

TBI-FORENSIC SERVICES DIVISION PERFORMANCE VERIFICATION FORM

Instrument/Method to Verify:

GC/MS 6890N/5975 (Donna 2) Windows 10 Computer Upgrade

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 Glenn J. Glen Title SAFS II Initials GJG

Completed: 

Name _____ Title _____ Initials _____

Completed:

Name _____ Title _____ Initials _____

Completed:

Verification of final review:

Unit Supervisor: Rebecca Hernandez

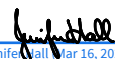
Section Manager: Glenn Everett

Unit Supervisor: Brett Trotter

Section Manager:

Unit Supervisor:

Section Manager:

Regional Administrator: 
Jennifer Hall (Mar 16, 2023 13:08 CDT)

IT Manager: Matthew Buck

Regional Administrator:

Regional Administrator:

Quality Assurance Manager: 
Chad Johnson (Mar 16, 2023 13:50 CDT)

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

Technical Leader: Brett Trotter

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

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DONNA2

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[illegible]

Donna J

[illegible]

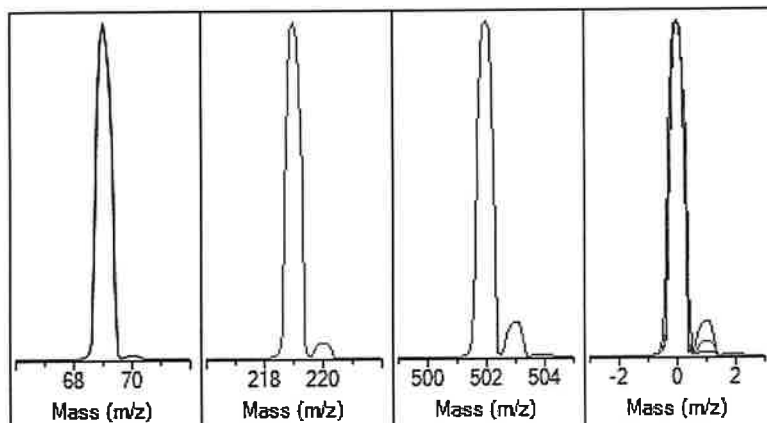
Autotune - 5975

Tune timestamp: 3/10/2023 3:23 PM (UTC-06:00)

Donna2

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US10423616

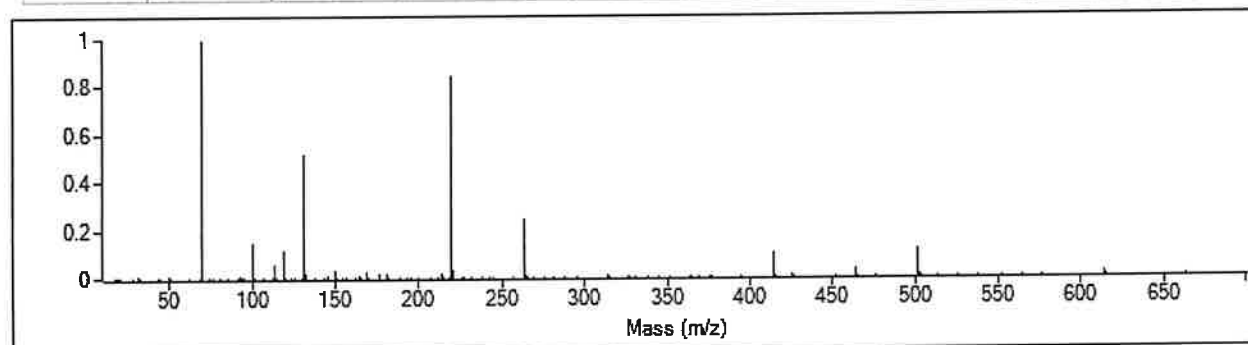


Ion Polarity	Pos	PFTBA	Open
Emission	34.6	Mass Gain	-820
Electron Energy	70.3	Mass Offset	-32
Filament	2	Amu Gain	1672
Repeller	33.28	Amu Offset	120.50
Ion Focus	90.2	Width219	-0.049
Entrance Lens	22.0	DC Polarity	Pos
Ent Lens Offset	19.07	HED Enable	On
		EM Volts	894
		Scan Speed	3
JetClean Flow Actual/[Setpoint]	0.00 [0.00]	Averages	3

Actual m/z	Abund	Rel Abund	Pw50
69.00	443,905	100.0%	0.60
219.00	371,738	83.7%	0.60
502.00	51,114	11.5%	0.61

Temperatures and Pressures			
MS Source	230	Turbo Speed	100.0
MS Quad	150	HI Vac	6.45e-06

Low	High	Step	Speed	Threshold	Peaks	Base	Abundance	Total Ion
10.00	701.00	0.10	3	100	119	69.00	423,872	1,517,920



Target m/z	Actual m/z	Abund	Rel Abund	Iso m/z	Iso Abund	Iso Ratio
69.00	69.00	423,872	100.0%	70.00	4,906	1.2%
219.00	219.00	357,504	84.3%	220.00	15,559	4.4%
502.00	502.00	50,312	11.9%	503.00	5,024	10.0%

Air/Water Check: H2O ~0.3% N2 ~0.3% O2 ~0.1% CO2 ~0.1% N2/H2O ~99.4%

Column(1) Flow: 0.97 Column(2): 1.01 ml/min Interface Temp: 280

Ramp Criteria:

Ion Focus maximum 90 volts using Ion 502; Electron Multiplier Gain 31909.742

Repeller maximum 35 volts using Ion 219; Gain Factor 0.3191

Mass Gain Values(Scan Speed): -816(3) -801(2) -792(1) -764(0) -677(FS1) -676(FS2)

TARGET MASS:	50	69	131	219	414	502	1050
Amu Offset	120.5	120.5	120.5	120.5	120.5	120.5	120.5
Entrance Lens Offset	19.1	19.1	19.1	19.1	19.1	19.1	19.1

Report Created: 3/10/2023 3:23 PM (UTC-06:00)

GC 3-10-2023

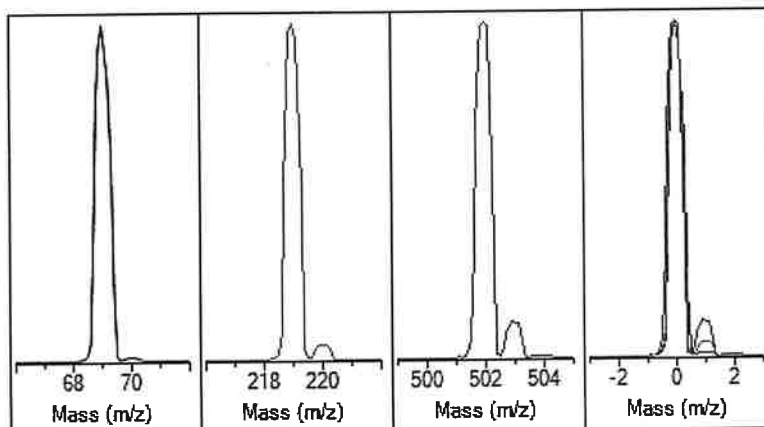
Autotune - 5975

Tune timestamp: 3/2/2023 4:01 PM (UTC-06:00)

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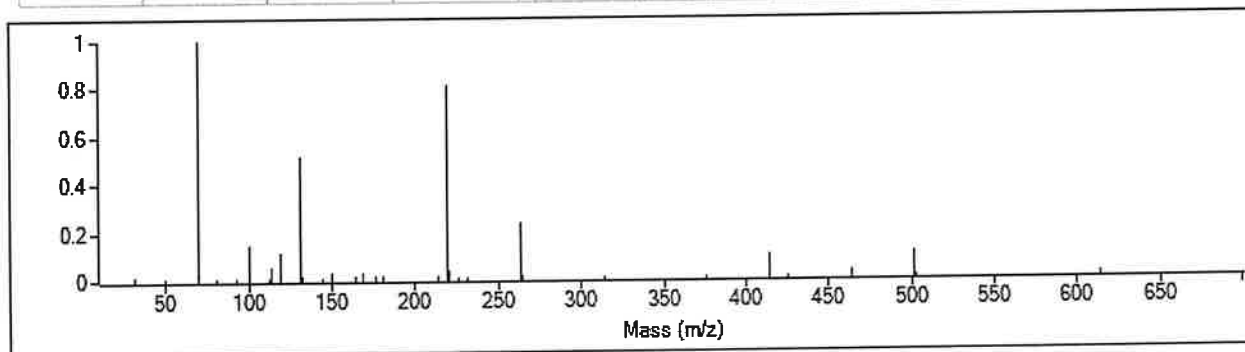


Ion Polarity	Pos	PFTBA	Open
Emission	34.6	Mass Gain	-821
Electron Energy	70.3	Mass Offset	-32
Filament	2	Amu Gain	1673
Repeller	33.28	Amu Offset	120.56
Ion Focus	90.2	Width219	-0.049
Entrance Lens	25.5	DC Polarity	Pos
Ent Lens Offset	18.82	HED Enable	On
		EM Volts	906
		Scan Speed	3
JetClean Flow Actual/[Setpoint]	0.00 [0.00]	Averages	3

Actual m/z	Abund	Rel Abund	Pw50
69.00	487,952	100.0%	0.60
219.00	394,469	80.8%	0.60
502.00	52,745	10.8%	0.61

Temperatures and Pressures			
MS Source	230	Turbo Speed	100.0
MS Quad	150	HI Vac	6.04e-06

Low	High	Step	Speed	Threshold	Peaks	Base	Abundance	Total Ion
10.00	701.00	0.10	3	100	125	69.00	460,224	1,611,097



Target m/z	Actual m/z	Abund	Rel Abund	Iso m/z	Iso Abund	Iso Ratio
69.00	69.00	460,224	100.0%	70.00	5,169	1.1%
219.00	219.00	372,160	80.9%	220.00	16,234	4.4%
502.00	502.00	50,232	10.9%	503.00	5,080	10.1%

Air/Water Check: H2O ~0.3% N2 ~0.3% O2 ~0.1% CO2 ~0.0% N2/H2O ~80.2%

Column(1) Flow: 0.97 Column(2): 1.01 ml/min Interface Temp: 280

Ramp Criteria:

Ion Focus maximum 90 volts using Ion 502; Electron Multiplier Gain 37591.015

Repeller maximum 35 volts using Ion 219; Gain Factor 0.3759

Mass Gain Values(Scan Speed): -811(3) -805(2) -787(1) -760(0) -674(FS1) -673(FS2)

TARGET MASS:	50	69	131	219	414	502	1050
Amu Offset	120.6	120.6	120.6	120.6	120.6	120.6	120.6
Entrance Lens Offset	18.8	18.8	18.8	18.8	18.8	18.8	18.8

Report Created: 3/2/2023 4:02 PM (UTC-06:00)

GC 3-2-2023

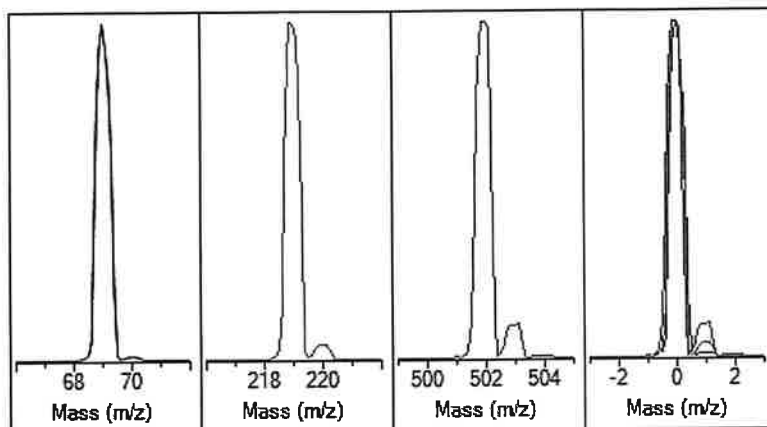
Autotune - 5975

Tune timestamp: 2/23/2023 3:46 PM (UTC-06:00)

Donna2

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US10423616

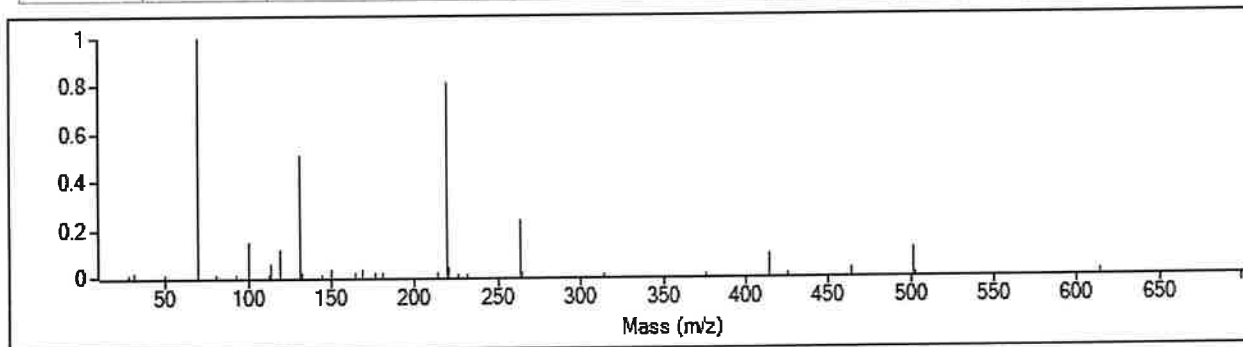


Ion Polarity	Pos	PFTBA	Open
Emission	34.6	Mass Gain	-825
Electron Energy	70.3	Mass Offset	-32
Filament	2	Amu Gain	1671
Repeller	32.77	Amu Offset	121.00
Ion Focus	90.2	Width219	-0.041
Entrance Lens	22.0	DC Polarity	Pos
Ent Lens Offset	19.07	HED Enable	On
		EM Volts	882
		Scan Speed	3
JetClean Flow Actual/[Setpoint]	0.00 [0.00]	Averages	3

Actual m/z	Abund	Rel Abund	Pw50
69.00	407,915	100.0%	0.60
218.90	329,099	80.7%	0.60
502.00	43,549	10.7%	0.61

Temperatures and Pressures			
MS Source	230	Turbo Speed	100.0
MS Quad	150	HI Vac	6.13e-06

Low	High	Step	Speed	Threshold	Peaks	Base	Abundance	Total Ion
10.00	701.00	0.10	3	100	124	69.00	381,312	1,332,177



Target m/z	Actual m/z	Abund	Rel Abund	Iso m/z	Iso Abund	Iso Ratio
69.00	69.00	381,312	100.0%	70.00	4,220	1.1%
219.00	219.00	310,080	81.3%	220.00	13,515	4.4%
502.00	502.00	42,096	11.0%	503.00	4,081	9.7%

Air/Water Check: H2O ~0.3% N2 ~0.5% O2 ~0.1% CO2 ~0.0% N2/H2O ~155.4%

Column(1) Flow: 0.97 Column(2): 1.01 ml/min Interface Temp: 280

Ramp Criteria:

Ion Focus maximum 90 volts using Ion 502; Electron Multiplier Gain 30686.532

Repeller maximum 35 volts using Ion 219; Gain Factor 0.3069

Mass Gain Values(Scan Speed): -816(3) -801(2) -786(1) -761(0) -674(FS1) -682(FS2)

TARGET MASS:	50	69	131	219	414	502	1050
Amu Offset	121.0	121.0	121.0	121.0	121.0	121.0	121.0
Entrance Lens Offset	19.1	19.1	19.1	19.1	19.1	19.1	19.1

Report Created: 2/23/2023 3:46 PM (UTC-06:00)

GC 2-23-2023

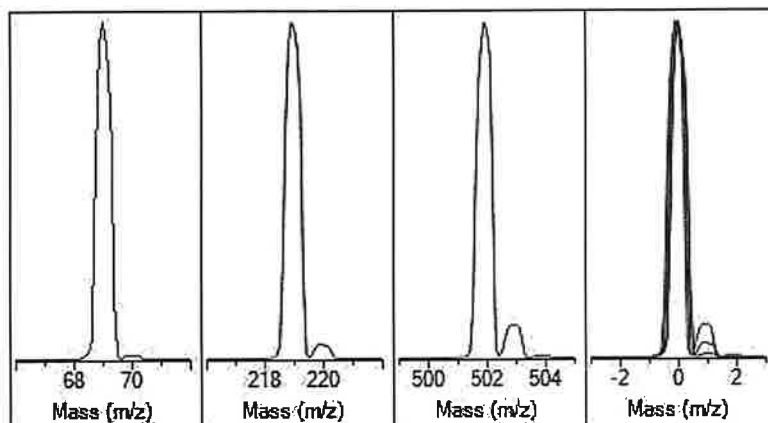
Autotune - 5975

Tune timestamp: 2/13/2023 2:44 PM (UTC-06:00)

Donna2

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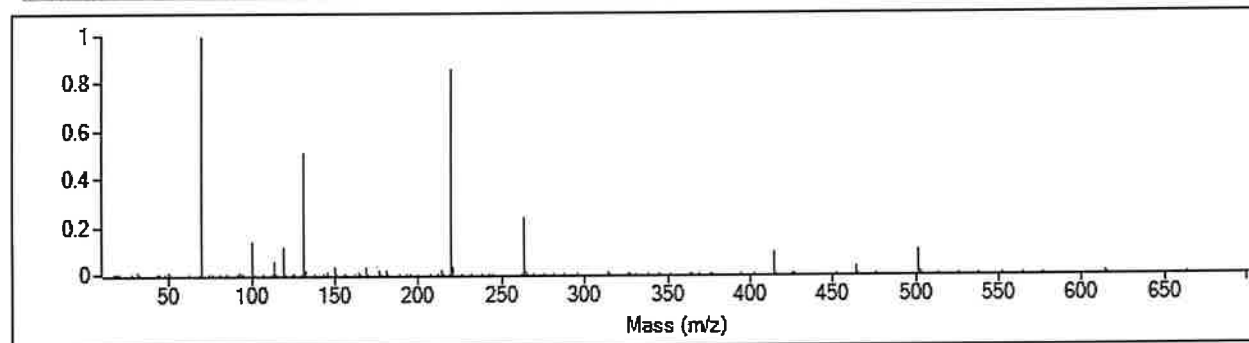


Ion Polarity	Pos	PFTBA	Open
Emission	34.6	Mass Gain	-831
Electron Energy	70.3	Mass Offset	-32
Filament	2	Amu Gain	1680
Repeller	33.28	Amu Offset	122.56
Ion Focus	90.2	Width219	-0.019
Entrance Lens	25.5	DC Polarity	Pos
Ent Lens Offset	18.82	HED Enable	On
		EM Volts	906
		Scan Speed	3
JetClean Flow Actual/[Setpoint]	0.00 [0.00]	Averages	3

Actual m/z	Abund	Rel Abund	Pw50
69.00	473,189	100.0%	0.60
218.90	400,160	84.6%	0.60
501.90	49,252	10.4%	0.60

Temperatures and Pressures			
MS Source	230	Turbo Speed	100.0
MS Quad	150	HI Vac	6.27e-06

Low	High	Step	Speed	Threshold	Peaks	Base	Abundance	Total Ion
10.00	701.00	0.10	3	100	119	69.00	440,960	1,561,520



Target m/z	Actual m/z	Abund	Rel Abund	Iso m/z	Iso Abund	Iso Ratio
69.00	69.00	440,960	100.0%	70.00	4,626	1.0%
219.00	219.00	379,648	86.1%	220.00	16,299	4.3%
502.00	502.00	44,336	10.1%	503.00	4,657	10.5%

Air/Water Check: H2O ~0.2% N2 ~0.4% O2 ~0.1% CO2 ~0.0% N2/H2O ~152.0%

Column(1) Flow: 0.97 Column(2): 1.01 ml/min Interface Temp: 280

Ramp Criteria:

Ion Focus maximum 90 volts using Ion 502; Electron Multiplier Gain 36949.966

Repeller maximum 35 volts using Ion 219; Gain Factor 0.3695

Mass Gain Values(Scan Speed): -816(3) -801(2) -786(1) -761(0) -674(FS1) -699(FS2)

TARGET MASS:	50	69	131	219	414	502	1050
Amu Offset	122.6	122.6	122.6	122.6	122.6	122.6	122.6
Entrance Lens Offset	18.8	18.8	18.8	18.8	18.8	18.8	18.8

Report Created: 2/13/2023 2:45 PM (UTC-06:00)

GAG 2-13-2023

INSTRUMENT AND COMPONENT SPECIFICATIONS

Agilent 5975 GC System – Serial # US61633037

Agilent 6890N GC/MSD – Serial # CN10617041

DONNA2

GAS CHROMATOGRAPH

Agilent 5975 GC System (G3172A)

Serial # US61633037

MASS SPECTROMETER

Agilent 6890N GC/MSD (G1530N)

Serial # CN10617041

AUTO SAMPLER TRAY

Agilent (G2614A)

Serial # CN42229050

AUTO SAMPLER TOWERS

GC (G2613A)

Serial # US11618663

Mass Spec (G2913A)

Serial # CN61532409

COLUMNS

GC

Agilent J&W HP-1MS

Part # 19091S-913

15 Meter length

0.320 mm diameter

0.25 micrometer film thickness

Mass Spec

Agilent J&W HP-1MS

Part # 19091S-602

12.5 Meter length

0.200 mm diameter

0.33 micrometer film thickness

COMPUTER OPERATING SYSTEM

Device Specifications

Device name	DONNA2
Processor	12 th Gen Intel (R) Core (TM) i7-12700 CPU 2.10 GHz
Installed RAM	16.0 GB (15.7 GB usable)
Device ID	017AF219-5C0B-48A4-848B-7F276986DB57
Product ID	00355-63022-85157-AAOEM
System type	64-bit operating system, x64-based processor

Windows Specifications

Edition	Windows 10 Pro
Version	22H2
Installed on	12/07/2022
OS build	19045.2604

Productivity Tools

Enhanced ChemStation

MSD ChemStation F.01.03.2357

Copyright 1989-2015 Agilent Technologies, Inc.

Agilent MassHunter Workstation

GC/MS Data Acquisition

Version 10.0.368

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VALIDATION OVERVIEW

Agilent 5975 GC System – Serial # US61633037

Agilent 6890N GC/MSD – Serial # CN10617041

DONNA2

The following documentation validates gas chromatograph / mass spectrometer instrumentation, identified as DONNA2, for analytical utilization in the Forensic Chemistry Unit (FCU) of the Tennessee Bureau of Investigation Crime Laboratory in Nashville, Tennessee. Due to evolving quest for automation, networking and analyst capability to access operations and data functions remotely, the system was upgraded to a Windows 10 Pro; version 22H2; 19045.2604 computer. Previously established methods 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 auto sampling tower specifications and adjustments thereunto the aforementioned inaugurates performance verification of Agilent 5975 GC System and 6890N 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. Being that this system is procedurally similar to GC/MS systems currently in use from Agilent Technologies and validated within FCU, analysis of analytical standards with reviewed established method configurations 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. Concluding recommendation from review of method parameters, functionality, data of analytical standards for specified GC and MS (manual and auto sample) methods is that this Agilent 5975 GC System and 6890N GC/MSD, DONNA2, has been evaluated and is fit for use in the analysis of all controlled substances in the Forensic Chemistry Unit.

PURPOSE OF VALIDATION

Agilent 5975 GC System – Serial # US61633037

Agilent 6890N GC/MSD – Serial # CN10617041

DONNA2

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 over twenty years with Chemstation software that is similar and familiar across each 6890/5973, 6890N/5973 inert, 6890N/5975, 7890A/5975C and 7890B/5977B GC/MS systems with varying computer hard drives. Therefore, the purpose of this study is to verify DONNA2's method performance for both gas chromatograph and mass spectrometer utilizing manual injection and auto sample modes of analysis in context of the Windows 10 Pro computer upgrade. The methods will be evaluated for function and practicality by a variety of analytical standard samples to demonstrate detection at varying initial oven temperature set points and duration with ramped and isothermal temperature end points.

TRAINING REQUIREMENTS

Agilent 5975 GC System – Serial # US61633037

Agilent 6890N GC/MSD – Serial # CN10617041

DONNA2

The Agilent 7890A GC System and Agilent 5975A 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 and 7890/5977B. Each analyst within the Forensic Chemistry Unit has training and familiarity navigating this system hence, therefore, no special training is necessary for utilizing this system for analytical casework.

VALIDATION PROCEDURE

Agilent 5975 GC System – Serial # US61633037

Agilent 6890N GC/MSD – Serial # CN10617041

DONNA2

Instrument Set-up

Computer system was converted to Windows 10 Pro. All other systems electrical and mechanical (such as gases – helium, hydrogen and air) were intact and remained constant.

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 analyzing various analytical standards verifying method performance in conjunction with Windows 10 Pro.

Reviewing Method Parameters

Previously established DONNA2 methods were used for verification of performance with the Windows 10 Pro system.

Analytical Standards Analysis – The GC/MS Calibration Standard Mix of pethidine, cocaine and hydrocodone will be analyzed on all methods except for higher temperature, 280 Celsius isothermal methods.

Low Temperature Initial Set Points – The GC/IR Test Solution will be analyzed on all 60 and 100 Celsius methods with the exception of MS and GC manual injection methods.

Higher Temperature Set Points – Buprenorphine and LSD standards will be analyzed on 200 Celsius methods with the exception of MS and GC manual injection methods and Time Reduced Methods.

Isothermal Set Points – The GC/IR Test Solution will be analyzed on both GC150ISO and ASGC150ISO methods. Buprenorphine and LSD will be analyzed on all autosample 280 Celsius isothermal methods. However, LSD will only be analyzed on MS280ISO and GC280ISO while Buprenorphine will only be analyzed on GC280ISOTI methods.

Time Reduced Methods – The GC/IR Test Solution will be analyzed on ASMS100TR method. 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 and LSD will be analyzed on the ASMSDRUGSTI method. Buprenorphine and LSD will be analyzed on the ASGC280ISOTI method.

Evaluation

Acquired data from the aforementioned methods will be considered ensuring detection, chromatographic quality, total ion chromatograph and ion abundance as well as baseline separation of standard mixtures such as the Calibration Standard Mix (pethidine, cocaine and hydrocodone) and GC/IR Test Solution (amphetamine, methamphetamine and phentermine) as well as singular standards of Buprenorphine and LSD.

ANALYTICAL STANDARD SPECIFICATIONS

Agilent 5975 GC System – Serial # US61633037

Agilent 6890N GC/MSD – Serial # CN10617041

DONNA2

STANDARDS ANALYZED

GC / MS Calibration Standard Mix

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

Cocaine: Sigma Lot# SLCF4870

Hydrocodone: Merck Lot# V1526

Methanol: Lot# 214330 (bottle D)

Made: 5/2/2022 by: BTT

Expires: 5/2/2023

GC / IR Test Solution

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

Phentermine: Sigma Lot# 47H0208

d,l-Methamphetamine: K&K Labs Lot# 73214

.5N NaOH / CHCl₃ Extraction

.5N NaOH: Lot# 214252

CHCl₃: Lot# 60059 (bottle 1)

Made: 4-9-22 RLF

Expires: 4-9-23

Buprenorphine

Cerilliant Lot# FE03191903 Exp: 6/24

LSD

Cerilliant Lot# FE10161901 Exp: 10/24

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 5975 GC System – Serial # US61633037

Agilent 6890N GC/MSD – Serial # CN10617041

DONNA2

MASS SPEC – MANUAL INJECTION

MSDRUGS100 GC/MS CALIBRATION STANDARD MIX

MSDRUGS200 GC/MS CALIBRATION STANDARD MIX

MSDRUGS60 GC/MS CALIBRATION STANDARD

MSDRUGSTI GC/MS CALIBRATION STANDARD MIX

MS280ISO LSD

MS100TR GC/MS CALIBRATION STANDARD MIX

MS200TR GC/MS CALIBRATION STANDARD MIX

MASS SPEC – AUTO SAMPLE INJECTION

ASMSDRUGS100 GC/MS CALIBRATION STANDARD MIX
GC/IR TEST SOLUTION

ASMSDRUGS200 GC/MS CALIBRATION STANDARD MIX
BUPRENORPHINE
LSD

ASMSDRUGS60 GC/MS CALIBRATION STANDARD MIX

GC/IR TEST SOLUTION

ASMSDRUGSTI	GC/MS CALIBRATION STANDARD MIX GC/IR TEST SOLUTION BUPRENORPHIE LSD
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ASMS280ISO	BUPRENORPHINE LSD
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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
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GC200	GC/MS CALIBRATION STANDARD MIX
-------	--------------------------------

GC150ISO	GC/IR TEST SOLUTION
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GC280ISO	LSD
----------	-----

GC280ISOTI	BUPRENORPHINE
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GC – AUTO SAMPLE INJECTION

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

ASGC200

GC/MS CALIBRATION STANDARD MIX

BUPRENORPHINE

LSD

ASGC150ISO

GC/IR TEST SOLUTION

ASGC280ISO

BUPRENORPHINE

LSD

ASGC280ISOTI

BUPRENORPHINE

LSD

METHOD CONTROL PARAMETERS

Method Information for: E:\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:

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	E:\methods\MSDRUGS100.M
Tune file	atune.u
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
Acquisition Type	Scan
Stop time (min)	10.00
Solvent delay (min)	1.00
Trace Ion Detection	False
Gain Factor	1
EM Saver	False
EM Saver Limit	N/A

Scan Time Segments

Time	Start Mass	End Mass	Threshold	Scan Speed
1.00	40	550	200	3,125 [N=1]

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
Extracted Ion	Scan 1-2	40	550

Self-Cleaning Ion Source Parameters

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

E:\methods\MSDRUGS100.M
Fri Mar 10 15:54:04 2023

Control Information

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

No Sample Prep method has been assigned to this method.

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

Oven
Temperature
Setpoint On
(Initial) 100 °C
Hold Time 1 min
Post Run 0 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 6.43 min

Equilibration Time 0.5 min
Max Temperature 305 °C
Maximum Temperature Override Disabled
Blow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Injection Repetitions 1
Injection Delay 0 sec
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 2
Solvent A Volume 8 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 2
Solvent B Volume 8 µL
Sample Washes 1
Sample Wash Volume 8 µL
Sample Pumps 2
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 300 µL/min
Solvent Wash Dispense Speed 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
Solvent Wash Mode A, B

Back Injector	10 µL
Syringe Size	1 µL
Injection Volume	1
Injection Repetitions	0 sec
Injection Delay	0
Solvent A Washes (PreInj)	0
Solvent A Washes (PostInj)	0
Solvent A Volume	8 µL
Solvent B Washes (PreInj)	0
Solvent B Washes (PostInj)	0
Solvent B Volume	8 µL
Sample Washes	0
Sample Wash Volume	8 µL
Sample Pumps	0
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Solvent Wash Mode	A, B
ALS Errors	Pause for user interaction
Front SS Inlet He	
Mode	Split
Heater	On 250 °C
Pressure	On 10.401 psi
Gas Saver	Off
Split Ratio	50 :1
Split Flow	48.428 mL/min
Liner	A Liner has not been selected.
Back SS Inlet He	
Mode	Split
Heater	On 250 °C
Pressure	On 6.7158 psi
Gas Saver	Off
Split Ratio	50 :1
Split Flow	50.309 mL/min
Liner	A Liner has not been selected.
Thermal Aux 2 (MSD Transfer Line)	
Temperature	
Setpoint	On
(Initial)	280 °C
Hold Time	0 min
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	0.96856 mL/min
Hold Time	0 min
Post Run	0.969 mL/min
Column Information	J&W01
Temperature Range	-60 °C-305 °C (305 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm

Column lock
In
Out
Column Outlet Pressure
(Initial)
Pressure
Flow
Average Velocity
Holdup Time
Control Mode

Unlocked
Front SS Inlet He
MSD
MSD
100 °C
10.402 psi
0.96856 mL/min
56.859 cm/sec
0.3664 min
Constant Flow

Column #2
Pressure
Setpoint
(Initial)
Hold Time
Post Run

On
6.7158 psi
0 min
0 psi

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

AB003
-60 °C-305 °C (305 °C)
30 m x 320 µm x 1 µm
Unlocked
Back SS Inlet He
Front Detector FID
0 psi
100 °C
6.7158 psi
1.0062 mL/min
21.266 cm/sec
2.3512 min
Ramped Pressure

Front Detector FID

Makeup
Heater
Flow
Air Flow
Makeup Flow
Carrier Gas Flow Correction
Flame

He
On 250 °C
Off
Off
On 45 mL/min
Constant Makeup and Fuel Flow
Off

Signals

Signal #1: Front Signal
Description
Details
Save
Data Rate
Dual Injection Assignment

Front Signal
Front Signal (FID)
Off
20 Hz
Front Sample

Signal #2: Front Signal
Description
Details
Save
Data Rate
Dual Injection Assignment

Front Signal
Front Signal (FID)
Off
20 Hz
Back Sample

Column 1 Inventory Number :
Column 2 Inventory Number :

TUNE PARAMETERS for SN: US10423616

Trace Ion Detection is OFF.

34.610	:	EMISSION	
70.347	:	ENERGY	
33.279	:	REPELLER	
90.157	:	IONFOCUS	
22.000	:	ENTRANCE_LENS	
894.118	:	EMVOLTS	
		1023.529	: Actual EMV
		0.99	: GAIN FACTOR
1672.000	:	AMUGAIN	
120.500	:	AMUOFFSET	
2.000	:	FILAMENT	
0.000	:	DCPOLARITY	
19.075	:	ENTLENDOFFSET	
-820.000	:	MASSGAIN	
-32.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

Method Path : E:\methods\
Method File : MSDRUGS100.M
Title : METHAMPHETAMINE QUANTITATION
1st Update :
Response Via : Initial Calibration

Total Cpnds : 0

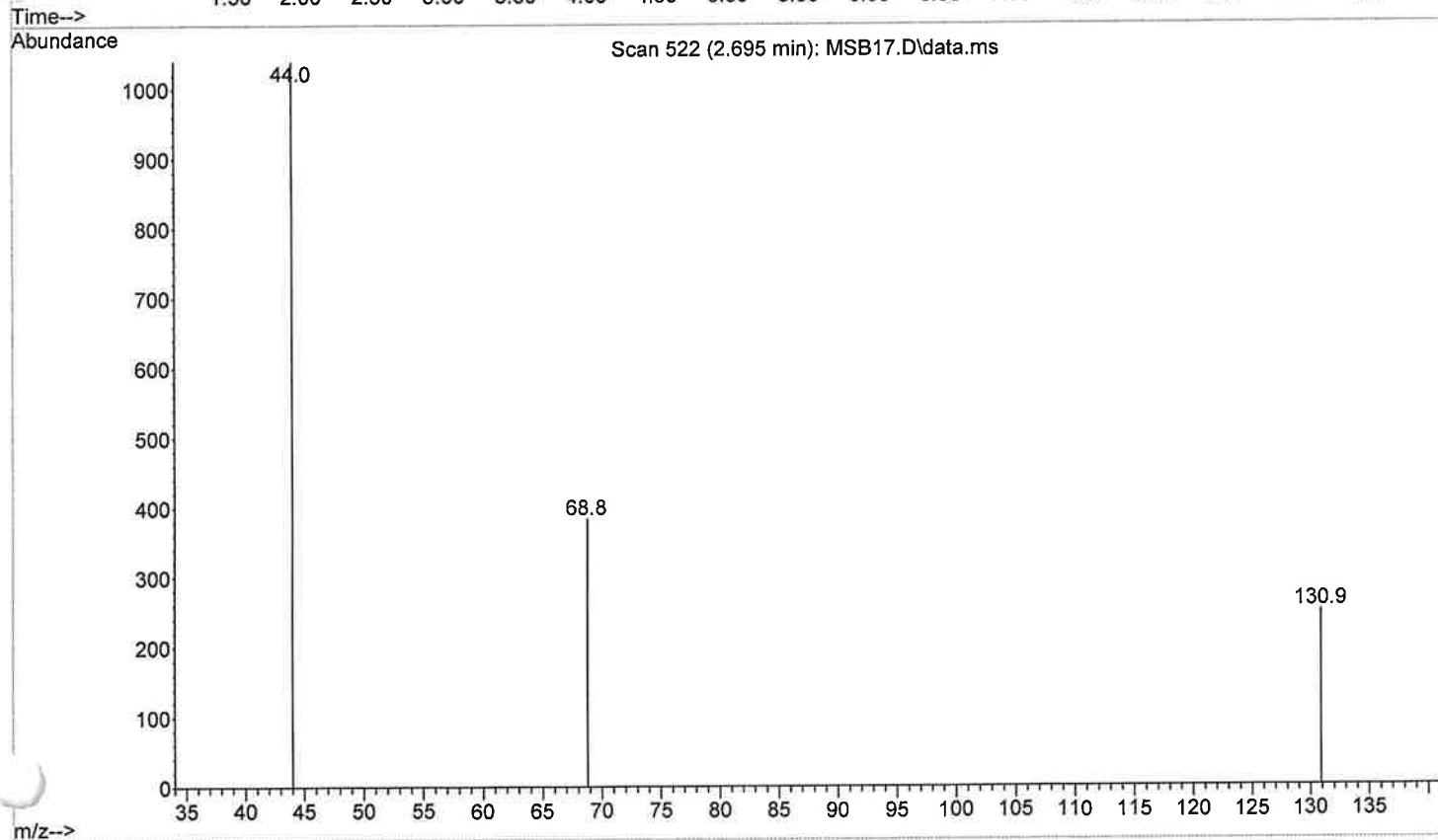
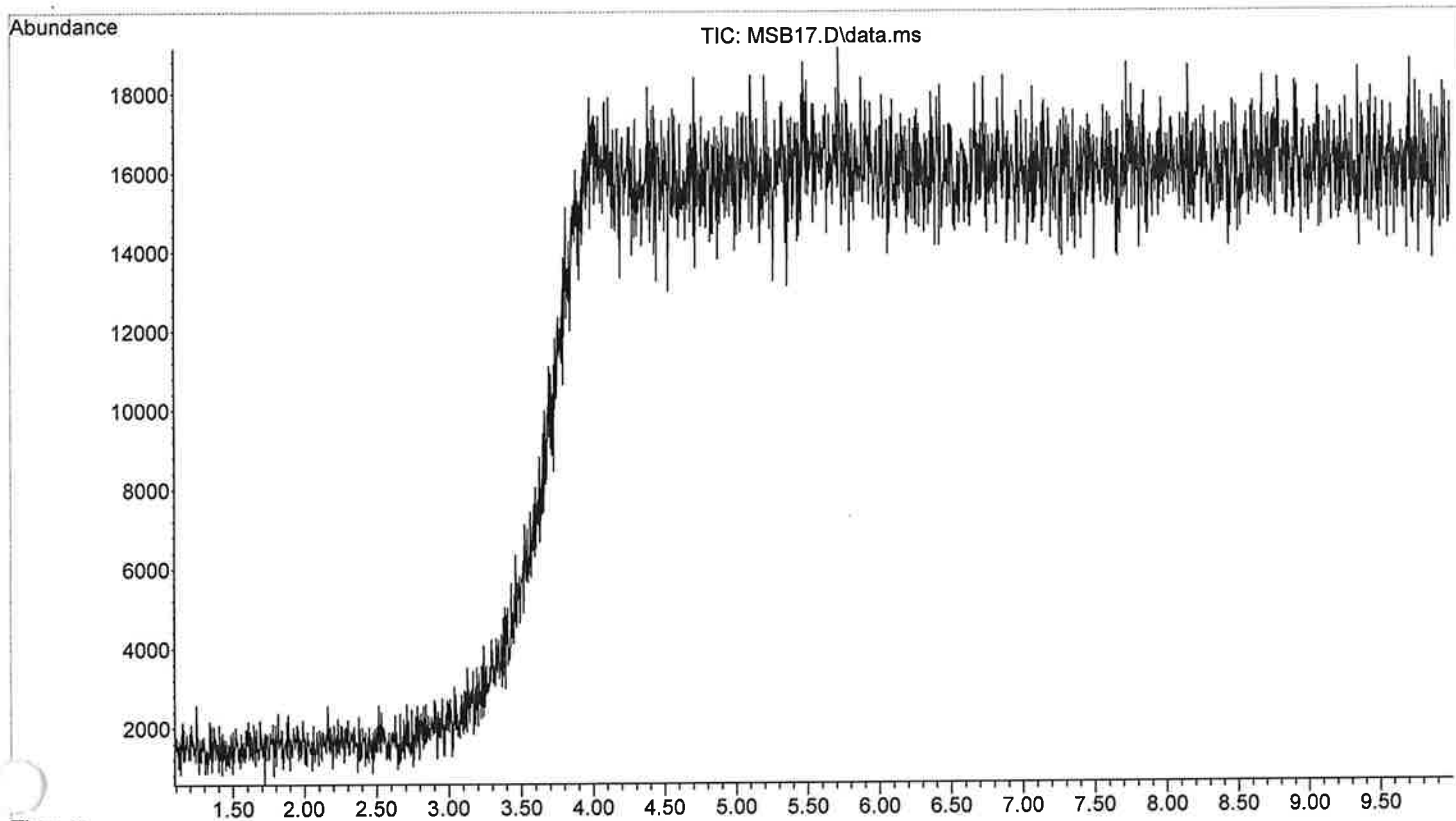
PK#	Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
-----	---------------	------	--------	--------	-----	-------	-----	----

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers

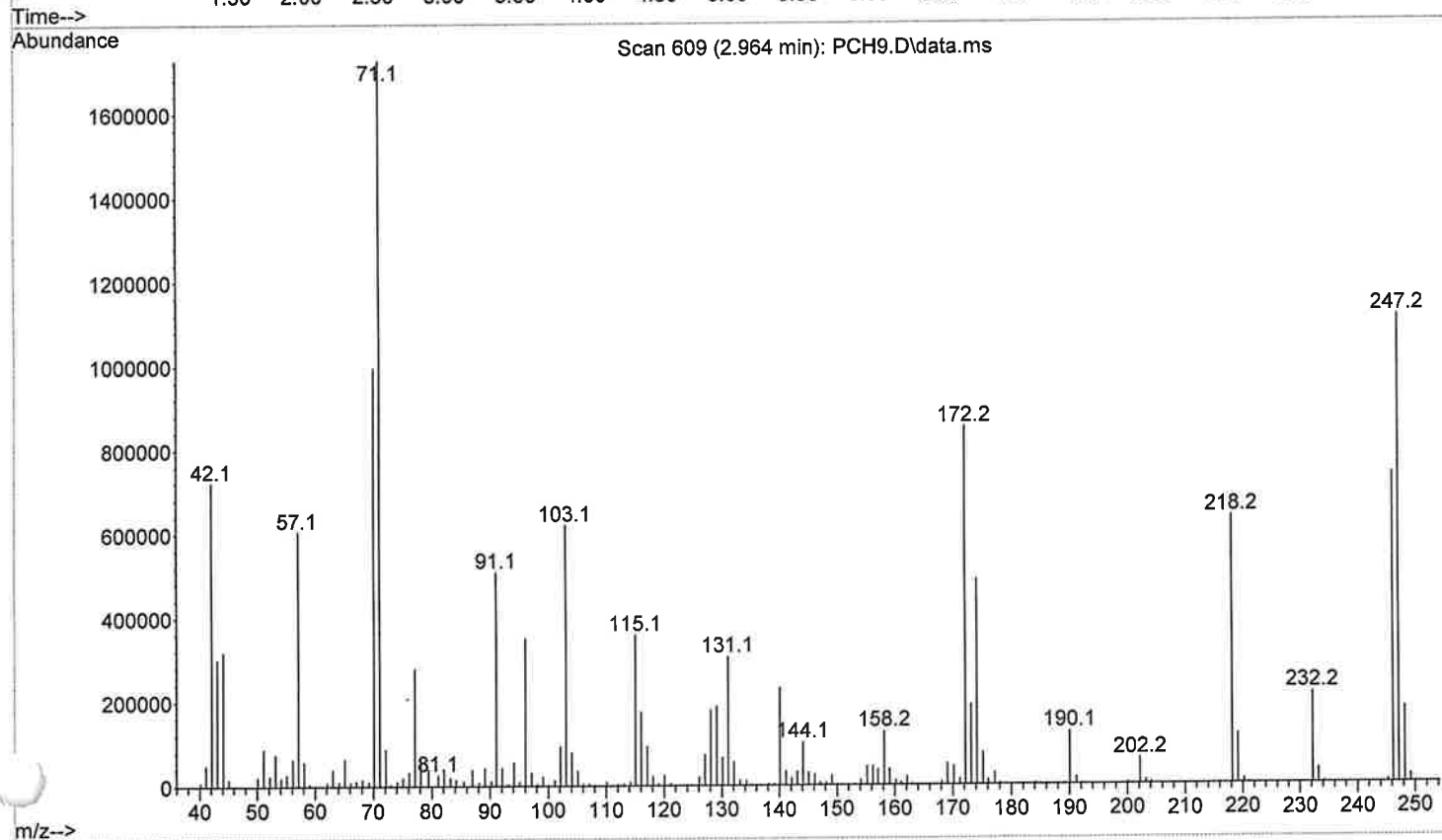
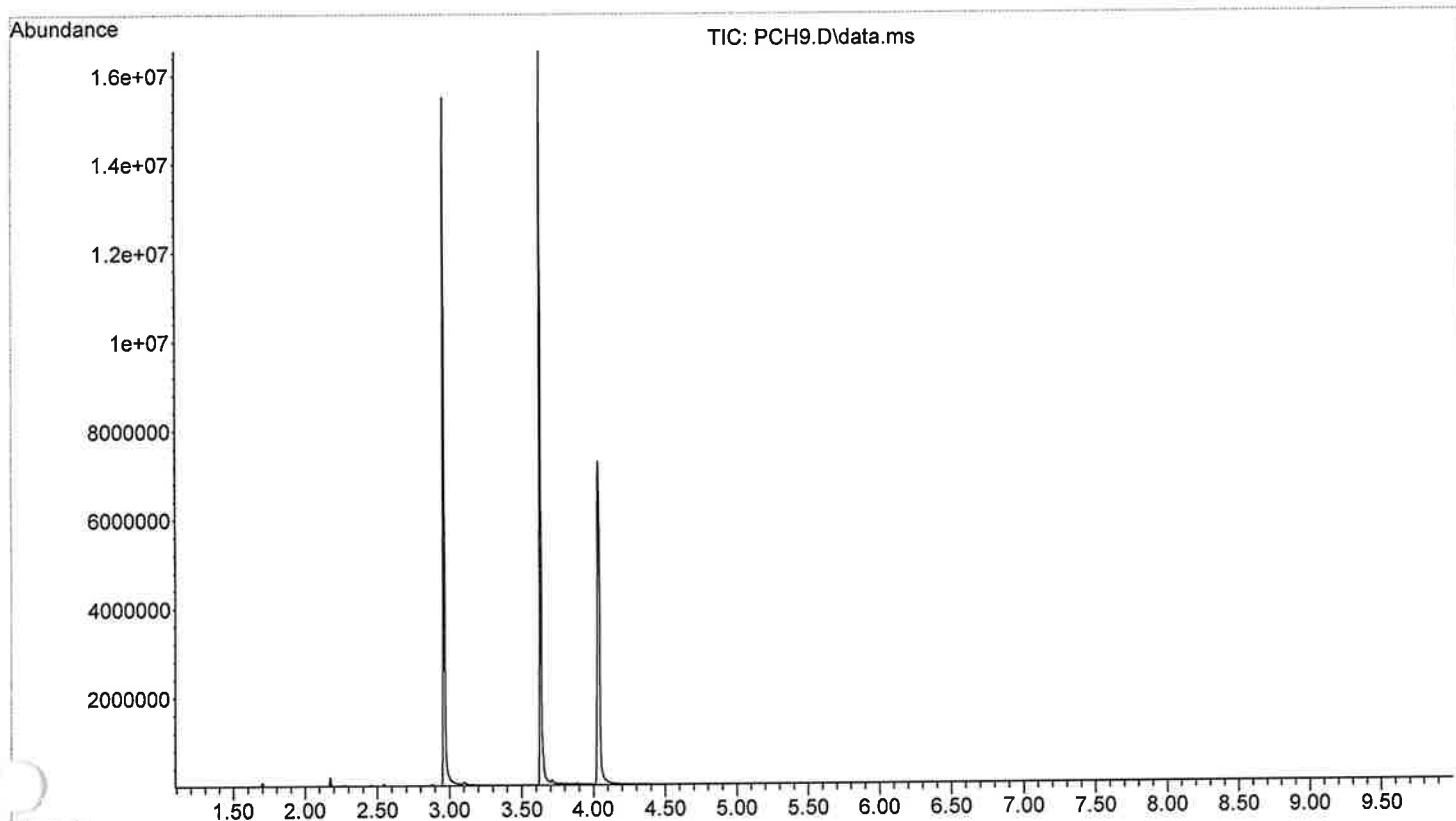
A/H = Area or Height

ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

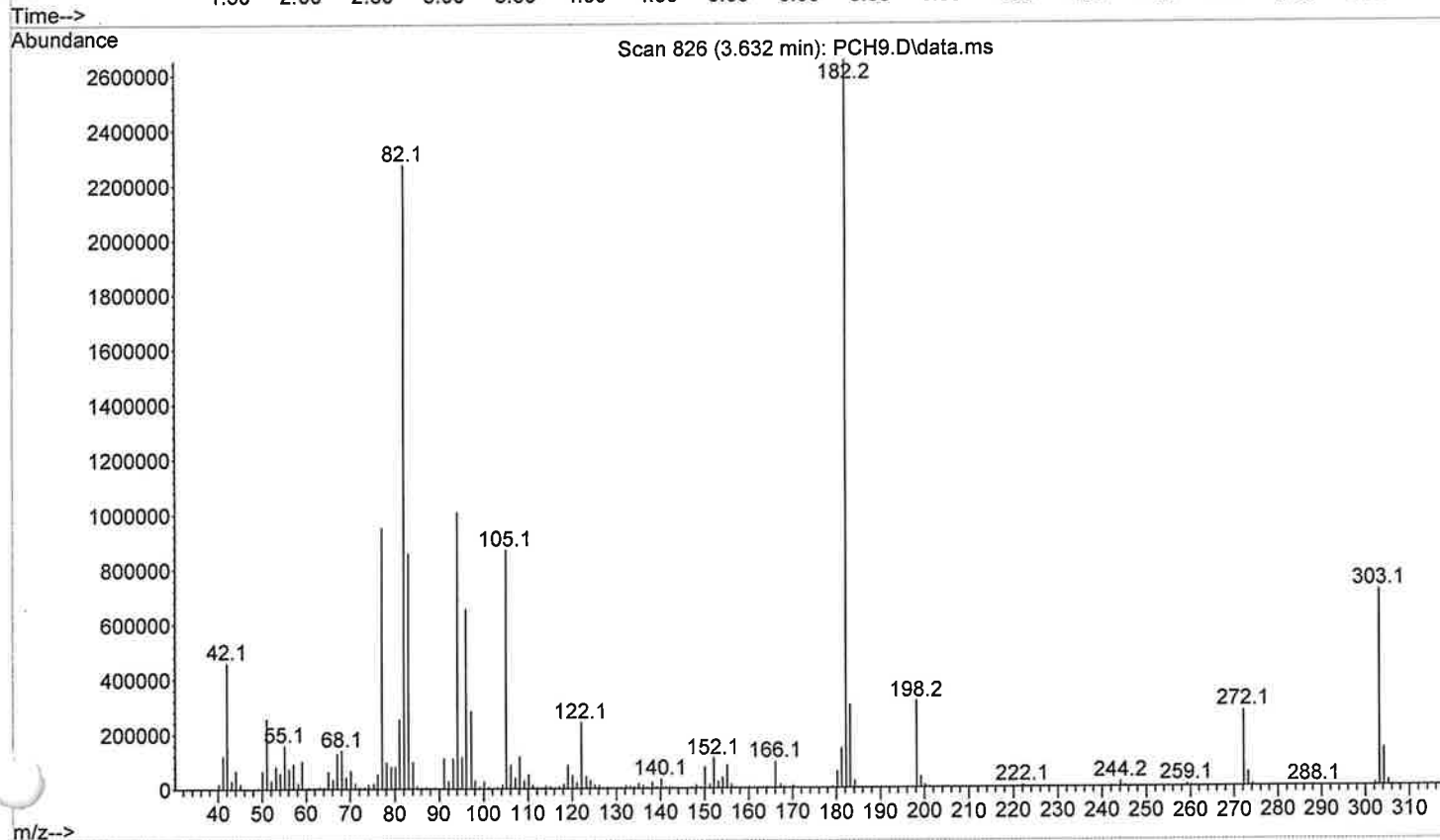
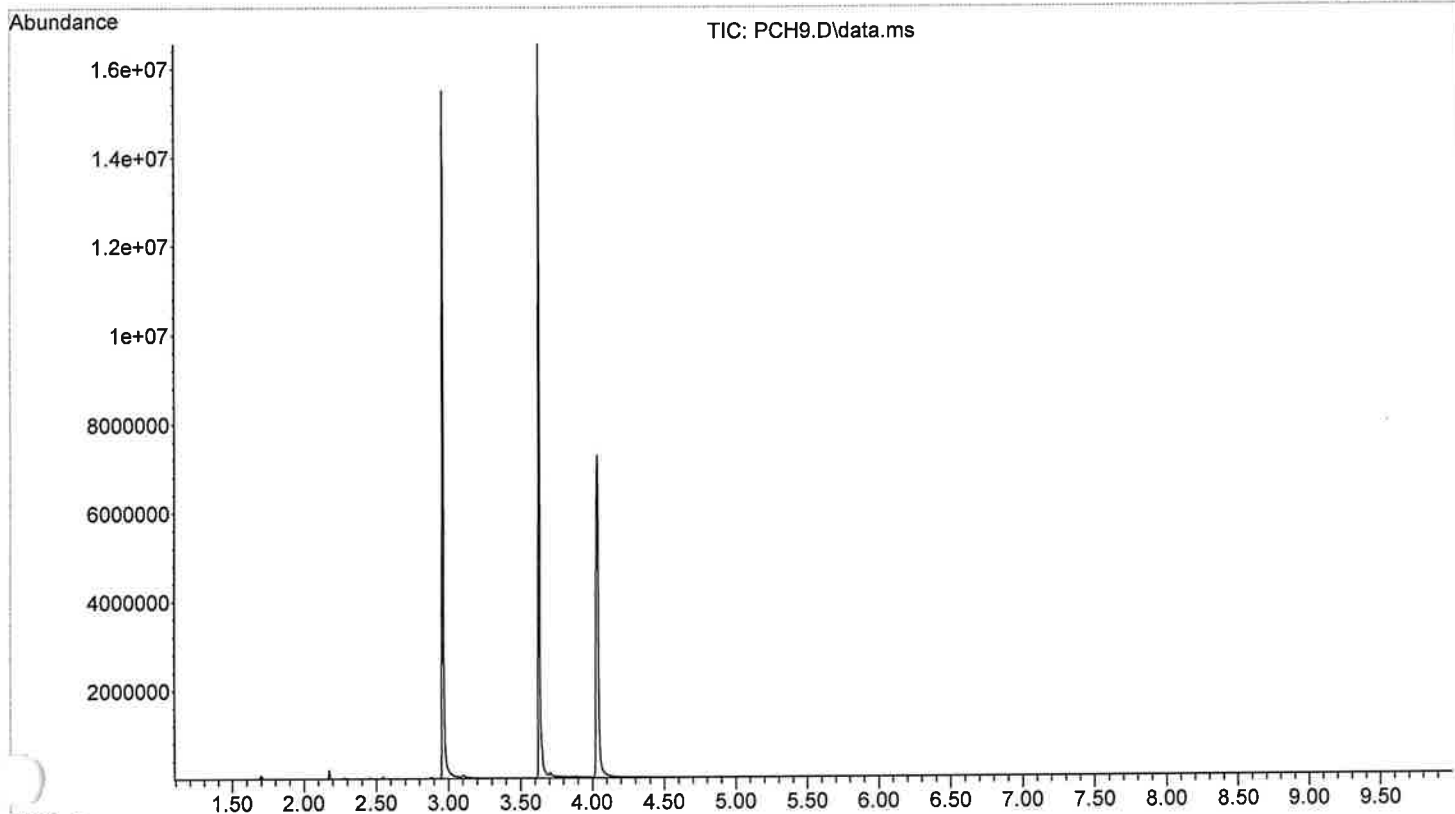
File :X:\2023\GJG\MSB17.D
Operator :
Acquired : 10 Mar 2023 15:29 using AcqMethod MSDRUGS100.M
Instrument : Donna2
Sample Name: MEOH B FOR CALIBRATION STANDARD wash51
Misc Info : 100-280
Vial Number: 1



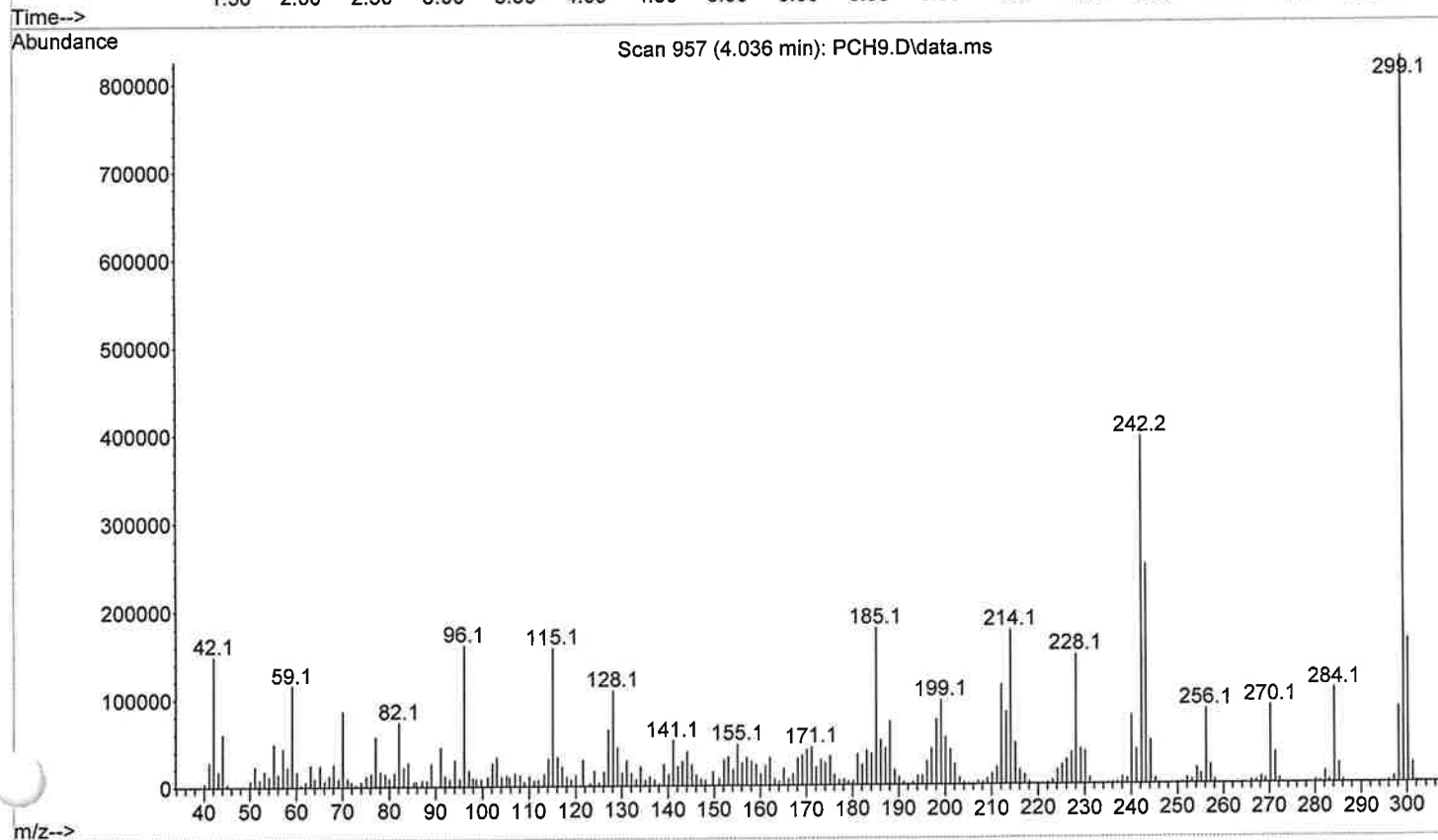
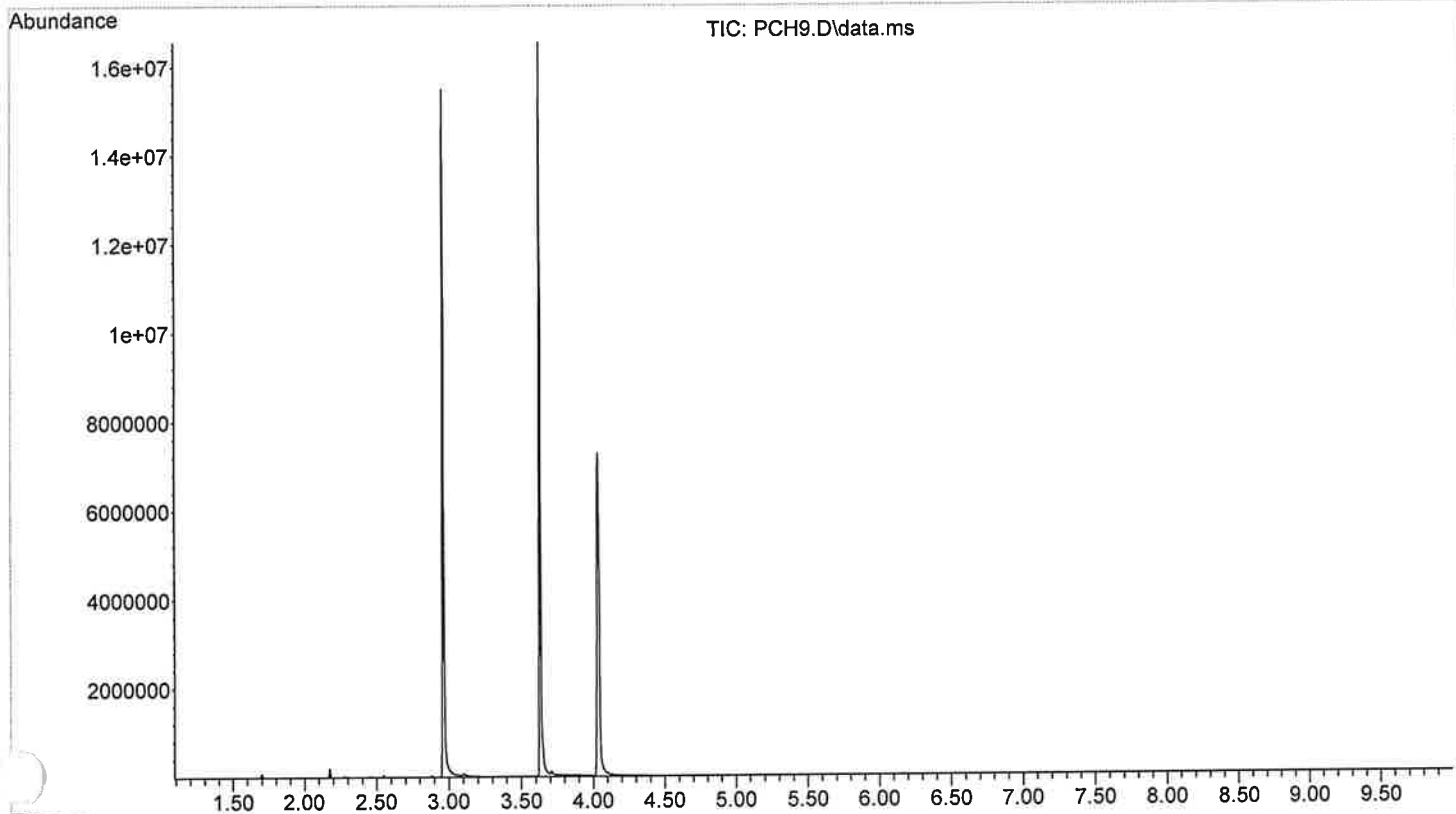
File :X:\2023\GJG\PCH9.D
Operator :
Acquired : 10 Mar 2023 15:42 using AcqMethod MSDRUGS100.M
Instrument : Donna2
Sample Name: CALIBRATION STANDARD -- 100-280 wash51
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 1



File :X:\2023\GJG\PCH9.D
Operator :
Acquired : 10 Mar 2023 15:42 using AcqMethod MSDRUGS100.M
Instrument : Donna2
Sample Name: CALIBRATION STANDARD -- 100-280 wash51
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 1



File :X:\2023\GJG\PCH9.D
Operator :
Acquired : 10 Mar 2023 15:42 using AcqMethod MSDRUGS100.M
Instrument : Donna2
Sample Name: CALIBRATION STANDARD -- 100-280 wash51
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 1



METHOD CONTROL PARAMETERS

Method Information for: E:\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:

MS Drugs 200-280c

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	E:\methods\MSDRUGS200.M
Tune file	atune.u
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
Acquisition Type	Scan
Stop time (min)	10.00
Solvent delay (min)	1.00
Trace Ion Detection	False
Gain Factor	1
EM Saver	False
EM Saver Limit	N/A

Scan Time Segments

Time	Start Mass	End Mass	Threshold	Scan Speed
1.00	40	550	200	3,125 [N=1]

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
Extracted Ion	Scan 1-2	40	550

Self-Cleaning Ion Source Parameters

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

E:\methods\MSDRUGS200.M
Fri Mar 10 16:32:08 2023

Control Information

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

No Sample Prep method has been assigned to this method.

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

Oven
Temperature
Setpoint On
(Initial) 200 °C
Hold Time 1 min
Post Run 0 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 7.86 min

Equilibration Time 0.5 min
Max Temperature 305 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Injection Repetitions 1
Injection Delay 0 sec
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 2
Solvent A Volume 8 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 2
Solvent B Volume 8 µL
Sample Washes 1
Sample Wash Volume 8 µL
Sample Pumps 2
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 300 µL/min
Solvent Wash Dispense Speed 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
Solvent Wash Mode A, B

Back Injector	
Syringe Size	10 µL
Injection Volume	1 µL
Injection Repetitions	1
Injection Delay	0 sec
Solvent A Washes (PreInj)	2
Solvent A Washes (PostInj)	0
Solvent A Volume	8 µL
Solvent B Washes (PreInj)	2
Solvent B Washes (PostInj)	0
Solvent B Volume	8 µL
Sample Washes	0
Sample Wash Volume	8 µL
Sample Pumps	6
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Solvent Wash Mode	A, B
ALS Errors	Pause for user interaction
Front SS Inlet He	
Mode	Split
Heater	On 250 °C
Pressure	On 15.94 psi
Gas Saver	Off
Split Ratio	50 :1
Split Flow	48.428 mL/min
Liner	A Liner has not been selected.
Back SS Inlet He	
Mode	Split
Heater	On 250 °C
Pressure	On 6.7158 psi
Gas Saver	Off
Split Ratio	50 :1
Split Flow	33.761 mL/min
Liner	A Liner has not been selected.
Thermal Aux 2 (MSD Transfer Line)	
Temperature	
Setpoint	On
(Initial)	280 °C
Hold Time	0 min
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	0.96856 mL/min
Hold Time	0 min
Post Run	0.969 mL/min
Column Information	J&W01
Temperature Range	-60 °C-305 °C (305 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm

Column lock
In
Out
Column Outlet Pressure
(Initial)
Pressure
Flow
Average Velocity
Holdup Time
Control Mode

Unlocked
Front SS Inlet He
MSD
MSD
200 °C
15.941 psi
0.96856 mL/min
59.061 cm/sec
0.35275 min
Constant Flow

Column #2
Pressure
Setpoint
(Initial)
Hold Time
Post Run

On
6.7158 psi
0 min
0 psi

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

AB003
-60 °C-305 °C (305 °C)
30 m x 320 µm x 1 µm
Unlocked
Back SS Inlet He
Front Detector FID
0 psi
200 °C
6.7158 psi
0.67521 mL/min
18.095 cm/sec
2.7632 min
Ramped Pressure

Front Detector FID
Makeup
Heater
Flow
Air Flow
Makeup Flow
Carrier Gas Flow Correction
Flame

He
On 250 °C
Off
Off
On 45 mL/min
Constant Makeup and Fuel Flow
Off

Signals
Signal #1: Front Signal
Description
Details
Save
Data Rate
Dual Injection Assignment

Front Signal
Front Signal (FID)
Off
20 Hz
Front Sample

Signal #2: Front Signal
Description
Details
Save
Data Rate
Dual Injection Assignment

Front Signal
Front Signal (FID)
Off
20 Hz
Back Sample

Column 1 Inventory Number :
Column 2 Inventory Number :

TUNE PARAMETERS for SN: US10423616

Trace Ion Detection is OFF.

34.610	:	EMISSION	
70.347	:	ENERGY	
33.279	:	REPELLER	
90.157	:	IONFOCUS	
22.000	:	ENTRANCE_LENS	
894.118	:	EMVOLTS	
		1023.529	: Actual EMV
		0.99	: GAIN FACTOR
1672.000	:	AMUGAIN	
120.500	:	AMUOFFSET	
2.000	:	FILAMENT	
0.000	:	DCPOLARITY	
19.075	:	ENTLENSOFFSET	
-820.000	:	MASSGAIN	
-32.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

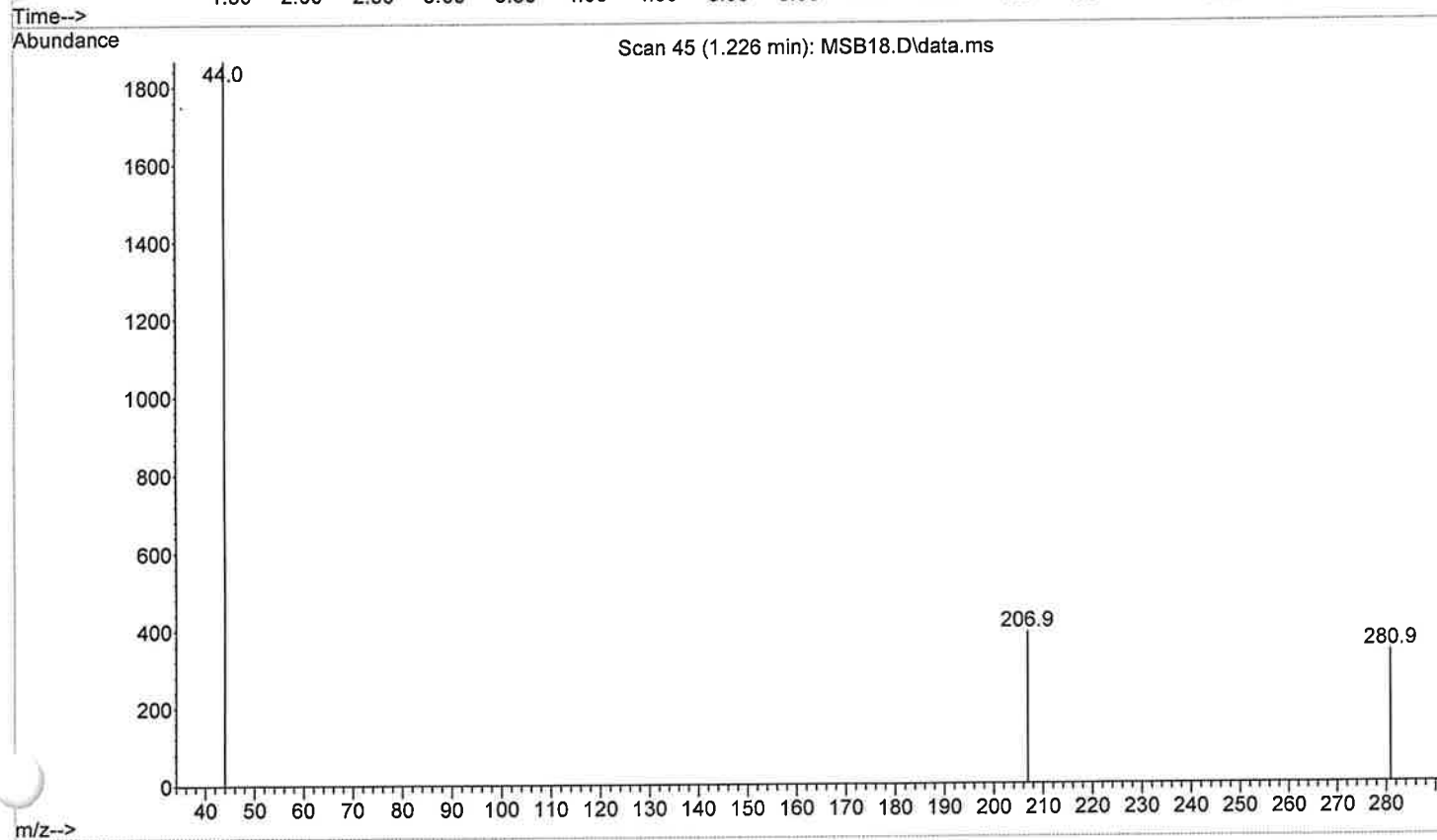
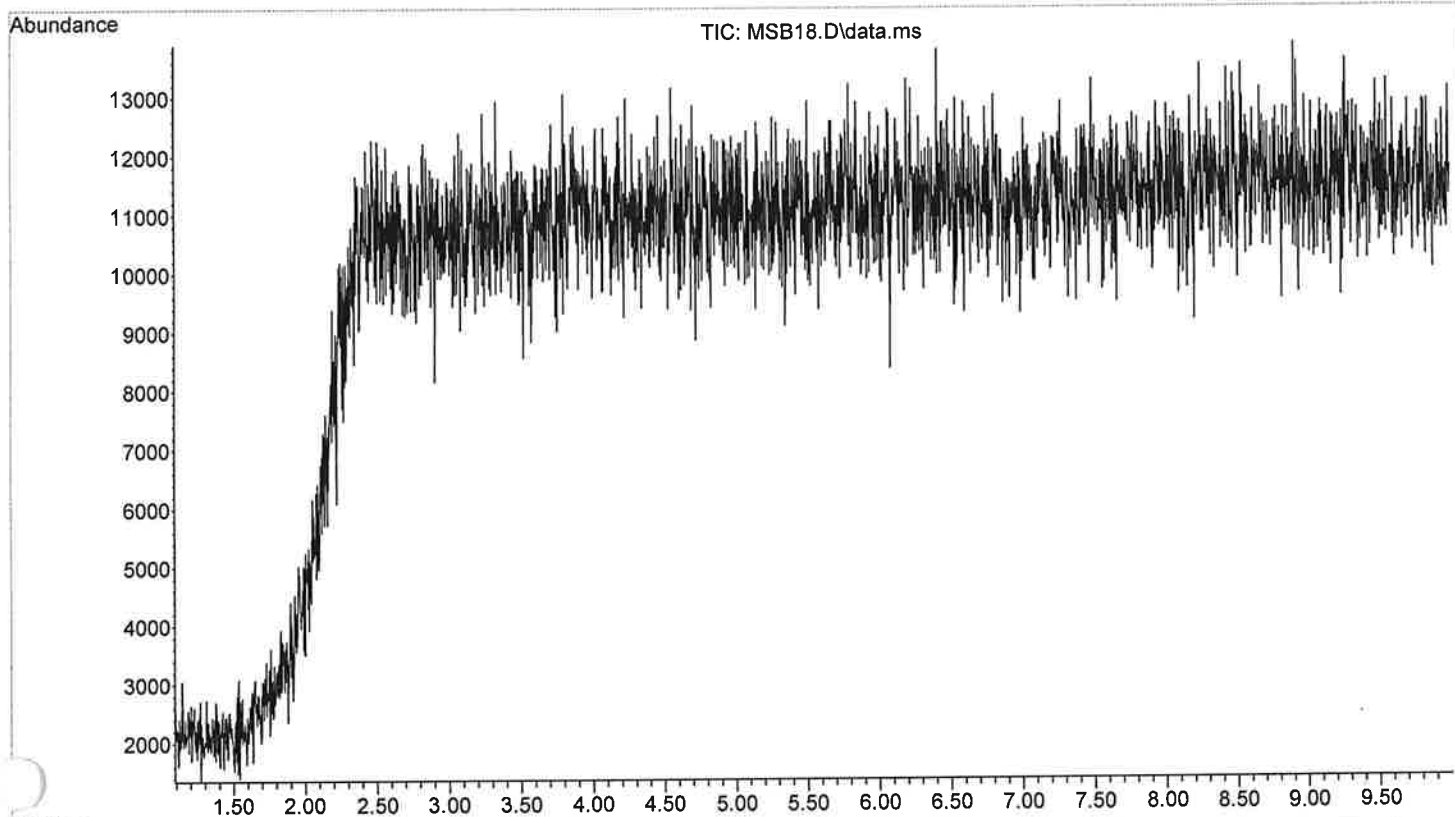
Method Path : E:\methods\
Method File : MSDRUGS200.M
Title : METHAMPHETAMINE QUANTITATION
Last Update :
Response Via : Initial Calibration

Total Cpnds : 0

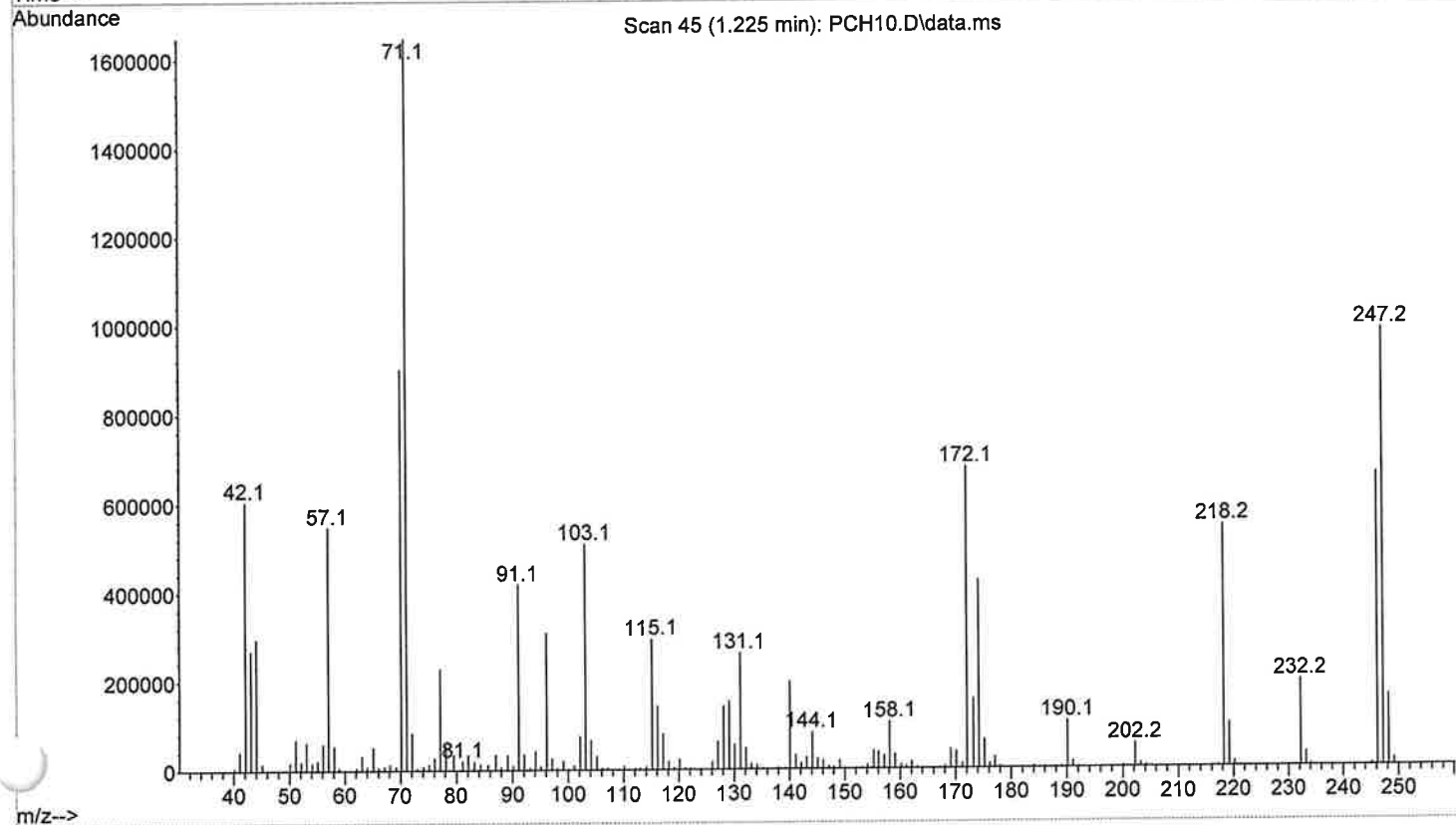
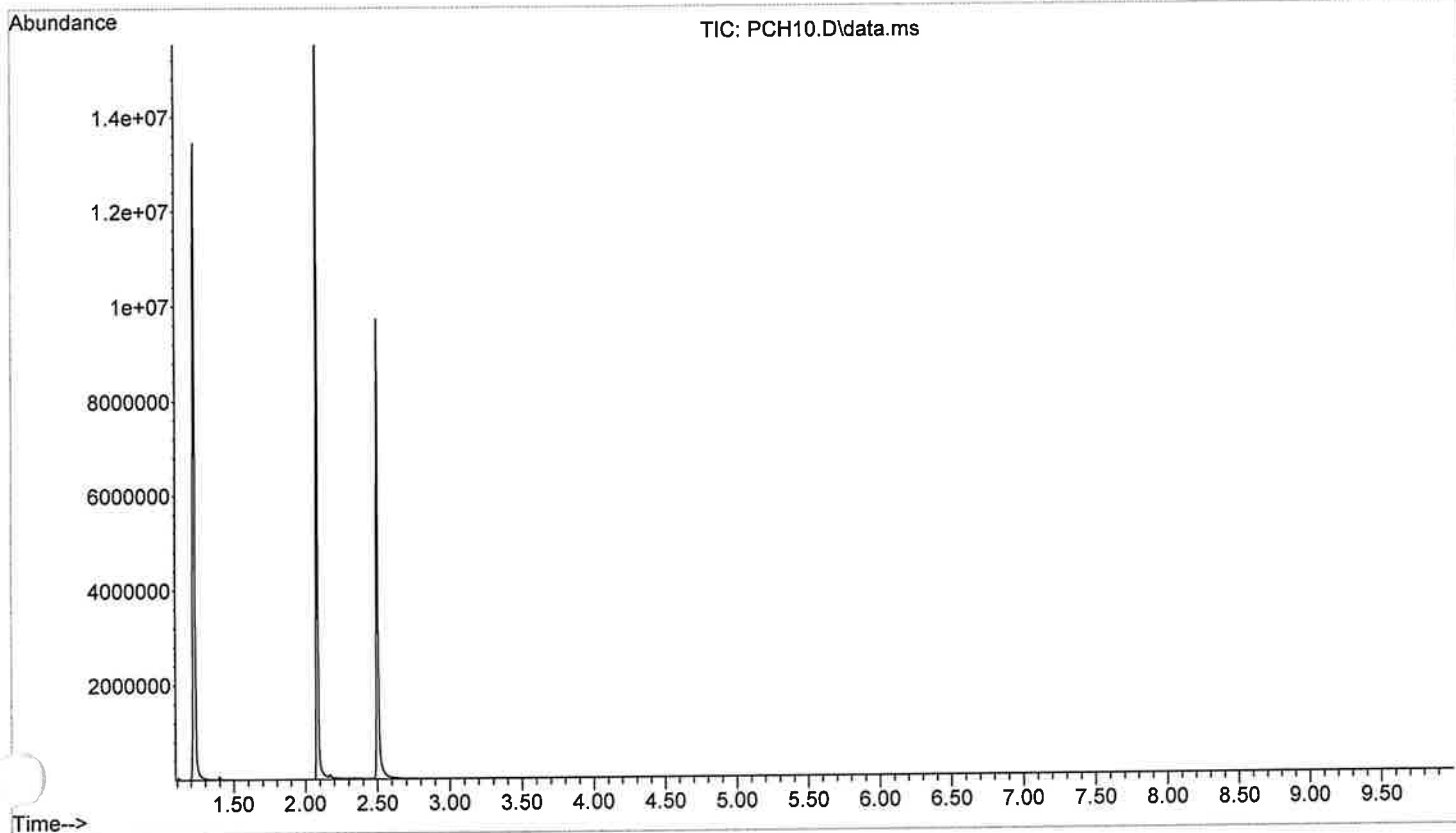
PK#	Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
-----	---------------	------	--------	--------	-----	-------	-----	----

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

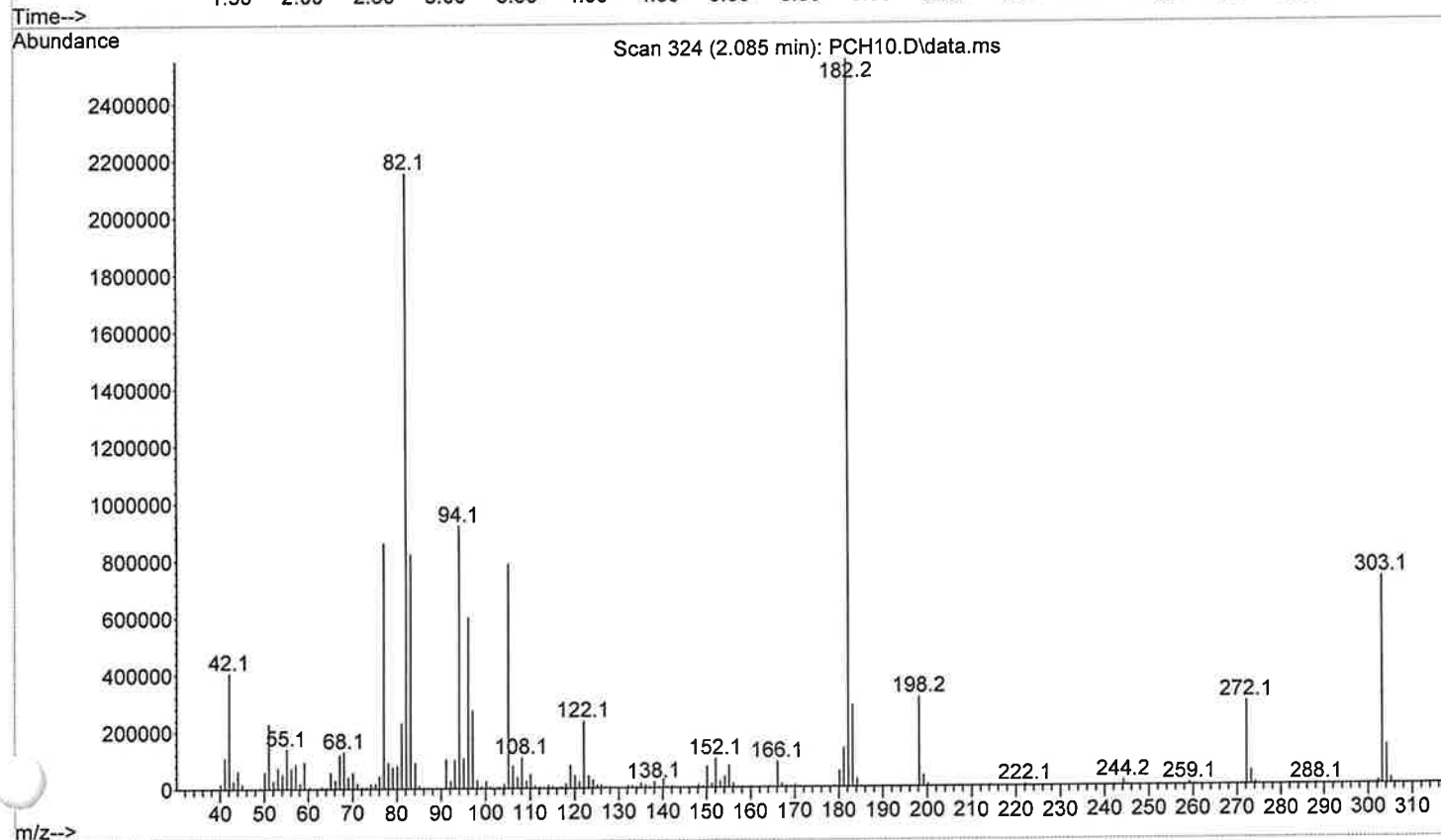
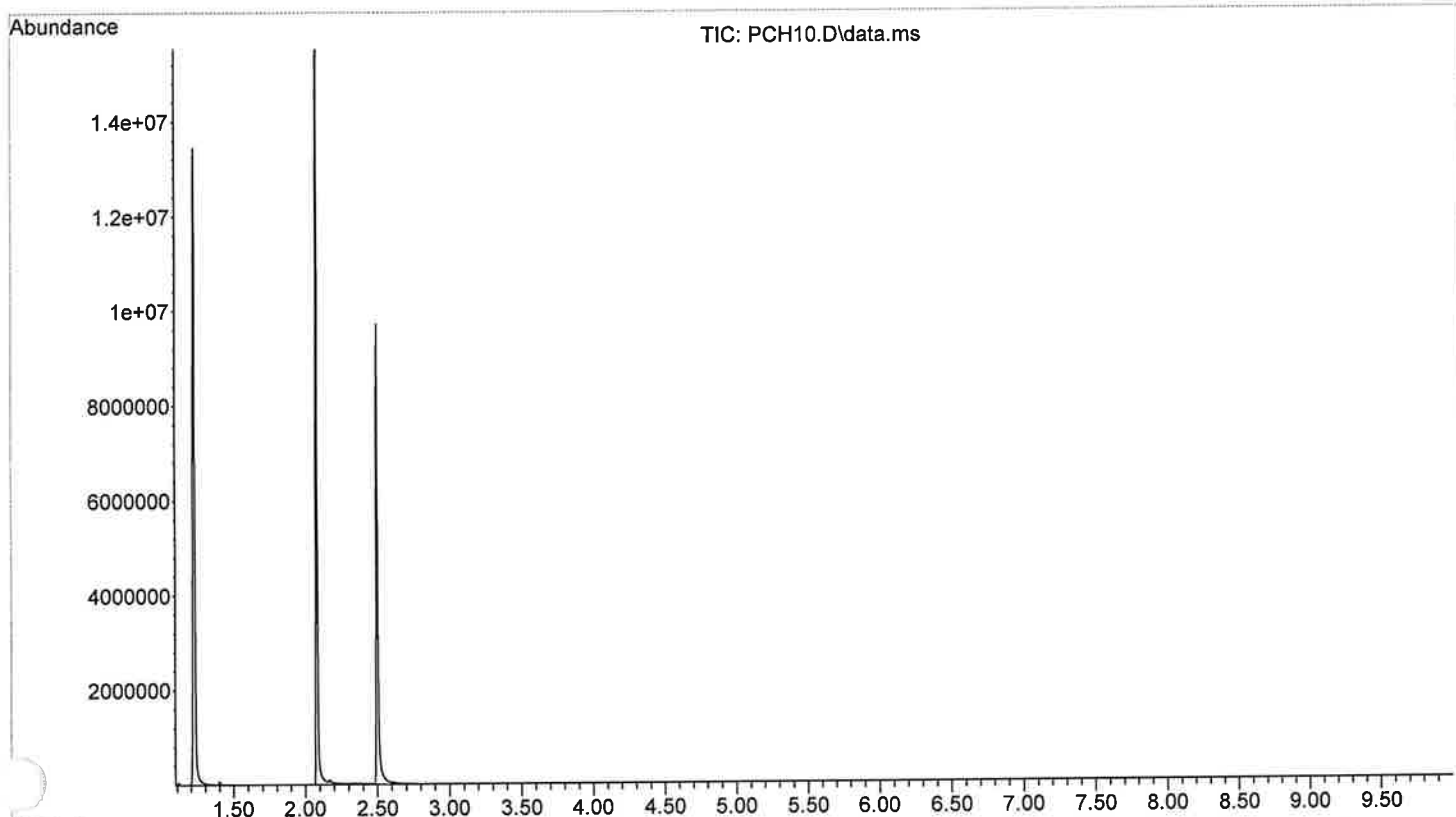
File :X:\2023\GJG\MSB18.D
Operator :
Acquired : 10 Mar 2023 16:04 using AcqMethod MSDRUGS200.M
Instrument : Donna2
Sample Name: MEOH B FOR CALIBRATION STANDARD wash51
Misc Info : 200-280
Vial Number: 1



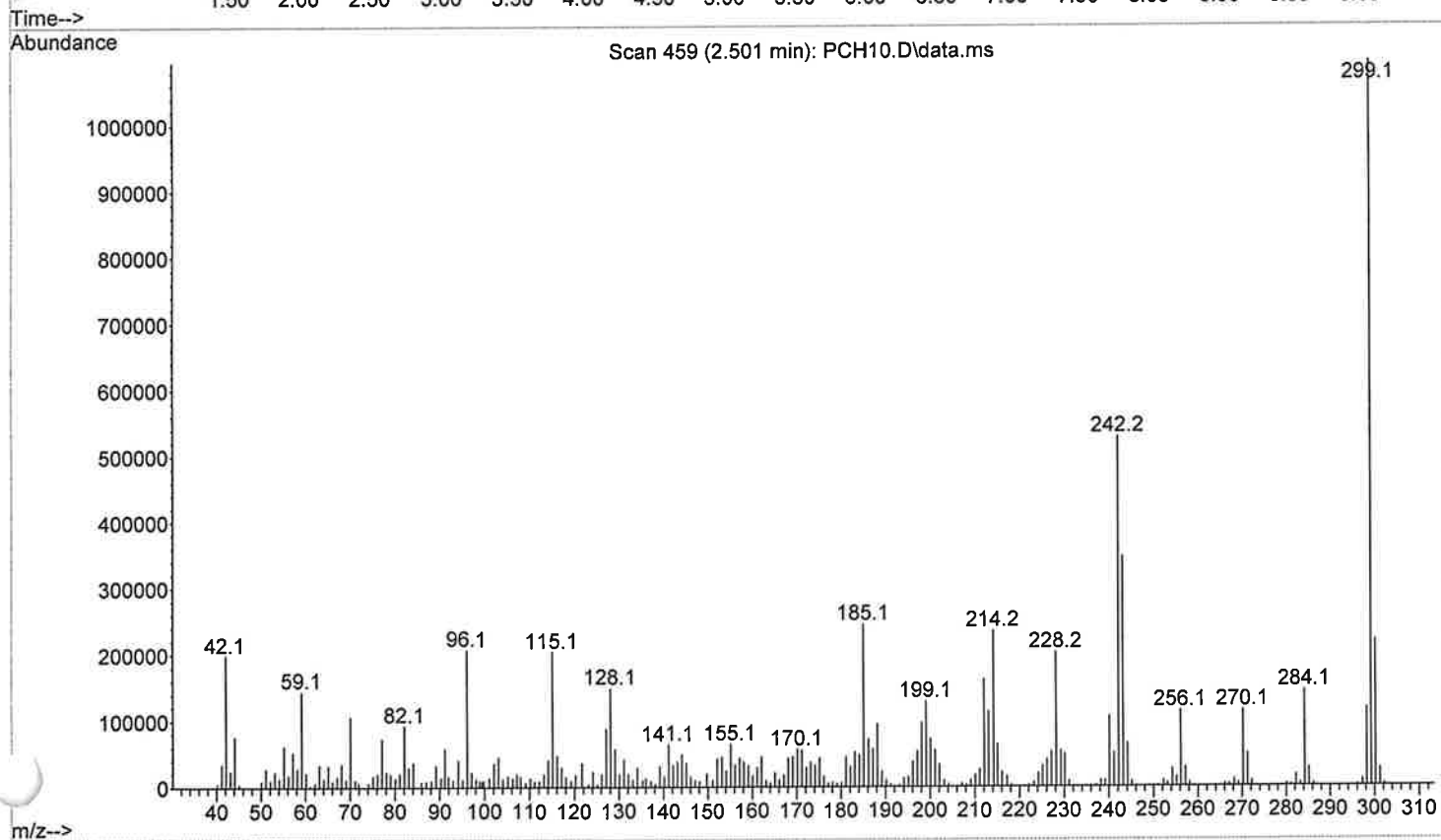
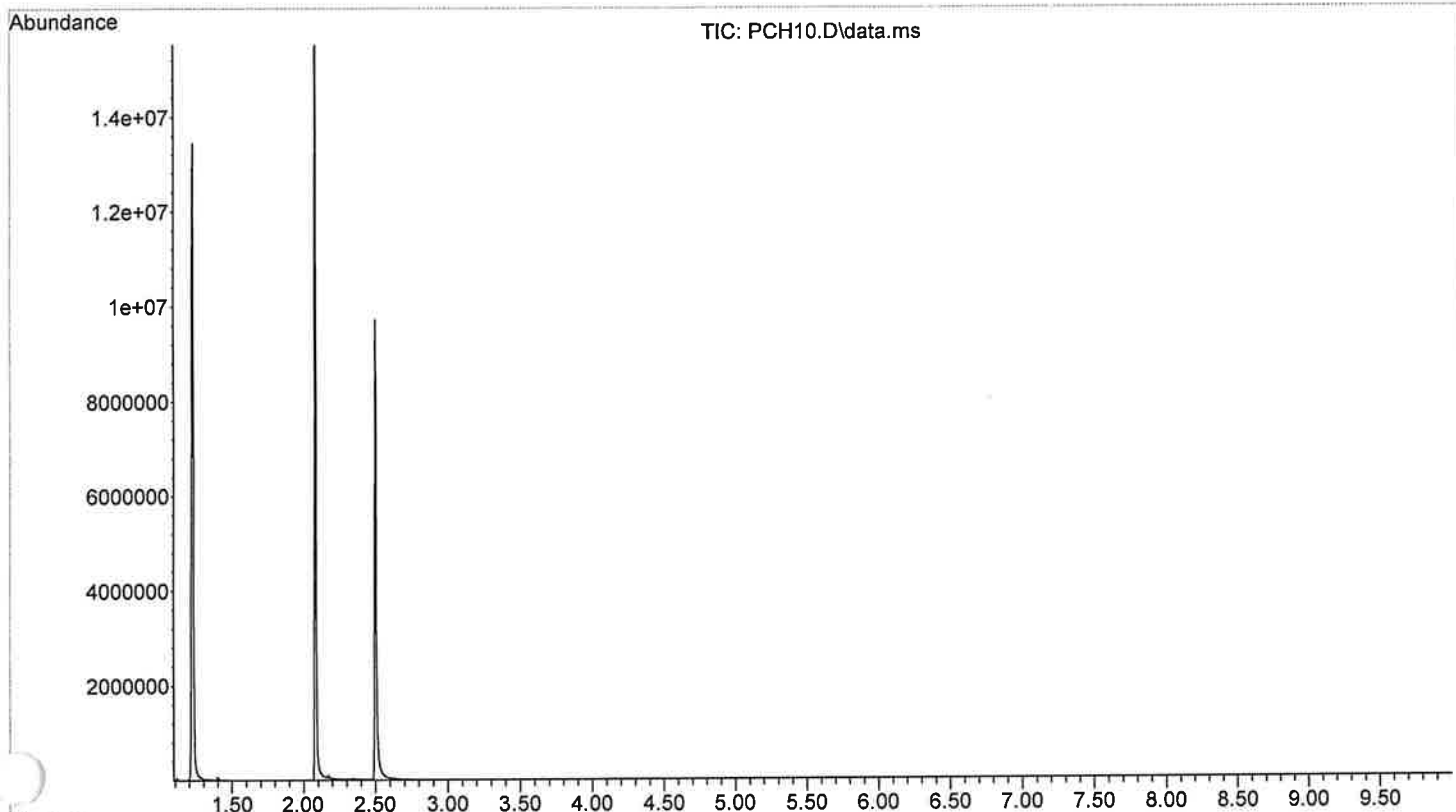
File :X:\2023\GJG\PCH10.D
Operator :
Acquired : 10 Mar 2023 16:18 using AcqMethod MSDRUGS200.M
Instrument : Donna2
Sample Name: CALIBRATION STANDARD -- 200-280 wash51
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 1



File :X:\2023\GJG\PCH10.D
Operator :
Acquired : 10 Mar 2023 16:18 using AcqMethod MSDRUGS200.M
Instrument : Donna2
Sample Name: CALIBRATION STANDARD -- 200-280 wash51
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 1



File :X:\2023\GJG\PCH10.D
Operator :
Acquired : 10 Mar 2023 16:18 using AcqMethod MSDRUGS200.M
Instrument : Donna2
Sample Name: CALIBRATION STANDARD -- 200-280 wash51
Mi Info : PETHIDINE / COCAINE / HYDROCODONE
Vi umber: 1



METHOD CONTROL PARAMETERS

Method Information for: E:\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:

MS Drugs 60-280c

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	E:\methods\MSDRUGS60.M
Tune file	atune.u
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
Acquisition Type	Scan
Stop time (min)	10.00
Solvent delay (min)	1.00
Trace Ion Detection	False
Gain Factor	1
EM Saver	False
EM Saver Limit	N/A

Scan Time Segments

Time	Start Mass	End Mass	Threshold	Scan Speed
1.00	40	550	200	3,125 [N=1]

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
Extracted Ion	Scan 1-2	40	550

Self-Cleaning Ion Source Parameters

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

E:\methods\MSDRUGS60.M
Fri Mar 10 16:48:39 2023

Control Information

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

No Sample Prep method has been assigned to this method.

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

Oven
Temperature
Setpoint On
(Initial) 60 °C
Hold Time 1 min
Post Run 0 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 5.86 min

Equilibration Time 0.5 min
Max Temperature 305 °C
Maximum Temperature Override Disabled
Blow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Injection Repetitions 1
Injection Delay 0 sec
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 2
Solvent A Volume 8 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 2
Solvent B Volume 8 µL
Sample Washes 1
Sample Wash Volume 8 µL
Sample Pumps 2
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 300 µL/min
Solvent Wash Dispense Speed 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
Solvent Wash Mode A, B

Back Injector	
Syringe Size	10 µL
Injection Volume	1 µL
Injection Repetitions	1
Injection Delay	0 sec
Solvent A Washes (PreInj)	2
Solvent A Washes (PostInj)	0
Solvent A Volume	8 µL
Solvent B Washes (PreInj)	2
Solvent B Washes (PostInj)	0
Solvent B Volume	8 µL
Sample Washes	0
Sample Wash Volume	8 µL
Sample Pumps	6
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Solvent Wash Mode	A, B
ALS Errors	Pause for user interaction
Front SS Inlet He	
Mode	Split
Heater	On 250 °C
Pressure	On 8.1209 psi
Gas Saver	Off
Split Ratio	50 :1
Split Flow	48.428 mL/min
Liner	A Liner has not been selected.
Back SS Inlet He	
Mode	Split
Heater	On 250 °C
Pressure	On 6.7158 psi
Gas Saver	Off
Split Ratio	50 :1
Split Flow	60.866 mL/min
Liner	A Liner has not been selected.
Thermal Aux 2 (MSD Transfer Line)	
Temperature	
Setpoint	On
(Initial)	280 °C
Hold Time	0 min
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	0.96856 mL/min
Hold Time	0 min
Post Run	0.969 mL/min
Column Information	J&W01
Temperature Range	-60 °C-305 °C (305 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm

Column lock
In
Out
Column Outlet Pressure
(Initial)
Pressure
Flow
Average Velocity
Holdup Time
Control Mode

Unlocked
Front SS Inlet He
MSD
MSD
60 °C
8.1217 psi
0.96856 mL/min
55.837 cm/sec
0.37311 min
Constant Flow

Column #2
Pressure
Setpoint
(Initial)
Hold Time
Post Run

On
6.7158 psi
0 min
0 psi

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

AB003
-60 °C-305 °C (305 °C)
30 m x 320 µm x 1 µm
Unlocked
Back SS Inlet He
Front Detector FID
0 psi
60 °C
6.7158 psi
1.2173 mL/min
22.97 cm/sec
2.1767 min
Ramped Pressure

Front Detector FID

Makeup
Heater
Flow
Air Flow
Makeup Flow
Carrier Gas Flow Correction
Flame

He
On 250 °C
Off
Off
On 45 mL/min
Constant Makeup and Fuel Flow
Off

Signals

Signal #1: Front Signal
Description
Details
Save
Data Rate
Dual Injection Assignment

Front Signal
Front Signal (FID)
Off
20 Hz
Front Sample

Signal #2: Front Signal
Description
Details
Save
Data Rate
Dual Injection Assignment

Front Signal
Front Signal (FID)
Off
20 Hz
Back Sample

Column 1 Inventory Number :
Column 2 Inventory Number :

TUNE PARAMETERS for SN: US10423616

Trace Ion Detection is OFF.

34.610	:	EMISSION	
70.347	:	ENERGY	
33.279	:	REPELLER	
90.157	:	IONFOCUS	
22.000	:	ENTRANCE_LENS	
894.118	:	EMVOLTS	
		1023.529	: Actual EMV
		0.99	: GAIN FACTOR
1672.000	:	AMUGAIN	
120.500	:	AMUOFFSET	
2.000	:	FILAMENT	
0.000	:	DCPOLARITY	
19.075	:	ENTLENSOFFSET	
-820.000	:	MASSGAIN	
-32.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

Method Path : E:\methods\
Method File : MSDRUGS60.M
Title : METHAMPHETAMINE QUANTITATION
Last Update :
Response Via : Initial Calibration

Total Cpnds : 0

PK#	Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
-----	---------------	------	--------	--------	-----	-------	-----	----

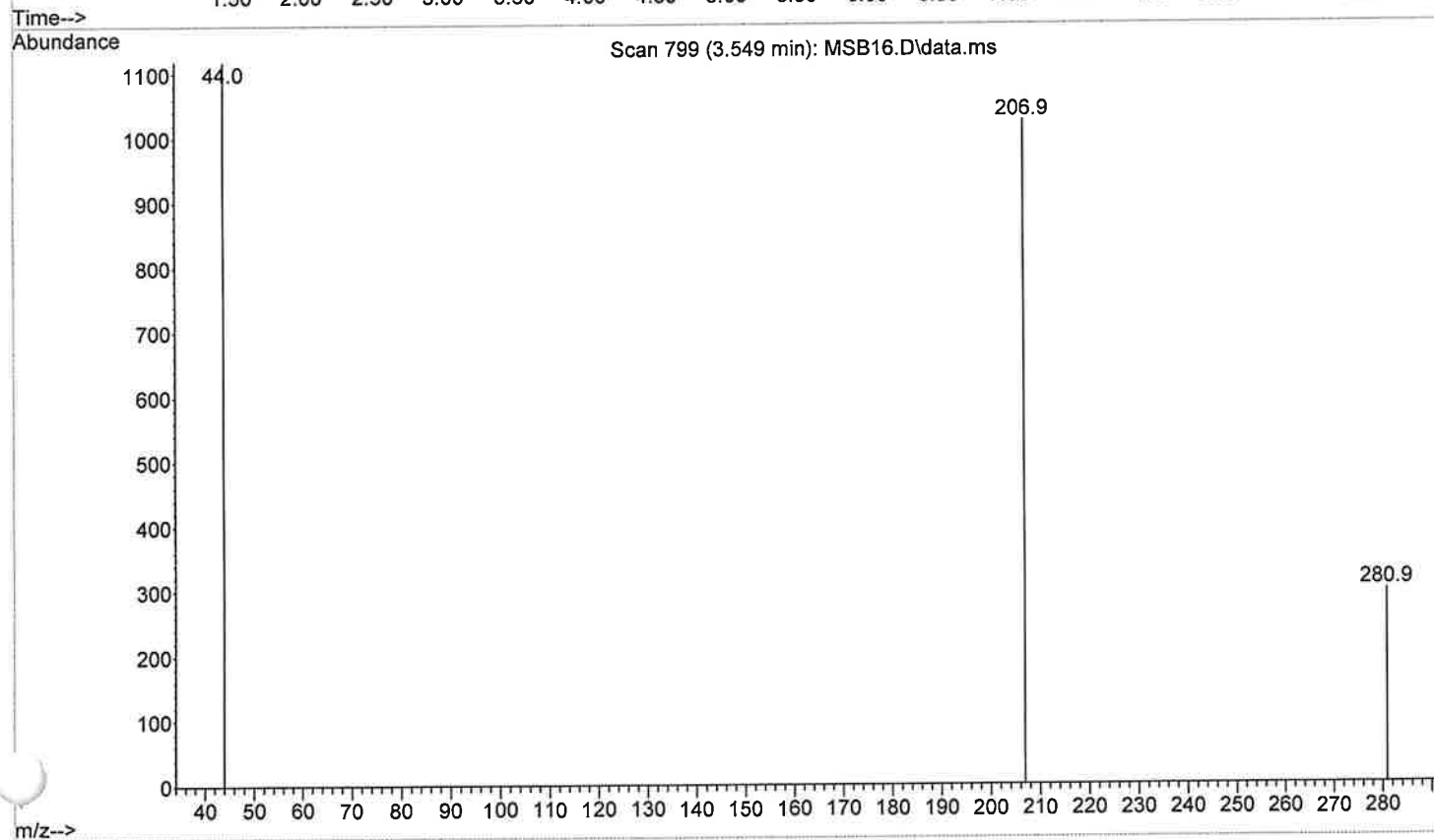
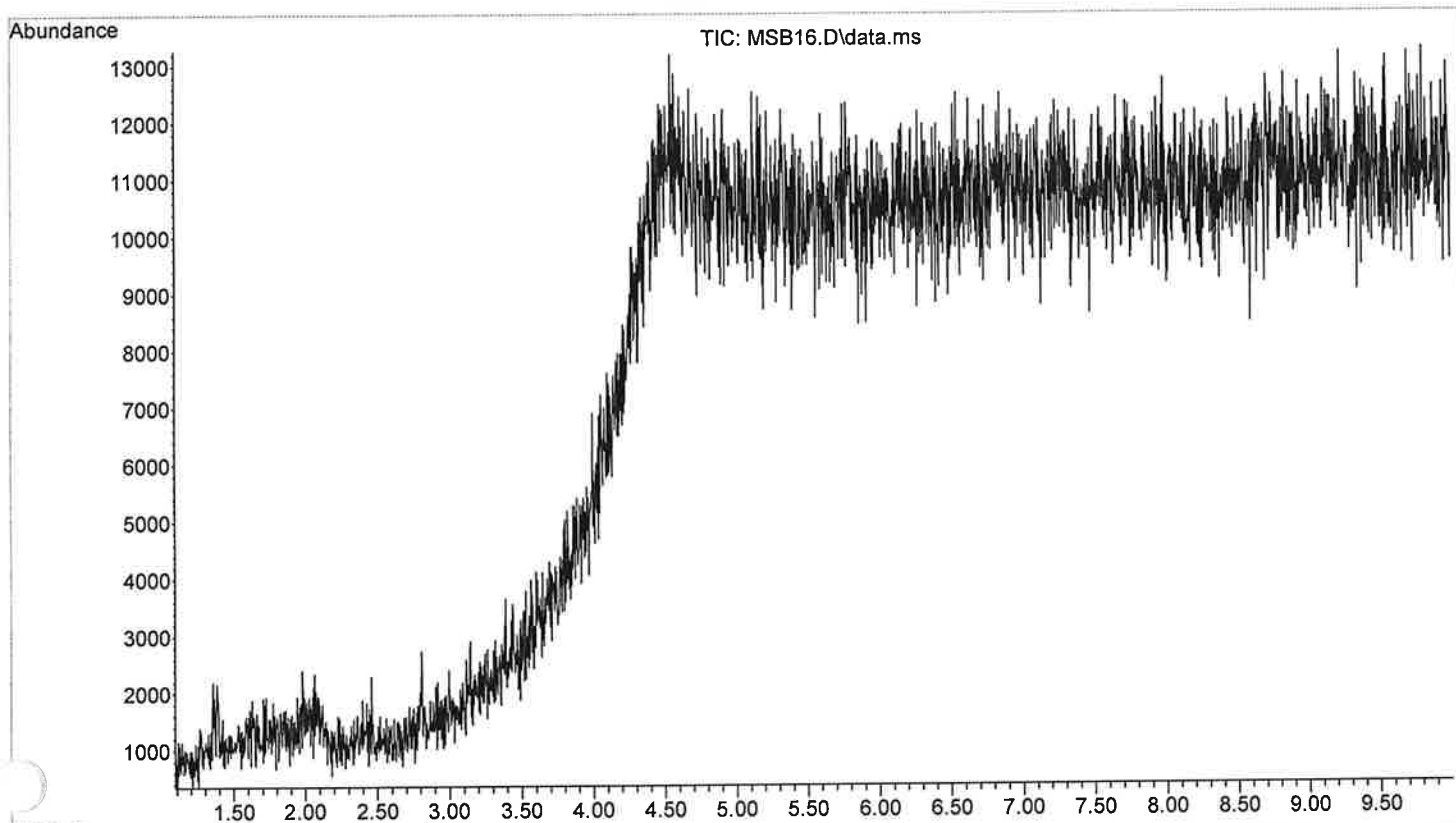
Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin

#Qual = number of qualifiers

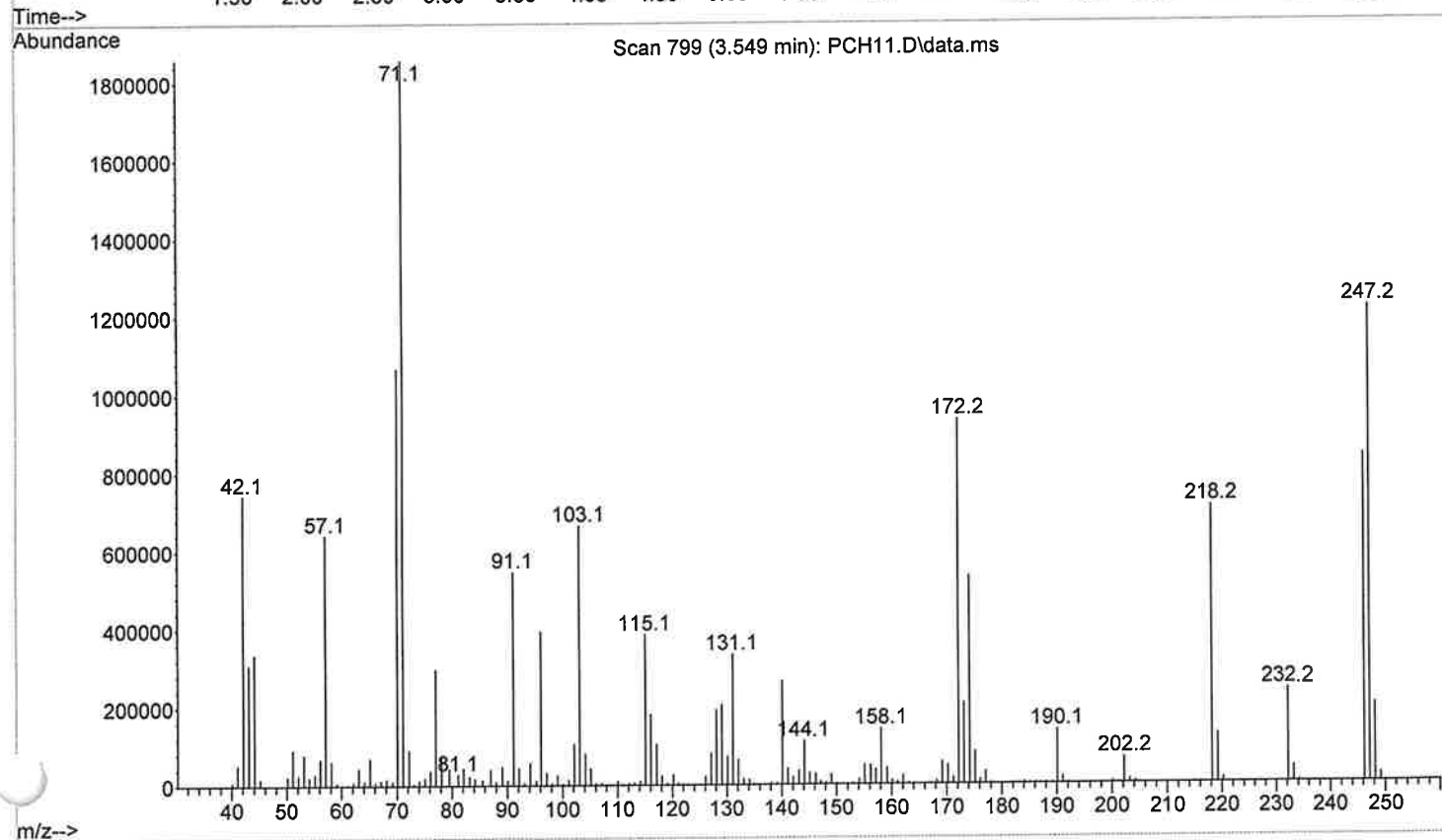
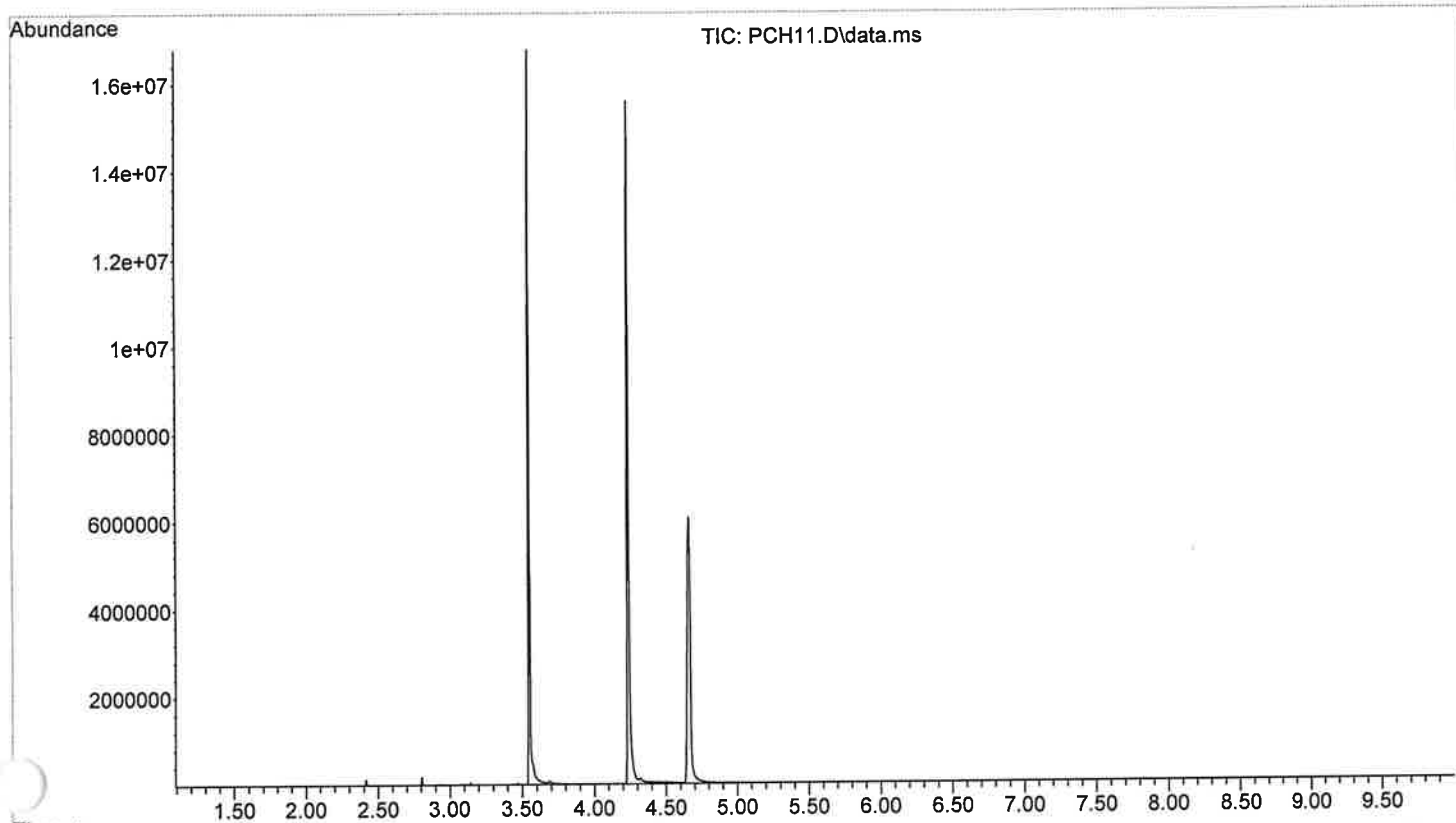
A/H = Area or Height

ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

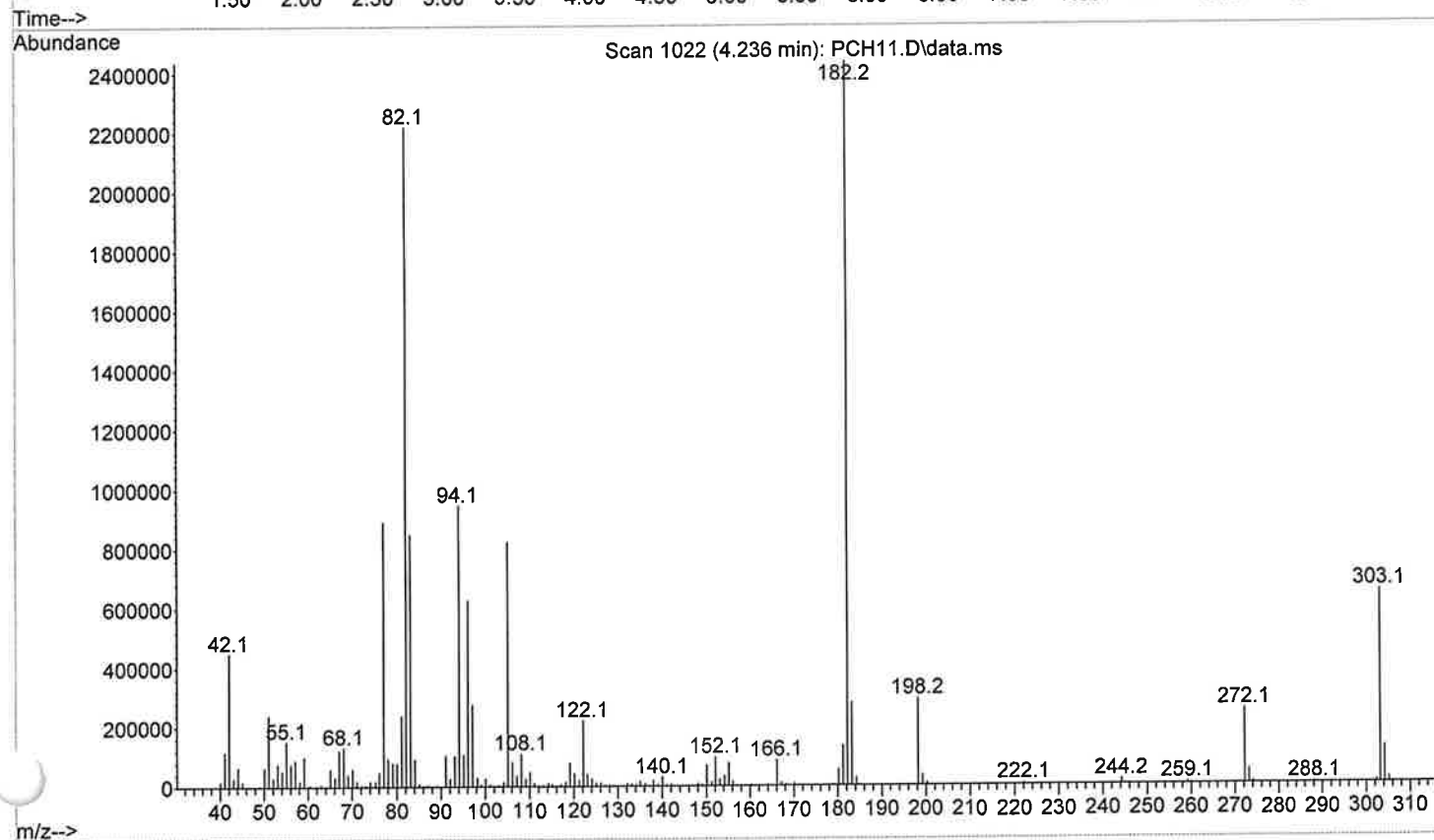
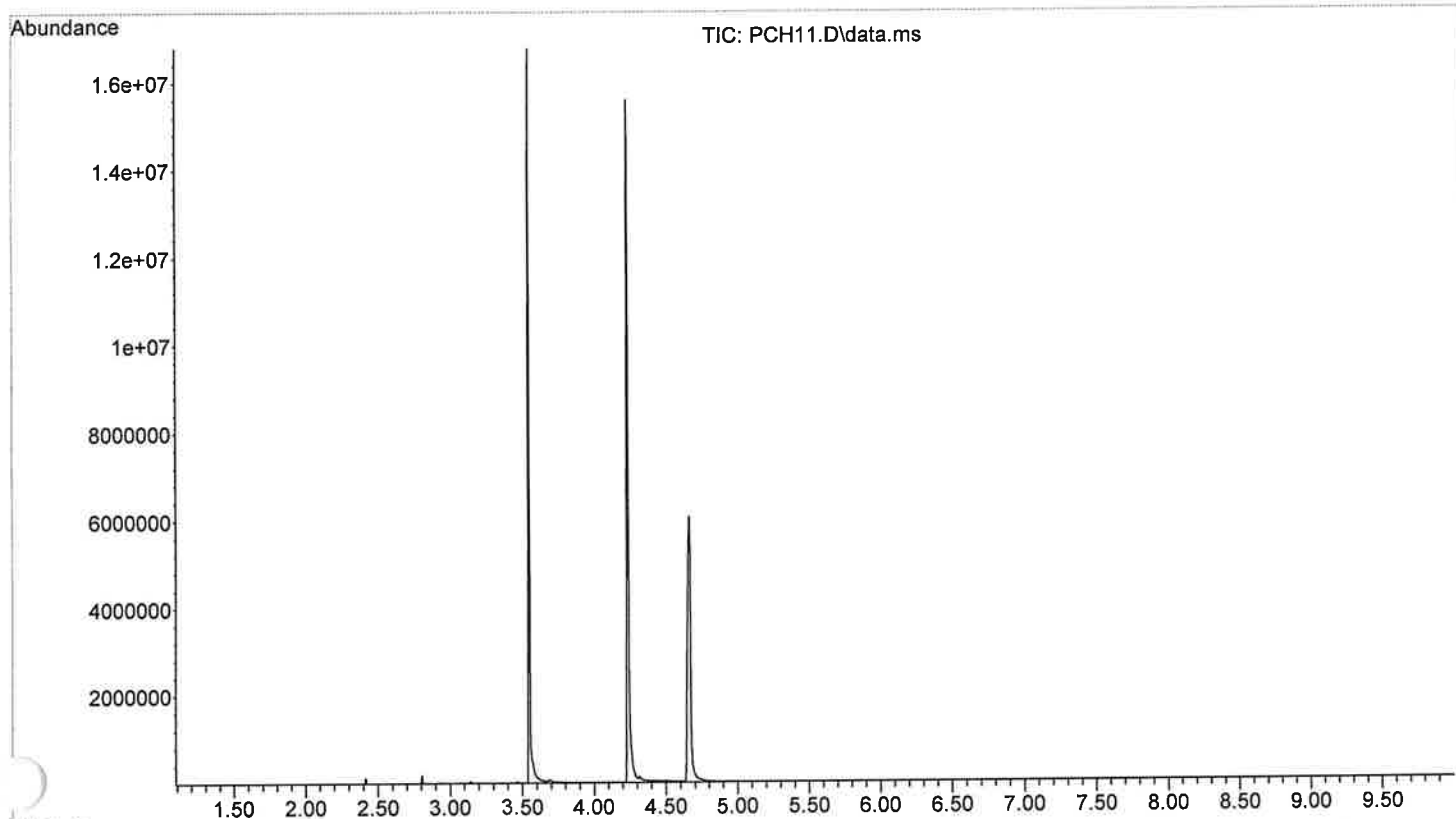
File :X:\2023\GJG\MSB16.D
Operator :
Acquired : 10 Mar 2023 16:37 using AcqMethod MSDRUGS60.M
Instrument : Donna2
Sample Name: MEOH B FOR CALIBRATION STANDARD wash51
Misc Info : 60-280
Vial Number: 1



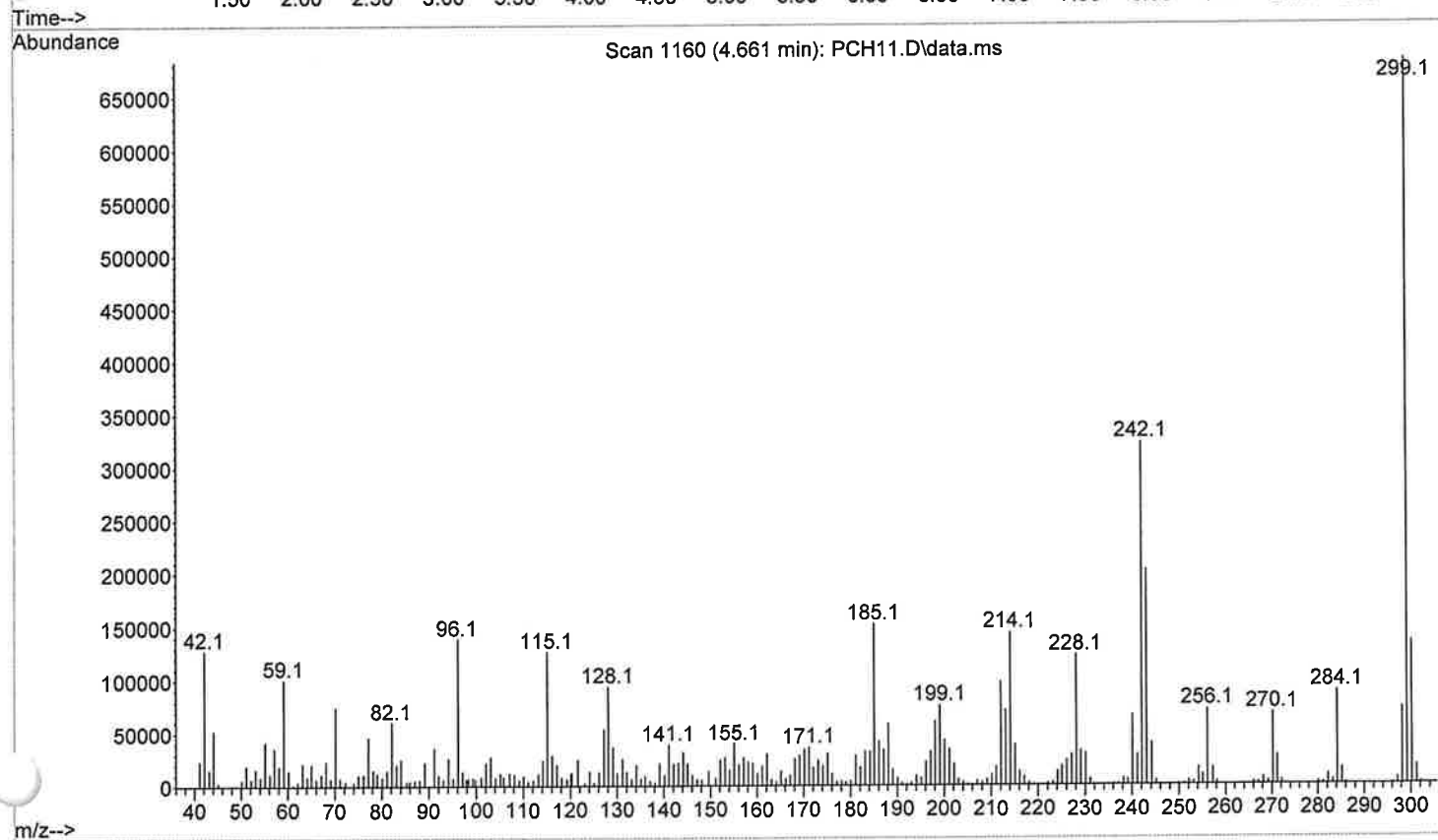
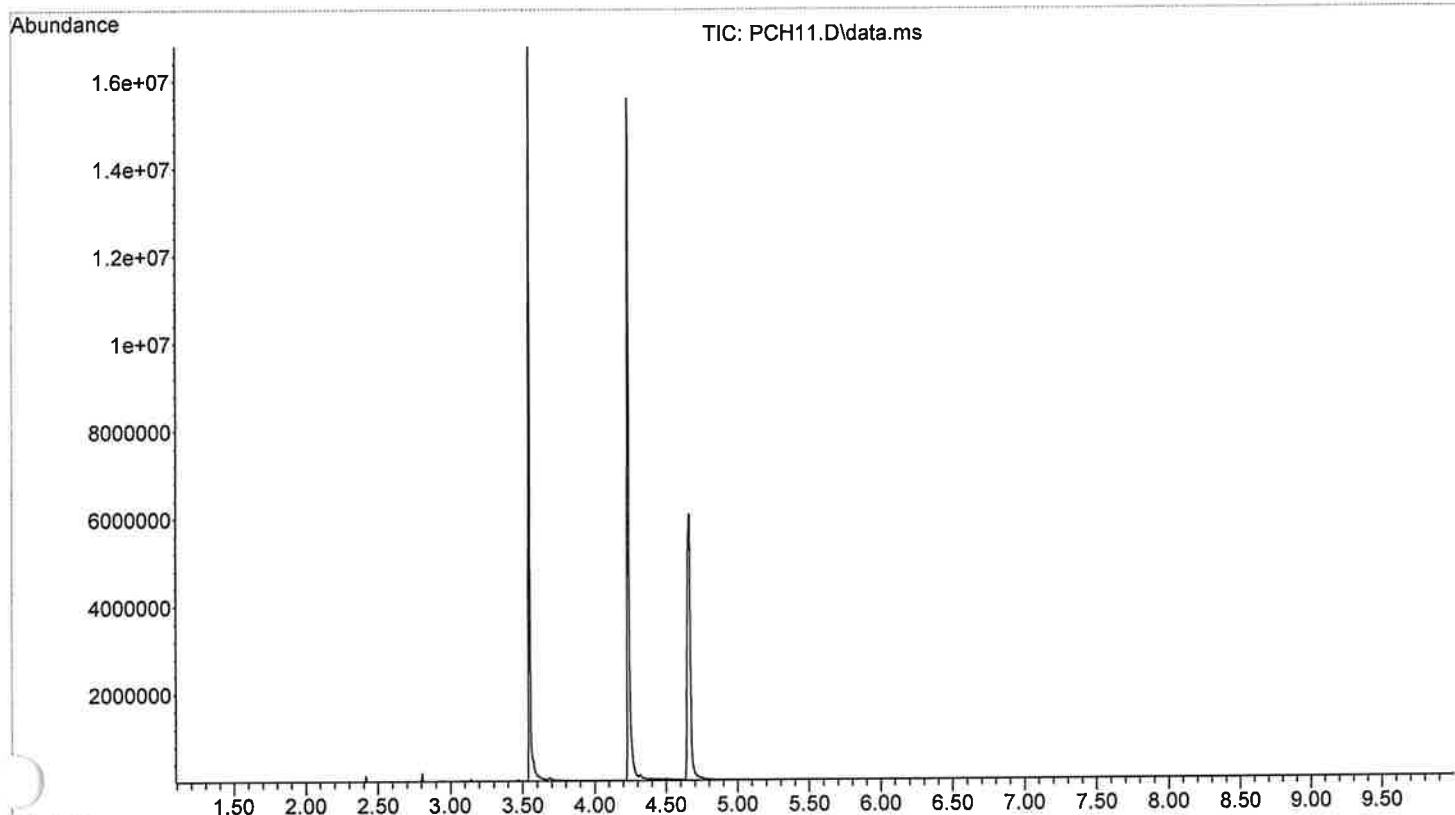
File :X:\2023\GJG\PCH11.D
Operator :
Acquired : 10 Mar 2023 16:55 using AcqMethod MSDRUGS60.M
Instrument : Donna2
Sample Name: CALIBRATION STANDARD -- 60-280 wash51
Mix Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 1



File :X:\2023\GJG\PCH11.D
Operator :
Acquired : 10 Mar 2023 16:55 using AcqMethod MSDRUGS60.M
Instrument : Donna2
Sample Name: CALIBRATION STANDARD -- 60-280 wash51
Mi Info : PETHIDINE / COCAINE / HYDROCODONE
Vi Number: 1



File :X:\2023\GJG\PCH11.D
Operator :
Acquired : 10 Mar 2023 16:55 using AcqMethod MSDRUGS60.M
Instrument : Donna2
Sample Name: CALIBRATION STANDARD -- 60-280 wash51
Mix Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 1



METHOD CONTROL PARAMETERS

Method Information for: E:\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:

MS Drugs 280c Isothermal extended time 20 minutes

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	E:\methods\MS280ISO.M
Tune file	atune.u
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
Acquisition Type	Scan
Stop time (min)	20.00
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	200	3,125 [N=1]

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
Extracted Ion	Scan 1-2	40	550

Self-Cleaning Ion Source Parameters

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

E:\methods\MS280ISO.M
Fri Mar 10 18:37:29 2023

Control Information

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

No Sample Prep method has been assigned to this method.

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

Oven
Temperature
Setpoint On
(Initial) 280 °C
Hold Time 20 min
Post Run 0 °C

Equilibration Time 0.5 min
Max Temperature 305 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Injection Repetitions 1
Injection Delay 0 sec
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 2
Solvent A Volume 8 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 2
Solvent B Volume 8 µL
Sample Washes 1
Sample Wash Volume 8 µL
Sample Pumps 2
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 300 µL/min
Solvent Wash Dispense Speed 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
Solvent Wash Mode A, B

Back Injector
Syringe Size 10 µL
Injection Volume 1 µL
Injection Repetitions 1

Injection Delay	0 sec
Solvent A Washes (PreInj)	2
Solvent A Washes (PostInj)	0
Solvent A Volume	8 µL
Solvent B Washes (PreInj)	2
Solvent B Washes (PostInj)	0
Solvent B Volume	8 µL
Sample Washes	0
Sample Wash Volume	8 µL
Sample Pumps	6
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Solvent Wash Mode	A, B
ALS Errors	Pause for user interaction
Front SS Inlet He	
Mode	Split
Heater	On 250 °C
Pressure	On 20.236 psi
Gas Saver	Off
Split Ratio	50 :1
Split Flow	48.428 mL/min
Liner	A Liner has not been selected.
Back SS Inlet He	
Mode	Split
Heater	On 250 °C
Pressure	On 6.7158 psi
Gas Saver	Off
Split Ratio	50 :1
Split Flow	25.968 mL/min
Liner	A Liner has not been selected.
Thermal Aux 2 (MSD Transfer Line)	
Temperature	
Setpoint	On
(Initial)	280 °C
Hold Time	0 min
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	0.96856 mL/min
Hold Time	0 min
Post Run	0.969 mL/min
Column Information	J&W01
Temperature Range	-60 °C-305 °C (305 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm
Column lock	Unlocked
In	Front SS Inlet He
Out	MSD
Column Outlet Pressure	MSD
(Initial)	280 °C

Pressure	20.237 psi
Flow	0.96856 mL/min
Average Velocity	60.555 cm/sec
Holdup Time	0.34404 min
Control Mode	Constant Flow

Column #2	
Pressure	On
Setpoint	6.7158 psi
(Initial)	
Hold Time	0 min
Post Run	0 psi

Column Information	AB003
Temperature Range	-60 °C-305 °C (305 °C)
Dimensions	30 m x 320 µm x 1 µm
Column lock	Unlocked
In	Back SS Inlet He
Out	Front Detector FID
Column Outlet Pressure	0 psi
(Initial)	280 °C
Pressure	6.7158 psi
Flow	0.51935 mL/min
Average Velocity	16.271 cm/sec
Holdup Time	3.0729 min
Control Mode	Ramped Pressure

Front Detector FID	
Makeup	He
Heater	On 250 °C
H2 Flow	Off
Air Flow	Off
Makeup Flow	On 45 mL/min
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	Off

Signals	
Signal #1: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	Off
Data Rate	20 Hz
Dual Injection Assignment	Front Sample

Signal #2: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	Off
Data Rate	20 Hz
Dual Injection Assignment	Back Sample

Column 1 Inventory Number :
 Column 2 Inventory Number :

TUNE PARAMETERS for SN: US10423616

Trace Ion Detection is OFF.

34.610	:	EMISSION	
70.347	:	ENERGY	
33.279	:	REPELLER	
90.157	:	IONFOCUS	
22.000	:	ENTRANCE_LENS	
894.118	:	EMVOLTS	
		1023.529	: Actual EMV
		0.99	: GAIN FACTOR
1672.000	:	AMUGAIN	
120.500	:	AMUOFFSET	
2.000	:	FILAMENT	
0.000	:	DCPOLARITY	
19.075	:	ENTLENSOFFSET	
-820.000	:	MASSGAIN	
-32.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

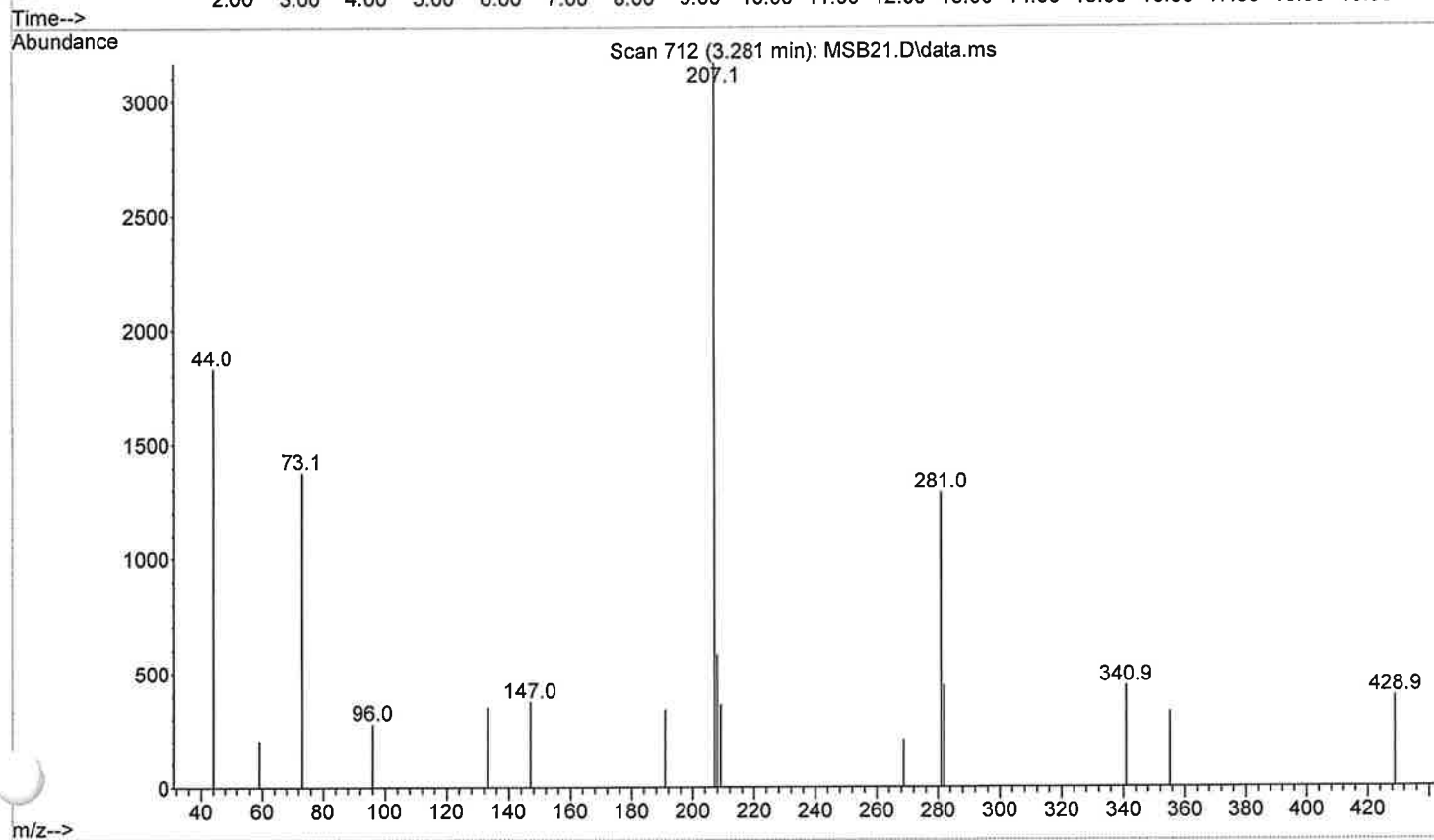
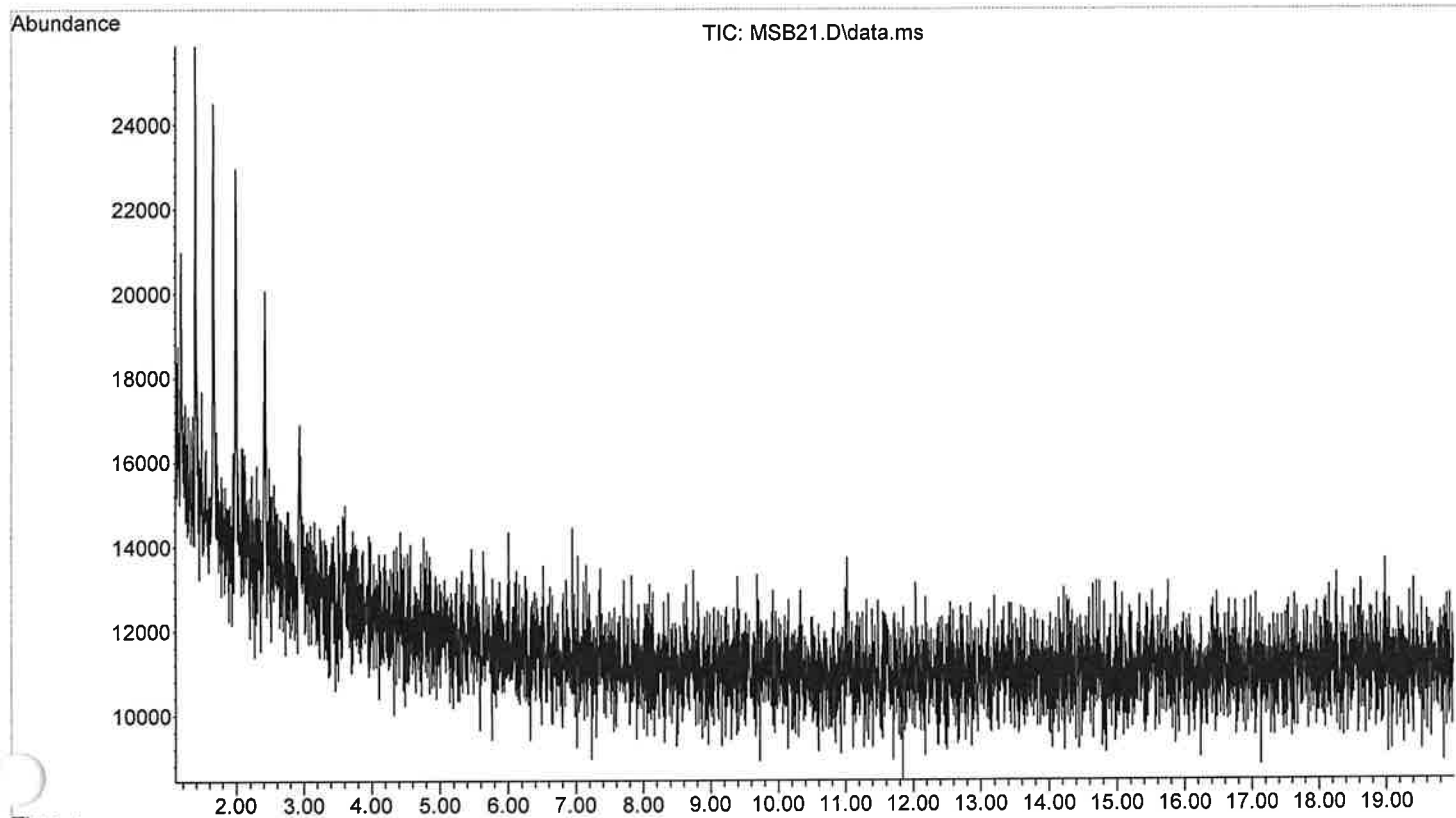
Method Path : E:\methods\
Method File : MS280ISO.M
Title : METHAMPHETAMINE QUANTITATION
1st Update :
Response Via : Initial Calibration

Total Cpnds : 0

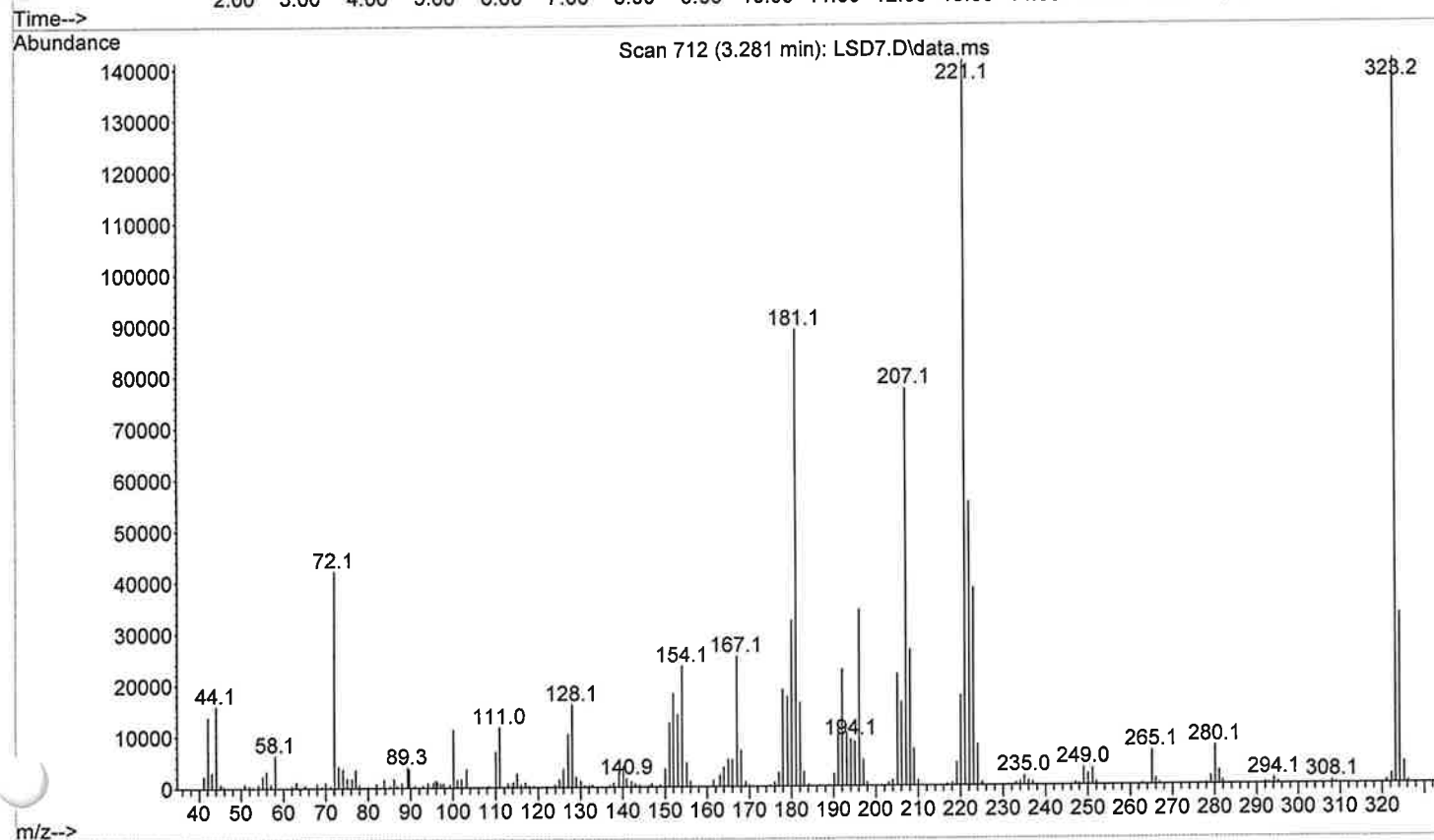
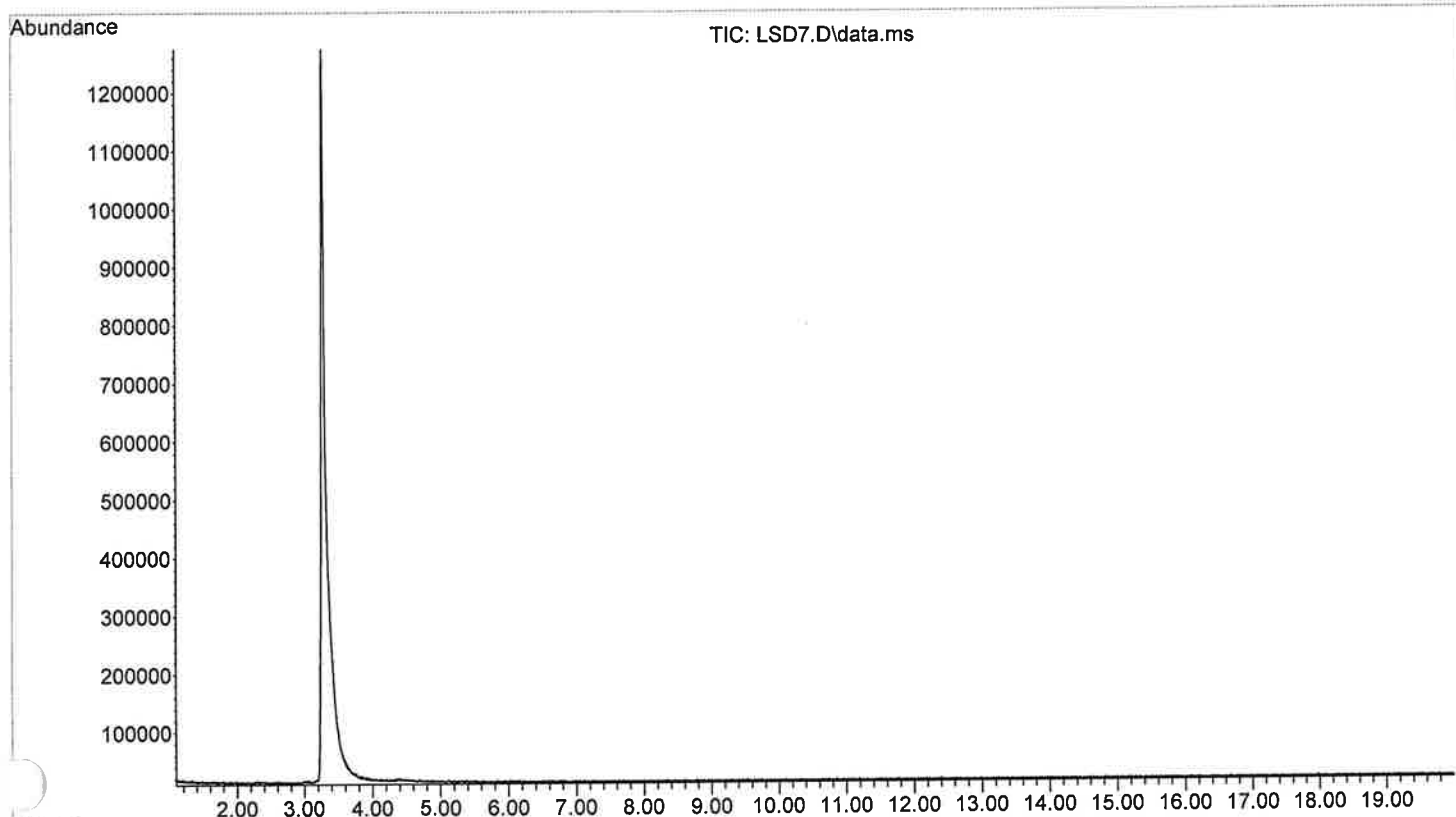
PK#	Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
-----	---------------	------	--------	--------	-----	-------	-----	----

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

File :X:\2023\GJG\MSB21.D
Operator :
Acquired : 10 Mar 2023 17:52 using AcqMethod MS280ISO.M
Instrument : Donna2
Sample Name: MEOH B FOR LSD STANDARD wash51
Misc Info : 280 ISOTHERMAL
Vial Number: 1



File :X:\2023\GJG\LSD7.D
Operator :
Acquired : 10 Mar 2023 18:15 using AcqMethod MS280ISO.M
Instrument : Donna2
Sample Name: LSD STANDARD -- 280 ISOTHERMAL wash51
Min Info : Cerilliant Lot# FE10161901 Exp: October 2024
Vial Number: 1



METHOD CONTROL PARAMETERS

Method Information for: E:\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:

MS Drugs100-280c 6 minutes

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	E:\methods\MS100TR.M
Tune file	atune.u
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
Acquisition Type	Scan
Stop time (min)	650.00
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	200	3,125 [N=1]

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
Extracted Ion	Scan 1-2	40	550

Self-Cleaning Ion Source Parameters

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

E:\methods\MS100TR.M
Fri Mar 10 17:08:25 2023

Control Information

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

No Sample Prep method has been assigned to this method.

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

Oven
Temperature
Setpoint On
(Initial) 100 °C
Hold Time 1 min
Post Run 0 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 2.43 min

Equilibration Time 0.5 min
Max Temperature 305 °C
Maximum Temperature Override Disabled
Blow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Injection Repetitions 1
Injection Delay 0 sec
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 2
Solvent A Volume 8 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 2
Solvent B Volume 8 µL
Sample Washes 1
Sample Wash Volume 8 µL
Sample Pumps 2
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 300 µL/min
Solvent Wash Dispense Speed 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
Solvent Wash Mode A, B

Back Injector	
Syringe Size	10 µL
Injection Volume	1 µL
Injection Repetitions	1
Injection Delay	0 sec
Solvent A Washes (PreInj)	2
Solvent A Washes (PostInj)	0
Solvent A Volume	8 µL
Solvent B Washes (PreInj)	2
Solvent B Washes (PostInj)	0
Solvent B Volume	8 µL
Sample Washes	0
Sample Wash Volume	8 µL
Sample Pumps	6
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Solvent Wash Mode	A, B
ALS Errors	Pause for user interaction
Front SS Inlet He	
Mode	Split
Heater	On 250 °C
Pressure	On 10.401 psi
Gas Saver	Off
Split Ratio	50 :1
Split Flow	48.428 mL/min
Liner	A Liner has not been selected.
Back SS Inlet He	
Mode	Split
Heater	On 250 °C
Pressure	On 6.7158 psi
Gas Saver	Off
Split Ratio	50 :1
Split Flow	50.309 mL/min
Liner	A Liner has not been selected.
Thermal Aux 2 (MSD Transfer Line)	
Temperature	
Setpoint	On
(Initial)	280 °C
Hold Time	0 min
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	0.96856 mL/min
Hold Time	0 min
Post Run	0.969 mL/min
Column Information	J&W01
Temperature Range	-60 °C-305 °C (305 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm

Column lock
In
Out
Column Outlet Pressure
(Initial)
Pressure
Flow
Average Velocity
Holdup Time
Control Mode

Unlocked
Front SS Inlet He
MSD
MSD
100 °C
10.402 psi
0.96856 mL/min
56.859 cm/sec
0.3664 min
Constant Flow

Column #2
Pressure
Setpoint
(Initial)
Hold Time
Post Run

On
6.7158 psi
0 min
0 psi

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

AB003
-60 °C-305 °C (305 °C)
30 m x 320 µm x 1 µm
Unlocked
Back SS Inlet He
Front Detector FID
0 psi
100 °C
6.7158 psi
1.0062 mL/min
21.266 cm/sec
2.3512 min
Ramped Pressure

Front Detector FID
Makeup
Heater
Flow
Air Flow
Makeup Flow
Carrier Gas Flow Correction
Flame

He
On 250 °C
Off
Off
On 45 mL/min
Constant Makeup and Fuel Flow
Off

Signals
Signal #1: Front Signal
Description
Details
Save
Data Rate
Dual Injection Assignment

Front Signal
Front Signal (FID)
Off
20 Hz
Front Sample

Signal #2: Front Signal
Description
Details
Save
Data Rate
Dual Injection Assignment

Front Signal
Front Signal (FID)
Off
20 Hz
Back Sample

Column 1 Inventory Number :
Column 2 Inventory Number :

TUNE PARAMETERS for SN: US10423616

Trace Ion Detection is OFF.

34.610	:	EMISSION	
70.347	:	ENERGY	
33.279	:	REPELLER	
90.157	:	IONFOCUS	
22.000	:	ENTRANCE_LENS	
894.118	:	EMVOLTS	
		1023.529	: Actual EMV
		0.99	: GAIN FACTOR
1672.000	:	AMUGAIN	
120.500	:	AMUOFFSET	
2.000	:	FILAMENT	
0.000	:	DCPOLARITY	
19.075	:	ENTLENSOFFSET	
-820.000	:	MASSGAIN	
-32.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

Method Path : E:\methods\
Method File : MS100TR.M
Title : METHAMPHETAMINE QUANTITATION
st Update :
Response Via : Initial Calibration

Total Cpnds : 0

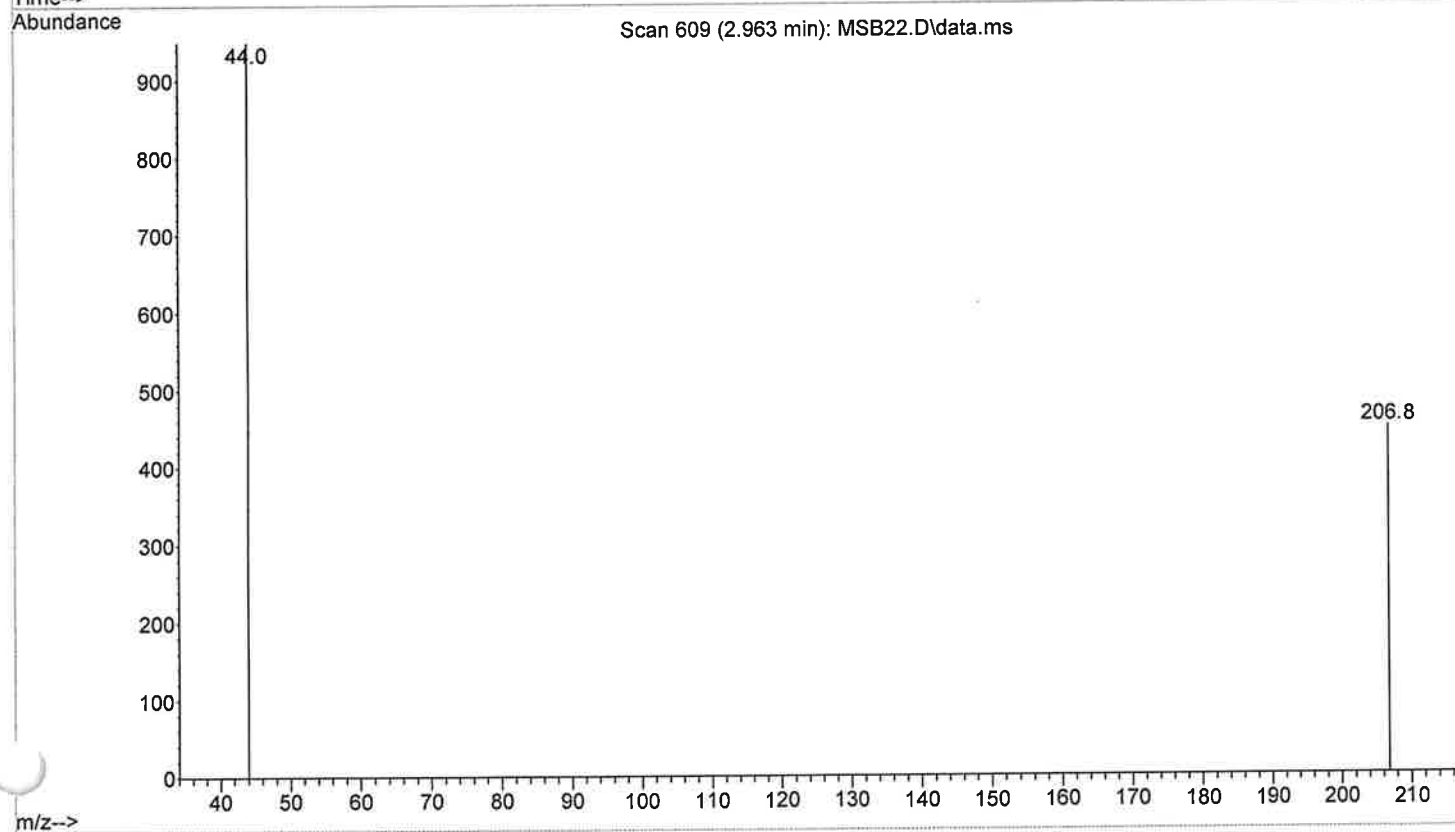
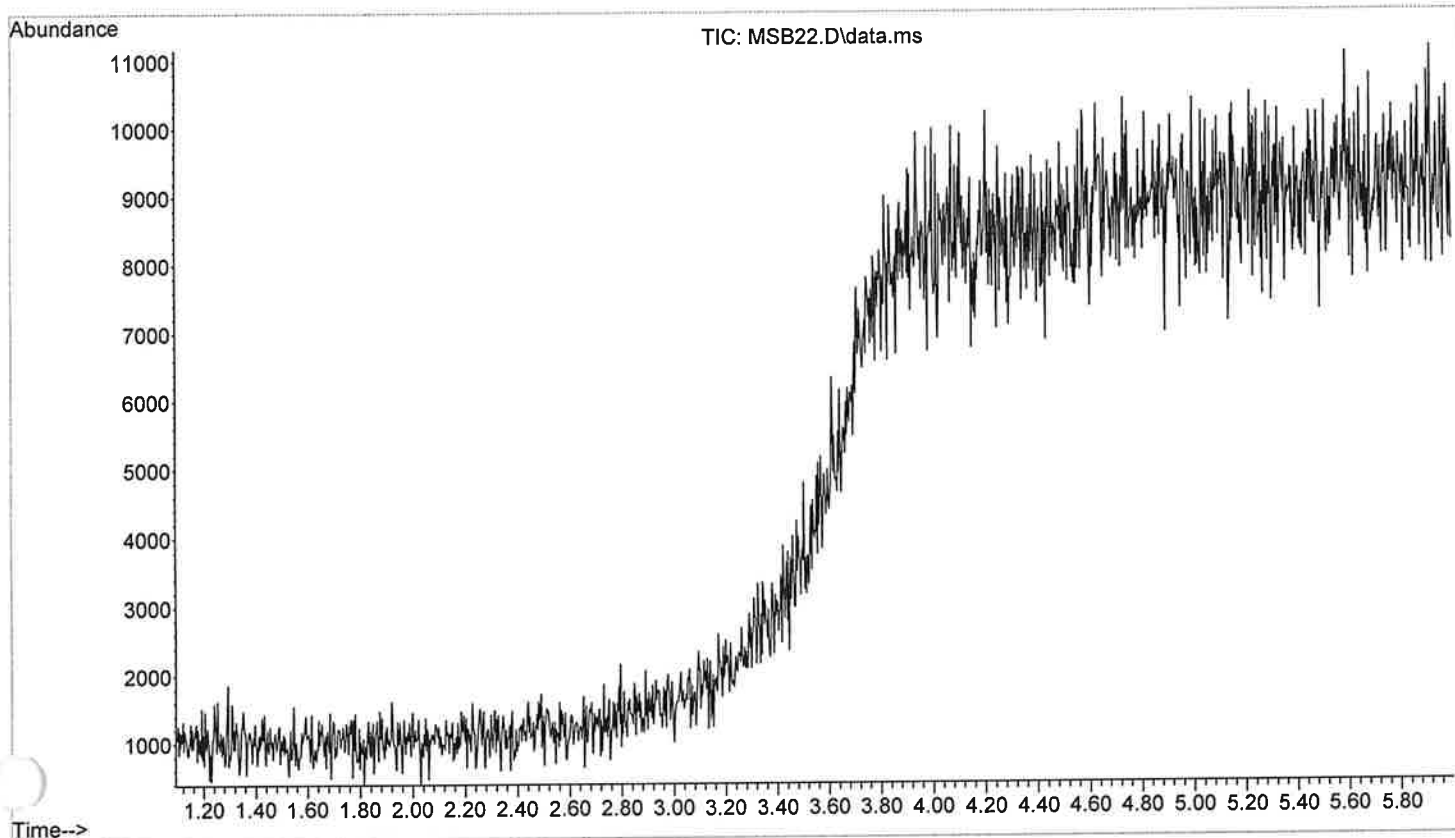
PK#	Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
-----	---------------	------	--------	--------	-----	-------	-----	----

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers

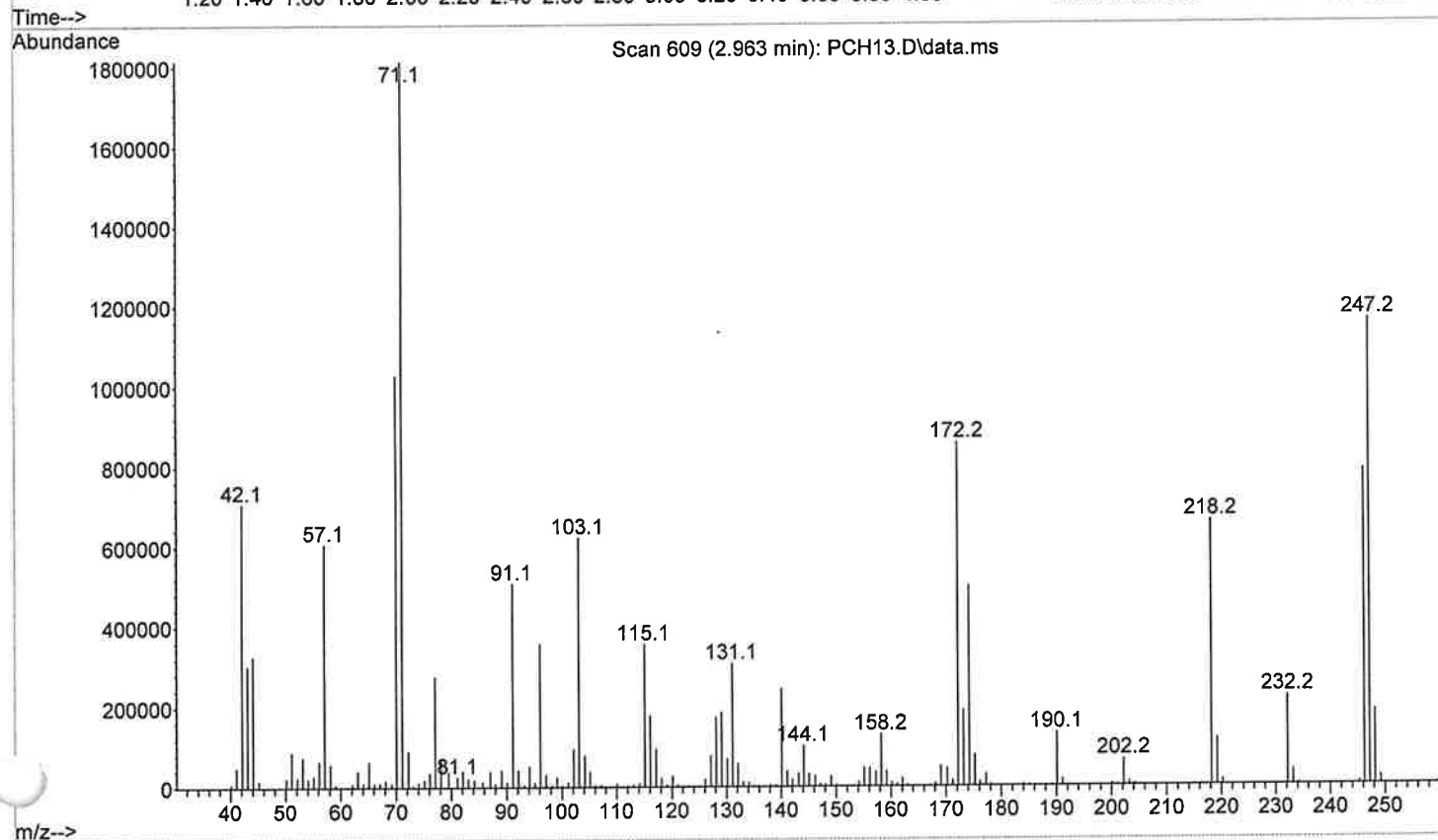
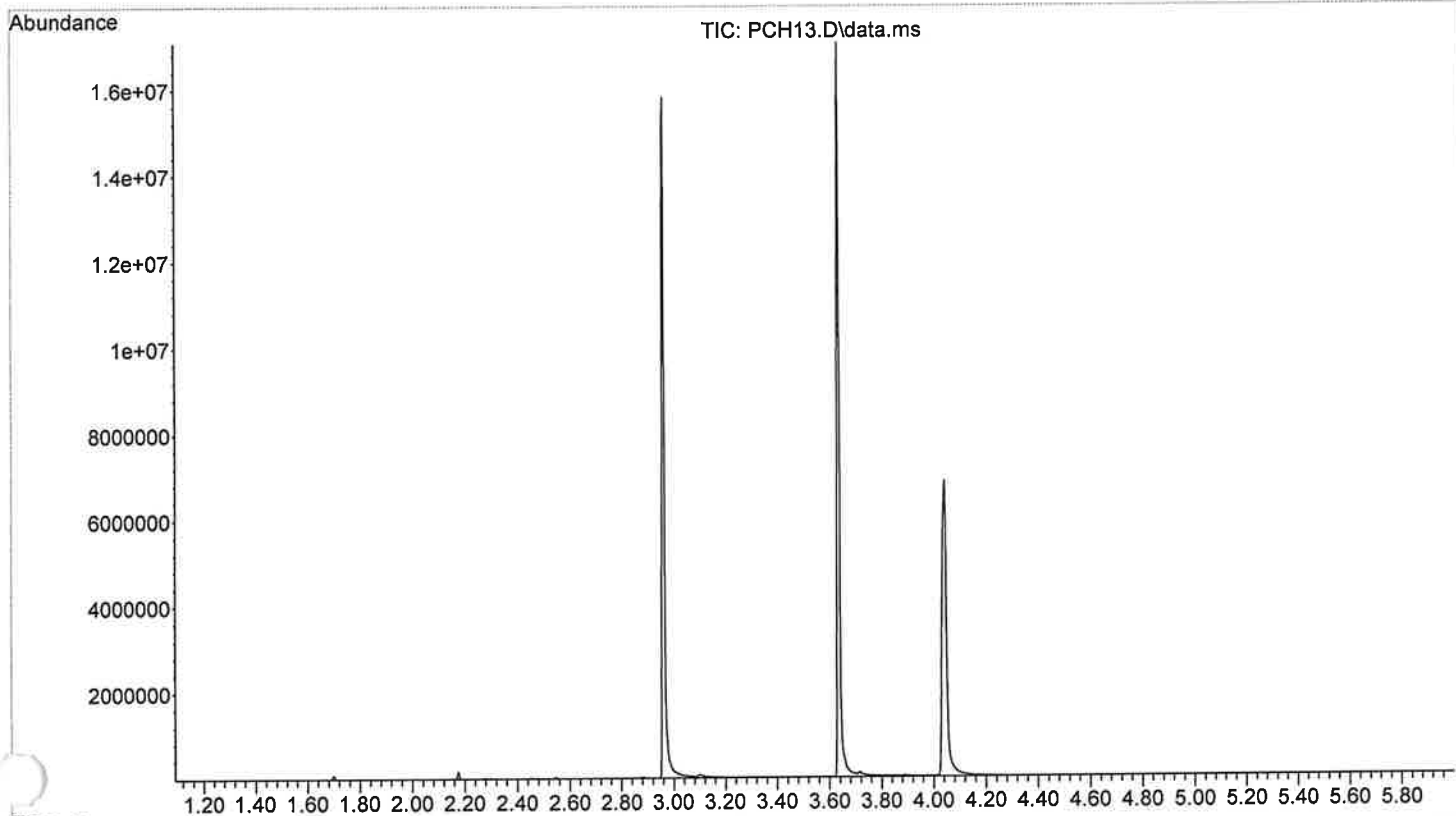
A/H = Area or Height

ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

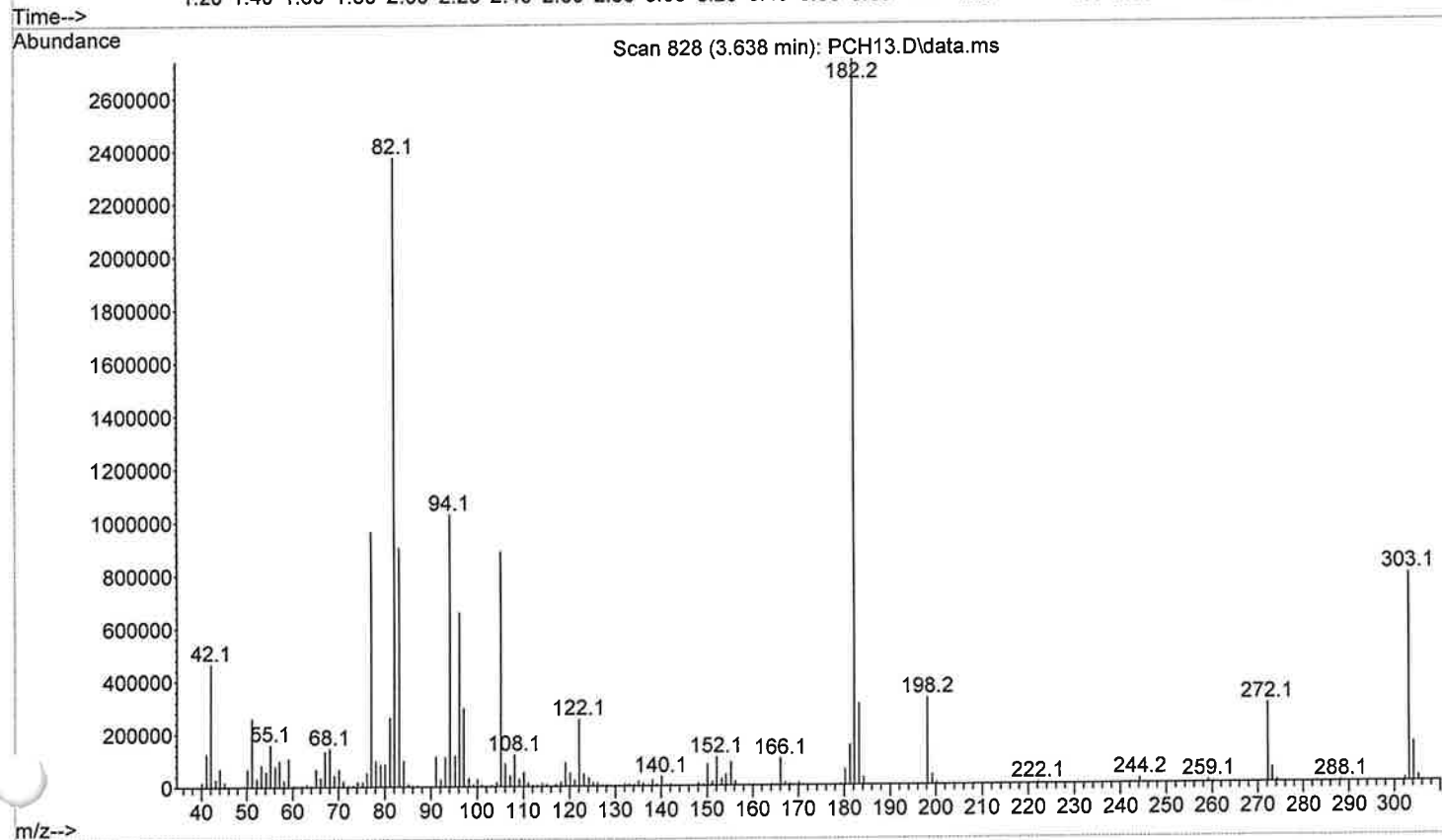
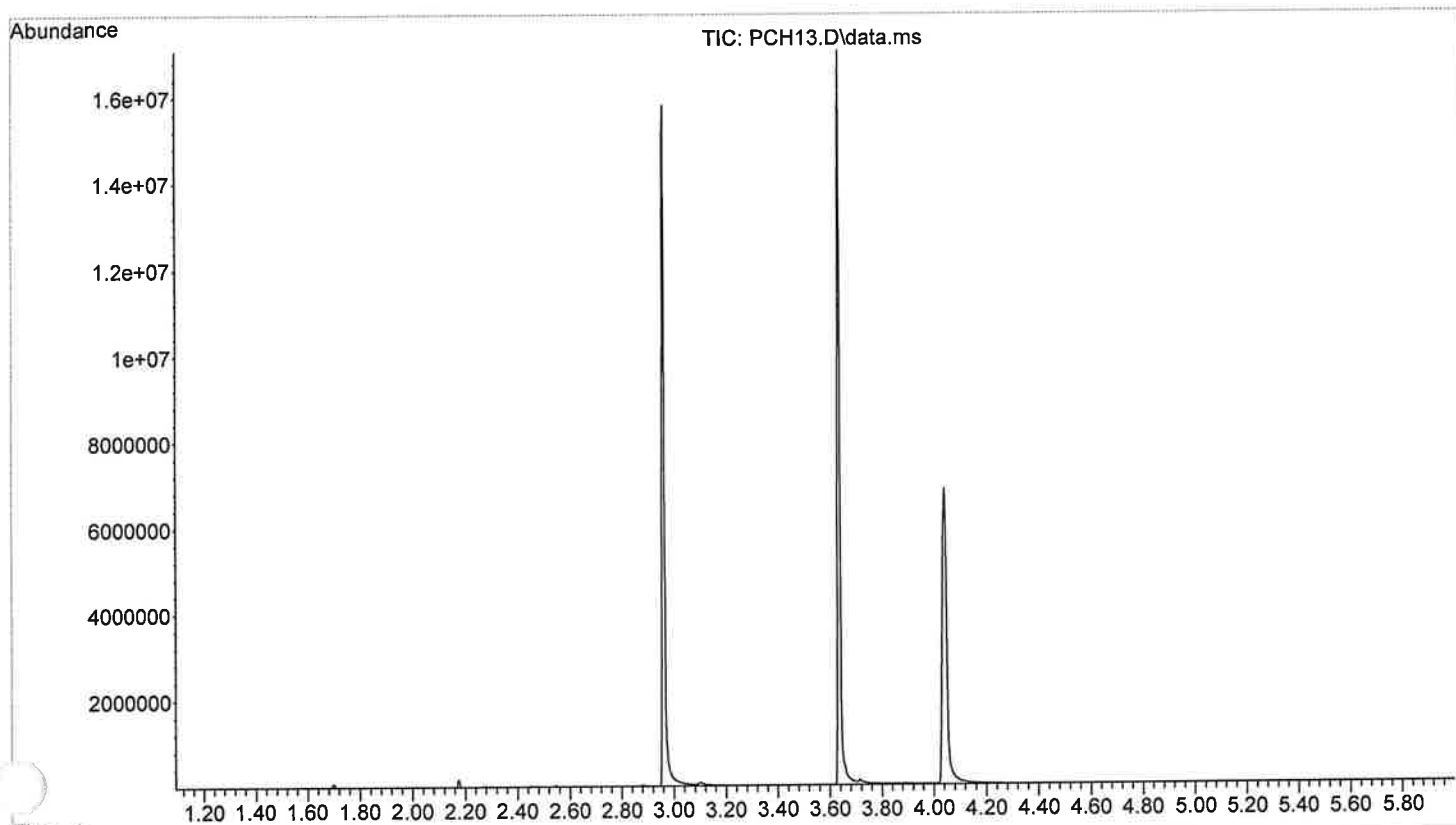
File :X:\2023\GJG\MSB22.D
Operator :
Acquired : 10 Mar 2023 17:09 using AcqMethod MS100TR.M
Instrument : Donna2
Sample Name: MEQH B FOR CALIBRATION STANDARD wash51
Mi Info : 100-280
Vi Number: 1



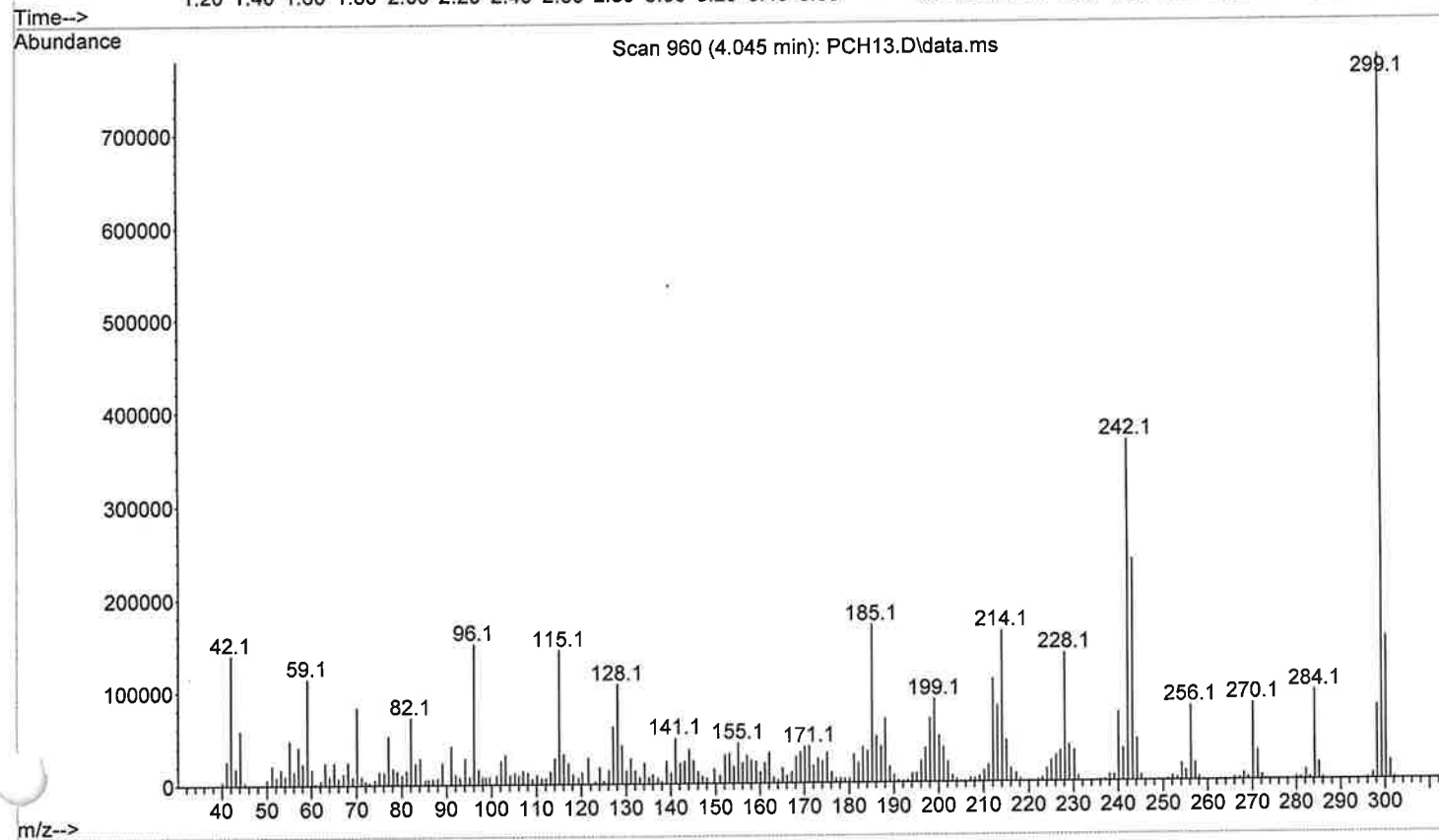
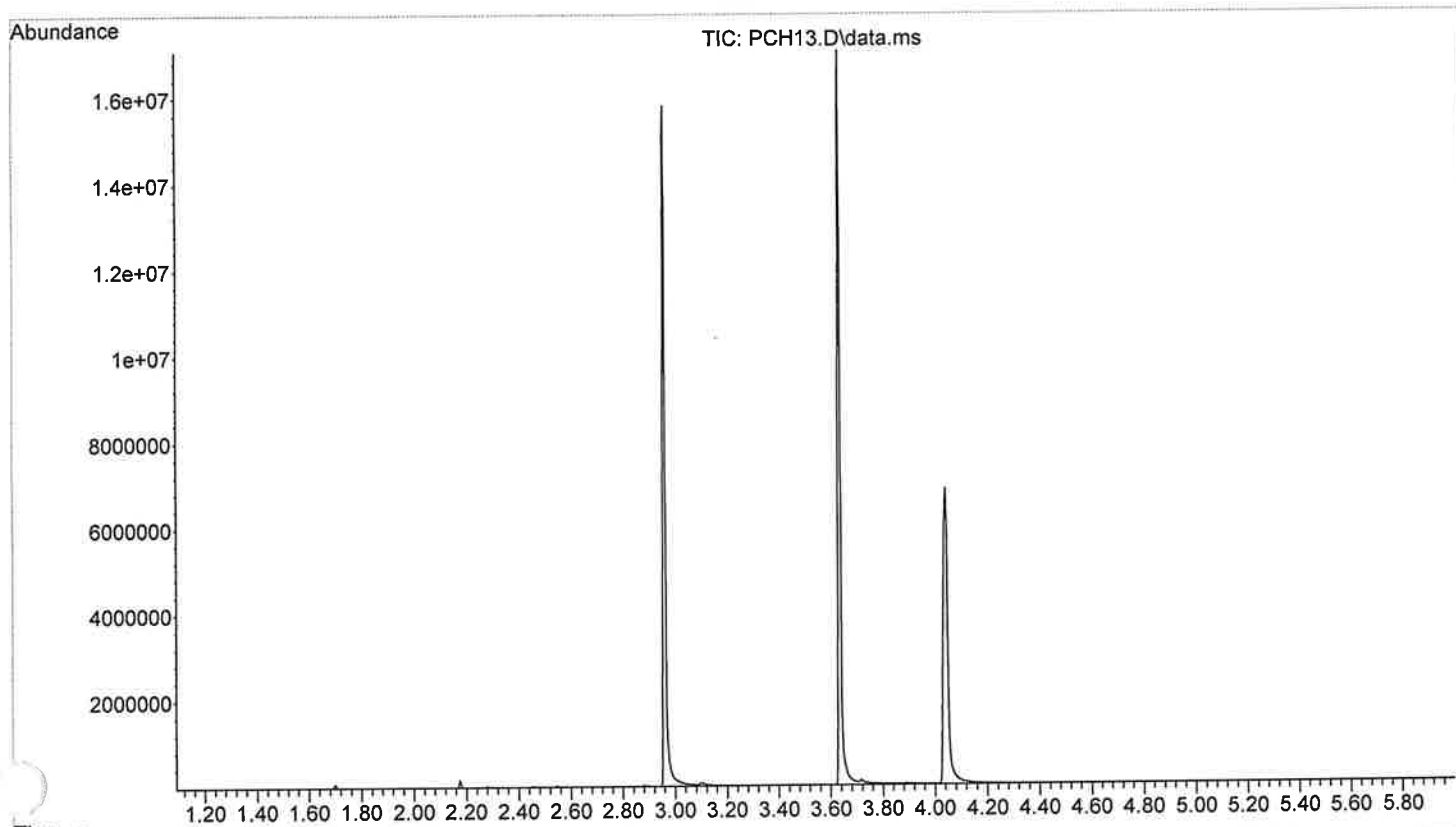
File :X:\2023\GJG\PCH13.D
Operator :
Acquired : 10 Mar 2023 17:19 using AcqMethod MS100TR.M
Instrument : Donna2
Sample Name: CALIBRATION STANDARD -- 100-280 wash51
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 1



File :X:\2023\GJG\PCH13.D
Operator :
Acquired : 10 Mar 2023 17:19 using AcqMethod MS100TR.M
Instrument : Donna2
Sample Name: CALIBRATION STANDARD -- 100-280 wash51
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 1



File :X:\2023\GJG\PCH13.D
Operator :
Acquired : 10 Mar 2023 17:19 using AcqMethod MS100TR.M
Instrument : Donna2
Sample Name: CALIBRATION STANDARD -- 100-280 wash51
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 1



METHOD CONTROL PARAMETERS

Method Information for: E:\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:

MS Drugs200-280c 6 minutes

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	E:\methods\MS200TR.M
Tune file	atune.u
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
Acquisition Type	Scan
Stop time (min)	6.00
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	200	3,125 [N=1]

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
Extracted Ion	Scan 1-2	40	550

Self-Cleaning Ion Source Parameters

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

E:\methods\MS200TR.M
Fri Mar 10 17:45:26 2023

Control Information

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

No Sample Prep method has been assigned to this method.

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

Oven
Temperature
Setpoint On
(Initial) 200 °C
Hold Time 1 min
Post Run 0 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 3.86 min

Equilibration Time 0.5 min
Max Temperature 305 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Injection Repetitions 1
Injection Delay 0 sec
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 2
Solvent A Volume 8 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 2
Solvent B Volume 8 µL
Sample Washes 1
Sample Wash Volume 8 µL
Sample Pumps 2
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 300 µL/min
Solvent Wash Dispense Speed 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
Solvent Wash Mode A, B

Back Injector	
Syringe Size	10 µL
Injection Volume	1 µL
Injection Repetitions	1
Injection Delay	0 sec
Solvent A Washes (PreInj)	2
Solvent A Washes (PostInj)	0
Solvent A Volume	8 µL
Solvent B Washes (PreInj)	2
Solvent B Washes (PostInj)	0
Solvent B Volume	8 µL
Sample Washes	0
Sample Wash Volume	8 µL
Sample Pumps	6
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Solvent Wash Mode	A, B
ALS Errors	Pause for user interaction
Front SS Inlet He	
Mode	Split
Heater	On 250 °C
Pressure	On 15.94 psi
Gas Saver	Off
Split Ratio	50 :1
Split Flow	48.428 mL/min
Liner	A Liner has not been selected.
Back SS Inlet He	
Mode	Split
Heater	On 250 °C
Pressure	On 6.7158 psi
Gas Saver	Off
Split Ratio	50 :1
Split Flow	33.761 mL/min
Liner	A Liner has not been selected.
Thermal Aux 2 (MSD Transfer Line)	
Temperature	
Setpoint	On
(Initial)	280 °C
Hold Time	0 min
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	0.96856 mL/min
Hold Time	0 min
Post Run	0.969 mL/min
Column Information	J&W01
Temperature Range	-60 °C-305 °C (305 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm

Column lock
In
Out
Column Outlet Pressure
(Initial)
Pressure
low
Average Velocity
Holdup Time
Control Mode

Unlocked
Front SS Inlet He
MSD
MSD
200 °C
15.941 psi
0.96856 mL/min
59.061 cm/sec
0.35275 min
Constant Flow

Column #2
Pressure
Setpoint
(Initial)
Hold Time
Post Run

On
6.7158 psi
0 min
0 psi

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

AB003
-60 °C-305 °C (305 °C)
30 m x 320 µm x 1 µm
Unlocked
Back SS Inlet He
Front Detector FID
0 psi
200 °C
6.7158 psi
0.67521 mL/min
18.095 cm/sec
2.7632 min
Ramped Pressure

Front Detector FID

Makeup
Heater
Flow
Air Flow
Makeup Flow
Carrier Gas Flow Correction
Flame

He
On 250 °C
Off
Off
On 45 mL/min
Constant Makeup and Fuel Flow
Off

Signals

Signal #1: Front Signal
Description
Details
Save
Data Rate
Dual Injection Assignment

Front Signal
Front Signal (FID)
Off
20 Hz
Front Sample

Signal #2: Front Signal
Description
Details
Save
Data Rate
Dual Injection Assignment

Front Signal
Front Signal (FID)
Off
20 Hz
Back Sample

Column 1 Inventory Number :
Column 2 Inventory Number :

TUNE PARAMETERS for SN: US10423616

Trace Ion Detection is OFF.

34.610	:	EMISSION	
70.347	:	ENERGY	
33.279	:	REPELLER	
90.157	:	IONFOCUS	
22.000	:	ENTRANCE_LENS	
894.118	:	EMVOLTS	
		1023.529	: Actual EMV
		0.99	: GAIN FACTOR
1672.000	:	AMUGAIN	
120.500	:	AMUOFFSET	
2.000	:	FILAMENT	
0.000	:	DCPOLARITY	
19.075	:	ENTLENSOFFSET	
-820.000	:	MASSGAIN	
-32.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

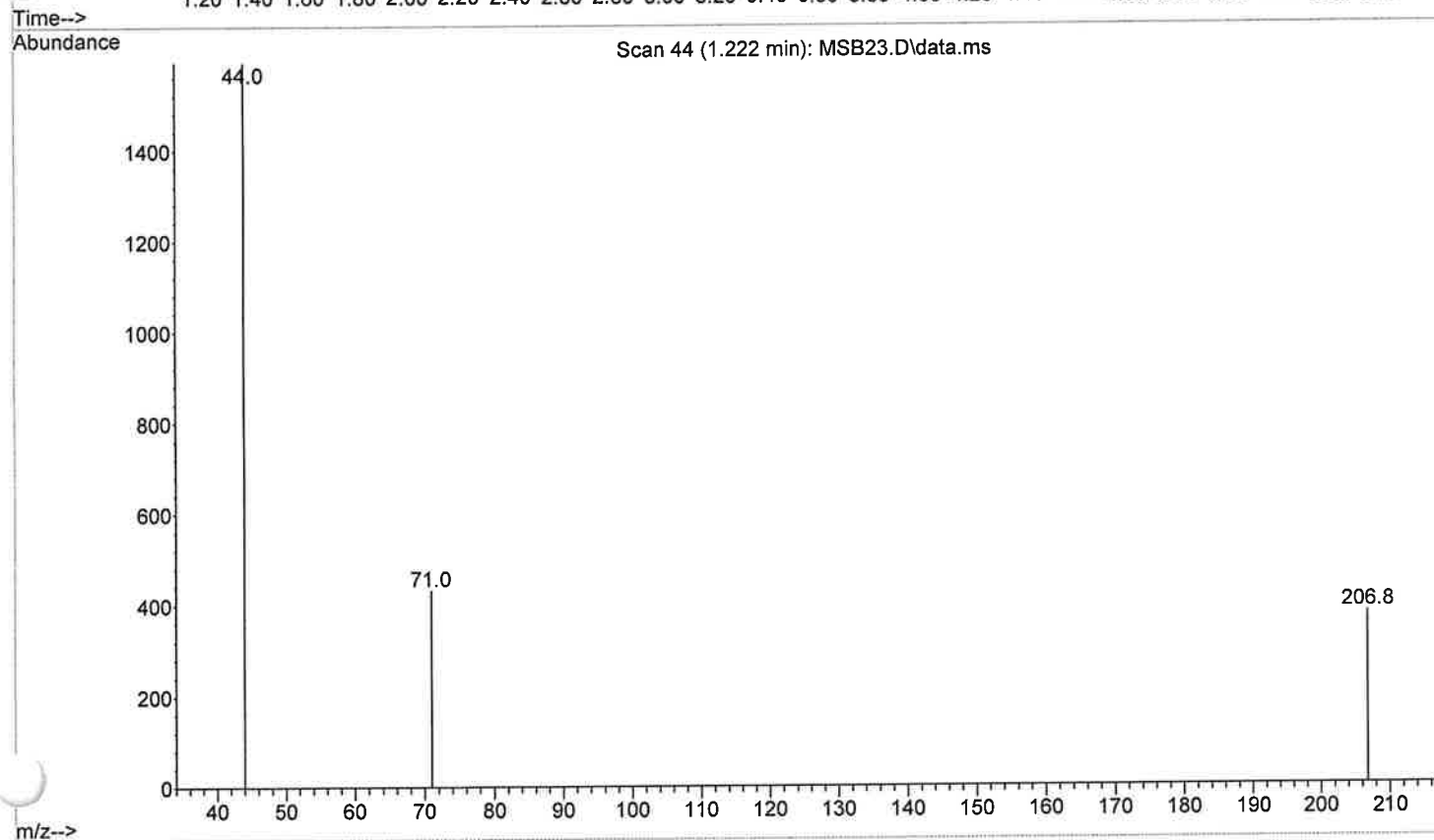
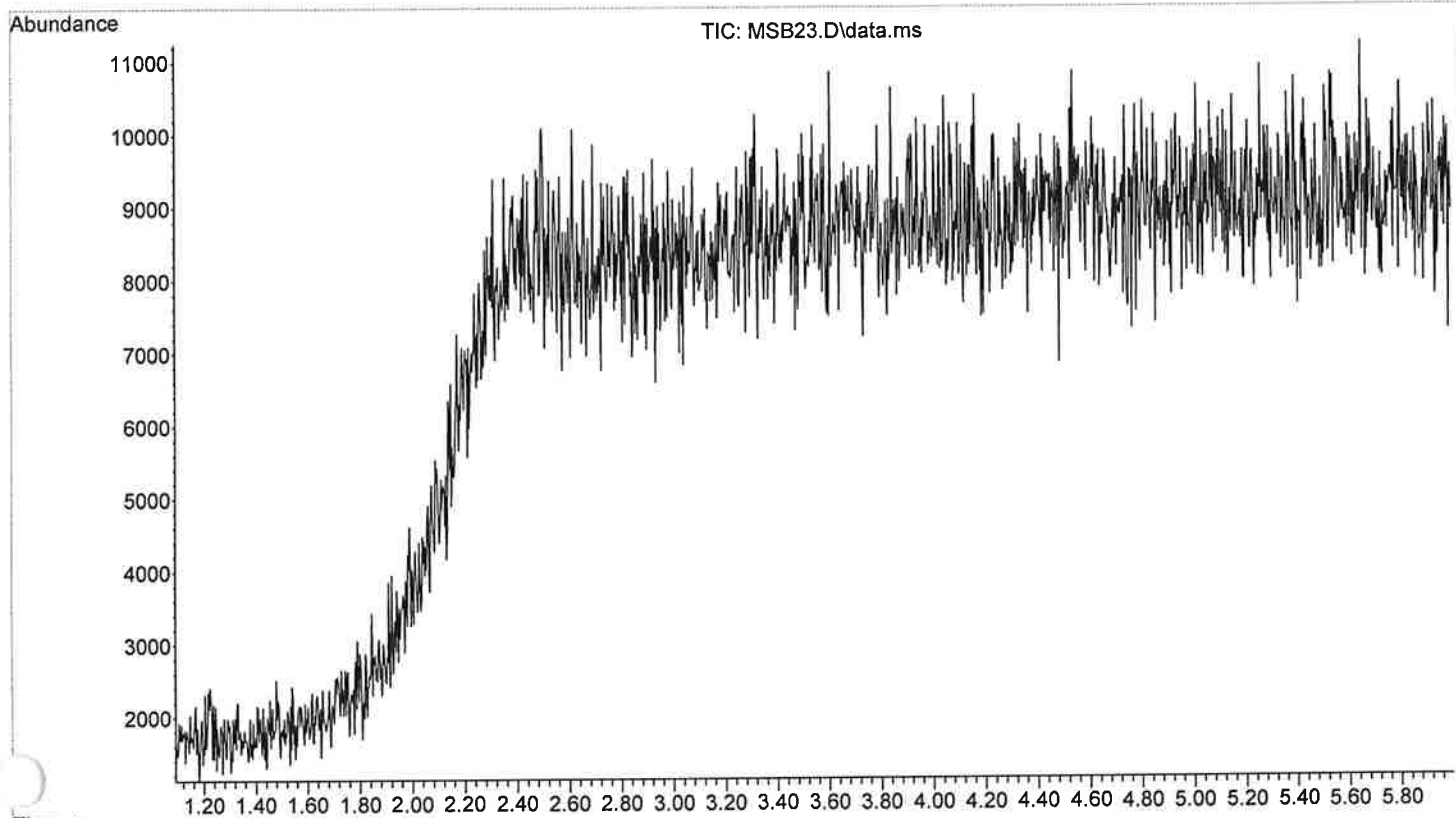
Method Path : E:\methods\
Method File : MS200TR.M
Title : METHAMPHETAMINE QUANTITATION
st Update :
Response Via : Initial Calibration

Total Cpnds : 0

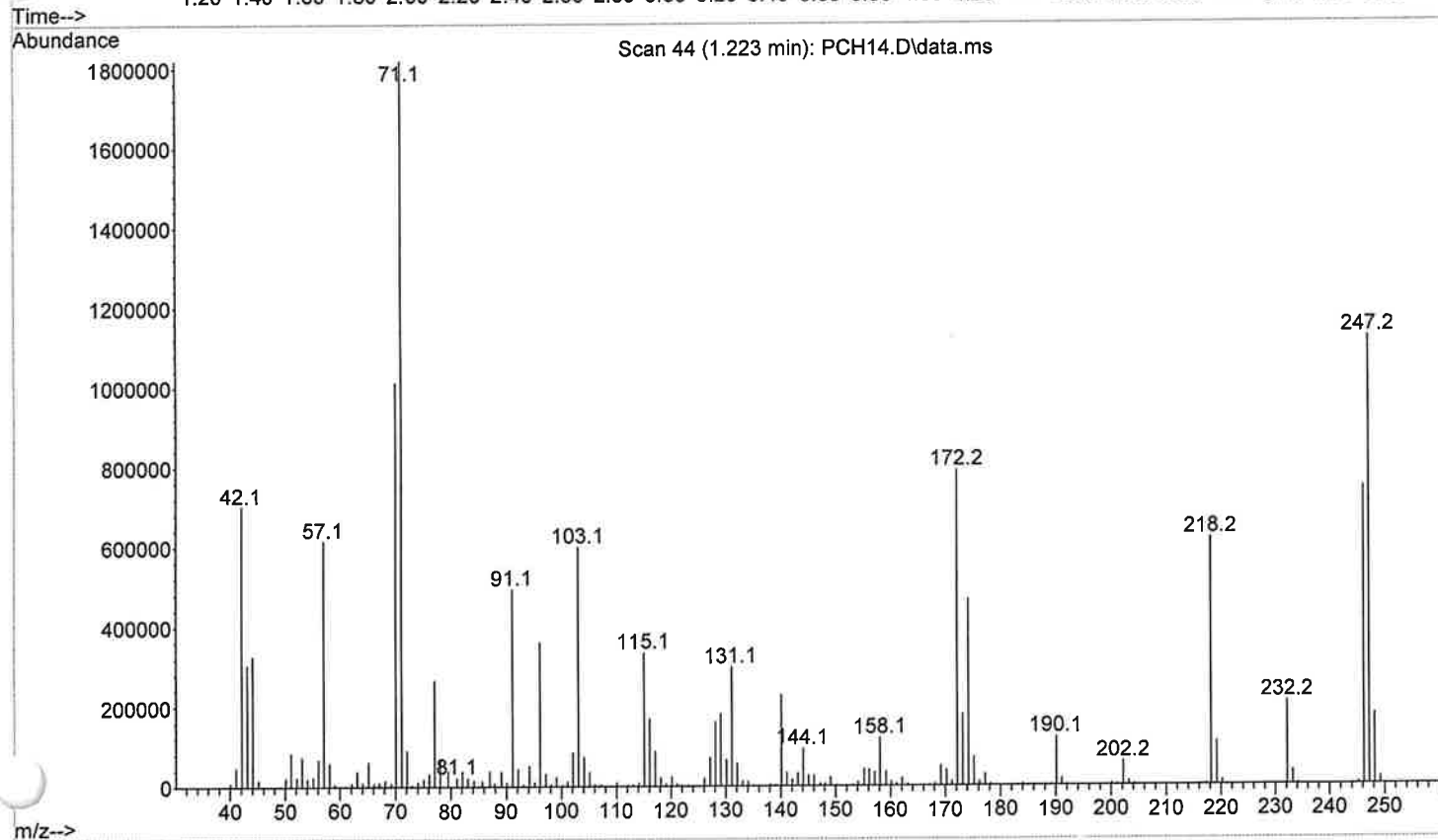
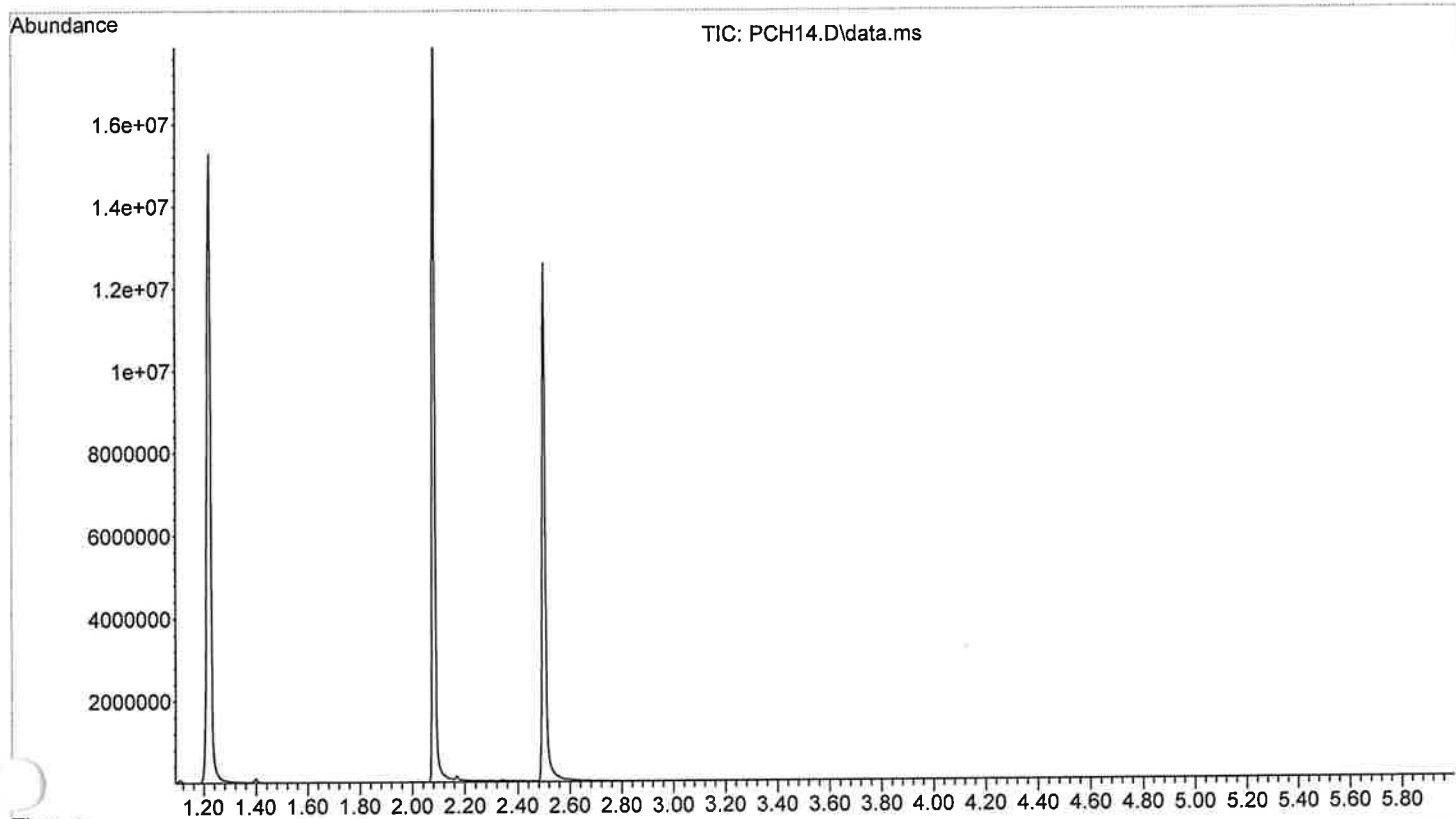
PK#	Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
-----	---------------	------	--------	--------	-----	-------	-----	----

Cal A = Average L = Linear LO = Linear w/origin Q = Quad Q0 = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

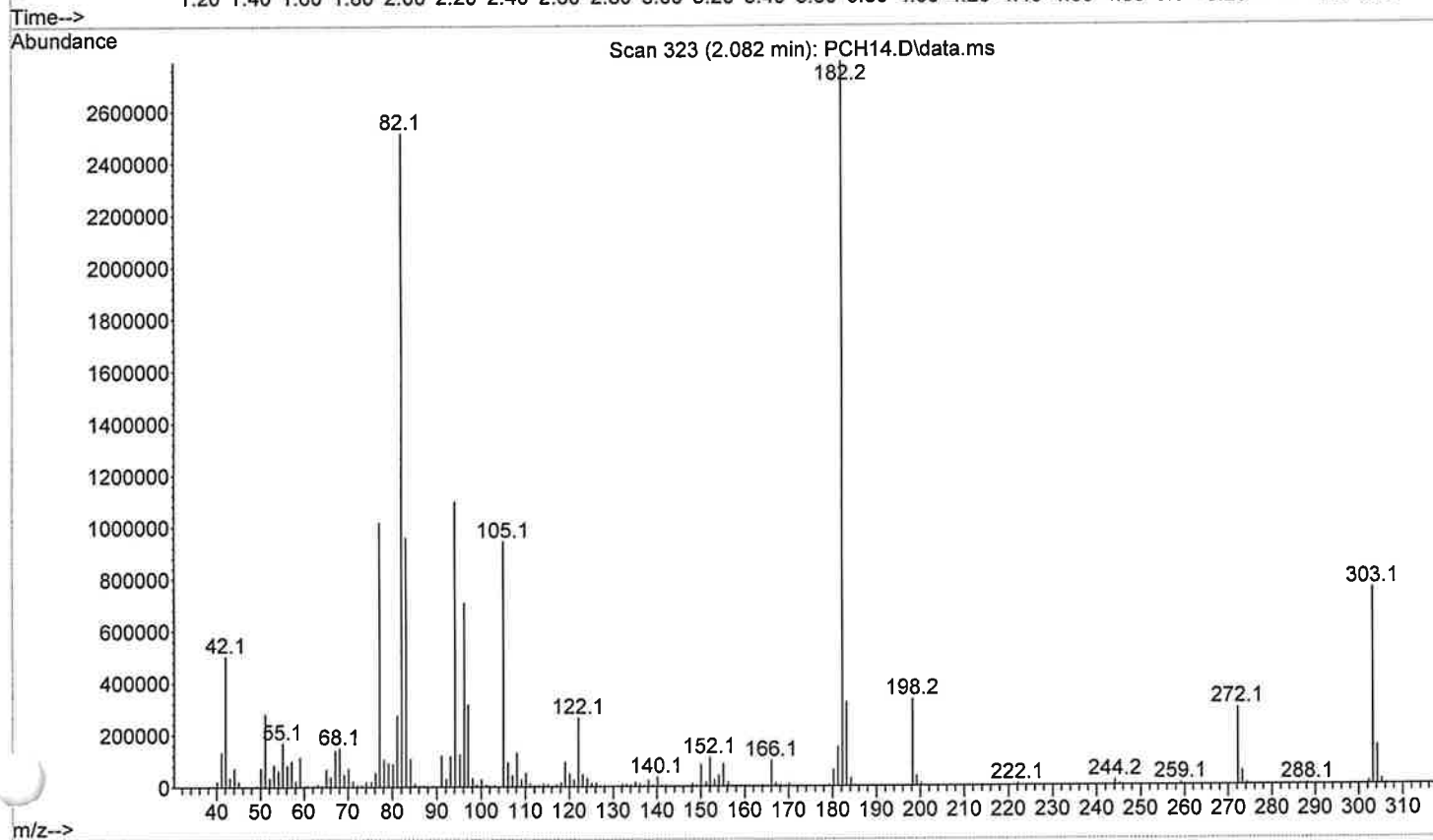
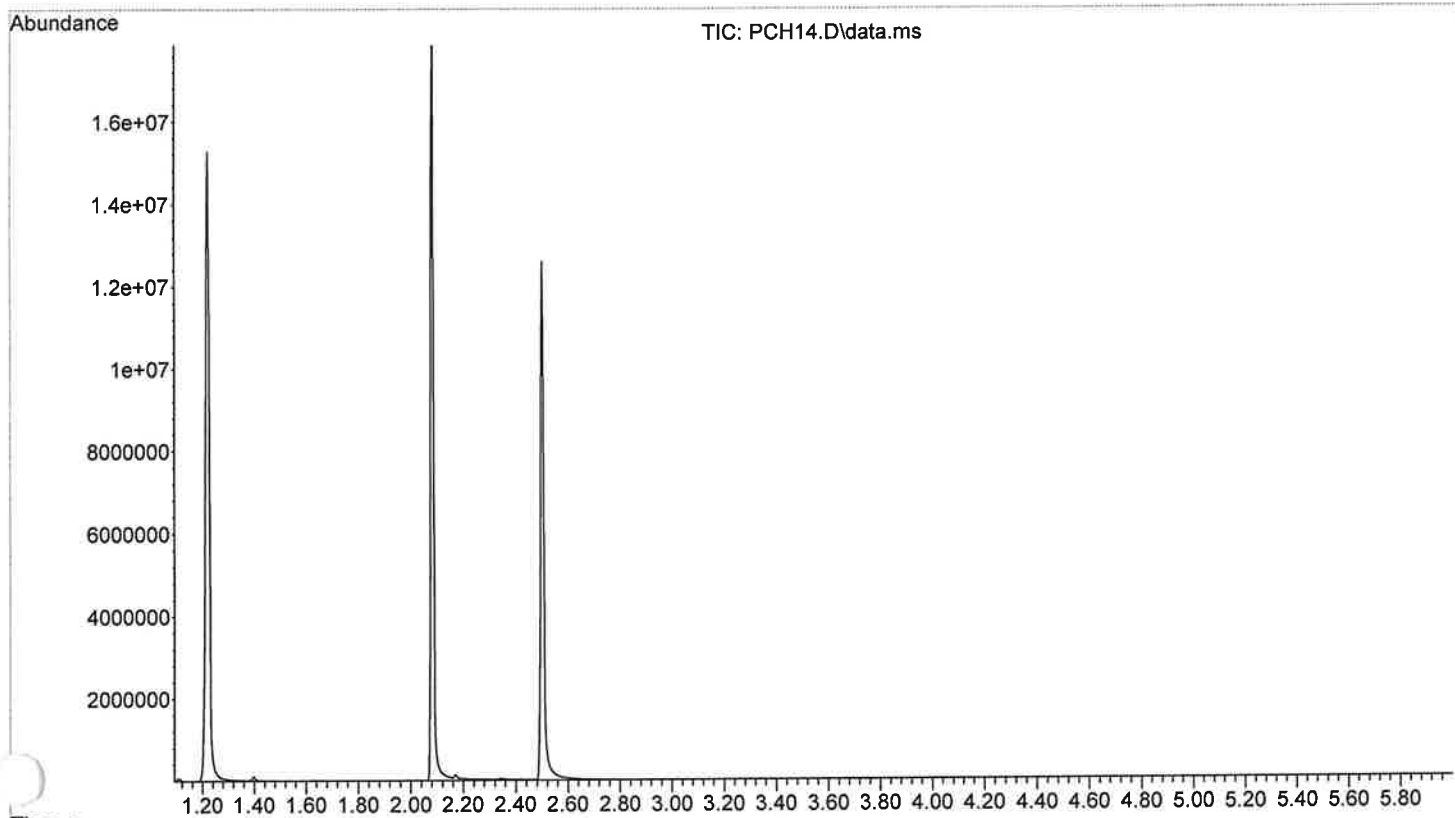
File :X:\2023\GJG\MSB23.D
Operator :
Acquired : 10 Mar 2023 17:29 using AcqMethod MS200TR.M
Instrument : Donna2
Sample Name: MEOH B FOR CALIBRATION STANDARD wash51
Misc Info : 200-280
View Number: 1



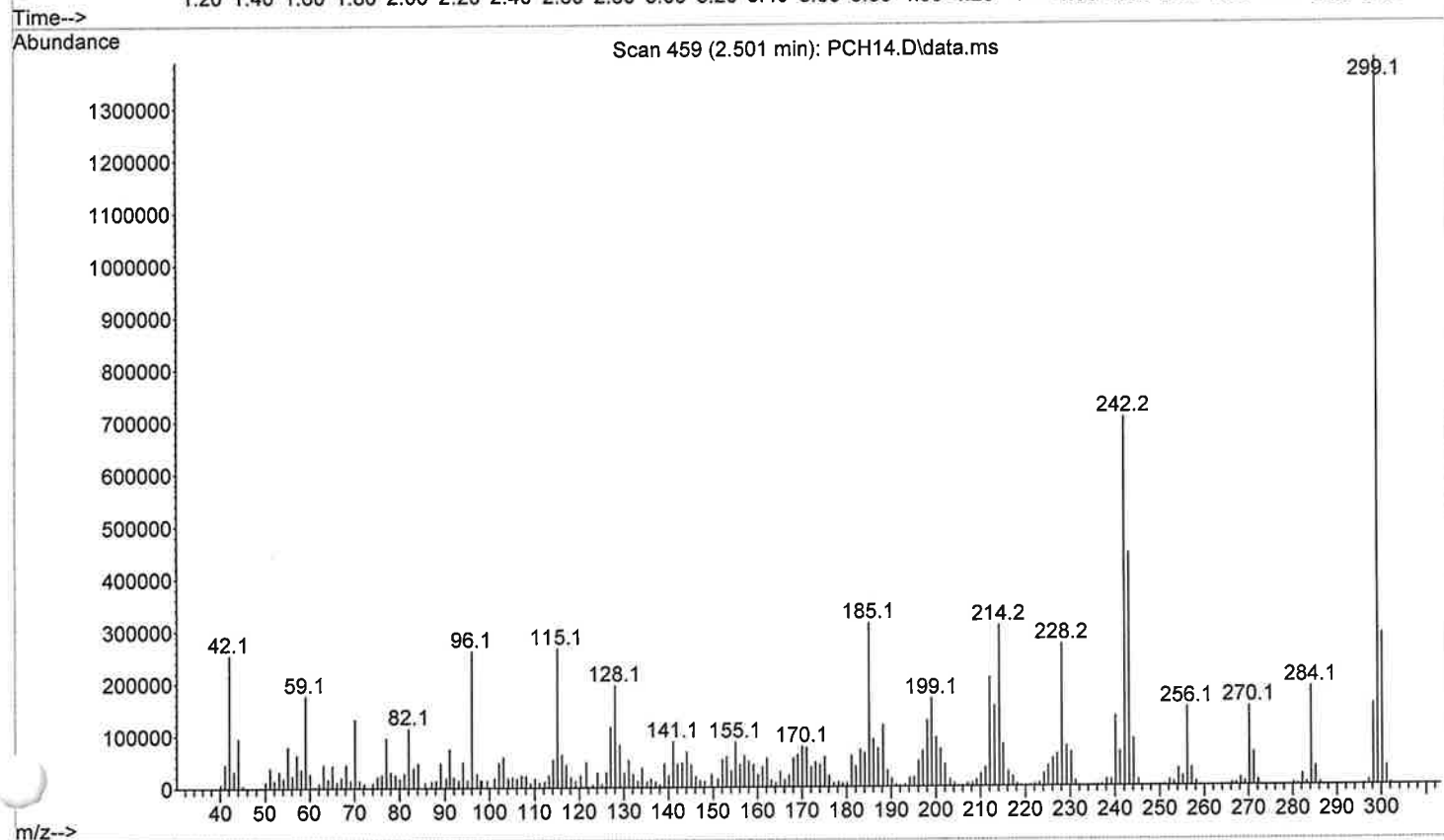
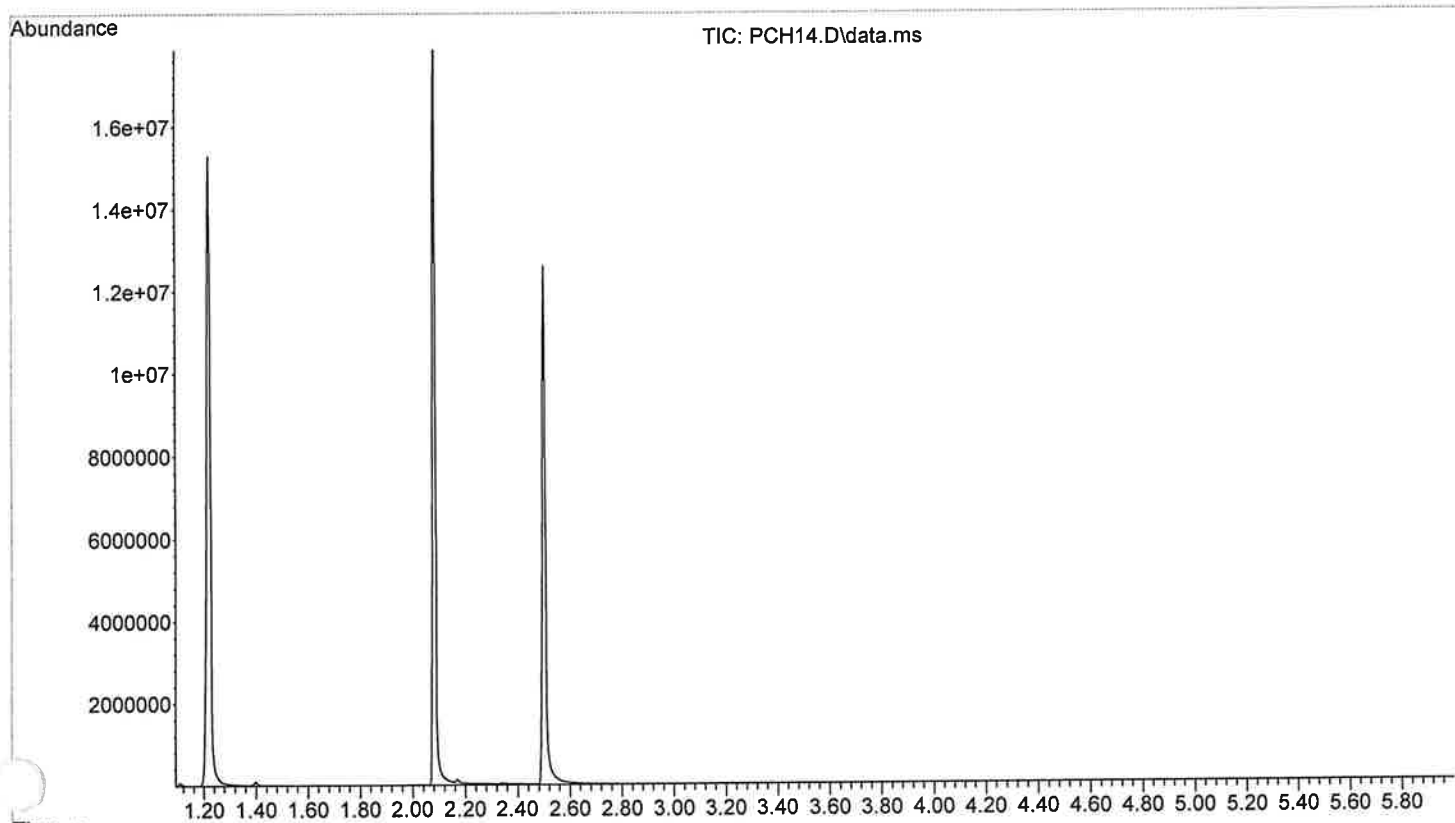
File :X:\2023\GJG\PCH14.D
Operator :
Acquired : 10 Mar 2023 17:38 using AcqMethod MS200TR.M
Instrument : Donna2
Sample Name: CALIBRATION STANDARD -- 200-280 wash51
Miss Info : PETHIDINE / COCAINE / HYDROCODONE
Vi Number: 1



File :X:\2023\GJG\PCH14.D
Operator :
Acquired : 10 Mar 2023 17:38 using AcqMethod MS200TR.M
Instrument : Donna2
Sample Name: CALIBRATION STANDARD -- 200-280 wash51
Mi Info : PETHIDINE / COCAINE / HYDROCODONE
Vi Number: 1



File :X:\2023\GJG\PCH14.D
Operator :
Acquired : 10 Mar 2023 17:38 using AcqMethod MS200TR.M
Instrument : Donna2
Sample Name: CALIBRATION STANDARD -- 200-280 wash51
Mi Info : PETHIDINE / COCAINE / HYDROCODONE
Vi Number: 1



METHOD CONTROL PARAMETERS

Method Information for: E:\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:

Auto Sample MS Drugs100-280 10 minutes

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	E:\methods\ASMSDRUGS100.M
Tune file	atune.u
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
Acquisition Type	Scan
Stop time (min)	650.00
Solvent delay (min)	1.00
Trace Ion Detection	False
Delta EMV	0
EM Saver	False
EM Saver Limit	N/A

Scan Time Segments

Time	Start Mass	End Mass	Threshold	Scan Speed
1.00	40	550	150	3,125 [N=1]

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
Extracted Ion	Scan 1-2	40	550

Self-Cleaning Ion Source Parameters

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

E:\methods\ASMSDRUGS100.M
Mon Mar 13 17:46:38 2023

Control Information

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

No Sample Prep method has been assigned to this method.

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

Oven
Temperature
Setpoint On
(Initial) 100 °C
Hold Time 1 min
Post Run 0 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 6.43 min

Equilibration Time 0.5 min
Max Temperature 305 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Injection Repetitions 1
Injection Delay 0 sec
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 2
Solvent A Volume 8 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 2
Solvent B Volume 8 µL
Sample Washes 1
Sample Wash Volume 8 µL
Sample Pumps 2
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 300 µL/min
Solvent Wash Dispense Speed 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

Solvent Wash Mode

A, B

Back Injector

Syringe Size	10 µL
Injection Volume	1 µL
Injection Repetitions	1
Injection Delay	0 sec
Solvent A Washes (PreInj)	2
Solvent A Washes (PostInj)	0
Solvent A Volume	8 µL
Solvent B Washes (PreInj)	2
Solvent B Washes (PostInj)	0
Solvent B Volume	8 µL
Sample Washes	0
Sample Wash Volume	8 µL
Sample Pumps	6
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Solvent Wash Mode	A, B

ALS Errors

Pause for user interaction

Front SS Inlet He

Mode	Split
Heater	On 250 °C
Pressure	On 10.401 psi
Gas Saver	Off
Split Ratio	50 :1
Split Flow	48.428 mL/min
Liner	A Liner has not been selected.

Back SS Inlet He

Mode	Split
Heater	On 250 °C
Pressure	On 6.7158 psi
Gas Saver	Off
Split Ratio	50 :1
Split Flow	50.309 mL/min
Liner	A Liner has not been selected.

Thermal Aux 2 (MSD Transfer Line)

Temperature	On
Setpoint	280 °C
(Initial)	
Hold Time	0 min

Column

Column #1	
Flow	
Setpoint	On
(Initial)	0.96856 mL/min
Hold Time	0 min
Post Run	0.969 mL/min

Column Information

Temperature Range	J&W01
	-60 °C-305 °C (305 °C)

Dimensions	12.5 m x 200 µm x 0.33 µm
Column lock	Unlocked
In	Front SS Inlet He
Out	MSD
Column Outlet Pressure	MSD
(Initial)	100 °C
Pressure	10.402 psi
Flow	0.96856 mL/min
Average Velocity	56.859 cm/sec
Holdup Time	0.3664 min
Control Mode	Constant Flow
Column #2	
Pressure	
Setpoint	On
(Initial)	6.7158 psi
Hold Time	0 min
Post Run	0 psi
Column Information	AB003
Temperature Range	-60 °C-305 °C (305 °C)
Dimensions	30 m x 320 µm x 1 µm
Column lock	Unlocked
In	Back SS Inlet He
Out	Front Detector FID
Column Outlet Pressure	0 psi
(Initial)	100 °C
Pressure	6.7158 psi
Flow	1.0062 mL/min
Average Velocity	21.266 cm/sec
Holdup Time	2.3512 min
Control Mode	Ramped Pressure
Front Detector FID	
Makeup	He
Water	On 250 °C
#2 Flow	Off
Air Flow	Off
Makeup Flow	On 45 mL/min
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	Off
Signals	
Signal #1: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	Off
Data Rate	20 Hz
Dual Injection Assignment	Front Sample
Signal #2: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	Off
Data Rate	20 Hz
Dual Injection Assignment	Back Sample

Column 1 Inventory Number :
Column 2 Inventory Number :

TUNE PARAMETERS for SN: US10423616

Trace Ion Detection is OFF.

34.610	:	EMISSION	
70.347	:	ENERGY	
33.279	:	REPELLER	
90.157	:	IONFOCUS	
22.000	:	ENTRANCE_LENS	
894.118	:	EMVOLTS	
		1023.529	: Actual EMV
		0.99	: GAIN FACTOR
1672.000	:	AMUGAIN	
120.500	:	AMUOFFSET	
2.000	:	FILAMENT	
0.000	:	DCPOLARITY	
19.075	:	ENTLENSOFFSET	
-820.000	:	MASSGAIN	
-32.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

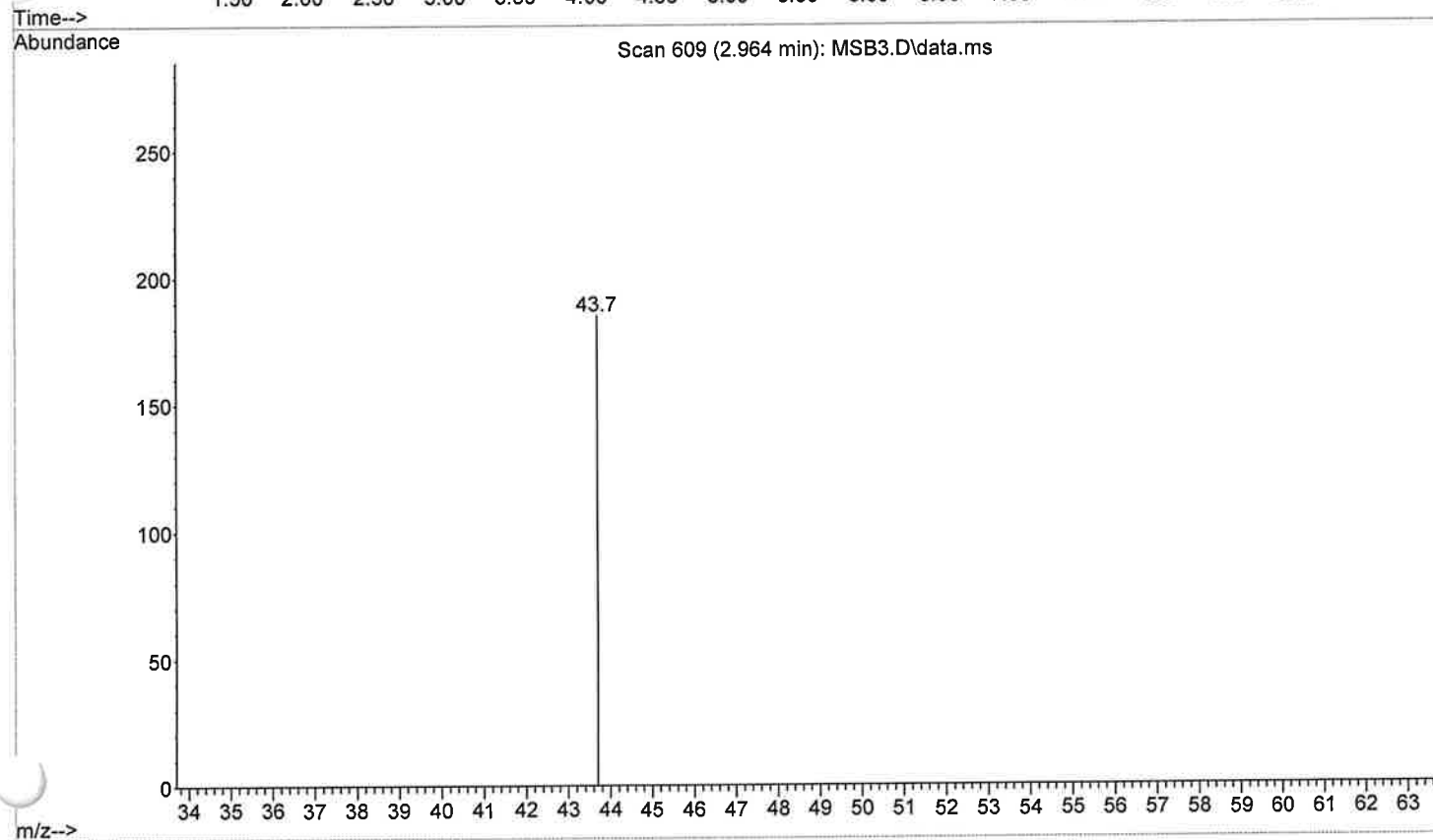
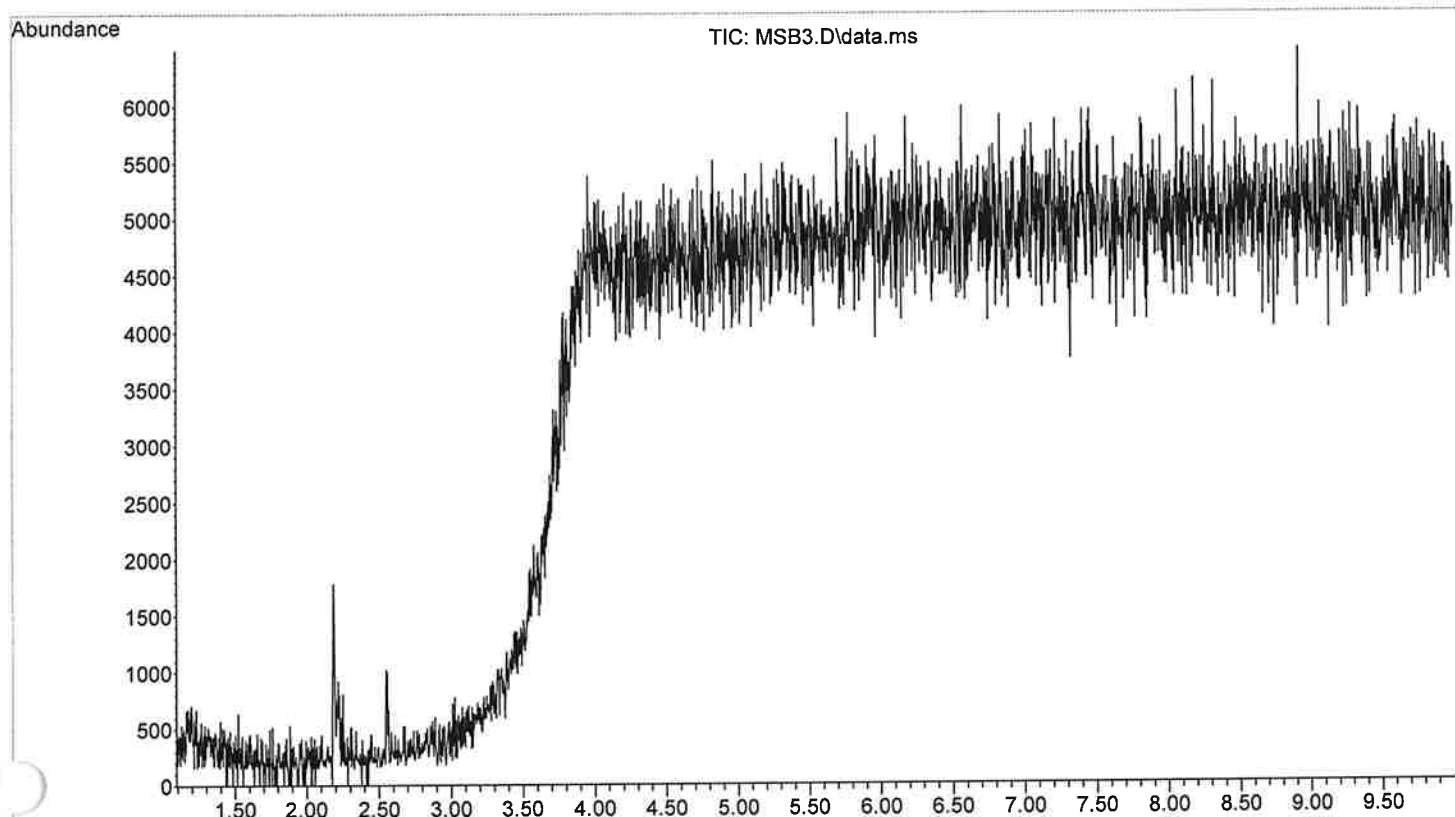
Method Path : E:\methods\
Method File : ASMSDRUGS100.M
Title :
st Update :
Response Via : Initial Calibration

Total Cpnds : 0

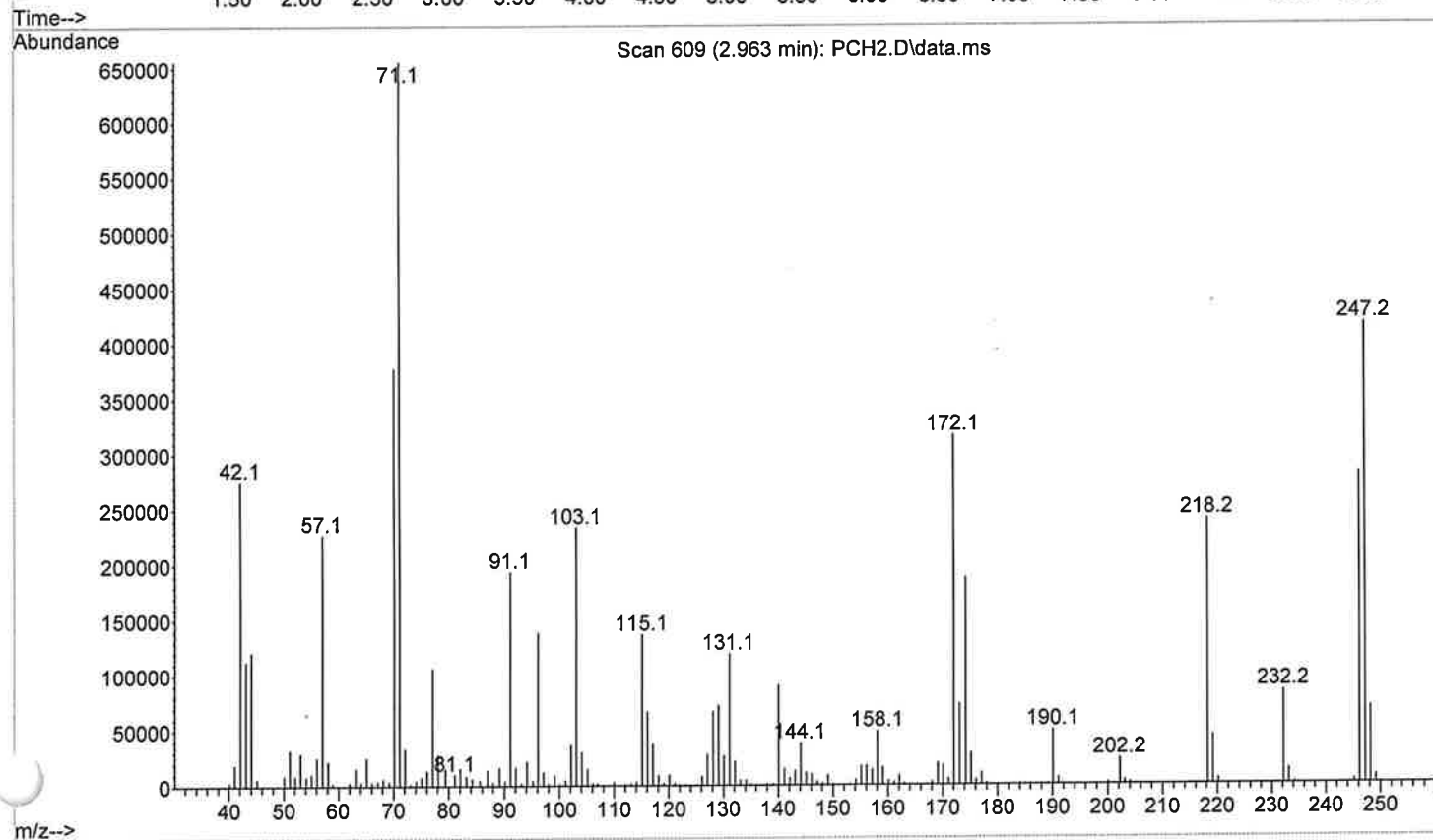
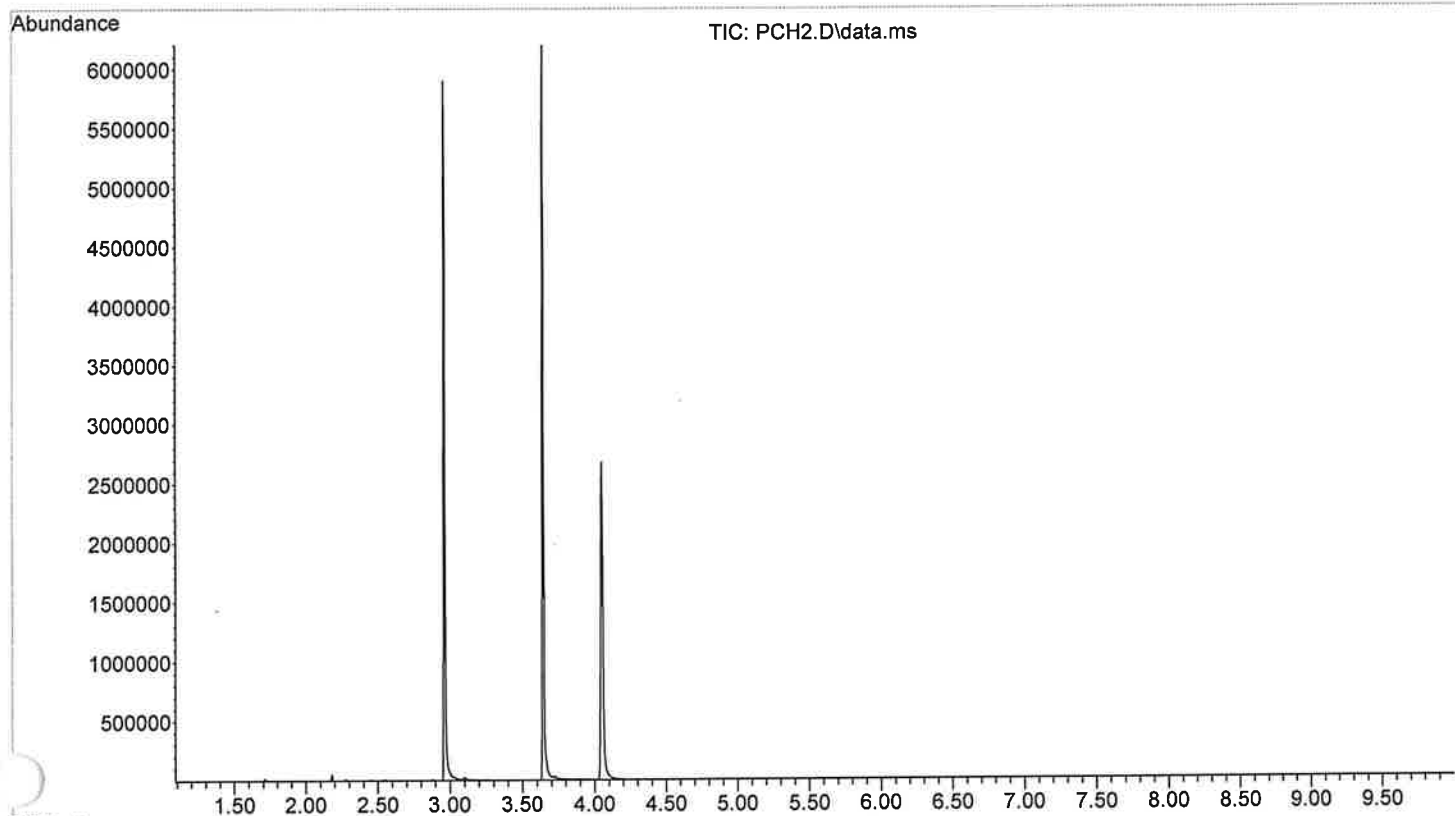
PK#	Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
-----	---------------	------	--------	--------	-----	-------	-----	----

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

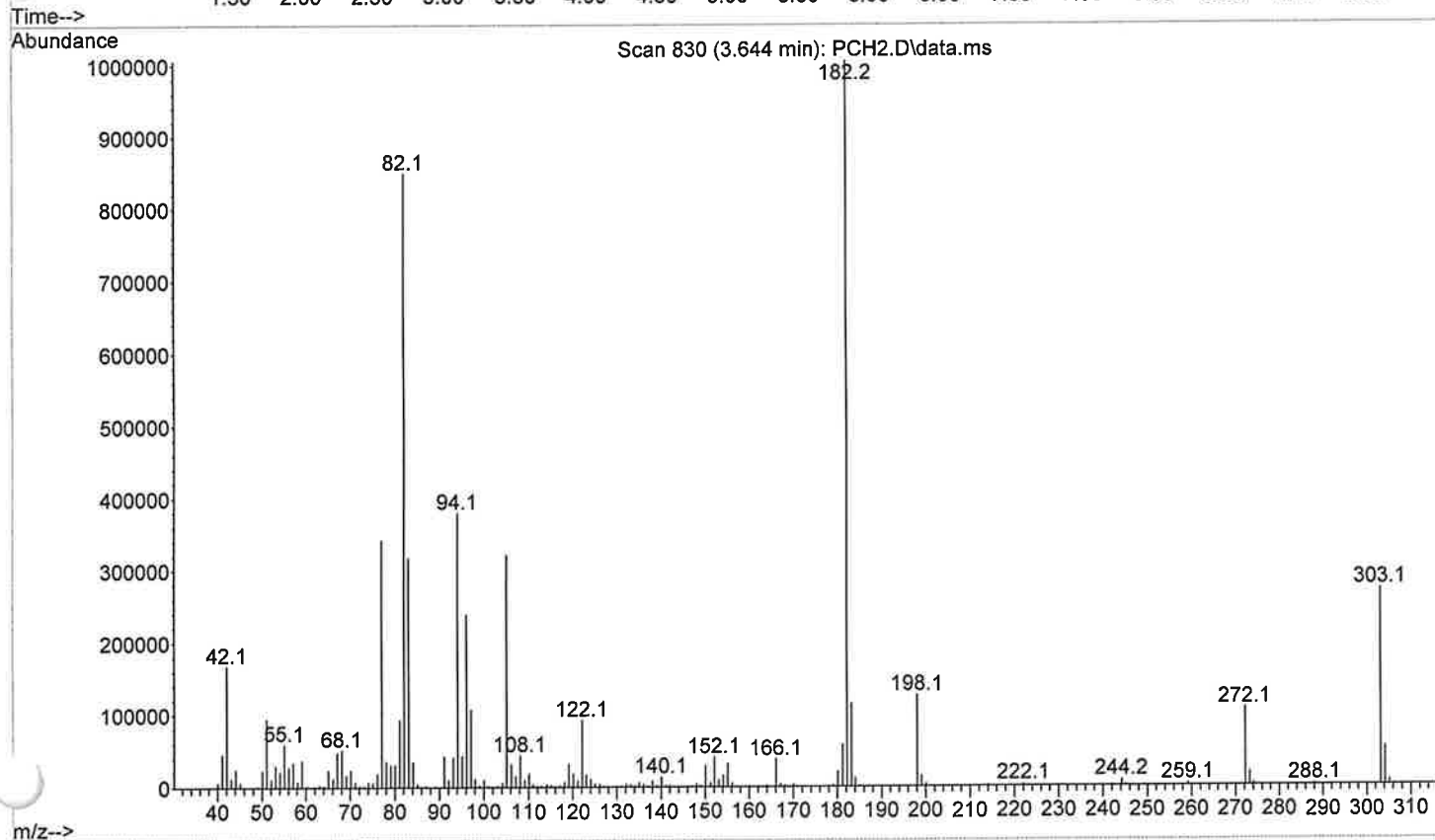
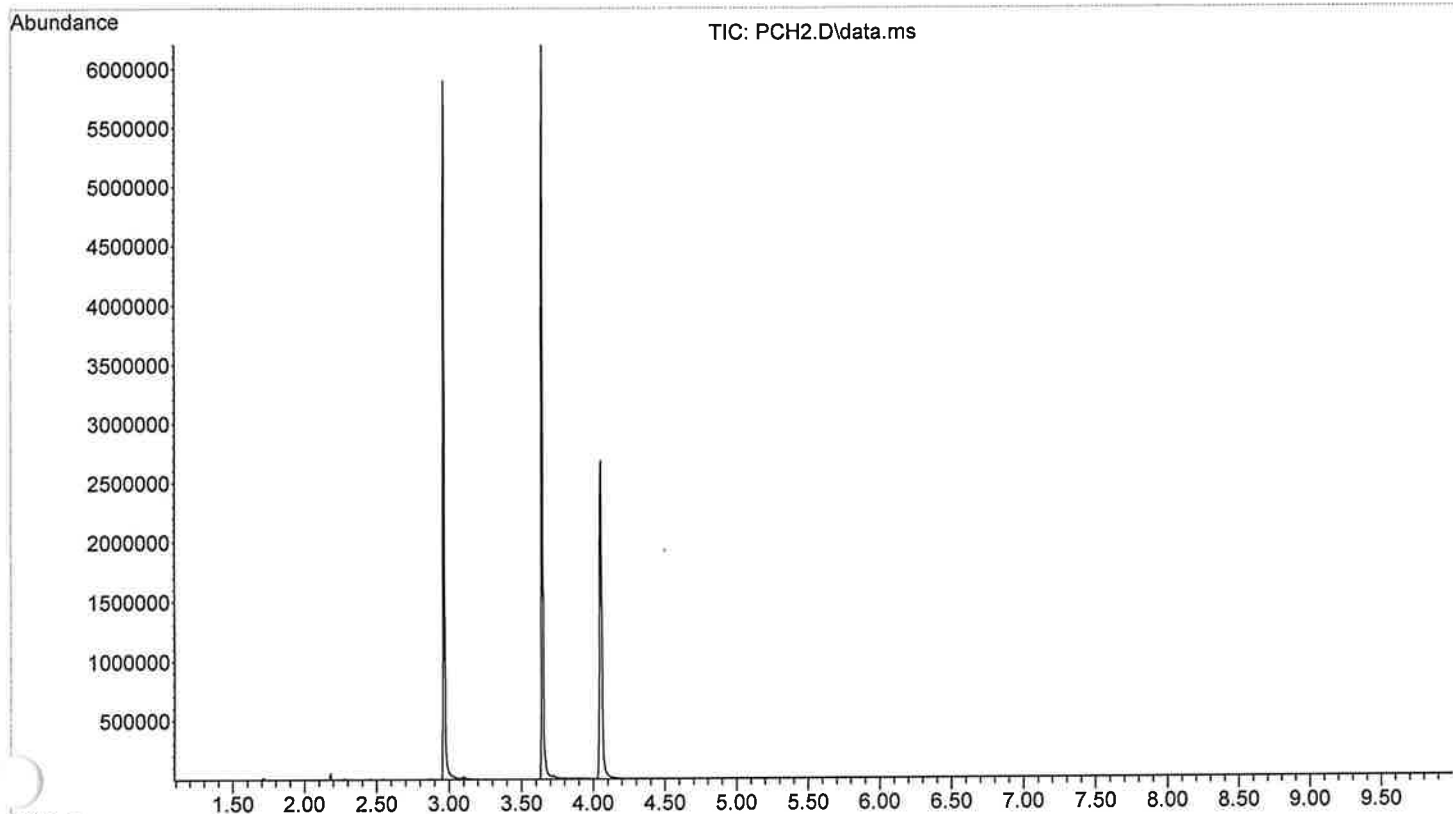
File :X:\2023\GJG\2-13-23\MV213\MSB3.D
Operator :
Acquired : 15 Feb 2023 11:36 using AcqMethod ASMSDRUGS100.M
Instrument : Donna2
Sample Name: MEOH B FOR CALIBRATION STANDARD
Misc Info : 100-280
Vial Number: 2



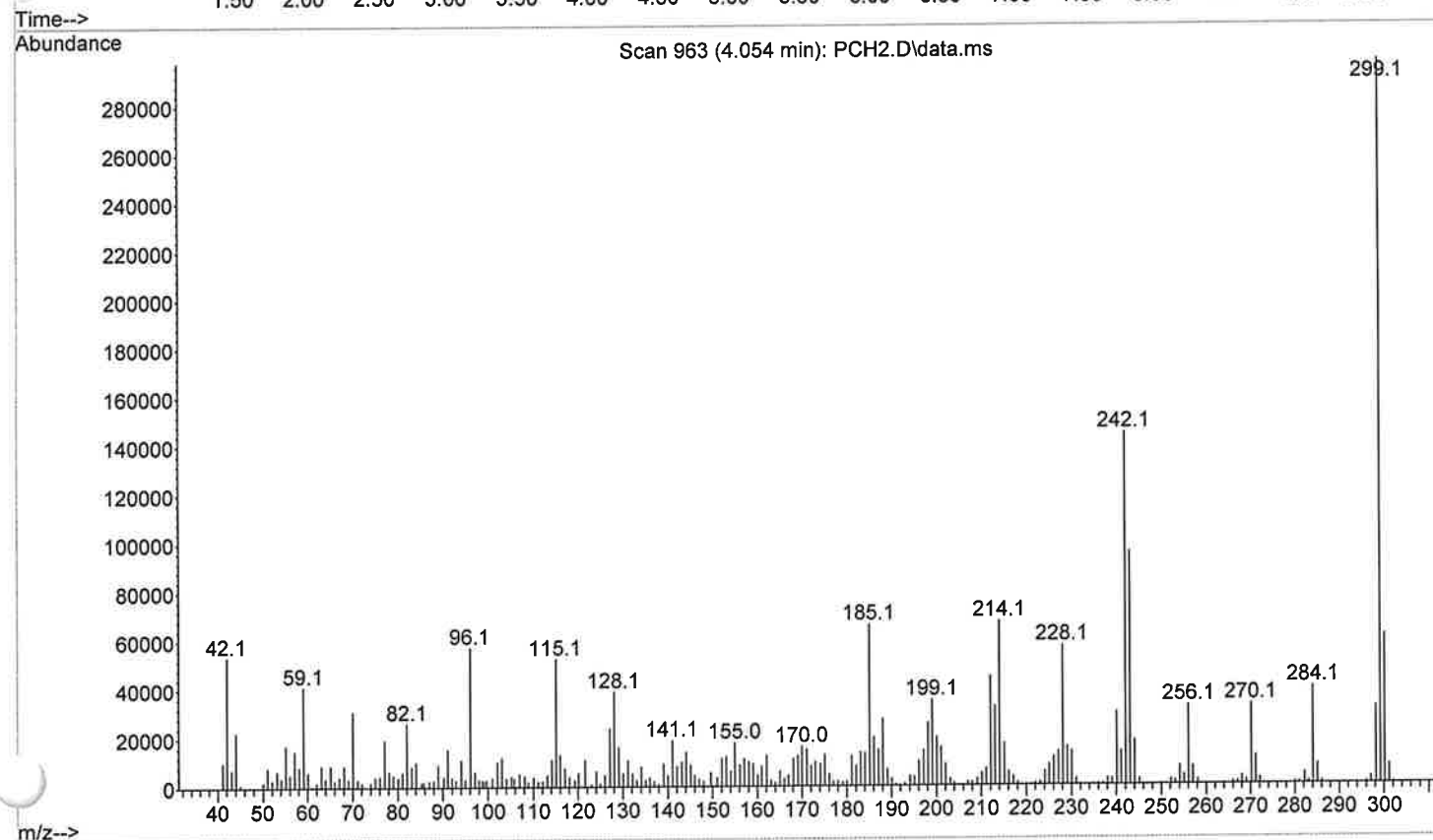
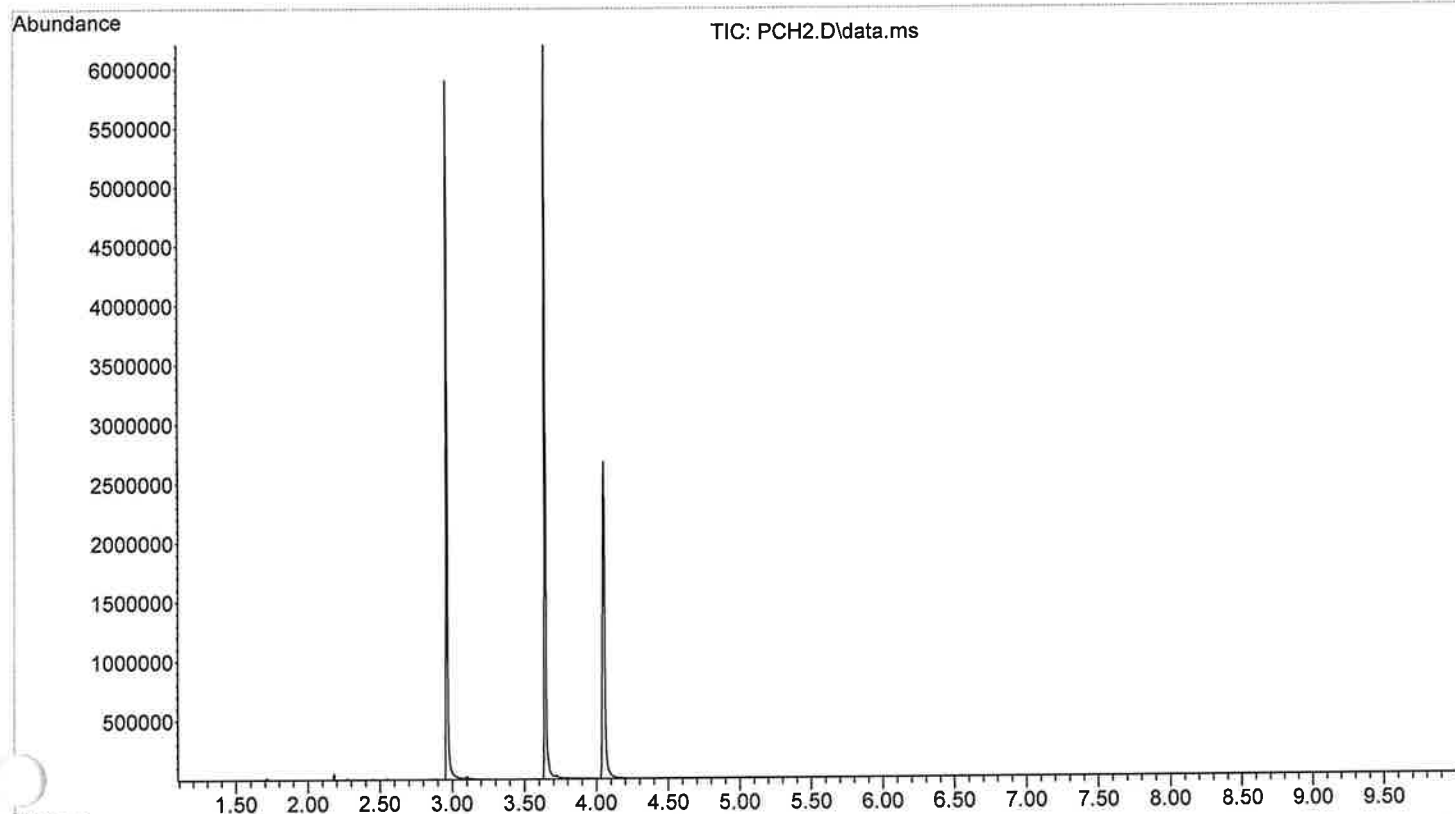
File :X:\2023\GJG\2-13-23\MV213\PCH2.D
Operator :
Acquired : 15 Feb 2023 11:50 using AcqMethod ASMSDRUGS100.M
Instrument : Donna2
Sample Name: CALIBRATION STANDARD -- 100-280
Mi Info : PETHIDINE / COCAINE / HYDROCODONE
Vi Number: 3



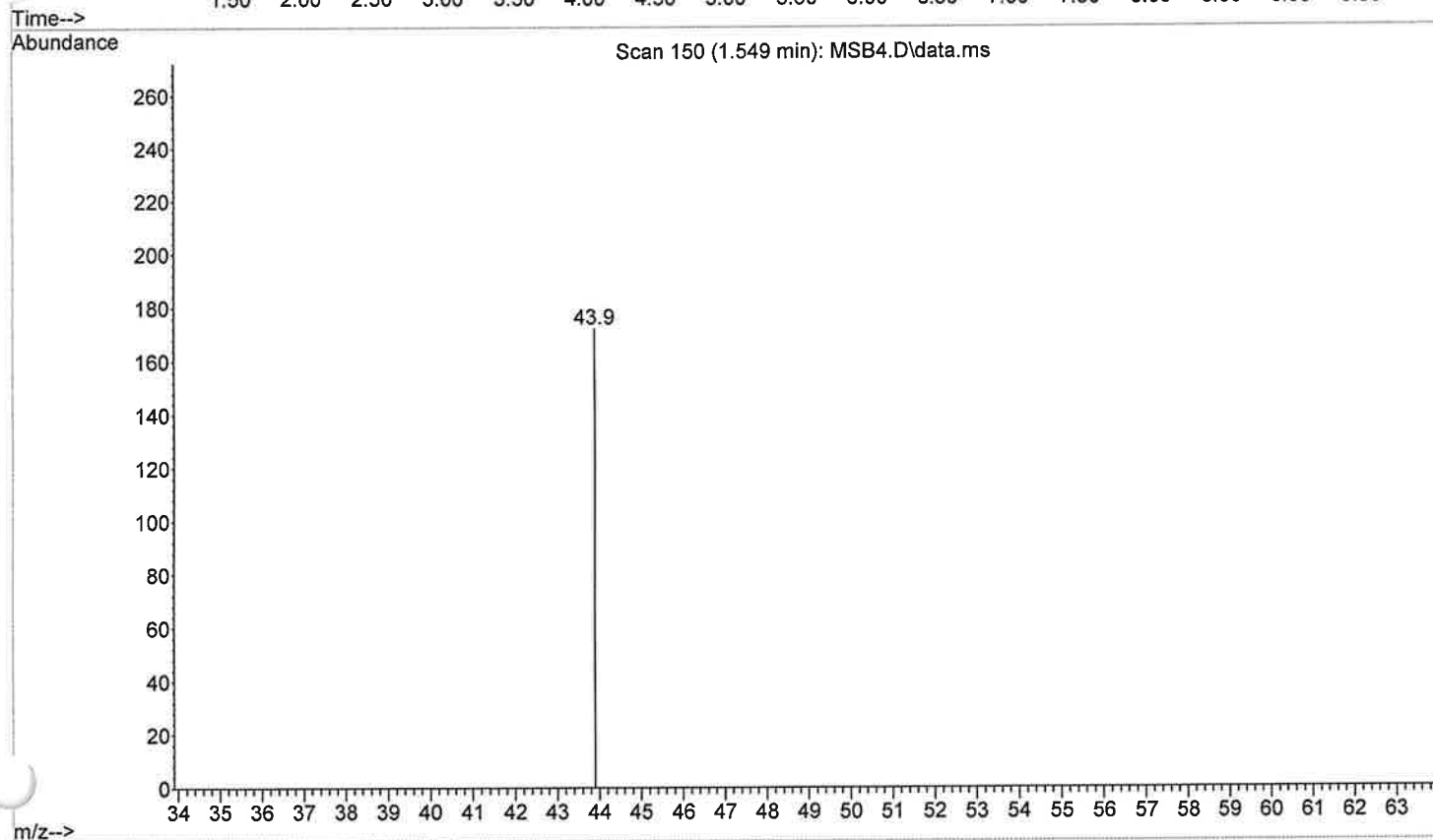
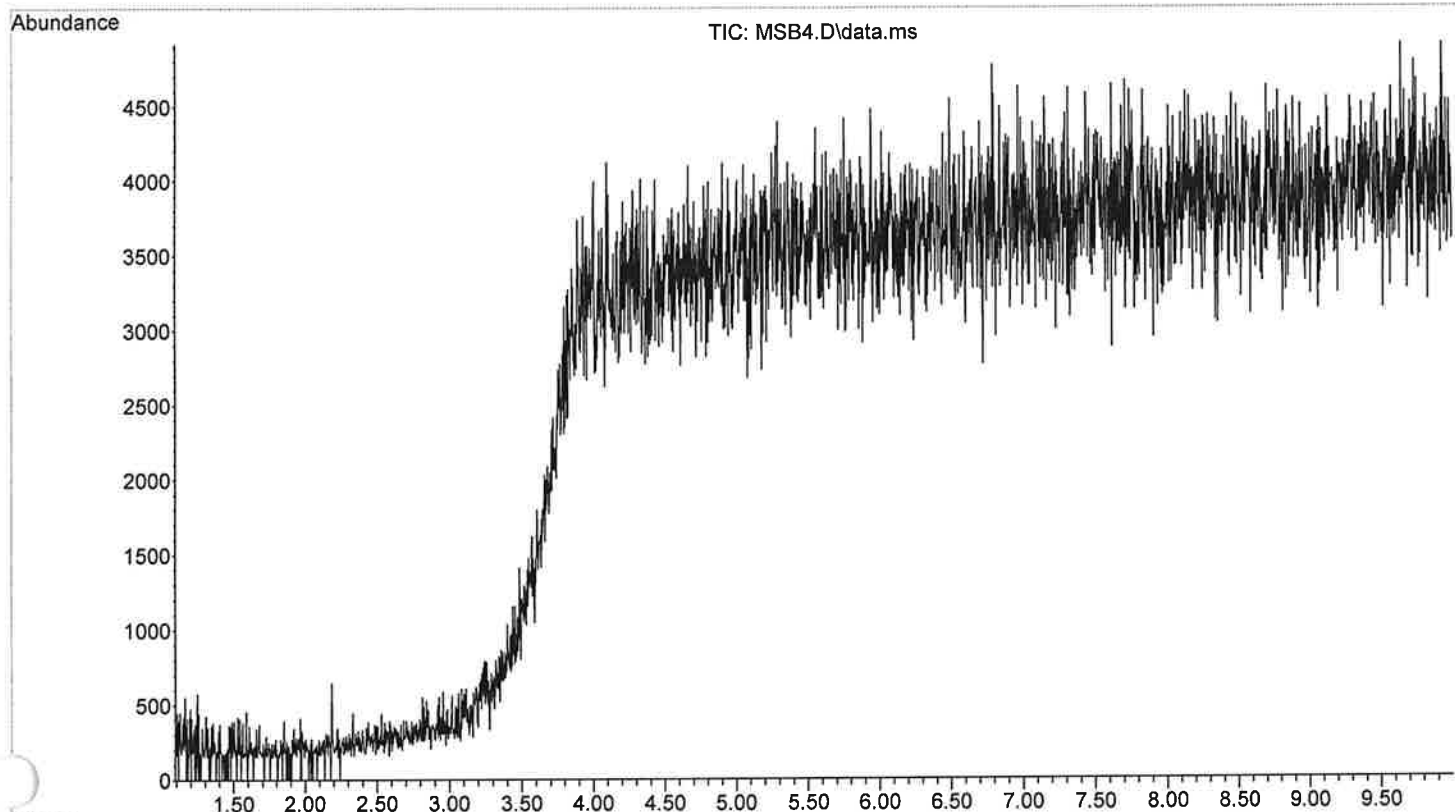
File :X:\2023\GJG\2-13-23\MV213\PCH2.D
Operator :
Acquired : 15 Feb 2023 11:50 using AcqMethod ASMSDRUGS100.M
Instrument : Donna2
Sample Name: CALIBRATION STANDARD -- 100-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
V: Number: 3



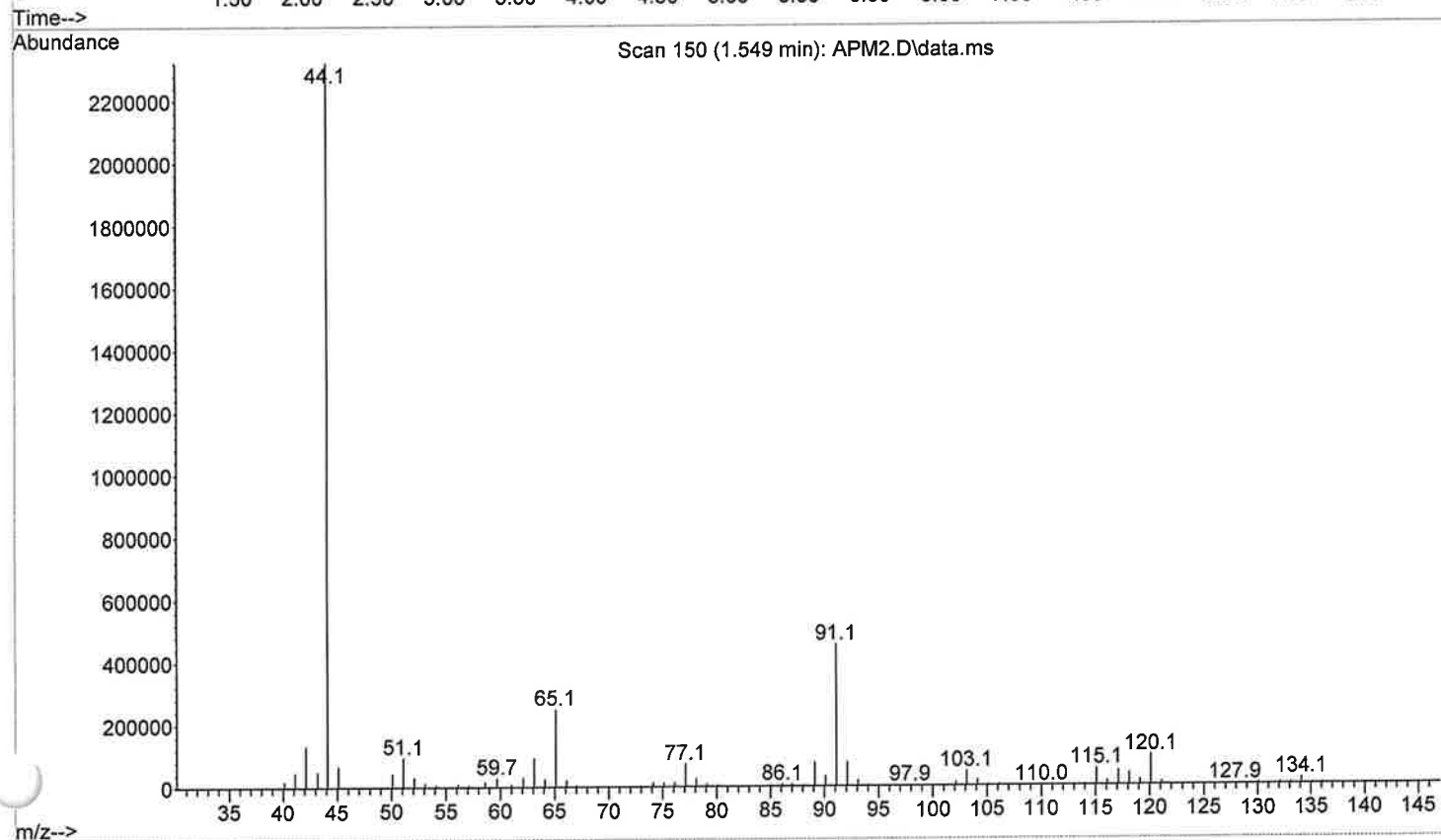
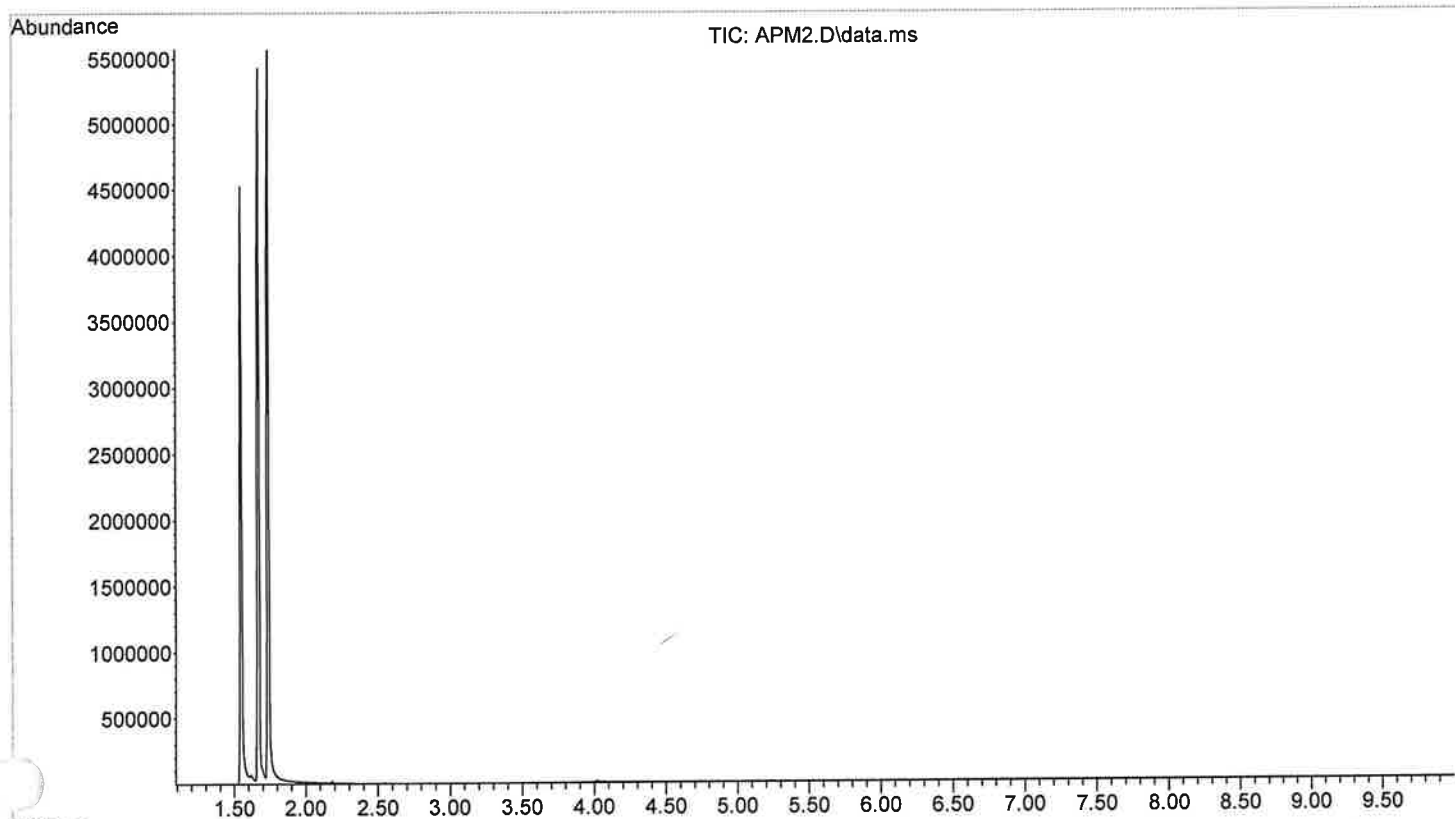
File :X:\2023\GJG\2-13-23\MV213\PCH2.D
Operator :
Acquired : 15 Feb 2023 11:50 using AcqMethod ASMSDRUGS100.M
Instrument : Donna2
Sample Name: CALIBRATION STANDARD -- 100-280
Mi Info : PETHIDINE / COCAINE / HYDROCODONE
V: Number: 3



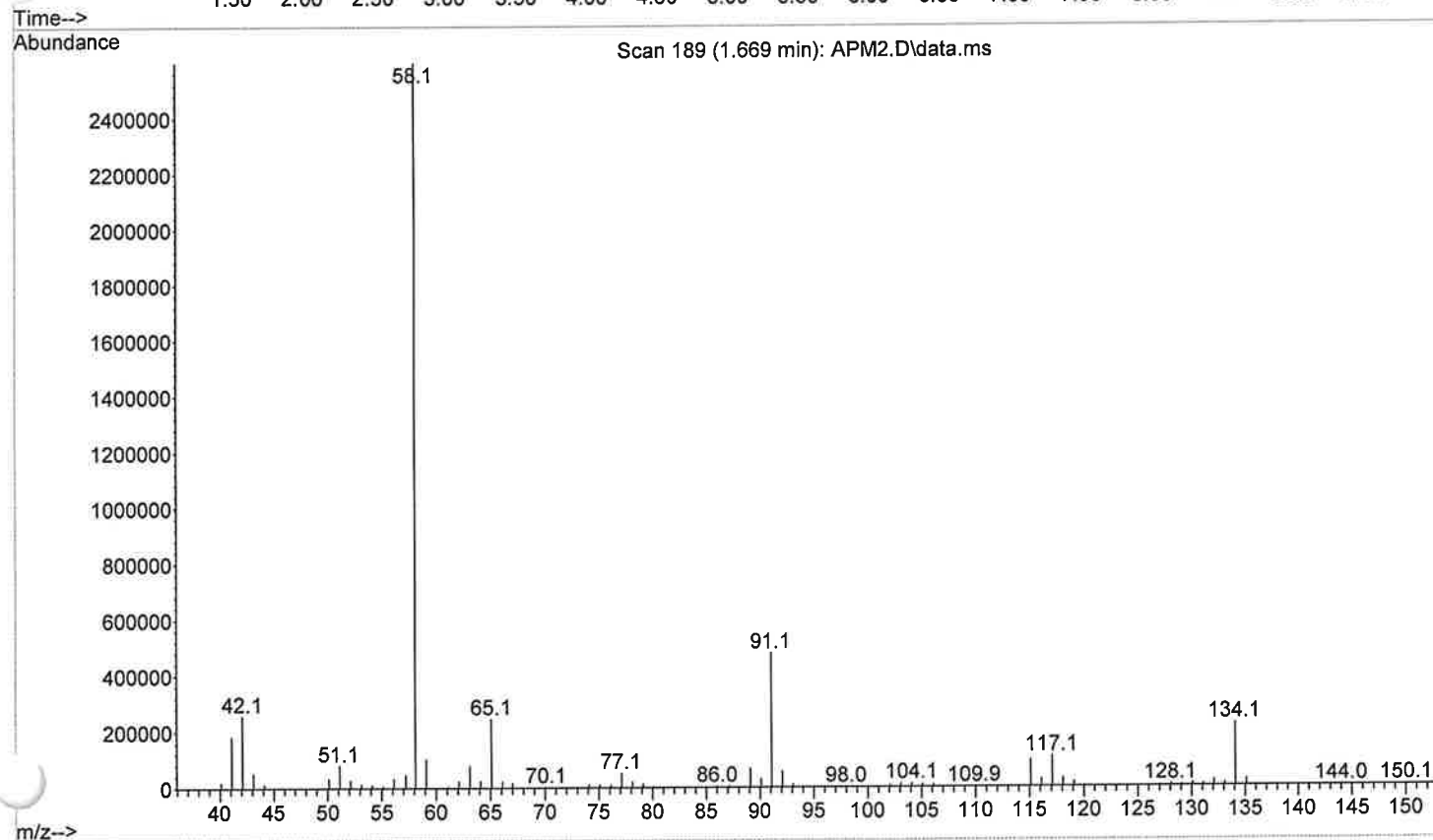
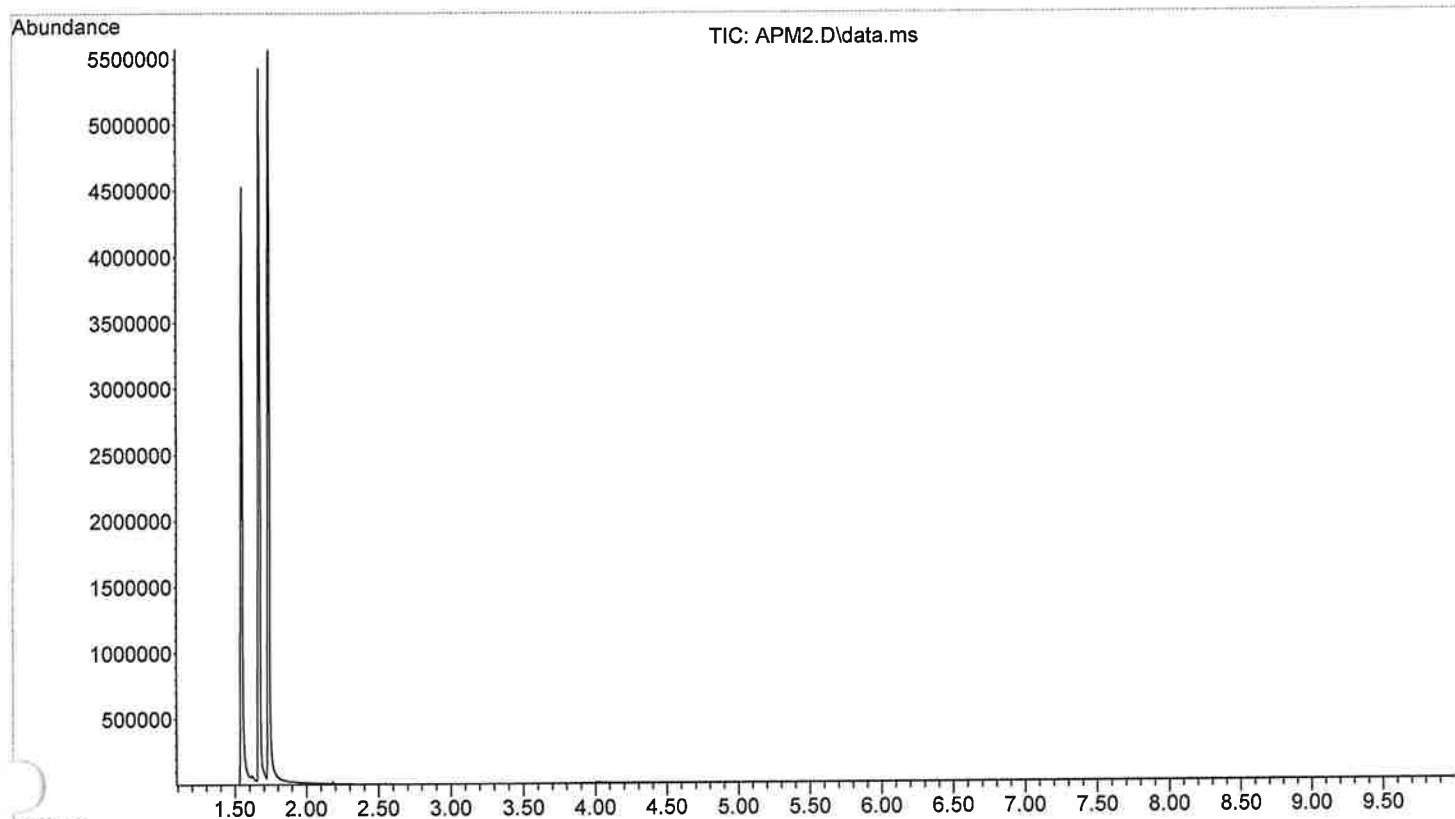
File :X:\2023\GJG\2-13-23\MV213\MSB4.D
Operator :
Acquired : 15 Feb 2023 12:18 using AcqMethod ASMSDRUGS100.M
Instrument : Donna2
Sample Name: MEOH B FOR GC/IR TEST SOLUTION
Misc Info : 100-280
V. Number: 2



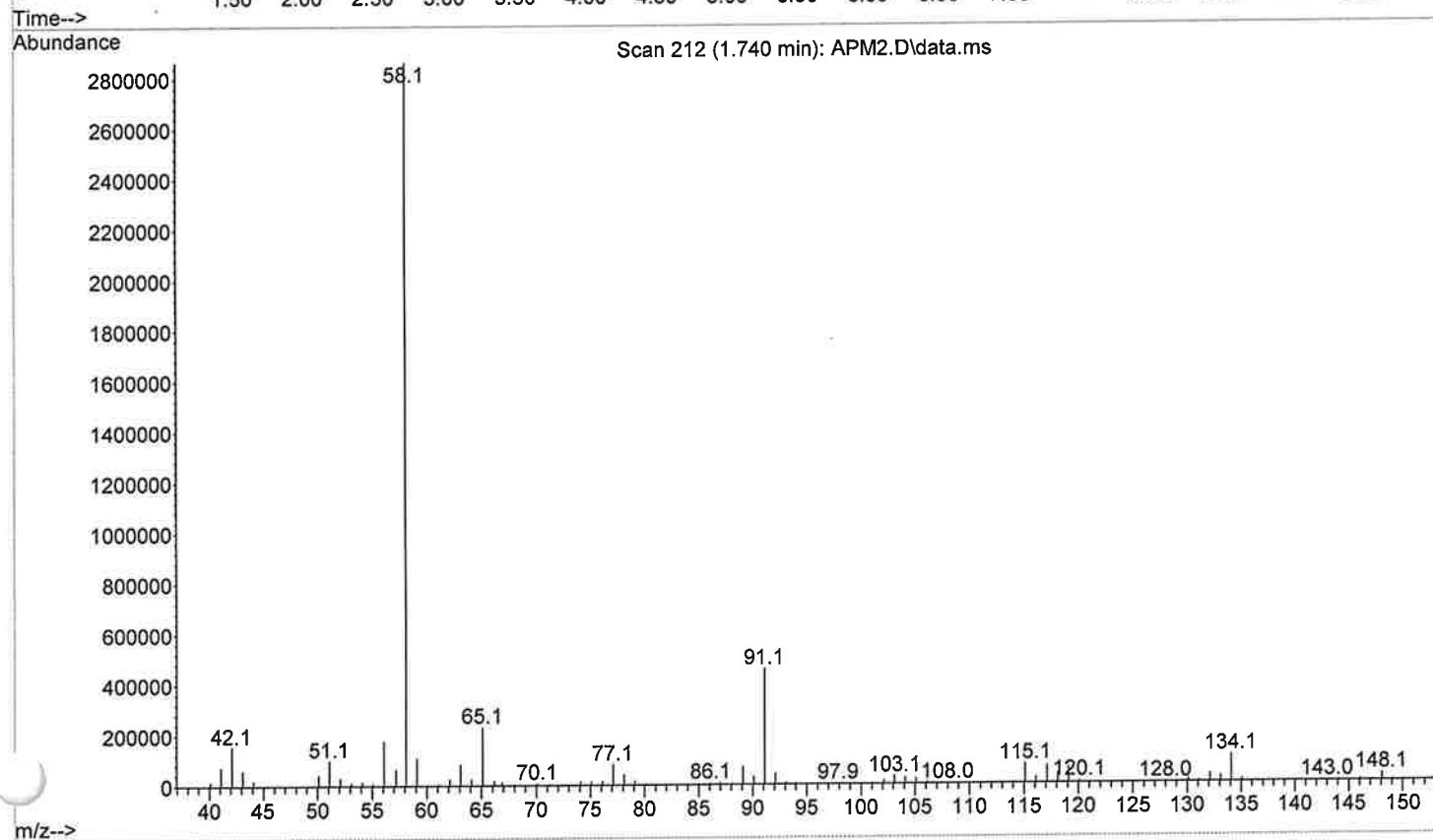
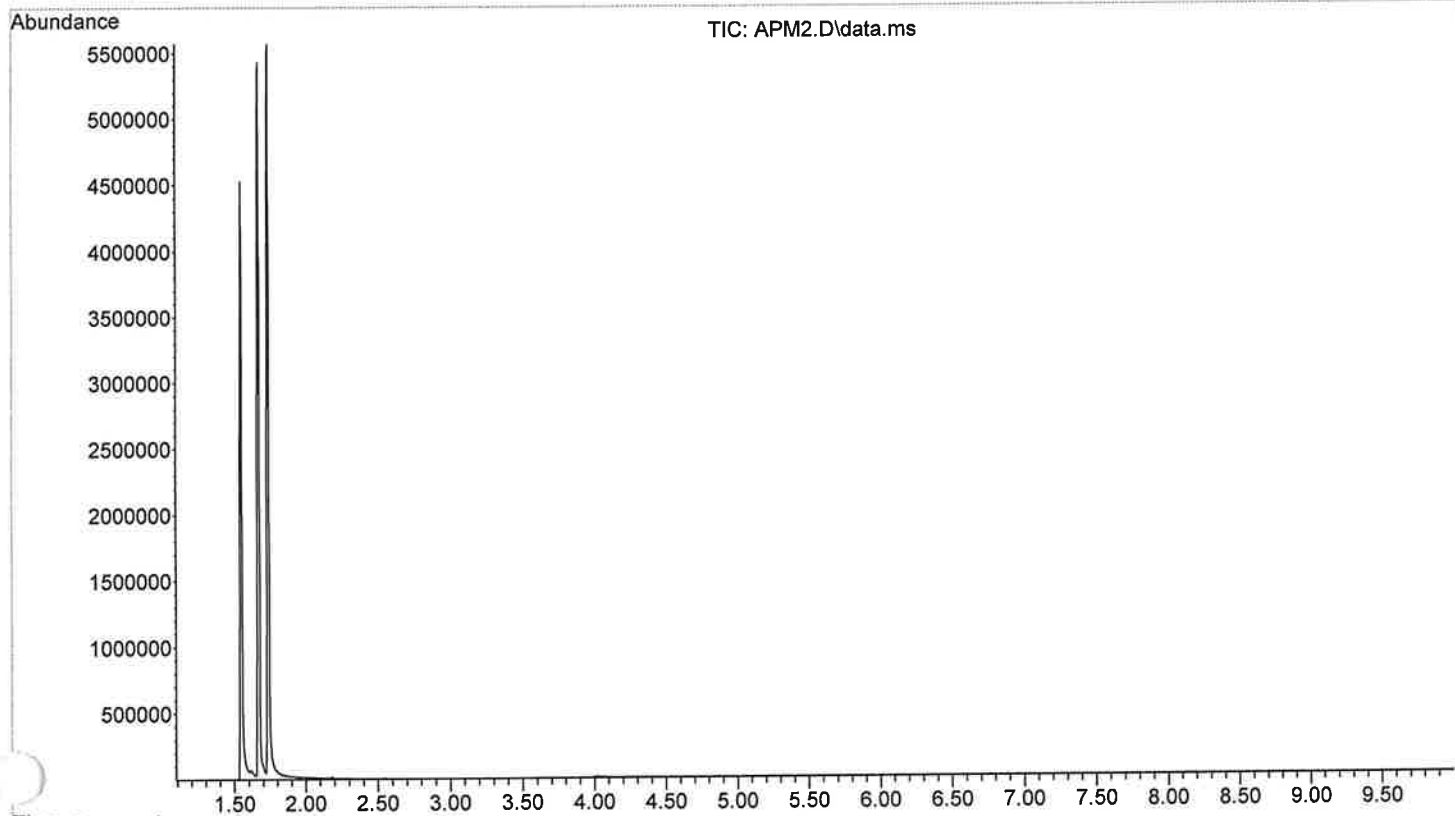
File :X:\2023\GJG\2-13-23\MV213\APM2.D
Operator :
Acquired : 15 Feb 2023 12:32 using AcqMethod ASMSDRUGS100.M
Instrument : Donna2
Sample Name: GC/IR TEST SOLUTION -- 100-280
Mix Info : AMPHETAMINE / PHENTERMINE / METHAMPHETAMINE
Vial Number: 4



File :X:\2023\GJG\2-13-23\MV213\APM2.D
Operator :
Acquired : 15 Feb 2023 12:32 using AcqMethod ASMSDRUGS100.M
Instrument : Donna2
Sample Name: GC/IR TEST SOLUTION -- 100-280
Misc Info : AMPHETAMINE / PHENTERMINE / METHAMPHETAMINE
Vial Number: 4



File :X:\2023\GJG\2-13-23\MV213\APM2.D
Operator :
Acquired : 15 Feb 2023 12:32 using AcqMethod ASMSDRUGS100.M
Instrument : Donna2
Sample Name: GC/IR TEST SOLUTION -- 100-280
Mi Info : AMPHETAMINE / PHENTERMINE / METHAMPHETAMINE
Vi Number: 4



METHOD CONTROL PARAMETERS

Method Information for: E:\methods\ASMSDRUGS200.M

Method Sections To Run:

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

Method Comments:

Auto Sample MS Drugs200-280 10 minutes

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	E:\methods\ASMSDRUGS200.M
Tune file	atune.u
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
Acquisition Type	Scan
Stop time (min)	650.00
Solvent delay (min)	1.00
Trace Ion Detection	False
Delta EMV	0
EM Saver	False
EM Saver Limit	N/A

Scan Time Segments

Time	Start Mass	End Mass	Threshold	Scan Speed
1.00	40	550	150	3,125 [N=1]

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
Extracted Ion	Scan 1-2	40	550

Self-Cleaning Ion Source Parameters

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

E:\methods\ASMSDRUGS200.M
Mon Mar 13 17:48:56 2023

Control Information

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

No Sample Prep method has been assigned to this method.

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

Oven
Temperature
Setpoint On
(Initial) 200 °C
Hold Time 1 min
Post Run 0 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 7.86 min

Equilibration Time 0.5 min
x Temperature 305 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Injection Repetitions 1
Injection Delay 0 sec
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 2
Solvent A Volume 8 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 2
Solvent B Volume 8 µL
Sample Washes 1
Sample Wash Volume 8 µL
Sample Pumps 2
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 300 µL/min
Solvent Wash Dispense Speed 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

Solvent Wash Mode

A, B

Back Injector
Syringe Size 10 µL
Injection Volume 1 µL
Injection Repetitions 1
Injection Delay 0 sec
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 0
Solvent A Volume 8 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 0
Solvent B Volume 8 µL
Sample Washes 0
Sample Wash Volume 8 µL
Sample Pumps 6
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 300 µL/min
Solvent Wash Dispense Speed 6000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 6000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Solvent Wash Mode A, B

ALS Errors

Pause for user interaction

Front SS Inlet He
Mode

Split

Heater

On 250 °C

Pressure

On 15.94 psi

Gas Saver

Off

Split Ratio

50 :1

Split Flow

48.428 mL/min

Liner

A Liner has not been selected.

Back SS Inlet He

Split

Mode

On 250 °C

Heater

On 6.7158 psi

Pressure

Off

Gas Saver

50 :1

Split Ratio

33.761 mL/min

Split Flow

A Liner has not been selected.

Liner

Thermal Aux 2 (MSD Transfer Line)

Temperature

On

Setpoint

280 °C

(Initial)

Hold Time

0 min

Column

Column #1

Flow

On

Setpoint

0.96856 mL/min

(Initial)

Hold Time

0 min

Post Run

0.969 mL/min

Column Information

J&W01

Temperature Range

-60 °C-305 °C (305 °C)

Dimensions	12.5 m x 200 µm x 0.33 µm
Column lock	Unlocked
In	Front SS Inlet He
Out	MSD
Column Outlet Pressure	MSD
(Initial)	200 °C
Pressure	15.941 psi
Flow	0.96856 mL/min
Average Velocity	59.061 cm/sec
Holdup Time	0.35275 min
Control Mode	Constant Flow
Column #2	
Pressure	
Setpoint	On
(Initial)	6.7158 psi
Hold Time	0 min
Post Run	0 psi
Column Information	AB003
Temperature Range	-60 °C-305 °C (305 °C)
Dimensions	30 m x 320 µm x 1 µm
Column lock	Unlocked
In	Back SS Inlet He
Out	Front Detector FID
Column Outlet Pressure	0 psi
(Initial)	200 °C
Pressure	6.7158 psi
Flow	0.67521 mL/min
Average Velocity	18.095 cm/sec
Holdup Time	2.7632 min
Control Mode	Ramped Pressure
Front Detector FID	
Makeup	He
Water	On 250 °C
He Flow	Off
Air Flow	Off
Makeup Flow	On 45 mL/min
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	Off
Signals	
Signal #1: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	Off
Data Rate	20 Hz
Dual Injection Assignment	Front Sample
Signal #2: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	Off
Data Rate	20 Hz
Dual Injection Assignment	Back Sample

Column 1 Inventory Number :
Column 2 Inventory Number :

TUNE PARAMETERS for SN: US10423616

Trace Ion Detection is OFF.

34.610	:	EMISSION	
70.347	:	ENERGY	
33.279	:	REPELLER	
90.157	:	IONFOCUS	
22.000	:	ENTRANCE LENS	
894.118	:	EMVOLTS	
		1023.529	: Actual EMV
		0.99	: GAIN FACTOR
1672.000	:	AMUGAIN	
120.500	:	AMUOFFSET	
2.000	:	FILAMENT	
0.000	:	DCPOLARITY	
19.075	:	ENTLENSOFFSET	
-820.000	:	MASSGAIN	
-32.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

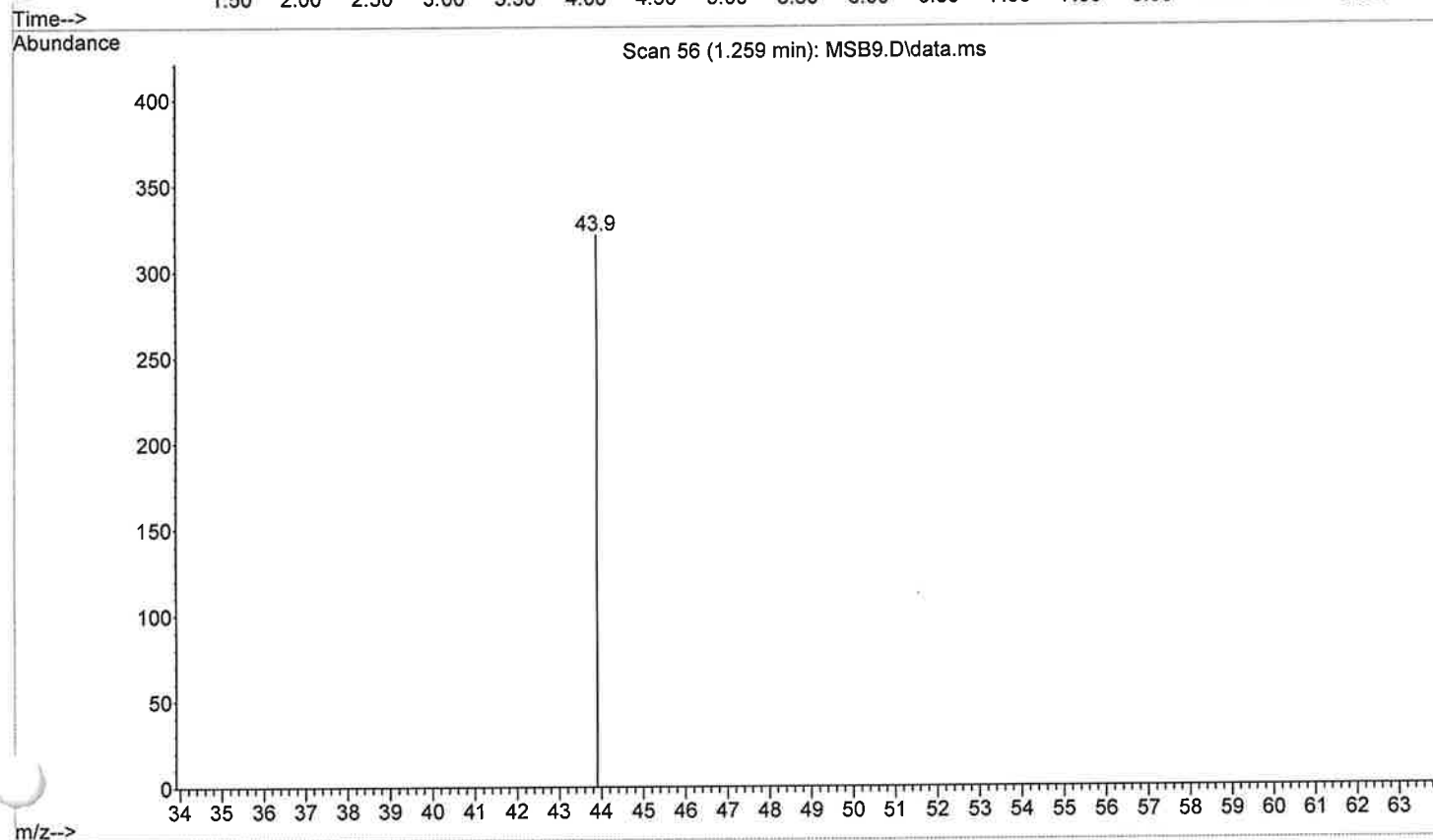
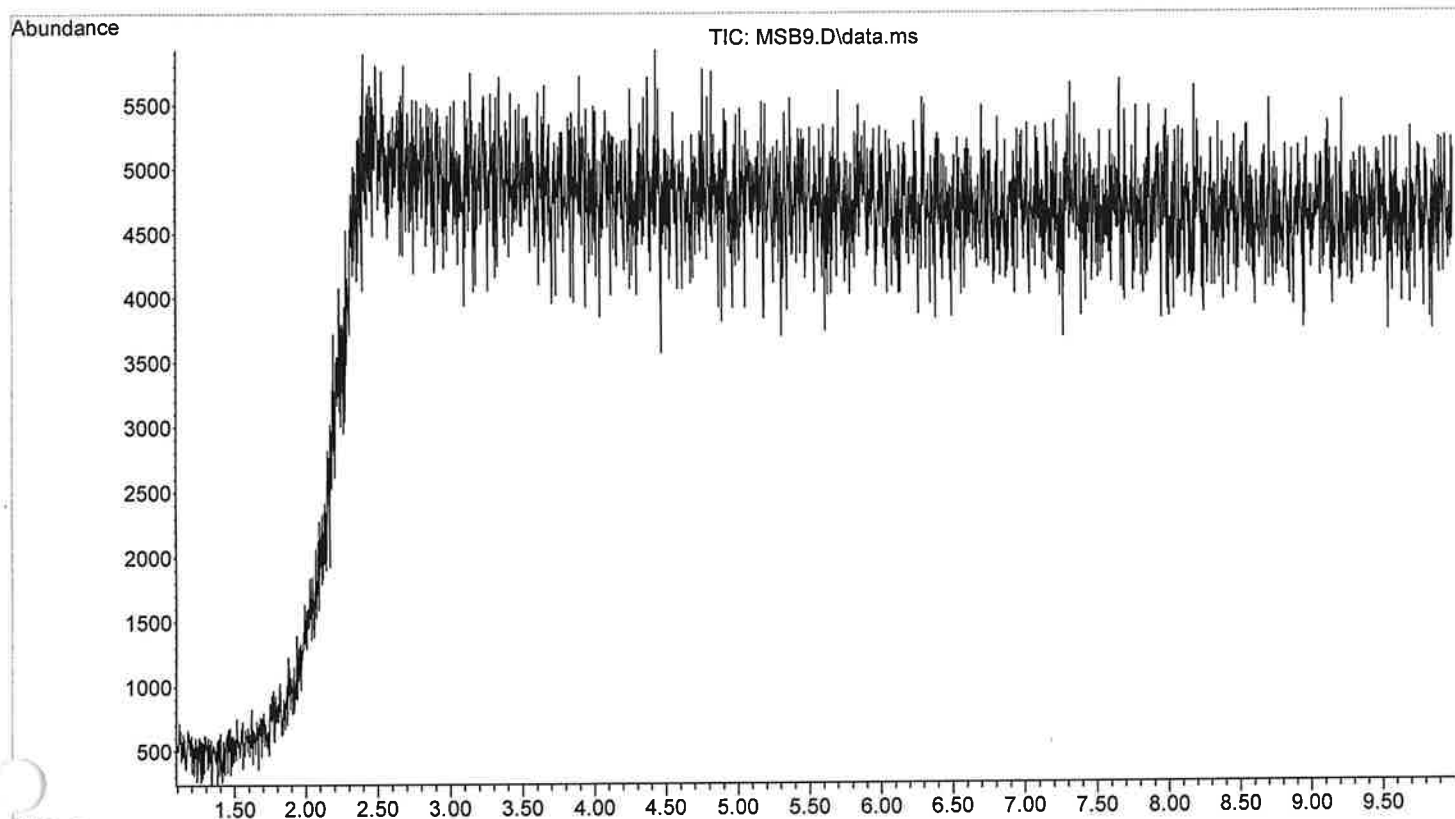
Method Path : E:\methods\
Method File : ASMSDRUGS200.M
Title :
1st Update :
Response Via : Initial Calibration

Total Cpnds : 0

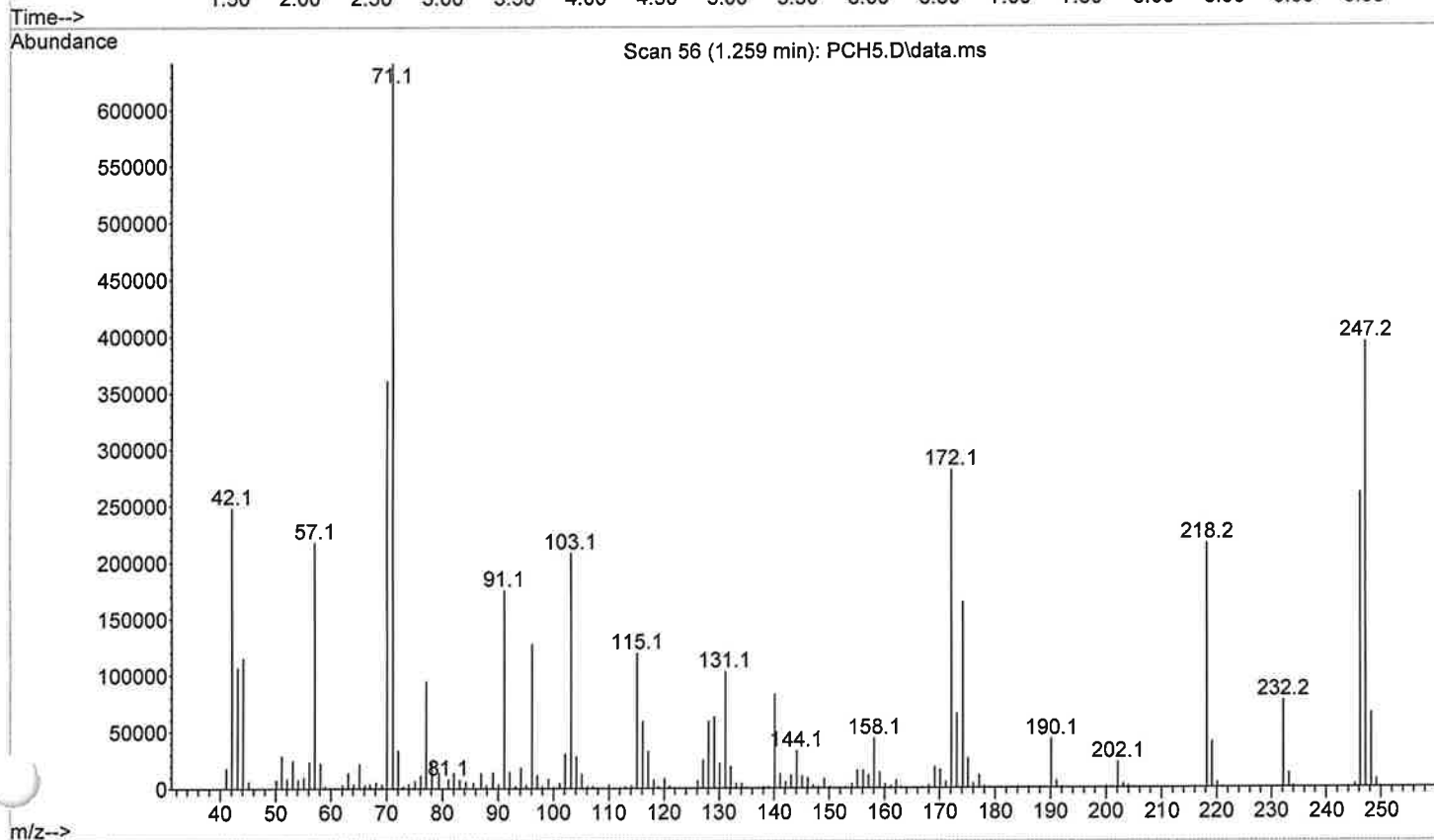
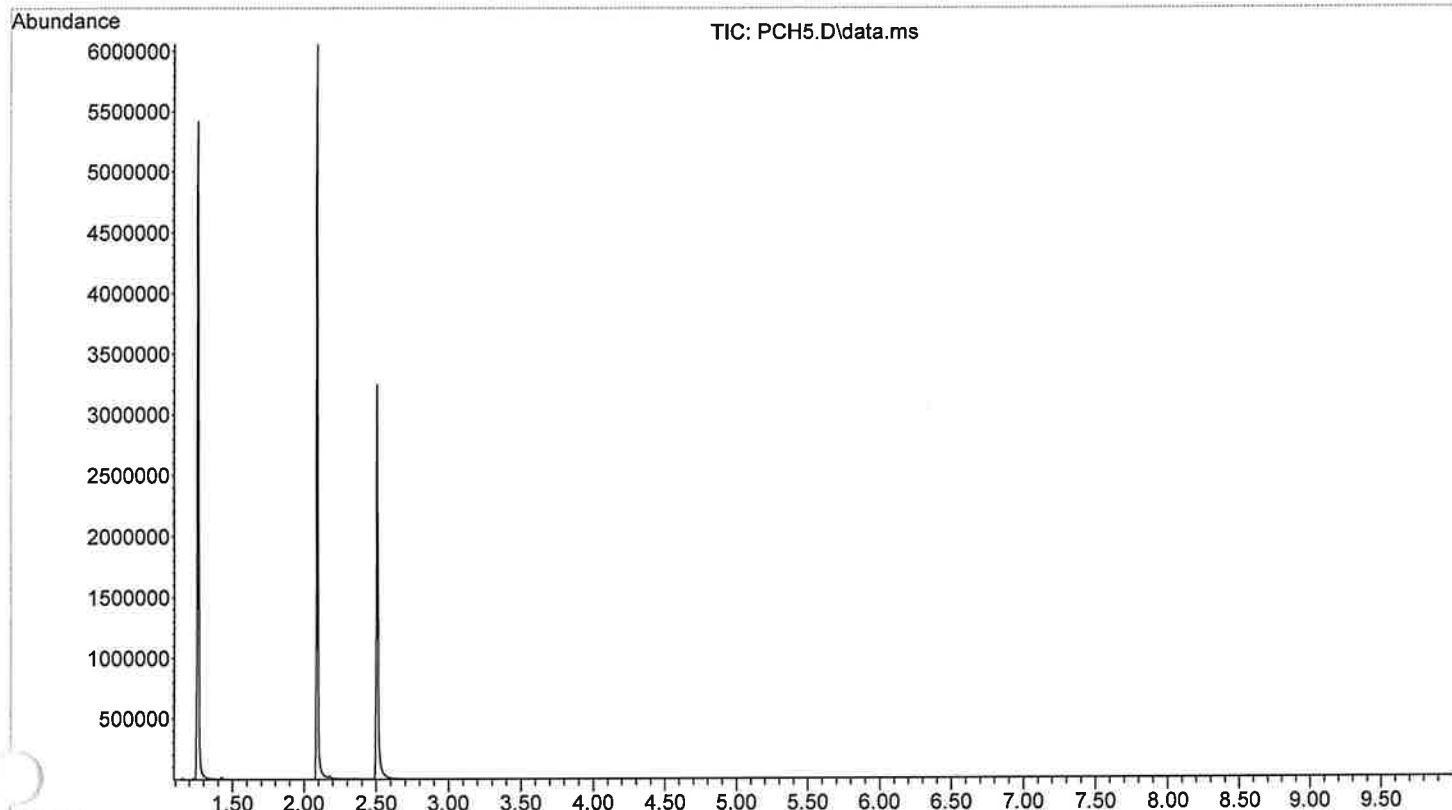
PK#	Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
-----	---------------	------	--------	--------	-----	-------	-----	----

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

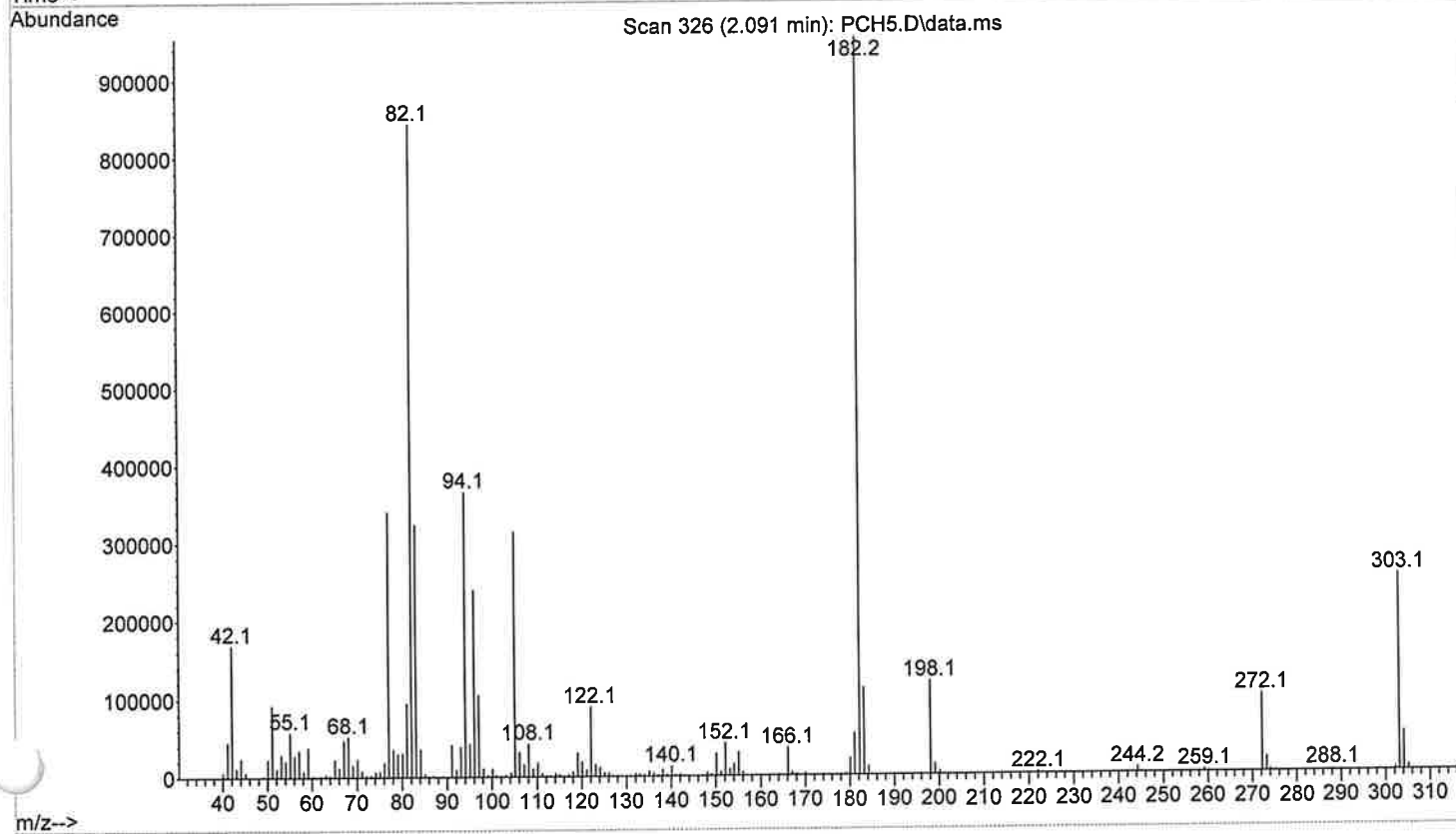
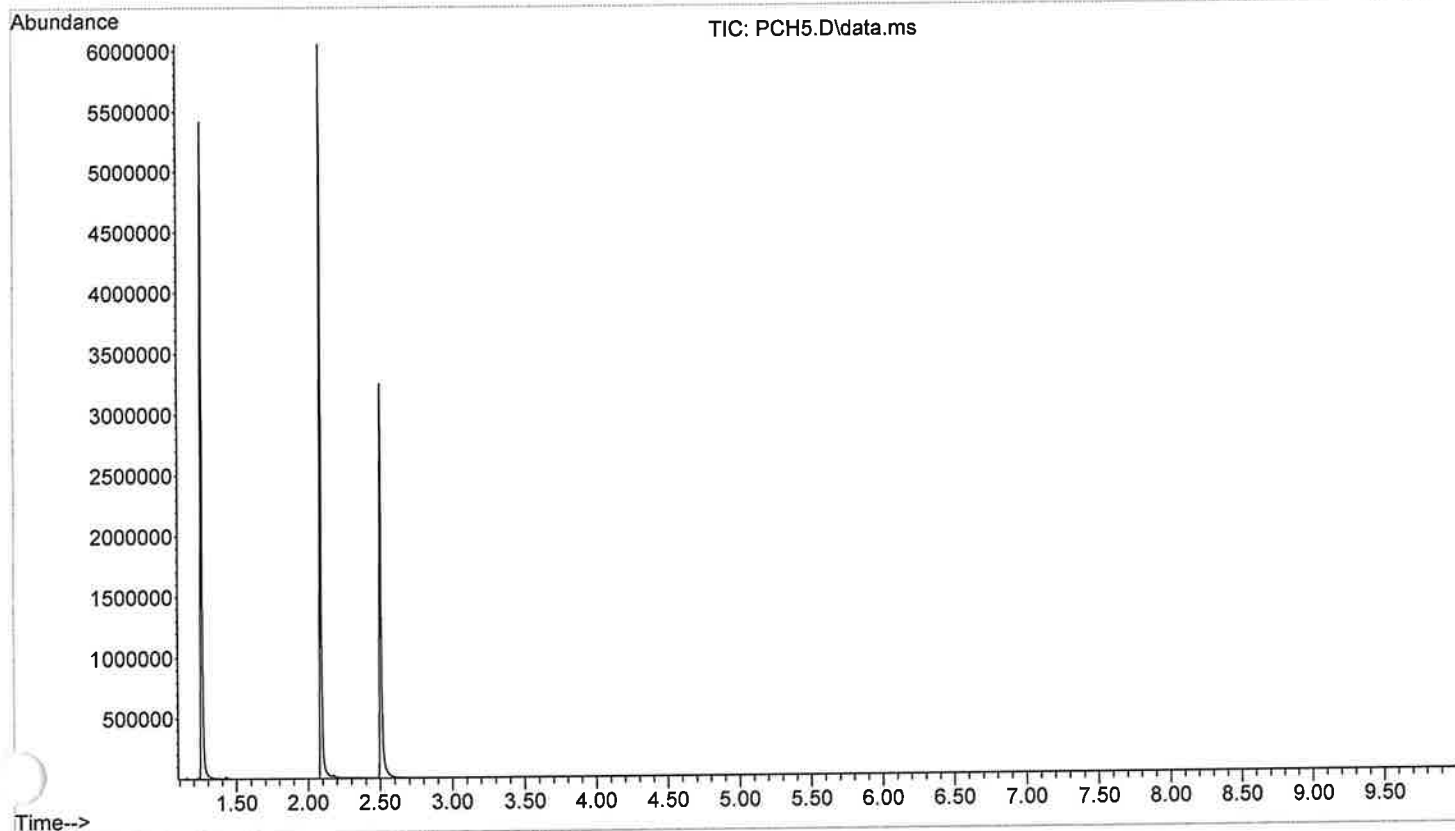
File :X:\2023\GJG\2-13-23\MV213\MSB9.D
Operator :
Acquired : 15 Feb 2023 17:01 using AcqMethod ASMSDRUGS200.M
Instrument : Donna2
Sample Name: MEOH B FOR CALIBRATION STANDARD
Misc Info : 200-280
Vial Number: 2



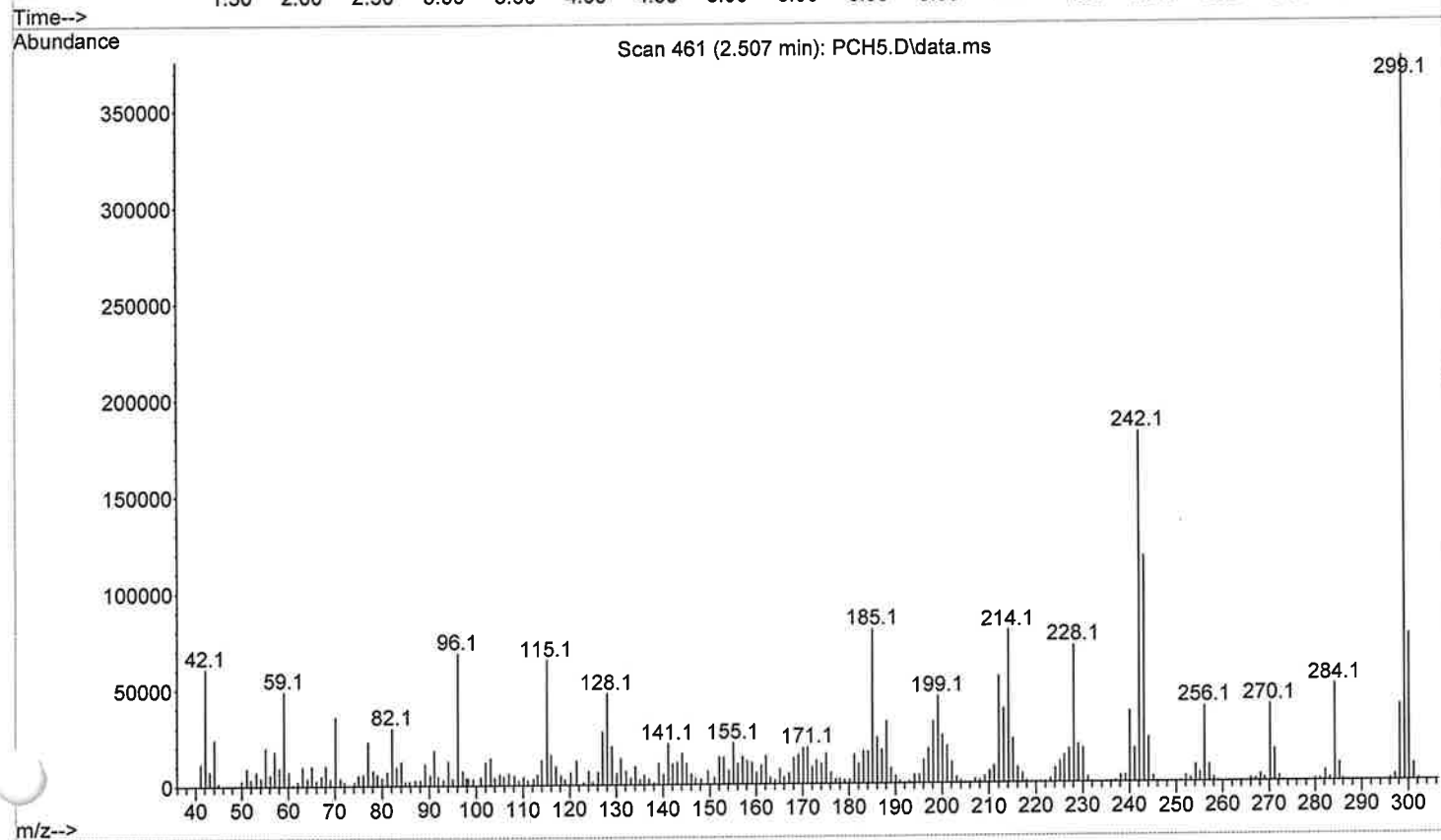
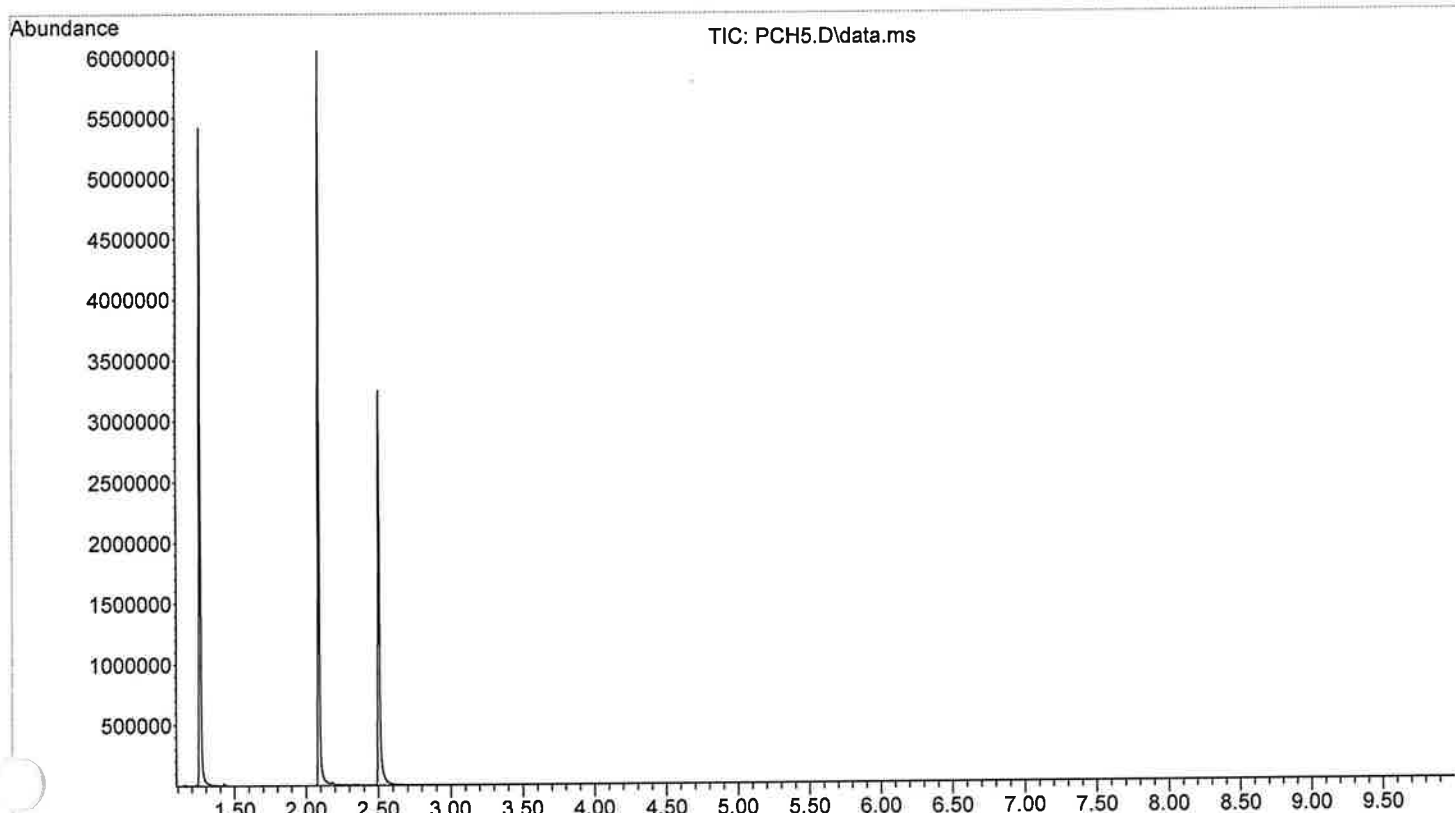
File :X:\2023\GJG\2-13-23\MV213\PCH5.D
Operator :
Acquired : 15 Feb 2023 17:13 using AcqMethod ASMSDRUGS200.M
Instrument : Donna2
Sample Name: CALIBRATION STANDARD -- 200-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 3



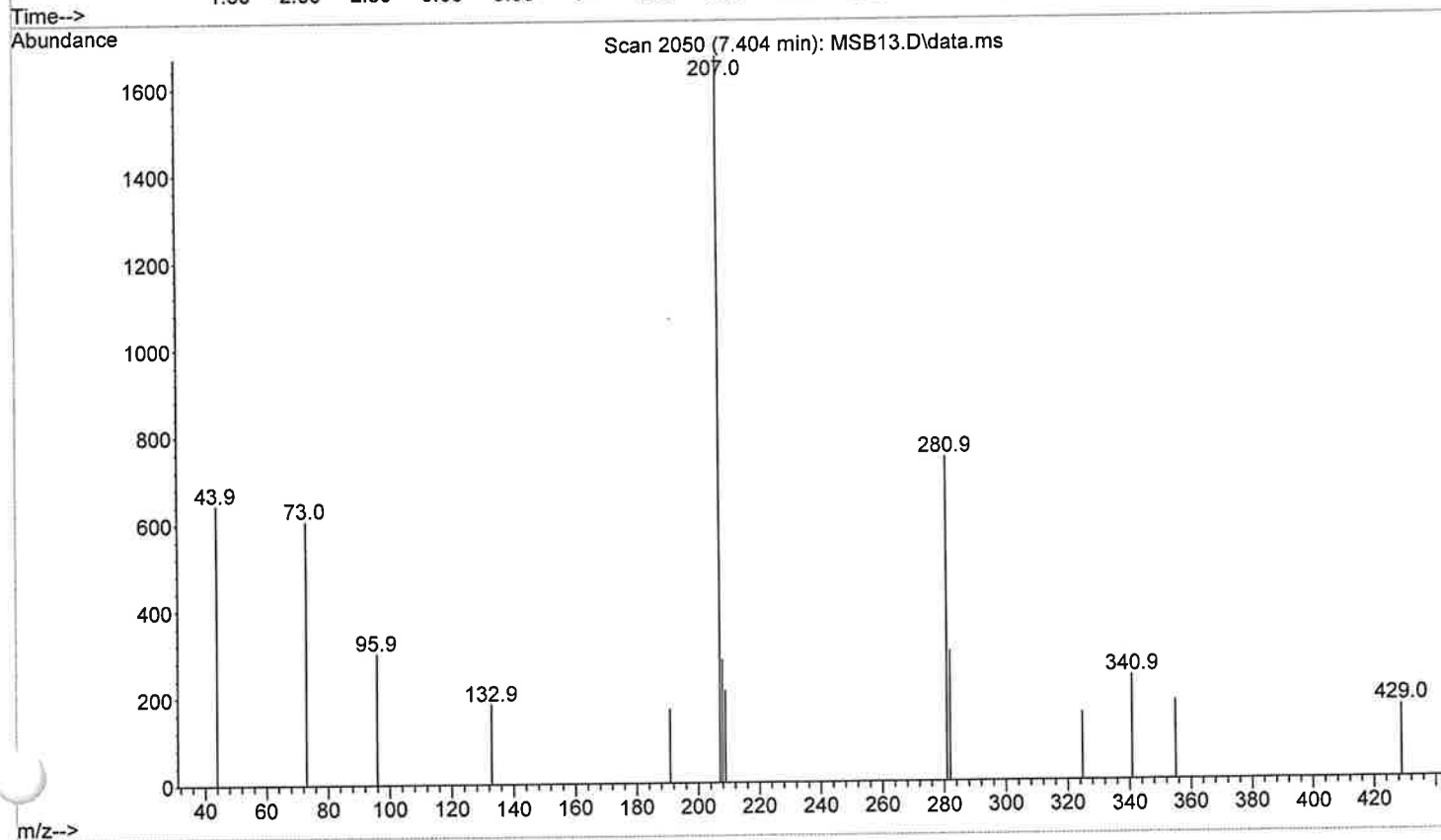
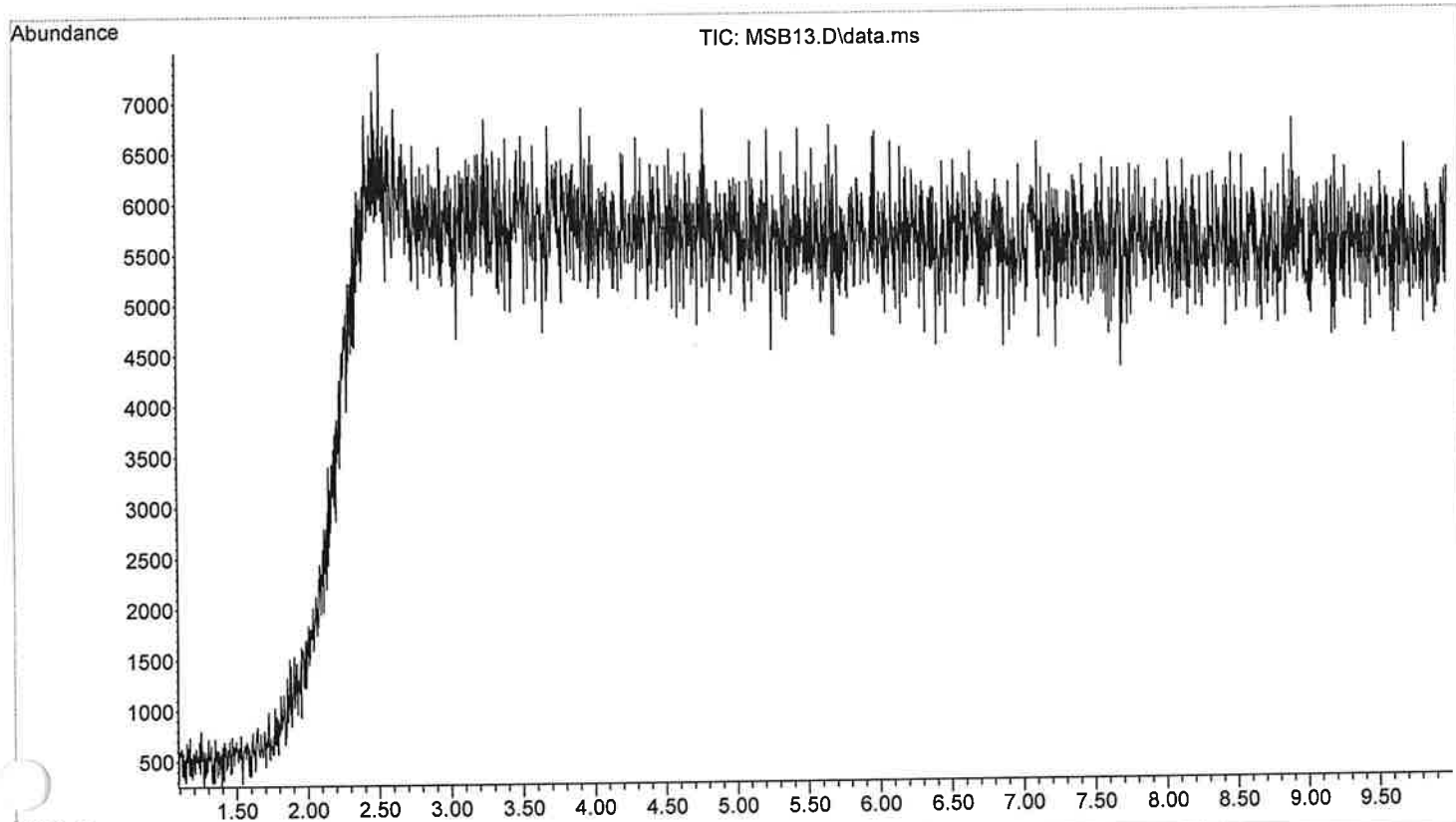
File :X:\2023\GJG\2-13-23\MV213\PCH5.D
Operator :
Acquired : 15 Feb 2023 17:13 using AcqMethod ASMSDRUGS200.M
Instrument : Donna2
Sample Name: CALIBRATION STANDARD -- 200-280
Mi Info : PETHIDINE / COCAINE / HYDROCODONE
Vi Number: 3



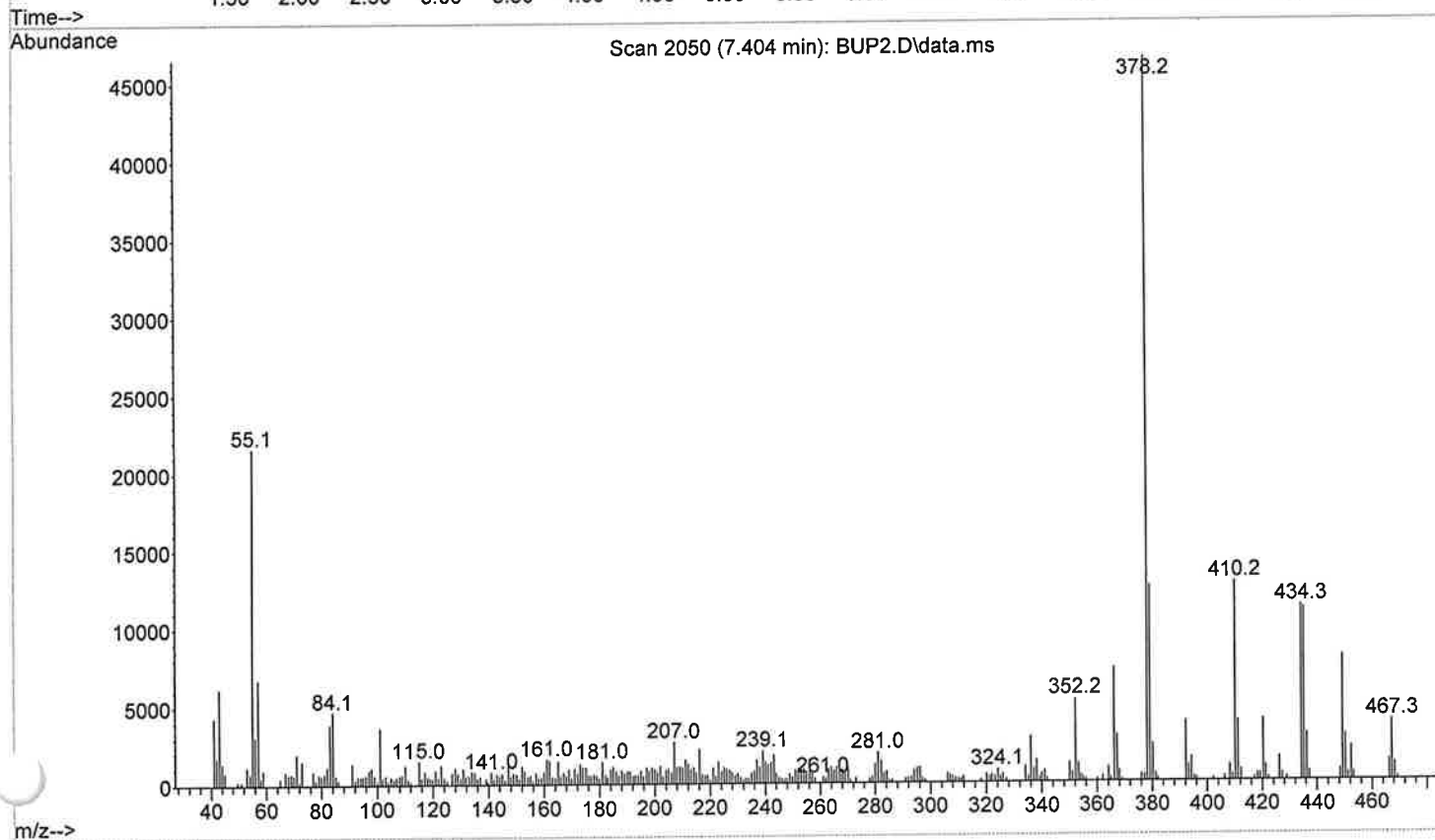
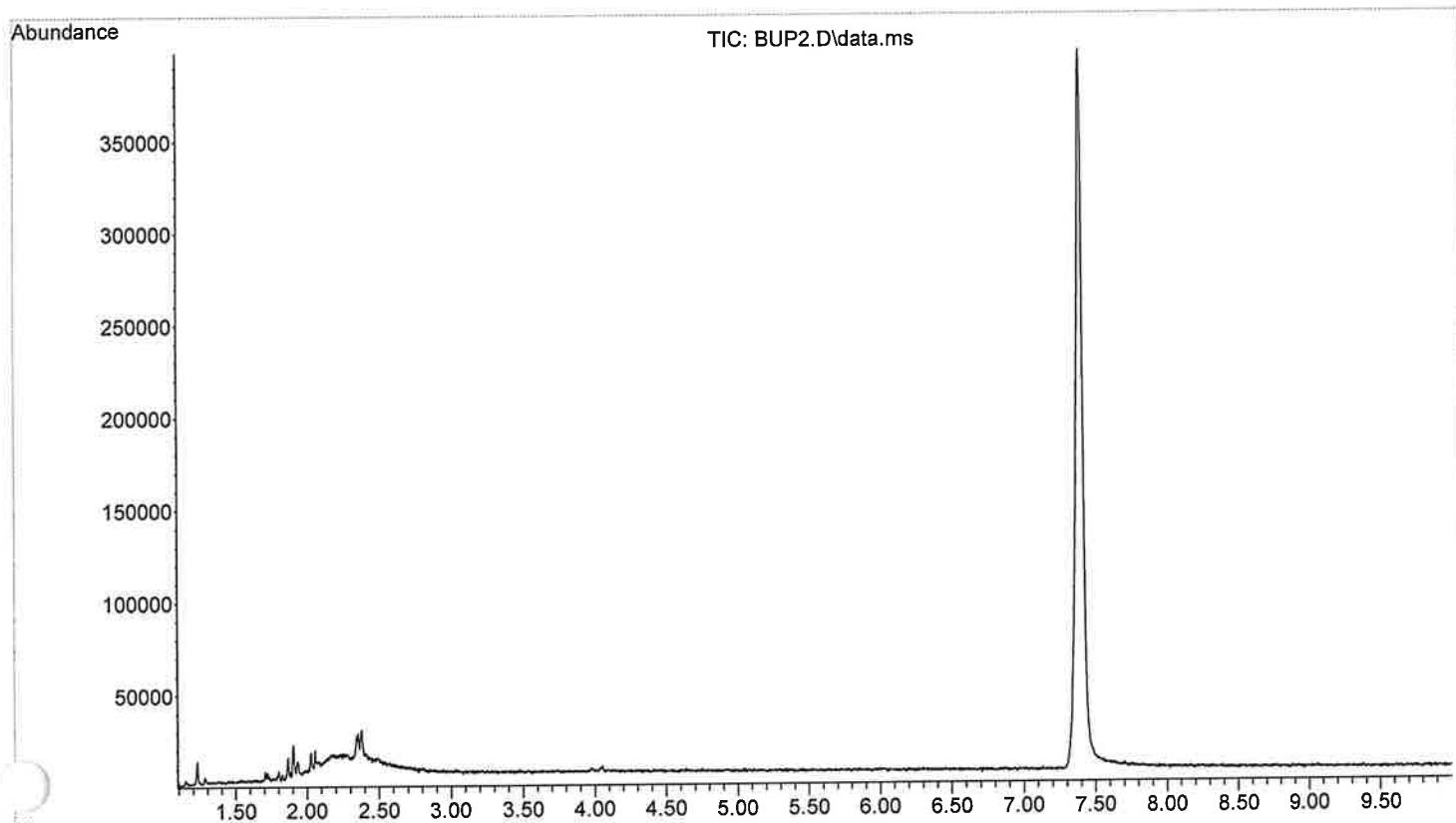
File :X:\2023\GJG\2-13-23\MV213\PCH5.D
Operator :
Acquired : 15 Feb 2023 17:13 using AcqMethod ASMSDRUGS200.M
Instrument : Donna2
Sample Name: CALIBRATION STANDARD -- 200-280
Mi Info : PETHIDINE / COCAINE / HYDROCODONE
Vi Number: 3



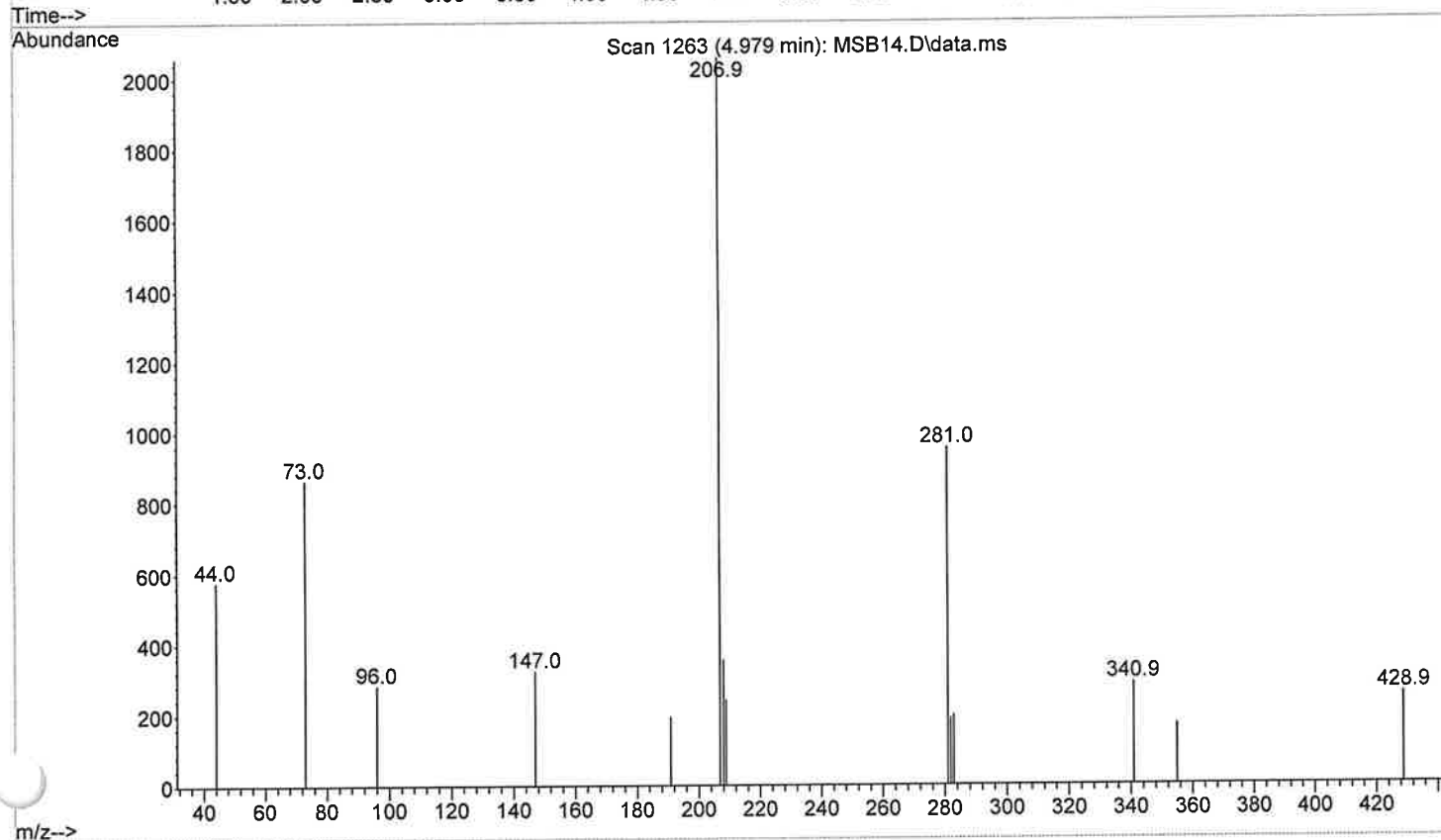
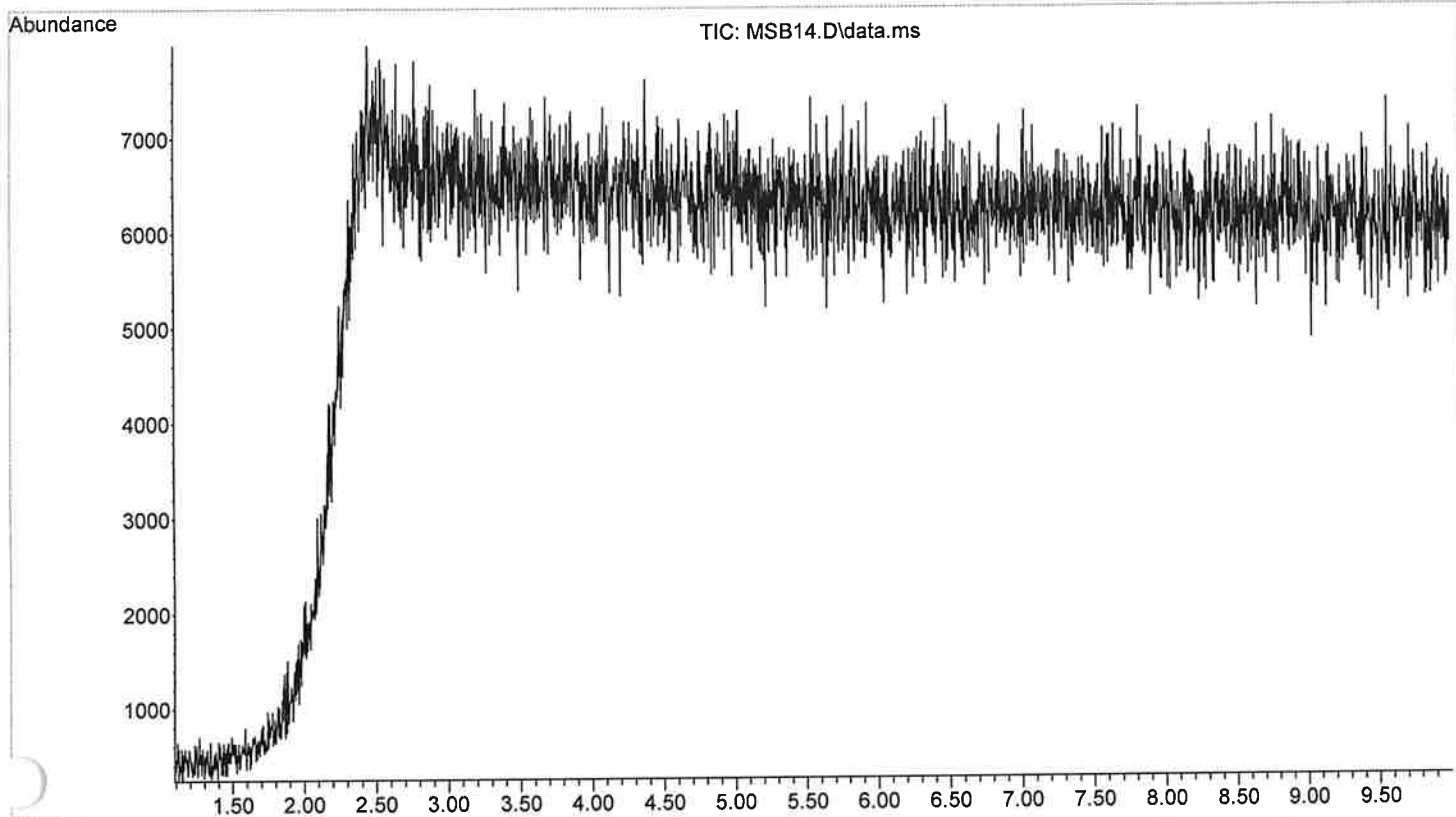
File :X:\2023\GJG\2-21-23\MV221\MSB13.D
Operator :
Acquired : 21 Feb 2023 15:33 using AcqMethod ASMSDRUGS200.M
Instrument : Donna2
Sample Name: MEOH B FOR BUPRENORPHINE STANDARD
Misc Info : 200-280
Vial Number: 2



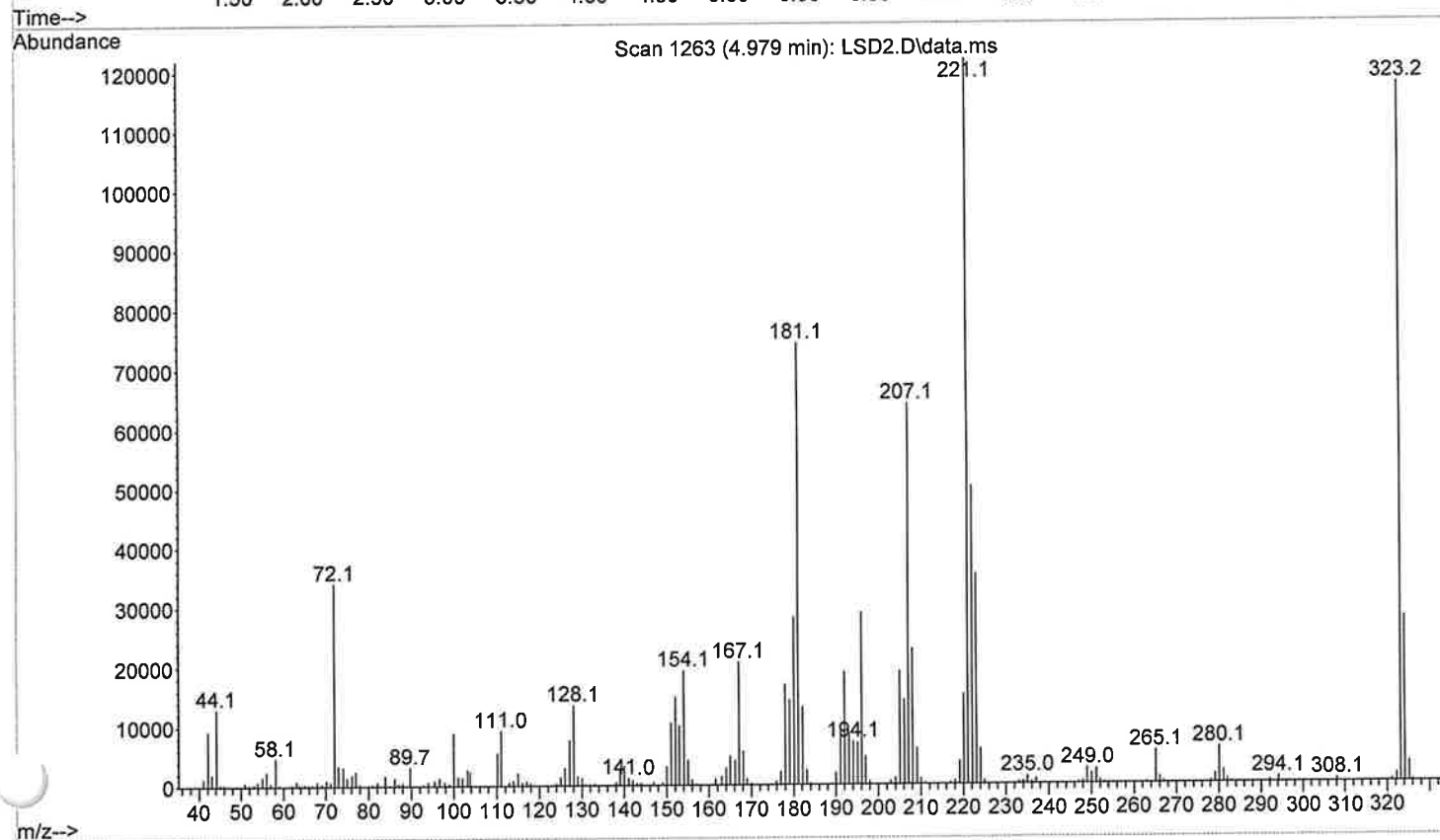
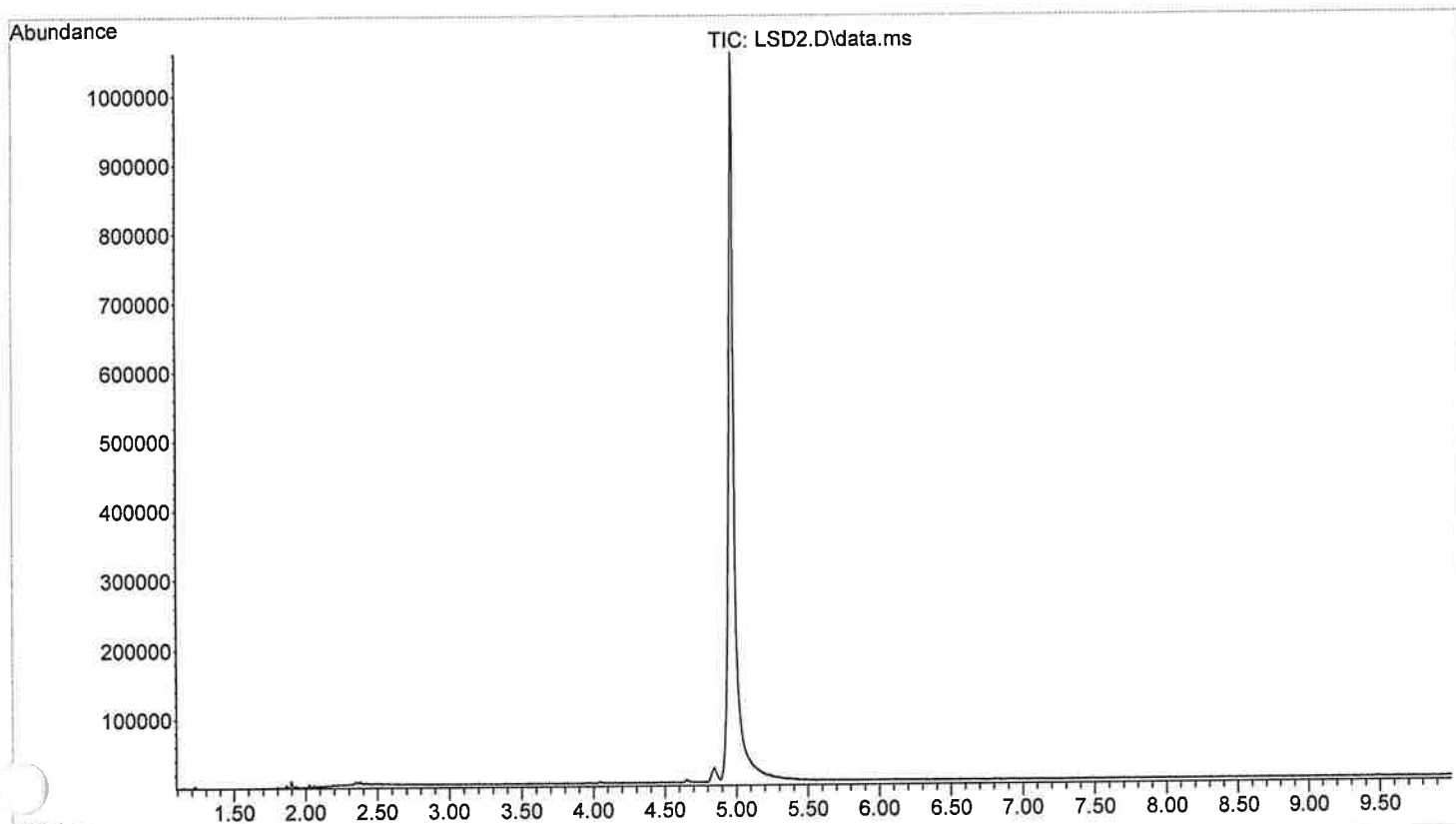
File :X:\2023\GJG\2-21-23\MV221\BUP2.D
Operator :
Acquired : 21 Feb 2023 15:46 using AcqMethod ASMSDRUGS200.M
Instrument : Donna2
Sample Name: BUPRENORPHINE STANDARD -- 200-280
Misc Info : Cerilliant Lot# FE03191903 Exp: June 2024
Vial Number: 3



File :X:\2023\GJG\2-21-23\MV221\MSB14.D
Operator :
Acquired : 21 Feb 2023 16:10 using AcqMethod ASMSDRUGS200.M
Instrument : Donna2
Sample Name: MEOH B FOR LSD STANDARD
Misc Info : 200-280
View Number: 2



File :X:\2023\GJG\2-21-23\MV221\LSD2.D
Operator :
Acquired : 21 Feb 2023 16:23 using AcqMethod ASMSDRUGS200.M
Instrument : Donna2
Sample Name: LSD STANDARD -- 200-280
Misc Info : Cerilliant Lot# FE10161901 Exp: October 2024
Vial Number: 4



METHOD CONTROL PARAMETERS

Method Information for: E:\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:

Auto Sample MS Drugs 60-280 10 minutes

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	E:\methods\ASMSDRUGS60.M
Tune file	atune.u
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
Acquisition Type	Scan
Stop time (min)	650.00
Solvent delay (min)	1.00
Trace Ion Detection	False
Delta EMV	0
EM Saver	False
EM Saver Limit	N/A

Scan Time Segments

Time	Start Mass	End Mass	Threshold	Scan Speed
1.00	40	550	150	3,125 [N=1]

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
Extracted Ion	Scan 1-2	40	550

Self-Cleaning Ion Source Parameters

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

E:\methods\ASMSDRUGS60.M
Mon Mar 13 17:59:14 2023

Control Information

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

No Sample Prep method has been assigned to this method.

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

Oven
Temperature
Setpoint On
(Initial) 60 °C
Hold Time 1 min
Post Run 0 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 5.86 min

Equilibration Time 0.5 min
Max Temperature 305 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Injection Repetitions 1
Injection Delay 0 sec
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 2
Solvent A Volume 8 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 2
Solvent B Volume 8 µL
Sample Washes 1
Sample Wash Volume 8 µL
Sample Pumps 2
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 300 µL/min
Solvent Wash Dispense Speed 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

Solvent Wash Mode

A, B

Back Injector

Syringe Size	10 µL
Injection Volume	1 µL
Injection Repetitions	1
Injection Delay	0 sec
Solvent A Washes (PreInj)	2
Solvent A Washes (PostInj)	0
Solvent A Volume	8 µL
Solvent B Washes (PreInj)	2
Solvent B Washes (PostInj)	0
Solvent B Volume	8 µL
Sample Washes	0
Sample Wash Volume	8 µL
Sample Pumps	6
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Solvent Wash Mode	A, B

ALS Errors

Pause for user interaction

Front SS Inlet He

Mode	Split
Heater	On 250 °C
Pressure	On 8.1209 psi
Gas Saver	Off
Split Ratio	50 :1
Split Flow	48.428 mL/min
Liner	A Liner has not been selected.

Back SS Inlet He

Mode	Split
Heater	On 250 °C
Pressure	On 6.7158 psi
Gas Saver	Off
Split Ratio	50 :1
Split Flow	60.866 mL/min
Liner	A Liner has not been selected.

Thermal Aux 2 (MSD Transfer Line)

Temperature	On
Setpoint	280 °C
(Initial)	
Hold Time	0 min

Column

Column #1	
Flow	
Setpoint	On
(Initial)	0.96856 mL/min
Hold Time	0 min
Post Run	0.969 mL/min

Column Information

Temperature Range	J&W01
	-60 °C-305 °C (305 °C)

Dimensions	12.5 m x 200 µm x 0.33 µm
Column lock	Unlocked
In	Front SS Inlet He
Out	MSD
Column Outlet Pressure	MSD
(Initial)	60 °C
Pressure	8.1217 psi
Flow	0.96856 mL/min
Average Velocity	55.837 cm/sec
Holdup Time	0.37311 min
Control Mode	Constant Flow
Column #2	
Pressure	
Setpoint	On
(Initial)	6.7158 psi
Hold Time	0 min
Post Run	0 psi
Column Information	AB003
Temperature Range	-60 °C-305 °C (305 °C)
Dimensions	30 m x 320 µm x 1 µm
Column lock	Unlocked
In	Back SS Inlet He
Out	Front Detector FID
Column Outlet Pressure	0 psi
(Initial)	60 °C
Pressure	6.7158 psi
Flow	1.2173 mL/min
Average Velocity	22.97 cm/sec
Holdup Time	2.1767 min
Control Mode	Ramped Pressure
Front Detector FID	
Makeup	He
Water	On 250 °C
N2 Flow	Off
Air Flow	Off
Makeup Flow	On 45 mL/min
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	Off
Signals	
Signal #1: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	Off
Data Rate	20 Hz
Dual Injection Assignment	Front Sample
Signal #2: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	Off
Data Rate	20 Hz
Dual Injection Assignment	Back Sample
Column 1 Inventory Number :	
Column 2 Inventory Number :	

TUNE PARAMETERS for SN: US10423616

Trace Ion Detection is OFF.

34.610	:	EMISSION	
70.347	:	ENERGY	
33.279	:	REPELLER	
90.157	:	IONFOCUS	
22.000	:	ENTRANCE LENS	
894.118	:	EMVOLTS	
		1023.529	: Actual EMV
		0.99	: GAIN FACTOR
1672.000	:	AMUGAIN	
120.500	:	AMUOFFSET	
2.000	:	FILAMENT	
0.000	:	DCPOLARITY	
19.075	:	ENTLENSOFFSET	
-820.000	:	MASSGAIN	
-32.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

Method Path : E:\methods\
Method File : ASMSDRUGS60.M
Title :
1st Update :
Response Via : Initial Calibration

Total Cpnds : 0

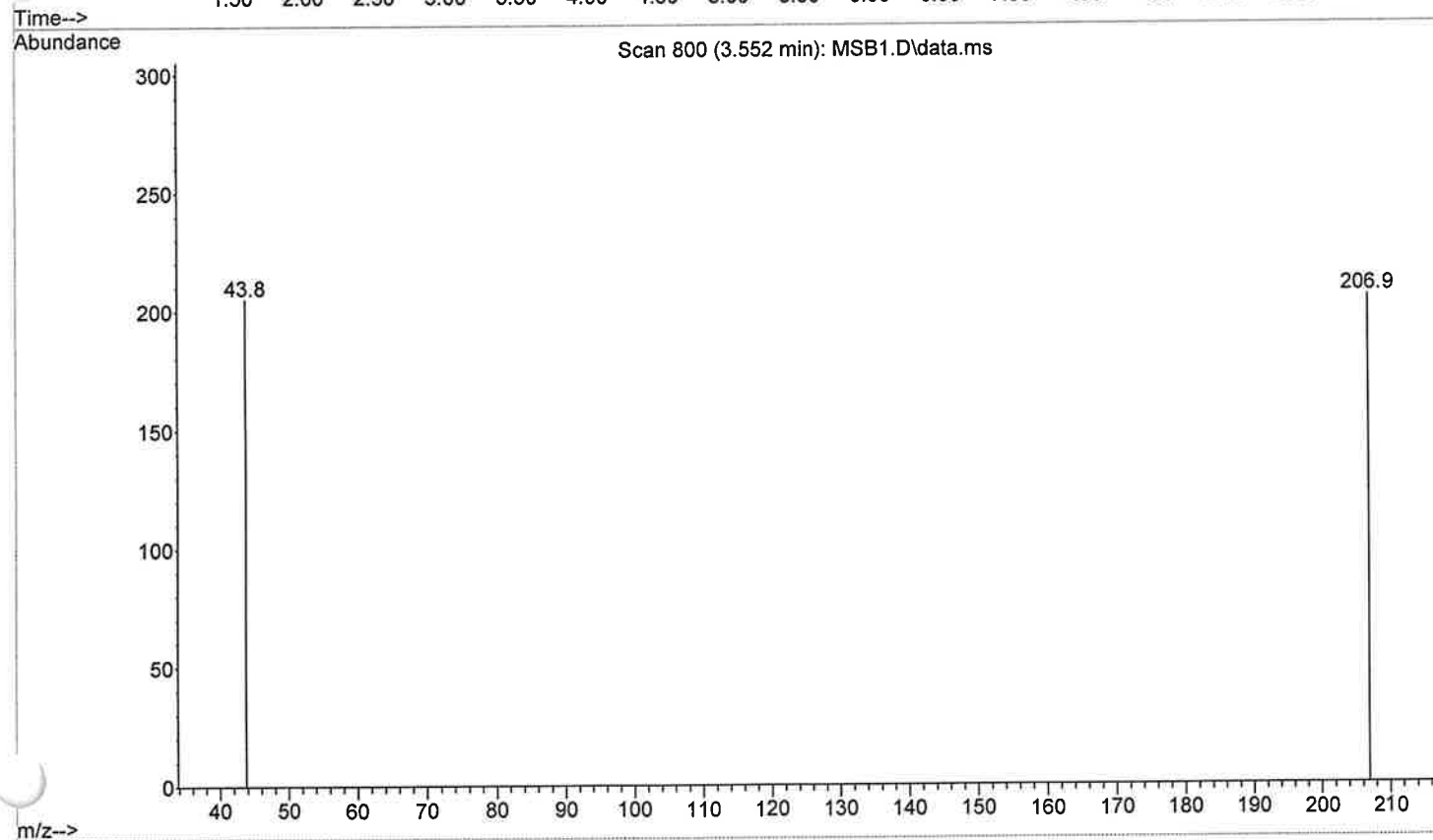
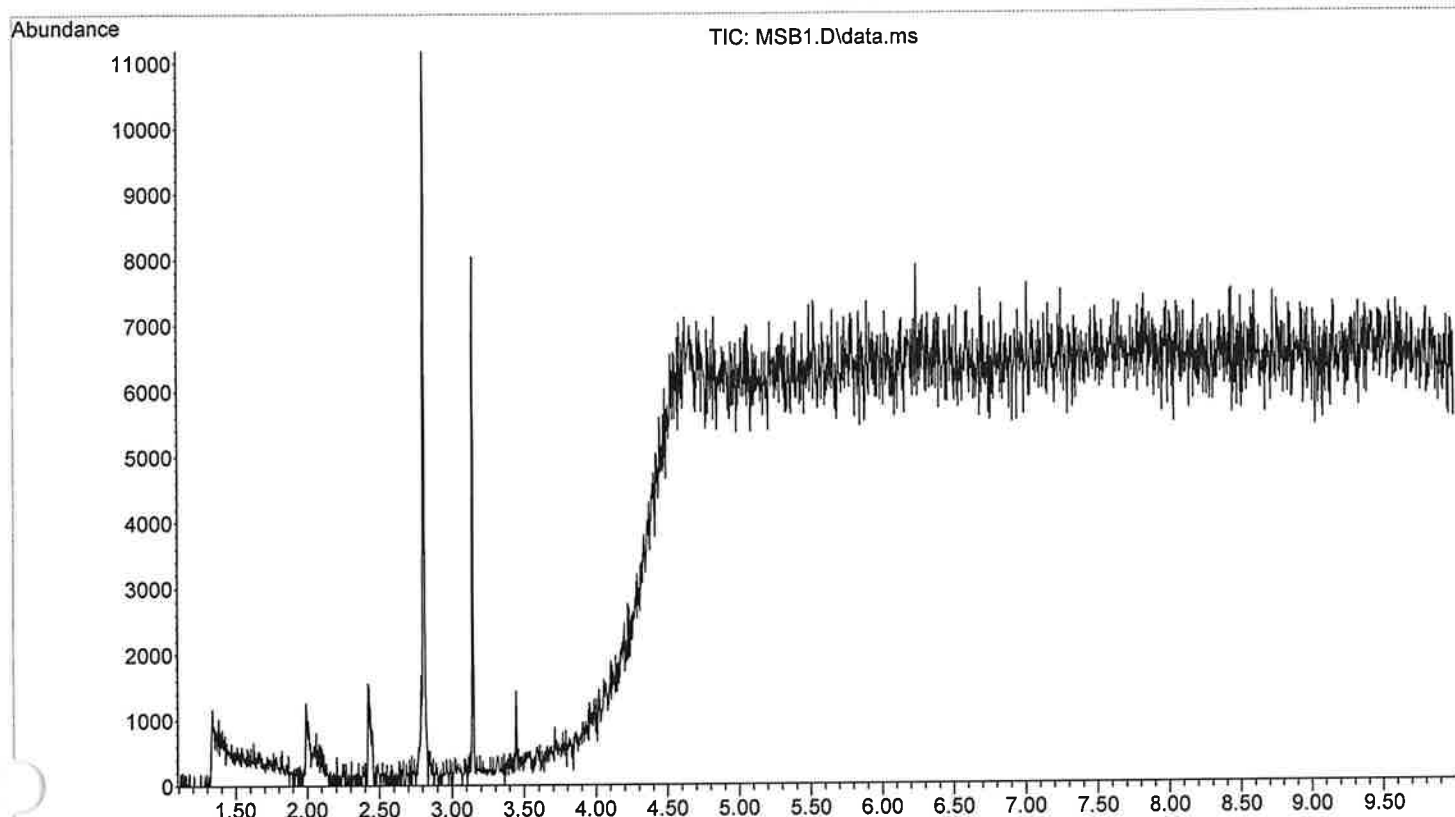
PK#	Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
-----	---------------	------	--------	--------	-----	-------	-----	----

Cal A = Average L = Linear LO = Linear w/origin Q = Quad Q0 = Quad w/origin
#Qual = number of qualifiers

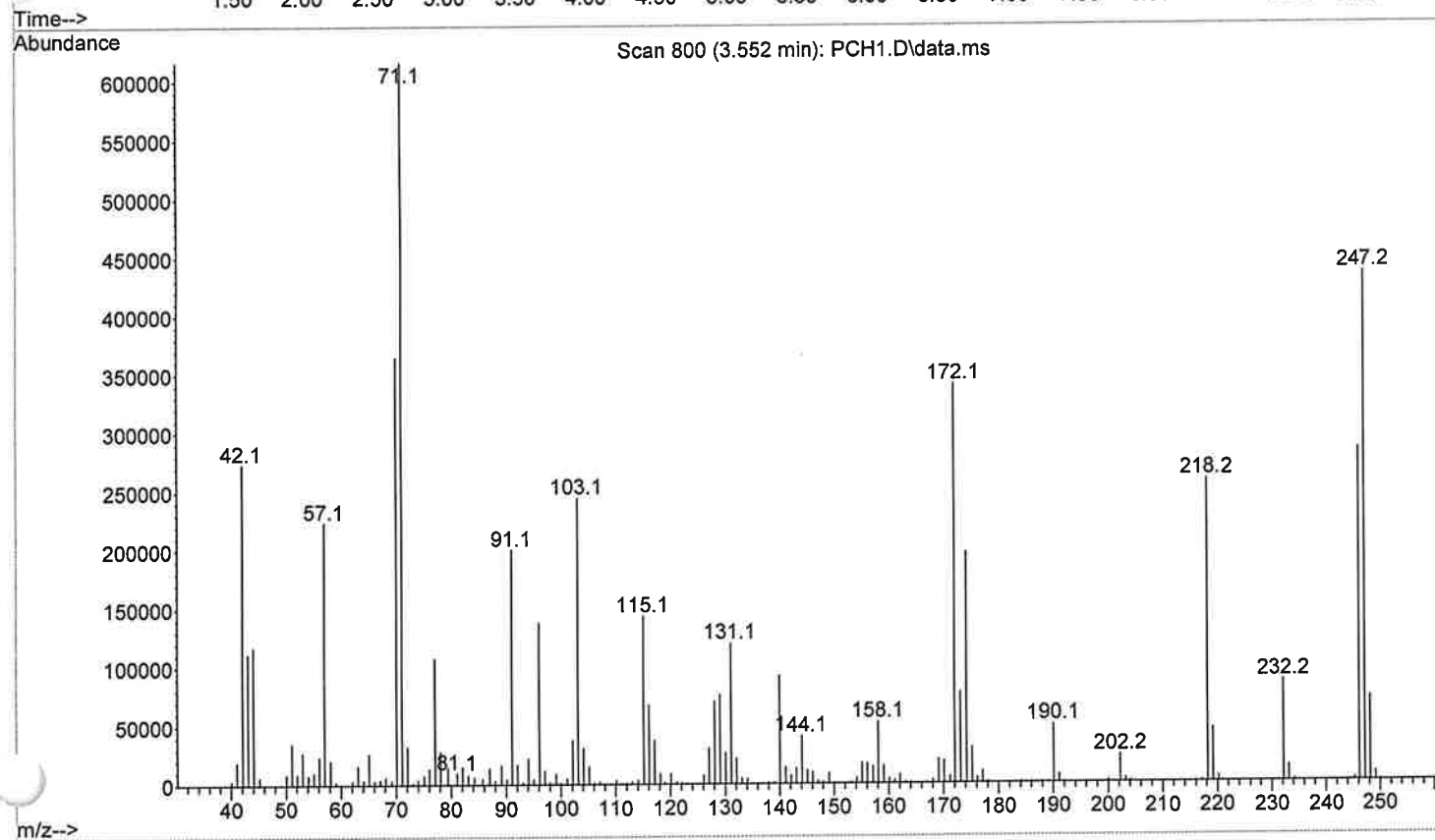
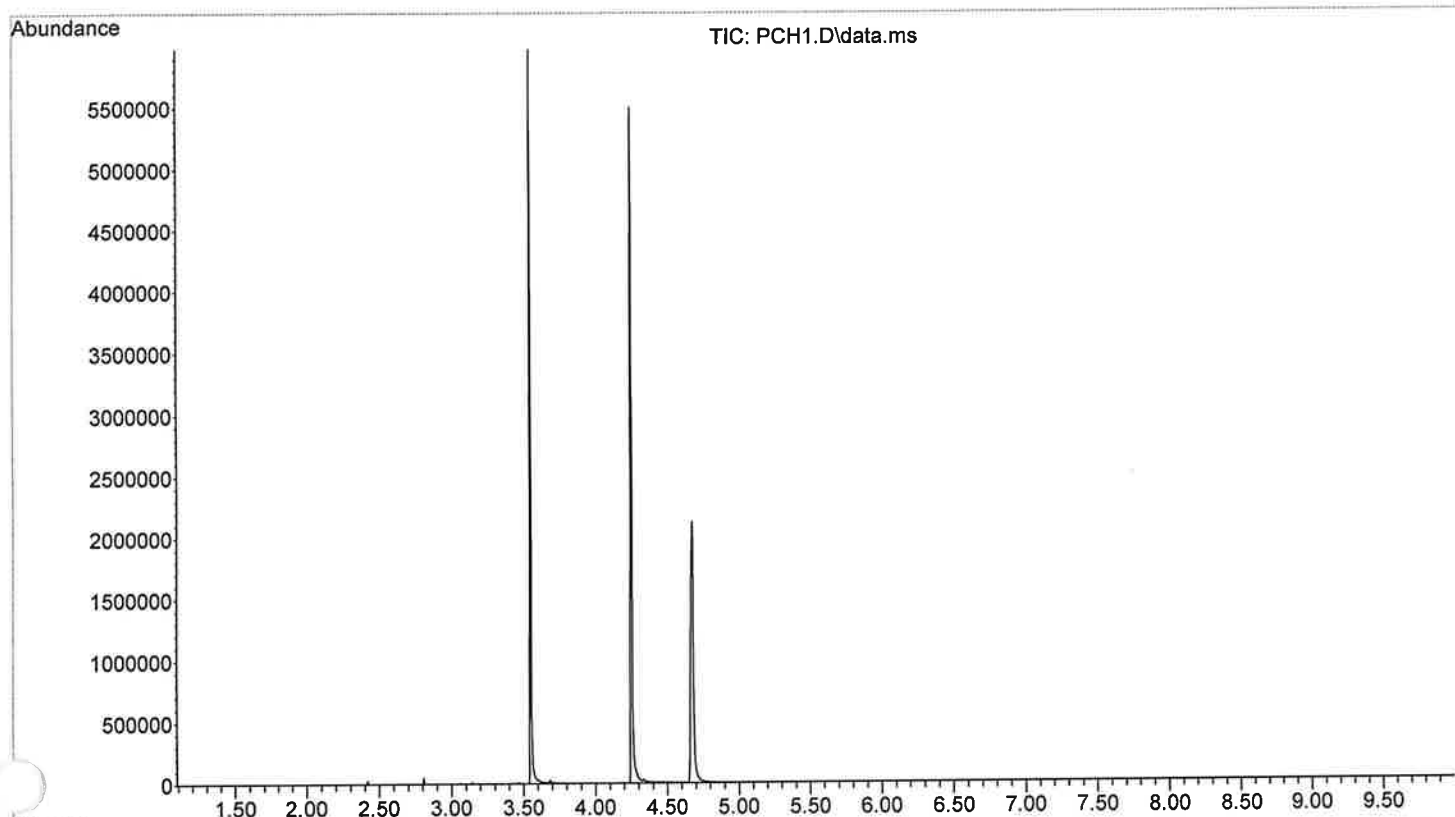
A/H = Area or Height

ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

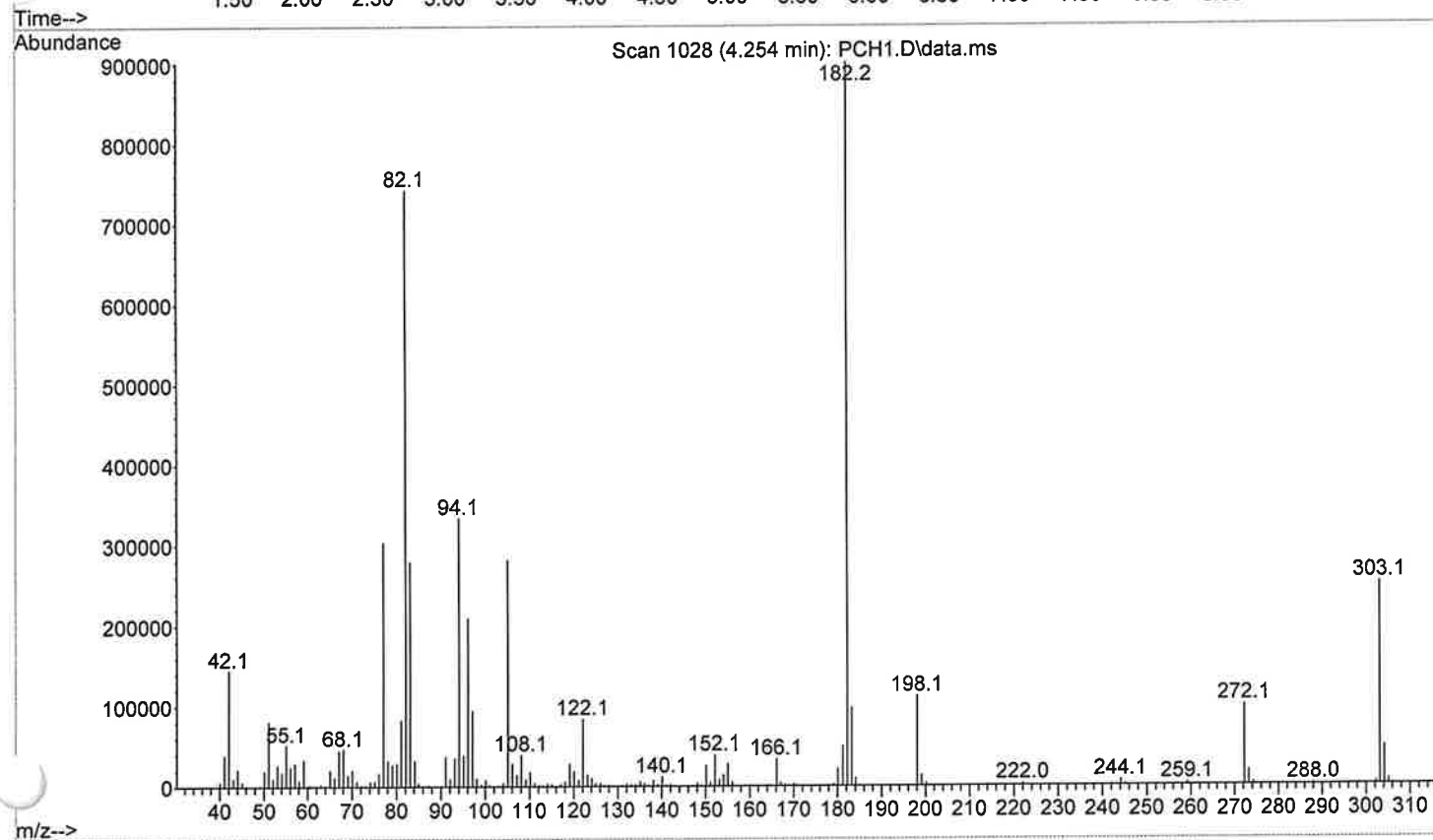
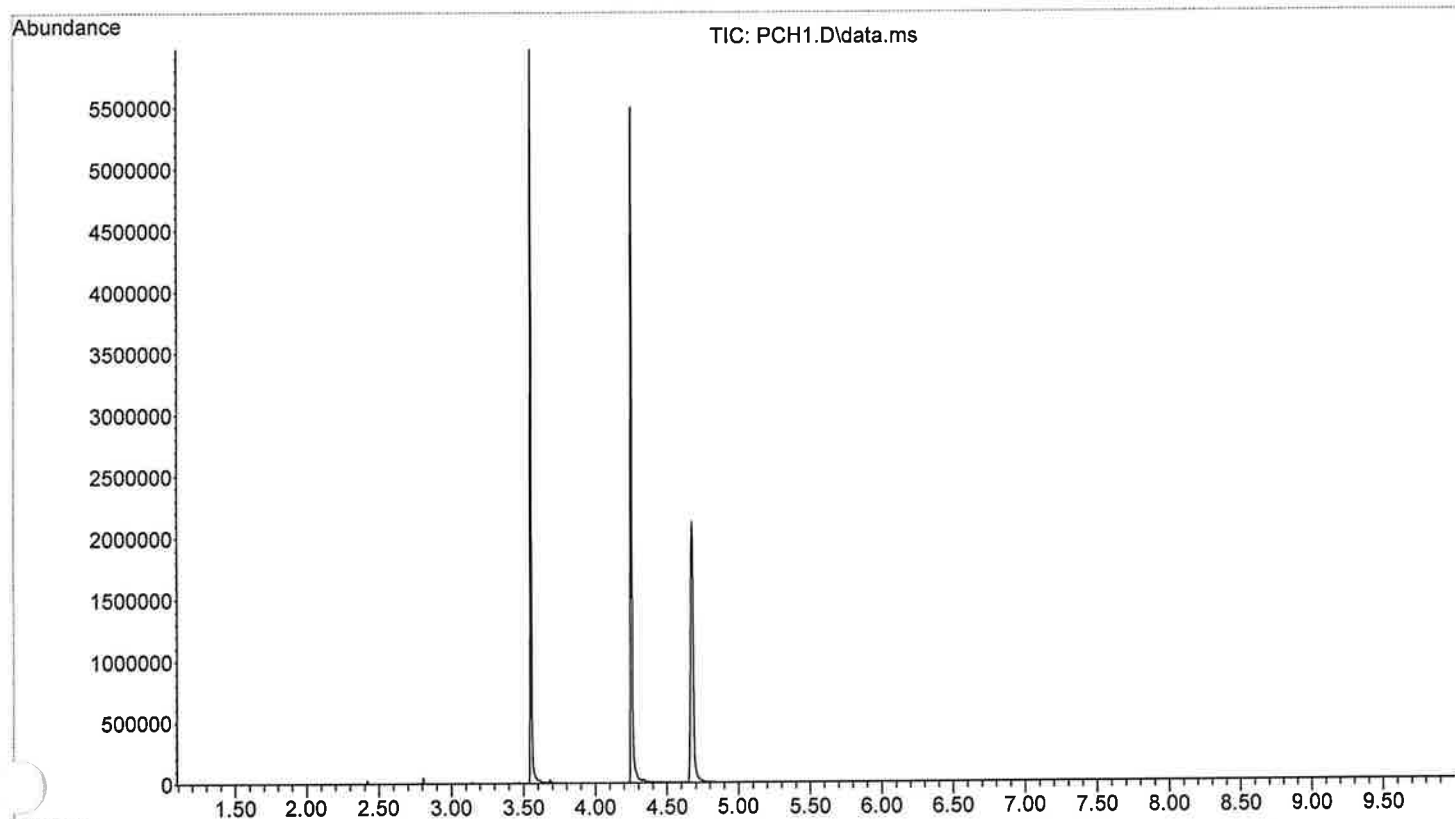
File :X:\2023\GJG\2-13-23\MV213\MSB1.D
Operator :
Acquired : 15 Feb 2023 10:06 using AcqMethod ASMSDRUGS60.M
Instrument : Donna2
Sample Name: MEOH B FOR CALIBRATION STANDARD wash51
Misc Info : 60-280
V: Number: 2



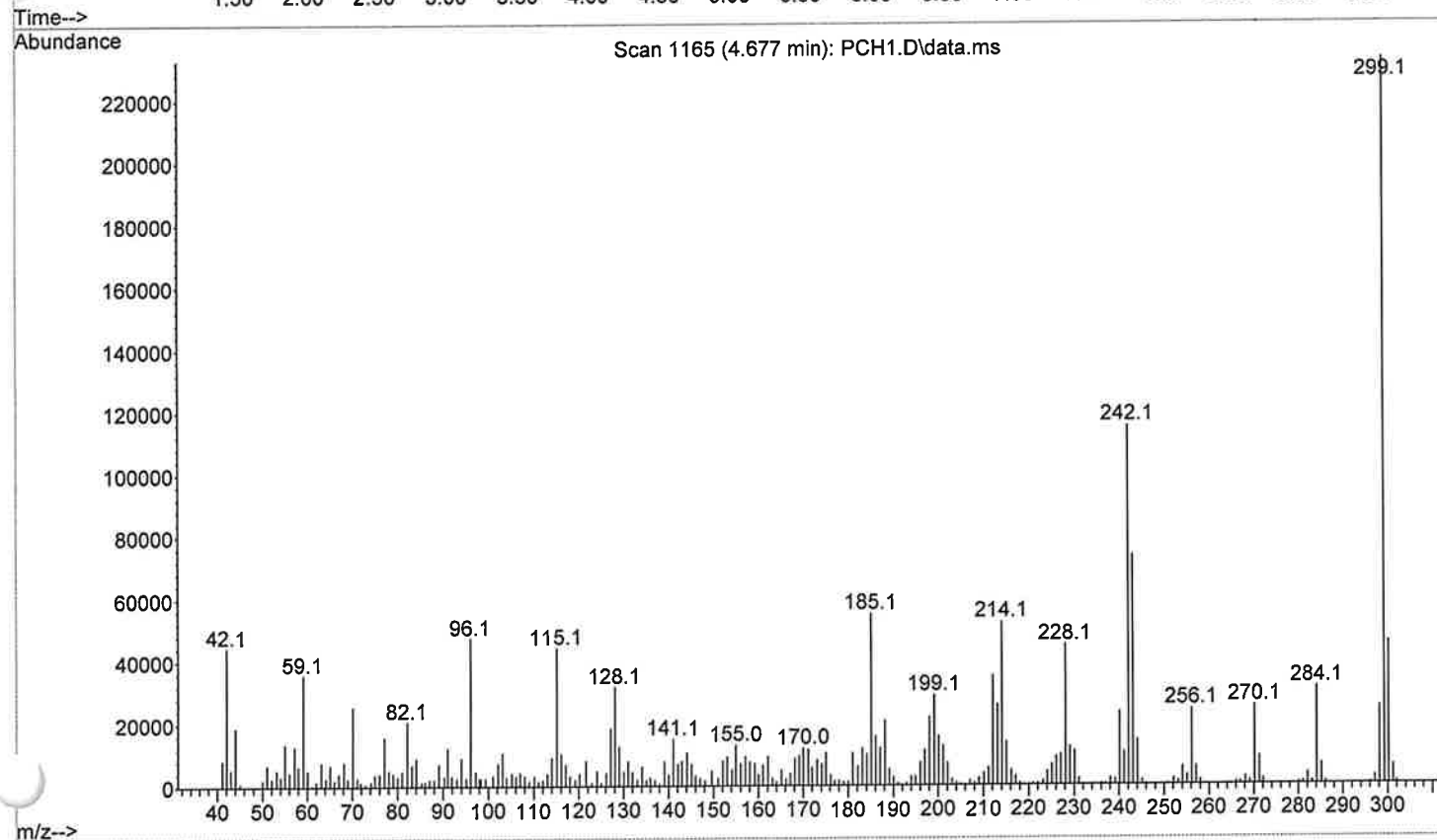
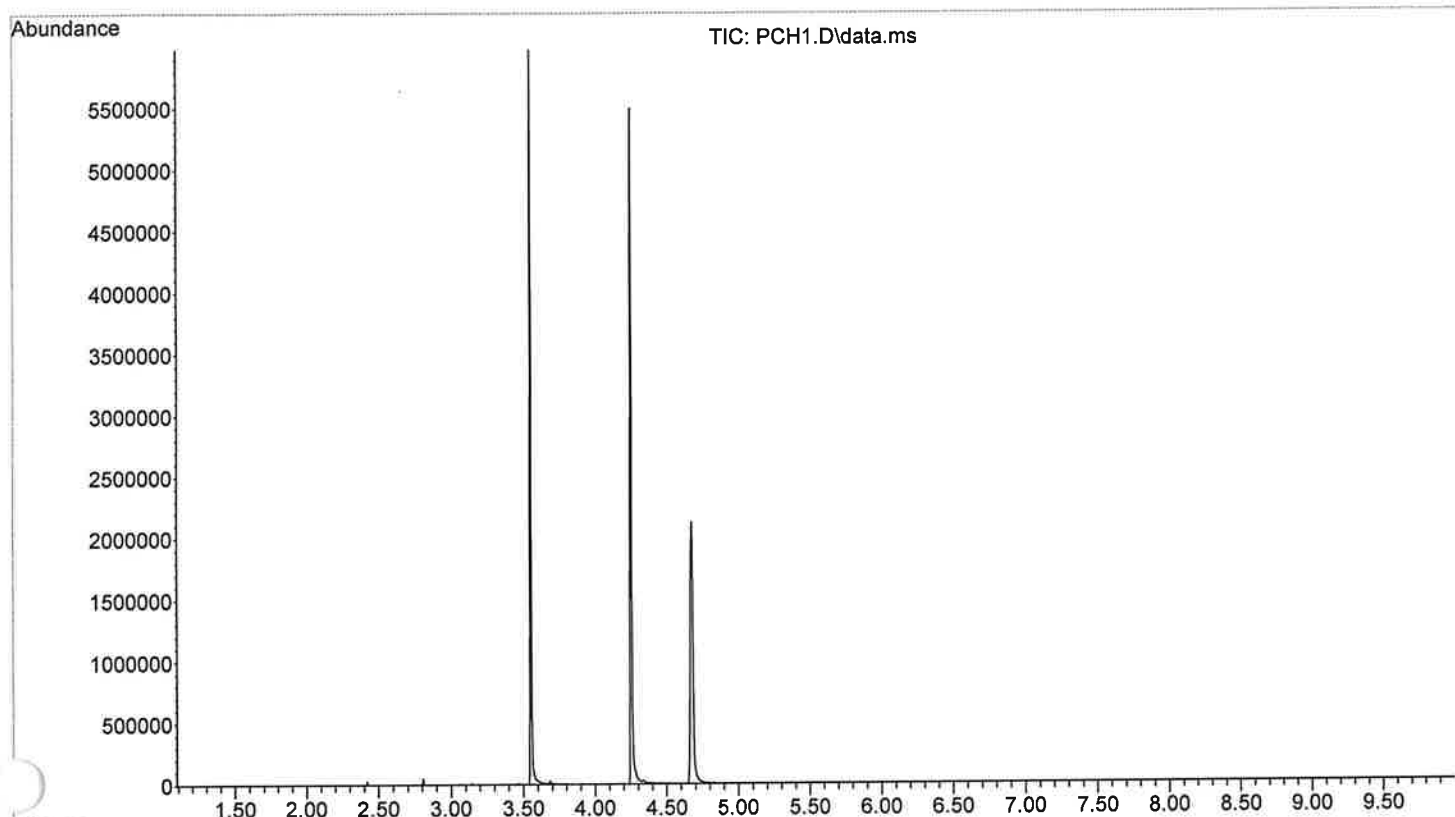
File :X:\2023\GJG\2-13-23\MV213\PCH1.D
Operator :
Acquired : 15 Feb 2023 10:22 using AcqMethod ASMSDRUGS60.M
Instrument : Donna2
Sample Name: CALIBRATION STANDARD -- 60-280 wash51
Mi Info : PETHIDINE / COCAINE / HYDROCODONE
Vi Number: 3



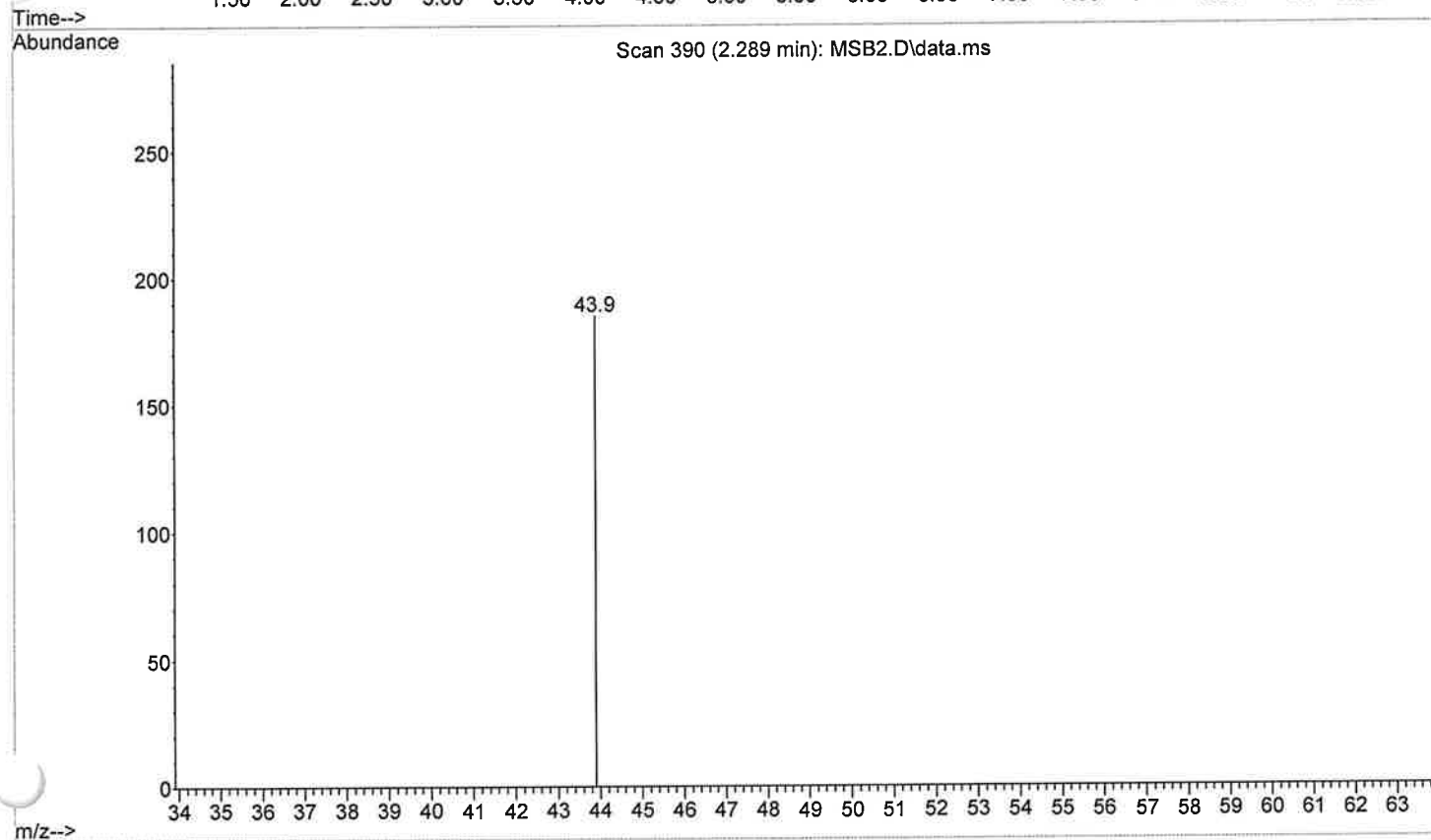
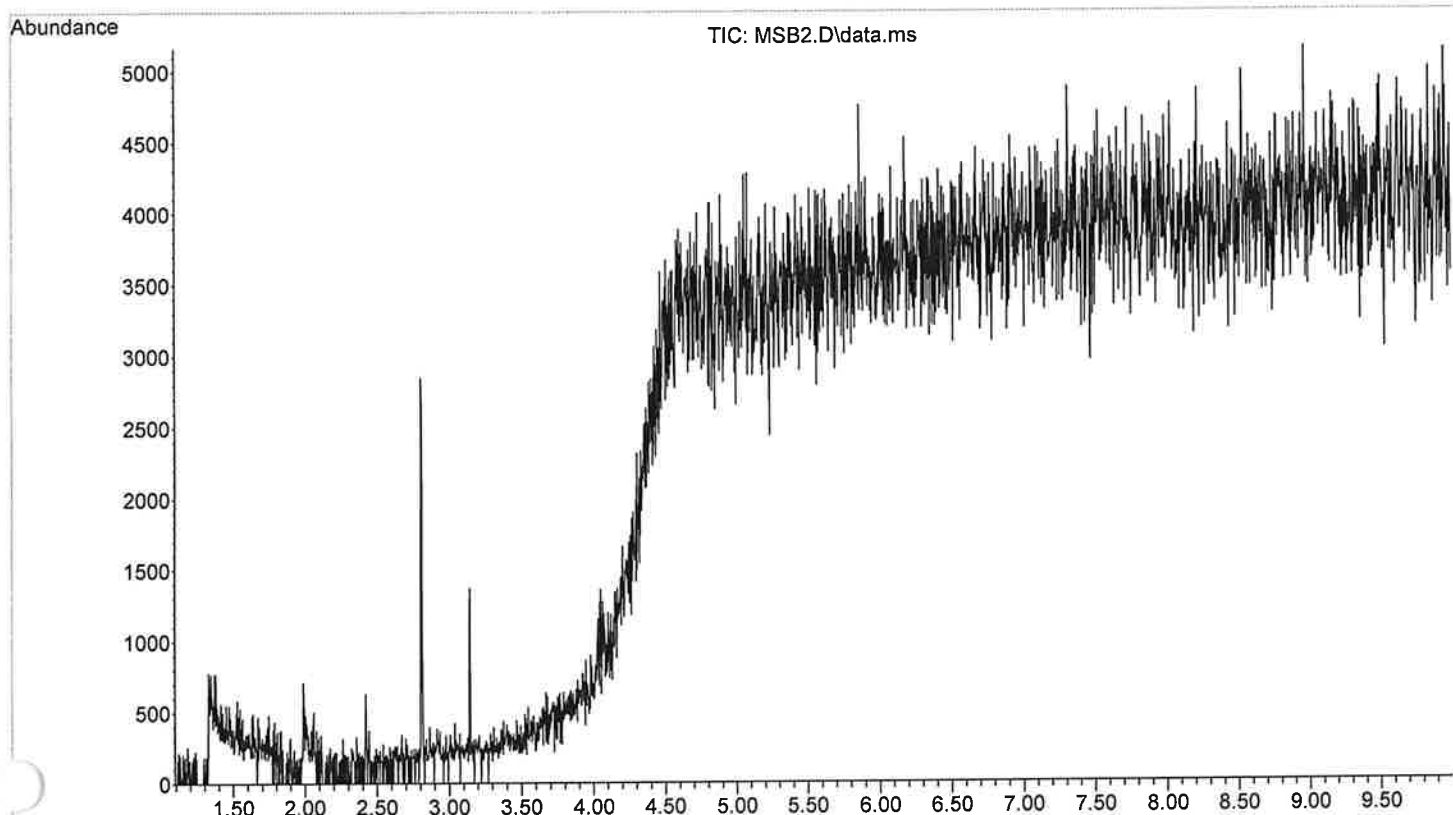
File :X:\2023\GJG\2-13-23\MV213\PCH1.D
Operator :
Acquired : 15 Feb 2023 10:22 using AcqMethod ASMSDRUGS60.M
Instrument : Donna2
Sample Name: CALIBRATION STANDARD -- 60-280 wash51
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
V: Number: 3



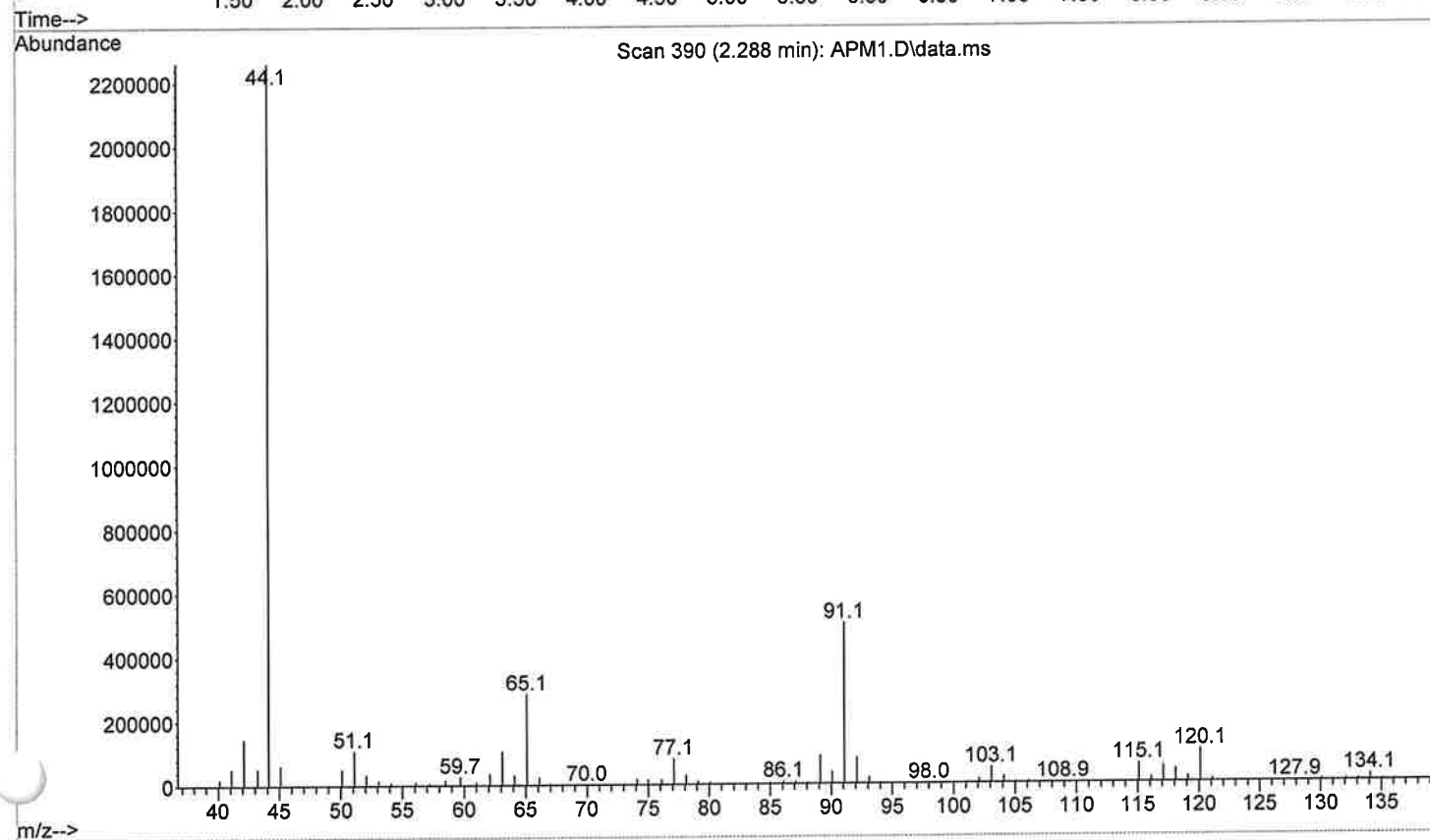
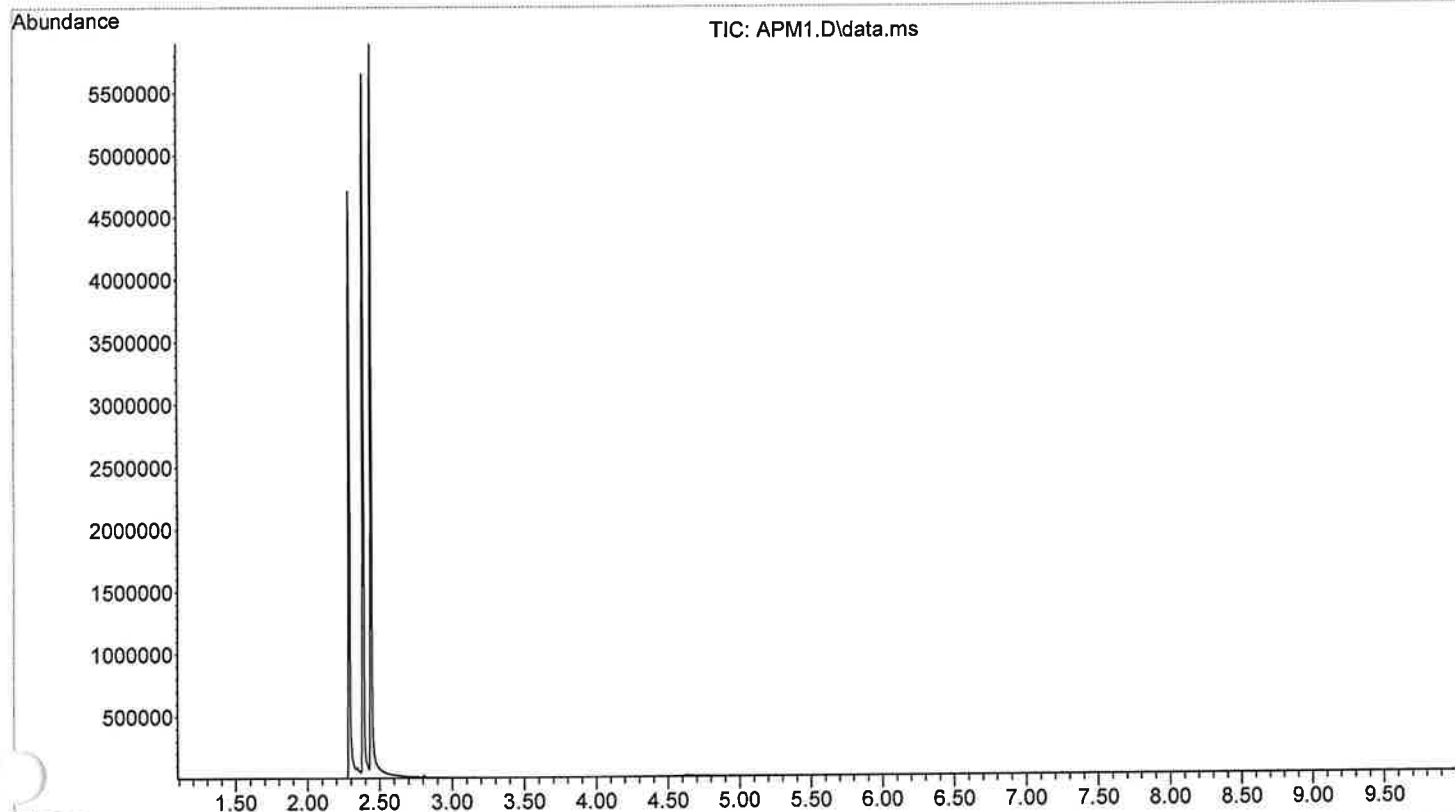
File :X:\2023\GJG\2-13-23\MV213\PCH1.D
Operator :
Acquired : 15 Feb 2023 10:22 using AcqMethod ASMSDRUGS60.M
Instrument : Donna2
Sample Name: CALIBRATION STANDARD -- 60-280 wash51
Mi Info : PETHIDINE / COCAINE / HYDROCODONE
V: Number: 3



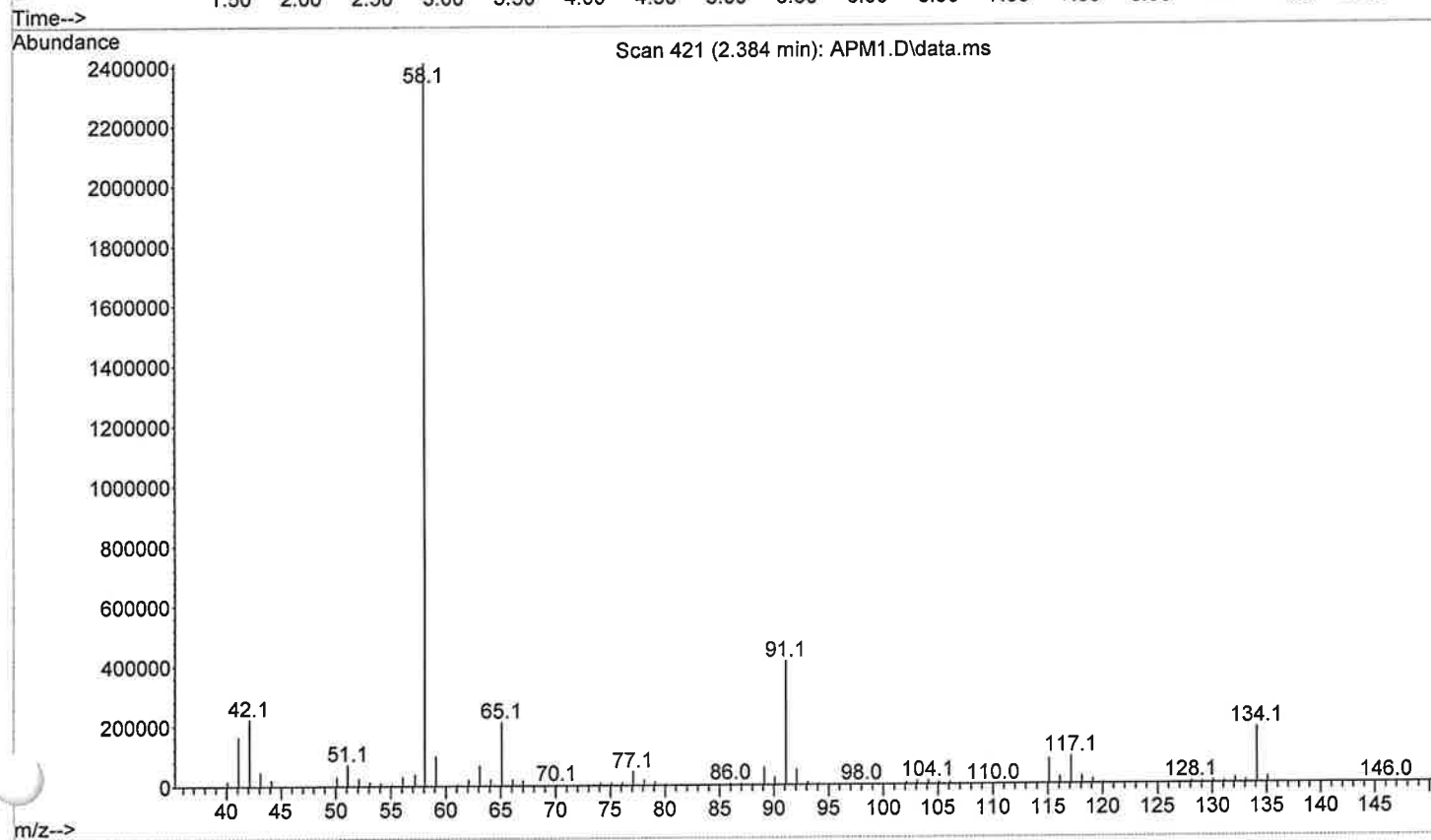
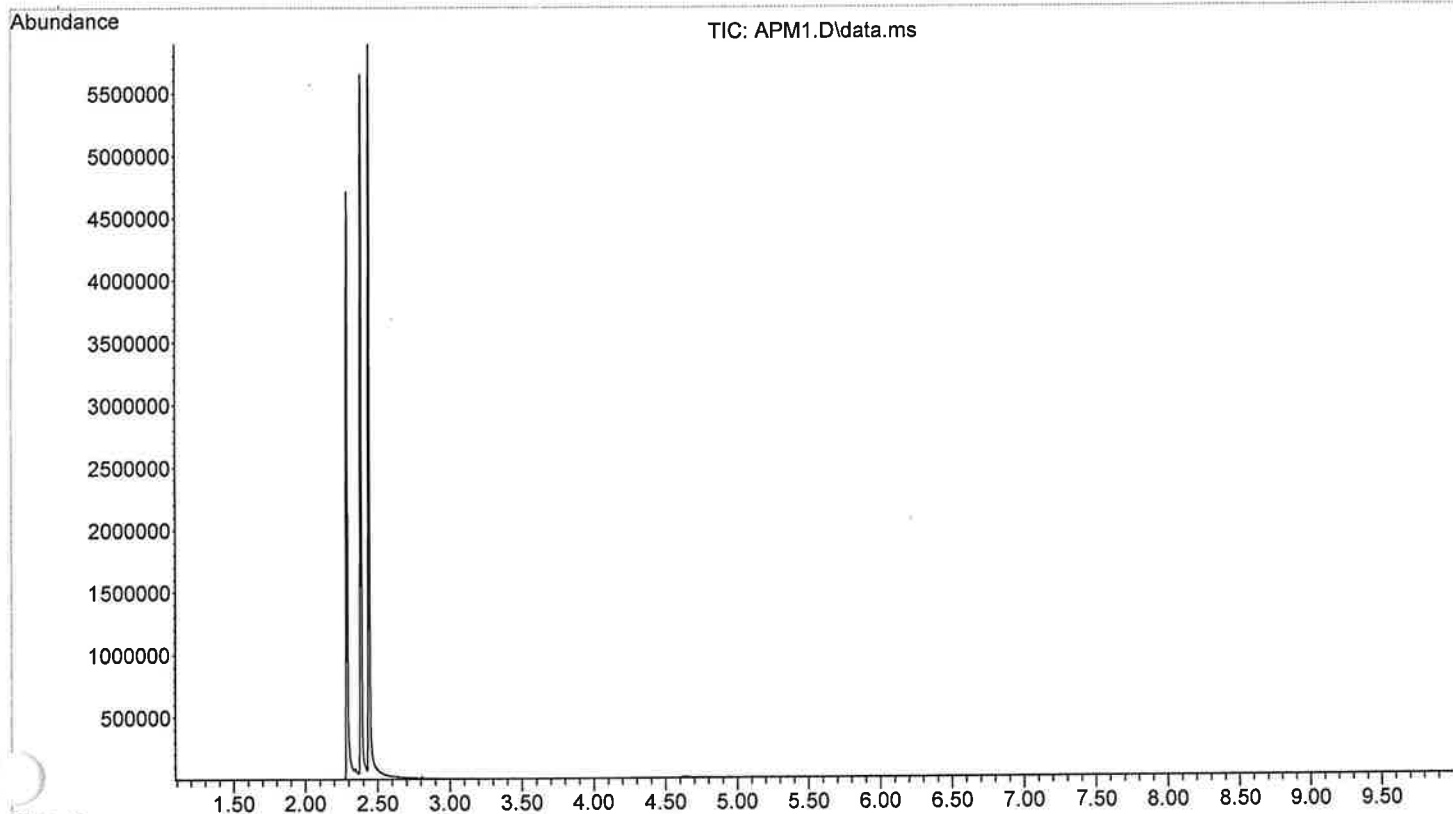
File :X:\2023\GJG\2-13-23\MV213\MSB2.D
Operator :
Acquired : 15 Feb 2023 10:52 using AcqMethod ASMSDRUGS60.M
Instrument : Donna2
Sample Name: ME0H B FOR GC/IR TEST SOLUTION
Misc Info : 60-280
V: Number: 2



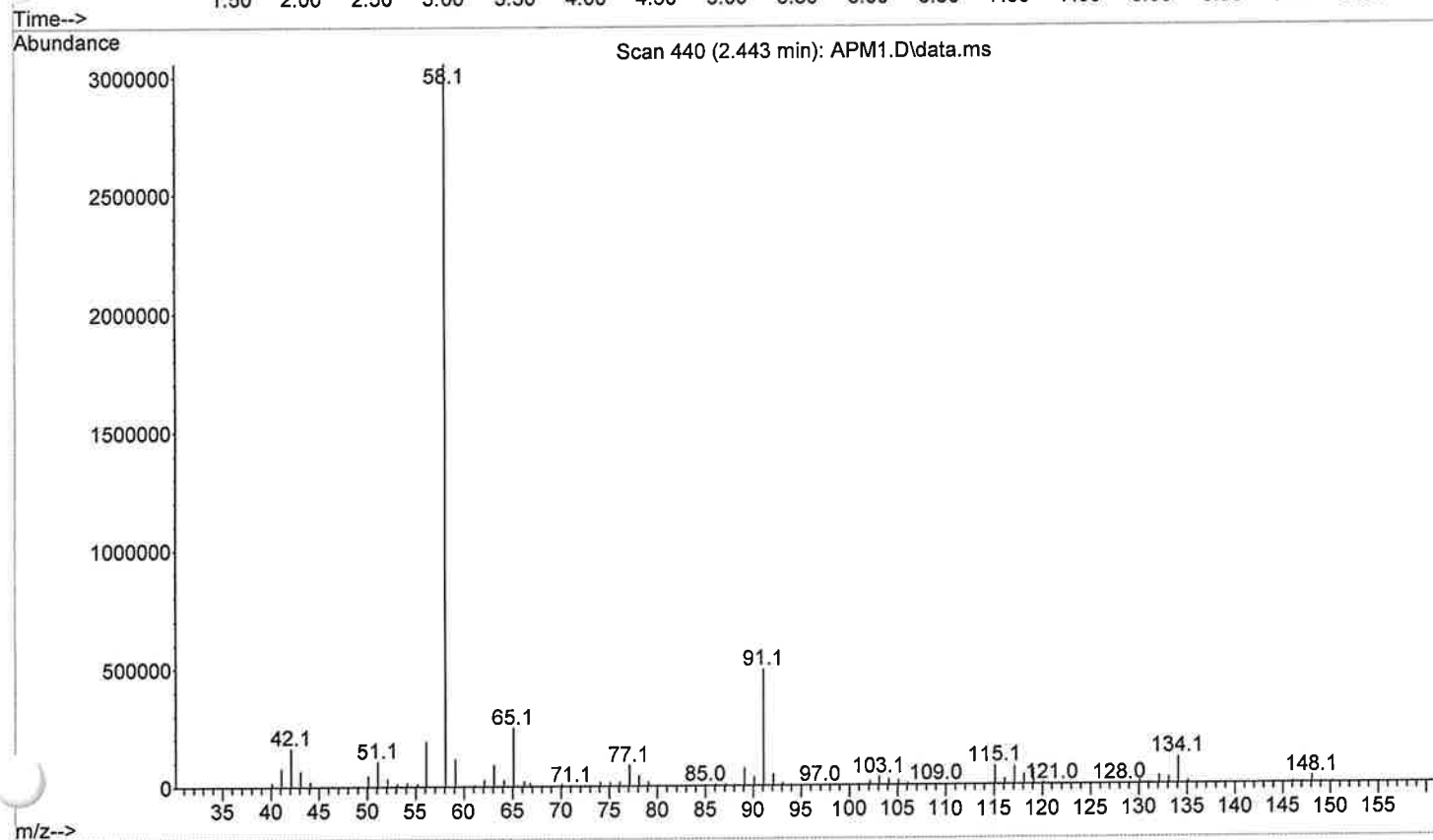
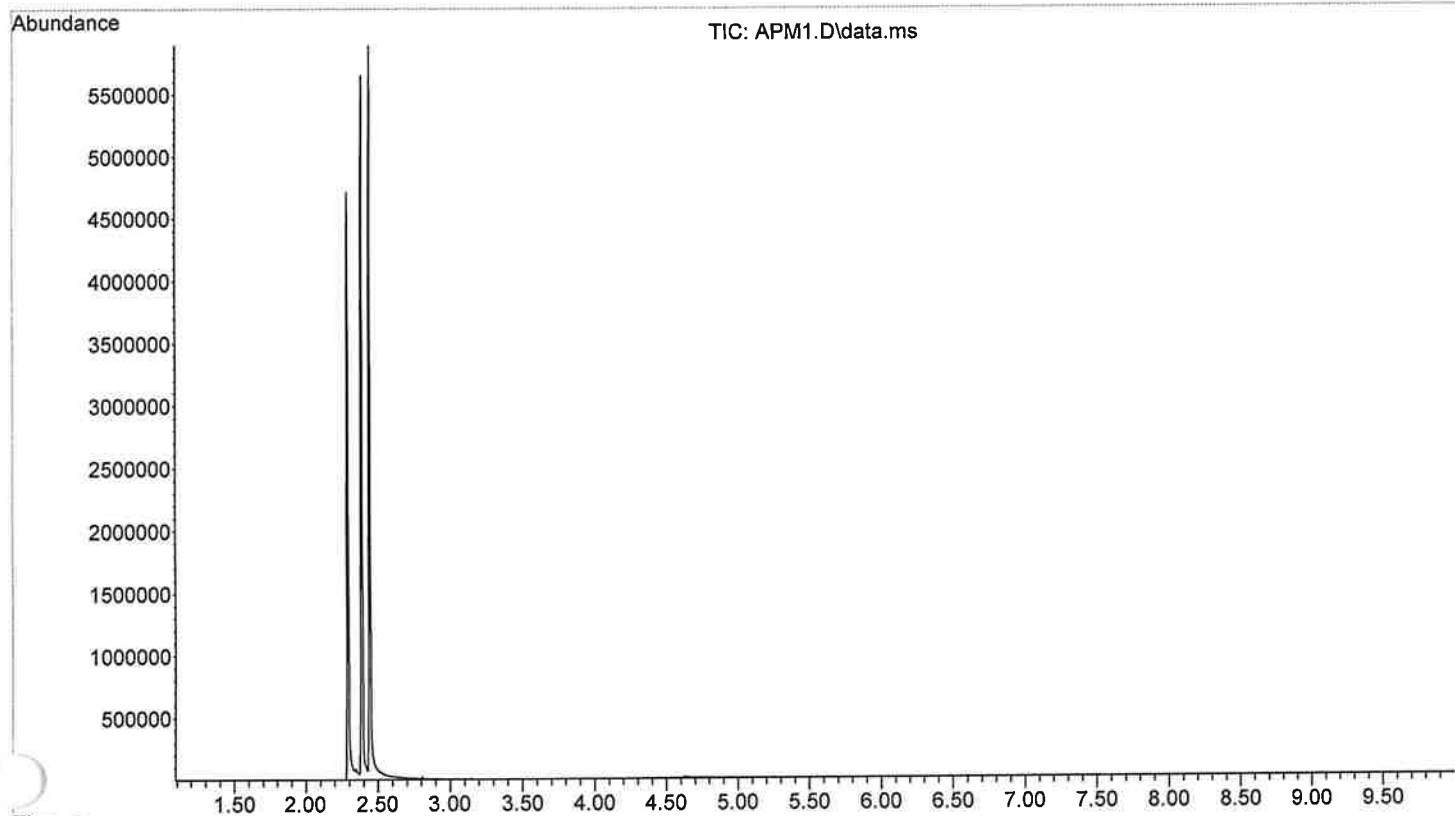
File :X:\2023\GJG\2-13-23\MV213\APM1.D
Operator :
Acquired : 15 Feb 2023 11:08 using AcqMethod ASMSDRUGS60.M
Instrument : Donna2
Sample Name: GC/IR TEST SOLUTION -- 60-280
Mi Info : AMPHETAMINE / PHENTERMINE / METHAMPHETAMINE
Vi Number: 4



File :X:\2023\GJG\2-13-23\MV213\APM1.D
Operator :
Acquired : 15 Feb 2023 11:08 using AcqMethod ASMSDRUGS60.M
Instrument : Donna2
Sample Name: GC/IR TEST SOLUTION -- 60-280
Mi Info : AMPHETAMINE / PHENTERMINE / METHAMPHETAMINE
Vi Number: 4



File :X:\2023\GJG\2-13-23\MV213\APM1.D
Operator :
Acquired : 15 Feb 2023 11:08 using AcqMethod ASMSDRUGS60.M
Instrument : Donna2
Sample Name: GC/IR TEST SOLUTION -- 60-280
Mix Info : AMPHETAMINE / PHENTERMINE / METHAMPHETAMINE
Vial Number: 4



METHOD CONTROL PARAMETERS

Method Information for: E:\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:

Auto Sample MS Drugs100-280 30 minutes

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	E:\methods\ASMSDRUGSTI.M
Tune file	atune.u
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
Acquisition Type	Scan
Stop time (min)	650.00
Solvent delay (min)	1.00
Trace Ion Detection	False
Delta EMV	0
EM Saver	False
EM Saver Limit	N/A

Scan Time Segments

Time	Start Mass	End Mass	Threshold	Scan Speed
1.00	40	550	150	3,125 [N=1]

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
Extracted Ion	Scan 1-2	40	550

Self-Cleaning Ion Source Parameters

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

E:\methods\ASMSDRUGSTI.M
Mon Mar 13 17:48:06 2023

Control Information

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

No Sample Prep method has been assigned to this method.

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

Oven
Temperature
Setpoint On
(Initial) 100 °C
Hold Time 1 min
Post Run 0 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 26.43 min

Equilibration Time 0.5 min
Ex Temperature 305 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Injection Repetitions 1
Injection Delay 0 sec
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 2
Solvent A Volume 8 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 2
Solvent B Volume 8 µL
Sample Washes 1
Sample Wash Volume 8 µL
Sample Pumps 2
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 300 µL/min
Solvent Wash Dispense Speed 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

Solvent Wash Mode	A, B
Back Injector	
Syringe Size	10 µL
Injection Volume	1 µL
Injection Repetitions	1
Injection Delay	0 sec
Solvent A Washes (PreInj)	2
Solvent A Washes (PostInj)	0
Solvent A Volume	8 µL
Solvent B Washes (PreInj)	2
Solvent B Washes (PostInj)	0
Solvent B Volume	8 µL
Sample Washes	0
Sample Wash Volume	8 µL
Sample Pumps	6
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Solvent Wash Mode	A, B
ALS Errors	Pause for user interaction
Front SS Inlet He	
Mode	Split
Heater	On 250 °C
Pressure	On 10.401 psi
Gas Saver	Off
Split Ratio	50 :1
Split Flow	48.428 mL/min
Liner	A Liner has not been selected.
Back SS Inlet He	
Mode	Split
Heater	On 250 °C
Pressure	On 6.7158 psi
Gas Saver	Off
Split Ratio	50 :1
Split Flow	50.309 mL/min
Liner	A Liner has not been selected.
Thermal Aux 2 (MSD Transfer Line)	
Temperature	
Setpoint	On
(Initial)	280 °C
Hold Time	0 min
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	0.96856 mL/min
Hold Time	0 min
Post Run	0.969 mL/min
Column Information	J&W01
Temperature Range	-60 °C-305 °C (305 °C)

Dimensions	12.5 m x 200 µm x 0.33 µm
Column lock	Unlocked
In	Front SS Inlet He
Out	MSD
Column Outlet Pressure	MSD
(Initial)	100 °C
Pressure	10.402 psi
Flow	0.96856 mL/min
Average Velocity	56.859 cm/sec
Holdup Time	0.3664 min
Control Mode	Constant Flow
Column #2	
Pressure	
Setpoint	On
(Initial)	6.7158 psi
Hold Time	0 min
Post Run	0 psi
Column Information	AB003
Temperature Range	-60 °C-305 °C (305 °C)
Dimensions	30 m x 320 µm x 1 µm
Column lock	Unlocked
In	Back SS Inlet He
Out	Front Detector FID
Column Outlet Pressure	0 psi
(Initial)	100 °C
Pressure	6.7158 psi
Flow	1.0062 mL/min
Average Velocity	21.266 cm/sec
Holdup Time	2.3512 min
Control Mode	Ramped Pressure
Front Detector FID	
Makeup	He
Water	On 250 °C
H ₂ Flow	Off
Air Flow	Off
Makeup Flow	On 45 mL/min
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	Off
Signals	
Signal #1: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	Off
Data Rate	20 Hz
Dual Injection Assignment	Front Sample
Signal #2: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	Off
Data Rate	20 Hz
Dual Injection Assignment	Back Sample

Column 1 Inventory Number :
Column 2 Inventory Number :

TUNE PARAMETERS for SN: US10423616

Trace Ion Detection is OFF.

34.610	:	EMISSION	
70.347	:	ENERGY	
33.279	:	REPELLER	
90.157	:	IONFOCUS	
22.000	:	ENTRANCE LENS	
894.118	:	EMVOLTS	
		1023.529	: Actual EMV
		0.99	: GAIN FACTOR
1672.000	:	AMUGAIN	
120.500	:	AMUOFFSET	
2.000	:	FILAMENT	
0.000	:	DCPOLARITY	
19.075	:	ENTLENSOFFSET	
-820.000	:	MASSGAIN	
-32.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

Method Path : E:\methods\
Method File : ASMSDRUGSTI.M
Title :
1st Update :
Response Via : Initial Calibration

Total Cpnds : 0

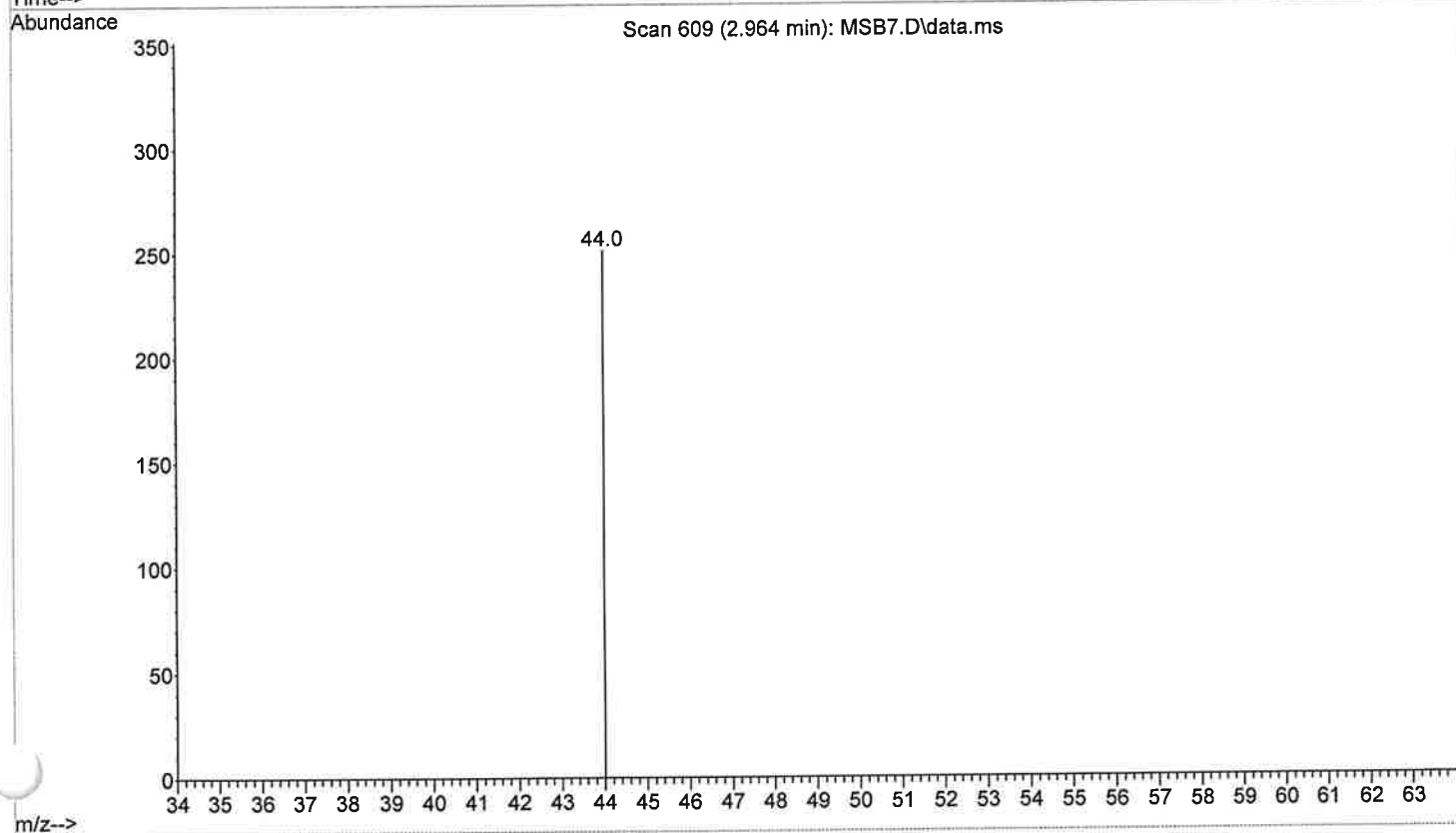
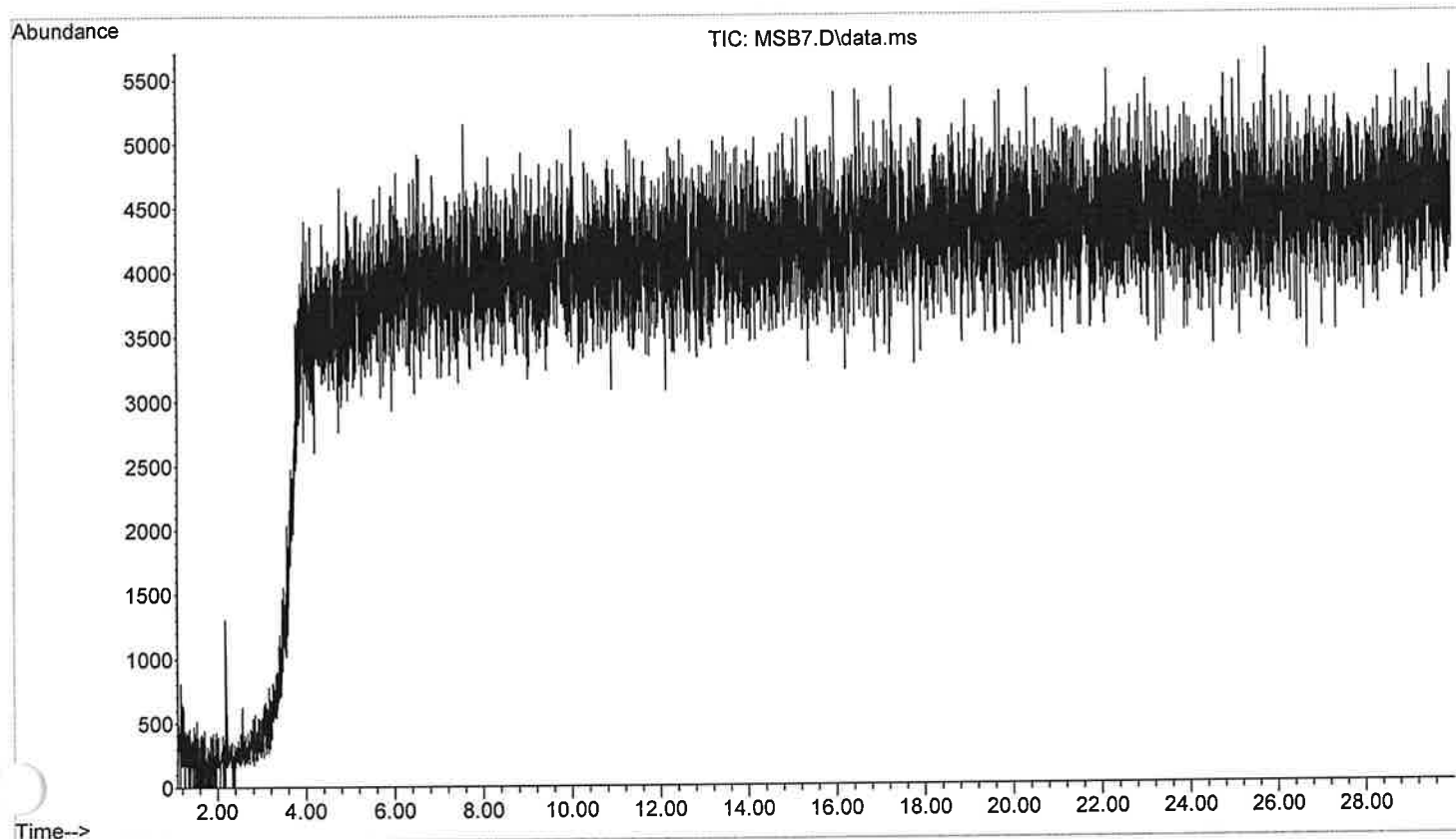
PK#	Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
-----	---------------	------	--------	--------	-----	-------	-----	----

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers

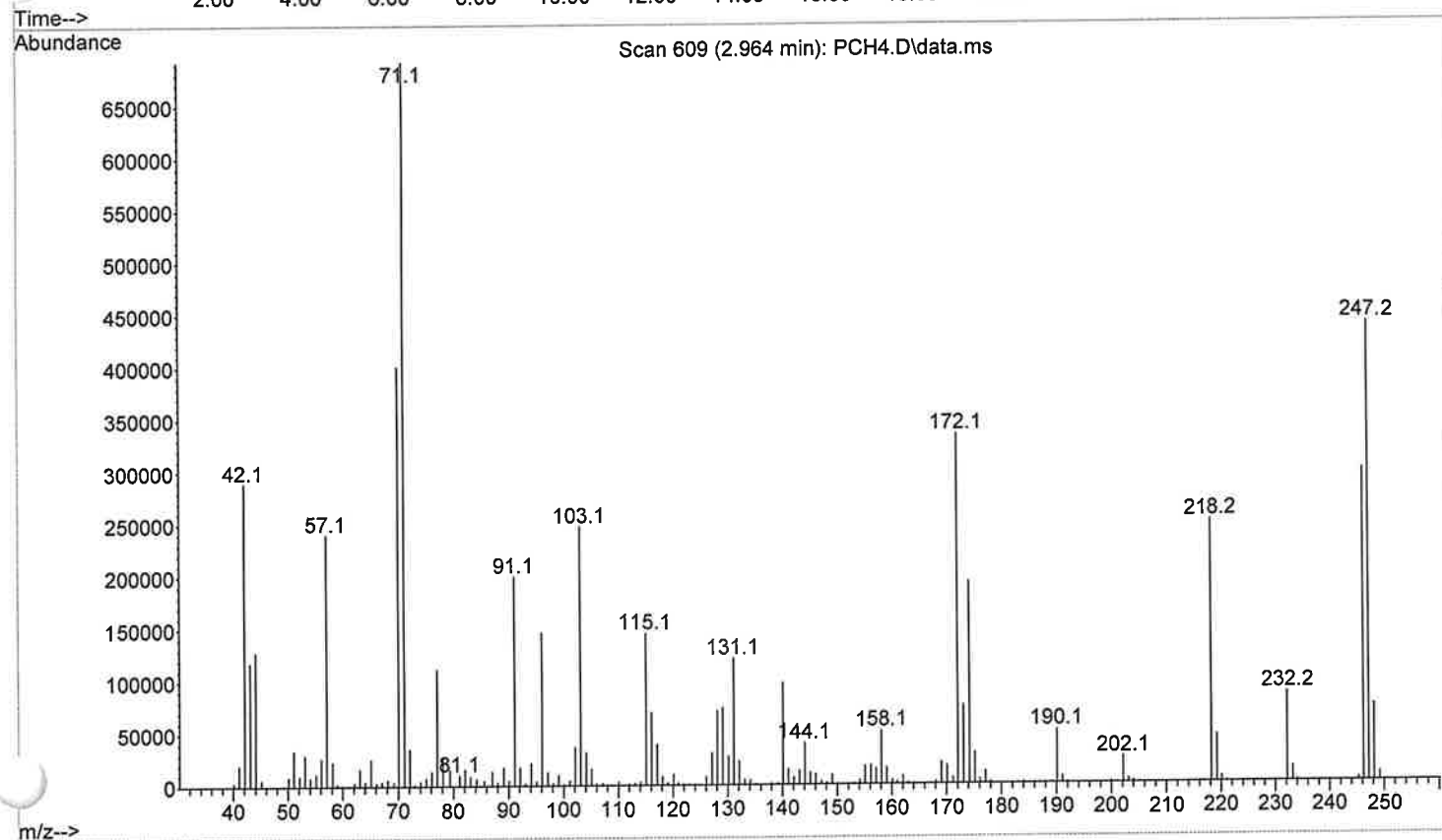
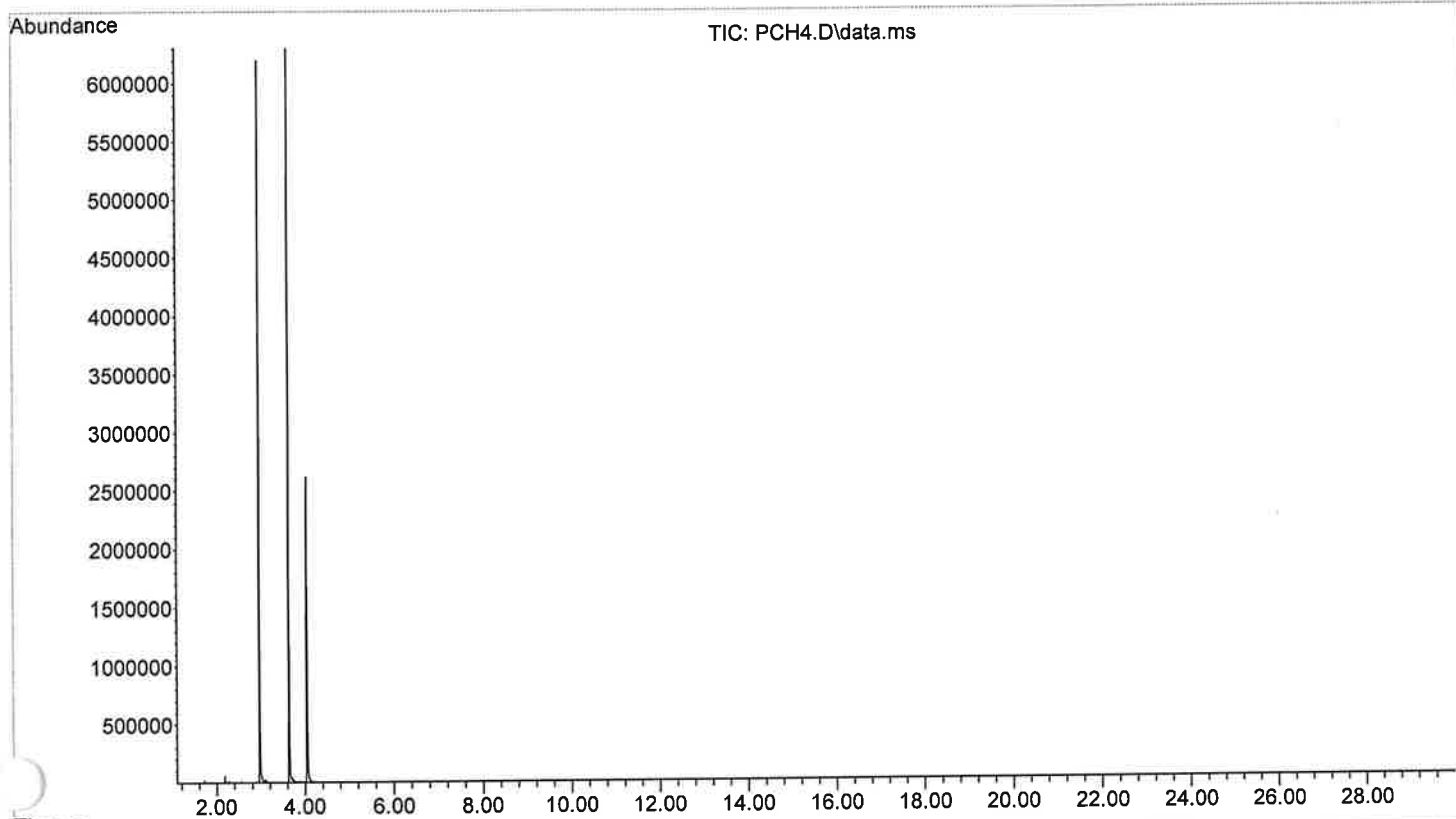
A/H = Area or Height

ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

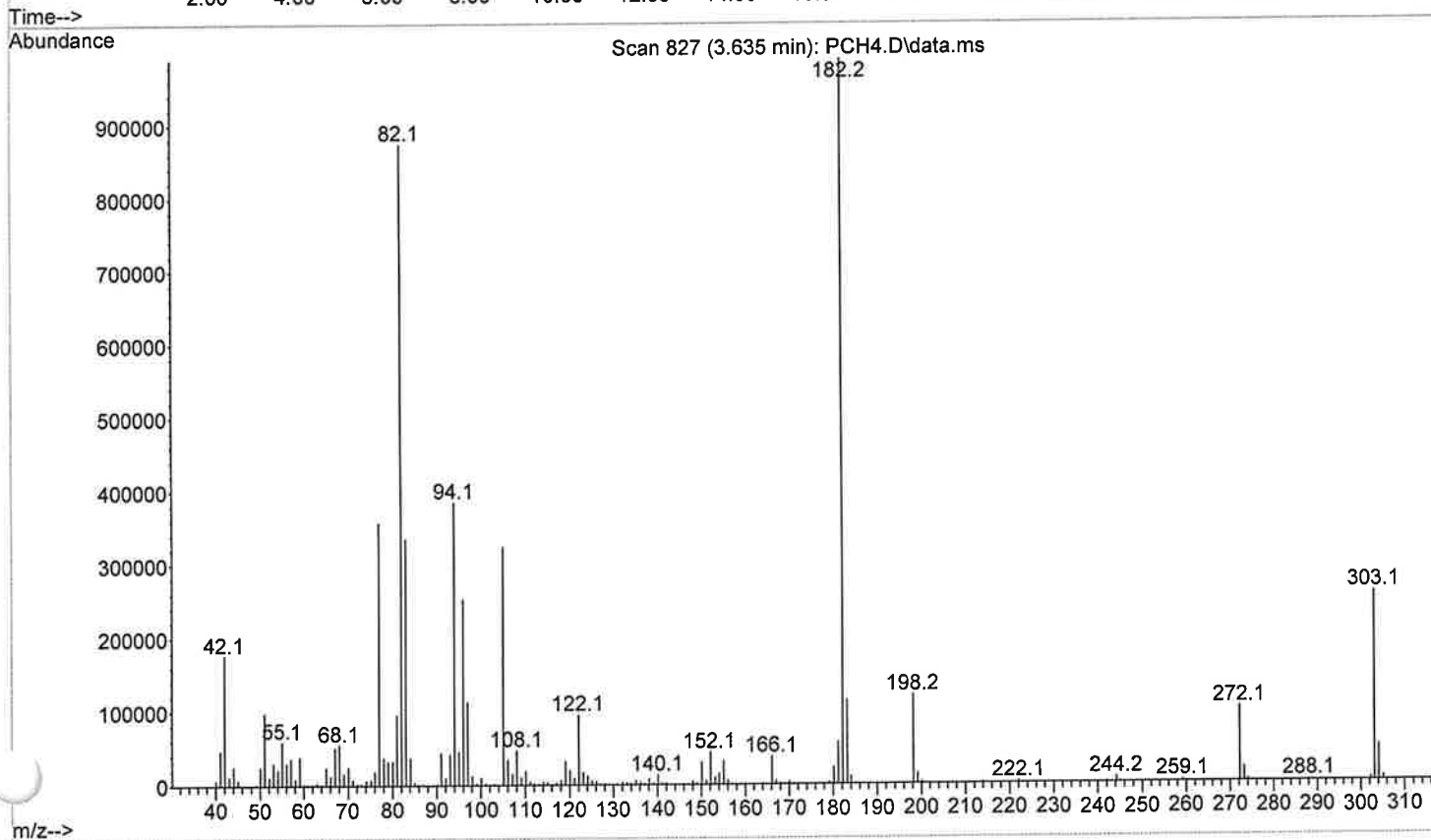
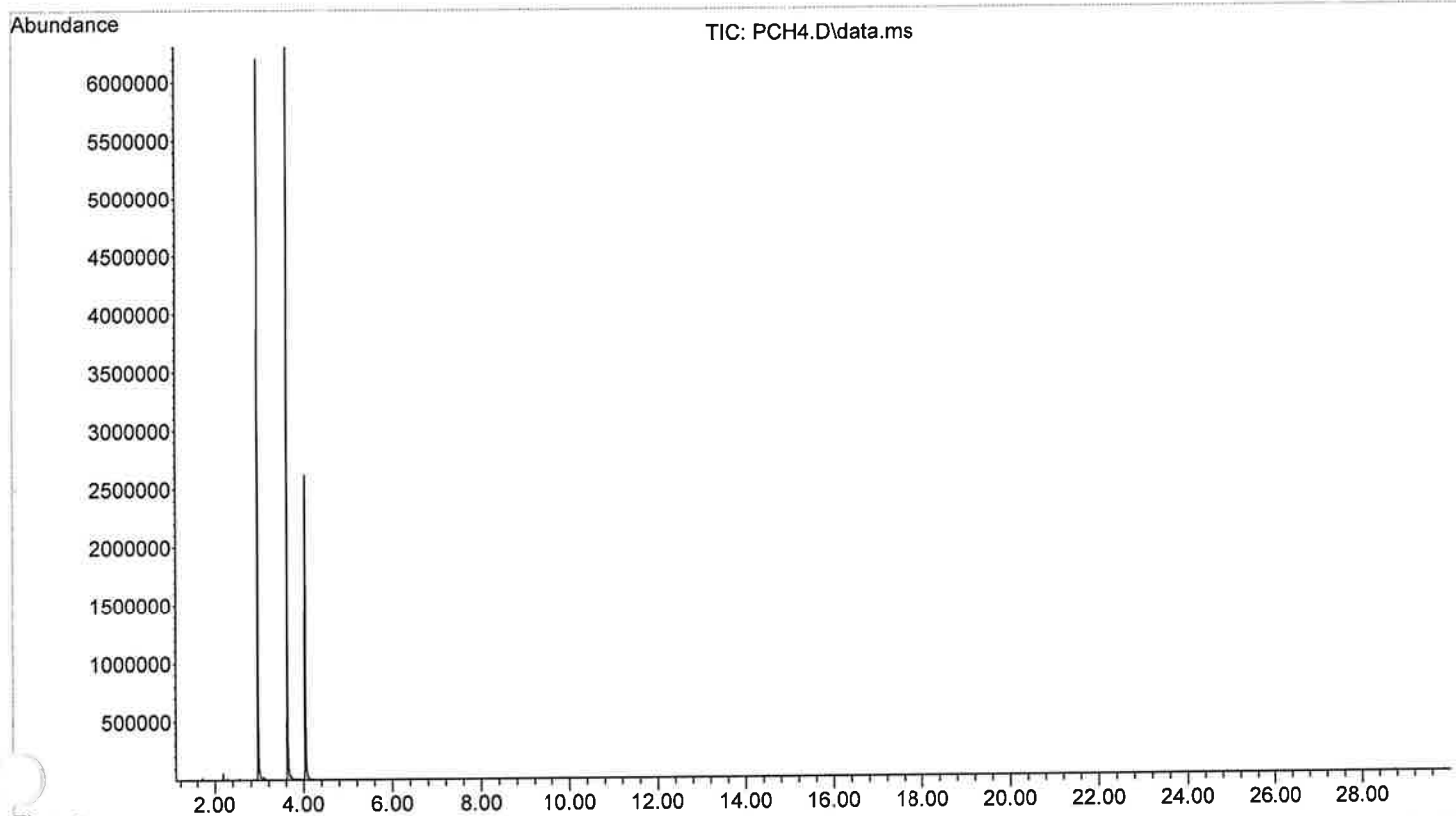
File :X:\2023\GJG\2-13-23\MV213\MSB7.D
Operator :
Acquired : 15 Feb 2023 14:24 using AcqMethod ASMSDRUGSTI.M
Instrument : Donna2
Sample Name: MEOH B FOR CALIBRATION STANDARD
Mi Info : 100-280
V: Number: 2



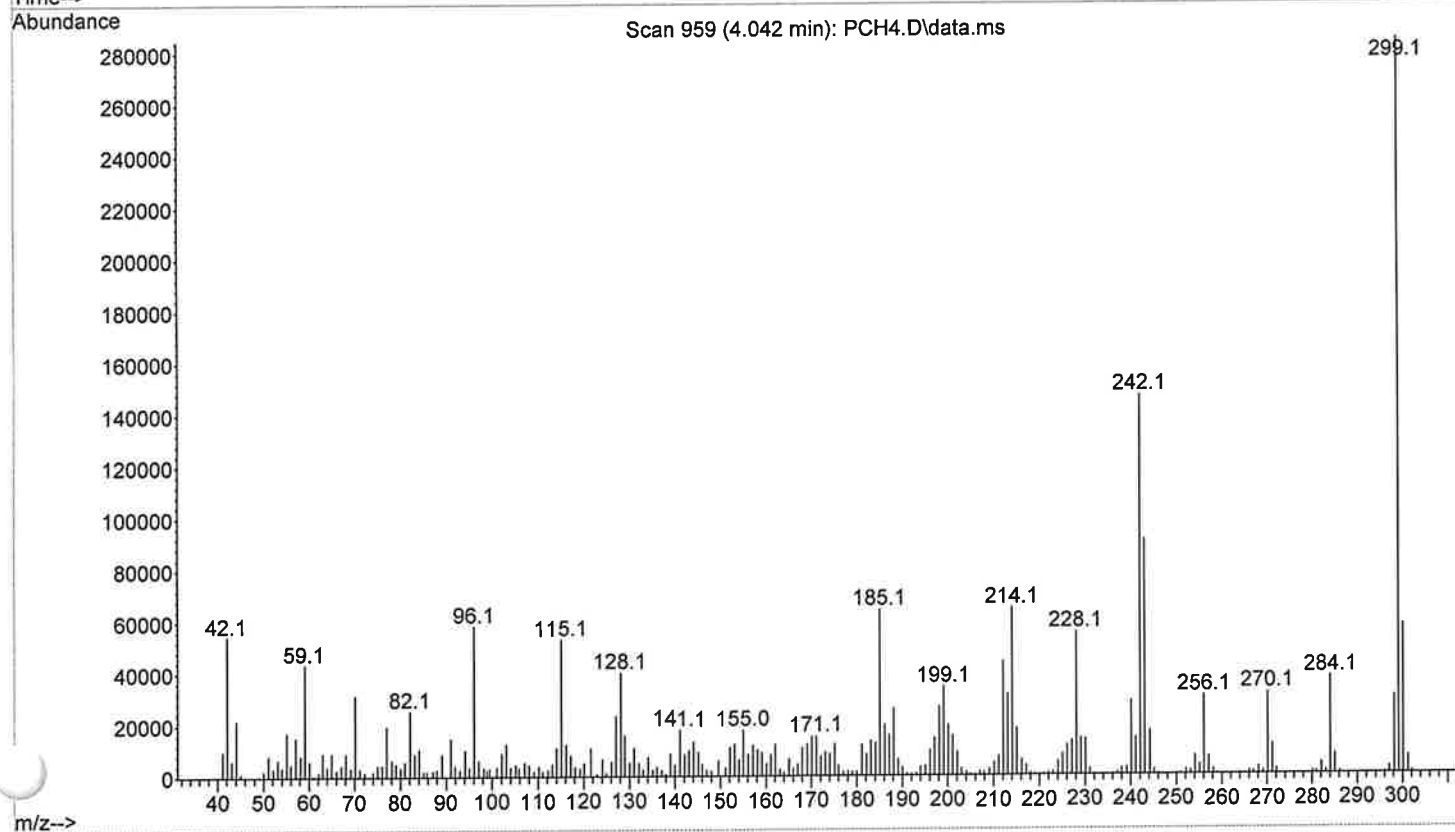
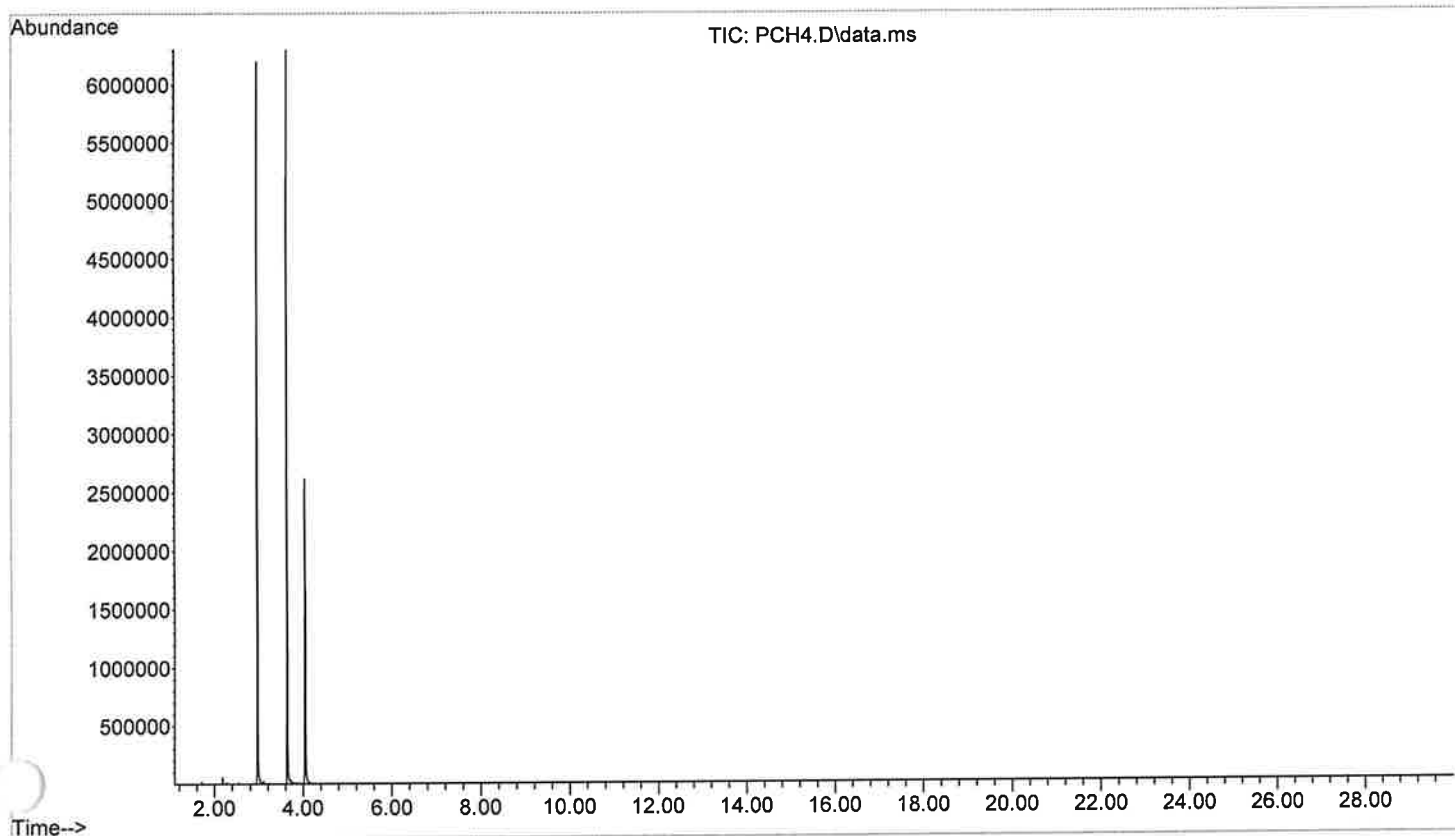
File :X:\2023\GJG\2-13-23\MV213\PCH4.D
Operator :
Acquired : 15 Feb 2023 14:58 using AcqMethod ASMSDRUGSTI.M
Instrument : Donna2
Sample Name: CALIBRATION STANDARD -- 100-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 3



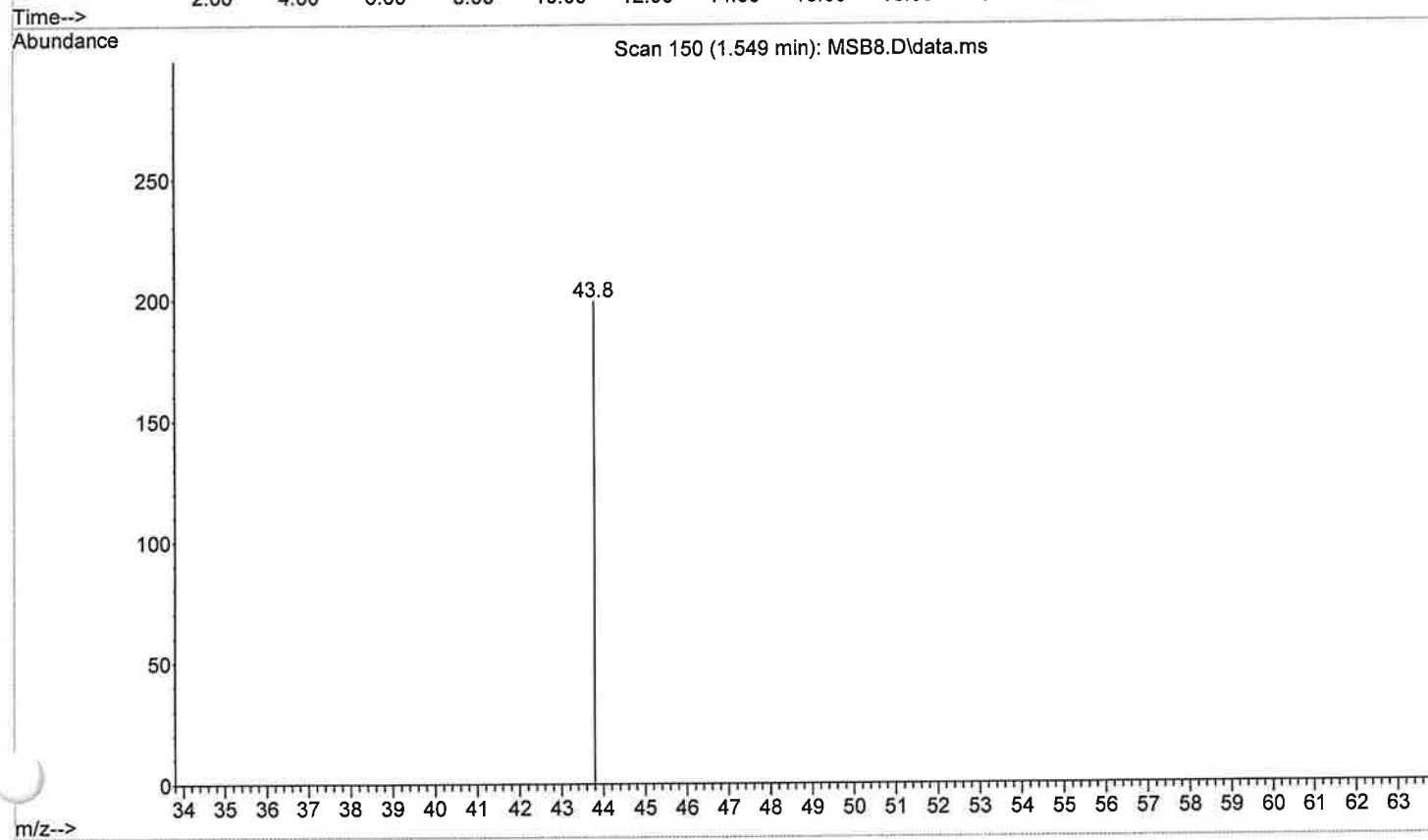
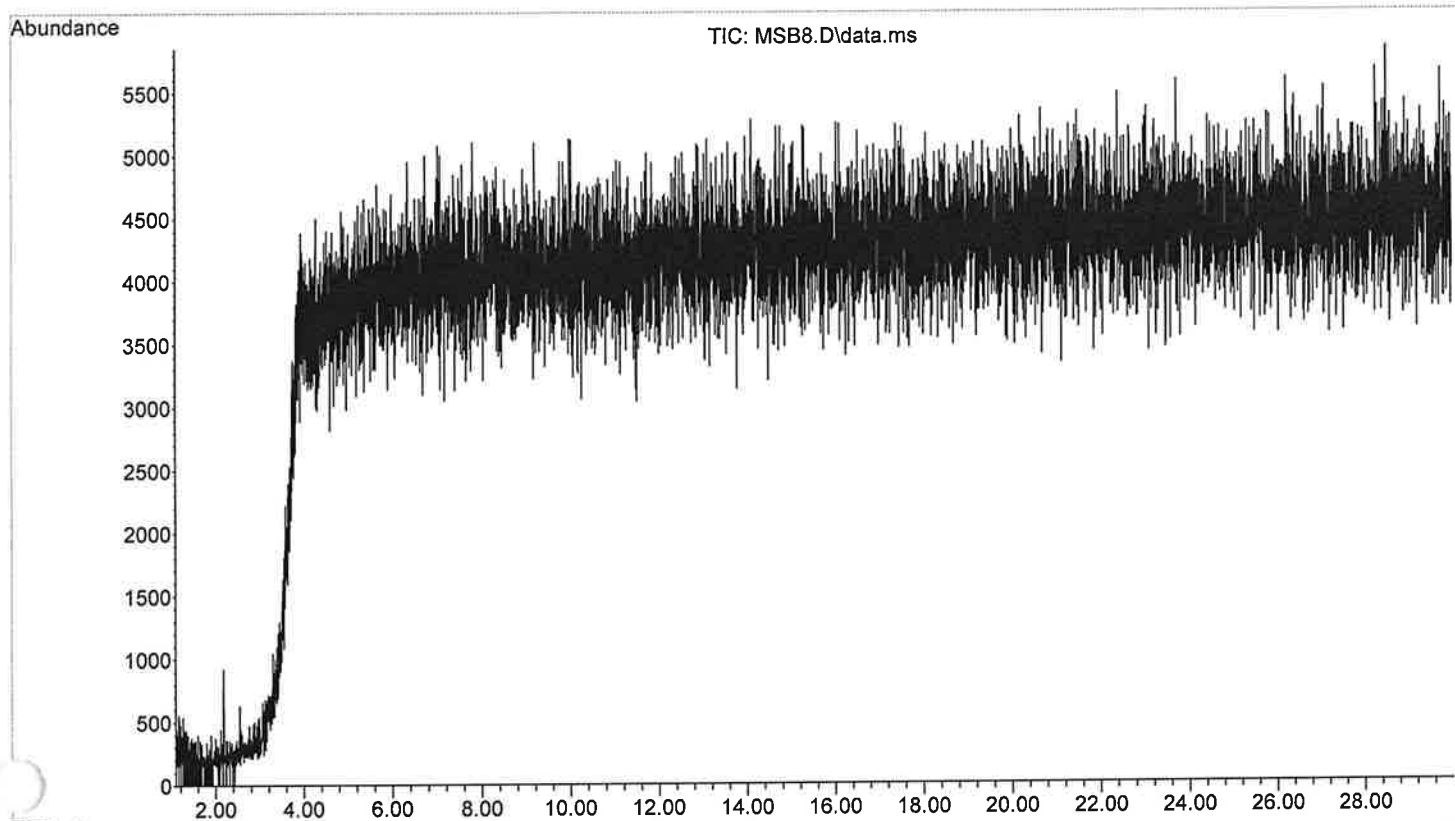
File :X:\2023\GJG\2-13-23\MV213\PCH4.D
Operator :
Acquired : 15 Feb 2023 14:58 using AcqMethod ASMSDRUGSTI.M
Instrument : Donna2
Sample Name: CALIBRATION STANDARD -- 100-280
Mi Info : PETHIDINE / COCAINE / HYDROCODONE
Vi Number: 3



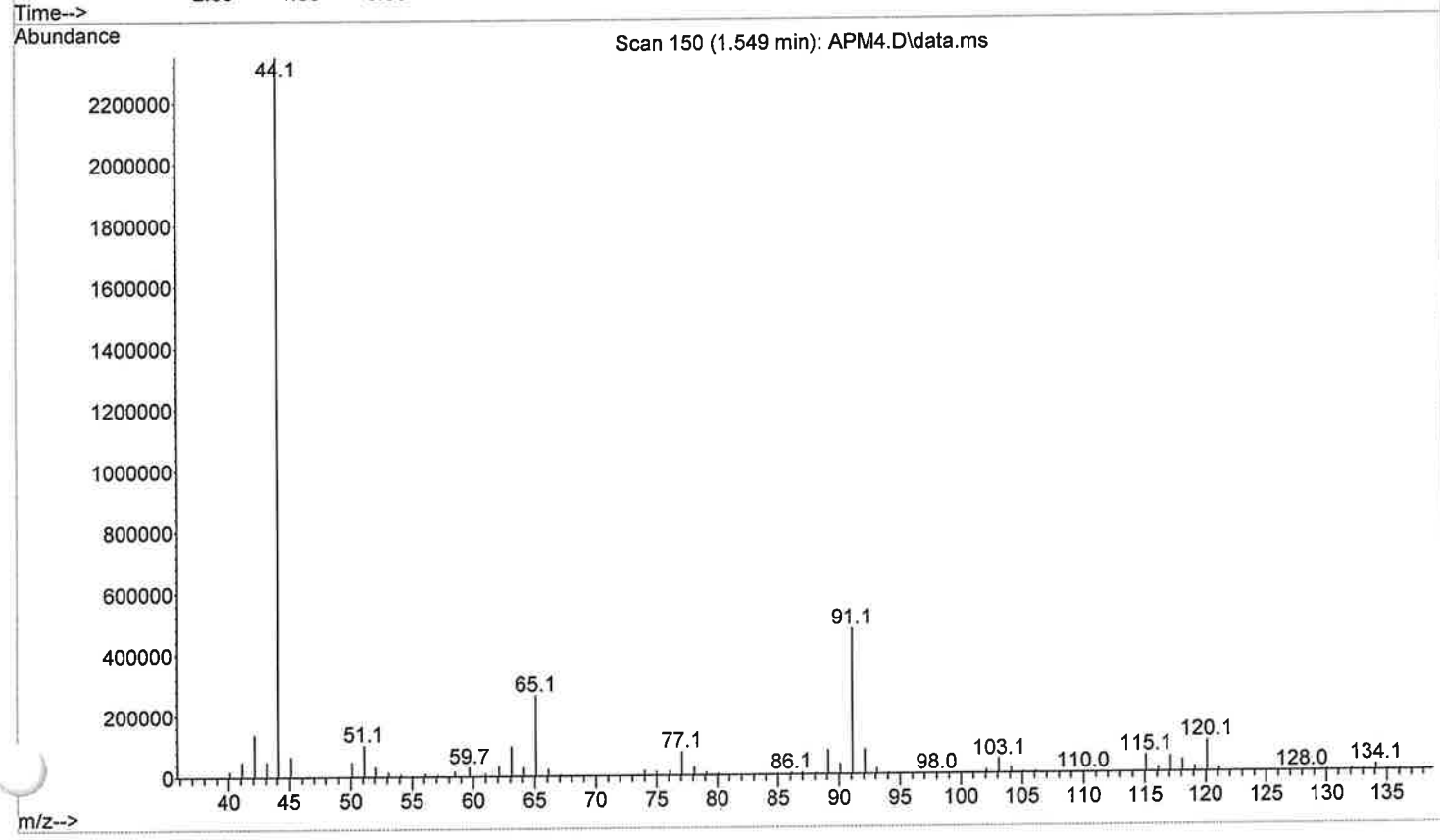
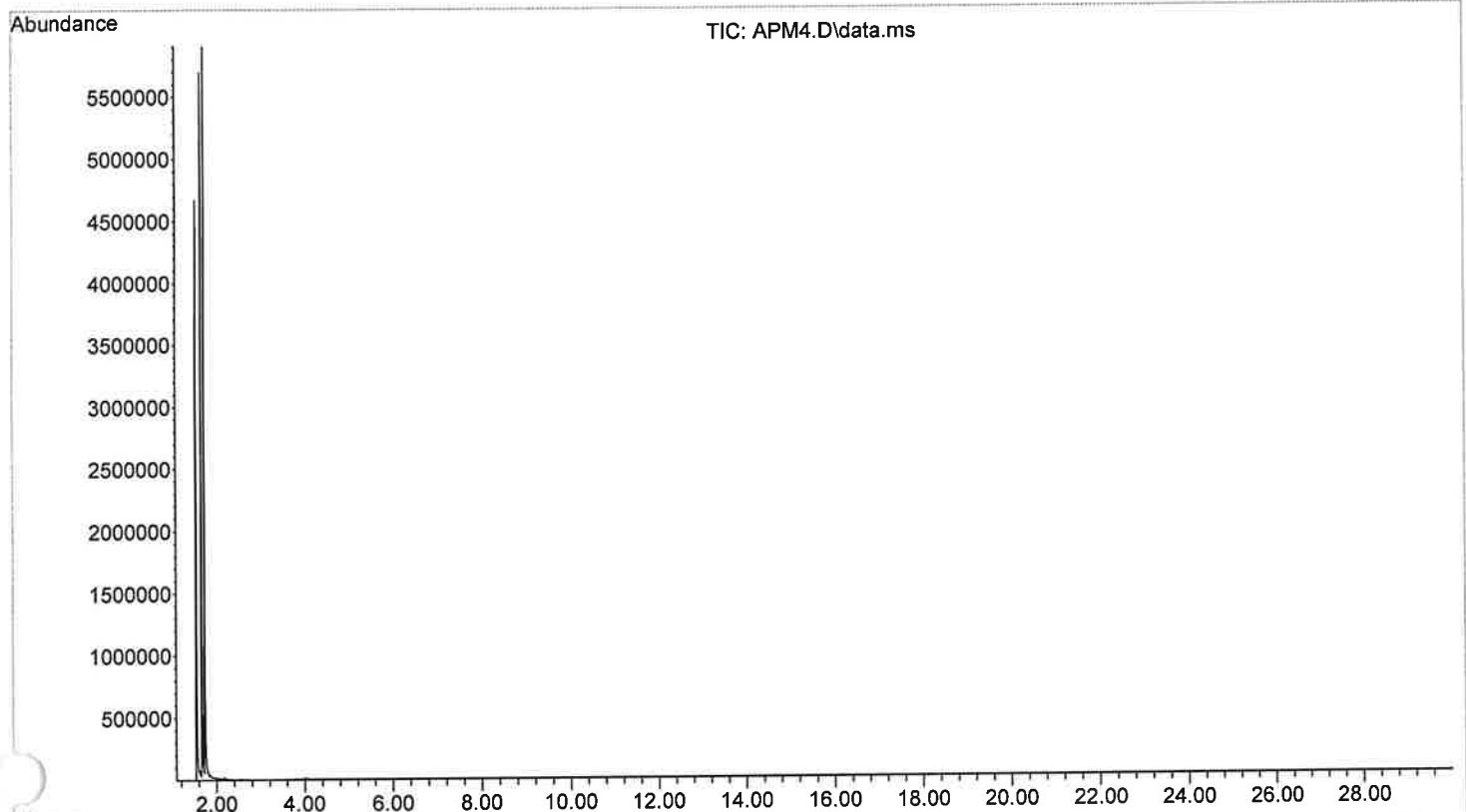
File :X:\2023\GJG\2-13-23\MV213\PCH4.D
Operator :
Acquired : 15 Feb 2023 14:58 using AcqMethod ASMSDRUGSTI.M
Instrument : Donna2
Sample Name: CALIBRATION STANDARD -- 100-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 3



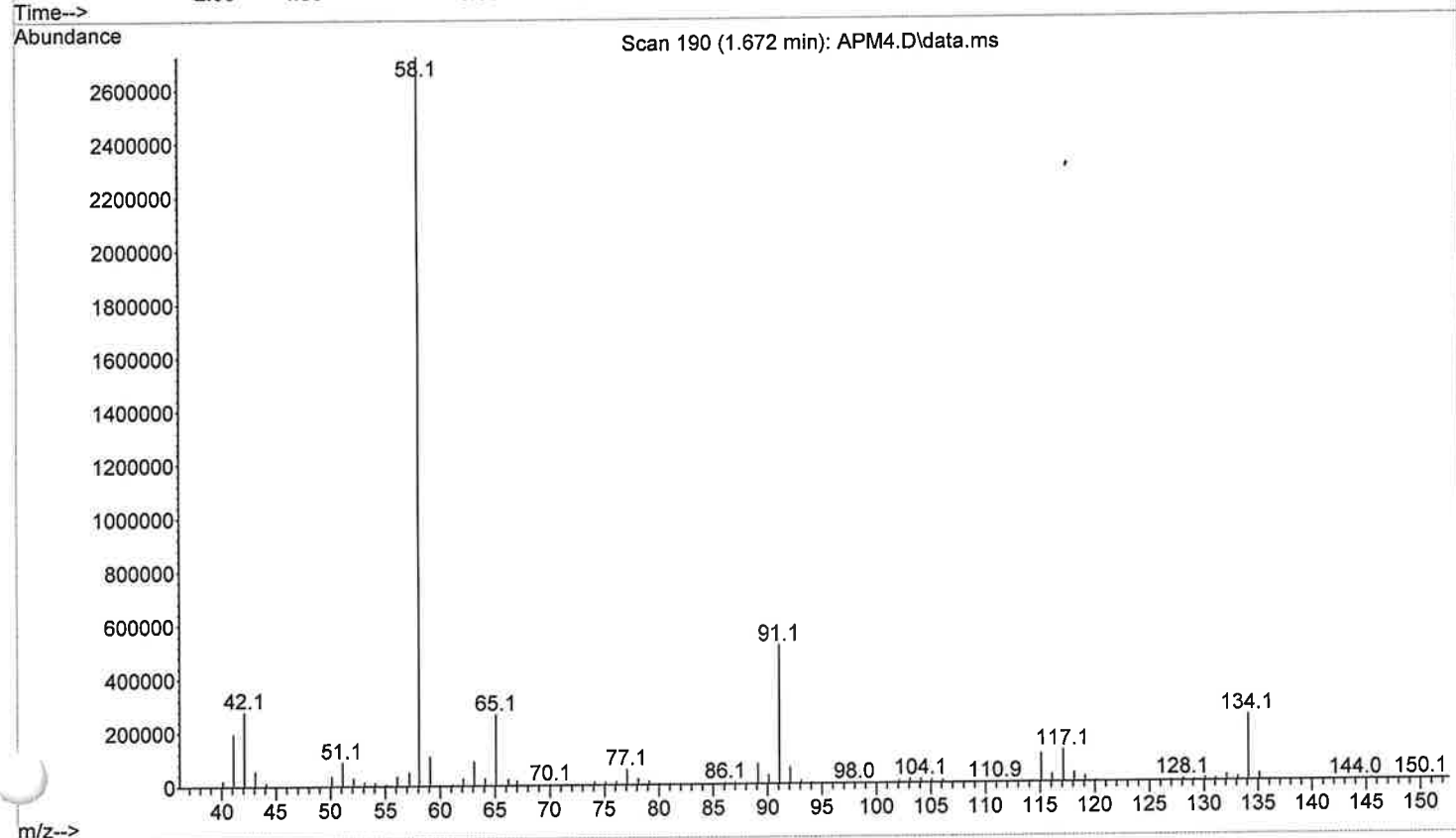
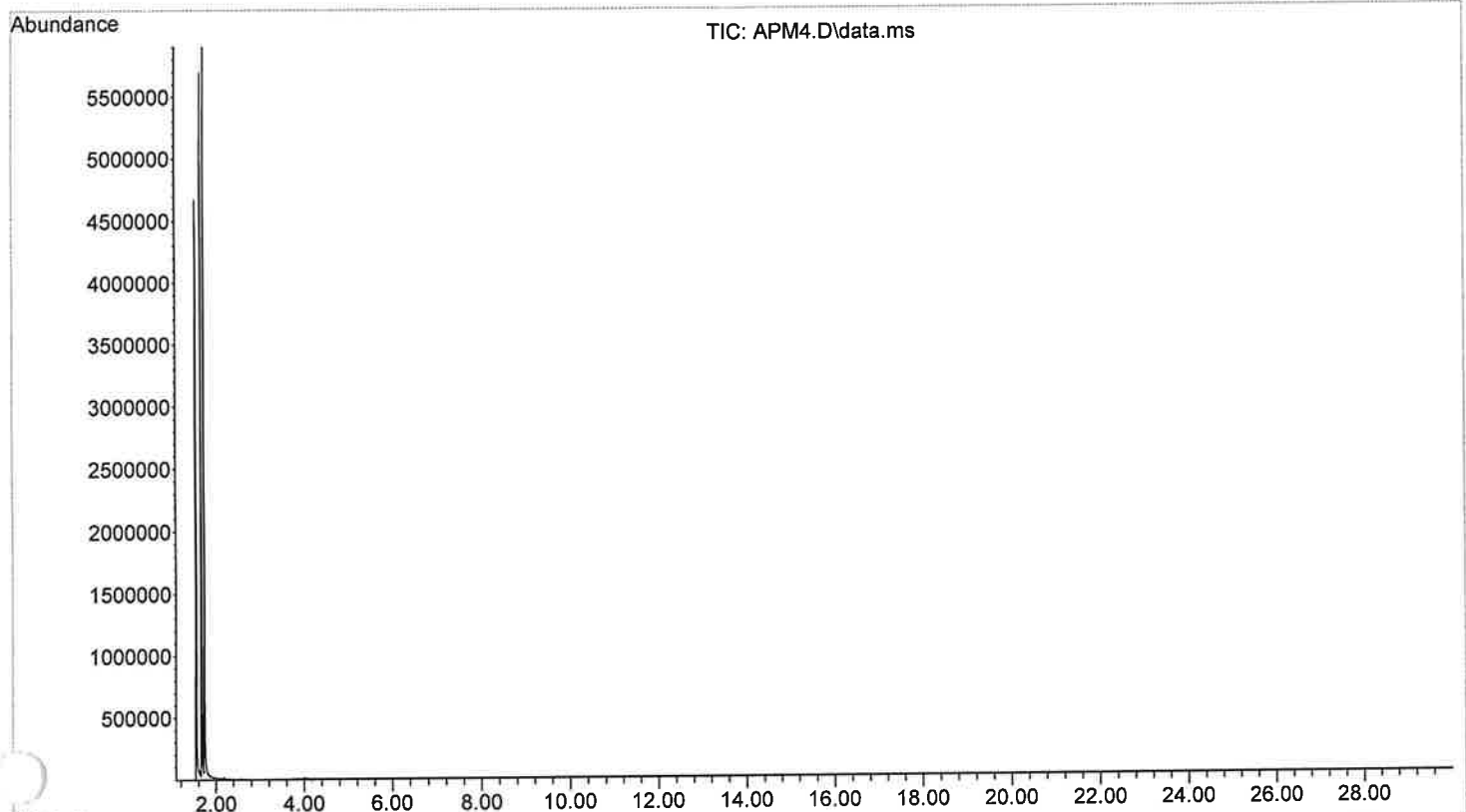
File :X:\2023\GJG\2-13-23\MV213\MSB8.D
Operator :
Acquired : 15 Feb 2023 15:46 using AcqMethod ASMSDRUGSTI.M
Instrument : Donna2
Sample Name: MEOH B FOR GC/IR TEST SOLUTION
Misc Info : 100-280
Vial Number: 2



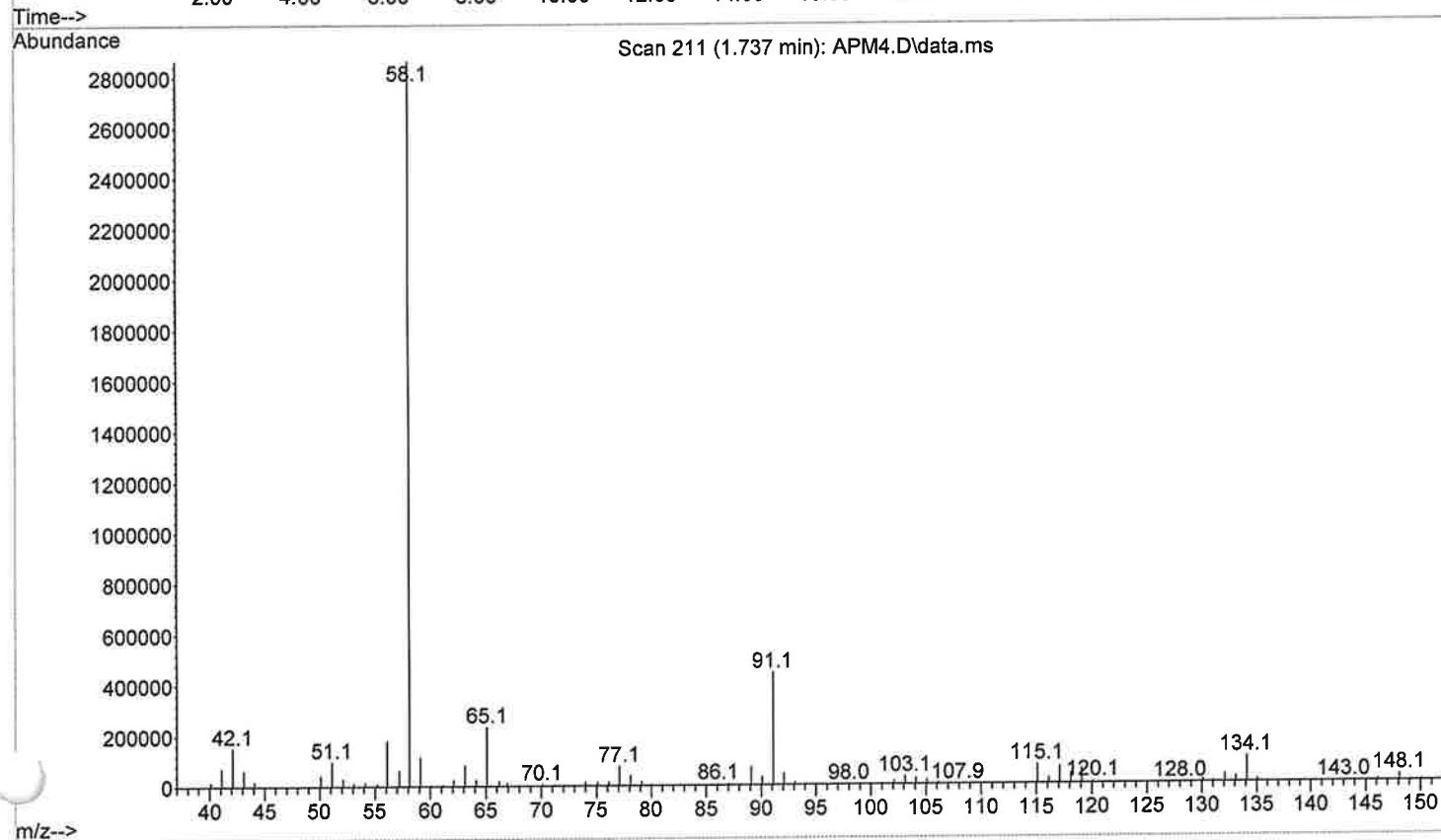
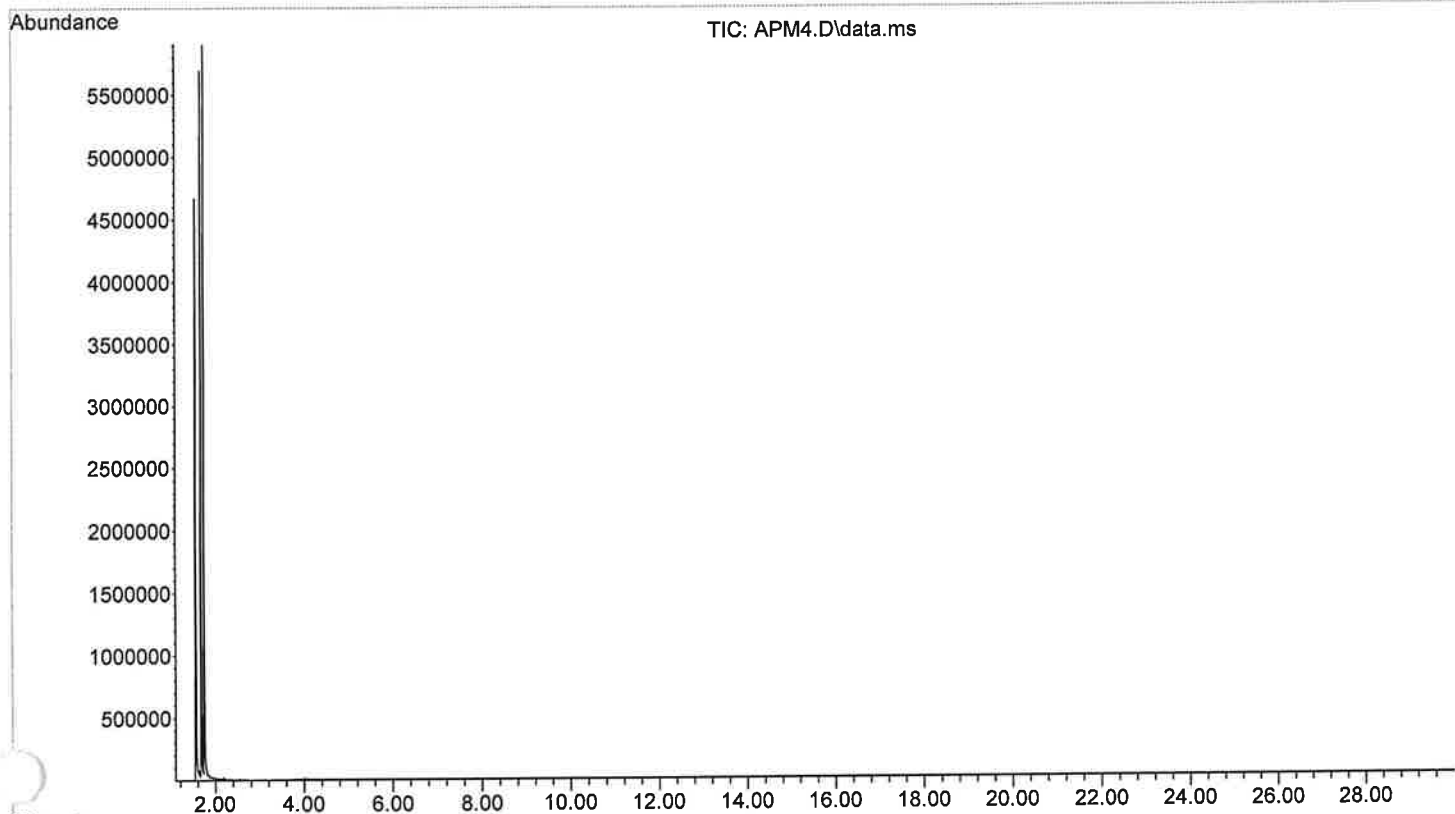
File :X:\2023\GJG\2-13-23\MV213\APM4.D
Operator :
Acquired : 15 Feb 2023 16:20 using AcqMethod ASMSDRUGSTI.M
Instrument : Donna2
Sample Name: GC/IR TEST SOLUTION --100-280
Mi Info : AMPHETAMINE / PHENTERMINE / METHAMPHETAMINE
Vi Number: 4



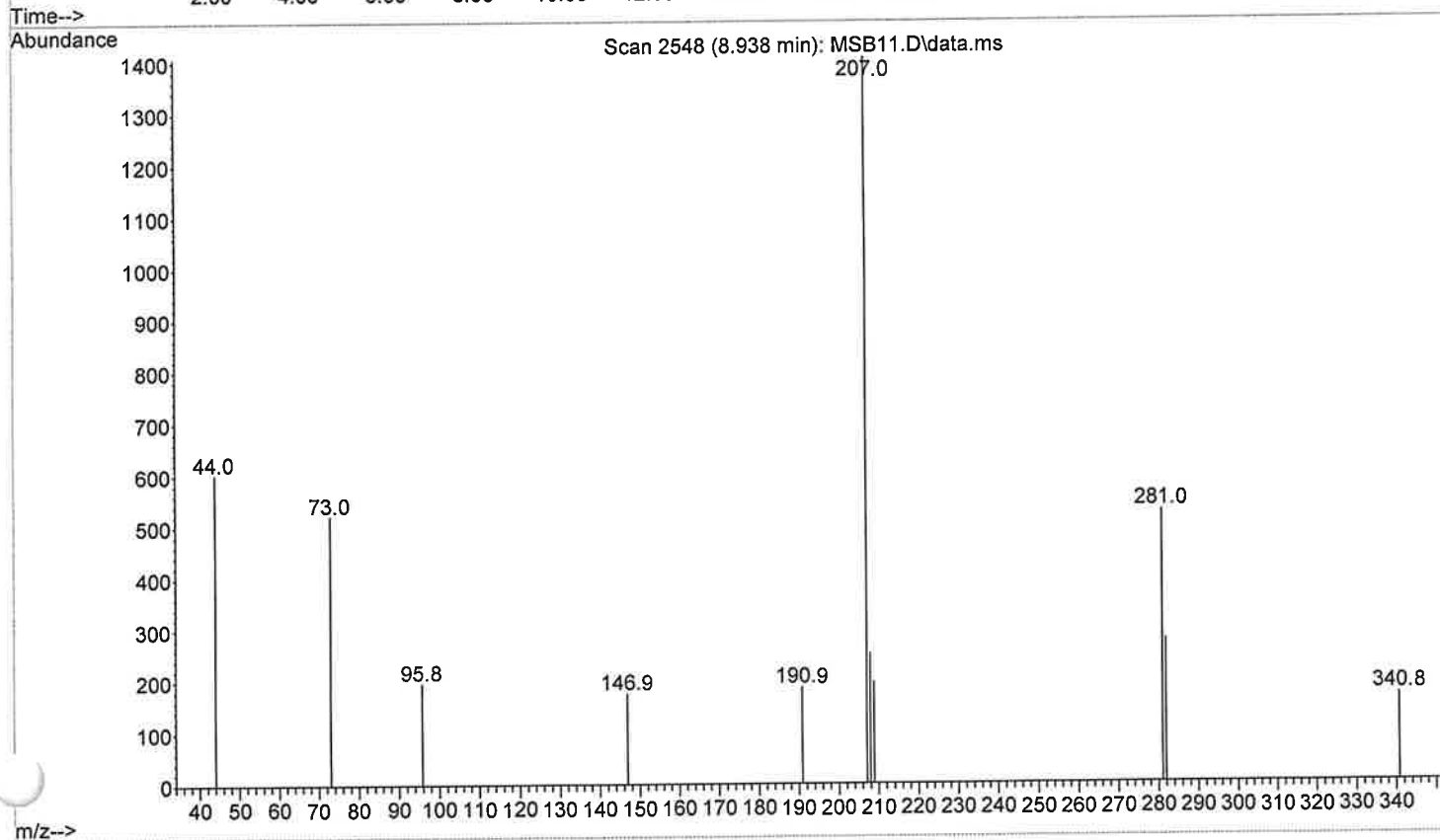
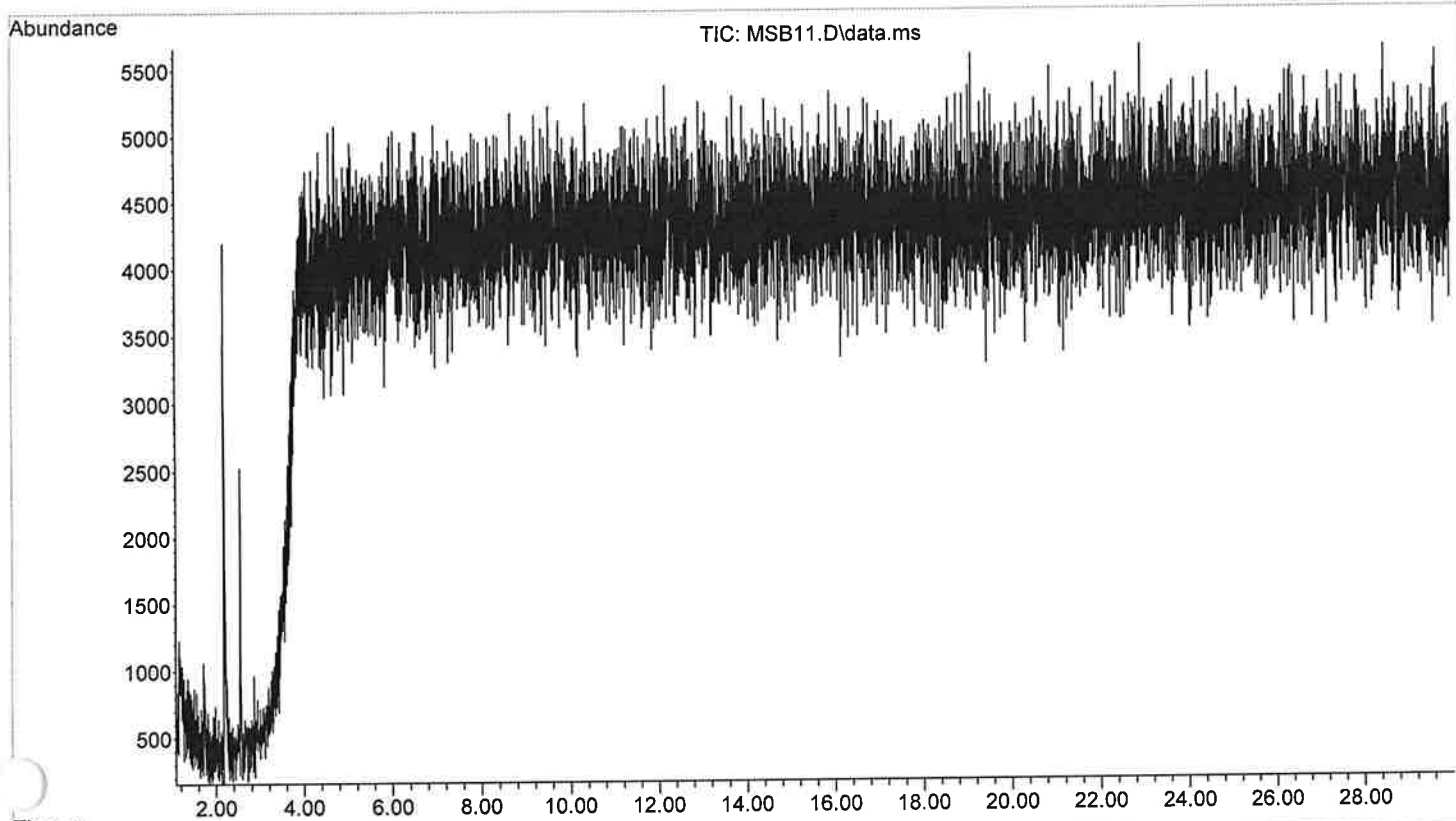
File :X:\2023\GJG\2-13-23\MV213\APM4.D
Operator :
Acquired : 15 Feb 2023 16:20 using AcqMethod ASMSDRUGSTI.M
Instrument : Donna2
Sample Name: GC/IR TEST SOLUTION --100-280
Mi Info : AMPHETAMINE / PHENTERMINE / METHAMPHETAMINE
Vi Number: 4



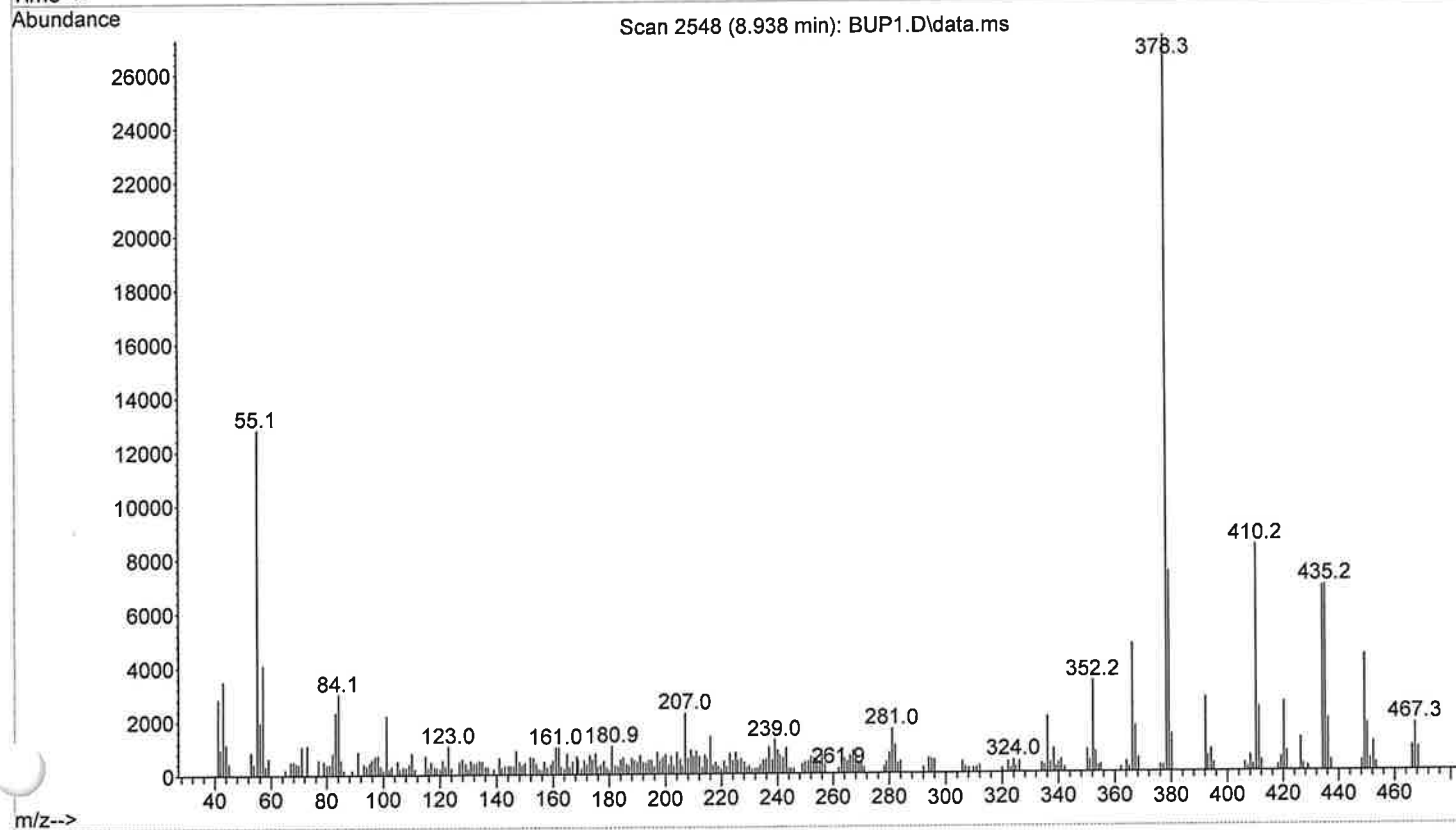
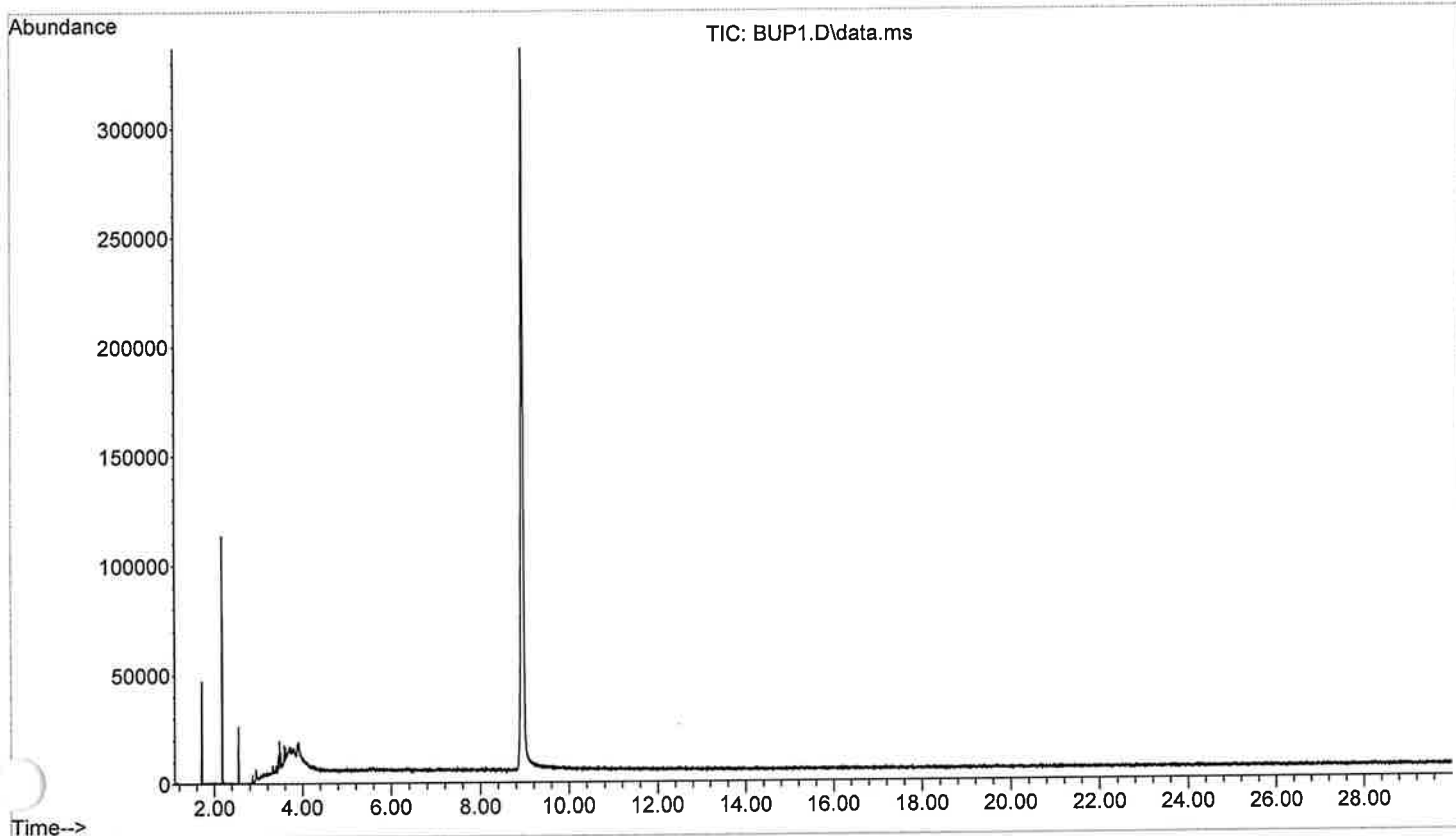
File :X:\2023\GJG\2-13-23\MV213\APM4.D
Operator :
Acquired : 15 Feb 2023 16:20 using AcqMethod ASMSDRUGSTI.M
Instrument : Donna2
Sample Name: GC/IR TEST SOLUTION --100-280
Mi Info : AMPHETAMINE / PHENTERMINE / METHAMPHETAMINE
Vi Number: 4



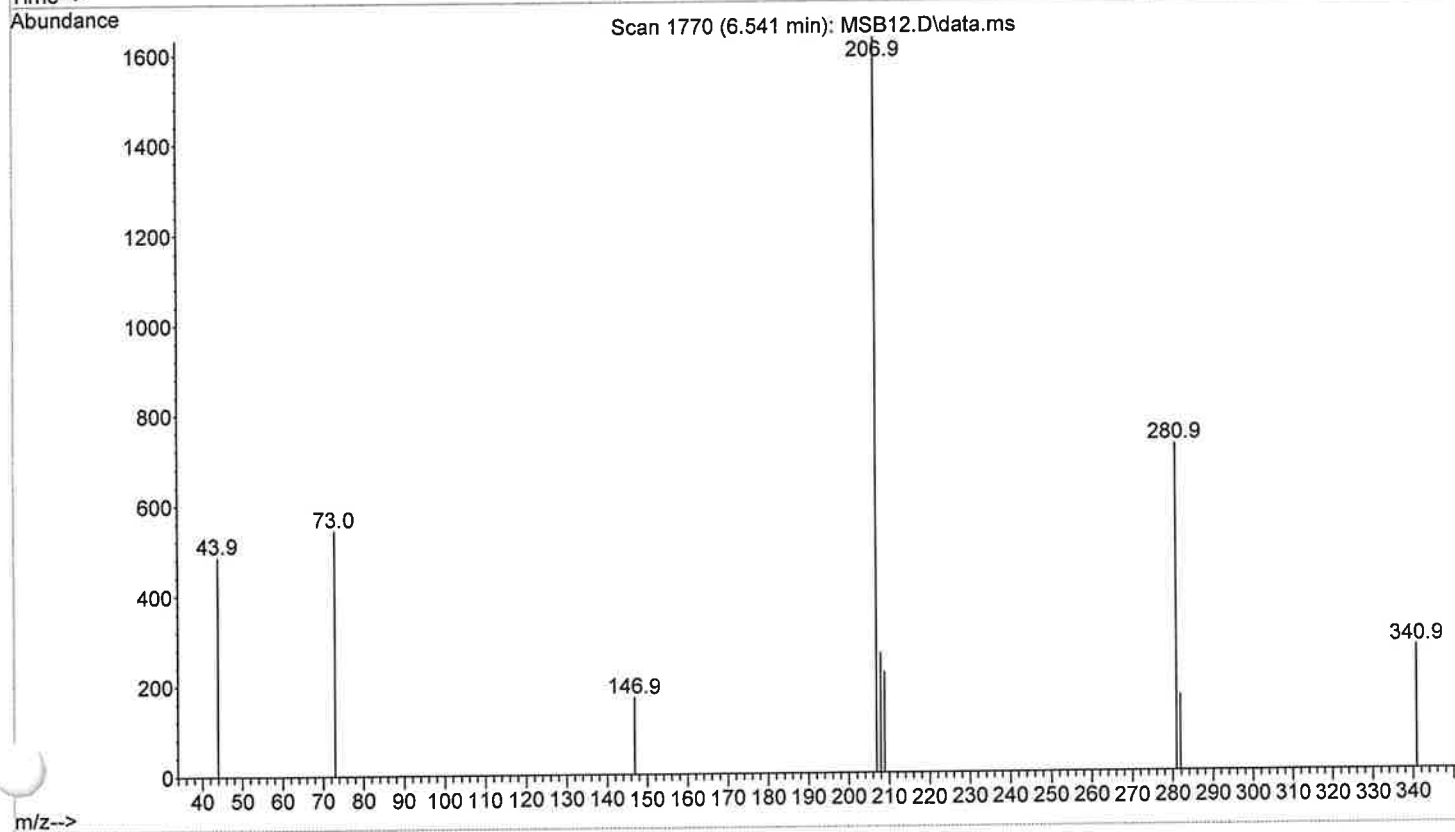
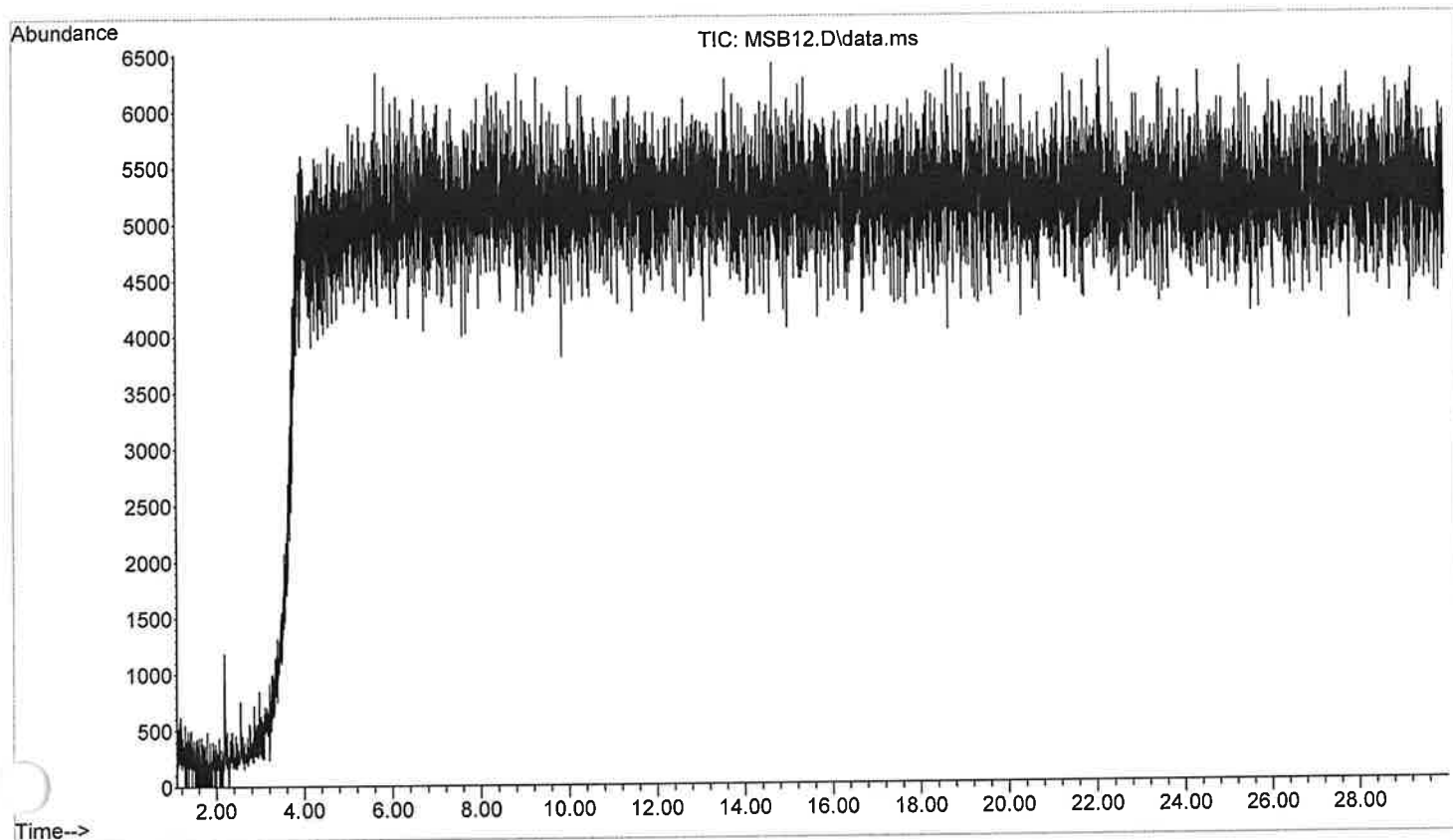
File :X:\2023\GJG\2-21-23\MV221\MSB11.D
Operator :
Acquired : 21 Feb 2023 12:52 using AcqMethod ASMSDRUGSTI.M
Instrument : Donna2
Sample Name: MEOH B FOR BUPRENORPHINE STANDARD wash51
Misc Info : 100-280
Vial Number: 2



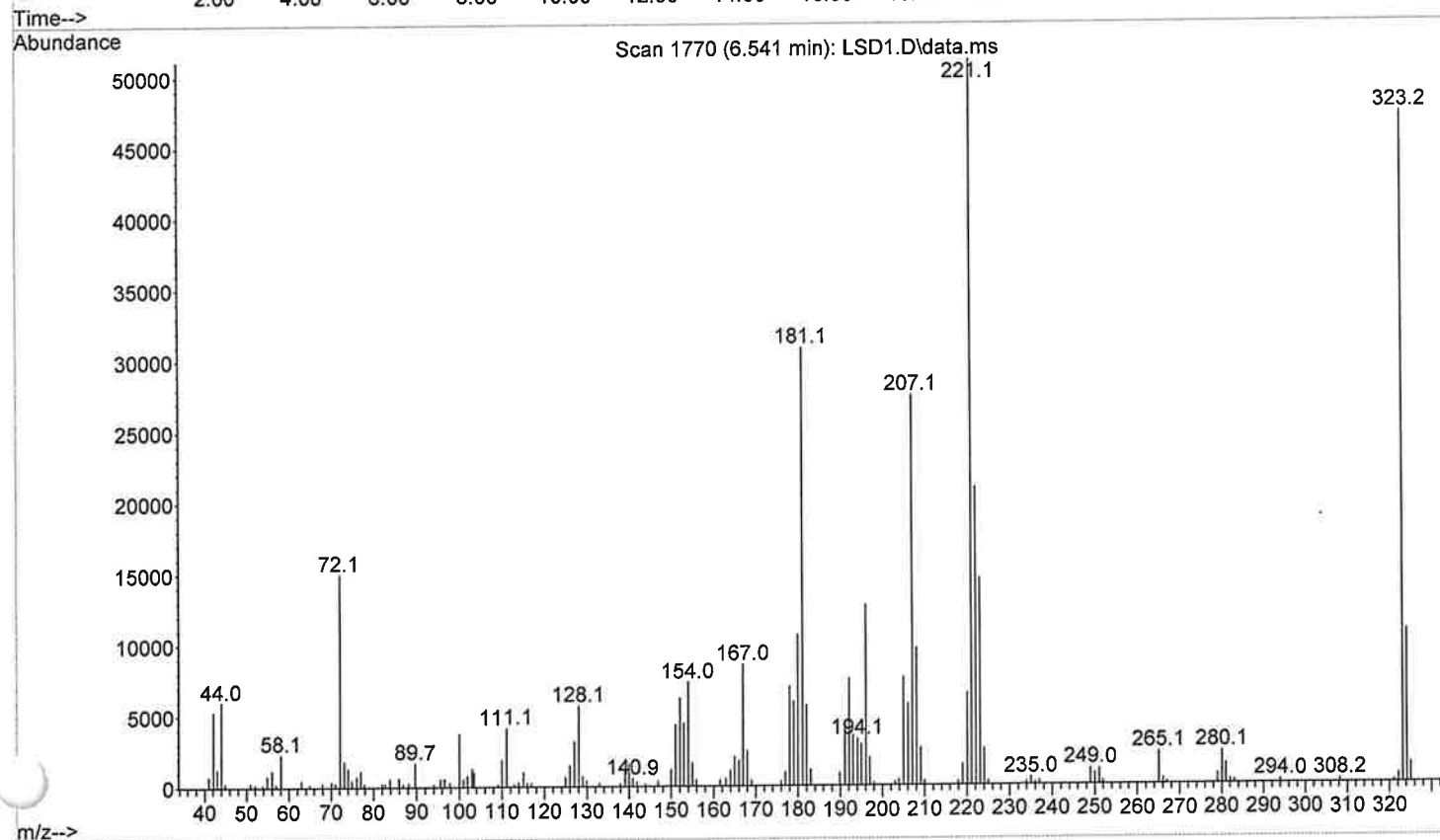
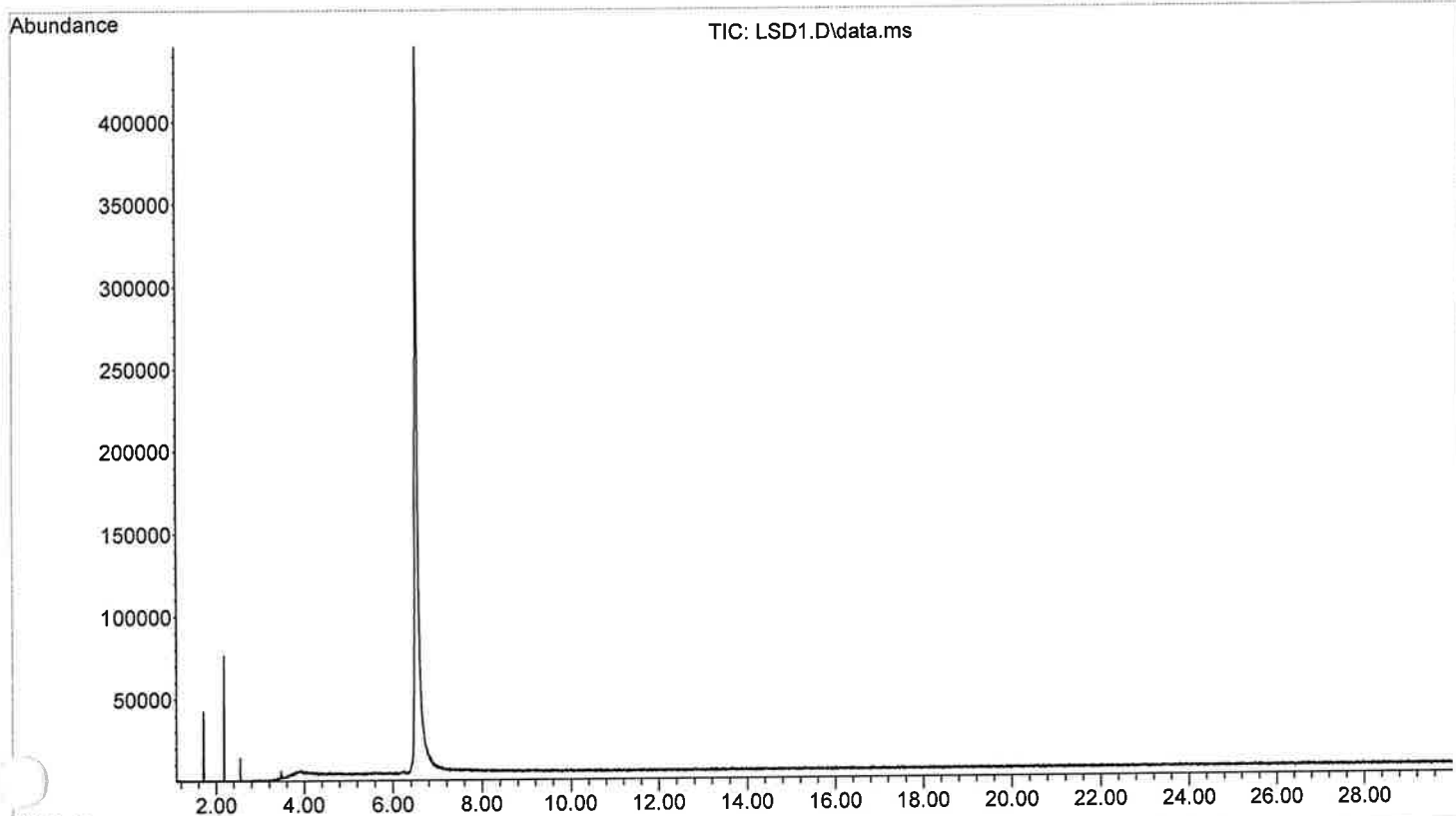
File :X:\2023\GJG\2-21-23\MV221\BUP1.D
Operator :
Acquired : 21 Feb 2023 13:26 using AcqMethod ASMSDRUGSTI.M
Instrument : Donna2
Sample Name: BUPRENORPHINE STANDARD -- 100-280 wash51
Misc Info : Cerilliant Lot# FE03191903 Exp: June 2024
Vial Number: 3



File :X:\2023\GJG\2-21-23\MV221\MSB12.D
Operator :
Acquired : 21 Feb 2023 14:15 using AcqMethod ASMSDRUGSTI.M
Instrument : Donna2
Sample Name: MEOH B FOR LSD STANDARD
Misc Info : 100-280
Vial Number: 2



File :X:\2023\GJG\2-21-23\MV221\LSD1.D
Operator :
Acquired : 21 Feb 2023 14:49 using AcqMethod ASMSDRUGSTI.M
Instrument : Donna2
Sample Name: LSD STANDARD -- 100-280
Misc Info : Cerilliant Lot# FE10161901 Exp: October 2024
Vial Number: 4



METHOD CONTROL PARAMETERS

Method Information for: E:\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:

Auto Sample MS Drugs Isothermal 280c 20 minutes

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	E:\methods\ASMS280ISO.M
Tune file	atune.u
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
Acquisition Type	Scan
Stop time (min)	650.00
Solvent delay (min)	1.00
Trace Ion Detection	False
Delta EMV	0
EM Saver	False
EM Saver Limit	N/A

Scan Time Segments

Time	Start Mass	End Mass	Threshold	Scan Speed
1.00	40	550	150	3,125 [N=1]

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
Extracted Ion	Scan 1-2	40	550

Self-Cleaning Ion Source Parameters

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

E:\methods\ASMS280ISO.M
Mon Mar 13 17:55:45 2023

Control Information

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

No Sample Prep method has been assigned to this method.

GC

GC Summary
Run Time 20 min
Post Run Time 0 min

Oven

Temperature
Setpoint On
(Initial) 280 °C
Hold Time 20 min
Post Run 0 °C

Equilibration Time 0.5 min
Max Temperature 305 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS

Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Injection Repetitions 1
Injection Delay 0 sec
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 2
Solvent A Volume 8 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 2
Solvent B Volume 8 µL
Sample Washes 1
Sample Wash Volume 8 µL
Sample Pumps 2
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 300 µL/min
Solvent Wash Dispense Speed 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
Solvent Wash Mode A, B

Back Injector

Syringe Size 10 µL
Injection Volume 1 µL

Injection Repetitions	1
Injection Delay	0 sec
Solvent A Washes (PreInj)	2
Solvent A Washes (PostInj)	0
Solvent A Volume	8 µL
Solvent B Washes (PreInj)	2
Solvent B Washes (PostInj)	0
Solvent B Volume	8 µL
Sample Washes	0
Sample Wash Volume	8 µL
Sample Pumps	6
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Solvent Wash Mode	A, B
ALS Errors	Pause for user interaction
Front SS Inlet He	
Mode	Split
Heater	On 250 °C
Pressure	On 20.236 psi
Gas Saver	Off
Split Ratio	50 :1
Split Flow	48.428 mL/min
Liner	A Liner has not been selected.
Back SS Inlet He	
Mode	Split
Heater	On 250 °C
Pressure	On 6.7158 psi
Gas Saver	Off
Split Ratio	50 :1
Split Flow	25.968 mL/min
Liner	A Liner has not been selected.
Thermal Aux 2 (MSD Transfer Line)	
Temperature	
Setpoint	On
(Initial)	280 °C
Hold Time	0 min
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	0.96856 mL/min
Hold Time	0 min
Post Run	0.969 mL/min
Column Information	J&W01
Temperature Range	-60 °C-305 °C (305 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm
Column lock	Unlocked
In	Front SS Inlet He
Out	MSD
Column Outlet Pressure	MSD

(Initial)	280 °C
Pressure	20.237 psi
Flow	0.96856 mL/min
Average Velocity	60.555 cm/sec
Holdup Time	0.34404 min
Control Mode	Constant Flow

Column #2	
Pressure	
Setpoint	On
(Initial)	6.7158 psi
Hold Time	0 min
Post Run	0 psi

Column Information	AB003
Temperature Range	-60 °C-305 °C (305 °C)
Dimensions	30 m x 320 µm x 1 µm
Column lock	Unlocked
In	Back SS Inlet He
Out	Front Detector FID
Column Outlet Pressure	0 psi
(Initial)	280 °C
Pressure	6.7158 psi
Flow	0.51935 mL/min
Average Velocity	16.271 cm/sec
Holdup Time	3.0729 min
Control Mode	Ramped Pressure

Front Detector FID	
Makeup	He
Heater	On 250 °C
H2 Flow	Off
Air Flow	Off
Makeup Flow	On 45 mL/min
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
ame	Off

Signals	
Signal #1: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	Off
Data Rate	20 Hz
Dual Injection Assignment	Front Sample

Signal #2: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	Off
Data Rate	20 Hz
Dual Injection Assignment	Back Sample

Column 1 Inventory Number :
Column 2 Inventory Number :

TUNE PARAMETERS for SN: US10423616

Trace Ion Detection is OFF.

34.610	:	EMISSION	
70.347	:	ENERGY	
33.279	:	REPELLER	
90.157	:	IONFOCUS	
22.000	:	ENTRANCE_LENS	
894.118	:	EMVOLTS	
		1023.529	: Actual EMV
		0.99	: GAIN FACTOR
1672.000	:	AMUGAIN	
120.500	:	AMUOFFSET	
2.000	:	FILAMENT	
0.000	:	DCPOLARITY	
19.075	:	ENTLENSOFFSET	
-820.000	:	MASSGAIN	
-32.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

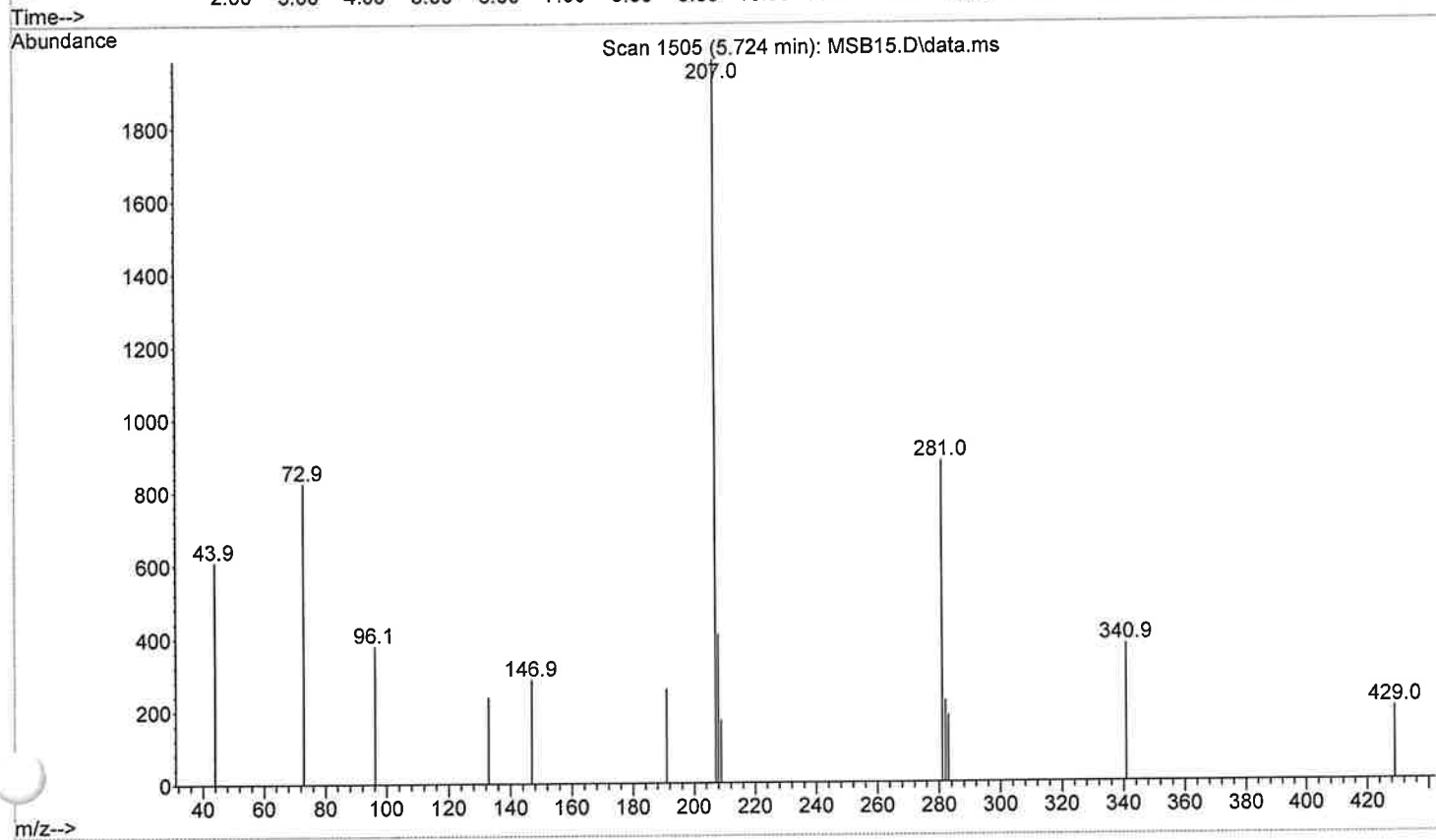
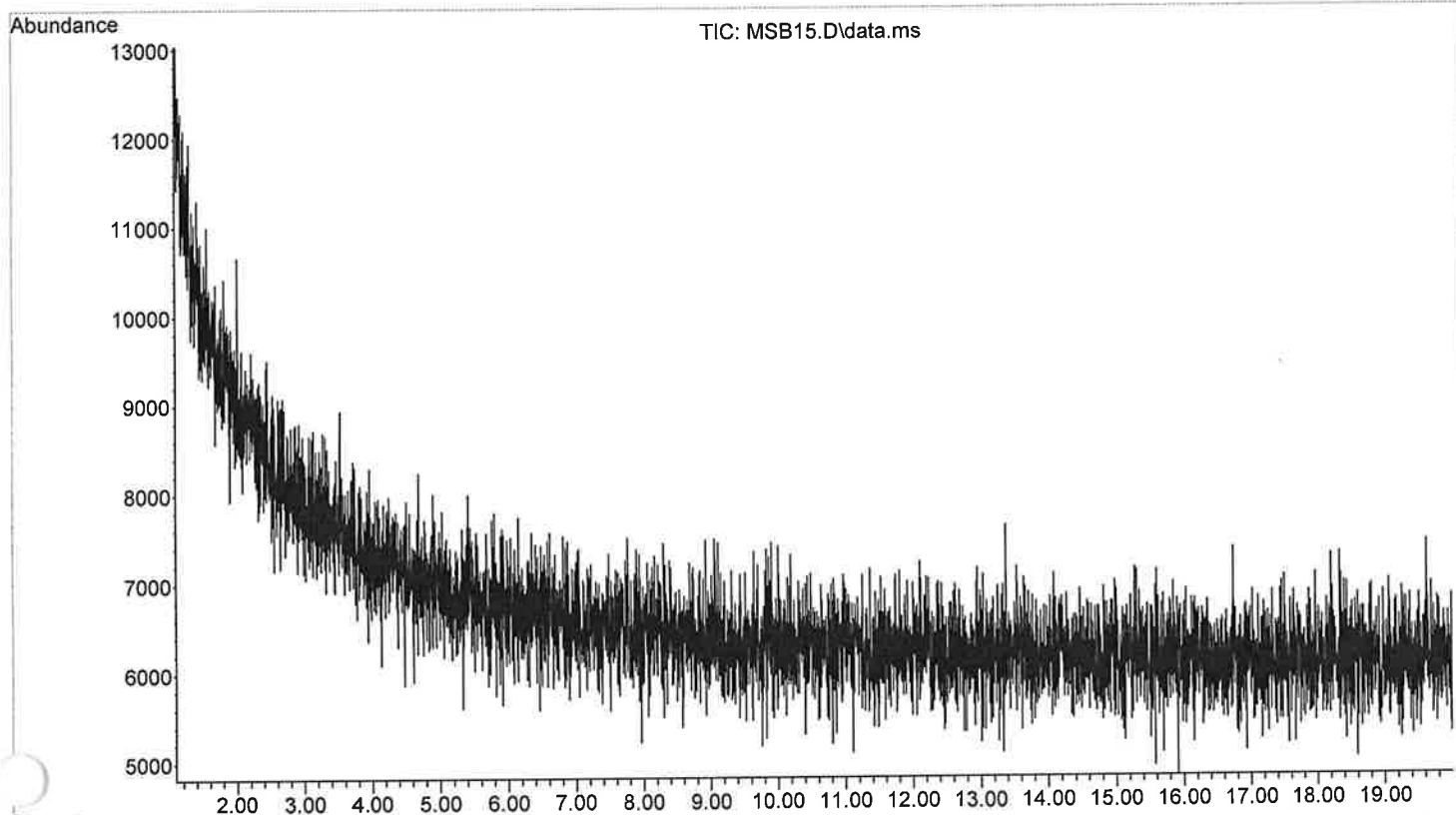
Method Path : E:\methods\
Method File : ASMS280ISO.M
Title :
st Update :
Response Via : Initial Calibration

Total Cpnds : 0

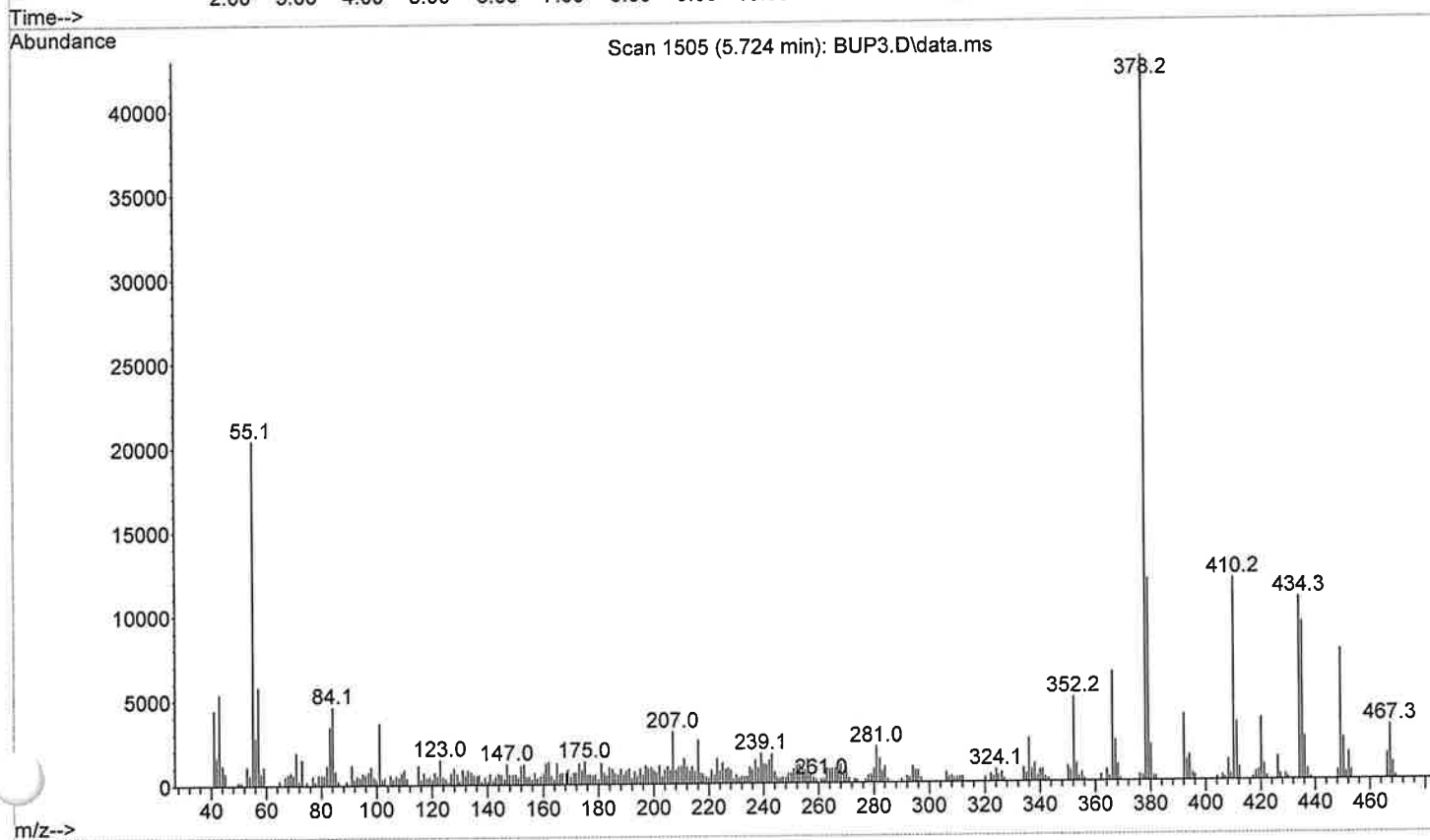
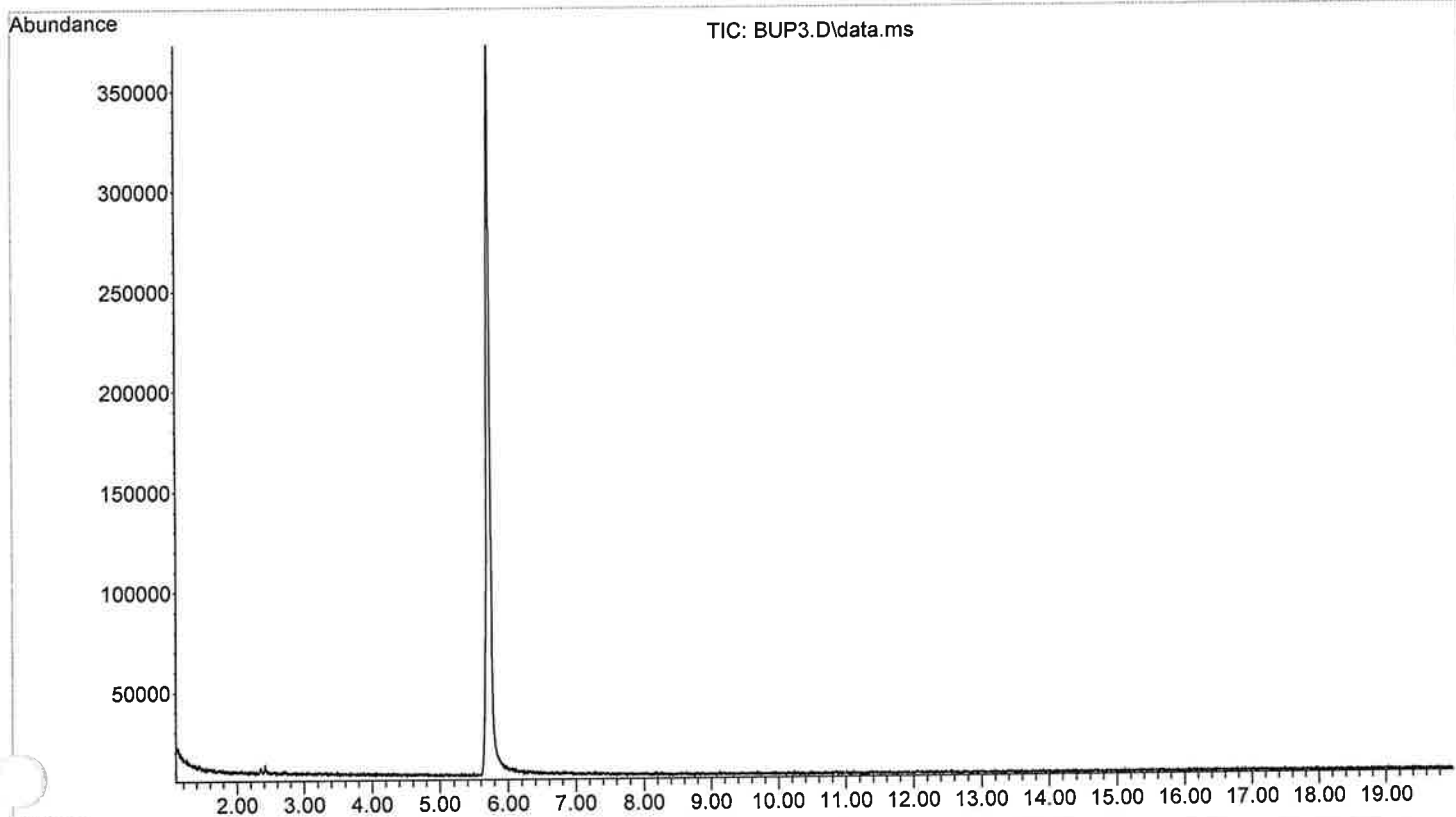
PK#	Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
-----	---------------	------	--------	--------	-----	-------	-----	----

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

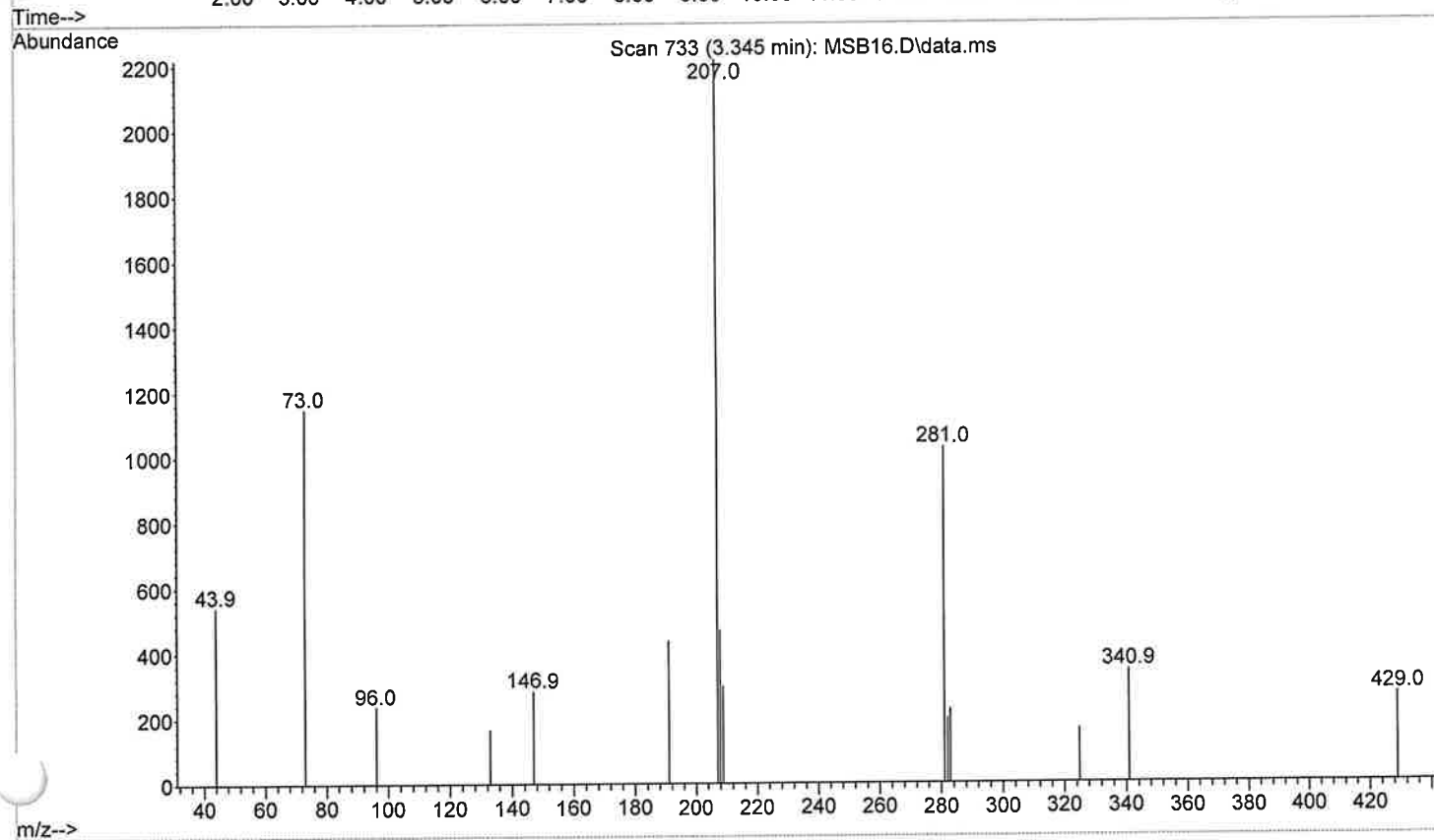
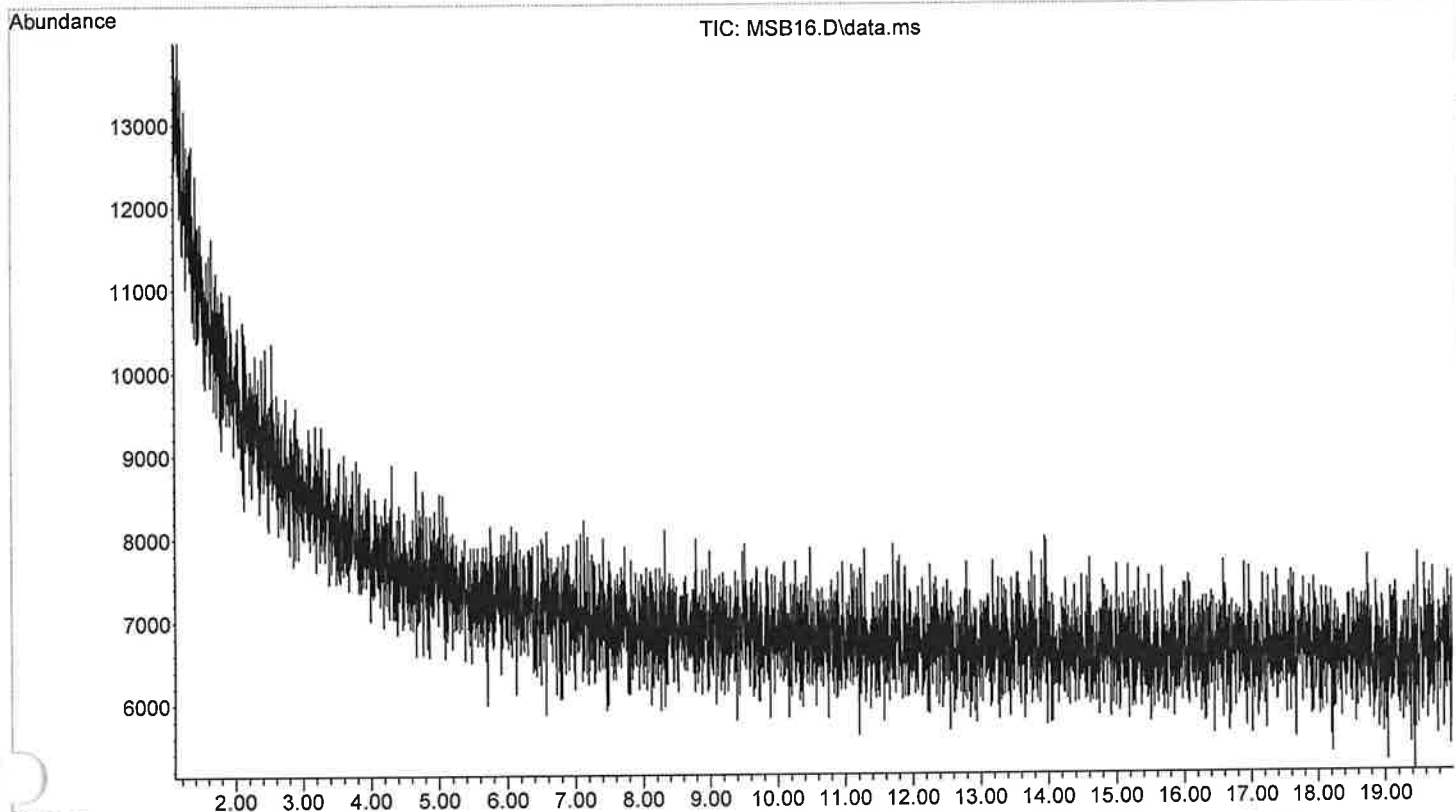
File :X:\2023\GJG\2-21-23\MV221\MSB15.D
Operator :
Acquired : 21 Feb 2023 16:47 using AcqMethod ASMS280ISO.M
Instrument : Donna2
Sample Name: MEOH B FOR BUPRENORPHINE STANDARD
Misc Info : 280 ISOTHERMAL
Vial Number: 2



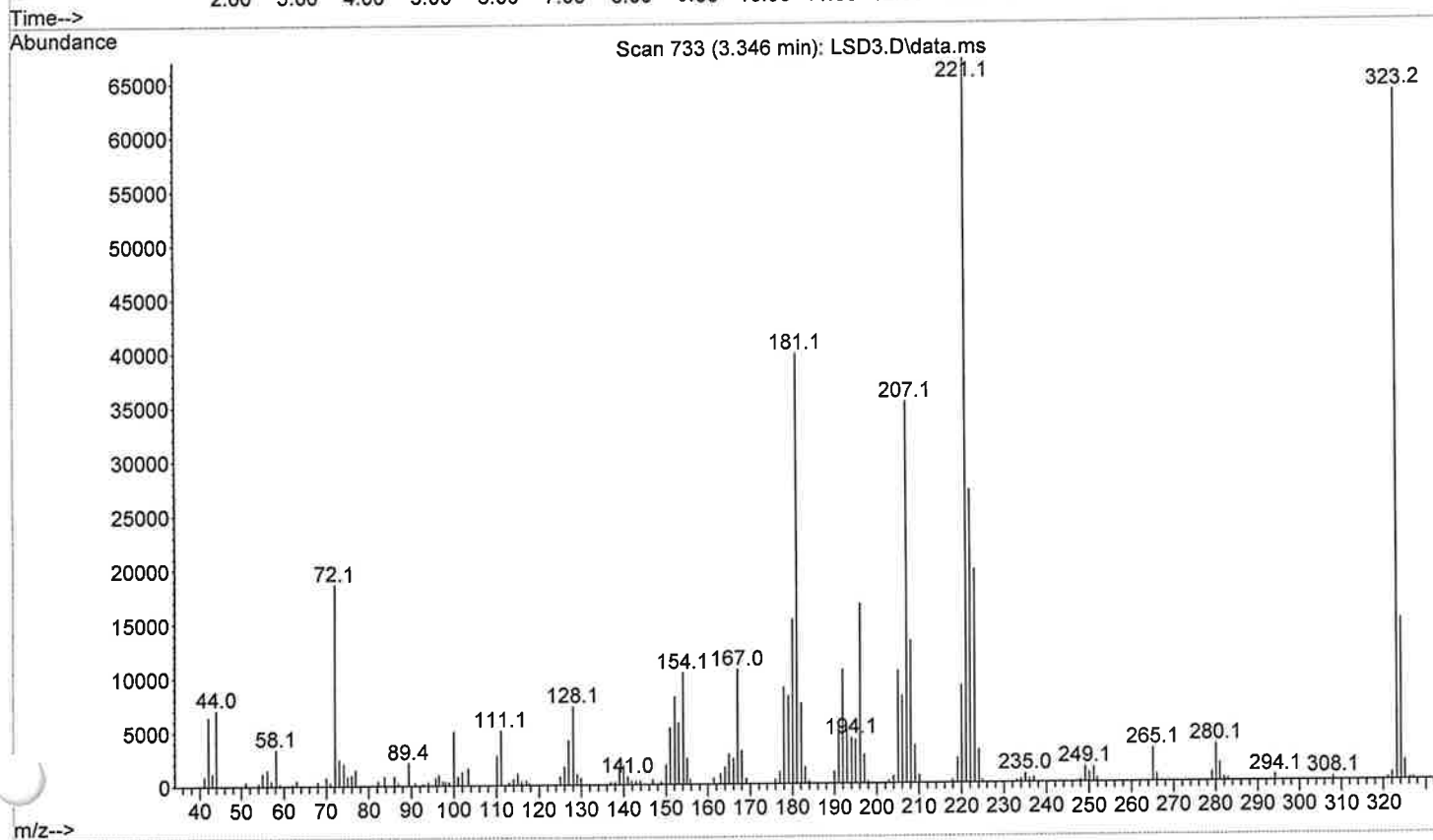
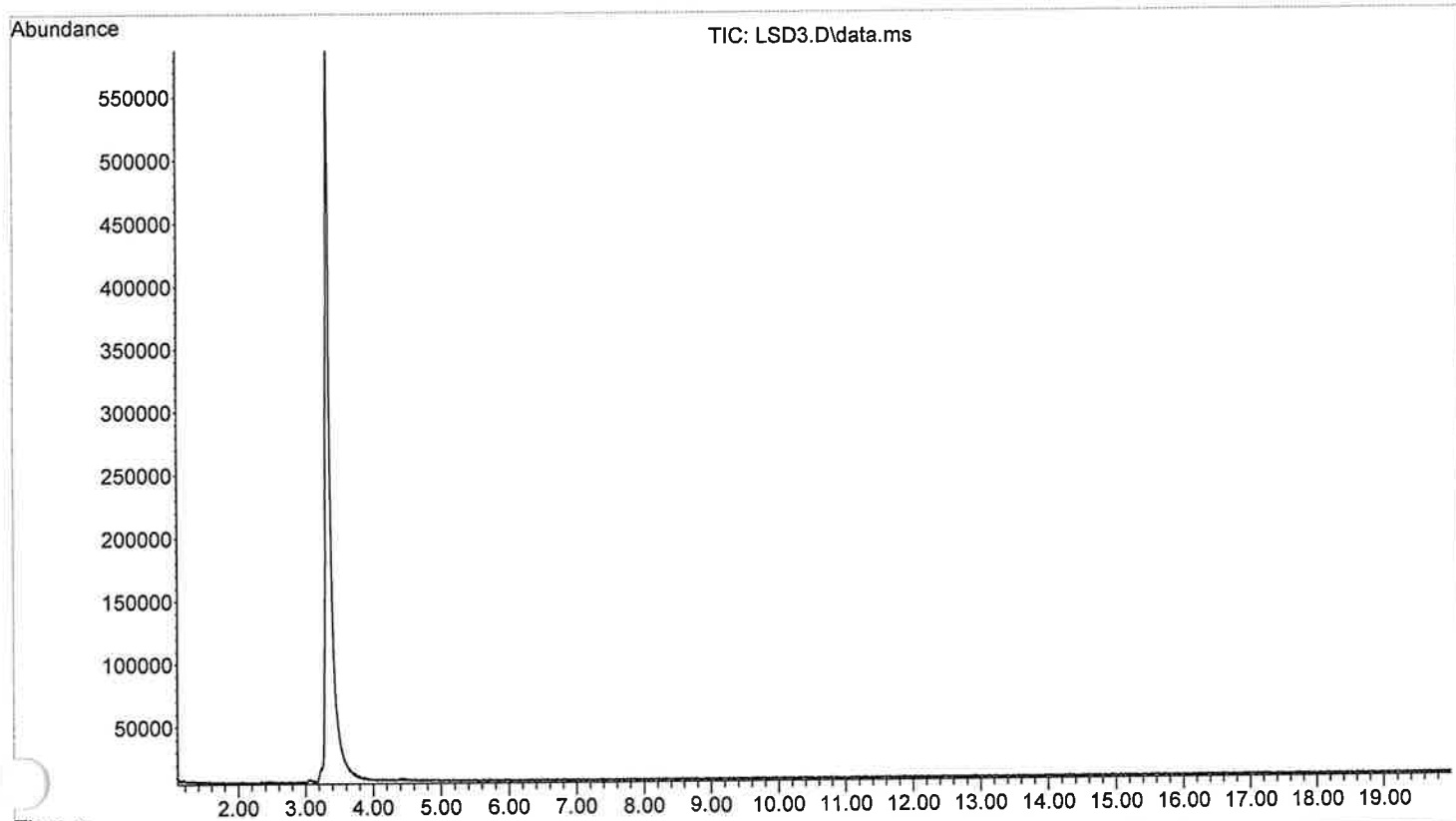
File :X:\2023\GJG\2-21-23\MV221\BUP3.D
Operator :
Acquired : 21 Feb 2023 17:09 using AcqMethod ASMS280ISO.M
Instrument : Donna2
Sample Name: BUPRENORPHINE STANDARD -- 280 ISOTHERMAL
Misc Info : Cerilliant Lot# FE03191903 Exp: June 2024
Vial Number: 3



File :X:\2023\GJG\2-21-23\MV221\MSB16.D
Operator :
Acquired : 21 Feb 2023 17:46 using AcqMethod ASMS280ISO.M
Instrument : Donna2
Sample Name: MEOH B FOR LSD STANDARD
Misc Info : 280 ISOTHERMAL
Vial Number: 2



File :X:\2023\GJG\2-21-23\MV221\LSD3.D
Operator :
Acquired : 21 Feb 2023 18:08 using AcqMethod ASMS280ISO.M
Instrument : Donna2
Sample Name: LSD STANDARD -- 280 ISOTHERMAL
Misc Info : Cerilliant Lot# FE10161901 Exp: October 2024
Vial Number: 4



METHOD CONTROL PARAMETERS

Method Information for: E:\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:

Auto Sample MS Drugs100-280 6 minutes

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	E:\methods\ASMS100TR.M
Tune file	atune.u
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
Acquisition Type	Scan
Stop time (min)	650.00
Solvent delay (min)	1.00
Trace Ion Detection	False
Delta EMV	0
EM Saver	False
EM Saver Limit	N/A

Scan Time Segments

Time	Start Mass	End Mass	Threshold	Scan Speed
1.00	40	550	150	3,125 [N=1]

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
Extracted Ion	Scan 1-2	40	550

Self-Cleaning Ion Source Parameters

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

E:\methods\ASMS100TR.M
Mon Mar 13 17:47:16 2023

Control Information

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

No Sample Prep method has been assigned to this method.

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

Oven
Temperature
Setpoint On
(Initial) 100 °C
Hold Time 1 min
Post Run 0 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 6.43 min

Equilibration Time 0.5 min
Ex Temperature 305 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Injection Repetitions 1
Injection Delay 0 sec
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 2
Solvent A Volume 8 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 2
Solvent B Volume 8 µL
Sample Washes 1
Sample Wash Volume 8 µL
Sample Pumps 2
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 300 µL/min
Solvent Wash Dispense Speed 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

Solvent Wash Mode

A, B

Back Injector
Syringe Size 10 µL
Injection Volume 1 µL
Injection Repetitions 1
Injection Delay 0 sec
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 0
Solvent A Volume 8 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 0
Solvent B Volume 8 µL
Sample Washes 0
Sample Wash Volume 8 µL
Sample Pumps 6
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 300 µL/min
Solvent Wash Dispense Speed 6000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 6000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Solvent Wash Mode A, B

ALS Errors

Pause for user interaction

Front SS Inlet He

Mode Split
Heater On 250 °C
Pressure On 10.401 psi
Gas Saver Off
Split Ratio 50 :1
Split Flow 48.428 mL/min
Liner A Liner has not been selected.

Back SS Inlet He

Mode Split
Heater On 250 °C
Pressure On 6.7158 psi
Gas Saver Off
Split Ratio 50 :1
Split Flow 50.309 mL/min
Liner A Liner has not been selected.

Thermal Aux 2 (MSD Transfer Line)

Temperature
Setpoint On
(Initial) 280 °C
Hold Time 0 min

Column

Column #1
Flow
Setpoint On
(Initial) 0.96856 mL/min
Hold Time 0 min
Post Run 0.969 mL/min

Column Information

Temperature Range J&W01
-60 °C-305 °C (305 °C)

Dimensions	12.5 m x 200 µm x 0.33 µm
Column lock	Unlocked
In	Front SS Inlet He
Out	MSD
Column Outlet Pressure	MSD
(Initial)	100 °C
Pressure	10.402 psi
Flow	0.96856 mL/min
Average Velocity	56.859 cm/sec
Holdup Time	0.3664 min
Control Mode	Constant Flow
Column #2	
Pressure	
Setpoint	On
(Initial)	6.7158 psi
Hold Time	0 min
Post Run	0 psi
Column Information	AB003
Temperature Range	-60 °C-305 °C (305 °C)
Dimensions	30 m x 320 µm x 1 µm
Column lock	Unlocked
In	Back SS Inlet He
Out	Front Detector FID
Column Outlet Pressure	0 psi
(Initial)	100 °C
Pressure	6.7158 psi
Flow	1.0062 mL/min
Average Velocity	21.266 cm/sec
Holdup Time	2.3512 min
Control Mode	Ramped Pressure
Front Detector FID	
Makeup	He
Water	On 250 °C
N2 Flow	Off
Air Flow	Off
Makeup Flow	On 45 mL/min
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	Off
Signals	
Signal #1: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	Off
Data Rate	20 Hz
Dual Injection Assignment	Front Sample
Signal #2: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	Off
Data Rate	20 Hz
Dual Injection Assignment	Back Sample

Column 1 Inventory Number :
Column 2 Inventory Number :

TUNE PARAMETERS for SN: US10423616

Trace Ion Detection is OFF.

34.610	:	EMISSION	
70.347	:	ENERGY	
33.279	:	REPELLER	
90.157	:	IONFOCUS	
22.000	:	ENTRANCE_LENS	
894.118	:	EMVOLTS	
		1023.529	: Actual EMV
		0.99	: GAIN FACTOR
1672.000	:	AMUGAIN	
120.500	:	AMUOFFSET	
2.000	:	FILAMENT	
0.000	:	DCPOLARITY	
19.075	:	ENTLENDOFFSET	
-820.000	:	MASSGAIN	
-32.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

Method Path : E:\methods\
Method File : ASMS100TR.M
Title :
1st Update :
Response Via : Initial Calibration

Total Cpnds : 0

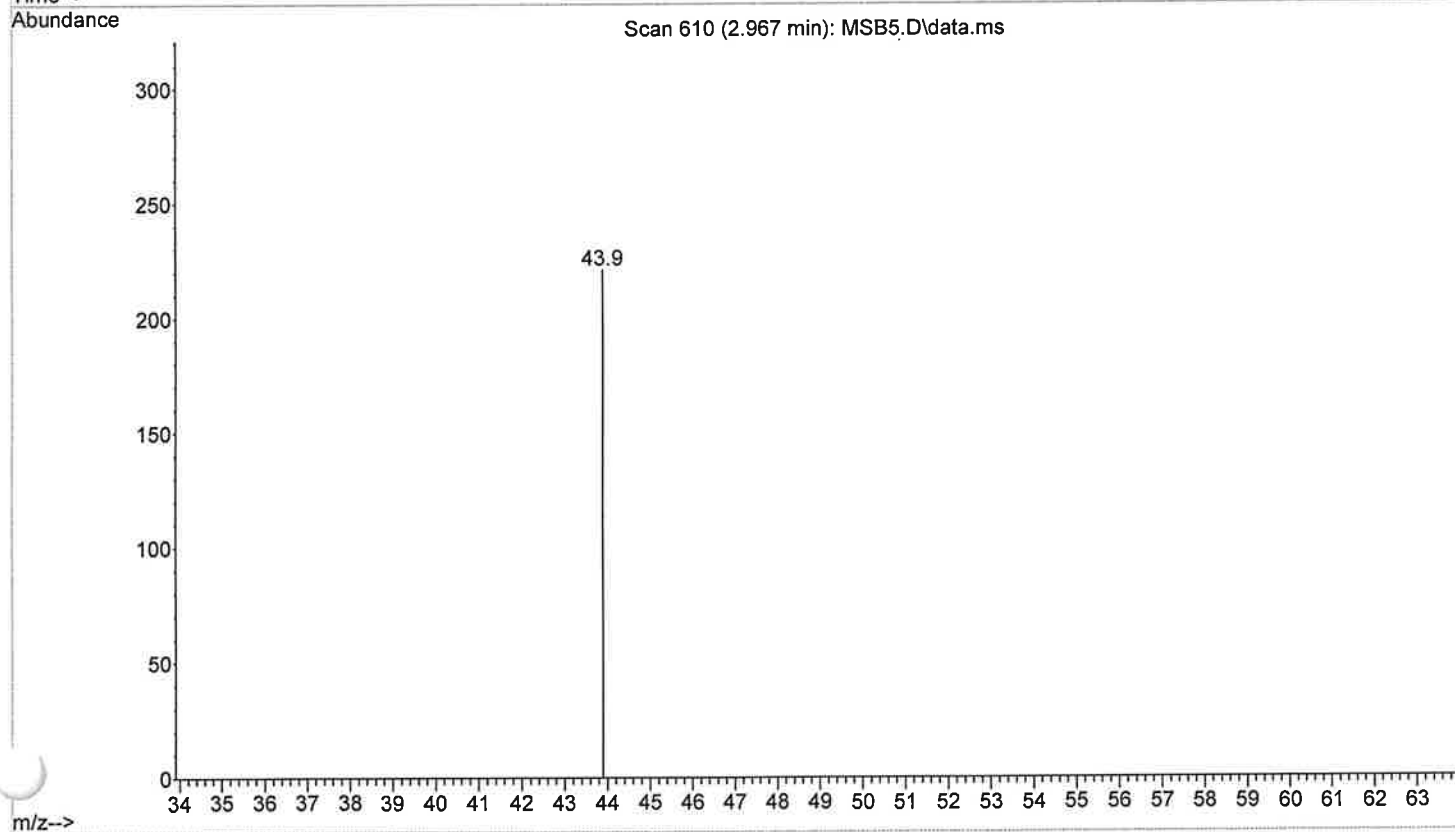
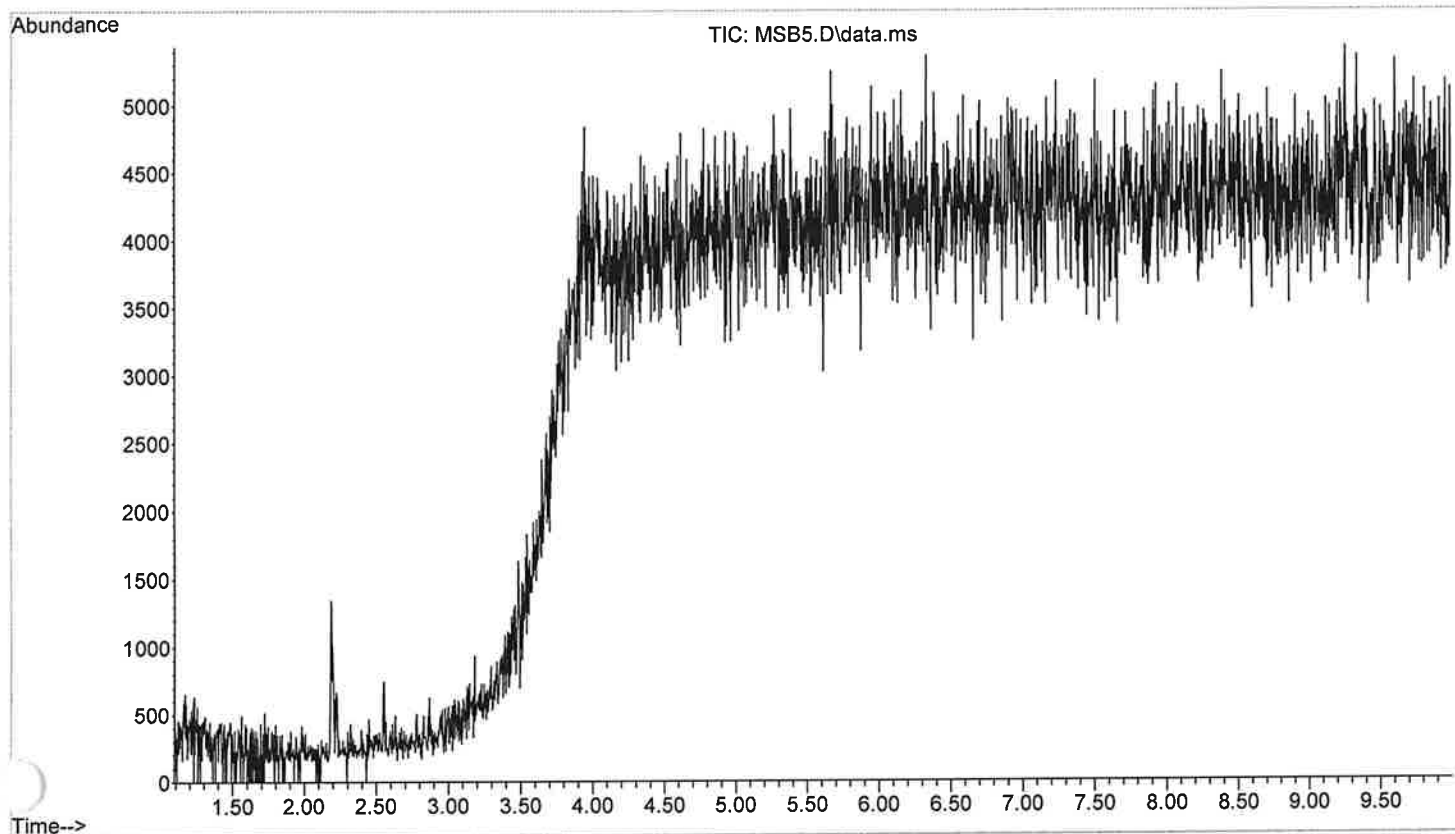
PK#	Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
-----	---------------	------	--------	--------	-----	-------	-----	----

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers

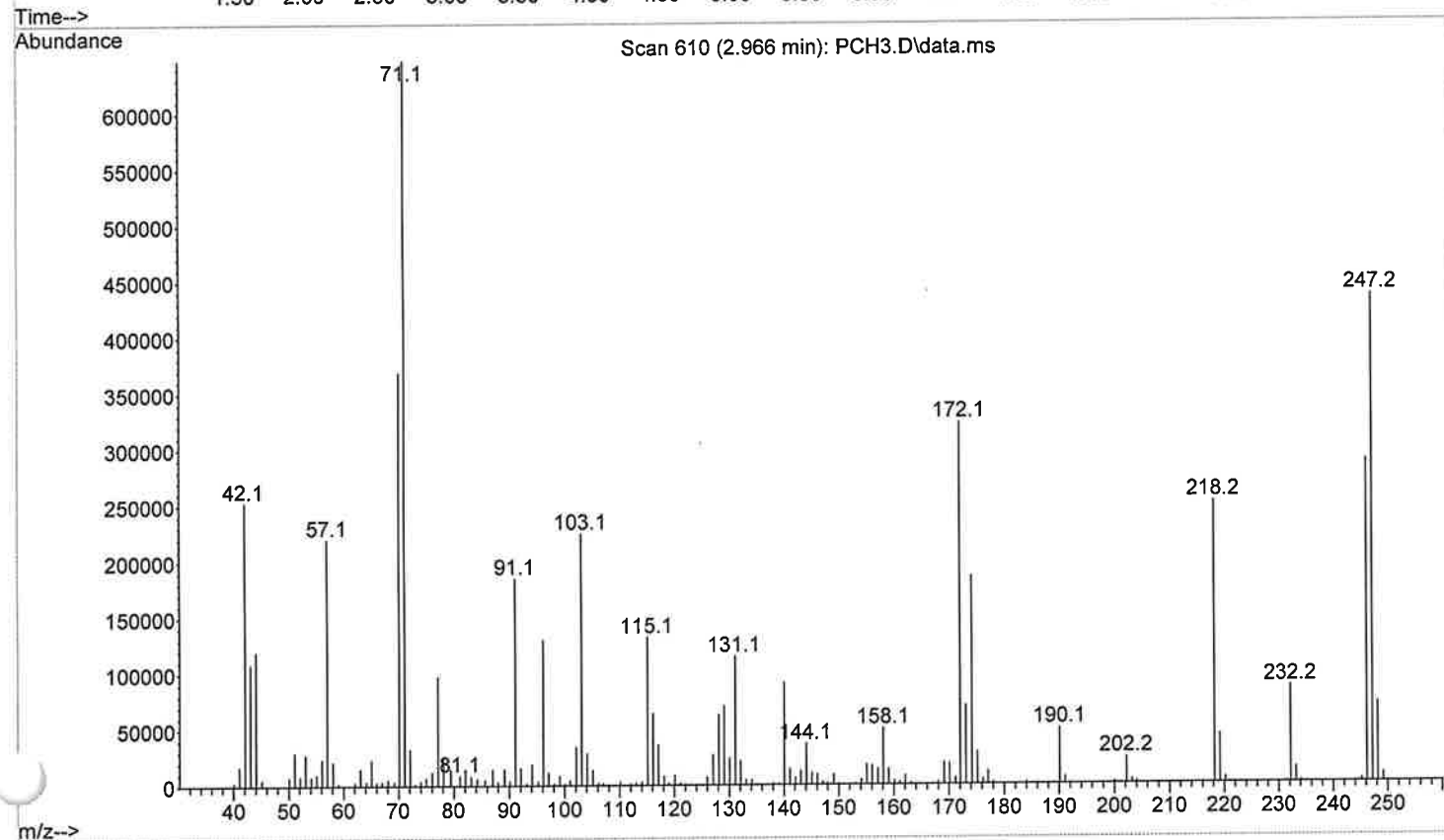
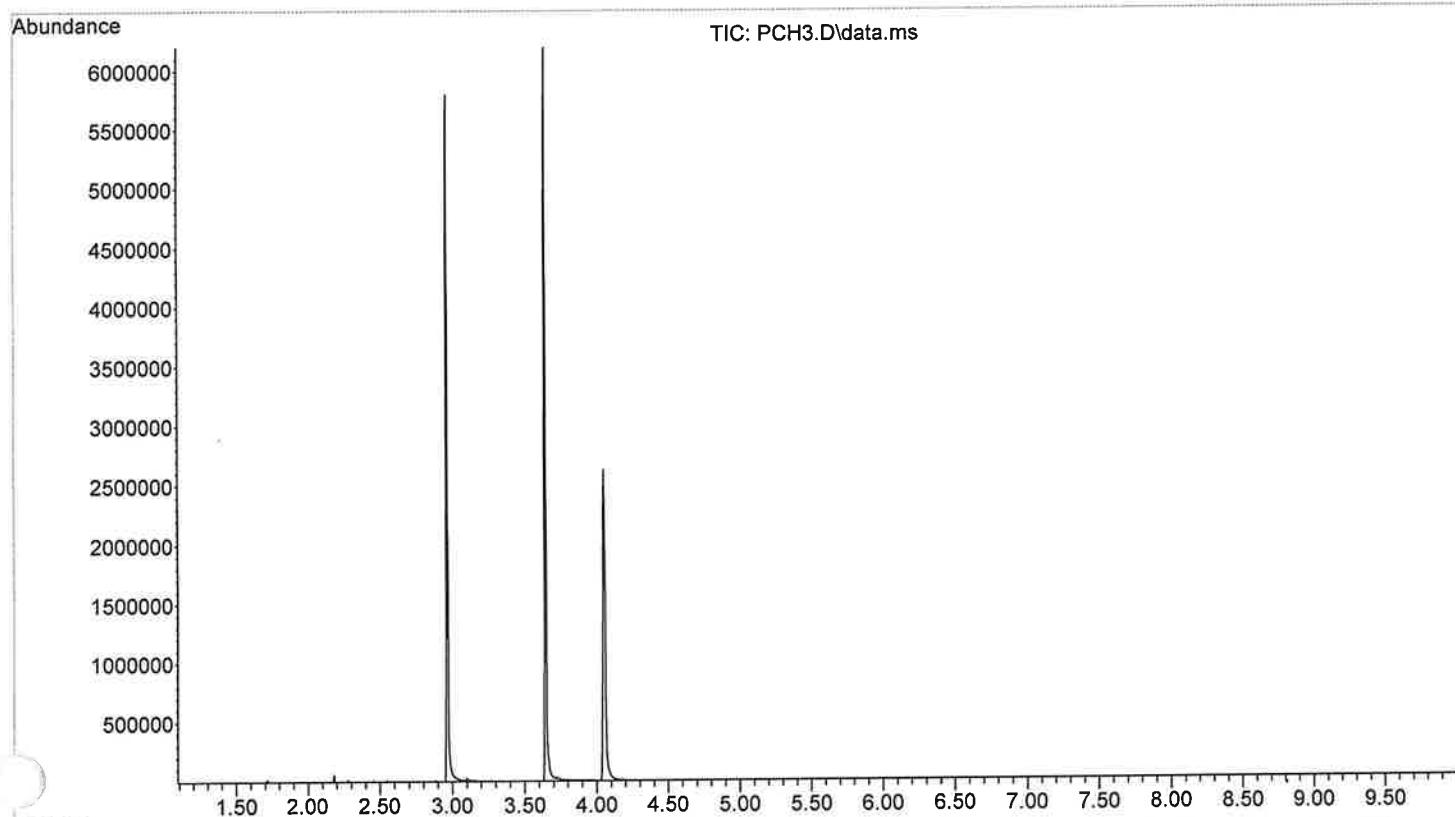
A/H = Area or Height

ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

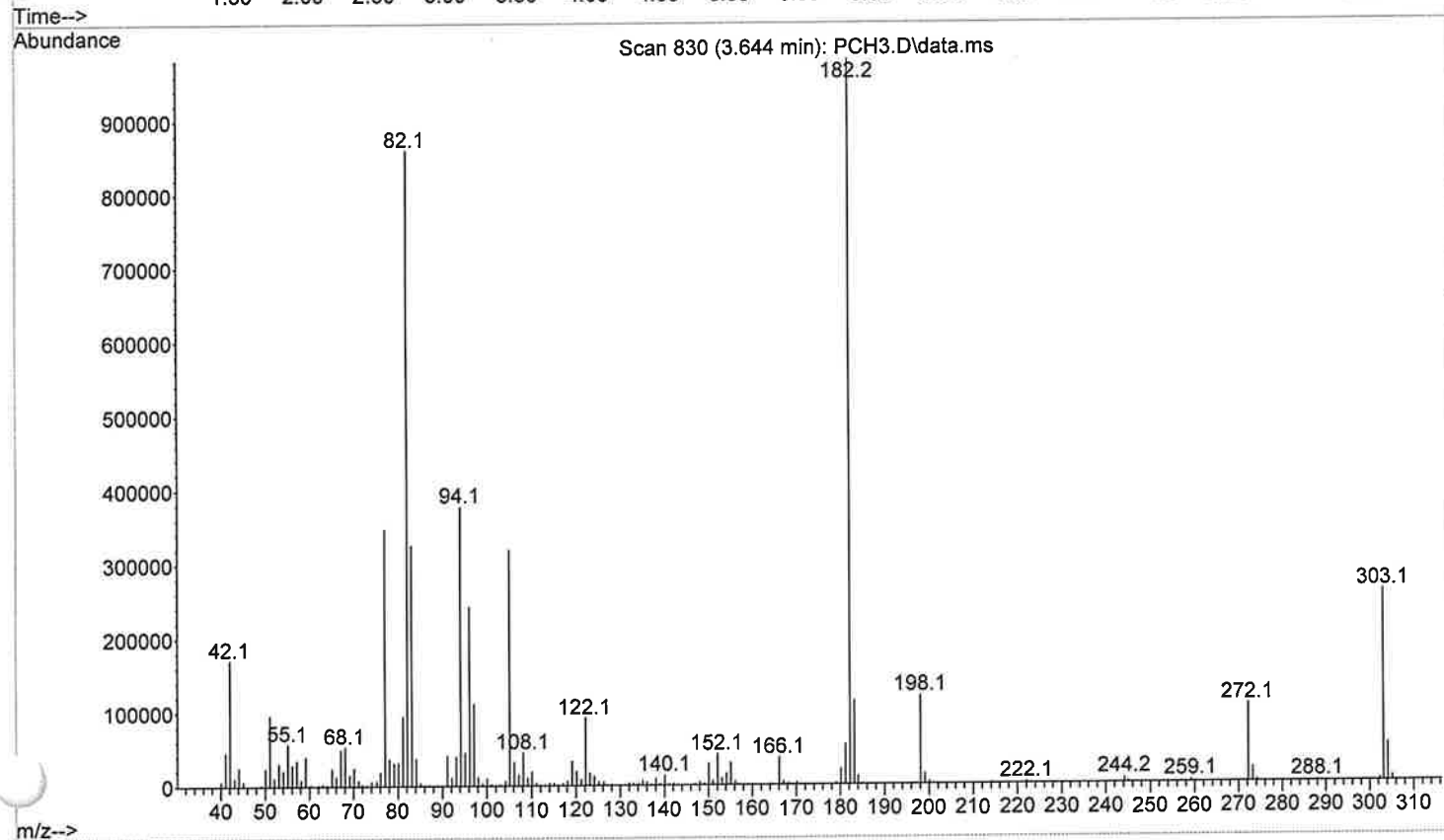
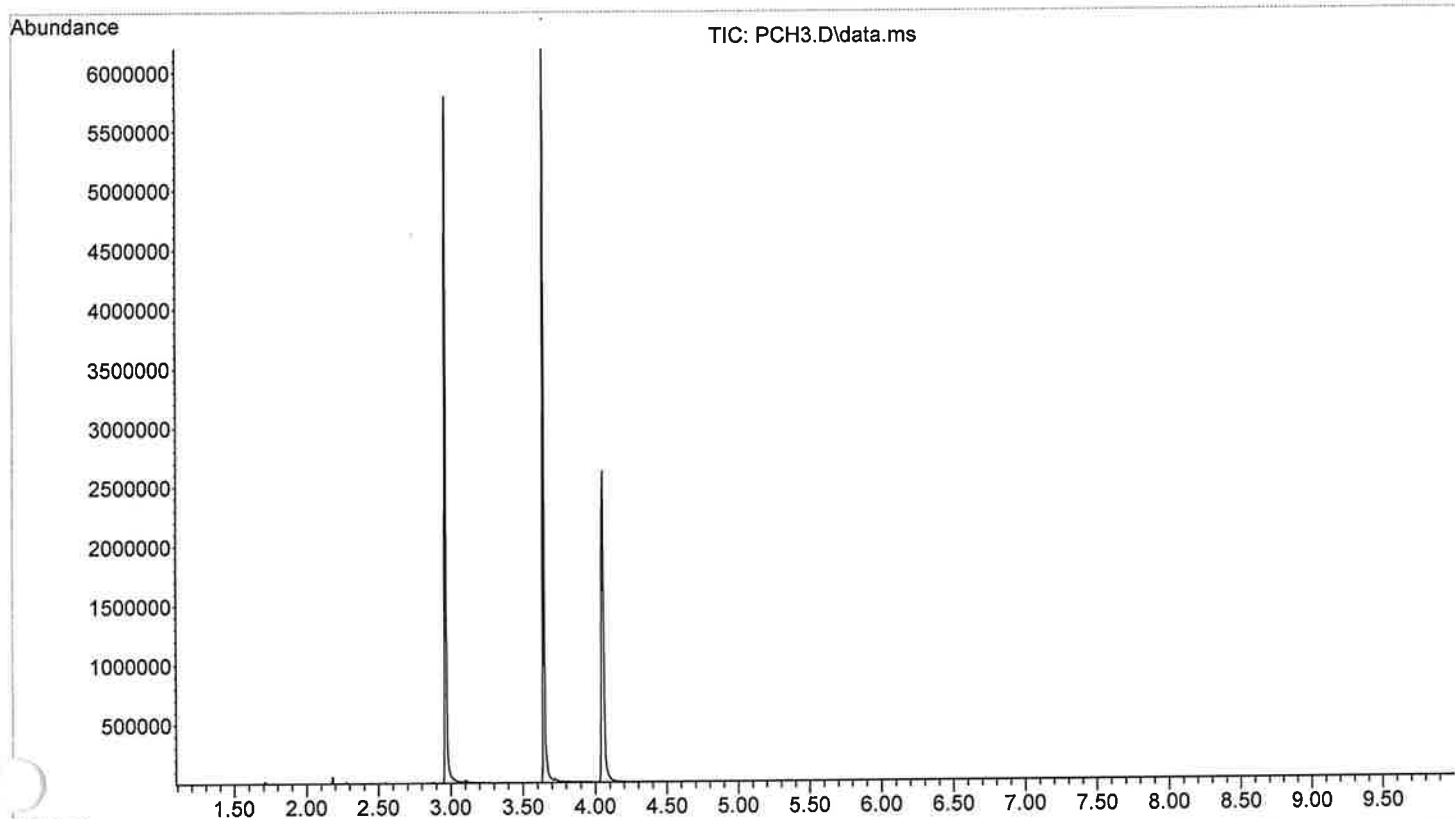
File :X:\2023\GJG\2-13-23\MV213\MSB5.D
Operator :
Acquired : 15 Feb 2023 12:59 using AcqMethod ASMS100TR.M
Instrument : Donna2
Sample Name: ME0H B FOR CALIBRATION STANDARD
Mass Info : 100-280
Vial Number: 2



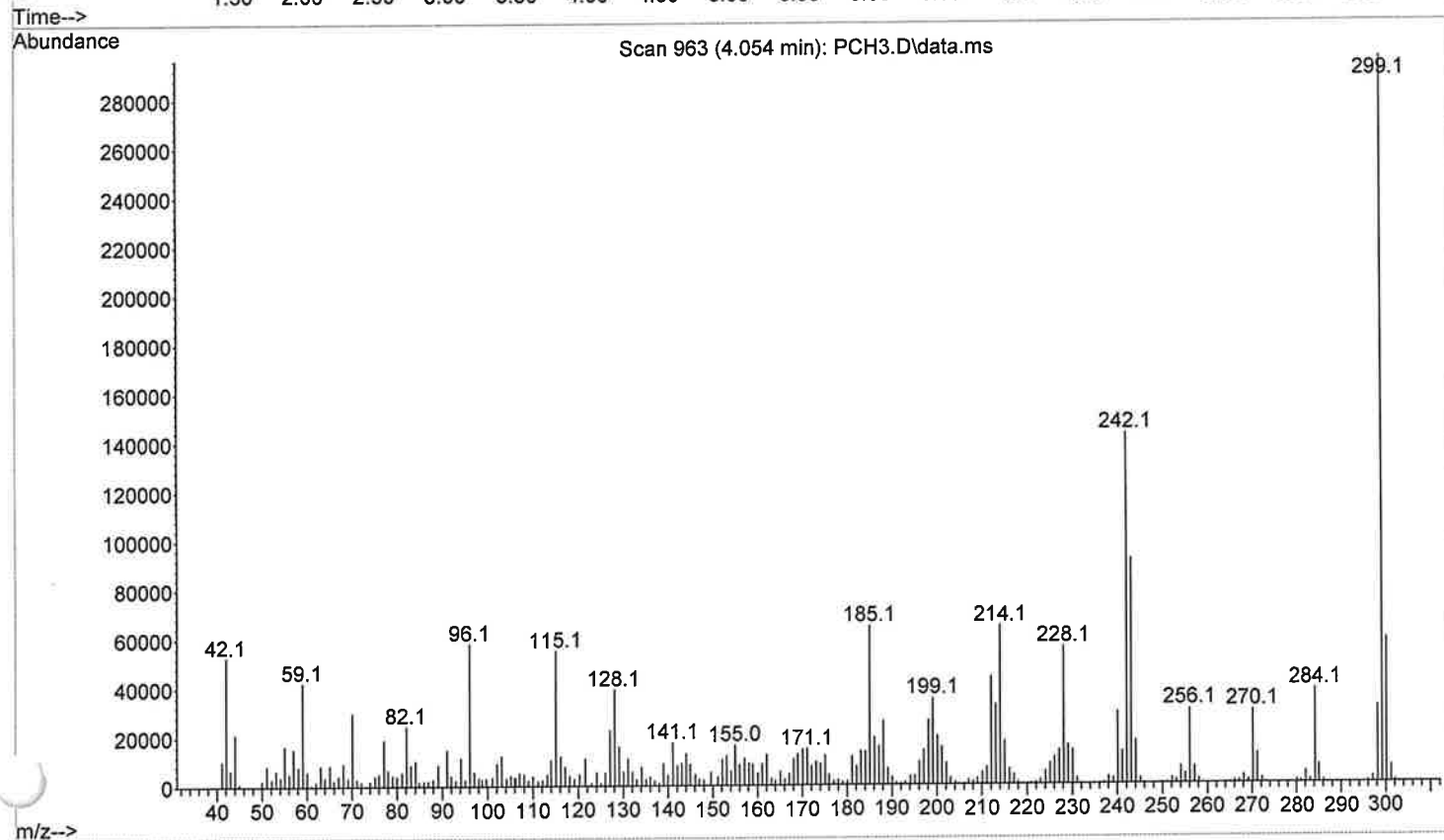
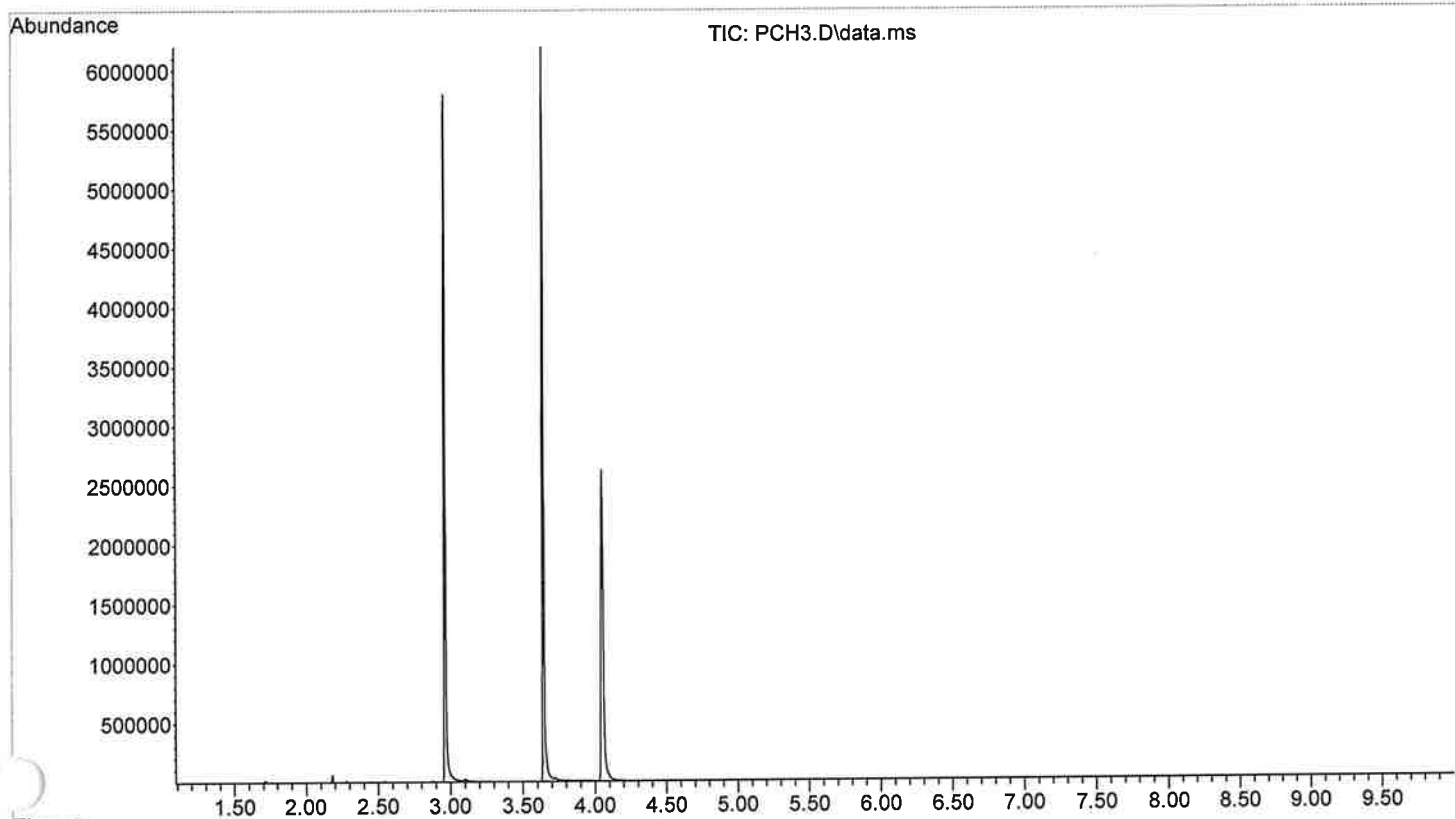
File :X:\2023\GJG\2-13-23\MV213\PCH3.D
Operator :
Acquired : 15 Feb 2023 13:14 using AcqMethod ASMS100TR.M
Instrument : Donna2
Sample Name: CALIBRATION STANDARD -- 100-280
Mi Info : PETHIDINE / COCAINE / HYDROCODONE
Vi Number: 3



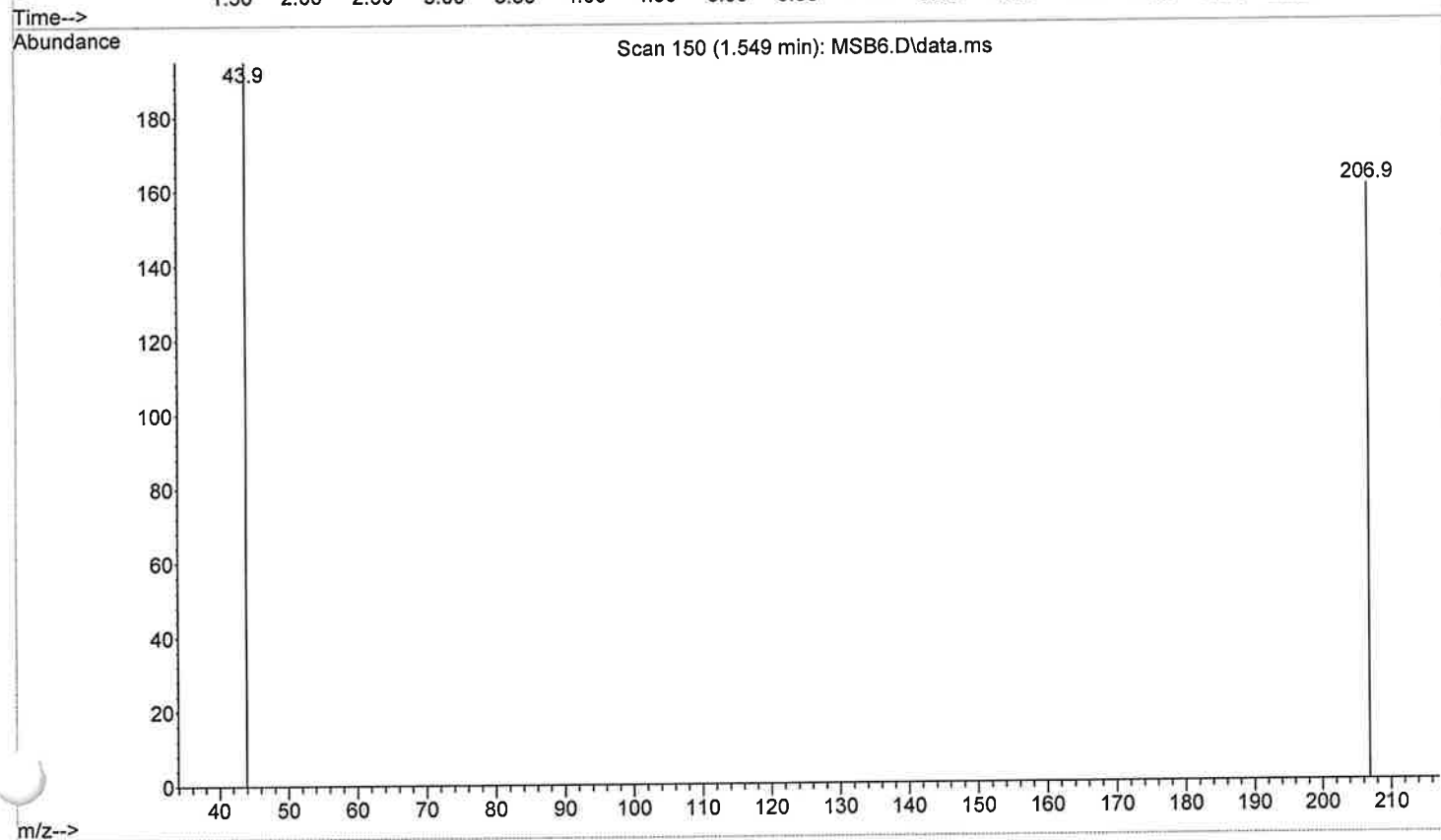
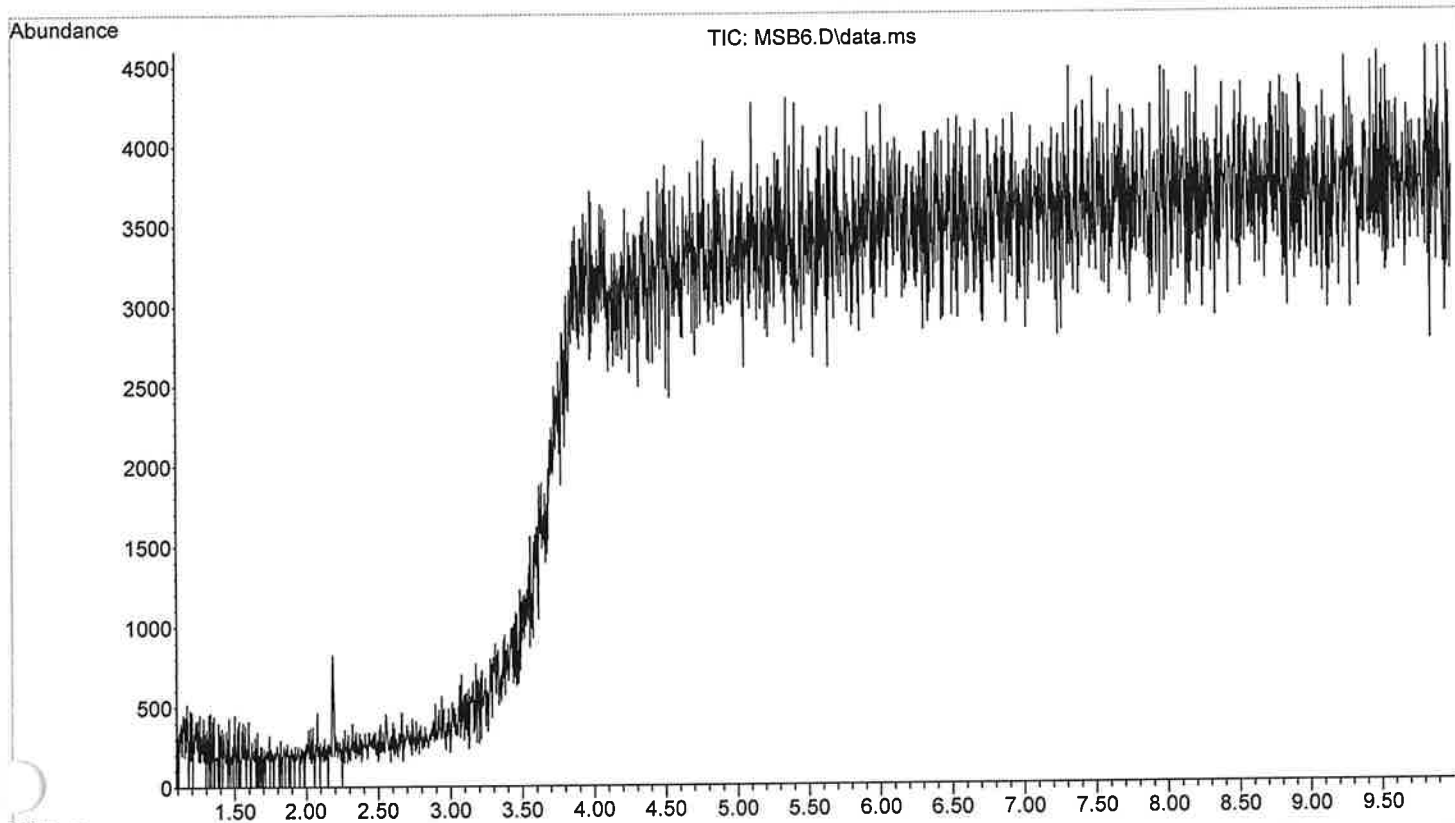
File :X:\2023\GJG\2-13-23\MV213\PCH3.D
Operator :
Acquired : 15 Feb 2023 13:14 using AcqMethod ASMS100TR.M
Instrument : Donna2
Sample Name: CALIBRATION STANDARD -- 100-280
Mix Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 3



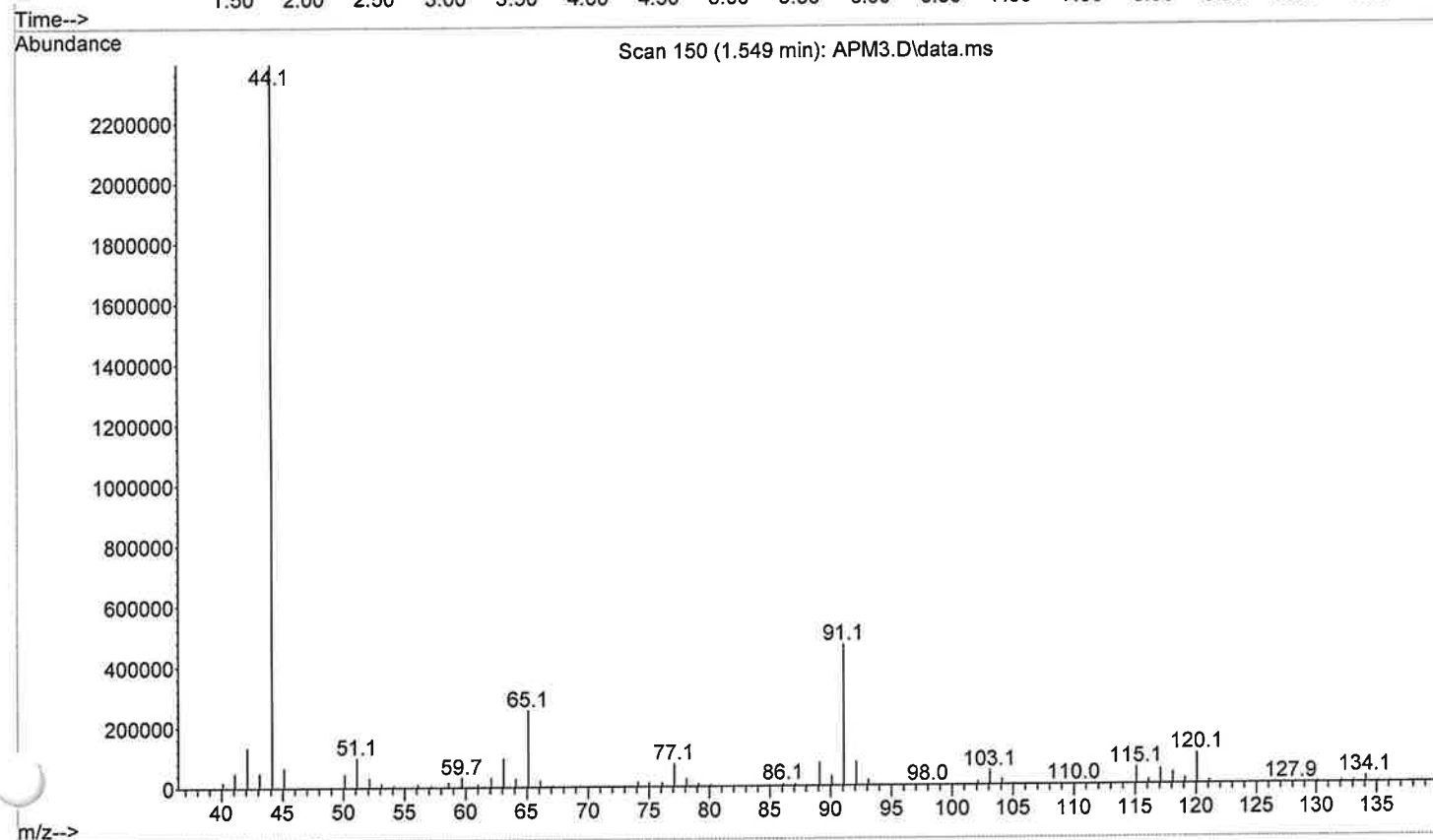
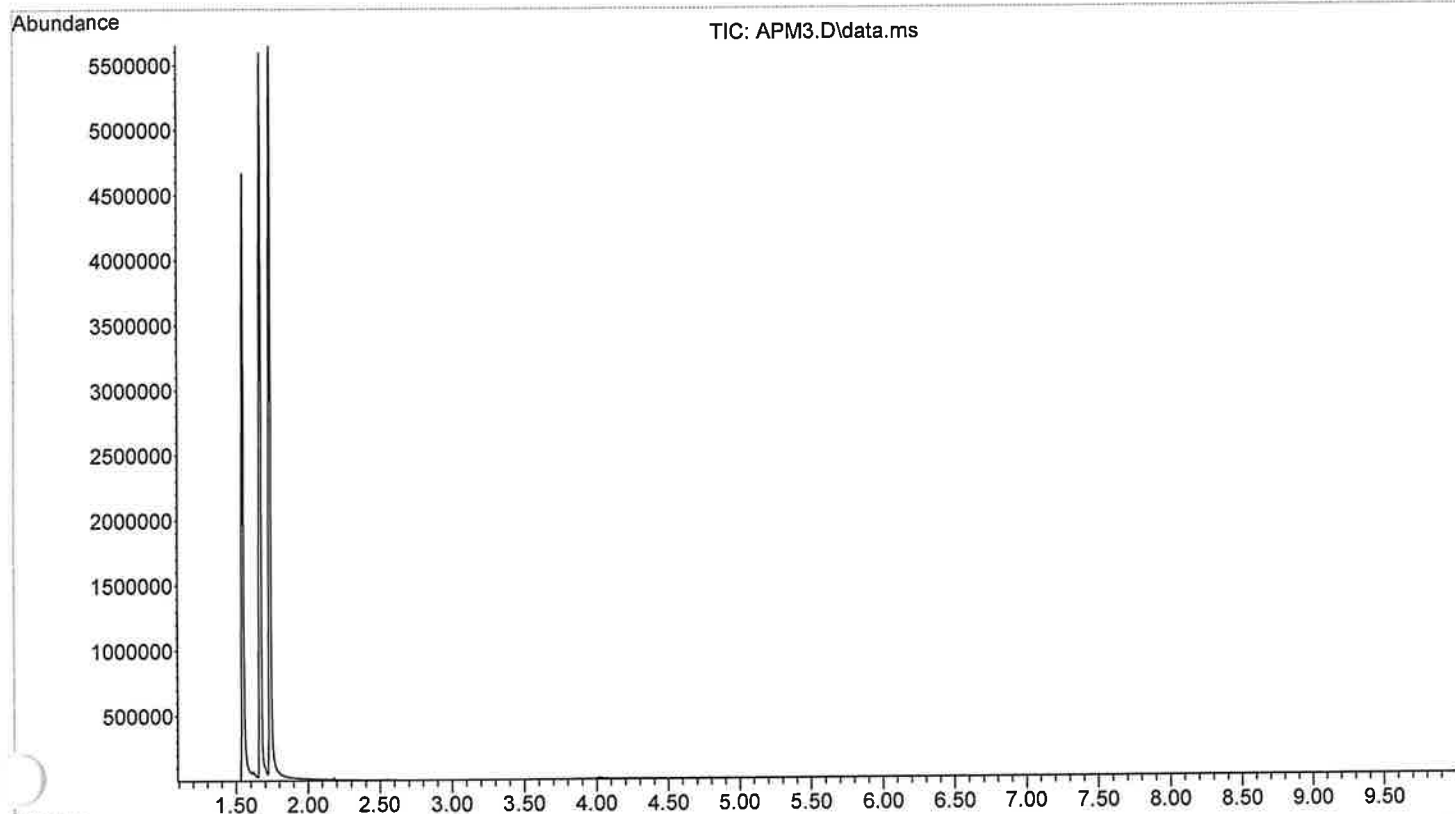
File :X:\2023\GJG\2-13-23\MV213\PCH3.D
Operator :
Acquired : 15 Feb 2023 13:14 using AcqMethod ASMS100TR.M
Instrument : Donna2
Sample Name: CALIBRATION STANDARD -- 100-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 3



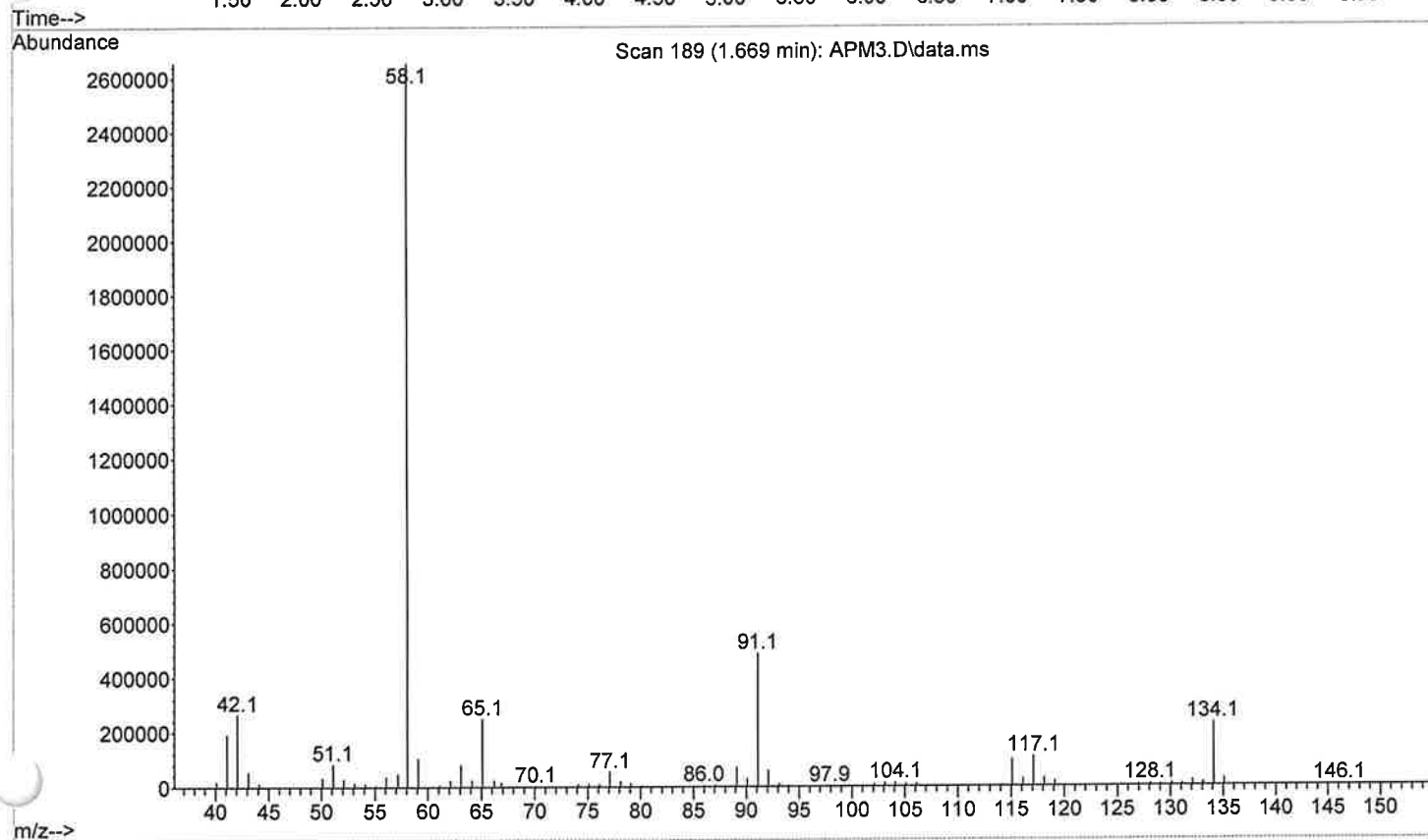
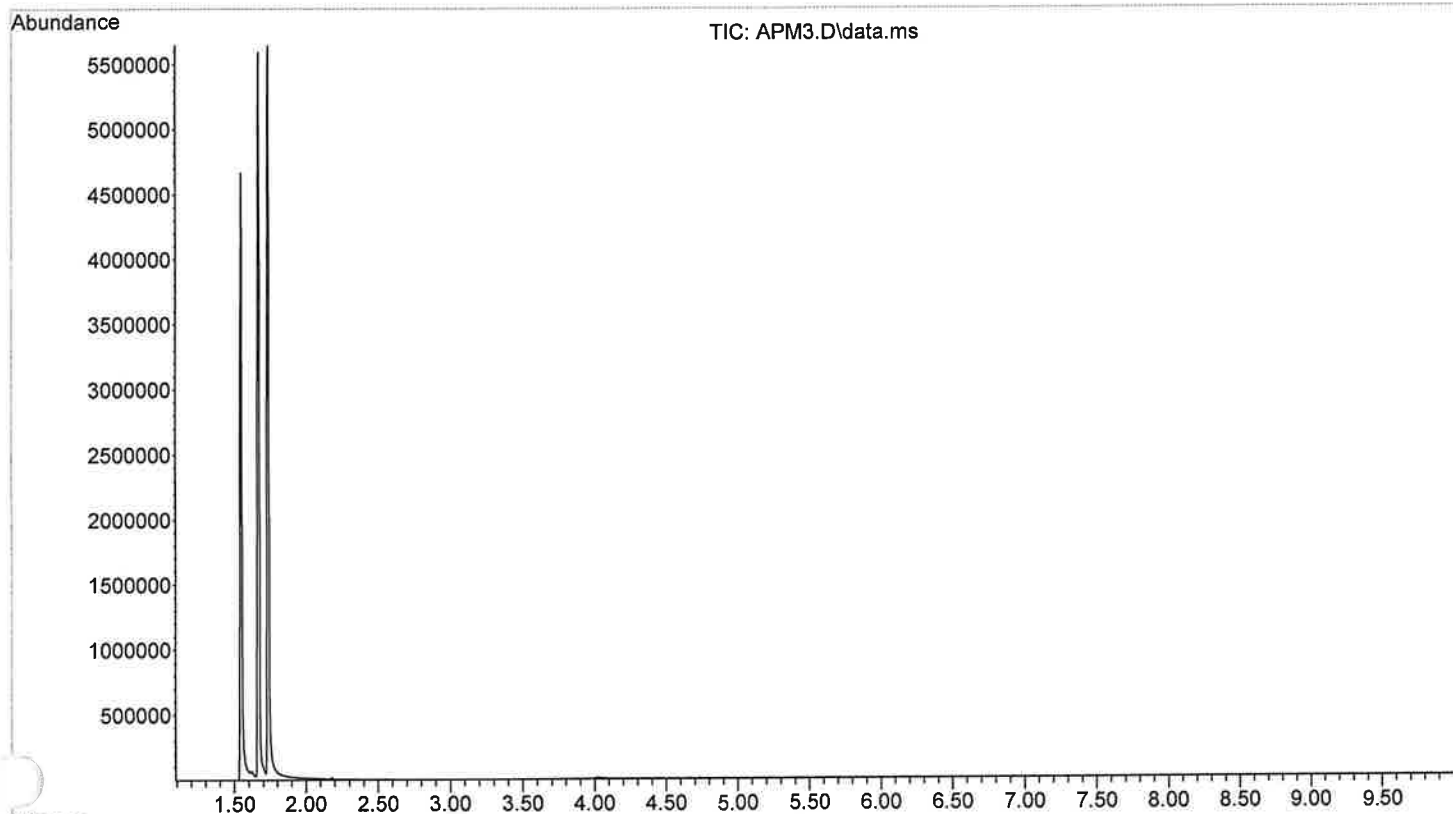
File :X:\2023\GJG\2-13-23\MV213\MSB6.D
Operator :
Acquired : 15 Feb 2023 13:42 using AcqMethod ASMS100TR.M
Instrument : Donna2
Sample Name: MEOH B FOR GC/IR TEST SOLUTION
Misc Info : 100-280
Vial Number: 2



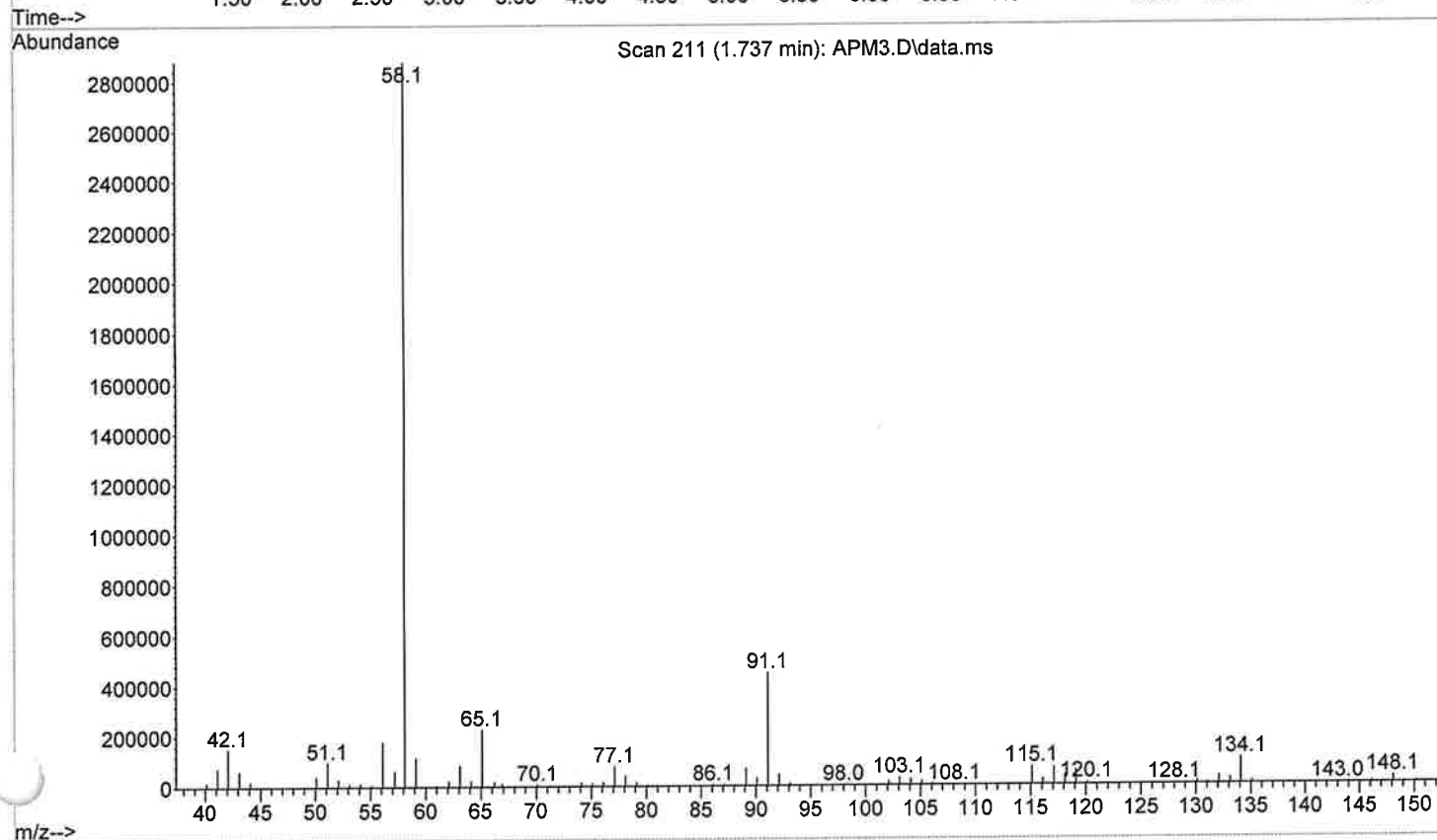
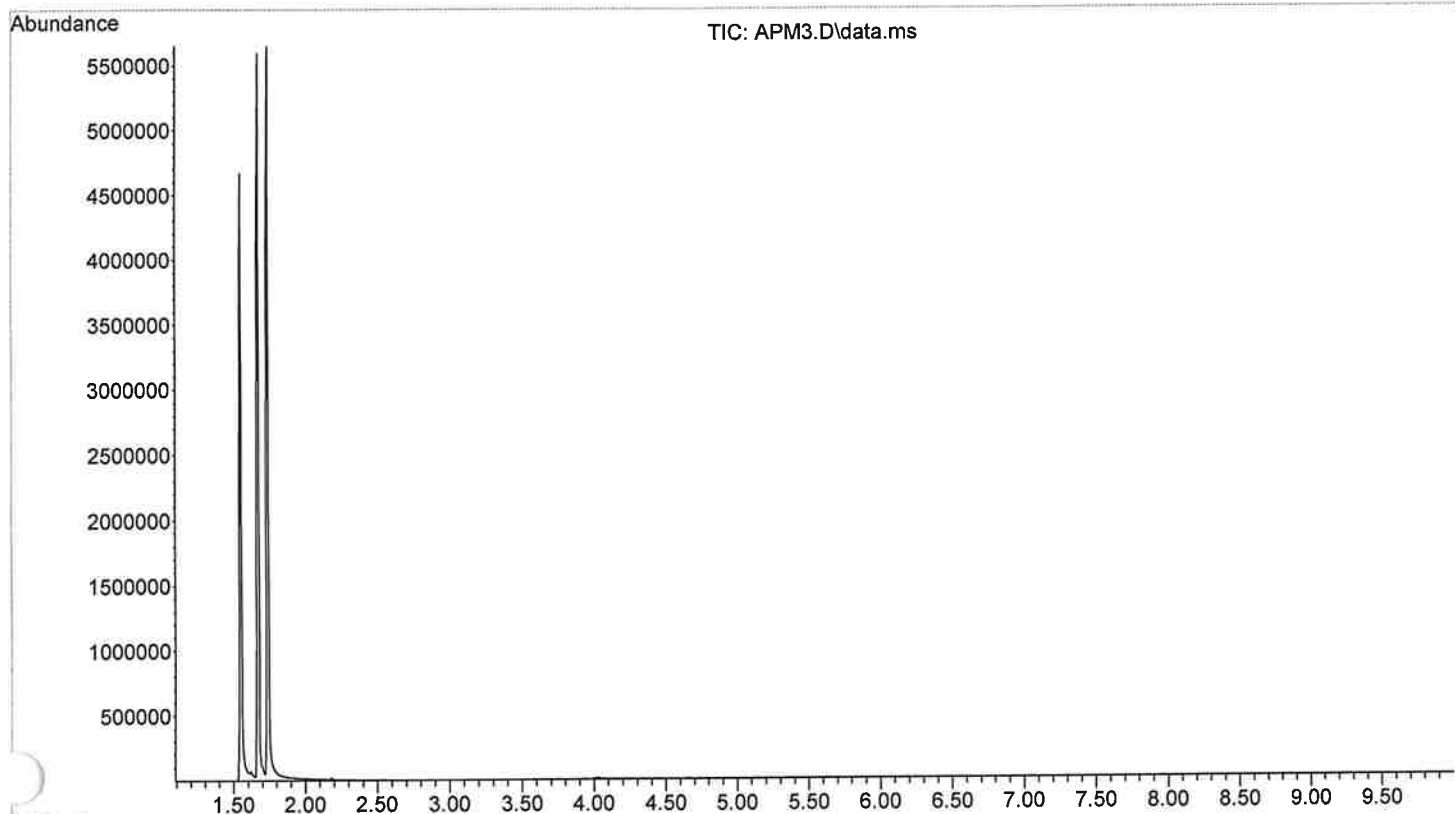
File :X:\2023\GJG\2-13-23\MV213\APM3.D
Operator :
Acquired : 15 Feb 2023 13:56 using AcqMethod ASMS100TR.M
Instrument : Donna2
Sample Name: GC/IR TEST SOLUTION -- 100-280
Mi Info : AMPHETAMINE / PHENTERMINE / METHAMPHETAMINE
Vi Number: 4



File :X:\2023\GJG\2-13-23\MV213\APM3.D
Operator :
Acquired : 15 Feb 2023 13:56 using AcqMethod ASMS100TR.M
Instrument : Donna2
Sample Name: GC/IR TEST SOLUTION -- 100-280
Misc Info : AMPHETAMINE / PHENTERMINE / METHAMPHETAMINE
V: Number: 4



File :X:\2023\GJG\2-13-23\MV213\APM3.D
Operator :
Acquired : 15 Feb 2023 13:56 using AcqMethod ASMS100TR.M
Instrument : Donna2
Sample Name: GC/IR TEST SOLUTION -- 100-280
Mi Info : AMPHETAMINE / PHENTERMINE / METHAMPHETAMINE
Vi Number: 4



METHOD CONTROL PARAMETERS

Method Information for: E:\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:

Auto Sample MS Drugs 200-280 6 minutes

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	E:\methods\ASMS200TR.M
Tune file	atune.u
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
Acquisition Type	Scan
Stop time (min)	650.00
Solvent delay (min)	1.00
Trace Ion Detection	False
Delta EMV	0
EM Saver	False
EM Saver Limit	N/A

Scan Time Segments

Time	Start Mass	End Mass	Threshold	Scan Speed
1.00	40	550	150	3,125 [N=1]

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
Extracted Ion	Scan 1-2	40	550

Self-Cleaning Ion Source Parameters

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

E:\methods\ASMS200TR.M
Mon Mar 13 17:50:10 2023

Control Information

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

No Sample Prep method has been assigned to this method.

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

Oven
Temperature
Setpoint On
(Initial) 200 °C
Hold Time 1 min
Post Run 0 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 3.86 min

Equilibration Time 0.5 min
x Temperature 305 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Injection Repetitions 1
Injection Delay 0 sec
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 2
Solvent A Volume 8 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 2
Solvent B Volume 8 µL
Sample Washes 1
Sample Wash Volume 8 µL
Sample Pumps 2
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 300 µL/min
Solvent Wash Dispense Speed 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

Solvent Wash Mode

A, B

Back Injector
Syringe Size 10 µL
Injection Volume 1 µL
Injection Repetitions 1
Injection Delay 0 sec
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 0
Solvent A Volume 8 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 0
Solvent B Volume 8 µL
Sample Washes 0
Sample Wash Volume 8 µL
Sample Pumps 6
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 300 µL/min
Solvent Wash Dispense Speed 6000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 6000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Solvent Wash Mode A, B

ALS Errors

Pause for user interaction

Front SS Inlet He

Mode Split
Heater On 250 °C
Pressure On 15.94 psi
Gas Saver Off
Split Ratio 50 :1
Split Flow 48.428 mL/min
Liner A Liner has not been selected.

Back SS Inlet He

Mode Split
Heater On 250 °C
Pressure On 6.7158 psi
Gas Saver Off
Split Ratio 50 :1
Split Flow 33.761 mL/min
Liner A Liner has not been selected.

Thermal Aux 2 (MSD Transfer Line)

Temperature
Setpoint On
(Initial) 280 °C
Hold Time 0 min

Column

Column #1
Flow
Setpoint On
(Initial) 0.96856 mL/min
Hold Time 0 min
Post Run 0.969 mL/min

Column Information

Temperature Range J&W01
-60 °C-305 °C (305 °C)

Dimensions	12.5 m x 200 µm x 0.33 µm
Column lock	Unlocked
In	Front SS Inlet He
Out	MSD
Column Outlet Pressure	MSD
(Initial)	200 °C
Pressure	15.941 psi
Flow	0.96856 mL/min
Average Velocity	59.061 cm/sec
Holdup Time	0.35275 min
Control Mode	Constant Flow
Column #2	
Pressure	
Setpoint	On
(Initial)	6.7158 psi
Hold Time	0 min
Post Run	0 psi
Column Information	AB003
Temperature Range	-60 °C-305 °C (305 °C)
Dimensions	30 m x 320 µm x 1 µm
Column lock	Unlocked
In	Back SS Inlet He
Out	Front Detector FID
Column Outlet Pressure	0 psi
(Initial)	200 °C
Pressure	6.7158 psi
Flow	0.67521 mL/min
Average Velocity	18.095 cm/sec
Holdup Time	2.7632 min
Control Mode	Ramped Pressure
Front Detector FID	
Makeup	He
Water	On 250 °C
2 Flow	Off
Air Flow	Off
Makeup Flow	On 45 mL/min
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	Off
Signals	
Signal #1: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	Off
Data Rate	20 Hz
Dual Injection Assignment	Front Sample
Signal #2: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	Off
Data Rate	20 Hz
Dual Injection Assignment	Back Sample

Column 1 Inventory Number :
Column 2 Inventory Number :

TUNE PARAMETERS for SN: US10423616

Trace Ion Detection is OFF.

34.610	:	EMISSION	
70.347	:	ENERGY	
33.279	:	REPELLER	
90.157	:	IONFOCUS	
22.000	:	ENTRANCE_LENS	
894.118	:	EMVOLTS	
		1023.529	: Actual EMV
		0.99	: GAIN FACTOR
1672.000	:	AMUGAIN	
120.500	:	AMUOFFSET	
2.000	:	FILAMENT	
0.000	:	DCPOLARITY	
19.075	:	ENTLENSOFFSET	
-820.000	:	MASSGAIN	
-32.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

Method Path : E:\methods\
Method File : ASMS200TR.M
Title :
1st Update :
Response Via : Initial Calibration

Total Cpnds : 0

PK#	Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
-----	---------------	------	--------	--------	-----	-------	-----	----

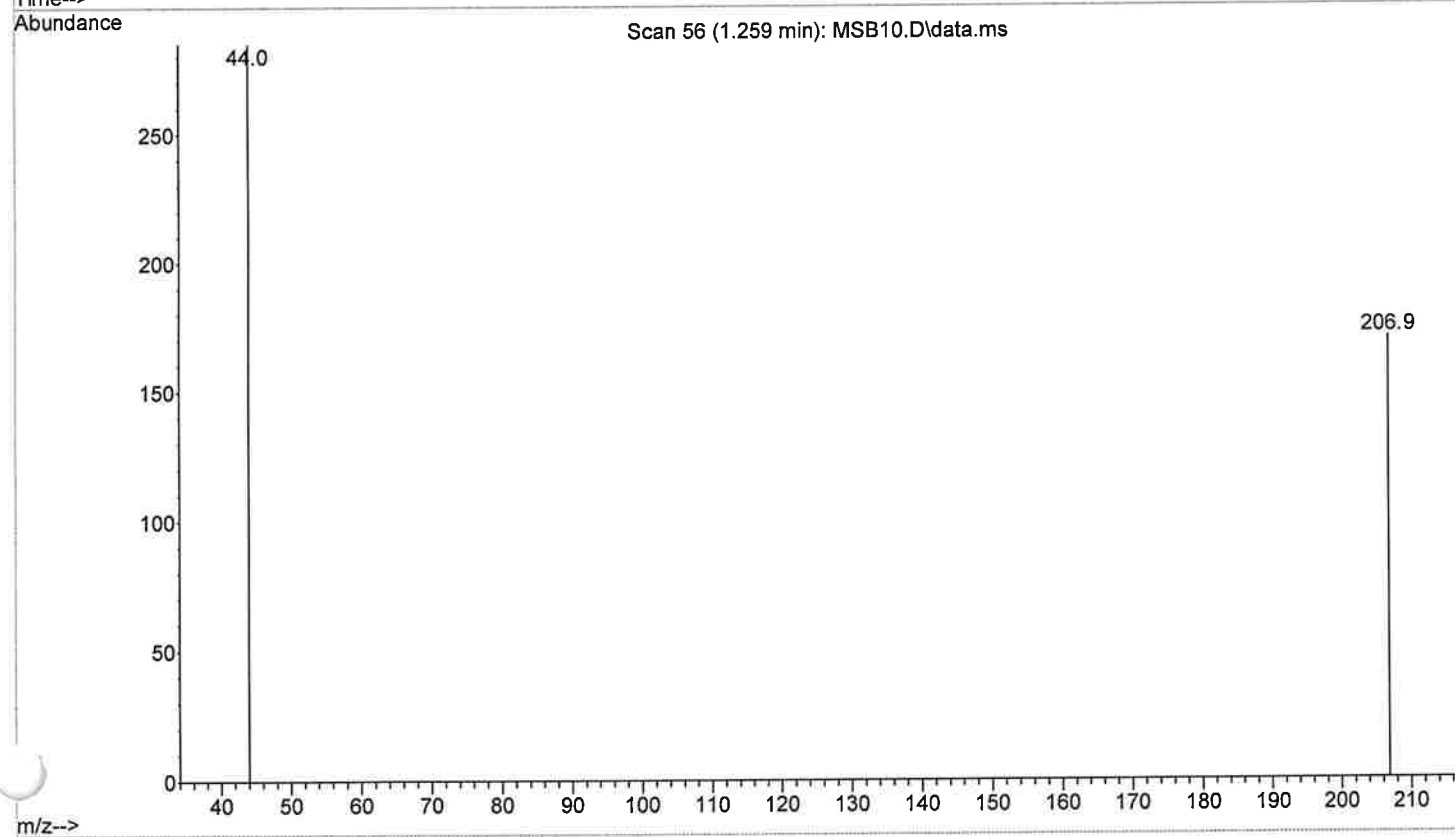
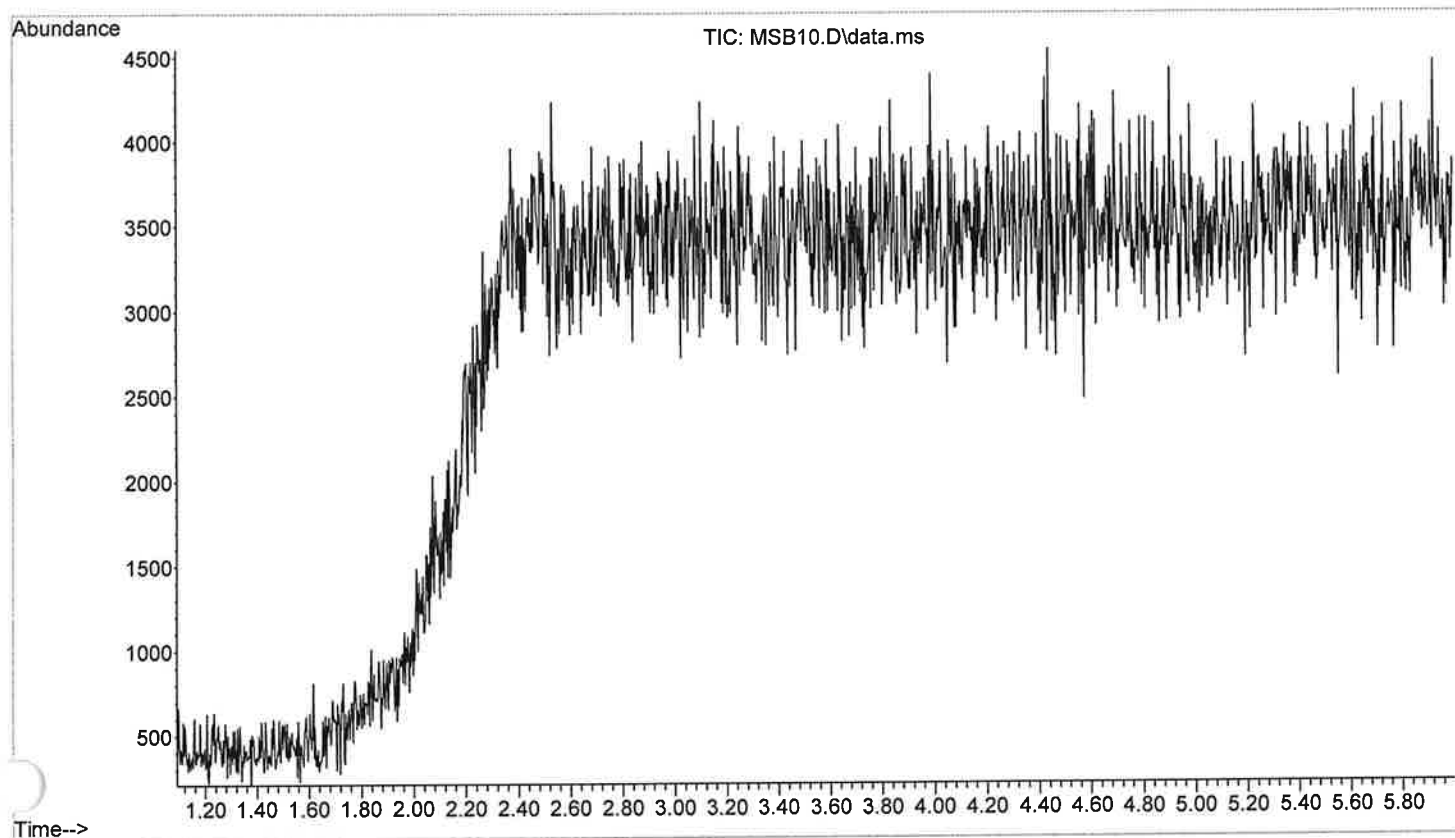
Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin

#Qual = number of qualifiers

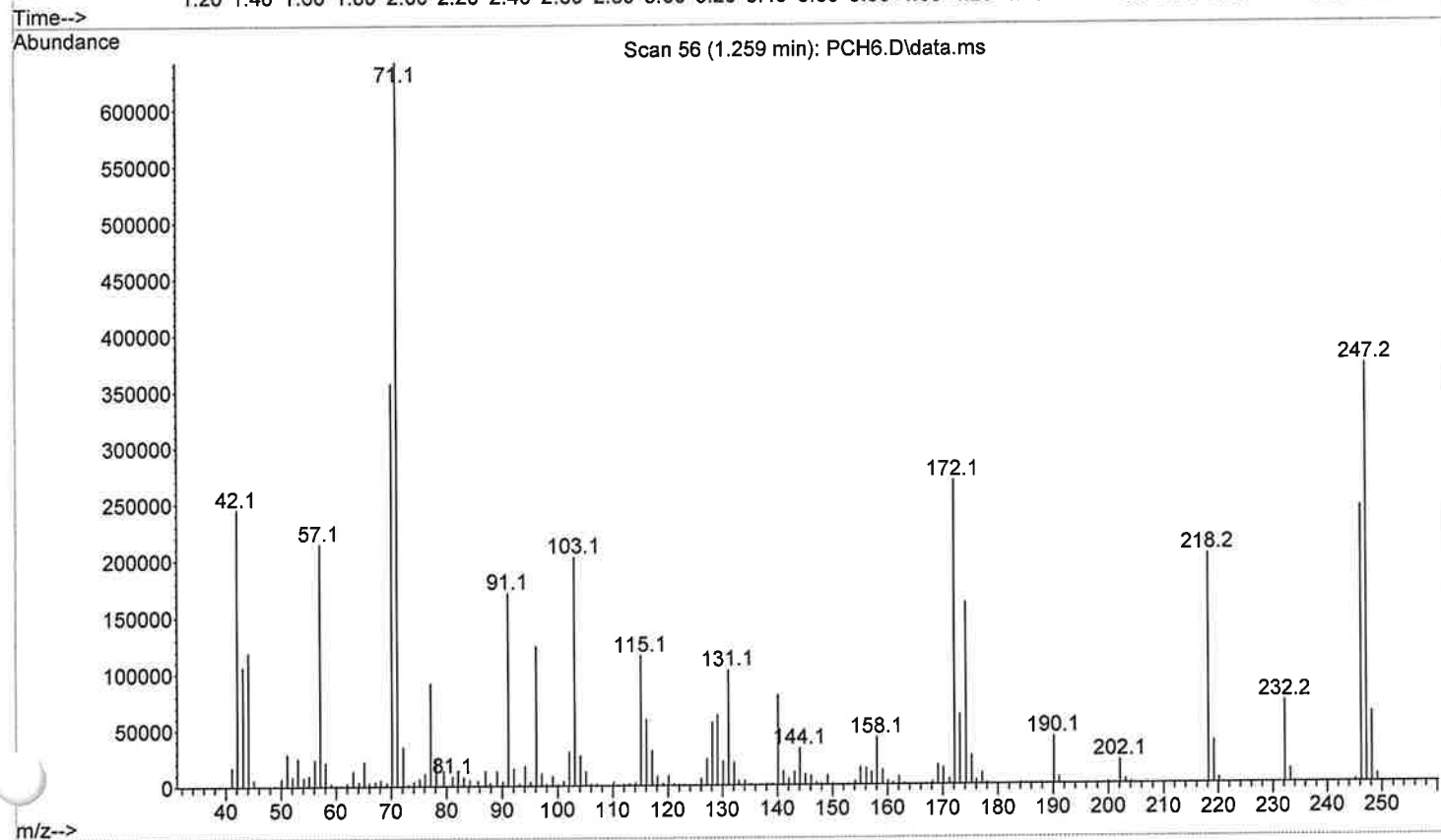
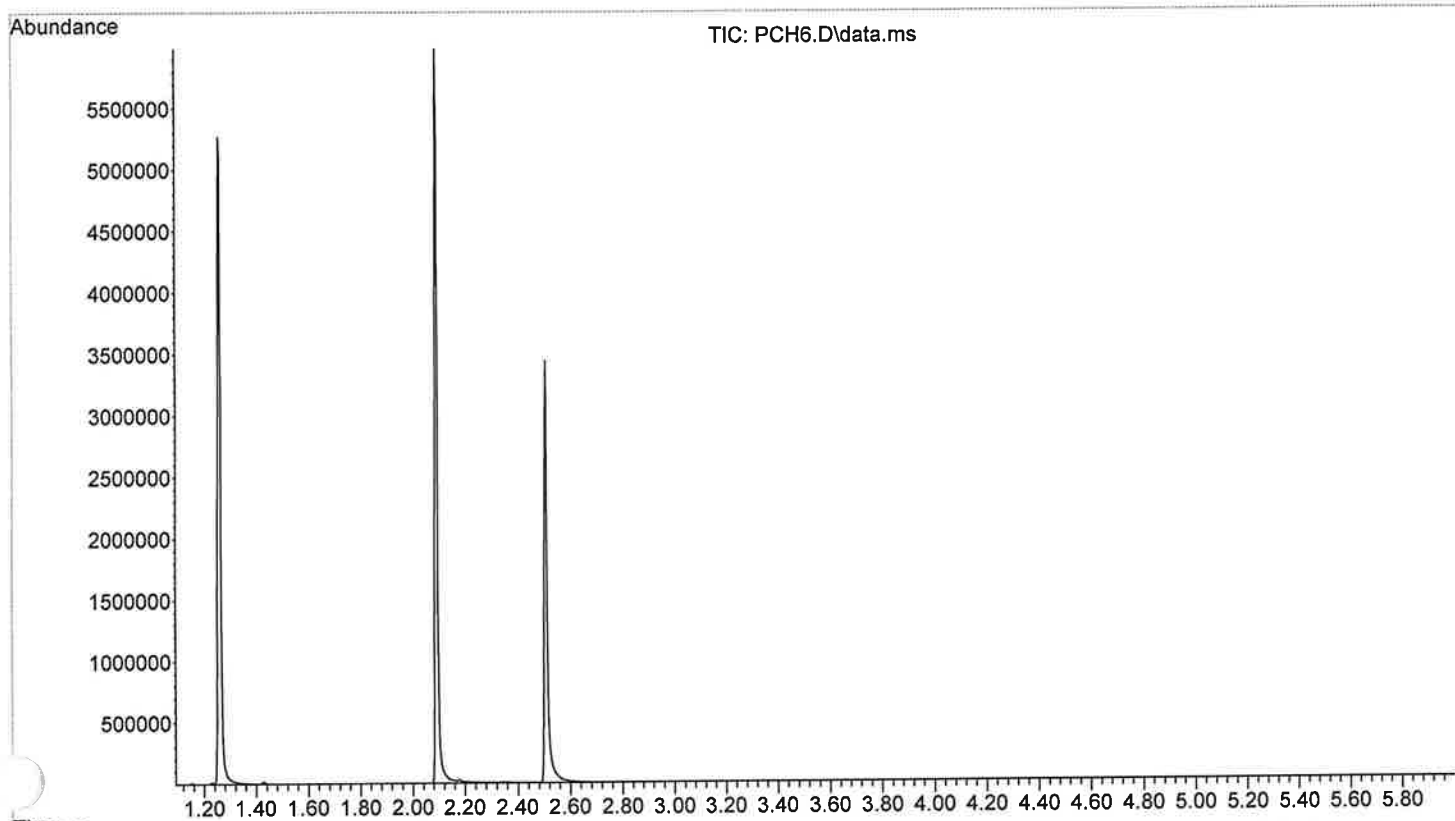
A/H = Area or Height

ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

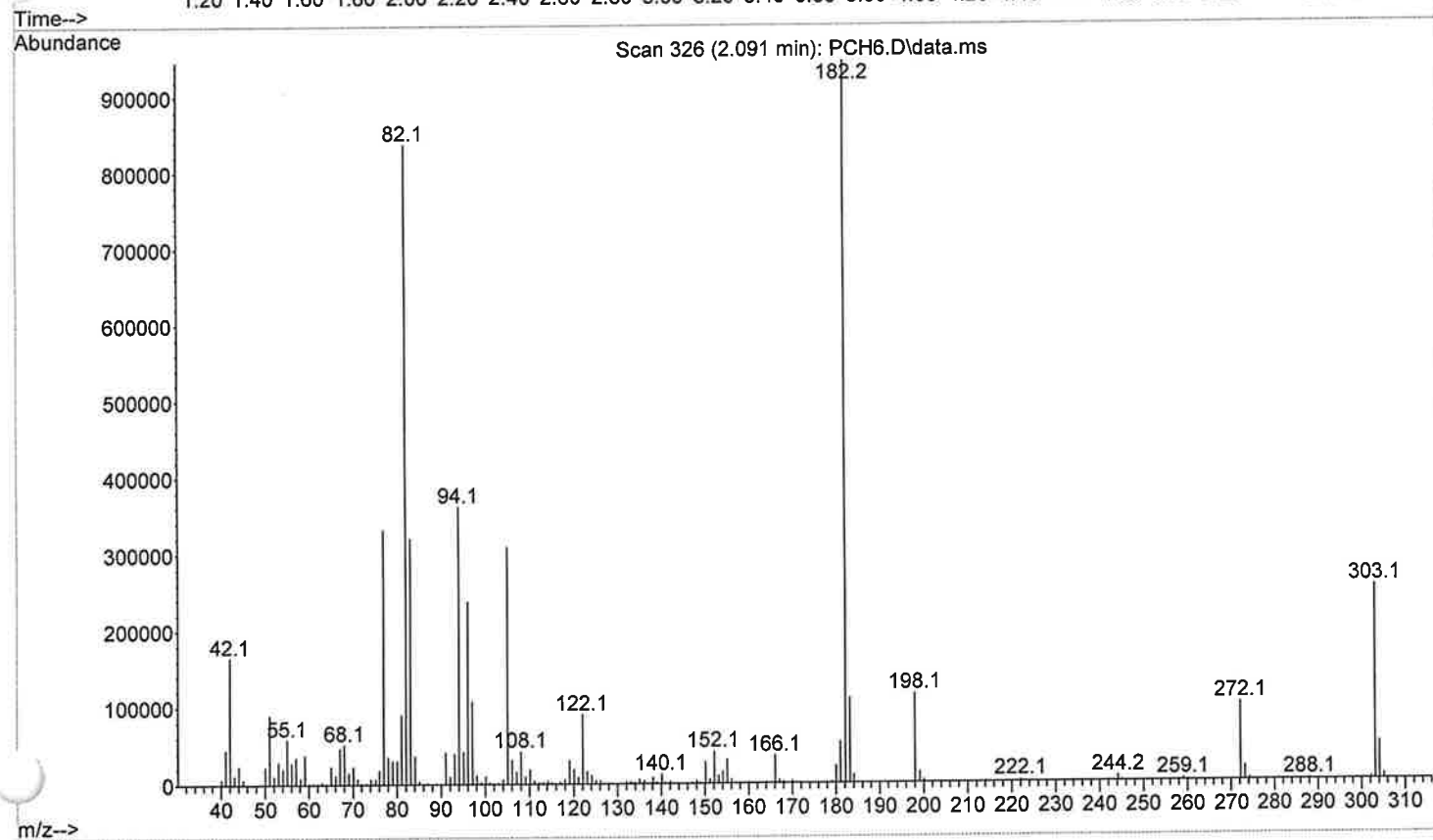
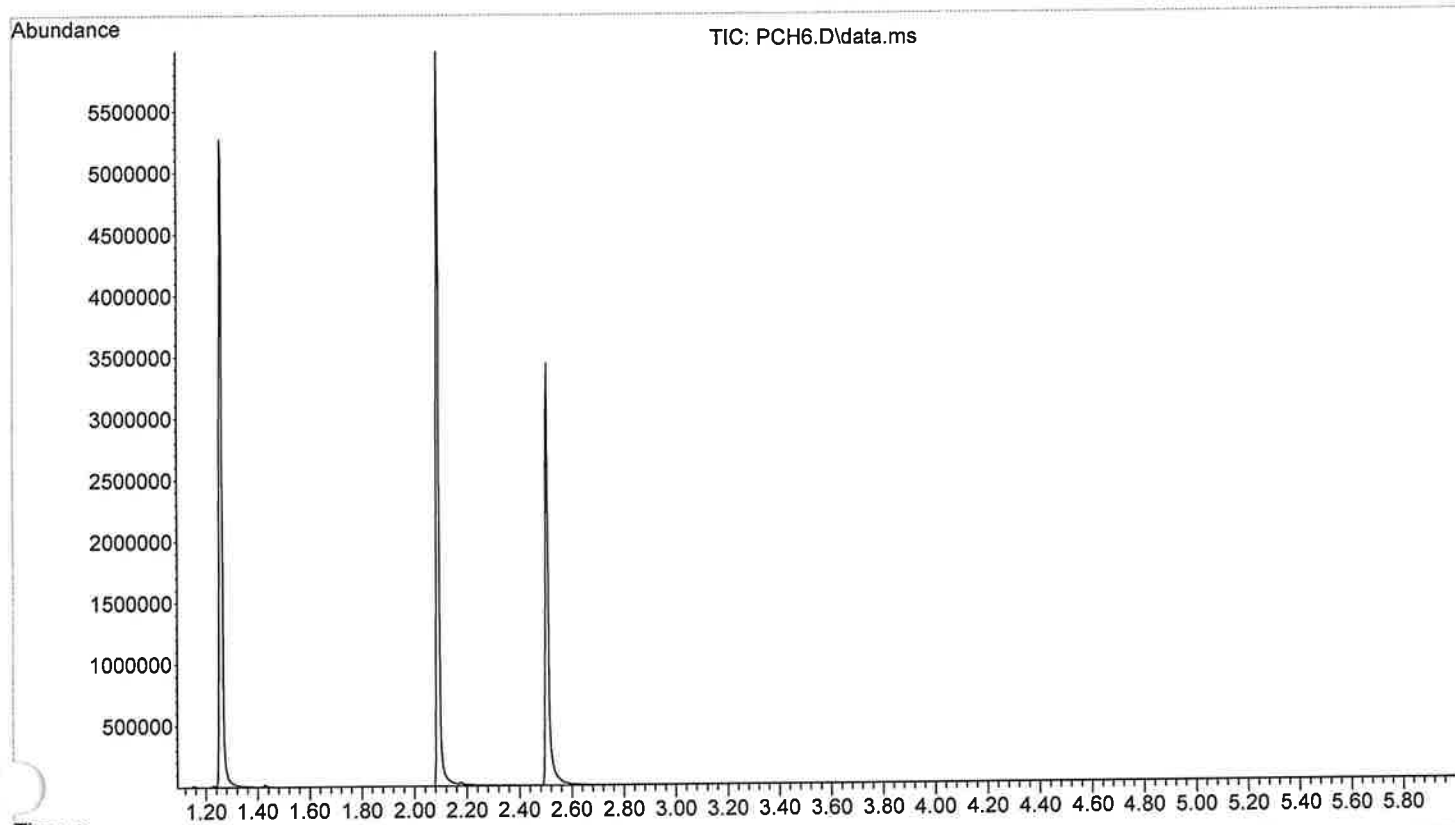
File :X:\2023\GJG\2-13-23\MV213\MSB10.D
Operator :
Acquired : 15 Feb 2023 17:33 using AcqMethod ASMS200TR.M
Instrument : Donna2
Sample Name: MEOH B FOR CALIBRATION STANDARD
Mi Info : 200-280
V: Number: 2



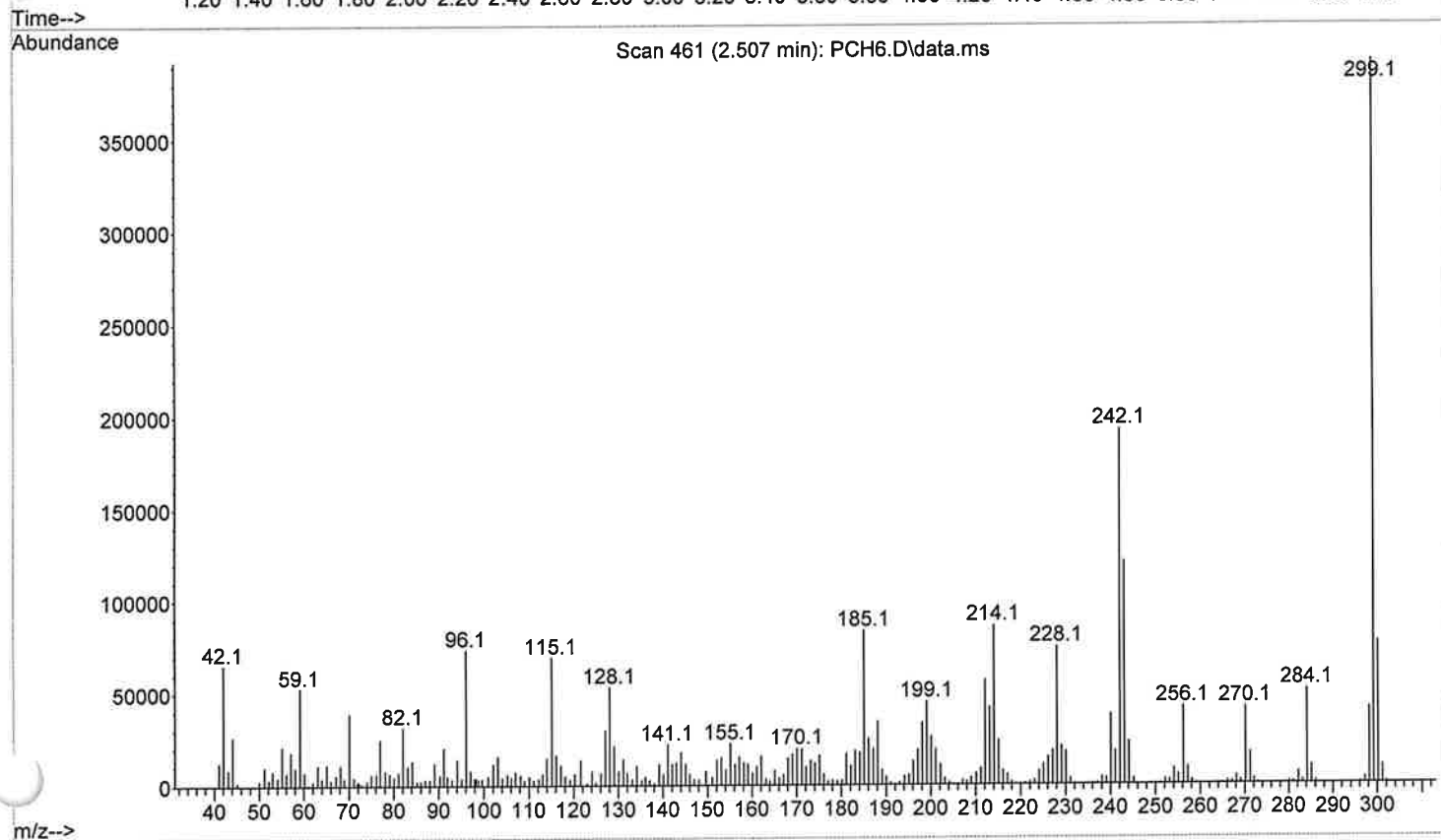
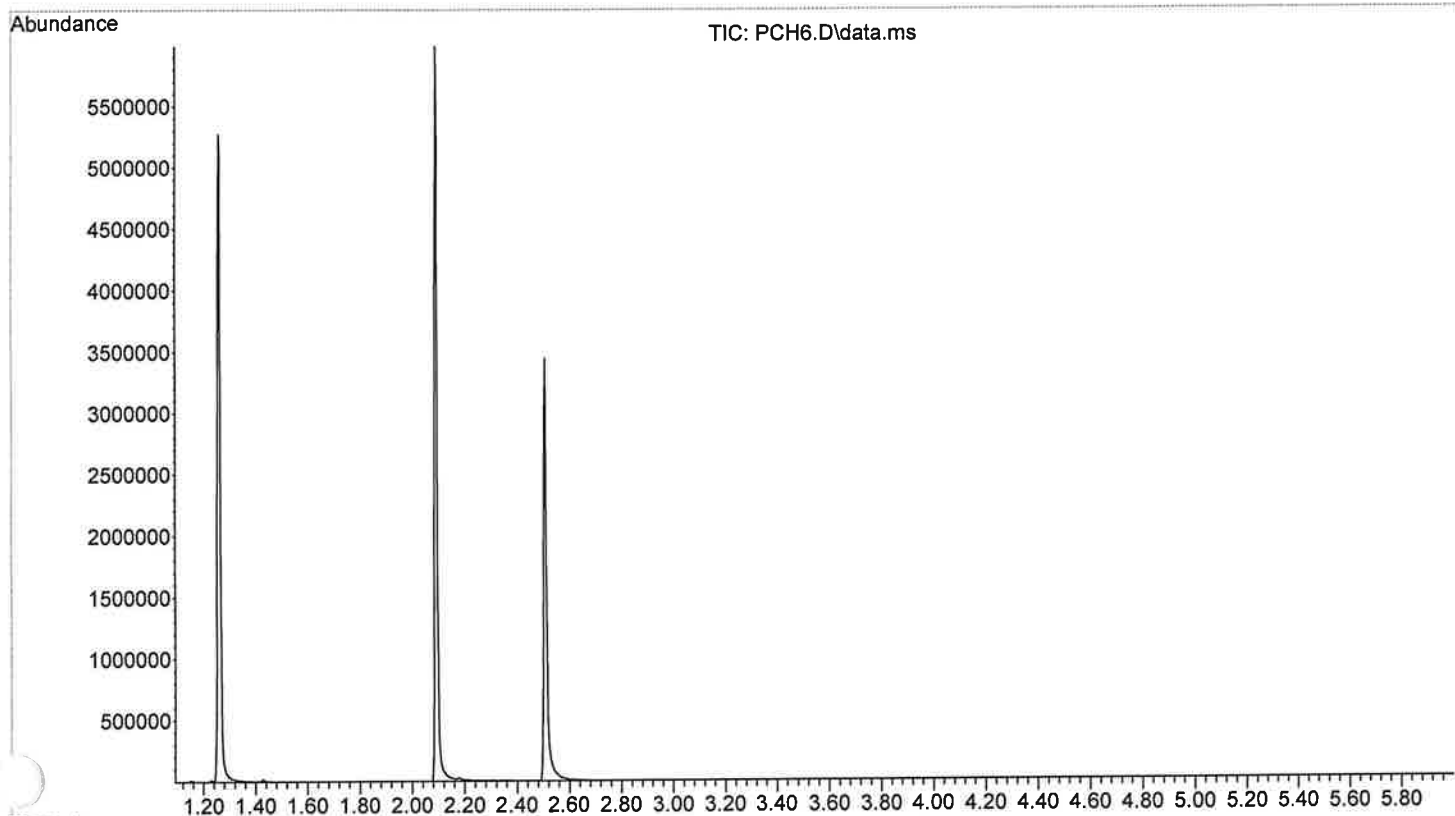
File :X:\2023\GJG\2-13-23\MV213\PCH6.D
Operator :
Acquired : 15 Feb 2023 17:41 using AcqMethod ASMS200TR.M
Instrument : Donna2
Sample Name: CALIBRATION STANDARD -- 200-280
Mi Info : PETHIDINE / COCAINE / HYDROCODONE
V: Number: 3



File :X:\2023\GJG\2-13-23\MV213\PCH6.D
Operator :
Acquired : 15 Feb 2023 17:41 using AcqMethod ASMS200TR.M
Instrument : Donna2
Sample Name: CALIBRATION STANDARD -- 200-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 3



File :X:\2023\GJG\2-13-23\MV213\PCH6.D
Operator :
Acquired : 15 Feb 2023 17:41 using AcqMethod ASMS200TR.M
Instrument : Donna2
Sample Name: CALIBRATION STANDARD -- 200-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 3



METHOD CONTROL PARAMETERS

Method Information for: E:\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:

GC/FID ramp 100-280c

END OF METHOD CONTROL PARAMETERS

E:\methods\GC100.M
Mon Mar 13 14:03:16 2023

Control Information

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

No Sample Prep method has been assigned to this method.

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

Oven
Temperature
Setpoint On
(Initial) 100 °C
Hold Time 1 min
Post Run 0 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 6.43 min

Equilibration Time 0.5 min
Max Temperature 305 °C
Maximum Temperature Override Disabled
Blow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Injection Repetitions 1
Injection Delay 0 sec
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 2
Solvent A Volume 8 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 0
Solvent B Volume 8 µL
Sample Washes 2
Sample Wash Volume 8 µL
Sample Pumps 2
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 300 µL/min
Solvent Wash Dispense Speed 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
Solvent Wash Mode A, B

Back Injector	
Syringe Size	10 µL
Injection Volume	1 µL
Injection Repetitions	1
Injection Delay	0 sec
Solvent A Washes (PreInj)	2
Solvent A Washes (PostInj)	0
Solvent A Volume	8 µL
Solvent B Washes (PreInj)	2
Solvent B Washes (PostInj)	0
Solvent B Volume	8 µL
Sample Washes	0
Sample Wash Volume	8 µL
Sample Pumps	6
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Solvent Wash Mode	A, B
ALS Errors	Pause for user interaction
Front SS Inlet He	
Mode	Split
Heater	On 250 °C
Pressure	On 10.401 psi
Gas Saver	Off
Split Ratio	50 :1
Split Flow	48.428 mL/min
Liner	A Liner has not been selected.
Back SS Inlet He	
Mode	Split
Heater	On 250 °C
Pressure	On 6.7158 psi
Gas Saver	Off
Split Ratio	50 :1
Split Flow	50.309 mL/min
Liner	A Liner has not been selected.
Thermal Aux 2 (MSD Transfer Line)	
Temperature	
Setpoint	On
(Initial)	280 °C
Hold Time	0 min
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	0.96856 mL/min
Hold Time	0 min
Post Run	0.969 mL/min
Column Information	J&W01
Temperature Range	-60 °C-305 °C (305 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm

Column lock
In
Out
Column Outlet Pressure
(Initial)
Pressure
Flow
Average Velocity
Holdup Time
Control Mode

Unlocked
Front SS Inlet He
MSD
MSD
100 °C
10.402 psi
0.96856 mL/min
56.859 cm/sec
0.3664 min
Constant Flow

Column #2
Pressure
Setpoint
(Initial)
Hold Time
Post Run

On
6.7158 psi
0 min
0 psi

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

AB003
-60 °C-305 °C (305 °C)
30 m x 320 µm x 1 µm
Unlocked
Back SS Inlet He
Front Detector FID
0 psi
100 °C
6.7158 psi
1.0062 mL/min
21.266 cm/sec
2.3512 min
Ramped Pressure

Front Detector FID
Makeup
Heater
Flow
Air Flow
Makeup Flow (Combined)
Carrier Gas Flow Correction
Flame

He
On 250 °C
On 40 mL/min
On 450 mL/min
On 45 mL/min
Column + Makeup = Constant
On

Signals
Signal #1: Front Signal
Description
Details
Save
Data Rate
Dual Injection Assignment

Front Signal
Front Signal (FID)
On
20 Hz
Front Sample

Signal #2: Front Signal
Description
Details
Save
Data Rate
Dual Injection Assignment

Front Signal
Front Signal (FID)
Off
20 Hz
Back Sample

Column 1 Inventory Number :
Column 2 Inventory Number :

TUNE PARAMETERS for SN: US10423616

Trace Ion Detection is OFF.

34.610	:	EMISSION	
70.347	:	ENERGY	
33.279	:	REPELLER	
90.157	:	IONFOCUS	
22.000	:	ENTRANCE LENS	
894.118	:	EMVOLTS	
		1023.529	: Actual EMV
		0.99	: GAIN FACTOR
1672.000	:	AMUGAIN	
120.500	:	AMUOFFSET	
2.000	:	FILAMENT	
0.000	:	DCPOLARITY	
19.075	:	ENTLENSOFFSET	
-820.000	:	MASSGAIN	
-32.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

Method Path : E:\methods\

Method File : GC100.M

Title :

st Update :

Response Via : Initial Calibration

Total Cpnds : 0

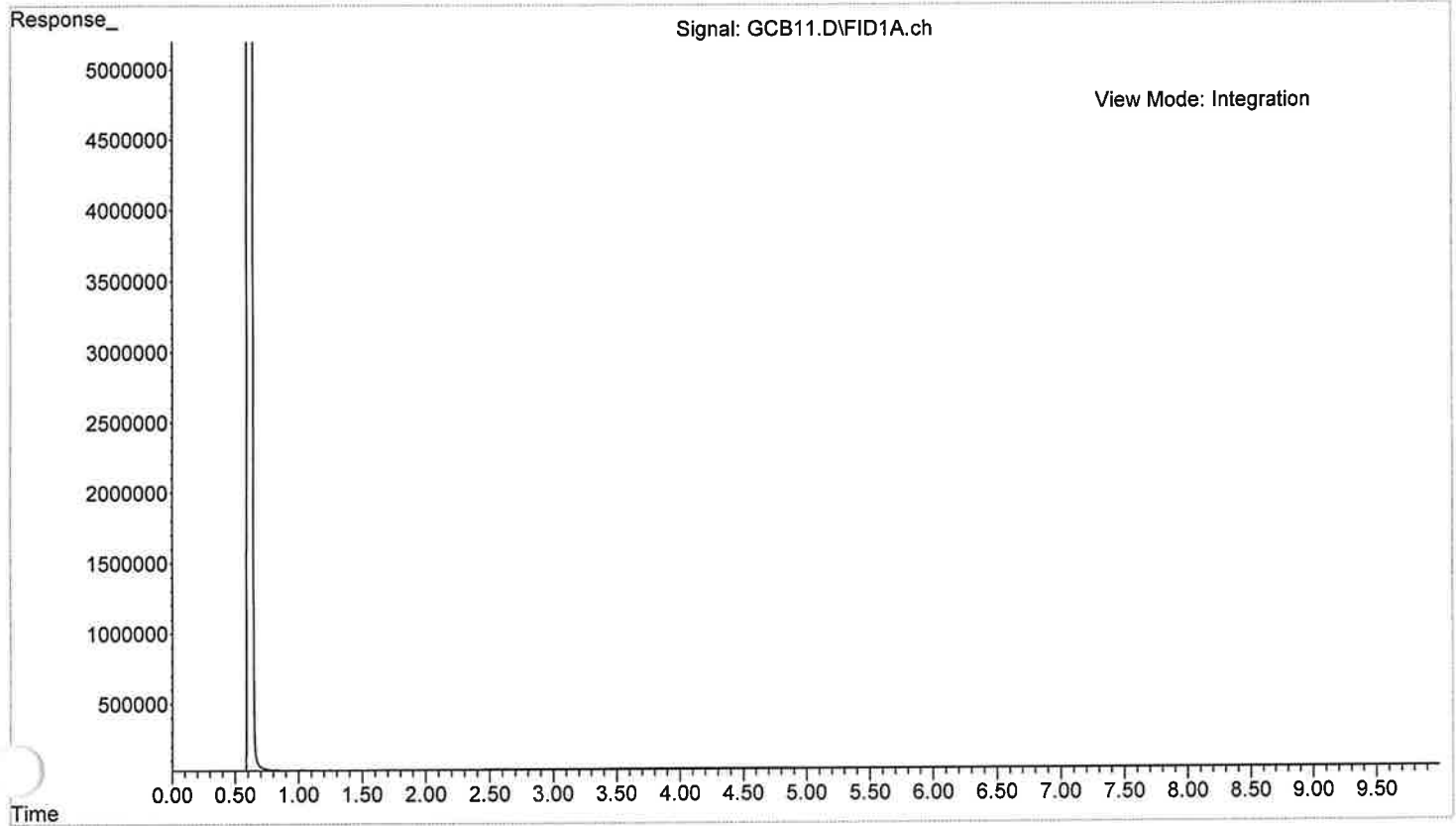
PK#	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
-----	---------------	--------	--------	-----	-----	----

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin

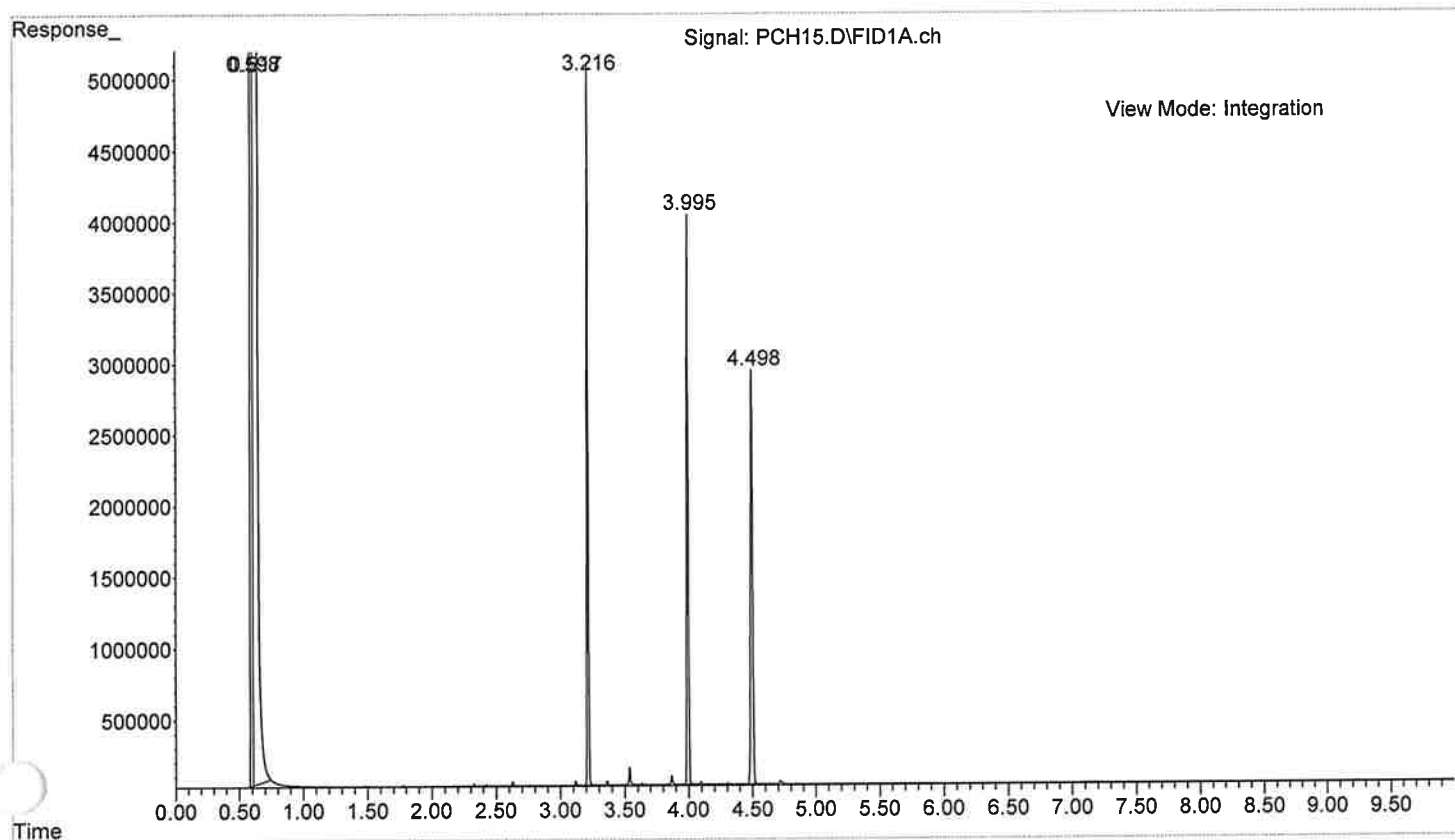
A/H = Area or Height

ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

File :X:\2023\GJG\GCB11.D
Operator :
Acquired : 13 Mar 2023 12:54 using AcqMethod GC100.M
Instrument : Donna2
Sample Name: MEOH B FOR CALIBRATION STANDARD wash51
Misc Info : 100-280
Vial Number: 0



File :X:\2023\GJG\PCH15.D
Operator :
Acquired : 13 Mar 2023 13:12 using AcqMethod GC100.M
Instrument : Donna2
Sample Name: CALIBRATION STANDARD -- 100-280 wash51
Mix Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 0



METHOD CONTROL PARAMETERS

Method Information for: E:\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:

GC/FID ramp 200-280c

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	E:\methods\GC200.M
Tune file	stune.u
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
Acquisition Type	Scan
Stop time (min)	10.00
Solvent delay (min)	3.00
Trace Ion Detection	False
Gain Factor	1
EM Saver	False
EM Saver Limit	N/A

Scan Time Segments

Time	Start Mass	End Mass	Threshold	Scan Speed
3.00	50	550	150	1,562 [N=2]

Timed Events

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

Real-Time Plots

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

Self-Cleaning Ion Source Parameters

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

E:\methods\GC200.M
Mon Mar 13 14:08:50 2023

Control Information

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

No Sample Prep method has been assigned to this method.

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

Oven
Temperature
Setpoint On
(Initial) 100 °C
Hold Time 1 min
Post Run 0 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 6.43 min

Equilibration Time 0.5 min
Max Temperature 305 °C
Maximum Temperature Override Disabled
Blow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Injection Repetitions 1
Injection Delay 0 sec
Solvent A Washes (PreInj) 5
Solvent A Washes (PostInj) 5
Solvent A Volume 8 µL
Solvent B Washes (PreInj) 0
Solvent B Washes (PostInj) 0
Solvent B Volume 8 µL
Sample Washes 2
Sample Wash Volume 8 µL
Sample Pumps 2
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 300 µL/min
Solvent Wash Dispense Speed 3000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 3000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Solvent Wash Mode A, B

Back Injector	
Syringe Size	10 µL
Injection Volume	1 µL
Injection Repetitions	1
Injection Delay	0 sec
Solvent A Washes (PreInj)	2
Solvent A Washes (PostInj)	0
Solvent A Volume	8 µL
Solvent B Washes (PreInj)	2
Solvent B Washes (PostInj)	0
Solvent B Volume	8 µL
Sample Washes	0
Sample Wash Volume	8 µL
Sample Pumps	6
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	3000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	3000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Solvent Wash Mode	A, B
ALS Errors	Pause for user interaction
Front SS Inlet He	
Mode	Split
Heater	On 250 °C
Pressure	On 15.94 psi
Gas Saver	Off
Split Ratio	50 :1
Split Flow	72.161 mL/min
Liner	A Liner has not been selected.
Back SS Inlet He	
Mode	Split
Heater	On 250 °C
Pressure	On 6.7158 psi
Gas Saver	Off
Split Ratio	50 :1
Split Flow	50.309 mL/min
Liner	A Liner has not been selected.
Thermal Aux 2 (MSD Transfer Line)	
Temperature	
Setpoint	On
(Initial)	280 °C
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	1.4432 mL/min
Post Run	0.969 mL/min
Column Information	J&W01
Temperature Range	-60 °C-305 °C (305 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm
Column lock	Unlocked
In	Front SS Inlet He

Out	MSD
Column Outlet Pressure	MSD
(Initial)	100 °C
Pressure	15.94 psi
Flow	1.4432 mL/min
Average Velocity	69.407 cm/sec
Holdup Time	0.30016 min
Control Mode	Constant Flow

Column #2	
Pressure	
Setpoint	On
(Initial)	6.7158 psi
Post Run	0 psi

Column Information	AB003
Temperature Range	-60 °C-305 °C (305 °C)
Dimensions	30 m x 320 µm x 1 µm
Column lock	Unlocked
In	Back SS Inlet He
Out	Front Detector FID
Column Outlet Pressure	0 psi
(Initial)	100 °C
Pressure	6.7158 psi
Flow	1.0062 mL/min
Average Velocity	21.266 cm/sec
Holdup Time	2.3512 min
Control Mode	Ramped Pressure

Front Detector FID	
Makeup	He
Heater	On 250 °C
H2 Flow	On 40 mL/min
Air Flow	On 450 mL/min
Makeup Flow (Combined)	On 45 mL/min
Carrier Gas Flow Correction	Column + Makeup = Constant
Flame	On

Signals	
Signal #1: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	On
Data Rate	20 Hz
Dual Injection Assignment	Front Sample

Signal #2: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	Off
Data Rate	20 Hz
Dual Injection Assignment	Back Sample

Column 1 Inventory Number :
Column 2 Inventory Number :

TUNE PARAMETERS for SN: US10423616

Trace Ion Detection is OFF.

34.610 : EMISSION
70.347 : ENERGY
29.914 : REPELLER
90.157 : IONFOCUS
28.500 : ENTRANCE LENS
1200.000 : EMVOLTS
1023.529 : Actual EMV
10.94 : GAIN FACTOR
1800.000 : AMUGAIN
120.000 : AMUOFFSET
1.000 : FILAMENT
0.000 : DCPOLARITY
13.553 : ENTLENSOFFSET
0.000 : MASSGAIN
0.000 : MASSOFFSET

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

Method Path : E:\methods\

Method File : GC200.M

Title :

st Update :

Response Via : Initial Calibration

Total Cpnds : 0

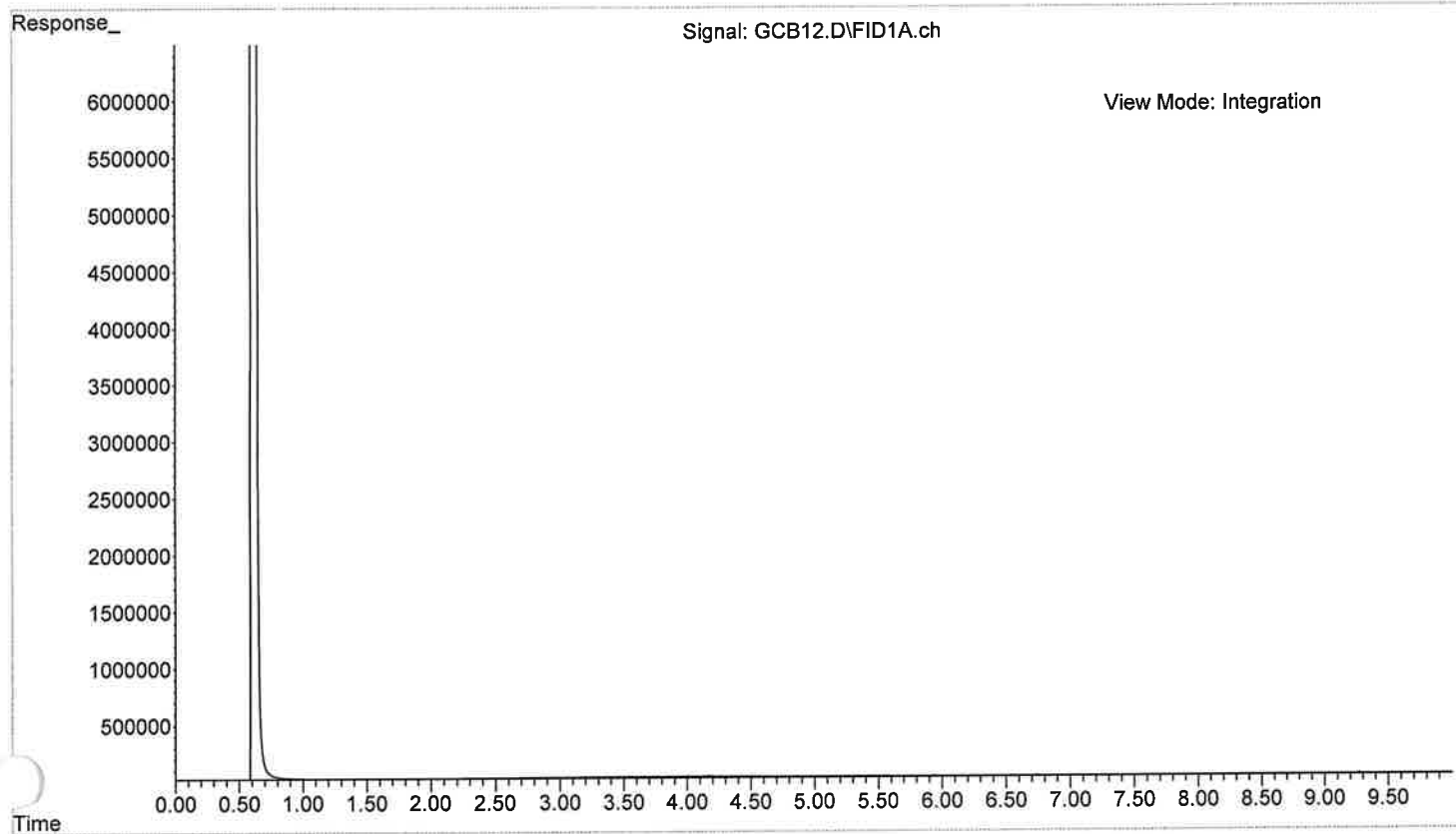
PK#	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
-----	---------------	--------	--------	-----	-----	----

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin

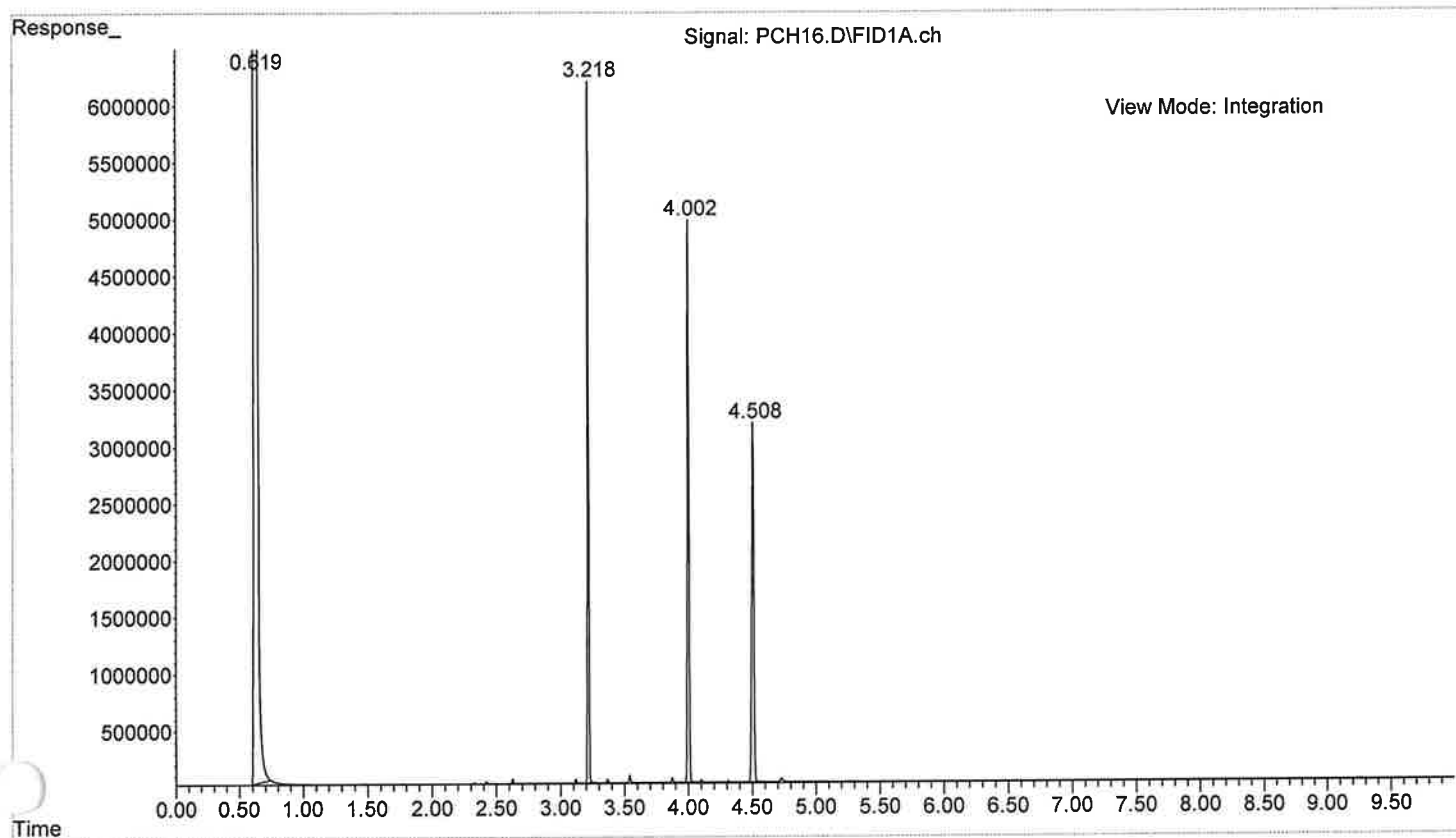
A/H = Area or Height

ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

File :X:\2023\GJG\GCB12.D
Operator :
Acquired : 13 Mar 2023 14:10 using AcqMethod GC200.M
Instrument : Donna2
Sample Name: MEOH B FOR CALIBRATION STANDARD wash51
Misc Info : 200-280
V: Number: 0



File :X:\2023\GJG\PCH16.D
Operator :
Acquired : 13 Mar 2023 14:26 using AcqMethod GC200.M
Instrument : Donna2
Sample Name: CALIBRATION STANDARD -- 200-280 wash51
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
V: Number: 0



METHOD CONTROL PARAMETERS

Method Information for: E:\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:

GC/FID ramp Isothermal 150c

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	E:\methods\GC150ISO.M
Tune file	stune.u
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
Acquisition Type	Scan
Stop time (min)	10.00
Solvent delay (min)	3.00
Trace Ion Detection	False
Gain Factor	1
EM Saver	False
EM Saver Limit	N/A

Scan Time Segments

Time	Start Mass	End Mass	Threshold	Scan Speed
3.00	50	550	150	1,562 [N=2]

Timed Events

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

Real-Time Plots

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

Self-Cleaning Ion Source Parameters

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

E:\methods\GC150ISO.M
Mon Mar 13 14:44:46 2023

Control Information

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

No Sample Prep method has been assigned to this method.

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

Oven
Temperature
Setpoint On
(Initial) 100 °C
Hold Time 1 min
Post Run 0 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 6.43 min

Equilibration Time 0.5 min
Max Temperature 305 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Injection Repetitions 1
Injection Delay 0 sec
Solvent A Washes (PreInj) 5
Solvent A Washes (PostInj) 5
Solvent A Volume 8 µL
Solvent B Washes (PreInj) 0
Solvent B Washes (PostInj) 0
Solvent B Volume 8 µL
Sample Washes 2
Sample Wash Volume 8 µL
Sample Pumps 2
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 300 µL/min
Solvent Wash Dispense Speed 3000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 3000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Solvent Wash Mode A, B

Back Injector	
Syringe Size	10 µL
Injection Volume	1 µL
Injection Repetitions	1
Injection Delay	0 sec
Solvent A Washes (PreInj)	2
Solvent A Washes (PostInj)	0
Solvent A Volume	8 µL
Solvent B Washes (PreInj)	2
Solvent B Washes (PostInj)	0
Solvent B Volume	8 µL
Sample Washes	0
Sample Wash Volume	8 µL
Sample Pumps	6
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	3000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	3000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Solvent Wash Mode	A, B
ALS Errors	Pause for user interaction
Front SS Inlet He	
Mode	Split
Heater	On 250 °C
Pressure	On 13.197 psi
Gas Saver	Off
Split Ratio	50 :1
Split Flow	59.815 mL/min
Liner	A Liner has not been selected.
Back SS Inlet He	
Mode	Split
Heater	On 250 °C
Pressure	On 6.7158 psi
Gas Saver	Off
Split Ratio	50 :1
Split Flow	50.309 mL/min
Liner	A Liner has not been selected.
Thermal Aux 2 (MSD Transfer Line)	
Temperature	
Setpoint	On
(Initial)	280 °C
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	1.1963 mL/min
Post Run	0.969 mL/min
Column Information	J&W01
Temperature Range	-60 °C-305 °C (305 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm
Column lock	Unlocked
In	Front SS Inlet He

Out	MSD
Column Outlet Pressure	MSD
(Initial)	100 °C
Pressure	13.197 psi
Flow	1.1963 mL/min
Average Velocity	63.191 cm/sec
Holdup Time	0.32969 min
Control Mode	Constant Flow
Column #2	
Pressure	
Setpoint	On
(Initial)	6.7158 psi
Post Run	0 psi
Column Information	AB003
Temperature Range	-60 °C-305 °C (305 °C)
Dimensions	30 m x 320 µm x 1 µm
Column lock	Unlocked
In	Back SS Inlet He
Out	Front Detector FID
Column Outlet Pressure	0 psi
(Initial)	100 °C
Pressure	6.7158 psi
Flow	1.0062 mL/min
Average Velocity	21.266 cm/sec
Holdup Time	2.3512 min
Control Mode	Ramped Pressure
Front Detector FID	
Makeup	He
Heater	On 250 °C
H2 Flow	On 40 mL/min
Air Flow	On 450 mL/min
Makeup Flow (Combined)	On 45 mL/min
Carrier Gas Flow Correction	Column + Makeup = Constant
Flame	On
Signals	
Signal #1: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	On
Data Rate	20 Hz
Dual Injection Assignment	Front Sample
Signal #2: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	Off
Data Rate	20 Hz
Dual Injection Assignment	Back Sample

Column 1 Inventory Number :
Column 2 Inventory Number :

TUNE PARAMETERS for SN: US10423616

Trace Ion Detection is OFF.

34.610 : EMISSION
70.347 : ENERGY
29.914 : REPELLER
90.157 : IONFOCUS
28.500 : ENTRANCE LENS
1200.000 : EMVOLTS
1023.529 : Actual EMV
10.94 : GAIN FACTOR
1800.000 : AMUGAIN
120.000 : AMUOFFSET
1.000 : FILAMENT
0.000 : DCPOLARITY
13.553 : ENTLENSOFFSET
0.000 : MASSGAIN
0.000 : MASSOFFSET

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

Method Path : E:\methods\

Method File : GC150ISO.M

Title :

st Update :

Response Via : Initial Calibration

Total Cpnds : 0

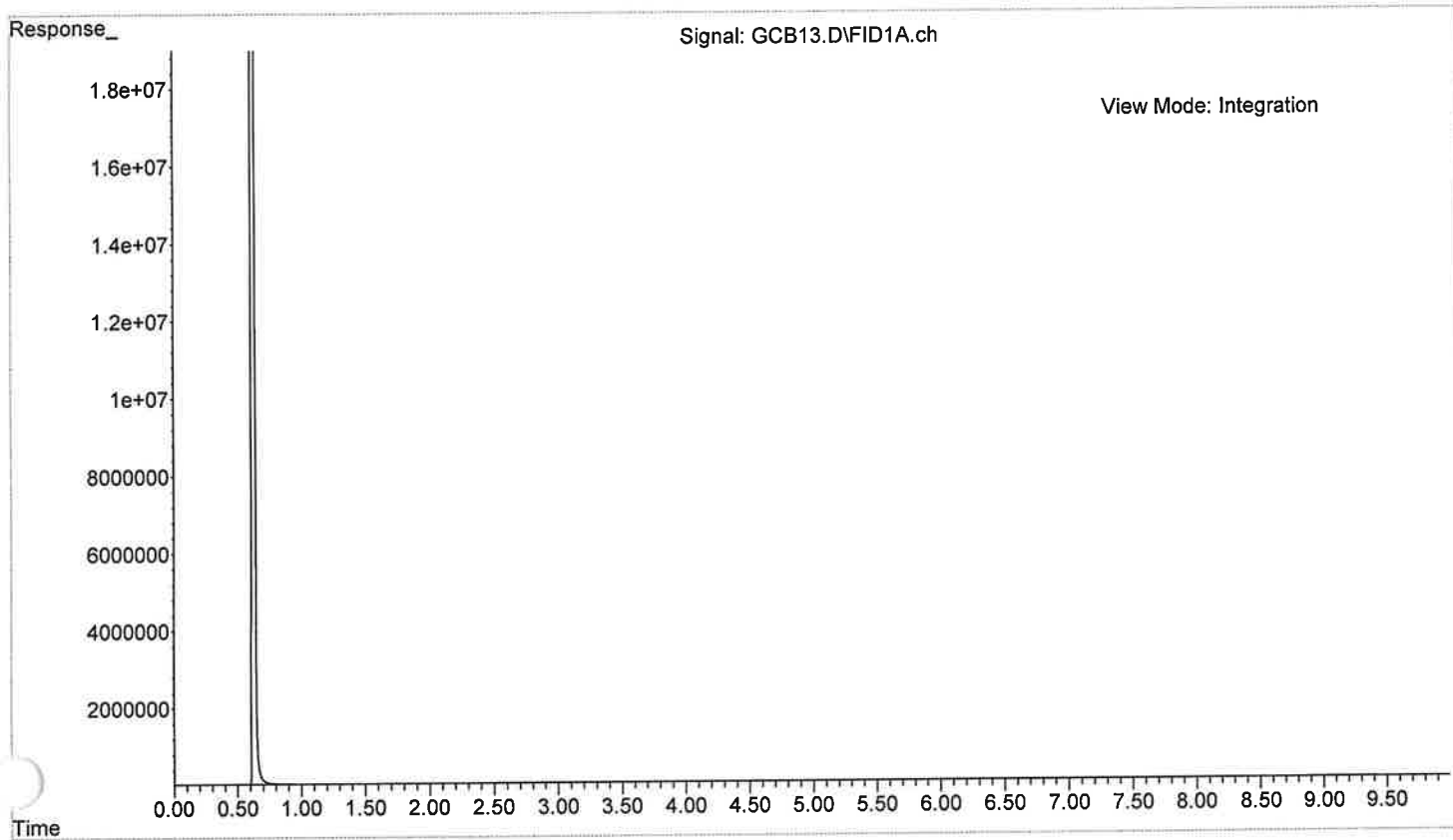
PK#	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
-----	---------------	--------	--------	-----	-----	----

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin

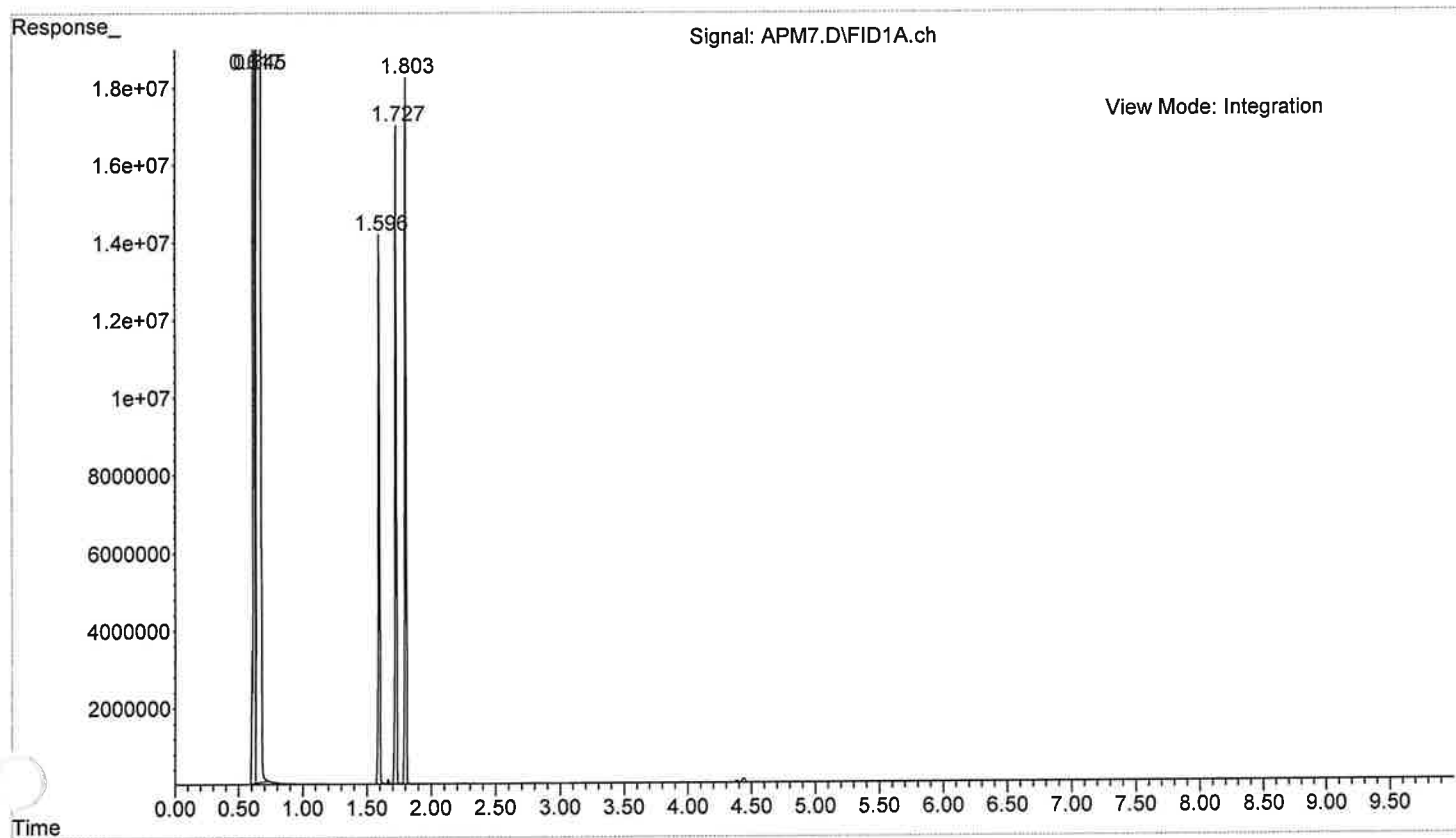
A/H = Area or Height

ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

File :X:\2023\GJG\GCB13.D
Operator :
Acquired : 13 Mar 2023 14:47 using AcqMethod GC150ISO.M
Instrument : Donna2
Sample Name: MEOH B FOR GC/IR TEST SOLUTION wash51
Mi Info : 150 ISOTHERMAL
V: Number: 0



File :X:\2023\GJG\APM7.D
Operator :
Acquired : 13 Mar 2023 15:01 using AcqMethod GC150ISO.M
Instrument : Donna2
Sample Name: GC/IR TEST SOLUTION -- 150 ISOTHERMAL wash51
Mi Info : AMPHETAMINE / PHENTERMINE / METHAMPHETAMINE
Vi Number: 0



METHOD CONTROL PARAMETERS

Method Information for: E:\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:

GC/FID ramp Isothermal 280c

END OF METHOD CONTROL PARAMETERS

E:\methods\GC280ISO.M
Mon Mar 13 16:14:25 2023

Control Information

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

No Sample Prep method has been assigned to this method.

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

Oven
Temperature
Setpoint On
(Initial) 280 °C
Hold Time 1 min
Post Run 0 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 9 min

Equilibration Time 0.5 min
Max Temperature 305 °C
Maximum Temperature Override Disabled
Flow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Injection Repetitions 1
Injection Delay 0 sec
Solvent A Washes (PreInj) 5
Solvent A Washes (PostInj) 5
Solvent A Volume 8 µL
Solvent B Washes (PreInj) 0
Solvent B Washes (PostInj) 0
Solvent B Volume 8 µL
Sample Washes 2
Sample Wash Volume 8 µL
Sample Pumps 2
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 300 µL/min
Solvent Wash Dispense Speed 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
Solvent Wash Mode A, B

Back Injector	
Syringe Size	10 µL
Injection Volume	1 µL
Injection Repetitions	1
Injection Delay	0 sec
Solvent A Washes (PreInj)	2
Solvent A Washes (PostInj)	0
Solvent A Volume	8 µL
Solvent B Washes (PreInj)	2
Solvent B Washes (PostInj)	0
Solvent B Volume	8 µL
Sample Washes	0
Sample Wash Volume	8 µL
Sample Pumps	6
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Solvent Wash Mode	A, B
ALS Errors	Pause for user interaction
Front SS Inlet He	
Mode	Split
Heater	On 250 °C
Pressure	On 33.926 psi
Gas Saver	Off
Split Ratio	50 :1
Split Flow	93.816 mL/min
Liner	A Liner has not been selected.
Back SS Inlet He	
Mode	Split
Heater	On 250 °C
Pressure	On 6.7158 psi
Gas Saver	Off
Split Ratio	50 :1
Split Flow	25.968 mL/min
Liner	A Liner has not been selected.
Thermal Aux 2 (MSD Transfer Line)	
Temperature	
Setpoint	On
(Initial)	280 °C
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	1.8763 mL/min
Post Run	0.969 mL/min
Column Information	J&W01
Temperature Range	-60 °C-305 °C (305 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm
Column lock	Unlocked
In	Front SS Inlet He

Out	MSD
Column Outlet Pressure	MSD
(Initial)	280 °C
Pressure	33.926 psi
Flow	1.8763 mL/min
Average Velocity	84.284 cm/sec
Holdup Time	0.24718 min
Control Mode	Constant Flow

Column #2	
Pressure	
Setpoint	On
(Initial)	6.7158 psi
Post Run	0 psi

Column Information	AB003
Temperature Range	-60 °C-305 °C (305 °C)
Dimensions	30 m x 320 µm x 1 µm
Column lock	Unlocked
In	Back SS Inlet He
Out	Front Detector FID
Column Outlet Pressure	0 psi
(Initial)	280 °C
Pressure	6.7158 psi
Flow	0.51935 mL/min
Average Velocity	16.271 cm/sec
Holdup Time	3.0729 min
Control Mode	Ramped Pressure

Front Detector FID	
Makeup	He
Heater	On 250 °C
H2 Flow	On 40 mL/min
Air Flow	On 450 mL/min
Makeup Flow (Combined)	On 45 mL/min
Carrier Gas Flow Correction	Column + Makeup = Constant
Flame	On

Signals	
Signal #1: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	On
Data Rate	20 Hz
Dual Injection Assignment	Front Sample

Signal #2: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	Off
Data Rate	20 Hz
Dual Injection Assignment	Back Sample

Column 1 Inventory Number :
Column 2 Inventory Number :

TUNE PARAMETERS for SN: US10423616

Trace Ion Detection is OFF.

35.000 : EMISSION
70.000 : ENERGY
29.960 : REPELLER
90.200 : IONFOCUS
28.500 : ENTRANCE_LENS
1200.000 : EMVOLTS
1023.529 : Actual EMV
10.94 : GAIN FACTOR
1800.000 : AMUGAIN
120.000 : AMUOFFSET
1.000 : FILAMENT
0.000 : DCPOLARITY
13.550 : ENTLENSOFFSET
0.000 : MASSGAIN
0.000 : MASSOFFSET

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

Method Path : E:\methods\

Method File : GC280ISO.M

Title :

st Update :

Response Via : Initial Calibration

Total Cpnds : 0

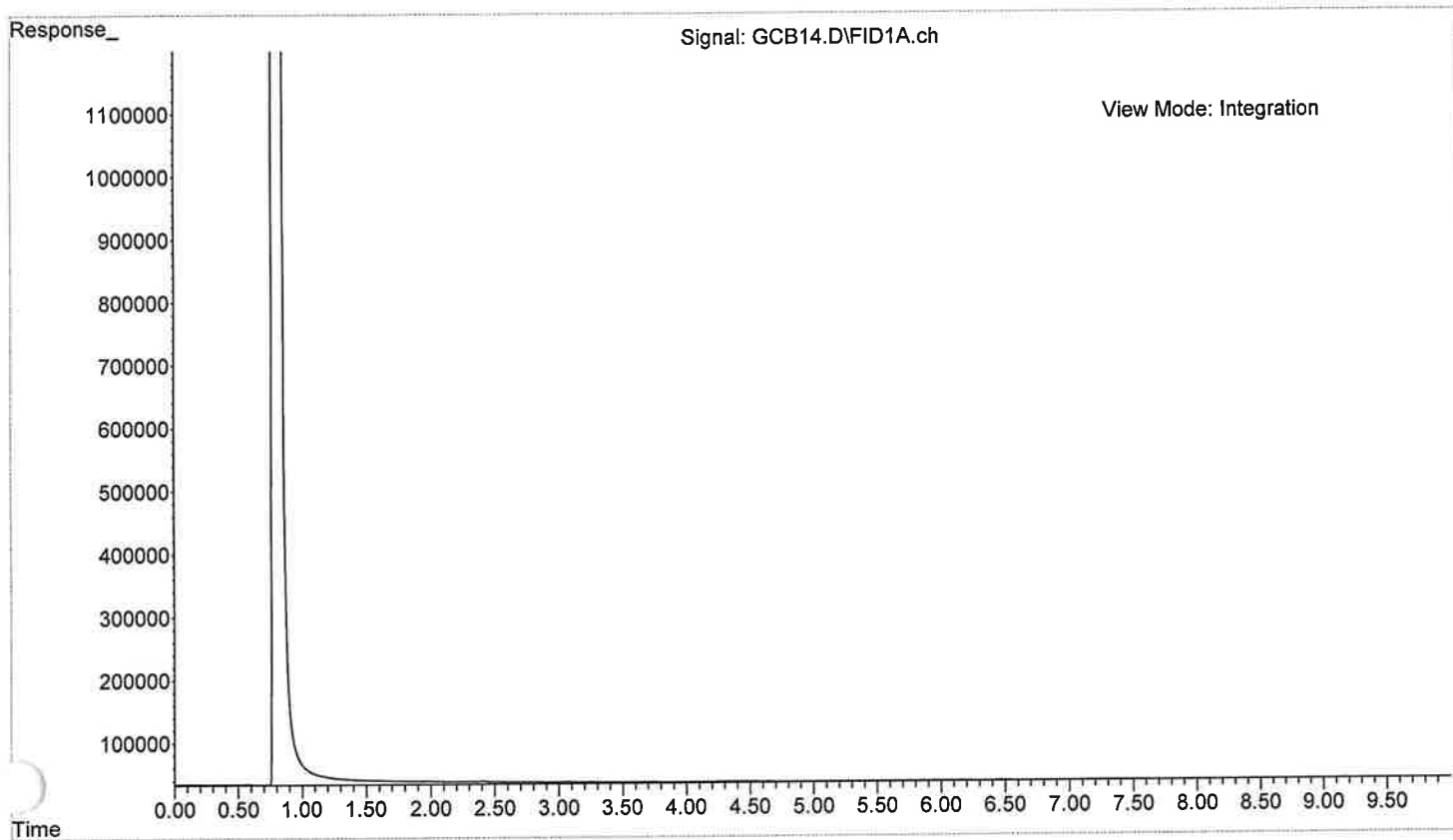
PK#	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
-----	---------------	--------	--------	-----	-----	----

Cal A = Average L = Linear LO = Linear w/origin Q = Quad Q0 = Quad w/origin

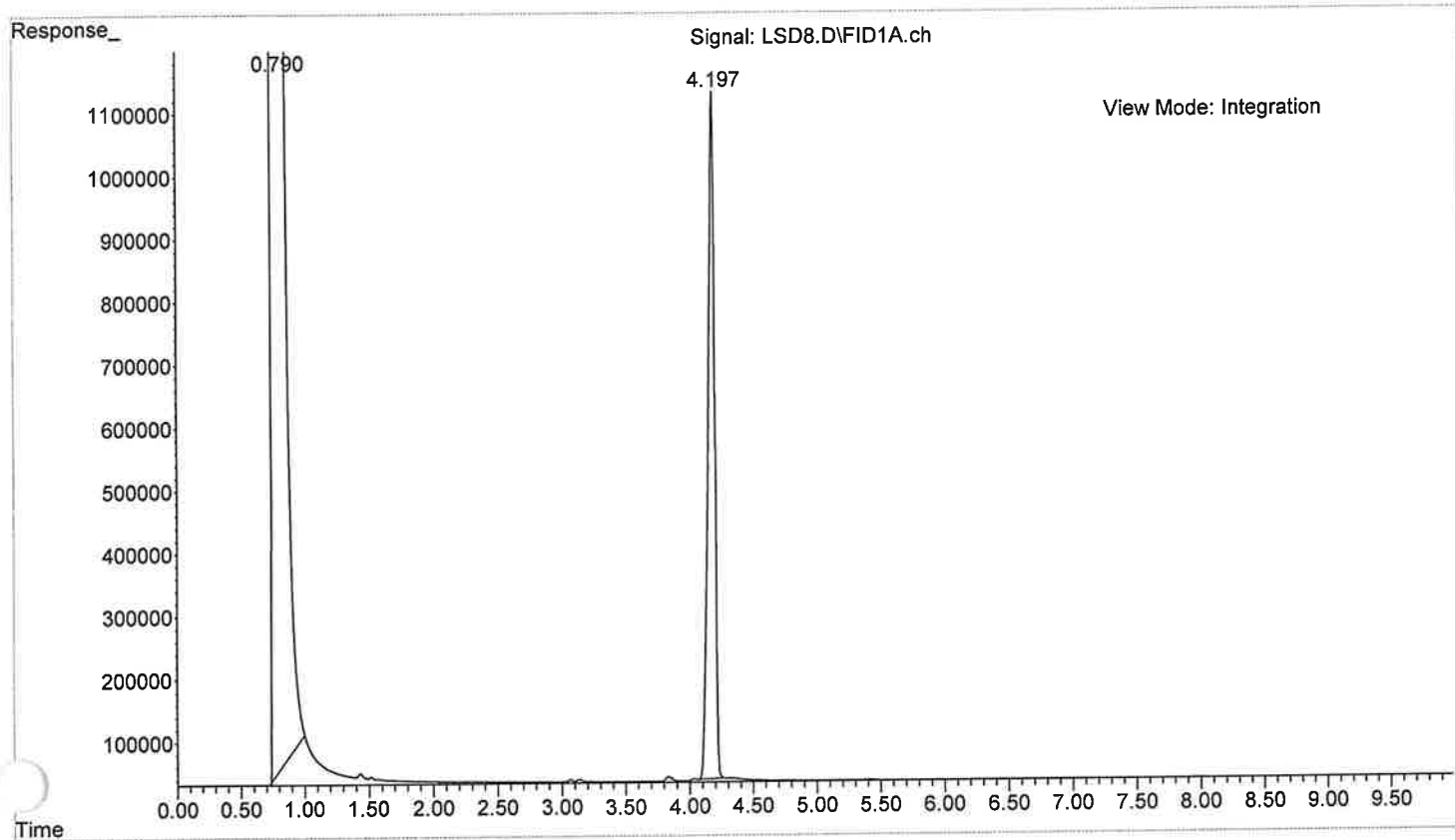
A/H = Area or Height

ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

File :X:\2023\GJG\GCB14.D
Operator :
Acquired : 13 Mar 2023 15:26 using AcqMethod GC280ISO.M
Instrument : Donna2
Sample Name: MEOH B FOR LSD STANDARD wash51
Misc Info : 280 ISOTHERMAL
View Number: 0



File :X:\2023\GJG\LSD8.D
Operator :
Acquired : 13 Mar 2023 15:57 using AcqMethod GC280ISO.M
Instrument : Donna2
Sample Name: LSD STANDARD -- 280 ISOTHERMAL wash51
Misc Info : Cerilliant Lot# FE10161901 Exp: October 2024
Vial Number: 0



METHOD CONTROL PARAMETERS

Method Information for: E:\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:

GC/FID ramp Isothermal 280c extended time

END OF METHOD CONTROL PARAMETERS

E:\methods\GC280ISOTI.M
Mon Mar 13 17:34:47 2023

Control Information

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

No Sample Prep method has been assigned to this method.

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

Oven
Temperature
Setpoint On
(Initial) 280 °C
Hold Time 1 min
Post Run 0 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 29 min

Equilibration Time 0.5 min
Max Temperature 305 °C
Maximum Temperature Override Disabled
Blow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Injection Repetitions 1
Injection Delay 0 sec
Solvent A Washes (PreInj) 5
Solvent A Washes (PostInj) 5
Solvent A Volume 8 µL
Solvent B Washes (PreInj) 0
Solvent B Washes (PostInj) 0
Solvent B Volume 8 µL
Sample Washes 2
Sample Wash Volume 8 µL
Sample Pumps 2
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 300 µL/min
Solvent Wash Dispense Speed 3000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 3000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Solvent Wash Mode A, B

Back Injector	
Syringe Size	10 µL
Injection Volume	1 µL
Injection Repetitions	1
Injection Delay	0 sec
Solvent A Washes (PreInj)	2
Solvent A Washes (PostInj)	0
Solvent A Volume	8 µL
Solvent B Washes (PreInj)	2
Solvent B Washes (PostInj)	0
Solvent B Volume	8 µL
Sample Washes	0
Sample Wash Volume	8 µL
Sample Pumps	6
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	3000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	3000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Solvent Wash Mode	A, B
ALS Errors	Pause for user interaction
Front SS Inlet He	
Mode	Split
Heater	On 250 °C
Pressure	On 8 psi
Gas Saver	Off
Split Ratio	50 :1
Split Flow	20.441 mL/min
Liner	A Liner has not been selected.
Back SS Inlet He	
Mode	Split
Heater	On 250 °C
Pressure	On 15 psi
Gas Saver	Off
Split Ratio	50 :1
Split Flow	71.307 mL/min
Liner	A Liner has not been selected.
Thermal Aux 2 (MSD Transfer Line)	
Temperature	
Setpoint	On
(Initial)	280 °C
Column	
Column #1	
Pressure	
Setpoint	On
(Initial)	8 psi
Post Run	4.6206 psi
Column Information	J&W01
Temperature Range	-60 °C-305 °C (305 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm
Column lock	Unlocked
In	Front SS Inlet He

Out	MSD
Column Outlet Pressure	MSD
(Initial)	280 °C
Pressure	8 psi
Flow	0.40883 mL/min
Average Velocity	39.342 cm/sec
Holdup Time	0.52954 min
Control Mode	Constant Pressure

Column #2	
Pressure	
Setpoint	On
(Initial)	15 psi
Post Run	0 psi

Column Information	AB003
Temperature Range	-60 °C-305 °C (305 °C)
Dimensions	30 m x 320 µm x 1 µm
Column lock	Unlocked
In	Back SS Inlet He
Out	Front Detector FID
Column Outlet Pressure	0 psi
(Initial)	280 °C
Pressure	15 psi
Flow	1.4261 mL/min
Average Velocity	35.414 cm/sec
Holdup Time	1.4119 min
Control Mode	Constant Pressure

Front Detector FID	
Makeup	He
Heater	On 250 °C
H2 Flow	On 40 mL/min
Air Flow	On 450 mL/min
Makeup Flow (Combined)	On 45 mL/min
Carrier Gas Flow Correction	Column + Makeup = Constant
Flame	On

Signals	
Signal #1: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	On
Data Rate	20 Hz
Dual Injection Assignment	Front Sample

Signal #2: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	Off
Data Rate	20 Hz
Dual Injection Assignment	Back Sample

Column 1 Inventory Number :
Column 2 Inventory Number :

TUNE PARAMETERS for SN: US10423616

Trace Ion Detection is OFF.

34.610 : EMISSION
70.347 : ENERGY
29.914 : REPELLER
90.157 : IONFOCUS
28.500 : ENTRANCE_LENS
1200.000 : EMVOLTS

1023.529 : Actual EMV
10.94 : GAIN FACTOR

1800.000 : AMUGAIN
120.000 : AMUOFFSET
1.000 : FILAMENT
0.000 : DCPOLARITY
13.553 : ENTLENSOFFSET
0.000 : MASSGAIN
0.000 : MASSOFFSET

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

Method Path : E:\methods\
Method File : GC280ISOTI.M
Title :
1st Update :
Response Via : Initial Calibration

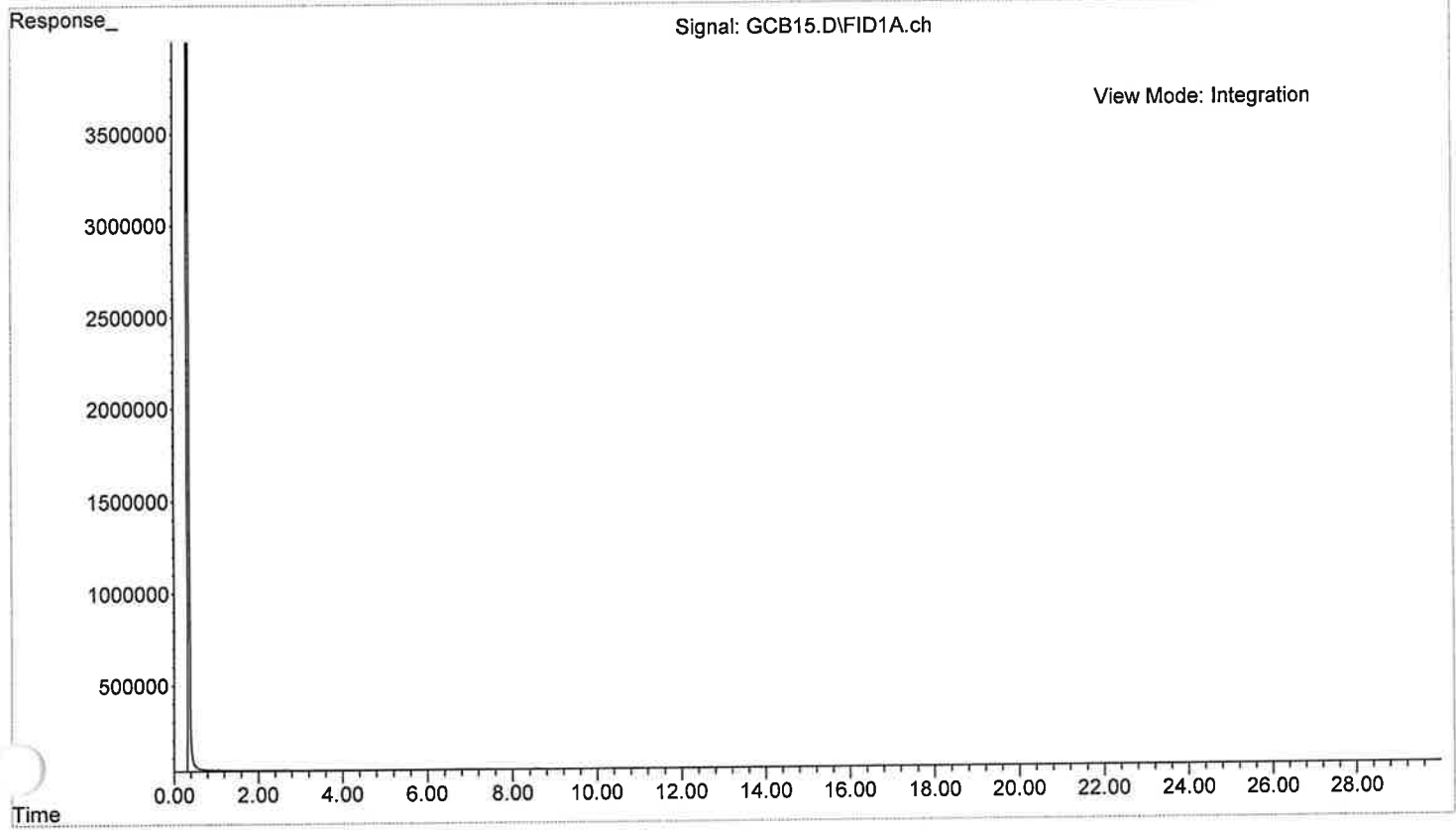
Total Cpnds : 0

PK#	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
-----	---------------	--------	--------	-----	-----	----

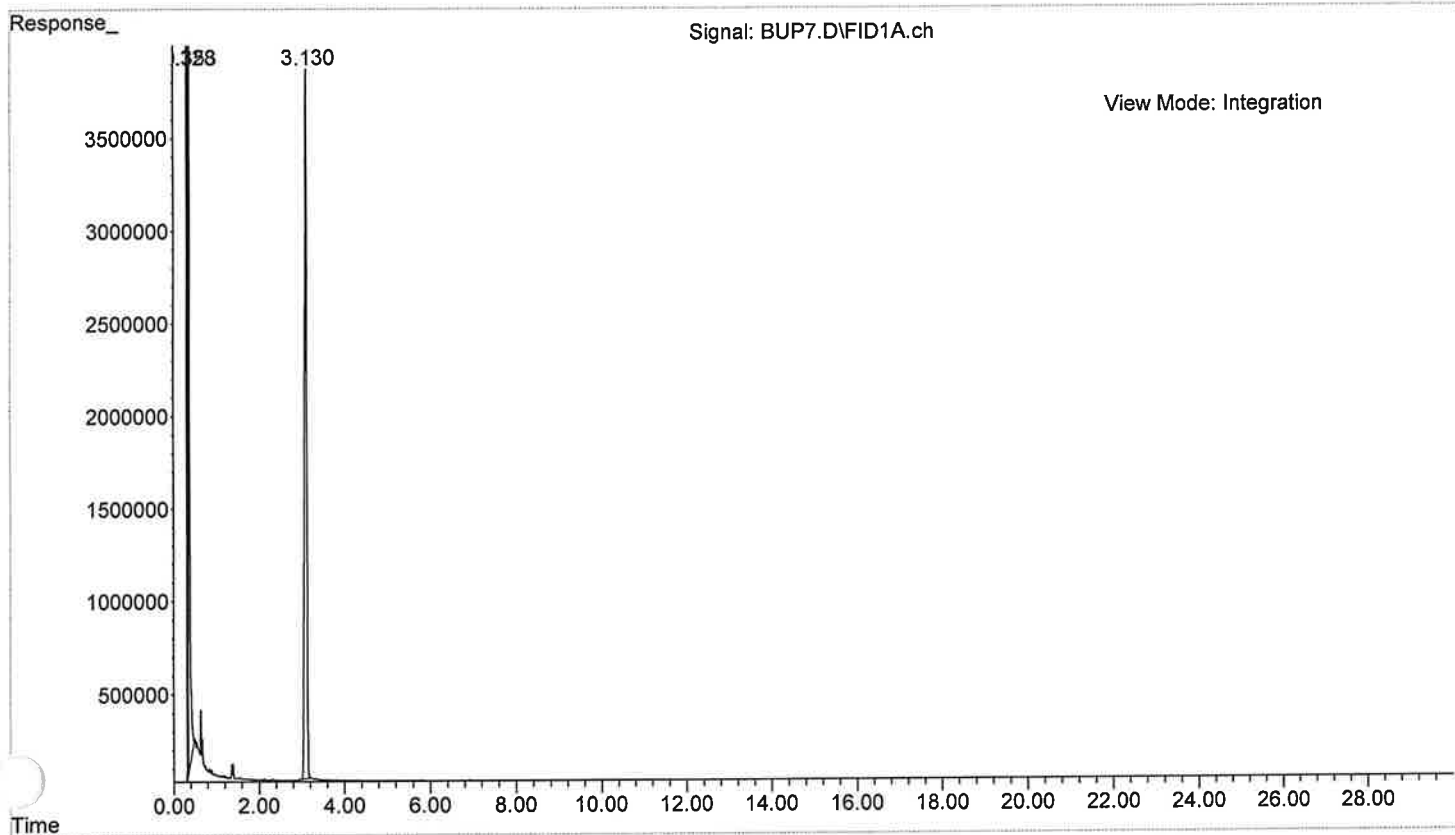
Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
A/H = Area or Height

ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

File :X:\2023\GJG\GCB15.D
Operator :
Acquired : 13 Mar 2023 16:24 using AcqMethod GC280ISOTI.M
Instrument : Donna2
Sample Name: MEOH B FOR BUPRENORPHINE STANDARD wash51
Mix Info : 280 ISOTHERMAL
Vial Number: 0



File :X:\2023\GJG\BUP7.D
Operator :
Acquired : 13 Mar 2023 16:59 using AcqMethod GC280ISOTI.M
Instrument : Donna2
Sample Name: BUPRENORPHINE STANDARD -- 280 ISOTHERMAL wash51
Misc Info : Cerilliant Lot# FE03191903 Exp: June 2024
View Number: 0



METHOD CONTROL PARAMETERS

Method Information for: E:\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:

Auto sample GC/FID ramp 100-280c

END OF METHOD CONTROL PARAMETERS

E:\methods\ASGC100.M
Mon Mar 13 18:01:54 2023

Control Information

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

No Sample Prep method has been assigned to this method.

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

Oven
Temperature
Setpoint On
(Initial) 100 °C
Hold Time 1 min
Post Run 0 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 6.43 min

Equilibration Time 0.5 min
Ox Temperature 305 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Injection Repetitions 1
Injection Delay 0 sec
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

Solvent Wash Mode

A, B

Back Injector
Syringe Size 10 µL
Injection Volume 1 µL
Injection Repetitions 1
Injection Delay 0 sec
Solvent A Washes (PreInj) 1
Solvent A Washes (PostInj) 2
Solvent A Volume 8 µL
Solvent B Washes (PreInj) 1
Solvent B Washes (PostInj) 2
Solvent B Volume 8 µL
Sample Washes 1
Sample Wash Volume 8 µL
Sample Pumps 2
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 300 µL/min
Solvent Wash Dispense Speed 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
Solvent Wash Mode A, B

ALS Errors

Pause for user interaction

Front SS Inlet He
Mode
Heater
Pressure
Gas Saver
Split Ratio
Split Flow
Liner

Split
On 250 °C
On 14.365 psi
Off
50 :1
48.35 mL/min
A Liner has not been selected.

Back SS Inlet He
Mode
Heater
Pressure
Gas Saver
Split Ratio
Split Flow
Liner

Split
On 250 °C
On 6.7158 psi
Off
50 :1
50.309 mL/min
A Liner has not been selected.

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

On
280 °C
0 min

Column
Column #1
Flow
Setpoint
(Initial)
Hold Time
Post Run

On
0.967 mL/min
0 min
0.969 mL/min

Column Information
Temperature Range

J&W01
-60 °C-305 °C (305 °C)

Dimensions
Column lock
In
Out
Column Outlet Pressure
(Initial)
Pressure
Flow
Average Velocity
Holdup Time
Control Mode

12.5 m x 200 μ m x 0.33 μ m
Unlocked
Front SS Inlet He
MSD
MSD
100 °C
10.382 psi
0.967 mL/min
56.813 cm/sec
0.3667 min
Constant Flow

Column #2
Pressure
Setpoint
(Initial)
Hold Time
Post Run

On
6.7158 psi
0 min
0 psi

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

Agilent HP-1
-60 °C-305 °C (305 °C)
30 m x 320 μ m x 1 μ m
Unlocked
Back SS Inlet He
Front Detector FID
0 psi
100 °C
6.7158 psi
1.0062 mL/min
21.266 cm/sec
2.3512 min
Ramped Pressure

Front Detector FID

Makeup
Water
N2 Flow
Air Flow
Makeup Flow (Combined)
Carrier Gas Flow Correction
Flame

He
On 250 °C
On 40 mL/min
On 450 mL/min
On 45 mL/min
Column + Makeup = Constant
On

Signals

Signal #1: Front Signal
Description
Details
Save
Data Rate
Dual Injection Assignment

Front Signal
Front Signal (FID)
On
20 Hz
Front Sample

Signal #2: Front Signal

Description
Details
Save
Data Rate
Dual Injection Assignment

Front Signal
Front Signal (FID)
Off
20 Hz
Back Sample

Column 1 Inventory Number :
Column 2 Inventory Number :

TUNE PARAMETERS for SN: US10423616

Trace Ion Detection is OFF.

35.000	:	EMISSION	
70.000	:	ENERGY	
29.960	:	REPELLER	
90.200	:	IONFOCUS	
28.500	:	ENTRANCE_LENS	
1200.000	:	EMVOLTS	
		1023.529	: Actual EMV
		10.94	: GAIN FACTOR
1800.000	:	AMUGAIN	
120.000	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
13.550	:	ENTLENDOFFSET	
0.000	:	MASSGAIN	
0.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

Method Path : E:\methods\
Method File : ASGC100.M
Title :
1st Update :
Response Via : Initial Calibration

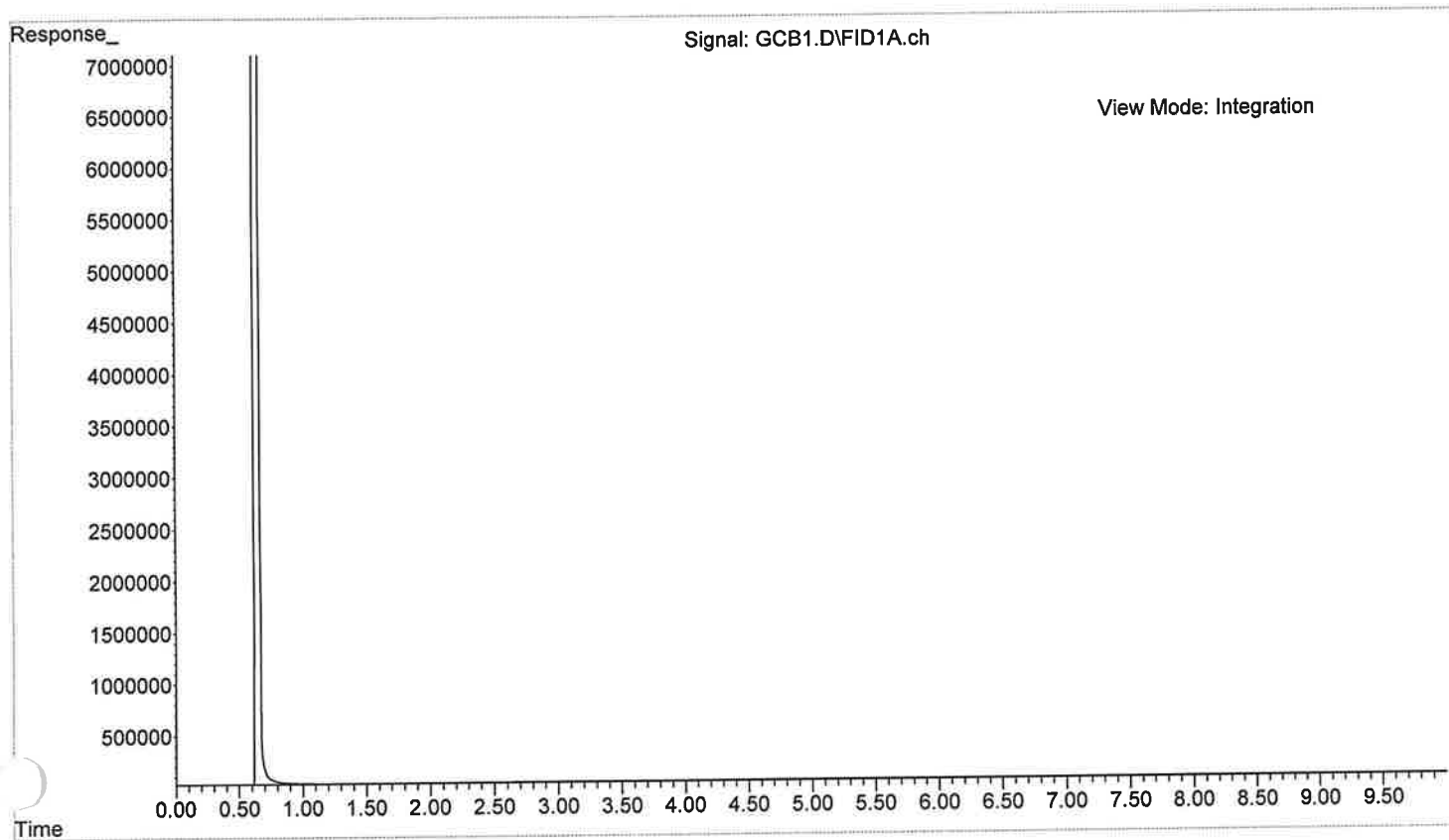
Total Cpnds : 0

PK#	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
-----	---------------	--------	--------	-----	-----	----

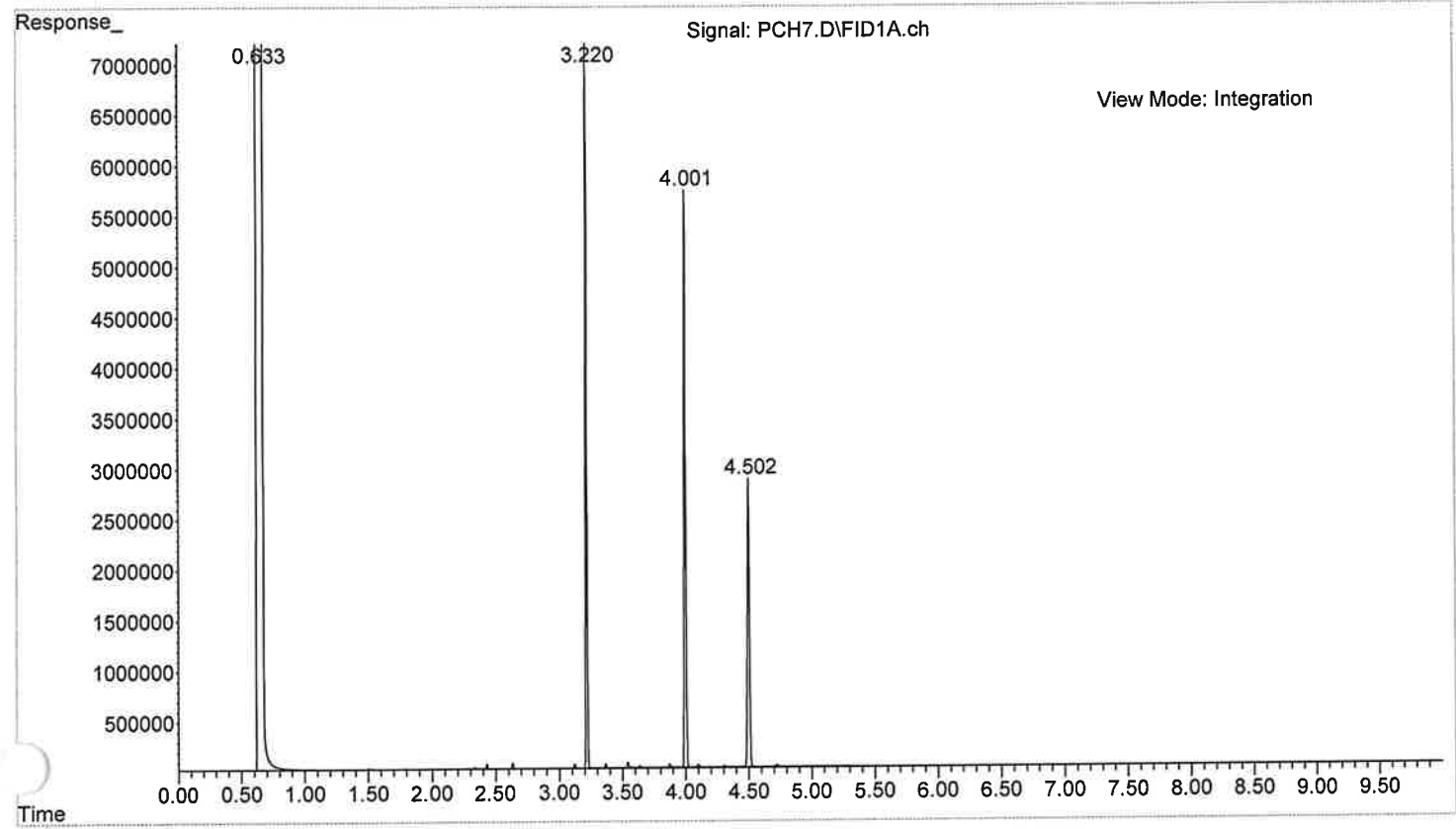
Cal A = Average L = Linear LO = Linear w/origin Q = Quad Q0 = Quad w/origin
A/H = Area or Height

ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

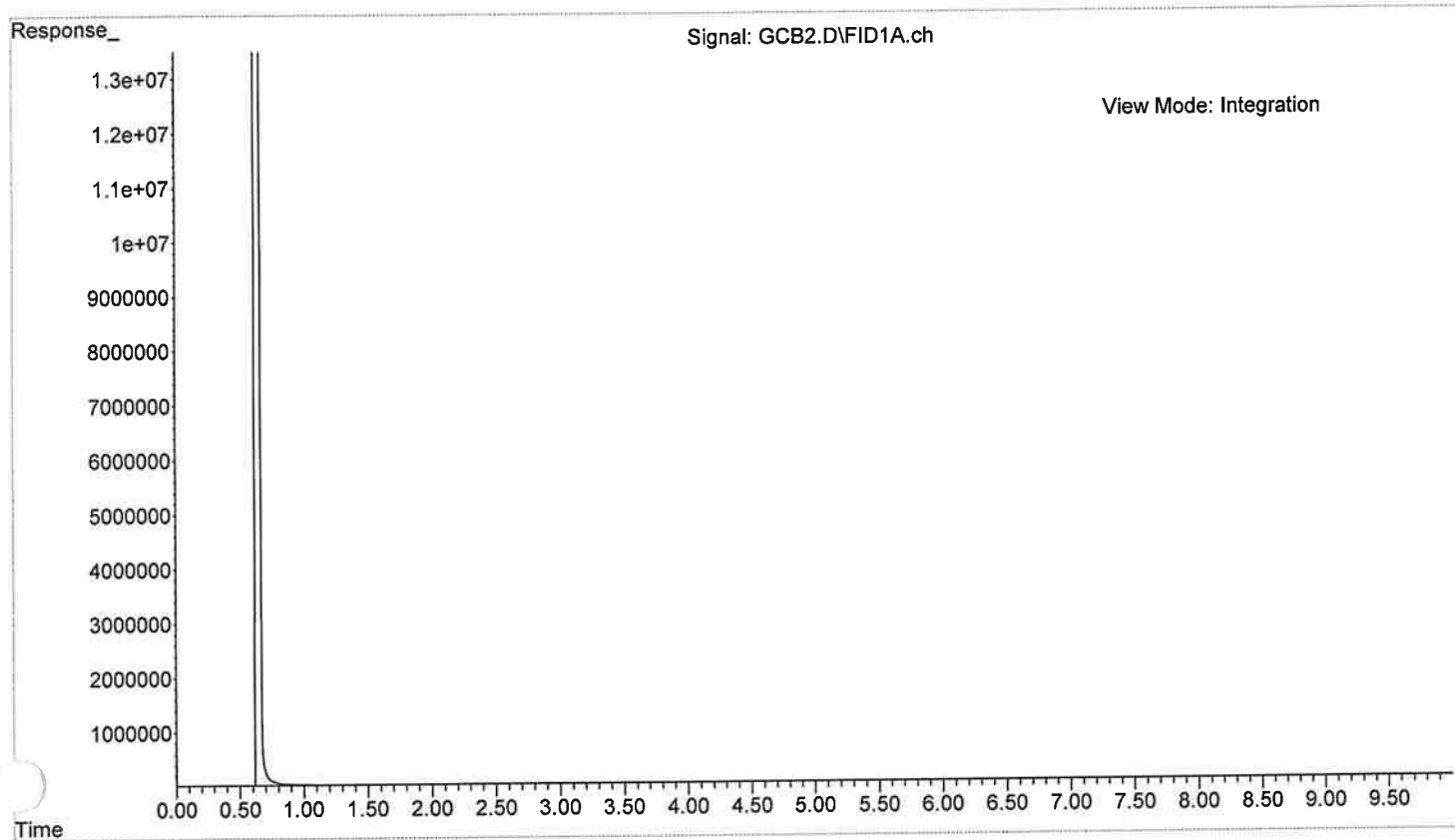
File :X:\2023\GJG\2-13-23\MV213\GCB1.D
Operator :
Acquired : 15 Feb 2023 18:05 using AcqMethod ASGC100.M
Instrument : Donna2
Sample Name: MEOH B FOR CALIBRATION STANDARD
Mix Info : 100-280
Vial Number: 2



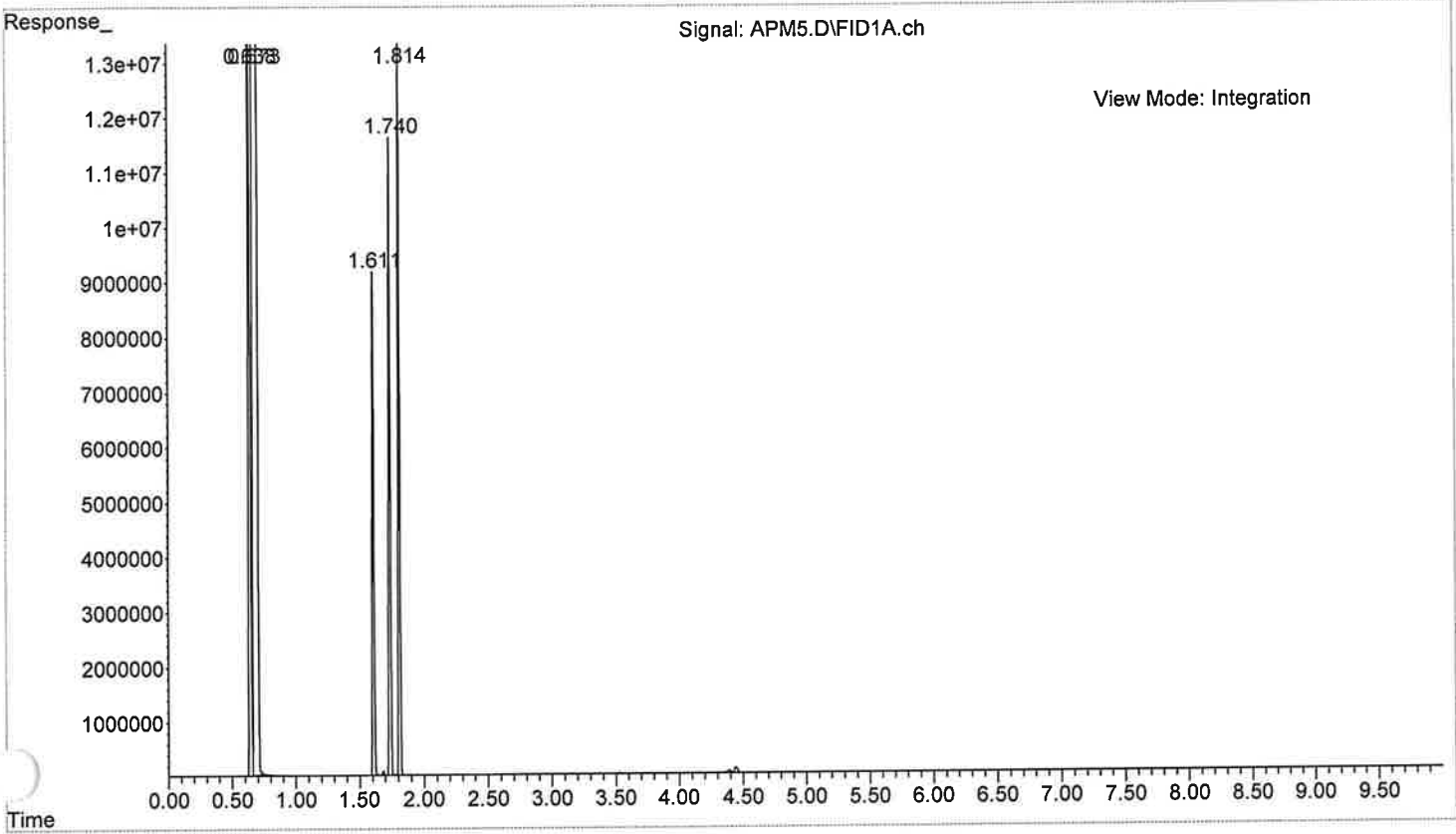
File :X:\2023\GJG\2-13-23\MV213\PCH7.D
Operator :
Acquired : 15 Feb 2023 18:19 using AcqMethod ASGC100.M
Instrument : Donna2
Sample Name: CALIBRATION STANDARD -- 100-280
Mi Info : PETHIDINE / COCAINE / HYDROCODONE
Vi Number: 3



File :X:\2023\GJG\2-13-23\MV213\GCB2.D
Operator :
Acquired : 15 Feb 2023 18:46 using AcqMethod ASGC100.M
Instrument : Donna2
Sample Name: ME0H B FOR GC/IR TEST SOLUTION
Misc Info : 100-280
Vial Number: 2



File :X:\2023\GJG\2-13-23\MV213\APM5.D
Operator :
Acquired : 15 Feb 2023 19:00 using AcqMethod ASGC100.M
Instrument : Donna2
Sample Name: GC/IR TEST SOLUTION -- 100-280
Misc Info : AMPHETAMINE / PHENTERMINE / METHAMPHETAMINE
Vial Number: 4



METHOD CONTROL PARAMETERS

Method Information for: E:\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:

Auto sample GC/FID ramp 200-280c

END OF METHOD CONTROL PARAMETERS

E:\methods\ASGC200.M
Mon Mar 13 18:03:23 2023

Control Information

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

No Sample Prep method has been assigned to this method.

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

Oven
Temperature
Setpoint On
(Initial) 200 °C
Hold Time 1 min
Post Run 0 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 7.86 min

Equilibration Time 0.5 min
Max Temperature 305 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Injection Repetitions 1
Injection Delay 0 sec
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

Solvent Wash Mode

A, B

Back Injector
Syringe Size 10 µL
Injection Volume 1 µL
Injection Repetitions 1
Injection Delay 0 sec
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 2
Solvent A Volume 8 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 2
Solvent B Volume 8 µL
Sample Washes 1
Sample Wash Volume 8 µL
Sample Pumps 2
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 300 µL/min
Solvent Wash Dispense Speed 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
Solvent Wash Mode A, B

ALS Errors

Pause for user interaction

Front SS Inlet He
Mode

Heater On 250 °C
Pressure On 29.272 psi
Gas Saver Off
Split Ratio 50 :1
Split Flow 88.65 mL/min
Liner A Liner has not been selected.

Back SS Inlet He
Mode

Heater On 250 °C
Pressure On 6.7158 psi
Gas Saver Off
Split Ratio 50 :1
Split Flow 33.761 mL/min
Liner A Liner has not been selected.

Thermal Aux 2 (MSD Transfer Line)

Temperature
Setpoint On
(Initial) 280 °C
Hold Time 0 min

Column

Column #1
Flow
Setpoint On
(Initial) 1.773 mL/min
Hold Time 0 min
Post Run 0.969 mL/min

Column Information
Temperature Range

J&W01
-60 °C-305 °C (305 °C)

Dimensions	12.5 m x 200 µm x 0.33 µm
Column lock	Unlocked
In	Front SS Inlet He
Out	MSD
Column Outlet Pressure	MSD
(Initial)	200 °C
Pressure	26.756 psi
Flow	1.773 mL/min
Average Velocity	79.908 cm/sec
Holdup Time	0.26072 min
Control Mode	Constant Flow

Column #2	
Pressure	
Setpoint	On
(Initial)	6.7158 psi
Hold Time	0 min
Post Run	0 psi

Column Information	Agilent HP-1
Temperature Range	-60 °C-305 °C (305 °C)
Dimensions	30 m x 320 µm x 1 µm
Column lock	Unlocked
In	Back SS Inlet He
Out	Front Detector FID
Column Outlet Pressure	0 psi
(Initial)	200 °C
Pressure	6.7158 psi
Flow	0.67521 mL/min
Average Velocity	18.095 cm/sec
Holdup Time	2.7632 min
Control Mode	Ramped Pressure

Front Detector FID	
Makeup	He
Water	On 250 °C
H2 Flow	On 40 mL/min
Air Flow	On 450 mL/min
Makeup Flow (Combined)	On 45 mL/min
Carrier Gas Flow Correction	Column + Makeup = Constant
Flame	On

Signals	
Signal #1: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	On
Data Rate	20 Hz
Dual Injection Assignment	Front Sample

Signal #2: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	Off
Data Rate	20 Hz
Dual Injection Assignment	Back Sample

Column 1 Inventory Number :
Column 2 Inventory Number :

TUNE PARAMETERS for SN: US10423616

Trace Ion Detection is OFF.

35.000	:	EMISSION	
70.000	:	ENERGY	
29.960	:	REPELLER	
90.200	:	IONFOCUS	
28.500	:	ENTRANCE LENS	
1200.000	:	EMVOLTS	
		1023.529	: Actual EMV
		10.94	: GAIN FACTOR
1800.000	:	AMUGAIN	
120.000	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
13.550	:	ENTLENSOFFSET	
0.000	:	MASSGAIN	
0.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

Method Path : E:\methods\

Method File : ASGC200.M

Title :

st Update :

Response Via : Initial Calibration

Total Cpnds : 0

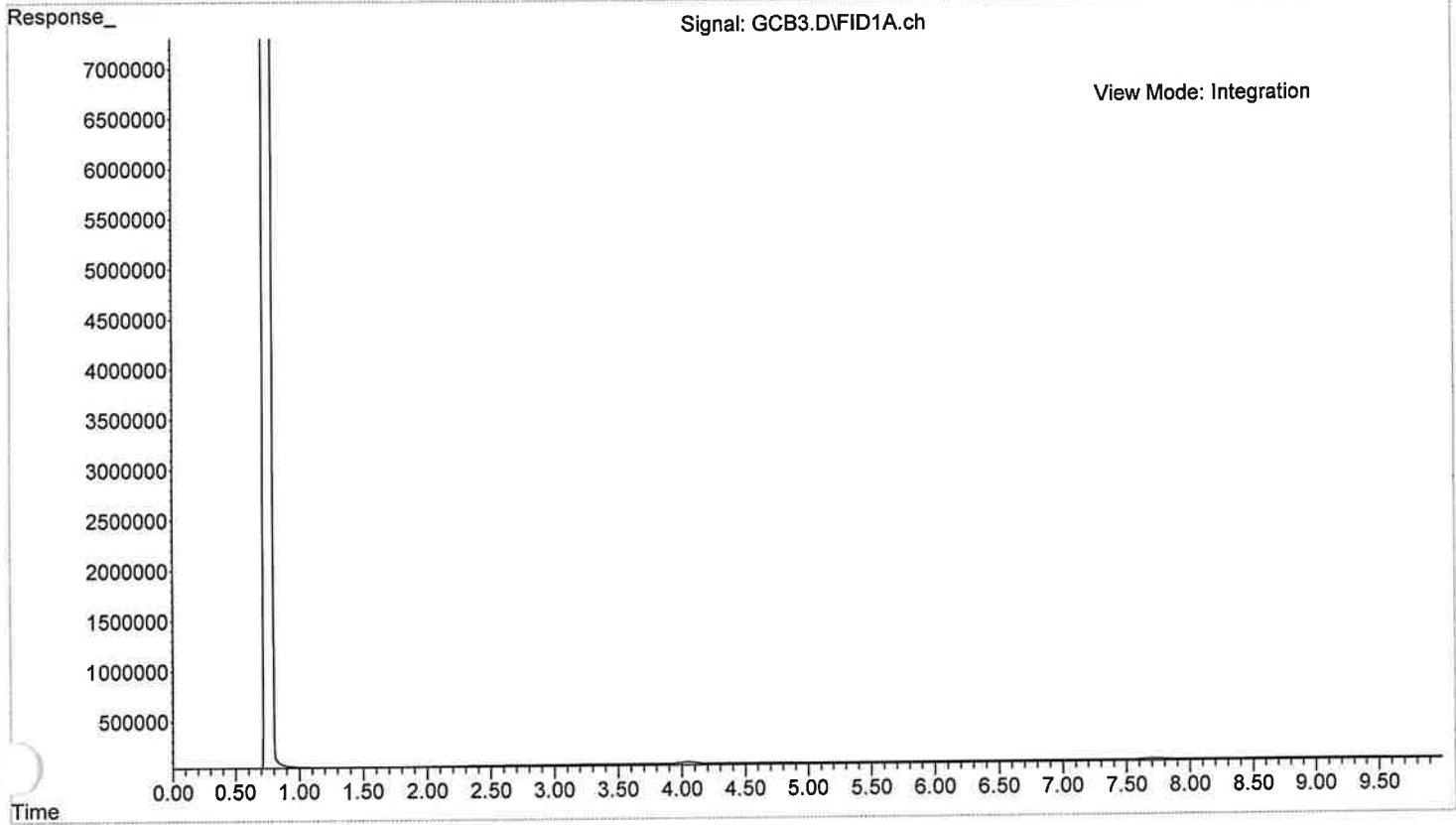
PK#	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
-----	---------------	--------	--------	-----	-----	----

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin

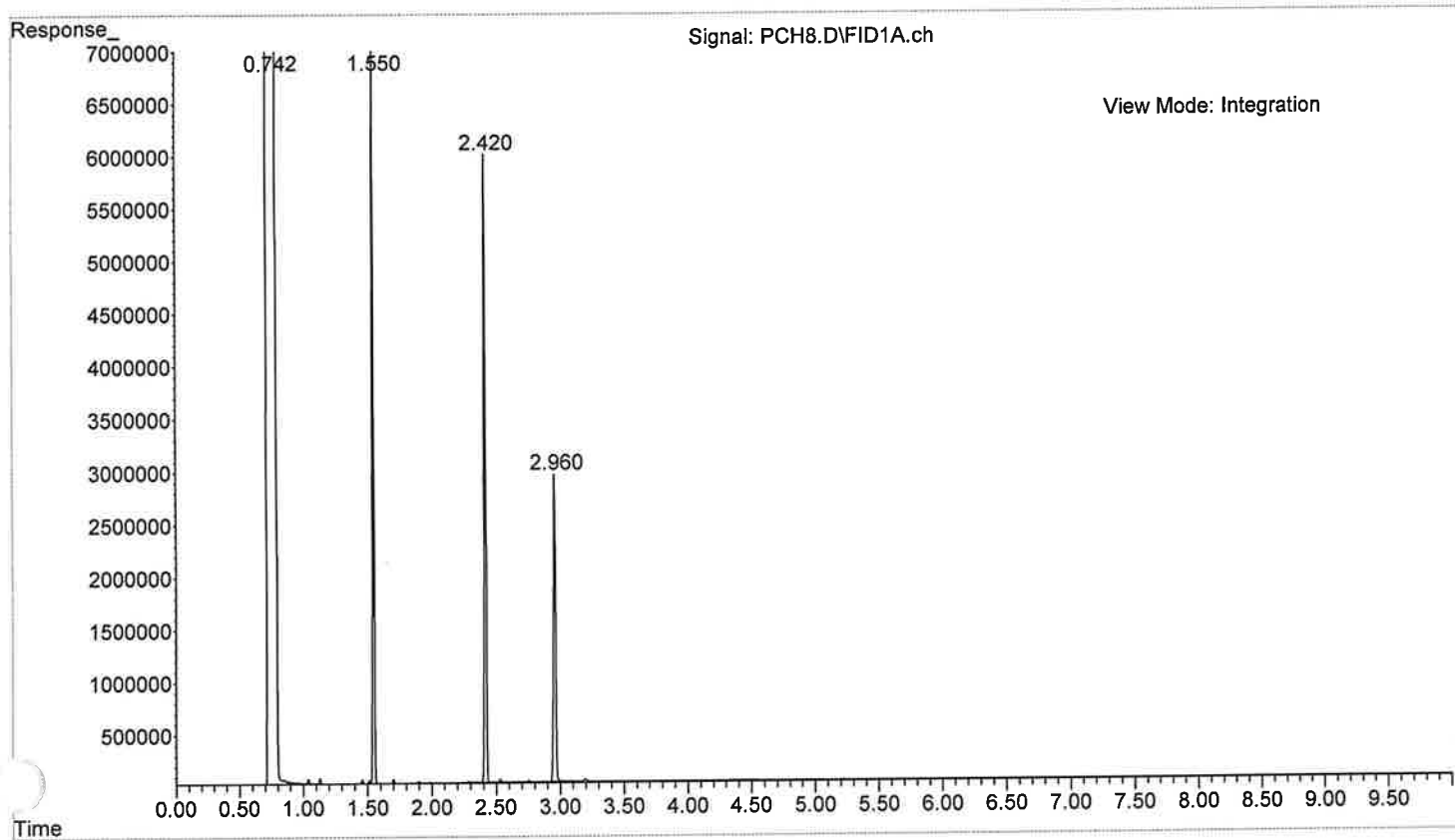
A/H = Area or Height

ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

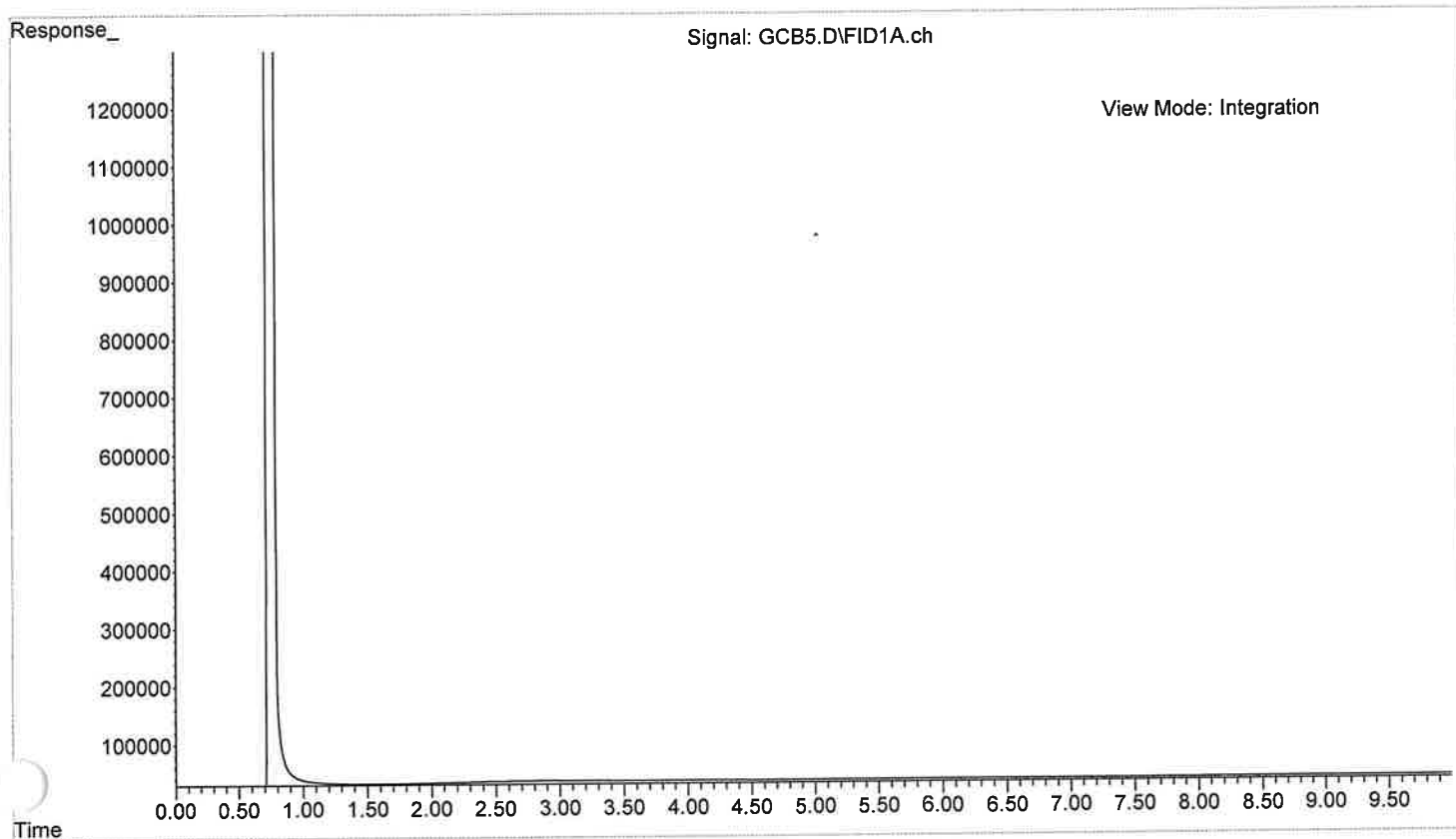
File :X:\2023\GJG\2-13-23\MV213\GCB3.D
Operator :
Acquired : 17 Feb 2023 17:23 using AcqMethod ASGC200.M
Instrument : Donna2
Sample Name: MEOH B FOR CALIBRATION STANDARD
Misc Info : 200-280
View Number: 2



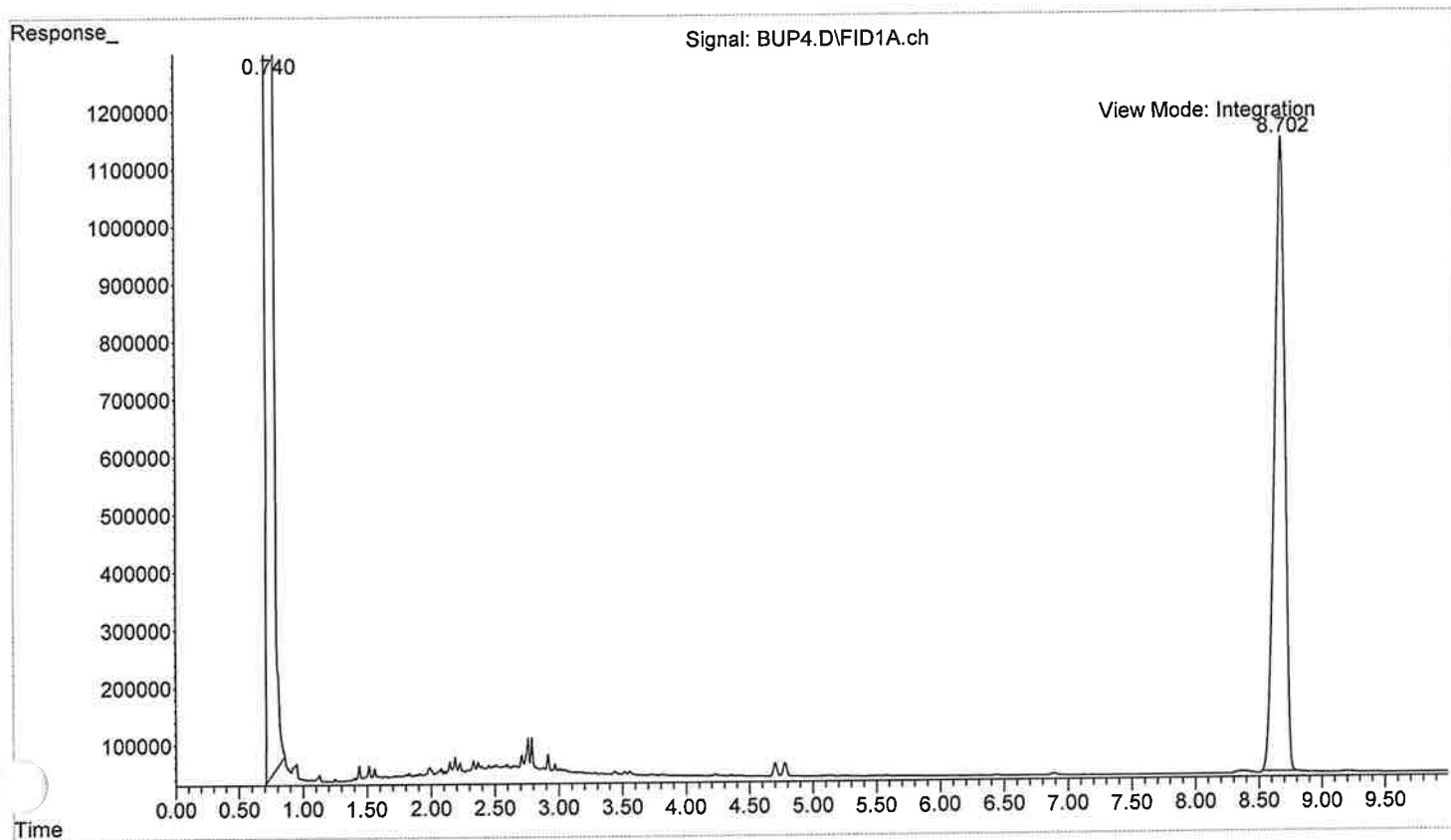
File :X:\2023\GJG\2-13-23\MV213\PCH8.D
Operator :
Acquired : 17 Feb 2023 17:35 using AcqMethod ASGC200.M
Instrument : Donna2
Sample Name: CALIBRATION STANDARD -- 200-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 3



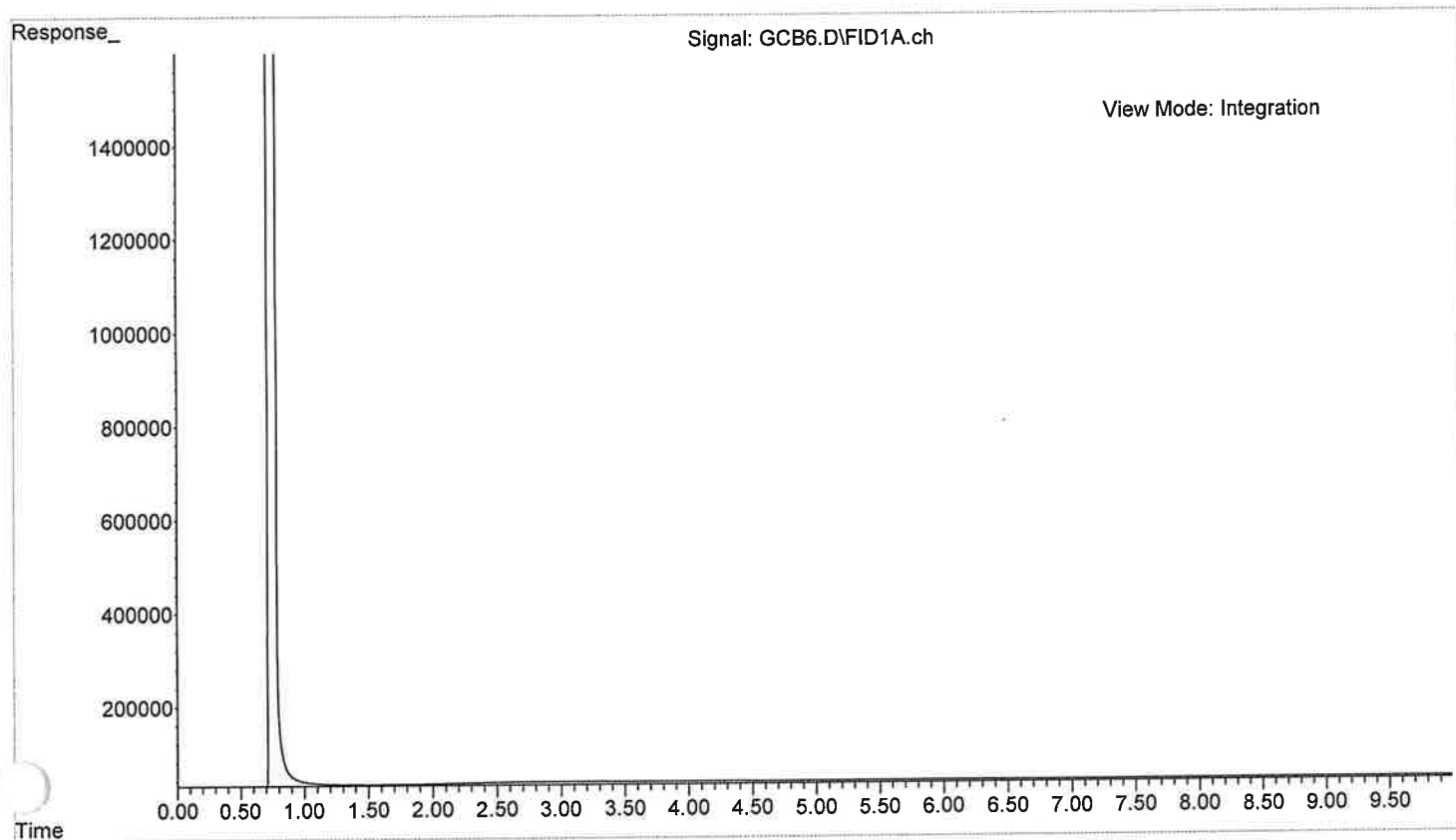
File :X:\2023\GJG\2-21-23\MV221\GCB5.D
Operator :
Acquired : 21 Feb 2023 18:43 using AcqMethod ASGC200.M
Instrument : Donna2
Sample Name: MEOH B FOR BUPRENORPHINE STANDARD
Misc Info : 200-280
View Number: 2



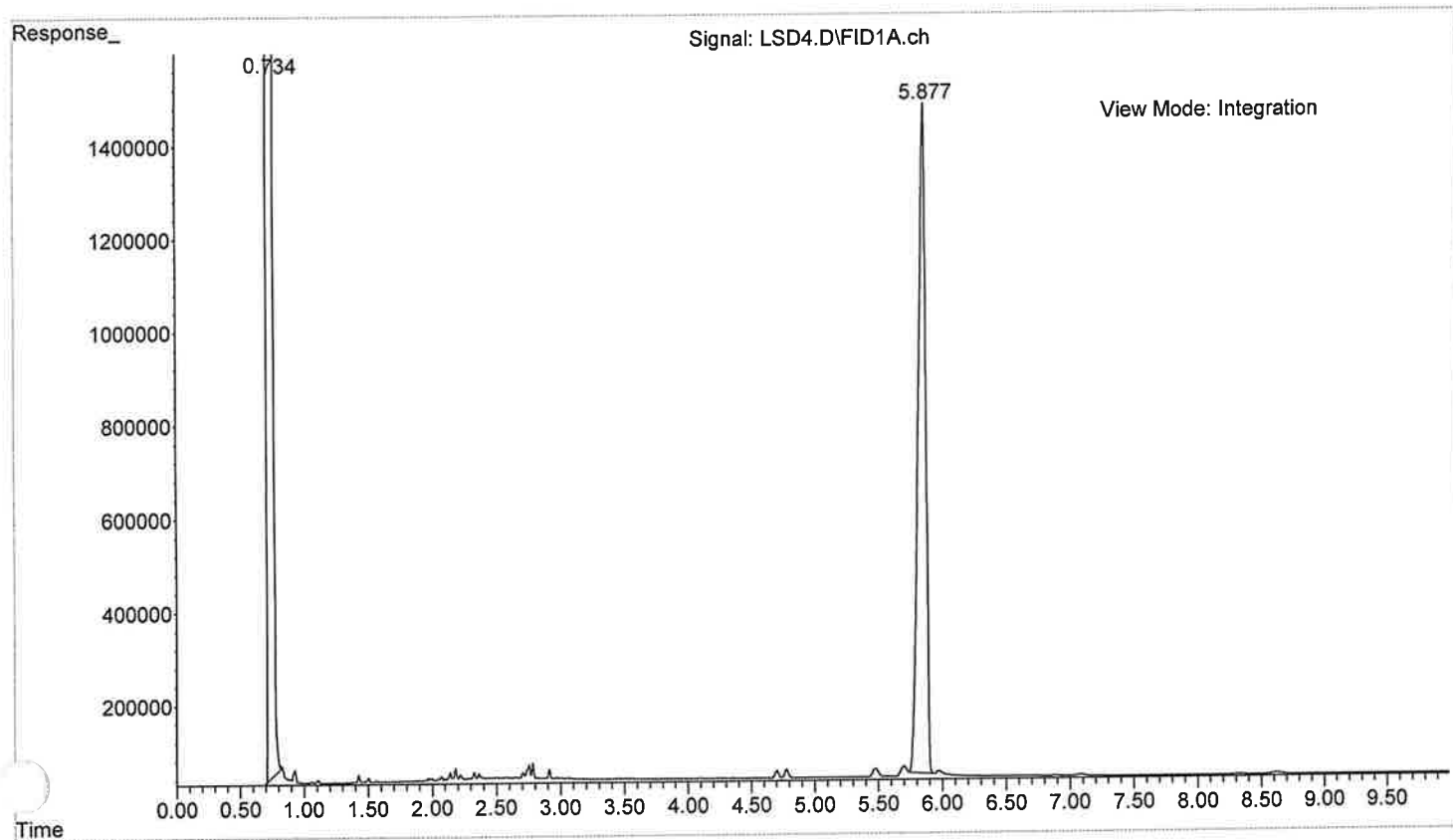
File :X:\2023\GJG\2-21-23\MV221\BUP4.D
Operator :
Acquired : 21 Feb 2023 18:55 using AcqMethod ASGC200.M
Instrument : Donna2
Sample Name: BUPRENORPHINE STANDARD -- 200-280
Misc Info : Cerilliant Lot# FE03191903 Exp: June 2024
View Number: 3



File :X:\2023\GJG\2-21-23\MV221\GCB6.D
Operator :
Acquired : 21 Feb 2023 19:20 using AcqMethod ASGC200.M
Instrument : Donna2
Sample Name: MEOH B FOR LSD STANDARD
Misc Info : 200-280
Vial Number: 2



File :X:\2023\GJG\2-21-23\MV221\LSD4.D
Operator :
Acquired : 21 Feb 2023 19:32 using AcqMethod ASGC200.M
Instrument : Donna2
Sample Name: LSD STANDARD -- 200-280
Misc Info : Cerilliant Lot# FE10161901 Exp: October 2024
View Number: 4



METHOD CONTROL PARAMETERS

Method Information for: E:\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:

Auto sample GC/FID ramp ISO 150c

END OF METHOD CONTROL PARAMETERS

E:\methods\ASGC150ISO.M
Mon Mar 13 18:02:27 2023

Control Information

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

No Sample Prep method has been assigned to this method.

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

Oven
Temperature
Setpoint On
(Initial) 150 °C
Hold Time 1 min
Post Run 0 °C
Program
#1 Rate 70 °C/min
#1 Value 150 °C
#1 Hold Time 9 min

Equilibration Time 0.5 min
Max Temperature 305 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Injection Repetitions 1
Injection Delay 0 sec
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

Solvent Wash Mode	A, B
Back Injector	
Syringe Size	10 µL
Injection Volume	1 µL
Injection Repetitions	1
Injection Delay	0 sec
Solvent A Washes (PreInj)	2
Solvent A Washes (PostInj)	2
Solvent A Volume	8 µL
Solvent B Washes (PreInj)	2
Solvent B Washes (PostInj)	2
Solvent B Volume	8 µL
Sample Washes	1
Sample Wash Volume	8 µL
Sample Pumps	2
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	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
Solvent Wash Mode	A, B
ALS Errors	Pause for user interaction
Front SS Inlet He	
Mode	Split
Heater	On 250 °C
Pressure	On 17.525 psi
Gas Saver	Off
Split Ratio	50 :1
Split Flow	51.2 mL/min
Liner	A Liner has not been selected.
Back SS Inlet He	
Mode	Split
Heater	On 250 °C
Pressure	On 6.7158 psi
Gas Saver	Off
Split Ratio	50 :1
Split Flow	40.729 mL/min
Liner	A Liner has not been selected.
Thermal Aux 2 (MSD Transfer Line)	
Temperature	
Setpoint	On
(Initial)	280 °C
Hold Time	0 min
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	1.024 mL/min
Hold Time	0 min
Post Run	0.969 mL/min
Column Information	J&W01
Temperature Range	-60 °C-305 °C (305 °C)

Dimensions
Column lock
In
Out
Column Outlet Pressure
(Initial)
Pressure
Flow
Average Velocity
Holdup Time
Control Mode

12.5 m x 200 µm x 0.33 µm
Unlocked
Front SS Inlet He
MSD
MSD
150 °C
13.985 psi
1.024 mL/min
59.652 cm/sec
0.34925 min
Constant Flow

Column #2
Pressure
Setpoint
(Initial)
Hold Time
Post Run

On
6.7158 psi
0 min
0 psi

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

Agilent HP-1
-60 °C-305 °C (305 °C)
30 m x 320 µm x 1 µm
Unlocked
Back SS Inlet He
Front Detector FID
0 psi
150 °C
6.7158 psi
0.81457 mL/min
19.523 cm/sec
2.5611 min
Ramped Pressure

Front Detector FID
Makeup
Water
N2 Flow
Air Flow
Makeup Flow (Combined)
Carrier Gas Flow Correction
Flame

He
On 250 °C
On 40 mL/min
On 450 mL/min
On 45 mL/min
Column + Makeup = Constant
On

Signals
Signal #1: Front Signal
Description
Details
Save
Data Rate
Dual Injection Assignment

Front Signal
Front Signal (FID)
On
20 Hz
Front Sample

Signal #2: Front Signal
Description
Details
Save
Data Rate
Dual Injection Assignment

Front Signal
Front Signal (FID)
Off
20 Hz
Back Sample

Column 1 Inventory Number :
Column 2 Inventory Number :

TUNE PARAMETERS for SN: US10423616

Trace Ion Detection is OFF.

35.000	:	EMISSION	
70.000	:	ENERGY	
29.960	:	REPELLER	
90.200	:	IONFOCUS	
28.500	:	ENTRANCE LENS	
1200.000	:	EMVOLTS	
		1023.529	: Actual EMV
		10.94	: GAIN FACTOR
1800.000	:	AMUGAIN	
120.000	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
13.550	:	ENTLENSOFFSET	
0.000	:	MASSGAIN	
0.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

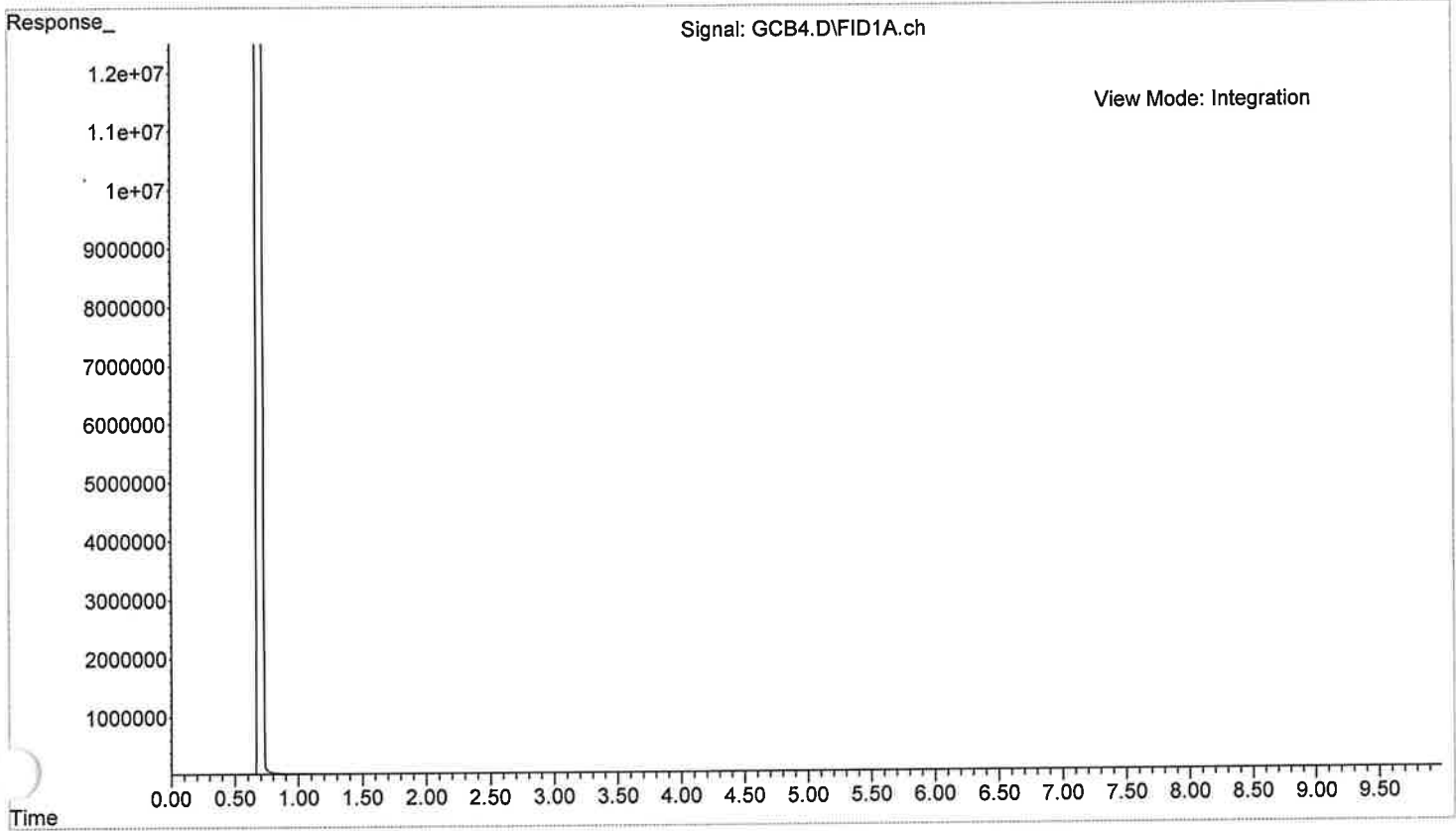
Method Path : E:\methods\
Method File : ASGC150ISO.M
Title :
st Update :
Response Via : Initial Calibration

Total Cpnds : 0

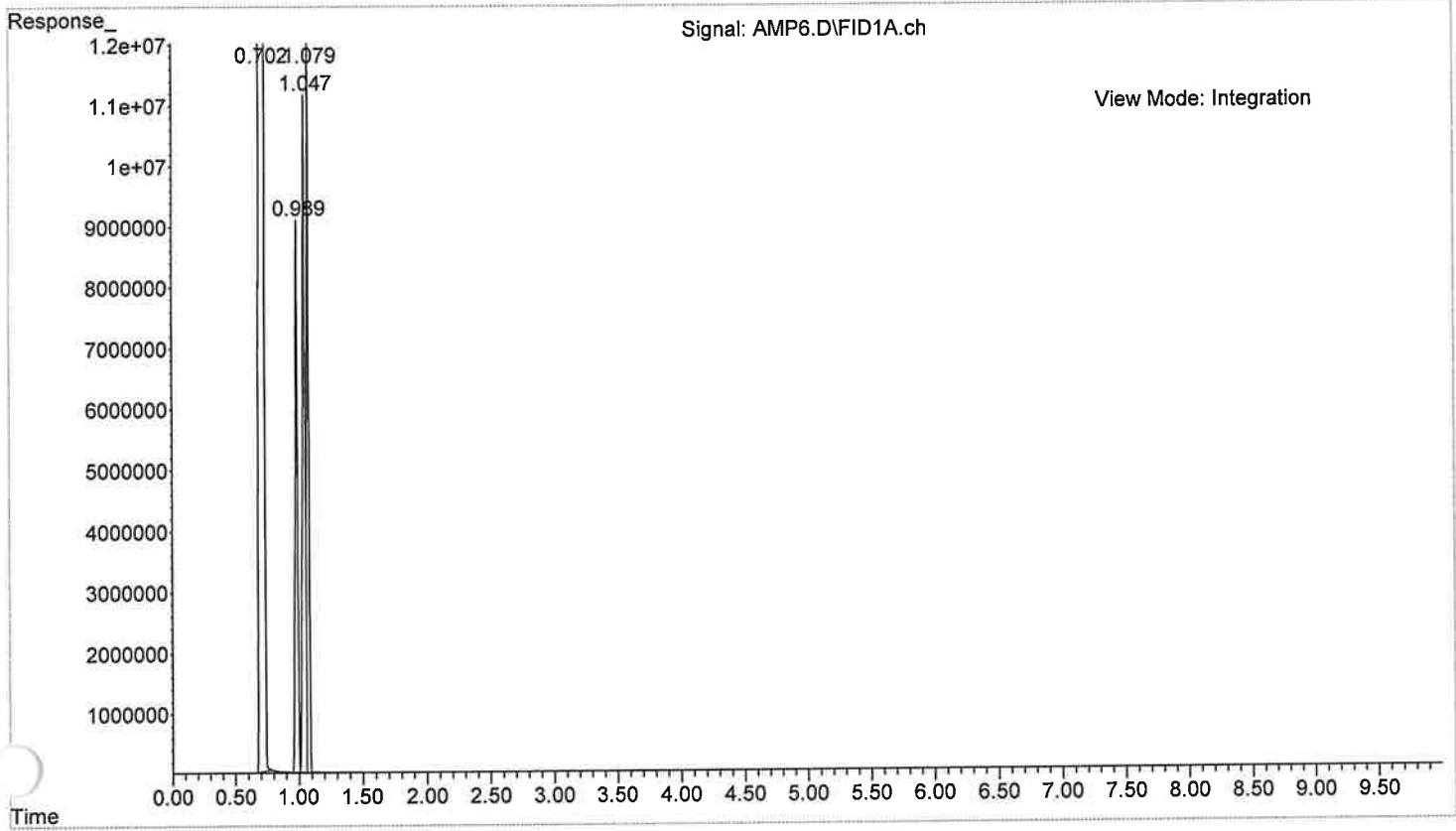
PK#	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
-----	---------------	--------	--------	-----	-----	----

Cal A = Average L = Linear LO = Linear w/origin Q = Quad Q0 = Quad w/origin
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

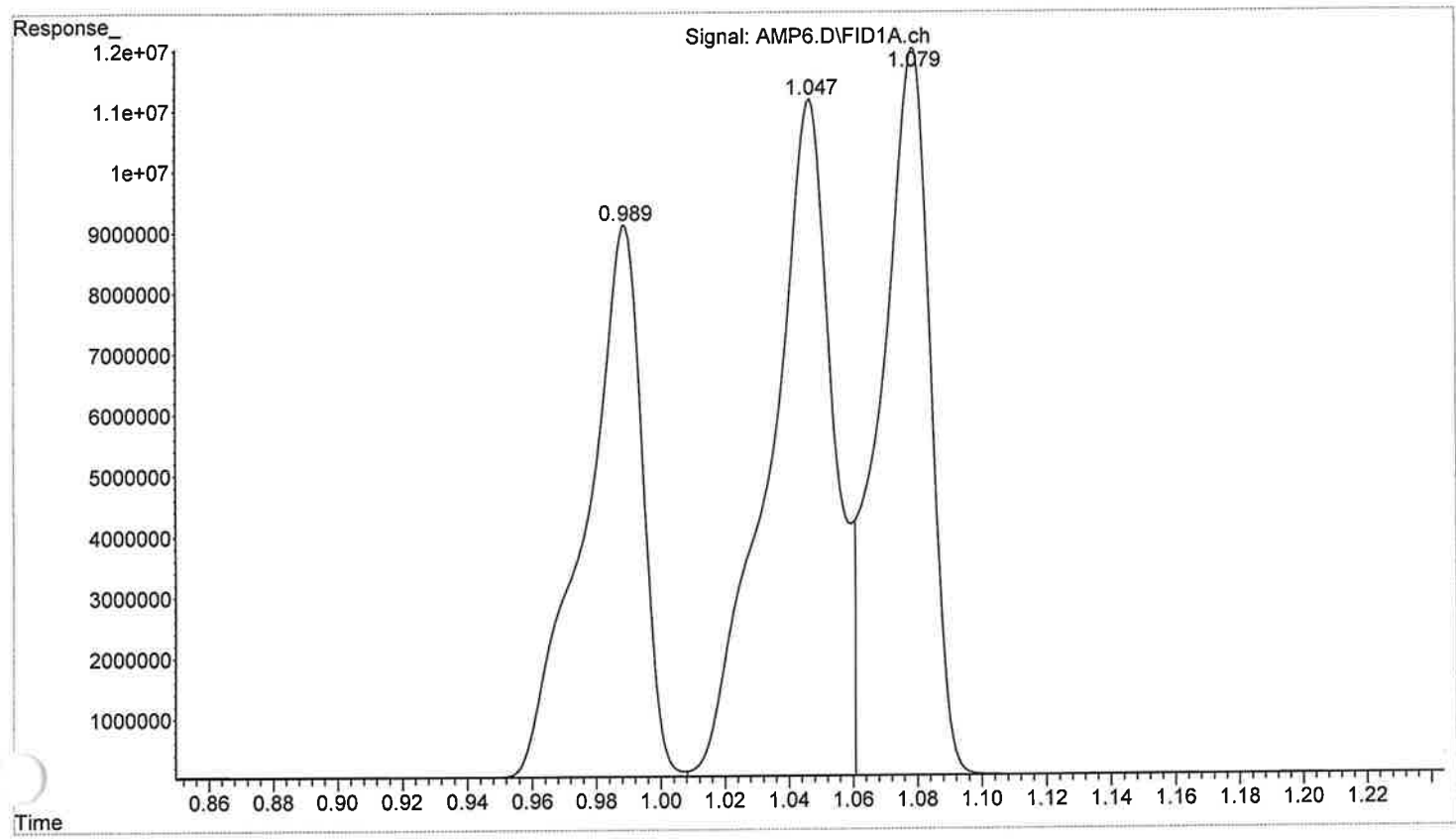
File :X:\2023\GJG\2-13-23\MV213\GCB4.D
Operator :
Acquired : 17 Feb 2023 18:05 using AcqMethod ASGC150ISO.M
Instrument : Donna2
Sample Name: MEOH B FOR GC/IR TEST SOLUTION
Misc Info : 150 ISOTHERMAL
Vial Number: 2



File :X:\2023\GJG\2-13-23\MV213\AMP6.D
Operator :
Acquired : 17 Feb 2023 18:17 using AcqMethod ASGC150ISO.M
Instrument : Donna2
Sample Name: GC/IR TEST SOLUTION -- 150 ISOTHERMAL
Mi Info : AMPHETAMINE / PHENTERMINE / METHAMPHETAMINE
Vi Number: 4



File :X:\2023\GJG\2-13-23\MV213\AMP6.D
Operator :
Acquired : 17 Feb 2023 18:17 using AcqMethod ASGC150ISO.M
Instrument : Donna2
Sample Name: GC/IR TEST SOLUTION -- 150 ISOTHERMAL
Mix Info : AMPHETAMINE / PHENTERMINE / METHAMPHETAMINE
Vial Number: 4



METHOD CONTROL PARAMETERS

Method Information for: E:\methods\ASGC280ISO.M

Method Sections To Run:

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

Method Comments:

Auto sample GC/FID ramp ISO 280c

END OF METHOD CONTROL PARAMETERS

E:\methods\ASGC280ISO.M
Mon Mar 13 18:04:47 2023

Control Information

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

No Sample Prep method has been assigned to this method.

GC

GC Summary

Run Time 10 min
Post Run Time 0 min

Oven

Temperature

Setpoint On
(Initial) 280 °C
Hold Time 10 min
Post Run 0 °C

Equilibration Time 0.5 min
Max Temperature 305 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS

Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Injection Repetitions 1
Injection Delay 0 sec
Solvent A Washes (PreInj) 5
Solvent A Washes (PostInj) 5
Solvent A Volume 8 µL
Solvent B Washes (PreInj) 0
Solvent B Washes (PostInj) 0
Solvent B Volume 8 µL
Sample Washes 2
Sample Wash Volume 8 µL
Sample Pumps 2
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 300 µL/min
Solvent Wash Dispense Speed 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
Solvent Wash Mode A, B

Back Injector

Syringe Size 10 µL
Injection Volume 1 µL

Injection Repetitions	1
Injection Delay	0 sec
Solvent A Washes (PreInj)	2
Solvent A Washes (PostInj)	2
Solvent A Volume	8 µL
Solvent B Washes (PreInj)	2
Solvent B Washes (PostInj)	2
Solvent B Volume	8 µL
Sample Washes	1
Sample Wash Volume	8 µL
Sample Pumps	2
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	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
Solvent Wash Mode	A, B
ALS Errors	Pause for user interaction
Front SS Inlet He	
Mode	Split
Heater	On 250 °C
Pressure	On 23.169 psi
Gas Saver	Off
Split Ratio	50 :1
Split Flow	48.35 mL/min
Liner	A Liner has not been selected.
Back SS Inlet He	
Mode	Split
Heater	On 250 °C
Pressure	On 6.7158 psi
Gas Saver	Off
Split Ratio	50 :1
Split Flow	25.968 mL/min
Liner	A Liner has not been selected.
Thermal Aux 2 (MSD Transfer Line)	
Temperature	
Setpoint	On
(Initial)	280 °C
Hold Time	0 min
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	0.967 mL/min
Hold Time	0 min
Post Run	0.969 mL/min
Column Information	J&W01
Temperature Range	-60 °C-305 °C (305 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm
Column lock	Unlocked
In	Front SS Inlet He
Out	MSD
Column Outlet Pressure	MSD

(Initial) 280 °C
Pressure 20.209 psi
Flow 0.967 mL/min
Average Velocity 60.507 cm/sec
Holdup Time 0.34432 min
Control Mode Constant Flow

Column #2
Pressure
Setpoint On
(Initial) 6.7158 psi
Hold Time 0 min
Post Run 0 psi

Column Information Agilent HP-1
Temperature Range -60 °C-305 °C (305 °C)
Dimensions 30 m x 320 µm x 1 µm
Column lock Unlocked
In Back SS Inlet He
Out Front Detector FID
Column Outlet Pressure 0 psi
(Initial) 280 °C
Pressure 6.7158 psi
Flow 0.51935 mL/min
Average Velocity 16.271 cm/sec
Holdup Time 3.0729 min
Control Mode Ramped Pressure

Front Detector FID
Makeup He
Heater On 250 °C
H2 Flow On 40 mL/min
Air Flow On 450 mL/min
Makeup Flow (Combined) On 45 mL/min
Carrier Gas Flow Correction Column + Makeup = Constant
)ame On

Signals
Signal #1: Front Signal
Description Front Signal
Details Front Signal (FID)
Save On
Data Rate 20 Hz
Dual Injection Assignment Front Sample

Signal #2: Front Signal
Description Front Signal
Details Front Signal (FID)
Save Off
Data Rate 20 Hz
Dual Injection Assignment Back Sample

Column 1 Inventory Number :
Column 2 Inventory Number :

TUNE PARAMETERS for SN: US10423616

Trace Ion Detection is OFF.

35.000 : EMISSION
70.000 : ENERGY
29.960 : REPELLER
90.200 : IONFOCUS
28.500 : ENTRANCE_LENS
1200.000 : EMVOLTS

1023.529 : Actual EMV
10.94 : GAIN FACTOR

1800.000 : AMUGAIN
120.000 : AMUOFFSET
1.000 : FILAMENT
0.000 : DCPOLARITY
13.550 : ENTLENSOFFSET
0.000 : MASSGAIN
0.000 : MASSOFFSET

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

Method Path : E:\methods\
Method File : ASGC280ISO.M
Title :
1st Update :
Response Via : Initial Calibration

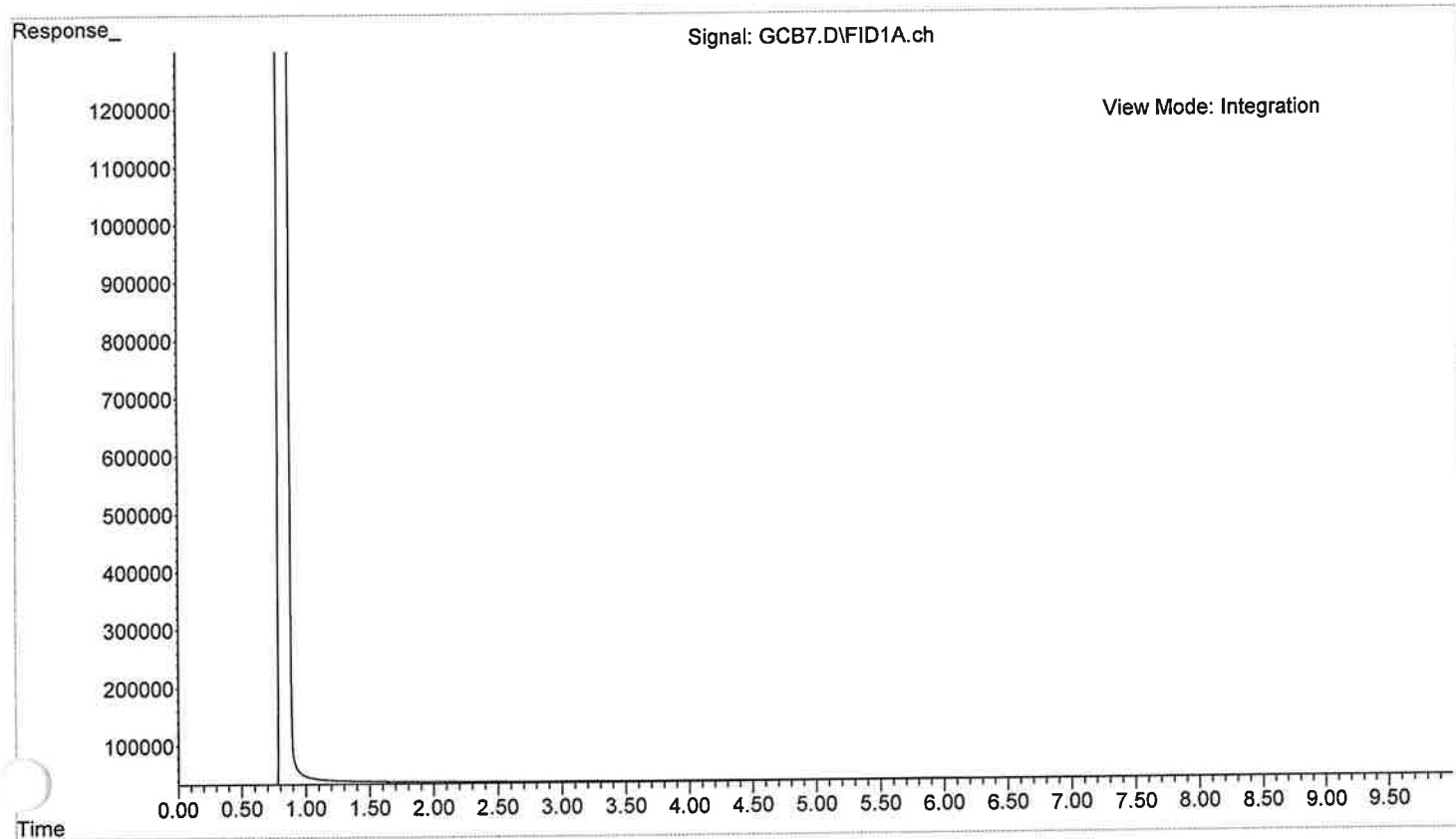
Total Cpnds : 0

PK#	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
-----	---------------	--------	--------	-----	-----	----

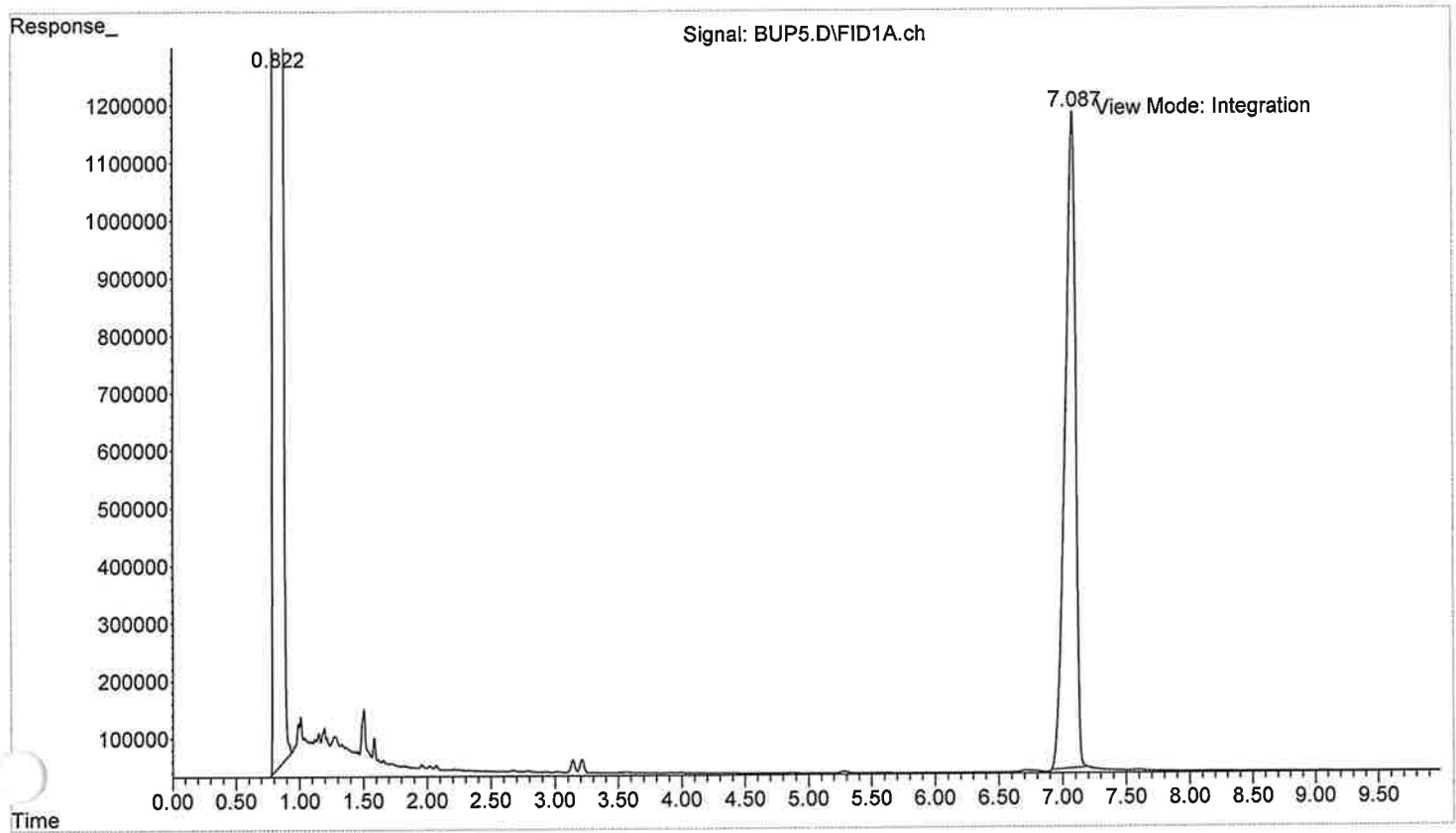
Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
A/H = Area or Height

ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

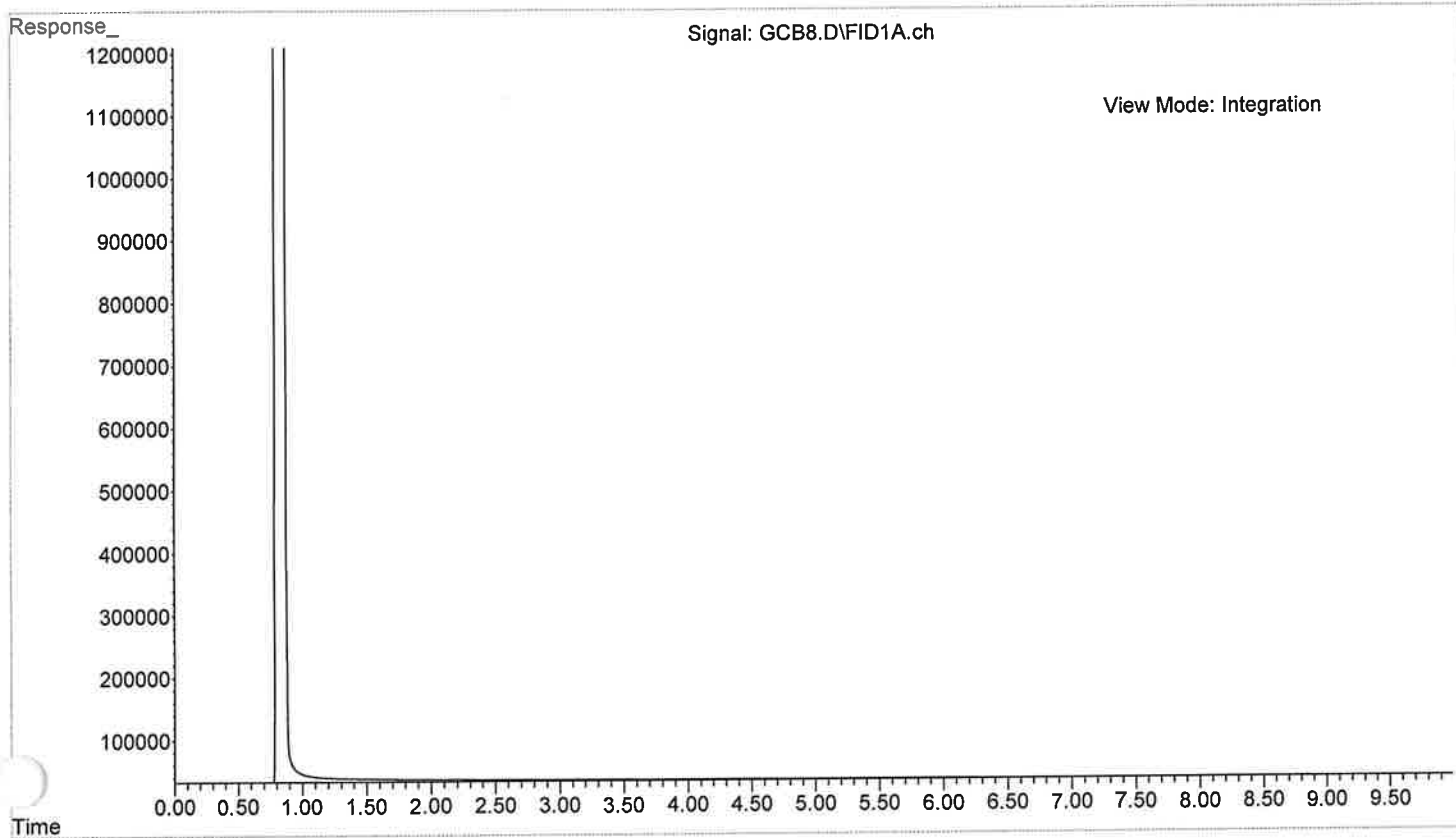
File :X:\2023\GJG\2-21-23\MV221\GCB7.D
Operator :
Acquired : 21 Feb 2023 19:56 using AcqMethod ASGC280ISO.M
Instrument : Donna2
Sample Name: MEOH B FOR BUPRENORPHINE STANDARD
Misc Info : 280 ISOTHERMAL
Vial Number: 2



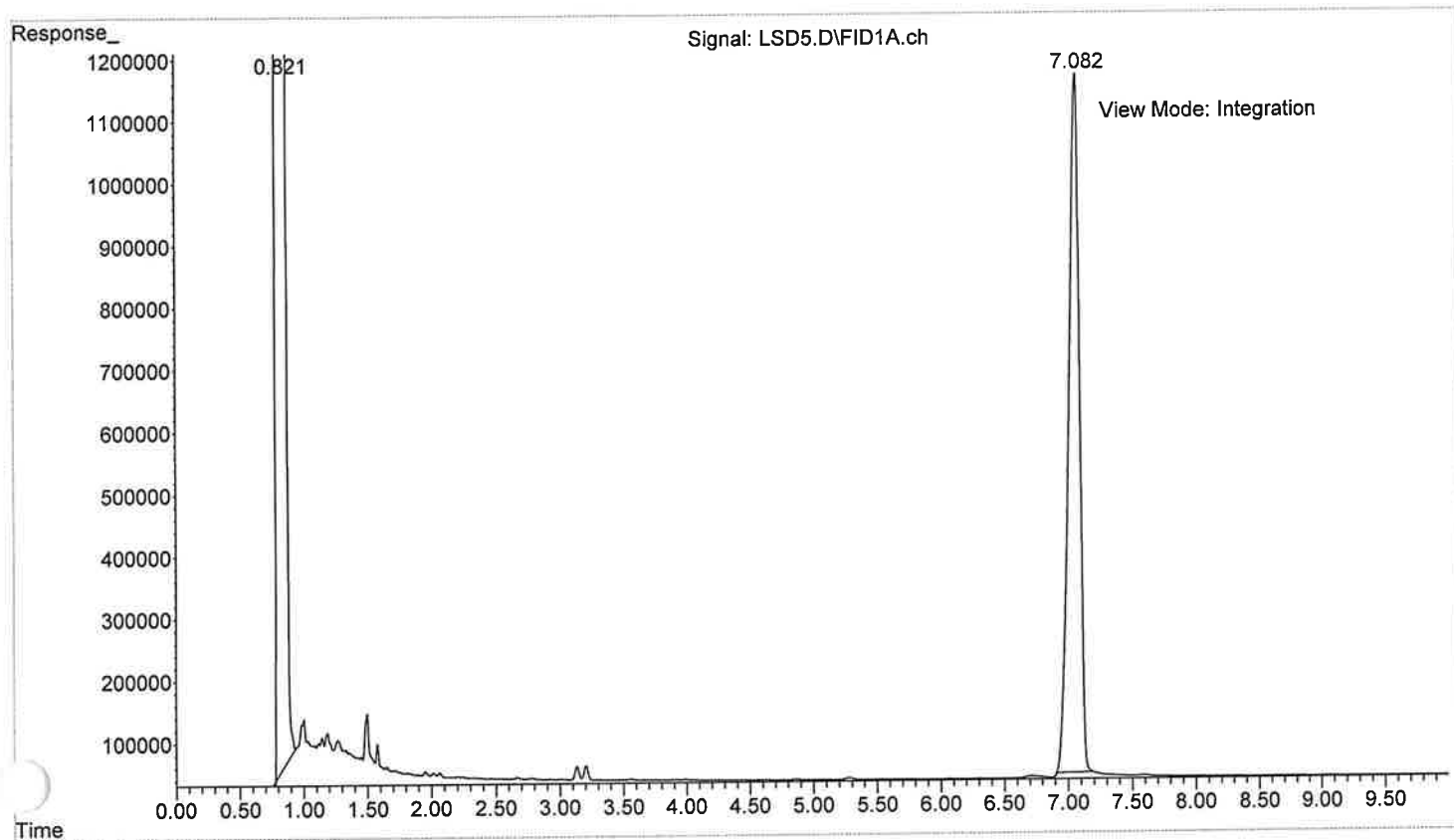
File :X:\2023\GJG\2-21-23\MV221\BUP5.D
Operator :
Acquired : 21 Feb 2023 20:08 using AcqMethod ASGC280ISO.M
Instrument : Donna2
Sample Name: BUPRENORPHINE STANDARD -- 280 ISOTHERMAL
Misc Info : Cerilliant Lot# FE03191903 Exp: June 2024
Vial Number: 3



File :X:\2023\GJG\2-21-23\MV221\GCB8.D
Operator :
Acquired : 21 Feb 2023 20:32 using AcqMethod ASGC280ISO.M
Instrument : Donna2
Sample Name: MEOH B FOR LSD STANDARD
Misc Info : 280 ISOTHERMAL
Vial Number: 2



File :X:\2023\GJG\2-21-23\MV221\LSD5.D
Operator :
Acquired : 21 Feb 2023 20:43 using AcqMethod ASGC280ISO.M
Instrument : Donna2
Sample Name: LSD STANDARD -- 280 ISOTHERMAL
Misc Info : Cerilliant Lot# FE10161901 Exp: October 2024
Vial Number: 3



METHOD CONTROL PARAMETERS

Method Information for: E:\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:

Auto sample GC/FID ramp ISO 280c Extended time 30 minutes

END OF METHOD CONTROL PARAMETERS

E:\methods\ASGC280ISOTI.M
Mon Mar 13 18:07:58 2023

Control Information

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

No Sample Prep method has been assigned to this method.

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

Oven
Temperature
Setpoint On
(Initial) 280 °C
Hold Time 10 min
Post Run 0 °C

Equilibration Time 0.5 min
Max Temperature 305 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Injection Repetitions 1
Injection Delay 0 sec
Solvent A Washes (PreInj) 5
Solvent A Washes (PostInj) 5
Solvent A Volume 8 µL
Solvent B Washes (PreInj) 0
Solvent B Washes (PostInj) 0
Solvent B Volume 8 µL
Sample Washes 2
Sample Wash Volume 8 µL
Sample Pumps 2
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 300 µL/min
Solvent Wash Dispense Speed 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
Solvent Wash Mode A, B

Back Injector
Syringe Size 10 µL
Injection Volume 1 µL

Injection Repetitions	1
Injection Delay	0 sec
Solvent A Washes (PreInj)	2
Solvent A Washes (PostInj)	2
Solvent A Volume	8 µL
Solvent B Washes (PreInj)	2
Solvent B Washes (PostInj)	2
Solvent B Volume	8 µL
Sample Washes	1
Sample Wash Volume	8 µL
Sample Pumps	2
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	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
Solvent Wash Mode	A, B
ALS Errors	Pause for user interaction
Front SS Inlet He	
Mode	Split
Heater	On 250 °C
Pressure	On 23.184 psi
Gas Saver	Off
Split Ratio	50 :1
Split Flow	48.374 mL/min
Liner	A Liner has not been selected.
Back SS Inlet He	
Mode	Split
Heater	On 250 °C
Pressure	On 6.7158 psi
Gas Saver	Off
Split Ratio	50 :1
Split Flow	25.968 mL/min
Liner	A Liner has not been selected.
Thermal Aux 2 (MSD Transfer Line)	
Temperature	
Setpoint	On
(Initial)	280 °C
Hold Time	0 min
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	0.96748 mL/min
Hold Time	0 min
Post Run	0.969 mL/min
Column Information	J&W01
Temperature Range	-60 °C-305 °C (305 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm
Column lock	Unlocked
In	Front SS Inlet He
Out	MSD
Column Outlet Pressure	MSD

(Initial)	280 °C
Pressure	20.218 psi
Flow	0.96748 mL/min
Average Velocity	60.522 cm/sec
Holdup Time	0.34423 min
Control Mode	Constant Flow

Column #2	
Pressure	
Setpoint	On
(Initial)	6.7158 psi
Hold Time	0 min
Post Run	0 psi

Column Information	Agilent HP-1
Temperature Range	-60 °C-305 °C (305 °C)
Dimensions	30 m x 320 µm x 1 µm
Column lock	Unlocked
In	Back SS Inlet He
Out	Front Detector FID
Column Outlet Pressure	0 psi
(Initial)	280 °C
Pressure	6.7158 psi
Flow	0.51935 mL/min
Average Velocity	16.271 cm/sec
Holdup Time	3.0729 min
Control Mode	Ramped Pressure

Front Detector FID	
Makeup	He
Heater	On 250 °C
H2 Flow	On 40 mL/min
Air Flow	On 450 mL/min
Makeup Flow (Combined)	On 45 mL/min
Carrier Gas Flow Correction	Column + Makeup = Constant
Flame	On

Signals	
Signal #1: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	On
Data Rate	20 Hz
Dual Injection Assignment	Front Sample

Signal #2: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	Off
Data Rate	20 Hz
Dual Injection Assignment	Back Sample

Column 1 Inventory Number :
 Column 2 Inventory Number :

TUNE PARAMETERS for SN: US10423616

Trace Ion Detection is OFF.

35.000	:	EMISSION	
70.000	:	ENERGY	
29.960	:	REPELLER	
90.200	:	IONFOCUS	
28.500	:	ENTRANCE LENS	
1200.000	:	EMVOLTS	
			1023.529 : Actual EMV
			10.94 : GAIN FACTOR
1800.000	:	AMUGAIN	
120.000	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
13.550	:	ENTLENSOFFSET	
0.000	:	MASSGAIN	
0.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

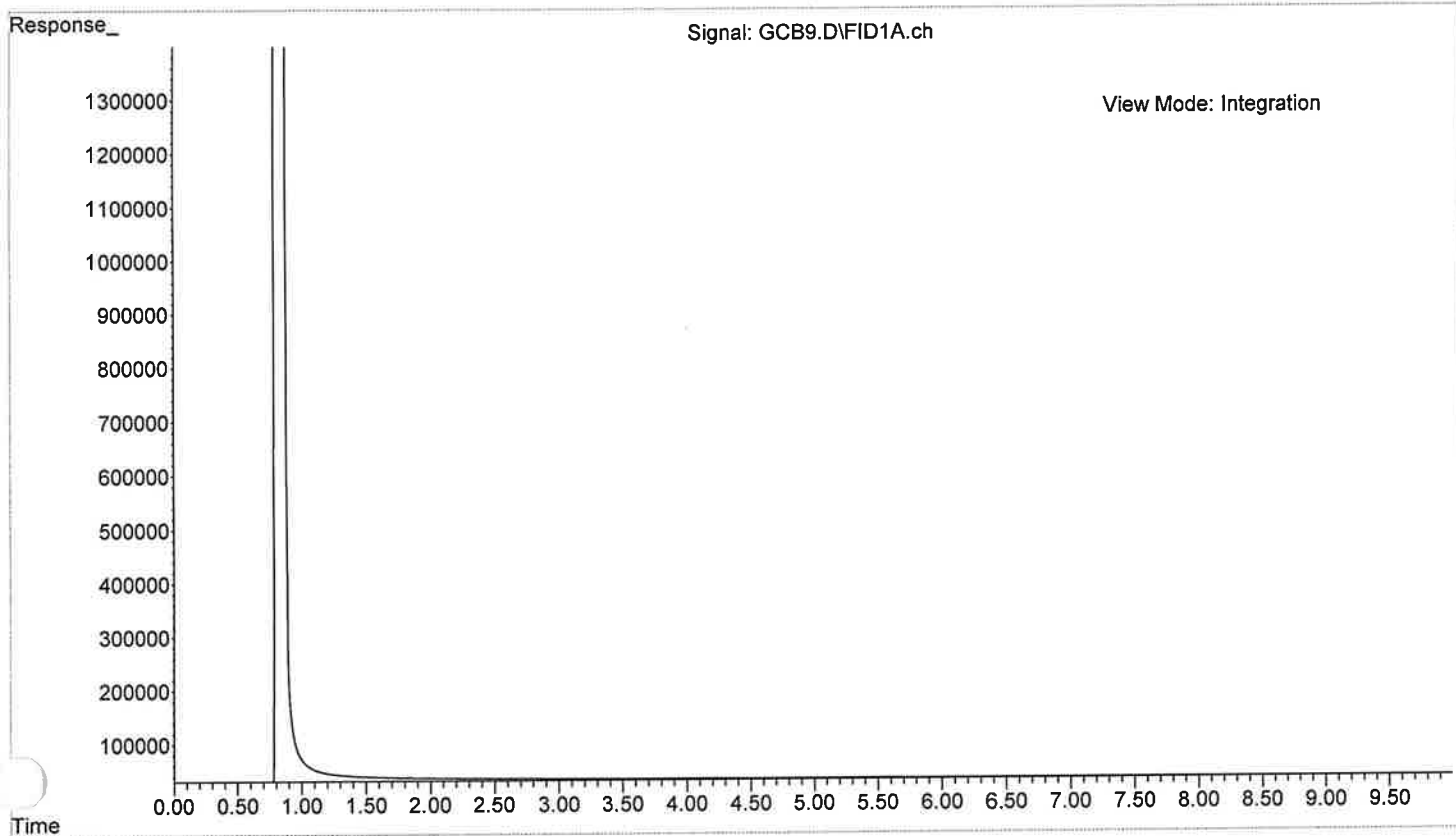
Method Path : E:\methods\
Method File : ASGC280ISOTI.M
Title :
1st Update :
Response Via : Initial Calibration

Total Cpnds : 0

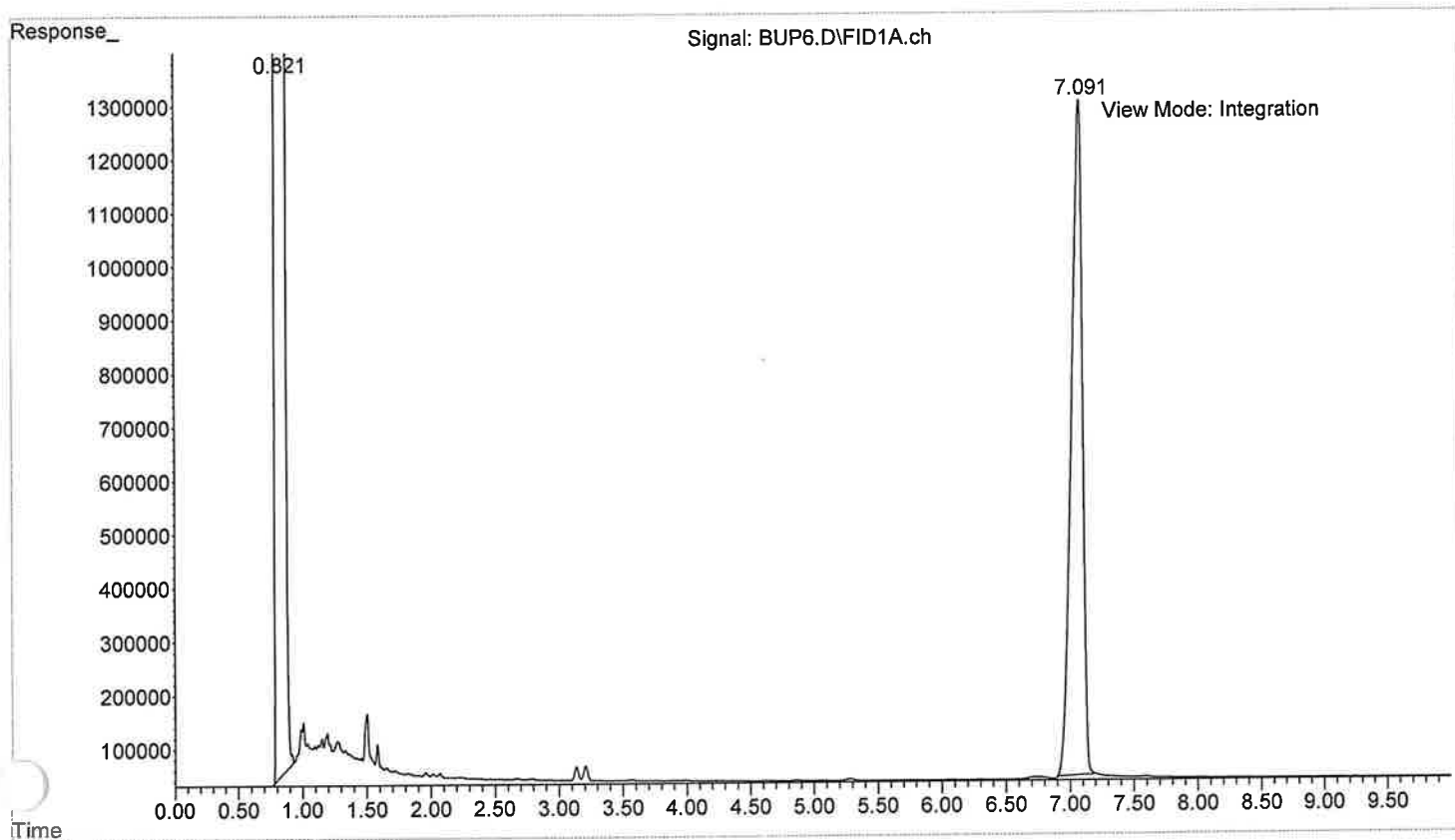
PK#	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
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Cal A = Average L = Linear LO = Linear w/origin Q = Quad Q0 = Quad w/origin
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

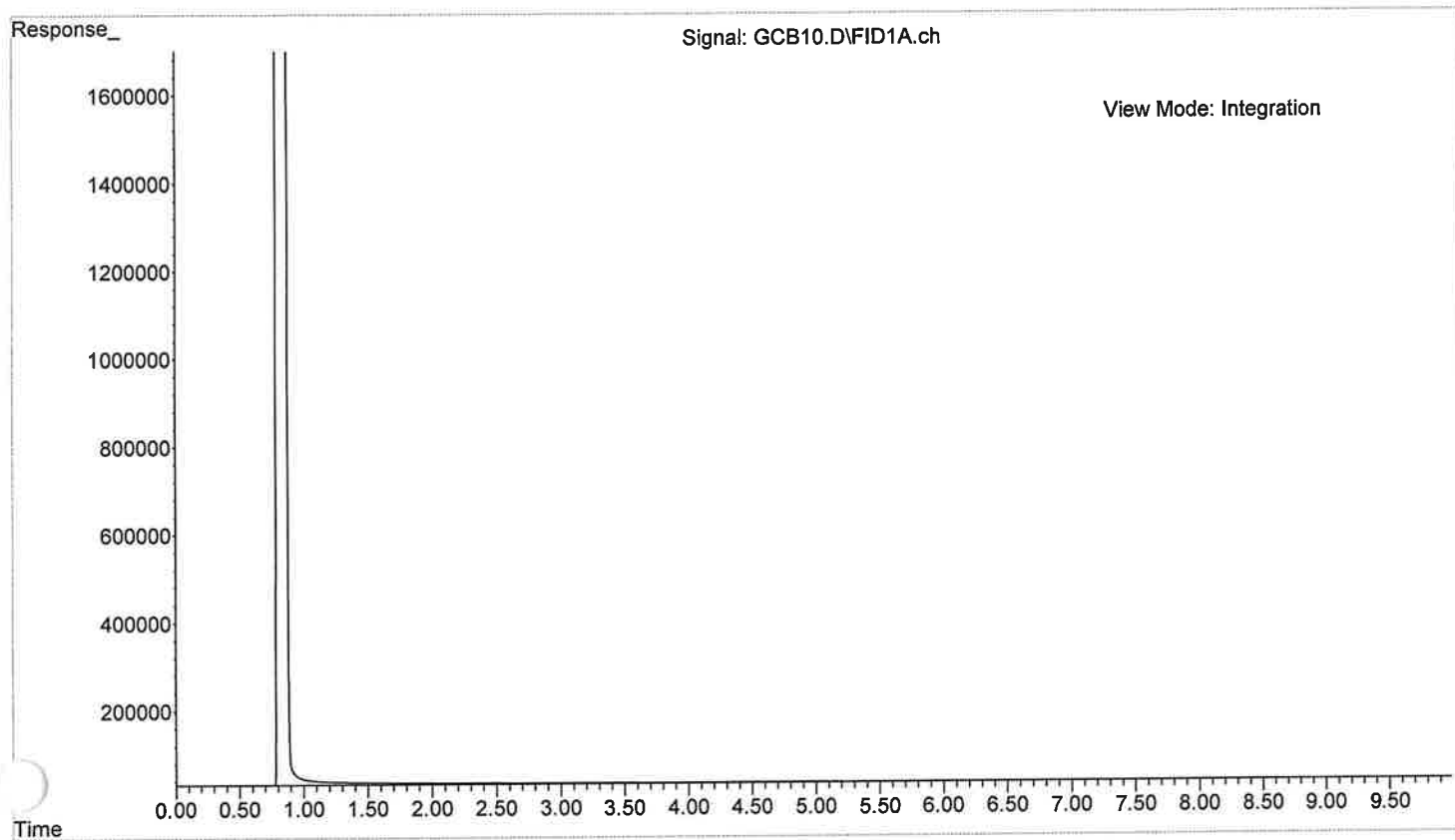
File :X:\2023\GJG\2-21-23\MV221\GCB9.D
Operator :
Acquired : 22 Feb 2023 10:13 using AcqMethod ASGC280ISOTI.M
Instrument : Donna2
Sample Name: MEOH B FOR BUPRENORPHINE STANDARD
Misc Info : 280 ISOTHERMAL
View Number: 2



File :X:\2023\GJG\2-21-23\MV221\BUP6.D
Operator :
Acquired : 22 Feb 2023 10:25 using AcqMethod ASGC280ISOTI.M
Instrument : Donna2
Sample Name: BUPRENORPHINE STANDARD -- 280 ISOTHERMAL
Misc Info : Cerilliant Lot# FE03191903 Exp: June 2024
View Number: 3



File :X:\2023\GJG\2-21-23\MV221\GCB10.D
Operator :
Acquired : 22 Feb 2023 10:49 using AcqMethod ASGC280ISOTI.M
Instrument : Donna2
Sample Name: ME0H B FOR LSD STANDARD
Misc Info : 280 ISOTHERMAL
View Number: 2



File :X:\2023\GJG\2-21-23\MV221\LSD6.D
Operator :
Acquired : 22 Feb 2023 11:01 using AcqMethod ASGC280ISOTI.M
Instrument : Donna2
Sample Name: LSD STANDARD -- 280 ISOTHERMAL
Misc Info : Cerilliant Lot# FE10161901 Exp: October 2024
View Number: 4

