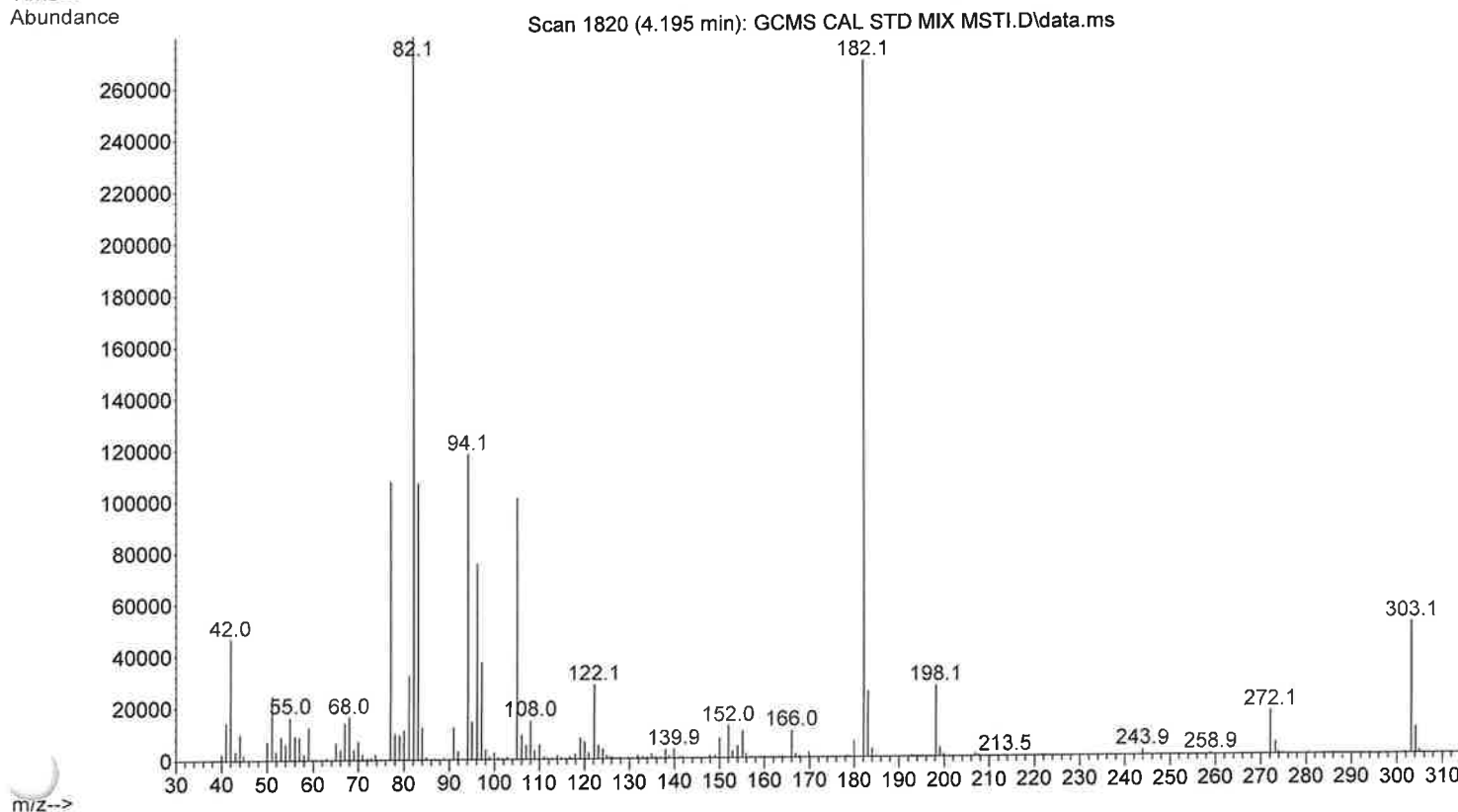
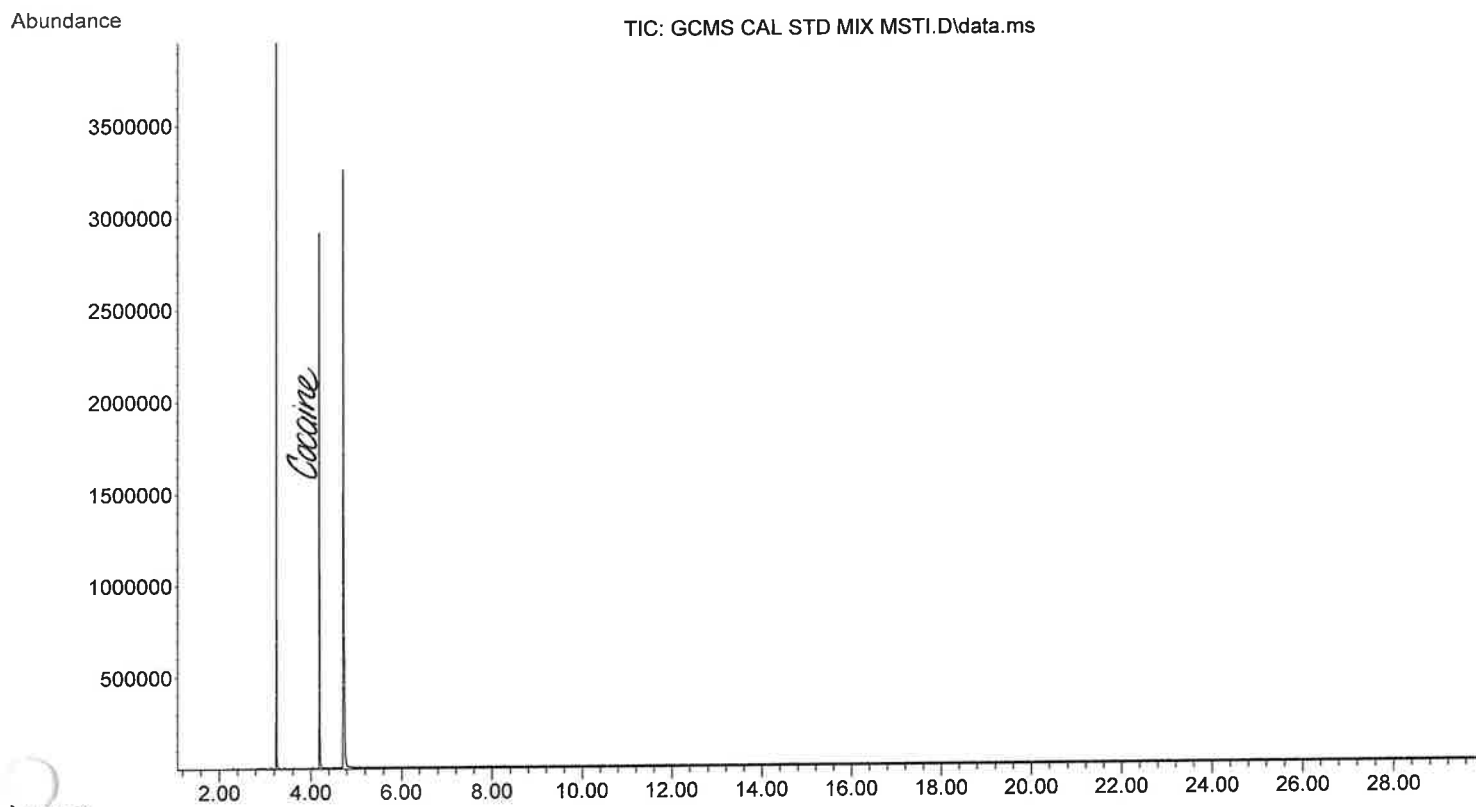


Abundance

Scan 1260 (3.239 min): GCMS CAL STD MIX MSTI.D\data.ms



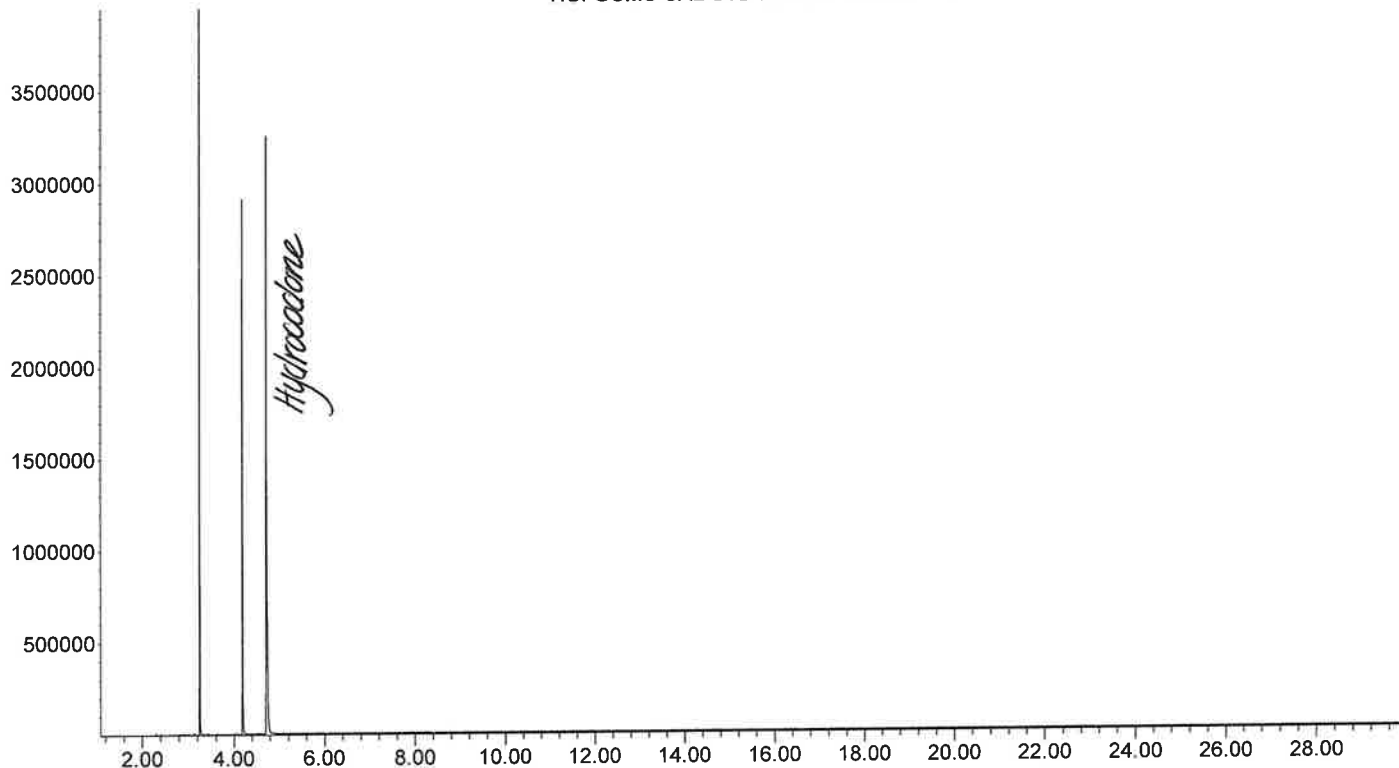
File :X:\2023\IB\04-19-23\GCMS CAL STD MIX MSTI.D
Operator : Isabella Barnett
Acquired : 19 Apr 2023 13:16 using AcqMethod MSDRUGSTI.M
Instrument : Stringbean
Sample Name: GCMS CAL STD MIX MSTI
Misc Info : MEOH, Exp.03-20-24
Vi: umber: 0



File :X:\2023\IB\04-19-23\GCMS CAL STD MIX MSTI.D
Operator : Isabella Barnett
Acquired : 19 Apr 2023 13:16 using AcqMethod MS DRUGSTI.M
Instrument : Stringbean
Sample Name: GCMS CAL STD MIX MSTI
Misc Info : MEOH, Exp.03-20-24
Vi Number: 0

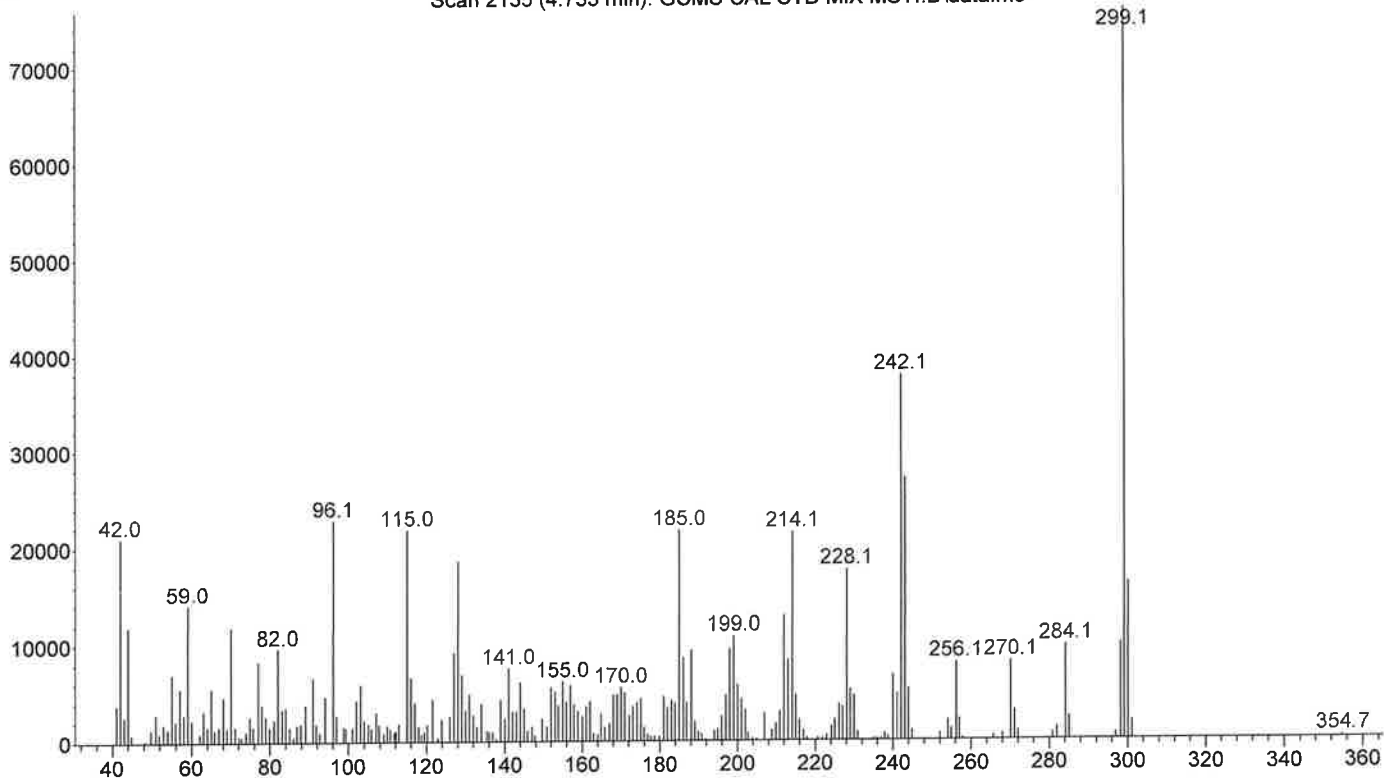
Abundance

TIC: GCMS CAL STD MIX MSTI.D\data.ms



Abundance

Scan 2135 (4.733 min): GCMS CAL STD MIX MSTI.D\data.ms

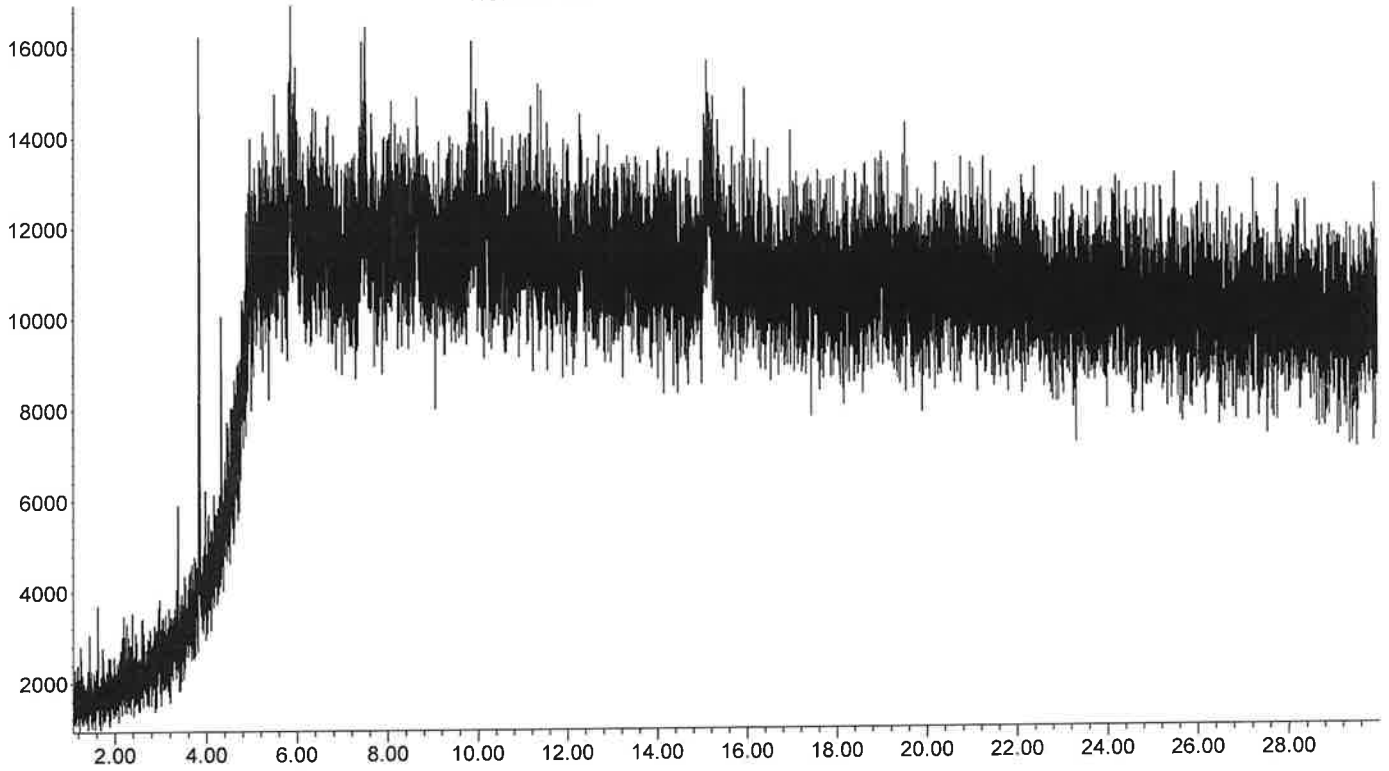


File :X:\2023\IB\04-20-23\BUPRENORPHINE STD BLANK MSTI.D
Operator : Isabella Barnett
Acquired : 20 Apr 2023 09:39 using AcqMethod MSDRUGSTI.M
Instrument : Stringbean
Sample Name: BUPRENORPHINE STD BLANK MSTI
Misc Info : MEOH
Vial Number: 1

412

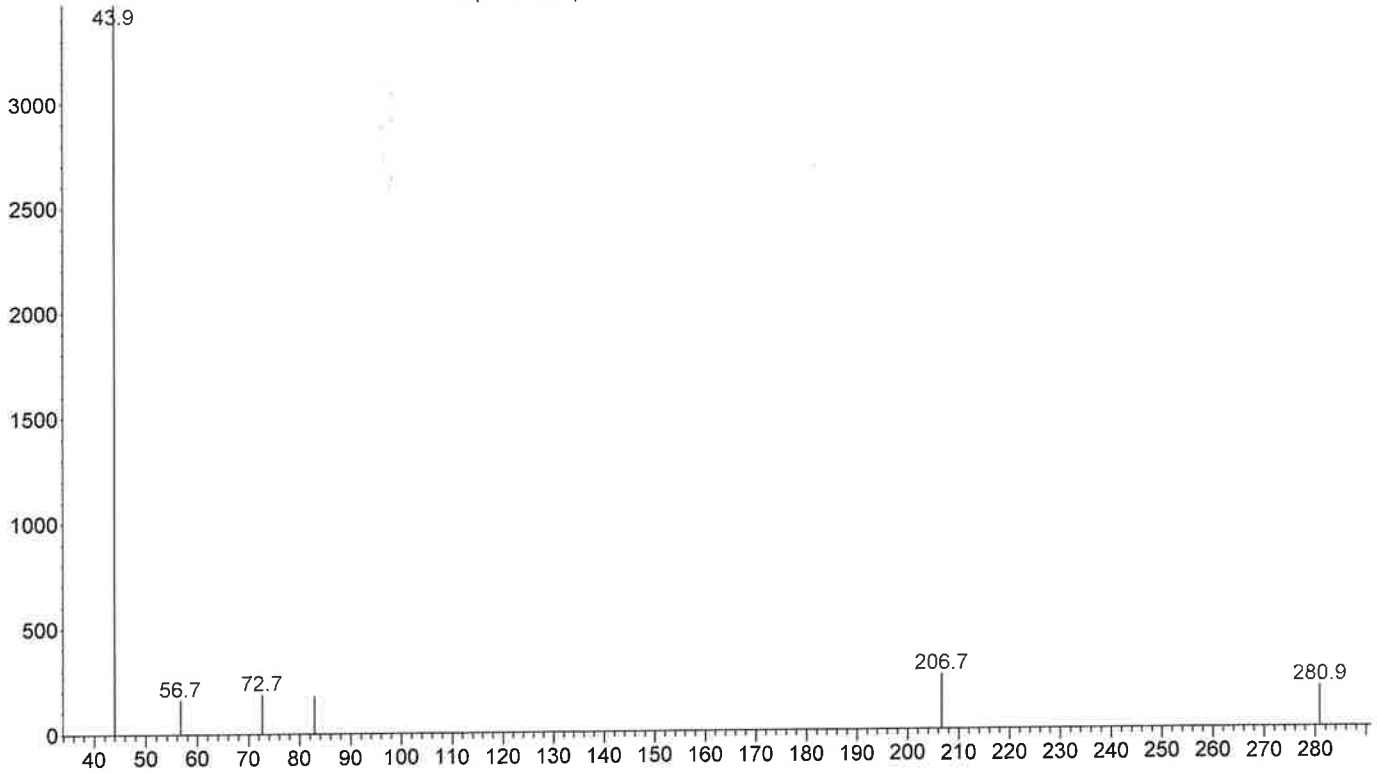
Abundance

TIC: BUPRENORPHINE STD BLANK MSTI.D\data.ms

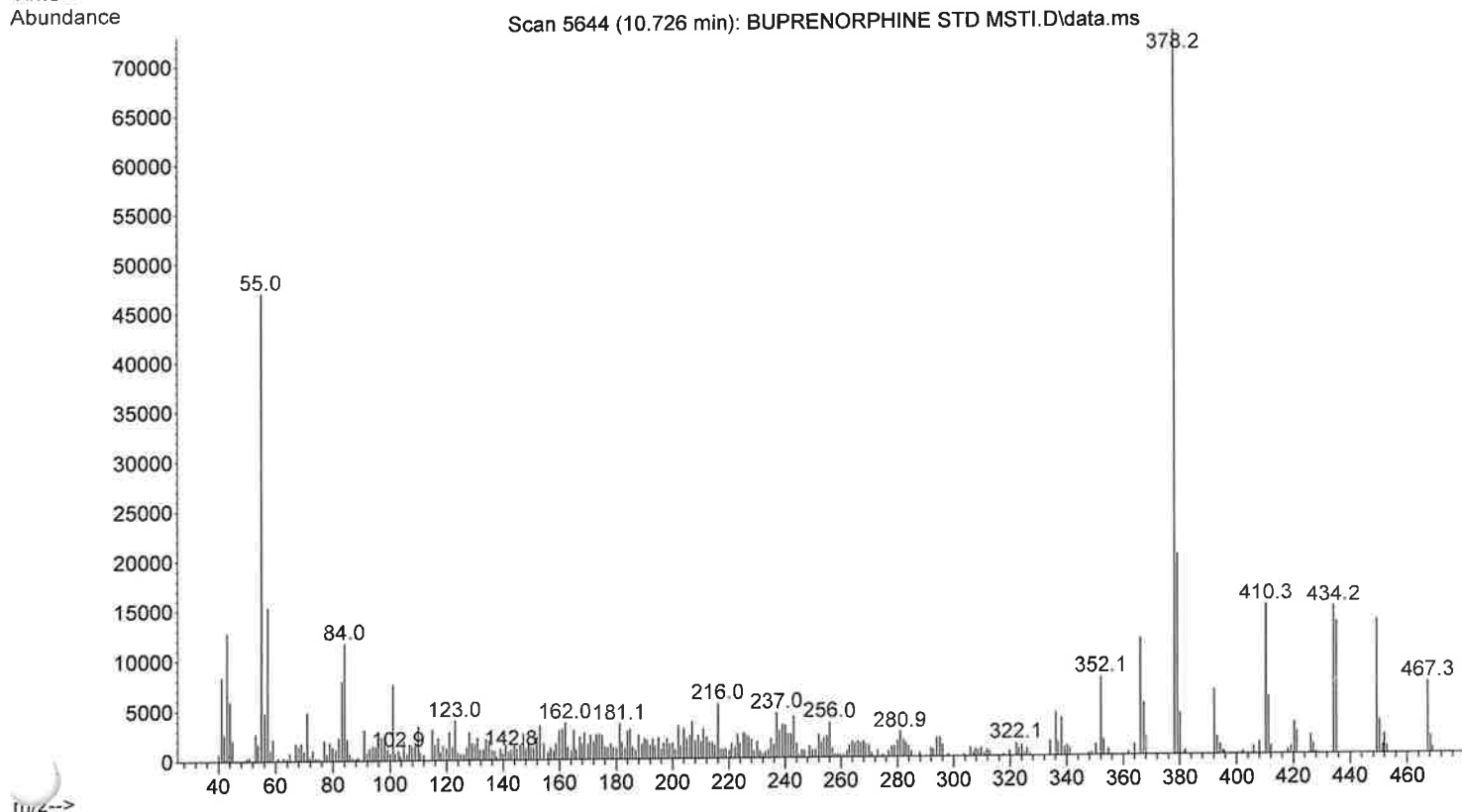
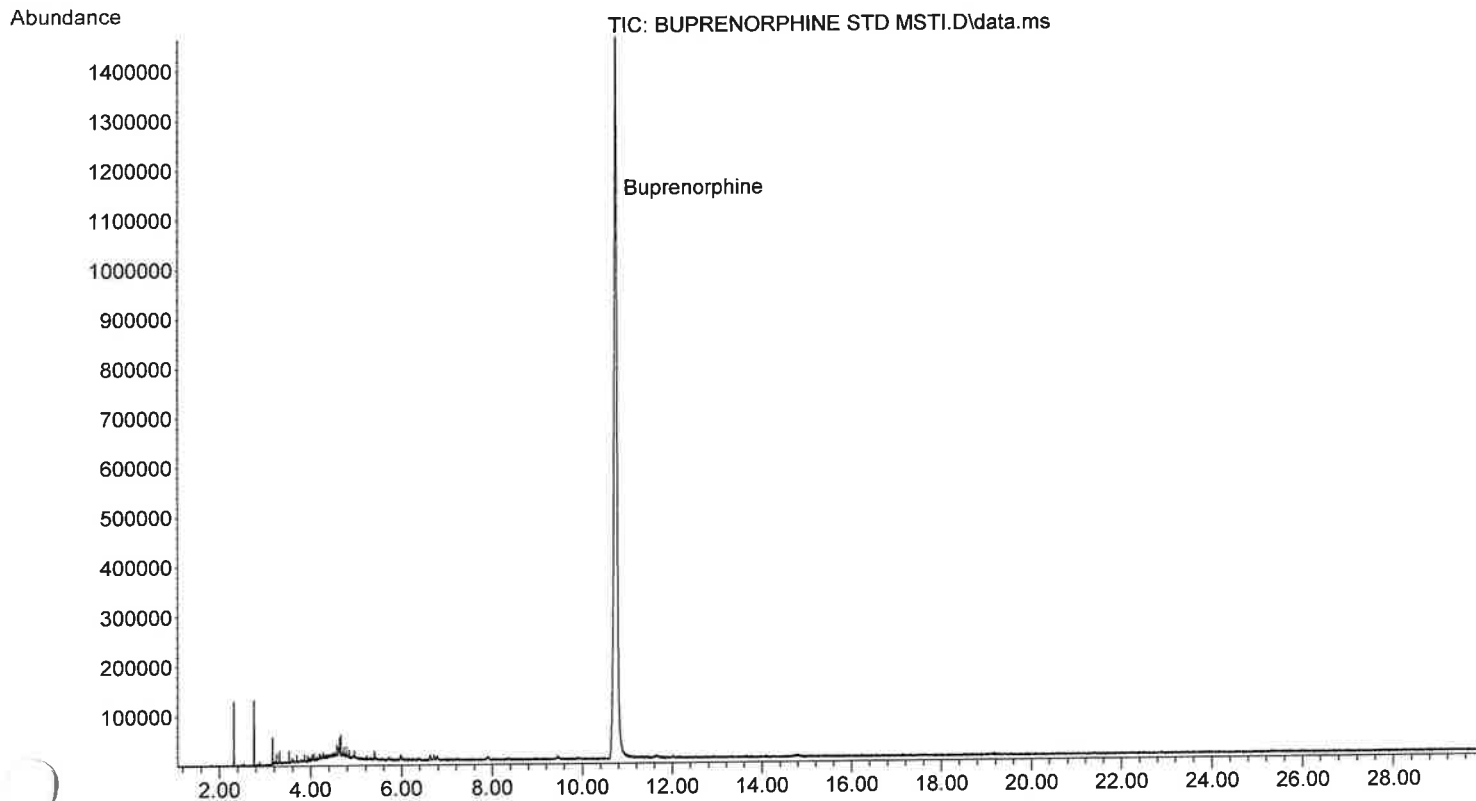


Abundance

Scan 1634 (3.877 min): BUPRENORPHINE STD BLANK MSTI.D\data.ms



File :X:\2023\IB\04-20-23\BUPRENORPHINE STD MSTI.D
Operator : Isabella Barnett
Acquired : 20 Apr 2023 10:13 using AcqMethod MSDRUGSTI.M
Instrument : Stringbean
Sample Name: BUPRENORPHINE STD MSTI
Misc Info : MEOH, Cerilliant, LotFE03191903, Exp.06-24
Vial Number: 1

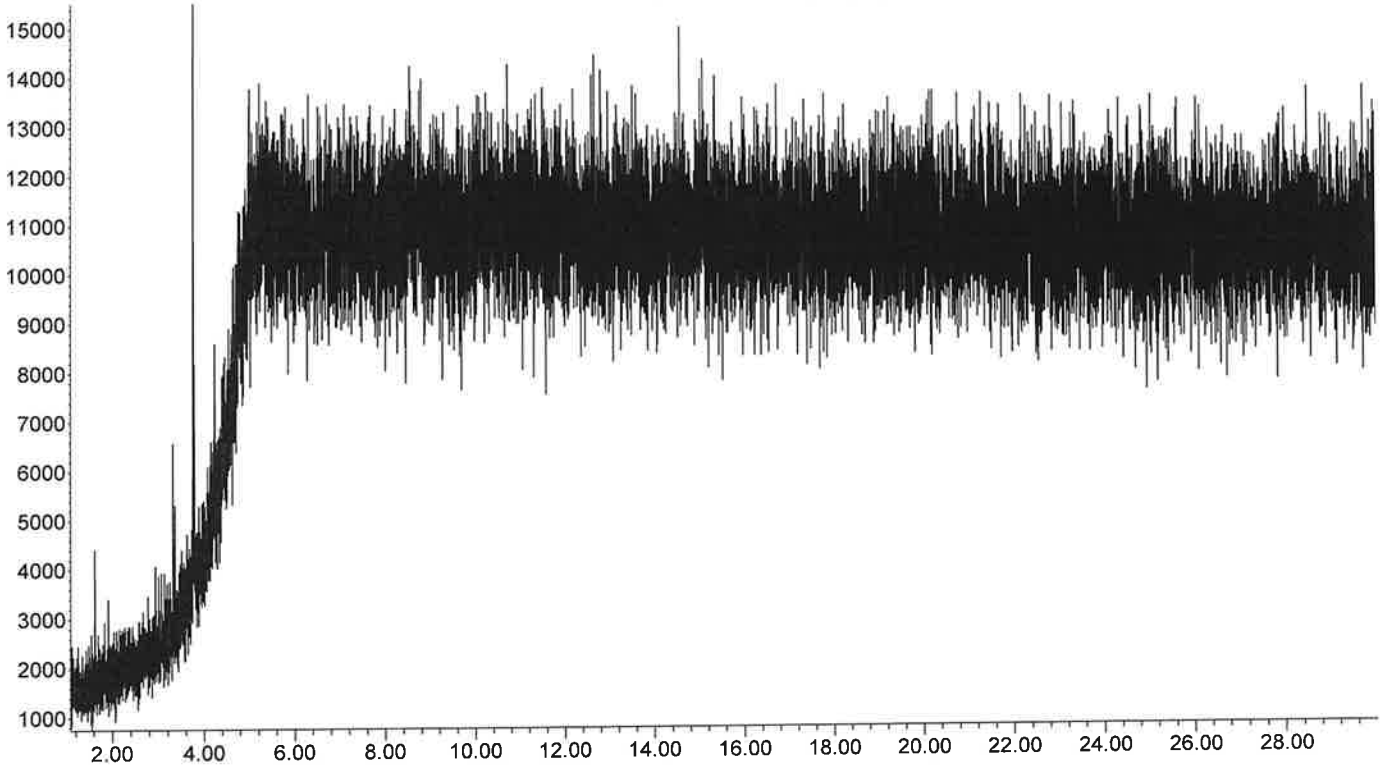


File :X:\2023\IB\04-20-23\THPFF4 MIX STD BLANK MSTI.D
Operator : Isabella Barnett
Acquired : 20 Apr 2023 10:58 using AcqMethod MSDRUGSTI.M
Instrument : Stringbean
Sample Name: THPFF4 MIX STD BLANK MSTI
Misc Info : MEOH
Vial Number: 1

ck

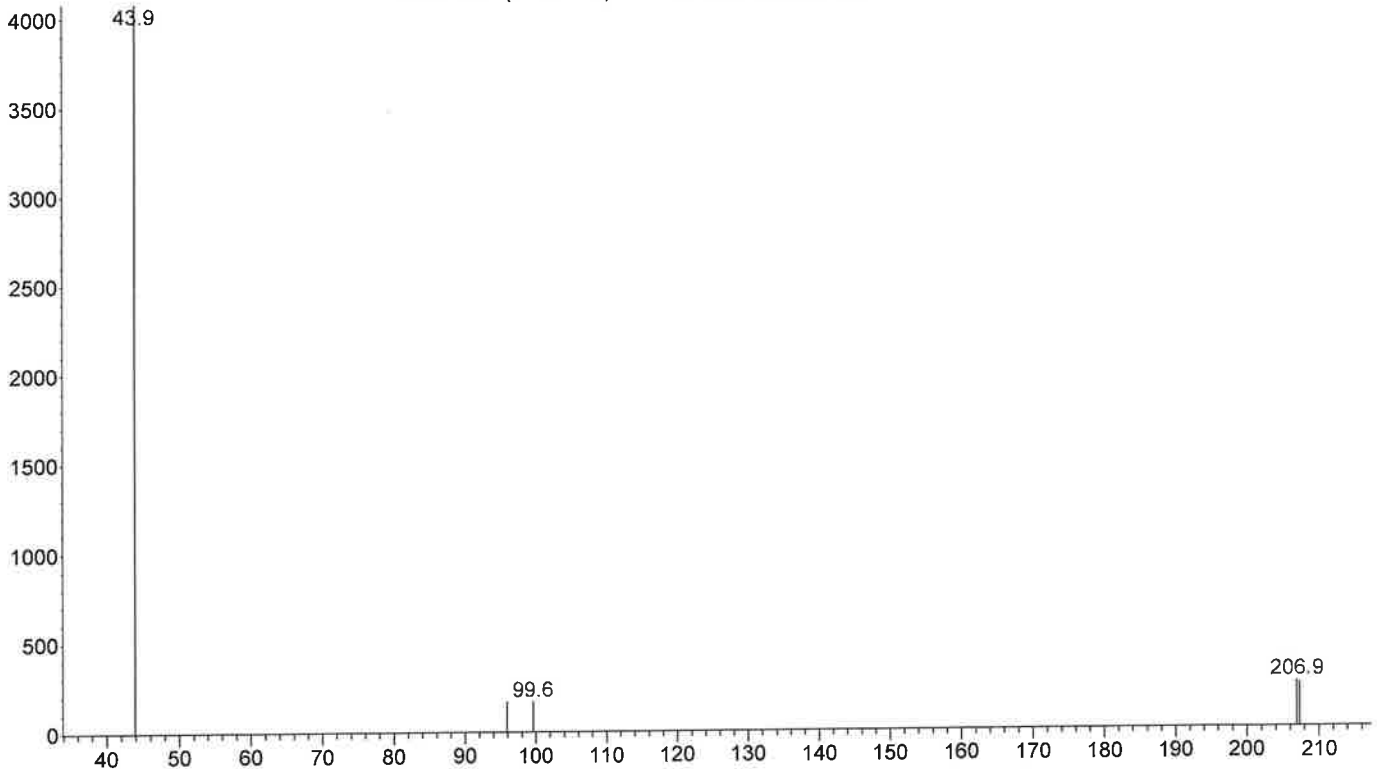
Abundance

TIC: THPFF4 MIX STD BLANK MSTI.D\data.ms



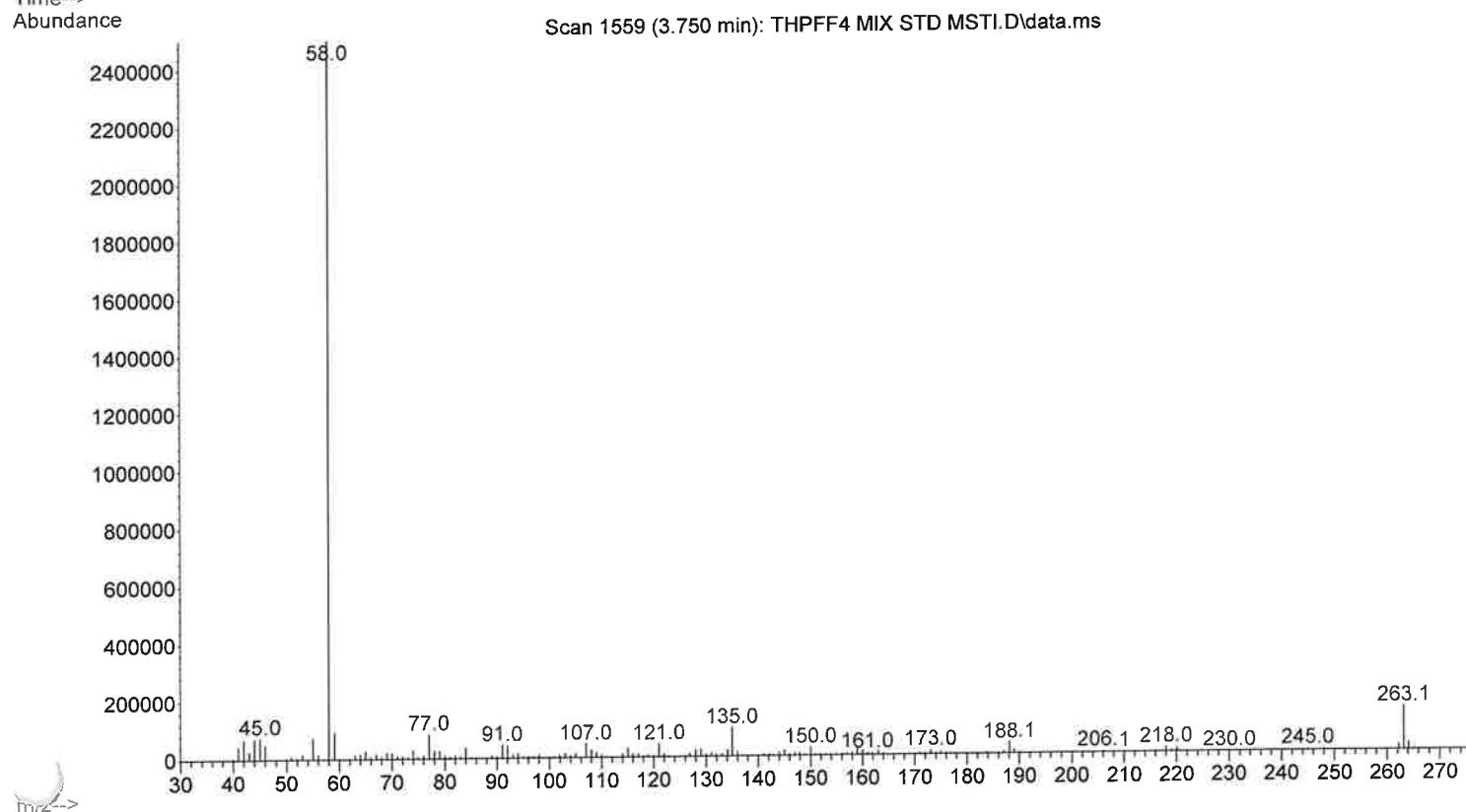
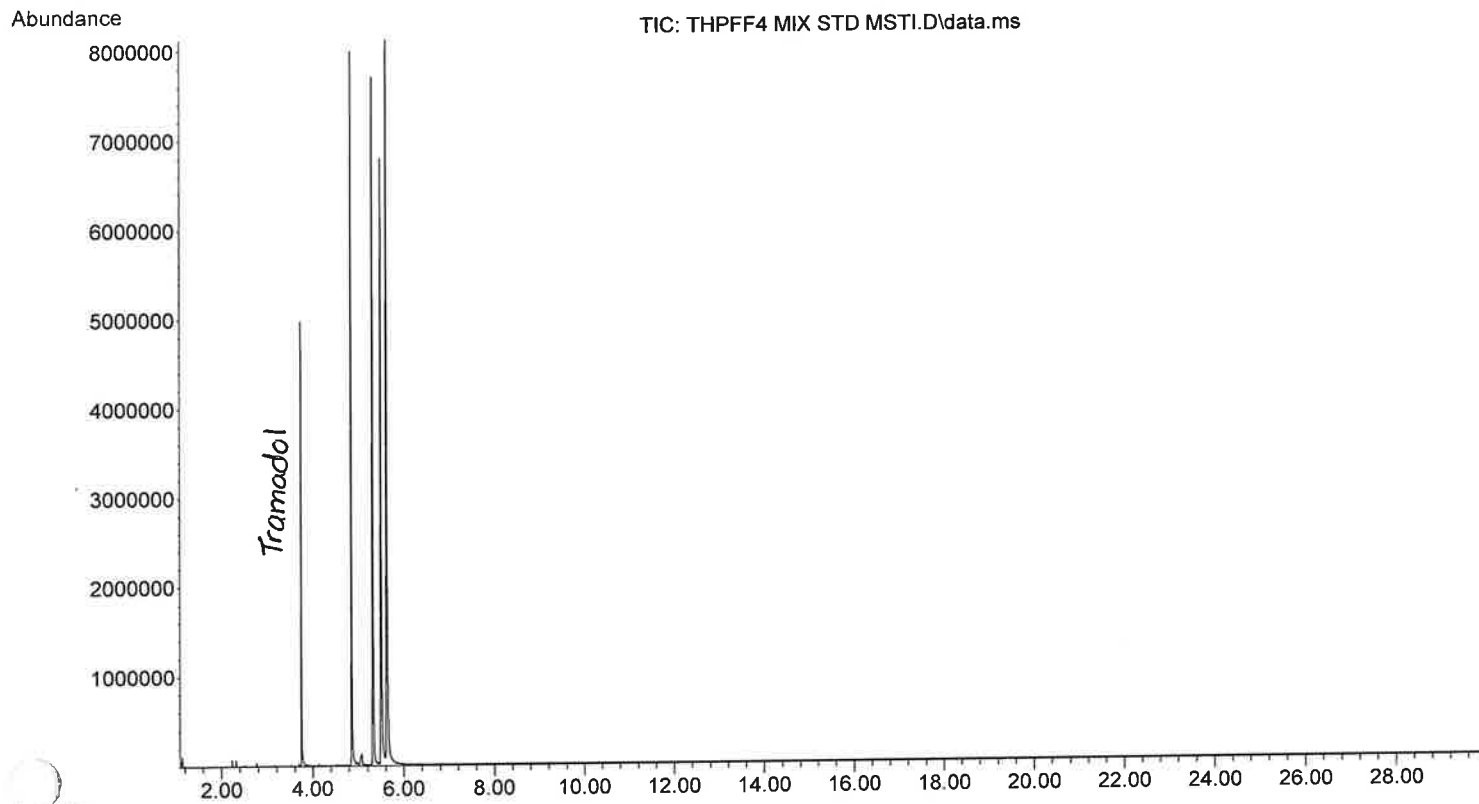
Abundance

Scan 1587 (3.798 min): THPFF4 MIX STD BLANK MSTI.D\data.ms

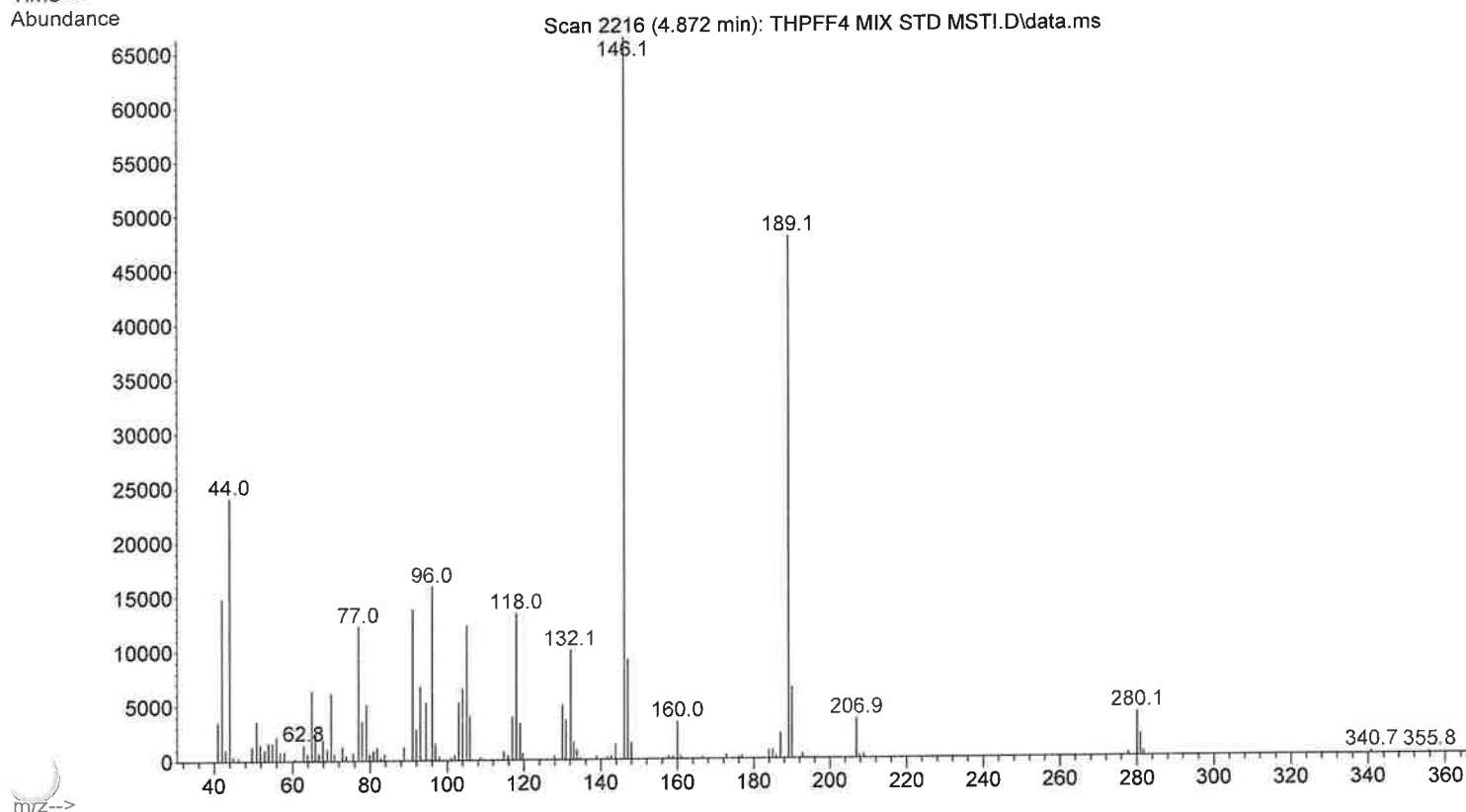
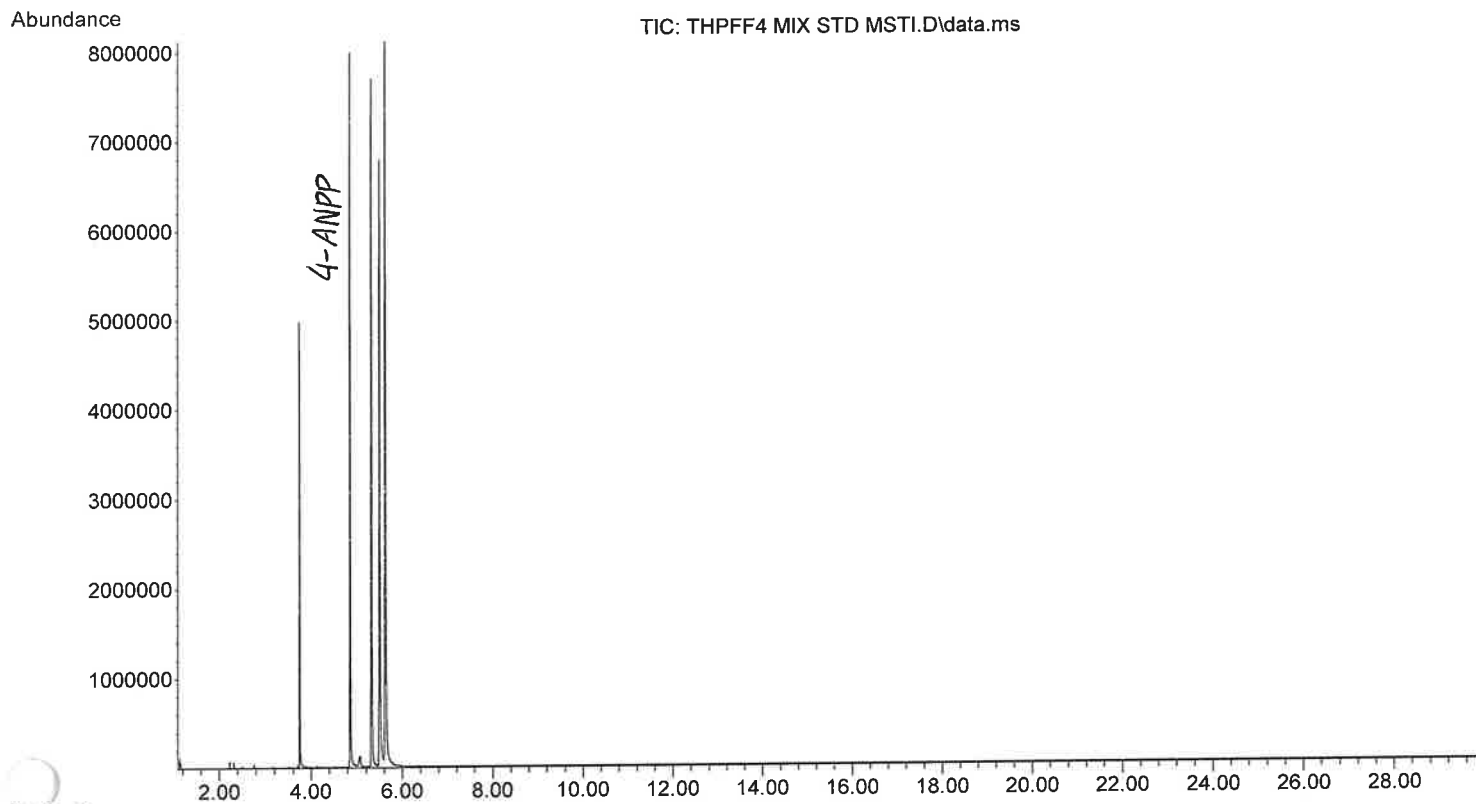


File :X:\2023\IB\04-20-23\THPFF4 MIX STD MSTI.D
Operator : Isabella Barnett
Acquired : 20 Apr 2023 11:32 using AcqMethod MSDRUGSTI.M
Instrument : Stringbean
Sample Name: THPFF4 MIX STD MSTI
Misc Info : MEOH, Exp. 03-22-24
Vial Number: 1

all

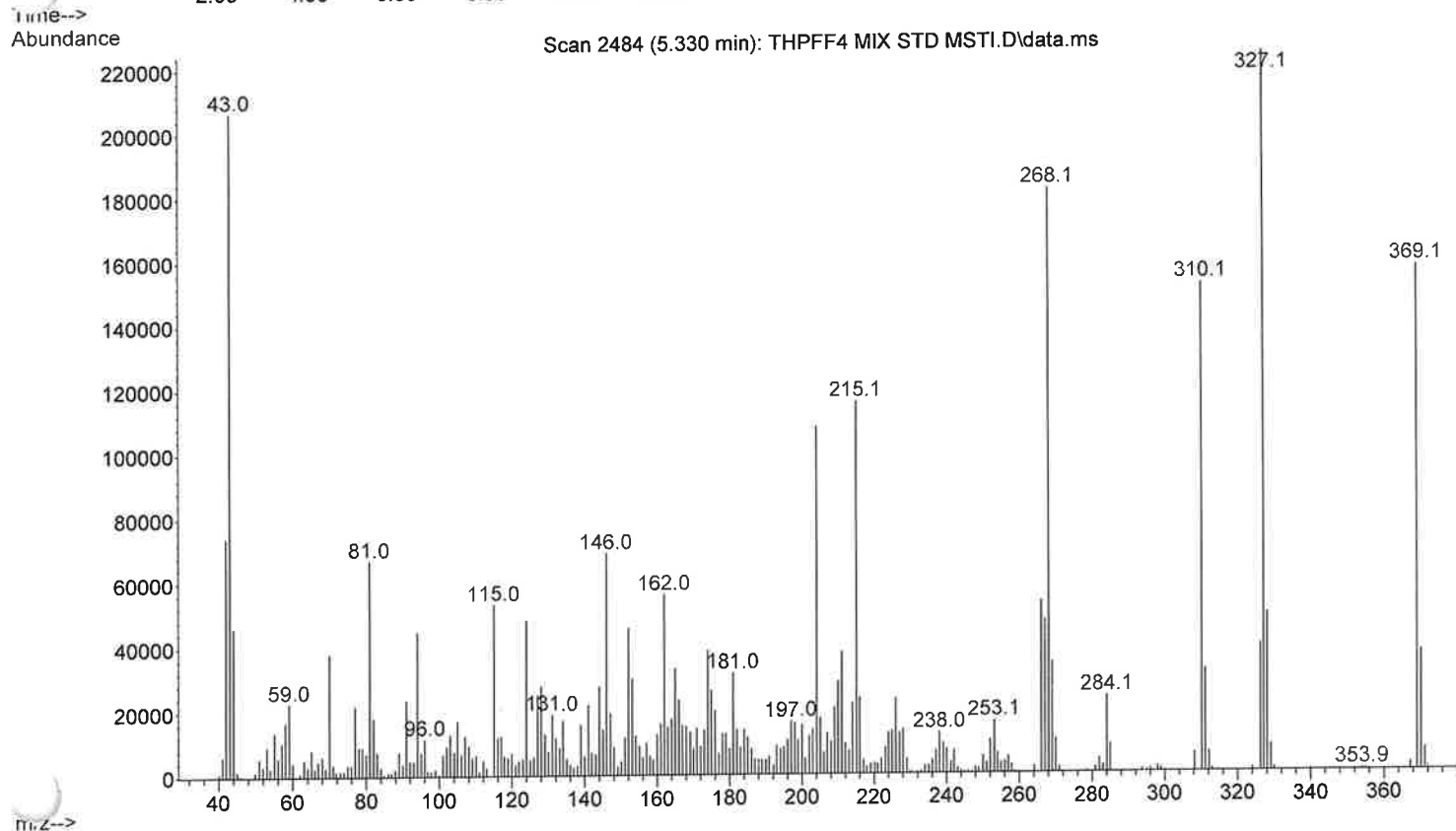
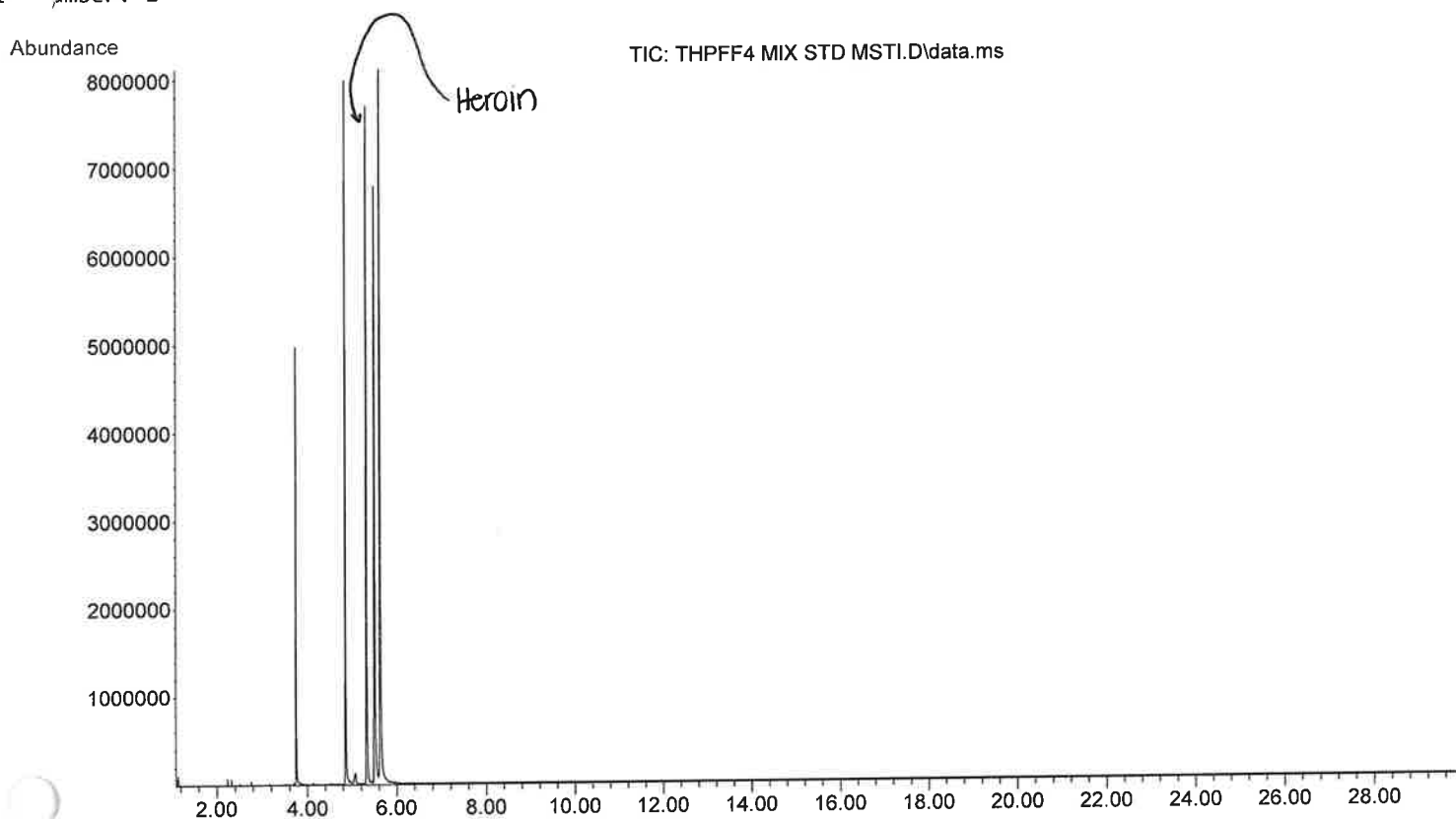


File :X:\2023\IB\04-20-23\THPFF4 MIX STD MSTI.D
Operator : Isabella Barnett
Acquired : 20 Apr 2023 11:32 using AcqMethod MSBRUGSTI.M
Instrument : Stringbean
Sample Name: THPFF4 MIX STD MSTI
Misc Info : MEOH, Exp.03-22-24
Vial Number: 1



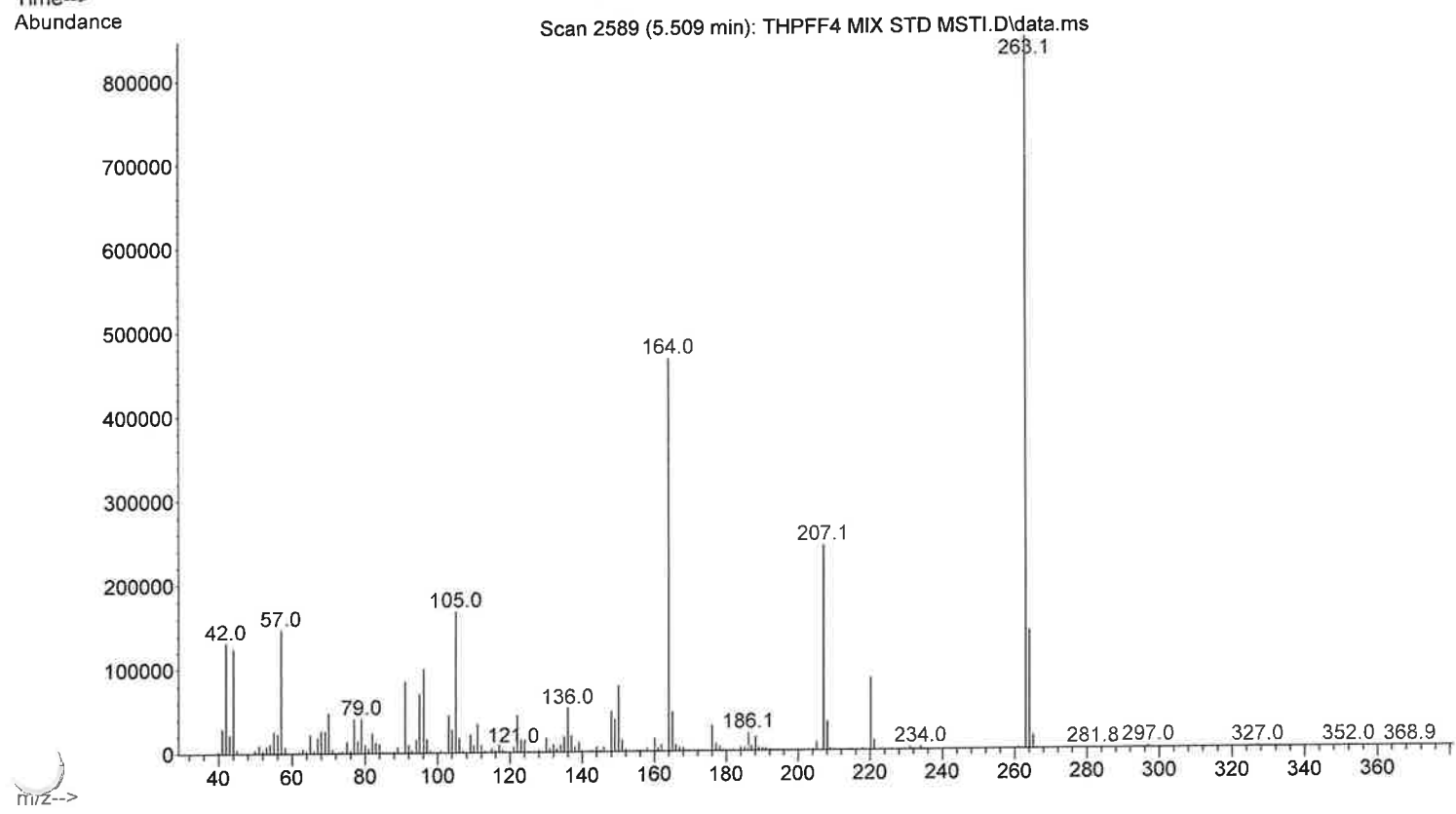
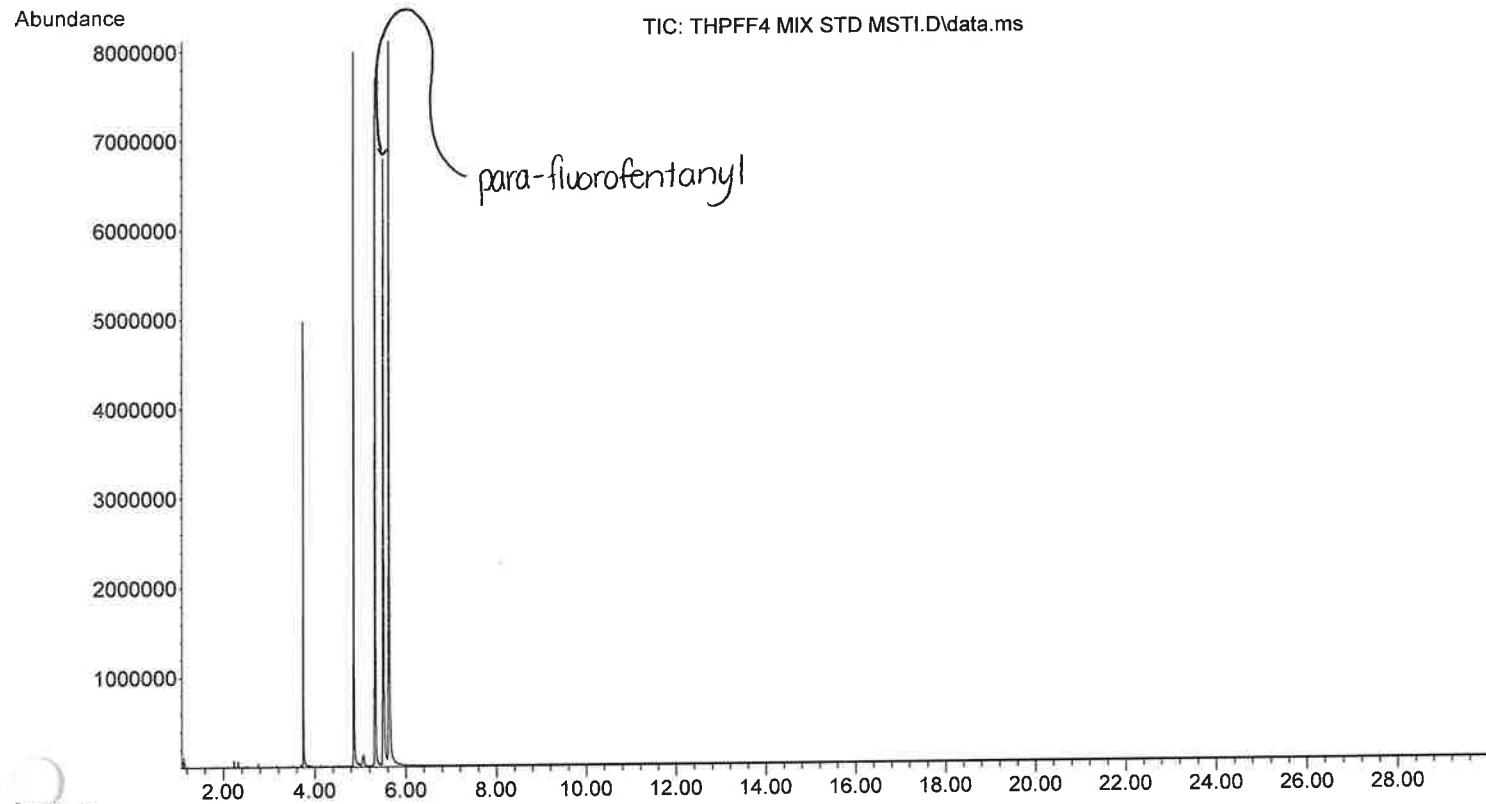
File :X:\2023\IB\04-20-23\THPFF4 MIX STD MSTI.D
Operator : Isabella Barnett
Acquired : 20 Apr 2023 11:32 using AcqMethod MS DRUGSTI.M
Instrument : Stringbean
Sample Name: THPFF4 MIX STD MSTI
Misc Info : MEOH, Exp. 03-22-24
Vial Number: 1

Handwritten signature

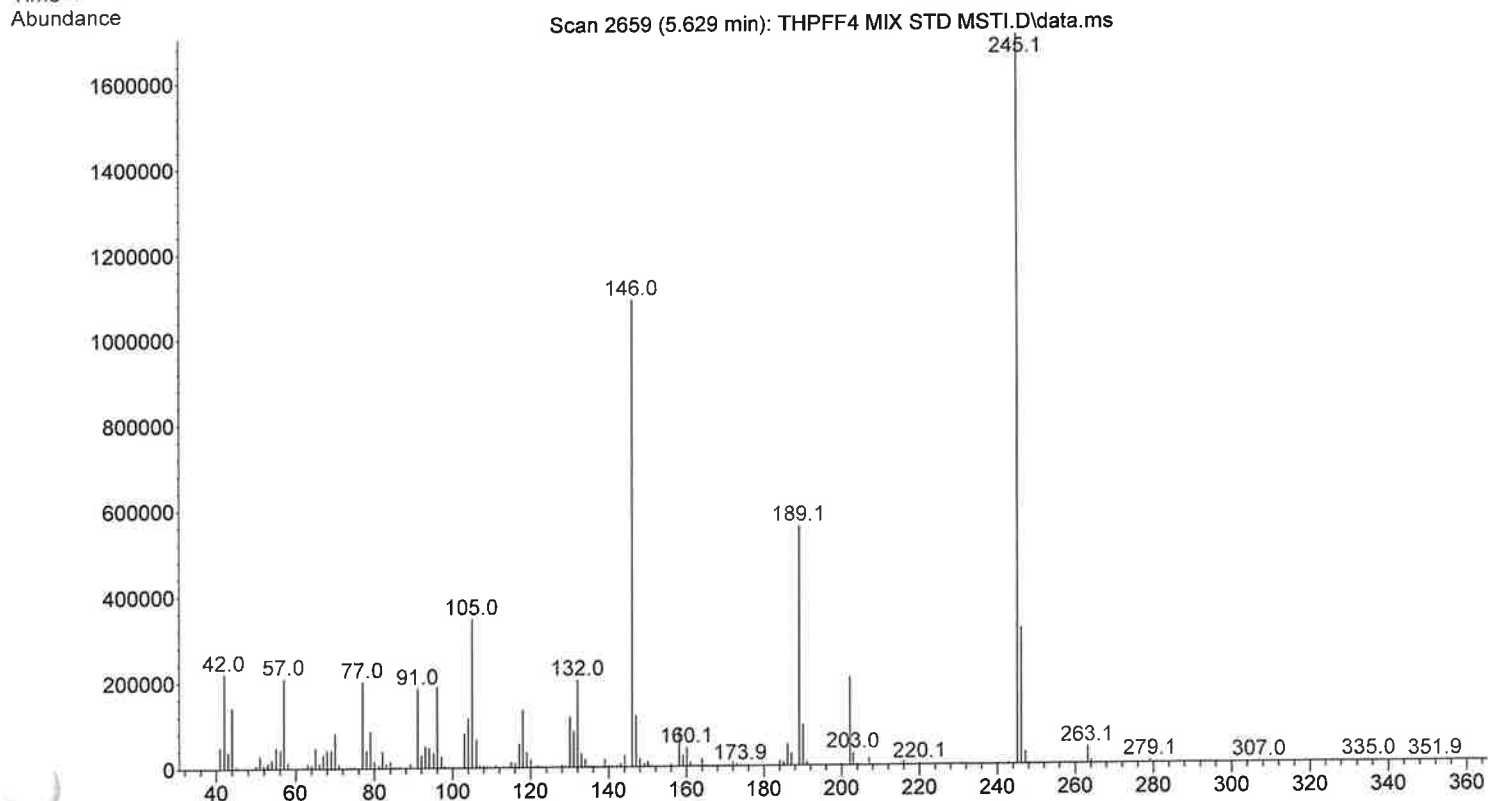
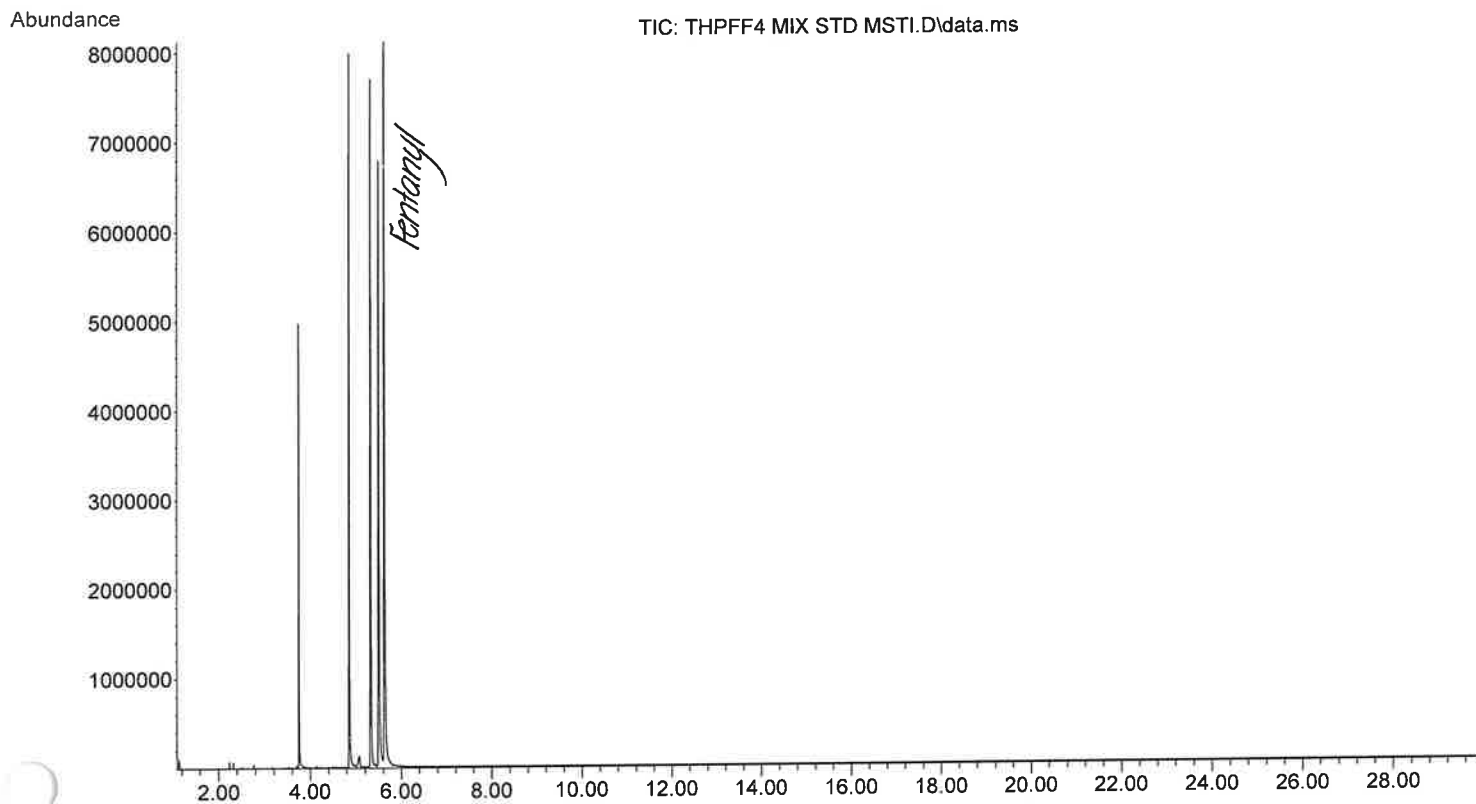


9/15

File :X:\2023\IB\04-20-23\THPFF4 MIX STD MSTI.D
Operator : Isabella Barnett
Acquired : 20 Apr 2023 11:32 using AcqMethod MSDRUGSTI.M
Instrument : Stringbean
Sample Name: THPFF4 MIX STD MSTI
Misc Info : MEOH, Exp.03-22-24
Vial Number: 1



File :X:\2023\IB\04-20-23\THPFF4 MIX STD MSTI.D
Operator : Isabella Barnett
Acquired : 20 Apr 2023 11:32 using AcqMethod MSDRUGSTI.M
Instrument : Stringbean
Sample Name: THPFF4 MIX STD MSTI
Misc Info : MEOH, Exp.03-22-24
Vial Number: 1

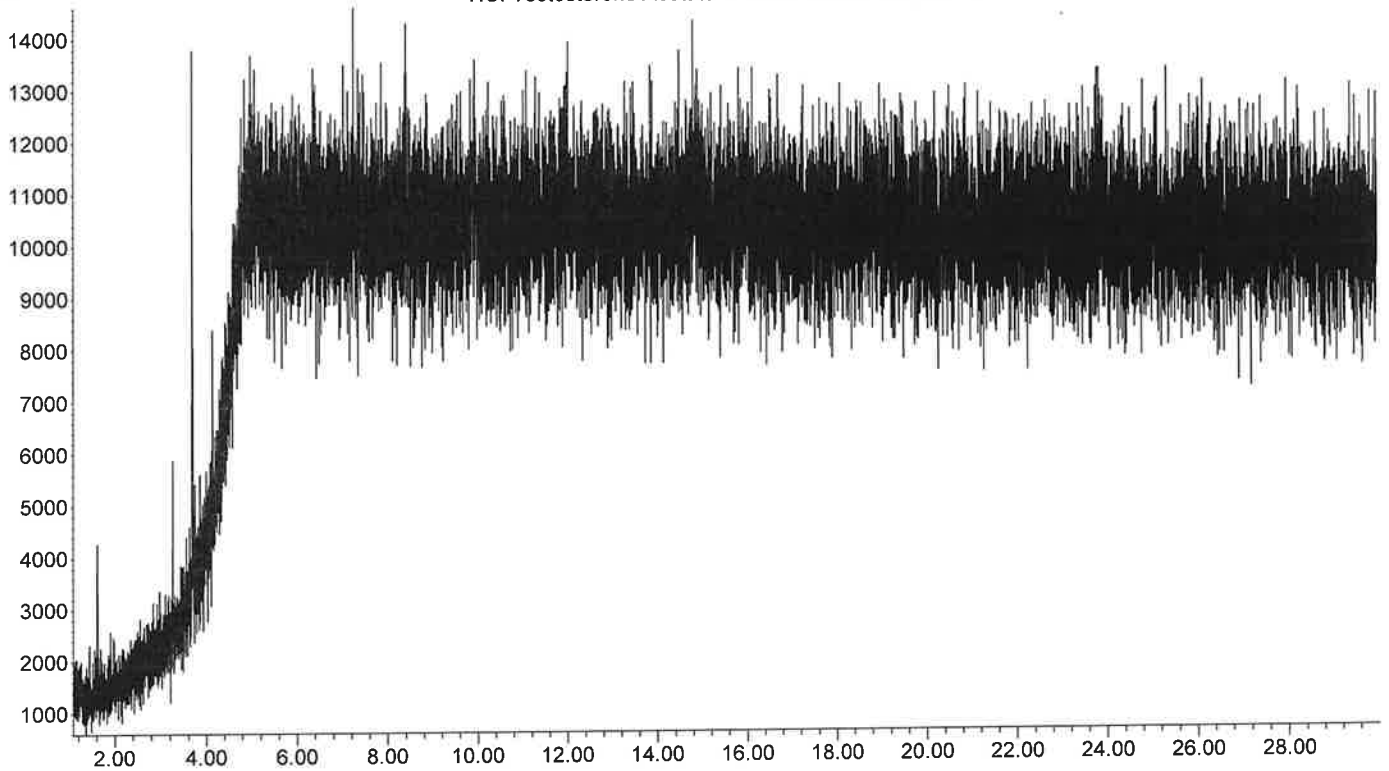


406

File :X:\2023\IB\04-20-23\Testosterone Acetate STD Blank MSTI.D
Operator : Isabella Barnett
Acquired : 20 Apr 2023 12:08 using AcqMethod MSDRUGSTI.M
Instrument : Stringbean
Sample Name: Testosterone Acetate STD Blank MSTI
Misc Info : MEOH
Vial Number: 1

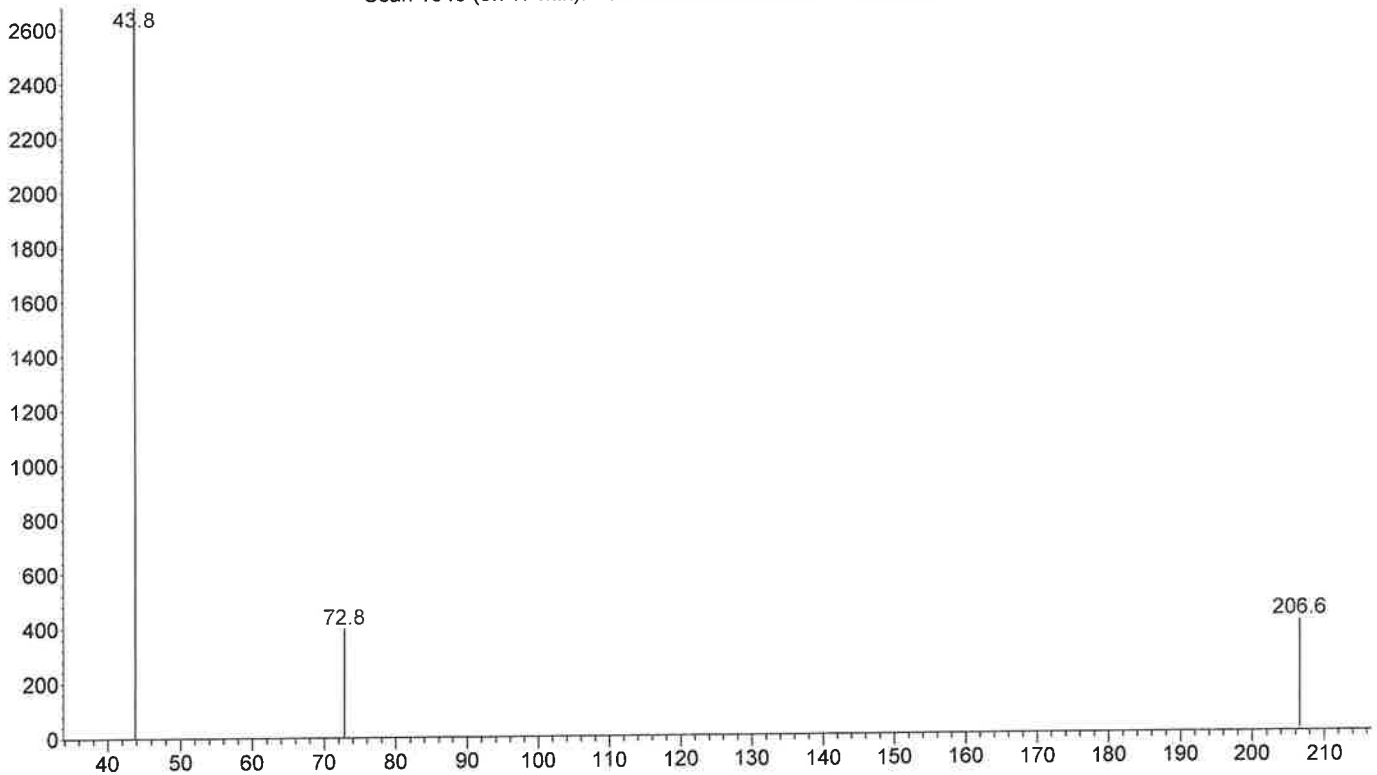
Abundance

TIC: Testosterone Acetate STD Blank MSTI.D\data.ms

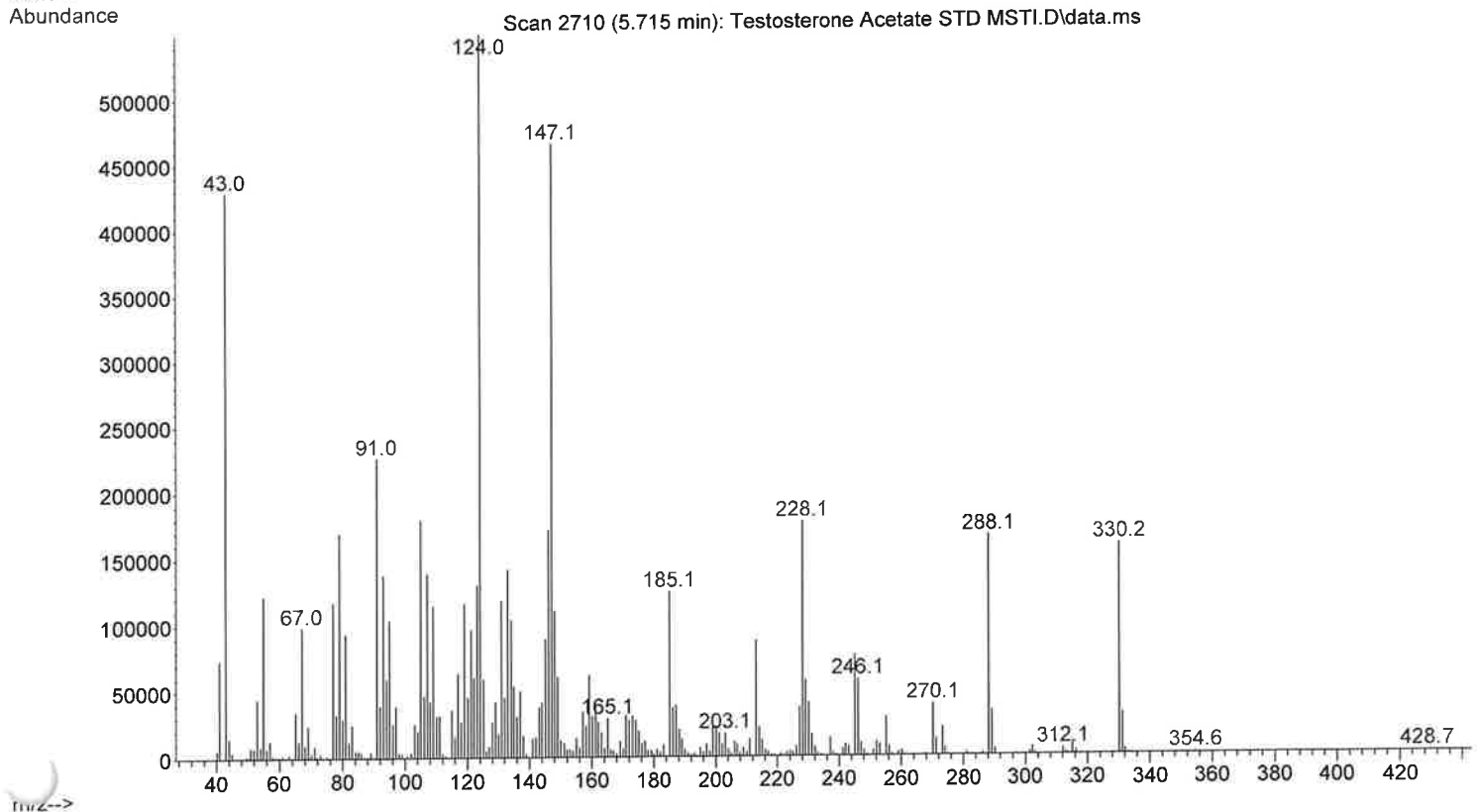
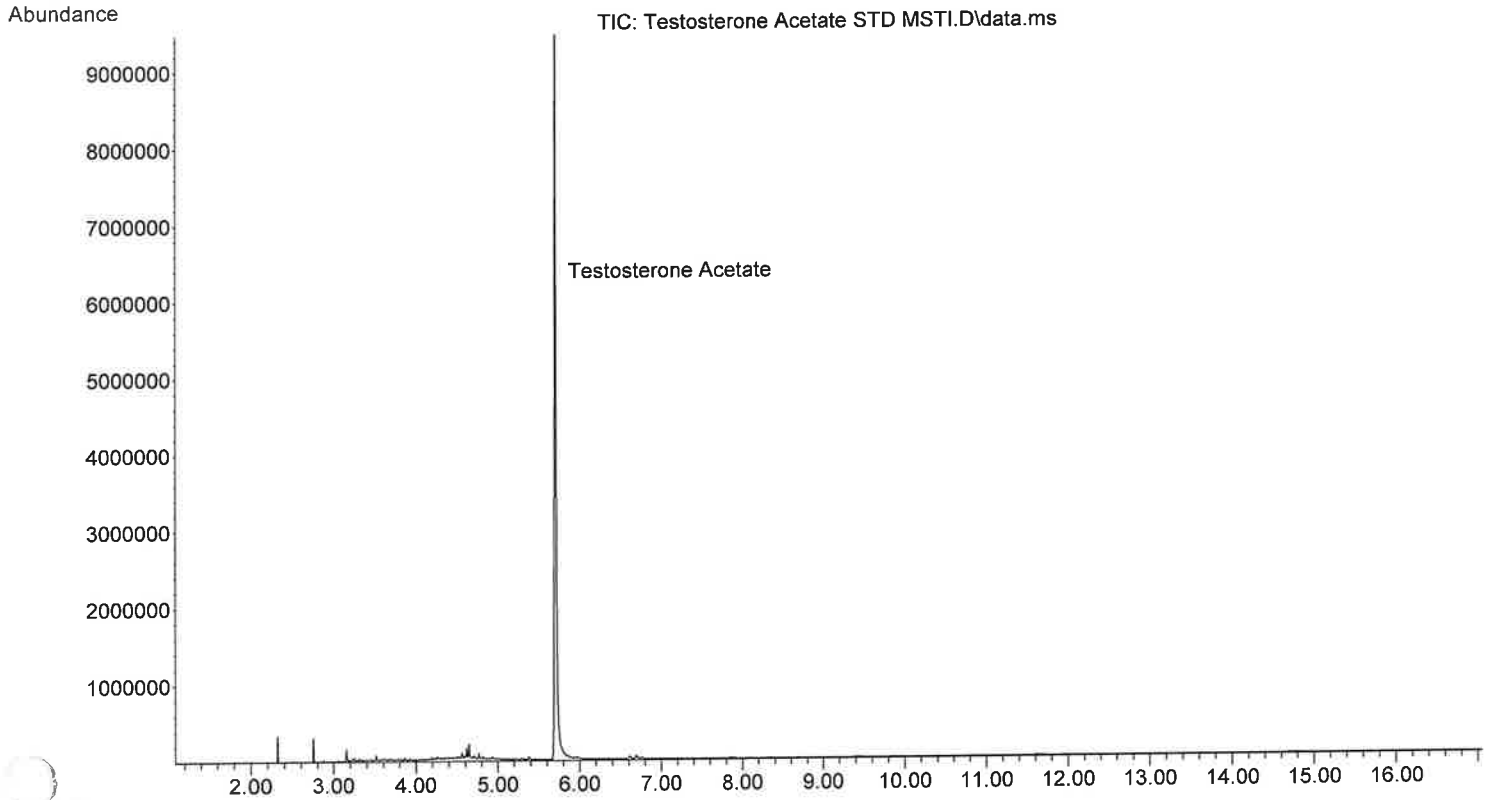


Abundance

Scan 1540 (3.717 min): Testosterone Acetate STD Blank MSTI.D\data.ms



File :X:\2023\IB\04-20-23\Testosterone Acetate STD MSTI.D
Operator : Isabella Barnett
Acquired : 20 Apr 2023 12:41 using AcqMethod MSDRUGSTI.M
Instrument : Stringbean
Sample Name: Testosterone Acetate STD MSTI
Misc Info : MEQH, Sigma, Lot19F0299, Exp.02-06-24
Vial Number: 1



METHOD CONTROL PARAMETERS

Method Information for: D:\MassHunter\GCMS\1\methods\MS280ISO.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:

This is manual injection MS 280 Isothermal / 20 minute method.

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	D:\MassHunter\GCMS\1\methods\MS280ISO.M
Tune file	ATUNE.U
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.0
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	6,250 [N=0]

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	40	550

Self-Cleaning Ion Source Parameters

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

D:\MassHunter\GCMS\1\methods\MS280ISO.M
Tue Apr 04 09:17:56 2023

Control Information

Sample Inlet : GC
Injection Source : Manual
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) 280 °C
Hold Time 1 min
Post Run 50 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 19 min

Equilibration Time 0.25 min
Max Temperature 350 °C
Minimum Temperature Override Disabled
W Fan Disabled

ALS
Front 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 0
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 1 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.5 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	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 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	
Helium Conservation Controlled	Off
Mode	Split
Heater	On 250 °C
Pressure	On 17.5 psi
Total Flow	On 44.958 mL/min
Septum Purge Flow	On 3 mL/min
Pre-Run Flow Test	Off
Gas Saver	On 20 mL/min after 3 min
Split Ratio	50 :1
Split Flow	41.136 mL/min
Liner	A Liner has not been selected.
Back SS Inlet He	
Helium Conservation Controlled	Off
Mode	Split
Heater	On 250 °C
Pressure	On 8.5 psi
Total Flow	On 74.698 mL/min
Septum Purge Flow	On 3 mL/min
Pre-Run Flow Test	Off
Gas Saver	Off
Split Ratio	50 :1
Split Flow	70.292 mL/min
Liner	A Liner has not been selected.
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	0.82271 mL/min
Post Run	1 mL/min

Column Information
Description
Temperature Range
Dimensions
Heater
Column lock
(Initial)
Pressure
Flow
Average Velocity
Holdup Time
Control Mode

Agilent 19091S-602
HP-1MS
-60 °C-325 °C (350 °C)
12.5 m x 200 µm x 0.33 µm (Calibrated)
Oven
Unlocked
Front SS Inlet He
MSD
280 °C
17.5 psi
0.82271 mL/min
55.81 cm/sec
0.37329 min
Constant Flow

Column #2
Pressure
Setpoint
(Initial)
Post Run

On
8.5 psi
2.8778 psi

Column Information
Temperature Range
Dimensions
Heater
Column lock
In
Out
(Initial)
Pressure
Flow
Average Velocity
Holdup Time
Control Mode

Agilent 19091S-913
-60 °C-325 °C (350 °C)
15 m x 320 µm x 0.25 µm (Calibrated)
Oven
Unlocked
Back SS Inlet He
Back Detector FID
280 °C
8.5 psi
1.4058 mL/min
41.363 cm/sec
0.6044 min
Constant Pressure

Column Outlet Pressure

0 psi

* Detector FID
Makeup
Heater
H2 Flow
Air Flow
Makeup Flow
Carrier Gas Flow Correction
Flame
Blank Evaluation Setpoints
Perform Blank Evaluation Test

He
On 300 °C
Off
Off
Off
Constant Makeup and Fuel Flow
Off
Off

Helium Conservation
Helium Valve
Nitrogen Valve

Off
Off

Detector Evaluation
Perform Detector Evaluation Test

Off

MSD Transfer Line
Temperature
Setpoint
(Initial)

On
280 °C

Signals
Signal #1:
Description

None

Signal #2:	
Description	None
Signal #3:	
Description	None
Signal #4:	
Description	None
Signal #5:	
Description	None
Signal #6:	
Description	None
Signal #7:	
Description	None
Signal #8:	
Description	None

TUNE PARAMETERS for SN: US2246MS10

Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
29.720	:	REPELLER	
90.331	:	IONFOCUS	
20.181	:	ENTRANCE_LENS	
883.721	:	EMVOLTS	
		913.2	: Actual EMV
		1.00	: GAIN FACTOR
3335.000	:	AMUGAIN	
132.750	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
13.233	:	ENTLENSOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
421.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

DATA ANALYSIS PARAMETERS

Method Name: D:\MassHunter\GCMS\1\methods\MS280ISO.M

Percent Report Settings

Sort By: Signal

Output Destination

Screen: No
Printer: Yes
File: No

Integration Events: AutoIntegrate

Generate Report During Run Method: No

Signal Correlation Window: 0.020

Qualitative Report Settings

Peak Location of Unknown: Apex

Library to Search Minimum Quality

Q:\Instrument Libraries\Current\TBI_DRUG.L 0

Q:\Instrument Libraries\Current\SWGDRUG 3.12.L 0

Q:\Instrument Libraries\Current\CaymanSpectralLibrary.L

Integration Events: AutoIntegrate

Report Type: Summary

Output Destination

Screen: No
Printer: Yes
File: No

Generate Report During Run Method: No

Quantitative Report Settings

Report Type: Summary

Output Destination

Screen: Yes

Printer: No

File: No

Generate Report During Run Method: No

Calibration Last Updated:

Reference Window: 10.00 Percent

Non-Reference Window: 5.00 Percent

Correlation Window: 0.02 minutes

Default Multiplier: 1.00

Default Sample Concentration: 0.00

Compound Information

*** Empty Quantitation Database ***

END OF DATA ANALYSIS PARAMETERS

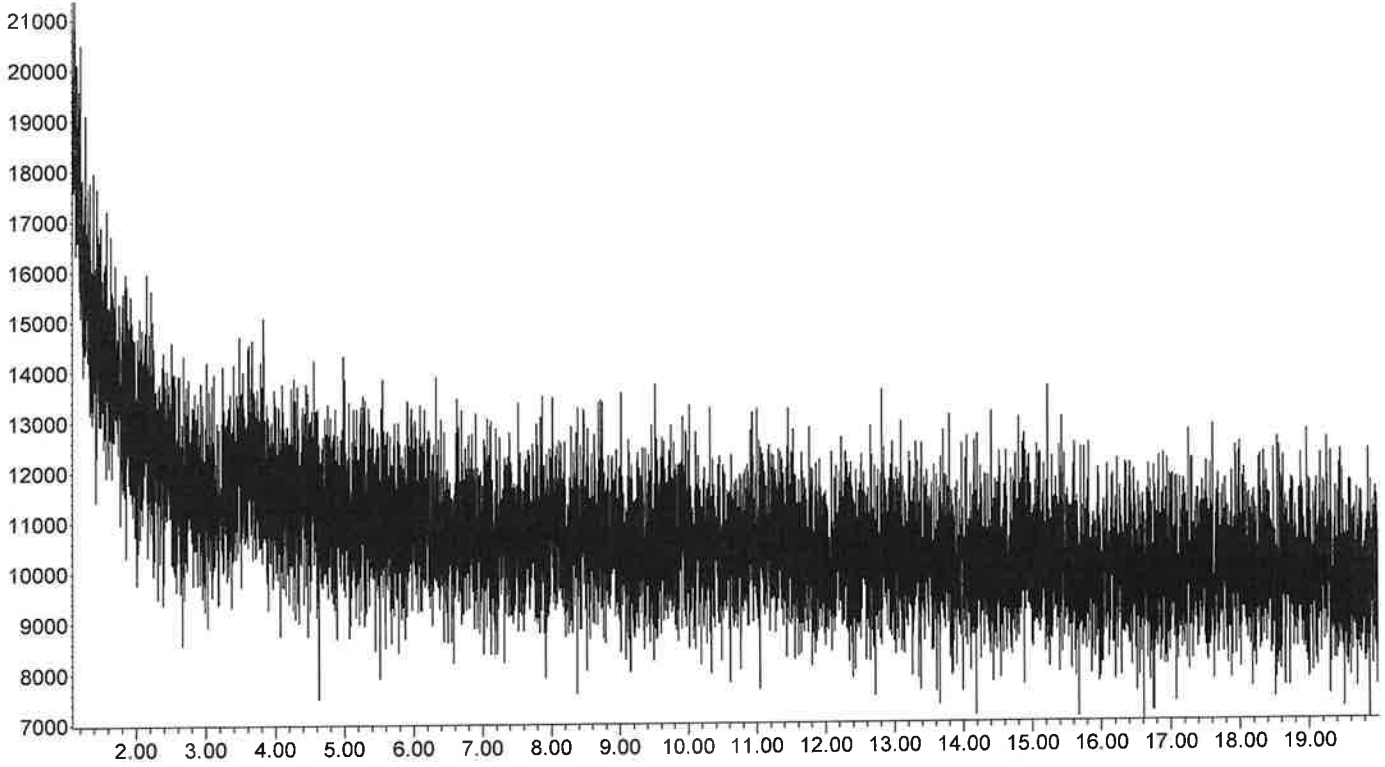
Tue Apr 04 09:17:58 2023

File :X:\2023\IB\04-19-23\GCMS CAL STD MIX BLANK MS280ISO.D
Operator : Isabella Barnett
Acquired : 19 Apr 2023 11:01 using AcqMethod MS280ISO.M
Instrument : Stringbean
Sample Name: GCMS CAL STD MIX BLANK MS280ISO
Misc Info : MEOH
Vial Number: 0

IB

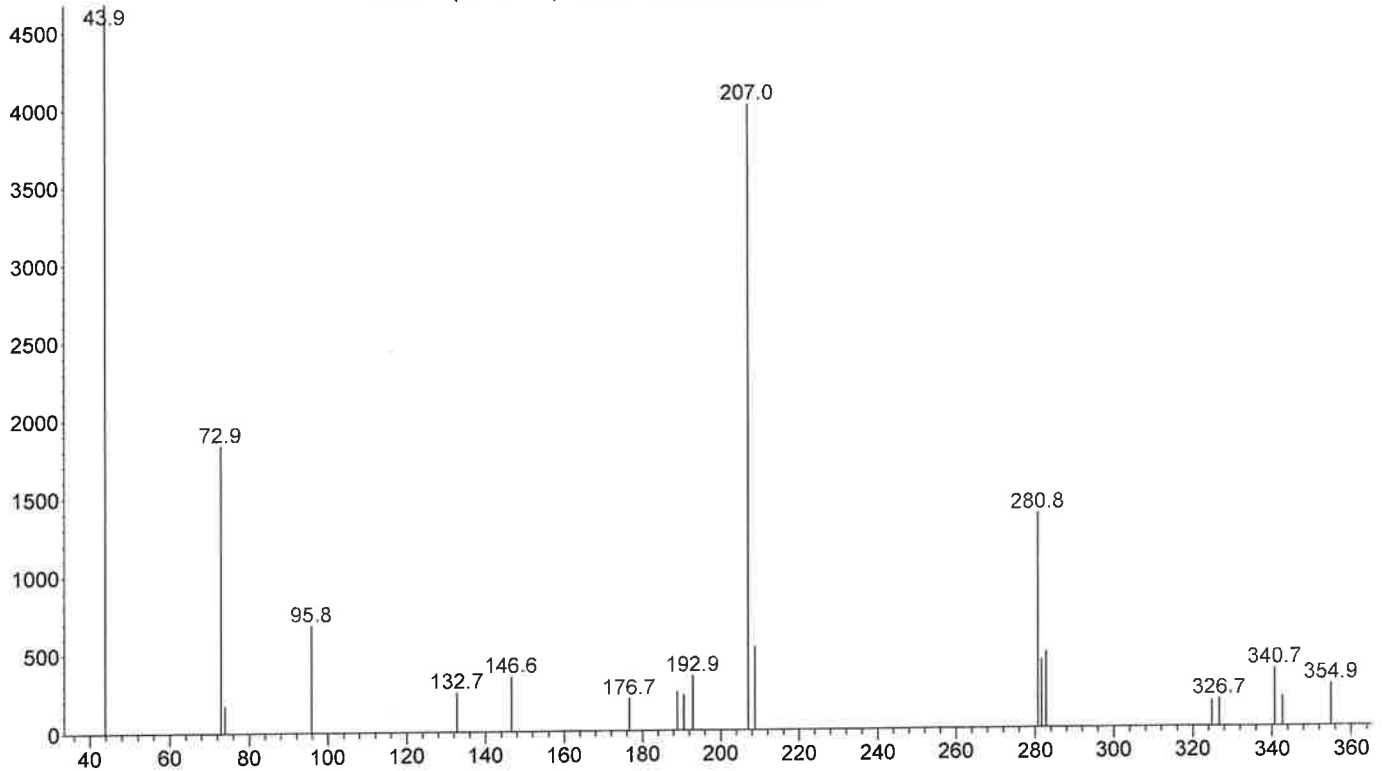
Abundance

TIC: GCMS CAL STD MIX BLANK MS280ISO.D\data.ms



Abundance

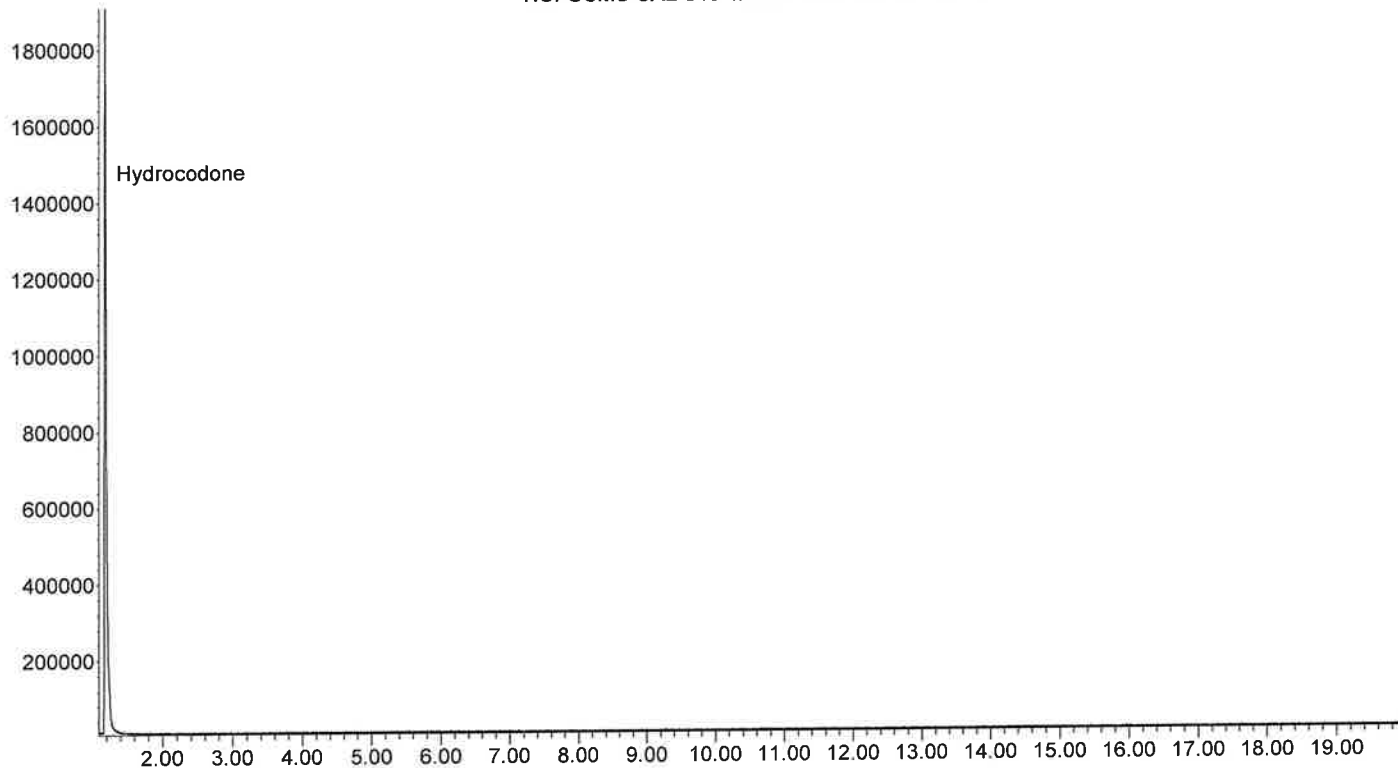
Scan 92 (1.244 min): GCMS CAL STD MIX BLANK MS280ISO.D\data.ms



File :X:\2023\IB\04-19-23\GCMS CAL STD MIX MS280ISO.D
Operator : Isabella Barnett
Acquired : 19 Apr 2023 11:23 using AcqMethod MS280ISO.M
Instrument : Stringbean
Sample Name: GCMS CAL STD MIX MS280ISO
Misc Info : ME OH, Exp. 03-20-24
Vi: umber: 0

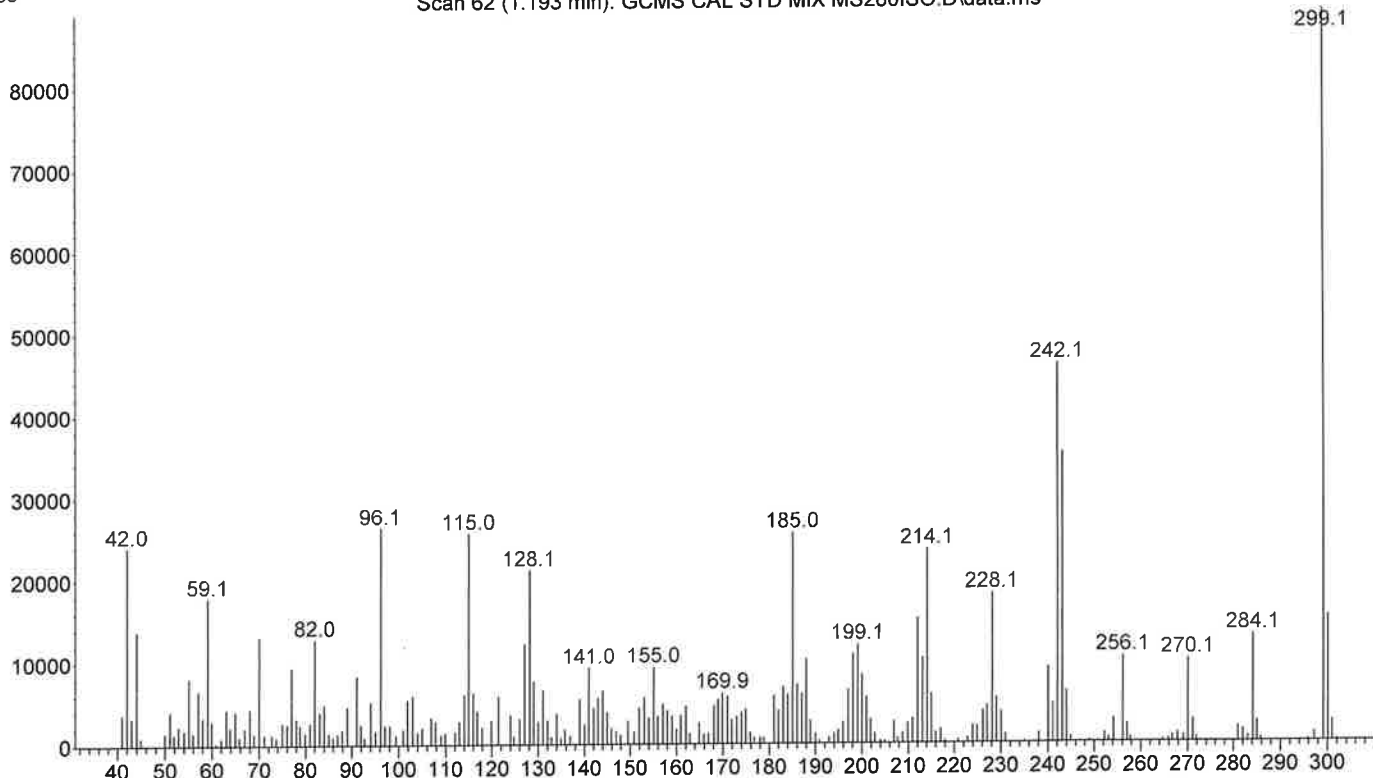
Abundance

TIC: GCMS CAL STD MIX MS280ISO.D\data.ms



Abundance

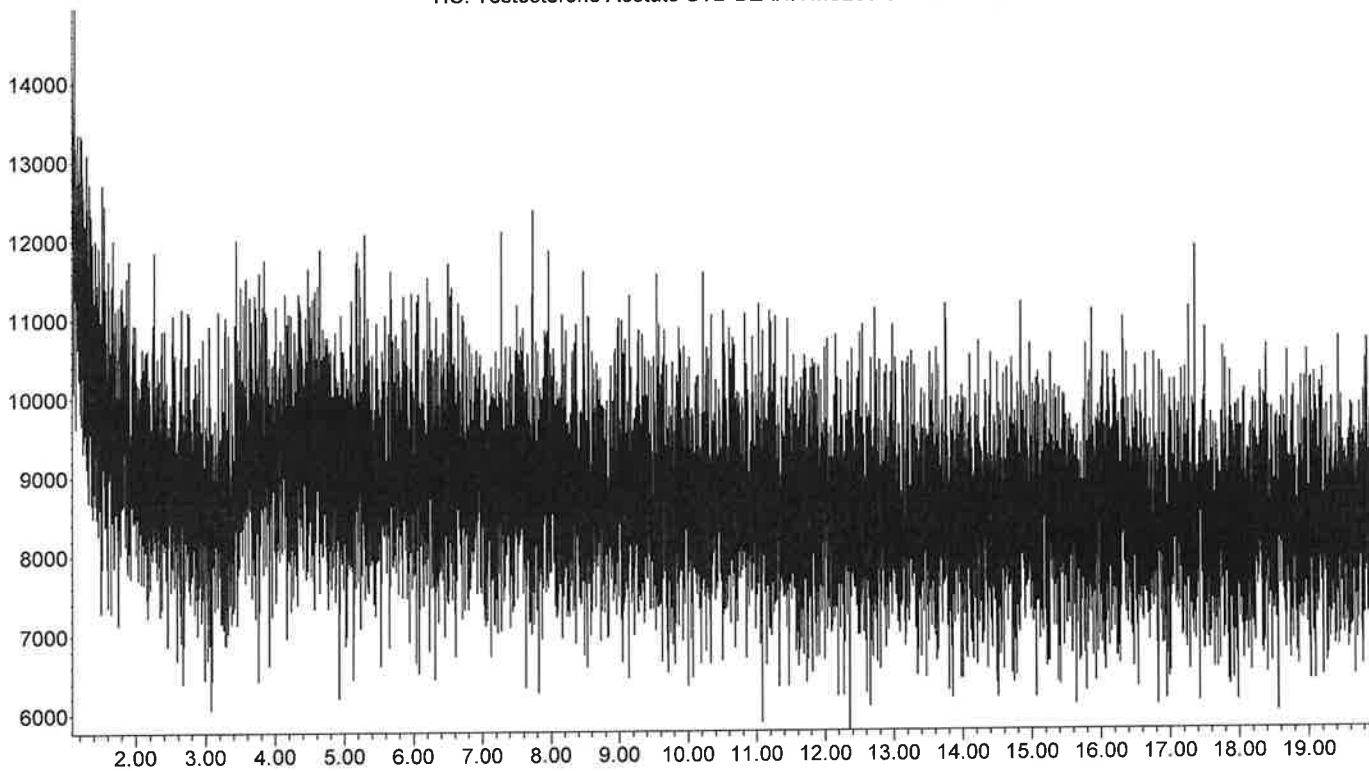
Scan 62 (1.193 min): GCMS CAL STD MIX MS280ISO.D\data.ms



File :X:\2023\IB\04-19-23\Testosterone Acetate STD BLANK MS280ISO.D
Operator : Isabella Barnett
Acquired : 19 Apr 2023 11:53 using AcqMethod MS280ISO.M
Instrument : Stringbean
Sample Name: Testosterone Acetate STD BLANK MS280ISO
Misc Info : MEOH
Vial Number: 0

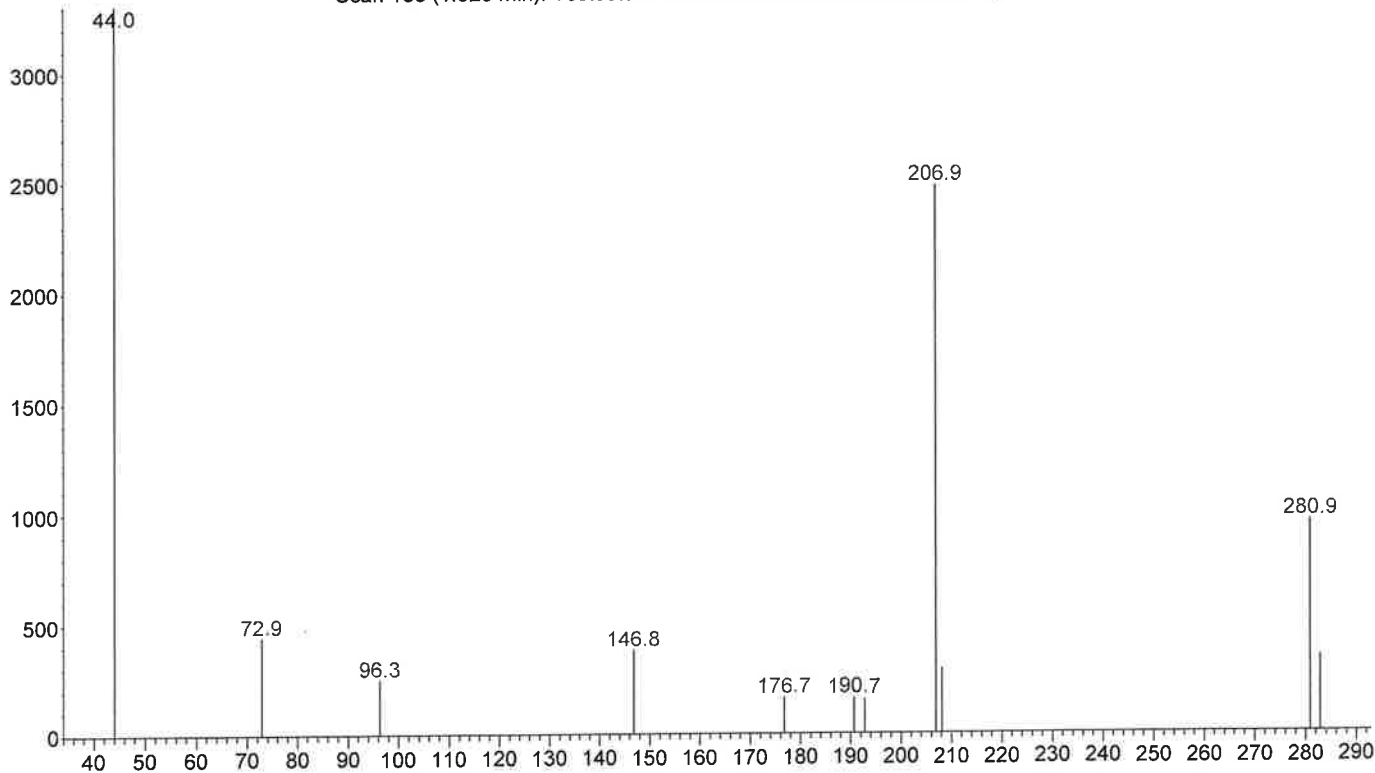
Abundance

TIC: Testosterone Acetate STD BLANK MS280ISO.D\data.ms

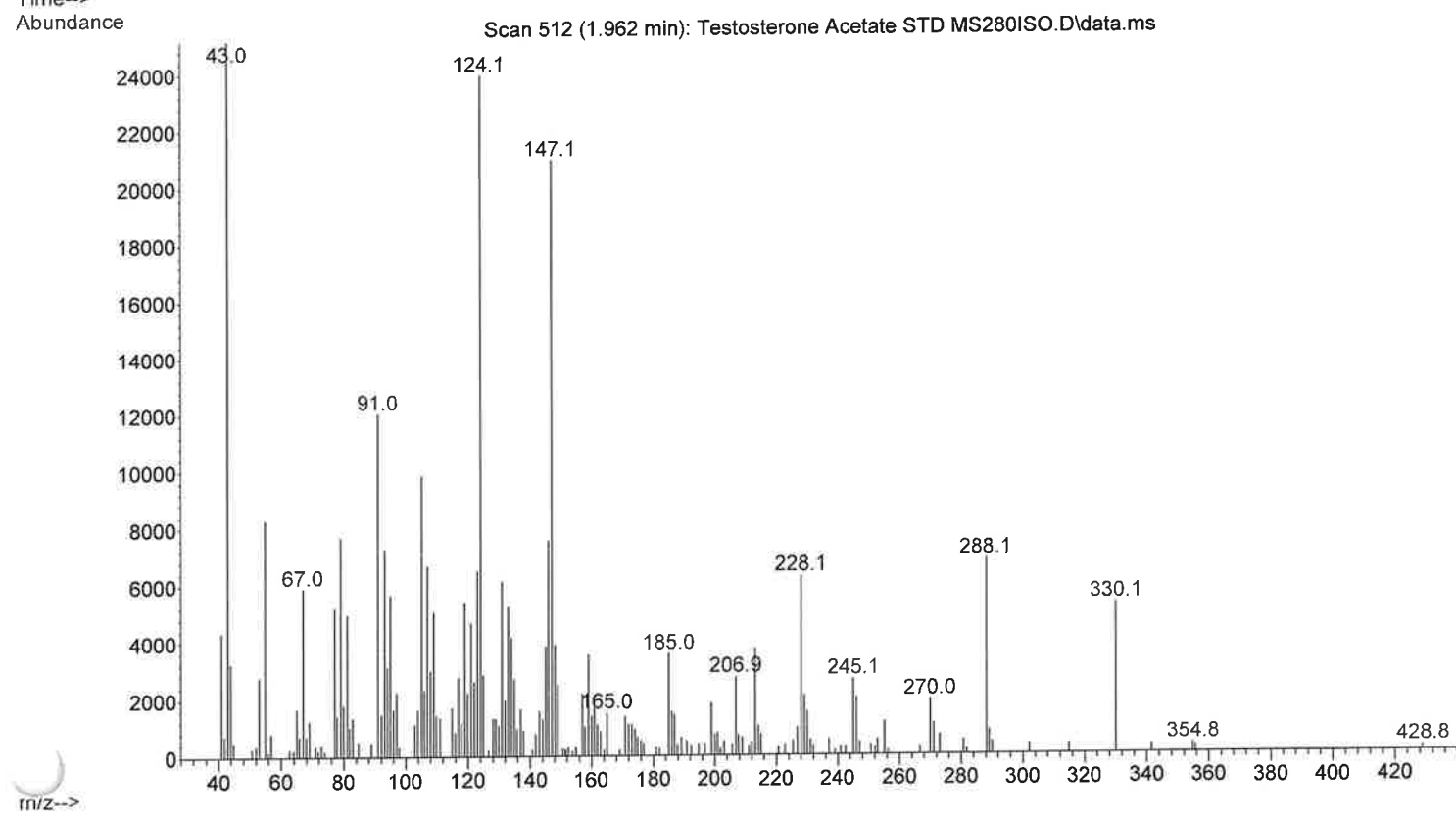
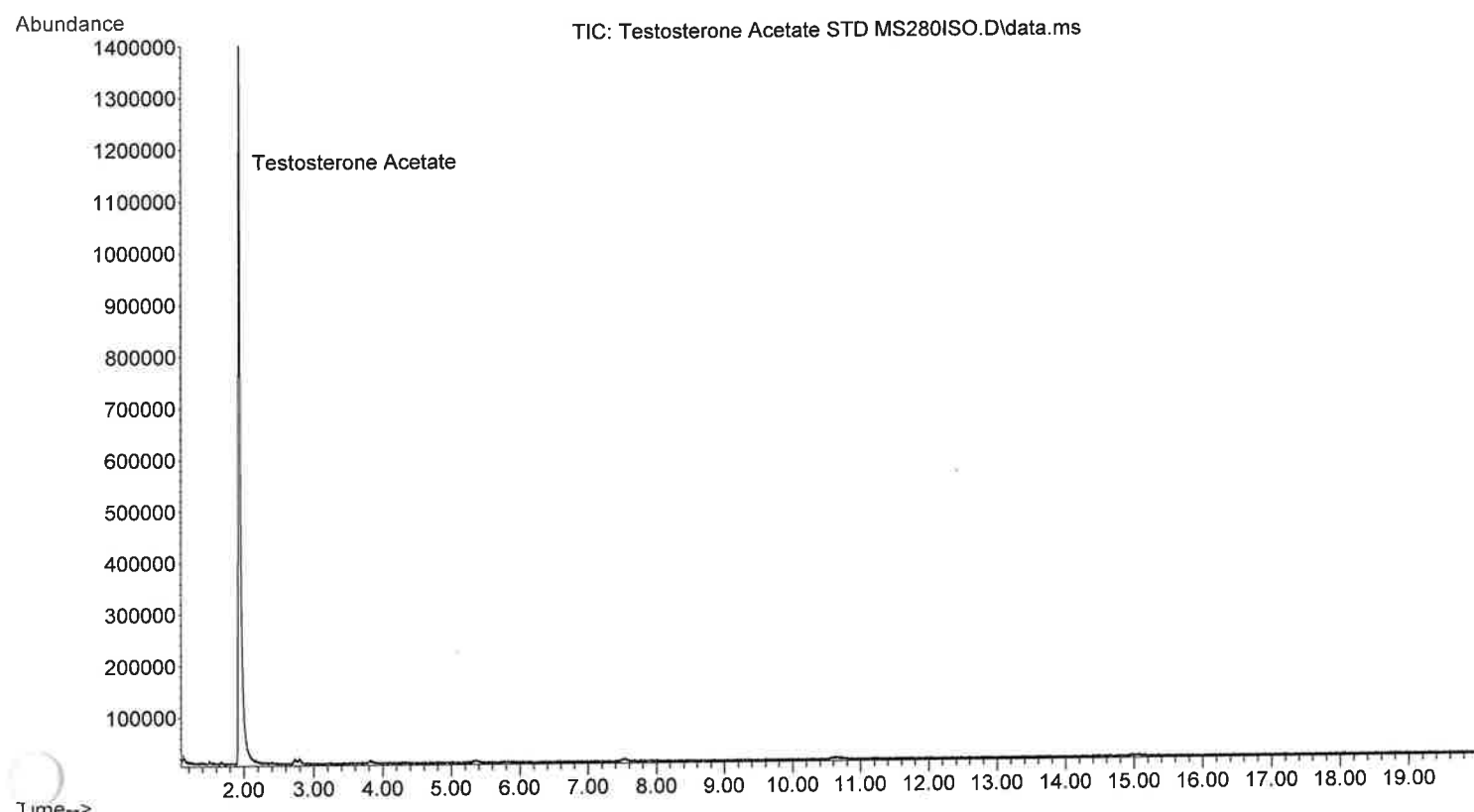


Abundance

Scan 138 (1.323 min): Testosterone Acetate STD BLANK MS280ISO.D\data.ms



File :X:\2023\IB\04-19-23\Testosterone Acetate STD MS280ISO.D
Operator : Isabella Barnett
Acquired : 19 Apr 2023 12:16 using AcqMethod MS280ISO.M
Instrument : Stringbean
Sample Name: Testosterone Acetate STD MS280ISO
Misc Info : MEQH, Sigma, Lot19F0299, Exp.02-06-14
Vial Number: 0



METHOD CONTROL PARAMETERS

Method Information for: D:\MassHunter\GCMS\1\methods\MS100TR.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:

This is a manual injection MS 100-280 / 6 minute method.

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	D:\MassHunter\GCMS\1\methods\MS100TR.M
Tune file	ATUNE.U
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.0
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 6,250 [N=0]

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	40	550

Self-Cleaning Ion Source Parameters

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

D:\MassHunter\GCMS\1\methods\MS100TR.M
Tue Apr 04 09:23:52 2023

Control Information

Sample Inlet : GC
Injection Source : Manual
Mass Spectrometer : Enabled

No Sample Prep method has been assigned to this method.

GC
GC Summary
Run Time 6.0014 min
Post Run Time 0 min

Oven
Temperature
Setpoint On
(Initial) 100 °C
Hold Time 1 min
Post Run 50 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 2.43 min

Equilibration Time 0.25 min
Max Temperature 350 °C
Minimum Temperature Override Disabled
N Fan Disabled

ALS
Front 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 0
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 1 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.5 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	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 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	
Helium Conservation Controlled	Off
Mode	Split
Heater	On 250 °C
Pressure	On 8.5 psi
Total Flow	On 45.194 mL/min
Septum Purge Flow	On 3 mL/min
Pre-Run Flow Test	Off
Gas Saver	On 20 mL/min after 3 min
Split Ratio	50 :1
Split Flow	41.367 mL/min
Liner	A Liner has not been selected.
Back SS Inlet He	
Helium Conservation Controlled	Off
Mode	Split
Heater	On 250 °C
Pressure	On 8.5 psi
Total Flow	On 141.9 mL/min
Septum Purge Flow	On 3 mL/min
Pre-Run Flow Test	Off
Gas Saver	Off
Split Ratio	50 :1
Split Flow	136.18 mL/min
Liner	A Liner has not been selected.
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	0.82733 mL/min
Post Run	1 mL/min

Column Information	Agilent 19091S-602
Description	HP-1MS
Temperature Range	-60 °C-325 °C (350 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm (Calibrated)
Heater	Oven
Column lock	Unlocked
	Front SS Inlet He
	MSD
(Initial)	100 °C
Pressure	8.5 psi
Flow	0.82733 mL/min
Average Velocity	52.55 cm/sec
Holdup Time	0.39644 min
Control Mode	Constant Flow

Column #2	
Pressure	
Setpoint	On
(Initial)	8.5 psi
Post Run	2.8778 psi

Column Information	Agilent 19091S-913
Temperature Range	-60 °C-325 °C (350 °C)
Dimensions	15 m x 320 µm x 0.25 µm (Calibrated)
Heater	Oven
Column lock	Unlocked
In	Back SS Inlet He
Out	Back Detector FID
(Initial)	100 °C
Pressure	8.5 psi
Flow	2.7236 mL/min
Average Velocity	54.059 cm/sec
Holdup Time	0.46246 min
Control Mode	Constant Pressure

Column Outlet Pressure	0 psi
------------------------	-------

Back Detector FID	
Makeup	He
Heater	On 300 °C
H2 Flow	Off
Air Flow	Off
Makeup Flow	Off
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	Off
Blank Evaluation Setpoints	
Perform Blank Evaluation Test	Off

Helium Conservation	
Helium Valve	Off
Nitrogen Valve	Off

Detector Evaluation	
Perform Detector Evaluation Test	Off

MSD Transfer Line	
Temperature	
Setpoint	On
(Initial)	280 °C

Signals	
Signal #1:	
Description	None

Signal #2:	
Description	None
Signal #3:	
Description	None
Signal #4:	
Description	None
Signal #5:	
Description	None
Signal #6:	
Description	None
Signal #7:	
Description	None
Signal #8:	
Description	None

TUNE PARAMETERS for SN: US2246MS10

Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
29.720	:	REPELLER	
90.331	:	IONFOCUS	
20.181	:	ENTRANCE_LENS	
883.721	:	EMVOLTS	
		913.2	: Actual EMV
		1.00	: GAIN FACTOR
3335.000	:	AMUGAIN	
132.750	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
13.233	:	ENTLENSOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
421.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

DATA ANALYSIS PARAMETERS

Method Name: D:\MassHunter\GCMS\1\methods\MS100TR.M

Percent Report Settings

Sort By: Signal

Output Destination

Screen: No
Printer: Yes
File: No

Integration Events: AutoIntegrate

Generate Report During Run Method: No

Signal Correlation Window: 0.020

Qualitative Report Settings

Peak Location of Unknown: Apex

Library to Search	Minimum Quality
Q:\Instrument Libraries\Current\TBI_DRUG.L	0
Q:\Instrument Libraries\Current\SWGDRUG 3.12.L	0
Q:\Instrument Libraries\Current\CaymanSpectralLibrary.L	

Integration Events: AutoIntegrate

Report Type: Summary

Output Destination

Screen: No
Printer: Yes
File: No

Generate Report During Run Method: No

Quantitative Report Settings

Report Type: Summary

Output Destination

Screen: Yes

Printer: No

File: No

Generate Report During Run Method: No

Calibration Last Updated:

Reference Window: 10.00 Percent

Non-Reference Window: 5.00 Percent

Correlation Window: 0.02 minutes

Default Multiplier: 1.00

Default Sample Concentration: 0.00

Compound Information

*** Empty Quantitation Database ***

END OF DATA ANALYSIS PARAMETERS

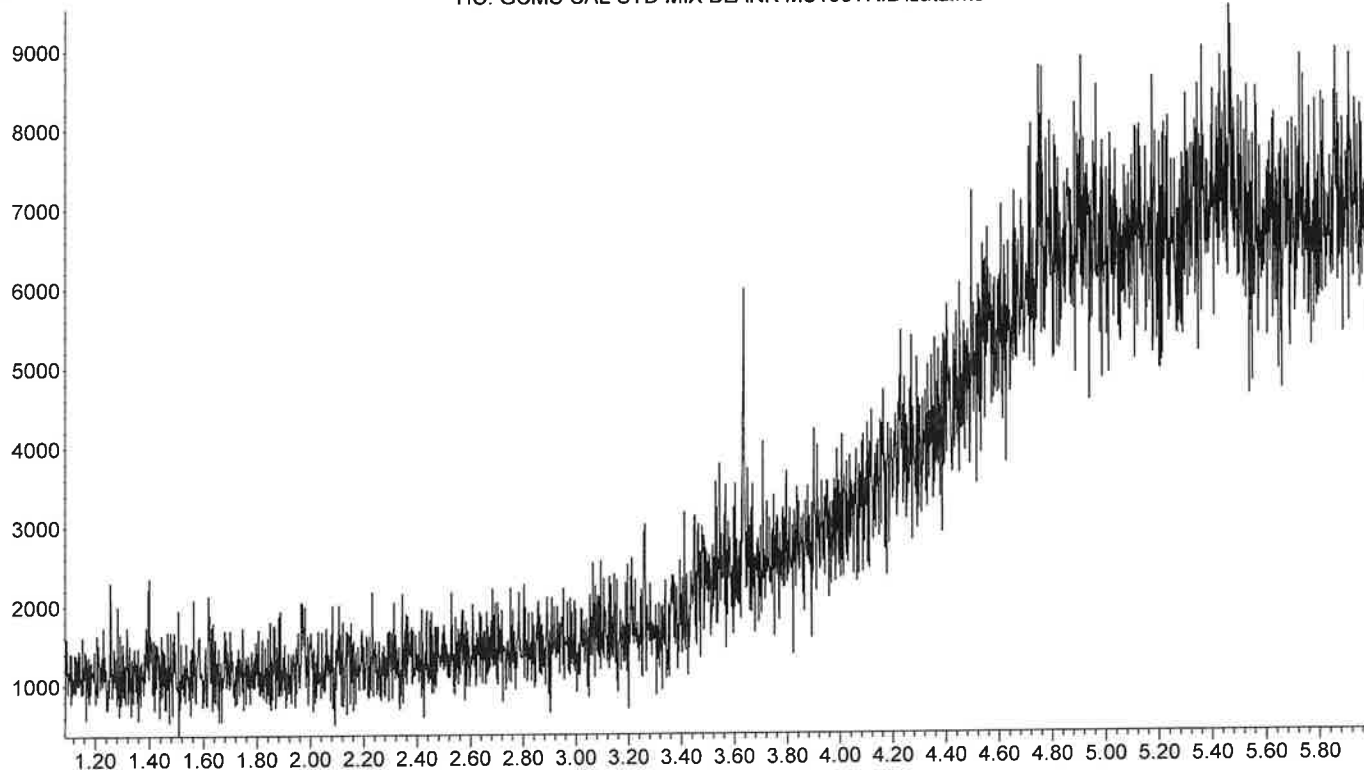
Tue Apr 04 09:23:53 2023

all

File :X:\2023\IB\04-19-23\GCMS CAL STD MIX BLANK MS100TR.D
Operator : Isabella Barnett
Acquired : 19 Apr 2023 14:12 using AcqMethod MS100TR.M
Instrument : Stringbean
Sample Name: GCMS CAL STD MIX BLANK MS100TR
Misc Info : MEOH
Vi. umber: 0

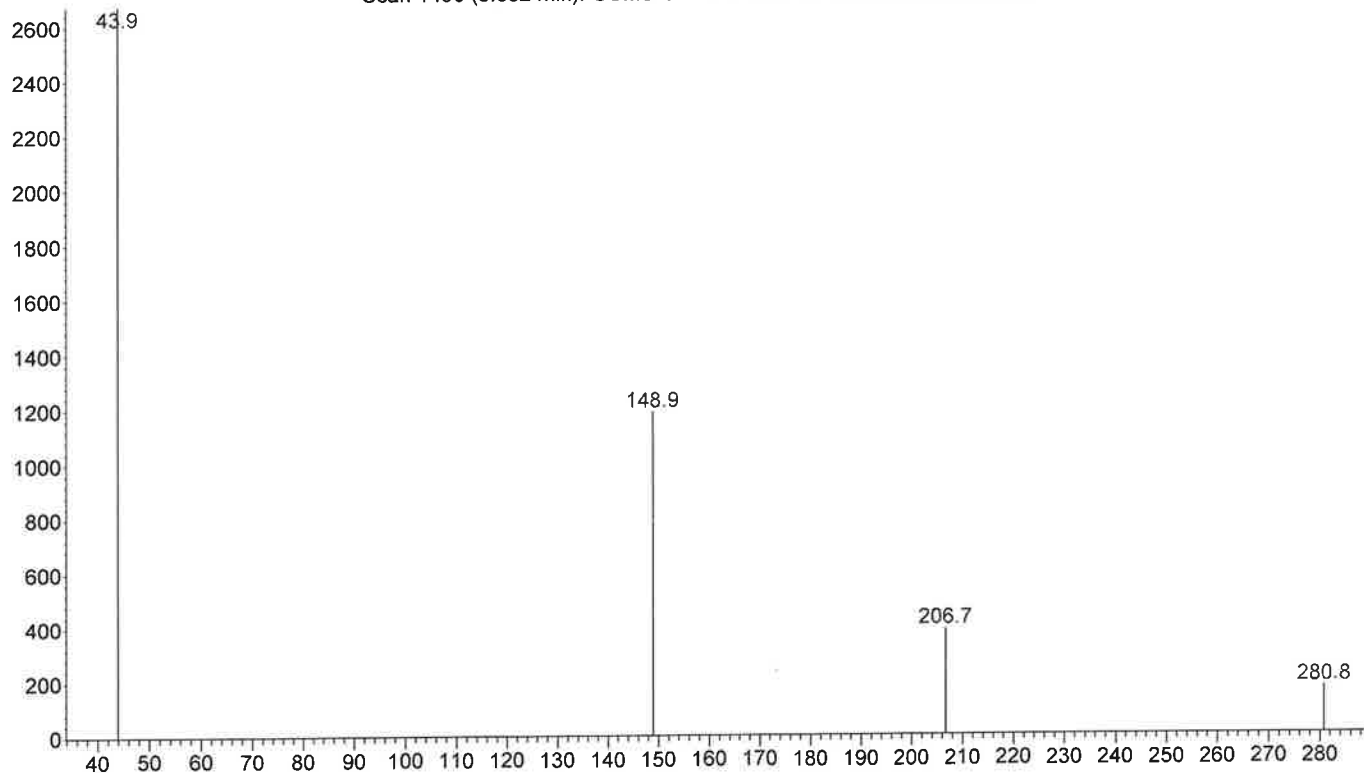
Abundance

TIC: GCMS CAL STD MIX BLANK MS100TR.D\data.ms



Abundance

Scan 1490 (3.632 min): GCMS CAL STD MIX BLANK MS100TR.D\data.ms

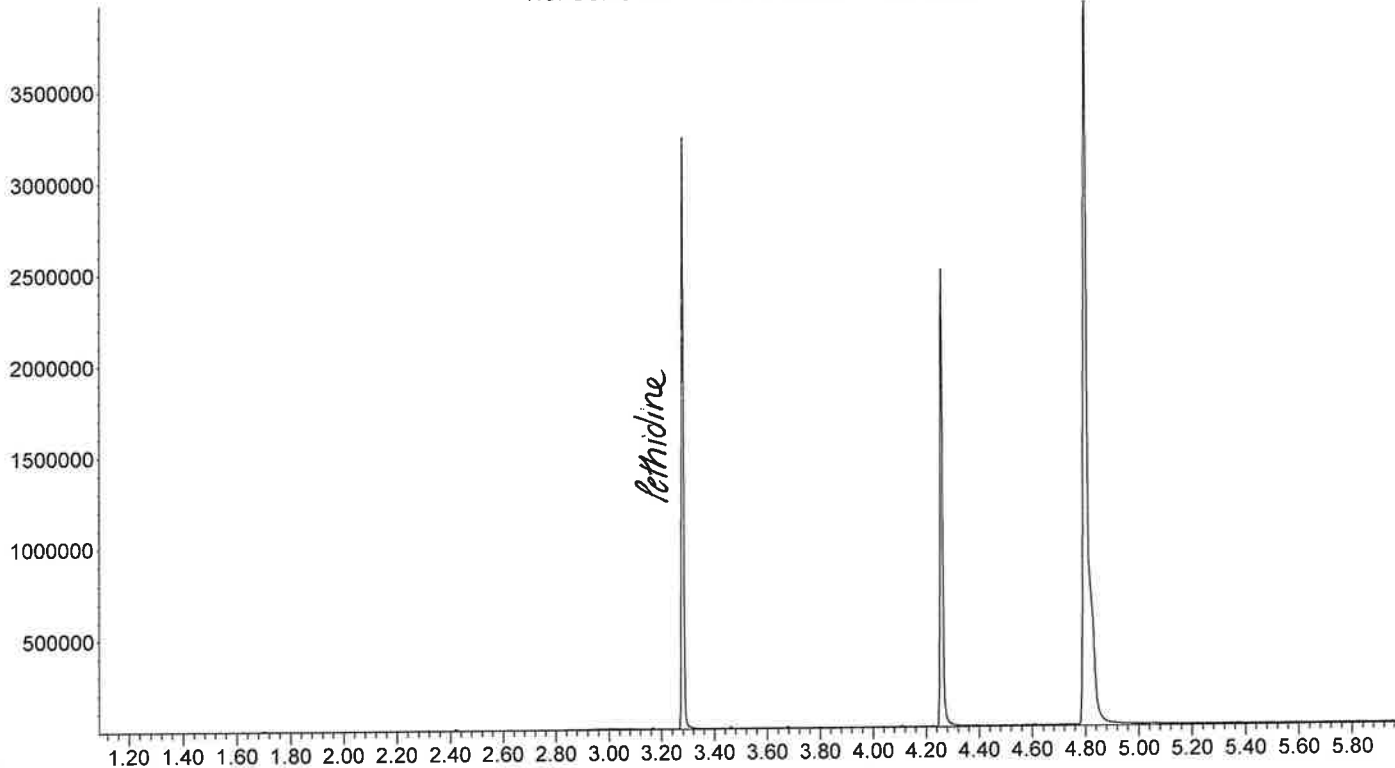


File :X:\2023\IB\04-19-23\GCMS CAL STD MIX MS100TR.D
Operator : Isabella Barnett
Acquired : 19 Apr 2023 14:20 using AcqMethod MS100TR.M
Instrument : Stringbean
Sample Name: GCMS CAL STD MIX MS100TR
Misc Info : MEOH, Exp.03-20-24
Vial Number: 0

all

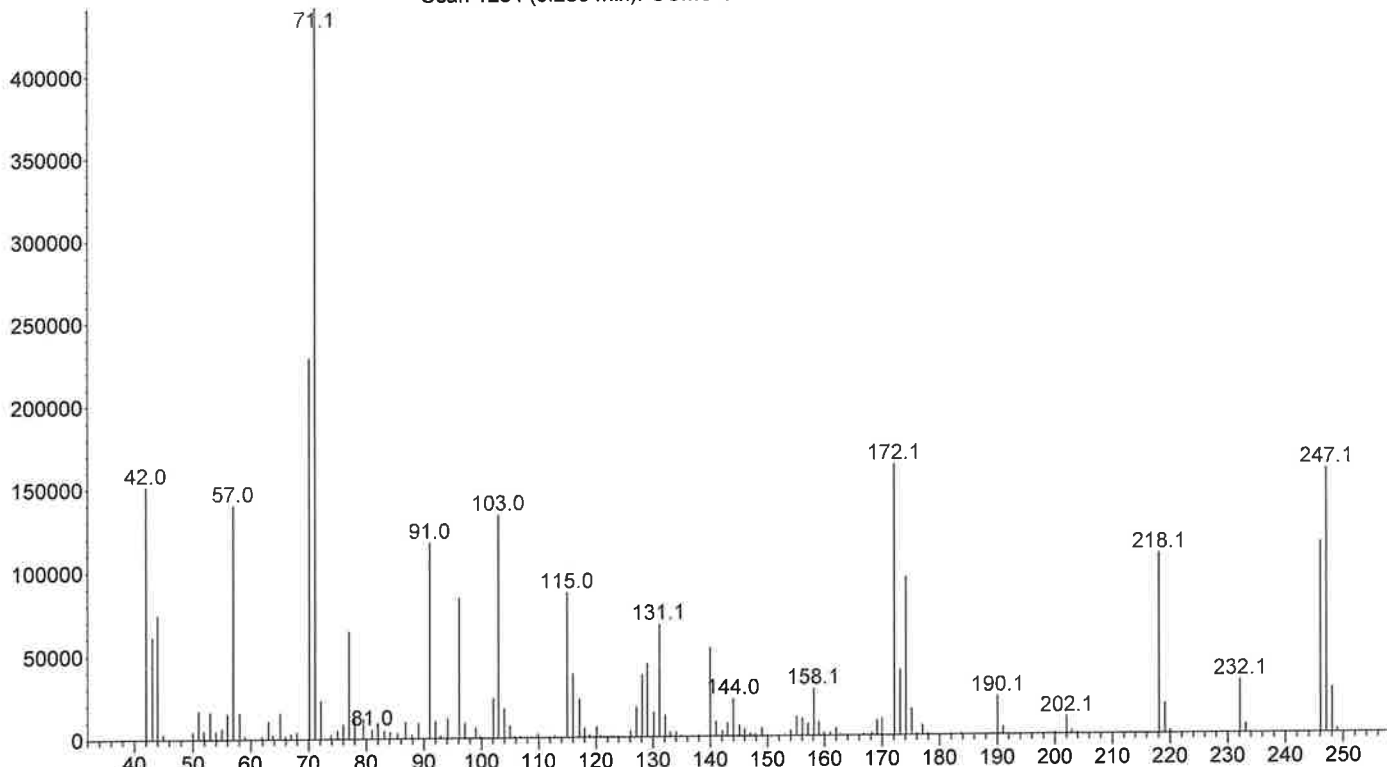
Abundance

TIC: GCMS CAL STD MIX MS100TR.D\data.ms



Abundance

Scan 1284 (3.280 min): GCMS CAL STD MIX MS100TR.D\data.ms

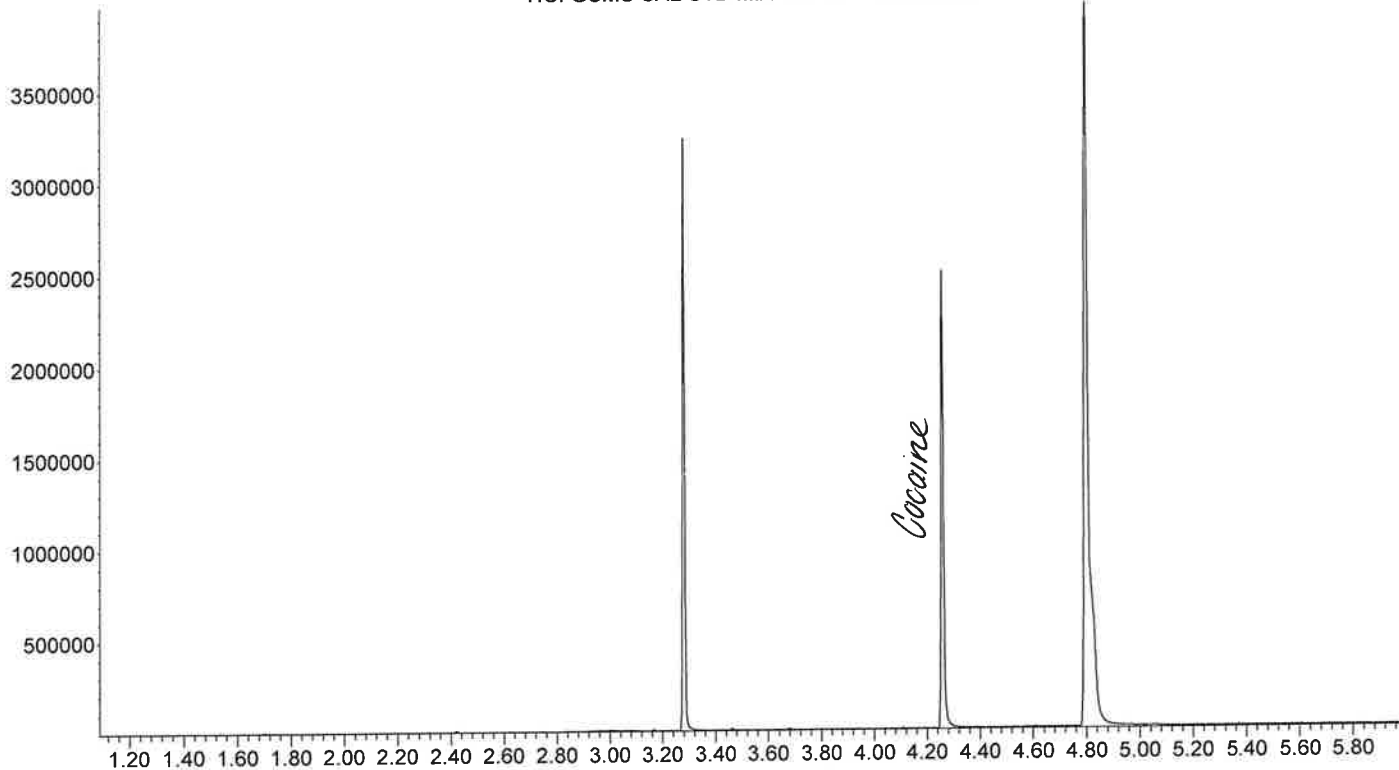


File :X:\2023\IB\04-19-23\GCMS CAL STD MIX MS100TR.D
Operator : Isabella Barnett
Acquired : 19 Apr 2023 14:20 using AcqMethod MS100TR.M
Instrument : Stringbean
Sample Name: GCMS CAL STD MIX MS100TR
Misc_Info : MEOH, Exp.03-20-24
Vial Number: 0

alt

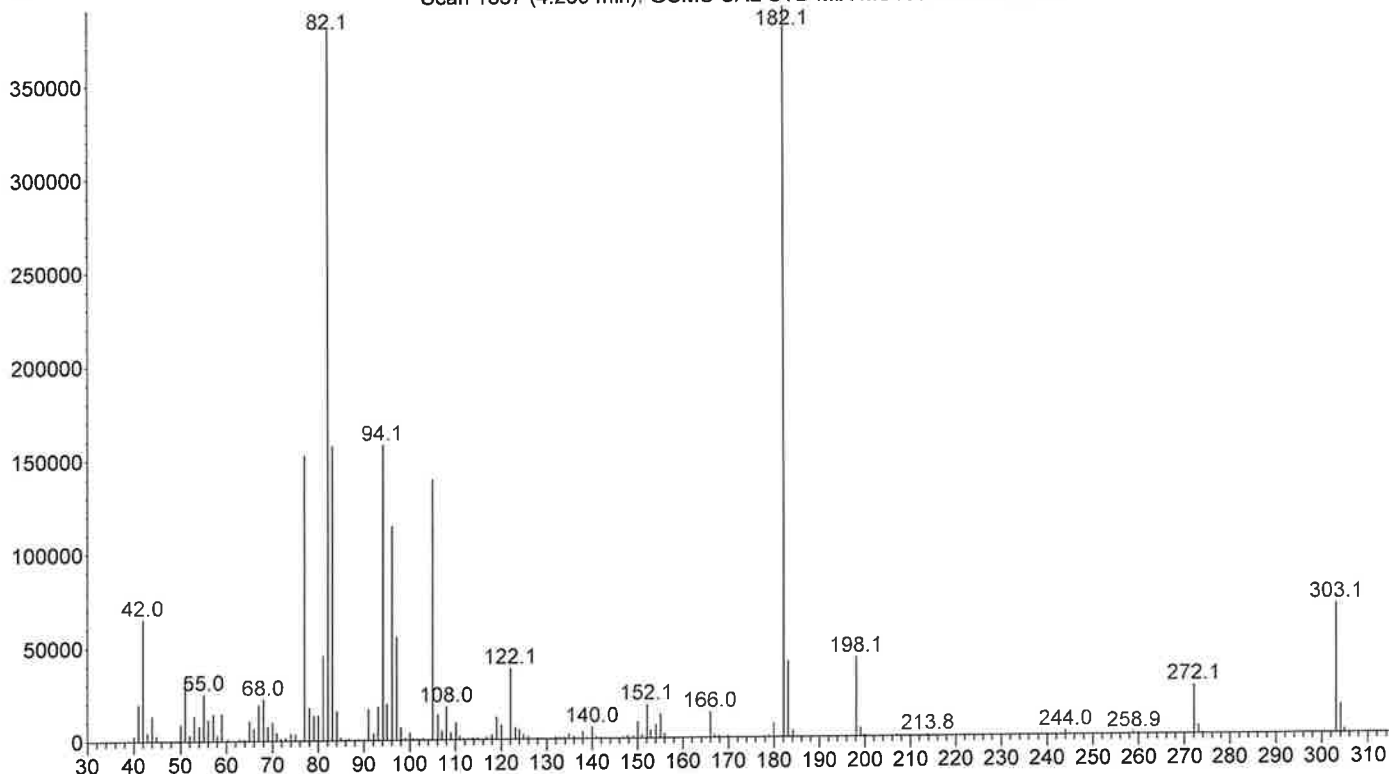
Abundance

TIC: GCMS CAL STD MIX MS100TR.D\data.ms



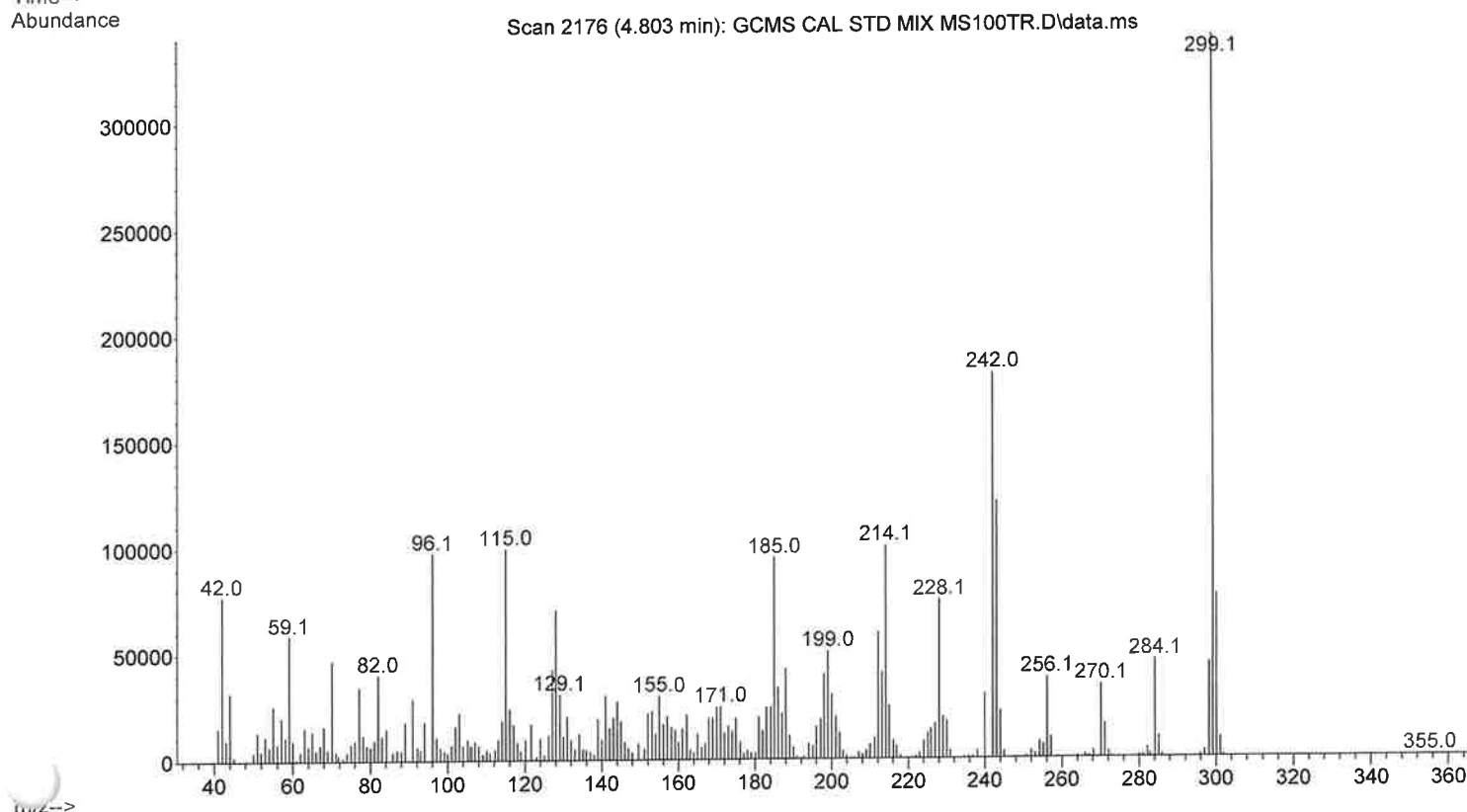
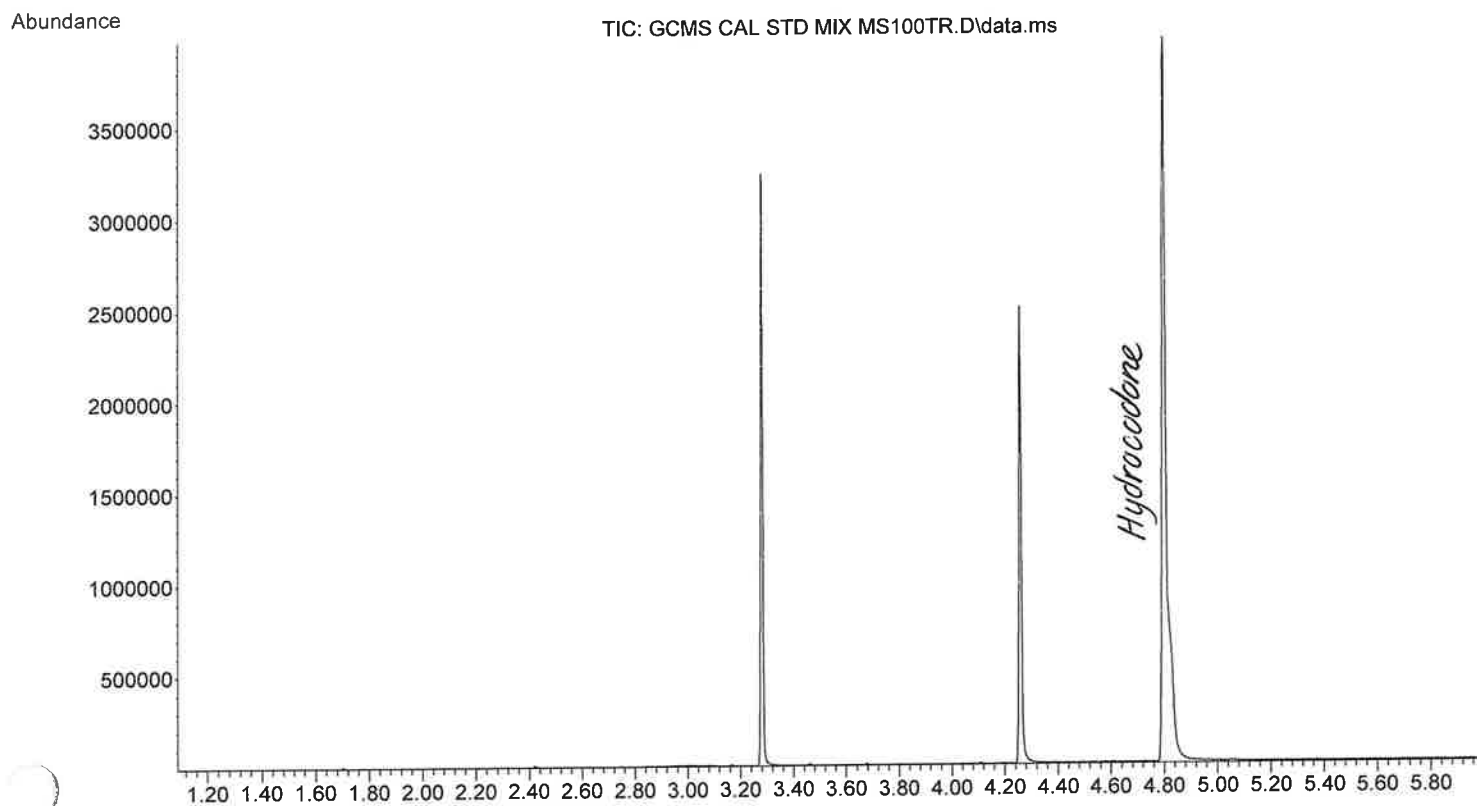
Abundance

Scan 1857 (4.259 min): GCMS CAL STD MIX MS100TR.D\data.ms



File :X:\2023\IB\04-19-23\GCMS CAL STD MIX MS100TR.D
Operator : Isabella Barnett
Acquired : 19 Apr 2023 14:20 using AcqMethod MS100TR.M
Instrument : Stringbean
Sample Name: GCMS CAL STD MIX MS100TR
Misc Info : MEOH, Exp.03-20-24
Vial Number: 0

OK



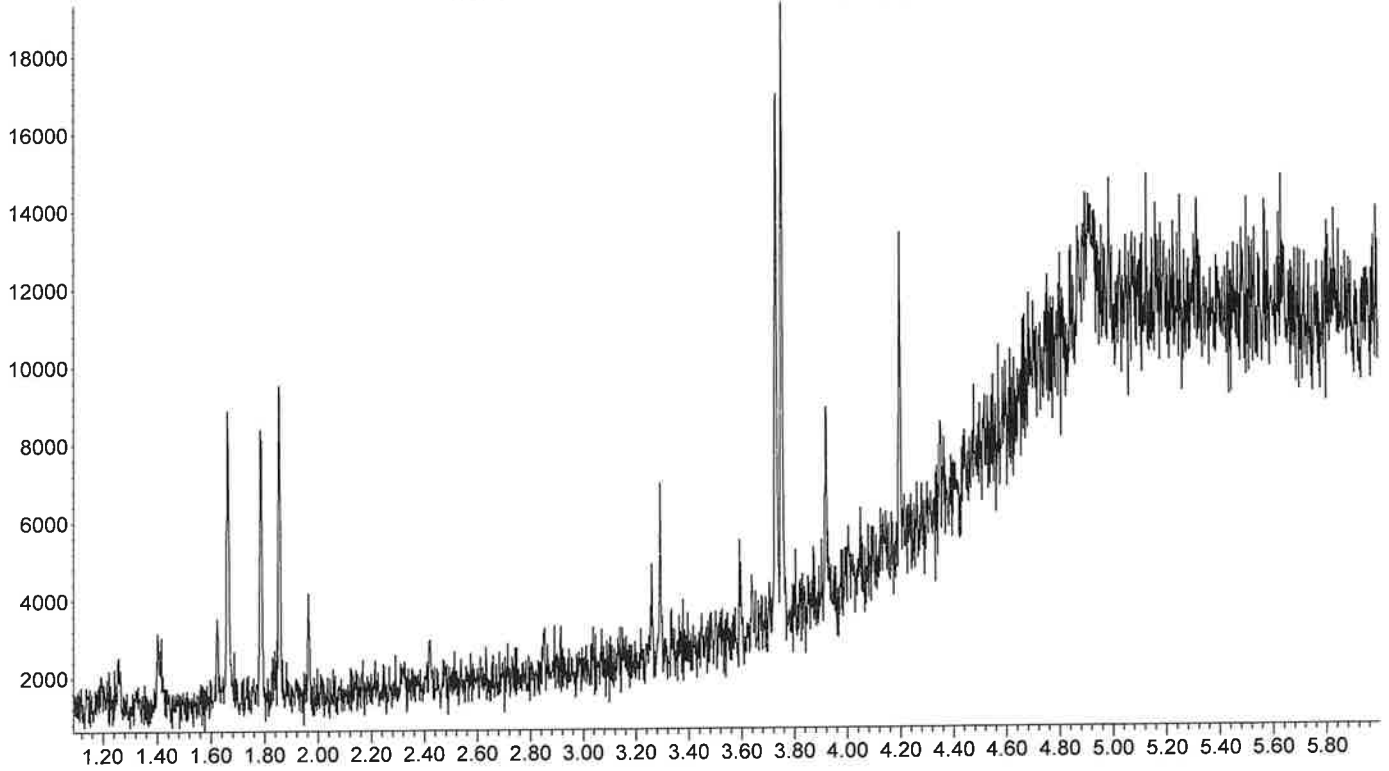
OK

File :X:\2023\IB\04-20-23\GCIR TEST SOLUTION BLANK MS100TR.D
Operator : Isabella Barnett
Acquired : 20 Apr 2023 13:32 using AcqMethod MS100TR.M
Instrument : Stringbean
Sample Name: GCIR TEST SOLUTION BLANK MS100TR
Misc Info : MEOH
Vial Number: 1

NC9D

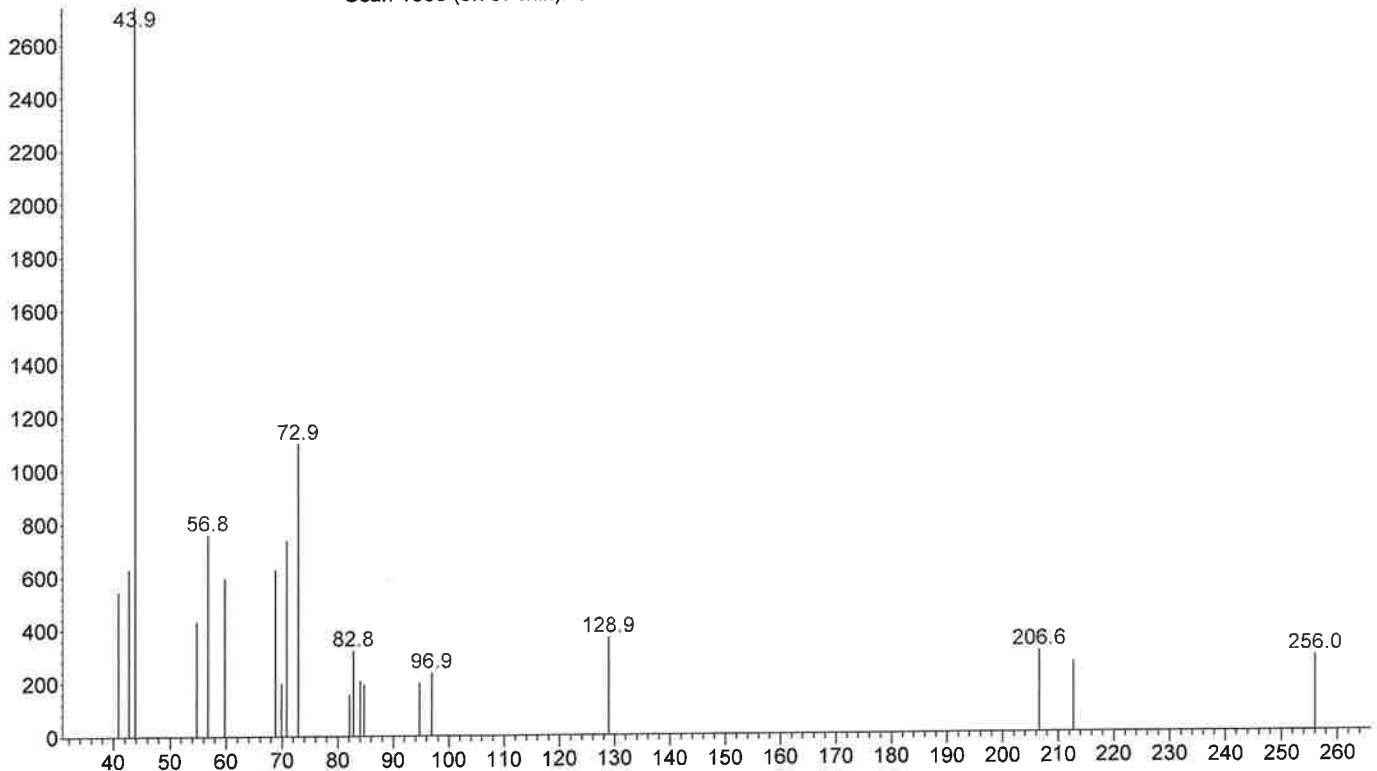
Abundance

TIC: GCIR TEST SOLUTION BLANK MS100TR.D\data.ms



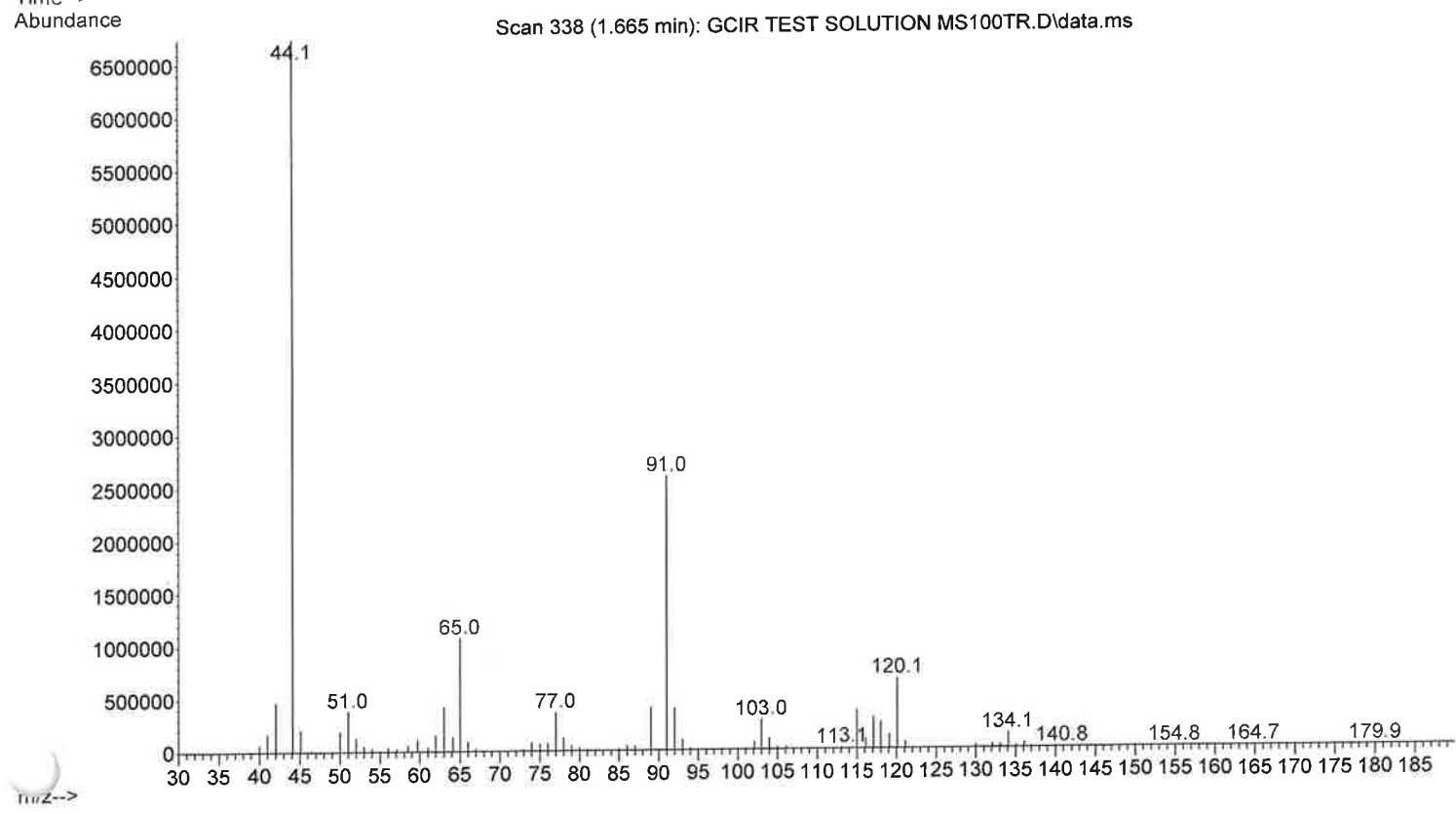
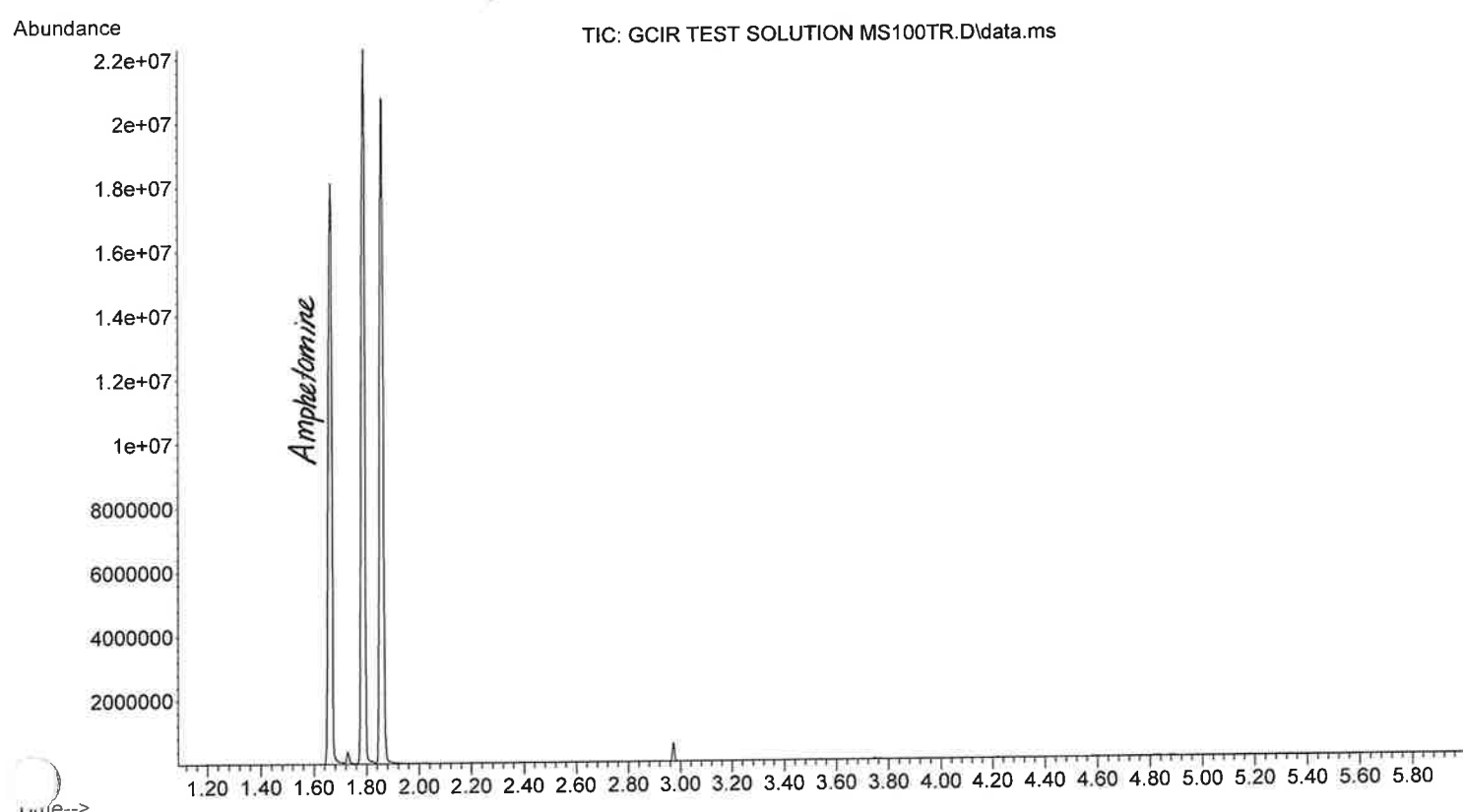
Abundance

Scan 1563 (3.757 min): GCIR TEST SOLUTION BLANK MS100TR.D\data.ms



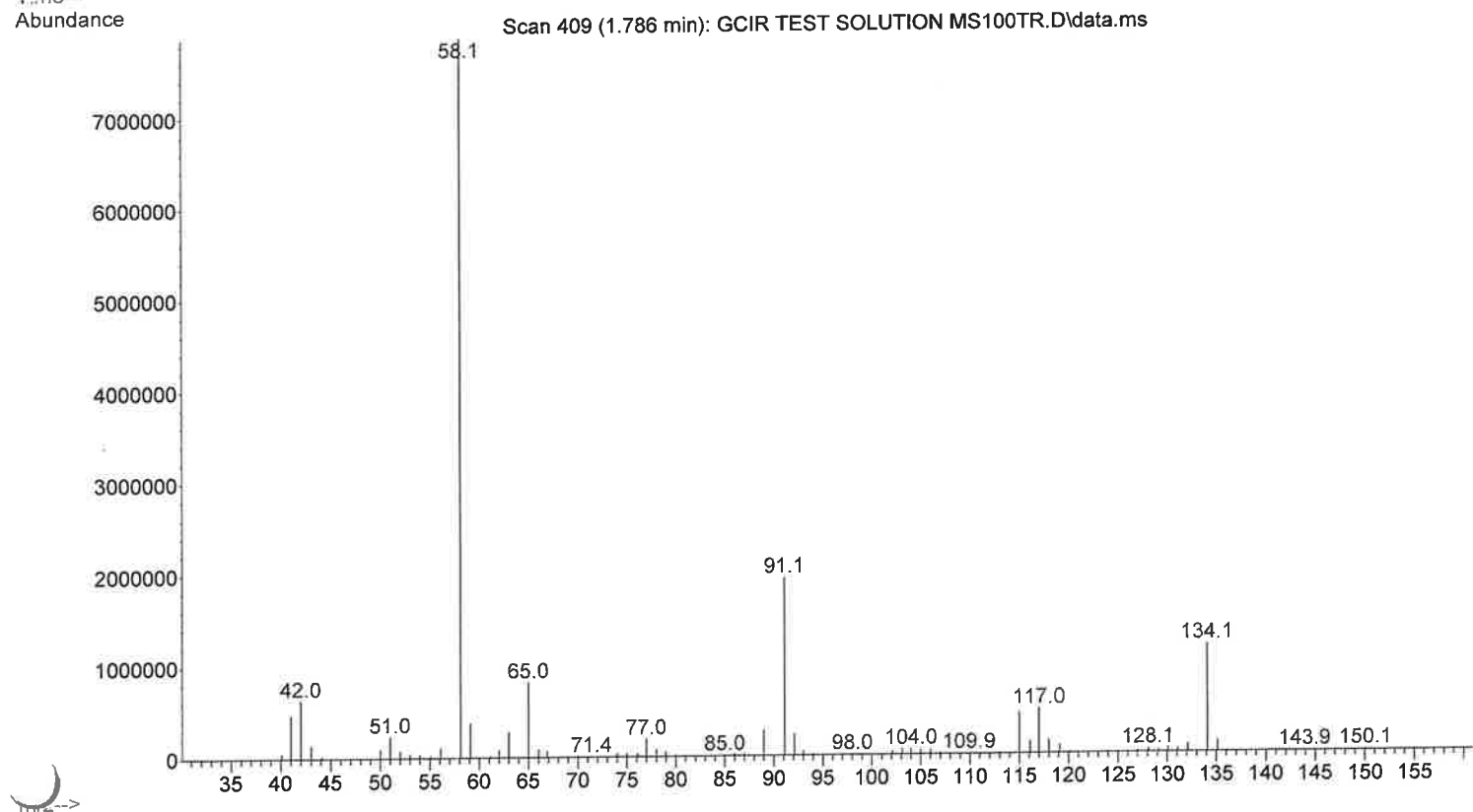
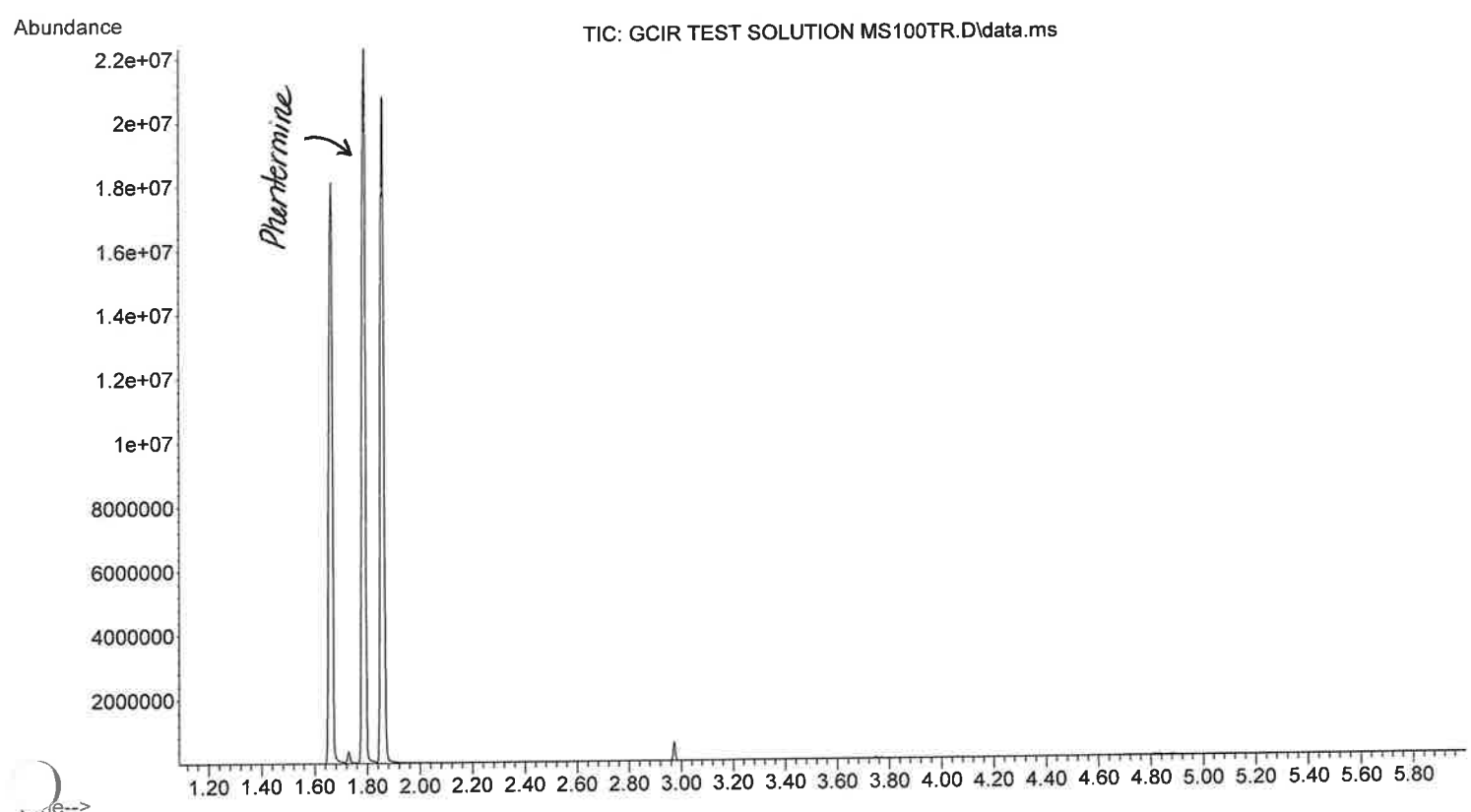
File :X:\2023\IB\04-20-23\GCIR TEST SOLUTION MS100TR.D
Operator : Isabella Barnett
Acquired : 20 Apr 2023 13:43 using AcqMethod MS100TR.M
Instrument : Stringbean
Sample Name: GCIR TEST SOLUTION MS100TR
Misc Info : ME OH, Exp. 04-20-24
Vial Number: 1

Ull



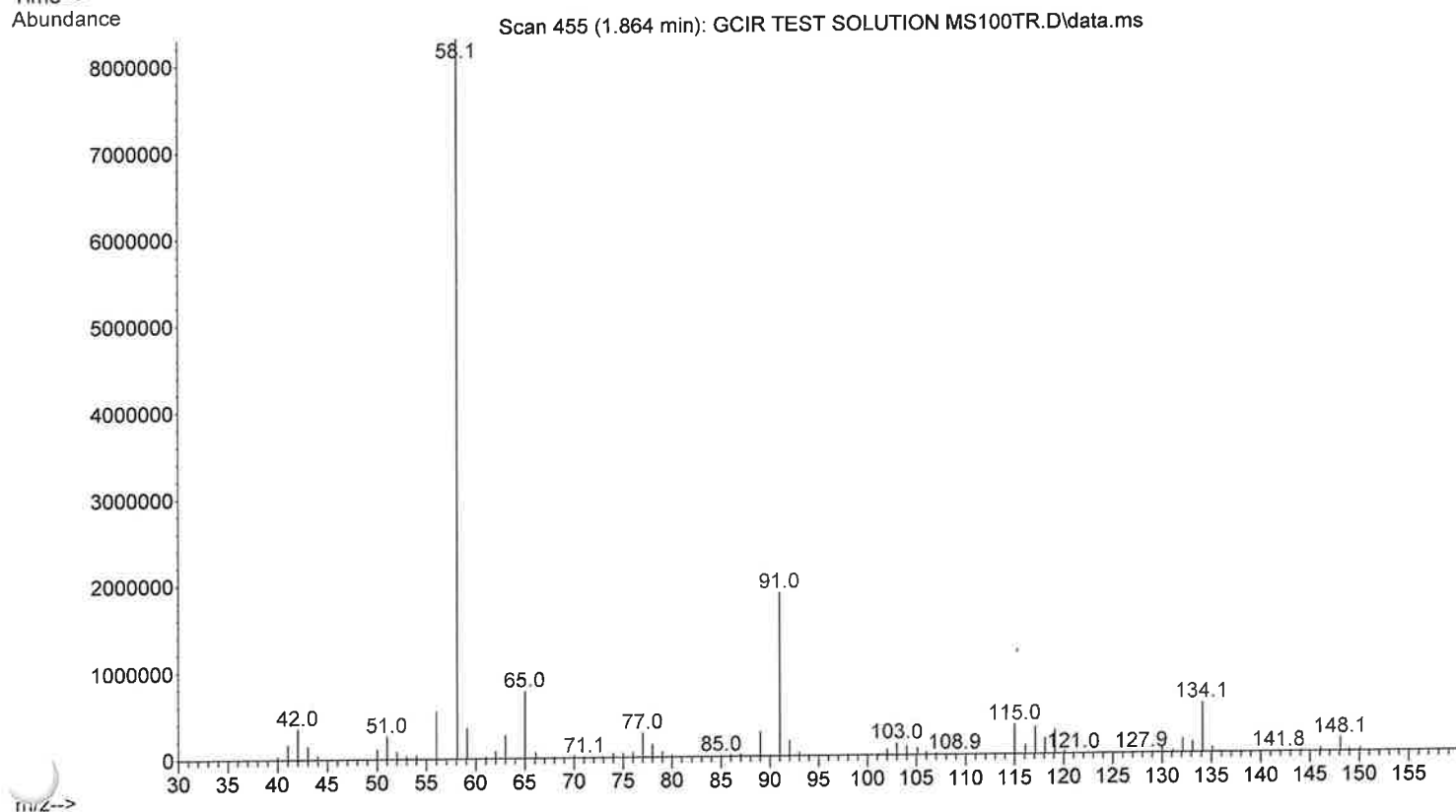
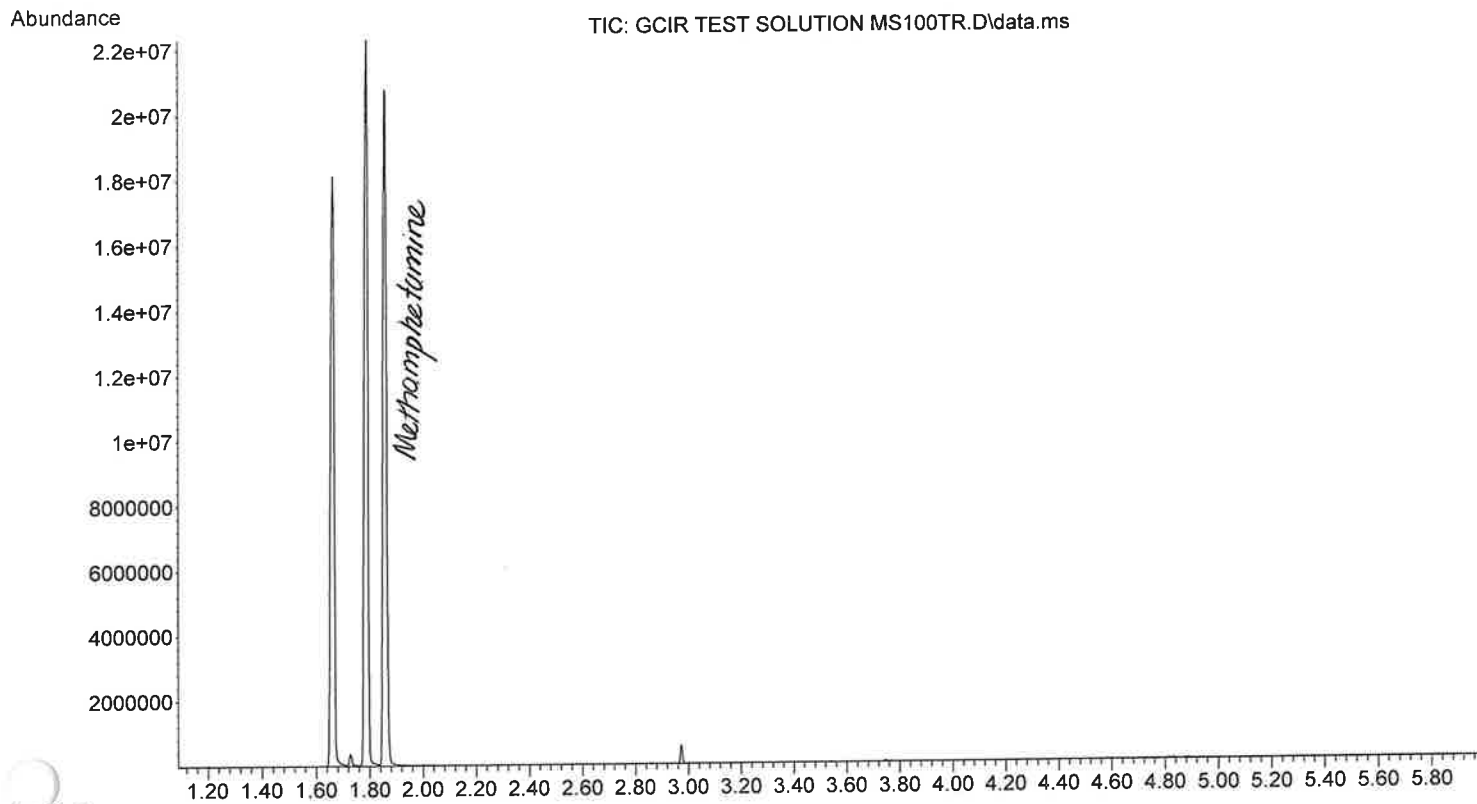
WB

File :X:\2023\IB\04-20-23\GCIR TEST SOLUTION MS100TR.D
Operator : Isabella Barnett
Acquired : 20 Apr 2023 13:43 using AcqMethod MS100TR.M
Instrument : Stringbean
Sample Name: GCIR TEST SOLUTION MS100TR
Misc Info : MEOH, Exp. 04-20-24
Vial Number: 1



802

File :X:\2023\IB\04-20-23\GCIR TEST SOLUTION MS100TR.D
Operator : Isabella Barnett
Acquired : 20 Apr 2023 13:43 using AcqMethod MS100TR.M
Instrument : Stringbean
Sample Name: GCIR TEST SOLUTION MS100TR
Misc Info : MEOH, Exp. 04-20-24
Vial Number: 1



METHOD CONTROL PARAMETERS

Method Information for: D:\MassHunter\GCMS\1\methods\MS200TR.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:

This is a manual injection MS 200-280 / 6 minute method.

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	D:\MassHunter\GCMS\1\methods\MS200TR.M
Tune file	ATUNE.U
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.0
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	6,250 [N=0]

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	40	550

Self-Cleaning Ion Source Parameters

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

D:\MassHunter\GCMS\1\methods\MS200TR.M

Tue Apr 04 09:29:36 2023

Control Information

Sample Inlet : GC
Injection Source : Manual
Mass Spectrometer : Enabled

No Sample Prep method has been assigned to this method.

GC
GC Summary
Run Time 6.0029 min
Post Run Time 0 min

Oven
Temperature
Setpoint On
(Initial) 200 °C
Hold Time 1 min
Post Run 50 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 3.86 min

Equilibration Time 0.25 min
Max Temperature 350 °C
Minimum Temperature Override Disabled
On Fan Disabled

ALS
Front 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 0
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 1 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.5 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	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 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	
Helium Conservation Controlled	Off
Mode	Split
Heater	On 250 °C
Pressure	On 13.5 psi
Total Flow	On 44.838 mL/min
Septum Purge Flow	On 3 mL/min
Pre-Run Flow Test	Off
Gas Saver	On 20 mL/min after 3 min
Split Ratio	50 :1
Split Flow	41.017 mL/min
Liner	A Liner has not been selected.
Back SS Inlet He	
Helium Conservation Controlled	Off
Mode	Split
Heater	On 250 °C
Pressure	On 13.5 psi
Total Flow	On 170.58 mL/min
Septum Purge Flow	On 3 mL/min
Pre-Run Flow Test	Off
Gas Saver	Off
Split Ratio	50 :1
Split Flow	164.3 mL/min
Liner	A Liner has not been selected.
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	0.82034 mL/min
Post Run	1 mL/min

Column Information
Description
Temperature Range
Dimensions
Heater
Column lock
(Initial)
Pressure
Flow
Average Velocity
Holdup Time
Control Mode

Agilent 19091S-602
HP-1MS
-60 °C-325 °C (350 °C)
12.5 m x 200 µm x 0.33 µm (Calibrated)
Oven
Unlocked
Front SS Inlet He
MSD
200 °C
13.5 psi
0.82034 mL/min
54.354 cm/sec
0.38329 min
Constant Flow

Column #2
Pressure
Setpoint
(Initial)
Post Run

On
13.5 psi
2.8778 psi

Column Information
Temperature Range
Dimensions
Heater
Column lock
In
Out
(Initial)
Pressure
Flow
Average Velocity
Holdup Time
Control Mode

Agilent 19091S-913
-60 °C-325 °C (350 °C)
15 m x 320 µm x 0.25 µm (Calibrated)
Oven
Unlocked
Back SS Inlet He
Back Detector FID
200 °C
13.5 psi
3.2859 mL/min
71.909 cm/sec
0.34766 min
Constant Pressure

Column Outlet Pressure

0 psi

Back Detector FID
Makeup
Heater
H2 Flow
Air Flow
Makeup Flow
Carrier Gas Flow Correction
Flame
Blank Evaluation Setpoints
Perform Blank Evaluation Test

He
On 300 °C
Off
Off
Off
Constant Makeup and Fuel Flow
Off
Off

Helium Conservation
Helium Valve
Nitrogen Valve

Off
Off

Detector Evaluation
Perform Detector Evaluation Test

Off

MSD Transfer Line
Temperature
Setpoint
(Initial)

On
280 °C

Signals
Signal #1:
Description

None

Signal #2:	
Description	None
Signal #3:	
Description	None
Signal #4:	
Description	None
Signal #5:	
Description	None
Signal #6:	
Description	None
Signal #7:	
Description	None
Signal #8:	
Description	None

TUNE PARAMETERS for SN: US2246MS10

Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
29.720	:	REPELLER	
90.331	:	IONFOCUS	
20.181	:	ENTRANCE_LENS	
883.721	:	EMVOLTS	
		913.2	: Actual EMV
		1.00	: GAIN FACTOR
3335.000	:	AMUGAIN	
132.750	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
13.233	:	ENTLENSOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
421.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

DATA ANALYSIS PARAMETERS

Method Name: D:\MassHunter\GCMS\1\methods\MS200TR.M

Percent Report Settings

Sort By: Signal

Output Destination

Screen: No
Printer: Yes
File: No

Integration Events: AutoIntegrate

Generate Report During Run Method: No

Signal Correlation Window: 0.020

Qualitative Report Settings

Peak Location of Unknown: Apex

Library to Search Minimum Quality

Q:\Instrument Libraries\Current\TBI_DRUG.L 0

Q:\Instrument Libraries\Current\SWGDRUG 3.12.L 0

Q:\Instrument Libraries\Current\CaymanSpectralLibrary.L

Integration Events: AutoIntegrate

Report Type: Summary

Output Destination

Screen: No
Printer: Yes
File: No

Generate Report During Run Method: No

Quantitative Report Settings

Report Type: Summary

Output Destination

Screen: Yes

Printer: No

File: No

Generate Report During Run Method: No

Calibration Last Updated:

Reference Window: 10.00 Percent

Non-Reference Window: 5.00 Percent

Correlation Window: 0.02 minutes

Default Multiplier: 1.00

Default Sample Concentration: 0.00

Compound Information

*** Empty Quantitation Database ***

END OF DATA ANALYSIS PARAMETERS

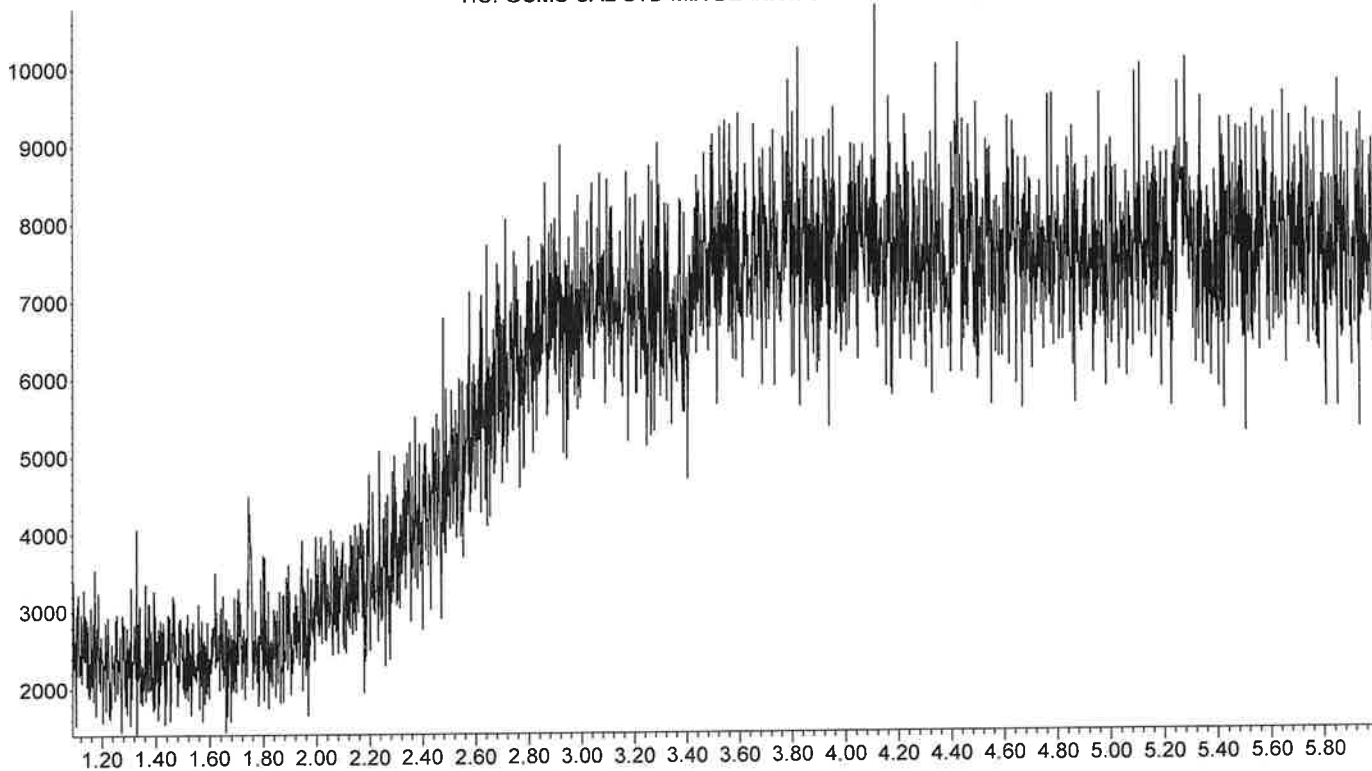
Tue Apr 04 09:29:38 2023

alb

File :X:\2023\IB\04-19-23\GCMS CAL STD MIX BLANK MS200TR.D
Operator : Isabella Barnett
Acquired : 19 Apr 2023 13:50 using AcqMethod MS200TR.M
Instrument : Stringbean
Sample Name: GCMS CAL STD MIX BLANK MS200TR
Misc Info : MEOH
Vial Number: 0

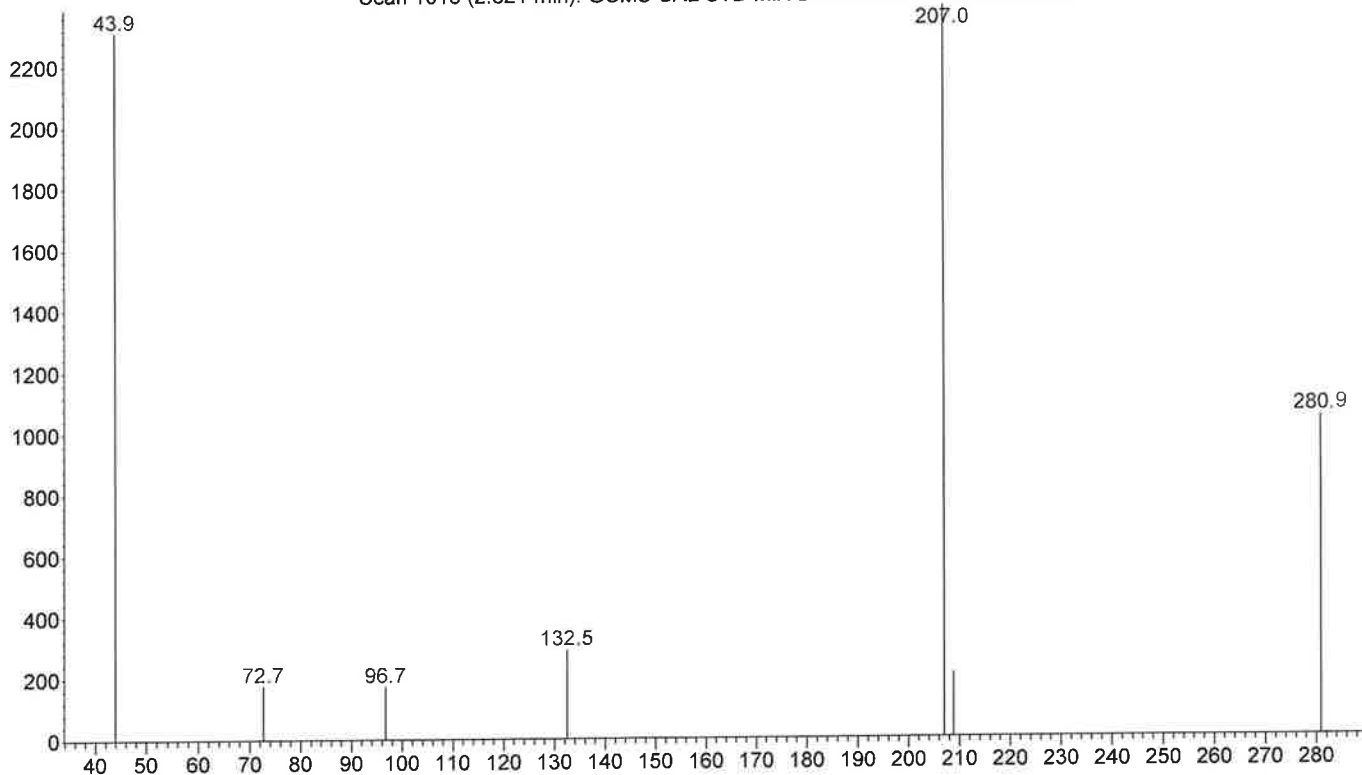
Abundance

TIC: GCMS CAL STD MIX BLANK MS200TR.D\data.ms

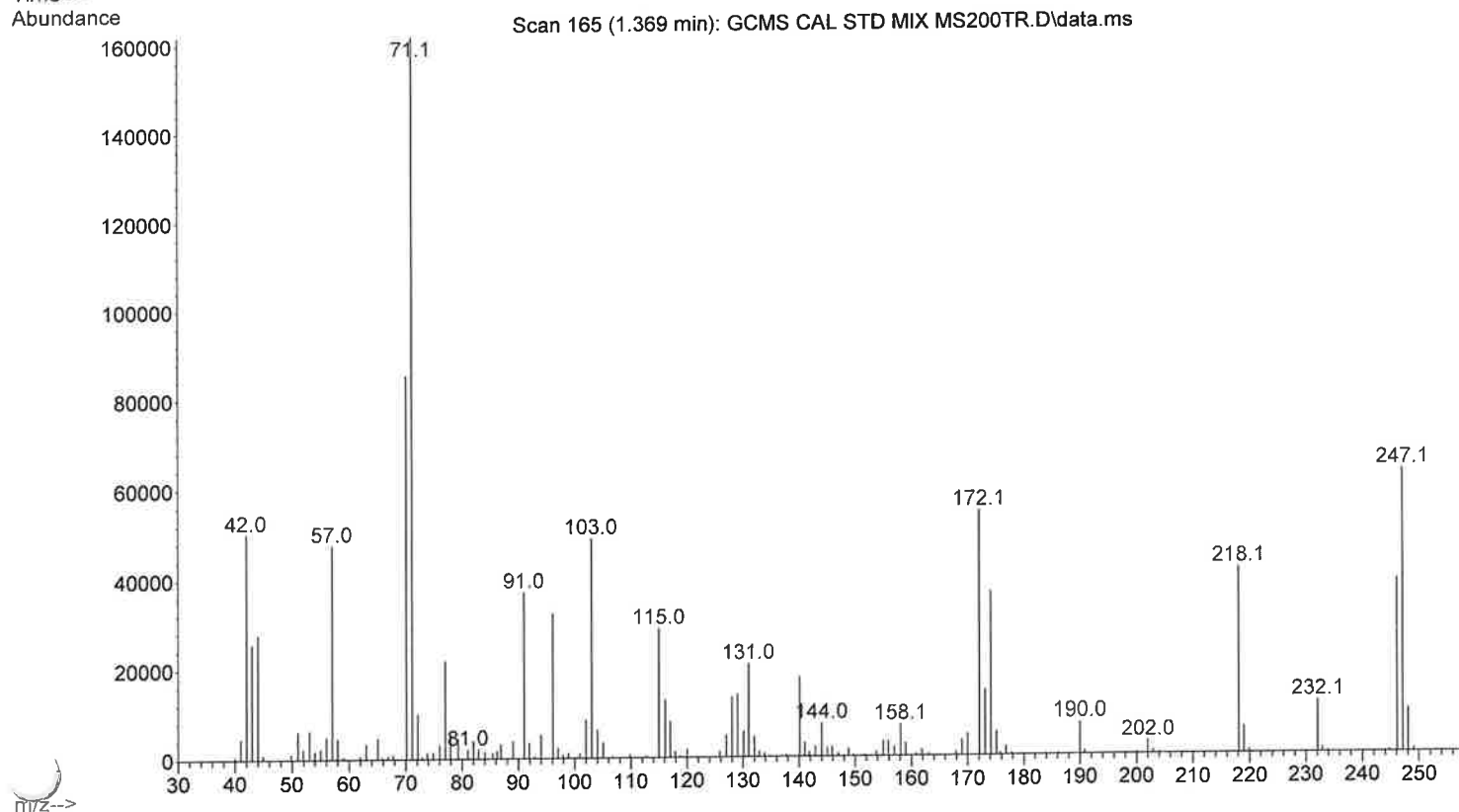
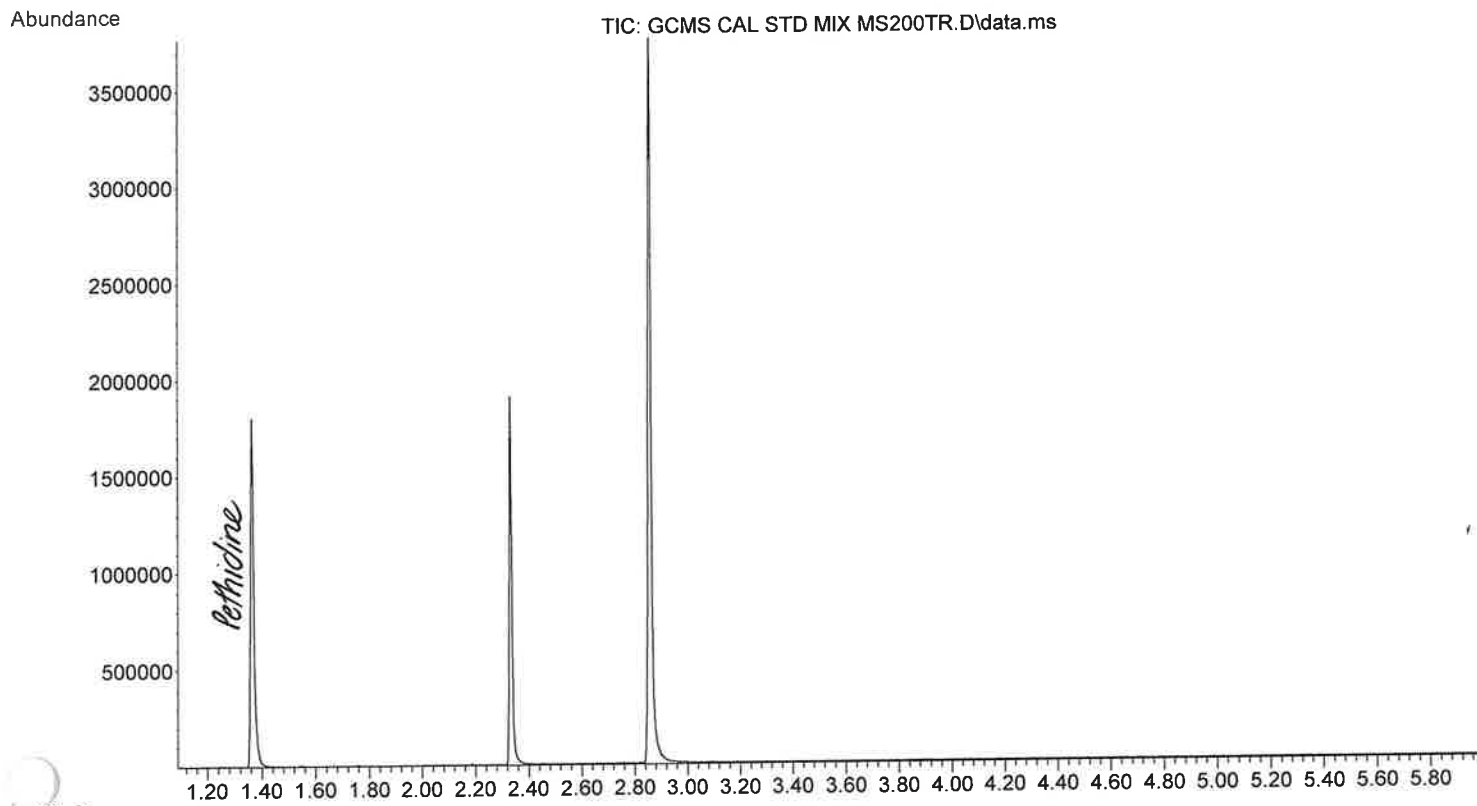


Abundance

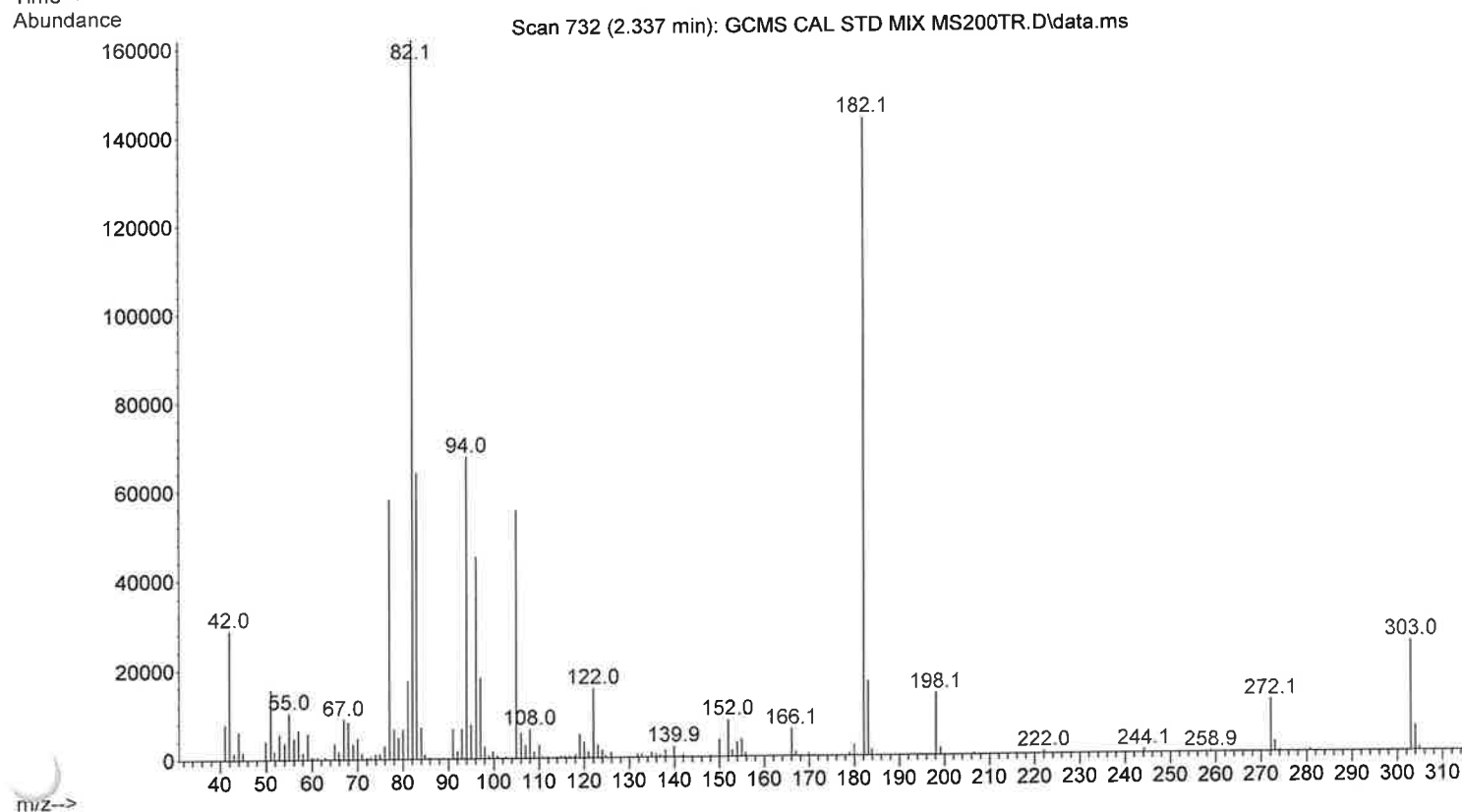
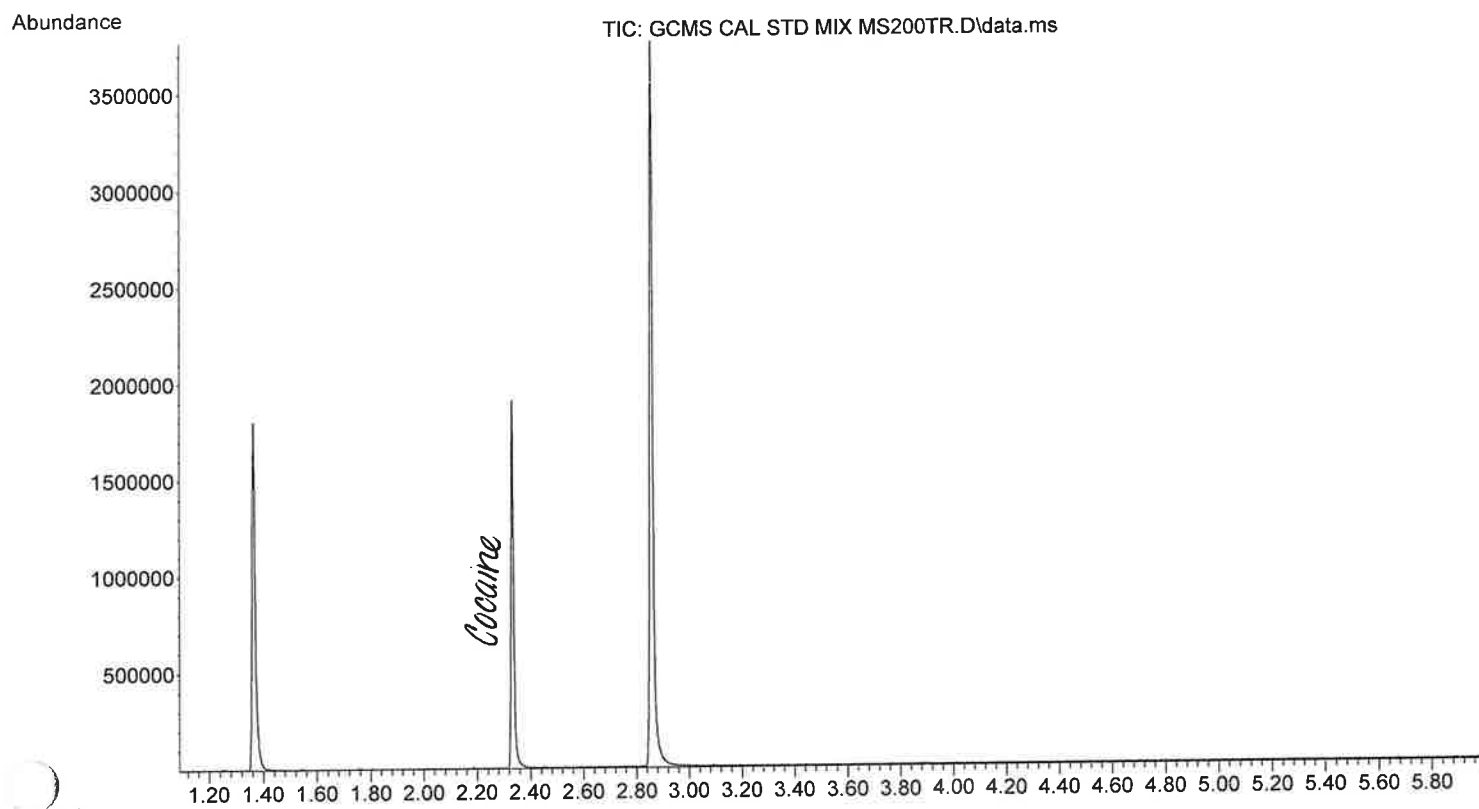
Scan 1015 (2.821 min): GCMS CAL STD MIX BLANK MS200TR.D\data.ms



File :X:\2023\IB\04-19-23\GCMS CAL STD MIX MS200TR.D
Operator : Isabella Barnett
Acquired : 19 Apr 2023 14:04 using AcqMethod MS200TR.M
Instrument : Stringbean
Sample Name: GCMS CAL STD MIX MS200TR
Misc Info : MEQH, Exp.03-20-24
Vial Number: 0

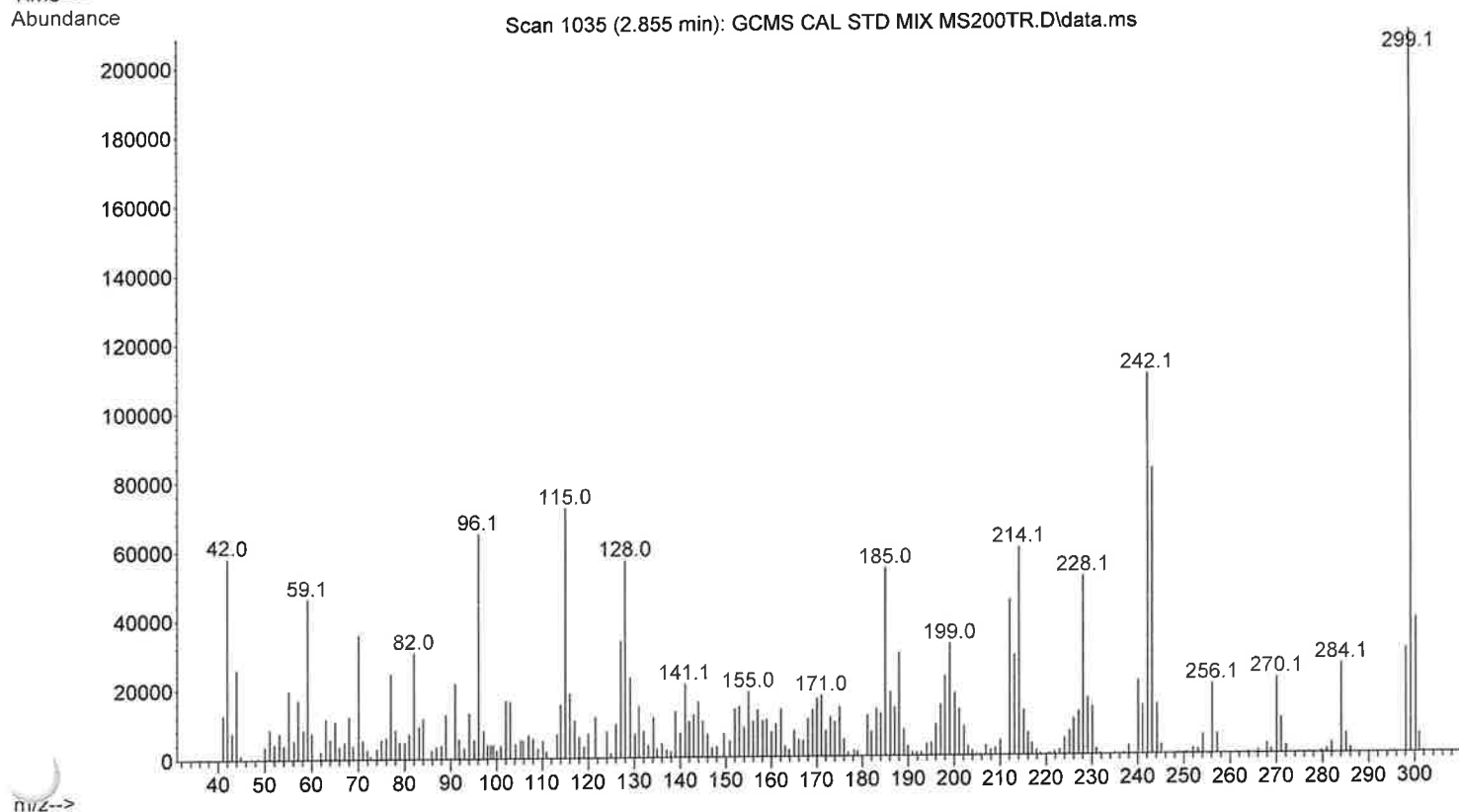
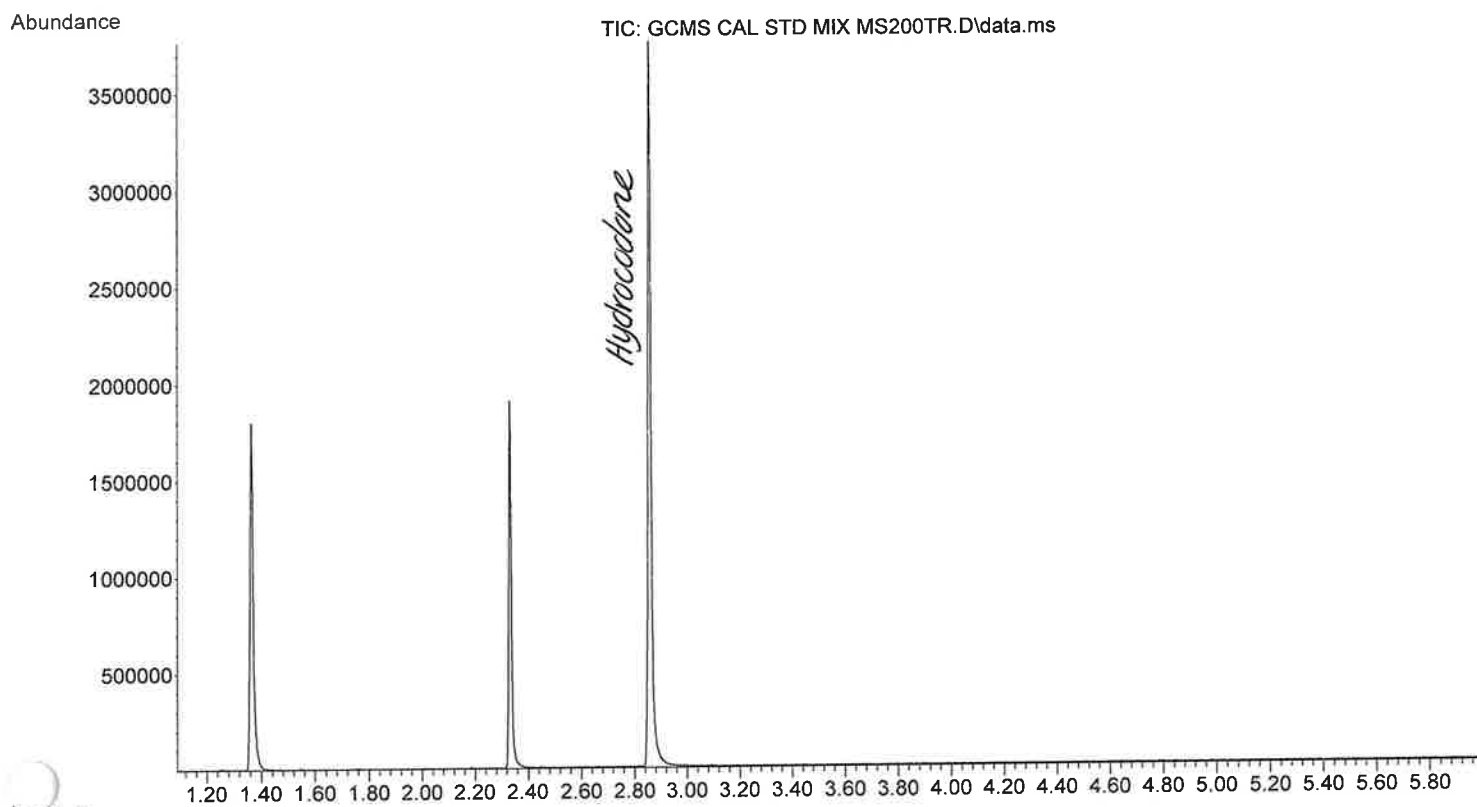


File :X:\2023\IB\04-19-23\GCMS CAL STD MIX MS200TR.D
Operator : Isabella Barnett
Acquired : 19 Apr 2023 14:04 using AcqMethod MS200TR.M
Instrument : Stringbean
Sample Name: GCMS CAL STD MIX MS200TR
Misc Info : MEOH, Exp.03-20-24
Vial Number: 0



File :X:\2023\IB\04-19-23\GCMS CAL STD MIX MS200TR.D
Operator : Isabella Barnett
Acquired : 19 Apr 2023 14:04 using AcqMethod MS200TR.M
Instrument : Stringbean
Sample Name: GCMS CAL STD MIX MS200TR
Misc Info : MEOH, Exp.03-20-24
Vial Number: 0

ab



METHOD CONTROL PARAMETERS

Method Information for: D:\MassHunter\GCMS\1\methods\ASMSDRUGS100.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:

This is an autosample MS 100-280 / 10 minute method.

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	D:\MassHunter\GCMS\1\methods\ASMSDRUGS100.M
Tune file	ATUNE.U
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.0
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	6,250 [N=0]

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	40	550

Self-Cleaning Ion Source Parameters

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

D:\MassHunter\GCMS\1\methods\ASMSDRUGS100.M

Tue Apr 04 07:58:17 2023

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 10.001 min
Post Run Time 0 min

Oven
Temperature
Setpoint On
(Initial) 100 °C
Hold Time 1 min
Post Run 50 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 6.43 min

Equilibration Time 0.25 min
M Temperature 350 °C
Minimum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 2
Solvent A Volume 4 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 2
Solvent B Volume 4 µL
Sample Washes 1
Sample Wash Volume 8 µL
Sample Pumps 4
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 1 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.5 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	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 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	
Helium Conservation Controlled Mode	Off
Heater	Split
Pressure	On 250 °C
Total Flow	On 8.5 psi
Septum Purge Flow	On 45.194 mL/min
Pre-Run Flow Test	On 3 mL/min
Gas Saver	Off
Split Ratio	On 20 mL/min after 3 min
Split Flow	50 :1
Liner	41.367 mL/min
	A Liner has not been selected.
Back SS Inlet He	
Helium Conservation Controlled Mode	Off
Heater	Split
Pressure	On 250 °C
Total Flow	On 8.5 psi
Septum Purge Flow	On 141.9 mL/min
Pre-Run Flow Test	On 3 mL/min
Gas Saver	Off
Split Ratio	Off
Split Flow	50 :1
Liner	136.18 mL/min
	A Liner has not been selected.
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	0.82733 mL/min
Post Run	1 mL/min

Column Information	Agilent 19091S-602
Description	HP-1MS
Temperature Range	-60 °C-325 °C (350 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm (Calibrated)
Heater	Oven
Column lock	Unlocked
Out	Front SS Inlet He
(Initial)	MSD
Pressure	100 °C
Flow	8.5 psi
Average Velocity	0.82733 mL/min
Holdup Time	52.55 cm/sec
Control Mode	0.39644 min
	Constant Flow

Column #2	
Pressure	
Setpoint	On
(Initial)	8.5 psi
Post Run	2.8778 psi

Column Information	Agilent 19091S-913
Temperature Range	-60 °C-325 °C (350 °C)
Dimensions	15 m x 320 µm x 0.25 µm (Calibrated)
Heater	Oven
Column lock	Unlocked
In	Back SS Inlet He
Out	Back Detector FID
(Initial)	100 °C
Pressure	8.5 psi
Flow	2.7236 mL/min
Average Velocity	54.059 cm/sec
Holdup Time	0.46246 min
Control Mode	Constant Pressure

Column Outlet Pressure	0 psi
Back Detector FID	
Makeup	He
Heater	On 300 °C
H2 Flow	Off
Air Flow	Off
Makeup Flow	Off
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	Off
Blank Evaluation Setpoints	
Perform Blank Evaluation Test	Off

Helium Conservation	
Helium Valve	Off
Nitrogen Valve	Off

Detector Evaluation	
Perform Detector Evaluation Test	Off

MSD Transfer Line	
Temperature	
Setpoint	On
(Initial)	280 °C

Signals
Signal #1:

Description	None
Signal #2: Description	None
Signal #3: Description	None
Signal #4: Description	None
Signal #5: Description	None
Signal #6: Description	None
Signal #7: Description	None
Signal #8: Description	None

TUNE PARAMETERS for SN: US2246MS10

Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
29.720	:	REPELLER	
90.331	:	IONFOCUS	
20.181	:	ENTRANCE_LENS	
883.721	:	EMVOLTS	
			913.2 : Actual EMV
			1.00 : GAIN FACTOR
3335.000	:	AMUGAIN	
132.750	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
13.233	:	ENTLENSOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
421.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

DATA ANALYSIS PARAMETERS

Method Name: D:\MassHunter\GCMS\1\methods\ASMSDRUGS100.M

Percent Report Settings

Sort By: Signal

Output Destination

Screen: No
Printer: Yes
File: No

Integration Events: AutoIntegrate

Generate Report During Run Method: No

Signal Correlation Window: 0.020

Qualitative Report Settings

Peak Location of Unknown: Apex

Library to Search Minimum Quality

Q:\Instrument Libraries\Current\TBI_DRUG.L 0

Q:\Instrument Libraries\Current\SWGDRUG 3.12.L 0

Q:\Instrument Libraries\Current\CaymanSpectralLibrary.L

Integration Events: AutoIntegrate

Report Type: Summary

Output Destination

Screen: No
Printer: Yes
File: No

Generate Report During Run Method: No

Quantitative Report Settings

Report Type: Summary

Output Destination

Screen: Yes

Printer: No

File: No

Generate Report During Run Method: No

Calibration Last Updated:

Reference Window: 10.00 Percent

Non-Reference Window: 5.00 Percent

Correlation Window: .0.02 minutes

Default Multiplier: 1.00

Default Sample Concentration: 0.00

Compound Information

*** Empty Quantitation Database ***

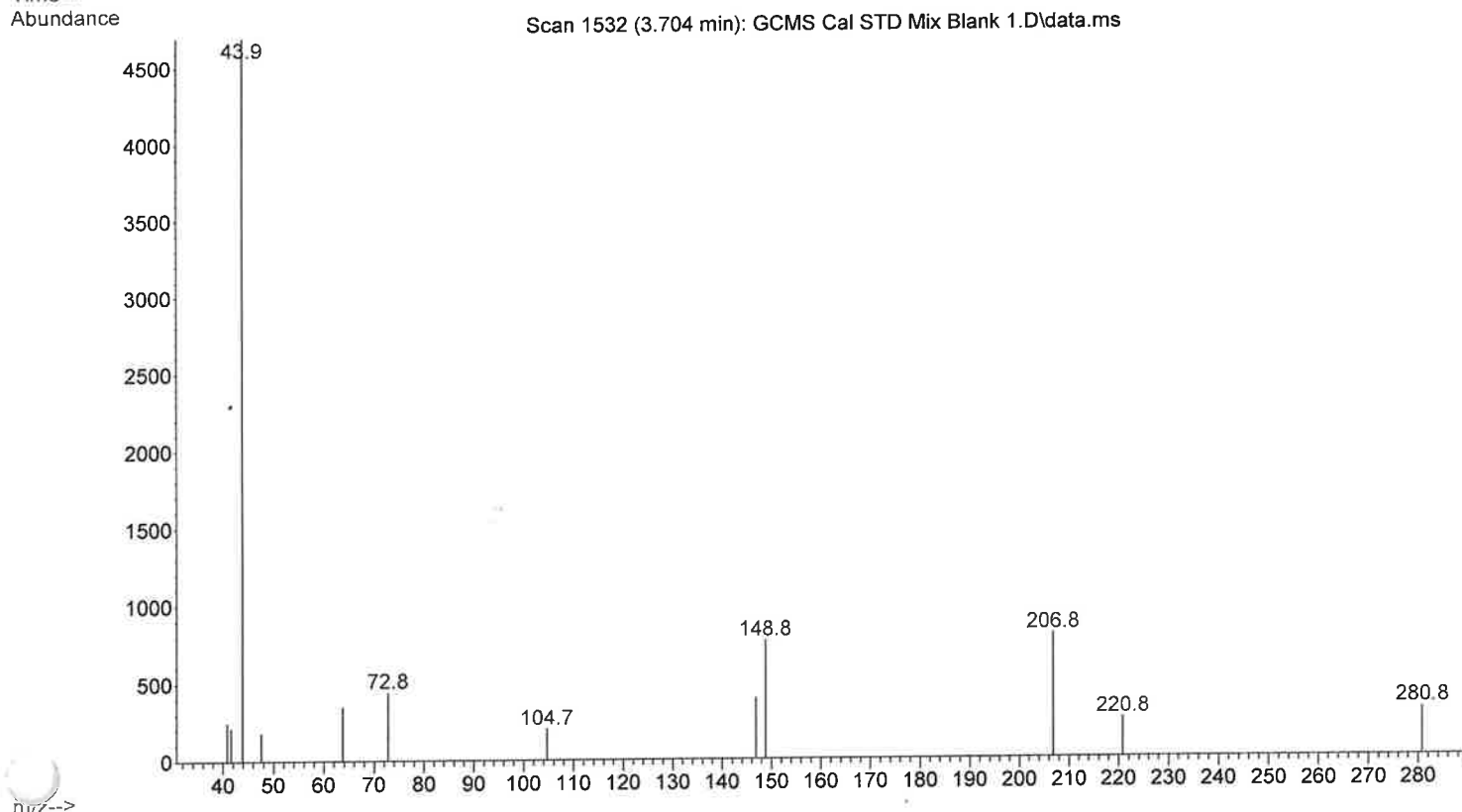
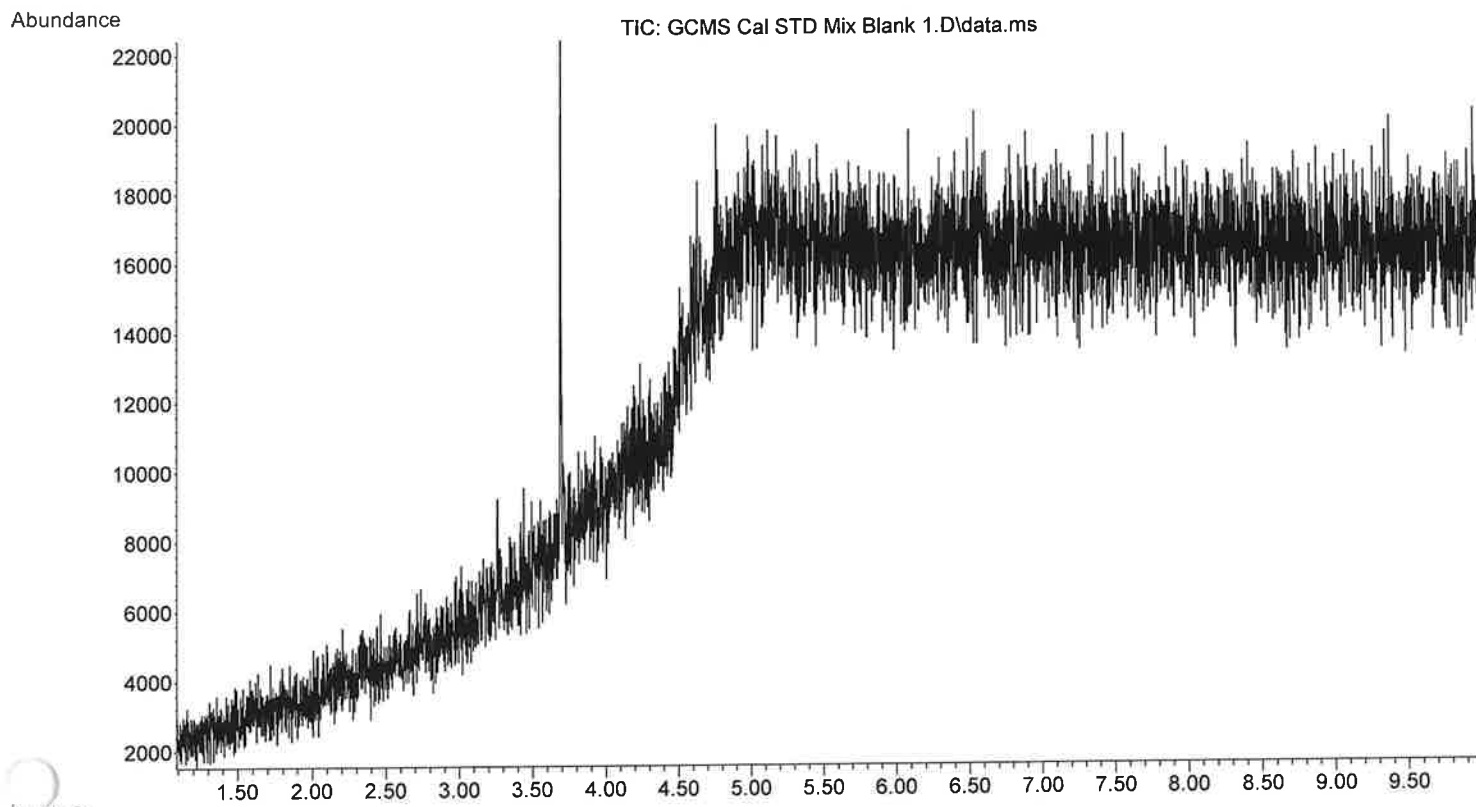
END OF DATA ANALYSIS PARAMETERS

Tue Apr 04 07:58:19 2023

402

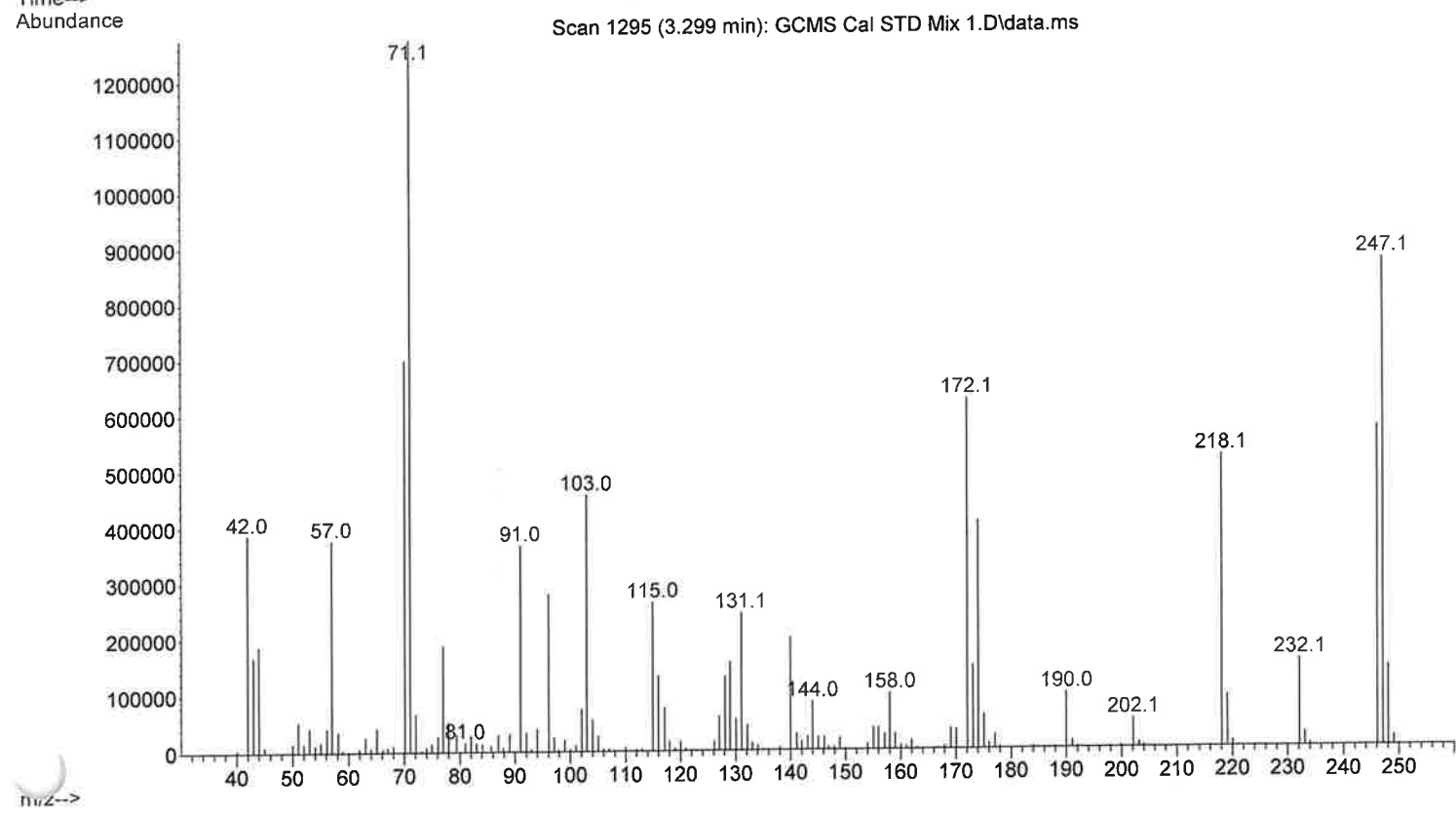
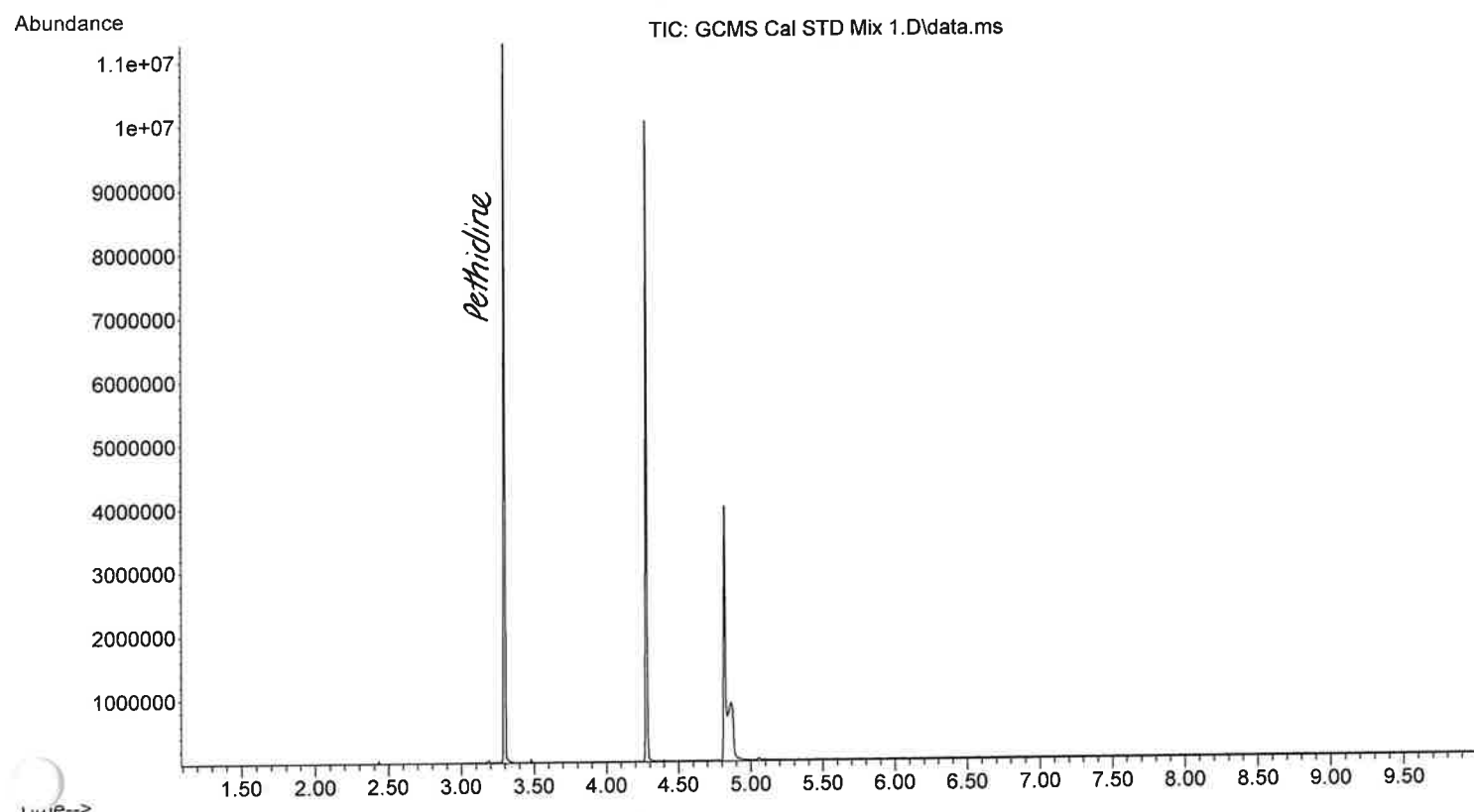
File :X:\2023\IB\04-12-23\GCMS Cal STD Mix Blank 1.D
Operator :
Acquired : 12 Apr 2023 12:50 using AcqMethod ASMSDRUGS100.M
Instrument : Stringbean
Sample Name: GCMS Cal STD Mix Blank 100
Misc Info : MEOH
Vial Number: 2

NCSD



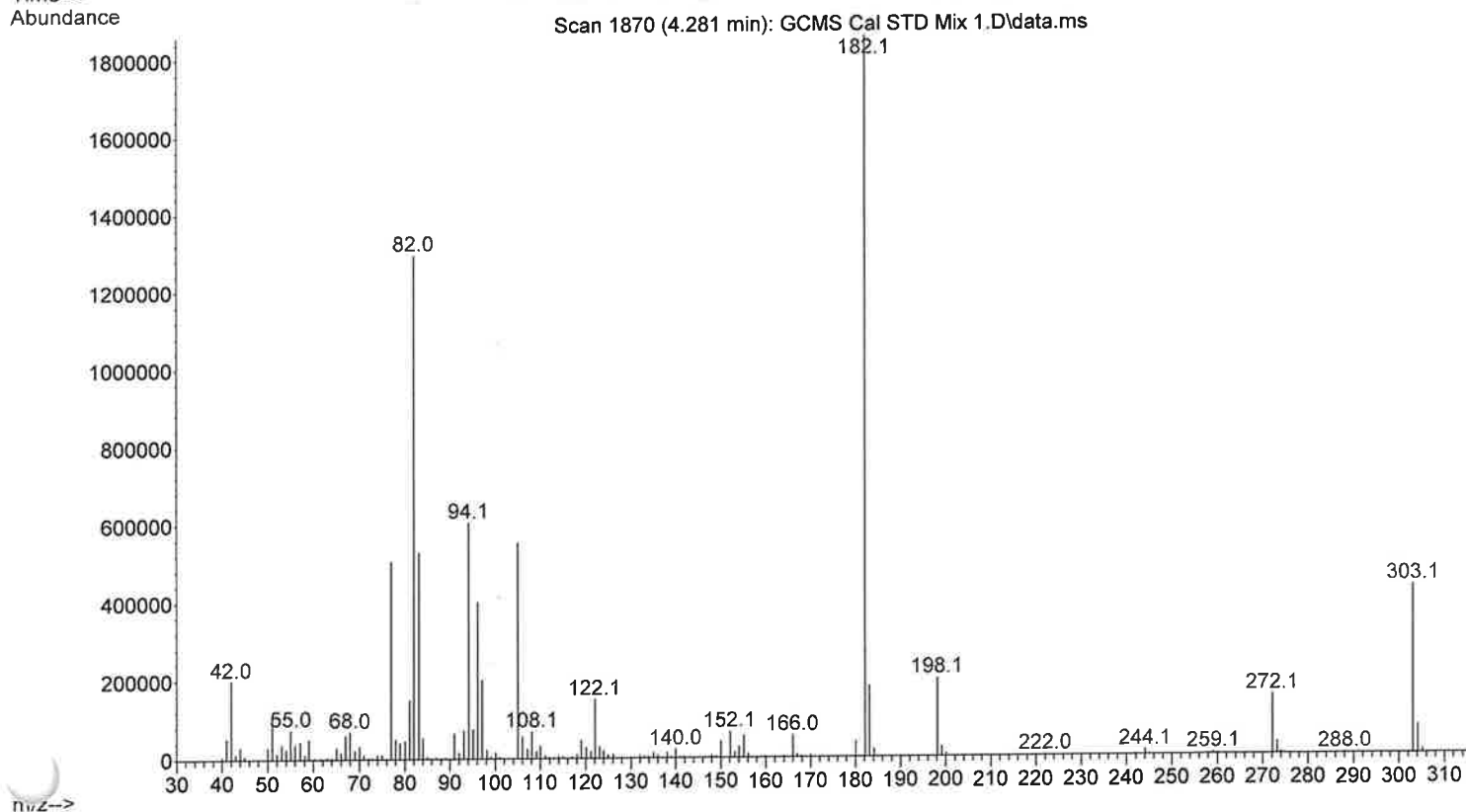
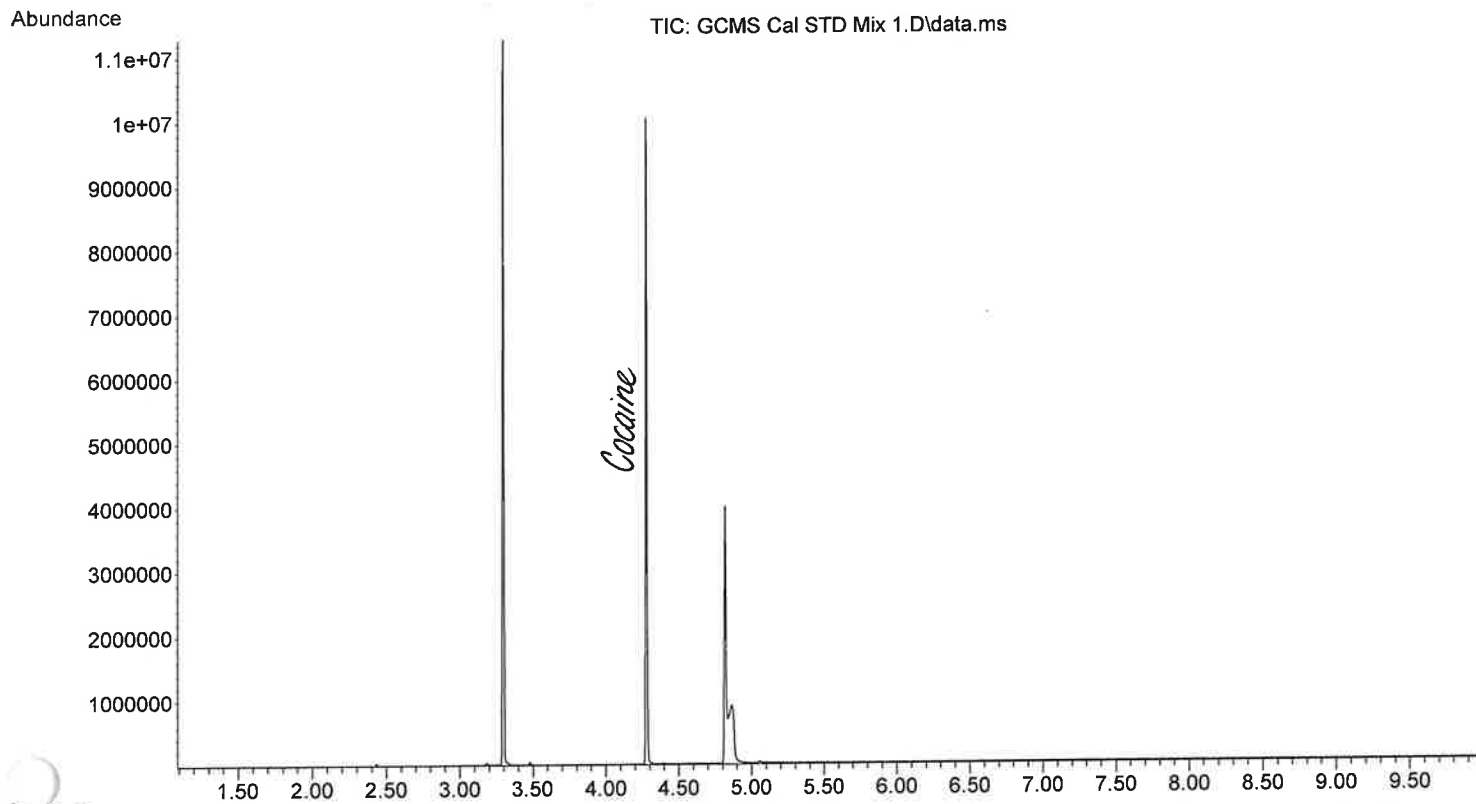
alb

File : X:\2023\IB\04-12-23\GCMS Cal STD Mix 1.D
Operator :
Acquired : 12 Apr 2023 13:03 using AcqMethod ASMSDRUGS100.M
Instrument : Stringbean
Sample Name: GCMS Cal STD Mix 100
Misc Info : MEOH, Exp.03-20-24
Vial Number: 3



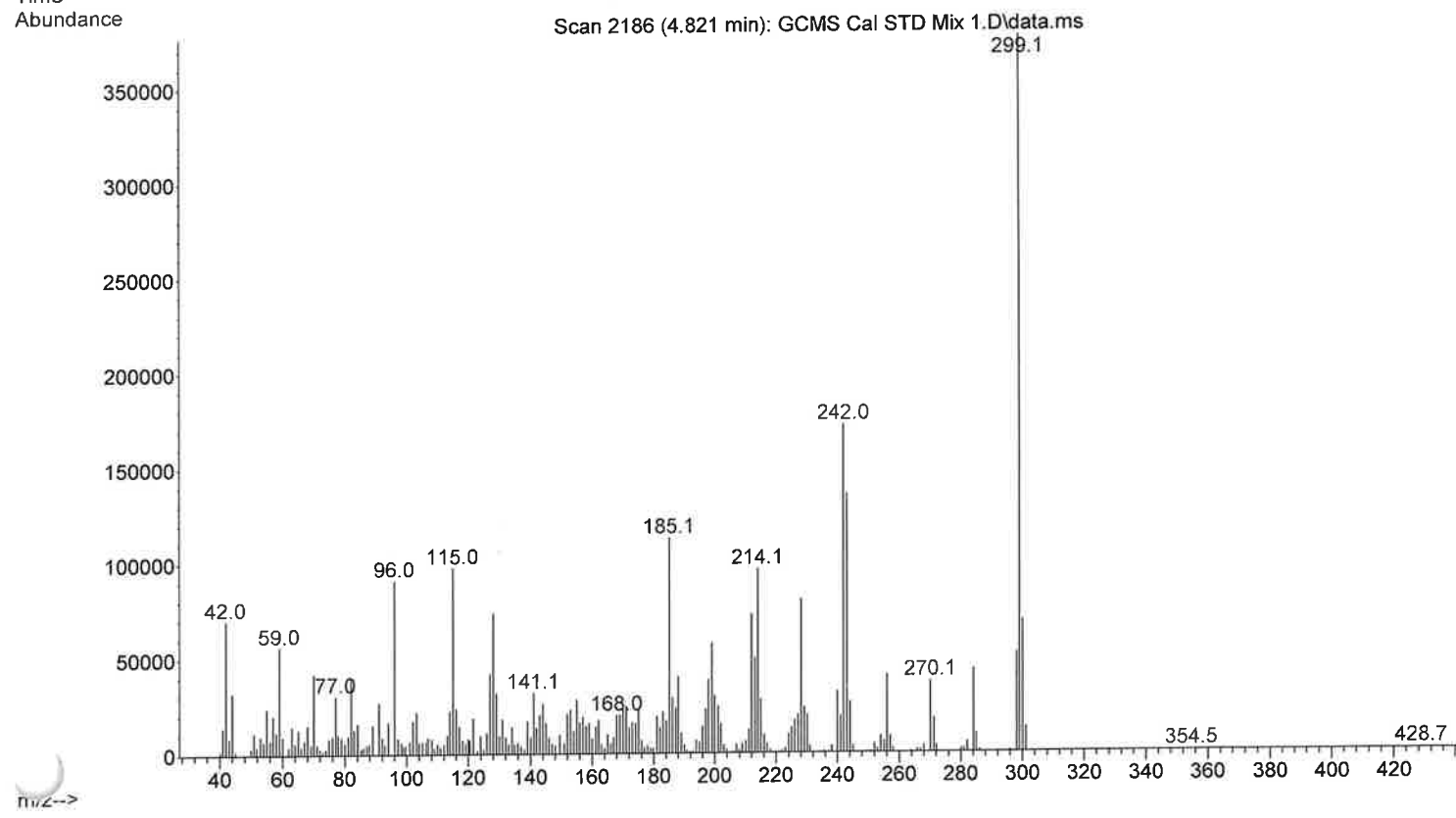
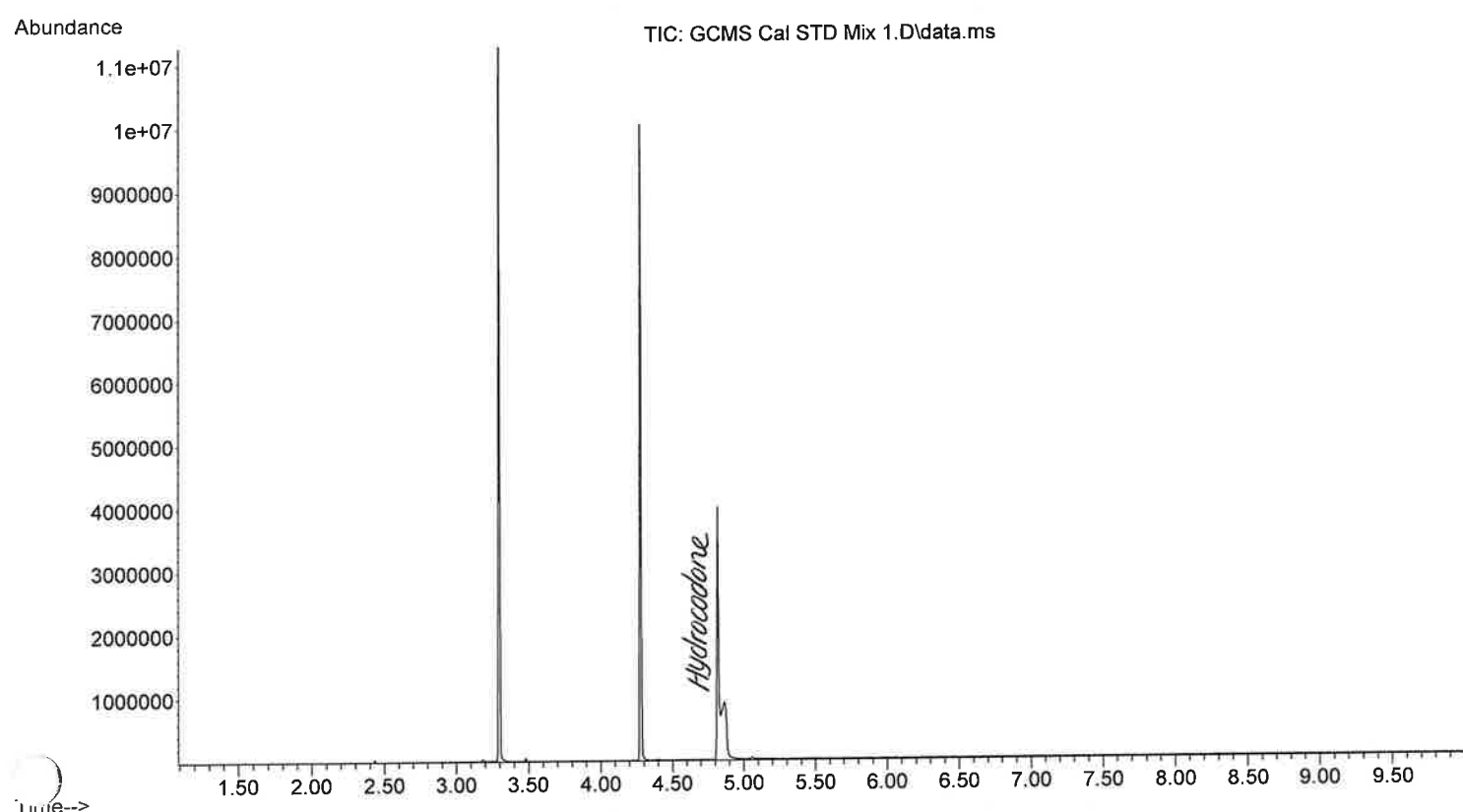
all

File :X:\2023\IB\04-12-23\GCMS Cal STD Mix 1.D
Operator :
Acquired : 12 Apr 2023 13:03 using AcqMethod ASMSDRUGS100.M
Instrument : Stringbean
Sample Name: GCMS Cal STD Mix 100
Misc Info : MEOH, Exp.03-20-24
Vial Number: 3



WZ

File : X:\2023\IB\04-12-23\GCMS Cal STD Mix 1.D
Operator :
Acquired : 12 Apr 2023 13:03 using AcqMethod ASMSDRUGS100.M
Instrument : Stringbean
Sample Name: GCMS Cal STD Mix 100
Misc Info : MEOH, Exp.03-20-24
Vial Number: 3



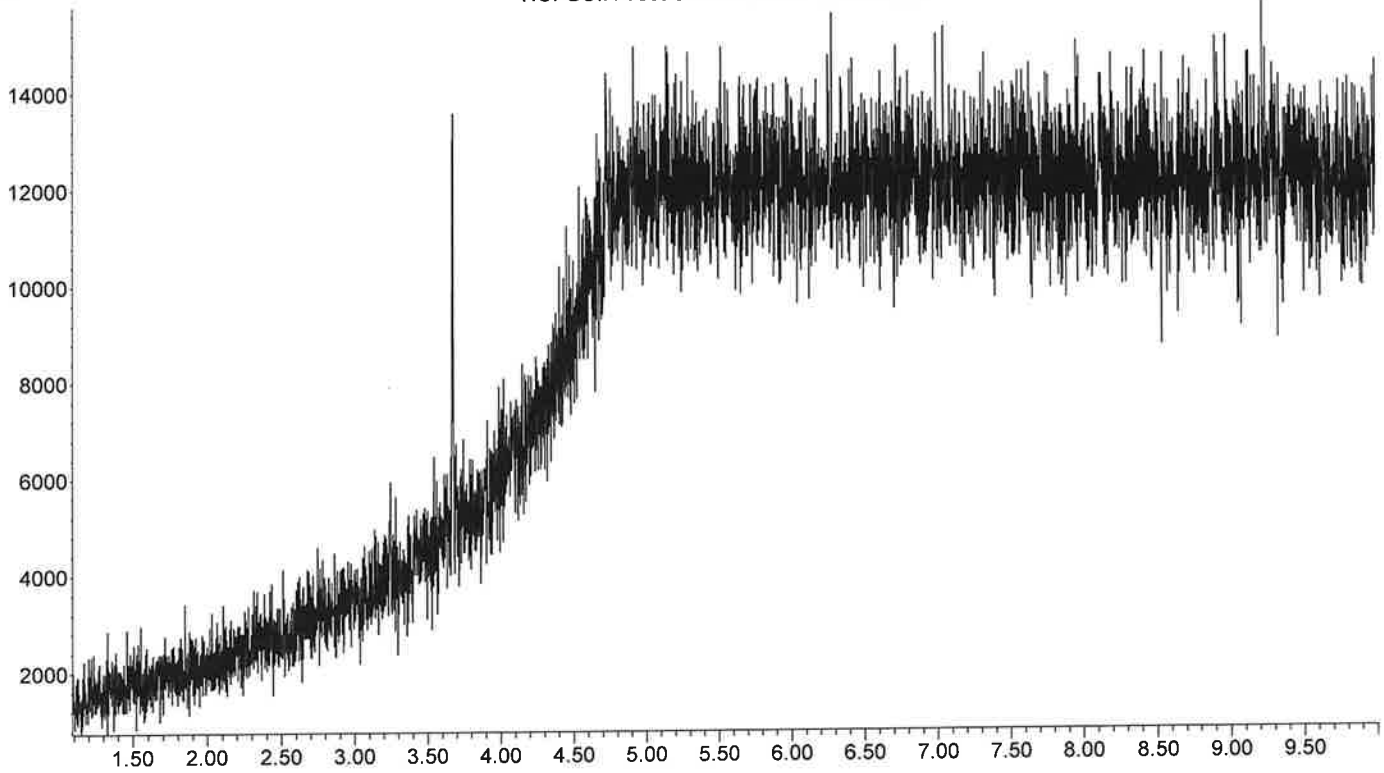
File :X:\2023\IB\04-12-23\GCIR Test Solution Blank 1.D
Operator :
Acquired : 12 Apr 2023 13:45 using AcqMethod ASMSDRUGS100.M
Instrument : Stringbean
Sample Name: GCIR Test Solution Blank 100
Misc Info : MEOH
Vial Number: 4

9/5

NCSD

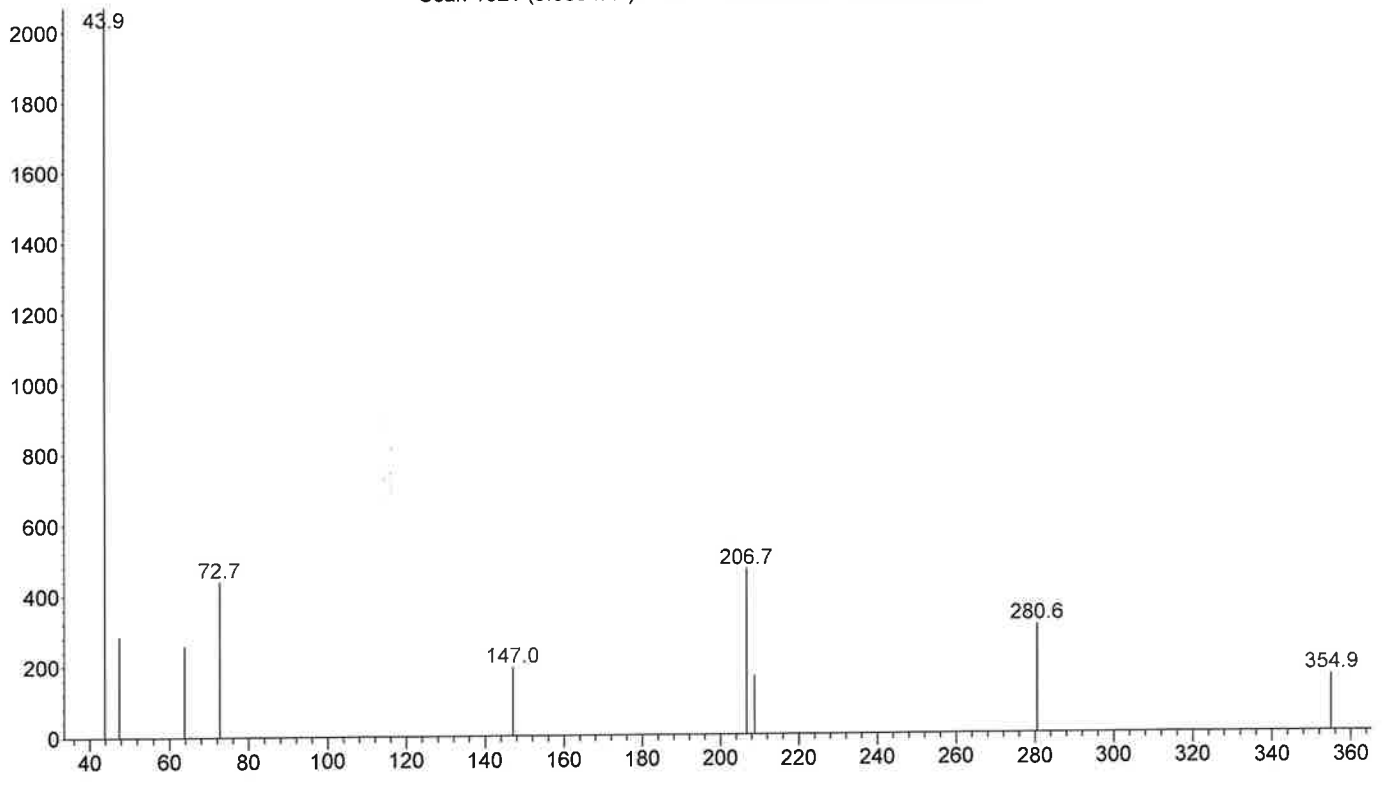
Abundance

TIC: GCIR Test Solution Blank 1.D\data.ms



Abundance

Scan 1521 (3.685 min): GCIR Test Solution Blank 1.D\data.ms

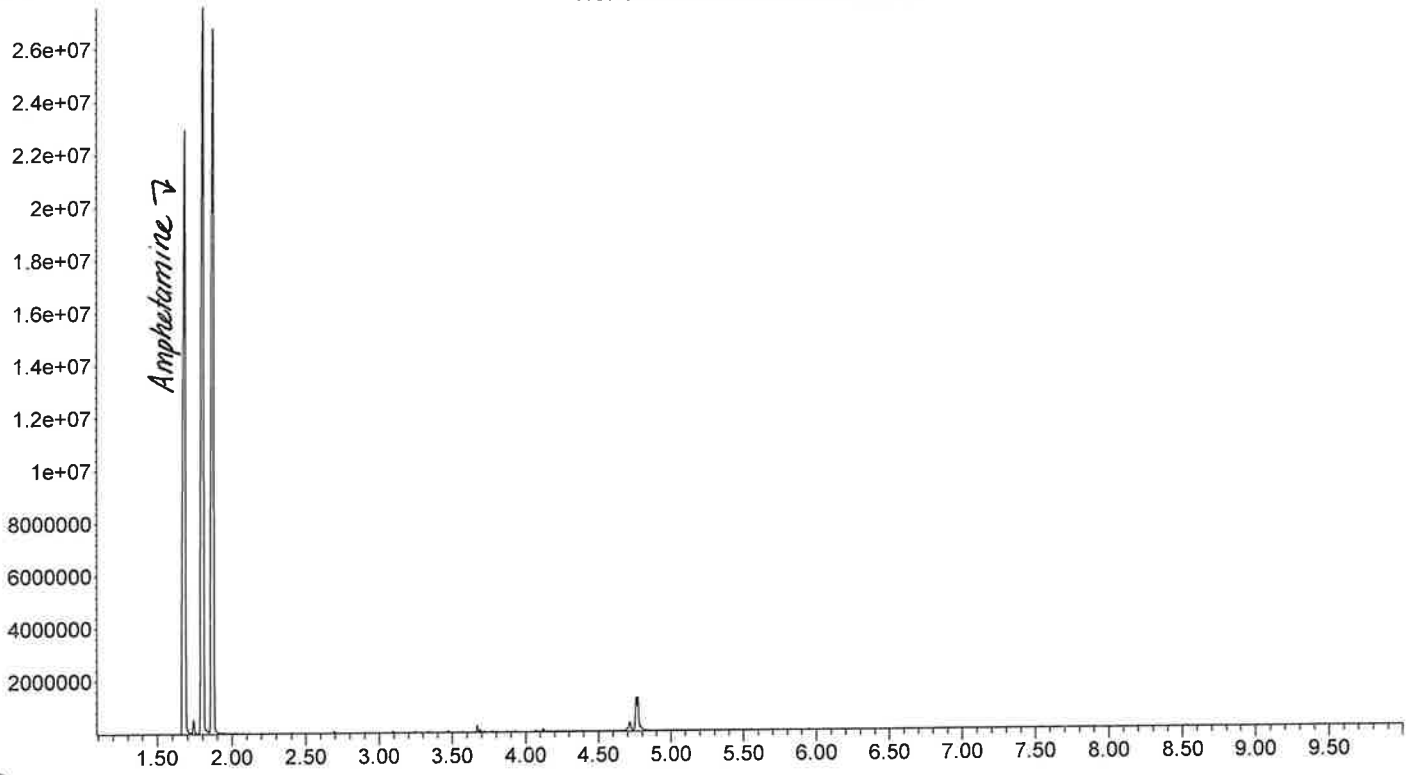


File :X:\2023\IB\04-12-23\GCIR Test Solution 1.D
Operator :
Acquired : 12 Apr 2023 13:58 using AcqMethod ASMSDRUGS100.M
Instrument : Stringbean
Sample Name: GCIR Test Solution 100
Misc Info : 0.5N NaOH/CHCL3, Exp.02-23-24
Vial Number: 5

AKB

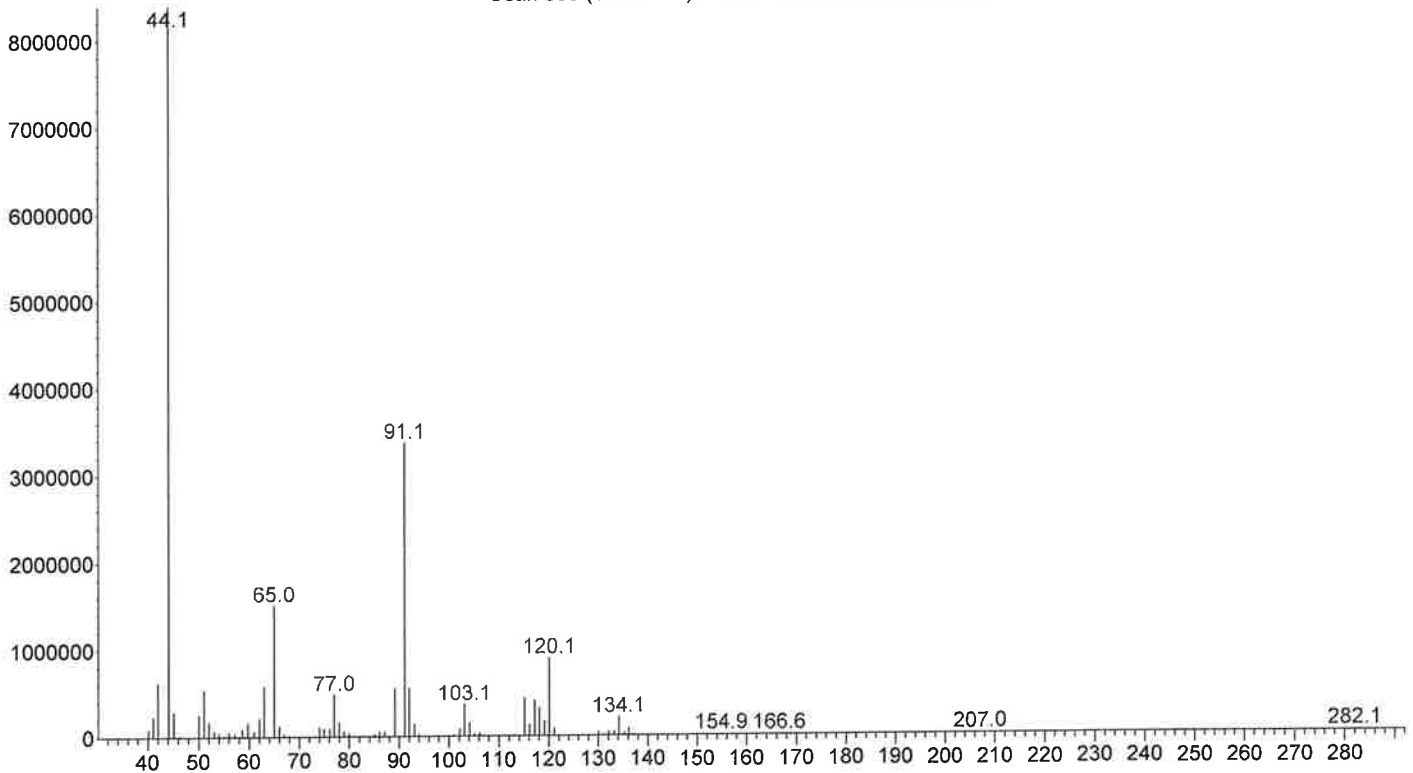
Abundance

TIC: GCIR Test Solution 1.D\data.ms



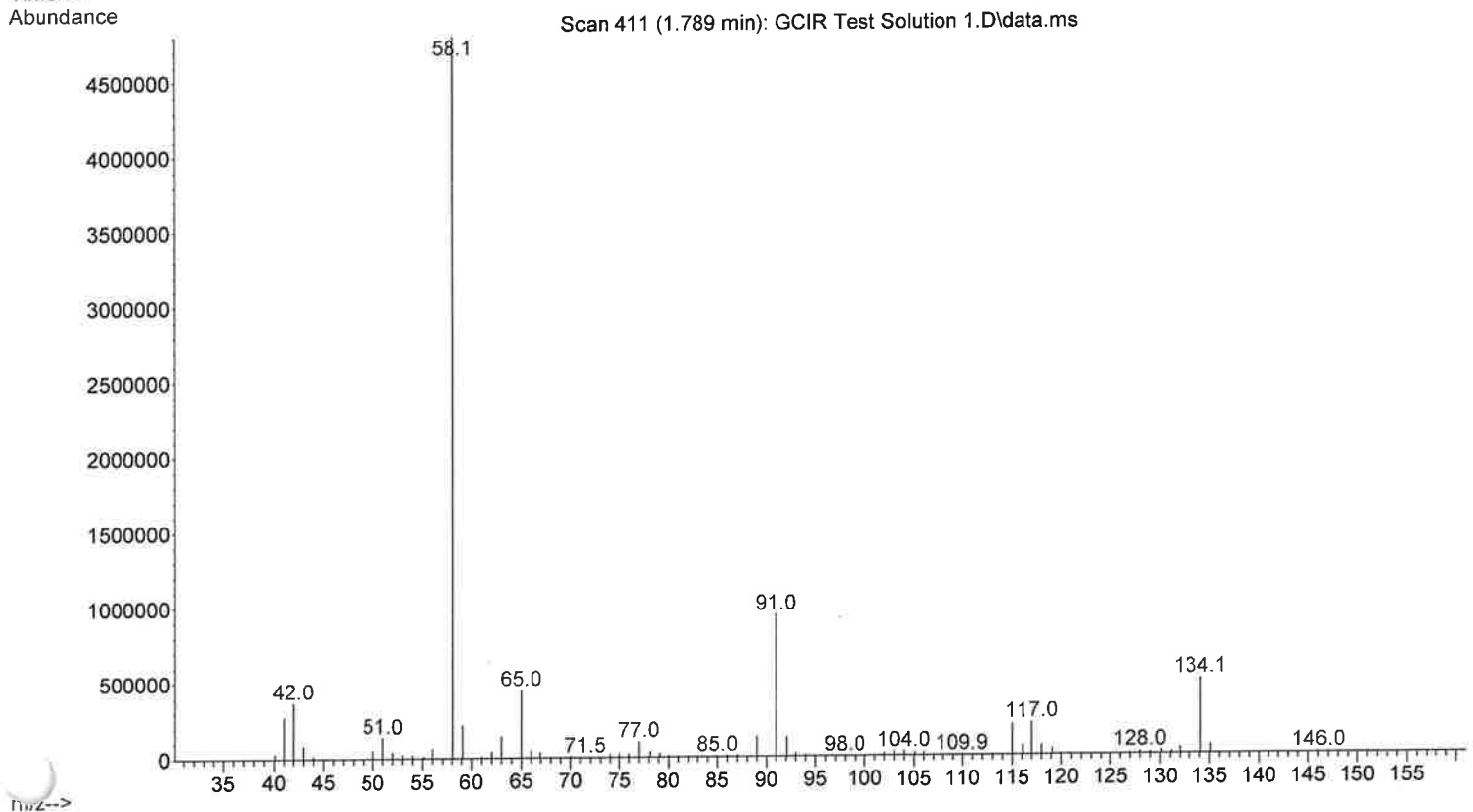
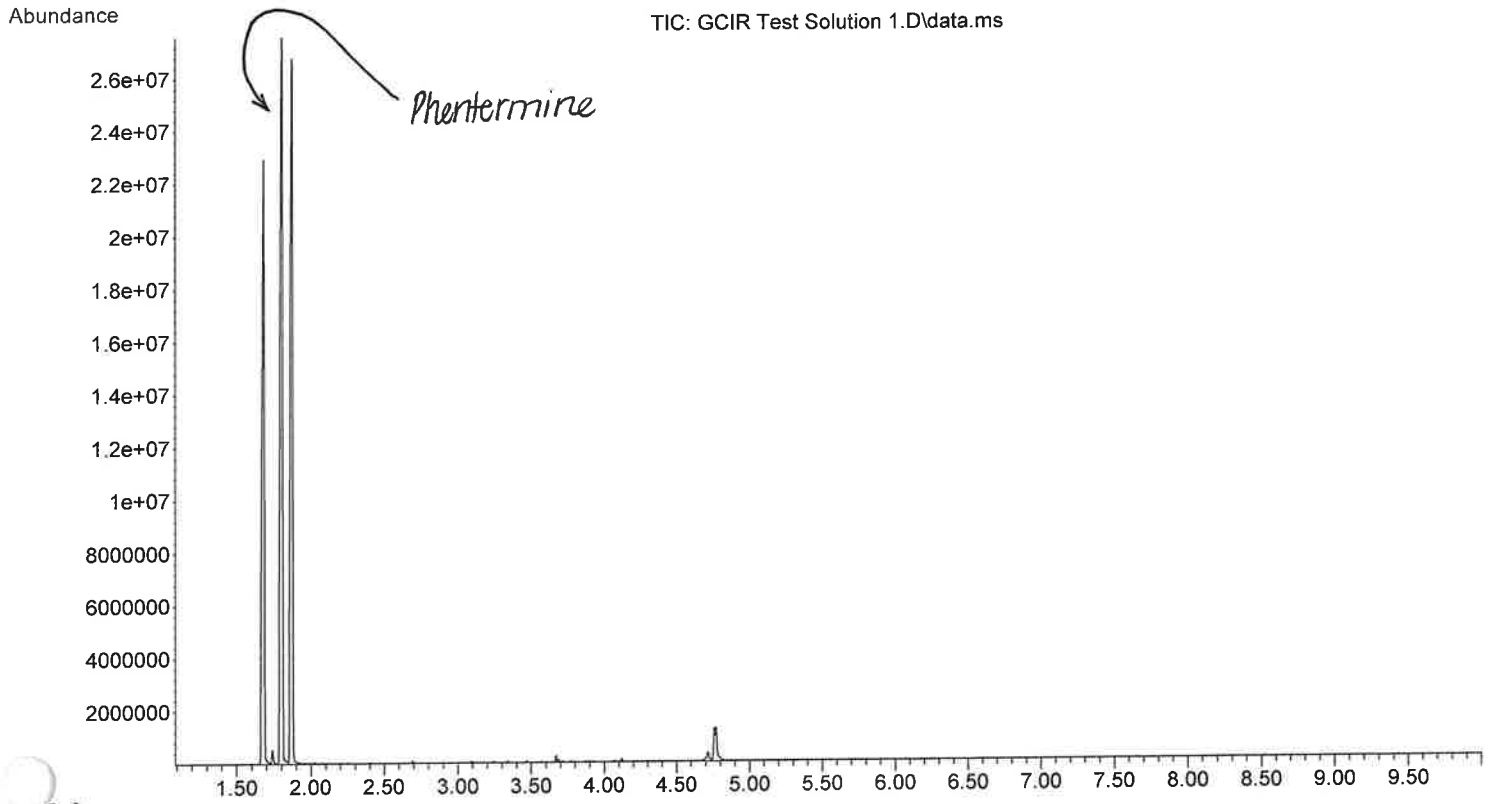
Abundance

Scan 350 (1.685 min): GCIR Test Solution 1.D\data.ms



File :X:\2023\IB\04-12-23\GCIR Test Solution 1.D
Operator :
Acquired : 12 Apr 2023 13:58 using AcqMethod ASMSDRUGS100.M
Instrument : Stringbean
Sample Name: GCIR Test Solution 100
Misc Info : 0.5N NaOH/CHCL3, Exp.02-23-24
Vi: umber: 5

916

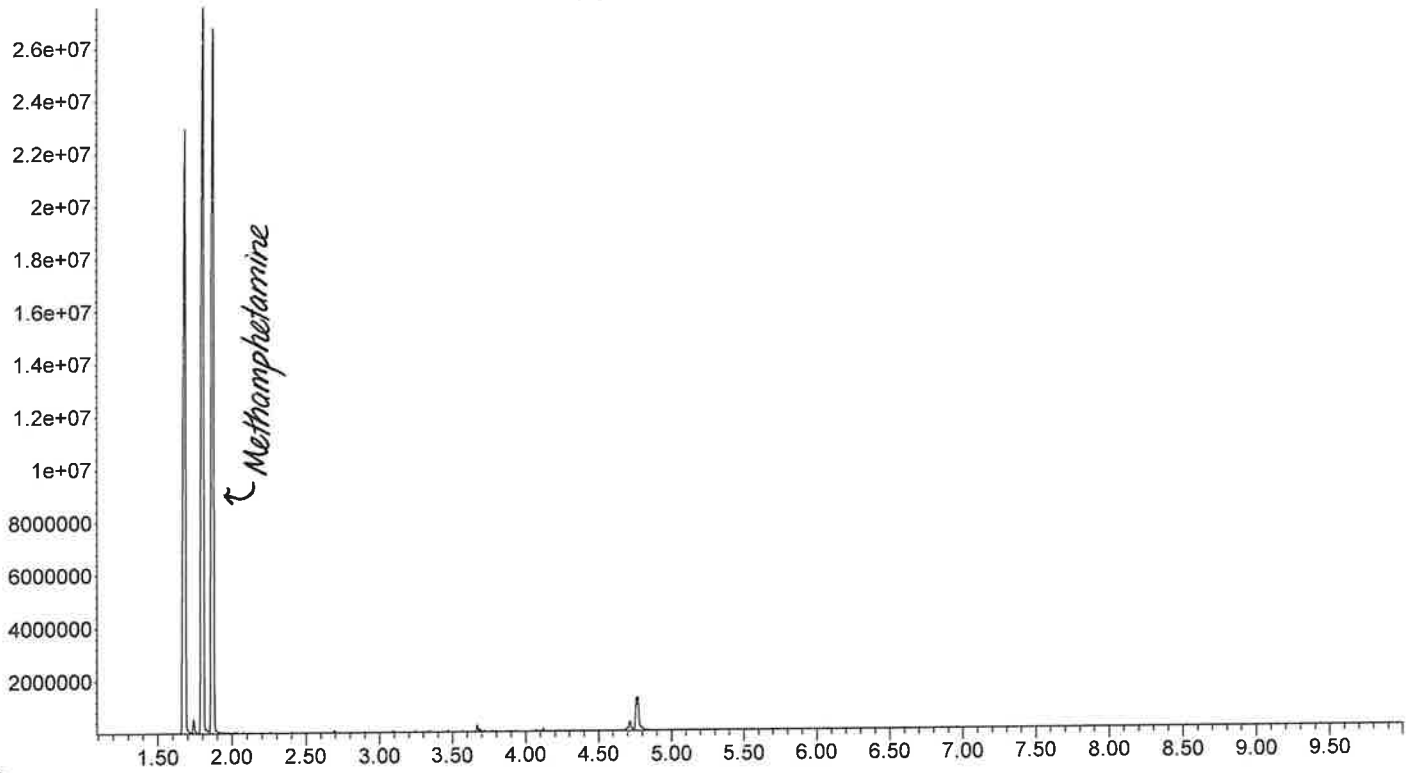


File :X:\2023\IB\04-12-23\GCIR Test Solution 1.D
Operator :
Acquired : 12 Apr 2023 13:58 using AcqMethod ASMSDRUGS100.M
Instrument : Stringbean
Sample Name: GCIR Test Solution 100
Misc Info : 0.5N NaOH/CHCL3, Exp.02-23-24
Vi: umber: 5

all

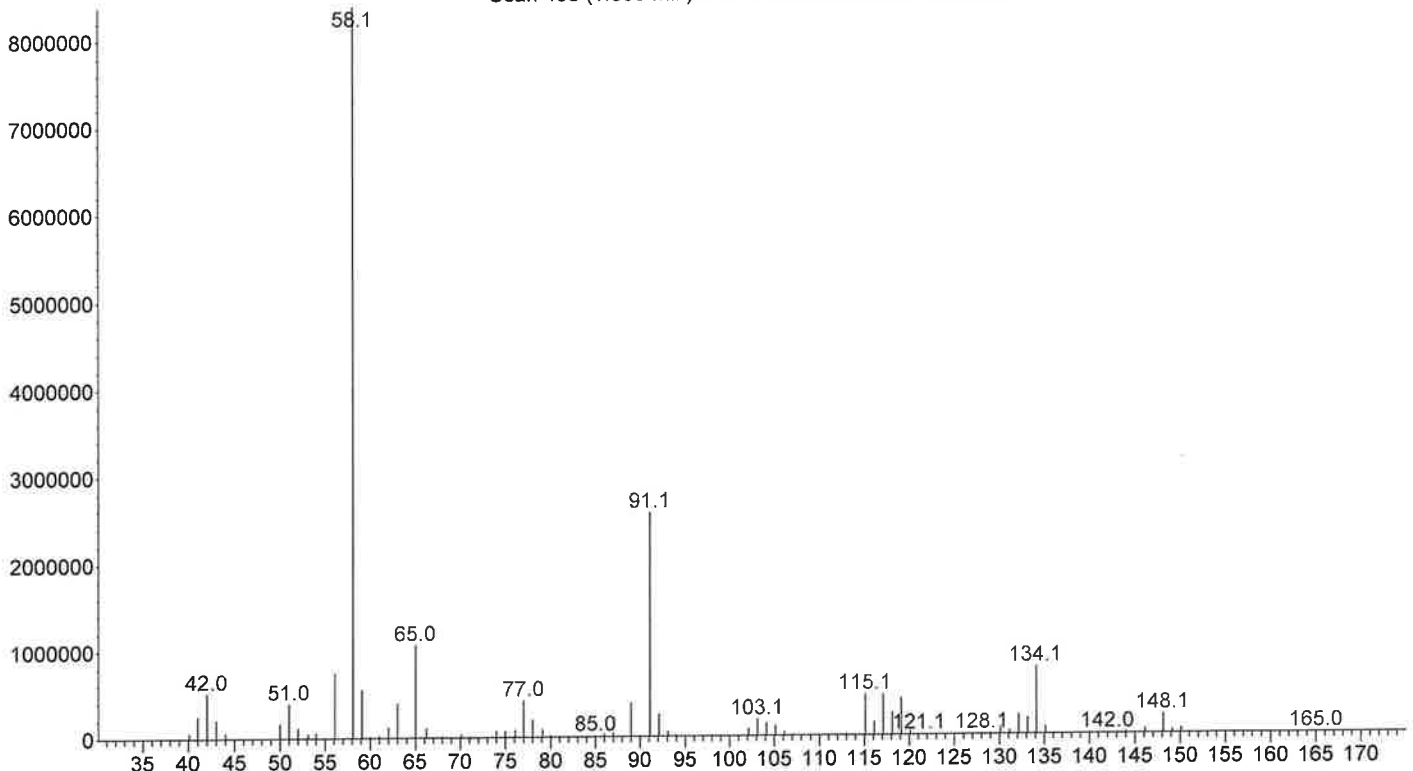
Abundance

TIC: GCIR Test Solution 1.D\data.ms

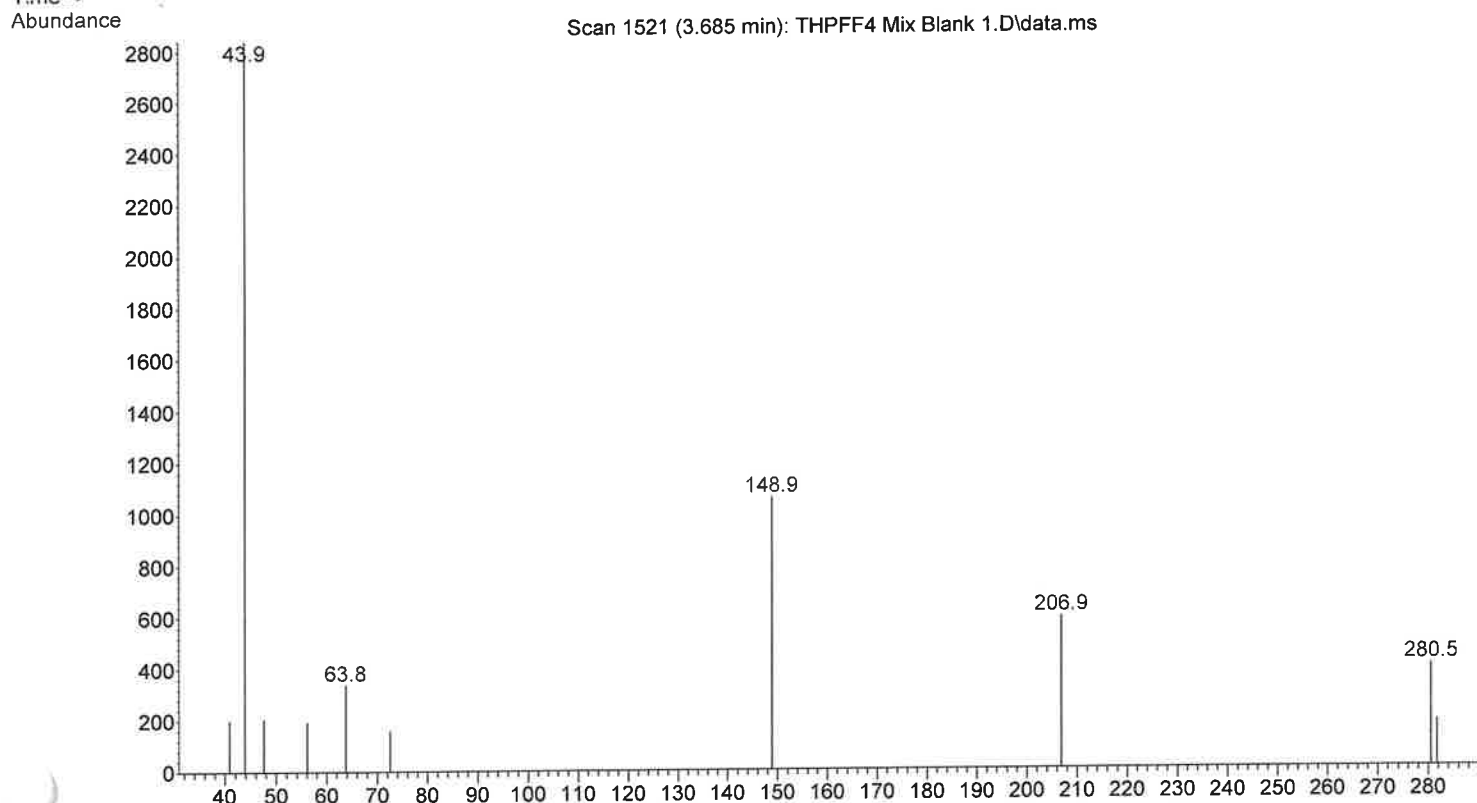
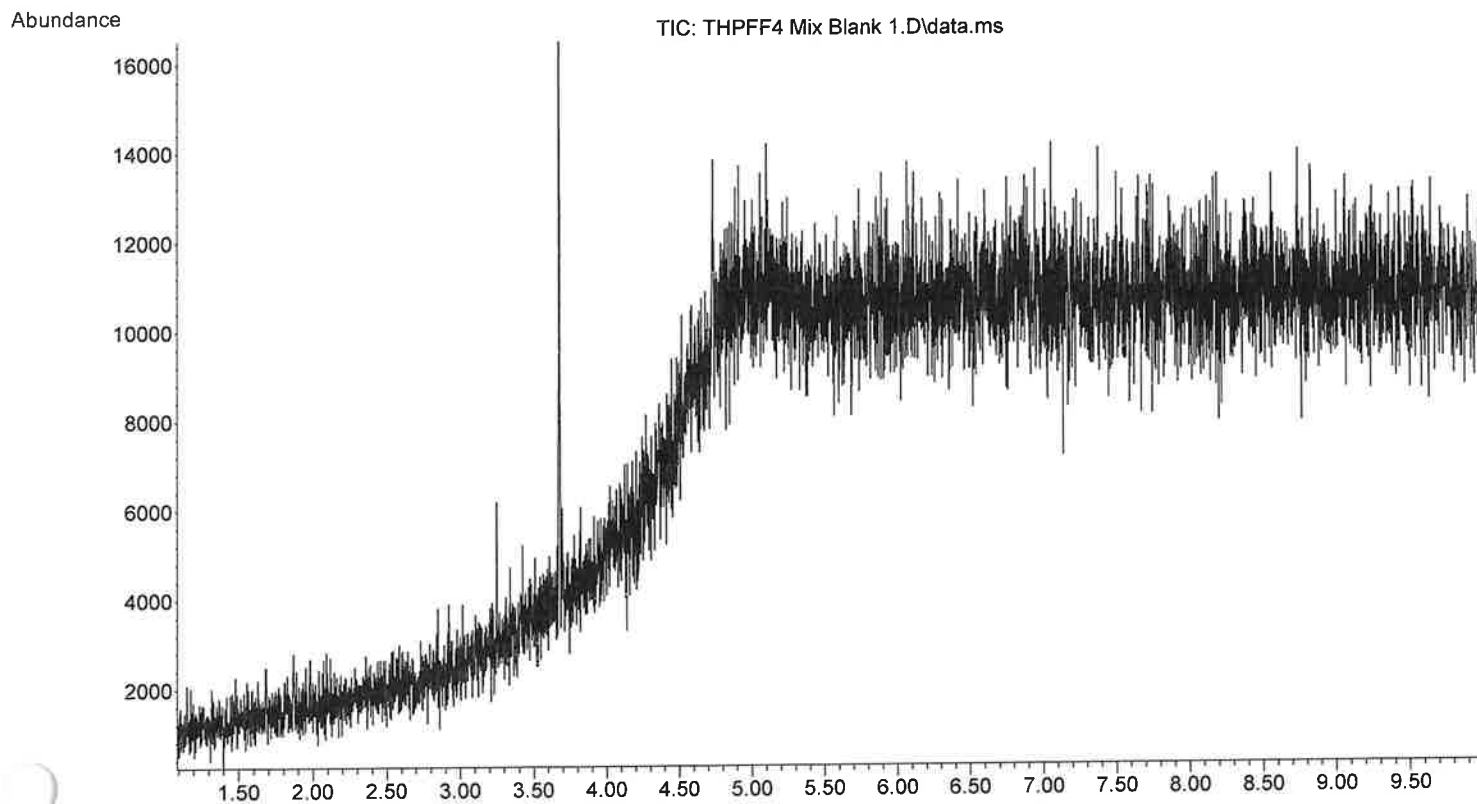


Abundance

Scan 458 (1.869 min): GCIR Test Solution 1.D\data.ms

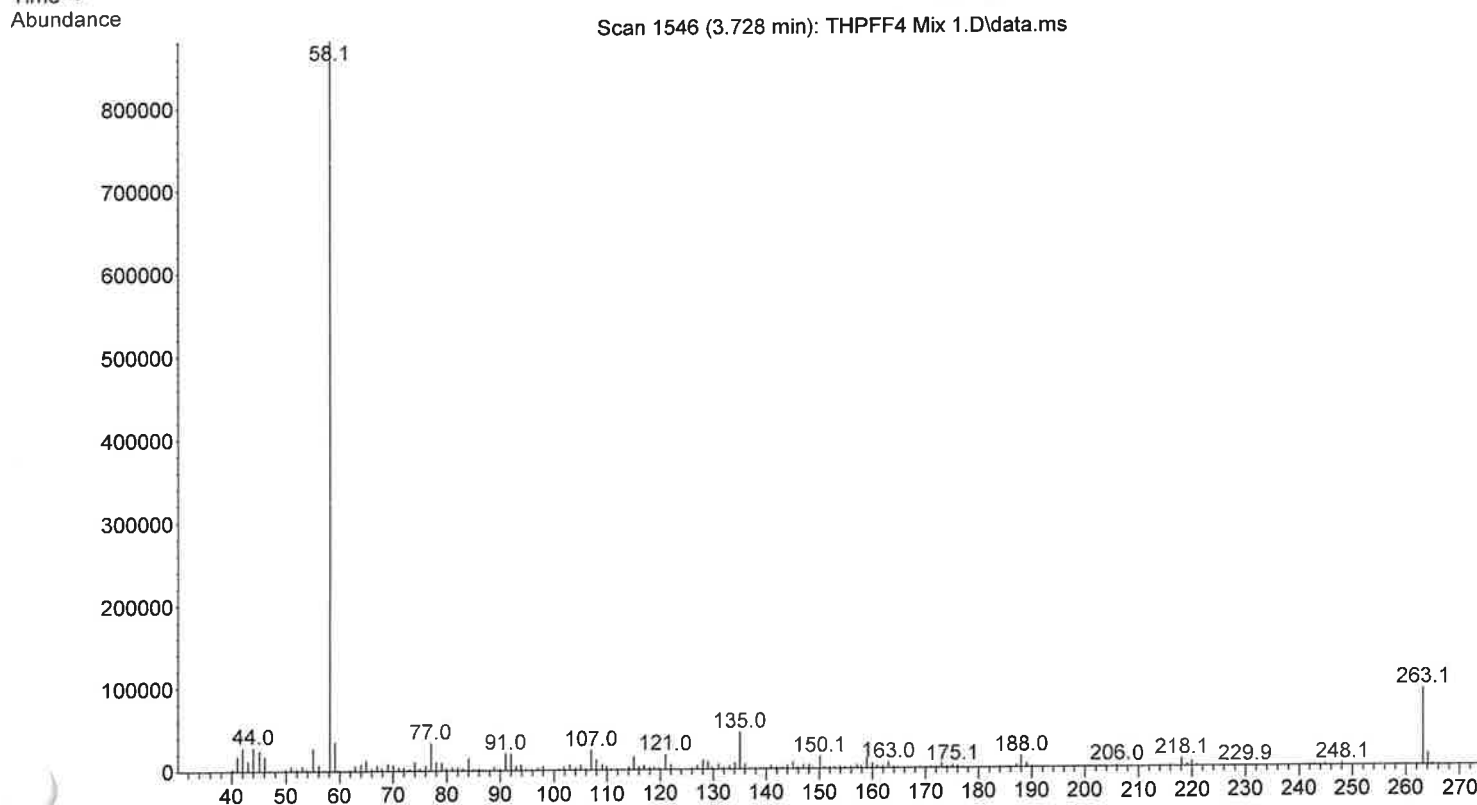
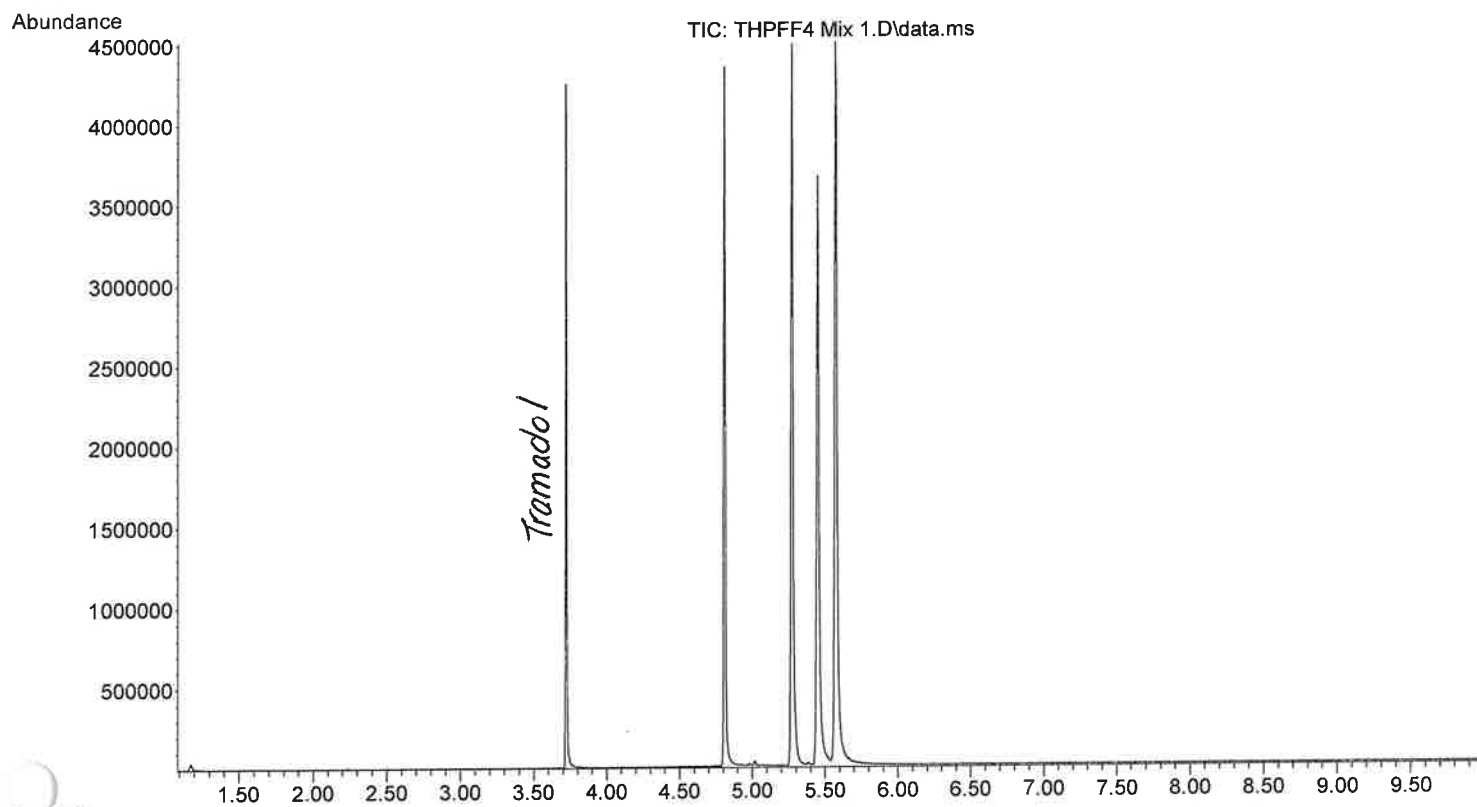


File :X:\2023\IB\04-12-23\THPFF4 Mix Blank 1.D
Operator :
Acquired : 12 Apr 2023 14:37 using AcqMethod ASMSDRUGS100.M
Instrument : Stringbean
Sample Name: THPFF4 Mix Blank 100
Misc Info : MEOH
Vial Number: 6



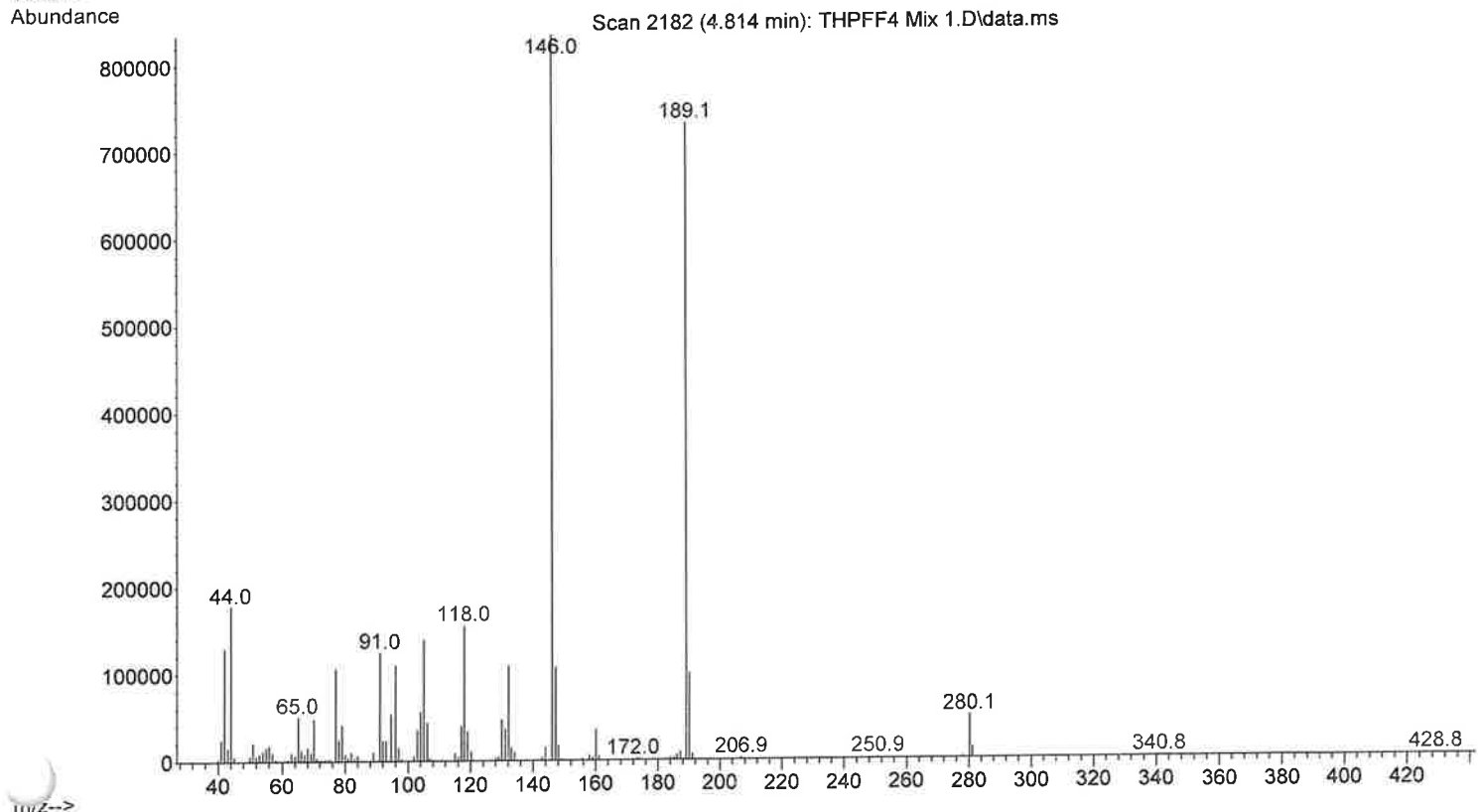
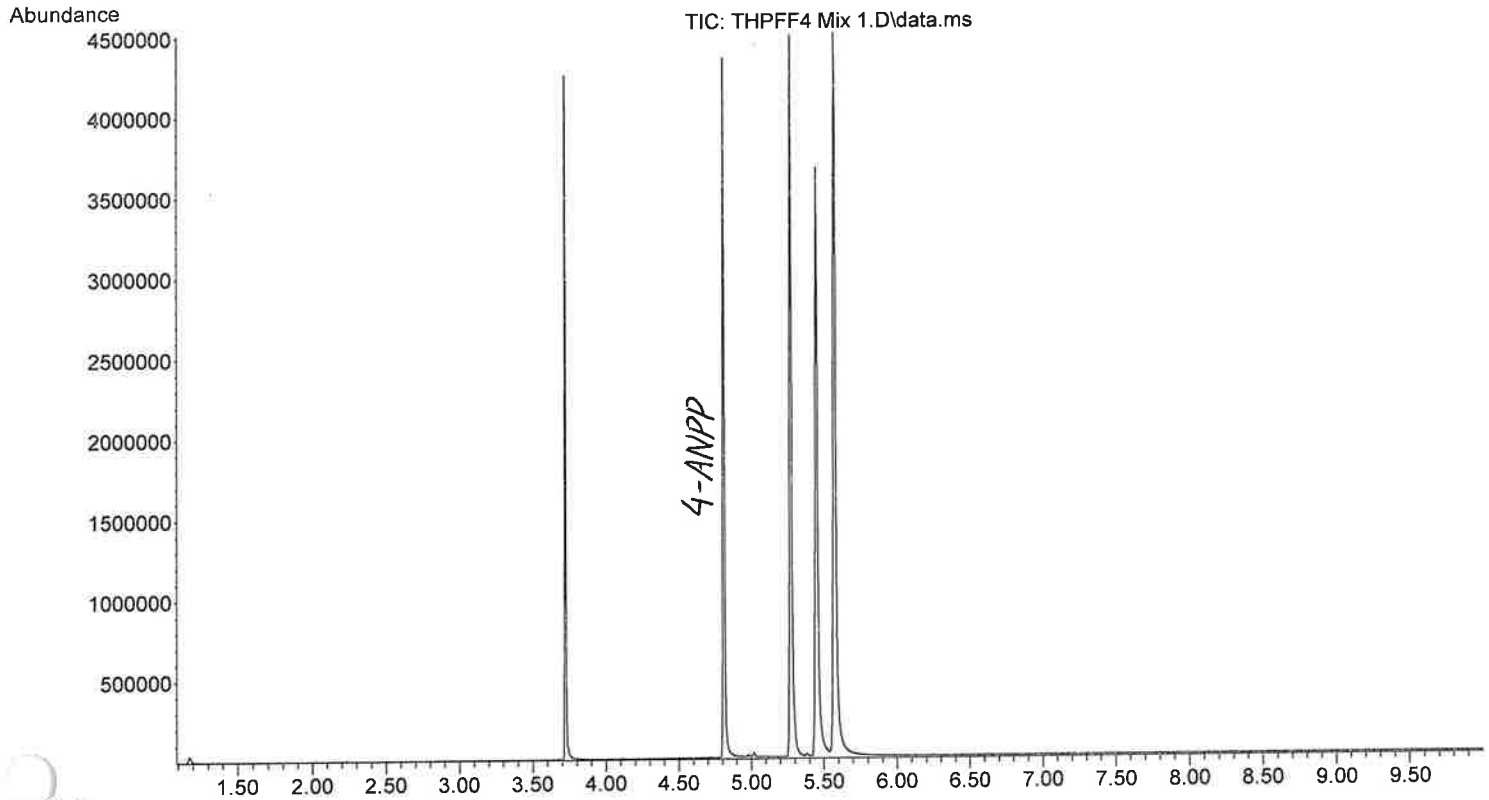
File :X:\2023\IB\04-12-23\THPFF4 Mix 1.D
Operator :
Acquired : 12 Apr 2023 14:50 using AcqMethod ASMSDRUGS100.M
Instrument : Stringbean
Sample Name: THPFF4 Mix 100
Misc Info : MEOH, Exp.03-22-24
Vi: umber: 7

all



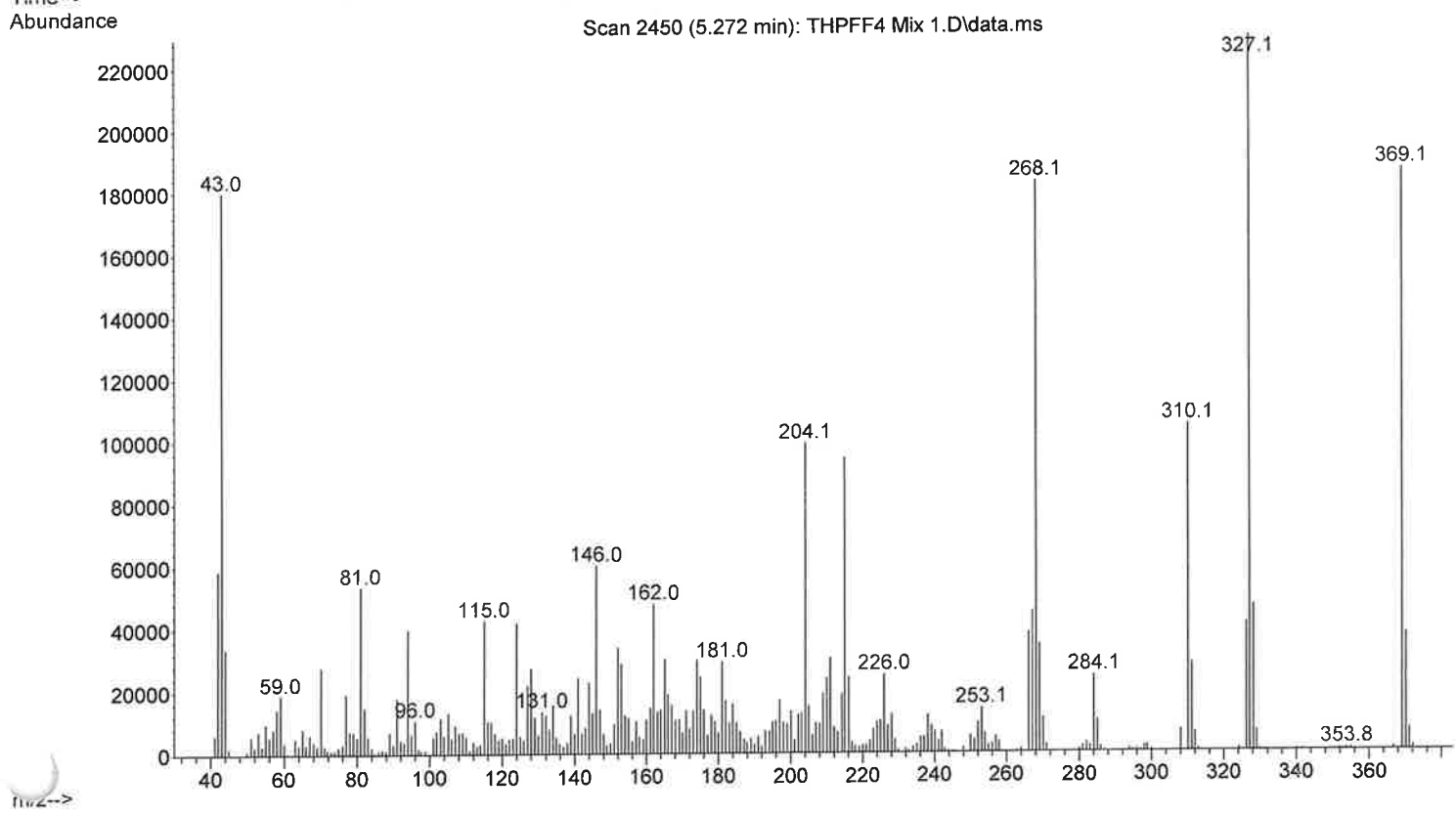
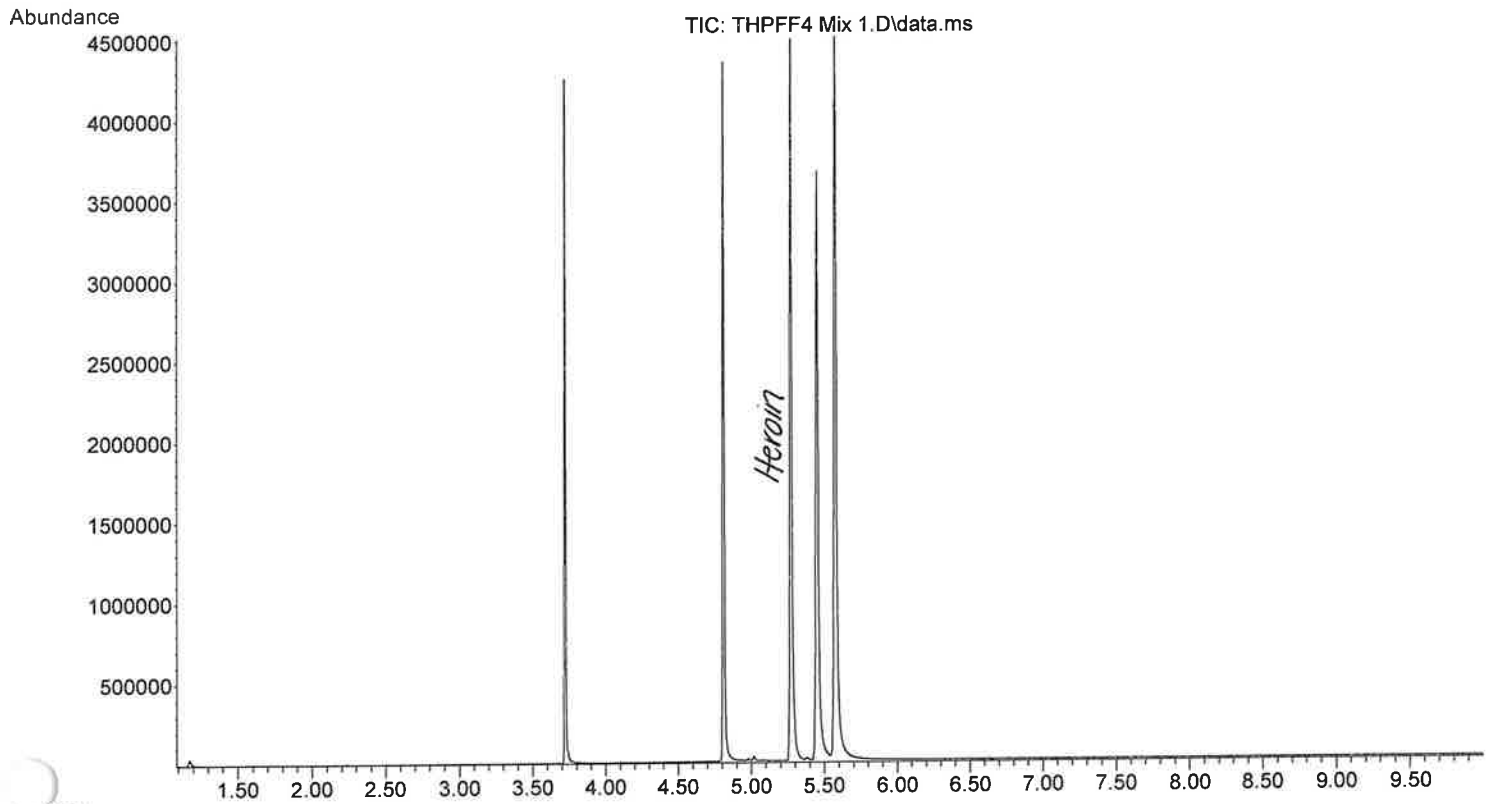
46

File :X:\2023\IB\04-12-23\THPFF4 Mix 1.D
Operator :
Acquired : 12 Apr 2023 14:50 using AcqMethod ASMSDRUGS100.M
Instrument : Stringbean
Sample Name: THPFF4 Mix 100
Misc Info : MEOH, Exp.03-22-24
Vial Number: 7



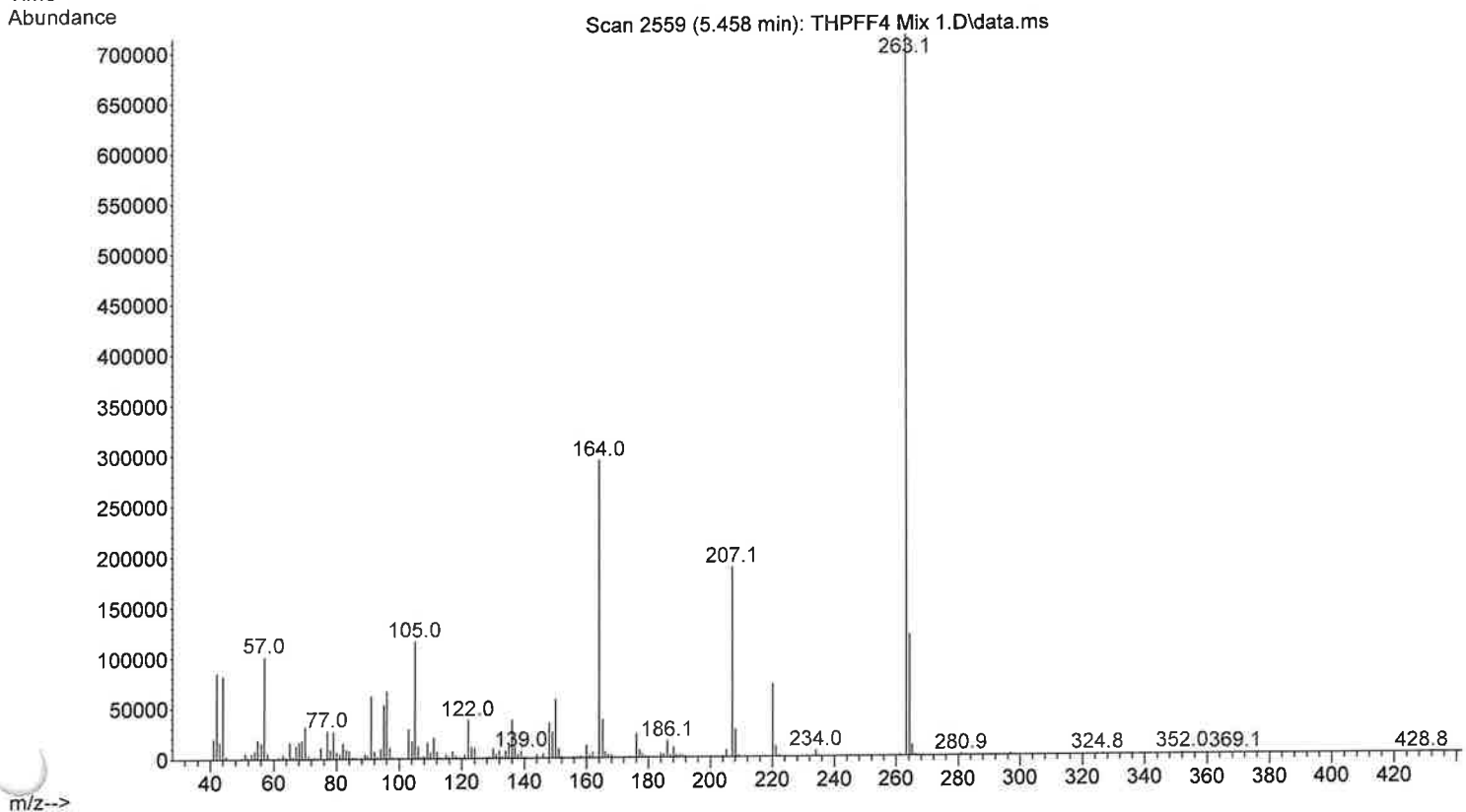
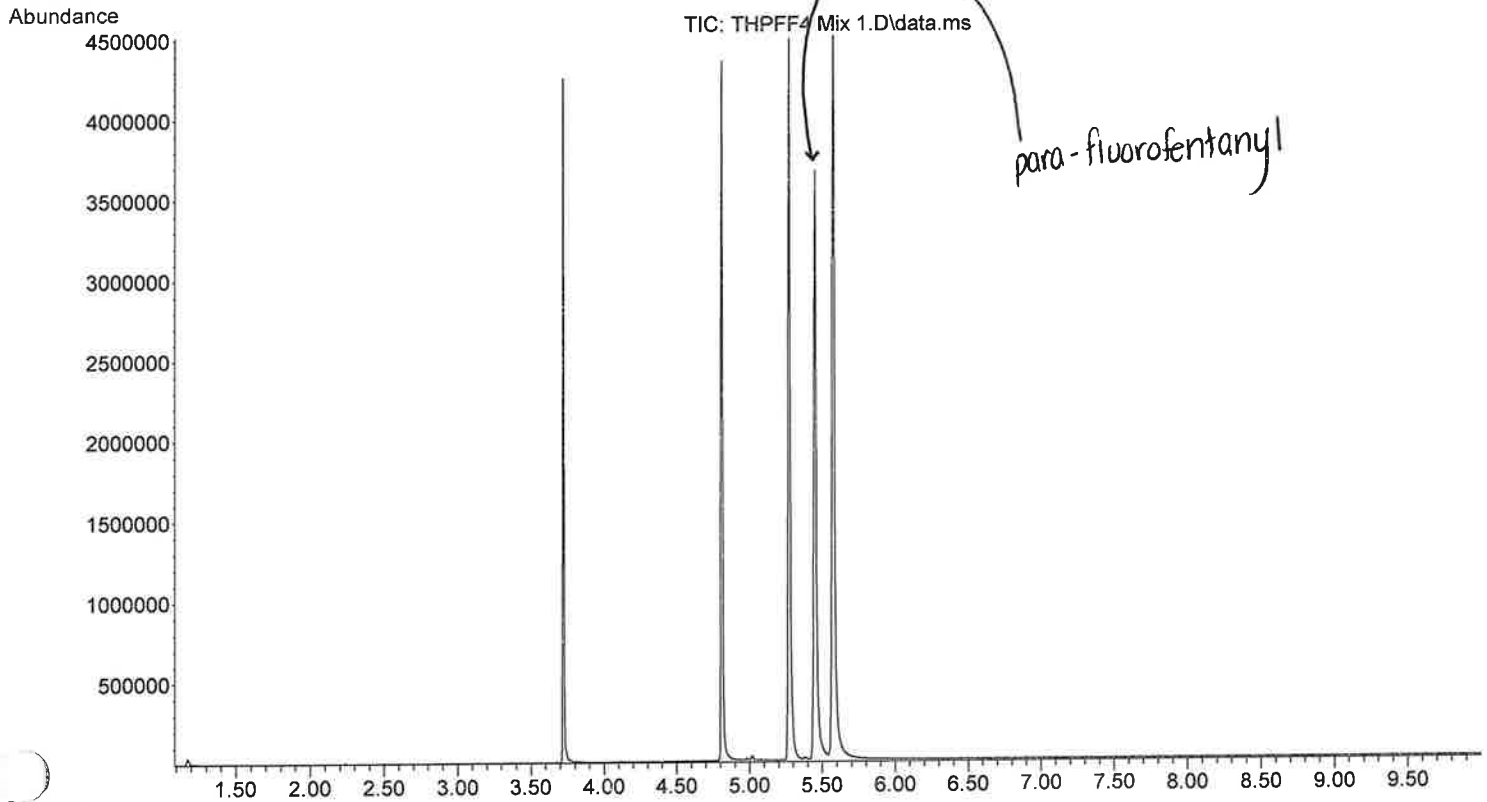
File :X:\2023\IB\04-12-23\THPFF4 Mix 1.D
Operator :
Acquired : 12 Apr 2023 14:50 using AcqMethod ASMSDRUGS100.M
Instrument : Stringbean
Sample Name: THPFF4 Mix 100
Misc Info : MEOH, Exp.03-22-24
Vial Number: 7

80



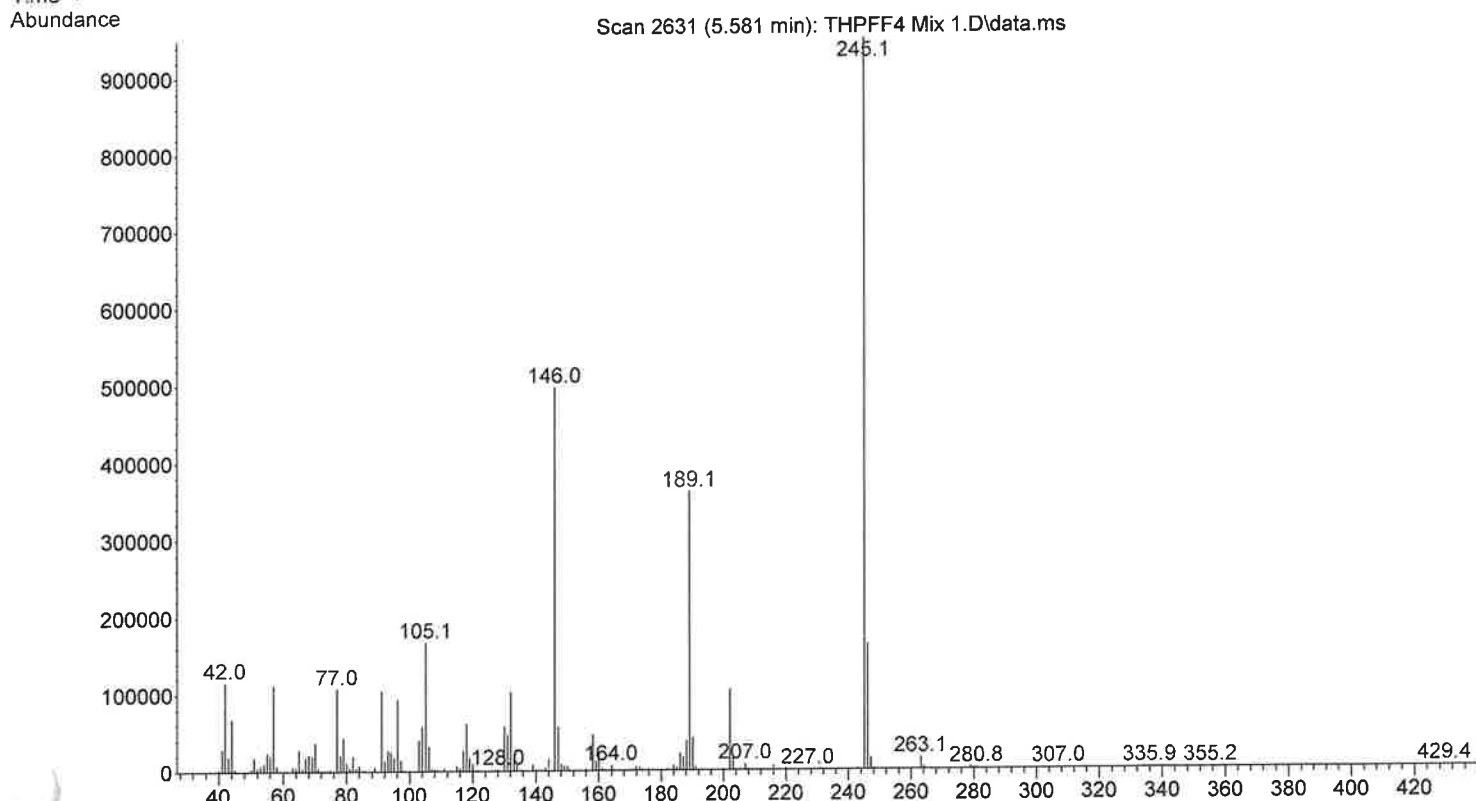
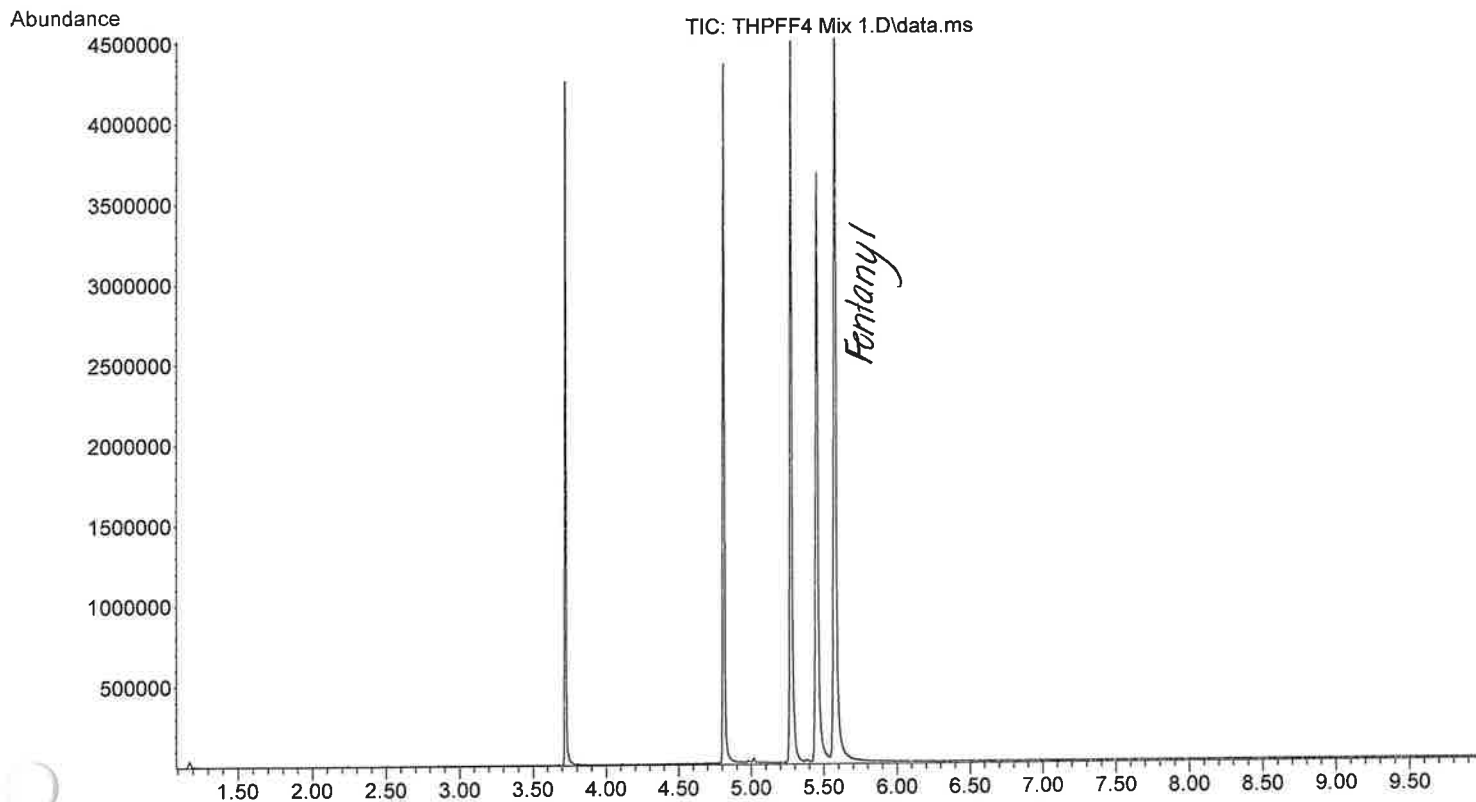
File :X:\2023\IB\04-12-23\THPFF4 Mix 1.D
Operator :
Acquired : 12 Apr 2023 14:50 using AcqMethod ASMSDRUGS100.M
Instrument : Stringbean
Sample Name: THPFF4 Mix 100
Misc Info : MEOH, Exp.03-22-24
Vial Number: 7

UR



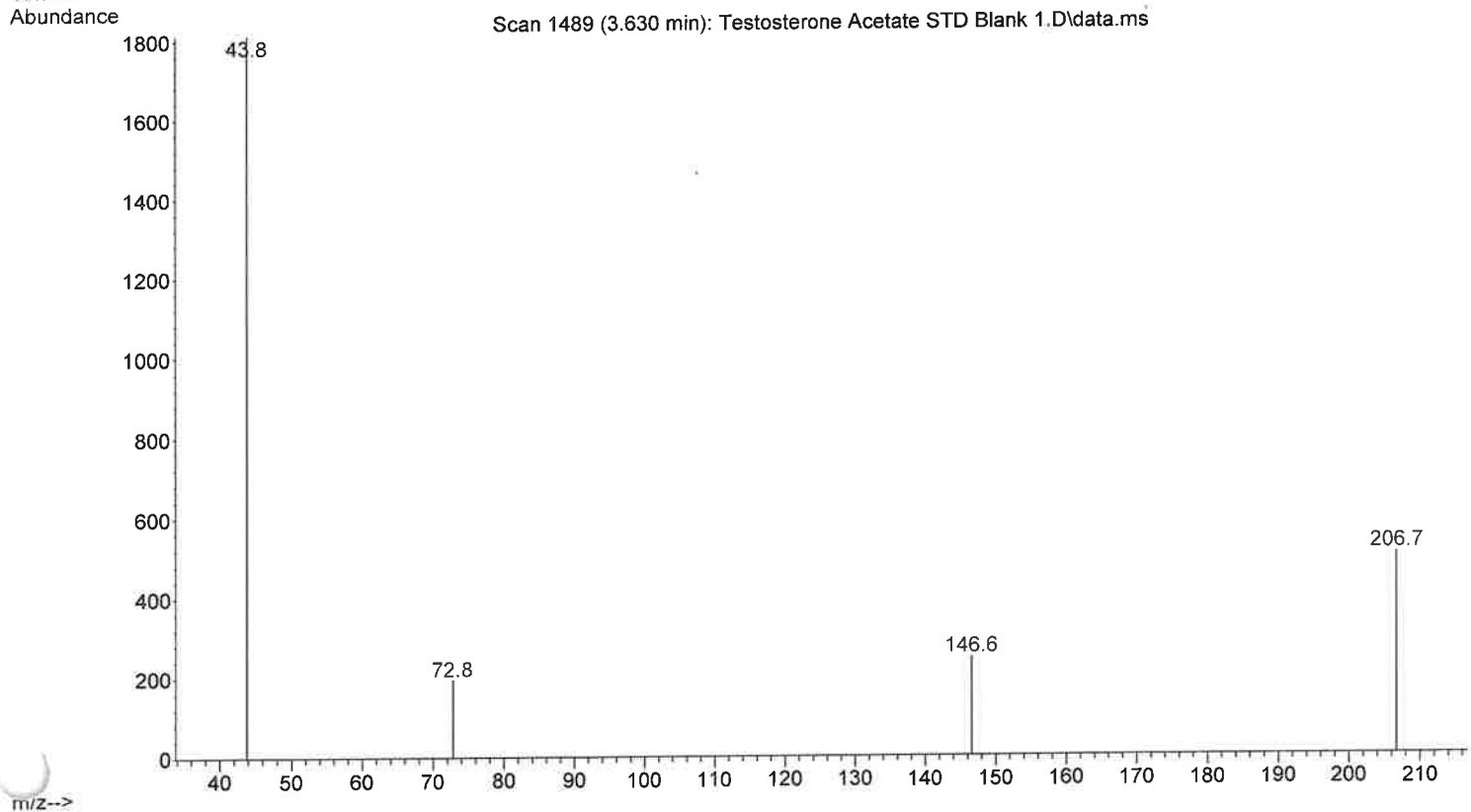
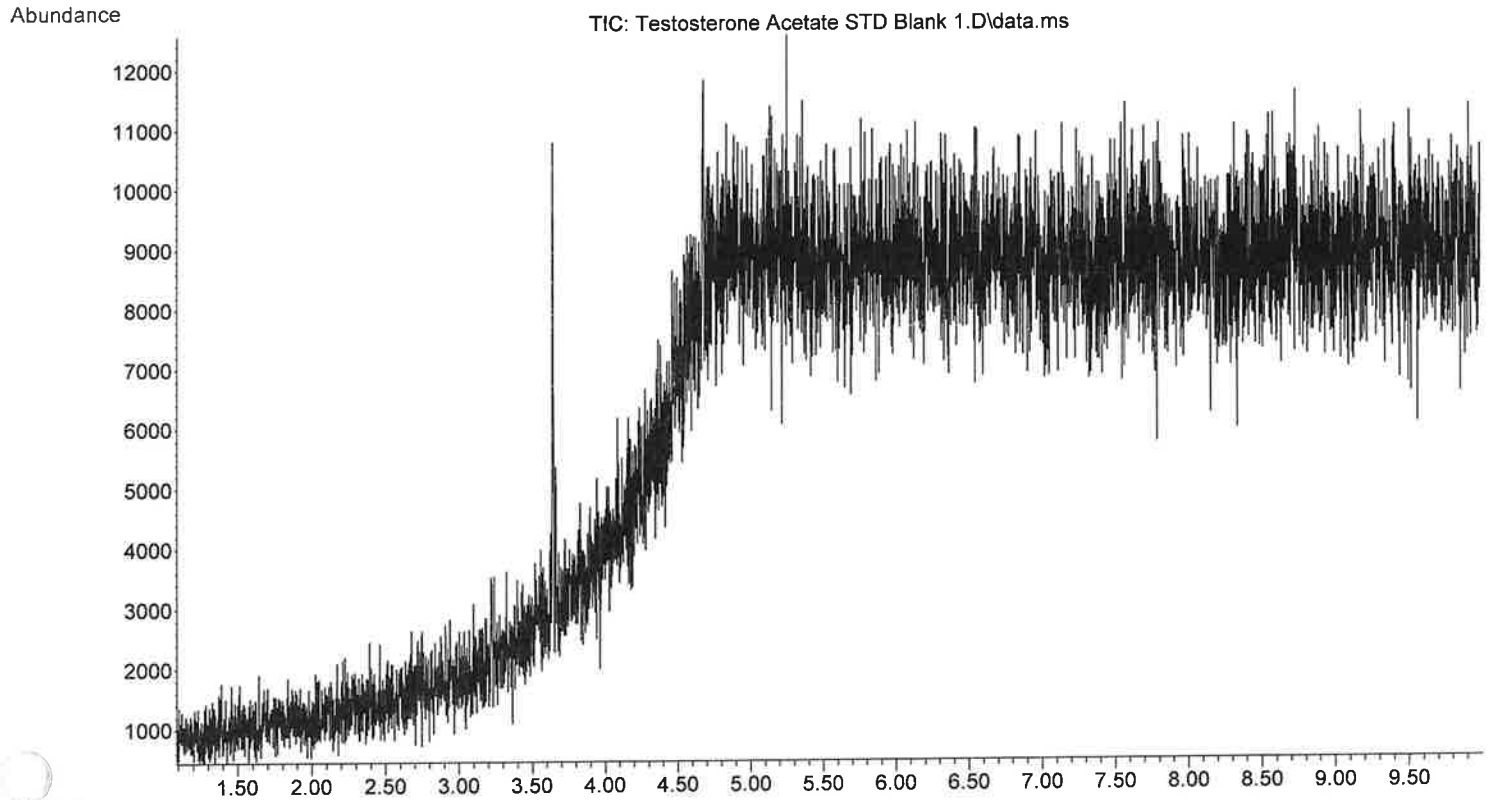
File :X:\2023\IB\04-12-23\THPFF4 Mix 1.D
Operator :
Acquired : 12 Apr 2023 14:50 using AcqMethod ASMSDRUGS100.M
Instrument : Stringbean
Sample Name: THPFF4 Mix 100
Misc Info : MEOH, Exp.03-22-24
Vial Number: 7

all



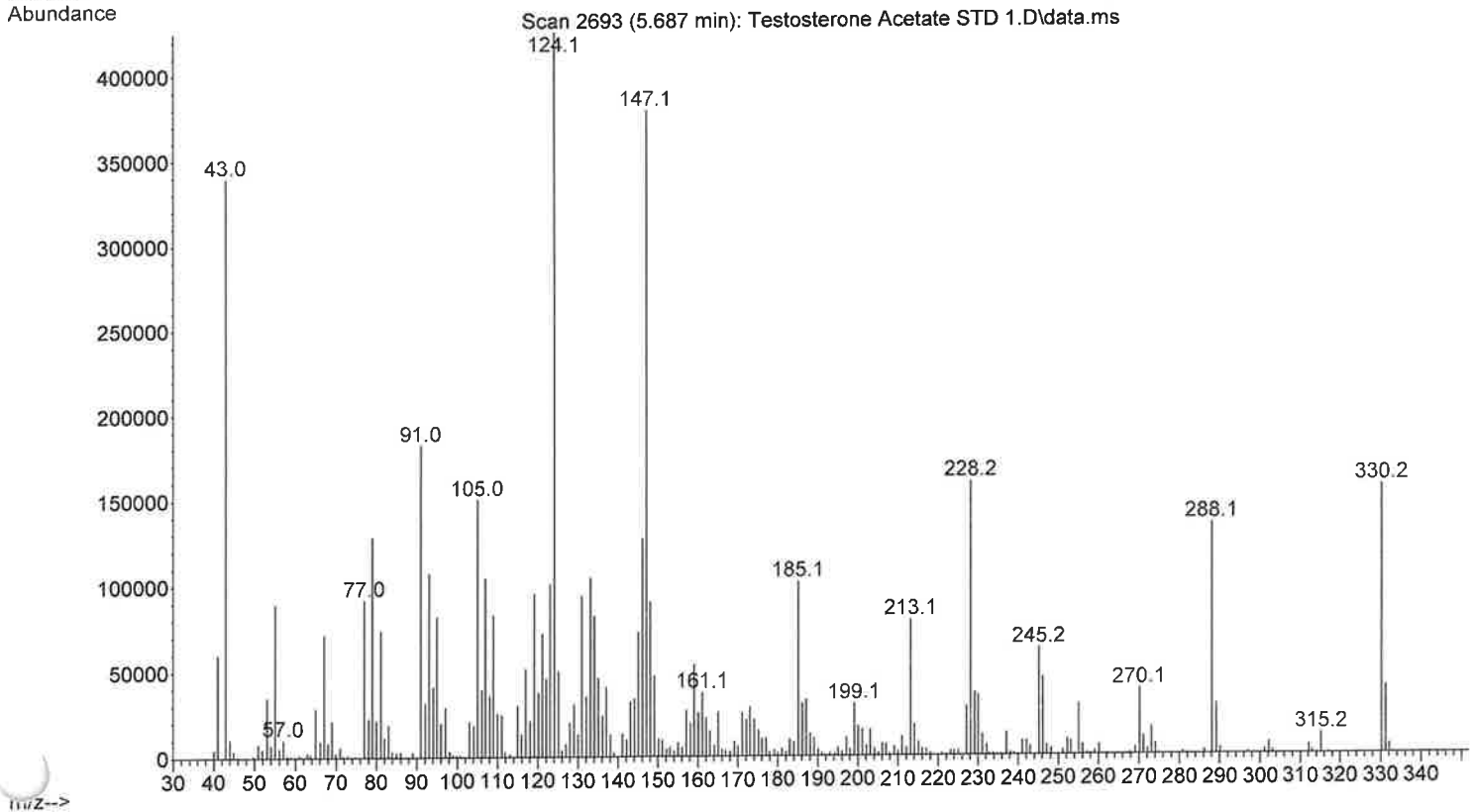
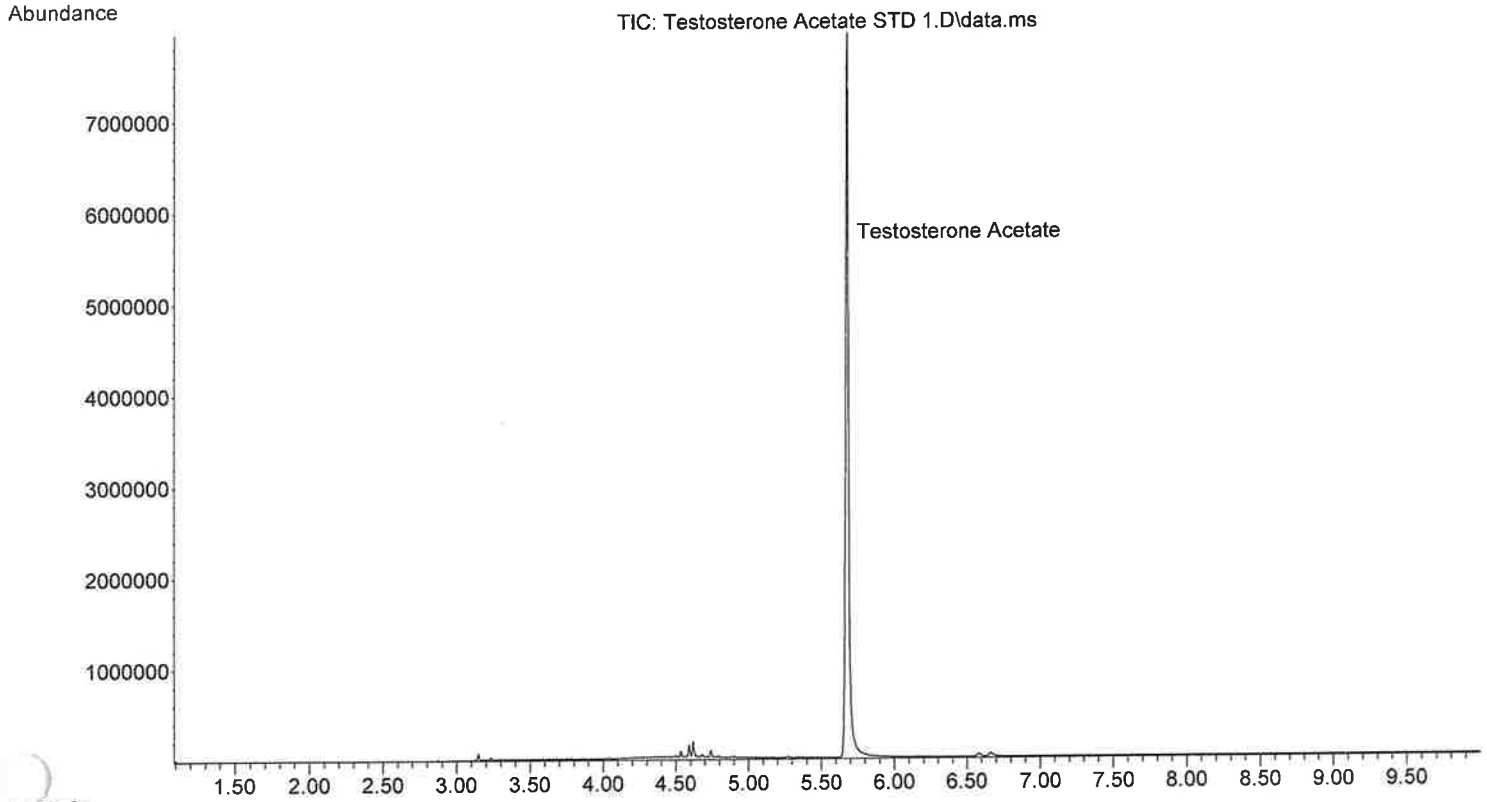
File :X:\2023\IB\04-12-23\Testosterone Acetate STD Blank 1.D
Operator :
Acquired : 12 Apr 2023 15:29 using AcqMethod ASMSDRUGS100.M
Instrument : Stringbean
Sample Name: Testosterone Acetate STD Blank 100
Misc Info : MEOH
Vi. Number: 8

all



File :X:\2023\IB\04-12-23\Testosterone Acetate STD 1.D
Operator :
Acquired : 12 Apr 2023 15:42 using AcqMethod ASMSDRUGS100.M
Instrument : Stringbean
Sample Name: Testosterone Acetate STD 100
Misc Info : MEOH,Sigma,Lot19F0299,Exp.02-06-24
Vi: umber: 9

UP



METHOD CONTROL PARAMETERS

Method Information for: D:\MassHunter\GCMS\1\methods\ASMSDRUGS200.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:

This is an autosample MS 200-280 / 10 minute method.

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	D:\MassHunter\GCMS\1\methods\ASMSDRUGS200.M
Tune file	ATUNE.U
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.0
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 6,250 [N=0]

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	40	550

Self-Cleaning Ion Source Parameters

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

D:\MassHunter\GCMS\1\methods\ASMSDRUGS200.M
Tue Apr 04 08:07:33 2023

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 10.003 min
Post Run Time 0 min

Oven
Temperature
Setpoint On
(Initial) 200 °C
Hold Time 1 min
Post Run 50 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 7.86 min

Equilibration Time 0.25 min
M Temperature 350 °C
Minimum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 2
Solvent A Volume 4 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 2
Solvent B Volume 4 µL
Sample Washes 1
Sample Wash Volume 8 µL
Sample Pumps 4
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 1 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.5 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	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 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	
Helium Conservation Controlled Mode	Off
Heater	Split
Pressure	On 250 °C
Total Flow	On 13.5 psi
Septum Purge Flow	On 44.838 mL/min
Pre-Run Flow Test	On 3 mL/min
Gas Saver	Off
Split Ratio	On 20 mL/min after 3 min
Split Flow	50 :1
Liner	41.017 mL/min
	A Liner has not been selected.
Back SS Inlet He	
Helium Conservation Controlled Mode	Off
Heater	Split
Pressure	On 250 °C
Total Flow	On 13.5 psi
Septum Purge Flow	On 170.58 mL/min
Pre-Run Flow Test	On 3 mL/min
Gas Saver	Off
Split Ratio	Off
Split Flow	50 :1
Liner	164.3 mL/min
	A Liner has not been selected.
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	0.82034 mL/min
Post Run	1 mL/min

Column Information	Agilent 19091S-602
Description	HP-1MS
Temperature Range	-60 °C-325 °C (350 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm (Calibrated)
Heater	Oven
Column lock	Unlocked
Out	Front SS Inlet He
(Initial)	MSD
Pressure	200 °C
Flow	13.5 psi
Average Velocity	0.82034 mL/min
Holdup Time	54.354 cm/sec
Control Mode	0.38329 min
	Constant Flow

Column #2	
Pressure	
Setpoint	On
(Initial)	13.5 psi
Post Run	2.8778 psi

Column Information	Agilent 19091S-913
Temperature Range	-60 °C-325 °C (350 °C)
Dimensions	15 m x 320 µm x 0.25 µm (Calibrated)
Heater	Oven
Column lock	Unlocked
In	Back SS Inlet He
Out	Back Detector FID
(Initial)	200 °C
Pressure	13.5 psi
Flow	3.2859 mL/min
Average Velocity	71.909 cm/sec
Holdup Time	0.34766 min
Control Mode	Constant Pressure

Column Outlet Pressure	0 psi
Back Detector FID	
Makeup	He
Heater	On 300 °C
H2 Flow	Off
Air Flow	Off
Makeup Flow	Off
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	Off
Blank Evaluation Setpoints	
Perform Blank Evaluation Test	Off

Helium Conservation	
Helium Valve	Off
Nitrogen Valve	Off

Detector Evaluation	
Perform Detector Evaluation Test	Off

MSD Transfer Line	
Temperature	
Setpoint	On
(Initial)	280 °C

Signals
Signal #1:

Description	None
Signal #2: Description	None
Signal #3: Description	None
Signal #4: Description	None
Signal #5: Description	None
Signal #6: Description	None
Signal #7: Description	None
Signal #8: Description	None

TUNE PARAMETERS for SN: US2246MS10

Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
29.720	:	REPELLER	
90.331	:	IONFOCUS	
20.181	:	ENTRANCE_LENS	
883.721	:	EMVOLTS	
			913.2 : Actual EMV
			1.00 : GAIN FACTOR
3335.000	:	AMUGAIN	
132.750	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
13.233	:	ENTLENSOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
421.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

DATA ANALYSIS PARAMETERS

Method Name: D:\MassHunter\GCMS\1\methods\ASMSDRUGS200.M

Percent Report Settings

Sort By: Signal

Output Destination

Screen: No
Printer: Yes
File: No

Integration Events: AutoIntegrate

Generate Report During Run Method: No

Signal Correlation Window: 0.020

Qualitative Report Settings

Peak Location of Unknown: Apex

Library to Search Minimum Quality

Q:\Instrument Libraries\Current\TBI_DRUG.L 0

Q:\Instrument Libraries\Current\SWGDRUG 3.12.L 0

Q:\Instrument Libraries\Current\CaymanSpectralLibrary.L

Integration Events: AutoIntegrate

Report Type: Summary

Output Destination

Screen: No
Printer: Yes
File: No

Generate Report During Run Method: No

Quantitative Report Settings

Report Type: Summary

Output Destination

Screen: Yes

Printer: No

File: No

Generate Report During Run Method: No

Calibration Last Updated:

Reference Window: 10.00 Percent

Non-Reference Window: 5.00 Percent

Correlation Window: 0.02 minutes

Default Multiplier: 1.00

Default Sample Concentration: 0.00

Compound Information

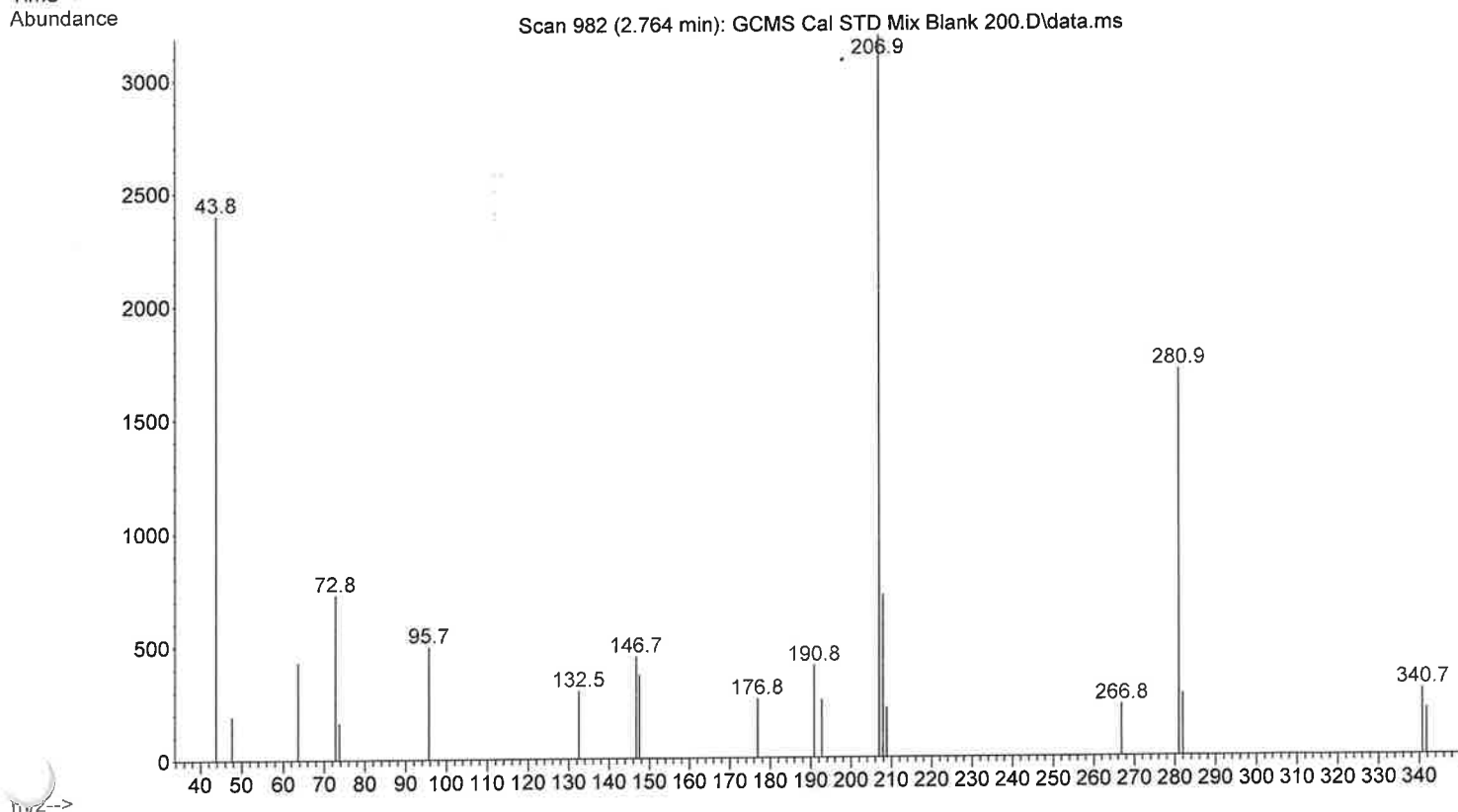
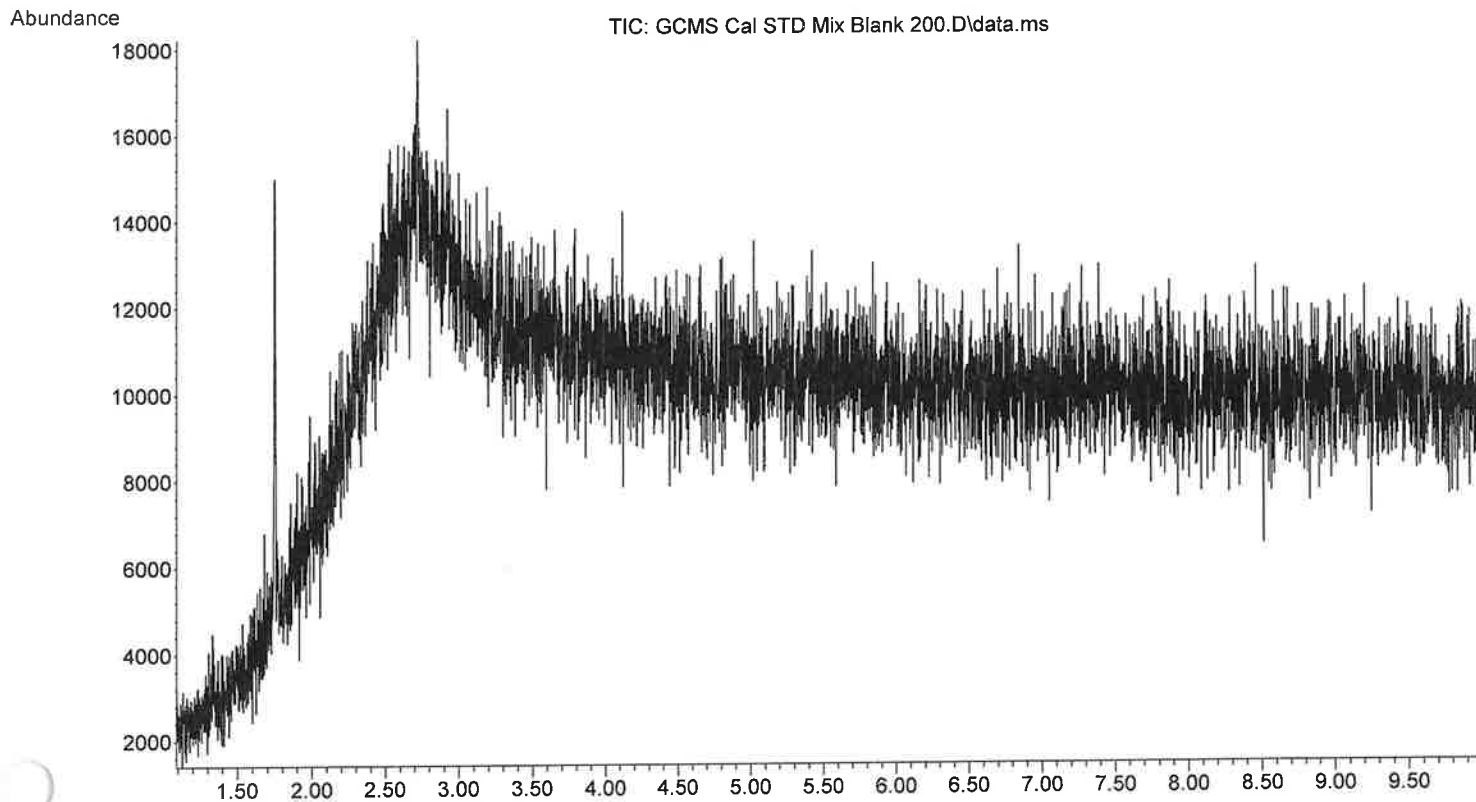
*** Empty Quantitation Database ***

END OF DATA ANALYSIS PARAMETERS

Tue Apr 04 08:07:35 2023

9/12

File :X:\2023\IB\04-12-23\GCMS Cal STD Mix Blank 200.D
Operator :
Acquired : 12 Apr 2023 16:20 using AcqMethod ASMSDRUGS200.M
Instrument : Stringbean
Sample Name: GCMS Cal STD Mix Blank 200
Misc Info : MEOH
Vi umber: 2

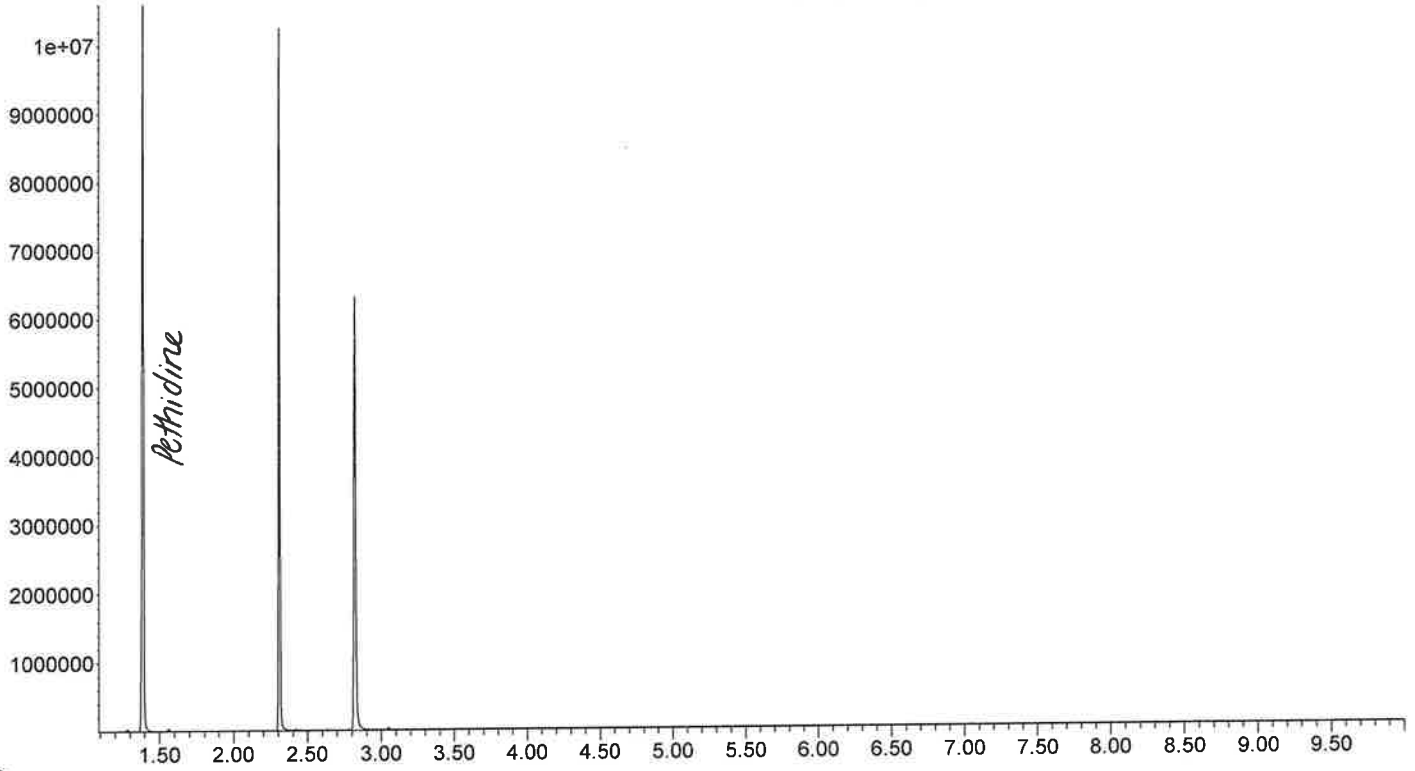


File :X:\2023\IB\04-12-23\GCMS Cal STD Mix 200.D
Operator :
Acquired : 12 Apr 2023 16:32 using AcqMethod ASMSDRUGS200.M
Instrument : Stringbean
Sample Name: GCMS Cal STD Mix 200
Misc Info : MEOH, Exp.03-20-24
Vi umber: 3

all

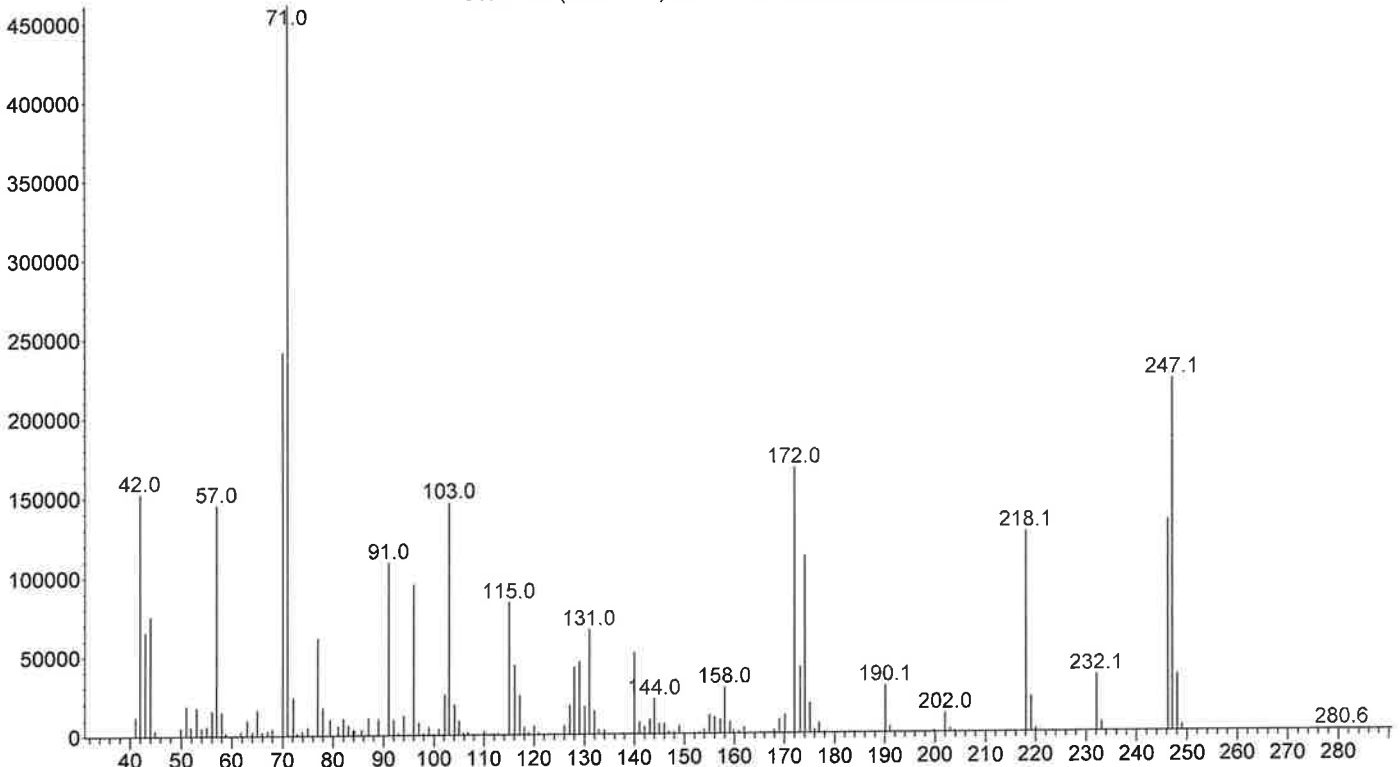
Abundance

TIC: GCMS Cal STD Mix 200.D\data.ms



Abundance

Scan 173 (1.383 min): GCMS Cal STD Mix 200.D\data.ms

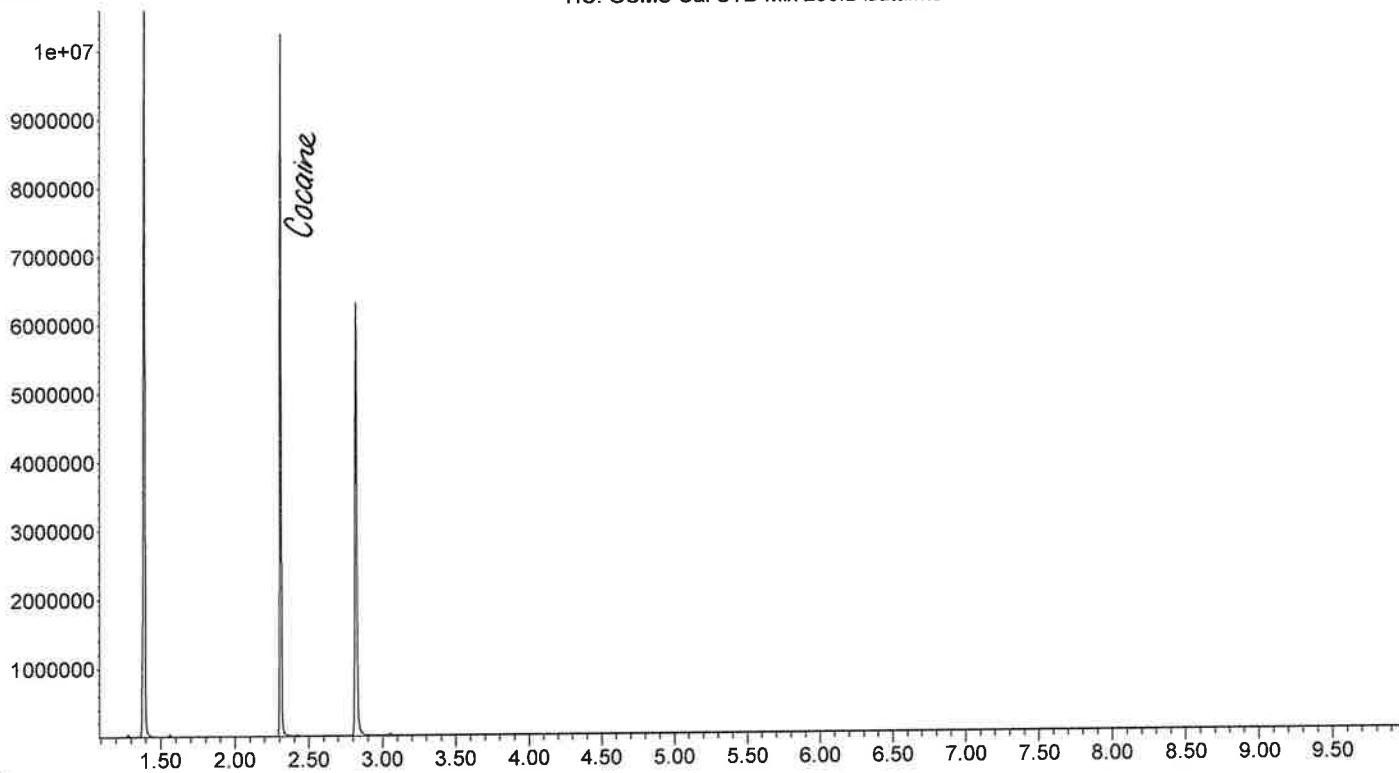


Off

File :X:\2023\IB\04-12-23\GCMS Cal STD Mix 200.D
Operator :
Acquired : 12 Apr 2023 16:32 using AcqMethod ASMSDRUGS200.M
Instrument : Stringbean
Sample Name: GCMS Cal STD Mix 200
Misc Info : MEOH, Exp.03-20-24
Vial Number: 3

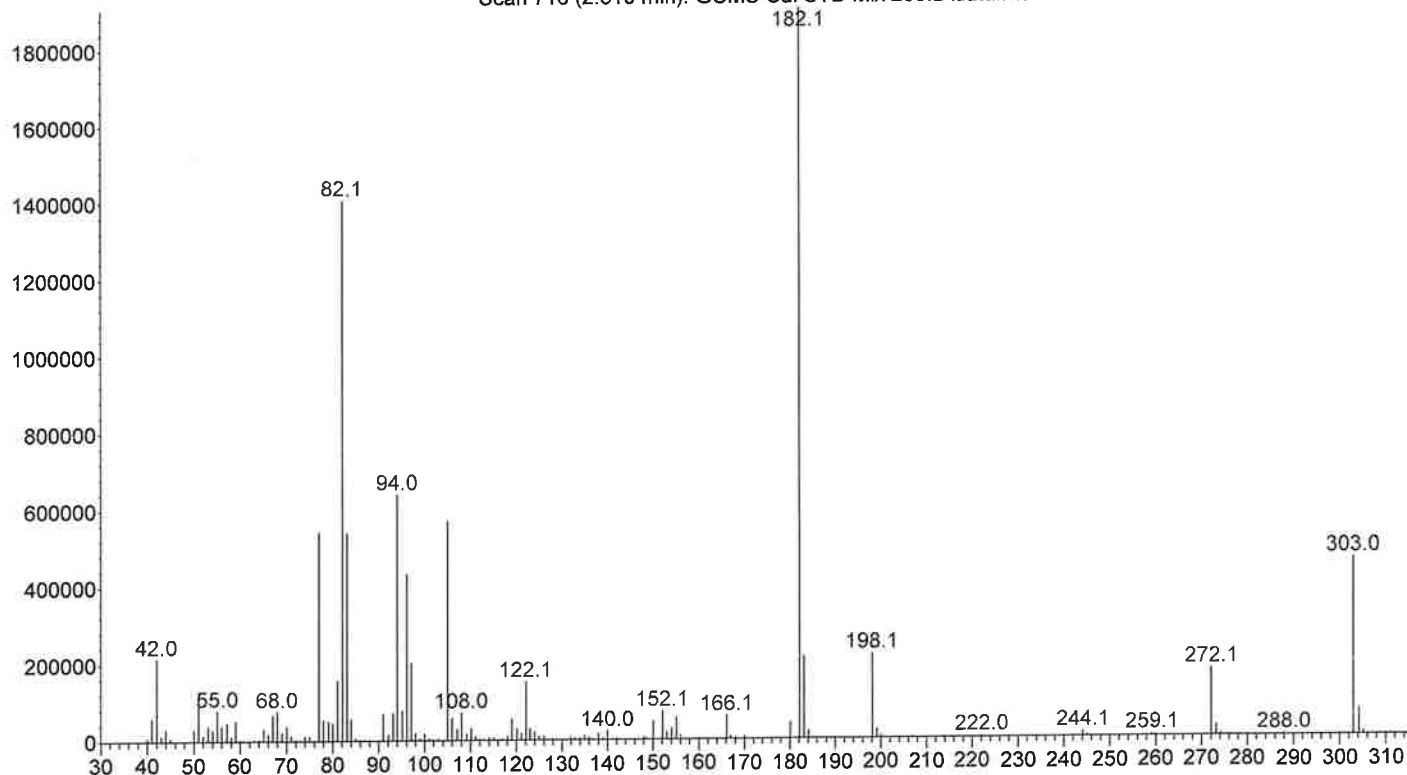
Abundance

TIC: GCMS Cal STD Mix 200.D\data.ms



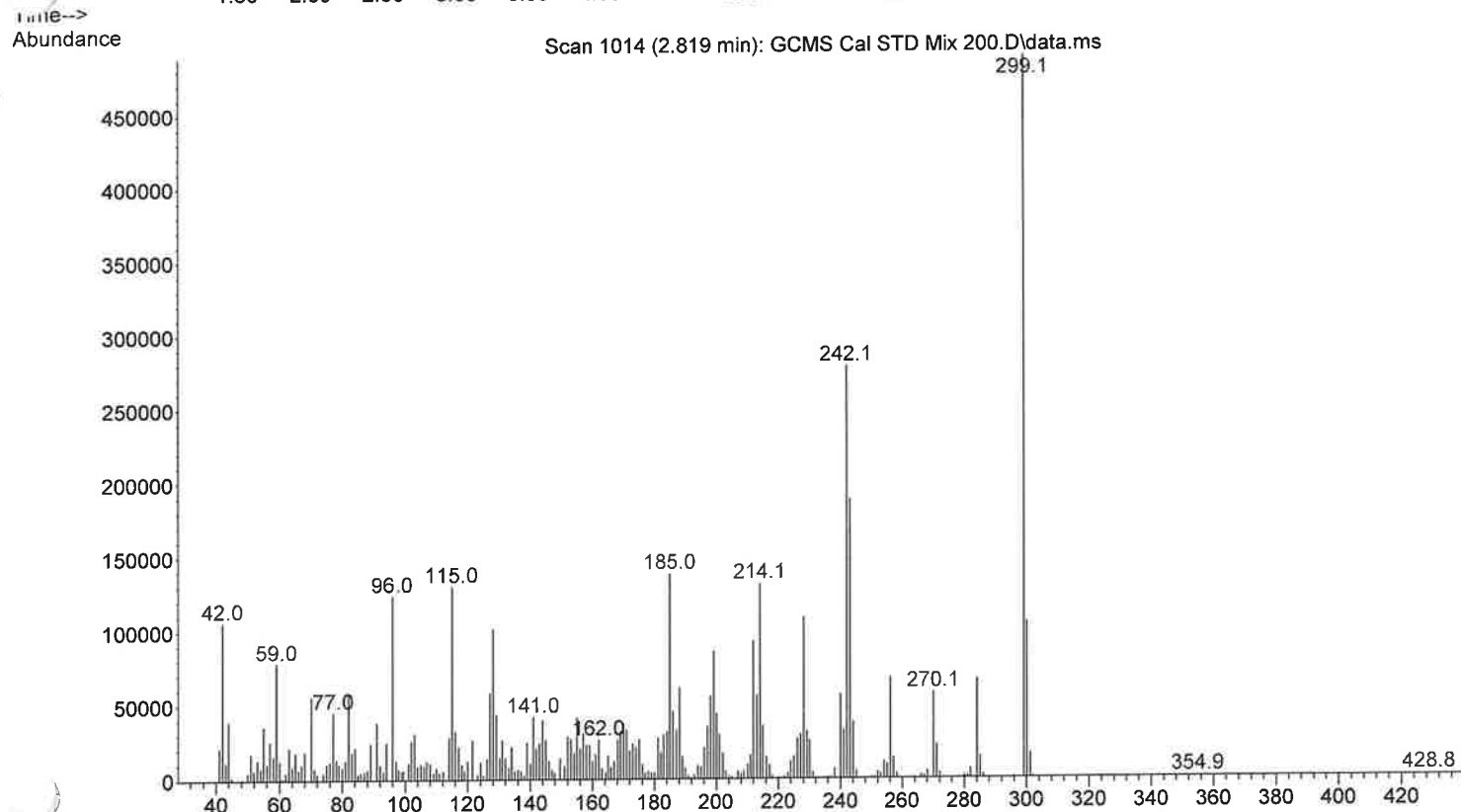
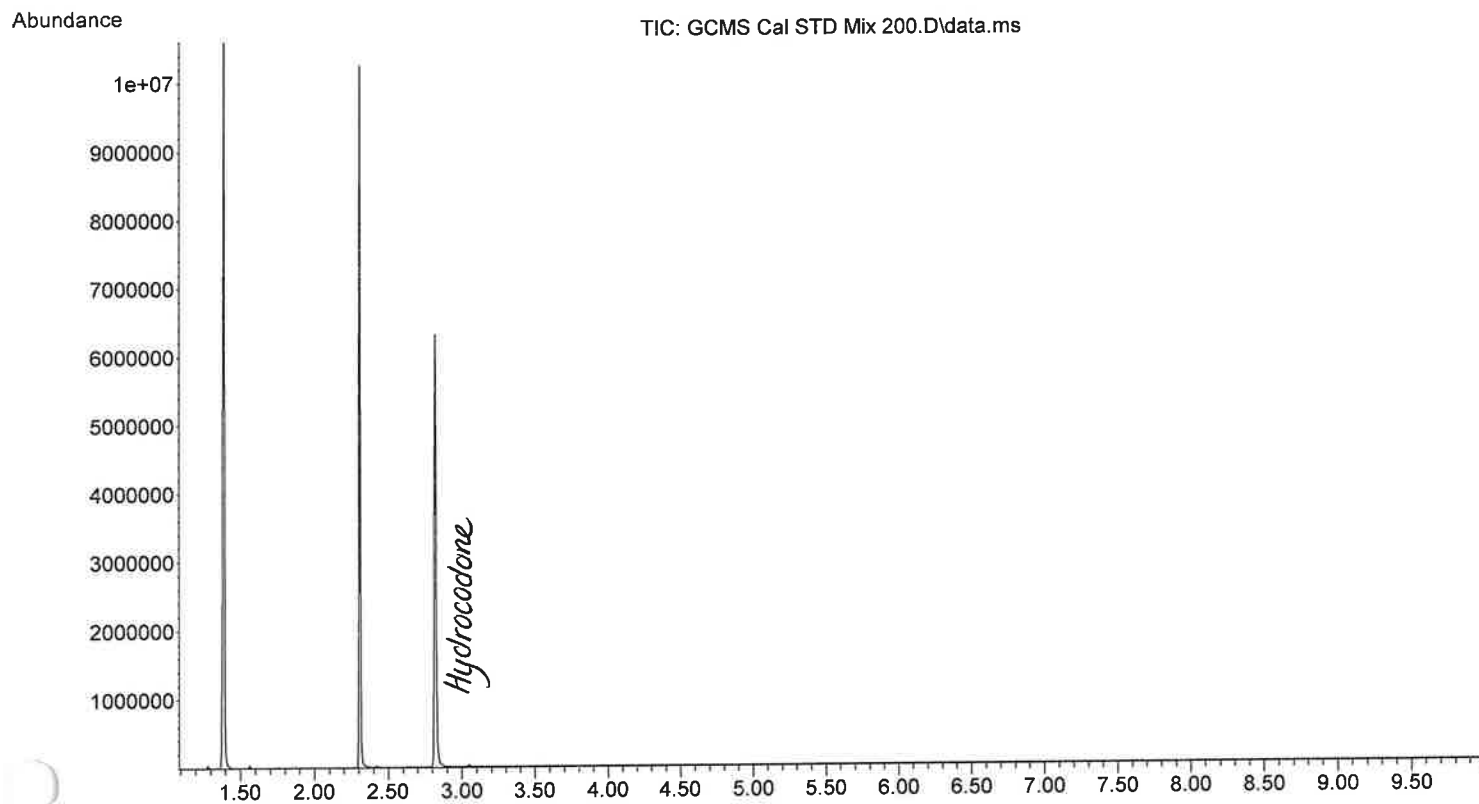
Abundance

Scan 716 (2.310 min): GCMS Cal STD Mix 200.D\data.ms

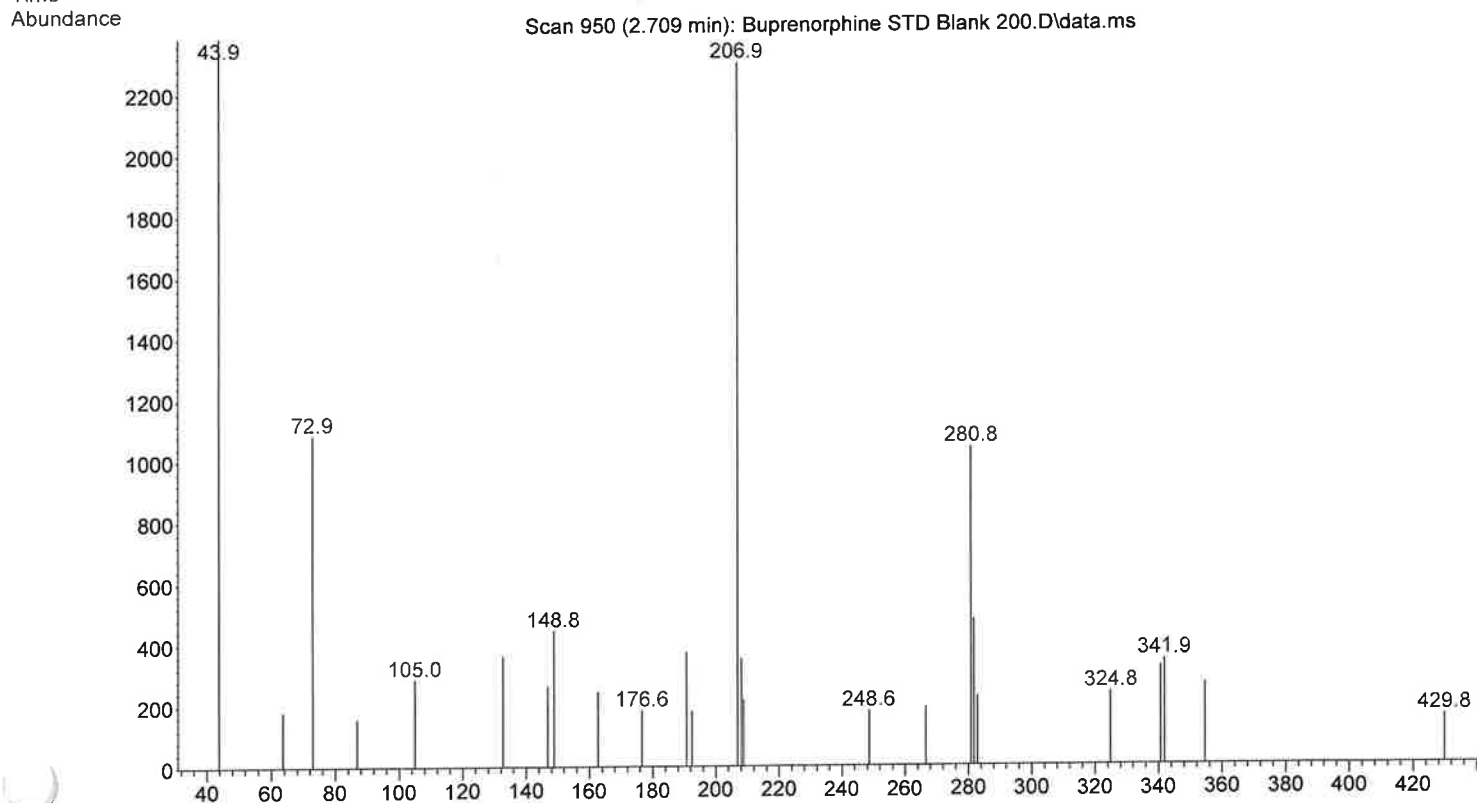
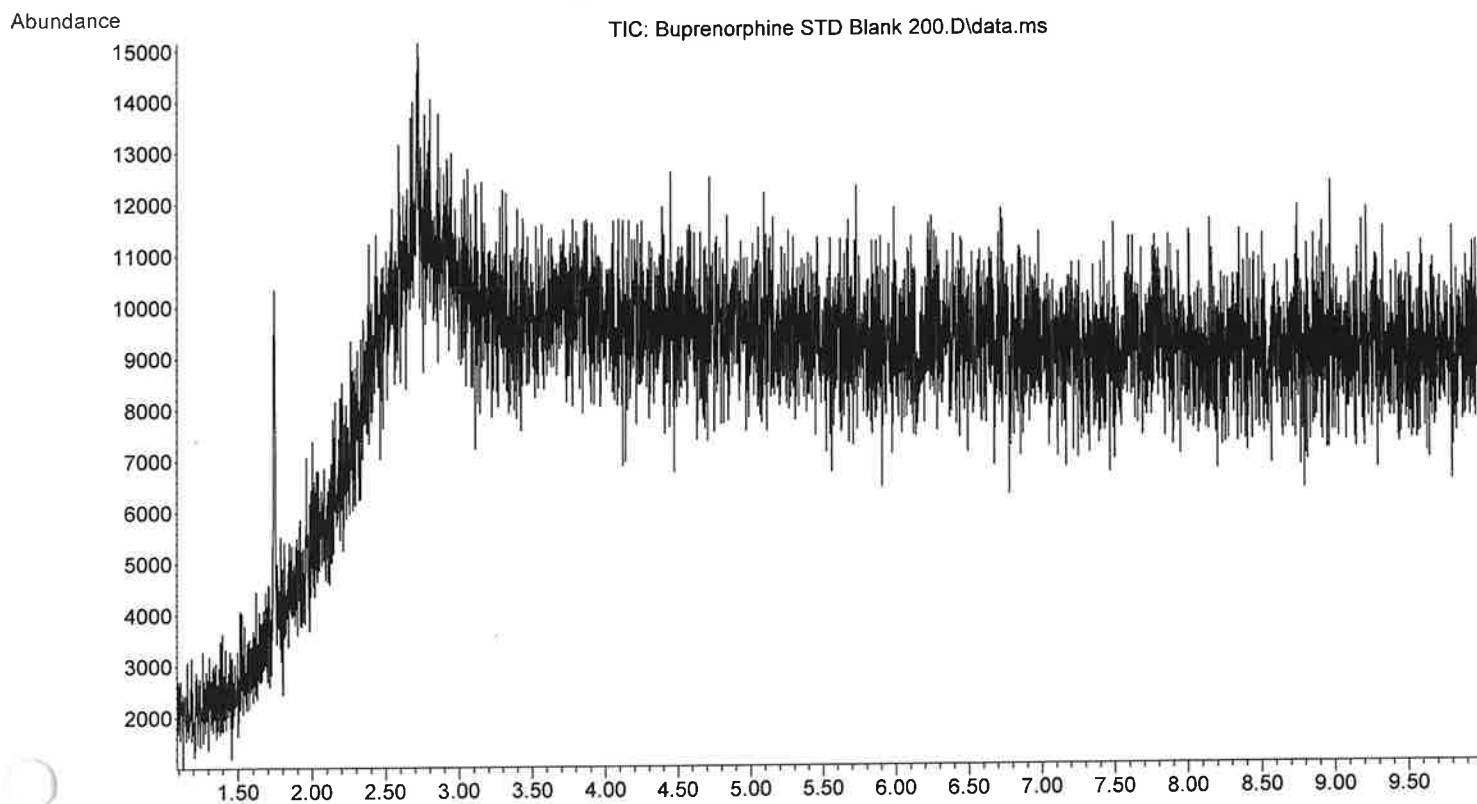


46

File : X:\2023\IB\04-12-23\GCMS Cal STD Mix 200.D
Operator :
Acquired : 12 Apr 2023 16:32 using AcqMethod ASMSDRUGS200.M
Instrument : Stringbean
Sample Name: GCMS Cal STD Mix 200
Misc Info : MEOH, Exp.03-20-24
Vial Number: 3

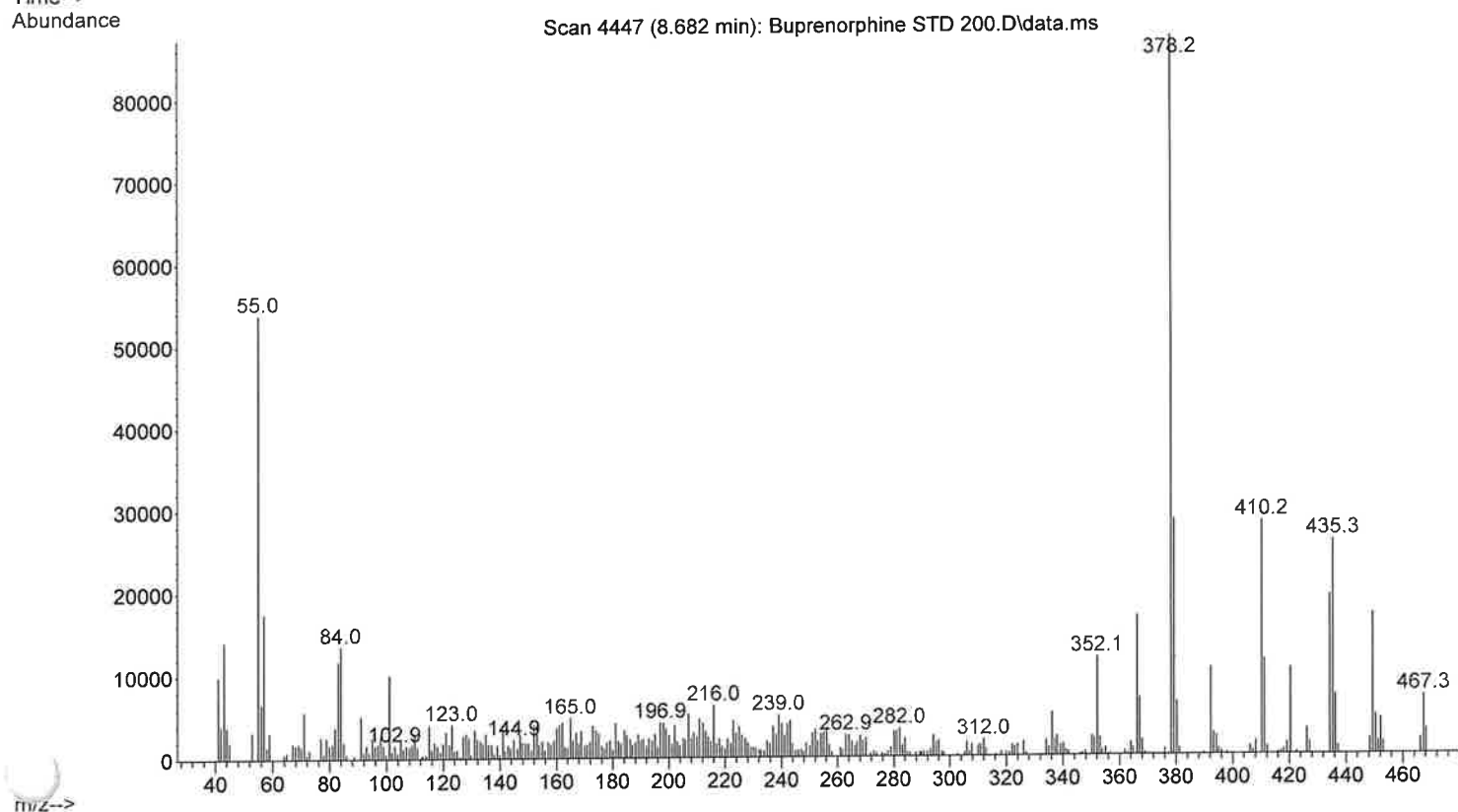
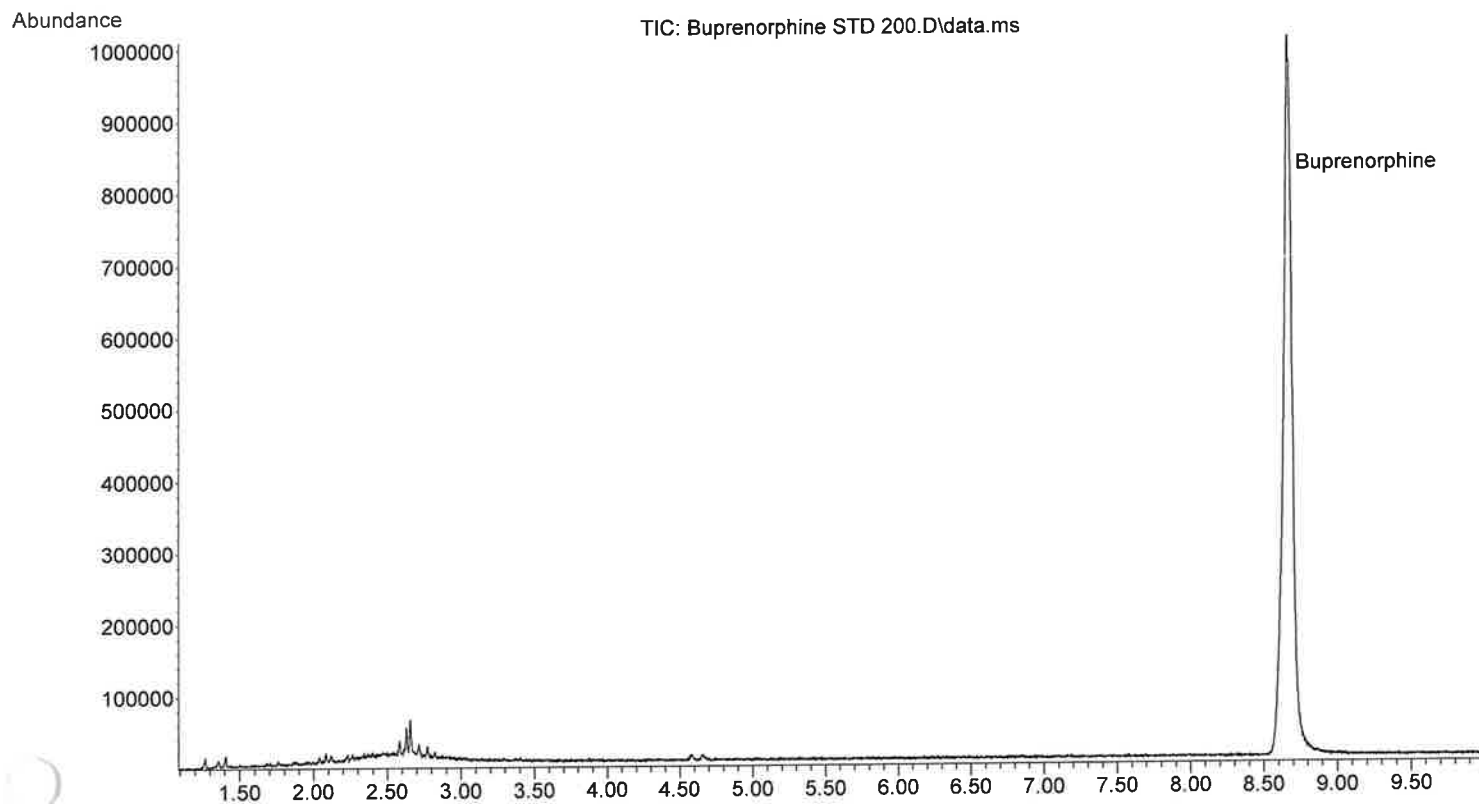


File :X:\2023\IB\04-12-23\Buprenorphine STD Blank 200.D
Operator :
Acquired : 12 Apr 2023 17:09 using AcqMethod ASMSDRUGS200.M
Instrument : Stringbean
Sample Name: Buprenorphine STD Blank 200
Misc Info : MEOH
Vial Number: 10



44

File :X:\2023\IB\04-12-23\Buprenorphine STD 200.D
Operator :
Acquired : 12 Apr 2023 17:21 using AcqMethod ASMSDRUGS200.M
Instrument : Stringbean
Sample Name: Buprenorphine STD 200
Misc Info : MEOH, Cerilliant, LotFE03191903, Exp. 06/24
Vial Number: 11

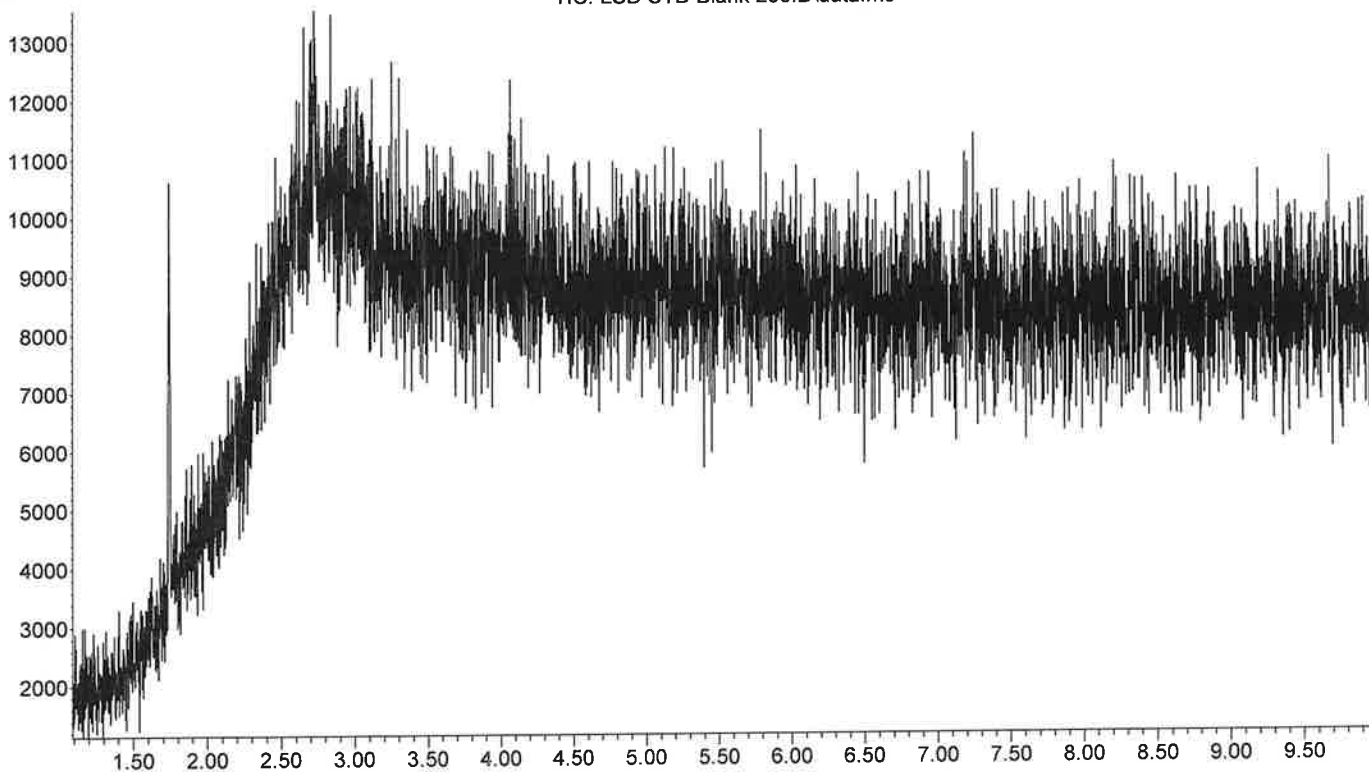


File :X:\2023\IB\04-12-23\LSD STD Blank 200.D
Operator :
Acquired : 12 Apr 2023 17:57 using AcqMethod ASMSDRUGS200.M
Instrument : Stringbean
Sample Name: LSD STD Blank 200
Misc Info : MEOH
Vi umber: 12

OB

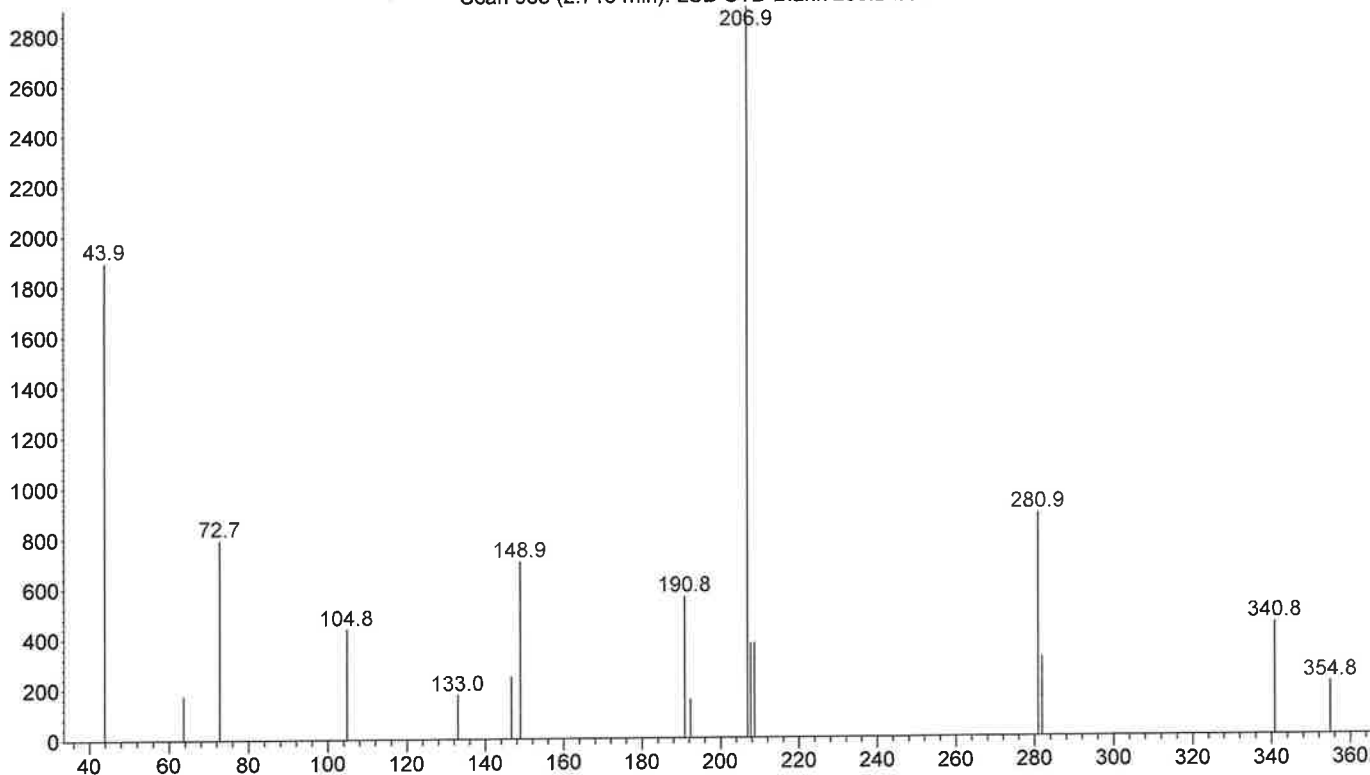
Abundance

TIC: LSD STD Blank 200.D\data.ms



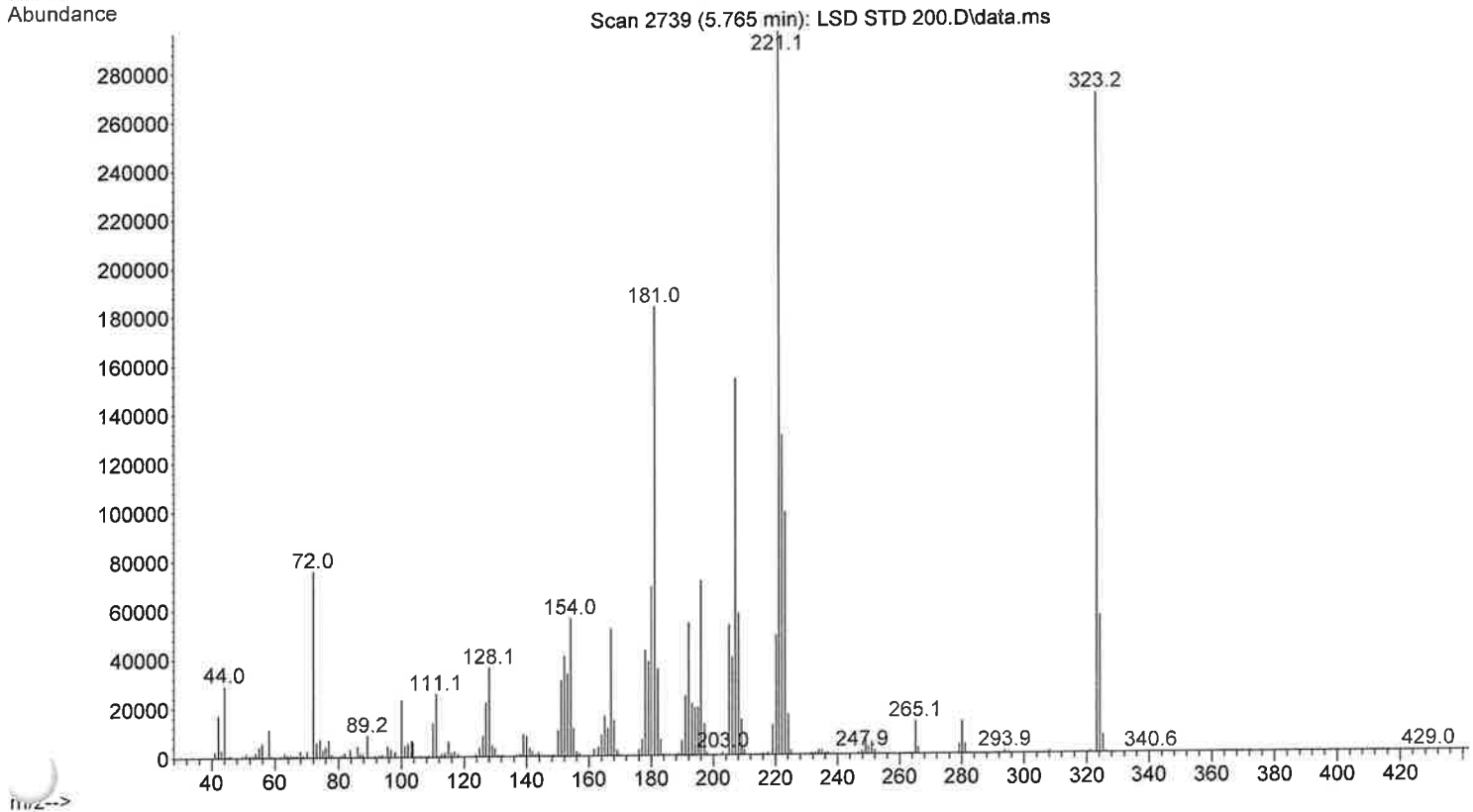
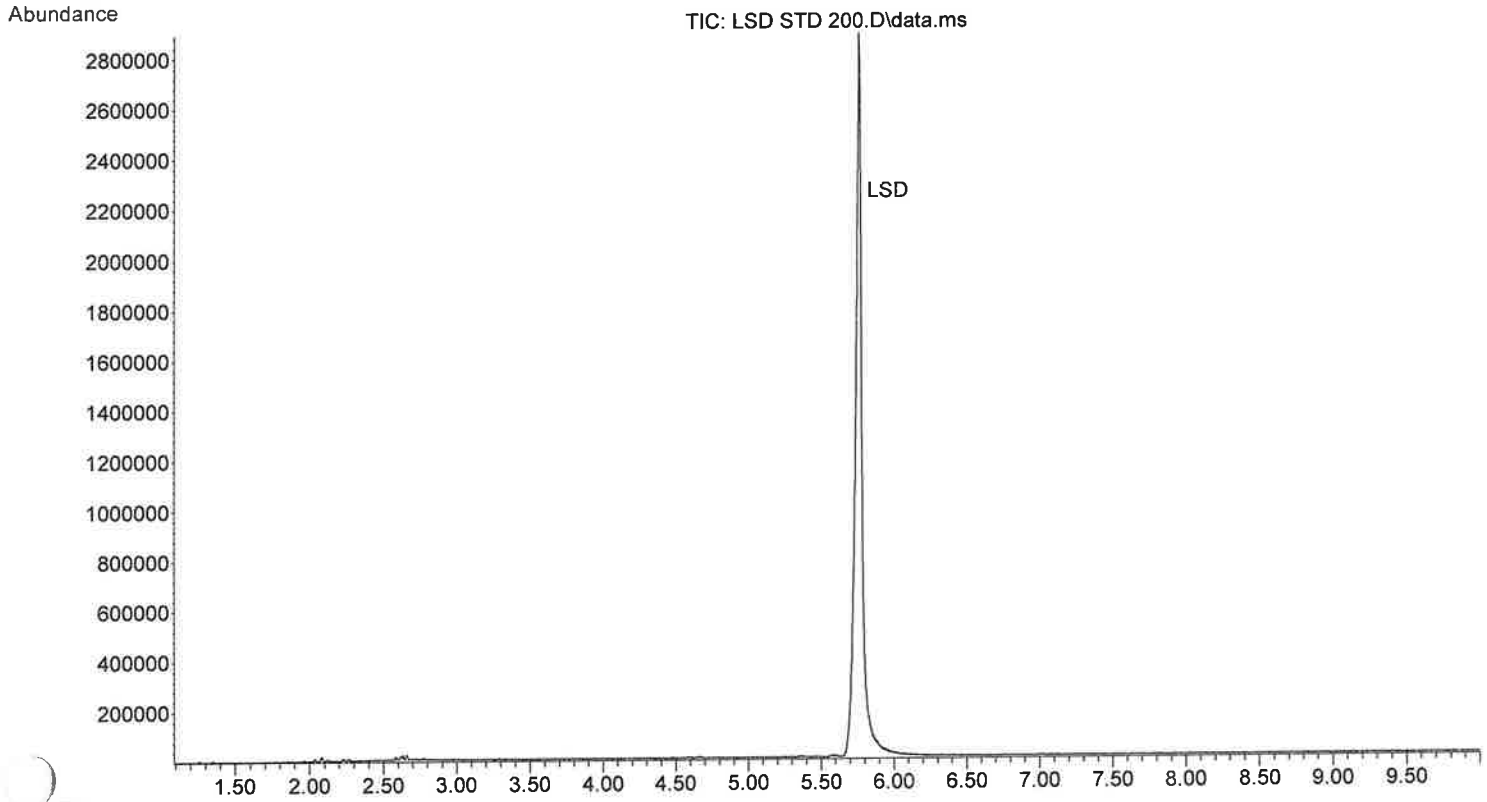
Abundance

Scan 953 (2.715 min): LSD STD Blank 200.D\data.ms



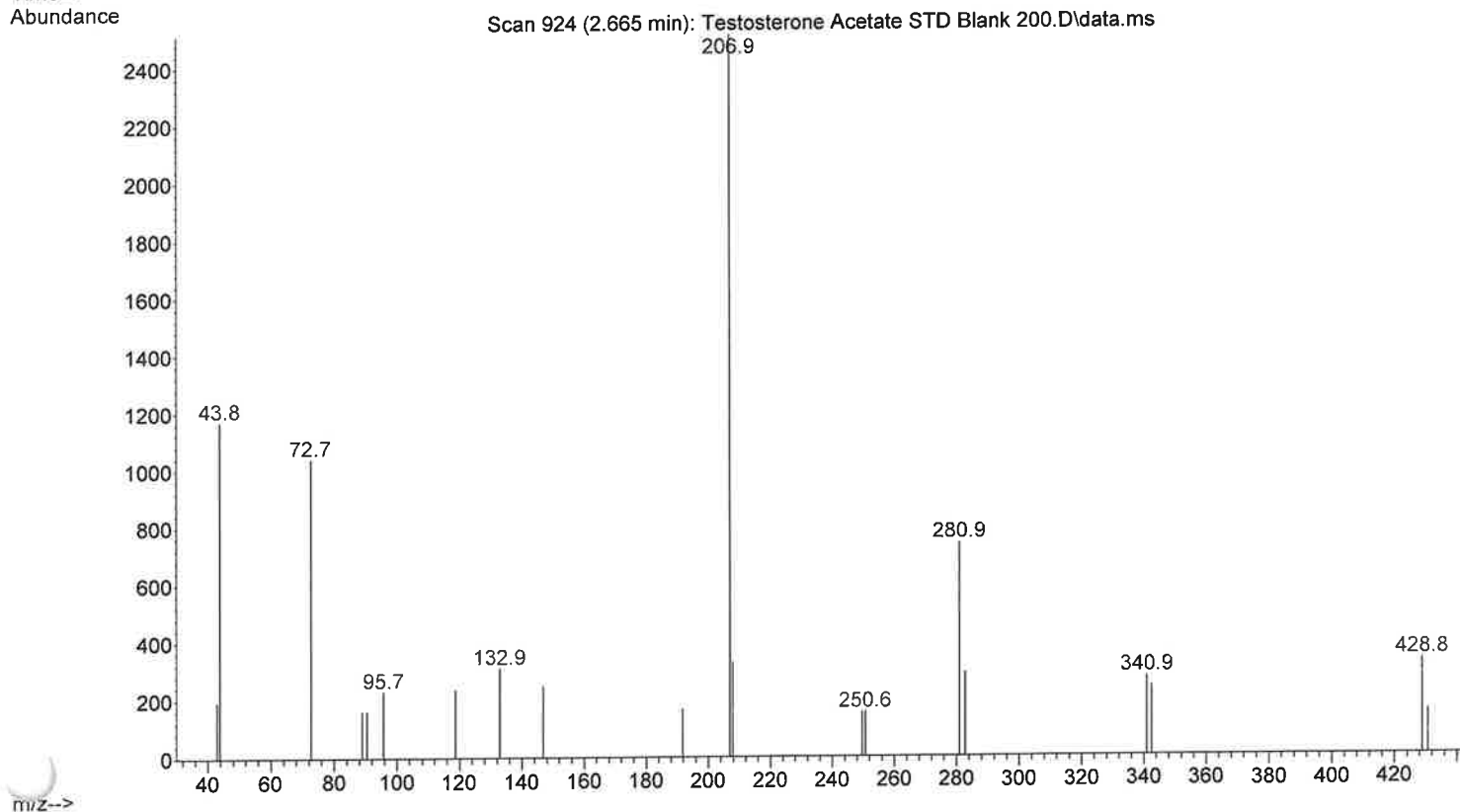
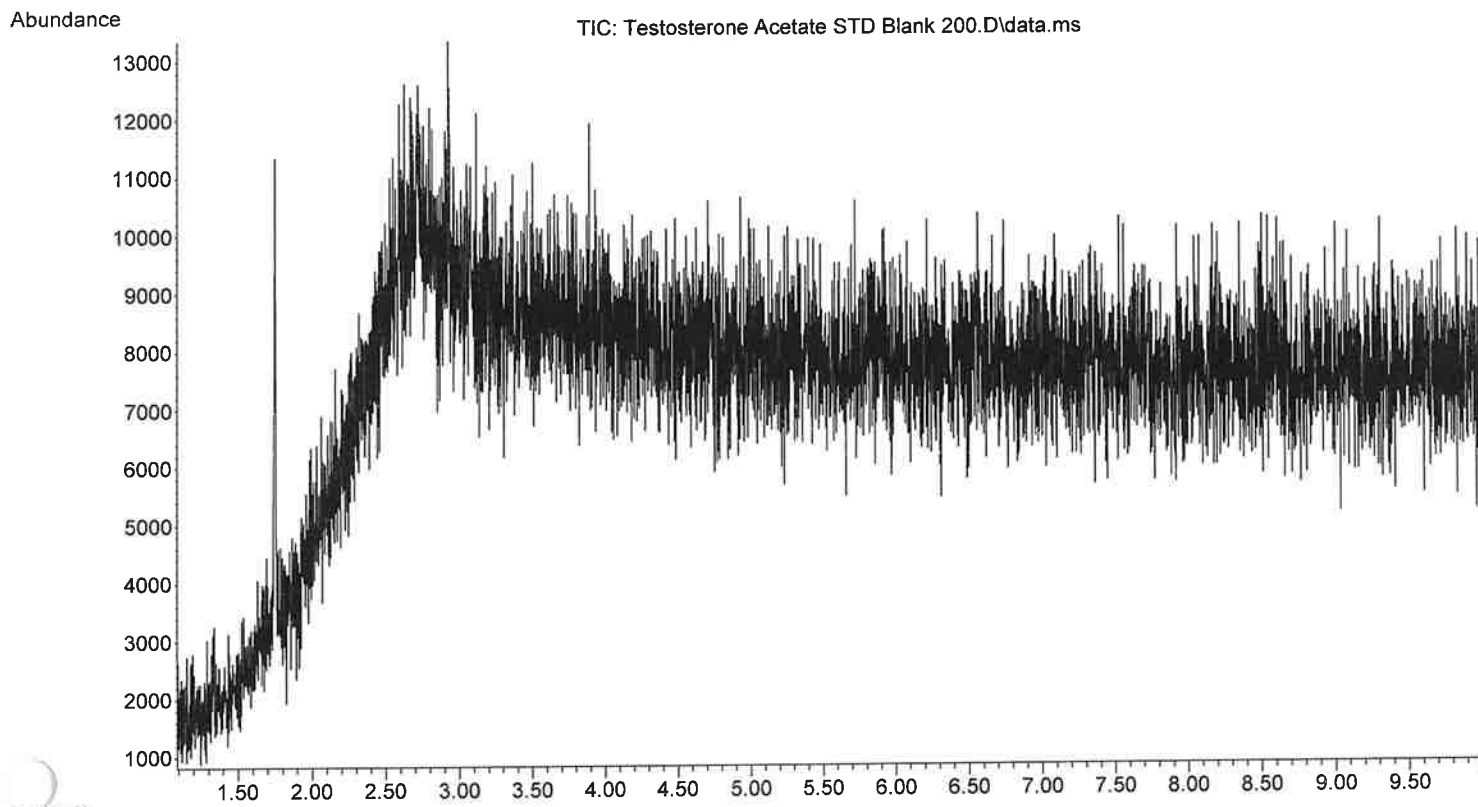
all

File :X:\2023\IB\04-12-23\LSD STD 200.D
Operator :
Acquired : 12 Apr 2023 18:10 using AcqMethod ASMSDRUGS200.M
Instrument : Stringbean
Sample Name: LSD STD 200
Misc Info : MEOH,Cerilliant,LotFE10161901,Exp.10/24
Vial Number: 13

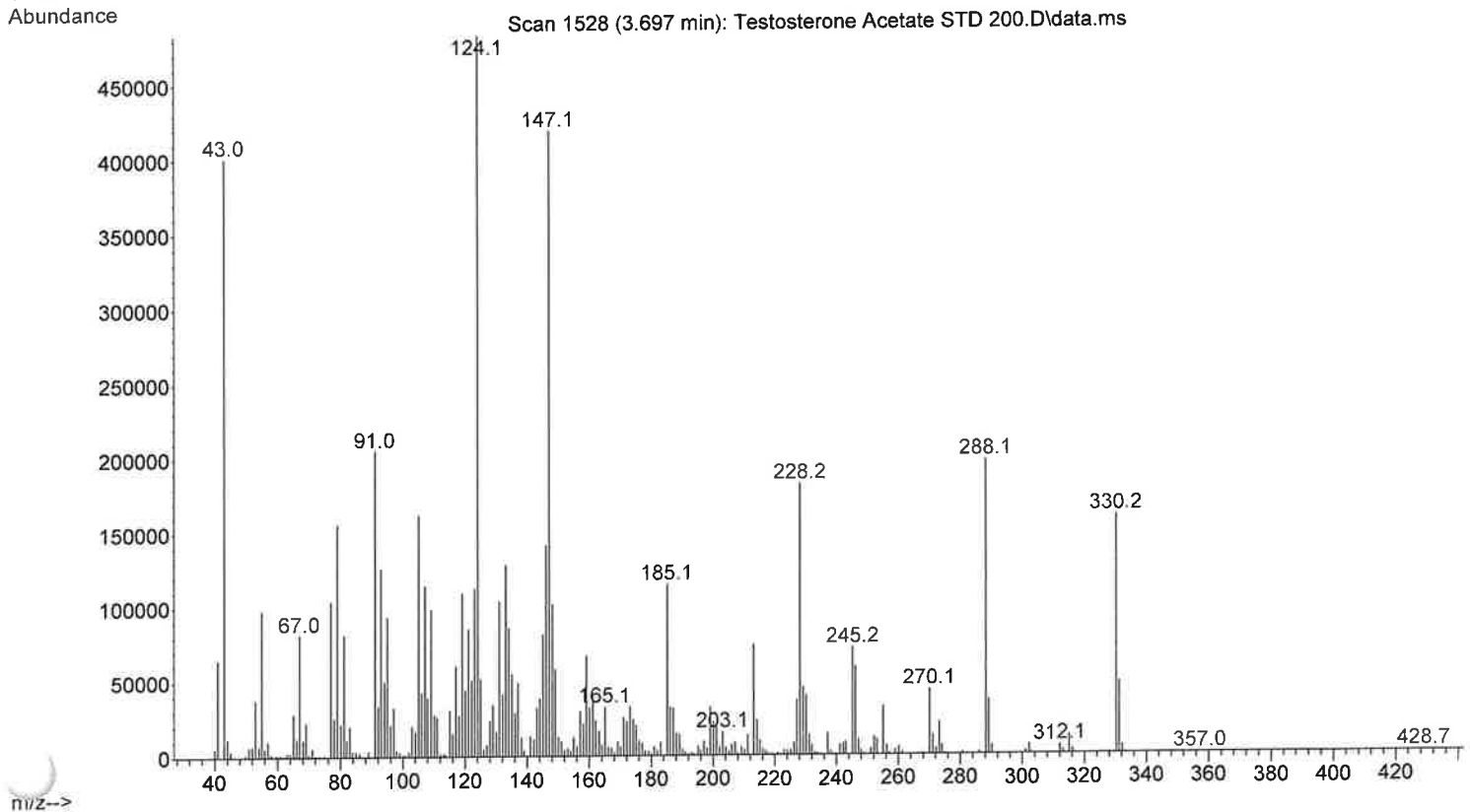
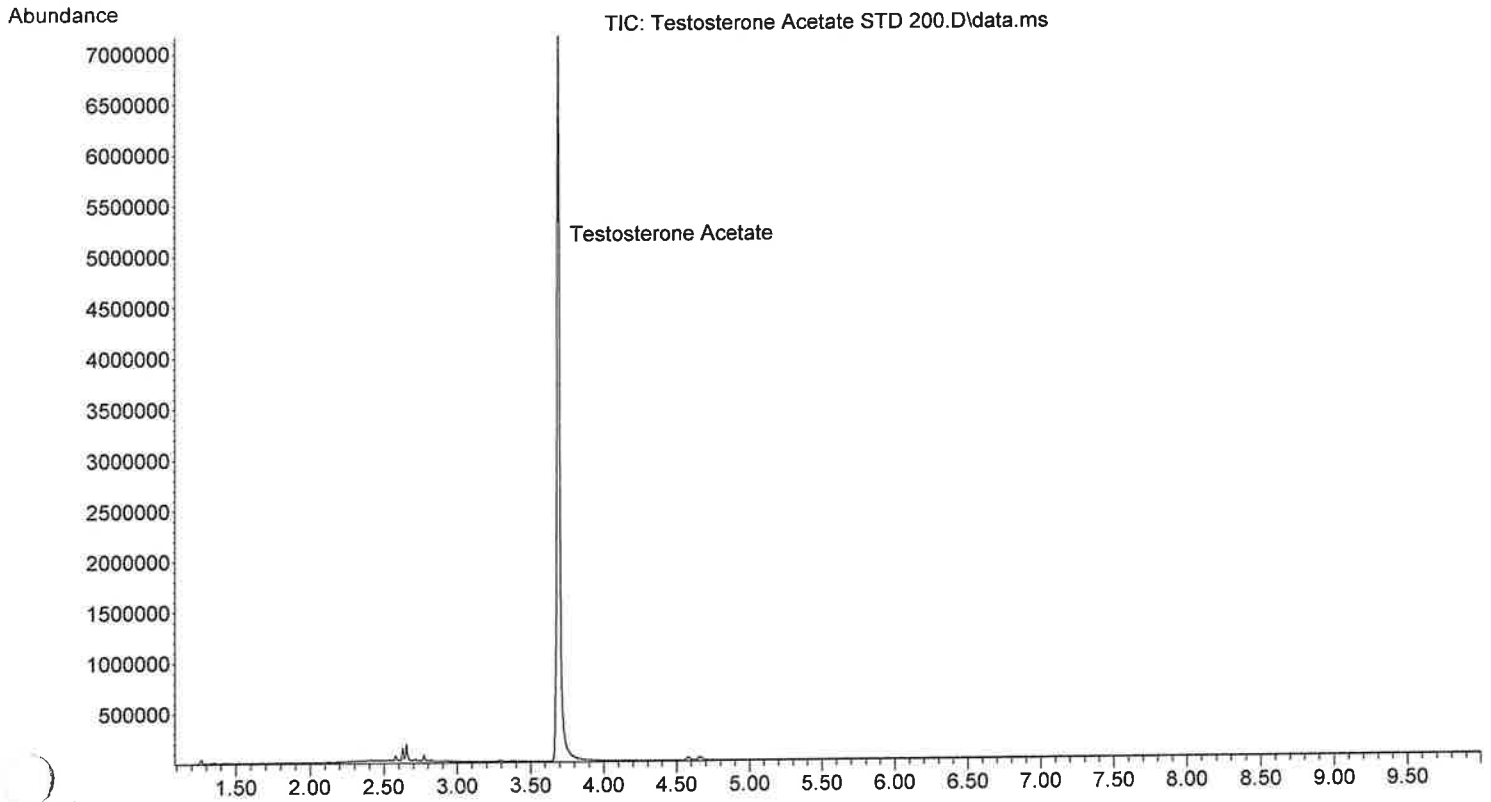


gh

File :X:\2023\IB\04-12-23\Testosterone Acetate STD Blank 200.D
Operator :
Acquired : 12 Apr 2023 18:46 using AcqMethod ASMSDRUGS200.M
Instrument : Stringbean
Sample Name: Testosterone Acetate STD Blank 200
Misc Info : MEOH
Vial Number: 8



File :X:\2023\IB\04-12-23\Testosterone Acetate STD 200.D
Operator :
Acquired : 12 Apr 2023 18:58 using AcqMethod ASMSDRUGS200.M
Instrument : Stringbean
Sample Name: Testosterone Acetate STD 200
Misc Info : MEOH, Sigma, Lot19F0299, Exp.02-06-24
Vial Number: 9

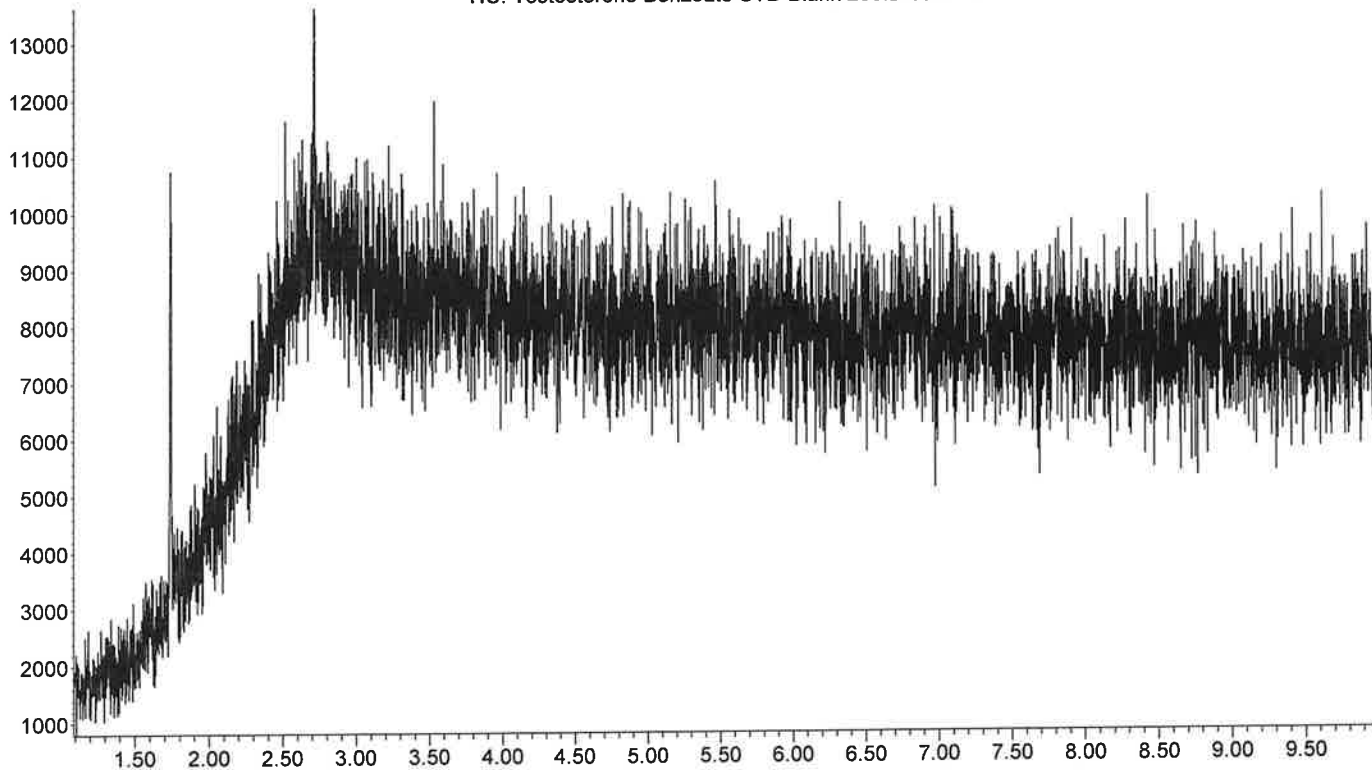


File :X:\2023\IB\04-12-23\Testosterone Benzoate STD Blank 200.D
Operator :
Acquired : 12 Apr 2023 19:35 using AcqMethod ASMSDRUGS200.M
Instrument : Stringbean
Sample Name: Testosterone Benzoate STD Blank 200
Misc Info : MEOH
Vial Number: 14

Wk

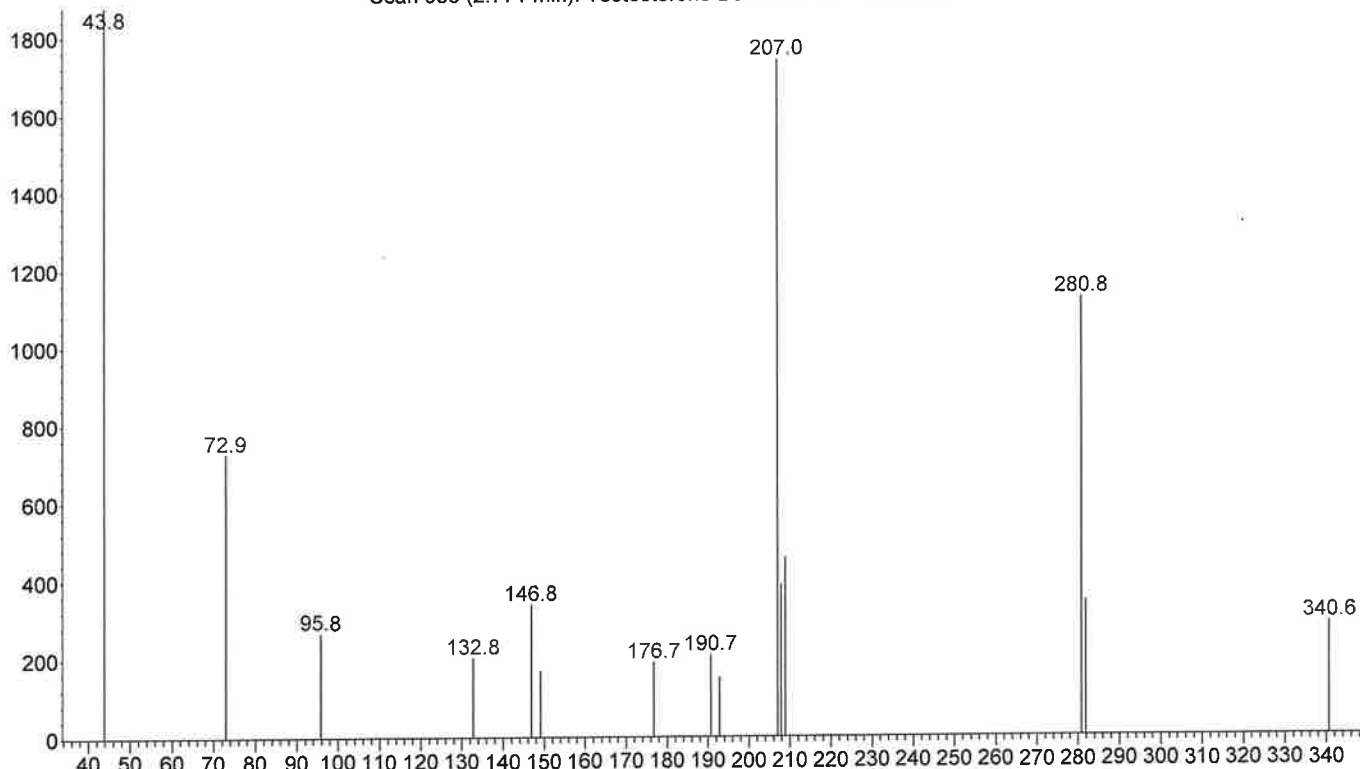
Abundance

TIC: Testosterone Benzoate STD Blank 200.D\data.ms



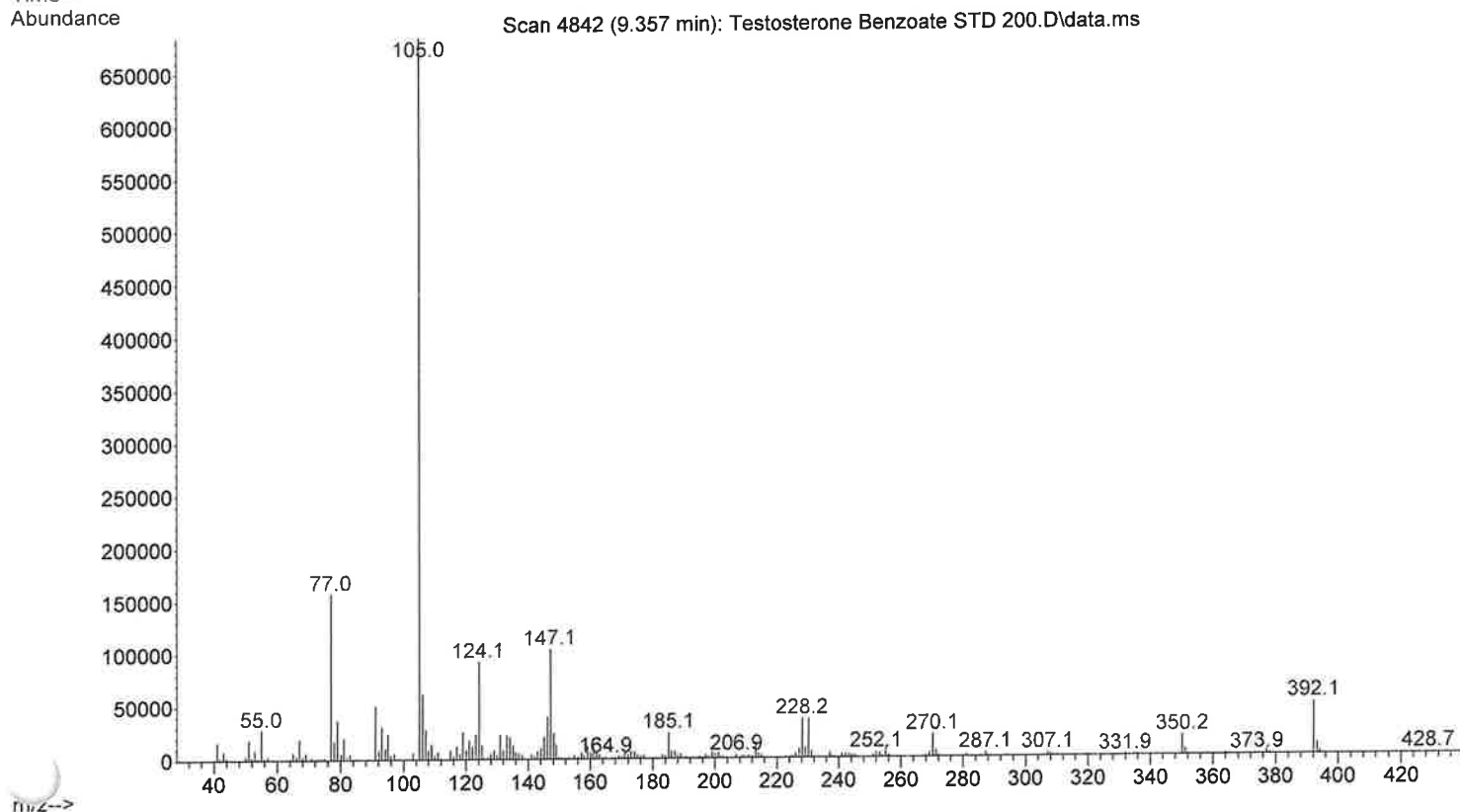
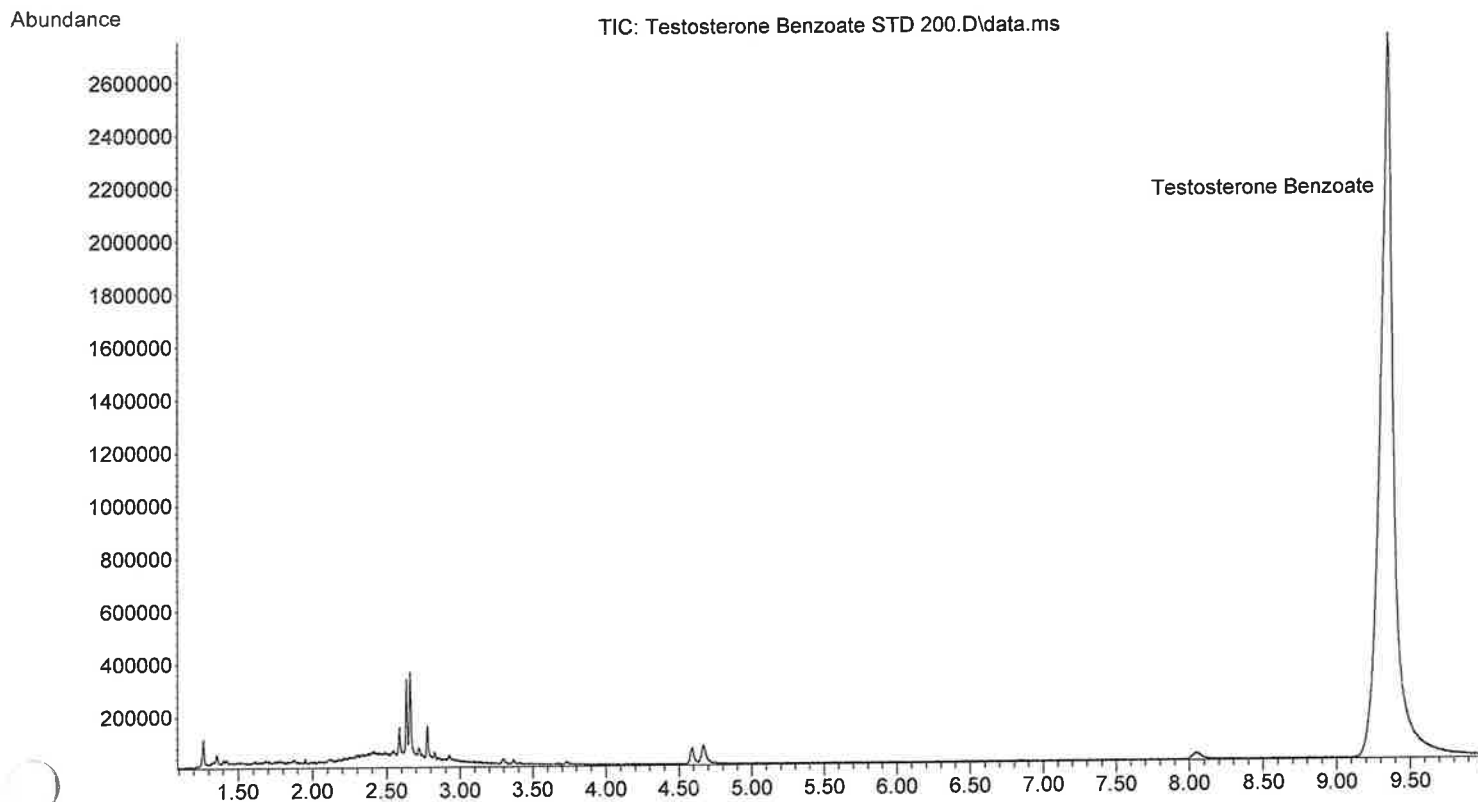
Abundance

Scan 986 (2.771 min): Testosterone Benzoate STD Blank 200.D\data.ms



alk

File :X:\2023\IB\04-12-23\Testosterone Benzoate STD 200.D
Operator :
Acquired : 12 Apr 2023 19:47 using AcqMethod ASMSDRUGS200.M
Instrument : Stringbean
Sample Name: Testosterone Benzoate STD 200
Misc Info : MEQH,Sigma,Lot49F0246,Exp.02-10-24
Vial Number: 15



METHOD CONTROL PARAMETERS

Method Information for: D:\MassHunter\GCMS\1\methods\ASMSDRUGS60.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:

This is an autosample MS 60-280 / 10 minute method.

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	D:\MassHunter\GCMS\1\methods\ASMSDRUGS60.M
Tune file	ATUNE.U
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.0
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 6,250 [N=0]

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	40	550

Self-Cleaning Ion Source Parameters

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

D:\MassHunter\GCMS\1\methods\ASMSDRUGS60.M
Tue Apr 04 08:59:00 2023

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 10.003 min
Post Run Time 0 min

Oven
Temperature
Setpoint On
(Initial) 60 °C
Hold Time 1 min
Post Run 50 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 5.86 min

Equilibration Time 0.25 min
M Temperature 350 °C
Minimum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 2
Solvent A Volume 4 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 2
Solvent B Volume 4 µL
Sample Washes 1
Sample Wash Volume 8 µL
Sample Pumps 4
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 1 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.5 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	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 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	
Helium Conservation Controlled Mode	Off
Heater	Split
Pressure	On 250 °C
Total Flow	On 6.5 psi
Septum Purge Flow	On 45.625 mL/min
Pre-Run Flow Test	On 3 mL/min
Gas Saver	Off
Split Ratio	On 20 mL/min after 3 min
Split Flow	50 :1
Liner	41.789 mL/min
	A Liner has not been selected.
Back SS Inlet He	
Helium Conservation Controlled Mode	Off
Heater	Split
Pressure	On 250 °C
Total Flow	On 8.5 psi
Septum Purge Flow	On 171.05 mL/min
Pre-Run Flow Test	On 3 mL/min
Gas Saver	Off
Split Ratio	Off
Split Flow	50 :1
Liner	164.76 mL/min
	A Liner has not been selected.
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	0.83578 mL/min
Post Run	1 mL/min

Column Information	Agilent 19091S-602
Description	HP-1MS
Temperature Range	-60 °C-325 °C (350 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm (Calibrated)
Heater	Oven
Column lock	Unlocked
Out	Front SS Inlet He
(Initial)	MSD
Pressure	60 °C
Flow	6.5 psi
Average Velocity	0.83578 mL/min
Holdup Time	51.868 cm/sec
Control Mode	0.40166 min
	Constant Flow

Column #2	
Pressure	On
Setpoint	8.5 psi
(Initial)	2.8778 psi
Post Run	

Column Information	Agilent 19091S-913
Temperature Range	-60 °C-325 °C (350 °C)
Dimensions	15 m x 320 µm x 0.25 µm (Calibrated)
Heater	Oven
Column lock	Unlocked
In	Back SS Inlet He
Out	Back Detector FID
(Initial)	60 °C
Pressure	8.5 psi
Flow	3.2952 mL/min
Average Velocity	58.392 cm/sec
Holdup Time	0.42814 min
Control Mode	Constant Pressure

Column Outlet Pressure	0 psi
Back Detector FID	
Makeup	He
Heater	On 300 °C
H2 Flow	Off
Air Flow	Off
Makeup Flow	Off
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	Off
Blank Evaluation Setpoints	
Perform Blank Evaluation Test	Off

Helium Conservation	
Helium Valve	Off
Nitrogen Valve	Off

Detector Evaluation	
Perform Detector Evaluation Test	Off

MSD Transfer Line	
Temperature	
Setpoint	On
(Initial)	280 °C

Signals
Signal #1:

Description	None
Signal #2: Description	None
Signal #3: Description	None
Signal #4: Description	None
Signal #5: Description	None
Signal #6: Description	None
Signal #7: Description	None
Signal #8: Description	None

TUNE PARAMETERS for SN: US2246MS10

Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
29.720	:	REPELLER	
90.331	:	IONFOCUS	
20.181	:	ENTRANCE_LENS	
883.721	:	EMVOLTS	
			913.2 : Actual EMV
			1.00 : GAIN FACTOR
3335.000	:	AMUGAIN	
132.750	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
13.233	:	ENTLENSOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
421.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

DATA ANALYSIS PARAMETERS

Method Name: D:\MassHunter\GCMS\1\methods\ASMSDRUGS60.M

Percent Report Settings

Sort By: Signal

Output Destination

Screen: No
Printer: Yes
File: No

Integration Events: AutoIntegrate

Generate Report During Run Method: No

Signal Correlation Window: 0.020

Qualitative Report Settings

Peak Location of Unknown: Apex

Library to Search Minimum Quality

Q:\Instrument Libraries\Current\TBI_DRUG.L 0

Q:\Instrument Libraries\Current\SWGDRUG 3.12.L 0

Q:\Instrument Libraries\Current\CaymanSpectralLibrary.L

Integration Events: AutoIntegrate

Report Type: Summary

Output Destination

Screen: No
Printer: Yes
File: No

Generate Report During Run Method: No

Quantitative Report Settings

Report Type: Summary

Output Destination

Screen: Yes

Printer: No

File: No

Generate Report During Run Method: No

Calibration Last Updated:

Reference Window: 10.00 Percent

Non-Reference Window: 5.00 Percent

Correlation Window: 0.02 minutes

Default Multiplier: 1.00

Default Sample Concentration: 0.00

Compound Information

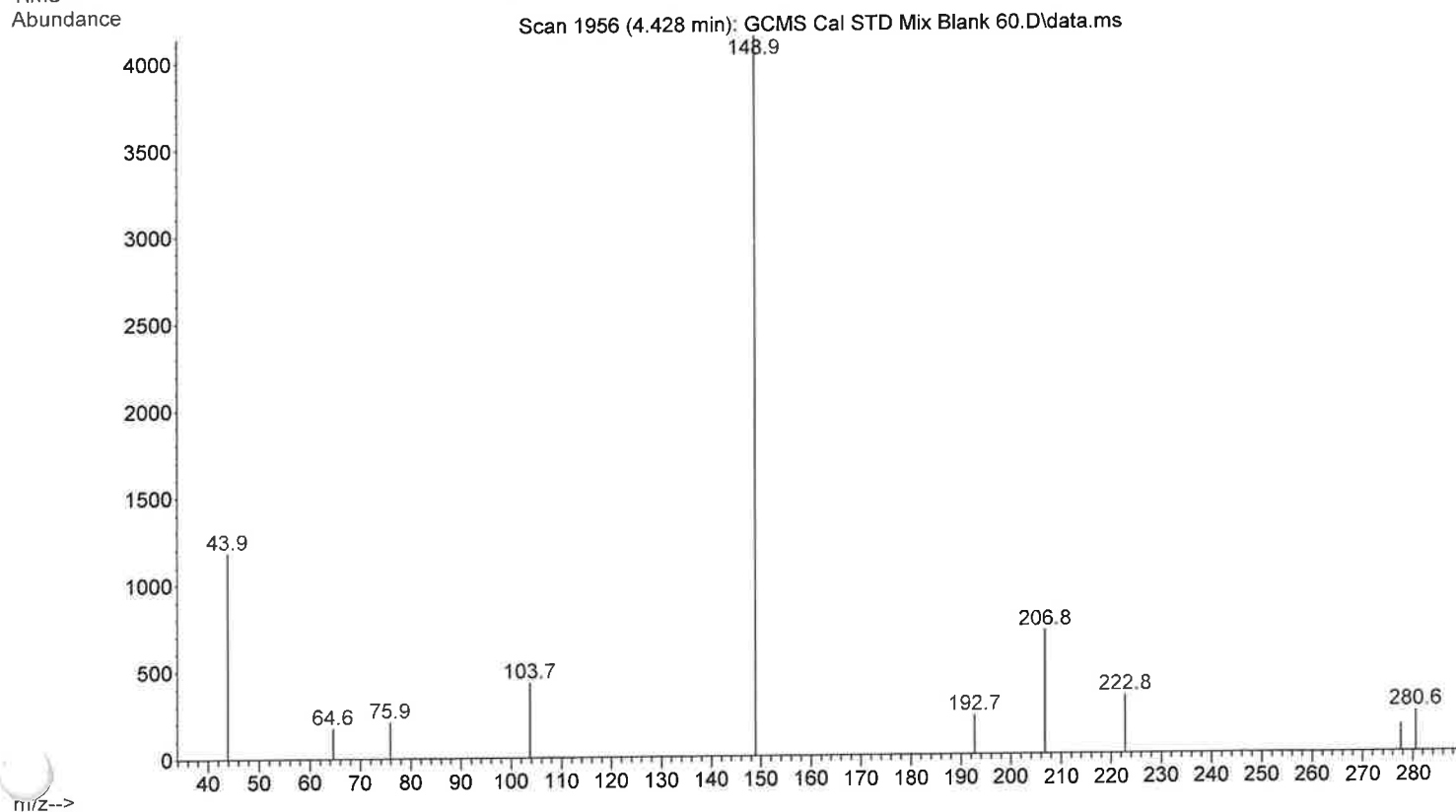
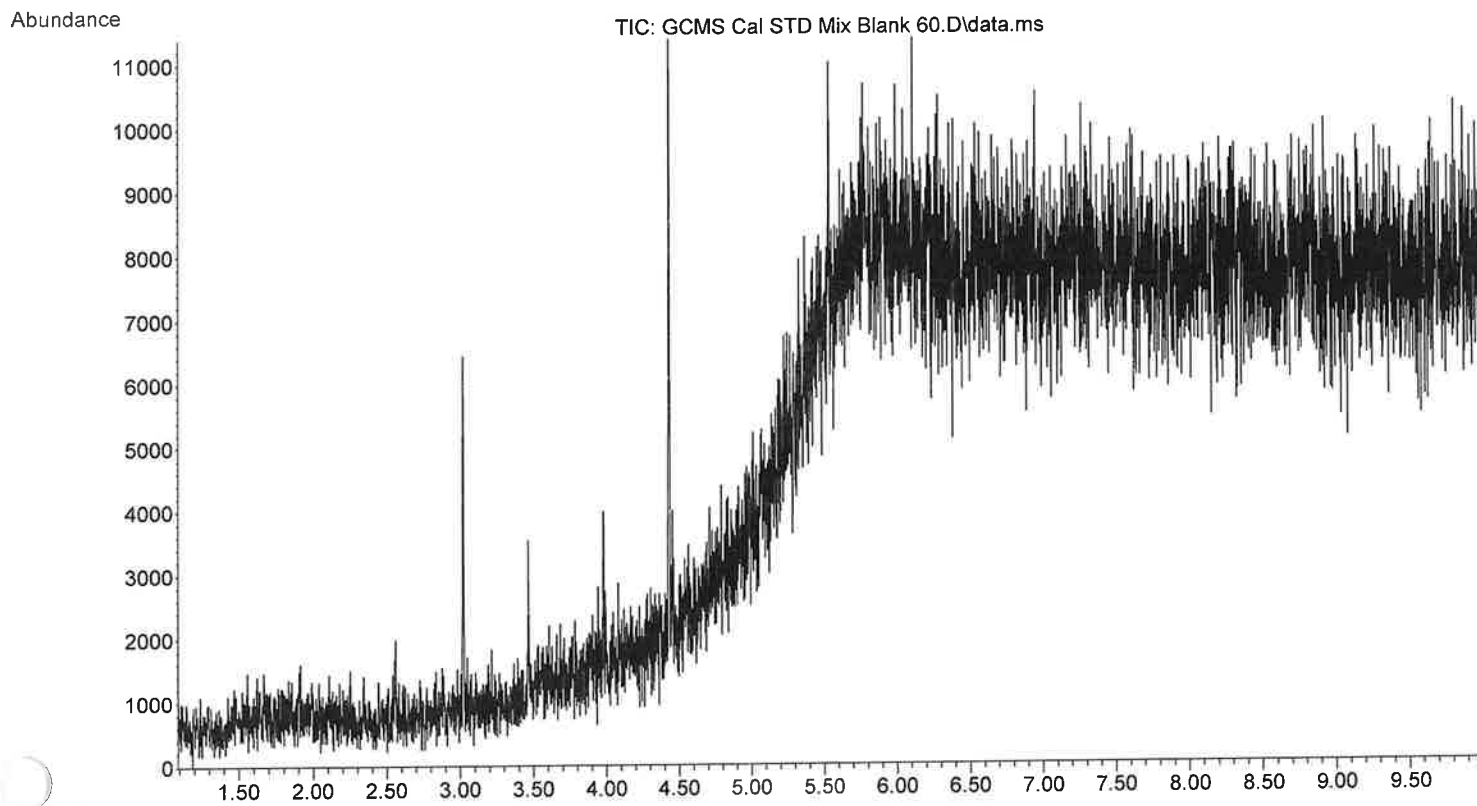
*** Empty Quantitation Database ***

END OF DATA ANALYSIS PARAMETERS

Tue Apr 04 08:59:02 2023

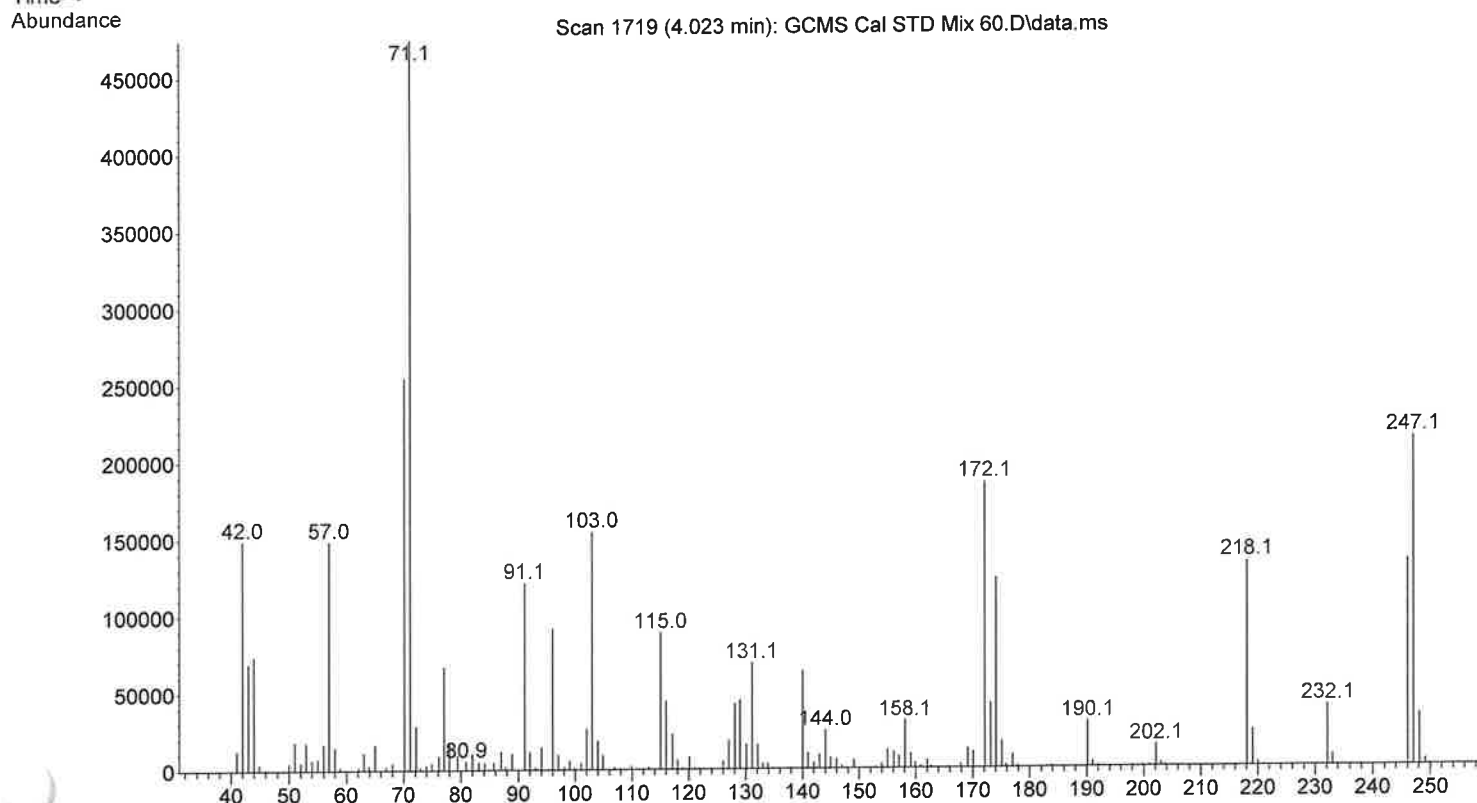
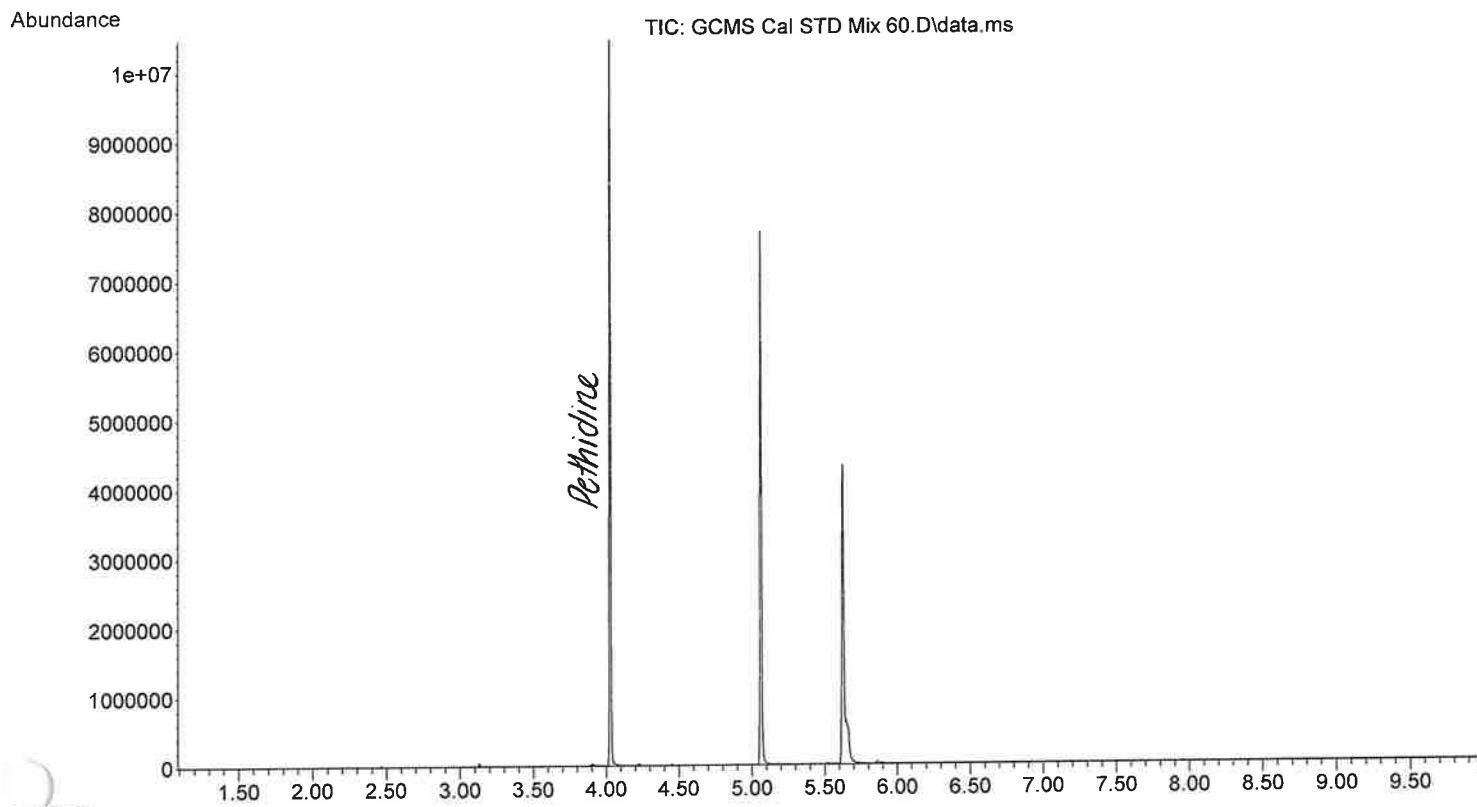
902

File :X:\2023\IB\04-12-23\GCMS Cal STD Mix Blank 60.D
Operator :
Acquired : 12 Apr 2023 20:28 using AcqMethod ASMSDRUGS60.M
Instrument : Stringbean
Sample Name: GCMS Cal STD Mix Blank 60
Misc Info : MEOH
Vial Number: 2



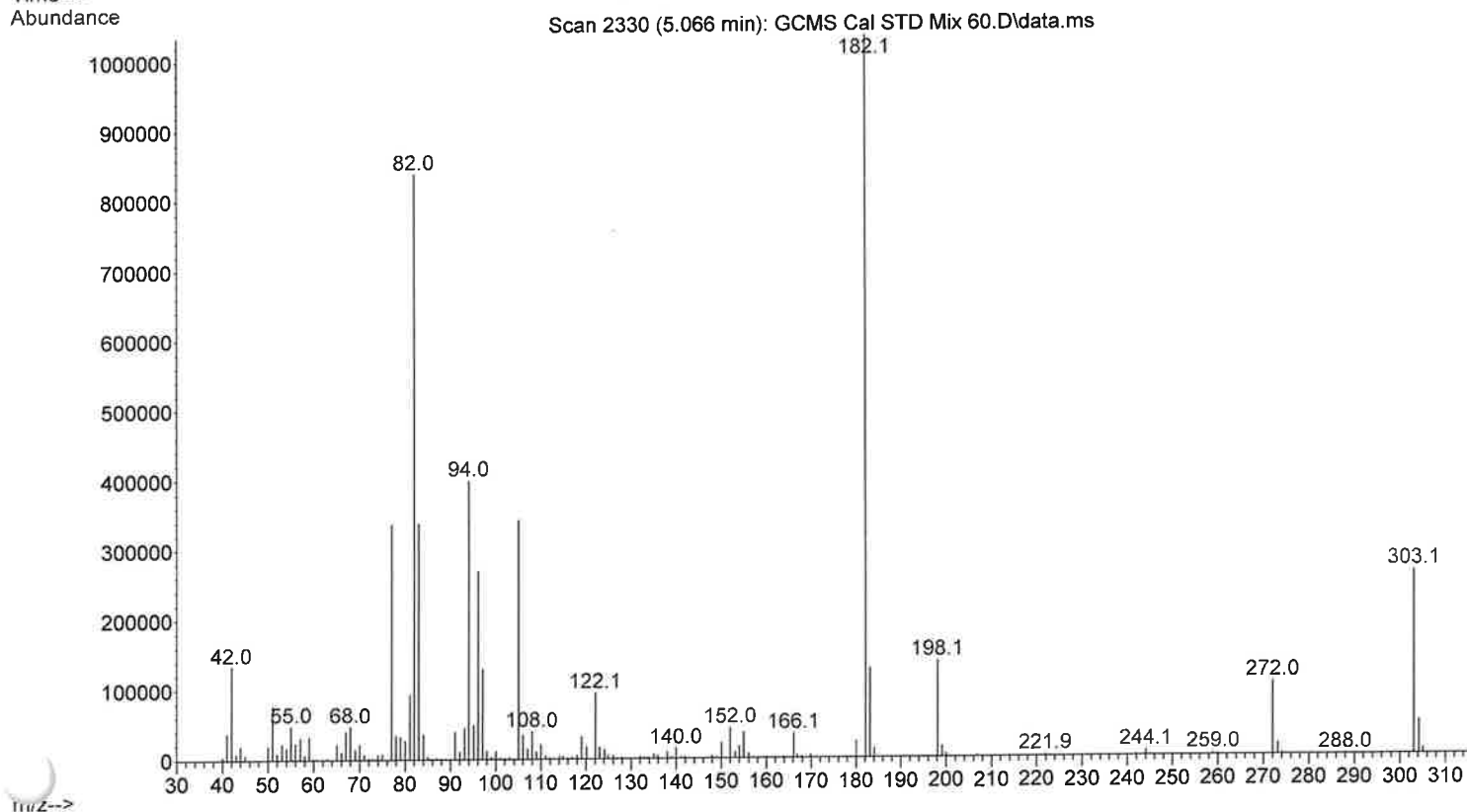
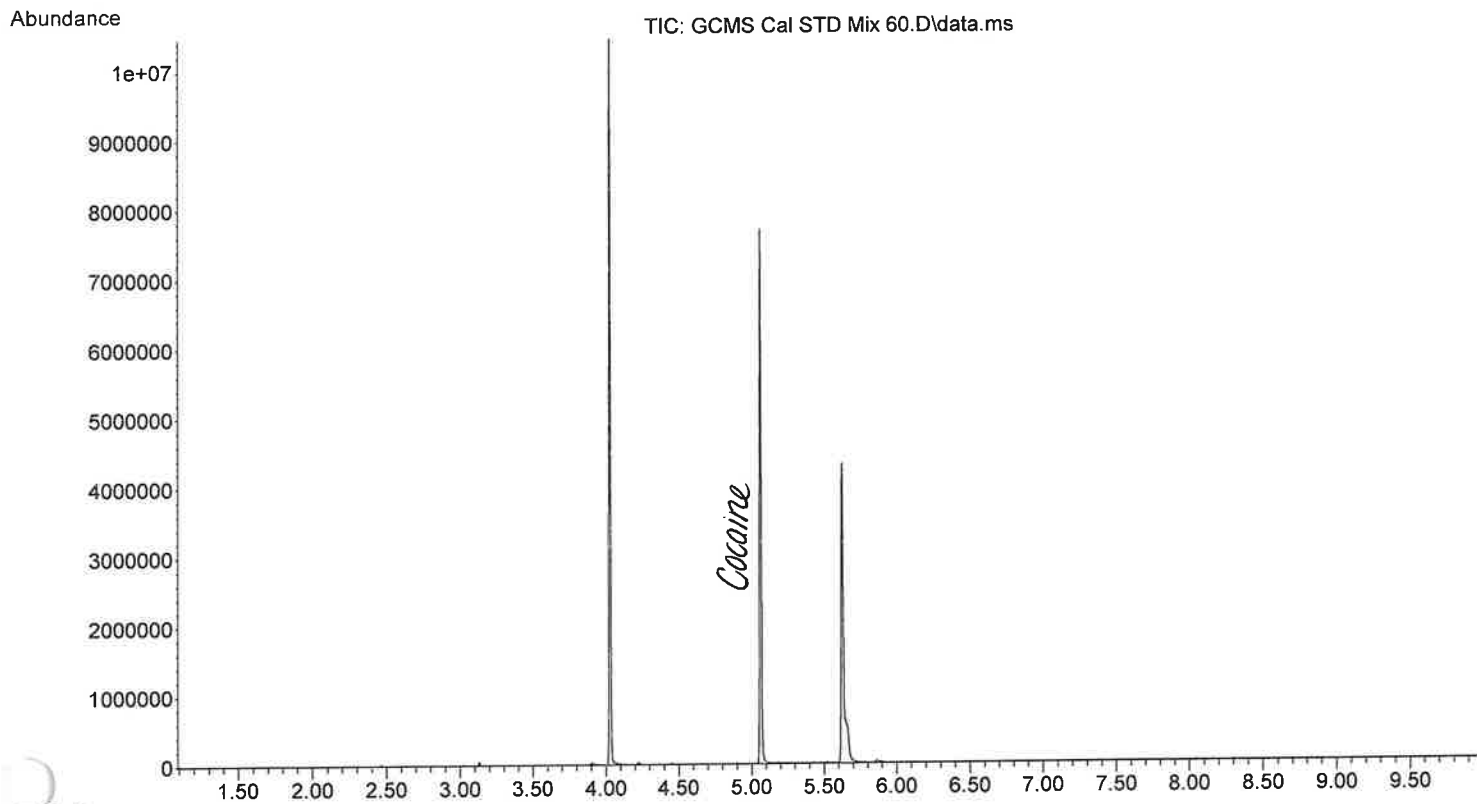
962

File :X:\2023\IB\04-12-23\GCMS Cal STD Mix 60.D
Operator :
Acquired : 12 Apr 2023 20:42 using AcqMethod ASMSDRUGS60.M
Instrument : Stringbean
Sample Name: GCMS Cal STD Mix 60
Misc Info : MEOH, Exp.03-20-24
Vial Number: 3



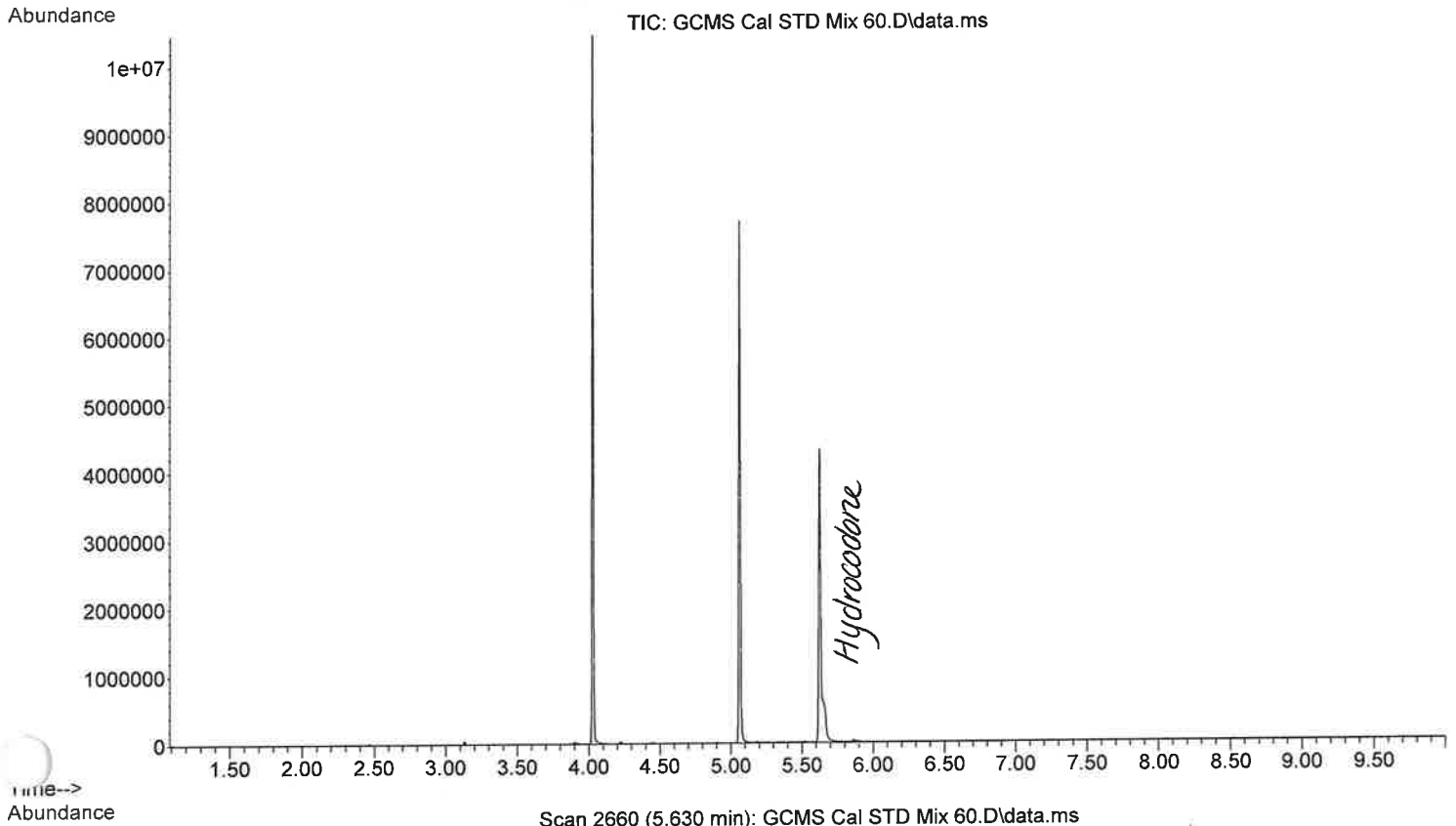
all

File :X:\2023\IB\04-12-23\GCMS Cal STD Mix 60.D
Operator :
Acquired : 12 Apr 2023 20:42 using AcqMethod ASMSDRUGS60.M
Instrument : Stringbean
Sample Name: GCMS Cal STD Mix 60
Misc Info : ME0H, Exp.03-20-24
Vi umber: 3

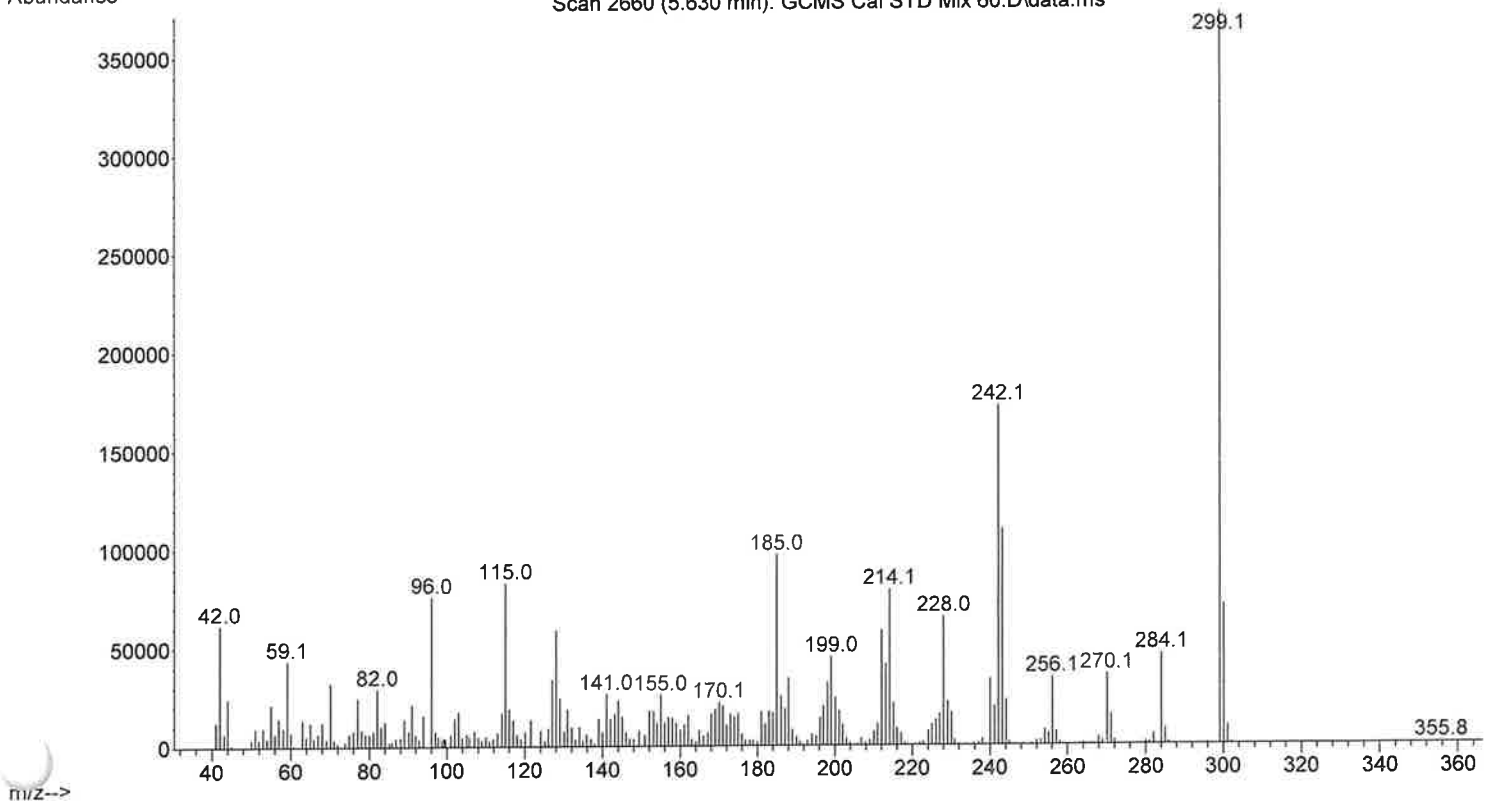


File :X:\2023\IB\04-12-23\GCMS Cal STD Mix 60.D
Operator :
Acquired : 12 Apr 2023 20:42 using AcqMethod ASMSDRUGS60.M
Instrument : Stringbean
Sample Name: GCMS Cal STD Mix 60
Misc Info : MEOH, Exp.03-20-24
Vial Number: 3

Wb

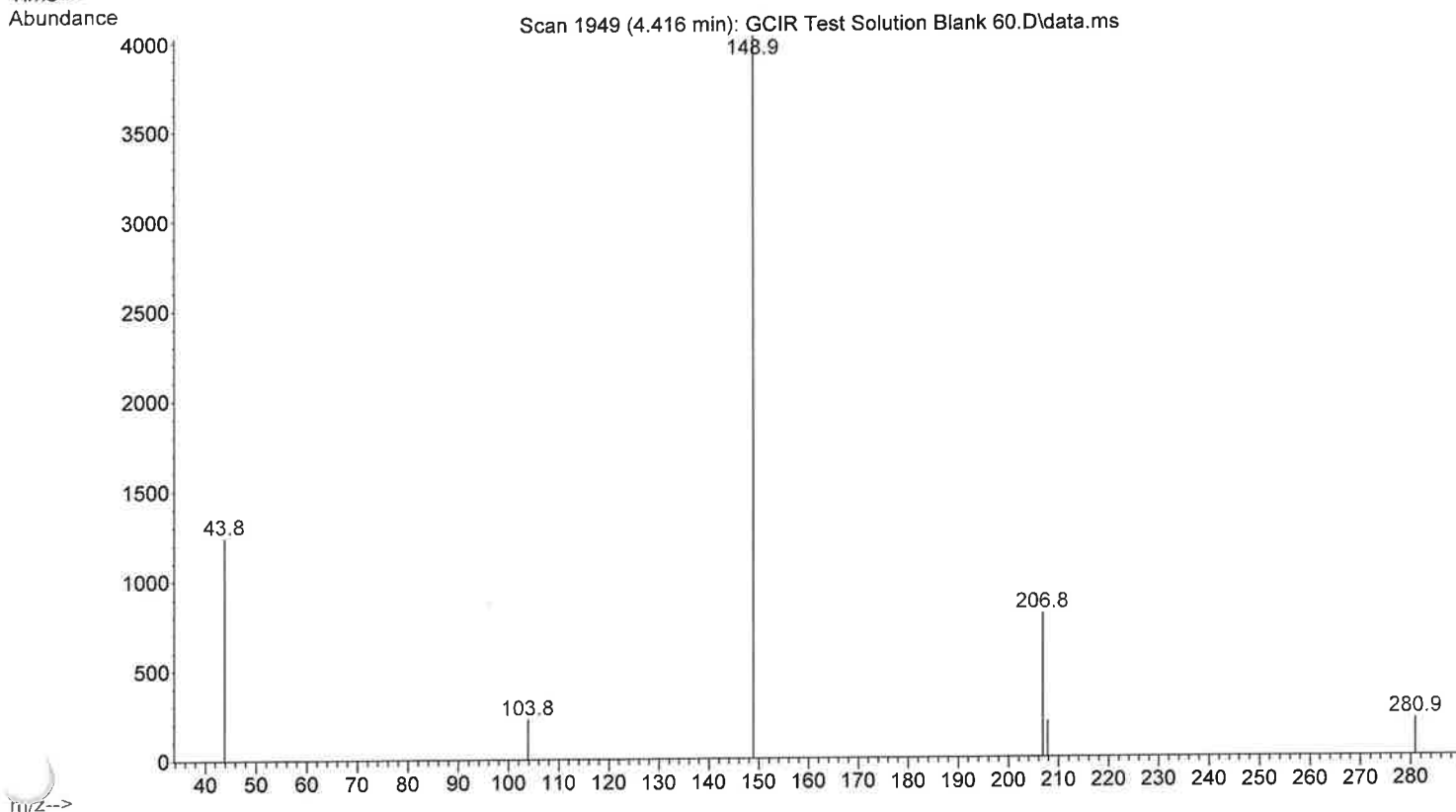
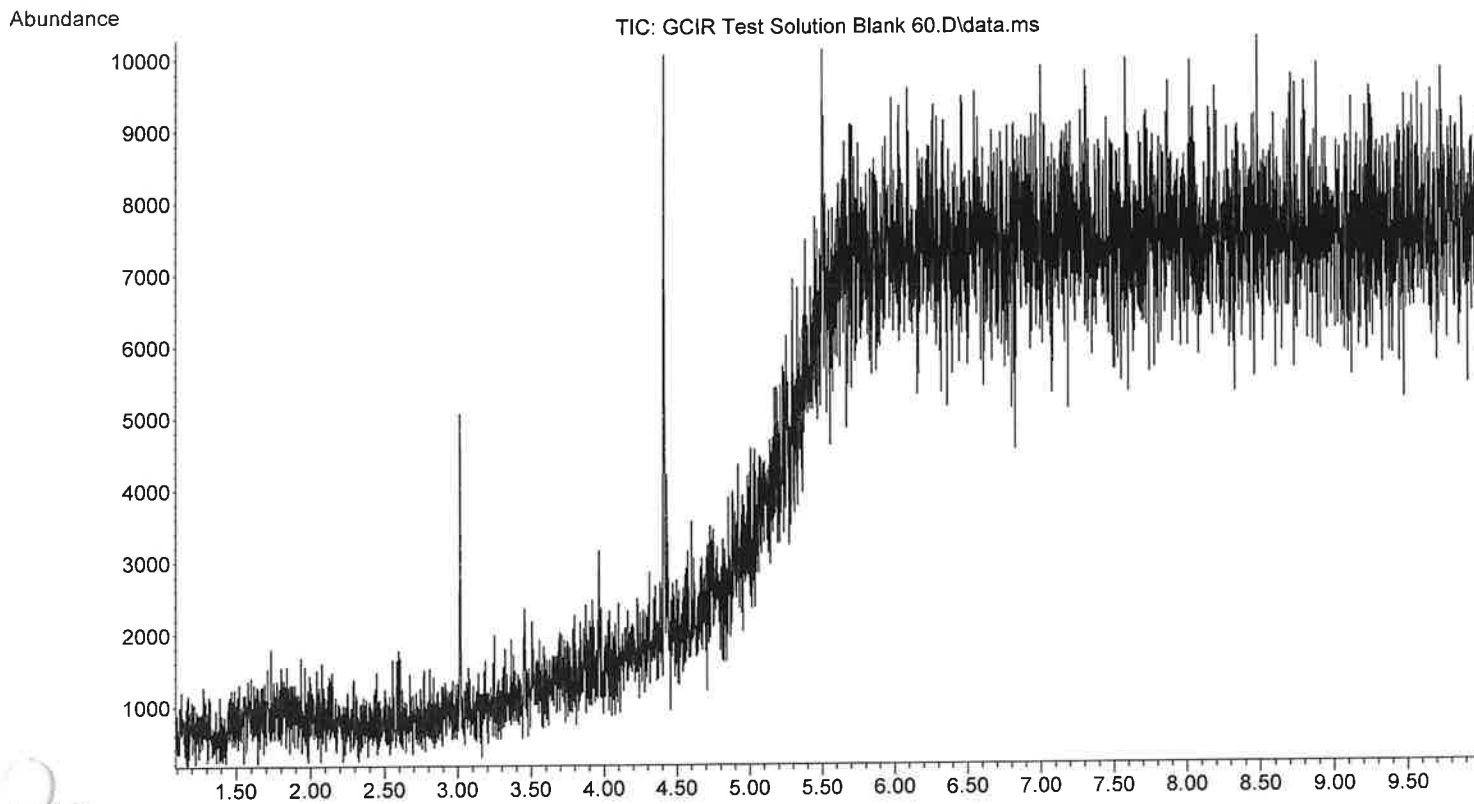


Scan 2660 (5.630 min): GCMS Cal STD Mix 60.D\data.ms



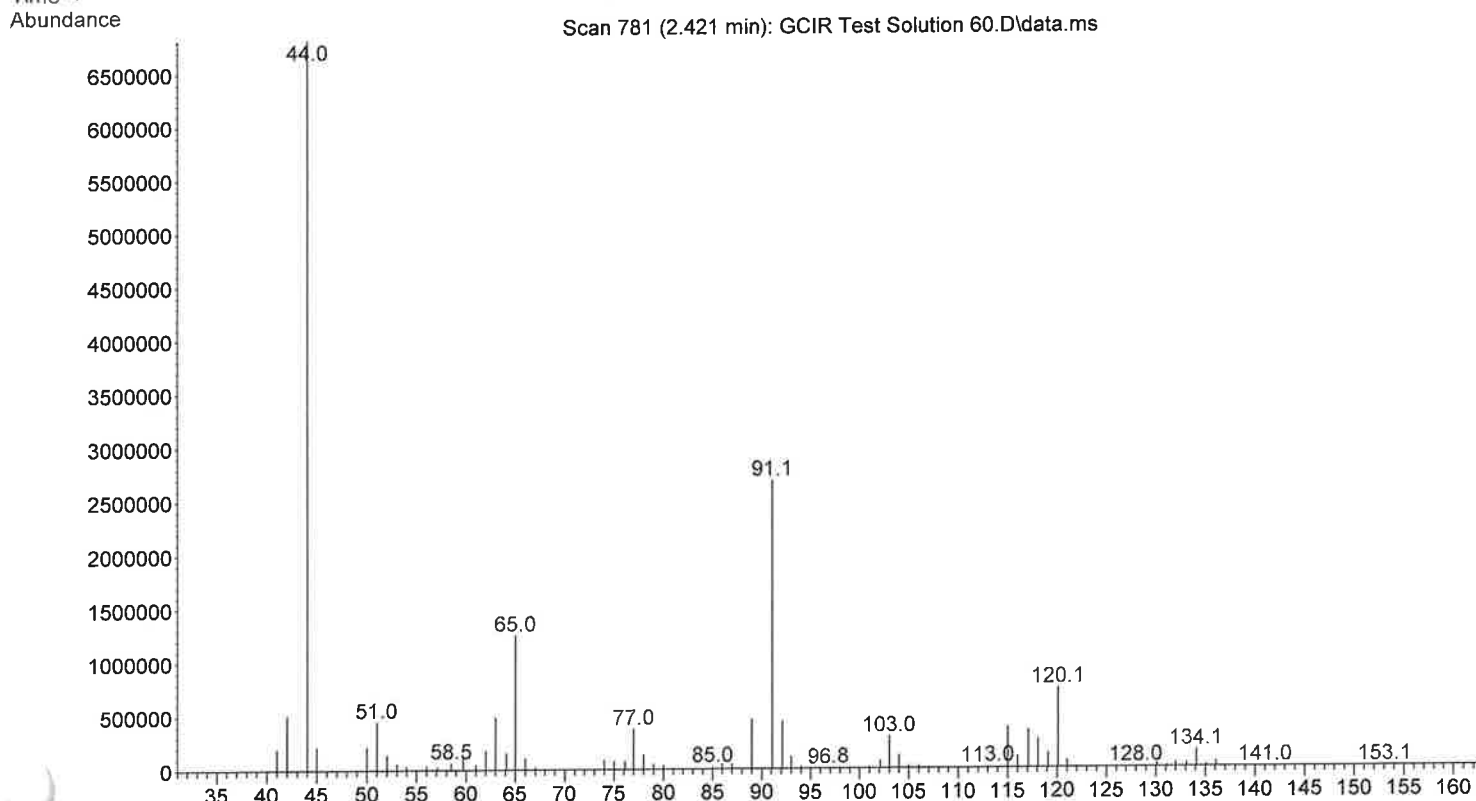
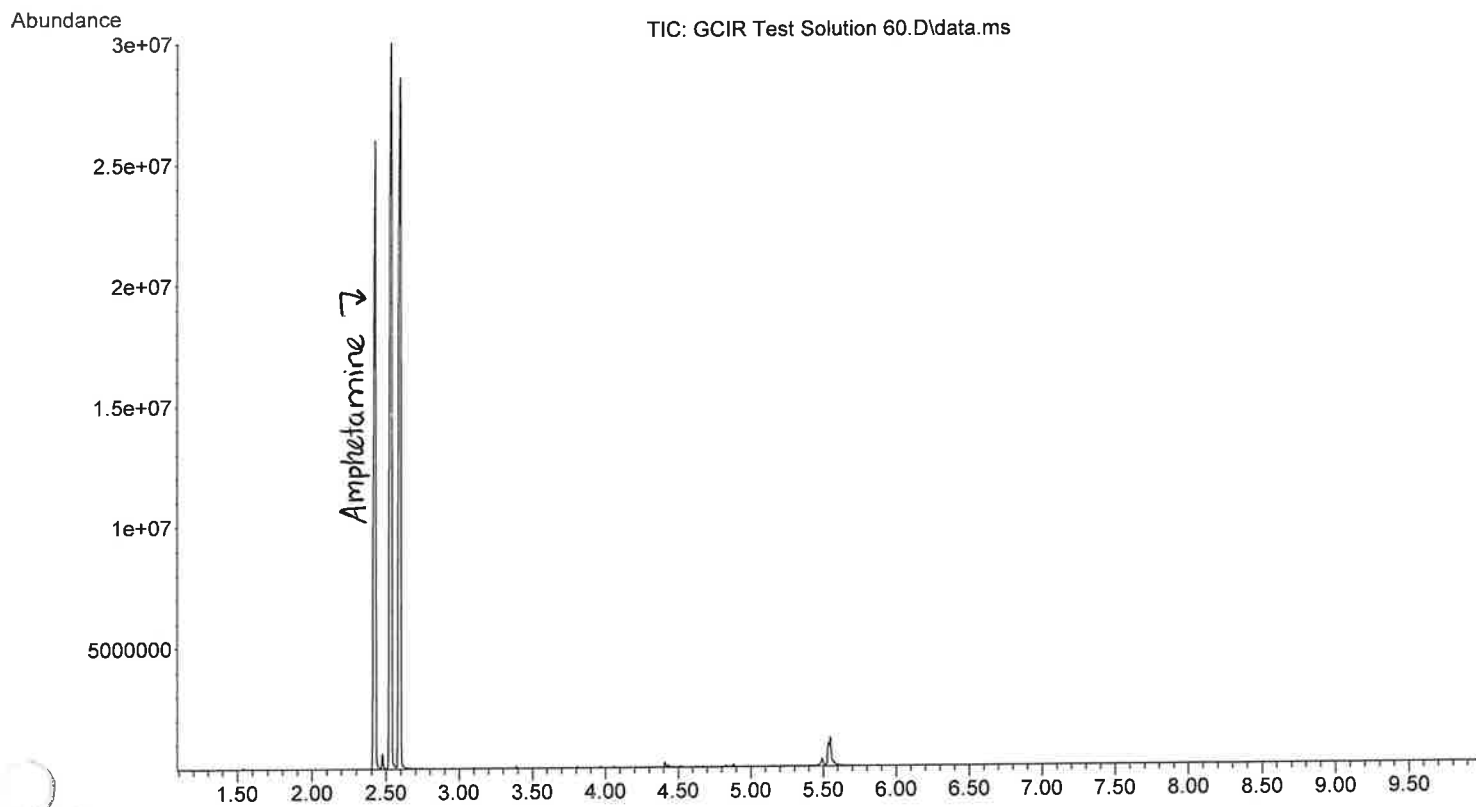
File :X:\2023\IB\04-12-23\GCIR Test Solution Blank 60.D
Operator :
Acquired : 12 Apr 2023 21:24 using AcqMethod ASMSDRUGS60.M
Instrument : Stringbean
Sample Name: GCIR Test Solution Blank 60
Misc Info : MEOH
Vial Number: 4

dk



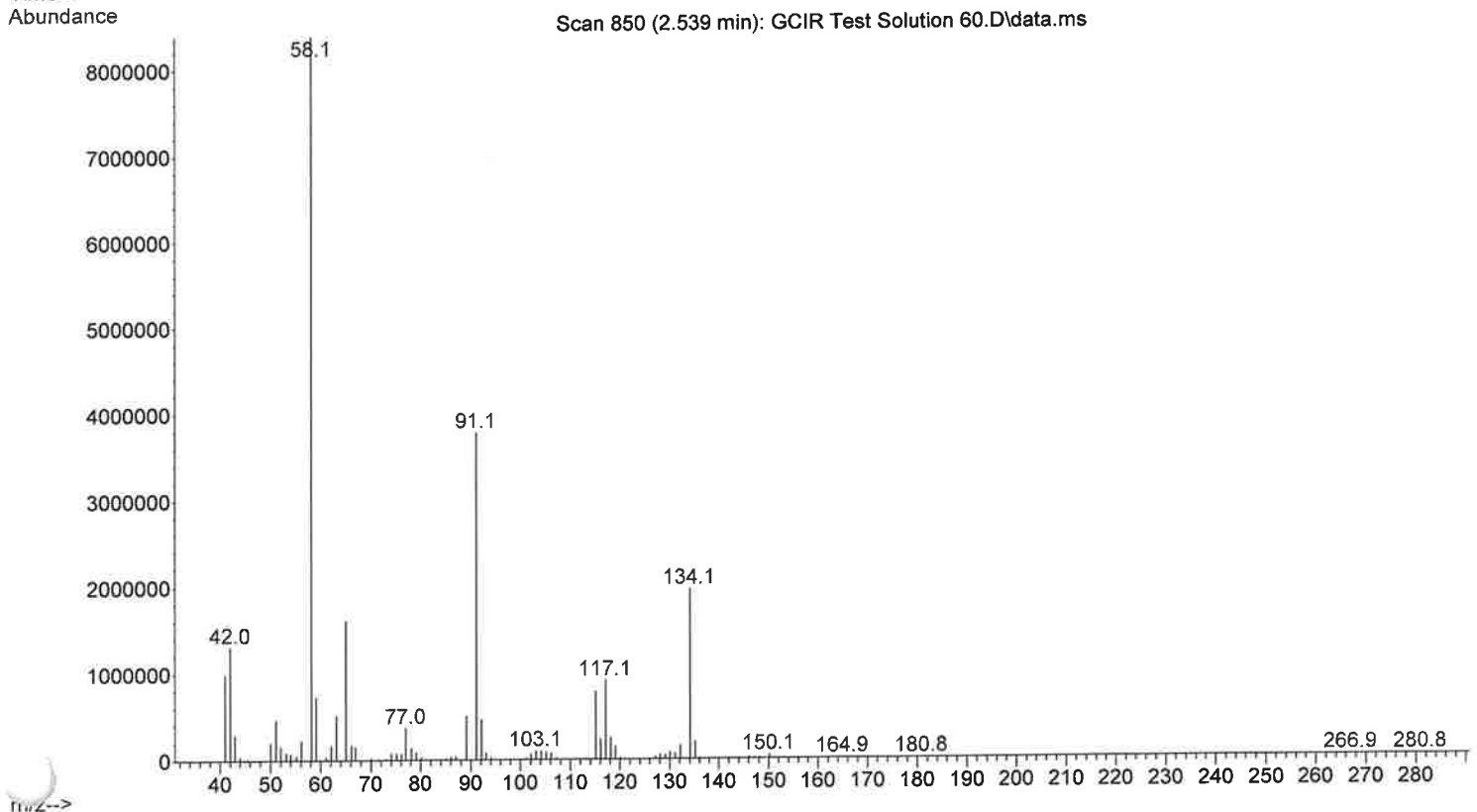
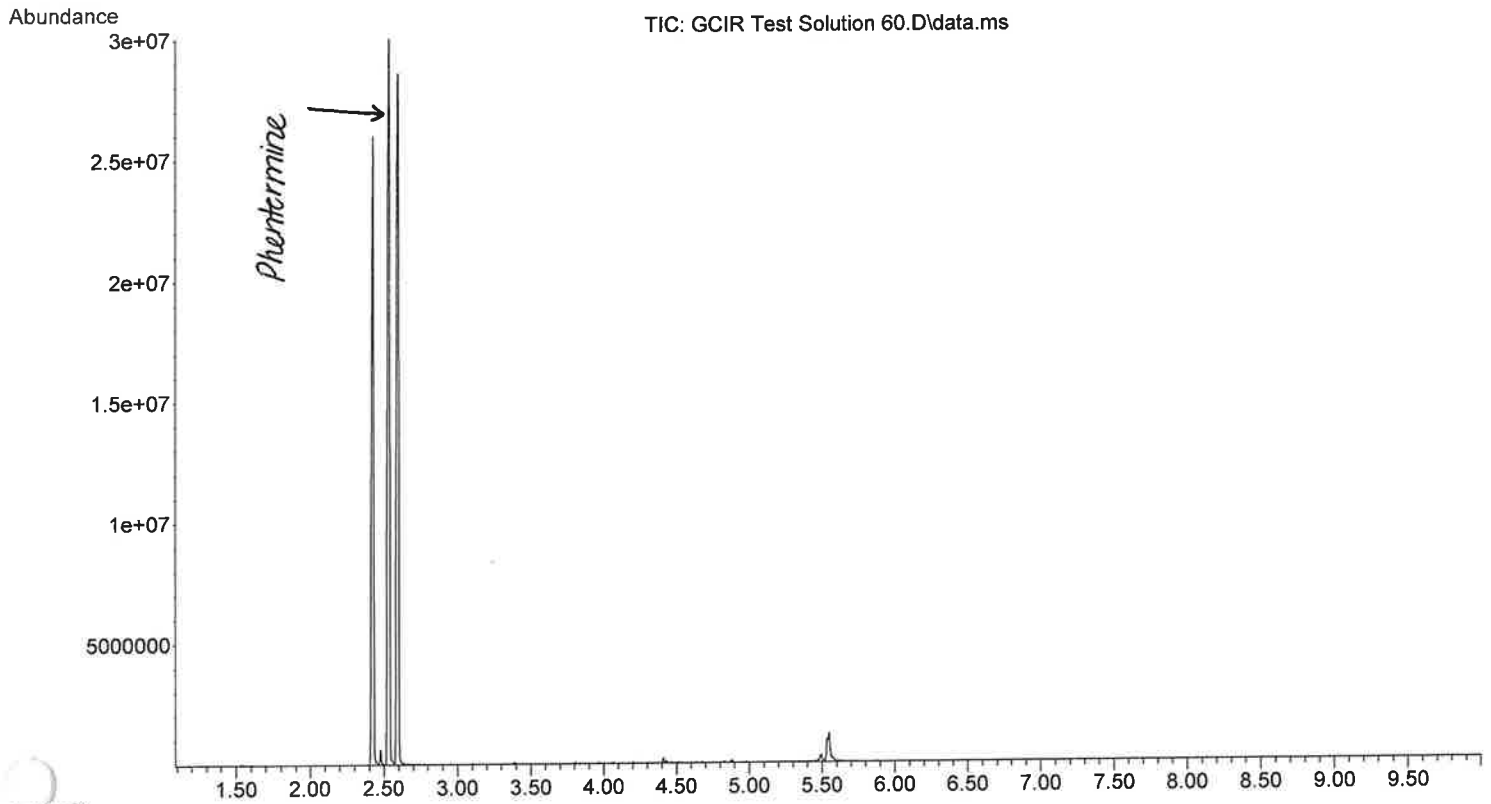
File :X:\2023\IB\04-12-23\GCIR Test Solution 60.D
Operator :
Acquired : 12 Apr 2023 21:38 using AcqMethod ASMSDRUGS60.M
Instrument : Stringbean
Sample Name: GCIR Test Solution 60
Misc Info : 0.5N NaOH/CHCL3, Exp.02-23-24
Vi: umber: 5

off



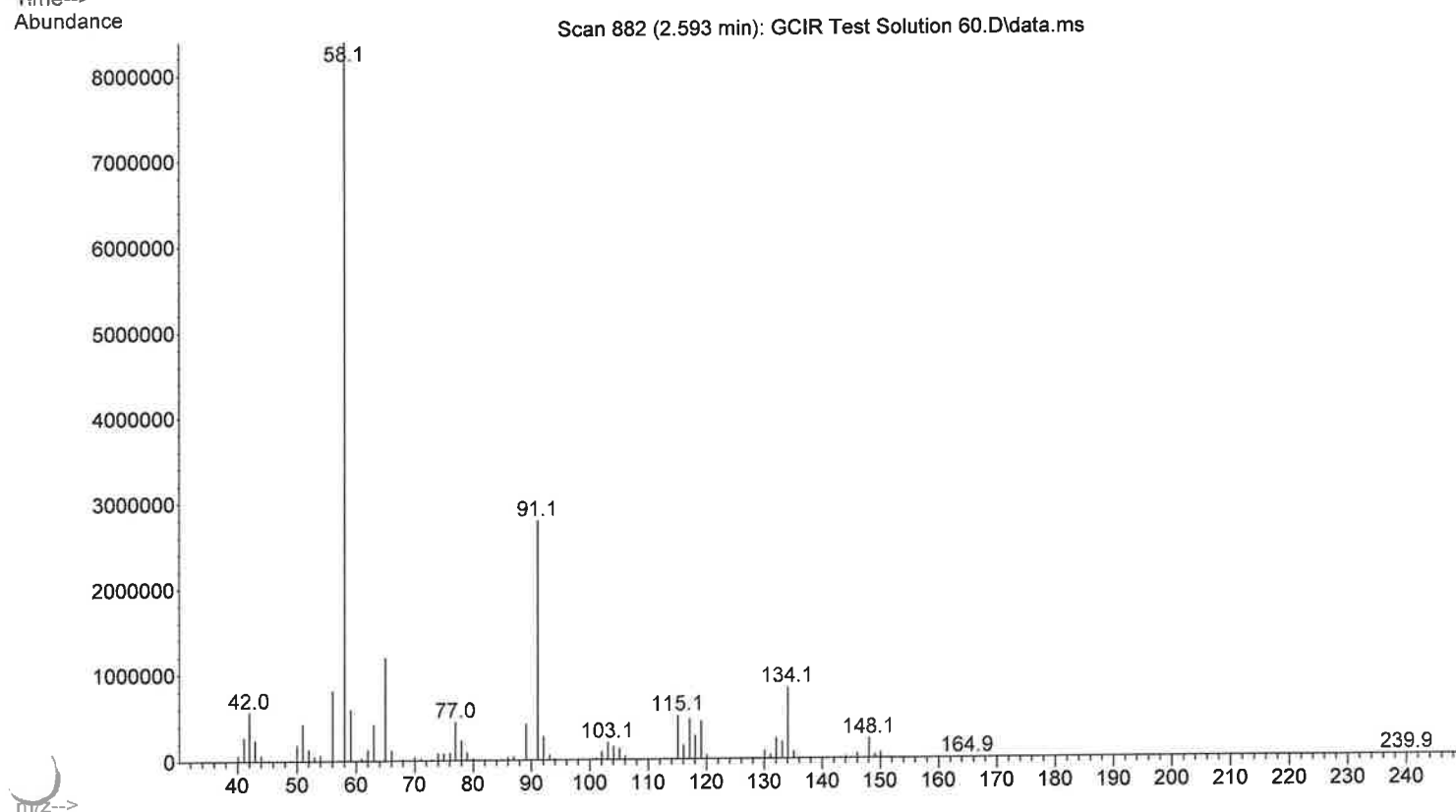
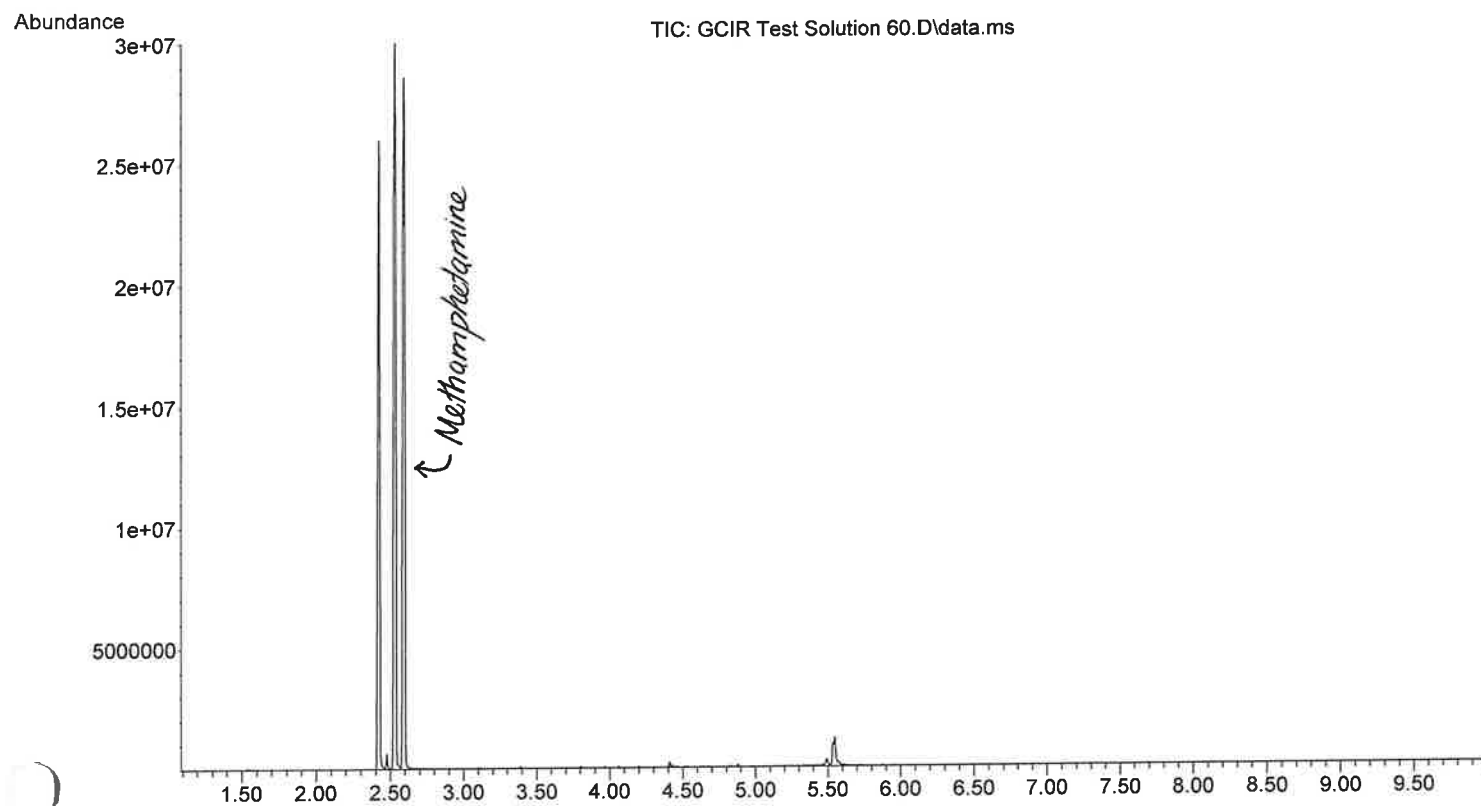
File :X:\2023\IB\04-12-23\GCIR Test Solution 60.D
Operator :
Acquired : 12 Apr 2023 21:38 using AcqMethod ASMSDRUGS60.M
Instrument : Stringbean
Sample Name: GCIR Test Solution 60
Misc Info : 0.5N NaOH/CHCL3, Exp.02-23-24
Vial Number: 5

986



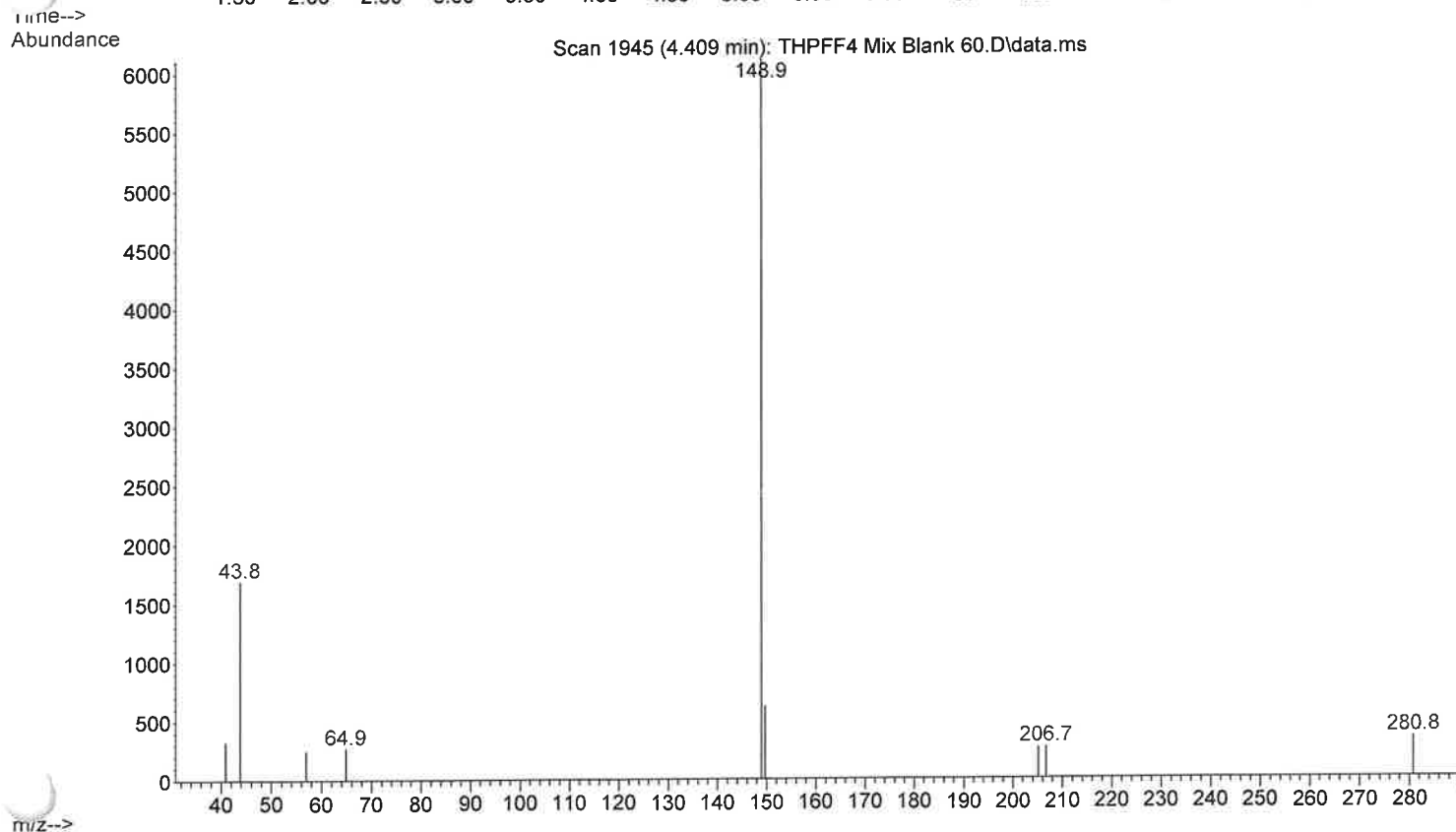
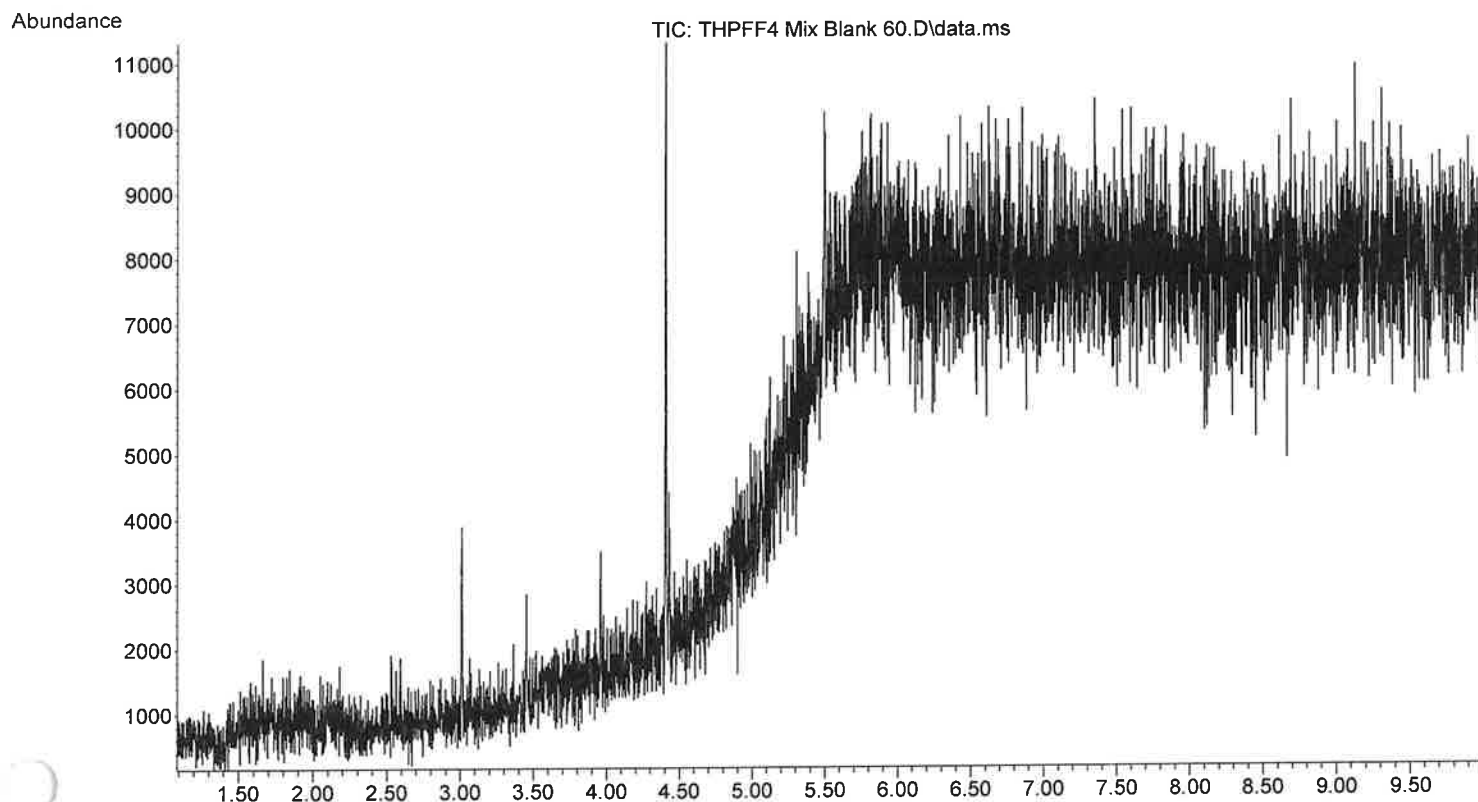
File :X:\2023\IB\04-12-23\GCIR Test Solution 60.D
Operator :
Acquired : 12 Apr 2023 21:38 using AcqMethod ASMSDRUGS60.M
Instrument : Stringbean
Sample Name: GCIR Test Solution 60
Misc Info : 0.5N NaOH/CHCL3, Exp.02-23-24
Vi: umber: 5

49h



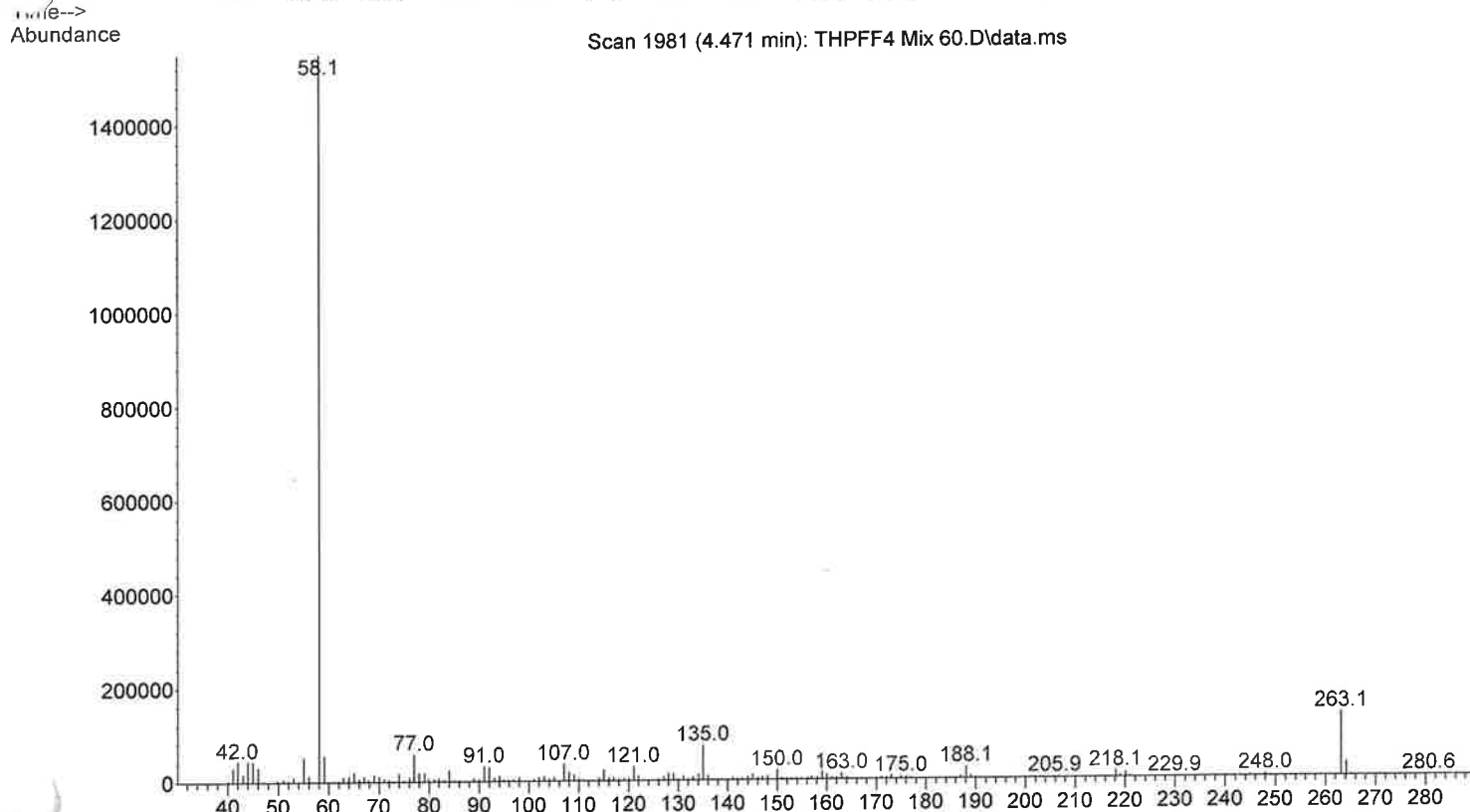
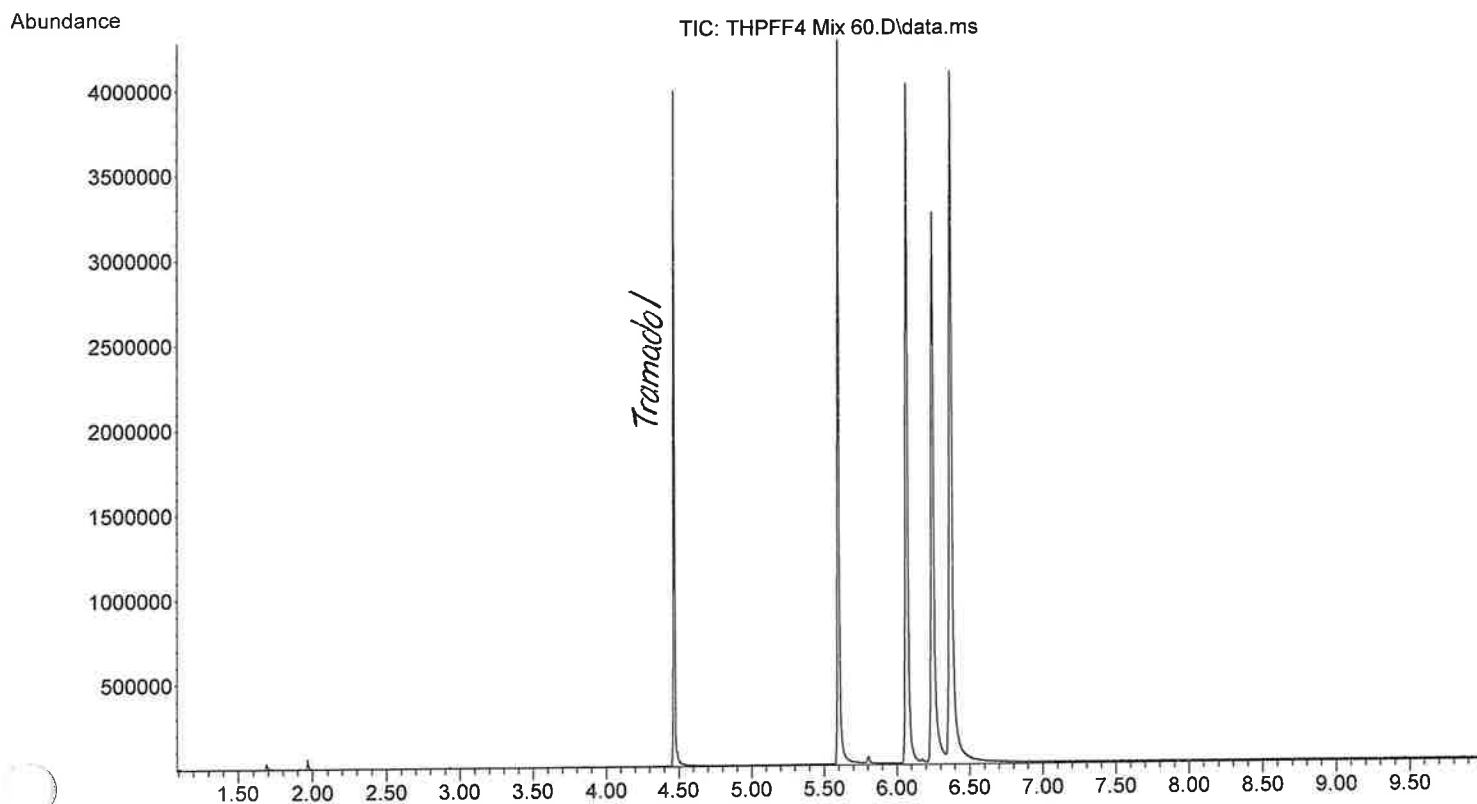
ellk

File :X:\2023\IB\04-12-23\THPFF4 Mix Blank 60.D
Operator :
Acquired : 12 Apr 2023 22:20 using AcqMethod ASMSDRUGS60.M
Instrument : Stringbean
Sample Name: THPFF4 Mix Blank 60
Misc Info : MEOH
Vial Number: 6



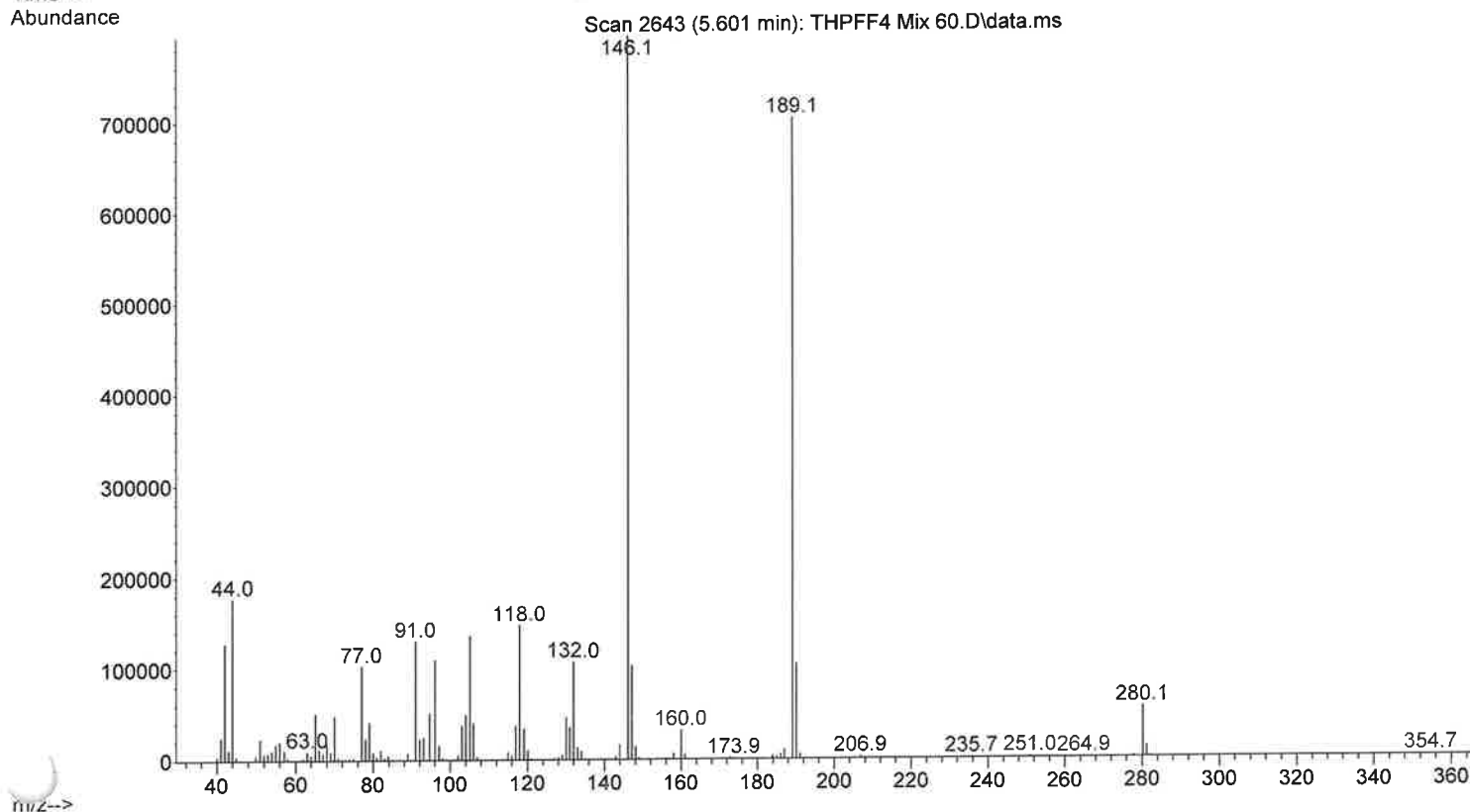
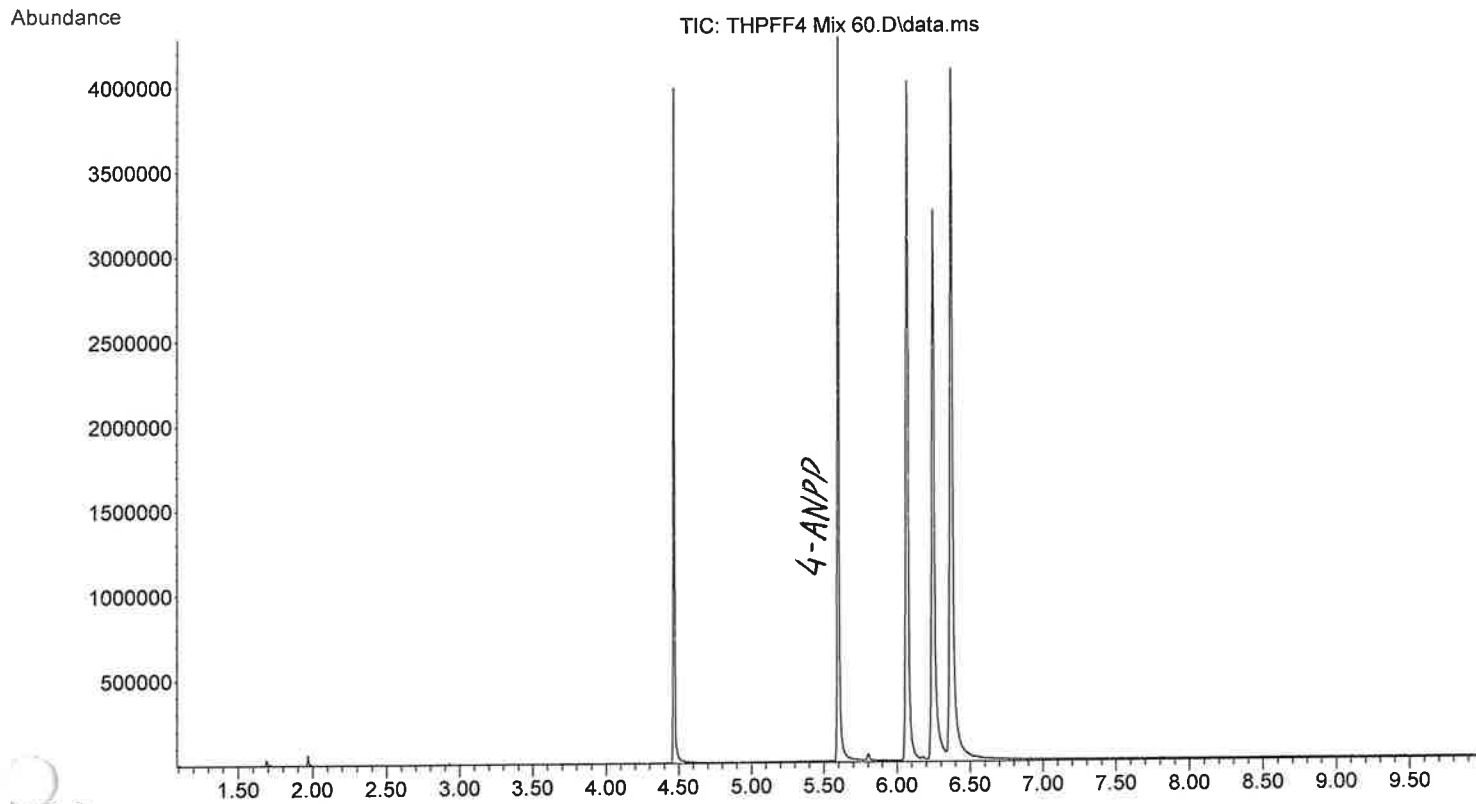
File : X:\2023\IB\04-12-23\THPFF4 Mix 60.D
Operator :
Acquired : 12 Apr 2023 22:34 using AcqMethod ASMSDRUGS60.M
Instrument : Stringbean
Sample Name: THPFF4 Mix 60
Misc Info : MEOH, Exp.03-22-24
Vi umber: 7

OK



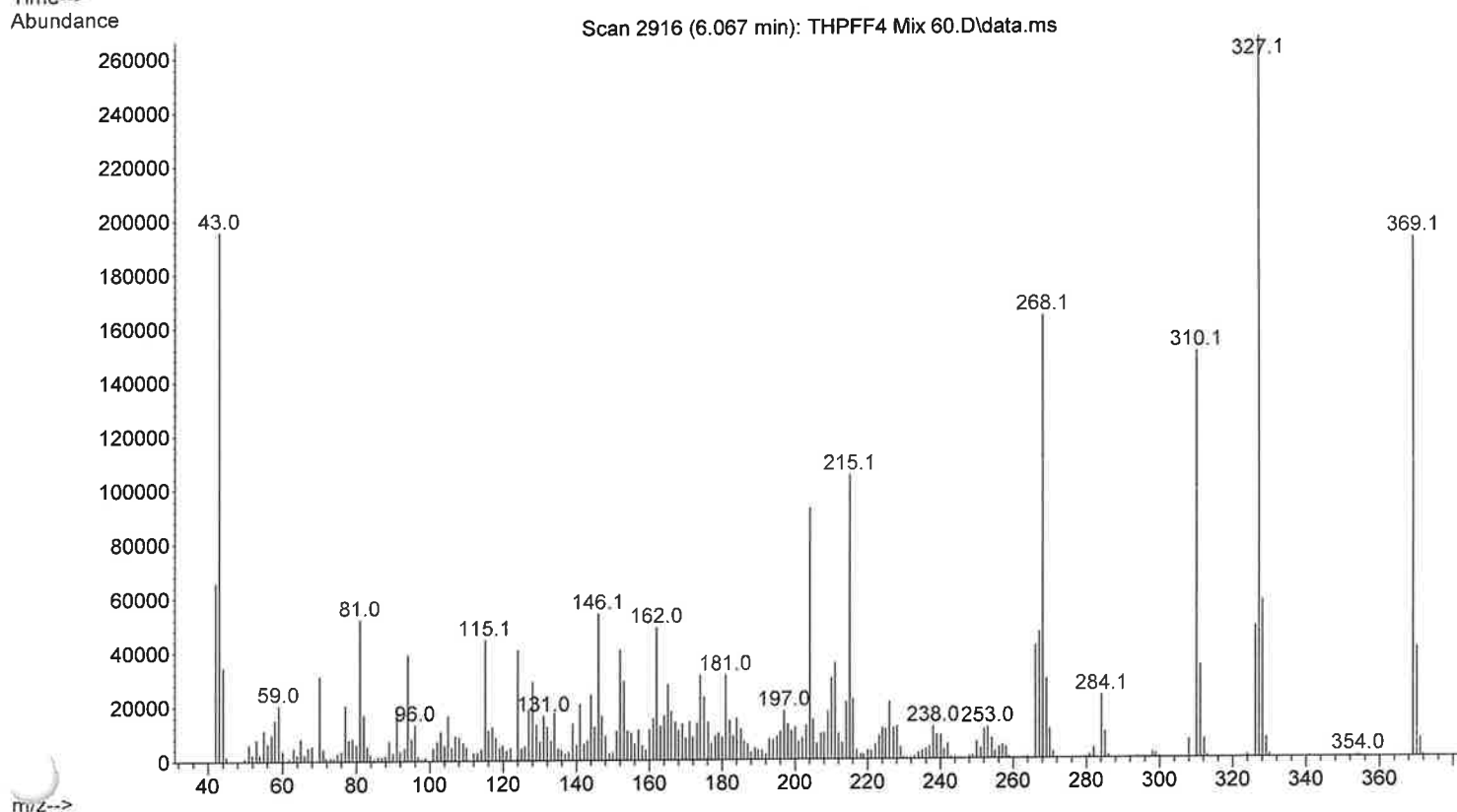
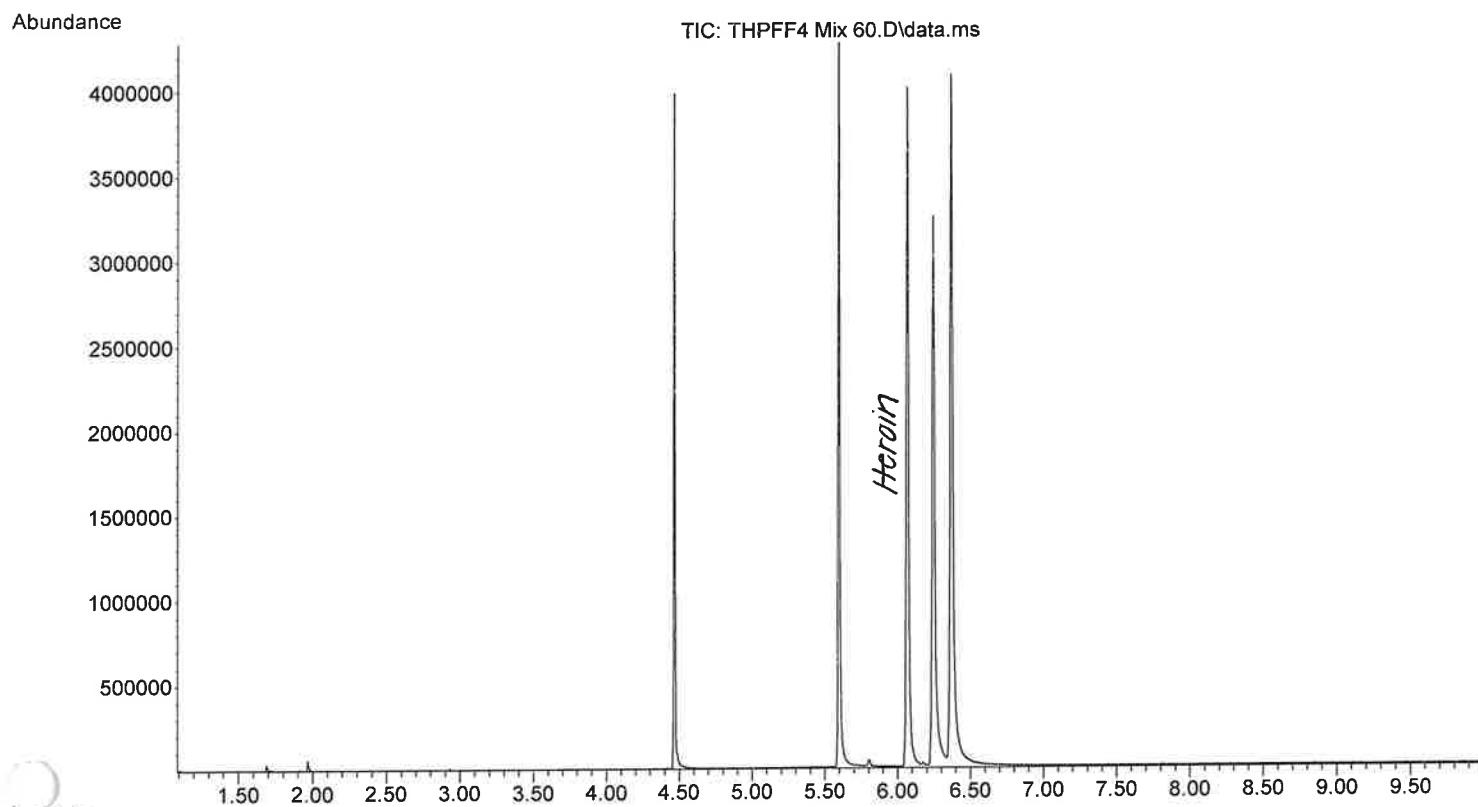
88

File :X:\2023\IB\04-12-23\THPFF4 Mix 60.D
Operator :
Acquired : 12 Apr 2023 22:34 using AcqMethod ASMSDRUGS60.M
Instrument : Stringbean
Sample Name: THPFF4 Mix 60
Misc Info : MEOH, Exp.03-22-24
Vial Number: 7



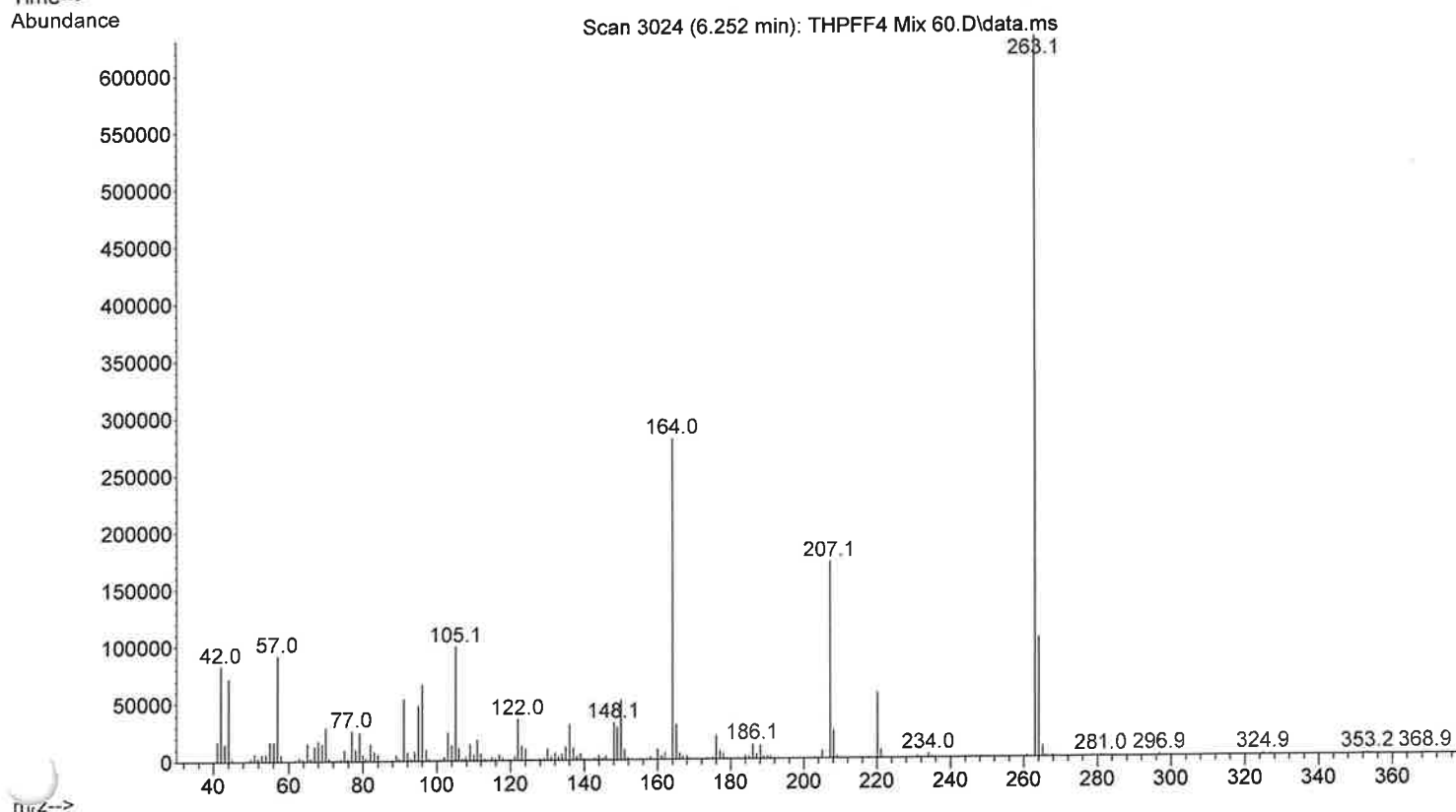
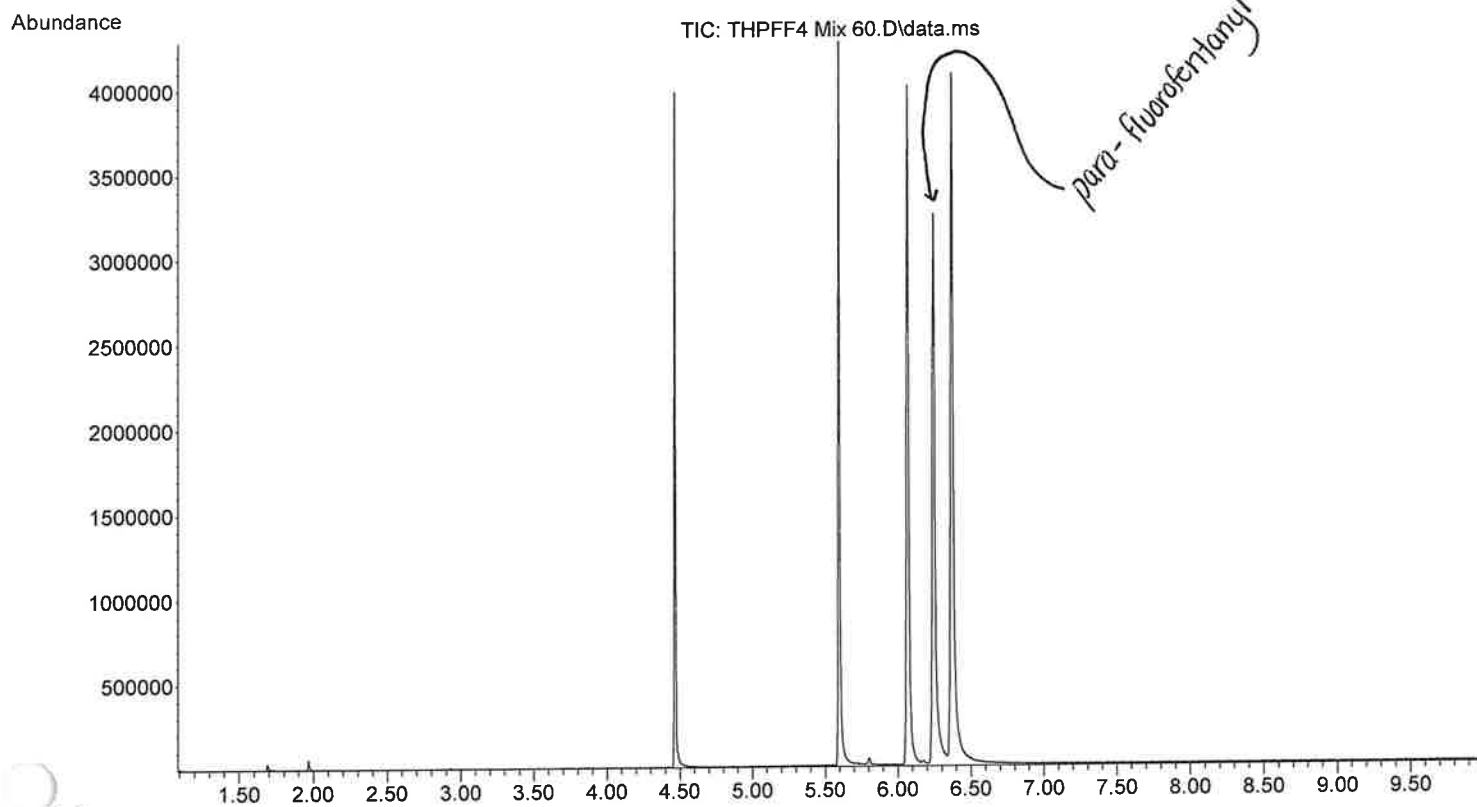
Handwritten initials

File :X:\2023\IB\04-12-23\THPFF4 Mix 60.D
Operator :
Acquired : 12 Apr 2023 22:34 using AcqMethod ASMSDRUGS60.M
Instrument : Stringbean
Sample Name: THPFF4 Mix 60
Misc Info : MEOH, Exp.03-22-24
Vial Number: 7



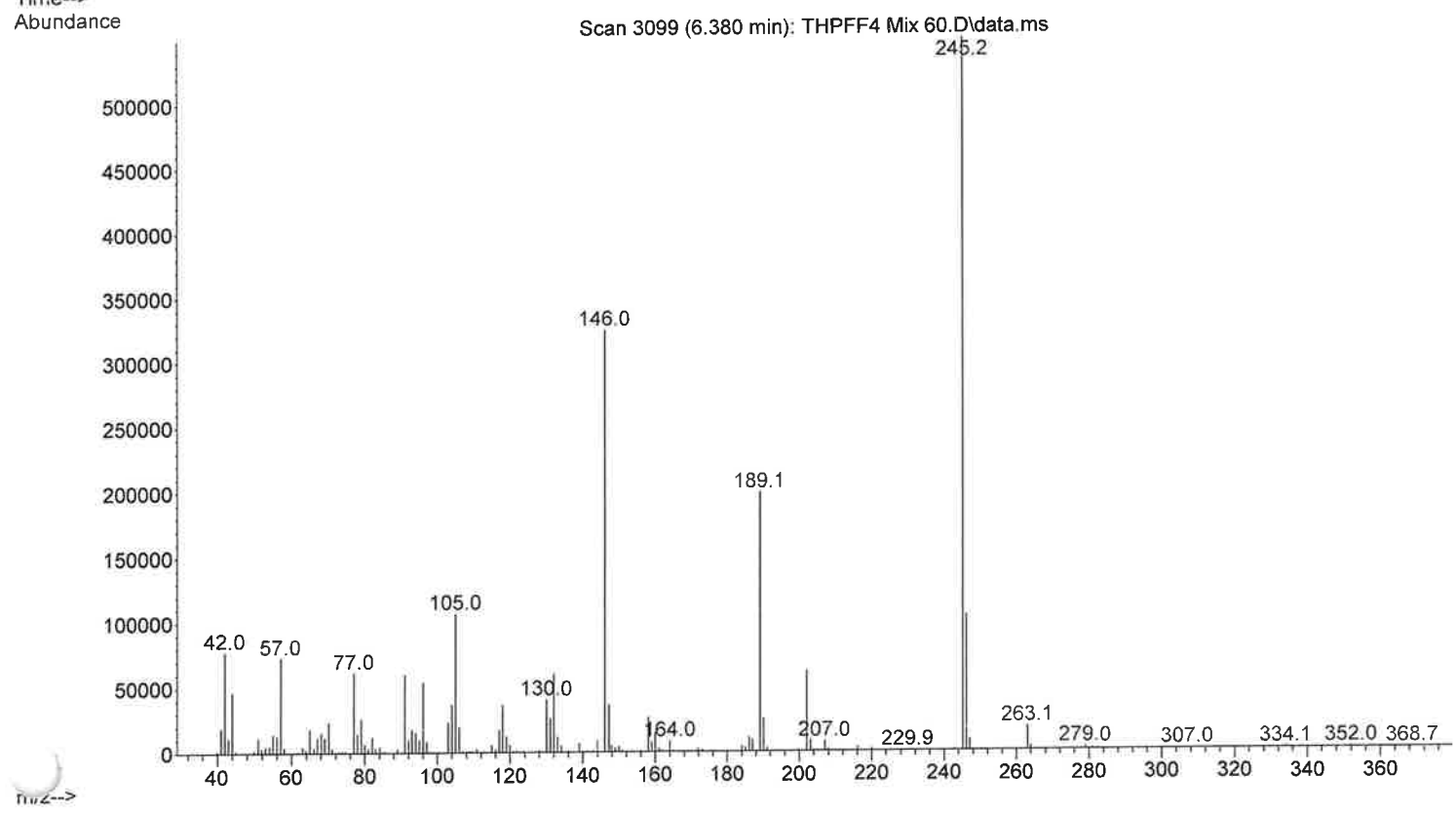
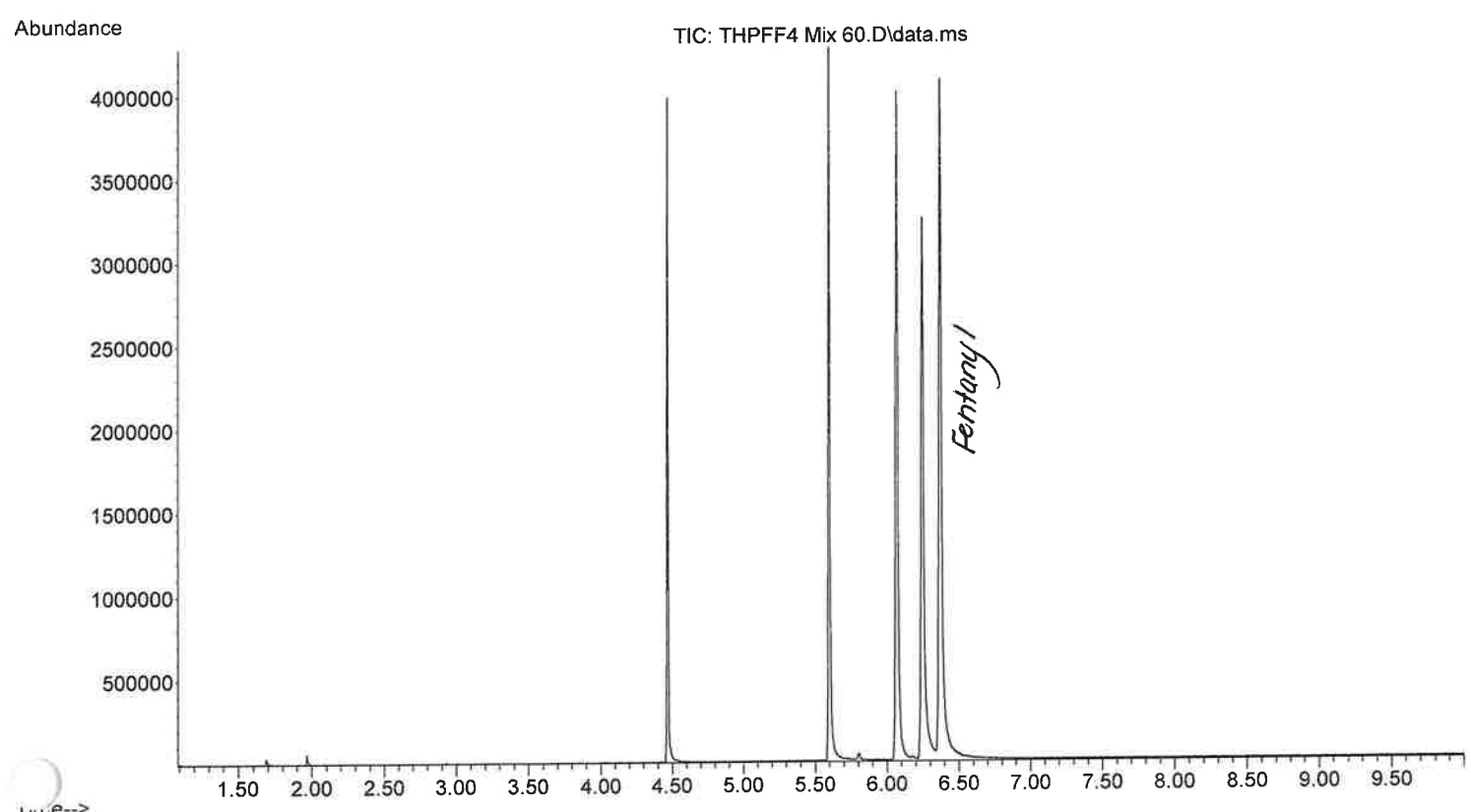
alk

File :X:\2023\IB\04-12-23\THPFF4 Mix 60.D
Operator :
Acquired : 12 Apr 2023 22:34 using AcqMethod ASMSDRUGS60.M
Instrument : Stringbean
Sample Name: THPFF4 Mix 60
Misc Info : MEOH, Exp.03-22-24
Vi umber: 7



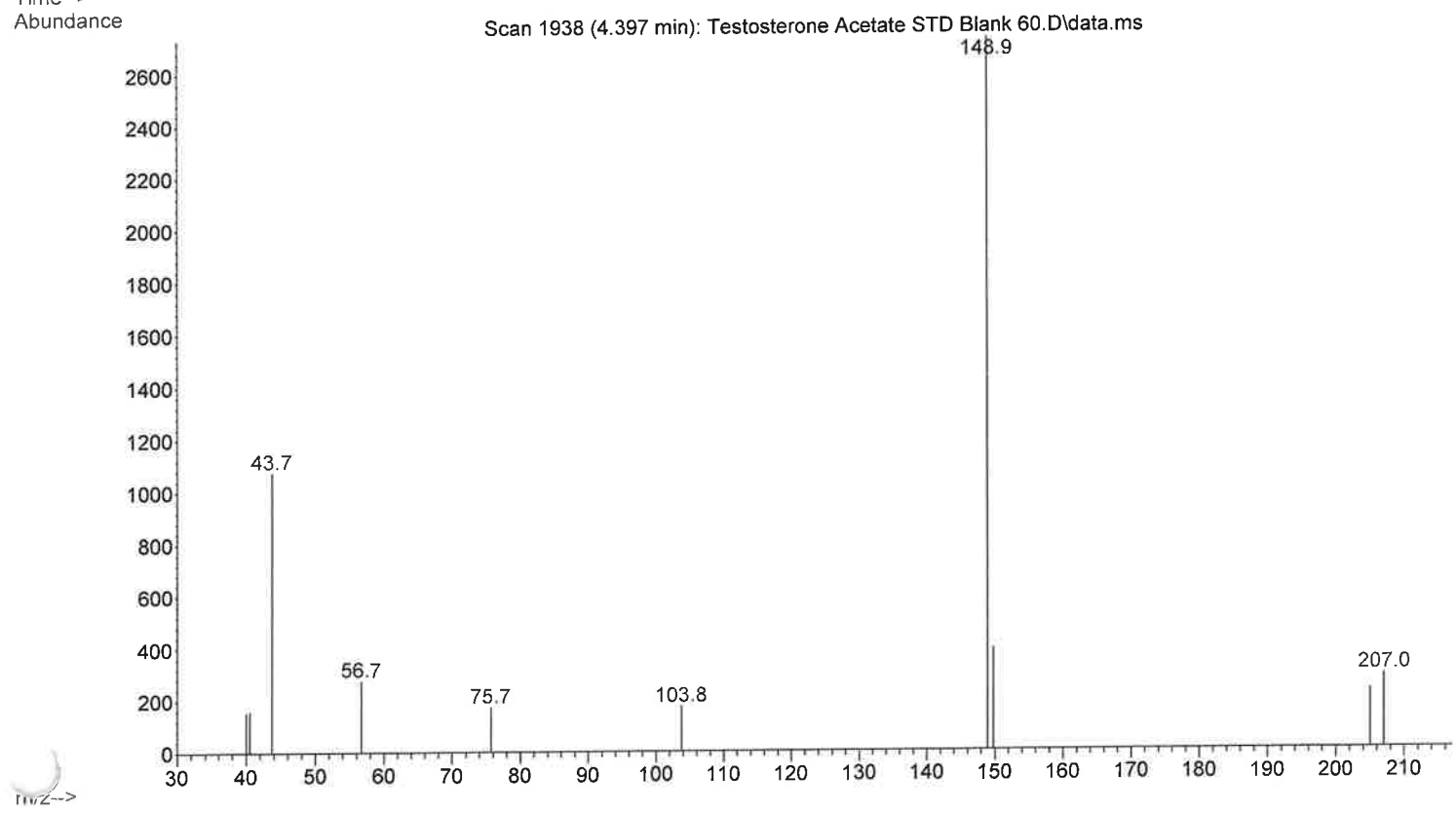
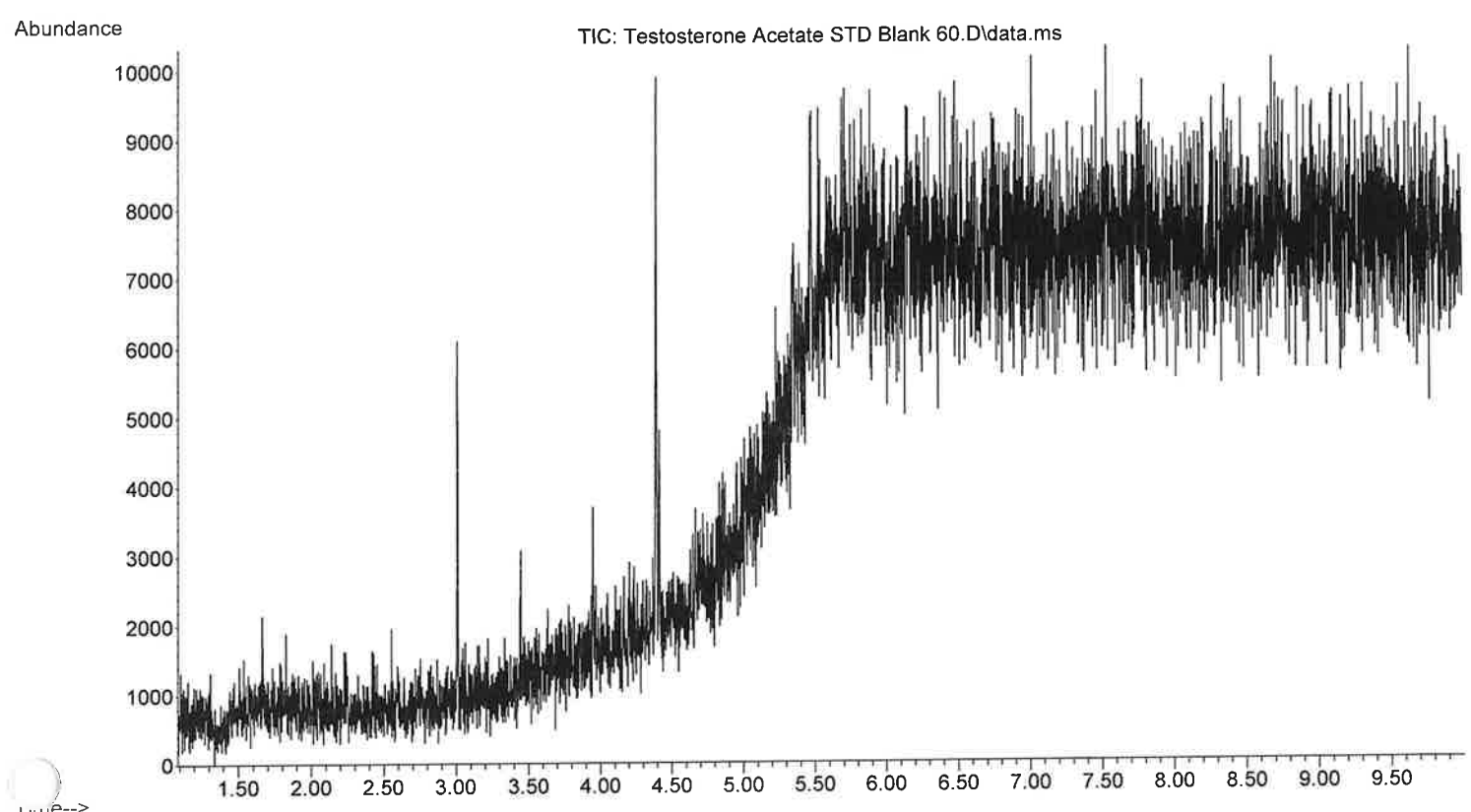
uk

File : X:\2023\IB\04-12-23\THPFF4 Mix 60.D
Operator :
Acquired : 12 Apr 2023 22:34 using AcqMethod ASMSDRUGS60.M
Instrument : Stringbean
Sample Name: THPFF4 Mix 60
Misc Info : MEOH, Exp.03-22-24
Vial Number: 7



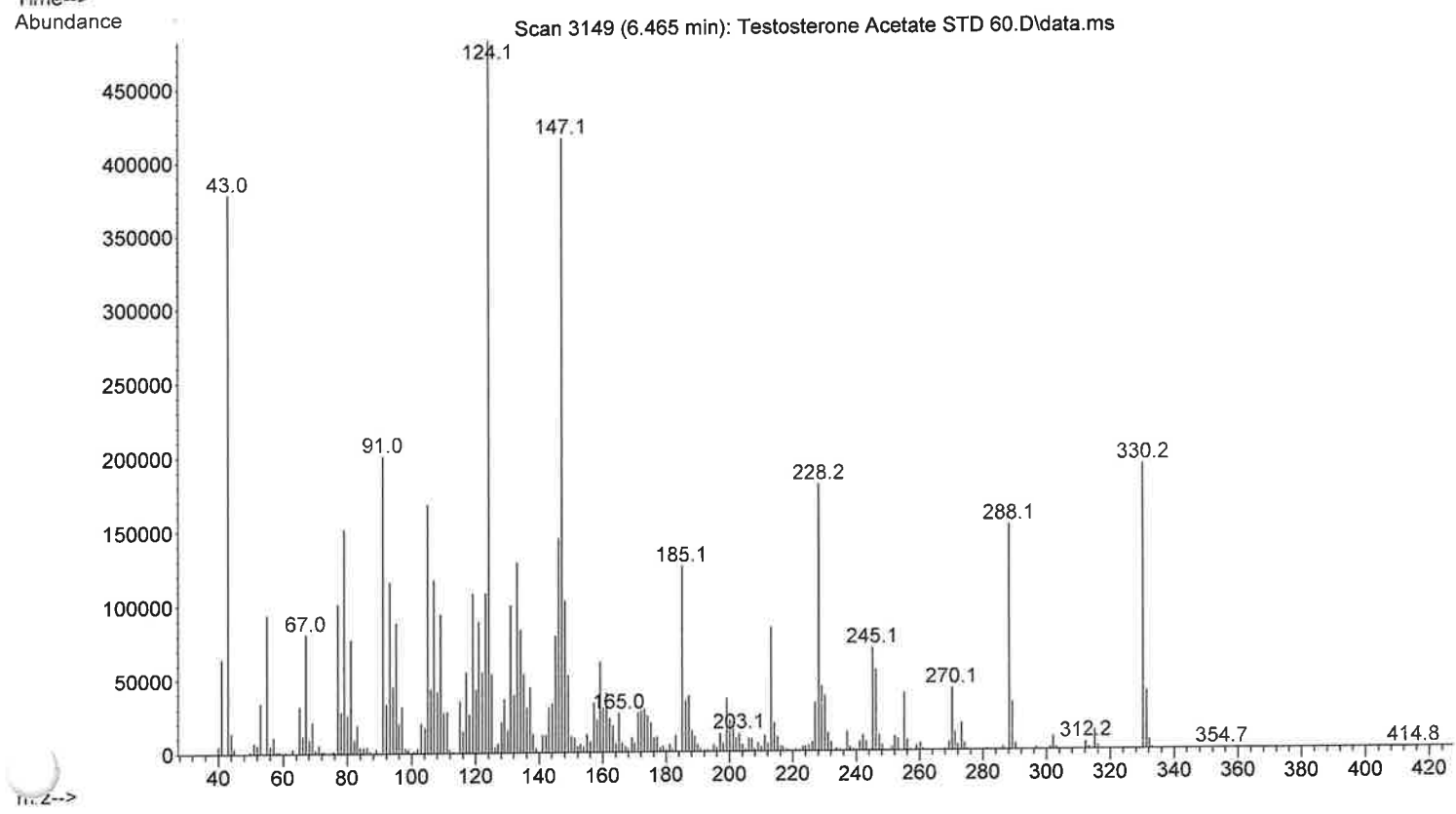
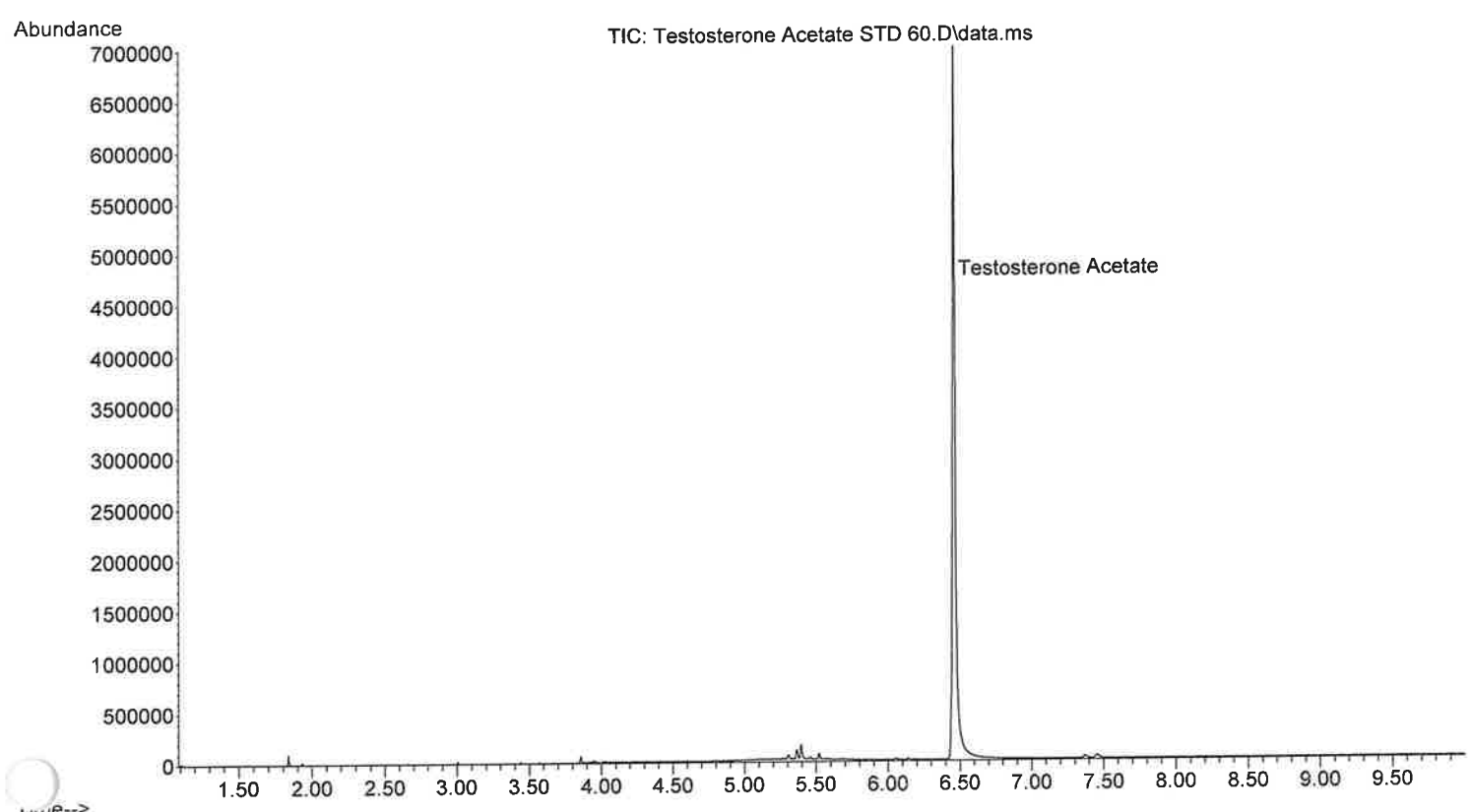
File :X:\2023\IB\04-12-23\Testosterone Acetate STD Blank 60.D
Operator :
Acquired : 12 Apr 2023 23:16 using AcqMethod ASMSDRUGS60.M
Instrument : Stringbean
Sample Name: Testosterone Acetate STD Blank 60
Misc Info : MEOH
Vial Number: 8

alb



Elk

File :X:\2023\IB\04-12-23\Testosterone Acetate STD 60.D
Operator :
Acquired : 12 Apr 2023 23:30 using AcqMethod ASMSDRUGS60.M
Instrument : Stringbean
Sample Name: Testosterone Acetate STD 60
Misc Info : MEOH, Sigma, Lot19F0299, Exp.02-06-24
Vial Number: 9



METHOD CONTROL PARAMETERS

Method Information for: D:\MassHunter\GCMS\1\methods\ASMSDRUGSTI.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:

This is an autosample MS 100-280 / 30 minute method.

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	D:\MassHunter\GCMS\1\methods\ASMSDRUGSTI.M
Tune file	ATUNE.U
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.0
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	6,250 [N=0]

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	40	550

Self-Cleaning Ion Source Parameters

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

D:\MassHunter\GCMS\1\methods\ASMSDRUGSTI.M
Tue Apr 04 09:05:32 2023

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 30.001 min
Post Run Time 0 min

Oven
Temperature
Setpoint On
(Initial) 100 °C
Hold Time 1 min
Post Run 50 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 26.43 min

Equilibration Time 0.25 min
M Temperature 350 °C
Minimum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 2
Solvent A Volume 4 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 2
Solvent B Volume 4 µL
Sample Washes 1
Sample Wash Volume 8 µL
Sample Pumps 4
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 1 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.5 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	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 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	
Helium Conservation Controlled Mode	Off
Heater	Split
Pressure	On 250 °C
Total Flow	On 8.5 psi
Septum Purge Flow	On 45.194 mL/min
Pre-Run Flow Test	On 3 mL/min
Gas Saver	Off
Split Ratio	On 20 mL/min after 3 min
Split Flow	50 :1
Liner	41.367 mL/min
	A Liner has not been selected.
Back SS Inlet He	
Helium Conservation Controlled Mode	Off
Heater	Split
Pressure	On 250 °C
Total Flow	On 8.5 psi
Septum Purge Flow	On 141.9 mL/min
Pre-Run Flow Test	On 3 mL/min
Gas Saver	Off
Split Ratio	Off
Split Flow	50 :1
Liner	136.18 mL/min
	A Liner has not been selected.
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	0.82733 mL/min
Post Run	1 mL/min

Column Information	Agilent 19091S-602
Description	HP-1MS
Temperature Range	-60 °C-325 °C (350 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm (Calibrated)
Heater	Oven
Column lock	Unlocked
Inlet	Front SS Inlet He
Out	MSD
(Initial)	100 °C
Pressure	8.5 psi
Flow	0.82733 mL/min
Average Velocity	52.55 cm/sec
Holdup Time	0.39644 min
Control Mode	Constant Flow

Column #2	
Pressure	
Setpoint	On
(Initial)	8.5 psi
Post Run	2.8778 psi

Column Information	Agilent 19091S-913
Temperature Range	-60 °C-325 °C (350 °C)
Dimensions	15 m x 320 µm x 0.25 µm (Calibrated)
Heater	Oven
Column lock	Unlocked
Inlet	Back SS Inlet He
Out	Back Detector FID
(Initial)	100 °C
Pressure	8.5 psi
Flow	2.7236 mL/min
Average Velocity	54.059 cm/sec
Holdup Time	0.46246 min
Control Mode	Constant Pressure

Column Outlet Pressure	0 psi
Back Detector FID	
Makeup	He
Heater	On 300 °C
H2 Flow	Off
Air Flow	Off
Makeup Flow	Off
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	Off
Blank Evaluation Setpoints	
Perform Blank Evaluation Test	Off

Helium Conservation	
Helium Valve	Off
Nitrogen Valve	Off

Detector Evaluation	
Perform Detector Evaluation Test	Off

MSD Transfer Line	
Temperature	
Setpoint	On
(Initial)	280 °C

Signals
Signal #1:

Description	None
Signal #2: Description	None
Signal #3: Description	None
Signal #4: Description	None
Signal #5: Description	None
Signal #6: Description	None
Signal #7: Description	None
Signal #8: Description	None

TUNE PARAMETERS for SN: US2246MS10

Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
29.720	:	REPELLER	
90.331	:	IONFOCUS	
20.181	:	ENTRANCE_LENS	
883.721	:	EMVOLTS	
		913.2	: Actual EMV
		1.00	: GAIN FACTOR
3335.000	:	AMUGAIN	
132.750	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
13.233	:	ENTLENSOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
421.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

DATA ANALYSIS PARAMETERS

Method Name: D:\MassHunter\GCMS\1\methods\ASMSDRUGSTI.M

Percent Report Settings

Sort By: Signal

Output Destination

Screen: No
Printer: Yes
File: No

Integration Events: AutoIntegrate

Generate Report During Run Method: No

Signal Correlation Window: 0.020

Qualitative Report Settings

Peak Location of Unknown: Apex

Library to Search Minimum Quality

Q:\Instrument Libraries\Current\TBI_DRUG.L 0

Q:\Instrument Libraries\Current\SWGDRUG 3.12.L 0

Q:\Instrument Libraries\Current\CaymanSpectralLibrary.L

Integration Events: AutoIntegrate

Report Type: Summary

Output Destination

Screen: No
Printer: Yes
File: No

Generate Report During Run Method: No

Quantitative Report Settings

Report Type: Summary

Output Destination

Screen: Yes

Printer: No

File: No

Generate Report During Run Method: No

Calibration Last Updated:

Reference Window: 10.00 Percent

Non-Reference Window: 5.00 Percent

Correlation Window: 0.02 minutes

Default Multiplier: 1.00

Default Sample Concentration: 0.00

Compound Information

*** Empty Quantitation Database ***

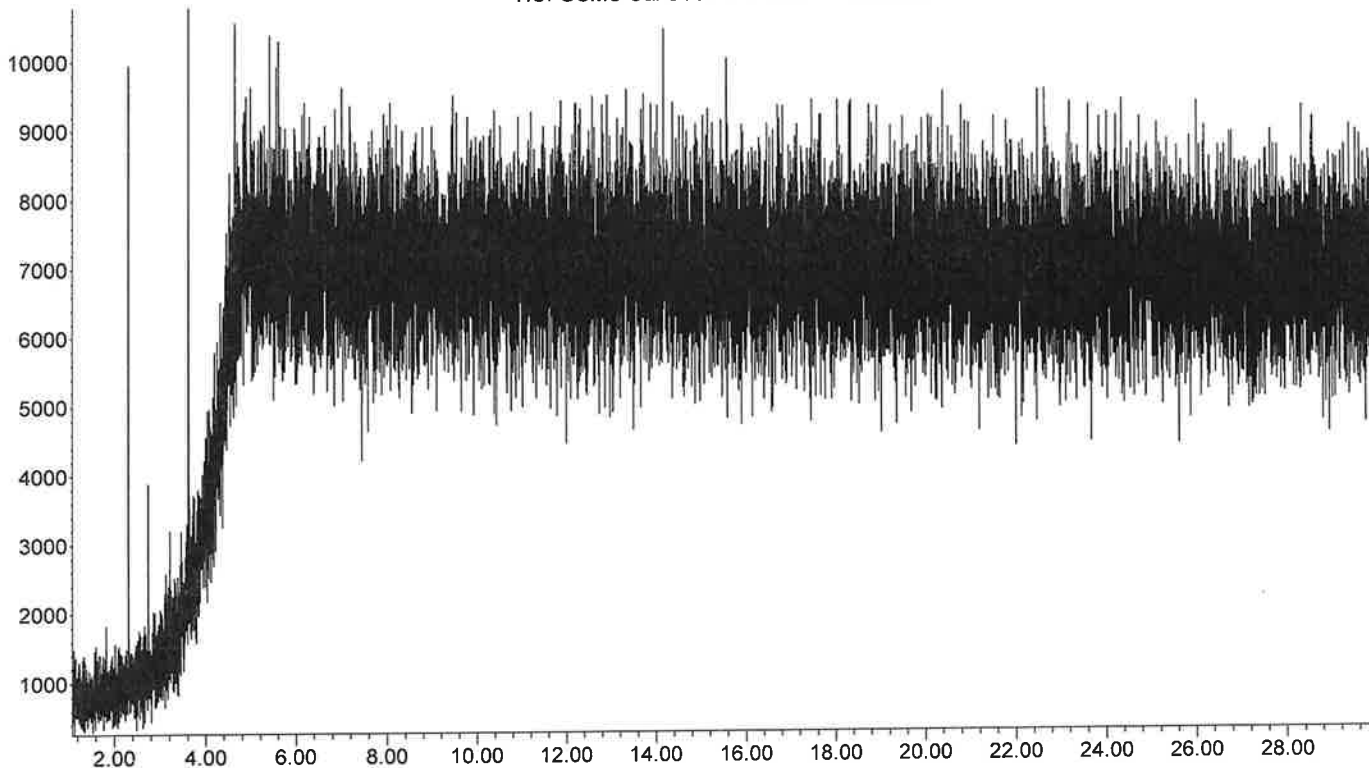
END OF DATA ANALYSIS PARAMETERS

Tue Apr 04 09:05:33 2023

File :X:\2023\IB\04-12-23\GCMS Cal STD Mix Blank TI.D
Operator :
Acquired : 13 Apr 2023 00:31 using AcqMethod ASMSDRUGSTI.M
Instrument : Stringbean
Sample Name: GCMS Cal STD Mix Blank TI
Misc Info : MEOH
Vial Number: 2

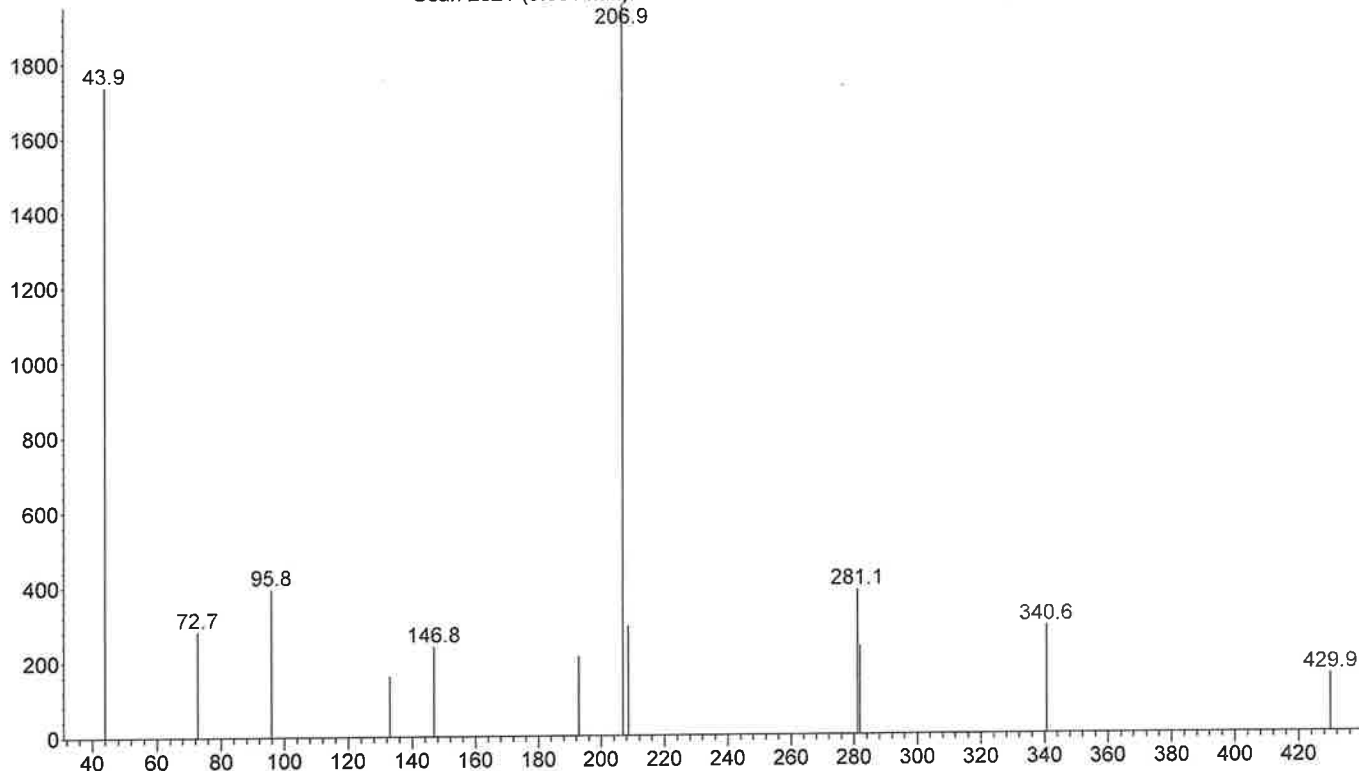
Abundance

TIC: GCMS Cal STD Mix Blank TI.D\data.ms



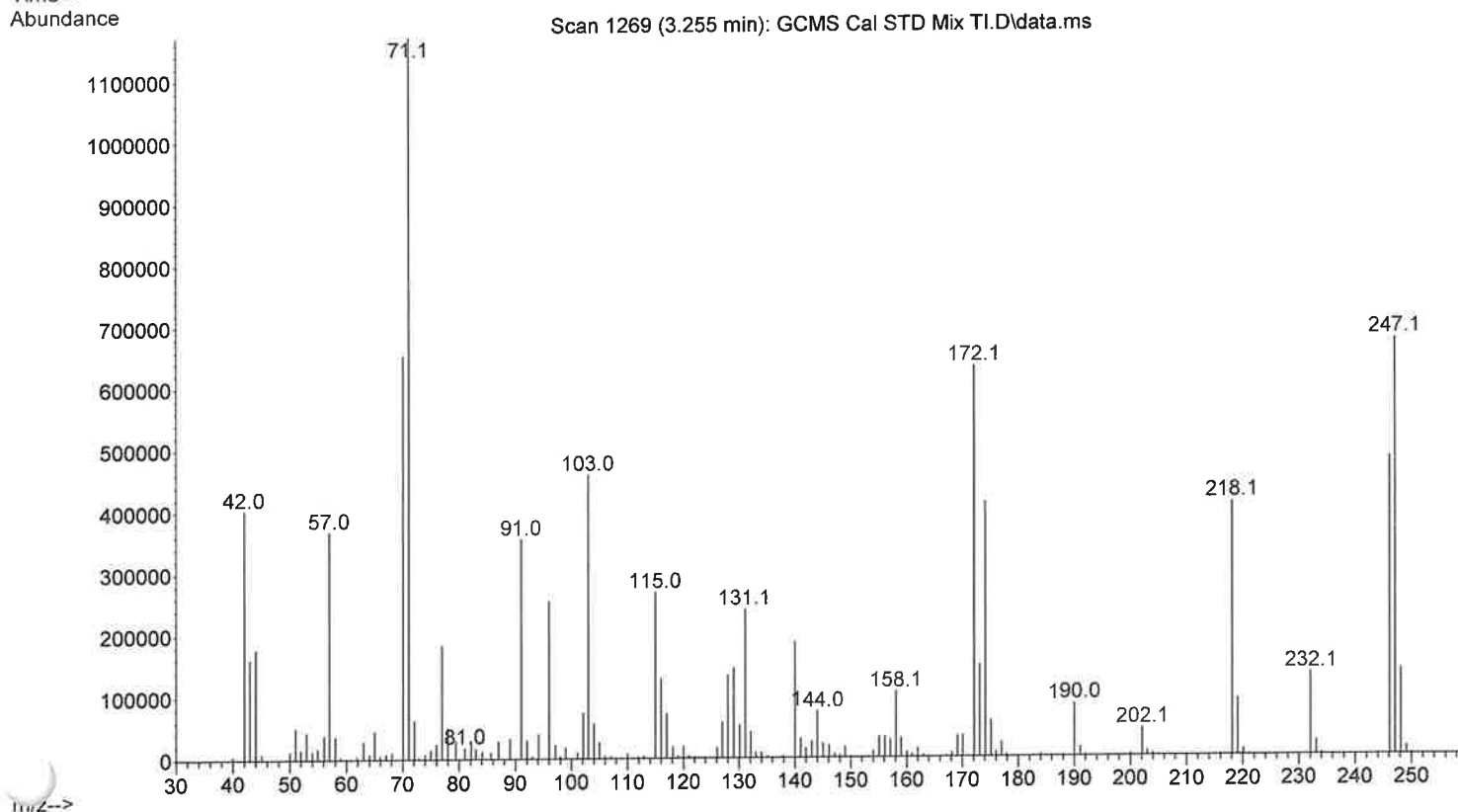
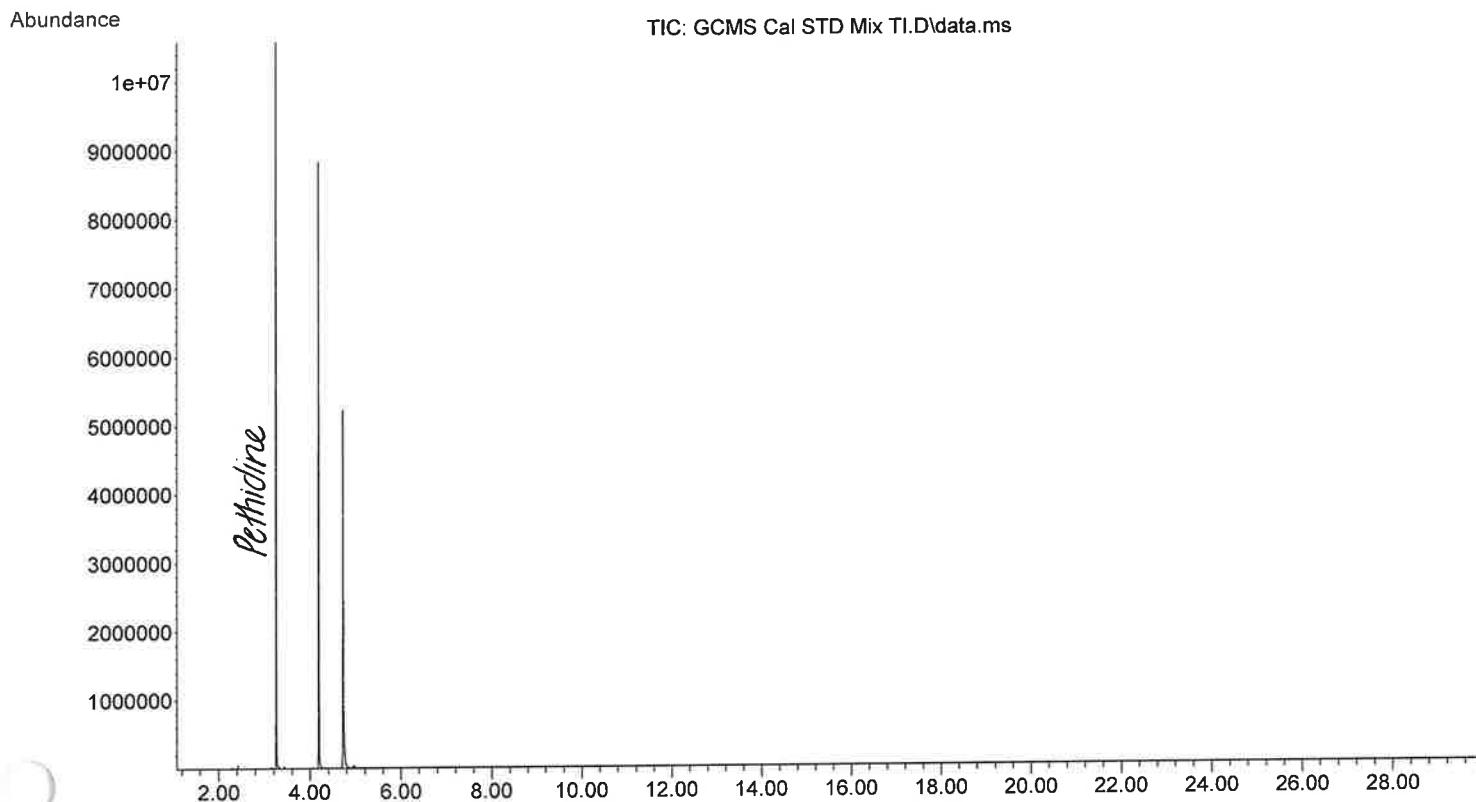
Abundance

Scan 2321 (5.051 min): GCMS Cal STD Mix Blank TI.D\data.ms



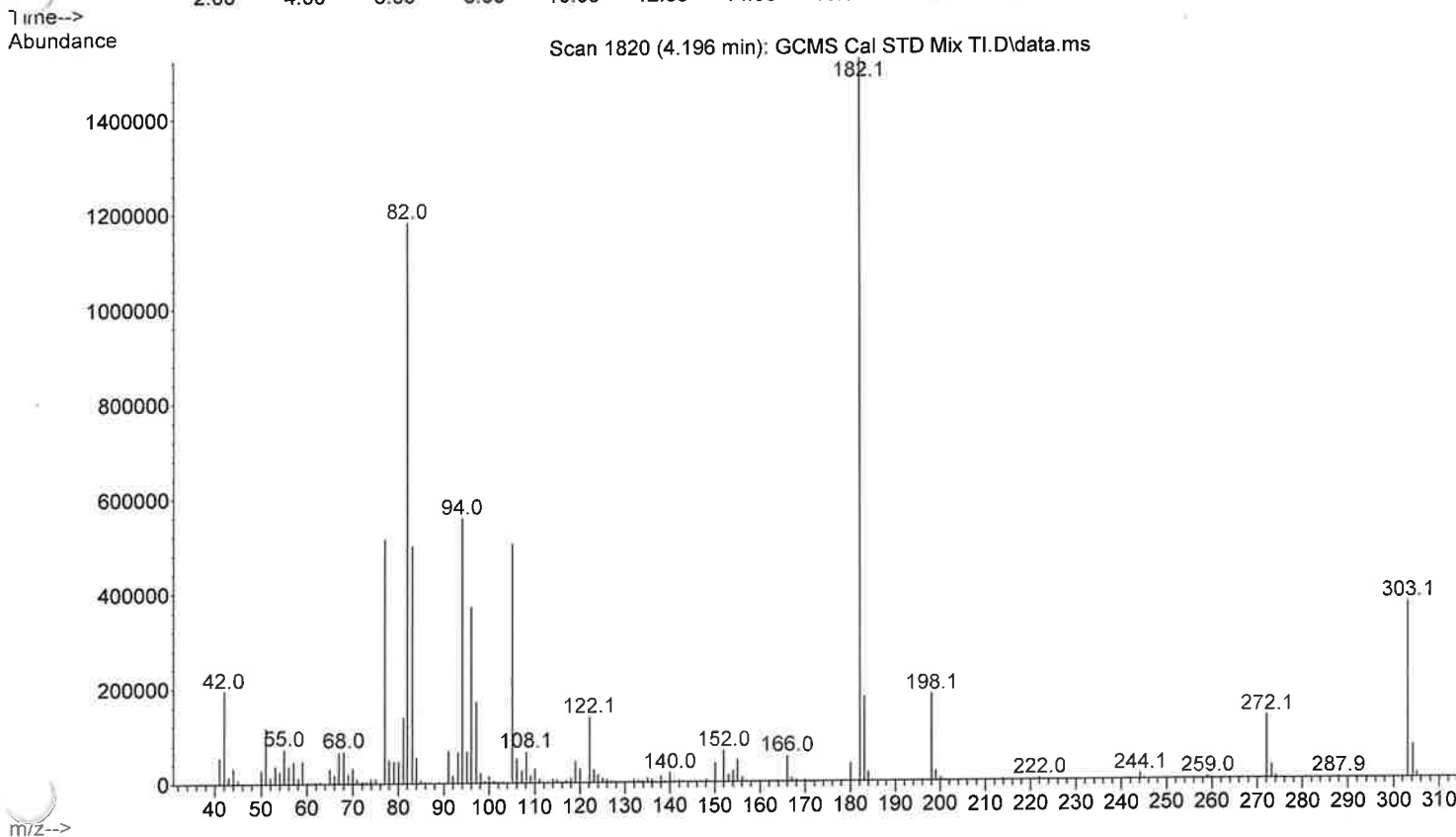
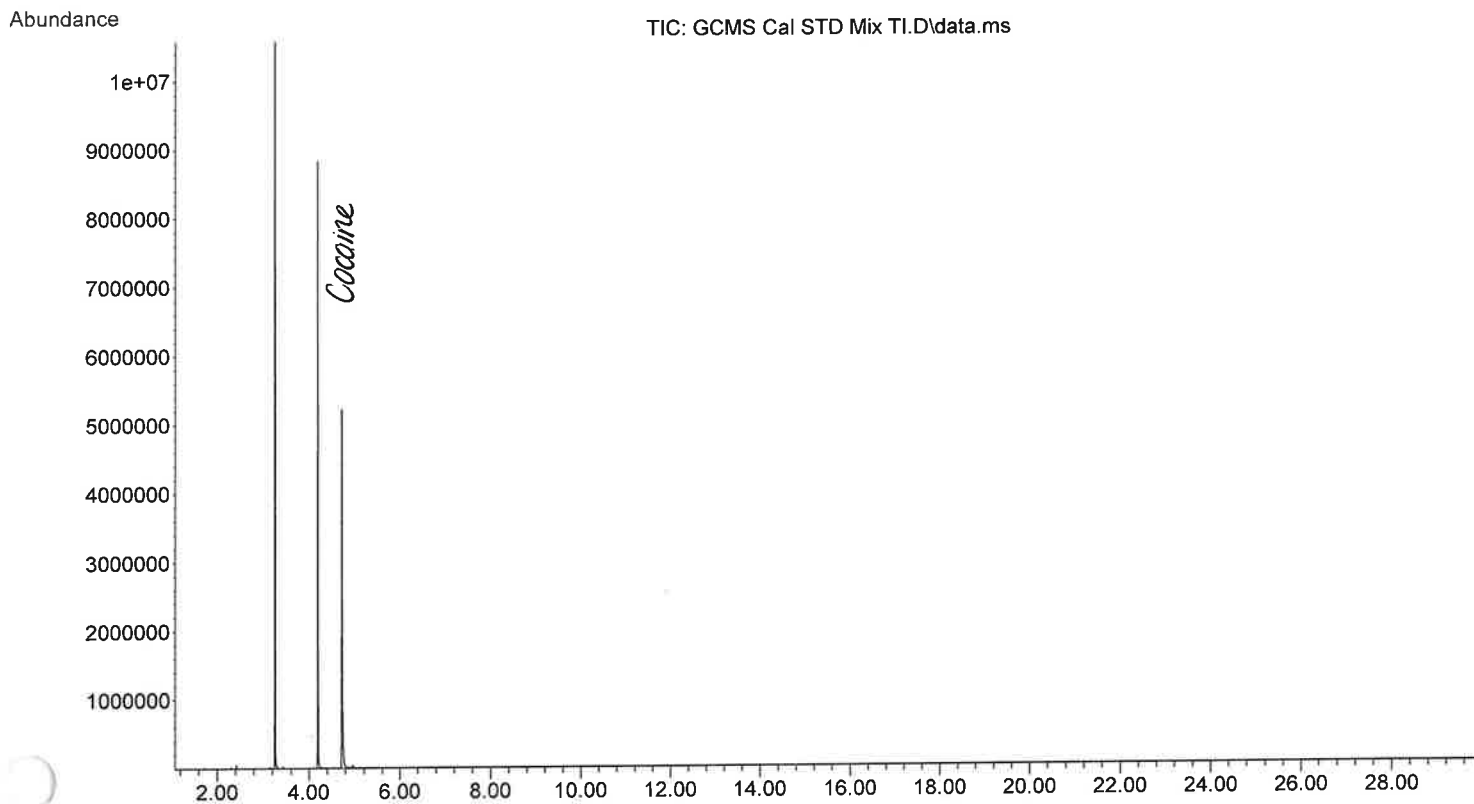
File :X:\2023\IB\04-12-23\GCMS Cal STD Mix TI.D
Operator :
Acquired : 13 Apr 2023 01:03 using AcqMethod ASMSDRUGSTI.M
Instrument : Stringbean
Sample Name: GCMS Cal STD Mix TI
Misc Info : MEOH, Exp.03-20-24
Vi. umber: 3

06



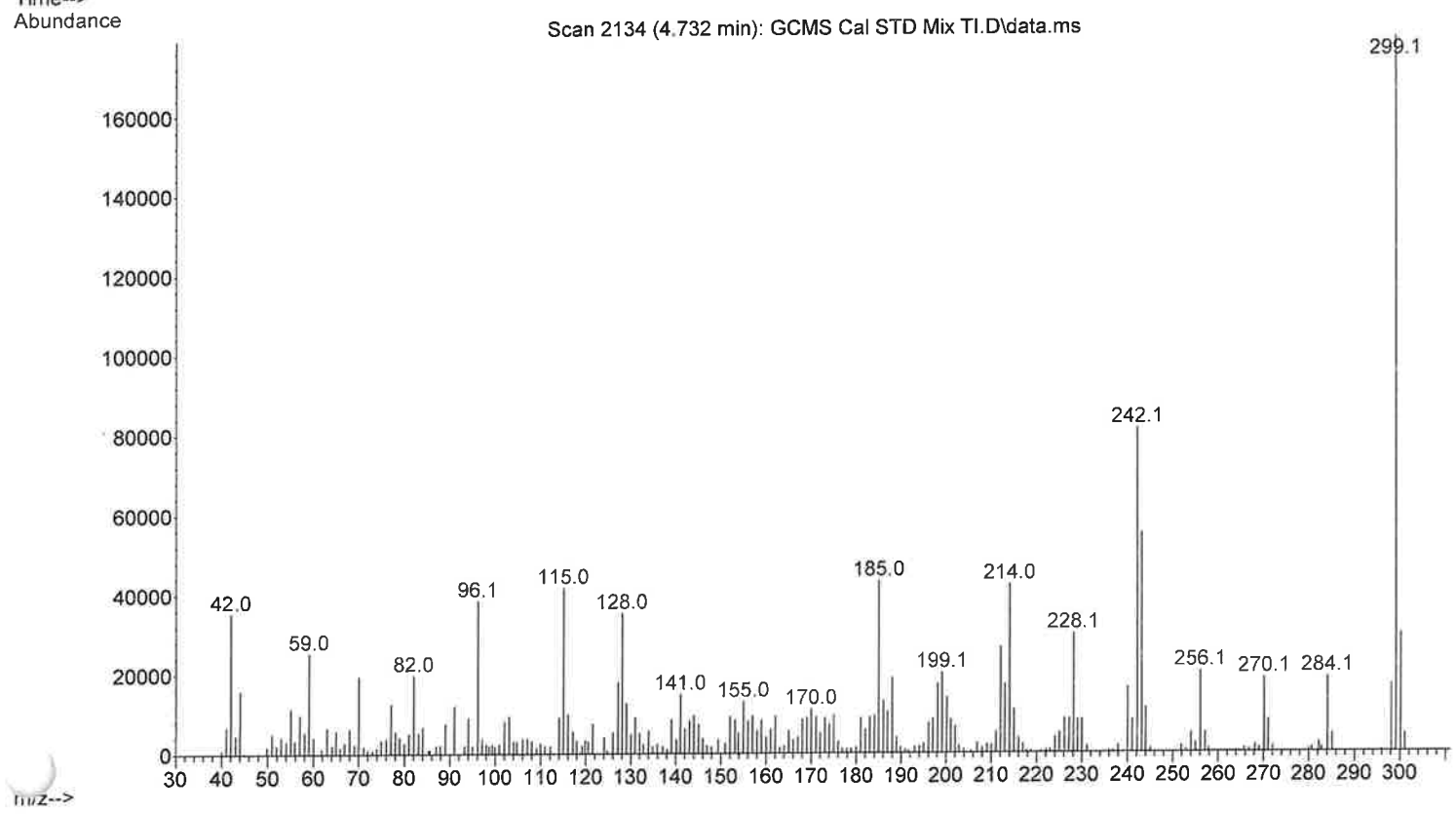
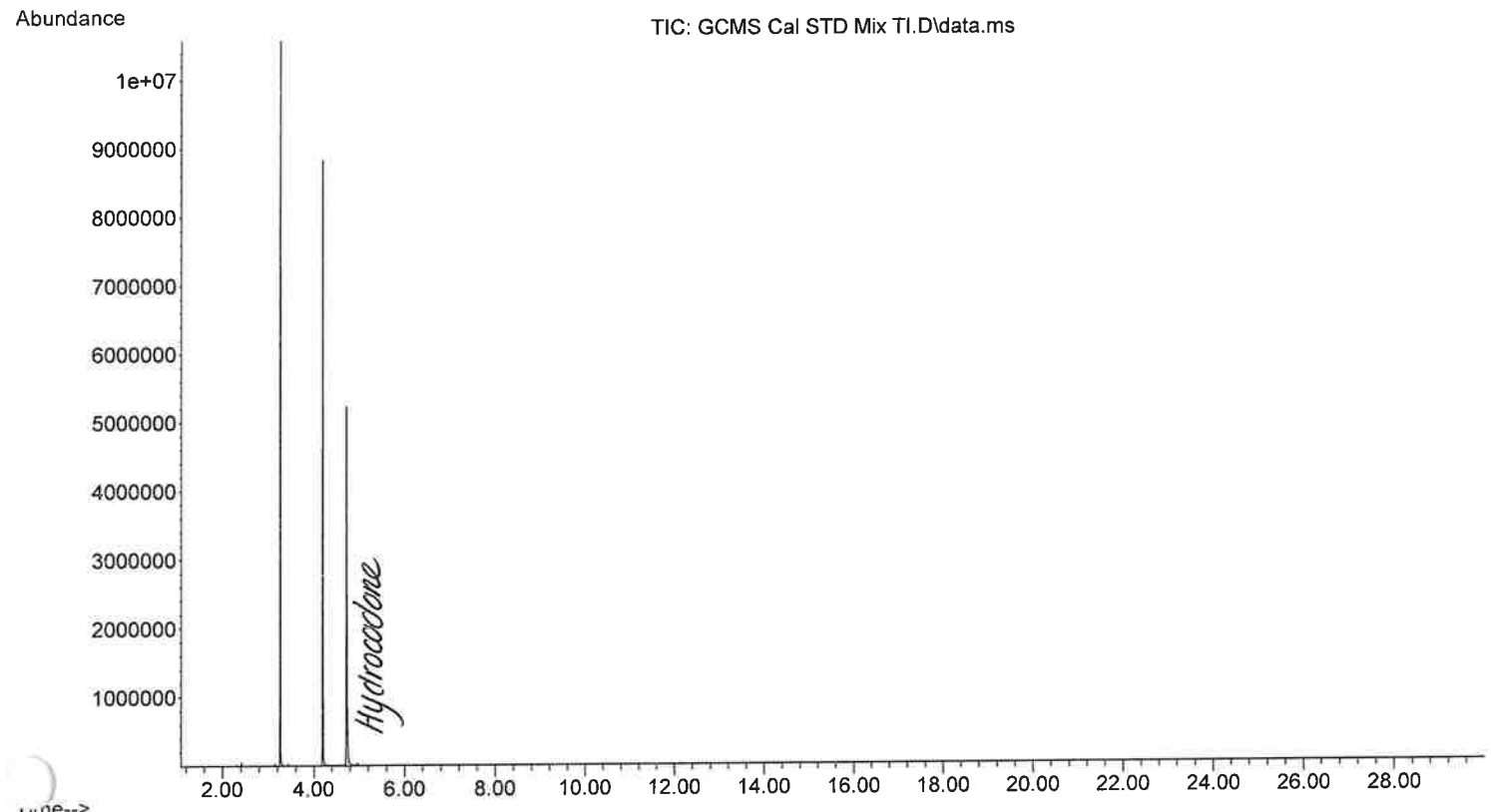
905

File :X:\2023\IB\04-12-23\GCMS Cal STD Mix TI.D
Operator :
Acquired : 13 Apr 2023 01:03 using AcqMethod ASMSDRUGSTI.M
Instrument : Stringbean
Sample Name: GCMS Cal STD Mix TI
Misc Info : MEOH, Exp.03-20-24
Vial Number: 3



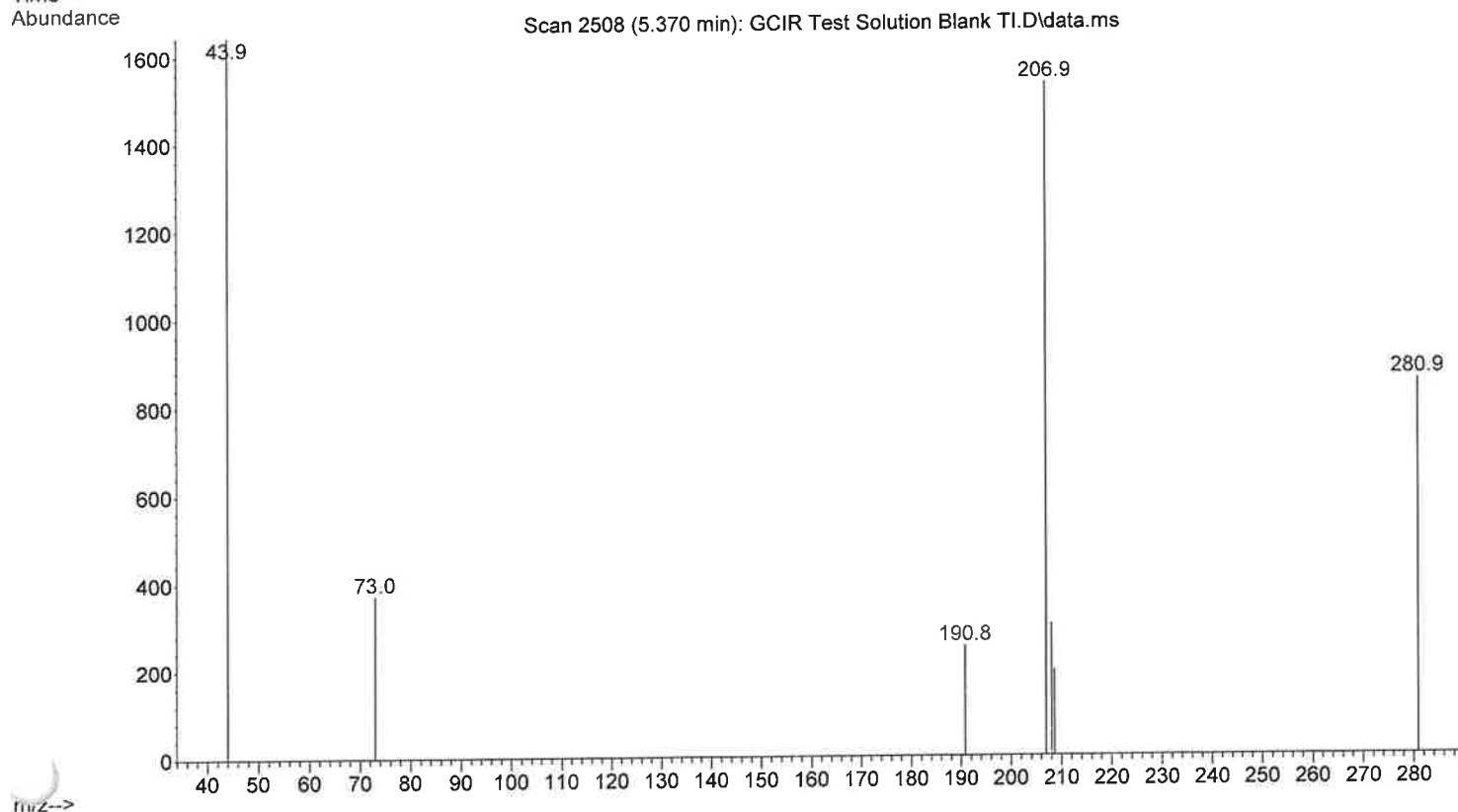
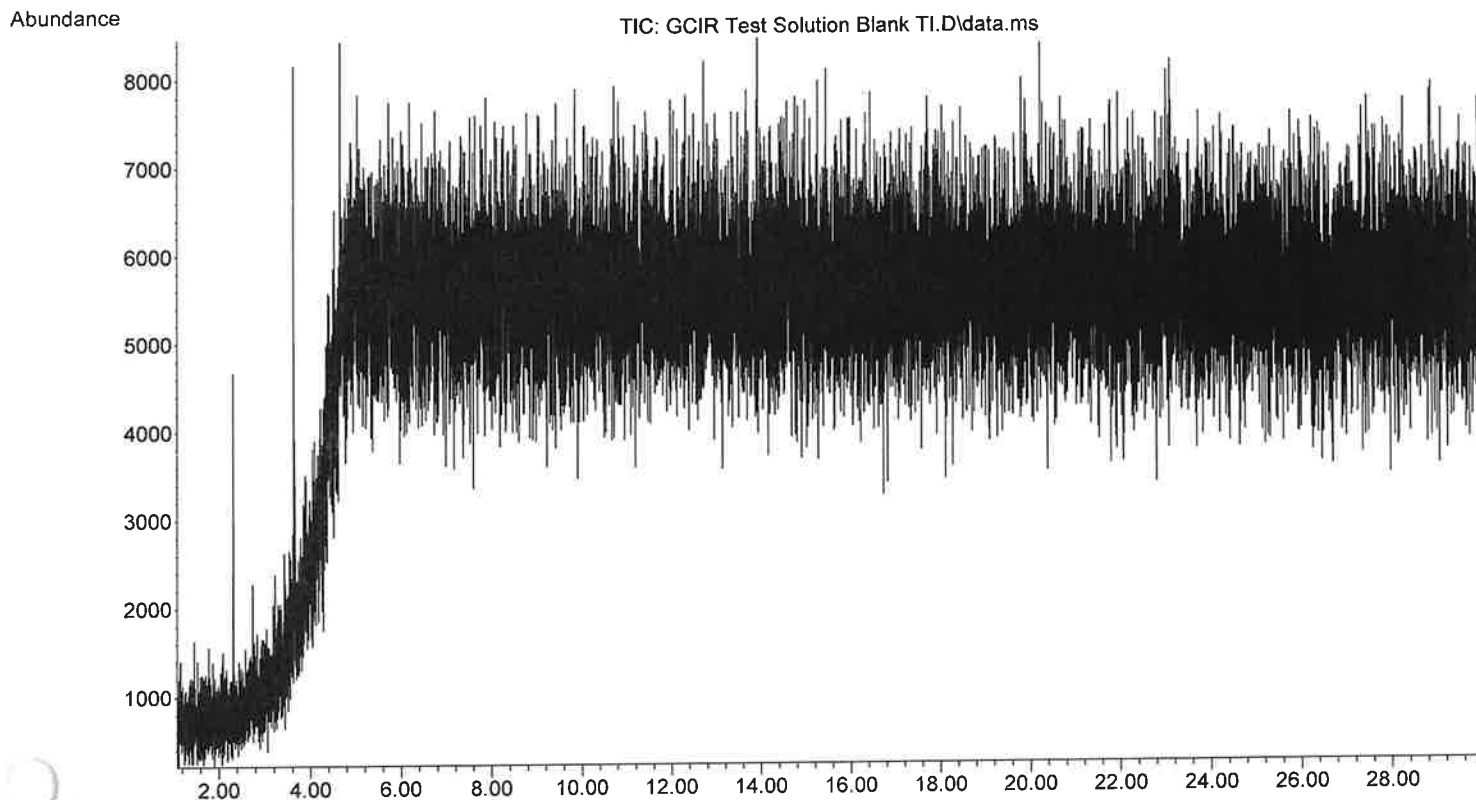
all

File :X:\2023\IB\04-12-23\GCMS Cal STD Mix TI.D
Operator :
Acquired : 13 Apr 2023 01:03 using AcqMethod ASMSDRUGSTI.M
Instrument : Stringbean
Sample Name: GCMS Cal STD Mix TI
Misc Info : MEOH, Exp.03-20-24
Vial Number: 3



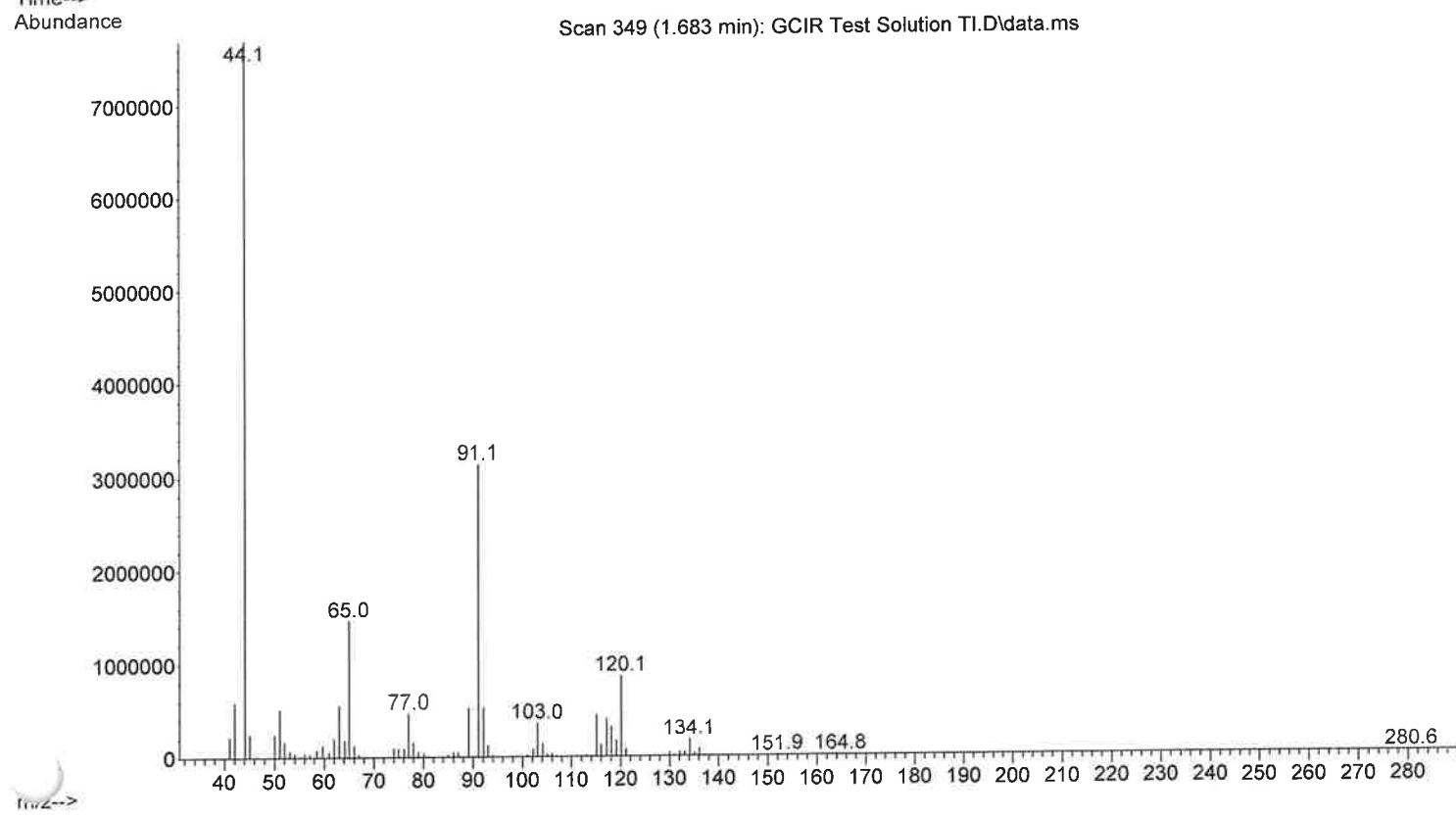
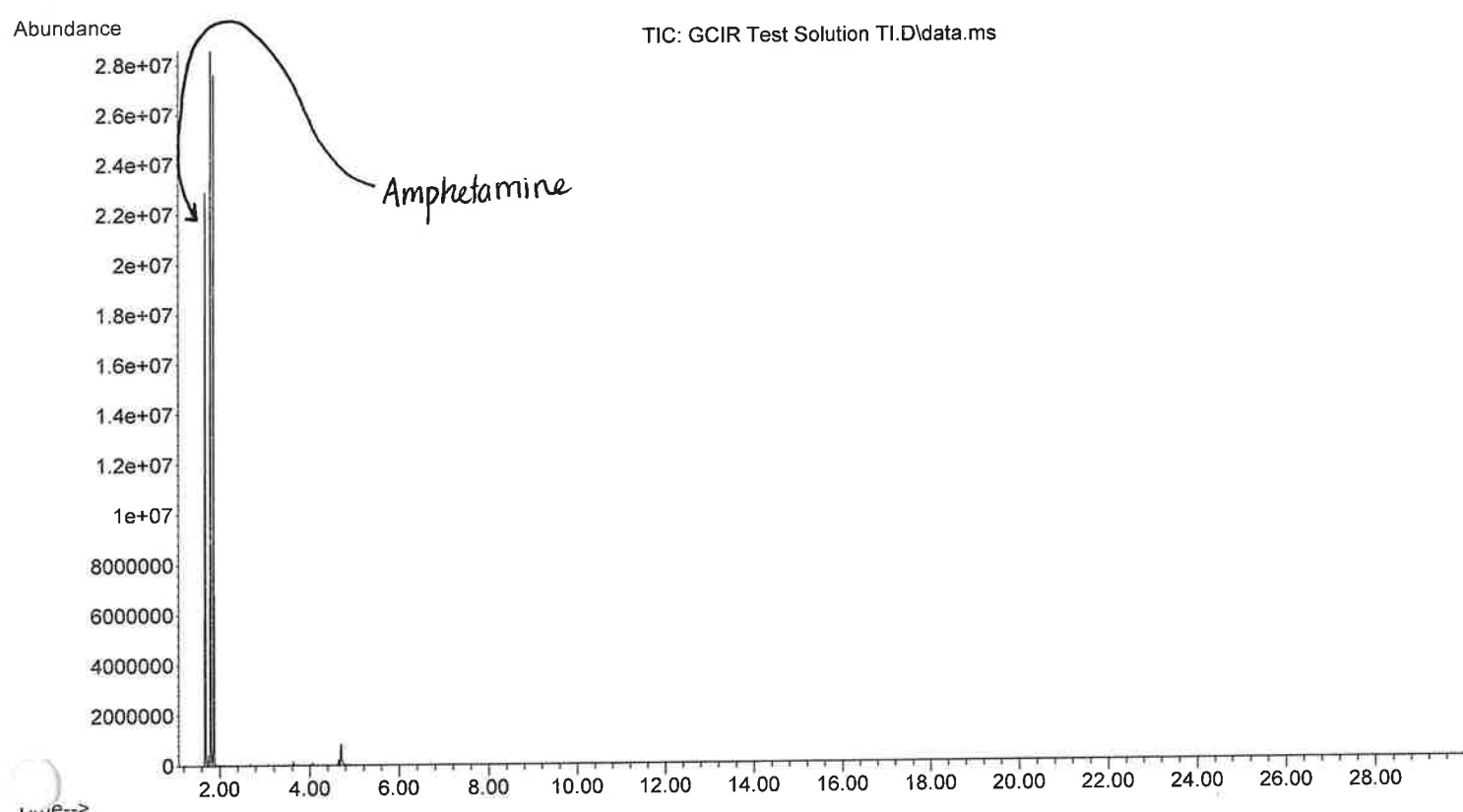
File :X:\2023\IB\04-12-23\GCIR Test Solution Blank TI.D
Operator :
Acquired : 13 Apr 2023 02:43 using AcqMethod ASMSDRUGSTI.M
Instrument : Stringbean
Sample Name: GCIR Test Solution Blank TI
Misc Info : MEOH
Vial Number: 4

202



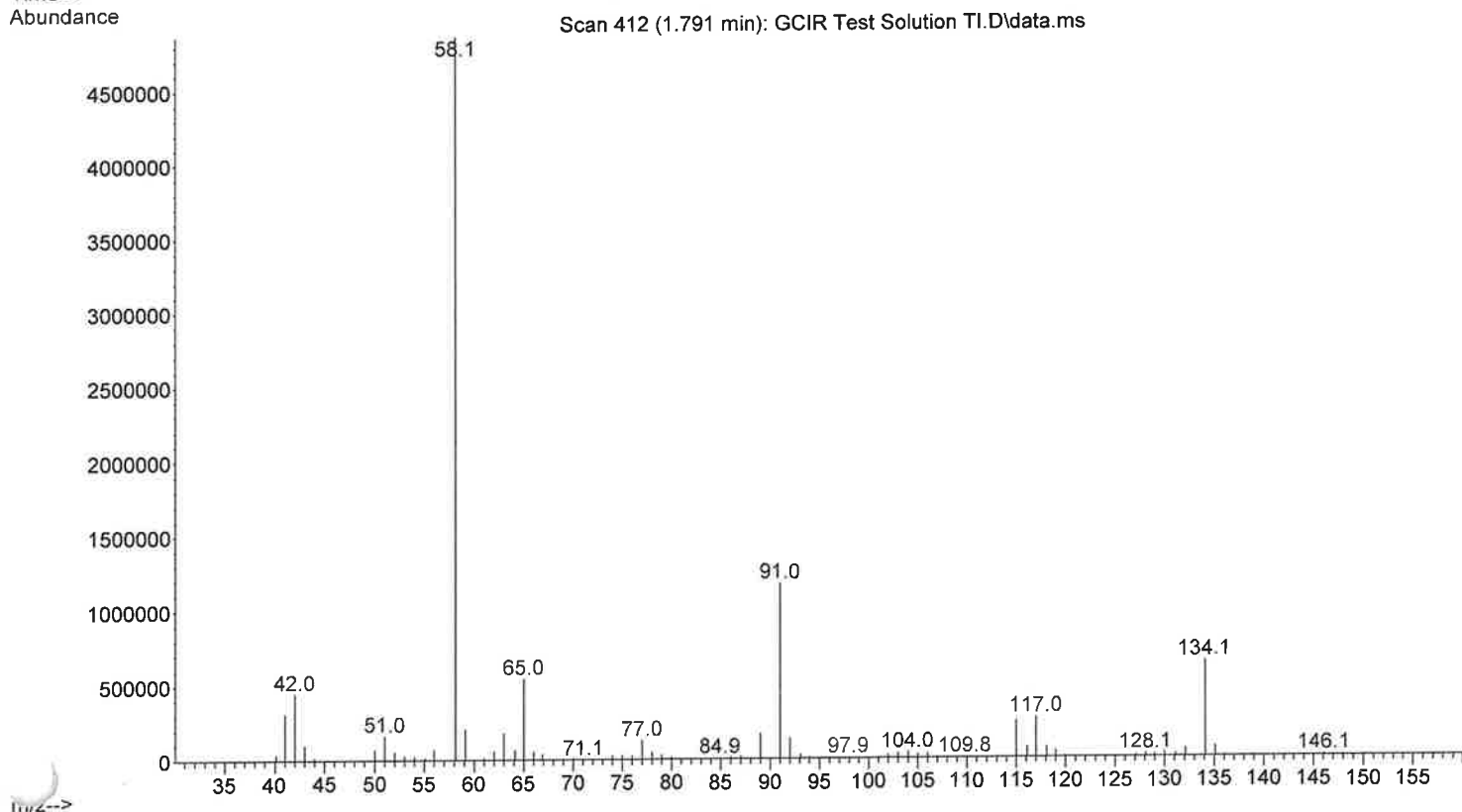
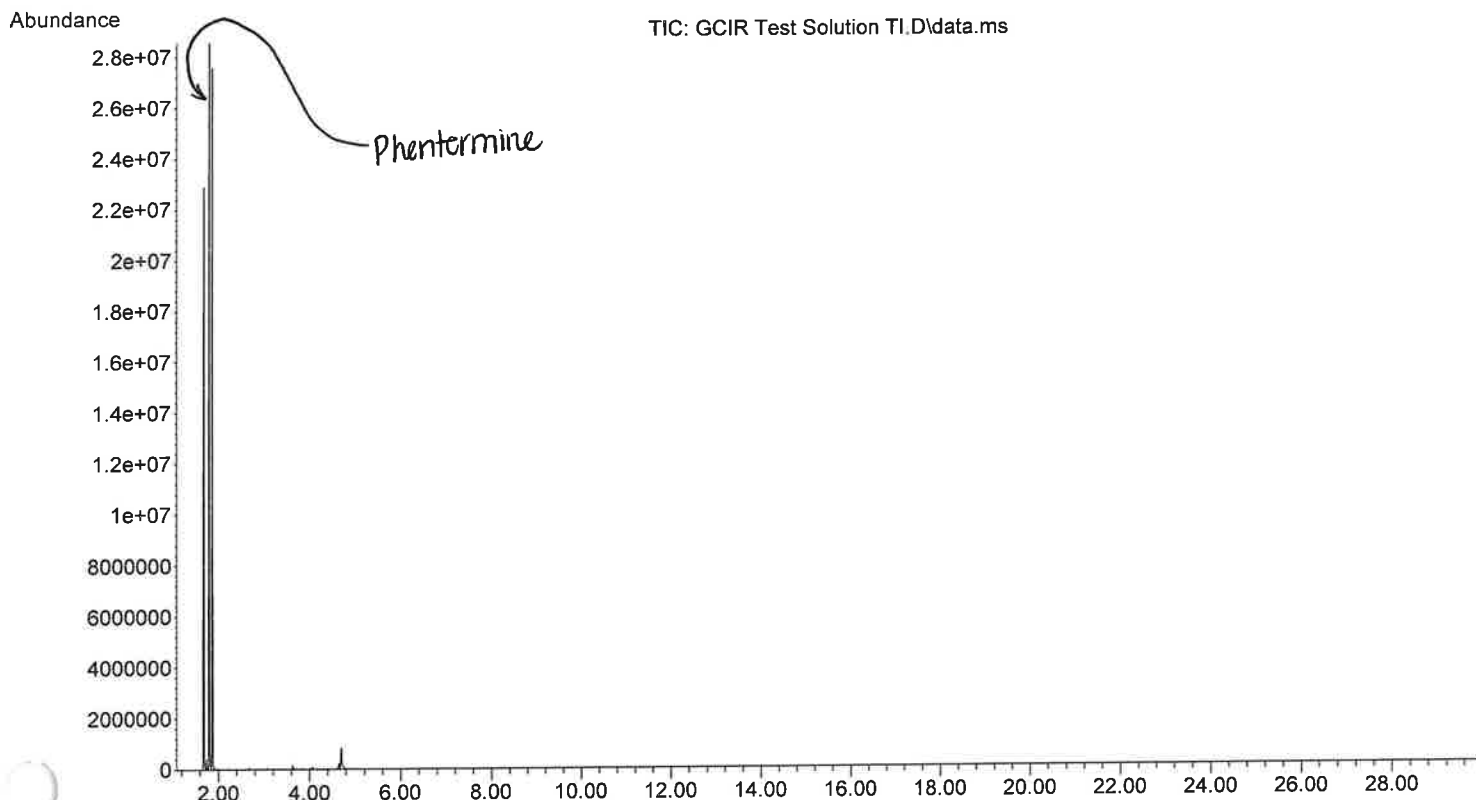
File :X:\2023\IB\04-12-23\GCIR Test Solution TI.D
Operator :
Acquired : 13 Apr 2023 03:15 using AcqMethod ASMSDRUGSTI.M
Instrument : Stringbean
Sample Name: GCIR Test Solution TI
Misc Info : 0.5N NaOH/CHCL3, Exp.02-23-24
Vial Number: 5

dk



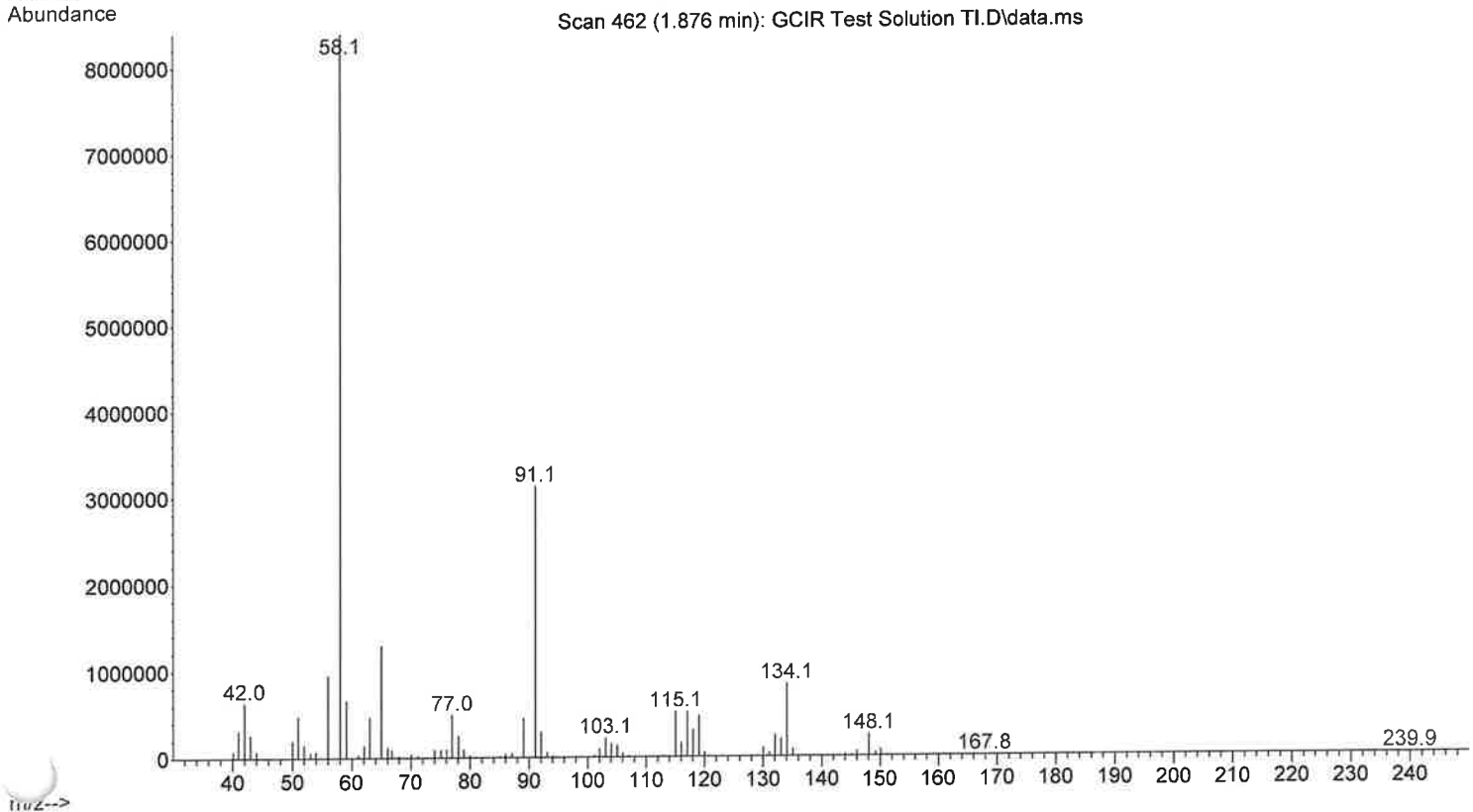
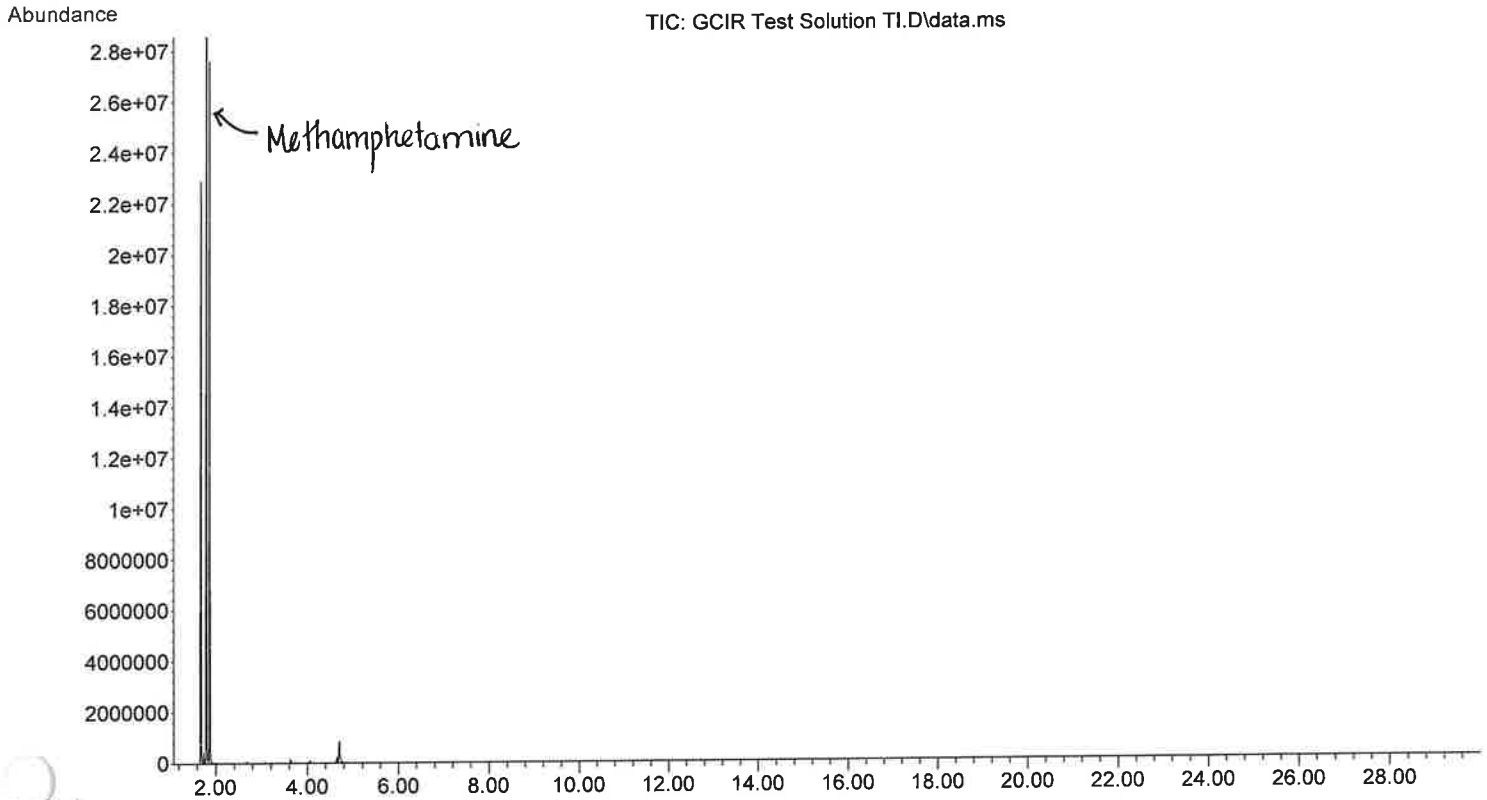
96

File :X:\2023\IB\04-12-23\GCIR Test Solution TI.D
Operator :
Acquired : 13 Apr 2023 03:15 using AcqMethod ASMSDRUGSTI.M
Instrument : Stringbean
Sample Name: GCIR Test Solution TI
Misc Info : 0.5N NaOH/CHCL3, Exp.02-23-24
Vial Number: 5



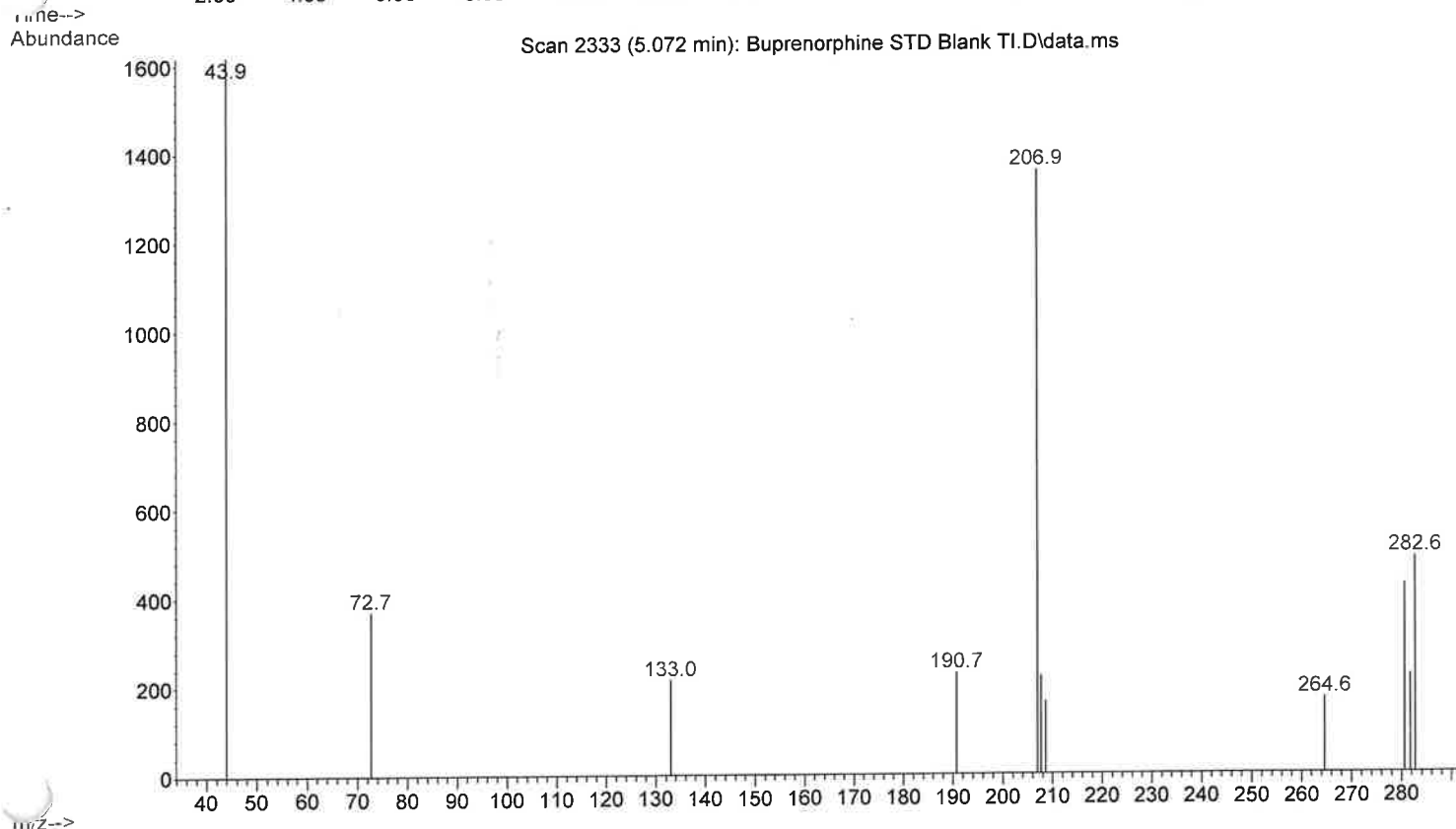
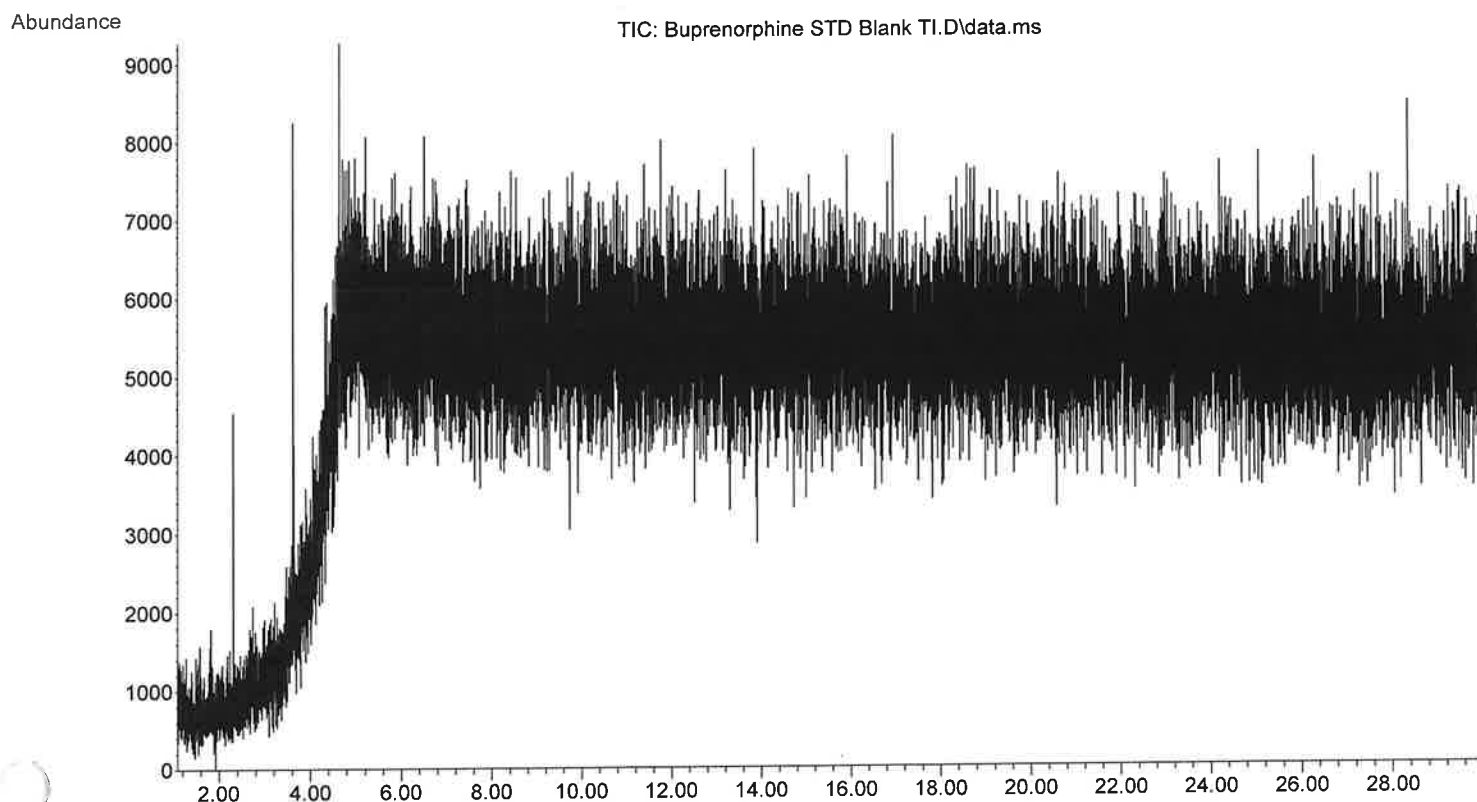
File :X:\2023\IB\04-12-23\GCIR Test Solution TI.D
Operator :
Acquired : 13 Apr 2023 03:15 using AcqMethod ASMSDRUGSTI.M
Instrument : Stringbean
Sample Name: GCIR Test Solution TI
Misc Info : 0.5N NaOH/CHCL3, Exp.02-23-24
Vial Number: 5

llk



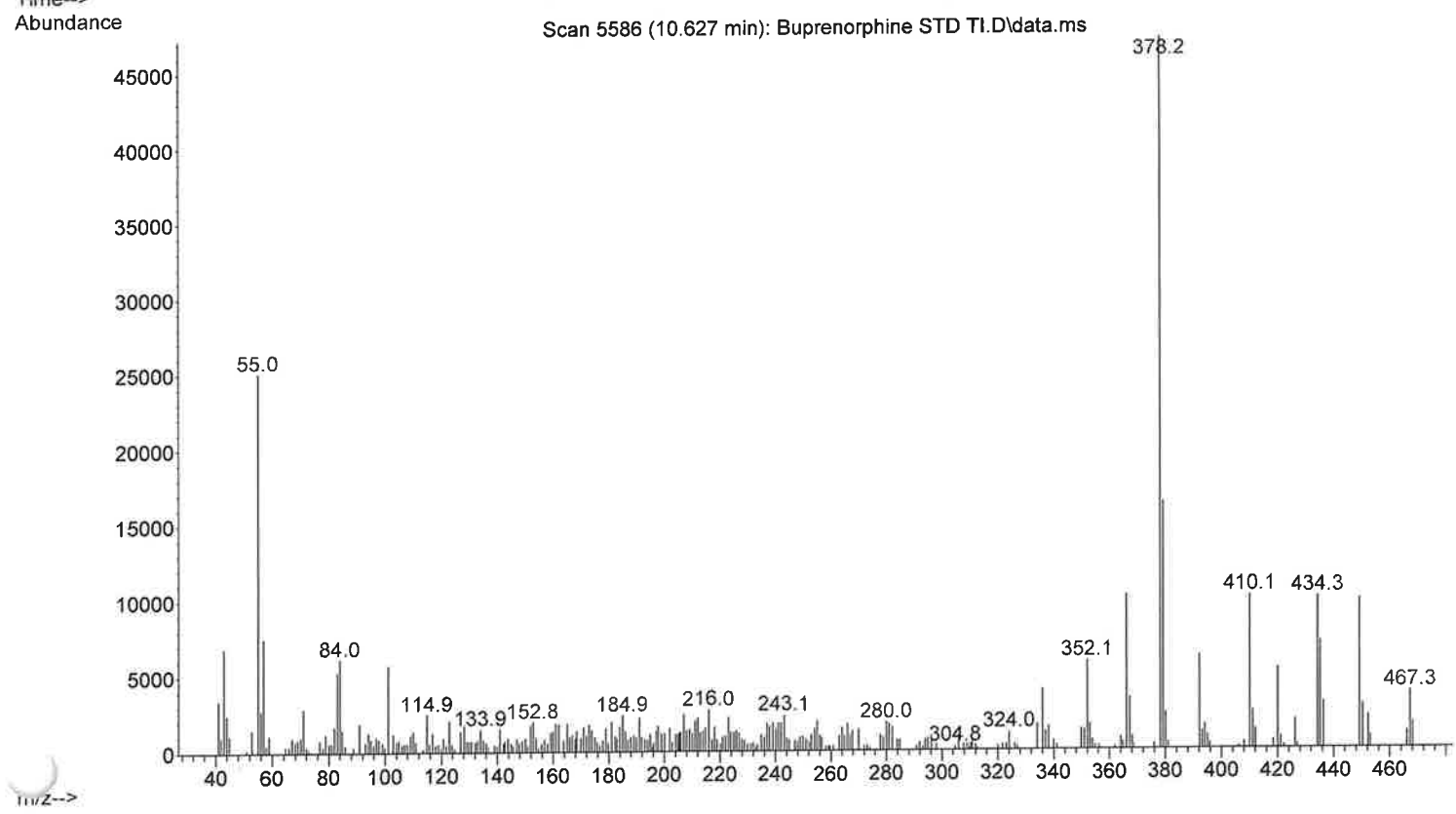
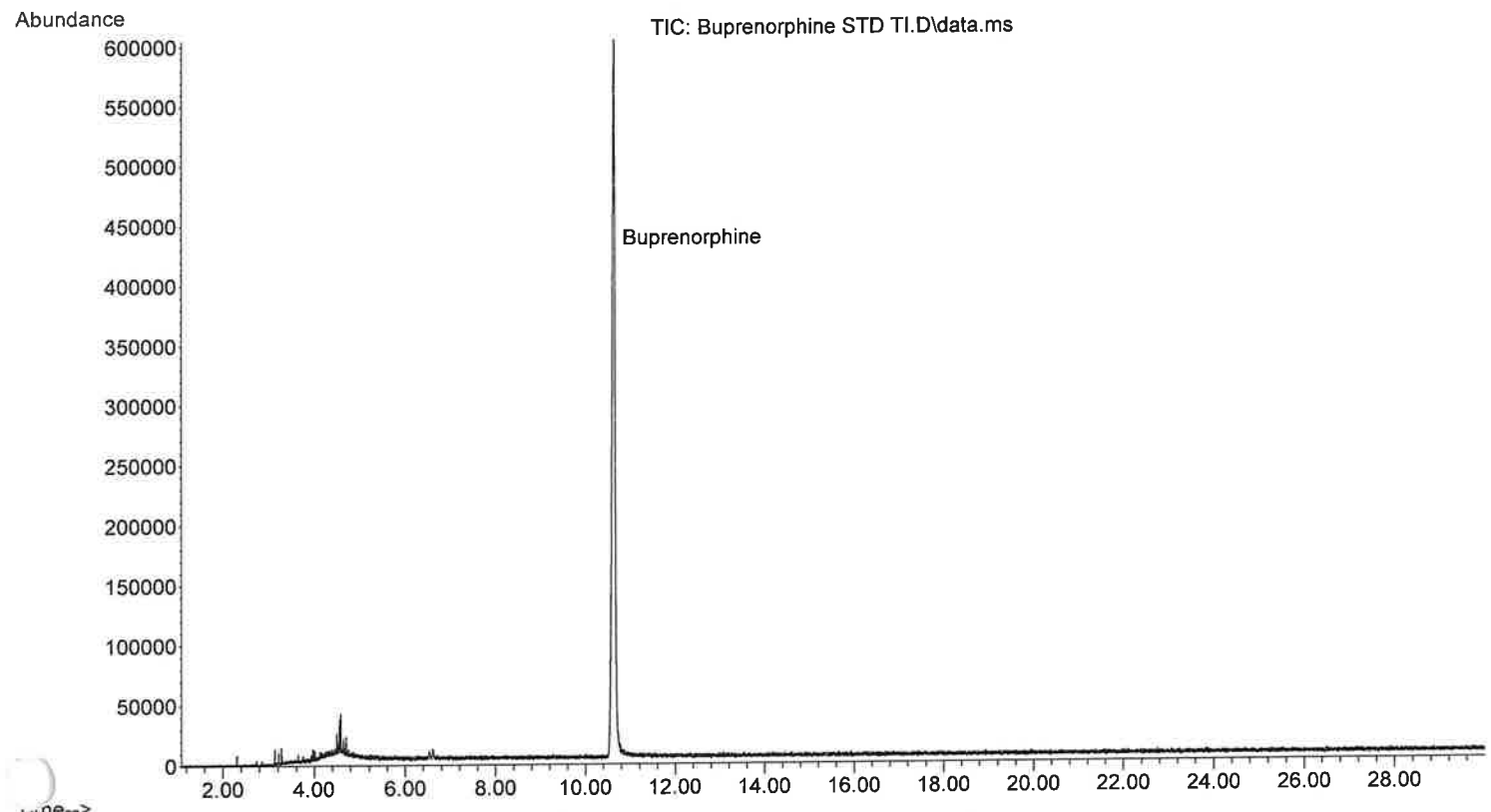
Ch

File :X:\2023\IB\04-12-23\Buprenorphine STD Blank TI.D
Operator :
Acquired : 13 Apr 2023 07:07 using AcqMethod ASMSDRUGSTI.M
Instrument : Stringbean
Sample Name: Buprenorphine STD Blank TI
Misc Info : MEOH
Vial Number: 10



File :X:\2023\IB\04-12-23\Buprenorphine STD TI.D
Operator :
Acquired : 13 Apr 2023 07:39 using AcqMethod ASMSDRUGSTI.M
Instrument : Stringbean
Sample Name: Buprenorphine STD TI
Misc Info : MEOH,Cerilliant,LotFE03191903,Exp.06/24
Vi Number: 11

22

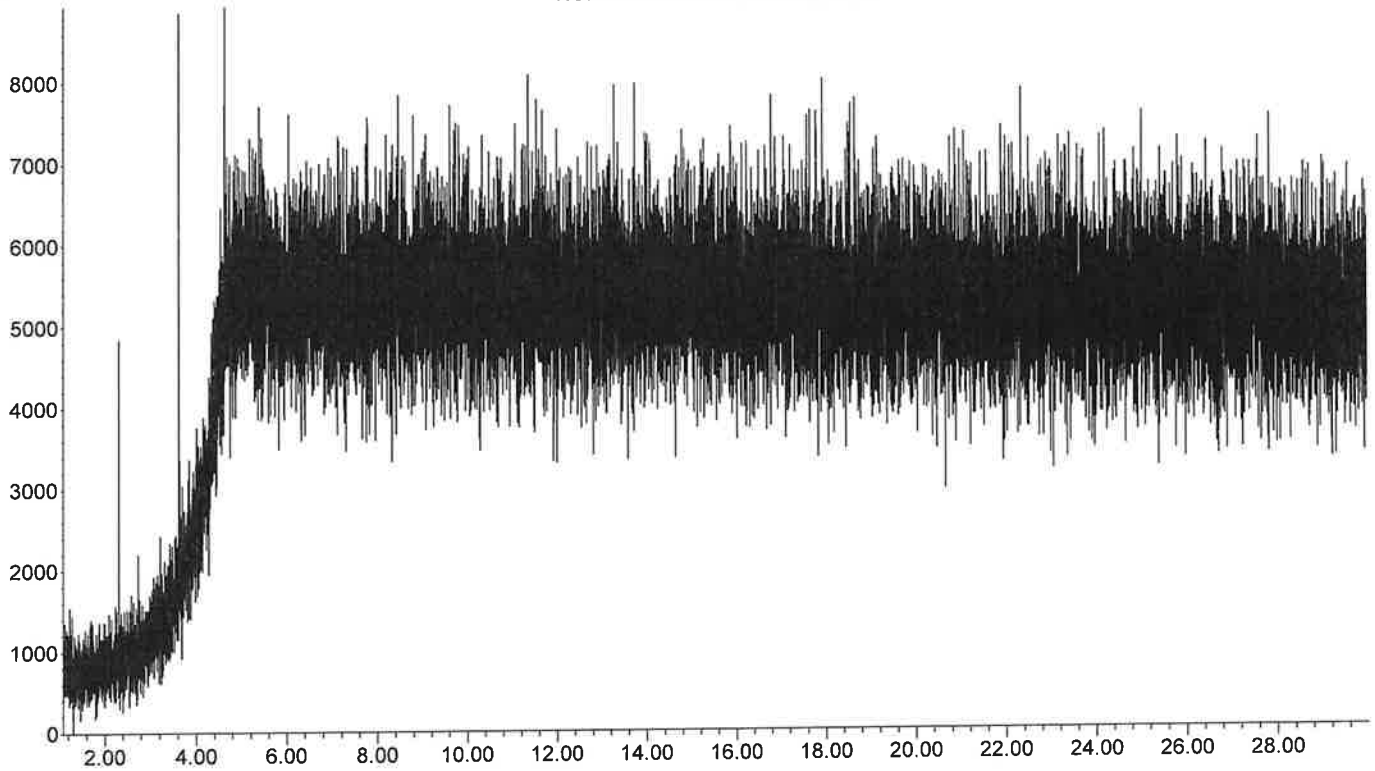


File :X:\2023\IB\04-12-23\LSD STD Blank TI.D
Operator :
Acquired : 13 Apr 2023 09:19 using AcqMethod ASMSDRUGSTI.M
Instrument : Stringbean
Sample Name: LSD STD Blank TI
Misc Info : MEOH
Vi umber: 12

ell

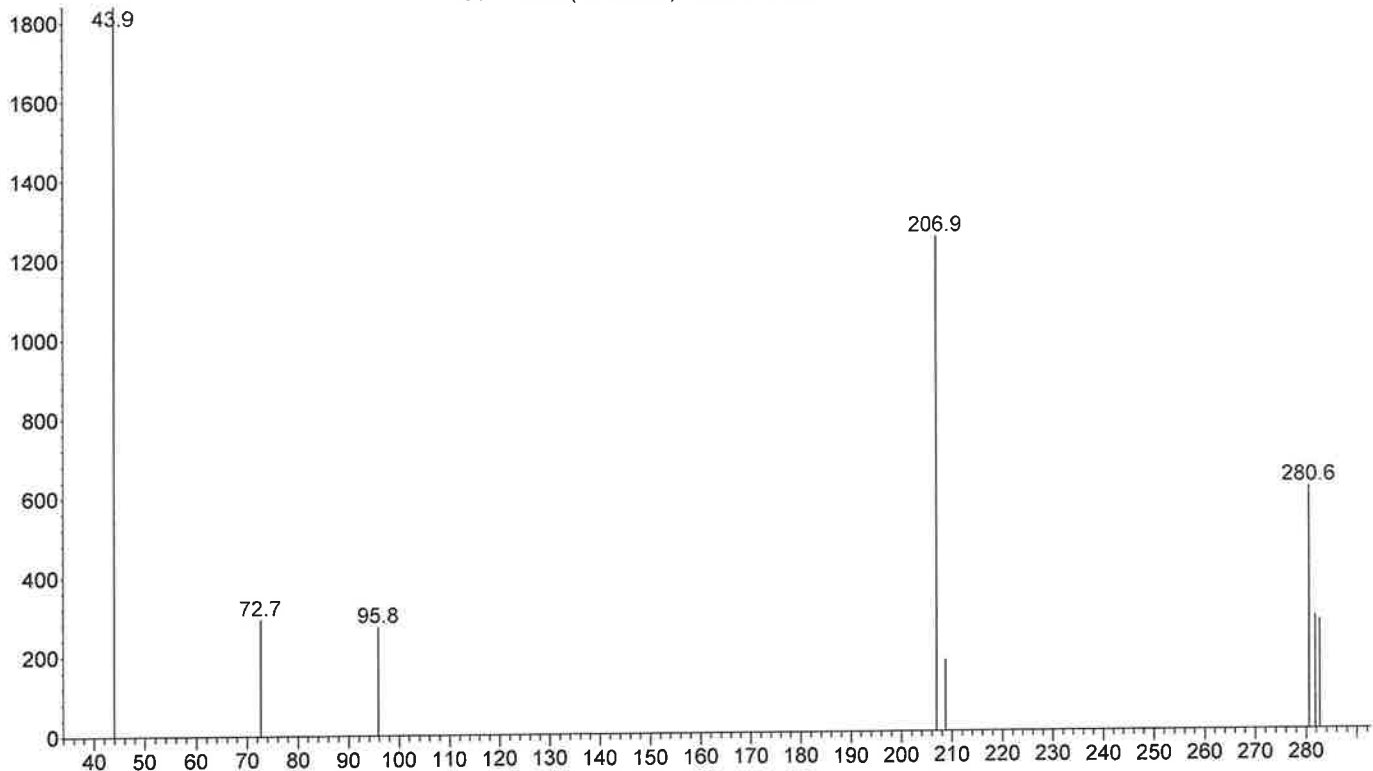
Abundance

TIC: LSD STD Blank TI.D\data.ms



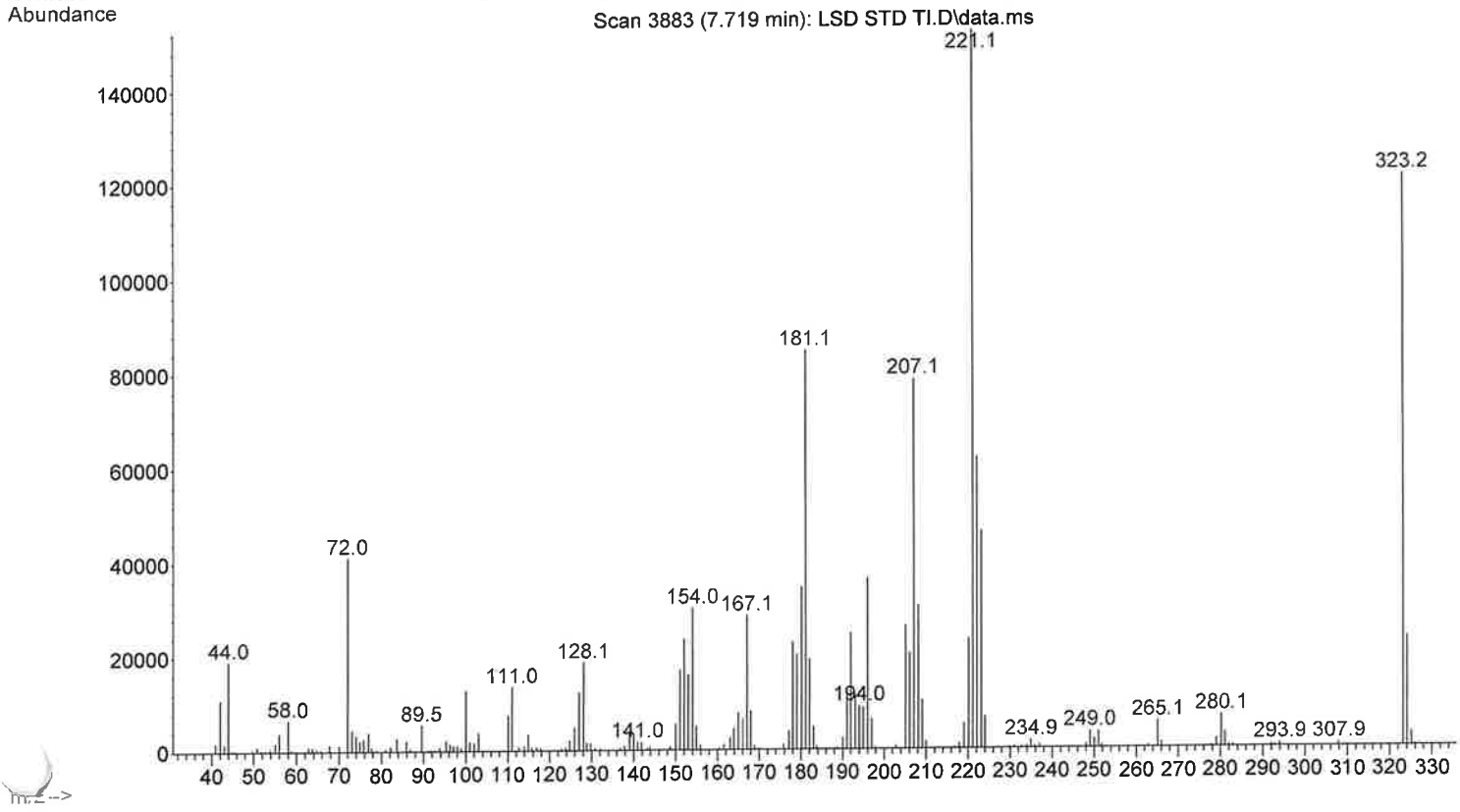
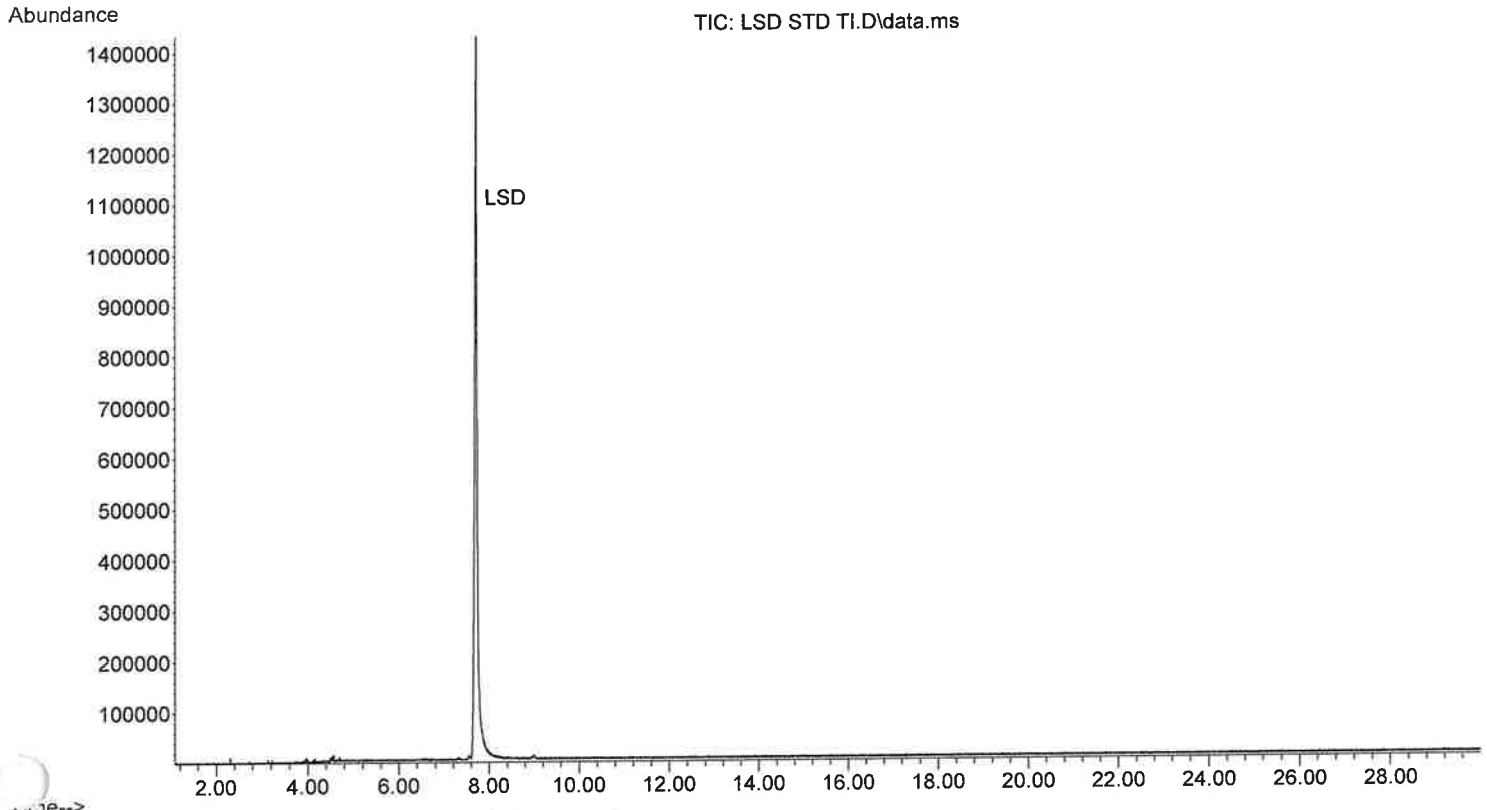
Abundance

Scan 2158 (4.773 min): LSD STD Blank TI.D\data.ms



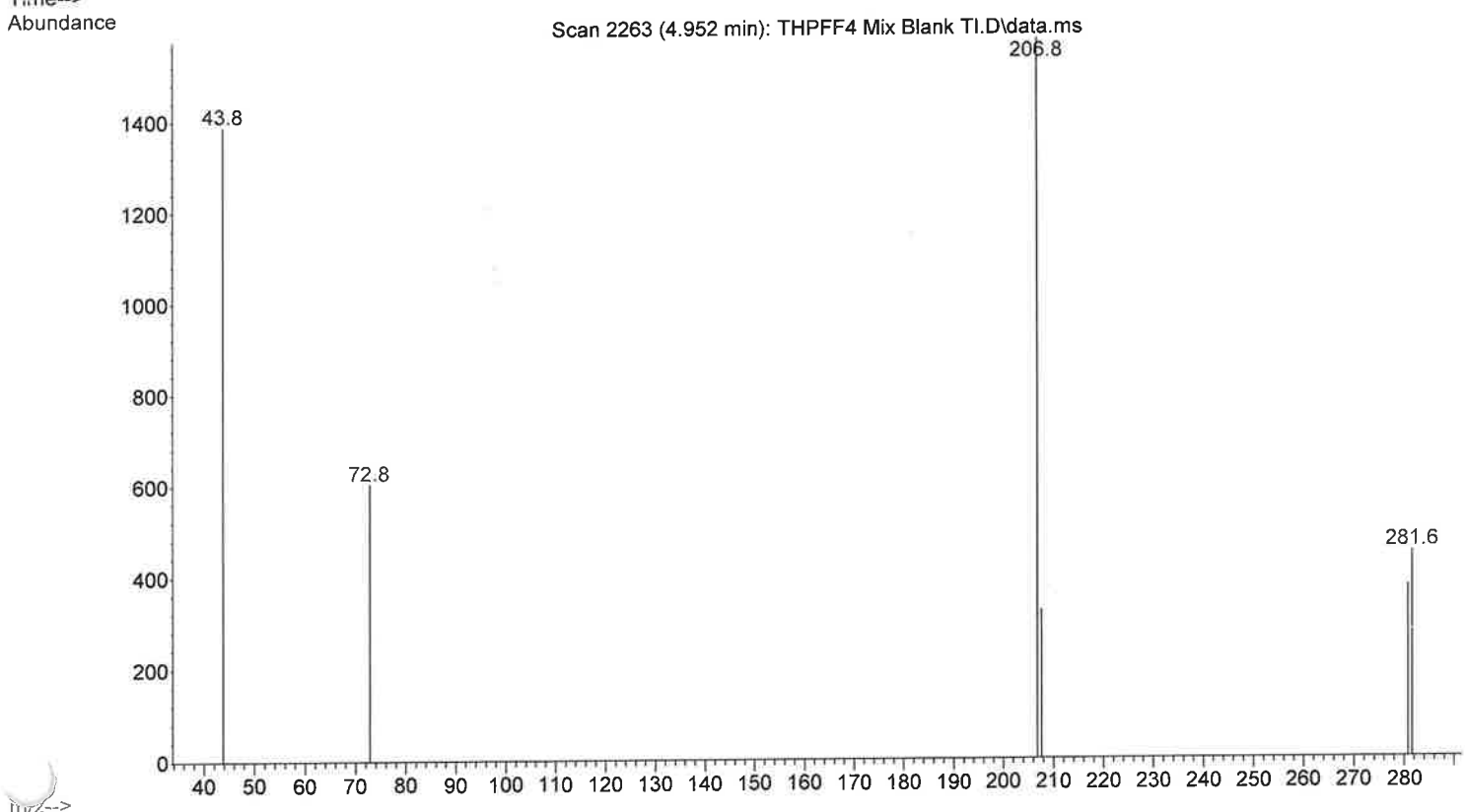
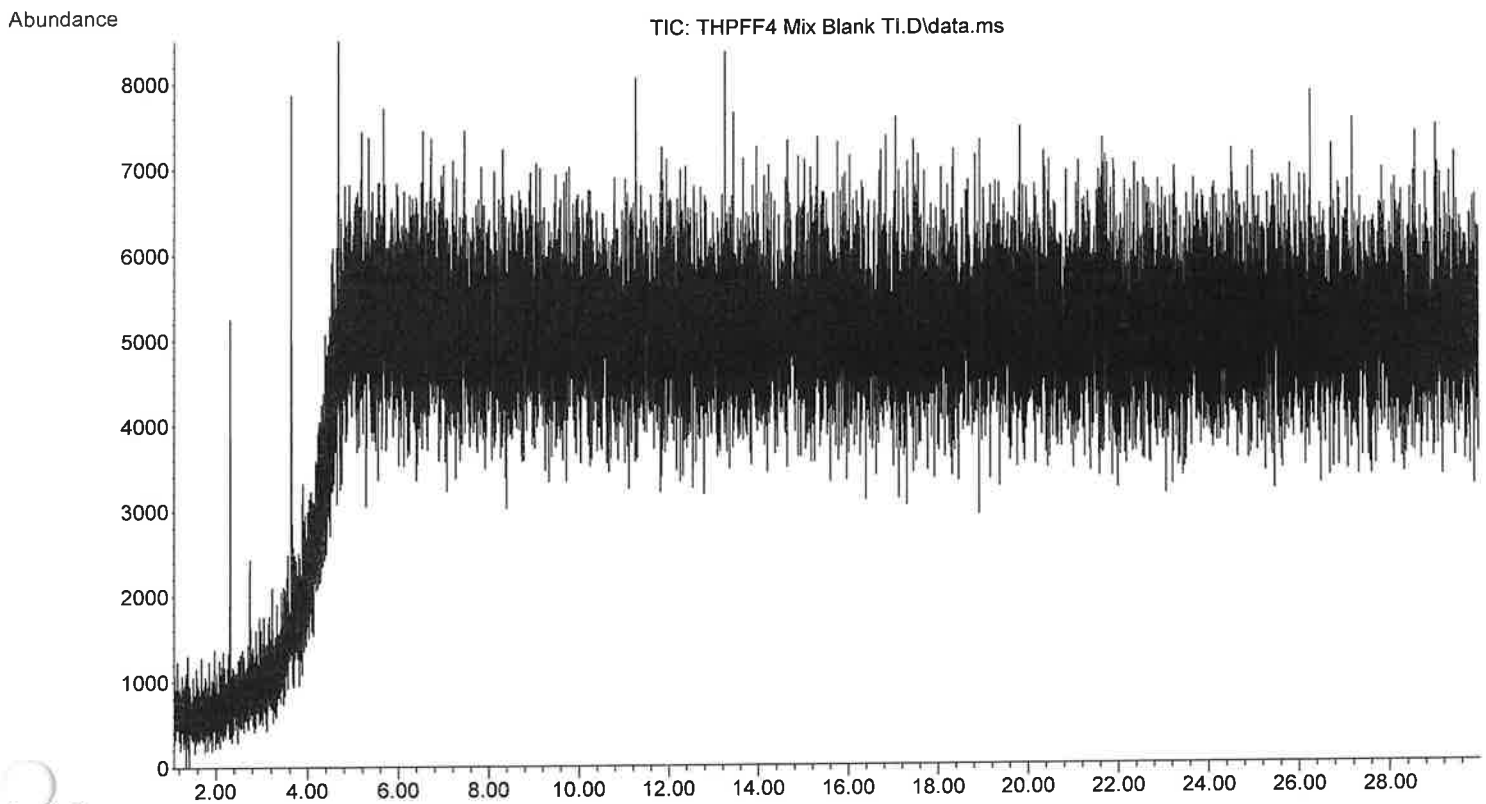
File :X:\2023\IB\04-12-23\LSD STD TI.D
Operator :
Acquired : 13 Apr 2023 09:52 using AcqMethod ASMSDRUGSTI.M
Instrument : Stringbean
Sample Name: LSD STD TI
Misc Info : MEOH,Cerilliant,LotFE10161901,Exp.10/24
Vial Number: 13

Qb



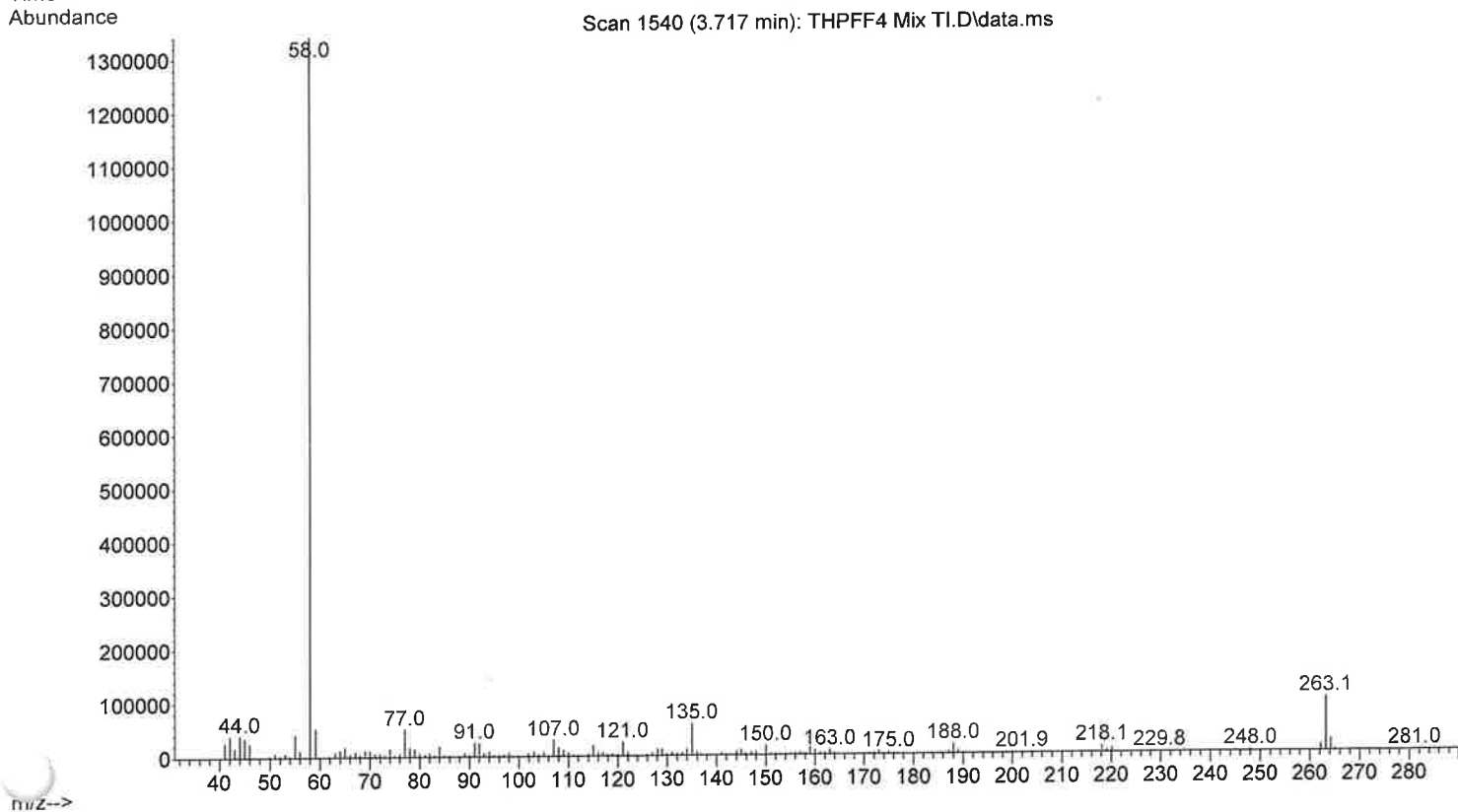
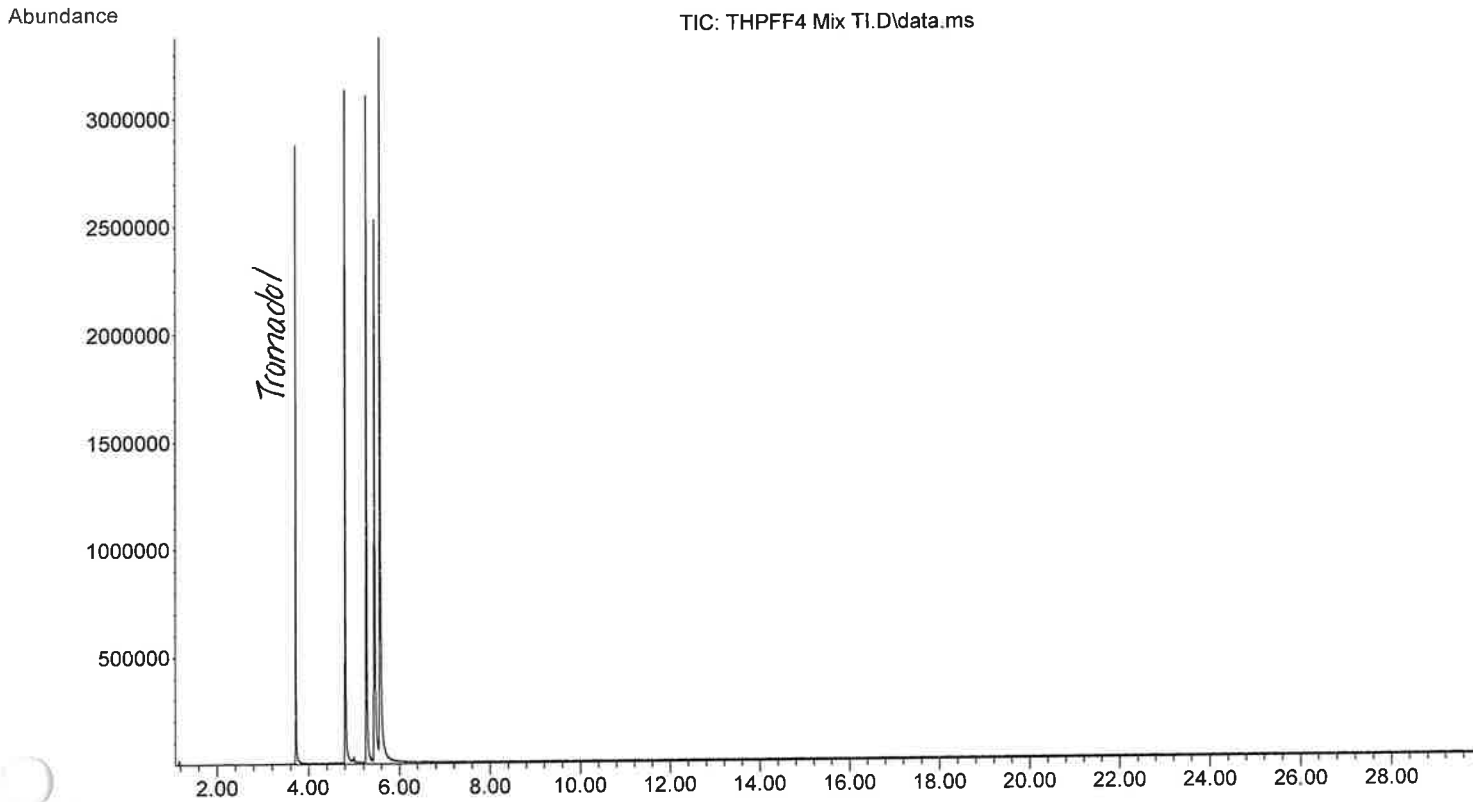
26

File :X:\2023\IB\04-12-23\THPFF4 Mix Blank TI.D
Operator :
Acquired : 13 Apr 2023 04:55 using AcqMethod ASMSDRUGSTI.M
Instrument : Stringbean
Sample Name: THPFF4 Mix Blank TI
Misc Info : MEOH
Vial Number: 6



File :X:\2023\IB\04-12-23\THPFF4 Mix TI.D
Operator :
Acquired : 13 Apr 2023 05:27 using AcqMethod ASMSDRUGSTI.M
Instrument : Stringbean
Sample Name: THPFF4 Mix TI
Misc Info : MEOH, Exp.03-22-24
Vi. umber: 7

UB

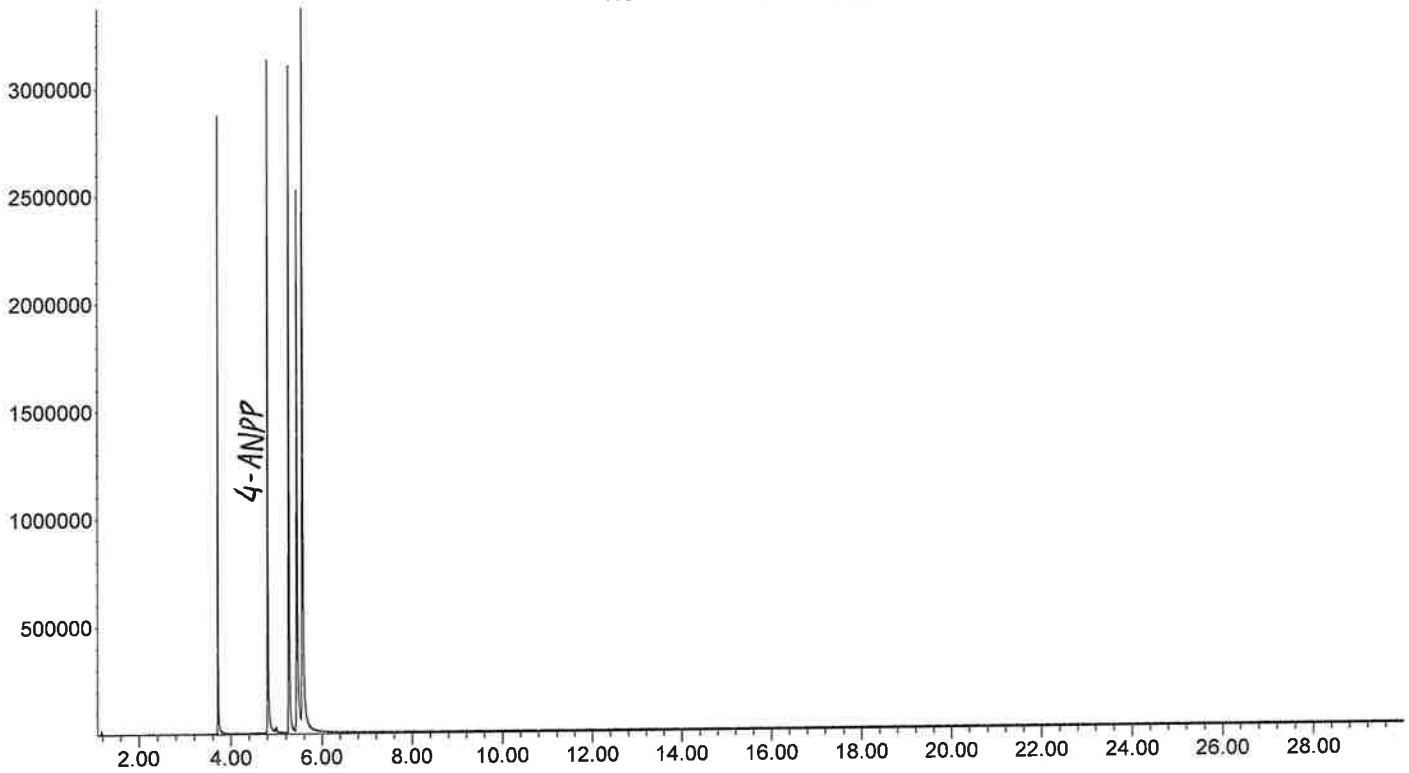


File :X:\2023\IB\04-12-23\THPFF4 Mix TI.D
Operator :
Acquired : 13 Apr 2023 05:27 using AcqMethod ASMSDRUGSTI.M
Instrument : Stringbean
Sample Name: THPFF4 Mix TI
Misc Info : MEOH, Exp.03-22-24
Vi umber: 7

ell

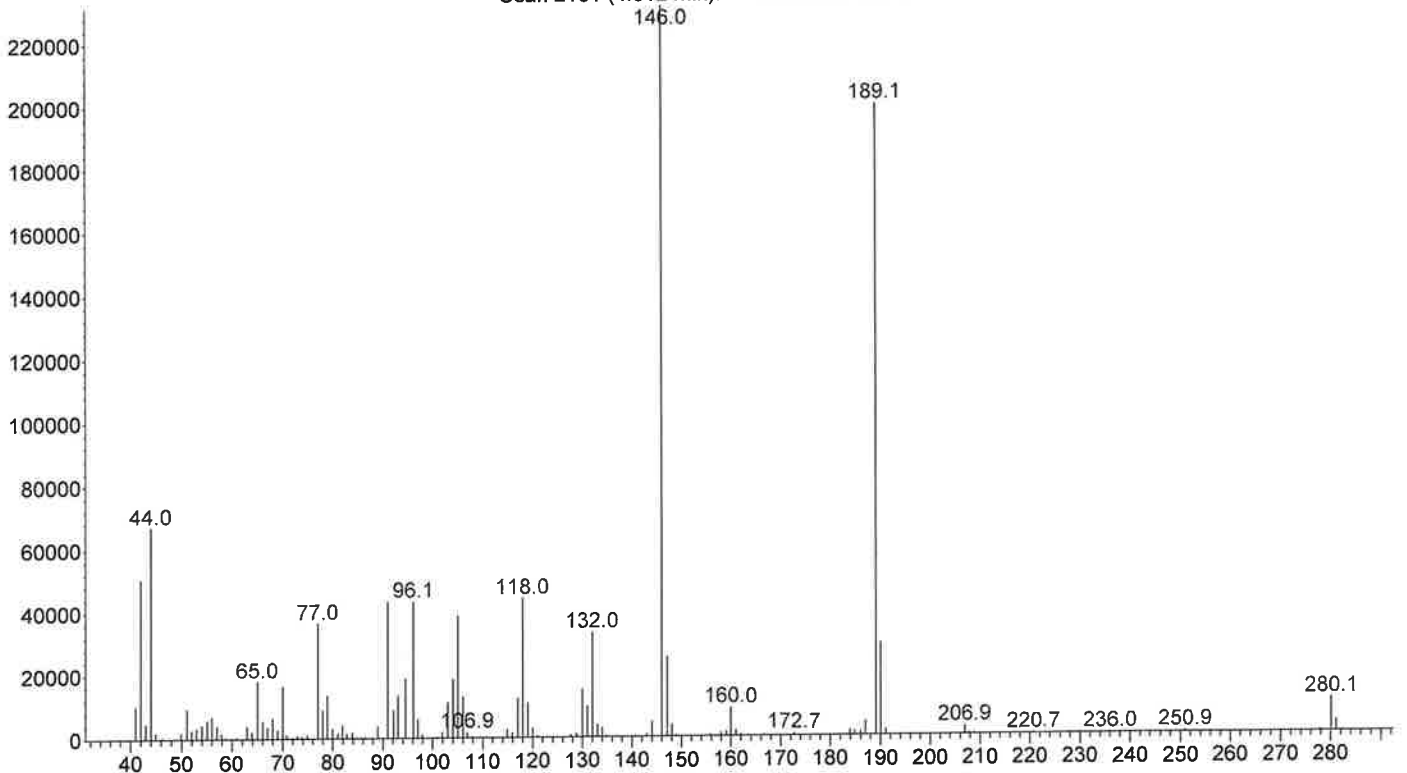
Abundance

TIC: THPFF4 Mix TI.D\data.ms



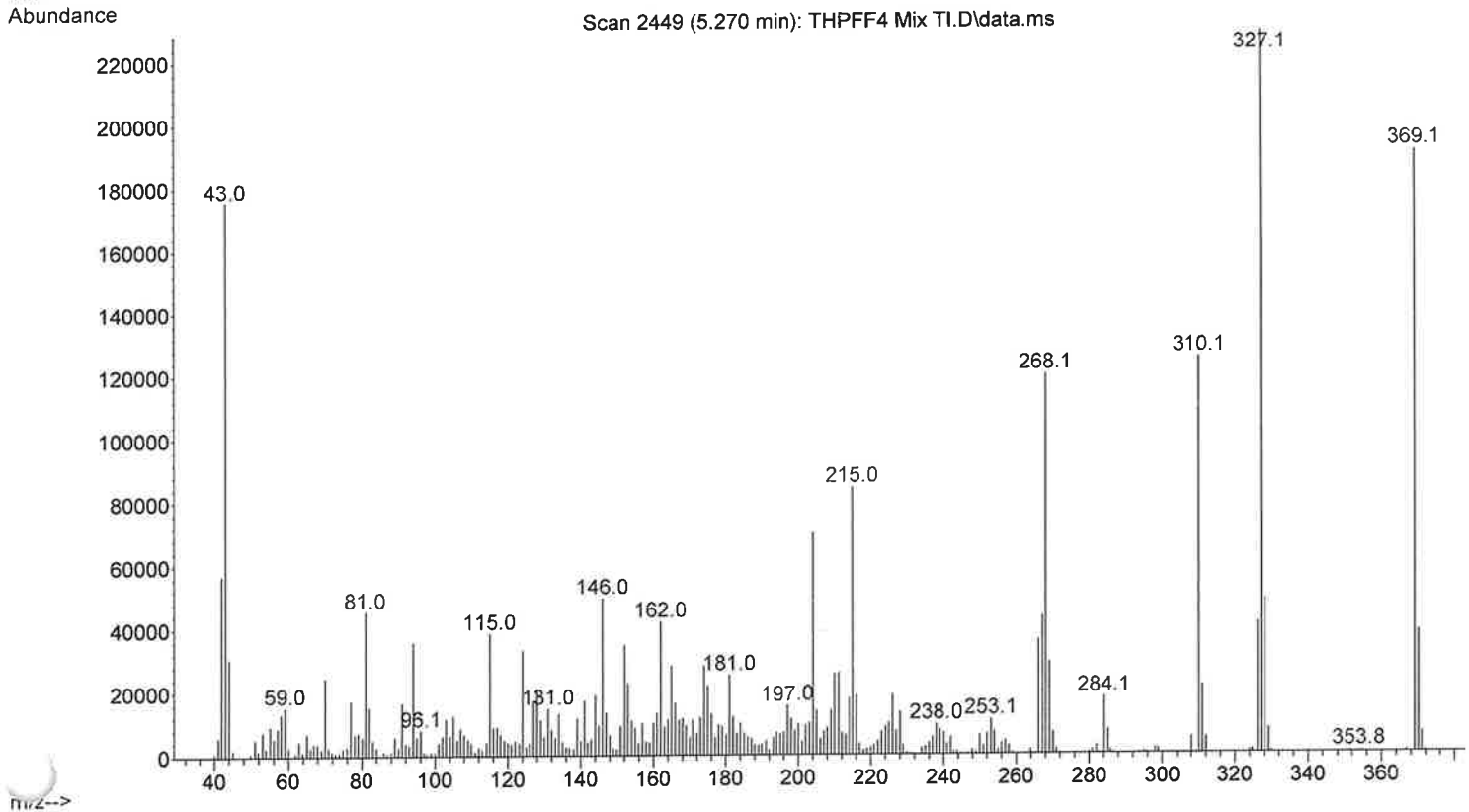
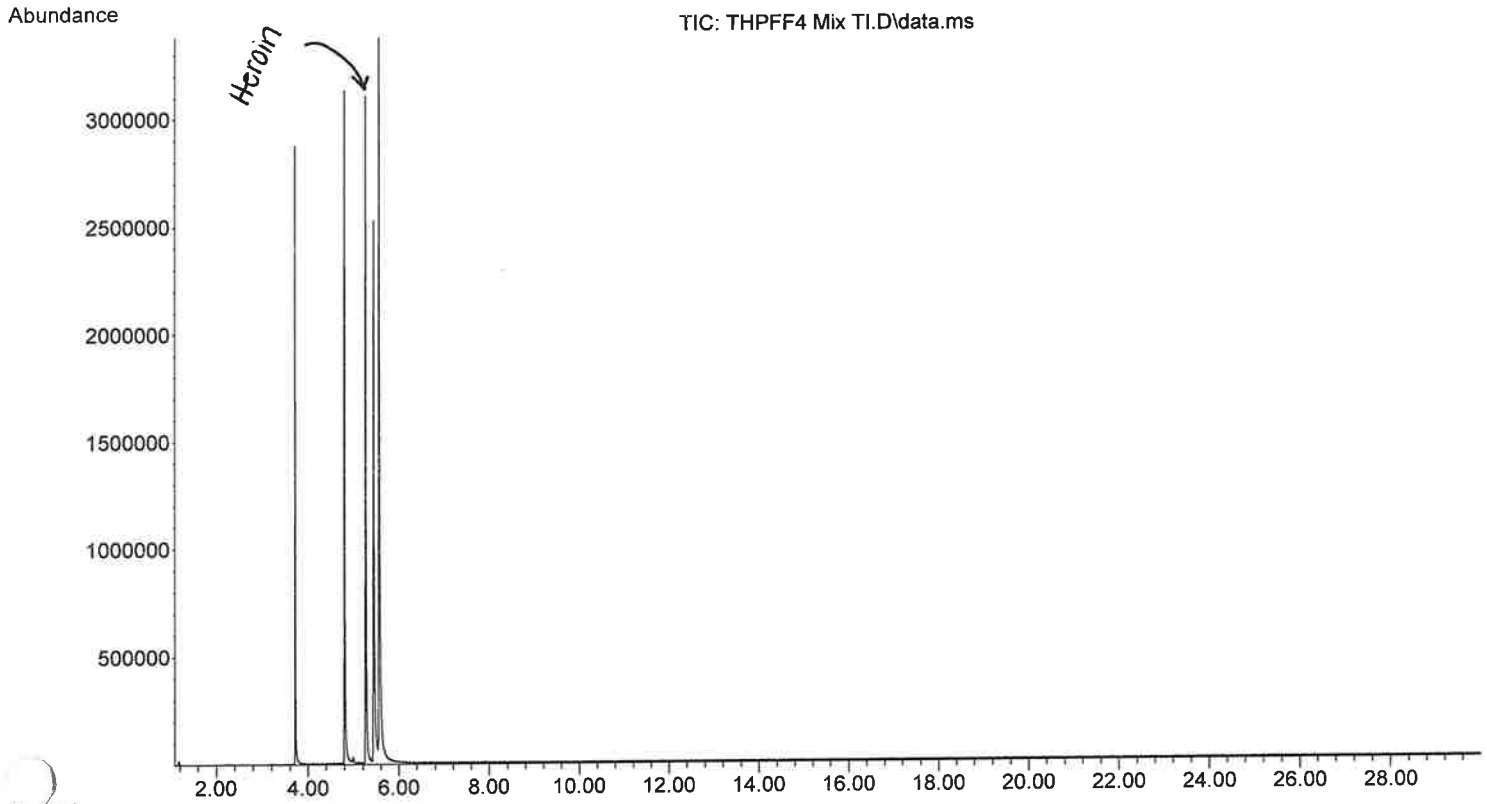
Abundance

Scan 2181 (4.812 min): THPFF4 Mix TI.D\data.ms



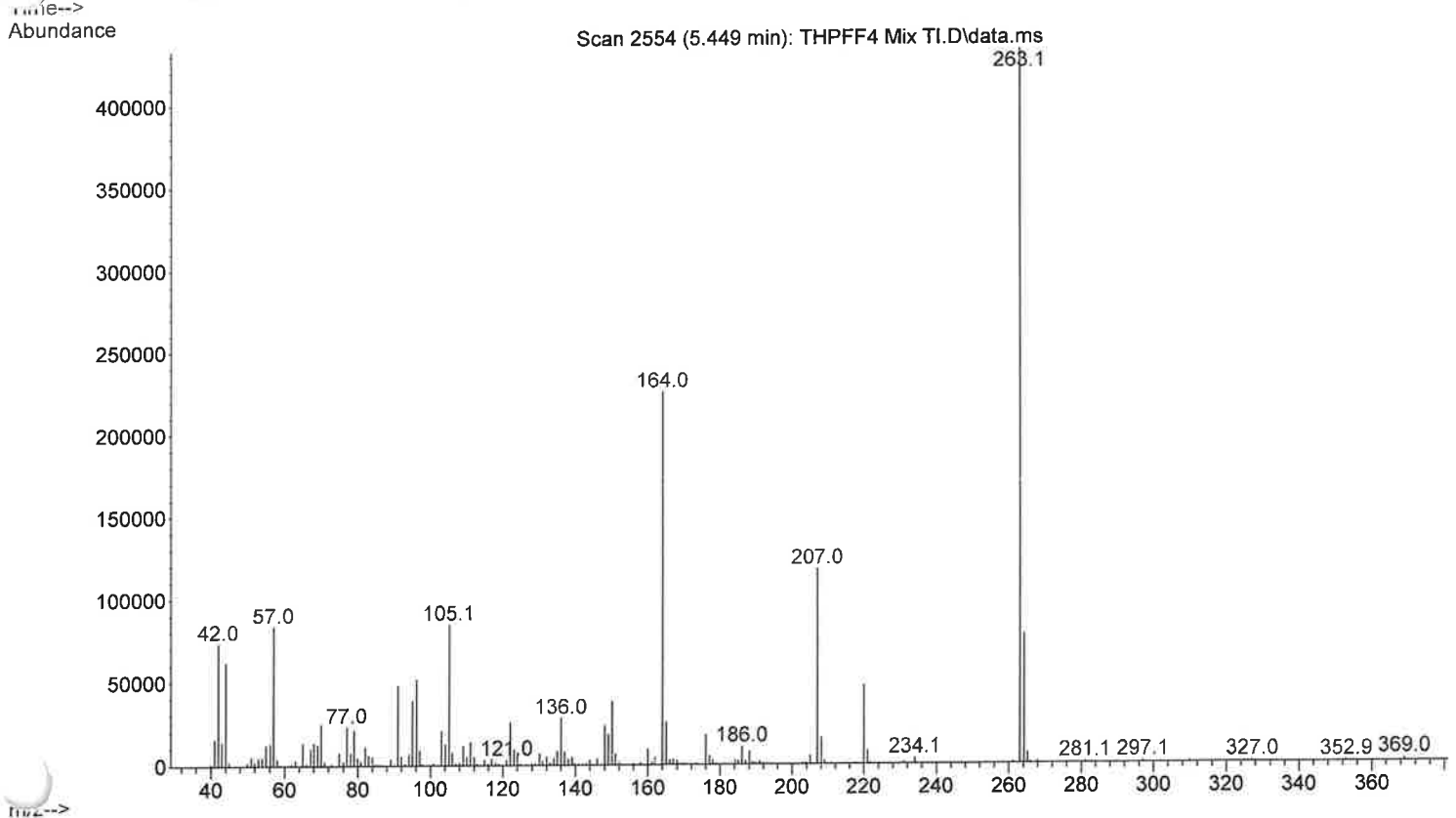
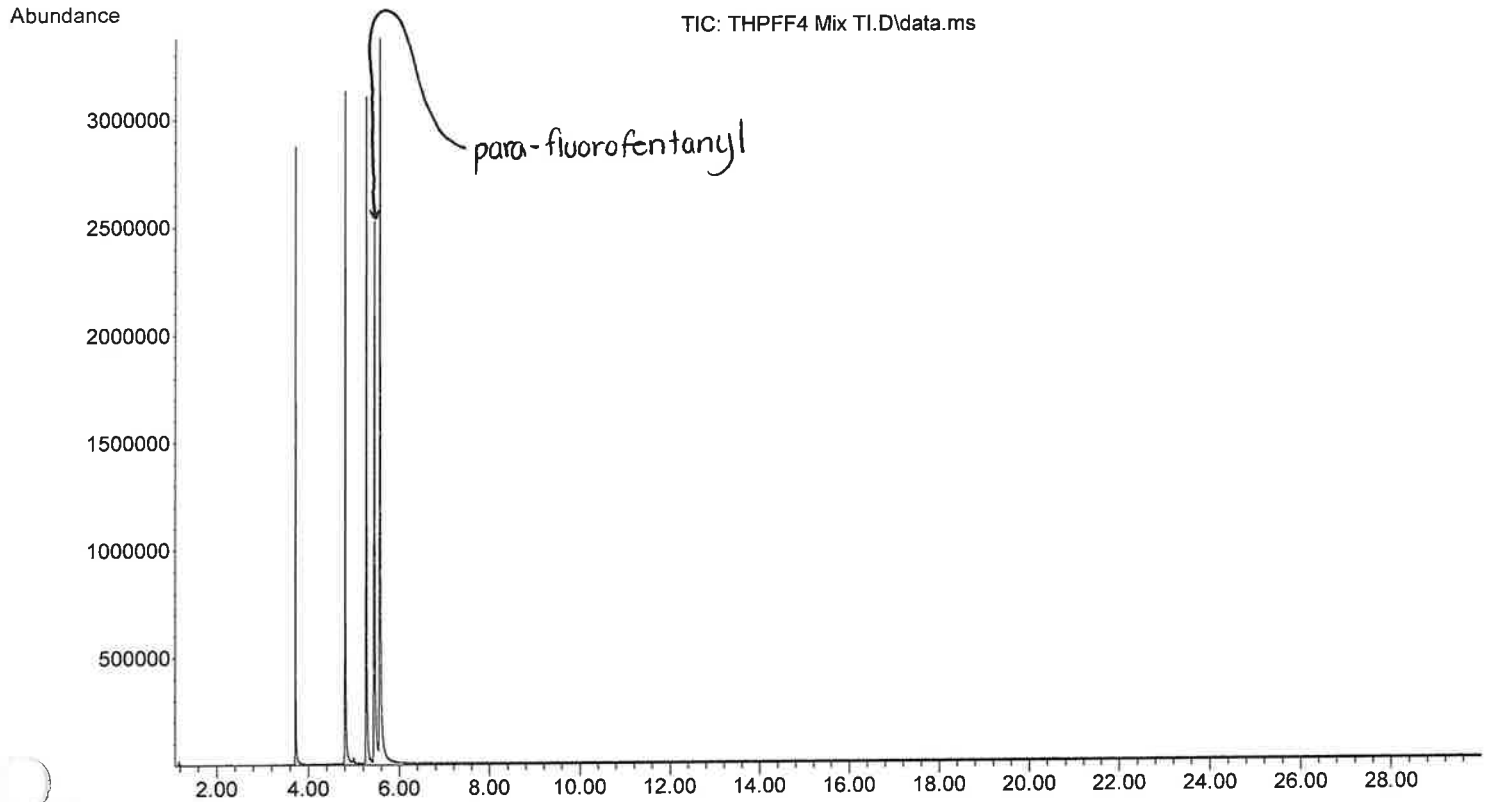
File :X:\2023\IB\04-12-23\THPFF4 Mix TI.D
Operator :
Acquired : 13 Apr 2023 05:27 using AcqMethod ASMSDRUGSTI.M
Instrument : Stringbean
Sample Name: THPFF4 Mix TI
Misc Info : MEOH, Exp.03-22-24
Vial Number: 7

CB



File :X:\2023\IB\04-12-23\THPFF4 Mix TI.D
Operator :
Acquired : 13 Apr 2023 05:27 using AcqMethod ASMSDRUGSTI.M
Instrument : Stringbean
Sample Name: THPFF4 Mix TI
Misc Info : MEOH, Exp.03-22-24
Vial Number: 7

ek

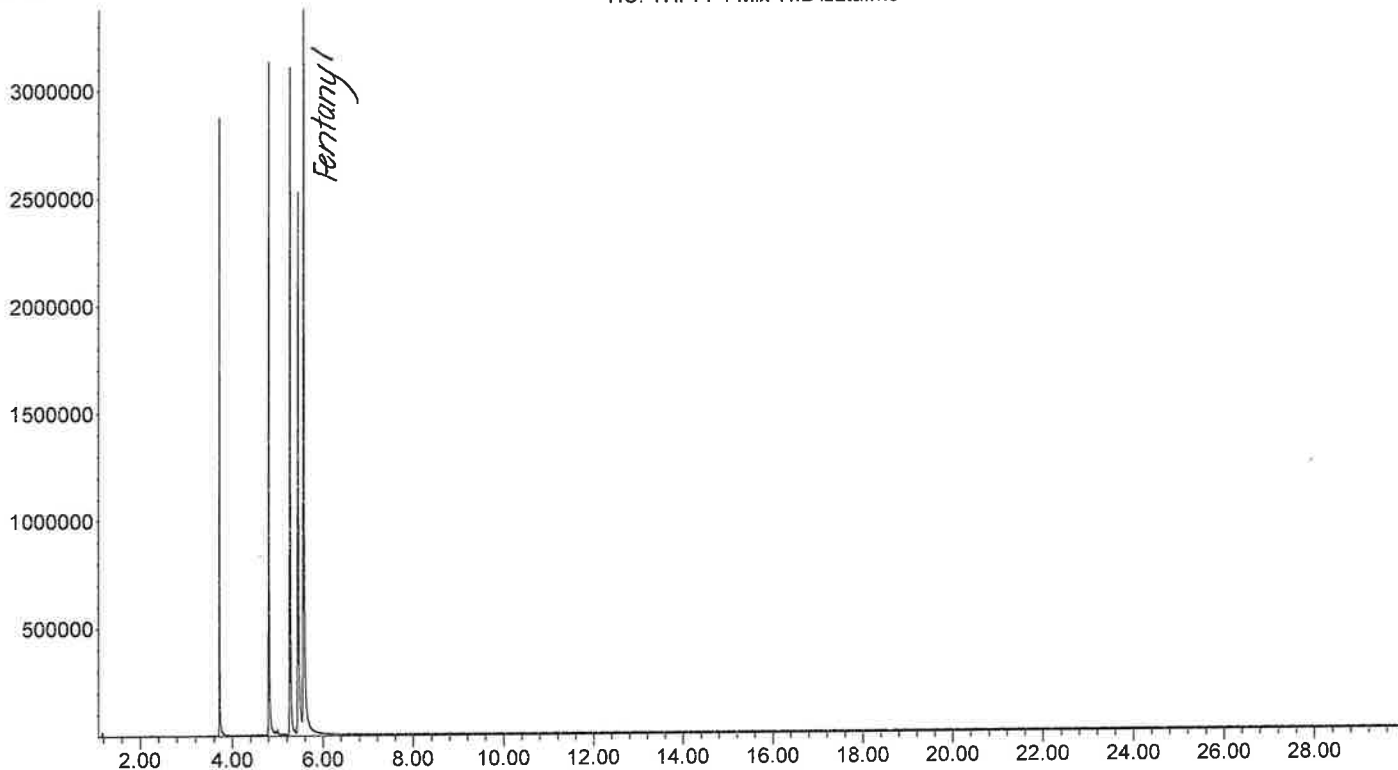


File :X:\2023\IB\04-12-23\THPFF4 Mix TI.D
Operator :
Acquired : 13 Apr 2023 05:27 using AcqMethod ASMSDRUGSTI.M
Instrument : Stringbean
Sample Name: THPFF4 Mix TI
Misc Info : MEOH, Exp.03-22-24
Vial Number: 7

WB

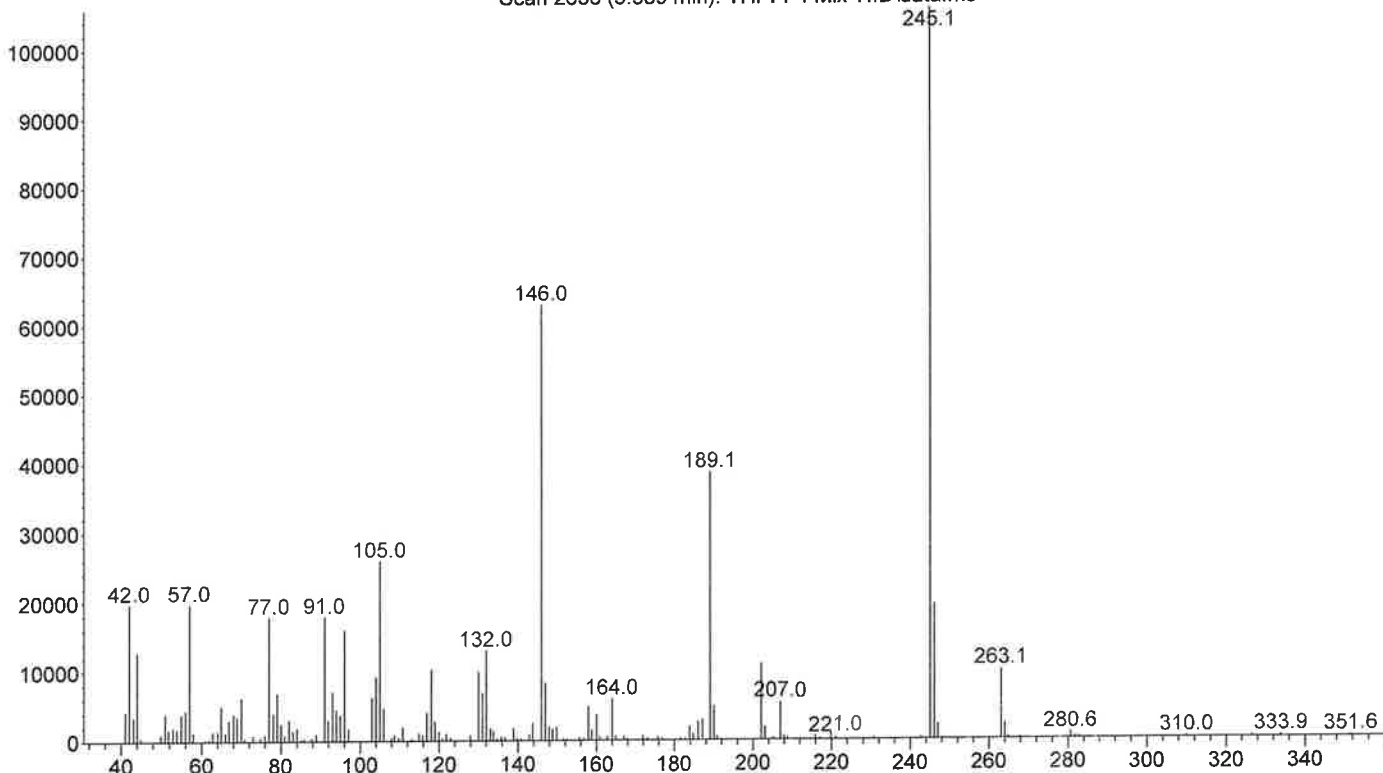
Abundance

TIC: THPFF4 Mix TI.D\data.ms



Abundance

Scan 2636 (5.589 min): THPFF4 Mix TI.D\data.ms

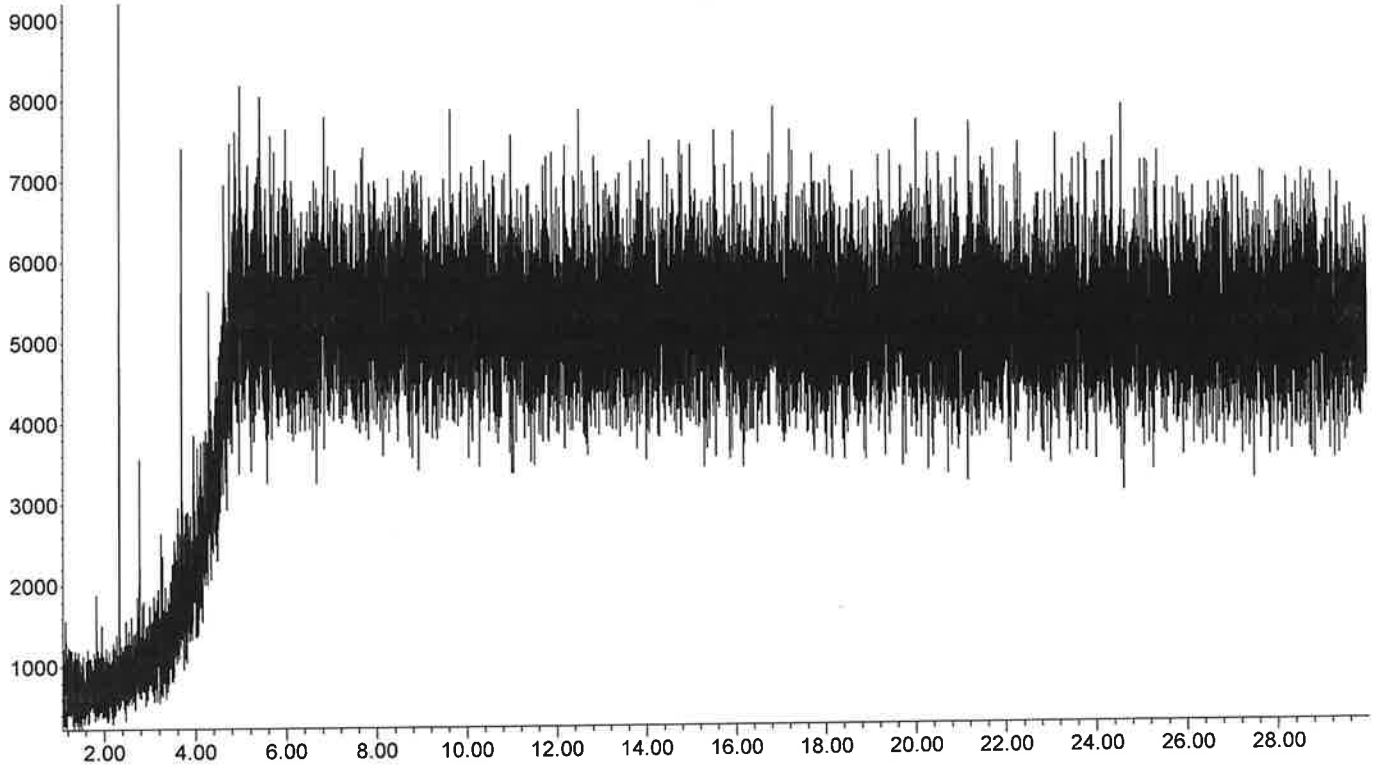


File :X:\2023\IB\04-12-23\Testosterone Acetate STD Blank TI.D
Operator :
Acquired : 13 Apr 2023 11:02 using AcqMethod ASMSDRUGSTI.M
Instrument : Stringbean
Sample Name: Testosterone Acetate STD Blank TI
Misc Info : MEOH
Vial Number: 8

EB

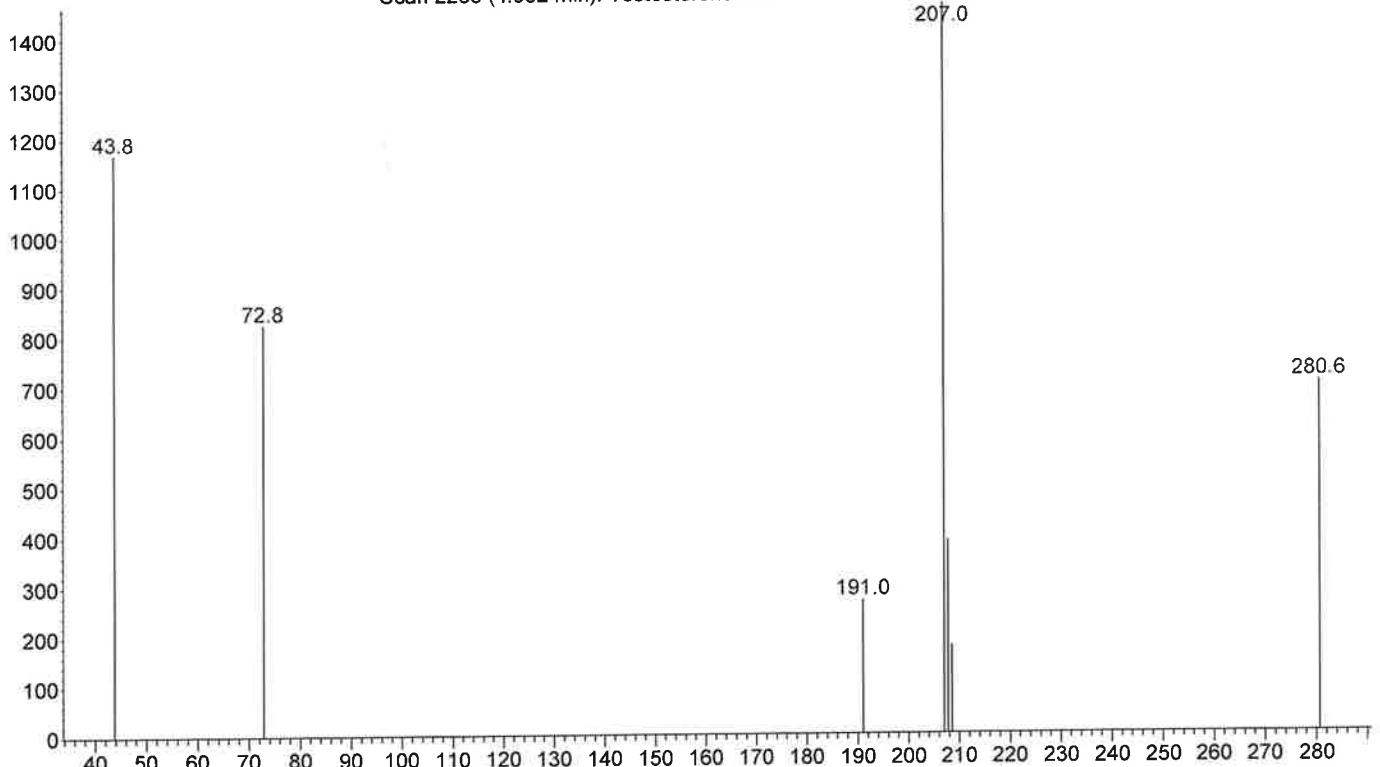
Abundance

TIC: Testosterone Acetate STD Blank TI.D\data.ms



Time-->
Abundance

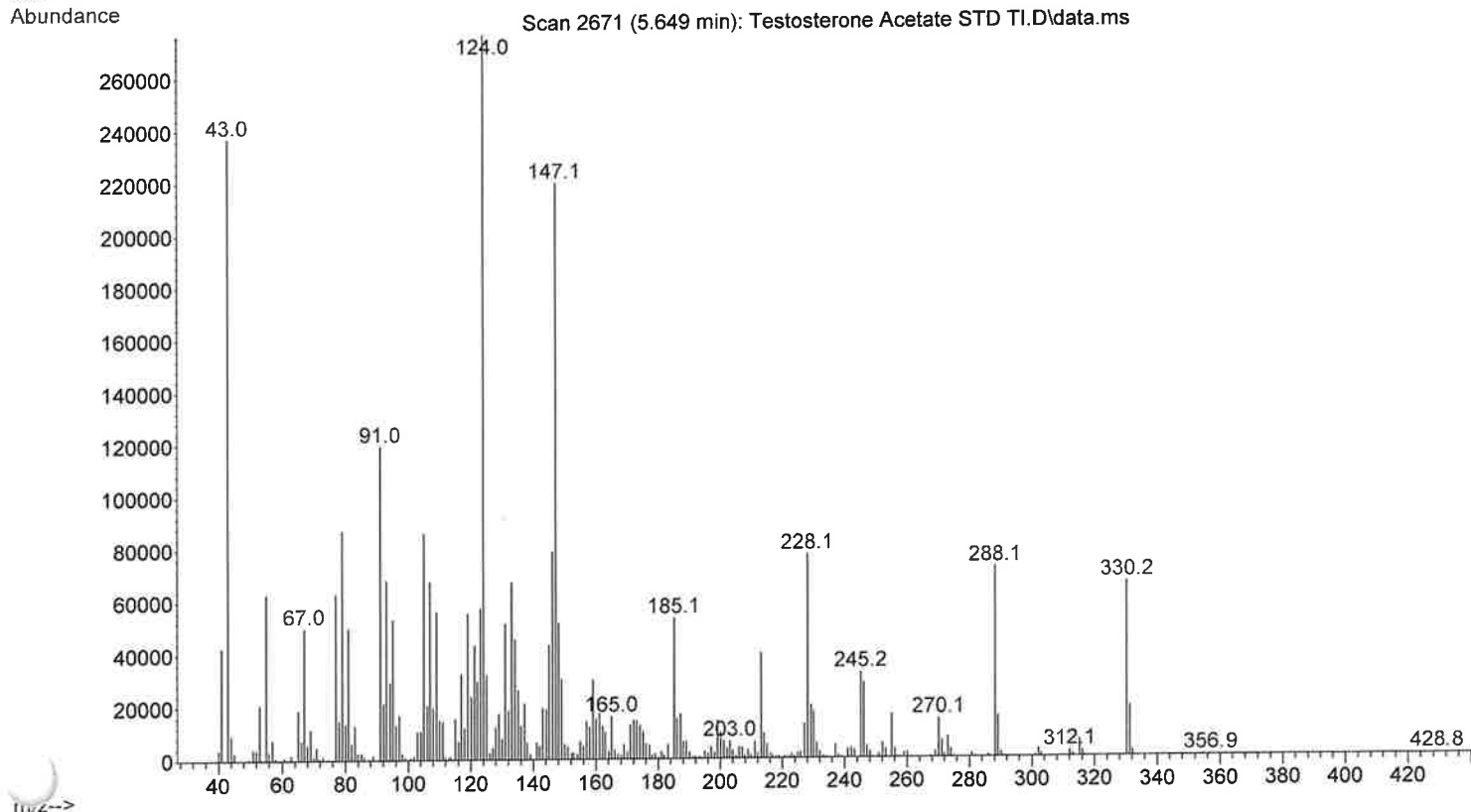
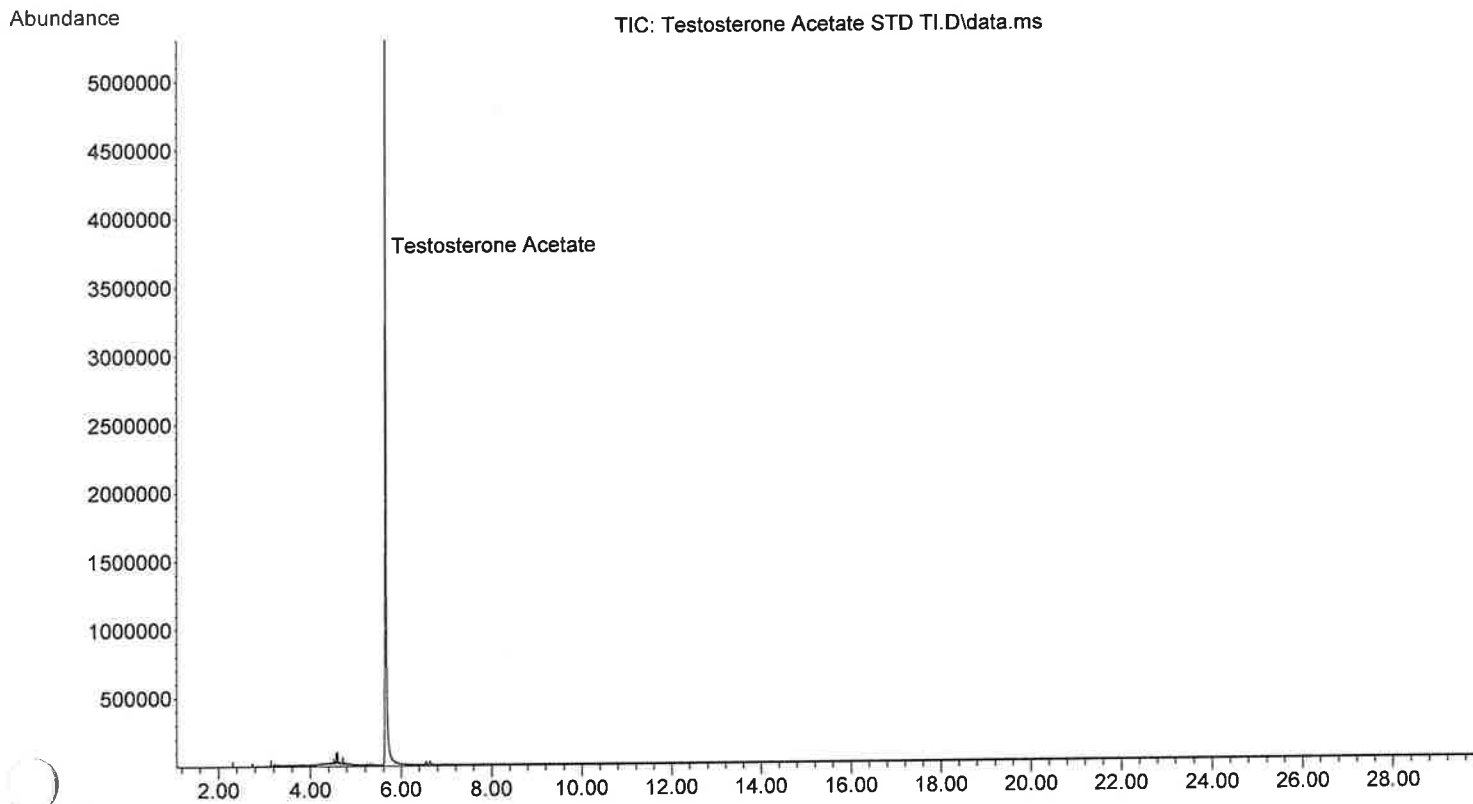
Scan 2263 (4.952 min): Testosterone Acetate STD Blank TI.D\data.ms



m/z-->

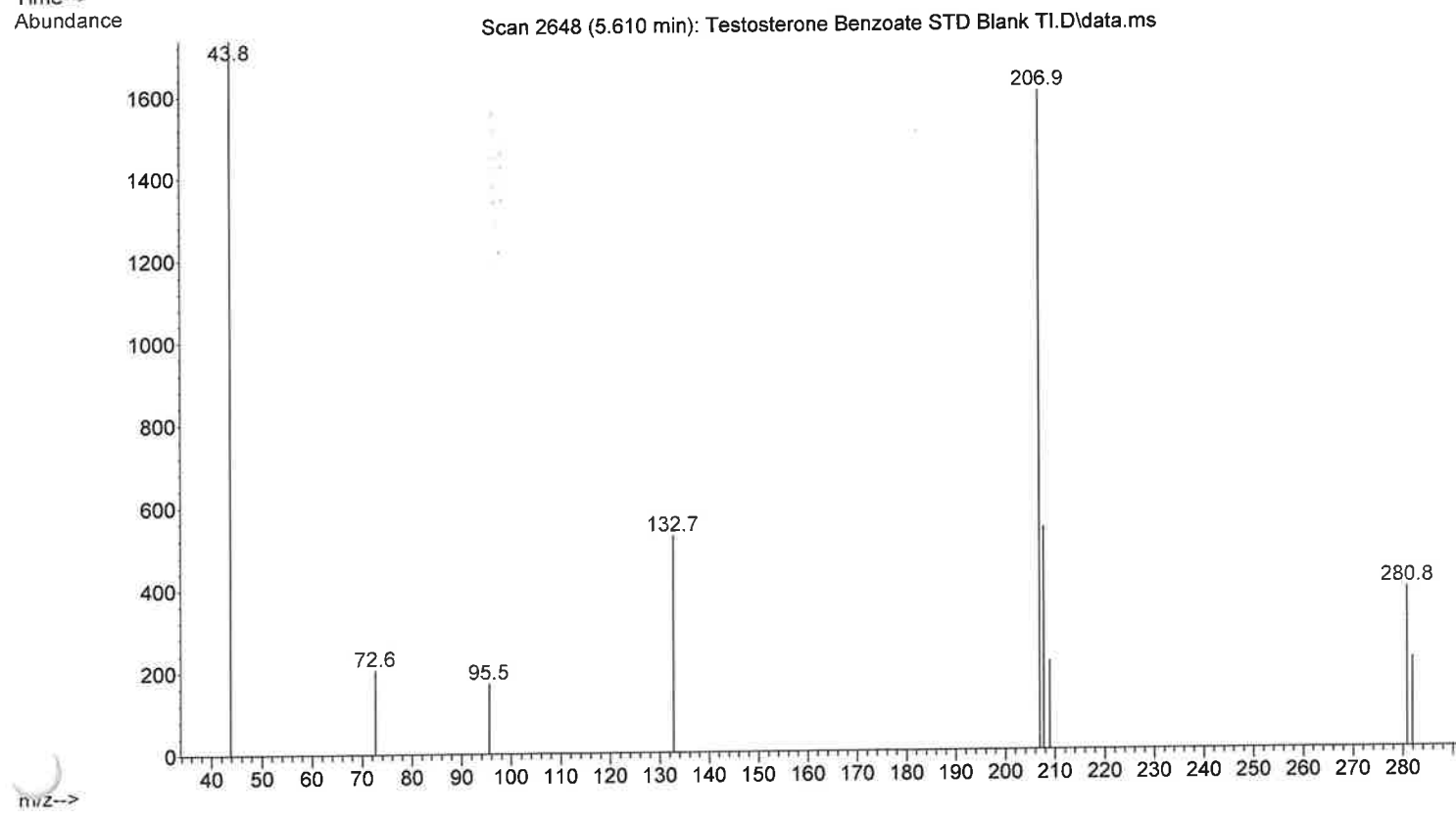
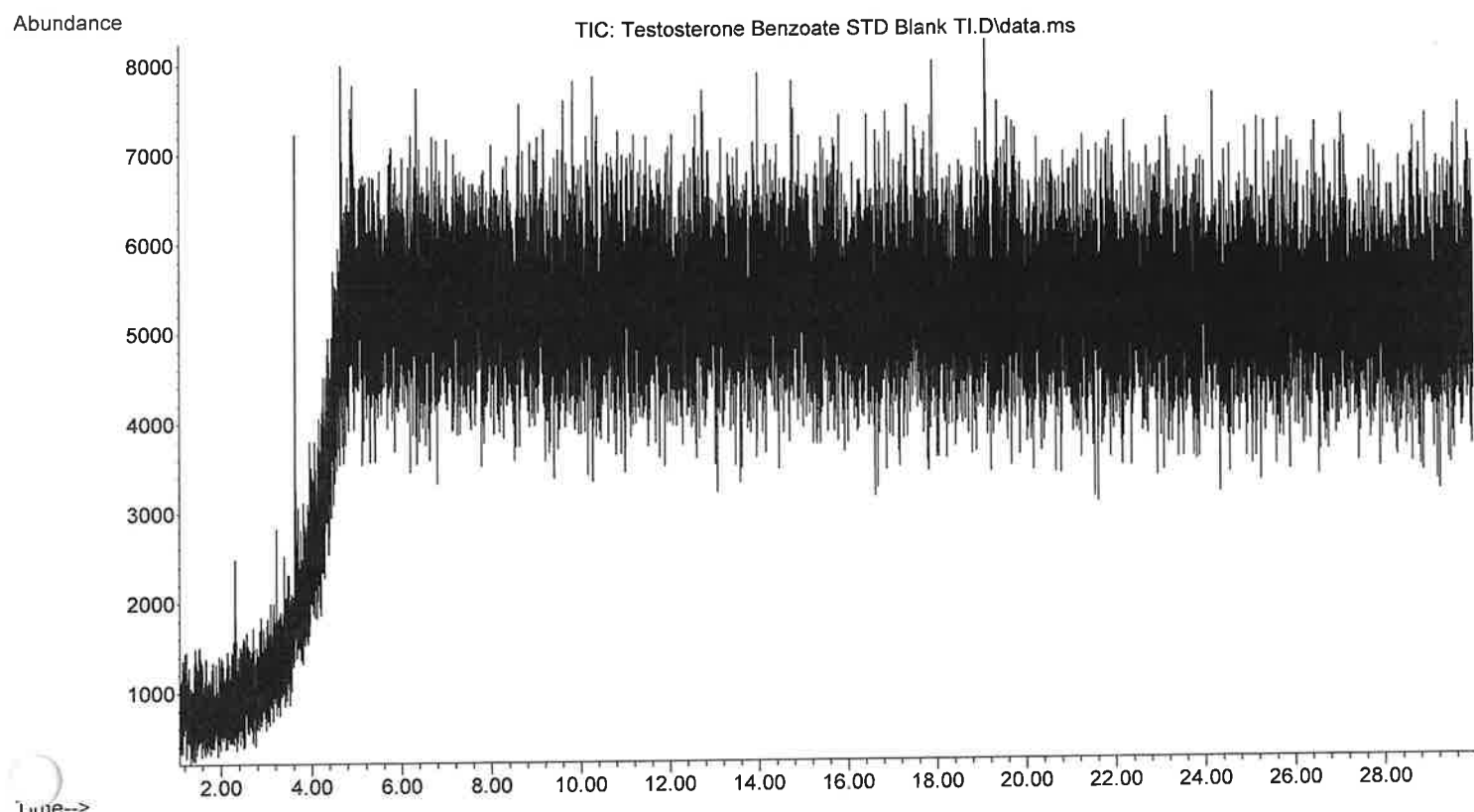
File :X:\2023\IB\04-12-23\Testosterone Acetate STD TI.D
Operator :
Acquired : 13 Apr 2023 11:35 using AcqMethod ASMSDRUGSTI.M
Instrument : Stringbean
Sample Name: Testosterone Acetate STD TI
Misc Info : MEOH, Sigma, Lot19F0299, Exp.02-06-24
Vial Number: 9

06



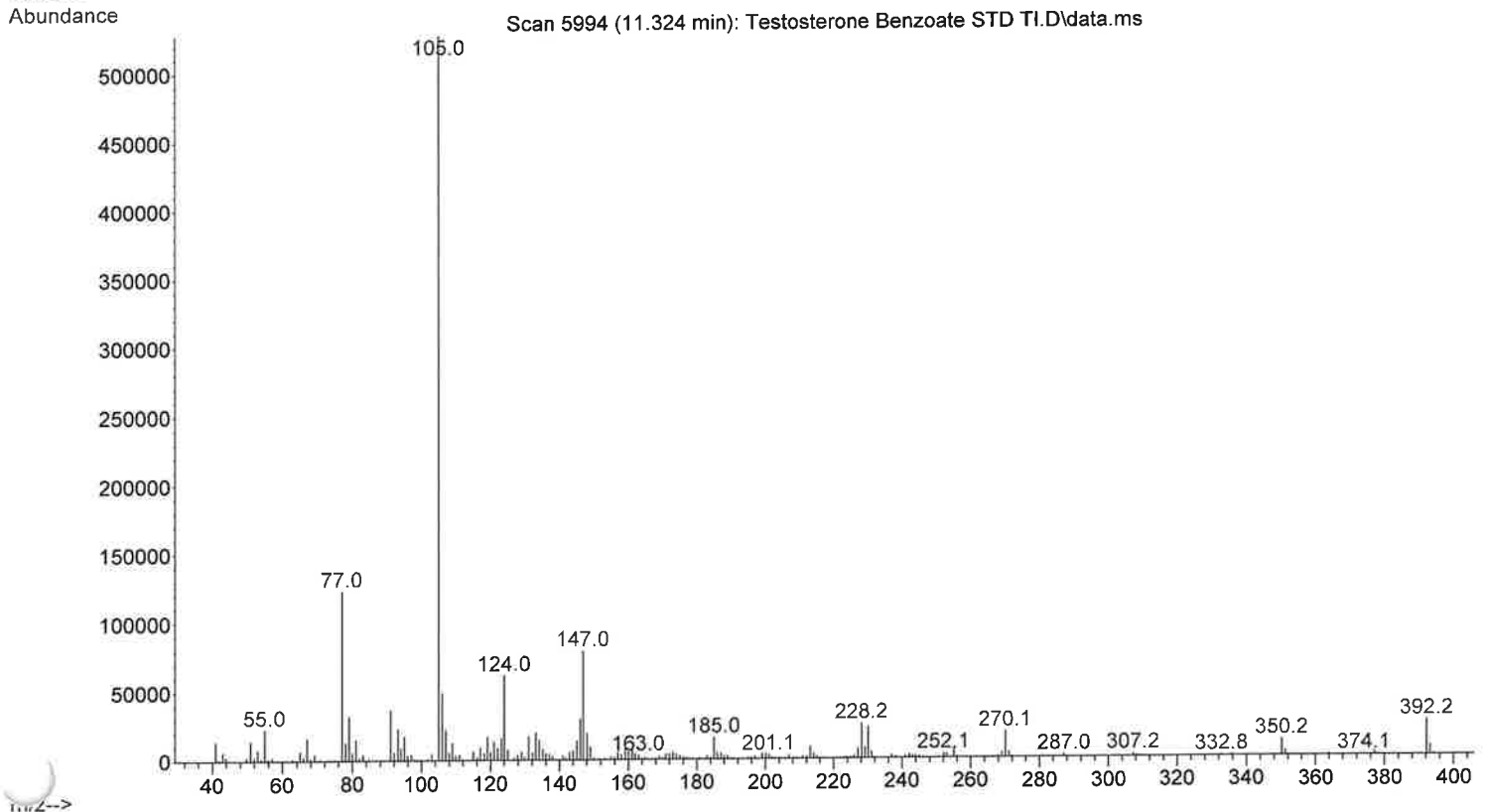
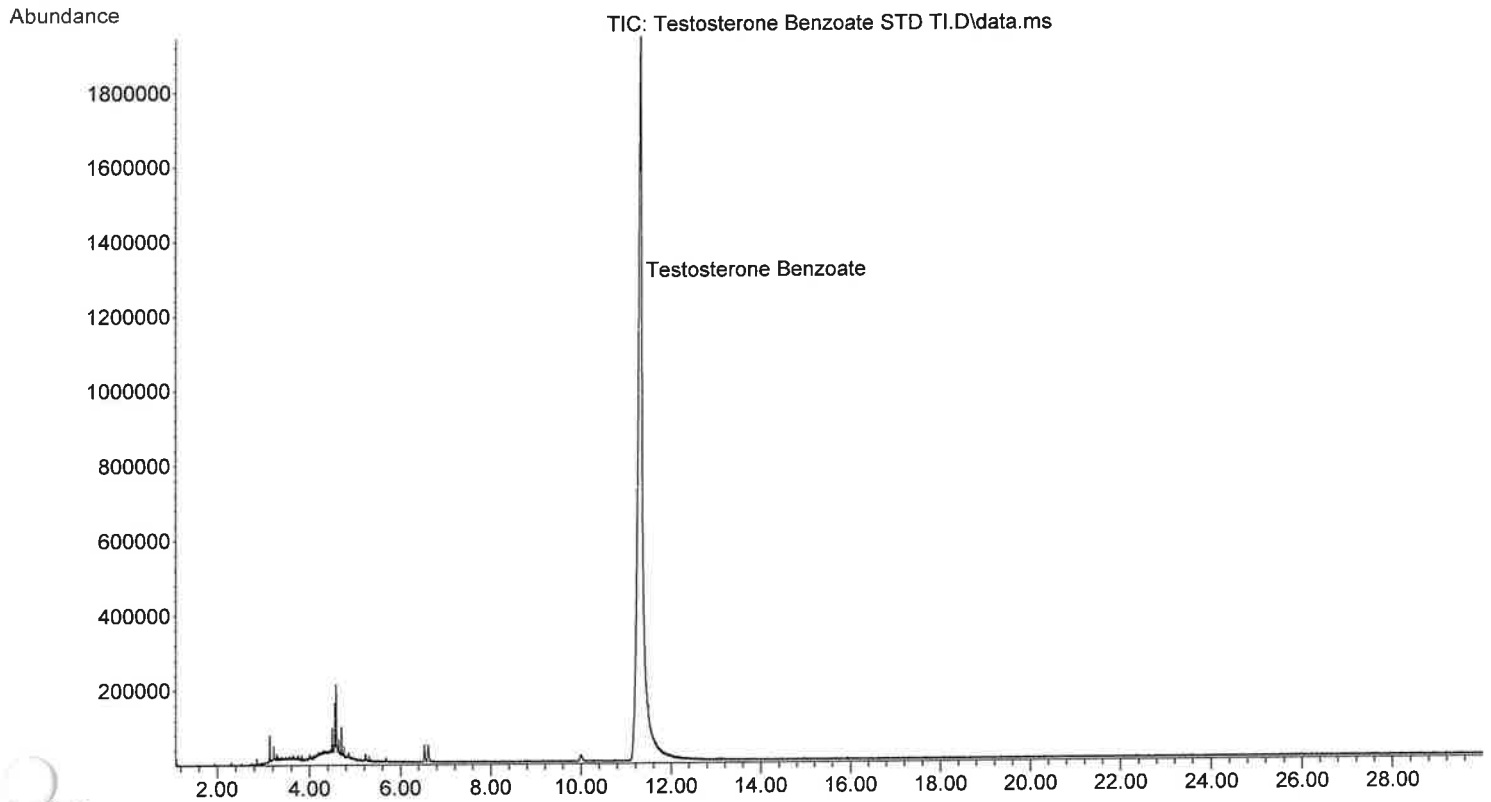
ell

File :X:\2023\IB\04-12-23\Testosterone Benzoate STD Blank TI.D
Operator :
Acquired : 13 Apr 2023 12:41 using AcqMethod ASMSDRUGSTI.M
Instrument : Stringbean
Sample Name: Testosterone Benzoate STD Blank TI
Misc Info : MEOH
Vial Number: 14



File :X:\2023\IB\04-12-23\Testosterone Benzoate STD TI.D
Operator :
Acquired : 13 Apr 2023 13:14 using AcqMethod ASMSDRUGSTI.M
Instrument : Stringbean
Sample Name: Testosterone Benzoate STD TI
Misc Info : MEOH, Sigma, Lot49F0246, Exp.02-10-24
Vial Number: 15

alt



METHOD CONTROL PARAMETERS

Method Information for: D:\MassHunter\GCMS\1\methods\ASMS280ISO.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:

This is an autosample MS 280 Isothermal / 20 minute method.

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	D:\MassHunter\GCMS\1\methods\ASMS280ISO.M
Tune file	ATUNE.U
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.0
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 6,250 [N=0]

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	40	550

Self-Cleaning Ion Source Parameters

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

D:\MassHunter\GCMS\1\methods\ASMS280ISO.M
Tue Apr 04 07:39:47 2023

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) 280 °C
Hold Time 1 min
Post Run 50 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 19 min

Equilibration Time 0.25 min
Minimum Temperature 350 °C
Minimum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 2
Solvent A Volume 4 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 2
Solvent B Volume 4 µL
Sample Washes 1
Sample Wash Volume 8 µL
Sample Pumps 4
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 1 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.5 µL

Solvent Wash Mode

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 6000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 6000 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
Helium Conservation Controlled
Mode
Heater
Pressure
Total Flow
Septum Purge Flow
Pre-Run Flow Test
Gas Saver
Split Ratio
Split Flow
Liner

Off
Split
On 250 °C
On 17.5 psi
On 44.958 mL/min
On 3 mL/min
Off
On 20 mL/min after 3 min
50 :1
41.136 mL/min
A Liner has not been selected.

Back SS Inlet He
Helium Conservation Controlled
Mode
Heater
Pressure
Total Flow
Septum Purge Flow
Pre-Run Flow Test
Gas Saver
Split Ratio
Split Flow
Liner

Off
Split
On 250 °C
On 8.5 psi
On 74.698 mL/min
On 3 mL/min
Off
Off
50 :1
70.292 mL/min
A Liner has not been selected.

Column
Column #1
Flow
Setpoint
(Initial)
Post Run

On
0.82271 mL/min
1 mL/min

Column Information	Agilent 19091S-602
Description	HP-1MS
Temperature Range	-60 °C-325 °C (350 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm (Calibrated)
Heater	Oven
Column lock	Unlocked
Out	Front SS Inlet He
(Initial)	MSD
Pressure	280 °C
Flow	17.5 psi
Average Velocity	0.82271 mL/min
Holdup Time	55.81 cm/sec
Control Mode	0.37329 min
	Constant Flow

Column #2	
Pressure	On
Setpoint	8.5 psi
(Initial)	2.8778 psi
Post Run	

Column Information	Agilent 19091S-913
Temperature Range	-60 °C-325 °C (350 °C)
Dimensions	15 m x 320 µm x 0.25 µm (Calibrated)
Heater	Oven
Column lock	Unlocked
In	Back SS Inlet He
Out	Back Detector FID
(Initial)	280 °C
Pressure	8.5 psi
Flow	1.4058 mL/min
Average Velocity	41.363 cm/sec
Holdup Time	0.6044 min
Control Mode	Constant Pressure

Column Outlet Pressure	0 psi
Back Detector FID	
Makeup	He
Heater	On 300 °C
H2 Flow	Off
Air Flow	Off
Makeup Flow	Off
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	Off
Blank Evaluation Setpoints	
Perform Blank Evaluation Test	Off

Helium Conservation	
Helium Valve	Off
Nitrogen Valve	Off

Detector Evaluation	
Perform Detector Evaluation Test	Off

MSD Transfer Line	
Temperature	
Setpoint	On
(Initial)	280 °C

Signals
Signal #1:

Description	None
Signal #2: Description	None
Signal #3: Description	None
Signal #4: Description	None
Signal #5: Description	None
Signal #6: Description	None
Signal #7: Description	None
Signal #8: Description	None

TUNE PARAMETERS for SN: US2246MS10

Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
29.720	:	REPELLER	
90.331	:	IONFOCUS	
20.181	:	ENTRANCE_LENS	
883.721	:	EMVOLTS	
			913.2 : Actual EMV
			1.00 : GAIN FACTOR
3335.000	:	AMUGAIN	
132.750	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
13.233	:	ENTLENSOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
421.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

DATA ANALYSIS PARAMETERS

Method Name: D:\MassHunter\GCMS\1\methods\ASMS280ISO.M

Percent Report Settings

Sort By: Signal

Output Destination

Screen: No
Printer: Yes
File: No

Integration Events: AutoIntegrate

Generate Report During Run Method: No

Signal Correlation Window: 0.020

Qualitative Report Settings

Peak Location of Unknown: Apex

Library to Search	Minimum Quality
Q:\Instrument Libraries\Current\TBI_DRUG.L	0
Q:\Instrument Libraries\Current\SWGDRUG 3.12.L	0
Q:\Instrument Libraries\Current\CaymanSpectralLibrary.L	

Integration Events: AutoIntegrate

Report Type: Summary

Output Destination

Screen: No
Printer: Yes
File: No

Generate Report During Run Method: No

Quantitative Report Settings

Report Type: Summary

Output Destination

Screen: Yes

Printer: No

File: No

Generate Report During Run Method: No

Calibration Last Updated:

Reference Window: 10.00 Percent

Non-Reference Window: 5.00 Percent

Correlation Window: 0.02 minutes

Default Multiplier: 1.00

Default Sample Concentration: 0.00

Compound Information

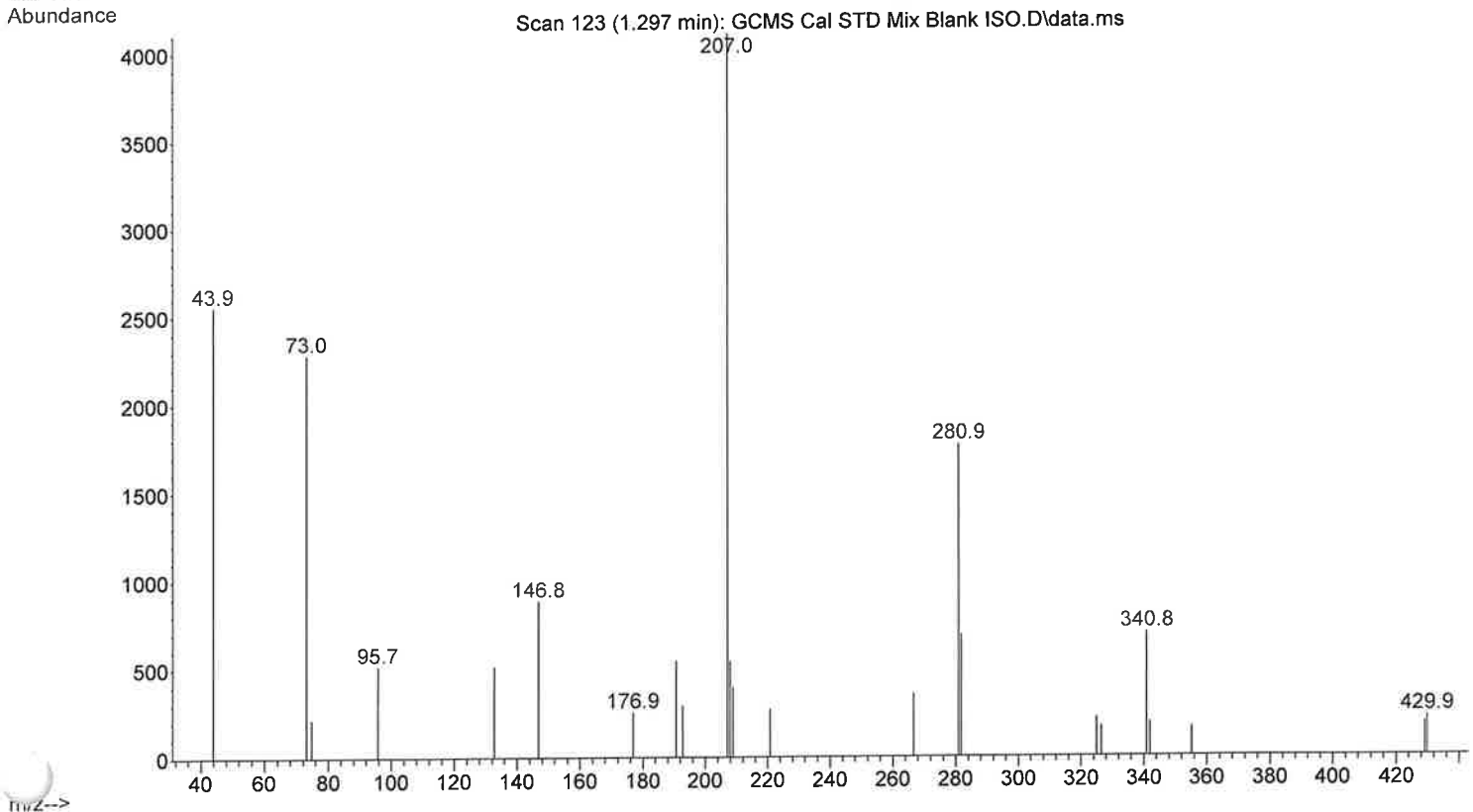
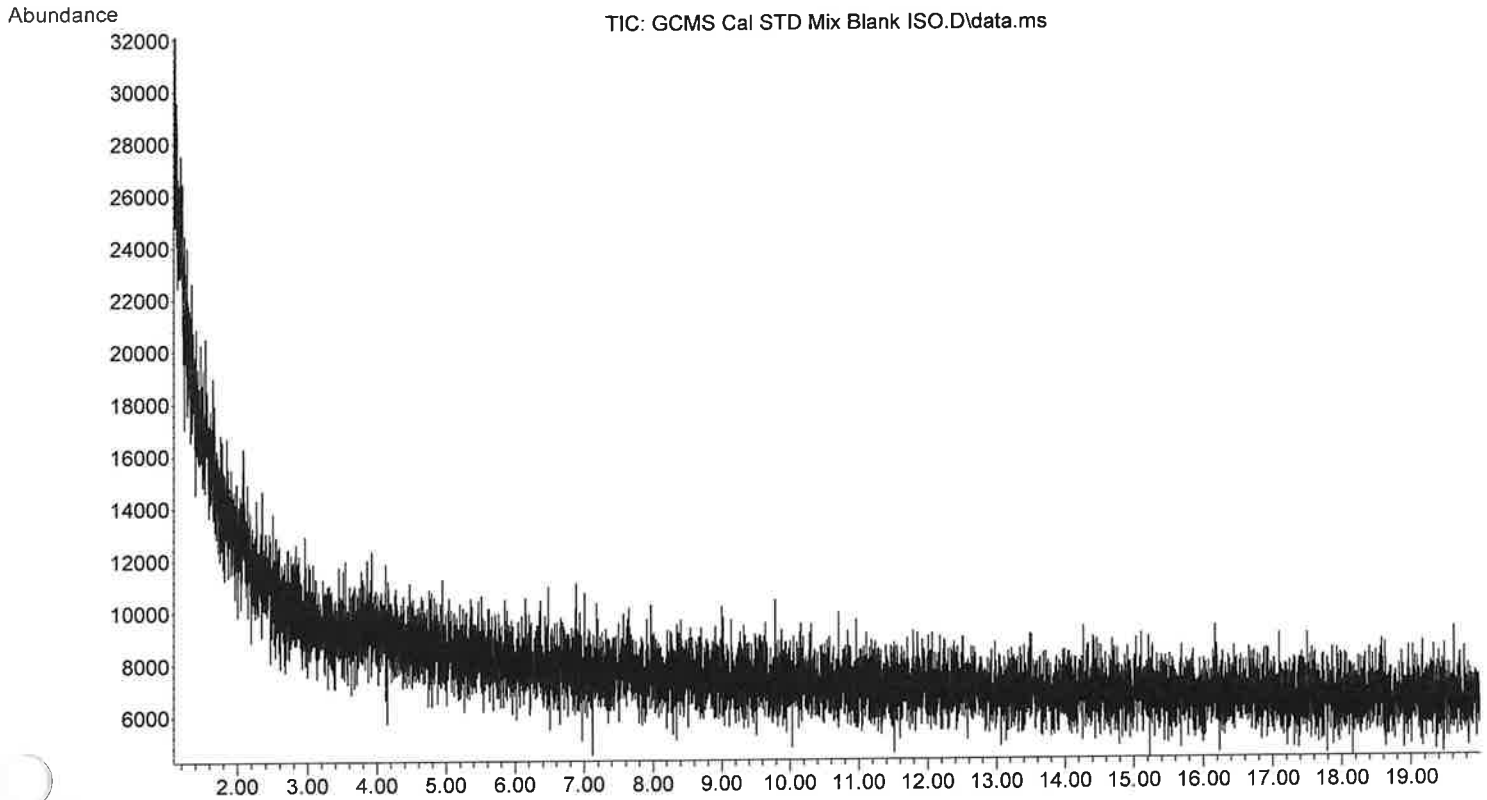
*** Empty Quantitation Database ***

END OF DATA ANALYSIS PARAMETERS

Tue Apr 04 07:39:49 2023

ll

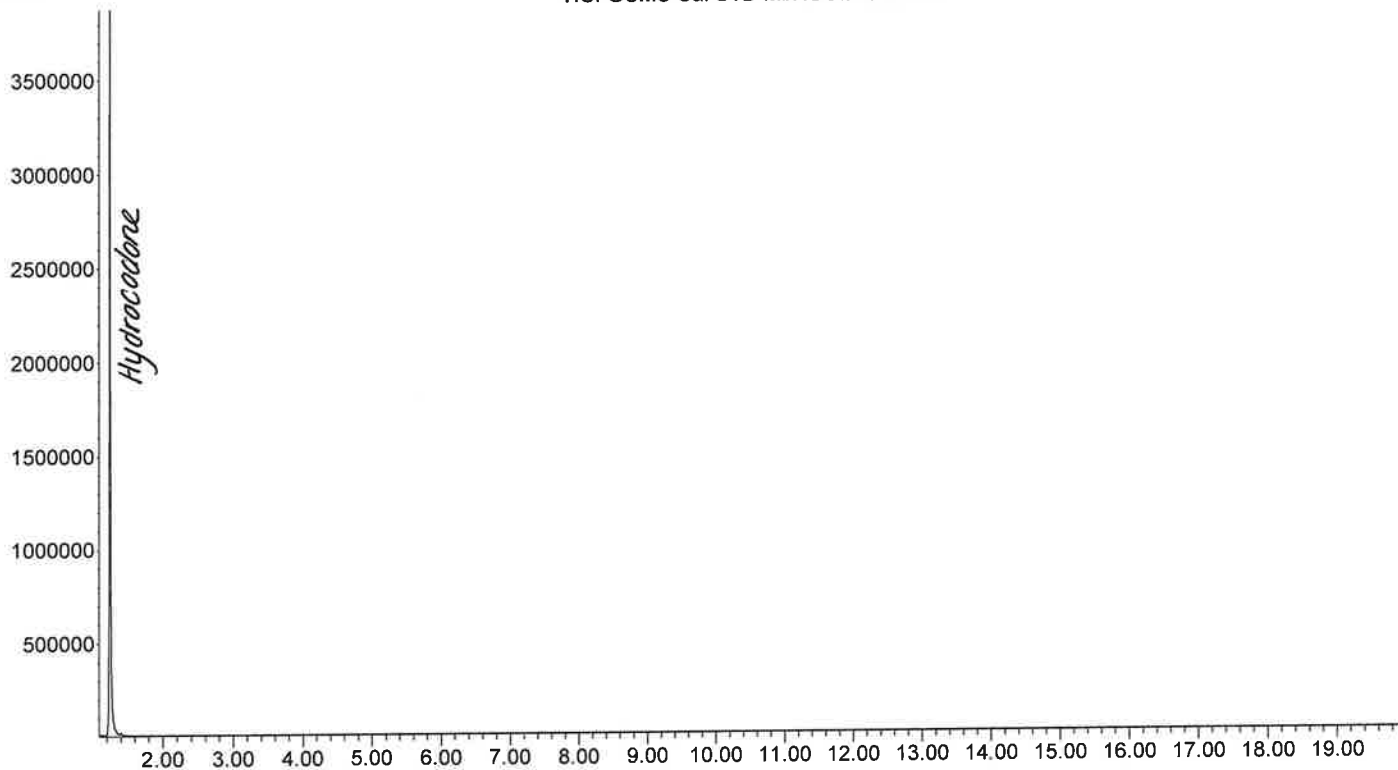
File :X:\2023\IB\04-12-23\GCMS Cal STD Mix Blank ISO.D
Operator :
Acquired : 13 Apr 2023 14:23 using AcqMethod ASMS280ISO.M
Instrument : Stringbean
Sample Name: GCMS Cal STD Mix Blank ISO
Misc Info : MEOH
Vi umber: 2



File :X:\2023\IB\04-12-23\GCMS Cal STD Mix ISO.D
Operator :
Acquired : 13 Apr 2023 14:45 using AcqMethod ASMS280ISO.M
Instrument : Stringbean
Sample Name: GCMS Cal STD Mix ISO
Misc Info : MEOH, Exp.03-20-24
Vial Number: 3

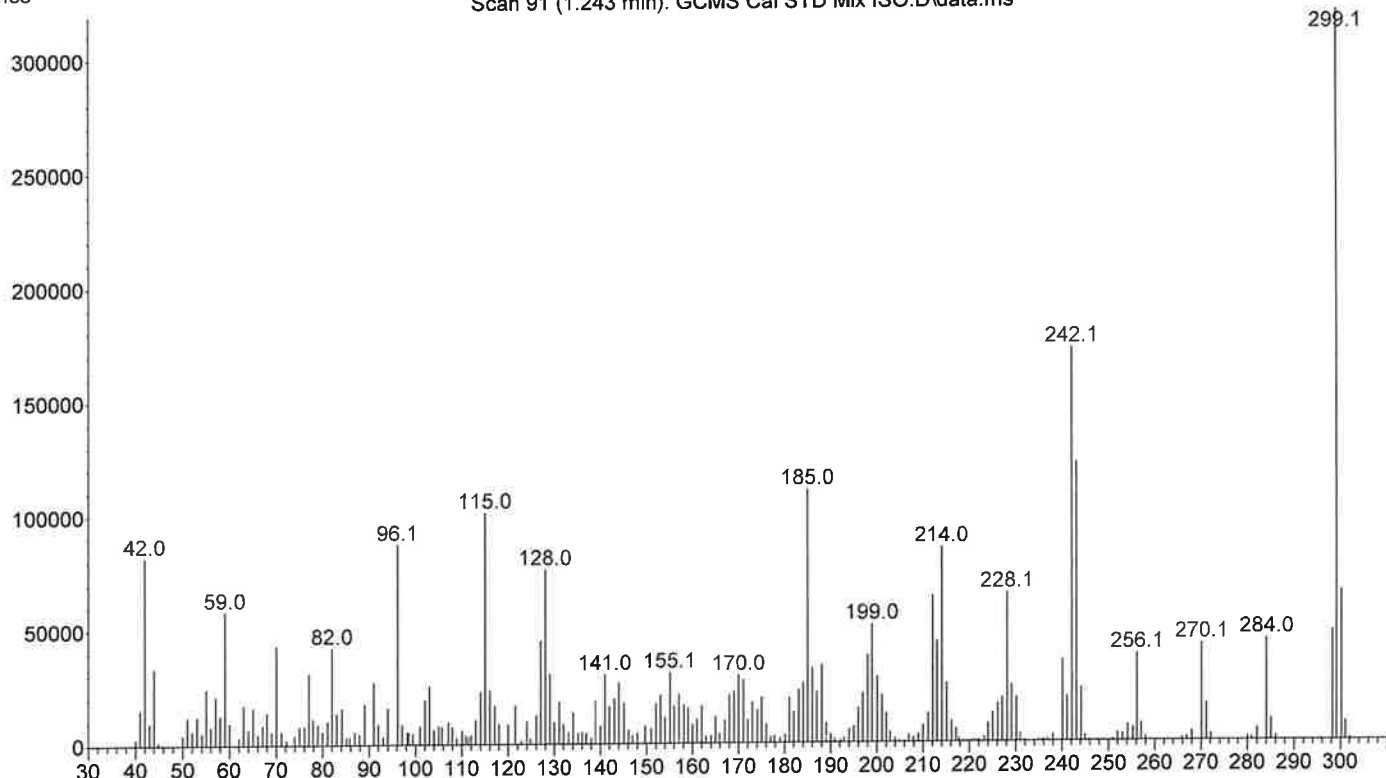
Abundance

TIC: GCMS Cal STD Mix ISO.D\data.ms



Abundance

Scan 91 (1.243 min): GCMS Cal STD Mix ISO.D\data.ms

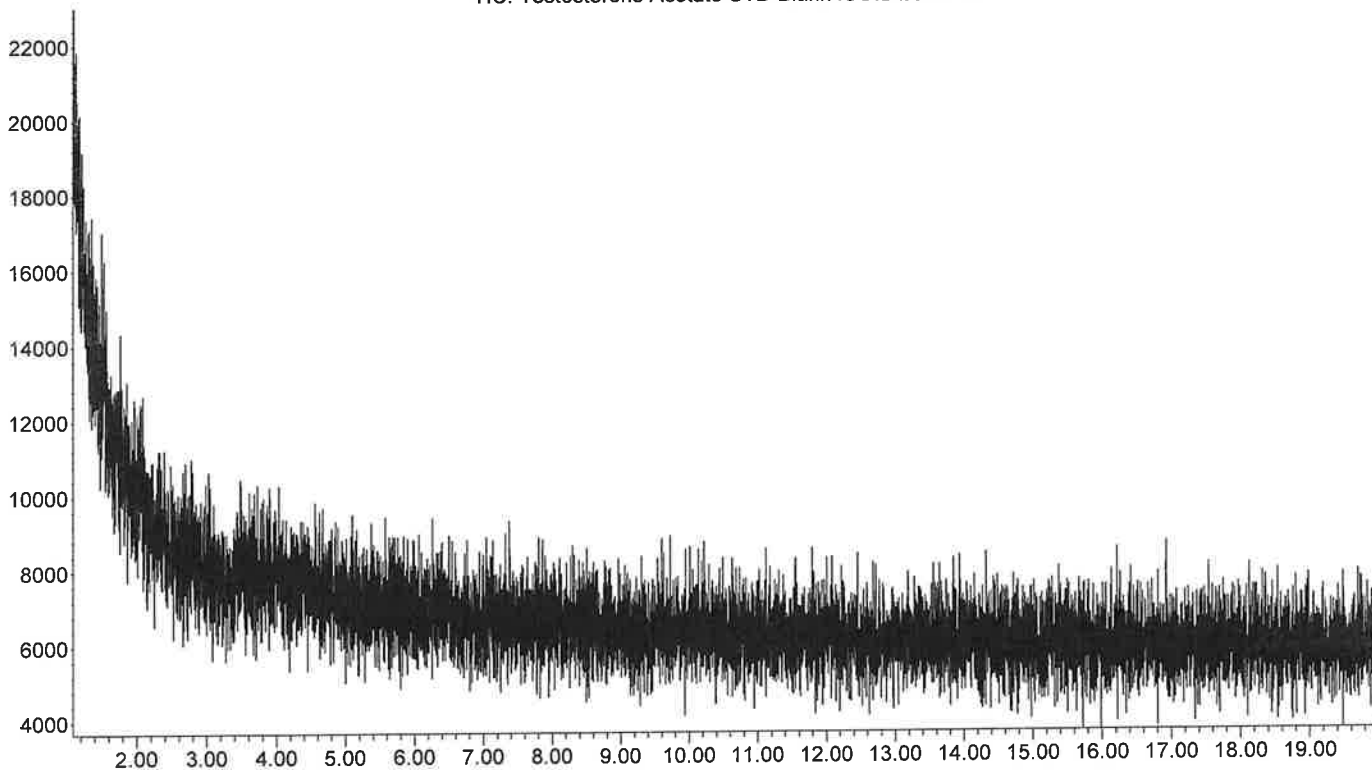


Elb

File :X:\2023\IB\04-12-23\Testosterone Acetate STD Blank ISO.D
Operator :
Acquired : 13 Apr 2023 15:30 using AcqMethod ASMS280ISO.M
Instrument : Stringbean
Sample Name: Testosterone Acetate STD Blank ISO
Misc Info : MEOH
Vi umber: 8

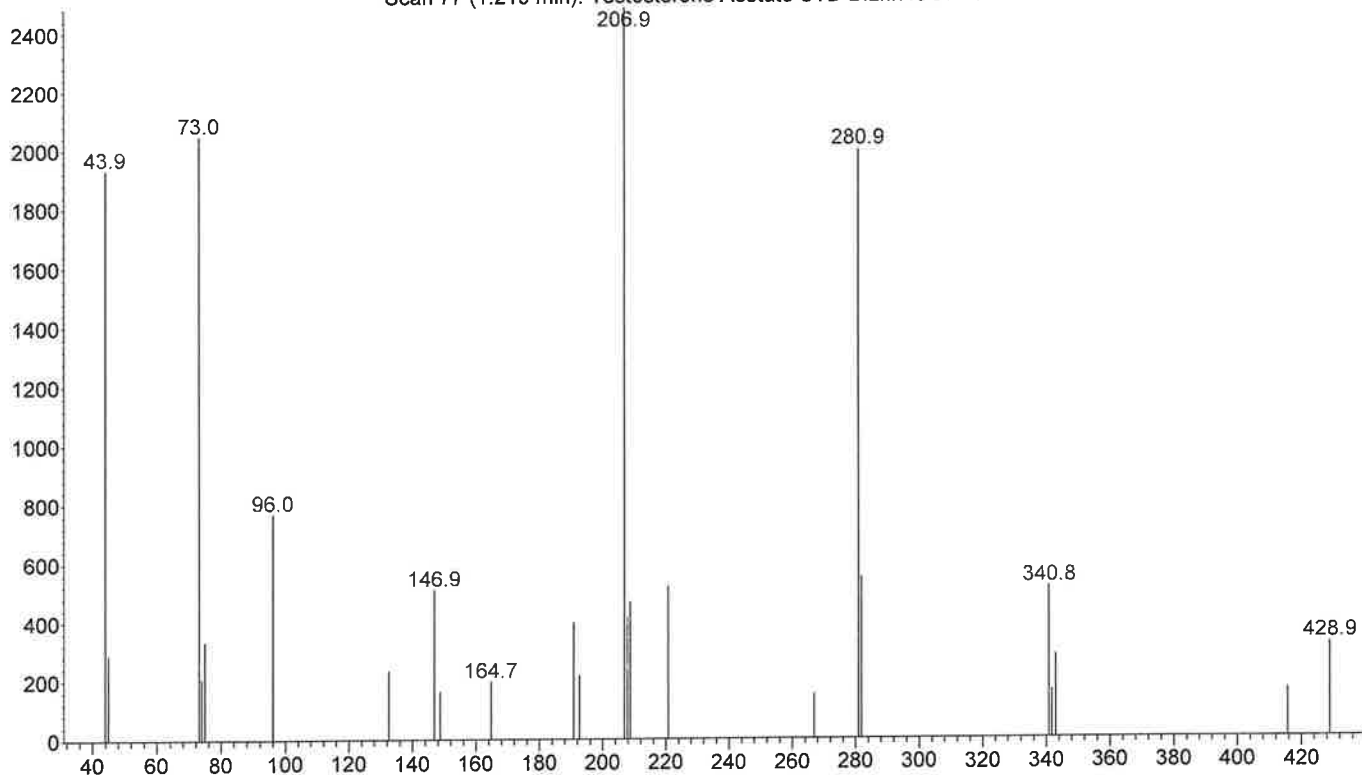
Abundance

TIC: Testosterone Acetate STD Blank ISO.D\data.ms



Abundance

Scan 77 (1.219 min): Testosterone Acetate STD Blank ISO.D\data.ms

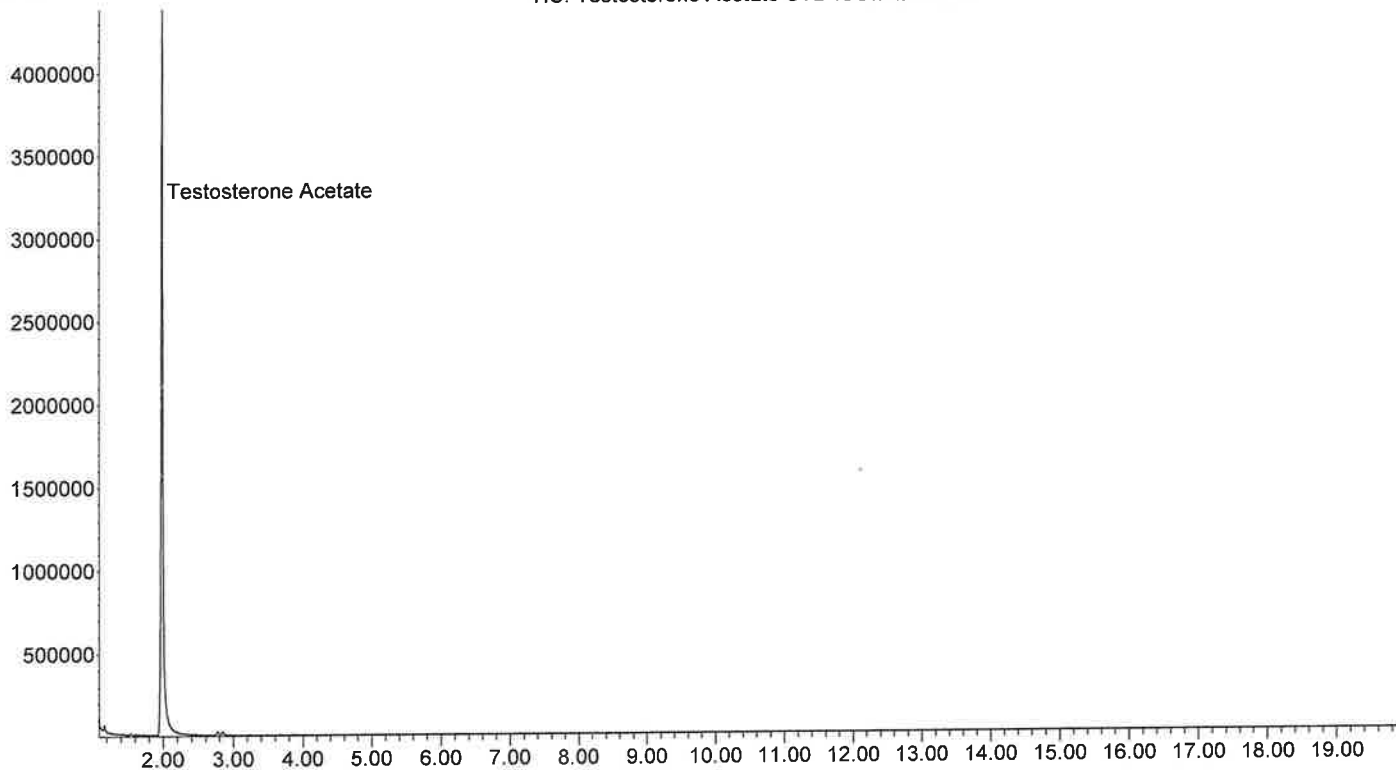


File :X:\2023\IB\04-12-23\Testosterone Acetate STD ISO.D
Operator :
Acquired : 13 Apr 2023 15:53 using AcqMethod ASMS280ISO.M
Instrument : Stringbean
Sample Name: Testosterone Acetate STD ISO
Misc Info : MEOH, Sigma, Lot19F0299, Exp.02-06-24
Vial Number: 9

Ch

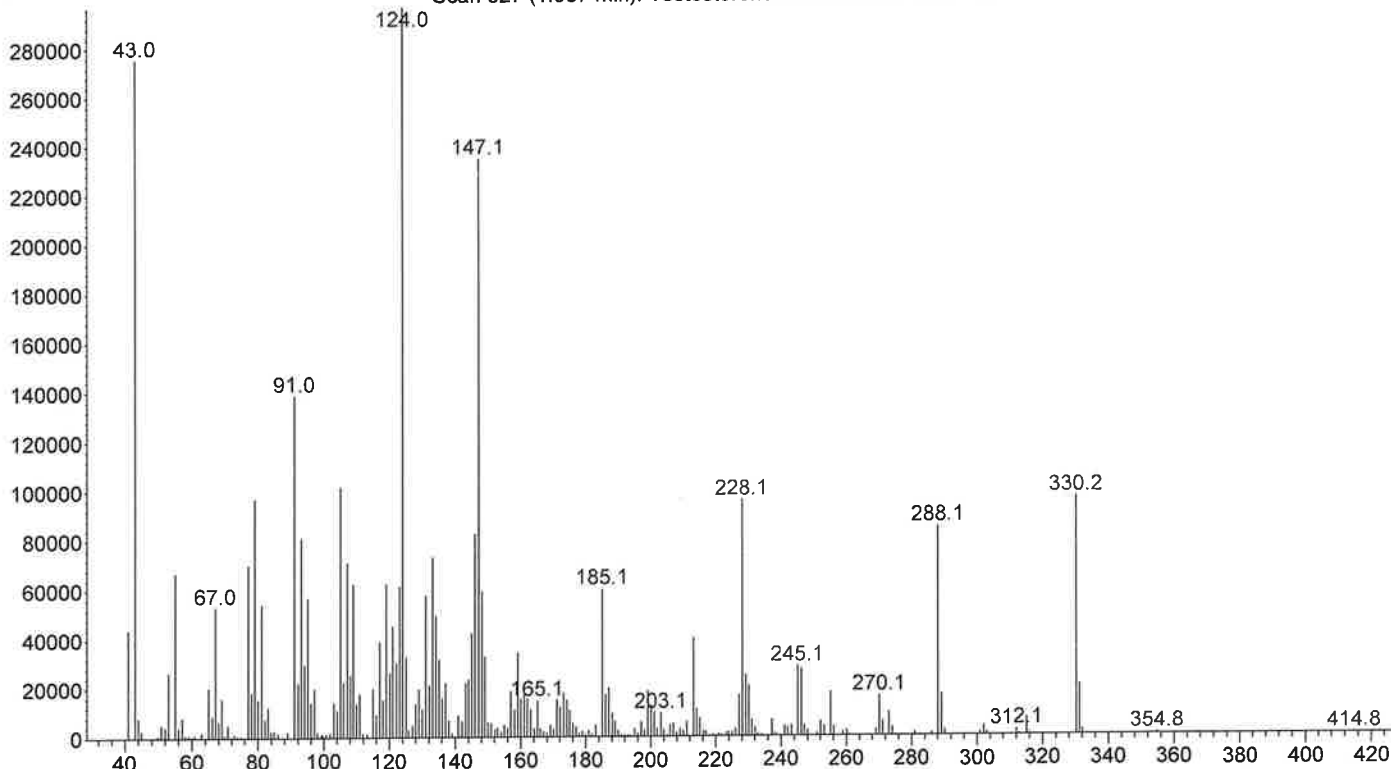
Abundance

TIC: Testosterone Acetate STD ISO.D\data.ms



Abundance

Scan 527 (1.987 min): Testosterone Acetate STD ISO.D\data.ms

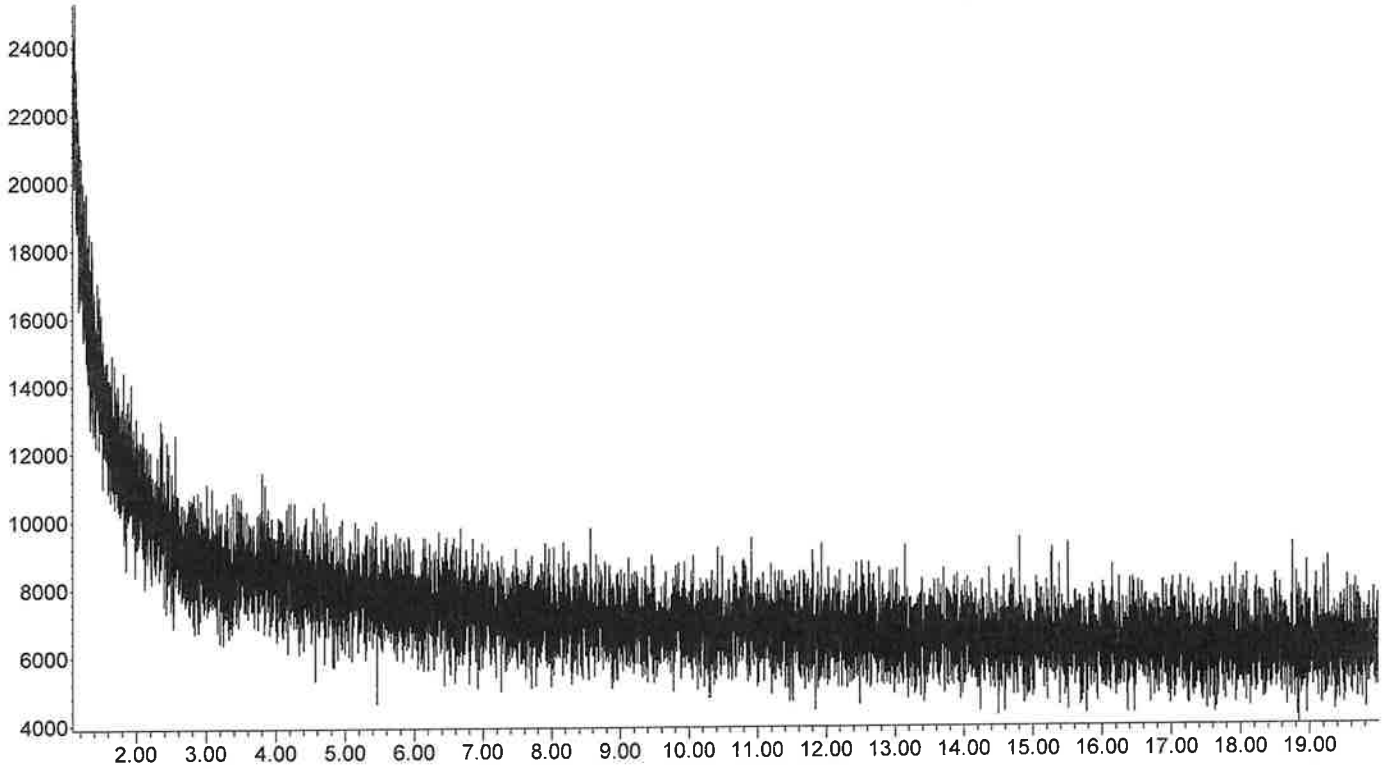


File :X:\2023\IB\04-12-23\Testosterone Benzoate STD Blank ISO.D
Operator :
Acquired : 13 Apr 2023 16:38 using AcqMethod ASMS280ISO.M
Instrument : Stringbean
Sample Name: Testosterone Benzoate STD Blank ISO
Misc Info : MEOH
Vi: umber: 14

alt

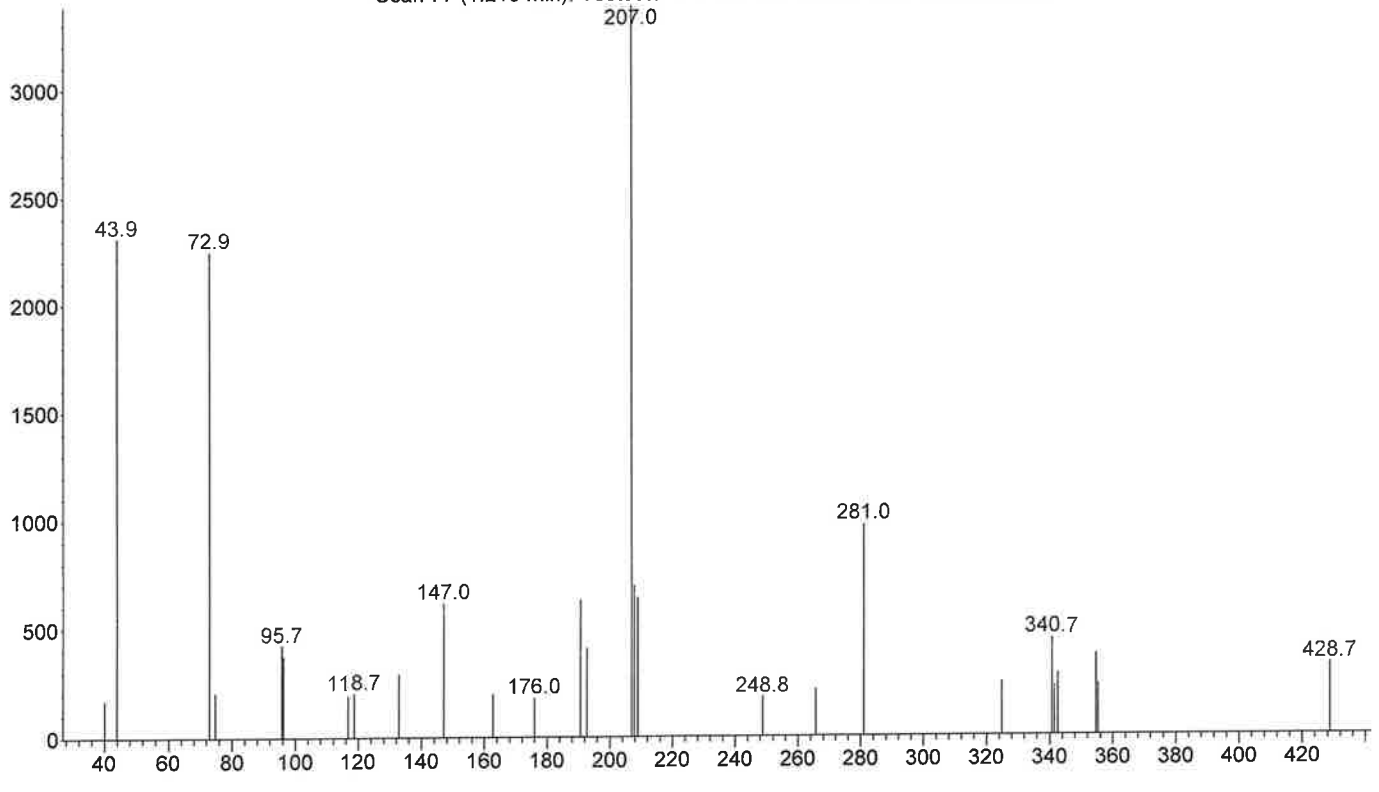
Abundance

TIC: Testosterone Benzoate STD Blank ISO.D\data.ms



Time-->
Abundance

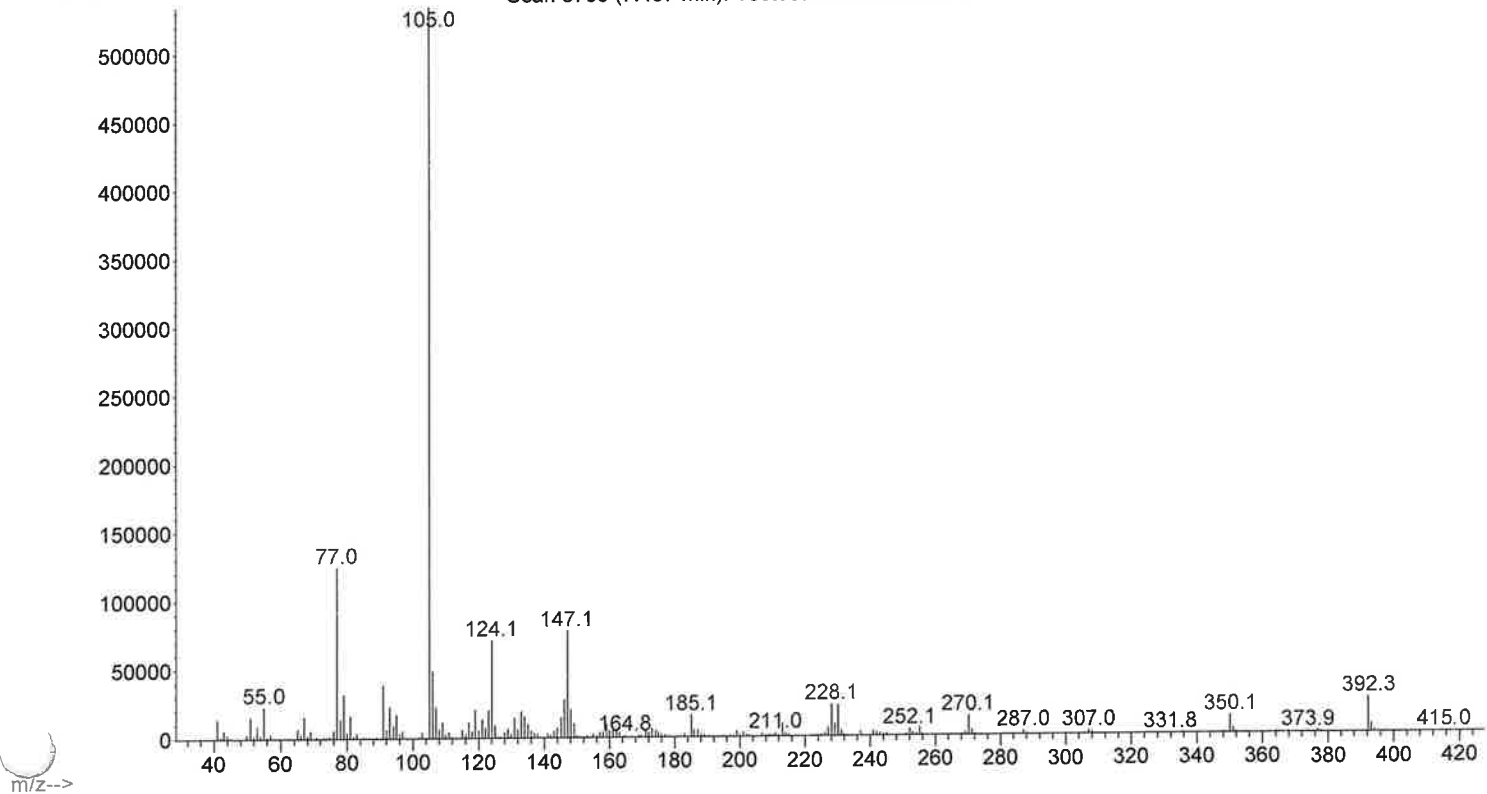
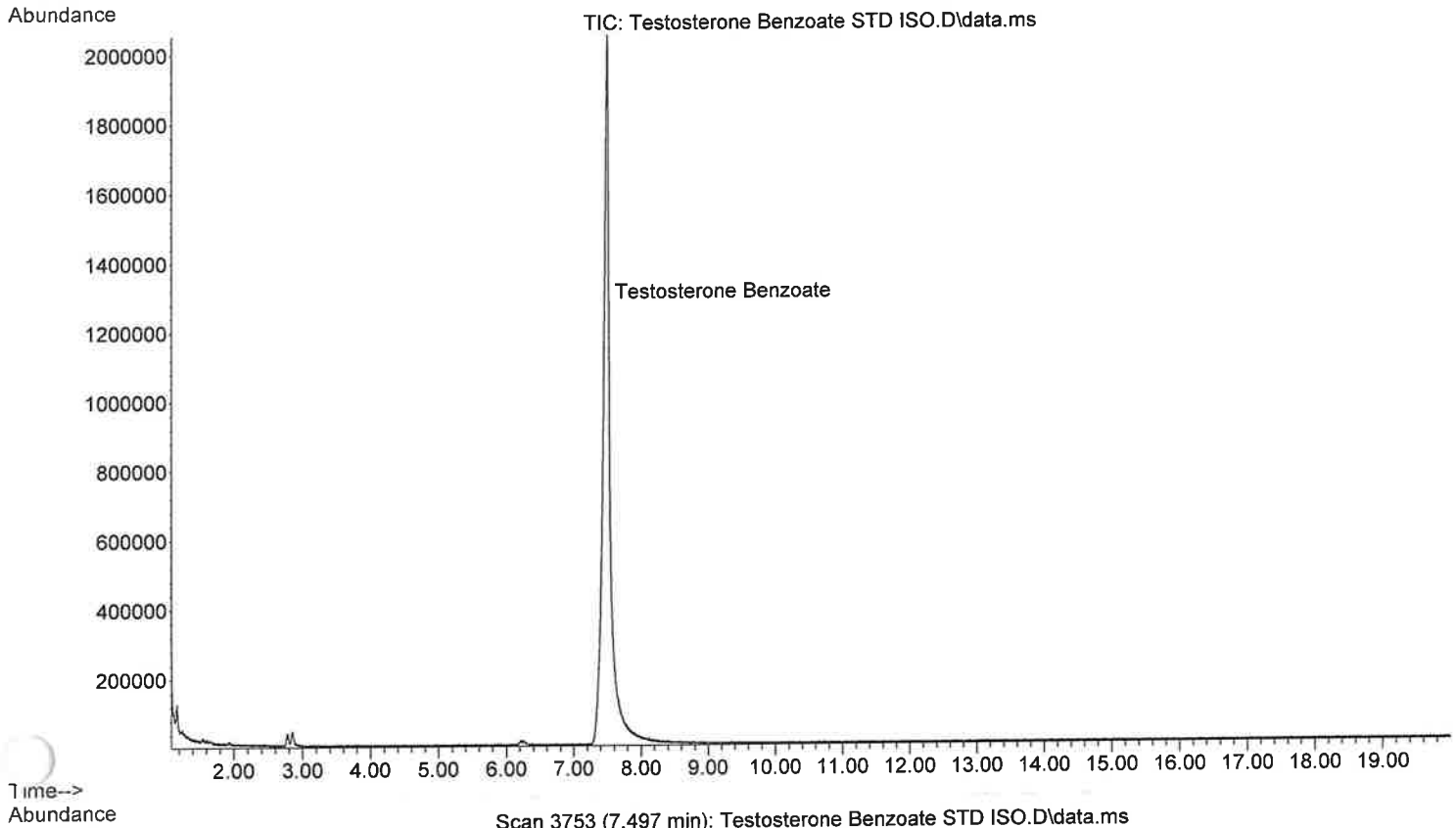
Scan 77 (1.219 min): Testosterone Benzoate STD Blank ISO.D\data.ms



m/z-->

File :X:\2023\IB\04-12-23\Testosterone Benzoate STD ISO.D
Operator :
Acquired : 13 Apr 2023 17:00 using AcqMethod ASMS280ISO.M
Instrument : Stringbean
Sample Name: Testosterone Benzoate STD ISO
Misc Info : ME0H,Sigma,Lot49F0246,Exp.02-10-24
Vial Number: 15

906



METHOD CONTROL PARAMETERS

Method Information for: D:\MassHunter\GCMS\1\methods\ASMS100TR.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:

This is an autosample MS 100-280 / 6 minute method.

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	D:\MassHunter\GCMS\1\methods\ASMS100TR.M
Tune file	ATUNE.U
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.0
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 6,250 [N=0]

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	40	550

Self-Cleaning Ion Source Parameters

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

D:\MassHunter\GCMS\1\methods\ASMS100TR.M
Tue Apr 04 07:46:37 2023

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 6.0014 min
Post Run Time 0 min

Oven
Temperature
Setpoint On
(Initial) 100 °C
Hold Time 1 min
Post Run 50 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 2.43 min

Equilibration Time 0.25 min
Mn Temperature 350 °C
Minimum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 2
Solvent A Volume 4 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 2
Solvent B Volume 4 µL
Sample Washes 1
Sample Wash Volume 8 µL
Sample Pumps 4
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 1 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.5 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 6000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 6000 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
Helium Conservation Controlled
Mode
Heater
Pressure
Total Flow
Septum Purge Flow
Pre-Run Flow Test
Gas Saver
Split Ratio
Split Flow
Liner

Off
Split
On 250 °C
On 8.5 psi
On 45.194 mL/min
On 3 mL/min
Off
On 20 mL/min after 3 min
50 :1
41.367 mL/min
A Liner has not been selected.

Back SS Inlet He
Helium Conservation Controlled
Mode
Heater
Pressure
Total Flow
Septum Purge Flow
Pre-Run Flow Test
Gas Saver
Split Ratio
Split Flow
Liner

Off
Split
On 250 °C
On 8.5 psi
On 141.9 mL/min
On 3 mL/min
Off
Off
50 :1
136.18 mL/min
A Liner has not been selected.

Column
Column #1
Flow
Setpoint
(Initial)
Post Run

On
0.82733 mL/min
1 mL/min

Column Information	Agilent 19091S-602
Description	HP-1MS
Temperature Range	-60 °C-325 °C (350 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm (Calibrated)
Heater	Oven
Column lock	Unlocked
Out	Front SS Inlet He
(Initial)	MSD
Pressure	100 °C
Flow	8.5 psi
Average Velocity	0.82733 mL/min
Holdup Time	52.55 cm/sec
Control Mode	0.39644 min
	Constant Flow

Column #2	
Pressure	
Setpoint	On
(Initial)	8.5 psi
Post Run	2.8778 psi

Column Information	Agilent 19091S-913
Temperature Range	-60 °C-325 °C (350 °C)
Dimensions	15 m x 320 µm x 0.25 µm (Calibrated)
Heater	Oven
Column lock	Unlocked
In	Back SS Inlet He
Out	Back Detector FID
(Initial)	100 °C
Pressure	8.5 psi
Flow	2.7236 mL/min
Average Velocity	54.059 cm/sec
Holdup Time	0.46246 min
Control Mode	Constant Pressure

Column Outlet Pressure	0 psi
Back Detector FID	
Makeup	He
Heater	On 300 °C
H2 Flow	Off
Air Flow	Off
Makeup Flow	Off
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	Off
Blank Evaluation Setpoints	
Perform Blank Evaluation Test	Off

Helium Conservation	
Helium Valve	Off
Nitrogen Valve	Off

Detector Evaluation	
Perform Detector Evaluation Test	Off

MSD Transfer Line	
Temperature	
Setpoint	On
(Initial)	280 °C

Signals
Signal #1:

Description	None
Signal #2: Description	None
Signal #3: Description	None
Signal #4: Description	None
Signal #5: Description	None
Signal #6: Description	None
Signal #7: Description	None
Signal #8: Description	None

TUNE PARAMETERS for SN: US2246MS10

Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
29.720	:	REPELLER	
90.331	:	IONFOCUS	
20.181	:	ENTRANCE_LENS	
883.721	:	EMVOLTS	
			913.2 : Actual EMV
			1.00 : GAIN FACTOR
3335.000	:	AMUGAIN	
132.750	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
13.233	:	ENTLENSOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
421.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

DATA ANALYSIS PARAMETERS

Method Name: D:\MassHunter\GCMS\1\methods\ASMS100TR.M

Percent Report Settings

Sort By: Signal

Output Destination

Screen: No

Printer: Yes

File: No

Integration Events: AutoIntegrate

Generate Report During Run Method: No

Signal Correlation Window: 0.020

Qualitative Report Settings

Peak Location of Unknown: Apex

Library to Search Minimum Quality

Q:\Instrument Libraries\Current\TBI_DRUG.L 0

Q:\Instrument Libraries\Current\SWGDRUG 3.12.L 0

Q:\Instrument Libraries\Current\CaymanSpectralLibrary.L

Integration Events: AutoIntegrate

Report Type: Summary

Output Destination

Screen: No

Printer: Yes

File: No

Generate Report During Run Method: No

Quantitative Report Settings

Report Type: Summary

Output Destination

Screen: Yes

Printer: No

File: No

Generate Report During Run Method: No

Calibration Last Updated:

Reference Window: 10.00 Percent

Non-Reference Window: 5.00 Percent

Correlation Window: 0.02 minutes

Default Multiplier: 1.00

Default Sample Concentration: 0.00

Compound Information

*** Empty Quantitation Database ***

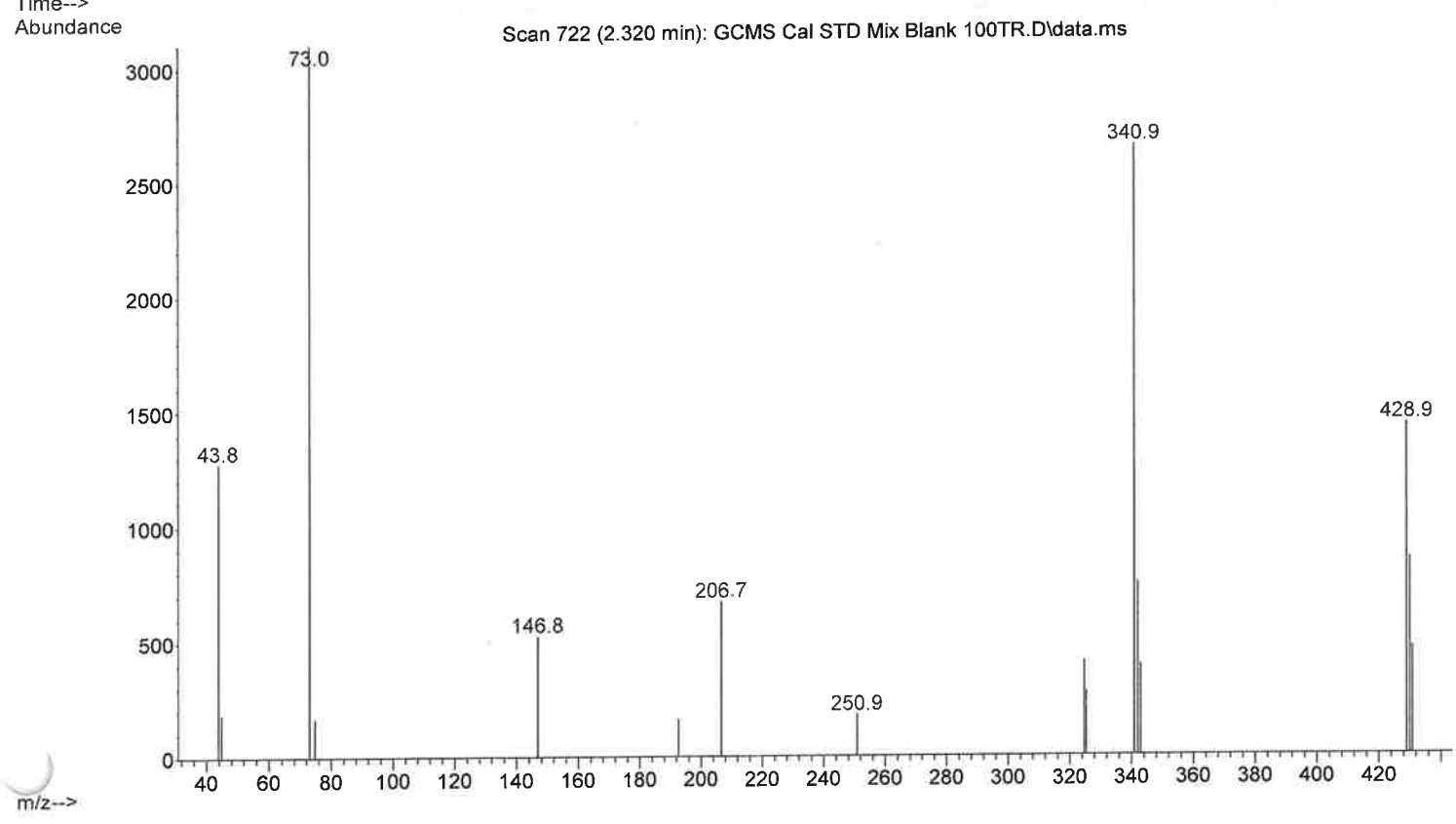
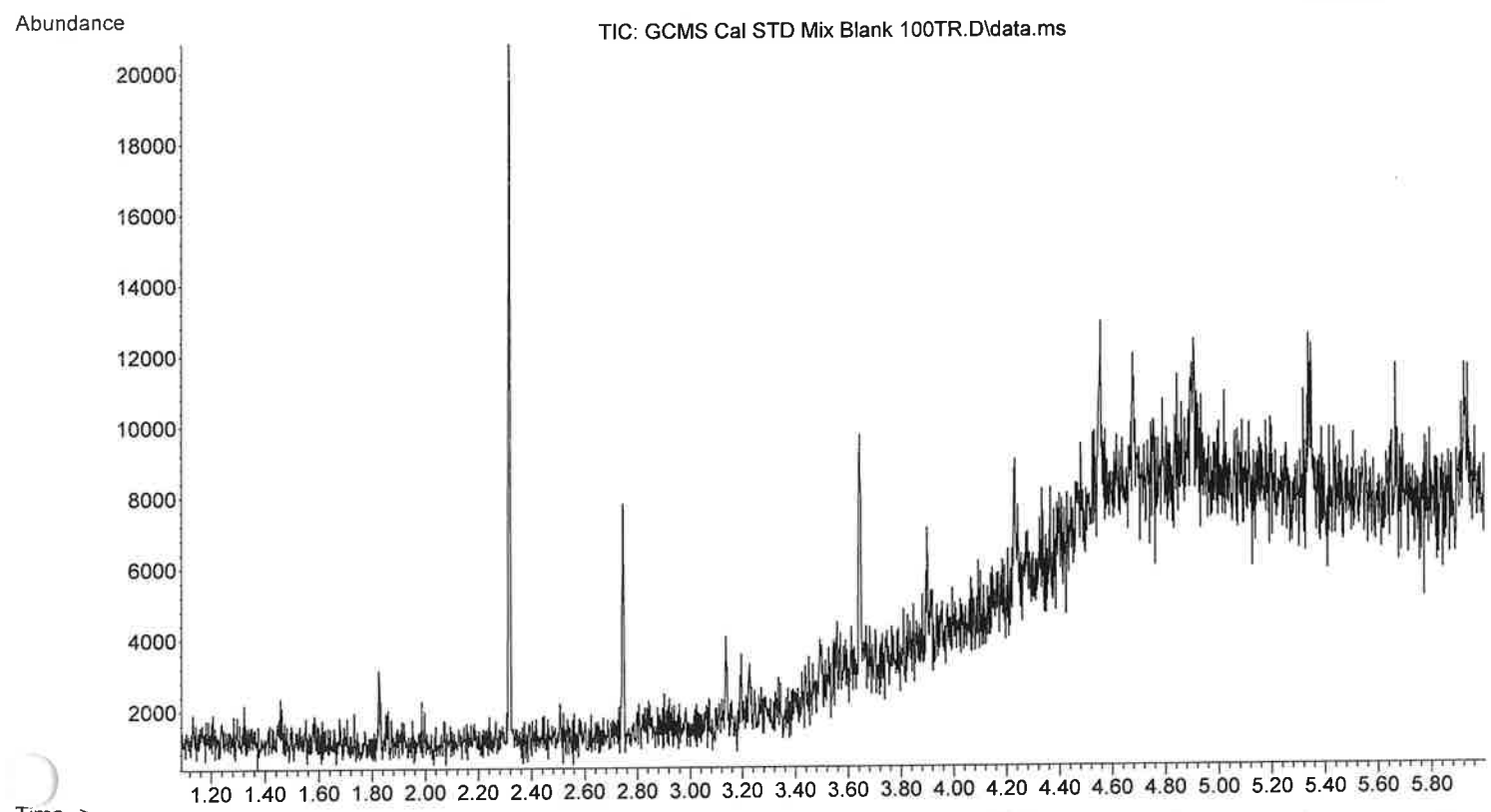
END OF DATA ANALYSIS PARAMETERS

Tue Apr 04 07:46:38 2023

all

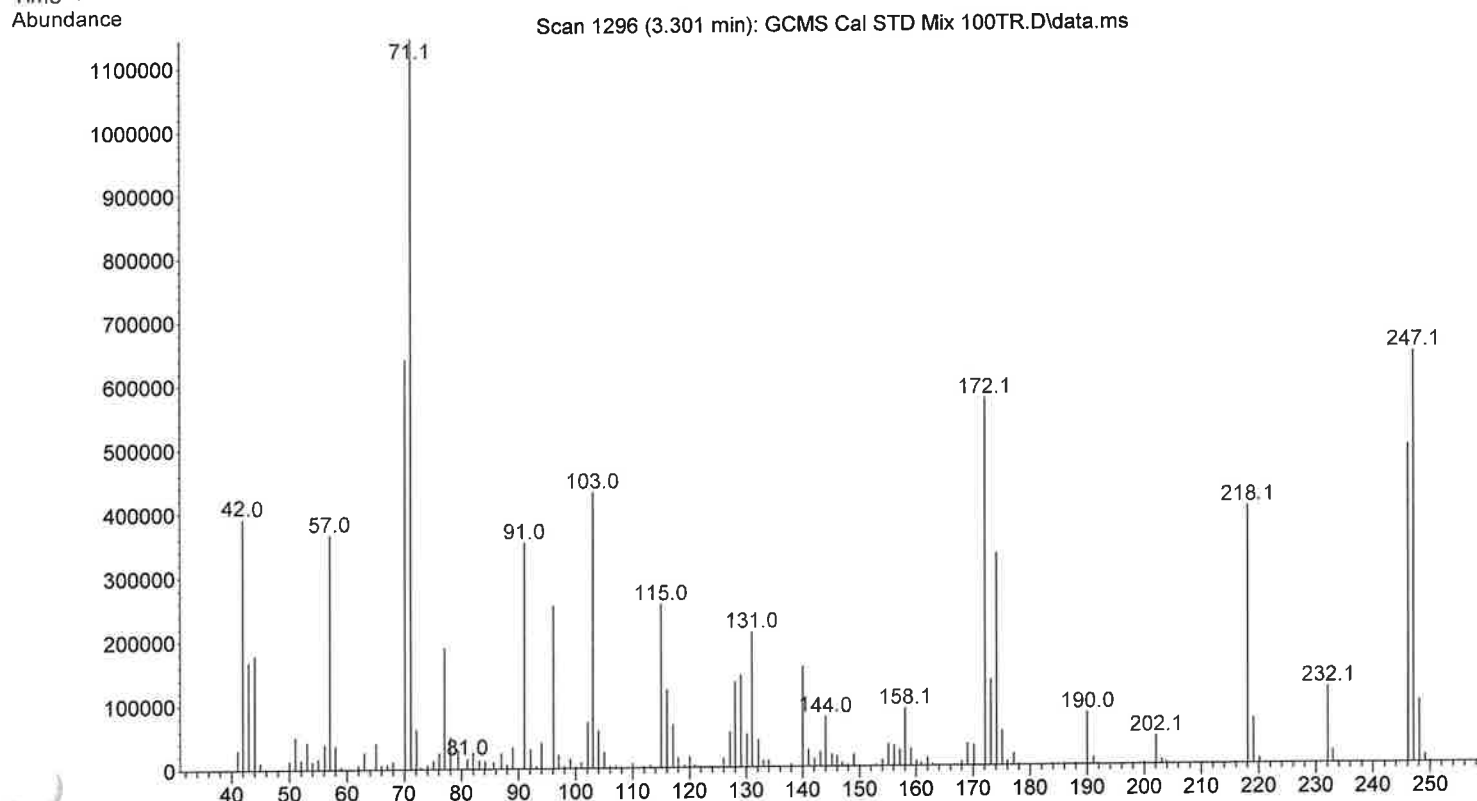
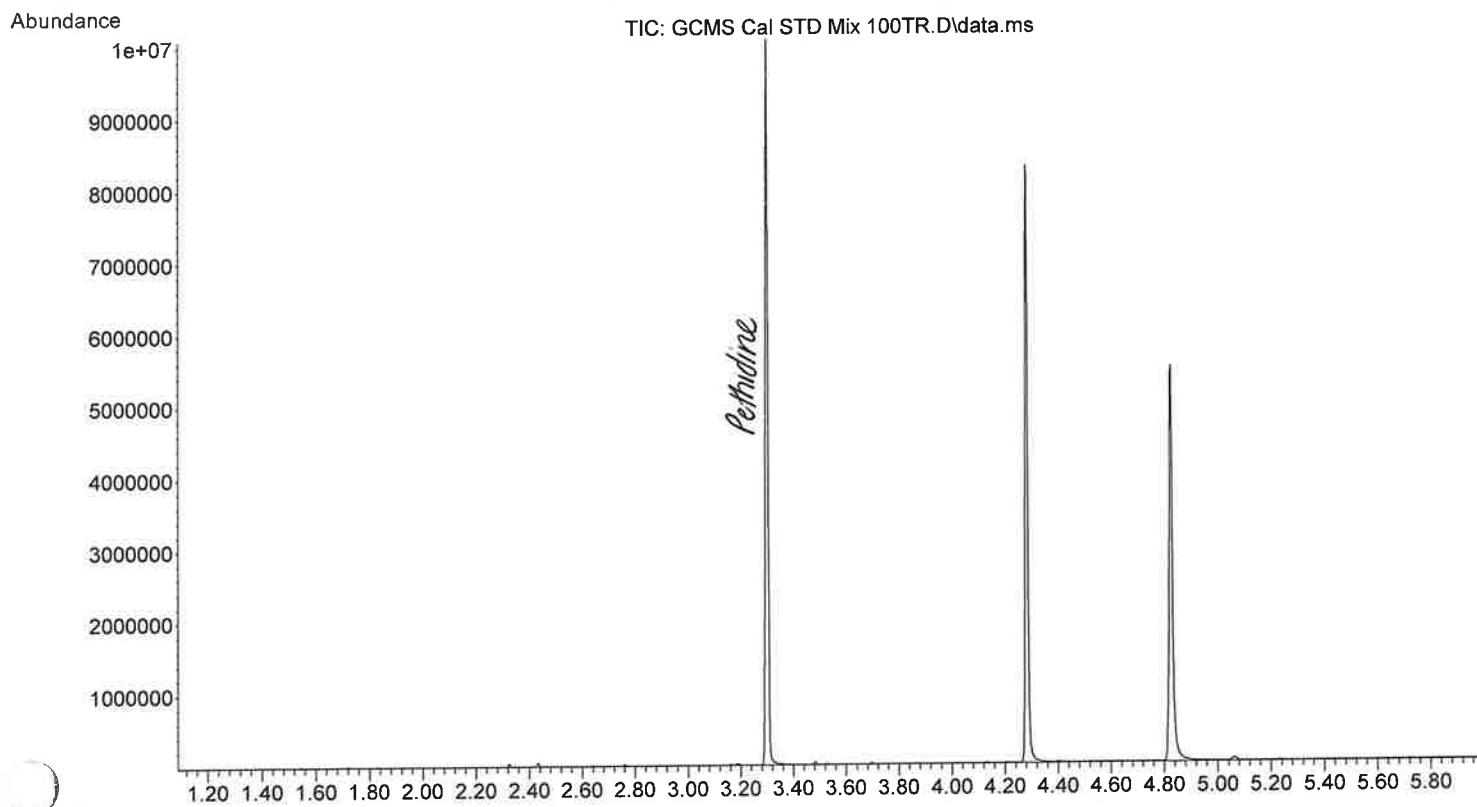
File :X:\2023\IB\04-12-23\GCMS Cal STD Mix Blank 100TR.D
Operator :
Acquired : 13 Apr 2023 17:47 using AcqMethod ASMS100TR.M
Instrument : Stringbean
Sample Name: GCMS Cal STD Mix Blank 100TR
Misc Info : MEOH
Vial Number: 2

NCSD



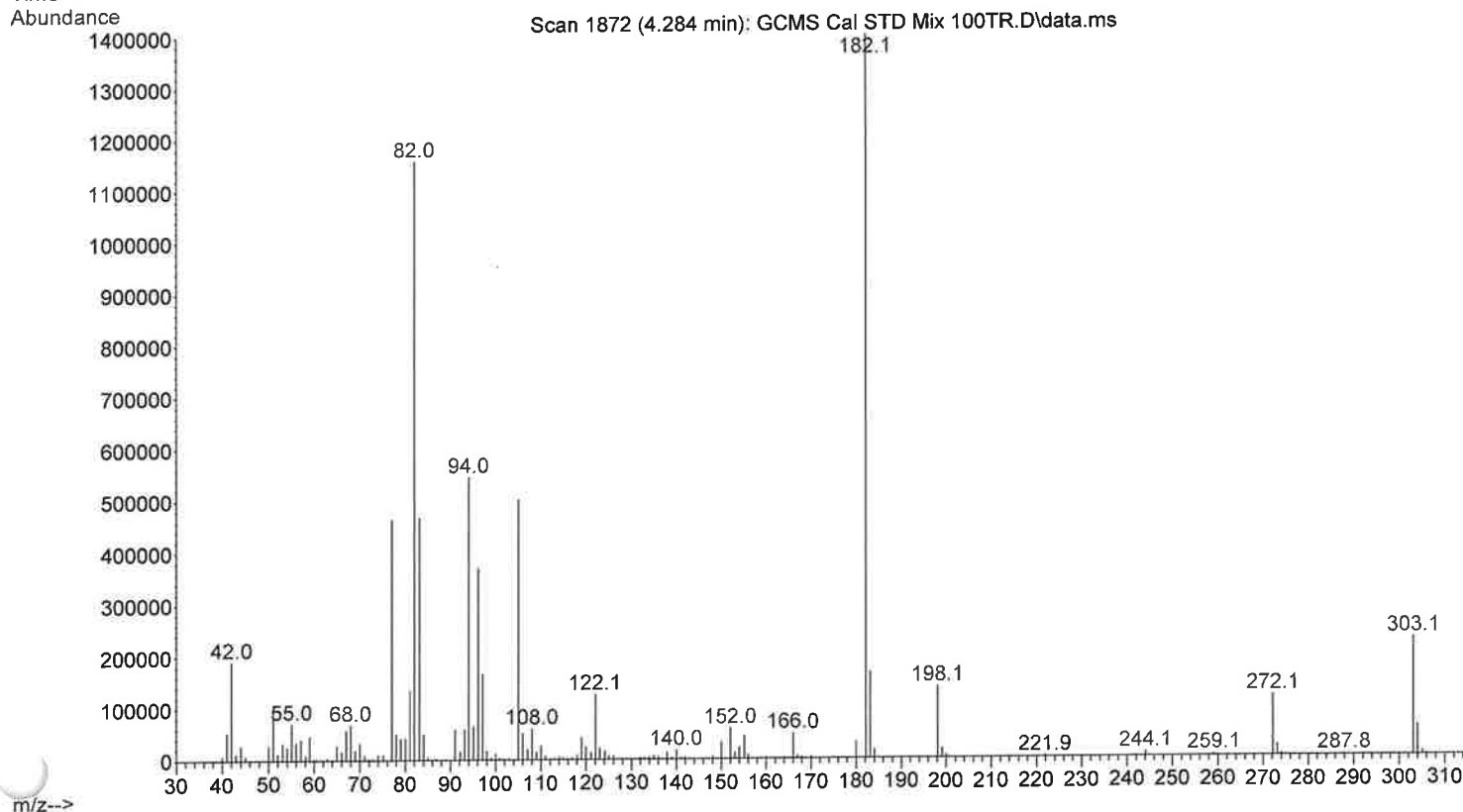
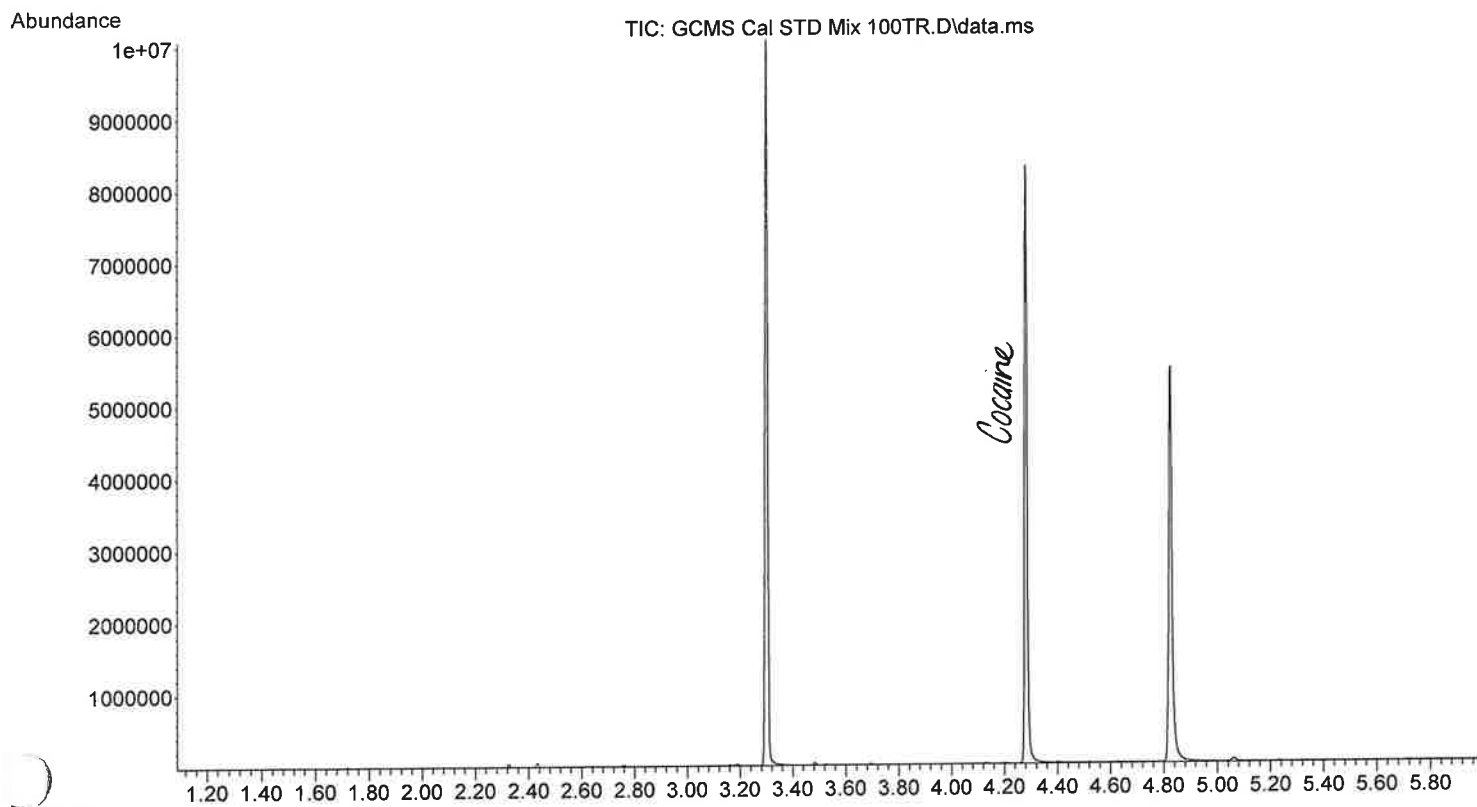
46

File :X:\2023\IB\04-12-23\GCMS Cal STD Mix 100TR.D
Operator :
Acquired : 13 Apr 2023 17:56 using AcqMethod ASMS100TR.M
Instrument : Stringbean
Sample Name: GCMS Cal STD Mix 100TR
Misc Info : MEOH, Exp.03-20-24
Vi. Number: 3



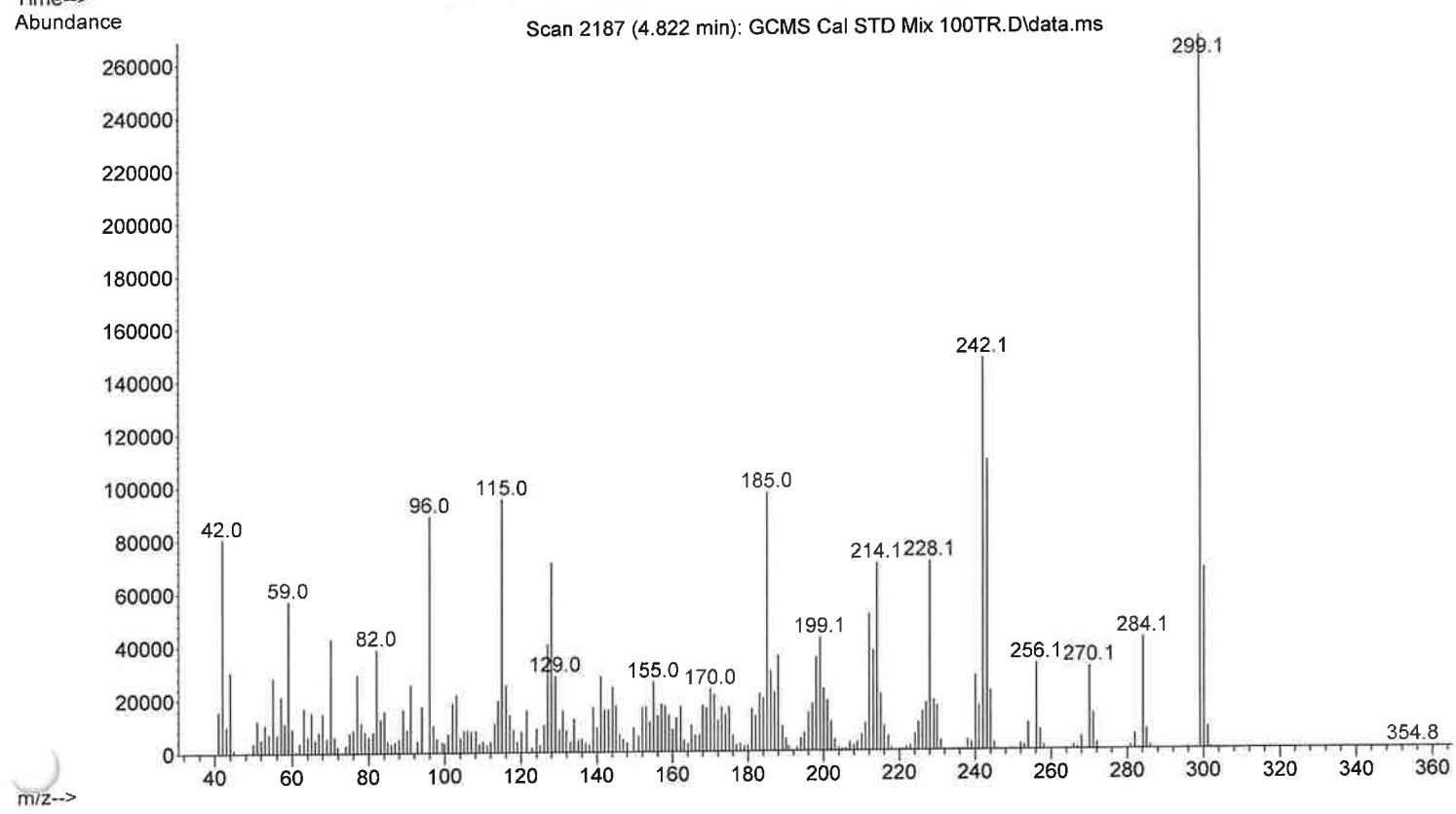
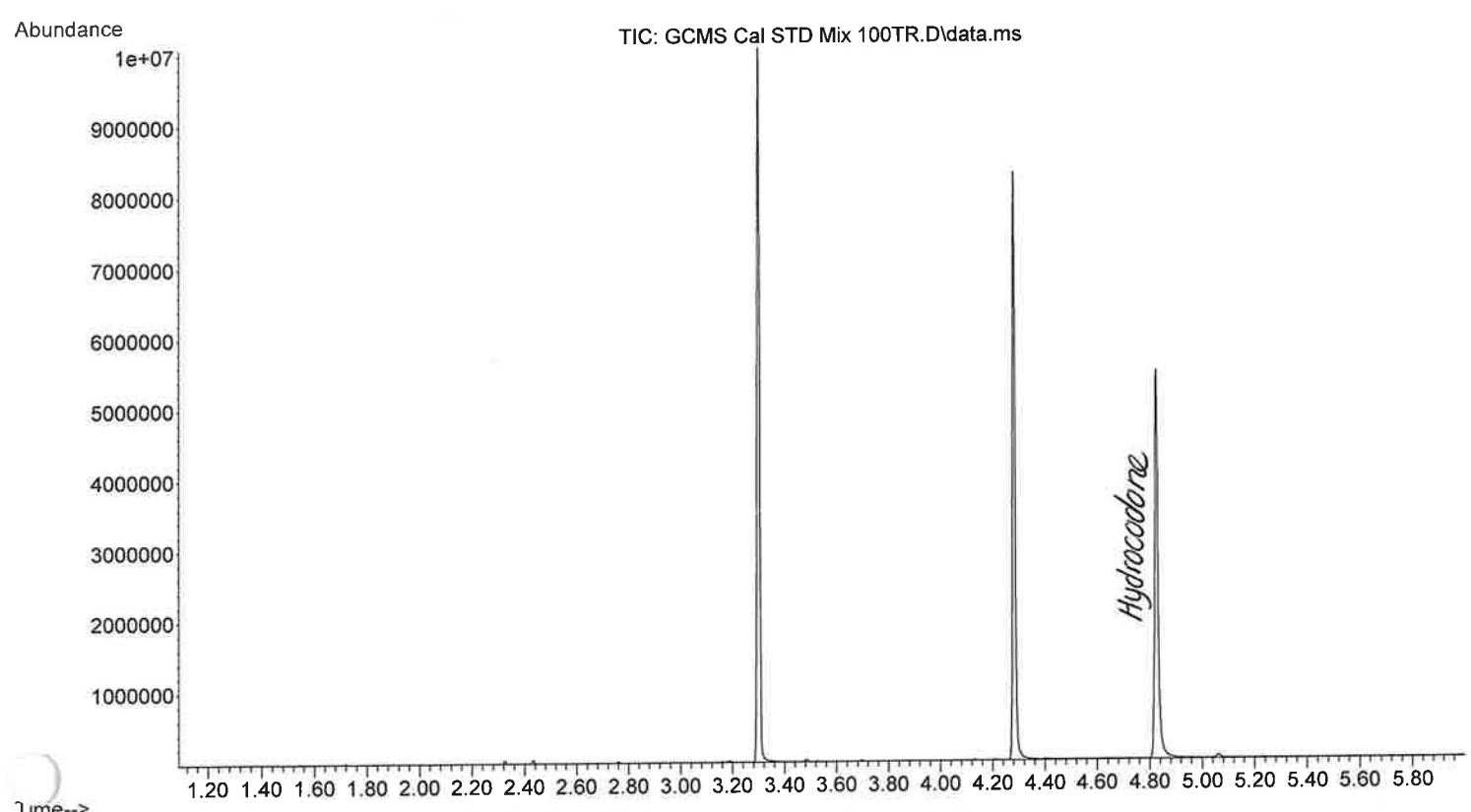
File :X:\2023\IB\04-12-23\GCMS Cal STD Mix 100TR.D
Operator :
Acquired : 13 Apr 2023 17:56 using AcqMethod ASMS100TR.M
Instrument : Stringbean
Sample Name: GCMS Cal STD Mix 100TR
Misc Info : MEOH, Exp.03-20-24
Vial Number: 3

405



4/5

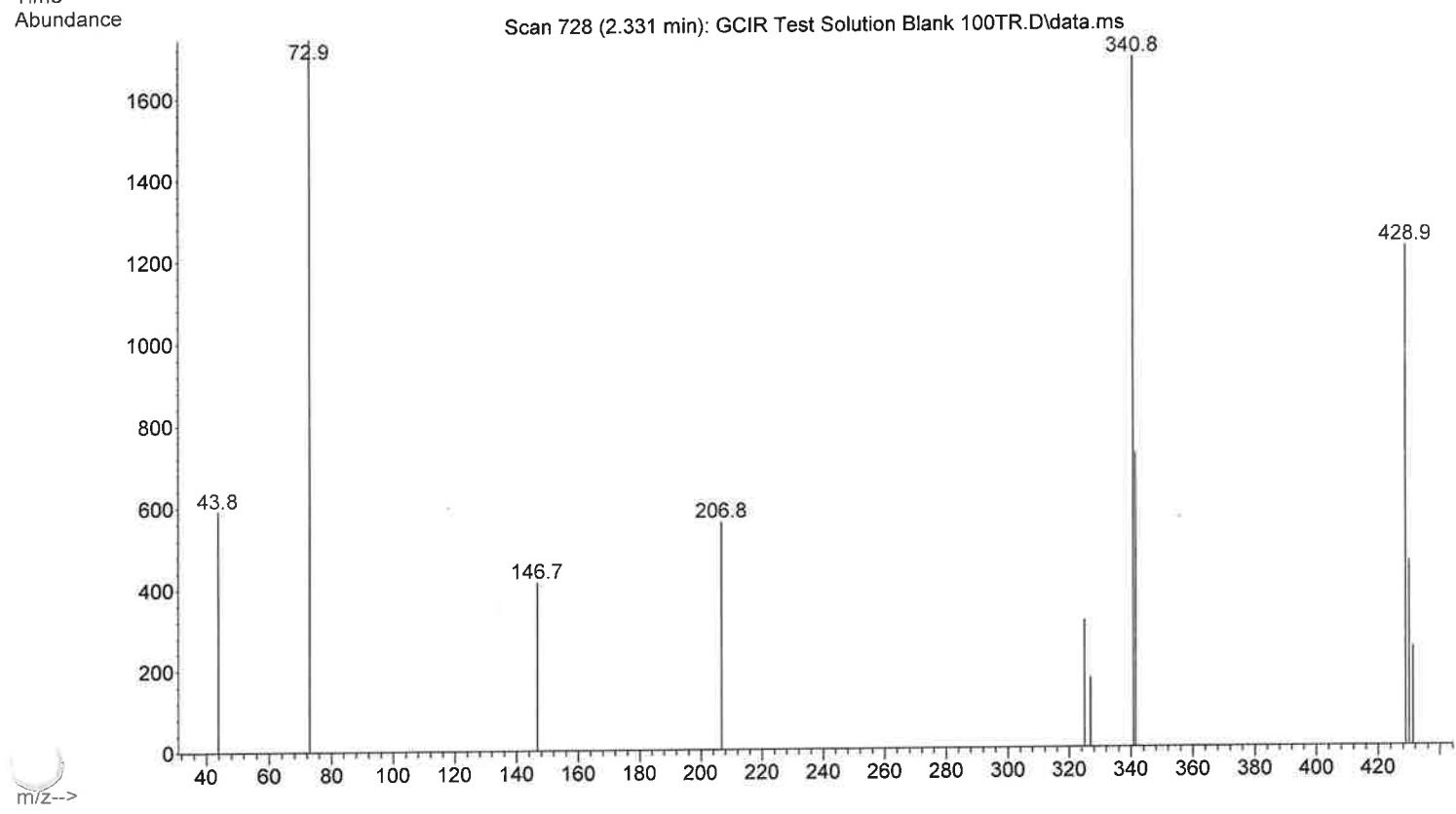
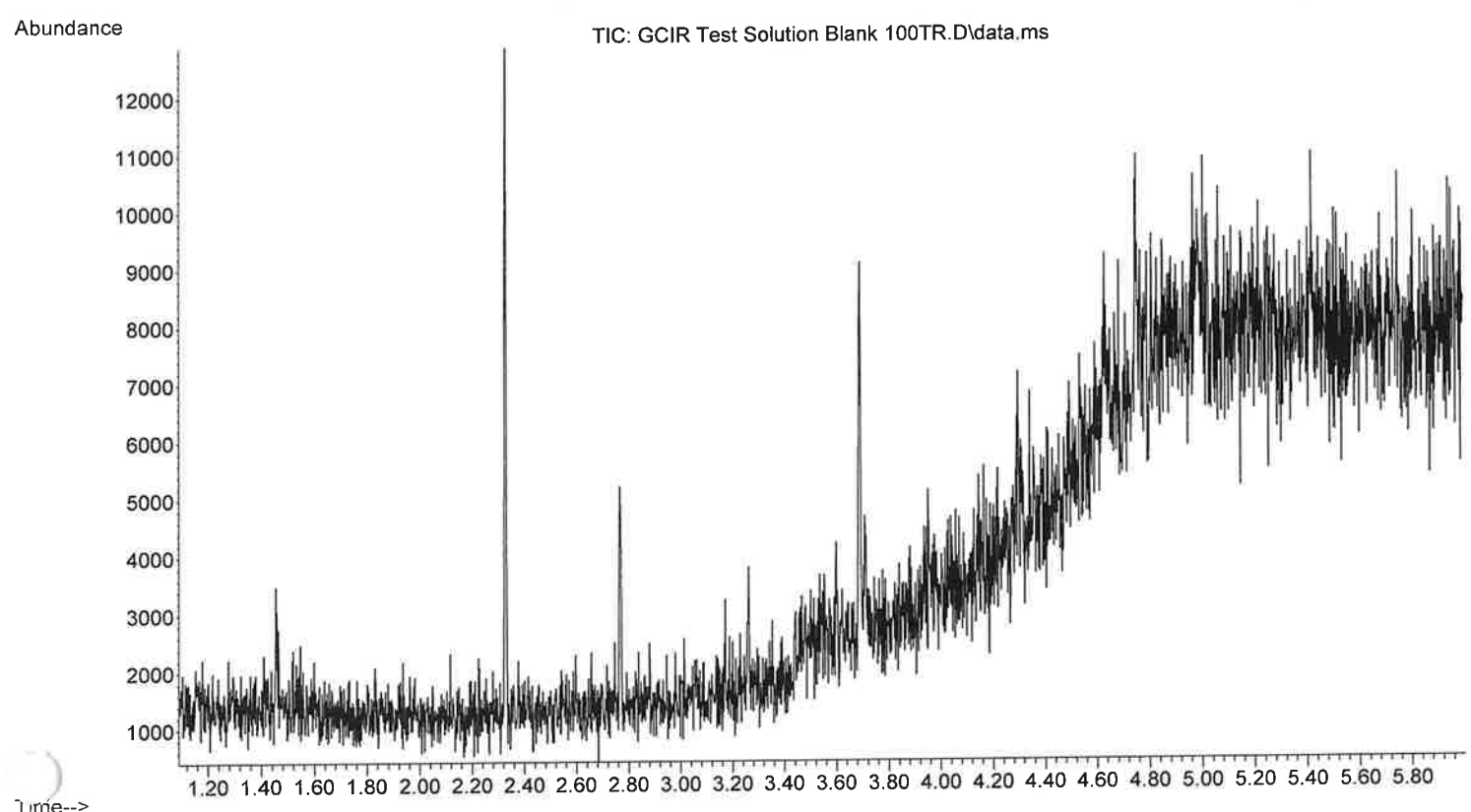
File :X:\2023\IB\04-12-23\GCMS Cal STD Mix 100TR.D
Operator :
Acquired : 13 Apr 2023 17:56 using AcqMethod ASMS100TR.M
Instrument : Stringbean
Sample Name: GCMS Cal STD Mix 100TR
Misc Info : MEOH, Exp.03-20-24
Vial Number: 3



Off

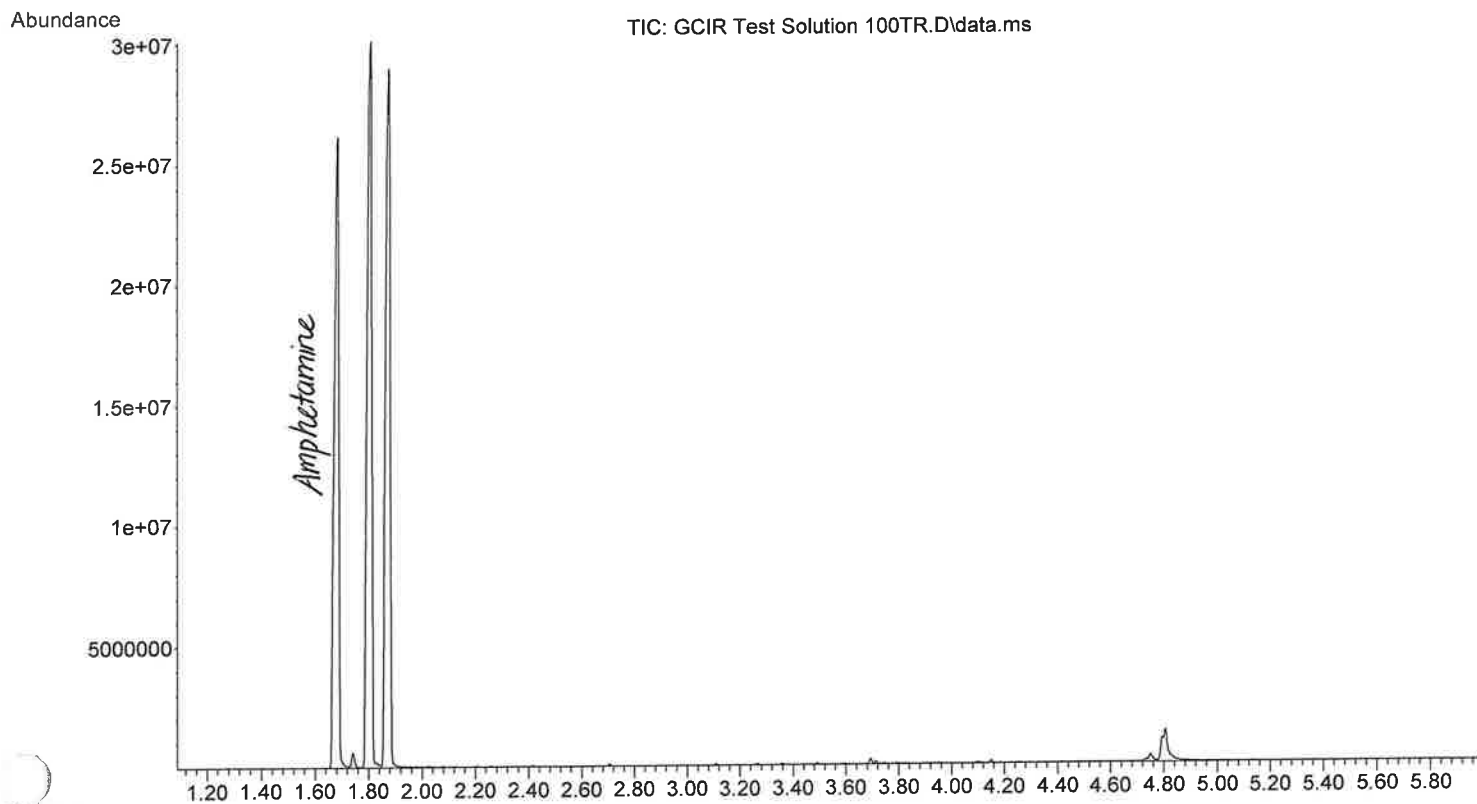
File :X:\2023\IB\04-12-23\GCIR Test Solution Blank 100TR.D
Operator :
Acquired : 13 Apr 2023 18:13 using AcqMethod ASMS100TR.M
Instrument : Stringbean
Sample Name: GCIR Test Solution Blank 100TR
Misc Info : MEOH
Vial Number: 4

NCSD

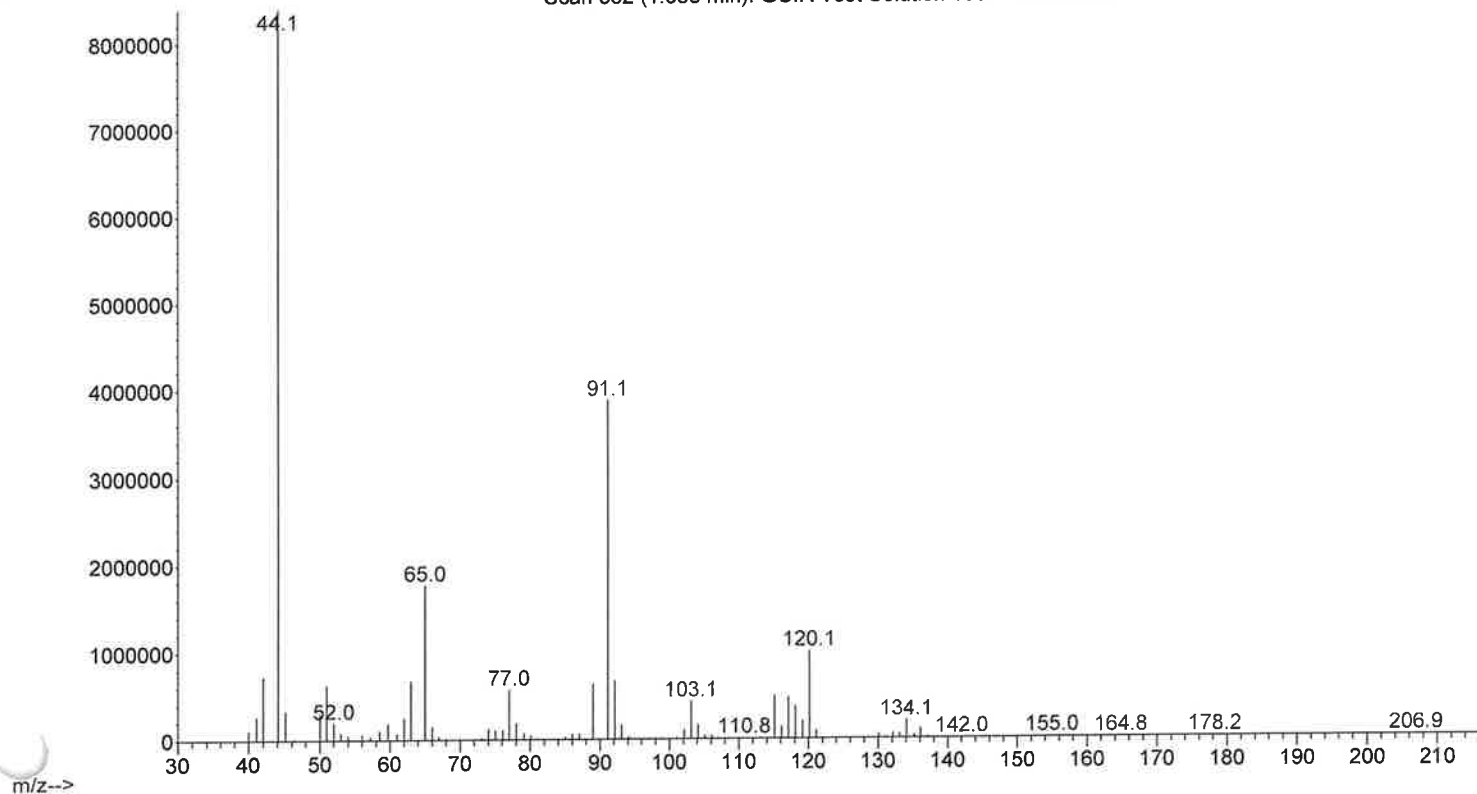


File :X:\2023\IB\04-12-23\GCIR Test Solution 100TR.D
Operator :
Acquired : 13 Apr 2023 18:22 using AcqMethod ASMS100TR.M
Instrument : Stringbean
Sample Name: GCIR Test Solution 100TR
Misc Info : 0.5N NaOH/CHCL3, Exp.02-23-24
Vial Number: 5

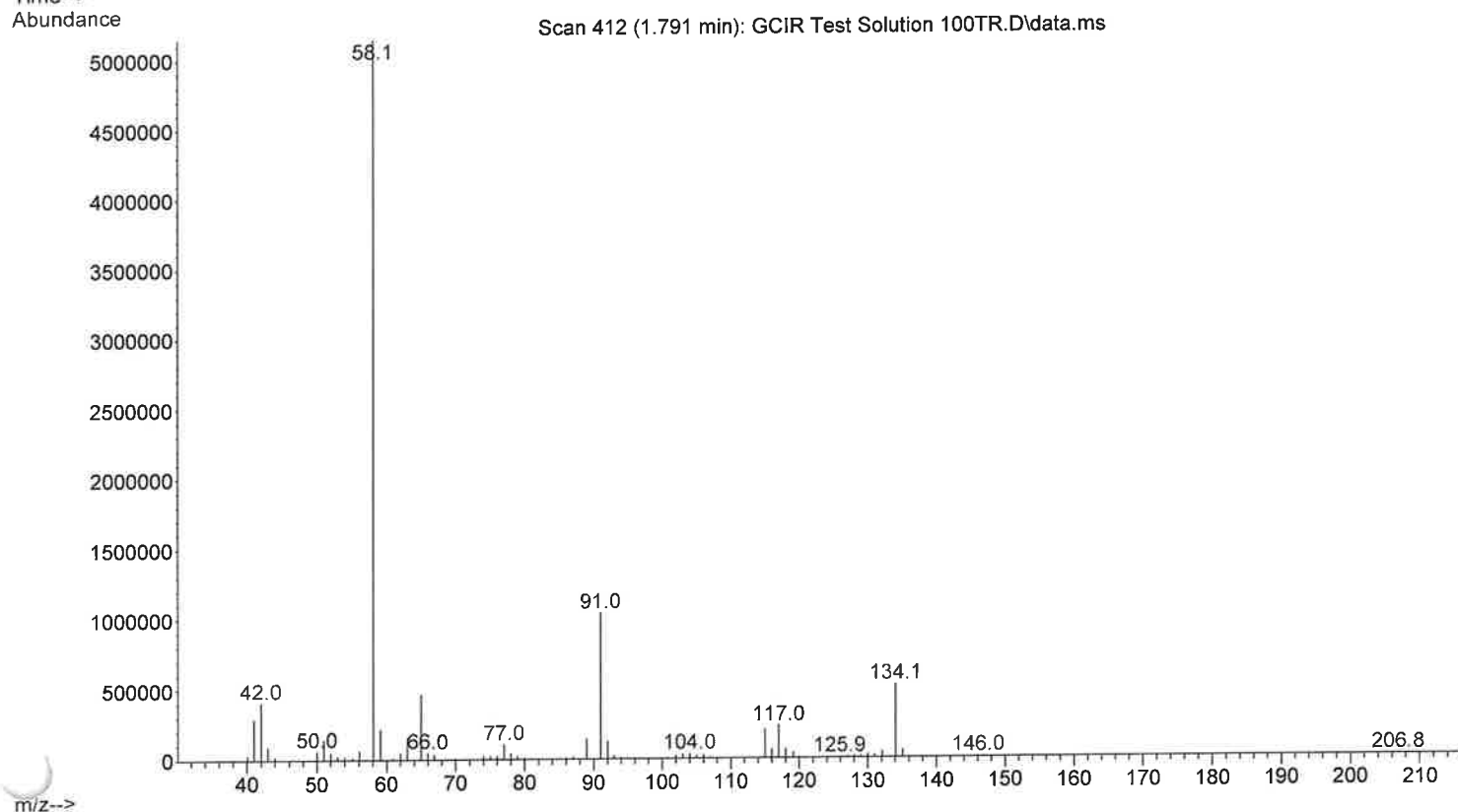
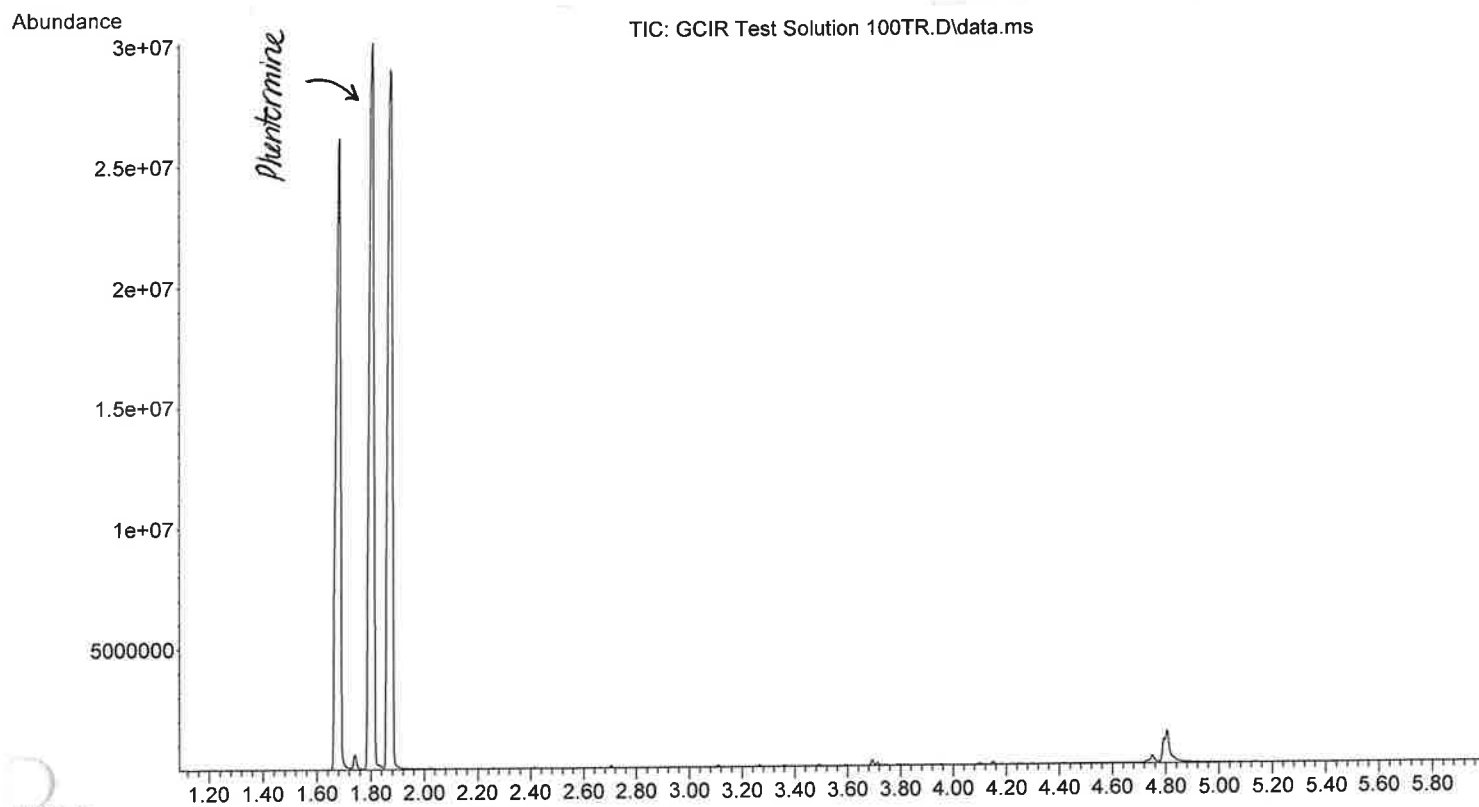
906



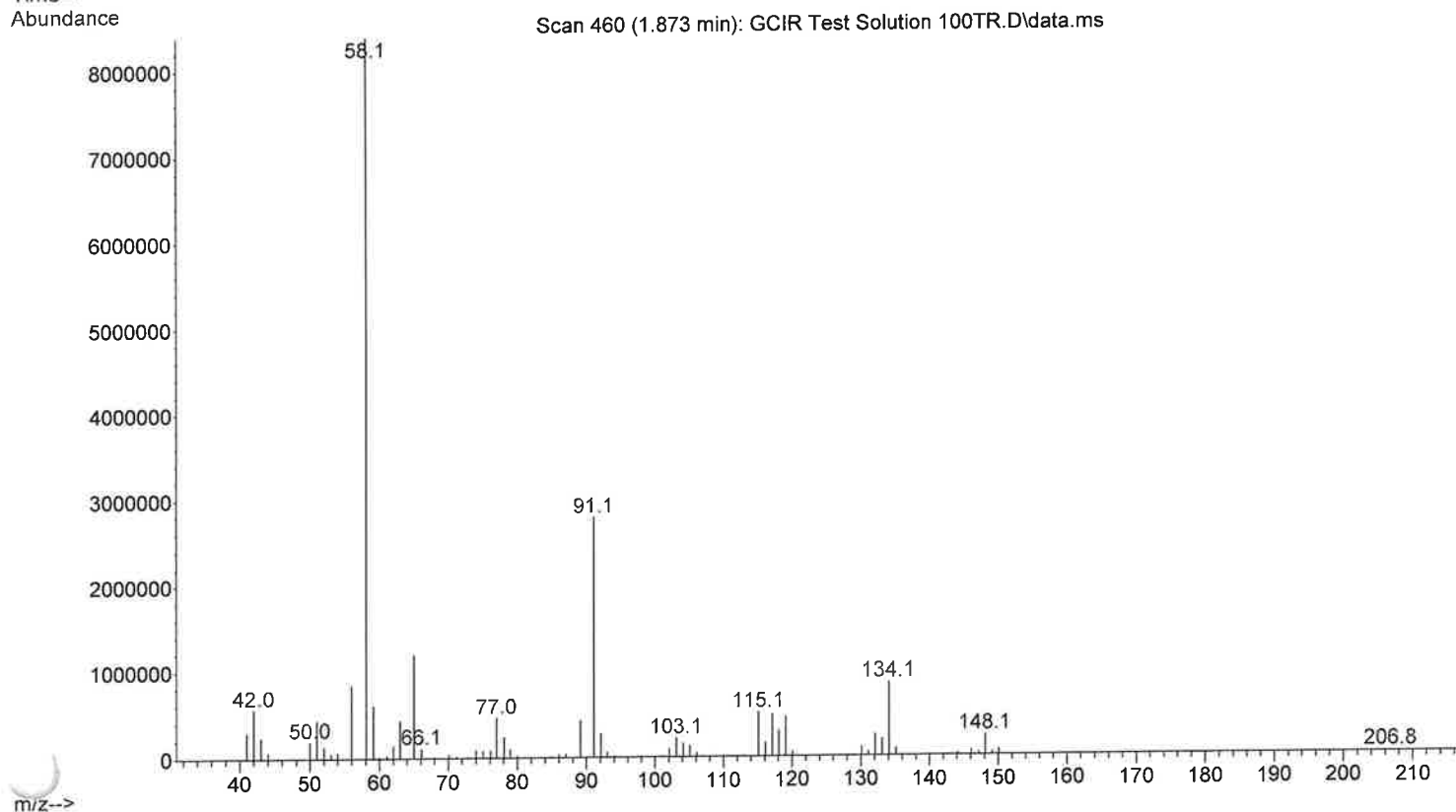
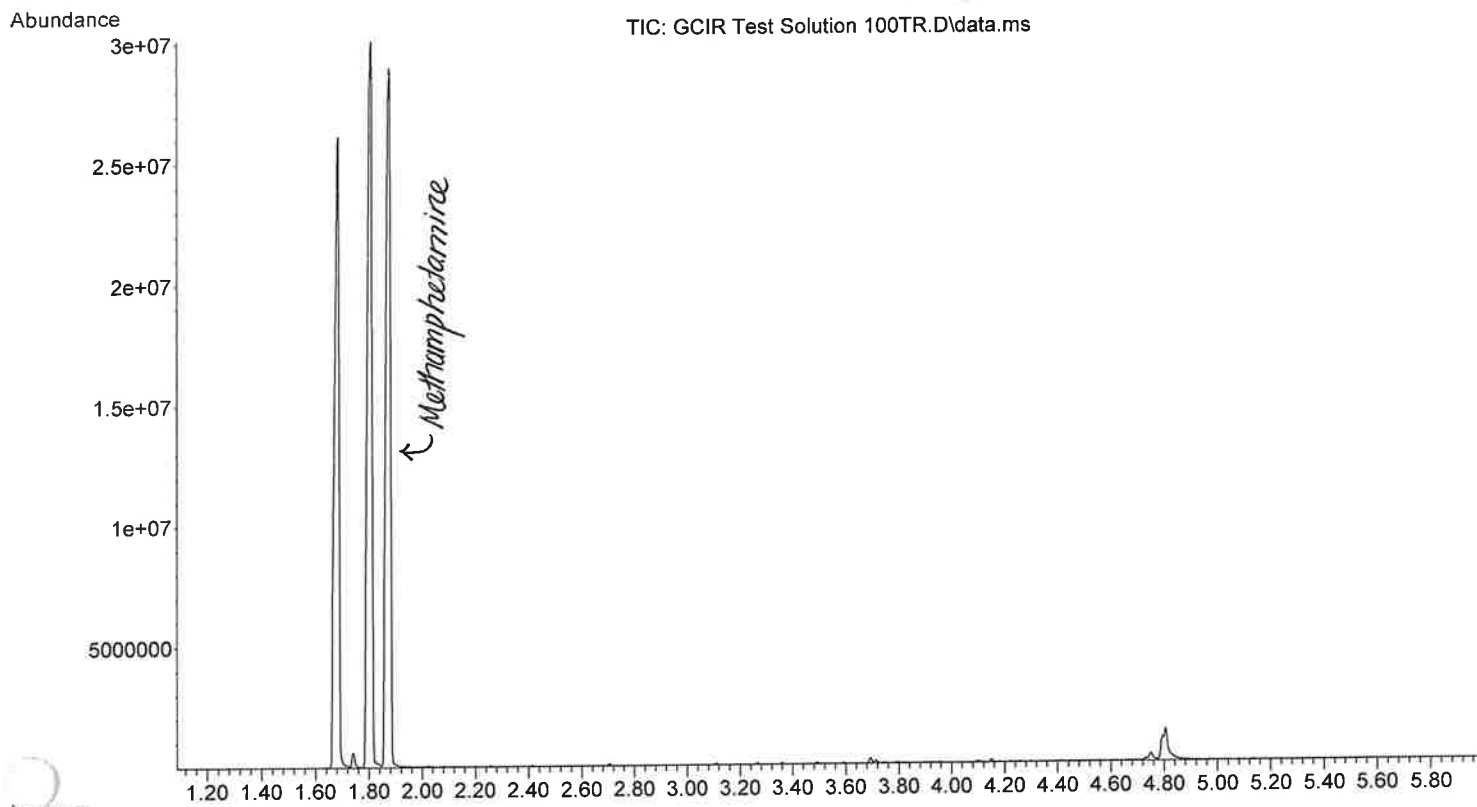
Scan 352 (1.688 min): GCIR Test Solution 100TR.D\data.ms



File :X:\2023\IB\04-12-23\GCIR Test Solution 100TR.D
Operator :
Acquired : 13 Apr 2023 18:22 using AcqMethod ASMS100TR.M
Instrument : Stringbean
Sample Name: GCIR Test Solution 100TR
Misc Info : 0.5N NaOH/CHCL3, Exp.02-23-24
Vial Number: 5



File :X:\2023\IB\04-12-23\GCIR Test Solution 100TR.D
Operator :
Acquired : 13 Apr 2023 18:22 using AcqMethod ASMS100TR.M
Instrument : Stringbean
Sample Name: GCIR Test Solution 100TR
Misc Info : 0.5N NaOH/CHCL3, Exp.02-23-24
Vial Number: 5



METHOD CONTROL PARAMETERS

Method Information for: D:\MassHunter\GCMS\1\methods\ASMS200TR.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:

This is an autosample MS 200-280 / 6 minute method.

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	D:\MassHunter\GCMS\1\methods\ASMS200TR.M
Tune file	ATUNE.U
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.0
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	6,250 [N=0]

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	40	550

Self-Cleaning Ion Source Parameters

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

D:\MassHunter\GCMS\1\methods\ASMS200TR.M
Tue Apr 04 07:54:07 2023

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 6.0029 min
Post Run Time 0 min

Oven
Temperature
Setpoint On
(Initial) 200 °C
Hold Time 1 min
Post Run 50 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 3.86 min

Equilibration Time 0.25 min
Minimum Temperature 350 °C
Minimum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 2
Solvent A Volume 4 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 2
Solvent B Volume 4 µL
Sample Washes 1
Sample Wash Volume 8 µL
Sample Pumps 4
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 1 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.5 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	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 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	
Helium Conservation Controlled Mode	Off
Heater	Split
Pressure	On 250 °C
Total Flow	On 13.5 psi
Septum Purge Flow	On 44.838 mL/min
Pre-Run Flow Test	On 3 mL/min
Gas Saver	Off
Split Ratio	On 20 mL/min after 3 min
Split Flow	50 :1
Liner	41.017 mL/min
	A Liner has not been selected.
Back SS Inlet He	
Helium Conservation Controlled Mode	Off
Heater	Split
Pressure	On 250 °C
Total Flow	On 13.5 psi
Septum Purge Flow	On 170.58 mL/min
Pre-Run Flow Test	On 3 mL/min
Gas Saver	Off
Split Ratio	Off
Split Flow	50 :1
Liner	164.3 mL/min
	A Liner has not been selected.
Column	
Column #1	
Flow	
Setpoint (Initial)	On
Post Run	0.82034 mL/min
	1 mL/min

Column Information
Description
Temperature Range
Dimensions
Heater
Column lock
Out
(Initial)
Pressure
Flow
Average Velocity
Holdup Time
Control Mode

Agilent 19091S-602
HP-1MS
-60 °C-325 °C (350 °C)
12.5 m x 200 µm x 0.33 µm (Calibrated)
Oven
Unlocked
Front SS Inlet He
MSD
200 °C
13.5 psi
0.82034 mL/min
54.354 cm/sec
0.38329 min
Constant Flow

Column #2
Pressure
Setpoint
(Initial)
Post Run

On
13.5 psi
2.8778 psi

Column Information
Temperature Range
Dimensions
Heater
Column lock
In
Out
(Initial)
Pressure
Flow
Average Velocity
Holdup Time
Control Mode

Agilent 19091S-913
-60 °C-325 °C (350 °C)
15 m x 320 µm x 0.25 µm (Calibrated)
Oven
Unlocked
Back SS Inlet He
Back Detector FID
200 °C
13.5 psi
3.2859 mL/min
71.909 cm/sec
0.34766 min
Constant Pressure

Column Outlet Pressure

0 psi

Back Detector FID
Makeup
Heater
H2 Flow
Air Flow
Makeup Flow
Carrier Gas Flow Correction
Flame
Blank Evaluation Setpoints
Perform Blank Evaluation Test

He
On 300 °C
Off
Off
Off
Constant Makeup and Fuel Flow
Off
Off

Helium Conservation
Helium Valve
Nitrogen Valve

Off
Off

Detector Evaluation
Perform Detector Evaluation Test

Off

MSD Transfer Line
Temperature
Setpoint
(Initial)

On
280 °C

Signals
Signal #1:

Description	None
Signal #2: Description	None
Signal #3: Description	None
Signal #4: Description	None
Signal #5: Description	None
Signal #6: Description	None
Signal #7: Description	None
Signal #8: Description	None

TUNE PARAMETERS for SN: US2246MS10

Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
29.720	:	REPELLER	
90.331	:	IONFOCUS	
20.181	:	ENTRANCE_LENS	
883.721	:	EMVOLTS	
			913.2 : Actual EMV
			1.00 : GAIN FACTOR
3335.000	:	AMUGAIN	
132.750	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
13.233	:	ENTLENSOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
421.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

DATA ANALYSIS PARAMETERS

Method Name: D:\MassHunter\GCMS\1\methods\ASMS200TR.M

Percent Report Settings

Sort By: Signal

Output Destination

Screen: No
Printer: Yes
File: No

Integration Events: AutoIntegrate

Generate Report During Run Method: No

Signal Correlation Window: 0.020

Qualitative Report Settings

Peak Location of Unknown: Apex

Library to Search Minimum Quality

Q:\Instrument Libraries\Current\TBI_DRUG.L 0

Q:\Instrument Libraries\Current\SWGDRUG 3.12.L 0

Q:\Instrument Libraries\Current\CaymanSpectralLibrary.L

Integration Events: AutoIntegrate

Report Type: Summary

Output Destination

Screen: No
Printer: Yes
File: No

Generate Report During Run Method: No

Quantitative Report Settings

Report Type: Summary

Output Destination

Screen: Yes

Printer: No

File: No

Generate Report During Run Method: No

Calibration Last Updated:

Reference Window: 10.00 Percent

Non-Reference Window: 5.00 Percent

Correlation Window: 0.02 minutes

Default Multiplier: 1.00

Default Sample Concentration: 0.00

Compound Information

*** Empty Quantitation Database ***

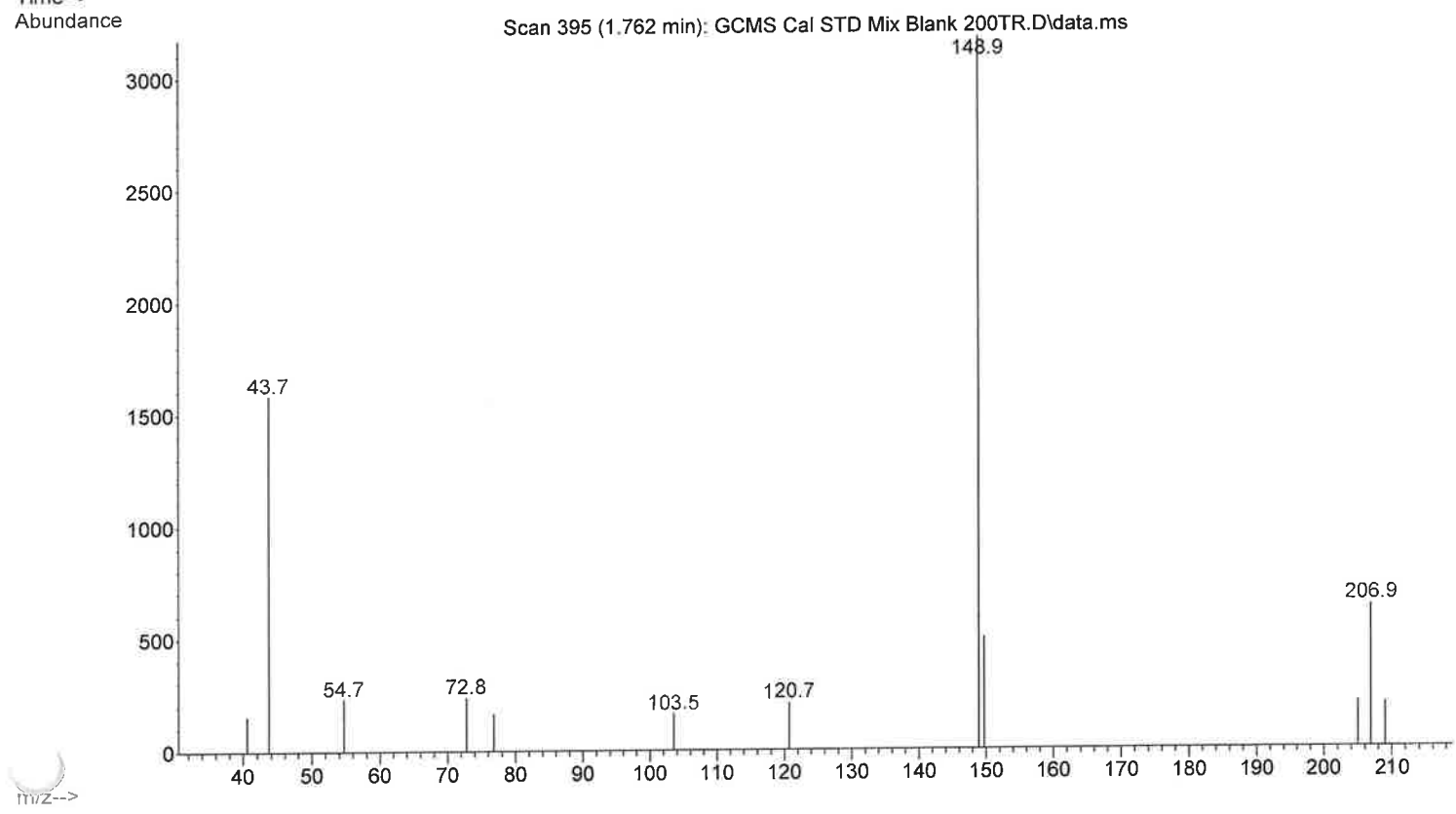
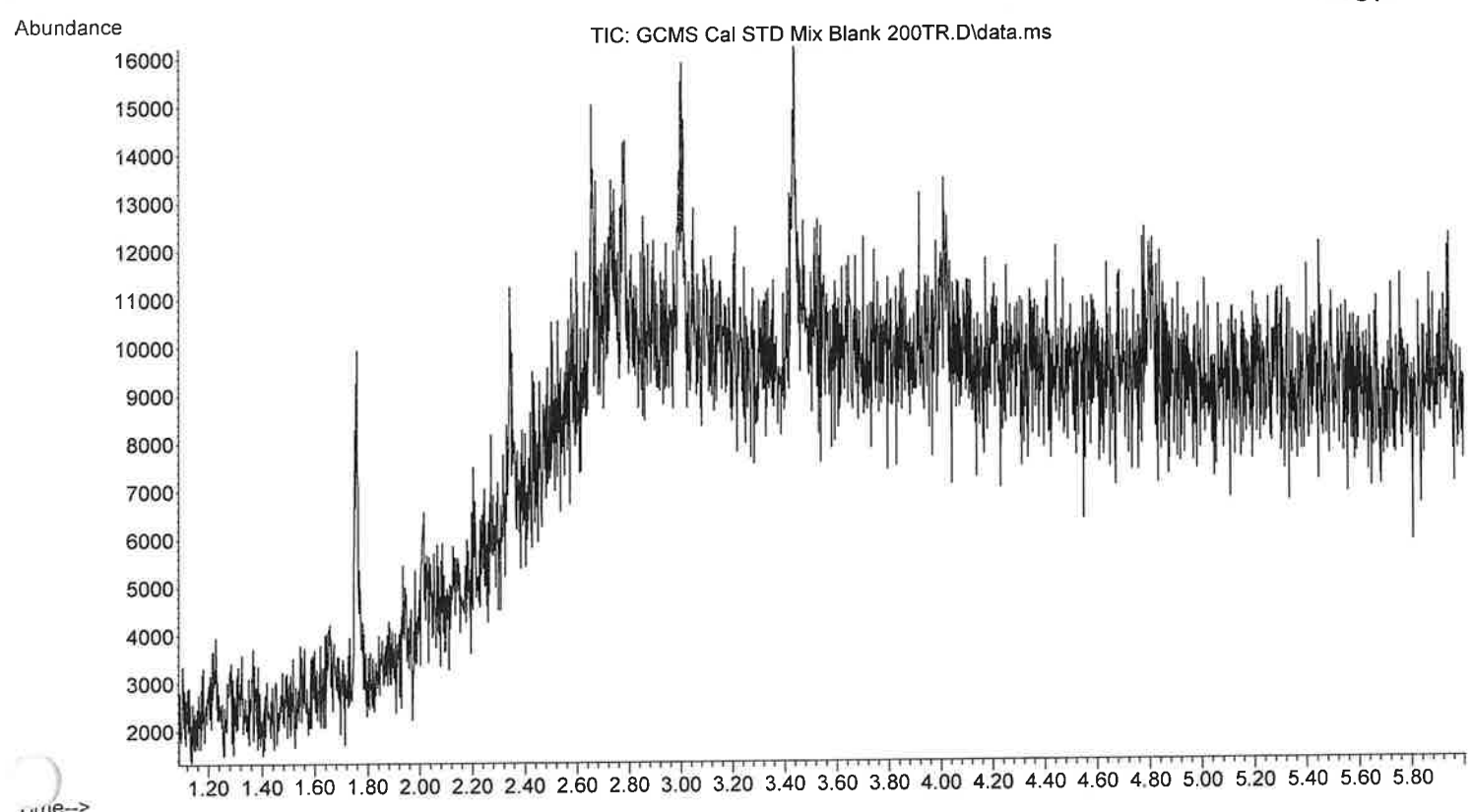
END OF DATA ANALYSIS PARAMETERS

Tue Apr 04 07:54:08 2023

411

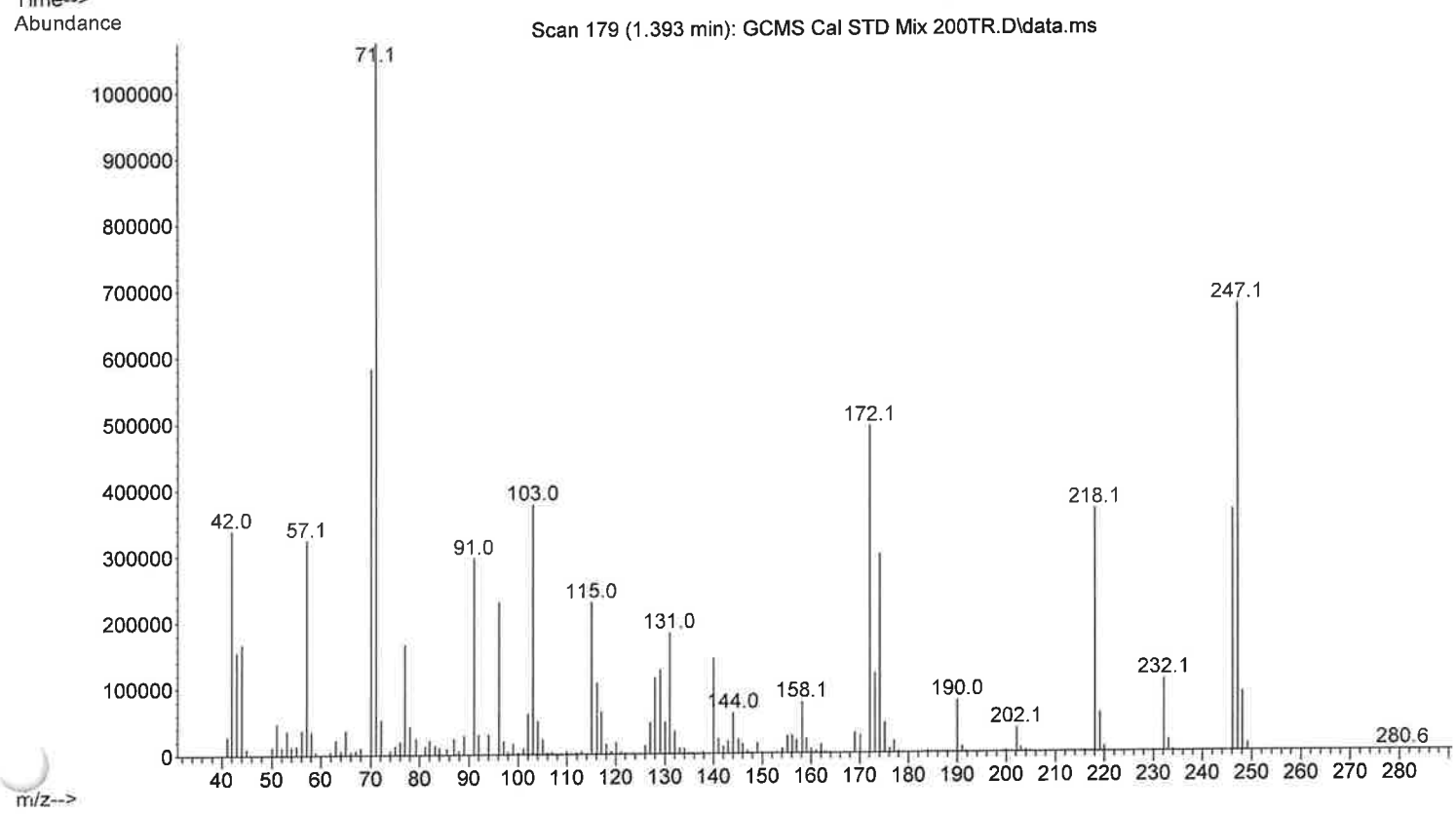
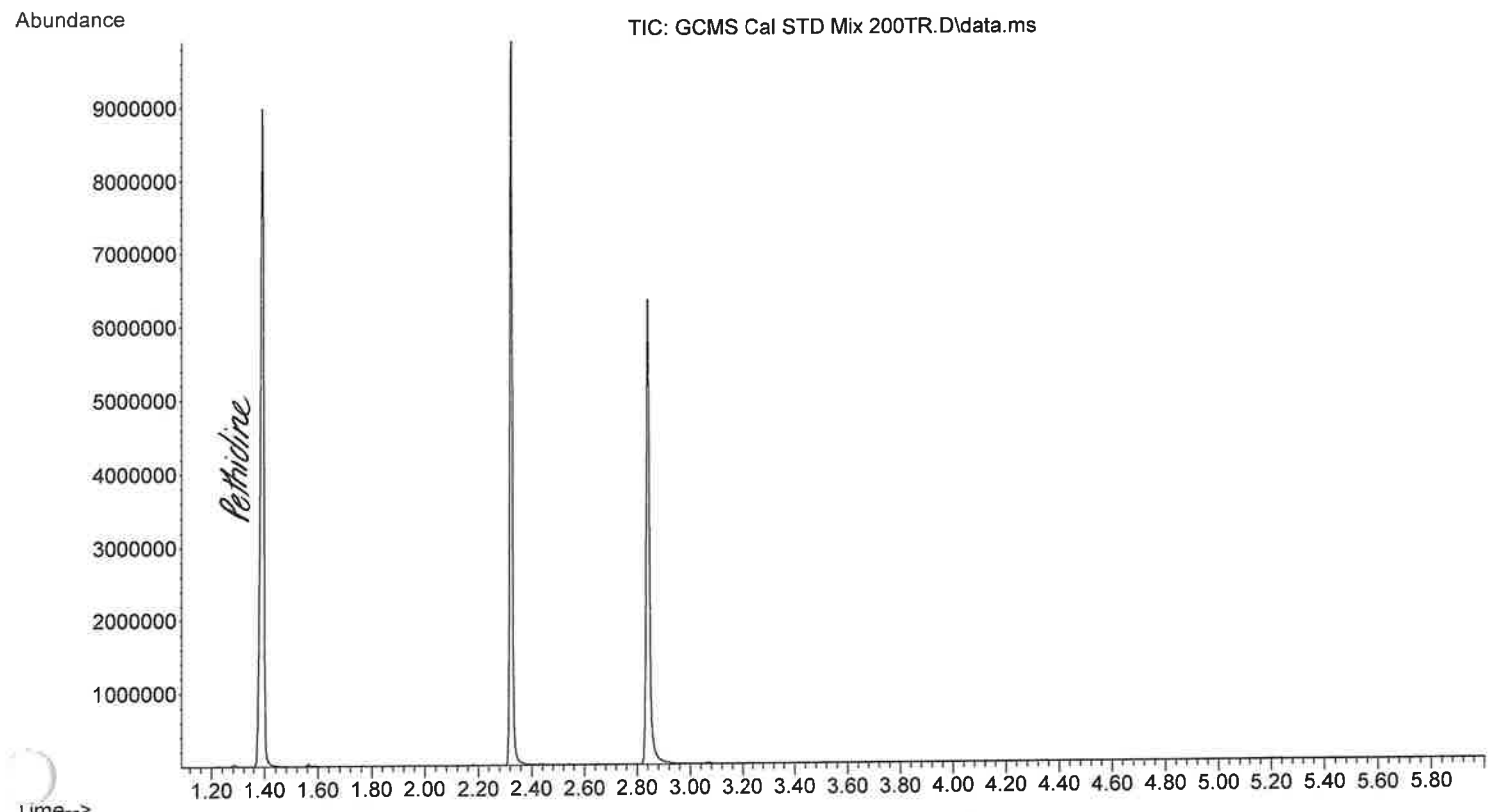
File :X:\2023\IB\04-12-23\GCMS Cal STD Mix Blank 200TR.D
Operator :
Acquired : 13 Apr 2023 18:40 using AcqMethod ASMS200TR.M
Instrument : Stringbean
Sample Name: GCMS Cal STD Mix Blank 200TR
Misc Info : MEOH
Vial Number: 2

NCOD



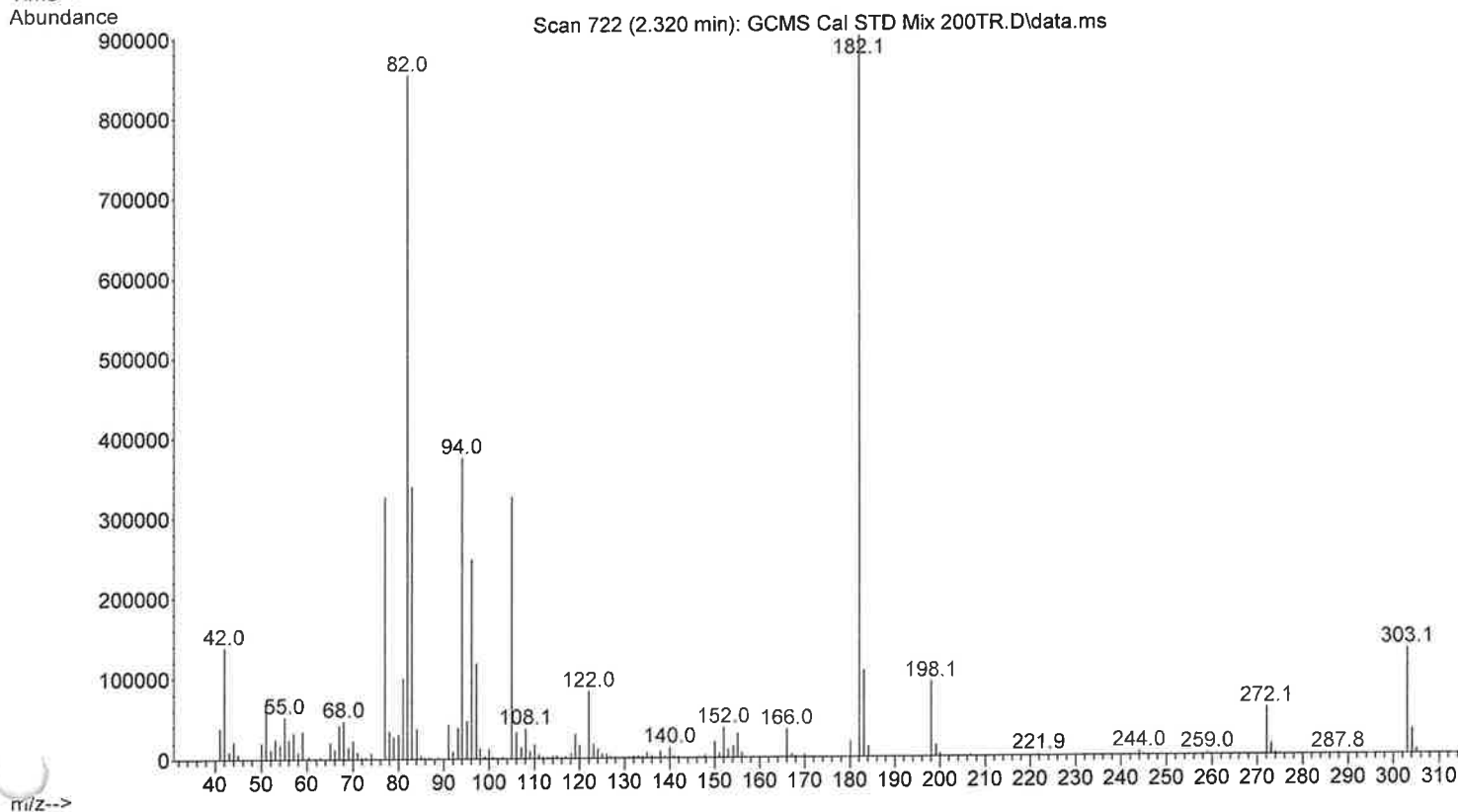
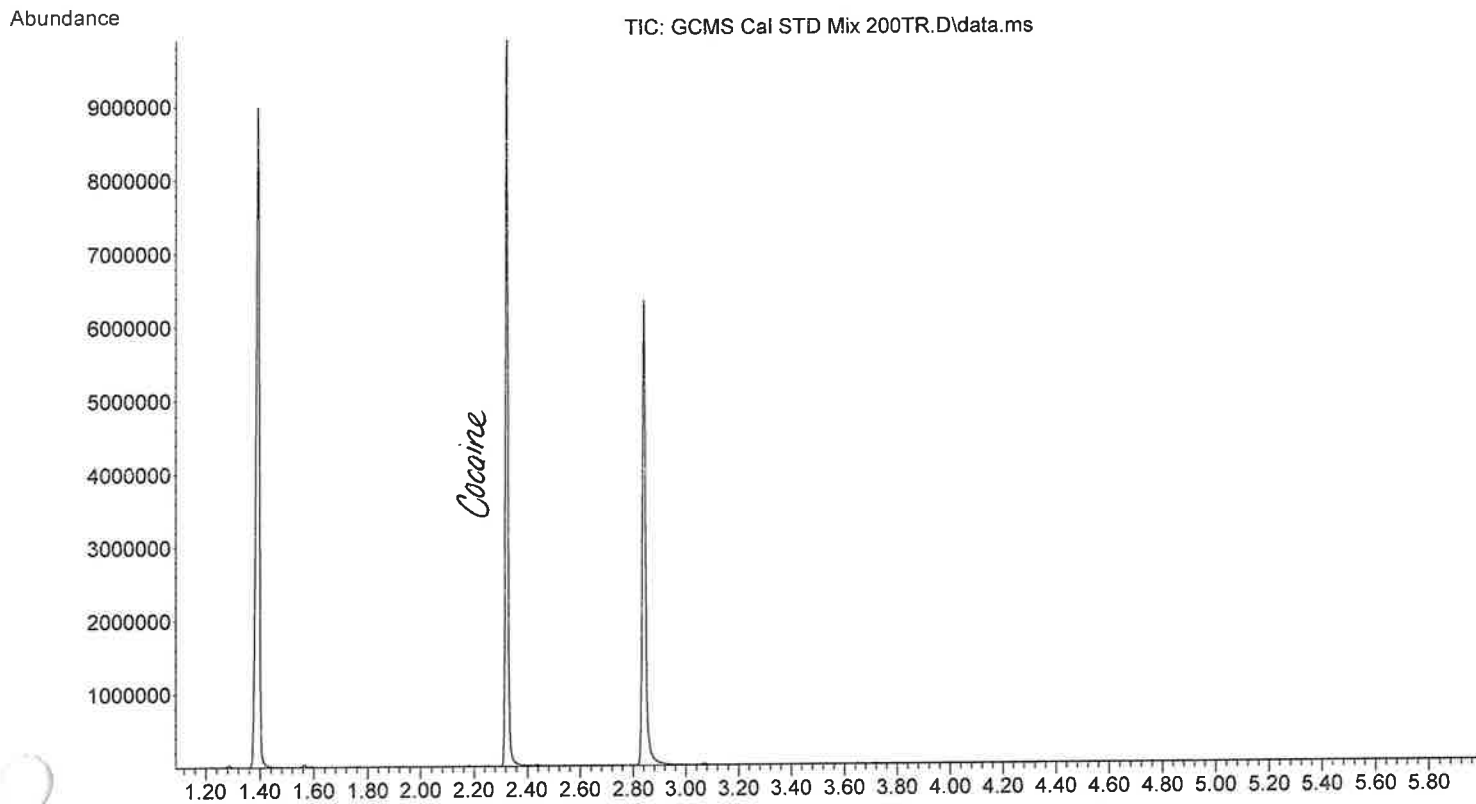
96

File :X:\2023\IB\04-12-23\GCMS Cal STD Mix 200TR.D
Operator :
Acquired : 13 Apr 2023 18:48 using AcqMethod ASMS200TR.M
Instrument : Stringbean
Sample Name: GCMS Cal STD Mix 200TR
Misc Info : MEOH, Exp.03-20-24
Vial Number: 3

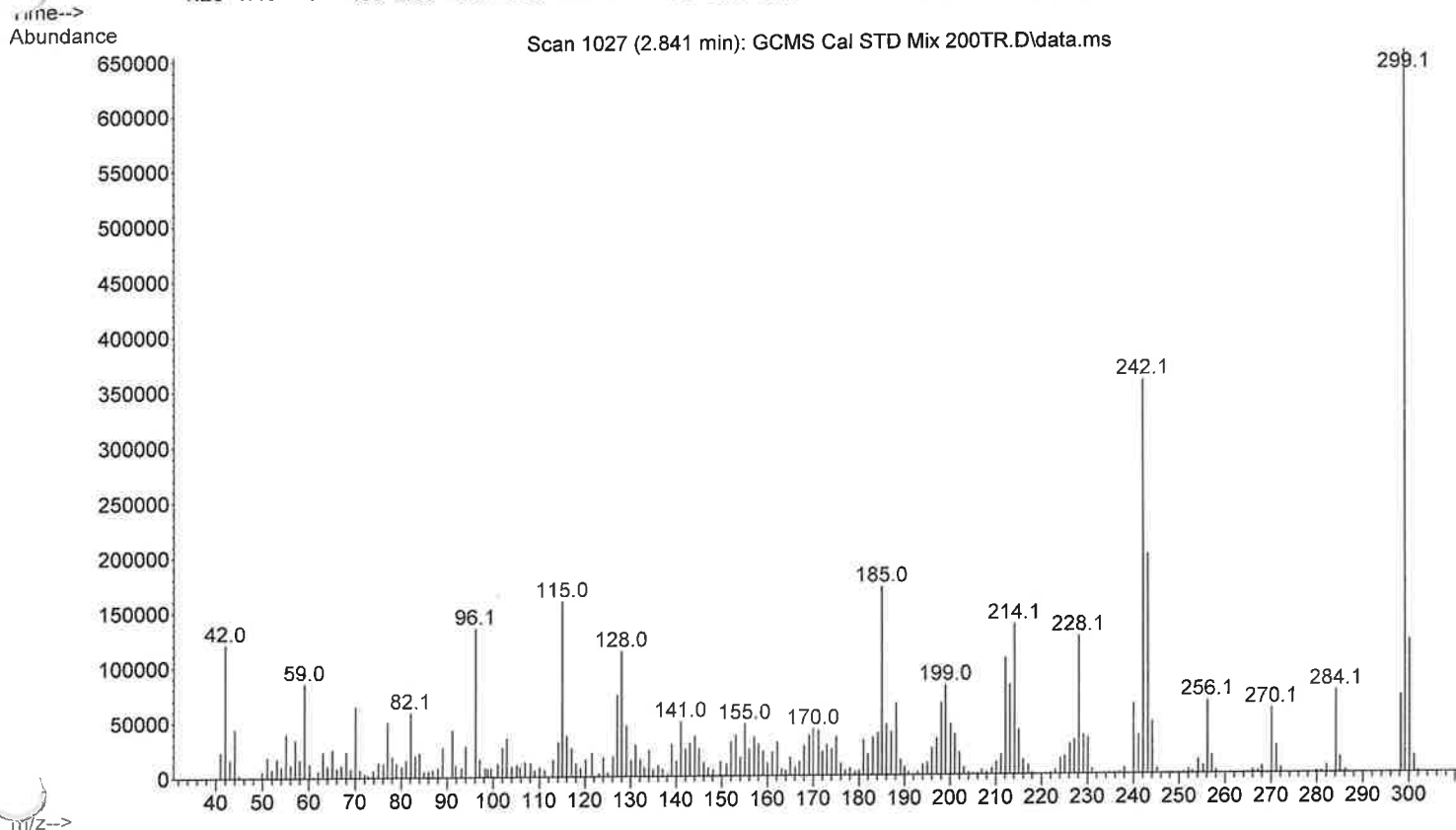
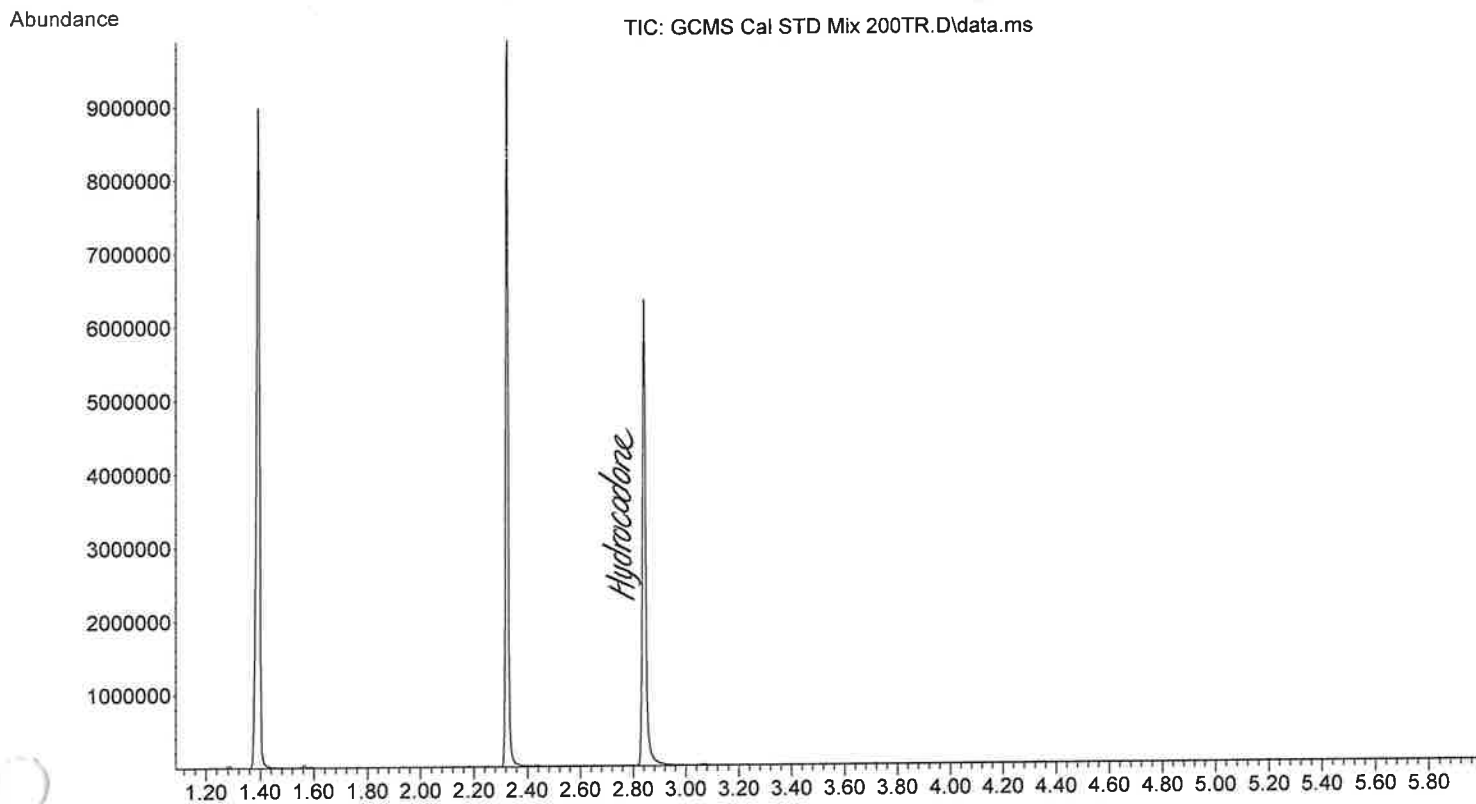


File :X:\2023\IB\04-12-23\GCMS Cal STD Mix 200TR.D
Operator :
Acquired : 13 Apr 2023 18:48 using AcqMethod ASMS200TR.M
Instrument : Stringbean
Sample Name: GCMS Cal STD Mix 200TR
Misc Info : MEOH, Exp.03-20-24
Vial Number: 3

WR



File :X:\2023\IB\04-12-23\GCMS Cal STD Mix 200TR.D
Operator :
Acquired : 13 Apr 2023 18:48 using AcqMethod ASMS200TR.M
Instrument : Stringbean
Sample Name: GCMS Cal STD Mix 200TR
Misc Info : MEOH, Exp.03-20-24
Vial Number: 3



METHOD CONTROL PARAMETERS

Method Information for: D:\MassHunter\GCMS\1\methods\GC100.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:

This is manual injection GC 100-280 / 10 minute method.

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	D:\MassHunter\GCMS\1\methods\GC100.M
Tune file	ATUNE.U
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.0
Acquisition Type	Scan
Stop time (min)	10.00
Solvent delay (min)	3.00
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
3.00	50	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
------	-------------

D:\MassHunter\GCMS\1\methods\GC100.M
Tue Apr 04 10:32:02 2023

Control Information

Sample Inlet : GC
Injection Source : Manual
Mass Spectrometer : Disabled

No Sample Prep method has been assigned to this method.

GC
GC Summary
Run Time 10.001 min
Post Run Time 0 min

Oven
Temperature
Setpoint On
(Initial) 100 °C
Hold Time 1 min
Post Run 50 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 6.43 min

Equilibration Time 0.25 min
Max Temperature 350 °C
Minimum Temperature Override Disabled
Fan Disabled

ALS
Front 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 3 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.2 µL
Solvent Wash Mode A, B

Back Injector	10 µL
Syringe Size	1 µL
Injection Volume	0
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	0
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.5 µL
Solvent Wash Mode	A, B
Sample Overlap	Sample overlap is not enabled
Mode	
ALS Errors	Pause for user interaction
Front SS Inlet He	Off
Helium Conservation Controlled	Split
Mode	On 250 °C
Heater	On 8.5 psi
Pressure	On 45.194 mL/min
Total Flow	On 3 mL/min
Septum Purge Flow	Off
Pre-Run Flow Test	On 20 mL/min after 3 min
Gas Saver	50 :1
Split Ratio	41.367 mL/min
Split Flow	A Liner has not been selected.
Liner	
Back SS Inlet He	Off
Helium Conservation Controlled	Split
Mode	On 300 °C
Heater	On 10 psi
Pressure	On 172.89 mL/min
Total Flow	On 3 mL/min
Septum Purge Flow	Off
Pre-Run Flow Test	Off
Gas Saver	50 :1
Split Ratio	166.56 mL/min
Split Flow	A Liner has not been selected.
Liner	
Column	
Column #1	
Pressure	On
Setpoint	8.5 psi
(Initial)	7.903 psi
Post Run	

Column Information	Agilent 19091S-602
Description	HP-1MS
Temperature Range	-60 °C-325 °C (350 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm (Calibrated)
Heater	Oven
Column lock	Unlocked
	Front SS Inlet He
	MSD
(Initial)	100 °C
Pressure	8.5 psi
Flow	0.82733 mL/min
Average Velocity	52.55 cm/sec
Holdup Time	0.39644 min
Control Mode	Constant Pressure

Column #2	
Pressure	
Setpoint	On
(Initial)	10 psi
Post Run	2.8778 psi

Column Information	Agilent 19091S-913
Temperature Range	-60 °C-325 °C (350 °C)
Dimensions	15 m x 320 µm x 0.25 µm (Calibrated)
Heater	Oven
Column lock	Unlocked
In	Back SS Inlet He
Out	Back Detector FID
(Initial)	100 °C
Pressure	10 psi
Flow	3.3311 mL/min
Average Velocity	63.306 cm/sec
Holdup Time	0.39491 min
Control Mode	Constant Pressure

Column Outlet Pressure	0 psi
------------------------	-------

Back Detector FID	
Makeup	He
Heater	On 300 °C
H2 Flow	On 30 mL/min
Air Flow	On 400 mL/min
Makeup Flow	On 25 mL/min
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	On
Blank Evaluation Setpoints	
Perform Blank Evaluation Test	Off

Helium Conservation	
Helium Valve	Off
Nitrogen Valve	Off

Detector Evaluation	
Perform Detector Evaluation Test	Off

MSD Transfer Line	
Temperature	
Setpoint	On
(Initial)	280 °C

Signals	
Signal #1: Back Signal	
Description	Back Signal

Details	Back Signal (FID)
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Back Sample
Signal #2: Description	None
Signal #3: Description	None
Signal #4: Description	None
Signal #5: Description	None
Signal #6: Description	None
Signal #7: Description	None
Signal #8: Description	None

TUNE PARAMETERS for SN: US2246MS10

Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
29.720	:	REPELLER	
90.331	:	IONFOCUS	
20.181	:	ENTRANCE_LENS	
883.721	:	EMVOLTS	
			913.2 : Actual EMV
			1.00 : GAIN FACTOR
3335.000	:	AMUGAIN	
132.750	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
13.233	:	ENTLENSOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
421.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

DATA ANALYSIS PARAMETERS

Method Name: D:\MassHunter\GCMS\1\methods\GC100.M

Percent Report Settings

Sort By: Signal

Output Destination

Screen: No
Printer: Yes
File: No

Integration Events: AutoIntegrate

Generate Report During Run Method: No

Signal Correlation Window: 0.020

Quantitative Report Settings

Report Type: Summary

Output Destination

Screen: Yes
Printer: No
File: No

Generate Report During Run Method: No

Calibration Last Updated:

Reference Window: 10.00 Percent
Non-Reference Window: 5.00 Percent
Correlation Window: 0.02 minutes
Default Multiplier: 1.00
Default Sample Concentration: 0.00

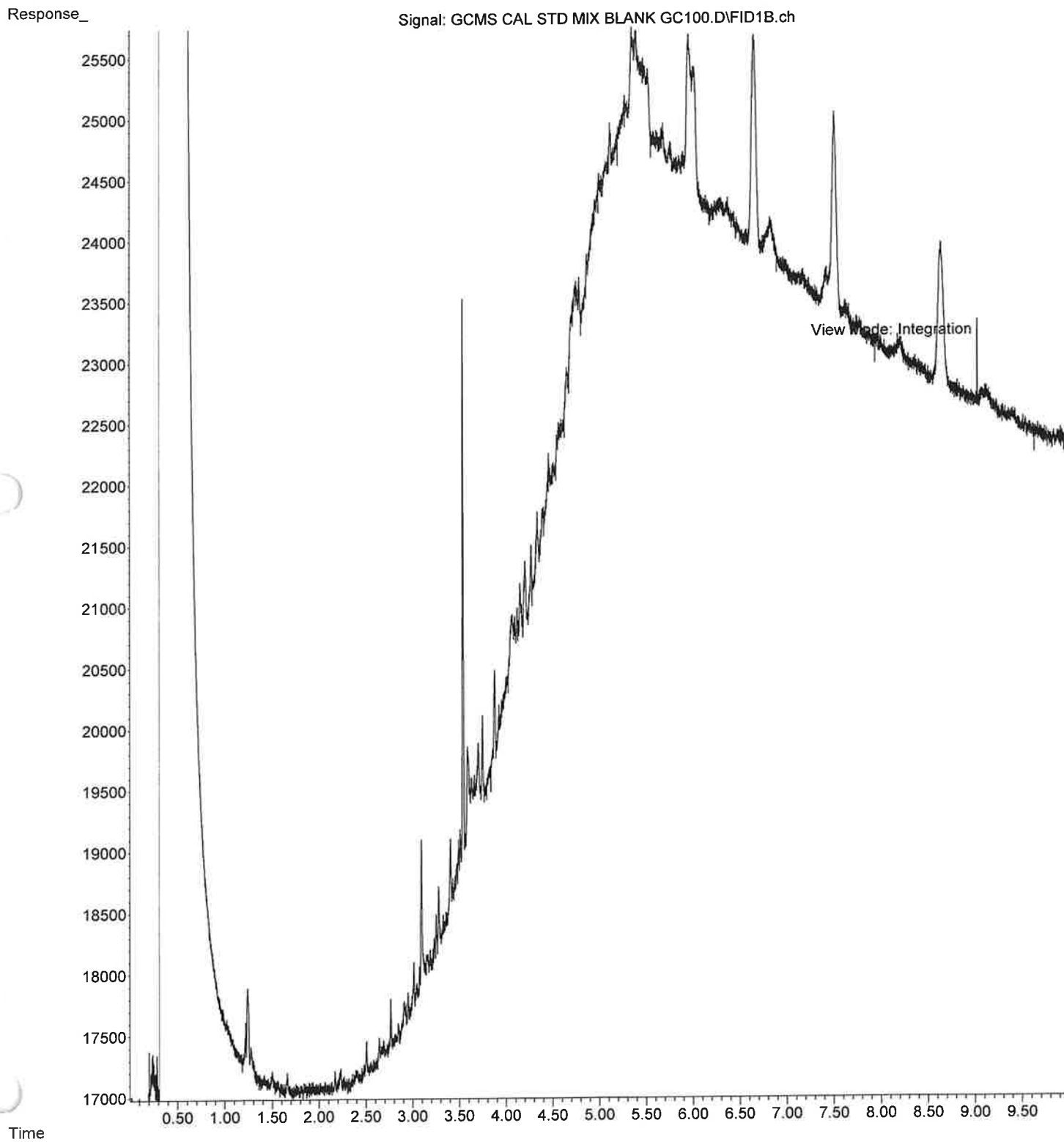
Compound Information

*** Empty Quantitation Database ***

END OF DATA ANALYSIS PARAMETERS

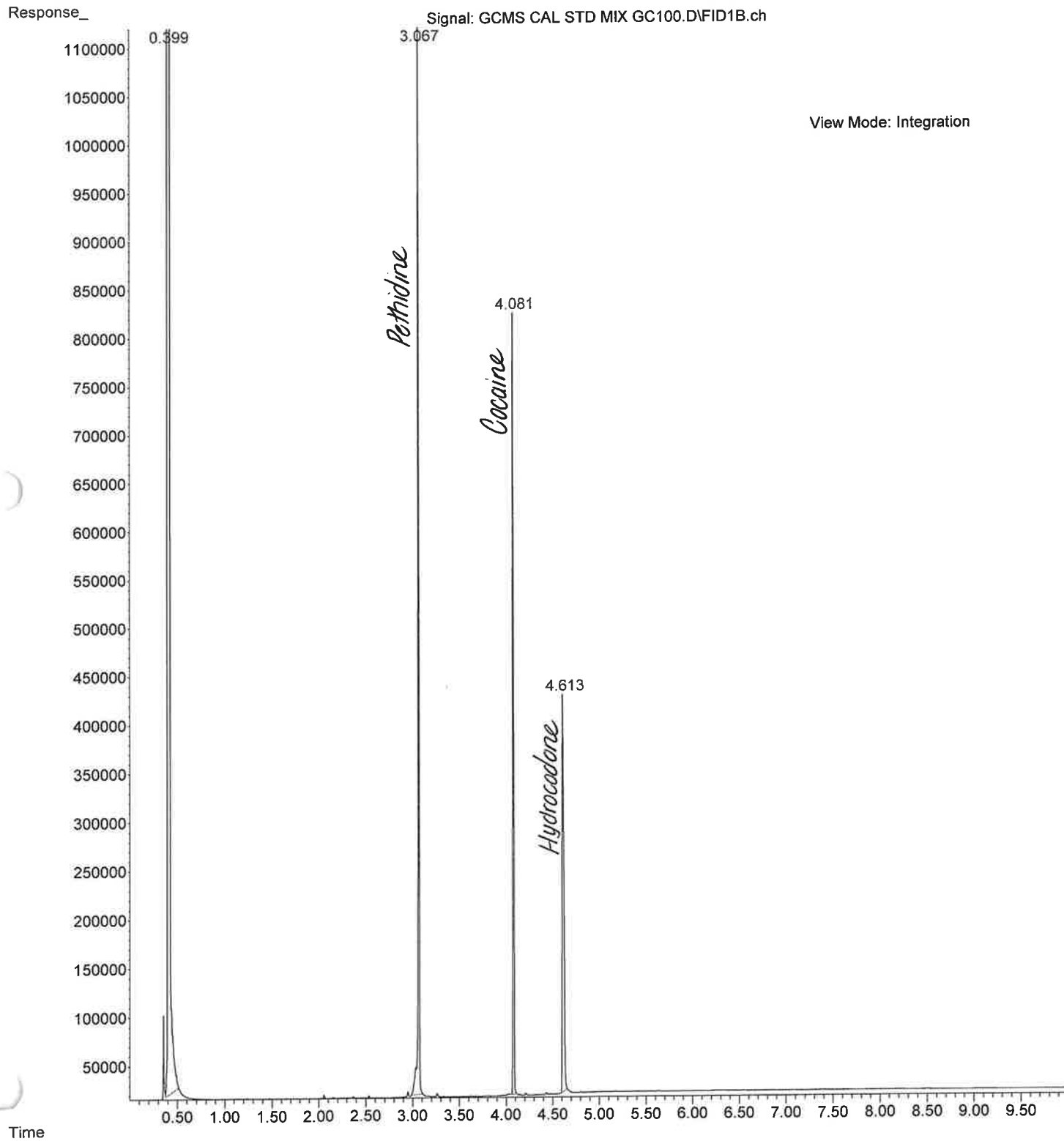
Tue Apr 04 10:32:03 2023

File :X:\2023\IB\04-25-23\GCMS CAL STD MIX BLANK GC100.D
Operator : Isabella Barnett
Acquired : 25 Apr 2023 08:07 using AcqMethod GC100.M
Instrument : Stringbean
Sample Name: GCMS CAL STD MIX BLANK GC100
Misc Info : MEOH
Vial Number: 1

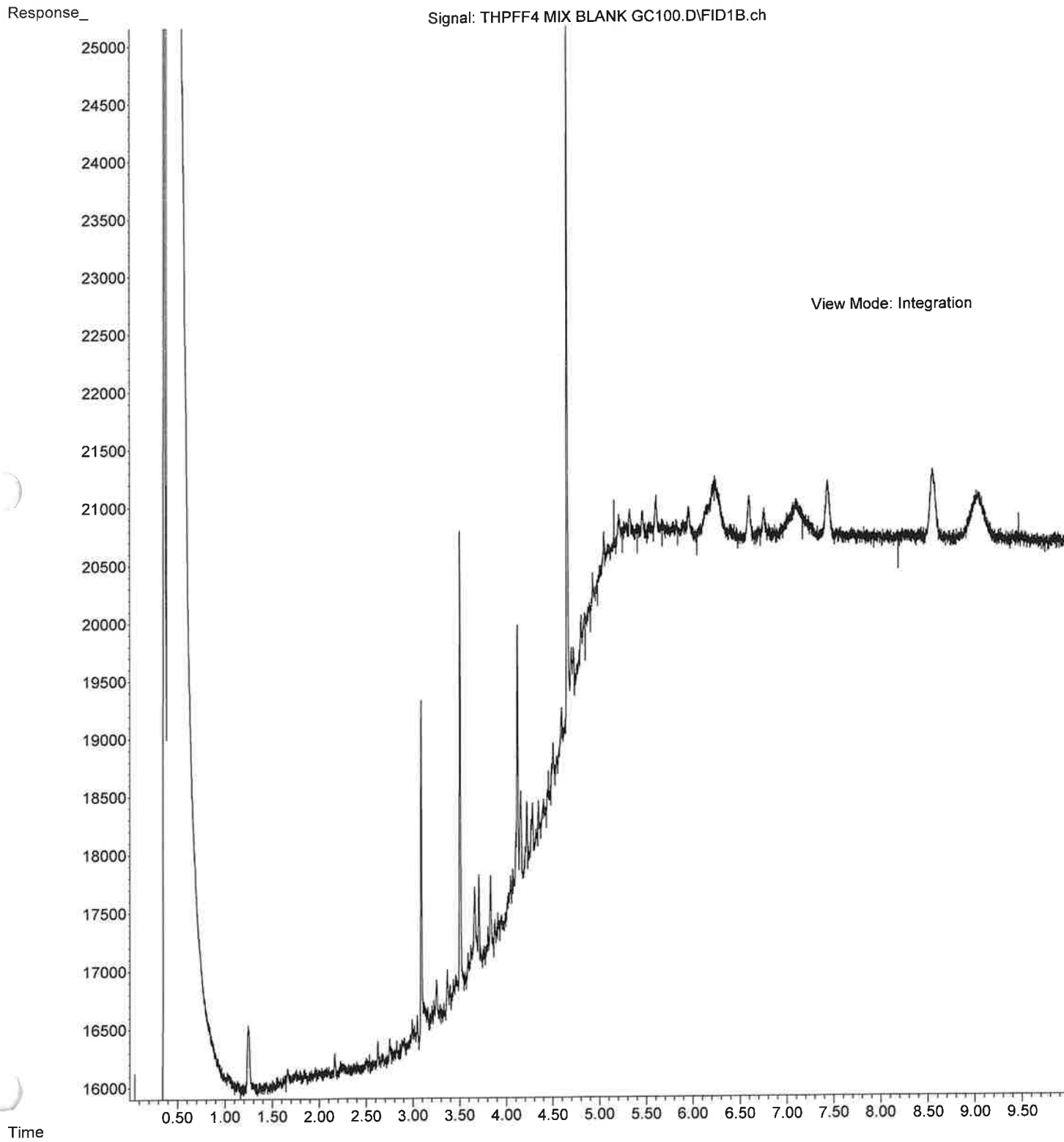


all

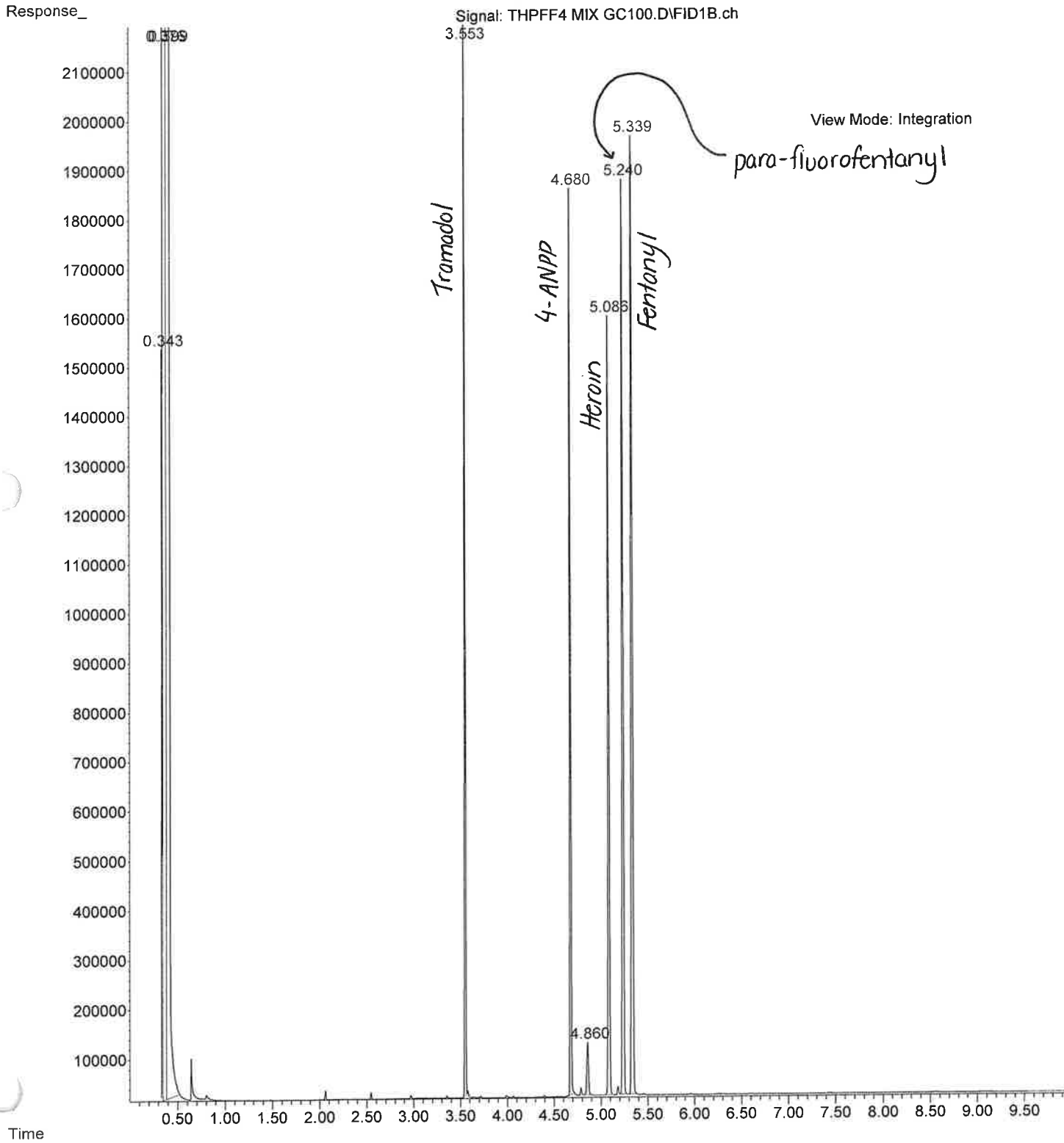
File :X:\2023\IB\04-25-23\GCMS CAL STD MIX GC100.D
Operator : Isabella Barnett
Acquired : 25 Apr 2023 08:21 using AcqMethod GC100.M
Instrument : Stringbean
Sample Name: GCMS CAL STD MIX GC100
Misc Info : ME0H, Exp.03-20-24
Vial Number: 1



File :X:\2023\IB\04-25-23\THPFF4 MIX BLANK GC100.D
Operator : Isabella Barnett
Acquired : 25 Apr 2023 08:41 using AcqMethod GC100.M
Instrument : Stringbean
Sample Name: THPFF4 MIX BLANK GC100
Misc Info : MEOH
Vial Number: 1

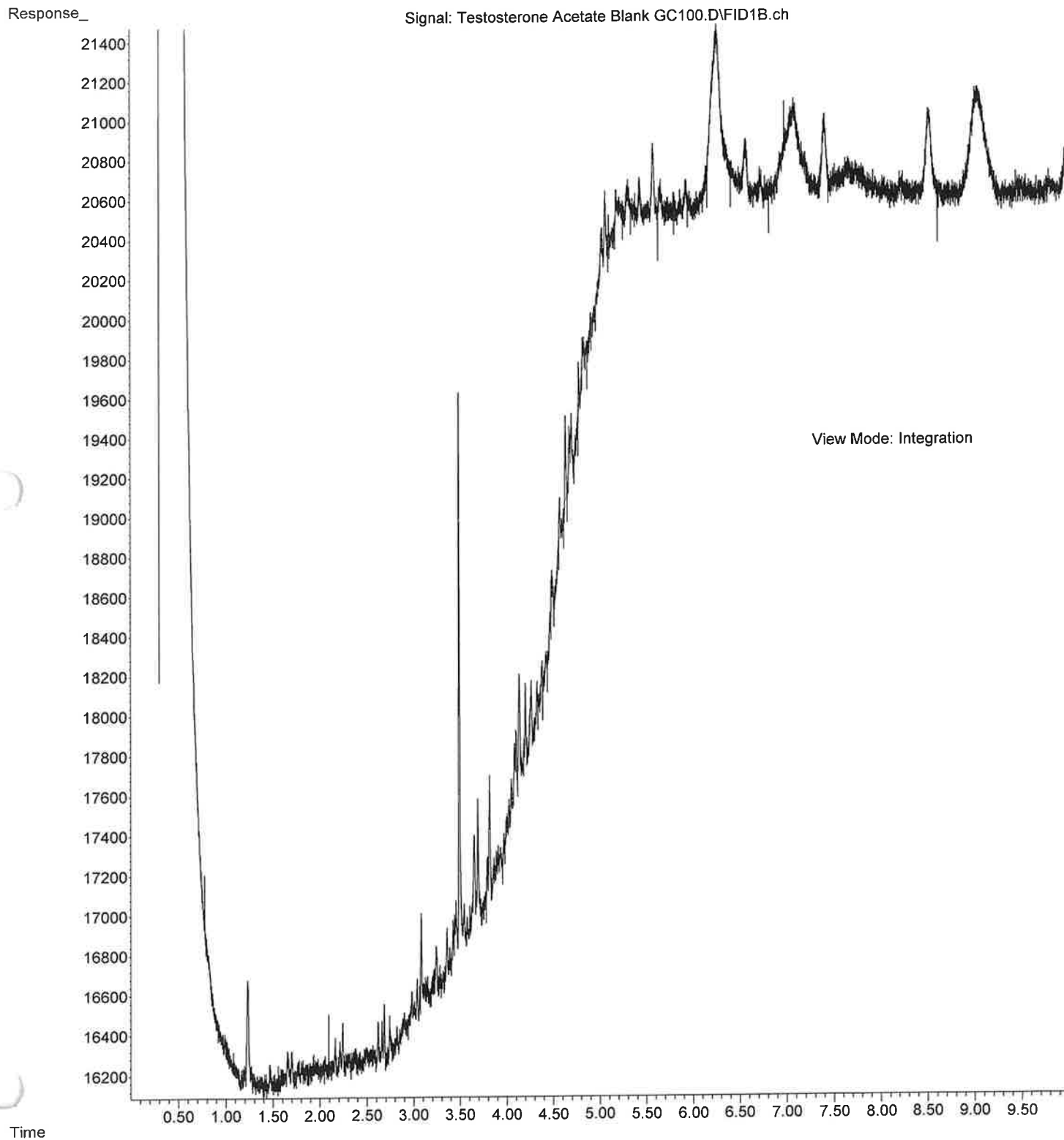


File : X:\2023\IB\04-25-23\THPFF4 MIX GC100.D
Operator : Isabella Barnett
Acquired : 25 Apr 2023 09:02 using AcqMethod GC100.M
Instrument : Stringbean
Sample Name: THPFF4 MIX GC100
Misc Info : MEOH, Exp.03-22-24
Vial Number: 1



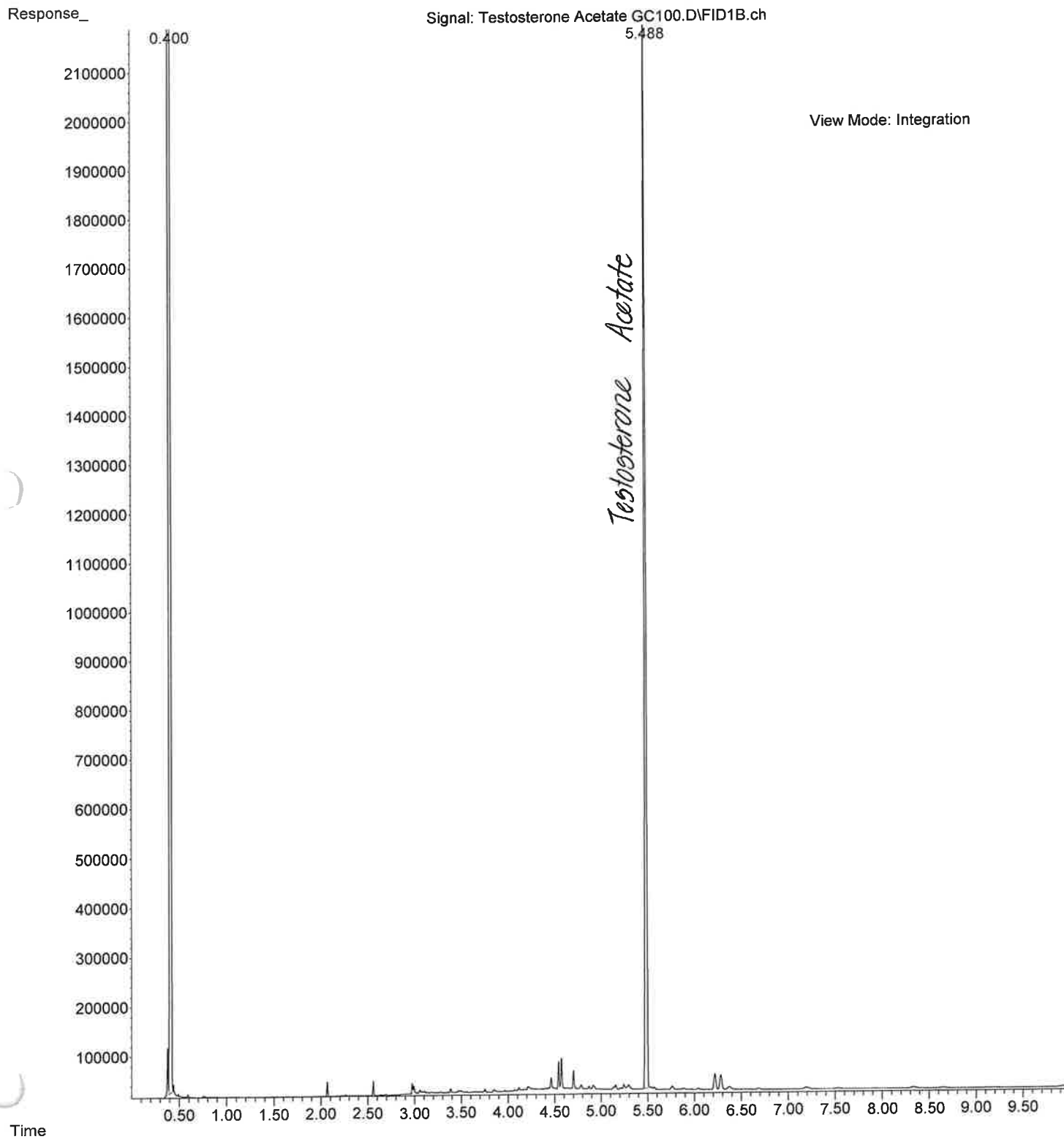
Handwritten initials

File :X:\2023\IB\04-25-23\Testosterone Acetate Blank GC100.D
Operator : Isabella Barnett
Acquired : 25 Apr 2023 09:17 using AcqMethod GC100.M
Instrument : Stringbean
Sample Name: Testosterone Acetate Blank GC100
Misc Info : MEOH
Vial Number: 1



all

File :X:\2023\IB\04-25-23\Testosterone Acetate GC100.D
Operator : Isabella Barnett
Acquired : 25 Apr 2023 09:41 using AcqMethod GC100.M
Instrument : Stringbean
Sample Name: Testosterone Acetate GC100
Misc Info : ME0H,Sigma,Lot19F0299,Exp.02-06-24
Vial Number: 1



METHOD CONTROL PARAMETERS

Method Information for: D:\MassHunter\GCMS\1\methods\GC200.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:

This is a manual injection GC 200-280 / 10 minute method.

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	D:\MassHunter\GCMS\1\methods\GC200.M
Tune file	ATUNE.U
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.0
Acquisition Type	Scan
Stop time (min)	10.00
Solvent delay (min)	3.00
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
3.00	50	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
------	-------------

D:\MassHunter\GCMS\1\methods\GC200.M
Tue Apr 04 10:26:30 2023

Control Information

Sample Inlet : GC
Injection Source : Manual
Mass Spectrometer : Disabled

No Sample Prep method has been assigned to this method.

GC
GC Summary
Run Time 10.003 min
Post Run Time 0 min

Oven
Temperature
Setpoint On
(Initial) 200 °C
Hold Time 1 min
Post Run 50 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 7.86 min

Equilibration Time 0.25 min
Max Temperature 350 °C
Minimum Temperature Override Disabled
On Fan Disabled

ALS
Front 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 3 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	0
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.5 µL
Solvent Wash Mode	A, B
Sample Overlap	
Mode	Sample overlap is not enabled
ALS Errors	Pause for user interaction
Front SS Inlet He	
Helium Conservation Controlled	Off
Mode	Split
Heater	On 250 °C
Pressure	On 10 psi
Total Flow	On 35.096 mL/min
Septum Purge Flow	On 3 mL/min
Pre-Run Flow Test	Off
Gas Saver	On 20 mL/min after 3 min
Split Ratio	50 :1
Split Flow	31.466 mL/min
Liner	A Liner has not been selected.
Back SS Inlet He	
Helium Conservation Controlled	Off
Mode	Split
Heater	On 300 °C
Pressure	On 15 psi
Total Flow	On 195.71 mL/min
Septum Purge Flow	On 3 mL/min
Pre-Run Flow Test	Off
Gas Saver	Off
Split Ratio	50 :1
Split Flow	188.93 mL/min
Liner	A Liner has not been selected.
Column	
Column #1	
Pressure	
Setpoint	On
(Initial)	10 psi
Post Run	7.903 psi

Column Information	Agilent 19091S-602
Description	HP-1MS
Temperature Range	-60 °C-325 °C (350 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm (Calibrated)
Heater	Oven
Column lock	Unlocked
	Front SS Inlet He
	MSD
(Initial)	200 °C
Pressure	10 psi
Flow	0.62932 mL/min
Average Velocity	47.607 cm/sec
Holdup Time	0.43761 min
Control Mode	Constant Pressure

Column #2	
Pressure	
Setpoint	On
(Initial)	15 psi
Post Run	2.8778 psi

Column Information	Agilent 19091S-913
Temperature Range	-60 °C-325 °C (350 °C)
Dimensions	15 m x 320 µm x 0.25 µm (Calibrated)
Heater	Oven
Column lock	Unlocked
In	Back SS Inlet He
Out	Back Detector FID
(Initial)	200 °C
Pressure	15 psi
Flow	3.7787 mL/min
Average Velocity	79.511 cm/sec
Holdup Time	0.31442 min
Control Mode	Constant Pressure

Column Outlet Pressure	0 psi
------------------------	-------

Back Detector FID	
Makeup	He
Heater	On 300 °C
H2 Flow	On 30 mL/min
Air Flow	On 400 mL/min
Makeup Flow	On 25 mL/min
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	On
Blank Evaluation Setpoints	
Perform Blank Evaluation Test	Off

Helium Conservation	
Helium Valve	Off
Nitrogen Valve	Off

Detector Evaluation	
Perform Detector Evaluation Test	Off

MSD Transfer Line	
Temperature	
Setpoint	On
(Initial)	280 °C

Signals	
Signal #1: Back Signal	
Description	Back Signal

Details
Save
Data Rate
Dual Injection Assignment

Back Signal (FID)
On
50 Hz
Back Sample

Signal #2:
Description

None

Signal #3:
Description

None

Signal #4:
Description

None

Signal #5:
Description

None

Signal #6:
Description

None

Signal #7:
Description

None

Signal #8:
Description

None

TUNE PARAMETERS for SN: US2246MS10

Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
29.720	:	REPELLER	
90.331	:	IONFOCUS	
20.181	:	ENTRANCE_LENS	
883.721	:	EMVOLTS	
		913.2	: Actual EMV
		1.00	: GAIN FACTOR
3335.000	:	AMUGAIN	
132.750	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
13.233	:	ENTLENSOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
421.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

DATA ANALYSIS PARAMETERS

Method Name: D:\MassHunter\GCMS\1\methods\GC200.M

Percent Report Settings

Sort By: Signal

Output Destination

Screen: No
Printer: Yes
File: No

Integration Events: AutoIntegrate

Generate Report During Run Method: No

Signal Correlation Window: 0.020

Quantitative Report Settings

Report Type: Summary

Output Destination

Screen: Yes
Printer: No
File: No

Generate Report During Run Method: No

Calibration Last Updated:

Reference Window: 10.00 Percent
Non-Reference Window: 5.00 Percent
Correlation Window: 0.02 minutes
Default Multiplier: 1.00
Default Sample Concentration: 0.00

Compound Information

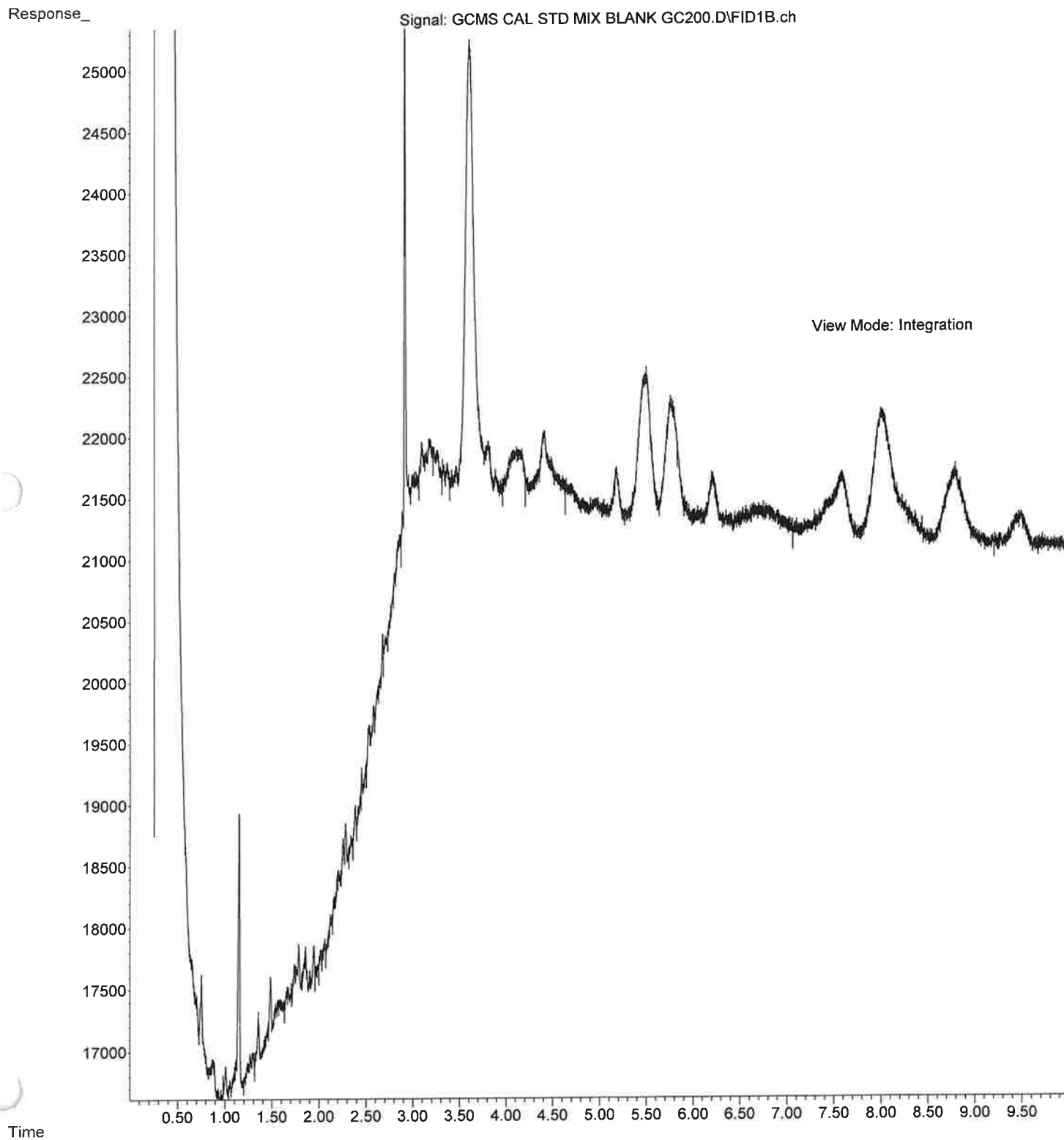
*** Empty Quantitation Database ***

END OF DATA ANALYSIS PARAMETERS

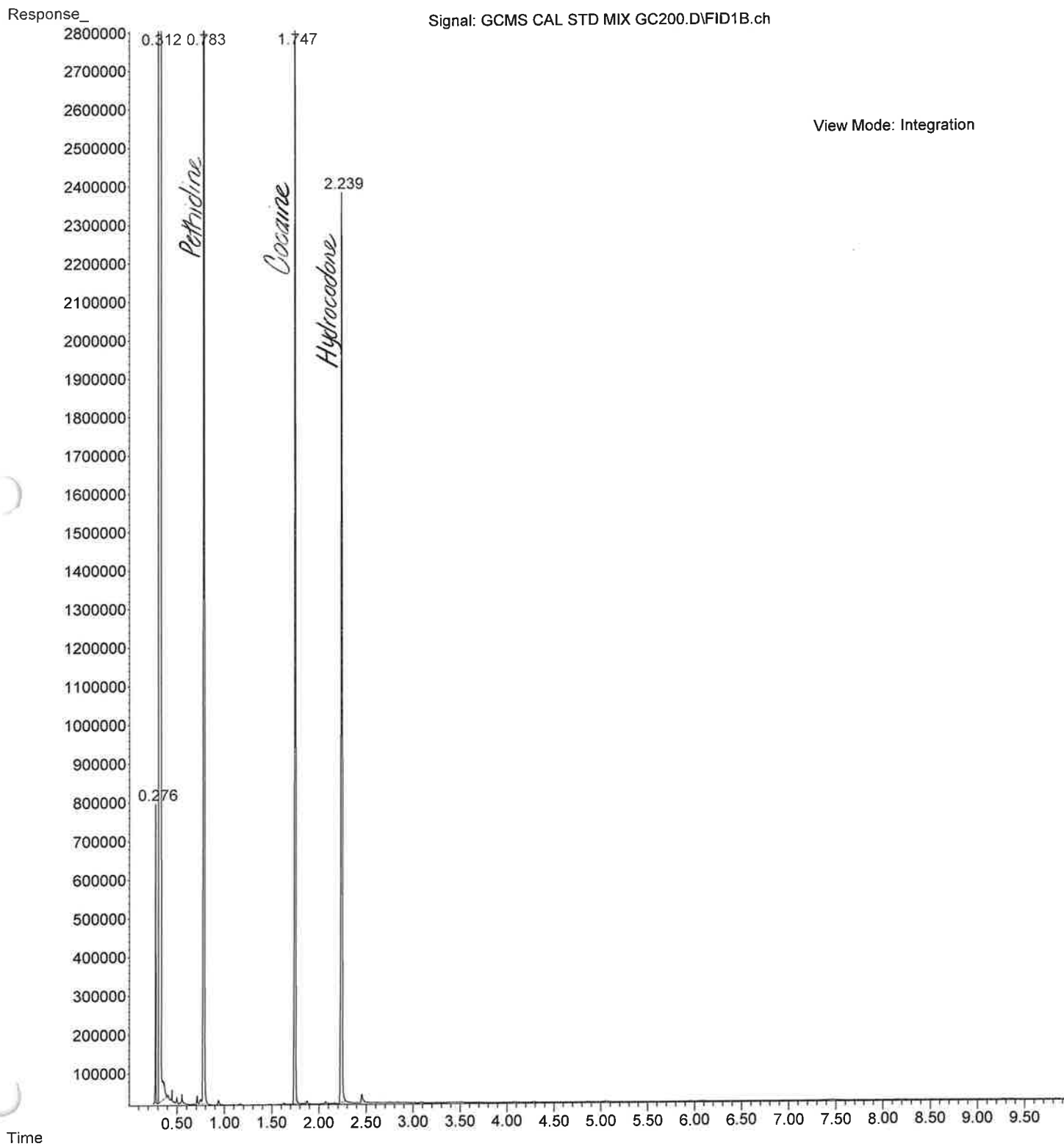
Tue Apr 04 10:26:31 2023

OK

File :X:\2023\IB\04-25-23\GCMS CAL STD MIX BLANK GC200.D
Operator : Isabella Barnett
Acquired : 25 Apr 2023 09:59 using AcqMethod GC200.M
Instrument : Stringbean
Sample Name: GCMS CAL STD MIX BLANK GC200
Misc Info : MEOH
Vial Number: 1

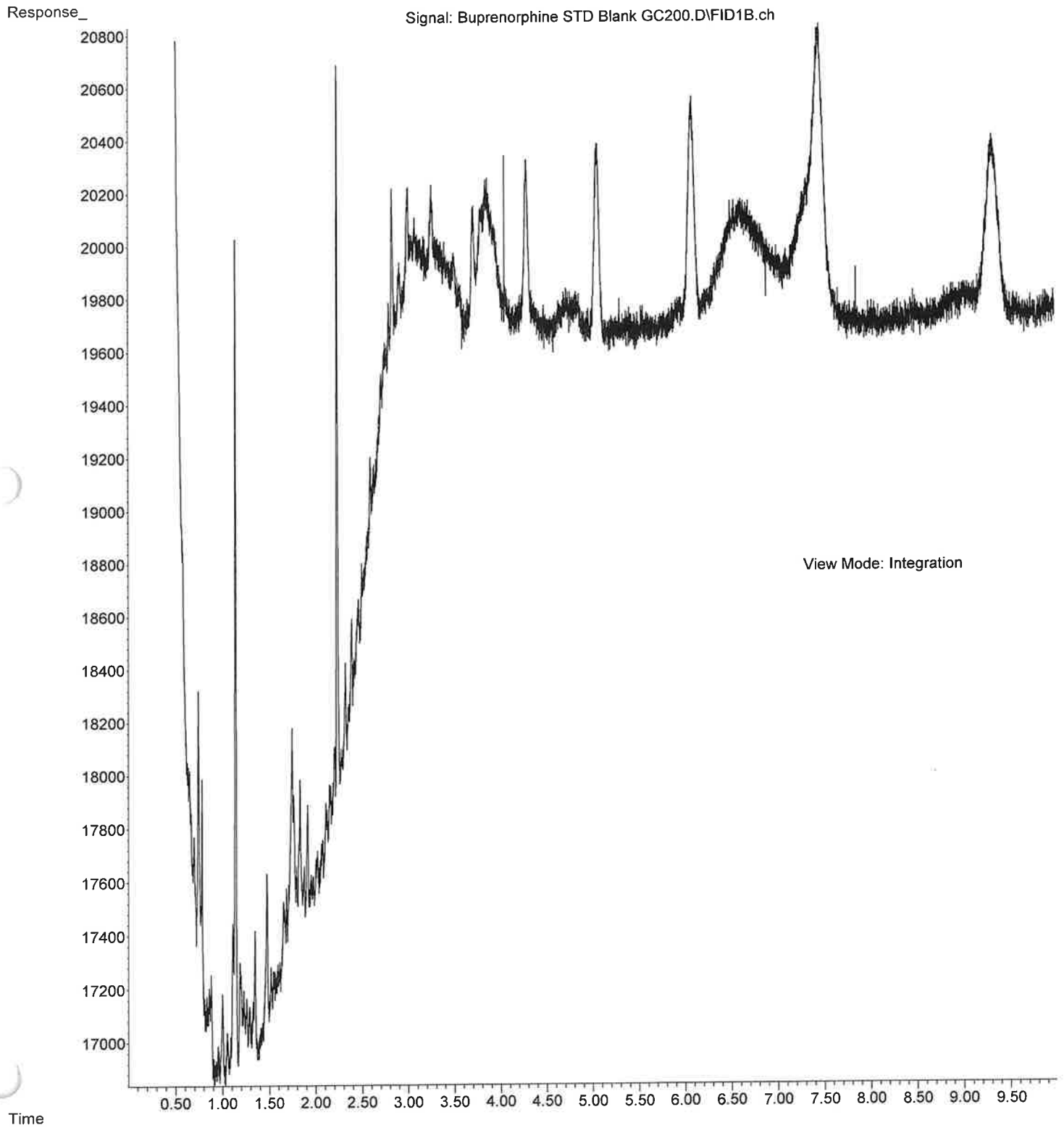


File :X:\2023\IB\04-25-23\GCMS CAL STD MIX GC200.D
Operator : Isabella Barnett
Acquired : 25 Apr 2023 10:23 using AcqMethod GC200.M
Instrument : Stringbean
Sample Name: GCMS CAL STD MIX GC200
Misc Info : ME0H,Exp.03-20-24
Vial Number: 1



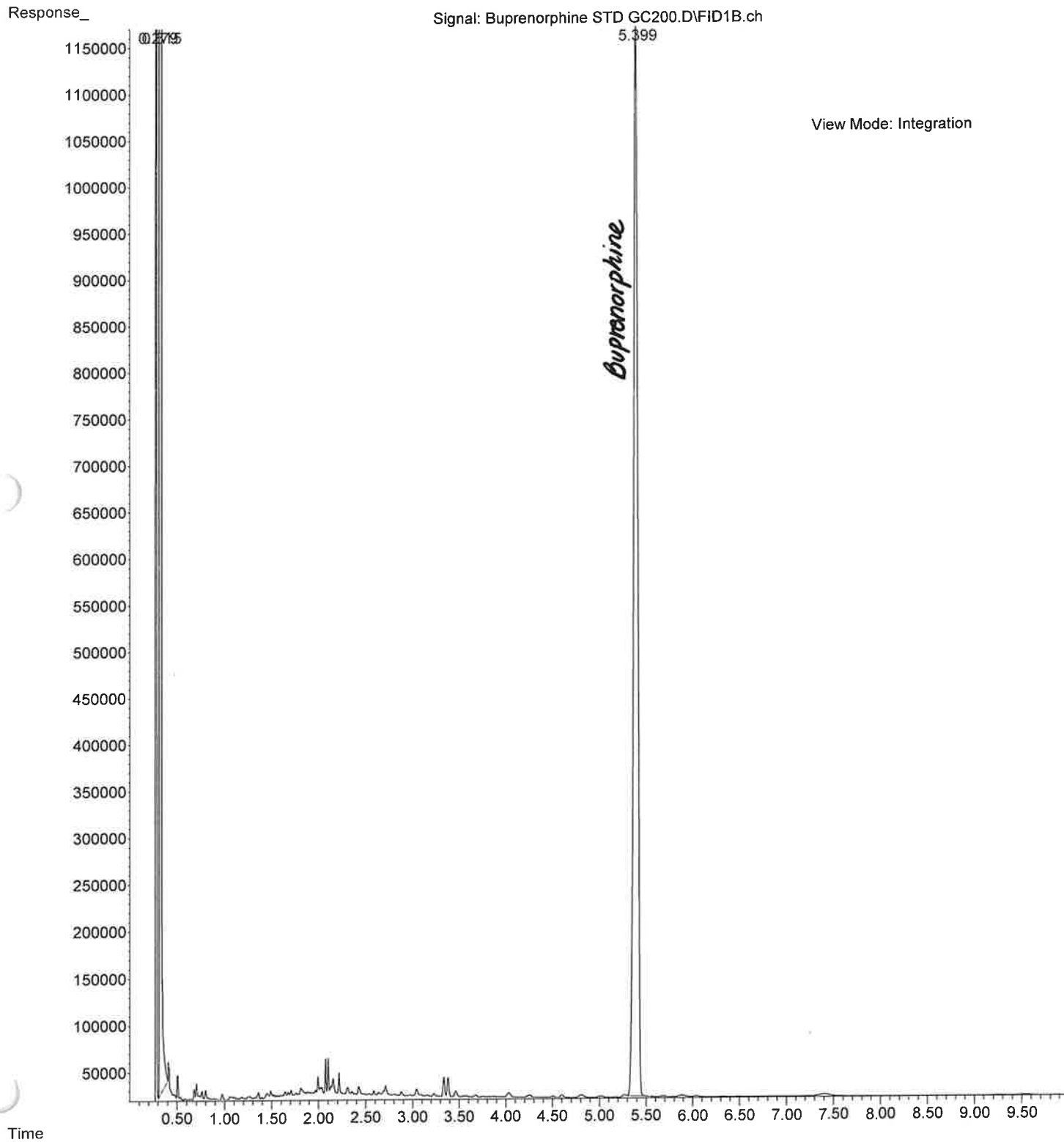
OK

File :X:\2023\IB\04-25-23\Buprenorphine STD Blank GC200.D
Operator : Isabella Barnett
Acquired : 25 Apr 2023 10:48 using AcqMethod GC200.M
Instrument : Stringbean
Sample Name: Buprenorphine STD Blank GC200
Misc Info : ME0H
Vial Number: 1



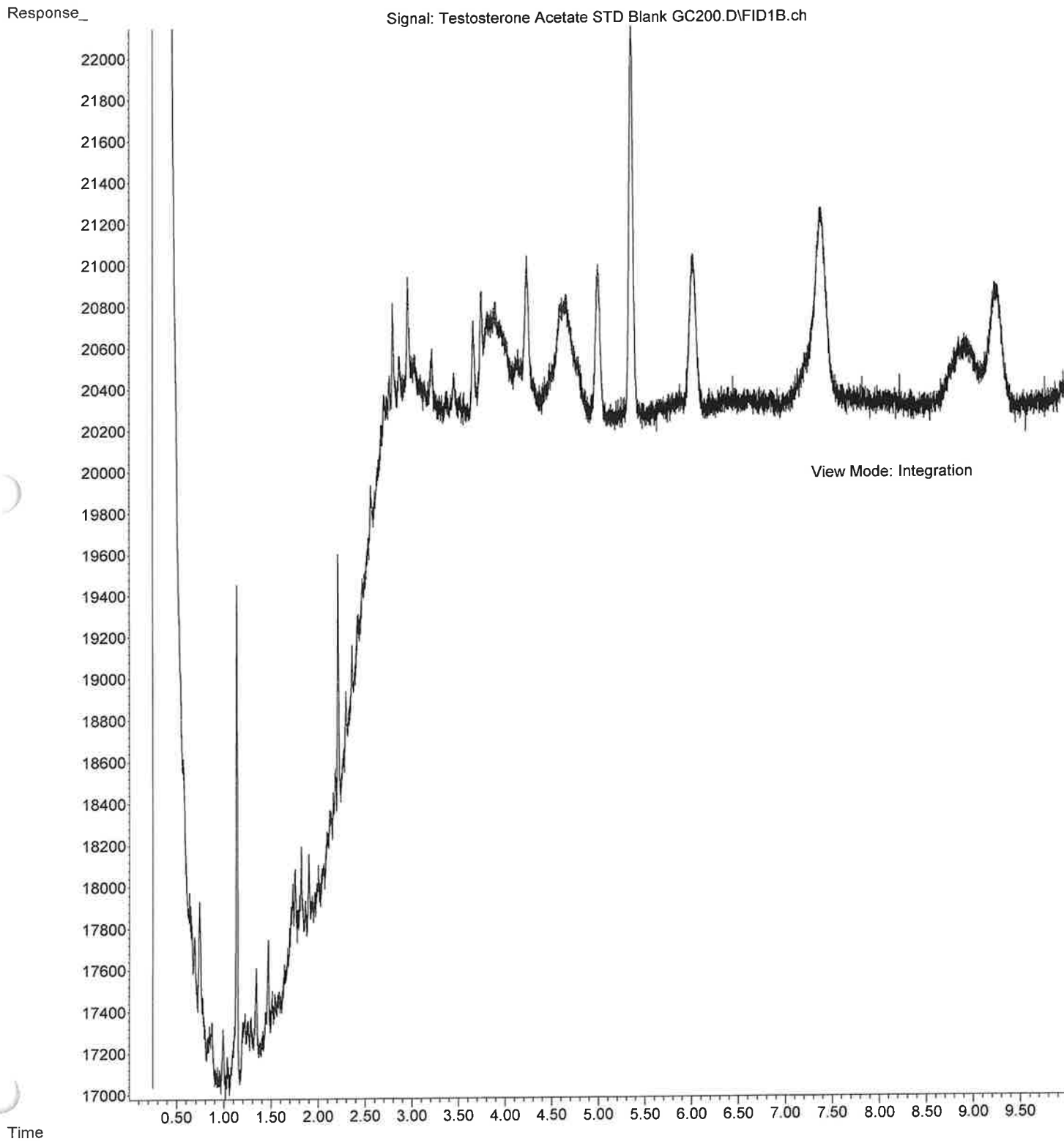
alk

File :X:\2023\IB\04-25-23\Buprenorphine STD GC200.D
Operator : Isabella Barnett
Acquired : 25 Apr 2023 11:02 using AcqMethod GC200.M
Instrument : Stringbean
Sample Name: Buprenorphine STD GC200
Misc Info : ME0H,Cerilliant,LotFE03191903,Exp.06-24
Vial Number: 1



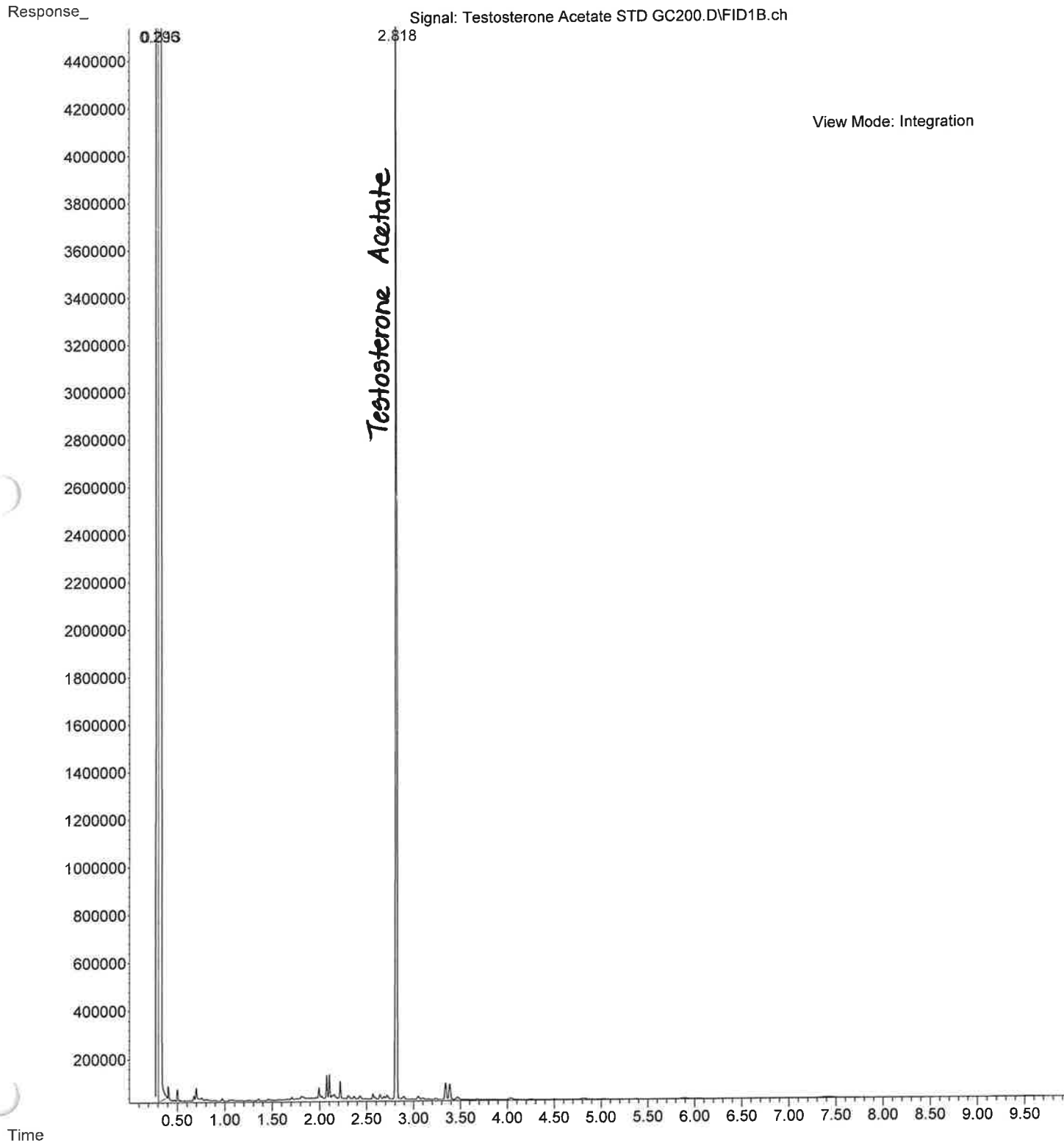
9/12

File :X:\2023\IB\04-25-23\Testosterone Acetate STD Blank GC200.D
Operator : Isabella Barnett
Acquired : 25 Apr 2023 11:15 using AcqMethod GC200.M
Instrument : Stringbean
Sample Name: Testosterone Acetate STD Blank GC200
Misc Info : MEOH
Vial Number: 1



thb

File :X:\2023\IB\04-25-23\Testosterone Acetate STD GC200.D
Operator : Isabella Barnett
Acquired : 25 Apr 2023 11:31 using AcqMethod GC200.M
Instrument : 88XX
Sample Name: Testosterone Acetate STD GC200
Misc Info : ME0H,Sigma,Lot19F0299,Exp.02-06-24
Vial Number: 1



METHOD CONTROL PARAMETERS

Method Information for: D:\MassHunter\GCMS\1\methods\GC150ISO.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:

This is a manual injection GC 150 Isothermal / 10 minute method.

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	D:\MassHunter\GCMS\1\methods\GC150ISO.M
Tune file	ATUNE.U
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.0
Acquisition Type	Scan
Stop time (min)	10.00
Solvent delay (min)	3.00
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
3.00	50	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
------	-------------

D:\MassHunter\GCMS\1\methods\GC150ISO.M
Tue Apr 04 10:22:11 2023

Control Information

Sample Inlet : GC
Injection Source : Manual
Mass Spectrometer : Disabled

No Sample Prep method has been assigned to this method.

GC
GC Summary
Run Time 10 min
Post Run Time 0 min

Oven
Temperature
Setpoint On
(Initial) 150 °C
Hold Time 1 min
Post Run 50 °C
Program
#1 Rate 70 °C/min
#1 Value 150 °C
#1 Hold Time 9 min

Equilibration Time 0.25 min
Max Temperature 350 °C
Minimum Temperature Override Disabled
W Fan Disabled

ALS
Front 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 3 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	1 µL
Sample Pumps	0
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.5 µL
Solvent Wash Mode	A, B
Sample Overlap	
Mode	Sample overlap is not enabled
ALS Errors	Pause for user interaction
Front SS Inlet He	
Helium Conservation Controlled	Off
Mode	Split
Heater	On 250 °C
Pressure	On 10 psi
Total Flow	On 41.72 mL/min
Septum Purge Flow	On 3 mL/min
Pre-Run Flow Test	Off
Gas Saver	On 20 mL/min after 3 min
Split Ratio	50 :1
Split Flow	37.96 mL/min
Liner	A Liner has not been selected.
Back SS Inlet He	
Helium Conservation Controlled	Off
Mode	Split
Heater	On 300 °C
Pressure	On 12.5 psi
Total Flow	On 185.83 mL/min
Septum Purge Flow	On 3 mL/min
Pre-Run Flow Test	Off
Gas Saver	Off
Split Ratio	50 :1
Split Flow	179.24 mL/min
Liner	A Liner has not been selected.
Column	
Column #1	
Pressure	
Setpoint	On
(Initial)	10 psi
Post Run	7.903 psi

Column Information
Description
Temperature Range
Dimensions
Heater
Column lock
(Initial)
Pressure
Flow
Average Velocity
Holdup Time
Control Mode

Agilent 19091S-602
HP-1MS
-60 °C-325 °C (350 °C)
12.5 m x 200 µm x 0.33 µm (Calibrated)
Oven
Unlocked
Front SS Inlet He
MSD
150 °C
10 psi
0.75921 mL/min
51.363 cm/sec
0.40561 min
Constant Pressure

Column #2
Pressure
Setpoint
(Initial)
Post Run

On
12.5 psi
2.8778 psi

Column Information
Temperature Range
Dimensions
Heater
Column lock
In
Out
(Initial)
Pressure
Flow
Average Velocity
Holdup Time
Control Mode

Agilent 19091S-913
-60 °C-325 °C (350 °C)
15 m x 320 µm x 0.25 µm (Calibrated)
Oven
Unlocked
Back SS Inlet He
Back Detector FID
150 °C
12.5 psi
3.5849 mL/min
72.069 cm/sec
0.34689 min
Constant Pressure

Column Outlet Pressure

0 psi

Back Detector FID
Makeup
Heater
H2 Flow
Air Flow
Makeup Flow
Carrier Gas Flow Correction
Flame
Blank Evaluation Setpoints
Perform Blank Evaluation Test

He
On 300 °C
On 30 mL/min
On 400 mL/min
On 25 mL/min
Constant Makeup and Fuel Flow
On
Off

Helium Conservation
Helium Valve
Nitrogen Valve

Off
Off

Detector Evaluation
Perform Detector Evaluation Test

Off

MSD Transfer Line
Temperature
Setpoint
(Initial)

On
280 °C

Signals
Signal #1: Back Signal
Description

Back Signal

Details
Save
Data Rate
Dual Injection Assignment

Back Signal (FID)
On
50 Hz
Back Sample

Signal #2:
Description

None

Signal #3:
Description

None

Signal #4:
Description

None

Signal #5:
Description

None

Signal #6:
Description

None

Signal #7:
Description

None

Signal #8:
Description

None

TUNE PARAMETERS for SN: US2246MS10

Trace Ion Detection is OFF.

34.593 : EMISSION
70.007 : ENERGY
29.720 : REPELLER
90.331 : IONFOCUS
20.181 : ENTRANCE_LENS
883.721 : EMVOLTS
913.2 : Actual EMV
1.00 : GAIN FACTOR
3335.000 : AMUGAIN
132.750 : AMUOFFSET
1.000 : FILAMENT
0.000 : DCPOLARITY
13.233 : ENTLENSOFFSET
0.000 : Ion_Body
0.000 : EXTLENS
421.000 : MASSGAIN
-25.000 : MASSOFFSET

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

DATA ANALYSIS PARAMETERS

Method Name: D:\MassHunter\GCMS\1\methods\GC150ISO.M

Percent Report Settings

Sort By: Signal

Output Destination

Screen: No
Printer: Yes
File: No

Integration Events: AutoIntegrate

Generate Report During Run Method: No

Signal Correlation Window: 0.020

Quantitative Report Settings

Report Type: Summary

Output Destination

Screen: Yes
Printer: No
File: No

Generate Report During Run Method: No

Calibration Last Updated:

Reference Window: 10.00 Percent
Non-Reference Window: 5.00 Percent
Correlation Window: 0.02 minutes
Default Multiplier: 1.00
Default Sample Concentration: 0.00

Compound Information

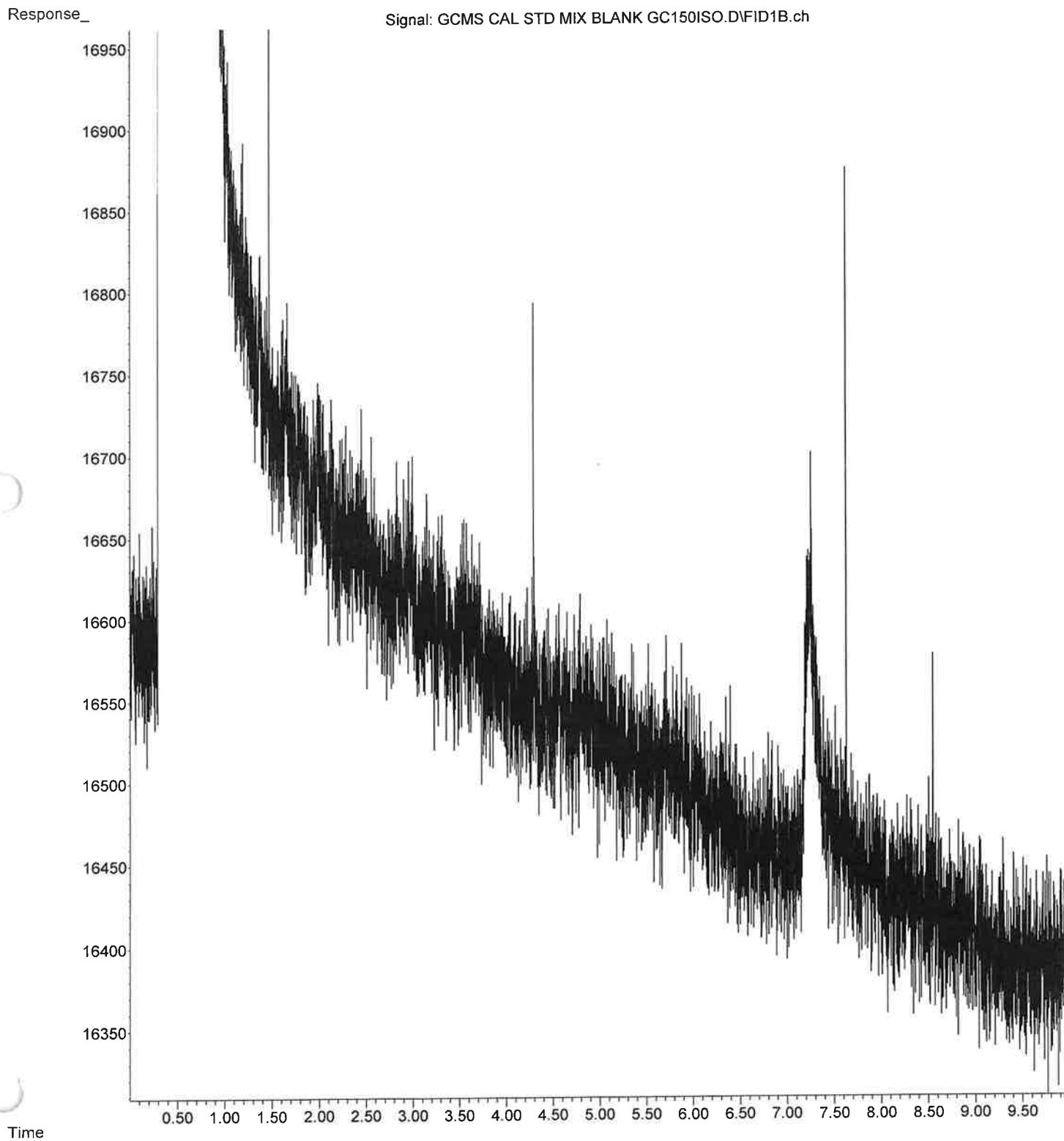
*** Empty Quantitation Database ***

END OF DATA ANALYSIS PARAMETERS

Tue Apr 04 10:22:13 2023

EB

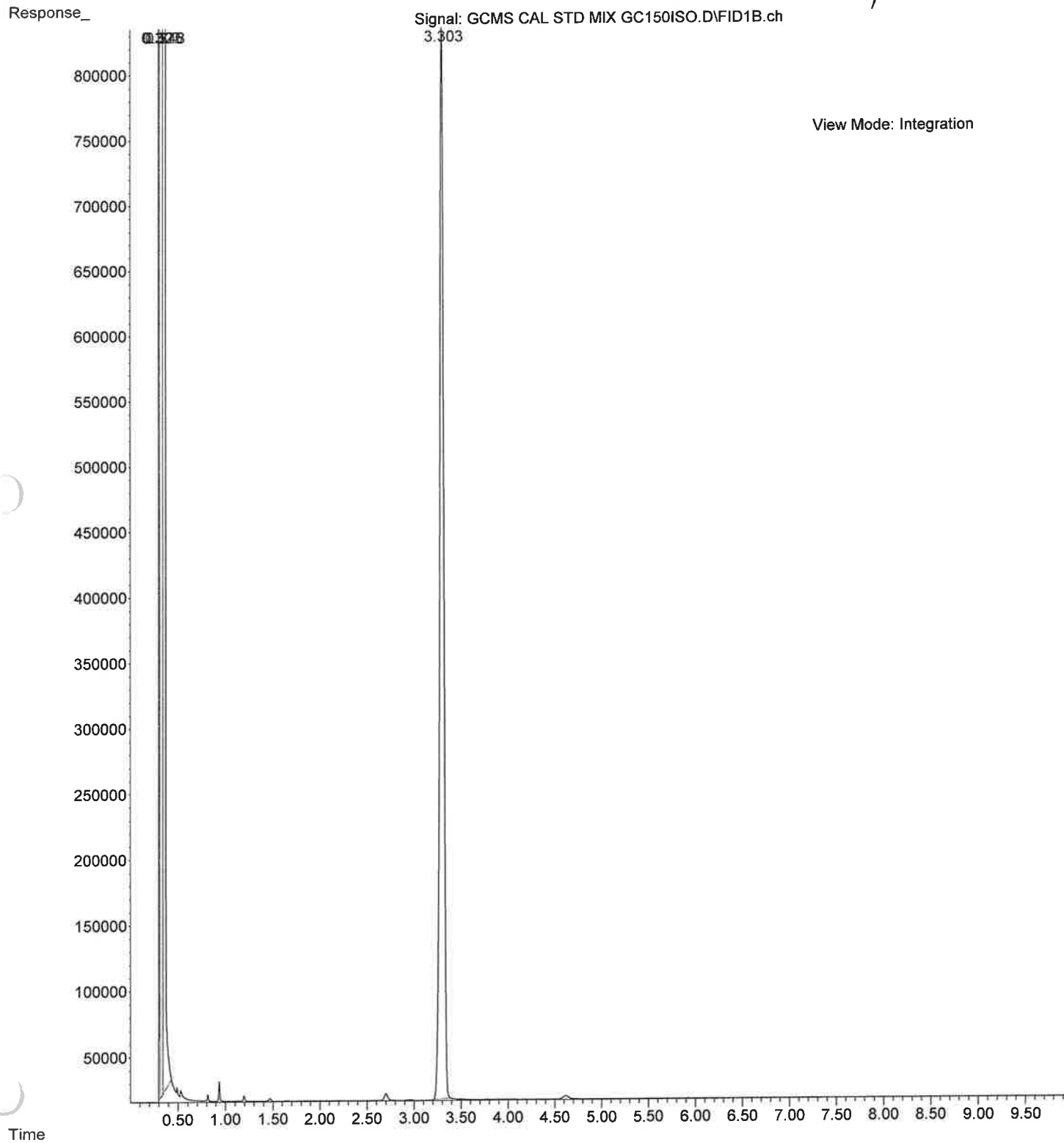
File :X:\2023\IB\04-25-23\GCMS CAL STD MIX BLANK GC150ISO.D
Operator : Isabella Barnett
Acquired : 25 Apr 2023 11:44 using AcqMethod GC150ISO.M
Instrument : Stringbean
Sample Name: GCMS CAL STD MIX BLANK GC150ISO
Misc Info : MEOH
Vial Number: 1



Uk

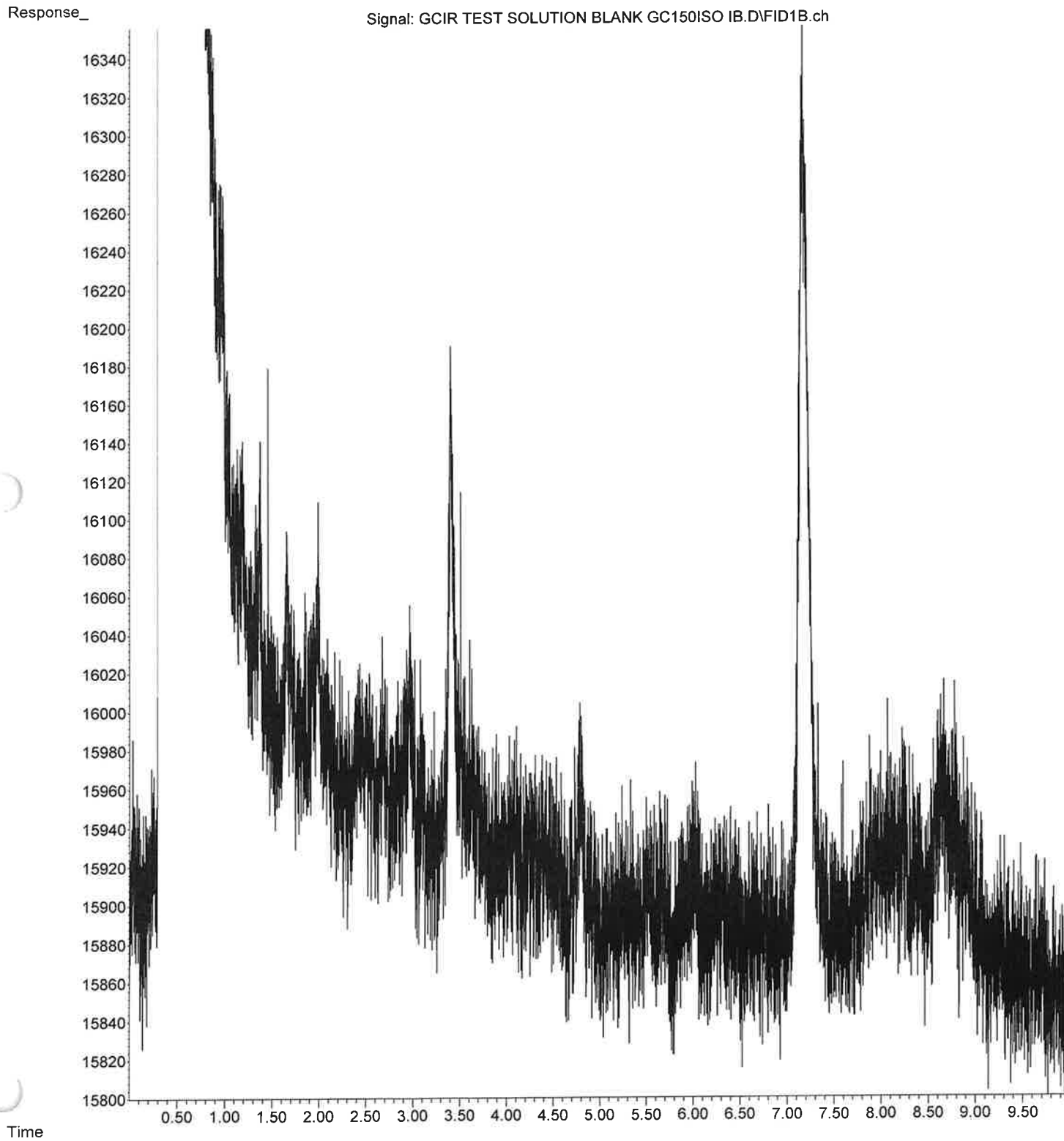
File :X:\2023\IB\04-25-23\GCMS CAL STD MIX GC150ISO.D
Operator : Isabella Barnett
Acquired : 25 Apr 2023 12:05 using AcqMethod GC150ISO.M
Instrument : Stringbean
Sample Name: GCMS CAL STD MIX GC150ISO
Misc Info : ME0H,Exp.03-20-24
Vial Number: 1

No separation uk



W

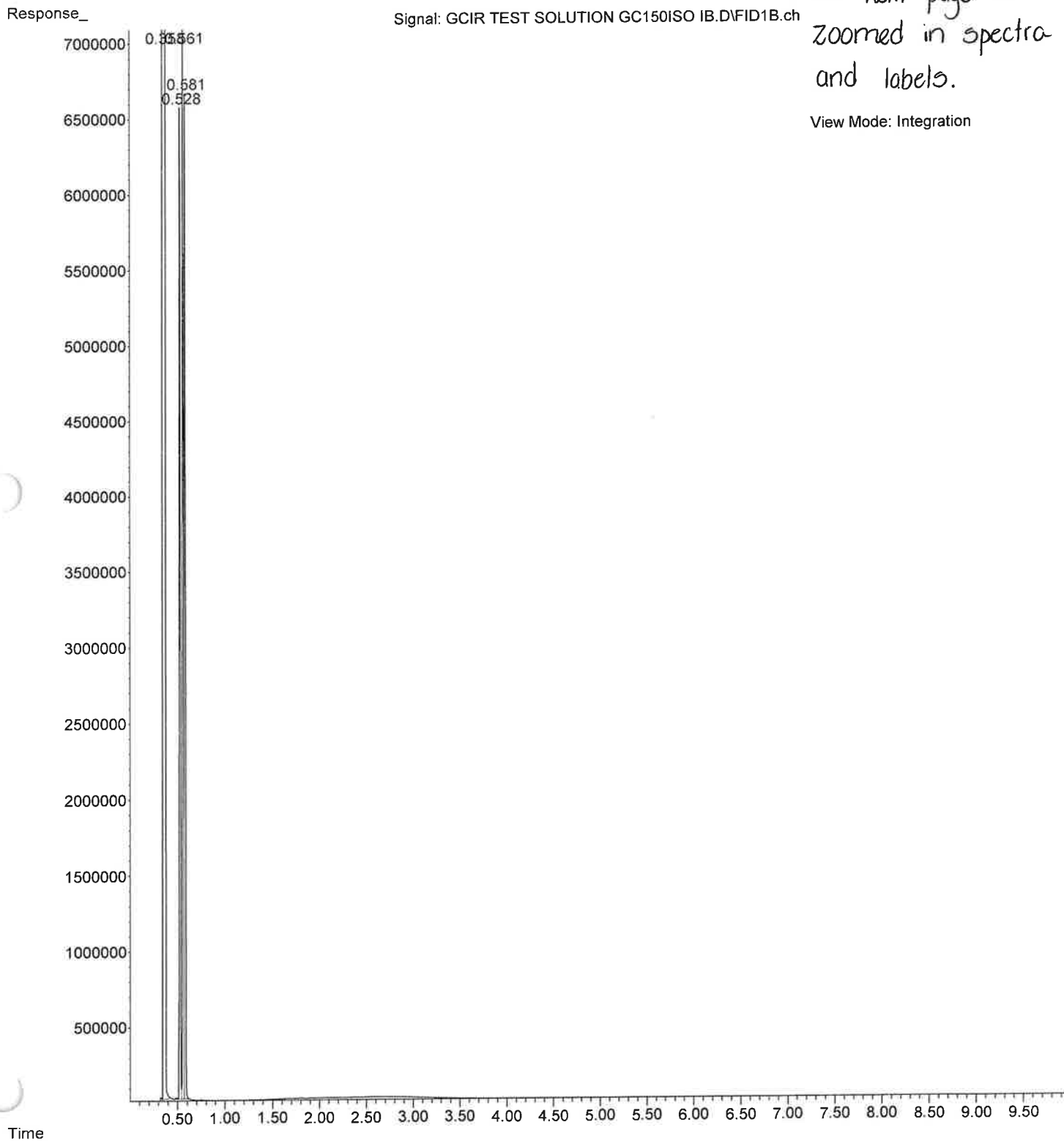
File :X:\2023\IB\04-25-23\GCIR TEST SOLUTION BLANK GC150ISO IB.D
Operator : Isabella Barnett
Acquired : 25 Apr 2023 12:31 using AcqMethod GC150ISO.M
Instrument : Stringbean
Sample Name: GCIR TEST SOLUTION BLANK GC150ISO IB
Misc Info : MEOW
Vial Number: 1



MB

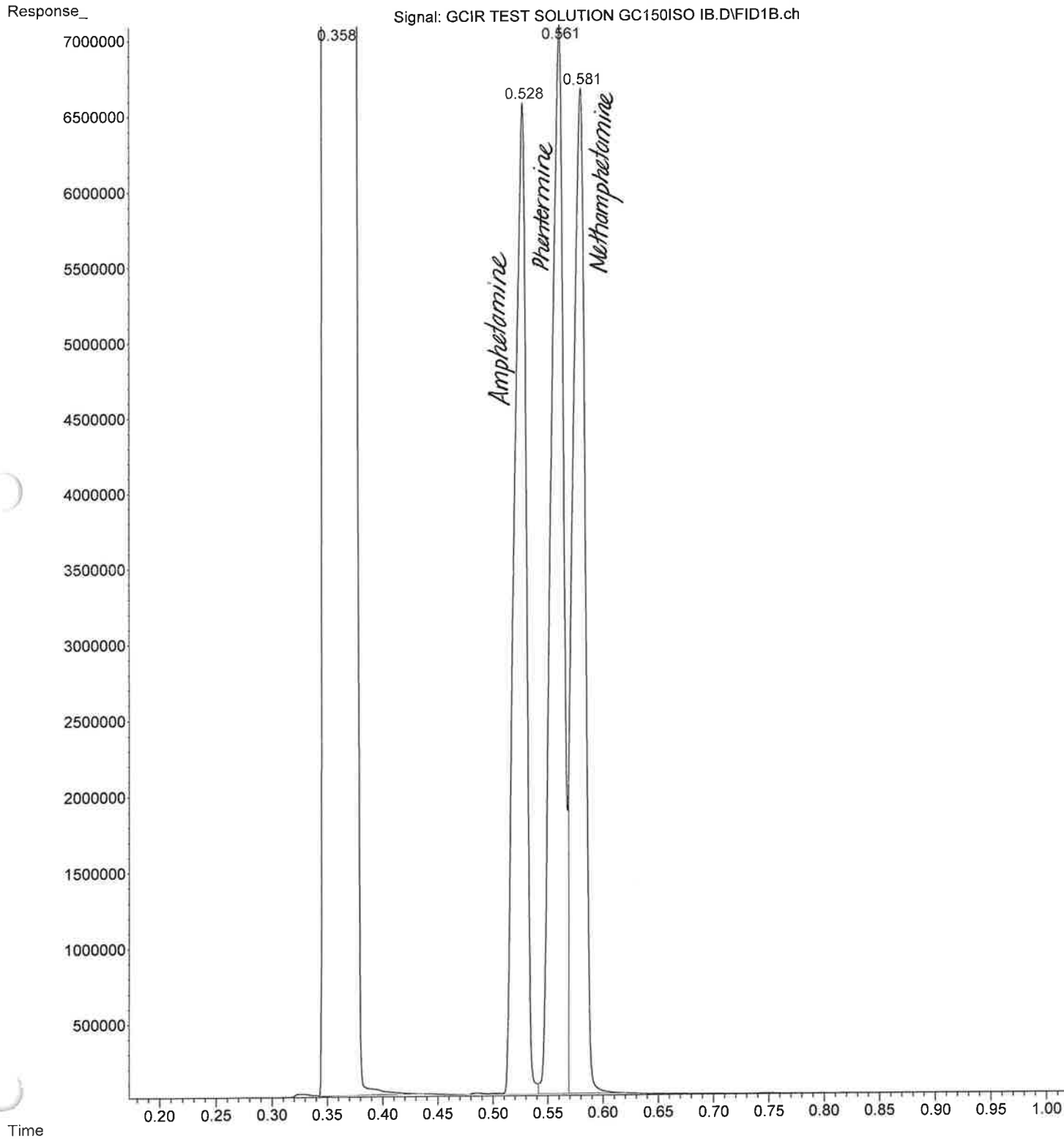
File :X:\2023\IB\04-25-23\GCIR TEST SOLUTION GC150ISO IB.D
Operator : Isabella Barnett
Acquired : 25 Apr 2023 12:47 using AcqMethod GC150ISO.M
Instrument : Stringbean
Sample Name: GCIR TEST SOLUTION GC150ISO IB
Misc Info : ME0H,Exp.04-20-24
Vial Number: 1

See next page for
Zoomed in spectra
and labels.



96

File : X:\2023\IB\04-25-23\GCIR TEST SOLUTION GC150ISO IB.D
Operator : Isabella Barnett
Acquired : 25 Apr 2023 12:47 using AcqMethod GC150ISO.M
Instrument : Stringbean
Sample Name: GCIR TEST SOLUTION GC150ISO IB
Misc Info : MEOH, Exp. 04-20-24
Vial Number: 1



METHOD CONTROL PARAMETERS

Method Information for: D:\MassHunter\GCMS\1\methods\GC280ISO.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:

This is manual injection GC 280 Isothermal / 10 minute method.

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	D:\MassHunter\GCMS\1\methods\GC280ISO.M
Tune file	ATUNE.U
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.0
Acquisition Type	Scan
Stop time (min)	10.00
Solvent delay (min)	3.00
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
3.00	50	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
------	-------------

D:\MassHunter\GCMS\1\methods\GC280ISO.M

Tue Apr 04 10:18:21 2023

Control Information

Sample Inlet : GC
Injection Source : Manual
Mass Spectrometer : Disabled

No Sample Prep method has been assigned to this method.

GC

GC Summary

Run Time 10 min
Post Run Time 0 min

Oven

Temperature
Setpoint On
(Initial) 280 °C
Hold Time 1 min
Post Run 50 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 9 min

Equilibration Time 0.25 min
Max Temperature 350 °C
Minimum Temperature Override Disabled
On Fan Disabled

ALS

Front 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 3 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	0
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.5 µL
Solvent Wash Mode	A, B
Sample Overlap	
Mode	Sample overlap is not enabled
ALS Errors	Pause for user interaction
Front SS Inlet He	
Helium Conservation Controlled	Off
Mode	Split
Heater	On 250 °C
Pressure	On 10 psi
Total Flow	On 27.687 mL/min
Septum Purge Flow	On 3 mL/min
Pre-Run Flow Test	Off
Gas Saver	On 20 mL/min after 3 min
Split Ratio	50 :1
Split Flow	24.203 mL/min
Liner	A Liner has not been selected.
Back SS Inlet He	
Helium Conservation Controlled	Off
Mode	Split
Heater	On 300 °C
Pressure	On 17.5 psi
Total Flow	On 185.67 mL/min
Septum Purge Flow	On 3 mL/min
Pre-Run Flow Test	Off
Gas Saver	Off
Split Ratio	50 :1
Split Flow	179.09 mL/min
Liner	A Liner has not been selected.
Column	
Column #1	
Pressure	
Setpoint	On
(Initial)	10 psi
Post Run	7.903 psi

Column Information
Description
Temperature Range
Dimensions
Heater
Column lock
(Initial)
Pressure
Flow
Average Velocity
Holdup Time
Control Mode

Agilent 19091S-602
HP-1MS
-60 °C-325 °C (350 °C)
12.5 m x 200 µm x 0.33 µm (Calibrated)
Oven
Unlocked
Front SS Inlet He
MSD
280 °C
10 psi
0.48406 mL/min
42.809 cm/sec
0.48666 min
Constant Pressure

Column #2
Pressure
Setpoint
(Initial)
Post Run

On
17.5 psi
2.8778 psi

Column Information
Temperature Range
Dimensions
Heater
Column lock
In
Out
(Initial)
Pressure
Flow
Average Velocity
Holdup Time
Control Mode

Agilent 19091S-913
-60 °C-325 °C (350 °C)
15 m x 320 µm x 0.25 µm (Calibrated)
Oven
Unlocked
Back SS Inlet He
Back Detector FID
280 °C
17.5 psi
3.5818 mL/min
82.747 cm/sec
0.30213 min
Constant Pressure

Column Outlet Pressure

0 psi

Back Detector FID
Makeup
Heater
H2 Flow
Air Flow
Makeup Flow
Carrier Gas Flow Correction
Flame
Blank Evaluation Setpoints
Perform Blank Evaluation Test

He
On 300 °C
On 30 mL/min
On 400 mL/min
On 25 mL/min
Constant Makeup and Fuel Flow
On
Off

Helium Conservation
Helium Valve
Nitrogen Valve

Off
Off

Detector Evaluation
Perform Detector Evaluation Test

Off

MSD Transfer Line
Temperature
Setpoint
(Initial)

On
280 °C

Signals
Signal #1: Back Signal
Description

Back Signal

Details	Back Signal (FID)
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Back Sample
Signal #2: Description	None
Signal #3: Description	None
Signal #4: Description	None
Signal #5: Description	None
Signal #6: Description	None
Signal #7: Description	None
Signal #8: Description	None

TUNE PARAMETERS for SN: US2246MS10

Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
29.720	:	REPELLER	
90.331	:	IONFOCUS	
20.181	:	ENTRANCE_LENS	
883.721	:	EMVOLTS	
		913.2	: Actual EMV
		1.00	: GAIN FACTOR
3335.000	:	AMUGAIN	
132.750	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
13.233	:	ENTLENSOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
421.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

DATA ANALYSIS PARAMETERS

Method Name: D:\MassHunter\GCMS\1\methods\GC280ISO.M

Percent Report Settings

Sort By: Signal

Output Destination

Screen: No
Printer: Yes
File: No

Integration Events: AutoIntegrate

Generate Report During Run Method: No

Signal Correlation Window: 0.020

Quantitative Report Settings

Report Type: Summary

Output Destination

Screen: Yes
Printer: No
File: No

Generate Report During Run Method: No

Calibration Last Updated:

Reference Window: 10.00 Percent
Non-Reference Window: 5.00 Percent
Correlation Window: 0.02 minutes
Default Multiplier: 1.00
Default Sample Concentration: 0.00

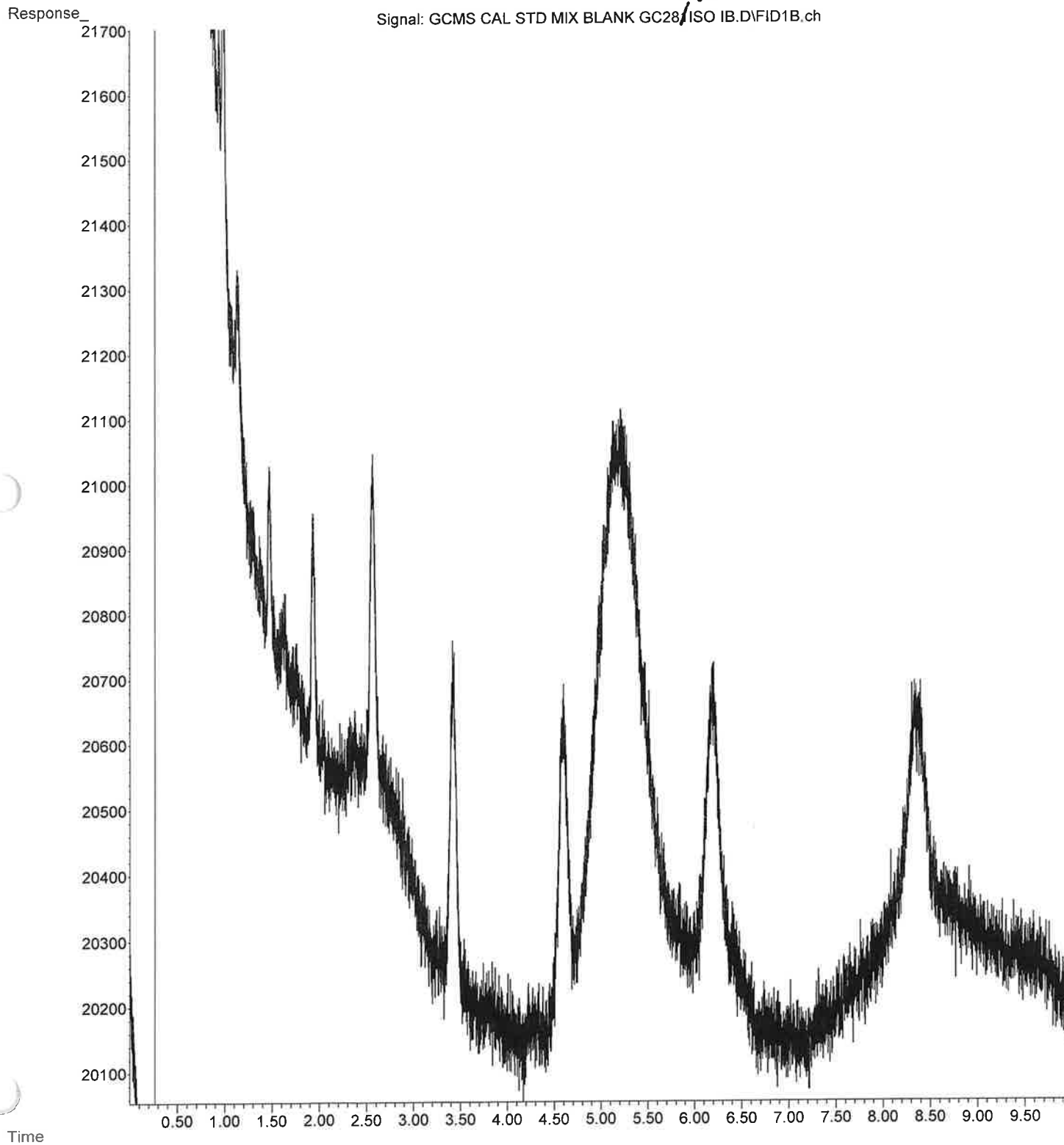
Compound Information

*** Empty Quantitation Database ***

END OF DATA ANALYSIS PARAMETERS

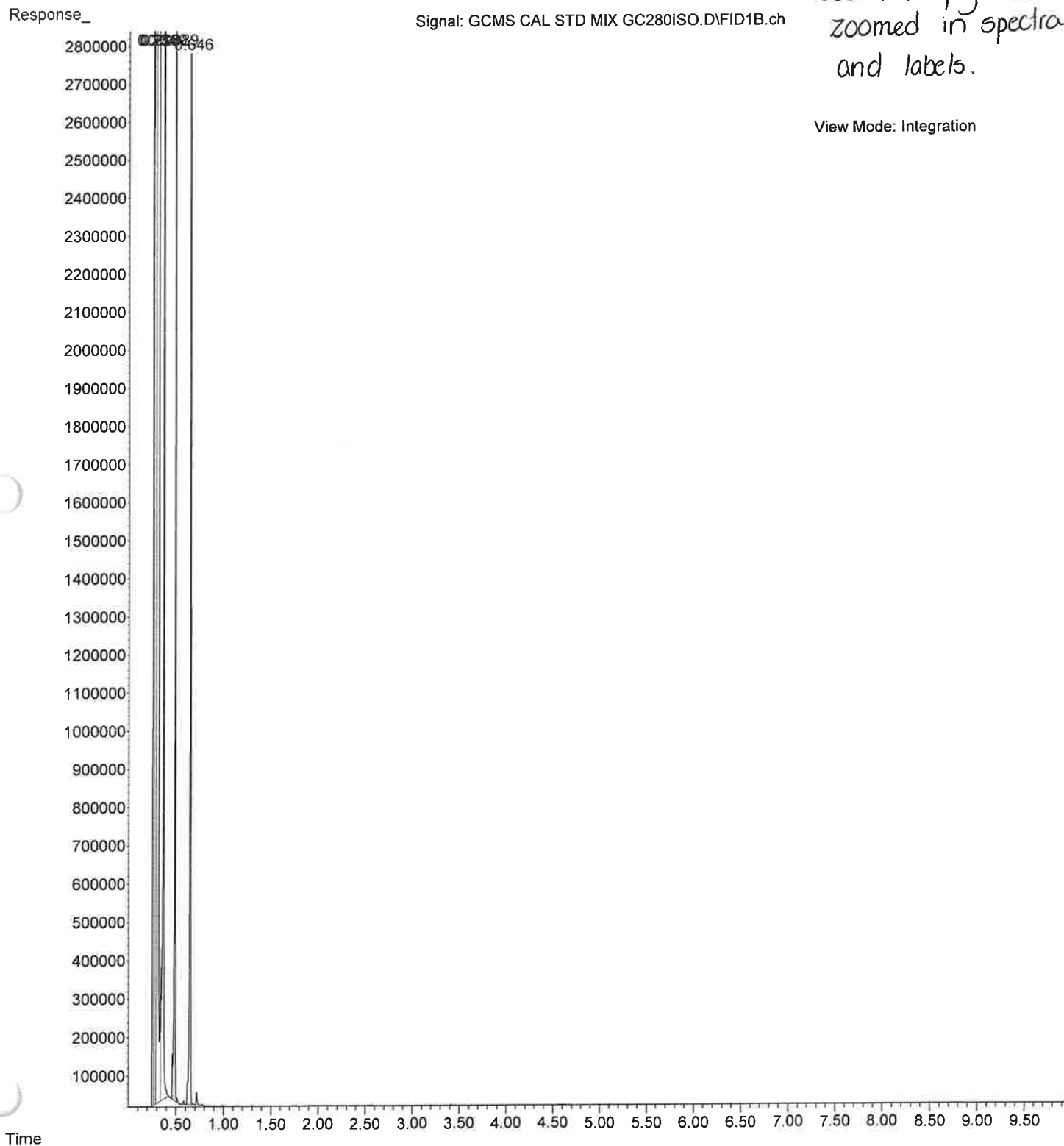
Tue Apr 04 10:18:22 2023

File :X:\2023\IB\04-25-23\GCMS CAL STD MIX BLANK GC28^{0.42}ISO IB.D
Operator : Isabella Barnett
Acquired : 25 Apr 2023 13:23 using AcqMethod GC280ISO.M
Instrument : Stringbean
Sample Name: GCMS CAL STD MIX BLANK GC280ISO IB
Misc Info : MEON
Vial Number: 1



202

File :X:\2023\IB\04-25-23\GCMS CAL STD MIX GC280ISO.D
Operator : Isabella Barnett
Acquired : 25 Apr 2023 13:36 using AcqMethod GC280ISO.M
Instrument : Stringbean
Sample Name: GCMS CAL STD MIX GC280ISO
Misc Info : ME0H,Exp.03-20-24
Vial Number: 1

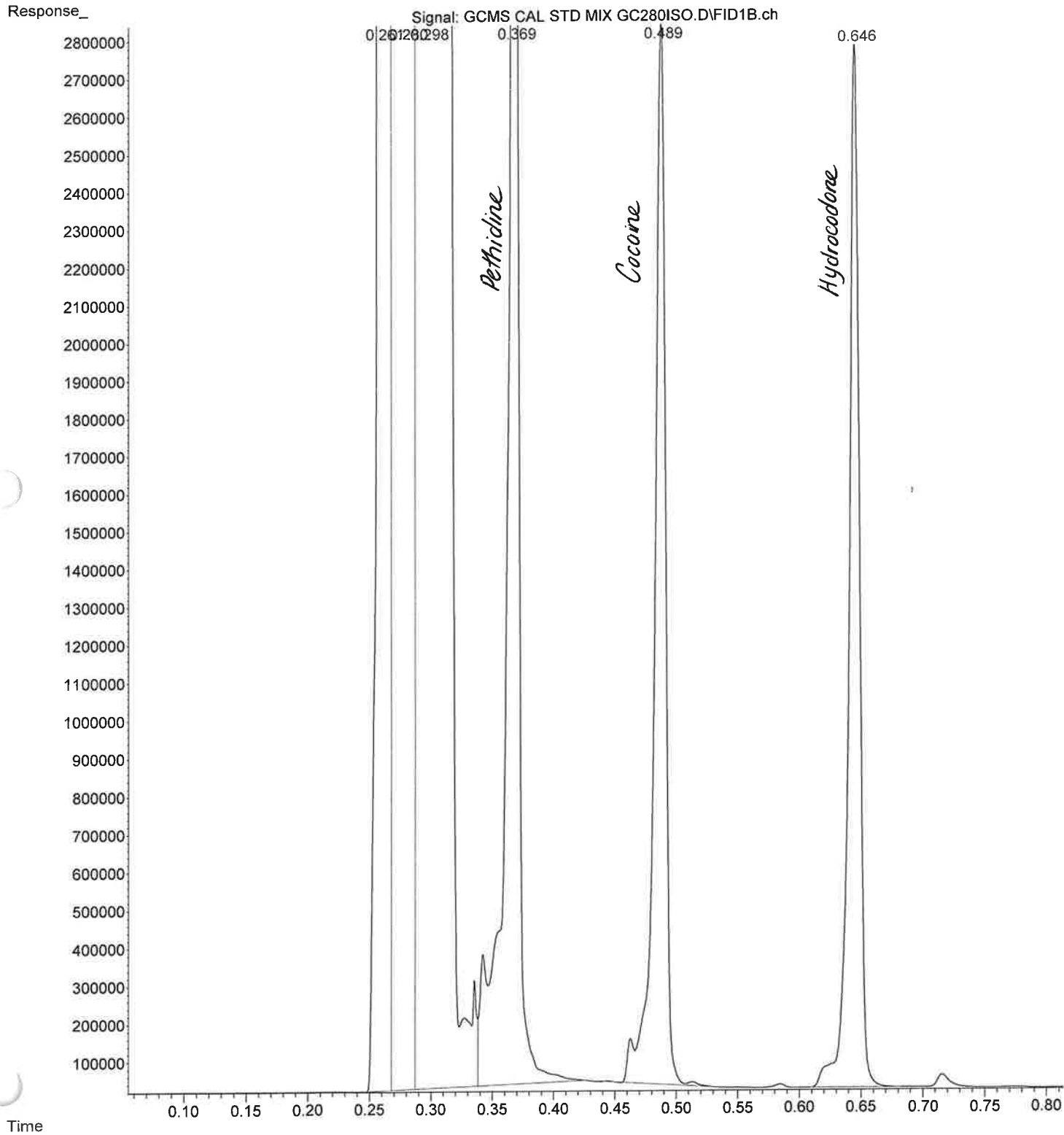


See next page for
zoomed in spectra
and labels.

View Mode: Integration

all

File :X:\2023\IB\04-25-23\GCMS CAL STD MIX GC280ISO.D
Operator : Isabella Barnett
Acquired : 25 Apr 2023 13:36 using AcqMethod GC280ISO.M
Instrument : Stringbean
Sample Name: GCMS CAL STD MIX GC280ISO
Misc Info : ME0H,Exp.03-20-24
Vial Number: 1



ME

File :X:\2023\IB\04-26-23\Testosterone Acetate Std Blank GC280ISO
... IB.D
Operator :
Instrument : Stringbean
Acquired : 26 Apr 2023 09:58 using AcqMethod GC280ISO.M
Sample Name: Testosterone Acetate Std Blank GC280ISO IB
Misc Info : MEOH

Response_

Signal: Testosterone Acetate Std Blank GC280ISO IB.D\FID1B.ch

View Mode: Integration

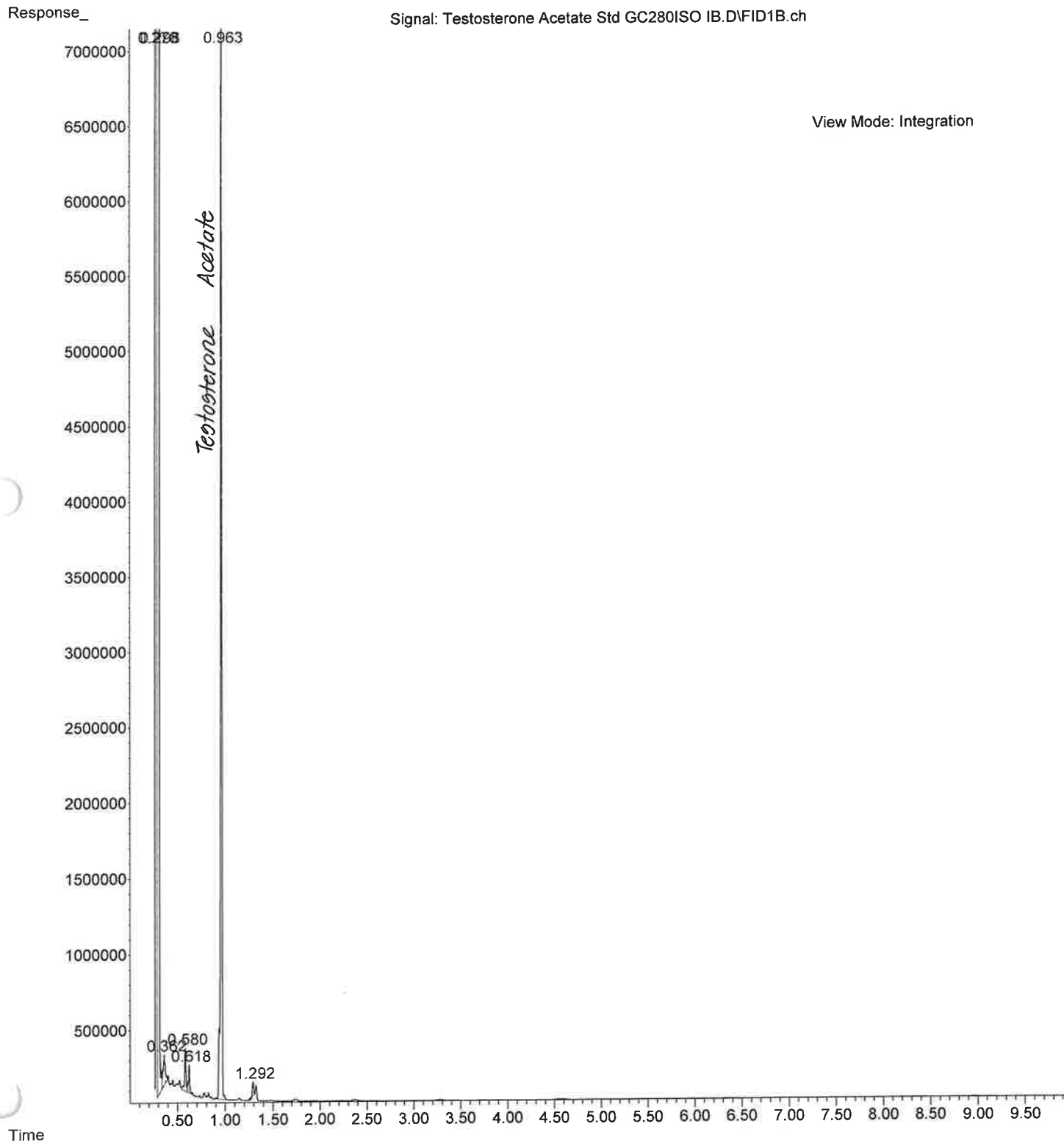
6500000
6000000
5500000
5000000
4500000
4000000
3500000
3000000
2500000
2000000
1500000
1000000
500000

0.50 1.00 1.50 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 6.00 6.50 7.00 7.50 8.00 8.50 9.00 9.50

Time

W

File :X:\2023\IB\04-26-23\Testosterone Acetate Std GC280ISO IB.D
Operator :
Acquired : 26 Apr 2023 10:22 using AcqMethod GC280ISO.M
Instrument : Stringbean
Sample Name: Testosterone Acetate Std GC280ISO IB
Misc Info : ME0H,Sigma,Lot19F0299,Exp.02-06-24
Vial Number: 1



METHOD CONTROL PARAMETERS

Method Information for: D:\MassHunter\GCMS\1\methods\GC280ISOTI.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:

This is a manual injection GC 280 Isothermal / 30 minute method.

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	D:\MassHunter\GCMS\1\methods\GC280ISOTI.M
Tune file	ATUNE.U
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.0
Acquisition Type	Scan
Stop time (min)	10.00
Solvent delay (min)	3.00
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
3.00	50	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
------	-------------

D:\MassHunter\GCMS\1\methods\GC280ISOTI.M
Tue Apr 04 10:14:36 2023

Control Information

Sample Inlet : GC
Injection Source : Manual
Mass Spectrometer : Disabled

No Sample Prep method has been assigned to this method.

GC
GC Summary
Run Time 30 min
Post Run Time 0 min

Oven
Temperature
Setpoint On
(Initial) 280 °C
Hold Time 1 min
Post Run 50 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 29 min

Equilibration Time 0.25 min
Max Temperature 350 °C
Minimum Temperature Override Disabled
Fan Disabled

ALS
Front 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 3 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	0
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.5 µL
Solvent Wash Mode	A, B
Sample Overlap	
Mode	Sample overlap is not enabled
ALS Errors	Pause for user interaction
Front SS Inlet He	
Helium Conservation Controlled	Off
Mode	Split
Heater	On 250 °C
Pressure	On 10 psi
Total Flow	On 27.687 mL/min
Septum Purge Flow	On 3 mL/min
Pre-Run Flow Test	Off
Gas Saver	On 20 mL/min after 3 min
Split Ratio	50 :1
Split Flow	24.203 mL/min
Liner	A Liner has not been selected.
Back SS Inlet He	
Helium Conservation Controlled	Off
Mode	Split
Heater	On 300 °C
Pressure	On 17.5 psi
Total Flow	On 185.67 mL/min
Septum Purge Flow	On 3 mL/min
Pre-Run Flow Test	Off
Gas Saver	Off
Split Ratio	50 :1
Split Flow	179.09 mL/min
Liner	A Liner has not been selected.
Column	
Column #1	
Pressure	
Setpoint	On
(Initial)	10 psi
Post Run	7.903 psi

Column Information
Description
Temperature Range
Dimensions
Heater
Column lock
(Initial)
Pressure
Flow
Average Velocity
Holdup Time
Control Mode

Agilent 19091S-602
HP-1MS
-60 °C-325 °C (350 °C)
12.5 m x 200 µm x 0.33 µm (Calibrated)
Oven
Unlocked
Front SS Inlet He
MSD
280 °C
10 psi
0.48406 mL/min
42.809 cm/sec
0.48666 min
Constant Pressure

Column #2
Pressure
Setpoint
(Initial)
Post Run

On
17.5 psi
2.8778 psi

Column Information
Temperature Range
Dimensions
Heater
Column lock
In
Out
(Initial)
Pressure
Flow
Average Velocity
Holdup Time
Control Mode

Agilent 19091S-913
-60 °C-325 °C (350 °C)
15 m x 320 µm x 0.25 µm (Calibrated)
Oven
Unlocked
Back SS Inlet He
Back Detector FID
280 °C
17.5 psi
3.5818 mL/min
82.747 cm/sec
0.30213 min
Constant Pressure

Column Outlet Pressure

0 psi

Back Detector FID
Makeup
Heater
H2 Flow
Air Flow
Makeup Flow
Carrier Gas Flow Correction
Flame
Blank Evaluation Setpoints
Perform Blank Evaluation Test

He
On 300 °C
On 30 mL/min
On 400 mL/min
On 25 mL/min
Constant Makeup and Fuel Flow
On
Off

Helium Conservation
Helium Valve
Nitrogen Valve

Off
Off

Detector Evaluation
Perform Detector Evaluation Test

Off

MSD Transfer Line
Temperature
Setpoint
(Initial)

On
280 °C

Signals
Signal #1: Back Signal
Description

Back Signal

Details	Back Signal (FID)
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Back Sample
Signal #2: Description	None
Signal #3: Description	None
Signal #4: Description	None
Signal #5: Description	None
Signal #6: Description	None
Signal #7: Description	None
Signal #8: Description	None

TUNE PARAMETERS for SN: US2246MS10

Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
29.720	:	REPELLER	
90.331	:	IONFOCUS	
20.181	:	ENTRANCE_LENS	
883.721	:	EMVOLTS	
			913.2 : Actual EMV
			1.00 : GAIN FACTOR
3335.000	:	AMUGAIN	
132.750	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
13.233	:	ENTLENSOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
421.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

DATA ANALYSIS PARAMETERS

Method Name: D:\MassHunter\GCMS\1\methods\GC280ISOTI.M

Percent Report Settings

Sort By: Signal

Output Destination

Screen: No
Printer: Yes
File: No

Integration Events: AutoIntegrate

Generate Report During Run Method: No

Signal Correlation Window: 0.020

Quantitative Report Settings

Report Type: Summary

Output Destination

Screen: Yes
Printer: No
File: No

Generate Report During Run Method: No

Calibration Last Updated:

Reference Window: 10.00 Percent
Non-Reference Window: 5.00 Percent
Correlation Window: 0.02 minutes
Default Multiplier: 1.00
Default Sample Concentration: 0.00

Compound Information

*** Empty Quantitation Database ***

END OF DATA ANALYSIS PARAMETERS

Tue Apr 04 10:14:37 2023

91b

File :X:\2023\IB\04-26-23\GCMS CAL STD MIX BLANK GC280ISOTI.D
Operator :
Acquired : 26 Apr 2023 11:50 using AcqMethod GC280ISOTI.M
Instrument : Stringbean
Sample Name: GCMS CAL STD MIX BLANK GC280ISOTI
Misc Info : MEOH
Vial Number: 1

Response_

Signal: GCMS CAL STD MIX BLANK GC280ISOTI.D\FID1B.ch

2900000
2800000
2700000
2600000
2500000
2400000
2300000
2200000
2100000
2000000
1900000
1800000
1700000
1600000
1500000
1400000
1300000
1200000
1100000
1000000
900000
800000
700000
600000
500000
400000
300000
200000
100000

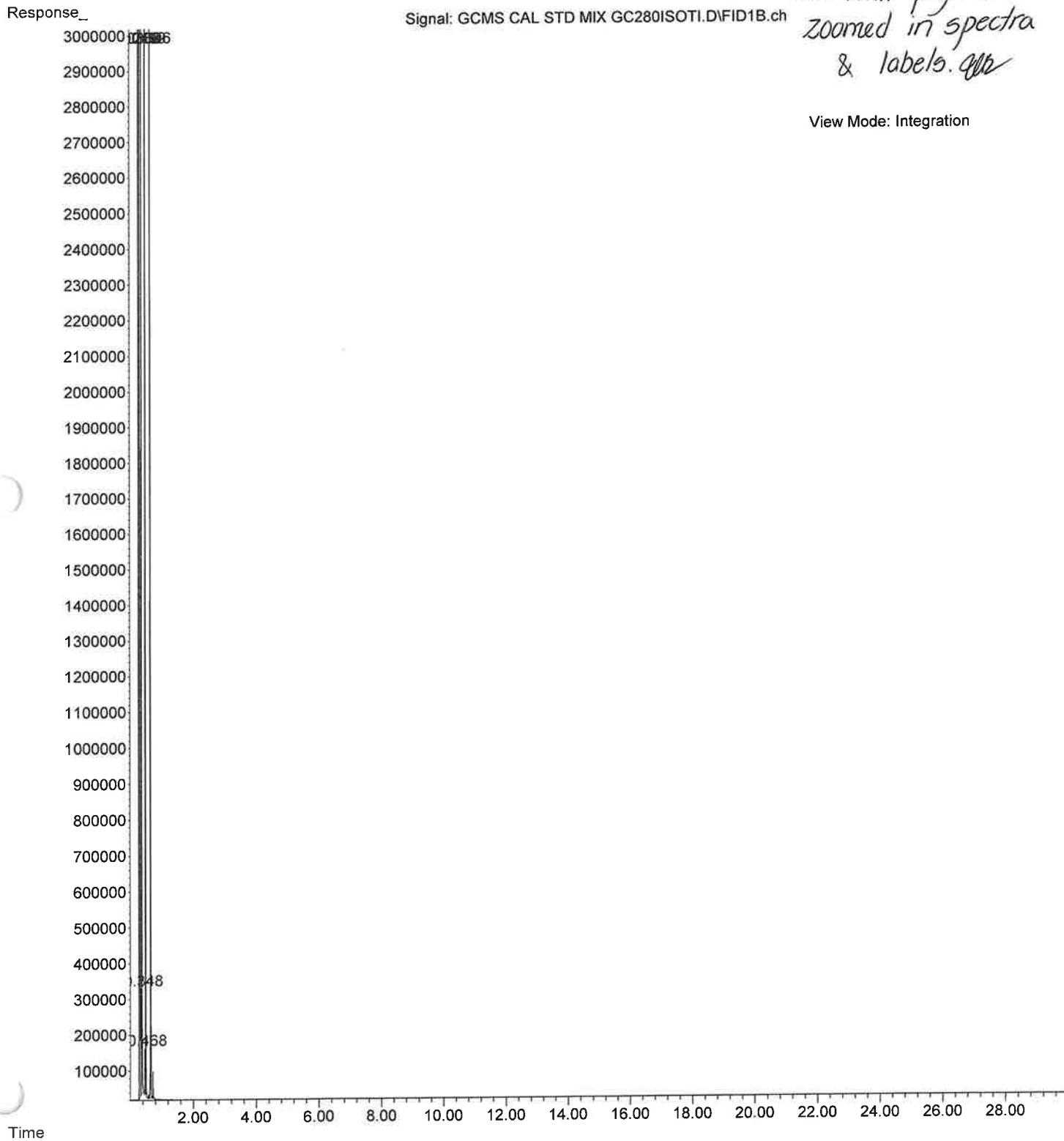
View Mode: Integration

2.00 4.00 6.00 8.00 10.00 12.00 14.00 16.00 18.00 20.00 22.00 24.00 26.00 28.00

Time

Handwritten signature

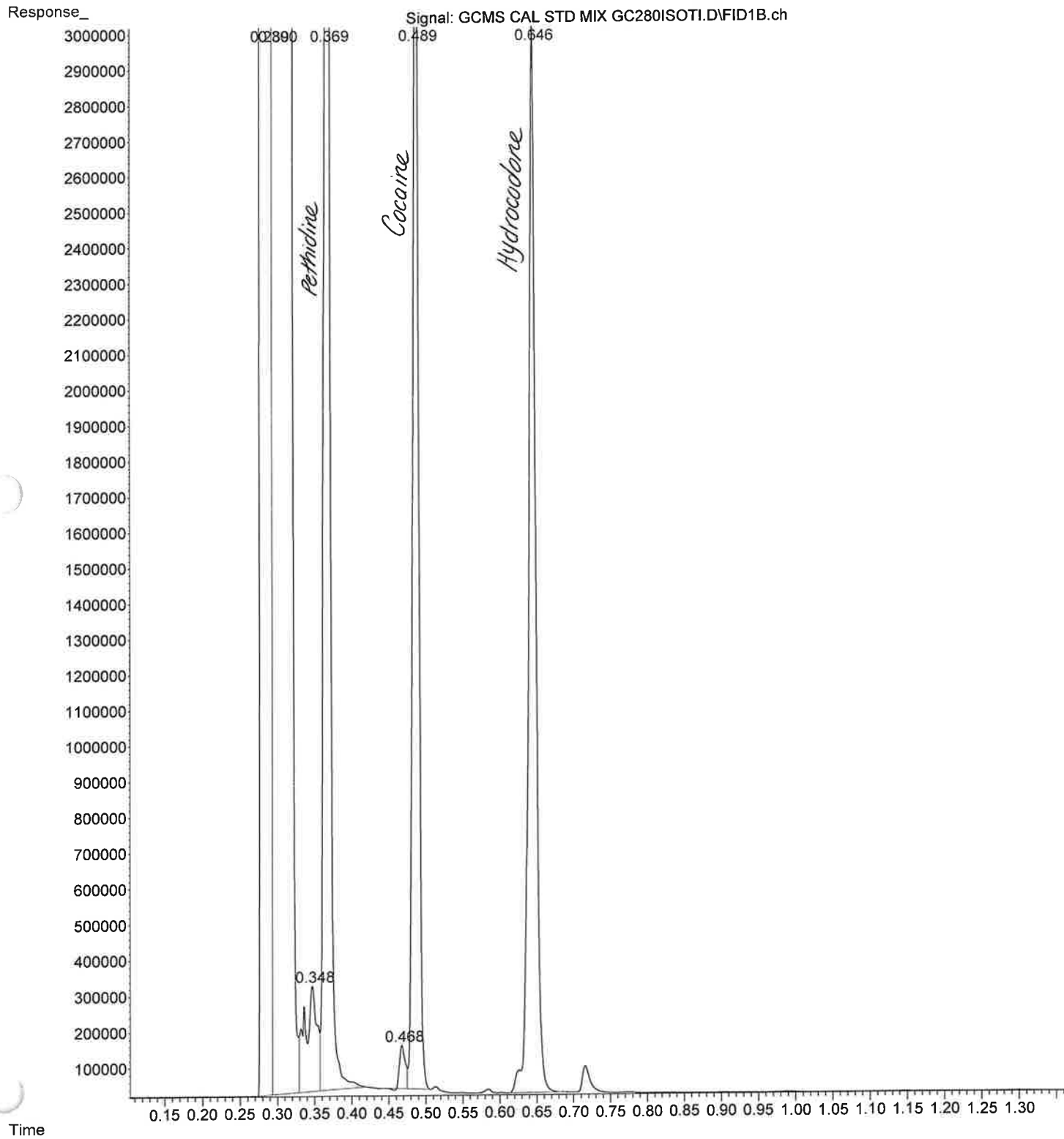
File : X:\2023\IB\04-26-23\GCMS CAL STD MIX GC280ISOTI.D
Operator :
Acquired : 26 Apr 2023 12:25 using AcqMethod GC280ISOTI.M
Instrument : Stringbean
Sample Name: GCMS CAL STD MIX GC280ISOTI
Misc Info : ME0H,Exp.03-20-24
Vial Number: 1



*See next page for
zoomed in spectra
& labels. qbb*

Handwritten signature

File : X:\2023\IB\04-26-23\GCMS CAL STD MIX GC280ISOTI.D
Operator :
Acquired : 26 Apr 2023 12:25 using AcqMethod GC280ISOTI.M
Instrument : Stringbean
Sample Name: GCMS CAL STD MIX GC280ISOTI
Misc Info : ME0H,Exp.03-20-24
Vial Number: 1



all

File :X:\2023\IB\04-26-23\Testosterone Acetate Std Blank GC280ISOT
... I.D
Operator :
Instrument : Stringbean
Acquired : 26 Apr 2023 10:40 using AcqMethod GC280ISOTI.M
Sample Name: Testosterone Acetate Std Blank GC280ISOTI
Misc Info : ME0H

Response_

Signal: Testosterone Acetate Std Blank GC280ISOTI.D\FID1B.ch

5200000
5000000
4800000
4600000
4400000
4200000
4000000
3800000
3600000
3400000
3200000
3000000
2800000
2600000
2400000
2200000
2000000
1800000
1600000
1400000
1200000
1000000
800000
600000
400000
200000

View Mode: Integration

2.00 4.00 6.00 8.00 10.00 12.00 14.00 16.00 18.00 20.00 22.00 24.00 26.00 28.00

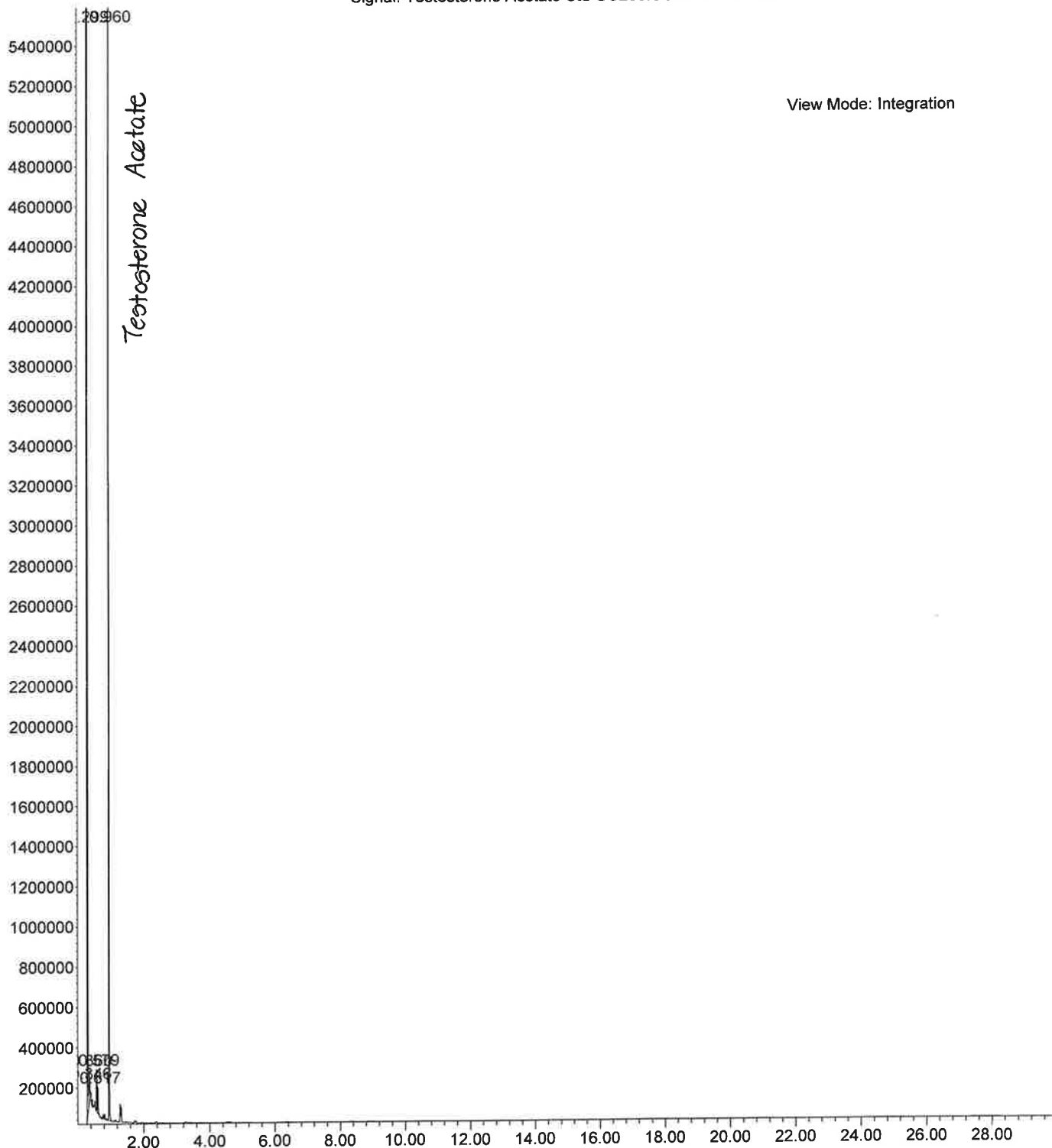
Time

all

File :X:\2023\IB\04-26-23\Testosterone Acetate Std GC280ISOTI.D
Operator :
Acquired : 26 Apr 2023 11:14 using AcqMethod GC280ISOTI.M
Instrument : Stringbean
Sample Name: Testosterone Acetate Std GC280ISOTI
Misc Info : ME0H,Sigma,Lot19F0299,Exp.02-06-24
Vial Number: 1

Response_

Signal: Testosterone Acetate Std GC280ISOTI.D\FID1B.ch



Time

METHOD CONTROL PARAMETERS

Method Information for: D:\MassHunter\GCMS\1\methods\ASGC100.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:

This is an autosample GC 100-280 / 10 minute method.

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	D:\MassHunter\GCMS\1\methods\ASGC100.M
Tune file	ATUNE.U
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.0
Acquisition Type	Scan
Stop time (min)	10.00
Solvent delay (min)	3.00
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
3.00	50	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
------	-------------

D:\MassHunter\GCMS\1\methods\ASGC100.M
Mon Apr 03 13:27:08 2023

Control Information

Sample Inlet : GC
Injection Source : GC ALS
Injection Location: Rear
Mass Spectrometer : Disabled

No Sample Prep method has been assigned to this method.

GC
GC Summary
Run Time 10.001 min
Post Run Time 0 min

Oven
Temperature
Setpoint On
(Initial) 100 °C
Hold Time 1 min
Post Run 50 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 6.43 min

Equilibration Time 0.25 min
Minimum Temperature 350 °C
Minimum Temperature Override Disabled
Slow Fan Disabled

ALS
Front 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 3 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) 2
Solvent A Washes (PostInj) 2
Solvent A Volume 4 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 2
Solvent B Volume 4 µL
Sample Washes 1
Sample Wash Volume 1 µL
Sample Pumps 4
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 300 µL/min
Solvent Wash Dispense Speed 6000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 6000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.5 µL
Solvent Wash Mode A, B

Sample Overlap
Mode

Sample overlap is not enabled

ALS Errors

Pause for user interaction

Front SS Inlet He
Helium Conservation Controlled
Mode
Heater
Pressure
Total Flow
Septum Purge Flow
Pre-Run Flow Test
Gas Saver
Split Ratio
Split Flow
Liner

Off
Split
On 250 °C
On 8.5 psi
On 45.194 mL/min
On 3 mL/min
Off
On 20 mL/min after 3 min
50 :1
41.367 mL/min
A Liner has not been selected.

Back SS Inlet He
Helium Conservation Controlled
Mode
Heater
Pressure
Total Flow
Septum Purge Flow
Pre-Run Flow Test
Gas Saver
Split Ratio
Split Flow
Liner

Off
Split
On 300 °C
On 10 psi
On 172.89 mL/min
On 3 mL/min
Off
Off
50 :1
166.56 mL/min
A Liner has not been selected.

Column
Column #1
Pressure
Setpoint
(Initial)
Post Run

On
8.5 psi
7.903 psi

Column Information	Agilent 19091S-602
Description	HP-1MS
Temperature Range	-60 °C-325 °C (350 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm (Calibrated)
Heater	Oven
Column lock	Unlocked
Out	Front SS Inlet He
(Initial)	MSD
Pressure	100 °C
Flow	8.5 psi
Average Velocity	0.82733 mL/min
Holdup Time	52.55 cm/sec
Control Mode	0.39644 min
	Constant Pressure

Column #2	
Pressure	On
Setpoint	10 psi
(Initial)	
Post Run	2.8778 psi

Column Information	Agilent 19091S-913
Temperature Range	-60 °C-325 °C (350 °C)
Dimensions	15 m x 320 µm x 0.25 µm (Calibrated)
Heater	Oven
Column lock	Unlocked
In	Back SS Inlet He
Out	Back Detector FID
(Initial)	100 °C
Pressure	10 psi
Flow	3.3311 mL/min
Average Velocity	63.306 cm/sec
Holdup Time	0.39491 min
Control Mode	Constant Pressure

Column Outlet Pressure	0 psi
Back Detector FID	
Makeup	He
Heater	On 300 °C
H2 Flow	On 30 mL/min
Air Flow	On 400 mL/min
Makeup Flow	On 25 mL/min
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	On
Blank Evaluation Setpoints	
Perform Blank Evaluation Test	Off

Helium Conservation	
Helium Valve	Off
Nitrogen Valve	Off

Detector Evaluation	
Perform Detector Evaluation Test	Off

MSD Transfer Line	
Temperature	
Setpoint	On
(Initial)	280 °C

Signals	
Signal #1: Back Signal	

Description	Back Signal
Details	Back Signal (FID)
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Back Sample
Signal #2: Description	None
Signal #3: Description	None
Signal #4: Description	None
Signal #5: Description	None
Signal #6: Description	None
Signal #7: Description	None
Signal #8: Description	None

TUNE PARAMETERS for SN: US2246MS10

Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
29.720	:	REPELLER	
90.331	:	IONFOCUS	
20.181	:	ENTRANCE_LENS	
883.721	:	EMVOLTS	
			913.2 : Actual EMV
			1.00 : GAIN FACTOR
3335.000	:	AMUGAIN	
132.750	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
13.233	:	ENTLENSOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
421.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

DATA ANALYSIS PARAMETERS

Method Name: D:\MassHunter\GCMS\1\methods\ASGC100.M

Percent Report Settings

Sort By: Signal

Output Destination

Screen: No
Printer: Yes
File: No

Integration Events: AutoIntegrate

Generate Report During Run Method: No

Signal Correlation Window: 0.020

Quantitative Report Settings

Report Type: Summary

Output Destination

Screen: Yes
Printer: No
File: No

Generate Report During Run Method: No

Calibration Last Updated:

Reference Window: 10.00 Percent
Non-Reference Window: 5.00 Percent
Correlation Window: 0.02 minutes
Default Multiplier: 1.00
Default Sample Concentration: 0.00

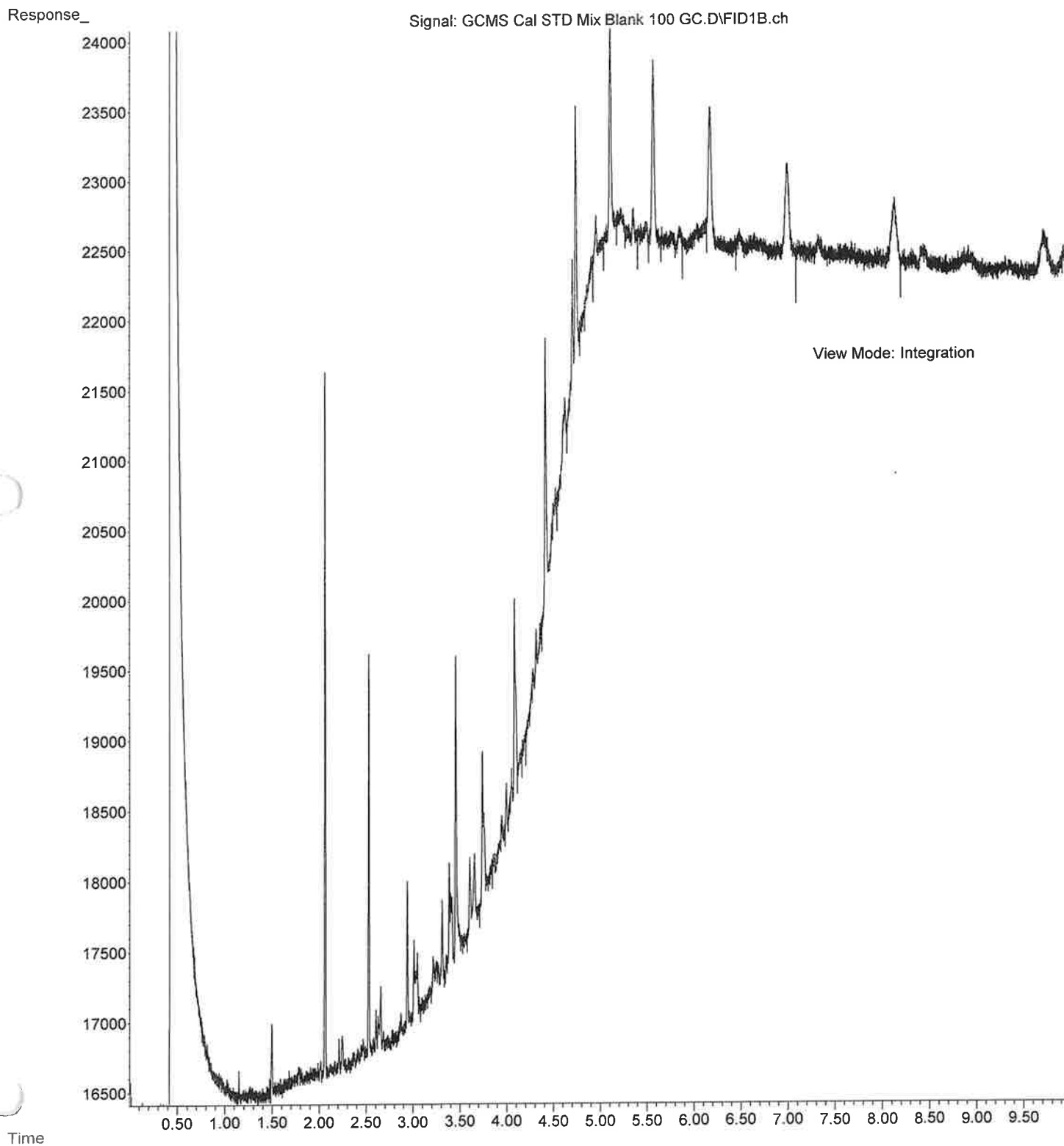
Compound Information

*** Empty Quantitation Database ***

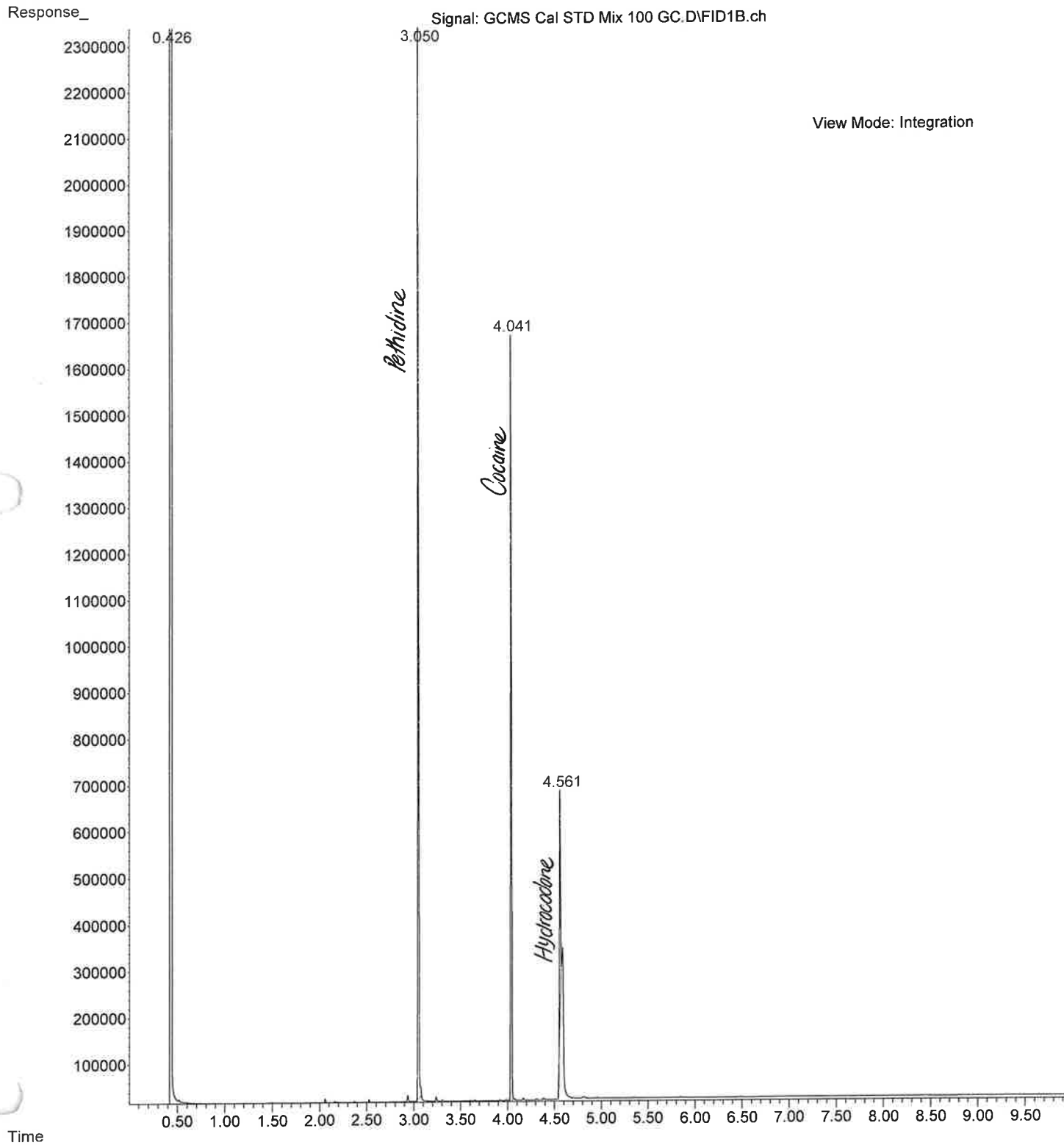
END OF DATA ANALYSIS PARAMETERS

Mon Apr 03 13:27:09 2023

File :X:\2023\IB\04-13-23\GCMS Cal STD Mix Blank 100 GC.D
Operator :
Acquired : 13 Apr 2023 19:21 using AcqMethod ASGC100.M
Instrument : Stringbean
Sample Name: GCMS Cal STD Mix Blank 100 GC
Misc Info : ME0H
Vial Number: 2

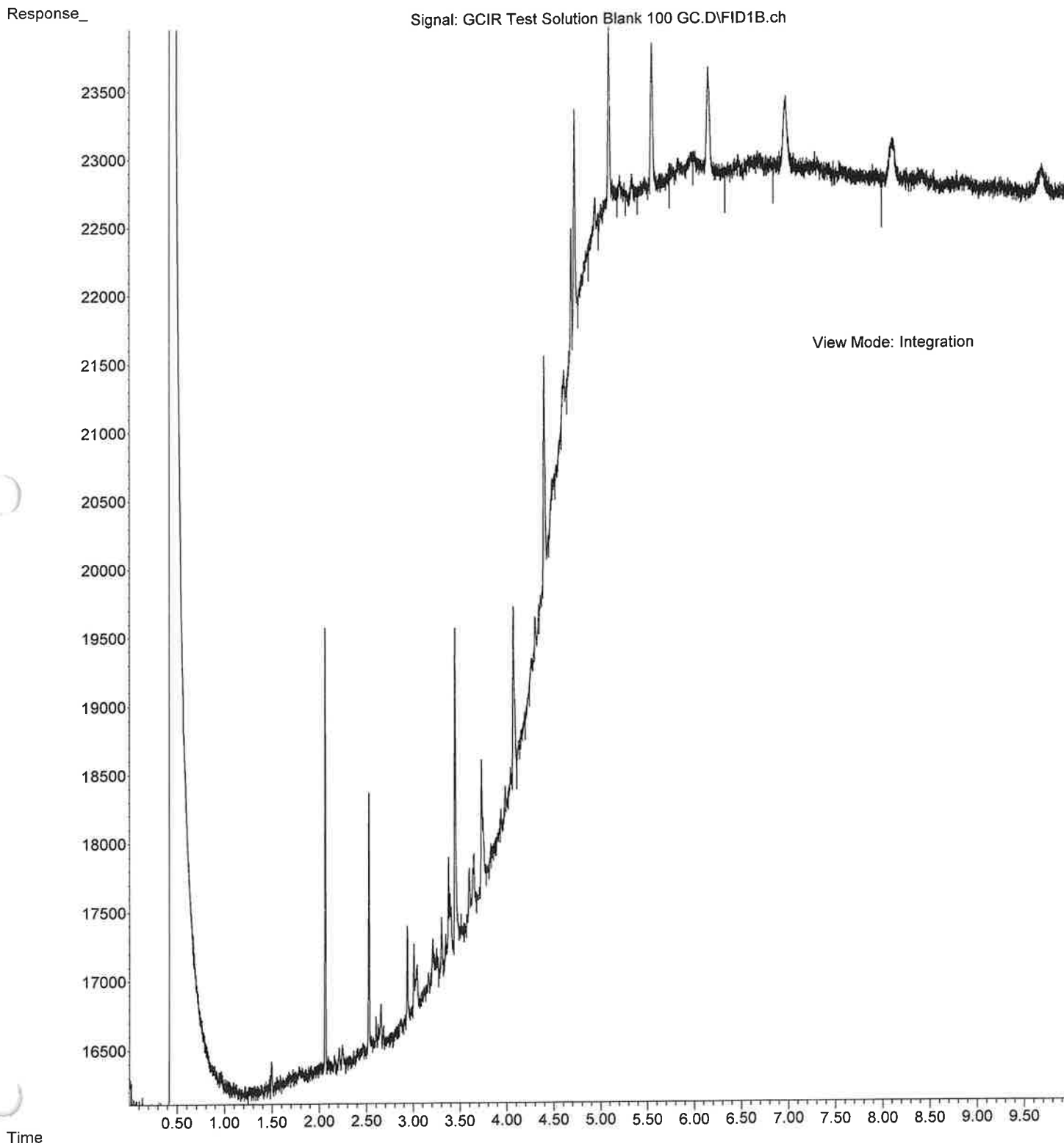


File :X:\2023\IB\04-13-23\GCMS Cal STD Mix 100 GC.D
Operator :
Acquired : 13 Apr 2023 19:34 using AcqMethod ASGC100.M
Instrument : Stringbean
Sample Name: GCMS Cal STD Mix 100 GC
Misc Info : MEOH, Exp.03-20-24
Vial Number: 3



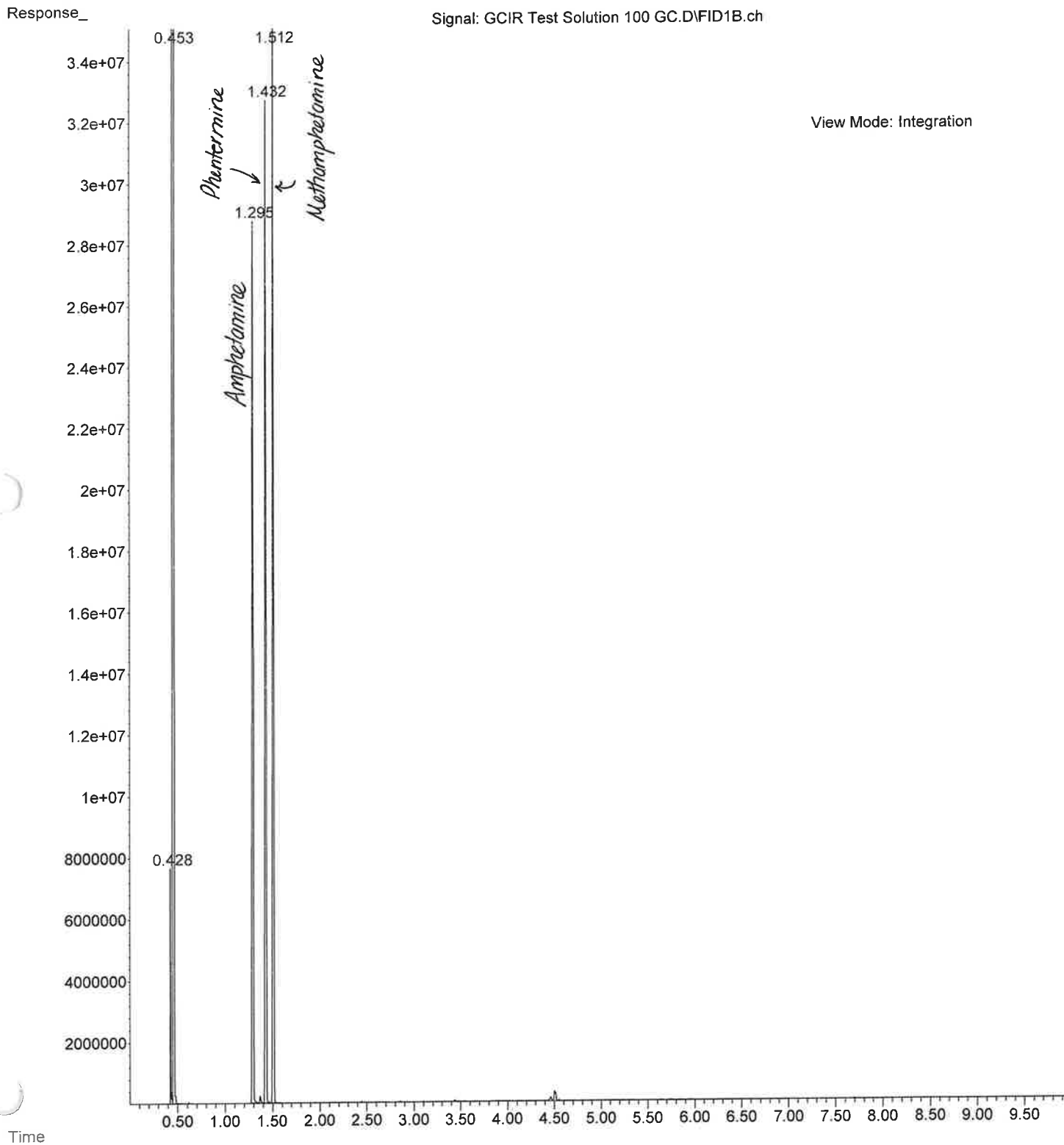
JB

File :X:\2023\IB\04-13-23\GCIR Test Solution Blank 100 GC.D
Operator :
Acquired : 13 Apr 2023 20:00 using AcqMethod ASGC100.M
Instrument : Stringbean
Sample Name: GCIR Test Solution Blank 100 GC
Misc Info : MEON
Vial Number: 4



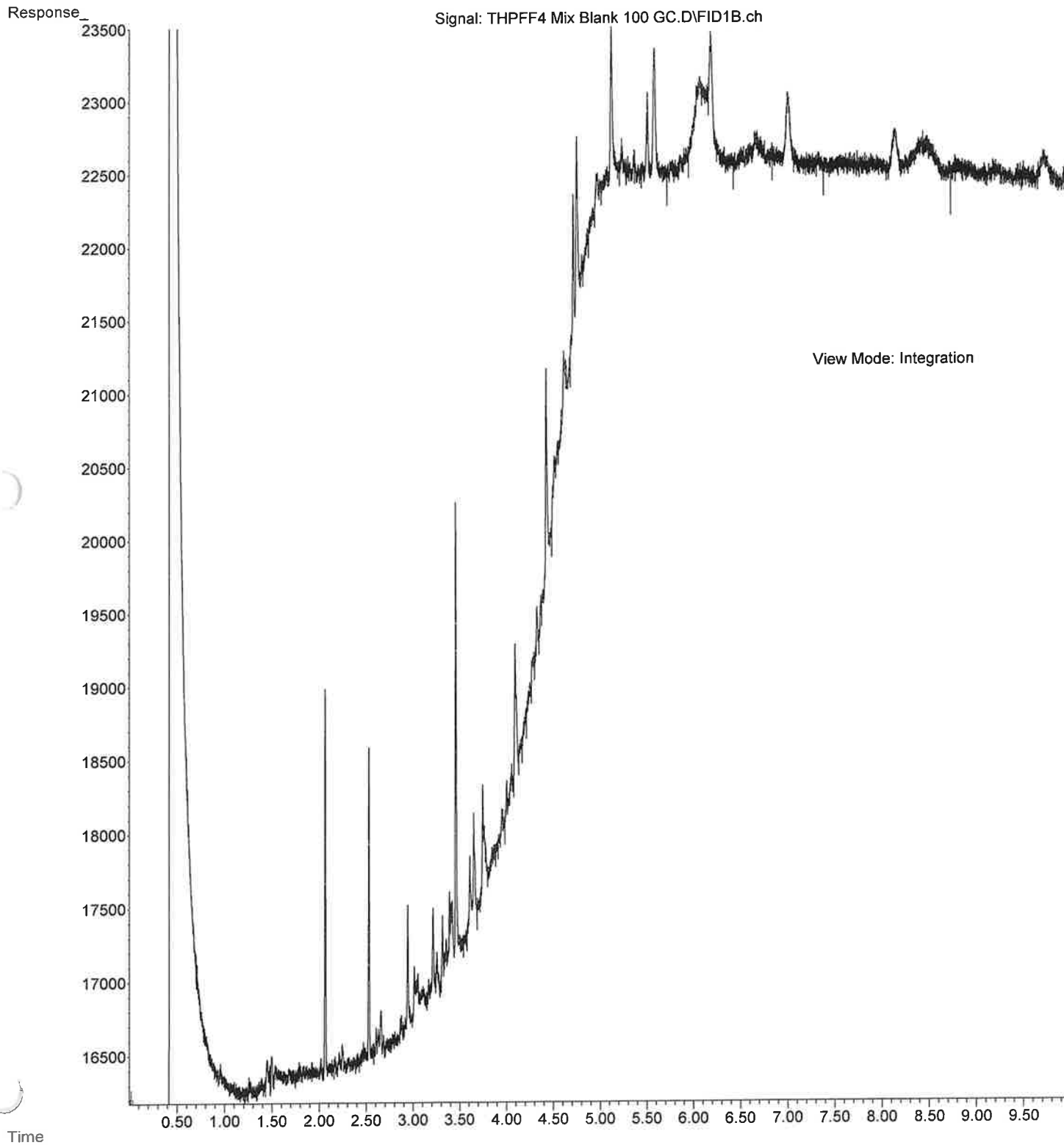
off

File :X:\2023\IB\04-13-23\GCIR Test Solution 100 GC.D
Operator :
Acquired : 13 Apr 2023 20:13 using AcqMethod ASGC100.M
Instrument : Stringbean
Sample Name: GCIR Test Solution 100 GC
Misc Info : 0.5N NaOH/CHCL3, Exp.02-23-24
Vial Number: 5

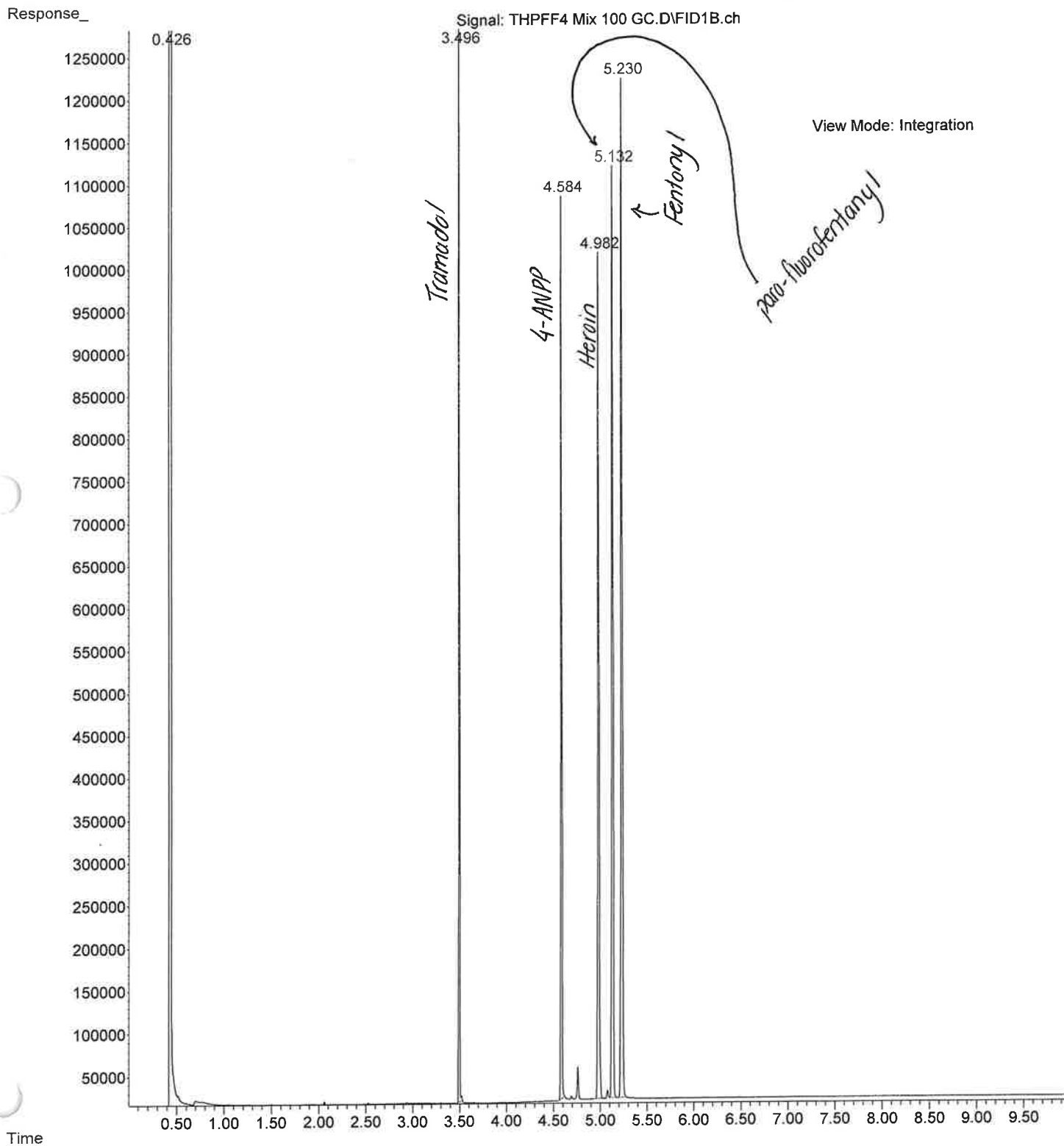


46

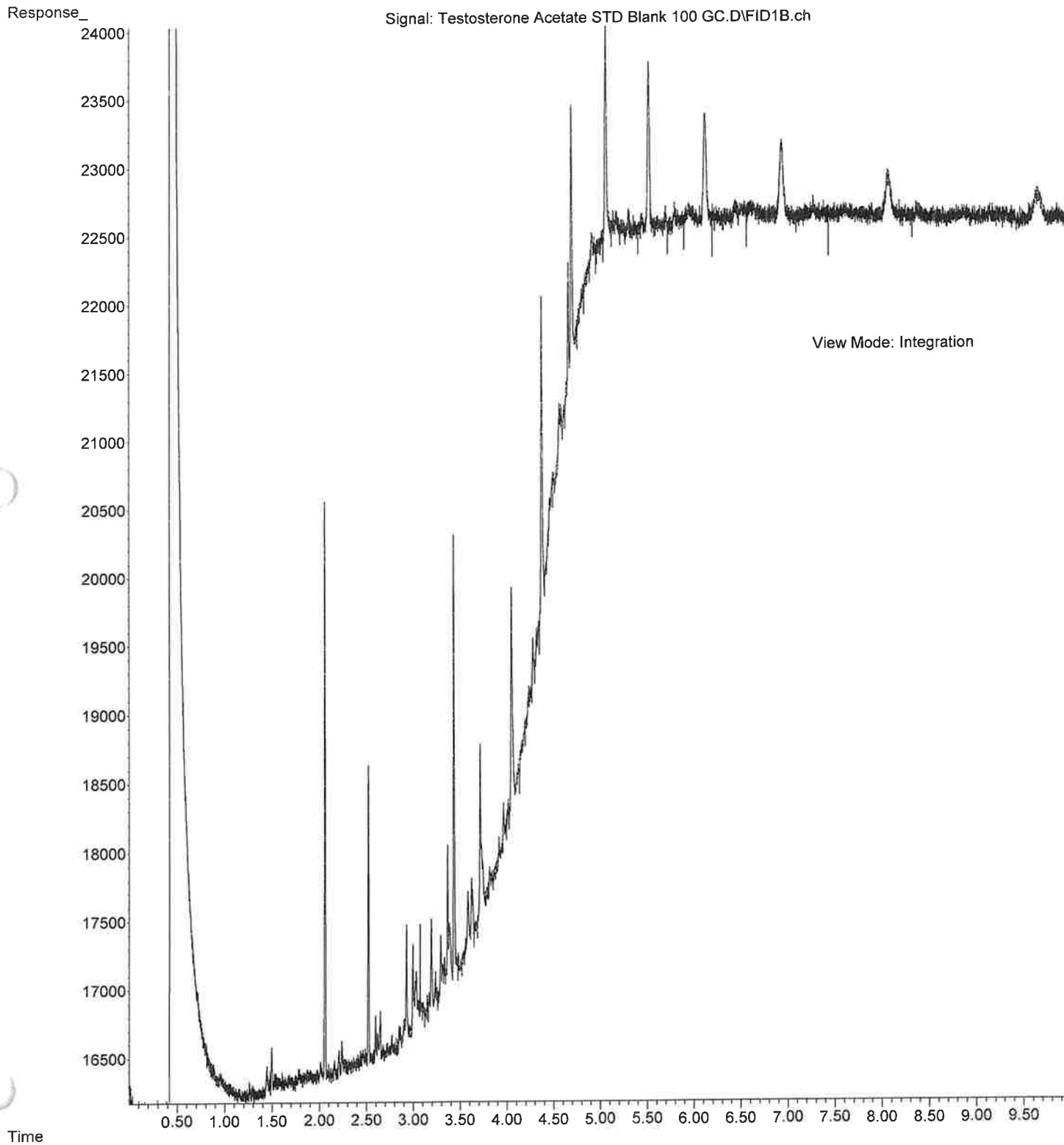
File :X:\2023\IB\04-13-23\THPFF4 Mix Blank 100 GC.D
Operator :
Acquired : 13 Apr 2023 20:40 using AcqMethod ASGC100.M
Instrument : Stringbean
Sample Name: THPFF4 Mix Blank 100 GC
Misc Info : MEOH
Vial Number: 6



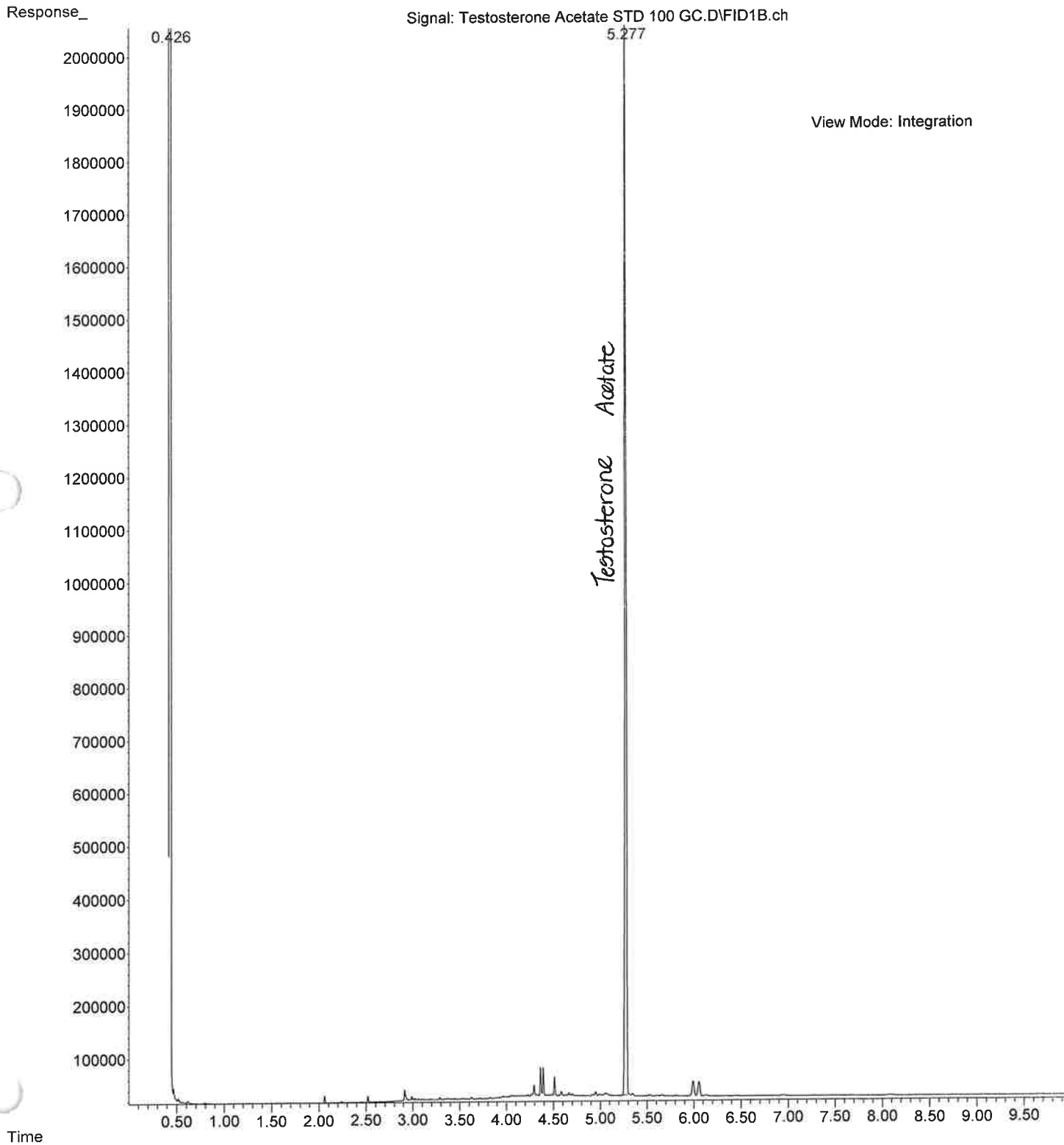
File :X:\2023\IB\04-13-23\THPFF4 Mix 100 GC.D
Operator :
Acquired : 13 Apr 2023 20:53 using AcqMethod ASGC100.M
Instrument : Stringbean
Sample Name: THPFF4 Mix 100 GC
Misc Info : ME0H, Exp.03-22-24
Vial Number: 7



File :X:\2023\IB\04-13-23\Testosterone Acetate STD Blank 100 GC.D
Operator :
Acquired : 13 Apr 2023 21:19 using AcqMethod ASGC100.M
Instrument : Stringbean
Sample Name: Testosterone Acetate STD Blank 100 GC
Misc Info : MEOH
Vial Number: 8



File :X:\2023\IB\04-13-23\Testosterone Acetate STD 100 GC.D
Operator :
Acquired : 13 Apr 2023 21:32 using AcqMethod ASGC100.M
Instrument : Stringbean
Sample Name: Testosterone Acetate STD 100 GC
Misc Info : ME0H,Sigma,Lot19F0299,Exp.02-06-24
Vial Number: 9



METHOD CONTROL PARAMETERS

Method Information for: D:\MassHunter\GCMS\1\methods\ASGC200.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:

This is an autosample GC 200-280 / 10 minute method.

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	D:\MassHunter\GCMS\1\methods\ASGC200.M
Tune file	ATUNE.U
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.0
Acquisition Type	Scan
Stop time (min)	10.00
Solvent delay (min)	3.00
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
3.00	50	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
------	-------------

D:\MassHunter\GCMS\1\methods\ASGC200.M

Tue Apr 04 09:43:09 2023

Control Information

Sample Inlet : GC
Injection Source : GC ALS
Injection Location: Rear
Mass Spectrometer : Disabled

No Sample Prep method has been assigned to this method.

GC
GC Summary
Run Time 10.003 min
Post Run Time 0 min

Oven
Temperature
Setpoint On
(Initial) 200 °C
Hold Time 1 min
Post Run 50 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 7.86 min

Equilibration Time 0.25 min
M Temperature 350 °C
Minimum Temperature Override Disabled
Slow Fan Disabled

ALS
Front 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 3 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)	2
Solvent A Washes (PostInj)	2
Solvent A Volume	4 µL
Solvent B Washes (PreInj)	2
Solvent B Washes (PostInj)	2
Solvent B Volume	4 µL
Sample Washes	1
Sample Wash Volume	1 µL
Sample Pumps	4
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.5 µL
Solvent Wash Mode	A, B
Sample Overlap Mode	Sample overlap is not enabled
ALS Errors	Pause for user interaction
Front SS Inlet He	
Helium Conservation Controlled Mode	Off
Heater	Split
Pressure	On 250 °C
Total Flow	On 10 psi
Septum Purge Flow	On 35.096 mL/min
Pre-Run Flow Test	On 3 mL/min
Gas Saver	Off
Split Ratio	On 20 mL/min after 3 min
Split Flow	50 :1
Liner	31.466 mL/min
	A Liner has not been selected.
Back SS Inlet He	
Helium Conservation Controlled Mode	Off
Heater	Split
Pressure	On 300 °C
Total Flow	On 15 psi
Septum Purge Flow	On 195.71 mL/min
Pre-Run Flow Test	On 3 mL/min
Gas Saver	Off
Split Ratio	Off
Split Flow	50 :1
Liner	188.93 mL/min
	A Liner has not been selected.
Column	
Column #1	
Pressure	
Setpoint	On
(Initial)	10 psi
Post Run	7.903 psi

Column Information	Agilent 19091S-602
Description	HP-1MS
Temperature Range	-60 °C-325 °C (350 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm (Calibrated)
Heater	Oven
Column lock	Unlocked
Inlet	Front SS Inlet He
Out	MSD
(Initial)	200 °C
Pressure	10 psi
Flow	0.62932 mL/min
Average Velocity	47.607 cm/sec
Holdup Time	0.43761 min
Control Mode	Constant Pressure

Column #2	
Pressure	On
Setpoint	15 psi
(Initial)	2.8778 psi
Post Run	

Column Information	Agilent 19091S-913
Temperature Range	-60 °C-325 °C (350 °C)
Dimensions	15 m x 320 µm x 0.25 µm (Calibrated)
Heater	Oven
Column lock	Unlocked
Inlet	Back SS Inlet He
Out	Back Detector FID
(Initial)	200 °C
Pressure	15 psi
Flow	3.7787 mL/min
Average Velocity	79.511 cm/sec
Holdup Time	0.31442 min
Control Mode	Constant Pressure

Column Outlet Pressure	0 psi
Back Detector FID	
Makeup	He
Heater	On 300 °C
H2 Flow	On 30 mL/min
Air Flow	On 400 mL/min
Makeup Flow	On 25 mL/min
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	On
Blank Evaluation Setpoints	
Perform Blank Evaluation Test	Off

Helium Conservation	
Helium Valve	Off
Nitrogen Valve	Off

Detector Evaluation	
Perform Detector Evaluation Test	Off

MSD Transfer Line	
Temperature	
Setpoint	On
(Initial)	280 °C

Signals	
Signal #1: Back Signal	

Description	Back Signal
Details	Back Signal (FID)
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Back Sample

Signal #2: Description	None
---------------------------	------

Signal #3: Description	None
---------------------------	------

Signal #4: Description	None
---------------------------	------

Signal #5: Description	None
---------------------------	------

Signal #6: Description	None
---------------------------	------

Signal #7: Description	None
---------------------------	------

Signal #8: Description	None
---------------------------	------

TUNE PARAMETERS for SN: US2246MS10

Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
29.720	:	REPELLER	
90.331	:	IONFOCUS	
20.181	:	ENTRANCE_LENS	
883.721	:	EMVOLTS	
			913.2 : Actual EMV
			1.00 : GAIN FACTOR
3335.000	:	AMUGAIN	
132.750	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
13.233	:	ENTLENSOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
421.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

DATA ANALYSIS PARAMETERS

Method Name: D:\MassHunter\GCMS\1\methods\ASGC200.M

Percent Report Settings

Sort By: Signal

Output Destination

Screen: No
Printer: Yes
File: No

Integration Events: AutoIntegrate

Generate Report During Run Method: No

Signal Correlation Window: 0.020

Quantitative Report Settings

Report Type: Summary

Output Destination

Screen: Yes
Printer: No
File: No

Generate Report During Run Method: No

Calibration Last Updated:

Reference Window: 10.00 Percent
Non-Reference Window: 5.00 Percent
Correlation Window: 0.02 minutes
Default Multiplier: 1.00
Default Sample Concentration: 0.00

Compound Information

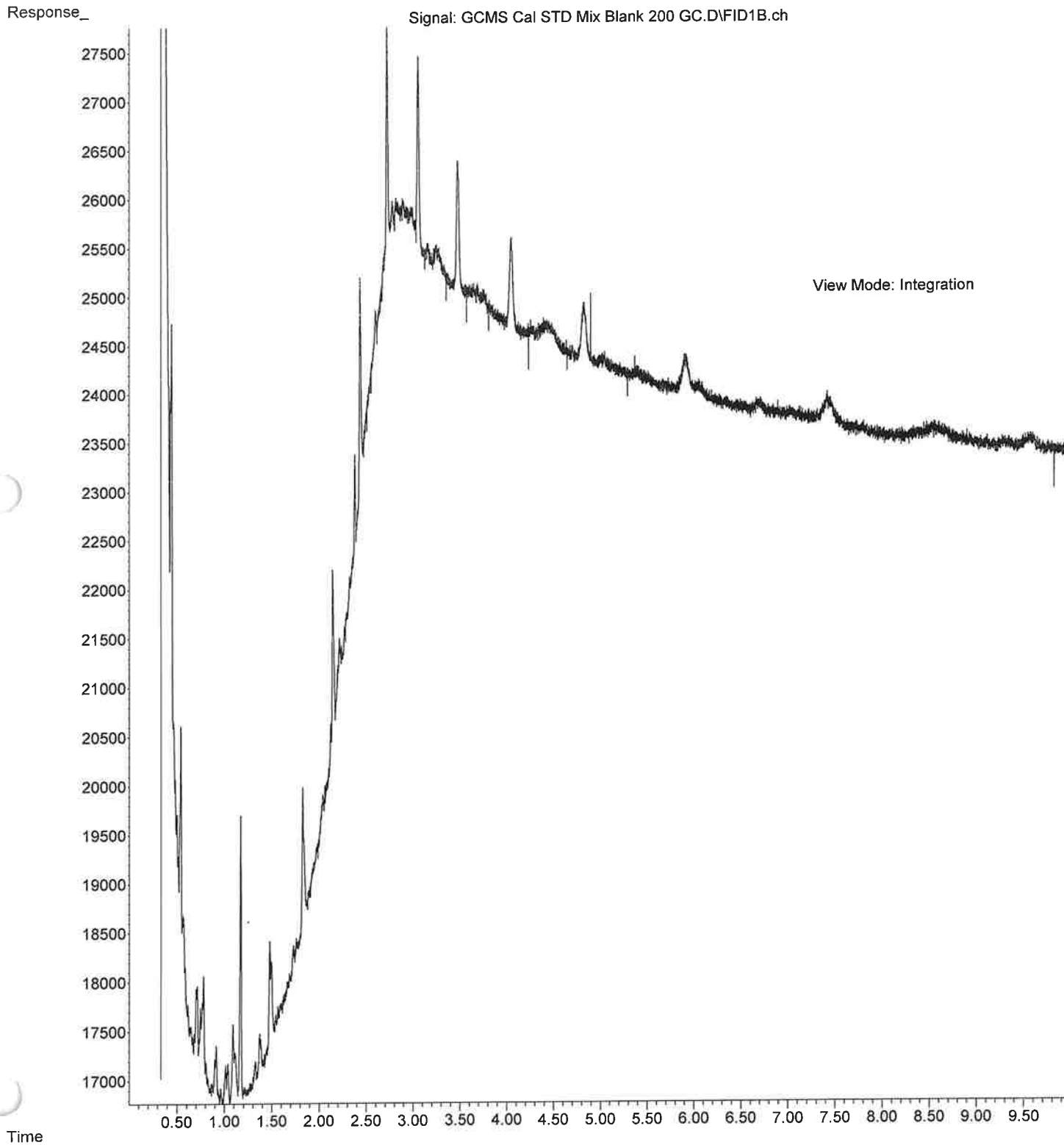
*** Empty Quantitation Database ***

END OF DATA ANALYSIS PARAMETERS

Tue Apr 04 09:43:10 2023

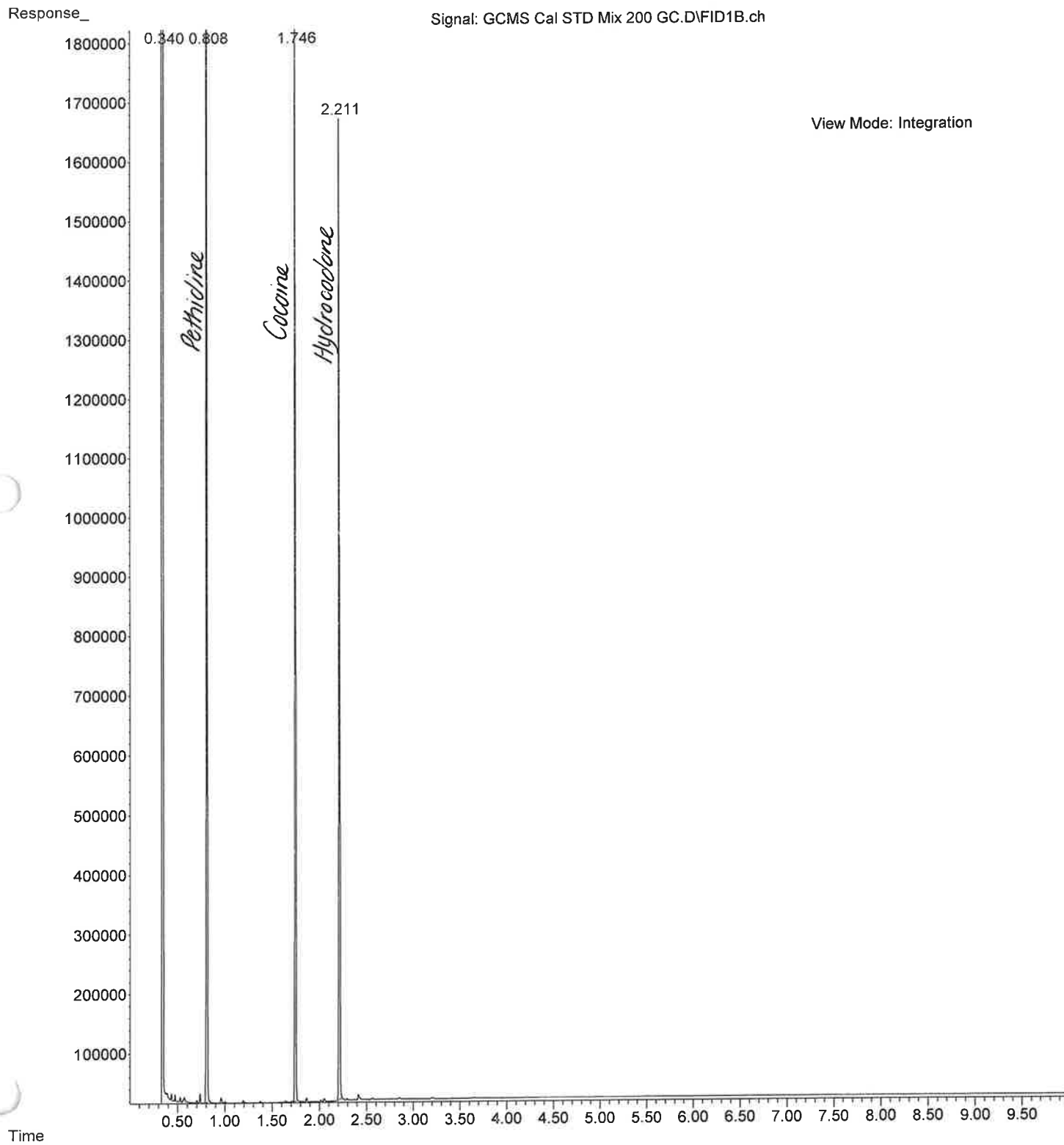
UK

File : X:\2023\IB\04-13-23\GCMS Cal STD Mix Blank 200 GC.D
Operator :
Acquired : 13 Apr 2023 21:59 using AcqMethod ASGC200.M
Instrument : Stringbean
Sample Name: GCMS Cal STD Mix Blank 200 GC
Misc Info : MEOH
Vial Number: 2



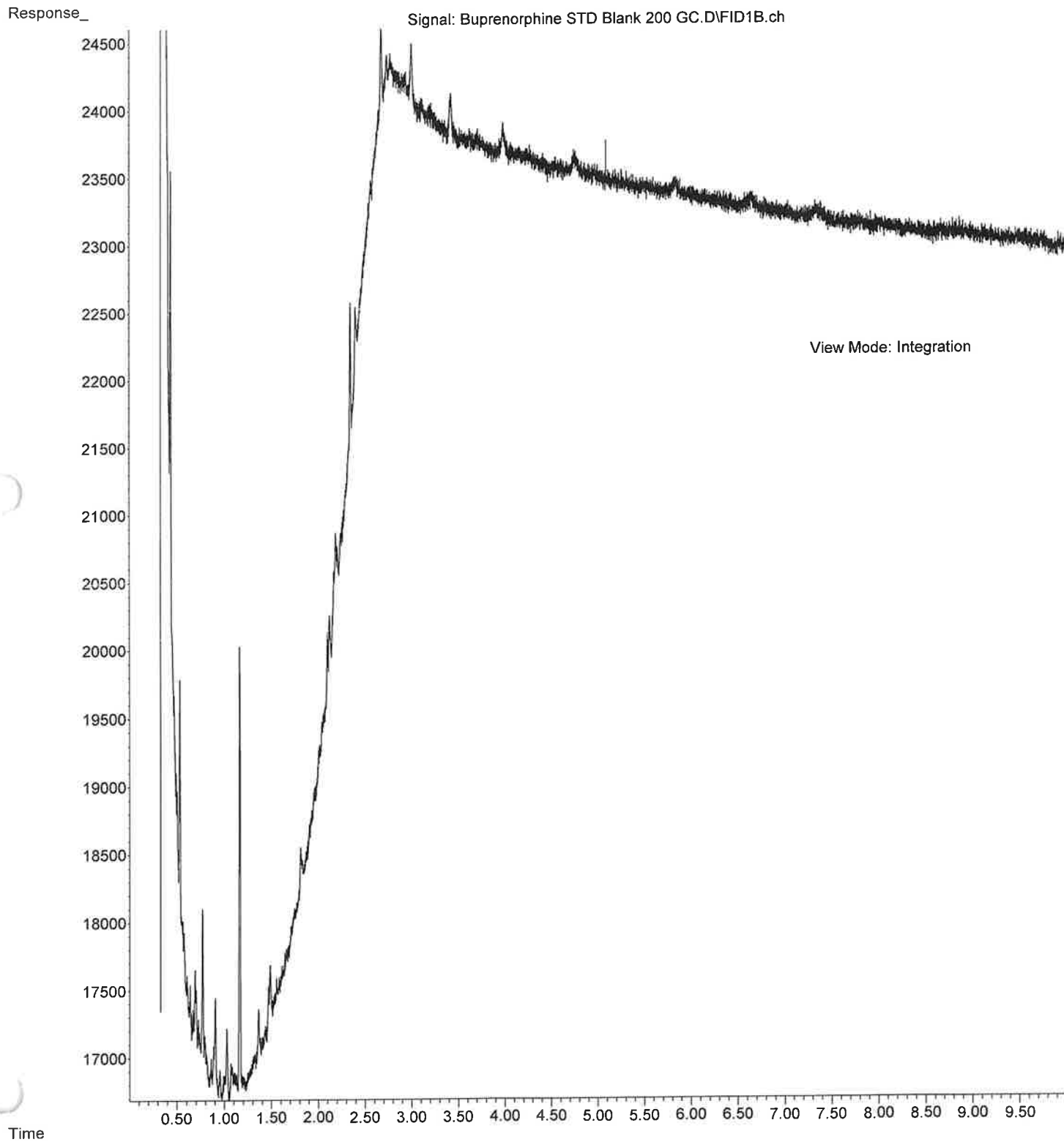
all

File :X:\2023\IB\04-13-23\GCMS Cal STD Mix 200 GC.D
Operator :
Acquired : 13 Apr 2023 22:11 using AcqMethod ASGC200.M
Instrument : Stringbean
Sample Name: GCMS Cal STD Mix 200 GC
Misc Info : MEOH, Exp.03-20-24
Vial Number: 3



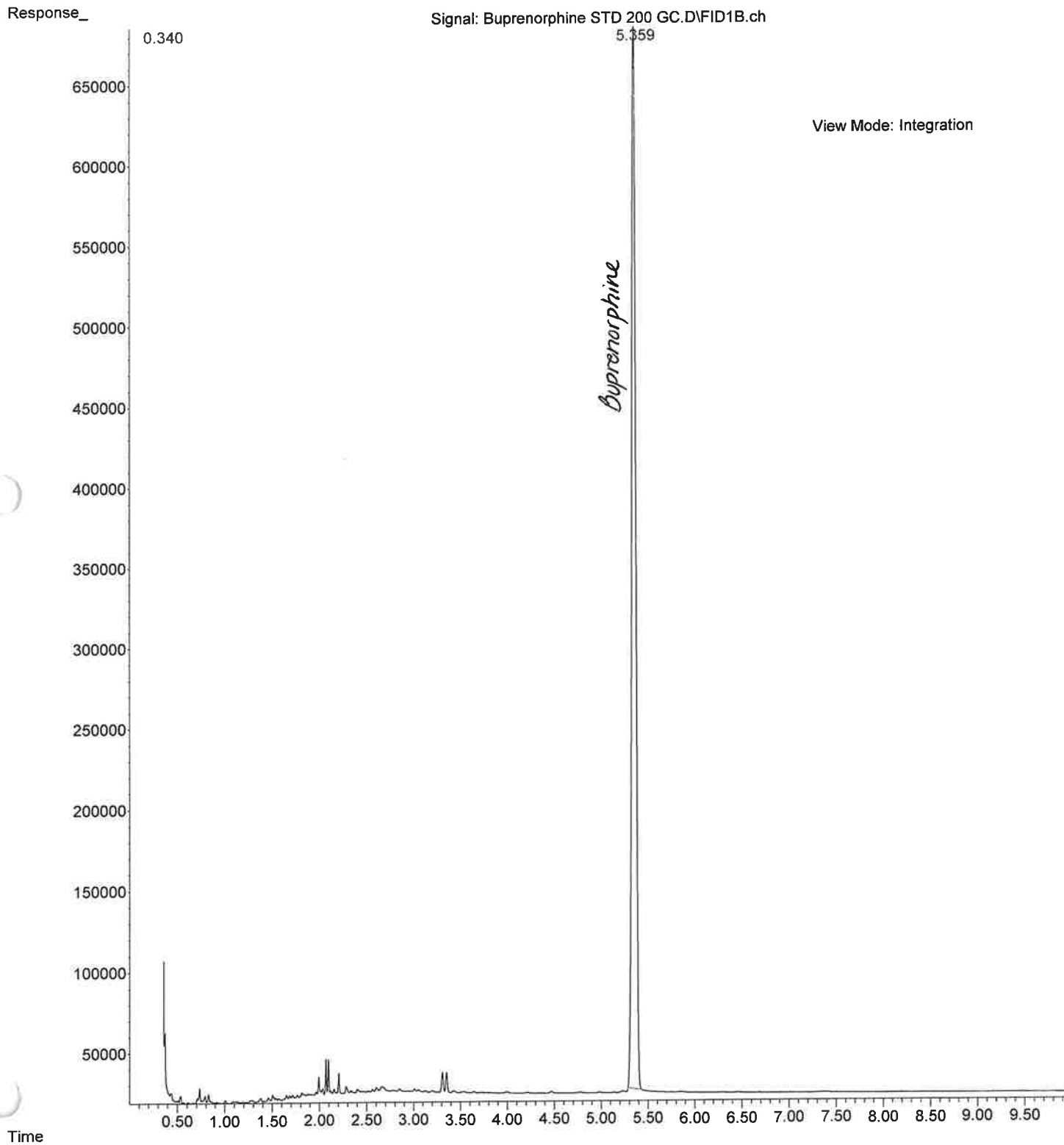
96

File :X:\2023\IB\04-13-23\Buprenorphine STD Blank 200 GC.D
Operator :
Acquired : 13 Apr 2023 22:37 using AcqMethod ASGC200.M
Instrument : Stringbean
Sample Name: Buprenorphine STD Blank 200 GC
Misc Info : ME0H
Vial Number: 10

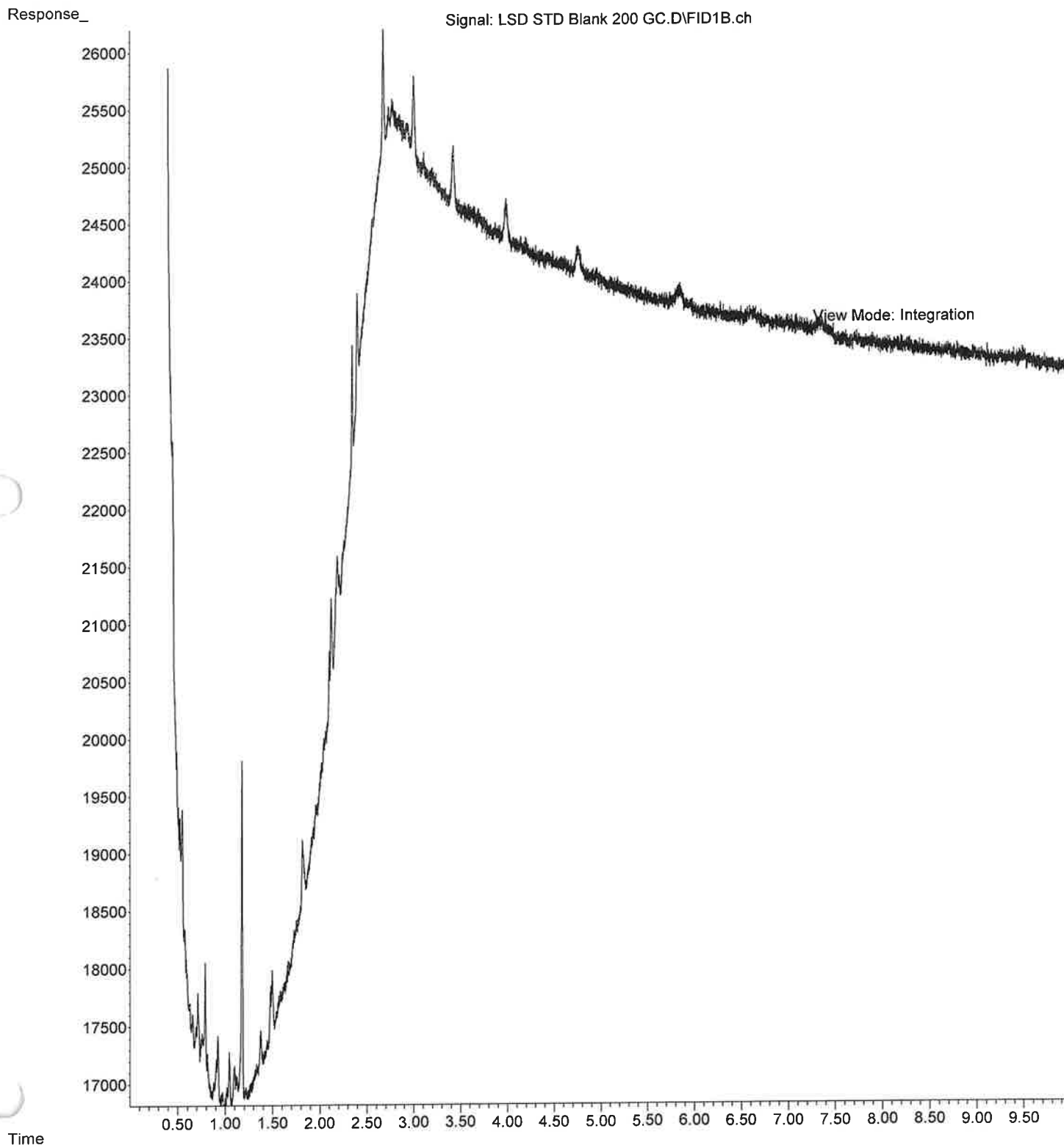


cb

File :X:\2023\IB\04-13-23\Buprenorphine STD 200 GC.D
Operator :
Acquired : 13 Apr 2023 22:50 using AcqMethod ASGC200.M
Instrument : Stringbean
Sample Name: Buprenorphine STD 200 GC
Misc Info : MEOH,Cerilliant, LotFE03191903, Exp.06/24
Vial Number: 11

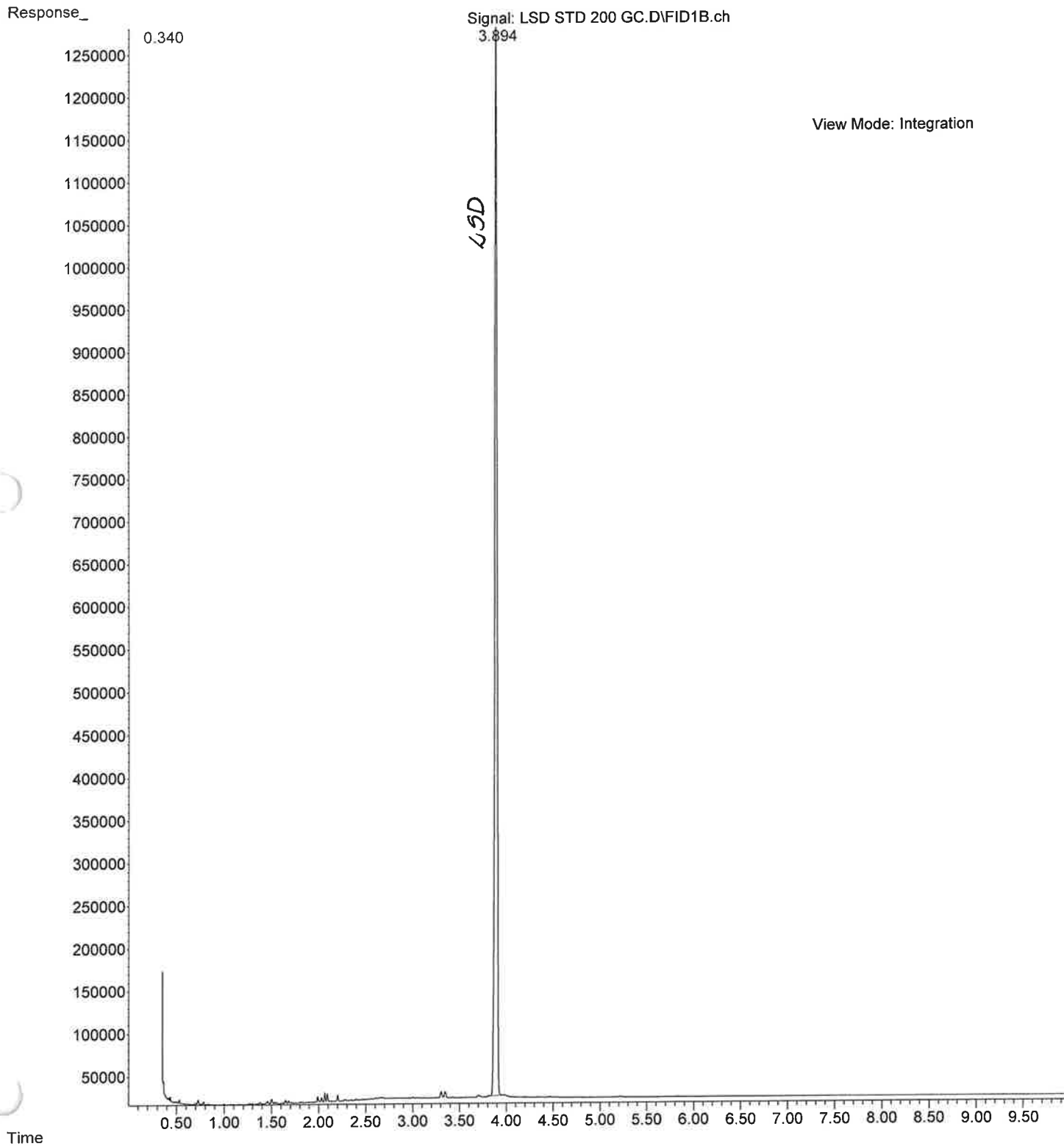


File :X:\2023\IB\04-13-23\LSD STD Blank 200 GC.D
Operator :
Acquired : 13 Apr 2023 23:15 using AcqMethod ASGC200.M
Instrument : Stringbean
Sample Name: LSD STD Blank 200 GC
Misc Info : MEOH
Vial Number: 12



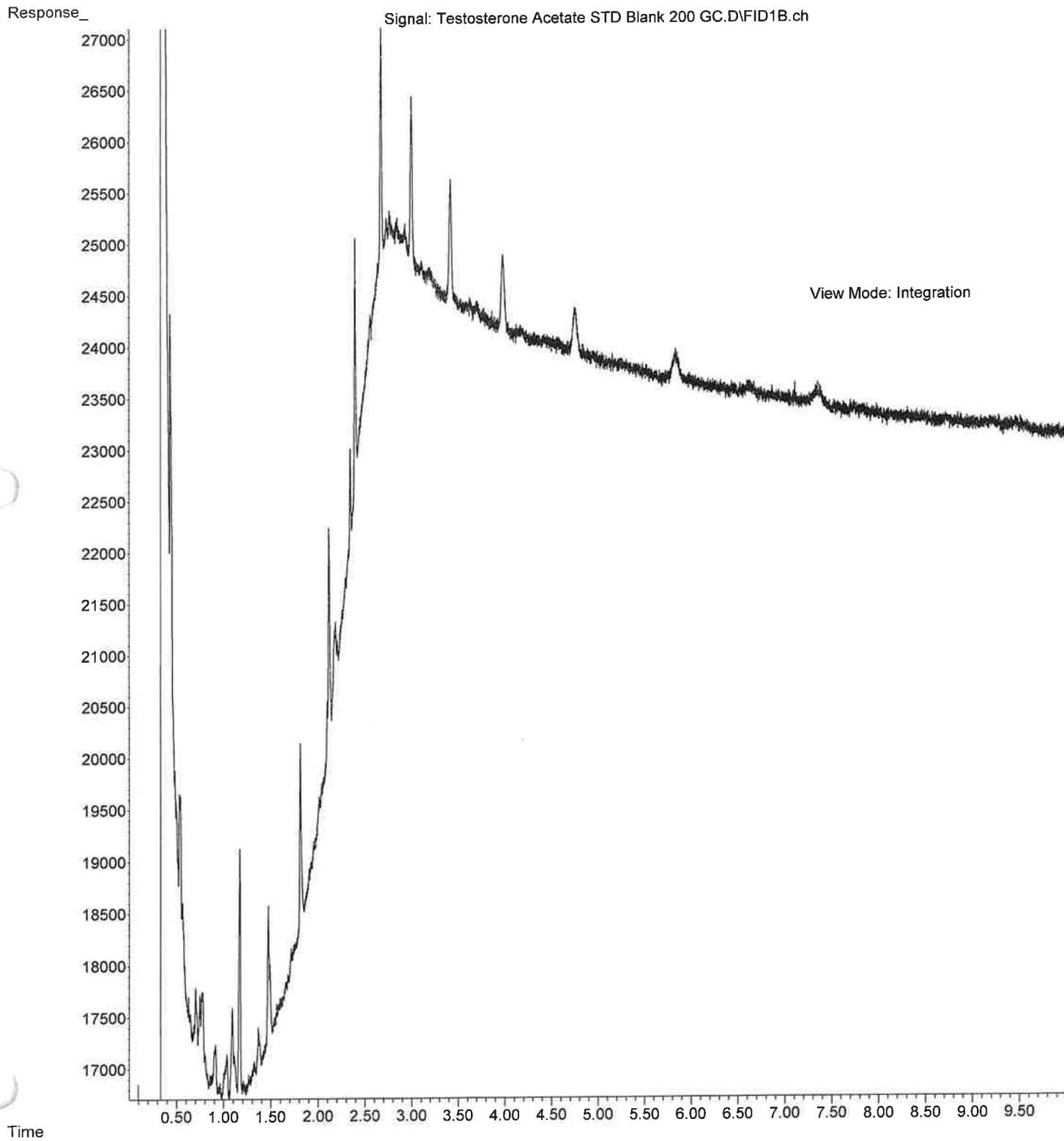
UK

File :X:\2023\IB\04-13-23\LSD STD 200 GC.D
Operator :
Acquired : 13 Apr 2023 23:28 using AcqMethod ASGC200.M
Instrument : Stringbean
Sample Name: LSD STD 200 GC
Misc Info : ME0H,Cerilliant, LotFE10161901, Exp.10/24
Vial Number: 13

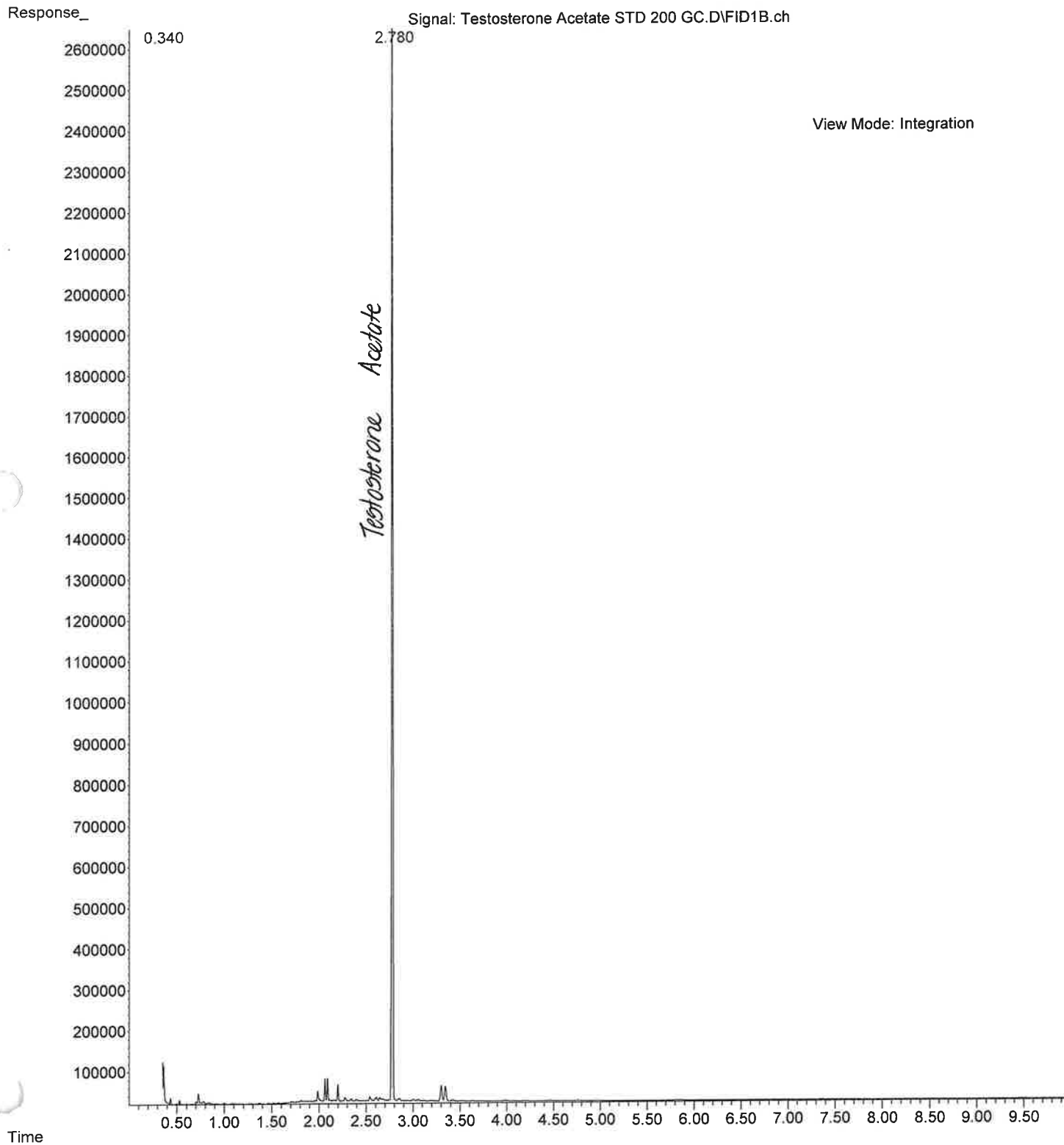


91

File :X:\2023\IB\04-13-23\Testosterone Acetate STD Blank 200 GC.D
Operator :
Acquired : 13 Apr 2023 23:54 using AcqMethod ASGC200.M
Instrument : Stringbean
Sample Name: Testosterone Acetate STD Blank 200 GC
Misc Info : MEOH
Vial Number: 8

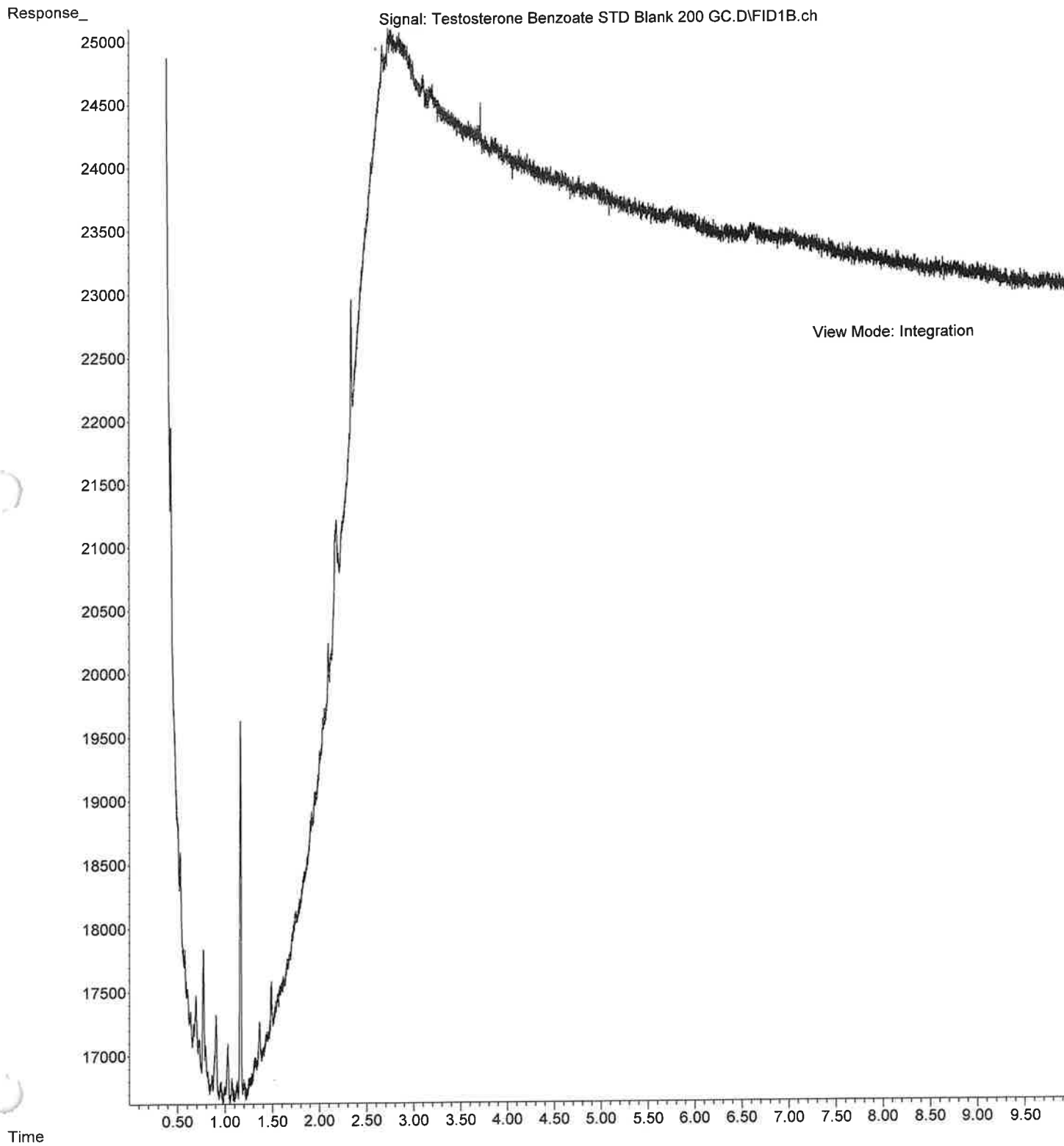


File : X:\2023\IB\04-13-23\Testosterone Acetate STD 200 GC.D
Operator :
Acquired : 14 Apr 2023 00:06 using AcqMethod ASGC200.M
Instrument : Stringbean
Sample Name: Testosterone Acetate STD 200 GC
Misc Info : ME0H,Sigma,Lot19F0299,Exp.02-06-24
Vial Number: 9



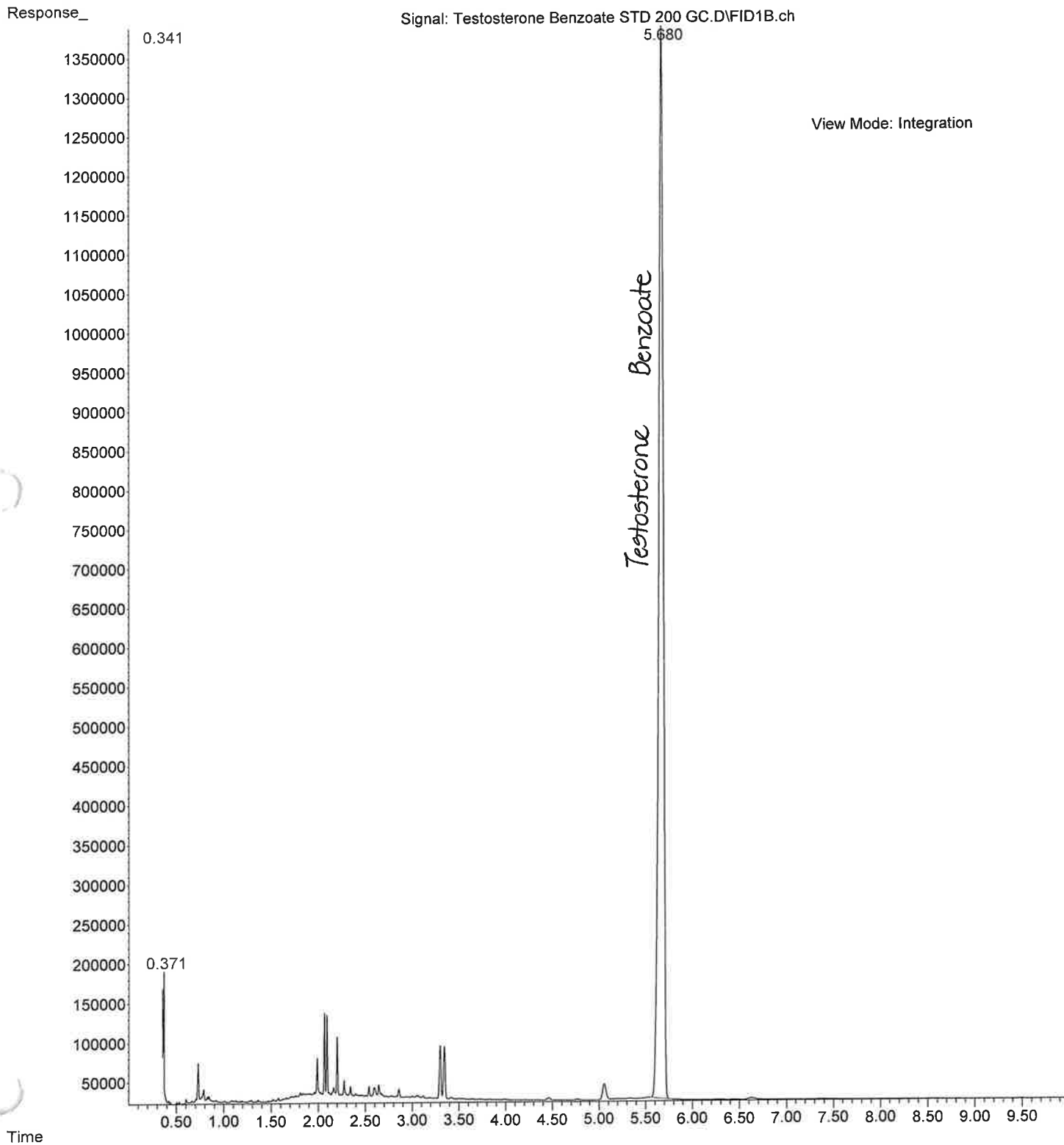
alb

File :X:\2023\IB\04-13-23\Testosterone Benzoate STD Blank 200 GC.D
Operator :
Acquired : 14 Apr 2023 00:32 using AcqMethod ASGC200.M
Instrument : Stringbean
Sample Name: Testosterone Benzoate STD Blank 200 GC
Misc Info : MEOH
Vial Number: 14



all

File :X:\2023\IB\04-13-23\Testosterone Benzoate STD 200 GC.D
Operator :
Acquired : 14 Apr 2023 00:44 using AcqMethod ASGC200.M
Instrument : Stringbean
Sample Name: Testosterone Benzoate STD 200 GC
Misc Info : ME0H,Sigma,Lot49F0246,Exp.02-10-24
Vial Number: 15



METHOD CONTROL PARAMETERS

Method Information for: D:\MassHunter\GCMS\1\methods\ASGC150ISO.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:

This is an autosample GC 150 Isothermal / 10 minute method.

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	D:\MassHunter\GCMS\1\methods\ASGC150ISO.M
Tune file	ATUNE.U
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.0
Acquisition Type	Scan
Stop time (min)	10.00
Solvent delay (min)	3.00
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
3.00	50	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
------	-------------

D:\MassHunter\GCMS\1\methods\ASGC150ISO.M

Tue Apr 04 09:57:25 2023

Control Information

Sample Inlet : GC
Injection Source : GC ALS
Injection Location: Rear
Mass Spectrometer : Disabled

No Sample Prep method has been assigned to this method.

GC

GC Summary

Run Time 10 min
Post Run Time 0 min

Oven

Temperature

Setpoint On
(Initial) 150 °C
Hold Time 1 min
Post Run 50 °C
Program
#1 Rate 70 °C/min
#1 Value 150 °C
#1 Hold Time 9 min

Equilibration Time

0.25 min

M Temperature

350 °C

Minimum Temperature Override

Disabled

Slow Fan

Disabled

ALS

Front 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 3 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)	2
Solvent A Washes (PostInj)	2
Solvent A Volume	4 µL
Solvent B Washes (PreInj)	2
Solvent B Washes (PostInj)	2
Solvent B Volume	4 µL
Sample Washes	1
Sample Wash Volume	1 µL
Sample Pumps	4
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.5 µL
Solvent Wash Mode	A, B
Sample Overlap Mode	Sample overlap is not enabled
ALS Errors	Pause for user interaction
Front SS Inlet He	
Helium Conservation Controlled Mode	Off
Heater	Split
Pressure	On 250 °C
Total Flow	On 10 psi
Septum Purge Flow	On 41.72 mL/min
Pre-Run Flow Test	On 3 mL/min
Gas Saver	Off
Split Ratio	On 20 mL/min after 3 min
Split Flow	50 :1
Liner	37.96 mL/min
	A Liner has not been selected.
Back SS Inlet He	
Helium Conservation Controlled Mode	Off
Heater	Split
Pressure	On 300 °C
Total Flow	On 12.5 psi
Septum Purge Flow	On 185.83 mL/min
Pre-Run Flow Test	On 3 mL/min
Gas Saver	Off
Split Ratio	Off
Split Flow	50 :1
Liner	179.24 mL/min
	A Liner has not been selected.
Column	
Column #1	
Pressure	
Setpoint	On
(Initial)	10 psi
Post Run	7.903 psi

Column Information

Description

Temperature Range

Dimensions

Heater

Column lock

In

Out

(Initial)

Pressure

Flow

Average Velocity

Holdup Time

Control Mode

Column #2

Pressure

Setpoint

(Initial)

Post Run

Column Information

Temperature Range

Dimensions

Heater

Column lock

In

Out

(Initial)

Pressure

Flow

Average Velocity

Holdup Time

Control Mode

Column Outlet Pressure

Back Detector FID

Makeup

Heater

H2 Flow

Air Flow

Makeup Flow

Carrier Gas Flow Correction

Flame

Blank Evaluation Setpoints

Perform Blank Evaluation Test

Helium Conservation

Helium Valve

Nitrogen Valve

Detector Evaluation

Perform Detector Evaluation Test

MSD Transfer Line

Temperature

Setpoint

(Initial)

Signals

Signal #1: Back Signal

Agilent 19091S-602

HP-1MS

-60 °C-325 °C (350 °C)

12.5 m x 200 µm x 0.33 µm (Calibrated)

Oven

Unlocked

Front SS Inlet He

MSD

150 °C

10 psi

0.75921 mL/min

51.363 cm/sec

0.40561 min

Constant Pressure

On

12.5 psi

2.8778 psi

Agilent 19091S-913

-60 °C-325 °C (350 °C)

15 m x 320 µm x 0.25 µm (Calibrated)

Oven

Unlocked

Back SS Inlet He

Back Detector FID

150 °C

12.5 psi

3.5849 mL/min

72.069 cm/sec

0.34689 min

Constant Pressure

0 psi

He

On 300 °C

On 30 mL/min

On 400 mL/min

On 25 mL/min

Constant Makeup and Fuel Flow

On

Off

Off

Off

Off

On

280 °C

Description	Back Signal
Details	Back Signal (FID)
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Back Sample

Signal #2:
Description None

Signal #3:
Description None

Signal #4:
Description None

Signal #5:
Description None

Signal #6:
Description None

Signal #7:
Description None

Signal #8:
Description None

TUNE PARAMETERS for SN: US2246MS10

Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
29.720	:	REPELLER	
90.331	:	IONFOCUS	
20.181	:	ENTRANCE_LENS	
883.721	:	EMVOLTS	
			913.2 : Actual EMV
			1.00 : GAIN FACTOR
3335.000	:	AMUGAIN	
132.750	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
13.233	:	ENTLENSOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
421.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

DATA ANALYSIS PARAMETERS

Method Name: D:\MassHunter\GCMS\1\methods\ASGC150ISO.M

Percent Report Settings

Sort By: Signal

Output Destination

Screen: No
Printer: Yes
File: No

Integration Events: AutoIntegrate

Generate Report During Run Method: No

Signal Correlation Window: 0.020

Quantitative Report Settings

Report Type: Summary

Output Destination

Screen: Yes
Printer: No
File: No

Generate Report During Run Method: No

Calibration Last Updated:

Reference Window: 10.00 Percent
Non-Reference Window: 5.00 Percent
Correlation Window: 0.02 minutes
Default Multiplier: 1.00
Default Sample Concentration: 0.00

Compound Information

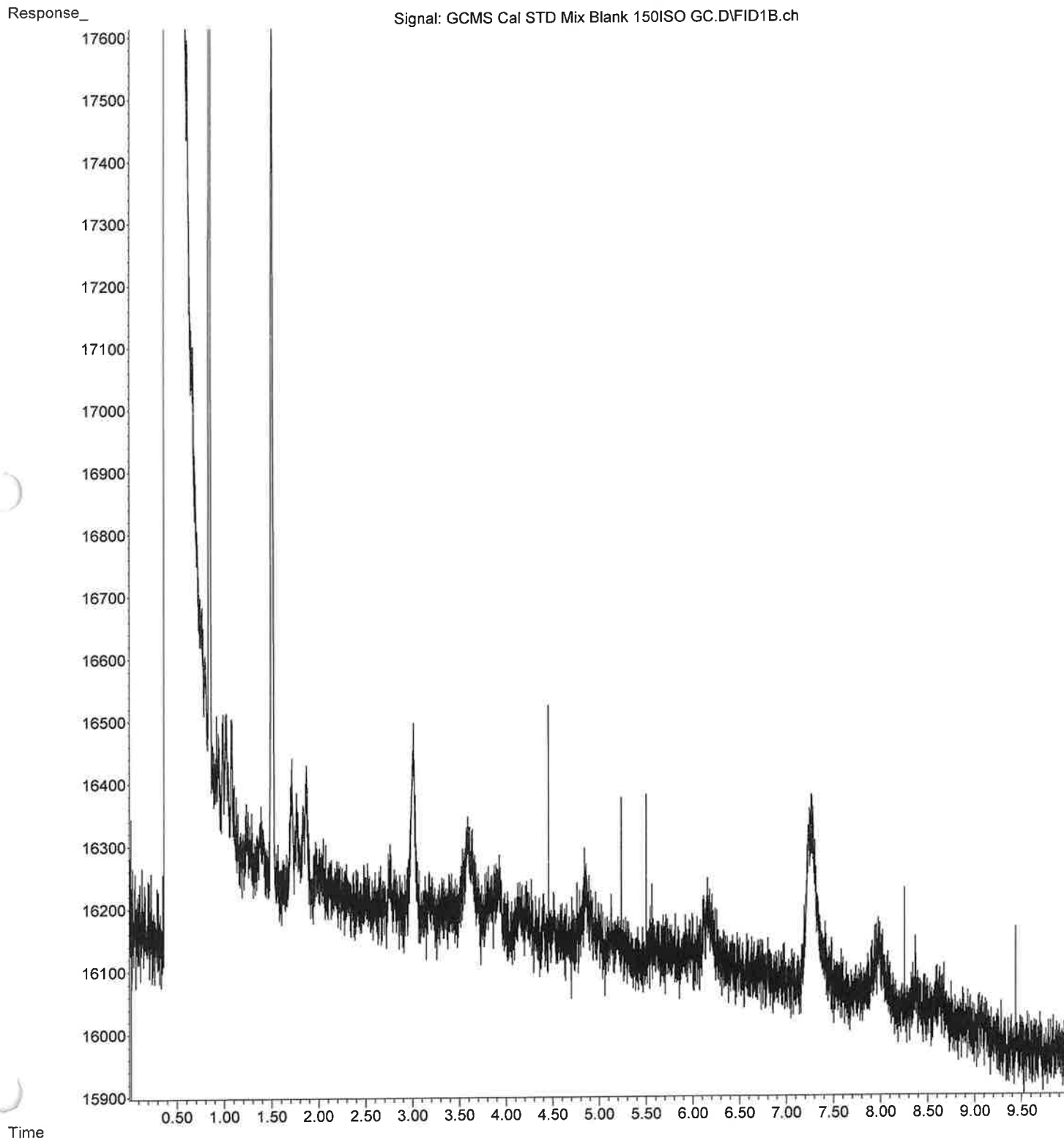
*** Empty Quantitation Database ***

END OF DATA ANALYSIS PARAMETERS

Tue Apr 04 09:57:27 2023

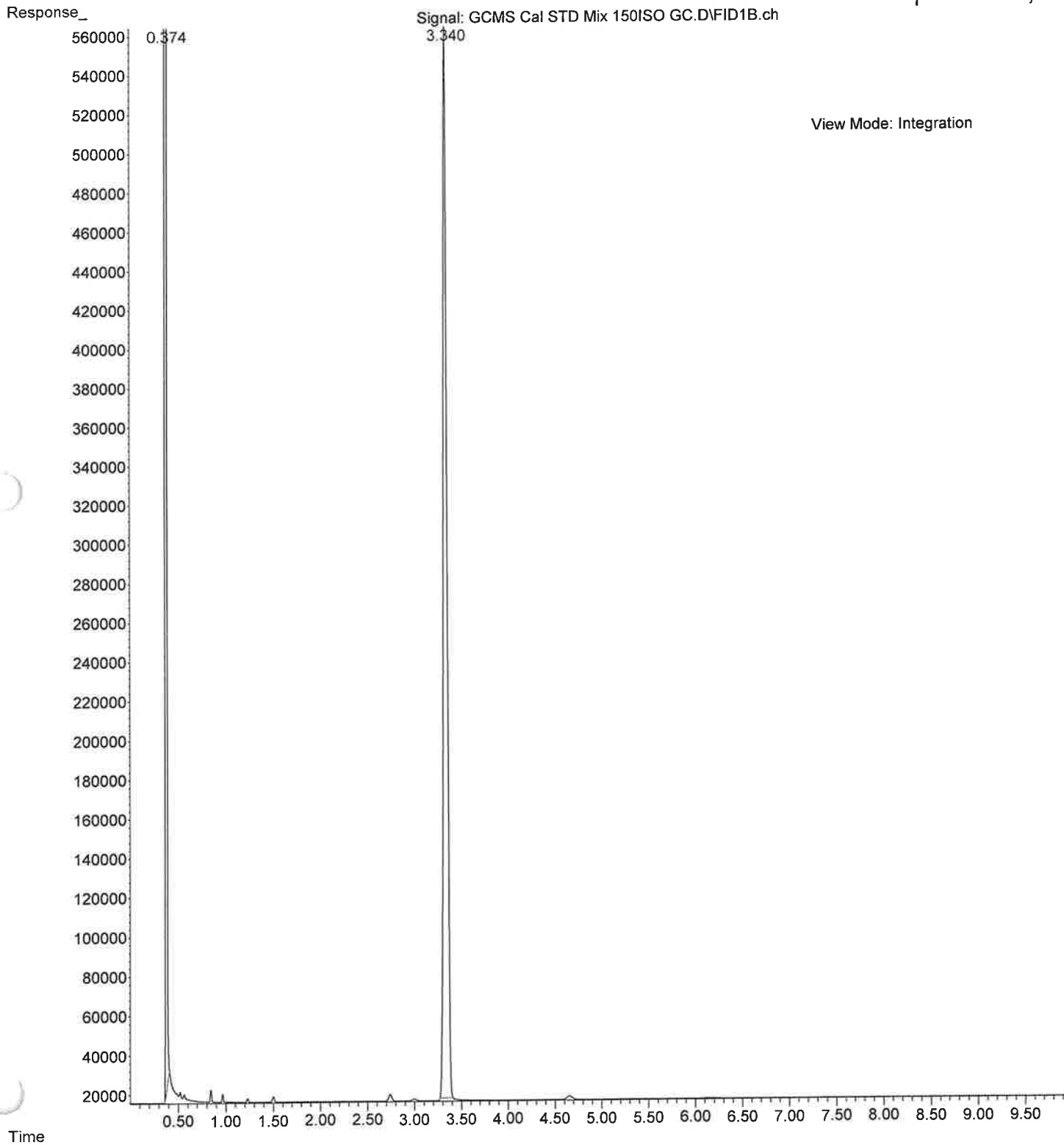
OK

File :X:\2023\IB\04-13-23\GCMS Cal STD Mix Blank 150ISO GC.D
Operator :
Acquired : 14 Apr 2023 01:11 using AcqMethod ASGC150ISO.M
Instrument : Stringbean
Sample Name: GCMS Cal STD Mix Blank 150ISO GC
Misc Info : MEOH
Vial Number: 2



File : X:\2023\IB\04-13-23\GCMS Cal STD Mix 150ISO GC.D
Operator :
Acquired : 14 Apr 2023 01:23 using AcqMethod ASGC150ISO.M
Instrument : Stringbean
Sample Name: GCMS Cal STD Mix 150ISO GC
Misc Info : MEOH, Exp.03-20-24
Vial Number: 3

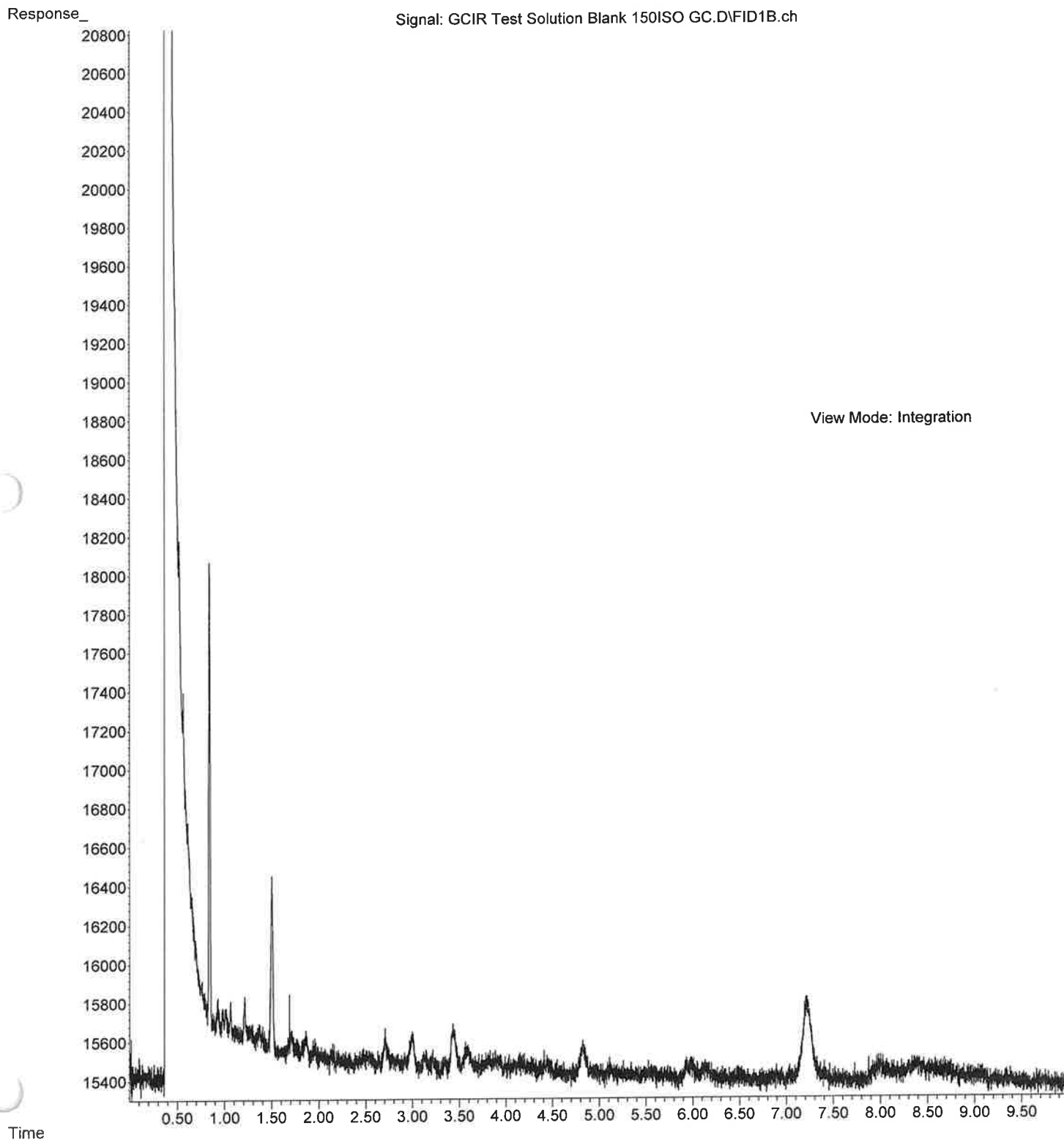
No separation of peaks etc



205

File :X:\2023\IB\04-13-23\GCIR Test Solution Blank 150ISO GC.D
Operator :
Acquired : 14 Apr 2023 01:49 using AcqMethod ASGC150ISO.M
Instrument : Stringbean
Sample Name: GCIR Test Solution Blank 150ISO GC
Misc Info : MEON
Vial Number: 4

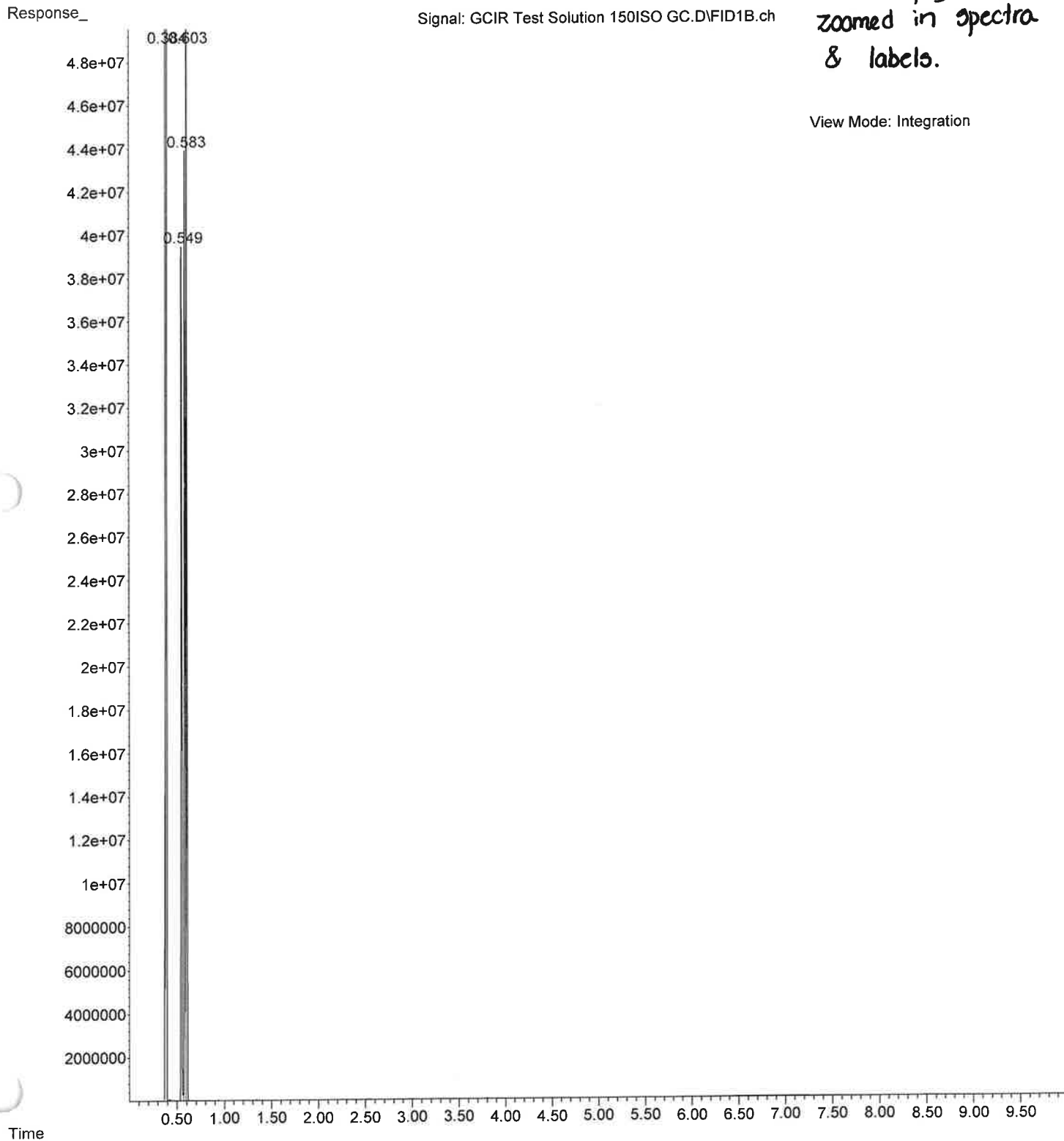
NCSD



WZ

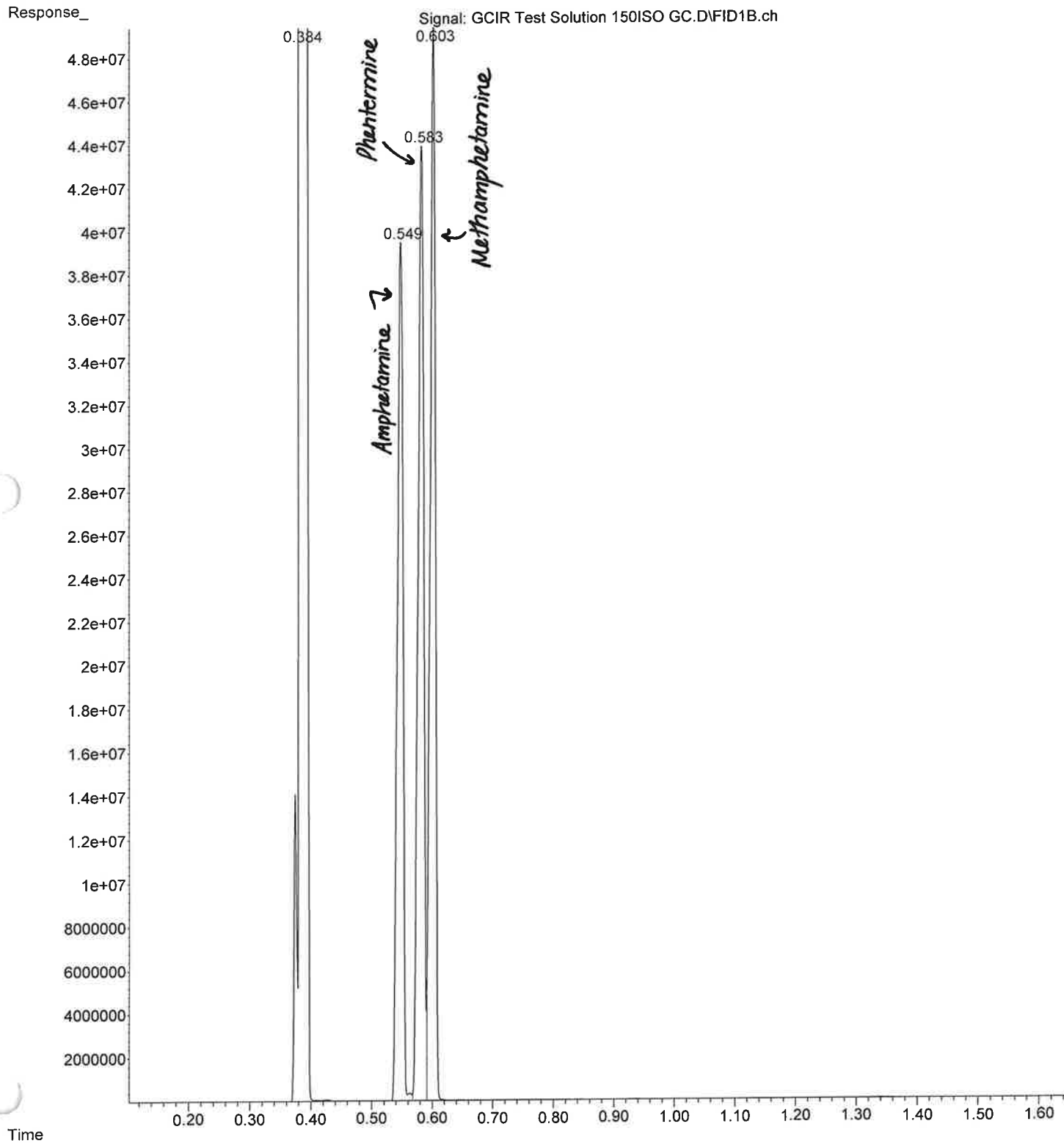
File :X:\2023\IB\04-13-23\GCIR Test Solution 150ISO GC.D
Operator :
Acquired : 14 Apr 2023 02:02 using AcqMethod ASGC150ISO.M
Instrument : Stringbean
Sample Name: GCIR Test Solution 150ISO GC
Misc Info : 0.5N NaOH/CHCL3, Exp.02-23-24
Vial Number: 5

See next page for
zoomed in spectra
& labels.



Handwritten signature

File :X:\2023\IB\04-13-23\GCIR Test Solution 150ISO GC.D
Operator :
Acquired : 14 Apr 2023 02:02 using AcqMethod ASGC150ISO.M
Instrument : Stringbean
Sample Name: GCIR Test Solution 150ISO GC
Misc Info : 0.5N NaOH/CHCL3, Exp.02-23-24
Vial Number: 5



METHOD CONTROL PARAMETERS

Method Information for: D:\MassHunter\GCMS\1\methods\ASGC280ISO.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:

This is an autosample GC 280 Isothermal / 10 minute method.

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	D:\MassHunter\GCMS\1\methods\ASGC280ISO.M
Tune file	ATUNE.U
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.0
Acquisition Type	Scan
Stop time (min)	10.00
Solvent delay (min)	3.00
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
3.00	50	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
------	-------------

D:\MassHunter\GCMS\1\methods\ASGC280ISO.M
Tue Apr 04 10:07:40 2023

Control Information

Sample Inlet : GC
Injection Source : GC ALS
Injection Location: Rear
Mass Spectrometer : Disabled

No Sample Prep method has been assigned to this method.

GC
GC Summary
Run Time 10 min
Post Run Time 0 min

Oven
Temperature
Setpoint On
(Initial) 280 °C
Hold Time 1 min
Post Run 50 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 9 min

Equilibration Time 0.25 min
N Temperature 350 °C
Minimum Temperature Override Disabled
Slow Fan Disabled

ALS
Front 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 3 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)	2
Solvent A Washes (PostInj)	2
Solvent A Volume	4 µL
Solvent B Washes (PreInj)	2
Solvent B Washes (PostInj)	2
Solvent B Volume	4 µL
Sample Washes	1
Sample Wash Volume	1 µL
Sample Pumps	4
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.5 µL
Solvent Wash Mode	A, B
Sample Overlap Mode	Sample overlap is not enabled
ALS Errors	Pause for user interaction
Front SS Inlet He	
Helium Conservation Controlled Mode	Off
Heater	Split
Pressure	On 250 °C
Total Flow	On 10 psi
Septum Purge Flow	On 27.687 mL/min
Pre-Run Flow Test	On 3 mL/min
Gas Saver	Off
Split Ratio	On 20 mL/min after 3 min
Split Flow	50 :1
Liner	24.203 mL/min
	A Liner has not been selected.
Back SS Inlet He	
Helium Conservation Controlled Mode	Off
Heater	Split
Pressure	On 300 °C
Total Flow	On 17.5 psi
Septum Purge Flow	On 185.67 mL/min
Pre-Run Flow Test	On 3 mL/min
Gas Saver	Off
Split Ratio	Off
Split Flow	50 :1
Liner	179.09 mL/min
	A Liner has not been selected.
Column	
Column #1	
Pressure	
Setpoint (Initial)	On
Post Run	10 psi
	7.903 psi

Column Information	Agilent 19091S-602
Description	HP-1MS
Temperature Range	-60 °C-325 °C (350 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm (Calibrated)
Heater	Oven
Column lock	Unlocked
Inlet	Front SS Inlet He
Out	MSD
(Initial)	280 °C
Pressure	10 psi
Flow	0.48406 mL/min
Average Velocity	42.809 cm/sec
Holdup Time	0.48666 min
Control Mode	Constant Pressure

Column #2	
Pressure	
Setpoint	On
(Initial)	17.5 psi
Post Run	2.8778 psi

Column Information	Agilent 19091S-913
Temperature Range	-60 °C-325 °C (350 °C)
Dimensions	15 m x 320 µm x 0.25 µm (Calibrated)
Heater	Oven
Column lock	Unlocked
In	Back SS Inlet He
Out	Back Detector FID
(Initial)	280 °C
Pressure	17.5 psi
Flow	3.5818 mL/min
Average Velocity	82.747 cm/sec
Holdup Time	0.30213 min
Control Mode	Constant Pressure

Column Outlet Pressure	0 psi
Back Detector FID	
Makeup	He
Heater	On 300 °C
H2 Flow	On 30 mL/min
Air Flow	On 400 mL/min
Makeup Flow	On 25 mL/min
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	On
Blank Evaluation Setpoints	
Perform Blank Evaluation Test	Off

Helium Conservation	
Helium Valve	Off
Nitrogen Valve	Off

Detector Evaluation	
Perform Detector Evaluation Test	Off

MSD Transfer Line	
Temperature	
Setpoint	On
(Initial)	280 °C

Signals	
Signal #1: Back Signal	

Description	Back Signal
Details	Back Signal (FID)
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Back Sample

Signal #2: Description	None
---------------------------	------

Signal #3: Description	None
---------------------------	------

Signal #4: Description	None
---------------------------	------

Signal #5: Description	None
---------------------------	------

Signal #6: Description	None
---------------------------	------

Signal #7: Description	None
---------------------------	------

Signal #8: Description	None
---------------------------	------

TUNE PARAMETERS for SN: US2246MS10

Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
29.720	:	REPELLER	
90.331	:	IONFOCUS	
20.181	:	ENTRANCE_LENS	
883.721	:	EMVOLTS	
			913.2 : Actual EMV
			1.00 : GAIN FACTOR
3335.000	:	AMUGAIN	
132.750	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
13.233	:	ENTLENSOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
421.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

DATA ANALYSIS PARAMETERS

Method Name: D:\MassHunter\GCMS\1\methods\ASGC280ISO.M

Percent Report Settings

Sort By: Signal

Output Destination

Screen: No
Printer: Yes
File: No

Integration Events: AutoIntegrate

Generate Report During Run Method: No

Signal Correlation Window: 0.020

Quantitative Report Settings

Report Type: Summary

Output Destination

Screen: Yes
Printer: No
File: No

Generate Report During Run Method: No

Calibration Last Updated:

Reference Window: 10.00 Percent
Non-Reference Window: 5.00 Percent
Correlation Window: 0.02 minutes
Default Multiplier: 1.00
Default Sample Concentration: 0.00

Compound Information

*** Empty Quantitation Database ***

END OF DATA ANALYSIS PARAMETERS

Tue Apr 04 10:07:42 2023

File :X:\2023\IB\04-13-23\GCMS Cal STD Mix Blank 280ISO GC.D
Operator :
Acquired : 14 Apr 2023 02:30 using AcqMethod ASGC280ISO.M
Instrument : Stringbean
Sample Name: GCMS Cal STD Mix Blank 280ISO GC
Misc Info : MEOH
Vial Number: 2

NCSD

Response_

Signal: GCMS Cal STD Mix Blank 280ISO GC.D\FID1B.ch

View Mode: Integration

41000
40000
39000
38000
37000
36000
35000
34000
33000
32000
31000
30000
29000
28000
27000
26000
25000
24000

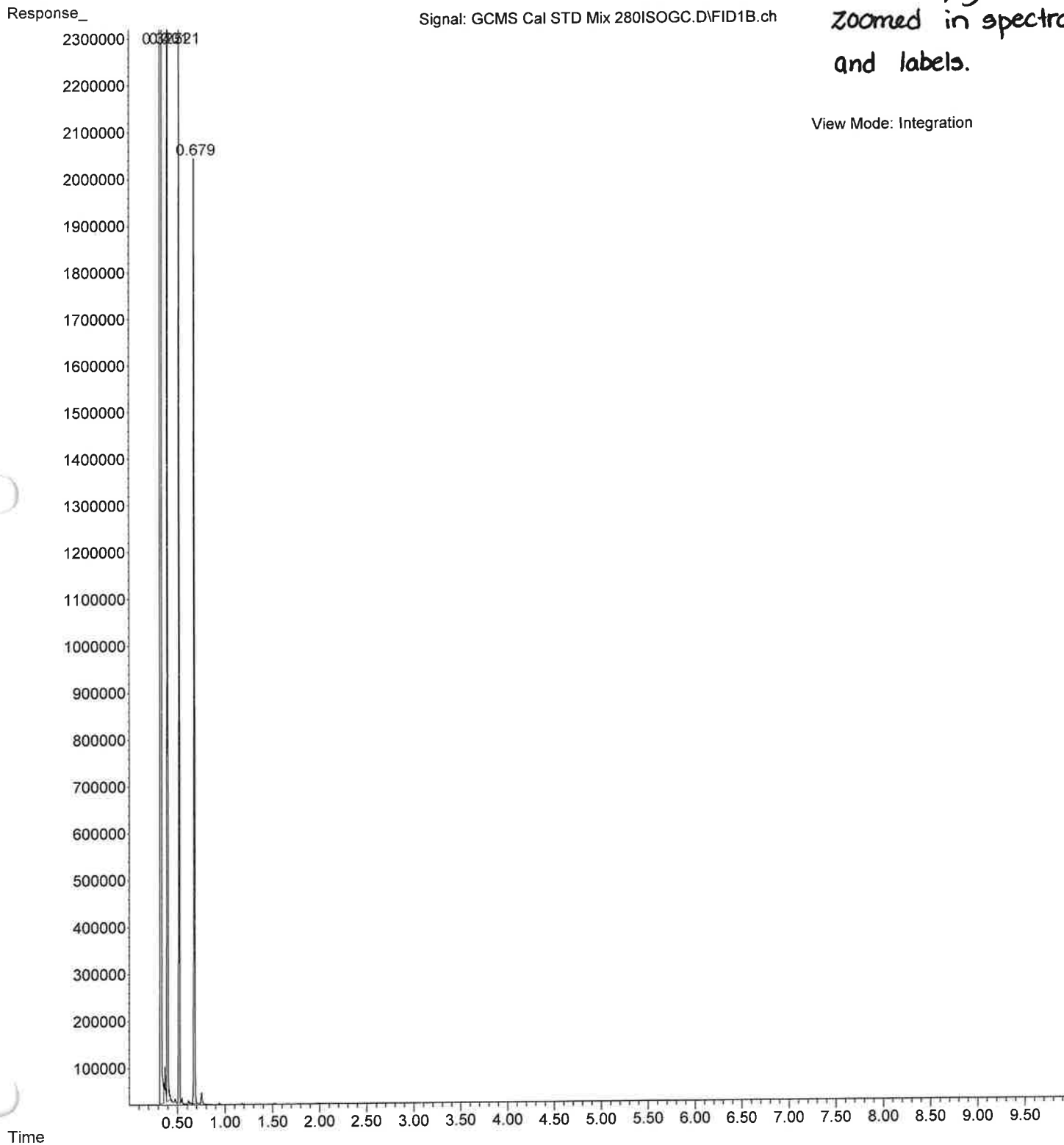
Time

0.50 1.00 1.50 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 6.00 6.50 7.00 7.50 8.00 8.50 9.00 9.50

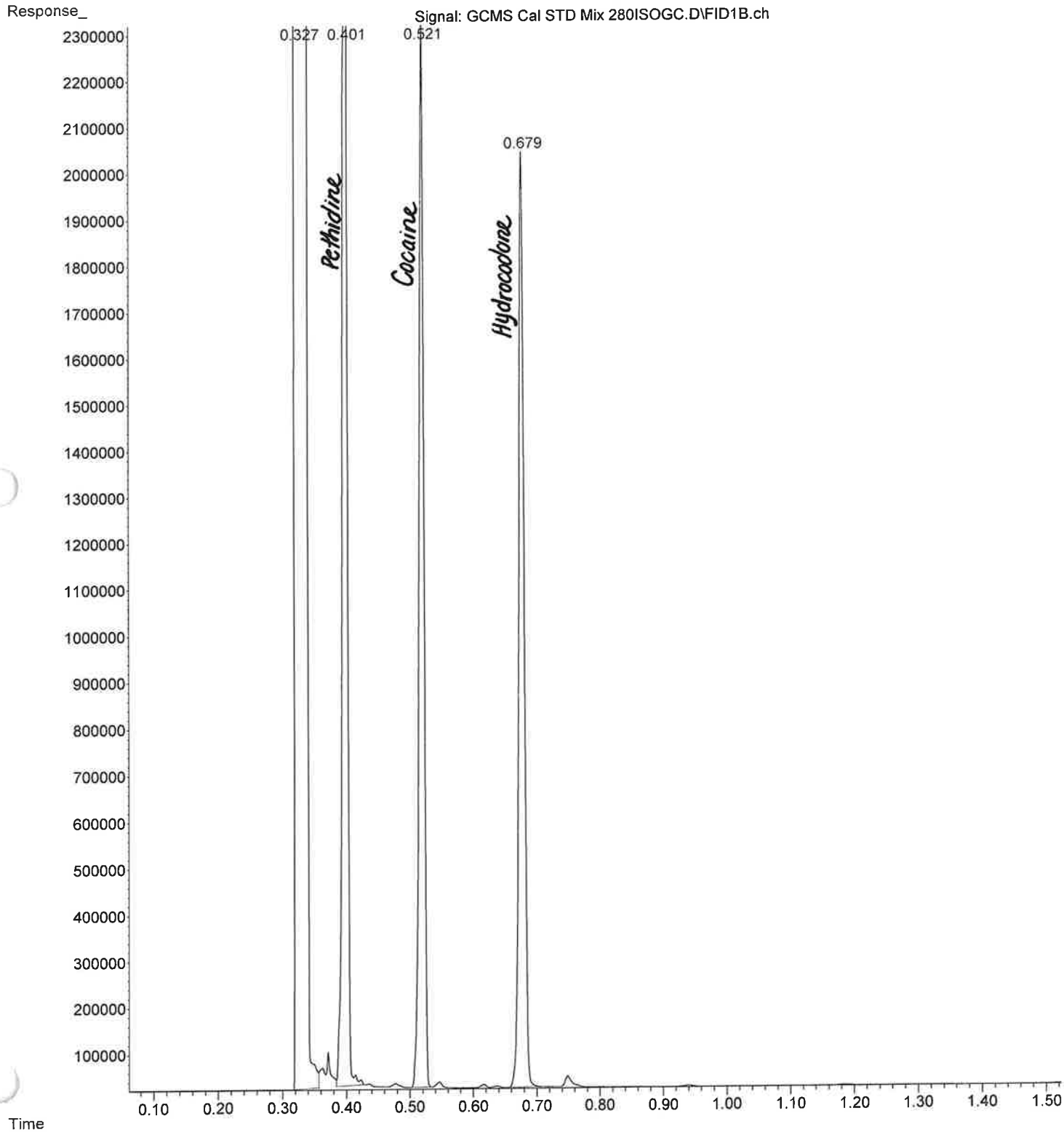
ME

File :X:\2023\IB\04-13-23\GCMS Cal STD Mix 280ISOGC.D
Operator :
Acquired : 14 Apr 2023 02:43 using AcqMethod ASGC280ISO.M
Instrument : Stringbean
Sample Name: GCMS Cal STD Mix 280ISOGC
Misc Info : ME0H, Exp.03-20-24
Vial Number: 3

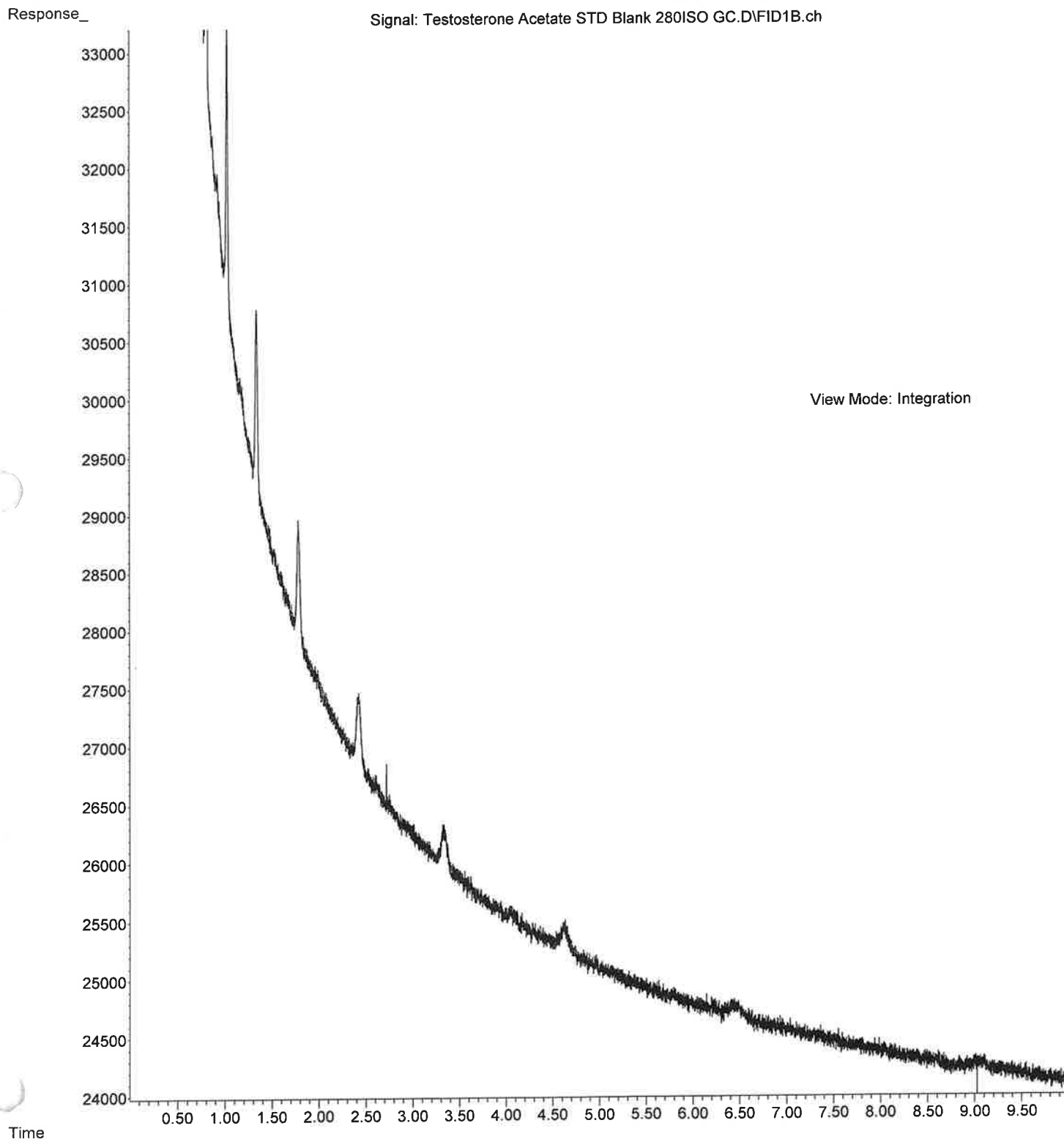
See next page for
Zoomed in spectra
and labels.



File : X:\2023\IB\04-13-23\GCMS Cal STD Mix 280ISOGC.D
Operator :
Acquired : 14 Apr 2023 02:43 using AcqMethod ASGC280ISO.M
Instrument : Stringbean
Sample Name: GCMS Cal STD Mix 280ISOGC
Misc Info : MEON, Exp.03-20-24
Vial Number: 3

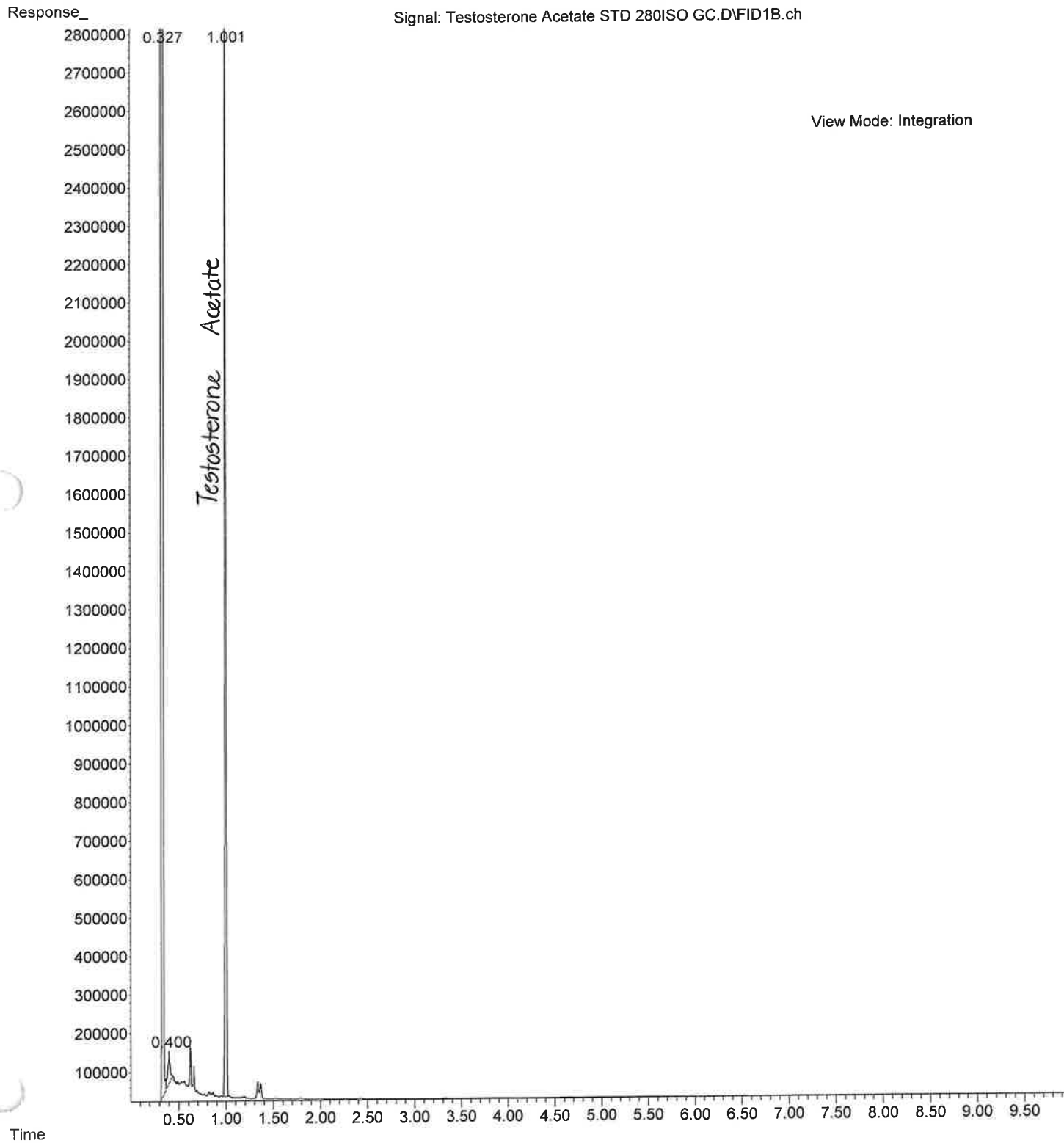


File :X:\2023\IB\04-13-23\Testosterone Acetate STD Blank 280ISO GC
... .D
Operator :
Instrument : Stringbean
Acquired : 14 Apr 2023 03:08 using AcqMethod ASGC280ISO.M
Sample Name: Testosterone Acetate STD Blank 280ISO GC
Misc Info : MEOH



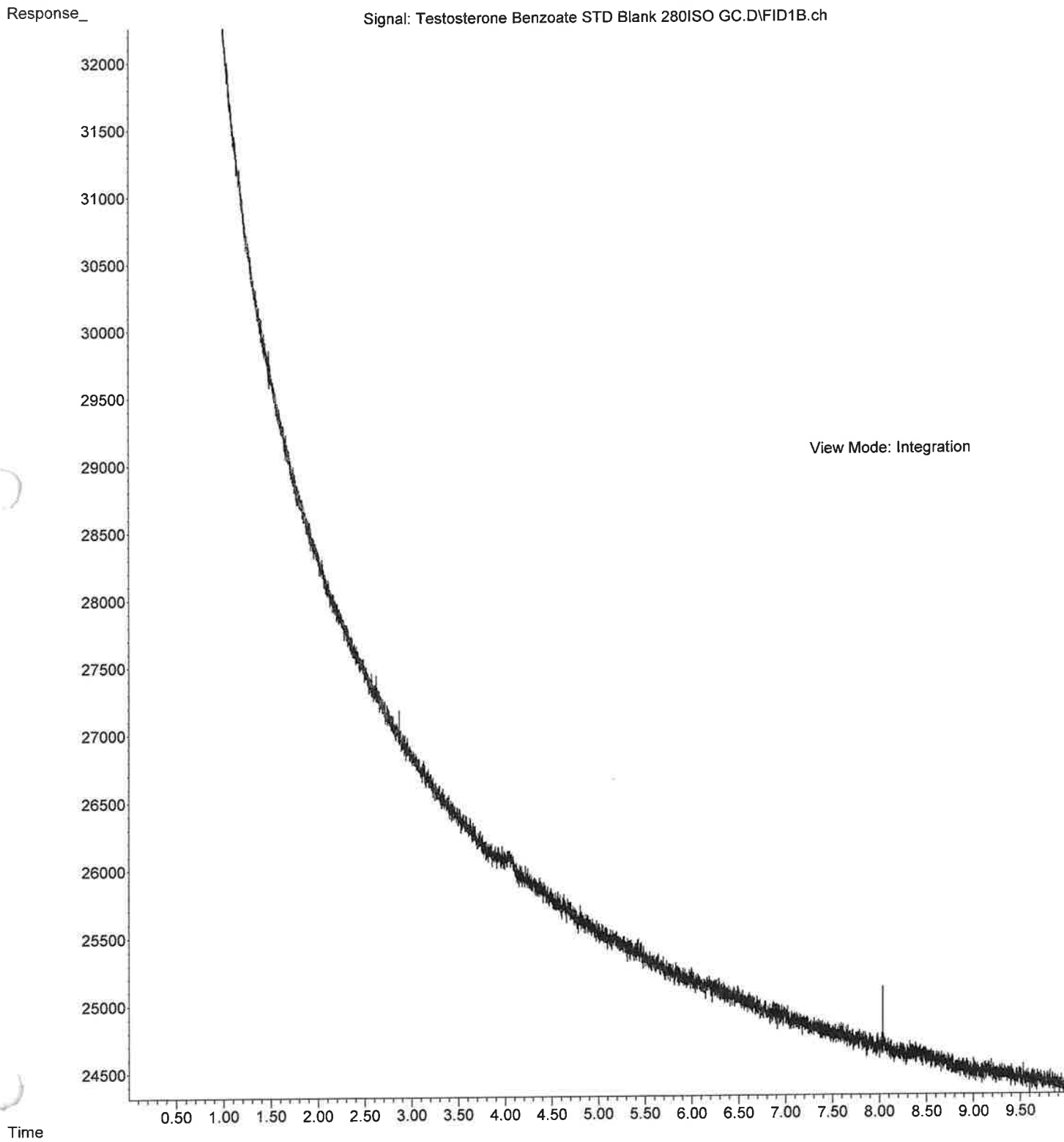
all

File :X:\2023\IB\04-13-23\Testosterone Acetate STD 280ISO GC.D
Operator :
Acquired : 14 Apr 2023 03:21 using AcqMethod ASGC280ISO.M
Instrument : Stringbean
Sample Name: Testosterone Acetate STD 280ISO GC
Misc Info : ME0H,Sigma,Lot19F0299,Exp.02-06-24
Vial Number: 9

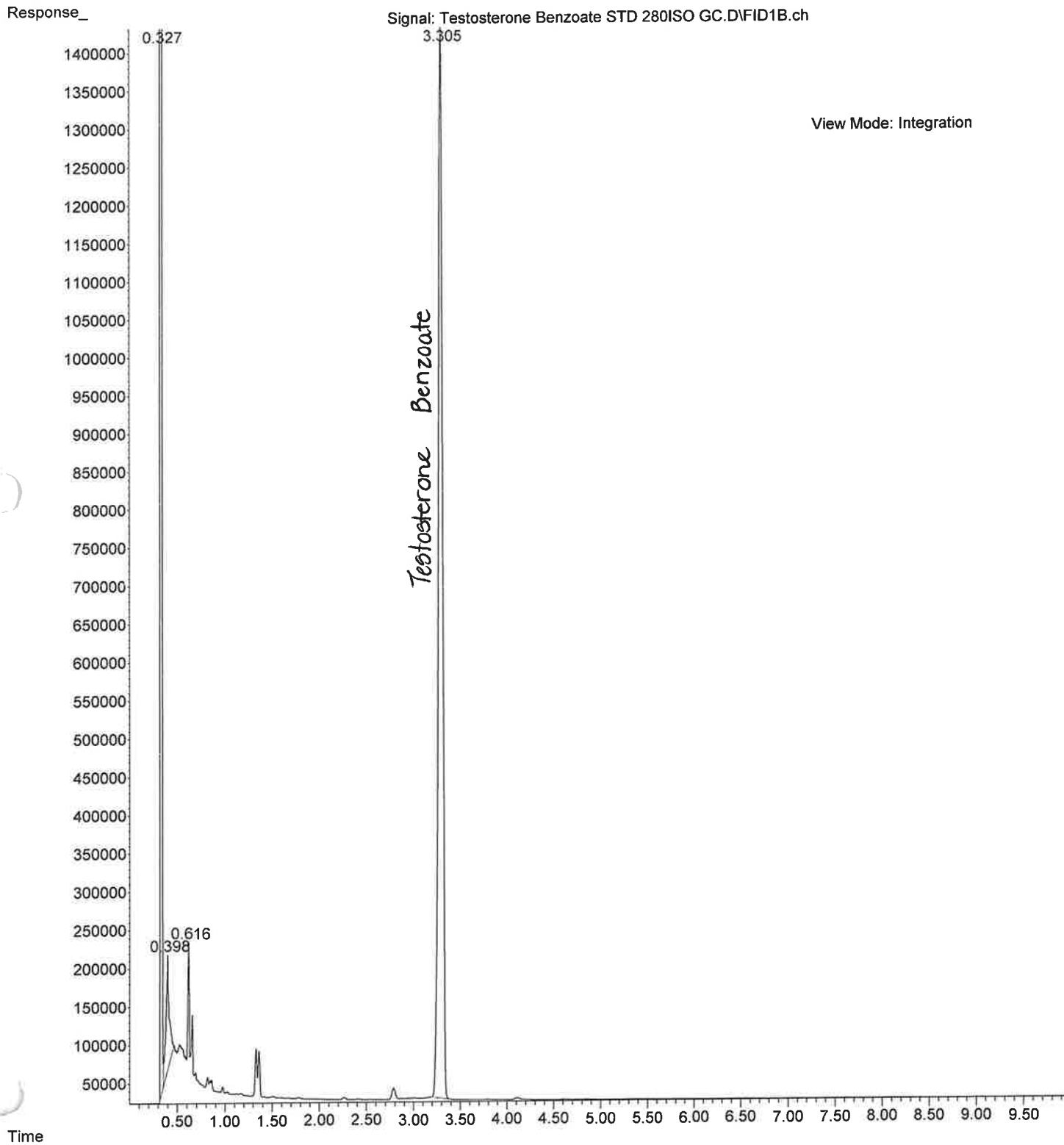


91

File :X:\2023\IB\04-13-23\Testosterone Benzoate STD Blank 280ISO G
C.D
Operator :
Instrument : Stringbean
Acquired : 14 Apr 2023 03:47 using AcqMethod ASGC280ISO.M
Sample Name: Testosterone Benzoate STD Blank 280ISO GC
Misc Info : MEOH



File :X:\2023\IB\04-13-23\Testosterone Benzoate STD 280ISO GC.D
Operator :
Acquired : 14 Apr 2023 03:59 using AcqMethod ASGC280ISO.M
Instrument : Stringbean
Sample Name: Testosterone Benzoate STD 280ISO GC
Misc Info : ME0H,Sigma,Lot49F0246,Exp.02-10-24
Vial Number: 15



METHOD CONTROL PARAMETERS

Method Information for: D:\MassHunter\GCMS\1\methods\ASGC280ISOTI.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:

This is an autosample GC 280 Isothermal / 30 minute method.

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	D:\MassHunter\GCMS\1\methods\ASGC280ISOTI.M
Tune file	ATUNE.U
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.0
Acquisition Type	Scan
Stop time (min)	10.00
Solvent delay (min)	3.00
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
3.00	50	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
------	-------------

D:\MassHunter\GCMS\1\methods\ASGC280ISOTI.M

Tue Apr 04 10:10:30 2023

Control Information

Sample Inlet : GC
Injection Source : GC ALS
Injection Location: Rear
Mass Spectrometer : Disabled

No Sample Prep method has been assigned to this method.

GC

GC Summary

Run Time 30 min
Post Run Time 0 min

Oven

Temperature

Setpoint On
(Initial) 280 °C
Hold Time 1 min
Post Run 50 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 29 min

Equilibration Time 0.25 min
Temperature 350 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS

Front 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 3 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)	2
Solvent A Washes (PostInj)	2
Solvent A Volume	4 µL
Solvent B Washes (PreInj)	2
Solvent B Washes (PostInj)	2
Solvent B Volume	4 µL
Sample Washes	1
Sample Wash Volume	1 µL
Sample Pumps	4
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.5 µL
Solvent Wash Mode	A, B
Sample Overlap Mode	Sample overlap is not enabled
ALS Errors	Pause for user interaction
Front SS Inlet He	
Helium Conservation Controlled Mode	Off
Heater	Split
Pressure	On 250 °C
Total Flow	On 10 psi
Septum Purge Flow	On 27.687 mL/min
Pre-Run Flow Test	On 3 mL/min
Gas Saver	Off
Split Ratio	On 20 mL/min after 3 min
Split Flow	50 :1
Liner	24.203 mL/min
	A Liner has not been selected.
Back SS Inlet He	
Helium Conservation Controlled Mode	Off
Heater	Split
Pressure	On 300 °C
Total Flow	On 17.5 psi
Septum Purge Flow	On 185.67 mL/min
Pre-Run Flow Test	On 3 mL/min
Gas Saver	Off
Split Ratio	Off
Split Flow	50 :1
Liner	179.09 mL/min
	A Liner has not been selected.
Column	
Column #1	
Pressure	
Setpoint	On
(Initial)	10 psi
Post Run	7.903 psi

Column Information	Agilent 19091S-602
Description	HP-1MS
Temperature Range	-60 °C-325 °C (350 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm (Calibrated)
Heater	Oven
Column lock	Unlocked
Inlet	Front SS Inlet He
Out	MSD
(Initial)	280 °C
Pressure	10 psi
Flow	0.48406 mL/min
Average Velocity	42.809 cm/sec
Holdup Time	0.48666 min
Control Mode	Constant Pressure

Column #2	
Pressure	On
Setpoint	17.5 psi
(Initial)	2.8778 psi
Post Run	

Column Information	Agilent 19091S-913
Temperature Range	-60 °C-325 °C (350 °C)
Dimensions	15 m x 320 µm x 0.25 µm (Calibrated)
Heater	Oven
Column lock	Unlocked
Inlet	Back SS Inlet He
Out	Back Detector FID
(Initial)	280 °C
Pressure	17.5 psi
Flow	3.5818 mL/min
Average Velocity	82.747 cm/sec
Holdup Time	0.30213 min
Control Mode	Constant Pressure

Column Outlet Pressure	0 psi
------------------------	-------

Back Detector FID	
Makeup	He
Heater	On 300 °C
H2 Flow	On 30 mL/min
Air Flow	On 400 mL/min
Makeup Flow	On 25 mL/min
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	On
Blank Evaluation Setpoints	
Perform Blank Evaluation Test	Off

Helium Conservation	
Helium Valve	Off
Nitrogen Valve	Off

Detector Evaluation	
Perform Detector Evaluation Test	Off

MSD Transfer Line	
Temperature	
Setpoint	On
(Initial)	280 °C

Signals	
Signal #1: Back Signal	

Description	Back Signal
Details	Back Signal (FID)
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Back Sample

Signal #2:
Description None

Signal #3:
Description None

Signal #4:
Description None

Signal #5:
Description None

Signal #6:
Description None

Signal #7:
Description None

Signal #8:
Description None

TUNE PARAMETERS for SN: US2246MS10

Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
29.720	:	REPELLER	
90.331	:	IONFOCUS	
20.181	:	ENTRANCE_LENS	
883.721	:	EMVOLTS	
		913.2	: Actual EMV
		1.00	: GAIN FACTOR
3335.000	:	AMUGAIN	
132.750	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
13.233	:	ENTLENSOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
421.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

DATA ANALYSIS PARAMETERS

Method Name: D:\MassHunter\GCMS\1\methods\ASGC280ISOTI.M

Percent Report Settings

Sort By: Signal

Output Destination

Screen: No
Printer: Yes
File: No

Integration Events: AutoIntegrate

Generate Report During Run Method: No

Signal Correlation Window: 0.020

Quantitative Report Settings

Report Type: Summary

Output Destination

Screen: Yes
Printer: No
File: No

Generate Report During Run Method: No

Calibration Last Updated:

Reference Window: 10.00 Percent
Non-Reference Window: 5.00 Percent
Correlation Window: 0.02 minutes
Default Multiplier: 1.00
Default Sample Concentration: 0.00

Compound Information

*** Empty Quantitation Database ***

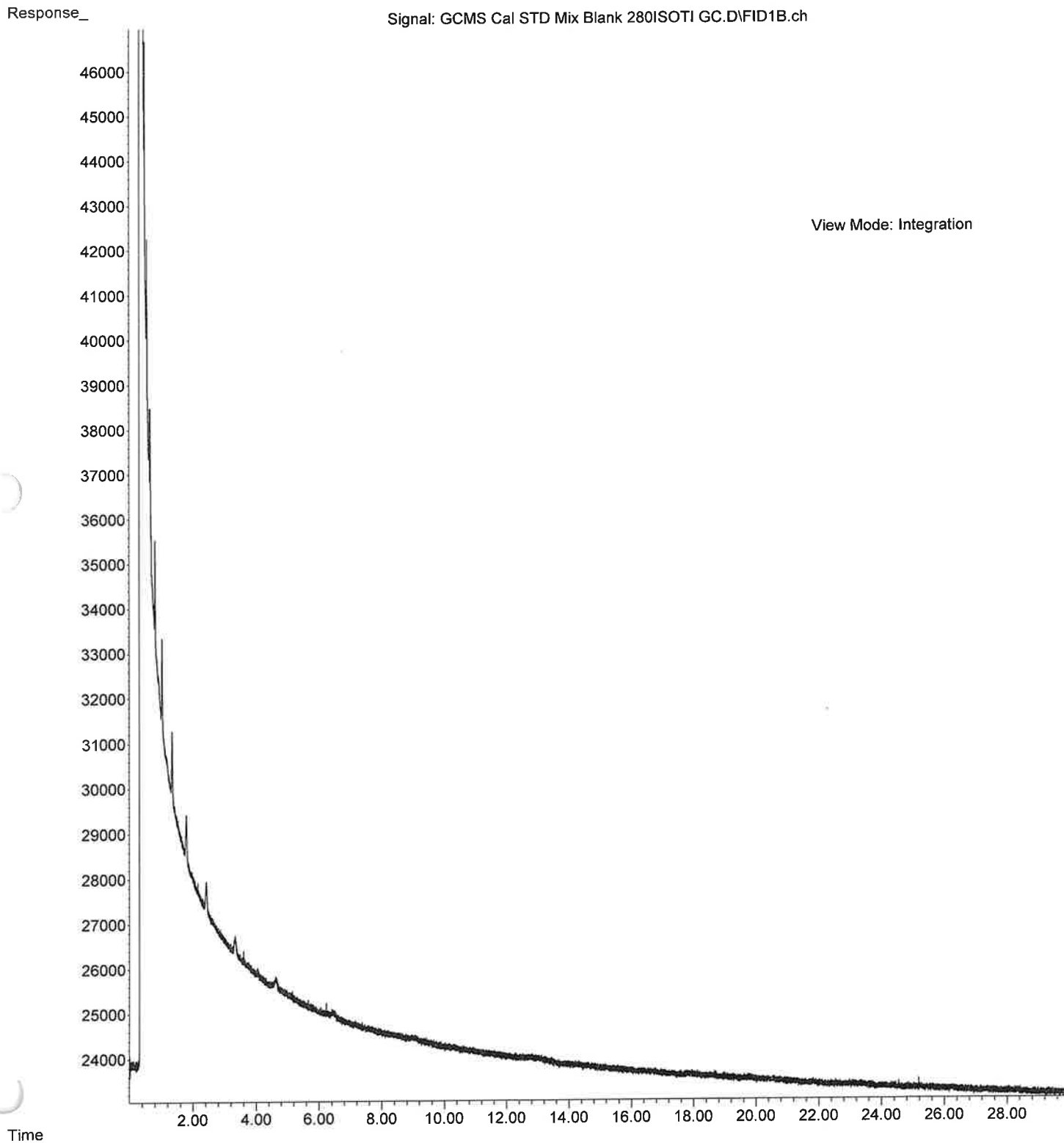
END OF DATA ANALYSIS PARAMETERS

Tue Apr 04 10:10:31 2023

abz

File :X:\2023\IB\04-13-23\GCMS Cal STD Mix Blank 280ISOTI GC.D
Operator :
Acquired : 14 Apr 2023 04:25 using AcqMethod ASGC280ISOTI.M
Instrument : Stringbean
Sample Name: GCMS Cal STD Mix Blank 280ISOTI GC
Misc Info : MEOH
Vial Number: 2

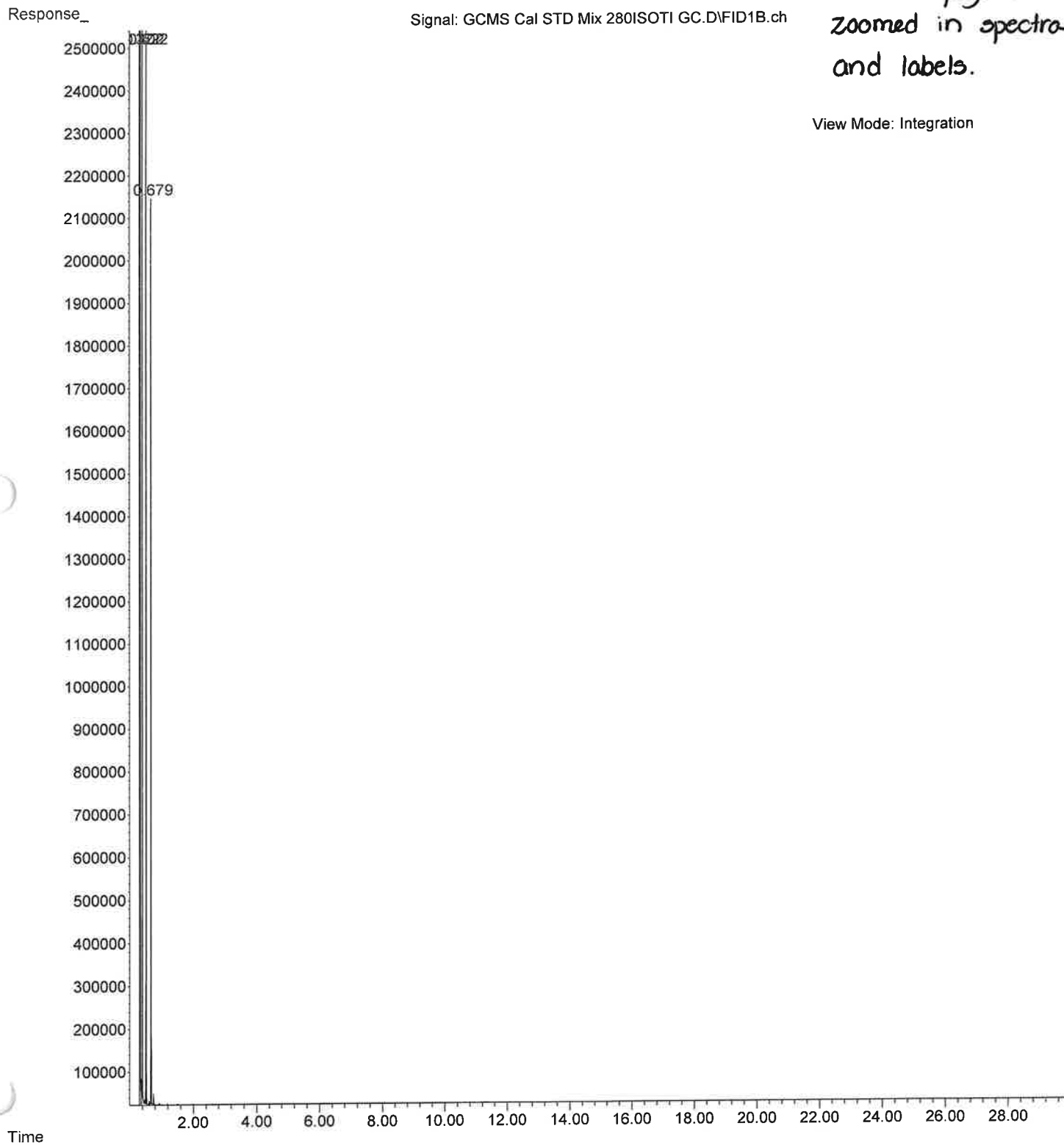
NCSD



46

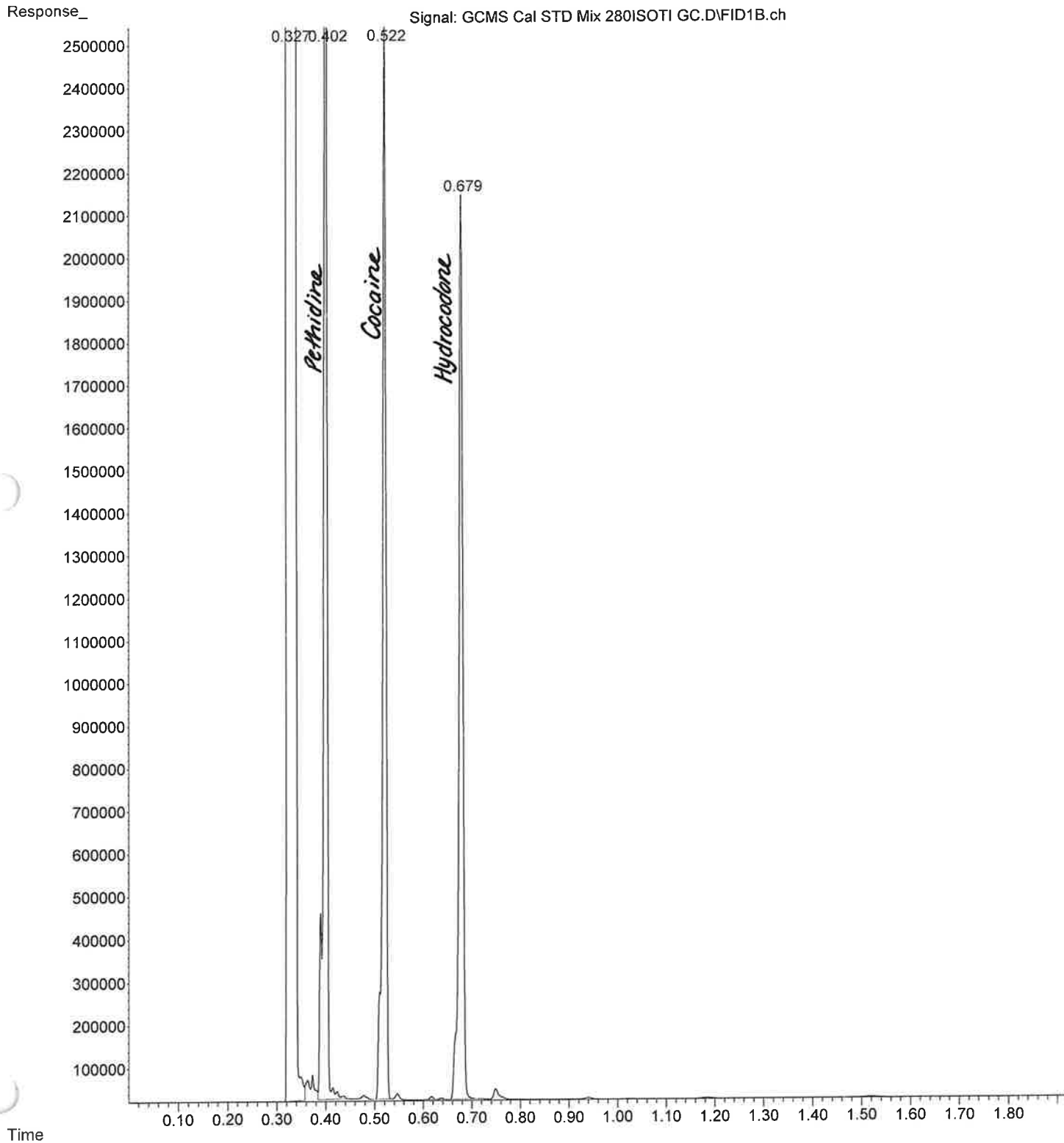
File : X:\2023\IB\04-13-23\GCMS Cal STD Mix 280ISOTI GC.D
Operator :
Acquired : 14 Apr 2023 05:00 using AcqMethod ASGC280ISOTI.M
Instrument : Stringbean
Sample Name: GCMS Cal STD Mix 280ISOTI GC
Misc Info : ME0H, Exp.03-20-24
Vial Number: 3

See next page for
zoomed in spectra
and labels.



Elk

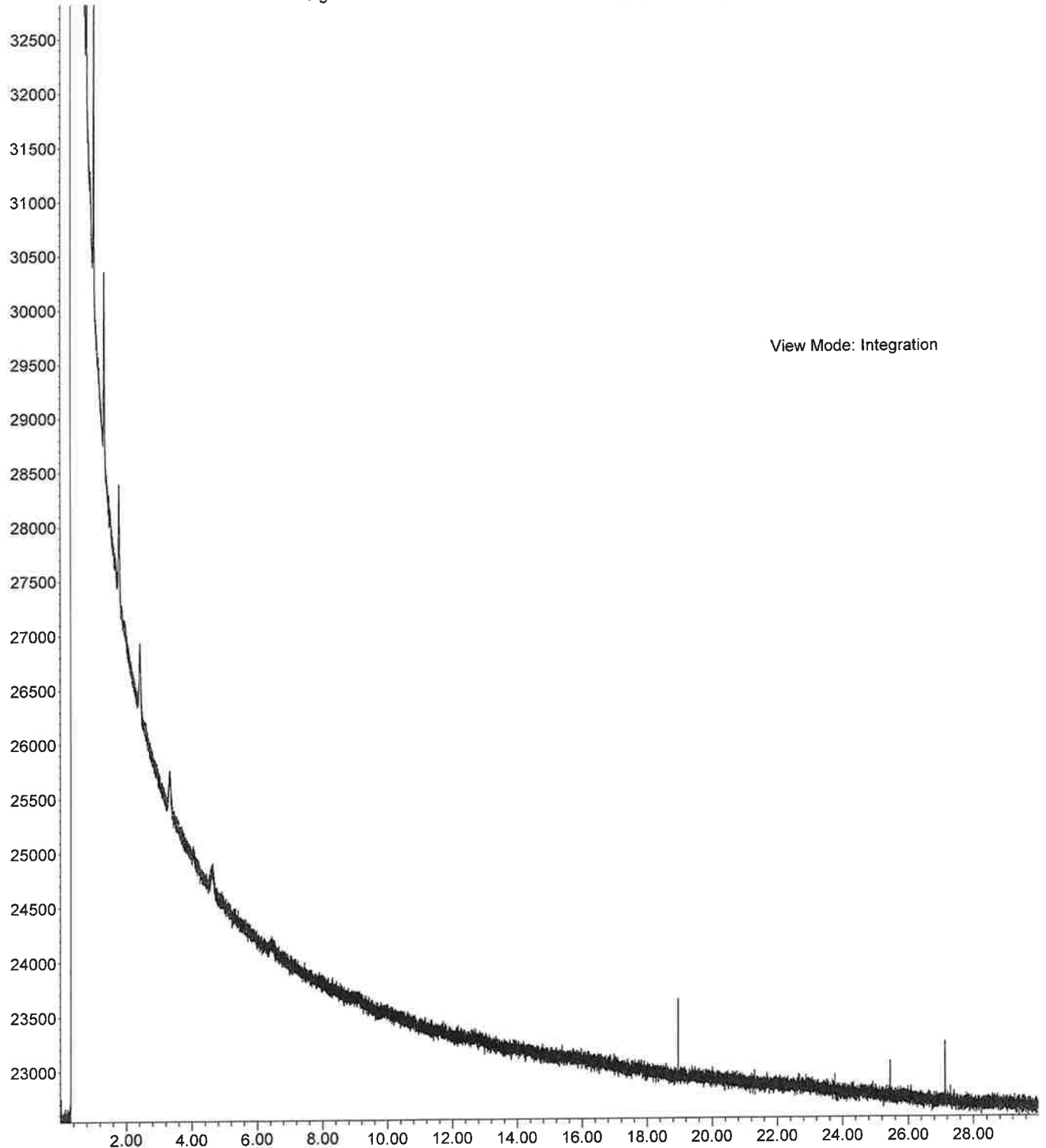
File :X:\2023\IB\04-13-23\GCMS Cal STD Mix 280ISOTI GC.D
Operator :
Acquired : 14 Apr 2023 05:00 using AcqMethod ASGC280ISOTI.M
Instrument : Stringbean
Sample Name: GCMS Cal STD Mix 280ISOTI GC
Misc Info : ME0H, Exp.03-20-24
Vial Number: 3



File :X:\2023\IB\04-13-23\Testosterone Acetate STD Blank 280ISOTI
... GC.D
Operator :
Instrument : Stringbean
Acquired : 14 Apr 2023 06:09 using AcqMethod ASGC280ISOTI.M
Sample Name: Testosterone Acetate STD Blank 280ISOTI GC
Misc Info : MEOH

Response_

Signal: Testosterone Acetate STD Blank 280ISOTI GC.D\FID1B.ch

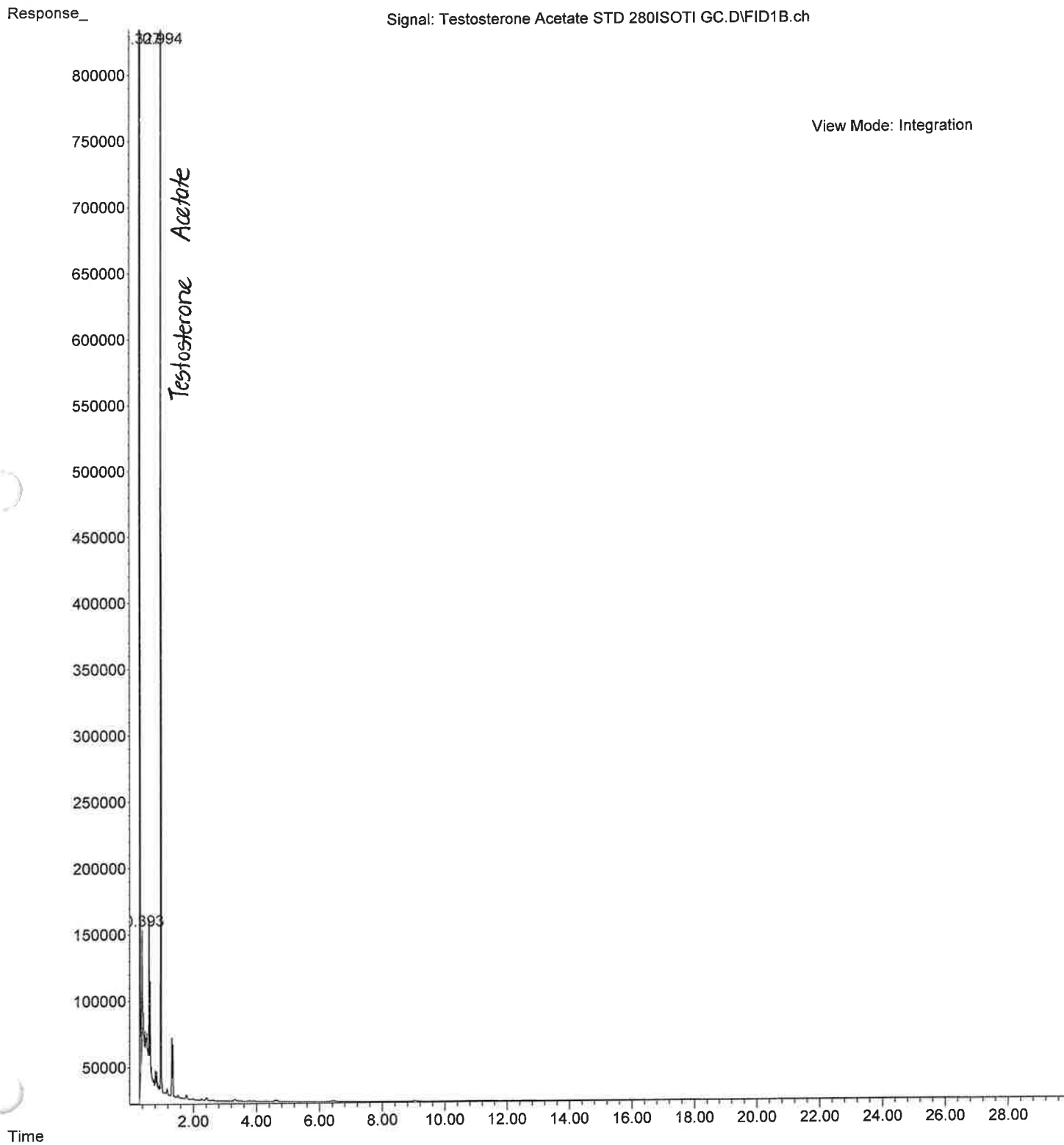


Time

View Mode: Integration

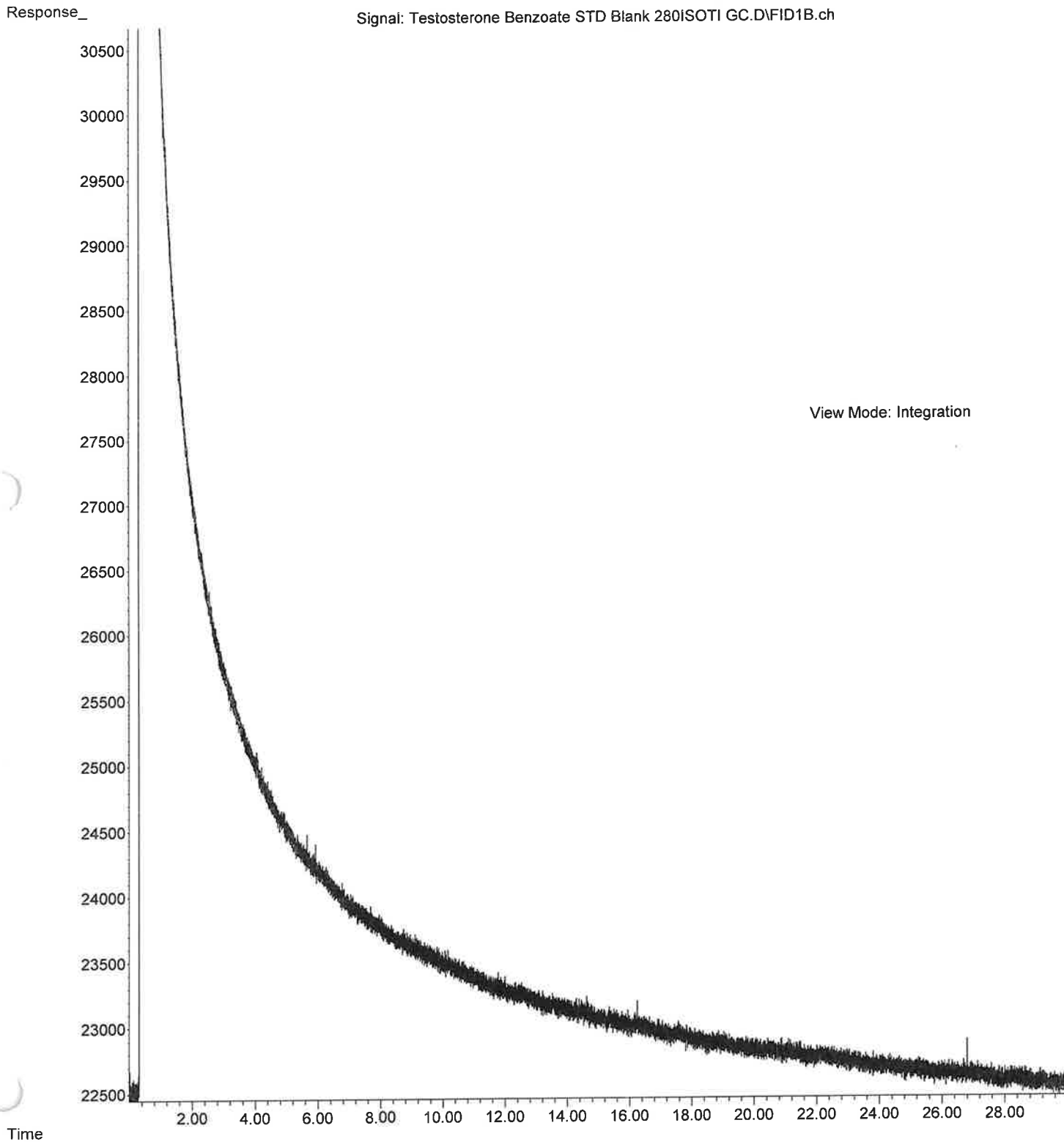
adh

File :X:\2023\IB\04-13-23\Testosterone Acetate STD 280ISOTI GC.D
Operator :
Acquired : 14 Apr 2023 06:43 using AcqMethod ASGC280ISOTI.M
Instrument : Stringbean
Sample Name: Testosterone Acetate STD 280ISOTI GC
Misc Info : ME0H,Sigma,Lot19F0299,Exp.02-06-24
Vial Number: 9



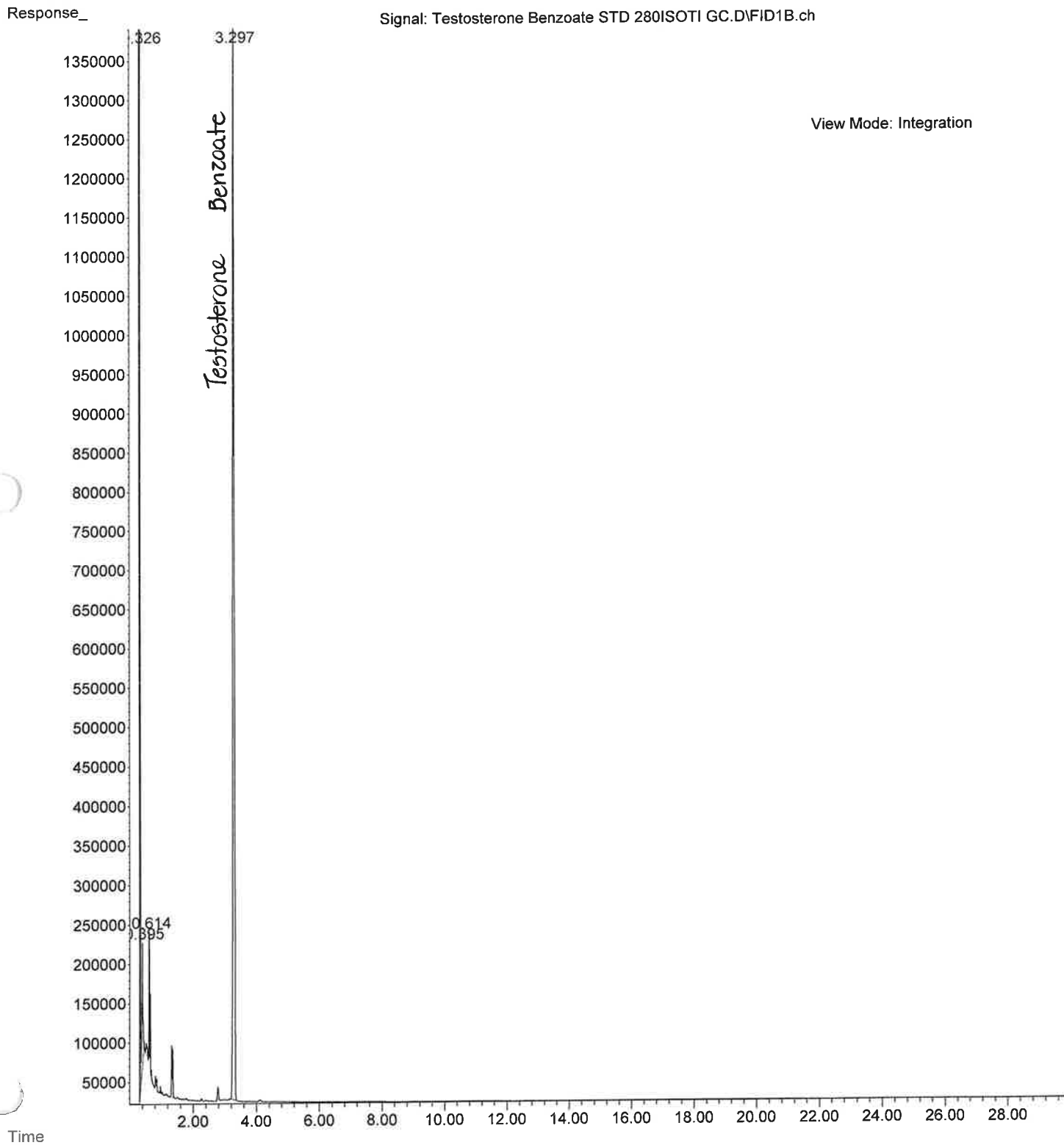
Ch

File :X:\2023\IB\04-13-23\Testosterone Benzoate STD Blank 280ISOTI
GC.D
Operator :
Instrument : Stringbean
Acquired : 14 Apr 2023 07:53 using AcqMethod ASGC280ISOTI.M
Sample Name: Testosterone Benzoate STD Blank 280ISOTI GC
Misc Info : ME OH



qjh

File :X:\2023\IB\04-13-23\Testosterone Benzoate STD 280ISOTI GC.D
Operator :
Acquired : 14 Apr 2023 08:28 using AcqMethod ASGC280ISOTI.M
Instrument : Stringbean
Sample Name: Testosterone Benzoate STD 280ISOTI GC
Misc Info : ME0H,Sigma,Lot49F0246,Exp.02-10-24
Vial Number: 15



METHOD CONTROL PARAMETERS

Method Information for: D:\MassHunter\GCMS\1\methods\MSDRUGS60NIT.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:

This is a manual injection MS 60-280 / 10 minute method for nitrites (gas phase).

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	D:\MassHunter\GCMS\1\methods\MSDRUGS60NIT.M
Tune file	ATUNE.U
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.0
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	5	550	150	6,250 [N=0]

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	40	550

Self-Cleaning Ion Source Parameters

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

D:\MassHunter\GCMS\1\methods\MSDRUGS60NIT.M
Tue Apr 04 10:52:52 2023

Control Information

Sample Inlet : GC
Injection Source : Manual
Mass Spectrometer : Enabled

No Sample Prep method has been assigned to this method.

GC
GC Summary
Run Time 10.003 min
Post Run Time 0 min

Oven
Temperature
Setpoint On
(Initial) 60 °C
Hold Time 0 min
Post Run 50 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 6.86 min

Equilibration Time 0.25 min
Max Temperature 350 °C
Minimum Temperature Override Disabled
Cooling Fan Disabled

ALS
Front 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 0
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 1 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.5 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	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 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	Sample overlap is not enabled
Mode	
ALS Errors	Pause for user interaction
Front SS Inlet He	
Helium Conservation Controlled	Off
Mode	Split
Heater	On 250 °C
Pressure	On 6.5 psi
Total Flow	On 45.625 mL/min
Septum Purge Flow	On 3 mL/min
Pre-Run Flow Test	Off
Gas Saver	On 20 mL/min after 3 min
Split Ratio	50 :1
Split Flow	41.789 mL/min
Liner	A Liner has not been selected.
Back SS Inlet He	
Helium Conservation Controlled	Off
Mode	Split
Heater	On 250 °C
Pressure	On 8.5 psi
Total Flow	On 171.05 mL/min
Septum Purge Flow	On 3 mL/min
Pre-Run Flow Test	Off
Gas Saver	Off
Split Ratio	50 :1
Split Flow	164.76 mL/min
Liner	A Liner has not been selected.
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	0.83578 mL/min
Post Run	1 mL/min

Column Information	Agilent 19091S-602
Description	HP-1MS
Temperature Range	-60 °C-325 °C (350 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm (Calibrated)
Heater	Oven
Column lock	Unlocked
	Front SS Inlet He
	MSD
(Initial)	60 °C
Pressure	6.5 psi
Flow	0.83578 mL/min
Average Velocity	51.868 cm/sec
Holdup Time	0.40166 min
Control Mode	Constant Flow

Column #2	
Pressure	On
Setpoint	8.5 psi
(Initial)	2.8778 psi
Post Run	

Column Information	Agilent 19091S-913
Temperature Range	-60 °C-325 °C (350 °C)
Dimensions	15 m x 320 µm x 0.25 µm (Calibrated)
Heater	Oven
Column lock	Unlocked
In	Back SS Inlet He
Out	Back Detector FID
(Initial)	60 °C
Pressure	8.5 psi
Flow	3.2952 mL/min
Average Velocity	58.392 cm/sec
Holdup Time	0.42814 min
Control Mode	Constant Pressure

Column Outlet Pressure	0 psi
------------------------	-------

Back Detector FID	
Makeup	He
Heater	On 300 °C
H2 Flow	Off
Air Flow	Off
Makeup Flow	Off
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	Off
Blank Evaluation Setpoints	
Perform Blank Evaluation Test	Off

Helium Conservation	
Helium Valve	Off
Nitrogen Valve	Off

Detector Evaluation	
Perform Detector Evaluation Test	Off

MSD Transfer Line	
Temperature	
Setpoint	On
(Initial)	280 °C

Signals	
Signal #1:	
Description	None

Signal #2:	
Description	None
Signal #3:	
Description	None
Signal #4:	
Description	None
Signal #5:	
Description	None
Signal #6:	
Description	None
Signal #7:	
Description	None
Signal #8:	
Description	None

TUNE PARAMETERS for SN: US2246MS10

Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
29.720	:	REPELLER	
90.331	:	IONFOCUS	
20.181	:	ENTRANCE_LENS	
883.721	:	EMVOLTS	
		913.2	: Actual EMV
		1.00	: GAIN FACTOR
3335.000	:	AMUGAIN	
132.750	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
13.233	:	ENTLENSOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
421.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

DATA ANALYSIS PARAMETERS

Method Name: D:\MassHunter\GCMS\1\methods\MSDRUGS60NIT.M

Percent Report Settings

Sort By: Signal

Output Destination

Screen: No
Printer: Yes
File: No

Integration Events: AutoIntegrate

Generate Report During Run Method: No

Signal Correlation Window: 0.020

Qualitative Report Settings

Peak Location of Unknown: Apex

Library to Search Minimum Quality
Q:\Instrument Libraries\Current\TBI_DRUG.L 0
Q:\Instrument Libraries\Current\SWGDRUG 3.12.L 0
Q:\Instrument Libraries\Current\CaymanSpectralLibrary.L

Integration Events: AutoIntegrate

Report Type: Summary

Output Destination

Screen: No
Printer: Yes
File: No

Generate Report During Run Method: No

Quantitative Report Settings

Report Type: Summary

Output Destination

Screen: Yes

Printer: No

File: No

Generate Report During Run Method: No

Calibration Last Updated:

Reference Window: 10.00 Percent

Non-Reference Window: 5.00 Percent

Correlation Window: 0.02 minutes

Default Multiplier: 1.00

Default Sample Concentration: 0.00

Compound Information

*** Empty Quantitation Database ***

END OF DATA ANALYSIS PARAMETERS

Tue Apr 04 10:52:53 2023