

TBI-FORENSIC SERVICES DIVISION PERFORMANCE VERIFICATION FORM

Instrument/Method to Verify:

Agilent 8890 / 5977 B GC/MS Alma

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 Jennifer K. Bachman Title SAFS II Initials JKB

Completed: *Jennifer K. Bachman*

Name Glen Jay Glenn Title SAFS II Initials GJG

Completed: *Glen Jay Glenn*

Name _____ Title _____ Initials _____

Completed: _____

Verification of final review:

Unit Supervisor: *Rebecca Hernandez*

Section Manager: *Melana Everett*

Unit Supervisor: *Brett Trotter*

Section Manager: _____

Unit Supervisor: _____

Section Manager: _____

Regional Administrator: *[Signature]*
Jennifer K. Bachman Jan 11, 2023 12:08 CST

Regional Administrator: _____

Regional Administrator: _____

Quality Assurance Manager: *[Signature]*
Chad Johnson Jan 11, 2023 15:33 CST

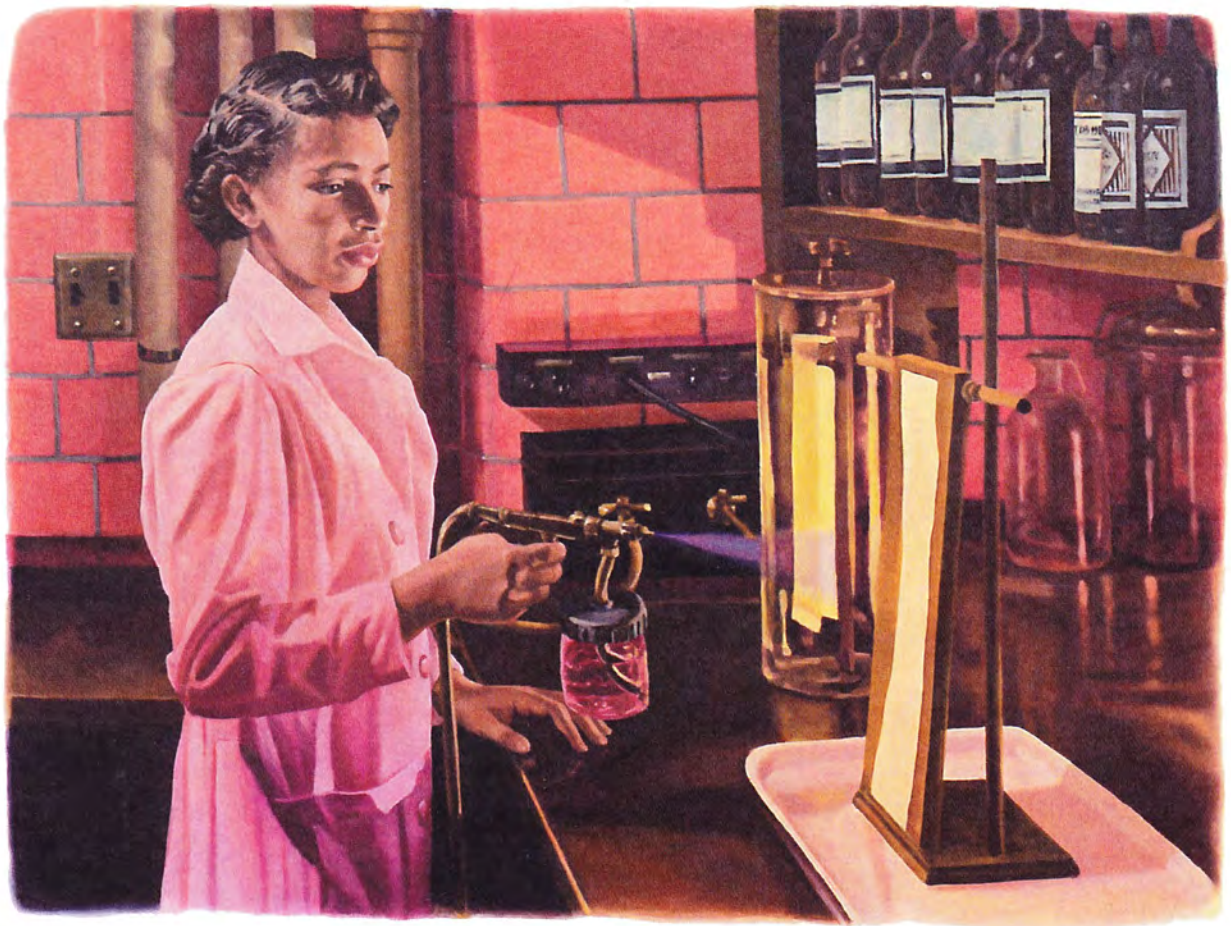
By signing below, I have verified this study meets all requirements and I deem this procedure/instrument fit for the intended use:

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.

Validation of Alma

by: Jen Bachman



Alma Levant Hayden

by Megha Satyanarayana



Credit: NIH History Office/Wikimedia Commons

Alma Levant Hayden

In 1963, two doctors named Stevan Durovic and Andrew C. Ivy were treating cancer patients with krebiozen, a compound they called a cure for the disease.

Except that it wasn't, and Alma Levant Hayden, then a scientist at the National Institute of Arthritis and Metabolic Diseases, [showed the world why](#). After federal researchers coaxed the tiniest samples from the doctor and his partner, Hayden analyzed krebiozen. The results were stunning. This compound being touted as a cancer cure was nothing more than creatine, a molecule readily available in our diets.

Hayden was among the first [federal scientists of color](#), working at what would become the National Institutes of Health and then the Food and Drug Administration. She specialized in [using spectrometry to detect steroids](#). At a career [forum for young women](#) in 1962, Hayden told the mostly high school attendees, "Always try to do the very best and to be the very best in whatever group you are working with." She died in 1967.

<https://cen.acs.org/people/profiles/Six-black-chemists-should-know/97/web/2019/02>

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ABSTRACT

Agilent 8890 GC System – Serial # US2233A040

Agilent 5977B GC/MSD – Serial # US2227M017

Alma

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 5977B 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 5977B GC/MSD to be utilized for the analysis of controlled substances in the Forensic Chemistry Unit.

VALIDATION OVERVIEW

Agilent 8890 GC System – Serial # US2233A040

Agilent 5977B GC/MSD – Serial # US2227M017

Alma

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 5977B 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 5977B GC/MSD, Alma, 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 # US2233A040

Agilent 5977B GC/MSD – Serial # US2227M017

Alma

GAS CHROMATOGRAPH

Agilent 8890 GC System (G3540A)

Serial #US2233A040

MASS SPECTROMETER

Agilent 5977B GC/MSD (G7077B)

Serial #US2227M017

AUTOSAMPLER TRAY

Agilent G4514A

Serial #R022297009

AUTOSAMPLER TOWERS

GC: Agilent 4513A

Serial #R022335061

MS: Agilent 4513A

Serial #R022335008

COLUMNS

GC: Agilent J&W HP-1MS

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

MS: Agilent J&W HP-1MS

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

COMPUTER OPERATING SYSTEM

Device specifications:

Model name	HP Z2 SFF G5 Workstation
Device name	DESKTOP-FP27T7K
Processor	Intel® Core™ i510500 CPU @ 3.10 GHz
Installed RAM	16.0 GB (15.8 GB usable)
Device ID	1C2E8E0A-35DC-4DD7-9DA9-0F2F89CDEA82
Product ID	00335-62799-01072-AAOEM
System type	64-bit operating system, x64-based

Windows Specifications:

Edition	Windows 10 Pro
Version	21H2
Installed on	10/12/2022
OS build	19044.2251

Productivity tools:

Enhanced ChemStation

MSD ChemStation F.01.03.2357

Copyright 1989-2015 Agilent Technologies, Inc.

Agilent MassHunter Workstation

GC/MS Data Acquisition

Version 10.2.489

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PURPOSE OF VALIDATION

Agilent 8890 GC System – Serial # US2233A040

Agilent 5977B GC/MSD – Serial # US2227M017

Alma

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/5977B 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 # US2233A040

Agilent 5977B GC/MSD – Serial # US2227M017

Alma

The Agilent 8890 GC System and Agilent 5977B 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 8890/5977B. 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 # US2233A040

Agilent 5977B GC/MSD – Serial # US2227M017

Alma

Instrument Setup

The initial instrument setup and check-out procedure was performed by Agilent technical representative Ron Boruff (ron.boruff@agilent.com). 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.

Low Temperature Initial Set Points – The GC/IR Test Solution, THF4AM and Testosterone Acetate will be analyzed on all 60 and 100° C methods.

Higher Temperature Set Points – Buprenorphine, LSD, Testosterone Acetate and Testosterone Benzoate will be analyzed on all 200° C 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 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, THPFF4A, Testosterone Acetate and Testosterone Benzoate will be analyzed on both MS DRUGSTI and ASMS DRUGSTI methods. Testosterone Acetate and Testosterone Benzoate will be analyzed on both GC280ISOTI and ASGC280ISOTI methods.

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, acetyl fentanyl and fentanyl of THPFF4A.

ANALYTICAL STANDARD SPECIFICATIONS

Agilent 8890 GC System – Serial # US2233A040

Agilent 5977B GC/MSD – Serial # US2227M017

Alma

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# 214330 (bottle D)

Made: May 2, 2022 by BT

Expires: May 2, 2023

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 1 of 4) no exp

Made: April 9, 2022

Expires: April 9, 2023

THPFF4A

4-ANPP: Cayman Lot# 040831-6 Exp: 10/10/27

Fentanyl Citrate: USPC Lot# 1275F no exp

Heroin: Cayman Lot# 0559235-2

Acetyl Fentanyl: Cayman Lot# 0497037-47

Tramadol: Sigma Aldrich Lot# BC8B9210

P-Fluorofentanyl: Cayman Lot# 0541563-27

Methanol: Lot# 218157 Bottle #5

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

Expires: February 3, 2022

Re-verified: 2/3/22 GBE

Expires: February 3, 2023

Testosterone Benzoate

Sigma Lot# 49F0246

Methanol: Lot# 202169 Bottle 4 of 8

Made: February 9, 2021

Expires: February 9, 2022

Re-verified: 2/9/22 ILB

Expires: February 9, 2023

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 # US2233A040

Agilent 5977B GC/MSD – Serial # US2227M017

Alma

MASS SPEC – MANUAL INJECTION

MSDRUGS100 GC/MS CALIBRATION STANDARD MIX
GC/IR TEST SOLUTION
THPFF4A
TESTOSTERONE ACETATE

MSDRUGS200 GC/MS CALIBRATION STANDARD MIX
BUPRENORPHINE
LSD
TESTOSTERONE ACETATE
TESTOSTERONE BENZOATE

MSDRUGS60 GC/MS CALIBRATION STANDARD MIX
GC/IR TEST SOLUTION

MSDRUGSTI GC/MS CALIBRATION STANDARD MIX
GC/IR TEST SOLUTION
BUPRENORPHINE
LSD
THPFF4A
TESTOSTERONE ACETATE
TESTOSTERONE BENZOATE

MS280ISO GC/MS CALIBRATION STANDARD MIX
TESTOSTERONE ACETATE
TESTOSTERONE BENZOATE

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
THPFF4A
TESTOSTERONE ACETATE

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

ASMSDRUGS60 GC/MS CALIBRATION STANDARD MIX
GC/IR TEST SOLUTION

ASMSDRUGSTI GC/MS CALIBRATION STANDARD MIX
GC/IR TEST SOLUTION
BUPRENORPHINE
LSD
THPFF4A
TESTOSTERONE ACETATE
TESTOSTERONE BENZOATE

ASMS280ISO GC/MS CALIBRATION STANDARD MIX
TESTOSTERONE ACETATE
TESTOSTERONE BENZOATE

ASMS100TR	GC/MS CALIBRATION STANDARD MIX GC/IR TEST SOLUTION
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ASMS200TR	GC/MS CALIBRATION STANDARD MIX
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GC – MANUAL INJECTION

GC100	GC/MS CALIBRATION STANDARD MIX GC/IR TEST SOLUTION THPFF4A TESTOSTERONE ACETATE
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GC200	GC/MS CALIBRATION STANDARD MIX BUPRENORPHINE LSD TESTOSTERONE ACETATE TESTOSTERONE BENZOATE
-------	---

GC150ISO	GC/MS CALIBRATION STANDARD MIX GC/IR TEST SOLUTION
----------	---

GC280ISO	GC/MS CALIBRATION STANDARD MIX TESTOSTERONE ACETATE TESTOSTERONE BENZOATE
----------	---

GC280ISOTI	GC/MS CALIBRATION STANDARD MIX TESTOSTERONE ACETATE TESTOSTERONE BENZOATE
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GC – AUTO SAMPLE INJECTION

ASGC100 GC/MS CALIBRATION STANDARD MIX
GC/IR TEST SOLUTION
THPFF4A
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

D:\MassHunter\GCMS\1\methods\MSDRUGS100.M
Tue Nov 29 11:35:58 2022

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 70 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 6.43 min

Equilibration Time 0.25 min
Max Temperature 325 °C
Minimum Temperature Override Disabled
Blow 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 4 µL
Solvent B Washes (PreInj) 0
Solvent B Washes (PostInj) 0
Solvent B Volume 4 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 3000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 3000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.5 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	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	0.2 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 300 °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	0.57353 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
	100 °C
	8.5 psi
	0.82733 mL/min
	52.55 cm/sec
	0.39644 min
	Constant Flow

Column #2	
Pressure	
Setpoint	On
(Initial)	8.5 psi
Post Run	10 psi

Column Information	Agilent 19091S-913
Description	HP-1ms
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: US2227M017

Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
34.899	:	REPELLER	
90.331	:	IONFOCUS	
27.717	:	ENTRANCE_LENS	
1057.682	:	EMVOLTS	
			1094.9 : Actual EMV
			1.00 : GAIN FACTOR
3306.000	:	AMUGAIN	
141.563	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
9.621	:	ENTLENSOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
507.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT 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
------	---------------	-----------

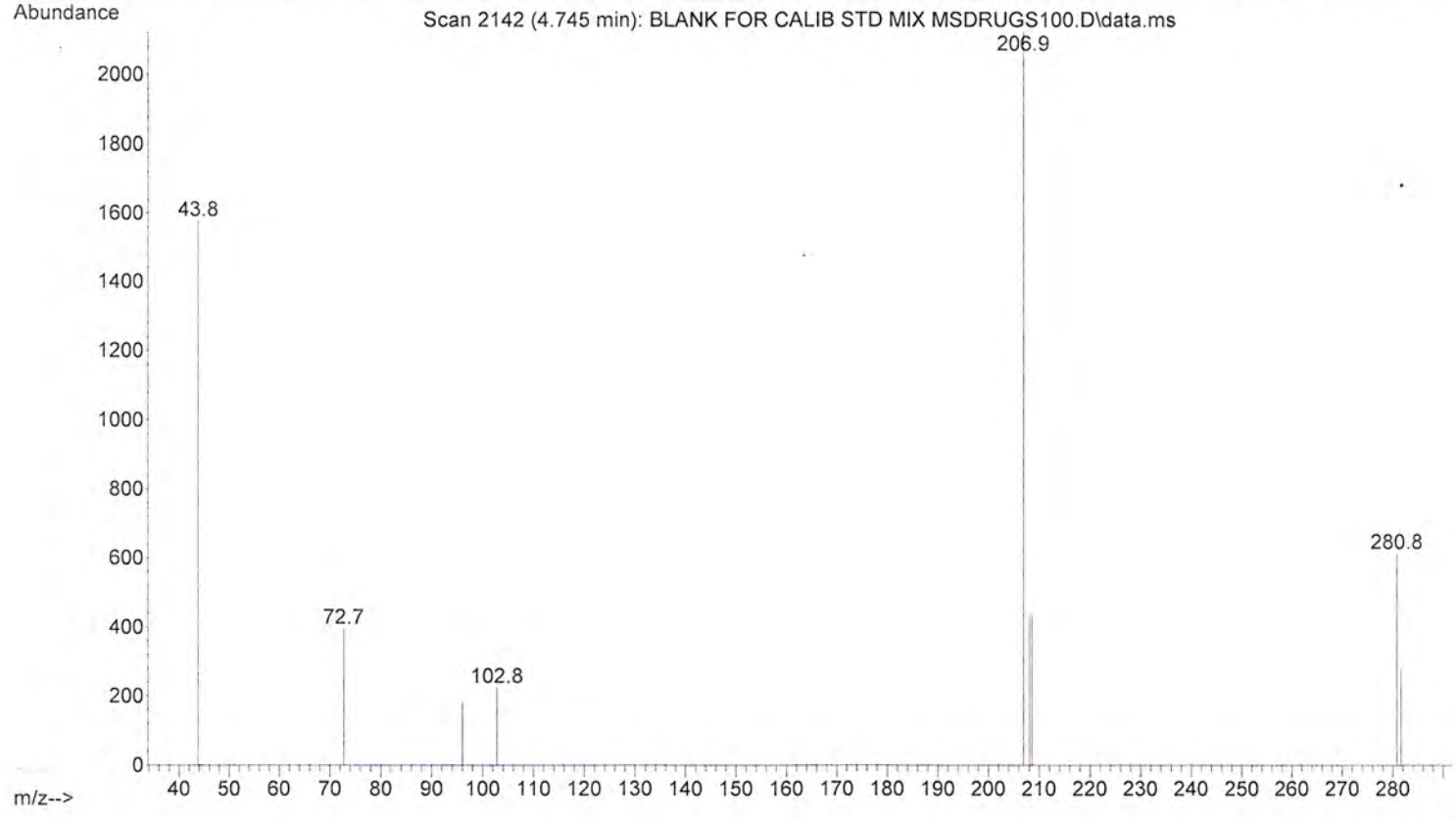
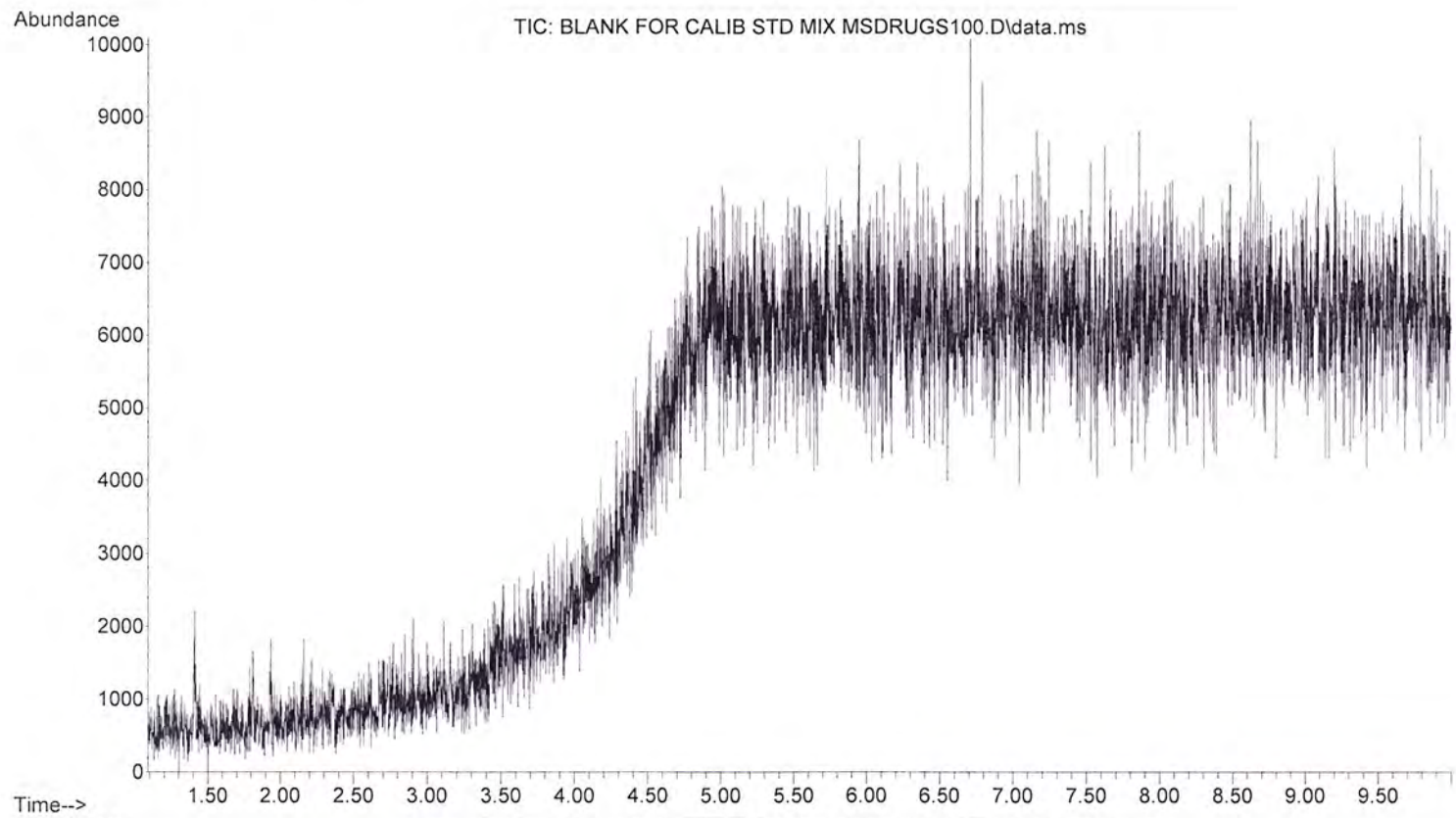
Real-Time Plots

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	50	550

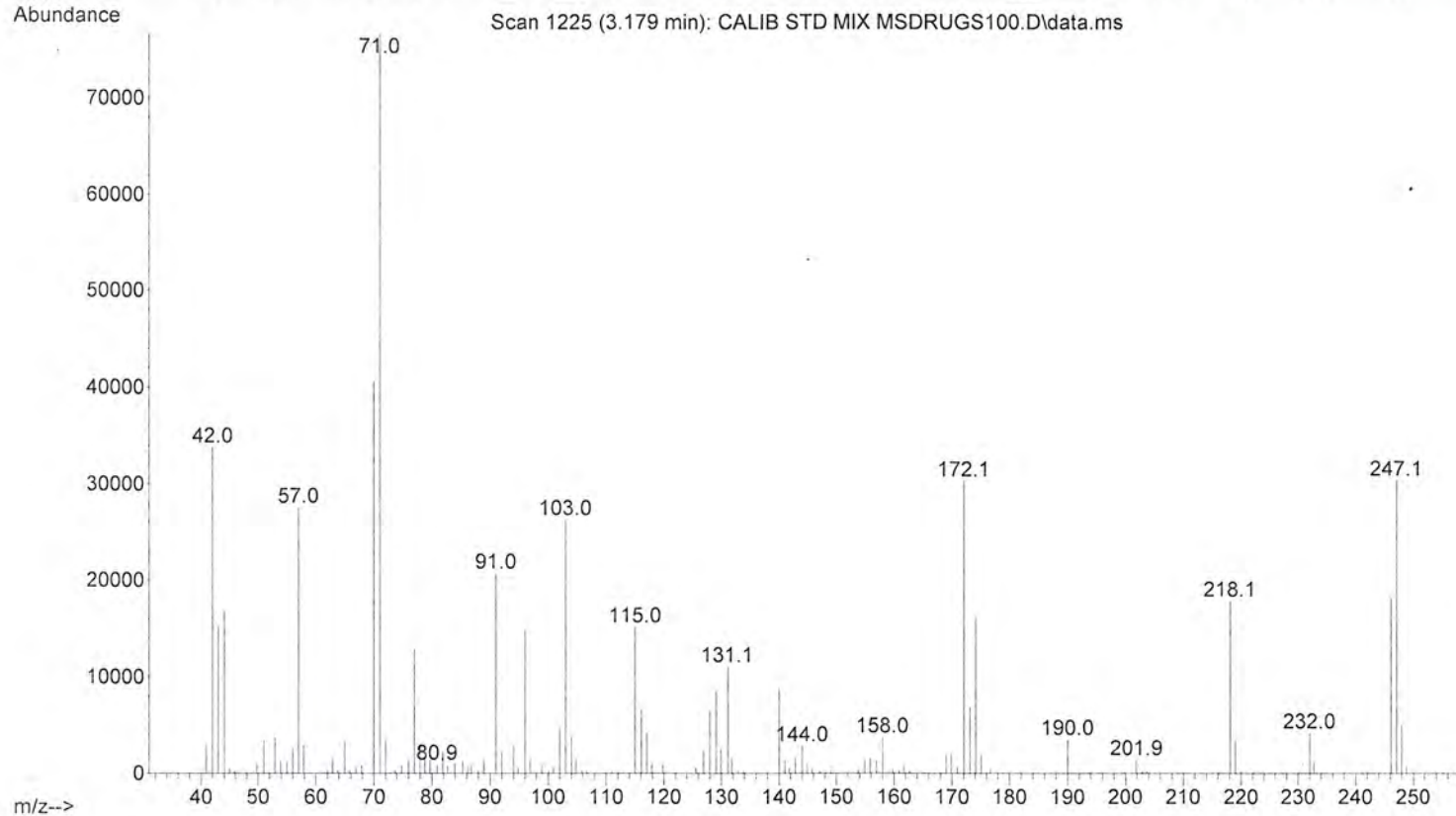
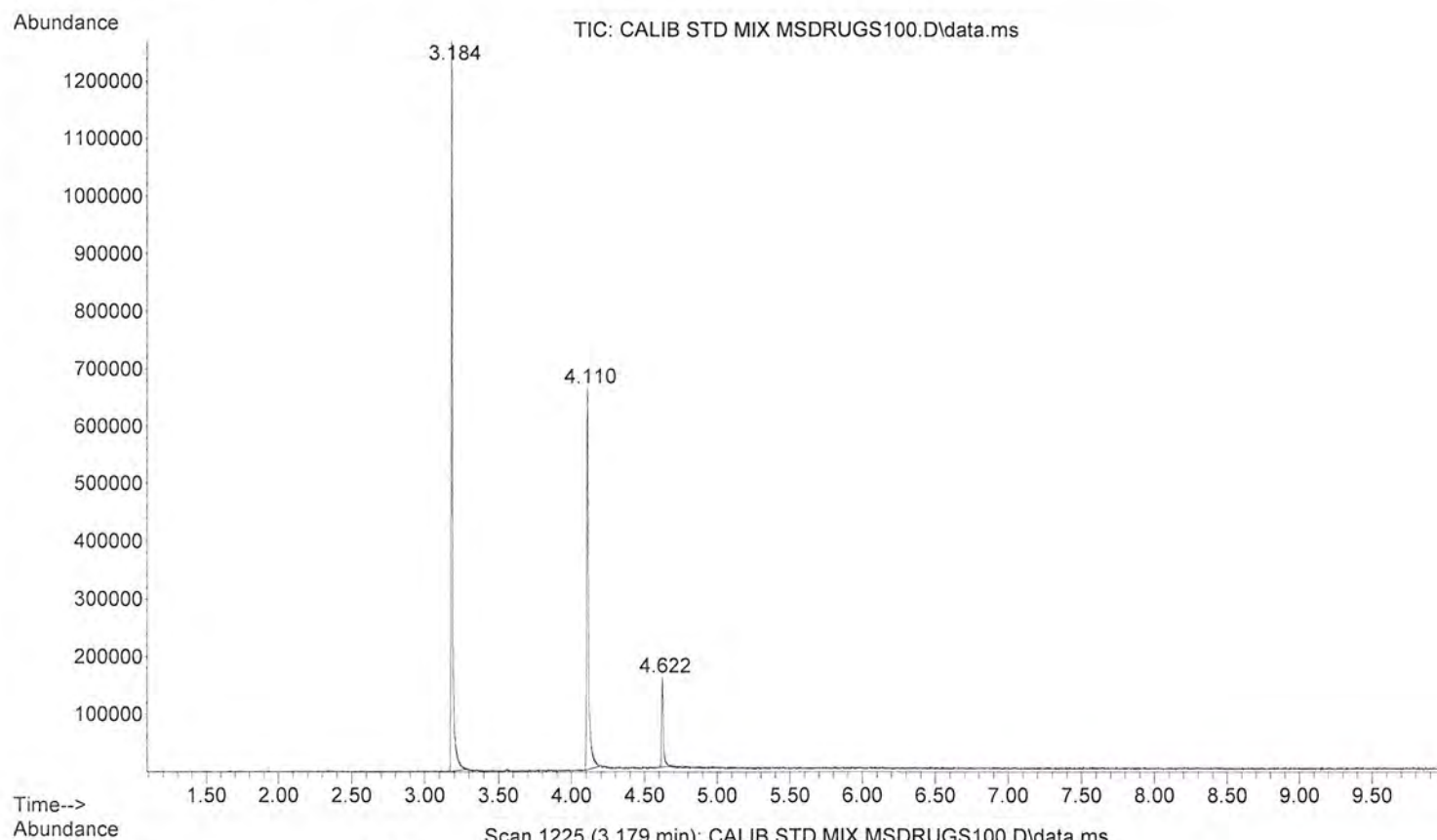
Self-Cleaning Ion Source Parameters

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

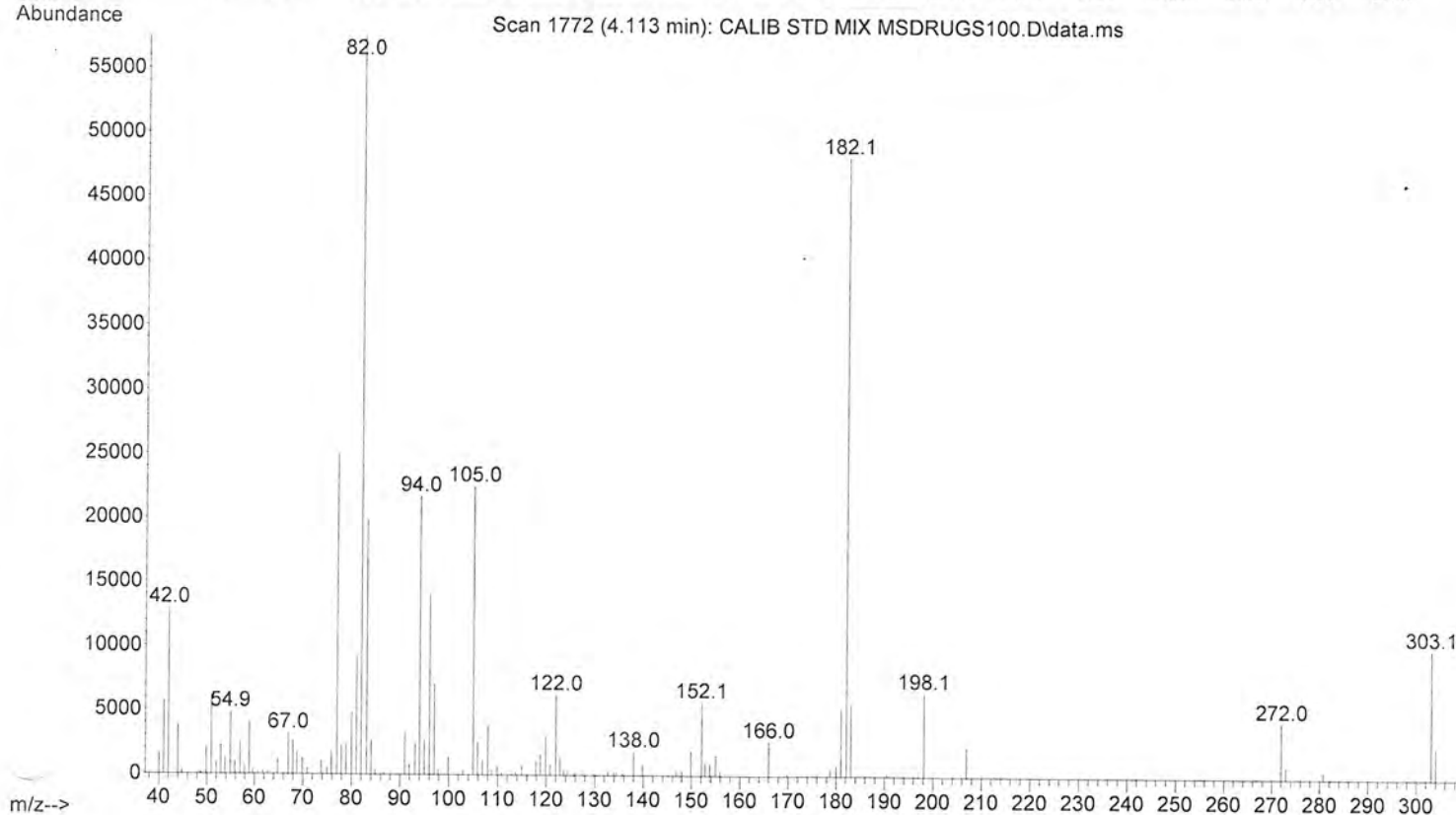
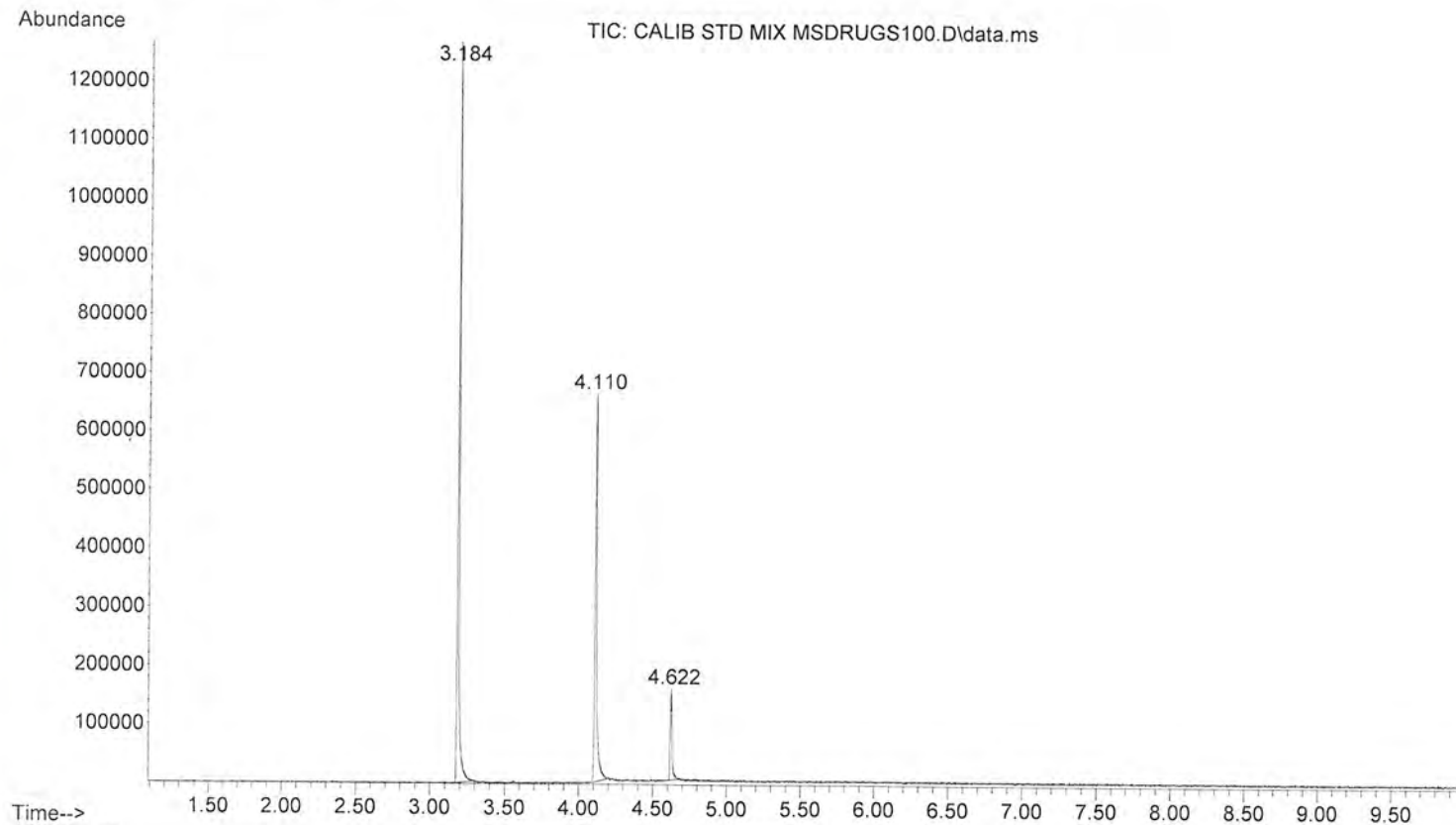
File :D:\MassHunter\GCMS\1\data\Standards --\MSDRUGS100\BLANK FOR
... CALIB STD MIX MSDRUGS100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 09 Nov 2022 11:42 using AcqMethod MSDRUGS100.M
Sample Name: BLANK FOR CALIB STD MIX MSDRUGS100
Misc Info : MeOH



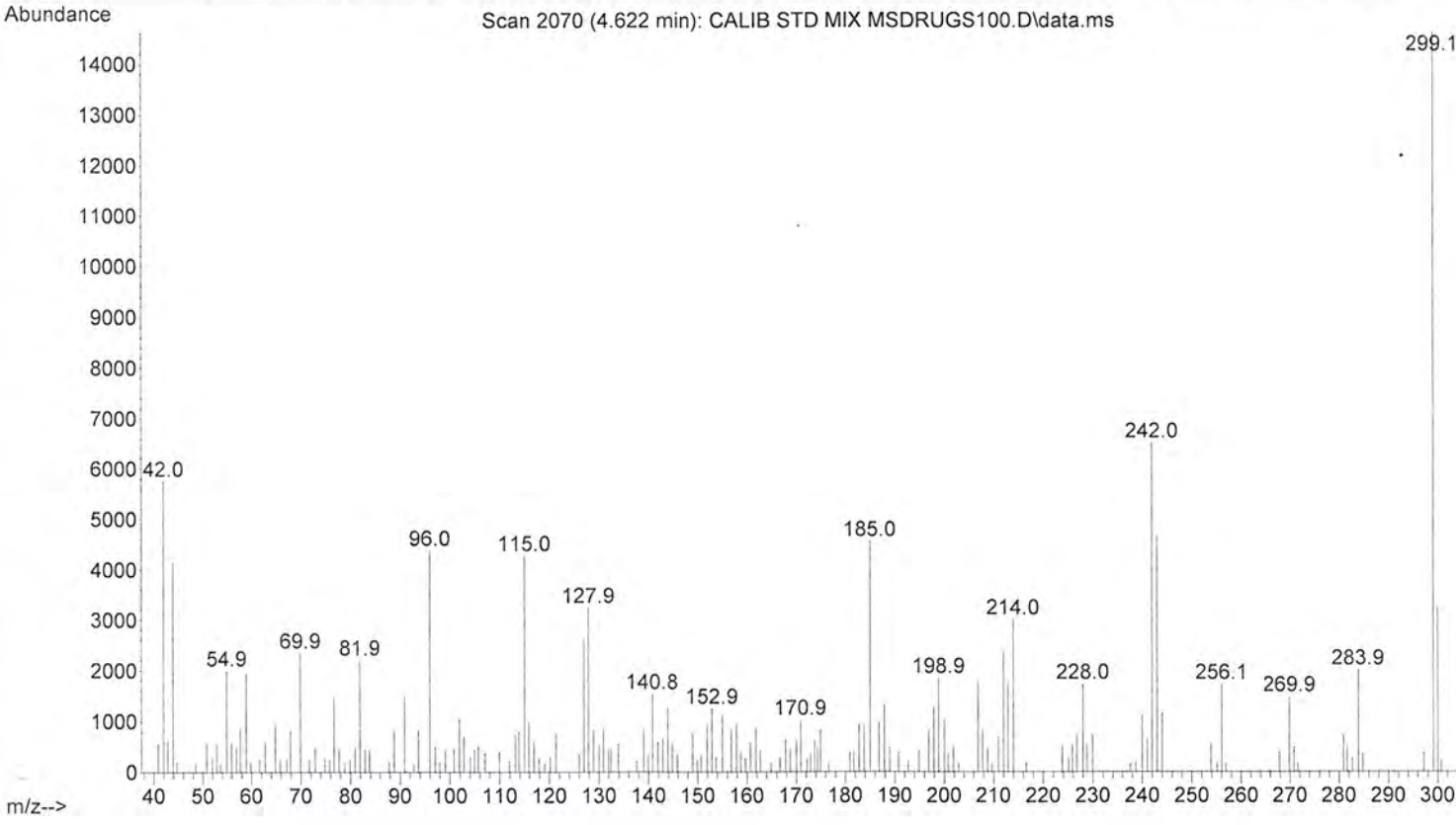
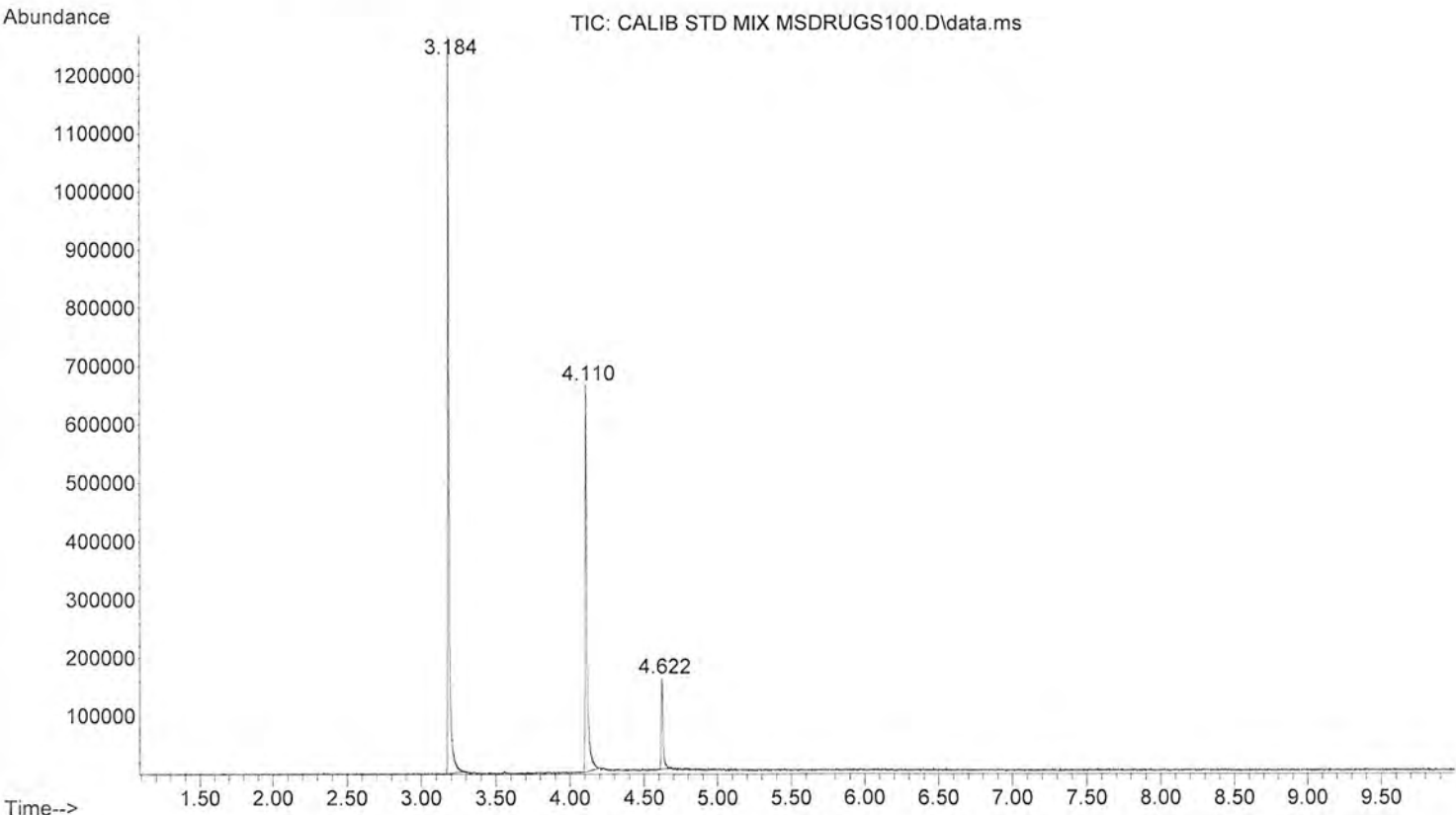
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... MIX MSDRUGS100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 09 Nov 2022 11:54 using AcqMethod MSDRUGS100.M
Sample Name: CALIB STD MIX MSDRUGS100
Misc Info : MeOH



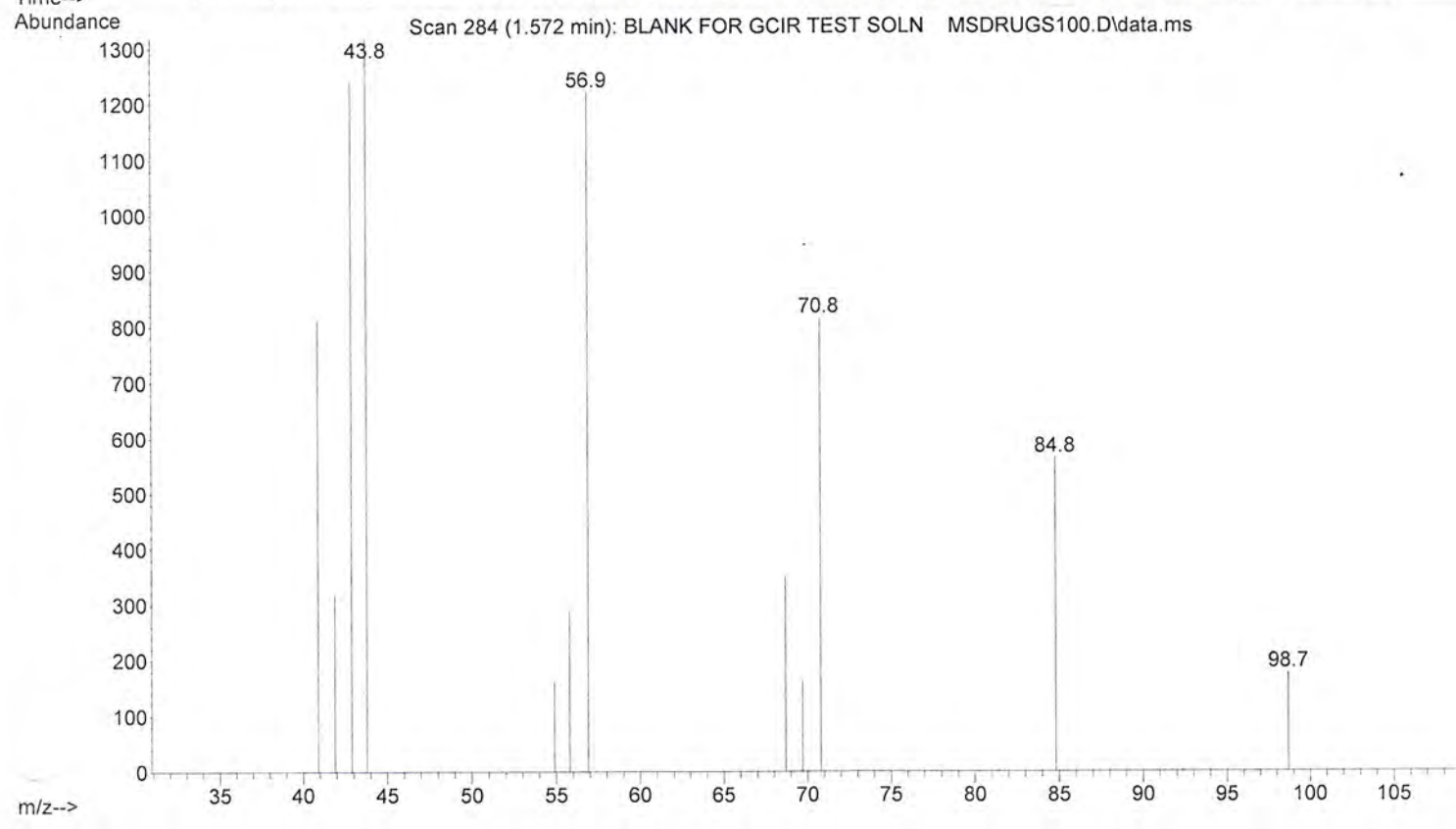
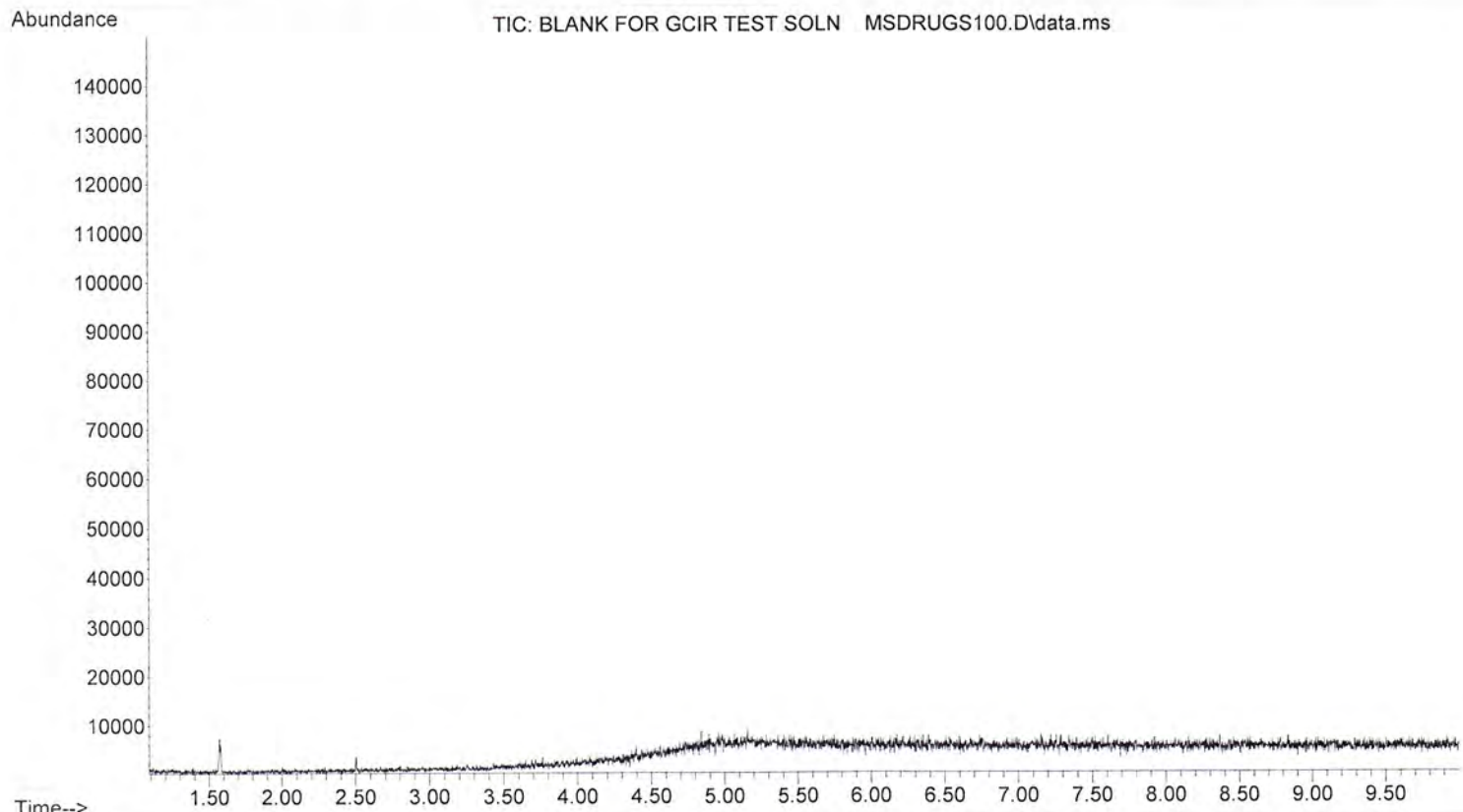
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... MIX MSDRUGS100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 09 Nov 2022 11:54 using AcqMethod MSDRUGS100.M
Sample Name: CALIB STD MIX MSDRUGS100
Misc Info : MeOH



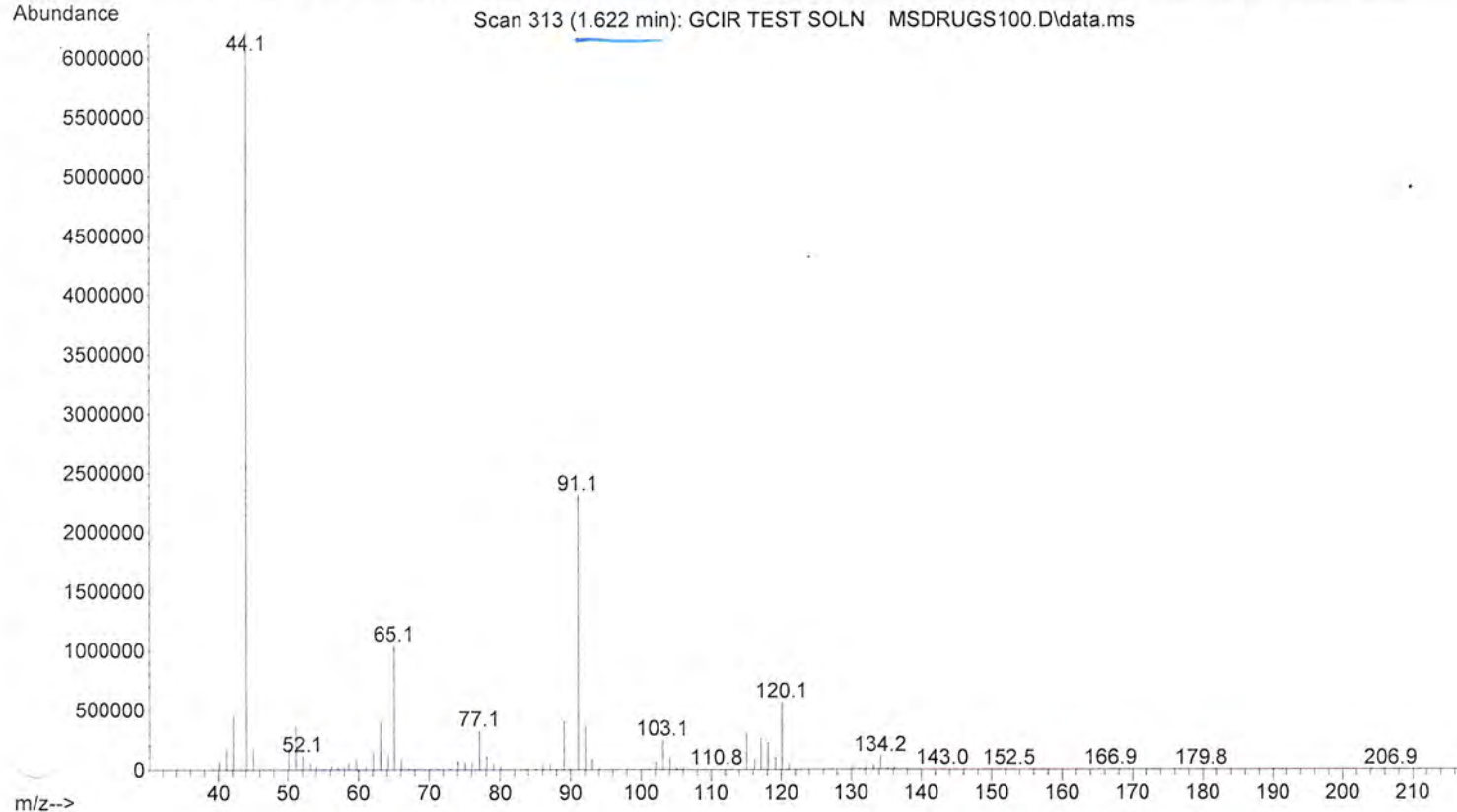
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... MIX MSDRUGS100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 09 Nov 2022 11:54 using AcqMethod MSDRUGS100.M
Sample Name: CALIB STD MIX MSDRUGS100
Misc Info : MeOH



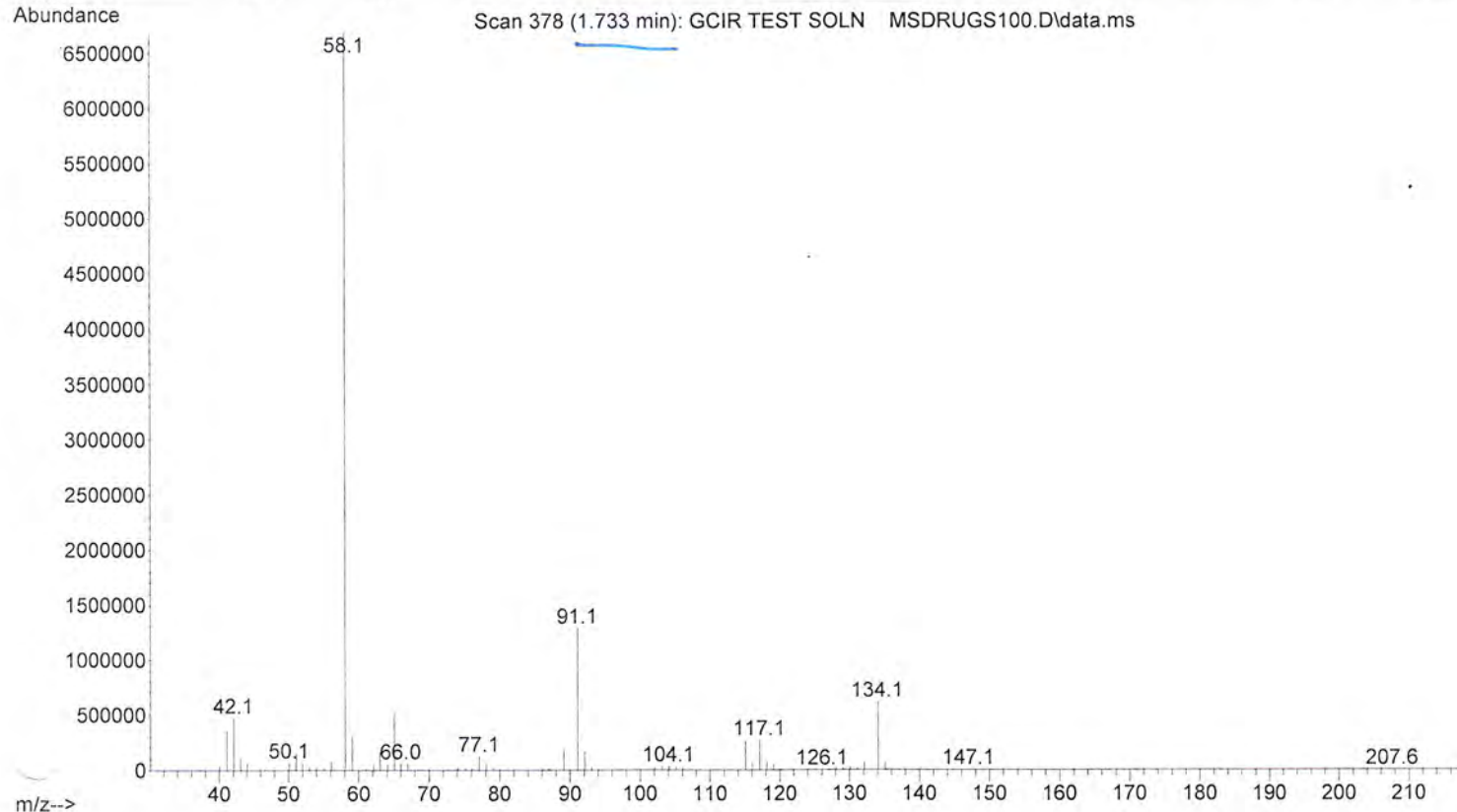
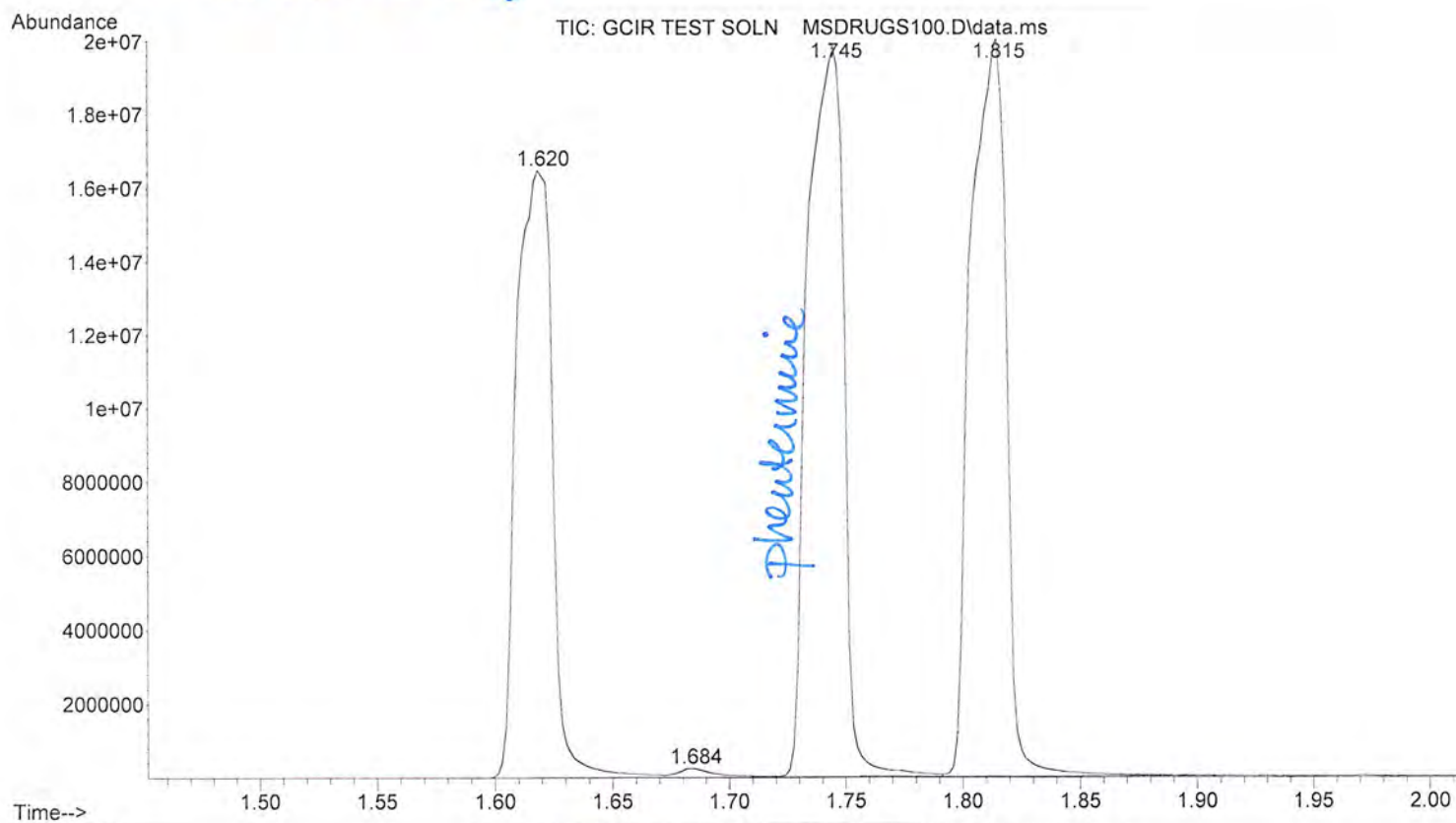
File :D:\MassHunter\GCMS\1\data\Standards --\MSDRUGS100\BLANK FOR
... GCIR TEST SOLN MSDRUGS100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 09 Nov 2022 13:43 using AcqMethod MSDRUGS100.M
Sample Name: BLANK FOR GCIR TEST SOLN MSDRUGS100
Misc Info : MeOH



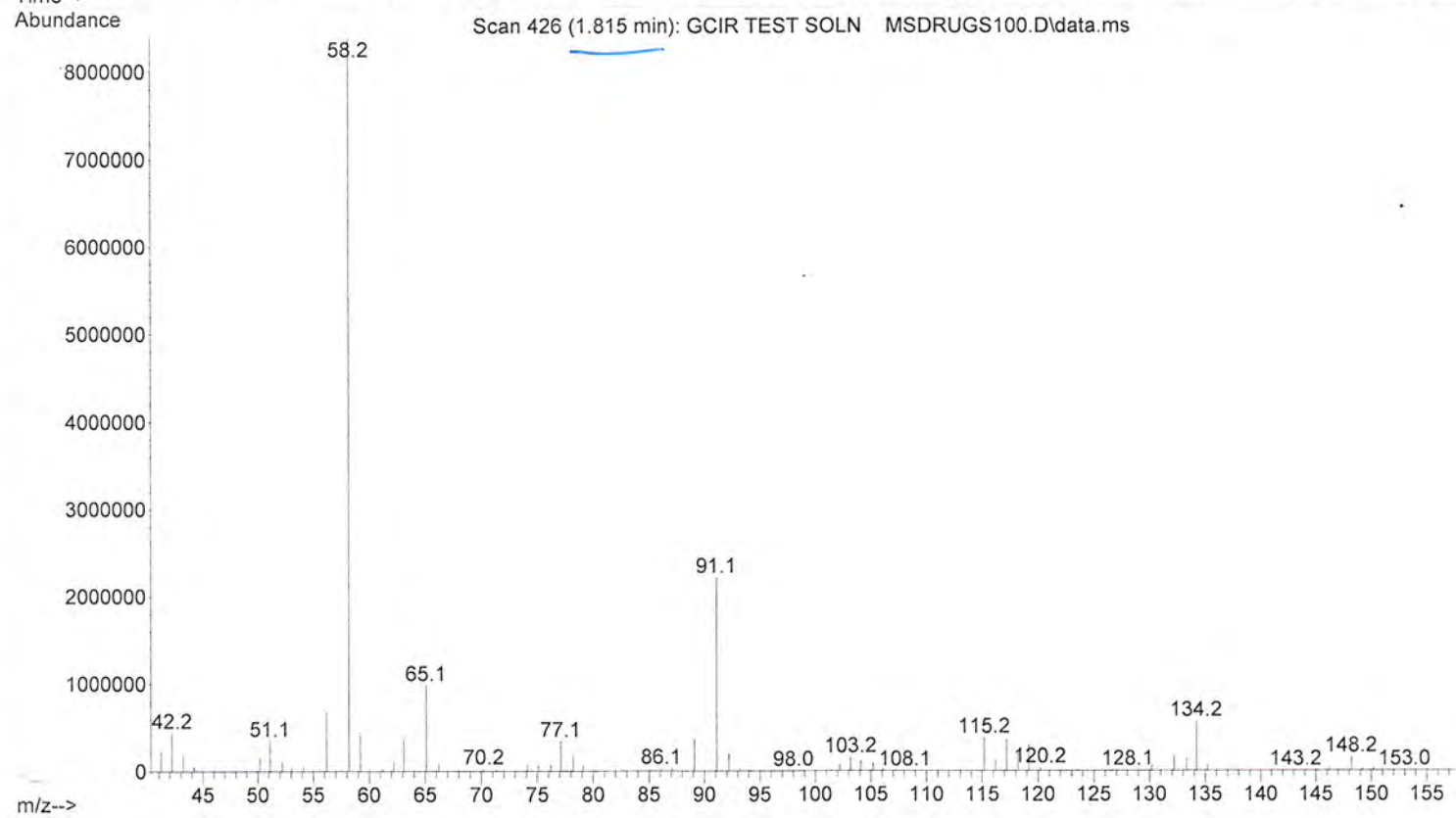
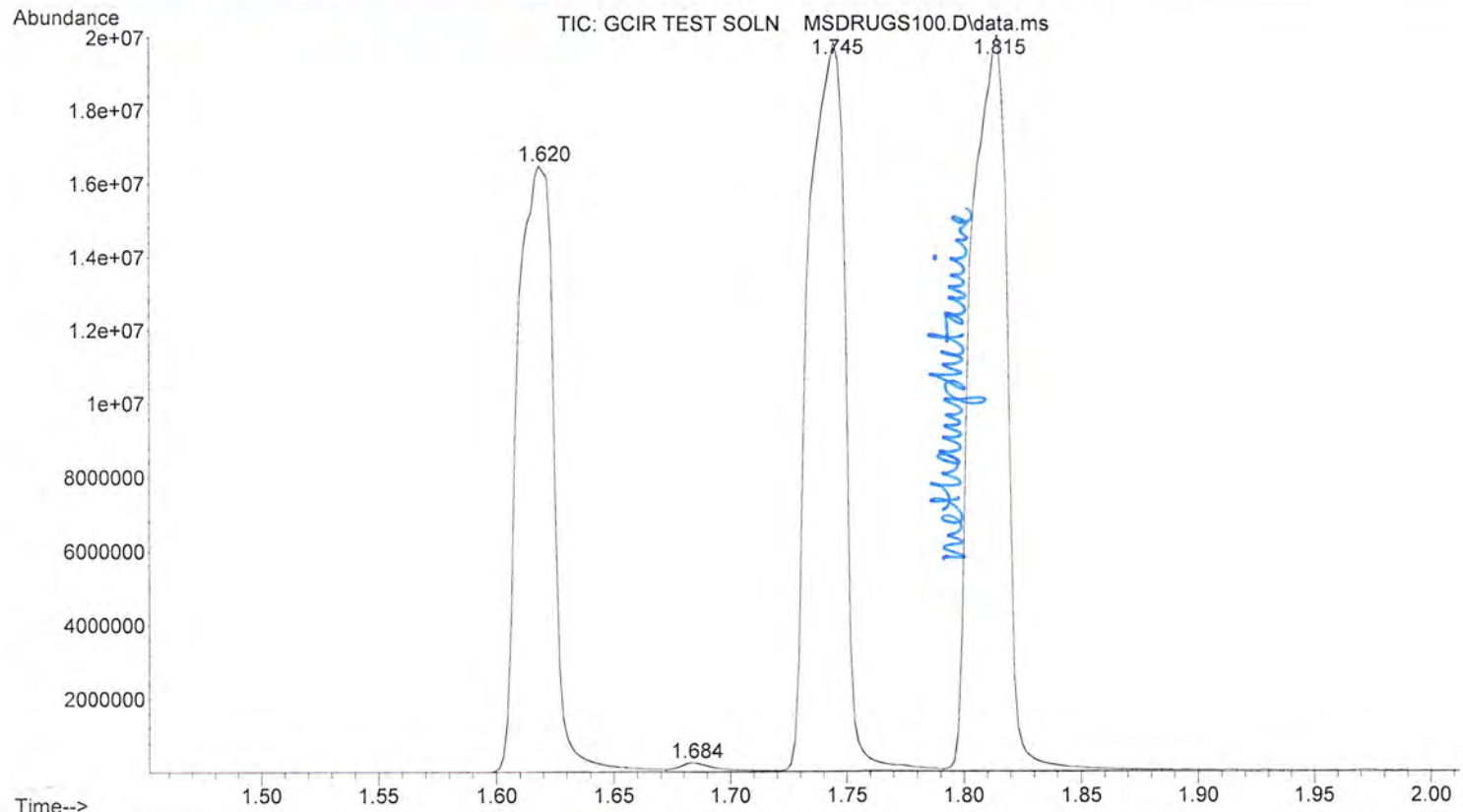
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... SOLN MSDRUGS100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 09 Nov 2022 13:55 using AcqMethod MSDRUGS100.M
Sample Name: GCIR TEST SOLN MSDRUGS100
Misc Info : MeOH 2:1 O.S.N NaOH → CH₂Cl₂ JKB



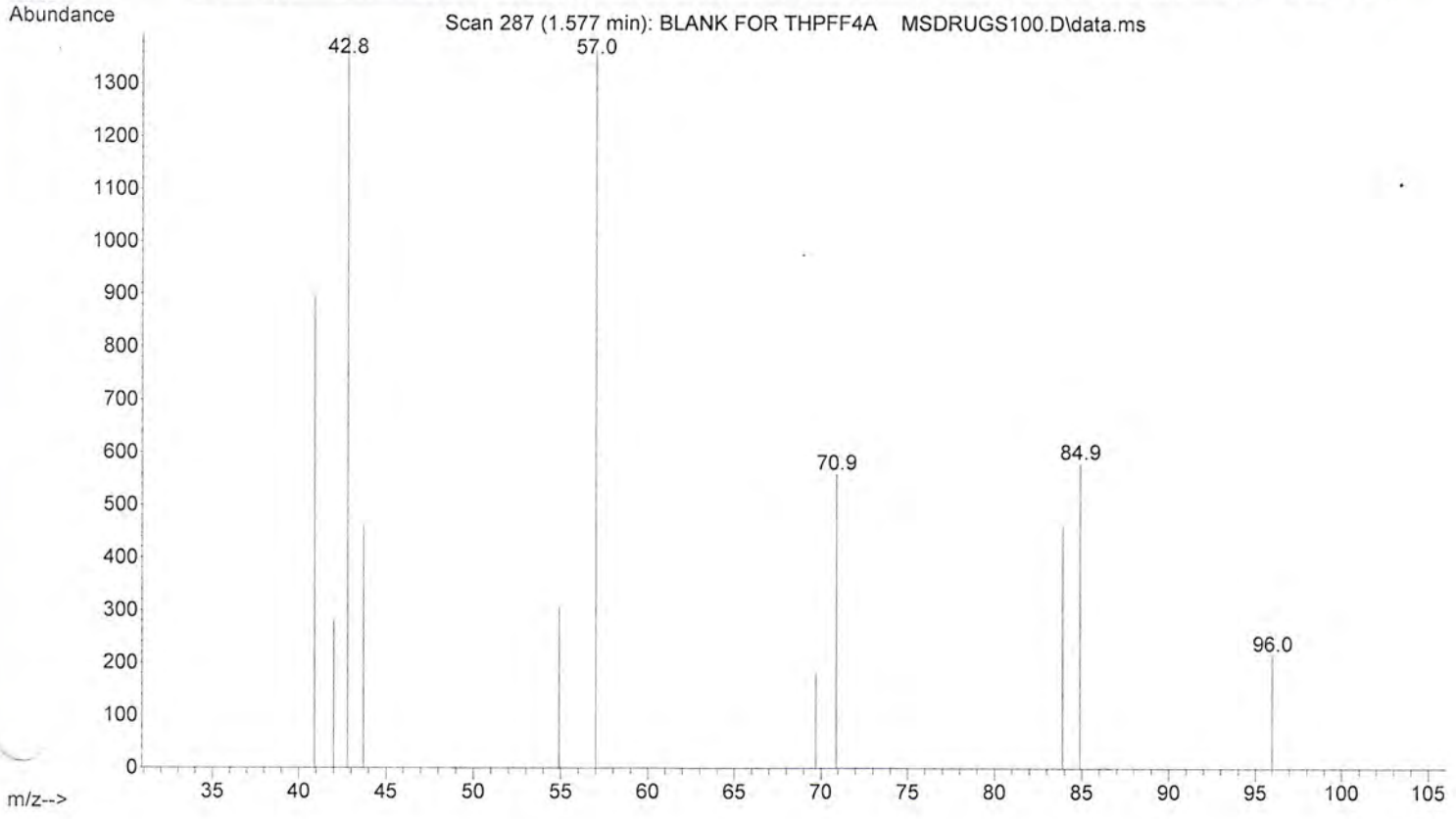
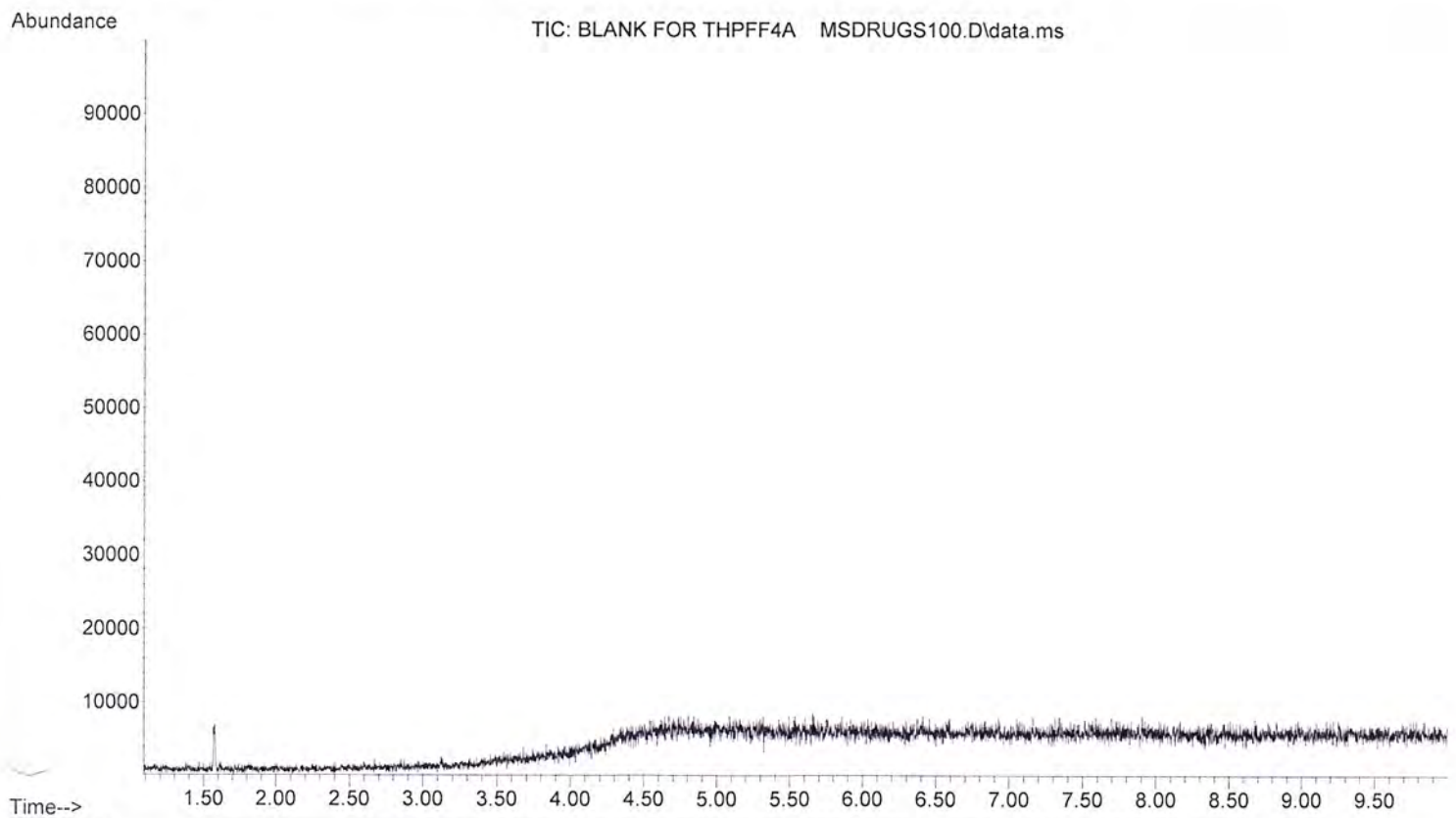
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... SOLN MSDRUGS100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 09 Nov 2022 13:55 using AcqMethod MSDRUGS100.M
Sample Name: GCIR TEST SOLN MSDRUGS100
Misc Info : ~~MeOH~~ 2:1 0.5N NaOH $\rightarrow$ CHCl₃



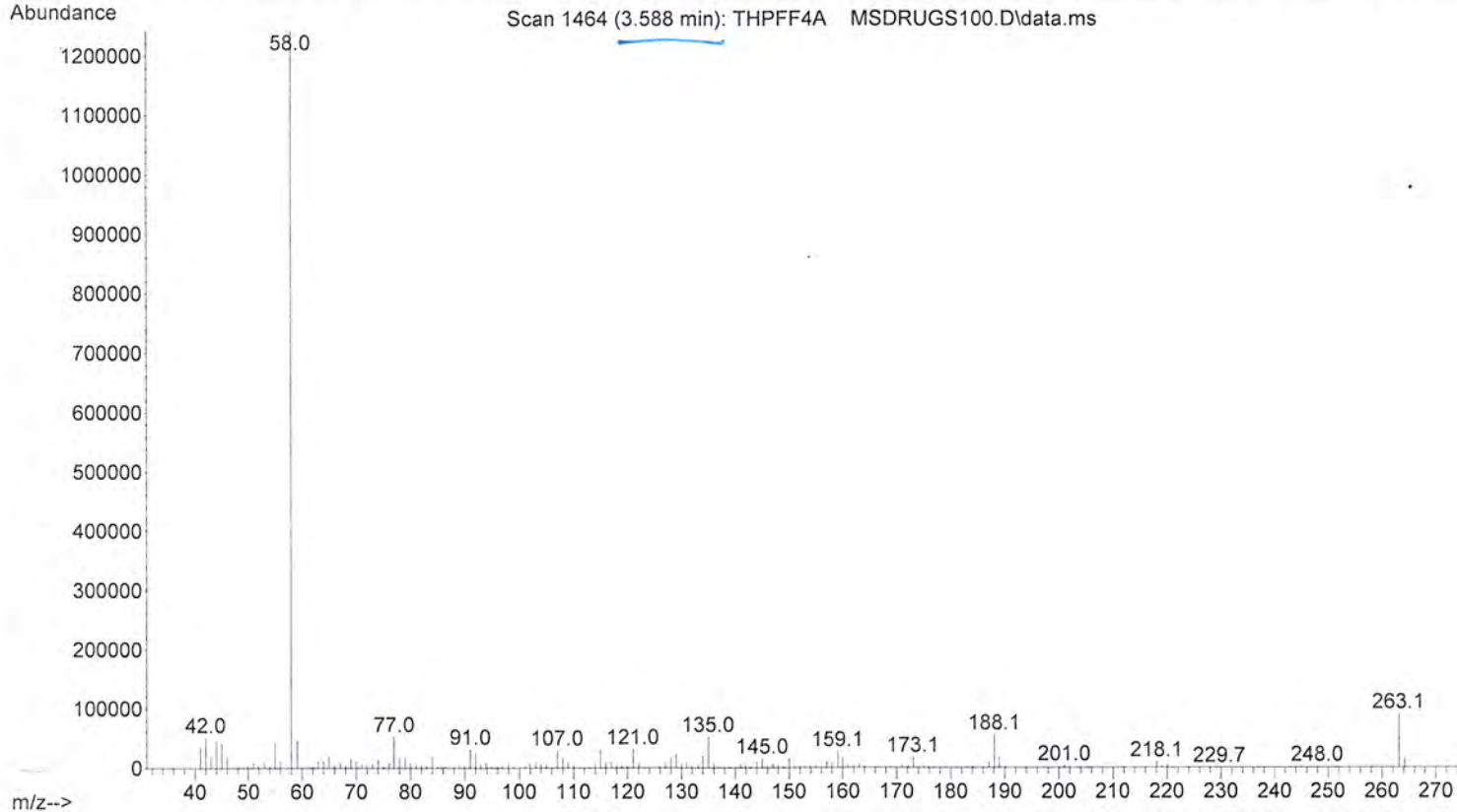
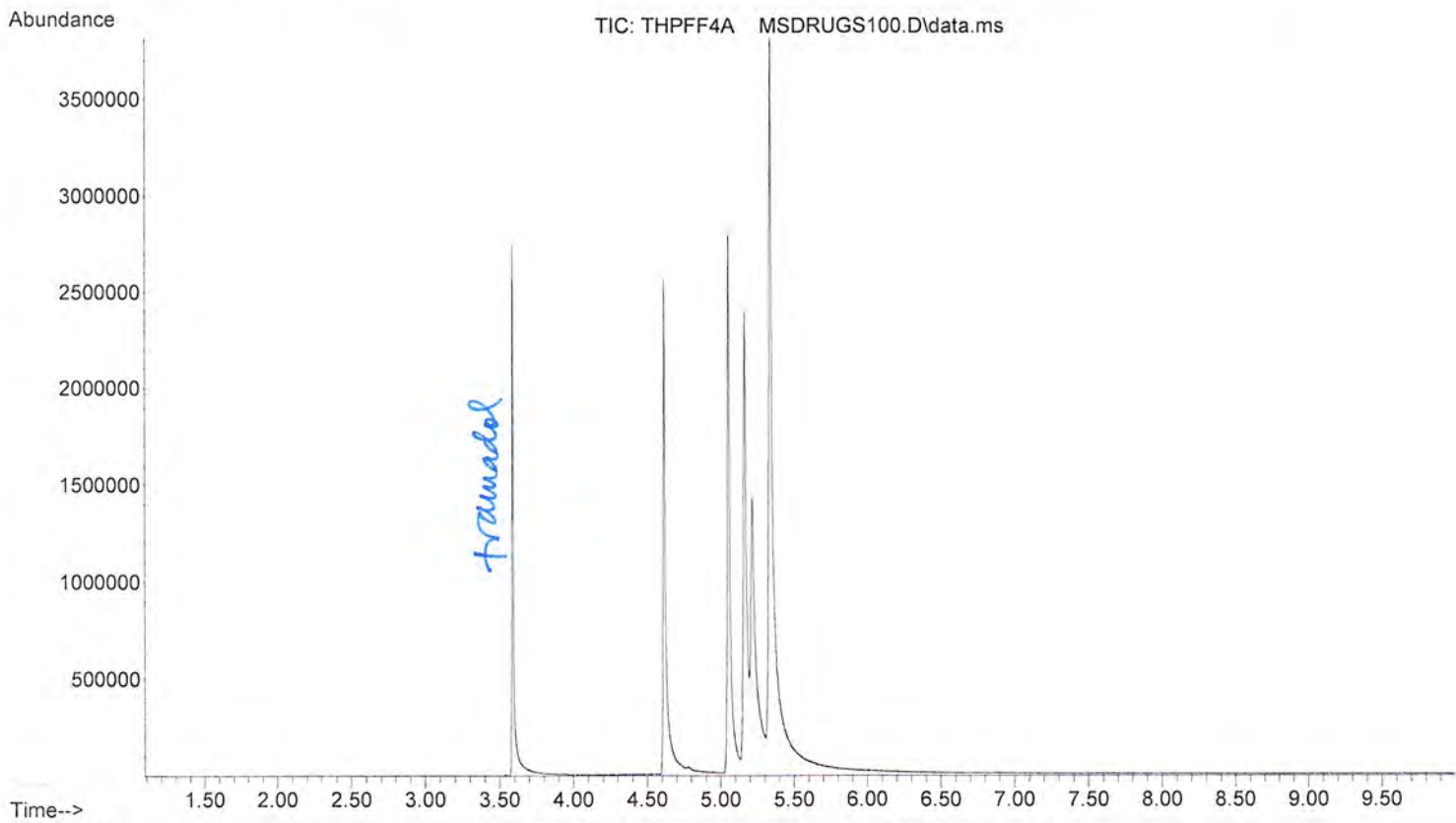
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... SOLN MSDRUGS100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 09 Nov 2022 13:55 using AcqMethod MSDRUGS100.M
Sample Name: GCIR TEST SOLN MSDRUGS100
Misc Info : ~~MeOH~~ 2:1 0.5N NaOH $\rightarrow$ CH₂Cl₂



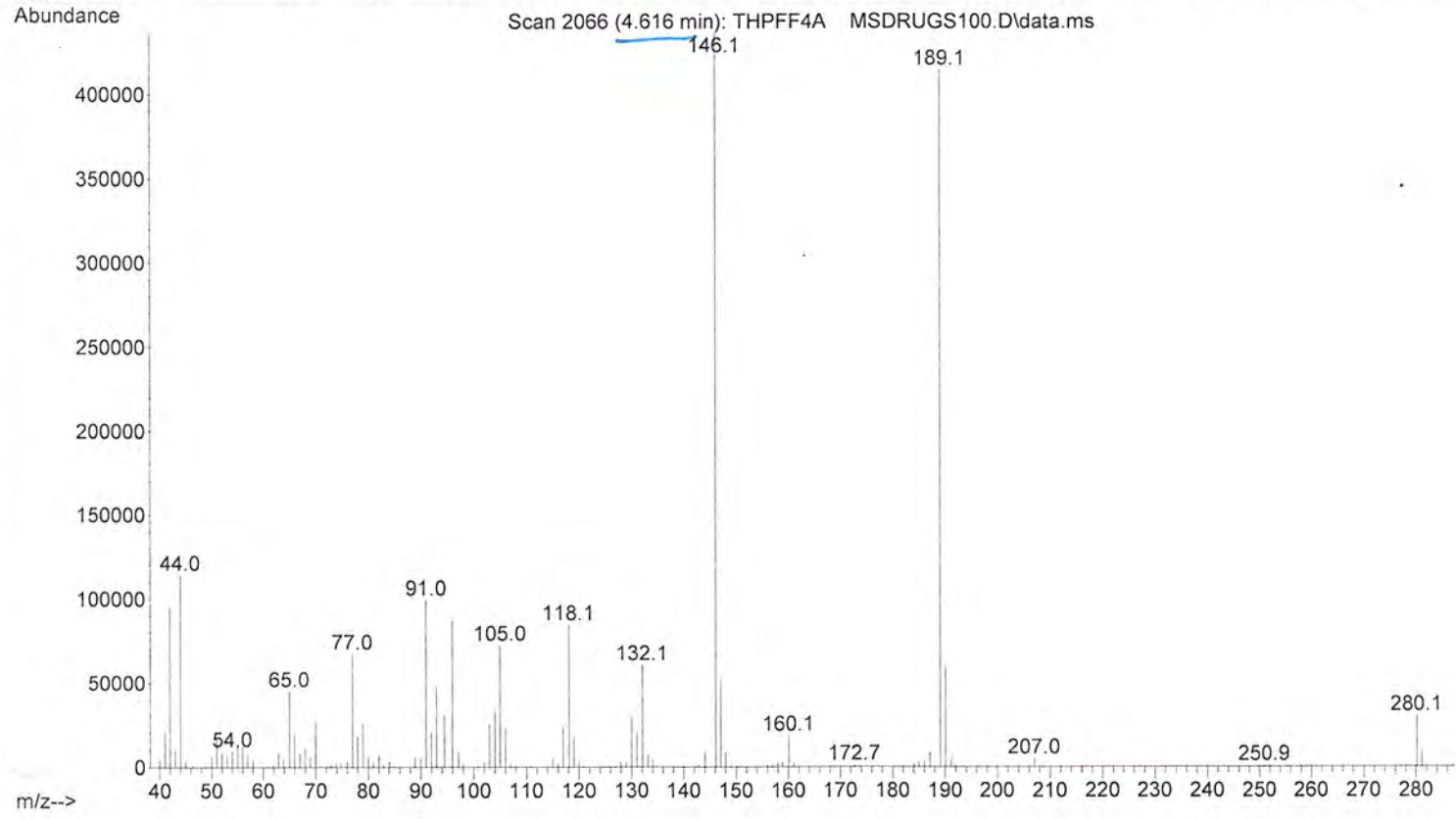
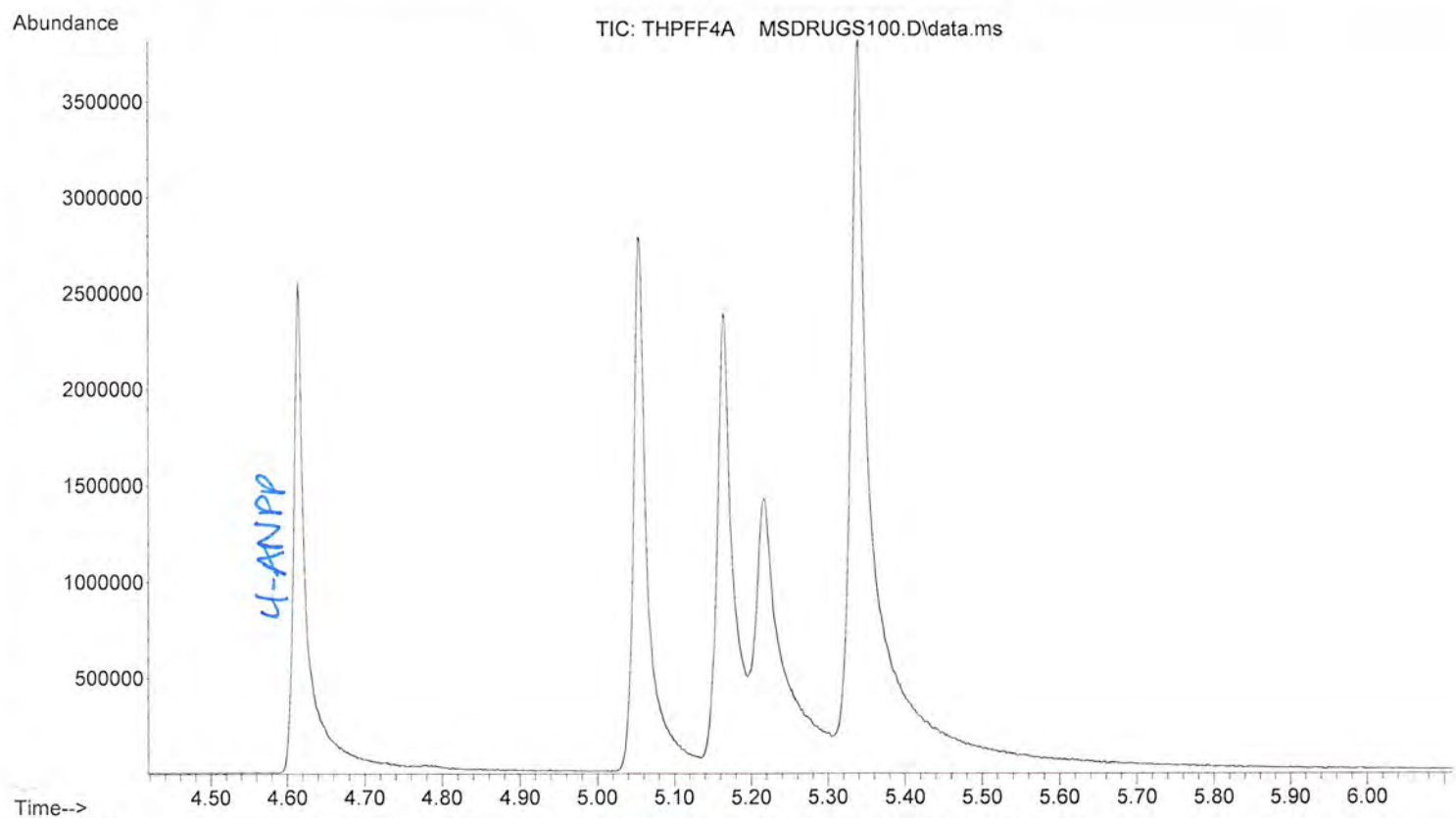
File :D:\MassHunter\GCMS\1\data\Standards --\MSDRUGS100\BLANK FOR
... THPFF4A MSDRUGS100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 09 Nov 2022 14:20 using AcqMethod MSDRUGS100.M
Sam Name: BLANK FOR THPFF4A MSDRUGS100
Misc Info : MeOH



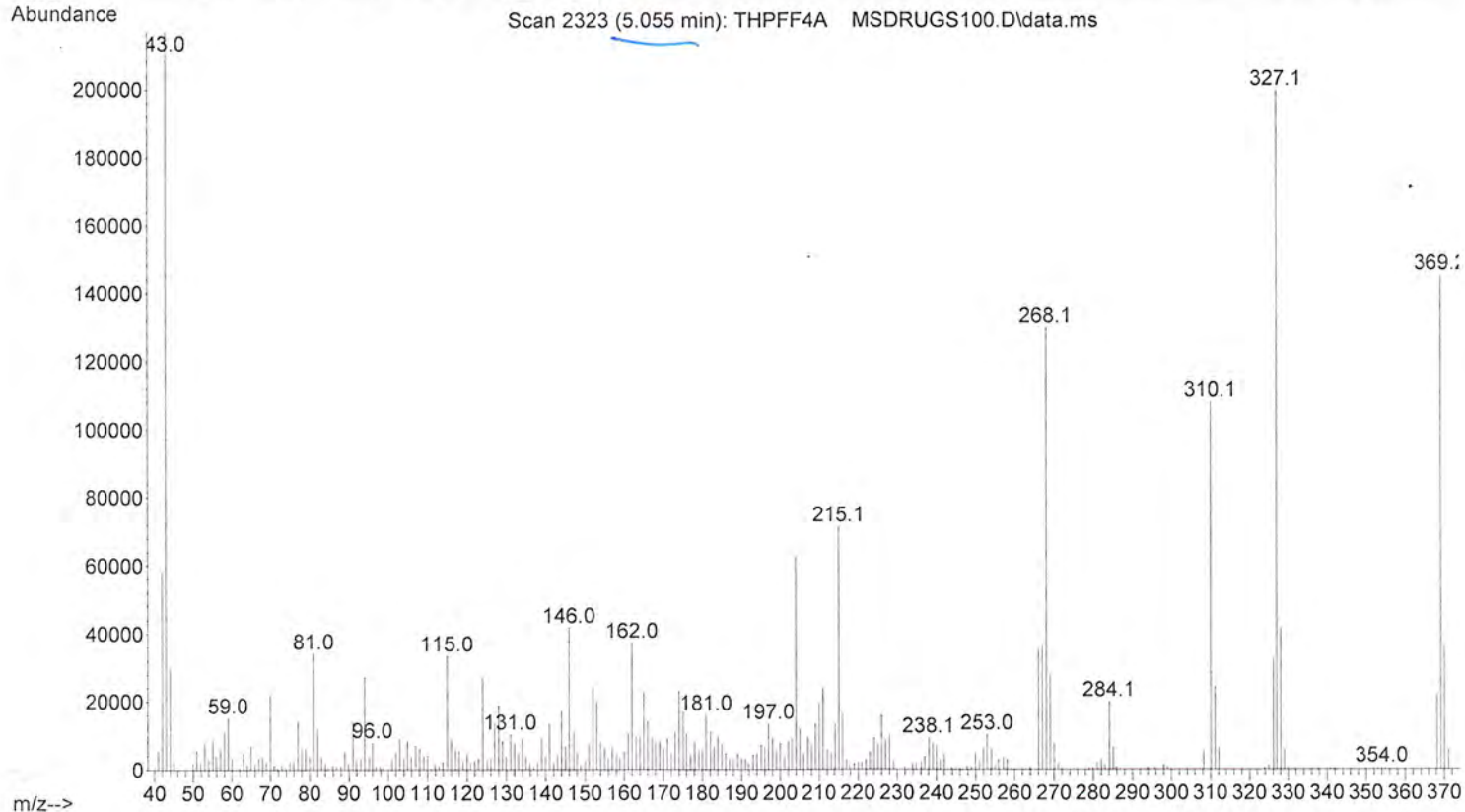
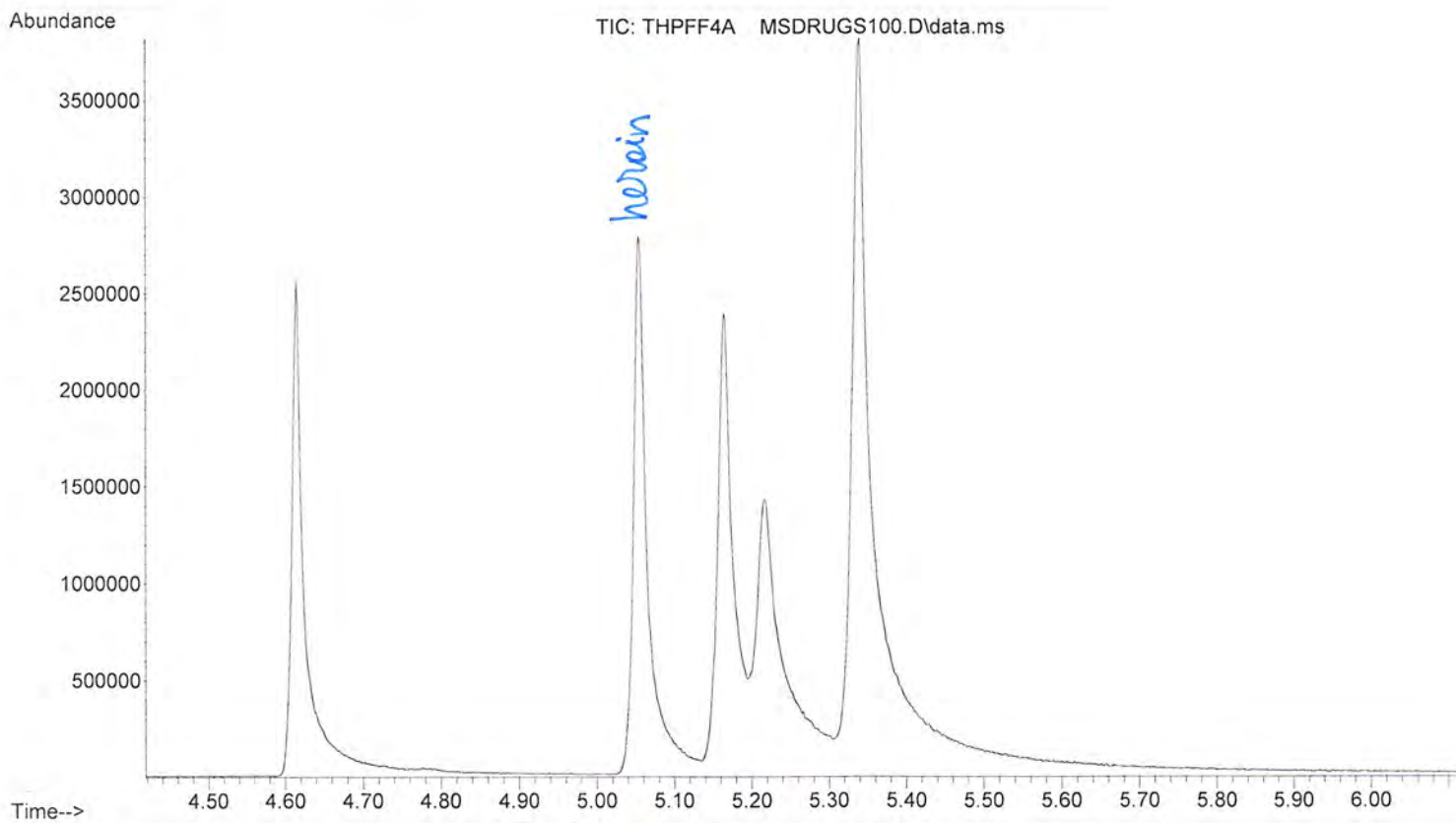
File :D:\MassHunter\GCMS\1\data\Standards --\MSDRUGS100\THPFF4A
... MSDRUGS100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 09 Nov 2022 14:32 using AcqMethod MSDRUGS100.M
Sam Name: THPFF4A MSDRUGS100
Mis Info : MEOH



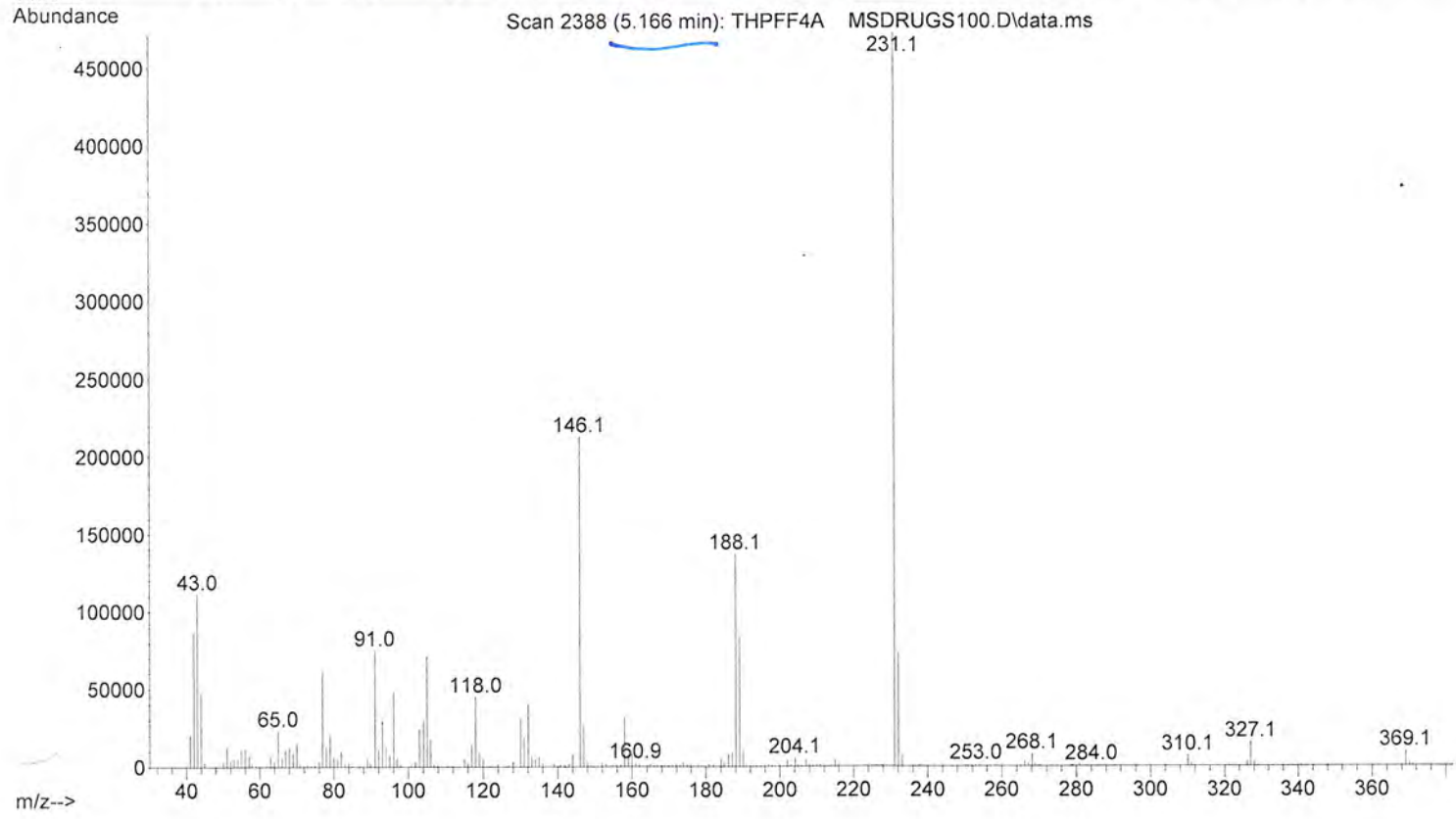
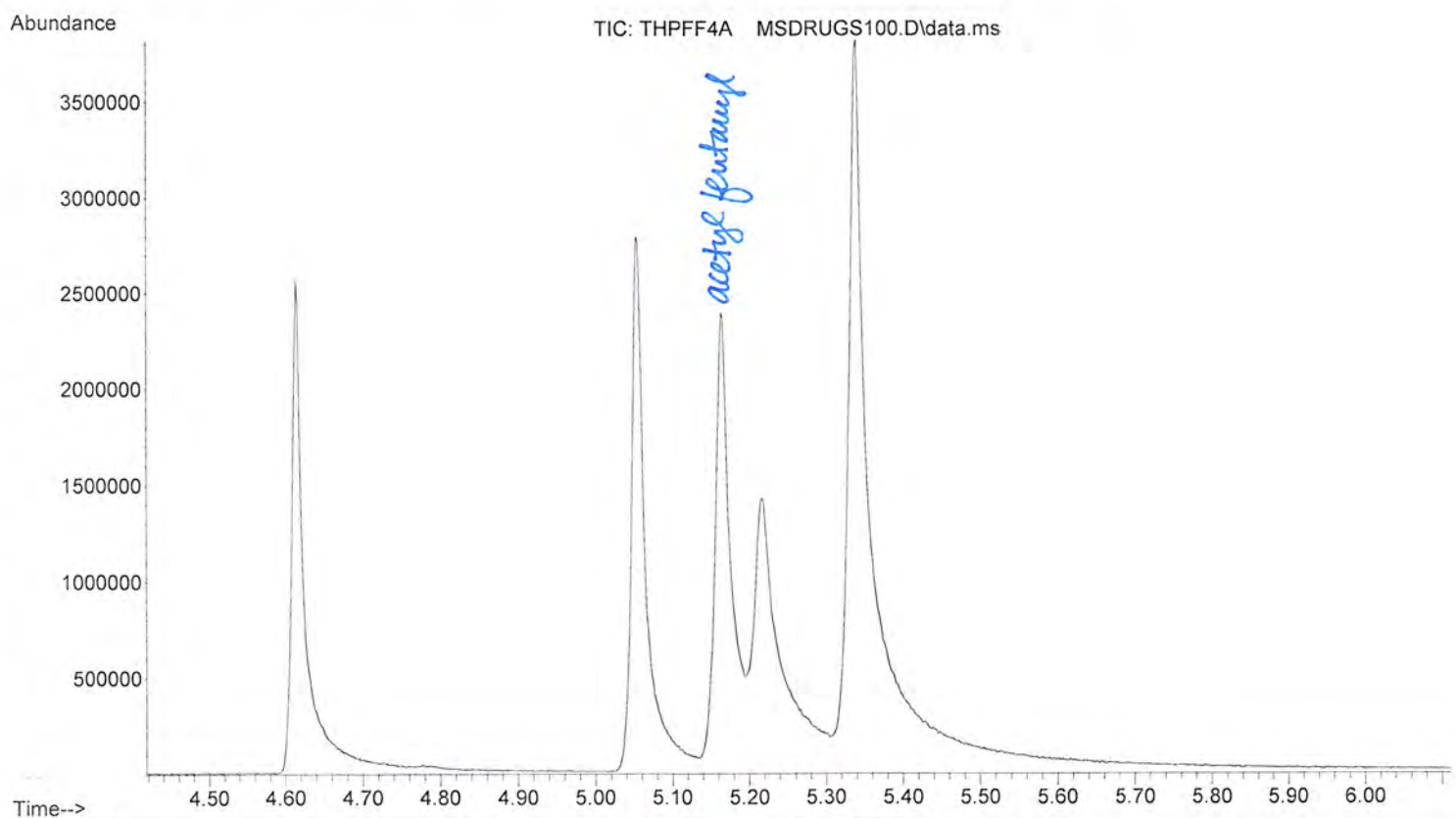
File :D:\MassHunter\GCMS\1\data\Standards --\MSDRUGS100\THPFF4A
... MSDRUGS100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 09 Nov 2022 14:32 using AcqMethod MSDRUGS100.M
Sample Name: THPFF4A MSDRUGS100
Misc Info : MEOH



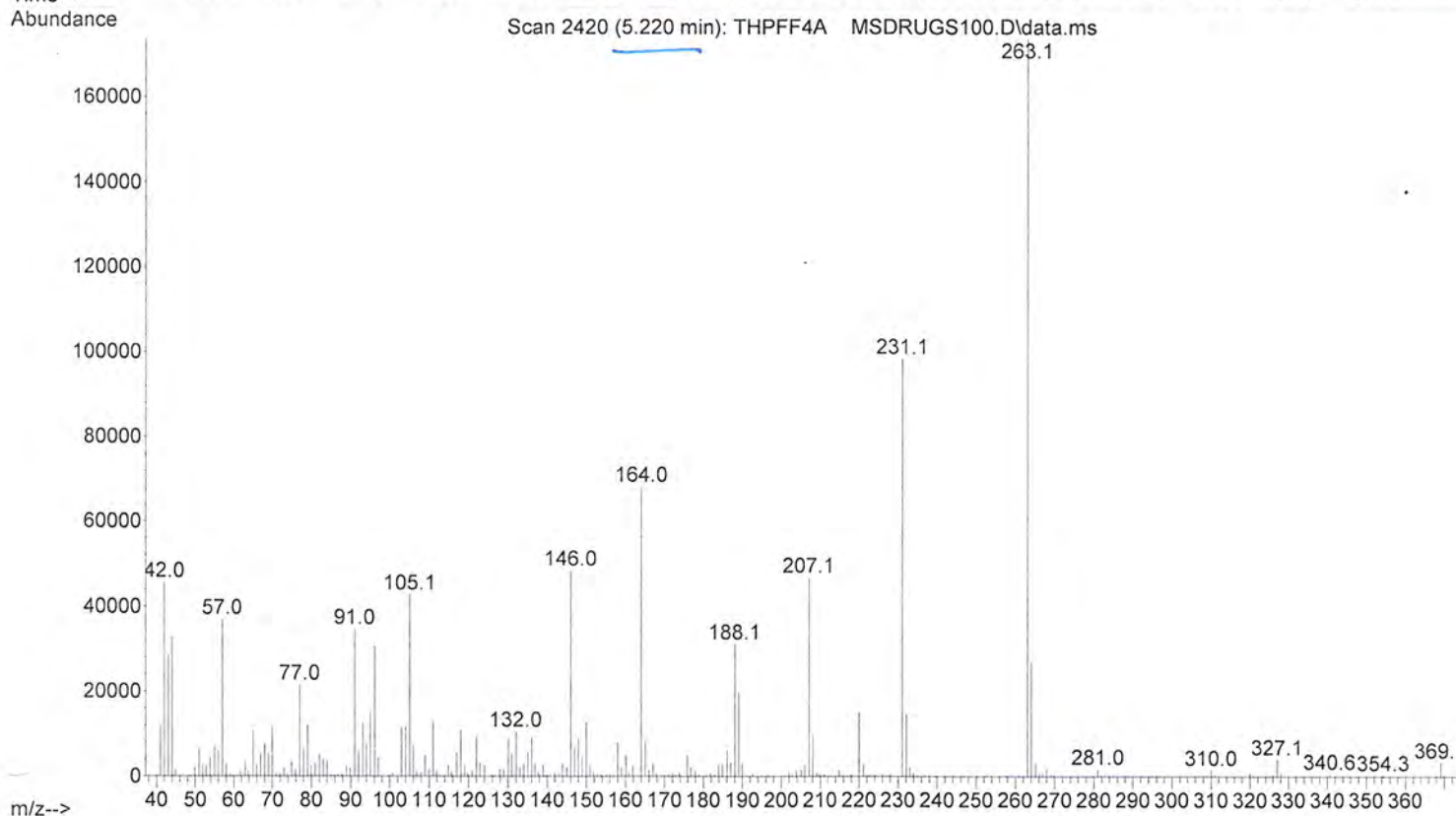
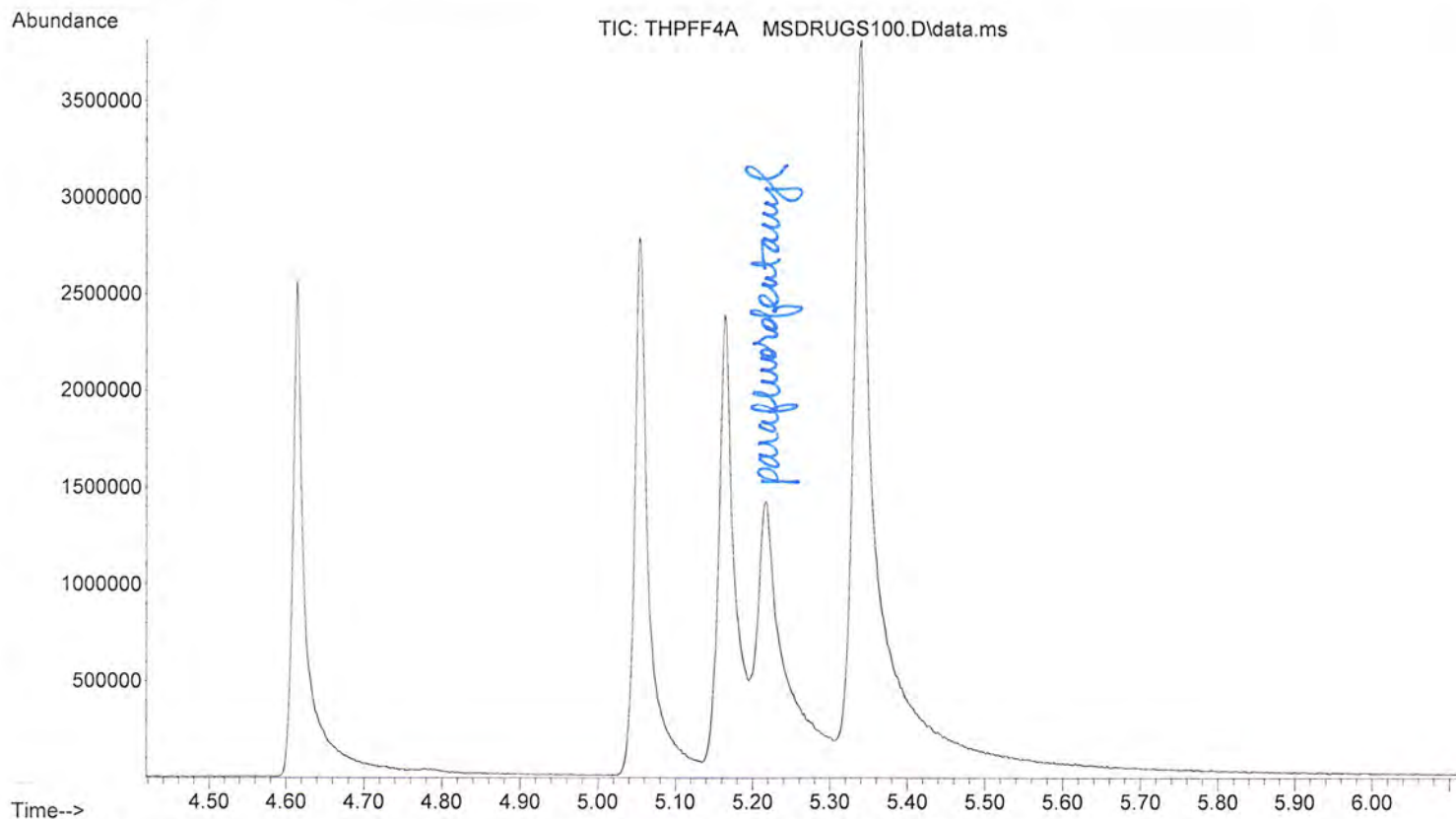
File :D:\MassHunter\GCMS\1\data\Standards --\MSDRUGS100\THPFF4A
... MSDRUGS100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 09 Nov 2022 14:32 using AcqMethod MSDRUGS100.M
Sample Name: THPFF4A MSDRUGS100
Misc Info : MEOH



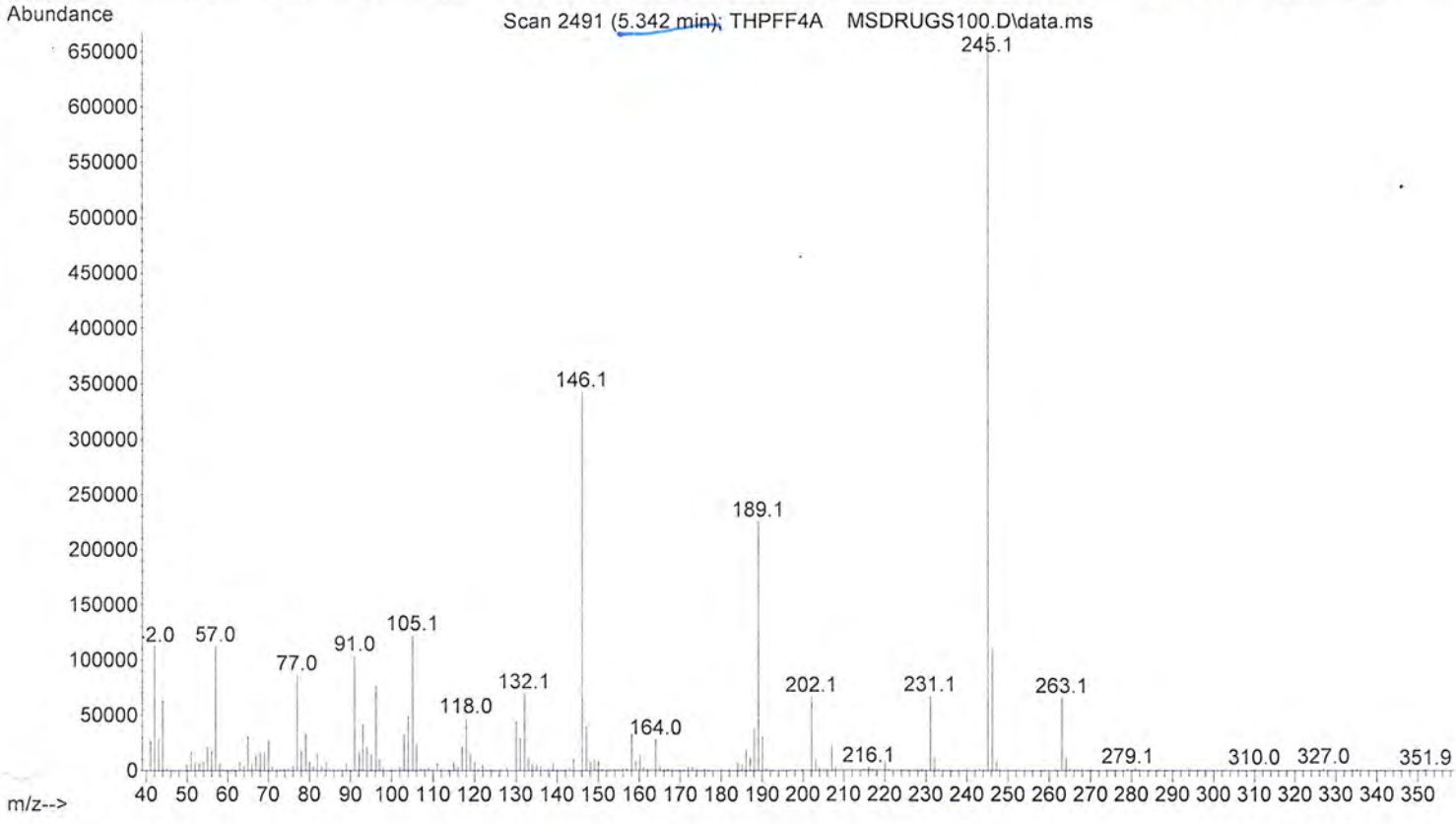
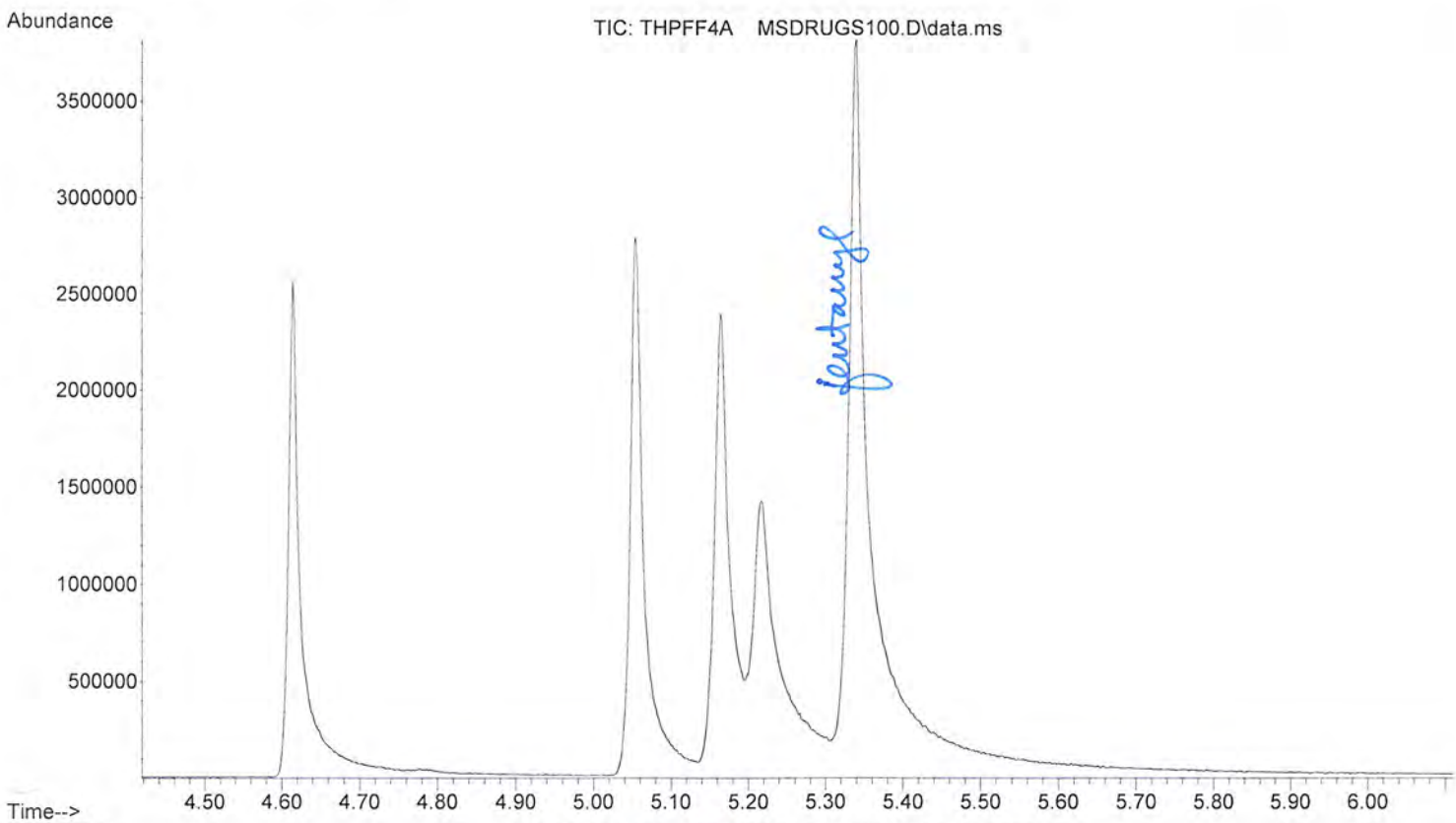
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... MSDRUGS100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 09 Nov 2022 14:32 using AcqMethod MSDRUGS100.M
Sam Name: THPFF4A MSDRUGS100
Misc Info : MEOH



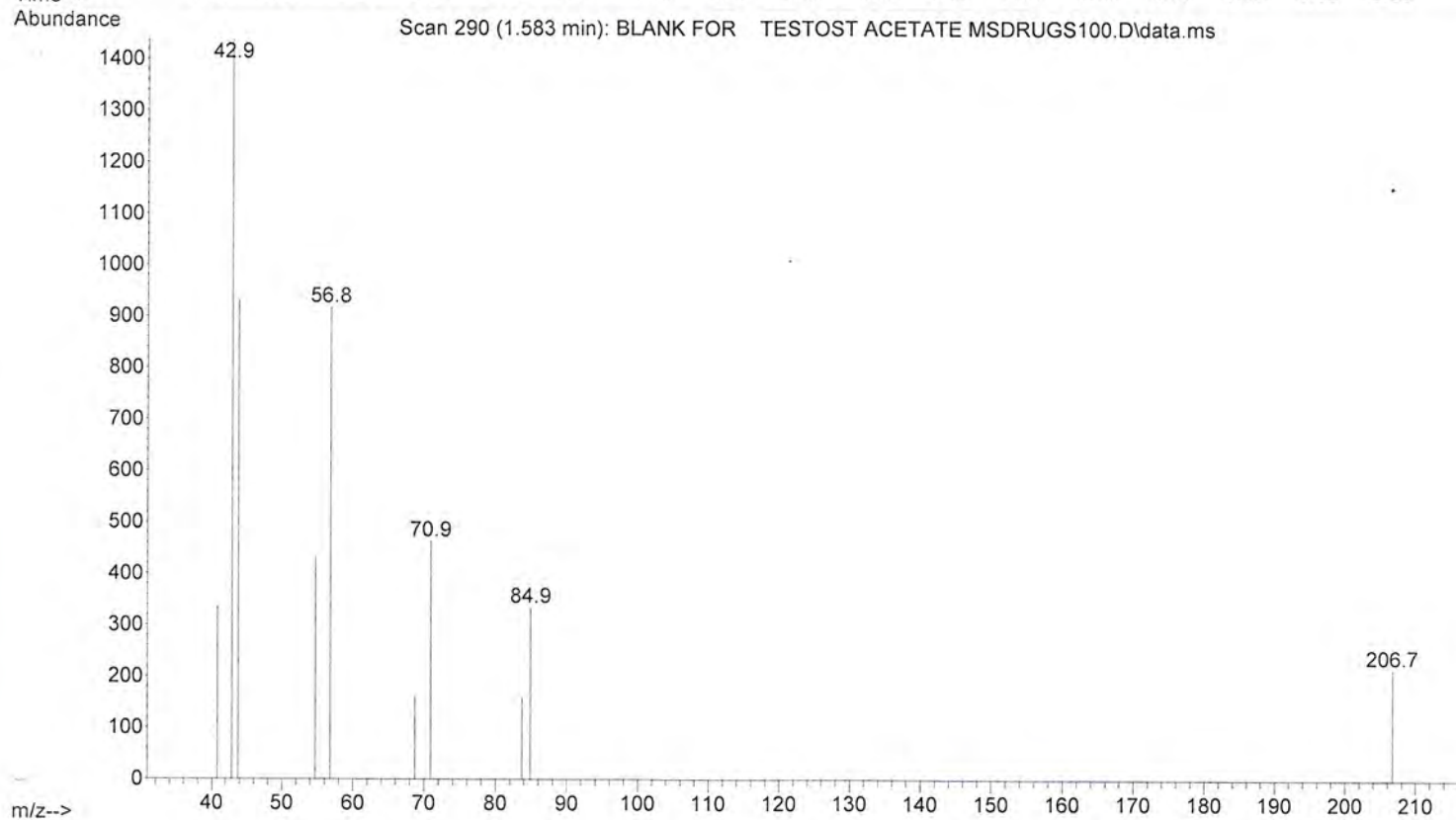
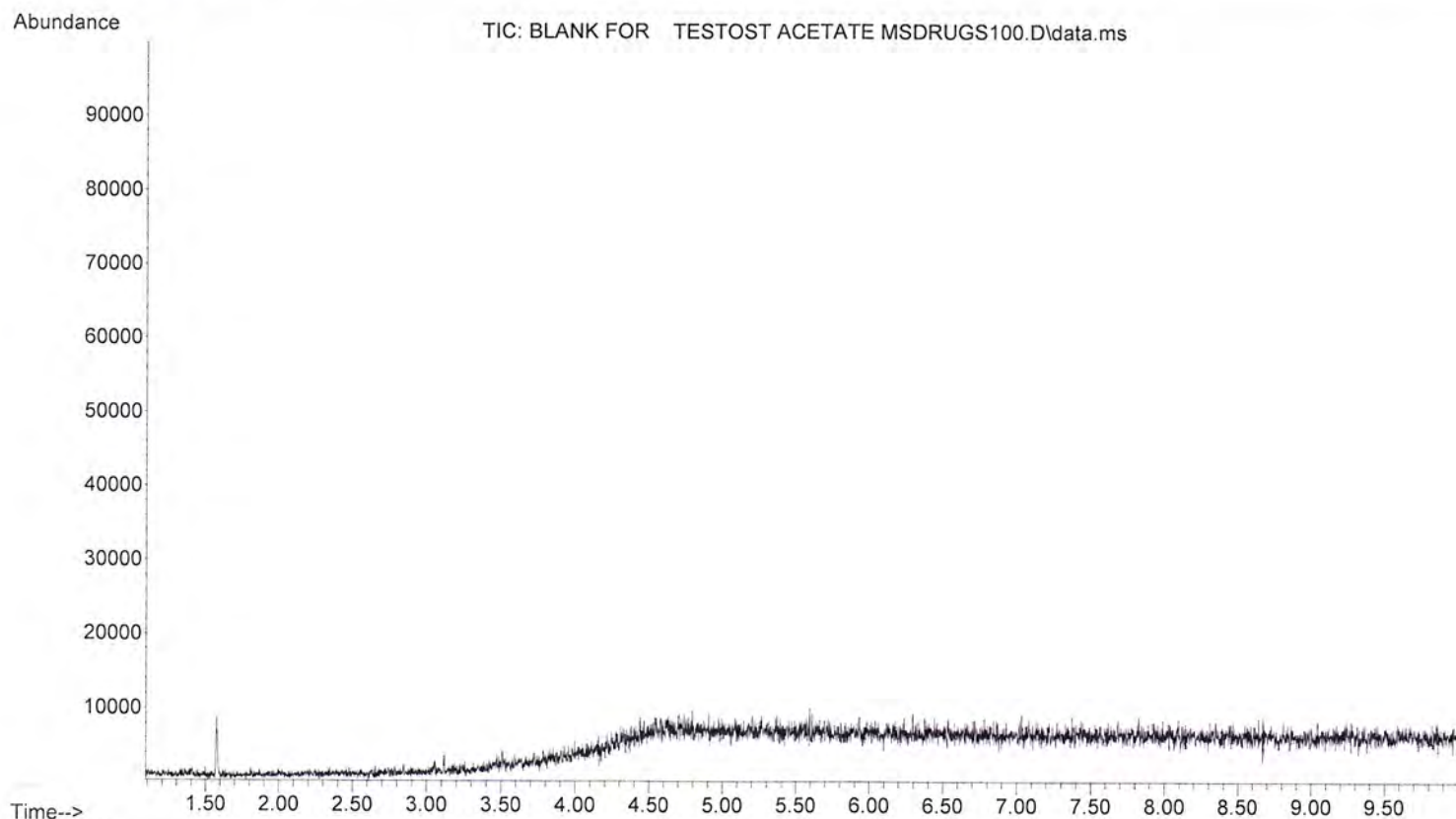
File :D:\MassHunter\GCMS\1\data\Standards --\MSDRUGS100\THPFF4A
... MSDRUGS100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 09 Nov 2022 14:32 using AcqMethod MSDRUGS100.M
Sample Name: THPFF4A MSDRUGS100
Misc info : MEOH



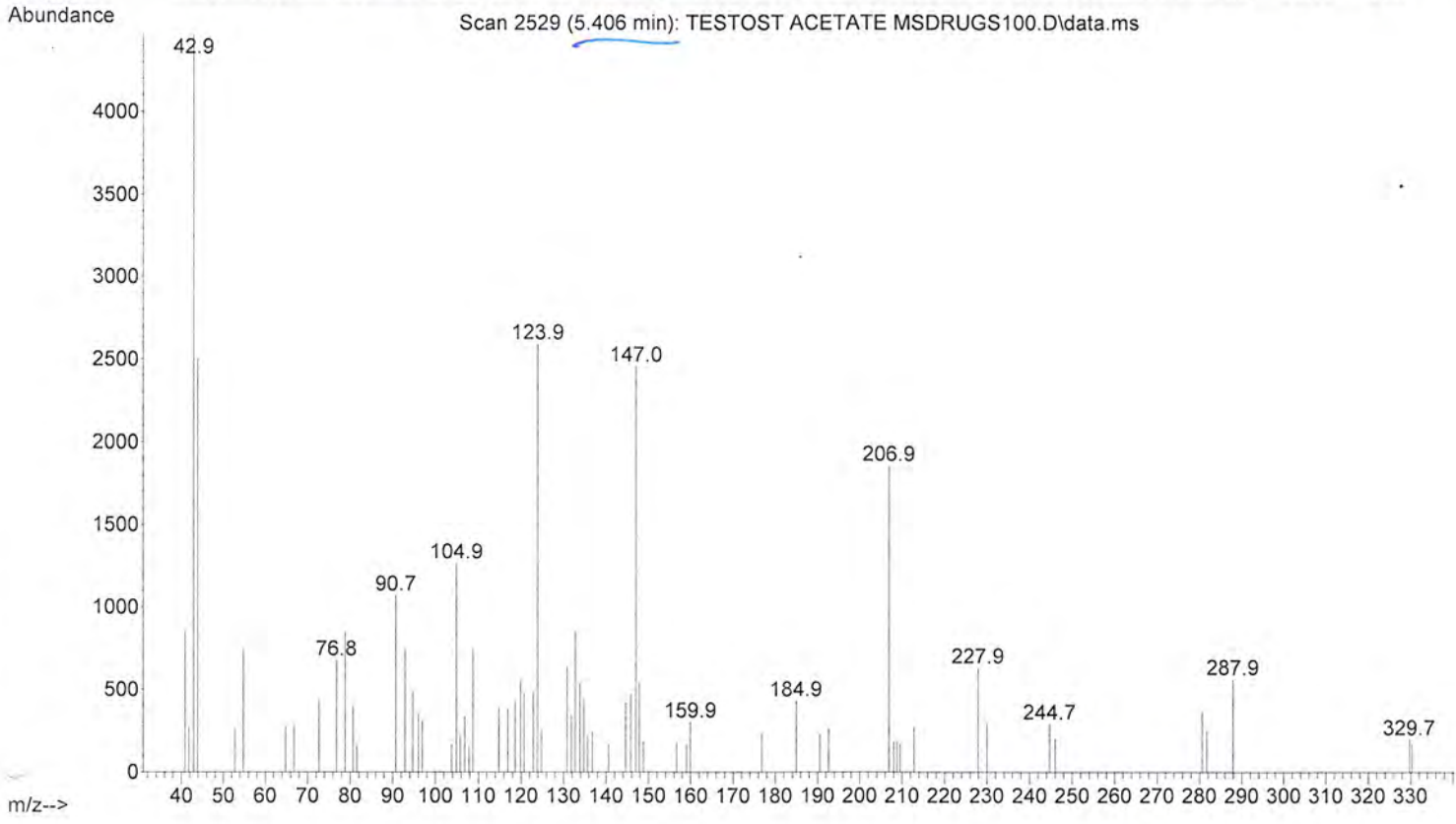
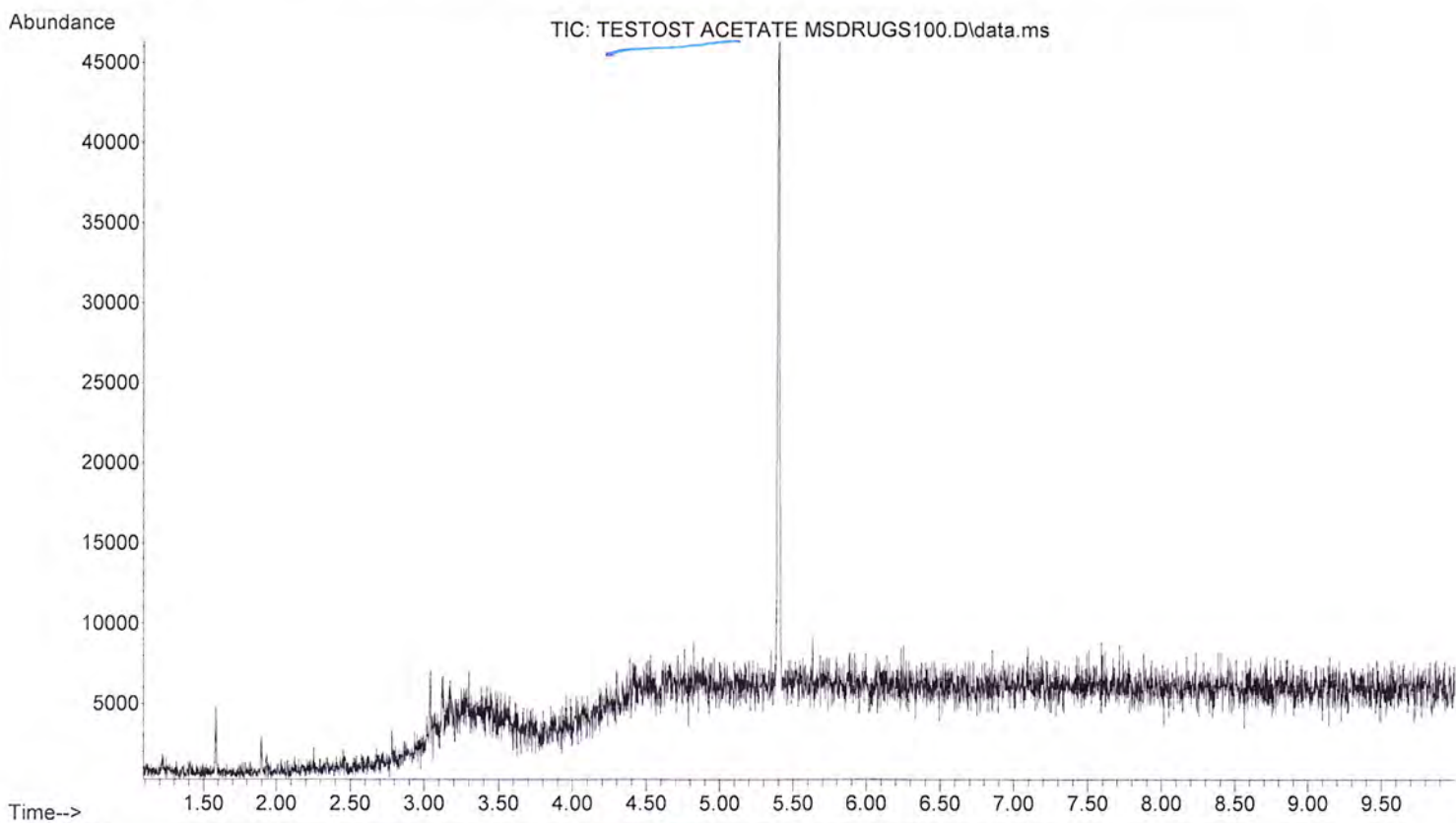
File :D:\MassHunter\GCMS\1\data\Standards --\MSDRUGS100\THPFF4A
... MSDRUGS100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 09 Nov 2022 14:32 using AcqMethod MSDRUGS100.M
Sample Name: THPFF4A MSDRUGS100
Misc Info : MEOH



File :D:\MassHunter\GCMS\1\data\Standards --\MSDRUGS100\BLANK FOR
... TESTOST ACETATE MSDRUGS100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 09 Nov 2022 14:55 using AcqMethod MSDRUGS100.M
Sample Name: BLANK FOR TESTOST ACETATE MSDRUGS100
Mobile Phase : MeOH



File :D:\MassHunter\GCMS\1\data\Standards --\MSDRUGS100\TESTOST AC
... ETATE MSDRUGS100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 09 Nov 2022 15:07 using AcqMethod MSDRUGS100.M
Sample Name: TESTOST ACETATE MSDRUGS100
Misc Info : MEOH



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

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

Tue Nov 29 11:49:38 2022

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 10.013 min
Post Run Time 0 min

Oven
Temperature
Setpoint On
(Initial) 200 °C
Hold Time 1 min
Post Run 70 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 7.87 min

Equilibration Time 0.25 min
Max Temperature 325 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 0
Solvent A Washes (PostInj) 0
Solvent A Volume 4 µL
Solvent B Washes (PreInj) 0
Solvent B Washes (PostInj) 0
Solvent B Volume 4 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 3000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 3000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.5 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	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	0.2 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 300 °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	0.57353 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
Out	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	10 psi

Column Information	Agilent 19091S-913
Description	HP-1ms
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
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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: US2227M017

Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
34.899	:	REPELLER	
90.331	:	IONFOCUS	
27.717	:	ENTRANCE_LENS	
1057.682	:	EMVOLTS	
			1094.9 : Actual EMV
			1.00 : GAIN FACTOR
3306.000	:	AMUGAIN	
141.563	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
9.621	:	ENTLENDOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
507.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT 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
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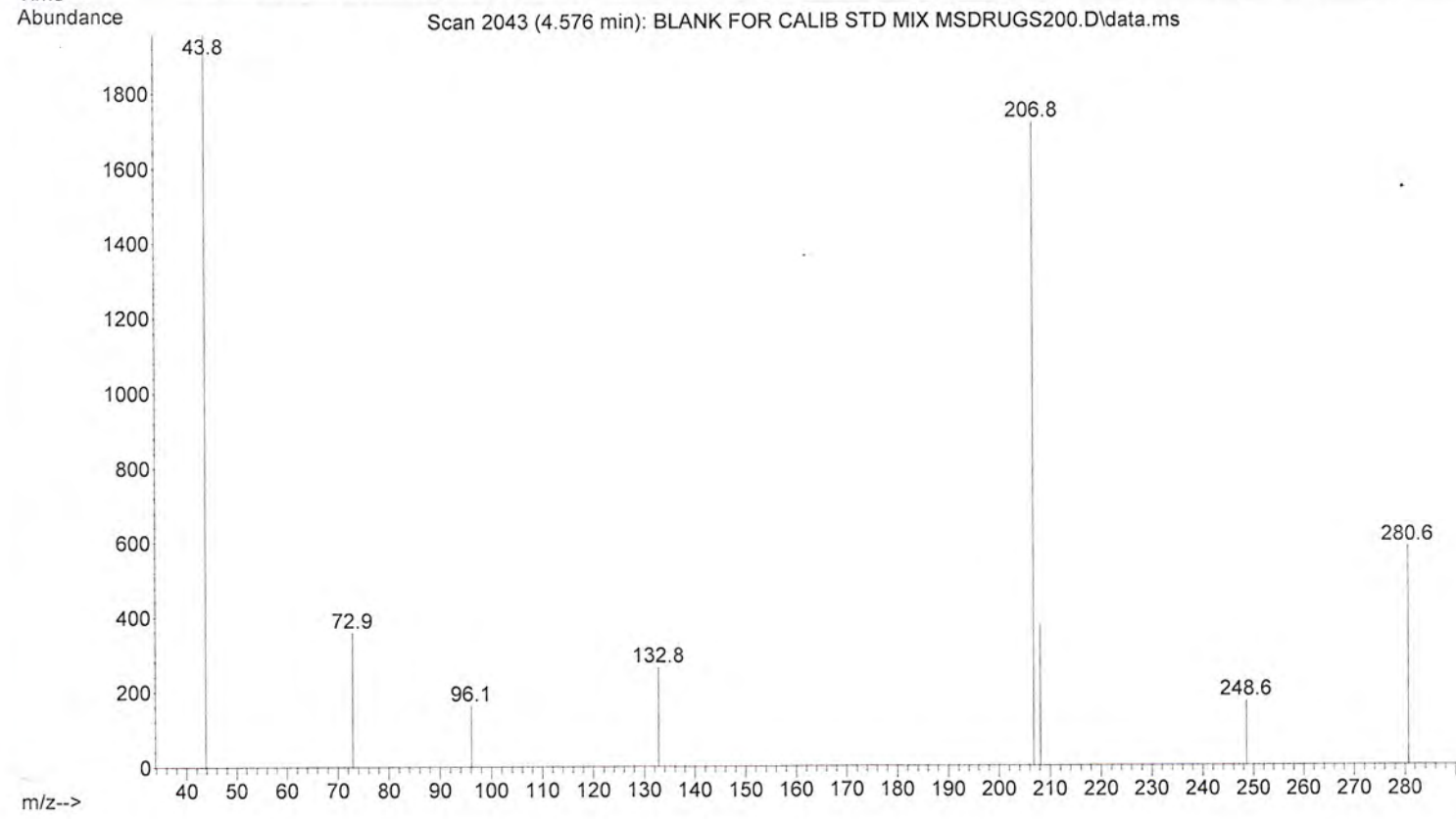
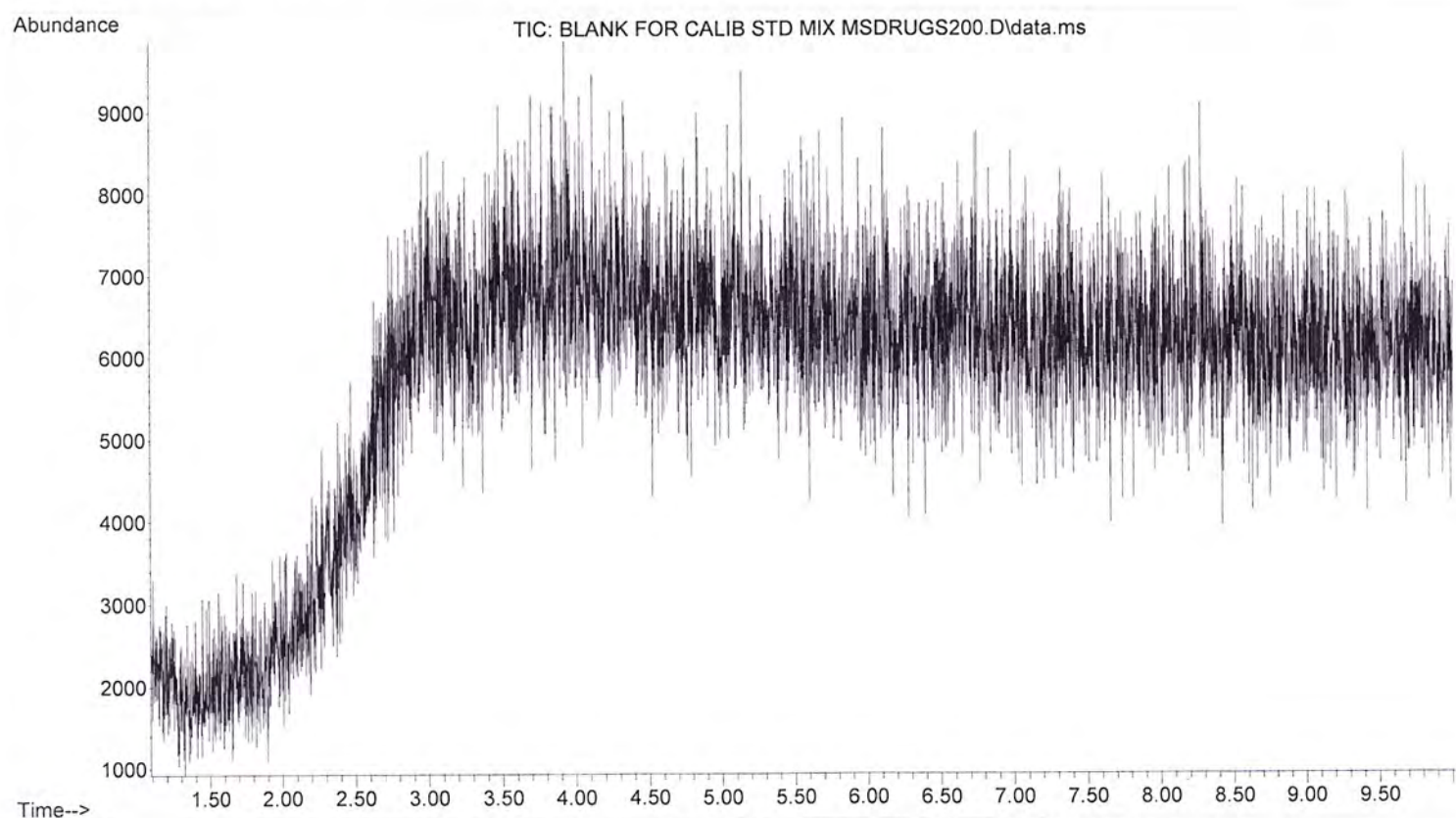
Real-Time Plots

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

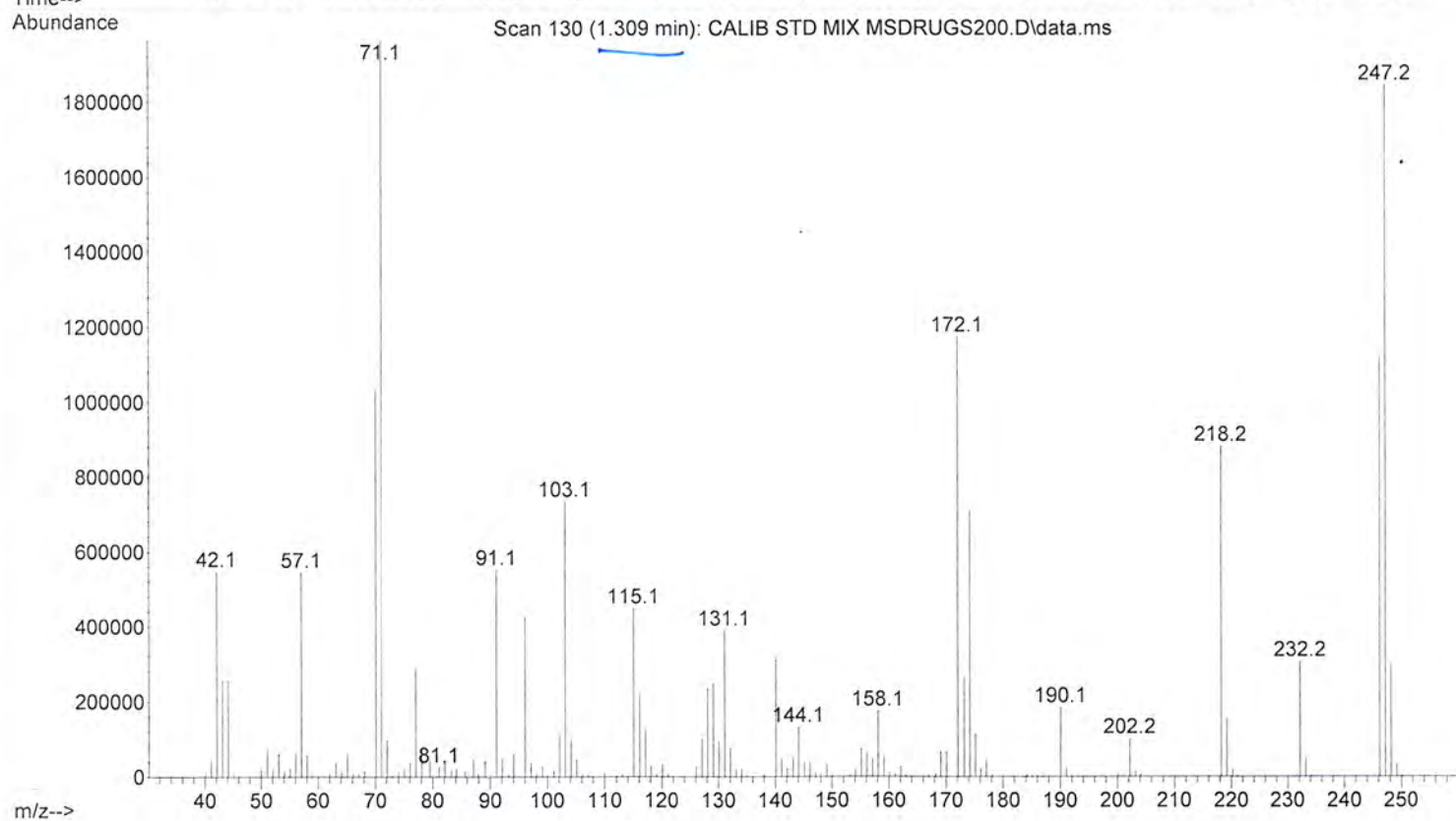
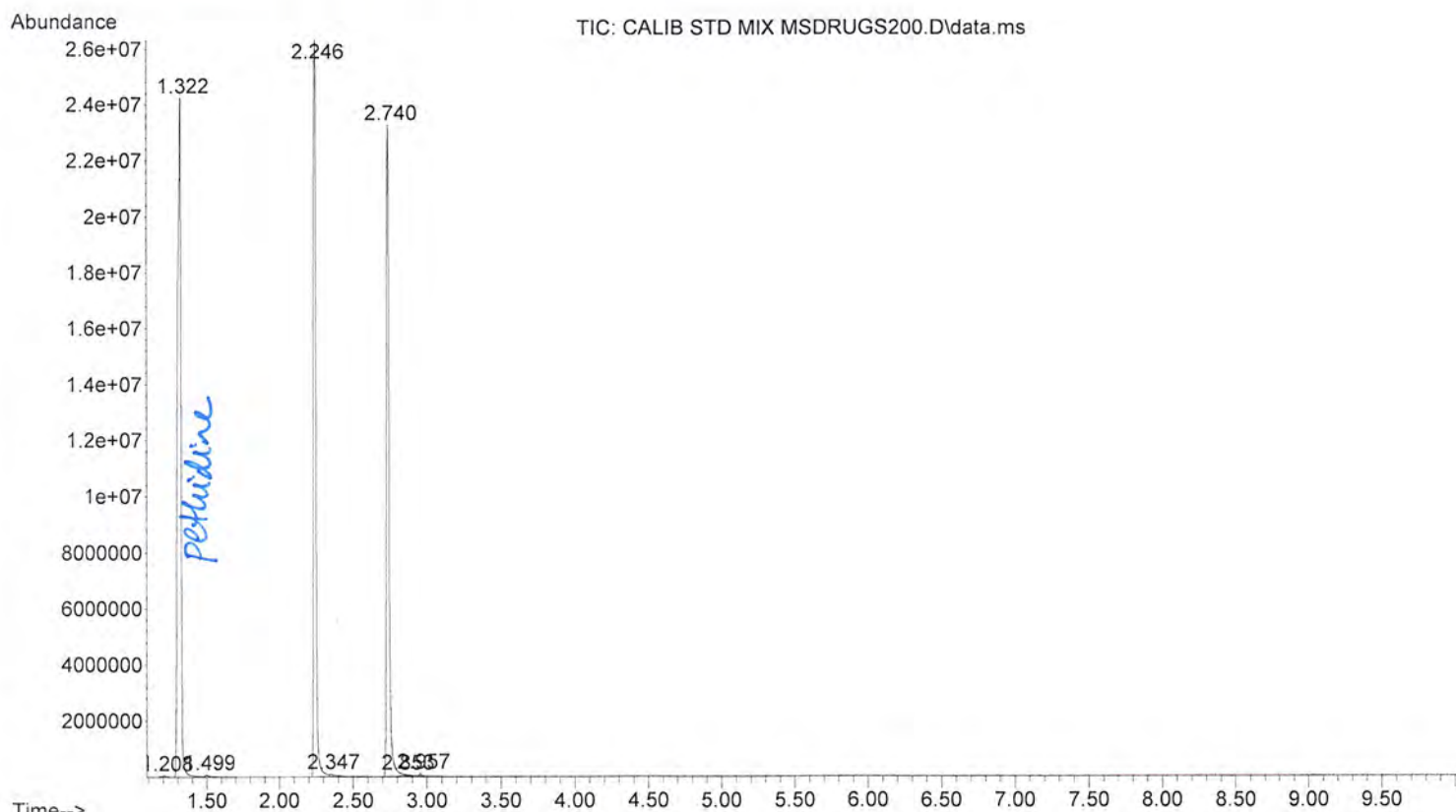
Self-Cleaning Ion Source Parameters

Mode	No Cleaning
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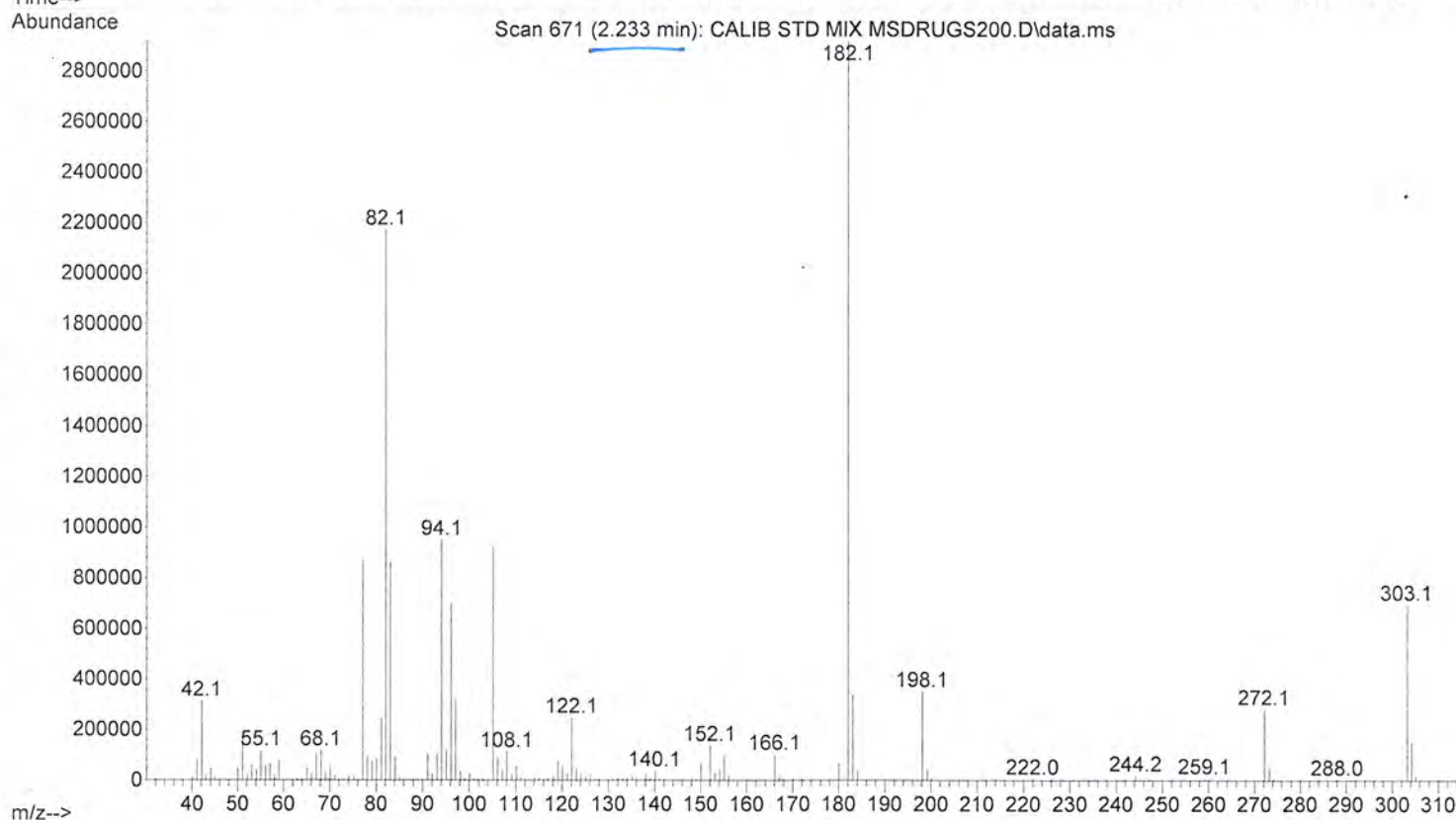
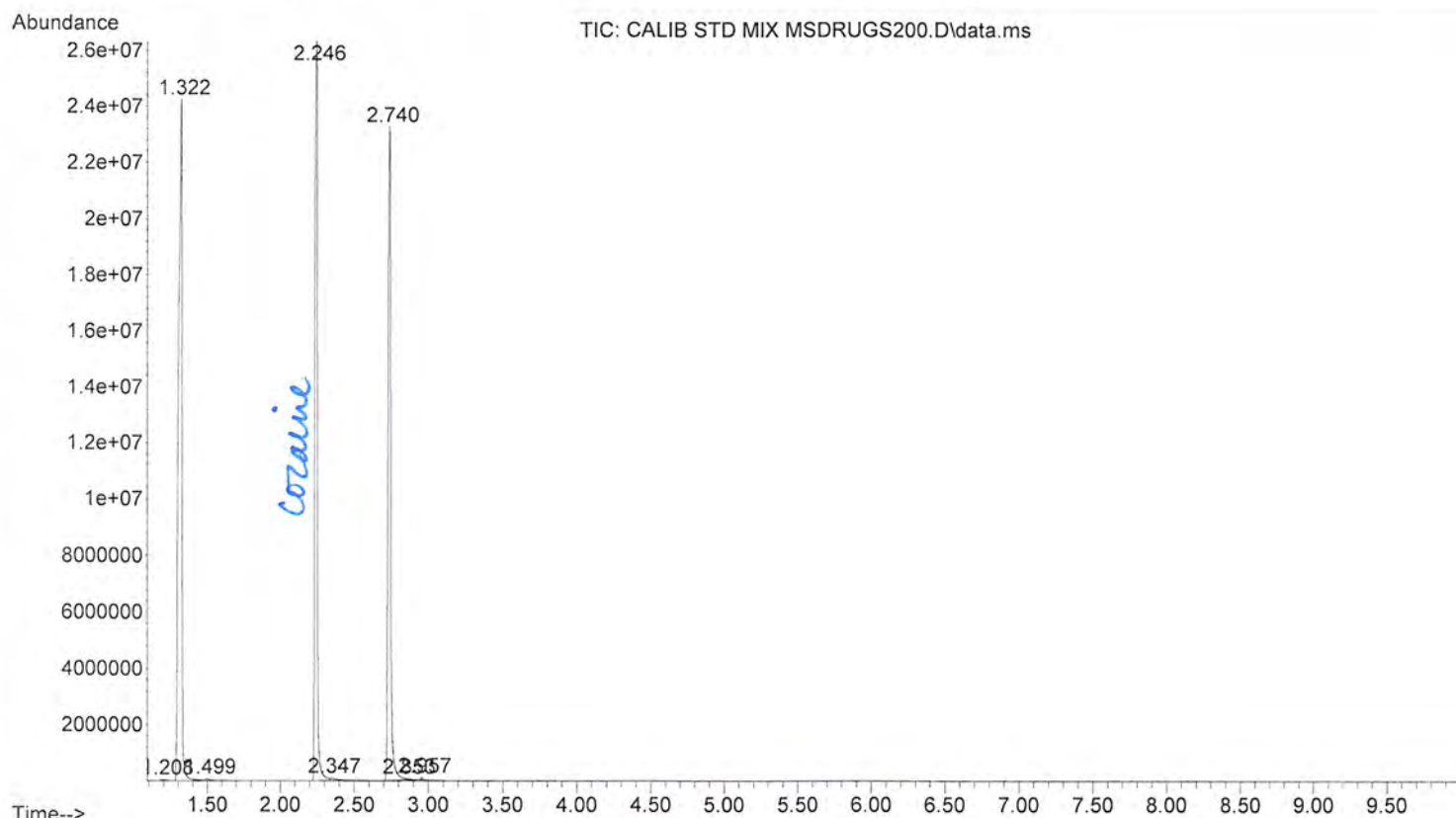
File :D:\MassHunter\GCMS\1\data\Standards --\MSDRUGS200\BLANK FOR
... CALIB STD MIX MSDRUGS200.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 10 Nov 2022 08:23 using AcqMethod MSDRUGS200.M
Sample Name: BLANK FOR CALIB STD MIX MSDRUGS200
Misc Info : MeOH



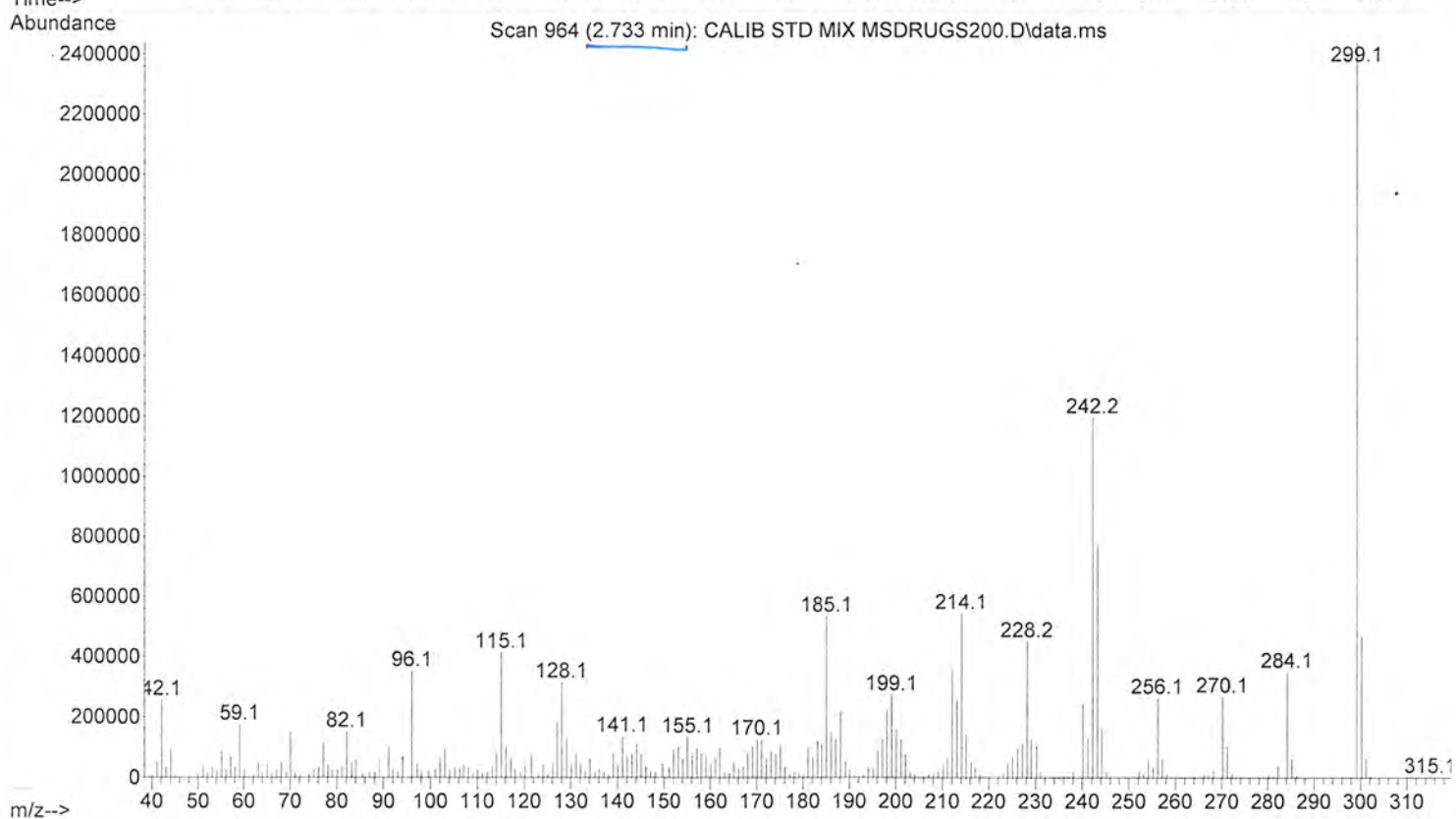
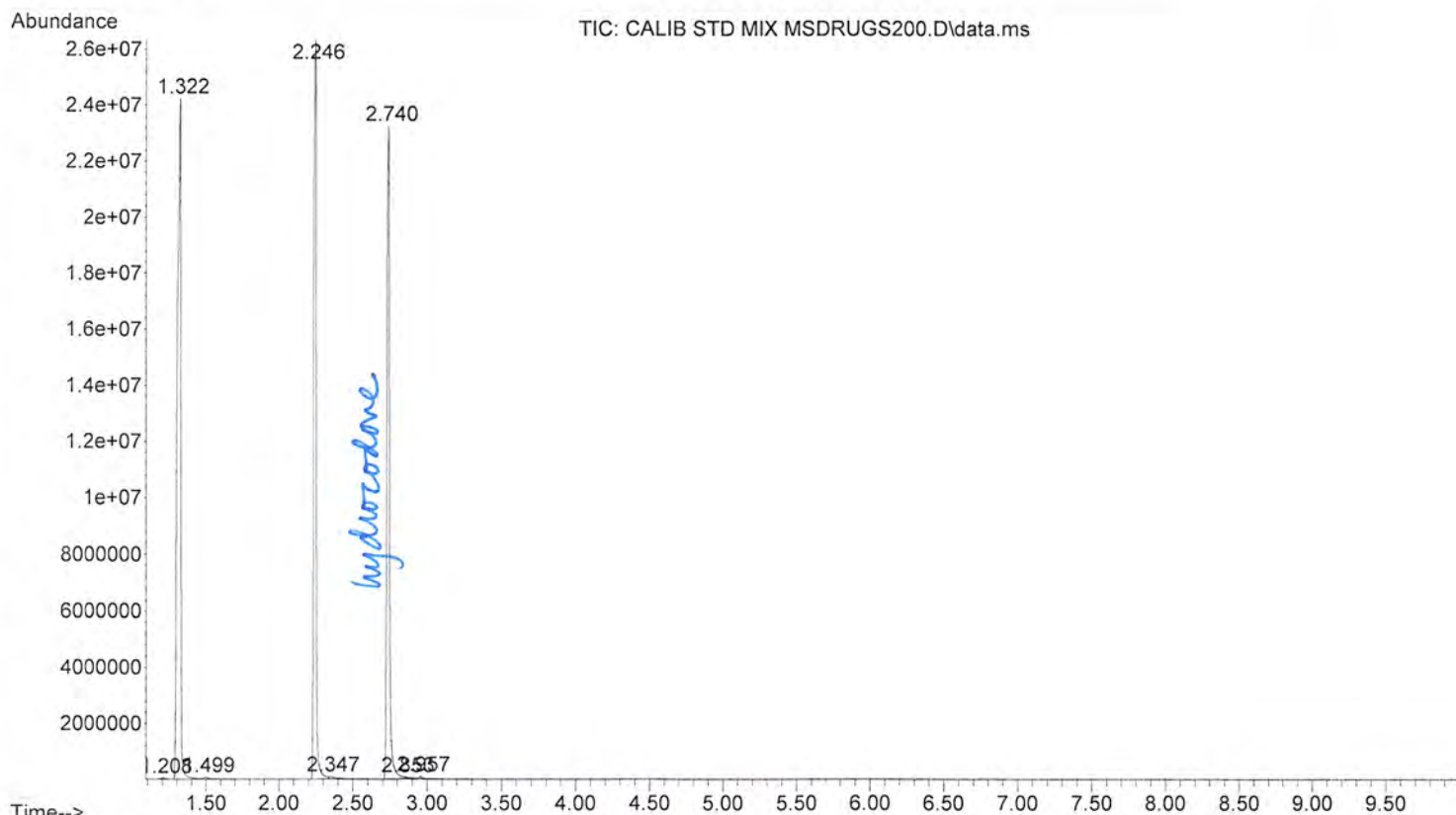
File :D:\MassHunter\GCMS\1\data\Standards --\MSDRUGS200\CALIB STD
... MIX MSDRUGS200.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 10 Nov 2022 08:35 using AcqMethod MSDRUGS200.M
Sample Name: CALIB STD MIX MSDRUGS200
Misc Info : MeOH



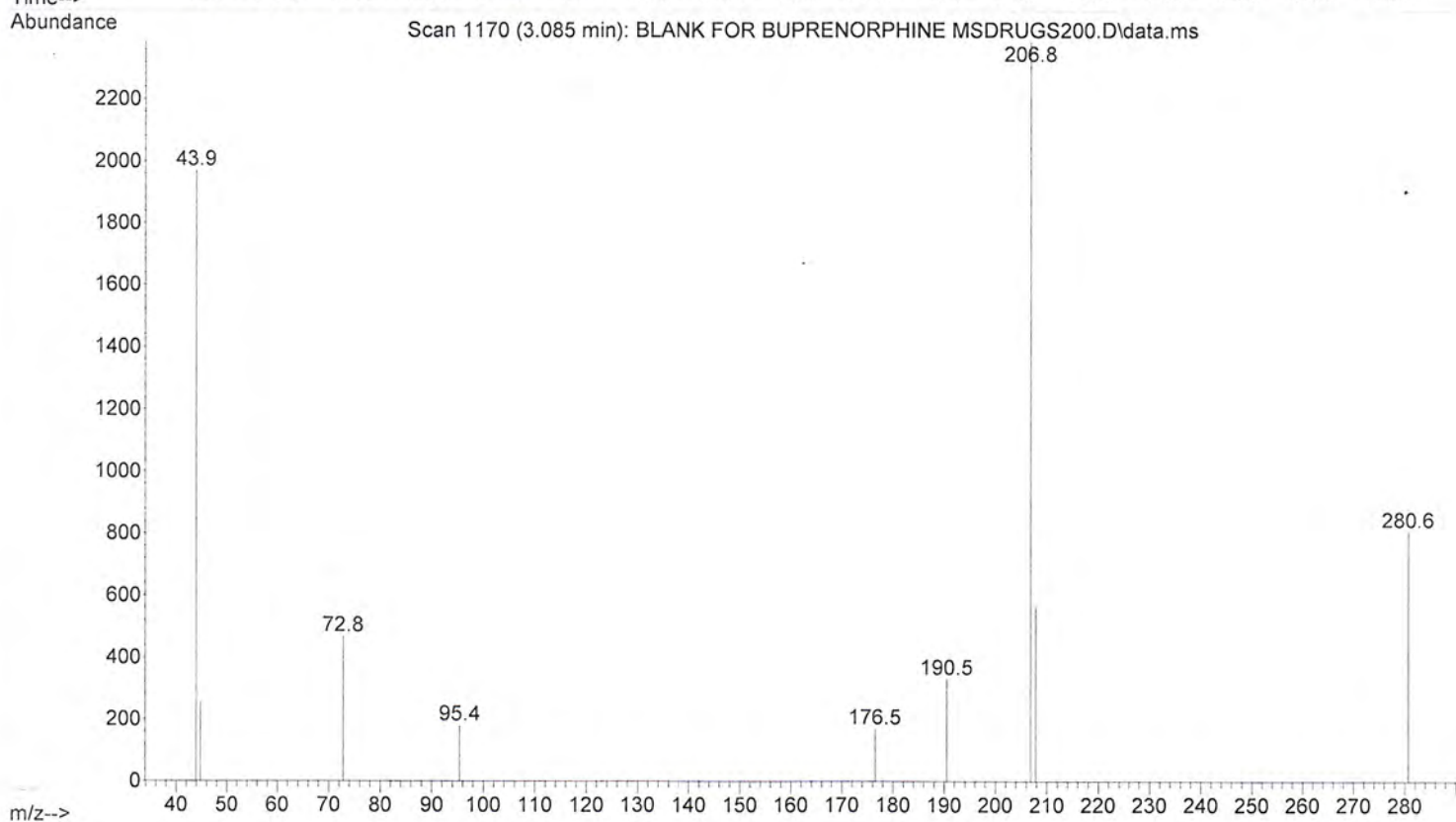
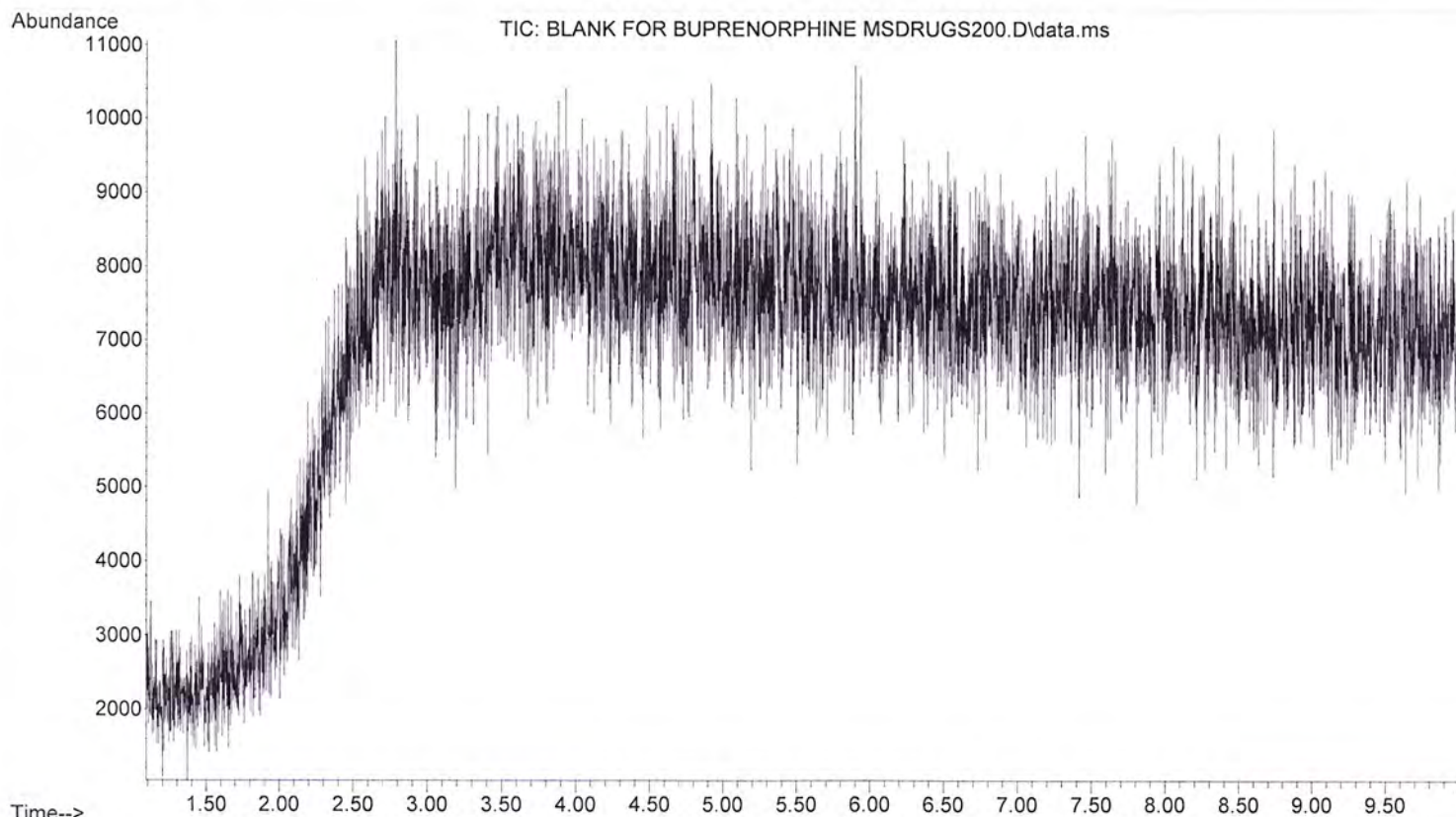
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... MIX MSDRUGS200.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 10 Nov 2022 08:35 using AcqMethod MSDRUGS200.M
Sample Name: CALIB STD MIX MSDRUGS200
Misc Info : MeOH



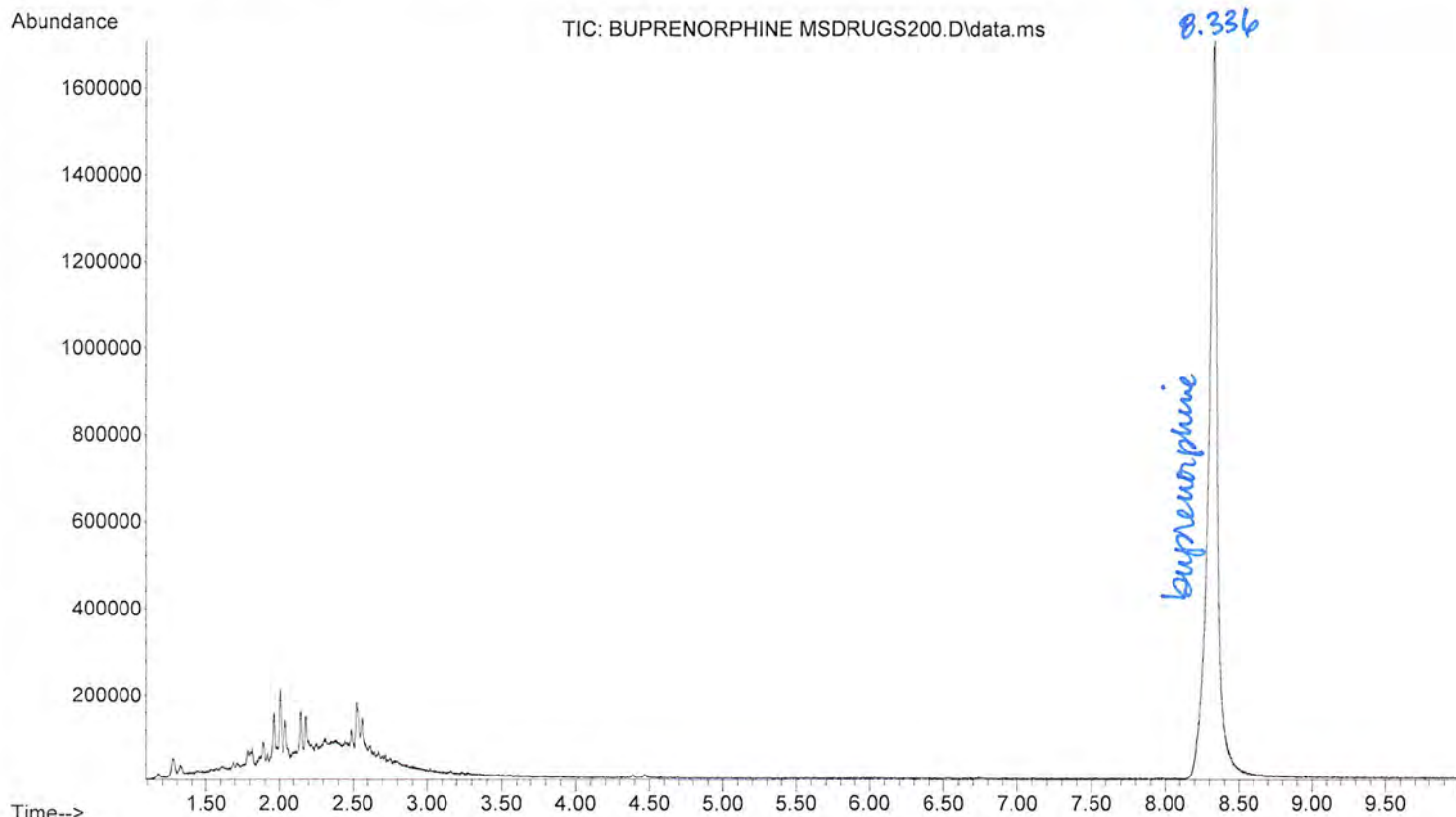
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... MIX MSDRUGS200.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 10 Nov 2022 08:35 using AcqMethod MSDRUGS200.M
Sample Name: CALIB STD MIX MSDRUGS200
Misc Info : MeOH



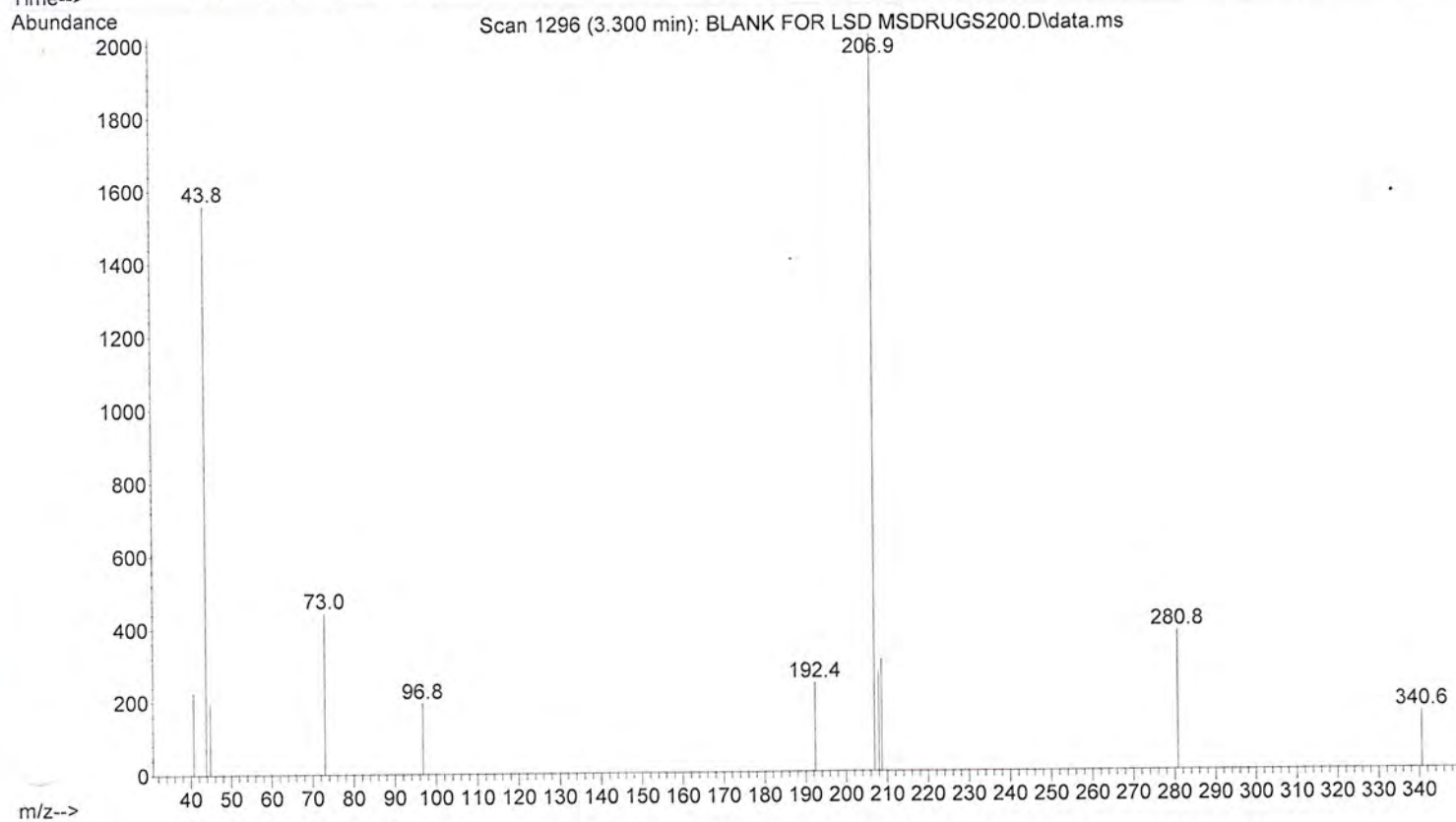
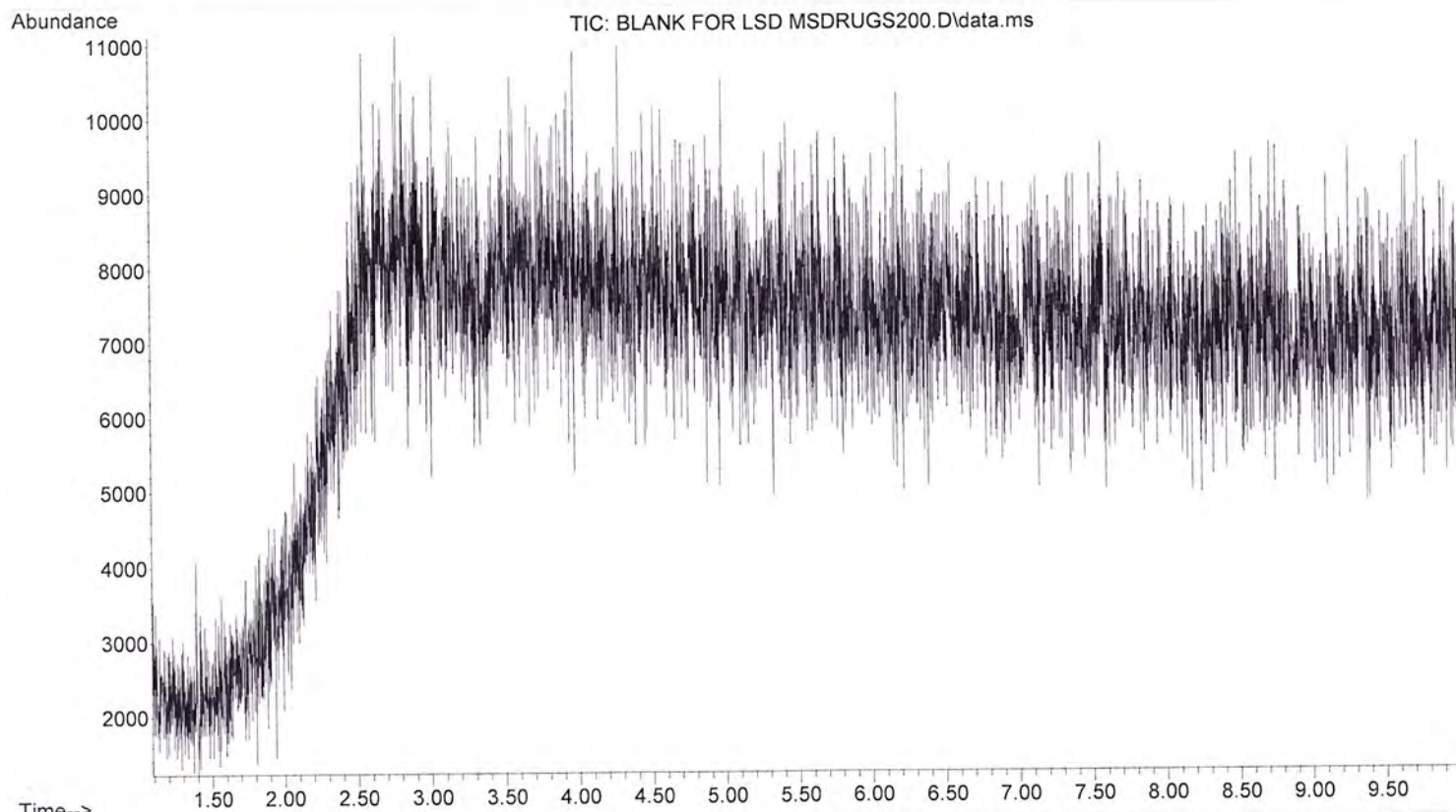
File :D:\MassHunter\GCMS\1\data\Standards --\MSDRUGS200\BLANK FOR
... BUPRENORPHINE MSDRUGS200.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 10 Nov 2022 08:57 using AcqMethod MSDRUGS200.M
Sample Name: BLANK FOR BUPRENORPHINE MSDRUGS200
Misc Info : MeOH



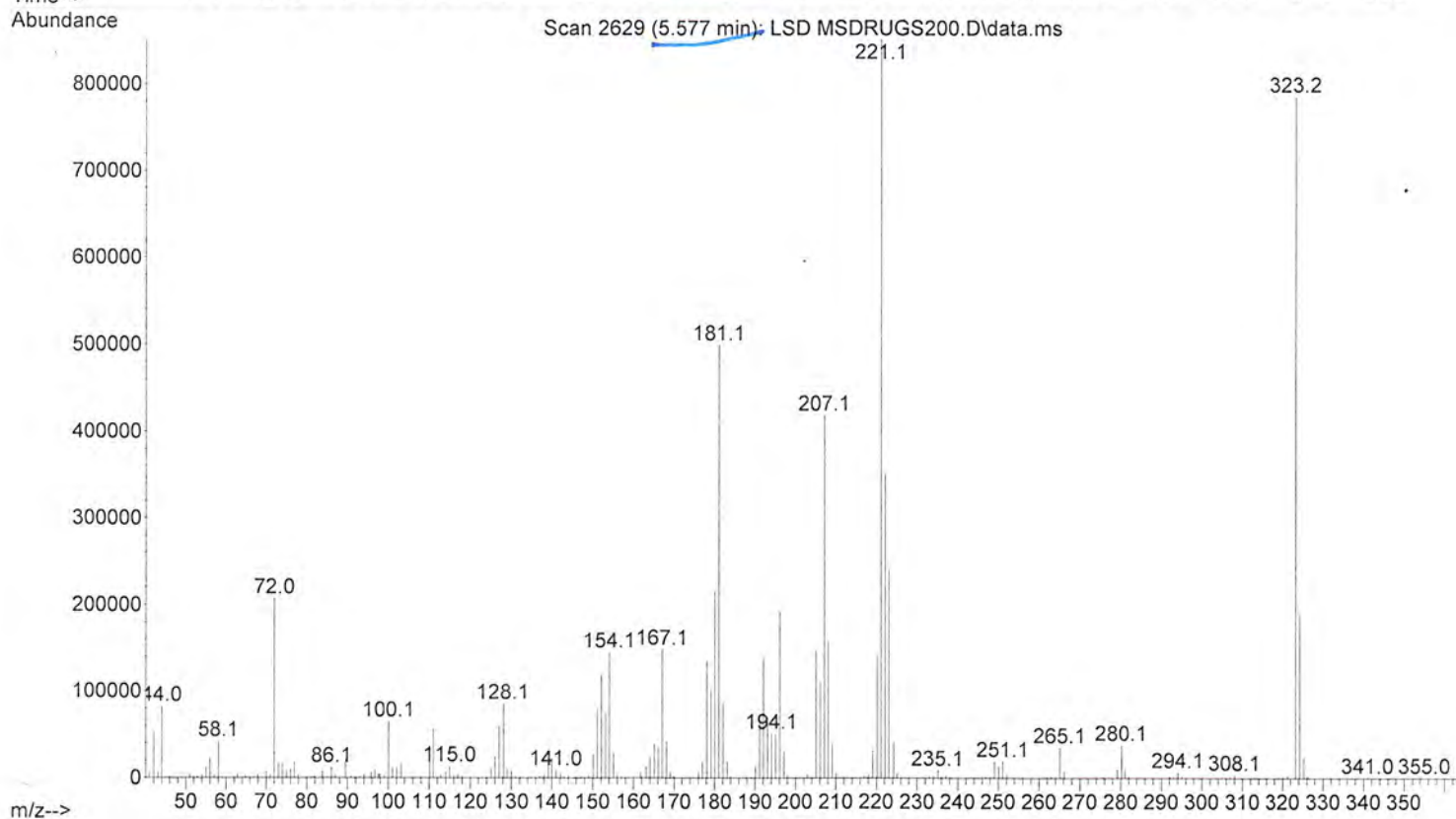
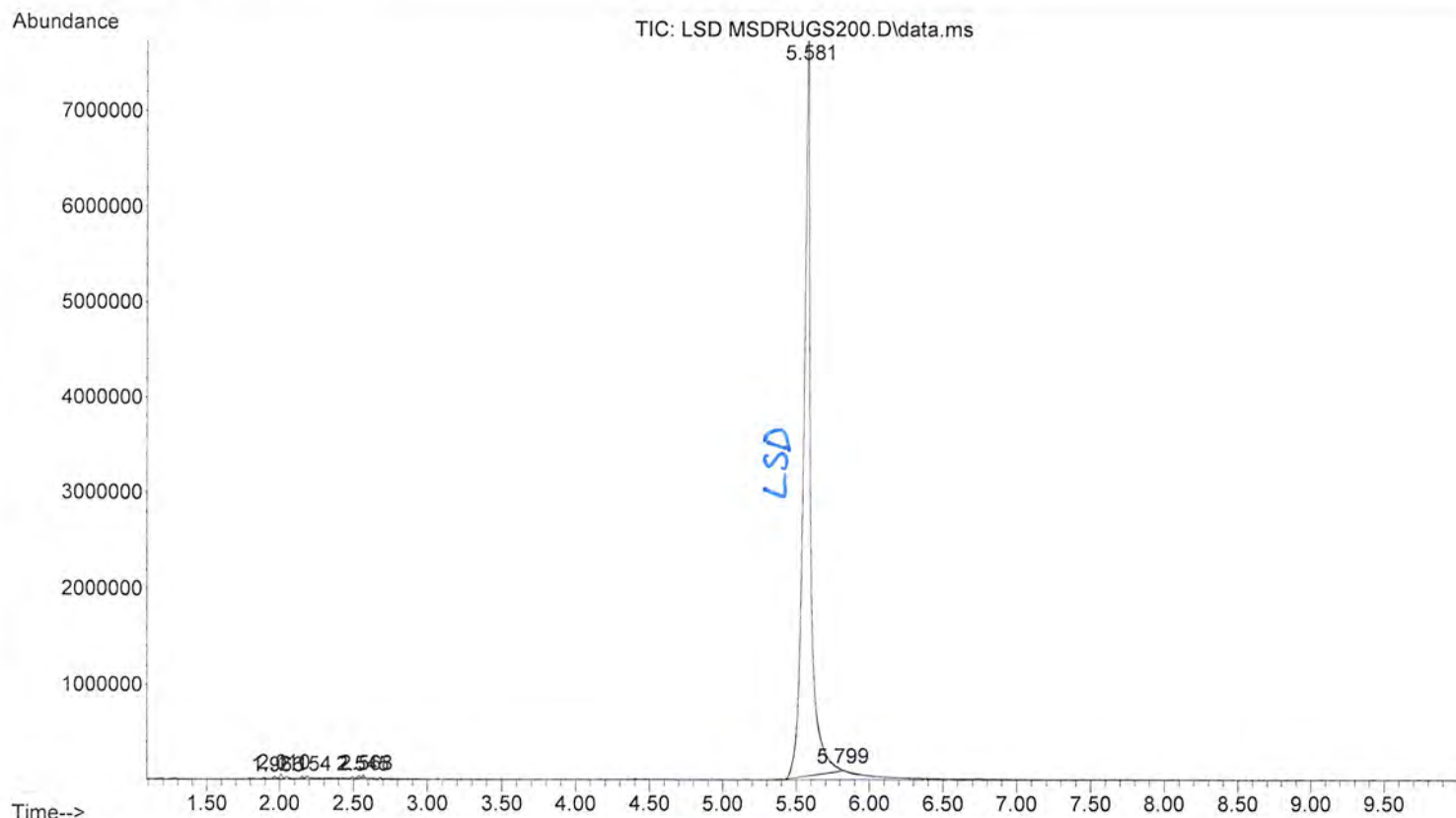
File :D:\MassHunter\GCMS\1\data\Standards --\MSDRUGS200\BUPRENORPH
... INE MSDRUGS200.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 10 Nov 2022 09:08 using AcqMethod MSDRUGS200.M
Sample Name: BUPRENORPHINE MSDRUGS200
Misc Info : MeOH



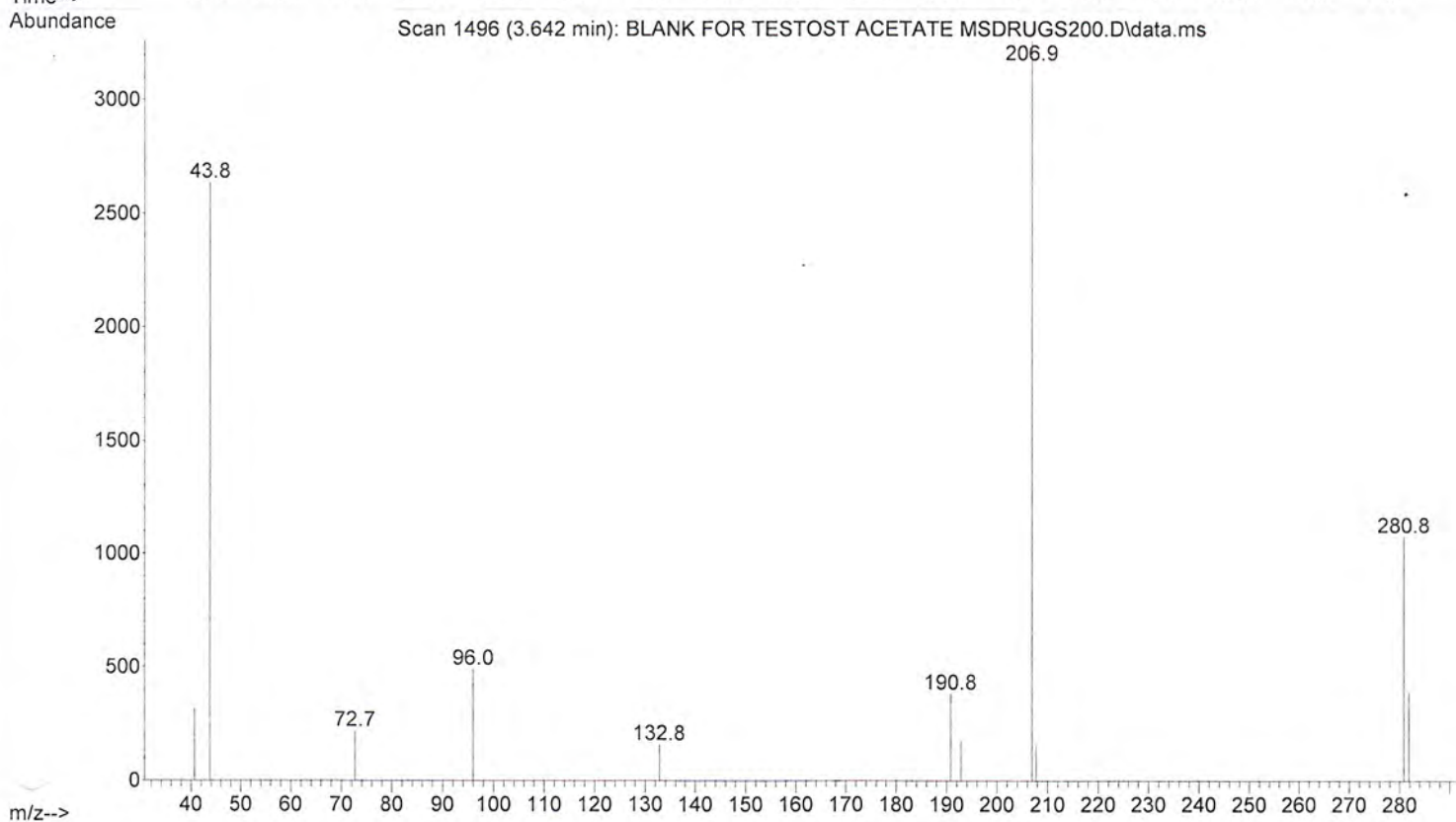
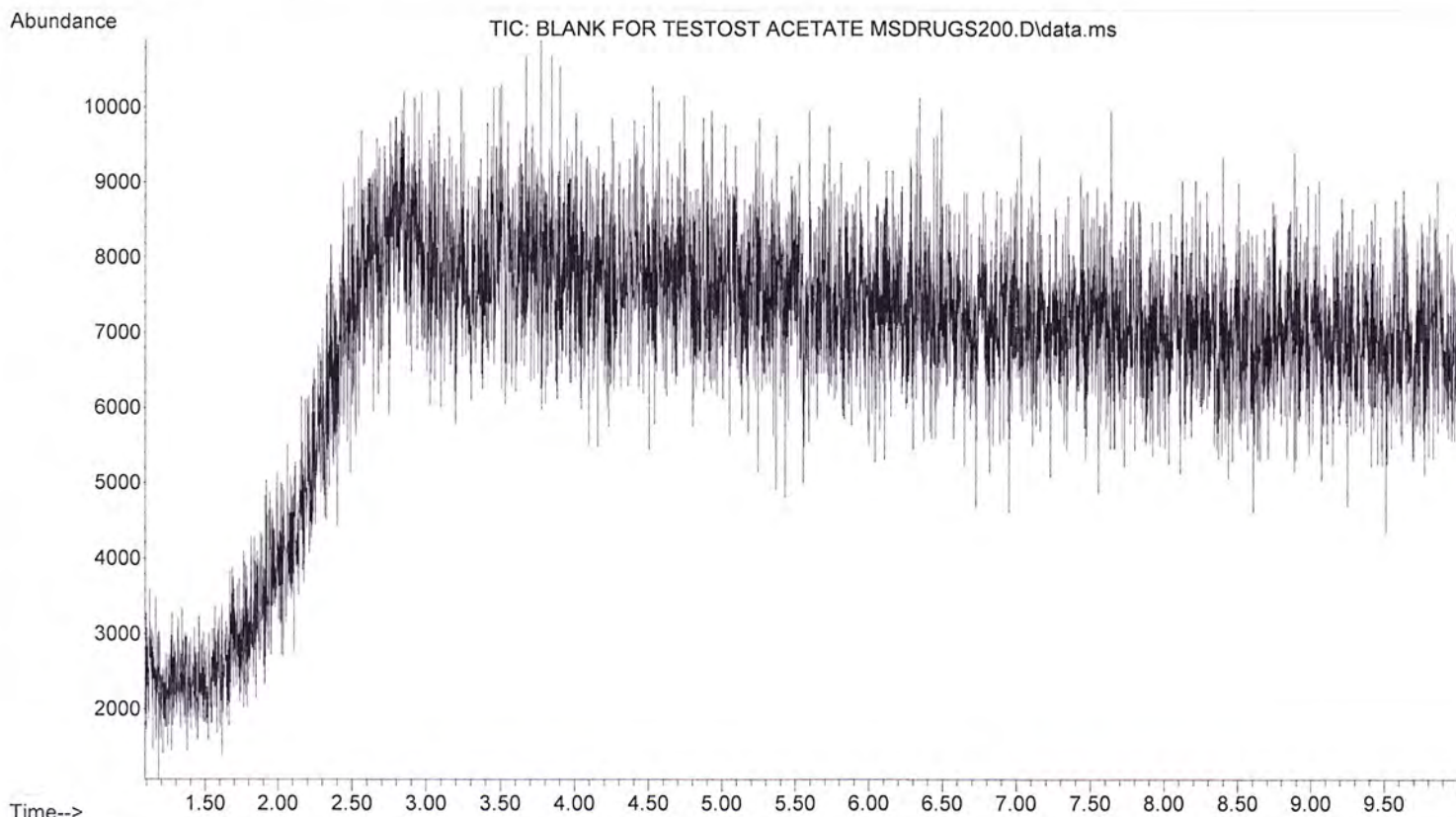
File :D:\MassHunter\GCMS\1\data\Standards --\MSDRUGS200\BLANK FOR
... LSD MSDRUGS200.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 10 Nov 2022 09:32 using AcqMethod MSDRUGS200.M
Sample Name: BLANK FOR LSD MSDRUGS200
Misc Info : MeOH



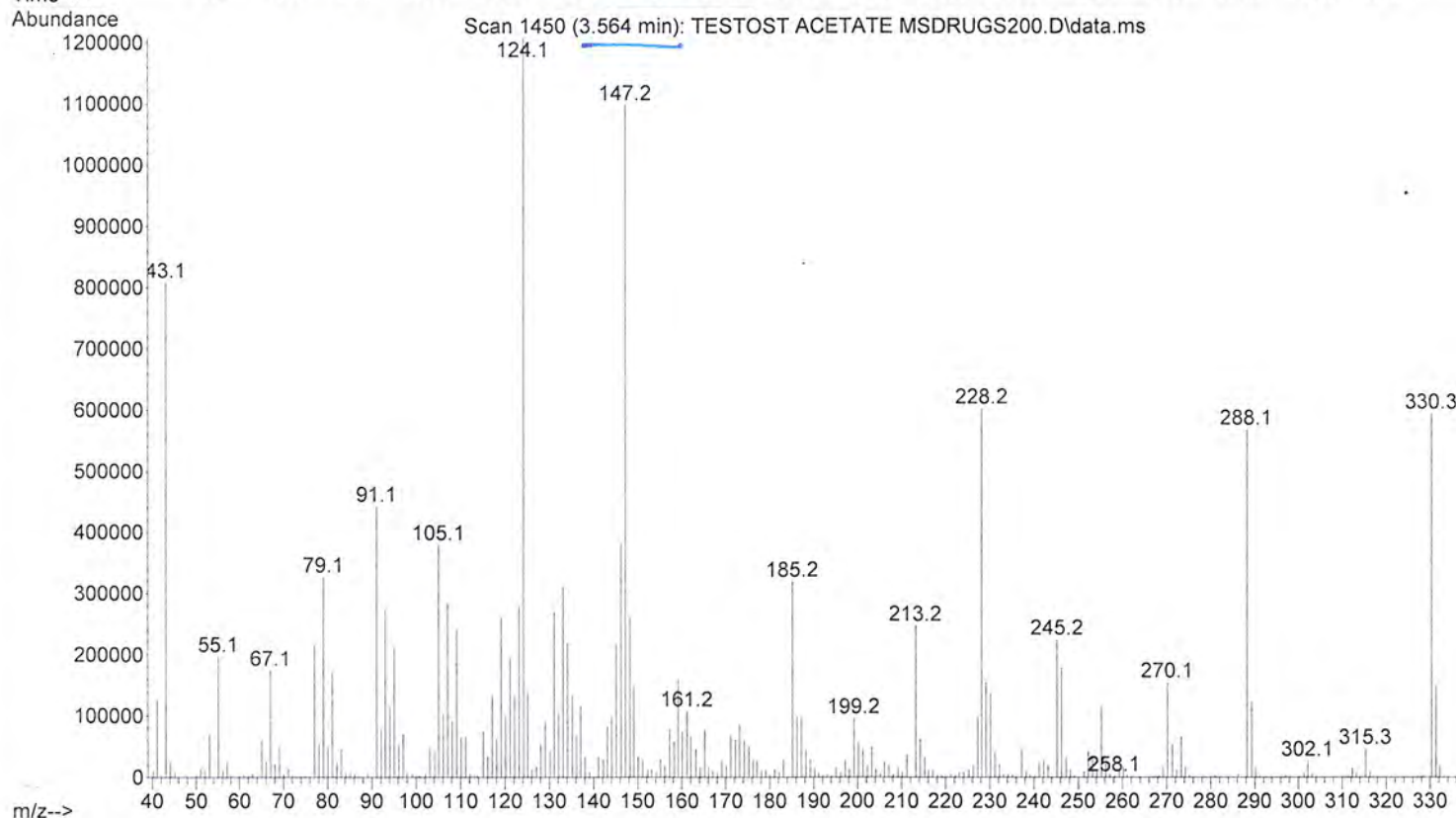
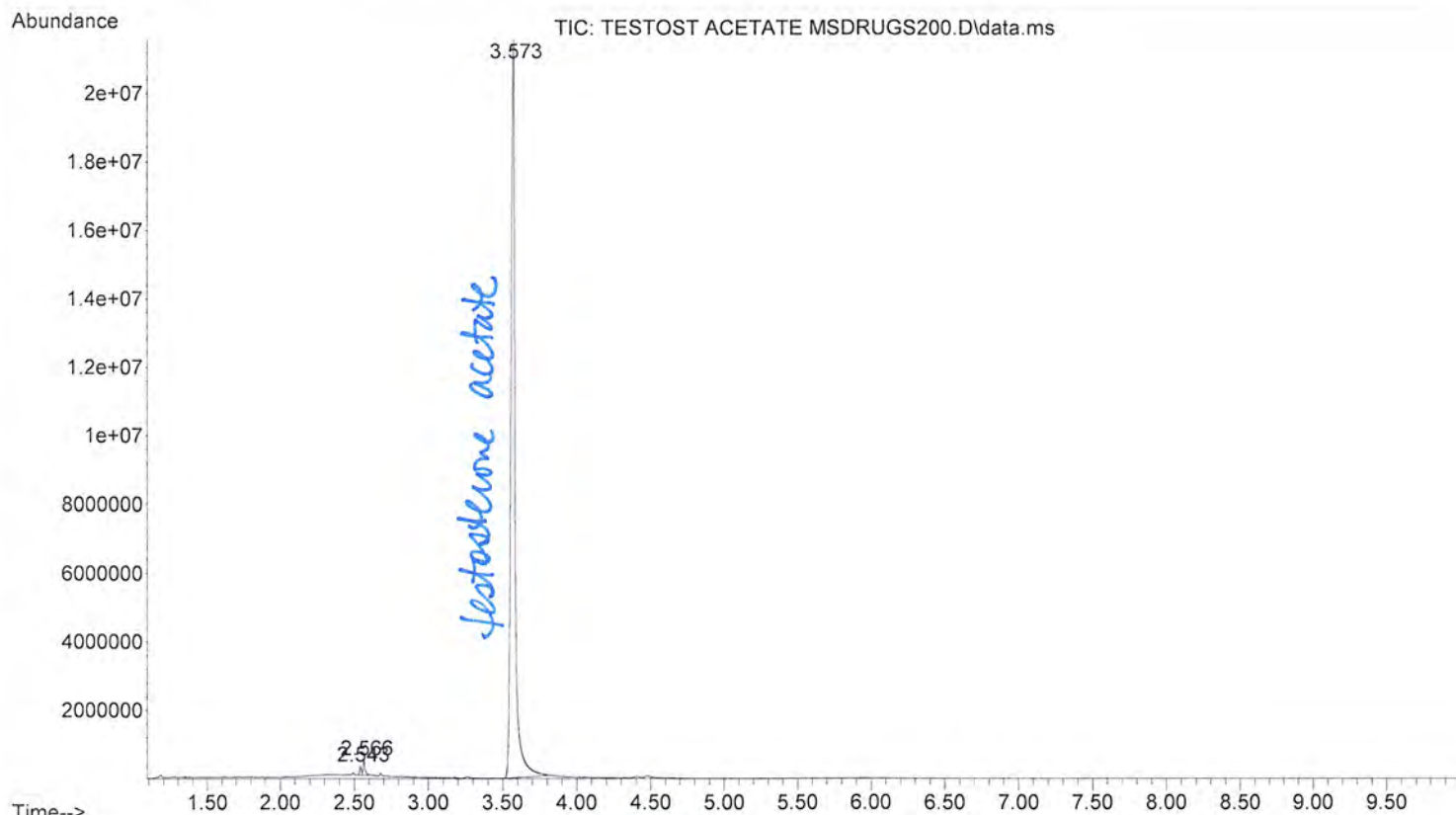
```
File       :D:\MassHunter\GCMS\1\data\Standards --\MSDRUGS200\LSD MSDRUG
...        S200.D
Operator   : JEN BACHMAN
Instrument  : Alma
Acquired   : 10 Nov 2022  09:43      using AcqMethod MSDRUGS200.M
Sample     : LSD MSDRUGS200
Misc Info  : MEOH
```



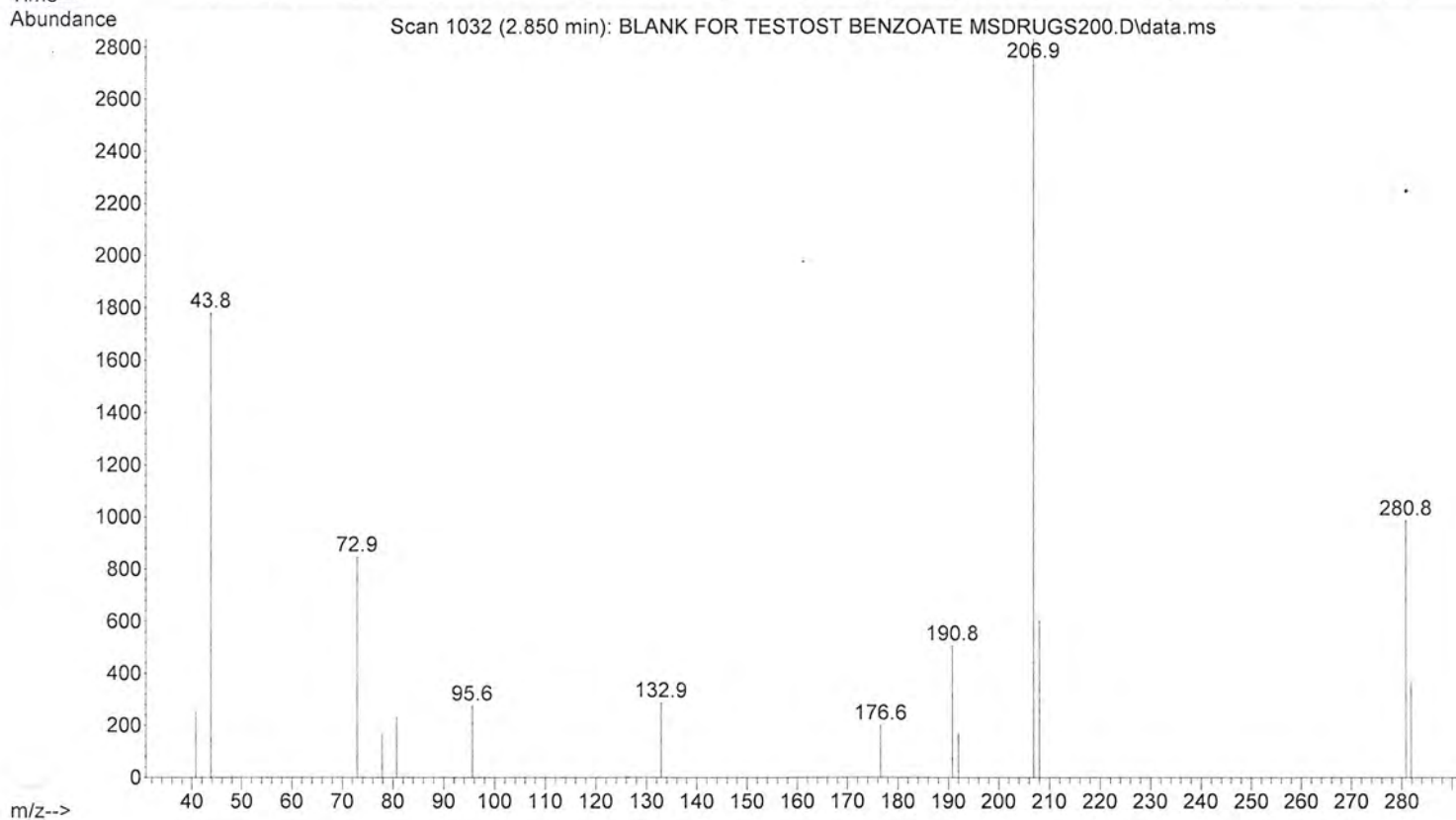
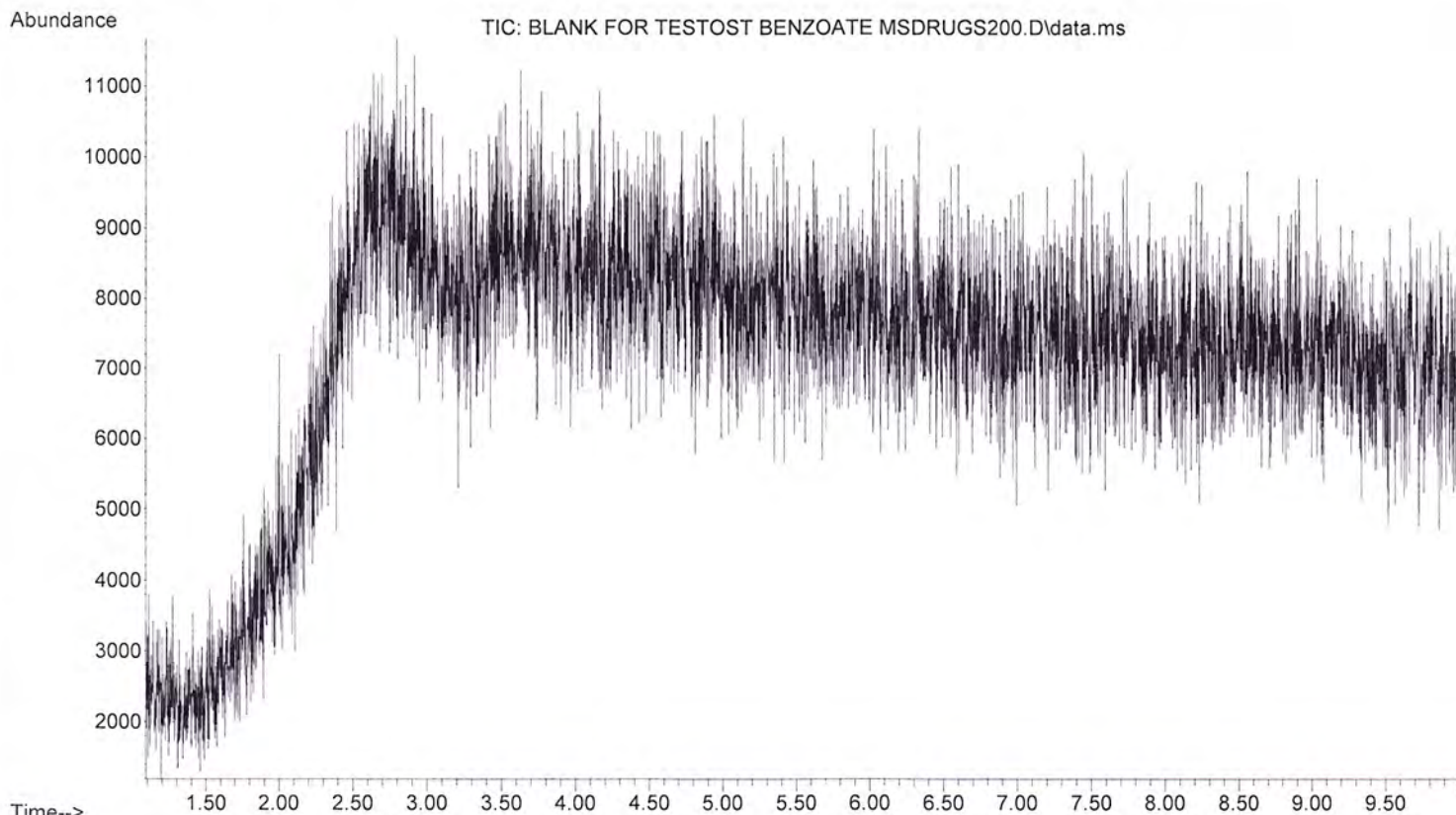
File :D:\MassHunter\GCMS\1\data\Standards --\MSDRUGS200\BLANK FOR
... TESTOST ACETATE MSDRUGS200.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 10 Nov 2022 10:06 using AcqMethod MSDRUGS200.M
Sample Name: BLANK FOR TESTOST ACETATE MSDRUGS200
Misc Info : MeOH



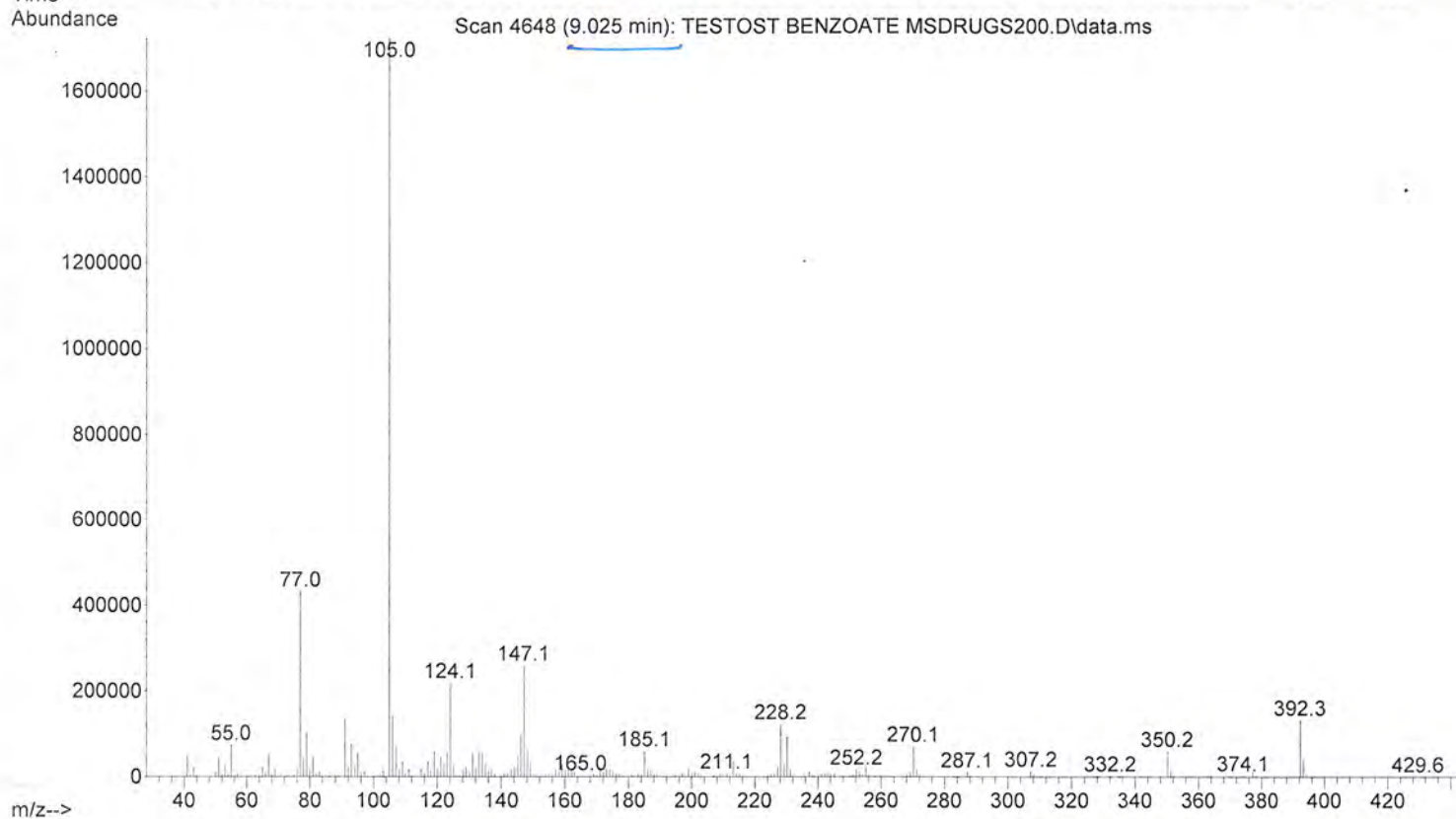
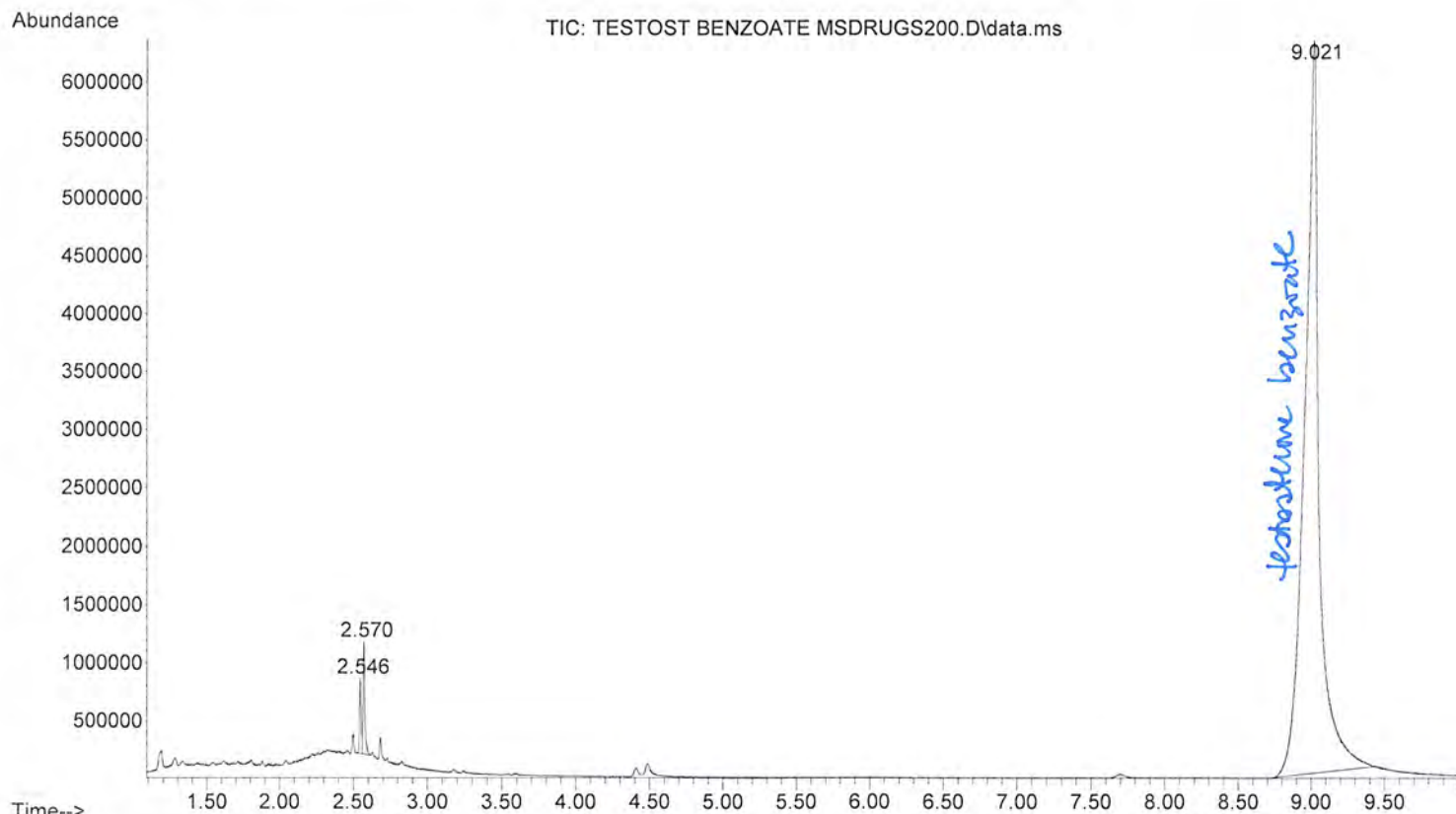
File :D:\MassHunter\GCMS\1\data\Standards --\MSDRUGS200\TESTOST AC
... ETATE MSDRUGS200.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 10 Nov 2022 10:18 using AcqMethod MSDRUGS200.M
Sample Name: TESTOST ACETATE MSDRUGS200
Misc Info : MEOH



File :D:\MassHunter\GCMS\1\data\Standards --\MSDRUGS200\BLANK FOR
... TESTOST BENZOATE MSDRUGS200.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 10 Nov 2022 10:41 using AcqMethod MSDRUGS200.M
Sample Name: BLANK FOR TESTOST BENZOATE MSDRUGS200
Misc Info : MeOH



File :D:\MassHunter\GCMS\1\data\Standards --\MSDRUGS200\TESTOST BE
... NZOATE MSDRUGS200.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 10 Nov 2022 10:53 using AcqMethod MSDRUGS200.M
Sample Name: TESTOST BENZOATE MSDRUGS200
Misc Info : MEOH



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

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

Tue Nov 29 11:50:57 2022

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 10.013 min
Post Run Time 0 min

Oven
Temperature
Setpoint On
(Initial) 60 °C
Hold Time 1 min
Post Run 70 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 5.87 min

Equilibration Time 0.25 min
Max Temperature 325 °C
Maximum 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 4 µL
Solvent B Washes (PreInj) 0
Solvent B Washes (PostInj) 0
Solvent B Volume 4 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 3000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 3000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.5 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	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	0.2 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 300 °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	0.57353 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
Setpoint	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	
Setpoint	On
(Initial)	8.5 psi
Post Run	10 psi

Column Information	Agilent 19091S-913
Description	HP-1ms
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: US2227M017

Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
34.899	:	REPELLER	
90.331	:	IONFOCUS	
27.717	:	ENTRANCE_LENS	
1057.682	:	EMVOLTS	
			1094.9 : Actual EMV
			1.00 : GAIN FACTOR
3306.000	:	AMUGAIN	
141.563	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
9.621	:	ENTLENDOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
507.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT 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
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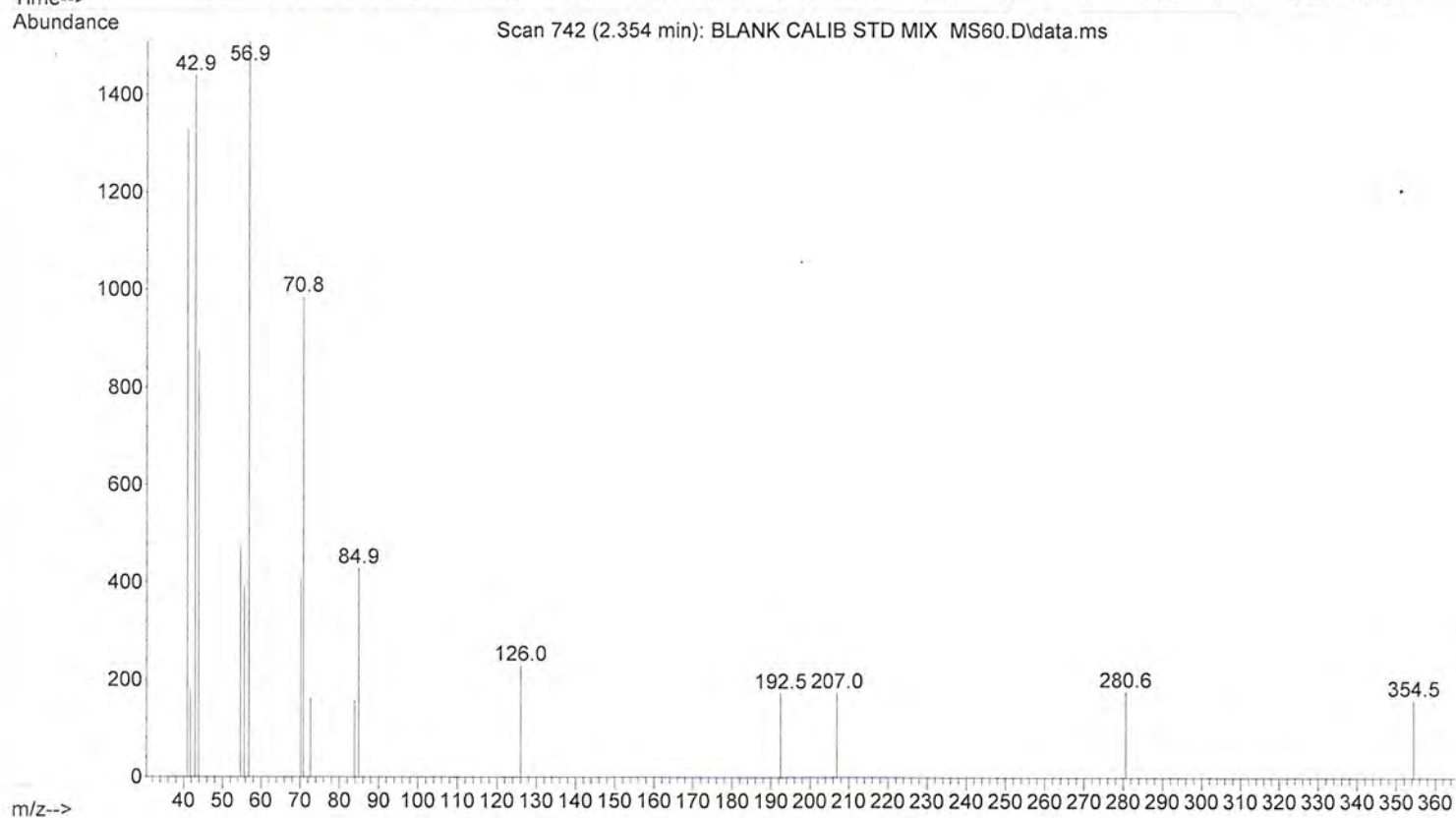
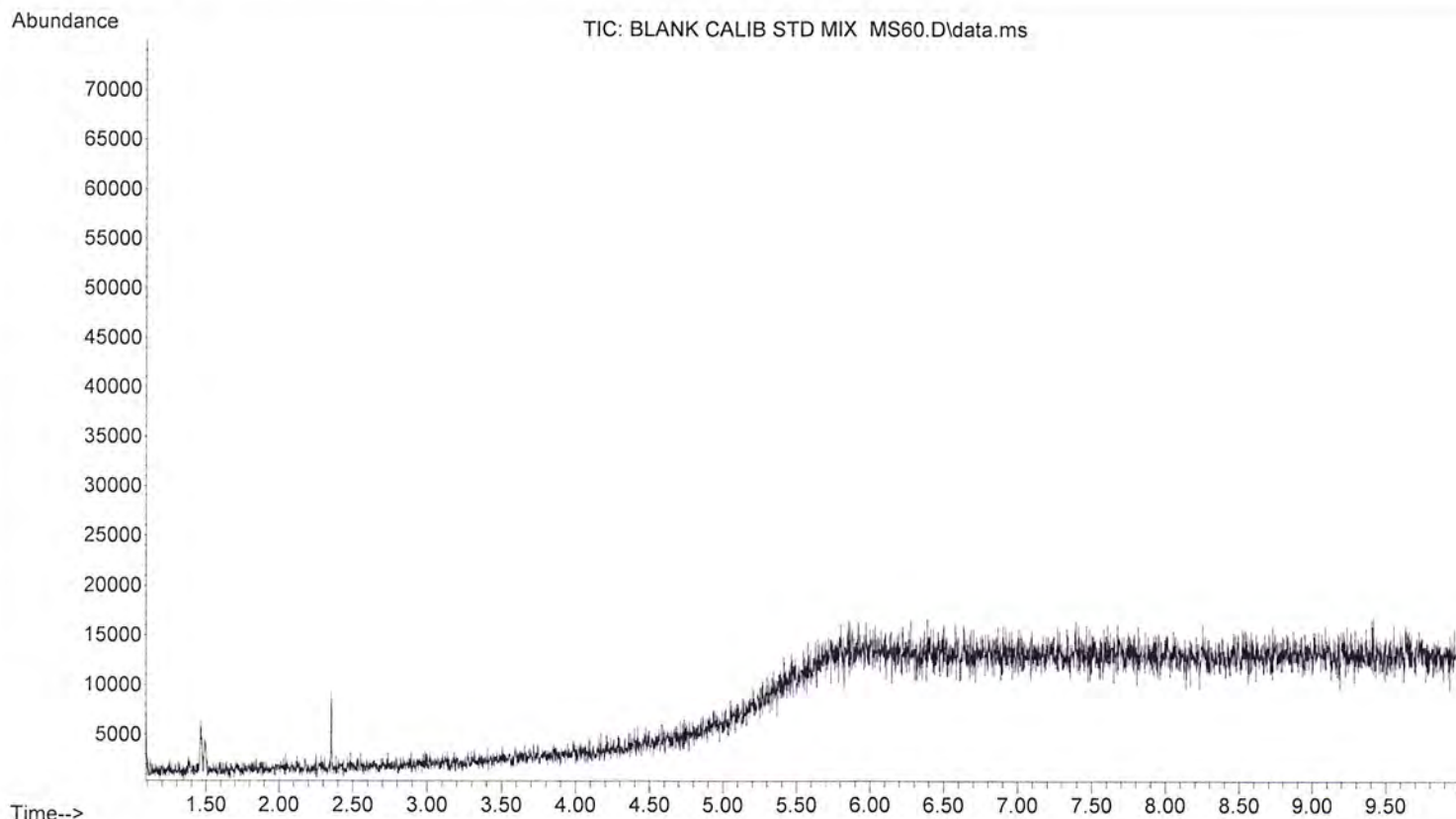
Real-Time Plots

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

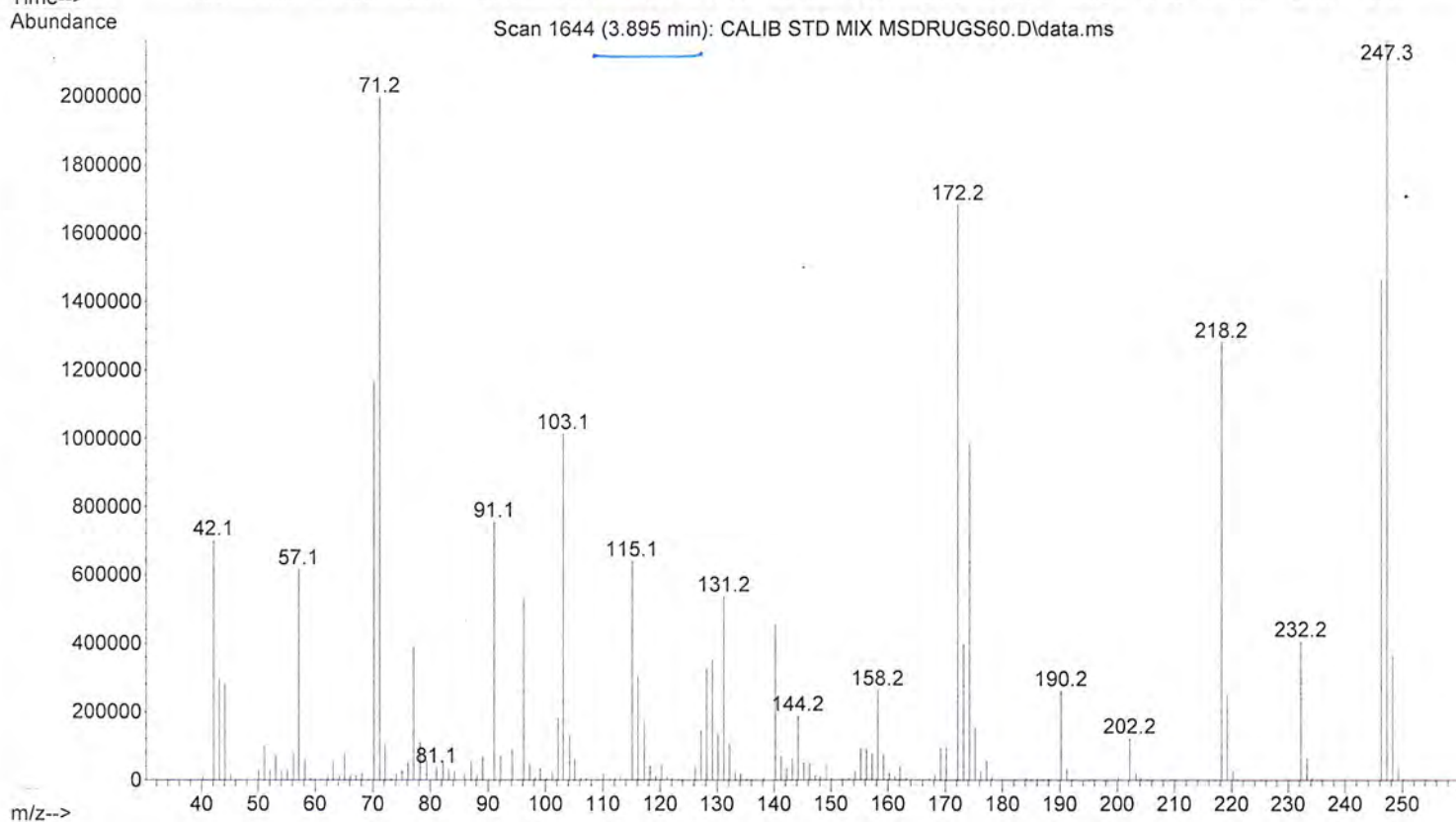
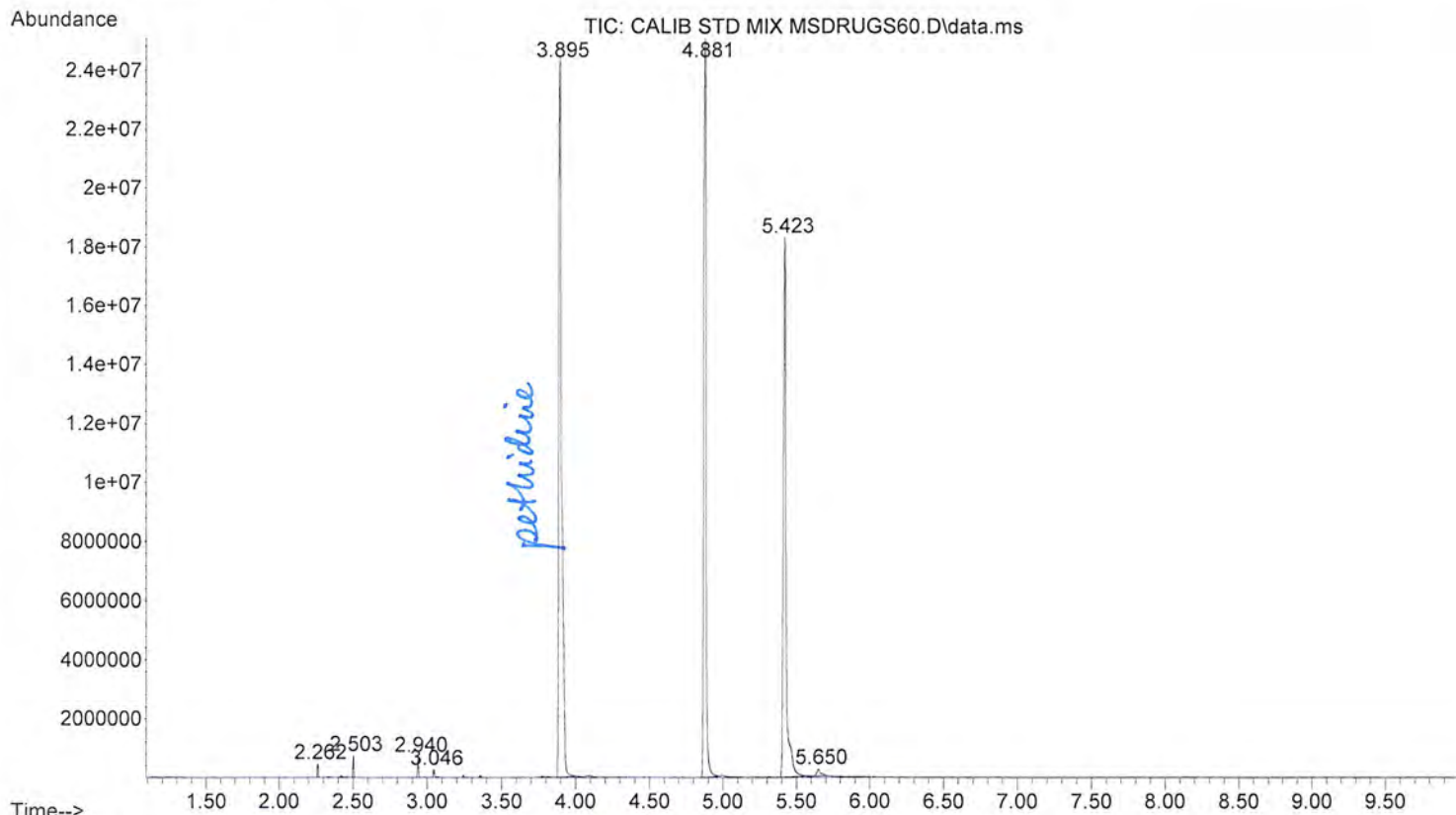
Self-Cleaning Ion Source Parameters

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

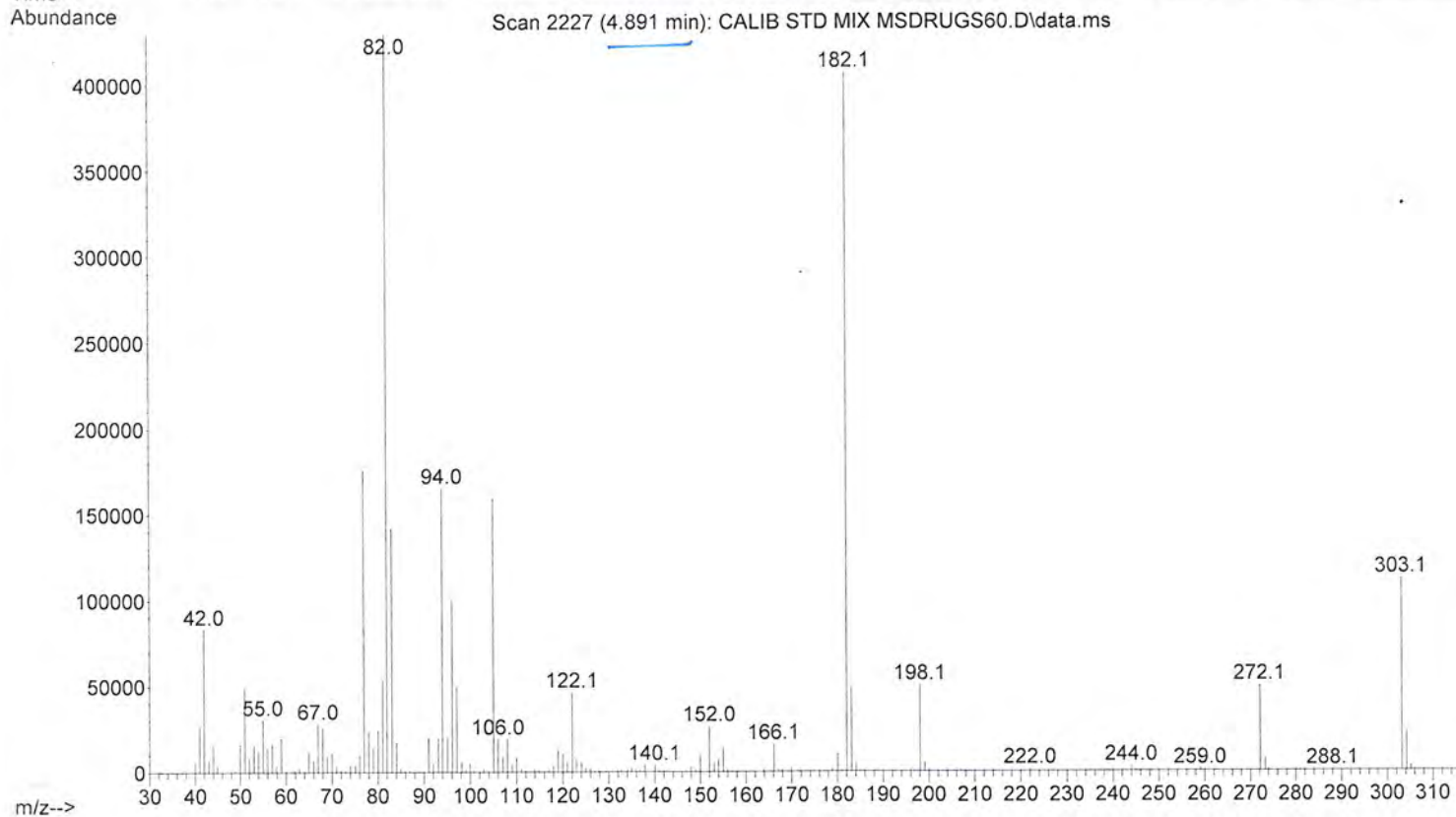
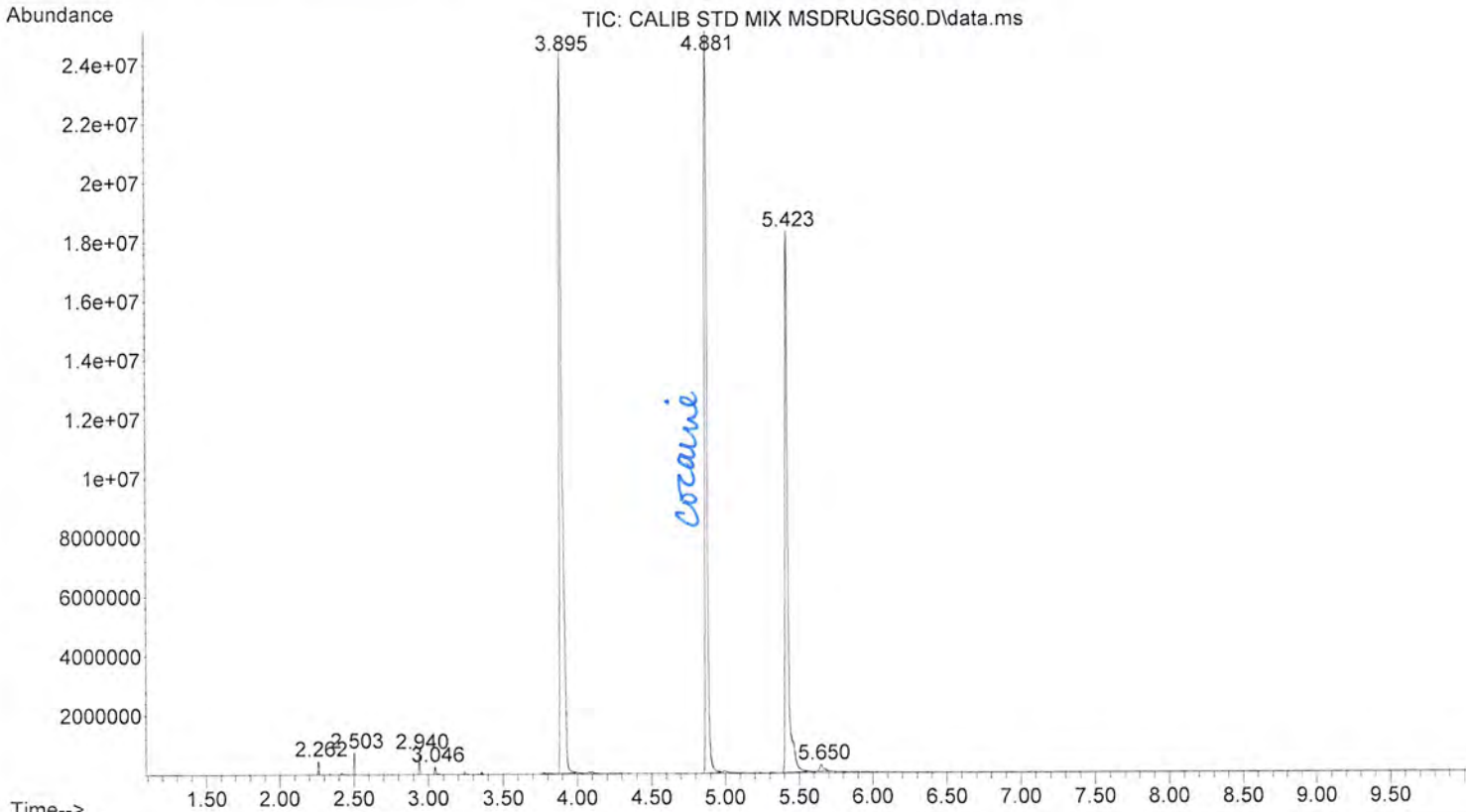
File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGS60\BLANK CAL
... IB STD MIX MS60.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 04 Nov 2022 10:23 using AcqMethod ASMSDRUGS60.M
Sample Name: BLANK FOR CALIBRATION STD MIX
Misc Info : MeOH



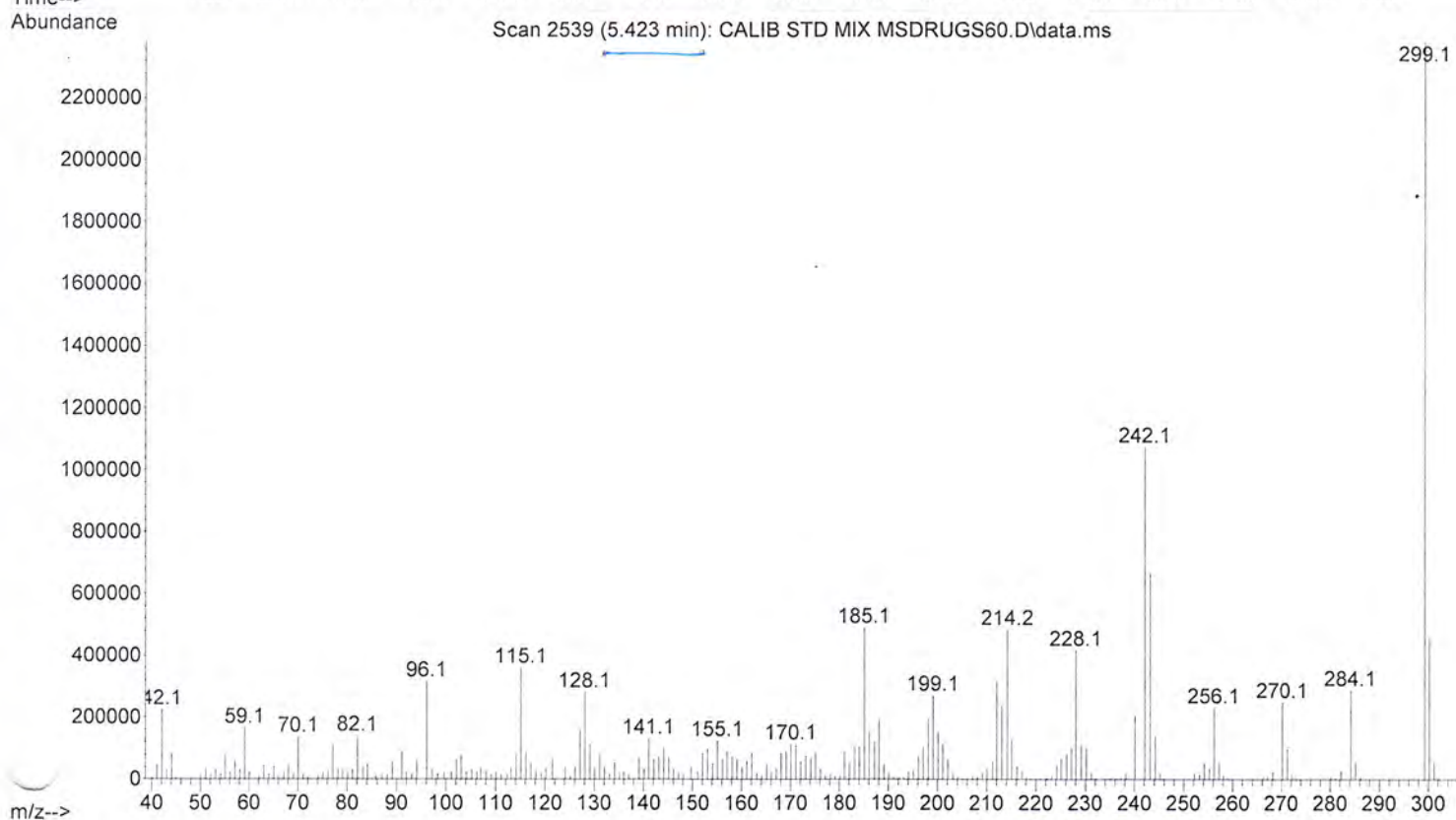
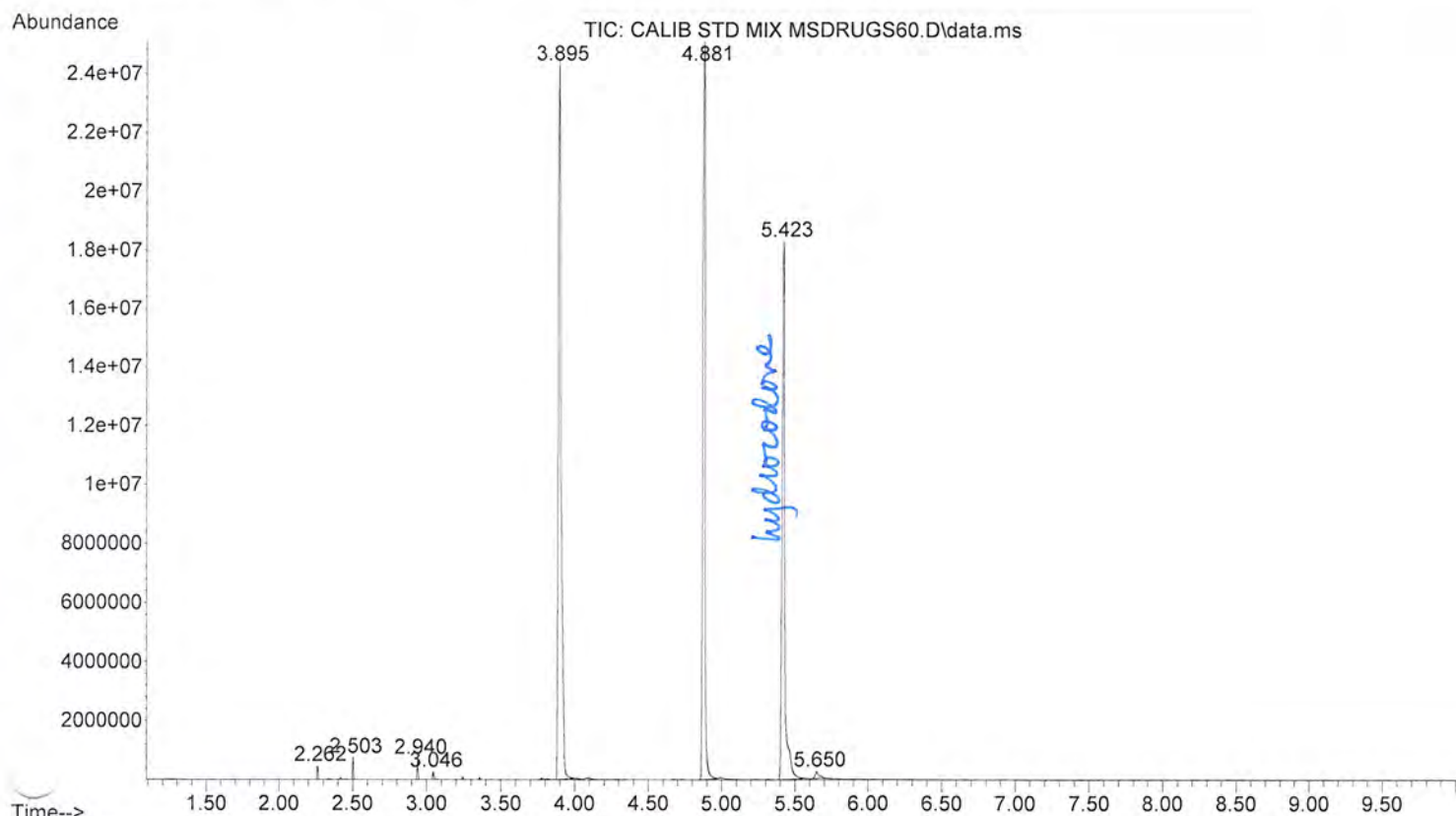
File :D:\MassHunter\GCMS\1\data\Standards --\MSDRUGS60\CALIB STD M
... IX MSDRUGS60.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 10 Nov 2022 11:32 using AcqMethod MSDRUGS60.M
Sample Name: CALIB STD MIX MSDRUGS60
Misc Info : MeOH



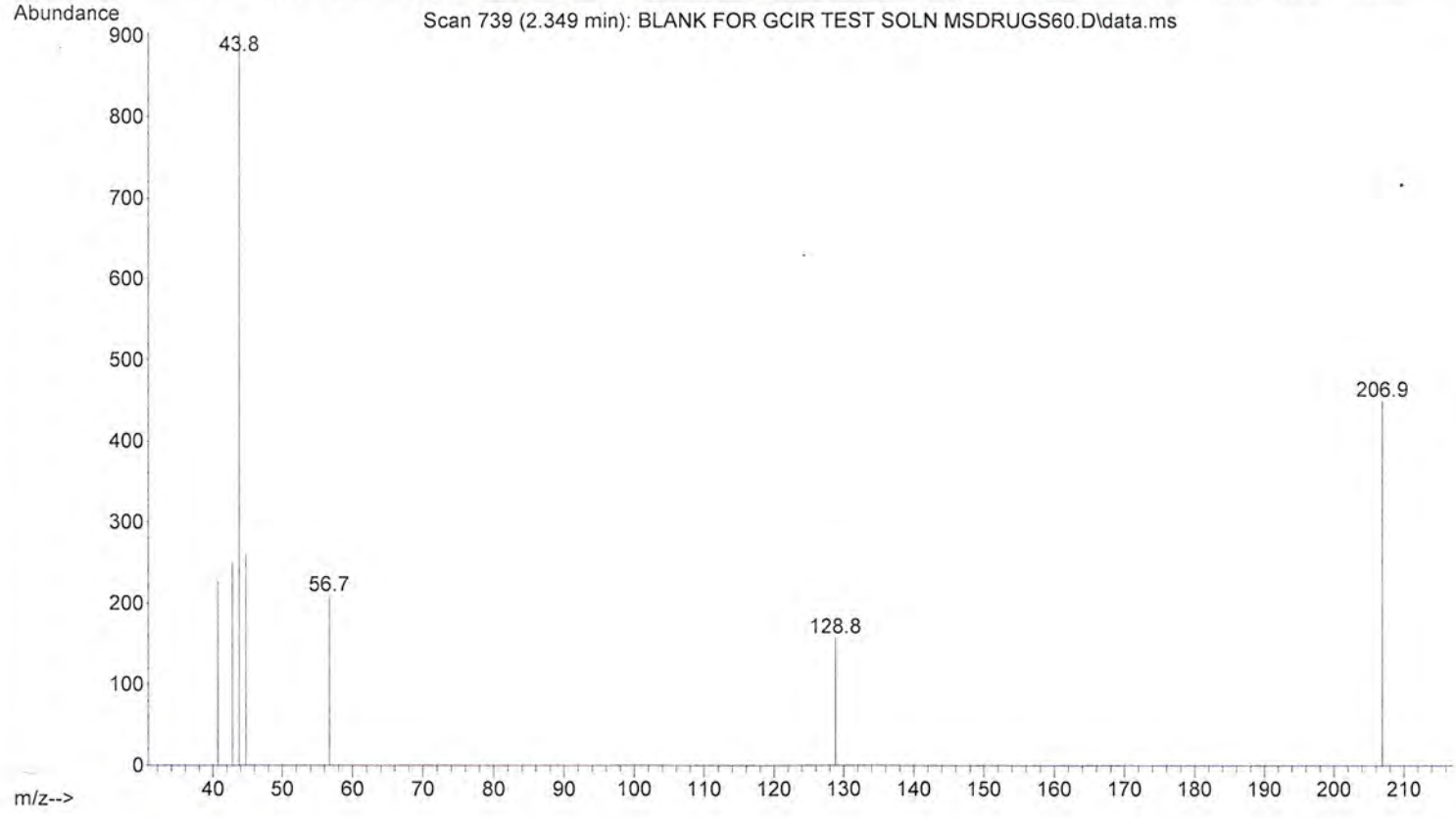
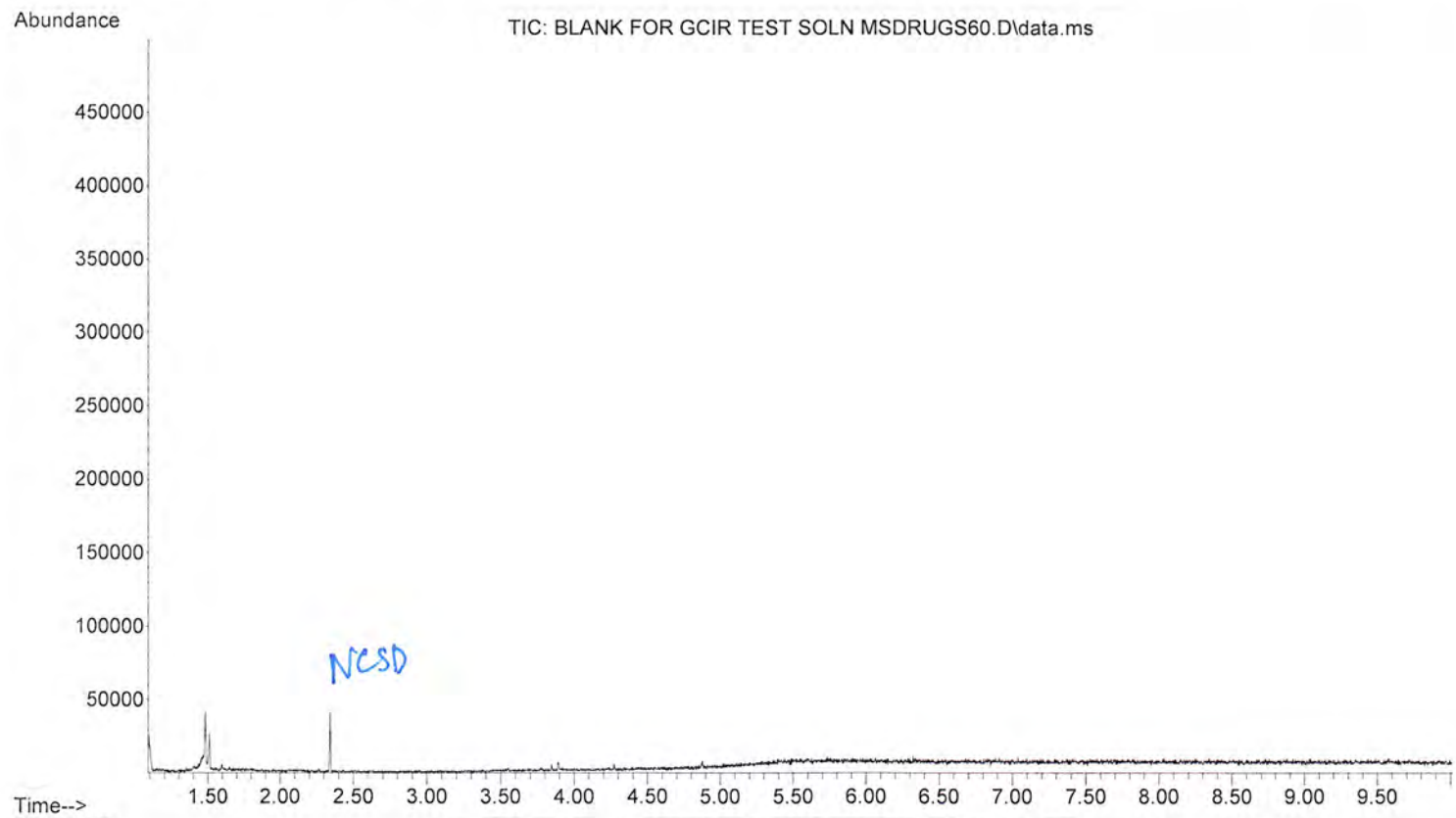
File :D:\MassHunter\GCMS\1\data\Standards --\MSDRUGS60\CALIB STD M
... IX MSDRUGS60.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 10 Nov 2022 11:32 using AcqMethod MSDRUGS60.M
Sample Name: CALIB STD MIX MSDRUGS60
Misc Info : MeOH



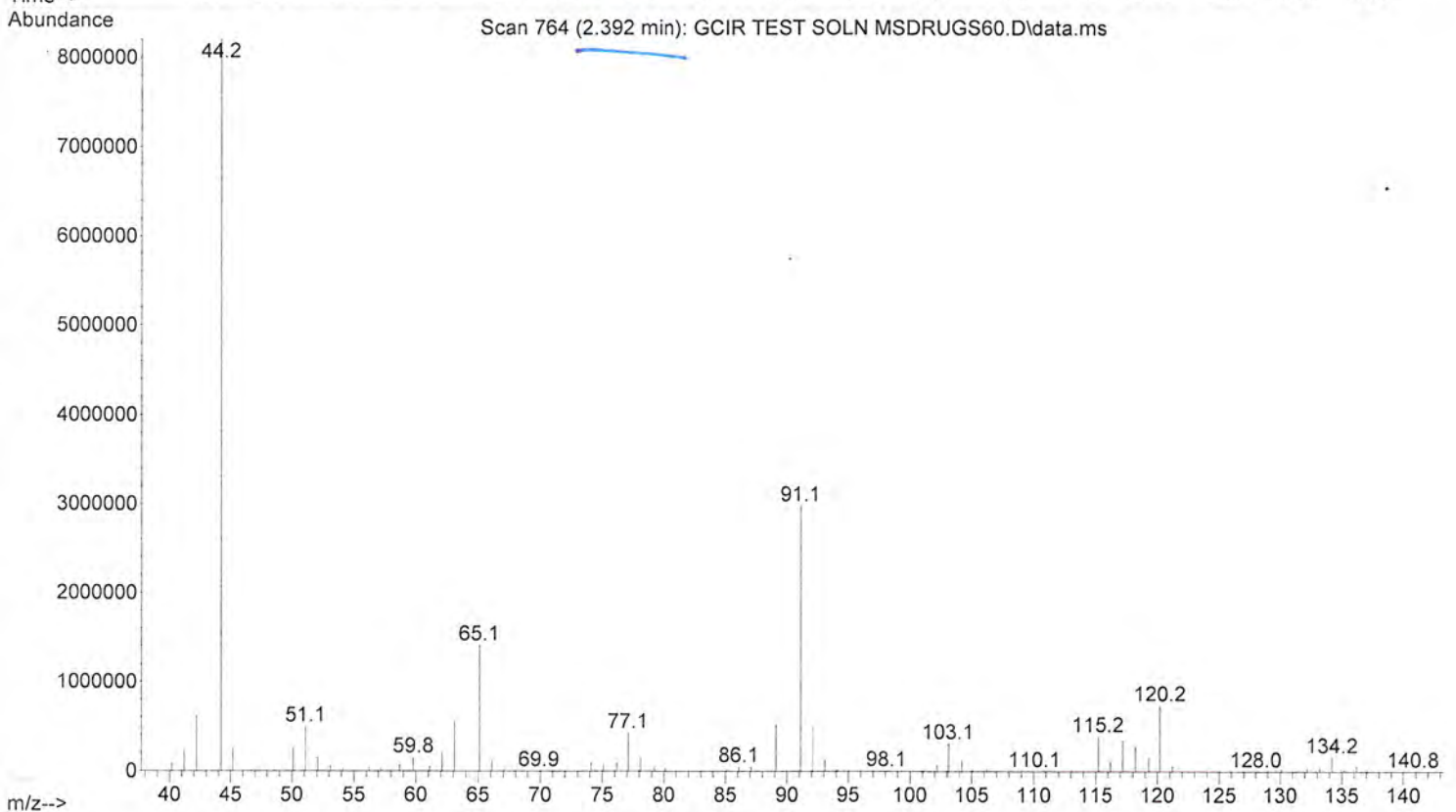
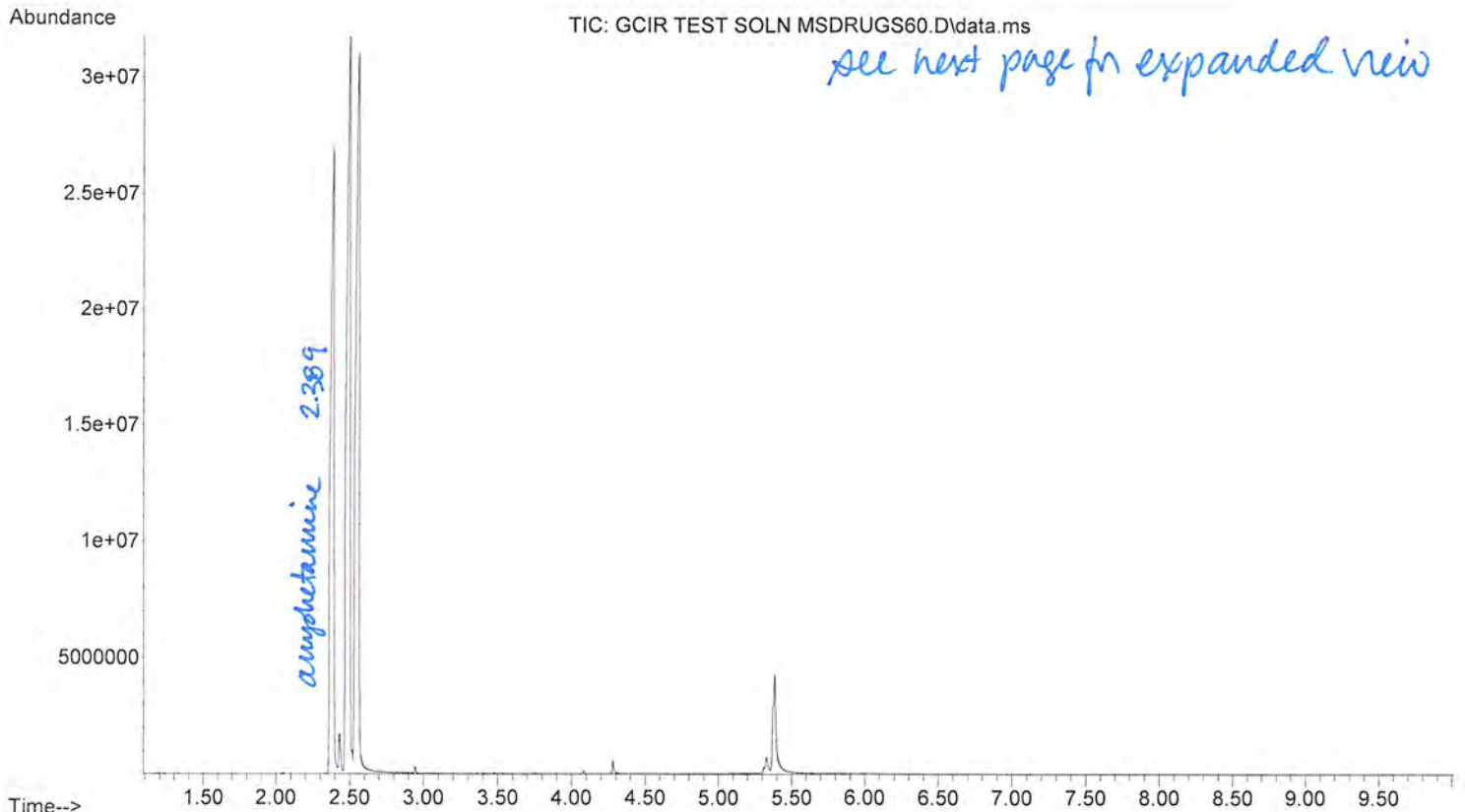
File :D:\MassHunter\GCMS\1\data\Standards --\MSDRUGS60\CALIB STD M
... IX MSDRUGS60.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 10 Nov 2022 11:32 using AcqMethod MSDRUGS60.M
Sample Name: CALIB STD MIX MSDRUGS60
Misc info : MeOH



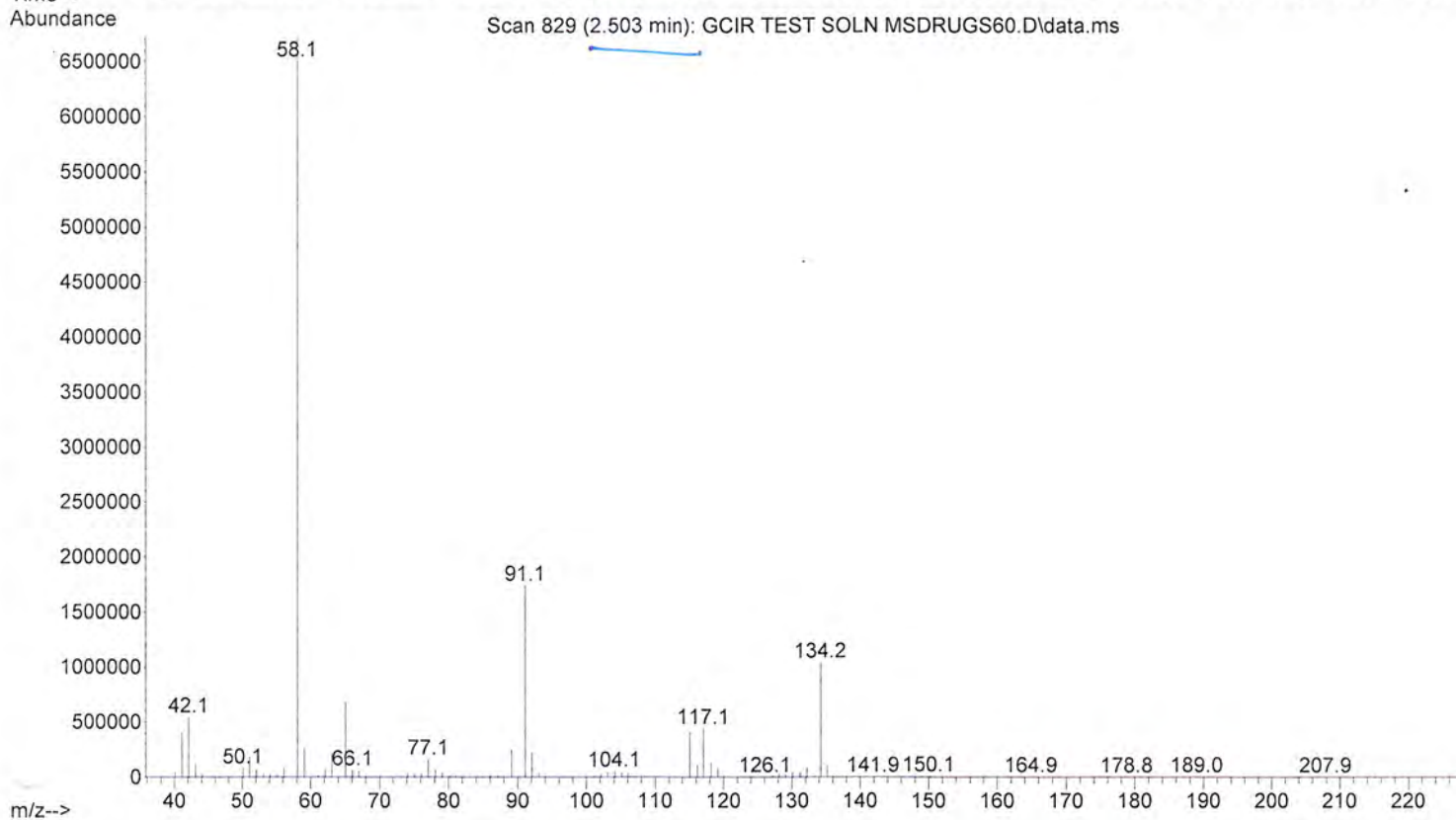
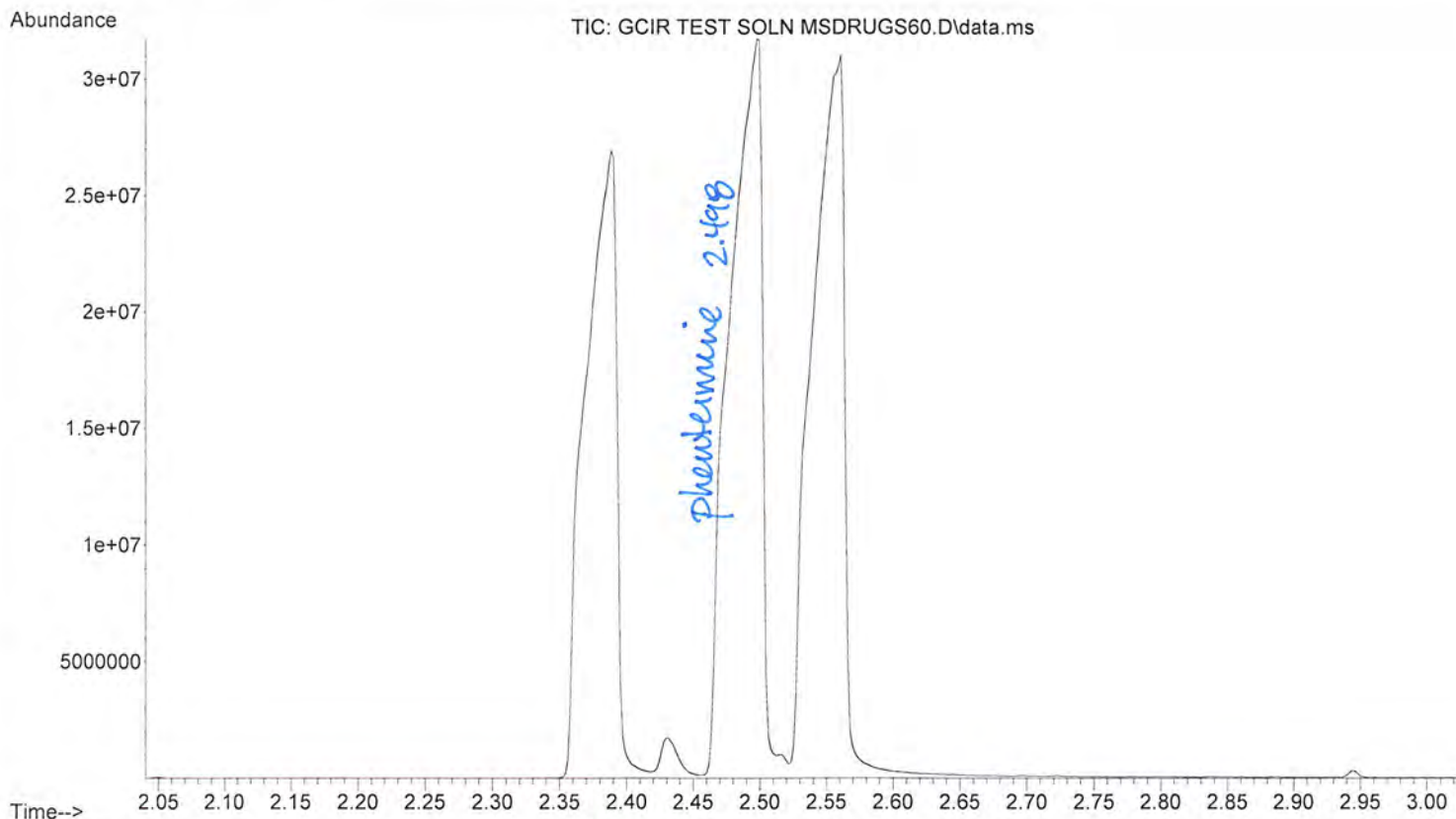
File :D:\MassHunter\GCMS\1\data\Standards --\MSDRUGS60\BLANK FOR G
... CIR TEST SOLN MSDRUGS60.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 10 Nov 2022 11:58 using AcqMethod MSDRUGS60.M
Sample Name: BLANK FOR GCIR TEST SOLN MSDRUGS60
Misc Info : MeOH



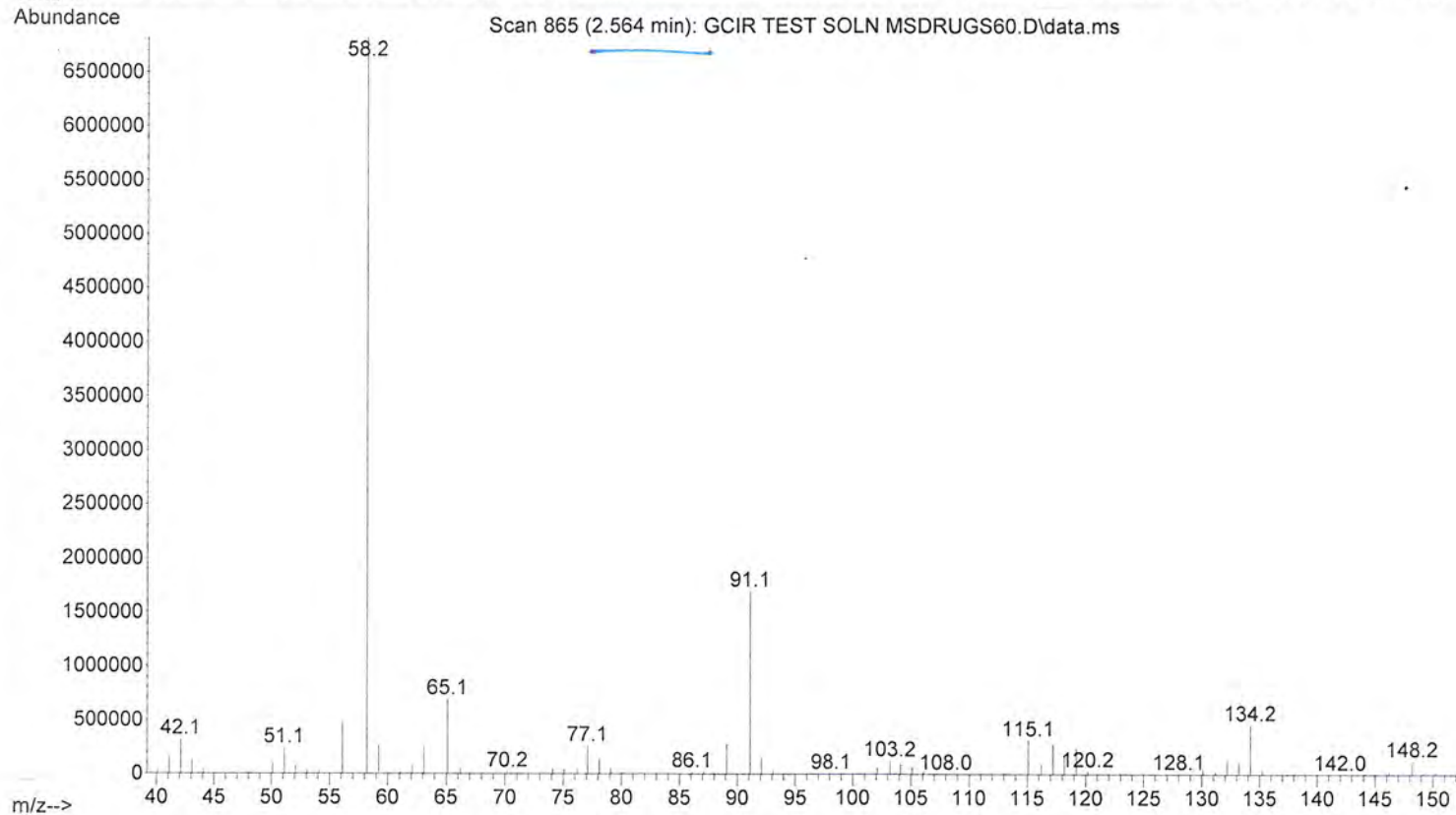
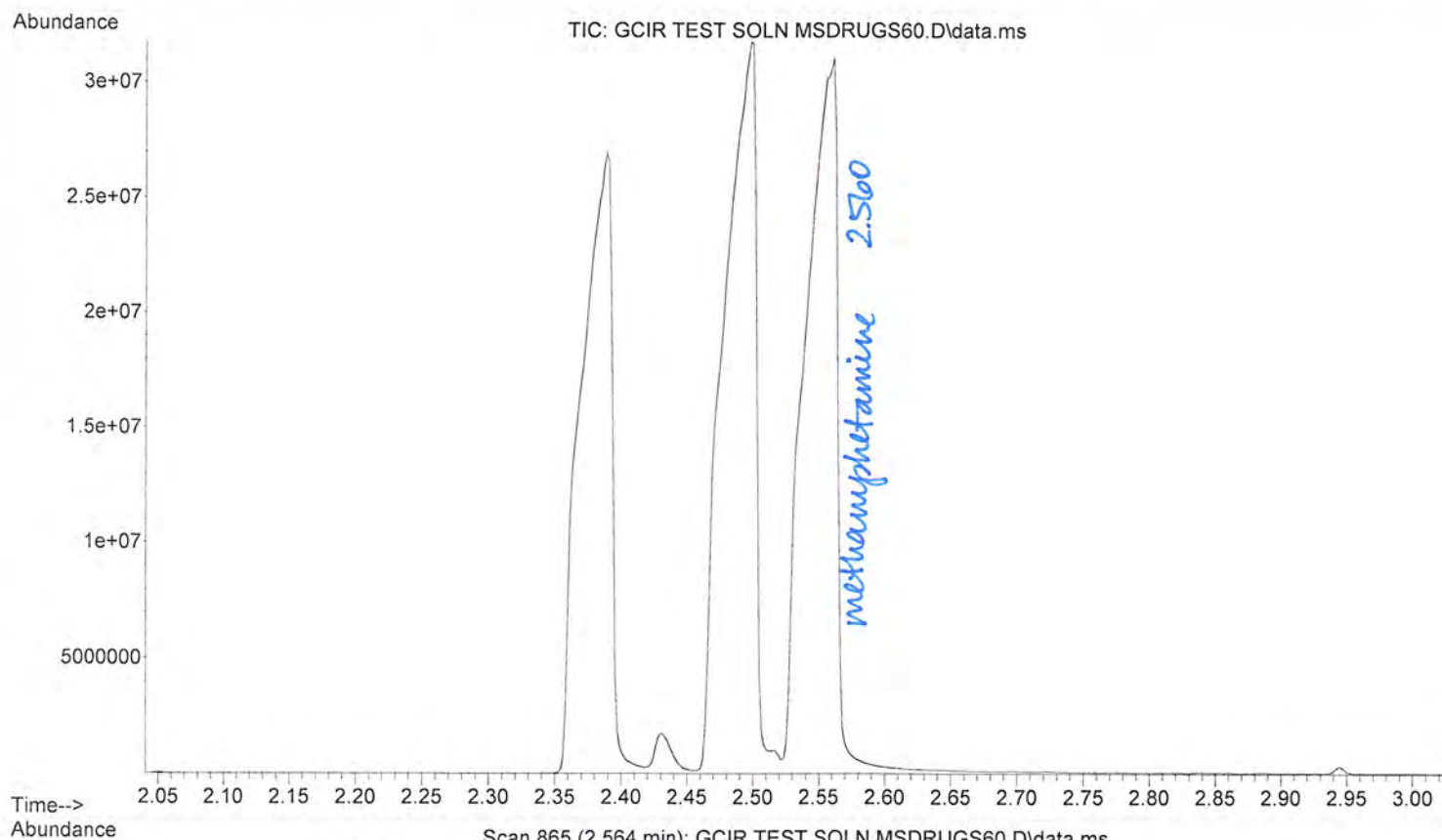
File :D:\MassHunter\GCMS\1\data\Standards --\MSDRUGS60\GCIR TEST 5
... OLN MSDRUGS60.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 10 Nov 2022 12:11 using AcqMethod MSDRUGS60.M
Sample Name: GCIR TEST SOLN MSDRUGS60
Misc Info : MeOH



File :D:\MassHunter\GCMS\1\data\Standards --\MSDRUGS60\GCIR TEST S
... OLN MSDRUGS60.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 10 Nov 2022 12:11 using AcqMethod MSDRUGS60.M
Sample Name: GCIR TEST SOLN MSDRUGS60
Misc Info : MeOH



File :D:\MassHunter\GCMS\1\data\Standards --\MSDRUGS60\GCIR TEST S
... OLN MSDRUGS60.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 10 Nov 2022 12:11 using AcqMethod MSDRUGS60.M
Sample Name: GCIR TEST SOLN MSDRUGS60
Misc Info : MeOH



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

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

Tue Nov 29 11:52:16 2022

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 70 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 26.43 min

Equilibration Time 0.25 min
Max Temperature 325 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 0
Solvent A Washes (PostInj) 0
Solvent A Volume 4 µL
Solvent B Washes (PreInj) 0
Solvent B Washes (PostInj) 0
Solvent B Volume 4 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 3000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 3000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.5 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	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	0.2 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 300 °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	0.57353 mL/min

Column Information	Agilent 19091S-602
Description	HP-lms
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
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	10 psi

Column Information	Agilent 19091S-913
Description	HP-lms
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: US2227M017

Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
34.899	:	REPELLER	
90.331	:	IONFOCUS	
27.717	:	ENTRANCE_LENS	
1057.682	:	EMVOLTS	
			1094.9 : Actual EMV
			1.00 : GAIN FACTOR
3306.000	:	AMUGAIN	
141.563	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
9.621	:	ENTLENsoffset	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
507.000	:	MASSGAIN	
-25.000	:	MASSoffset	

END OF TUNE PARAMETERS

END OF INSTRUMENT 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
------	---------------	-----------

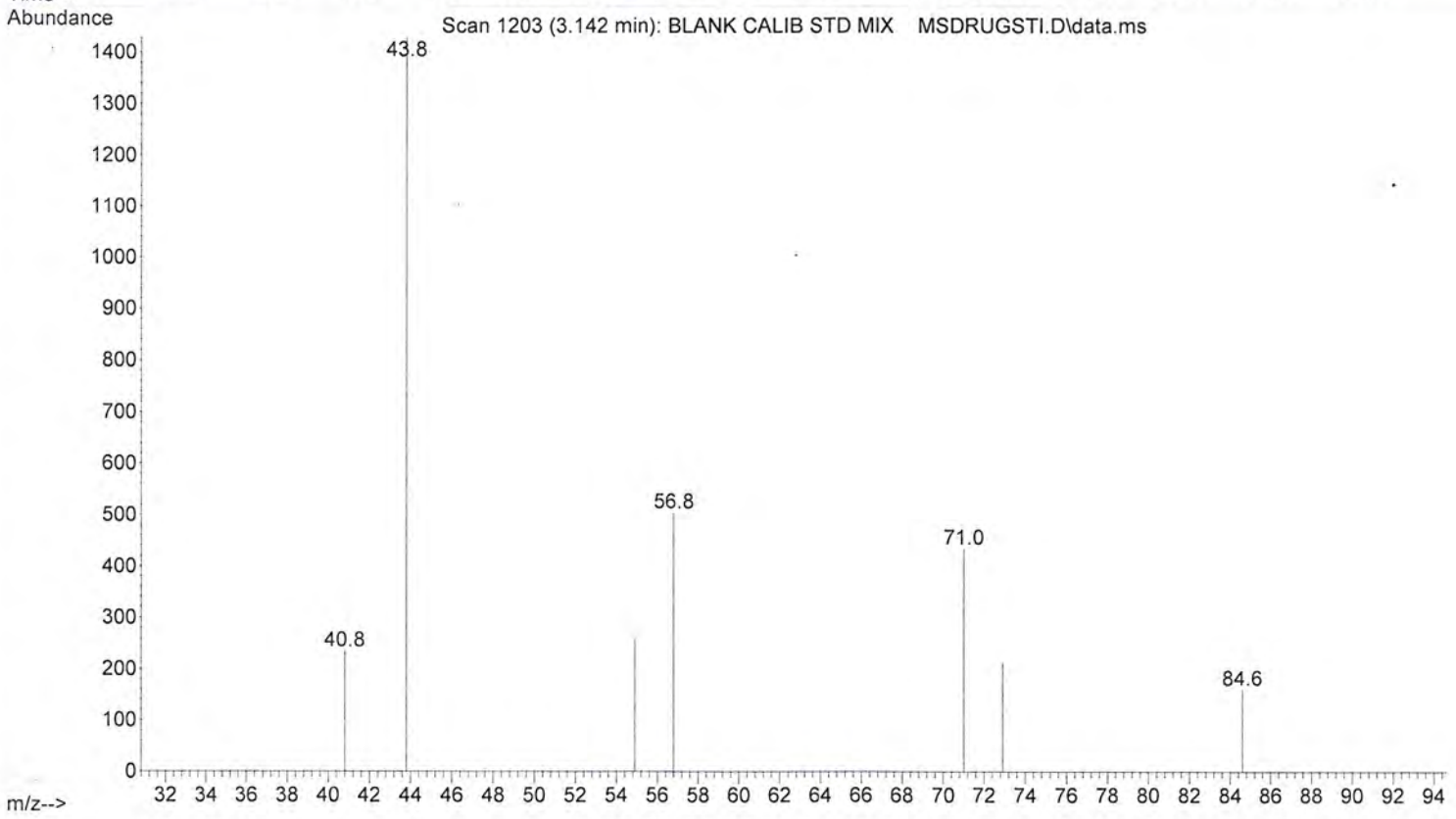
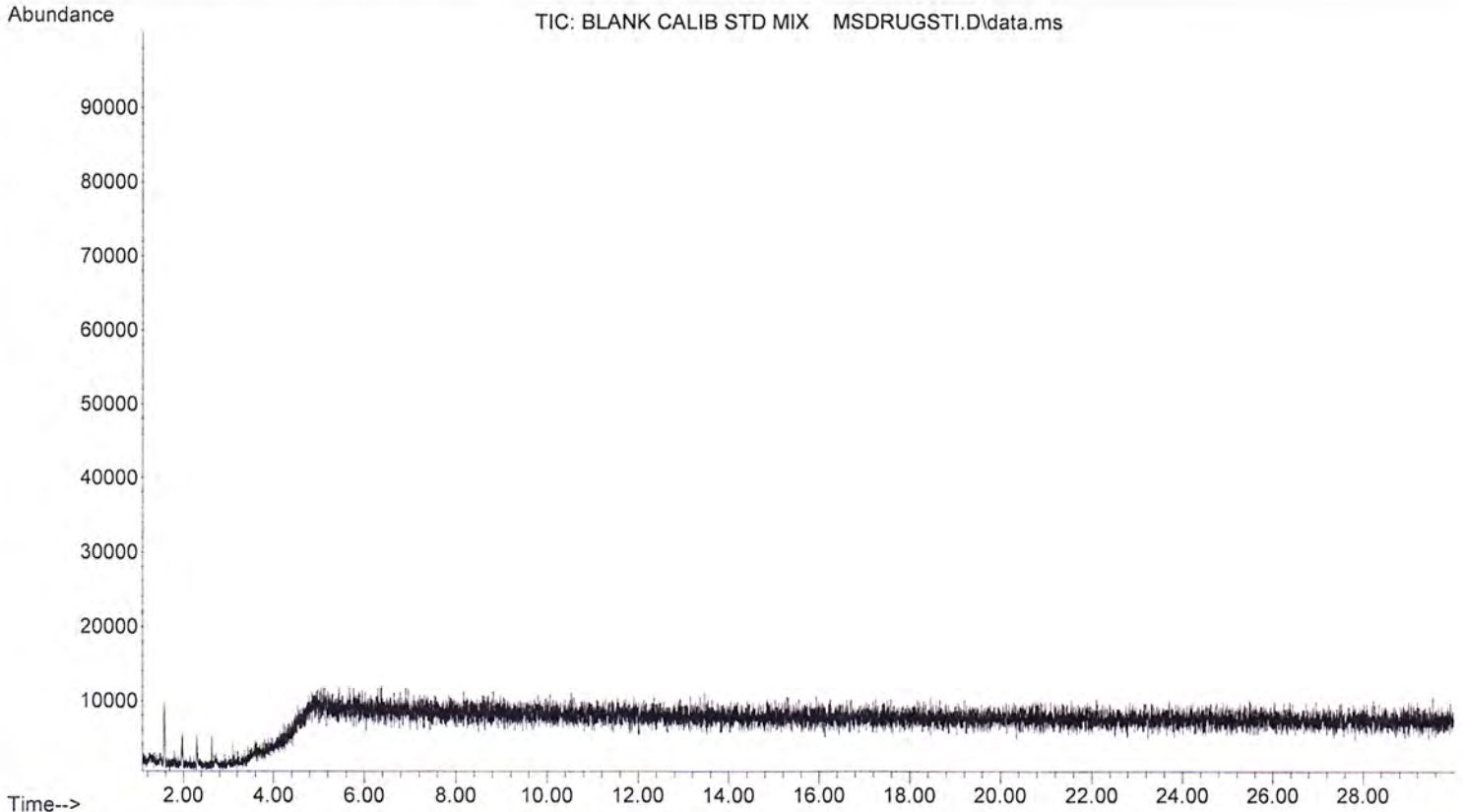
Real-Time Plots

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	50	550

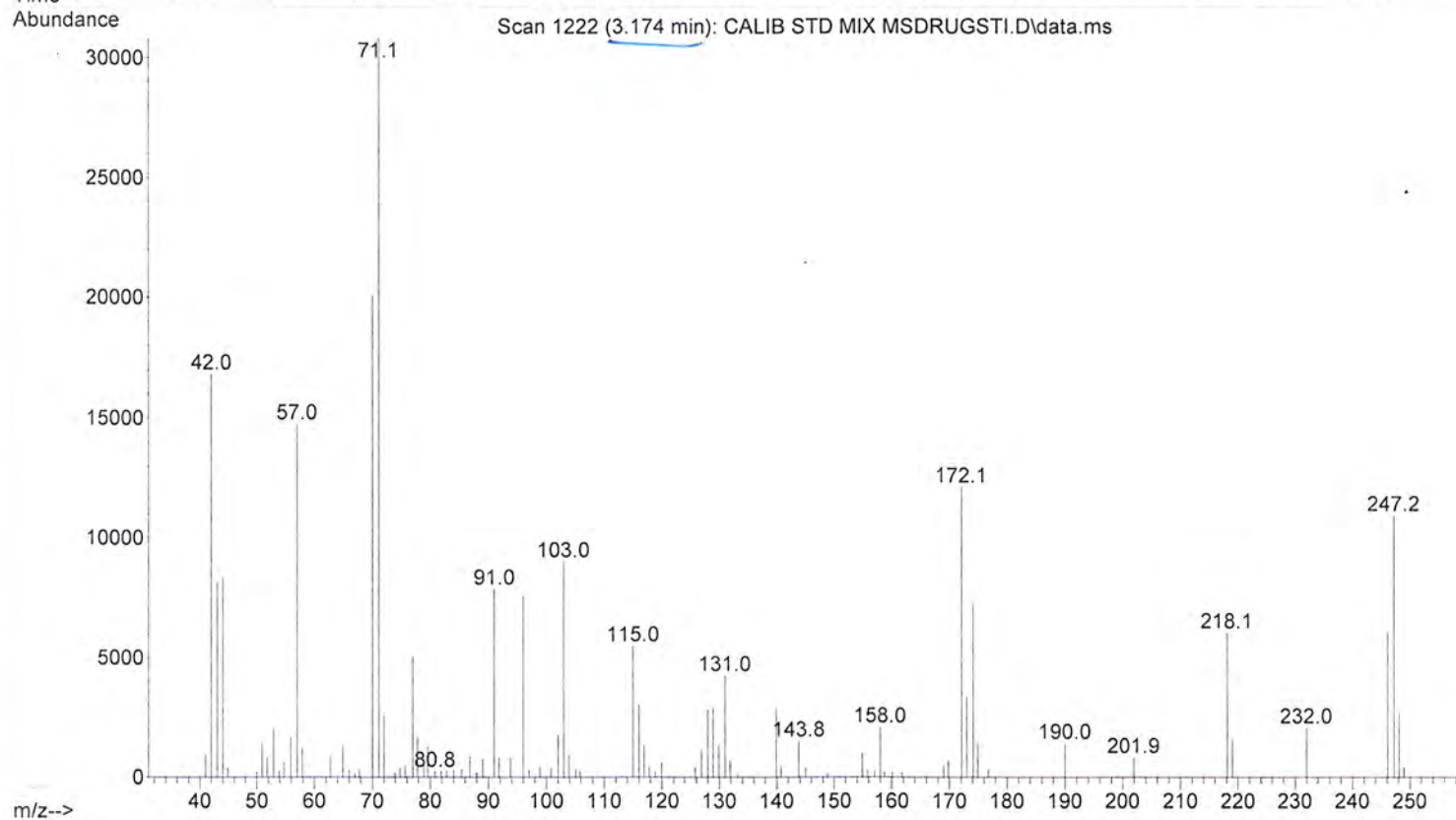
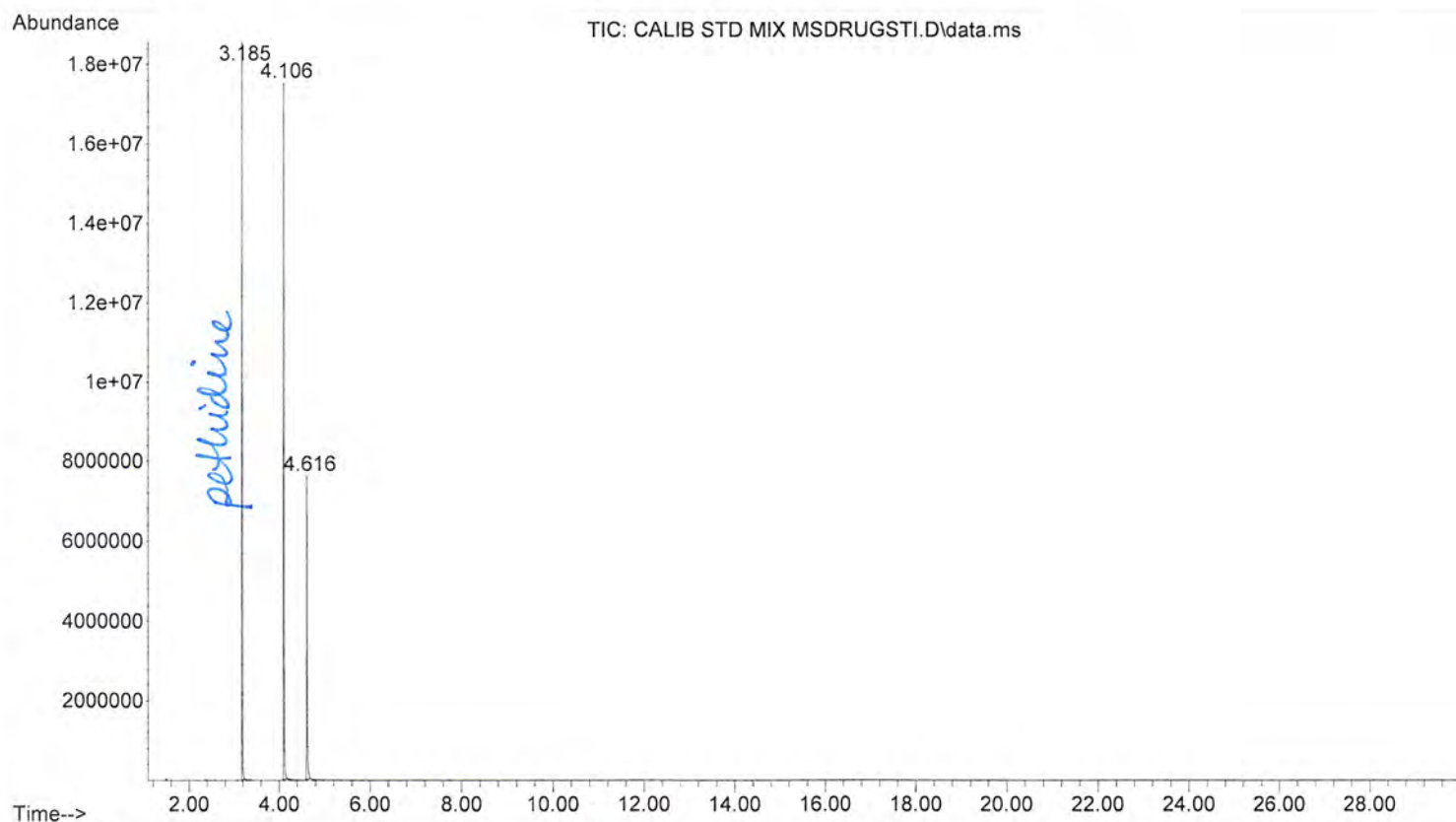
Self-Cleaning Ion Source Parameters

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

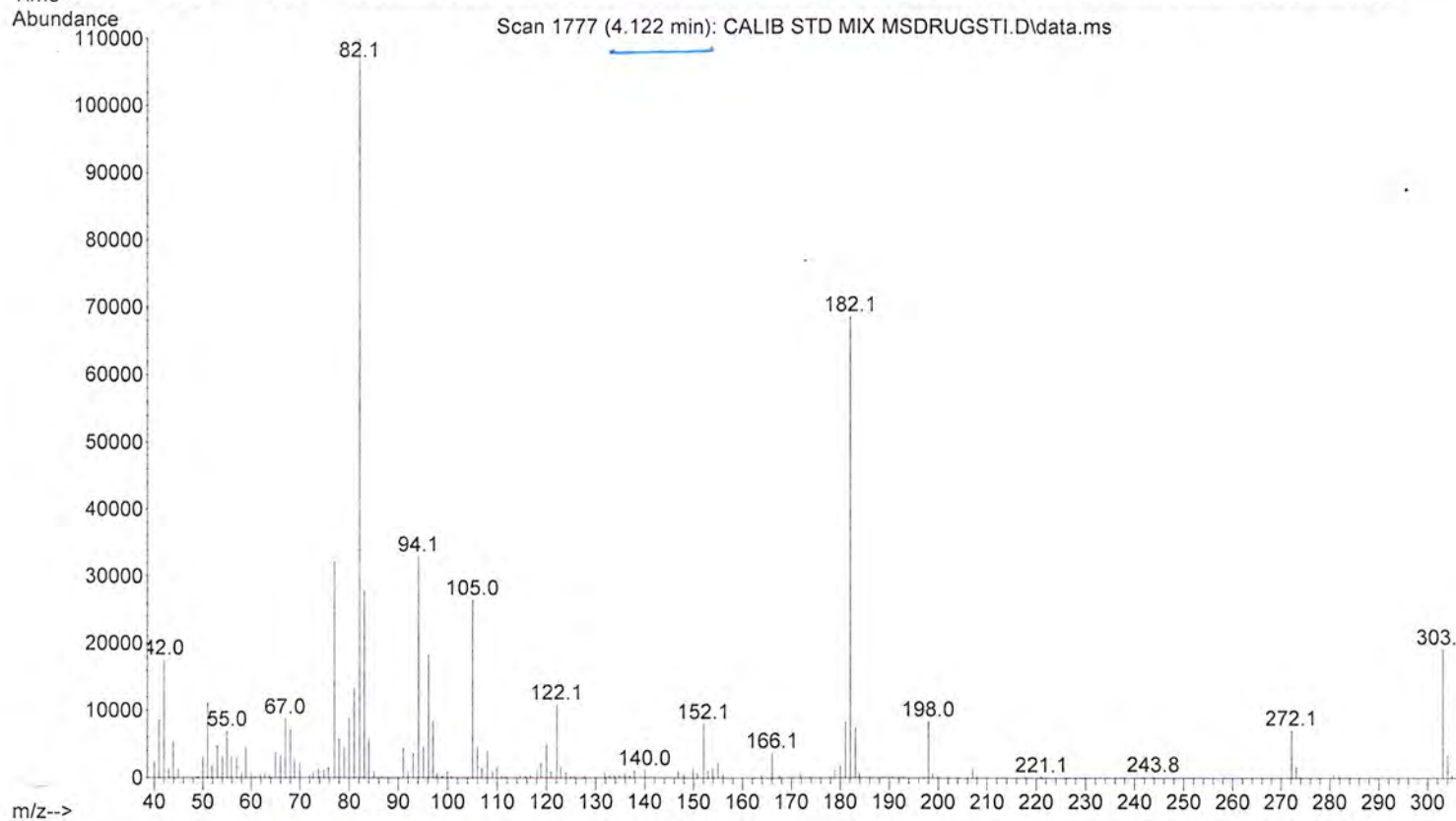
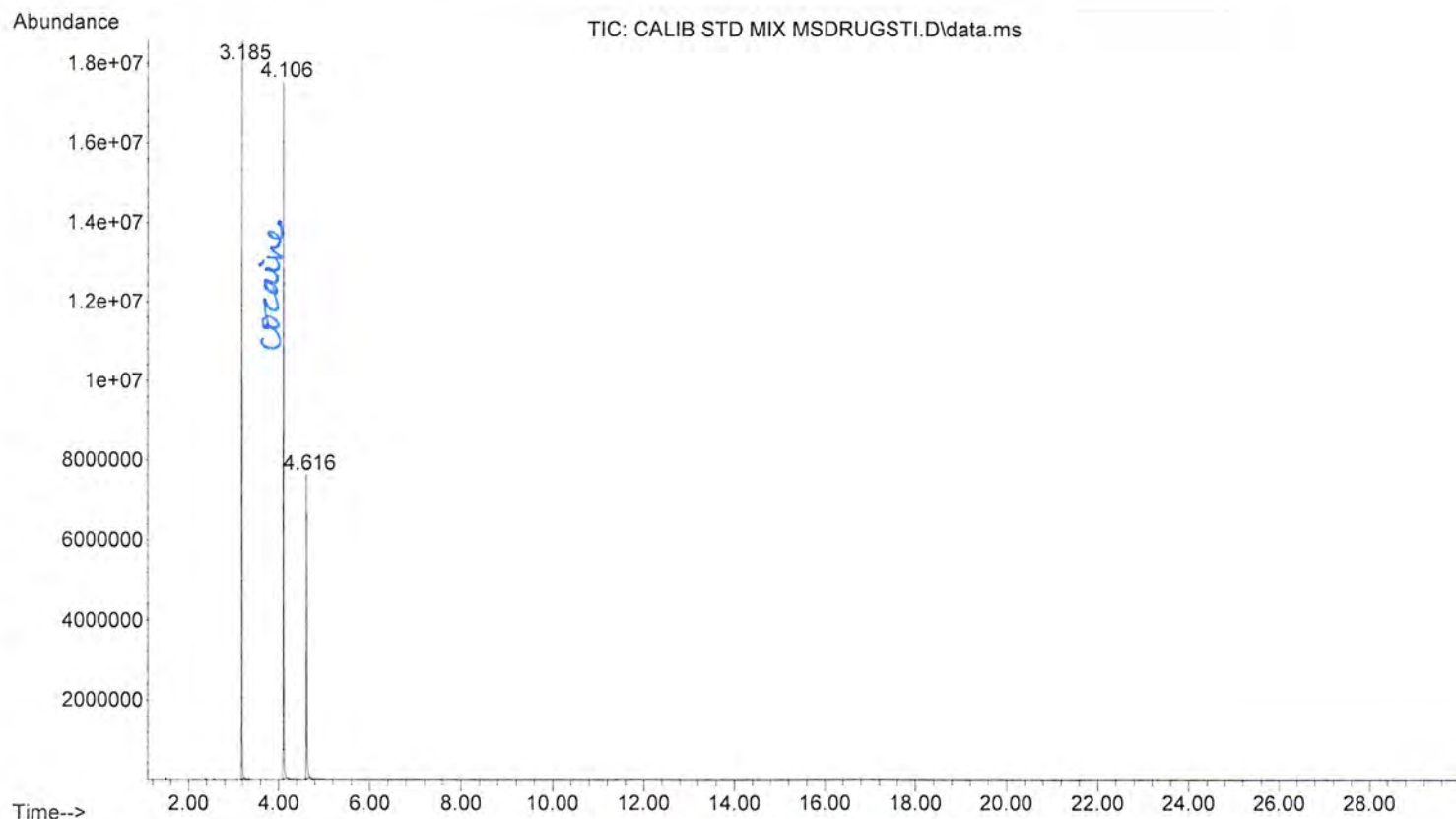
File :D:\MassHunter\GCMS\1\data\Standards --\MSDRUGSTI\BLANK CALIB
... STD MIX MSDRUGSTI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 23 Nov 2022 08:06 using AcqMethod MSDRUGSTI.M
Sample Name: BLANK FOR CALIB STD MIX MSDRUGSTI
Misc : MeOH



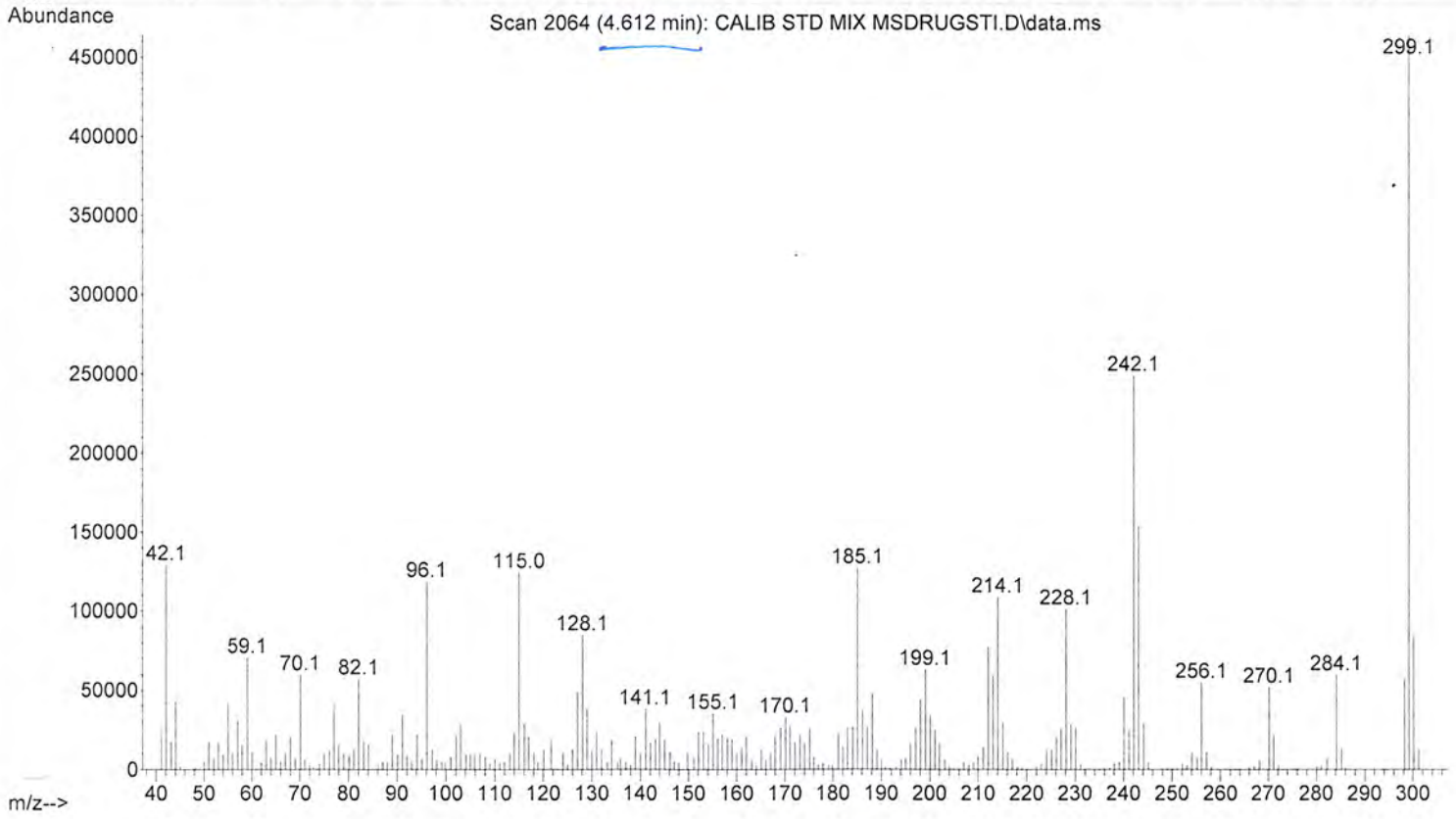
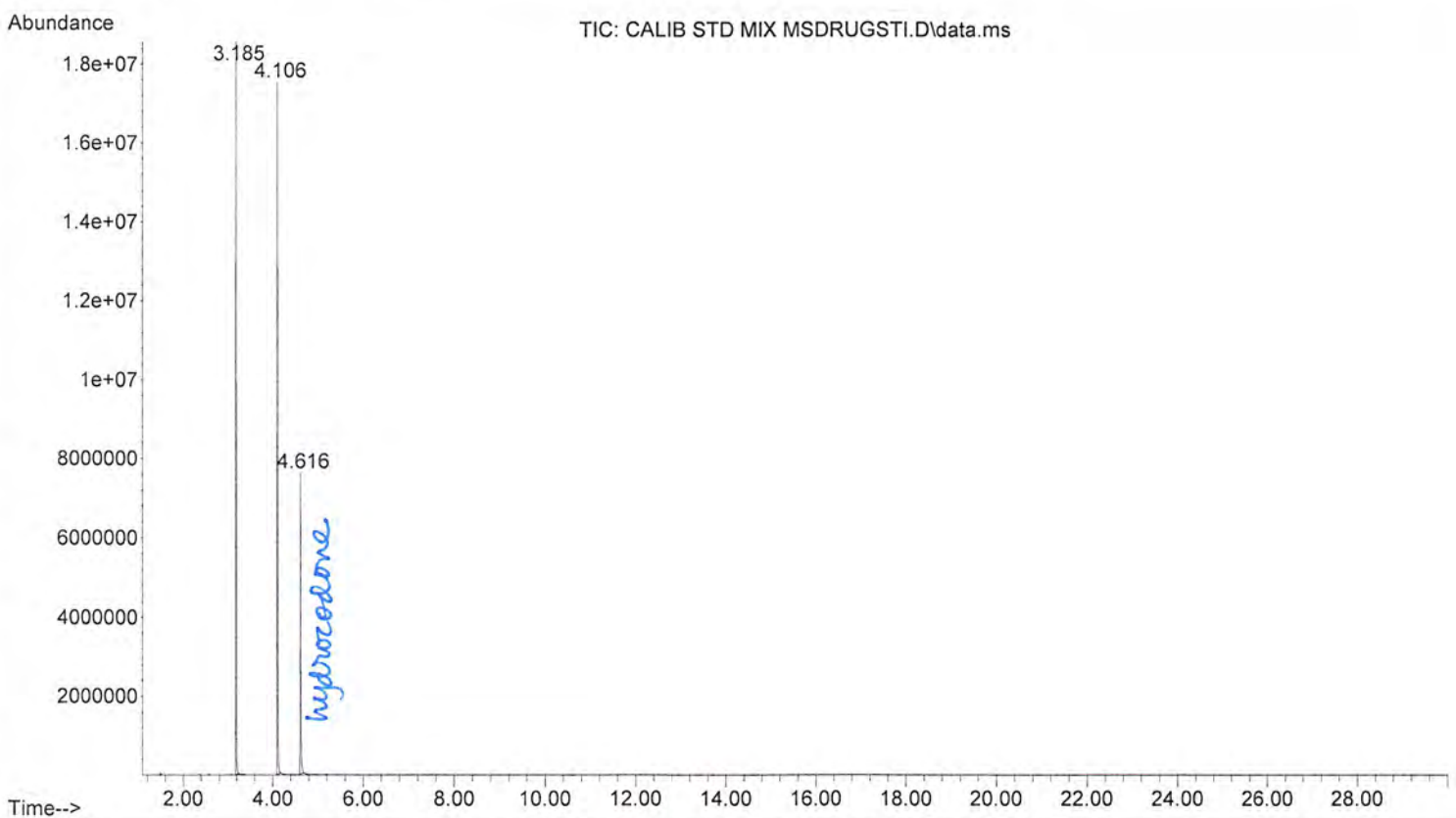
File :D:\MassHunter\GCMS\1\data\Standards --\MSDRUGSTI\CALIB STD M
... IX MSDRUGSTI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 23 Nov 2022 08:39 using AcqMethod MSDRUGSTI.M
Sample Name: CALIB STD MIX MSDRUGSTI
Misc fo : MEOH



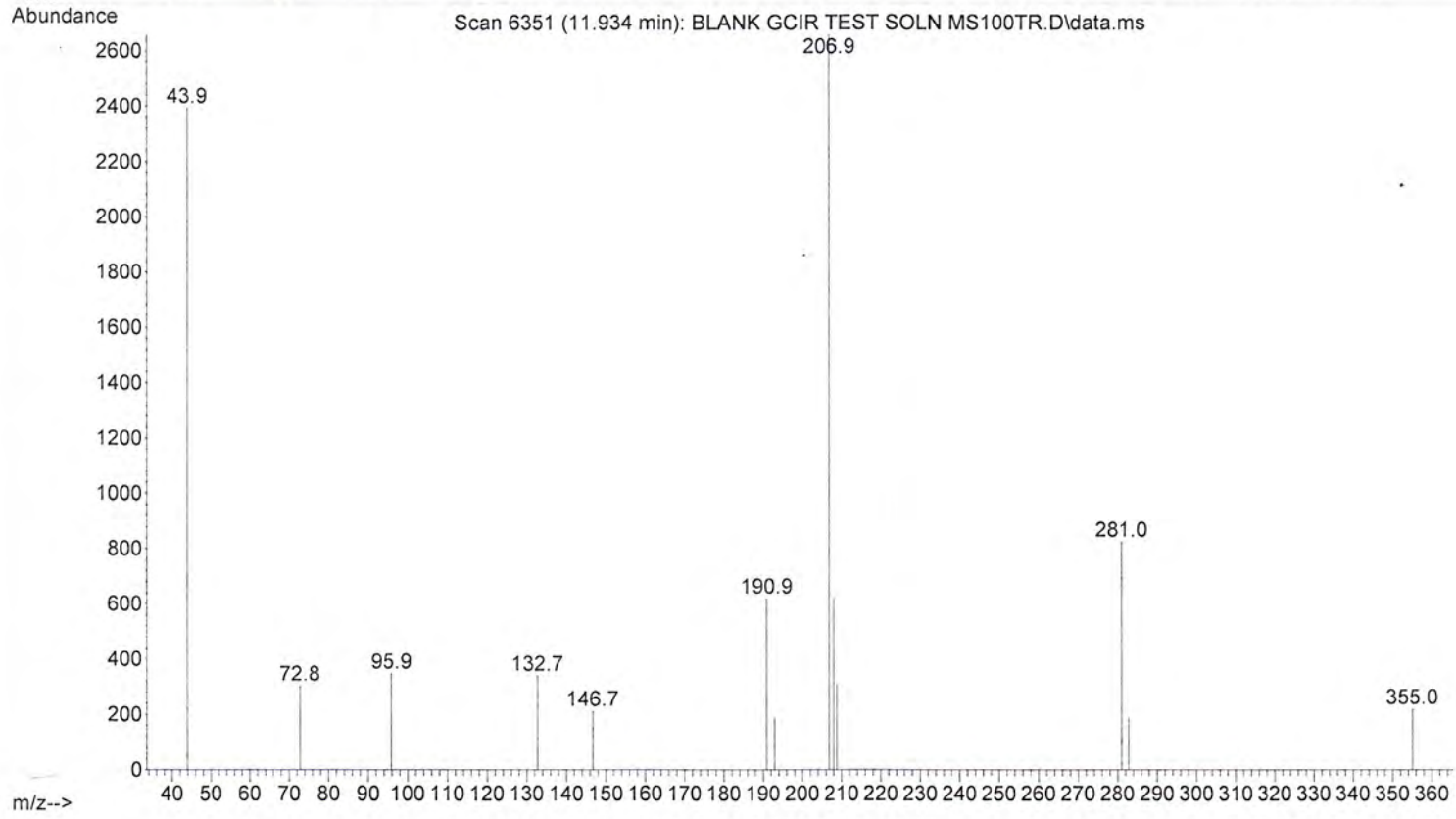
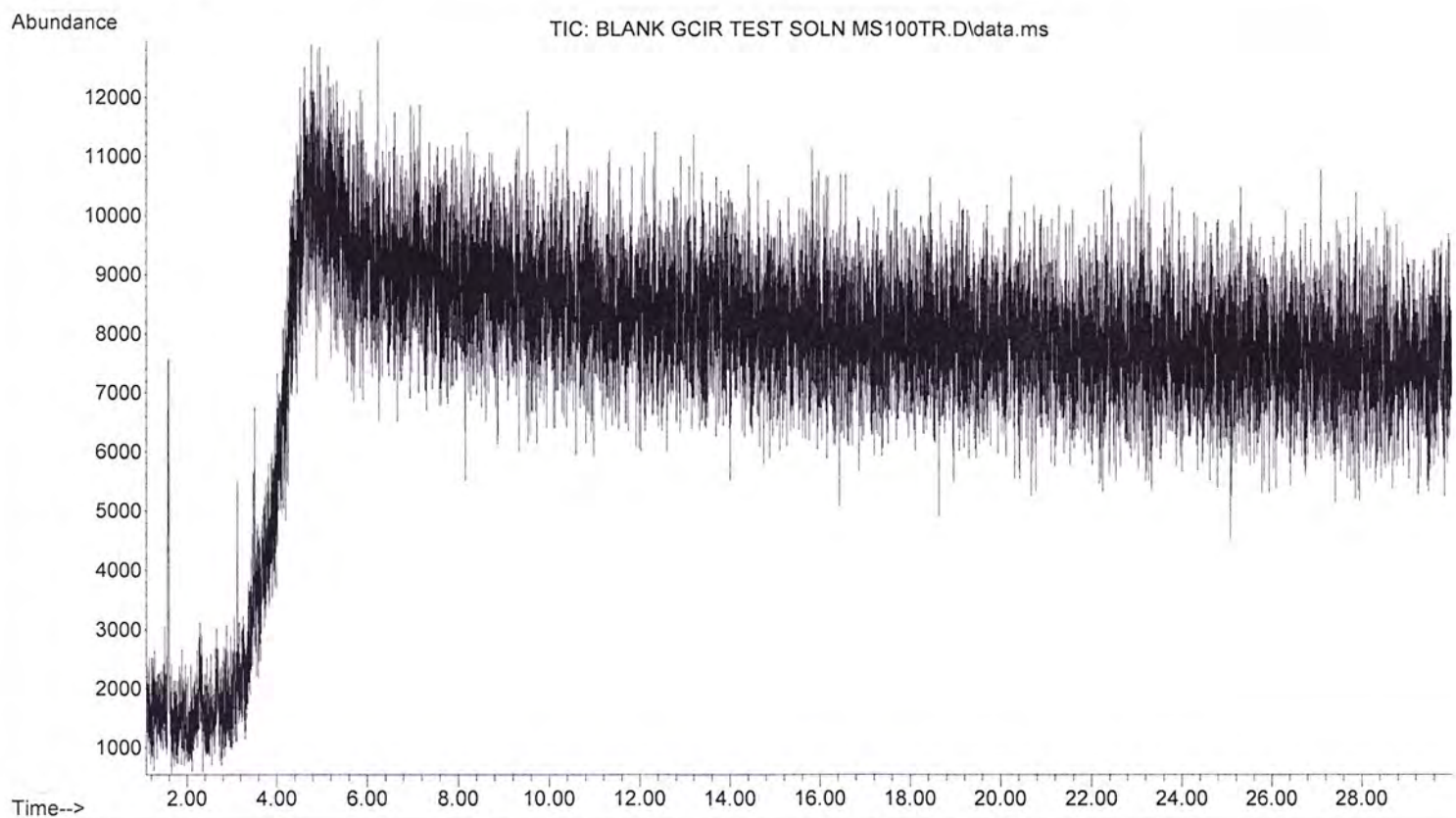
File :D:\MassHunter\GCMS\1\data\Standards --\MSDRUGSTI\CALIB STD M
... IX MSDRUGSTI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 23 Nov 2022 08:39 using AcqMethod MSDRUGSTI.M
Sample Name: CALIB STD MIX MSDRUGSTI
Misc : MEOH



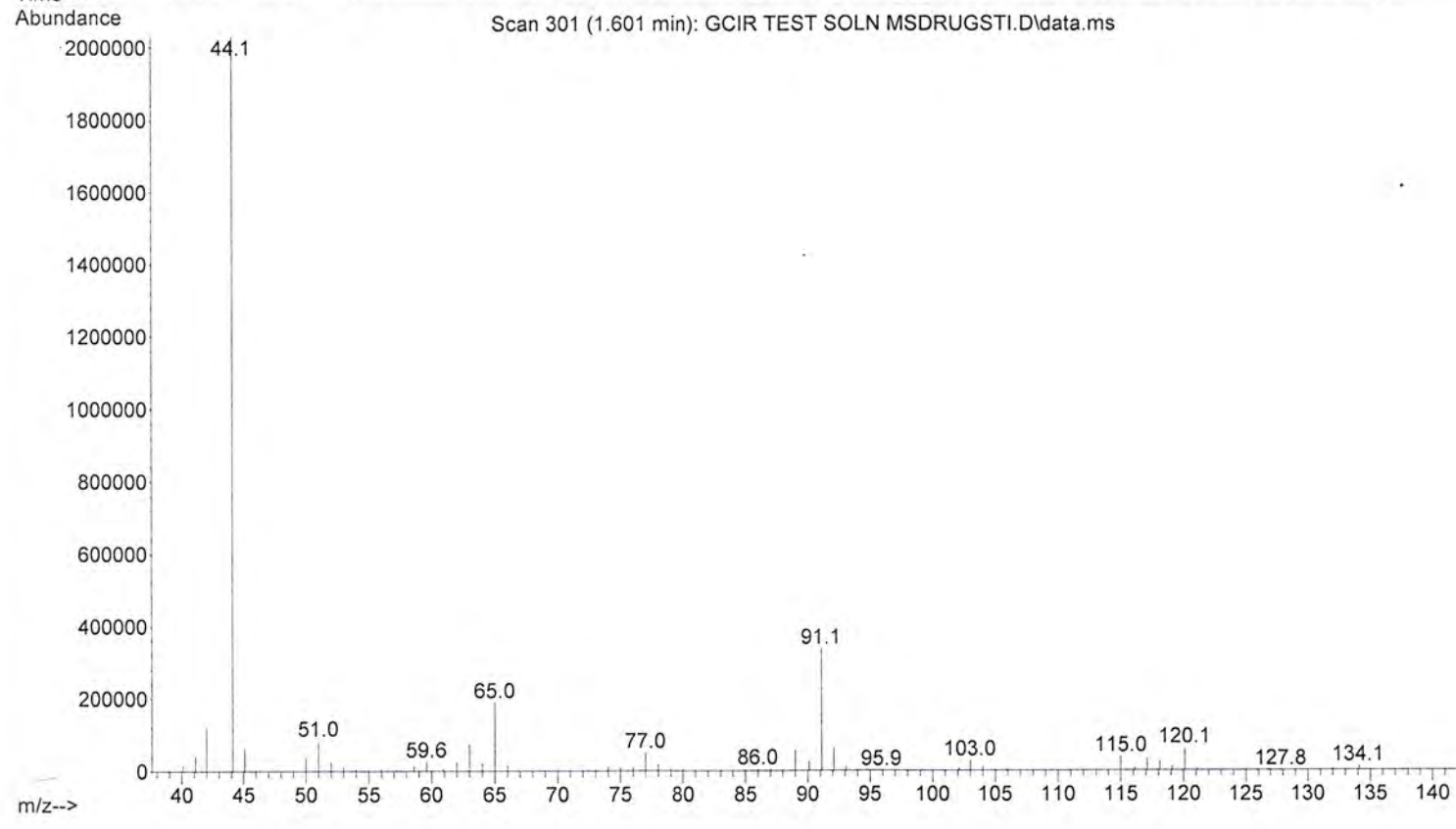
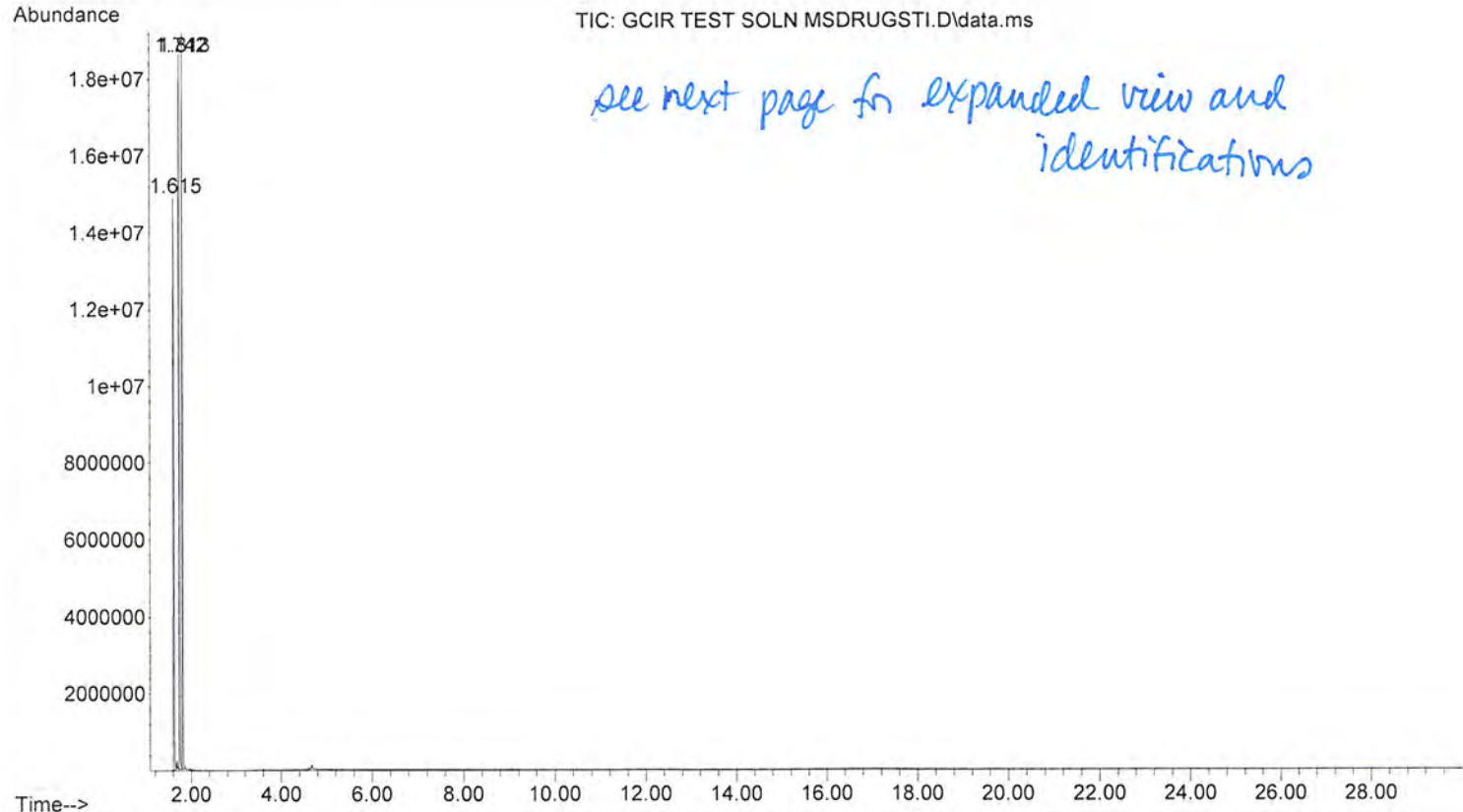
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... IX MSDRUGSTI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 23 Nov 2022 08:39 using AcqMethod MSDRUGSTI.M
Sample Name: CALIB STD MIX MSDRUGSTI
Misc : MEOH



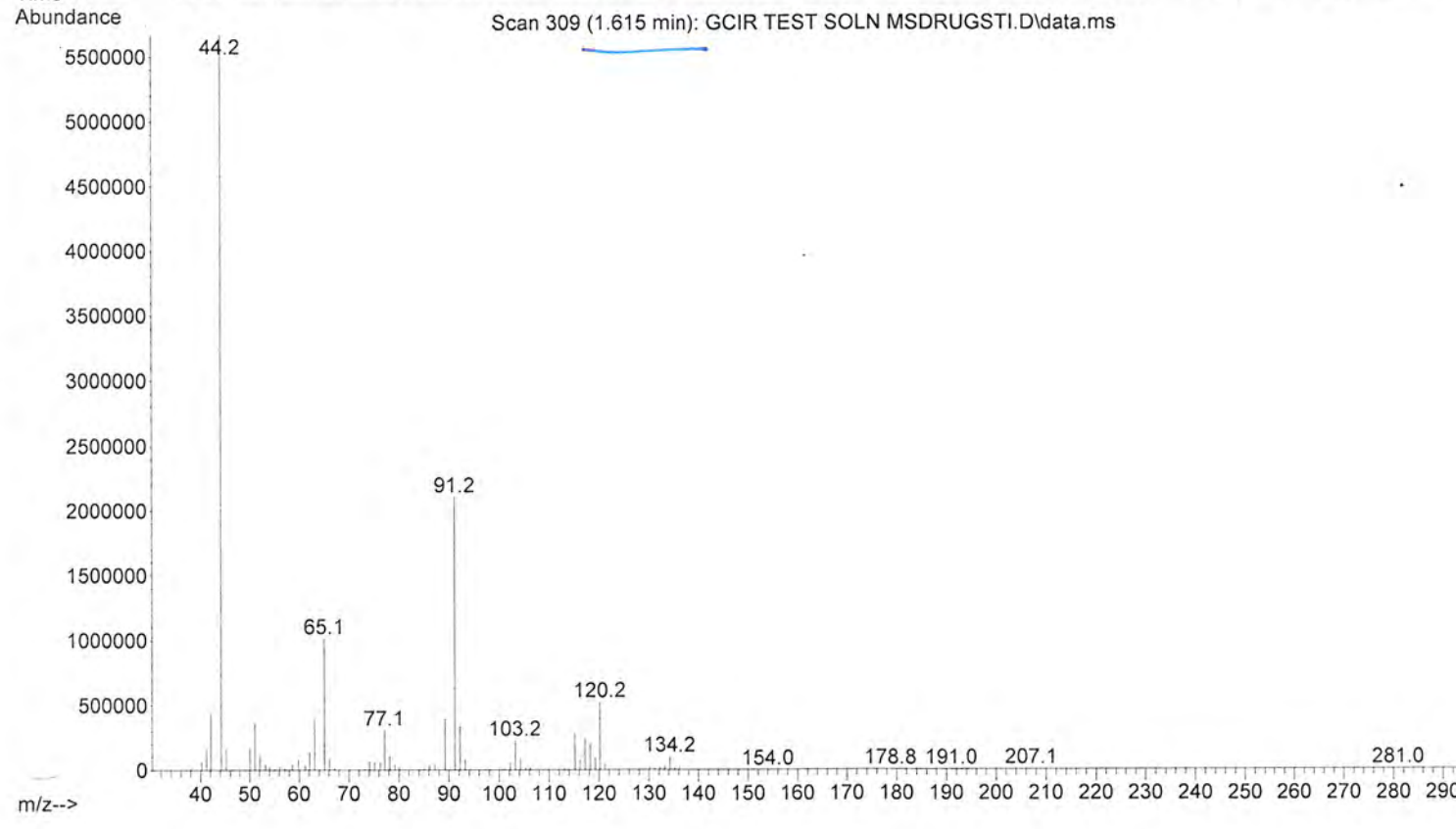
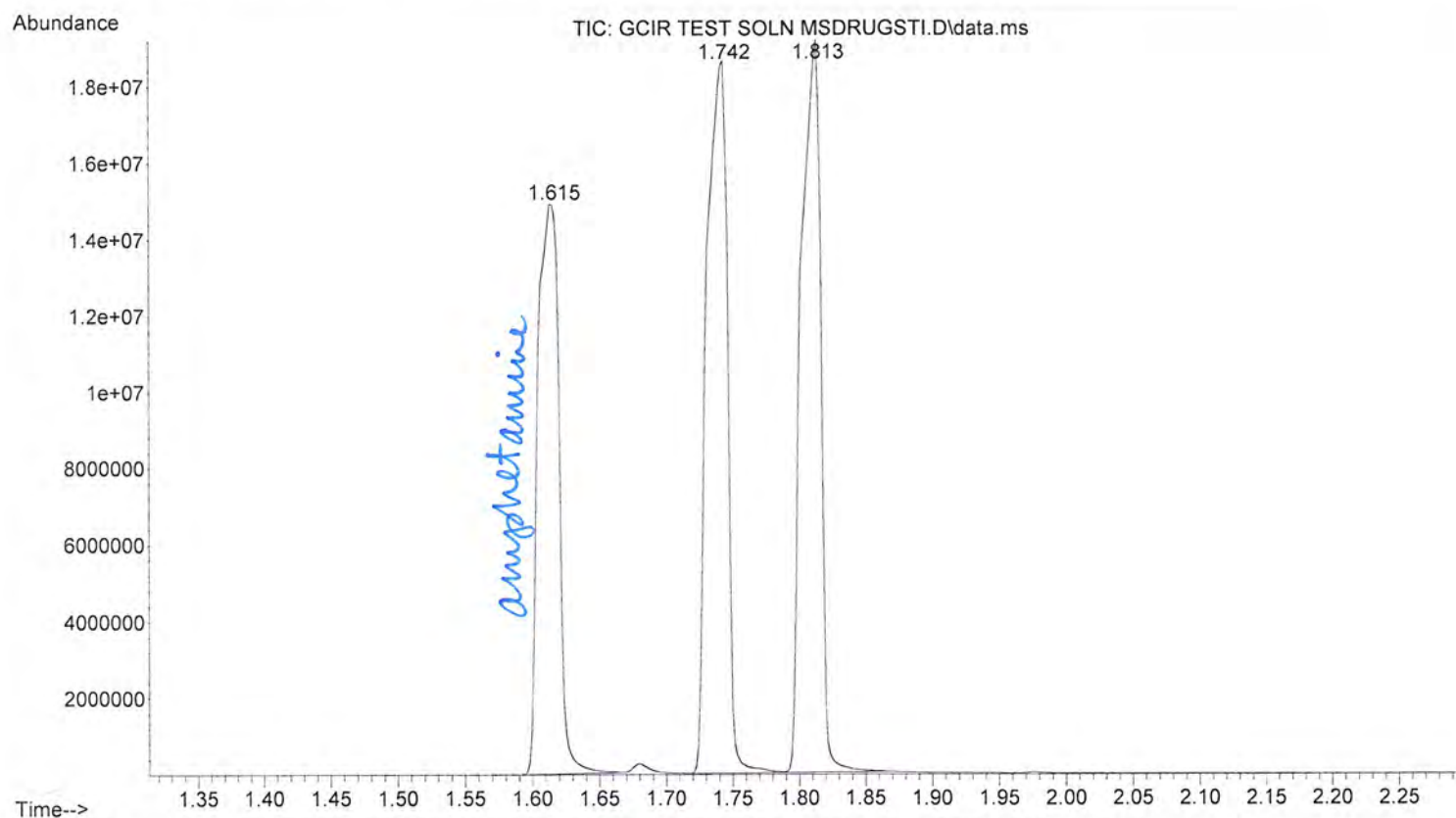
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... TEST SOLN MS100TR.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 22 Nov 2022 12:34 using AcqMethod MSDRUGSTI.M
Sample Name: BLANK FOR GC/IR TEST SOLUTION
Misc fo : MeOH



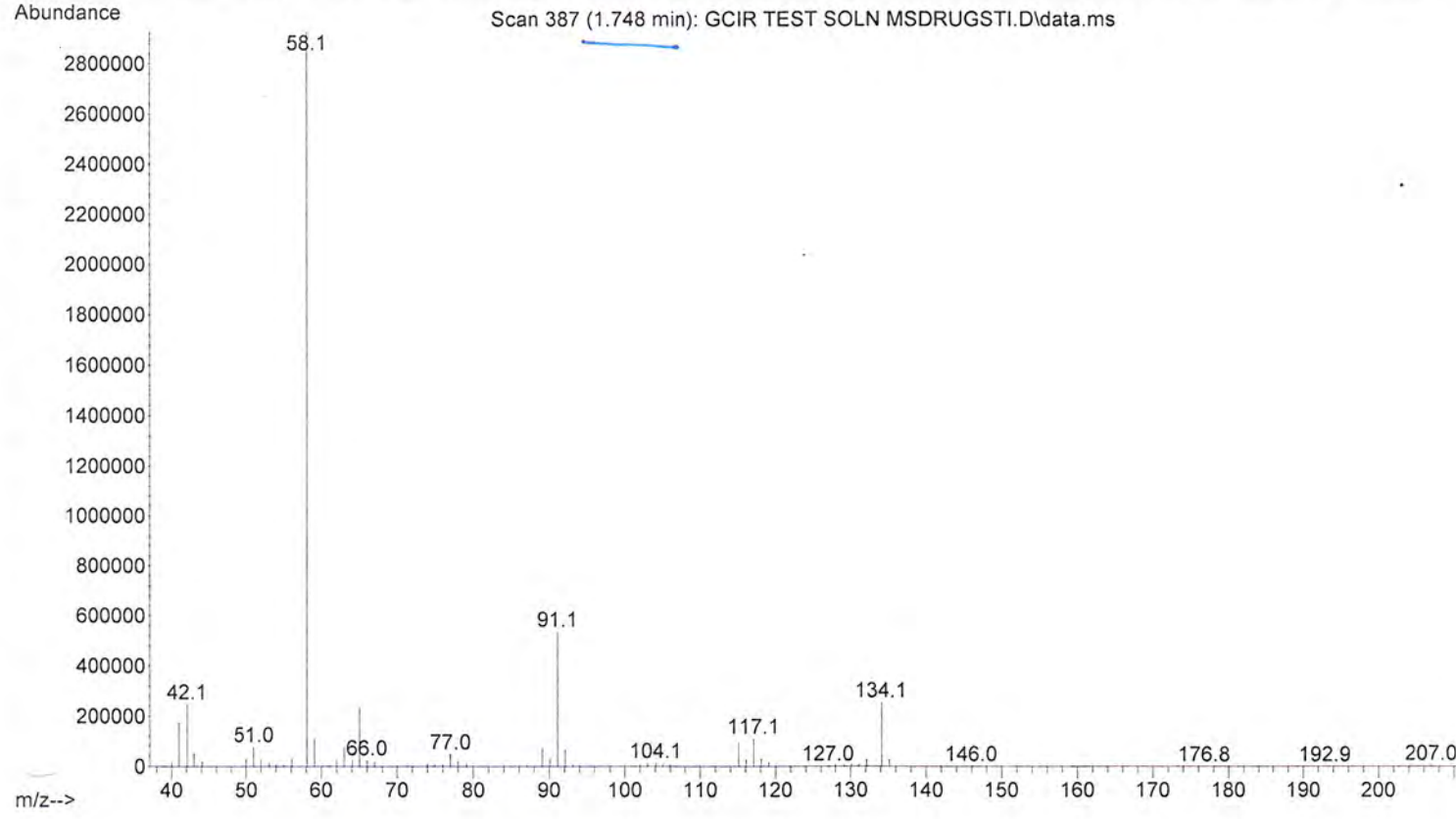
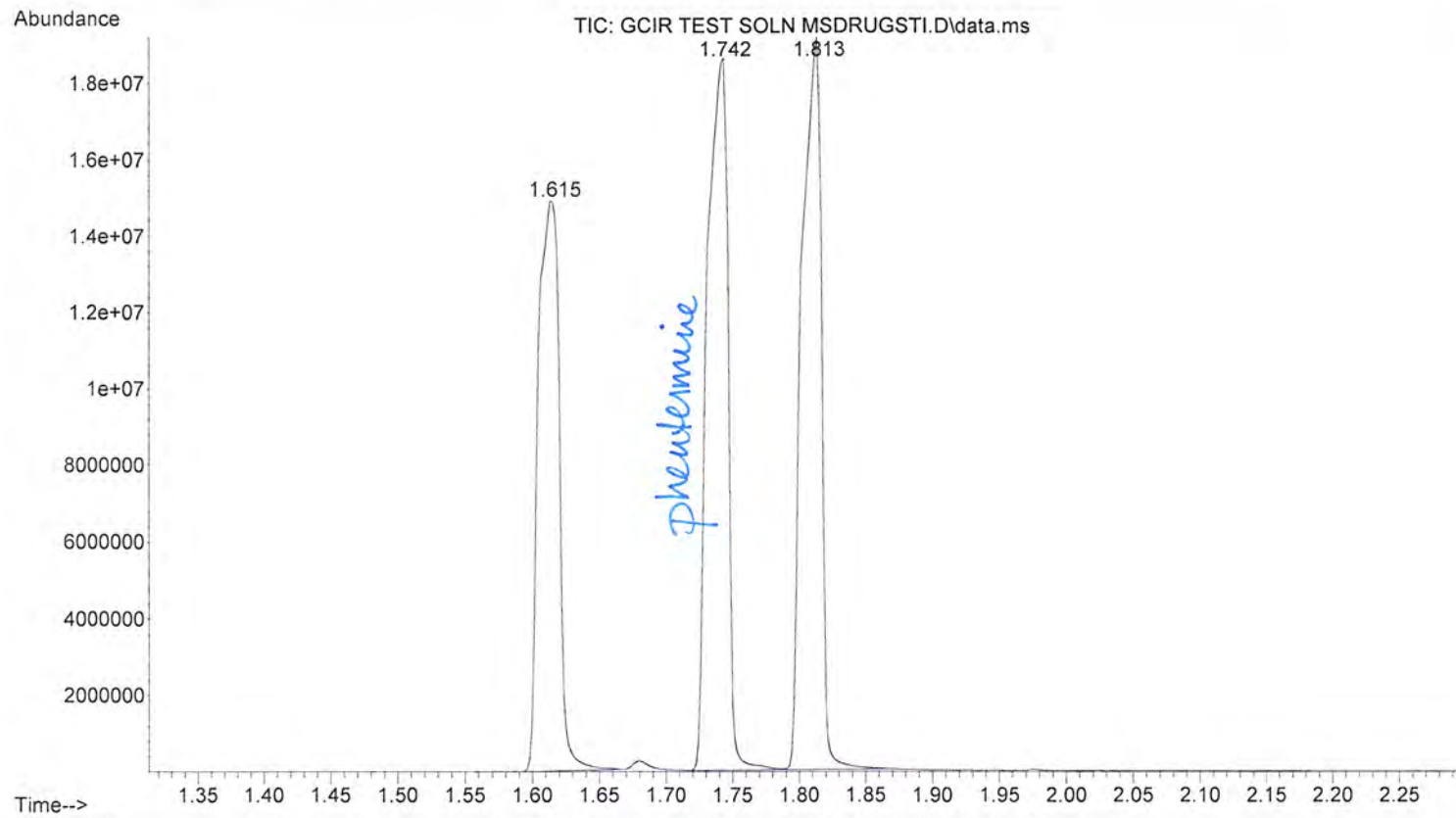
File :D:\MassHunter\GCMS\1\data\Standards --\MSDRUGSTI\GCIR TEST S
... OLN MSDRUGSTI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 22 Nov 2022 13:11 using AcqMethod MSDRUGSTI.M
Sample Name: GC/IR TEST SOLUTION MSDRUGSTI
Misc : MeOH



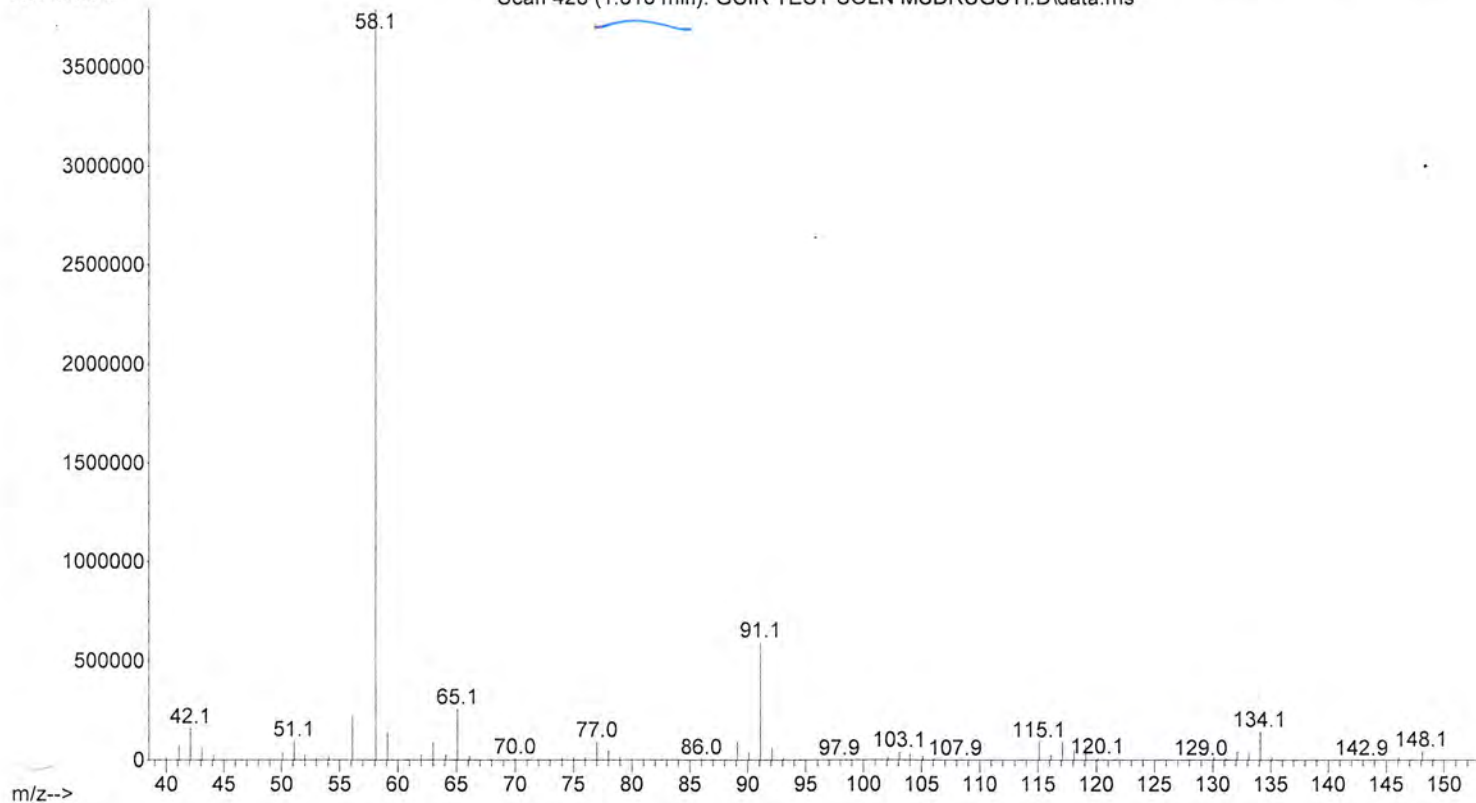
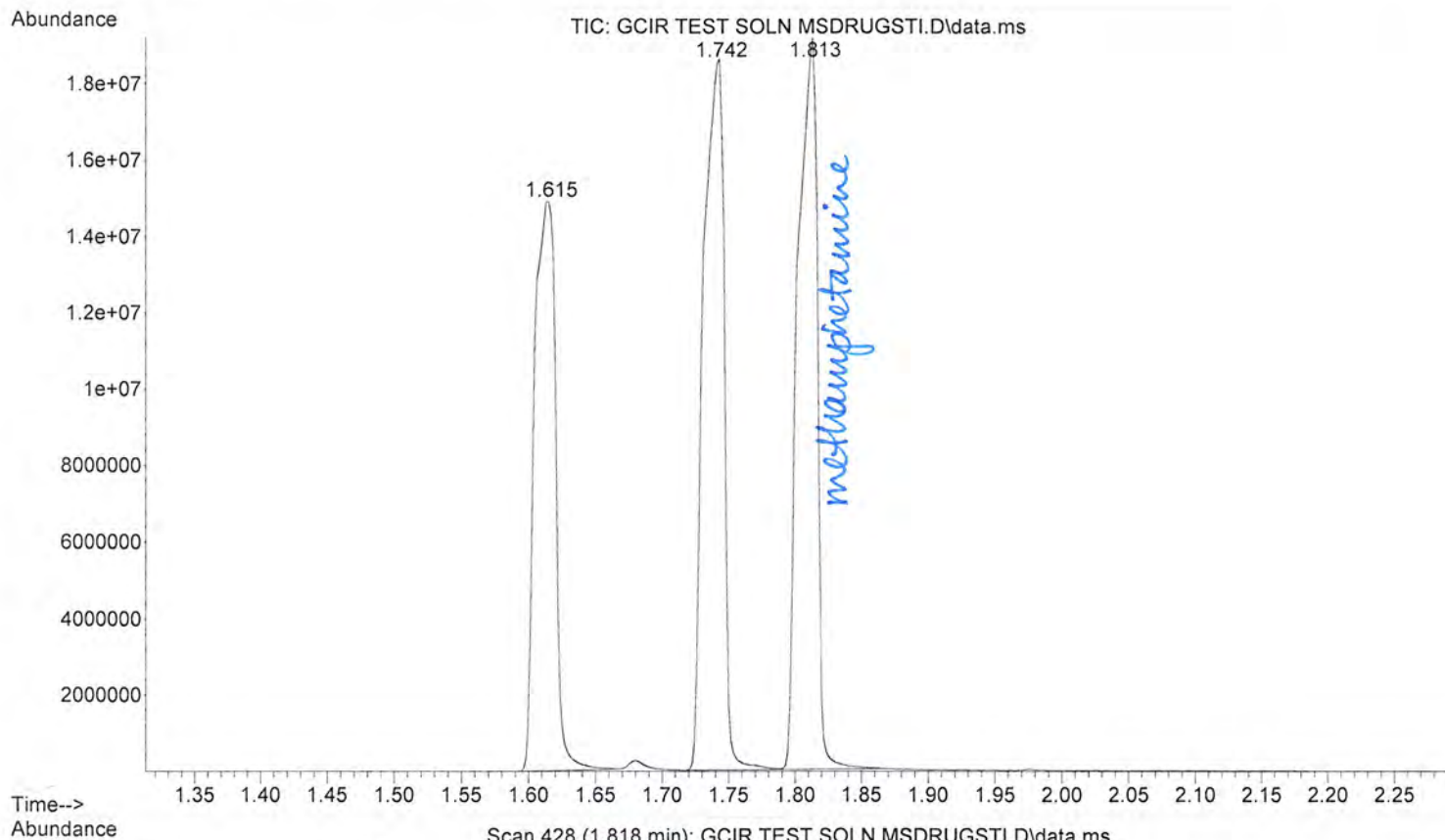
File :D:\MassHunter\GCMS\1\data\Standards --\MSDRUGSTI\GCIR TEST S
... OLN MSDRUGSTI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 22 Nov 2022 13:11 using AcqMethod MSDRUGSTI.M
Sample Name: GC/IR TEST SOLUTION MSDRUGSTI
Misc : MeOH



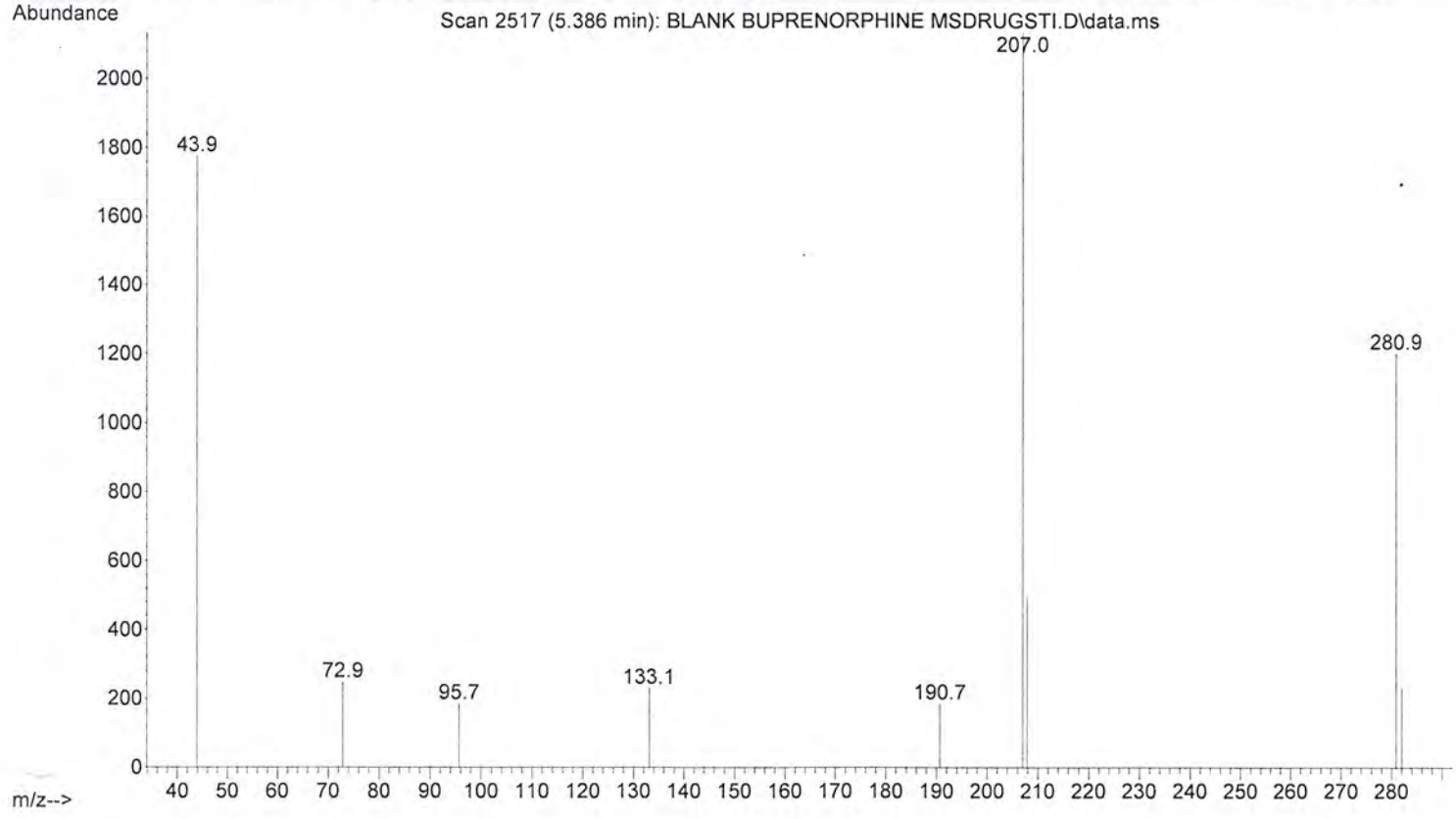
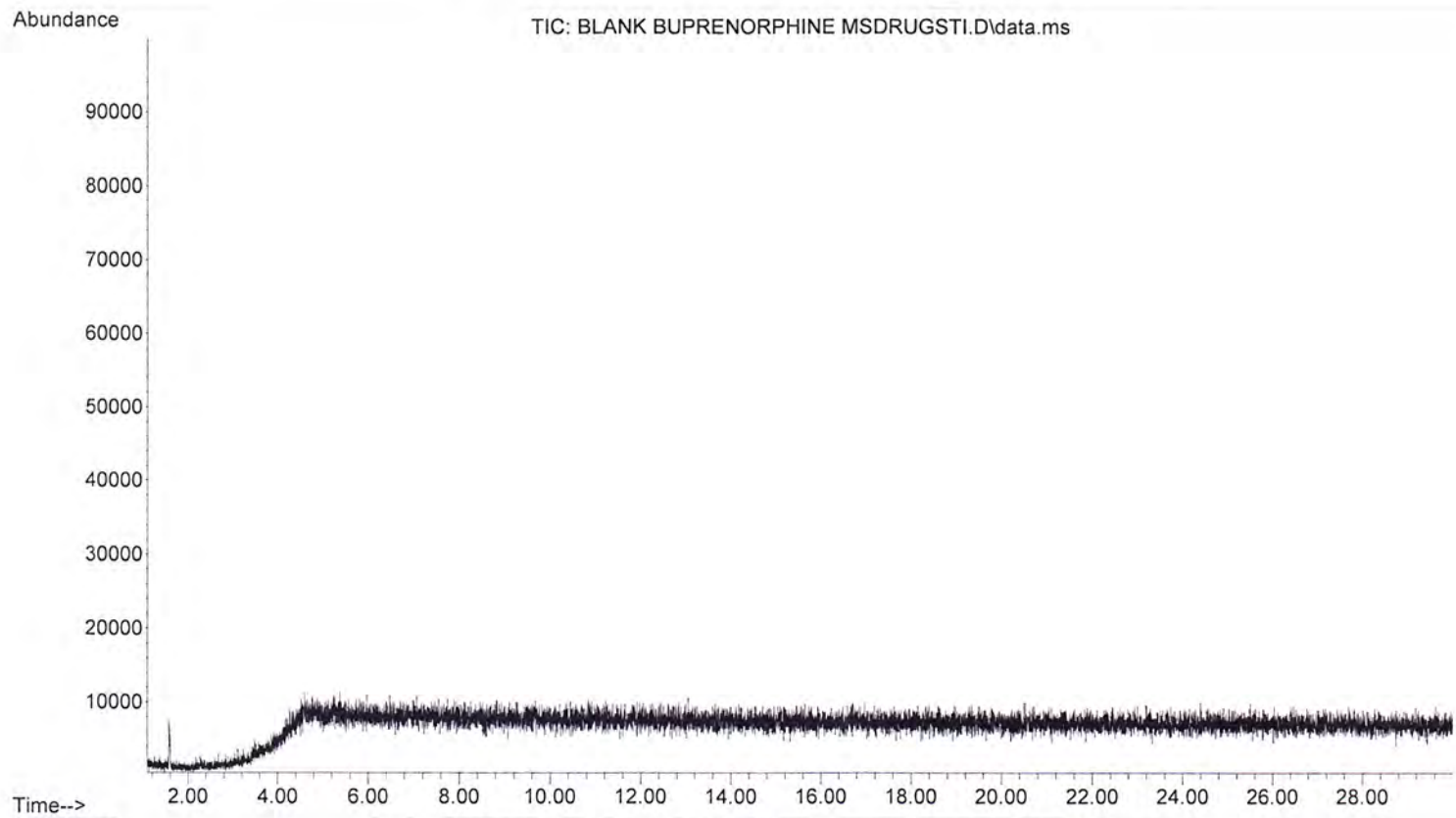
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... OLN MSDRUGSTI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 22 Nov 2022 13:11 using AcqMethod MSDRUGSTI.M
Sample Name: GC/IR TEST SOLUTION MSDRUGSTI
Misc : MeOH



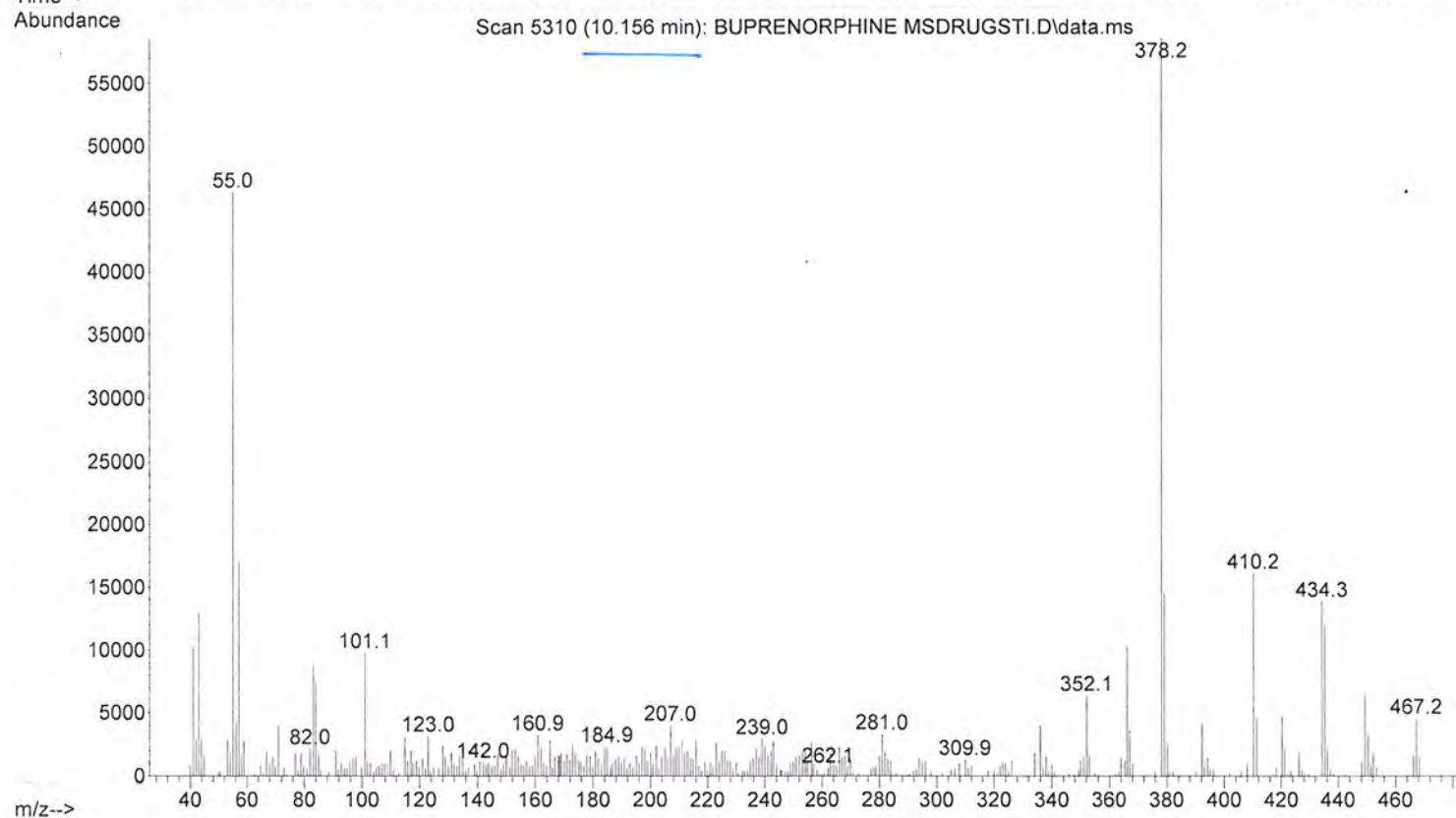
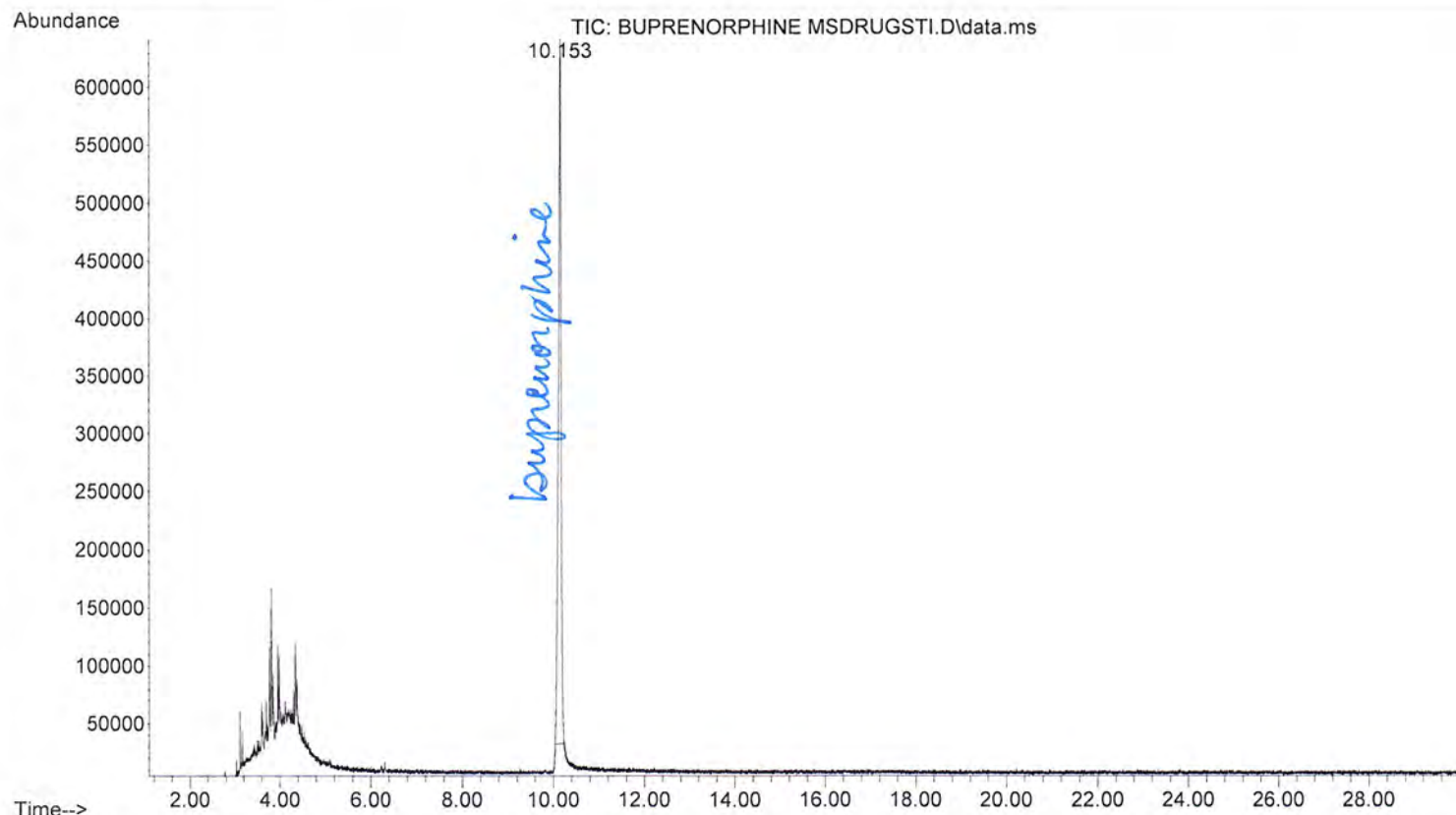
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... OLN MSDRUGSTI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 22 Nov 2022 13:11 using AcqMethod MSDRUGSTI.M
Sample Name: GC/IR TEST SOLUTION MSDRUGSTI
Misc fo : MeOH



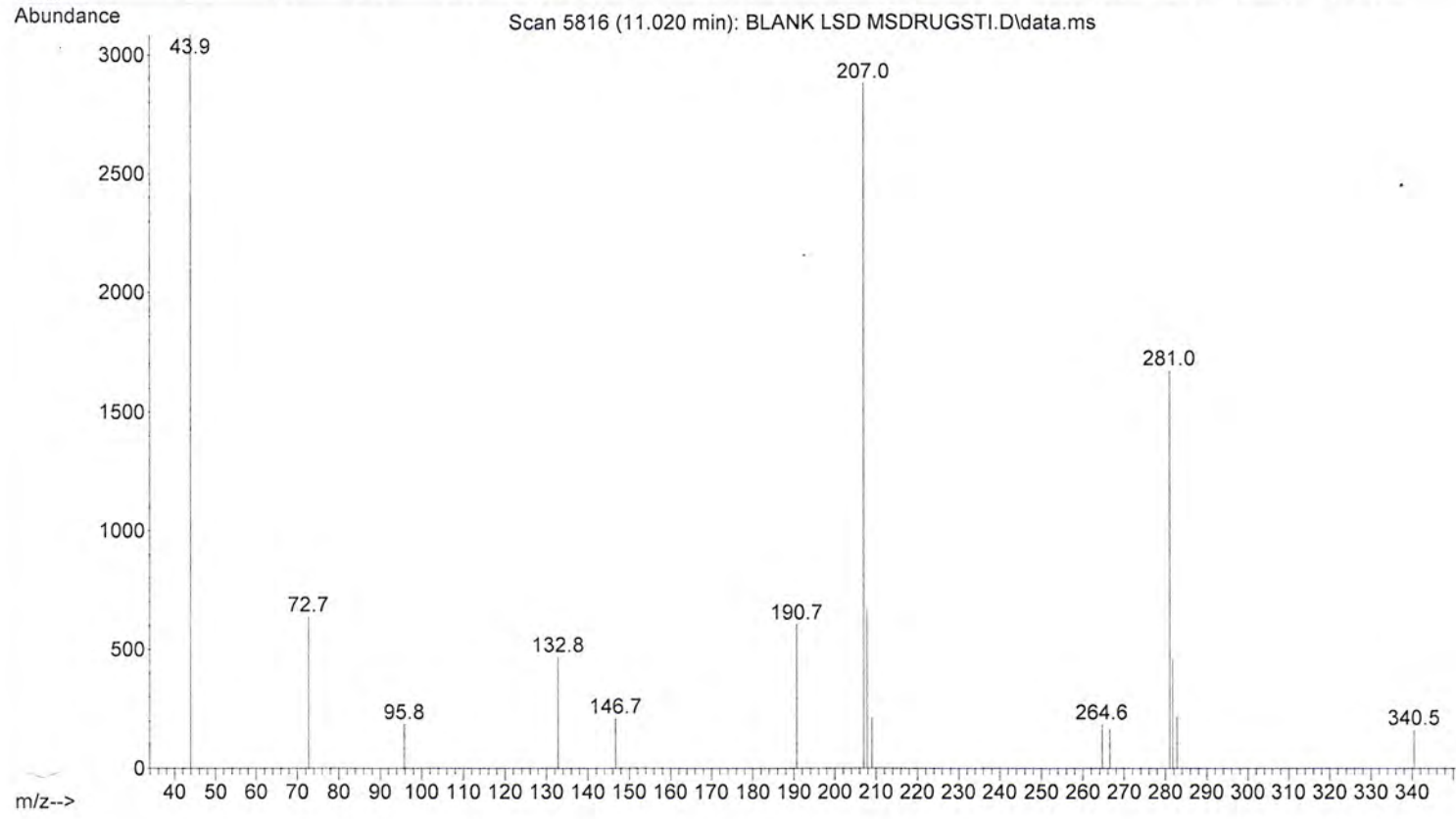
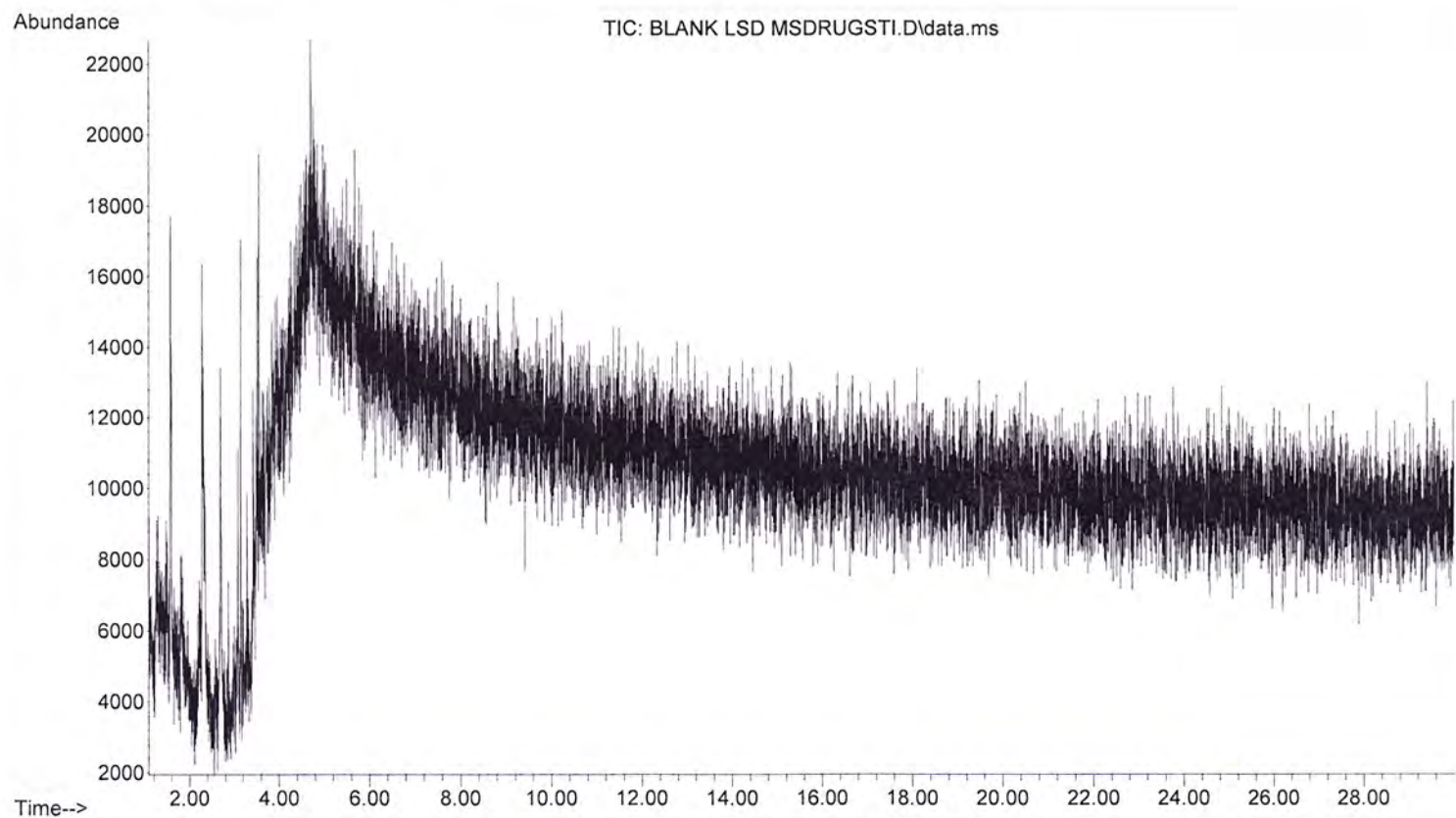
File :D:\MassHunter\GCMS\1\data\Standards --\MSDRUGSTI\BLANK BUPRE
... NORPHINE MSDRUGSTI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 23 Nov 2022 09:19 using AcqMethod MSDRUGSTI.M
Sample Name: BLANK FOR BUPRENORPHINE MSDRUGSTI
Misc : MeOH



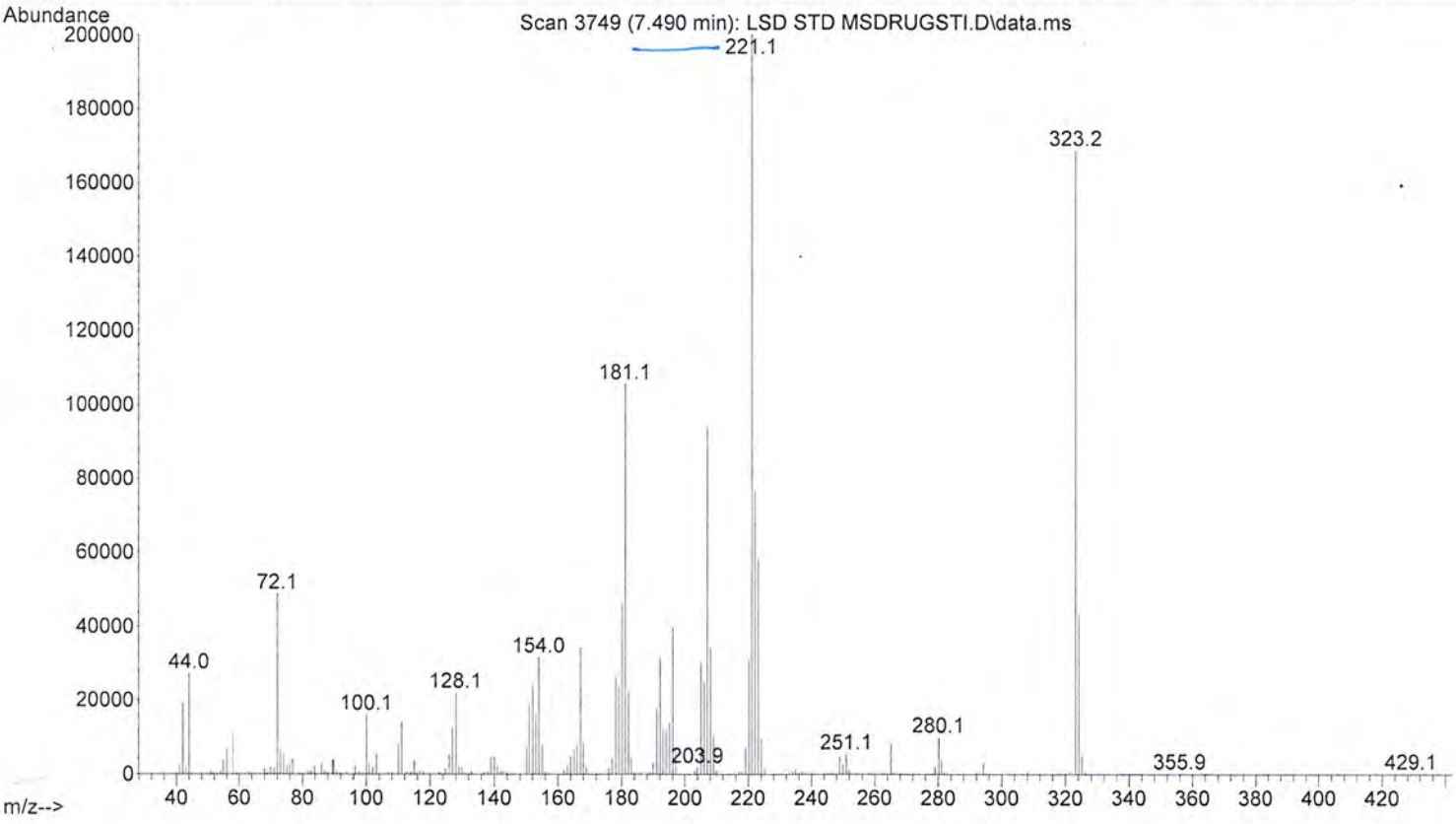
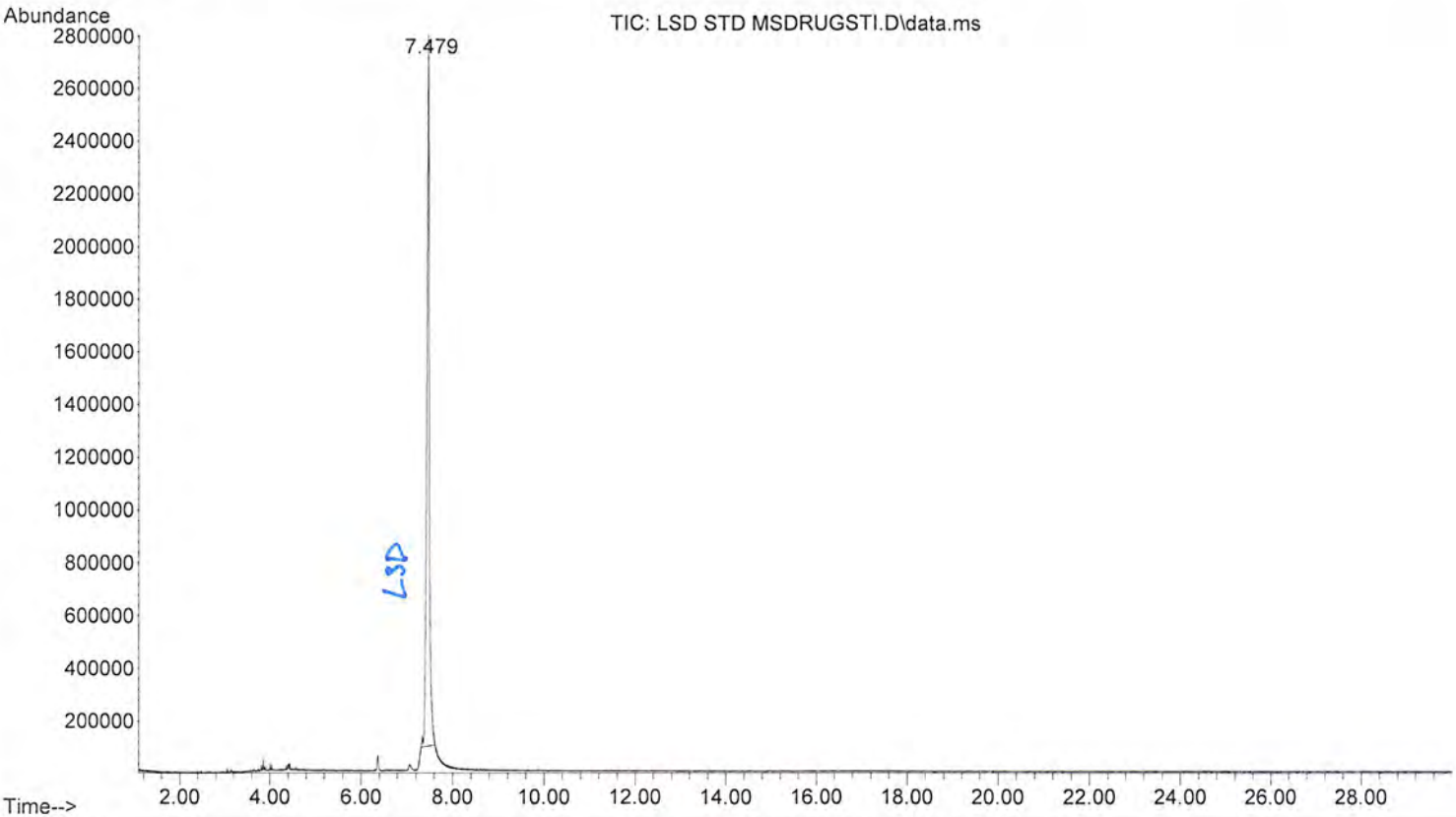
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... NE MSDRUGSTI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 23 Nov 2022 09:51 using AcqMethod MSDRUGSTI.M
Sample Name: BUPRENORPHINE MSDRUGSTI
Misc fo : MEOH



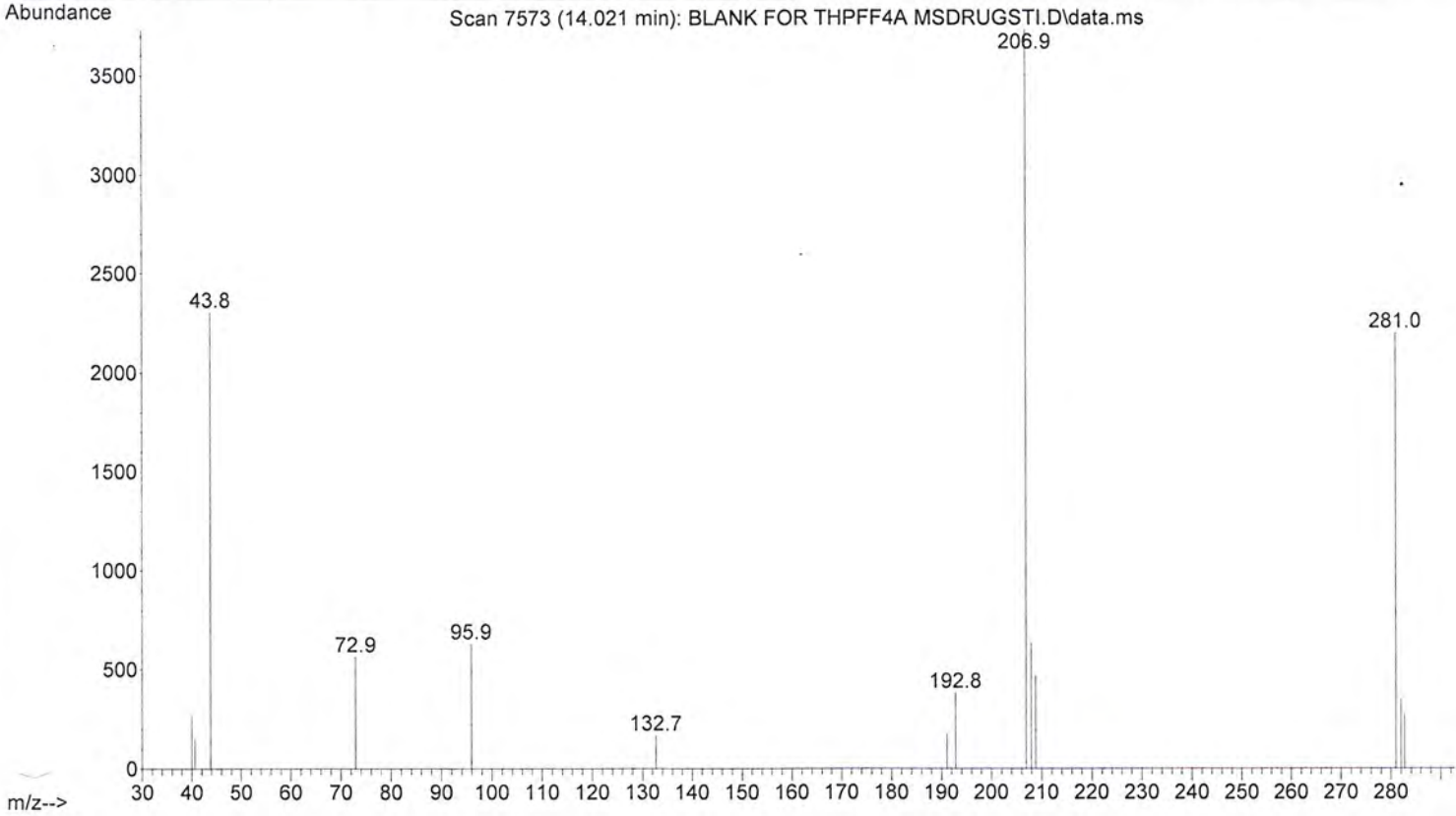
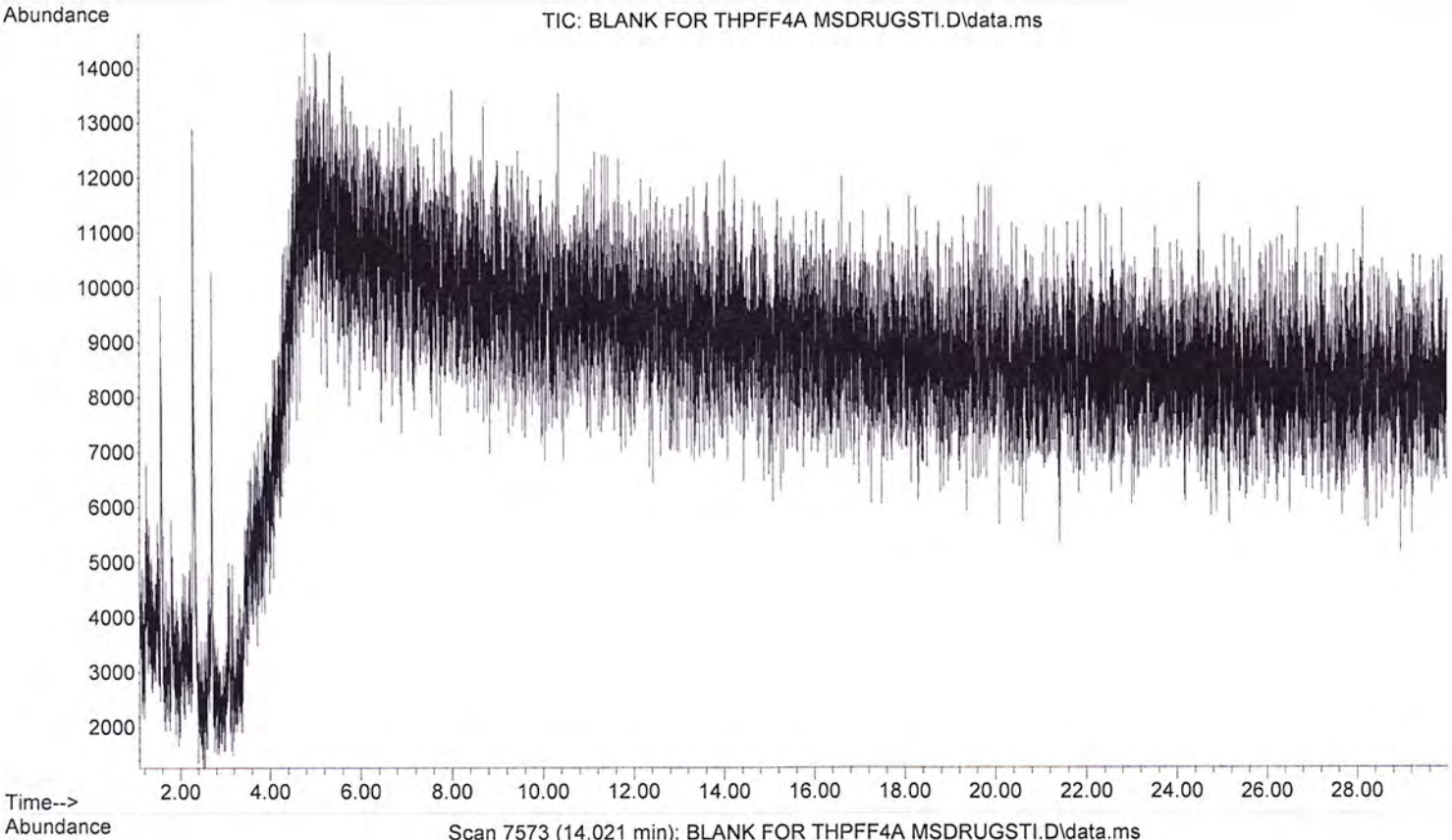
File :D:\MassHunter\GCMS\1\data\Standards --\MSDRUGSTI\BLANK LSD M
... SDRUGSTI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 22 Nov 2022 08:50 using AcqMethod MSDRUGSTI.M
Samp¹ Name: BLANK FOR LSD MSDRUGSTI
Mis fo : MeOH



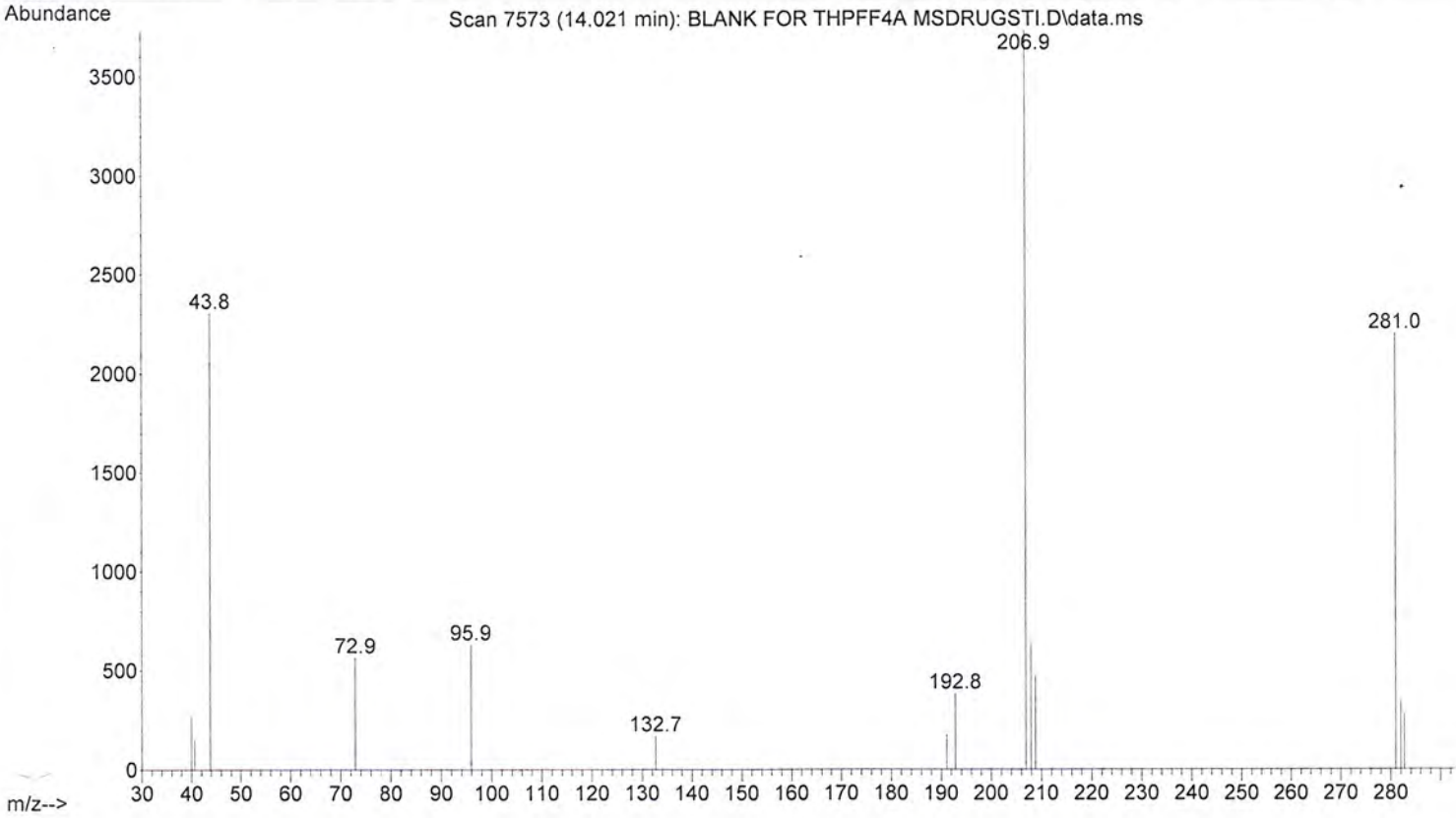
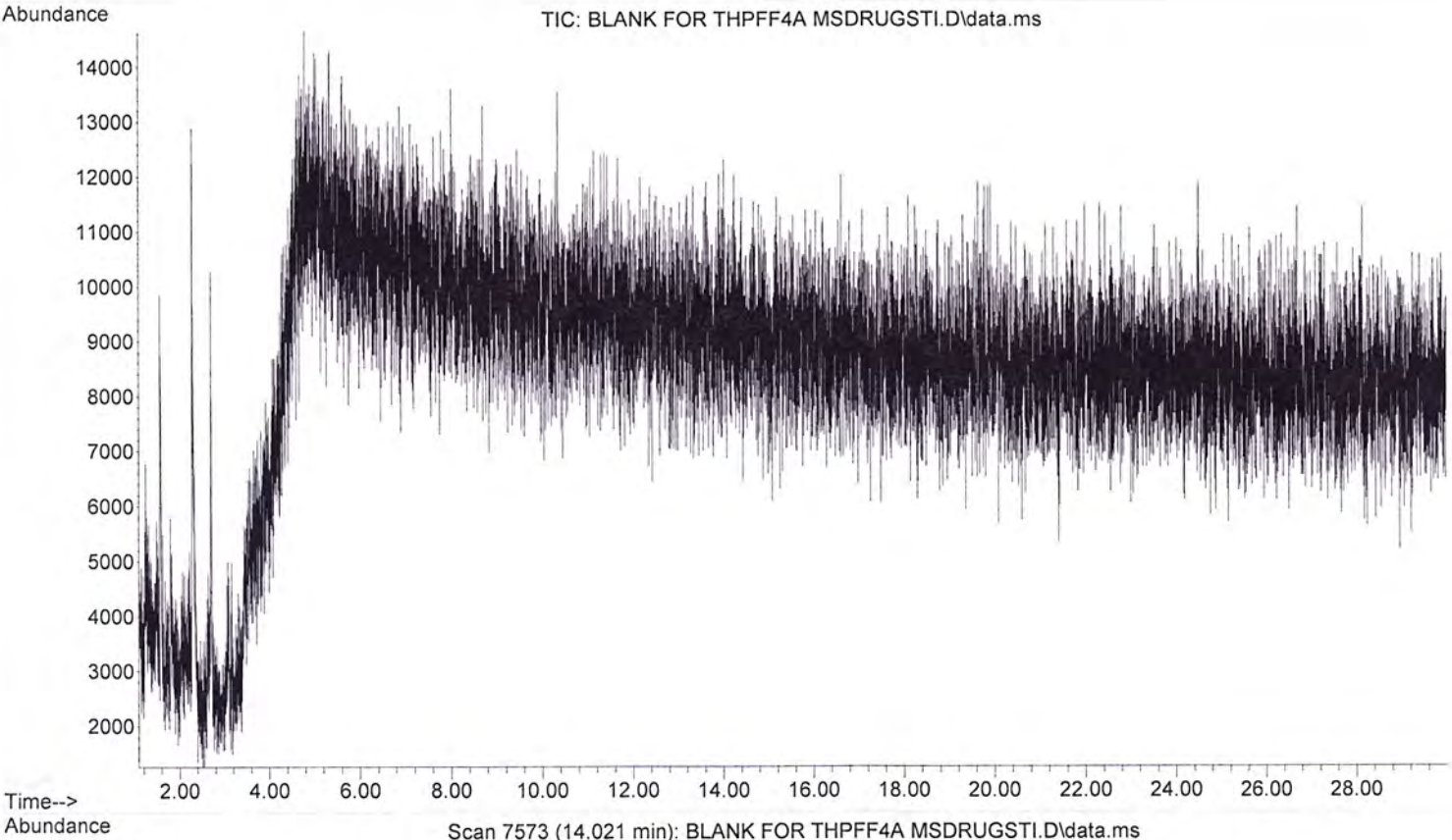
File :D:\MassHunter\GCMS\1\data\Standards --\MSDRUGSTI\LSD STD MSD
... RUGSTI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 22 Nov 2022 09:23 using AcqMethod MSDRUGSTI.M
Sample Name: LSD MSDRUGSTI
Misc : MEOH



File :D:\MassHunter\GCMS\1\data\Standards --\MSDRUGSTI\BLANK FOR T
... HPFF4A MSDRUGSTI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 22 Nov 2022 11:23 using AcqMethod MSDRUGSTI.M
Sample Name: BLANK FOR THPFF4A MSDRUGSTI
Misc fo : MeOH

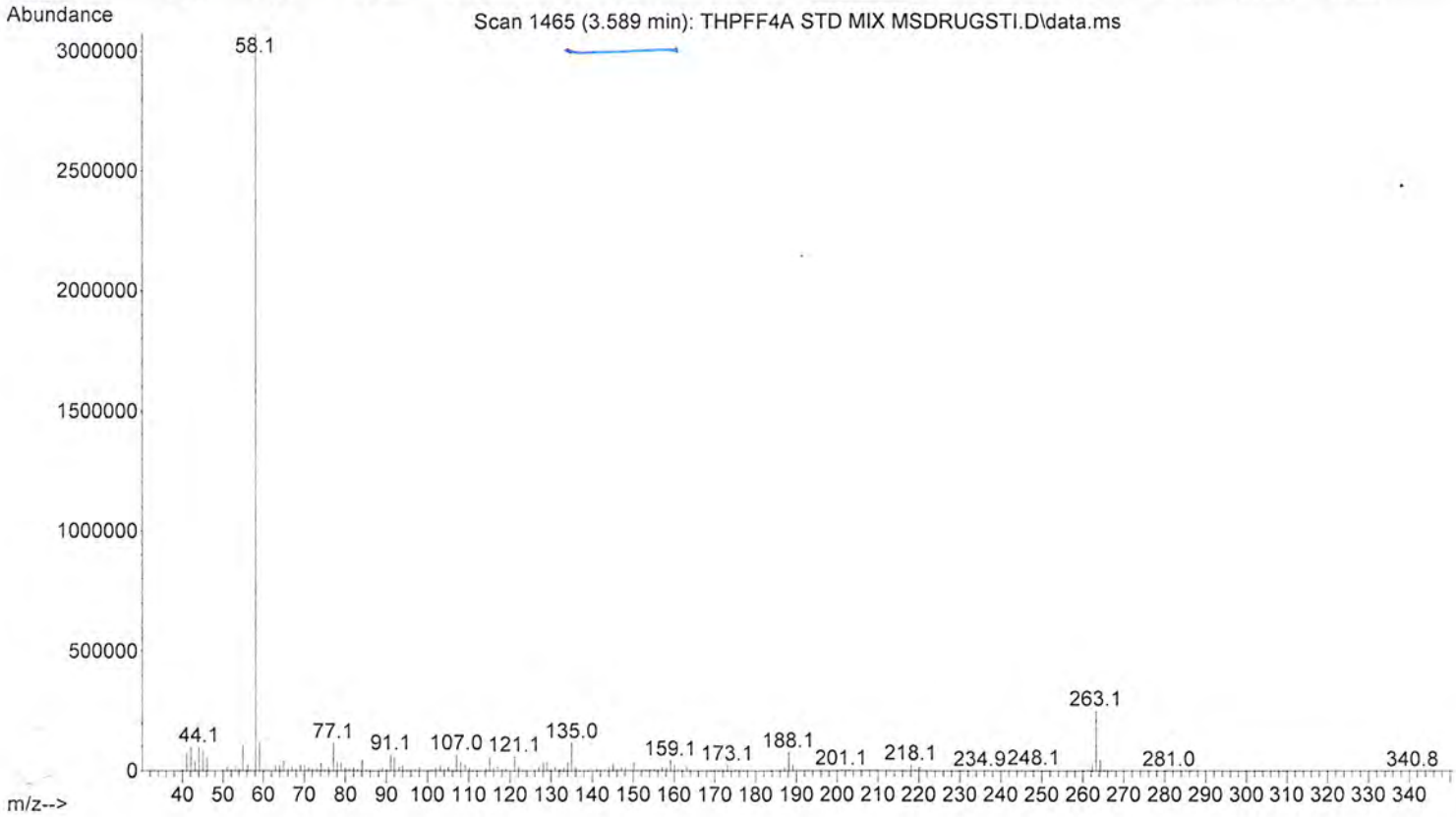
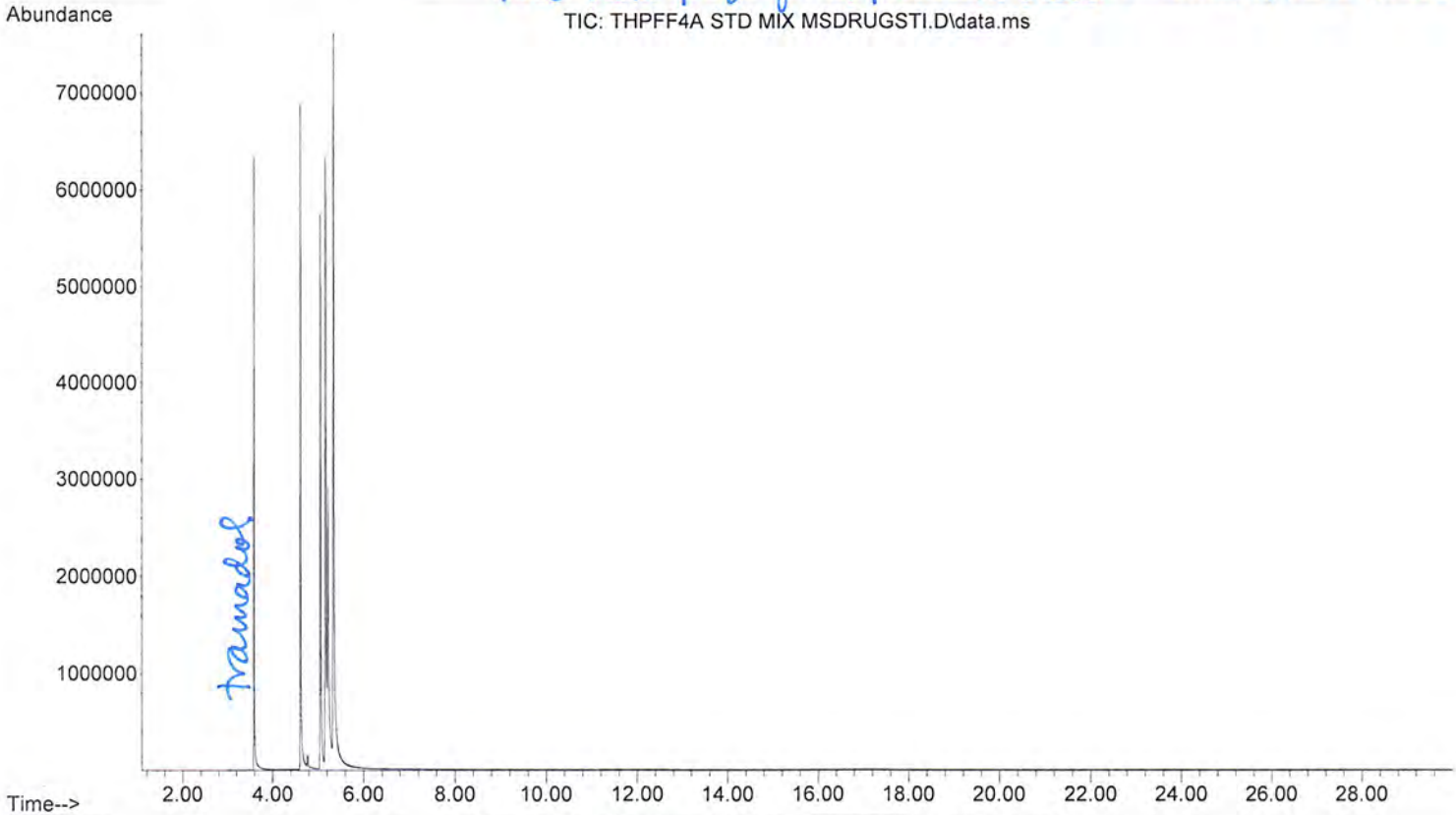


File :D:\MassHunter\GCMS\1\data\Standards --\MSDRUGSTI\BLANK FOR T
... HPFF4A MSDRUGSTI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 22 Nov 2022 11:23 using AcqMethod MSDRUGSTI.M
Sample Name: BLANK FOR THPFF4A MSDRUGSTI
Misc fo : MeOH

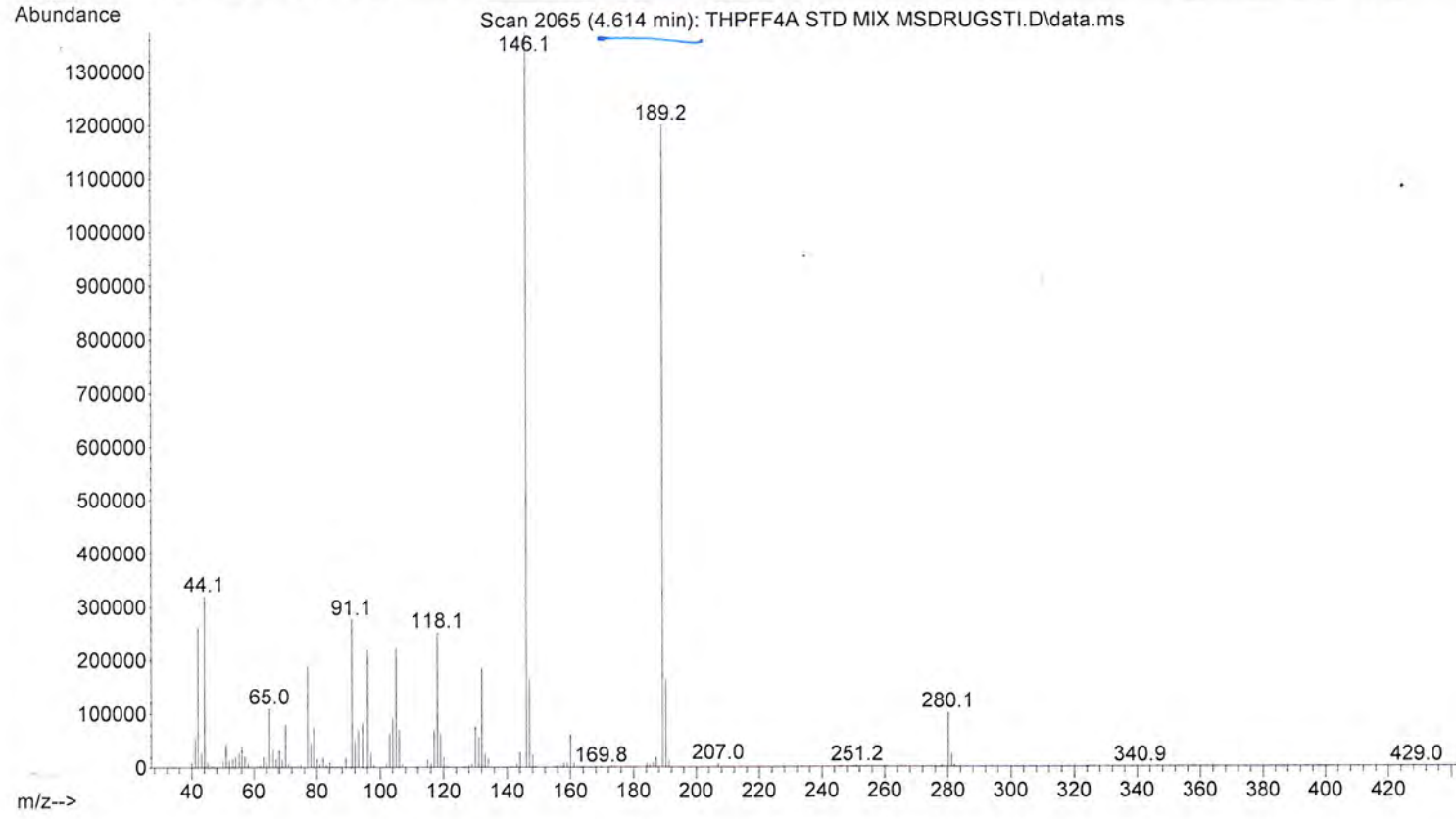
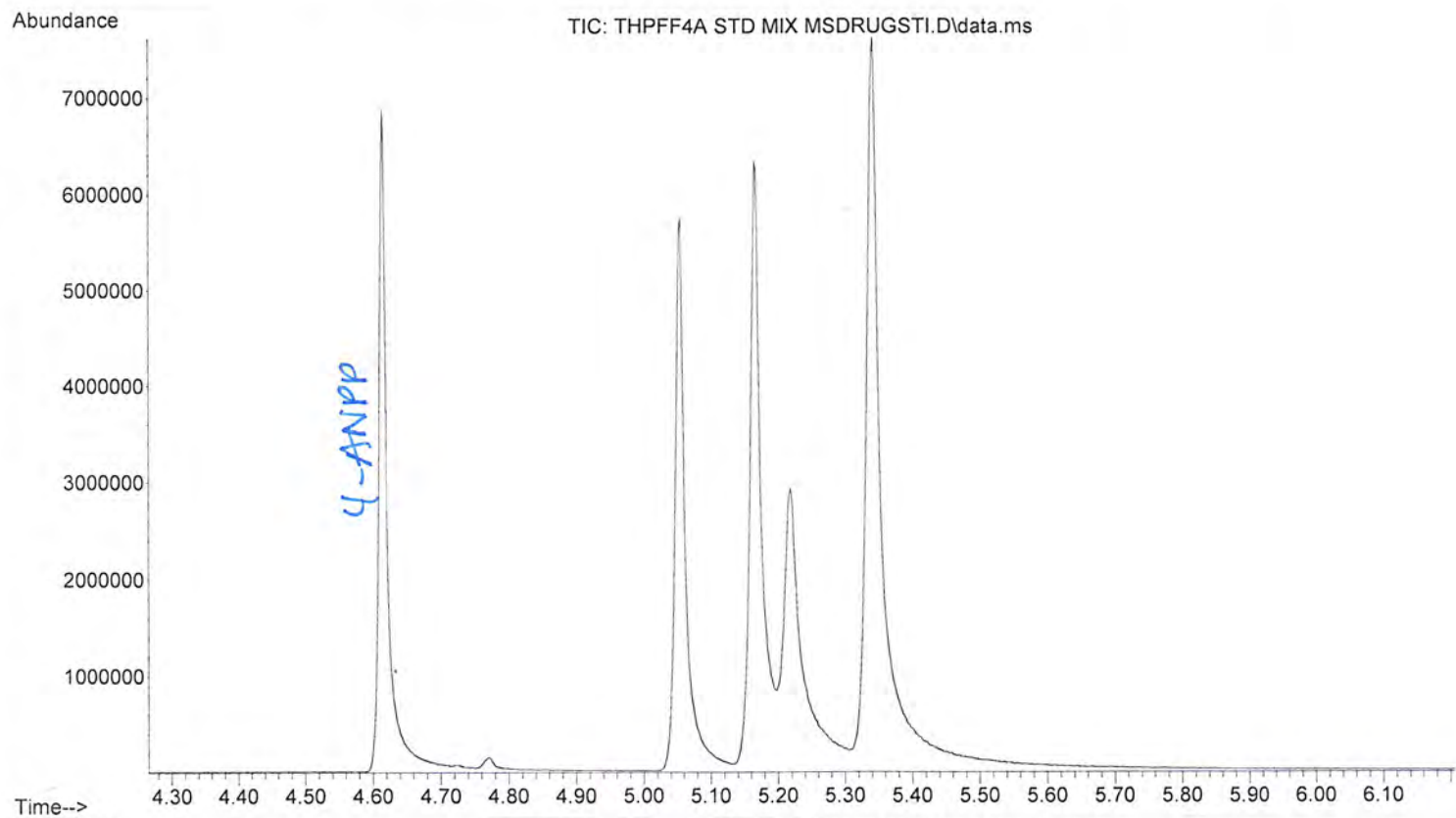


File :D:\MassHunter\GCMS\1\data\Standards --\MSDRUGSTI\THPFF4A STD
... MIX MSDRUGSTI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 22 Nov 2022 11:55 using AcqMethod MSDRUGSTI.M
Sample Name: THPFF4A STANDARD MIX MSDRUGSTI
Misc fo : MeOH

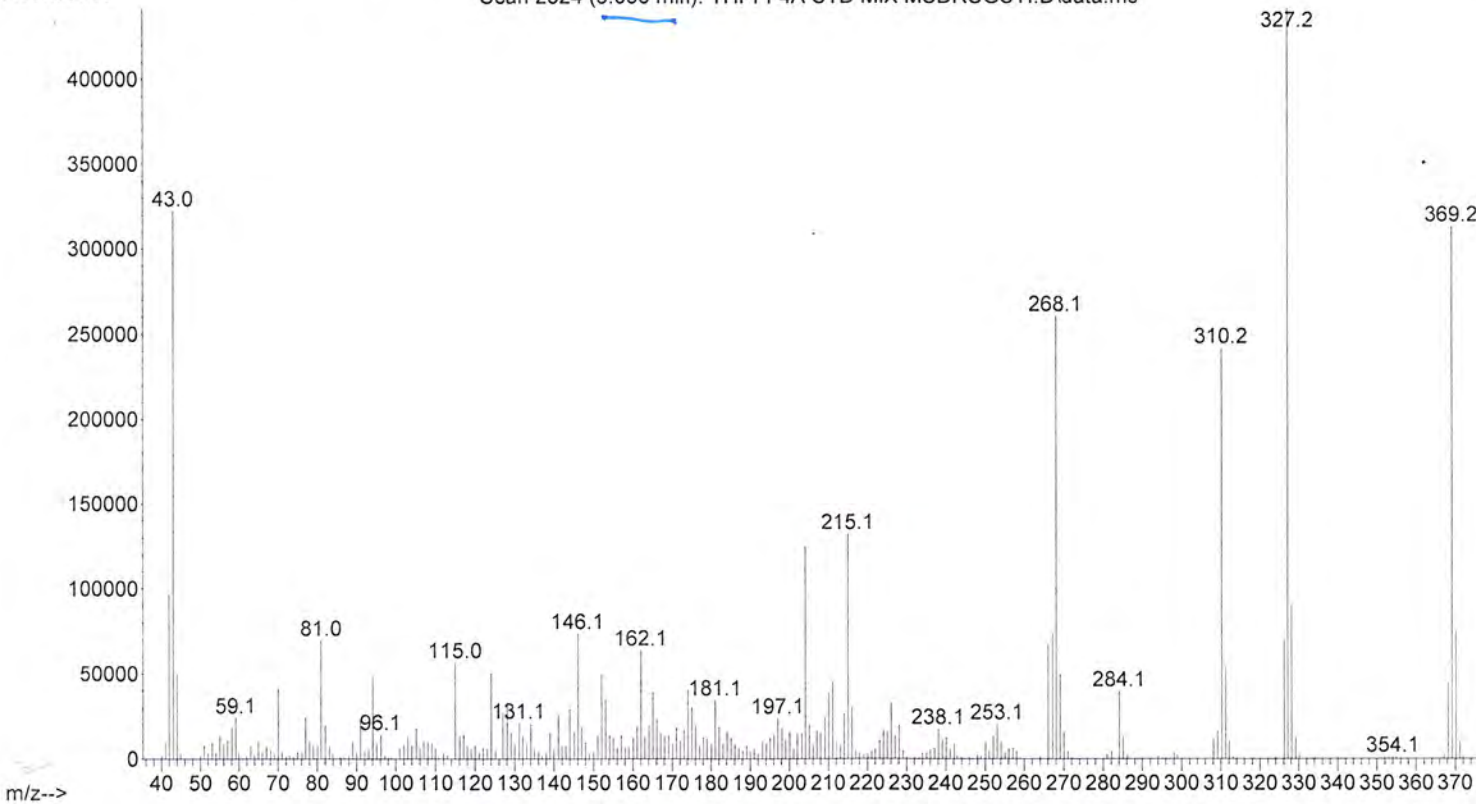
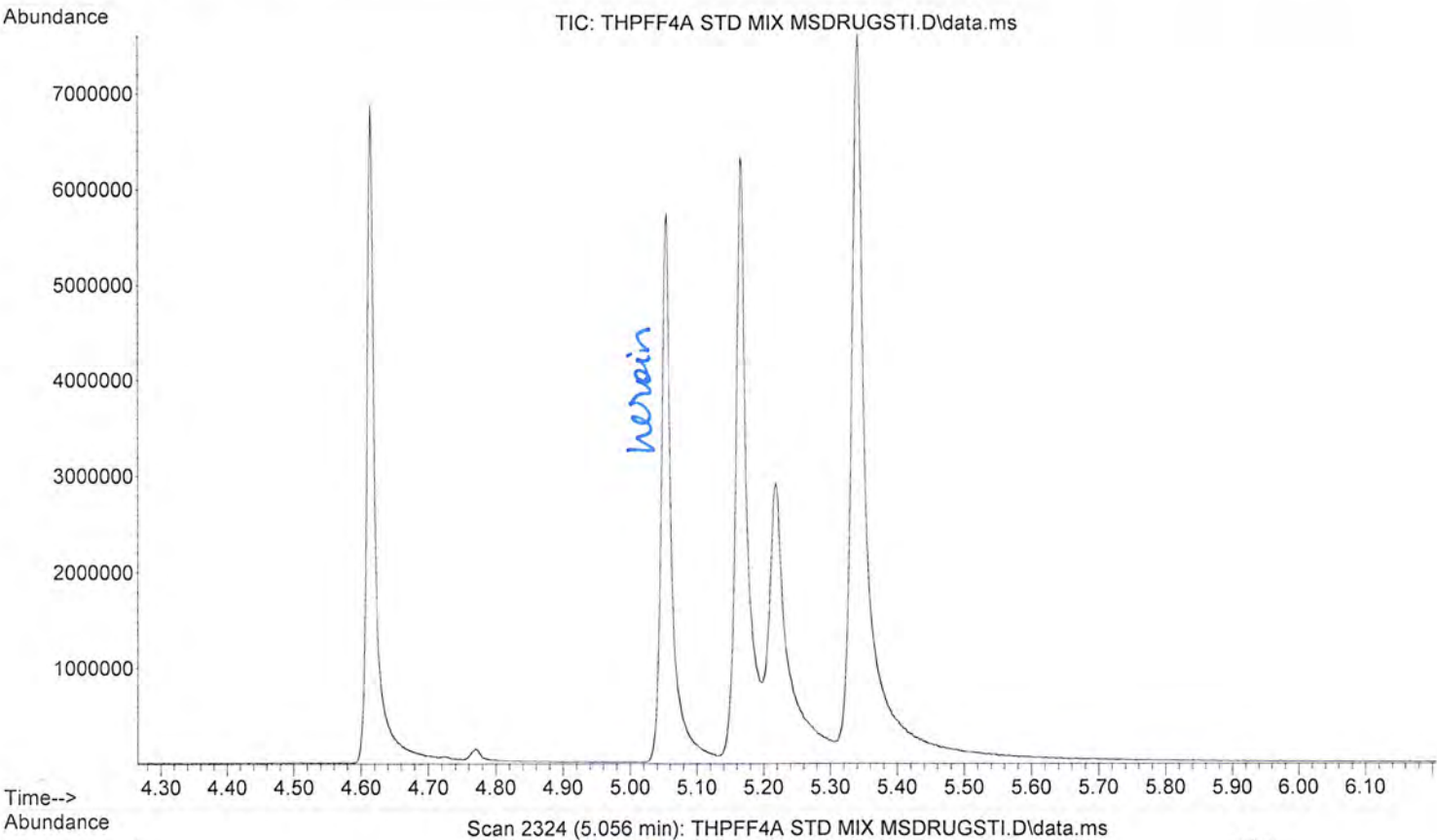
see next page for expanded view + identifications



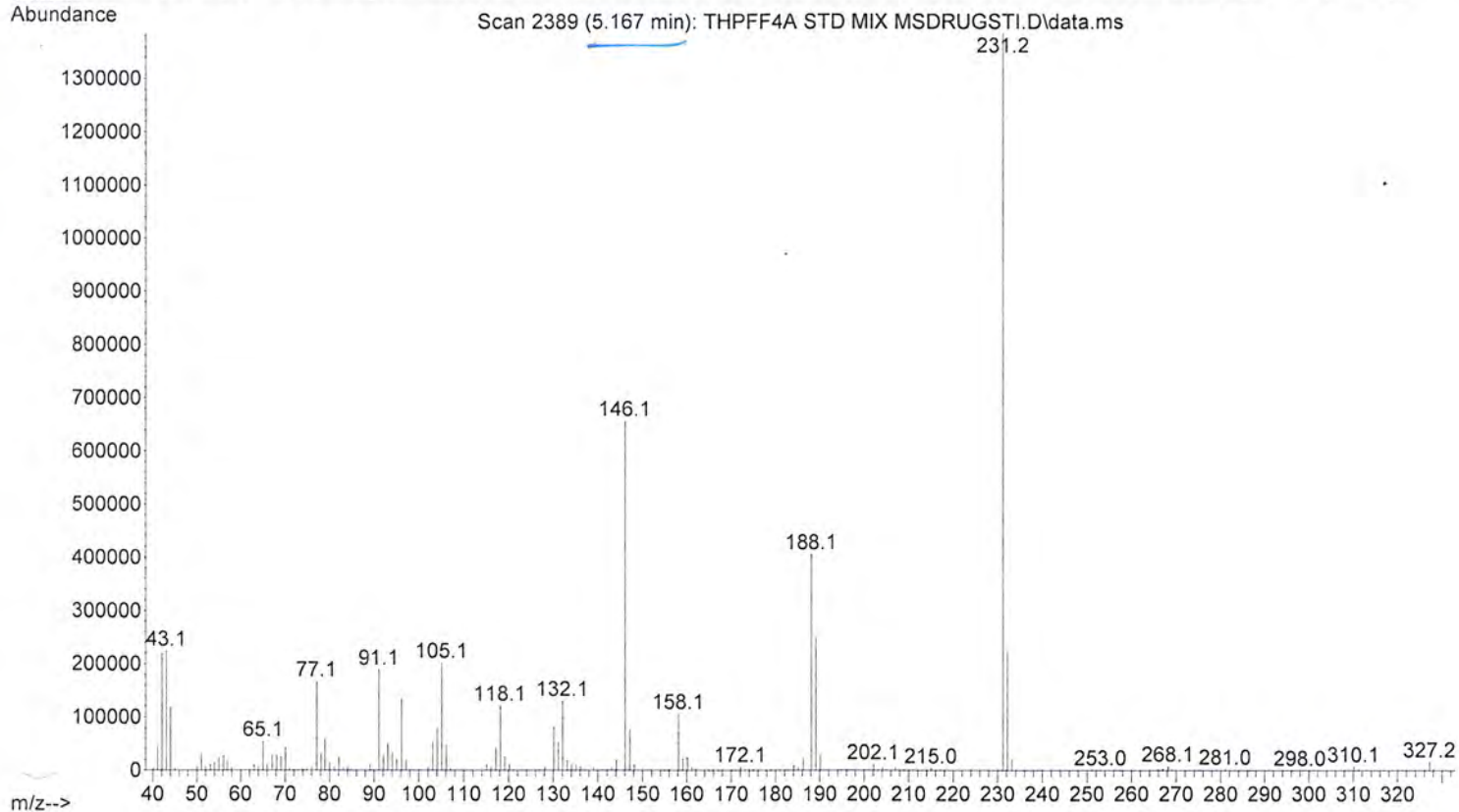
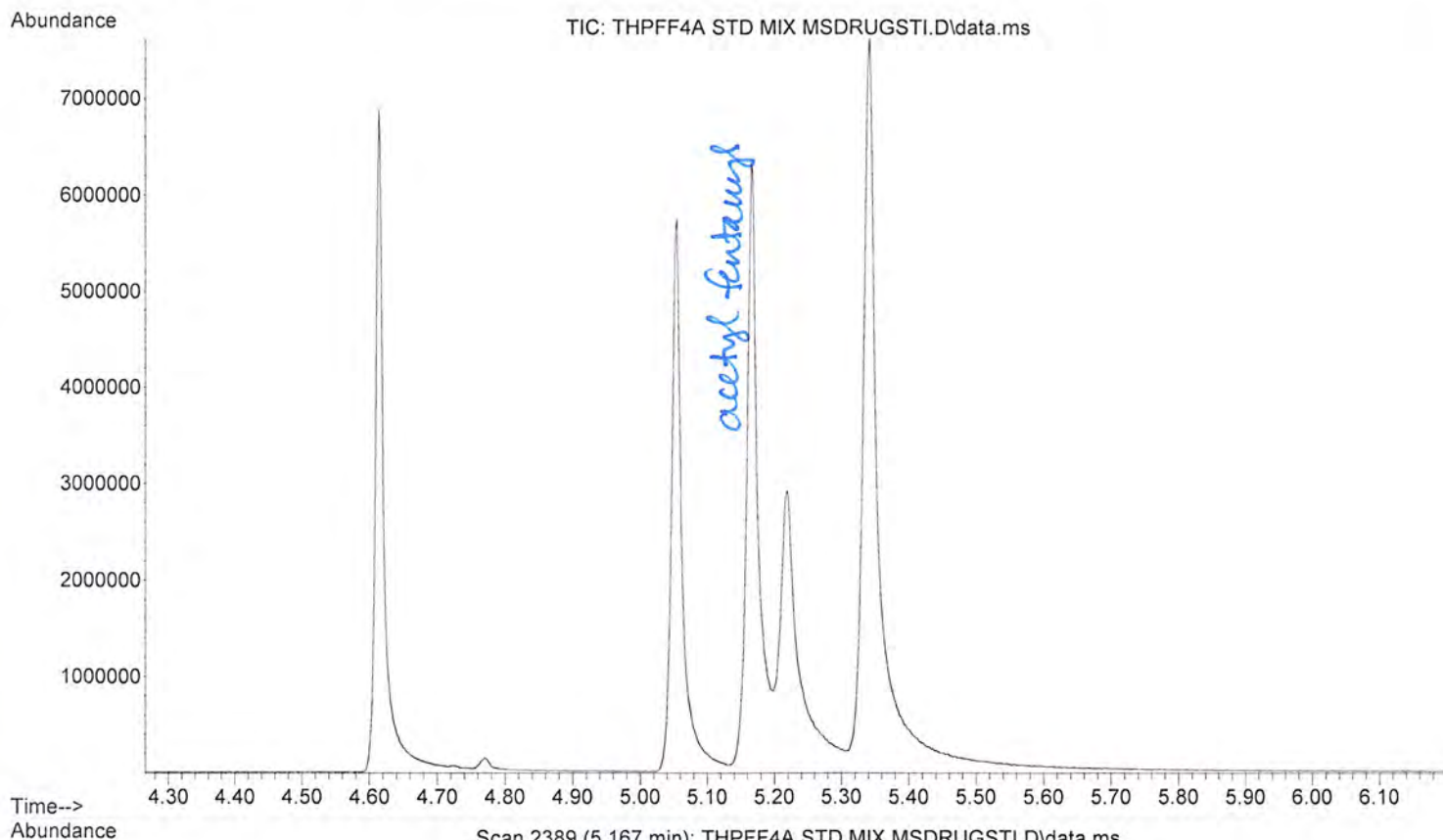
File :D:\MassHunter\GCMS\1\data\Standards --\MSDRUGSTI\THPFF4A STD
... MIX MSDRUGSTI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 22 Nov 2022 11:55 using AcqMethod MSDRUGSTI.M
Sample Name: THPFF4A STANDARD MIX MSDRUGSTI
Misc : MeOH



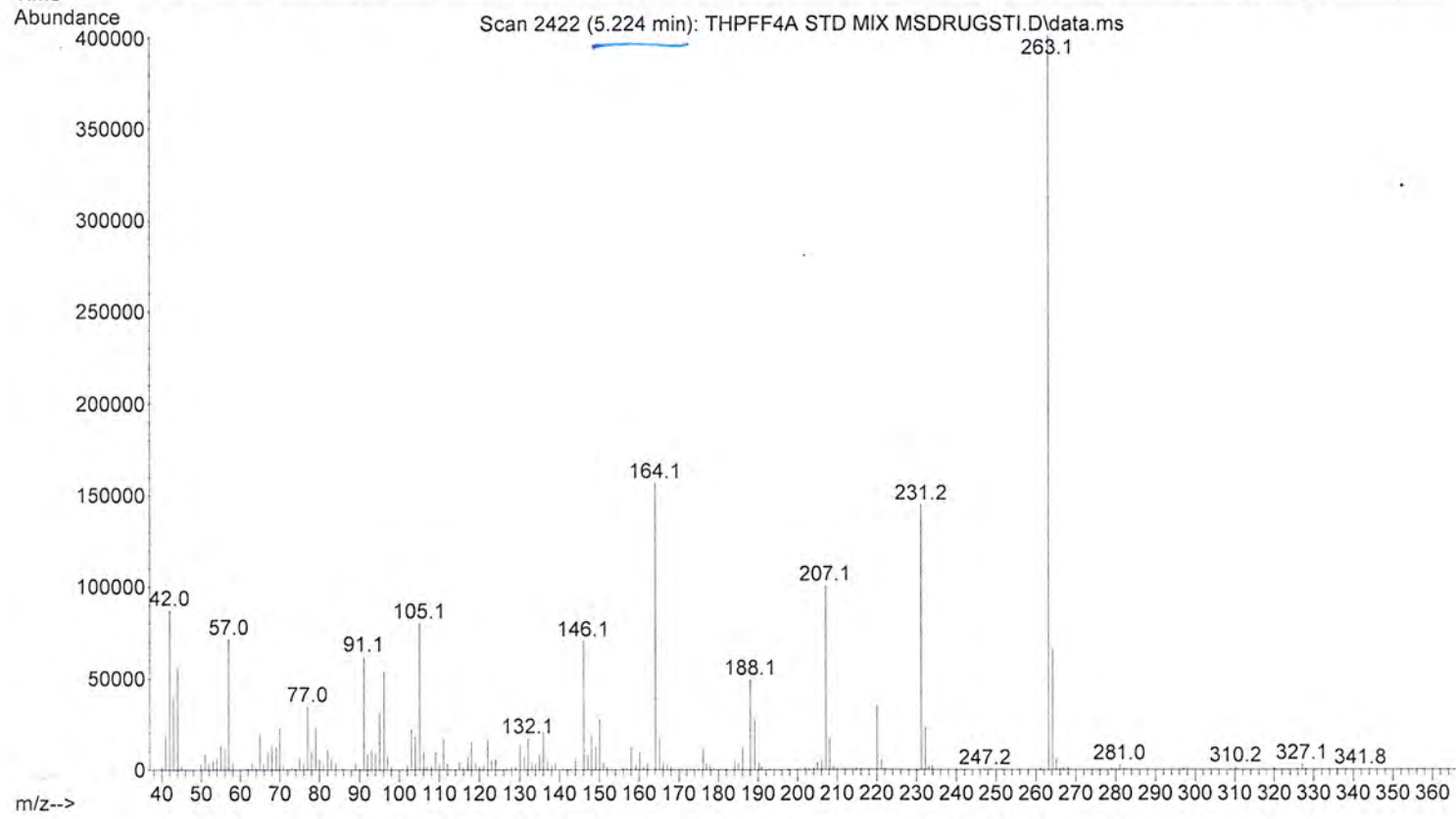
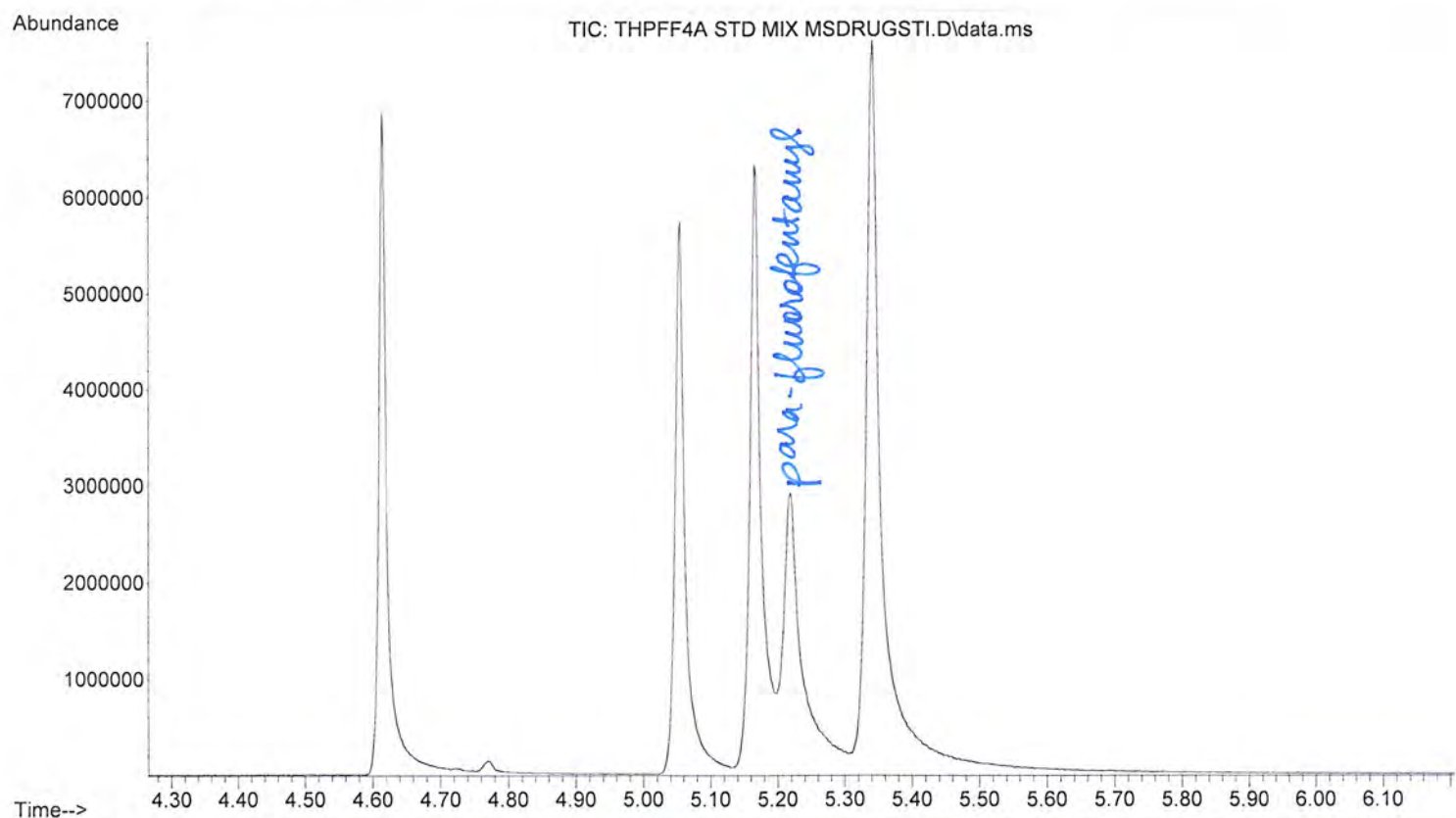
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... MIX MSDRUGSTI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 22 Nov 2022 11:55 using AcqMethod MSDRUGSTI.M
Sample Name: THPFF4A STANDARD MIX MSDRUGSTI
Misc : MeOH



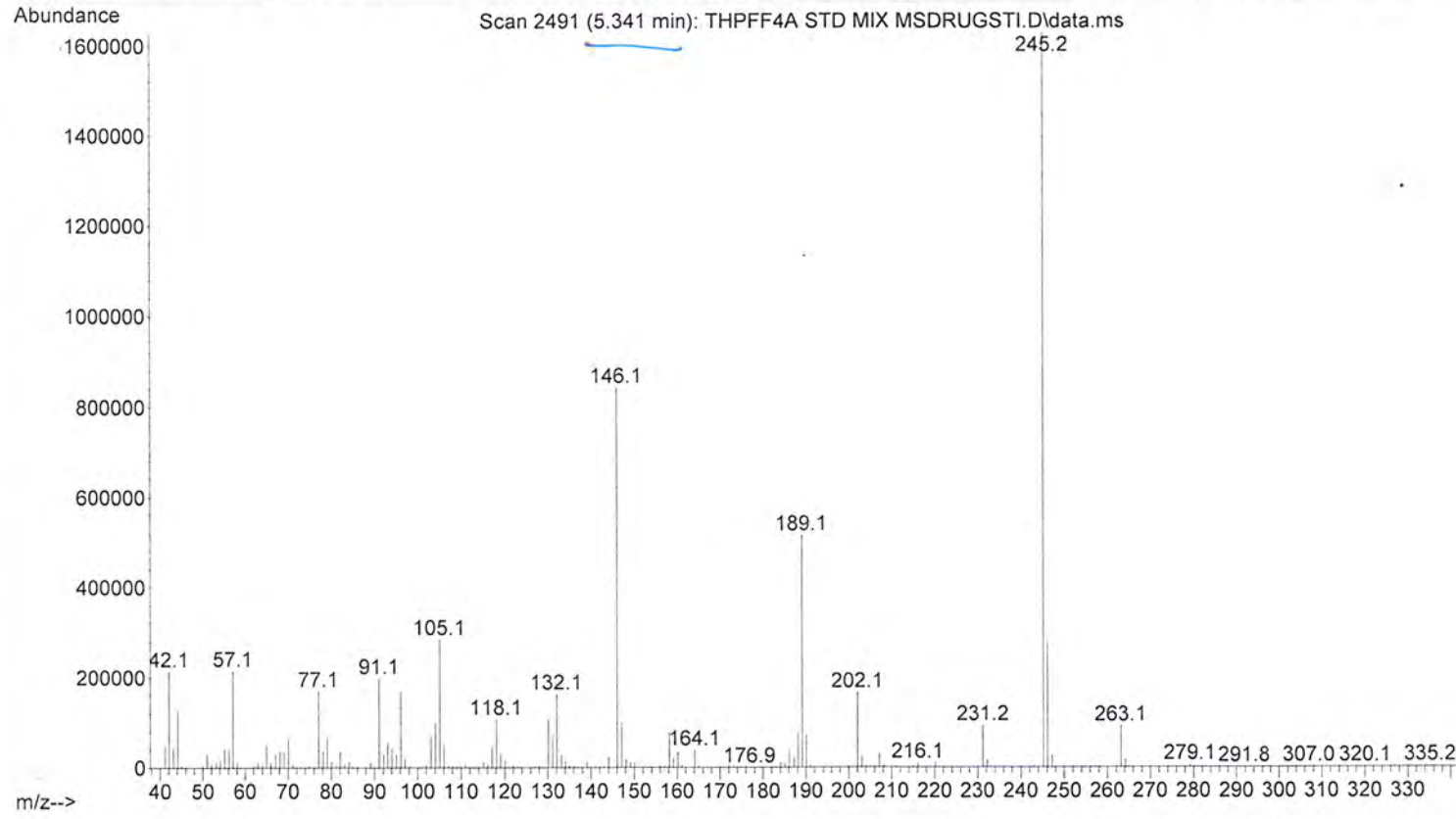
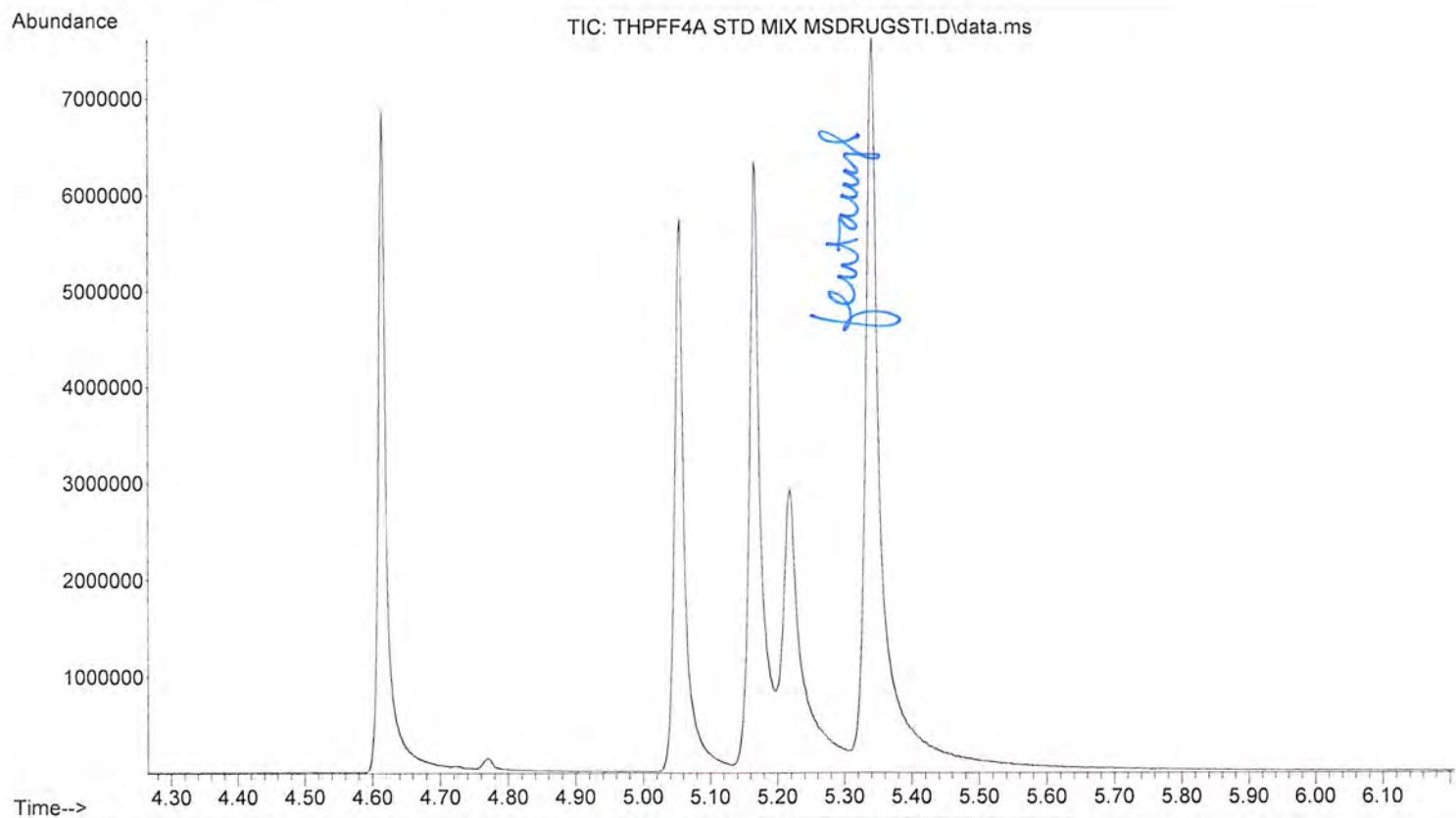
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... MIX MSDRUGSTI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 22 Nov 2022 11:55 using AcqMethod MSDRUGSTI.M
Sample Name: THPFF4A STANDARD MIX MSDRUGSTI
Misc : MeOH



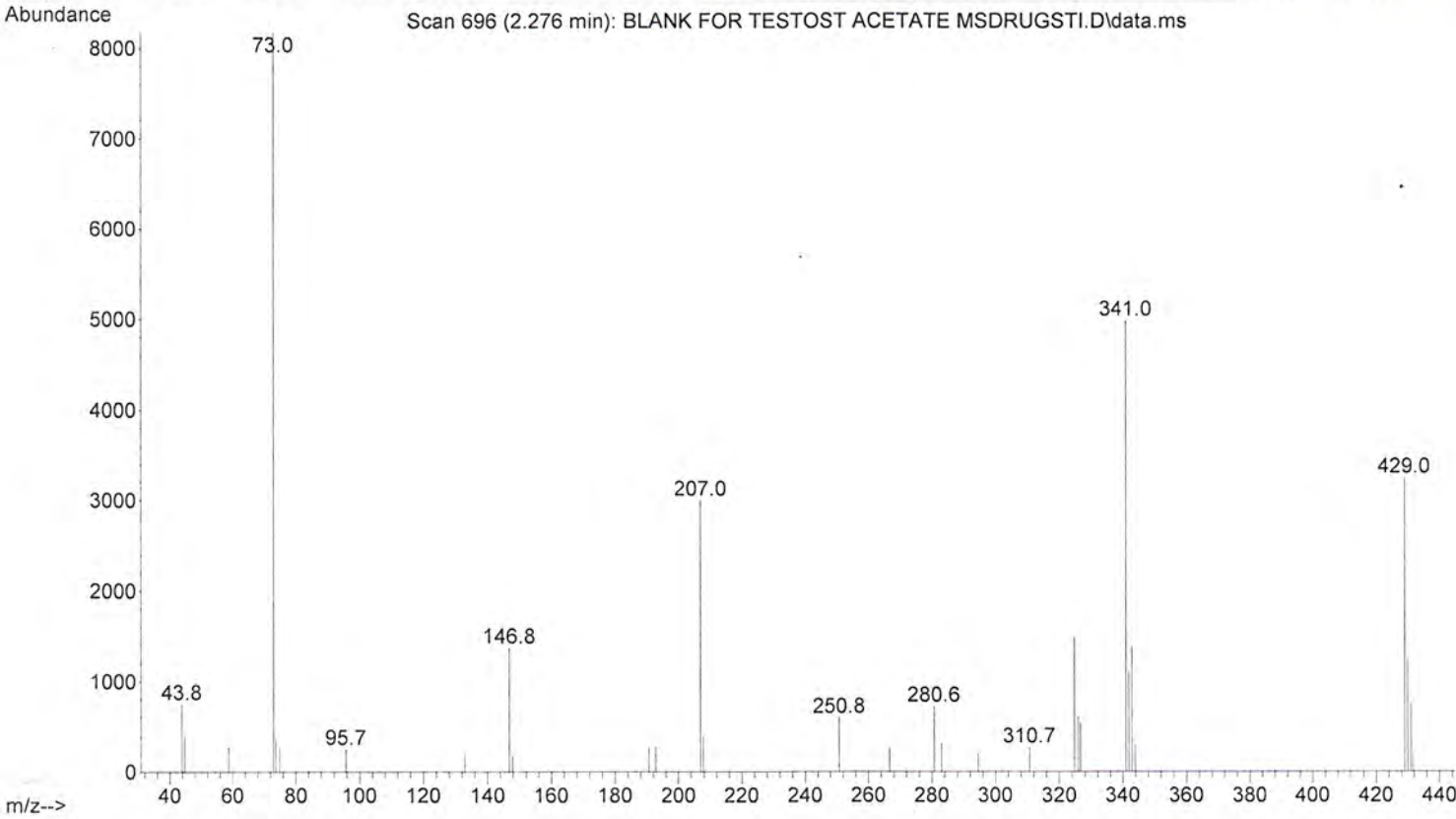
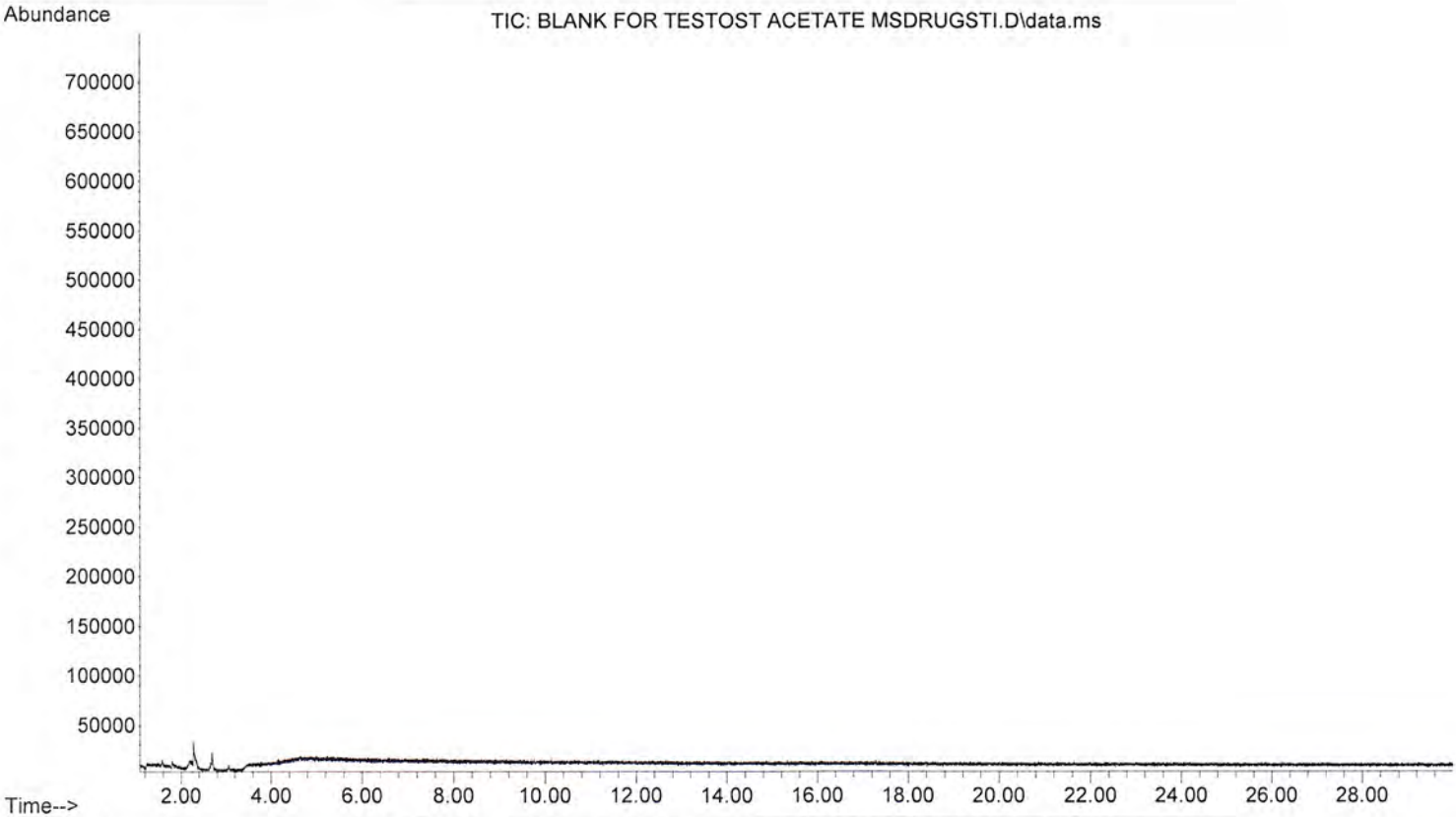
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... MIX MSDRUGSTI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 22 Nov 2022 11:55 using AcqMethod MSDRUGSTI.M
Sample Name: THPFF4A STANDARD MIX MSDRUGSTI
Misc : MeOH



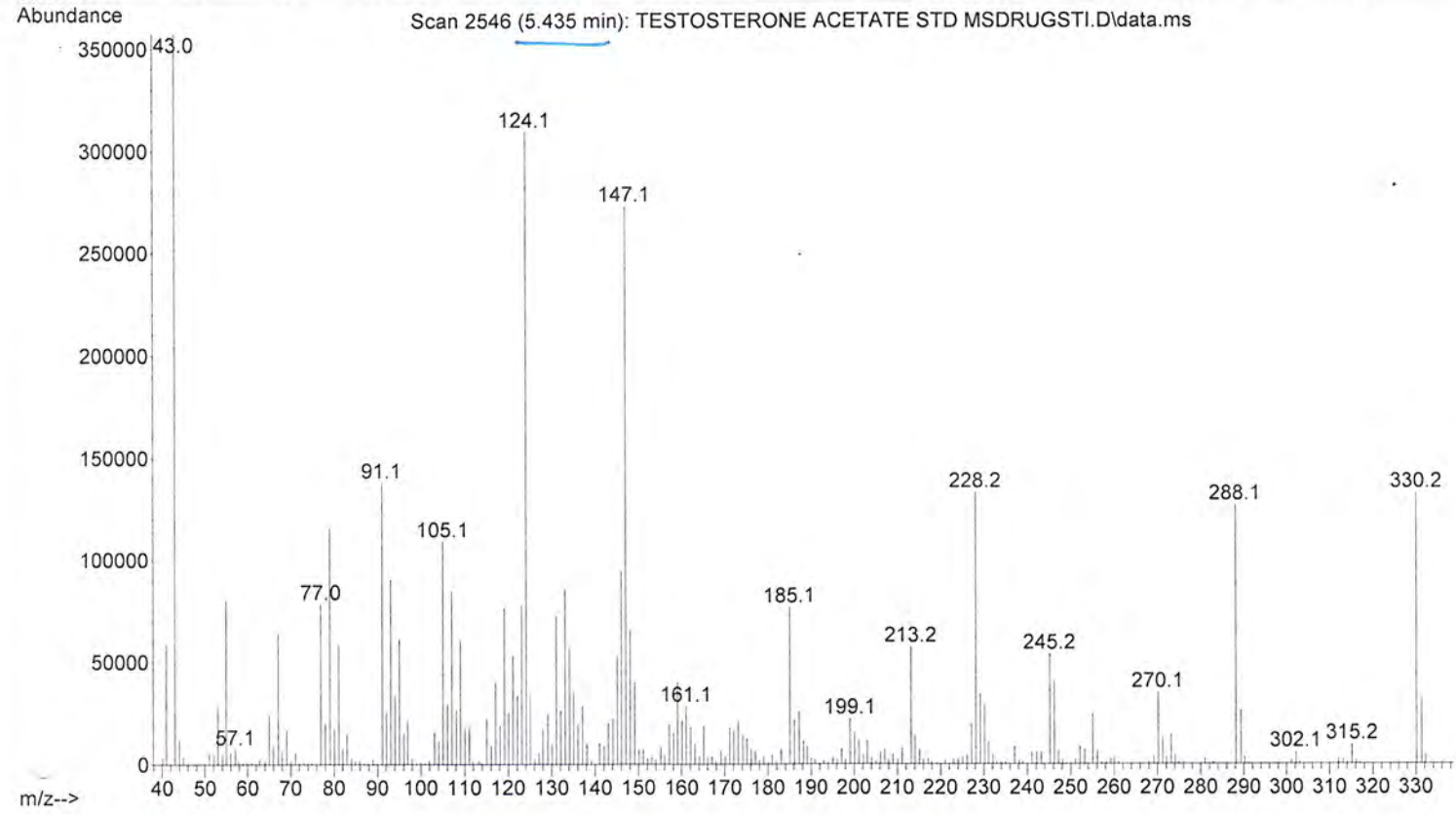
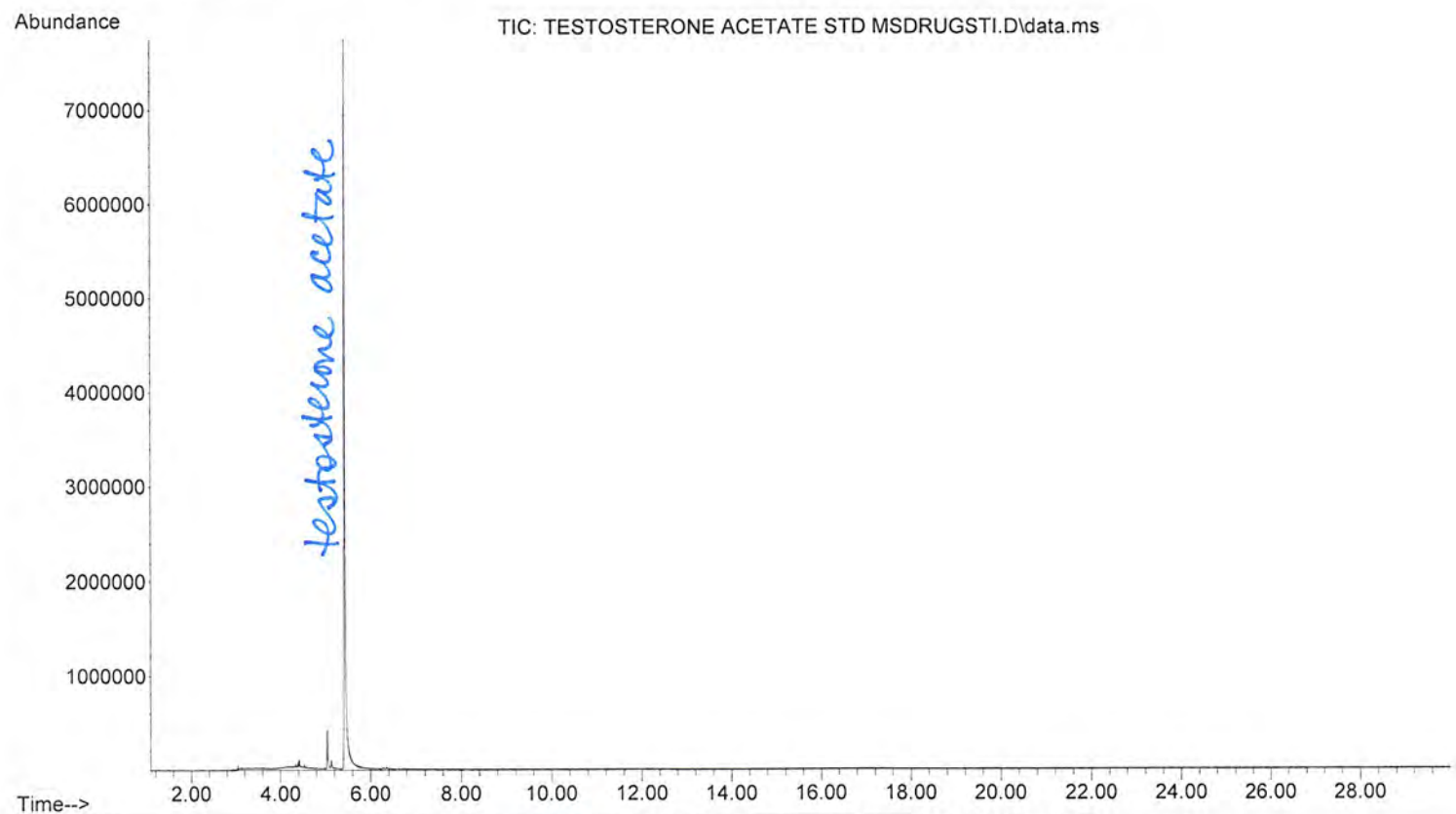
File :D:\MassHunter\GCMS\1\data\Standards --\MSDRUGSTI\THPFF4A STD
... MIX MSDRUGSTI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 22 Nov 2022 11:55 using AcqMethod MSDRUGSTI.M
Sample Name: THPFF4A STANDARD MIX MSDRUGSTI
Misc : MeOH



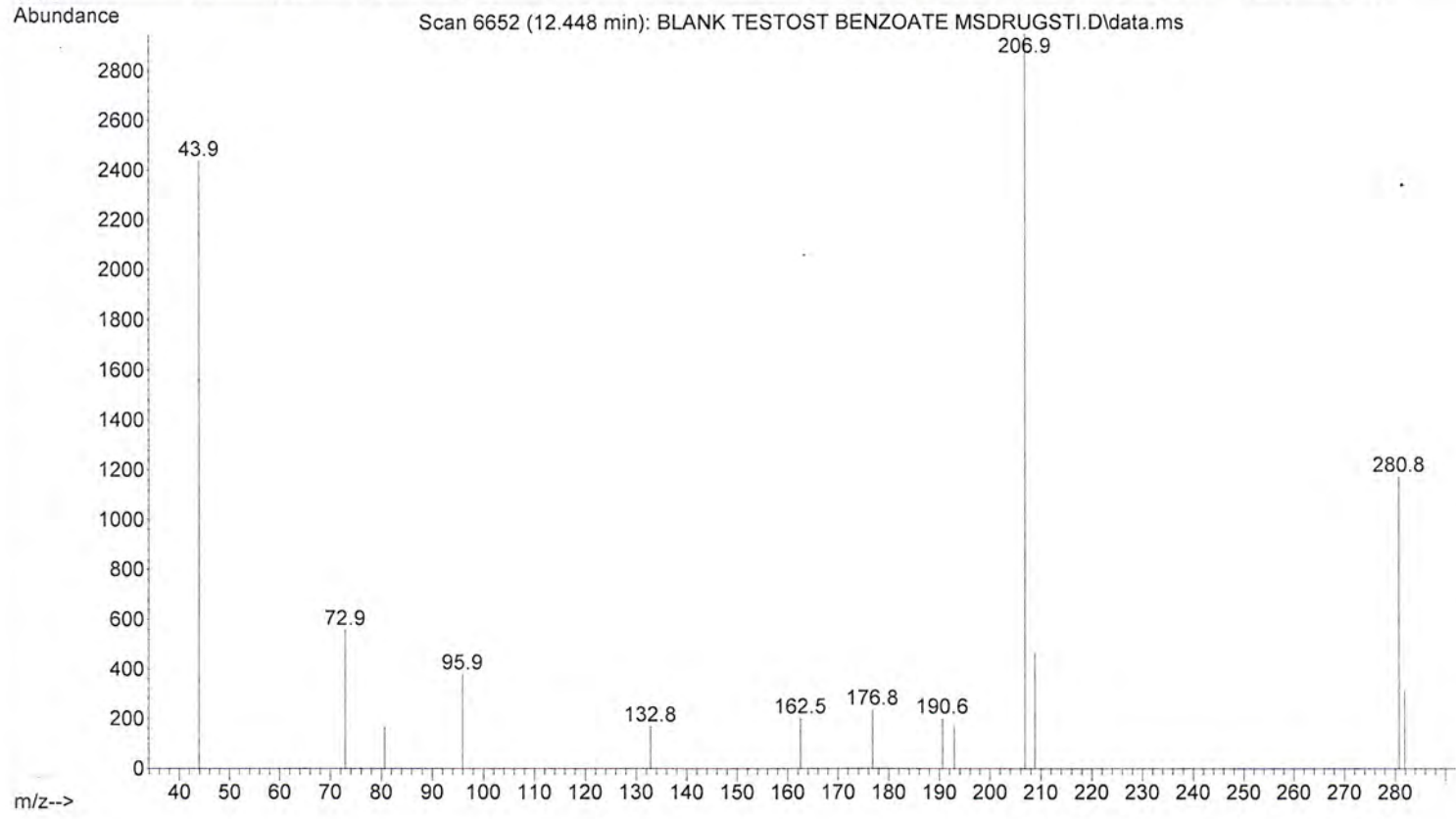
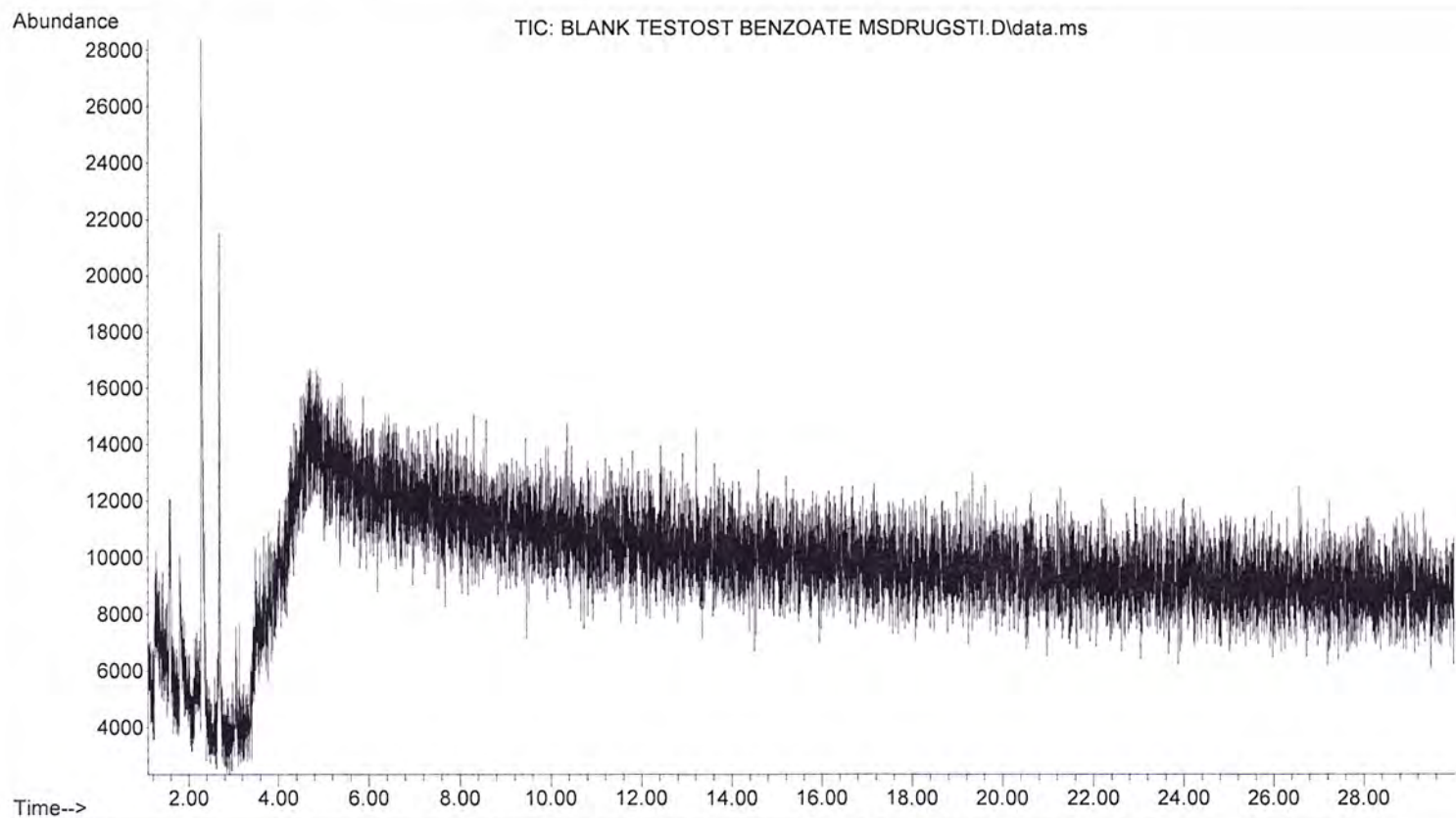
File :D:\MassHunter\GCMS\1\data\Standards --\MSDRUGSTI\BLANK FOR T
... ESTOST ACETATE MSDRUGSTI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 22 Nov 2022 14:01 using AcqMethod MSDRUGSTI.M
Sample Name: BLANK FOR TESTOST ACETATE MSDRUGSTI
Misc : MeOH



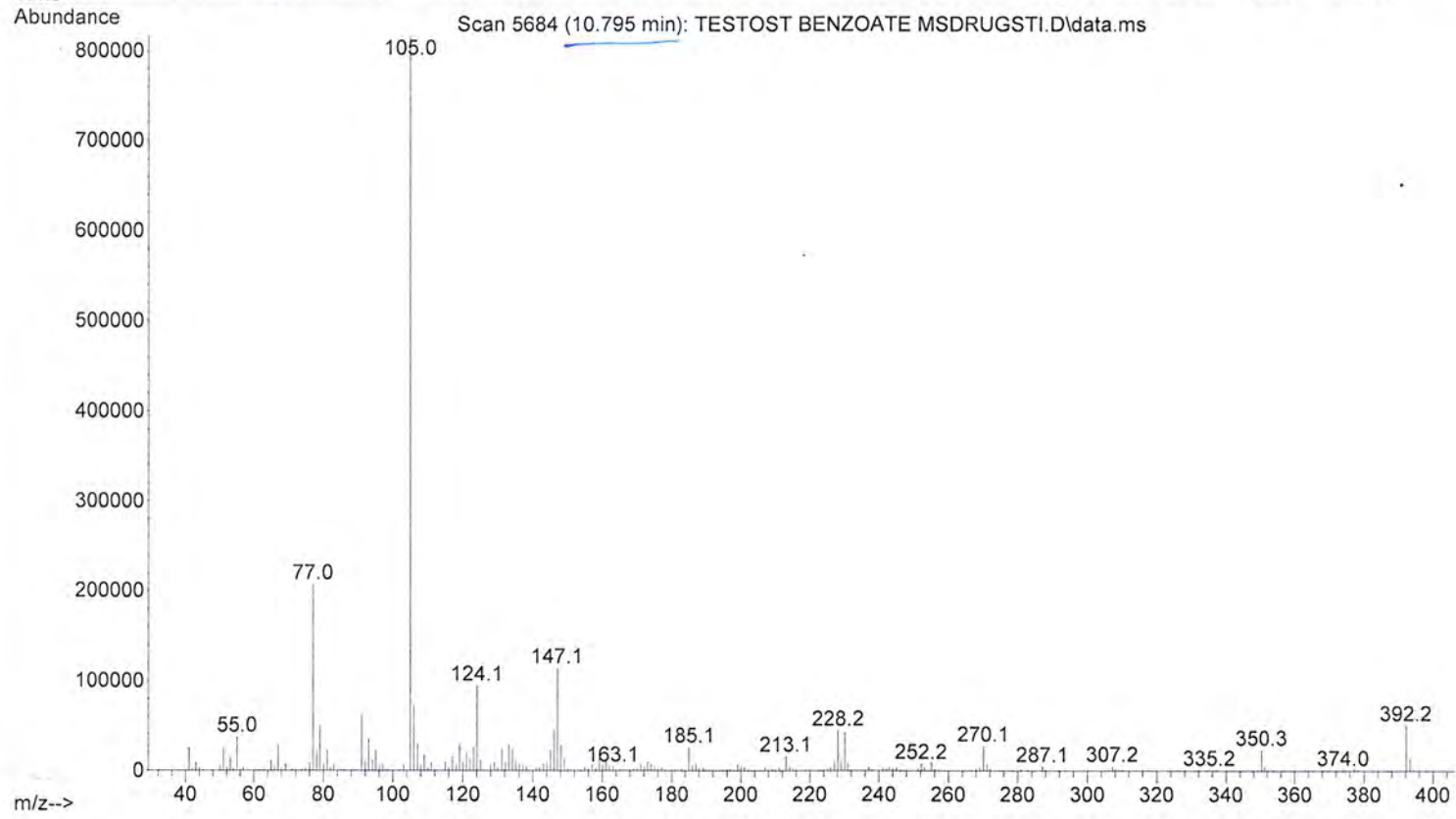
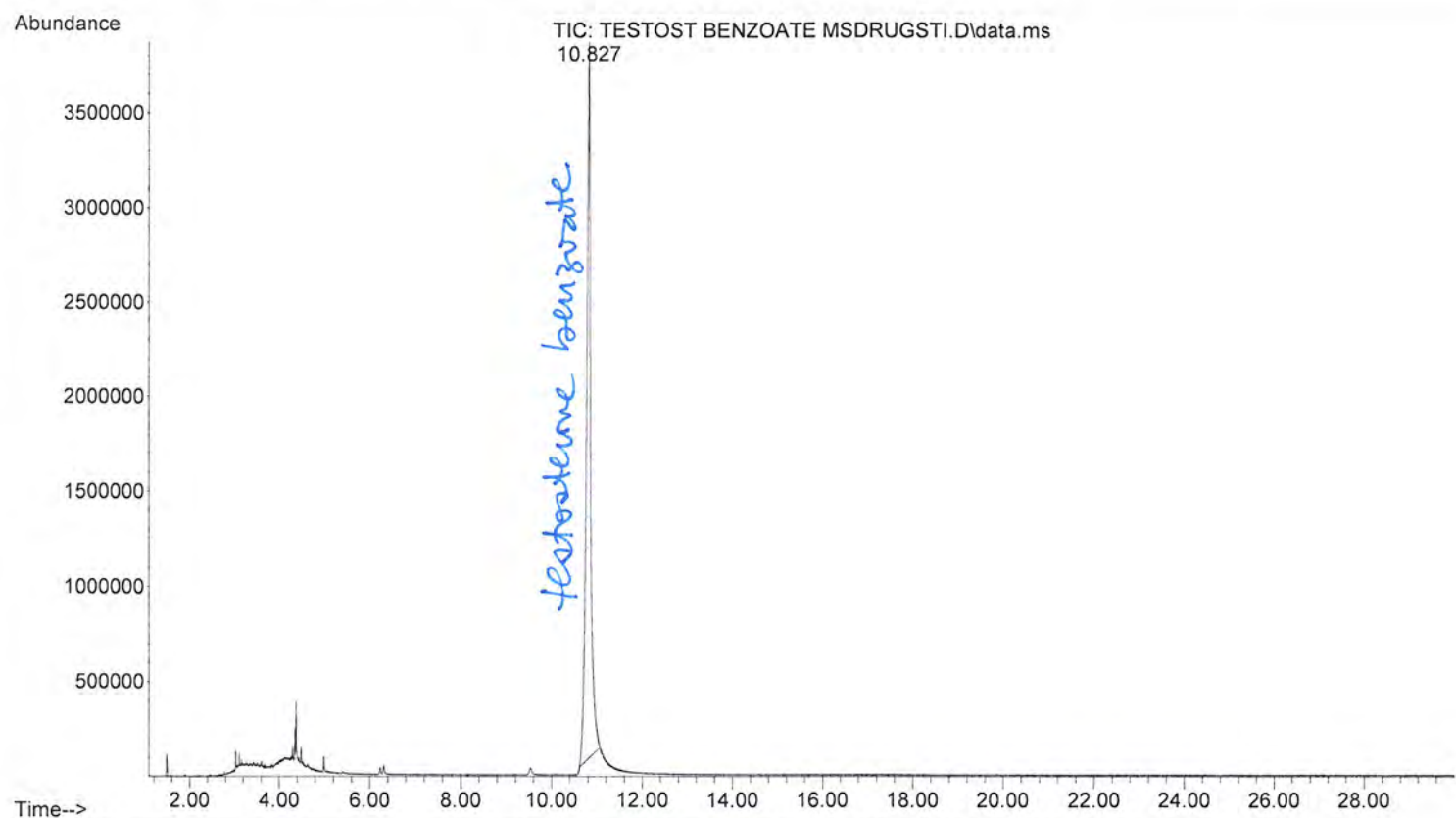
File :D:\MassHunter\GCMS\1\data\Standards --\MSDRUGSTI\TESTOSTERON
... E ACETATE STD MSDRUGSTI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 22 Nov 2022 14:33 using AcqMethod MSDRUGSTI.M
Sample Name: TESTOSTERONE ACETATE STD MSDRUGSTI
Misc : MeOH



File :D:\MassHunter\GCMS\1\data\Standards --\MSDRUGSTI\BLANK TESTO
... ST BENZOATE MSDRUGSTI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 22 Nov 2022 10:03 using AcqMethod MSDRUGSTI.M
Sample Name: BLANK FOR TESTOST BENZOATE MSDRUGSTI
Misc : MeOH



File :D:\MassHunter\GCMS\1\data\Standards --\MSDRUGSTI\TESTOST BEN
... ZOATE MSDRUGSTI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 22 Nov 2022 10:35 using AcqMethod MSDRUGSTI.M
Sample Name: TESTOSTERONE BENZOATE MSDRUGSTI
Misc : MeOH



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 a manual injection MS 280 Isothermal / 20 minute method.

END OF METHOD CONTROL PARAMETERS

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

Tue Nov 29 11:53:42 2022

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 70 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 19 min

Equilibration Time 0.25 min
x Temperature 325 °C
ximum 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 4 µL
Solvent B Washes (PreInj) 0
Solvent B Washes (PostInj) 0
Solvent B Volume 4 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 3000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 3000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.5 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	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	0.2 µL
Solvent Wash Mode	A, B
Sample Overlap Mode	Sample overlap is not enabled
ALS Errors	Pause for user interaction
Front SS Inlet He	Off
Helium Conservation Controlled 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	Off
Helium Conservation Controlled Mode	Split
Heater	On 300 °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	0.57353 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
Out	MSD
(Initial)	280 °C
Pressure	17.5 psi
Flow	0.82271 mL/min
Average Velocity	55.81 cm/sec
Holdup Time	0.37329 min
Control Mode	Constant Flow

Column #2	
Pressure	
Setpoint	On
(Initial)	8.5 psi
Post Run	10 psi

Column Information	Agilent 19091S-913
Description	HP-1ms
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: US2227M017

Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
34.899	:	REPELLER	
90.331	:	IONFOCUS	
27.717	:	ENTRANCE_LENS	
1057.682	:	EMVOLTS	
			1094.9 : Actual EMV
			1.00 : GAIN FACTOR
3306.000	:	AMUGAIN	
141.563	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
9.621	:	ENTLENSOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
507.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT 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
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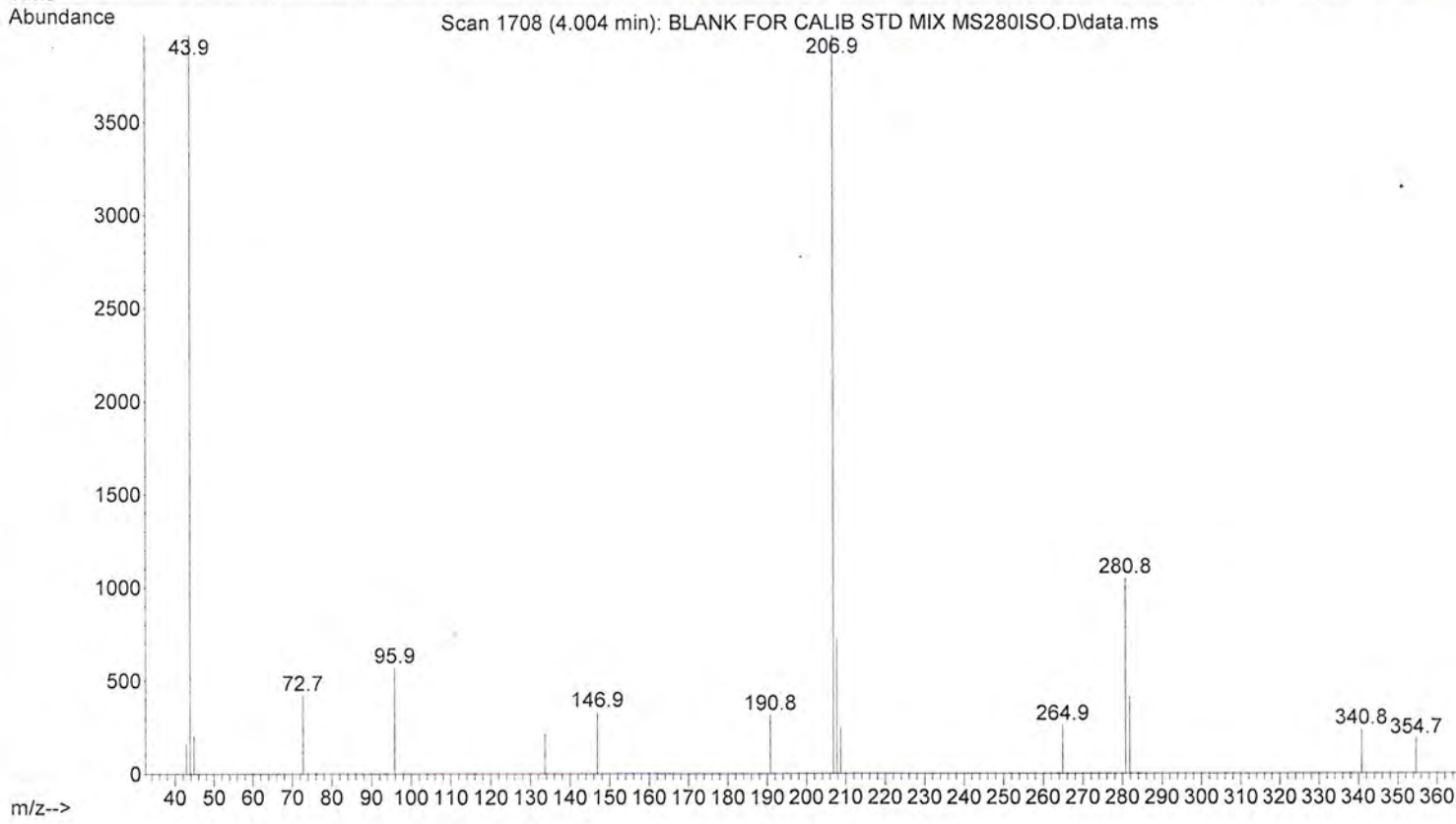
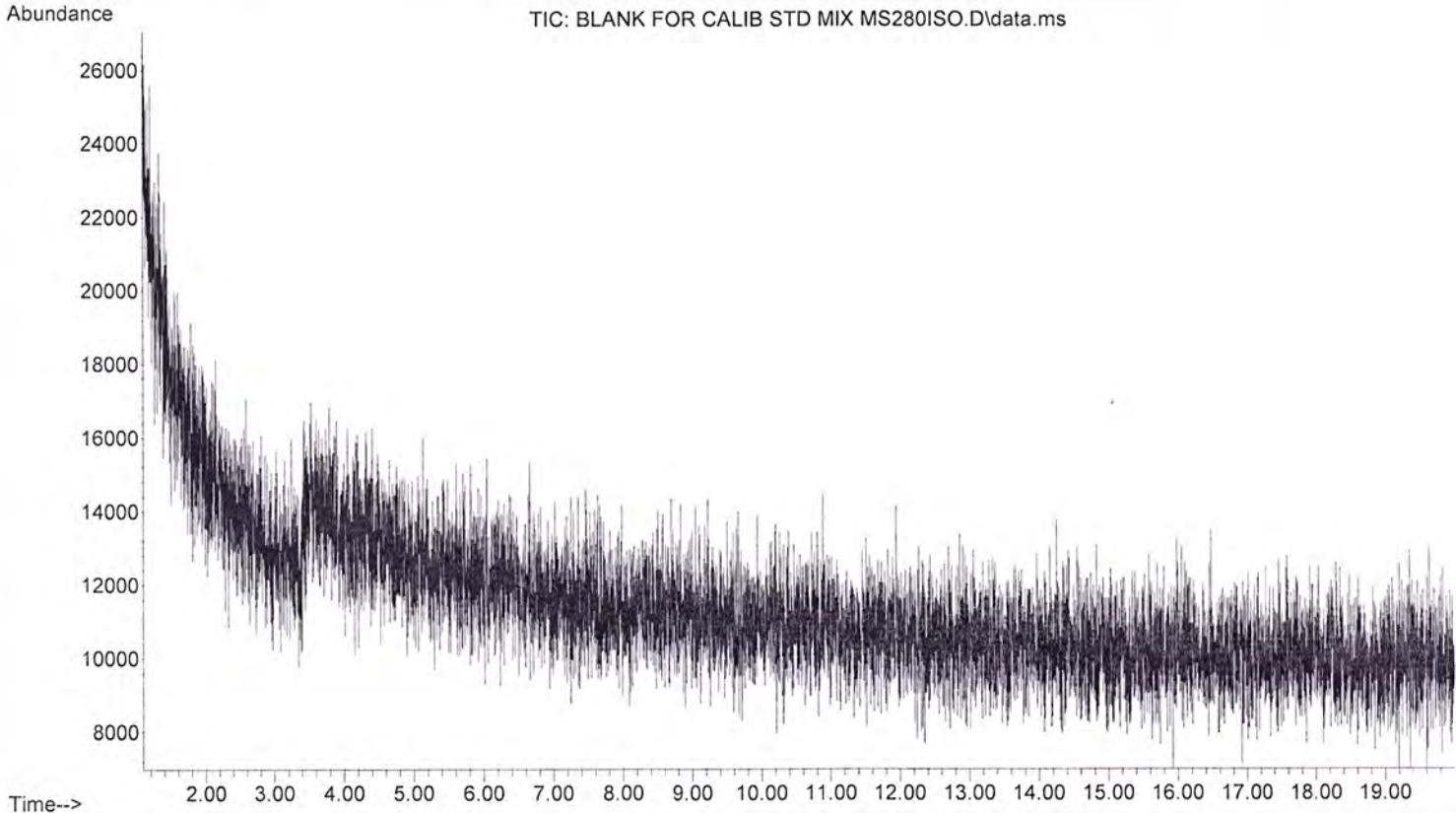
Real-Time Plots

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

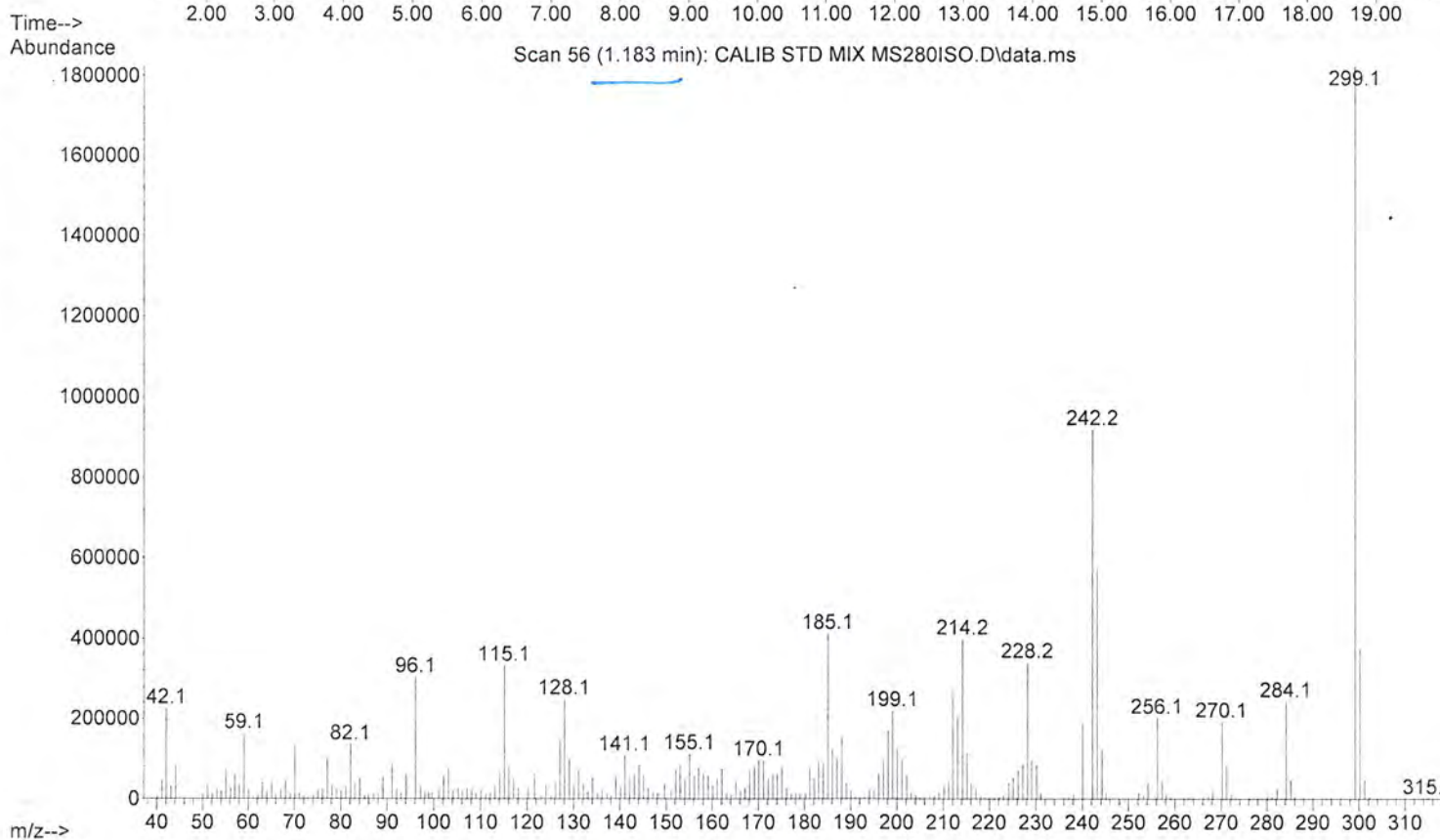
Self-Cleaning Ion Source Parameters

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

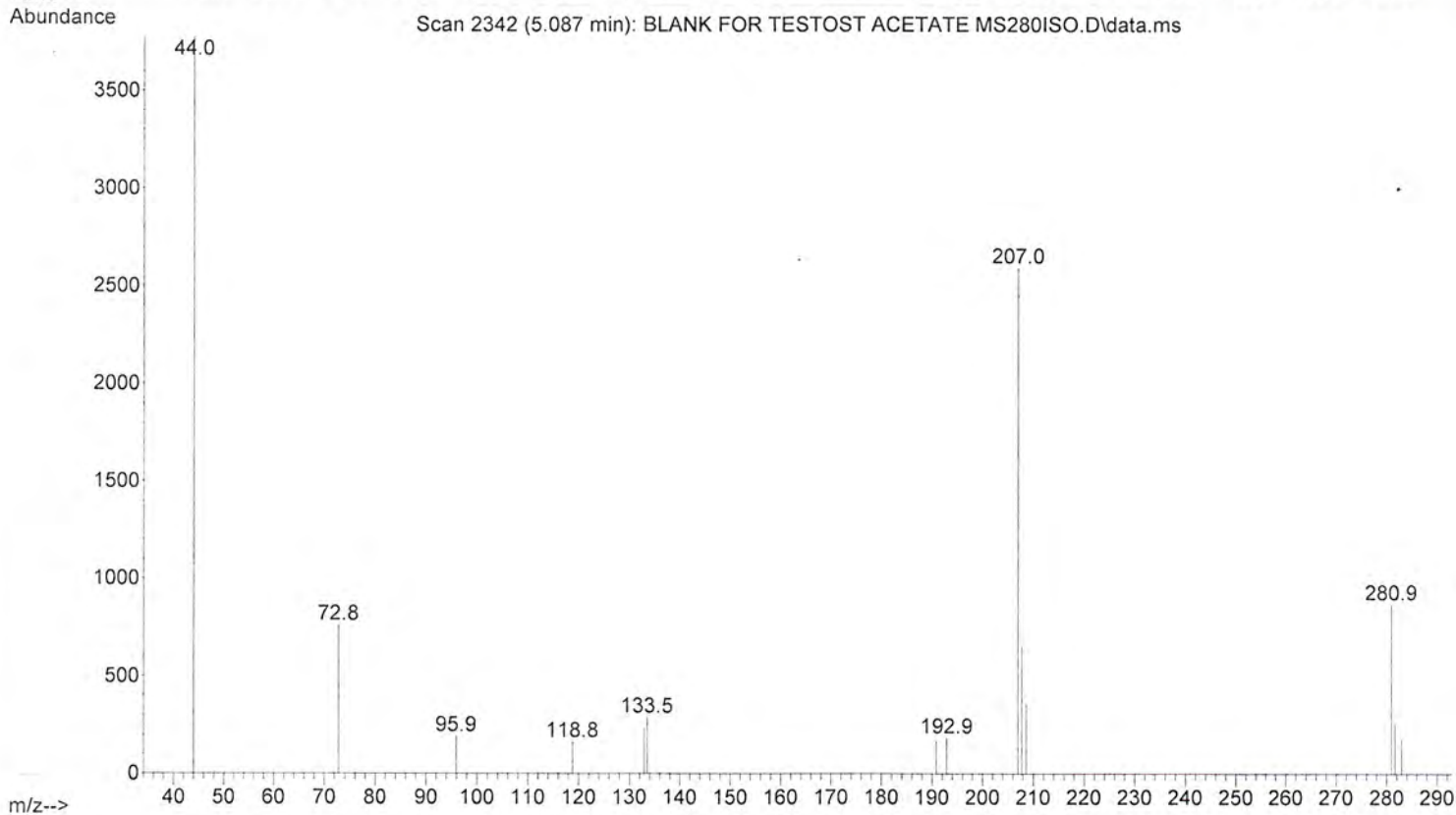
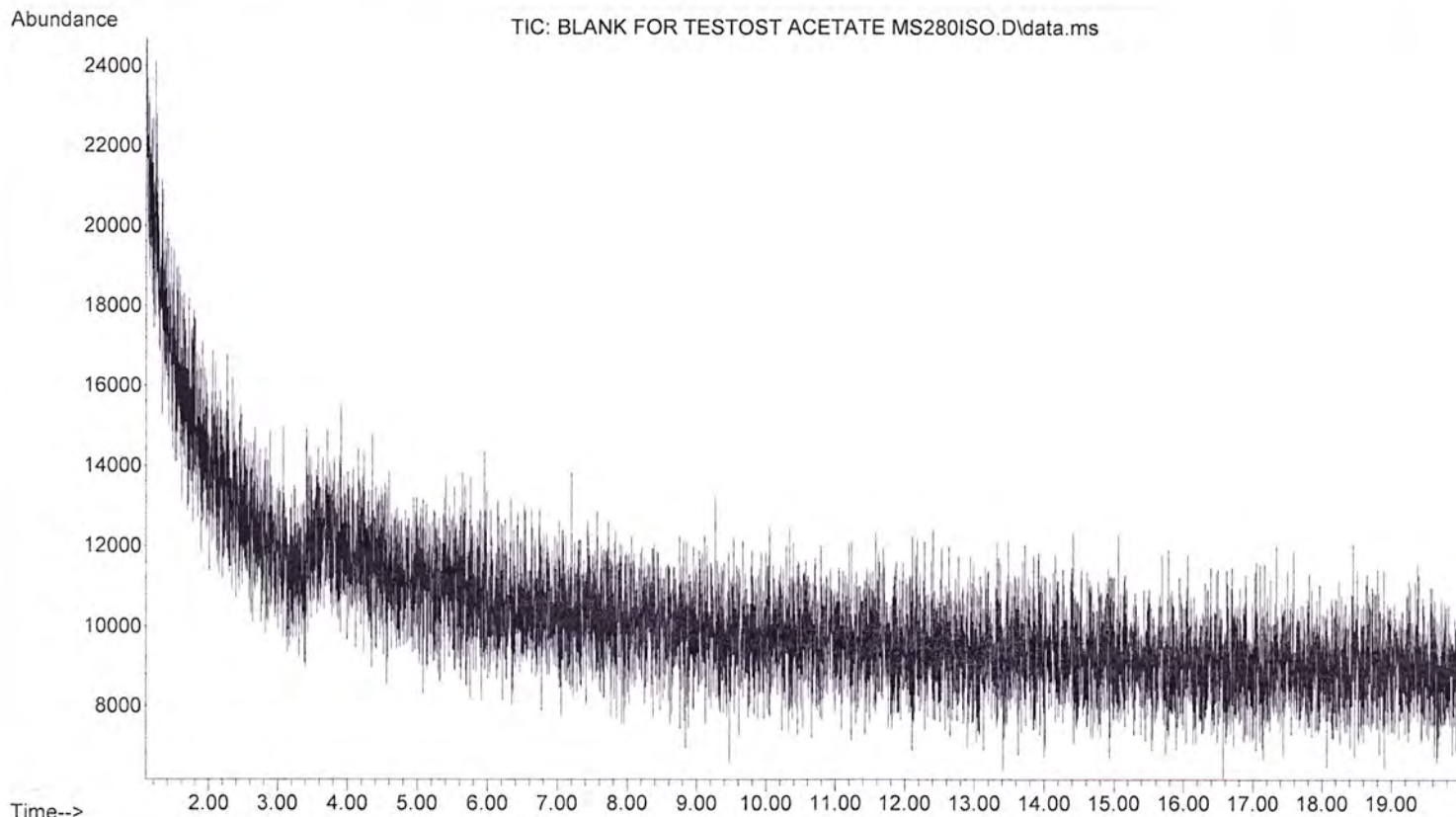
File :D:\MassHunter\GCMS\1\data\Standards --\MS280ISO\BLANK FOR CA
... LIB STD MIX MS280ISO.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 14 Nov 2022 09:03 using AcqMethod MS280ISO.M
Sample Name: BLANK FOR CALIB STD MIX MS280ISO
Misc Info : MeOH



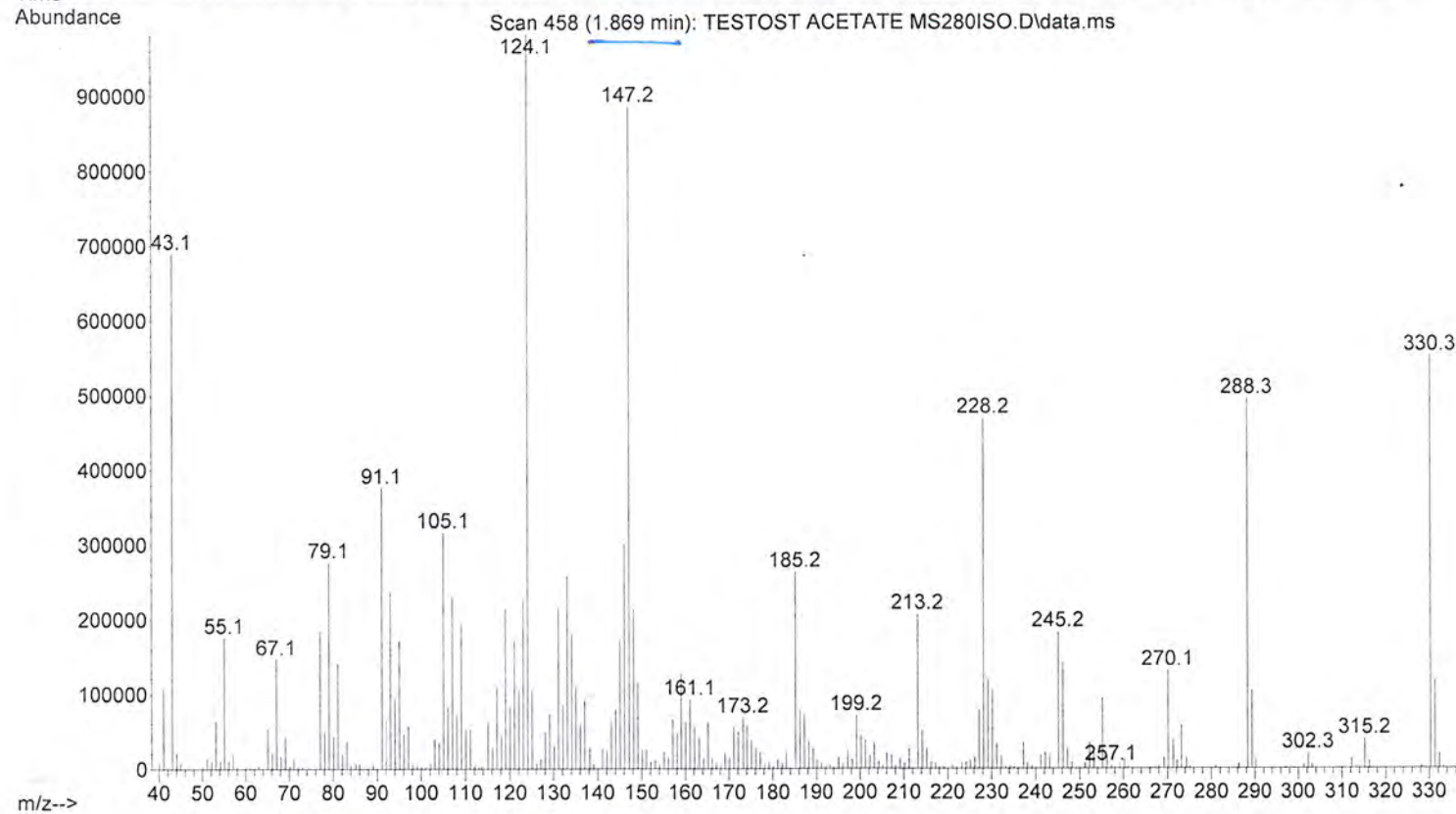
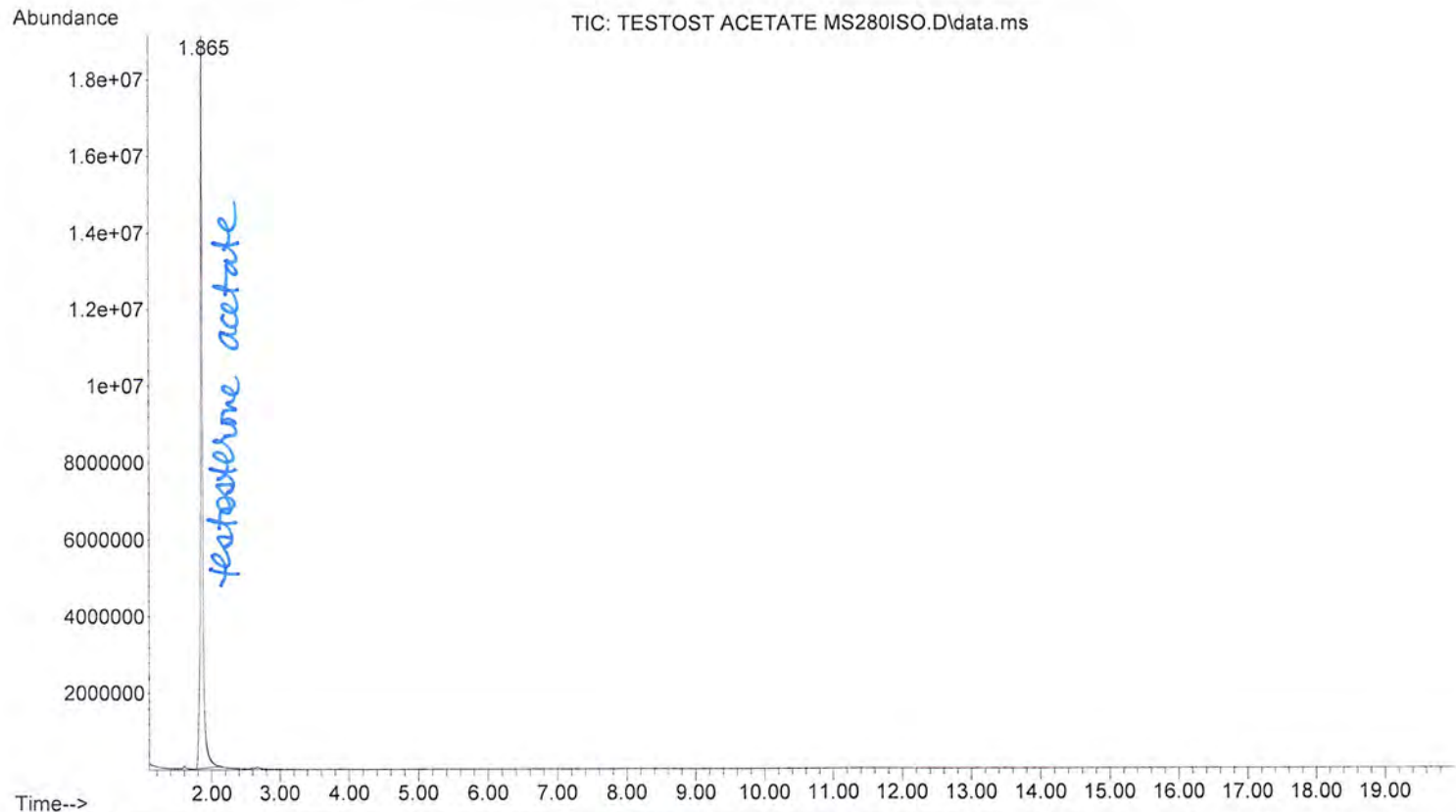
File :D:\MassHunter\GCMS\1\data\Standards --\MS280ISO\CALIB STD MI
... X MS280ISO.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 14 Nov 2022 09:24 using AcqMethod MS280ISO.M
Sample Name: CALIB STD MIX MS280ISO
Misc Info : MeOH



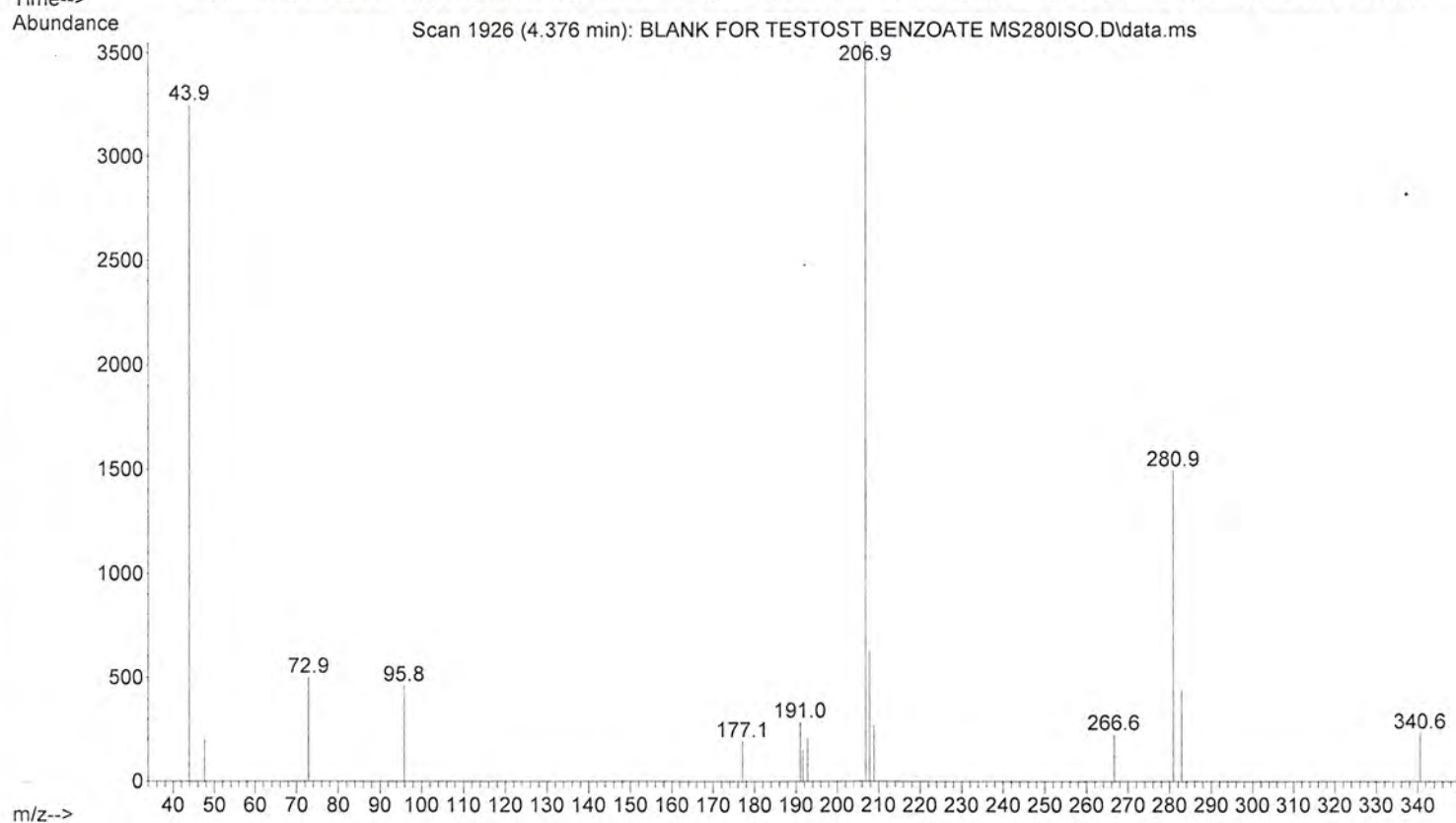
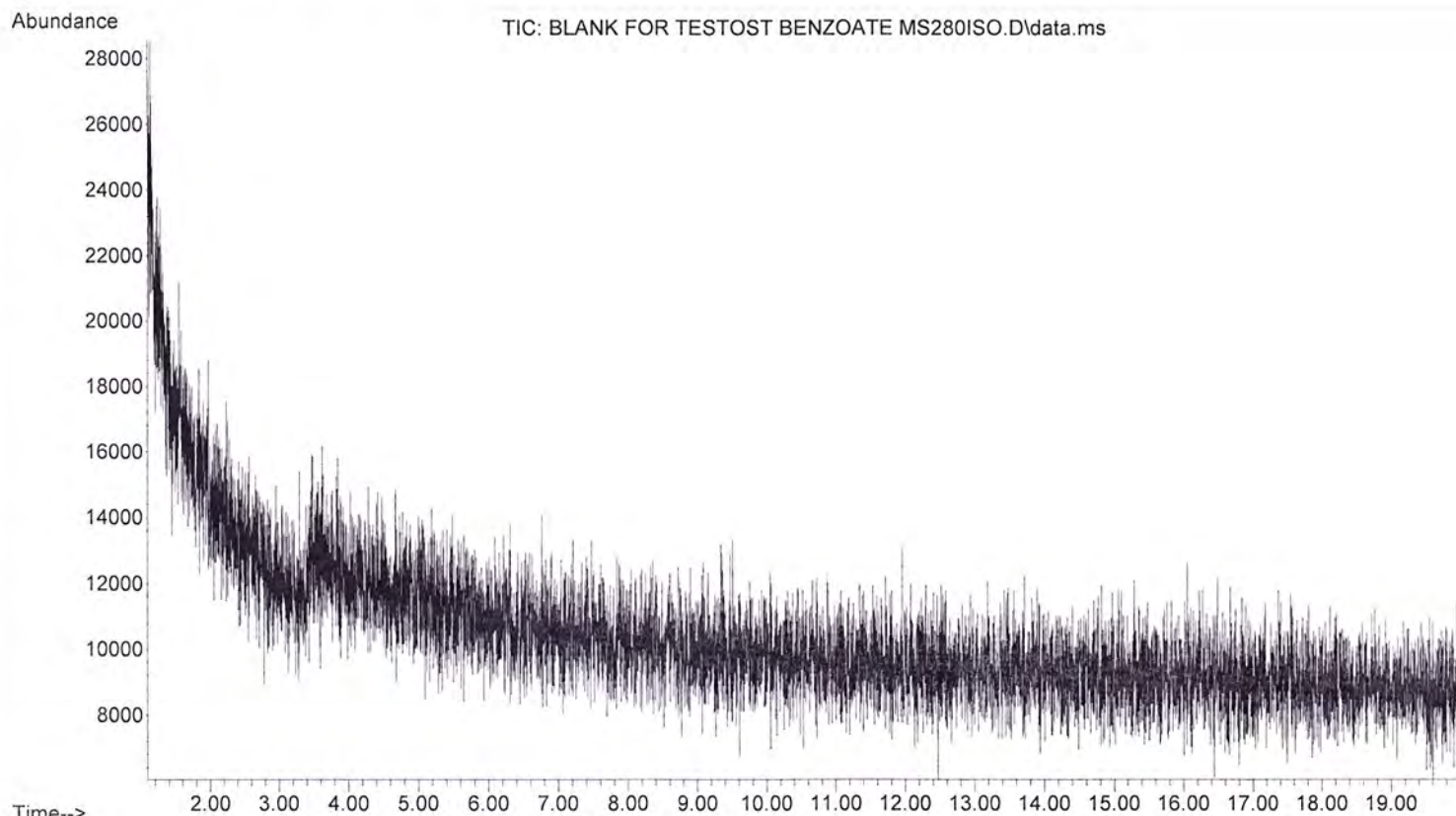
File :D:\MassHunter\GCMS\1\data\Standards --\MS280ISO\BLANK FOR TE
... STOST ACETATE MS280ISO.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 14 Nov 2022 10:06 using AcqMethod MS280ISO.M
Sample Name: BLANK FOR TESTOST ACETATE MS280ISO
Misc Info : MeOH



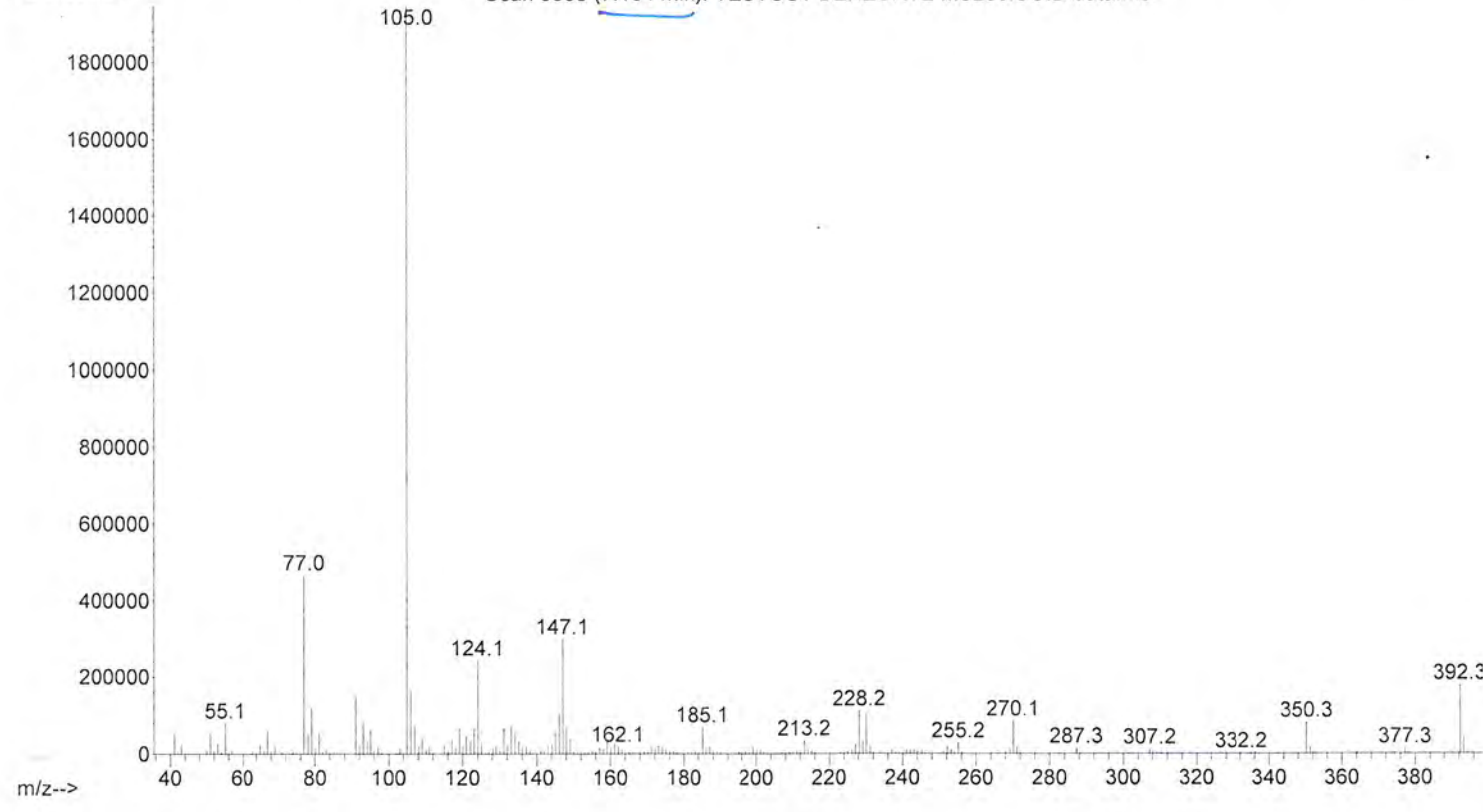
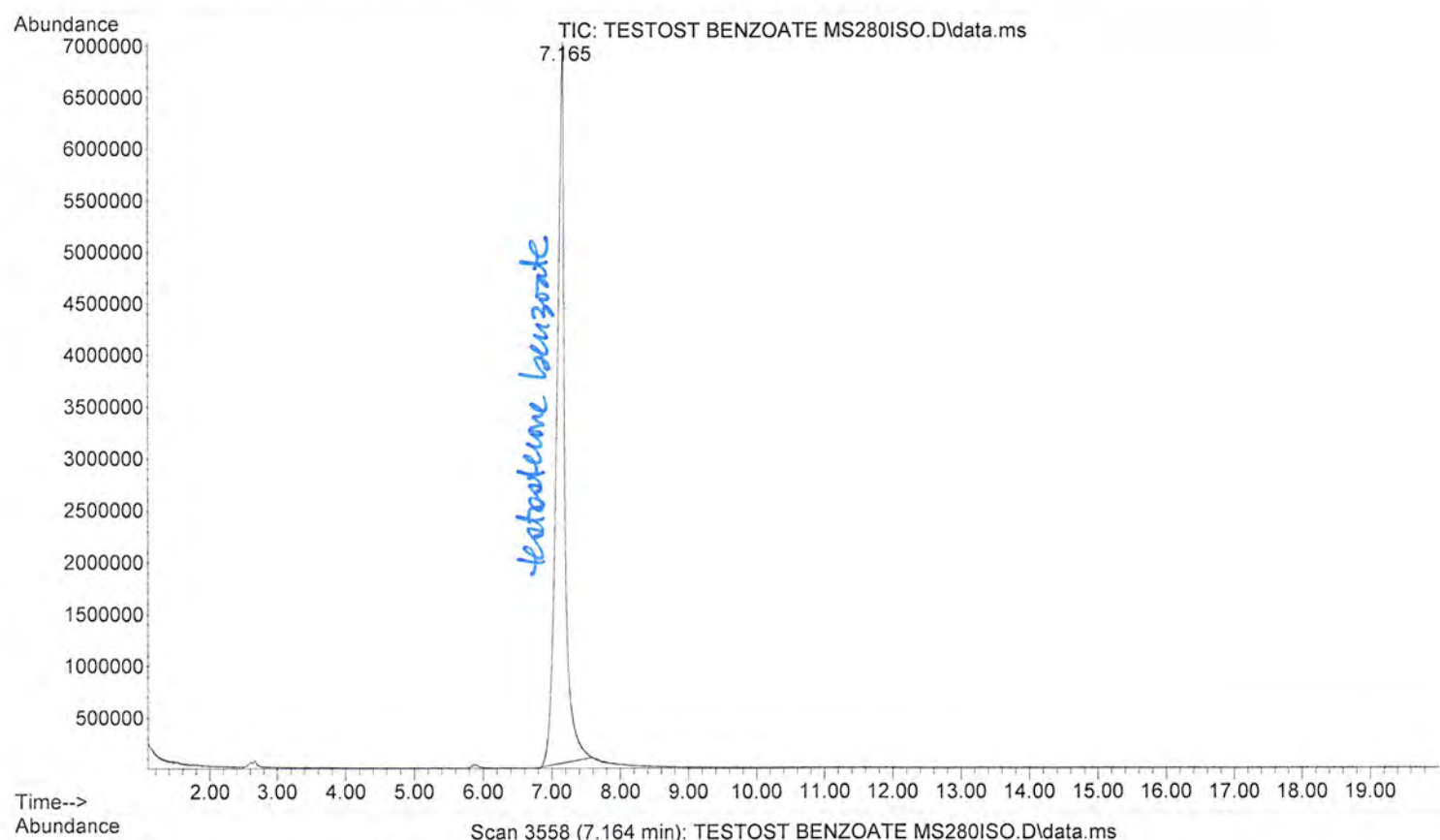
File :D:\MassHunter\GCMS\1\data\Standards --\MS280ISO\TESTOST ACET
... ATE MS280ISO.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 14 Nov 2022 10:27 using AcqMethod MS280ISO.M
Sample Name: TESTOST ACETATE MS280ISO
Mi nfo : MeOH



File :D:\MassHunter\GCMS\1\data\Standards --\MS280ISO\BLANK FOR TE
... STOST BENZOATE MS280ISO.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 14 Nov 2022 11:10 using AcqMethod MS280ISO.M
Sample Name: BLANK FOR TESTOST BENZOATE MS280ISO
Misc info : MeOH



File :D:\MassHunter\GCMS\1\data\Standards --\MS280ISO\TESTOST BENZ
... OATE MS280ISO.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 14 Nov 2022 11:31 using AcqMethod MS280ISO.M
Sample Name: TESTOST BENZOATE MS280ISO
Misc Info : MeOH



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

D:\MassHunter\GCMS\1\methods\MS100TR.M
Tue Nov 29 11:54:57 2022

ntrol 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 70 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 2.43 min

Equilibration Time 0.25 min
Max Temperature 325 °C
Maximum Temperature Override Disabled
Blow 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 4 µL
Solvent B Washes (PreInj) 0
Solvent B Washes (PostInj) 0
Solvent B Volume 4 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 3000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 3000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.5 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	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	0.2 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 300 °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	0.57353 mL/min

Column Information	Agilent 19091S-602
Description	HP-lms
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
	100 °C
	8.5 psi
	0.82733 mL/min
	52.55 cm/sec
	0.39644 min
	Constant Flow

Column #2	
Pressure	
Setpoint	On
(Initial)	8.5 psi
Post Run	10 psi

Column Information	Agilent 19091S-913
Description	HP-lms
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
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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: US2227M017

Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
34.899	:	REPELLER	
90.331	:	IONFOCUS	
27.717	:	ENTRANCE_LENS	
1057.682	:	EMVOLTS	
			1094.9 : Actual EMV
			1.00 : GAIN FACTOR
3306.000	:	AMUGAIN	
141.563	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
9.621	:	ENTLENSOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
507.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT 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
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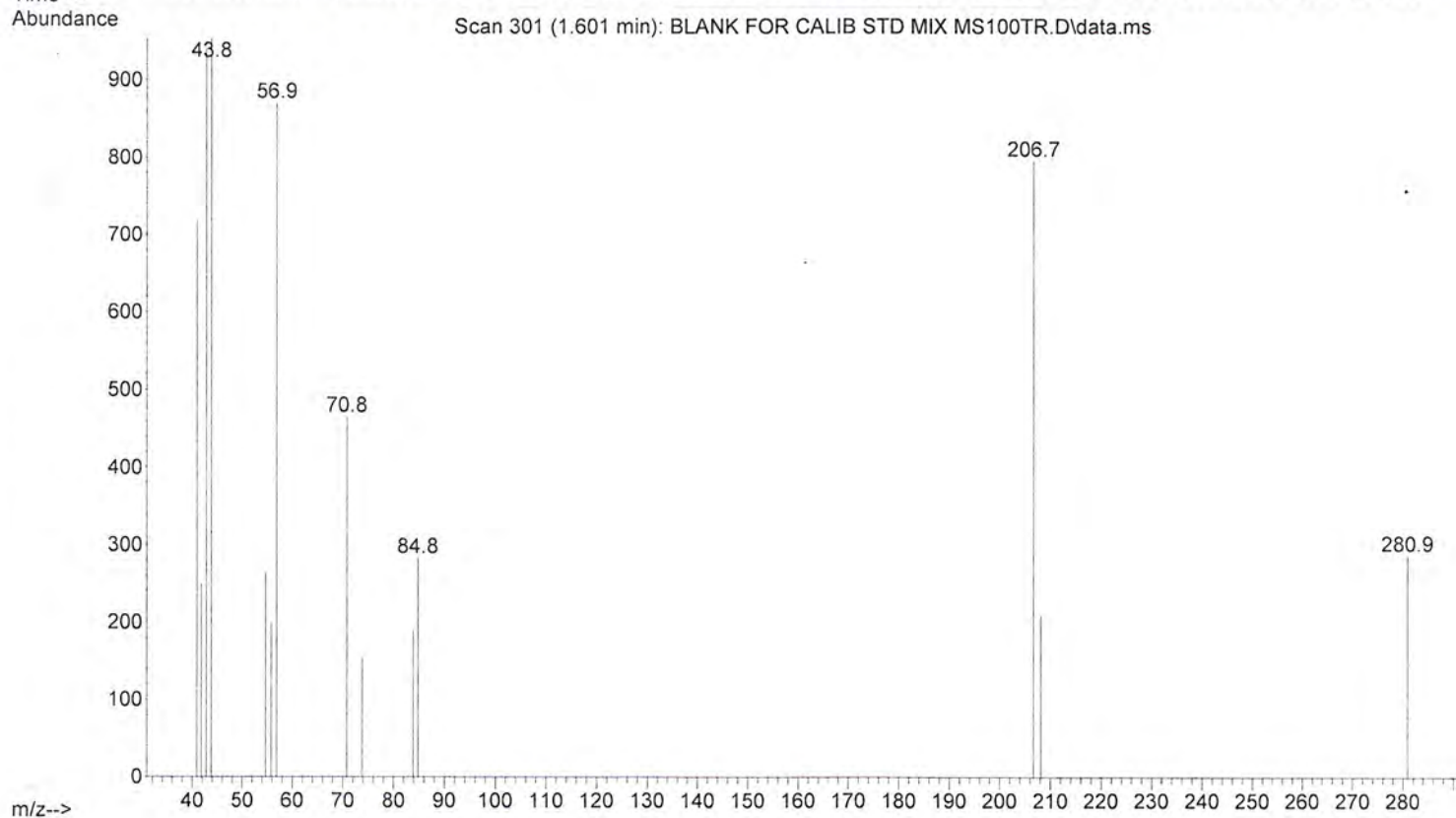
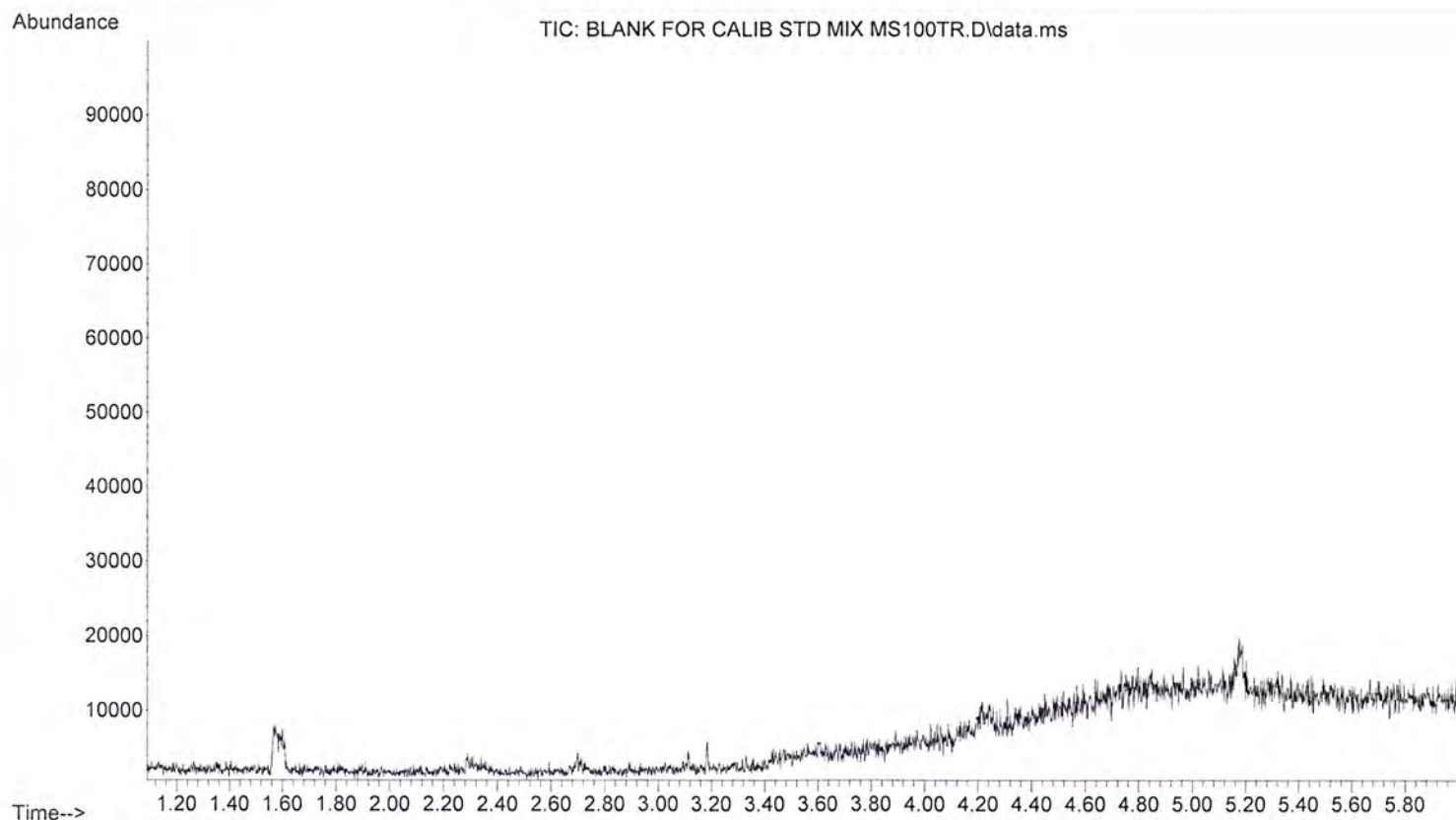
Real-Time Plots

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

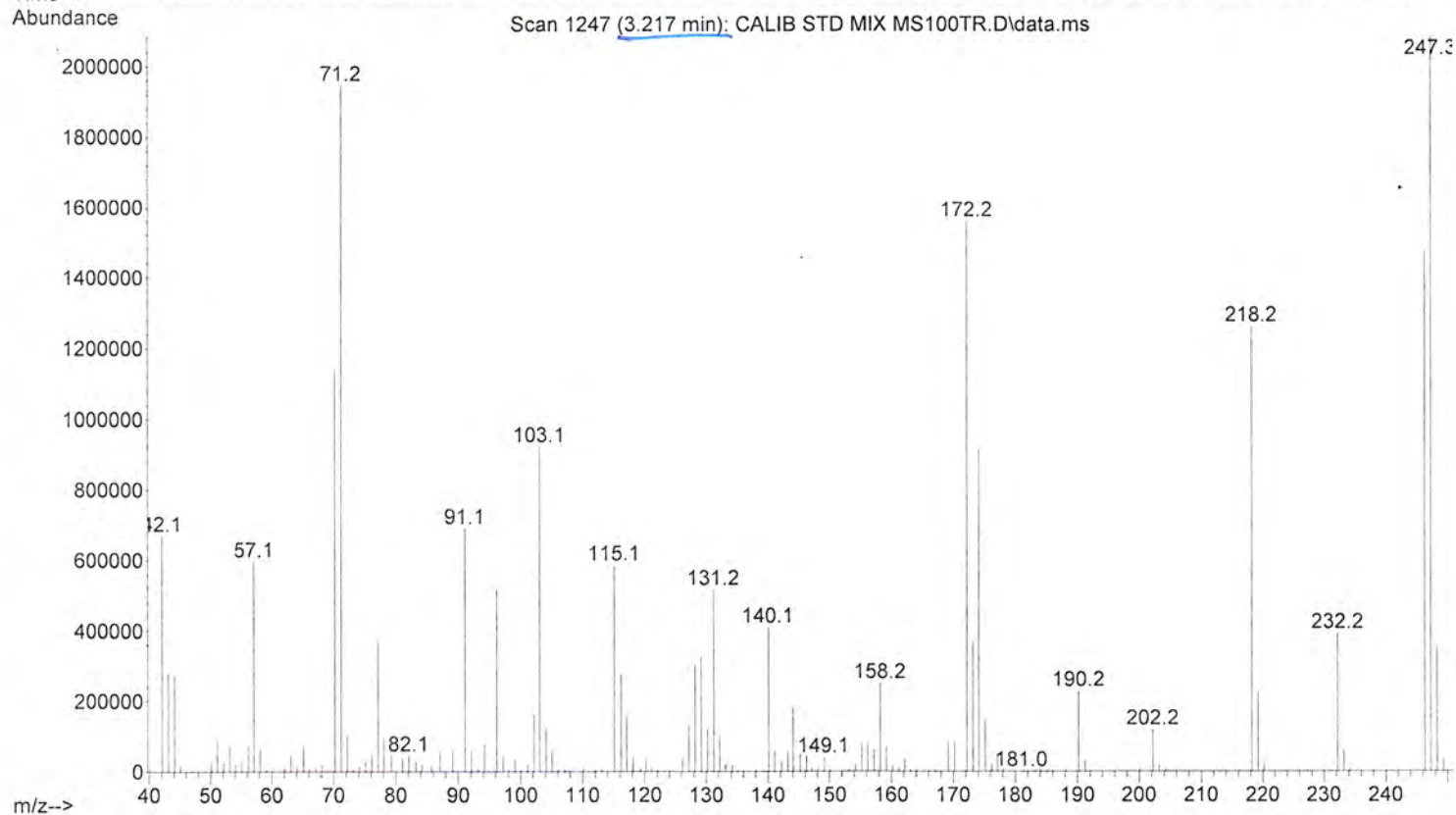
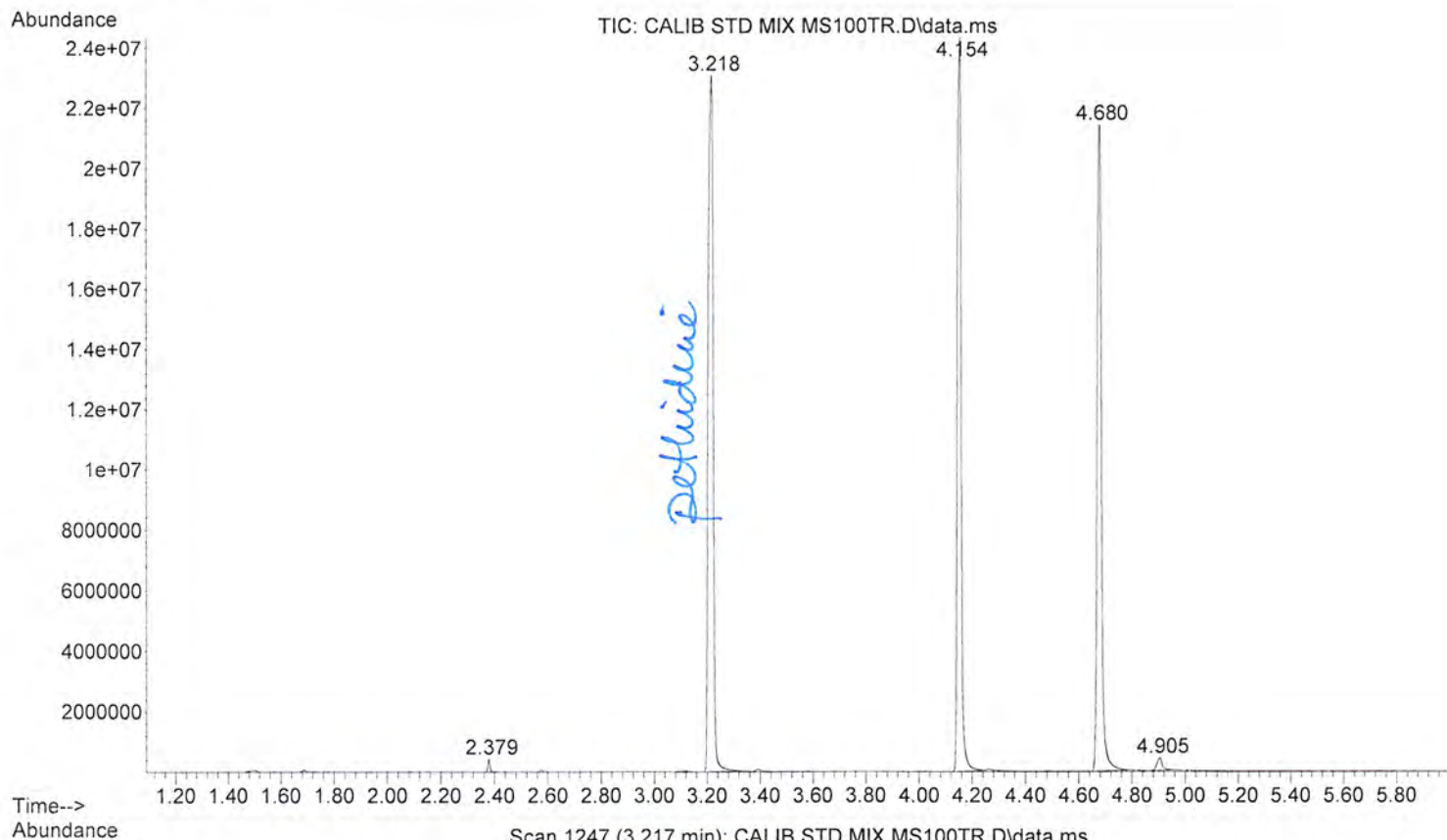
Self-Cleaning Ion Source Parameters

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

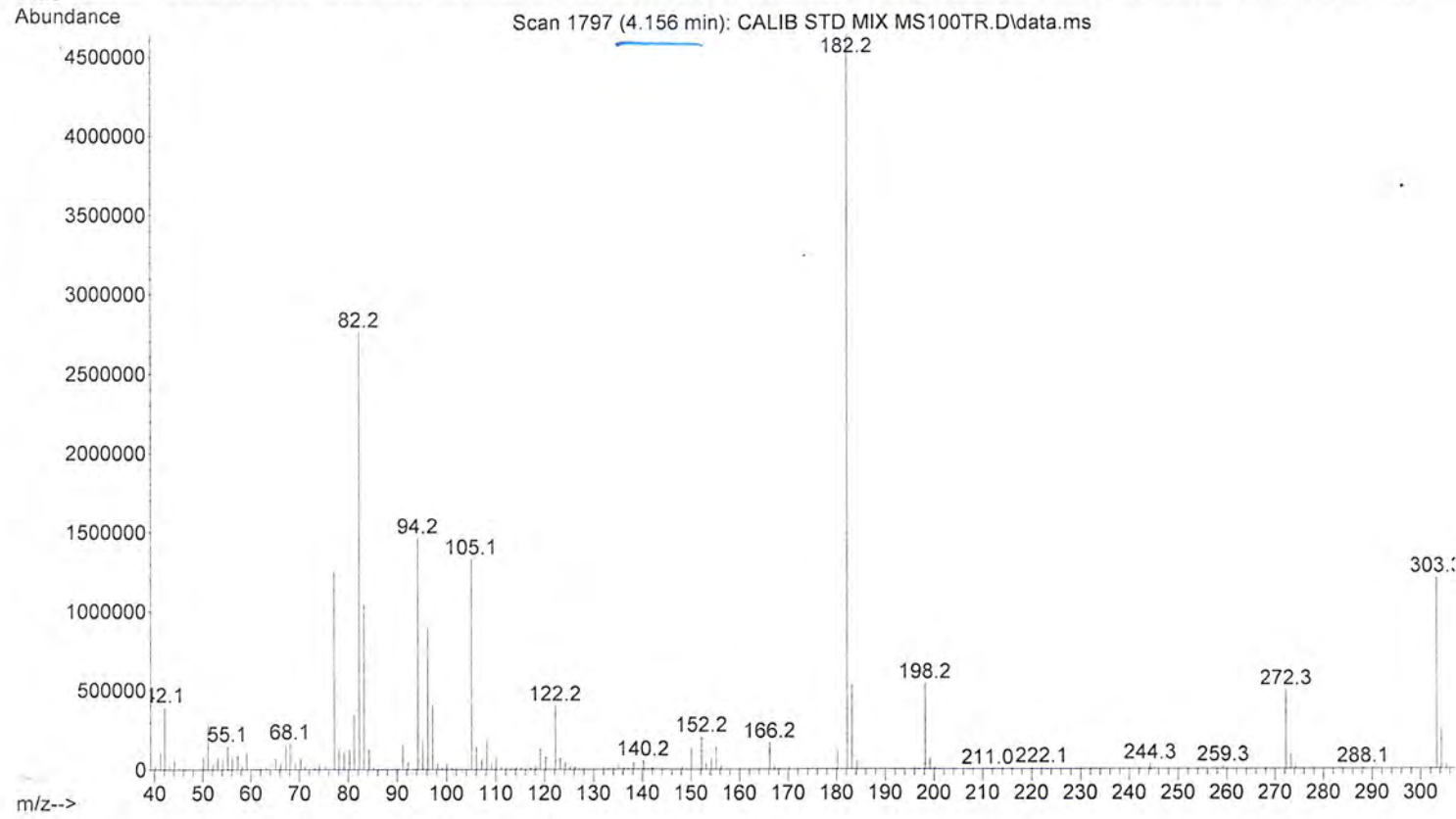
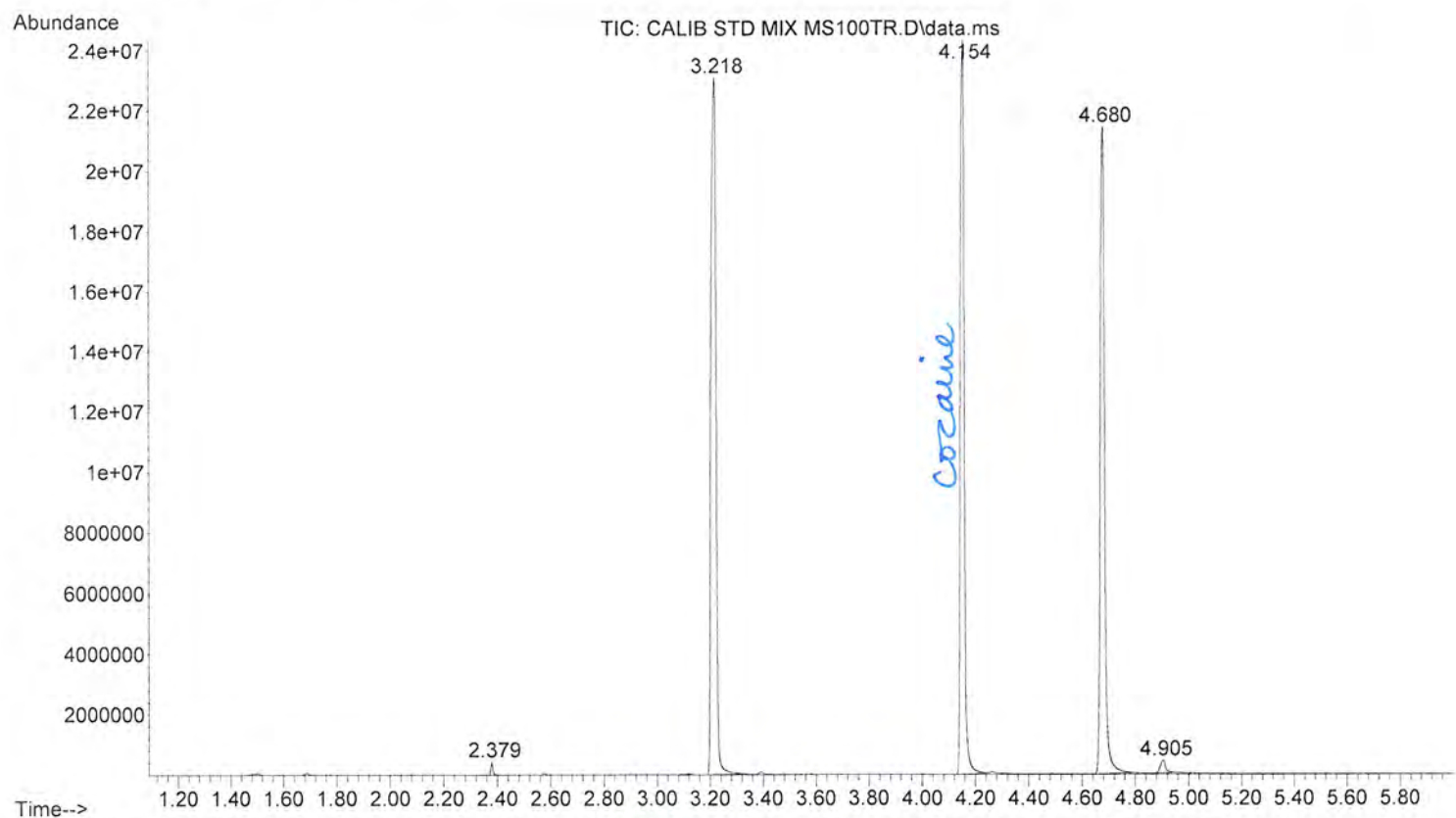
File :D:\MassHunter\GCMS\1\data\Standards --\MS100TR\BLANK FOR CAL
... IB STD MIX MS100TR.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 15 Nov 2022 11:51 using AcqMethod MS100TR.M
Sample Name: BLANK FOR CALIB STD MIX MS100TR
Misc Info : MeOH



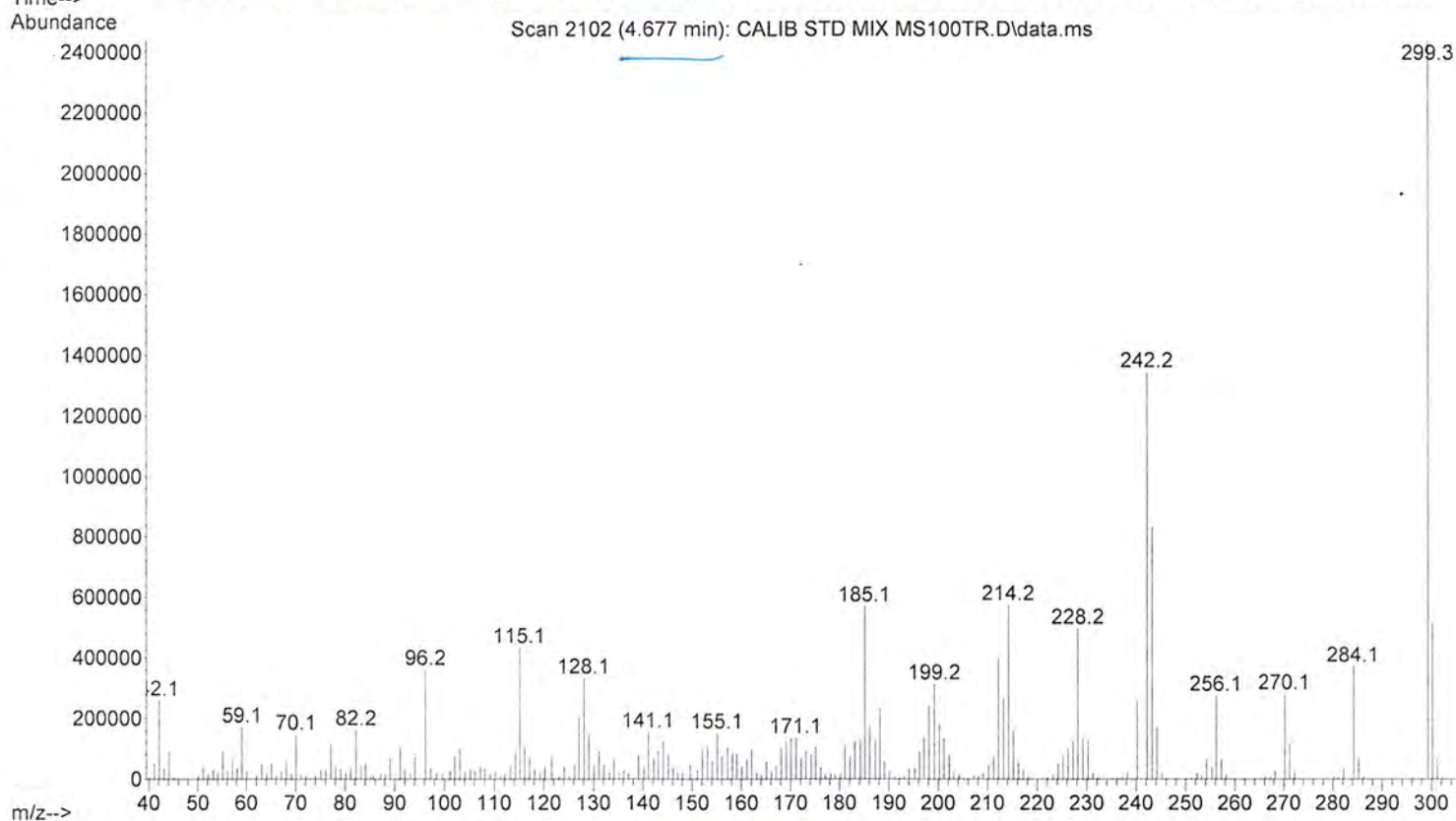
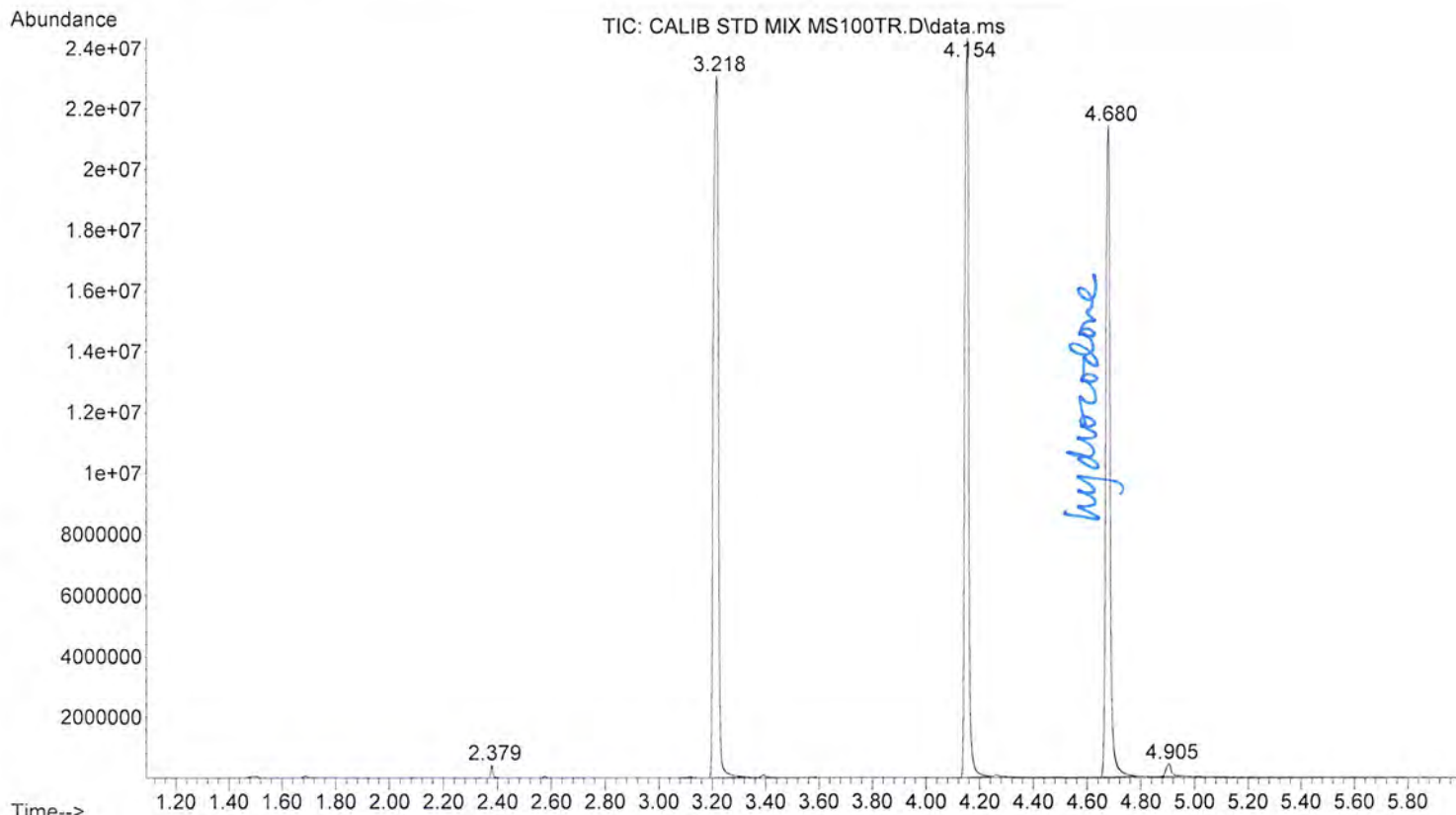
File :D:\MassHunter\GCMS\1\data\Standards --\MS100TR\CALIB STD MIX
... MS100TR.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 15 Nov 2022 11:58 using AcqMethod MS100TR.M
Sample Name: CALIB STD MIX MS100TR
Misc Info : MeOH



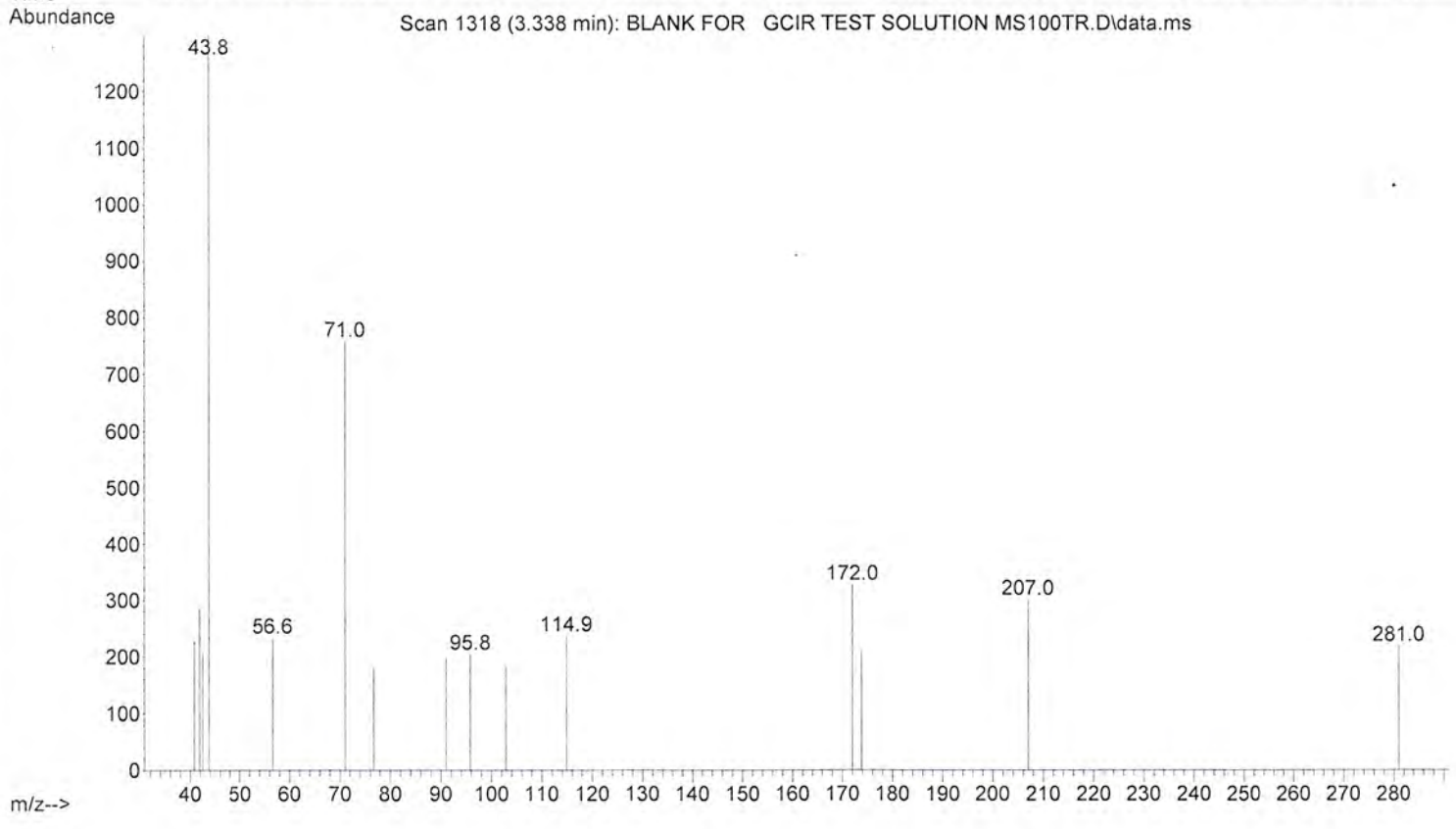
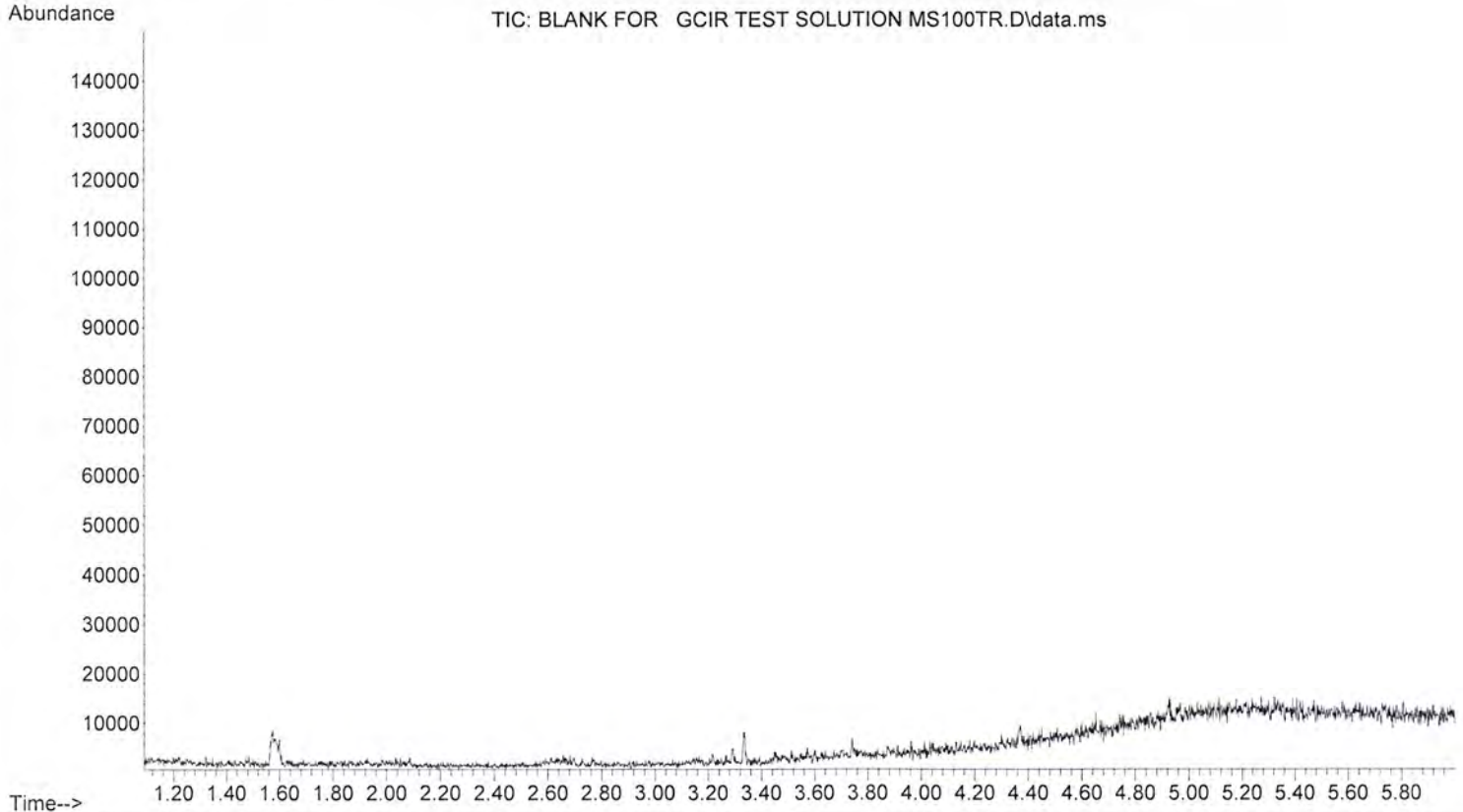
File :D:\MassHunter\GCMS\1\data\Standards --\MS100TR\CALIB STD MIX
... MS100TR.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 15 Nov 2022 11:58 using AcqMethod MS100TR.M
Sample Name: CALIB STD MIX MS100TR
Misc Info : MeOH



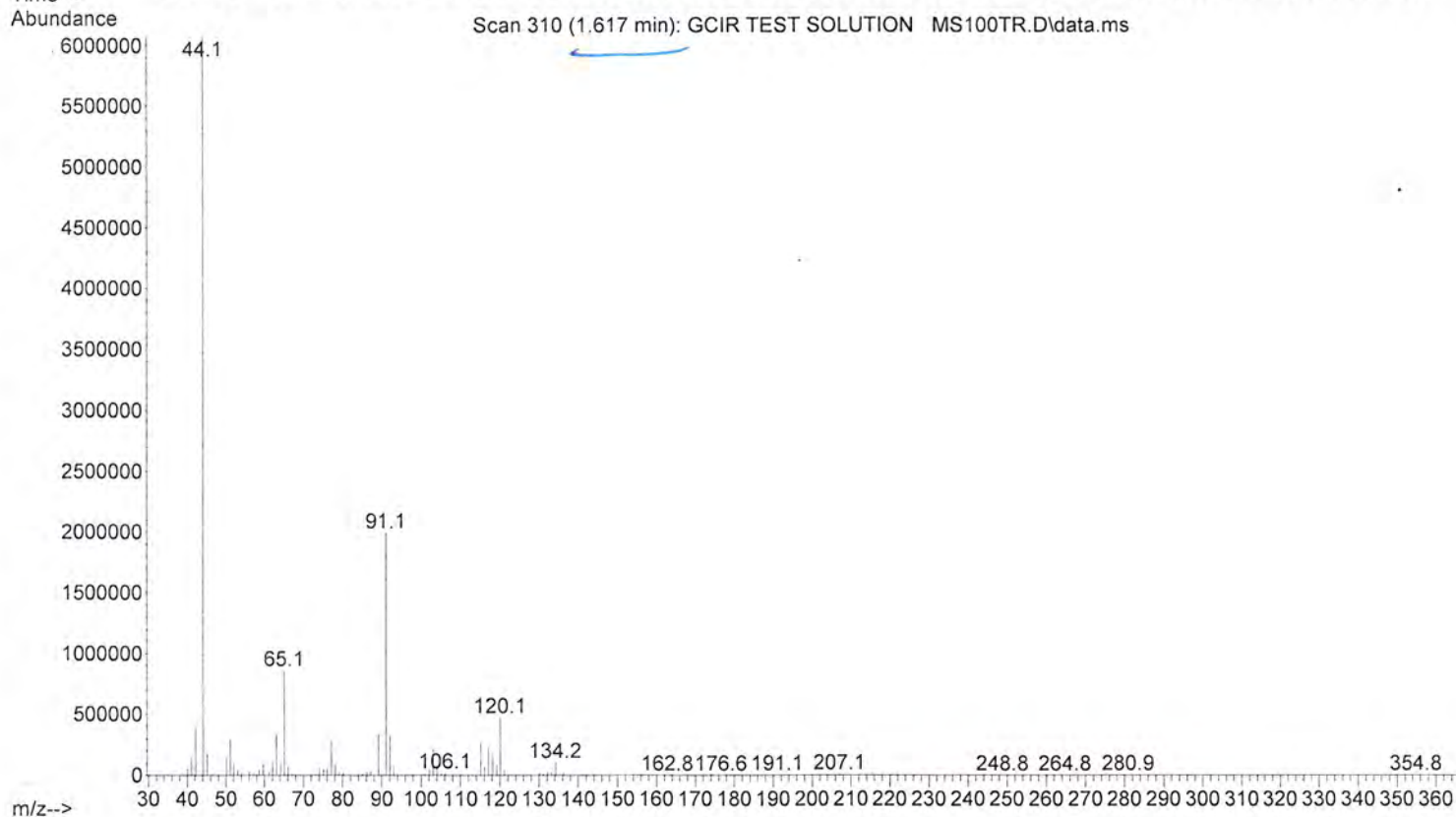
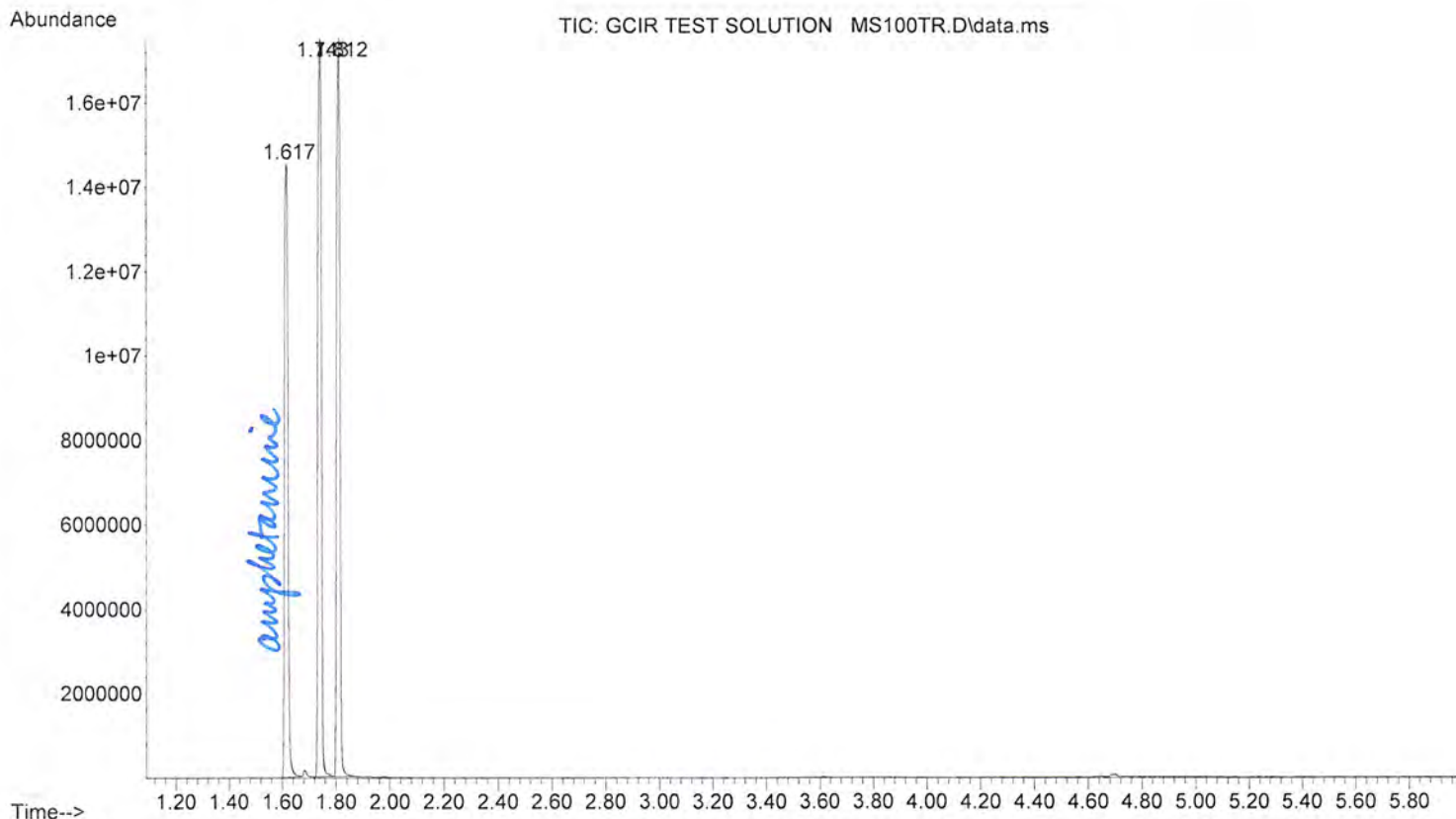
File :D:\MassHunter\GCMS\1\data\Standards --\MS100TR\CALIB STD MIX
... MS100TR.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 15 Nov 2022 11:58 using AcqMethod MS100TR.M
Sample Name: CALIB STD MIX MS100TR
Misc Info : MeOH



File :D:\MassHunter\GCMS\1\data\Standards --\MS100TR\BLANK FOR G
... CIR TEST SOLUTION MS100TR.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 15 Nov 2022 14:24 using AcqMethod MS100TR.M
Sample Name: BLANK FOR GCIR TEST SOLUTION MS100TR
Misc Info : MeOH

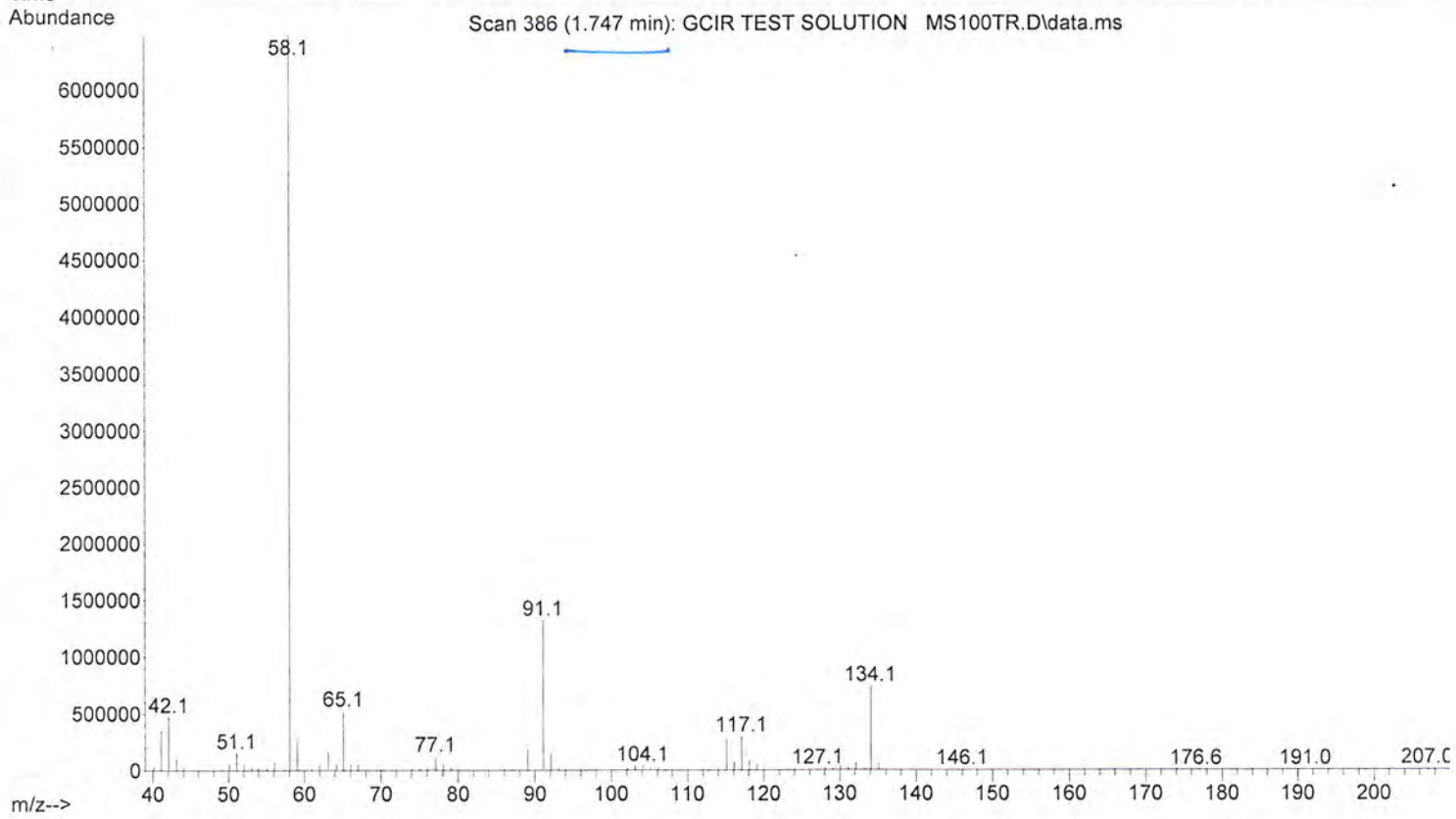
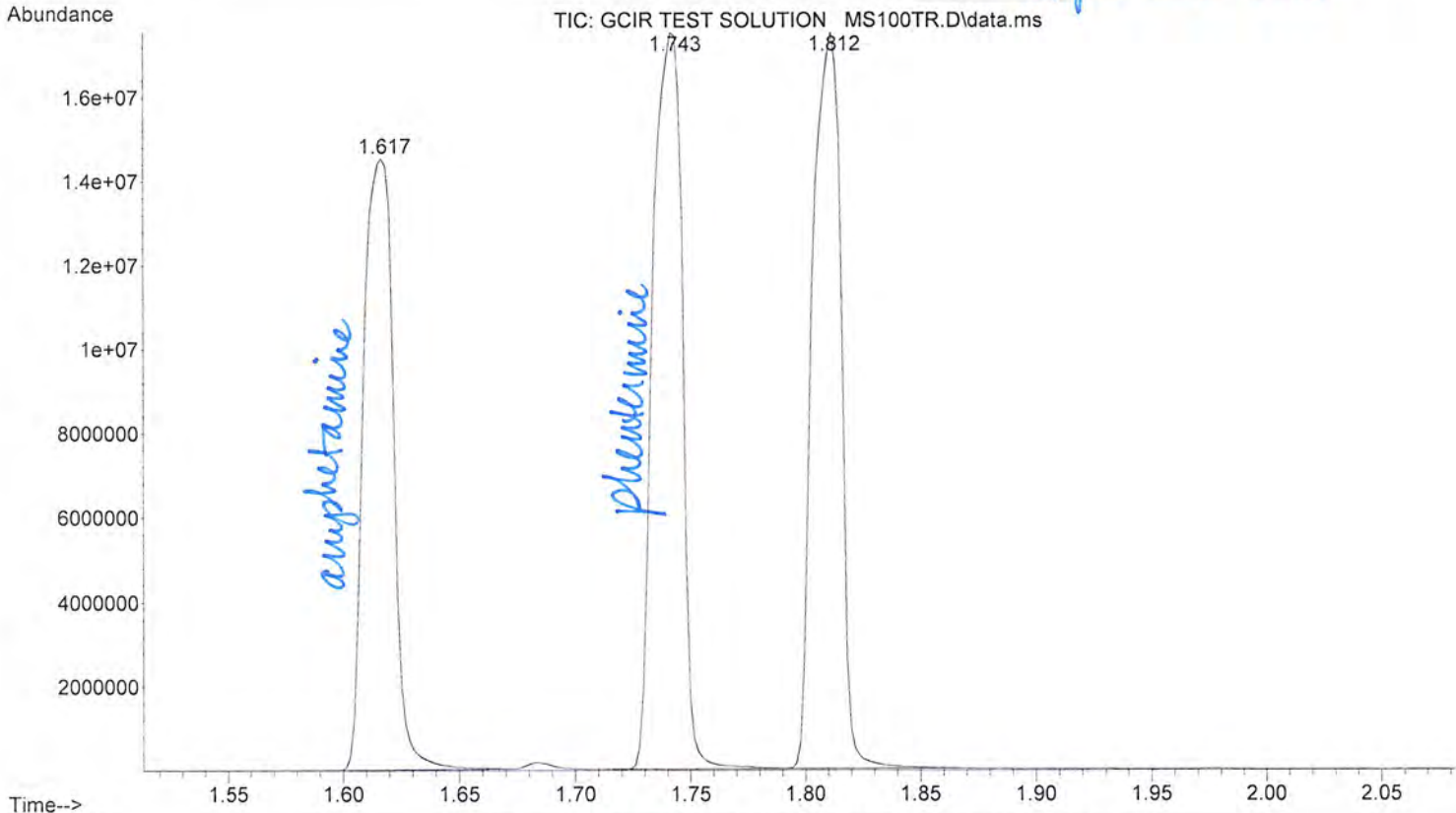


File :D:\MassHunter\GCMS\1\data\Standards --\MS100TR\GCIR TEST SOL
... UTION MS100TR.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 15 Nov 2022 14:32 using AcqMethod MS100TR.M
Sample Name: GCIR TEST SOLUTION MS100TR
Misc Info : MeOH



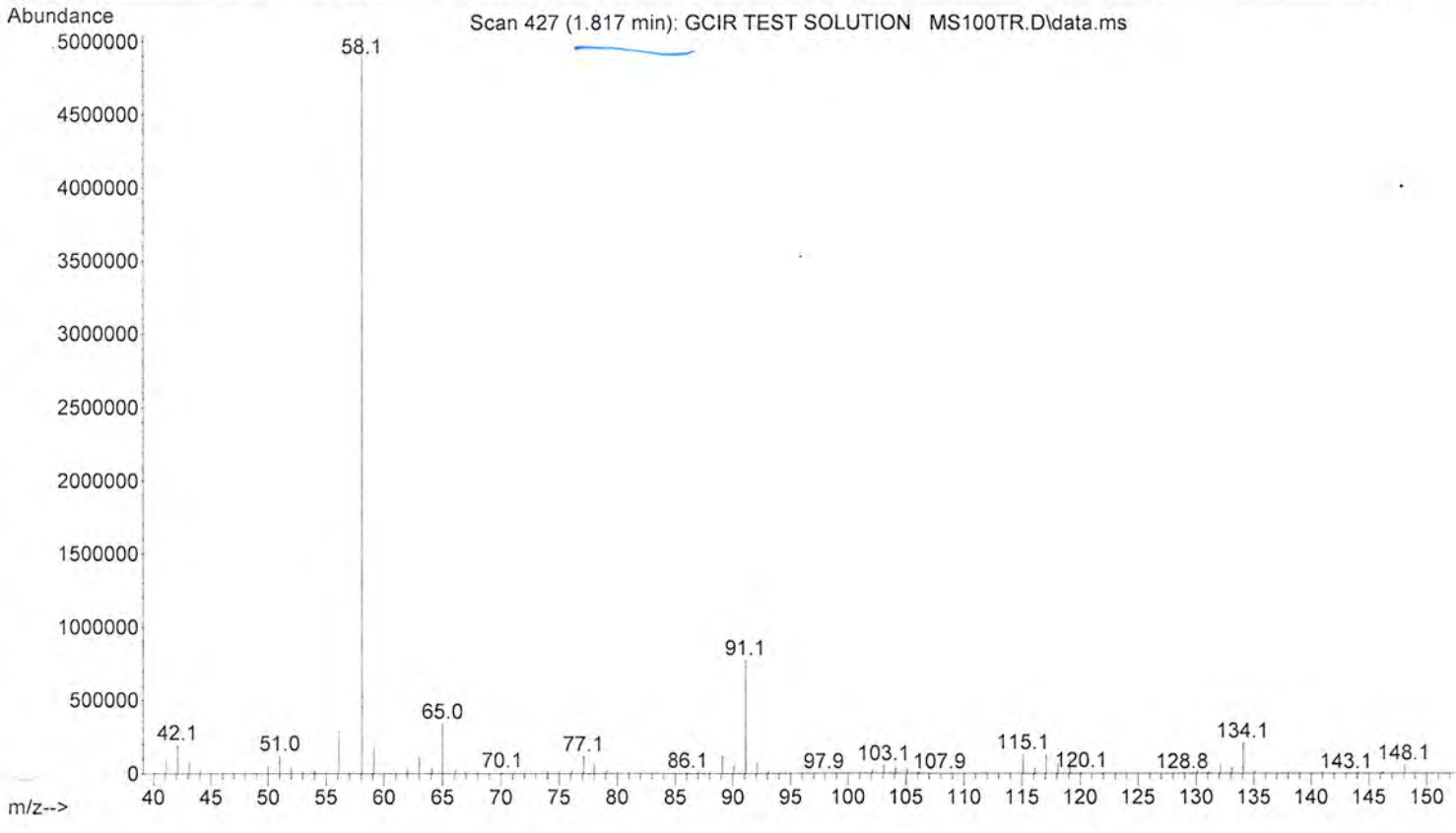
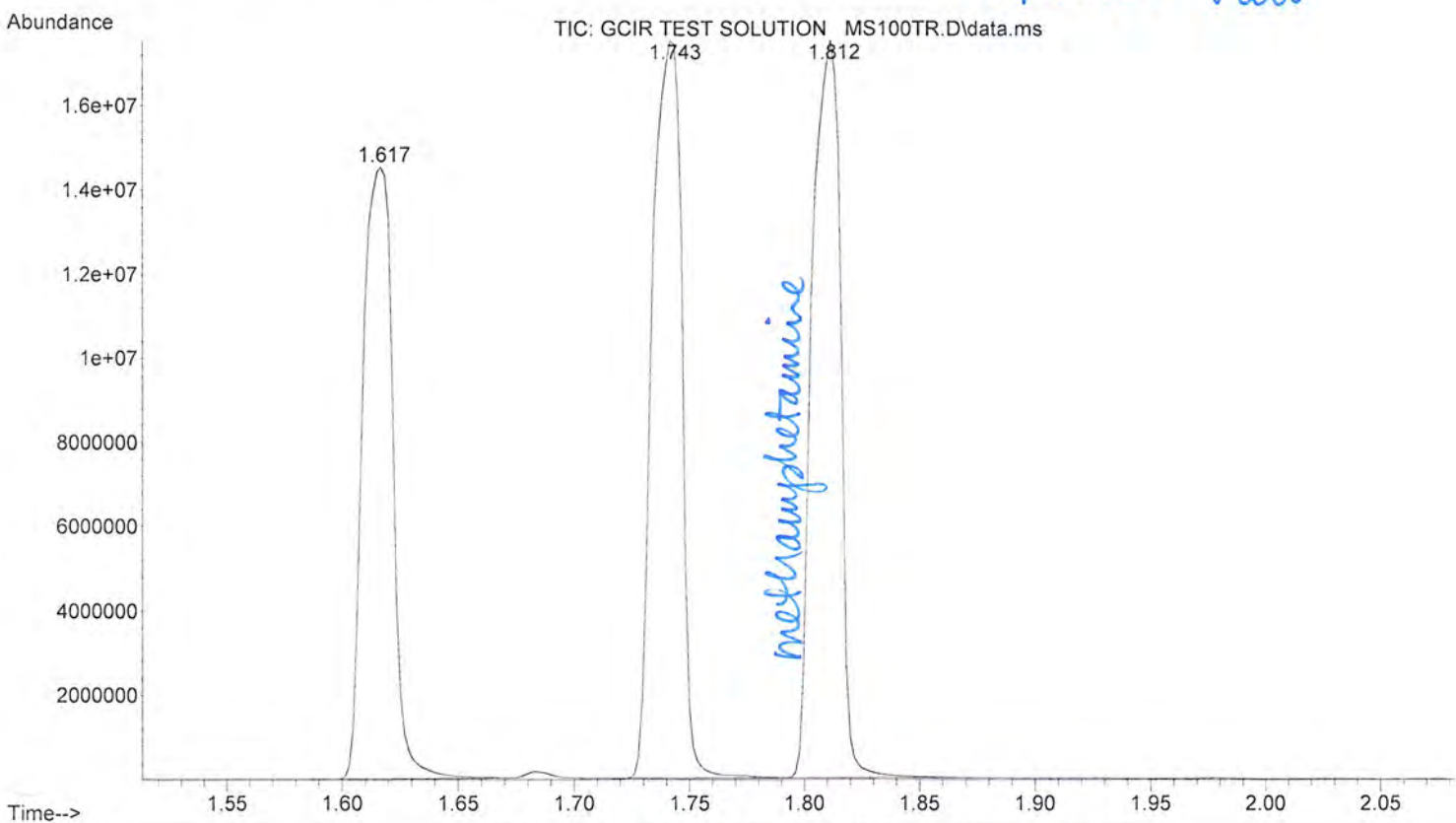
File :D:\MassHunter\GCMS\1\data\Standards --\MS100TR\GCIR TEST SOL
... UTION MS100TR.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 15 Nov 2022 14:32 using AcqMethod MS100TR.M
Sample Name: GCIR TEST SOLUTION MS100TR
Misc Info : MeOH

expanded view



File :D:\MassHunter\GCMS\1\data\Standards --\MS100TR\GCIR TEST SOL
... UTION MS100TR.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 15 Nov 2022 14:32 using AcqMethod MS100TR.M
Sample Name: GCIR TEST SOLUTION MS100TR
Misc Info : MeOH

expanded view



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

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

Tue Nov 29 11:56:29 2022

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 70 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 3.86 min

Equilibration Time 0.25 min
x Temperature 325 °C
ximum 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 4 µL
Solvent B Washes (PreInj) 0
Solvent B Washes (PostInj) 0
Solvent B Volume 4 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 3000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 3000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.5 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	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	0.2 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 300 °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	0.57353 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
Out	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	10 psi

Column Information	Agilent 19091S-913
Description	HP-1ms
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: US2227M017

Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
34.899	:	REPELLER	
90.331	:	IONFOCUS	
27.717	:	ENTRANCE_LENS	
1057.682	:	EMVOLTS	
			1094.9 : Actual EMV
			1.00 : GAIN FACTOR
3306.000	:	AMUGAIN	
141.563	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
9.621	:	ENTLENSOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
507.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT 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
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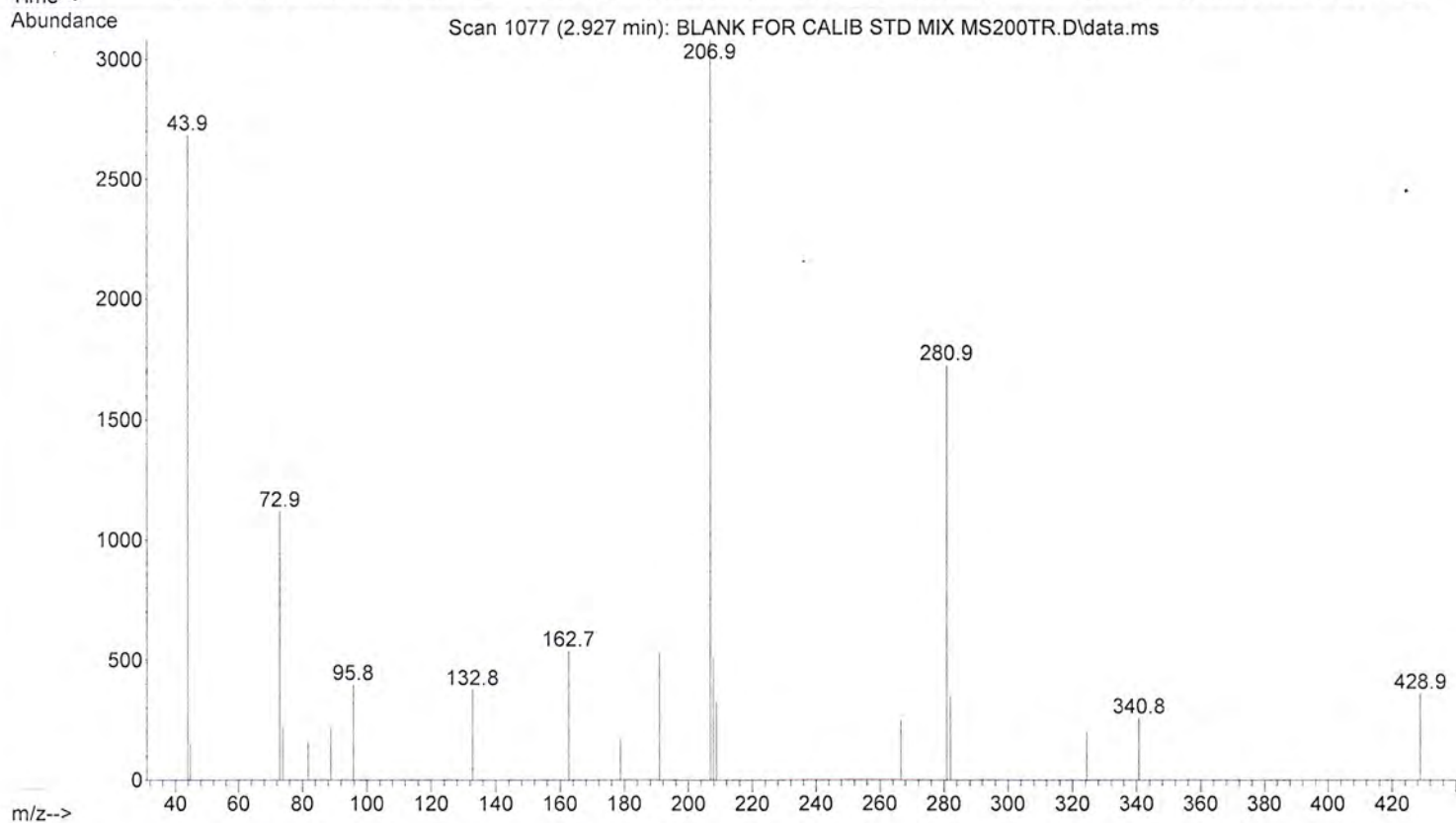
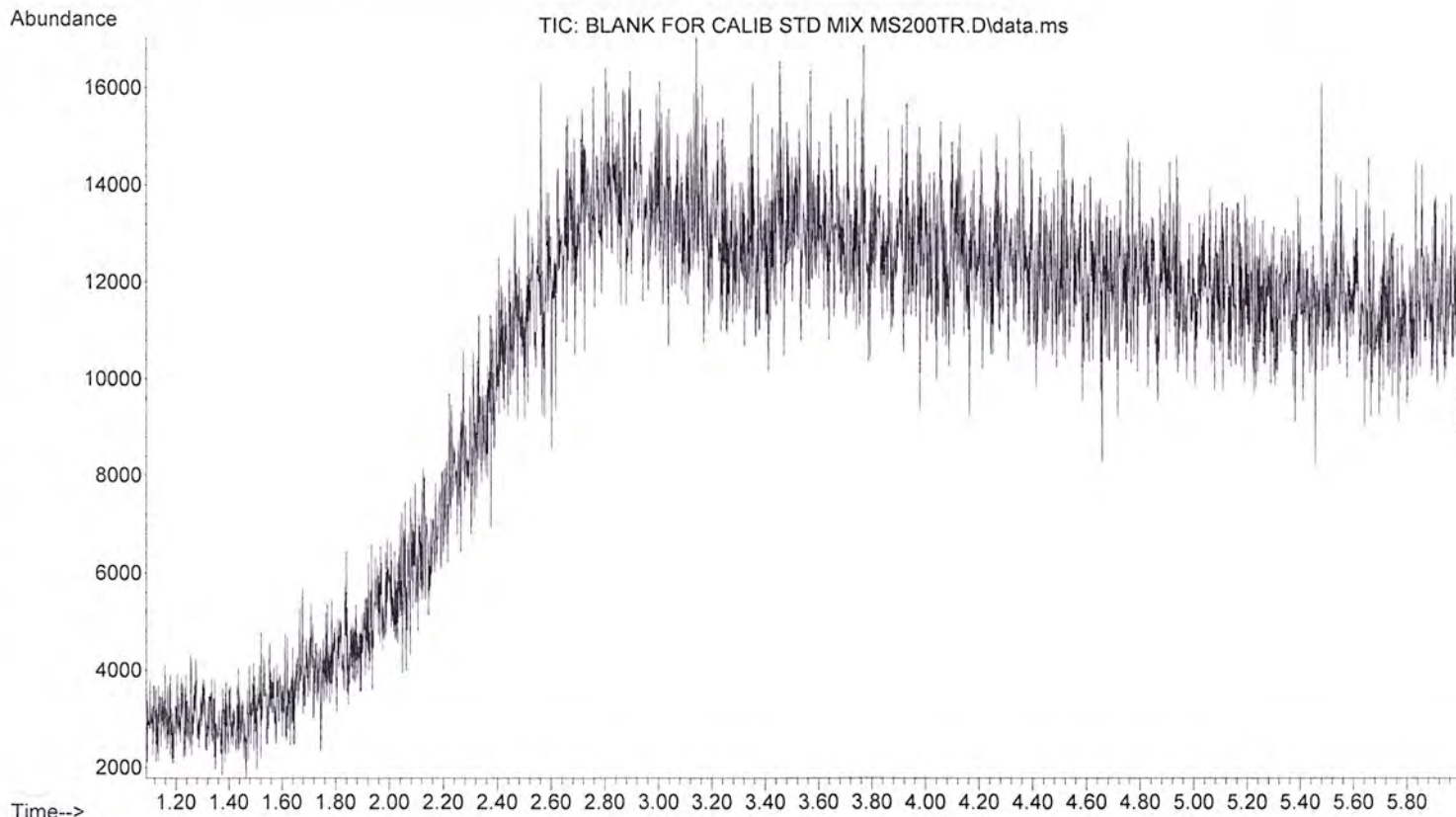
Real-Time Plots

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

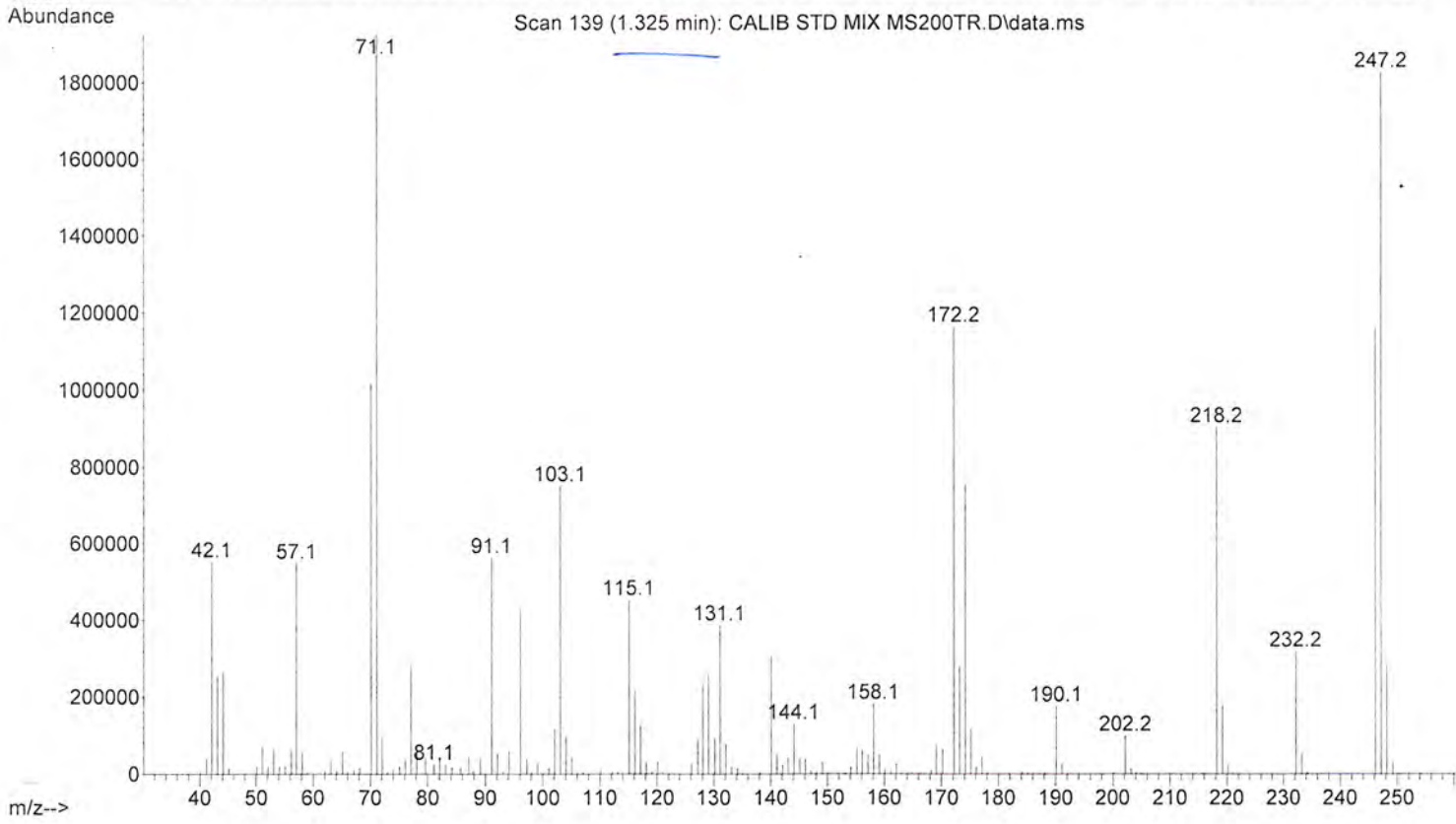
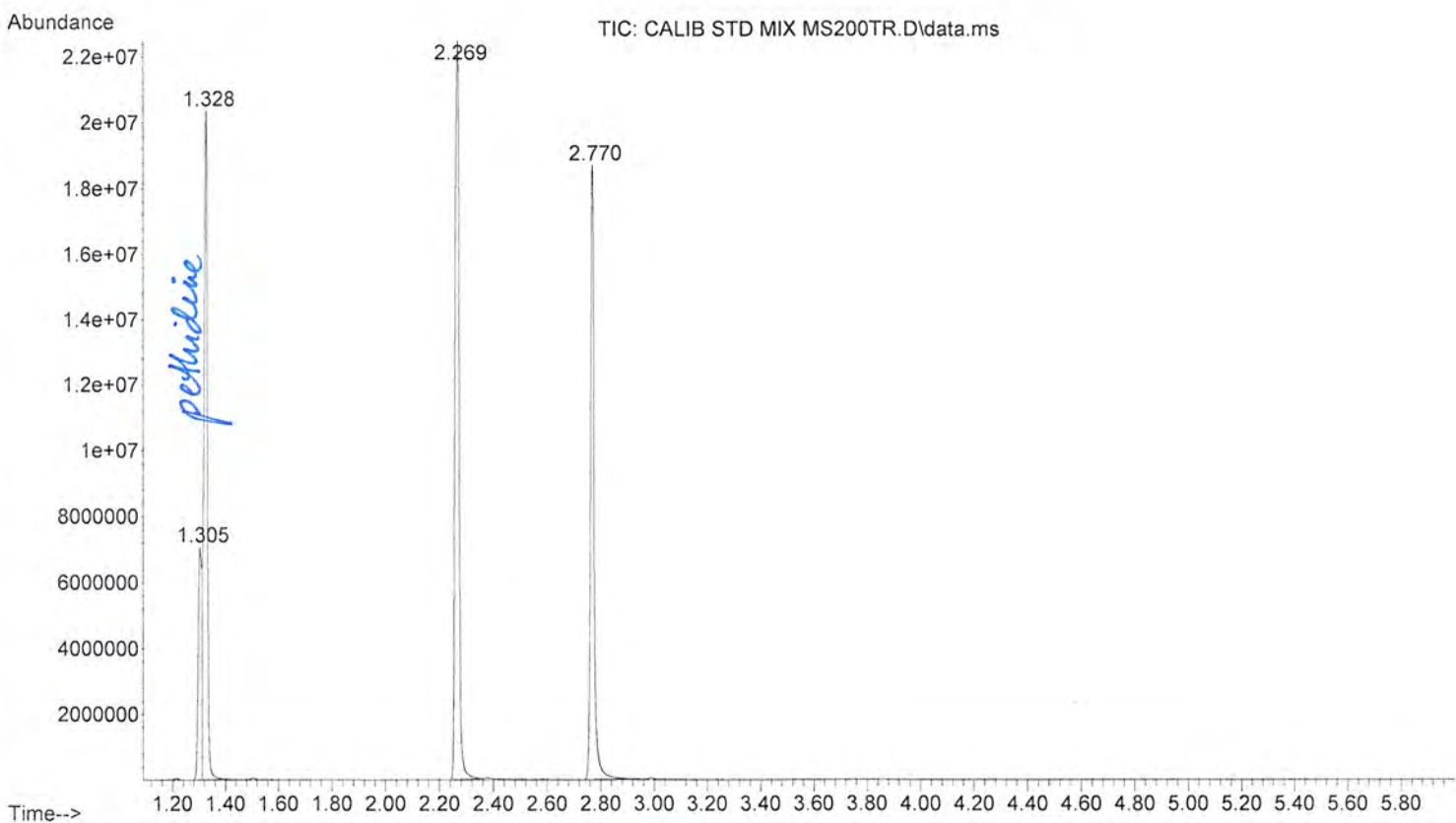
Self-Cleaning Ion Source Parameters

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

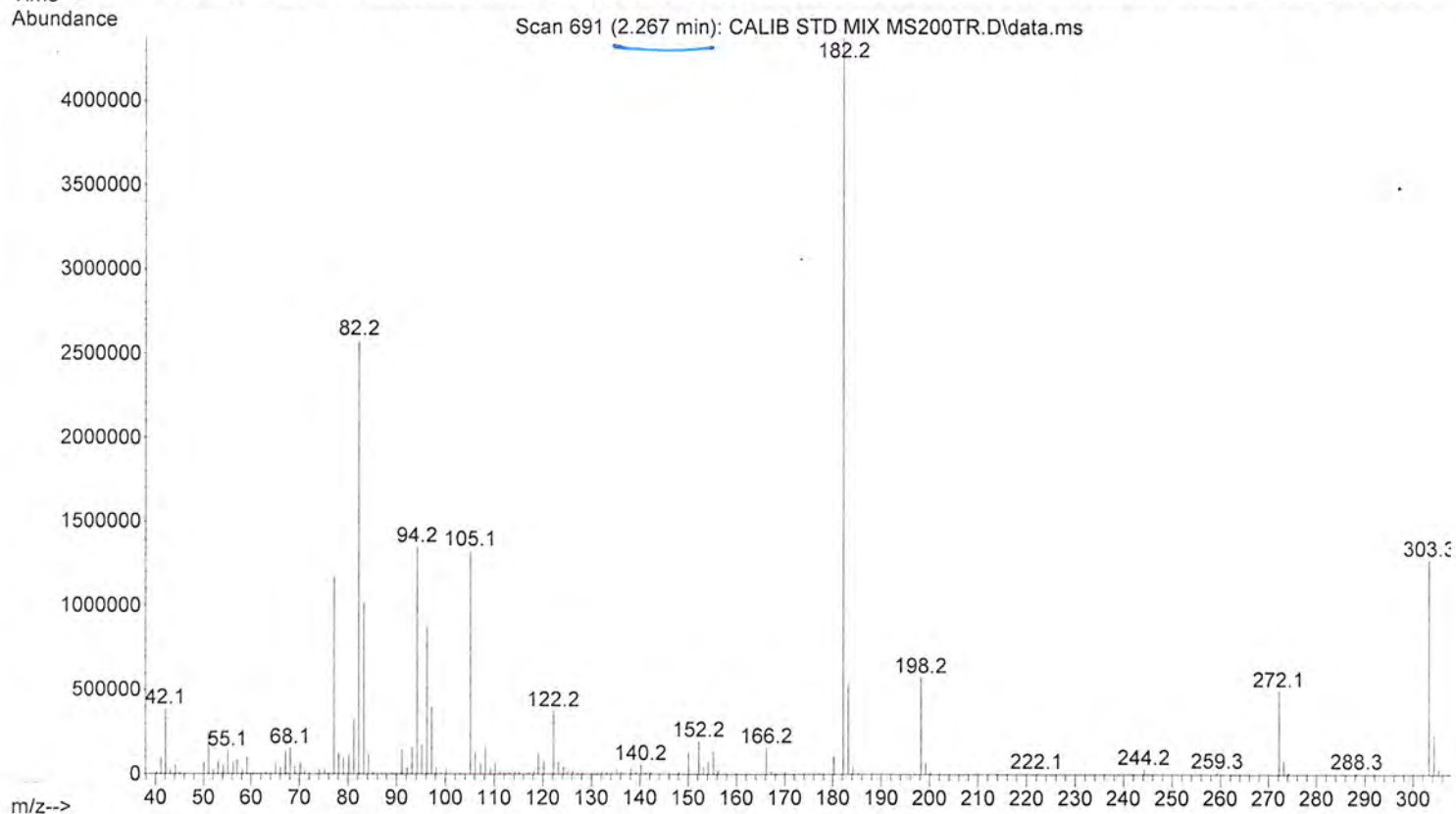
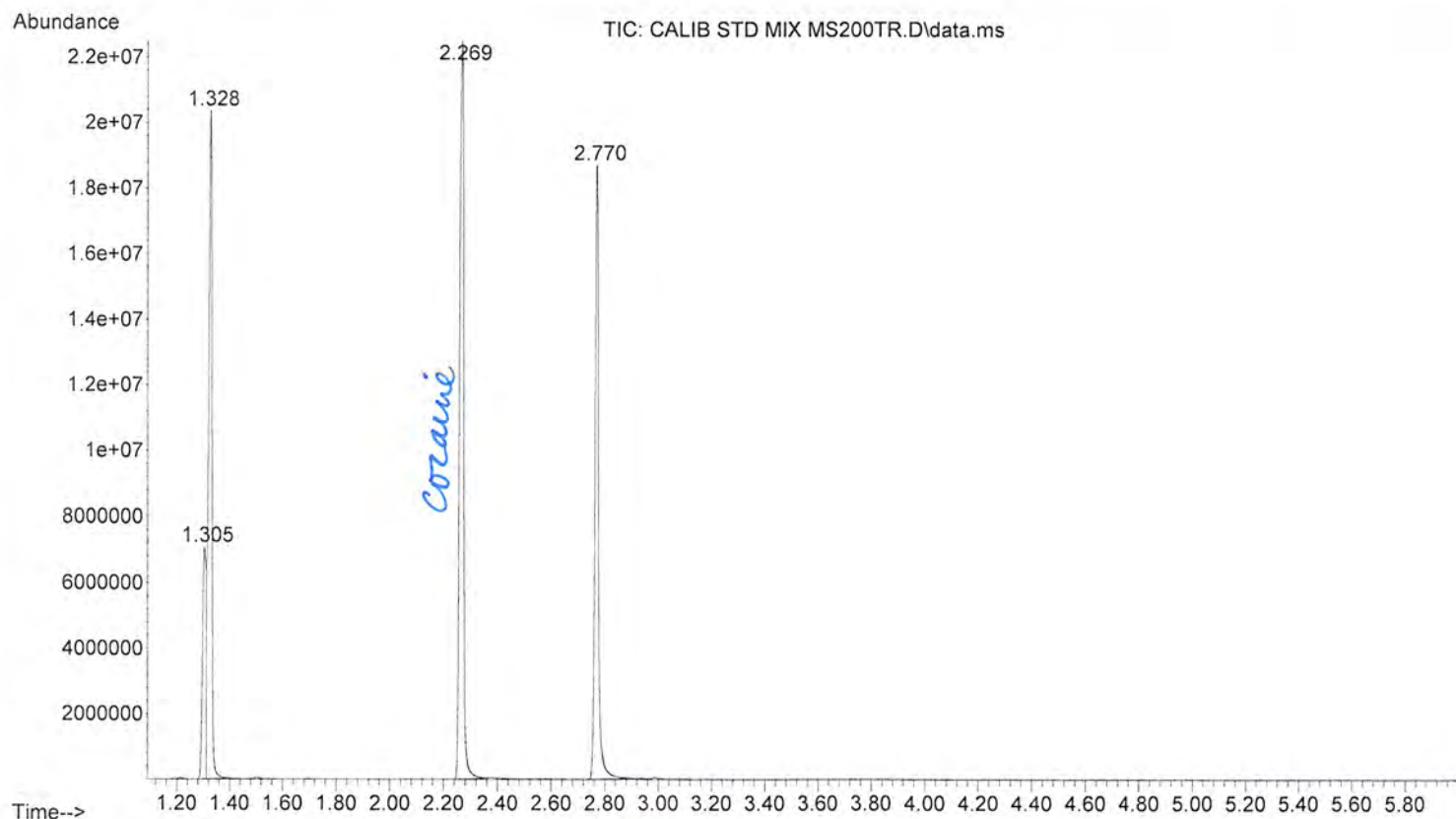
File :D:\MassHunter\GCMS\1\data\Standards --\MS200TR\BLANK FOR CAL
... IB STD MIX MS200TR.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 15 Nov 2022 12:41 using AcqMethod MS200TR.M
Sample Name: BLANK FOR CALIB STD MIX MS200TR
Misc Info : MeOH



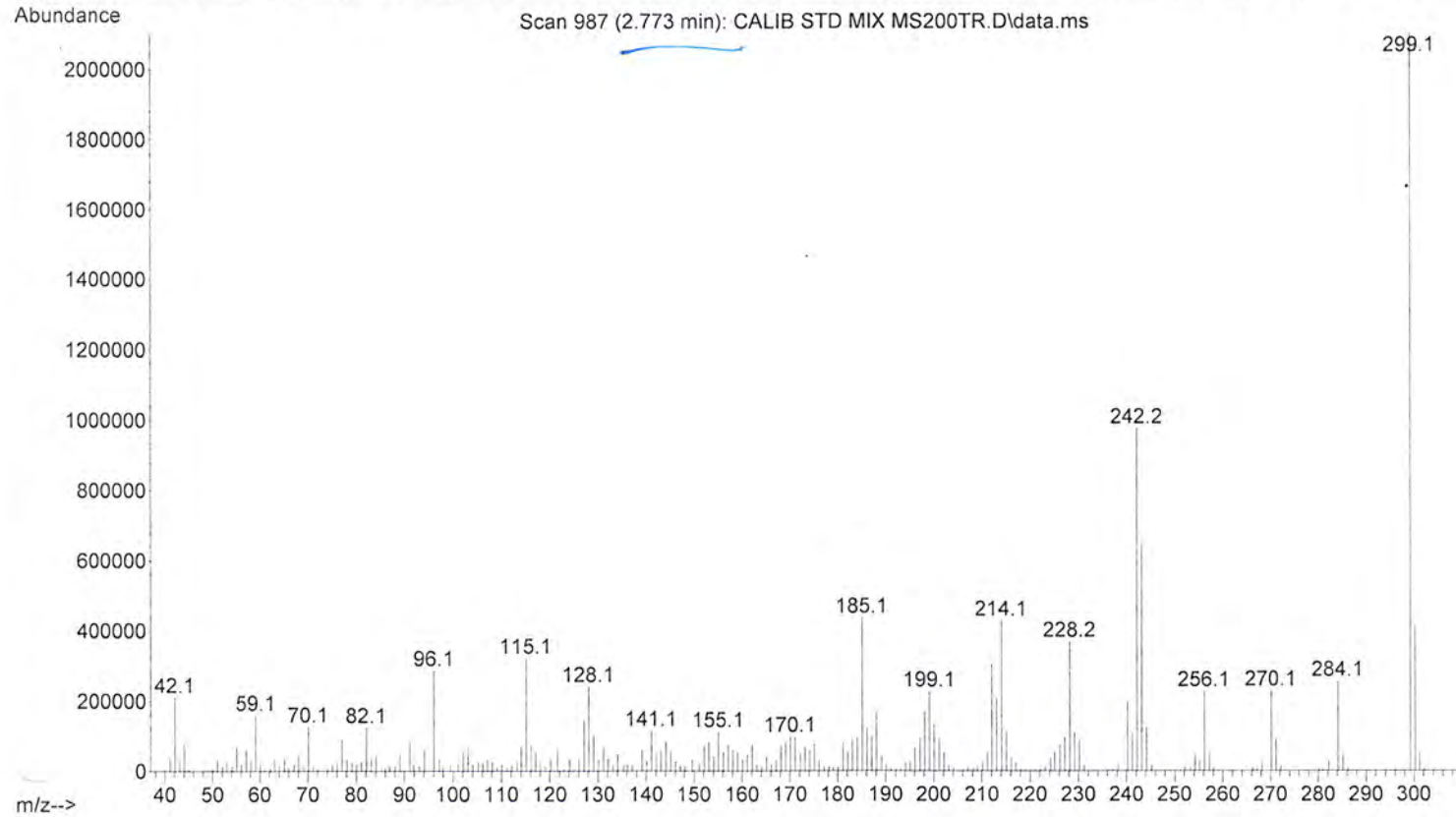
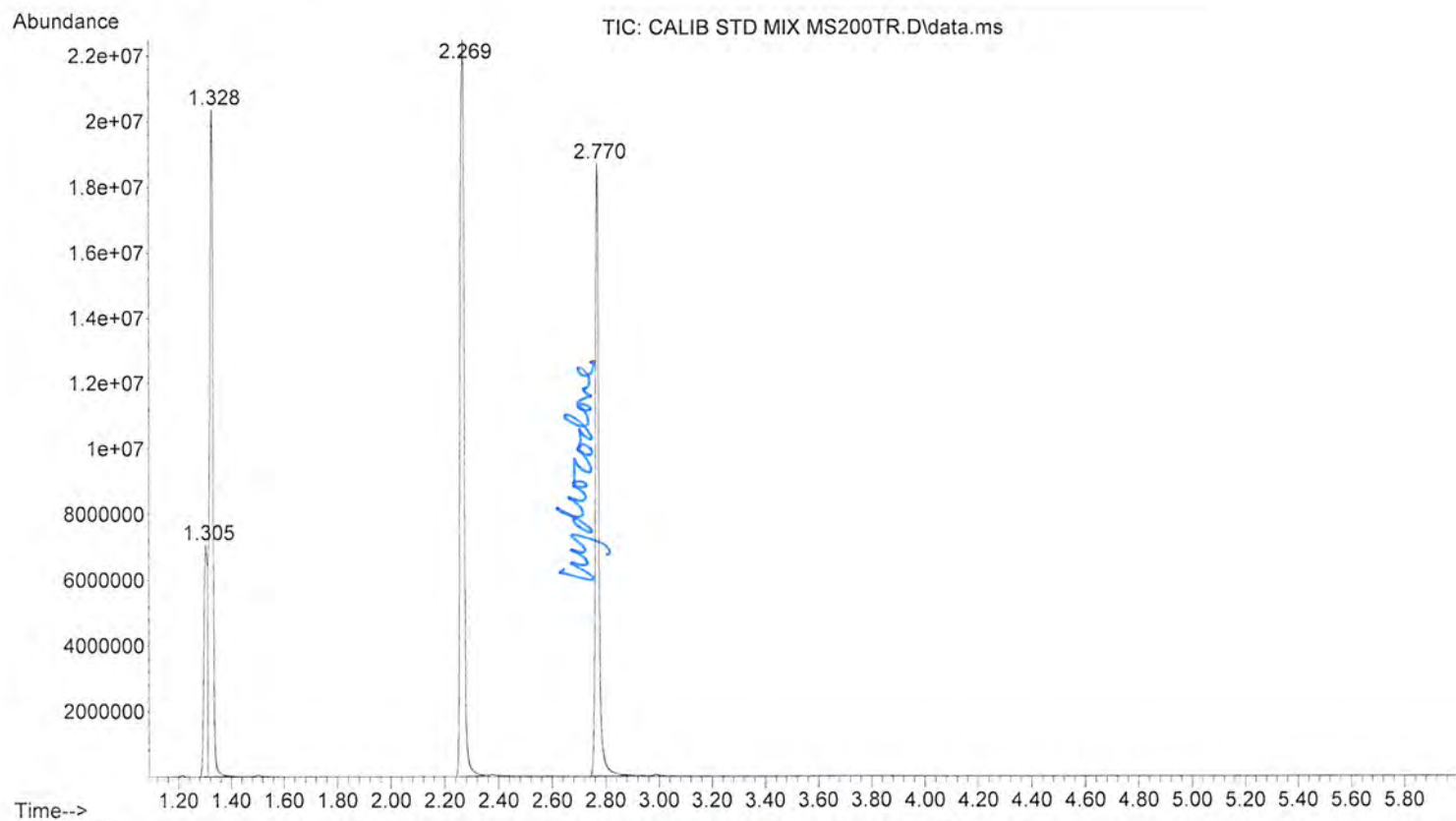
File :D:\MassHunter\GCMS\1\data\Standards --\MS200TR\CALIB STD MIX
... MS200TR.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 15 Nov 2022 12:54 using AcqMethod MS200TR.M
Sample Name: CALIB STD MIX MS200TR
Misc Info : MeOH



File :D:\MassHunter\GCMS\1\data\Standards --\MS200TR\CALIB STD MIX
... MS200TR.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 15 Nov 2022 12:54 using AcqMethod MS200TR.M
Sample Name: CALIB STD MIX MS200TR
Misc : MeOH



File :D:\MassHunter\GCMS\1\data\Standards --\MS200TR\CALIB STD MIX
... MS200TR.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 15 Nov 2022 12:54 using AcqMethod MS200TR.M
Sample Name: CALIB STD MIX MS200TR
Misc Info : MeOH



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

INSTRUMENT CONTROL PARAMETERS: Alma

D:\MassHunter\GCMS\1\methods\ASMSDRUGS100.M
Tue Nov 29 11:57:46 2022

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 70 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 6.43 min

Equilibration Time 0.25 min
X Temperature 325 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 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 3000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 3000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.5 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	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	0.2 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 300 °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	0.57353 mL/min

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
Description
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

Agilent 19091S-602
HP-lms
-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

On
8.5 psi
10 psi

Agilent 19091S-913
HP-lms
-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

0 psi

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

Off
Off

Off

On
280 °C

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: US2227M017

Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
34.899	:	REPELLER	
90.331	:	IONFOCUS	
27.717	:	ENTRANCE_LENS	
1057.682	:	EMVOLTS	
			1094.9 : Actual EMV
			1.00 : GAIN FACTOR
3306.000	:	AMUGAIN	
141.563	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
9.621	:	ENTLENSOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
507.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT 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
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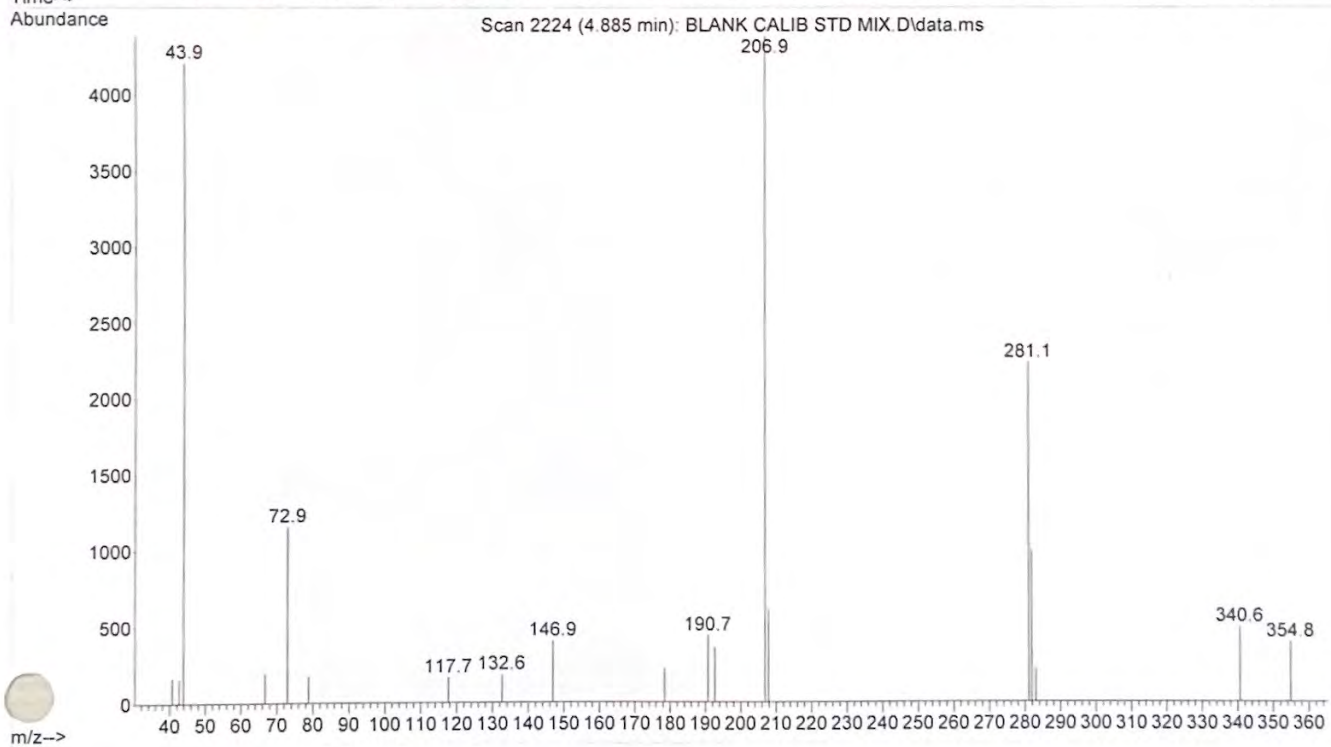
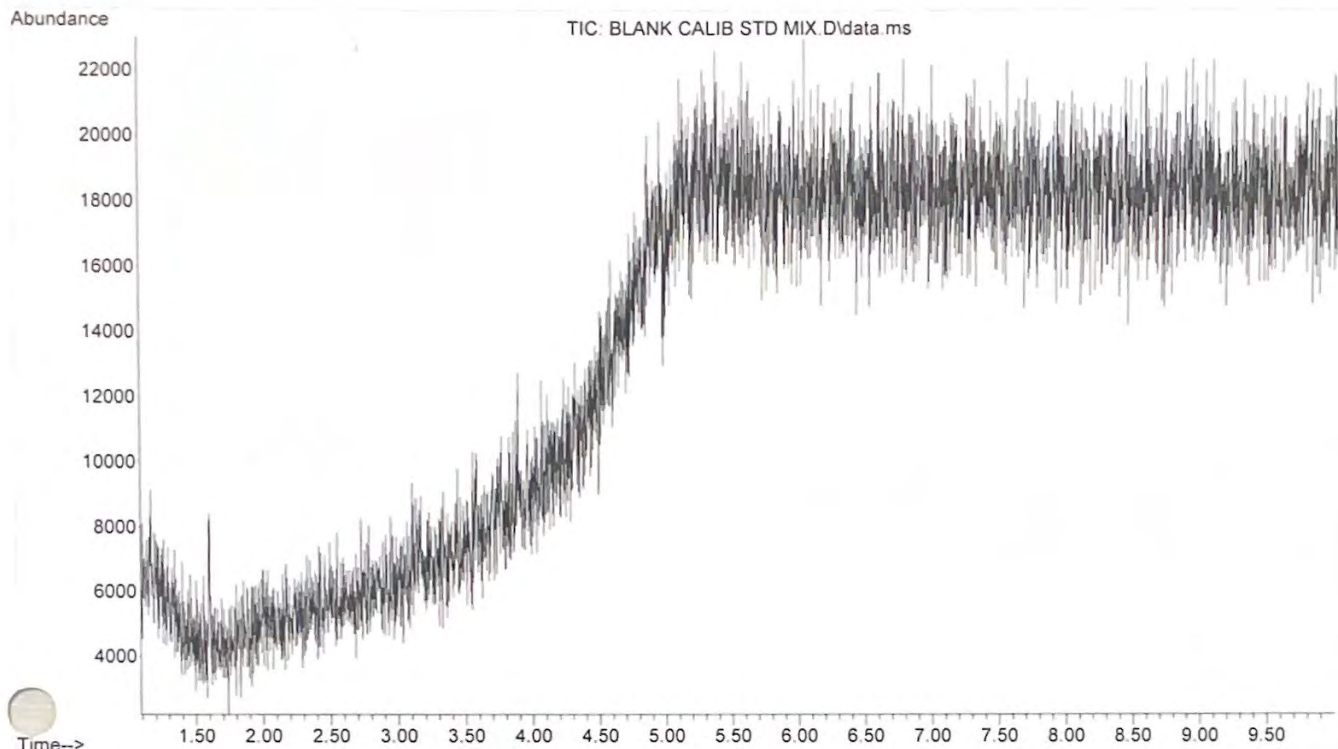
Real-Time Plots

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

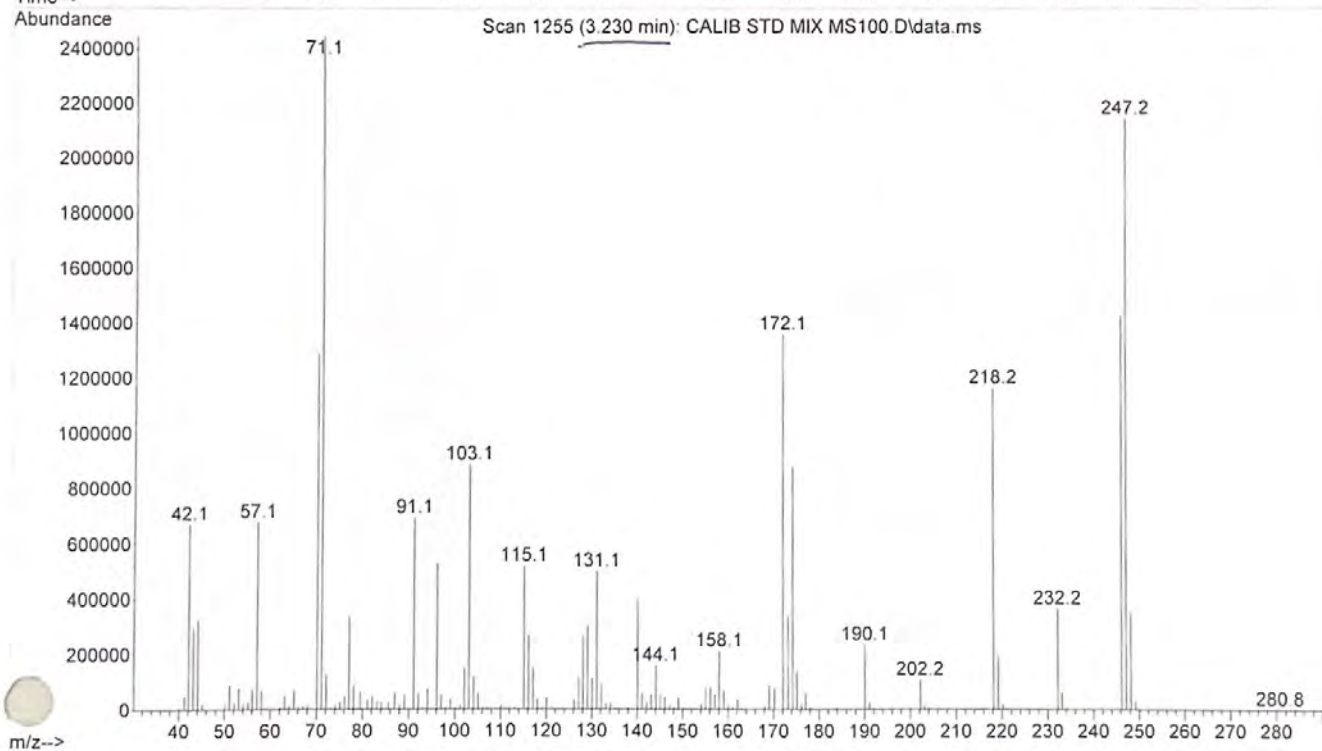
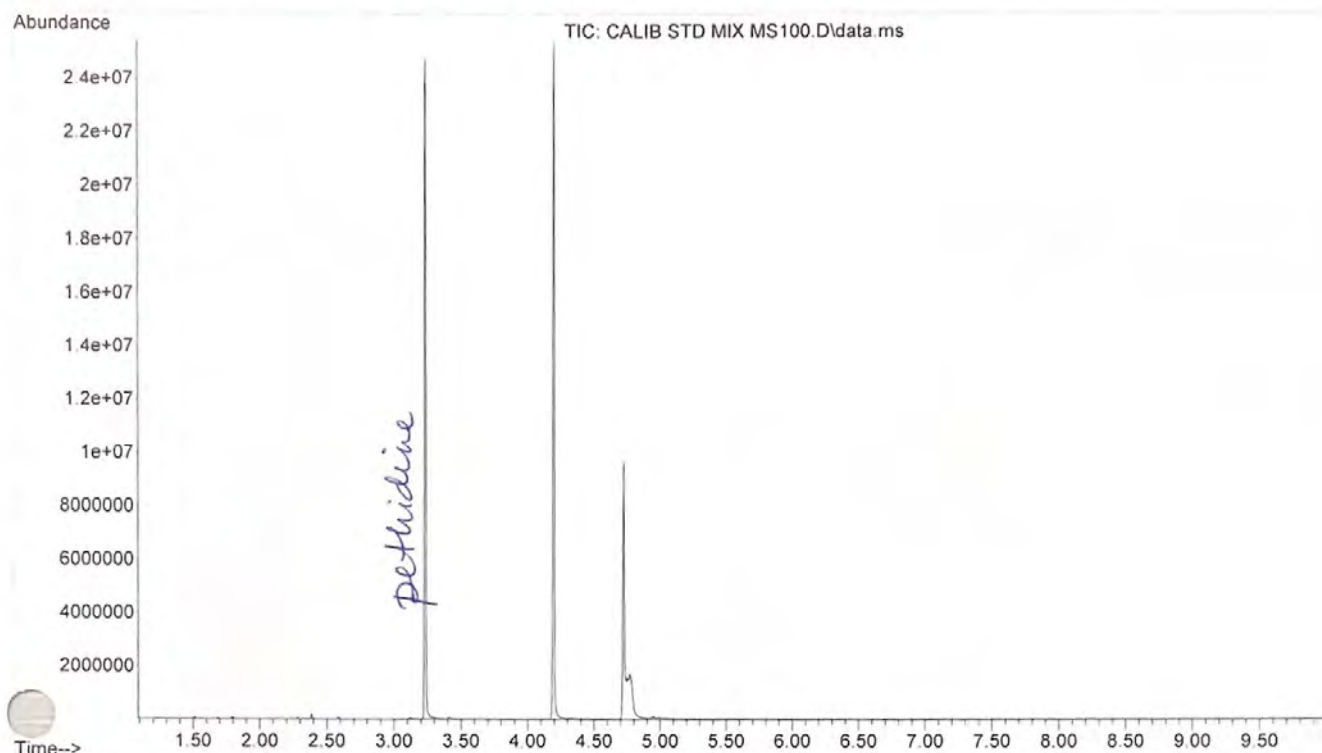
Self-Cleaning Ion Source Parameters

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

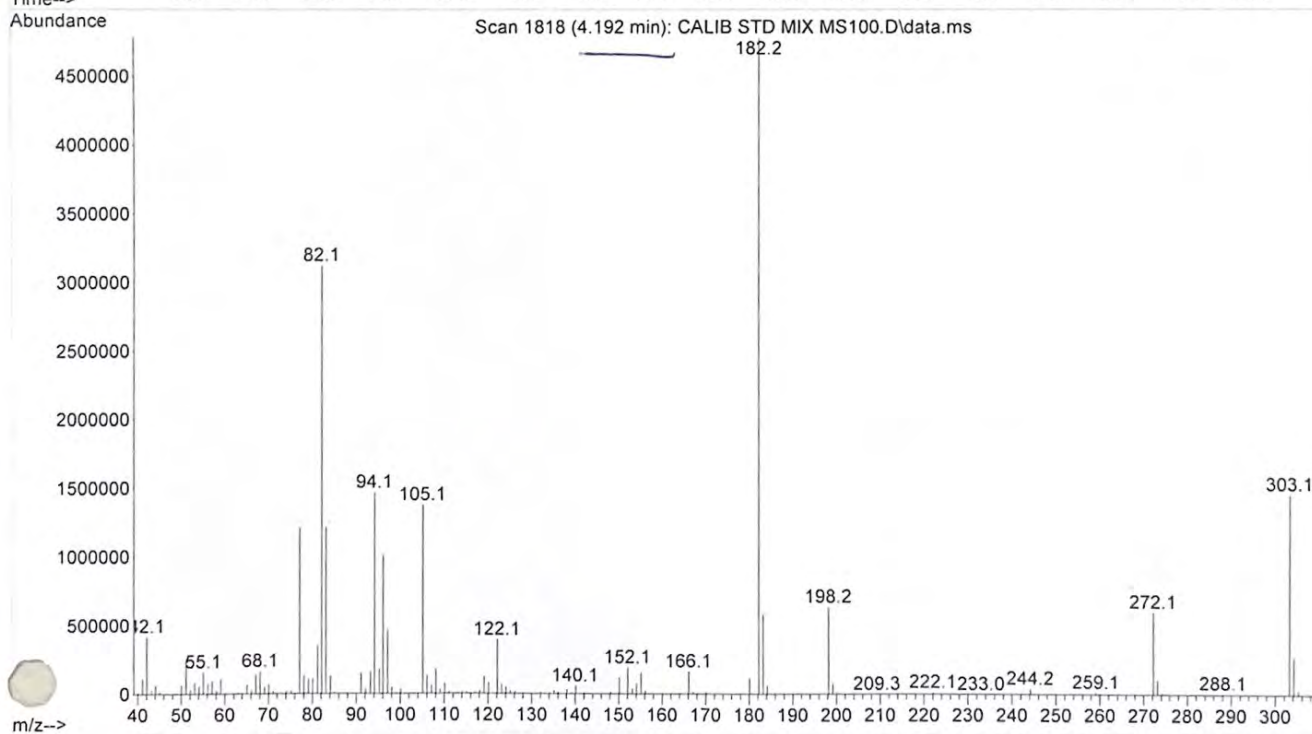
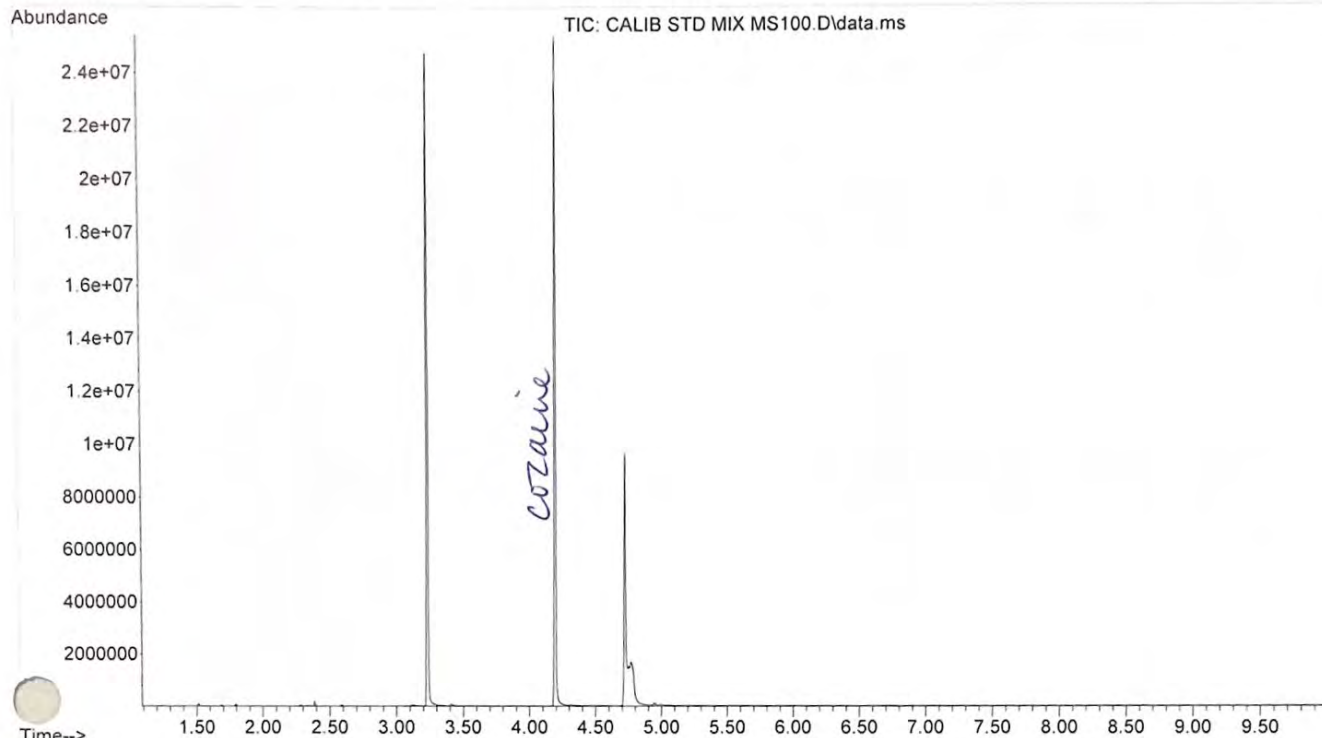
File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGS100\BLANK CA
... LIB STD MIX.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 03 Nov 2022 14:56 using AcqMethod ASMSDRUGS100.M
Sample Name: BLANK FOR CALIBRATION STD MIX
Misc Info : MeOH



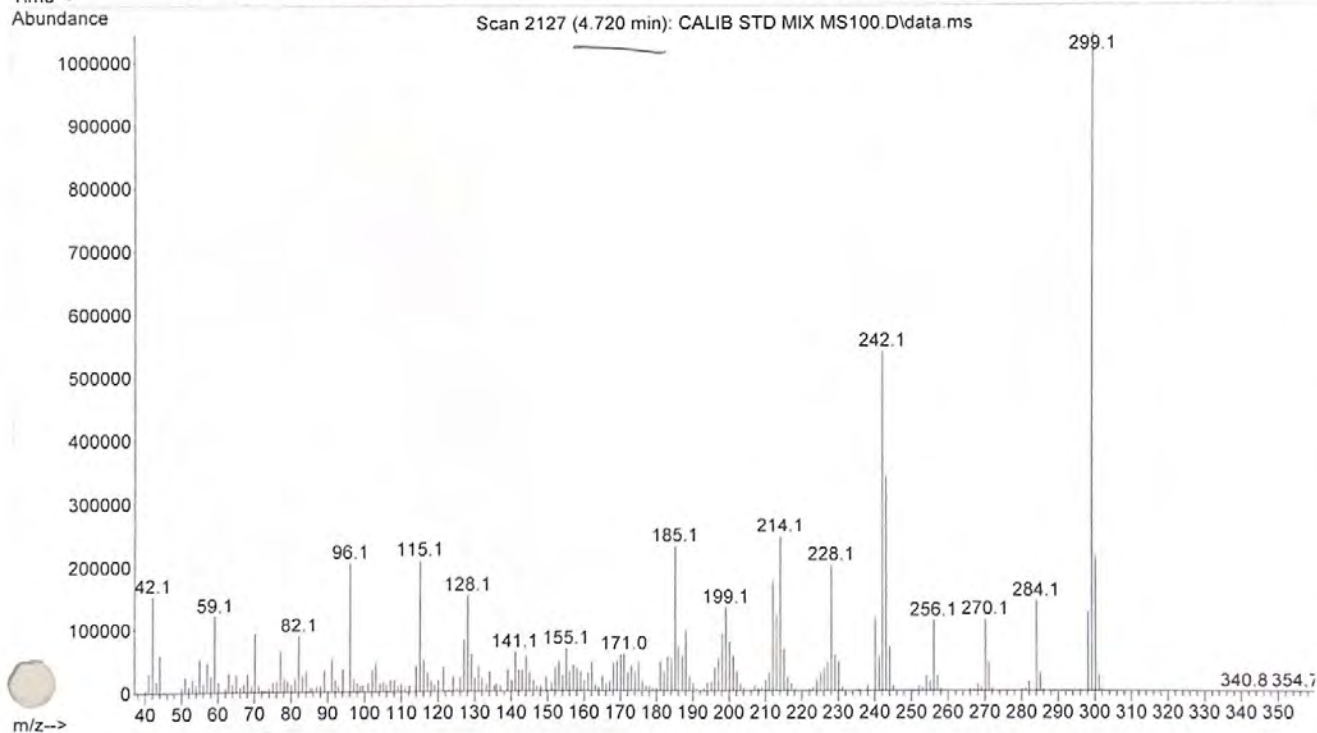
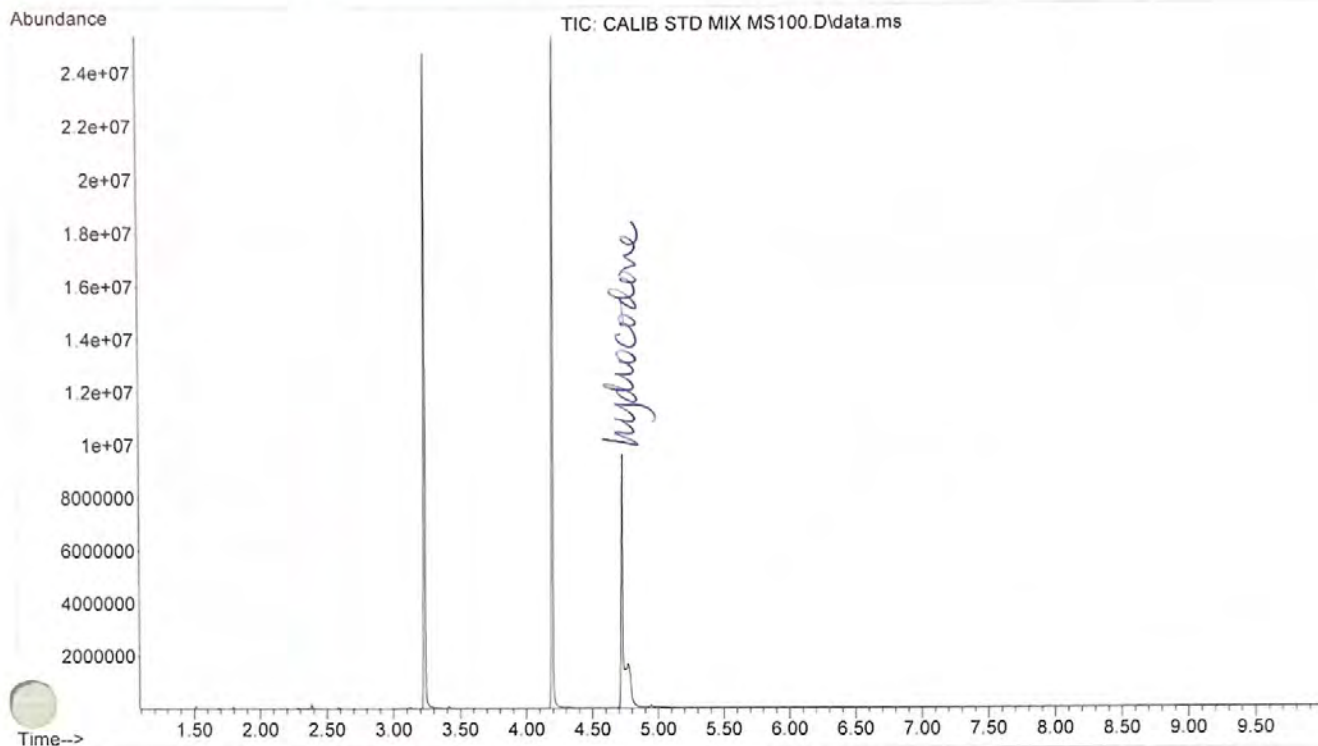
File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGS100\CALIB ST
... D MIX MS100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 03 Nov 2022 15:08 using AcqMethod ASMSDRUGS100.M
Sample Name: CALIBRATION STANDARD MIX (ASMSDRUGS100)
Misc Info : PETHIDINE / COCAINE / HYDROCODONE



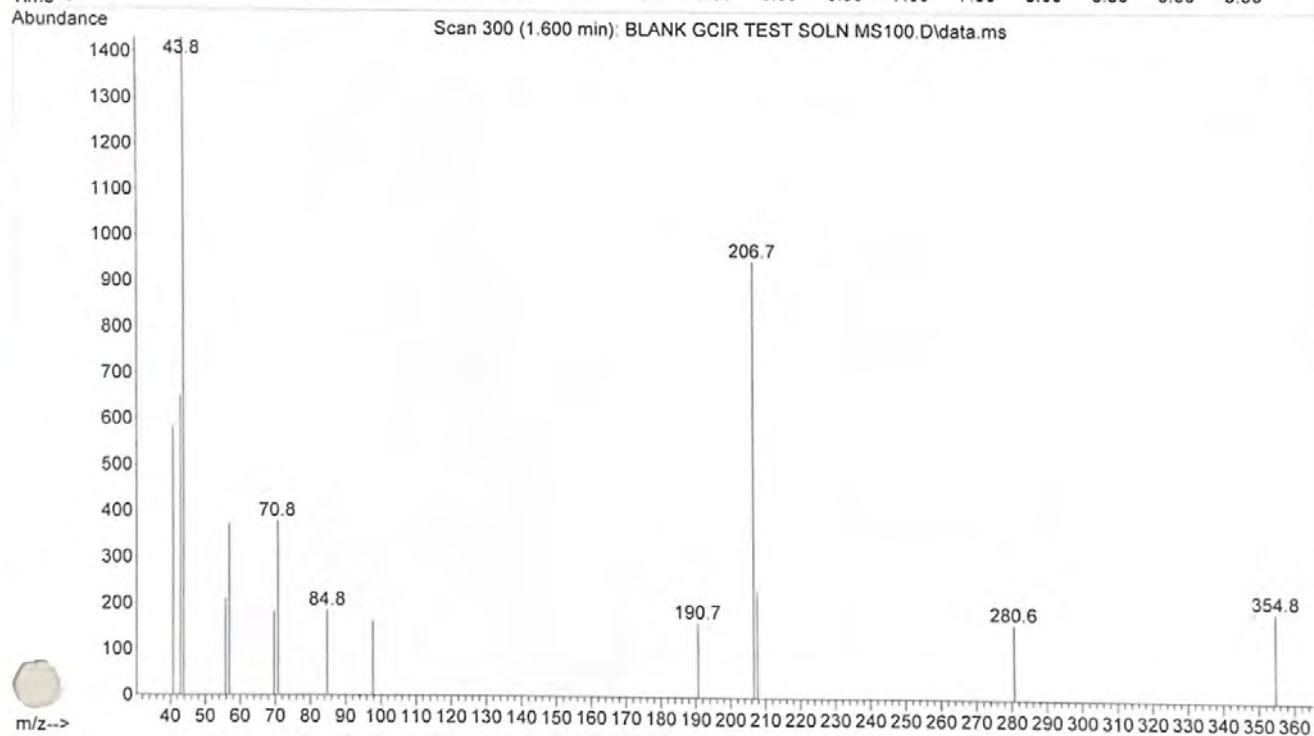
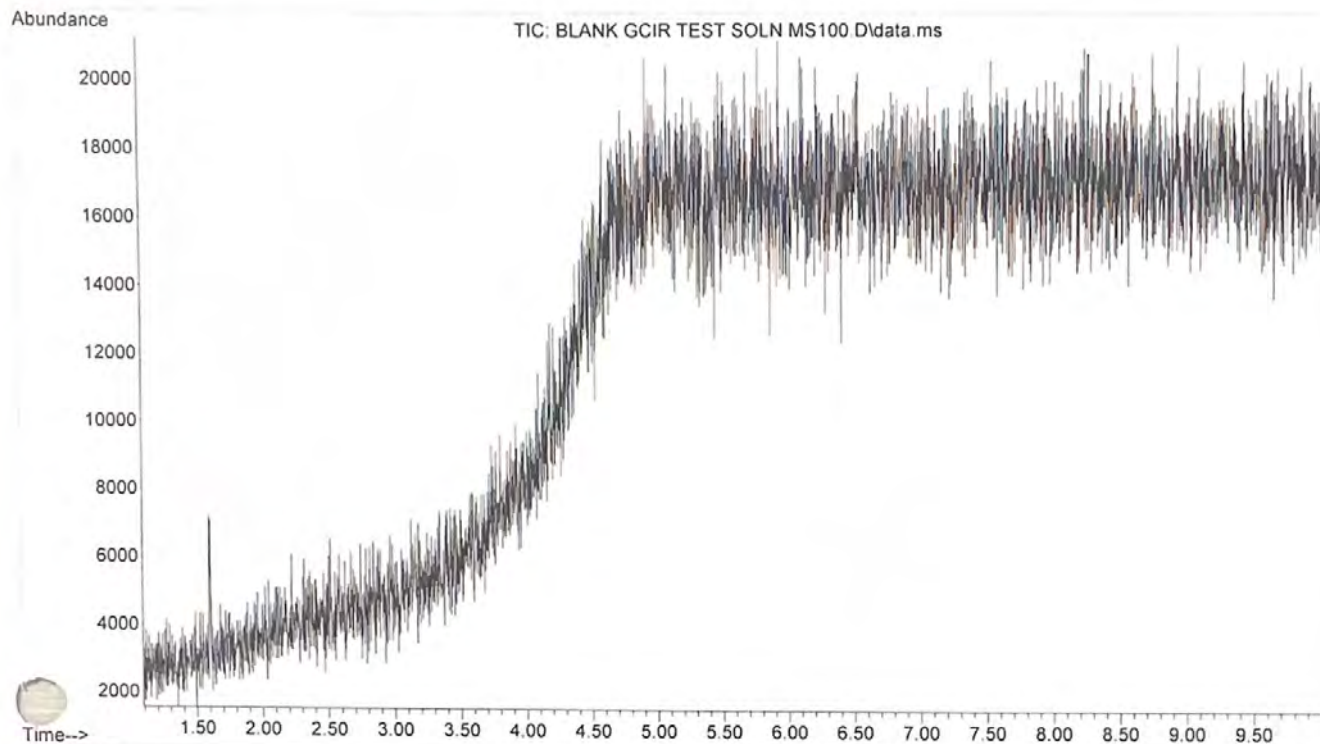
File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGS100\CALIB ST
... D MIX MS100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 03 Nov 2022 15:08 using AcqMethod ASMSDRUGS100.M
Sample Name: CALIBRATION STANDARD MIX (ASMSDRUGS100)
Mi info : PETHIDINE / COCAINE / HYDROCODONE



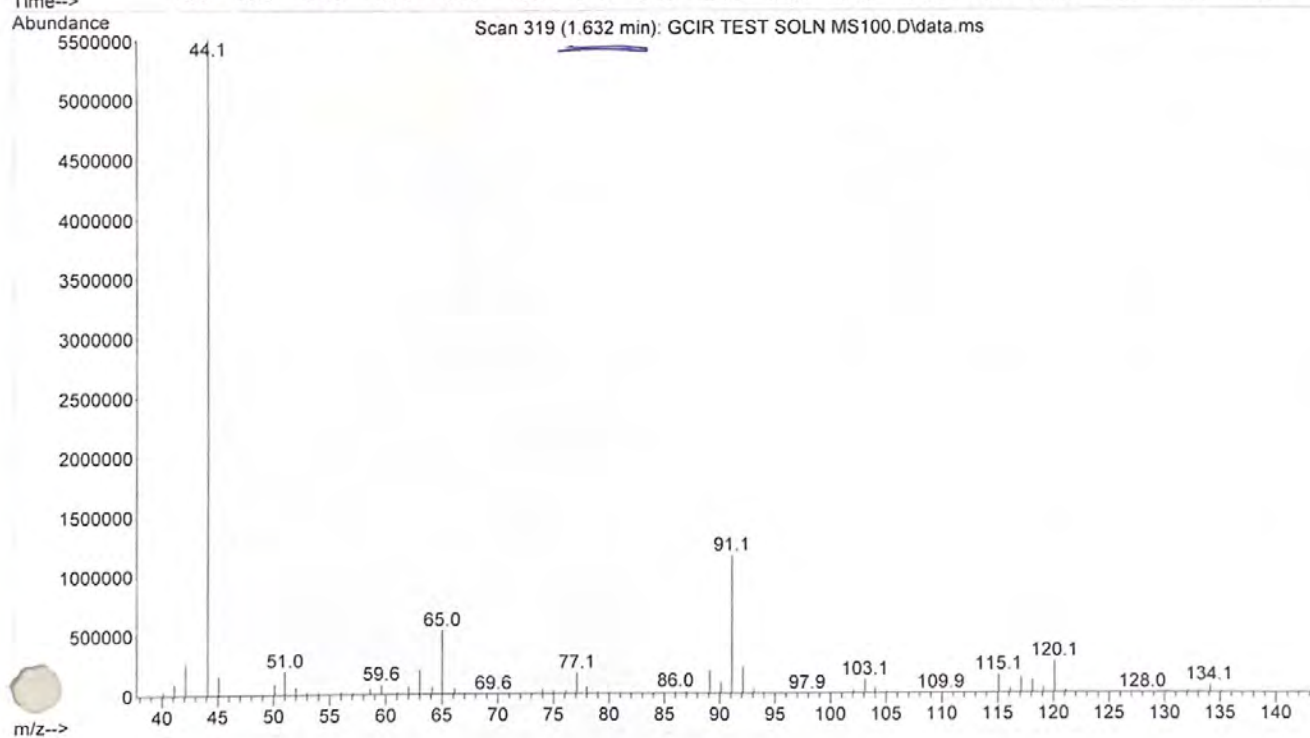
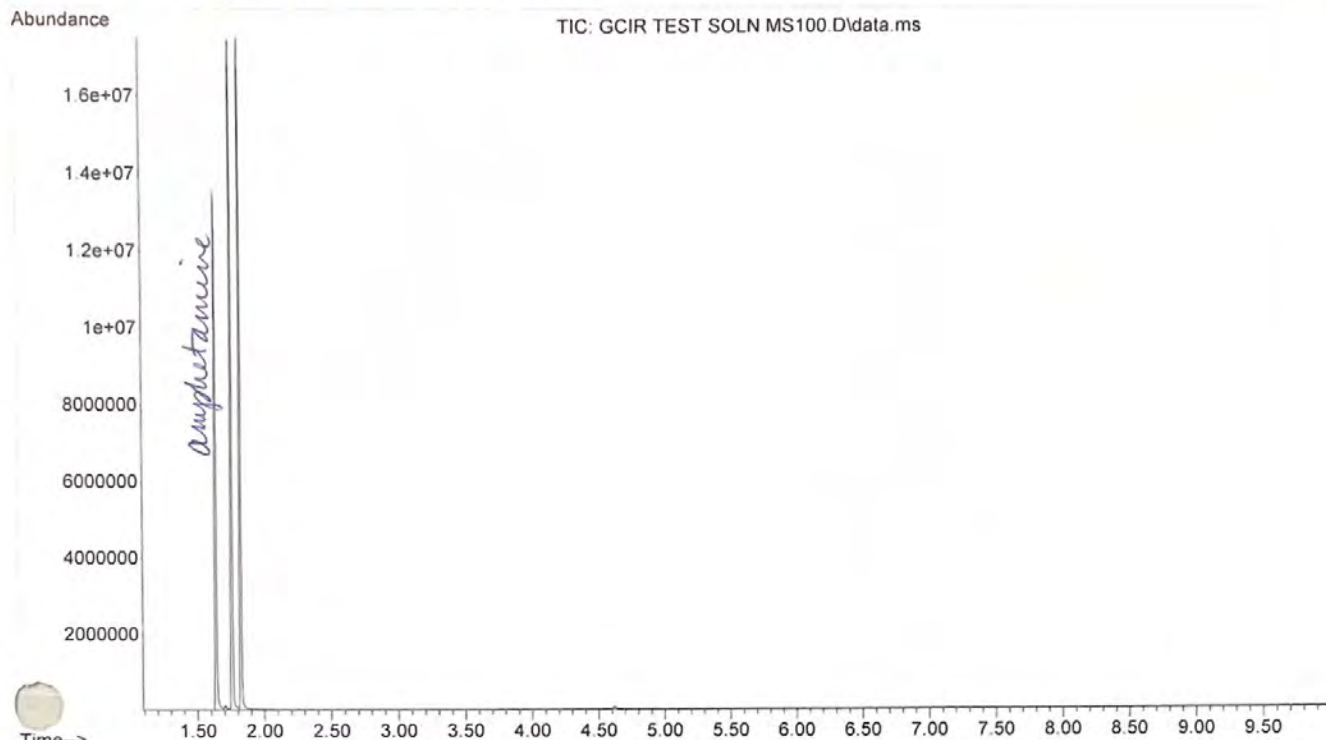
File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGS100\CALIB ST
... D MIX MS100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 03 Nov 2022 15:08 using AcqMethod ASMSDRUGS100.M
Sample Name: CALIBRATION STANDARD MIX (ASMSDRUGS100)
Mi nfo : PETHIDINE / COCAINE / HYDROCODONE



File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGS100\BLANK GC
... IR TEST SOLN MS100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 03 Nov 2022 15:34 using AcqMethod ASMSDRUGS100.M
Sample Name: BLANK FOR GC/IR TEST SOLUTION
Misc Info : MeOH

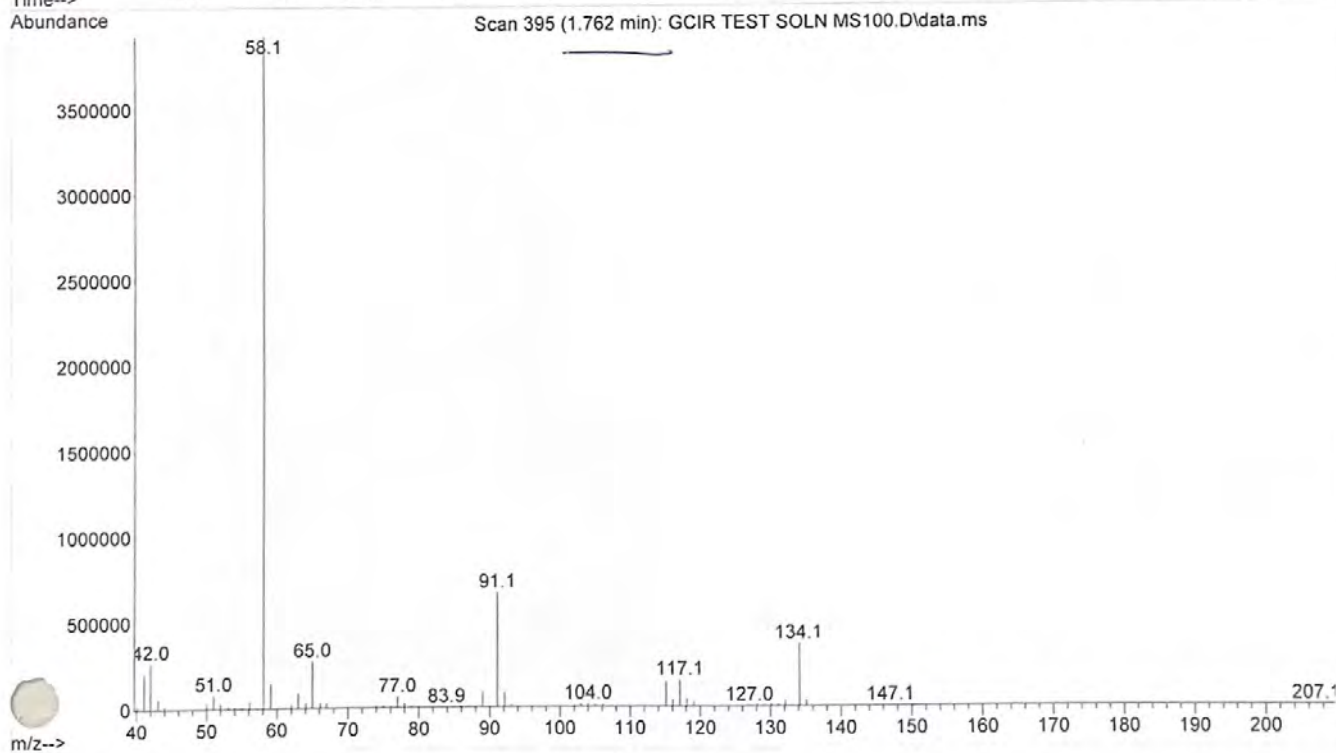
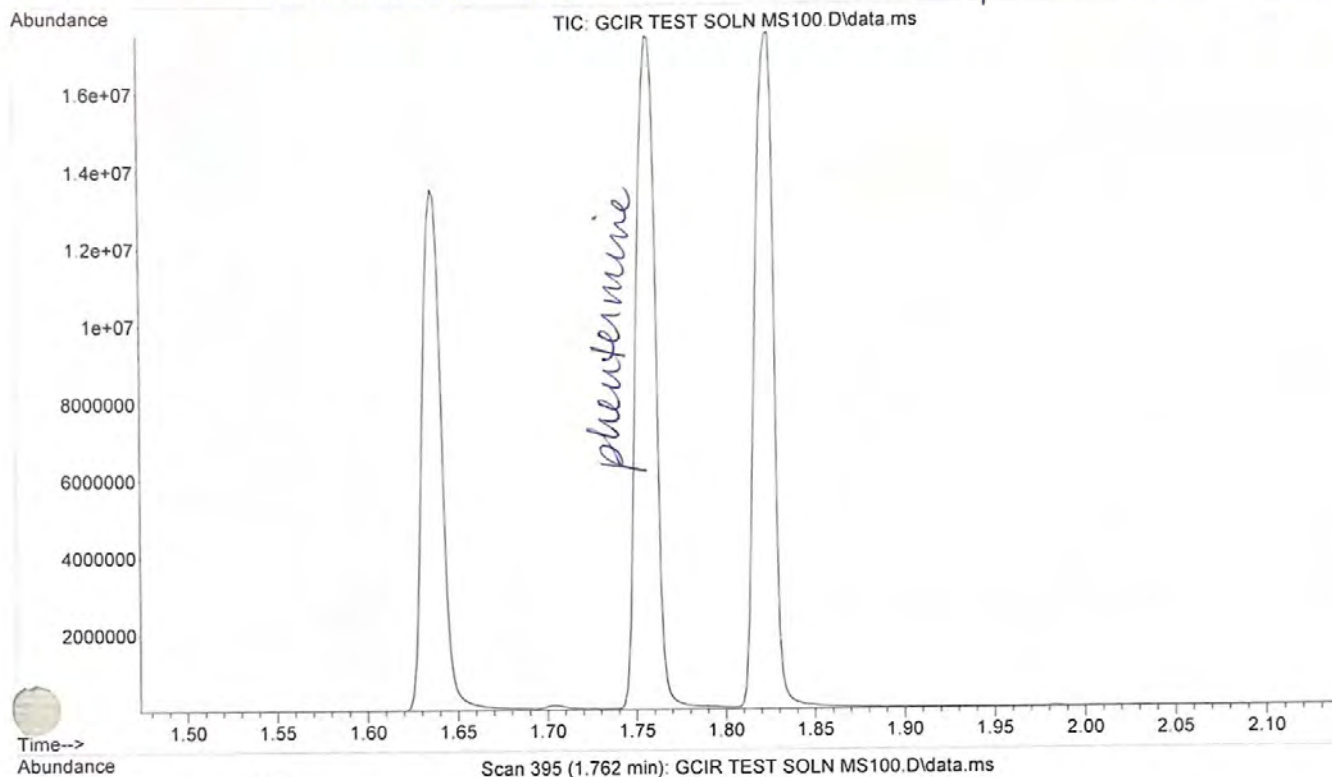


File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGS100\GCIR TES
... T SOLN MS100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 03 Nov 2022 15:47 using AcqMethod ASMSDRUGS100.M
Sample Name: GC/IR TEST SOLUTION (ASMSDRUGS100)
Misc info : ~~MeOH~~ 2:1 D.S.N NaOH → CHCl₃ JKB



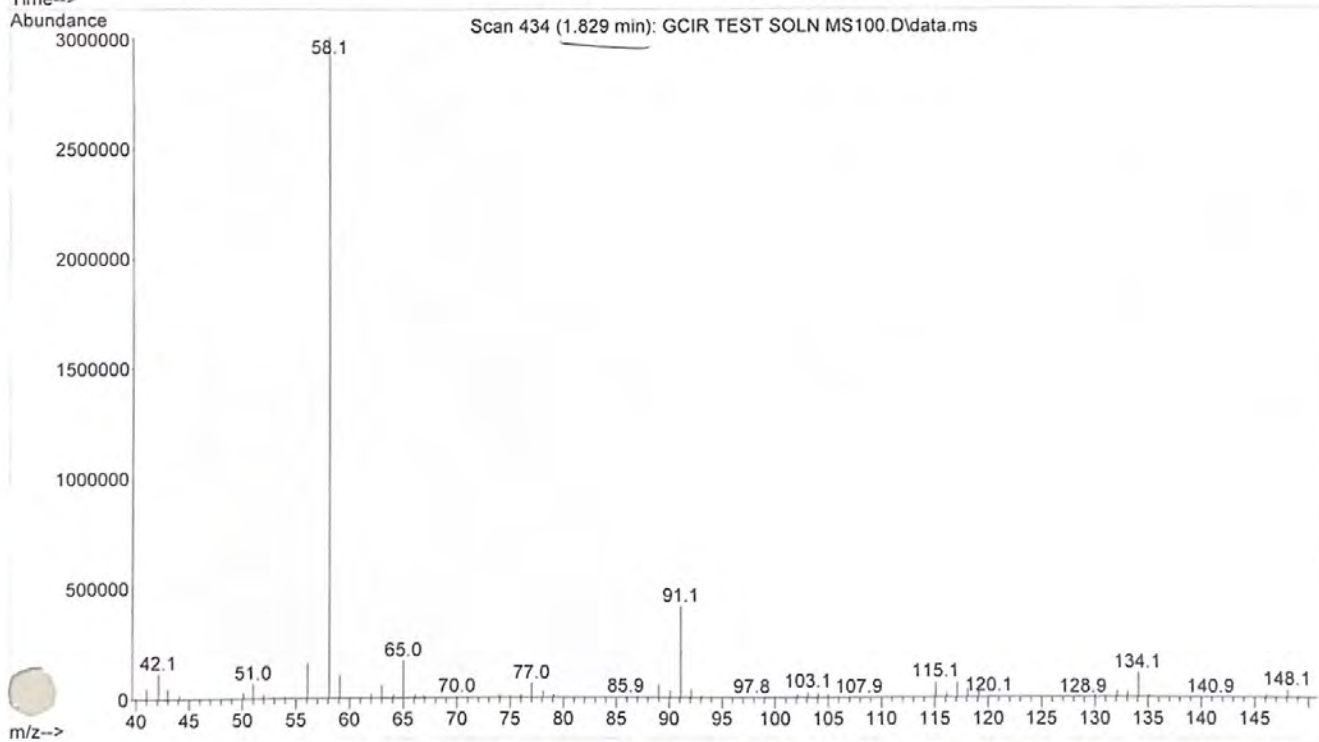
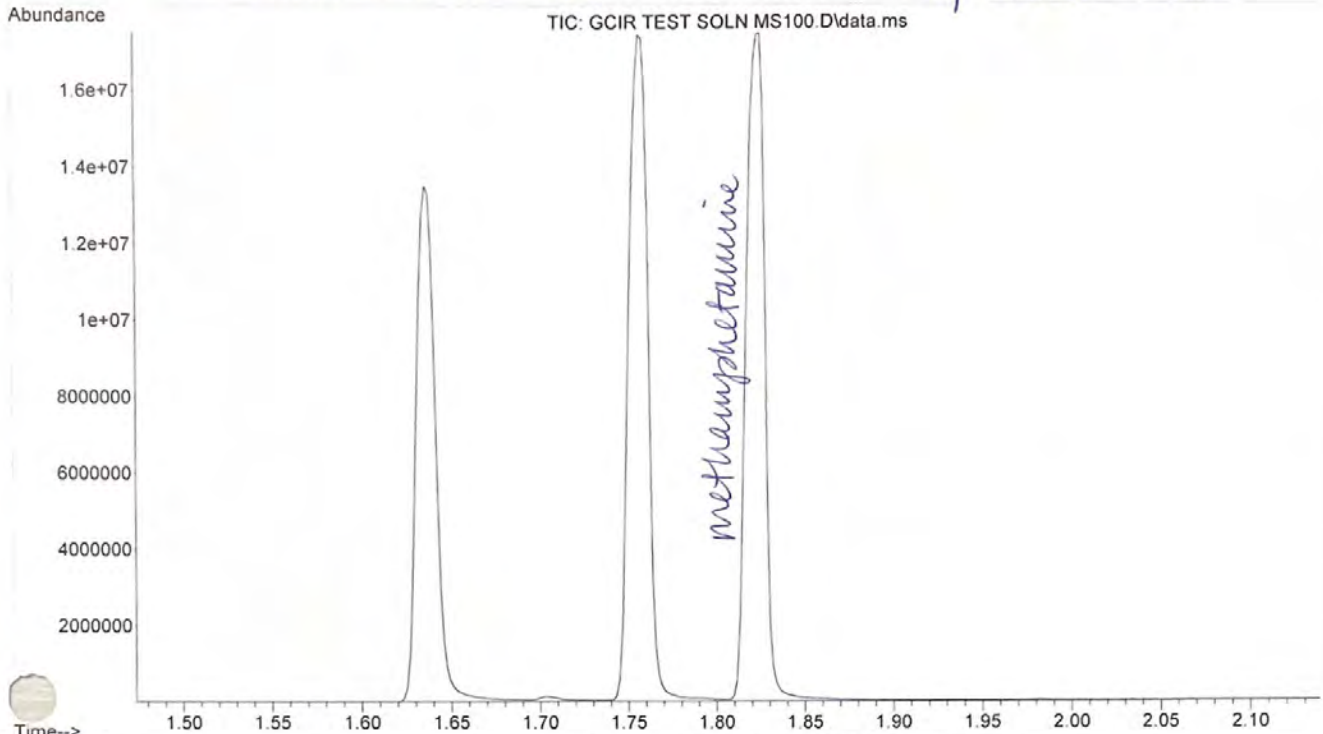
File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGS100\GCIR TES
... T SOLN MS100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 03 Nov 2022 15:47 using AcqMethod ASMSDRUGS100.M
Sample Name: GC/IR TEST SOLUTION (ASMSDRUGS100)
Mi info : ~~MeOH~~ 2:1 O5N NaOH → CHCl₃ JKB

expanded view

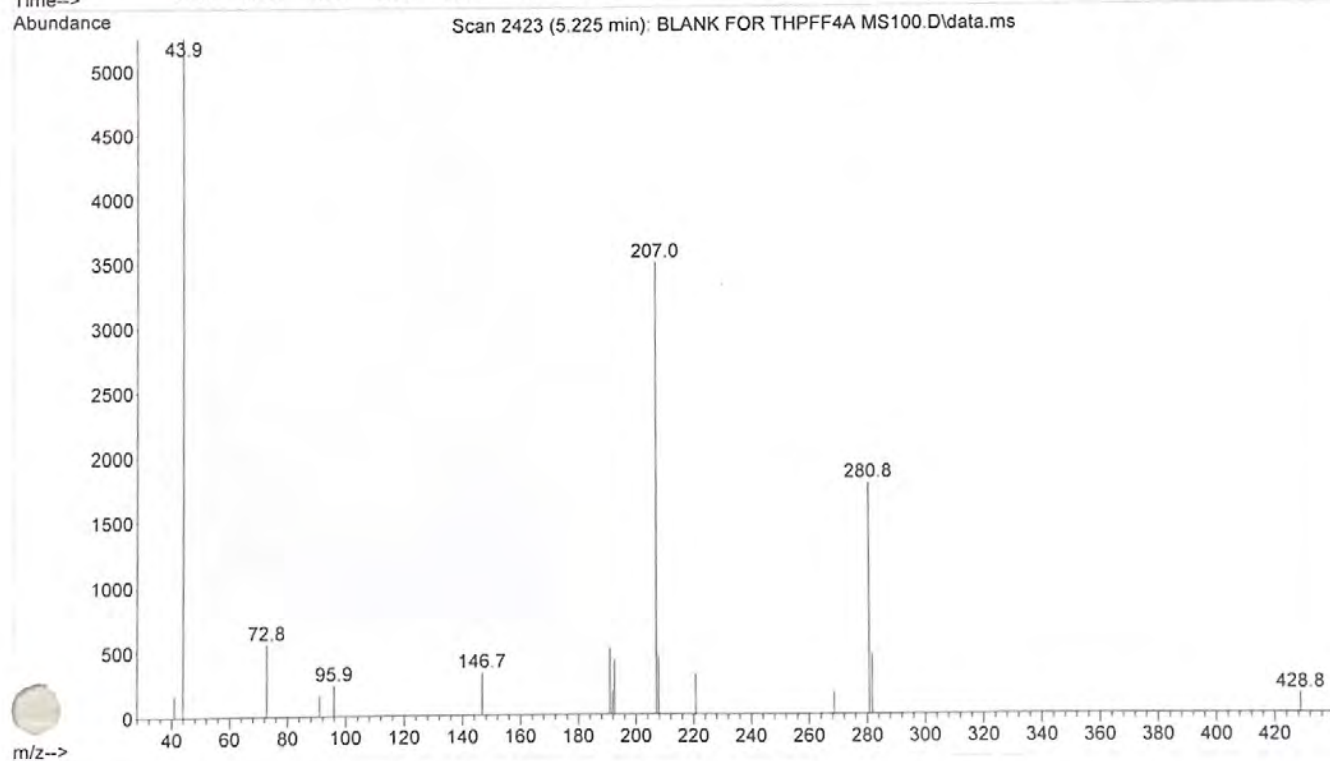
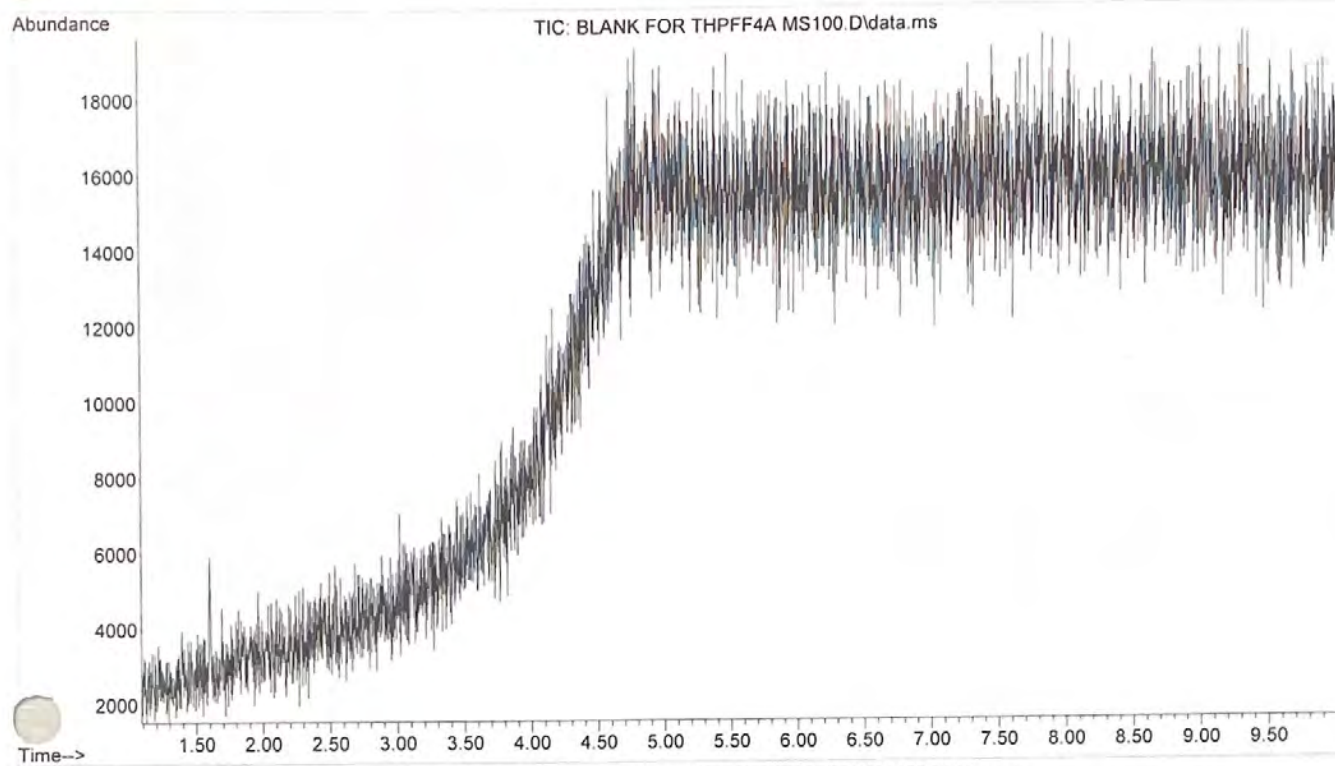


File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGS100\GCIR TES
... T SOLN MS100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 03 Nov 2022 15:47 using AcqMethod ASMSDRUGS100.M
Sample Name: GC/IR TEST SOLUTION (ASMSDRUGS100)
Misc info : MeOH 2:1 0.5N NaOH → CHCl₃ JKB

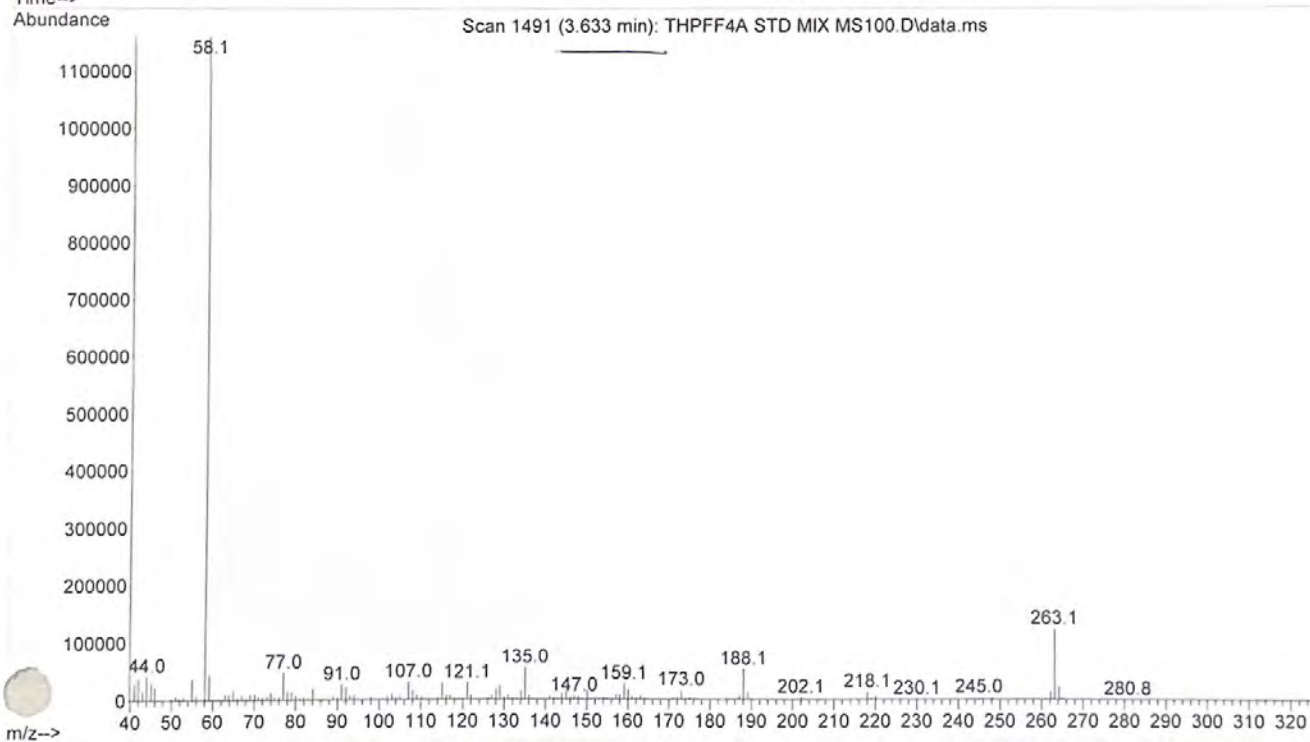
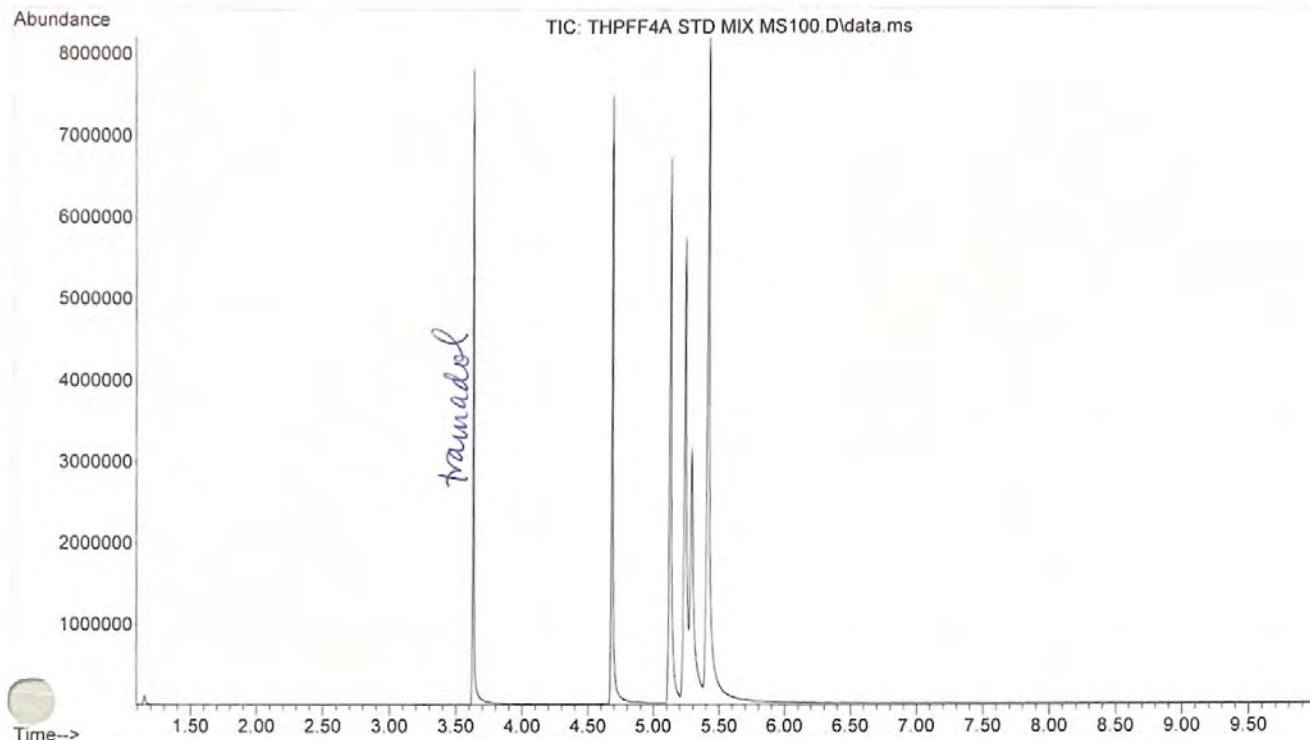
expanded view



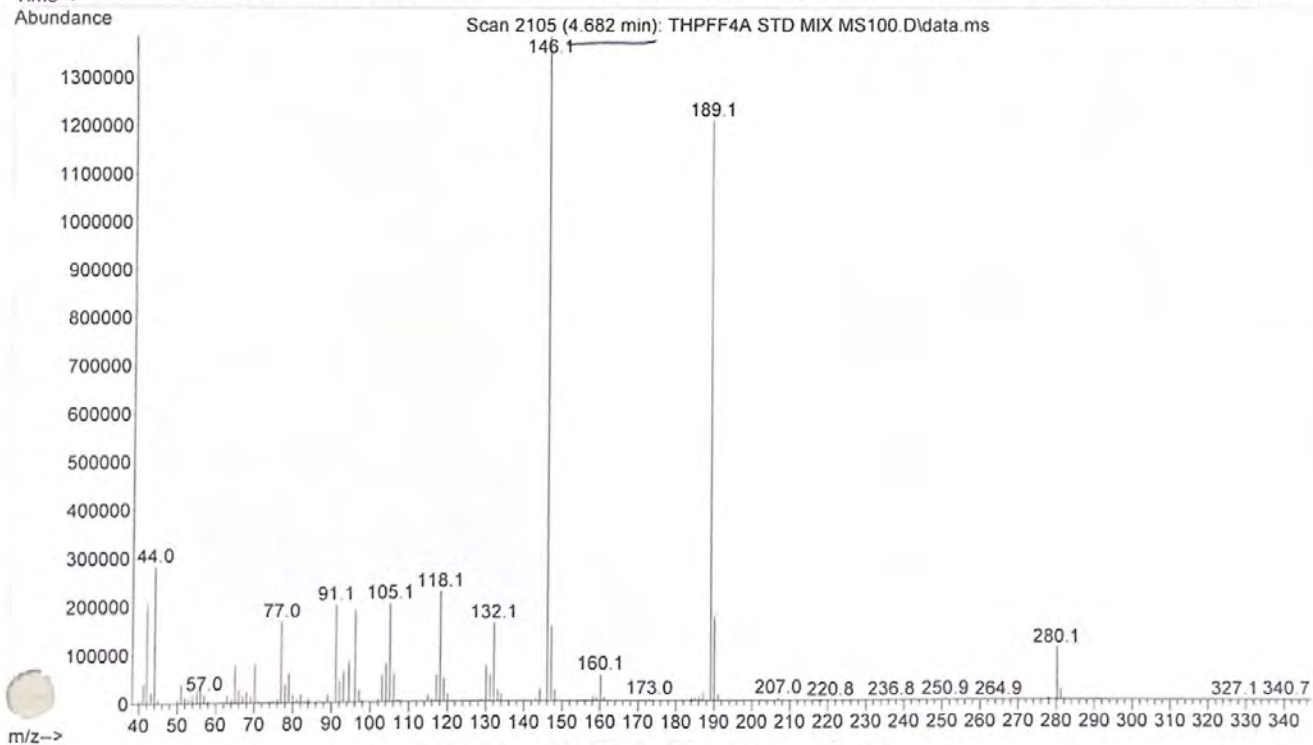
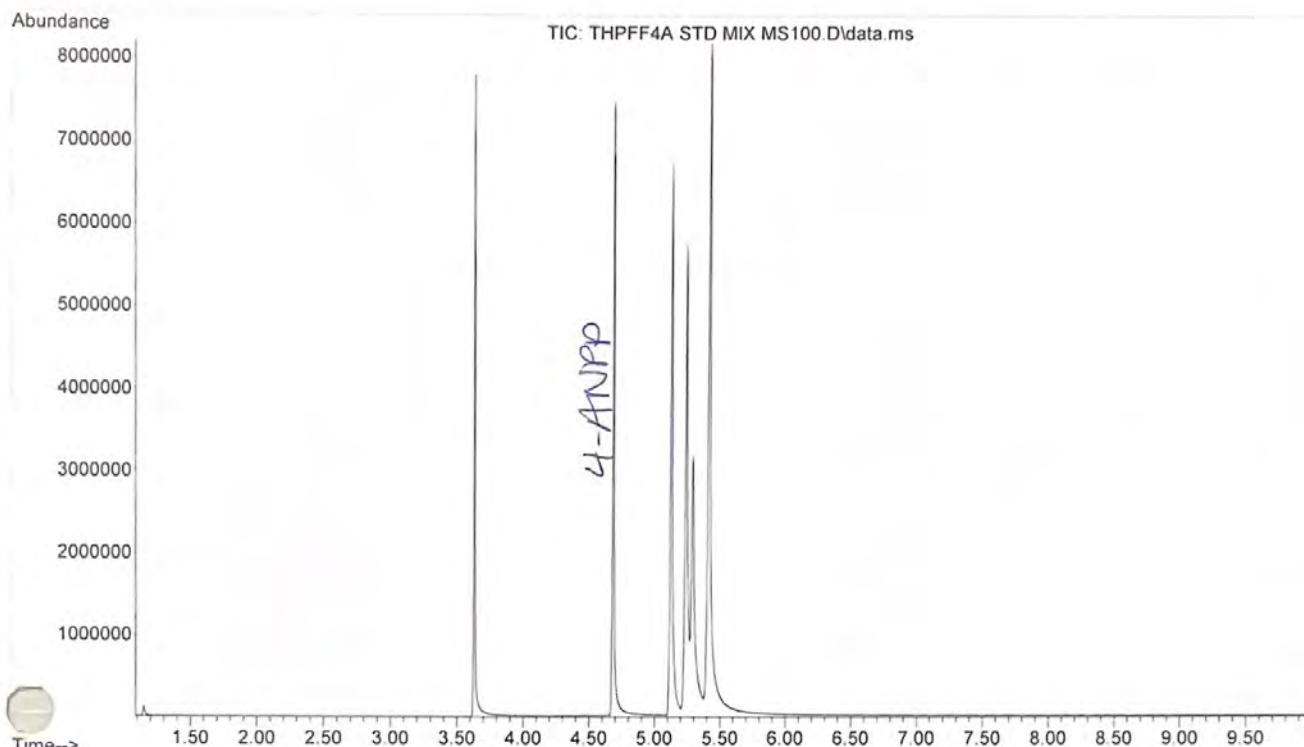
File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGS100\BLANK FO
... R THPFF4A MS100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 03 Nov 2022 16:13 using AcqMethod ASMSDRUGS100.M
Sample Name: BLANK FOR THPFF4A
Misc Info : MeOH



File : D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGS100\THPFF4A
... STD MIX MS100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 03 Nov 2022 16:25 using AcqMethod ASMSDRUGS100.M
Sample Name: THPFF4A STANDARD MIX
Misc info : MeOH

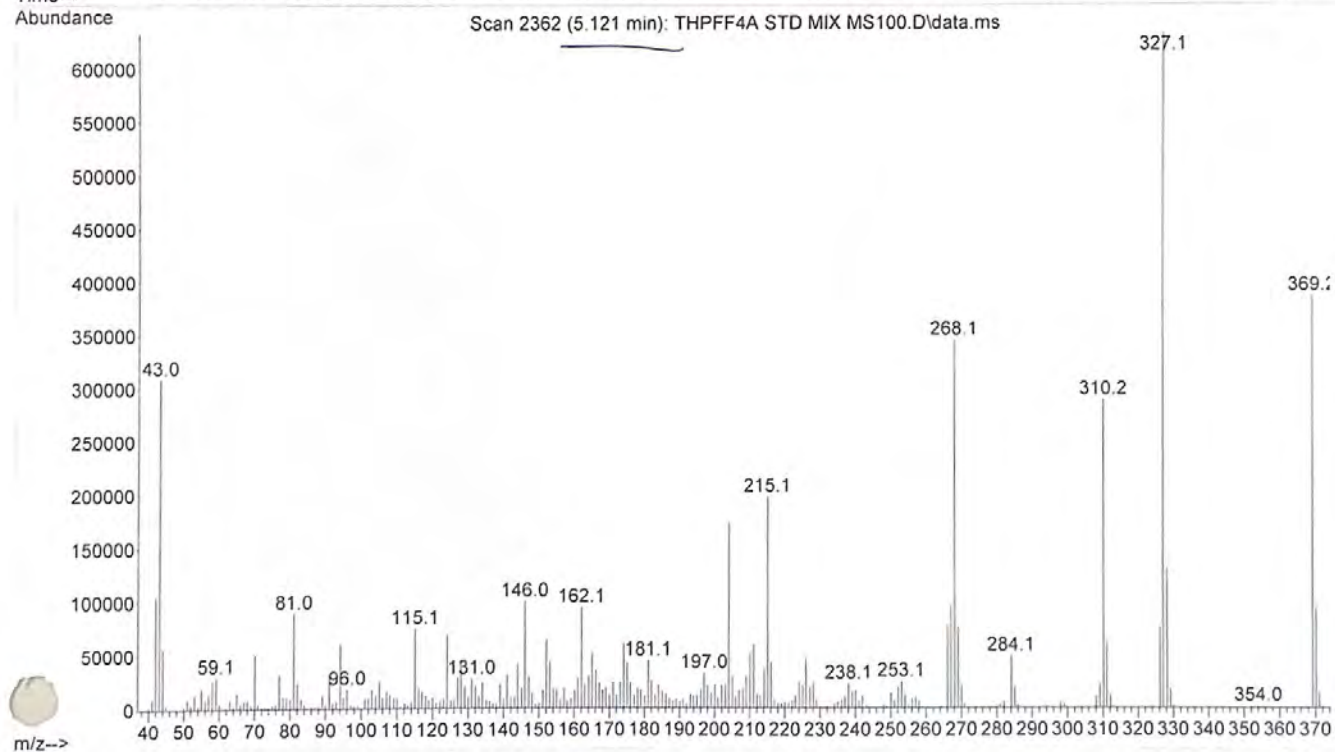
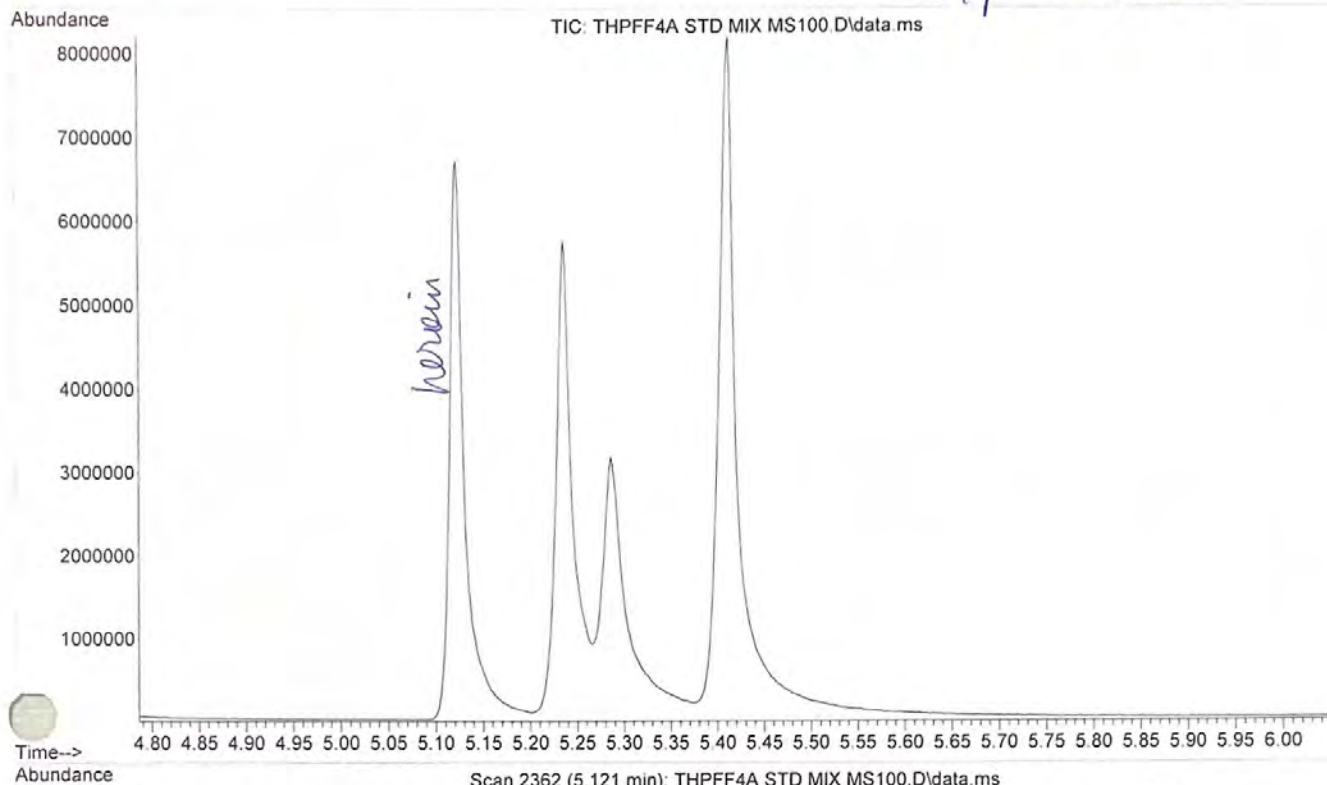


File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGS100\THPFF4A
... STD MIX MS100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 03 Nov 2022 16:25 using AcqMethod ASMSDRUGS100.M
Sample Name: THPFF4A STANDARD MIX
Mi nfo : MeOH



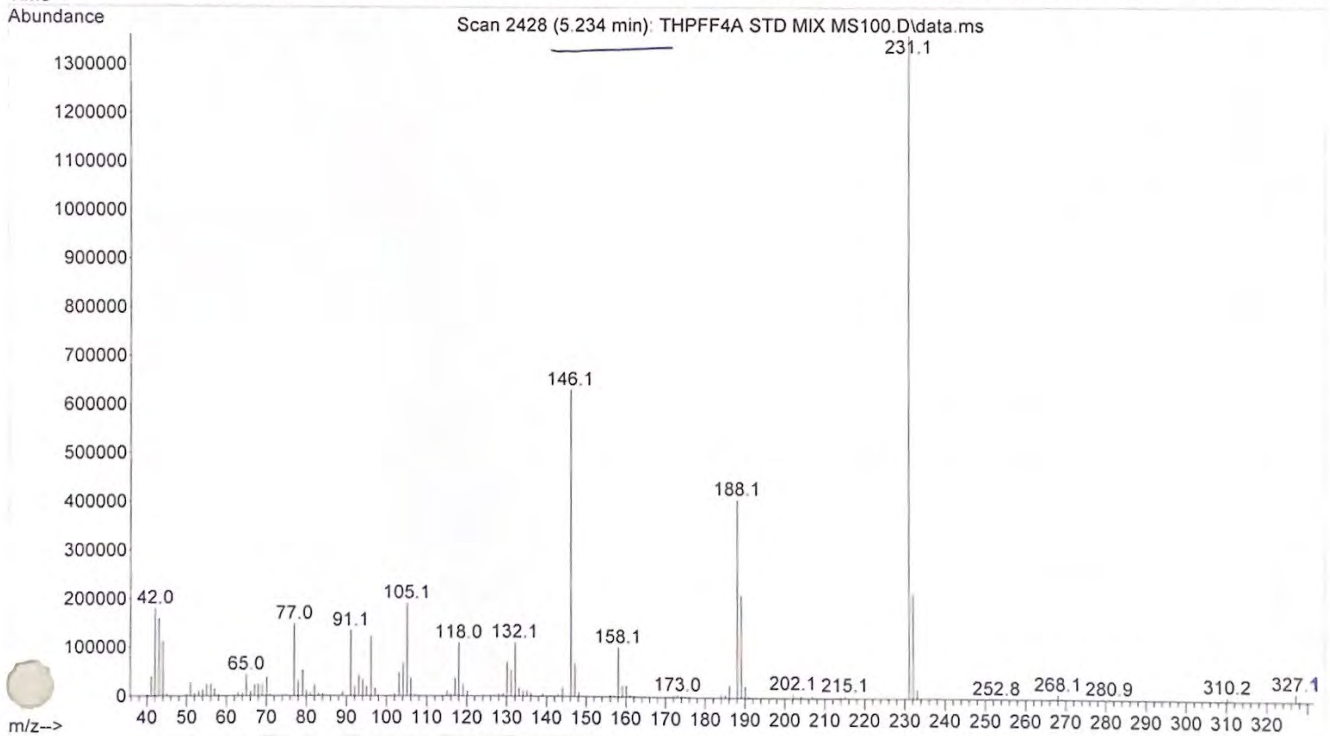
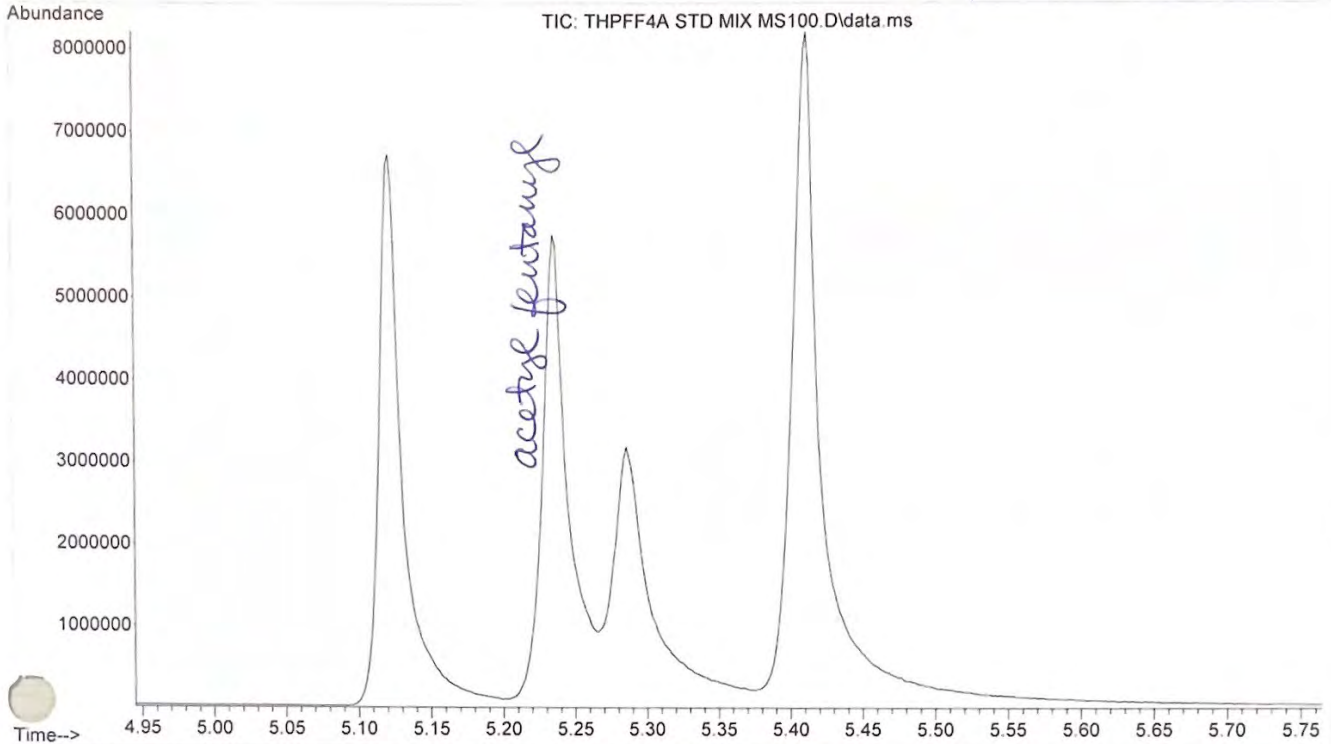
File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGS100\THPFF4A
... STD MIX MS100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 03 Nov 2022 16:25 using AcqMethod ASMSDRUGS100.M
Sample Name: THPFF4A STANDARD MIX
Misc info : MeOH

expanded view

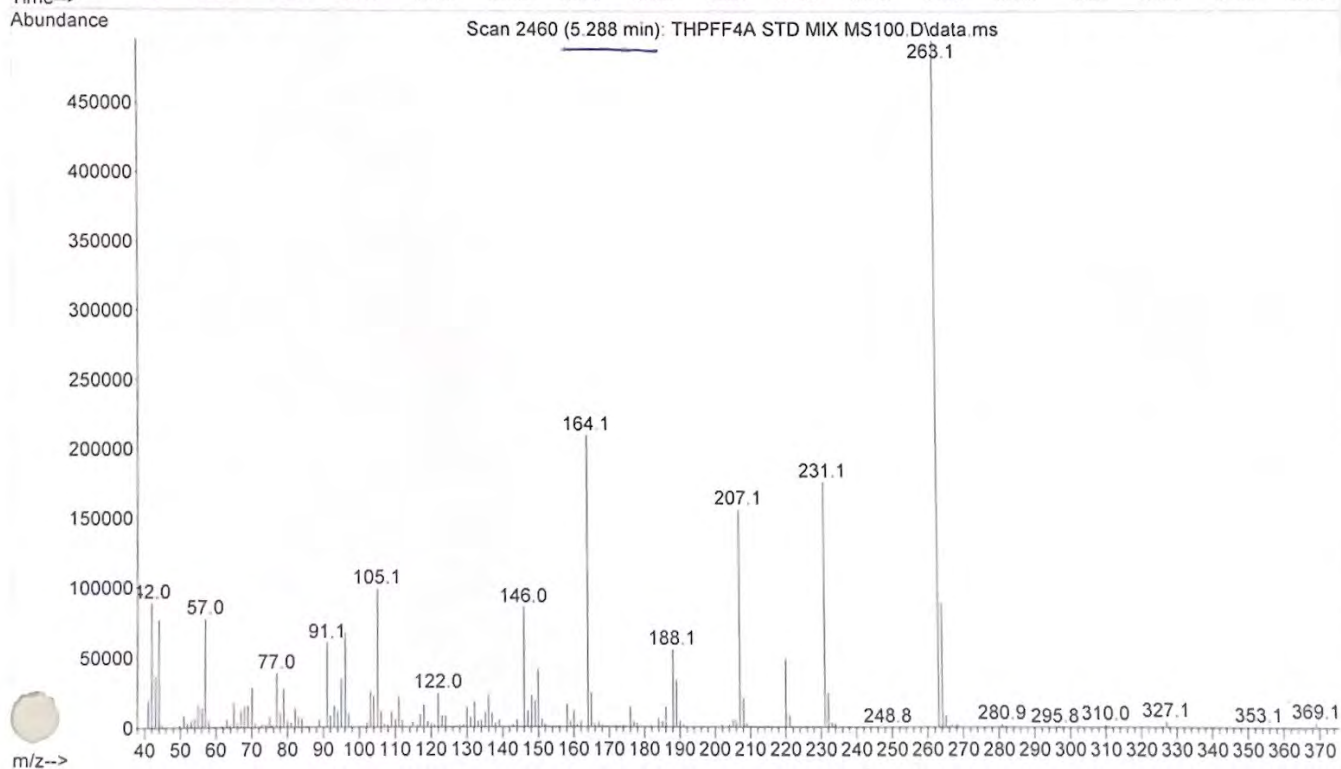
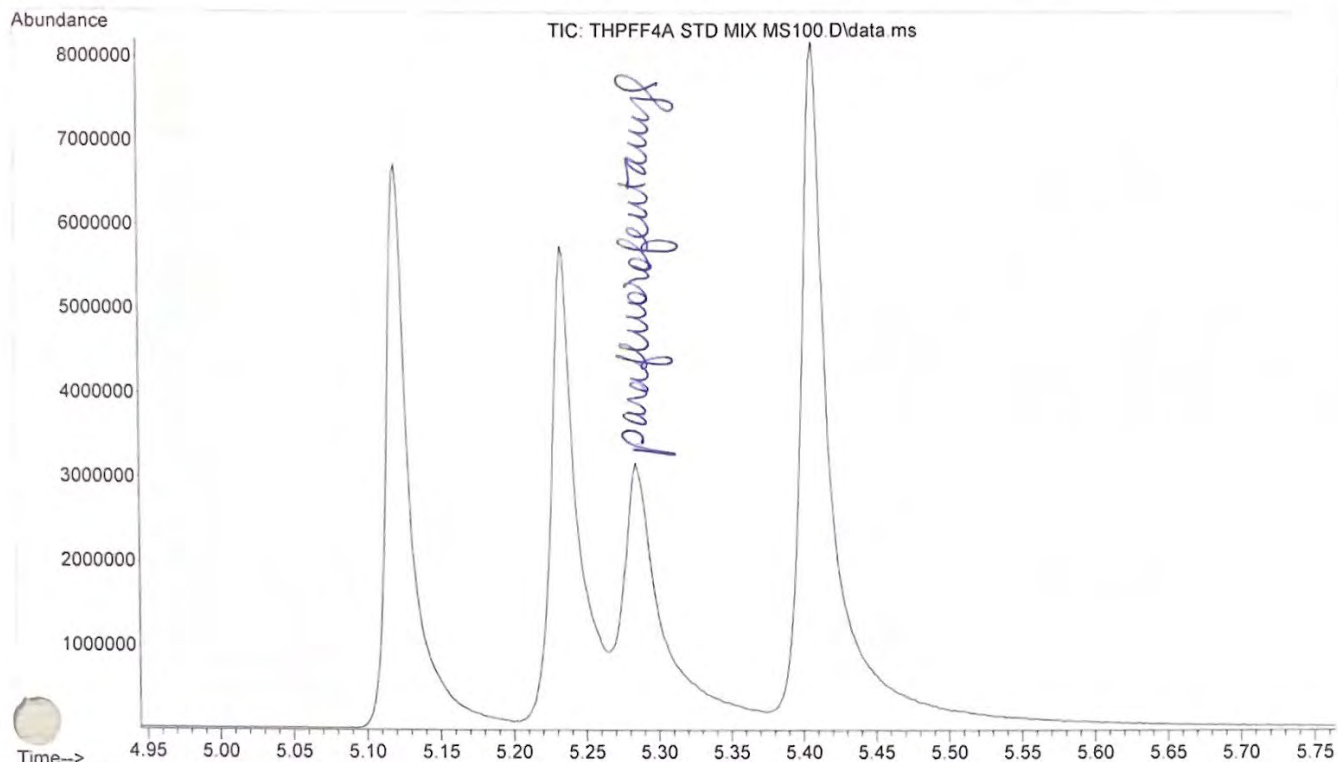


File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGS100\THPFF4A
... STD MIX MS100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 03 Nov 2022 16:25 using AcqMethod ASMSDRUGS100.M
Sample Name: THPFF4A STANDARD MIX
Misc Info : MeOH

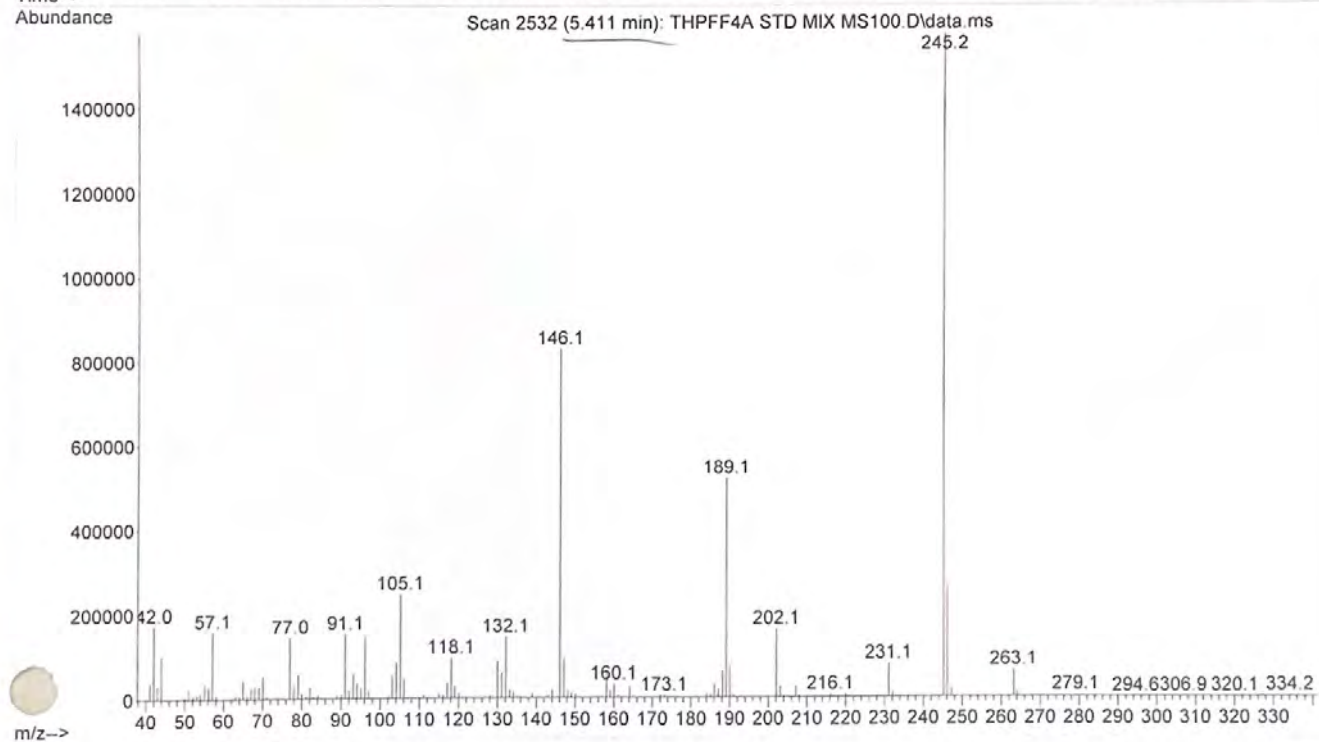
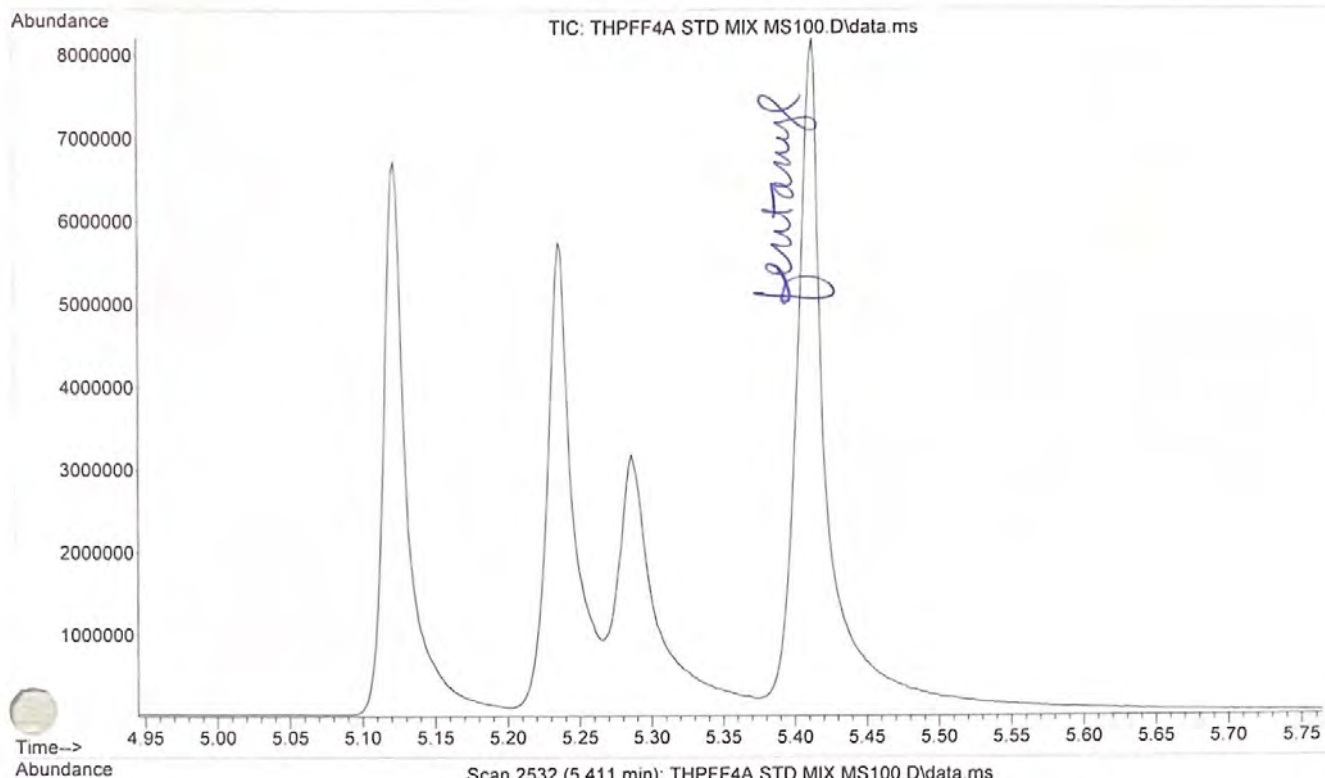
expanded view



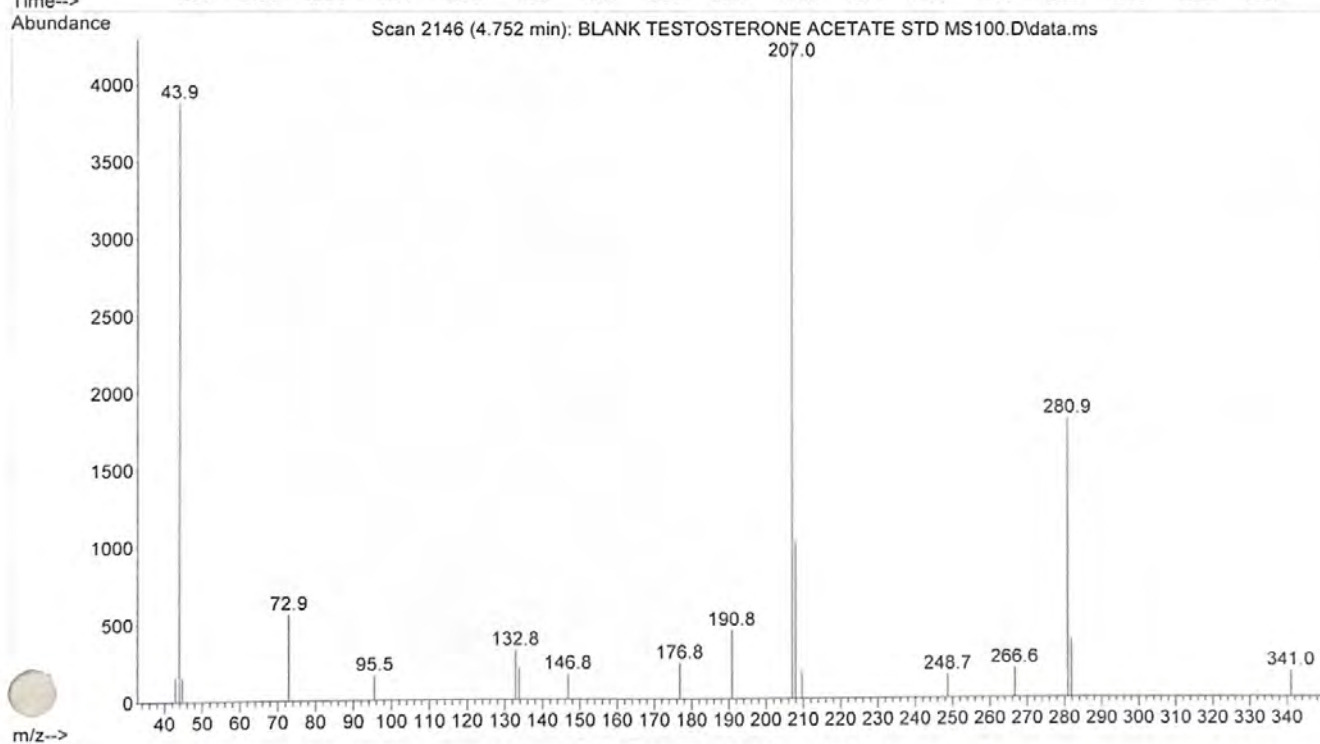
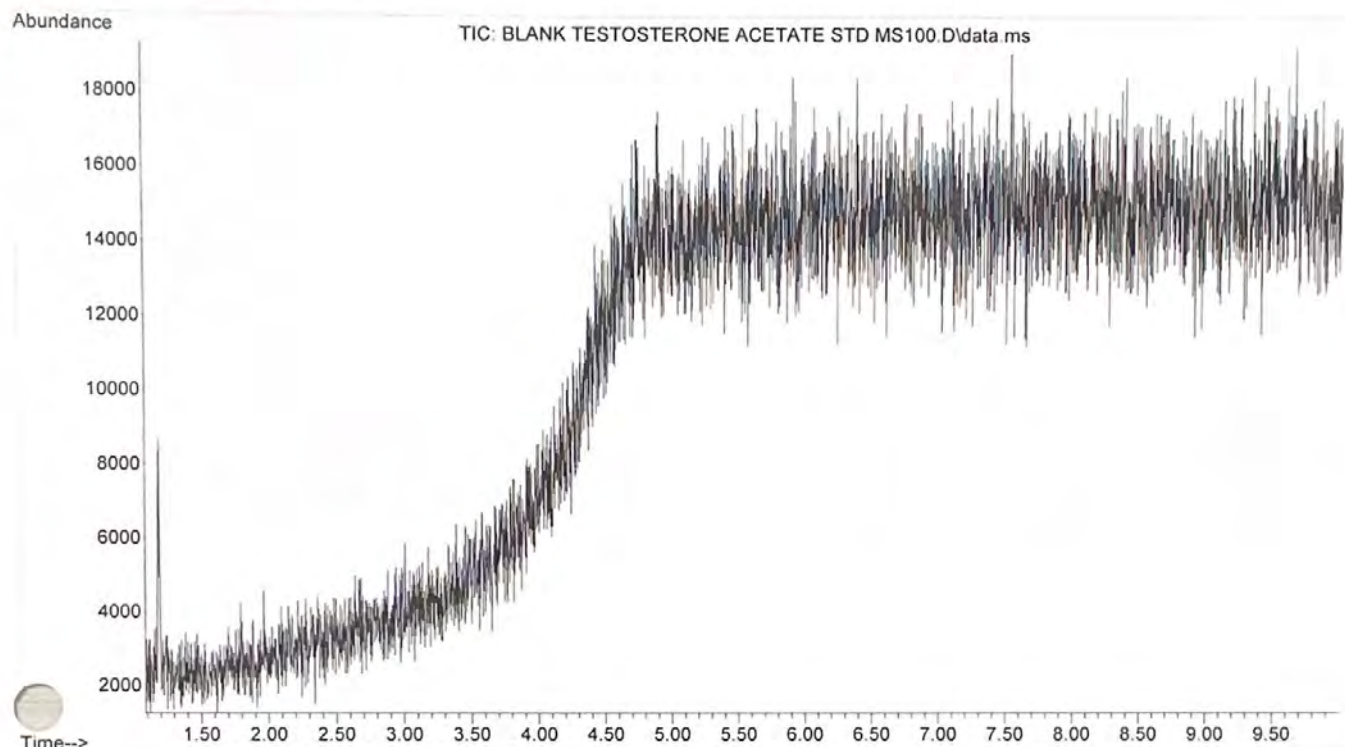
File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGS100\THPFF4A
... STD MIX MS100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 03 Nov 2022 16:25 using AcqMethod ASMSDRUGS100.M
Sample Name: THPFF4A STANDARD MIX
Misc Info : MeOH



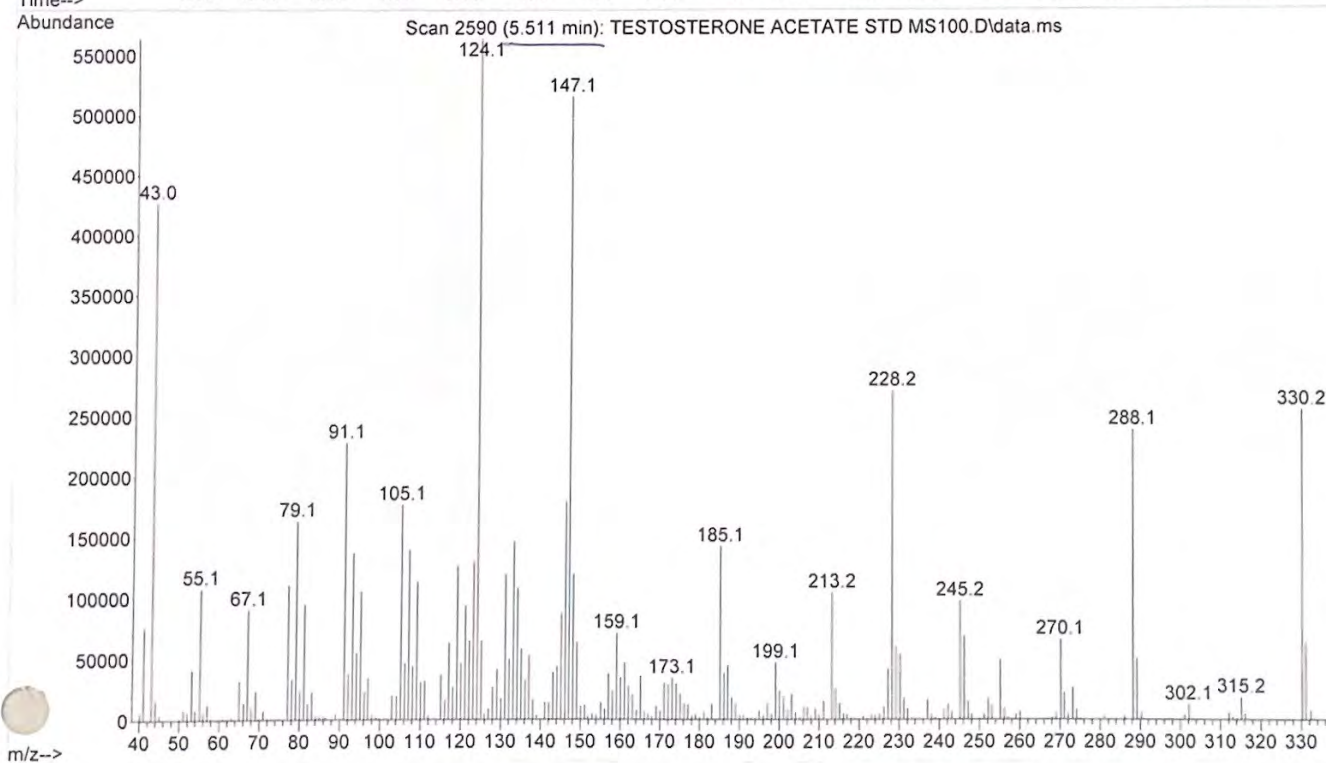
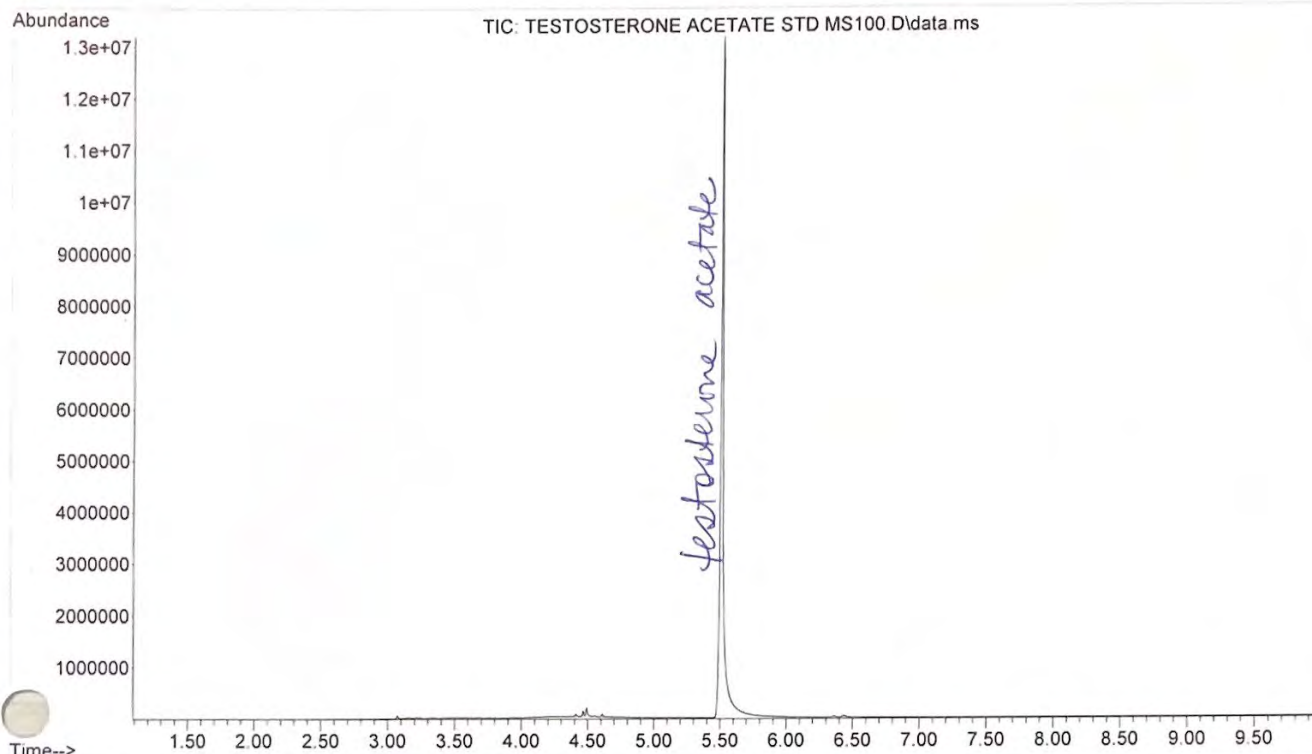
File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGS100\THPFF4A
... STD MIX MS100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 03 Nov 2022 16:25 using AcqMethod ASMSDRUGS100.M
Sample Name: THPFF4A STANDARD MIX
Misc Info : MeOH



File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGS100\BLANK TE
... STOSTERONE ACETATE STD MS100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 03 Nov 2022 16:51 using AcqMethod ASMSDRUGS100.M
Sample Name: BLANK FOR TESTOSTERONE ACETATE STD
Misc Info : 0.5N NaOH --> CHCl3



File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGS100\TESTOSTE
... RONE ACETATE STD MS100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 03 Nov 2022 17:04 using AcqMethod ASMSDRUGS100.M
Sample Name: TESTOSTERONE ACETATE STD (ASMSDRUGS100)
Misc Info : 0.5N NaOH --> CHCl3



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 =
- ☒ Data Acquisition
- ☒ 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

INSTRUMENT CONTROL PARAMETERS: Alma

D:\MassHunter\GCMS\1\methods\ASMSDRUGS200.M
Tue Nov 29 11:59:19 2022

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 10.013 min
Post Run Time 0 min

Oven
Temperature
Setpoint On
(Initial) 200 °C
Hold Time 1 min
Post Run 70 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 7.87 min

Equilibration Time 0.25 min
C_x Temperature 325 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 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 3000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 3000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.5 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	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	0.2 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 300 °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	0.57353 mL/min

Column Information	Agilent 19091S-602
Description	HP-lms
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
In	Front SS Inlet He
Out	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	10 psi

Column Information	Agilent 19091S-913
Description	HP-lms
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: US2227M017

Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
34.899	:	REPELLER	
90.331	:	IONFOCUS	
27.717	:	ENTRANCE_LENS	
1057.682	:	EMVOLTS	
			1094.9 : Actual EMV
			1.00 : GAIN FACTOR
3306.000	:	AMUGAIN	
141.563	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
9.621	:	ENTLENSOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
507.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT 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
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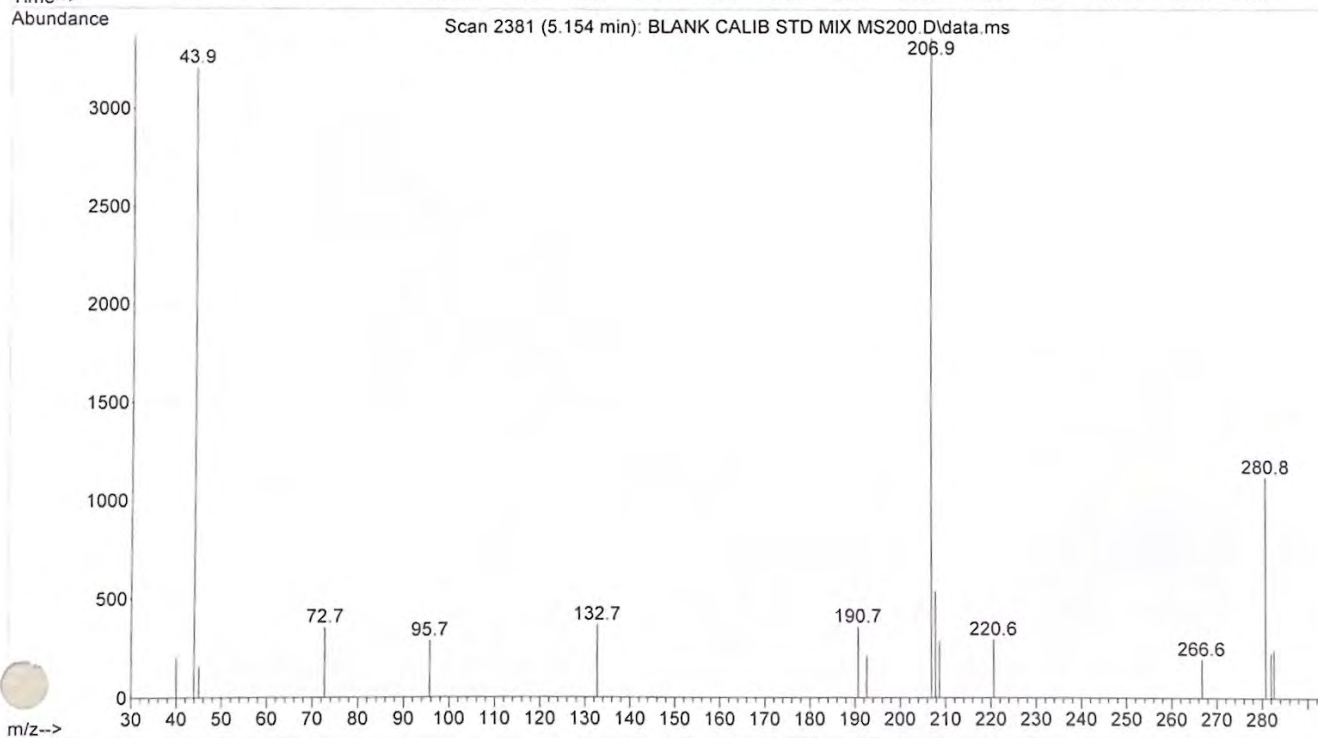
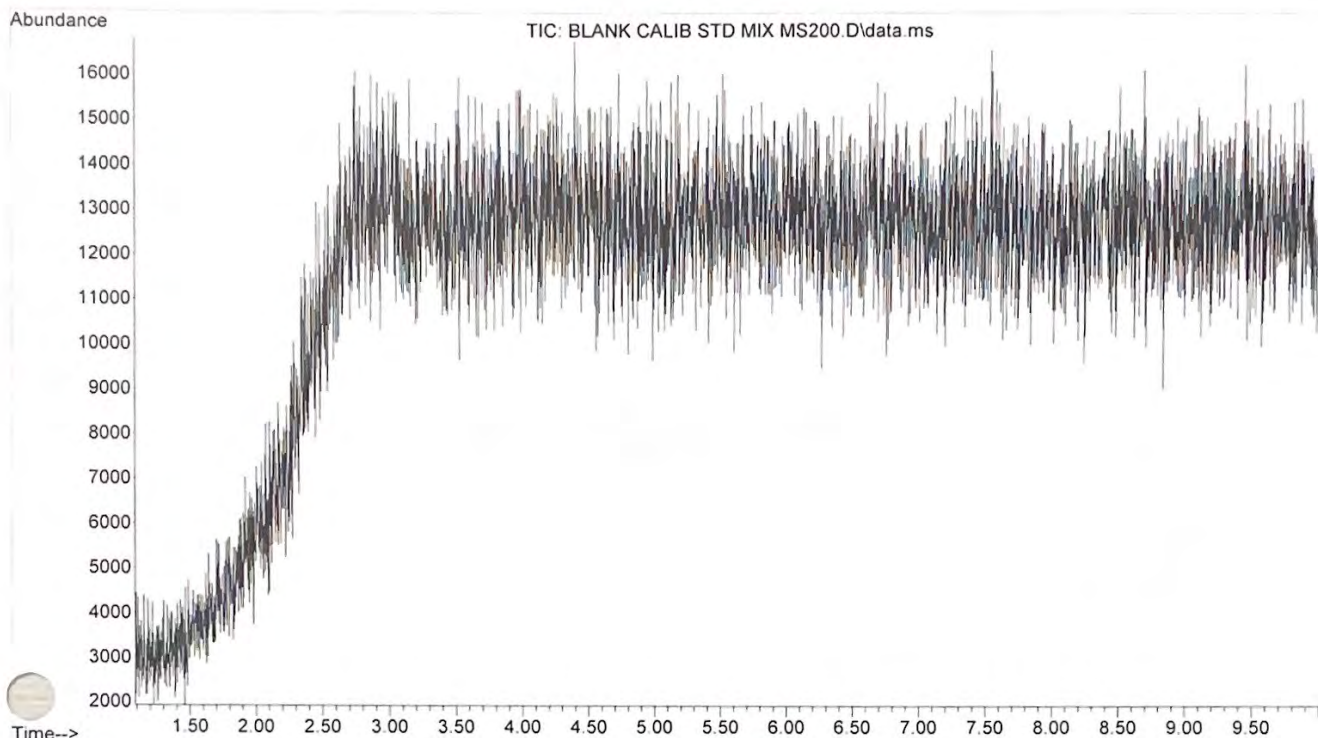
Real-Time Plots

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

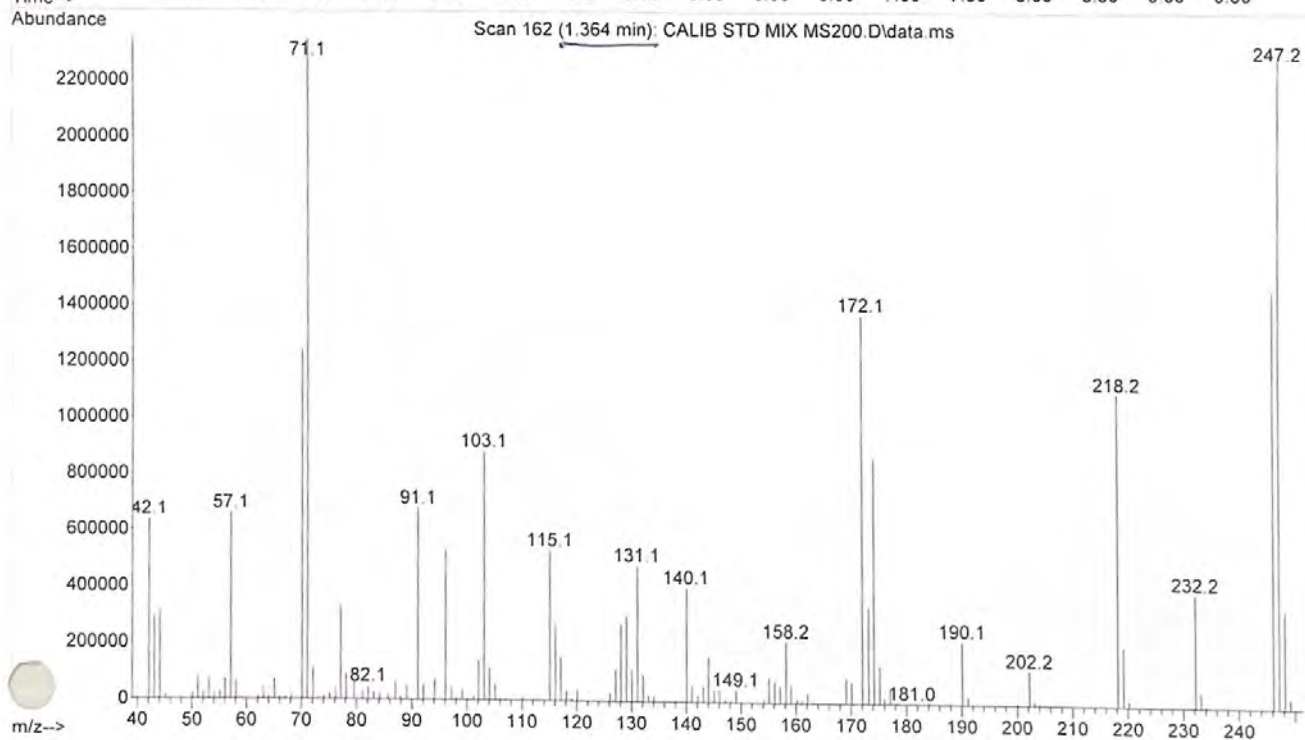
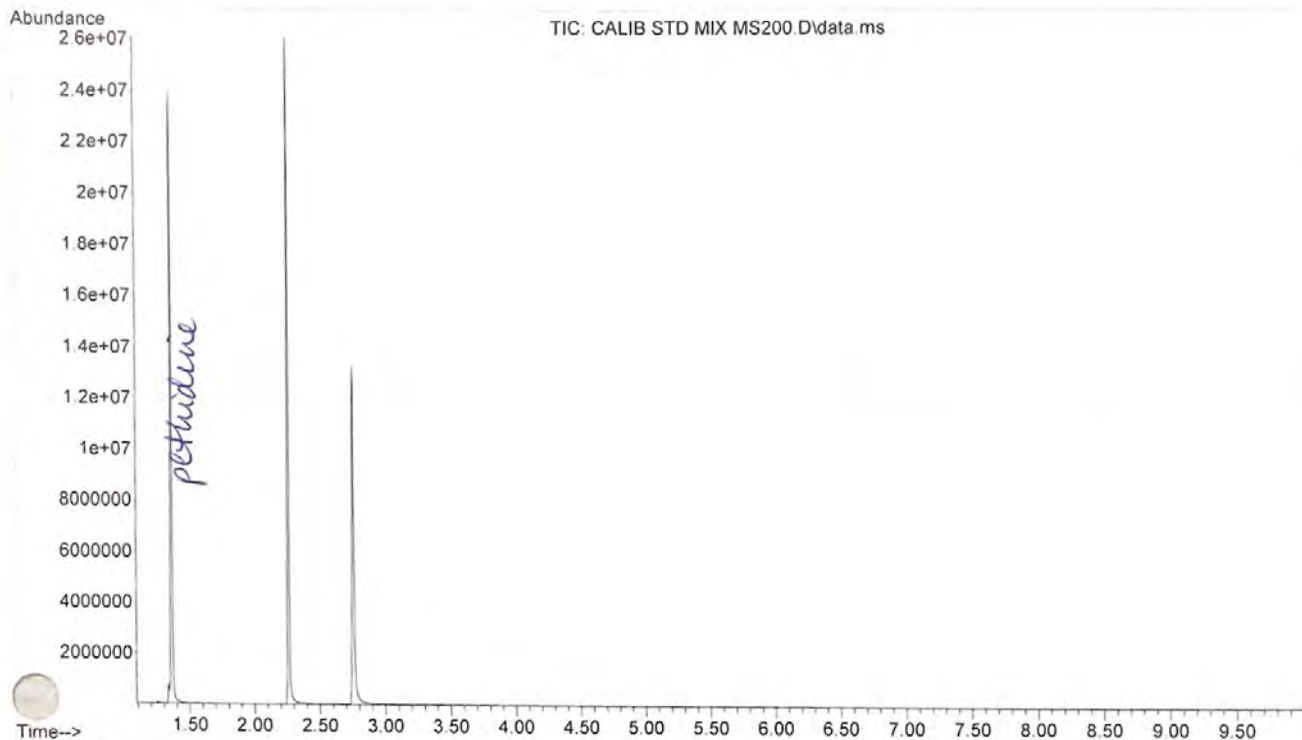
Self-Cleaning Ion Source Parameters

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

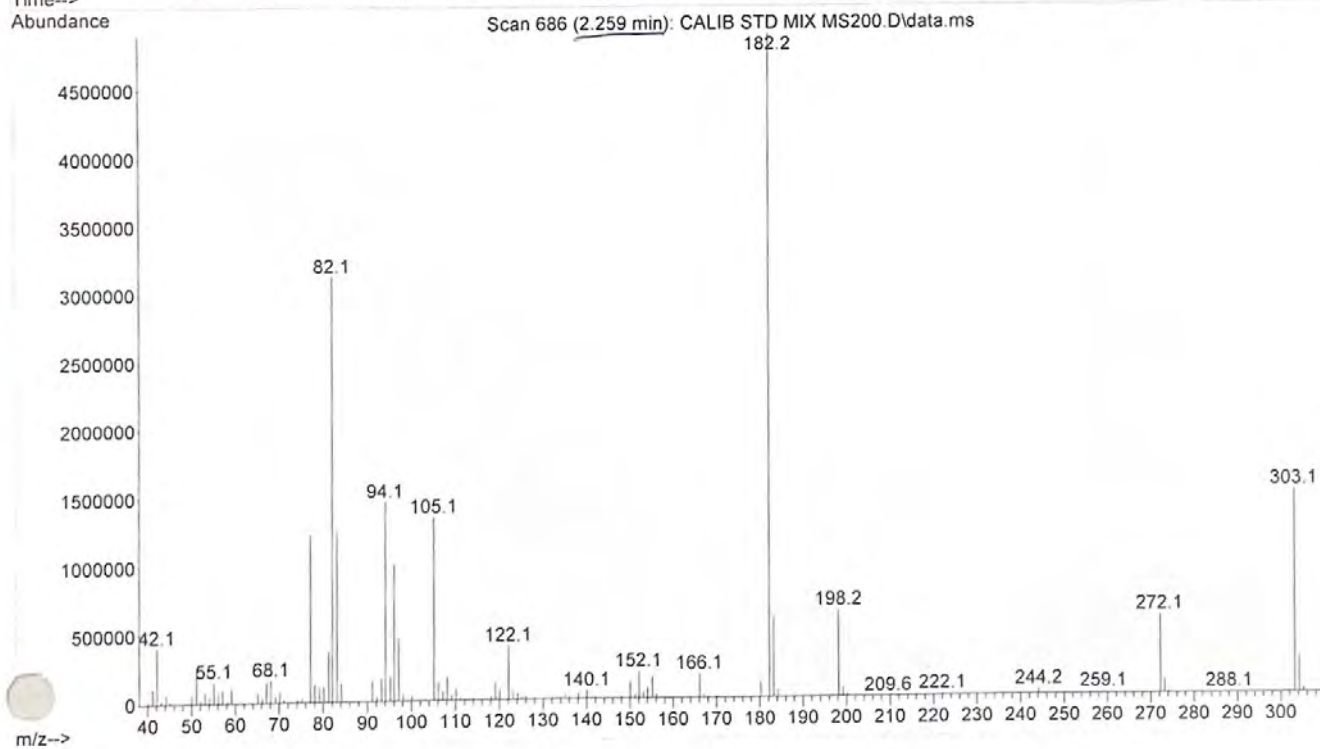
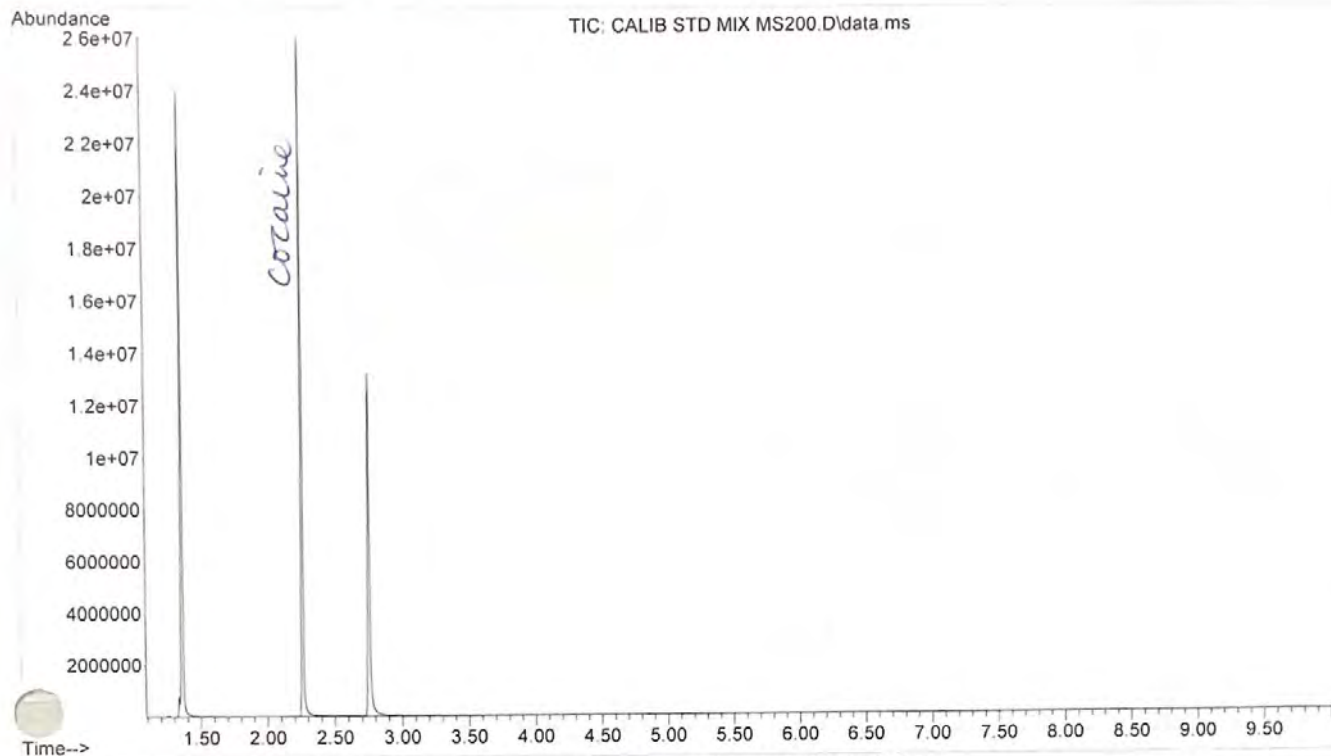
File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGS200\BLANK CA
... LIB STD MIX MS200.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 04 Nov 2022 09:28 using AcqMethod ASMSDRUGS200.M
Sample Name: BLANK FOR CALIBRATION STD MIX
Misc Info : MeOH



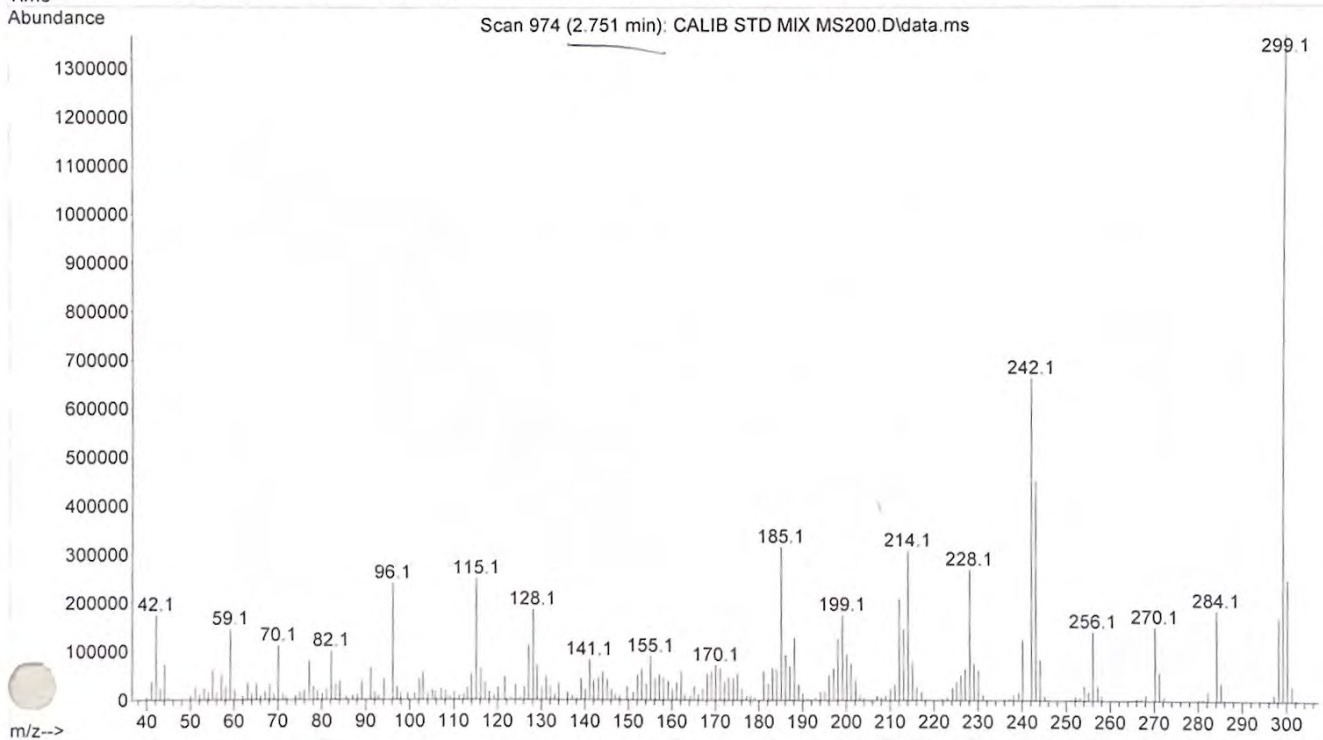
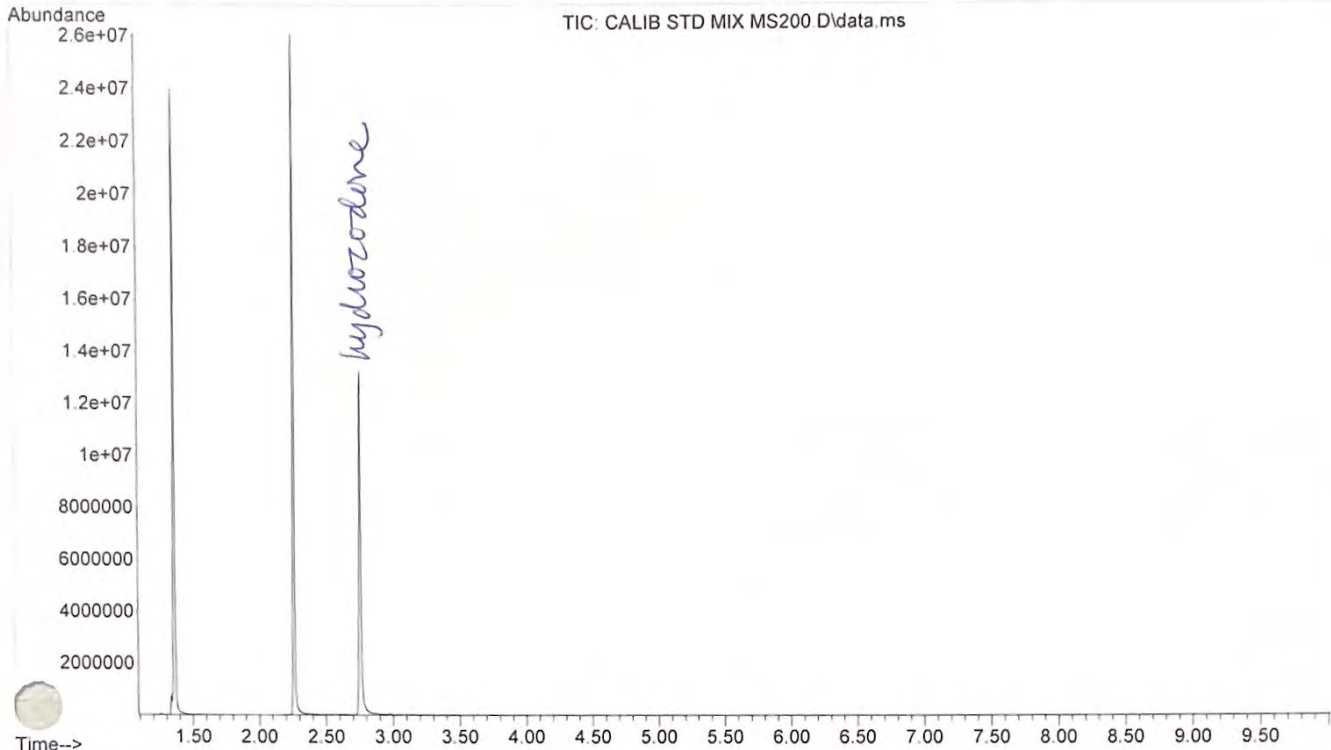
File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGS200\CALIB ST
... D MIX MS200.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 04 Nov 2022 09:40 using AcqMethod ASMSDRUGS200.M
Sample Name: CALIBRATION STANDARD MIX (ASMSDRUGS200)
Misc Info : PETHIDINE / COCAINE / HYDROCODONE



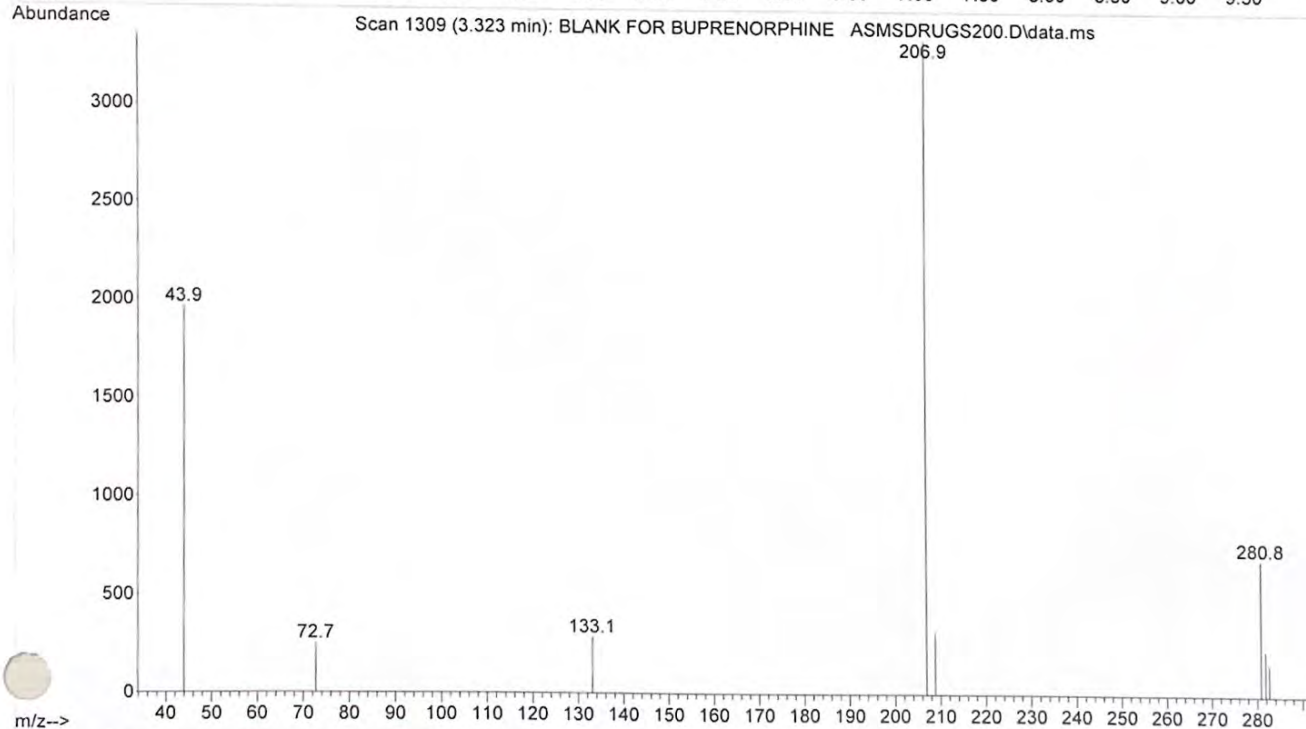
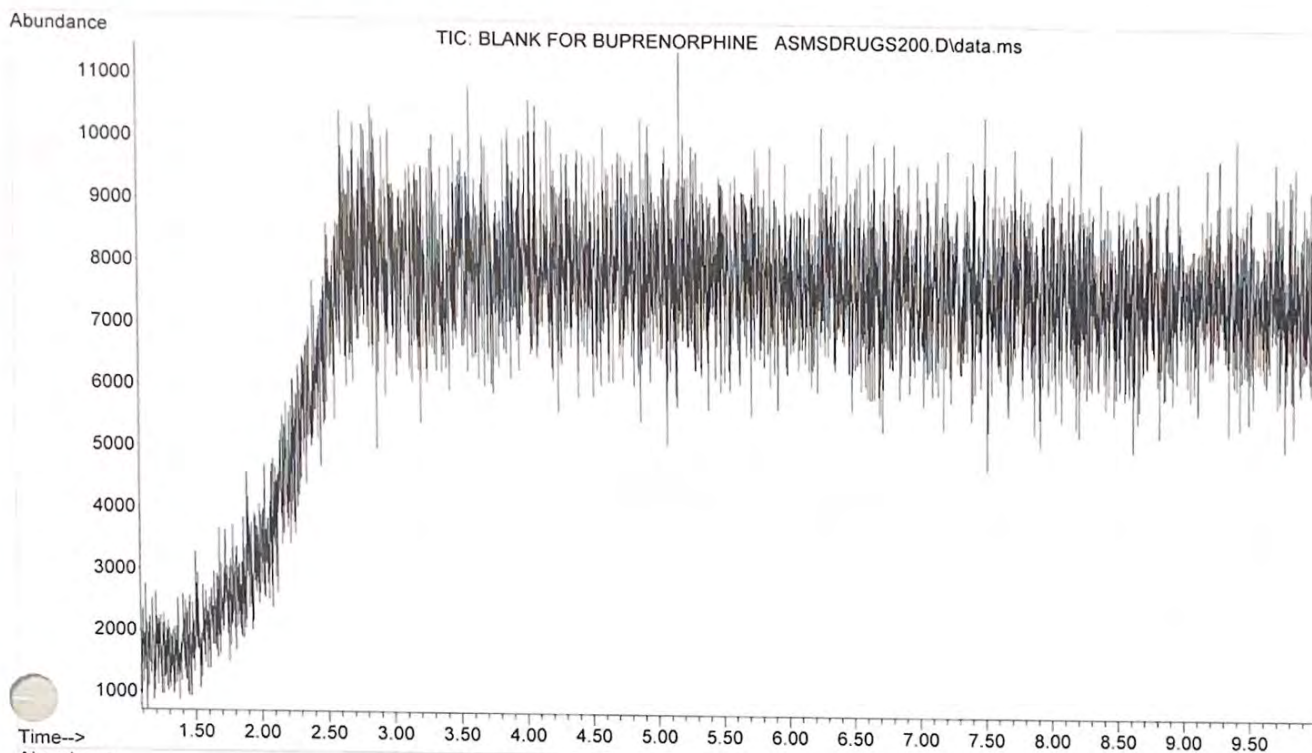
File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGS200\CALIB ST
... D MIX MS200.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 04 Nov 2022 09:40 using AcqMethod ASMSDRUGS200.M
Sample Name: CALIBRATION STANDARD MIX (ASMSDRUGS200)
Misc Info : PETHIDINE / COCAINE / HYDROCODONE



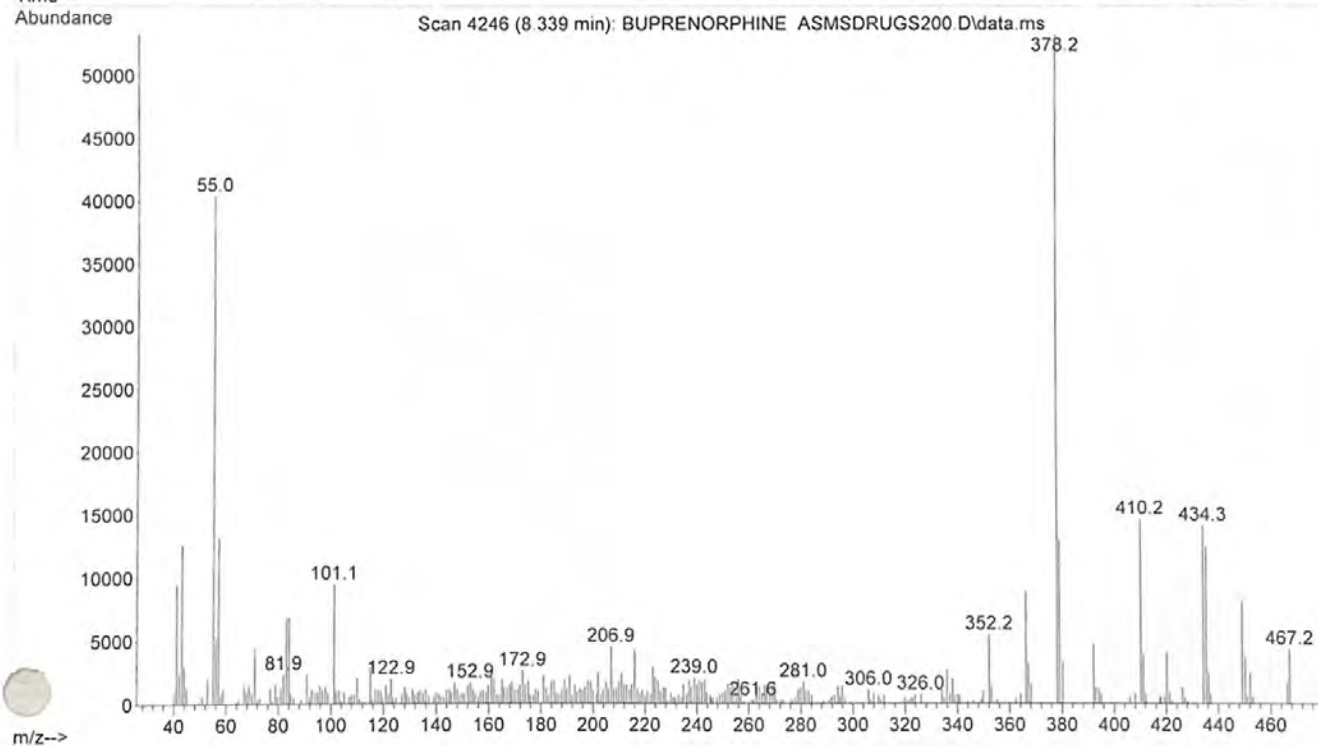
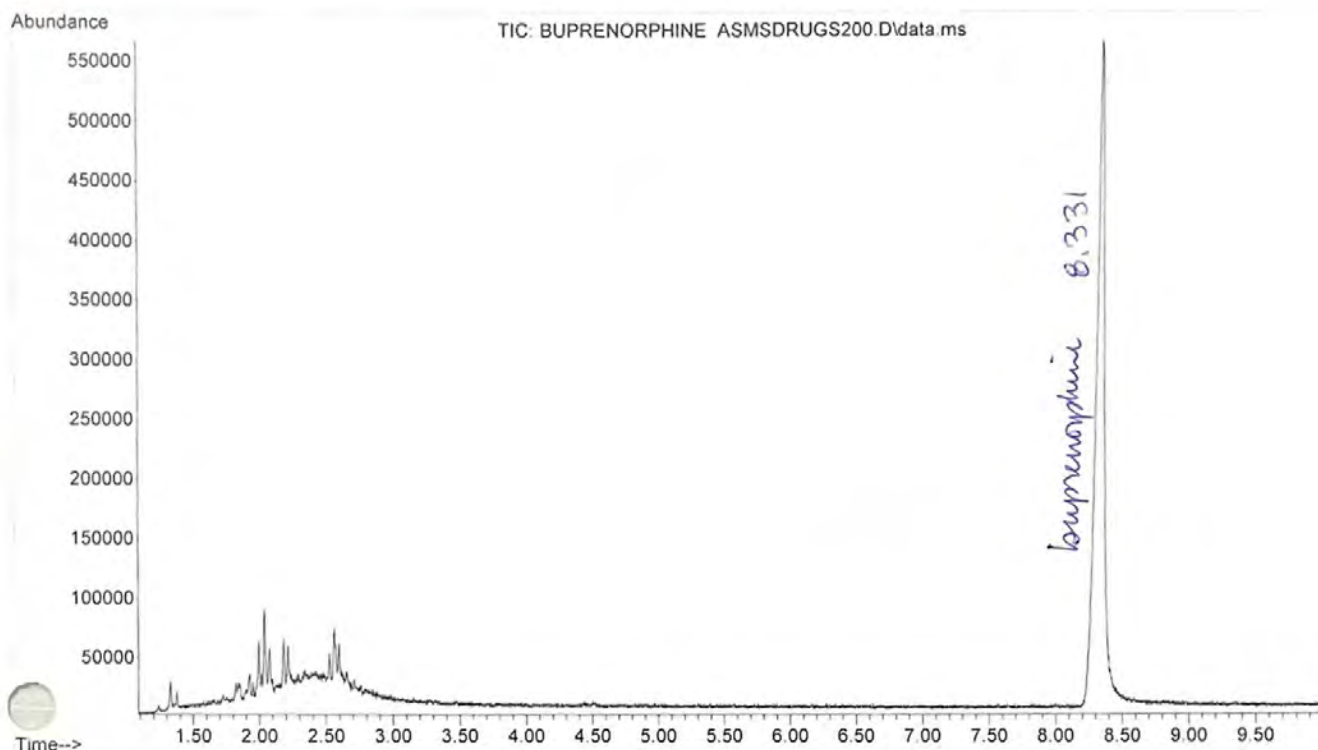
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... D MIX MS200.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 04 Nov 2022 09:40 using AcqMethod ASMSDRUGS200.M
Sample Name: CALIBRATION STANDARD MIX (ASMSDRUGS200)
Misc Info : PETHIDINE / COCAINE / HYDROCODONE



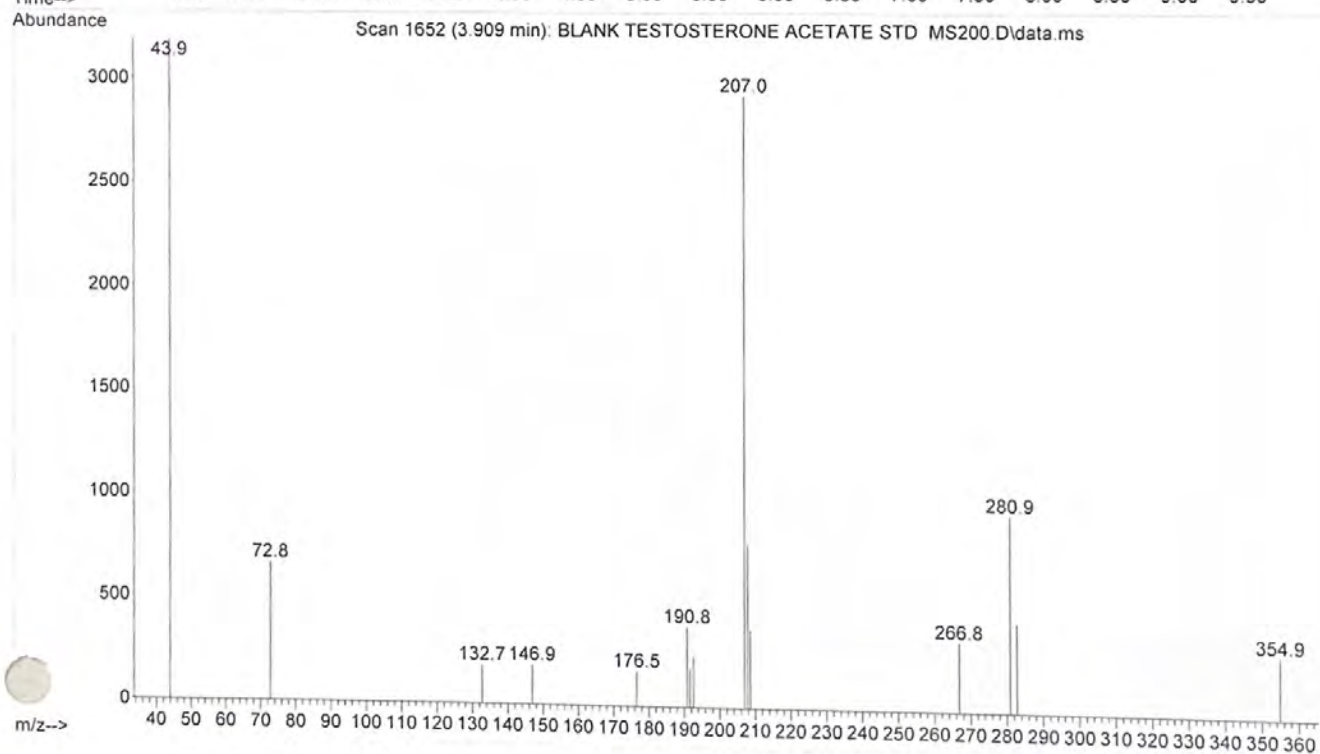
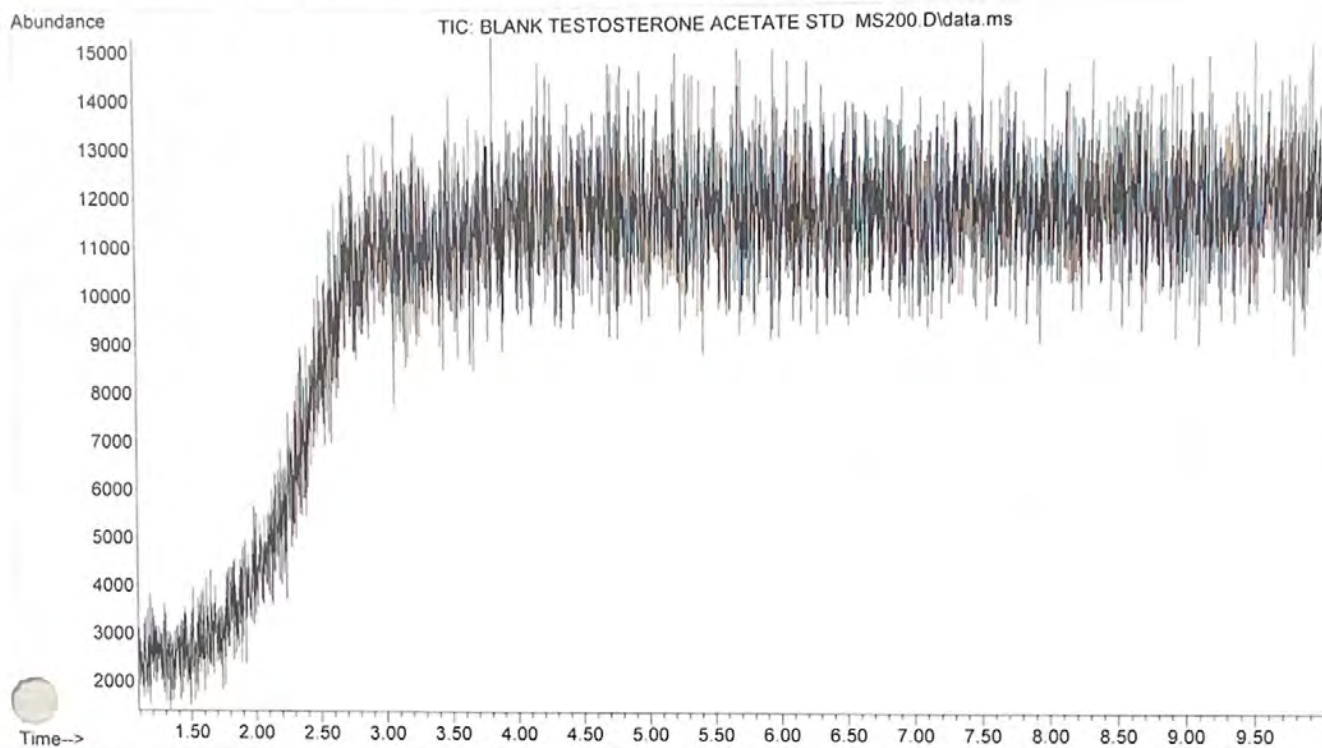
File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGS200\BLANK FO
... R BUPRENORPHINE ASMSDRUGS200.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 08 Nov 2022 11:25 using AcqMethod ASMSDRUGS200.M
Sample Name: BLANK FOR BUPRENORPHINE ASMSDRUGS200
Misc Info : MeOH



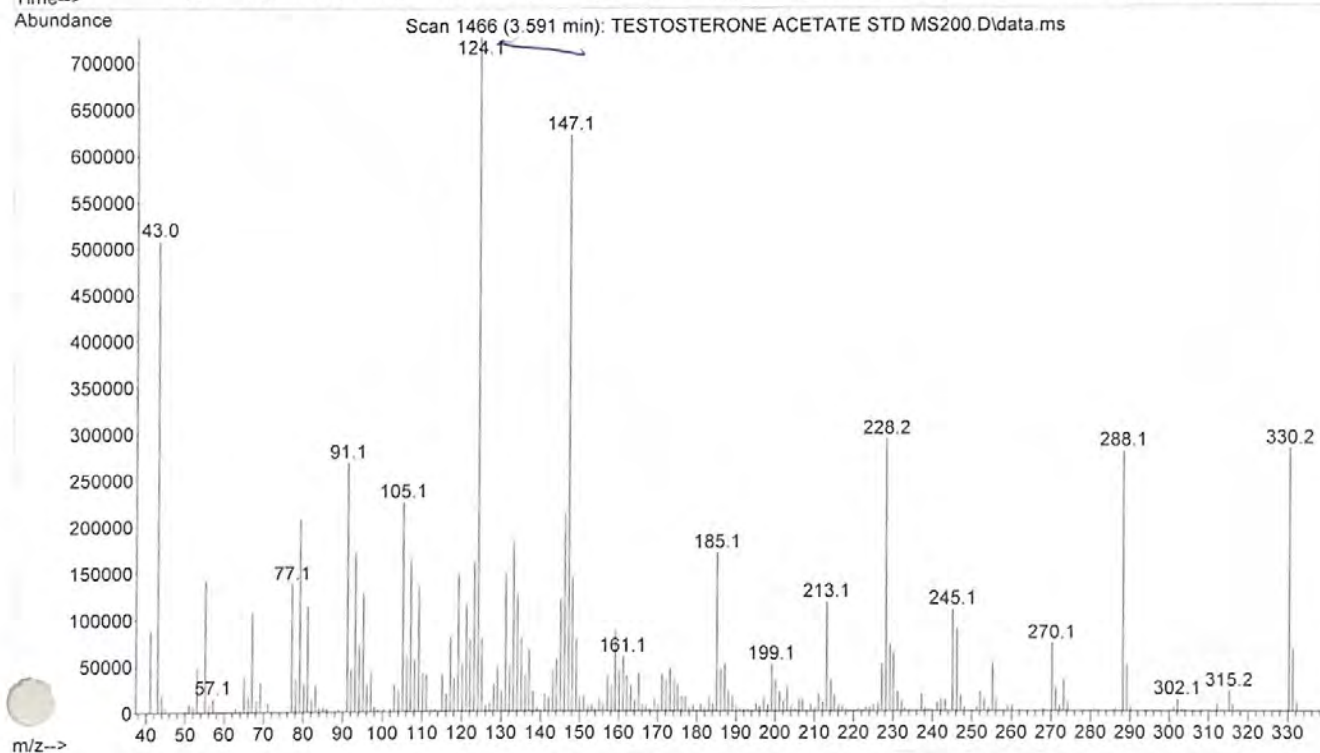
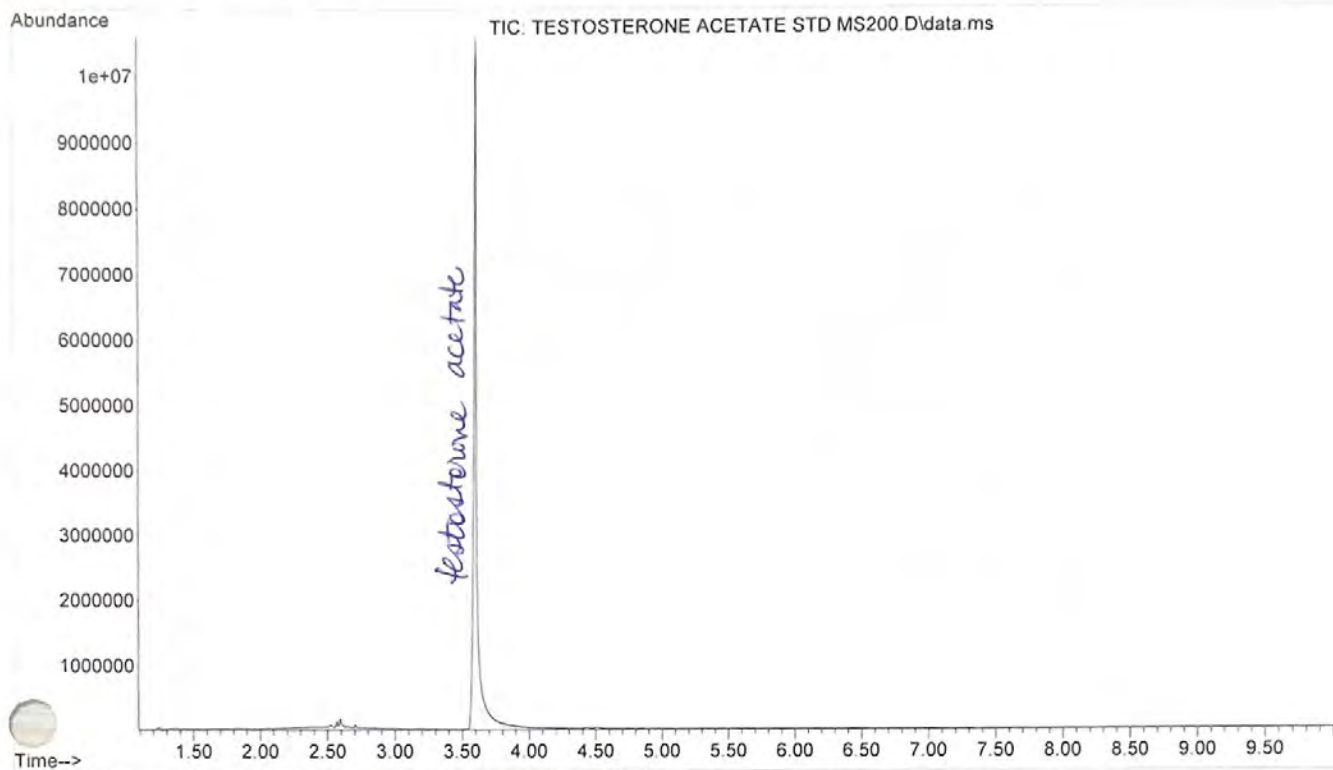
File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGS200\BUPRENOR
... PHINE ASMSDRUGS200.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 08 Nov 2022 11:37 using AcqMethod ASMSDRUGS200.M
Sample Name: BUPRENORPHINE ASMSDRUGS200
Misc Info : MeOH



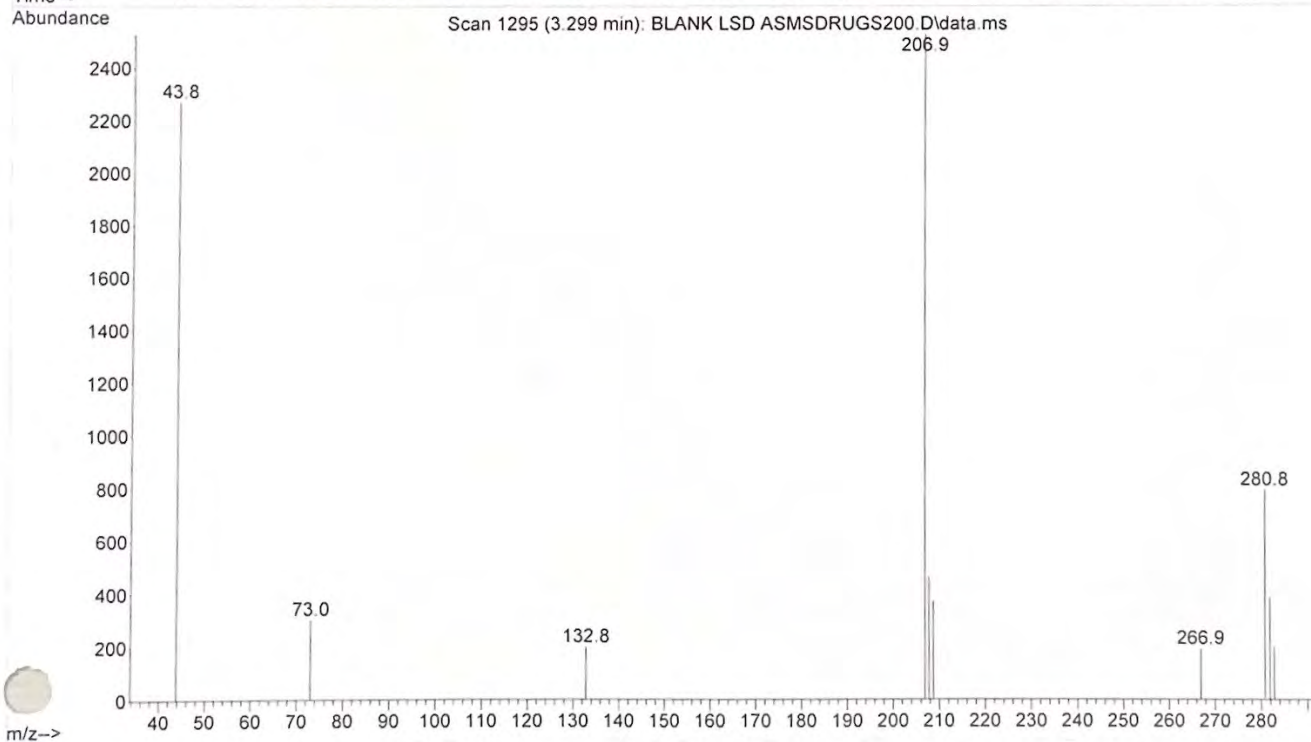
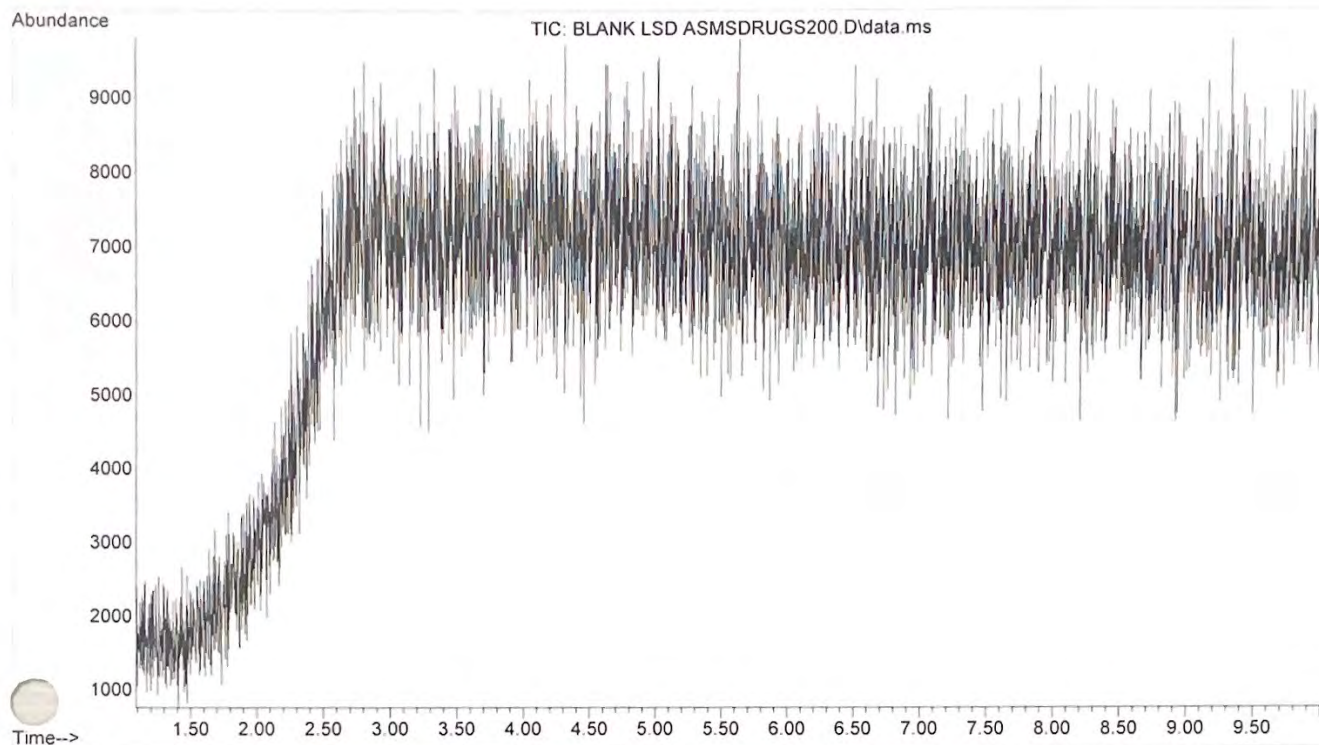
File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGS200\BLANK TE
... STOSTERONE ACETATE STD MS200.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 04 Nov 2022 12:21 using AcqMethod ASMSDRUGS200.M
Sample Name: BLANK FOR TESTOSTERONE ACETATE STD
Misc Info : 0.5N NaOH --> CHCl3



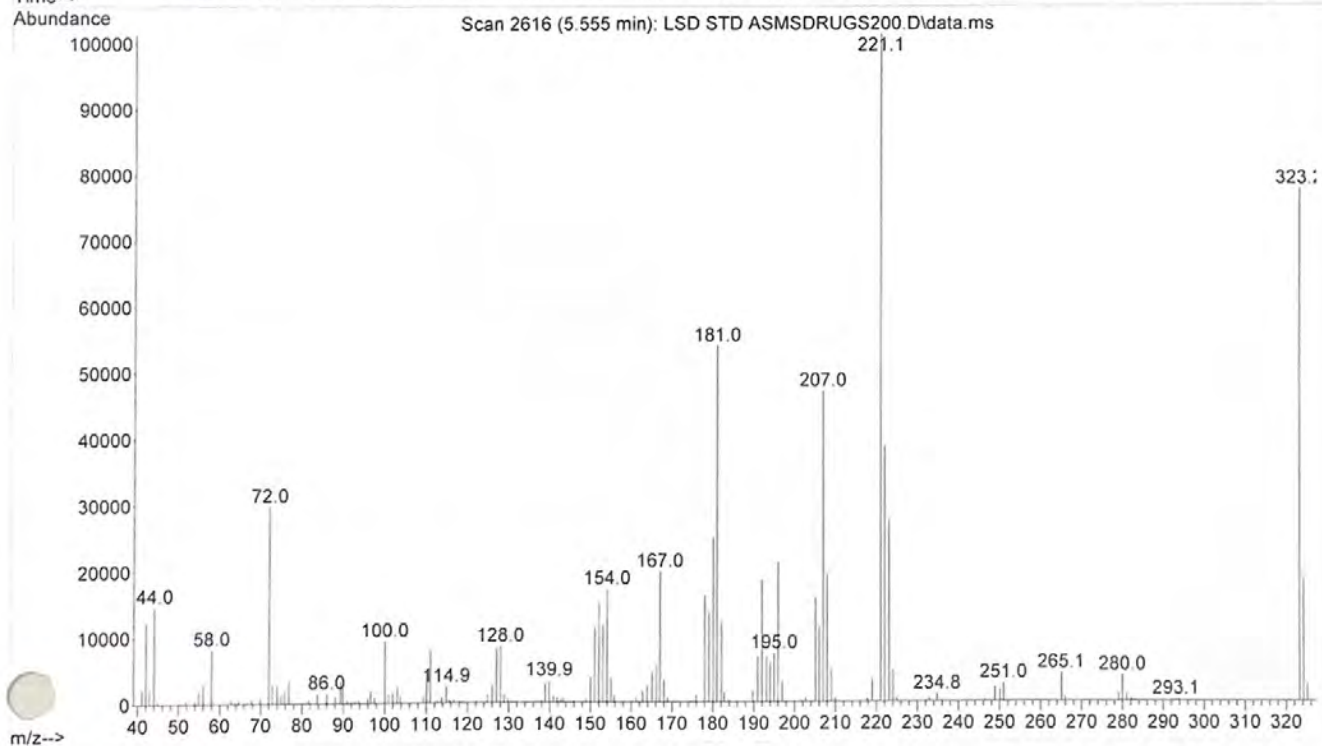
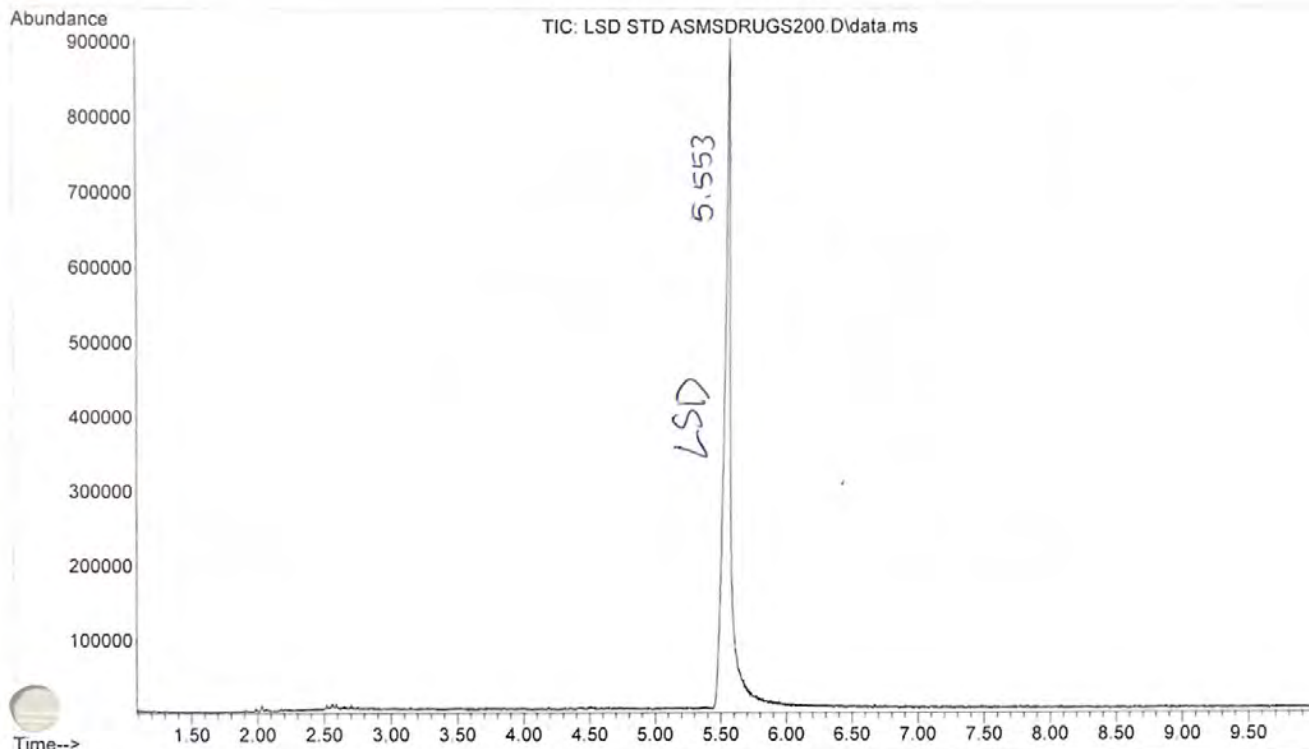
File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGS200\TESTOSTE
... RONE ACETATE STD MS200.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 04 Nov 2022 12:33 using AcqMethod ASMSDRUGS200.M
Sample Name: TESTOSTERONE ACETATE STD (ASMSDRUGS200)
Misc Info : 0.5N NaOH --> CHCl3



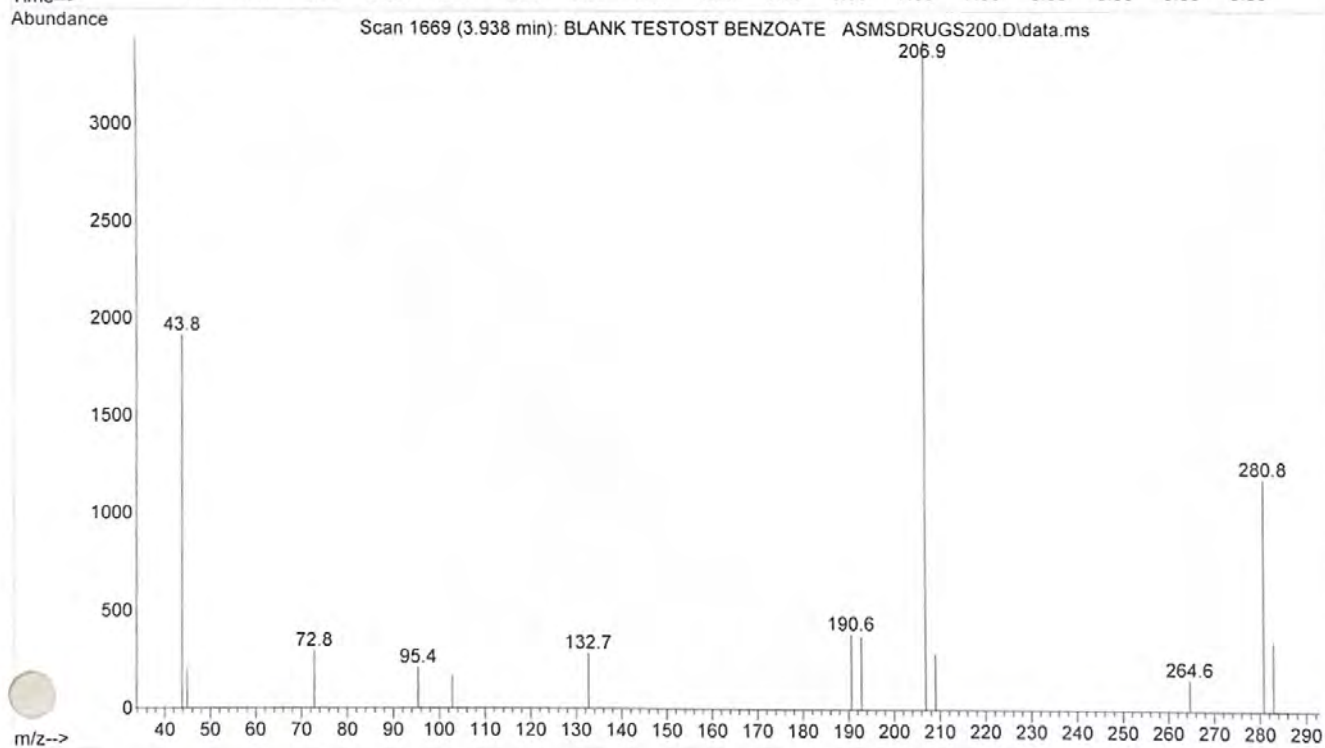
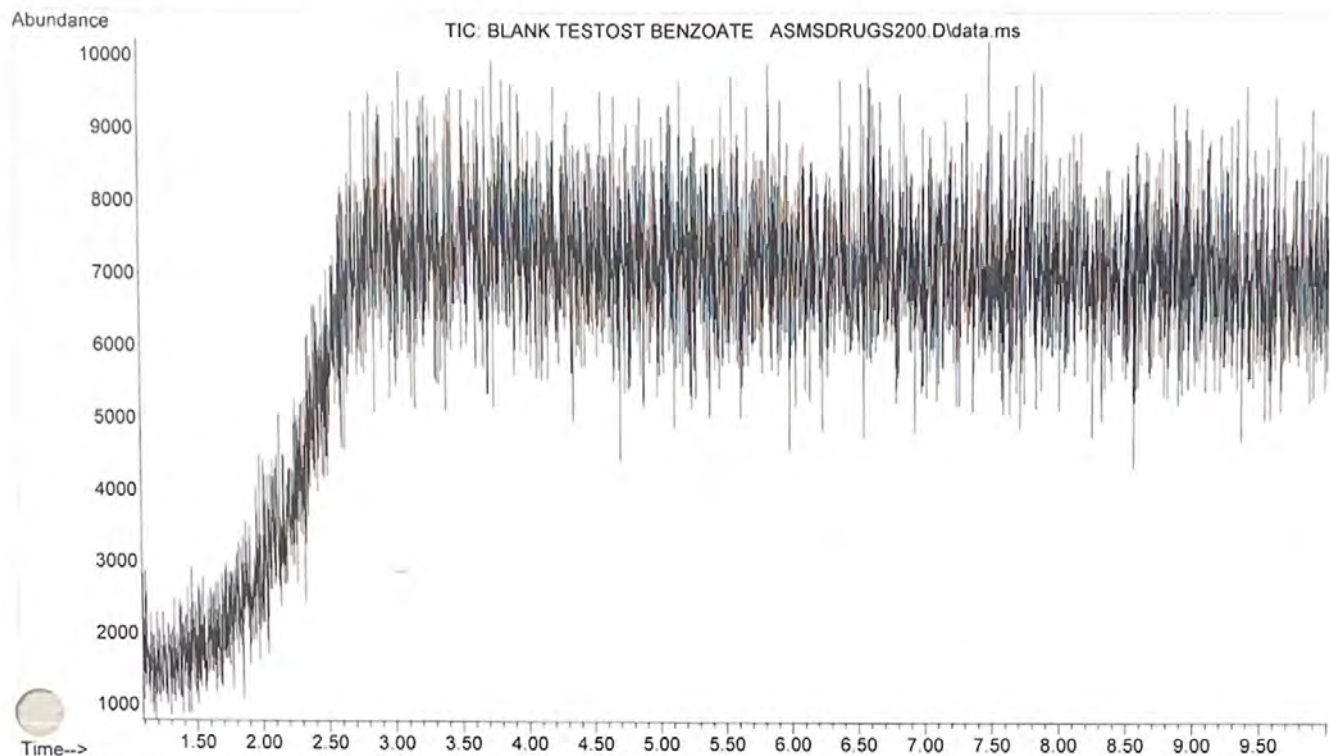
File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGSTI\BLANK LSD
... ASMSDRUGS200.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 07 Nov 2022 19:50 using AcqMethod ASMSDRUGS200.M
Sample Name: BLANK FOR LSD MSDRUGS200
Misc Info : MeOH



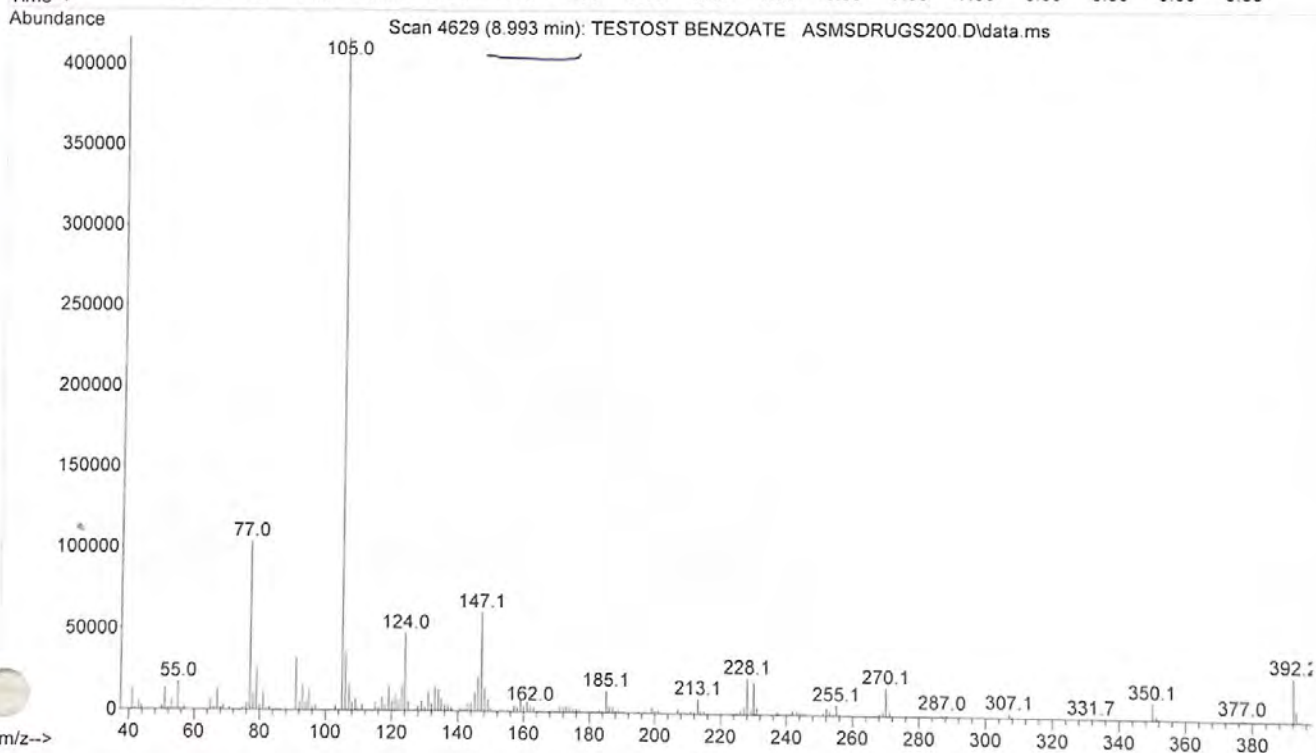
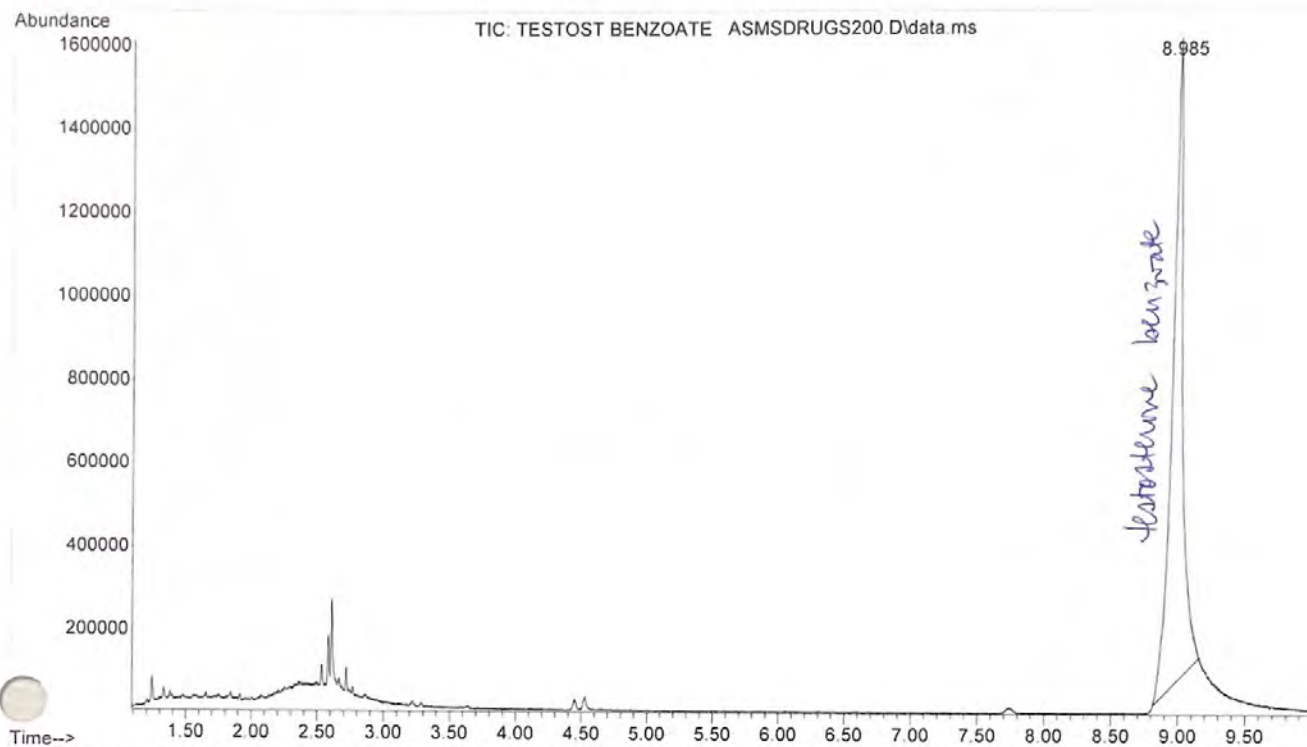
File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGSTI\LSD STD A
... SMSDRUGS200.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 07 Nov 2022 20:02 using AcqMethod ASMSDRUGS200.M
Sample Name: LSD SMSDRUGS200
Misc Info : MEOH



File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGS200\BLANK TE
... STOST BENZOATE ASMSDRUGS200.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 08 Nov 2022 10:48 using AcqMethod ASMSDRUGS200.M
Sample Name: BLANK FOR TESTOST BENZOATE ASMSDRUGS200
Misc Info : MeOH



File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGS200\TESTOST
... BENZOATE ASMSDRUGS200.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 08 Nov 2022 11:01 using AcqMethod ASMSDRUGS200.M
Sample Name: TESTOSTERONE BENZOATE (ASMSDRUGS200)
Misc Info : MeOH



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

INSTRUMENT CONTROL PARAMETERS: Alma

D:\MassHunter\GCMS\1\methods\ASMSDRUGS60.M
Tue Nov 29 12:01:12 2022

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 10.013 min
Post Run Time 0 min

Oven
Temperature
Setpoint On
(Initial) 60 °C
Hold Time 1 min
Post Run 70 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 5.87 min

Equilibration Time 0.25 min
Temperature 325 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 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 3000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 3000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.5 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 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 0.2 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 6.5 psi
On 45.625 mL/min
On 3 mL/min
Off
On 20 mL/min after 3 min
50 :1
41.789 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 8.5 psi
On 171.05 mL/min
On 3 mL/min
Off
Off
50 :1
164.76 mL/min
A Liner has not been selected.

Column
Column #1
Flow
Setpoint
(Initial)
Post Run

On
0.83578 mL/min
0.57353 mL/min

Column Information	Agilent 19091S-602
Description	HP-lms
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
In	Front SS Inlet He
Out	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	
Setpoint	On
(Initial)	8.5 psi
Post Run	10 psi

Column Information	Agilent 19091S-913
Description	HP-lms
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: US2227M017

Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
34.899	:	REPELLER	
90.331	:	IONFOCUS	
27.717	:	ENTRANCE_LENS	
1057.682	:	EMVOLTS	
			1094.9 : Actual EMV
			1.00 : GAIN FACTOR
3306.000	:	AMUGAIN	
141.563	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
9.621	:	ENTLENSOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
507.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT 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
------	---------------	-----------

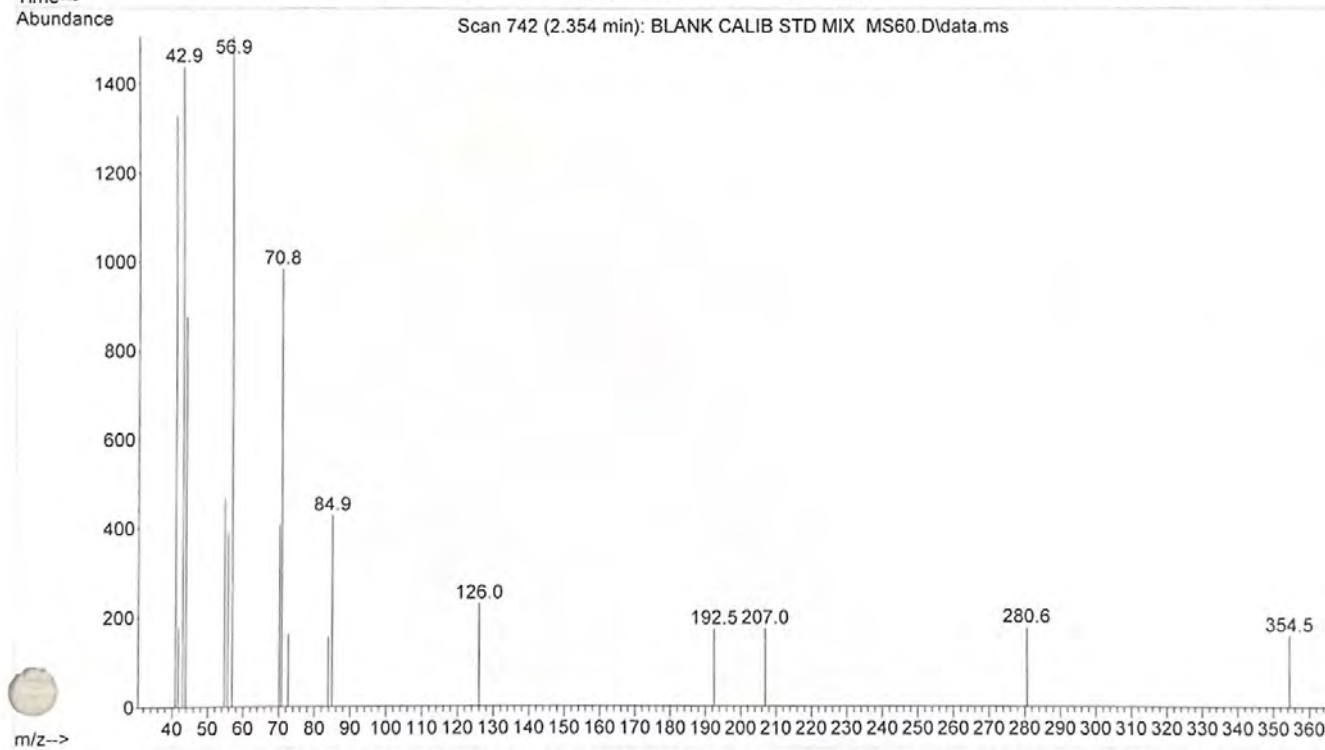
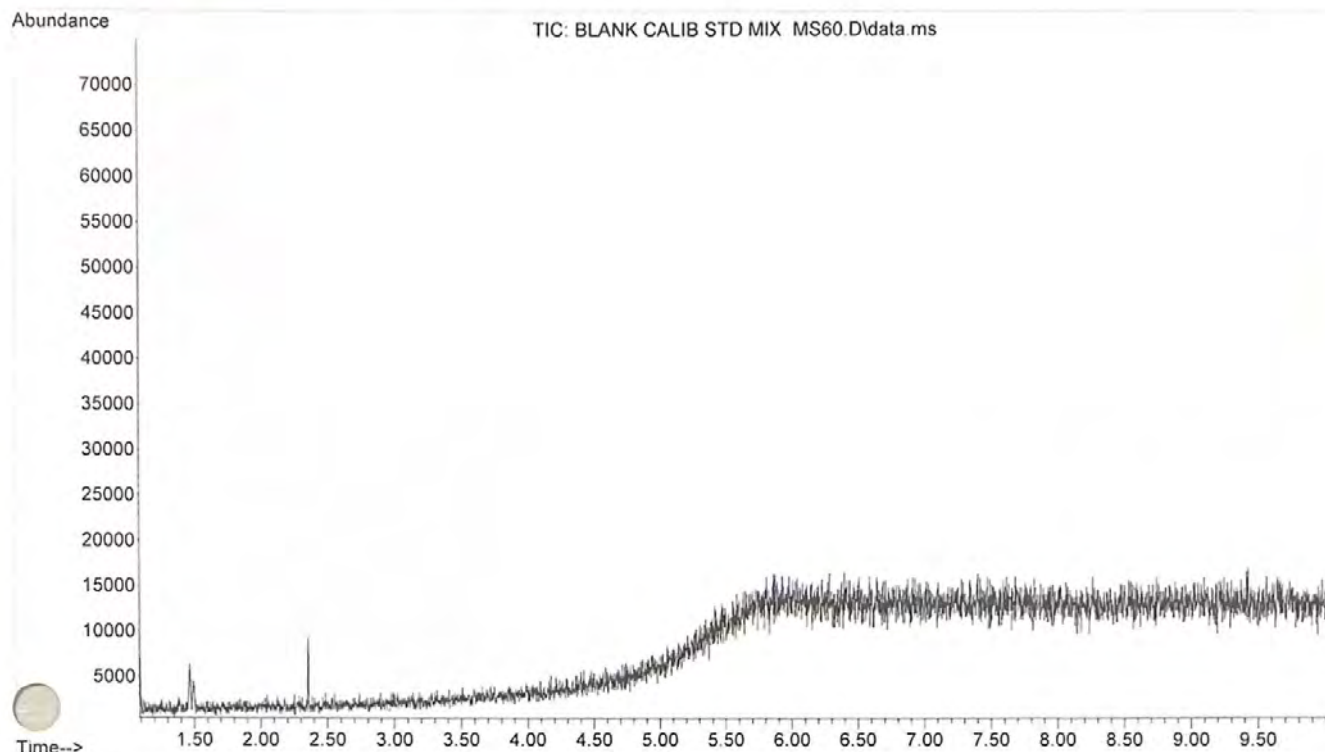
Real-Time Plots

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	50	550

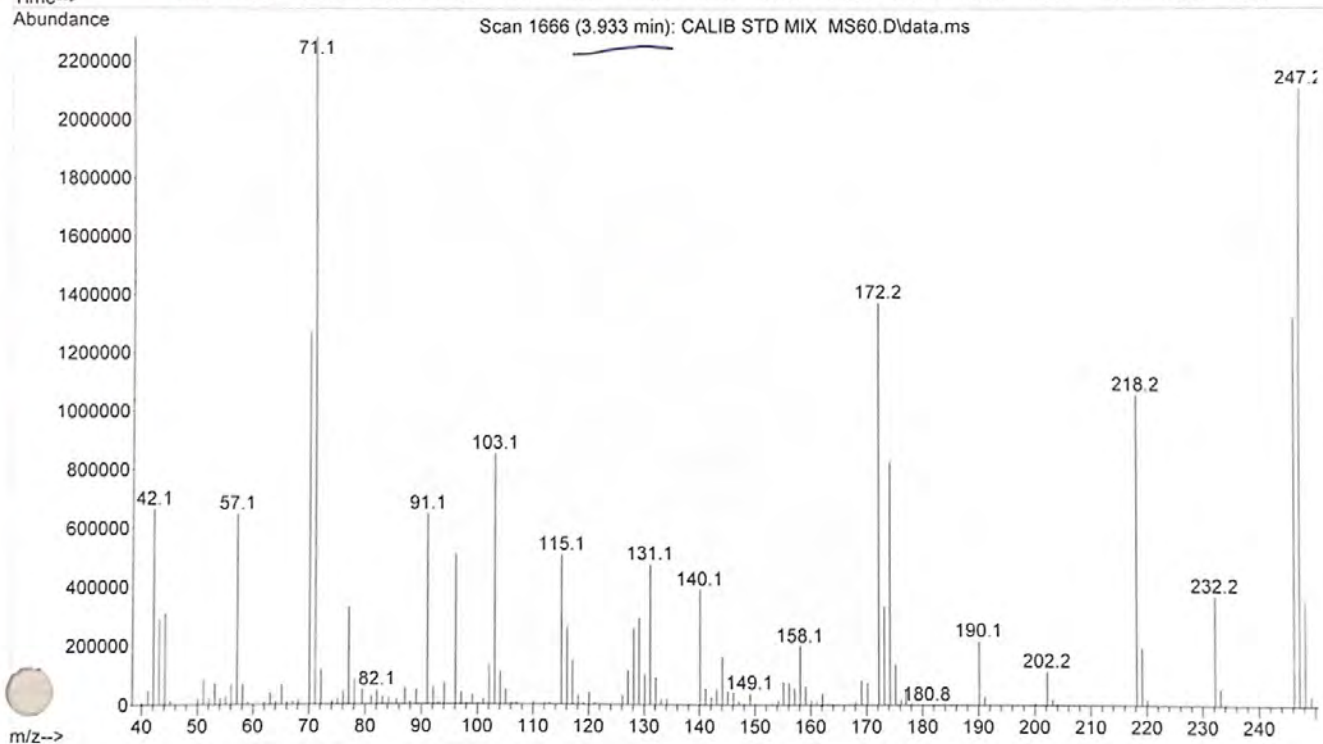
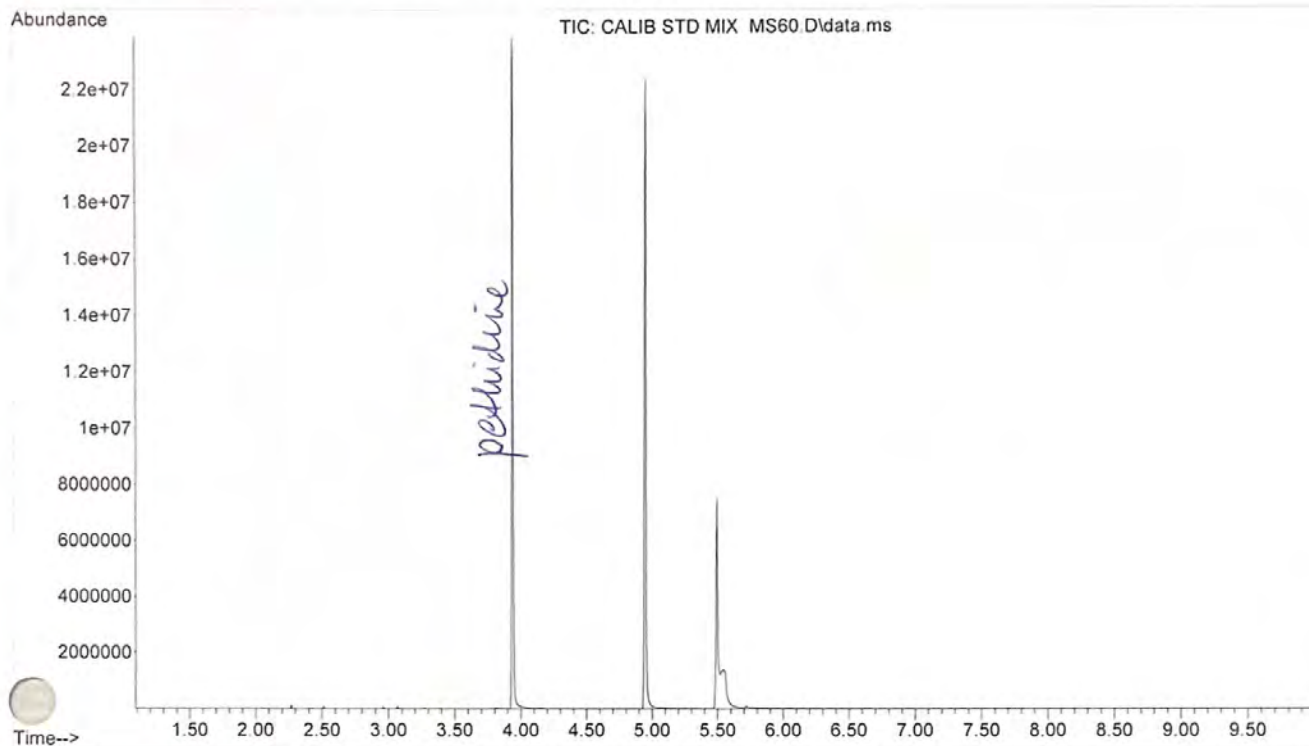
Self-Cleaning Ion Source Parameters

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

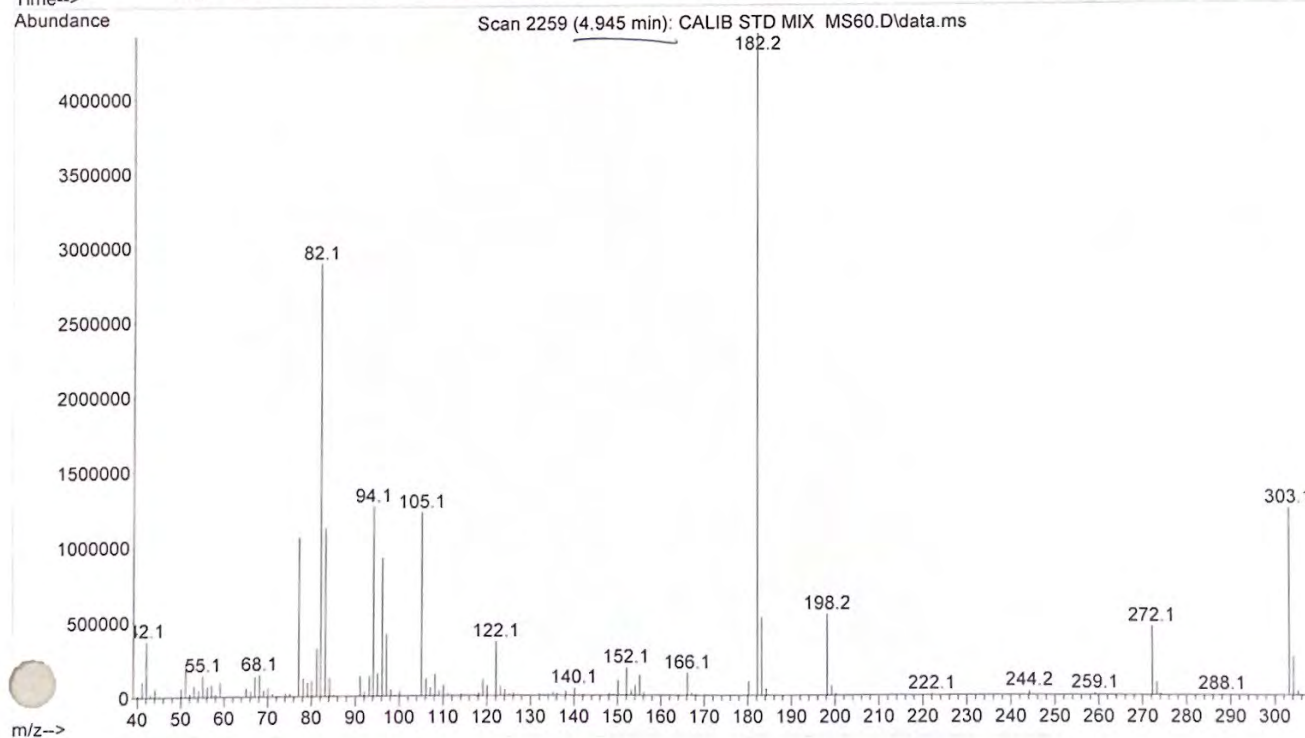
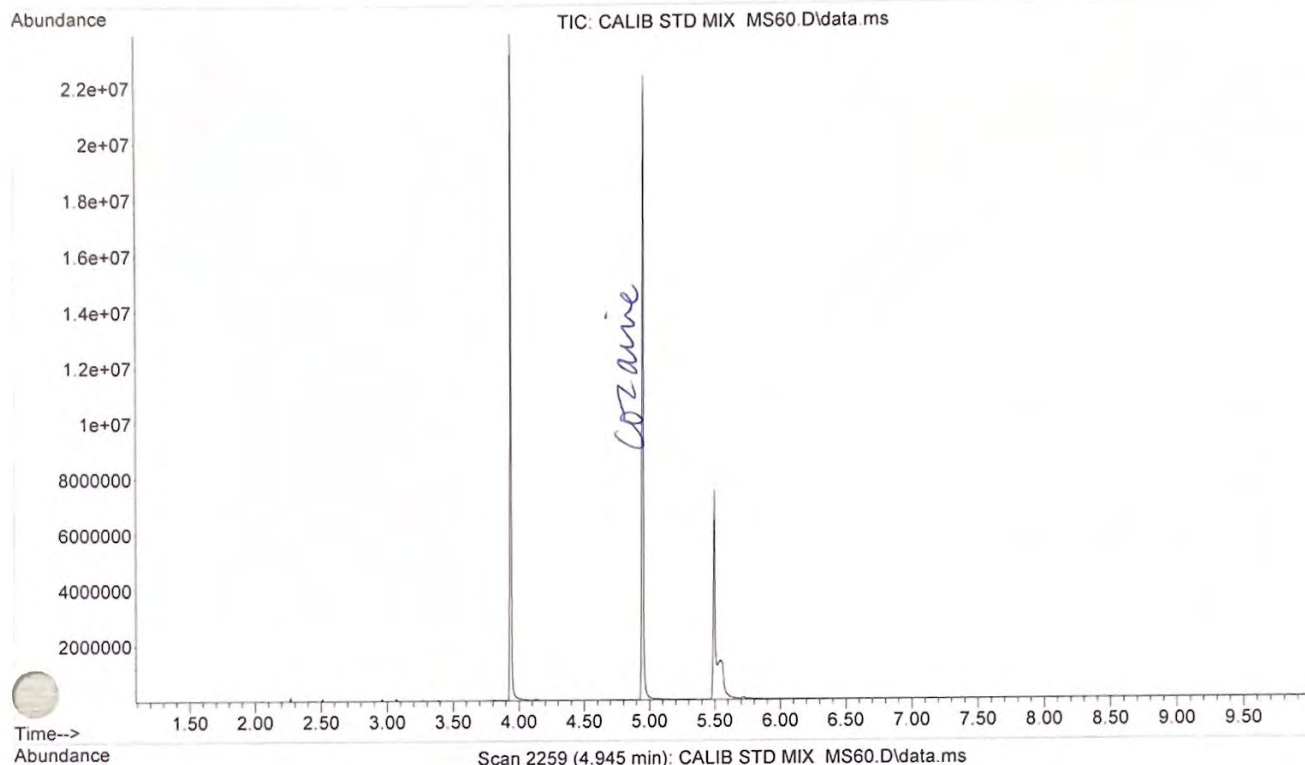
File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGS60\BLANK CAL
... IB STD MIX MS60.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 04 Nov 2022 10:23 using AcqMethod ASMSDRUGS60.M
Sample Name: BLANK FOR CALIBRATION STD MIX
Misc Info : MeOH



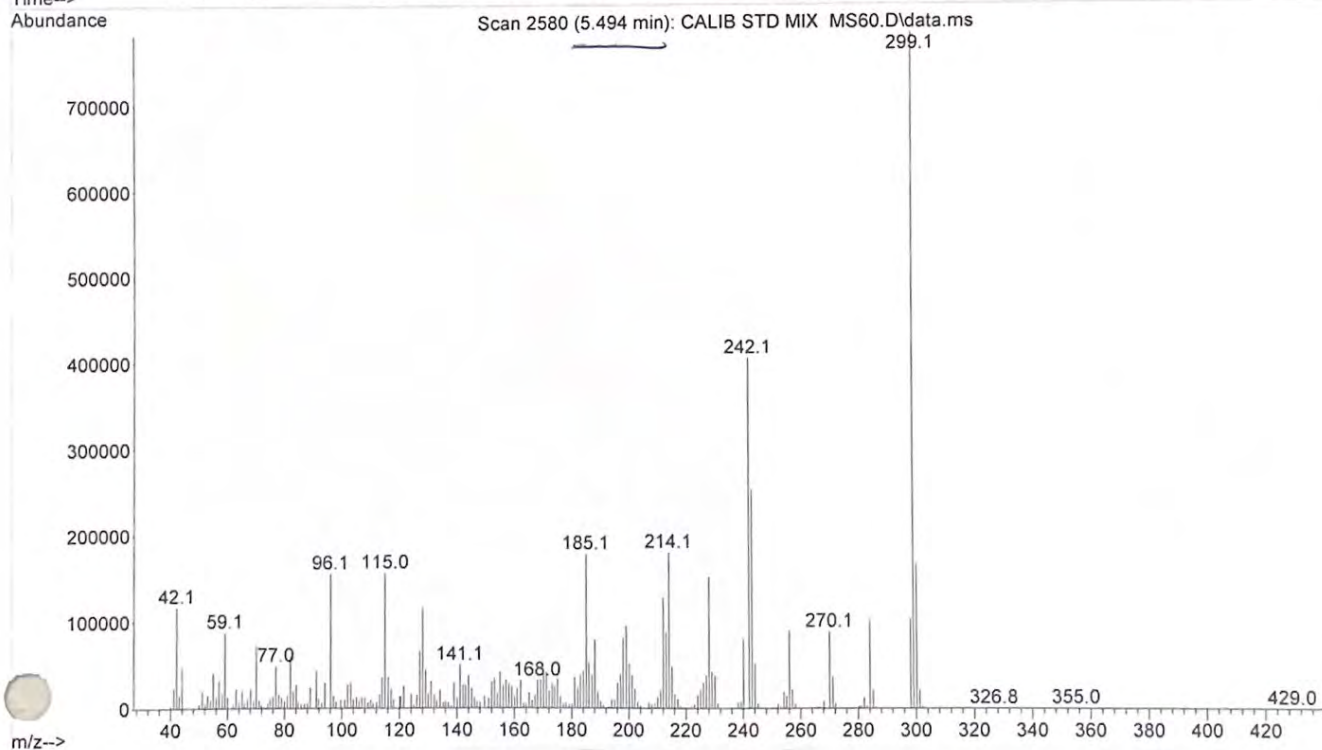
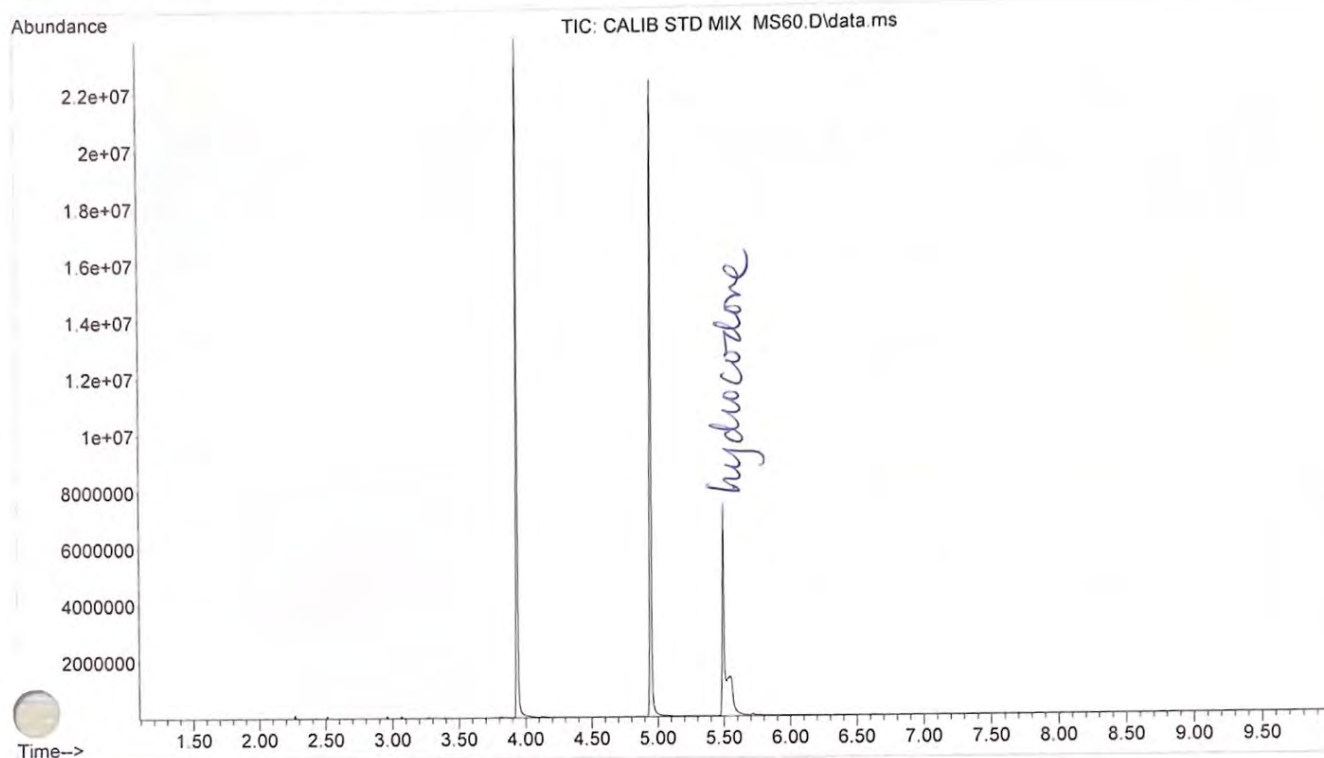
File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGS60\CALIB STD
... MIX MS60.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 04 Nov 2022 10:37 using AcqMethod ASMSDRUGS60.M
Sample Name: CALIBRATION STANDARD MIX (ASMSDRUGS60)
Misc Info : PETHIDINE / COCAINE / HYDROCODONE



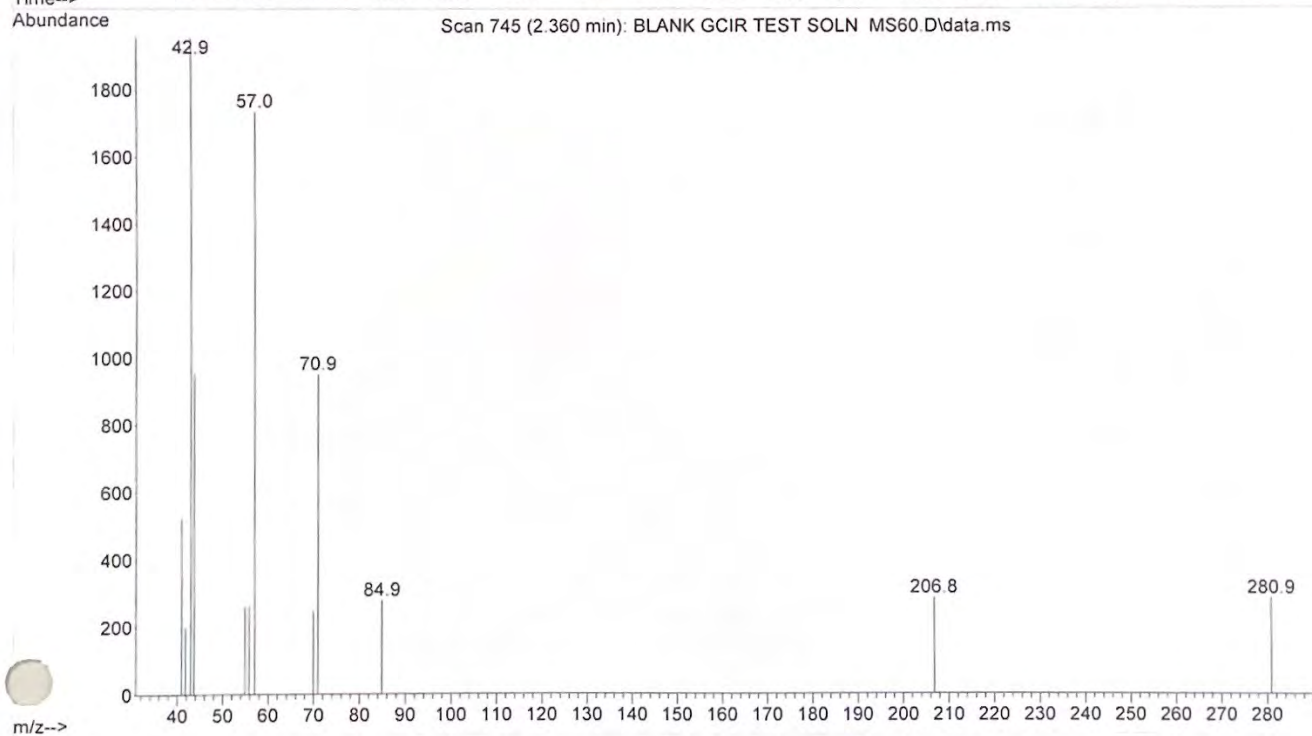
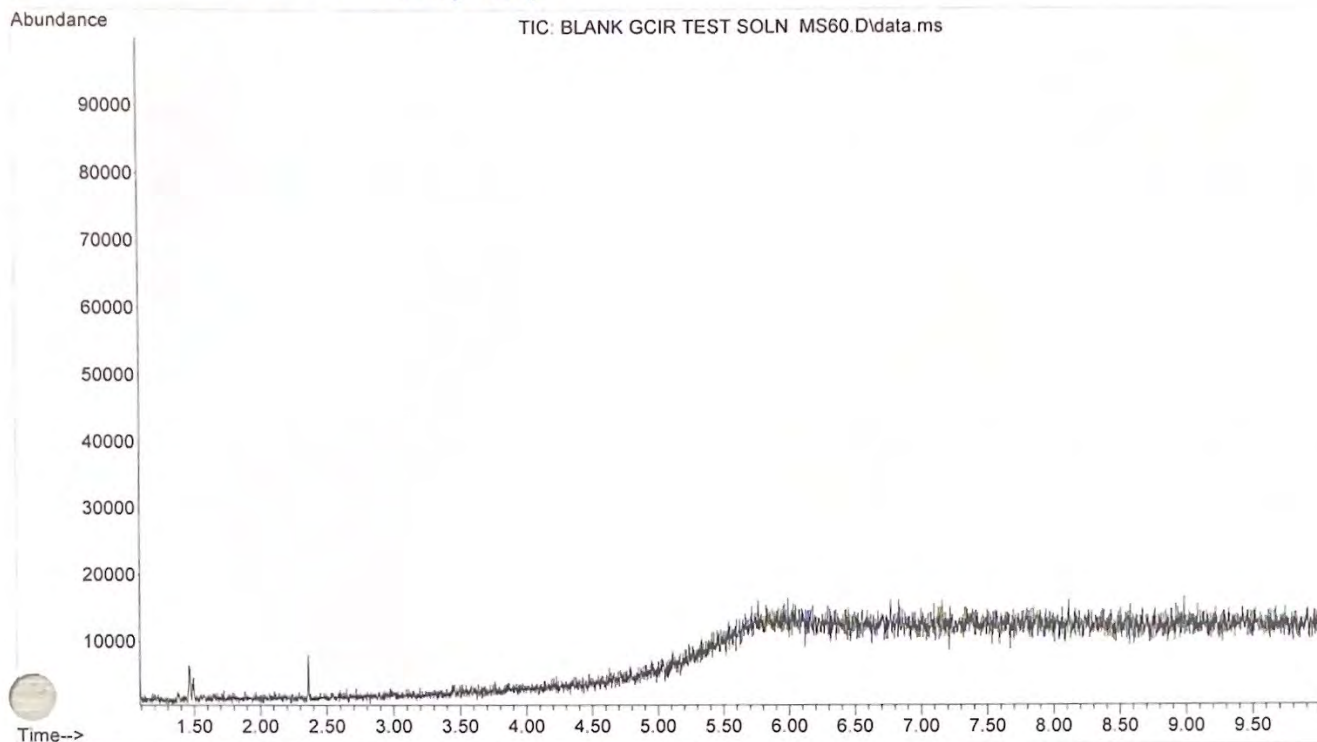
File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGS60\CALIB STD
... MIX MS60.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 04 Nov 2022 10:37 using AcqMethod ASMSDRUGS60.M
Sample Name: CALIBRATION STANDARD MIX (ASMSDRUGS60)
Misc Info : PETHIDINE / COCAINE / HYDROCODONE



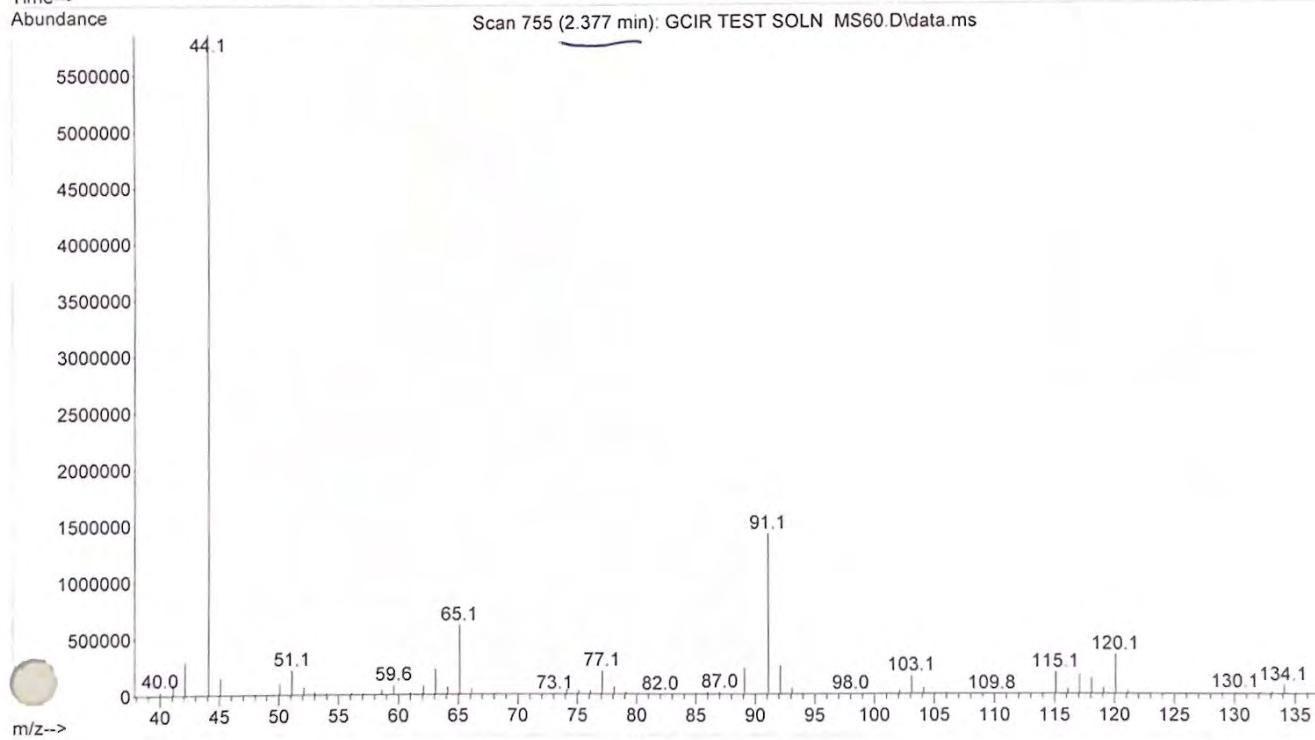
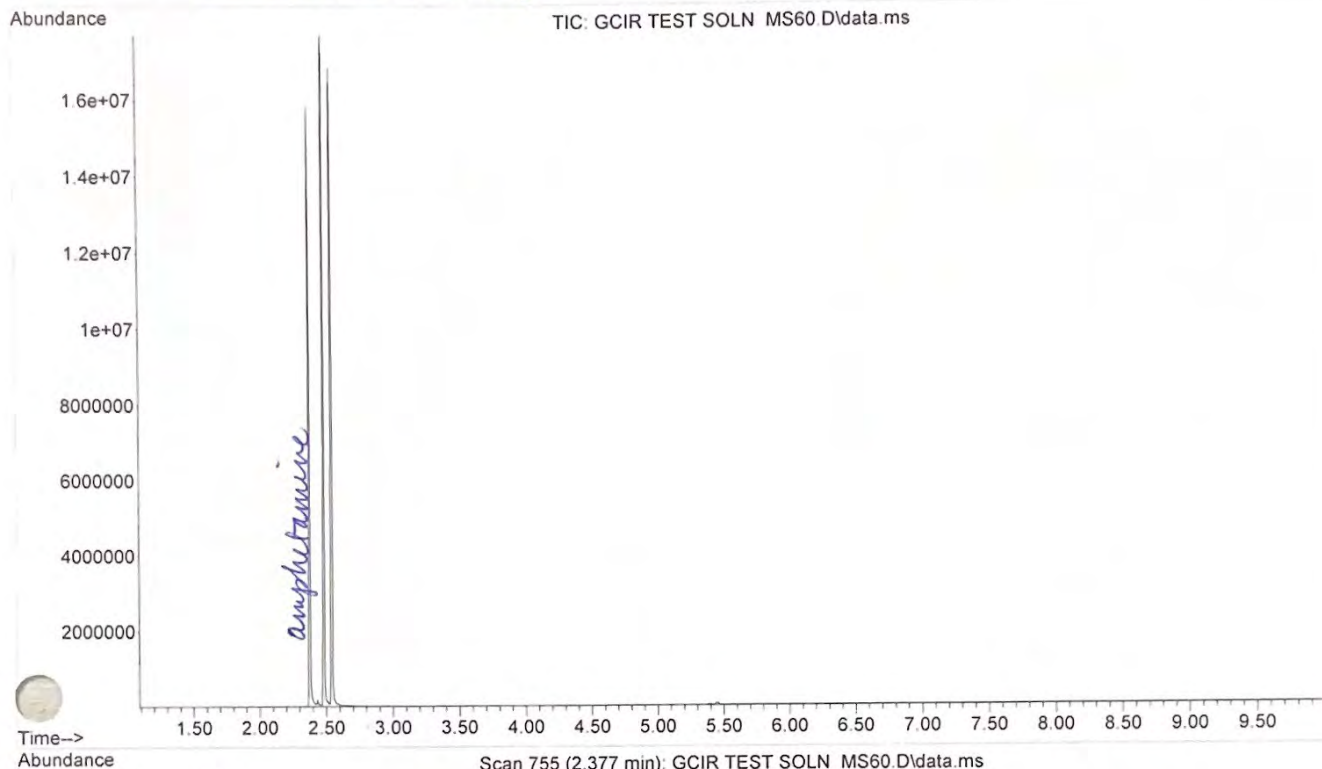
File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGS60\CALIB STD
... MIX MS60.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 04 Nov 2022 10:37 using AcqMethod ASMSDRUGS60.M
Sample Name: CALIBRATION STANDARD MIX (ASMSDRUGS60)
Misc Info : PETHIDINE / COCAINE / HYDROCODONE



File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGS60\BLANK GCI
... R TEST SOLN MS60.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 04 Nov 2022 11:41 using AcqMethod ASMSDRUGS60.M
Sample Name: BLANK FOR GC/IR TEST SOLUTION (MSDRUGS60)
Misc Info : ~~MeOH~~ 2:10.5N NaOH $\rightarrow$ CHCl₃ JKB

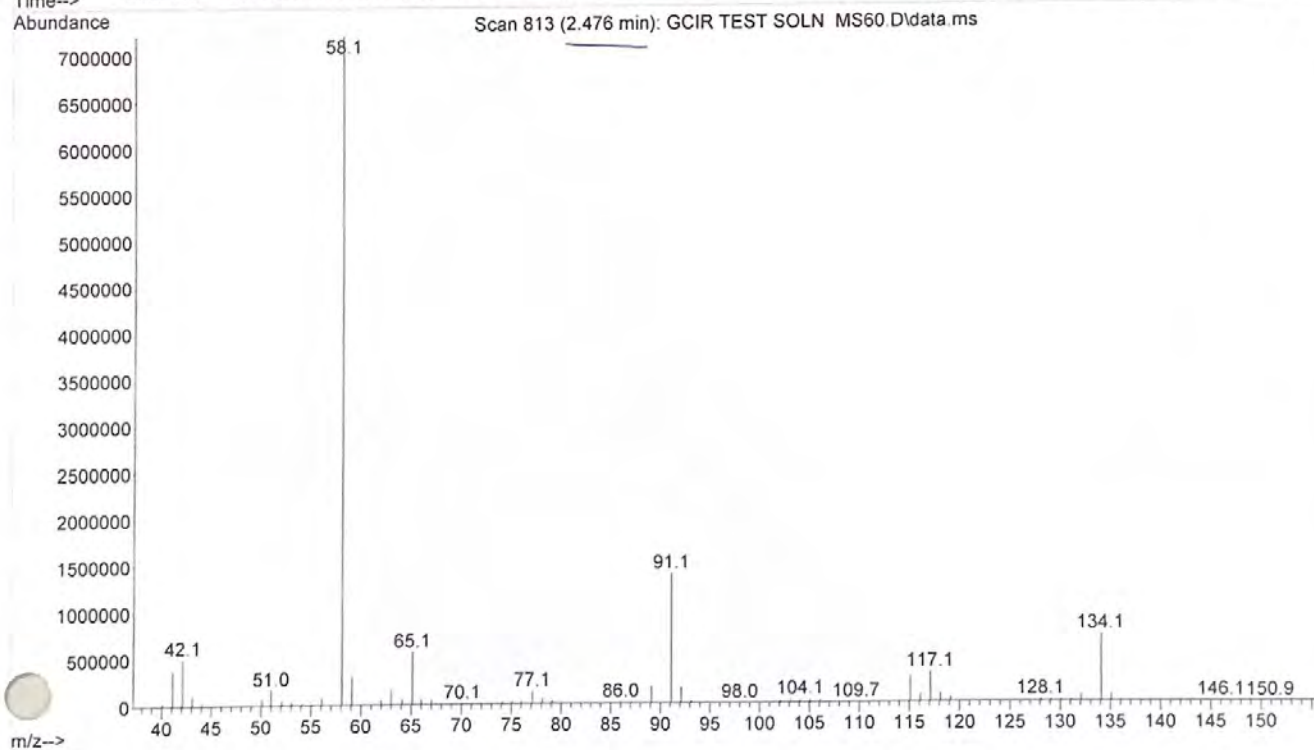
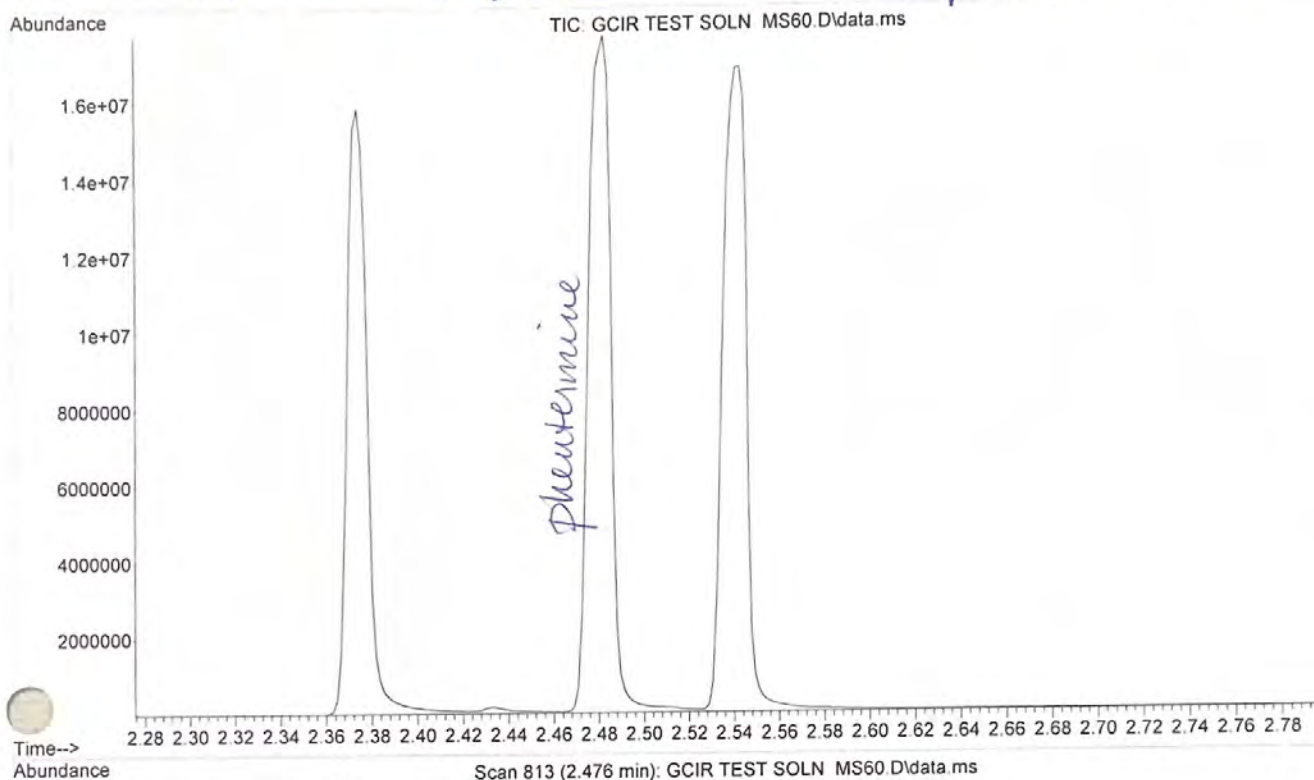


File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGS60\GCIR TEST
... SOLN MS60.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 04 Nov 2022 11:55 using AcqMethod ASMSDRUGS60.M
Sample Name: GC/IR TEST SOLUTION (MSDRUGS60)
Misc Info : MECH 2:1 0.5N NaOH $\rightarrow$ CHCl₃



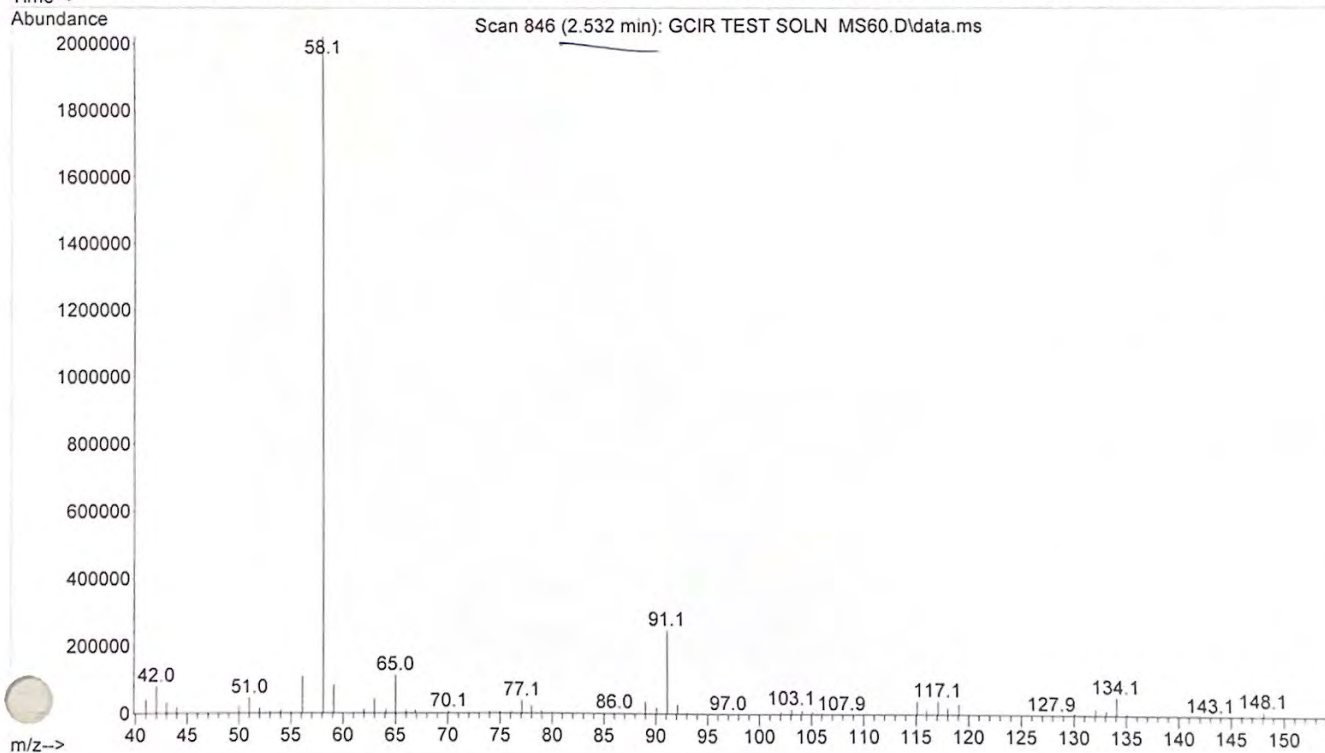
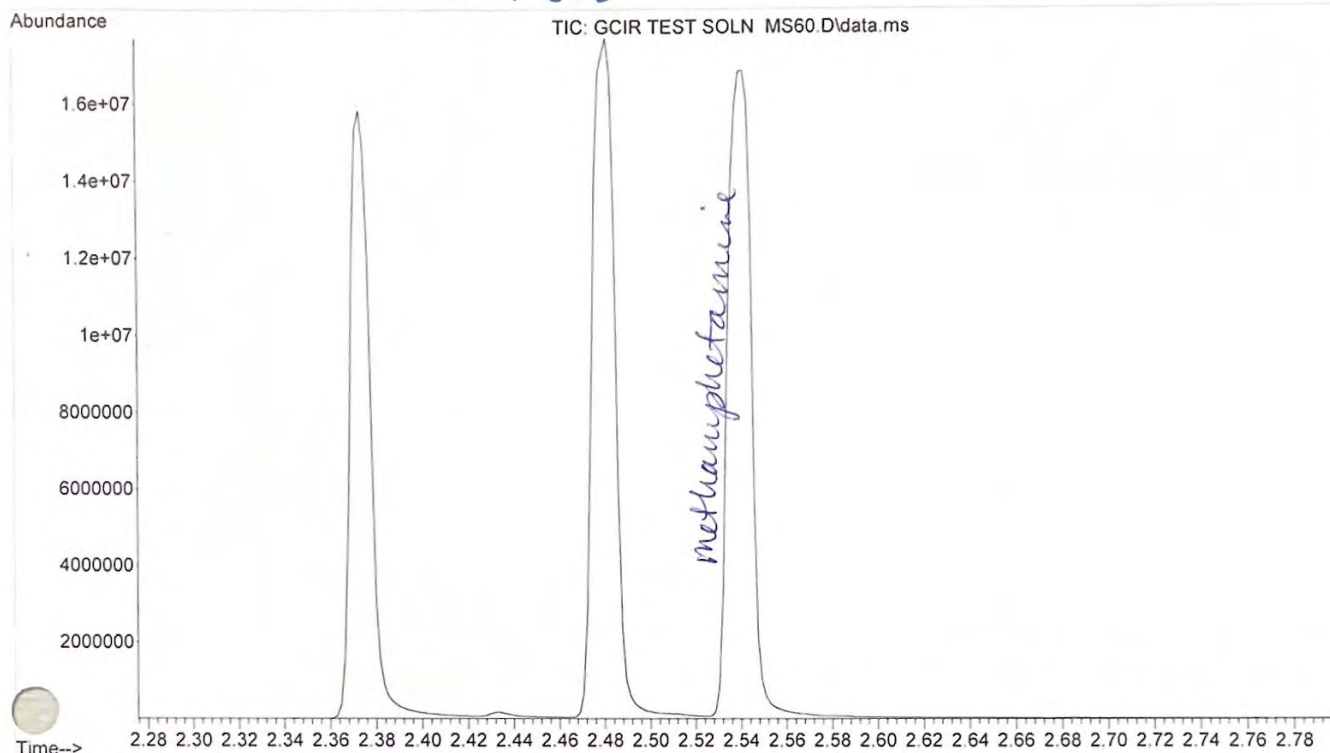
File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGS60\GCIR TEST
... SOLN MS60.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 04 Nov 2022 11:55 using AcqMethod ASMSDRUGS60.M
Sample Name: GC/IR TEST SOLUTION (MSDRUGS60)
Misc Info : MeOH 2:1 0.5N NaOH $\rightarrow$ CH₂ JKB

expanded view



File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGS60\GCIR TEST
... SOLN MS60.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 04 Nov 2022 11:55 using AcqMethod ASMSDRUGS60.M
Sample Name: GC/IR TEST SOLUTION (MSDRUGS60)
Misc Info : MeOH 2:1 0.5N NaOH $\rightarrow$ CH₂Cl₂ JKB

expanded view



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 100-280 / 30 minute method.

END OF METHOD CONTROL PARAMETERS

INSTRUMENT CONTROL PARAMETERS: Alma

D:\MassHunter\GCMS\1\methods\ASMSDRUGSTI.M
Tue Nov 29 12:04:55 2022

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 70 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 26.43 min

Equilibration Time 0.25 min
Oven Temperature 325 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 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 3000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 3000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.5 µL

Solvent Wash Mode

Back Injector
Syringe Size
Injection Volume
Solvent A Washes (PreInj)
Solvent A Washes (PostInj)
Solvent A Volume
Solvent B Washes (PreInj)
Solvent B Washes (PostInj)
Solvent B Volume
Sample Washes
Sample Wash Volume
Sample Pumps
Dwell Time (PreInj)
Dwell Time (PostInj)
Solvent Wash Draw Speed
Solvent Wash Dispense Speed
Sample Wash Draw Speed
Sample Wash Dispense Speed
Injection Dispense Speed
Viscosity Delay
Sample Depth
Injection Type
L1 Airgap
Solvent Wash Mode

A, B

10 µL
1 µL
0
0
8 µL
0
0
8 µL
0
8 µL
0
0 min
0 min
300 µL/min
6000 µL/min
300 µL/min
6000 µL/min
6000 µL/min
0 sec
Disabled
Standard
0.2 µL
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 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
0.57353 mL/min

Column Information

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

Agilent 19091S-602
 HP-lms
 -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
 10 psi

Column Information

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

Agilent 19091S-913
 HP-lms
 -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: US2227M017

Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
34.899	:	REPELLER	
90.331	:	IONFOCUS	
27.717	:	ENTRANCE_LENS	
1057.682	:	EMVOLTS	
			1094.9 : Actual EMV
			1.00 : GAIN FACTOR
3306.000	:	AMUGAIN	
141.563	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
9.621	:	ENTLENDOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
507.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT 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
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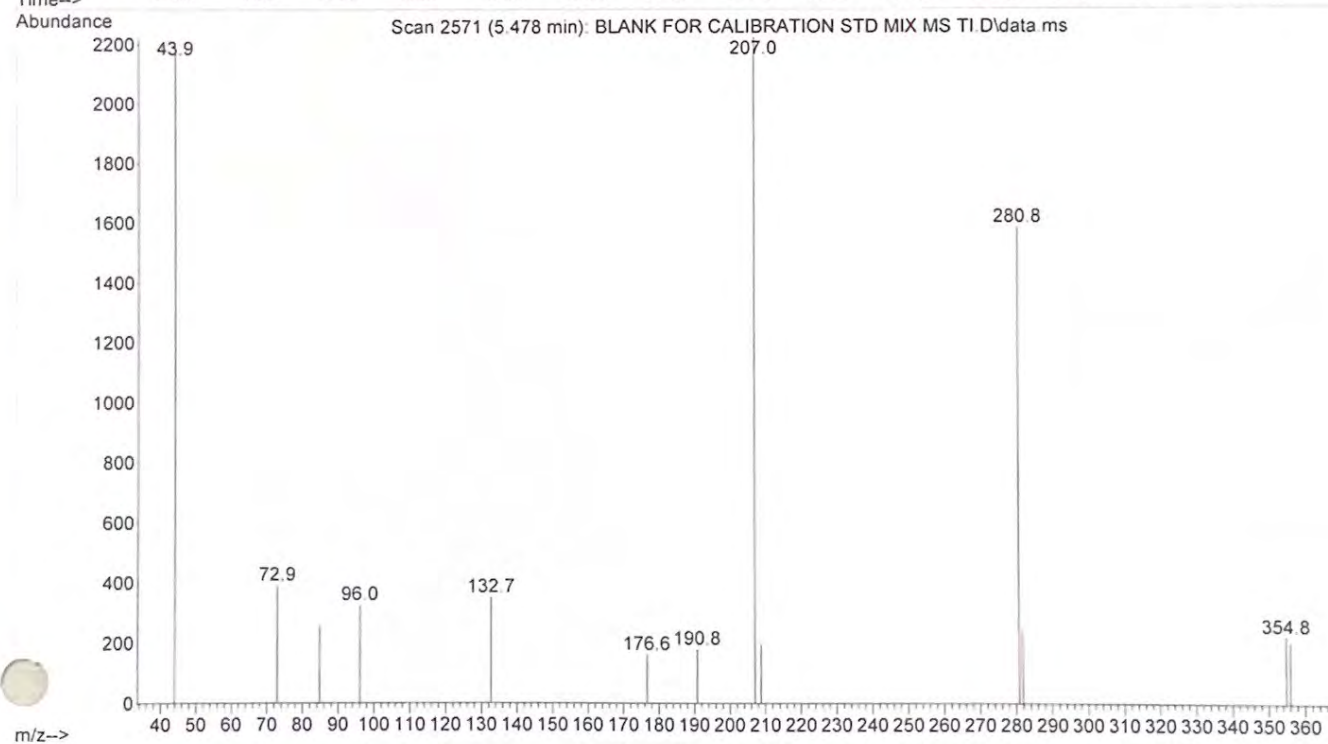
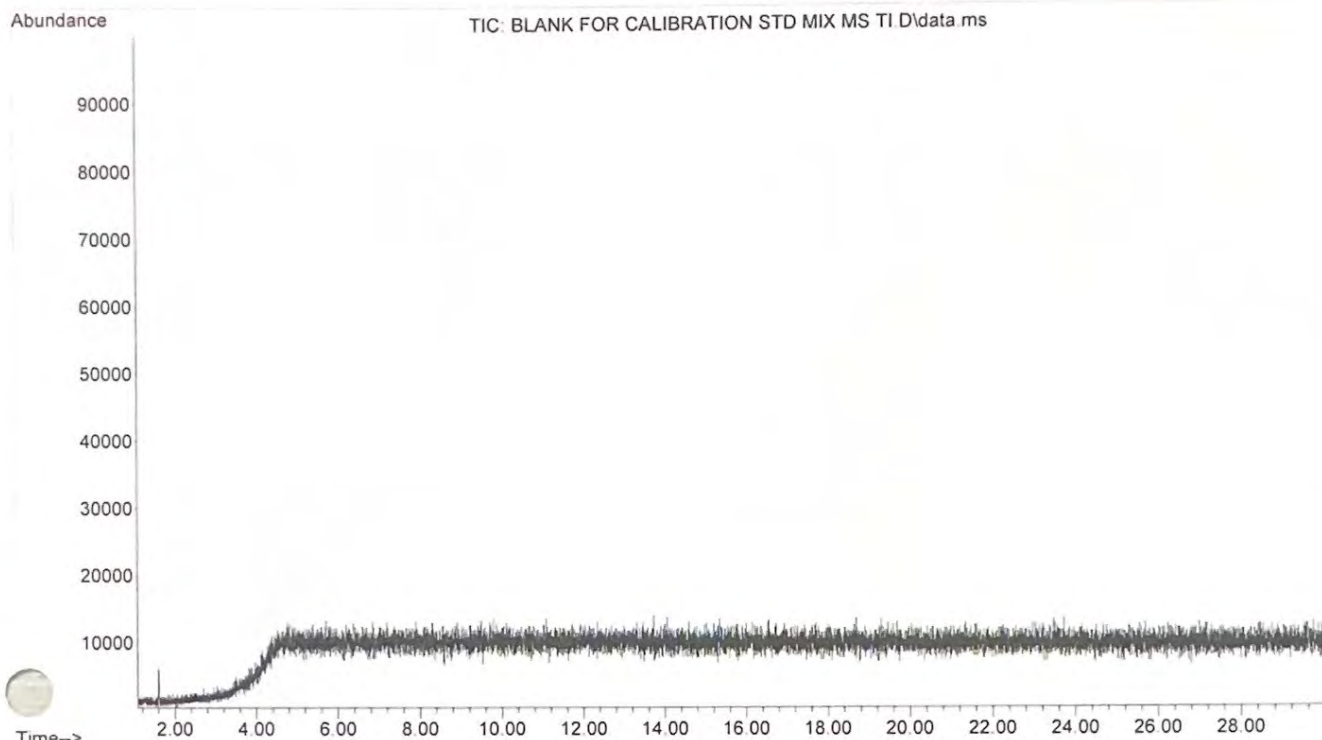
Real-Time Plots

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

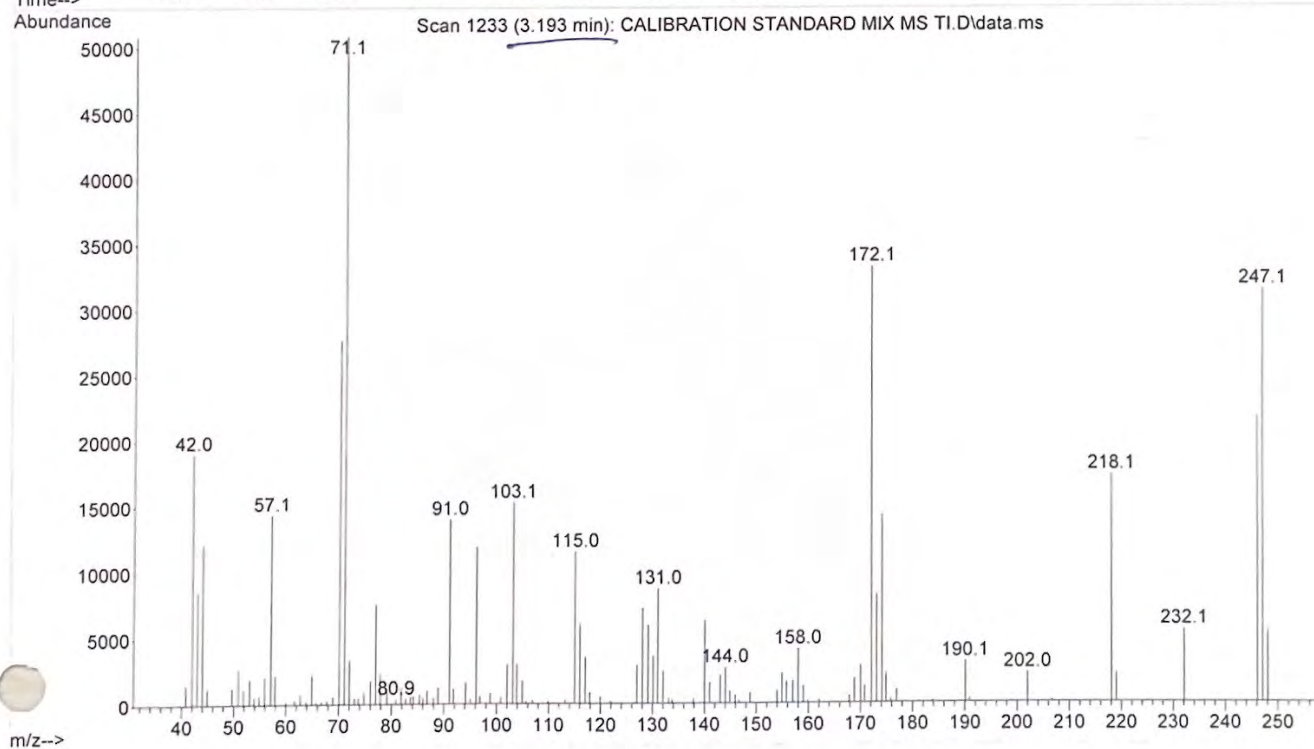
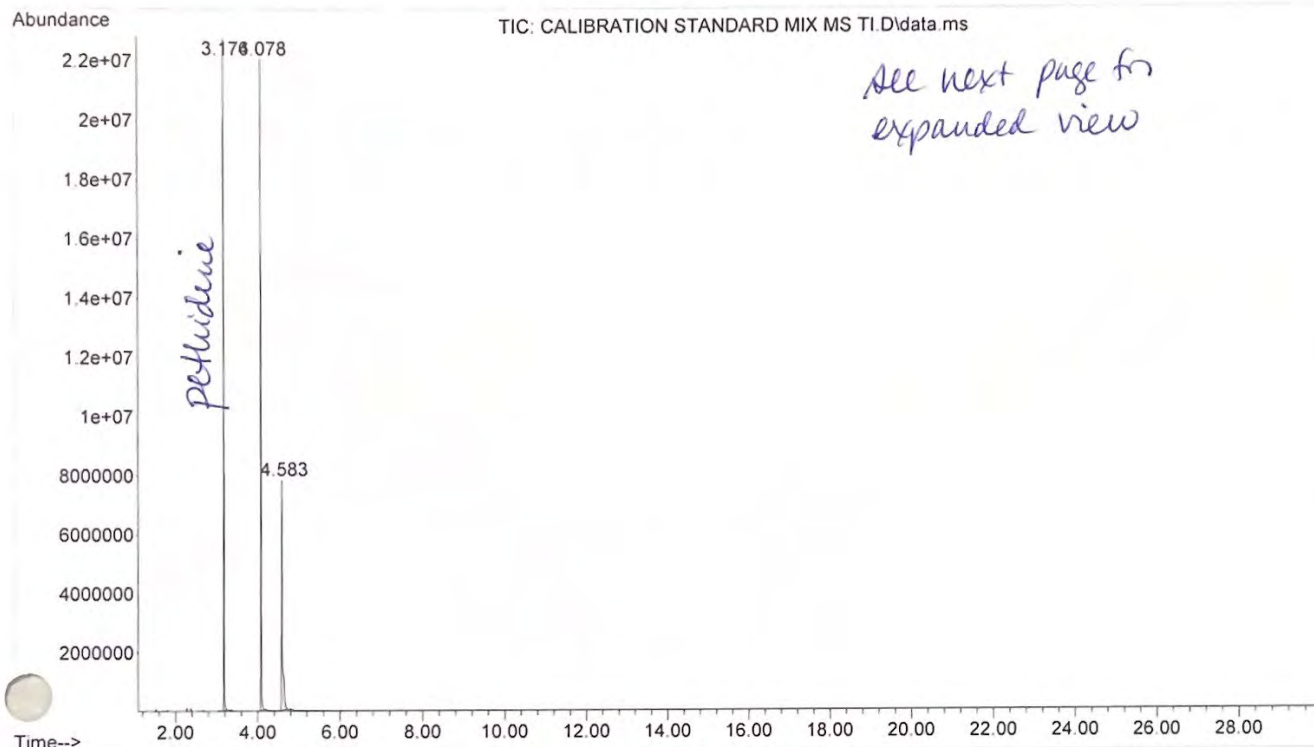
Self-Cleaning Ion Source Parameters

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

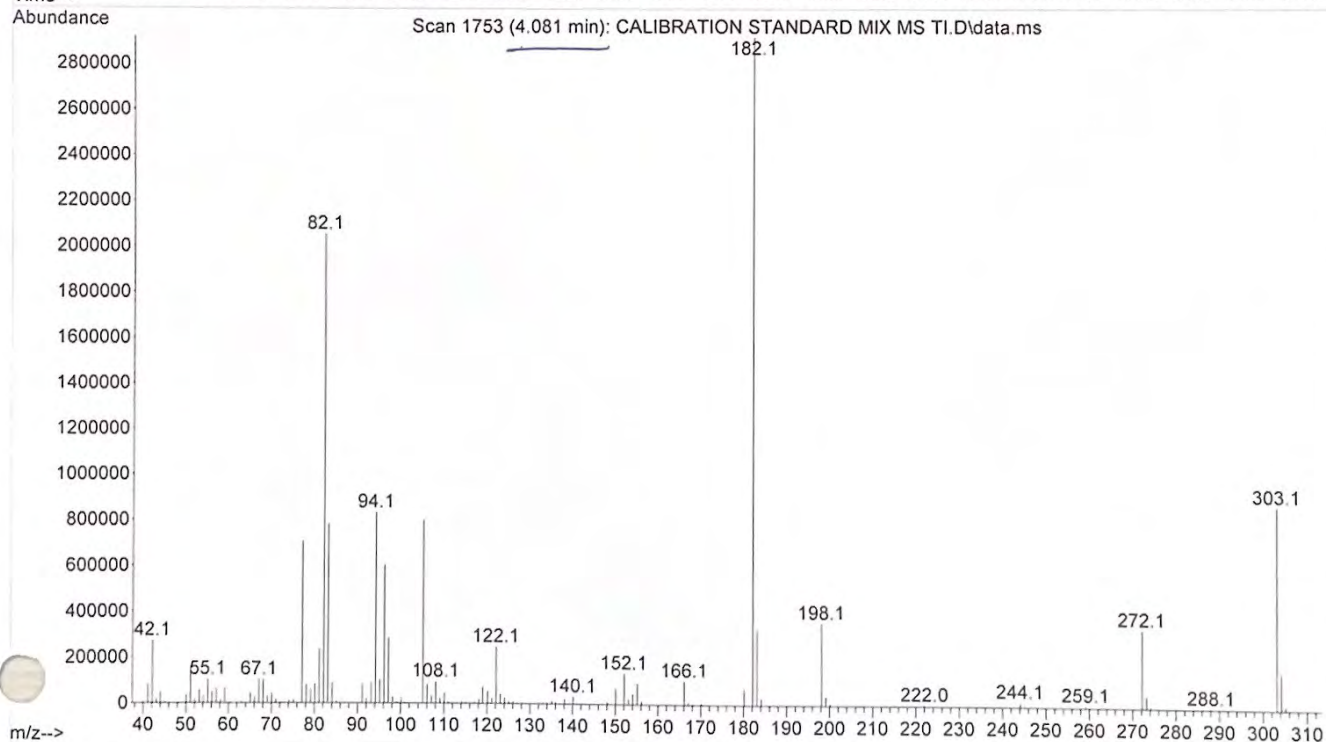
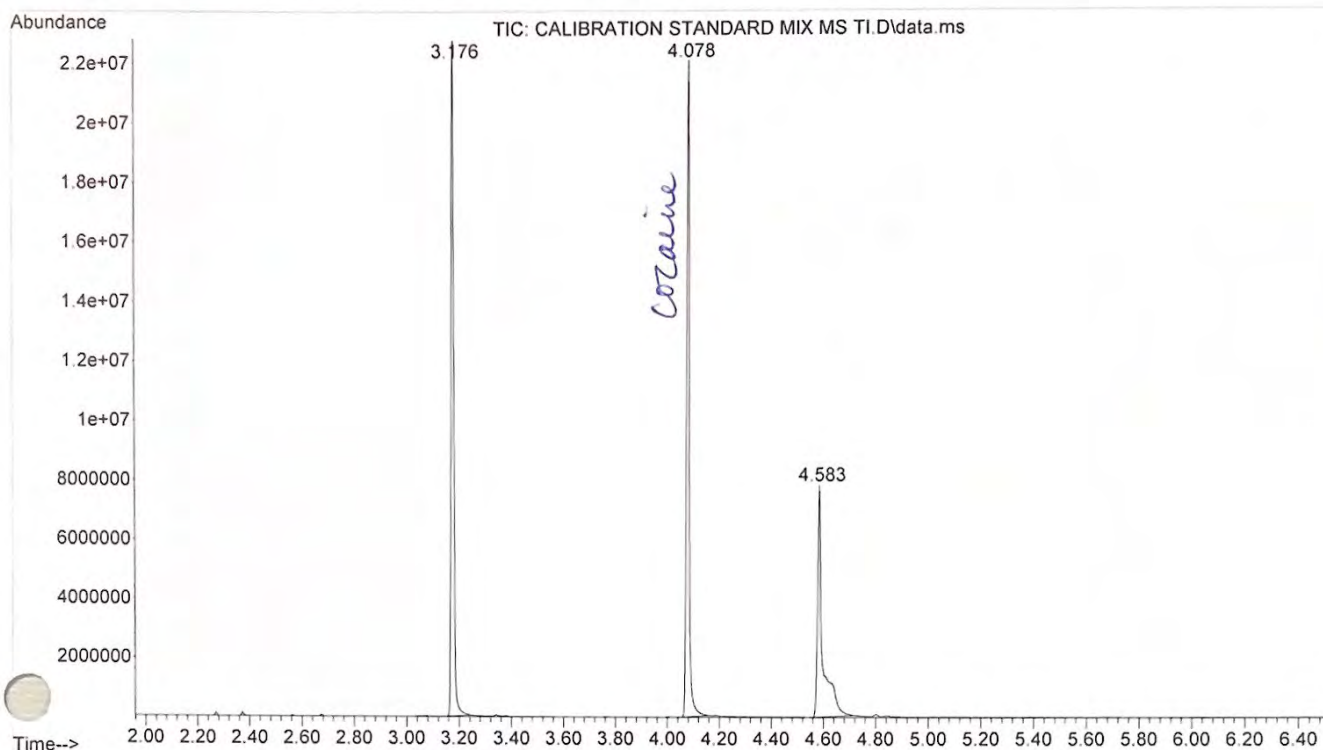
File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGSTI\BLANK FOR
... CALIBRATION STD MIX MS TI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 04 Nov 2022 23:13 using AcqMethod ASMSDRUGSTI.M
Sample Name: BLANK FOR CALIBRATION STD MIX MS TI
Misc Info : MeOH



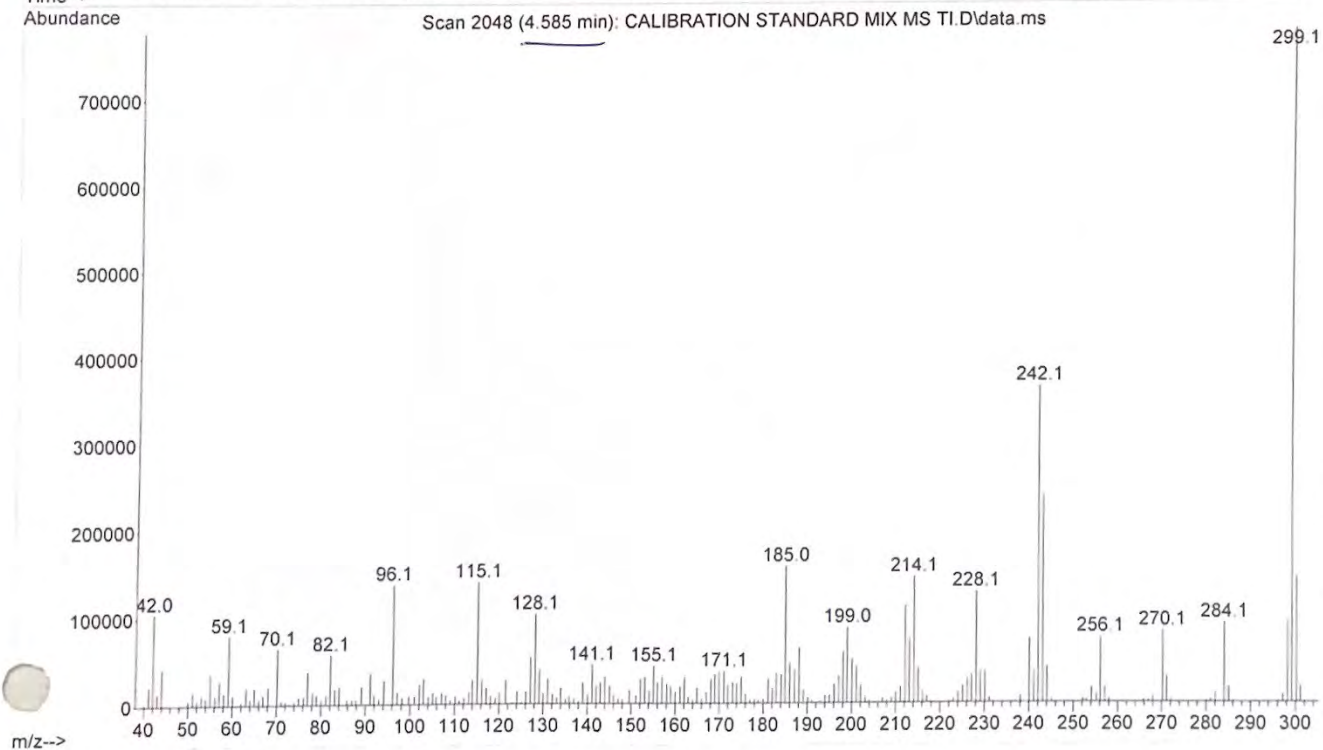
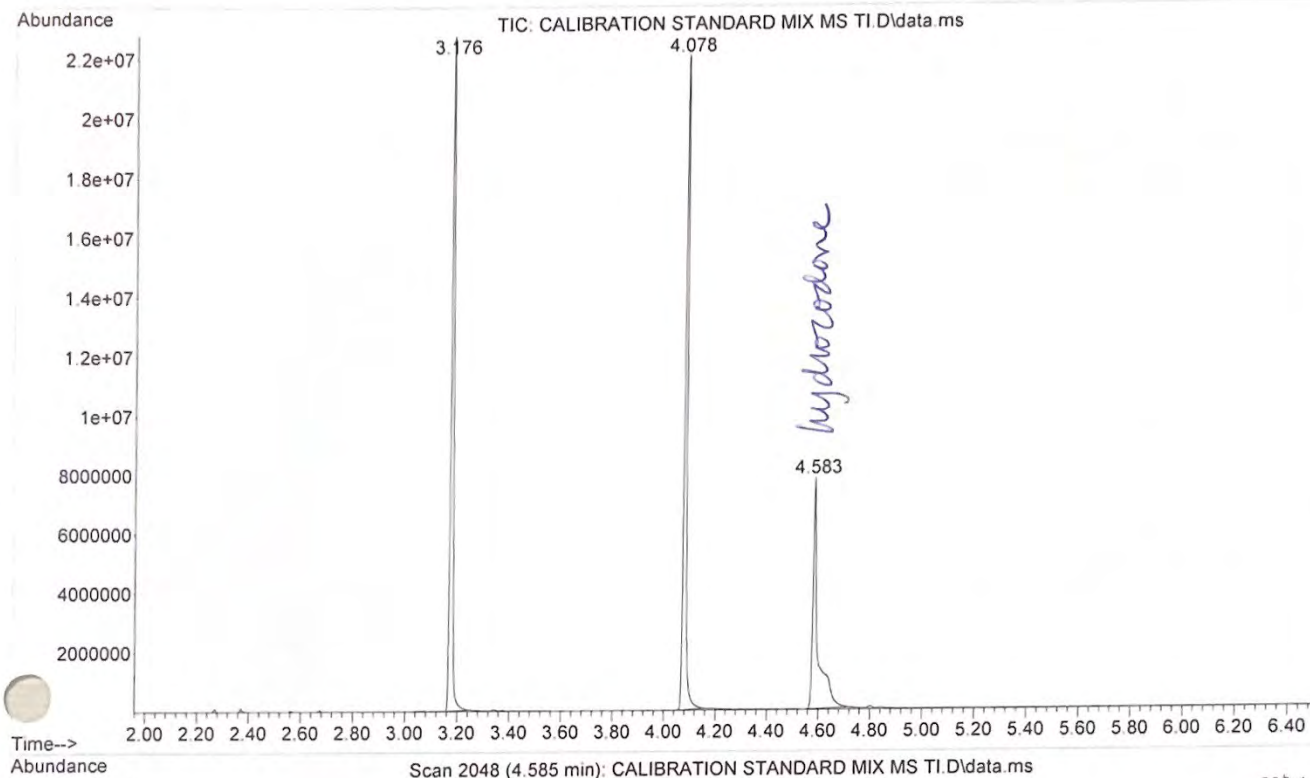
File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGSTI\CALIBRATI
... ON STANDARD MIX MS TI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 04 Nov 2022 23:46 using AcqMethod ASMSDRUGSTI.M
Sample Name: CALIBRATION STANDARD MIX (MS TI)
Misc Info : PETHIDINE / COCAINE / HYDROCODONE



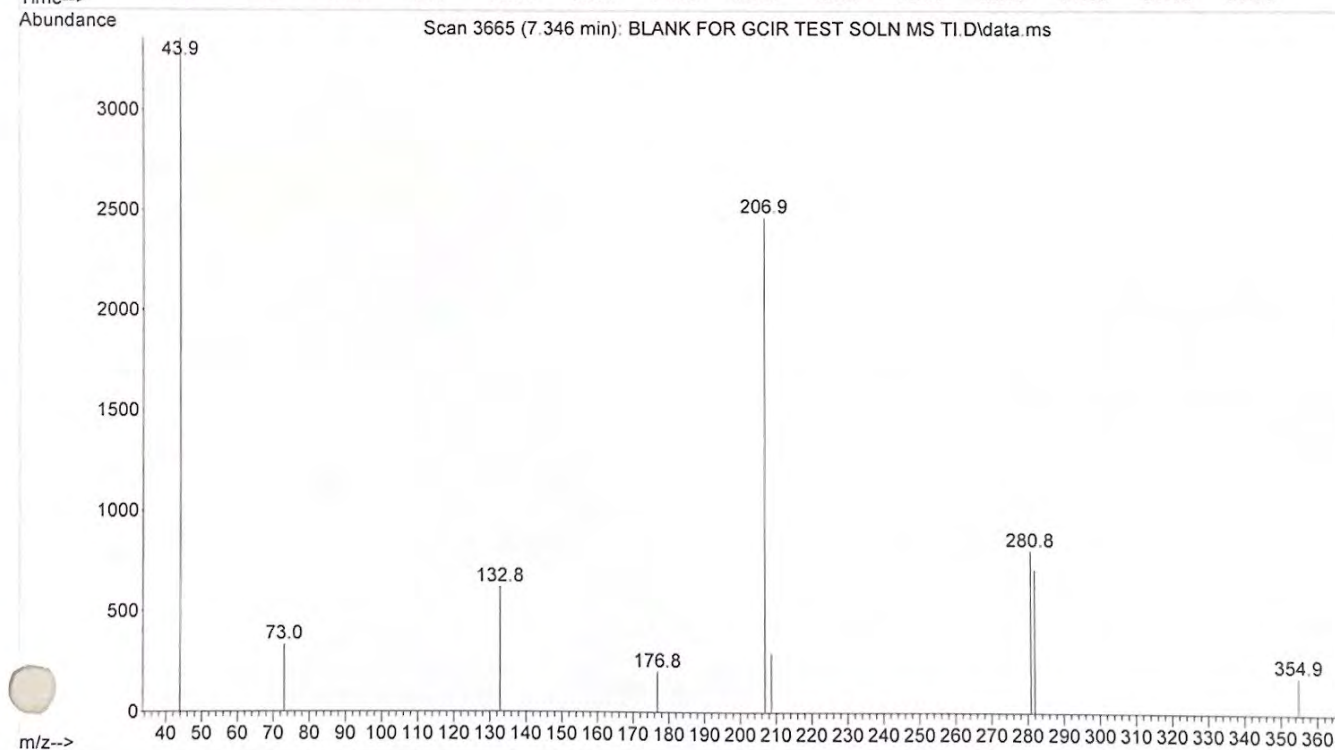
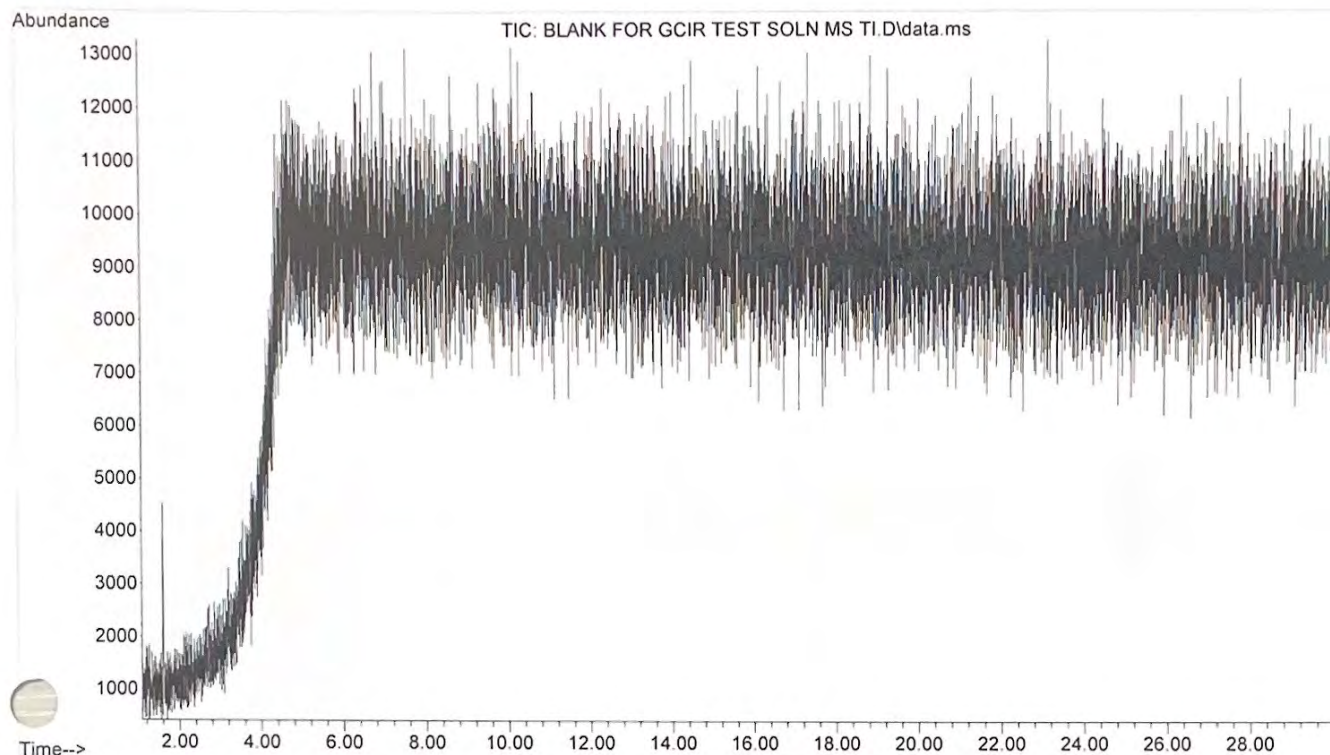
File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGSTI\CALIBRATI
... ON STANDARD MIX MS TI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 04 Nov 2022 23:46 using AcqMethod ASMSDRUGSTI.M
Sample Name: CALIBRATION STANDARD MIX (MS TI)
Misc Info : PETHIDINE / COCAINE / HYDROCODONE



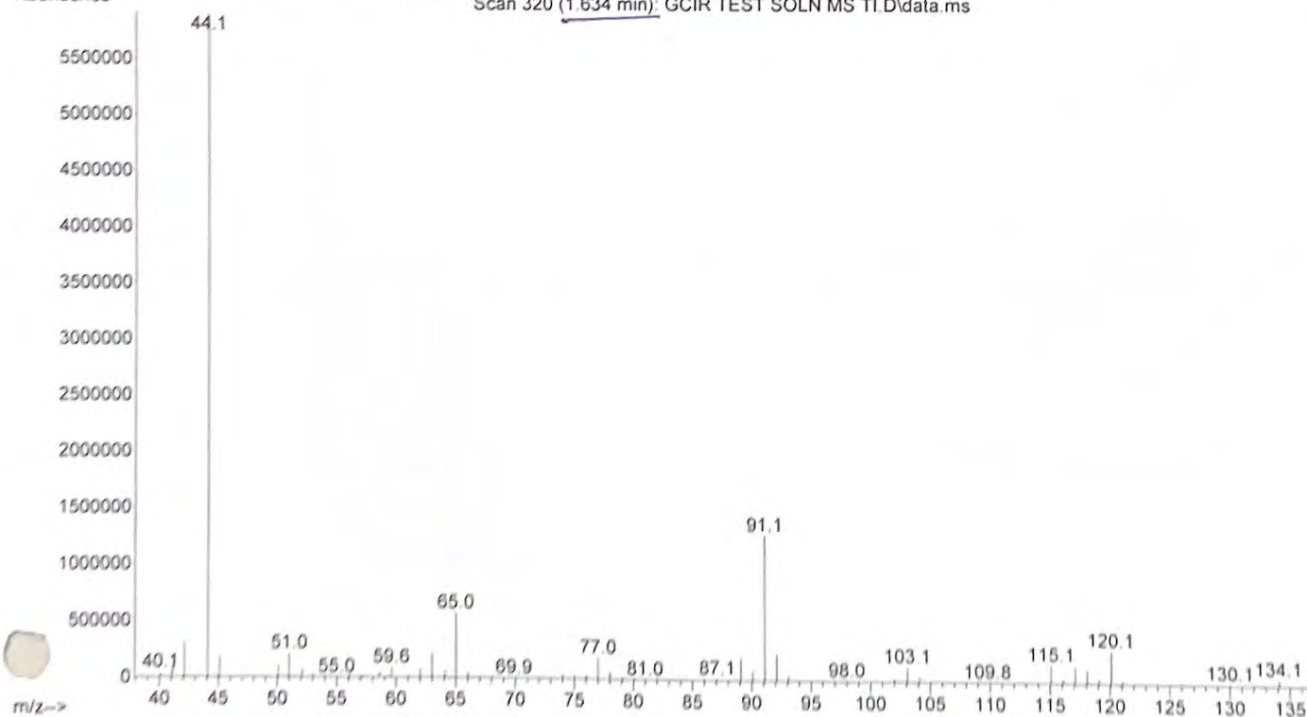
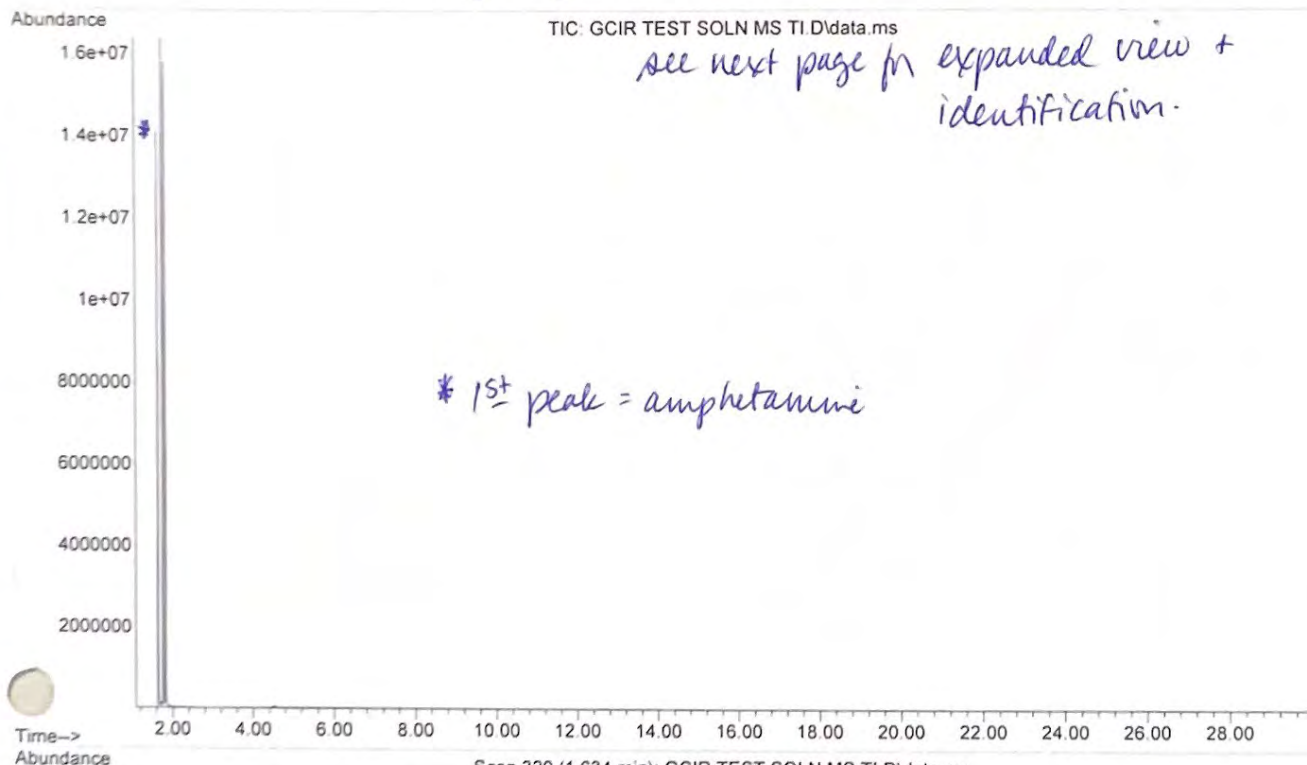
File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGSTI\CALIBRATI
... ON STANDARD MIX MS TI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 04 Nov 2022 23:46 using AcqMethod ASMSDRUGSTI.M
Sample Name: CALIBRATION STANDARD MIX (MS TI)
Misc Info : PETHIDINE / COCAINE / HYDROCODONE



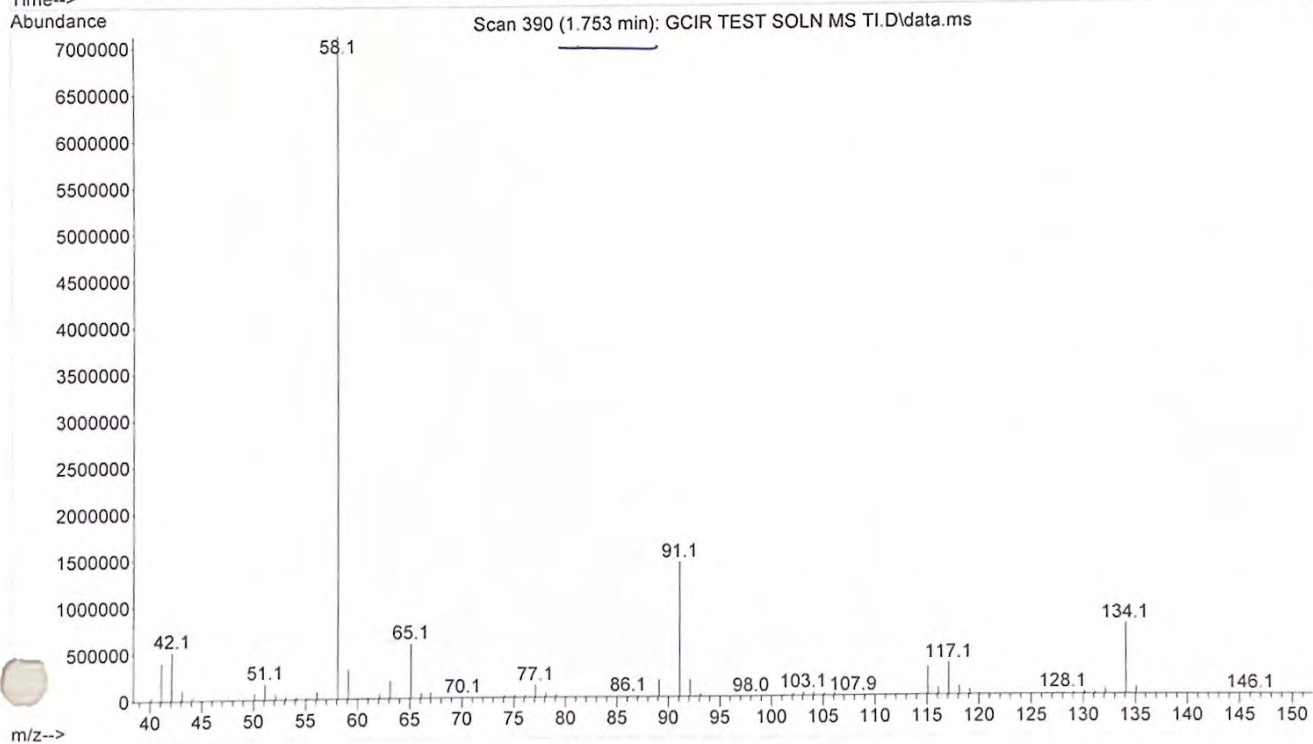
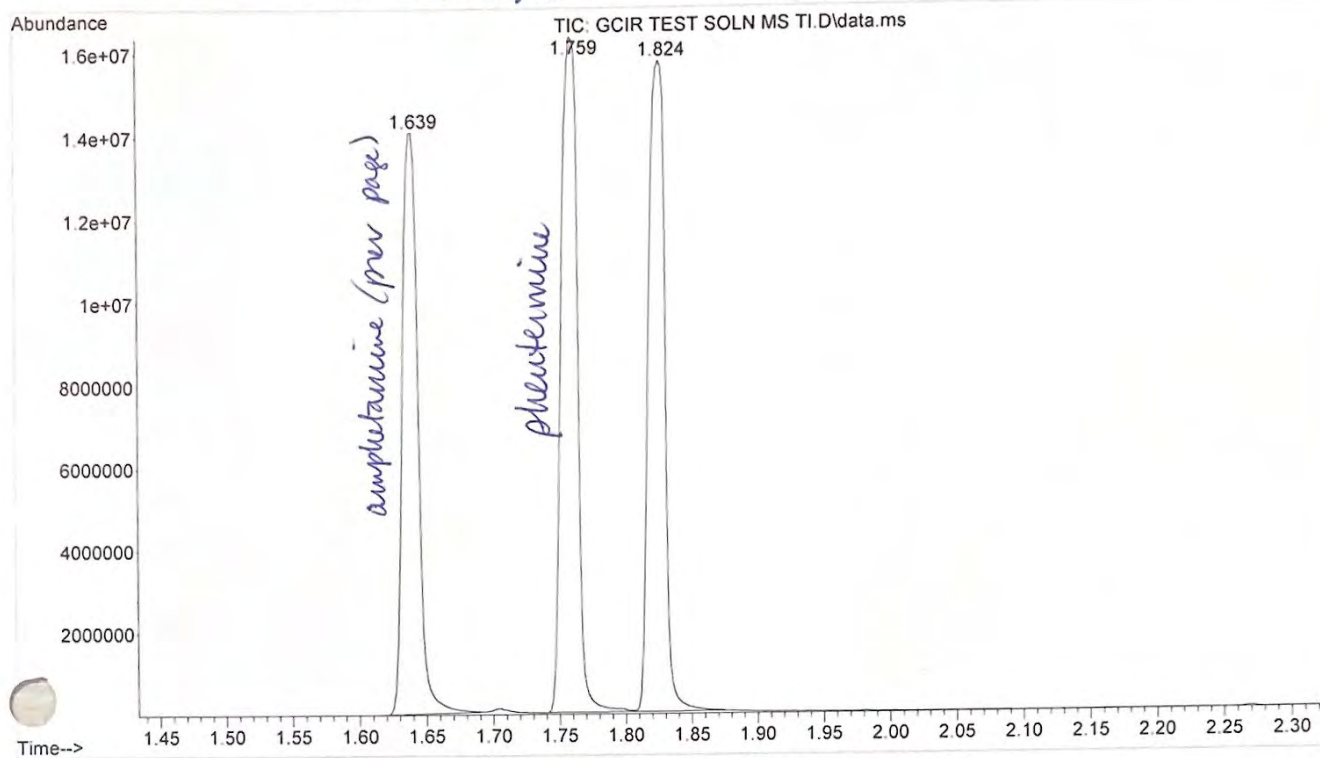
File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGSTI\BLANK FOR
... GCIR TEST SOLN MS TI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 05 Nov 2022 00:52 using AcqMethod ASMSDRUGSTI.M
Sample Name: BLANK FOR GC/IR TEST SOLN MS TI
Misc Info : MeOH



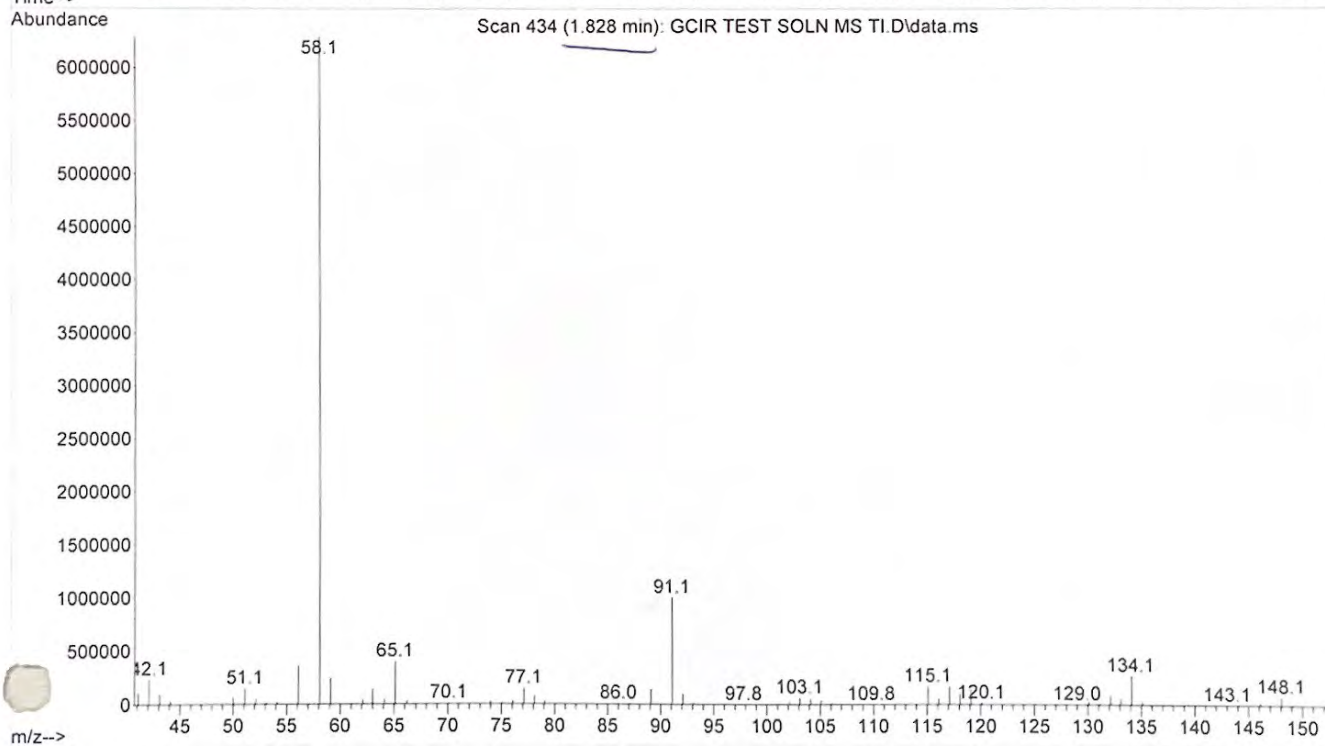
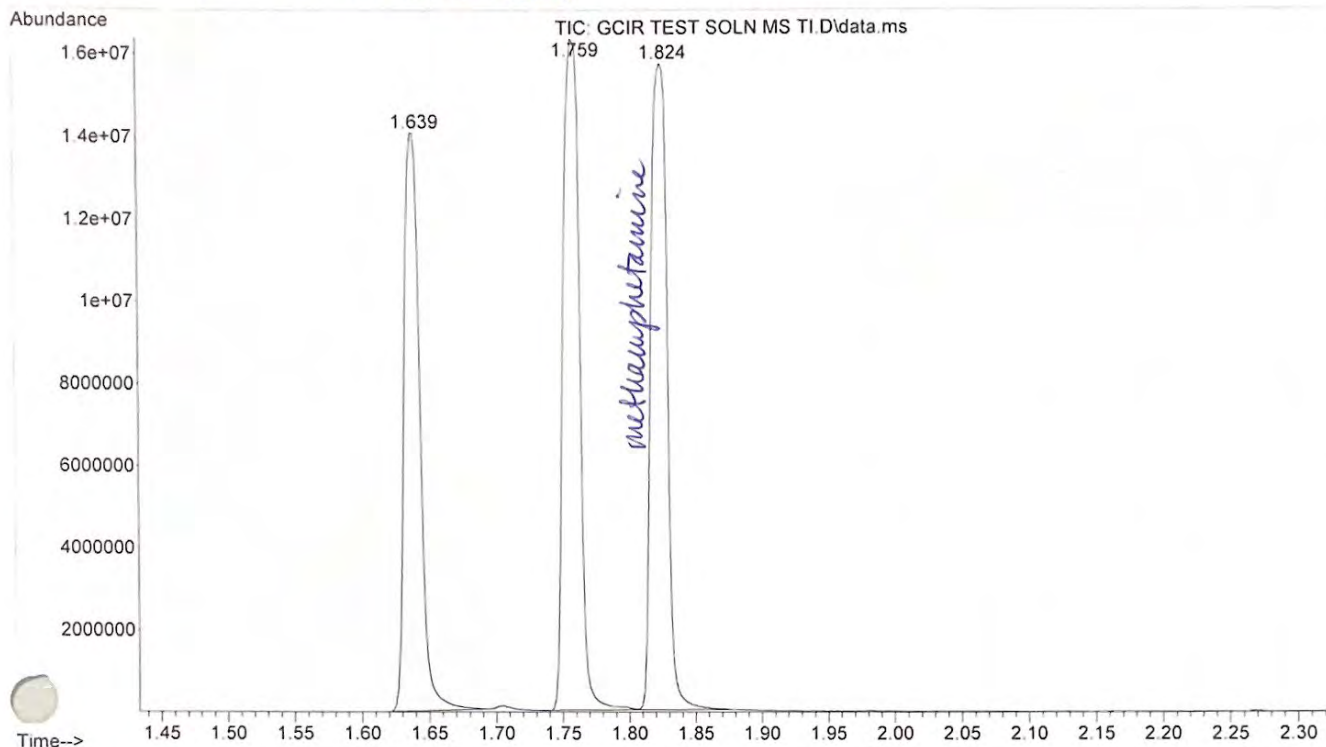
File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGSTI\GCIR TEST
... SOLN MS TI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 05 Nov 2022 01:25 using AcqMethod ASMSDRUGSTI.M
Sample Name: GC/IR TEST SOLN MS TI
Misc Info : *MeOH 2:1 0.5N NaOH $\rightarrow$ CHA₃ JKB



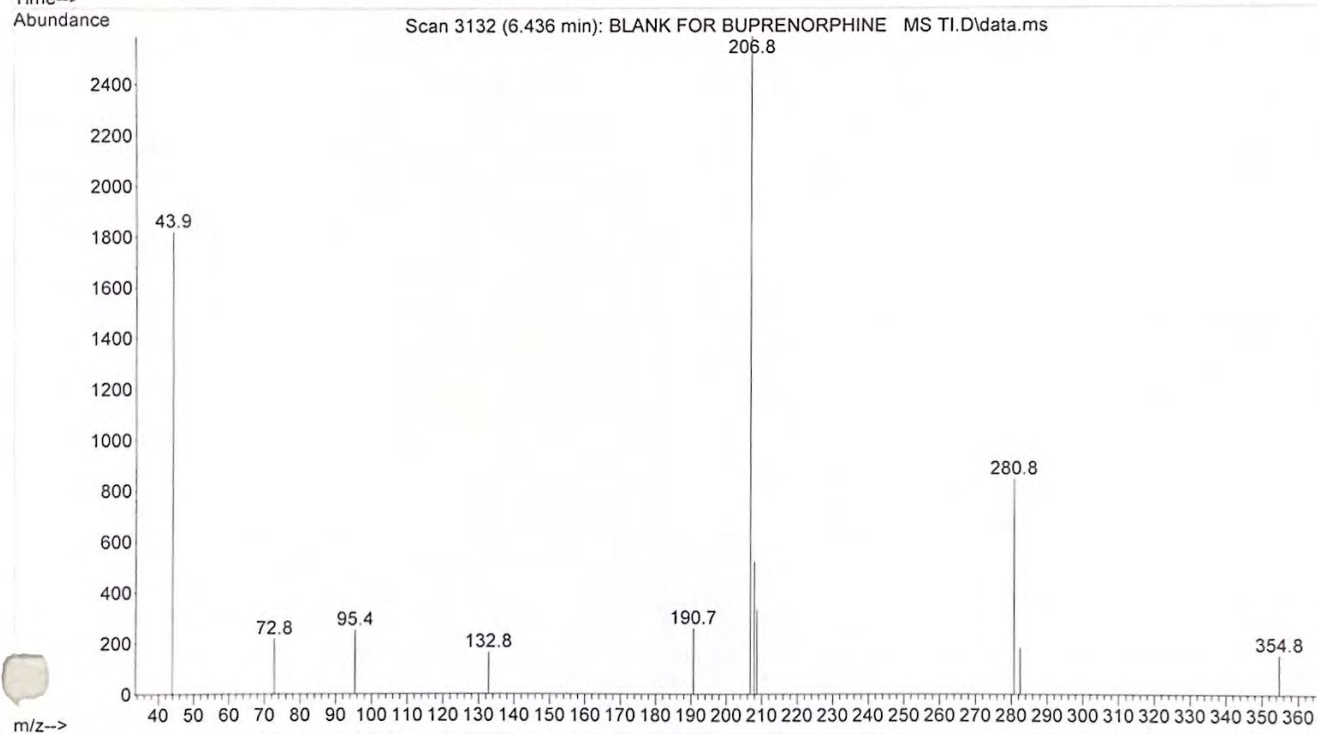
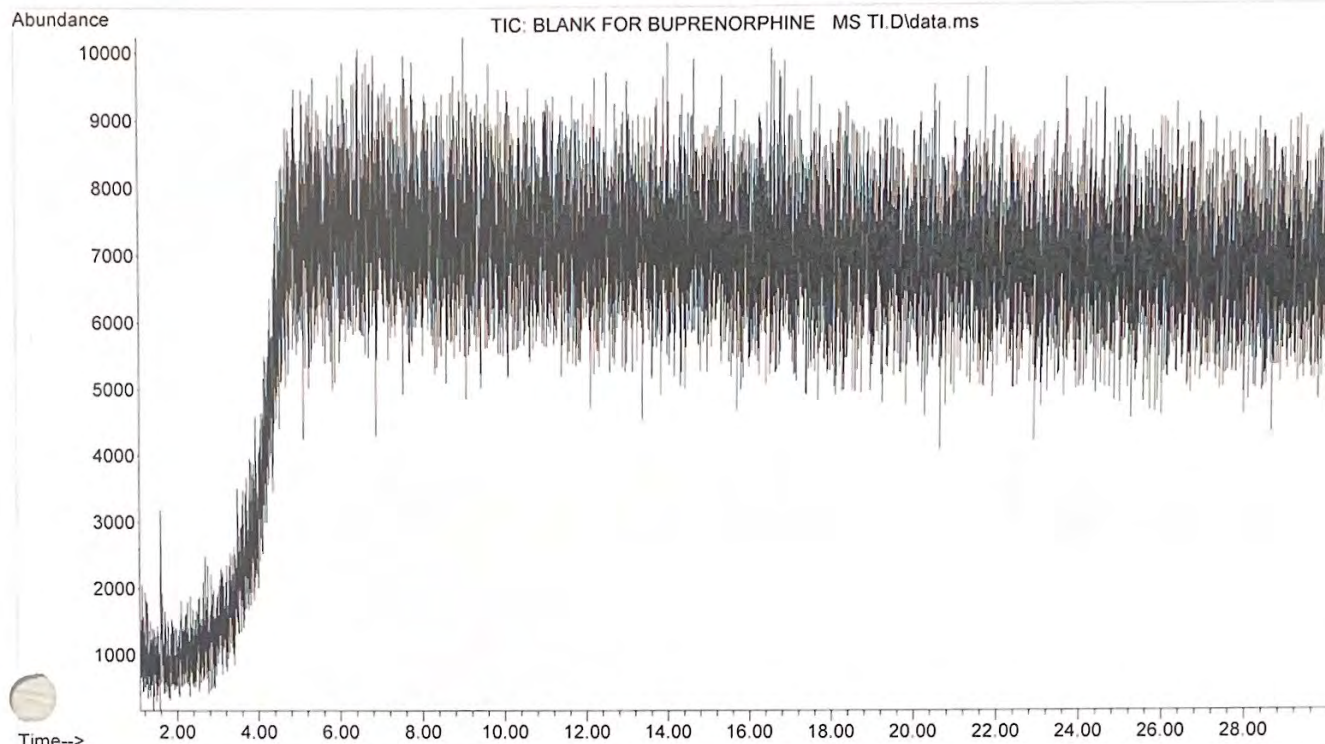
File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGSTI\GCIR TEST
... SOLN MS TI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 05 Nov 2022 01:25 using AcqMethod ASMSDRUGSTI.M
Sample Name: GC/IR TEST SOLN MS TI
Misc Info : MeOH 2:1 0.5N NaOH $\rightarrow$ CHCl₃ JKB



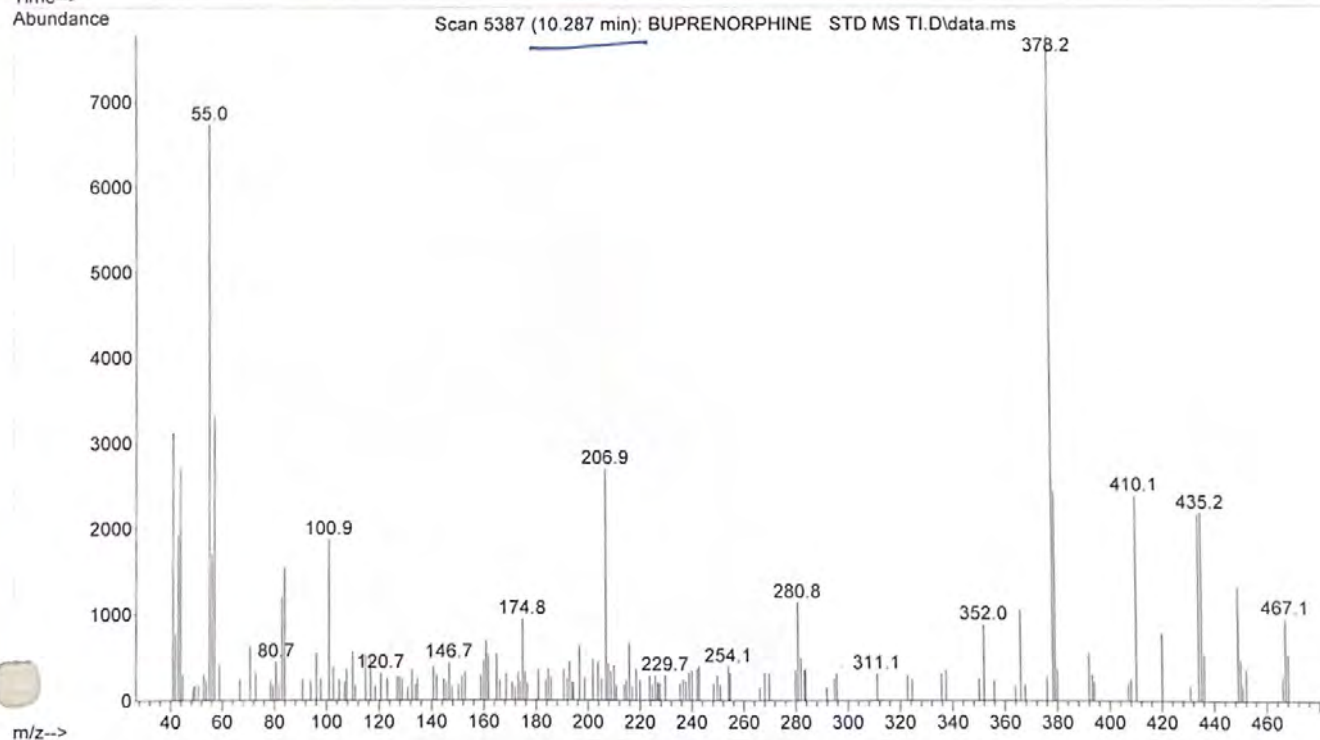
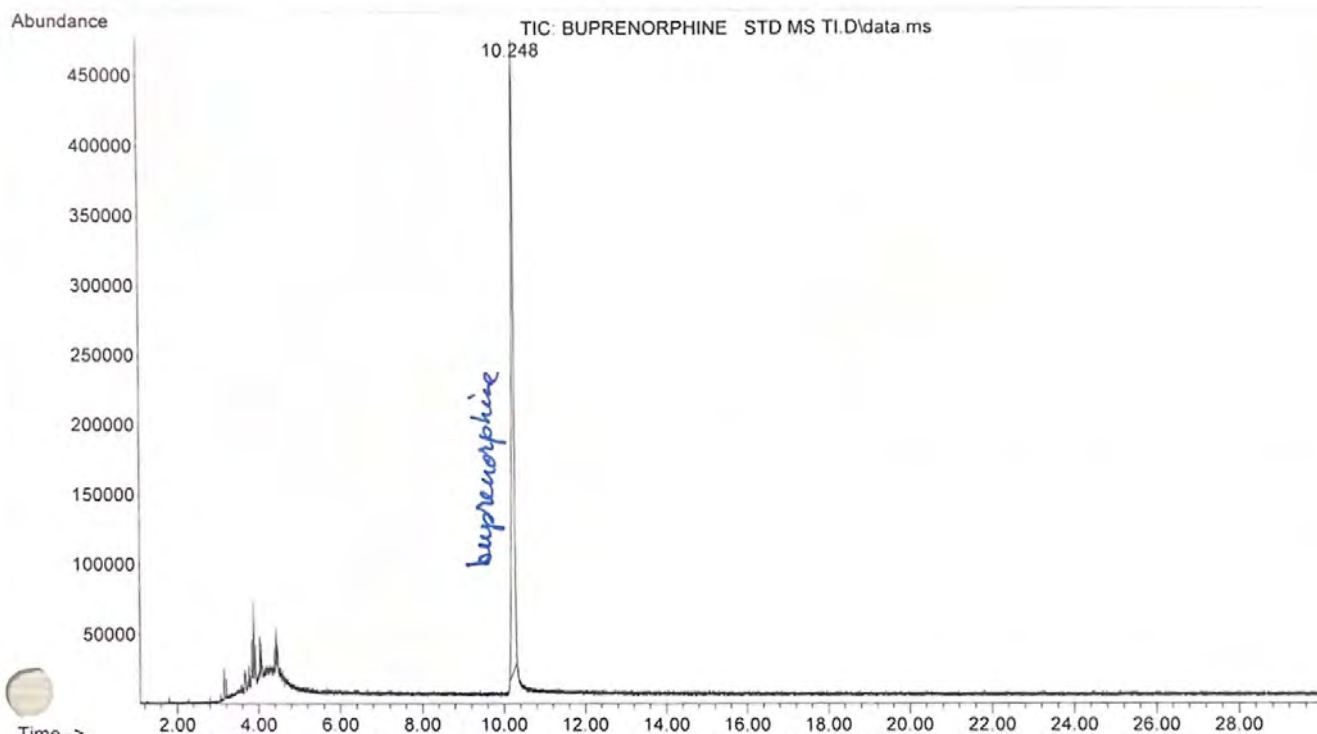
File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGSTI\GCIR TEST
... SOLN MS TI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 05 Nov 2022 01:25 using AcqMethod ASMSDRUGSTI.M
Sample Name: GC/IR TEST SOLN MS TI
Misc Info : MeOH 2:1 0.5N NaOH $\rightarrow$ CHCl₃ JKB



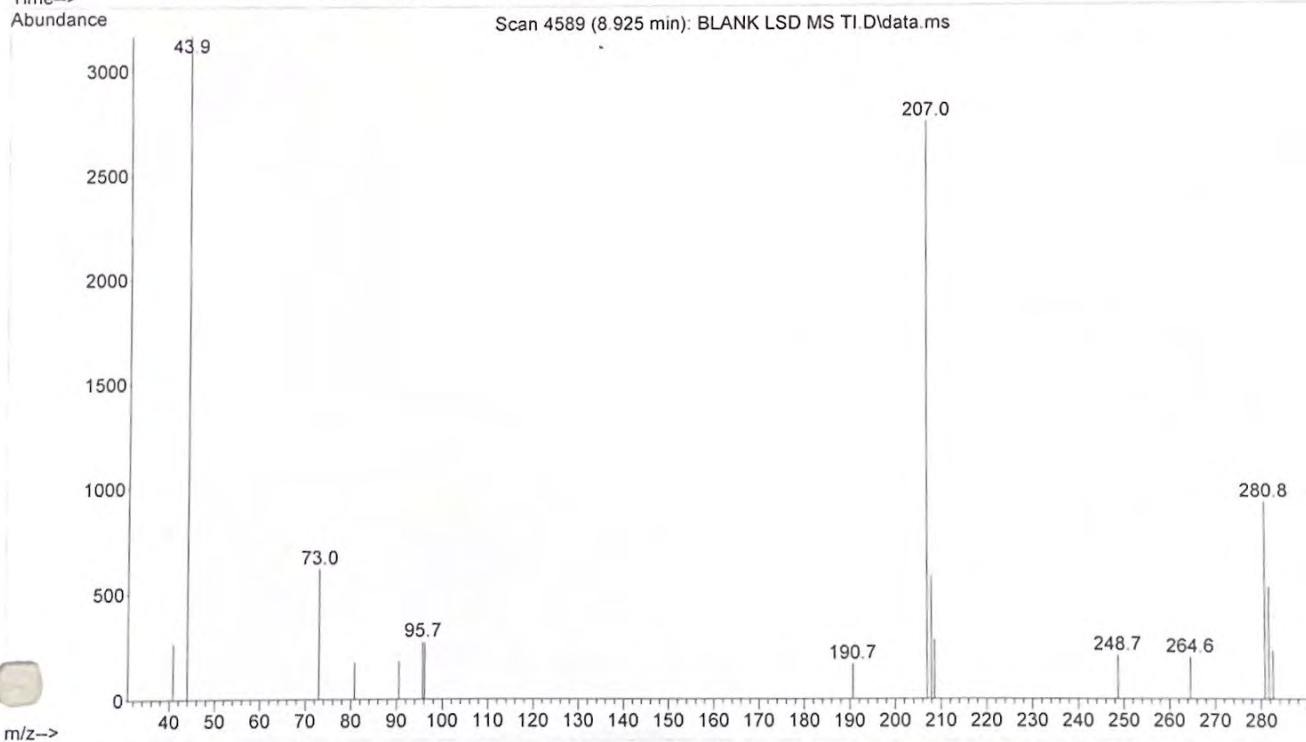
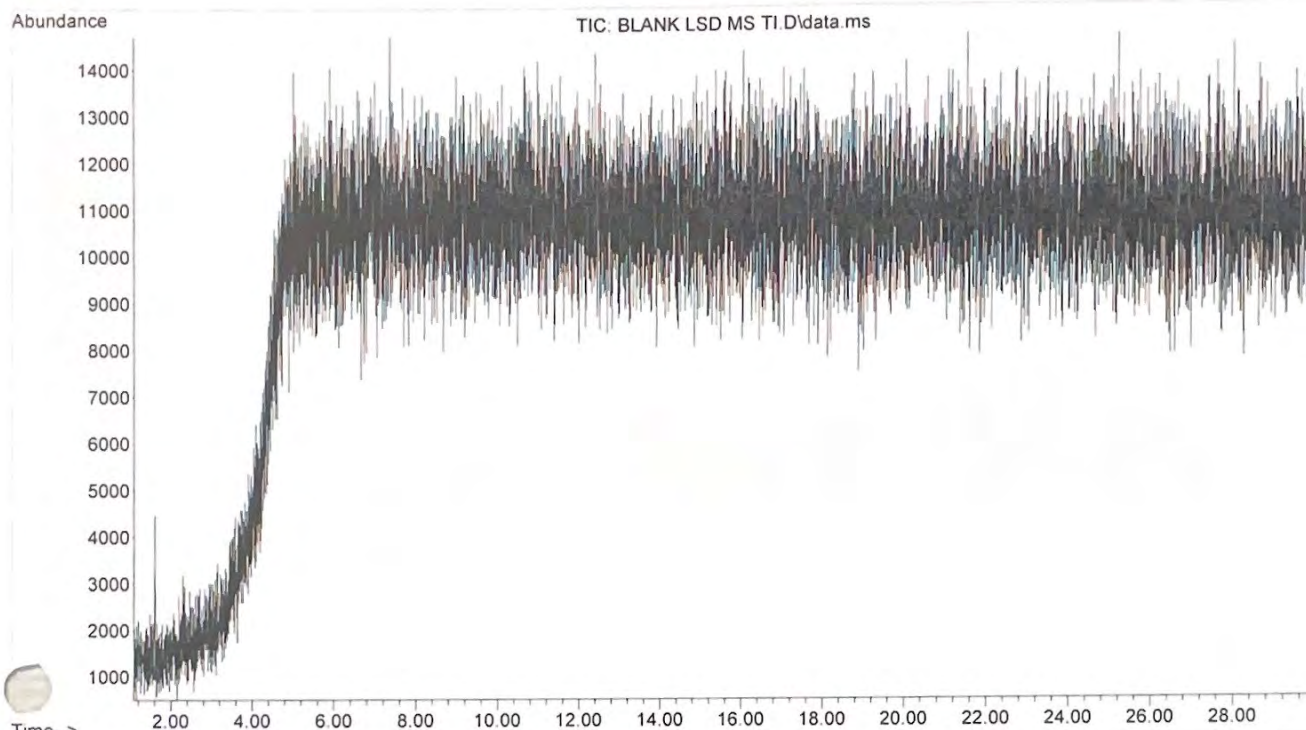
File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGSTI\BLANK FOR
... BUPRENORPHINE MS TI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 08 Nov 2022 12:02 using AcqMethod ASMSDRUGSTI.M
Sample Name: BLANK FOR BUPRENORPHINE MS TI
Misc Info : MeOH



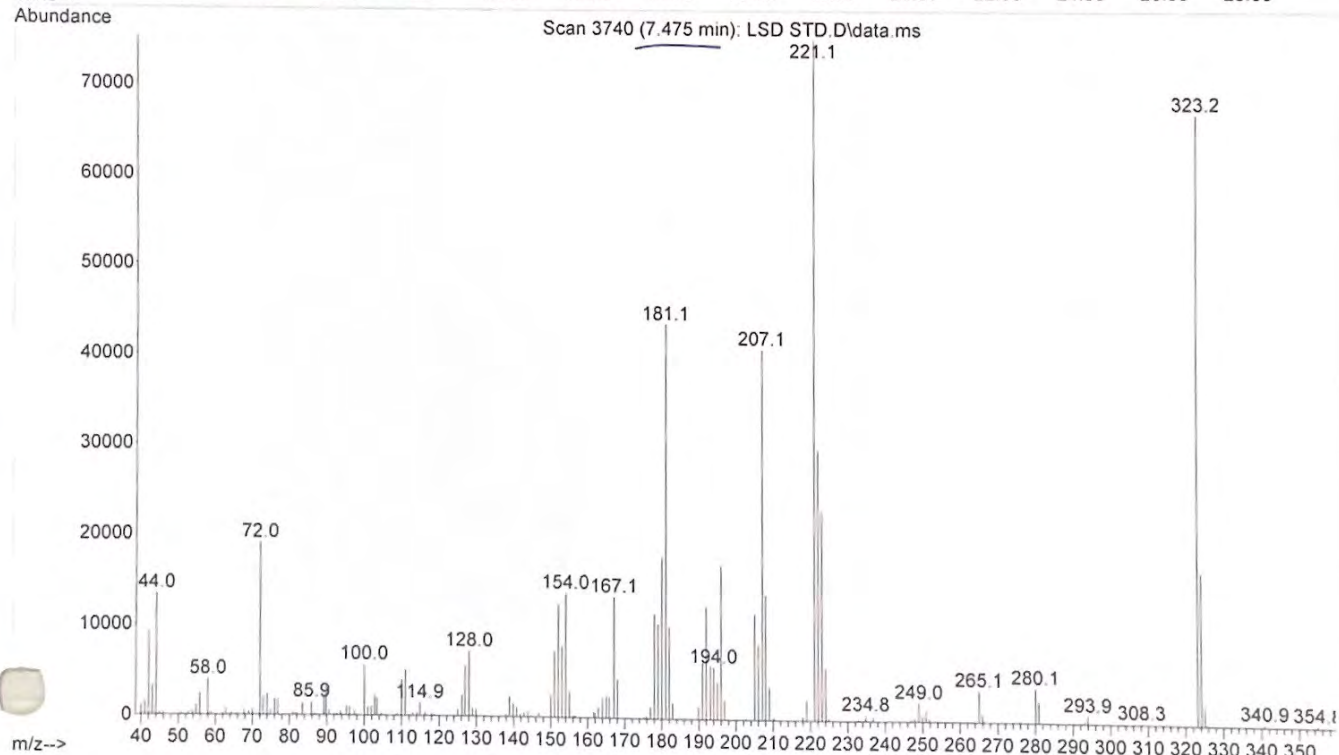
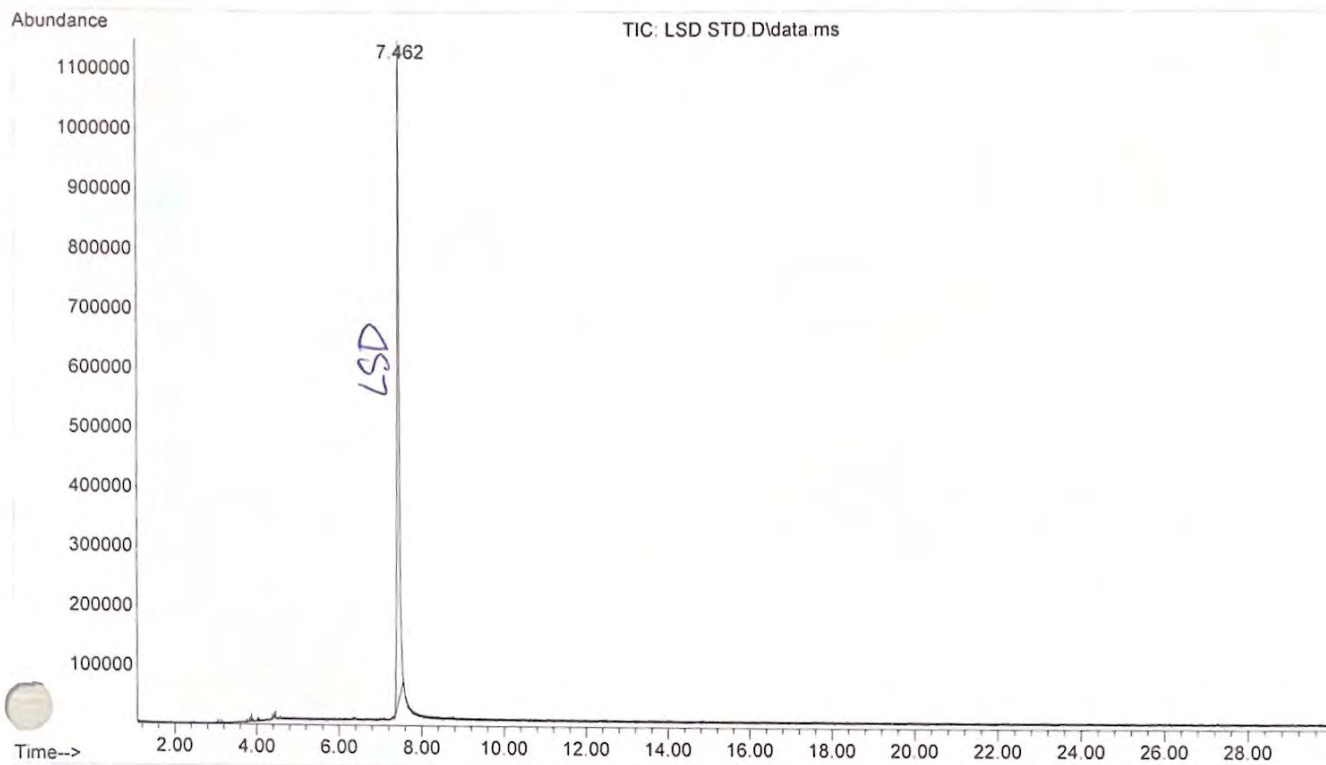
File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGSTI\BUPRENORP
... HINE STD MS TI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 08 Nov 2022 12:35 using AcqMethod ASMSDRUGSTI.M
Sample Name: BUPRENORPHINE STD MS TI
Misc Info : MeOH



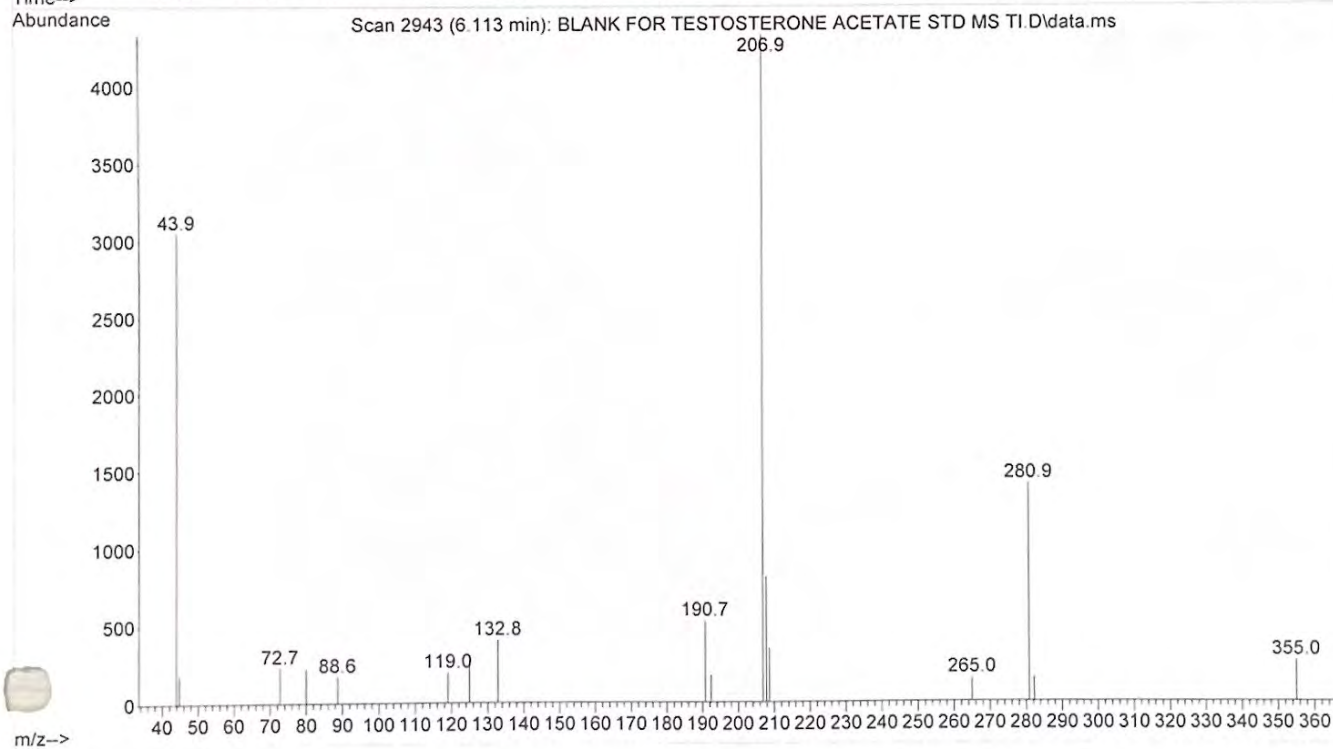
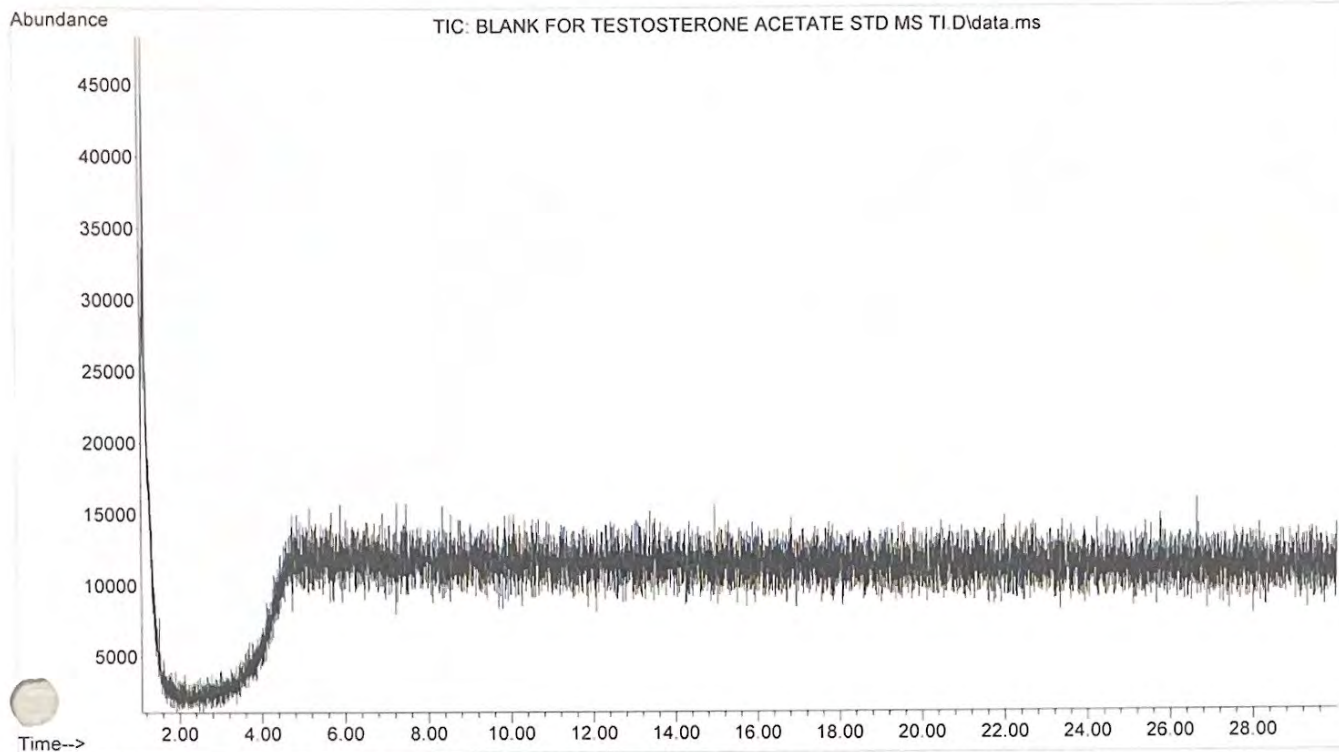
File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGSTI\BLANK LSD
... MS TI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 07 Nov 2022 11:39 using AcqMethod ASMSDRUGSTI.M
Sample Name: BLANK FOR LSD
Misc Info : MeOH



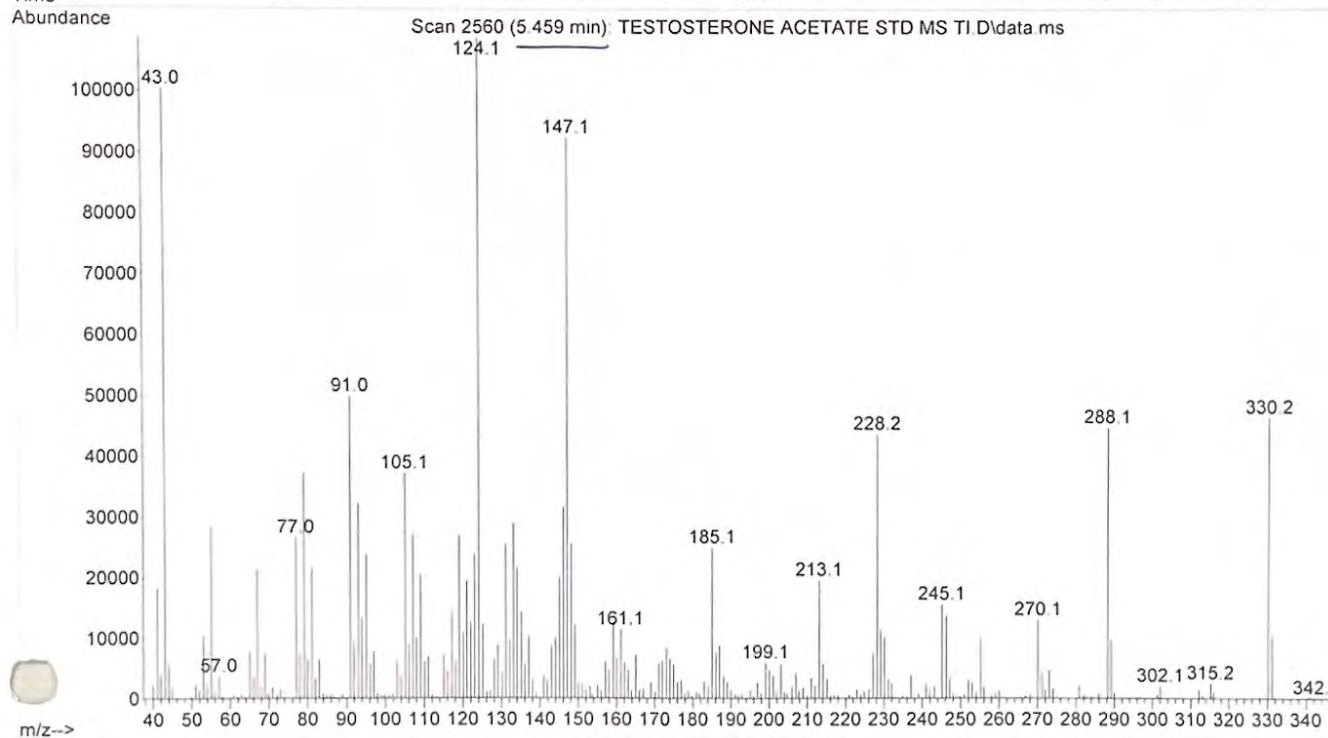
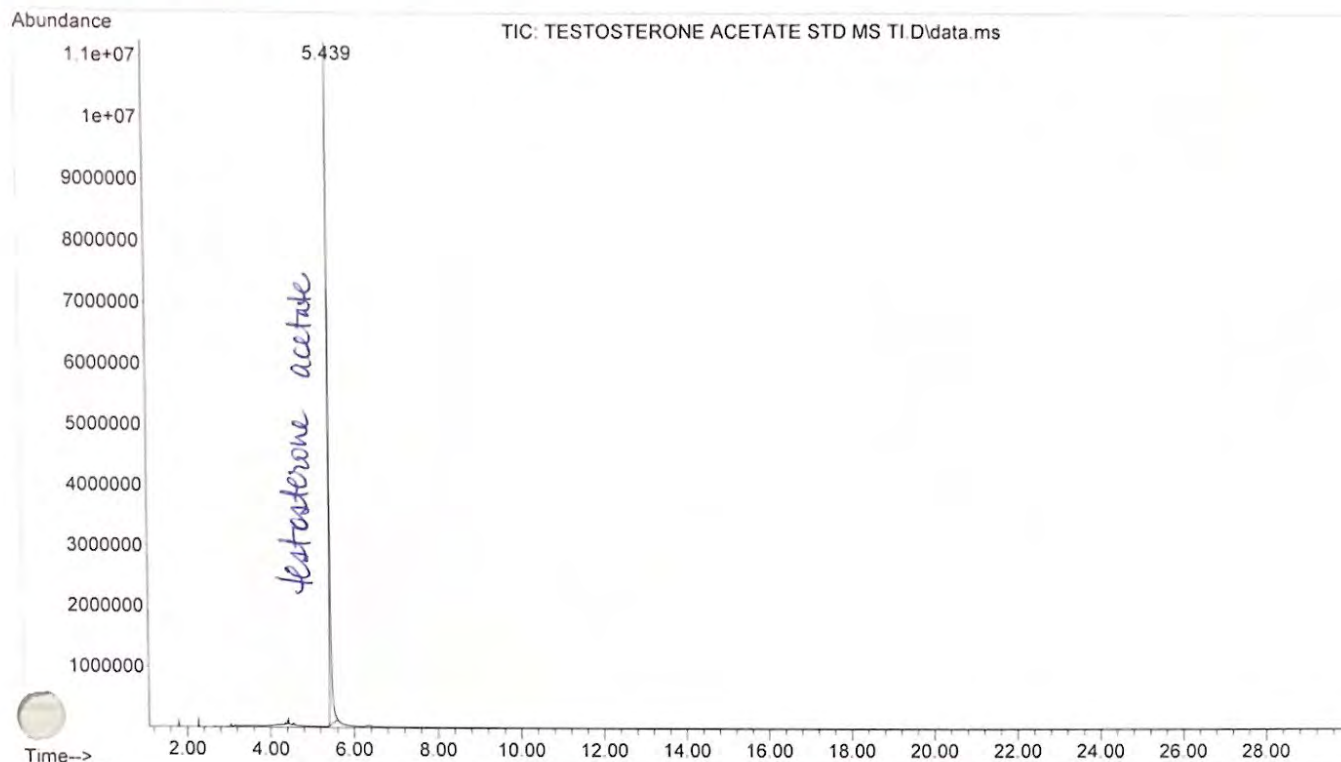
File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGSTI\LSD STD.D
Operator : JEN BACHMAN
Acquired : 07 Nov 2022 12:12 using AcqMethod ASMSDRUGSTI.M
Instrument : Alma
Sample Name: LSD (ASMSDRUGSTI)
Misc Info : MEOH
Vial Number: 2



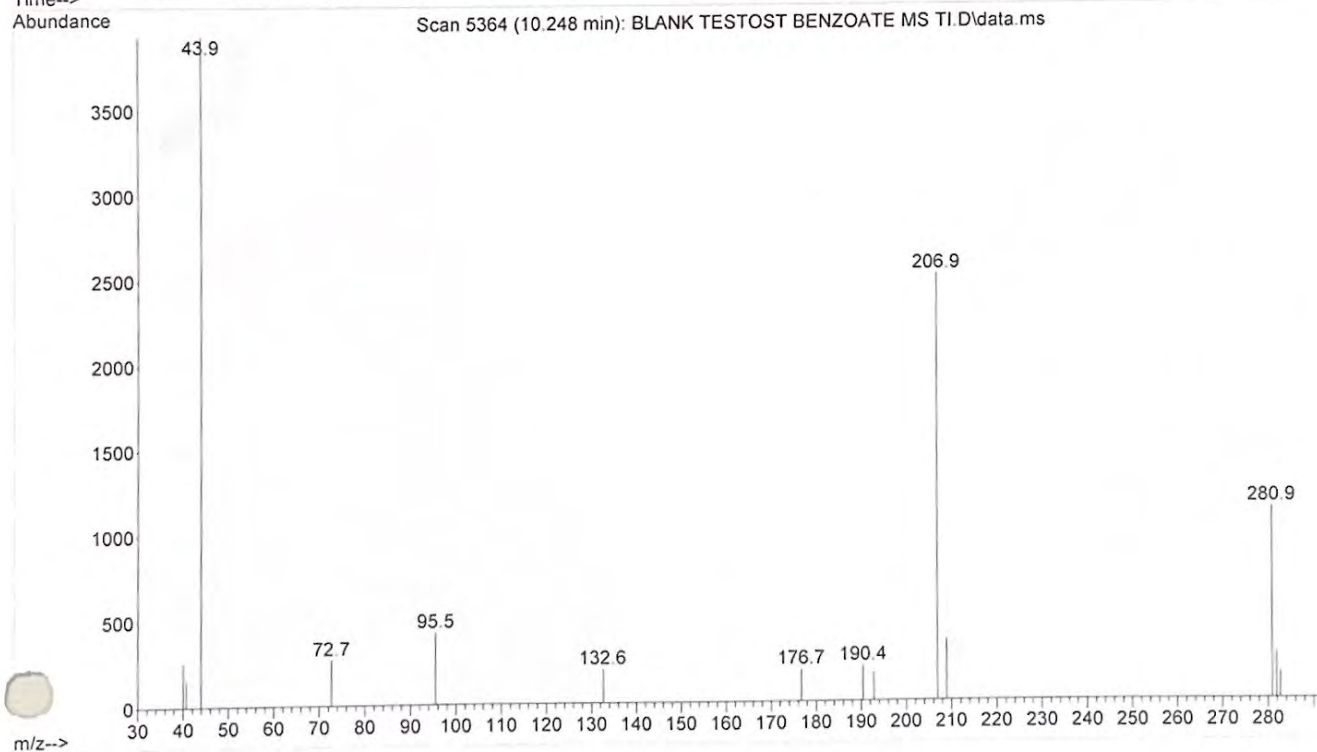
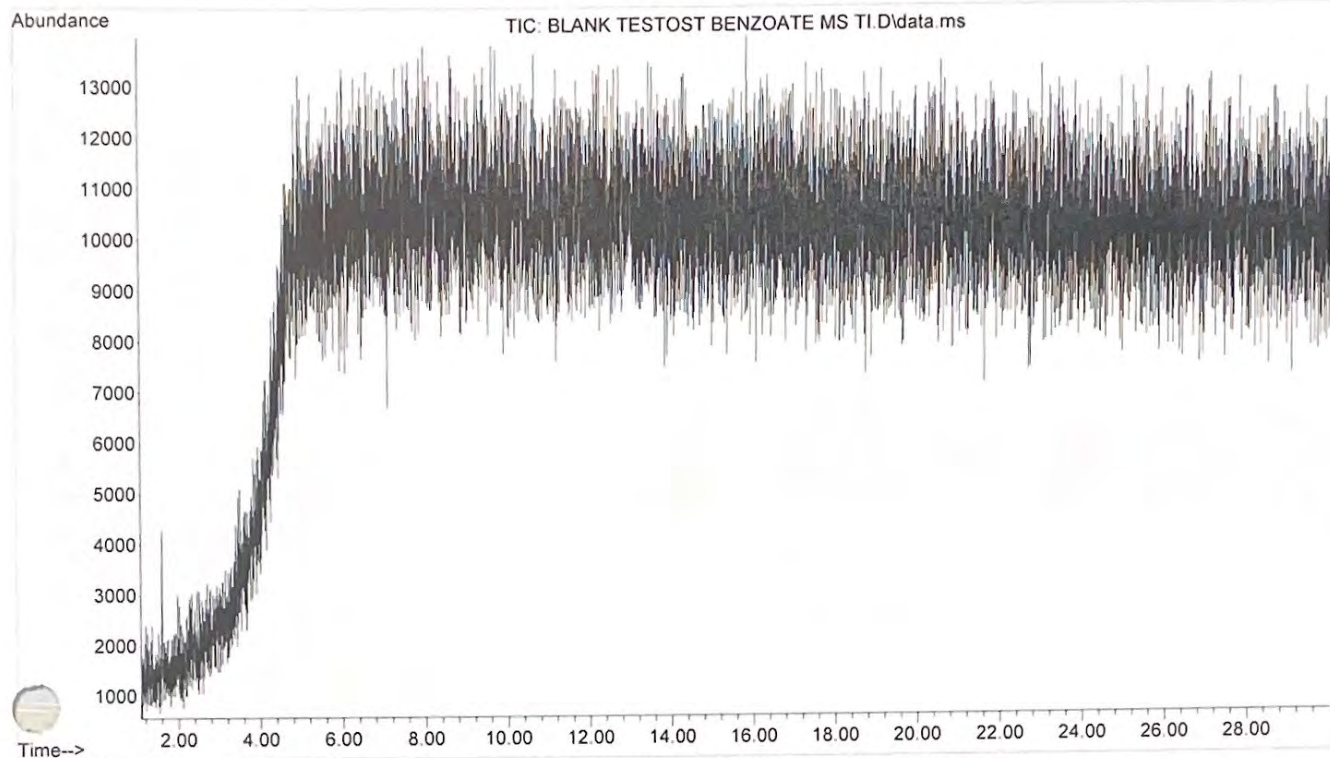
File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGSTI\BLANK FOR
... TESTOSTERONE ACETATE STD MS TI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 04 Nov 2022 21:35 using AcqMethod ASMSDRUGSTI.M
Sample Name: BLANK FOR TESTOSTERONE ACETATE STD MS TI
Misc Info : 0.5N NaOH --> CHCl3



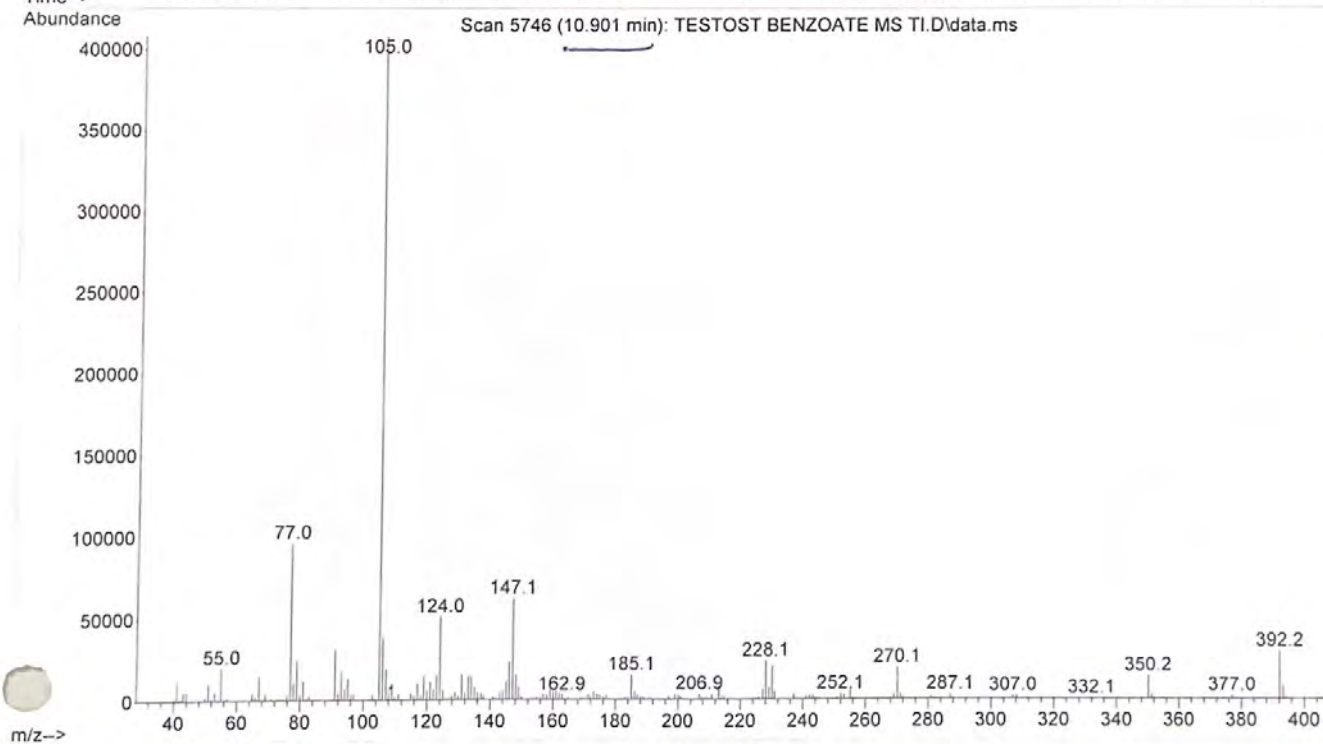
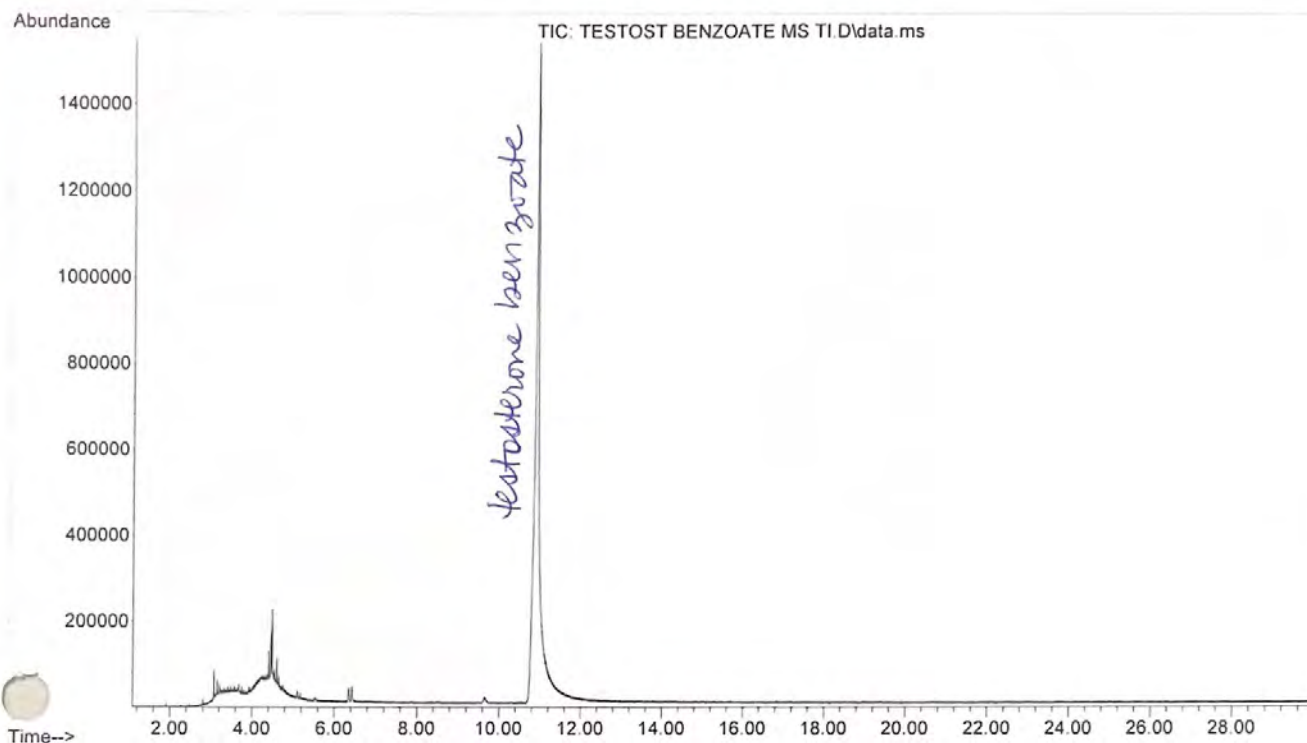
File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGSTI\TESTOSTER
... ONE ACETATE STD MS TI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 04 Nov 2022 22:07 using AcqMethod ASMSDRUGSTI.M
Sample Name: TESTOSTERONE ACETATE STD (MS TI)
Misc Info : 0.5N NaOH --> CHCl3



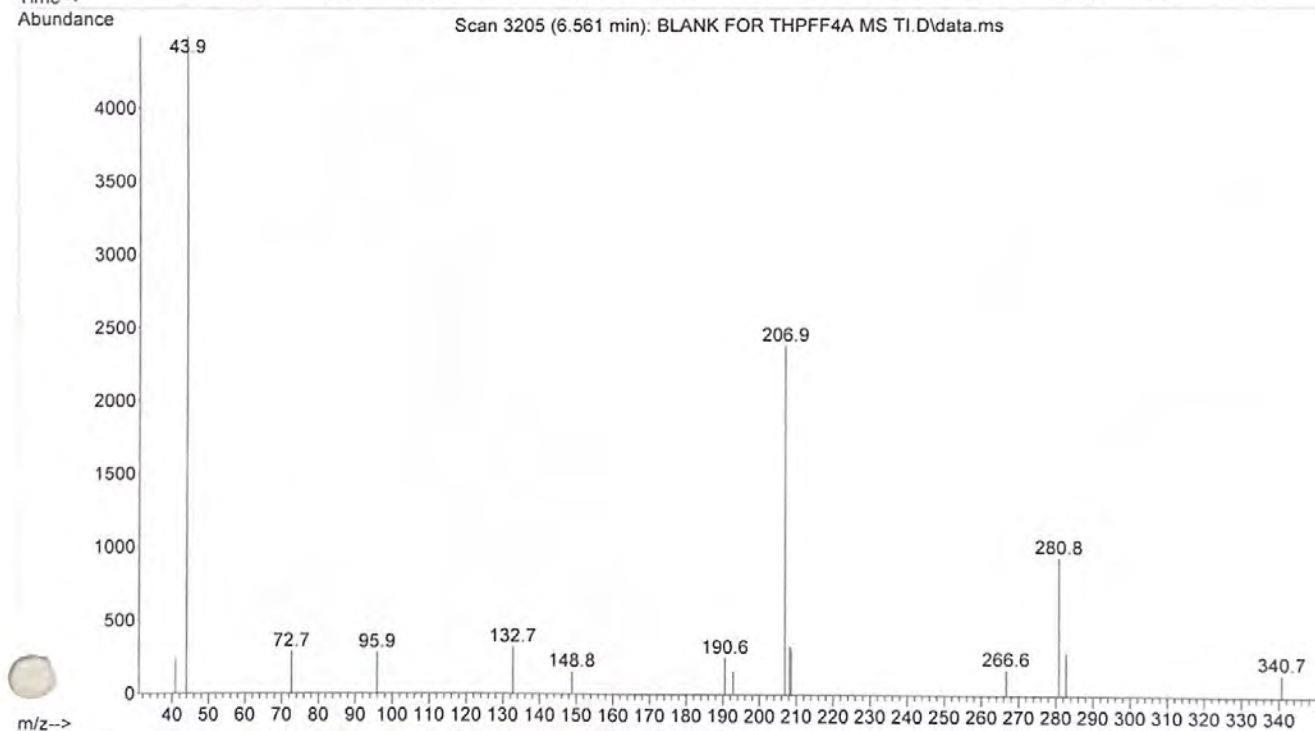
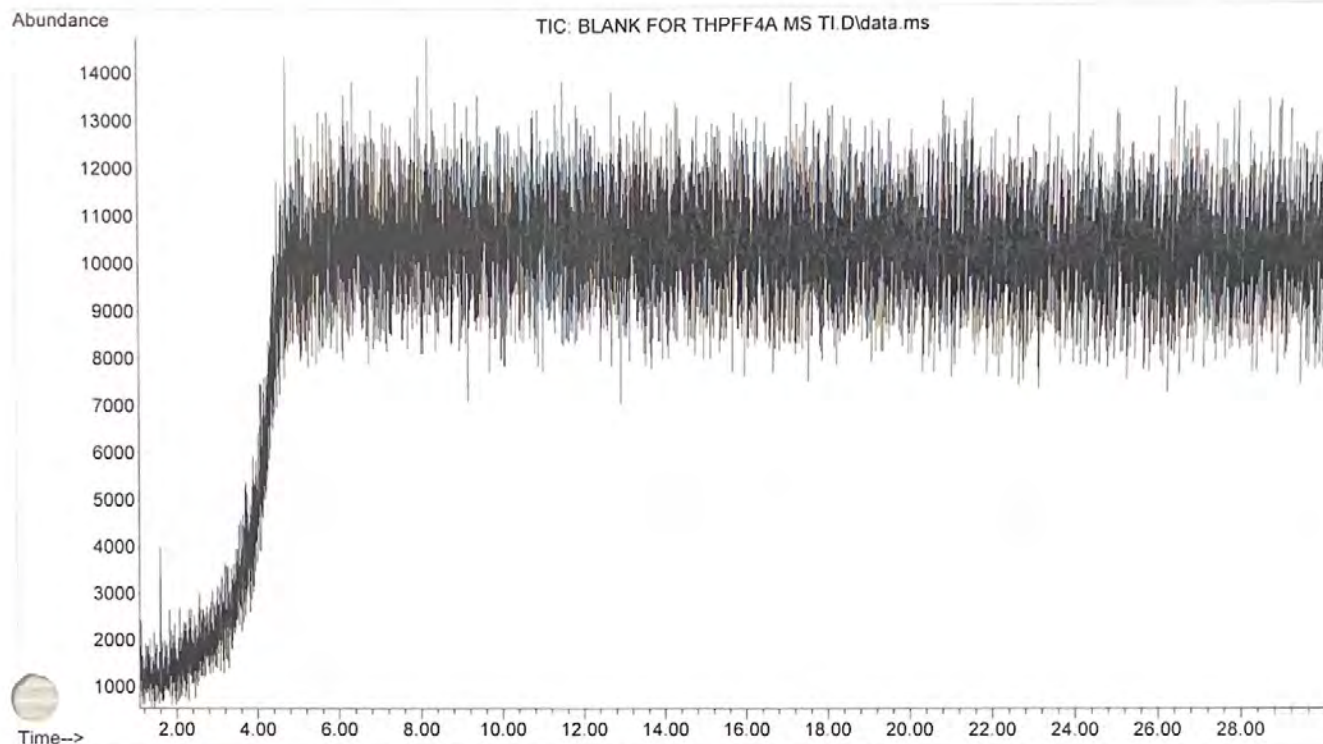
File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGSTI\BLANK TES
... TOST BENZOATE MS TI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 07 Nov 2022 12:58 using AcqMethod ASMSDRUGSTI.M
Sample Name: BLANK FOR TESTOST BENZOATE MS TI
Misc Info : MeOH



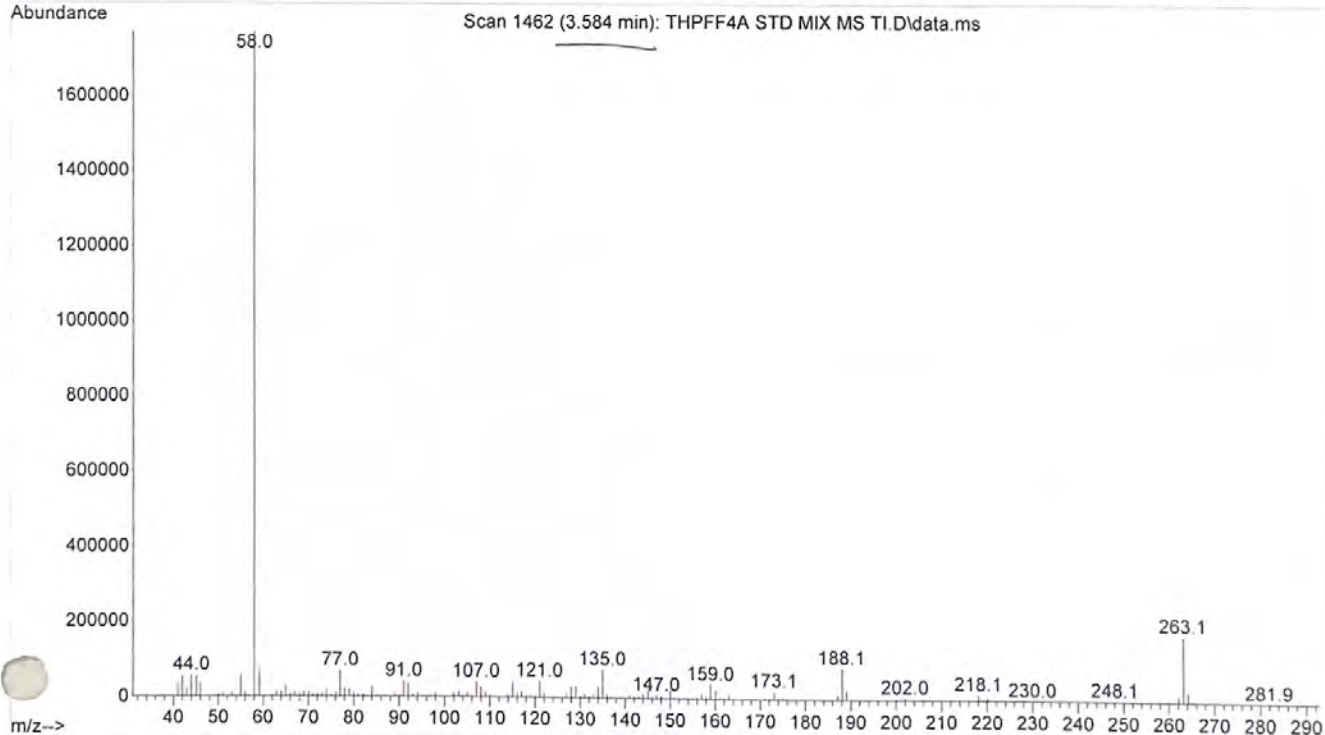
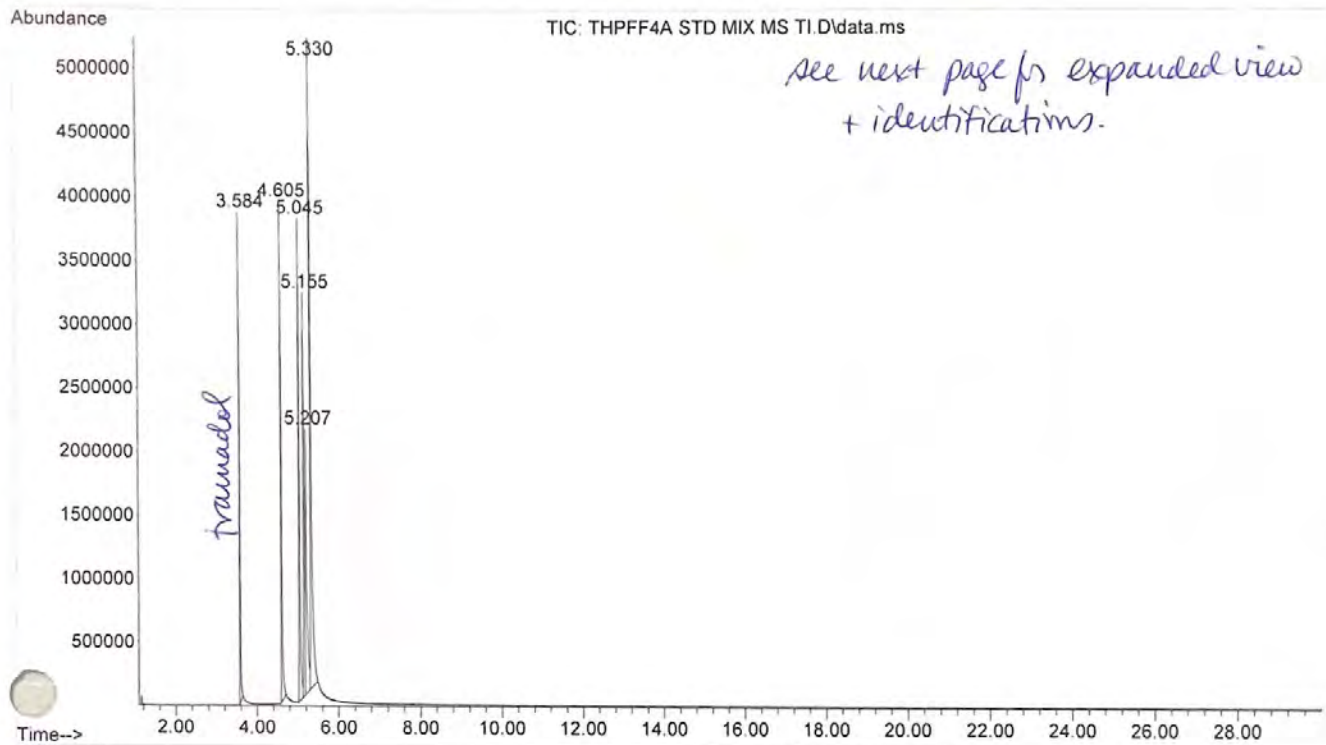
File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGSTI\TESTOST B
... ENZOATE MS TI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 07 Nov 2022 13:30 using AcqMethod ASMSDRUGSTI.M
Sample Name: TESTOSTERONE BENZOATE (ASMSDRUGSTI)
Misc Info : MeOH



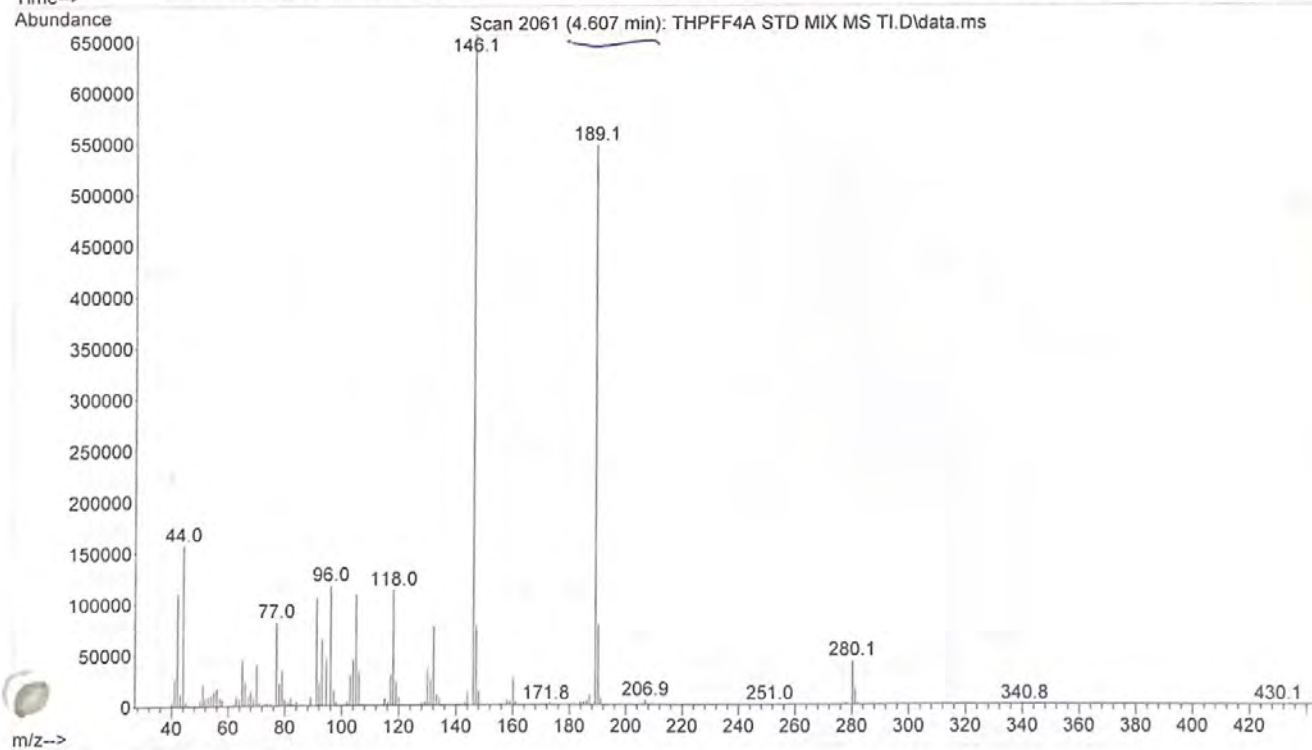
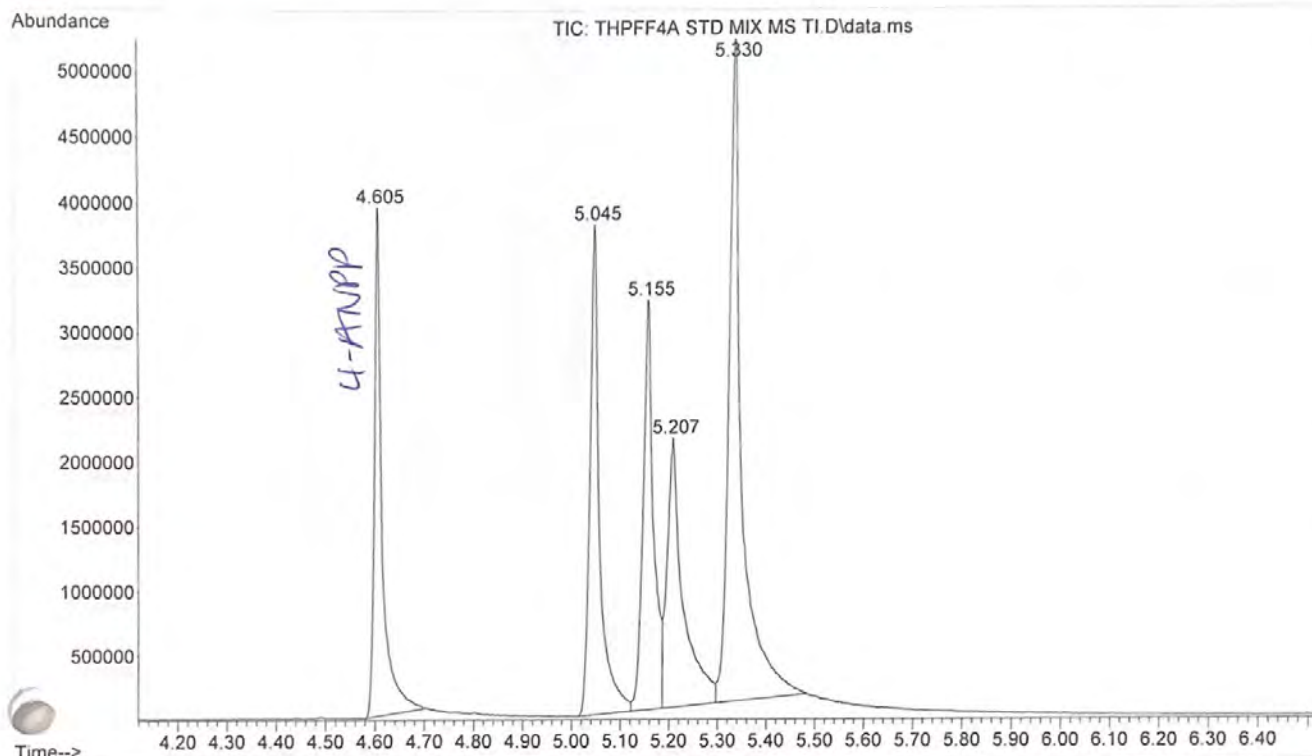
File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGSTI\BLANK FOR
... THPFF4A MS TI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 07 Nov 2022 14:16 using AcqMethod ASMSDRUGSTI.M
Sample Name: BLANK FOR THPFF4A
Misc Info : MeOH



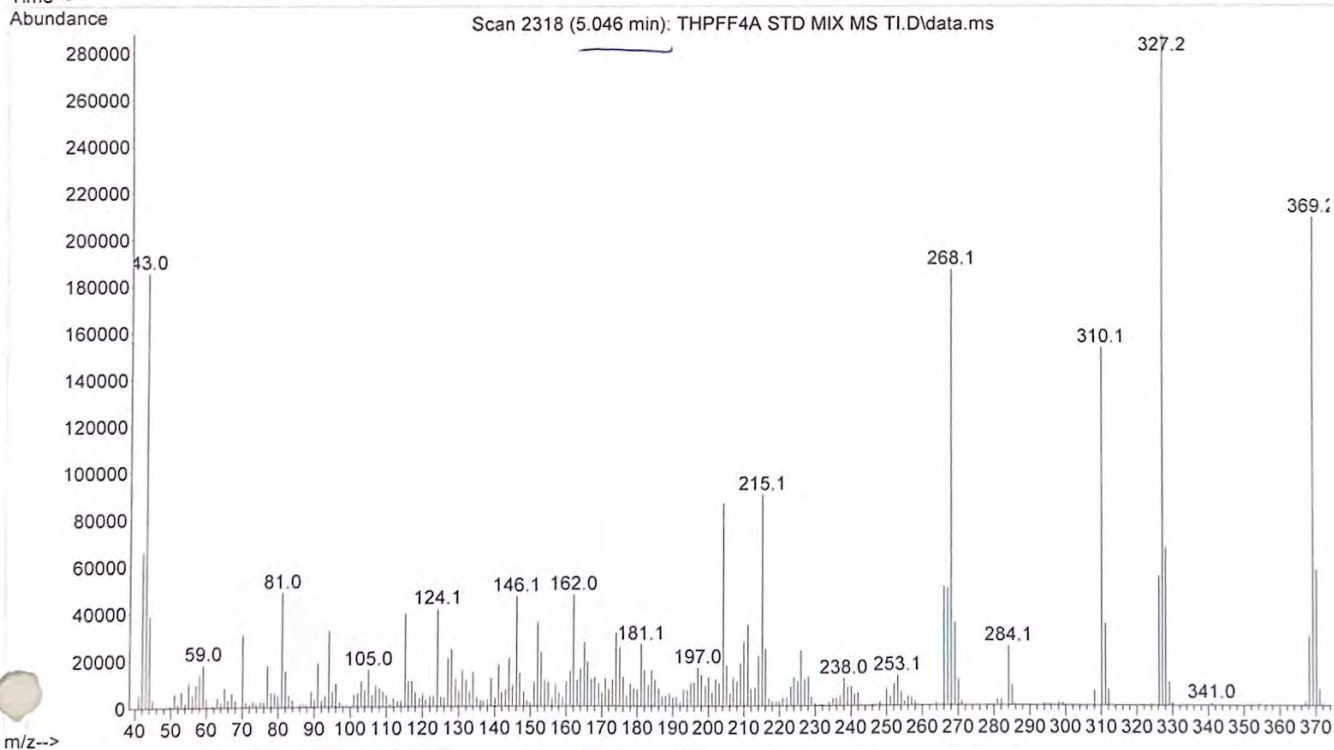
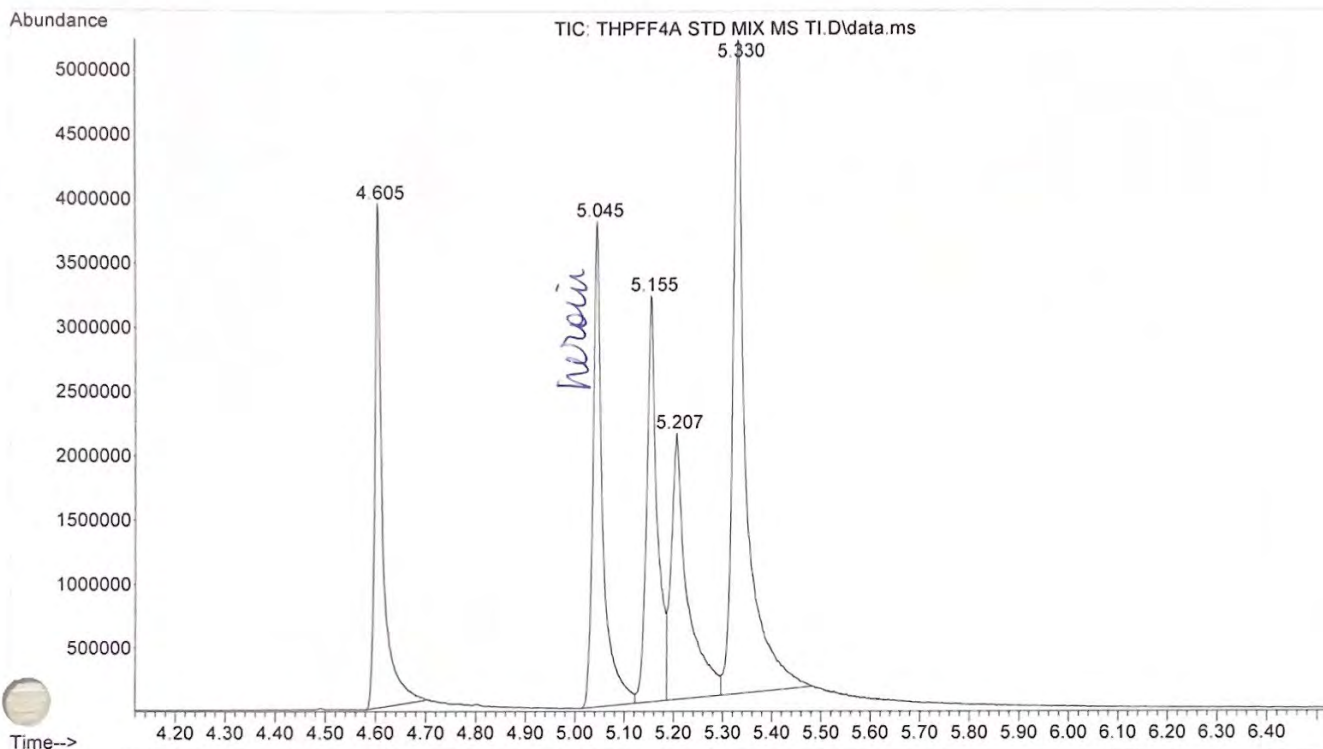
File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGSTI\THPFF4A S
... TD MIX MS TI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 07 Nov 2022 14:49 using AcqMethod ASMSDRUGSTI.M
Sample Name: THPFF4A STANDARD MIX
Misc Info : MeOH



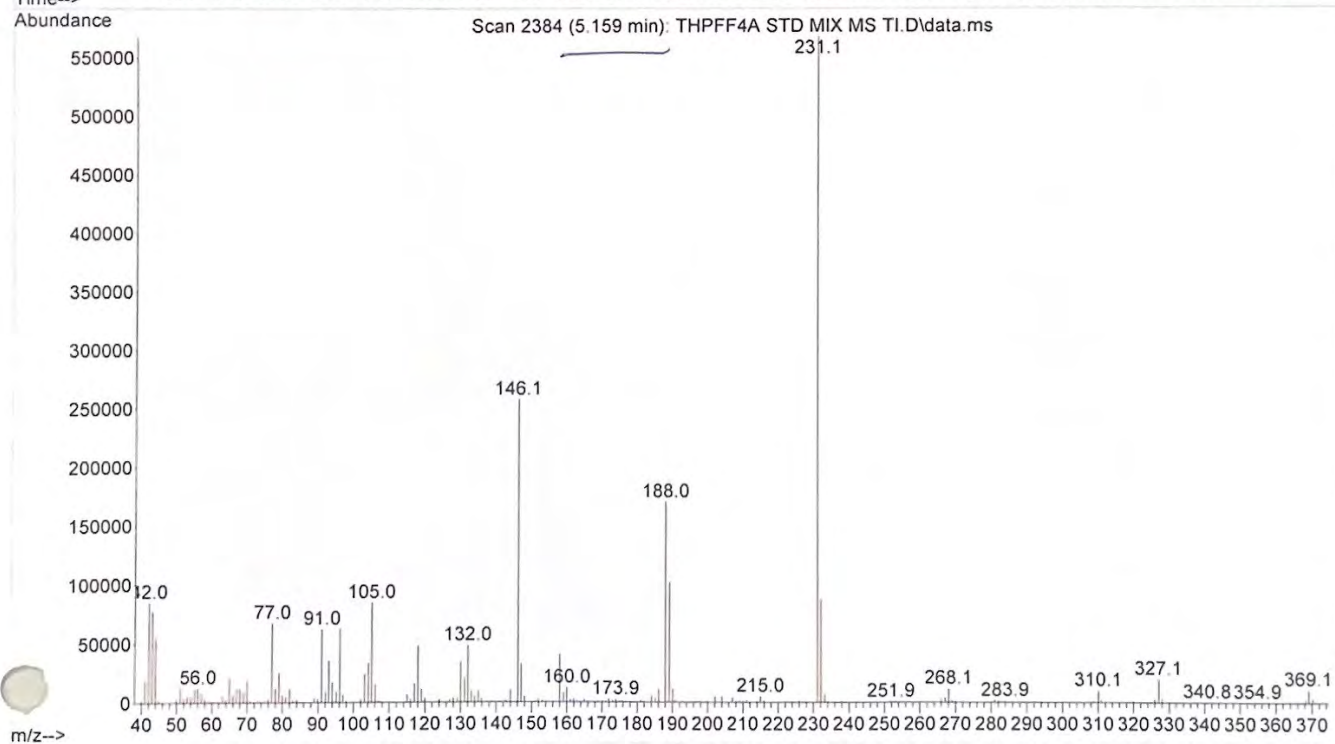
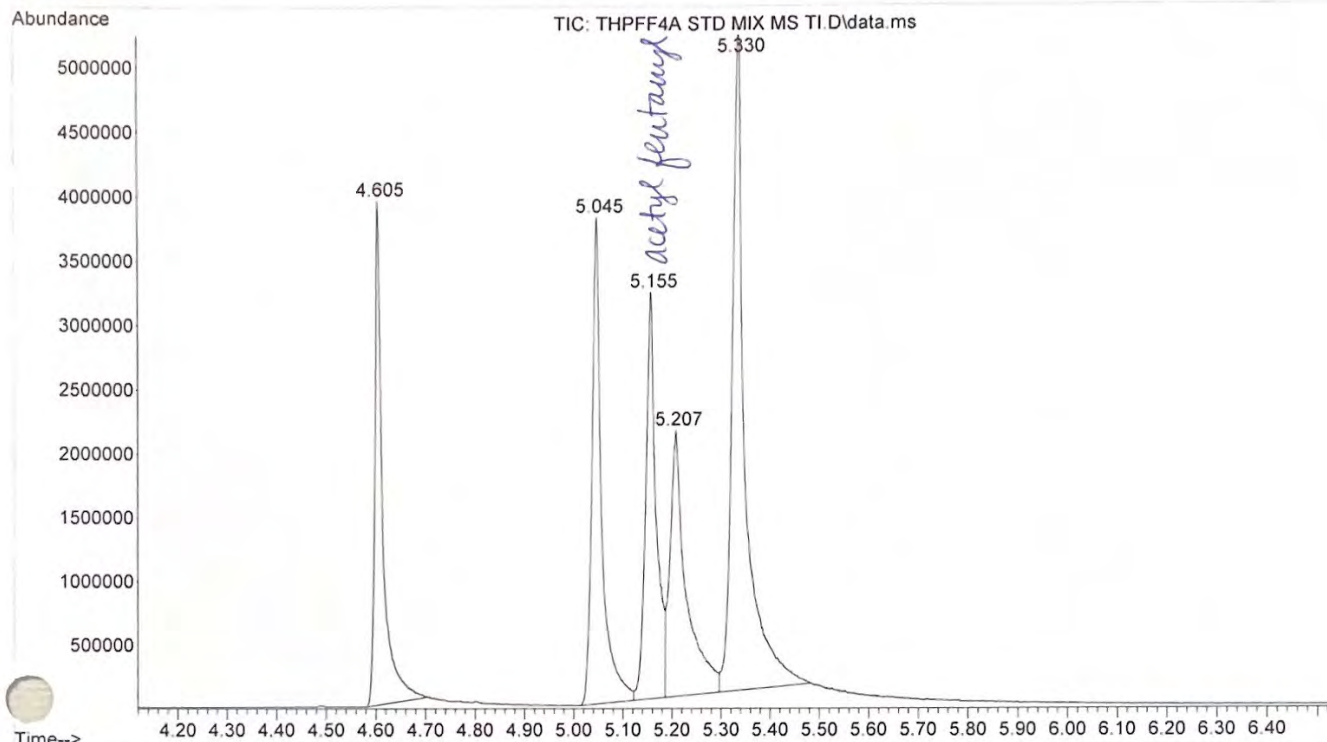
File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGSTI\THPFF4A S
... TD MIX MS TI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 07 Nov 2022 14:49 using AcqMethod ASMSDRUGSTI.M
Sample Name: THPFF4A STANDARD MIX
Misc Info : MeOH



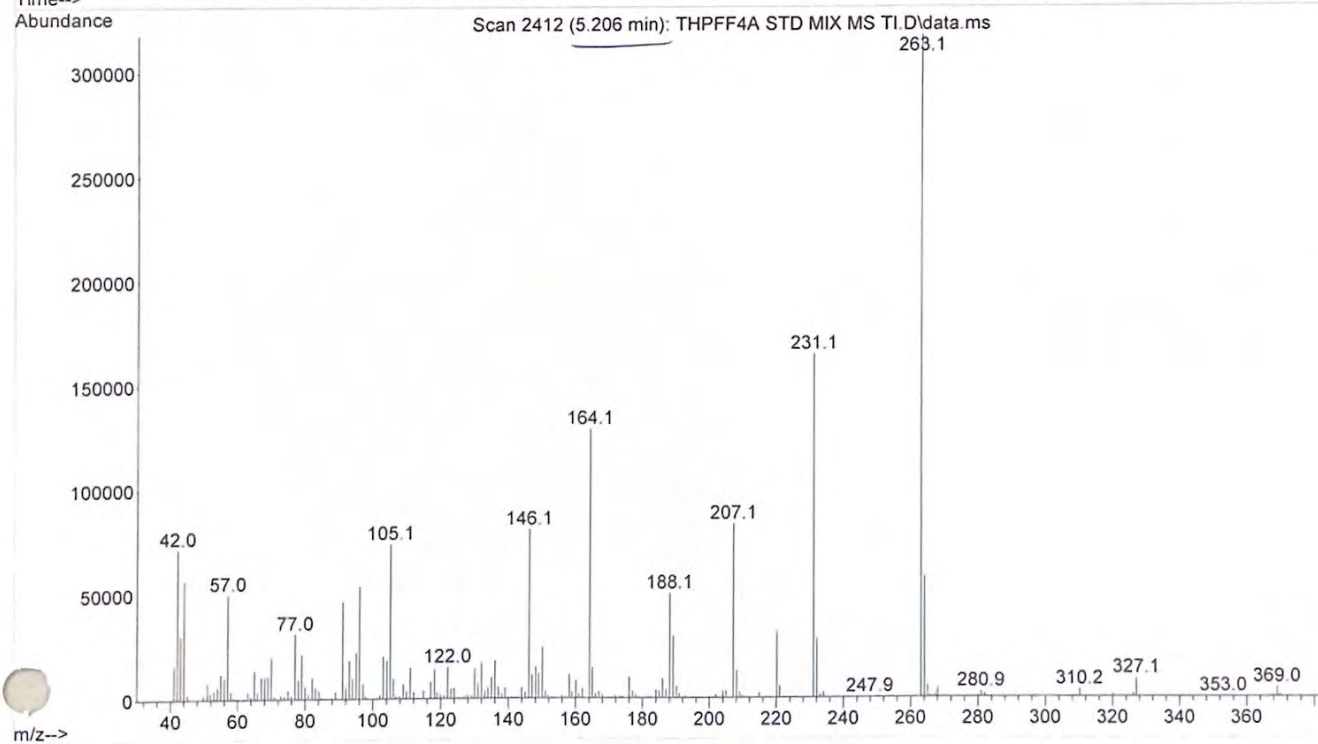
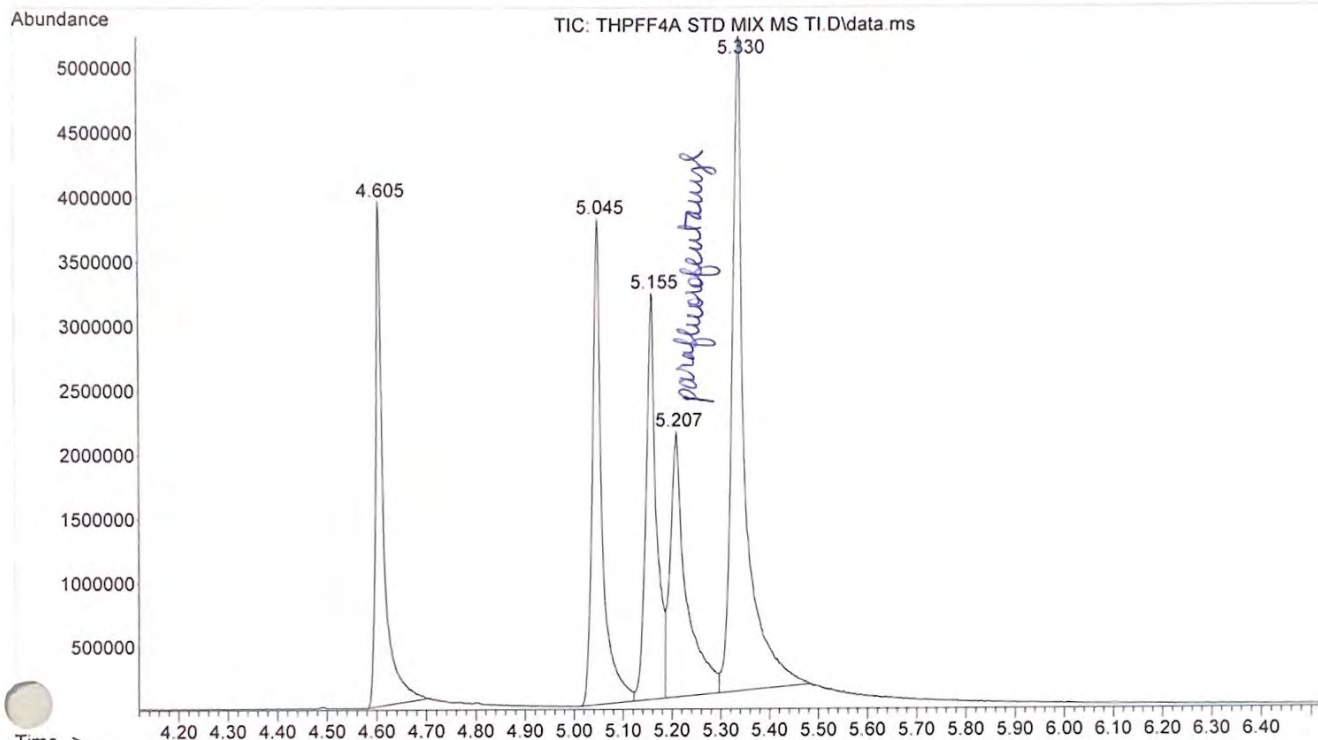
File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGSTI\THPFF4A S
... TD MIX MS TI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 07 Nov 2022 14:49 using AcqMethod ASMSDRUGSTI.M
Sample Name: THPFF4A STANDARD MIX
Misc Info : MeOH



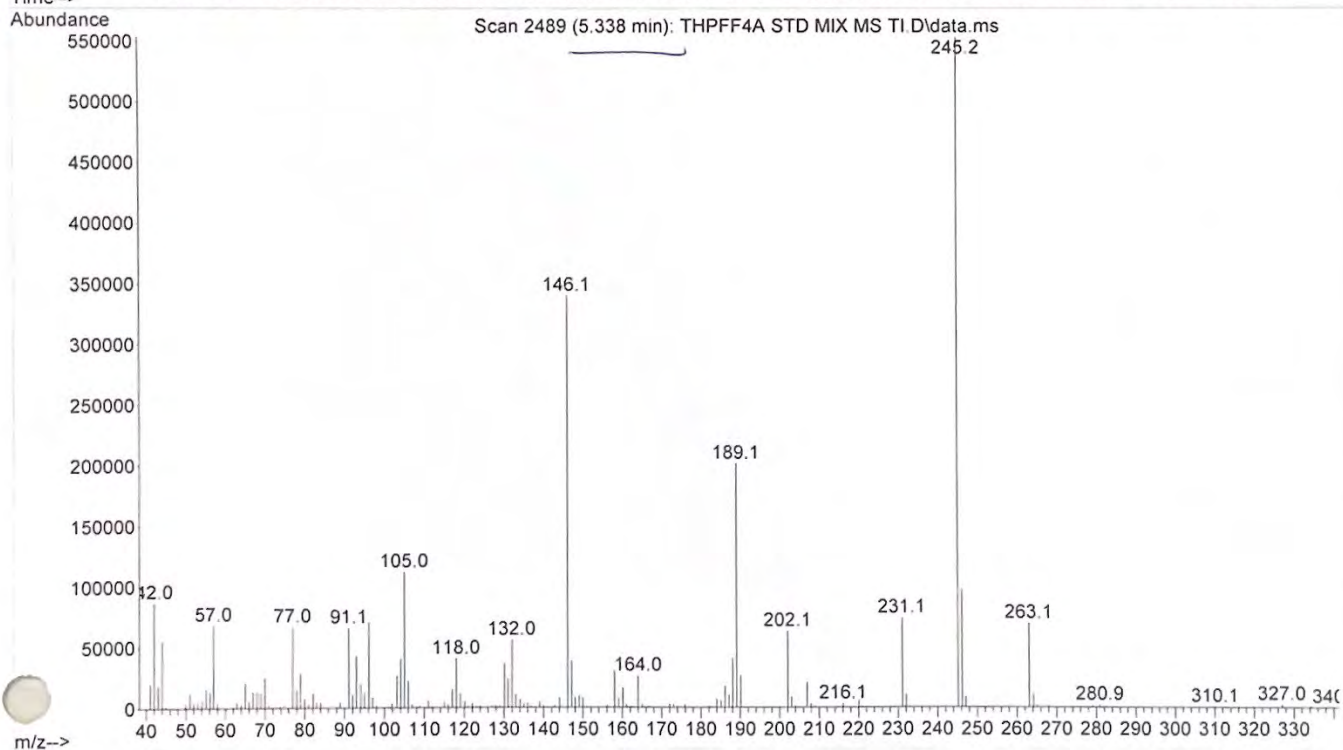
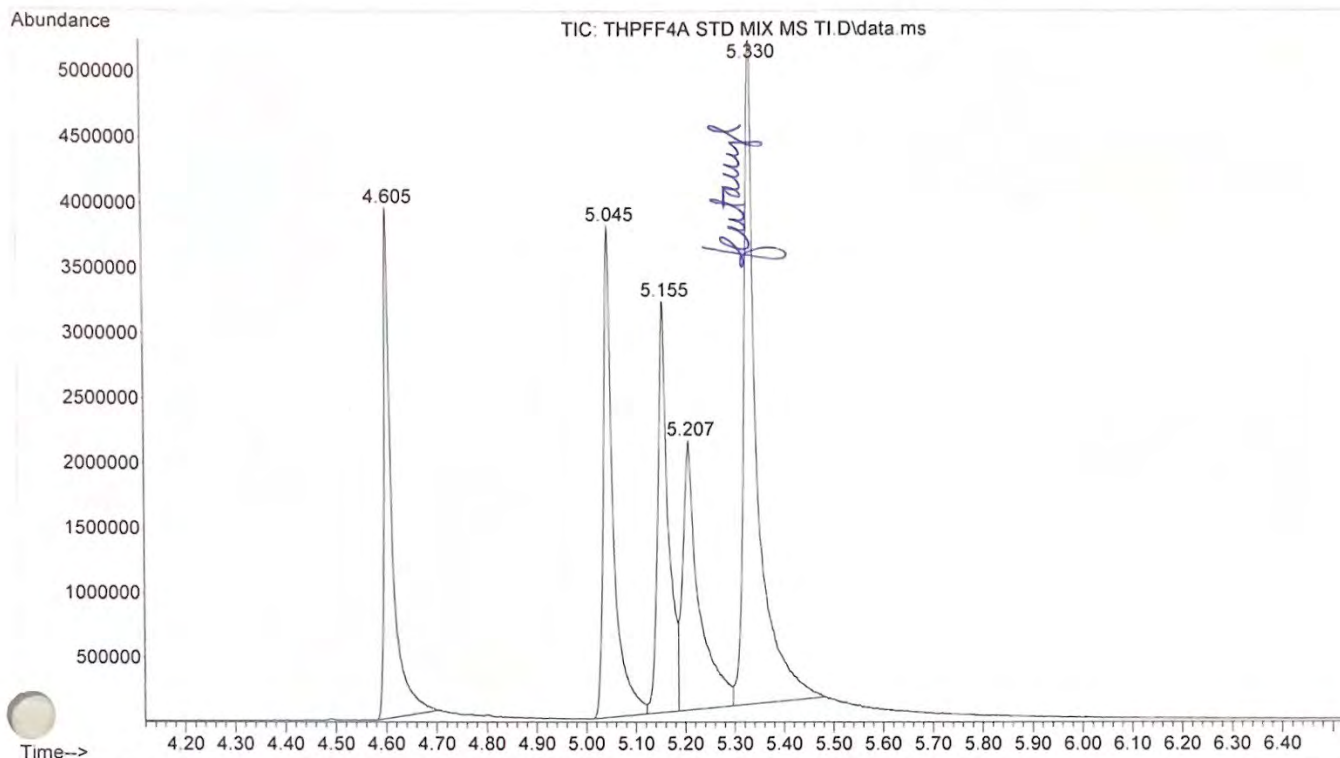
File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGSTI\THPFF4A S
... TD MIX MS TI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 07 Nov 2022 14:49 using AcqMethod ASMSDRUGSTI.M
Sample Name: THPFF4A STANDARD MIX
Misc Info : MeOH



File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGSTI\THPFF4A S
... TD MIX MS TI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 07 Nov 2022 14:49 using AcqMethod ASMSDRUGSTI.M
Sample Name: THPFF4A STANDARD MIX
Misc Info : MeOH



File :D:\MassHunter\GCMS\1\data\Standards --\ASMSDRUGSTI\THPFF4A S
... TD MIX MS TI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 07 Nov 2022 14:49 using AcqMethod ASMSDRUGSTI.M
Sample Name: THPFF4A STANDARD MIX
Misc. Info : MeOH



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

INSTRUMENT CONTROL PARAMETERS: Alma

D:\MassHunter\GCMS\1\methods\ASMS280ISO.M
Tue Nov 29 12:06:17 2022

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 70 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 19 min

Equilibration Time 0.25 min
* Temperature 325 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS

Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 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 3000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 3000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.5 µL

Solvent Wash Mode

Back Injector
Syringe Size
Injection Volume
Solvent A Washes (PreInj)
Solvent A Washes (PostInj)
Solvent A Volume
Solvent B Washes (PreInj)
Solvent B Washes (PostInj)
Solvent B Volume
Sample Washes
Sample Wash Volume
Sample Pumps
Dwell Time (PreInj)
Dwell Time (PostInj)
Solvent Wash Draw Speed
Solvent Wash Dispense Speed
Sample Wash Draw Speed
Sample Wash Dispense Speed
Injection Dispense Speed
Viscosity Delay
Sample Depth
Injection Type
L1 Airgap
Solvent Wash Mode

A, B

10 µL
1 µL
0
0
8 µL
0
0
8 µL
0
8 µL
0
0 min
0 min
300 µL/min
6000 µL/min
300 µL/min
6000 µL/min
6000 µL/min
0 sec
Disabled
Standard
0.2 µL
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 300 °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
0.57353 mL/min

Column Information	Agilent 19091S-602
Description	HP-lms
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
In	Front SS Inlet He
Out	MSD
(Initial)	280 °C
Pressure	17.5 psi
Flow	0.82271 mL/min
Average Velocity	55.81 cm/sec
Holdup Time	0.37329 min
Control Mode	Constant Flow

Column #2	
Pressure	On
Setpoint	8.5 psi
(Initial)	
Post Run	10 psi

Column Information	Agilent 19091S-913
Description	HP-lms
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: US2227M017

Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
34.899	:	REPELLER	
90.331	:	IONFOCUS	
27.717	:	ENTRANCE_LENS	
1057.682	:	EMVOLTS	
		1094.9	: Actual EMV
		1.00	: GAIN FACTOR
3306.000	:	AMUGAIN	
141.563	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
9.621	:	ENTLENSOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
507.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT 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
------	---------------	-----------

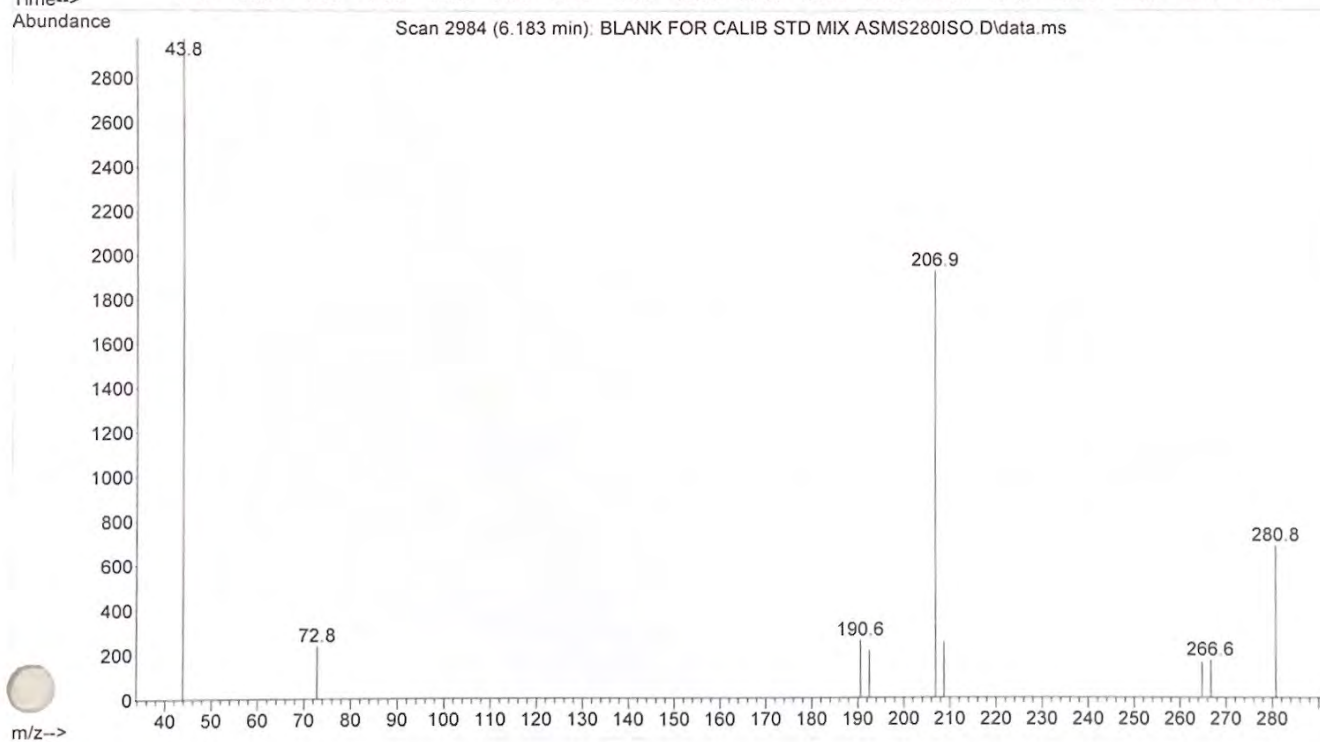
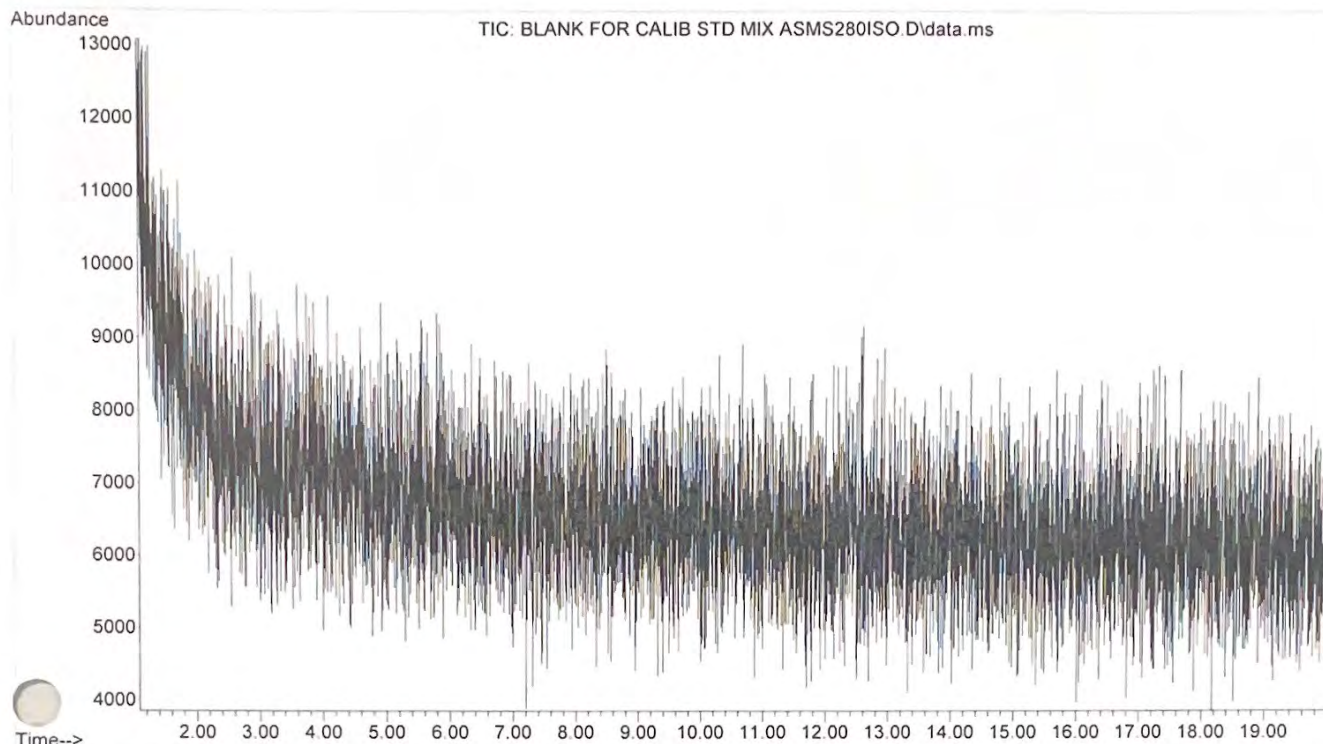
Real-Time Plots

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	50	550

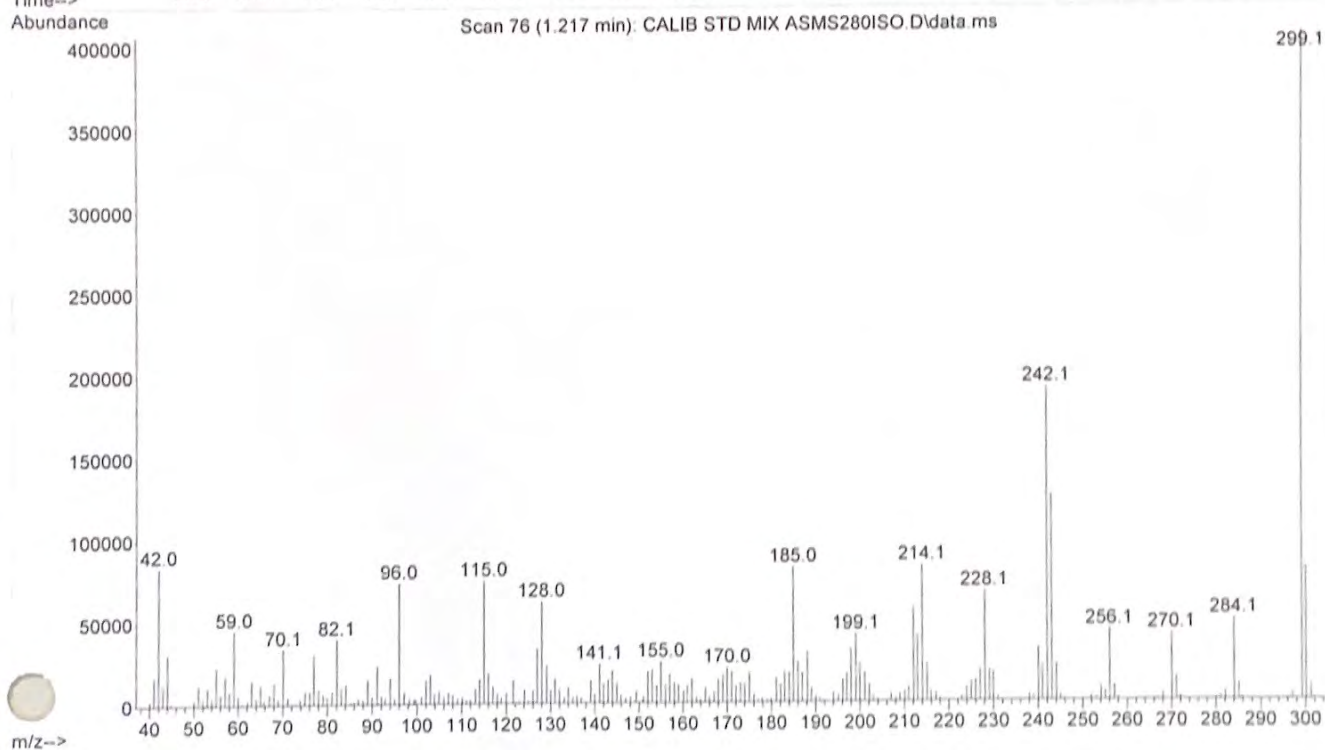
Self-Cleaning Ion Source Parameters

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

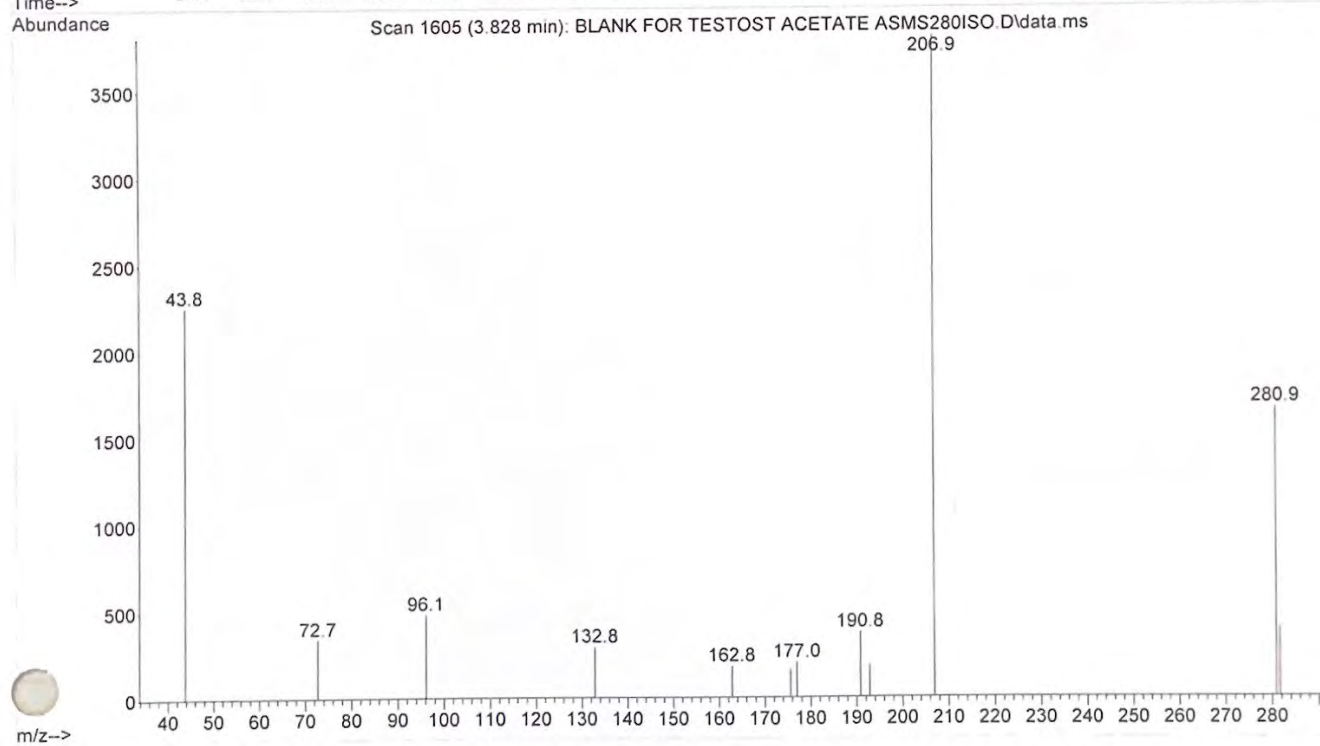
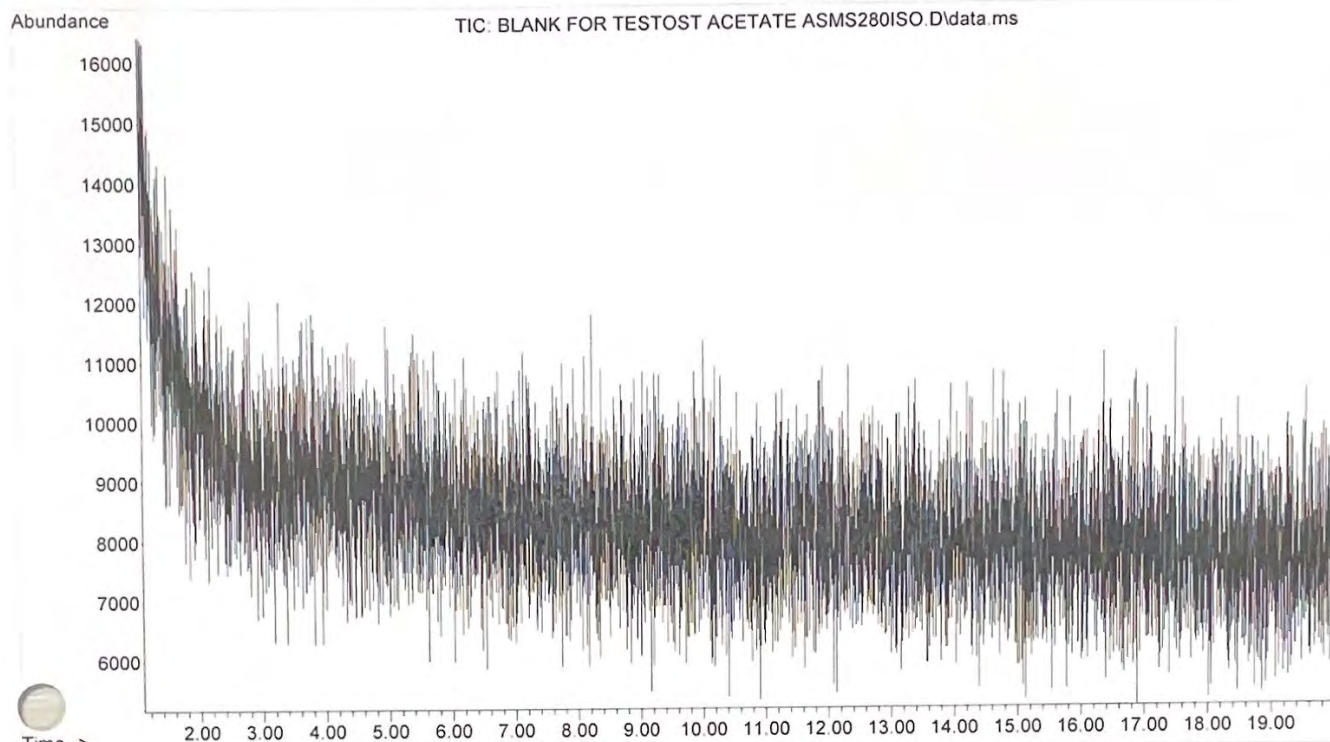
File :D:\MassHunter\GCMS\1\data\Standards --\ASMS280ISO\BLANK FOR
... CALIB STD MIX ASMS280ISO.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 08 Nov 2022 13:21 using AcqMethod ASMS280ISO.M
Sample Name: BLANK FOR CALIB STD MIX ASMS280ISO
Misc Info : MeOH



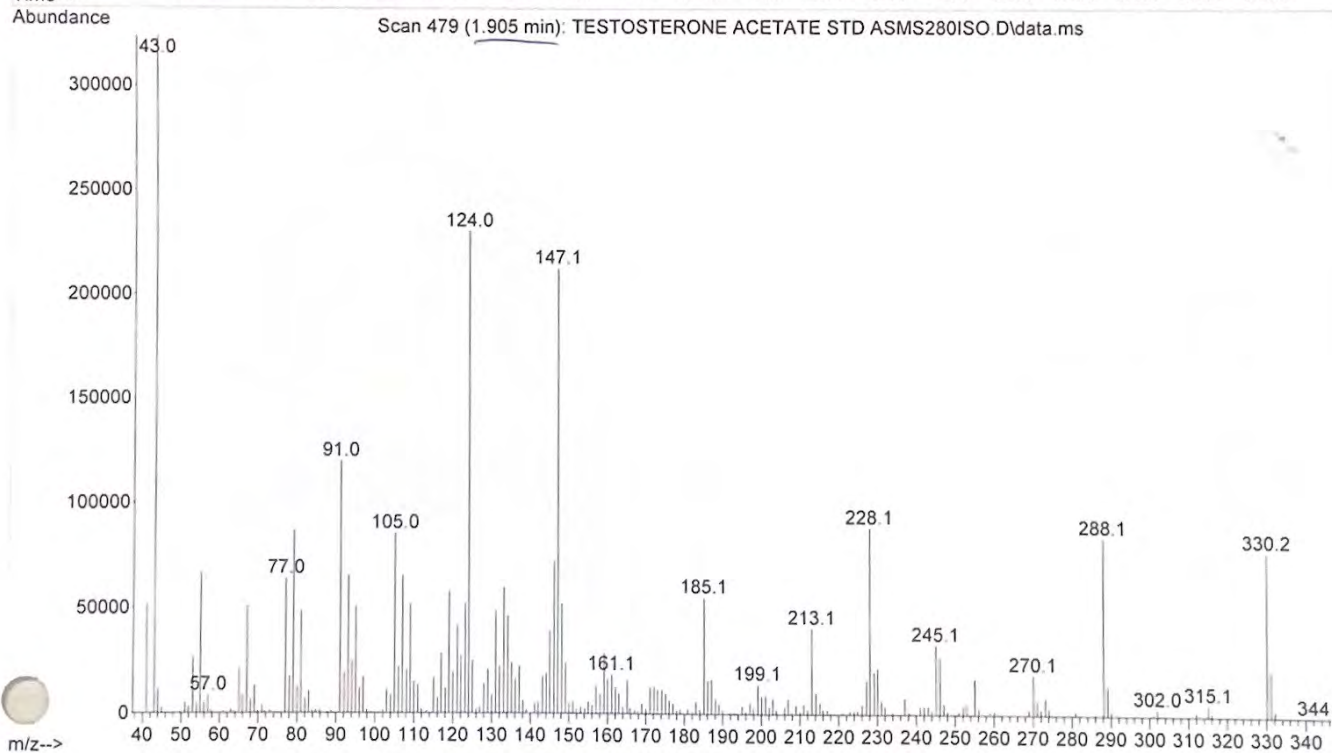
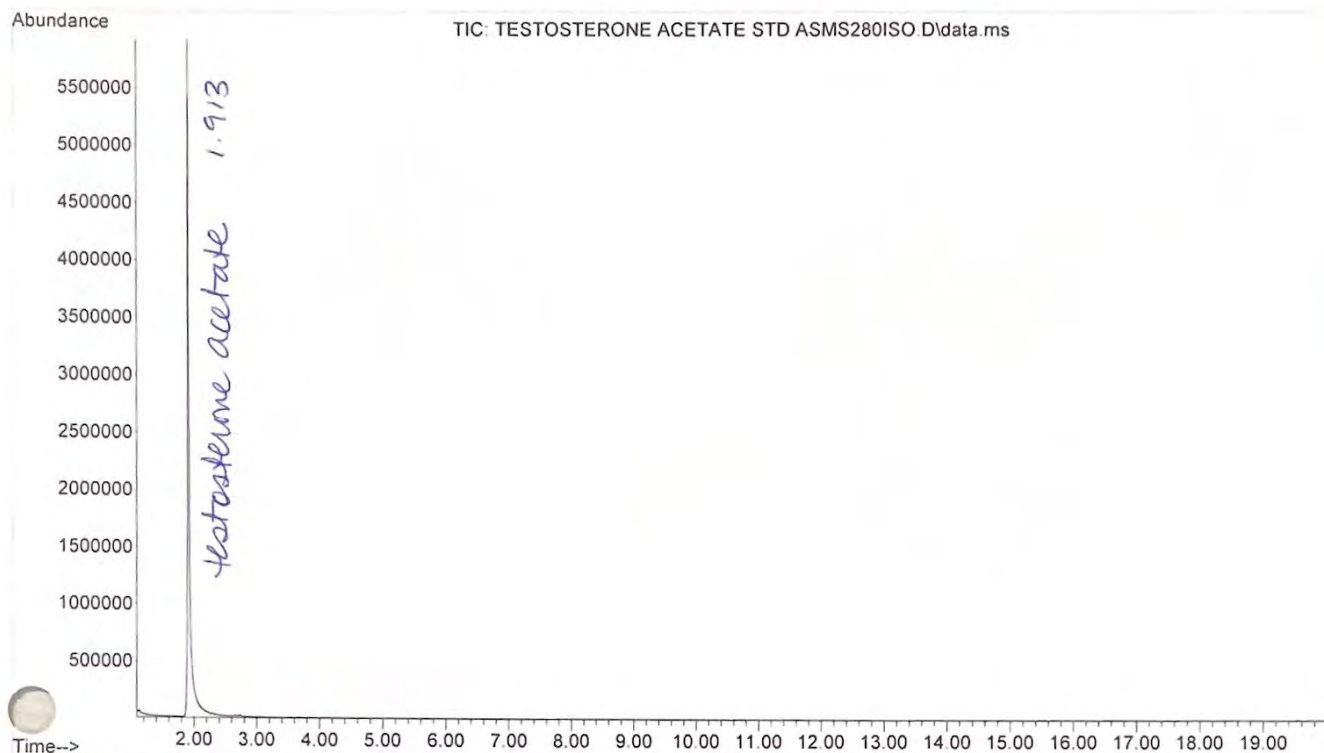
File :D:\MassHunter\GCMS\1\data\Standards --\ASMS280ISO\CALIB STD
... MIX ASMS280ISO.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 08 Nov 2022 13:43 using AcqMethod ASMS280ISO.M
Sample Name: CALIB STD MIX ASMS280ISO
Misc Info : MeOH



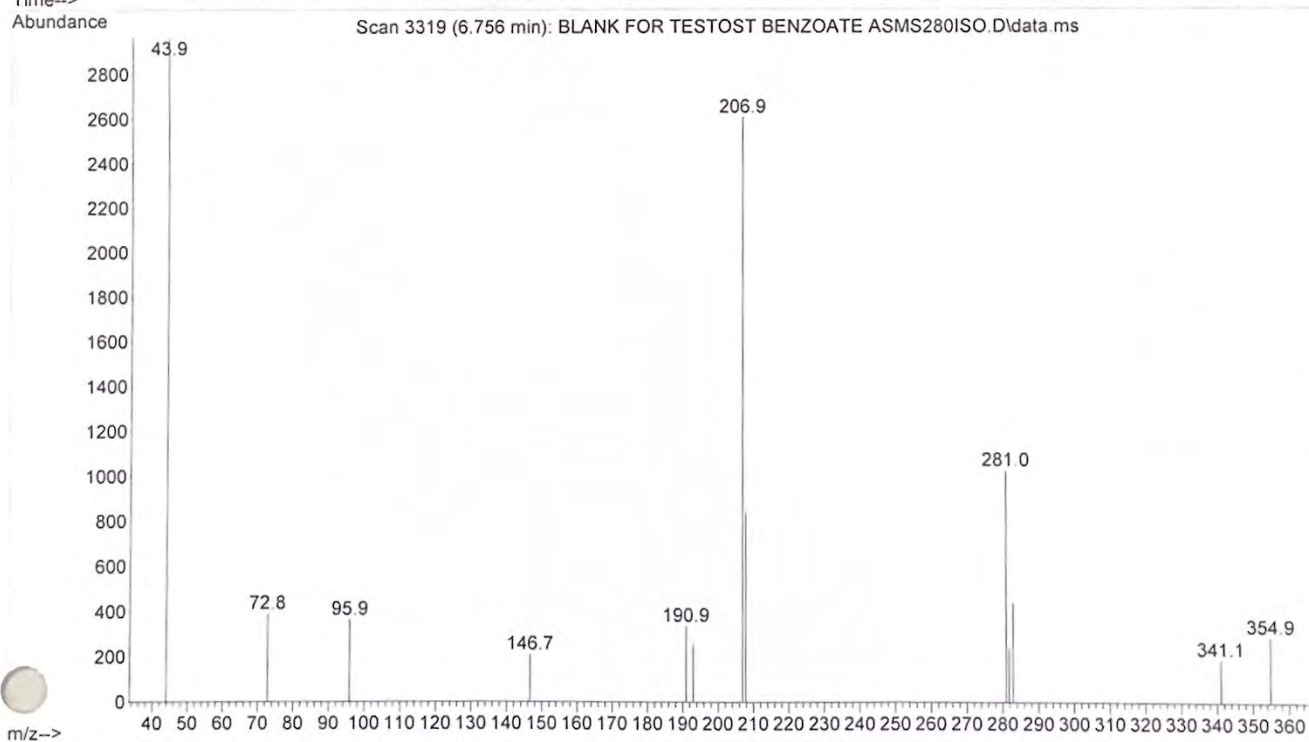
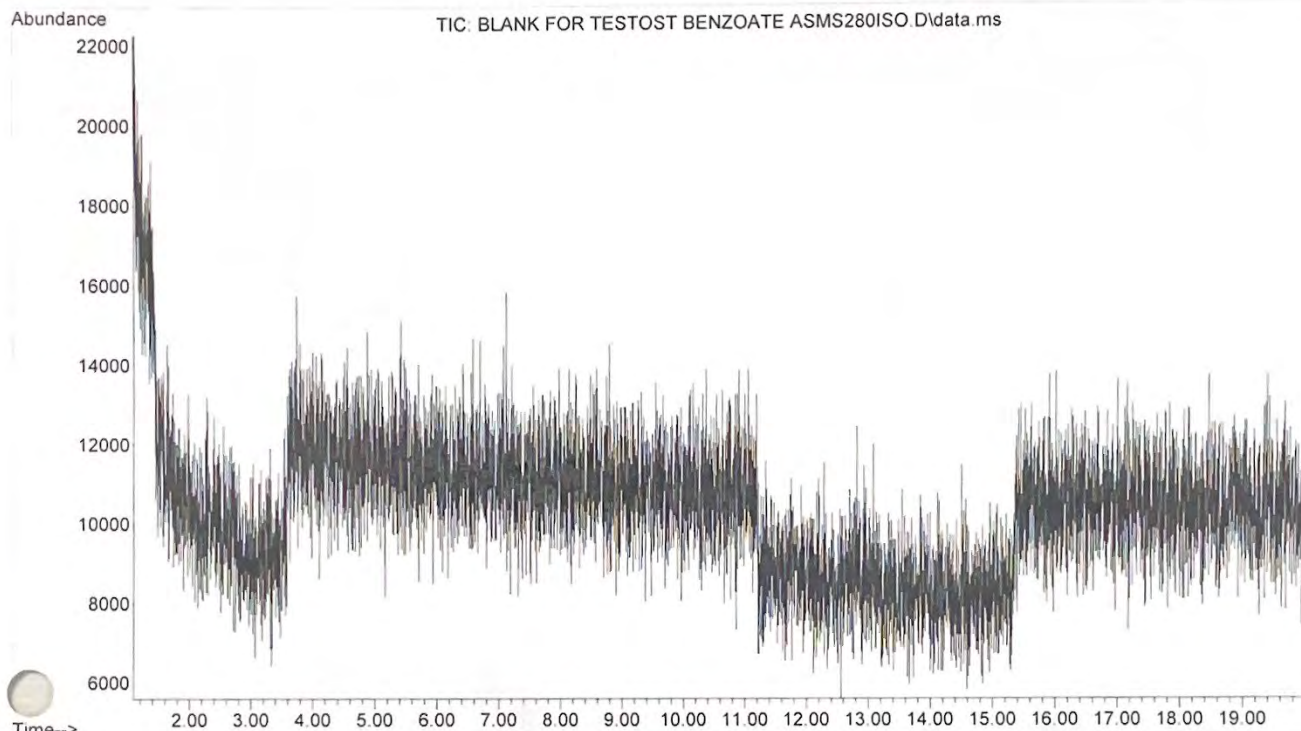
File :D:\MassHunter\GCMS\1\data\Standards --\ASMS280ISO\BLANK FOR
... TESTOST ACETATE ASMS280ISO.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 07 Nov 2022 18:30 using AcqMethod ASMS280ISO.M
Sample Name: BLANK FOR TESTOST ACETATE MS280ISO
Misc Info : MeOH



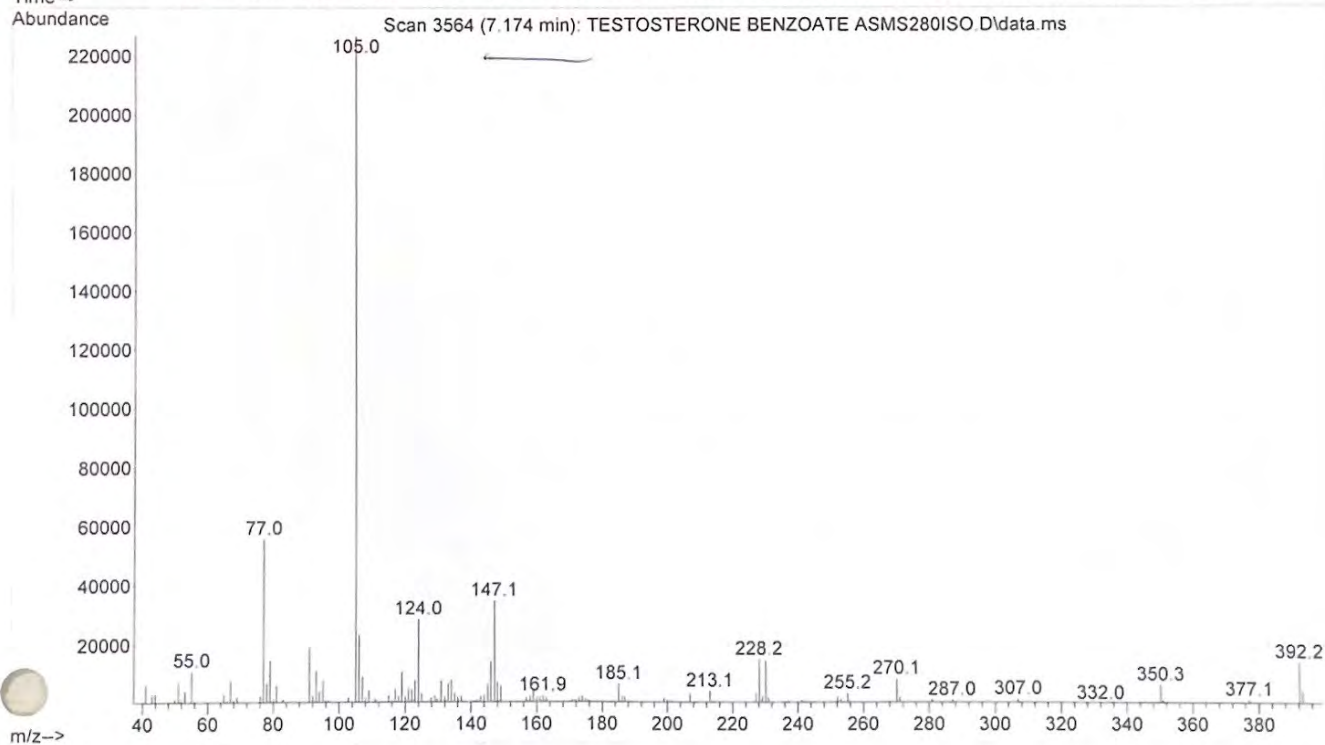
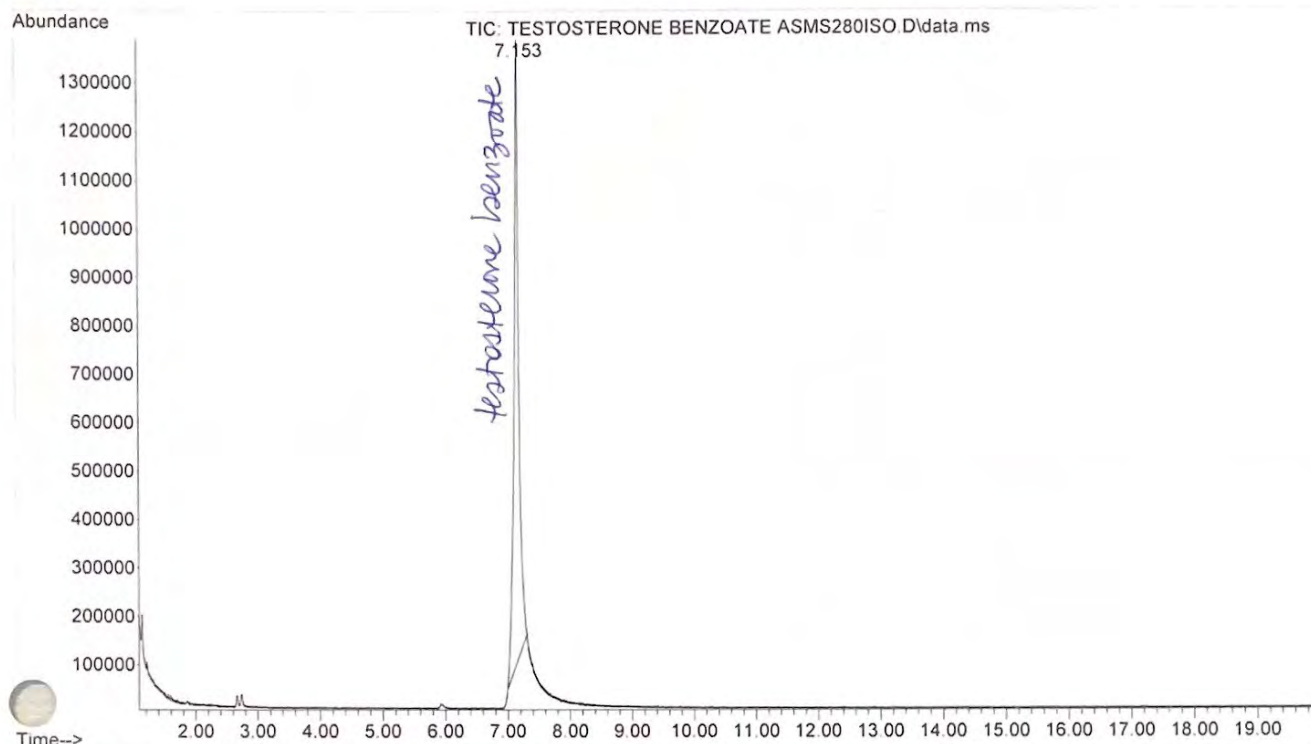
File :D:\MassHunter\GCMS\1\data\Standards --\ASMS280ISO\TESTOSTERO
... NE ACETATE STD ASMS280ISO.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 07 Nov 2022 18:53 using AcqMethod ASMS280ISO.M
Sample Name: TESTOSTERONE ACETATE STD MS280ISO
Misc Info : MeOH



File :D:\MassHunter\GCMS\1\data\Standards --\ASMS280ISO\BLANK FOR
... TESTOST BENZOATE ASMS280ISO.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 07 Nov 2022 17:25 using AcqMethod ASMS280ISO.M
Sample Name: BLANK FOR TESTOST BENZOATE MS280ISO
Misc Info : MeOH



File :D:\MassHunter\GCMS\1\data\Standards --\ASMS280ISO\TESTOSTERO
... NE BENZOATE ASMS280ISO.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 07 Nov 2022 17:47 using AcqMethod ASMS280ISO.M
Sample Name: TESTOSTERONE BENZOATE MS280ISO
Misc Info : MeOH



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

INSTRUMENT CONTROL PARAMETERS: Alma

D:\MassHunter\GCMS\1\methods\ASMS100TR.M
Tue Nov 29 12:10:25 2022

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 70 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 2.43 min

Equilibration Time 0.25 min
x Temperature 325 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 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 3000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 3000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.5 µL

Solvent Wash Mode

Back Injector
Syringe Size
Injection Volume
Solvent A Washes (PreInj)
Solvent A Washes (PostInj)
Solvent A Volume
Solvent B Washes (PreInj)
Solvent B Washes (PostInj)
Solvent B Volume
Sample Washes
Sample Wash Volume
Sample Pumps
Dwell Time (PreInj)
Dwell Time (PostInj)
Solvent Wash Draw Speed
Solvent Wash Dispense Speed
Sample Wash Draw Speed
Sample Wash Dispense Speed
Injection Dispense Speed
Viscosity Delay
Sample Depth
Injection Type
L1 Airgap
Solvent Wash Mode

A, B

10 µL
1 µL
0
0
8 µL
0
0
8 µL
0
8 µL
0
0 min
0 min
300 µL/min
6000 µL/min
300 µL/min
6000 µL/min
6000 µL/min
0 sec
Disabled
Standard
0.2 µL
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 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
0.57353 mL/min

Column Information	Agilent 19091S-602
Description	HP-lms
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
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	10 psi

Column Information	Agilent 19091S-913
Description	HP-lms
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: US2227M017

Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
34.899	:	REPELLER	
90.331	:	IONFOCUS	
27.717	:	ENTRANCE_LENS	
1057.682	:	EMVOLTS	
			1094.9 : Actual EMV
			1.00 : GAIN FACTOR
3306.000	:	AMUGAIN	
141.563	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
9.621	:	ENTLENDOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
507.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT 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
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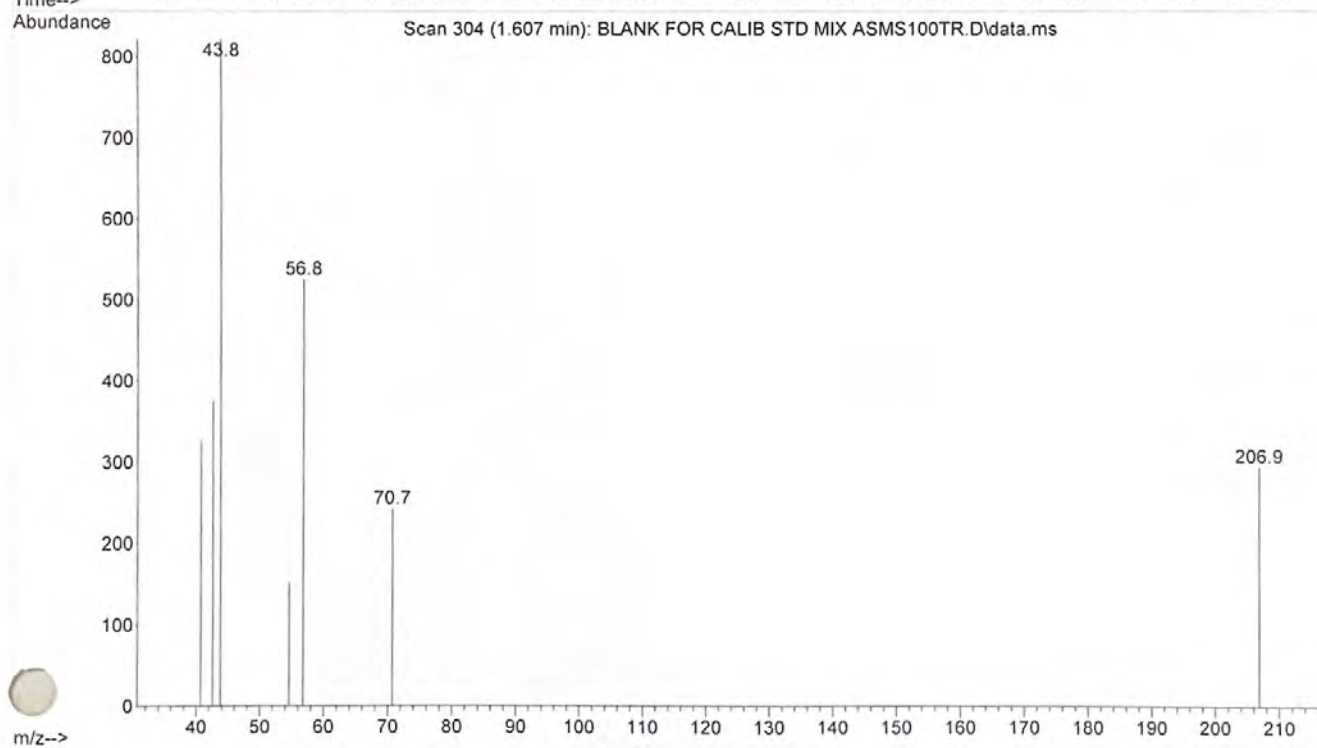
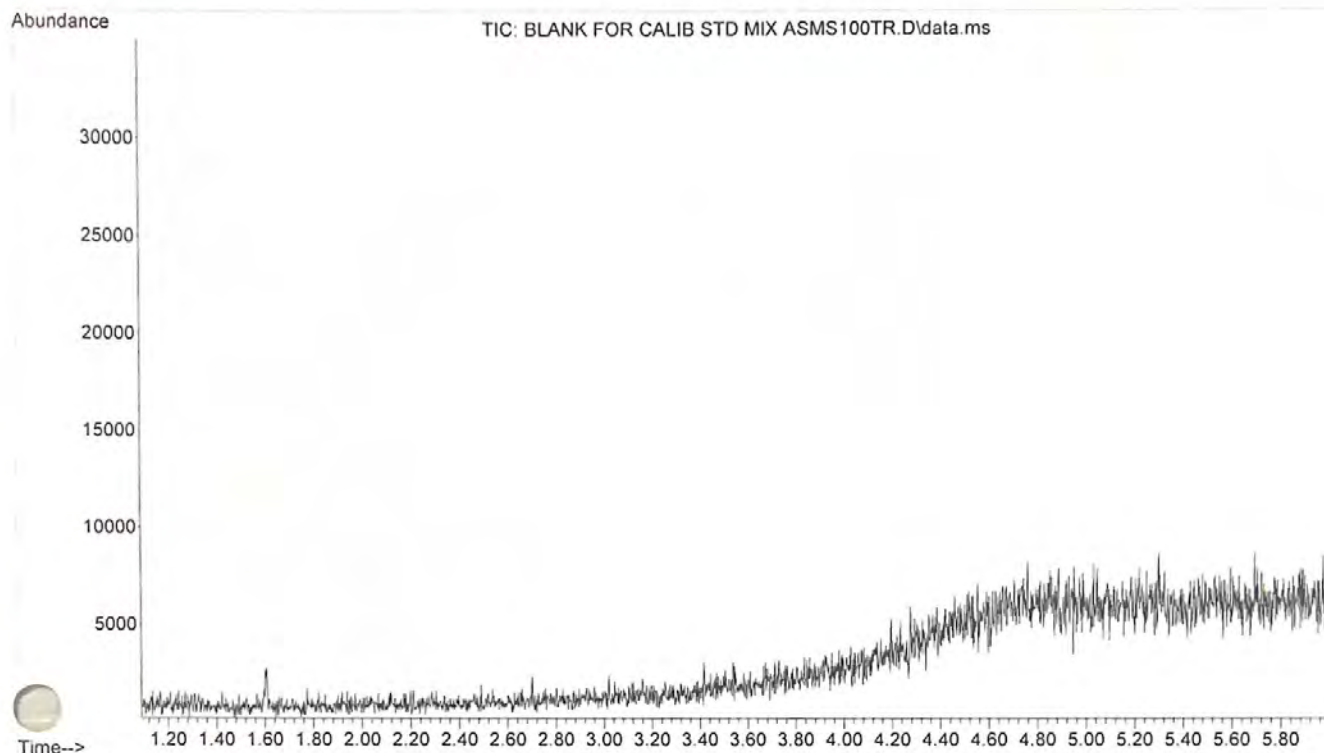
Real-Time Plots

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

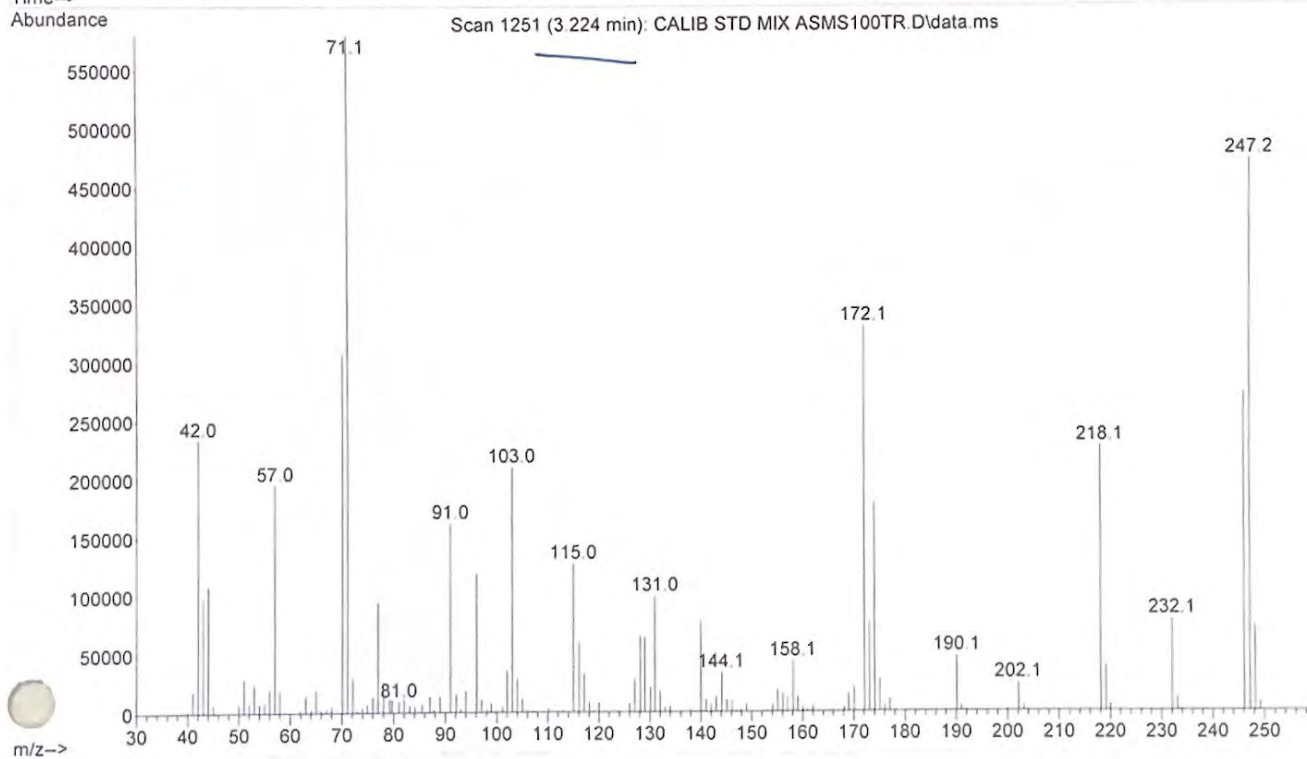
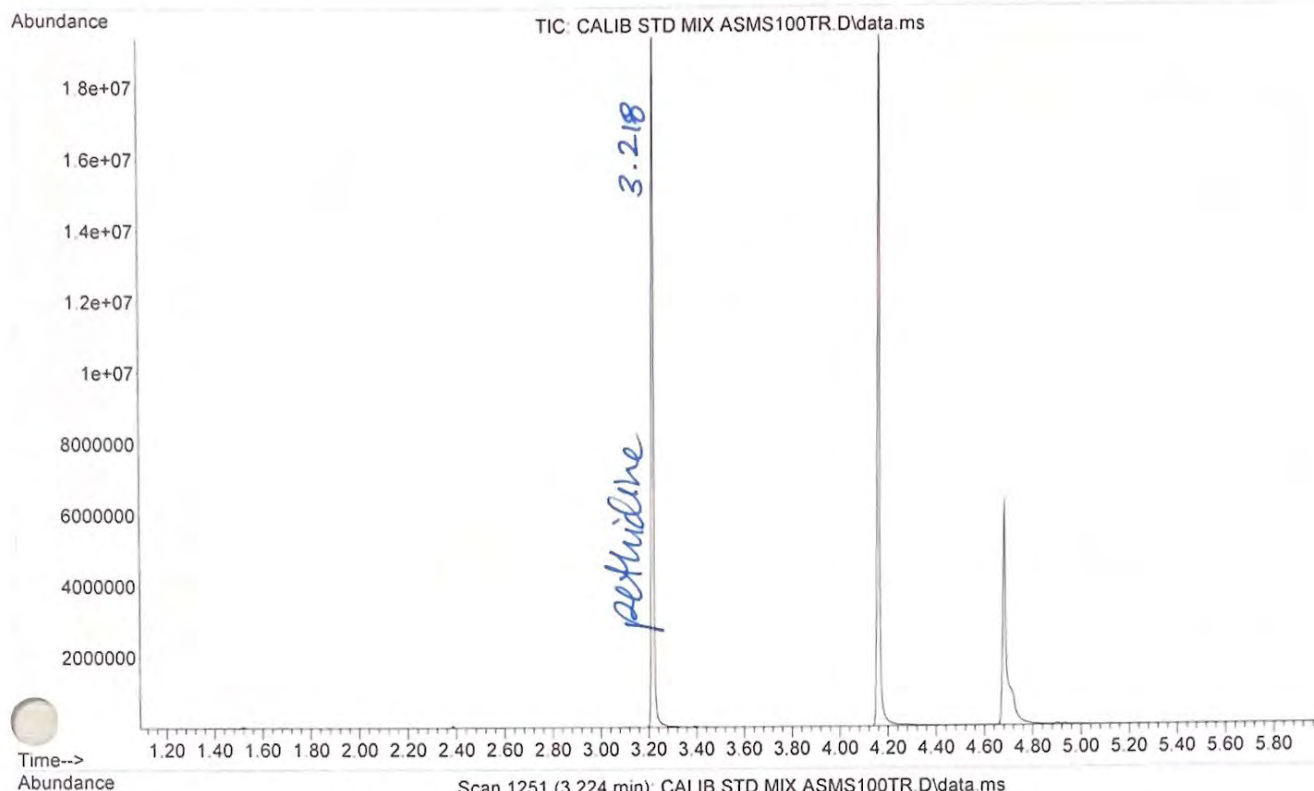
Self-Cleaning Ion Source Parameters

Mode	No Cleaning
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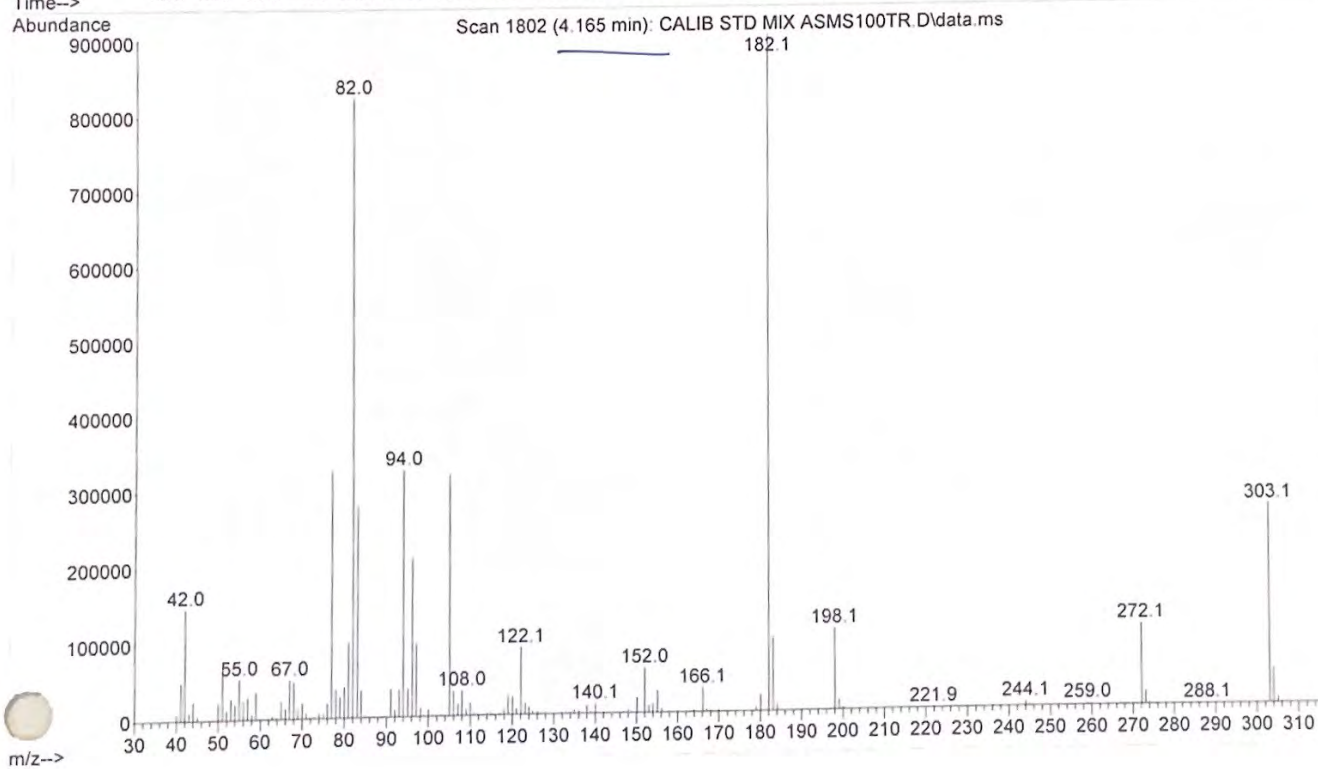
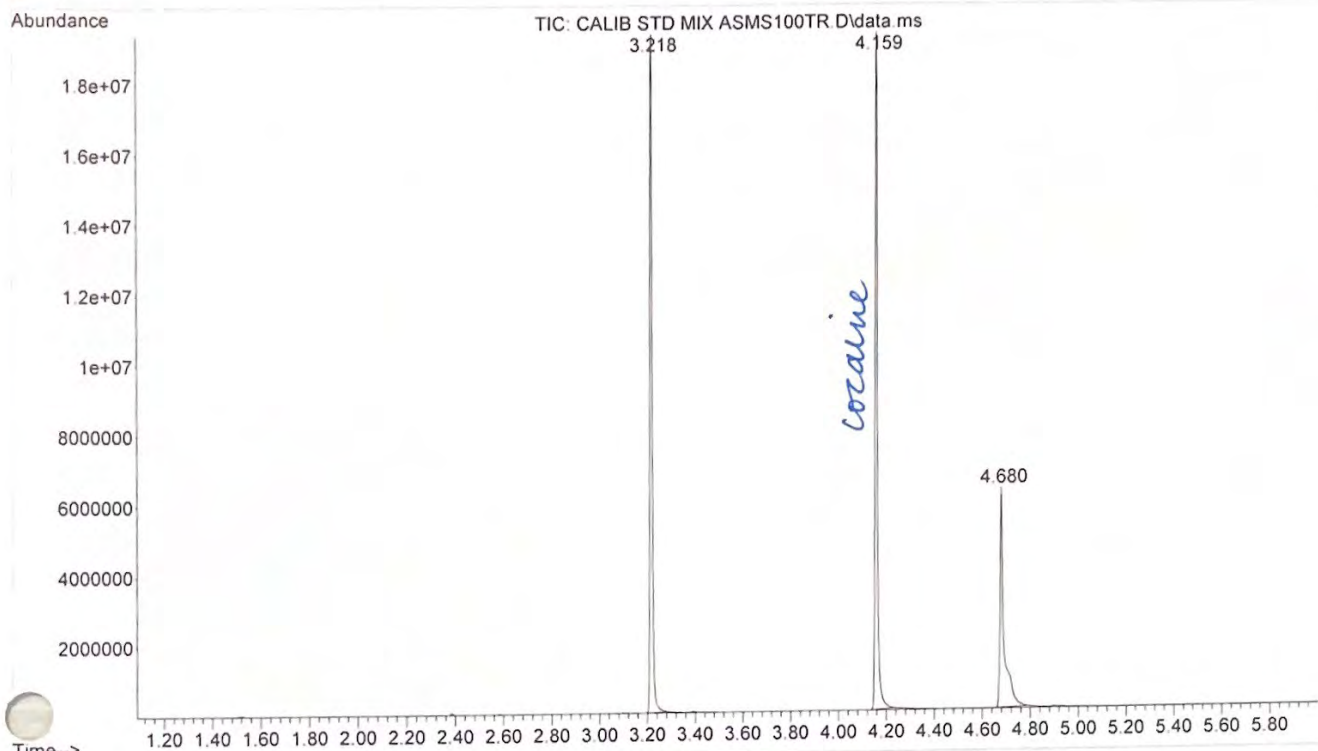
File :D:\MassHunter\GCMS\1\data\Standards --\ASMS100TR\BLANK FOR C
... ALIB STD MIX ASMS100TR.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 08 Nov 2022 14:29 using AcqMethod ASMS100TR.M
Sample Name: BLANK FOR CALIB STD MIX ASMS100TR
Misc Info : MeOH



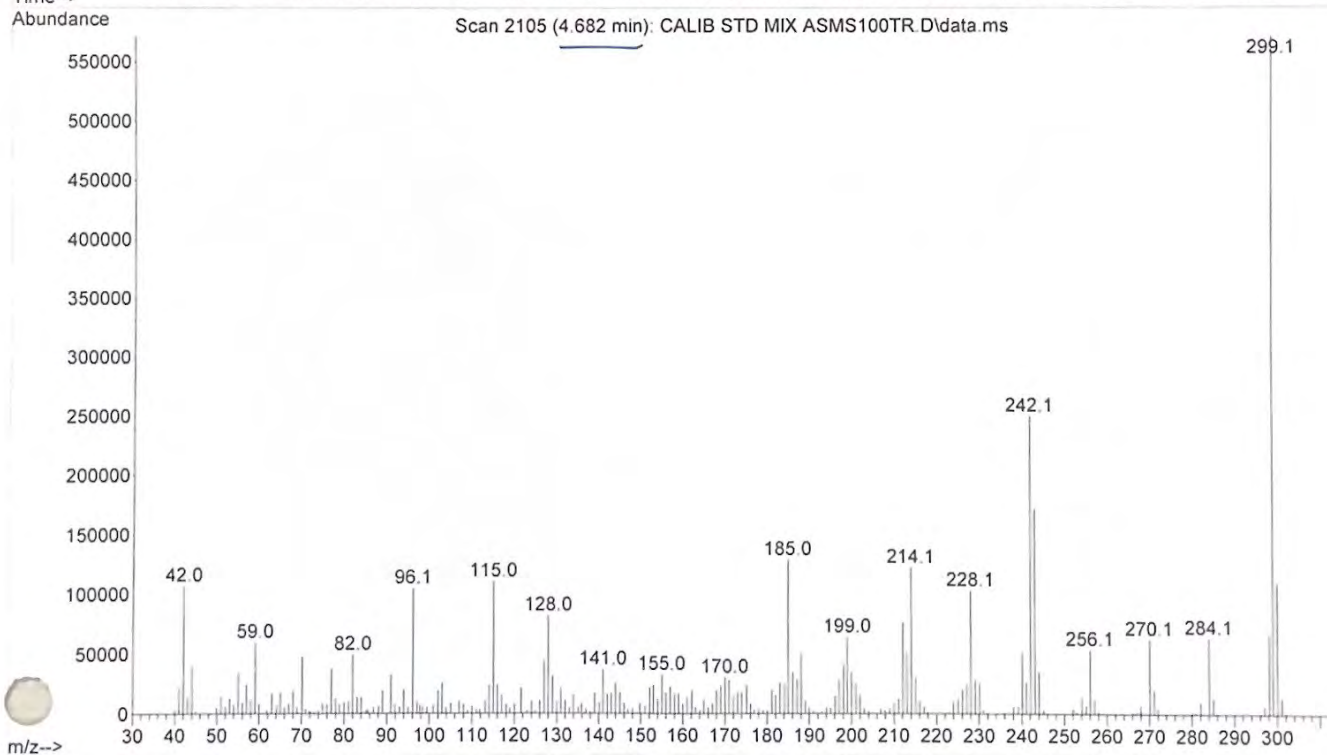
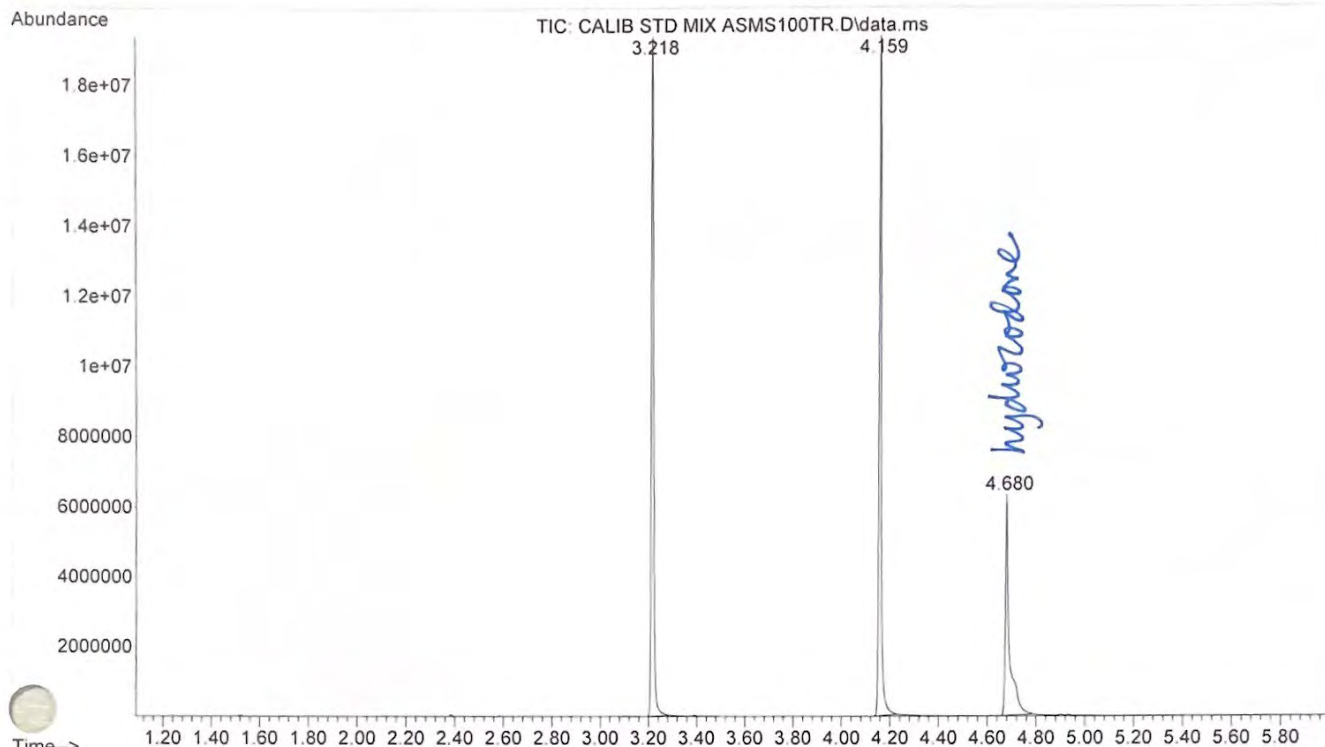
File :D:\MassHunter\GCMS\1\data\Standards --\ASMS100TR\CALIB STD M
... IX ASMS100TR.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 08 Nov 2022 14:38 using AcqMethod ASMS100TR.M
Sample Name: CALIB STD MIX ASMS100TR
Mix Info : MeOH



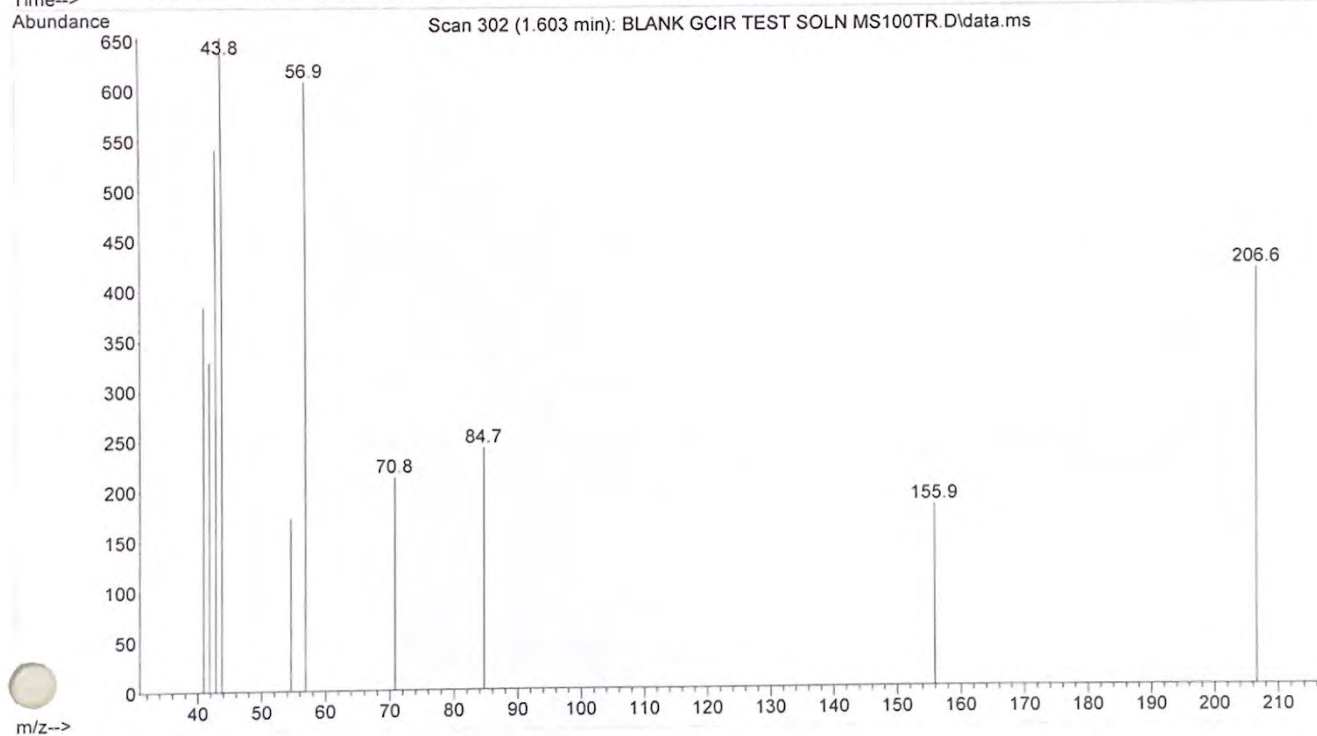
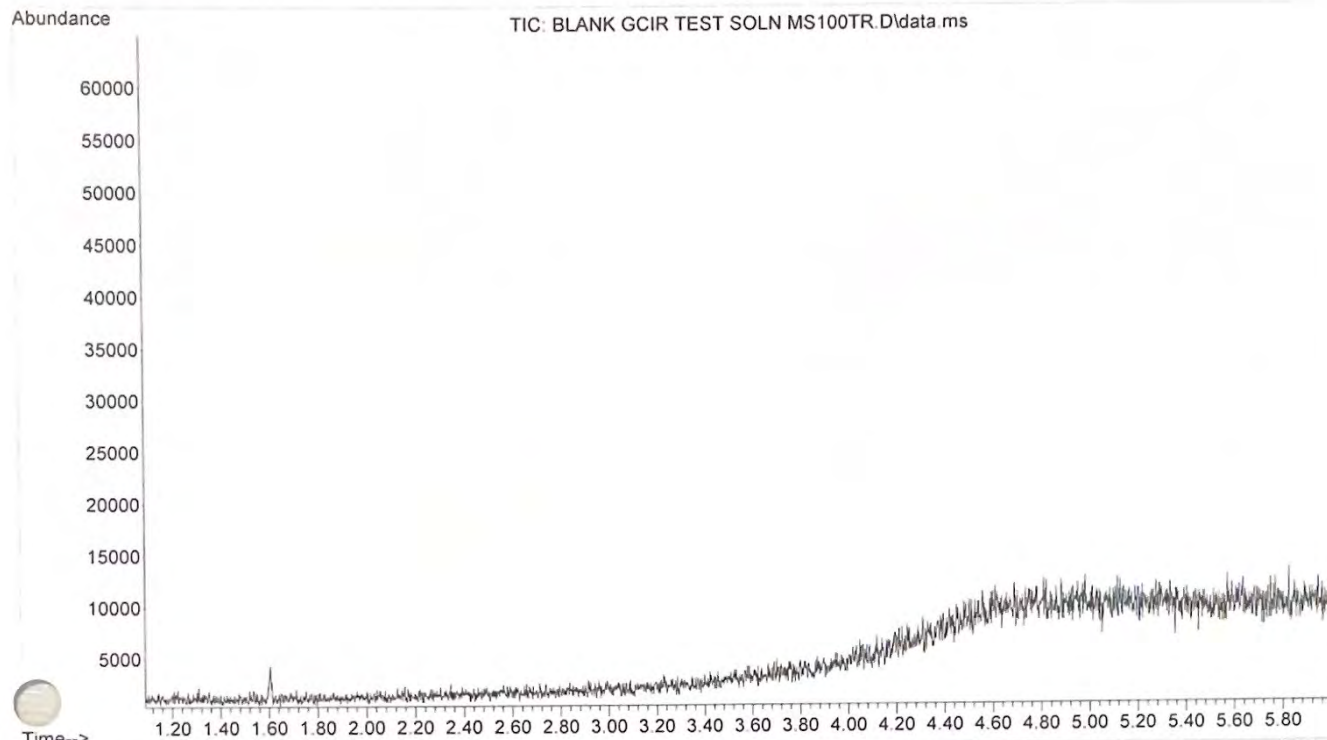
File :D:\MassHunter\GCMS\1\data\Standards --\ASMS100TR\CALIB STD M
... IX ASMS100TR.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 08 Nov 2022 14:38 using AcqMethod ASMS100TR.M
Sample Name: CALIB STD MIX ASMS100TR
Misc info : MeOH



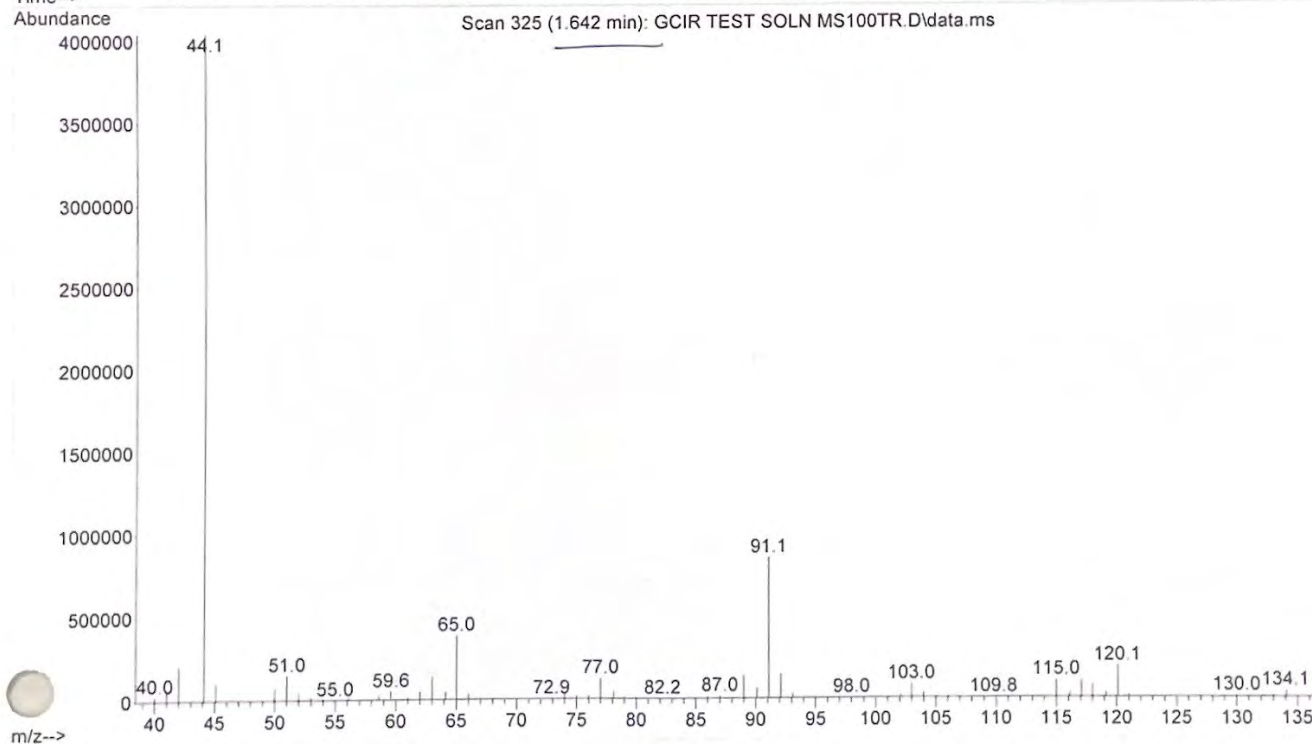
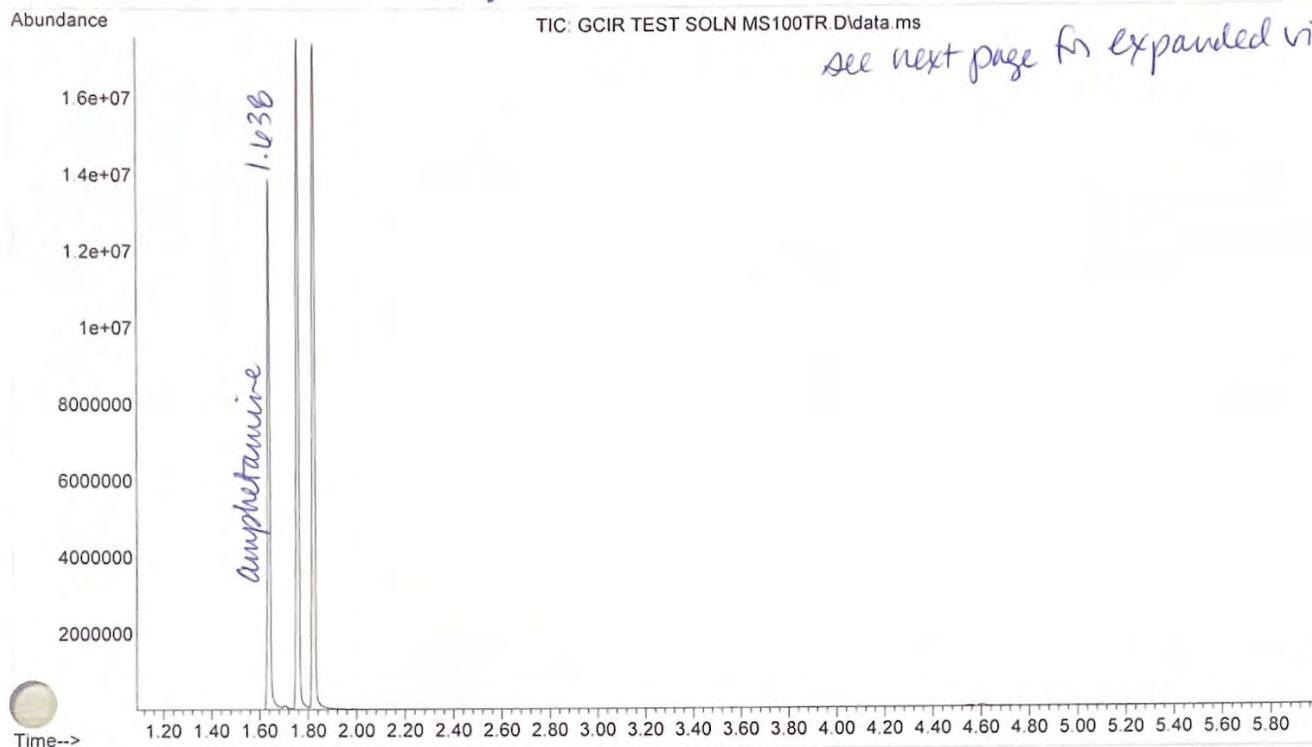
File :D:\MassHunter\GCMS\1\data\Standards --\ASMS100TR\CALIB STD M
... IX ASMS100TR.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 08 Nov 2022 14:38 using AcqMethod ASMS100TR.M
Sample Name: CALIB STD MIX ASMS100TR
Misc Info : MeOH



File :D:\MassHunter\GCMS\1\data\Standards --\ASMS100TR\BLANK GCIR
... TEST SOLN MS100TR.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 07 Nov 2022 16:53 using AcqMethod ASMS100TR.M
Sample Name: BLANK FOR GC/IR TEST SOLUTION
Misc info : MeOH

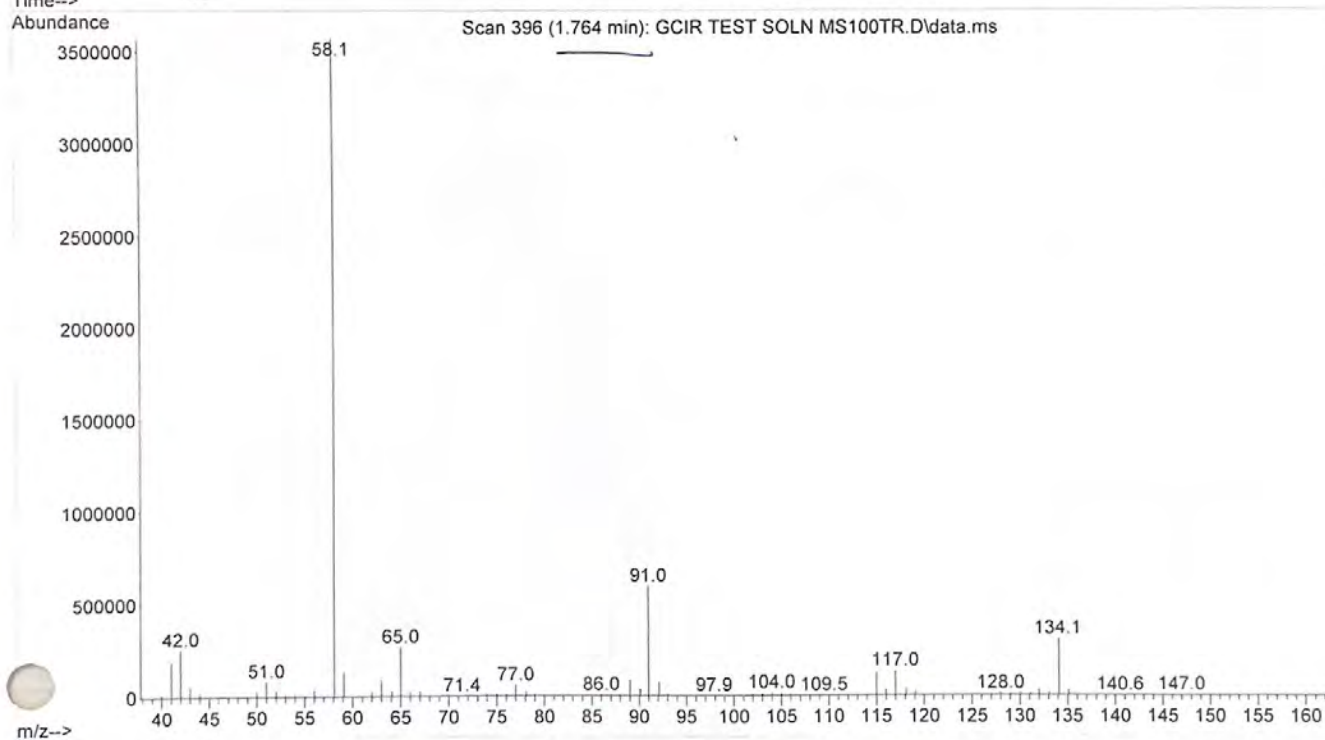
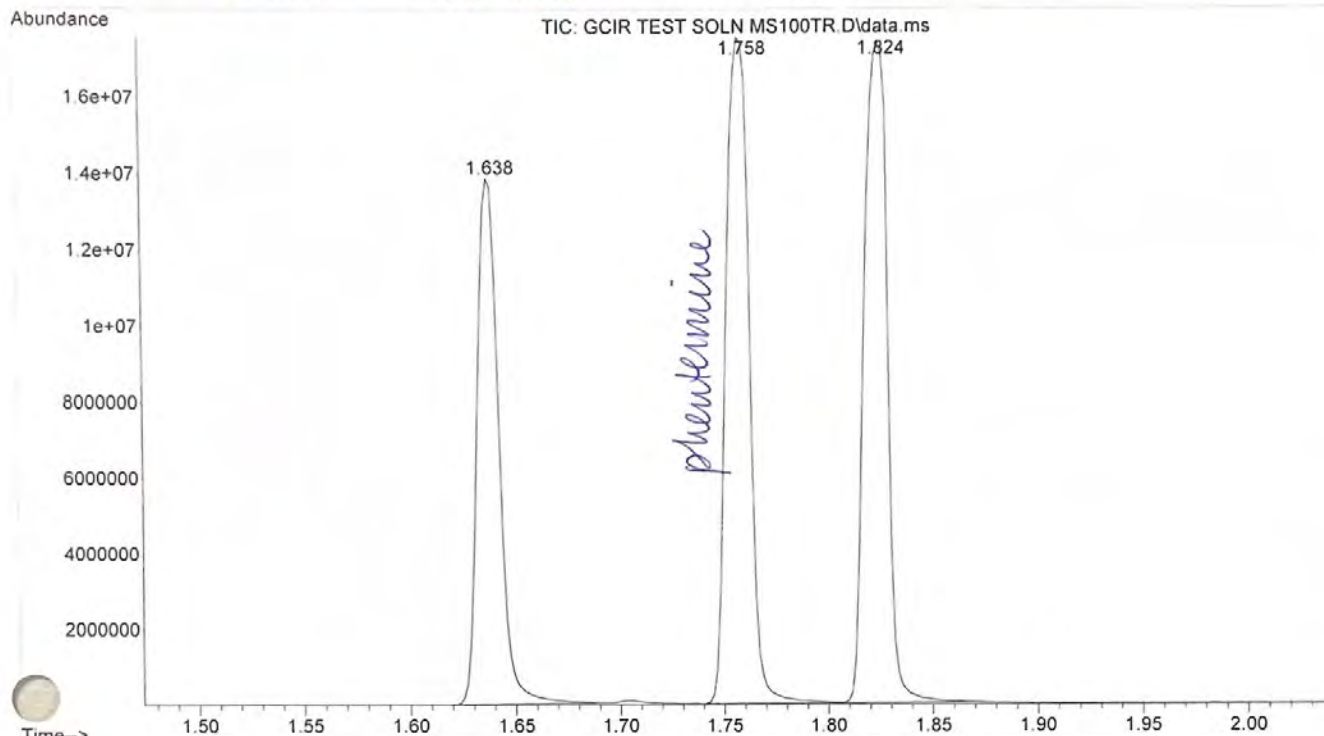


File :D:\MassHunter\GCMS\1\data\Standards --\ASMS100TR\GCIR TEST 5
... OLN MS100TR.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 07 Nov 2022 17:02 using AcqMethod ASMS100TR.M
Sample Name: GC/IR TEST SOLUTION (ASMS100TR)
Misc Info : MeOH 2:1 0.5N NaOH $\rightarrow$ CHCl₃ JKB

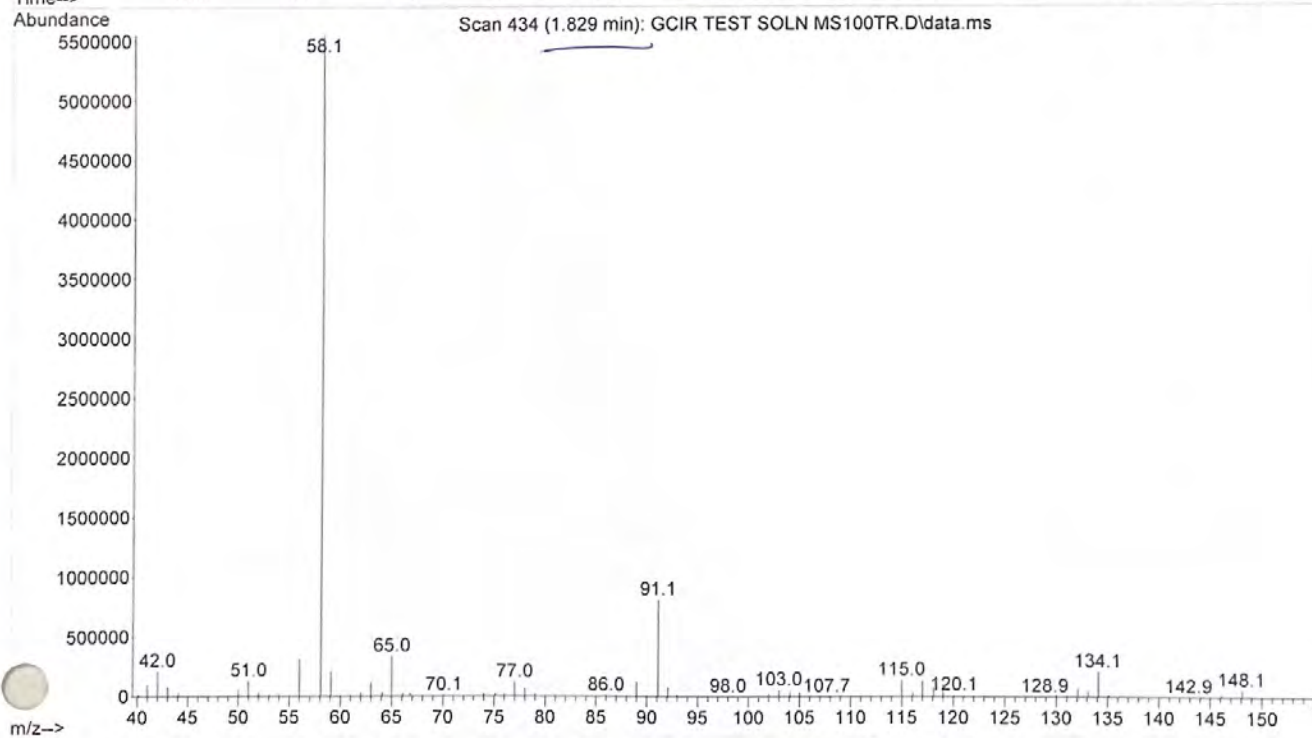
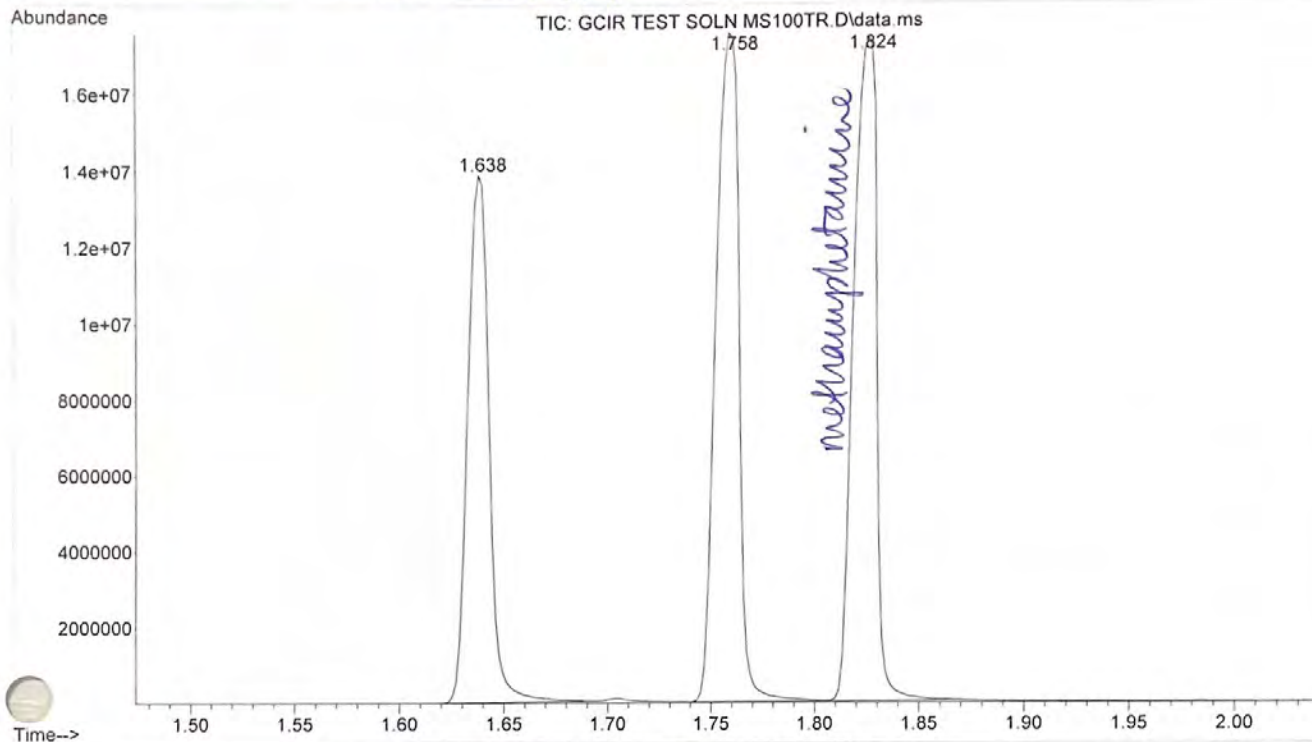


File :D:\MassHunter\GCMS\1\data\Standards --\ASMS100TR\GCIR TEST S
... OLN MS100TR.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 07 Nov 2022 17:02 using AcqMethod ASMS100TR.M
Sample Name: GC/IR TEST SOLUTION (ASMS100TR)
Misc info : MeOH 2:1 0.5N NaOH $\rightarrow$ CHCl₃ JK3

expanded view



File :D:\MassHunter\GCMS\1\data\Standards --\ASMS100TR\GCIR TEST S
... OLN MS100TR.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 07 Nov 2022 17:02 using AcqMethod ASMS100TR.M
Sample Name: GC/IR TEST SOLUTION (ASMS100TR)
Misc Info : ~~MeOH~~ 2:1 0.5N NaOH $\rightarrow$ CHCl₃ JKB



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

INSTRUMENT CONTROL PARAMETERS: Alma

D:\MassHunter\GCMS\1\methods\ASMS200TR.M
Tue Nov 29 12:12:59 2022

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 70 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 3.86 min

Equilibration Time 0.25 min
Ex Temperature 325 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 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 3000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 3000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.5 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	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	0.2 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 300 °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	0.57353 mL/min

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

Description

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

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

On

13.5 psi

10 psi

Agilent 19091S-913

HP-1ms

-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

0 psi

He

On 300 °C

Off

Off

Off

Constant Makeup and Fuel Flow

Off

Off

Off

Off

Off

On

280 °C

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: US2227M017

Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
34.899	:	REPELLER	
90.331	:	IONFOCUS	
27.717	:	ENTRANCE_LENS	
1057.682	:	EMVOLTS	
			1094.9 : Actual EMV
			1.00 : GAIN FACTOR
3306.000	:	AMUGAIN	
141.563	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
9.621	:	ENTLENDOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
507.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT 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
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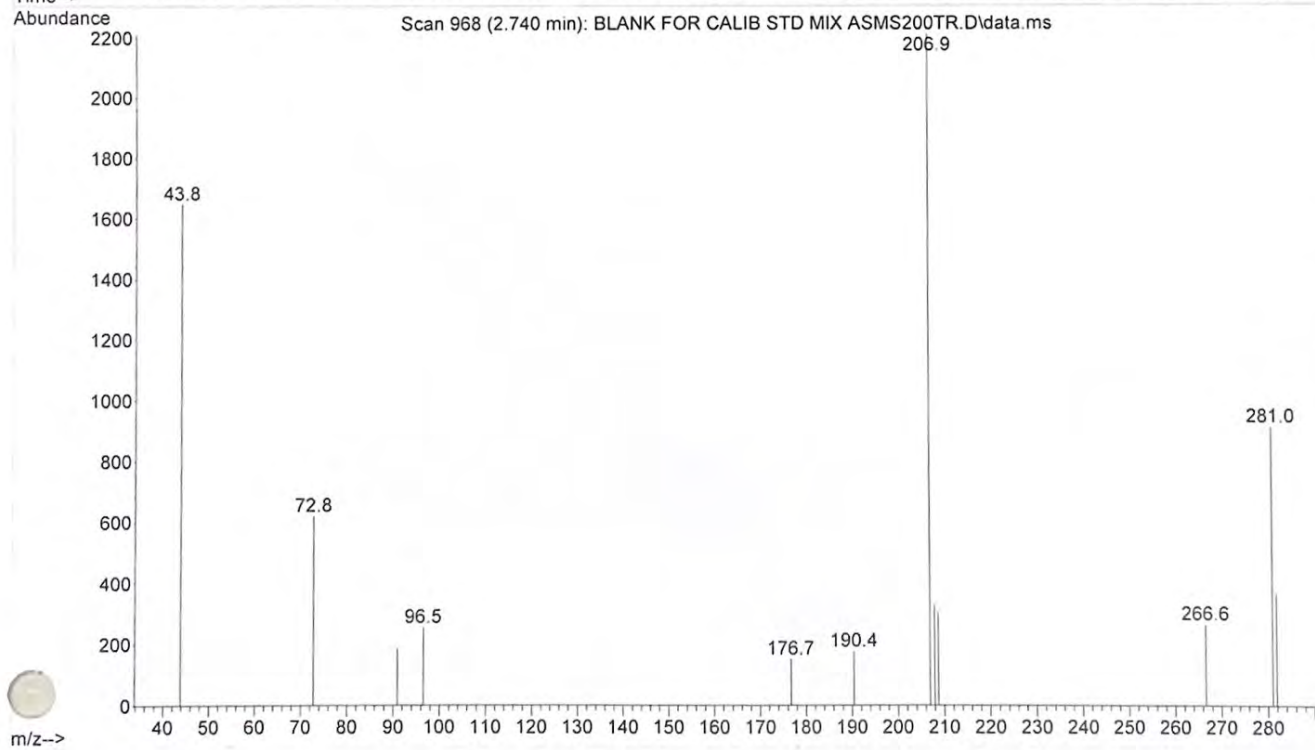
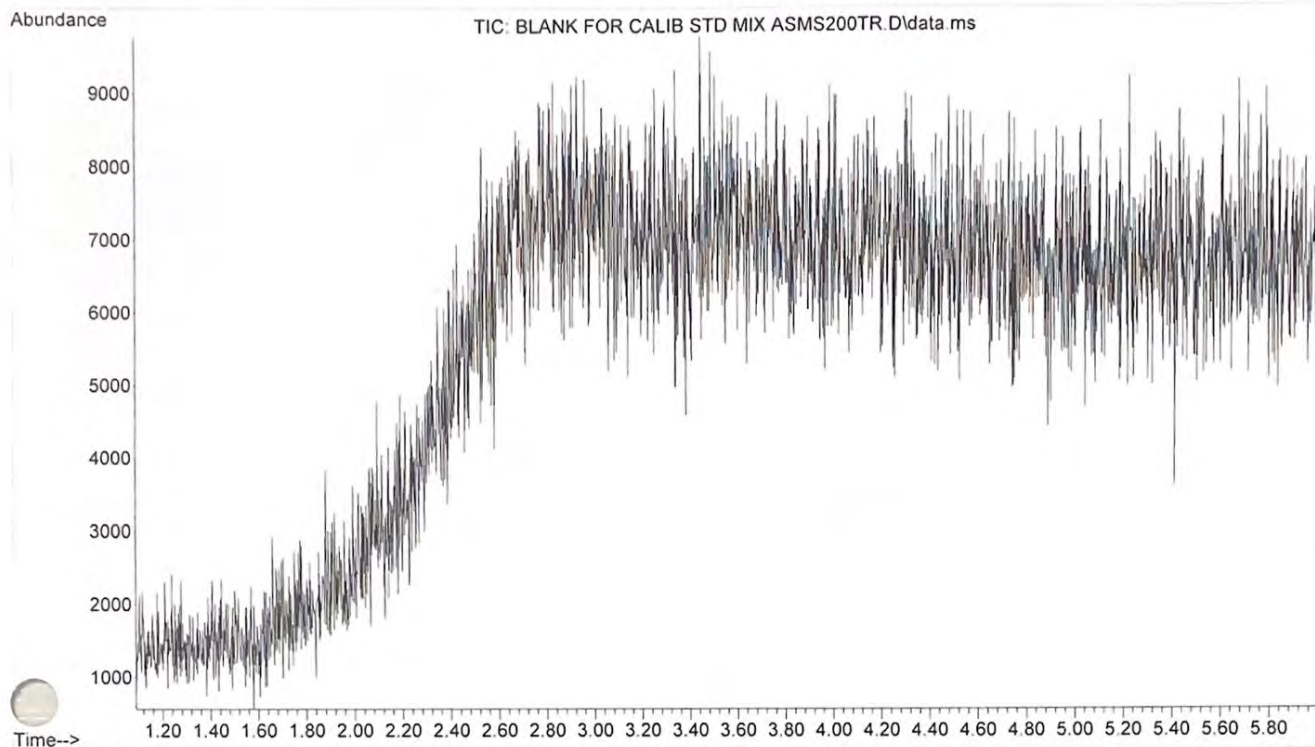
Real-Time Plots

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

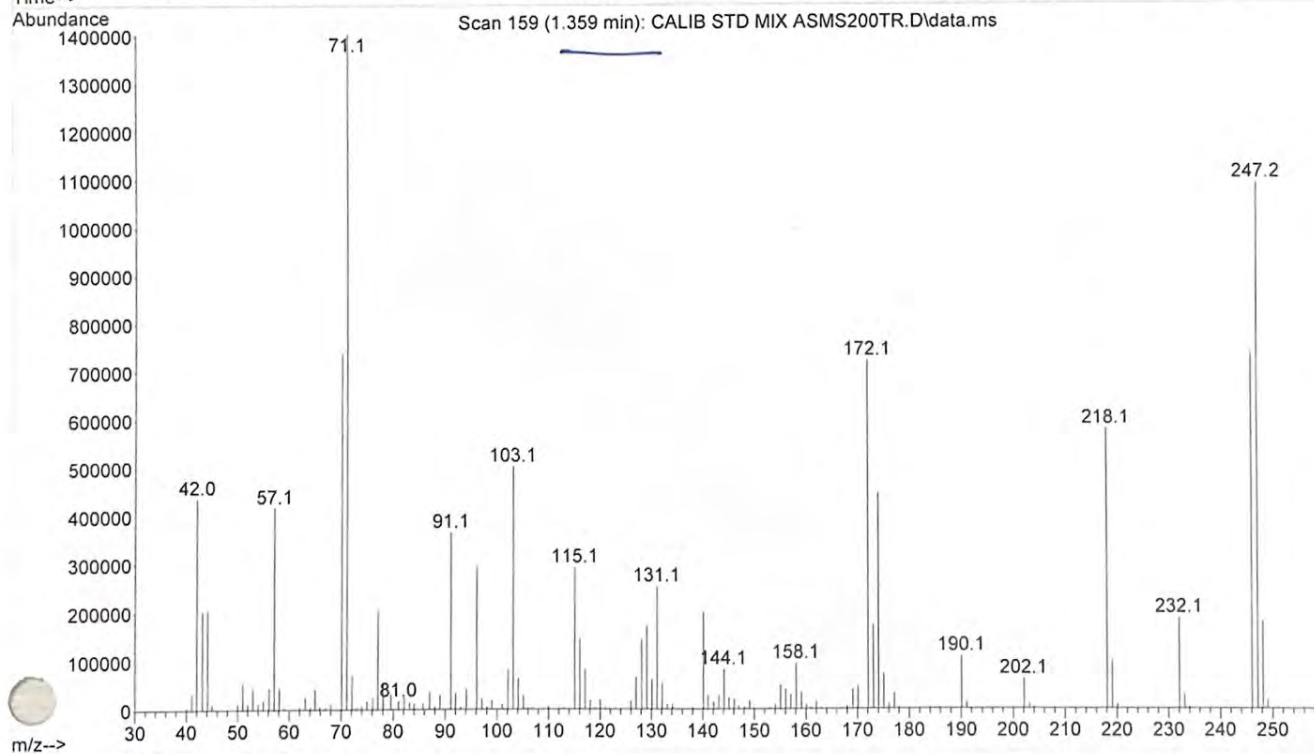
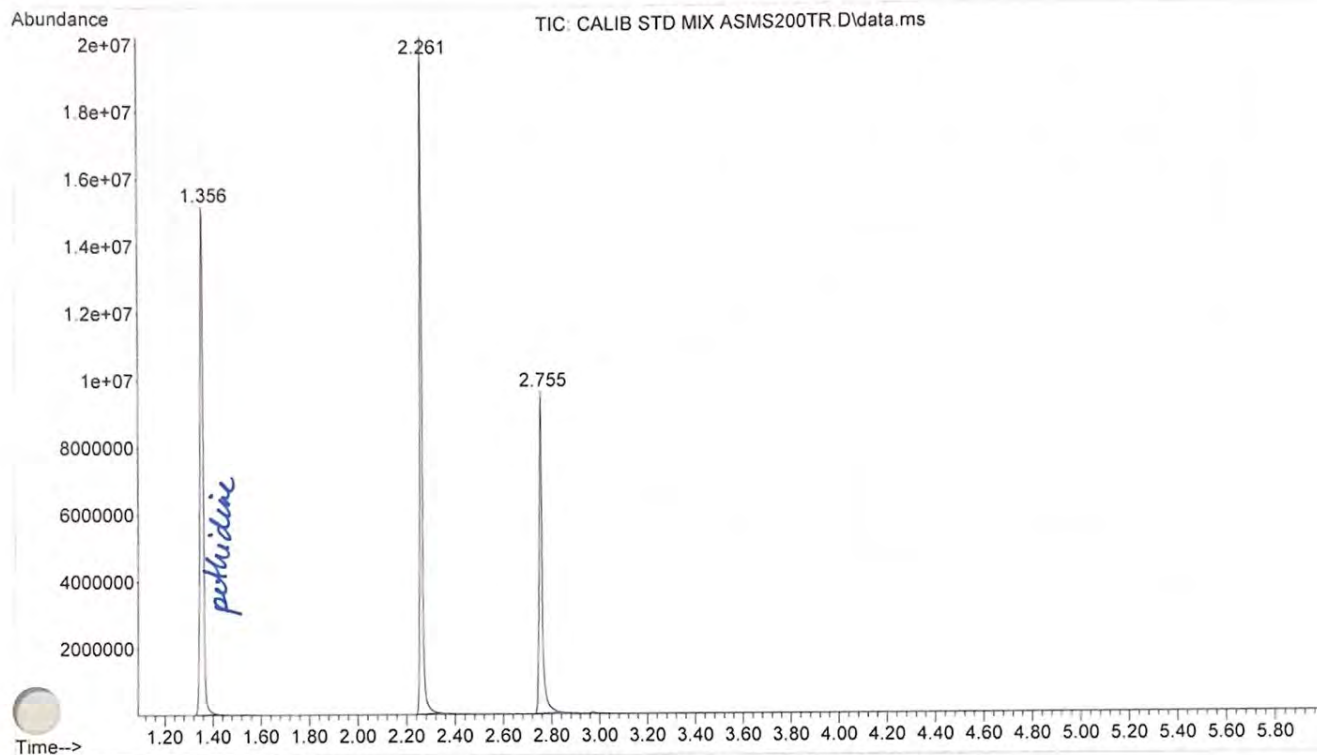
Self-Cleaning Ion Source Parameters

Mode	No Cleaning
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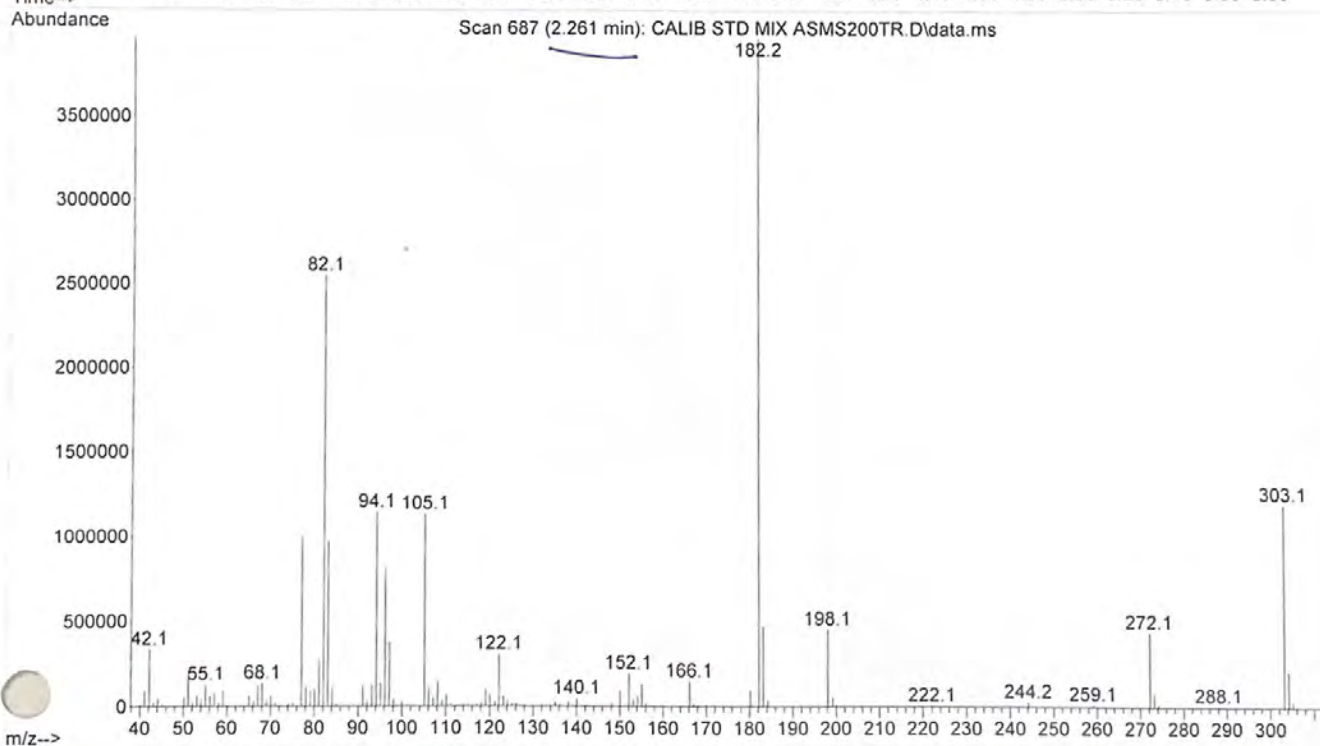
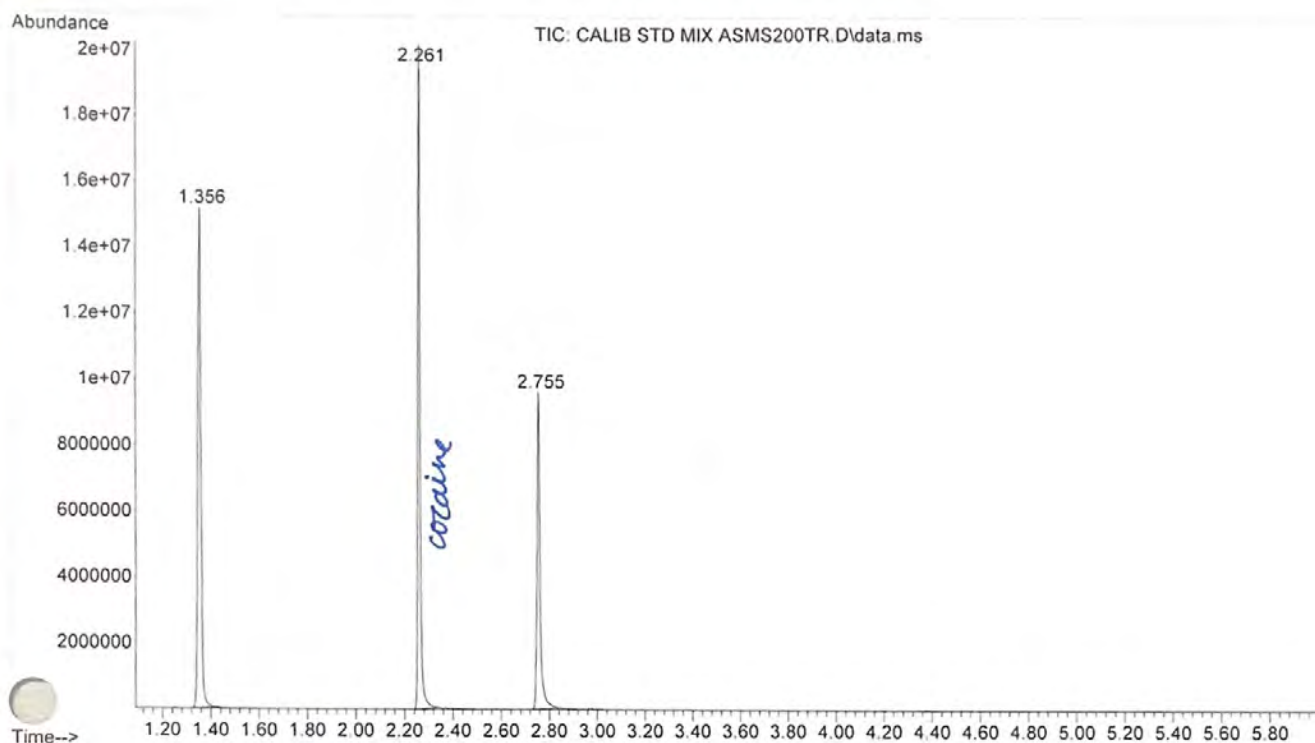
File :D:\MassHunter\GCMS\1\data\Standards --\ASMS200TR\BLANK FOR C
... ALIB STD MIX ASMS200TR.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 08 Nov 2022 14:59 using AcqMethod ASMS200TR.M
Sample Name: BLANK FOR CALIB STD MIX ASMS200TR
Misc Info : MeOH



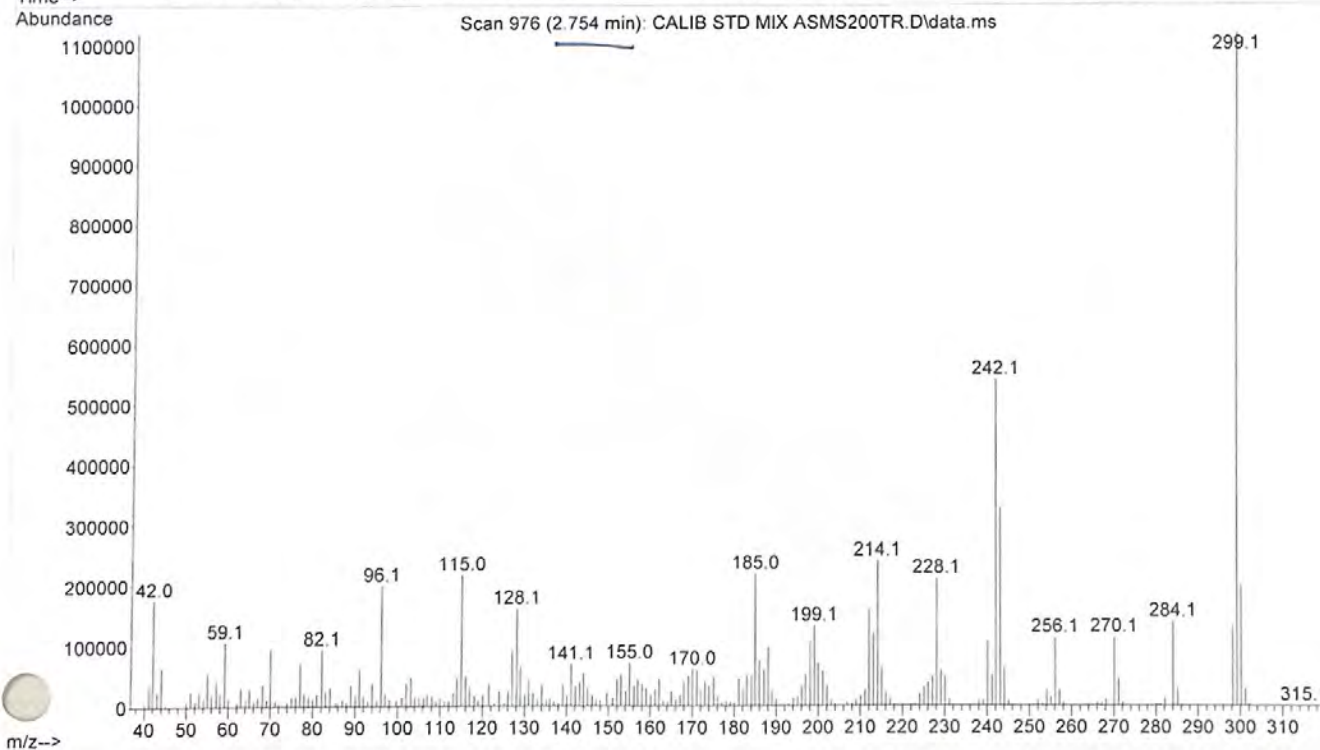
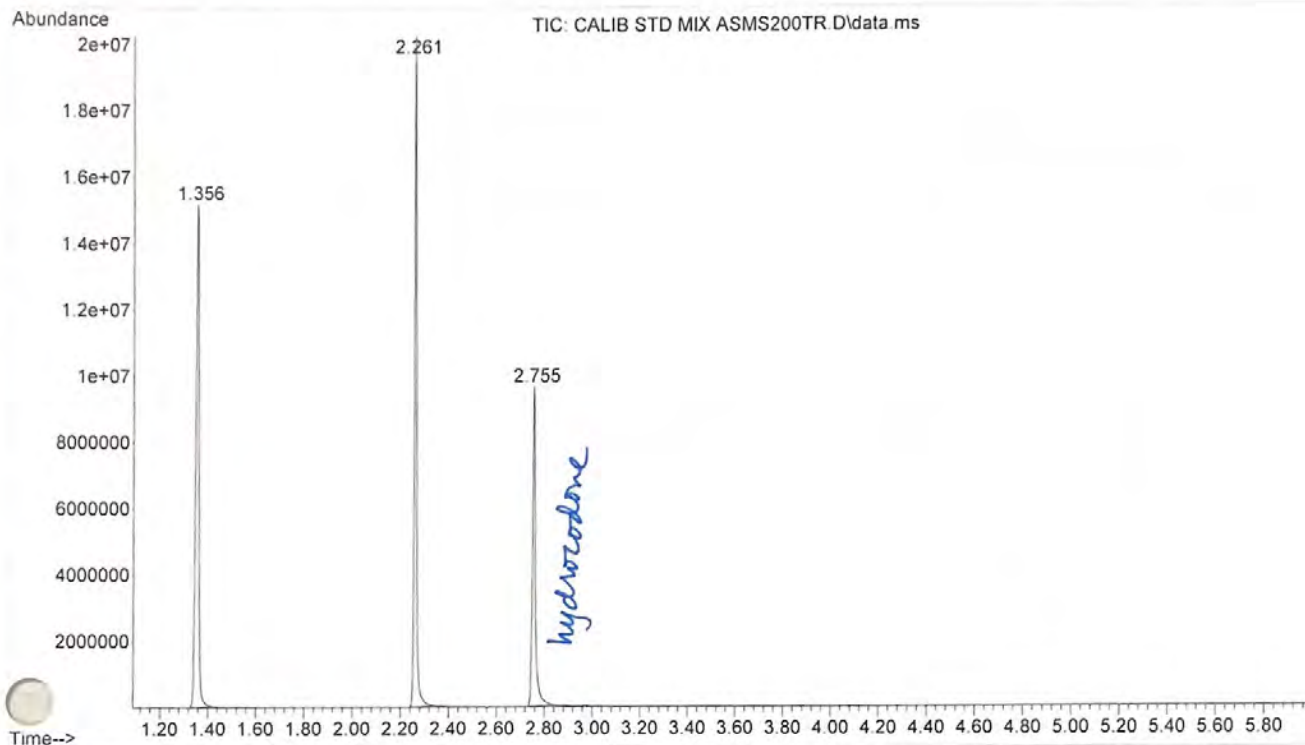
File :D:\MassHunter\GCMS\1\data\Standards --\ASMS200TR\CALIB STD M
... IX ASMS200TR.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 08 Nov 2022 15:07 using AcqMethod ASMS200TR.M
Sample Name: CALIB STD MIX ASMS200TR
Misc Info : MEOH



File :D:\MassHunter\GCMS\1\data\Standards --\ASMS200TR\CALIB STD M
... IX ASMS200TR.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 08 Nov 2022 15:07 using AcqMethod ASMS200TR.M
Sample Name: CALIB STD MIX ASMS200TR
Misc Info : MEOH



File :D:\MassHunter\GCMS\1\data\Standards --\ASMS200TR\CALIB STD M
... IX ASMS200TR.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 08 Nov 2022 15:07 using AcqMethod ASMS200TR.M
Sample Name: CALIB STD MIX ASMS200TR
Misc Info : MEOH



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 a manual injection GC 100-280 / 10 minute method.

END OF METHOD CONTROL PARAMETERS

INSTRUMENT CONTROL PARAMETERS: Alma

D:\MassHunter\GCMS\1\methods\GC100.M
Tue Nov 29 14:00:14 2022

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 70 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 6.43 min

Equilibration Time 0.25 min
Max Temperature 325 °C
Maximum 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 4 µL
Solvent B Washes (PreInj) 0
Solvent B Washes (PostInj) 0
Solvent B Volume 4 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 3000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 3000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.5 µL
Solvent Wash Mode A, B

Back Injection	
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	4 µl
Sample Washes	0
Sample Wash Volume	1 µl
Sample Pump	0
Swell Time (PreInj)	0 min
Swell Time (PostInj)	0 min
Solvent Wash Draw Speed	100 µL/min
Solvent Wash Dispense Speed	1000 µL/min
Sample Wash Draw Speed	100 µL/min
Sample Wash Dispense Speed	1000 µL/min
Injection Dispense Speed	4000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
LI 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 50.828 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	46.89 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 10 psi
Total Flow	On 172.89 mL/min
Septum Purge Flow	On 3 mL/min
Pre-Run Flow Test	Off
Gas Saver	Off
Split Ratio	50 : 1
Split Flow	166.86 mL/min
Liner	A liner has not been selected.
Column	
Column #1	
Pressure	On
Setpoint	10 psi
(Initial)	3.3041 psi
Post Run	

Column Information

Description

Temperature Range

Dimensions

Heater

Column lock

t

(Initial)

Pressure

Flow

Average Velocity

Holdup Time

Control Mode

Column #2

Pressure

Setpoint

(Initial)

Post Run

Column Information

Description

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-lms

-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

10 psi

0.9378 mL/min

55.949 cm/sec

0.37236 min

Constant Pressure

On

10 psi

10 psi

Agilent 19091S-913

HP-lms

-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

10 psi

3.3311 mL/min

63.306 cm/sec

0.39491 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	Front 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: US2227M017

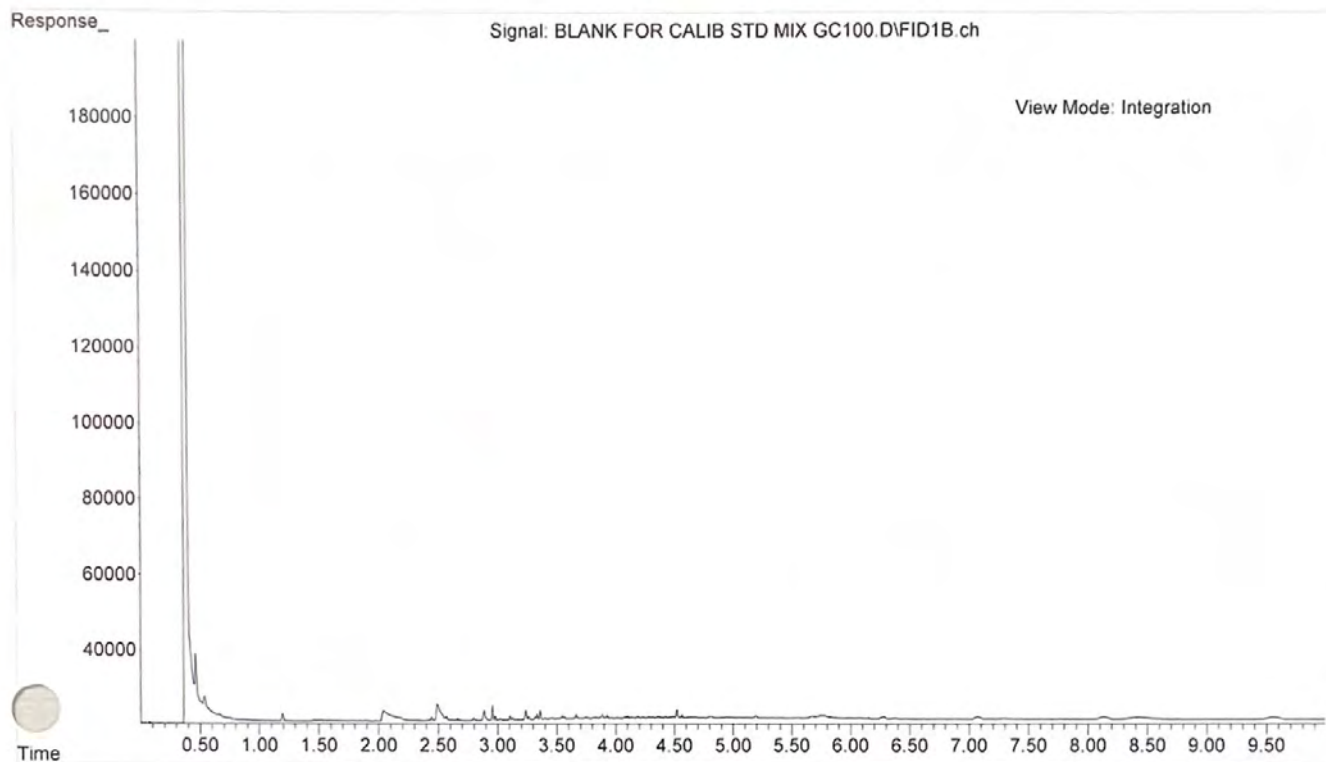
Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
34.899	:	REPELLER	
90.331	:	IONFOCUS	
27.717	:	ENTRANCE_LENS	
1057.682	:	EMVOLTS	
		1094.9	: Actual EMV
		1.00	: GAIN FACTOR
3306.000	:	AMUGAIN	
141.563	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
9.621	:	ENTLENSOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
507.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

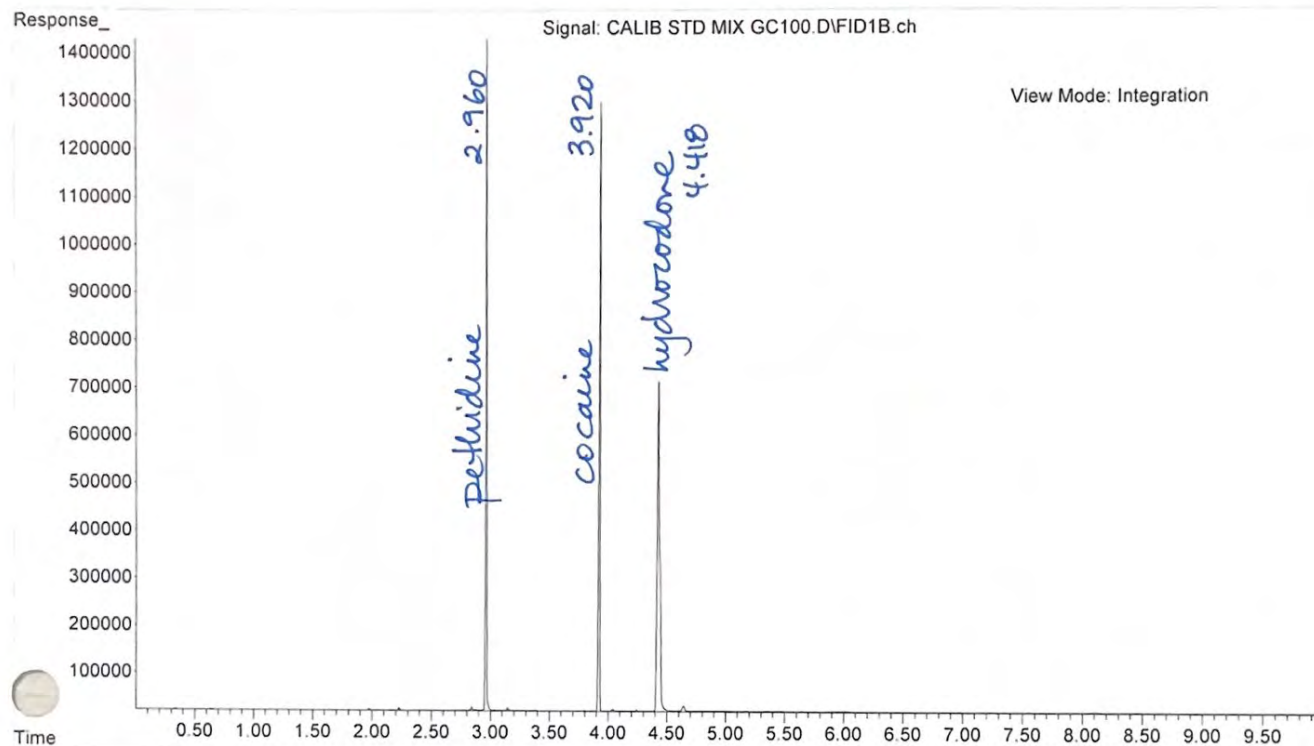
END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

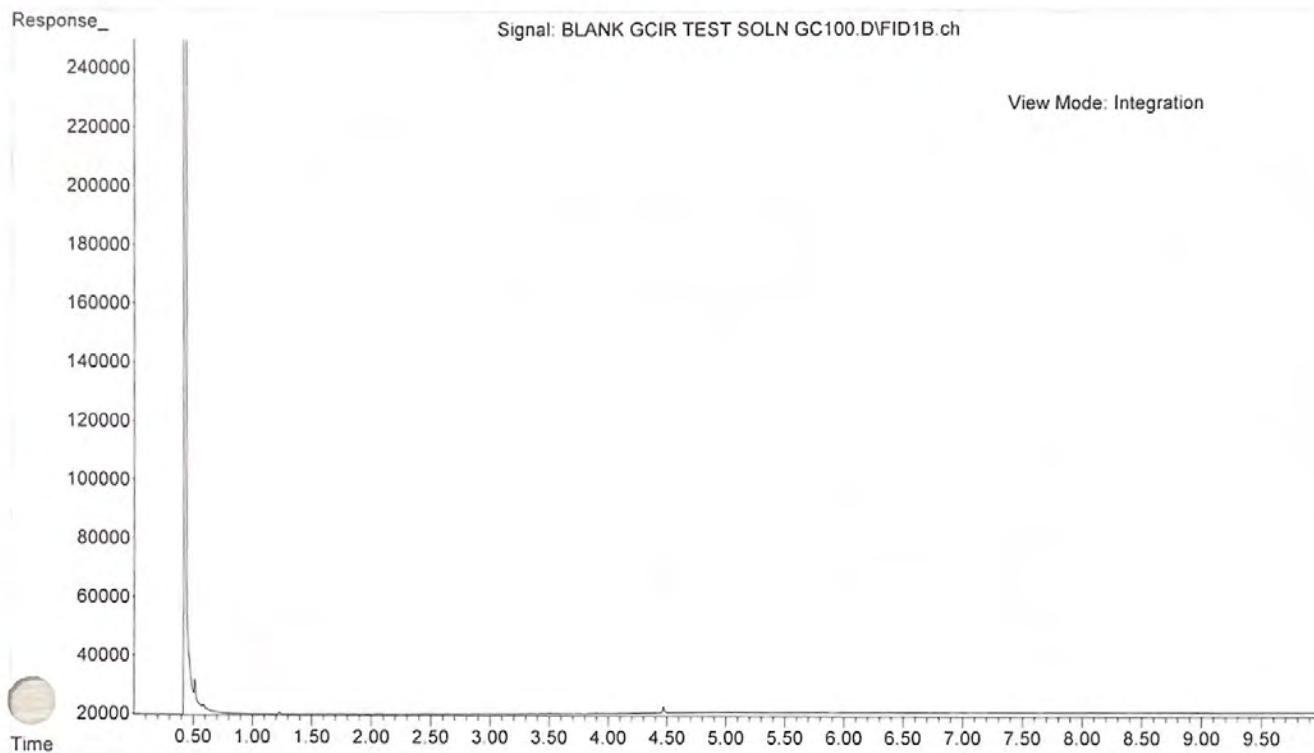
File :D:\MassHunter\GCMS\1\data\Standards --\GC100\BLANK FOR CALIB
... STD MIX GC100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 17 Nov 2022 10:22 using AcqMethod GC100.M
Sample Name: BLANK FOR CALIB STD MIX GC100
Misc Info : MeOH



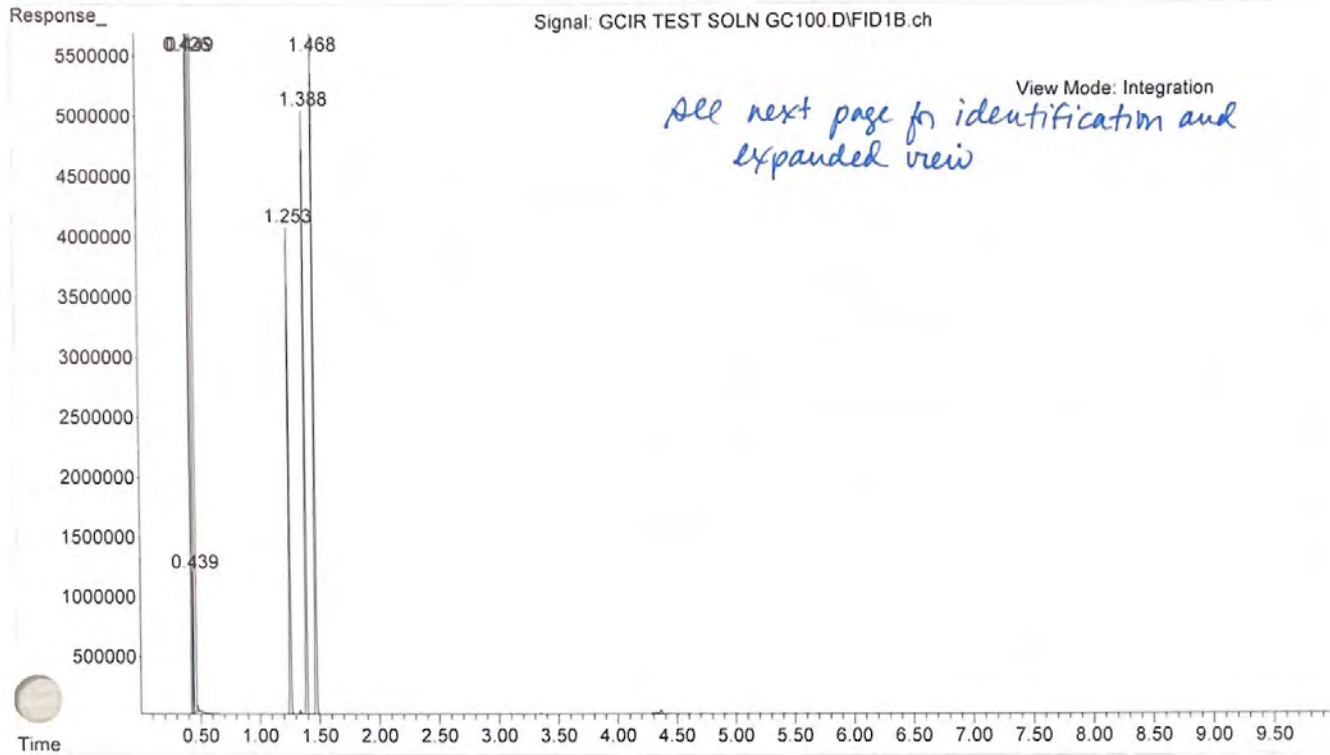
File :D:\MassHunter\GCMS\1\data\Standards --\GC100\CALIB STD MIX G
... C100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 17 Nov 2022 10:34 using AcqMethod GC100.M
Sample Name: CALIB STD MIX GC100
Misc Info : MeOH



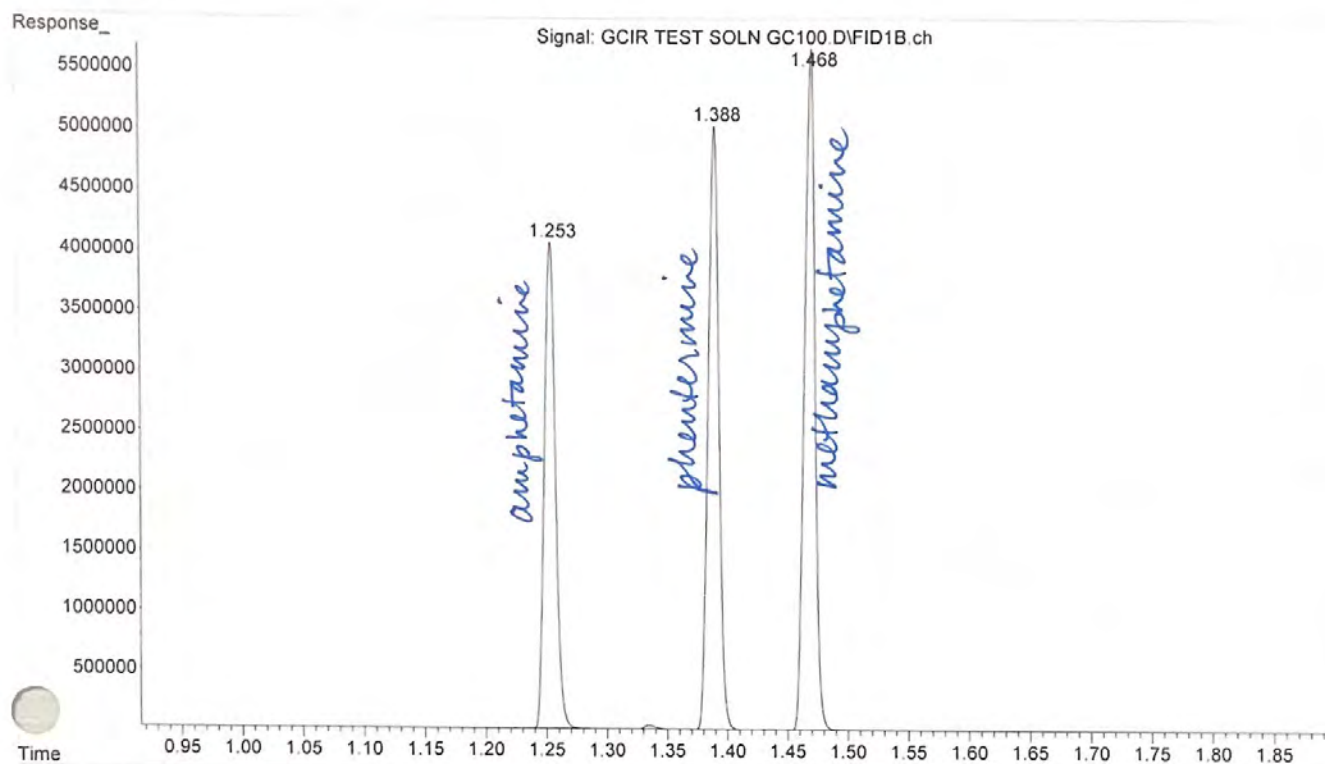
File :D:\MassHunter\GCMS\1\data\Standards --\ASGC100\BLANK GCIR TE
... ST SOLN GC100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 03 Nov 2022 18:21 using AcqMethod ASGC100.M
Sample Name: BLANK FOR GC/IR TEST SOLUTION
Misc Info : MeOH



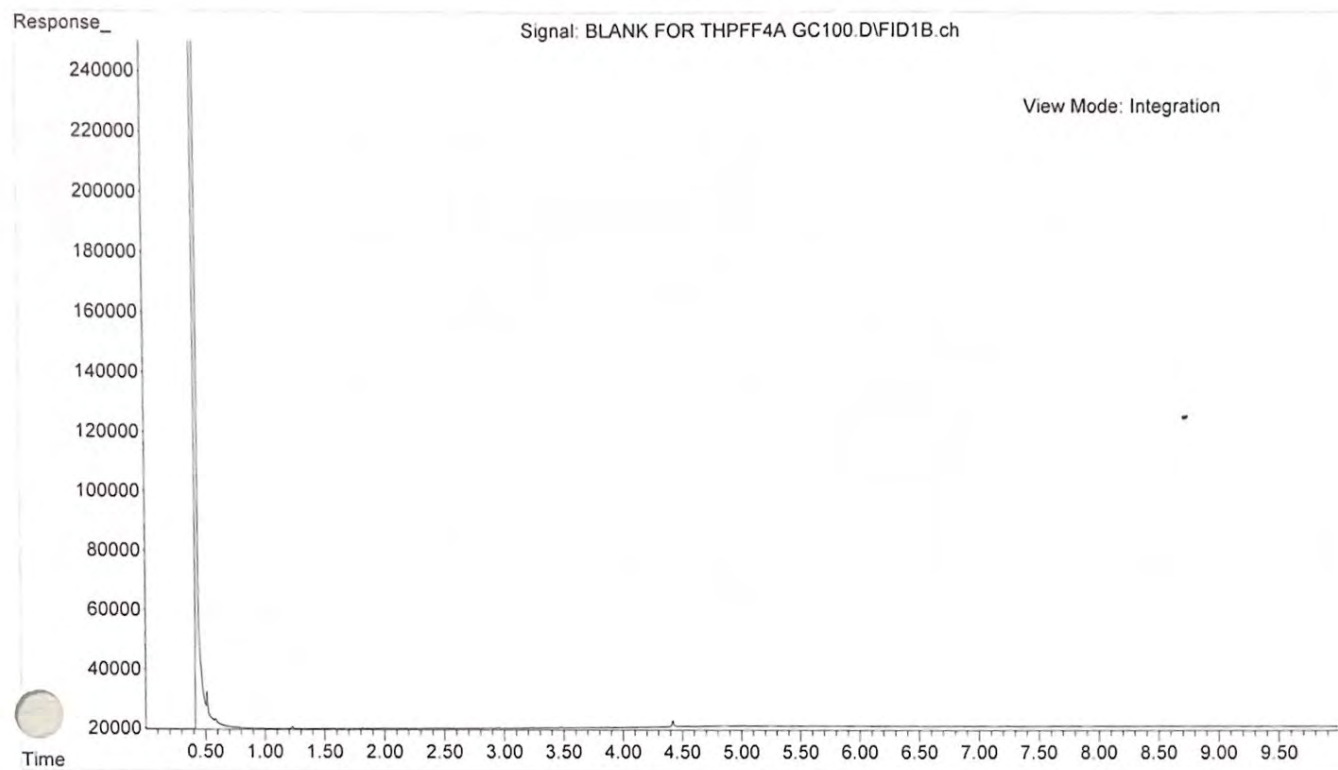
File :D:\MassHunter\GCMS\1\data\Standards --\ASGC100\GCIR TEST SOL
... N GC100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 03 Nov 2022 18:34 using AcqMethod ASGC100.M
Sample Name: GC/IR TEST SOLUTION (ASGC100)
Misc Info : MeOH



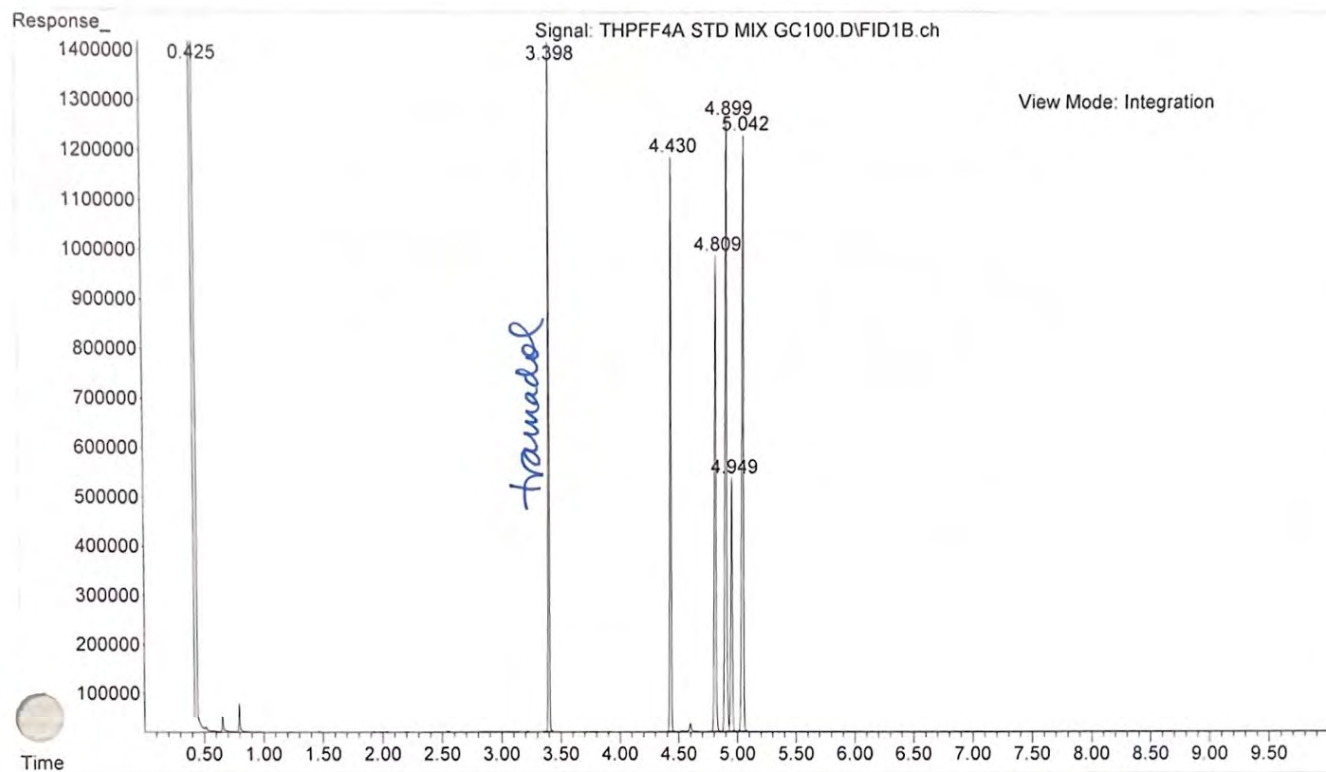
File :D:\MassHunter\GCMS\1\data\Standards --\ASGC100\GCIR TEST SOL
... N GC100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 03 Nov 2022 18:34 using AcqMethod ASGC100.M
Sample Name: GC/IR TEST SOLUTION (ASGC100)
Misc Info : MeOH



File :D:\MassHunter\GCMS\1\data\Standards --\ASGC100\BLANK FOR THP
... FF4A GC100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 03 Nov 2022 18:59 using AcqMethod ASGC100.M
Sample Name: BLANK FOR THPFF4A
Misc Info : MeOH

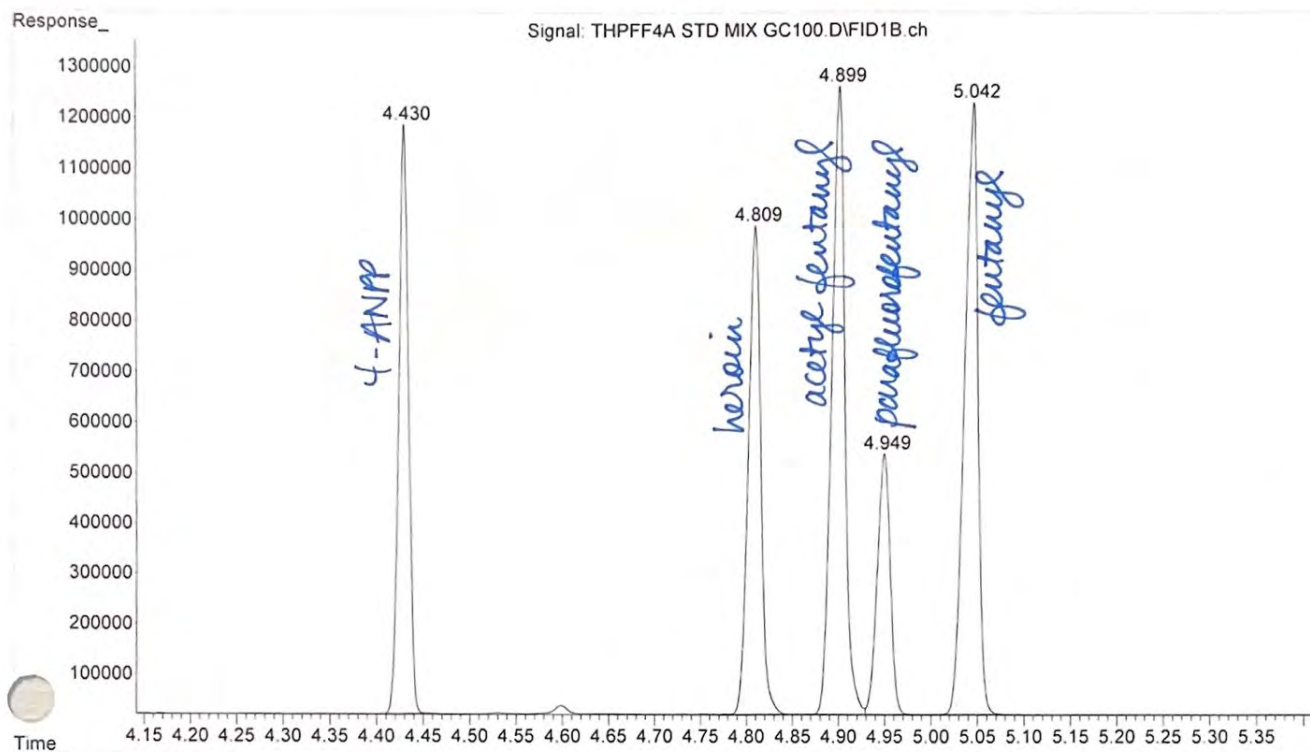


File :D:\MassHunter\GCMS\1\data\Standards --\ASGC100\THPFF4A STD M
... IX GC100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 03 Nov 2022 19:12 using AcqMethod ASGC100.M
Sample Name: THPFF4A STANDARD MIX
Misc Info : MeOH

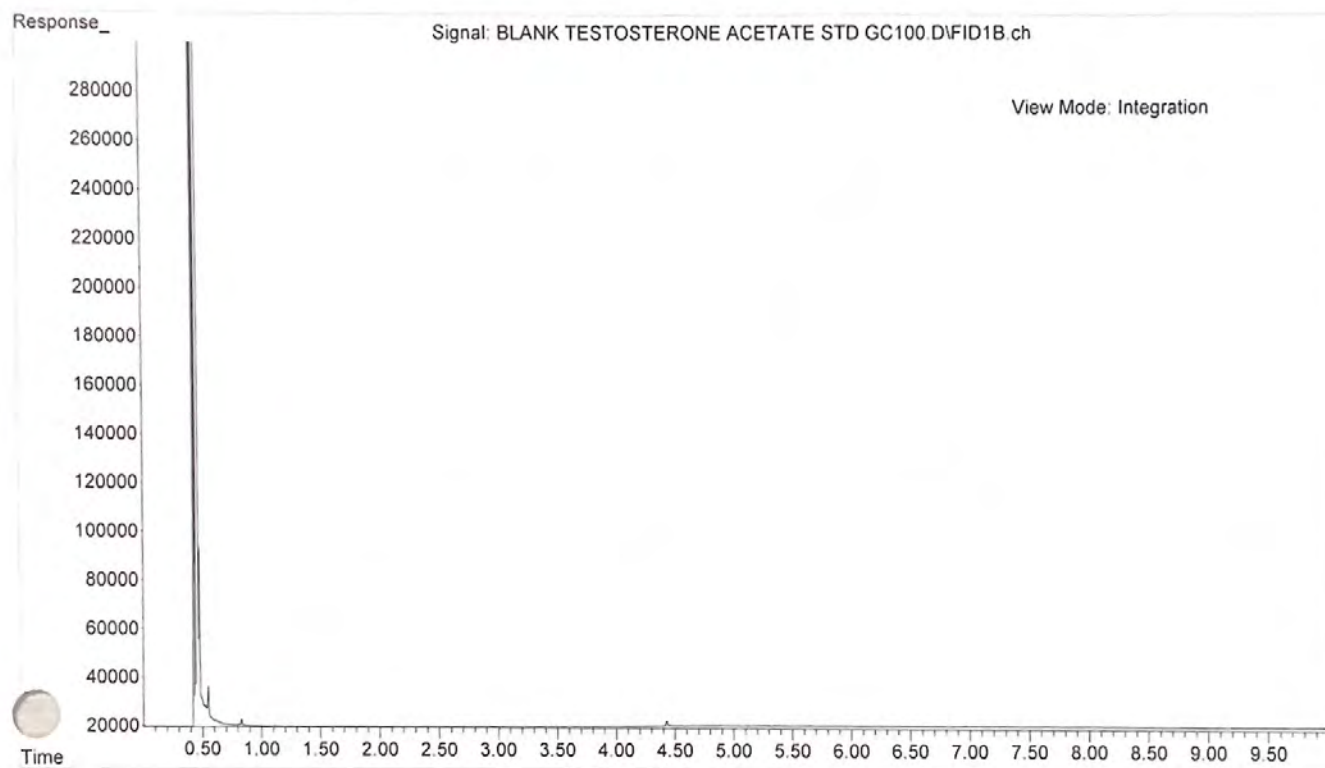


See next page for expanded view and further identifications.

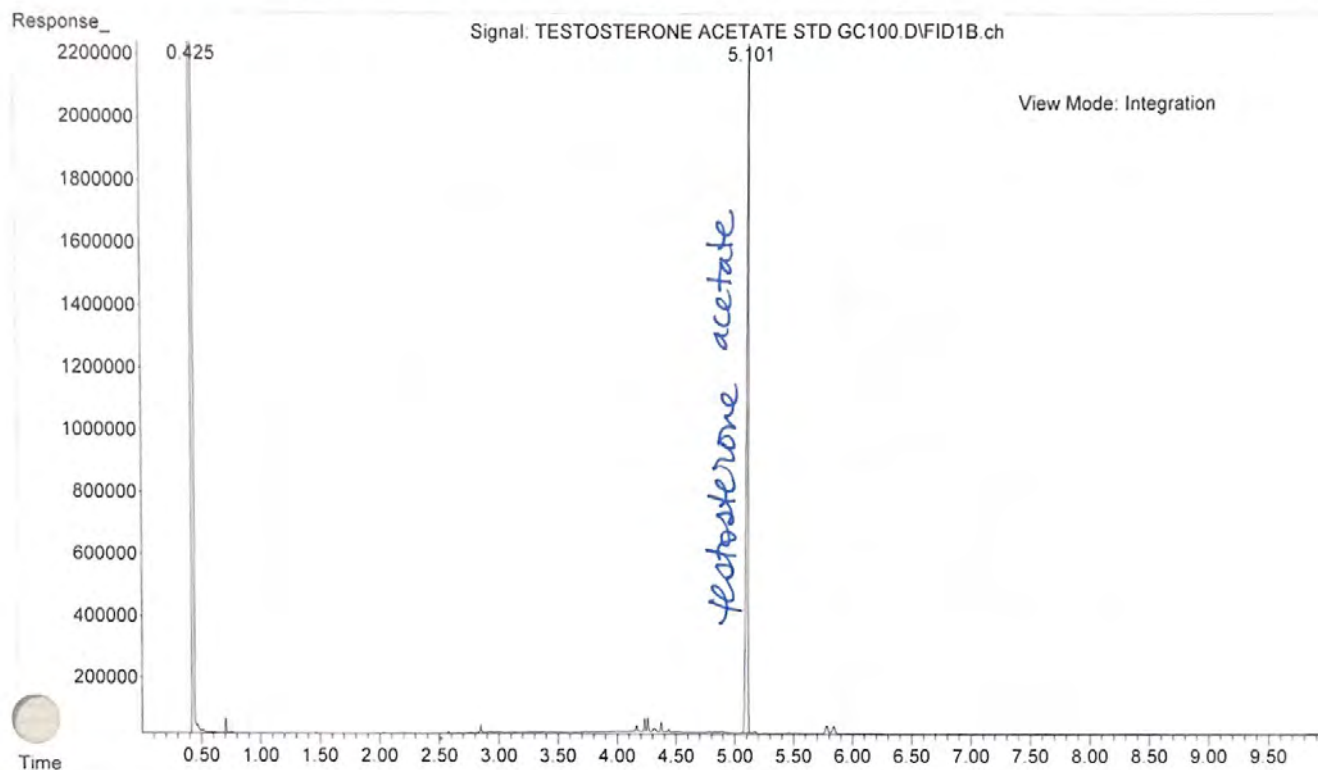
File :D:\MassHunter\GCMS\1\data\Standards --\ASGC100\THPFF4A STD M
... IX GC100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 03 Nov 2022 19:12 using AcqMethod ASGC100.M
Sample Name: THPFF4A STANDARD MIX
Misc Info : MeOH



File :D:\MassHunter\GCMS\1\data\Standards --\ASGC100\BLANK TESTOST
... ERONE ACETATE STD GC100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 03 Nov 2022 19:38 using AcqMethod ASGC100.M
Sample Name: BLANK FOR TESTOSTERONE ACETATE STD
Misc Info : 0.5N NaOH --> CHCl3



File :D:\MassHunter\GCMS\1\data\Standards --\ASGC100\TESTOSTERONE
... ACETATE STD GC100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 03 Nov 2022 19:51 using AcqMethod ASGC100.M
Sample Name: TESTOSTERONE ACETATE STD (ASGC100)
Misc Info : 0.5N NaOH --> CHCl3



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

INSTRUMENT CONTROL PARAMETERS: Alma

D:\MassHunter\GCMS\1\methods\GC200.M
Tue Nov 29 14:01:21 2022

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 10.013 min
Post Run Time 0 min

Oven
Temperature
Setpoint On
(Initial) 200 °C
Hold Time 1 min
Post Run 70 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 7.87 min

Equilibration Time 0.25 min
x Temperature 325 °C
ximum 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 4 µL
Solvent B Washes (PreInj) 0
Solvent B Washes (PostInj) 0
Solvent B Volume 4 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 3000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 3000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.5 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	4 µL
Solvent B Washes (PreInj)	0
Solvent B Washes (PostInj)	0
Solvent B Volume	4 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	3000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	3000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.5 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	3.3041 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	200 °C
Flow	10 psi
Average Velocity	0.62932 mL/min
Holdup Time	47.607 cm/sec
Control Mode	0.43761 min
	Constant Pressure

Column #2	
Pressure	On
Setpoint	15 psi
(Initial)	10 psi
Post Run	

Column Information	Agilent 19091S-913
Description	HP-1ms
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	Back Signal (FID)
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Front 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: US2227M017

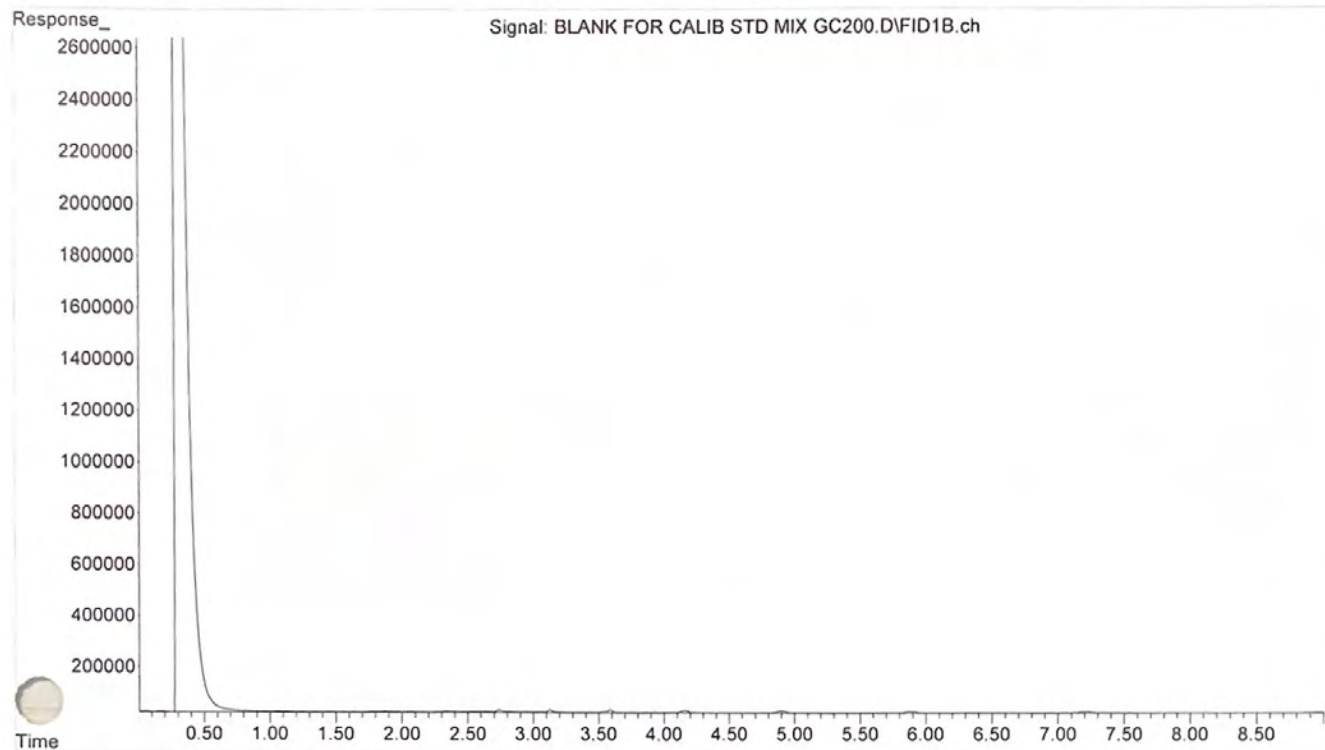
Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
34.899	:	REPELLER	
90.331	:	IONFOCUS	
27.717	:	ENTRANCE_LENS	
1057.682	:	EMVOLTS	
		1094.9	: Actual EMV
		1.00	: GAIN FACTOR
3306.000	:	AMUGAIN	
141.563	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
9.621	:	ENTLENSOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
507.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

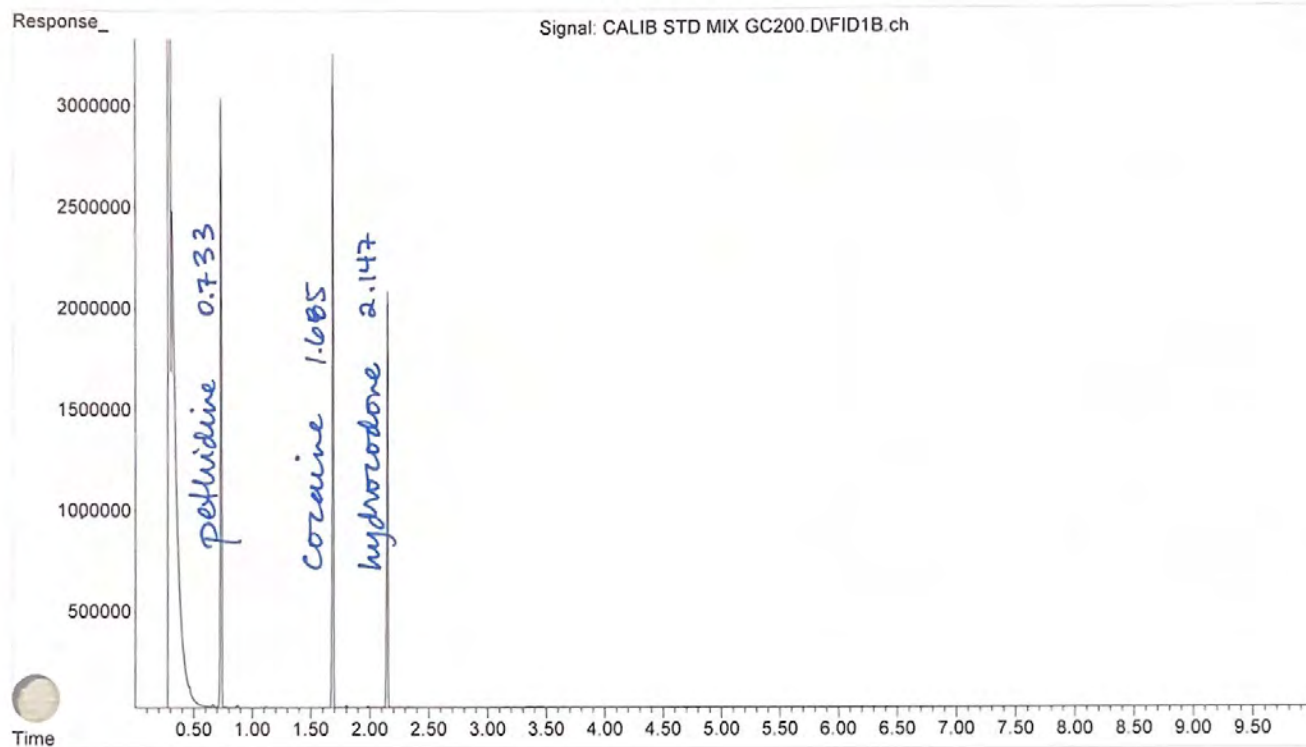
END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

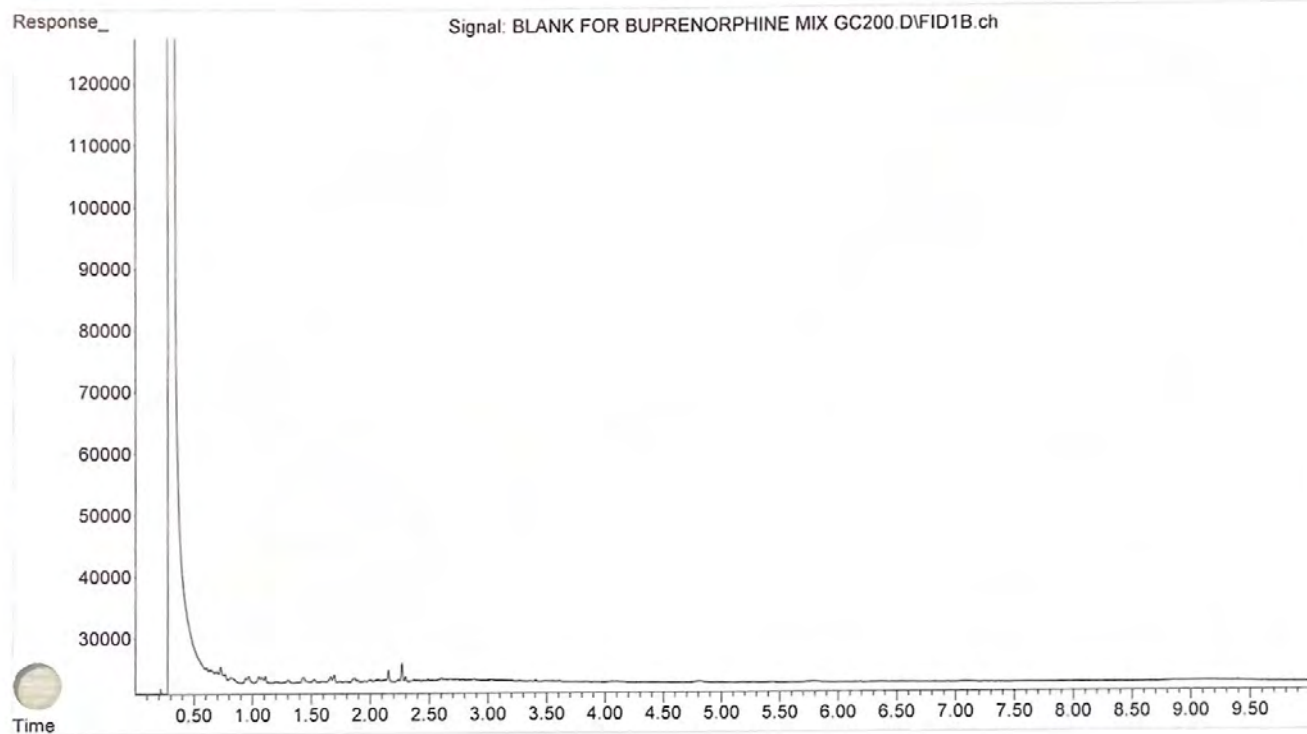
File :D:\MassHunter\GCMS\1\data\Standards --\GC200\BLANK FOR CALIB
... STD MIX GC200.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 21 Nov 2022 10:22 using AcqMethod GC200.M
Sample Name: BLANK FOR CALIB STD MIX GC200
Misc. Info : MeOH



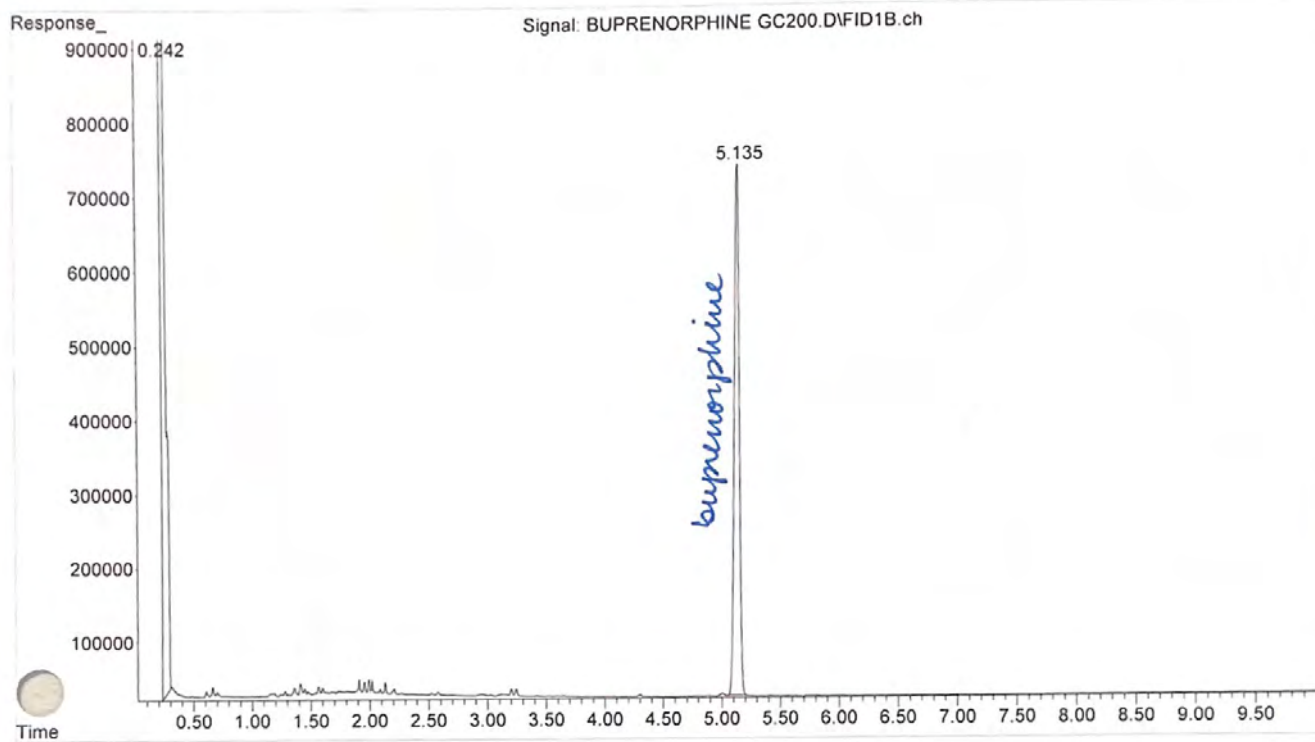
File :D:\MassHunter\GCMS\1\data\Standards --\GC200\CALIB STD MIX G
... C200.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 21 Nov 2022 10:33 using AcqMethod GC200.M
Sample Name: CALIB STD MIX GC200
Misc Info : MeOH



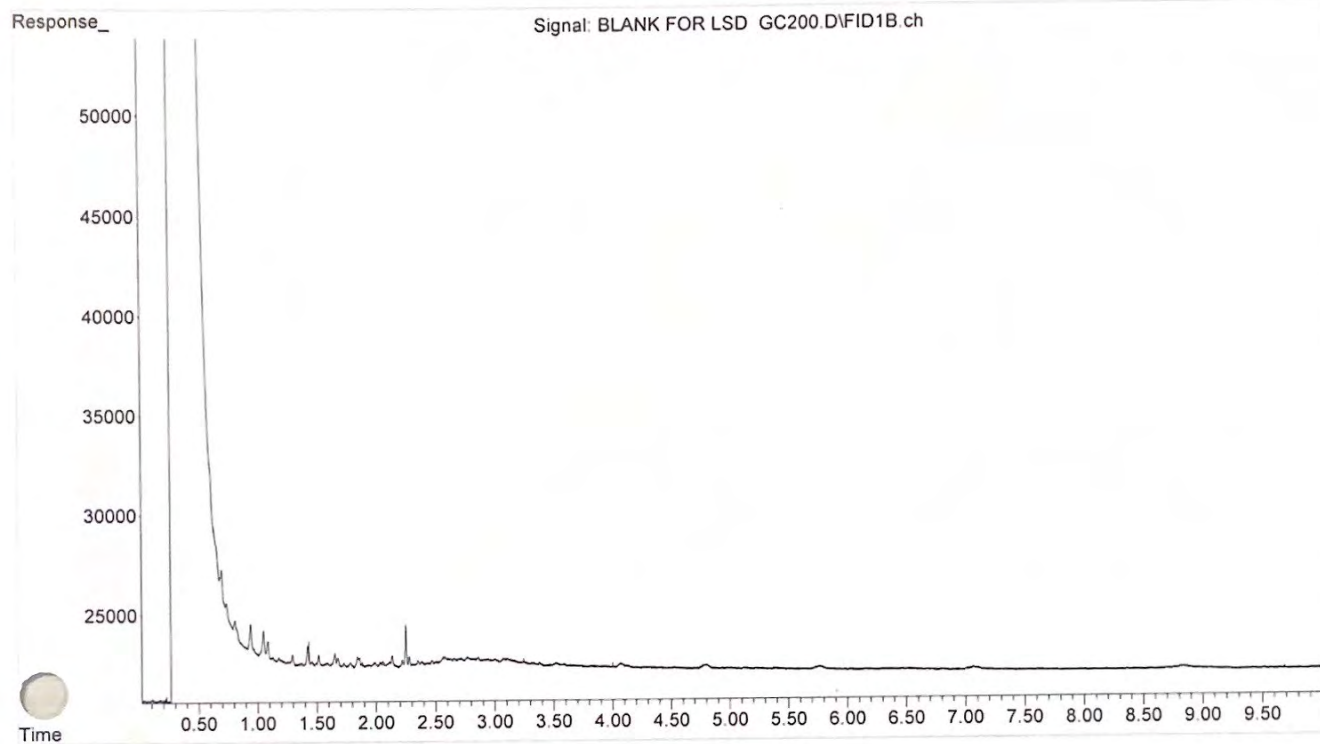
File :D:\MassHunter\GCMS\1\data\Standards --\GC200\BLANK FOR BUPRE
... NORPHINE MIX GC200.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 21 Nov 2022 10:58 using AcqMethod GC200.M
Sample Name: BLANK FOR BUPRENORPHINE MIX GC200
Misc fo : MeOH



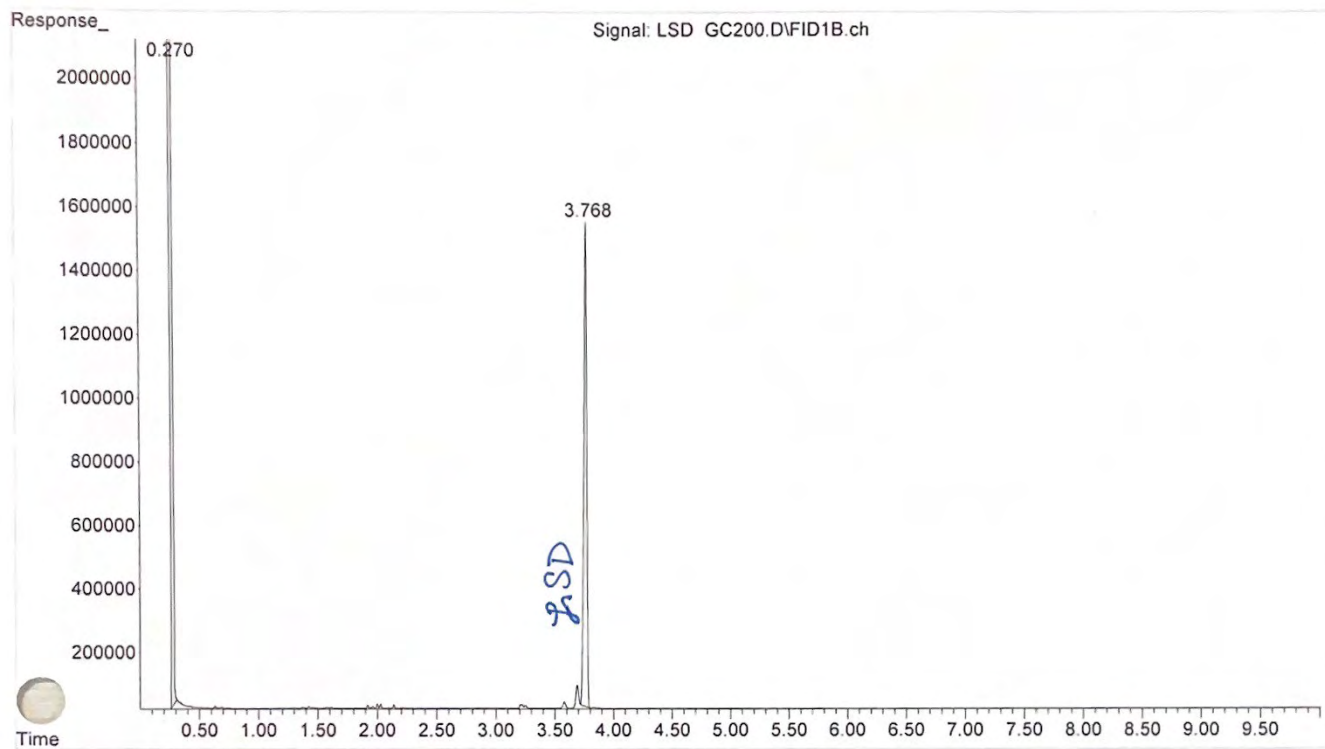
File :D:\MassHunter\GCMS\1\data\Standards --\GC200\BUPRENORPHINE G
... C200.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 21 Nov 2022 11:10 using AcqMethod GC200.M
Sample Name: BUPRENORPHINE GC200
Misc Info : MeOH



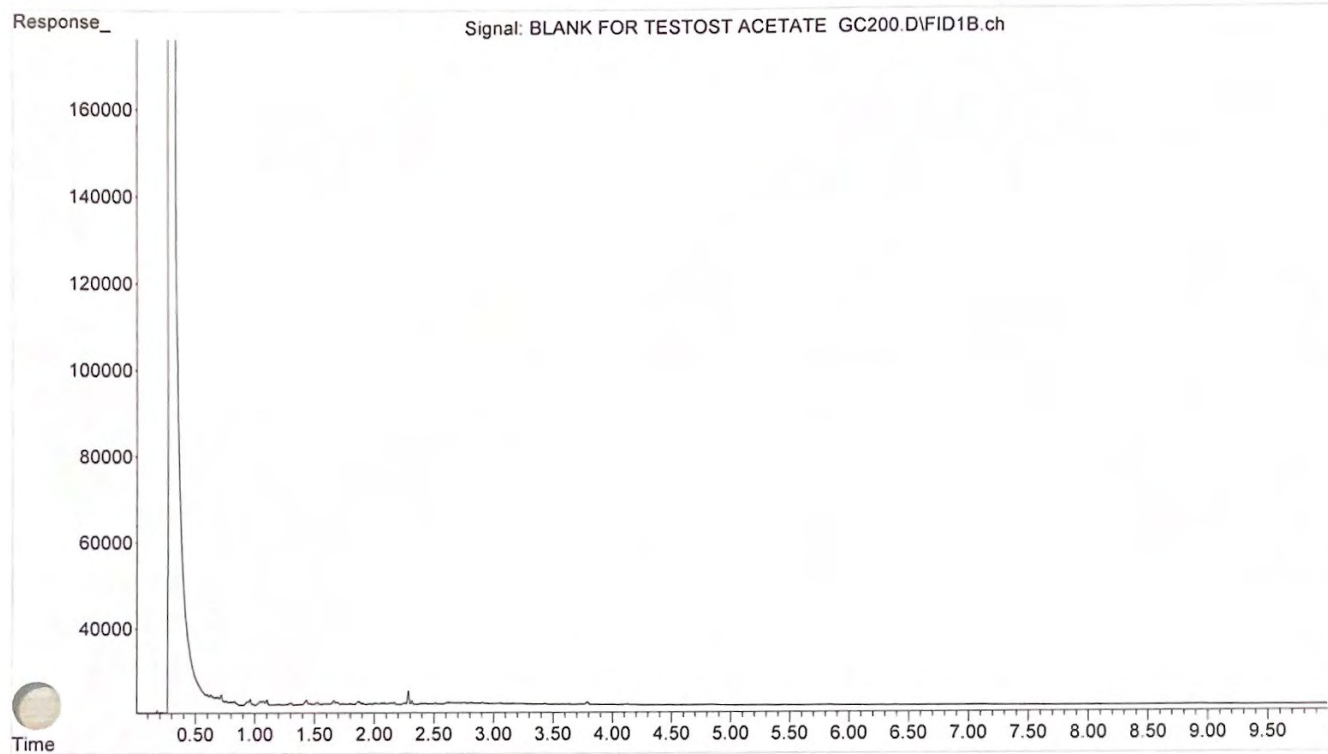
File :D:\MassHunter\GCMS\1\data\Standards --\GC200\BLANK FOR LSD
... GC200.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 21 Nov 2022 11:39 using AcqMethod GC200.M
Sample Name: BLANK FOR LSD GC200
Misc Info : MeOH



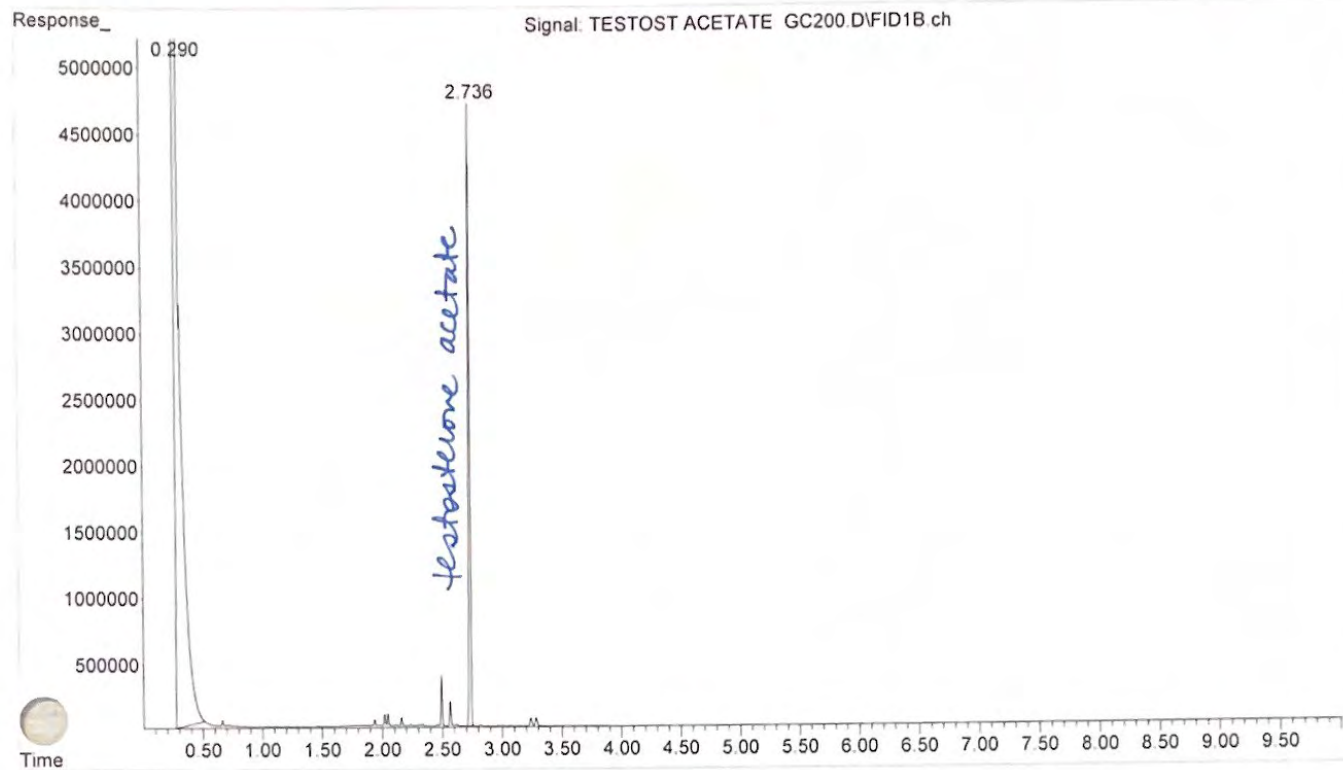
File :D:\MassHunter\GCMS\1\data\Standards --\GC200\LSD GC200.D
Operator : JEN BACHMAN
Acquired : 21 Nov 2022 11:51 using AcqMethod GC200.M
Instrument : Alma
Sample Name: LSD GC200
Misc Info : MeOH
Via mber: 5



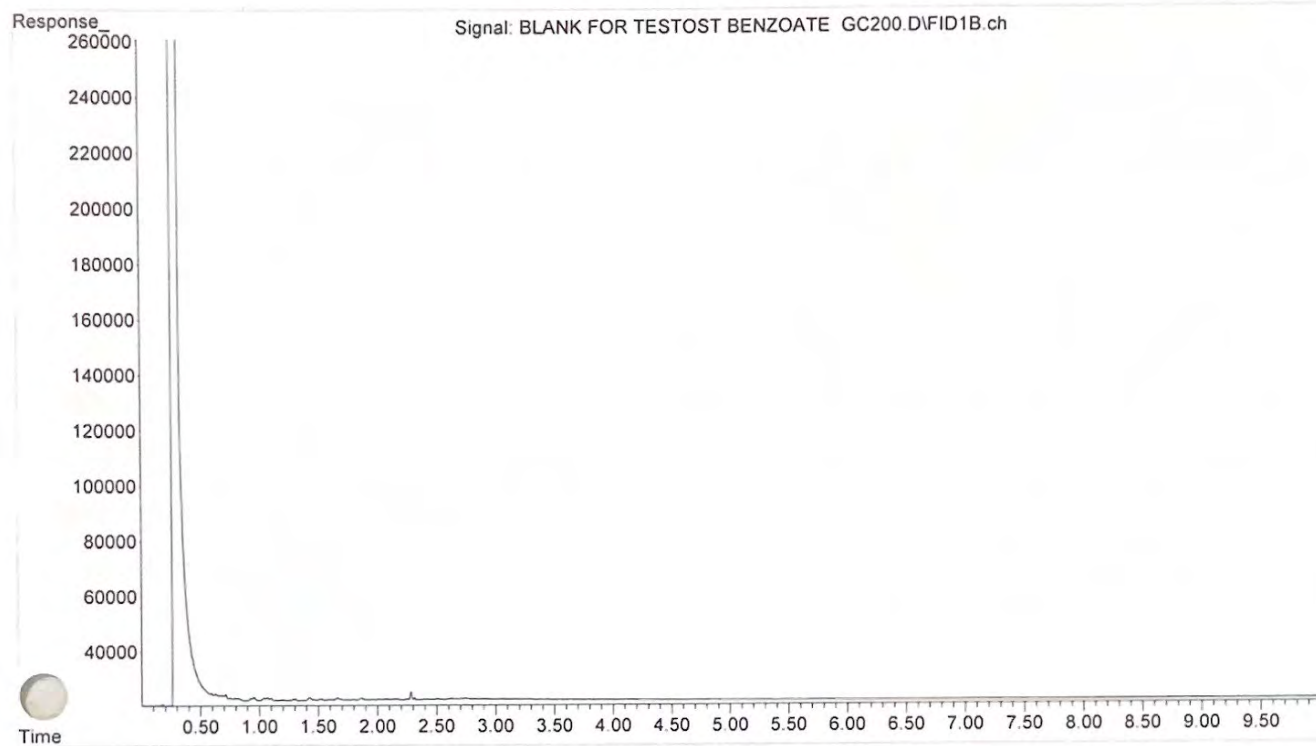
File :D:\MassHunter\GCMS\1\data\Standards --\GC200\BLANK FOR TESTO
... ST ACETATE GC200.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 21 Nov 2022 12:22 using AcqMethod GC200.M
Sample Name: BLANK FOR TESTOST ACETATE GC200
Misc Info : MeOH



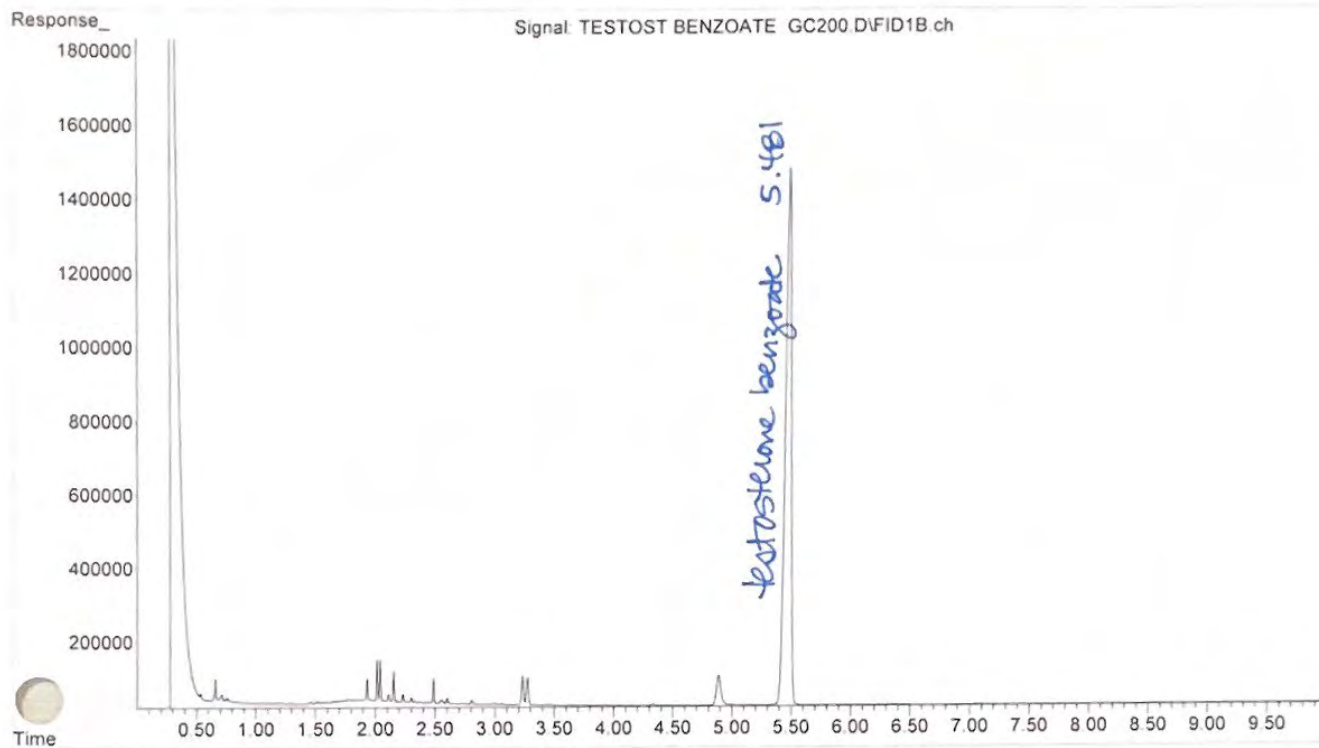
File :D:\MassHunter\GCMS\1\data\Standards --\GC200\TESTOST ACETATE
... GC200.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 21 Nov 2022 12:37 using AcqMethod GC200.M
Sample Name: TESTOST ACETATE GC200
Misc Info : MeOH



File :D:\MassHunter\GCMS\1\data\Standards --\GC200\BLANK FOR TESTO
... ST BENZOATE GC200.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 21 Nov 2022 13:08 using AcqMethod GC200.M
Sample Name: BLANK FOR TESTOST BENZOATE GC200
Misc fo : MeOH



File :D:\MassHunter\GCMS\1\data\Standards --\GC200\TESTOST BENZOAT
... E GC200.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 21 Nov 2022 13:22 using AcqMethod GC200.M
Sample Name: TESTOST BENZOATE GC200
Misc fo : MeOH



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

INSTRUMENT CONTROL PARAMETERS: Alma

D:\MassHunter\GCMS\1\methods\GC150ISO.M
Tue Nov 29 14:18:44 2022

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 70 °C
Program
#1 Rate 70 °C/min
#1 Value 150 °C
#1 Hold Time 9 min

Equilibration Time 0.25 min
Ex Temperature 325 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS

Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 0
Solvent A Washes (PostInj) 0
Solvent A Volume 4 µL
Solvent B Washes (PreInj) 0
Solvent B Washes (PostInj) 0
Solvent B Volume 4 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 3000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 3000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.5 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	4 µL
Solvent B Washes (PreInj)	0
Solvent B Washes (PostInj)	0
Solvent B Volume	4 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	3000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	3000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.5 µL
Solvent Wash Mode	A, B
Sample Overlap Mode	Sample overlap is not enabled
ALS Errors	Pause for user interaction
Front SS Inlet He	Off
Helium Conservation Controlled 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	Off
Helium Conservation Controlled 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	3.3041 psi

Column Information	Agilent 19091S-602
Description	HP-lms
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	150 °C
Flow	10 psi
Average Velocity	0.75921 mL/min
Holdup Time	51.363 cm/sec
Control Mode	0.40561 min
	Constant Pressure

Column #2	
Pressure	
Setpoint	On
(Initial)	12.5 psi
Post Run	10 psi

Column Information	Agilent 19091S-913
Description	HP-lms
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)	150 °C
Pressure	12.5 psi
Flow	3.5849 mL/min
Average Velocity	72.069 cm/sec
Holdup Time	0.34689 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	Front 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: US2227M017

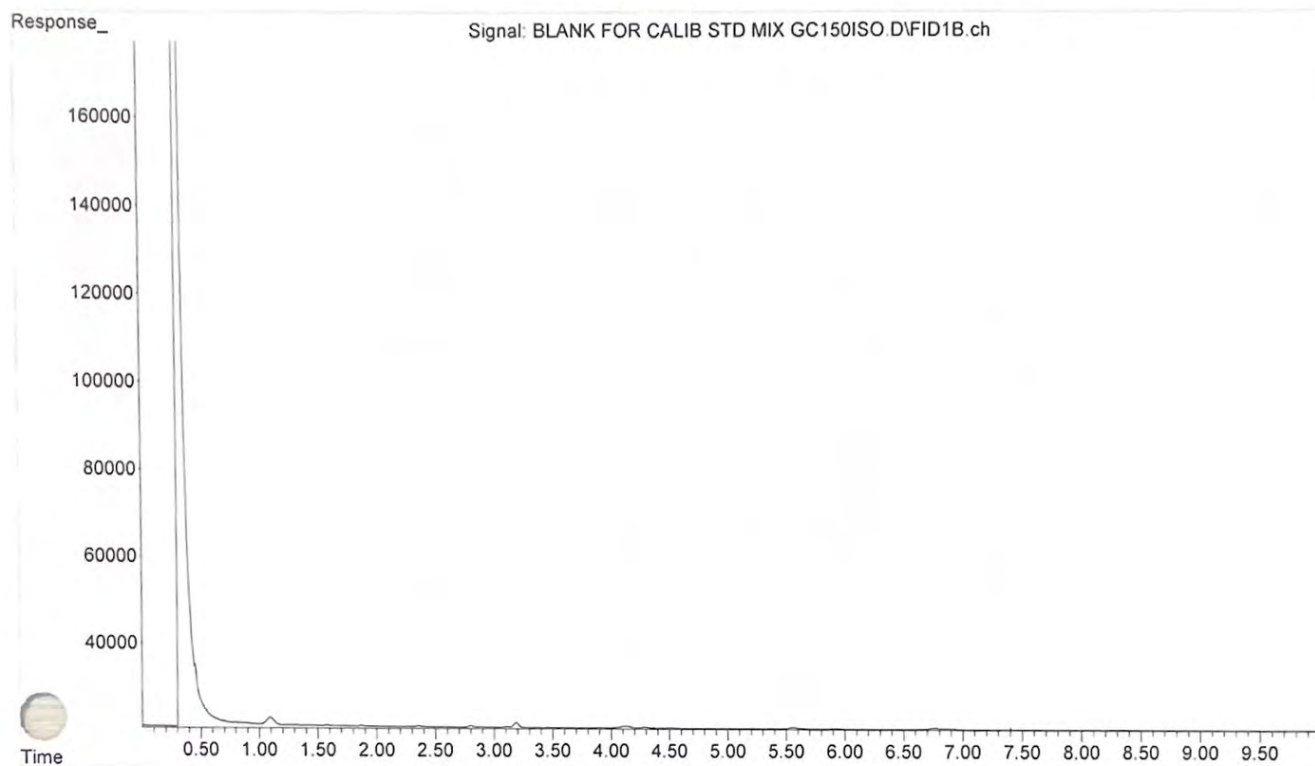
Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
34.899	:	REPELLER	
90.331	:	IONFOCUS	
27.717	:	ENTRANCE_LENS	
1057.682	:	EMVOLTS	
			1094.9 : Actual EMV
			1.00 : GAIN FACTOR
3306.000	:	AMUGAIN	
141.563	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
9.621	:	ENTLENSOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
507.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

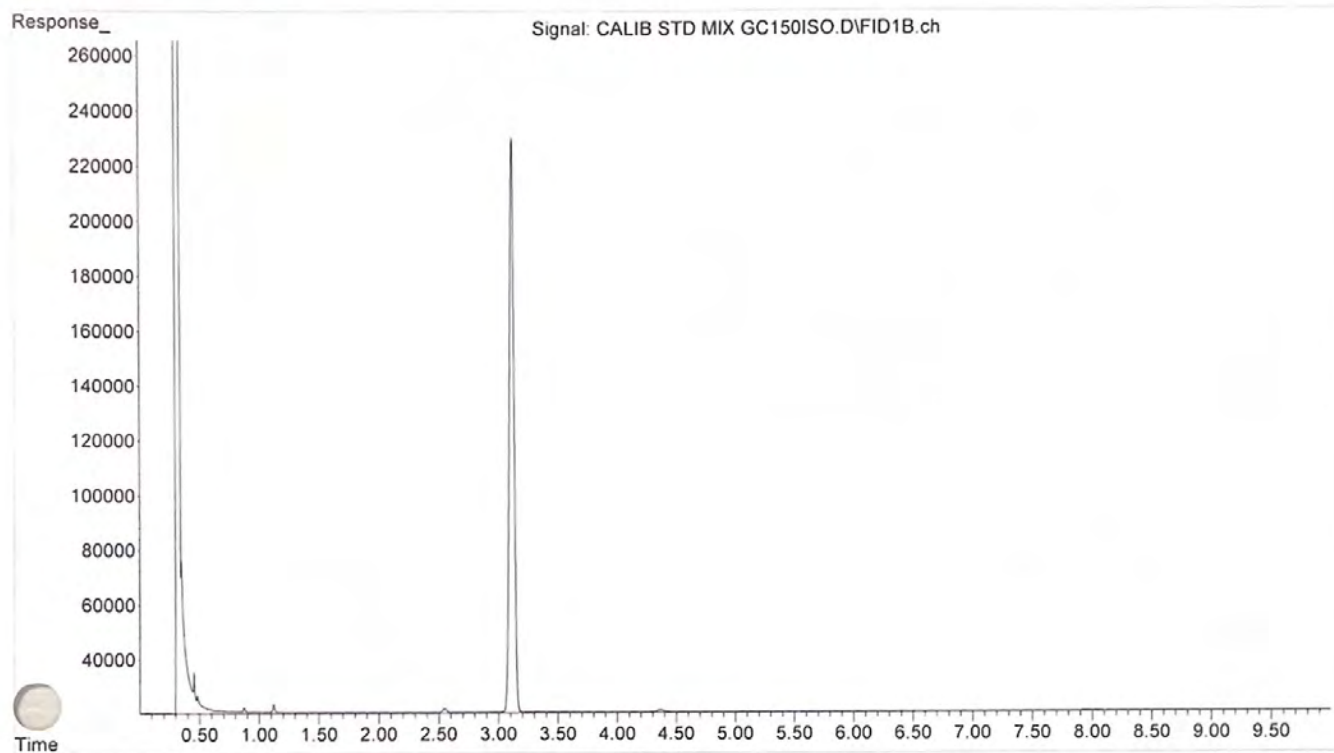
END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

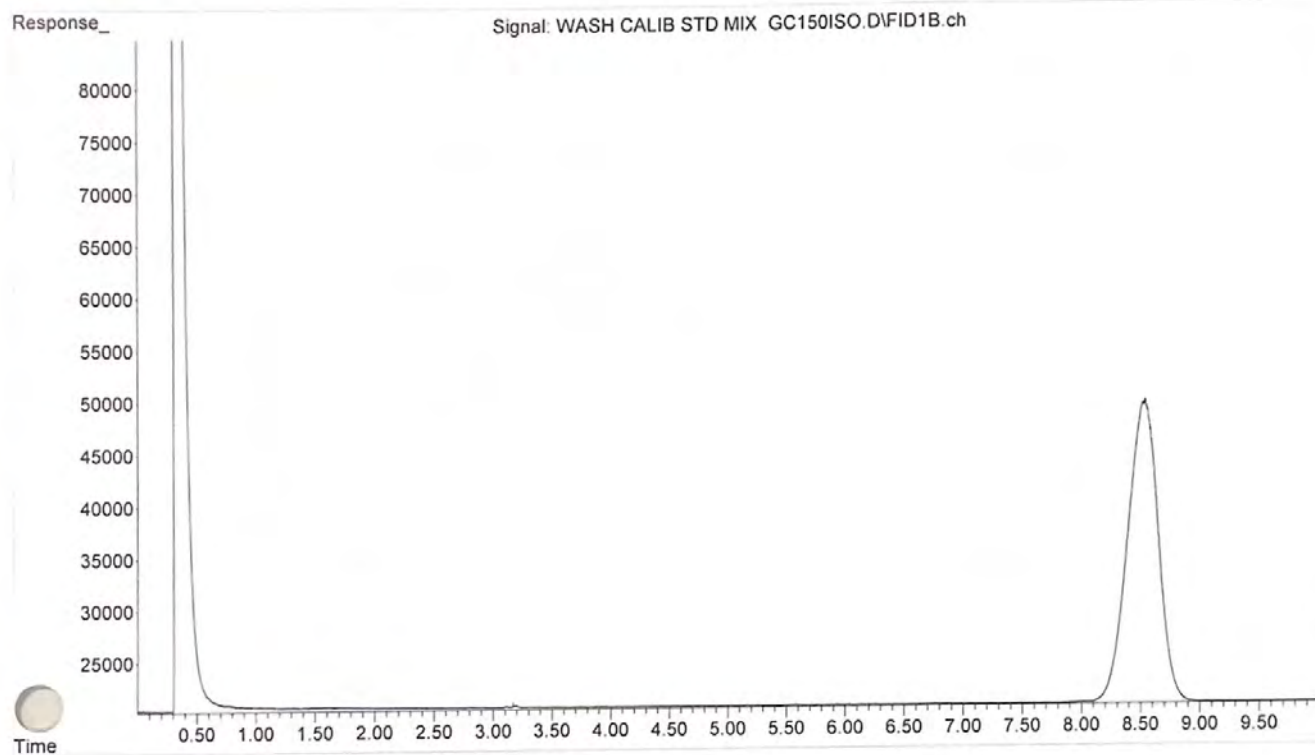
File :D:\MassHunter\GCMS\1\data\Standards --\GC150ISO\BLANK FOR CA
... LIB STD MIX GC150ISO.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 21 Nov 2022 09:14 using AcqMethod GC150ISO.M
Sample Name: BLANK FOR CALIB STD MIX GC150ISO
Misc Info : MeOH



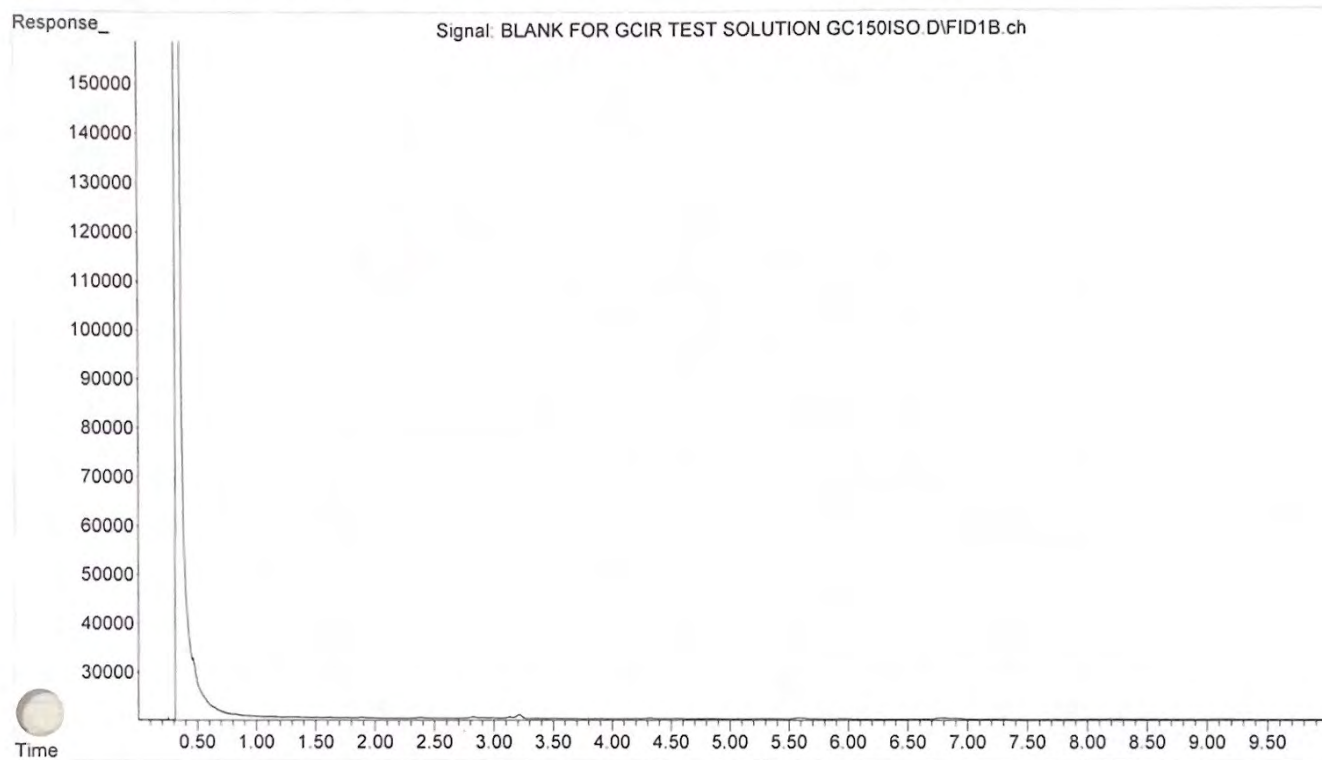
File :D:\MassHunter\GCMS\1\data\Standards --\GC150ISO\CALIB STD MI
... X GC150ISO.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 21 Nov 2022 09:25 using AcqMethod GC150ISO.M
Sample Name: CALIB STD MIX GC150ISO
Misc Info : MeOH



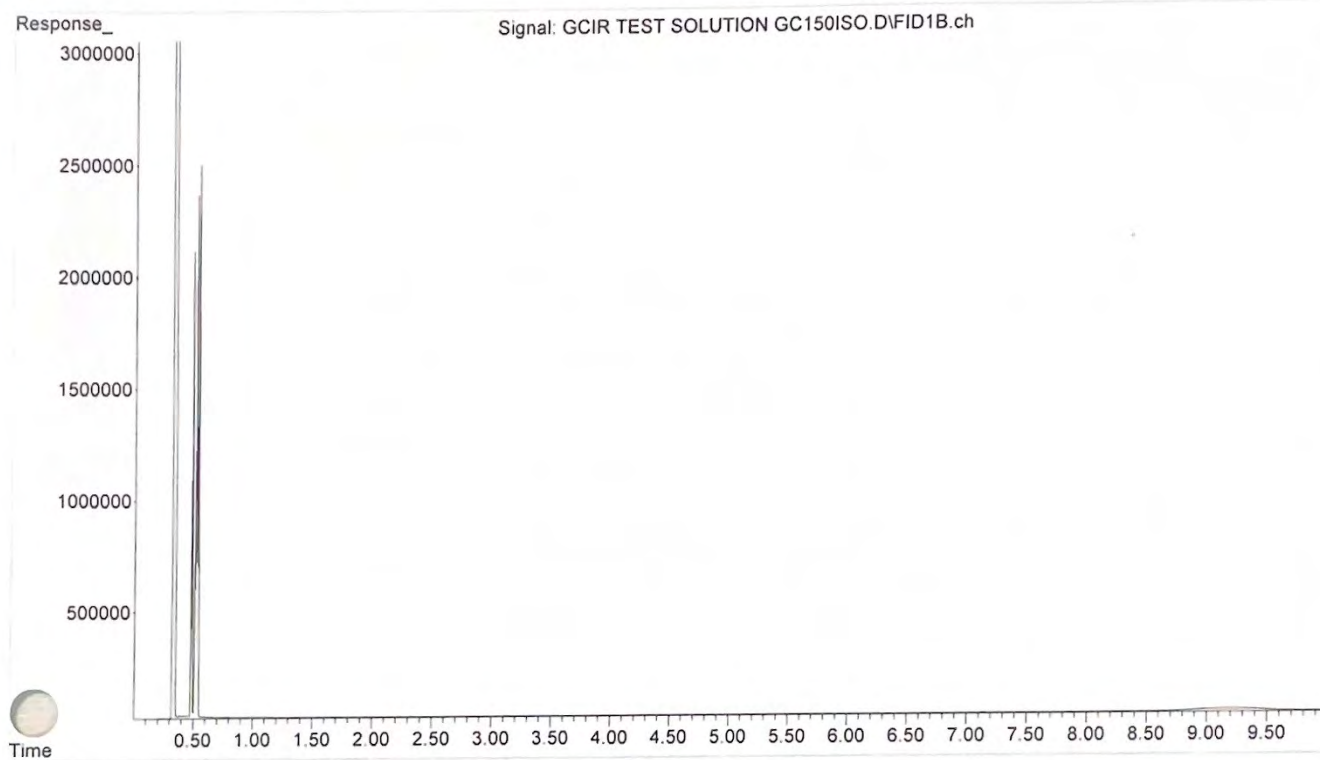
File :D:\MassHunter\GCMS\1\data\Standards --\GC150ISO\WASH CALIB S
... TD MIX GC150ISO.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 21 Nov 2022 09:36 using AcqMethod GC150ISO.M
Sample Name: WASH CALIB STD MIX GC150ISO
Misc fo : MeOH



File :D:\MassHunter\GCMS\1\data\Standards --\GC150ISO\BLANK FOR GC
... IR TEST SOLUTION GC150ISO.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 21 Nov 2022 09:47 using AcqMethod GC150ISO.M
Sample Name: BLANK FOR GCIR TEST SOLUTION GC150ISO
Misc fo : 0.5N NaOH --> CHCl3

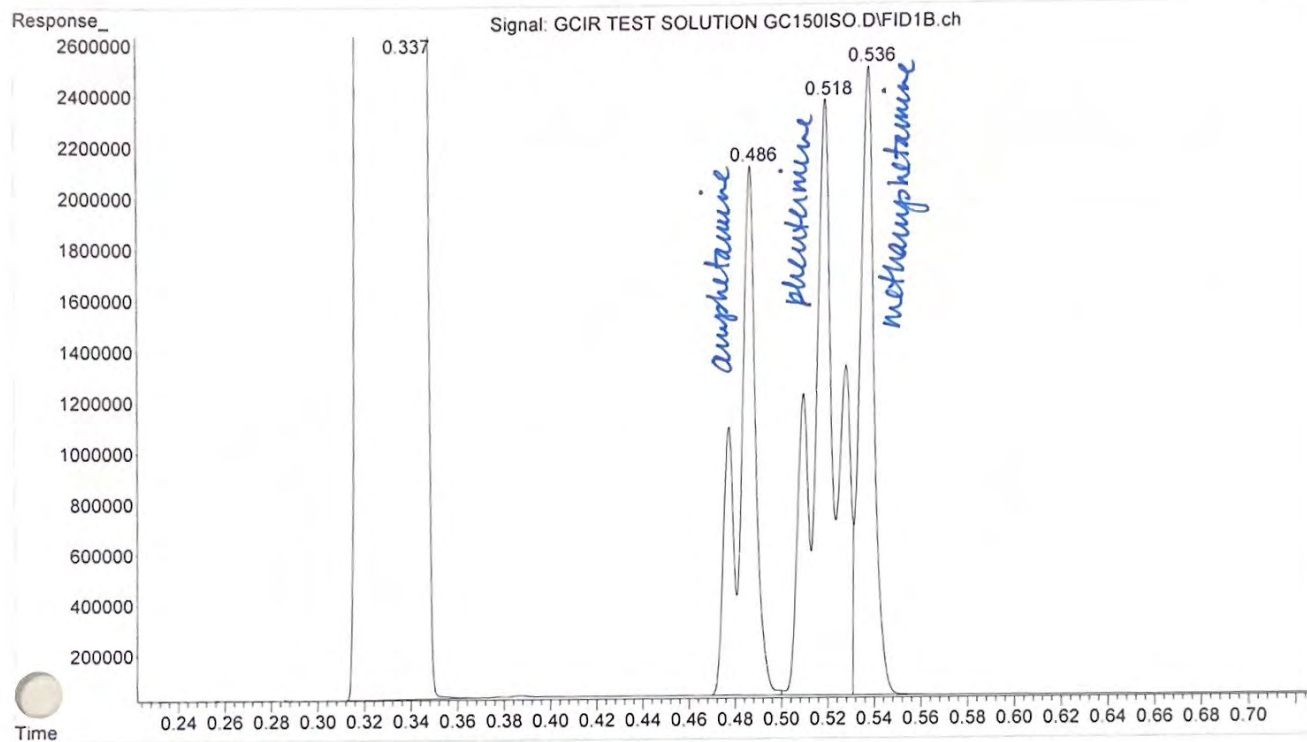


File :D:\MassHunter\GCMS\1\data\Standards --\GC150ISO\GCIR TEST SO
... LUTION GC150ISO.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 21 Nov 2022 09:58 using AcqMethod GC150ISO.M
Sample Name: GCIR TEST SOLUTION GC150ISO
Misc Info : 0.5N NaOH --> CHCl3



see next page for expanded view and
identification

File :D:\MassHunter\GCMS\1\data\Standards --\GC150ISO\GCIR TEST SO
... LUTION GC150ISO.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 21 Nov 2022 09:58 using AcqMethod GC150ISO.M
Sample Name: GCIR TEST SOLUTION GC150ISO
Misc fo : 0.5N NaOH --> CHCl3



→ injection volume was ~ 2 μ l.

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 a manual injection GC 280 Isothermal / 10 minute method.

END OF METHOD CONTROL PARAMETERS

INSTRUMENT CONTROL PARAMETERS: Alma

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

Tue Nov 29 14:19:59 2022

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 70 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 9 min

Equilibration Time 0.25 min
Max Temperature 325 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS

Front Injector

Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 0
Solvent A Washes (PostInj) 0
Solvent A Volume 4 µL
Solvent B Washes (PreInj) 0
Solvent B Washes (PostInj) 0
Solvent B Volume 4 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 3000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 3000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.5 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	4 µL
Solvent B Washes (PreInj)	0
Solvent B Washes (PostInj)	0
Solvent B Volume	4 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	3000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	3000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.5 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	3.3041 psi

Column Information

Description

Temperature Range

Dimensions

Heater

Column lock

Out

(Initial)

Pressure

Flow

Average Velocity

Holdup Time

Control Mode

Column #2

Pressure

Setpoint

(Initial)

Post Run

Column Information

Description

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-lms

-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

On

17.5 psi

10 psi

Agilent 19091S-913

HP-lms

-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

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	Front 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: US2227M017

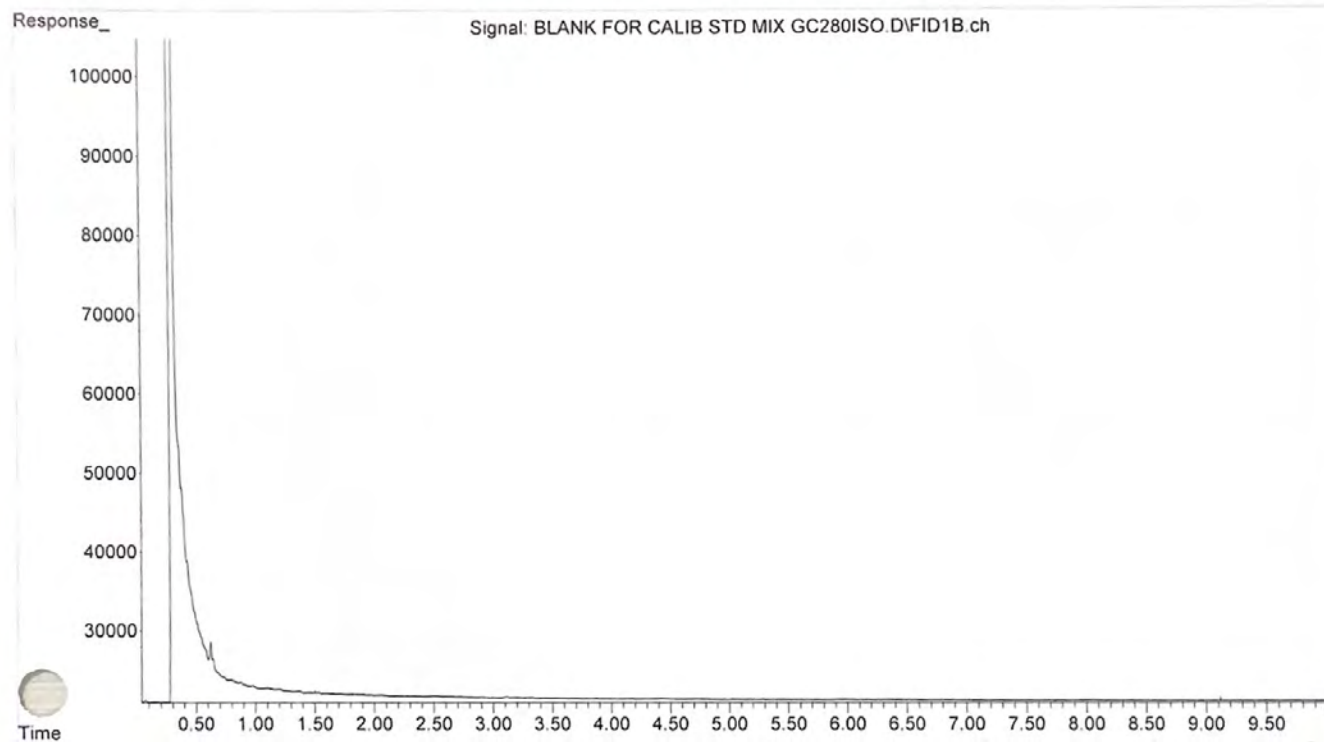
Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
34.899	:	REPELLER	
90.331	:	IONFOCUS	
27.717	:	ENTRANCE_LENS	
1057.682	:	EMVOLTS	
			1094.9 : Actual EMV
			1.00 : GAIN FACTOR
3306.000	:	AMUGAIN	
141.563	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
9.621	:	ENTLENSOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
507.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

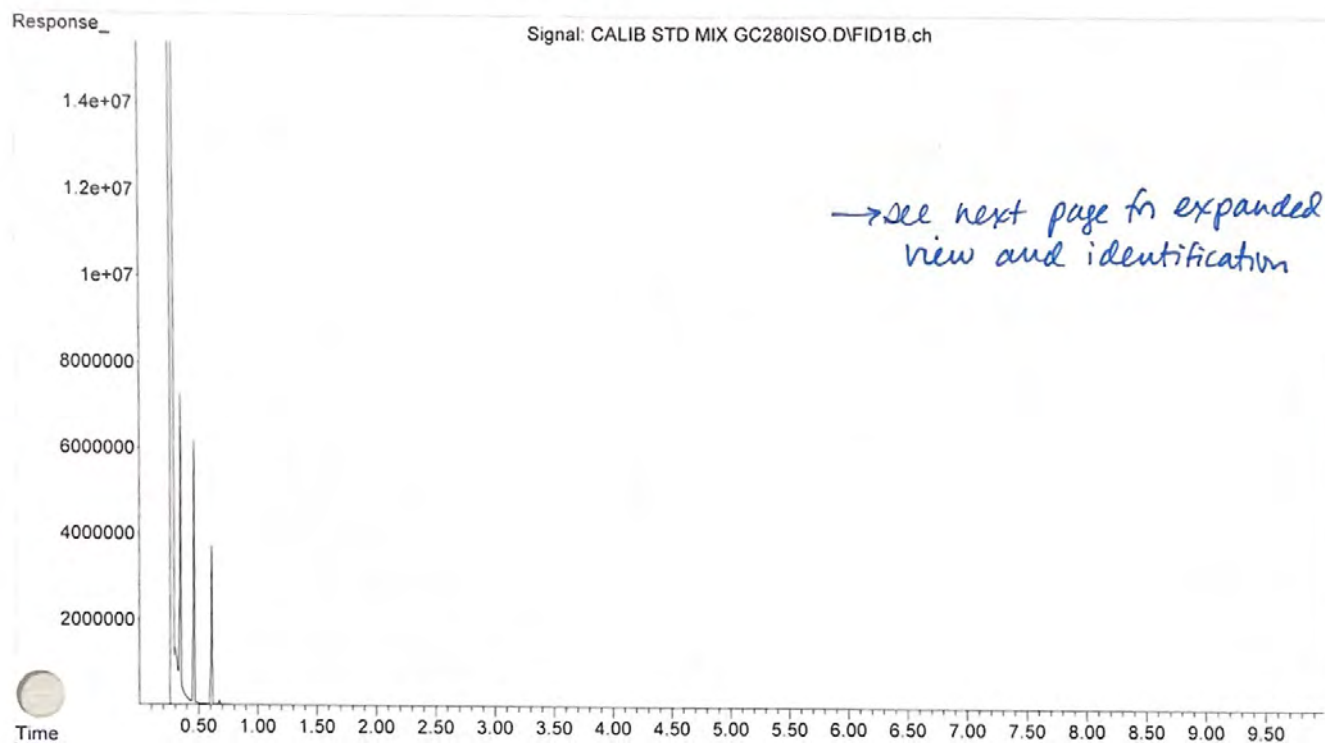
END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

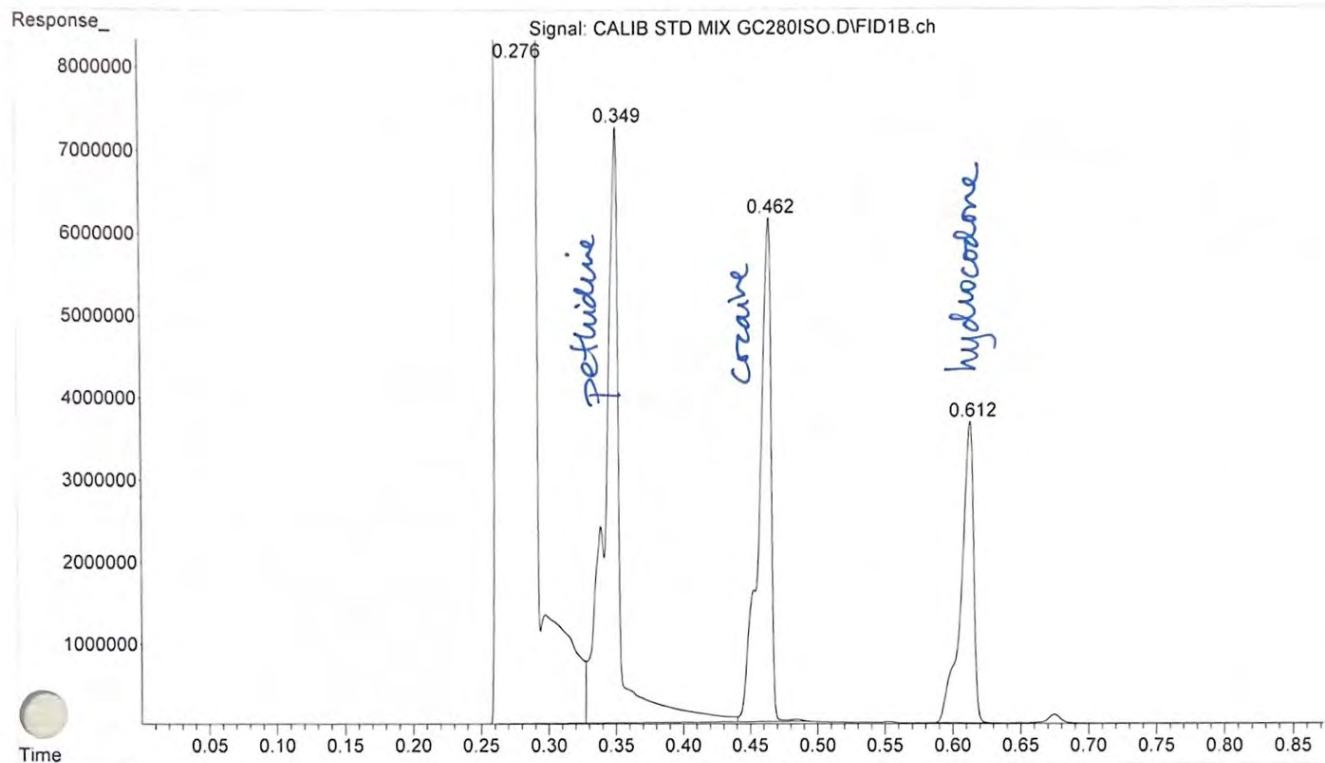
File :D:\MassHunter\GCMS\1\data\Standards --\GC280ISO\BLANK FOR CA
... LIB STD MIX GC280ISO.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 18 Nov 2022 12:59 using AcqMethod GC280ISO.M
Sample Name: BLANK FOR CALIB STD MIX GC280ISO
Misc Info : MeOH



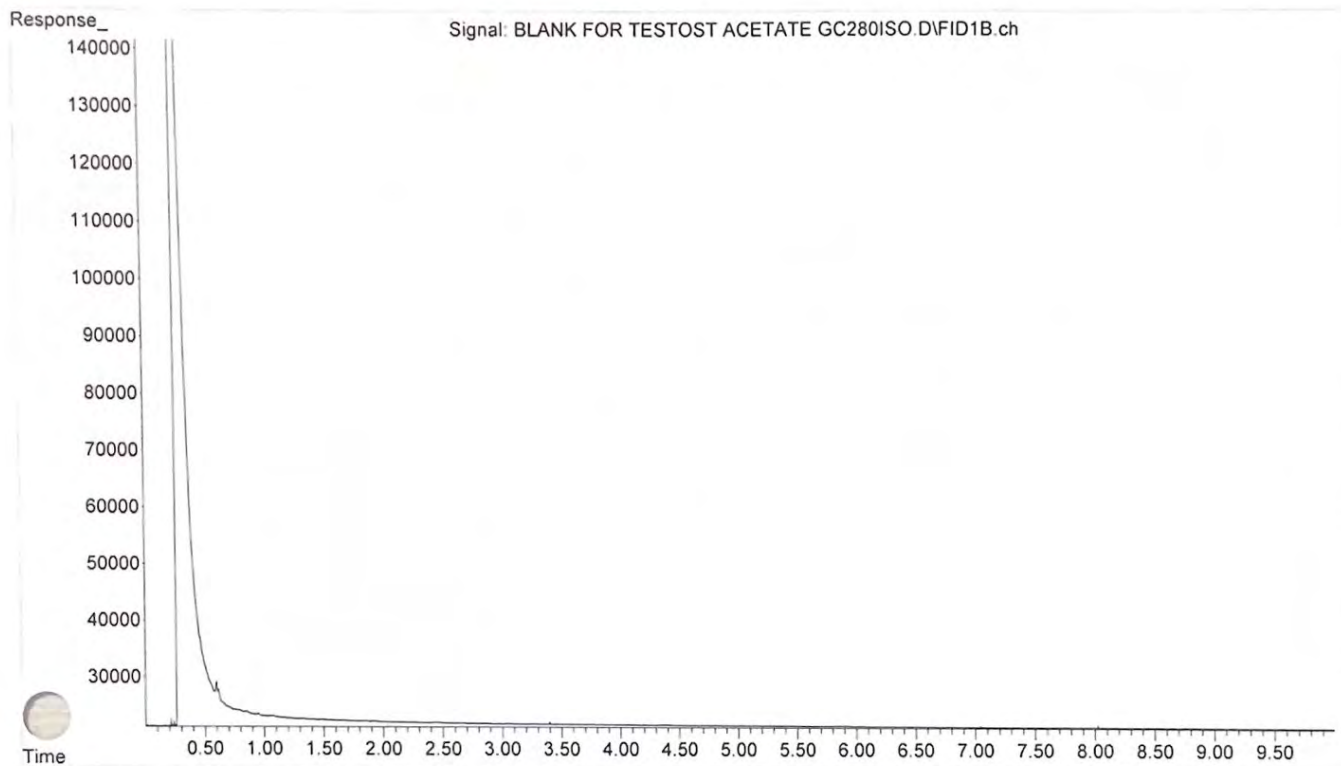
File :D:\MassHunter\GCMS\1\data\Standards --\GC280ISO\CALIB STD MI
... X GC280ISO.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 18 Nov 2022 13:10 using AcqMethod GC280ISO.M
Sample Name: CALIB STD MIX GC280ISO
Misc fo : MeOH



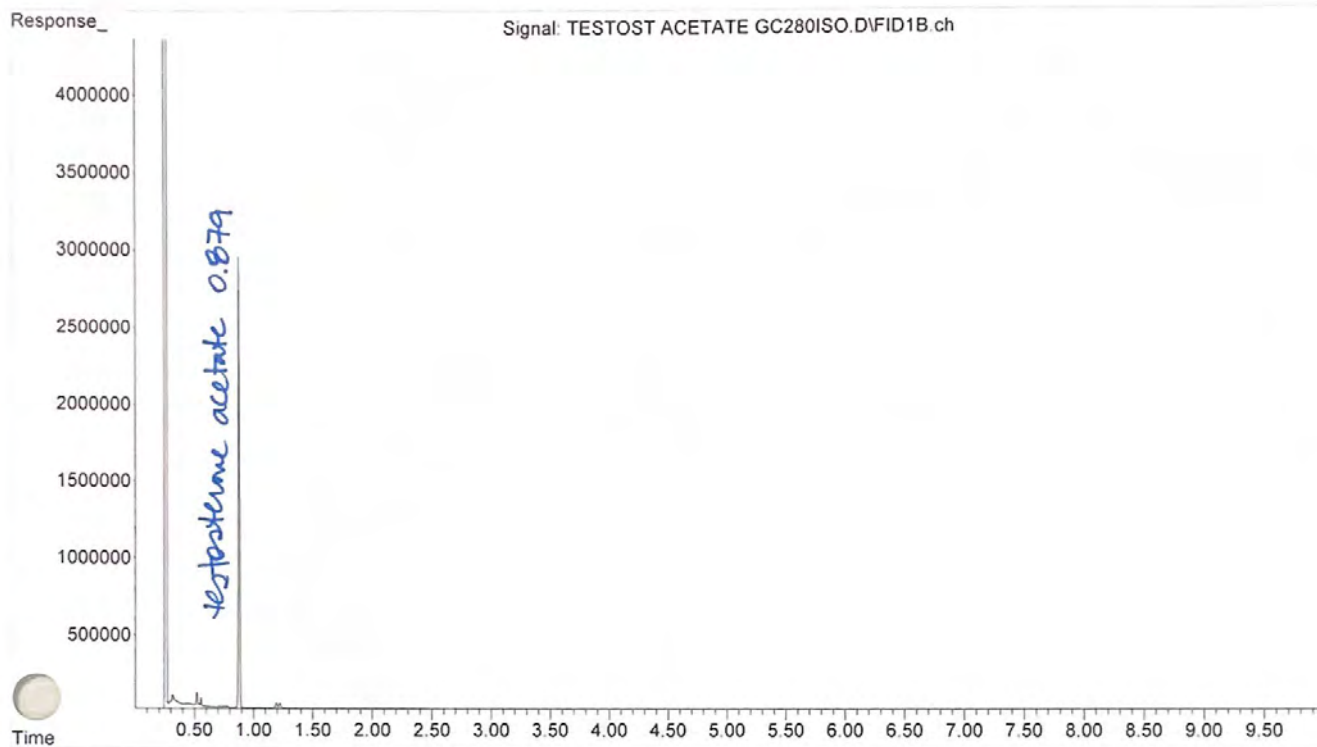
File :D:\MassHunter\GCMS\1\data\Standards --\GC280ISO\CALIB STD MI
... X GC280ISO.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 18 Nov 2022 13:10 using AcqMethod GC280ISO.M
Sample Name: CALIB STD MIX GC280ISO
Misc fo : MeOH



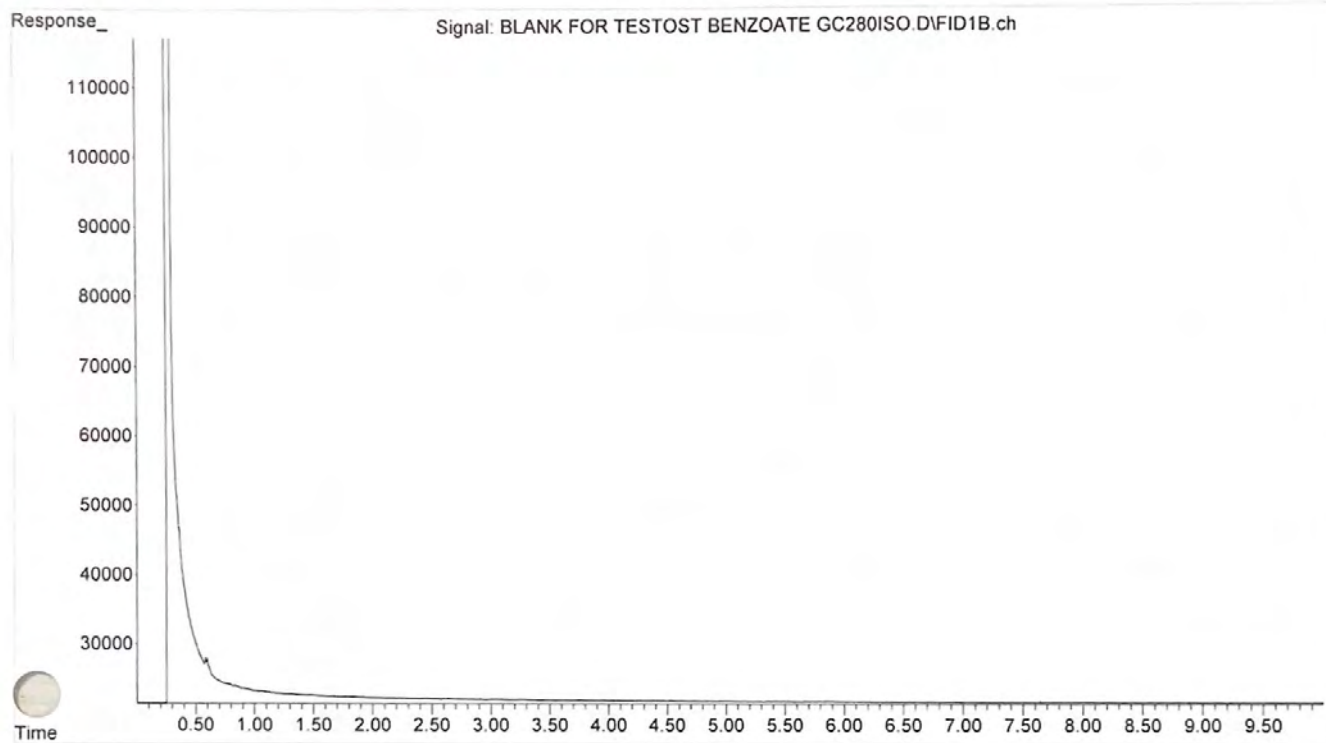
File :D:\MassHunter\GCMS\1\data\Standards --\GC280ISO\BLANK FOR TE
... STOST ACETATE GC280ISO.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 18 Nov 2022 13:33 using AcqMethod GC280ISO.M
Sample Name: BLANK FOR TESTOST ACETATE GC280ISO
Misc fo : MeOH



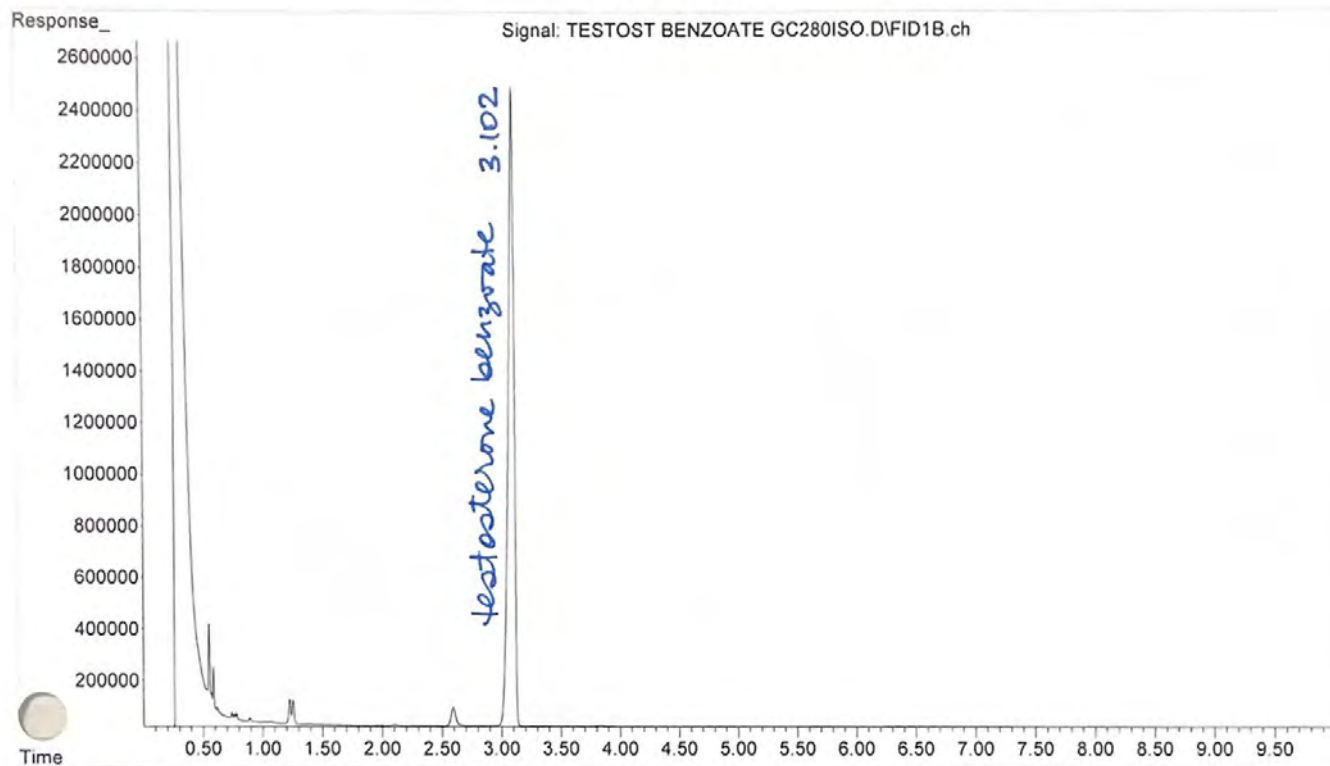
File :D:\MassHunter\GCMS\1\data\Standards --\GC280ISO\TESTOST ACET
... ATE GC280ISO.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 18 Nov 2022 13:50 using AcqMethod GC280ISO.M
Sample Name: TESTOST ACETATE GC280ISO
Misc fo : MeOH



File :D:\MassHunter\GCMS\1\data\Standards --\GC280ISO\BLANK FOR TE
... STOST BENZOATE GC280ISO.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 18 Nov 2022 14:20 using AcqMethod GC280ISO.M
Sample Name: BLANK FOR TESTOST BENZOATE GC280ISO
Misc fo : MeOH



File :D:\MassHunter\GCMS\1\data\Standards --\GC280ISO\TESTOST BENZ
... OATE GC280ISO.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 18 Nov 2022 14:33 using AcqMethod GC280ISO.M
Sample Name: TESTOST BENZOATE GC280ISO
Misc fo : MeOH



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

INSTRUMENT CONTROL PARAMETERS: Alma

D:\MassHunter\GCMS\1\methods\GC280ISOTI.M
Tue Nov 29 14:21:05 2022

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 70 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 29 min

Equilibration Time 0.25 min
Max Temperature 325 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 0
Solvent A Washes (PostInj) 0
Solvent A Volume 4 µL
Solvent B Washes (PreInj) 0
Solvent B Washes (PostInj) 0
Solvent B Volume 4 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 3000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 3000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.5 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	4 µL
Solvent B Washes (PreInj)	0
Solvent B Washes (PostInj)	0
Solvent B Volume	4 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	3000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	3000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.5 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	3.3041 psi

Column Information	Agilent 19091S-602
Description	HP-lms
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	10 psi
Average Velocity	0.48406 mL/min
Holdup Time	42.809 cm/sec
Control Mode	0.48666 min
	Constant Pressure

Column #2	
Pressure	On
Setpoint	17.5 psi
(Initial)	
Post Run	10 psi

Column Information	Agilent 19091S-913
Description	HP-lms
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	Front 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: US2227M017

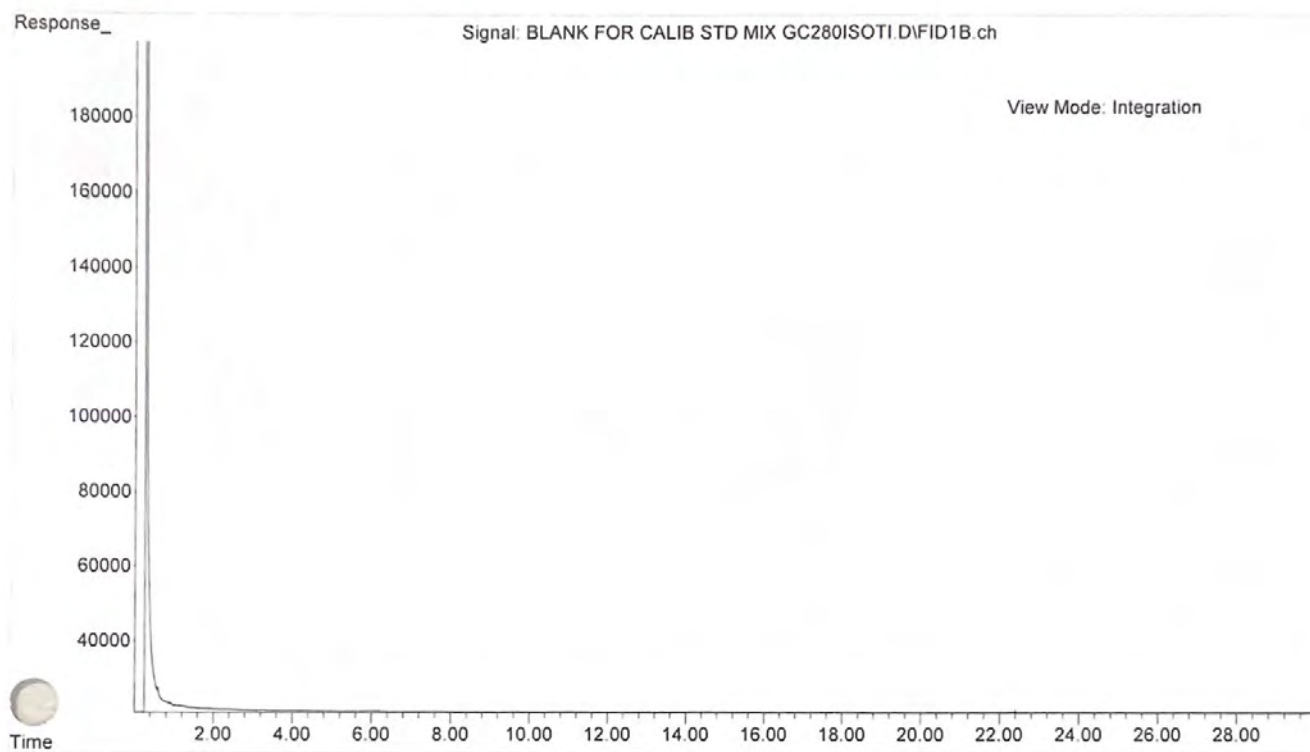
Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
34.899	:	REPELLER	
90.331	:	IONFOCUS	
27.717	:	ENTRANCE_LENS	
1057.682	:	EMVOLTS	
			1094.9 : Actual EMV
			1.00 : GAIN FACTOR
3306.000	:	AMUGAIN	
141.563	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
9.621	:	ENTLENSOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
507.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

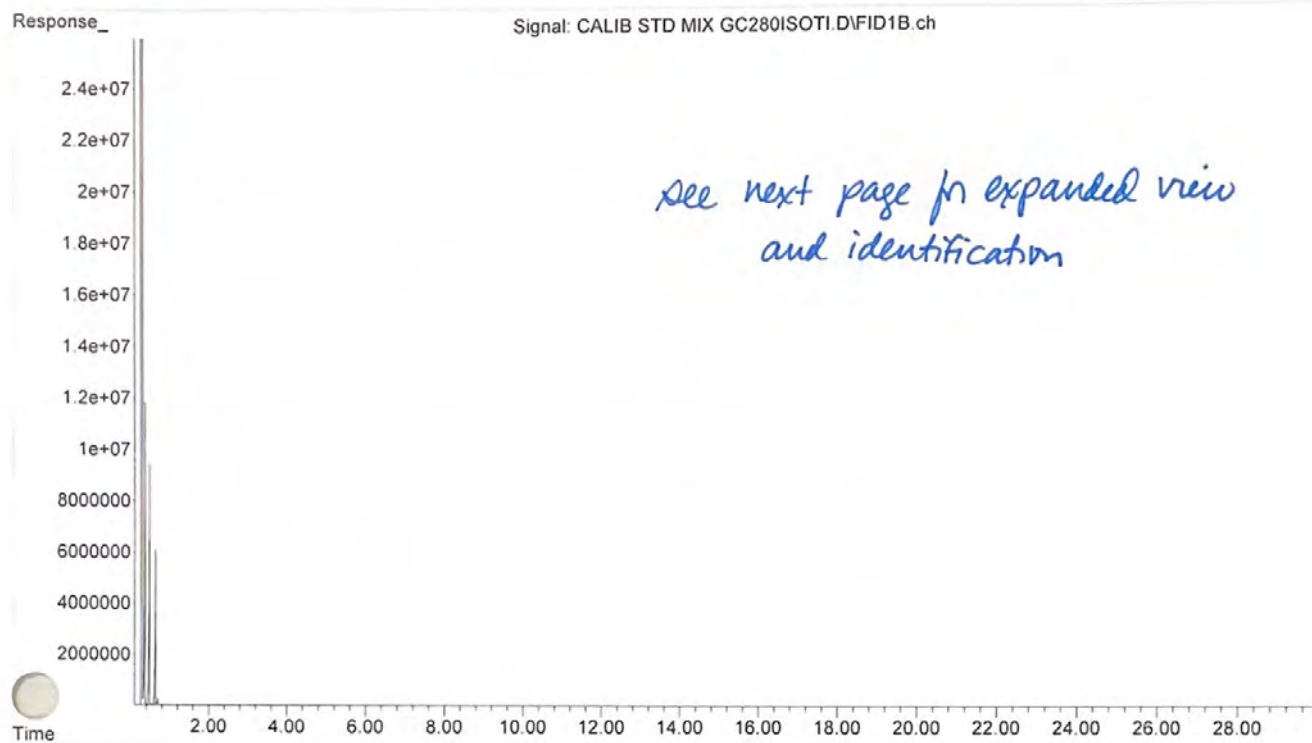
END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

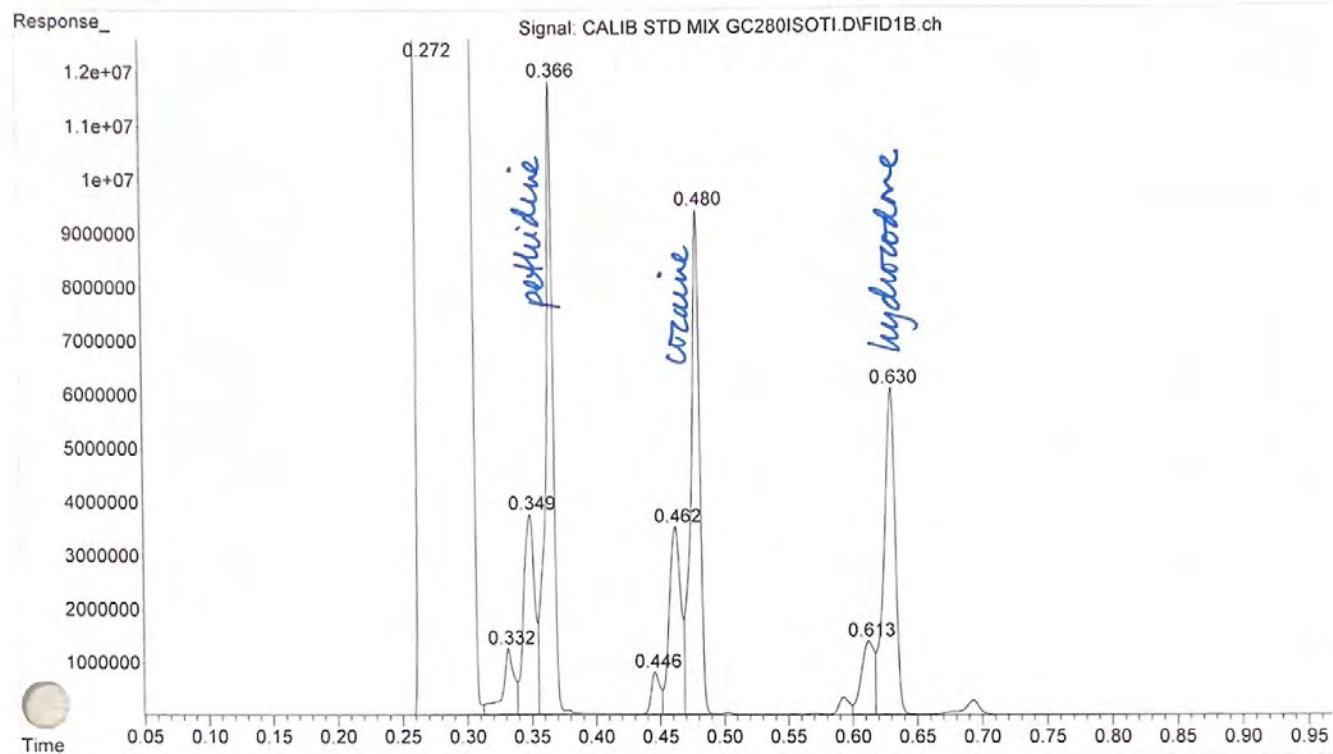
File :D:\MassHunter\GCMS\1\data\Standards --\GC280ISOTI\BLANK FOR
... CALIB STD MIX GC280ISOTI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 17 Nov 2022 13:03 using AcqMethod GC280ISOTI.M
Sample Name: BLANK FOR CALIB STD MIX GC280ISOTI
Misc Info : MeOH



File :D:\MassHunter\GCMS\1\data\Standards --\GC280ISOTI\CALIB STD
... MIX GC280ISOTI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 17 Nov 2022 13:34 using AcqMethod GC280ISOTI.M
Sample Name: CALIB STD MIX GC280ISOTI
Misc Info : MeOH

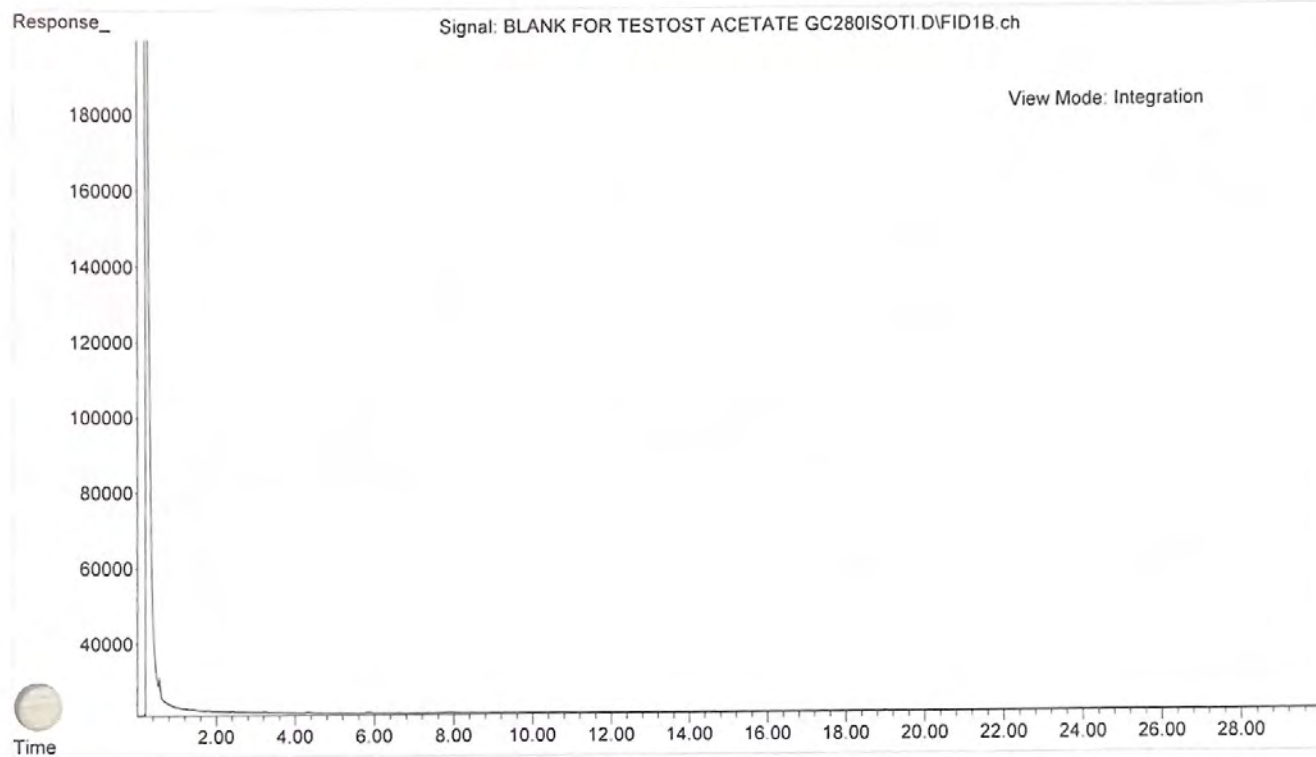


File :D:\MassHunter\GCMS\1\data\Standards --\GC280ISOTI\CALIB STD
... MIX GC280ISOTI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 17 Nov 2022 13:34 using AcqMethod GC280ISOTI.M
Sample Name: CALIB STD MIX GC280ISOTI
Misc Info : MeOH

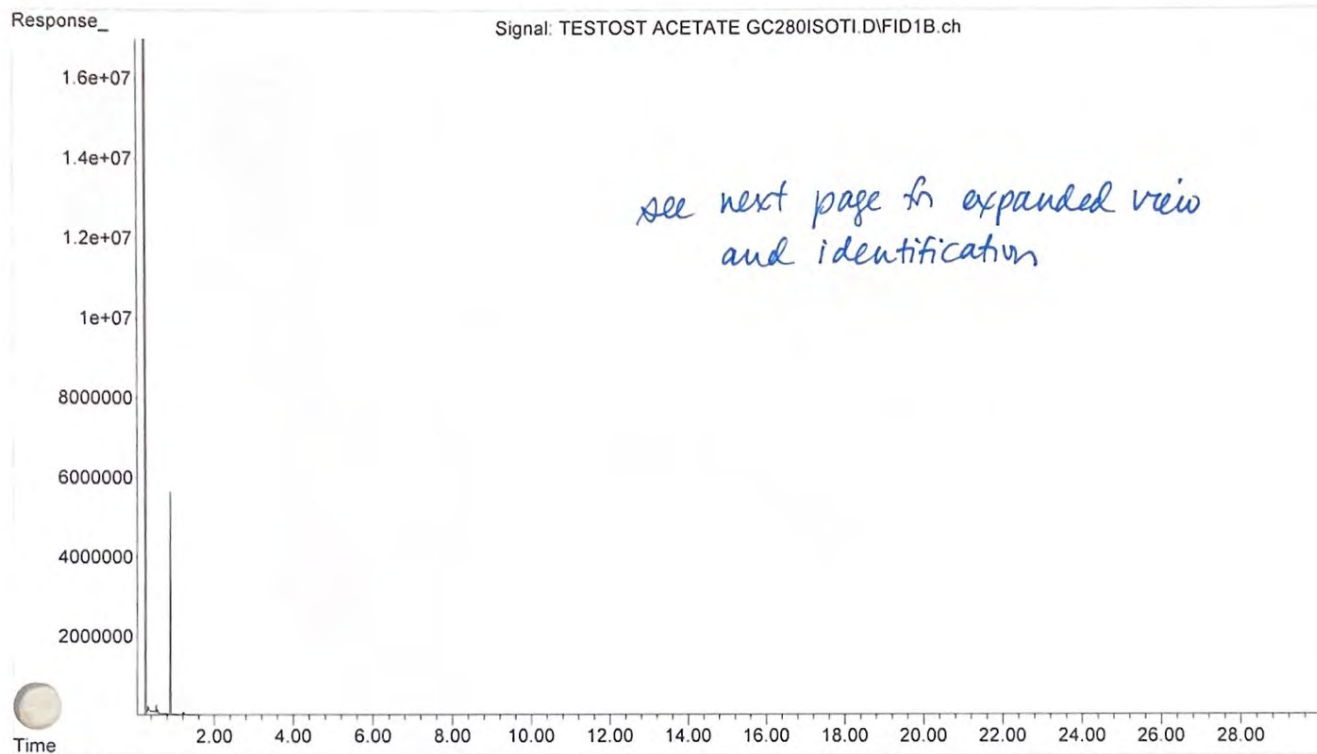


→ injection volume was close
to 2 µl

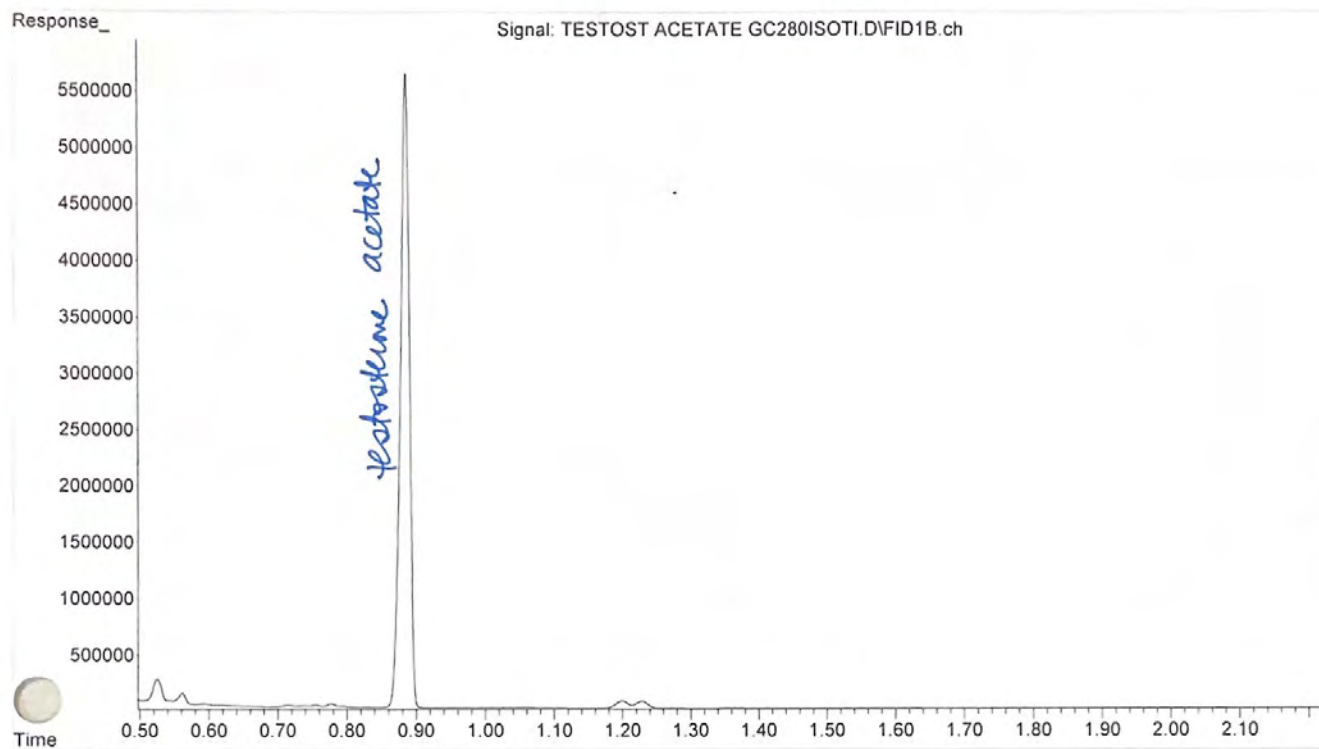
File :D:\MassHunter\GCMS\1\data\Standards --\GC280ISOTI\BLANK FOR
... TESTOST ACETATE GC280ISOTI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 17 Nov 2022 14:25 using AcqMethod GC280ISOTI.M
Sample Name: BLANK FOR TESTOST ACETATE GC280ISOTI
Misc Info : MeOH



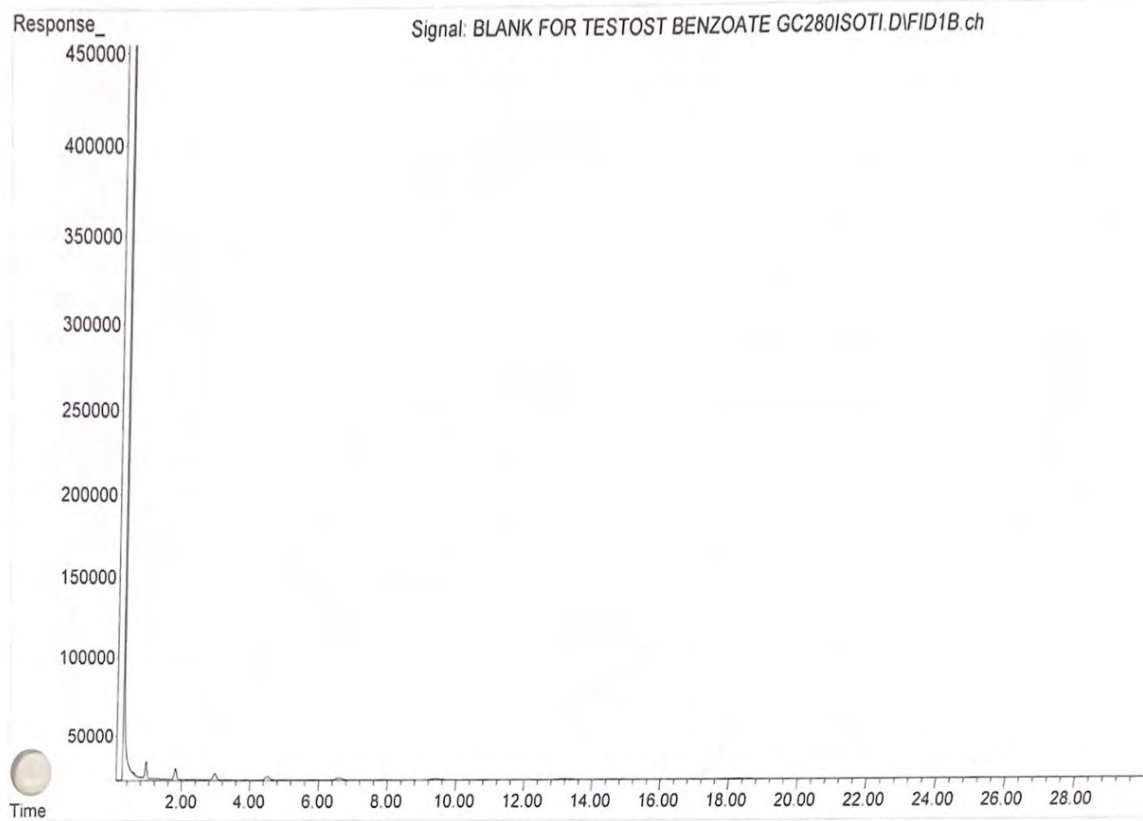
File :D:\MassHunter\GCMS\1\data\Standards --\GC280ISOTI\TESTOST AC
... ETATE GC280ISOTI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 17 Nov 2022 14:57 using AcqMethod GC280ISOTI.M
Sample Name: TESTOST ACETATE GC280ISOTI
Misc Info : MeOH



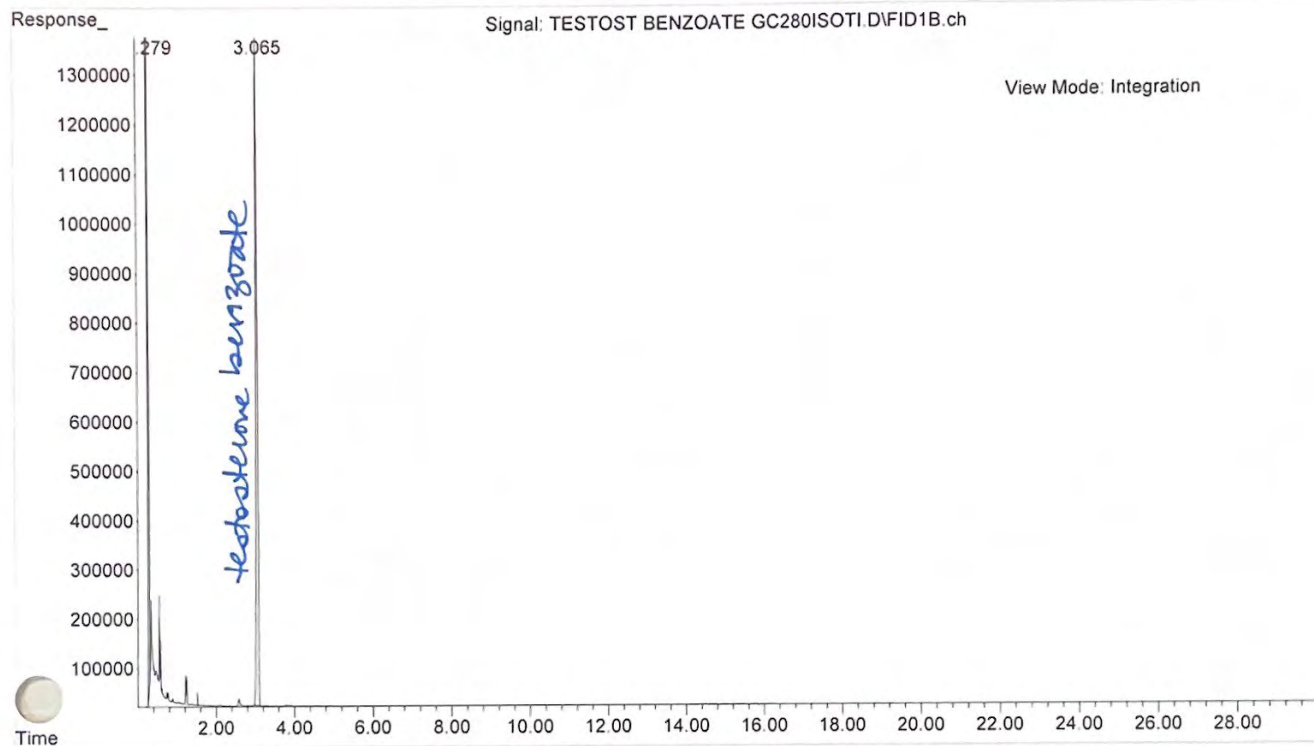
File :D:\MassHunter\GCMS\1\data\Standards --\GC280ISOTI\TESTOST AC
... ETATE GC280ISOTI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 17 Nov 2022 14:57 using AcqMethod GC280ISOTI.M
Sample Name: TESTOST ACETATE GC280ISOTI
Misc fo : MeOH



File :D:\MassHunter\GCMS\1\data\Standards --\GC280ISOTI\BLANK FOR
... TESTOST BENZOATE GC280ISOTI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 18 Nov 2022 11:38 using AcqMethod GC280ISOTI.M
Sample Name: BLANK FOR TESTOST BENZOATE GC280ISOTI
Misc fo : MeOH



File :D:\MassHunter\GCMS\1\data\Standards --\GC280ISOTI\TESTOST BE
... NZOATE GC280ISOTI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 18 Nov 2022 12:09 using AcqMethod GC280ISOTI.M
Sample Name: TESTOST BENZOATE GC280ISOTI
Misc fo : MeOH



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

INSTRUMENT CONTROL PARAMETERS: Alma

D:\MassHunter\GCMS\1\methods\ASGC100.M
Tue Nov 29 14:22:30 2022

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 70 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 6.43 min

Equilibration Time 0.25 min
X Temperature 325 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 0
Solvent A Washes (PostInj) 0
Solvent A Volume 4 µL
Solvent B Washes (PreInj) 0
Solvent B Washes (PostInj) 0
Solvent B Volume 4 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 3000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 3000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.5 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 3000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 3000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.5 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 10 psi
On 50.828 mL/min
On 3 mL/min
Off
On 20 mL/min after 3 min
50 :1
46.89 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
10 psi
3.3041 psi

Column Information	Agilent 19091S-602
Description	HP-lms
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
In	Front SS Inlet He
Out	MSD
(Initial)	100 °C
Pressure	10 psi
Flow	0.9378 mL/min
Average Velocity	55.949 cm/sec
Holdup Time	0.37236 min
Control Mode	Constant Pressure

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

Column Information	Agilent 19091S-913
Description	HP-lms
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	Front 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: US2227M017

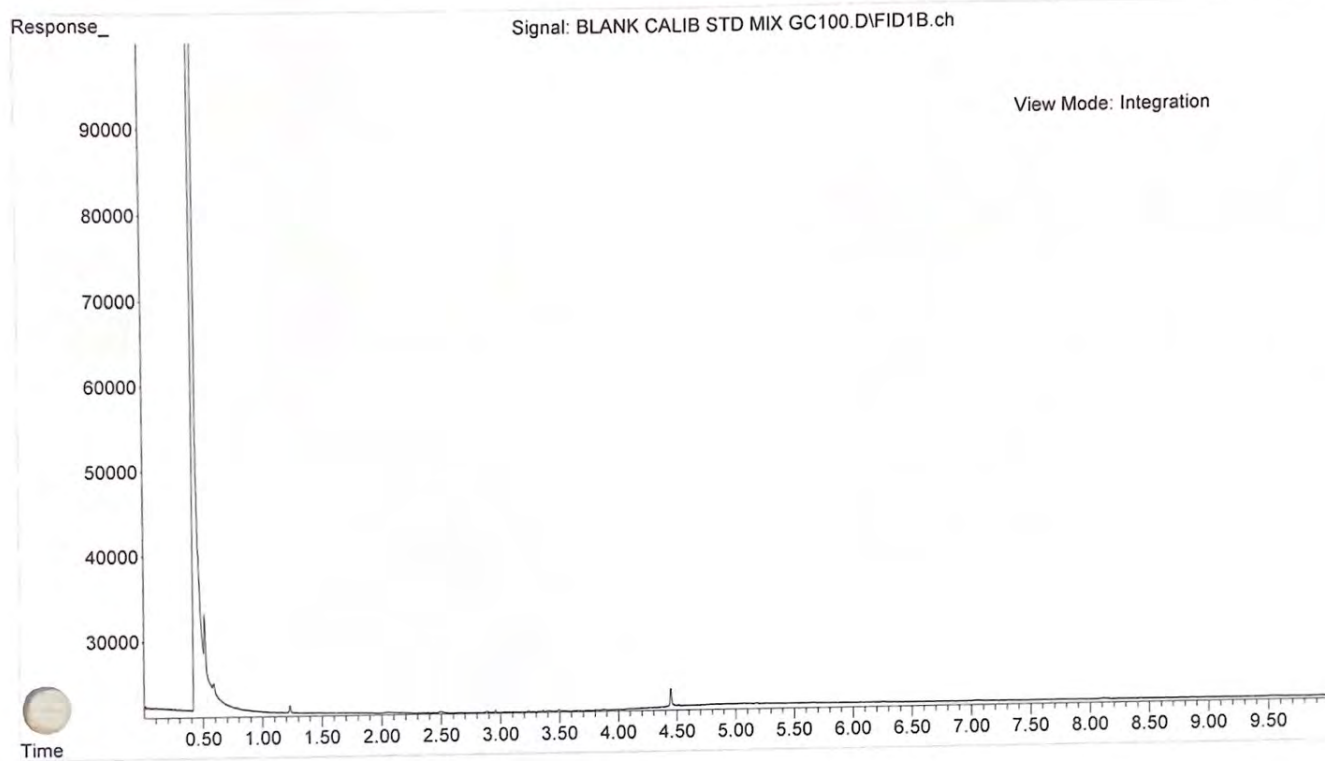
Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
34.899	:	REPELLER	
90.331	:	IONFOCUS	
27.717	:	ENTRANCE_LENS	
1057.682	:	EMVOLTS	
			1094.9 : Actual EMV
			1.00 : GAIN FACTOR
3306.000	:	AMUGAIN	
141.563	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
9.621	:	ENTLENSOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
507.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

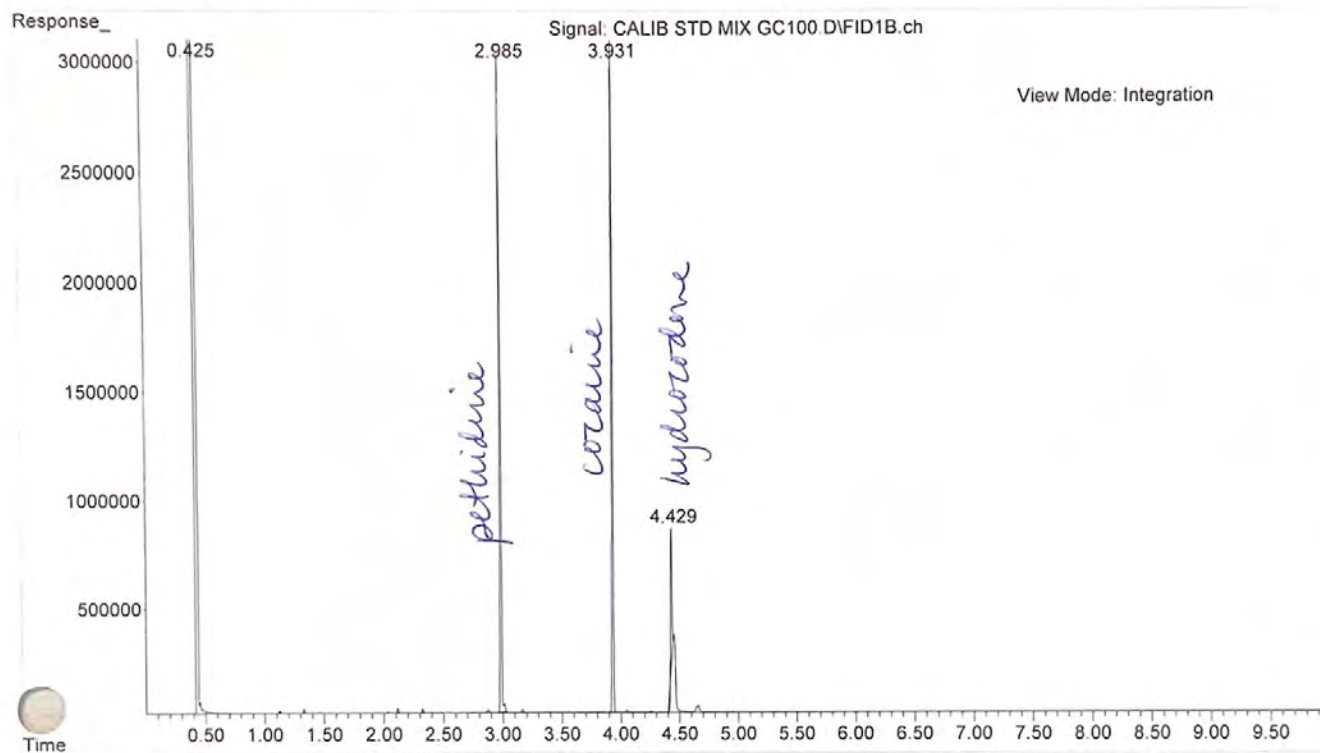
END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

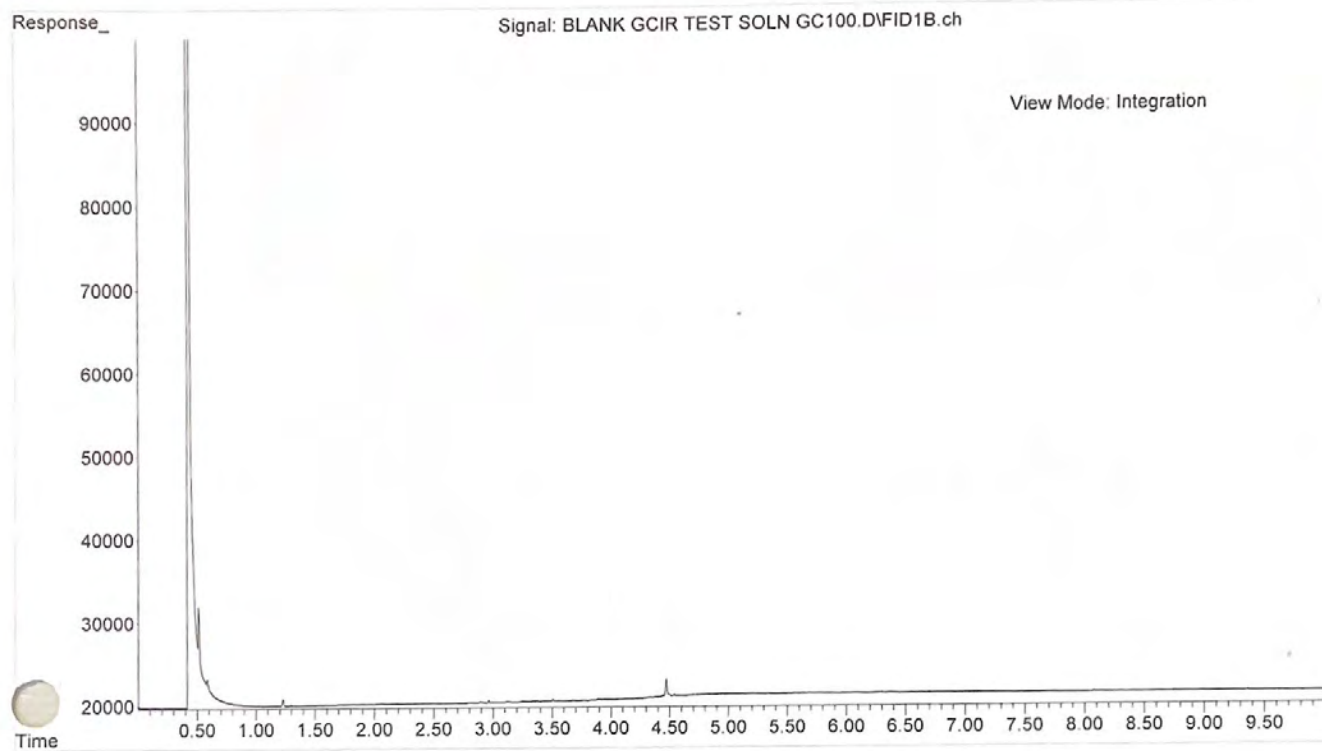
File :D:\MassHunter\GCMS\1\data\Standards --\ASGC100\BLANK CALIB S
... TD MIX GC100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 03 Nov 2022 17:42 using AcqMethod ASGC100.M
Sample Name: BLANK FOR CALIBRATION STD MIX
Misc Info : MeOH



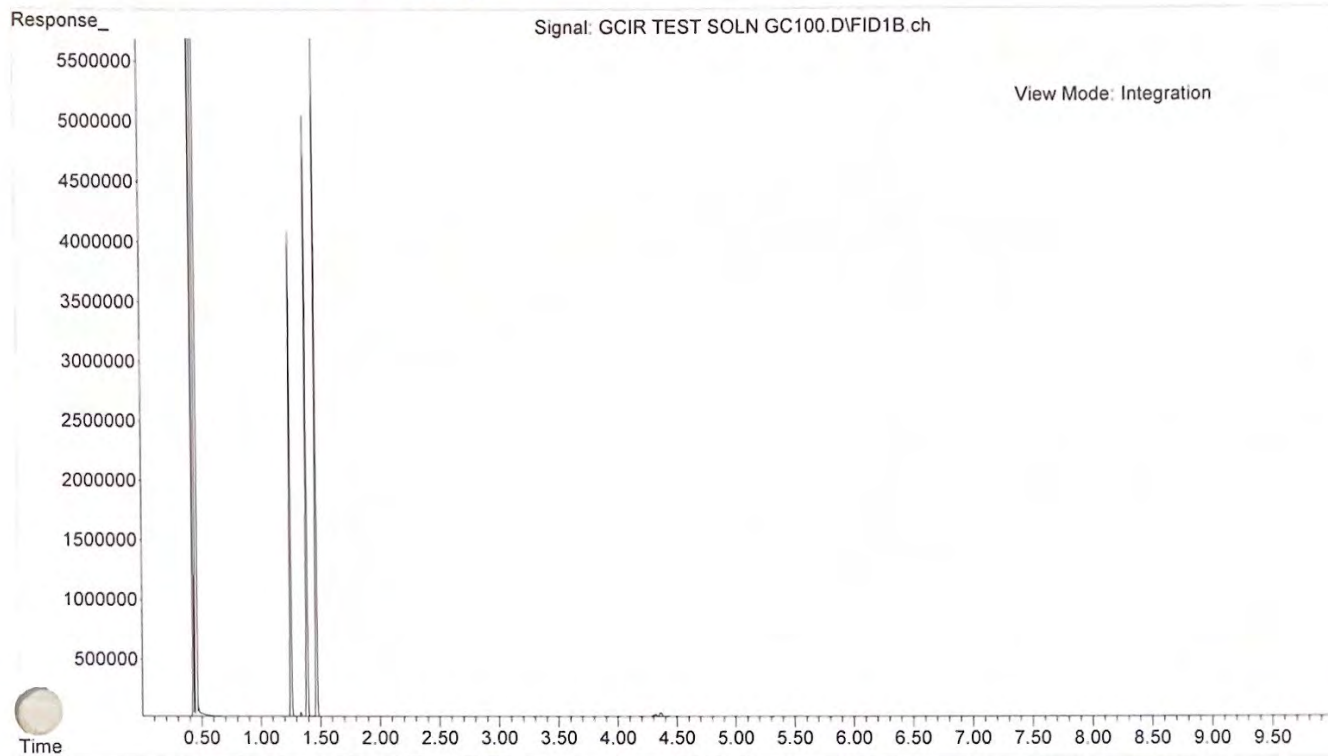
File :D:\MassHunter\GCMS\1\data\Standards --\ASGC100\CALIB STD MIX
... GC100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 03 Nov 2022 17:55 using AcqMethod ASGC100.M
Sample Name: CALIBRATION STANDARD MIX (ASGC100)
Misc Info : PETHIDINE / COCAINE / HYDROCODONE



File :D:\MassHunter\GCMS\1\data\Standards --\ASGC100\BLANK GCIR TE
... ST SOLN GC100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 03 Nov 2022 18:21 using AcqMethod ASGC100.M
Sample Name: BLANK FOR GC/IR TEST SOLUTION
Misc Info : MeOH



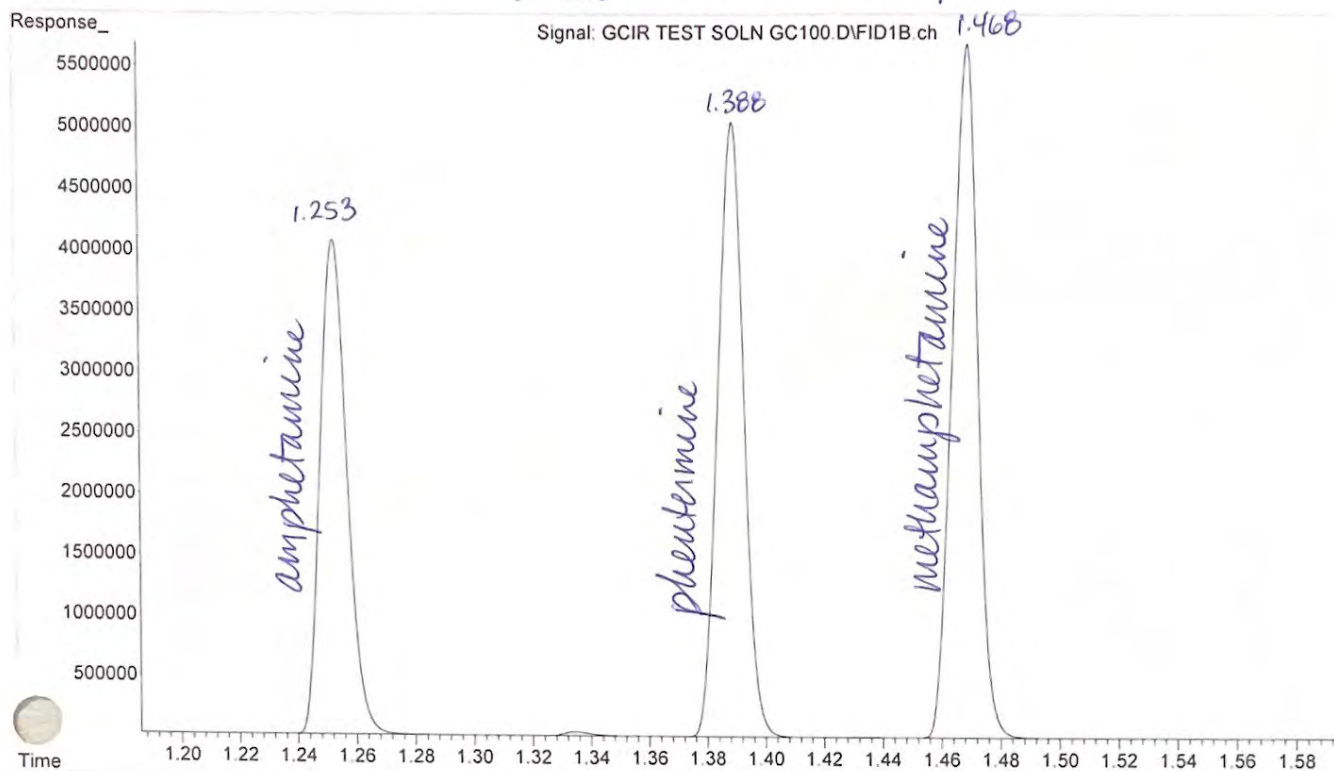
File :D:\MassHunter\GCMS\1\data\Standards --\ASGC100\GCIR TEST SOL
... N GC100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 03 Nov 2022 18:34 using AcqMethod ASGC100.M
Sample Name: GC/IR TEST SOLUTION (ASGC100)
Misc Info : MeOH 2:1 0.5N NaOH $\rightarrow$ CH₂Cl₂ JKB



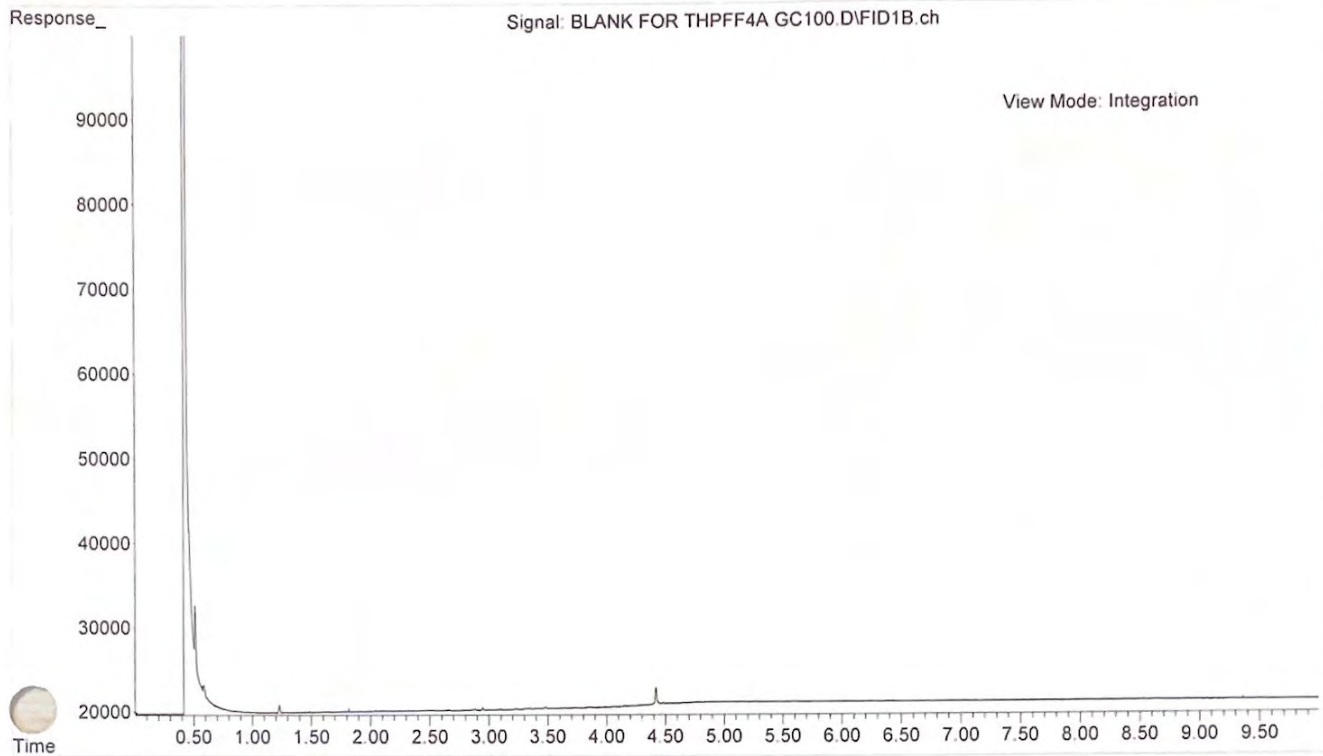
see next page for expanded view + identification

File :D:\MassHunter\GCMS\1\data\Standards --\ASGC100\GCIR TEST SOL
... N GC100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 03 Nov 2022 18:34 using AcqMethod ASGC100.M
Sample Name: GC/IR TEST SOLUTION (ASGC100)
Misc Info : MeOH 2:1 0.5N NaOH $\rightarrow$ CHCl₃ JKB

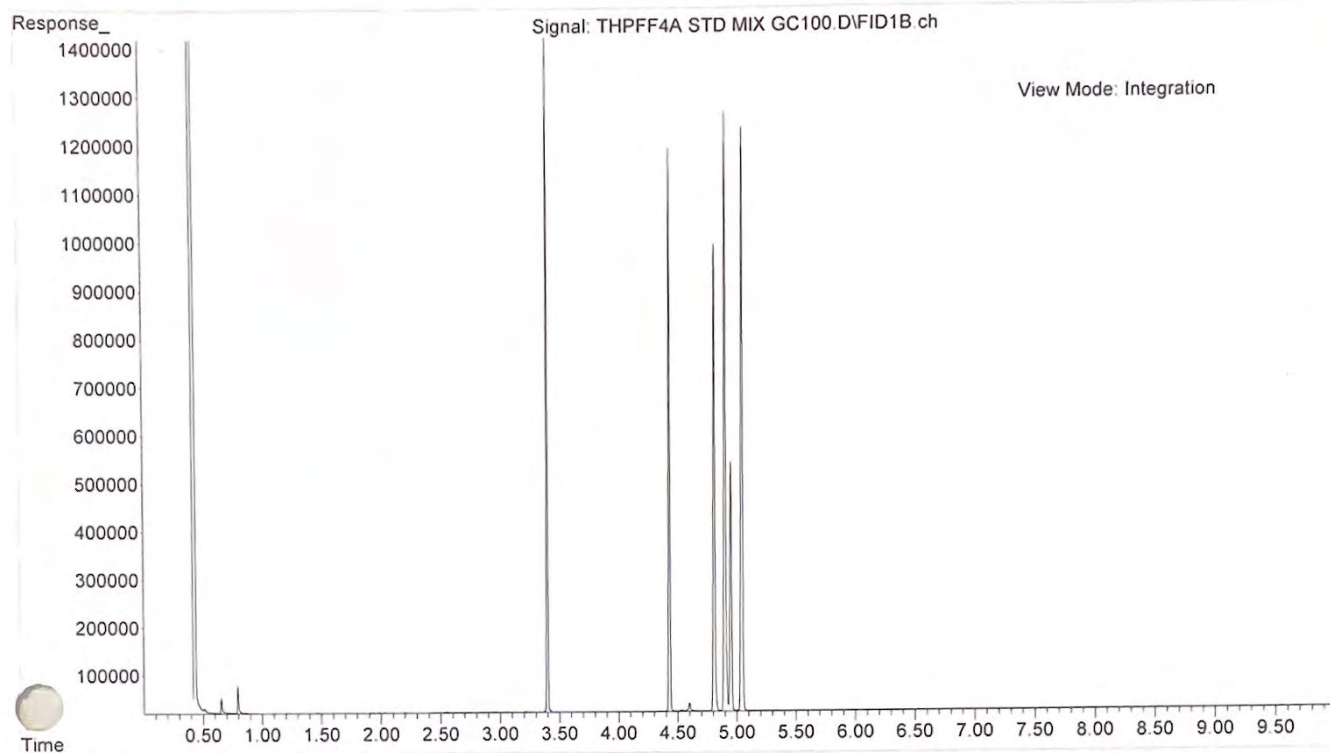
expanded view



File :D:\MassHunter\GCMS\1\data\Standards --\ASGC100\BLANK FOR THP
... FF4A GC100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 03 Nov 2022 18:59 using AcqMethod ASGC100.M
Sample Name: BLANK FOR THPFF4A
Misc Info : MeOH



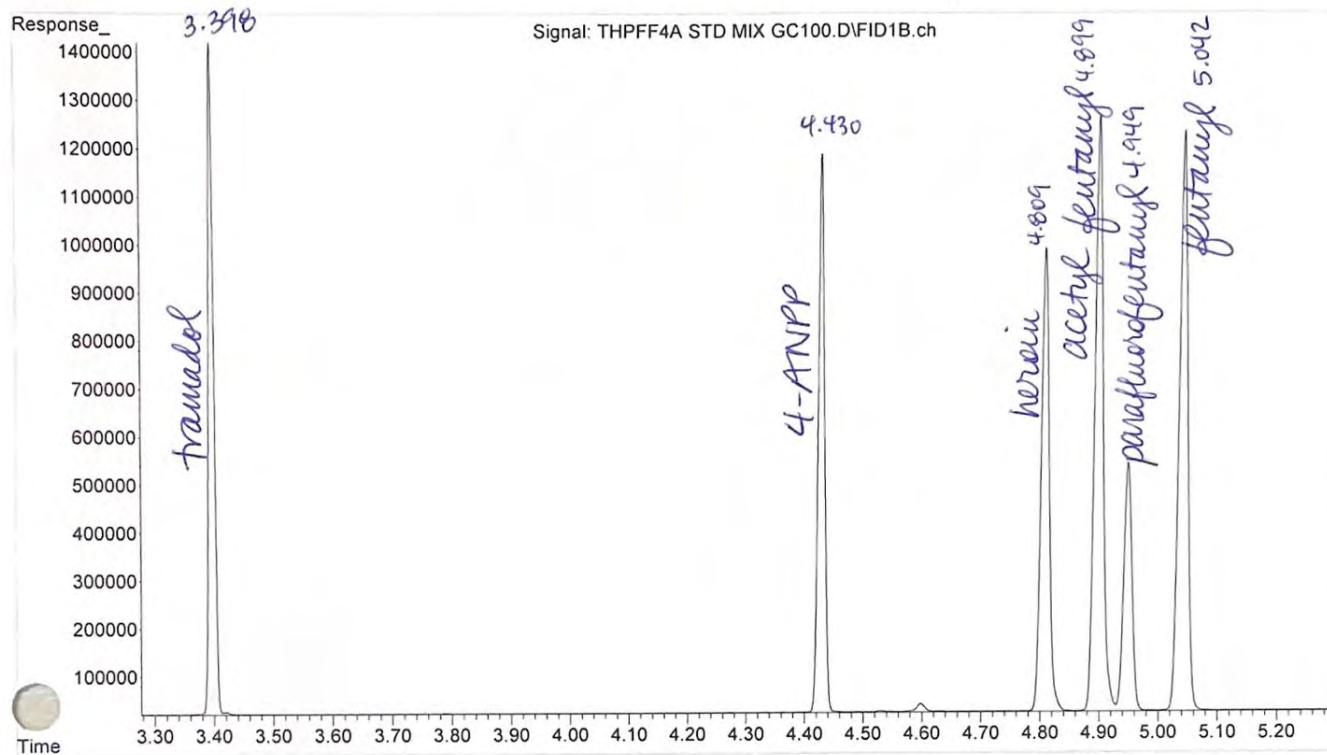
File :D:\MassHunter\GCMS\1\data\Standards --\ASGC100\THPFF4A STD M
... IX GC100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 03 Nov 2022 19:12 using AcqMethod ASGC100.M
Sample Name: THPFF4A STANDARD MIX
Misc Info : MeOH



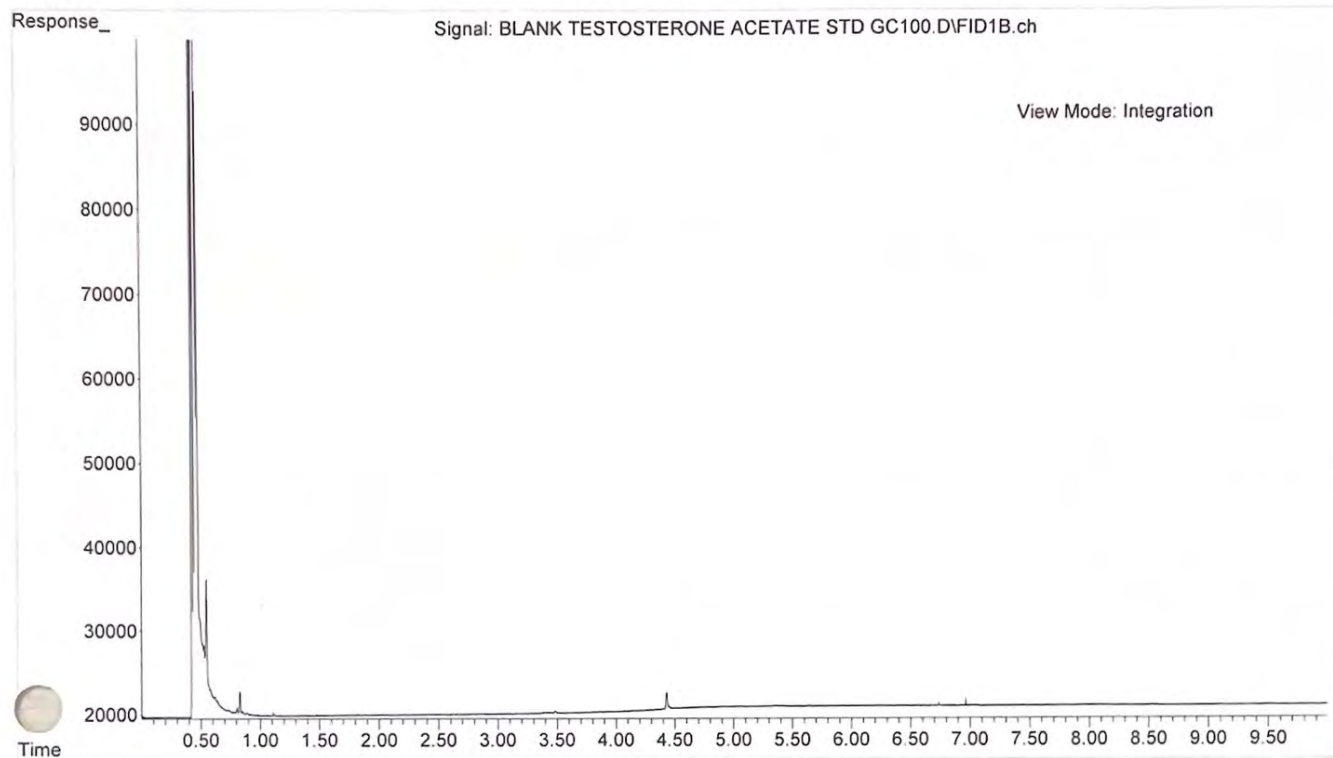
see next page for expanded view + identification

File :D:\MassHunter\GCMS\1\data\Standards --\ASGC100\THPFF4A STD M
... IX GC100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 03 Nov 2022 19:12 using AcqMethod ASGC100.M
Sample Name: THPFF4A STANDARD MIX
Misc Info : MeOH

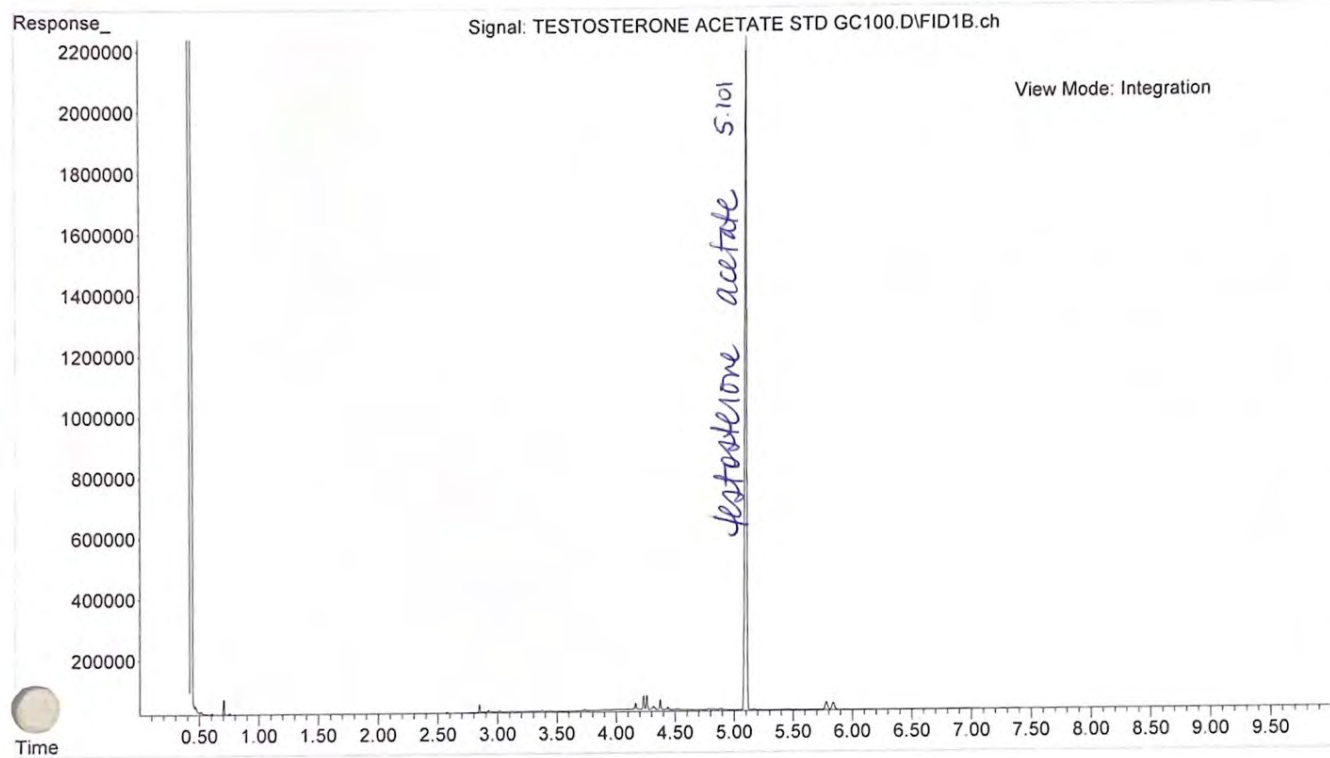
expanded view



File :D:\MassHunter\GCMS\1\data\Standards --\ASGC100\BLANK TESTOST
... ERONE ACETATE STD GC100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 03 Nov 2022 19:38 using AcqMethod ASGC100.M
Sample Name: BLANK FOR TESTOSTERONE ACETATE STD
Misc Info : 0.5N NaOH --> CHCl3



File :D:\MassHunter\GCMS\1\data\Standards --\ASGC100\TESTOSTERONE
... ACETATE STD GC100.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 03 Nov 2022 19:51 using AcqMethod ASGC100.M
Sample Name: TESTOSTERONE ACETATE STD (ASGC100)
Misc Info : 0.5N NaOH --> CHCl3



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

INSTRUMENT CONTROL PARAMETERS: Alma

D:\MassHunter\GCMS\1\methods\ASGC200.M
Tue Nov 29 14:25:32 2022

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 10.013 min
Post Run Time 0 min

Oven
Temperature
Setpoint On
(Initial) 200 °C
Hold Time 1 min
Post Run 70 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 7.87 min

Equilibration Time 0.25 min
Oven Temperature 325 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 0
Solvent A Washes (PostInj) 0
Solvent A Volume 4 µL
Solvent B Washes (PreInj) 0
Solvent B Washes (PostInj) 0
Solvent B Volume 4 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 3000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 3000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.5 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	3000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	3000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.5 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 10 psi
On 35.096 mL/min
On 3 mL/min
Off
On 20 mL/min after 3 min
50 :1
31.466 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 15 psi
On 195.71 mL/min
On 3 mL/min
Off
Off
50 :1
188.93 mL/min
A Liner has not been selected.

Column
Column #1
Pressure
Setpoint
(Initial)
Post Run

On
10 psi
3.3041 psi

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

Agilent 19091S-602
HP-lms
-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
10 psi
0.62932 mL/min
47.607 cm/sec
0.43761 min
Constant Pressure

Column #2
Pressure
Setpoint
(Initial)
Post Run

On
15 psi
10 psi

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

Agilent 19091S-913
HP-lms
-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
15 psi
3.7787 mL/min
79.511 cm/sec
0.31442 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	Front 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: US2227M017

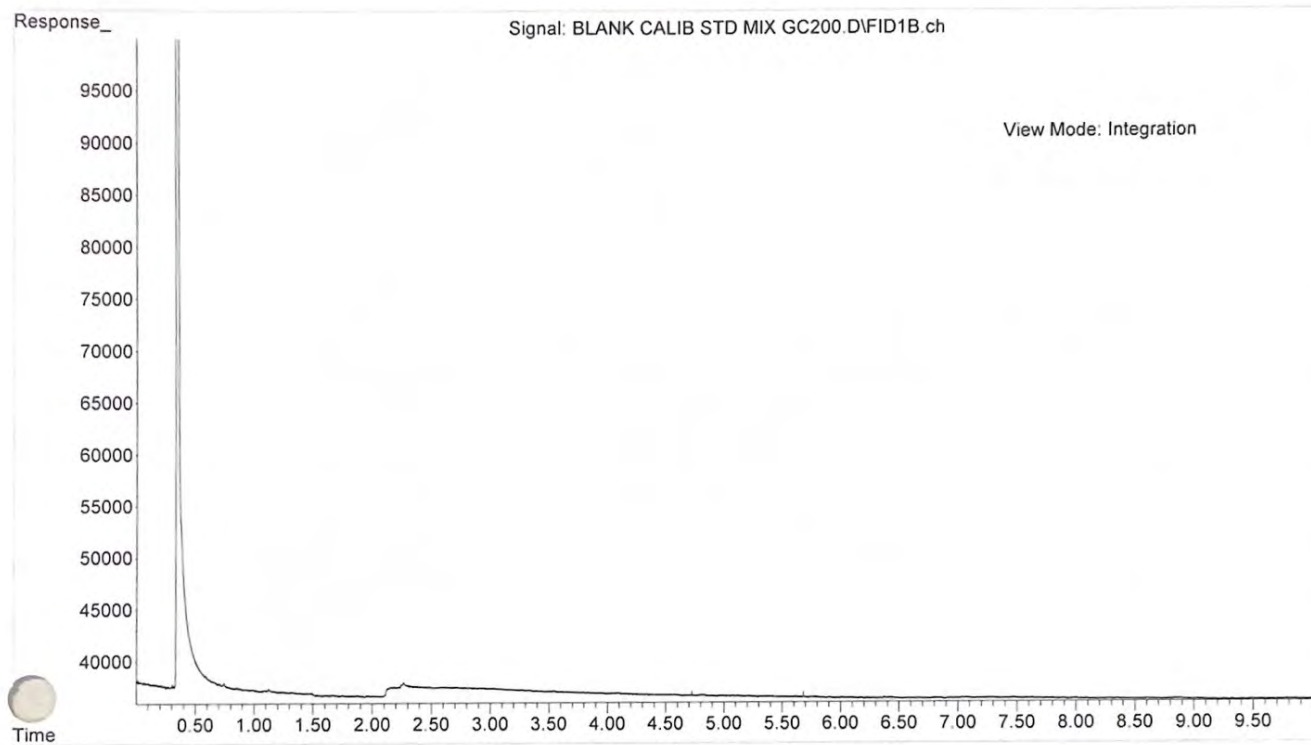
Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
34.899	:	REFELLER	
90.331	:	IONFOCUS	
27.717	:	ENTRANCE_LENS	
1057.682	:	EMVOLTS	
			1094.9 : Actual EMV
			1.00 : GAIN FACTOR
3306.000	:	AMUGAIN	
141.563	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
9.621	:	ENTLENSOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
507.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

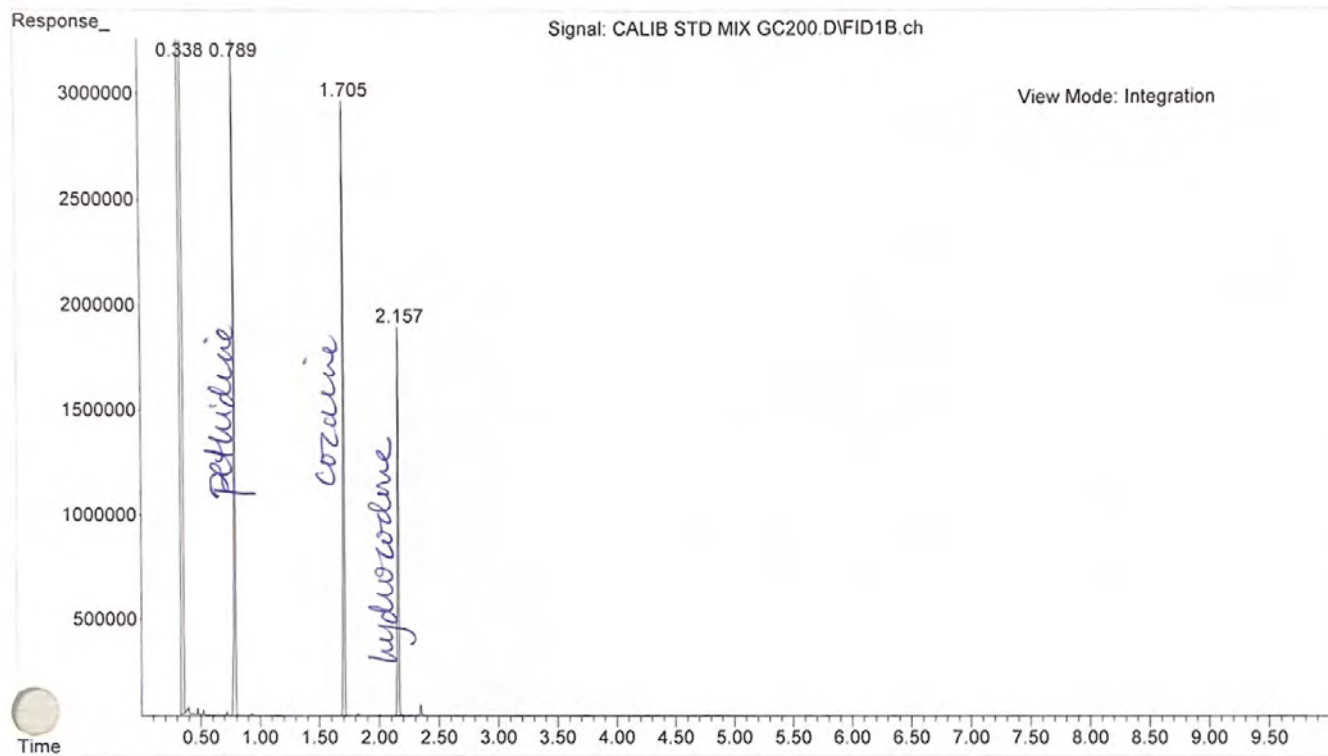
END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

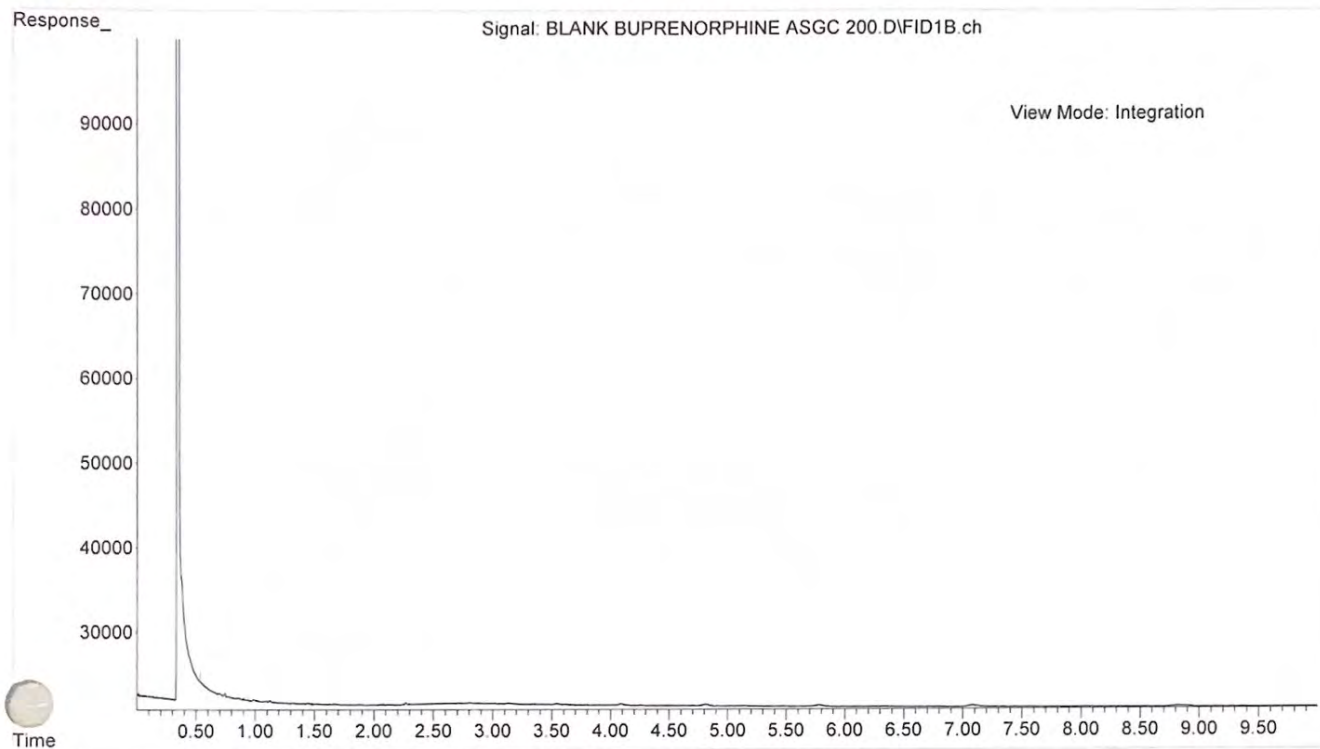
File :D:\MassHunter\GCMS\1\data\Standards --\ASGC200\BLANK CALIB 5
... TD MIX GC200.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 04 Nov 2022 12:58 using AcqMethod ASGC200.M
Sample Name: BLANK FOR CALIBRATION STD MIX
Misc Info : MeOH



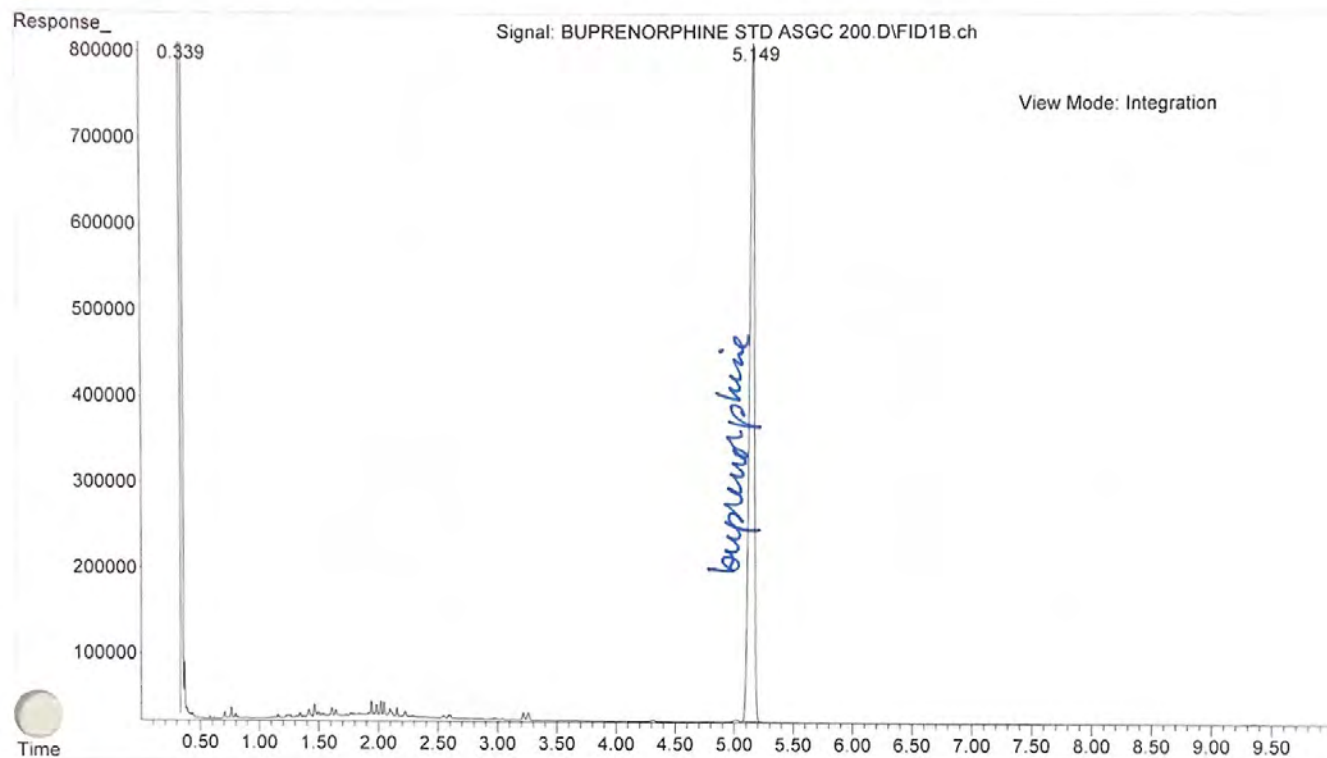
File :D:\MassHunter\GCMS\1\data\Standards --\ASGC200\CALIB STD MIX
... GC200.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 04 Nov 2022 13:10 using AcqMethod ASGC200.M
Sample Name: CALIBRATION STANDARD MIX (ASGC200)
Misc Info : PETHIDINE / COCAINE / HYDROCODONE



File :D:\MassHunter\GCMS\1\data\Standards --\ASGC200\BLANK BUPRENO
... RPHINE ASGC 200.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 08 Nov 2022 15:27 using AcqMethod ASGC200.M
Sample Name: BLANK FOR BUPRENORPHINE GC 200
Misc info : MeOH

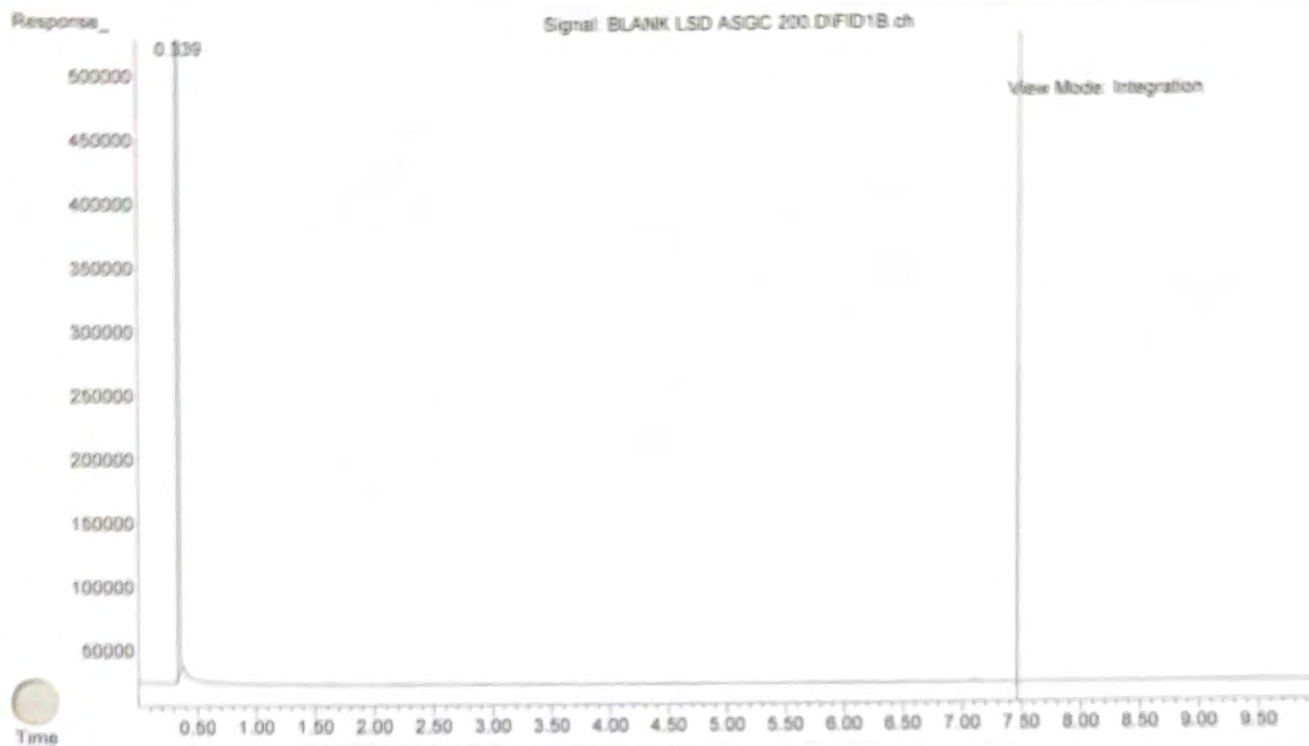


File :D:\MassHunter\GCMS\1\data\Standards --\ASGC200\BUPRENORPHINE
... STD ASGC 200.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 08 Nov 2022 15:39 using AcqMethod ASGC200.M
Sample Name: BUPRENORPHINE GC 200
Misc Info : MEOH

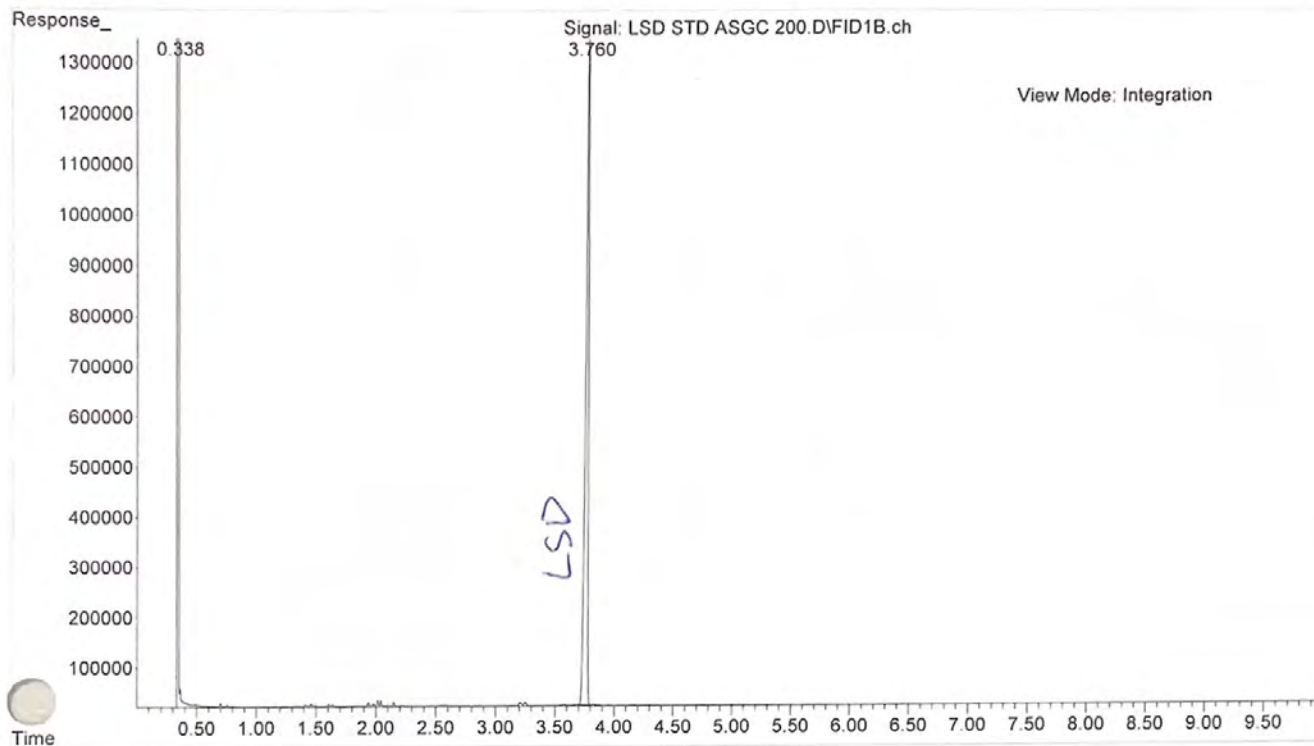


File : D:\MassHunter\GCMS\1\data\Standards -- \ASGC200\BLANK LSD ASG
... C 200.D
Operator : JEN BACHMAN
Instrument : Aina
Acquired : 07 Nov 2022 20:27 using AcqMethod ASGC200.M
Sample Name: BLANK FOR LSD GC 200
Mix Info : MeOH

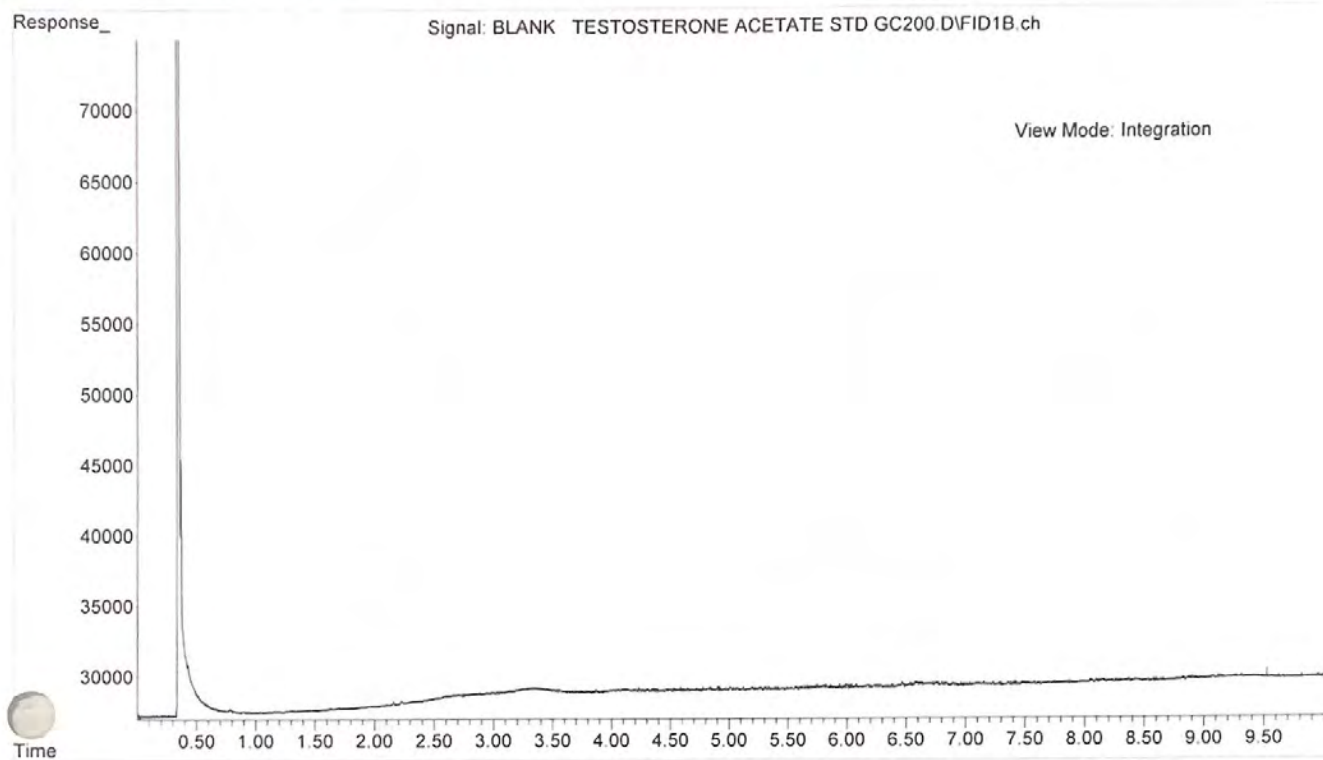
← not a peak



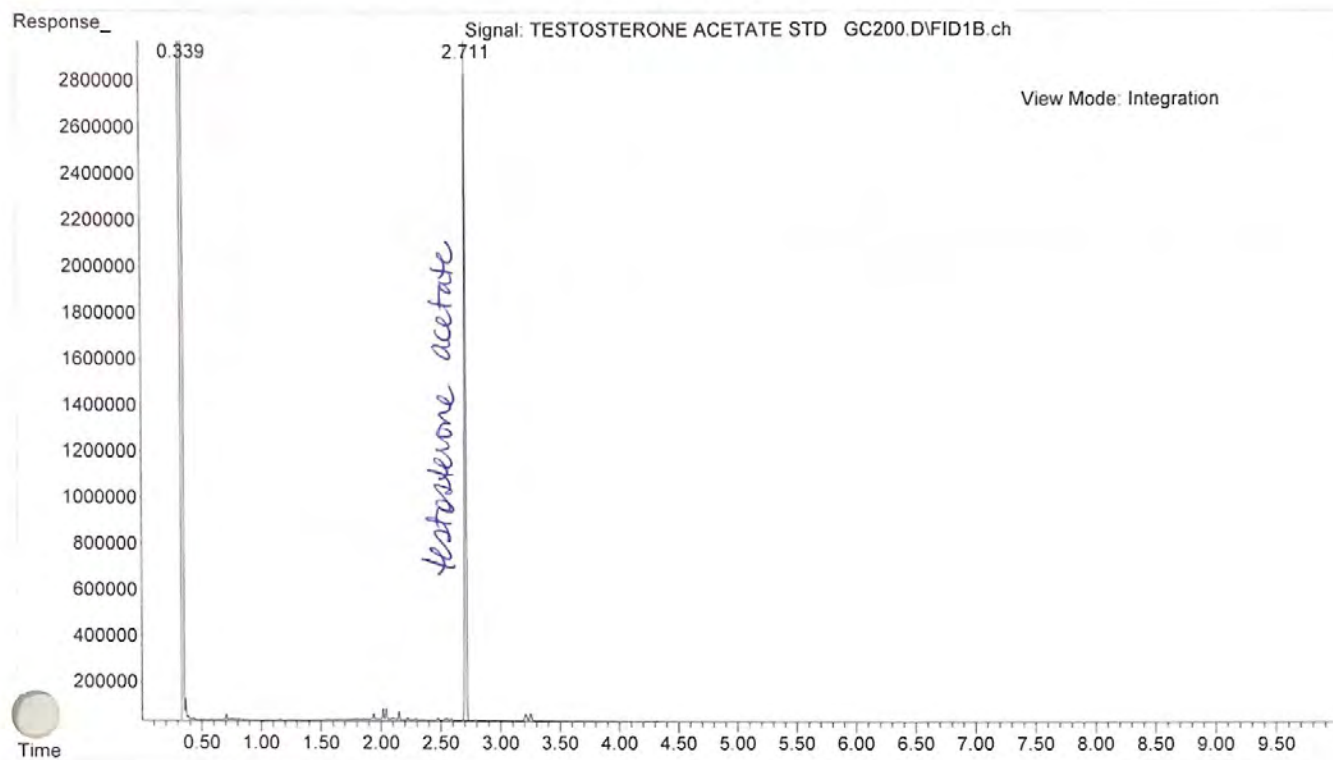
File :D:\MassHunter\GCMS\1\data\Standards --\ASGC200\LSD STD ASGC
... 200.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 07 Nov 2022 20:39 using AcqMethod ASGC200.M
Sample Name: LSD GC 200
Misc Info : ME0H



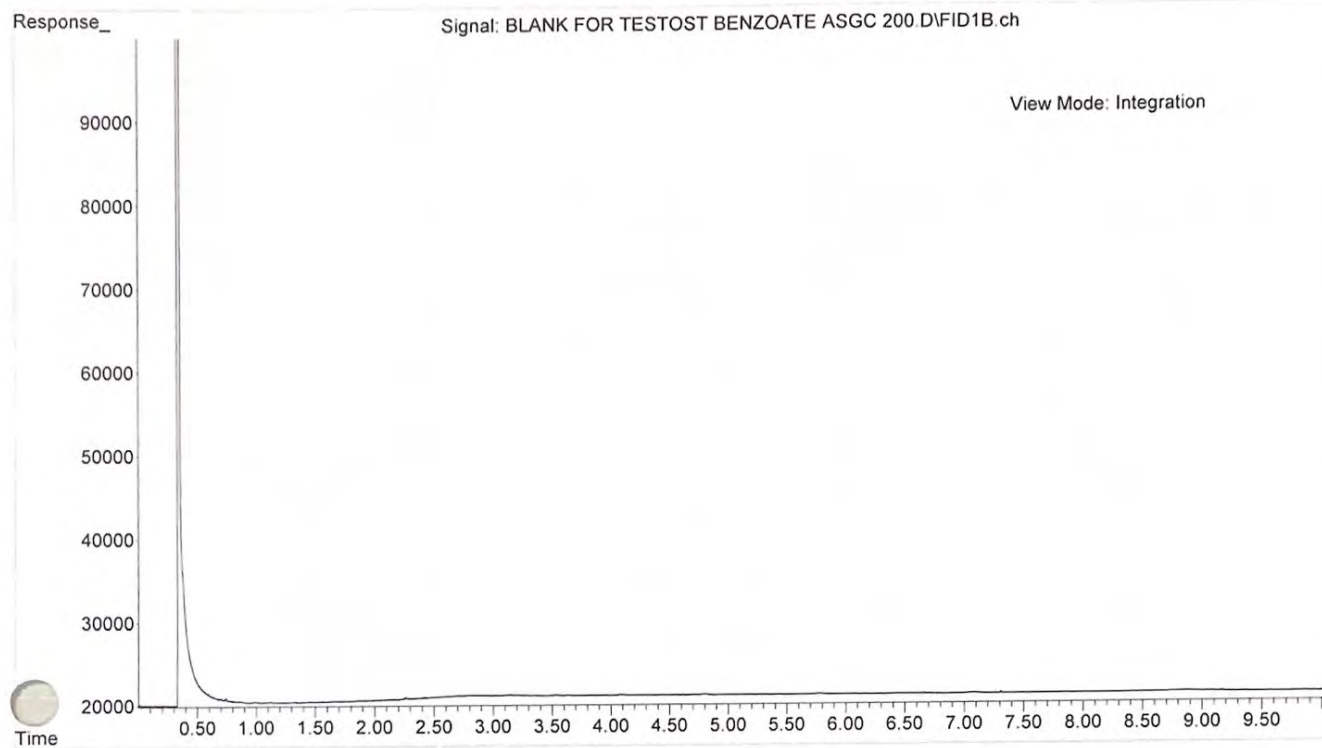
File :D:\MassHunter\GCMS\1\data\Standards --\ASGC200\BLANK TEST0
... STERONE ACETATE STD GC200.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 04 Nov 2022 16:32 using AcqMethod ASGC200.M
Sample Name: BLANK FOR TESTOSTERONE ACETATE STD
Misc Info : 0.5N NaOH --> CHCl3



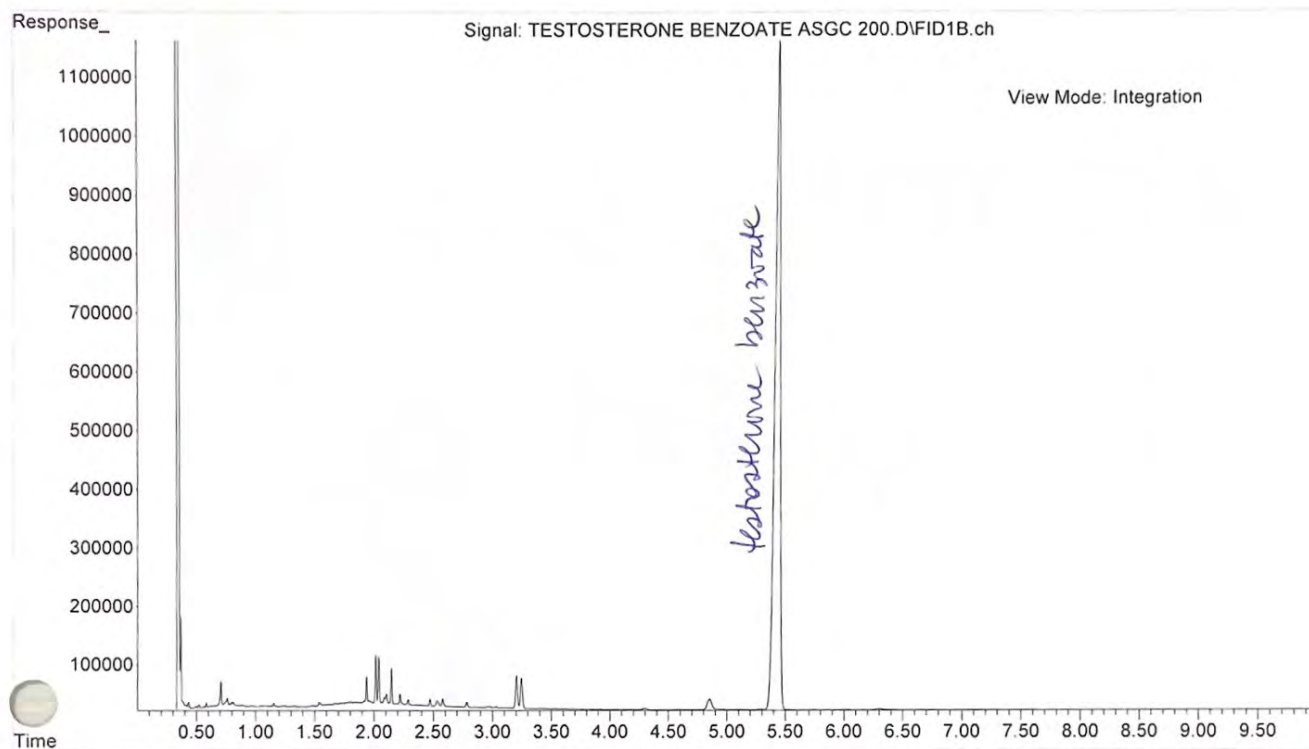
File :D:\MassHunter\GCMS\1\data\Standards --\ASGC200\TESTOSTERONE
... ACETATE STD GC200.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 04 Nov 2022 16:44 using AcqMethod ASGC200.M
Sample Name: TESTOSTERONE ACETATE STD (ASGC200)
Misc Info : 0.5N NaOH --> CHCl3



File :D:\MassHunter\GCMS\1\data\Standards --\ASGC200\BLANK FOR TES
... TOST BENZOATE ASGC 200.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 07 Nov 2022 21:03 using AcqMethod ASGC200.M
Sample Name: BLANK FOR TESTOST BENZOATE ASGC 200
Misc Info : MeOH



File :D:\MassHunter\GCMS\1\data\Standards --\ASGC200\TESTOSTERONE
... BENZOATE ASGC 200.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 07 Nov 2022 21:15 using AcqMethod ASGC200.M
Sample Name: TESTOSTERONE BENZOATE ASGC 200
Misc Info : MeOH



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

INSTRUMENT CONTROL PARAMETERS: Alma

D:\MassHunter\GCMS\1\methods\ASGC150ISO.M
Tue Nov 29 14:24:07 2022

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 70 °C
Program
#1 Rate 70 °C/min
#1 Value 150 °C
#1 Hold Time 9 min

Equilibration Time 0.25 min
Oven Temperature 325 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 0
Solvent A Washes (PostInj) 0
Solvent A Volume 4 µL
Solvent B Washes (PreInj) 0
Solvent B Washes (PostInj) 0
Solvent B Volume 4 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 3000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 3000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.5 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	3000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	3000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.5 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	3.3041 psi

Column Information

Description

Temperature Range

Dimensions

Heater

Column lock

In

Out

(Initial)

Pressure

Flow

Average Velocity

Holdup Time

Control Mode

Agilent 19091S-602

HP-lms

-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

10 psi

Column Information

Description

Temperature Range

Dimensions

Heater

Column lock

In

Out

(Initial)

Pressure

Flow

Average Velocity

Holdup Time

Control Mode

Agilent 19091S-913

HP-lms

-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	Back Signal (FID)
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Front 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: US2227M017

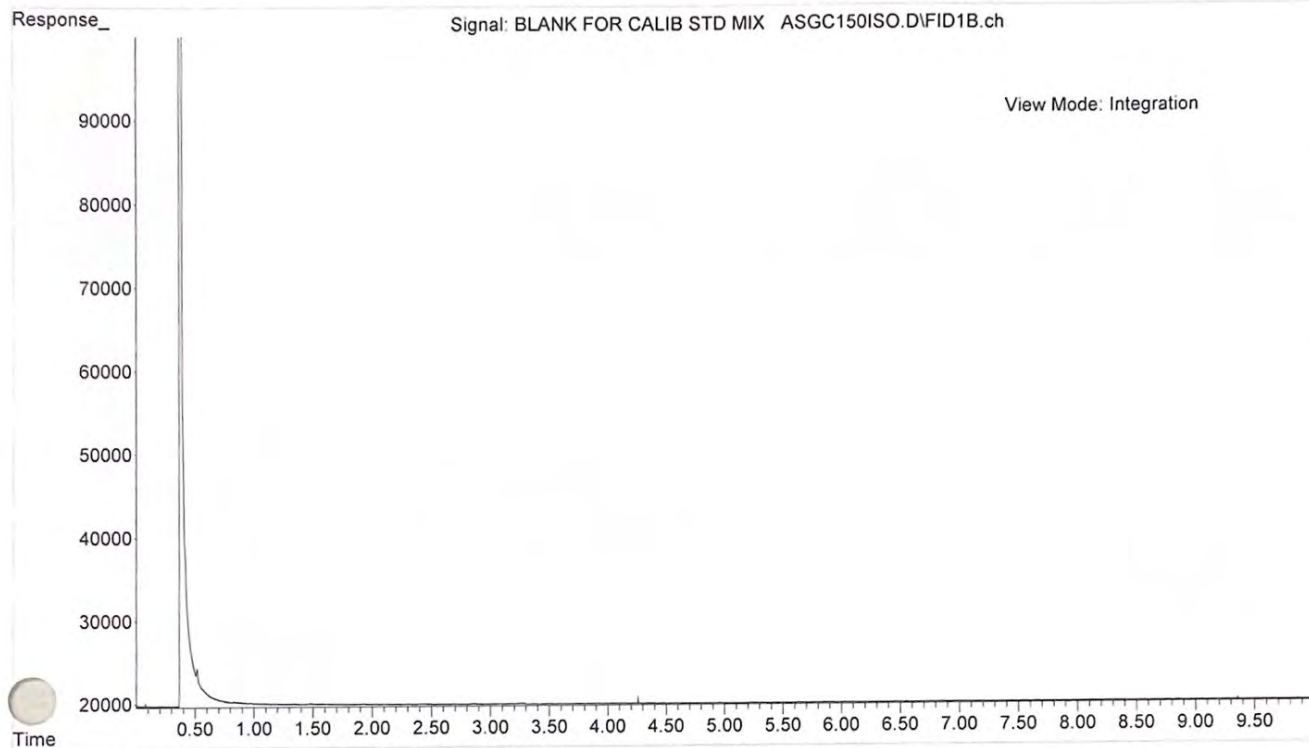
Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
34.899	:	REPELLER	
90.331	:	IONFOCUS	
27.717	:	ENTRANCE_LENS	
1057.682	:	EMVOLTS	
			1094.9 : Actual EMV
			1.00 : GAIN FACTOR
3306.000	:	AMUGAIN	
141.563	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
9.621	:	ENTLENSOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
507.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

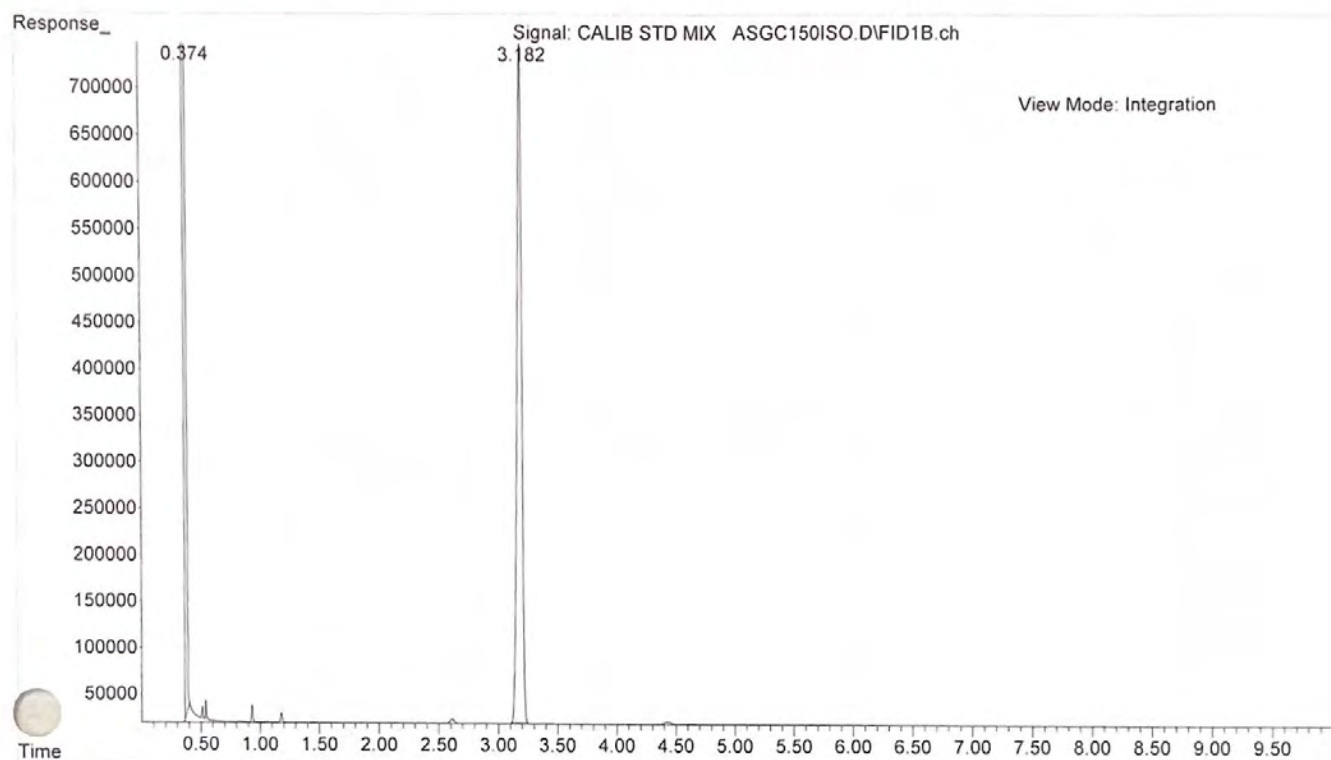
END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

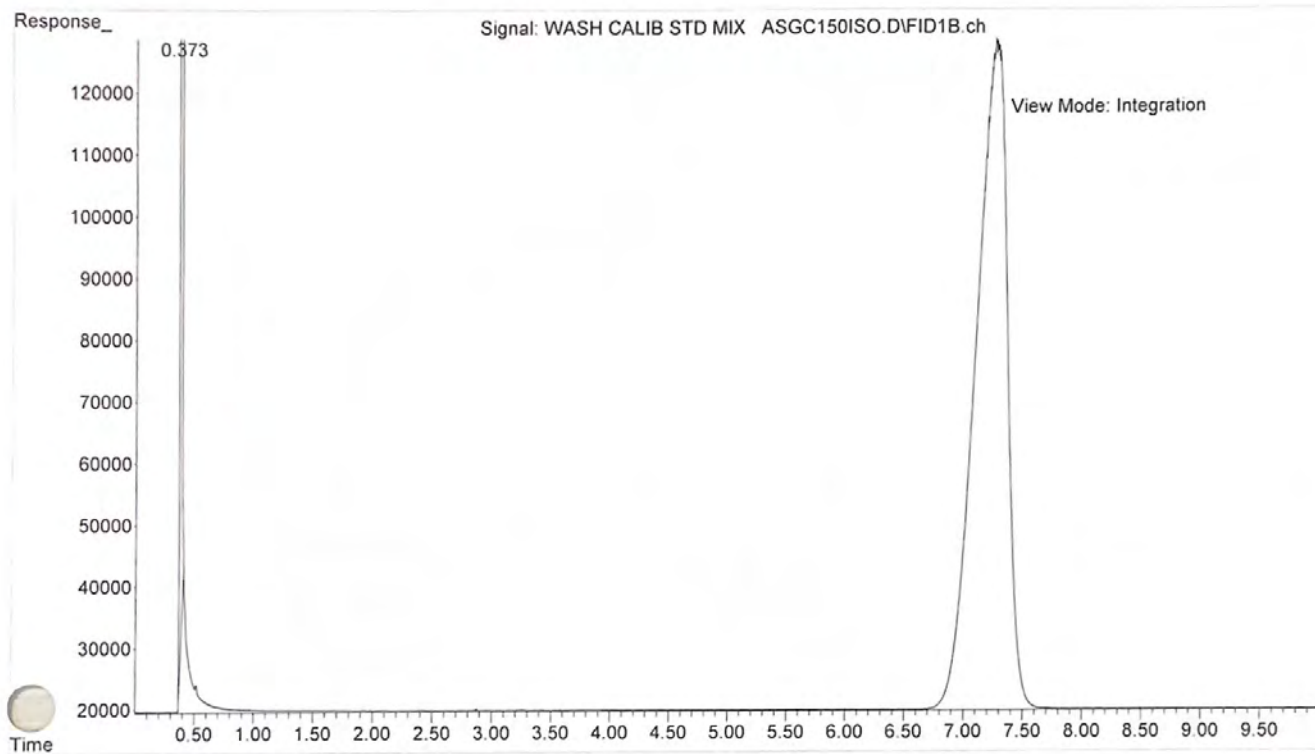
File :D:\MassHunter\GCMS\1\data\Standards --\ASGC150ISO\BLANK FOR
... CALIB STD MIX ASGC150ISO.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 08 Nov 2022 16:04 using AcqMethod ASGC150ISO.M
Sample Name: BLANK FOR CALIB STD MIX ASGC150ISO
Misc Info : MeOH



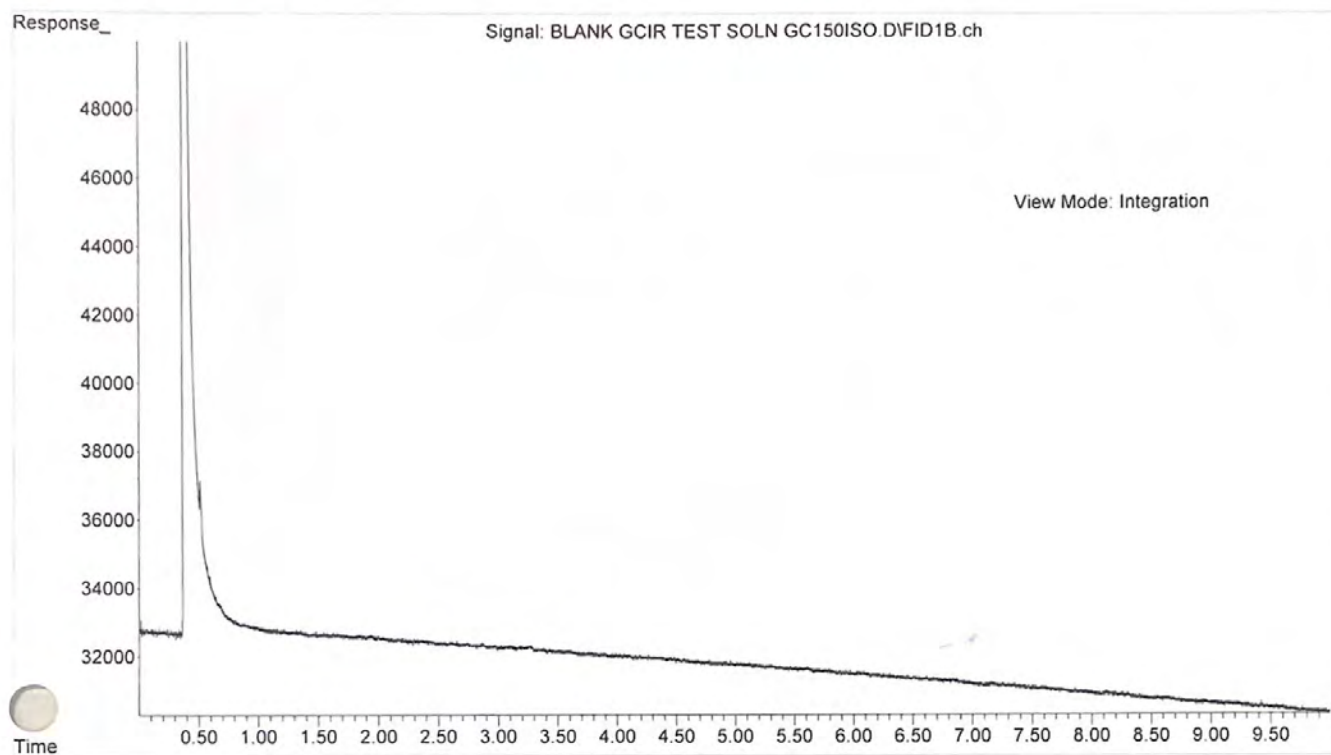
File :D:\MassHunter\GCMS\1\data\Standards --\ASGC150ISO\CALIB STD
... MIX ASGC150ISO.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 08 Nov 2022 16:16 using AcqMethod ASGC150ISO.M
Sample Name: CALIB STD MIX ASGC150ISO
Misc Info : MeOH



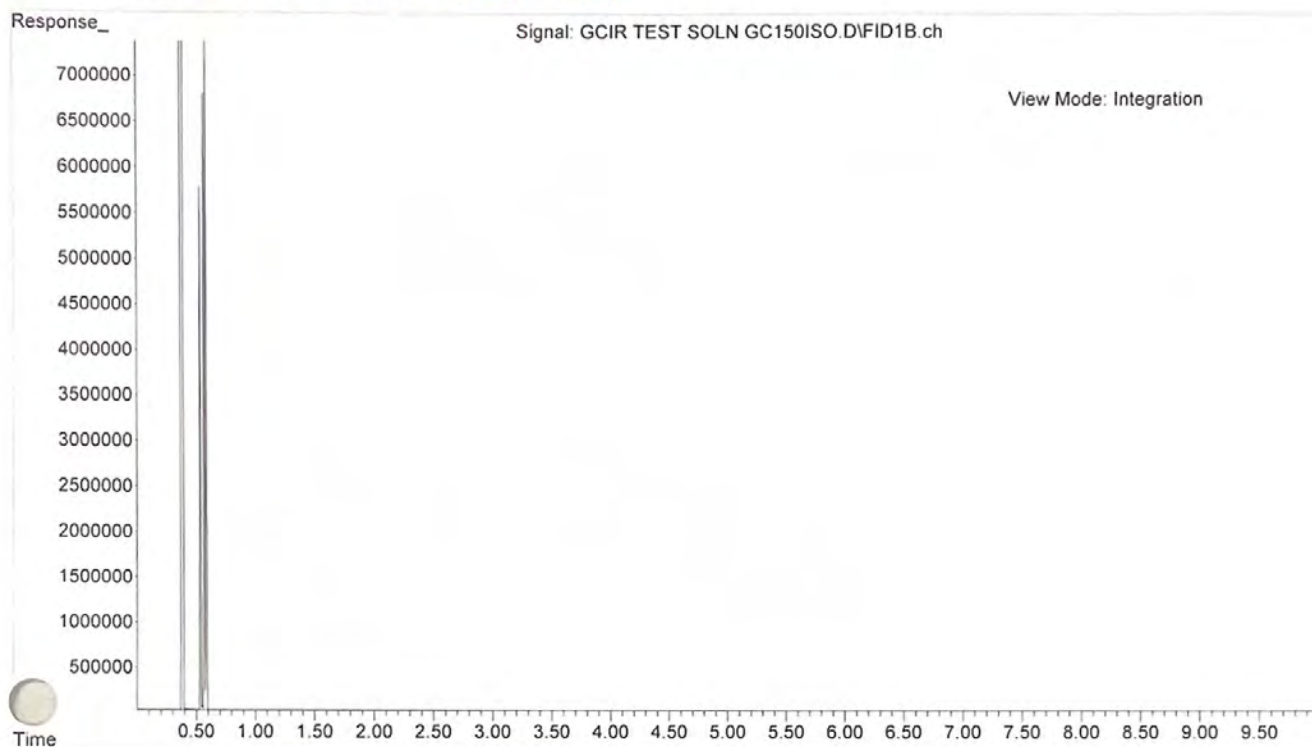
File :D:\MassHunter\GCMS\1\data\Standards --\ASGC150ISO\WASH CALIB
... STD MIX ASGC150ISO.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 08 Nov 2022 16:28 using AcqMethod ASGC150ISO.M
Sample Name: WASH CALIB STD MIX ASGC150ISO
Misc Info : MeOH



File :D:\MassHunter\GCMS\1\data\Standards --\ASGC150ISO\BLANK GCIR
... TEST SOLN GC150ISO.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 04 Nov 2022 13:35 using AcqMethod ASGC150ISO.M
Sample Name: BLANK FOR GC/IR TEST SOLUTION
Misc Info : MeOH



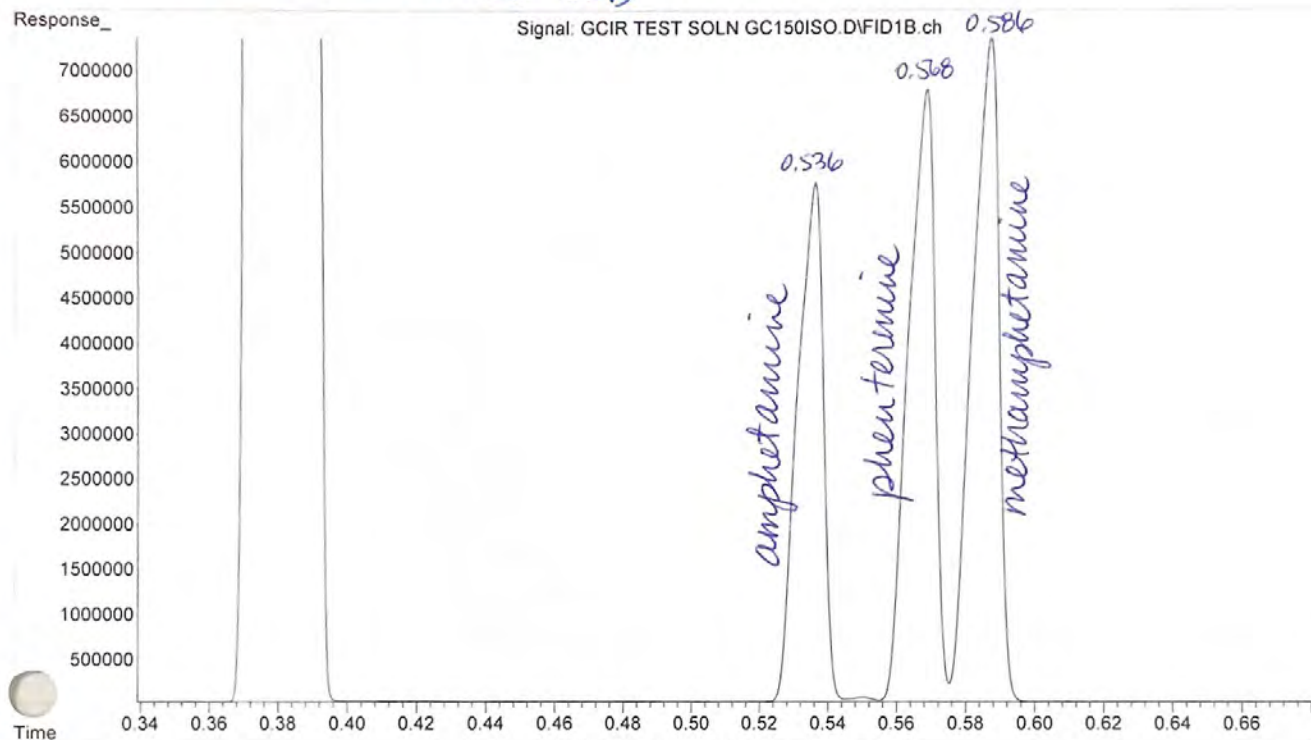
File :D:\MassHunter\GCMS\1\data\Standards --\ASGC150ISO\GCIR TEST
... SOLN GC150ISO.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 04 Nov 2022 13:47 using AcqMethod ASGC150ISO.M
Sample Name: GC/IR TEST SOLUTION (ASGC150ISO)
Misc Info : MeOH 2:1 O.S.N NaOH $\rightarrow$ CH₂Cl₂ JKB



see next page for expanded view and
peak identification

File :D:\MassHunter\GCMS\1\data\Standards --\ASGC150ISO\GCIR TEST
... SOLN GC150ISO.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 04 Nov 2022 13:47 using AcqMethod ASGC150ISO.M
Sample Name: GC/IR TEST SOLUTION (ASGC150ISO)
Misc Info : MeOH 2:1 0.5N NaOH $\rightarrow$ CHCl₃ JKB

expanded view



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 =
- ☒ Data Acquisition
- ☒ 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

INSTRUMENT CONTROL PARAMETERS: Alma

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

Tue Nov 29 14:27:08 2022

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 70 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 9 min

Equilibration Time 0.25 min
Oven Temperature 325 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS

Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 0
Solvent A Washes (PostInj) 0
Solvent A Volume 4 µL
Solvent B Washes (PreInj) 0
Solvent B Washes (PostInj) 0
Solvent B Volume 4 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 3000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 3000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.5 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	3000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	3000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.5 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 10 psi
On 27.687 mL/min
On 3 mL/min
Off
On 20 mL/min after 3 min
50 :1
24.203 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 17.5 psi
On 185.67 mL/min
On 3 mL/min
Off
Off
50 :1
179.09 mL/min
A Liner has not been selected.

Column
Column #1
Flow
Setpoint
(Initial)
Post Run

On
0.48406 mL/min
0.57353 mL/min

Column Information	Agilent 19091S-602
Description	HP-lms
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
In	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 Flow

Column #2	
Pressure	On
Setpoint	17.5 psi
(Initial)	
Post Run	10 psi

Column Information	Agilent 19091S-913
Description	HP-lms
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	Front 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: US2227M017

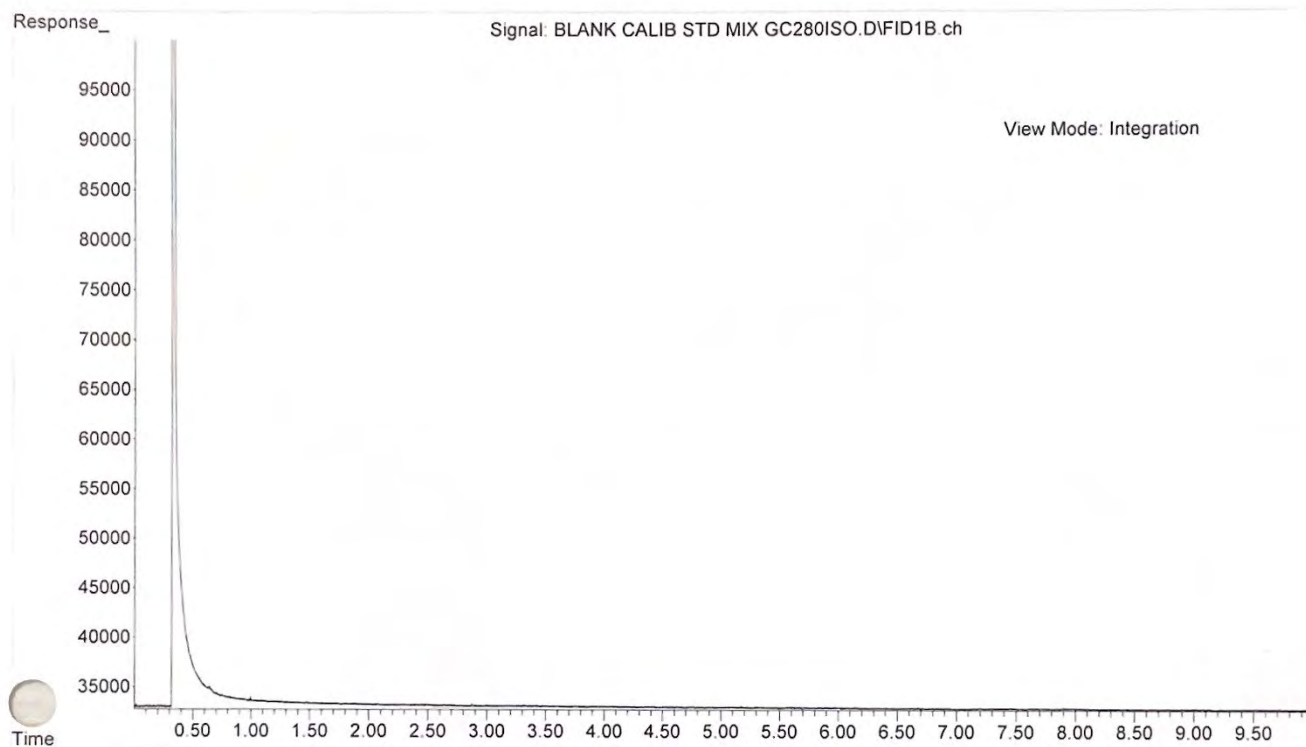
Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
34.899	:	REPELLER	
90.331	:	IONFOCUS	
27.717	:	ENTRANCE_LENS	
1057.682	:	EMVOLTS	
			1094.9 : Actual EMV
			1.00 : GAIN FACTOR
3306.000	:	AMUGAIN	
141.563	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
9.621	:	ENTLENSOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
507.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

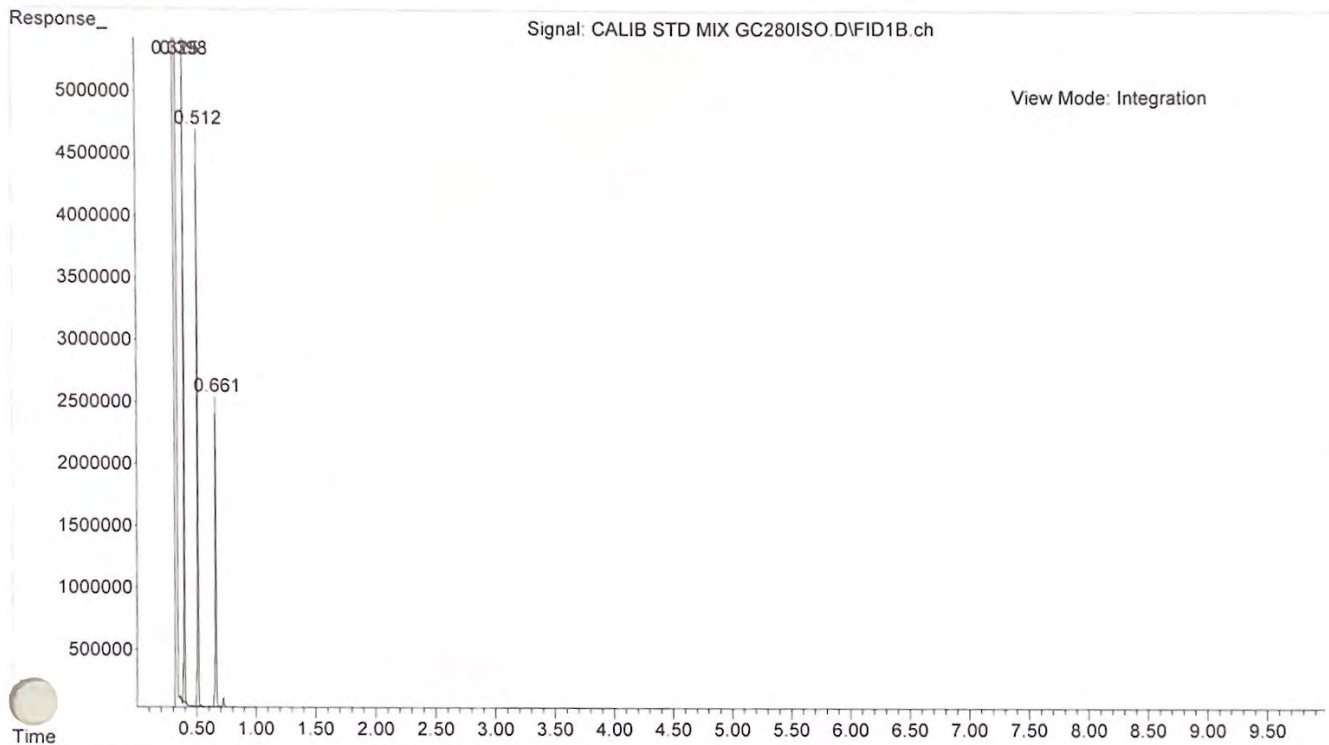
END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

File :D:\MassHunter\GCMS\1\data\Standards --\ASGC280ISO\BLANK CALI
... B STD MIX GC280ISO.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 04 Nov 2022 17:45 using AcqMethod ASGC280ISO.M
Sample Name: BLANK FOR CALIBRATION STD MIX
Misc Info : MeOH

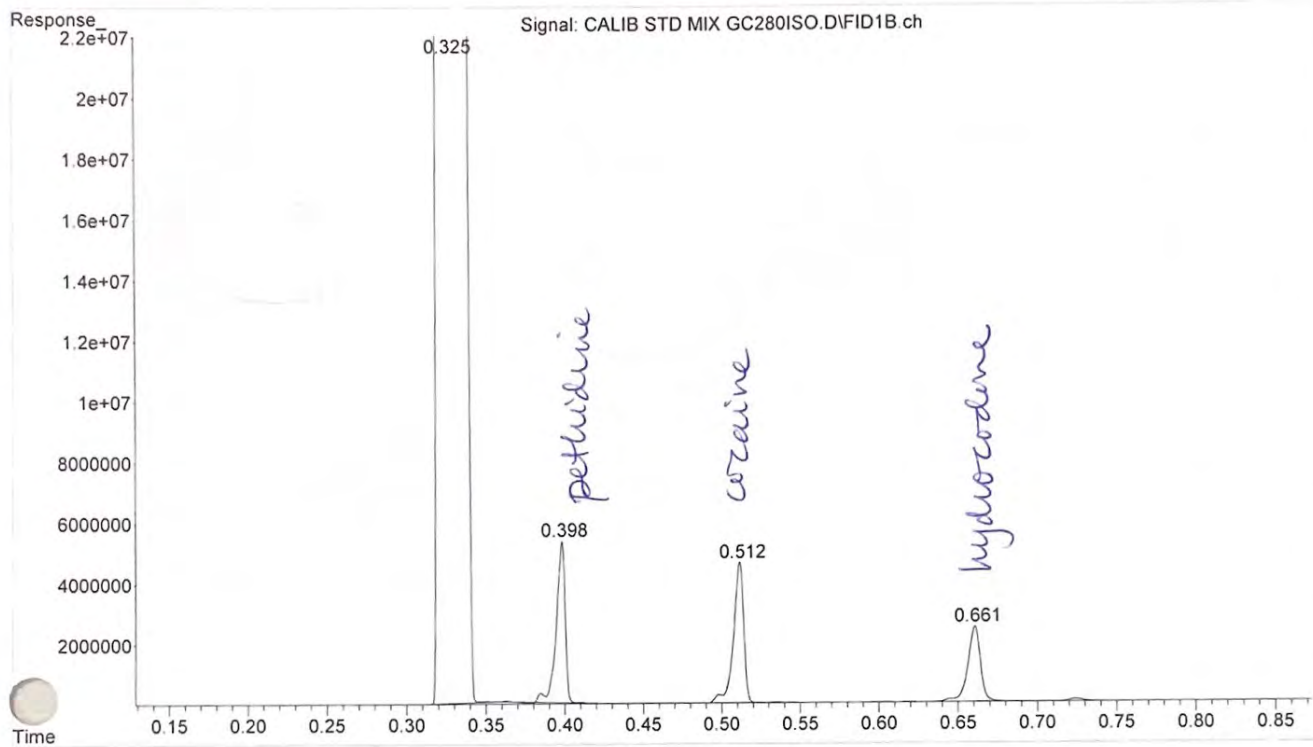


File :D:\MassHunter\GCMS\1\data\Standards --\ASGC280ISO\CALIB STD
... MIX GC280ISO.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 04 Nov 2022 17:57 using AcqMethod ASGC280ISO.M
Sample Name: CALIBRATION STANDARD MIX (ASGC280ISO)
Misc Info : PETHIDINE / COCAINE / HYDROCODONE

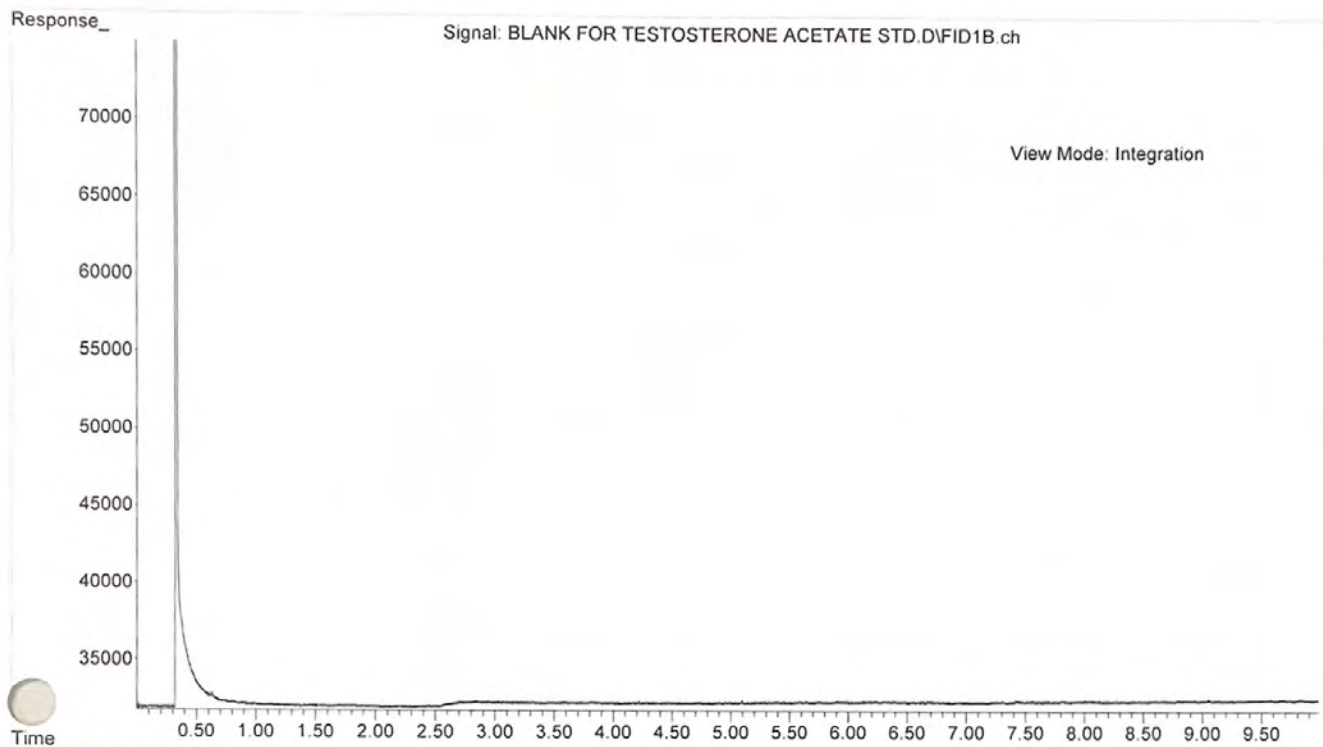


See next page for expanded view + identification

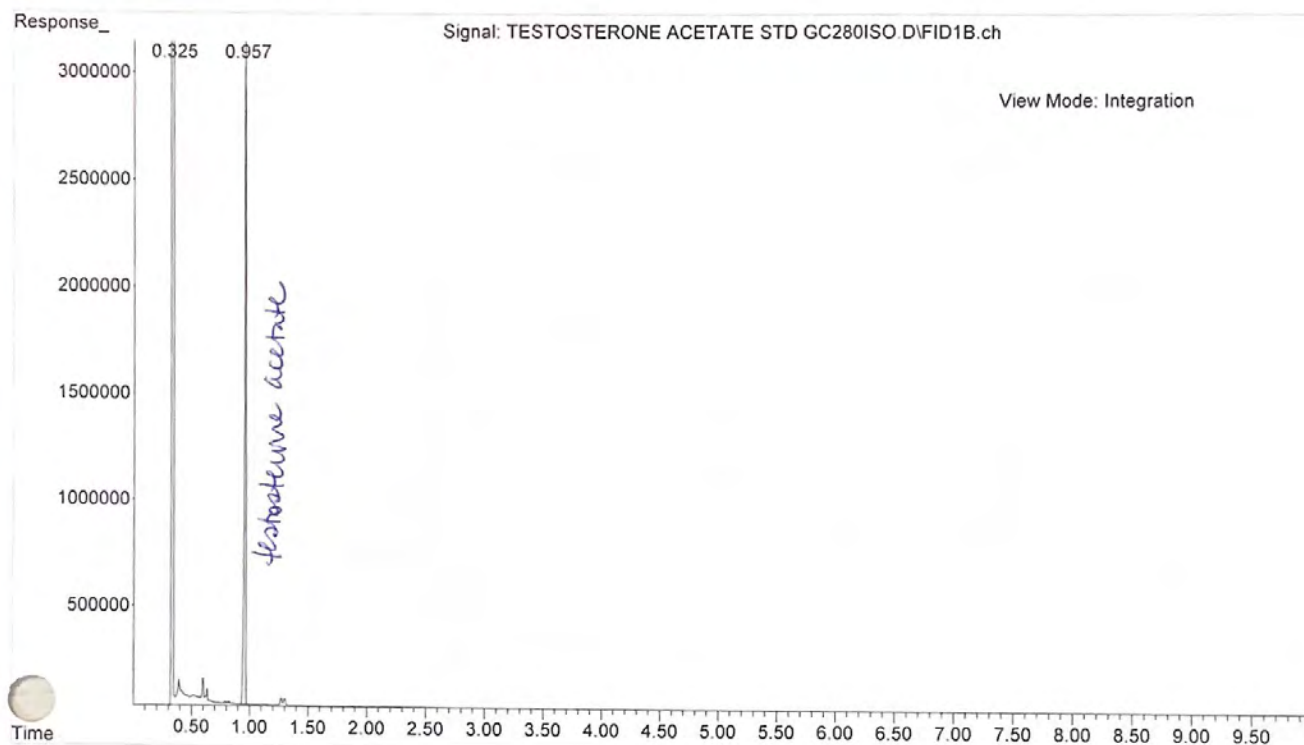
File :D:\MassHunter\GCMS\1\data\Standards --\ASGC280ISO\CALIB STD
... MIX GC280ISO.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 04 Nov 2022 17:57 using AcqMethod ASGC280ISO.M
Sample Name: CALIBRATION STANDARD MIX (ASGC280ISO)
Misc Info : PETHIDINE / COCAINE / HYDROCODONE



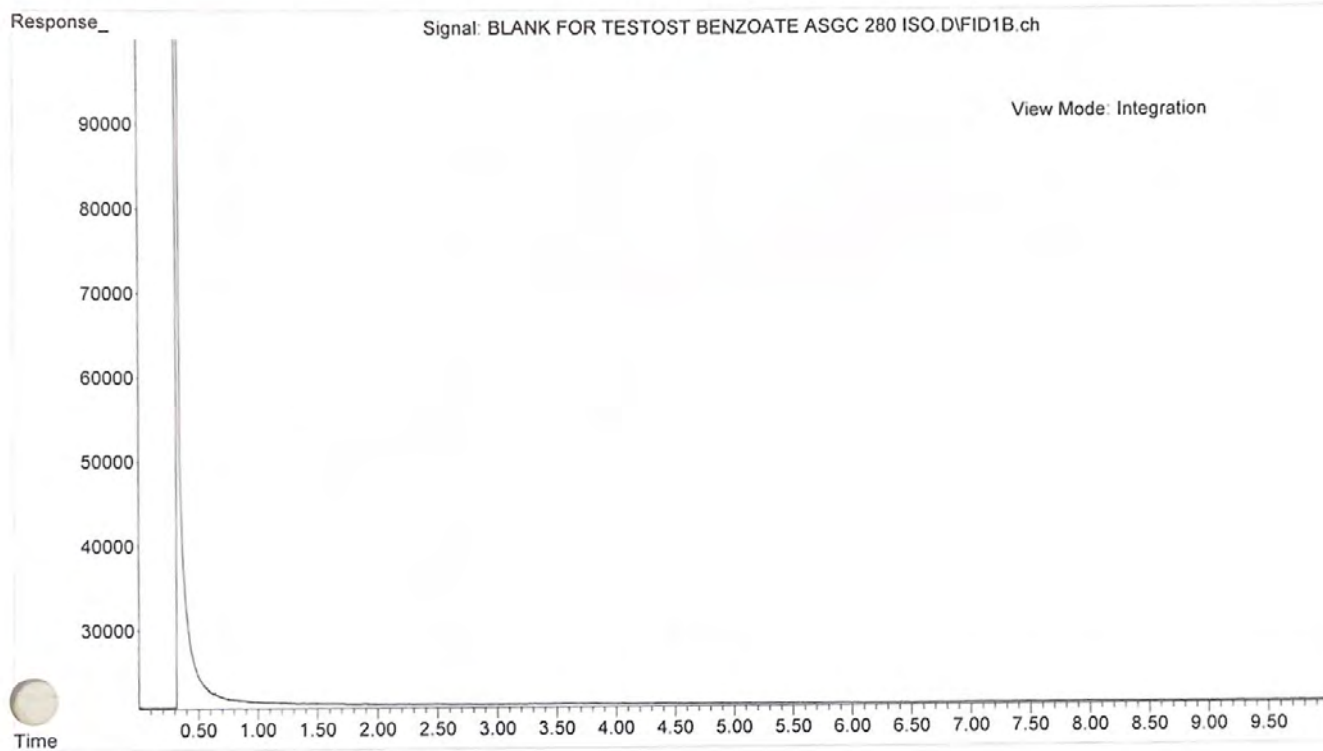
File :D:\MassHunter\GCMS\1\data\Standards --\ASGC280ISO\BLANK FOR
... TESTOSTERONE ACETATE STD.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 04 Nov 2022 17:09 using AcqMethod ASGC280ISO.M
Sample Name: BLANK FOR TESTOSTERONE ACETATE STD
Misc Info : 0.5N NaOH --> CHCl3



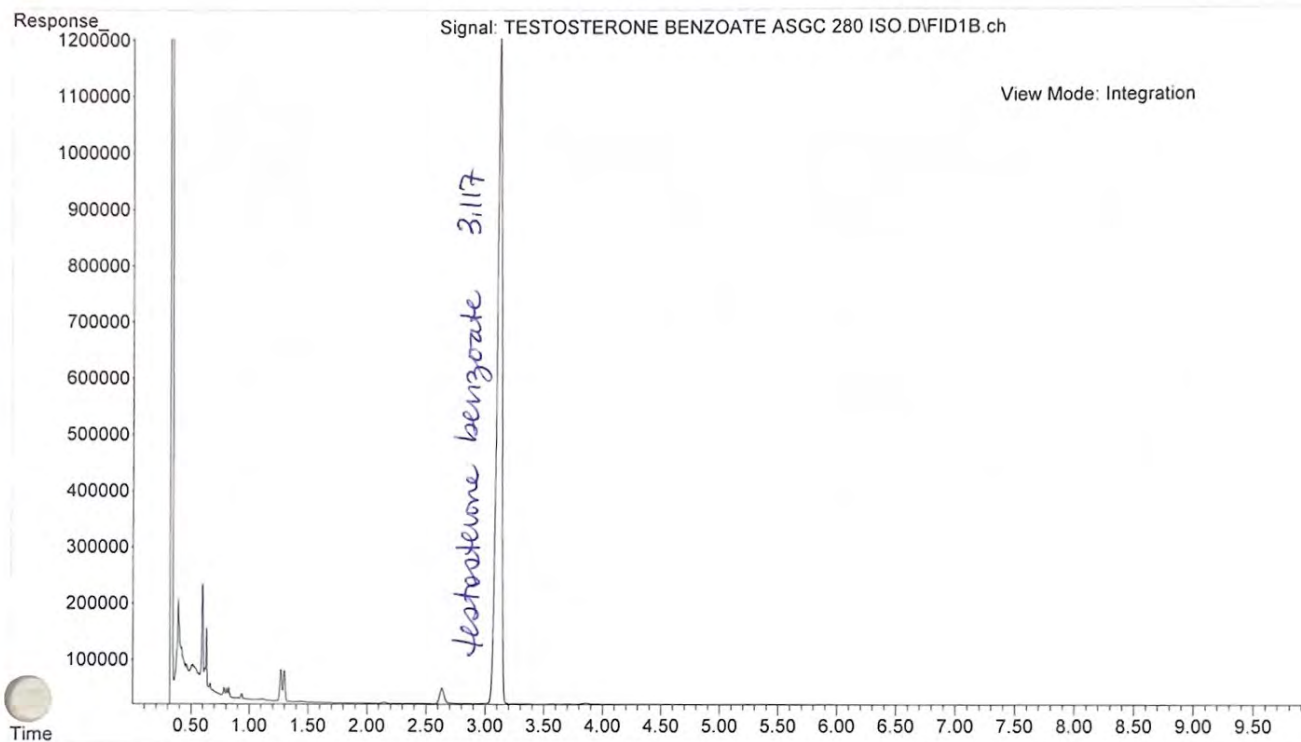
File :D:\MassHunter\GCMS\1\data\Standards --\ASGC280ISO\TESTOSTERO
... NE ACETATE STD GC280ISO.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 04 Nov 2022 17:21 using AcqMethod ASGC280ISO.M
Sample Name: TESTOSTERONE ACETATE STD (ASGC280ISO)
Misc Info : 0.5N NaOH --> CHCl3



File :D:\MassHunter\GCMS\1\data\Standards --\ASGC280ISO\BLANK FOR
... TESTOST BENZOATE ASGC 280 ISO.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 07 Nov 2022 21:41 using AcqMethod ASGC280ISO.M
Sample Name: BLANK FOR TESTOST BENZOATE GC AS280 ISO
Misc Info : MeOH



File :D:\MassHunter\GCMS\1\data\Standards --\ASGC280ISO\TESTOSTERO
... NE BENZOATE ASGC 280 ISO.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 07 Nov 2022 21:53 using AcqMethod ASGC280ISO.M
Sample Name: TESTOSTERONE BENZOATE ASGC 280 ISO
Misc Info : MeOH



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

INSTRUMENT CONTROL PARAMETERS: Alma

D:\MassHunter\GCMS\1\methods\ASGC280ISOTI.M
Tue Nov 29 14:29:04 2022

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 70 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 29 min

Equilibration Time 0.25 min
x Temperature 325 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS

Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 0
Solvent A Washes (PostInj) 0
Solvent A Volume 4 µL
Solvent B Washes (PreInj) 0
Solvent B Washes (PostInj) 0
Solvent B Volume 4 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 3000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 3000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.5 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	3000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	3000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.5 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
	3.3041 psi

Column Information	Agilent 19091S-602
Description	HP-lms
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
In	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)	
Post Run	10 psi

Column Information	Agilent 19091S-913
Description	HP-lms
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
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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	Front 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: US2227M017

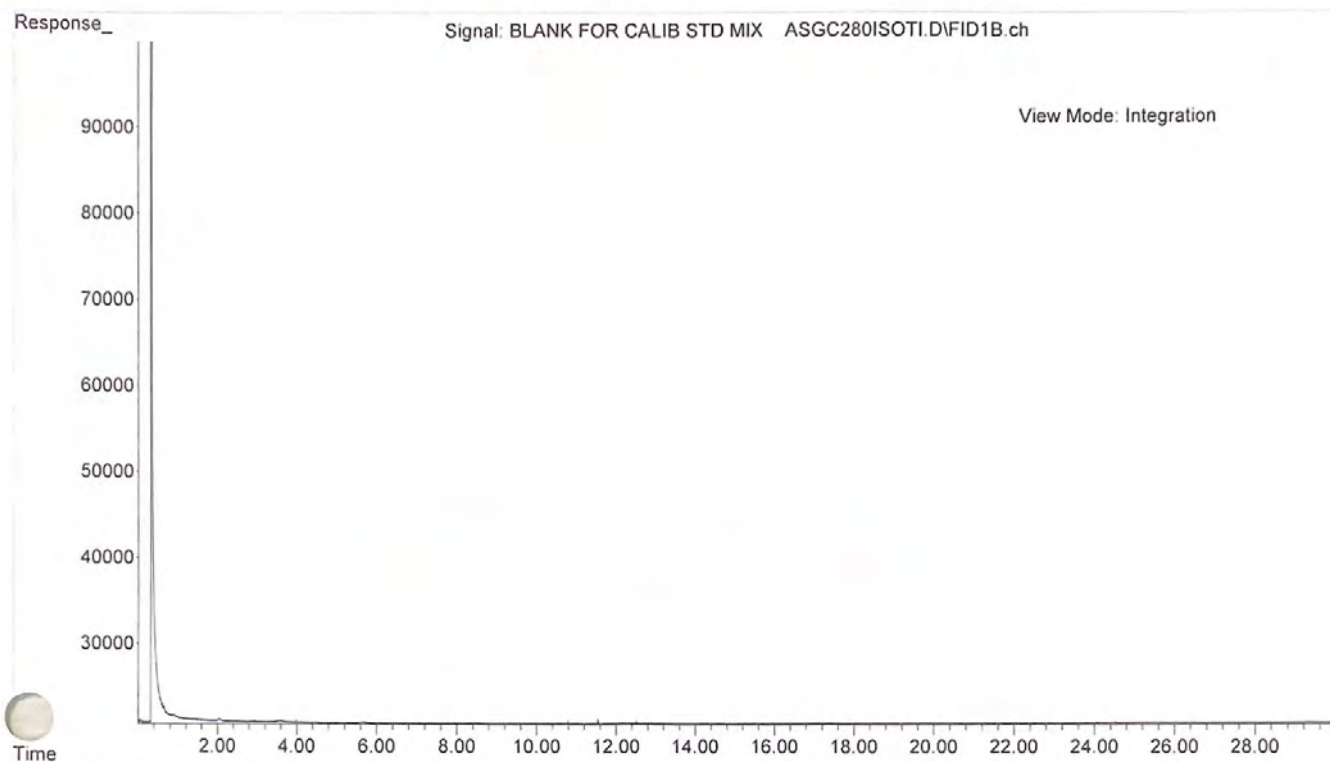
Trace Ion Detection is OFF.

34.593	:	EMISSION	
70.007	:	ENERGY	
34.899	:	REPELLER	
90.331	:	IONFOCUS	
27.717	:	ENTRANCE_LENS	
1057.682	:	EMVOLTS	
			1094.9 : Actual EMV
			1.00 : GAIN FACTOR
3306.000	:	AMUGAIN	
141.563	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
9.621	:	ENTLENSOFFSET	
0.000	:	Ion_Body	
0.000	:	EXTLENS	
507.000	:	MASSGAIN	
-25.000	:	MASSOFFSET	

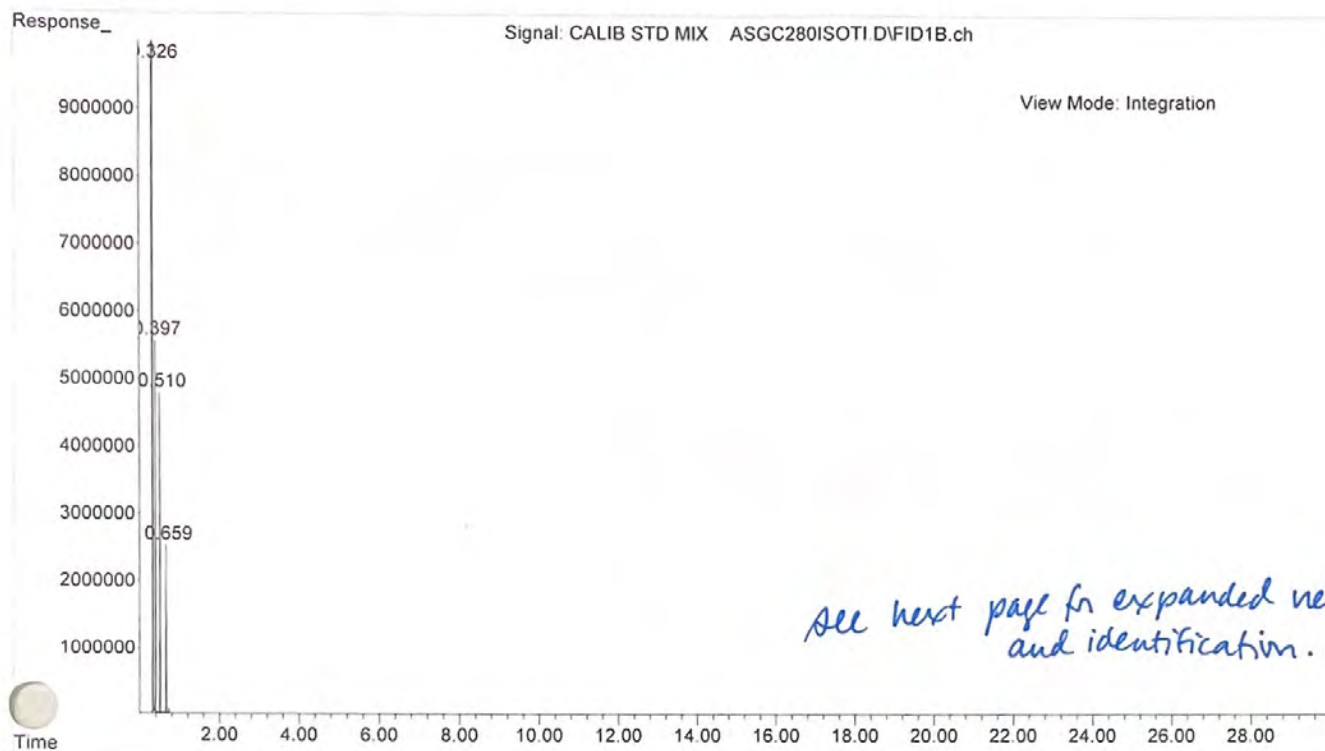
END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

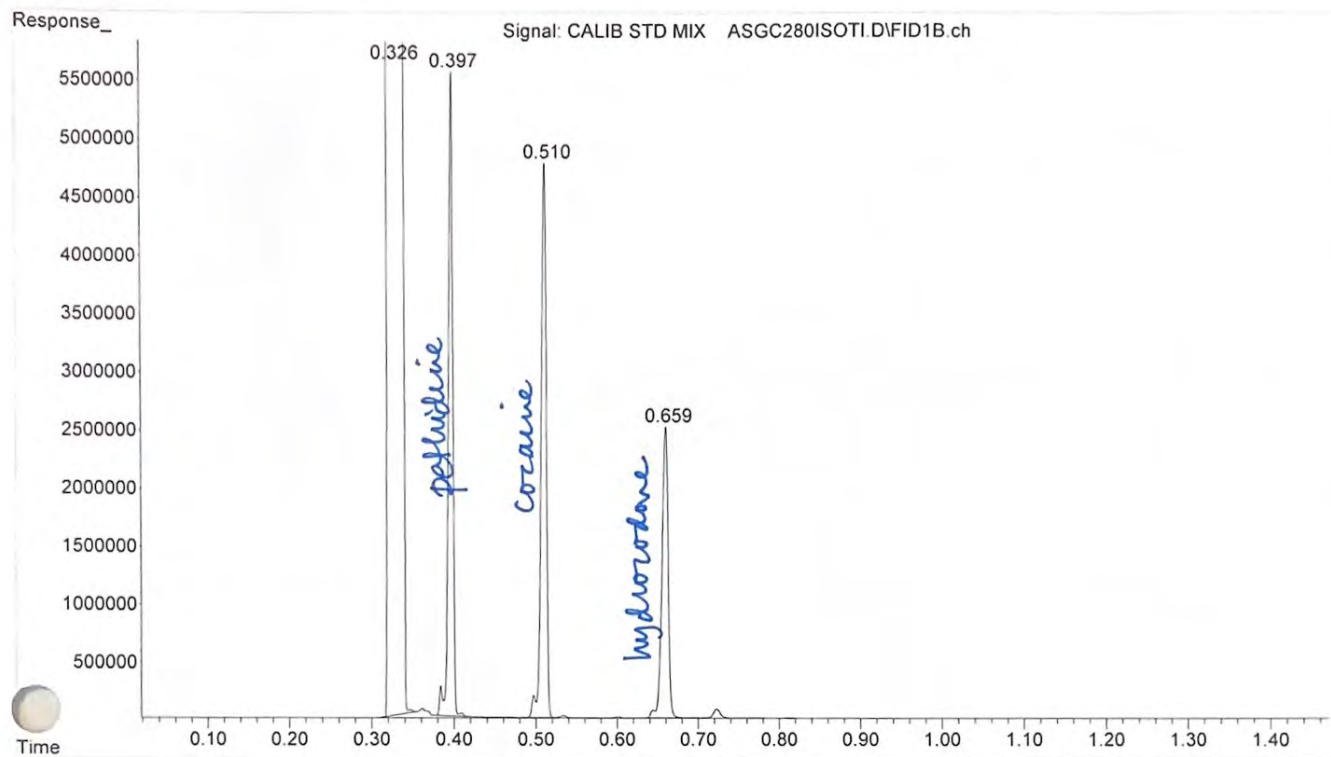
File :D:\MassHunter\GCMS\1\data\Standards --\ASGC280ISOTI\BLANK FO
... R CALIB STD MIX ASGC280ISOTI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 08 Nov 2022 16:43 using AcqMethod ASGC280ISOTI.M
Sample Name: BLANK FOR CALIB STD MIX ASGC280ISOTI
Misc Info : MeOH



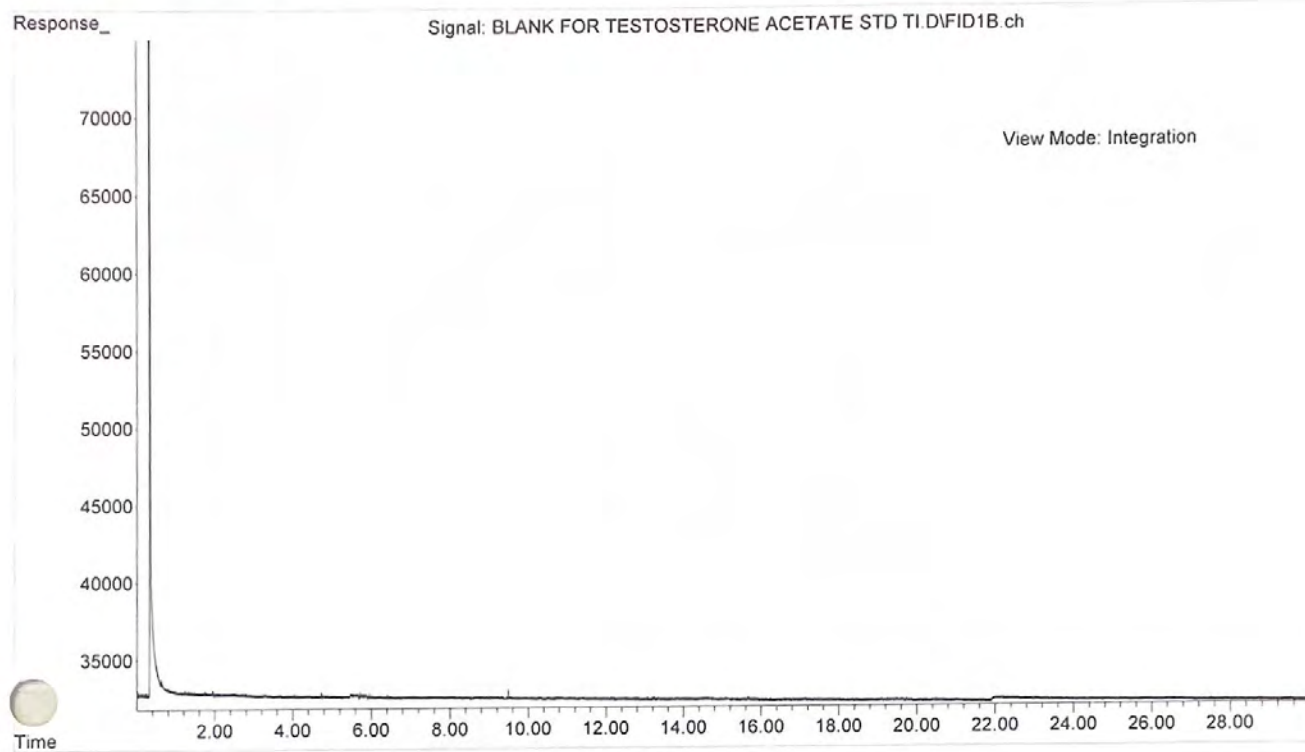
File :D:\MassHunter\GCMS\1\data\Standards --\ASGC280ISOTI\CALIB ST
... D MIX ASGC280ISOTI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 08 Nov 2022 17:15 using AcqMethod ASGC280ISOTI.M
Sample Name: CALIB STD MIX ASGC280ISOTI
Misc Info : MeOH



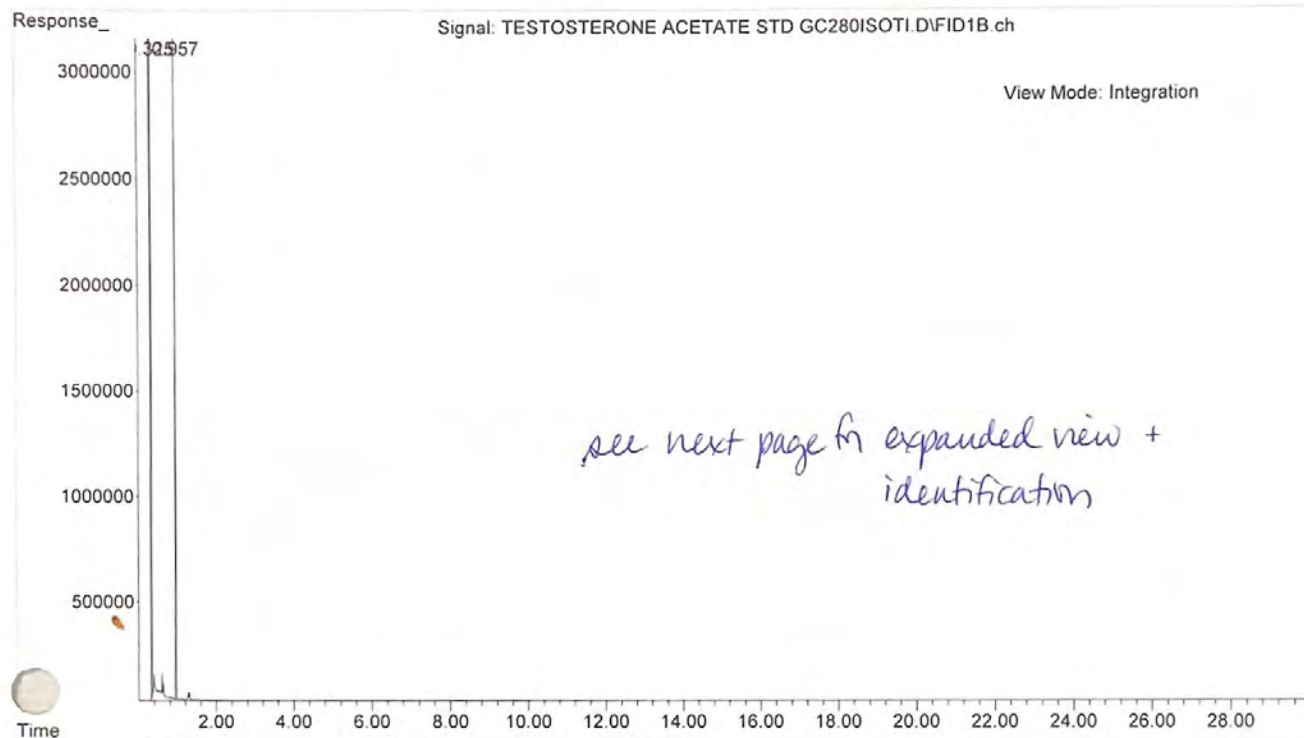
File :D:\MassHunter\GCMS\1\data\Standards --\ASGC280ISOTI\CALIB ST
... D MIX ASGC280ISOTI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 08 Nov 2022 17:15 using AcqMethod ASGC280ISOTI.M
Sample Name: CALIB STD MIX ASGC280ISOTI
Misc Info : MeOH



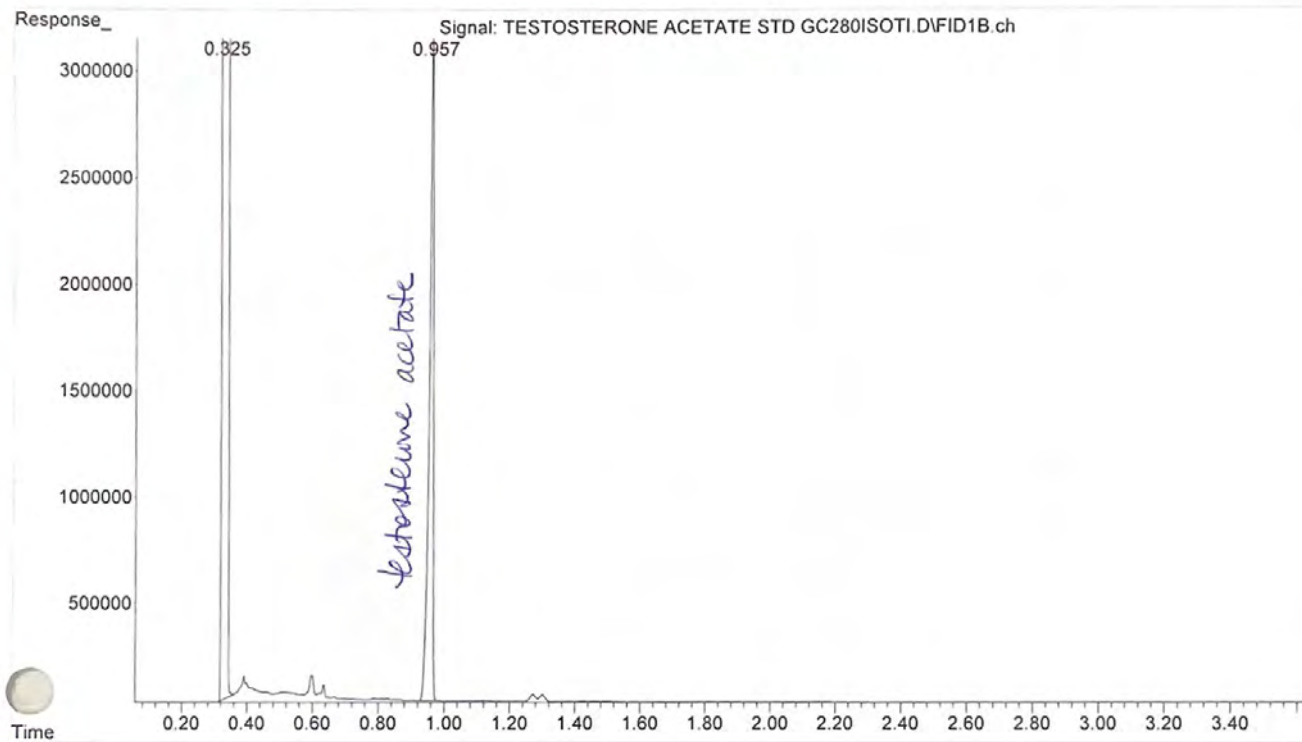
File :D:\MassHunter\GCMS\1\data\Standards --\ASGC280ISOTI\BLANK FO
... R TESTOSTERONE ACETATE STD TI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 04 Nov 2022 18:21 using AcqMethod ASGC280ISOTI.M
Sample Name: BLANK FOR TESTOSTERONE ACETATE STD TI
Misc Info : 0.5N NaOH --> CHCl3



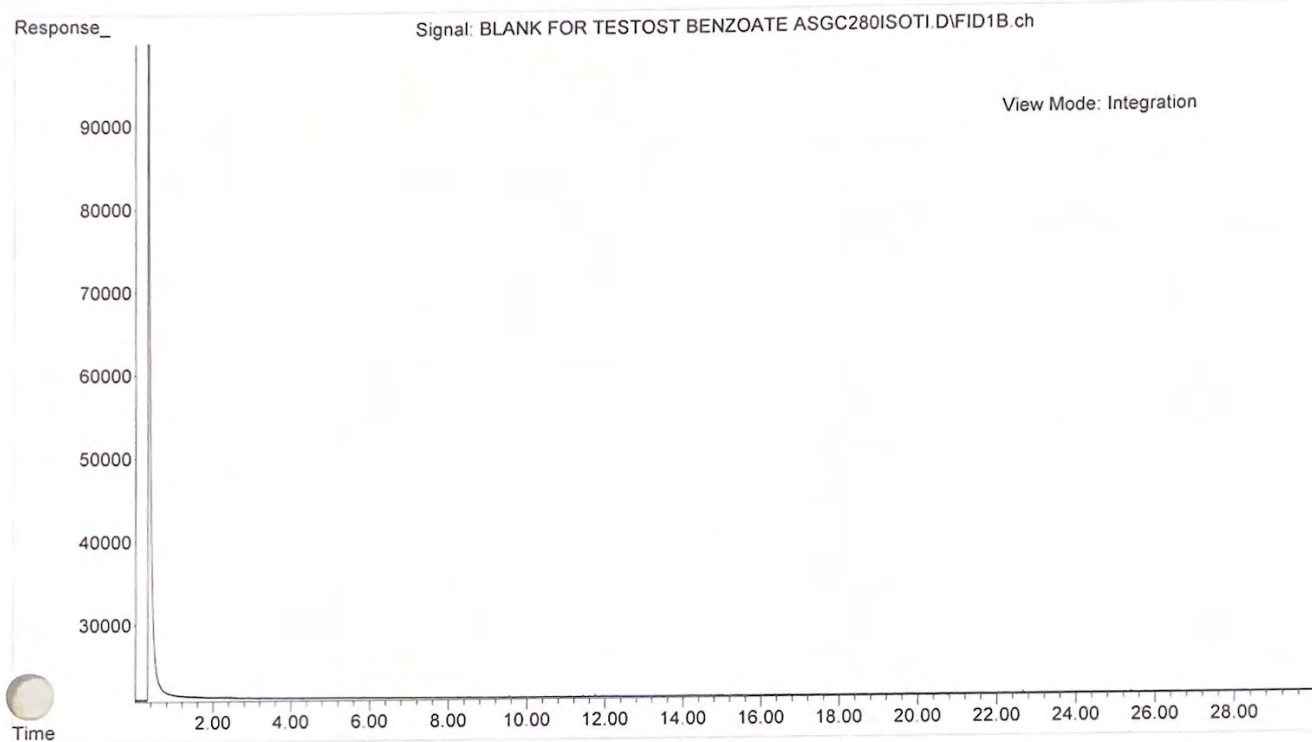
File :D:\MassHunter\GCMS\1\data\Standards --\ASGC280ISOTI\TESTOSTE
... RONE ACETATE STD GC280ISOTI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 04 Nov 2022 18:53 using AcqMethod ASGC280ISOTI.M
Sample Name: TESTOSTERONE ACETATE STD (ASGC280ISOTI)
Misc Info : 0.5N NaOH --> CHCl3



File :D:\MassHunter\GCMS\1\data\Standards --\ASGC280ISOTI\TESTOSTE
... RONE ACETATE STD GC280ISOTI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 04 Nov 2022 18:53 using AcqMethod ASGC280ISOTI.M
Sample Name: TESTOSTERONE ACETATE STD (ASGC280ISOTI)
Misc Info : 0.5N NaOH --> CHCl3



File :D:\MassHunter\GCMS\1\data\Standards --\ASGC280ISOTI\BLANK FO
... R TESTOST BENZOATE ASGC280ISOTI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 07 Nov 2022 22:17 using AcqMethod ASGC280ISOTI.M
Sample Name: BLANK FOR TESTOST BENZOATE ASGC280ISOTI
Misc Info : MeOH



File :D:\MassHunter\GCMS\1\data\Standards --\ASGC280ISOTI\TESTOSTE
... RONE BENZOATE ASGC280ISOTI.D
Operator : JEN BACHMAN
Instrument : Alma
Acquired : 07 Nov 2022 22:49 using AcqMethod ASGC280ISOTI.M
Sample Name: TESTOSTERONE BENZOATE ASGC280ISOTI
Misc Info : MeOH

