

TBI-FORENSIC SERVICES DIVISION PERFORMANCE VERIFICATION FORM

Instrument/Method to Verify: GC/MS 7890A/5975A (Eggroll) 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 Glen Glenn Title SAFS II Initials GJG

Completed: 

Name _____ Title _____ Initials _____

Completed:

Name _____ Title _____ Initials _____

Completed:

Verification of final review:

Unit Supervisor: Rebecca Hernandez

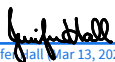
Section Manager: Glenn Everett

Unit Supervisor: Brett Trotter

Section Manager:

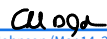
Unit Supervisor:

Forensic IT Manager: Matthew Buck

Regional Administrator: 
Jennifer Hall (Mar 13, 2023 09:28 CDT)

Regional Administrator:

Regional Administrator:

Quality Assurance Manager: 
Chad Johnson (Mar 14, 2023 09:33 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.

TABLE OF CONTENTS

Agilent 7890A GC System – Serial # CN1041074

Agilent 5975A GC/MSD – Serial # US10423616

EGGROLL

MAINTENANCE LOG

TUNE RANGES

TUNE DATA

VALIDATION OVERVIEW

INSTRUMENT AND COMPONENT SPECIFICATIONS

PURPOSE OF VALIDATION

TRAINING REQUIREMENTS

VALIDATION PROCEDURE

ANALYTICAL STANDARD SPECIFICATIONS

GC AND GC/MS METHODS

METHODS AND STANDARDS ANALYZED

[illegible]

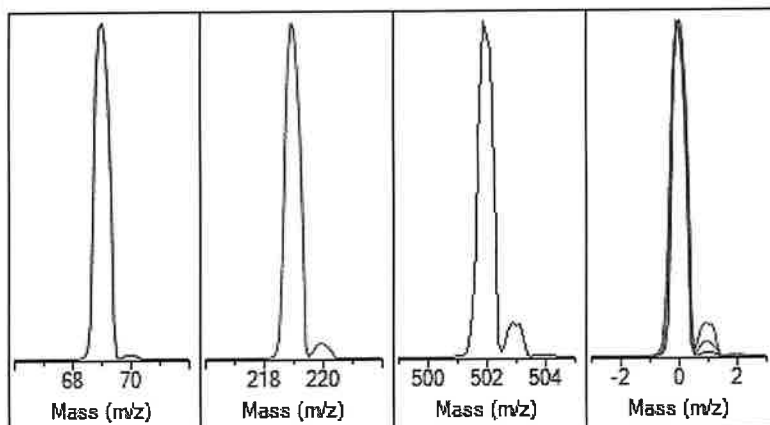
Autotune - 5975

Tune timestamp: 3/2/2023 4:03 PM (UTC-06:00)

Eggroll

C:\MASSHUNTER\GCMS\1\5975\atune.u

US61633037

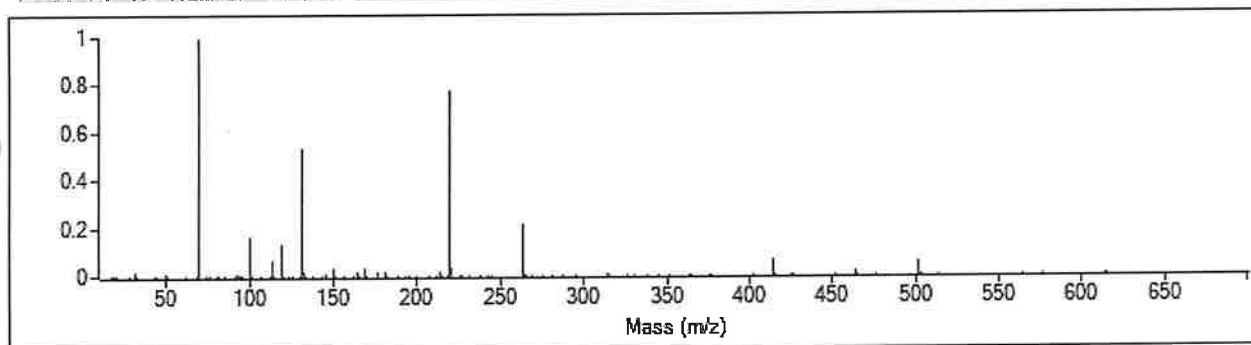


Ion Polarity	Pos	PFTBA	Open
Emission	34.6	Mass Gain	-569
Electron Energy	70.3	Mass Offset	-36
Filament	1	Amu Gain	2125
Repeller	34.96	Amu Offset	120.44
Ion Focus	83.5	Width219	-0.016
Entrance Lens	25.5	DC Polarity	Pos
Ent Lens Offset	16.82	HED Enable	On
		EM Volts	1471
		Scan Speed	3
JetClean Flow Actual/[Setpoint]	0.00 [0.00]	Averages	3

Actual m/z	Abund	Rel Abund	Pw50
69.00	431,433	100.0%	0.60
218.90	341,865	79.2%	0.60
501.90	26,422	6.1%	0.60

Temperatures and Pressures			
MS Source	230	Turbo Speed	100.0
MS Quad	150	Hi Vac	7.59e-06

Low	High	Step	Speed	Threshold	Peaks	Base	Abundance	Total Ion
10.00	701.00	0.10	3	100	112	69.00	418,432	1,425,476



Target m/z	Actual m/z	Abund	Rel Abund	Iso m/z	Iso Abund	Iso Ratio
69.00	69.00	418,432	100.0%	70.00	4,649	1.1%
219.00	219.00	324,160	77.5%	220.00	14,083	4.3%
502.00	502.00	25,360	6.1%	503.00	2,369	9.3%

Air/Water Check: H2O ~0.4% N2 ~0.4% O2 ~0.2% CO2 ~0.0% N2/H2O ~105.9%

Column(1) Flow: 0.83 Column(2): 3.29 ml/min Interface Temp: 280

Ramp Criteria:

Ion Focus maximum 90 volts using ion 502; Electron Multiplier Gain 22382.963

Repeller maximum 35 volts using ion 219; Gain Factor 0.2238

Mass Gain Values(Scan Speed): -569(3) -557(2) -537(1) -508(0) -430(FS1) -429(FS2)

TARGET MASS:	50	69	131	219	414	502	1050
Amu Offset	120.4	120.4	120.4	120.4	120.4	120.4	120.4
Entrance Lens Offset	16.8	16.8	16.8	16.8	16.8	16.8	16.8

Report Created: 3/2/2023 4:04 PM (UTC-06:00)

GGG 3-2-2023

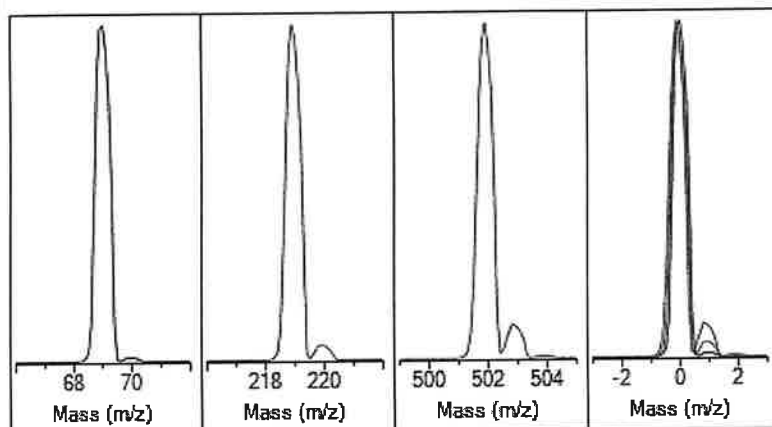
Autotune - 5975

Tune timestamp: 2/23/2023 3:48 PM (UTC-06:00)

Eggroll

C:\MASSHUNTER\GCMS\1\5975\atune.u

US61633037

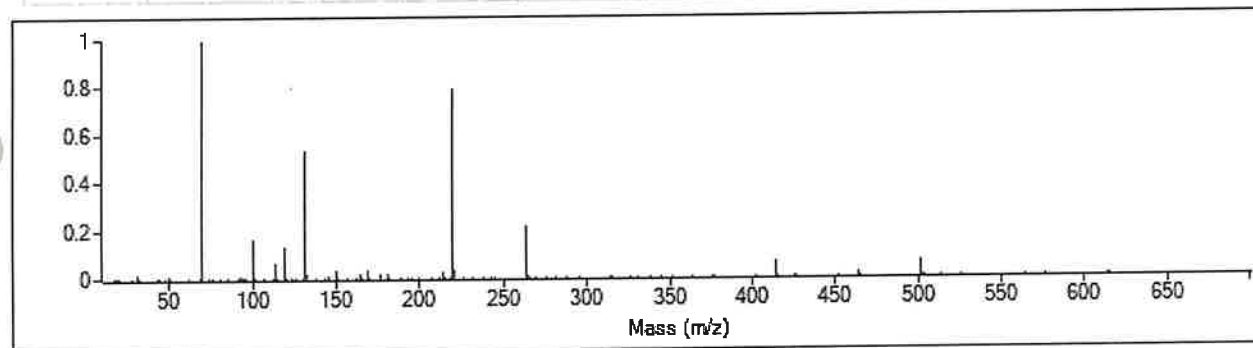


Ion Polarity	Pos	PFTBA	Open
Emission	34.6	Mass Gain	-576
Electron Energy	70.3	Mass Offset	-36
Filament	1	Amu Gain	2124
Repeller	34.96	Amu Offset	120.63
Ion Focus	81.6	Width219	-0.015
Entrance Lens	25.5	DC Polarity	Pos
Ent Lens Offset	16.82	HED Enable	On
		EM Volts	1471
		Scan Speed	3
JetClean Flow Actual/[Setpoint]	0.00 [0.00]	Averages	3

Actual m/z	Abund	Rel Abund	Pw50
69.00	417,129	100.0%	0.60
218.90	337,890	81.0%	0.60
501.90	25,687	6.2%	0.61

Temperatures and Pressures			
MS Source	230	Turbo Speed	100.0
MS Quad	150	Hi Vac	7.98e-06

Low	High	Step	Speed	Threshold	Peaks	Base	Abundance	Total Ion
10.00	701.00	0.10	3	100	108	69.00	404,160	1,386,159



Target m/z	Actual m/z	Abund	Rel Abund	Iso m/z	Iso Abund	Iso Ratio
69.00	69.00	404,160	100.0%	70.00	4,541	1.1%
219.00	219.00	318,464	78.8%	220.00	14,324	4.5%
502.00	502.00	24,544	6.1%	503.00	2,471	10.1%

Air/Water Check: H2O ~0.4% N2 ~0.4% O2 ~0.1% CO2 ~0.1% N2/H2O ~116.3%

Column(1) Flow: 0.83 Column(2): 3.30 ml/min Interface Temp: 280

Ramp Criteria:

Ion Focus maximum 90 volts using ion 502; Electron Multiplier Gain 21703.682

Repeller maximum 35 volts using ion 219; Gain Factor 0.2170

Mass Gain Values(Scan Speed): -564(3) -554(2) -535(1) -505(0) -453(FS1) -452(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	16.8	16.8	16.8	16.8	16.8	16.8	16.8

Report Created: 2/23/2023 3:49 PM (UTC-06:00)

GG 2-23-2023

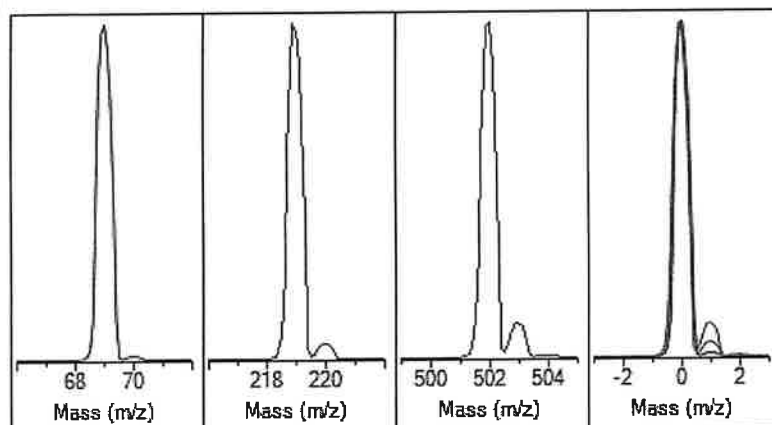
Autotune - 5975

Tune timestamp: 2/22/2023 2:35 PM (UTC-06:00)

Eggroll

C:\MASSHUNTER\GCMS\1\5975\atune.u

US61633037

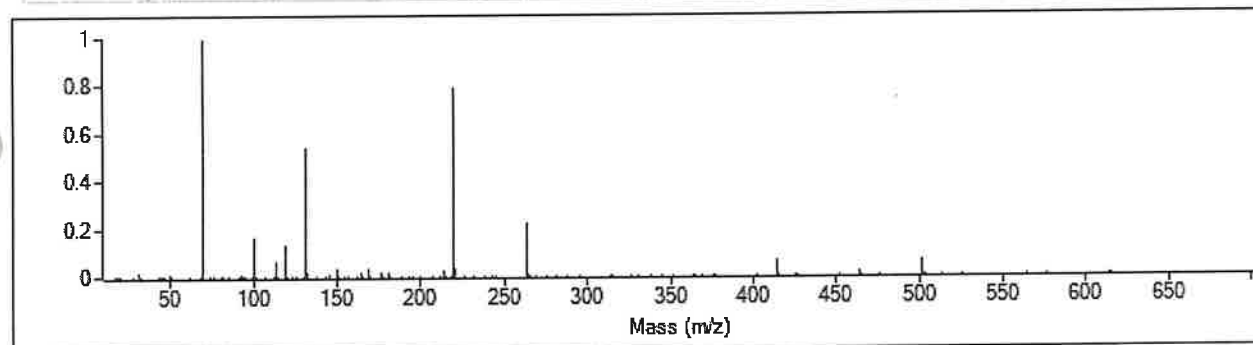


Ion Polarity	Pos	PFTBA	Open
Emission	34.6	Mass Gain	-567
Electron Energy	70.3	Mass Offset	-36
Filament	1	Amu Gain	2130
Repeller	34.96	Amu Offset	119.69
Ion Focus	81.6	Width219	-0.019
Entrance Lens	25.5	DC Polarity	Pos
Ent Lens Offset	16.82	HED Enable	On
		EM Volts	1471
		Scan Speed	3
JetClean Flow Actual/[Setpoint]	0.00 [0.00]	Averages	3

Actual m/z	Abund	Rel Abund	Pw50
69.00	474,280	100.0%	0.60
218.90	384,178	81.0%	0.60
502.00	30,786	6.5%	0.59

Temperatures and Pressures			
MS Source	230	Turbo Speed	100.0
MS Quad	150	Hi Vac	8.72e-06

Low	High	Step	Speed	Threshold	Peaks	Base	Abundance	Total Ion
10.00	701.00	0.10	3	100	116	69.00	460,352	1,586,332



Target m/z	Actual m/z	Abund	Rel Abund	Iso m/z	Iso Abund	Iso Ratio
69.00	69.00	460,352	100.0%	70.00	5,092	1.1%
219.00	219.00	365,632	79.4%	220.00	16,019	4.4%
502.00	502.00	28,440	6.2%	503.00	2,783	9.8%

Air/Water Check: H2O ~0.6% N2 ~0.5% O2 ~0.2% CO2 ~0.1% N2/H2O ~79.7%

Column(1) Flow: 0.83 Column(2): 2.72 ml/min Interface Temp: 280

Ramp Criteria:

Ion Focus maximum 90 volts using ion 502; Electron Multiplier Gain 21820.681

Repeller maximum 35 volts using ion 219; Gain Factor 0.2182

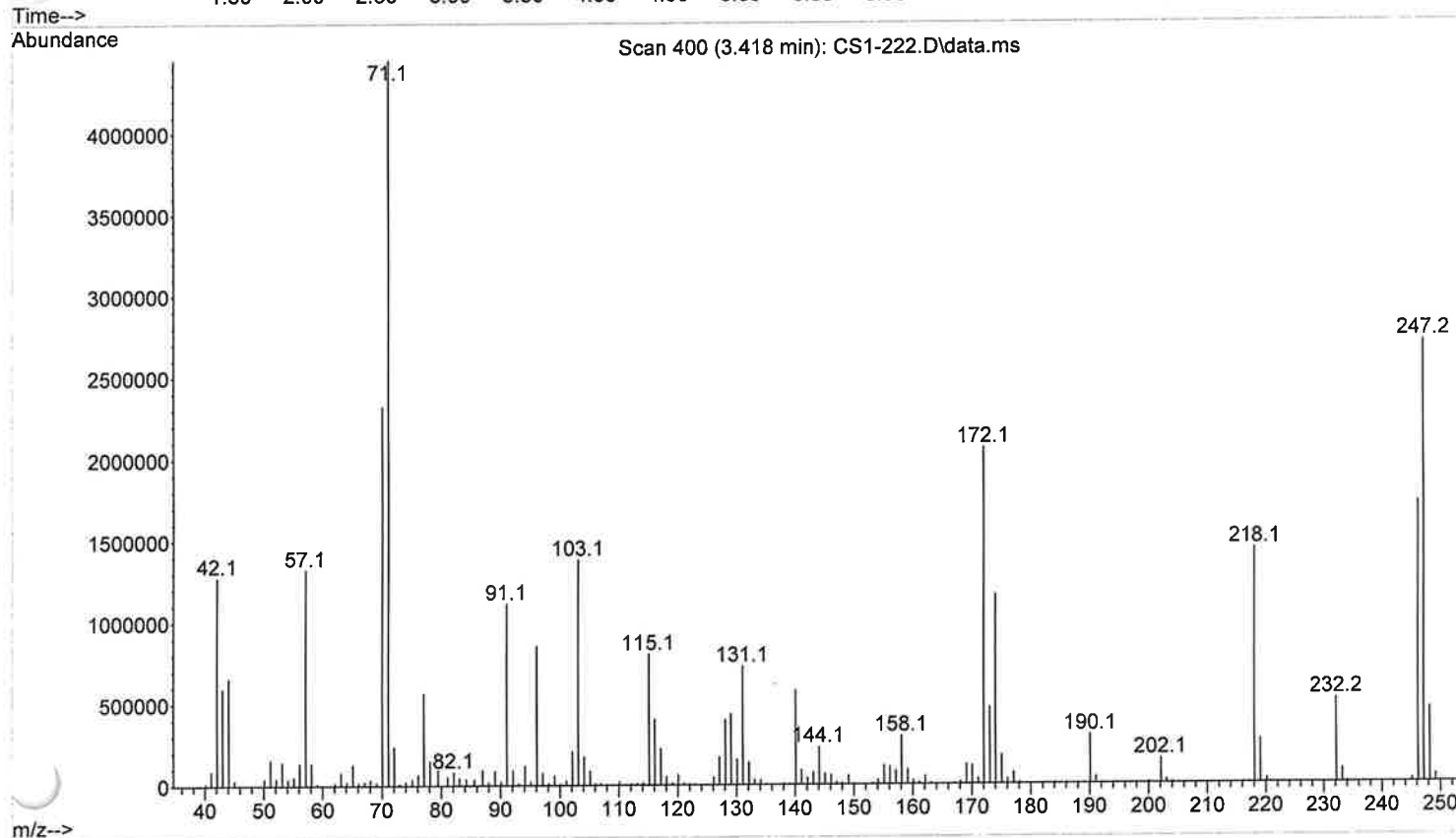
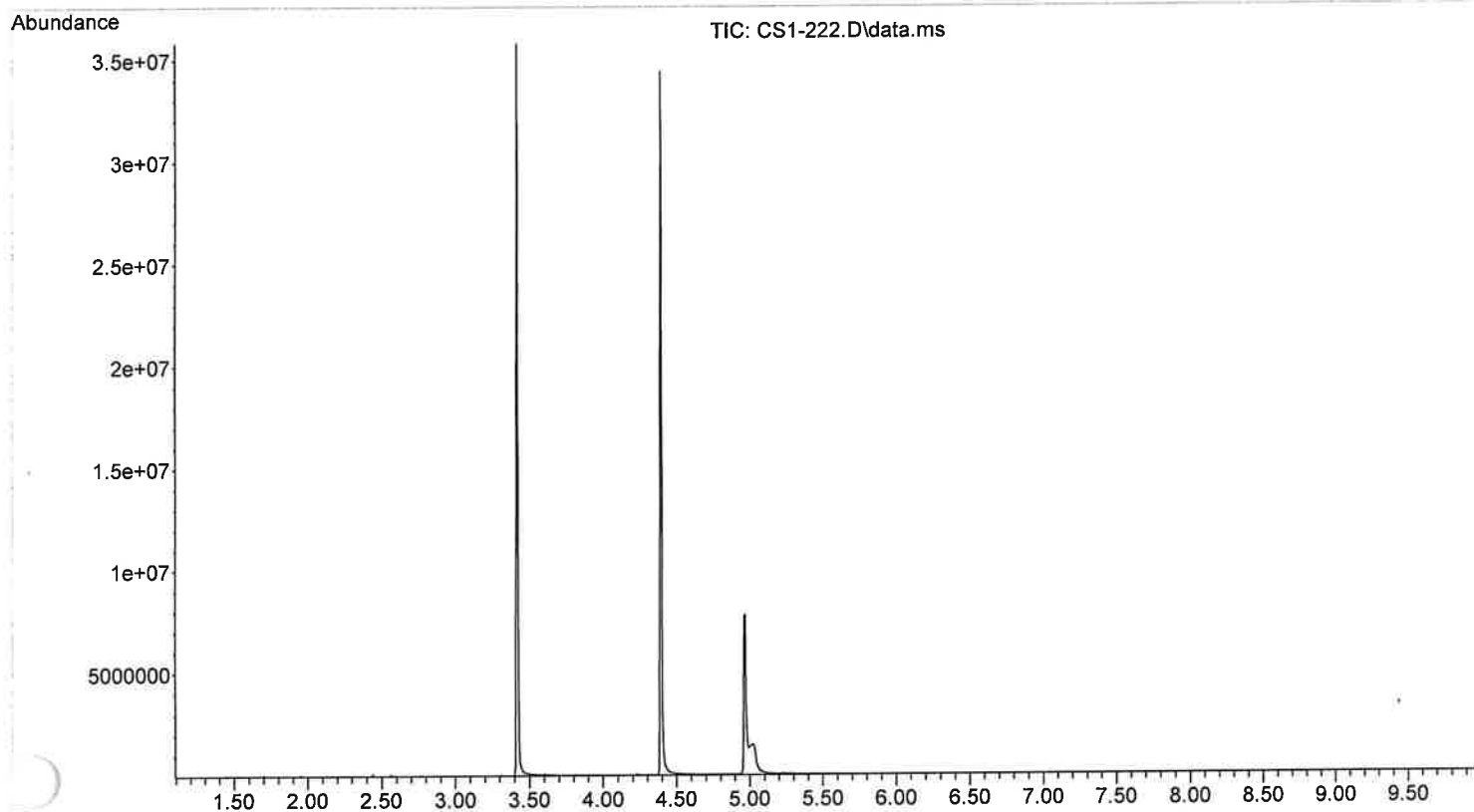
Mass Gain Values(Scan Speed): -560(3) -551(2) -533(1) -509(0) -456(FS1) -455(FS2)

TARGET MASS:	50	69	131	219	414	502	1050
Amu Offset	119.7	119.7	119.7	119.7	119.7	119.7	119.7
Entrance Lens Offset	16.8	16.8	16.8	16.8	16.8	16.8	16.8

Report Created: 2/22/2023 2:36 PM (UTC-06:00)

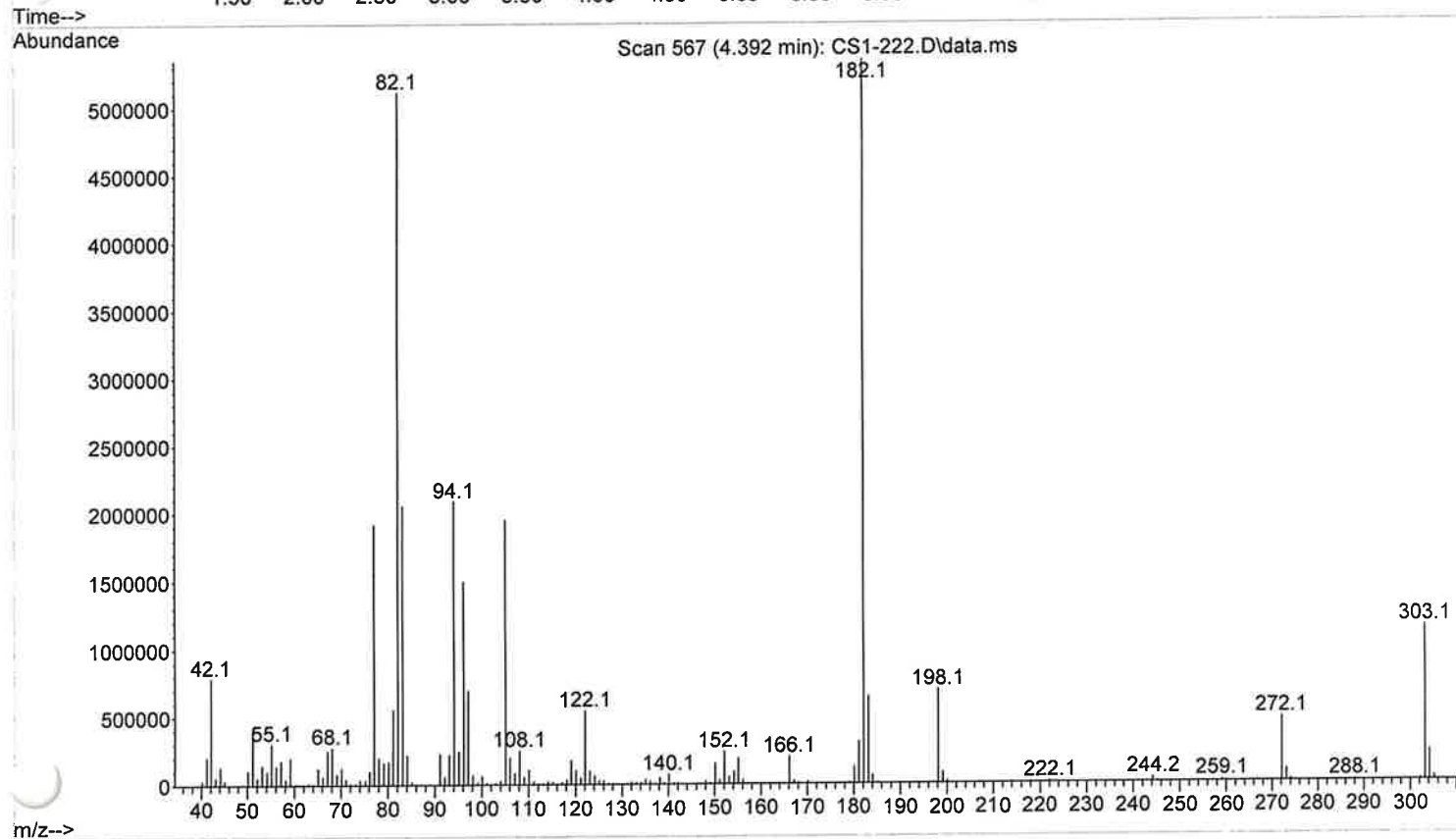
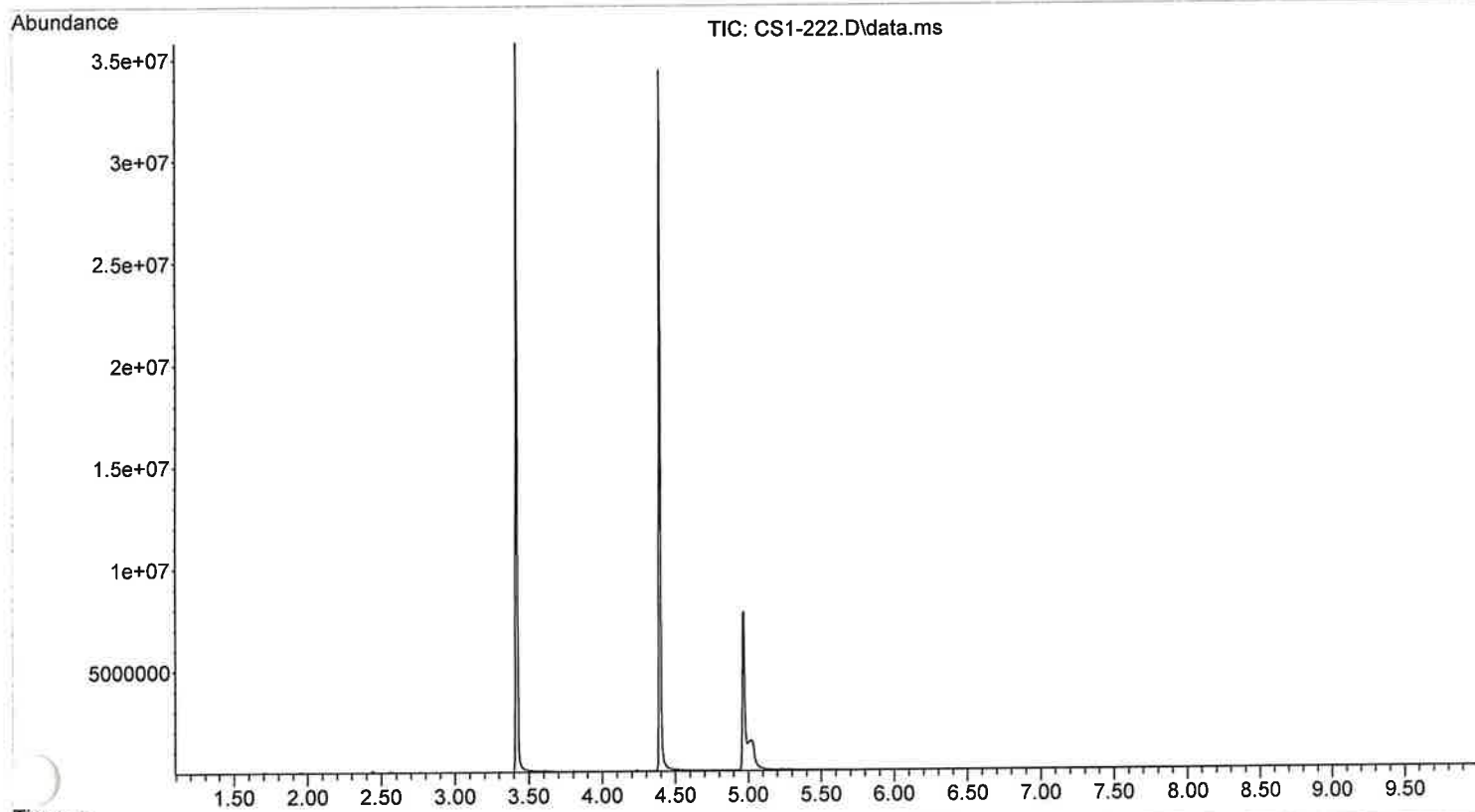
GC 2-22-2023

File :X:\2023\GJG\CS1-222.D
Operator :
Acquired : 22 Feb 2023 14:53 using AcqMethod ASMSDRUGS100.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD -- 100-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 2



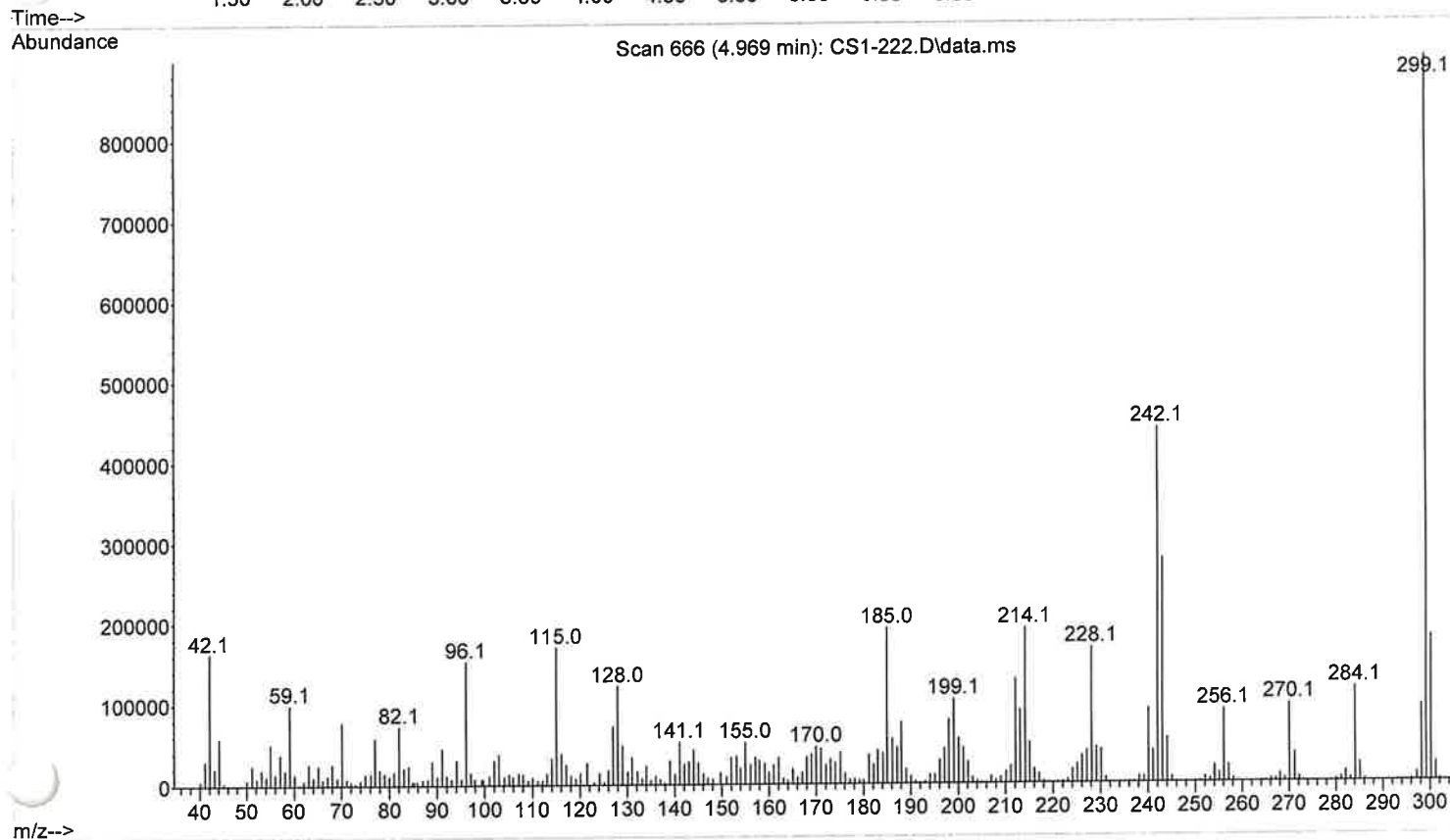
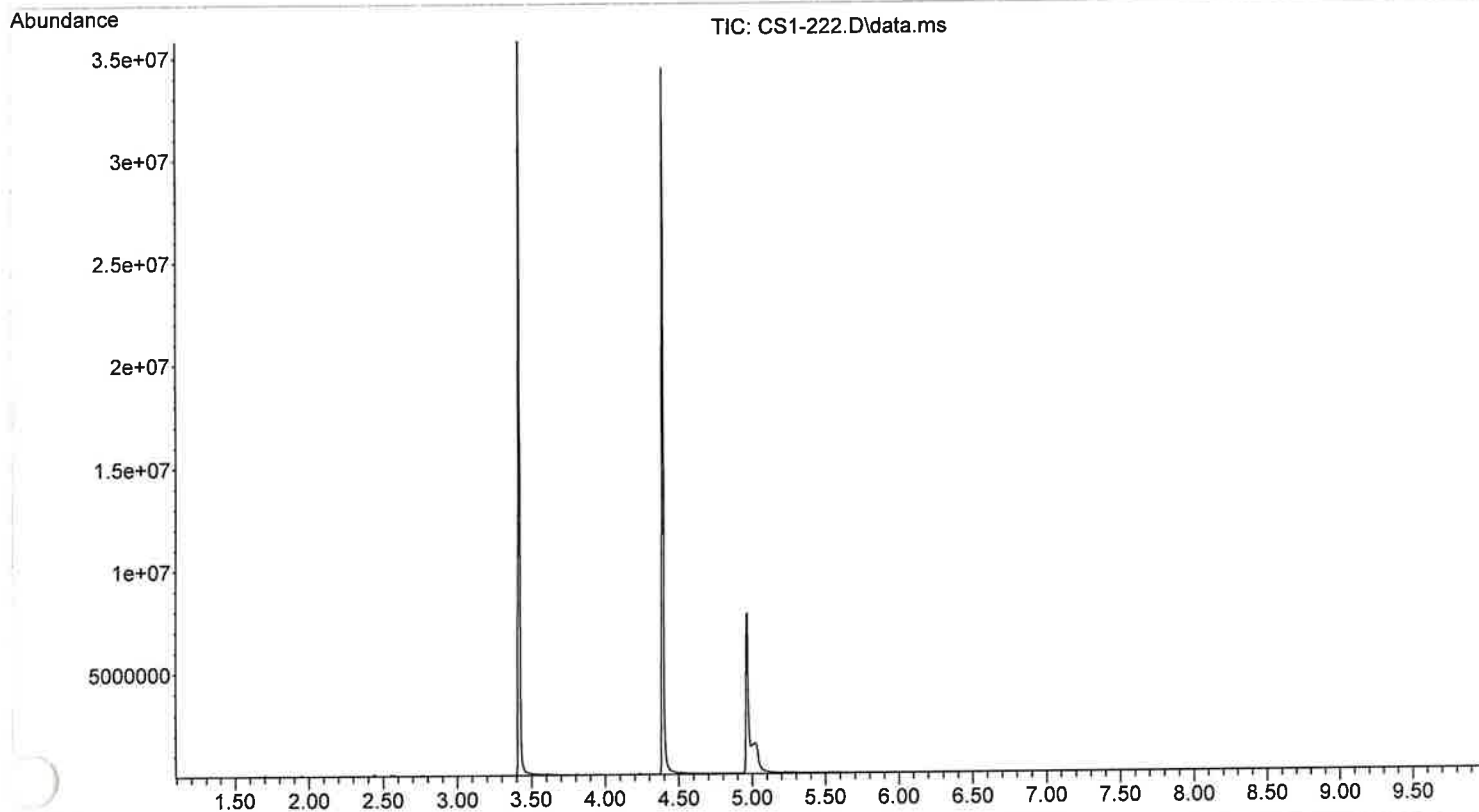
GJG 2-22-2023

File :X:\2023\GJG\CS1-222.D
Operator :
Acquired : 22 Feb 2023 14:53 using AcqMethod ASMSDRUGS100.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD -- 100-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 2



GJG 2-22-2023

File :X:\2023\GJG\CS1-222.D
Operator :
Acquired : 22 Feb 2023 14:53 using AcqMethod ASMSDRUGS100.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD -- 100-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 2



GJG 2-22-2023

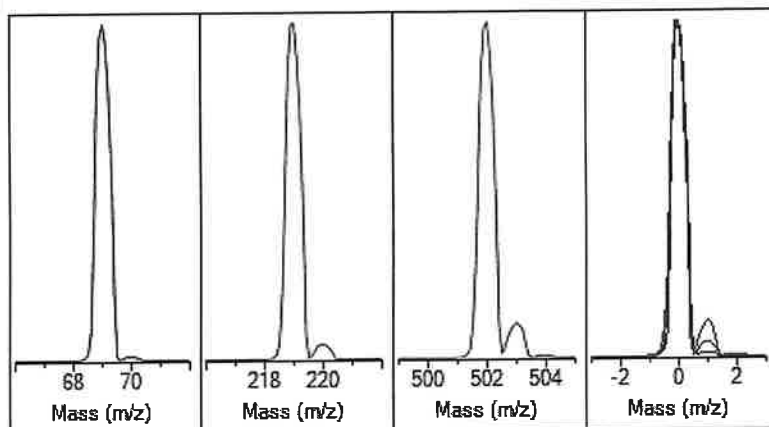
Autotune - 5975

Tune timestamp: 2/16/2023 1:39 PM (UTC-06:00)

Eggroll

C:\MASSHUNTER\GCMS\1\5975\atune.u

US61633037

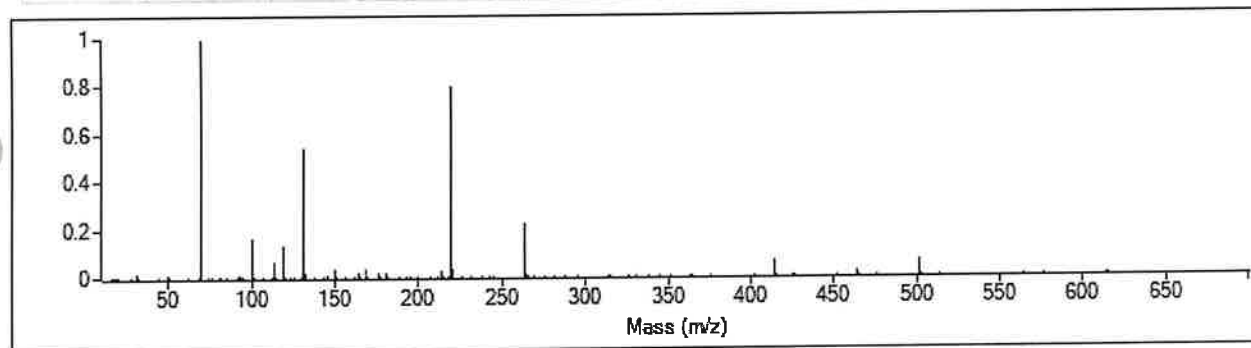


Ion Polarity	Pos	PFTBA	Open
Emission	34.6	Mass Gain	-567
Electron Energy	70.3	Mass Offset	-35
Filament	1	Amu Gain	2123
Repeller	34.96	Amu Offset	119.44
Ion Focus	82.6	Width219	-0.024
Entrance Lens	25.5	DC Polarity	Pos
Ent Lens Offset	16.82	HED Enable	On
		EM Volts	1471
		Scan Speed	3
JetClean Flow Actual/[Setpoint]	0.00 [0.00]	Averages	3

Actual m/z	Abund	Rel Abund	Pw50
69.00	428,758	100.0%	0.60
219.00	343,839	80.2%	0.60
502.00	26,217	6.1%	0.61

Temperatures and Pressures			
MS Source	230	Turbo Speed	100.0
MS Quad	150	Hi Vac	7.75e-06

Low	High	Step	Speed	Threshold	Peaks	Base	Abundance	Total Ion
10.00	701.00	0.10	3	100	106	69.00	412,416	1,428,976



Target m/z	Actual m/z	Abund	Rel Abund	Iso m/z	Iso Abund	Iso Ratio
69.00	69.00	412,416	100.0%	70.00	4,511	1.1%
219.00	219.00	330,304	80.1%	220.00	14,665	4.4%
502.00	502.00	25,568	6.2%	503.00	2,498	9.8%

Air/Water Check: H2O ~0.4% N2 ~0.4% O2 ~0.1% CO2 ~0.1% N2/H2O ~97.9%

Column(1) Flow: 0.83 Column(2): 3.30 ml/min Interface Temp: 280

Ramp Criteria:

Ion Focus maximum 90 volts using ion 502; Electron Multiplier Gain 24468.820

Repeller maximum 35 volts using ion 219; Gain Factor 0.2447

Mass Gain Values(Scan Speed): -562(3) -552(2) -536(1) -506(0) -454(FS1) -453(FS2)

TARGET MASS:	50	69	131	219	414	502	1050
Amu Offset	119.4	119.4	119.4	119.4	119.4	119.4	119.4
Entrance Lens Offset	16.8	16.8	16.8	16.8	16.8	16.8	16.8

Report Created: 2/16/2023 1:40 PM (UTC-06:00)

GGG 2-16-2023

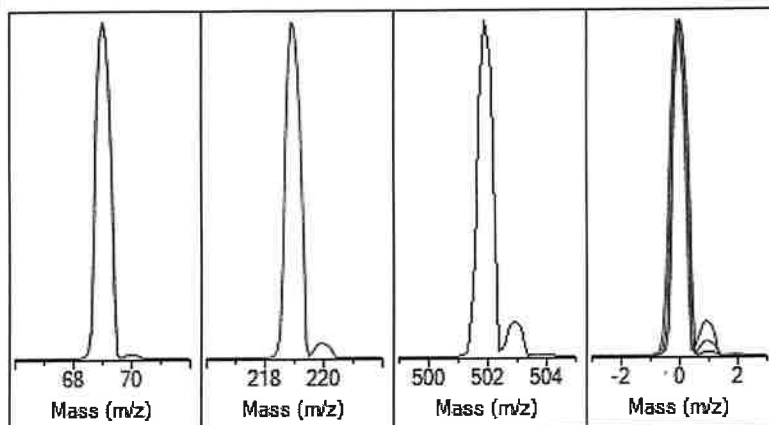
Autotune - 5975

Tune timestamp: 2/15/2023 4:32 PM (UTC-06:00)

Eggroll

C:\MASSHUNTER\GCMS\1\5975\atune.u

US61633037

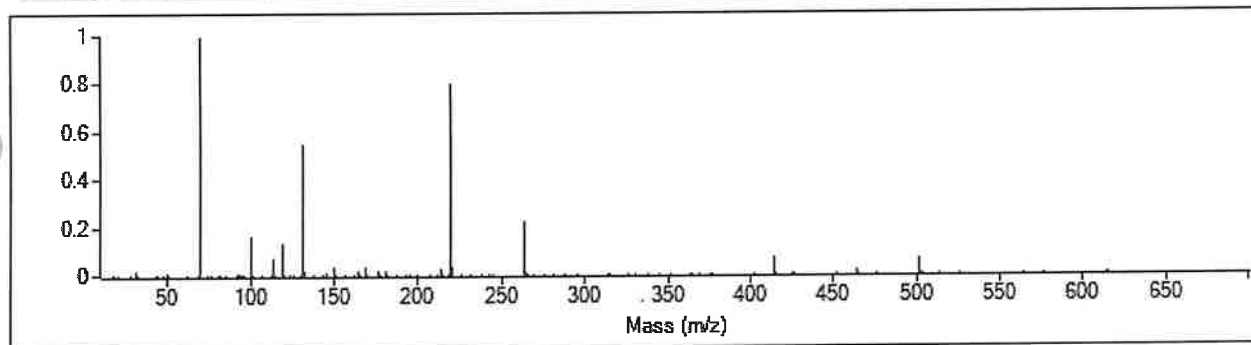


Ion Polarity	Pos	PFTBA	Open
Emission	34.6	Mass Gain	-579
Electron Energy	70.3	Mass Offset	-34
Filament	1	Amu Gain	2127
Repeller	34.96	Amu Offset	119.56
Ion Focus	83.5	Width219	-0.018
Entrance Lens	22.0	DC Polarity	Pos
Ent Lens Offset	18.07	HED Enable	On
		EM Volts	1435
		Scan Speed	3
JetClean Flow Actual/[Setpoint]	0.00 [0.00]	Averages	3

Actual m/z	Abund	Rel Abund	Pw50
69.00	481,350	100.0%	0.60
218.90	390,052	81.0%	0.60
501.90	31,246	6.5%	0.60

Temperatures and Pressures			
MS Source	230	Turbo Speed	100.0
MS Quad	150	Hi Vac	9.55e-06

Low	High	Step	Speed	Threshold	Peaks	Base	Abundance	Total Ion
10.00	701.00	0.10	3	100	111	69.00	463,232	1,607,281



Target m/z	Actual m/z	Abund	Rel Abund	Iso m/z	Iso Abund	Iso Ratio
69.00	69.00	463,232	100.0%	70.00	5,104	1.1%
219.00	219.00	370,624	80.0%	220.00	16,230	4.4%
502.00	502.00	29,776	6.4%	503.00	3,053	10.3%

Air/Water Check: H2O ~0.2% N2 ~0.4% O2 ~0.1% CO2 ~0.1% N2/H2O ~169.7%

Column(1) Flow: 0.82 Column(2): 1.83 ml/min Interface Temp: 280

Ramp Criteria:

Ion Focus maximum 90 volts using ion 502; Electron Multiplier Gain 18211.390

Repeller maximum 35 volts using ion 219; Gain Factor 0.1821

Mass Gain Values(Scan Speed): -566(3) -557(2) -539(1) -509(0) -430(FS1) -429(FS2)

TARGET MASS:	50	69	131	219	414	502	1050
Amu Offset	119.6	119.6	119.6	119.6	119.6	119.6	119.6
Entrance Lens Offset	18.1	18.1	18.1	18.1	18.1	18.1	18.1

Report Created: 2/15/2023 4:32 PM (UTC-06:00)

GG 2-15-2023

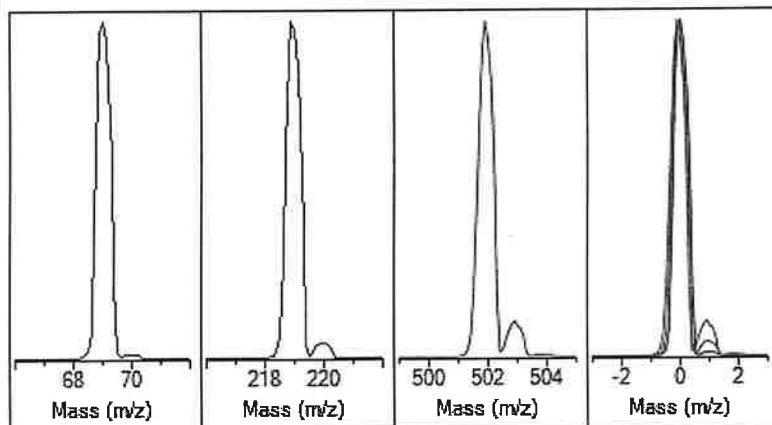
Autotune - 5975

Tune timestamp: 2/10/2023 3:18 PM (UTC-06:00)

Eggroll

C:\MASSHUNTER\GCMS\1\5975\atune.u

US61633037

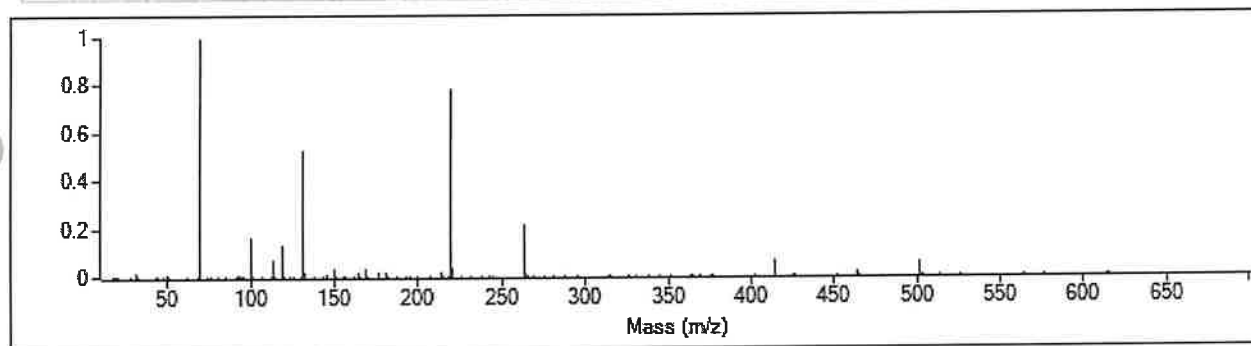


Ion Polarity	Pos	PFTBA	Open
Emission	34.6	Mass Gain	-579
Electron Energy	70.3	Mass Offset	-34
Filament	1	Amu Gain	2127
Repeller	34.96	Amu Offset	119.38
Ion Focus	83.5	Width219	-0.019
Entrance Lens	25.5	DC Polarity	Pos
Ent Lens Offset	16.82	HED Enable	On
		EM Volts	1459
		Scan Speed	3
JetClean Flow Actual/[Setpoint]	0.00 [0.00]	Averages	3

Actual m/z	Abund	Rel Abund	Pw50
69.00	399,970	100.0%	0.60
218.90	315,901	79.0%	0.60
501.90	24,675	6.2%	0.60

Temperatures and Pressures			
MS Source	230	Turbo Speed	100.0
MS Quad	150	Hi Vac	7.23e-06

Low	High	Step	Speed	Threshold	Peaks	Base	Abundance	Total Ion
10.00	701.00	0.10	3	100	110	69.00	386,112	1,320,049



Target m/z	Actual m/z	Abund	Rel Abund	Iso m/z	Iso Abund	Iso Ratio
69.00	69.00	386,112	100.0%	70.00	4,169	1.1%
219.00	219.00	302,784	78.4%	220.00	12,955	4.3%
502.00	502.00	23,328	6.0%	503.00	2,465	10.6%

Air/Water Check: H2O ~0.5% N2 ~0.5% O2 ~0.2% CO2 ~0.1% N2/H2O ~87.8%

Column(1) Flow: 0.83 Column(2): 3.30 ml/min Interface Temp: 280

Ramp Criteria:

Ion Focus maximum 90 volts using ion 502; Electron Multiplier Gain 22853.658

Repeller maximum 35 volts using ion 219; Gain Factor 0.2285

Mass Gain Values(Scan Speed): -566(3) -557(2) -541(1) -508(0) -421(FS1) -430(FS2)

TARGET MASS:	50	69	131	219	414	502	1050
Amu Offset	119.4	119.4	119.4	119.4	119.4	119.4	119.4
Entrance Lens Offset	16.8	16.8	16.8	16.8	16.8	16.8	16.8

Report Created: 2/10/2023 3:19 PM (UTC-06:00)

GG 2-10-2023

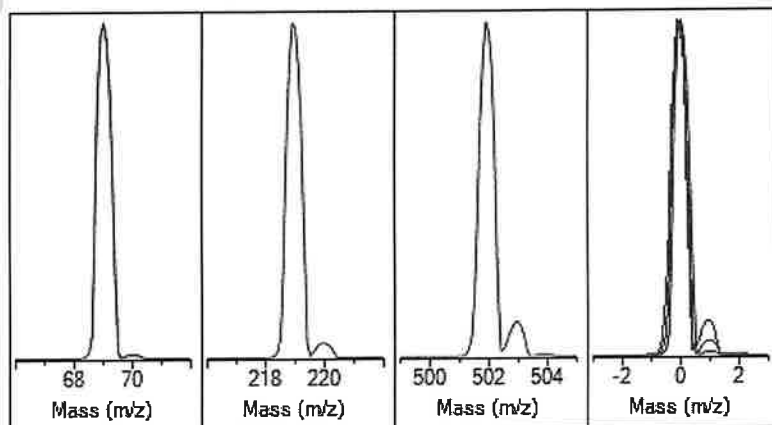
Autotune - 5975

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

Eggroll

C:\MASSHUNTER\GCMS\1\5975\atune.u

US61633037

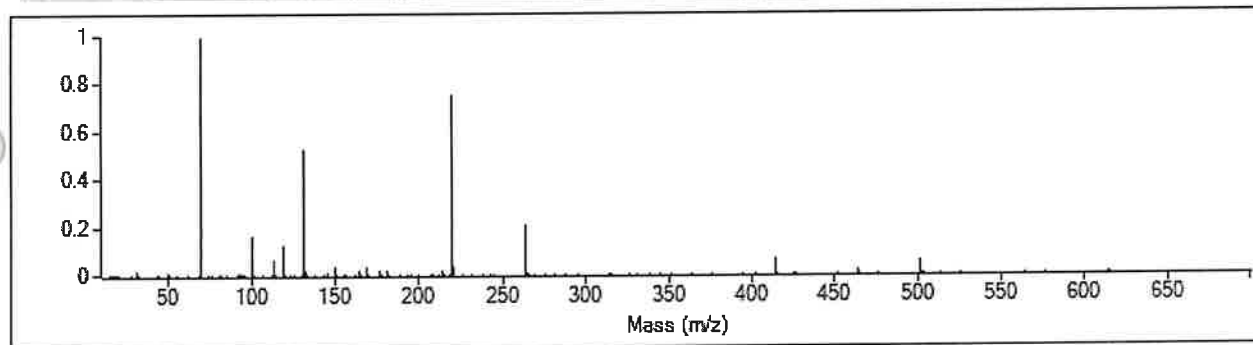


Ion Polarity	Pos	PFTBA	Open
Emission	34.6	Mass Gain	-579
Electron Energy	70.3	Mass Offset	-34
Filament	1	Amu Gain	2128
Repeller	34.96	Amu Offset	119.38
Ion Focus	84.5	Width219	-0.018
Entrance Lens	25.5	DC Polarity	Pos
Ent Lens Offset	16.82	HED Enable	On
		EM Volts	1435
		Scan Speed	3
JetClean Flow Actual/[Setpoint]	0.00 [0.00]	Averages	3

Actual m/z	Abund	Rel Abund	Pw50
69.00	414,581	100.0%	0.60
218.90	312,961	75.5%	0.60
501.90	23,876	5.8%	0.60

Temperatures and Pressures			
MS Source	230	Turbo Speed	100.0
MS Quad	150	Hi Vac	8.83e-06

Low	High	Step	Speed	Threshold	Peaks	Base	Abundance	Total Ion
10.00	701.00	0.10	3	100	116	69.00	398,464	1,335,434



Target m/z	Actual m/z	Abund	Rel Abund	Iso m/z	Iso Abund	Iso Ratio
69.00	69.00	398,464	100.0%	70.00	4,243	1.1%
219.00	219.00	300,224	75.3%	220.00	13,056	4.3%
502.00	502.00	22,352	5.6%	503.00	2,234	10.0%

Air/Water Check: H2O ~0.3% N2 ~0.6% O2 ~0.2% CO2 ~0.1% N2/H2O ~193.3%

Column(1) Flow: 0.83 Column(2): 3.30 ml/min Interface Temp: 280

Ramp Criteria:

Ion Focus maximum 90 volts using ion 502; Electron Multiplier Gain 19167.668

Repeller maximum 35 volts using ion 219; Gain Factor 0.1917

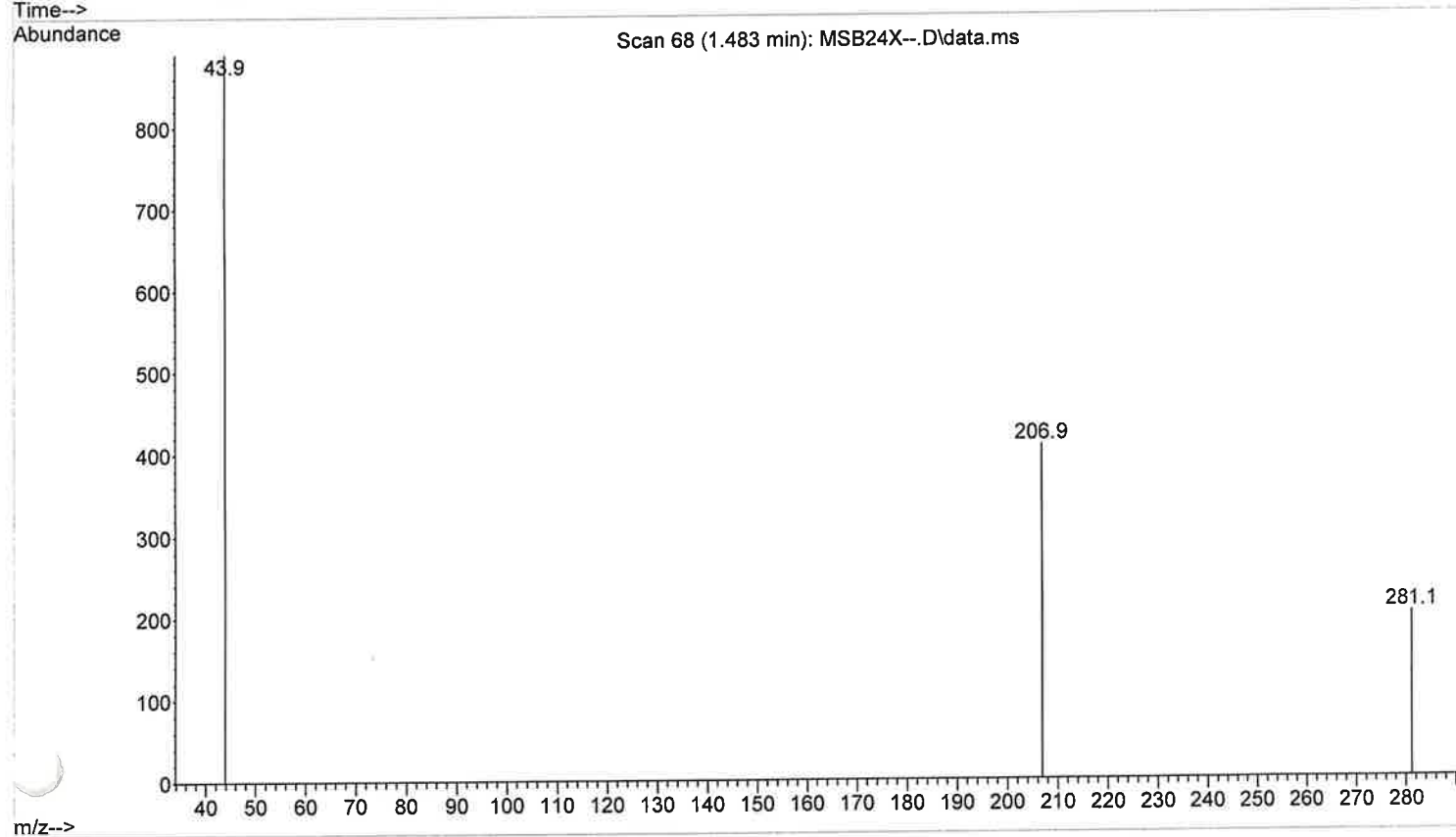
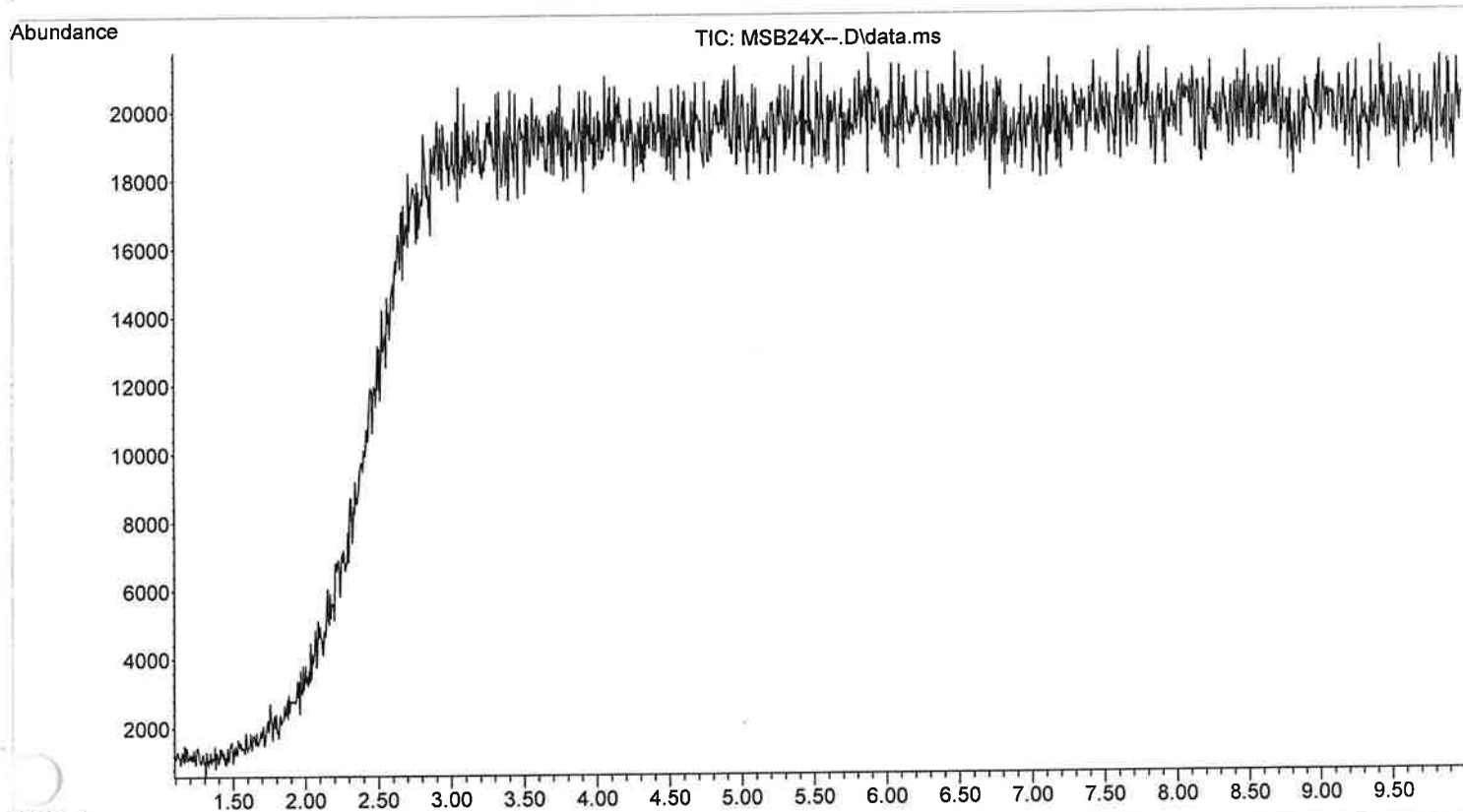
Mass Gain Values(Scan Speed): -565(3) -559(2) -541(1) -510(0) -422(FS1) -439(FS2)

TARGET MASS:	50	69	131	219	414	502	1050
Amu Offset	119.4	119.4	119.4	119.4	119.4	119.4	119.4
Entrance Lens Offset	16.8	16.8	16.8	16.8	16.8	16.8	16.8

Report Created: 2/3/2023 4:01 PM (UTC-06:00)

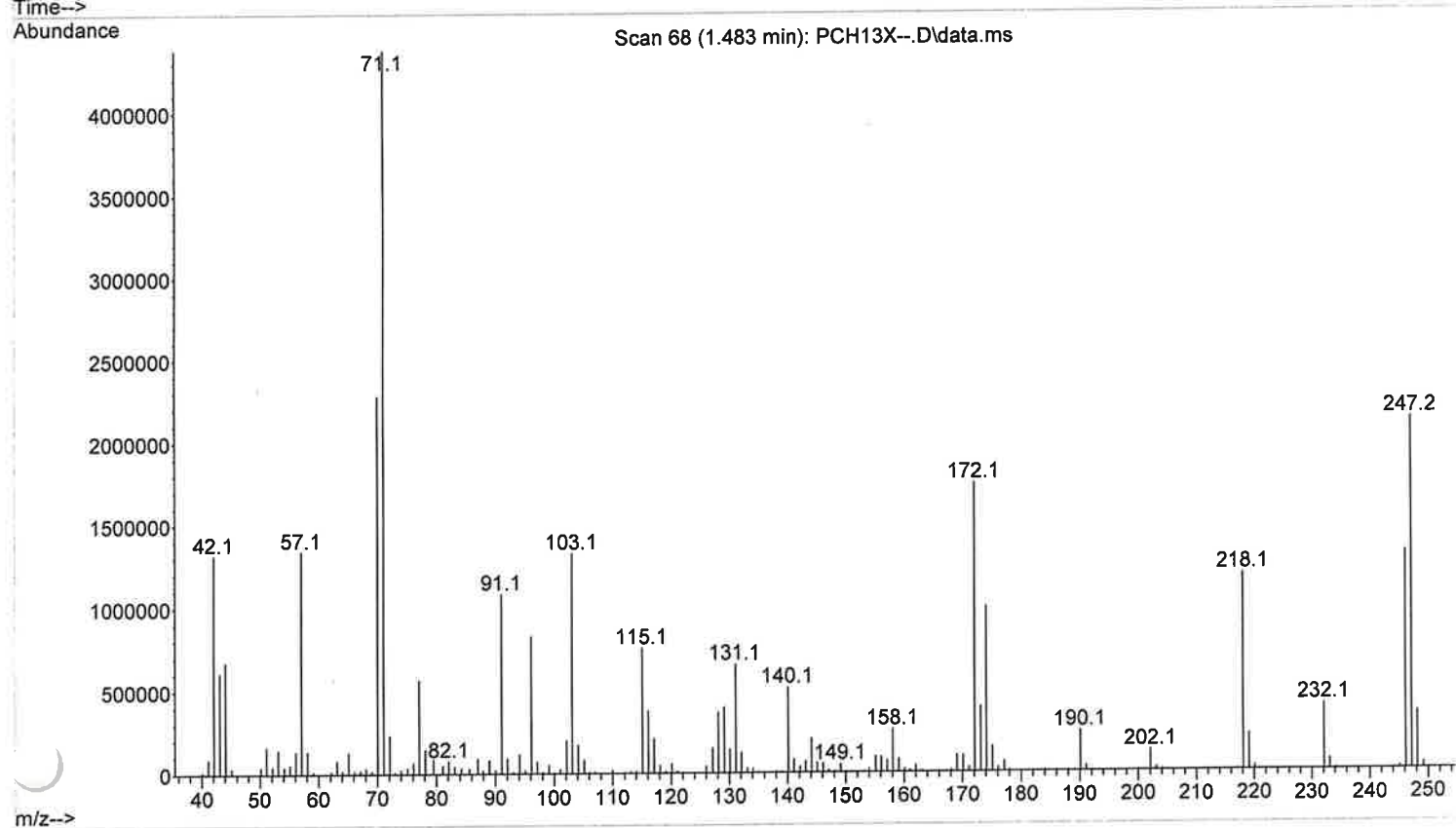
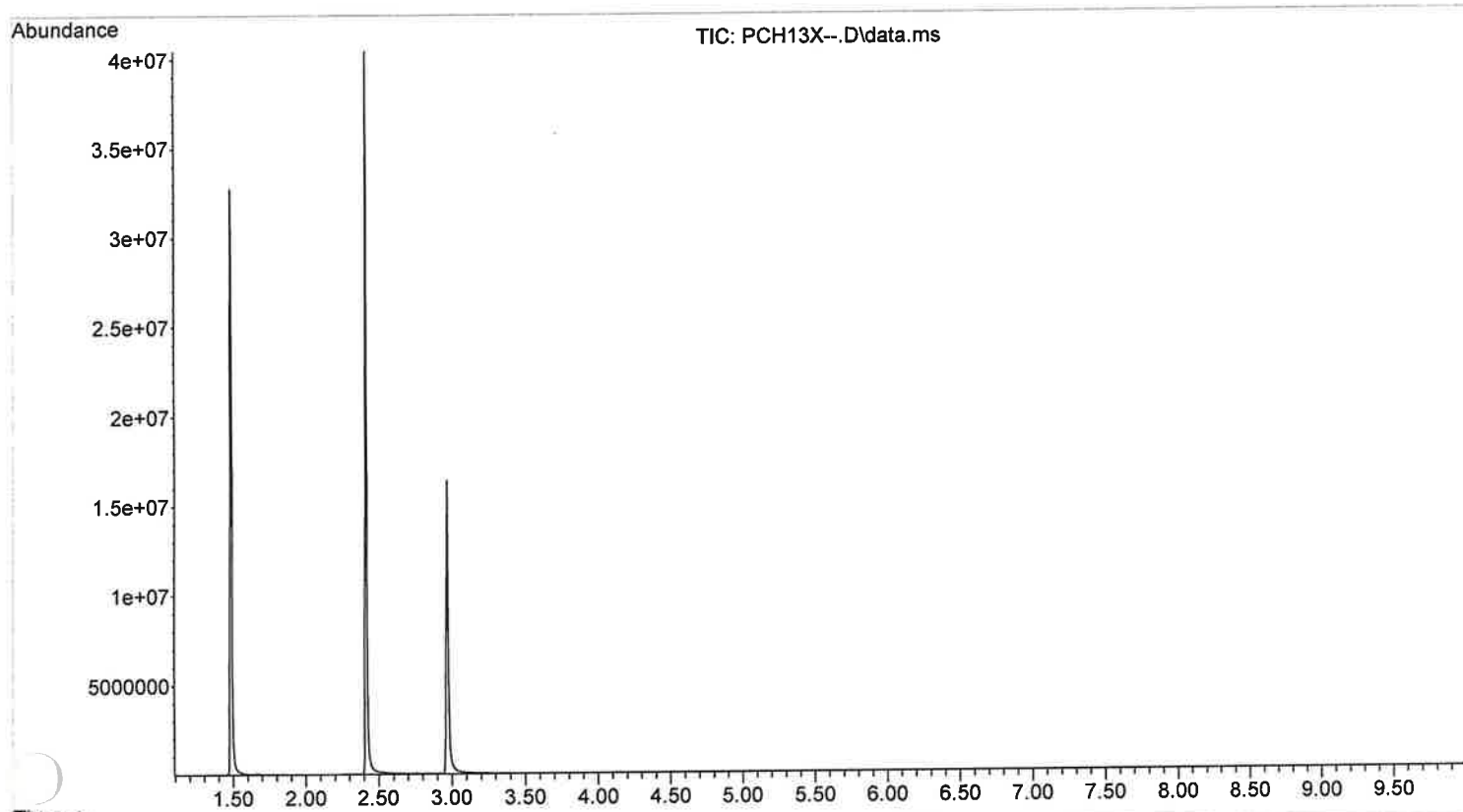
GG 2-3-2023

File :X:\2023\GJG\MSB24X--.D
Operator :
Acquired : 27 Feb 2023 10:55 using AcqMethod MSDRUGS200.M
Instrument : Eggroll
Sample Name: MEOH B FOR CALIBRATION STANDARD
Misc Info : 200-280
Via Number: 1



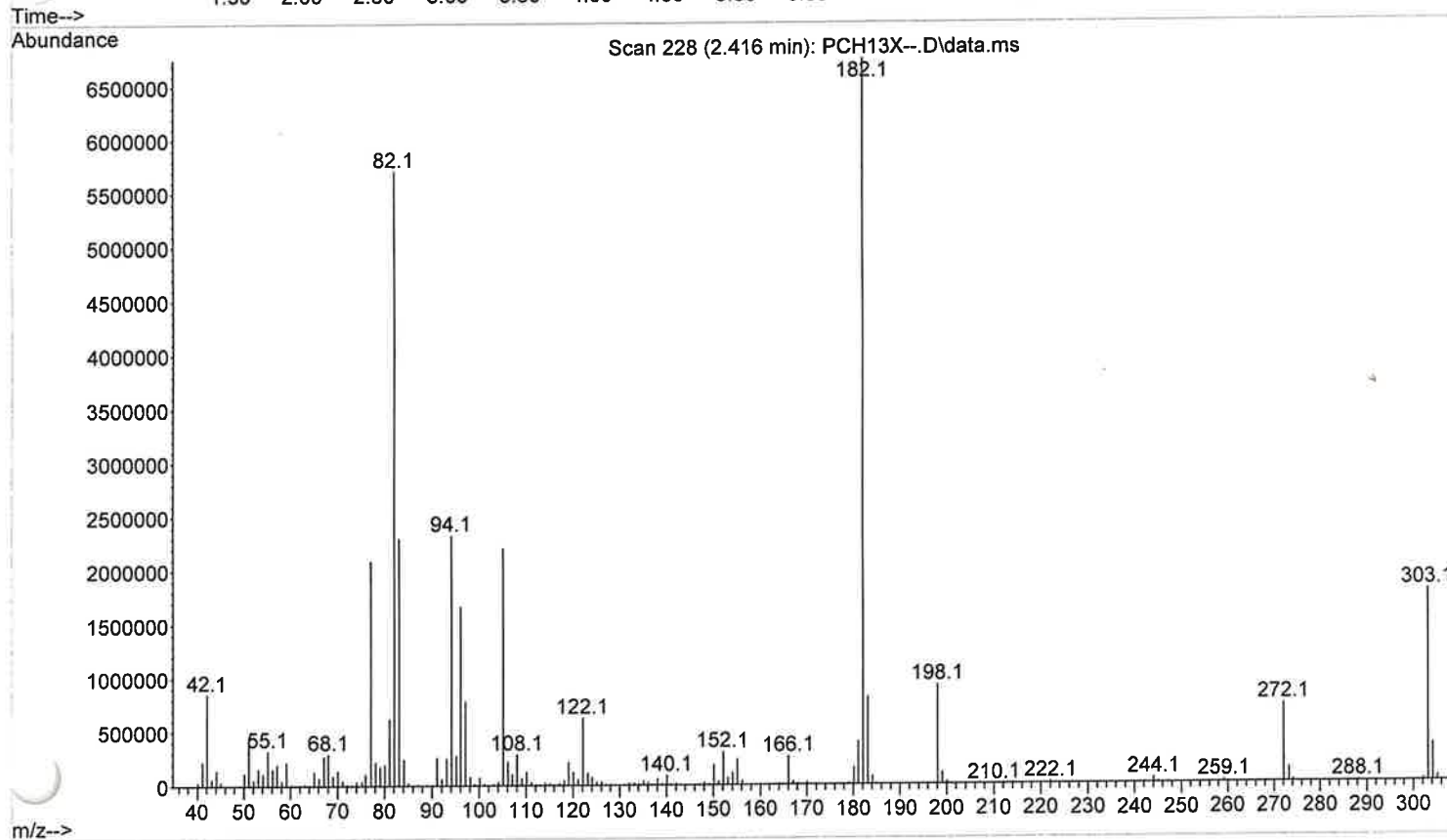
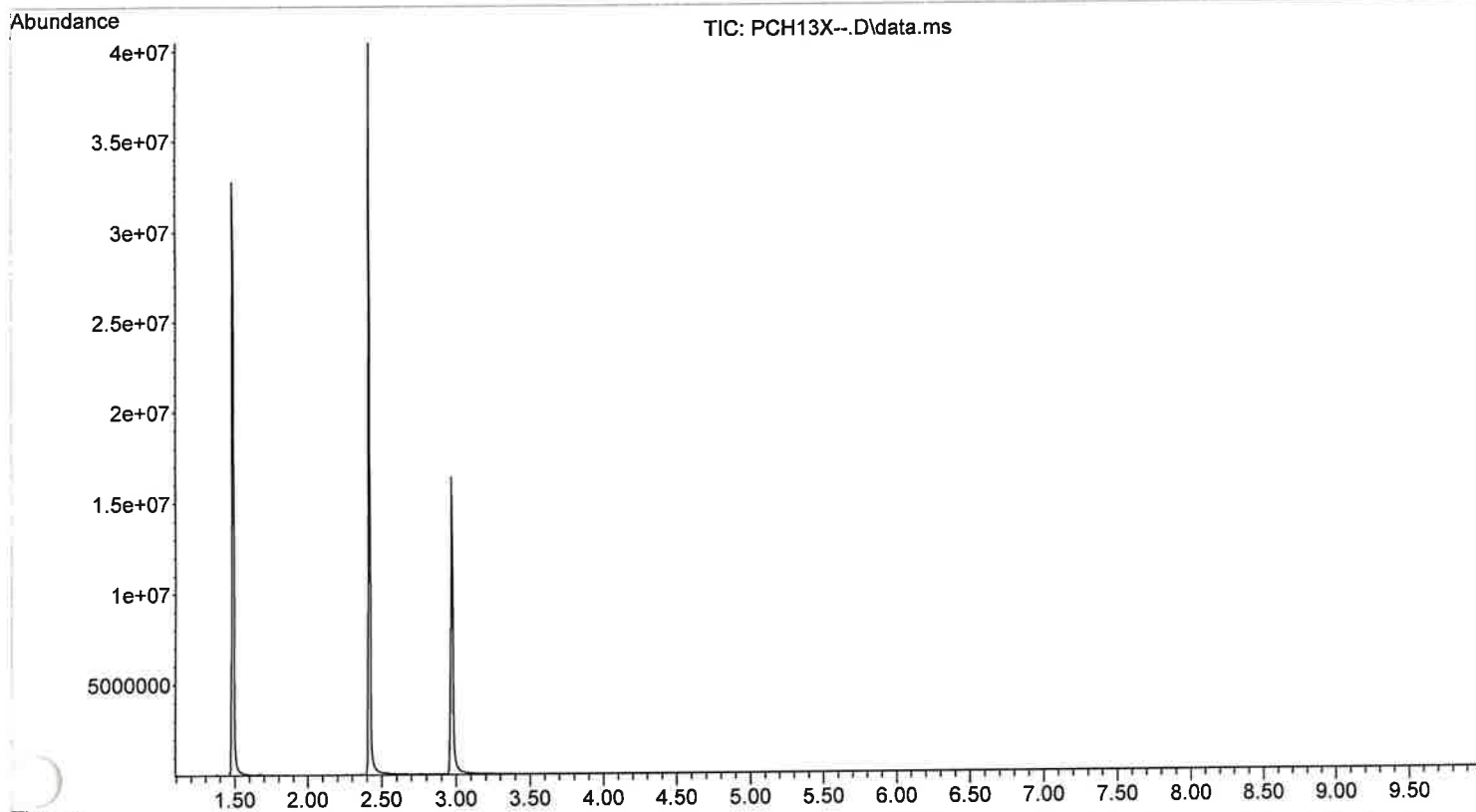
GJG 2-27-2023

File :X:\2023\GJG\PCH13X--.D
Operator :
Acquired : 27 Feb 2023 11:13 using AcqMethod MSDRUGS200.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD -- 200-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 1



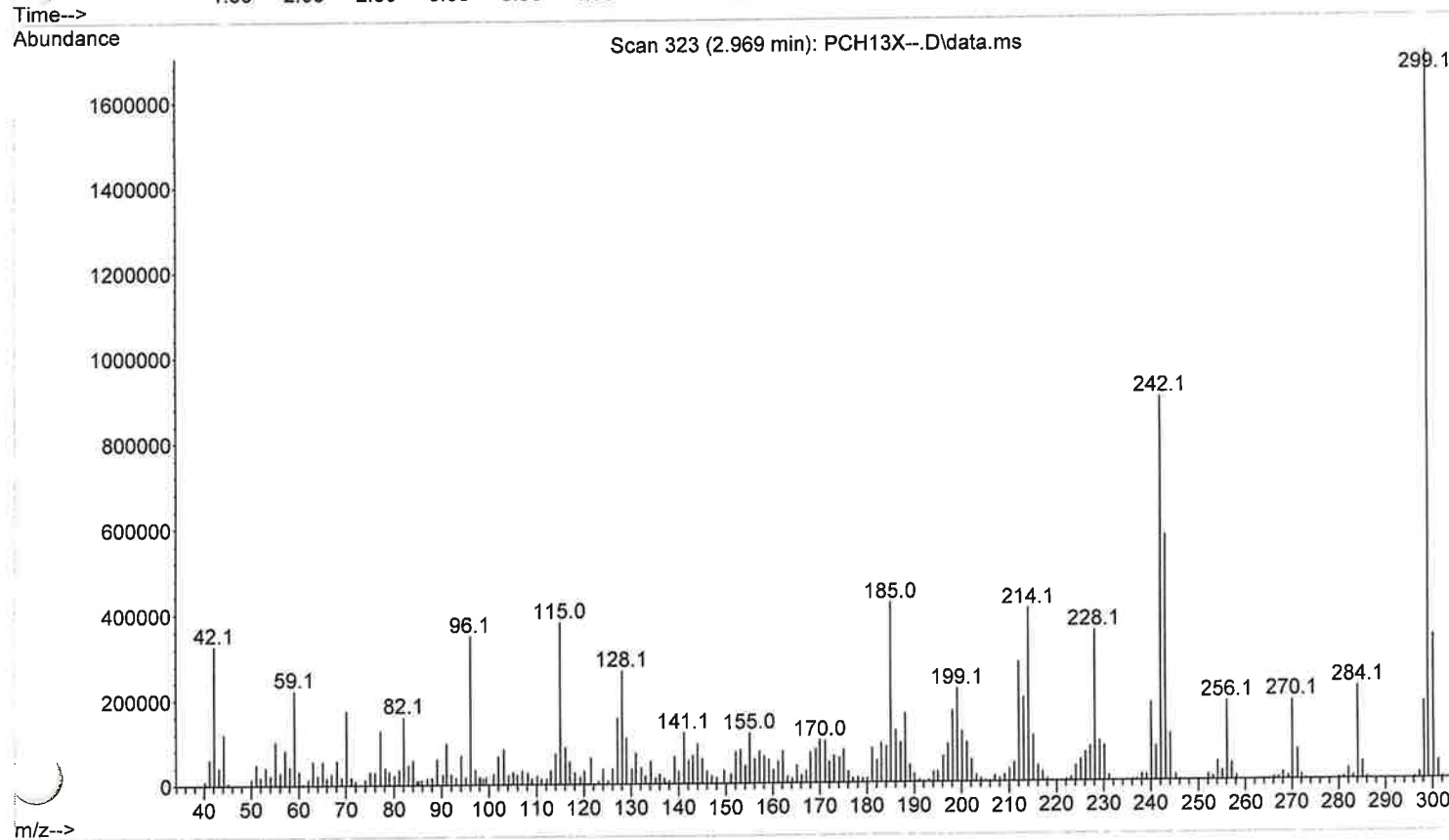
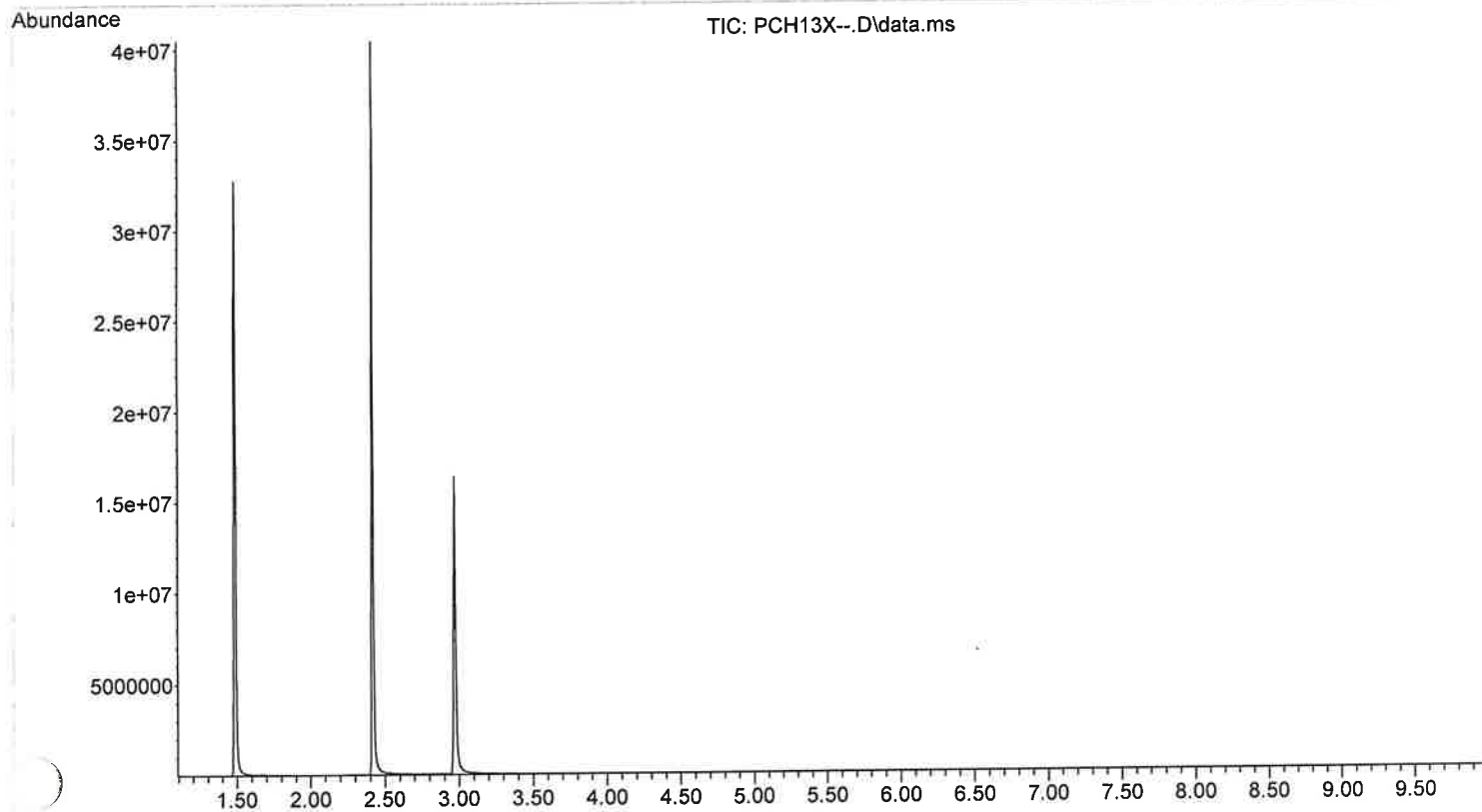
GJG 2-27-2023

File :X:\2023\GJG\PCH13X--.D
Operator :
Acquired : 27 Feb 2023 11:13 using AcqMethod MSDRUGS200.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD -- 200-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Via Number: 1



GJG 2-27-2023

File :X:\2023\GJG\PCH13X--.D
Operator :
Acquired : 27 Feb 2023 11:13 using AcqMethod MSDRUGS200.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD -- 200-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 1



GJG 2-27-2023

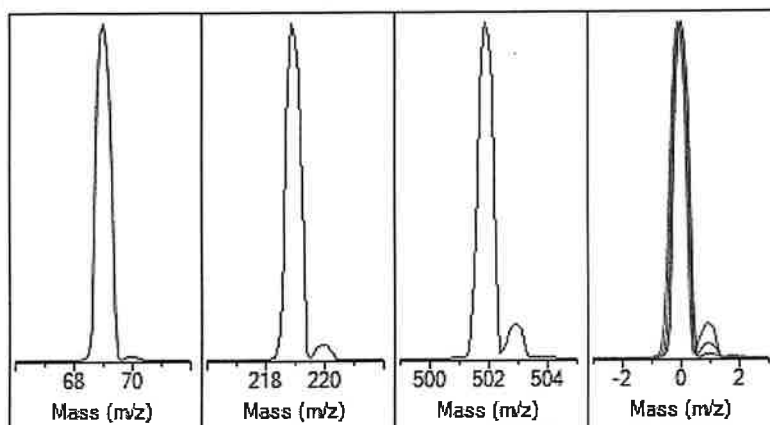
Autotune - 5975

Tune timestamp: 1/26/2023 3:03 PM (UTC-06:00)

Eggroll

C:\MASSHUNTER\GCMS\1\5975\atune.u

US61633037

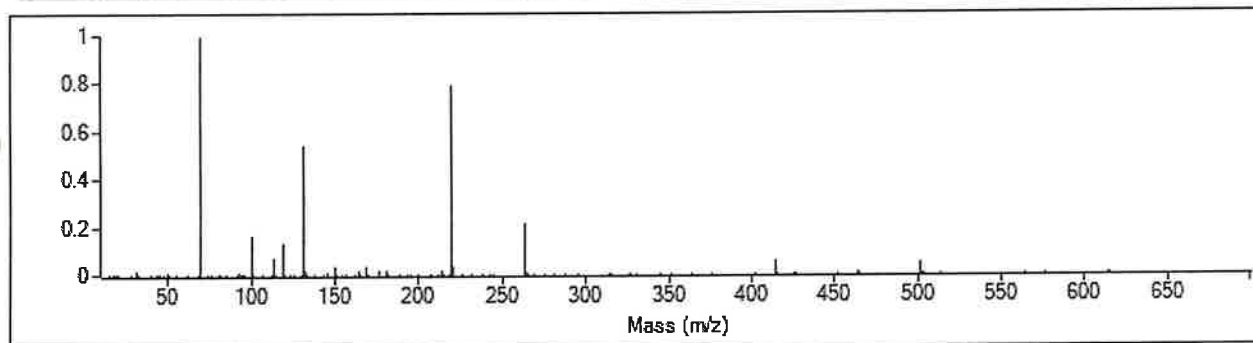


Ion Polarity	Pos	PFTBA	Open
Emission	34.6	Mass Gain	-580
Electron Energy	70.3	Mass Offset	-35
Filament	1	Amu Gain	2126
Repeller	34.96	Amu Offset	119.75
Ion Focus	83.5	Width219	-0.017
Entrance Lens	28.5	DC Polarity	Pos
Ent Lens Offset	16.56	HED Enable	On
		EM Volts	1518
		Scan Speed	3
JetClean Flow Actual/[Setpoint]	0.00 [0.00]	Averages	3

Actual m/z	Abund	Rel Abund	Pw50
69.00	462,980	100.0%	0.60
218.90	371,960	80.3%	0.60
501.90	23,238	5.0%	0.61

Temperatures and Pressures			
MS Source	230	Turbo Speed	100.0
MS Quad	150	HI Vac	6.00e-06

Low	High	Step	Speed	Threshold	Peaks	Base	Abundance	Total Ion
10.00	701.00	0.10	3	100	114	69.00	447,488	1,528,294



Target m/z	Actual m/z	Abund	Rel Abund	Iso m/z	Iso Abund	Iso Ratio
69.00	69.00	447,488	100.0%	70.00	5,177	1.2%
219.00	219.00	352,704	78.8%	220.00	15,497	4.4%
502.00	502.00	22,144	4.9%	503.00	2,232	10.1%

Air/Water Check: H2O ~0.5% N2 ~0.7% O2 ~0.3% CO2 ~0.1% N2/H2O ~162.5%

Column(1) Flow: 0.72 Column(2): 1.76 ml/min Interface Temp: 280

Ramp Criteria:

Ion Focus maximum 90 volts using ion 502; Electron Multiplier Gain 39867.284

Repeller maximum 35 volts using ion 219; Gain Factor 0.3987

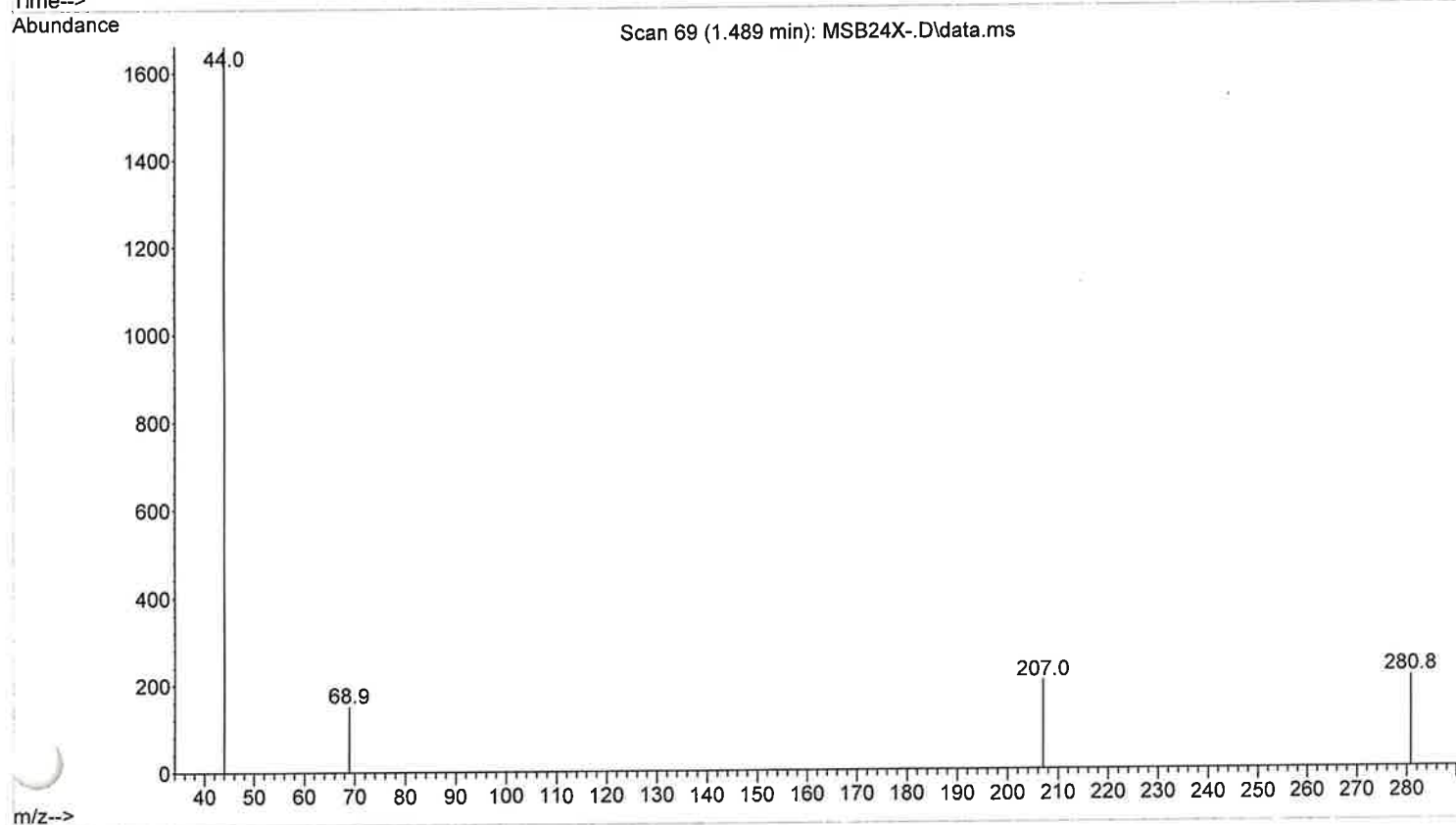
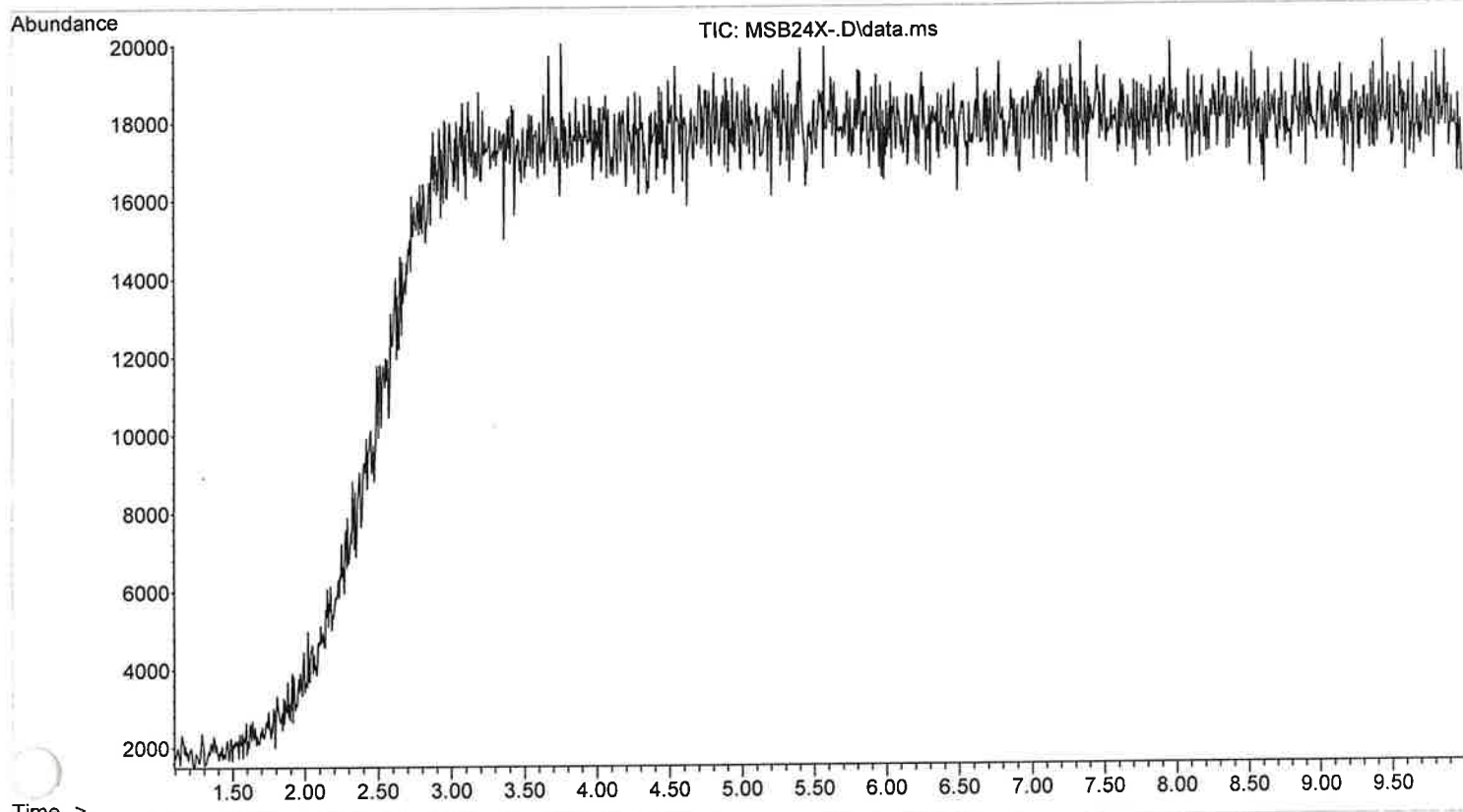
Mass Gain Values(Scan Speed): -563(3) -556(2) -540(1) -512(0) -459(FS1) -458(FS2)

TARGET MASS:	50	69	131	219	414	502	1050
Amu Offset	119.8	119.8	119.8	119.8	119.8	119.8	119.8
Entrance Lens Offset	16.6	16.6	16.6	16.6	16.6	16.6	16.6

Report Created: 1/26/2023 3:04 PM (UTC-06:00)

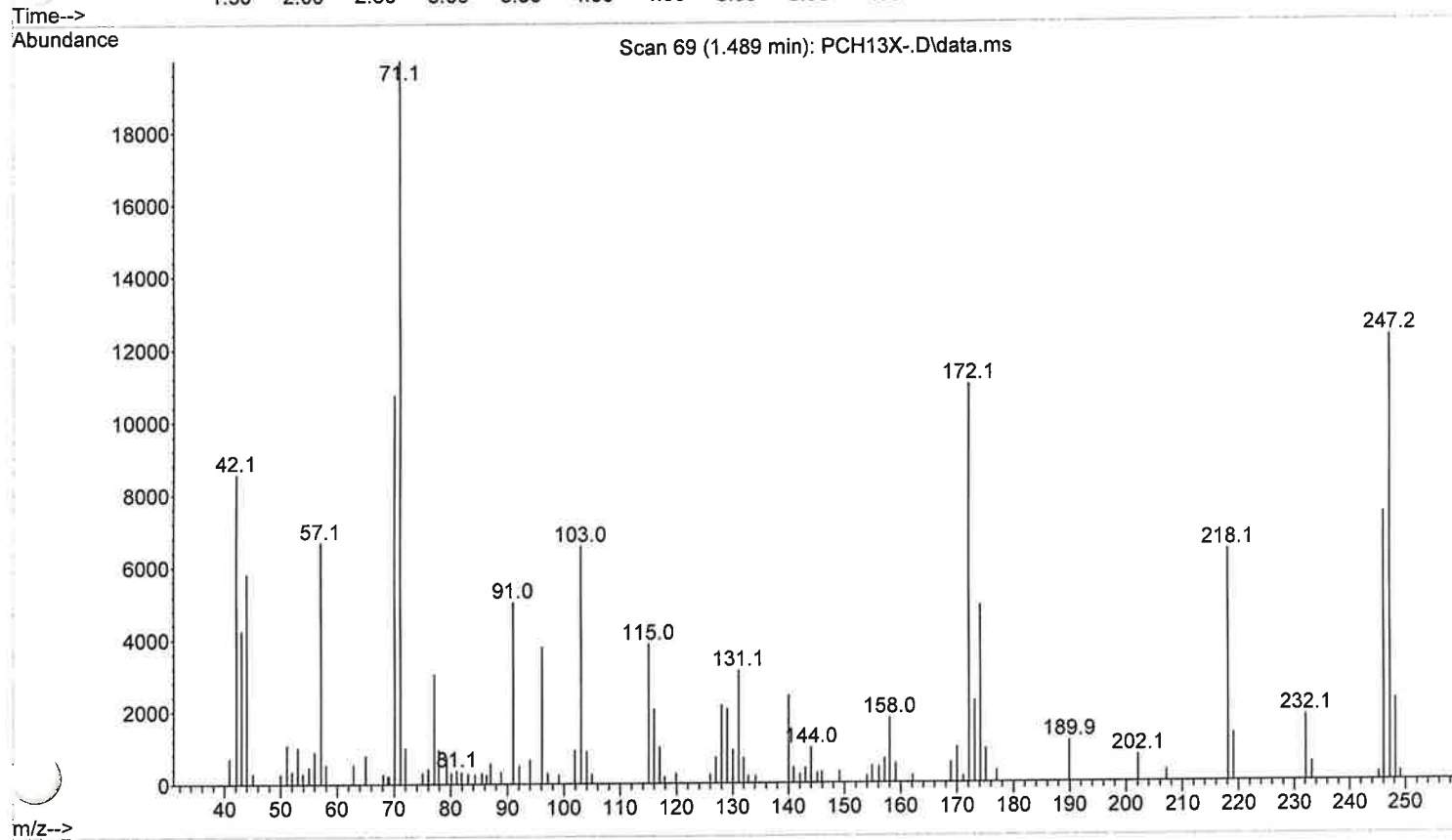
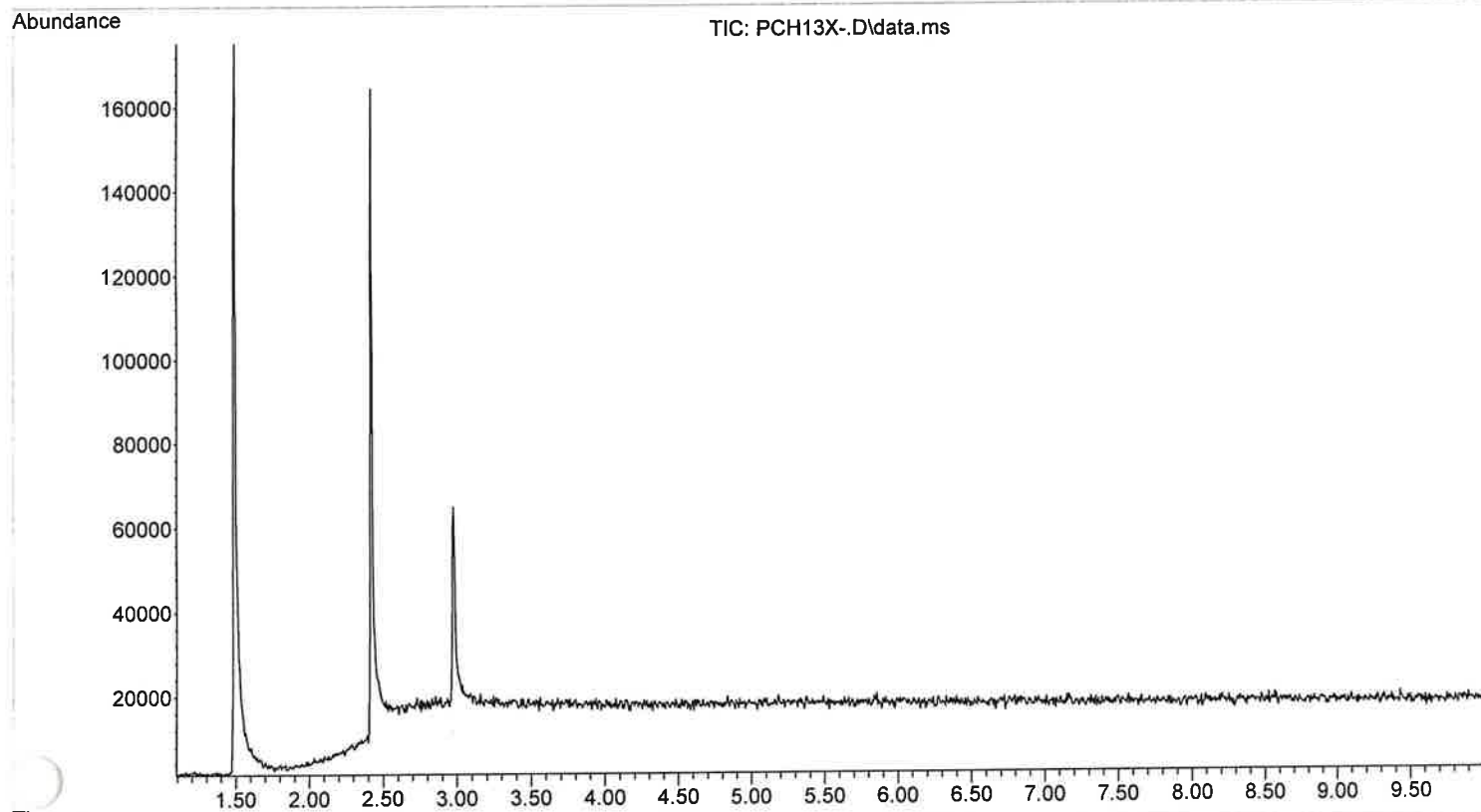
556 1-26-2023

File :X:\2023\GJG\MSB24X-.D
Operator :
Acquired : 22 Feb 2023 15:10 using AcqMethod MSDRUGS200.M
Instrument : Eggroll
Sample Name: MEOH B FOR CALIBRATION STANDARD
Misc Info : 200-280
Vial Number: 2



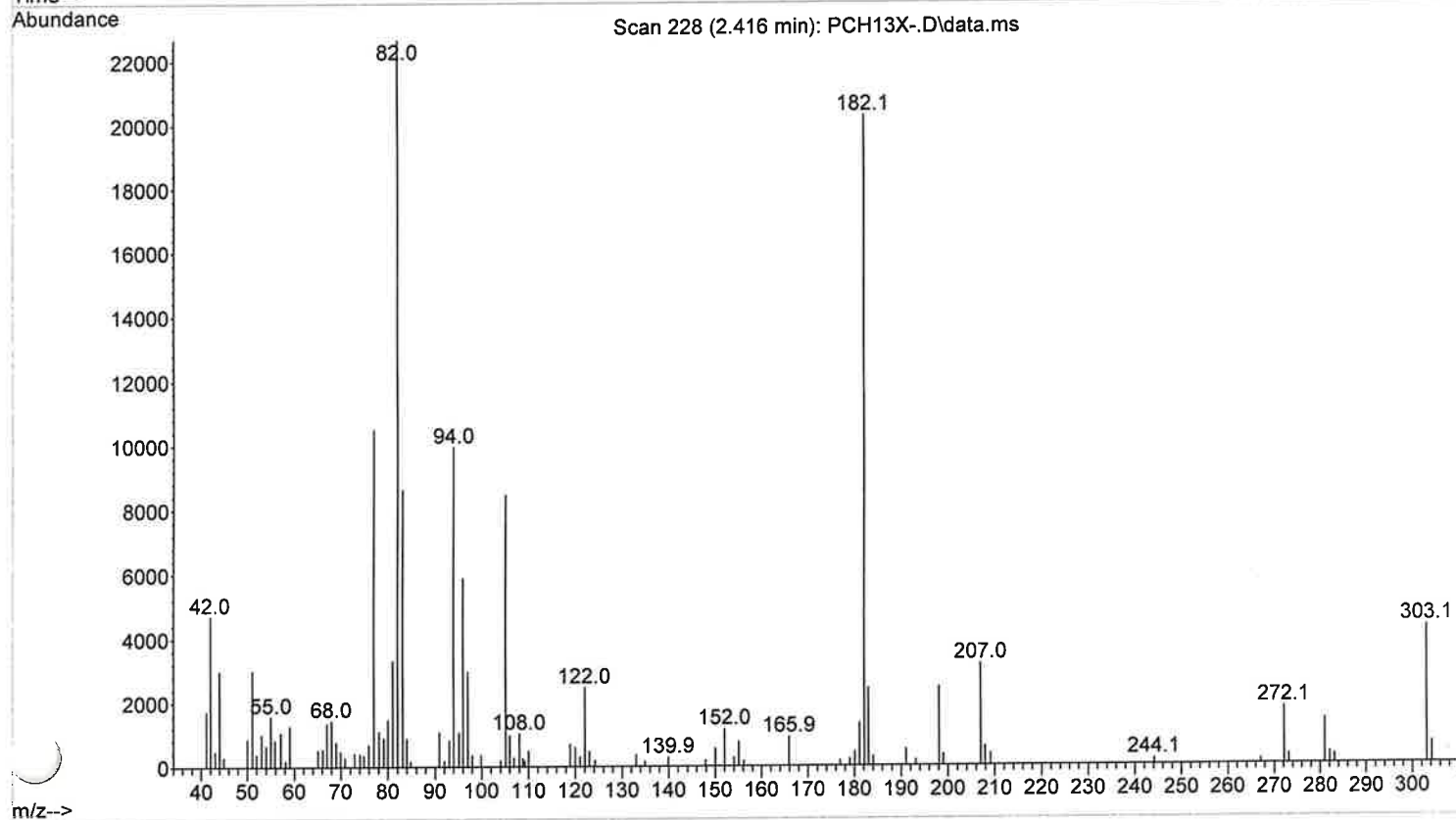
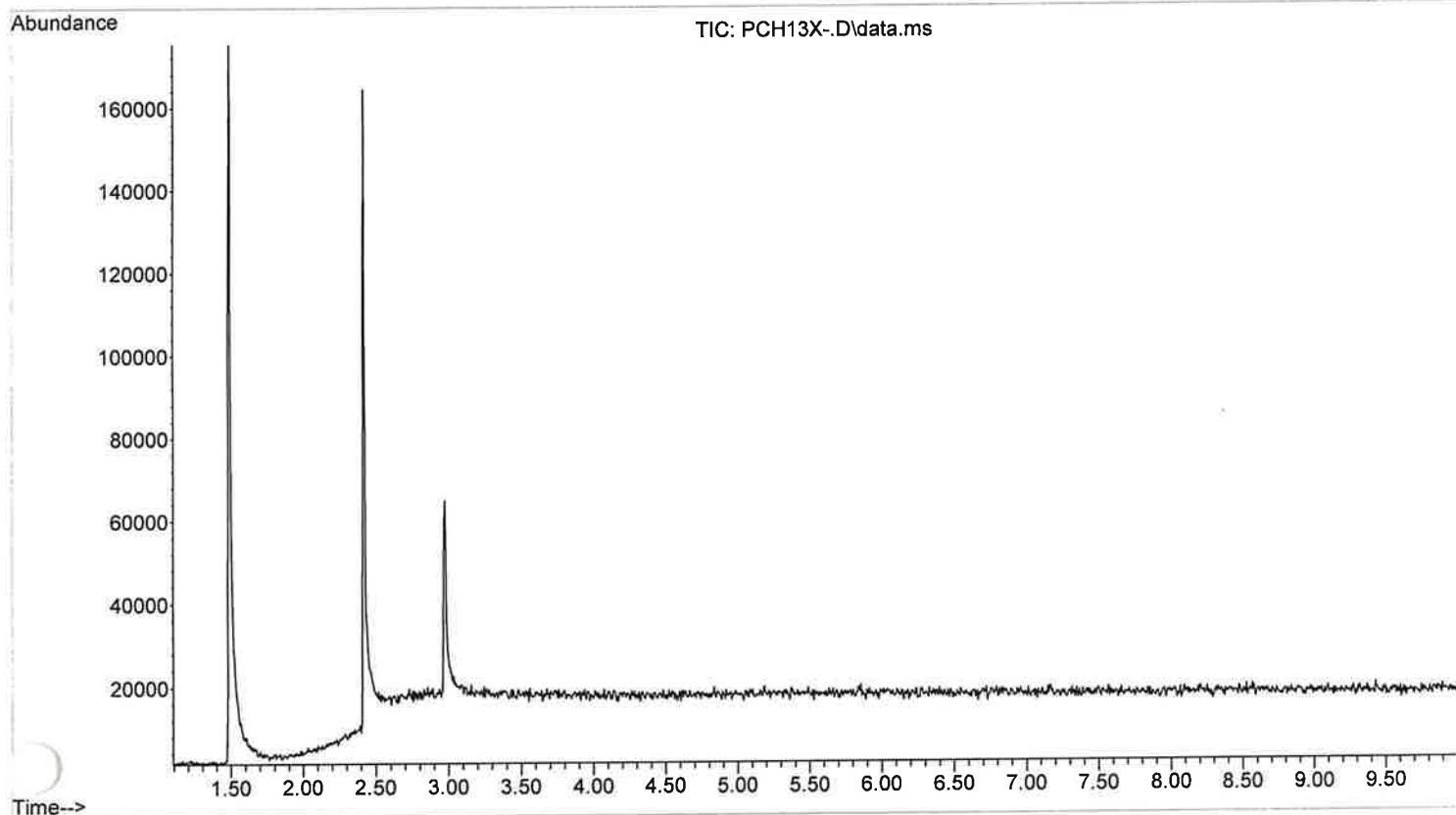
GJG 2-22-2023

File :X:\2023\GJG\PCH13X-.D
Operator :
Acquired : 22 Feb 2023 15:38 using AcqMethod MSDRUGS200.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD -- 200-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 2



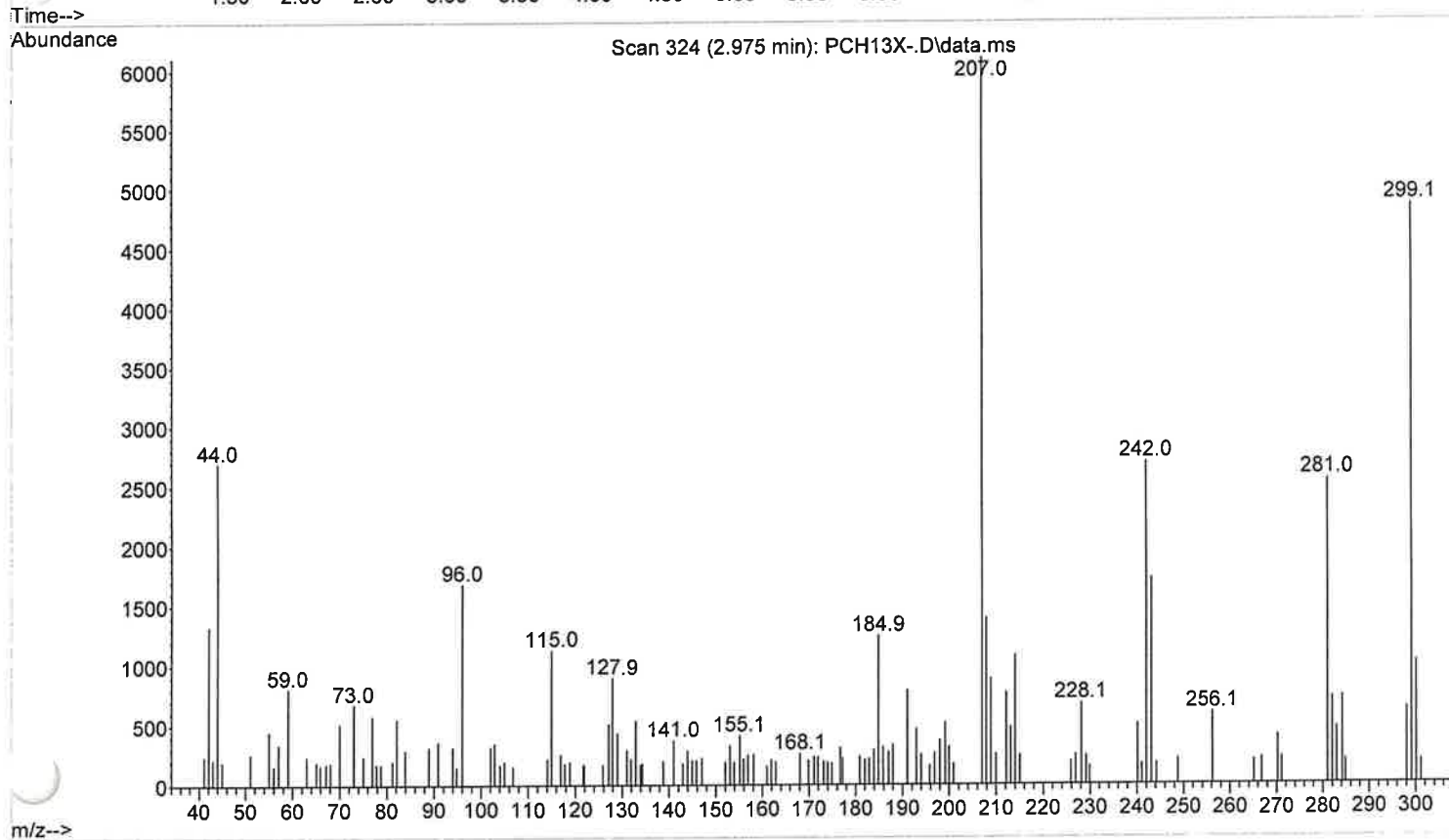
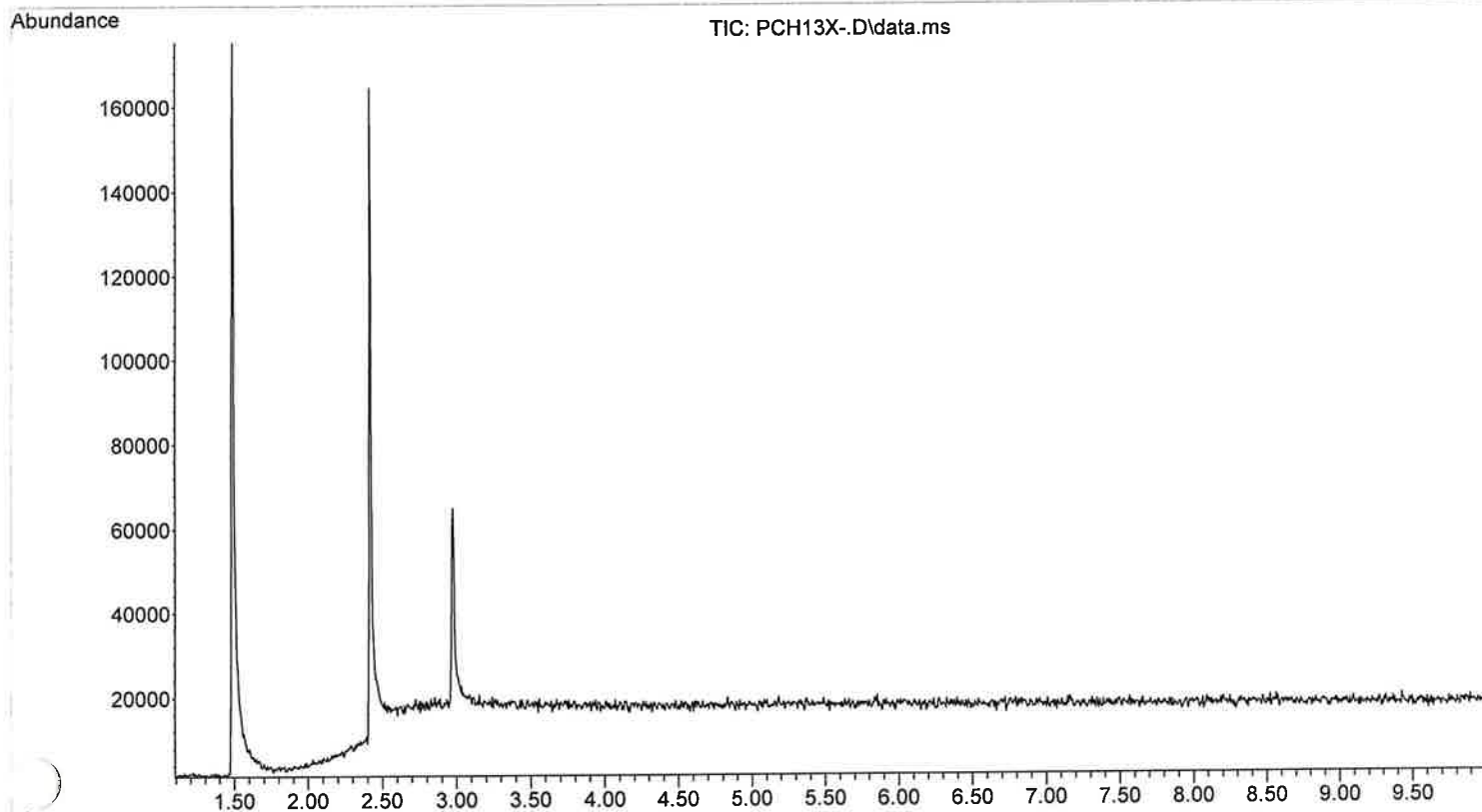
GJG 2-22-2023

File :X:\2023\GJG\PCH13X-.D
Operator :
Acquired : 22 Feb 2023 15:38 using AcqMethod MSDRUGS200.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD -- 200-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Via mber: 2



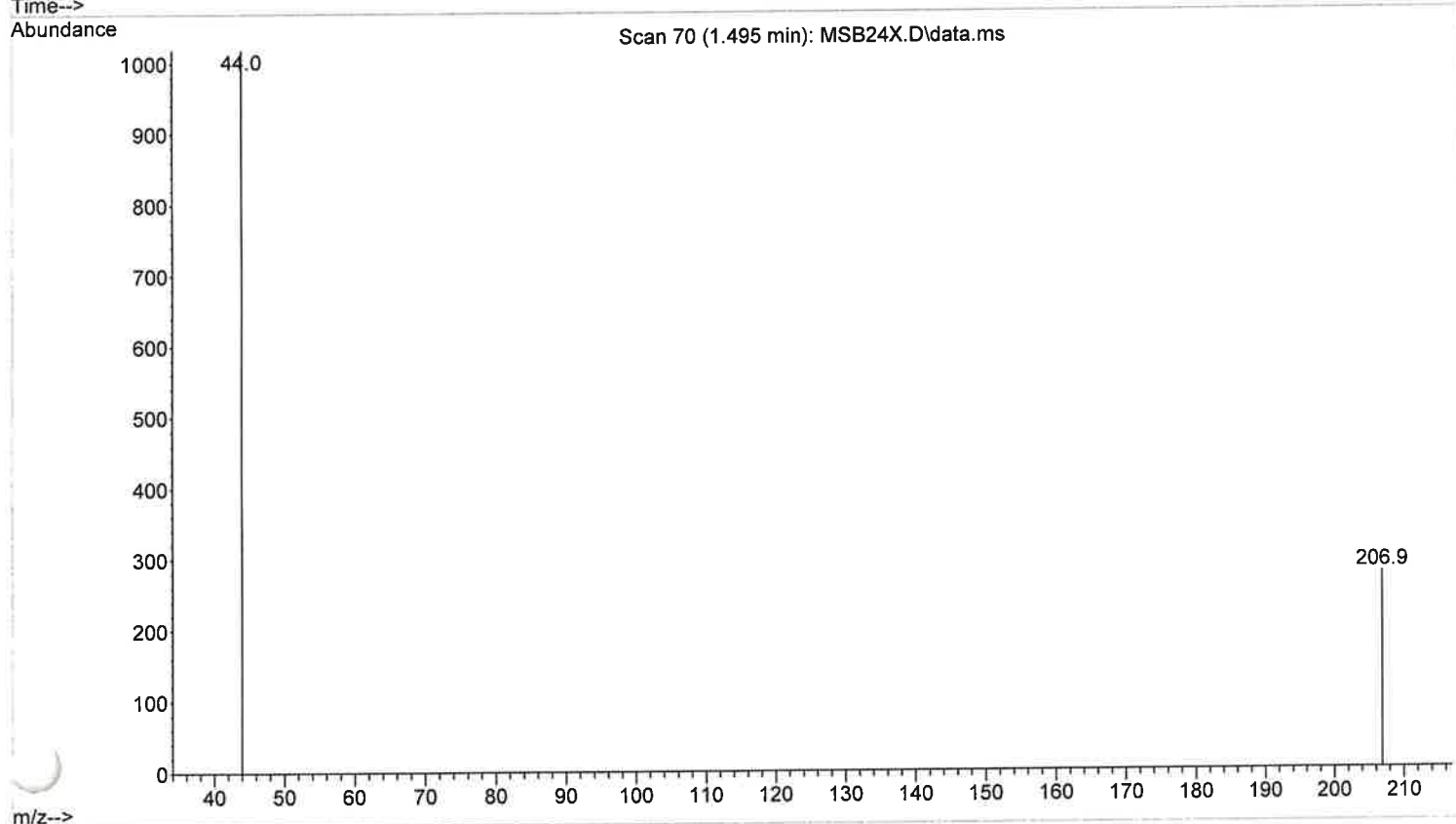
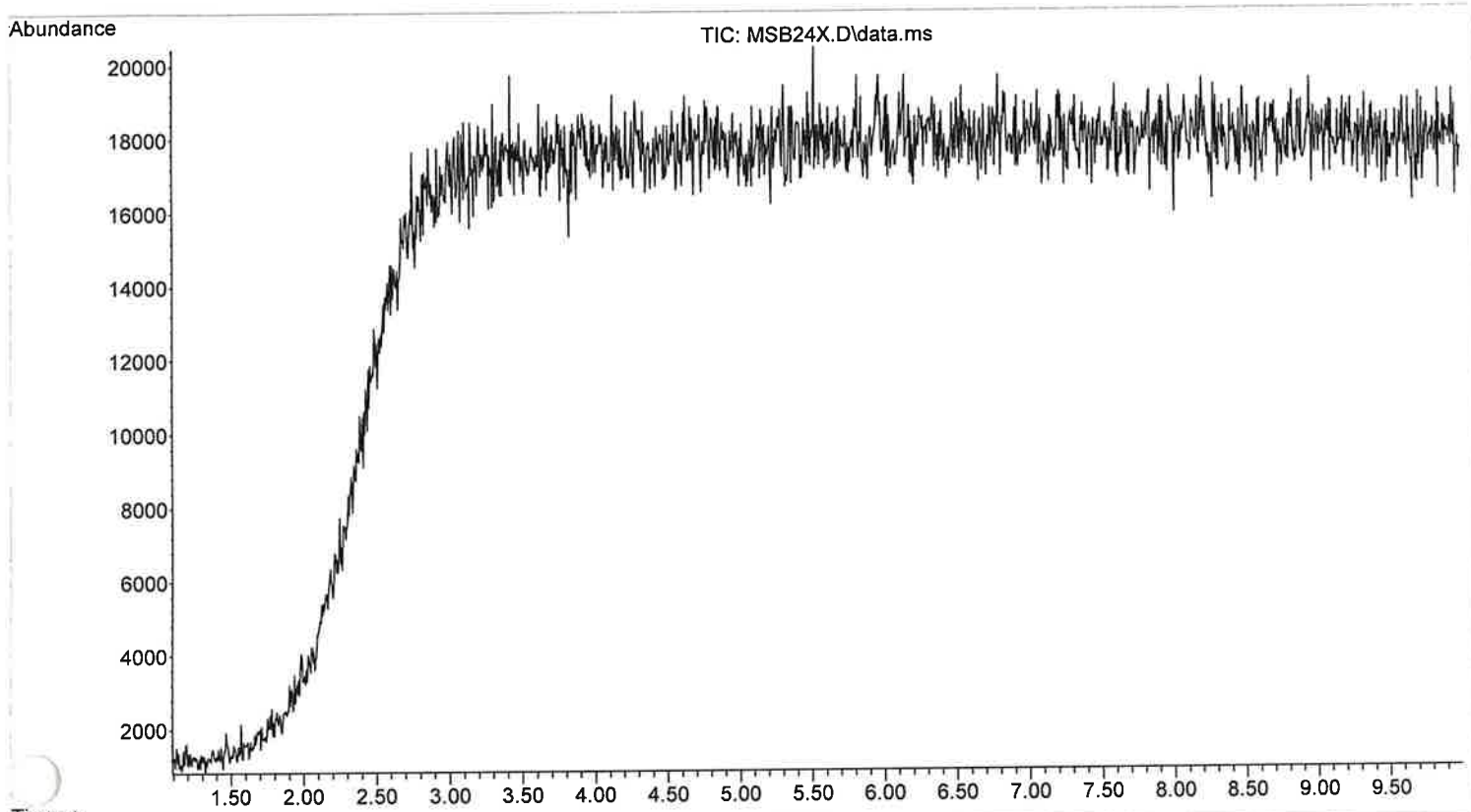
GJG 2-22-2023

File :X:\2023\GJG\PCH13X-.D
Operator :
Acquired : 22 Feb 2023 15:38 using AcqMethod MSDRUGS200.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD -- 200-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 2



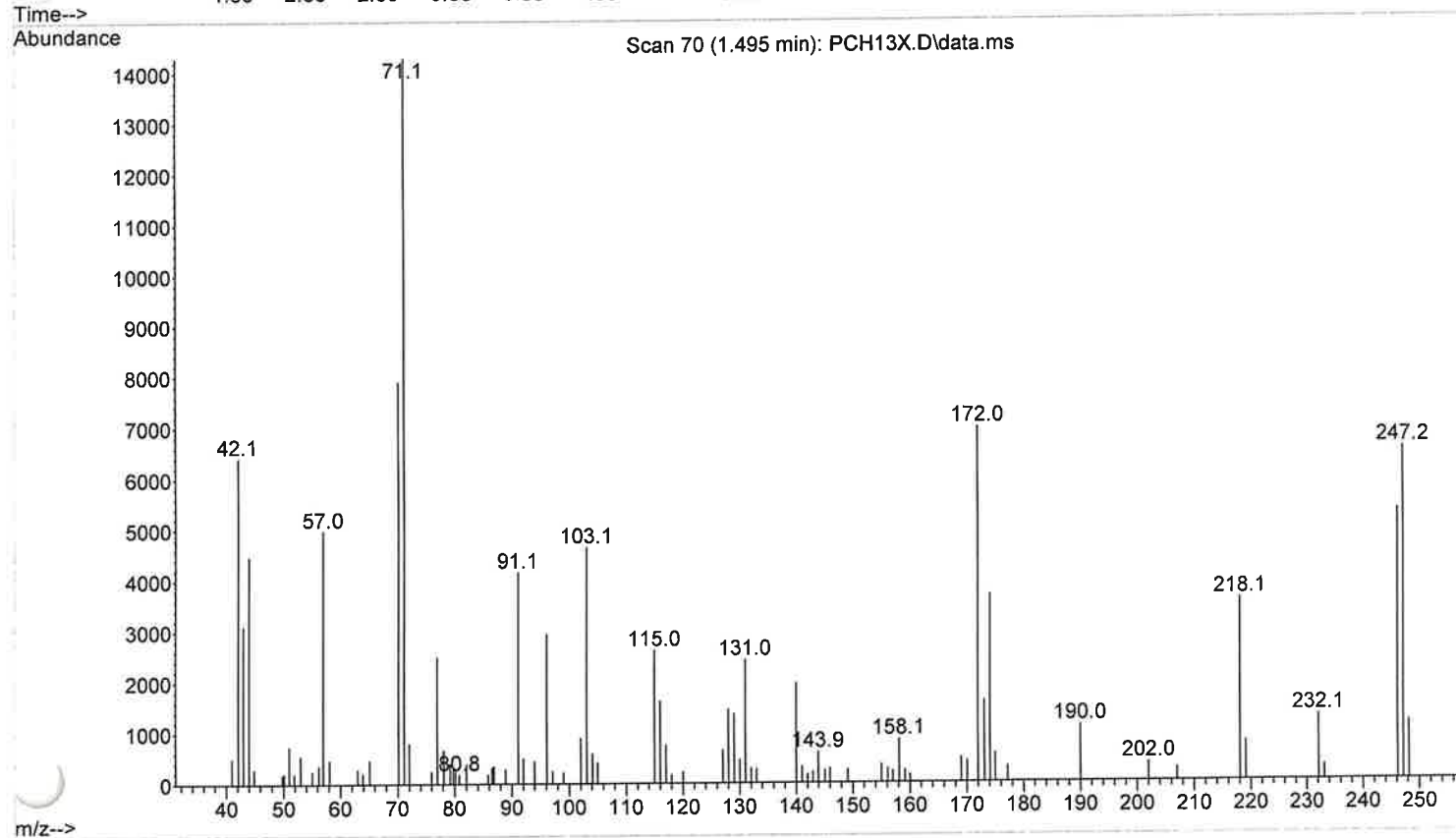
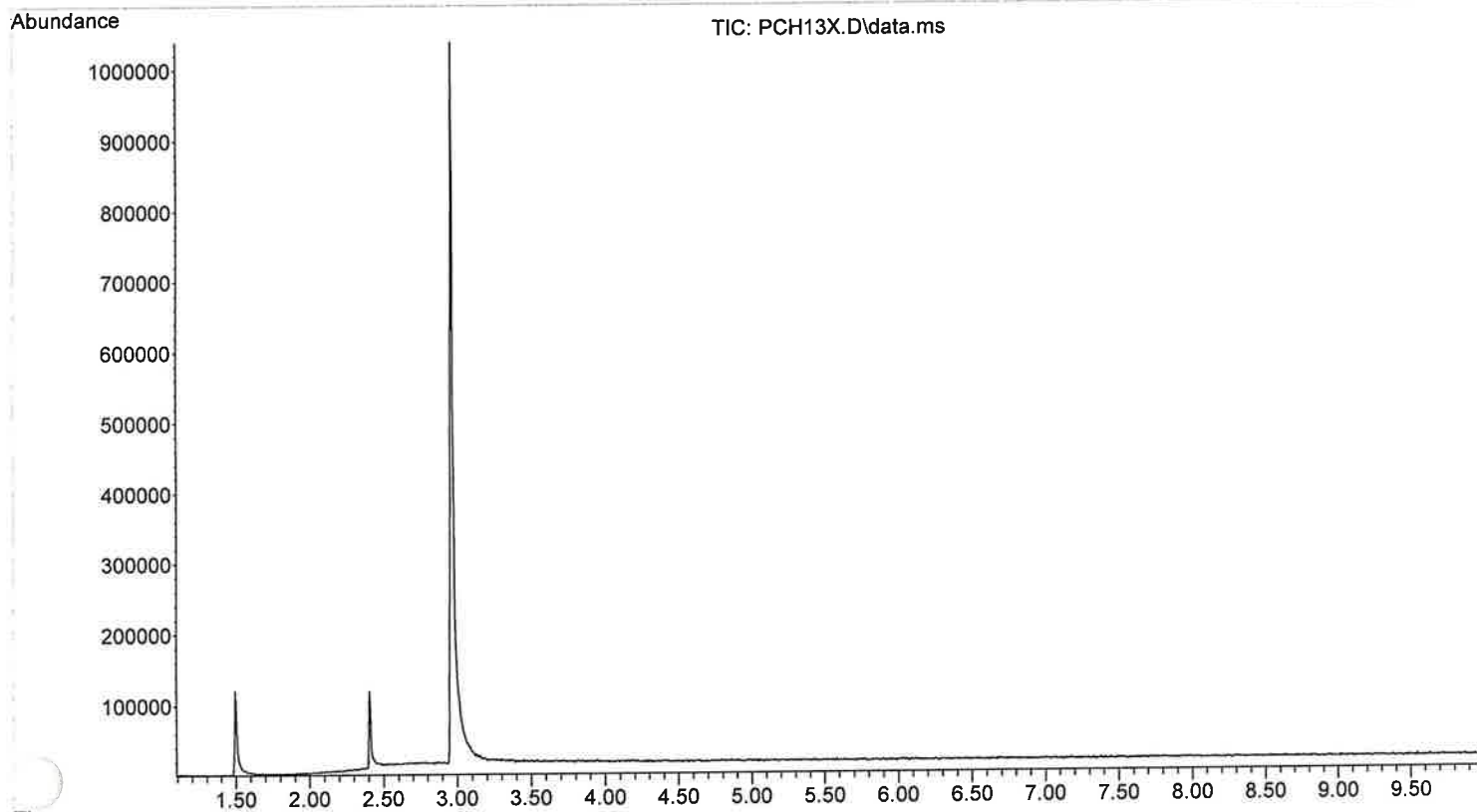
GJG 2-22-2023

File :X:\2023\GJG\MSB24X.D
Operator :
Acquired : 21 Feb 2023 16:37 using AcqMethod MSDRUGS200.M
Instrument : Eggroll
Sample Name: MEOH B FOR CALIBRATION STANDARD
Misc Info : 200-280
Vial Number: 1



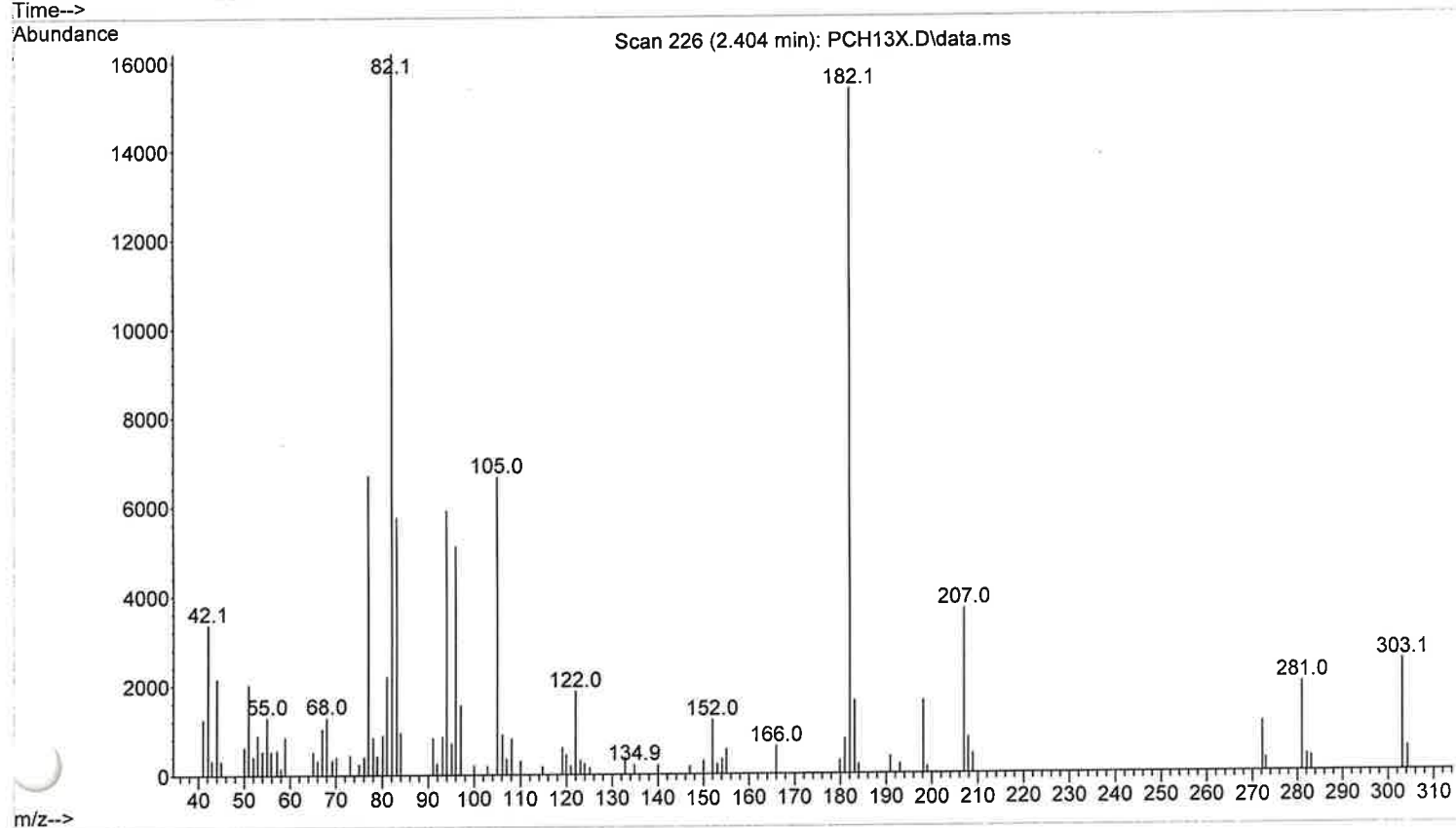
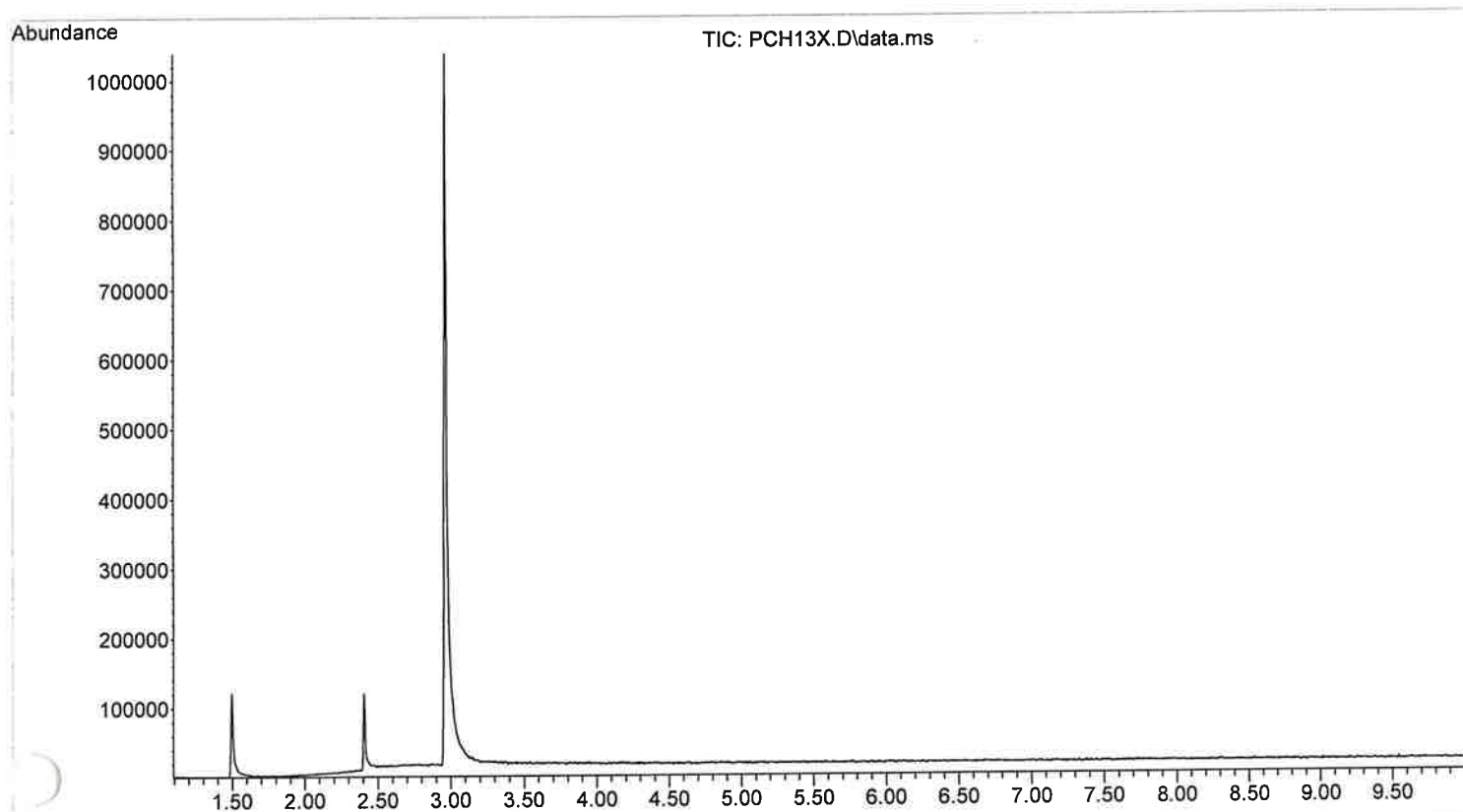
GJG 2-21-2023

File :X:\2023\GJG\PCH13X.D
Operator :
Acquired : 21 Feb 2023 16:50 using AcqMethod MSDRUGS200.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD -- 200-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 1



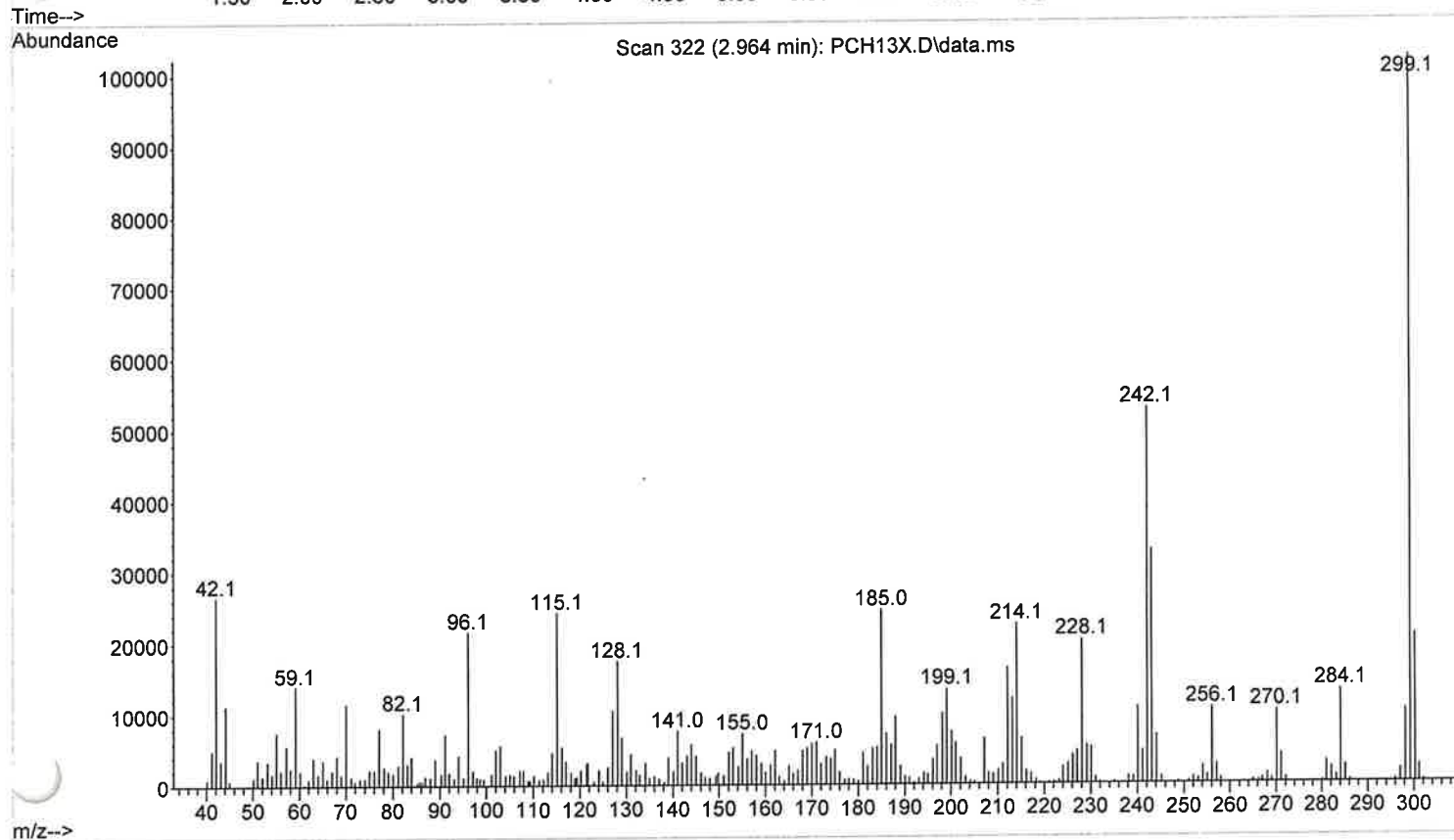
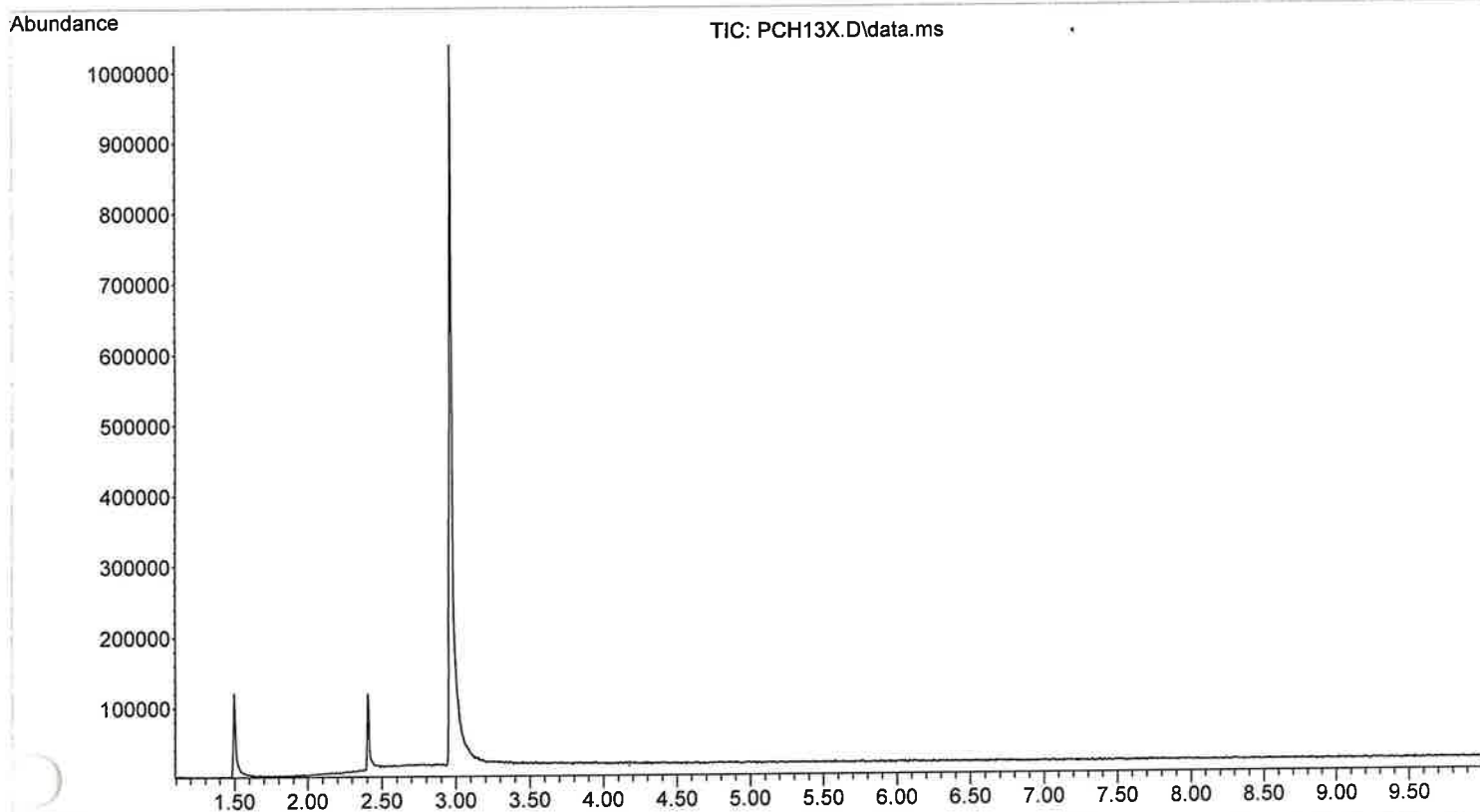
GJG 2-21-2023

File :X:\2023\GJG\PCH13X.D
Operator :
Acquired : 21 Feb 2023 16:50 using AcqMethod MSDRUGS200.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD -- 200-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 1



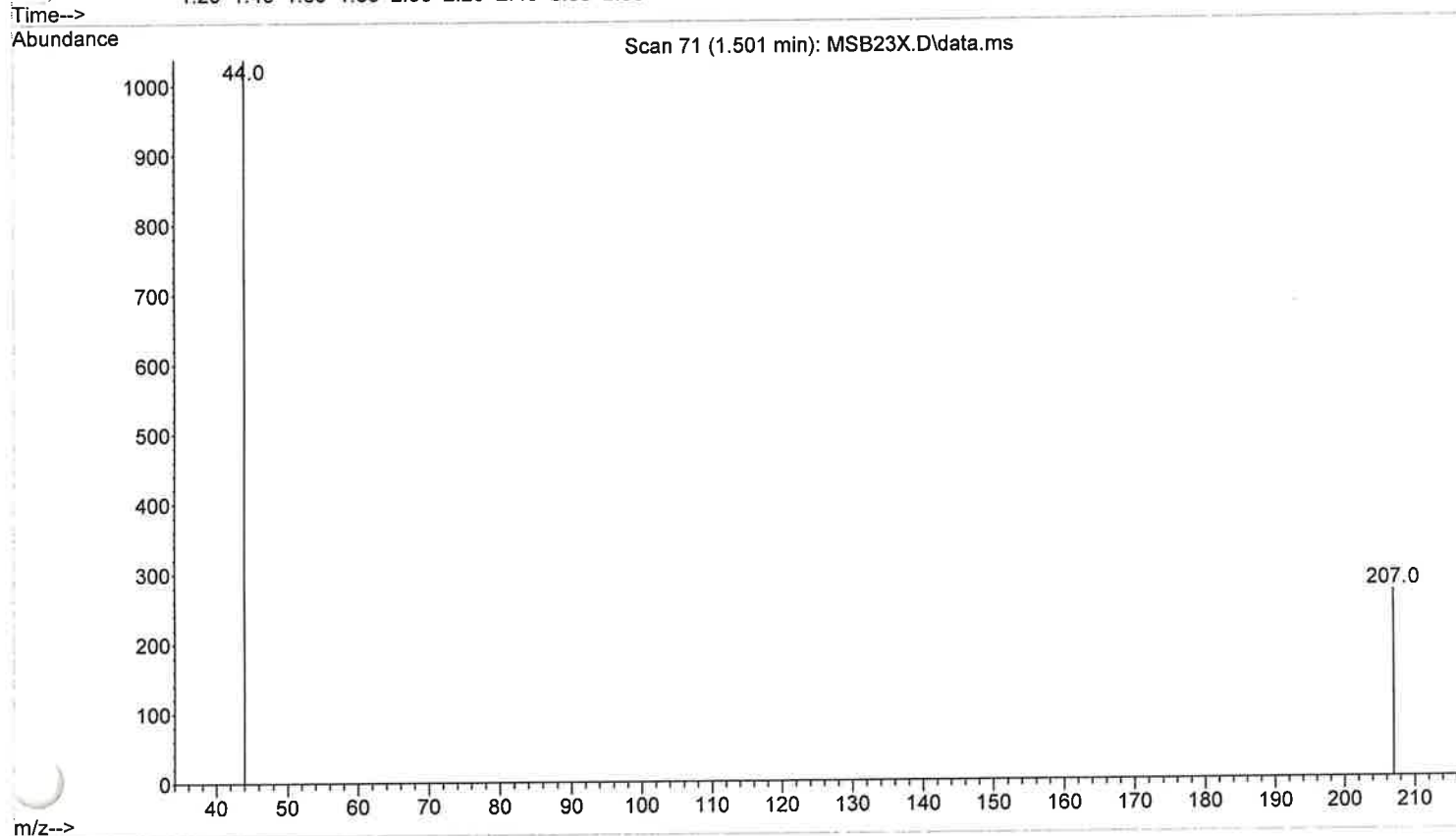
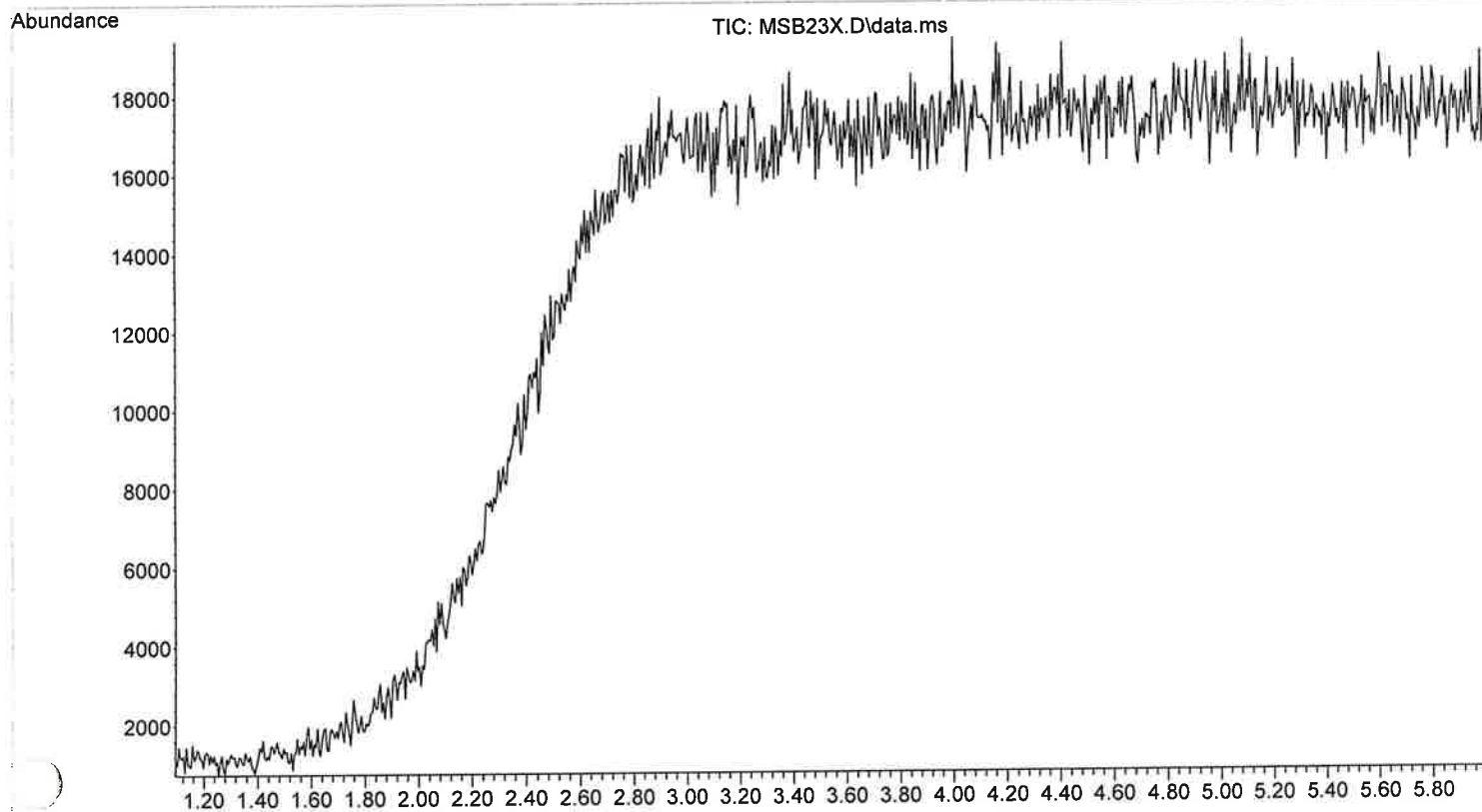
GJG 2-21-2023

File :X:\2023\GJG\PCH13X.D
Operator :
Acquired : 21 Feb 2023 16:50 using AcqMethod MSDRUGS200.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD -- 200-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Via Number: 1



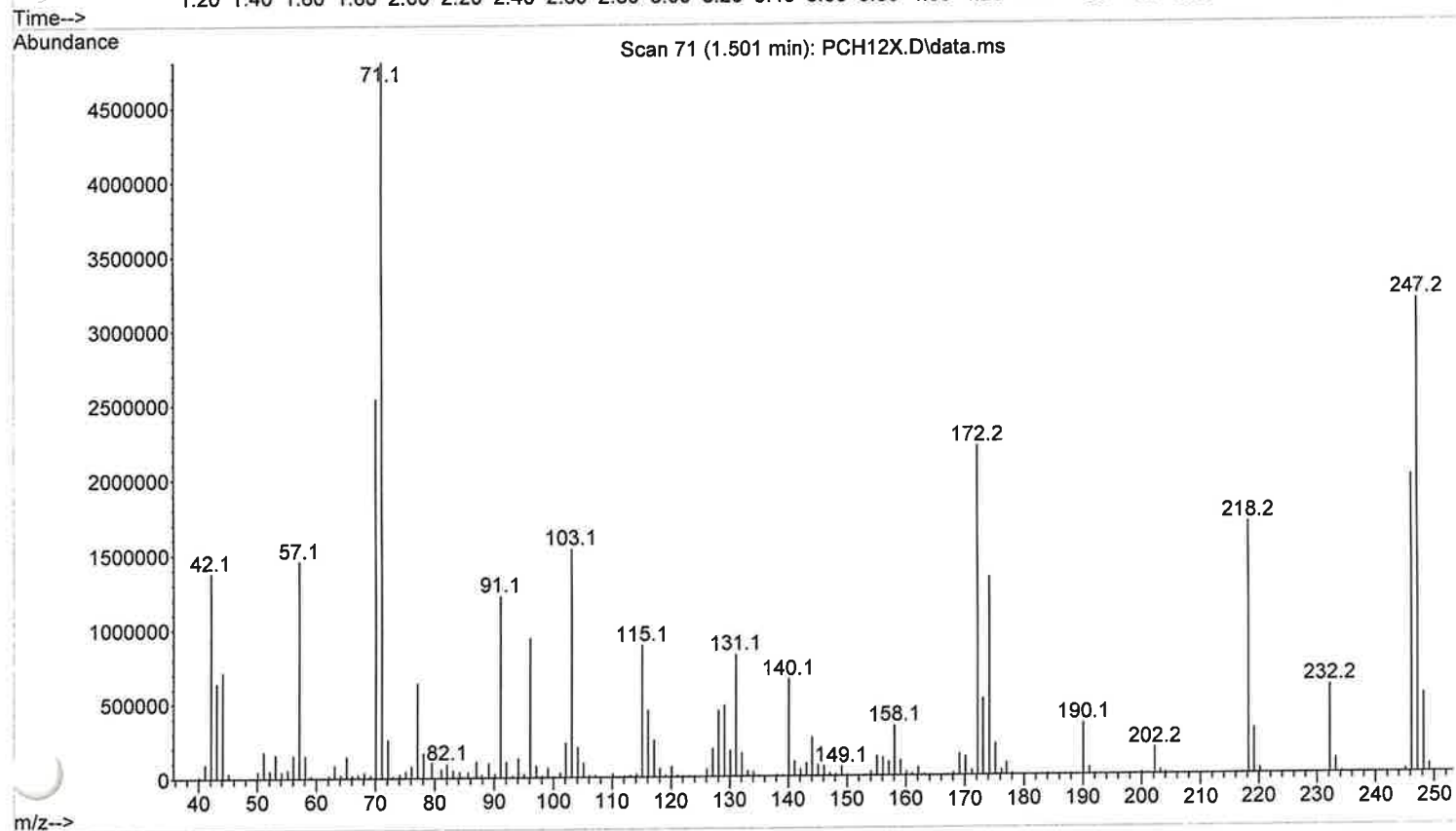
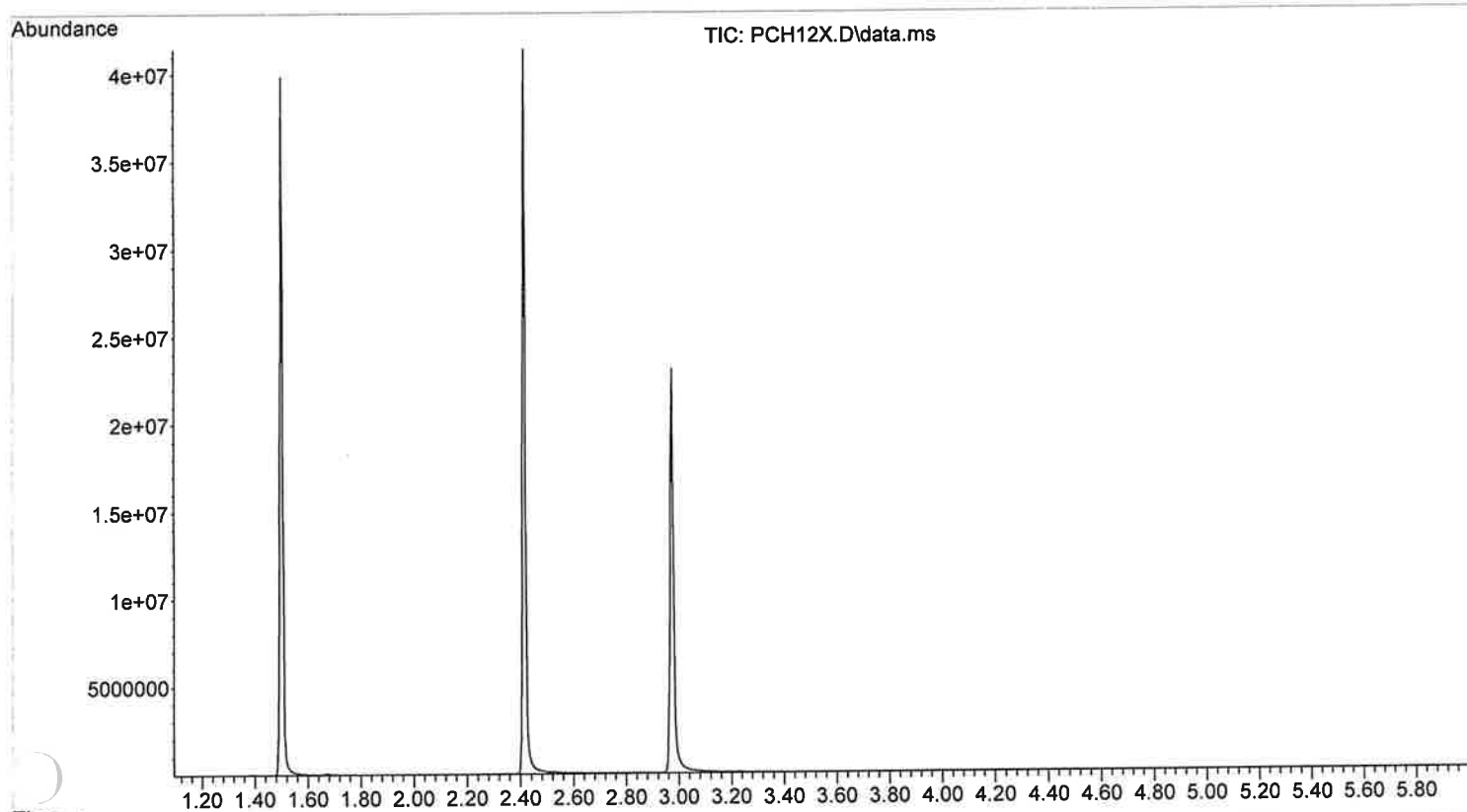
GJG 2-21-2023

File :X:\2023\GJG\MSB23X.D
Operator :
Acquired : 21 Feb 2023 16:03 using AcqMethod MS200TR.M
Instrument : Eggroll
Sample Name: MEOH B FOR CALIBRATION STANDARD
Misc Info : 200-280
Vial Number: 1



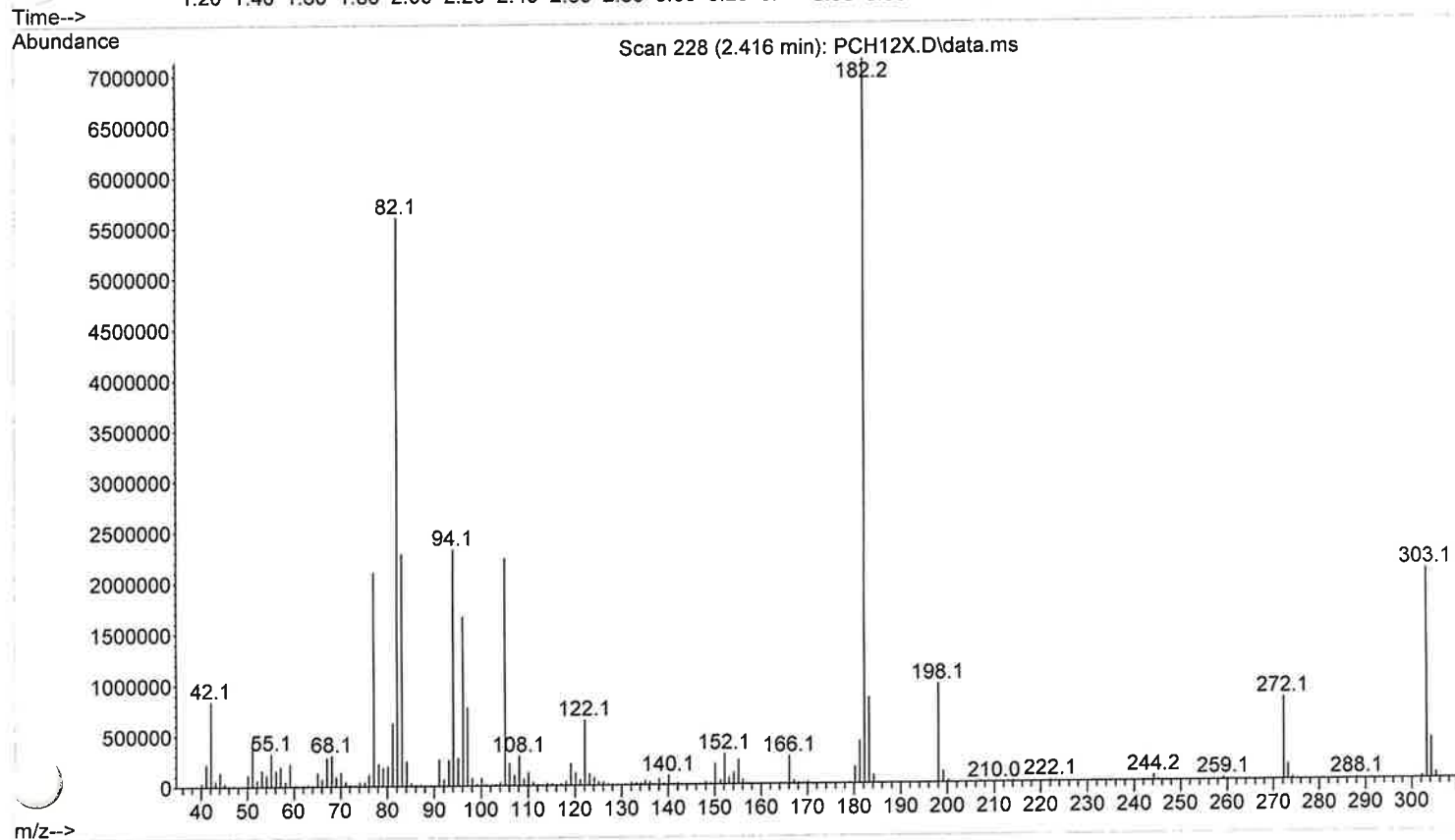
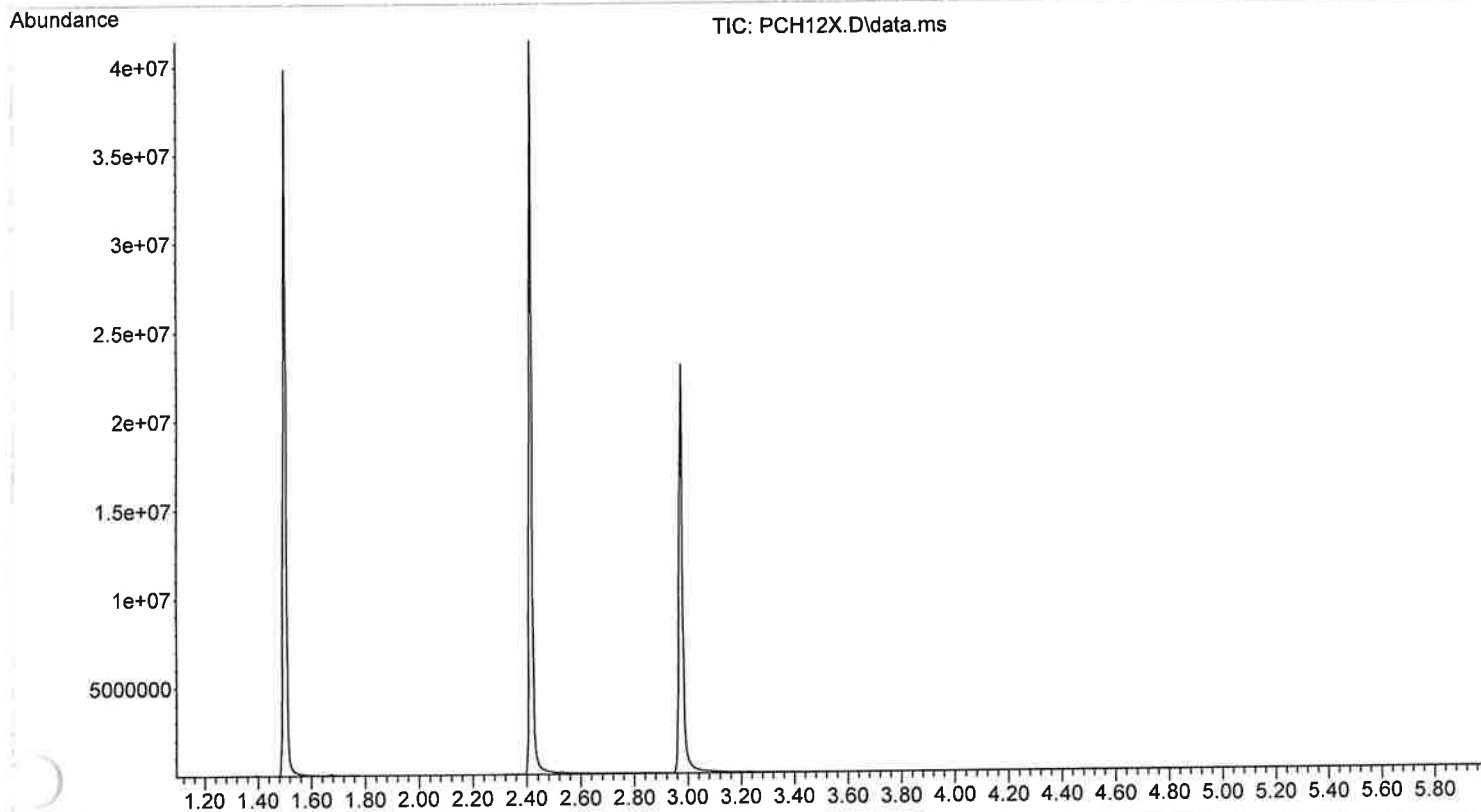
GJG 2-21-2023

File :X:\2023\GJG\PCH12X.D
Operator :
Acquired : 21 Feb 2023 16:12 using AcqMethod MS200TR.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD -- 200-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Via Number: 1



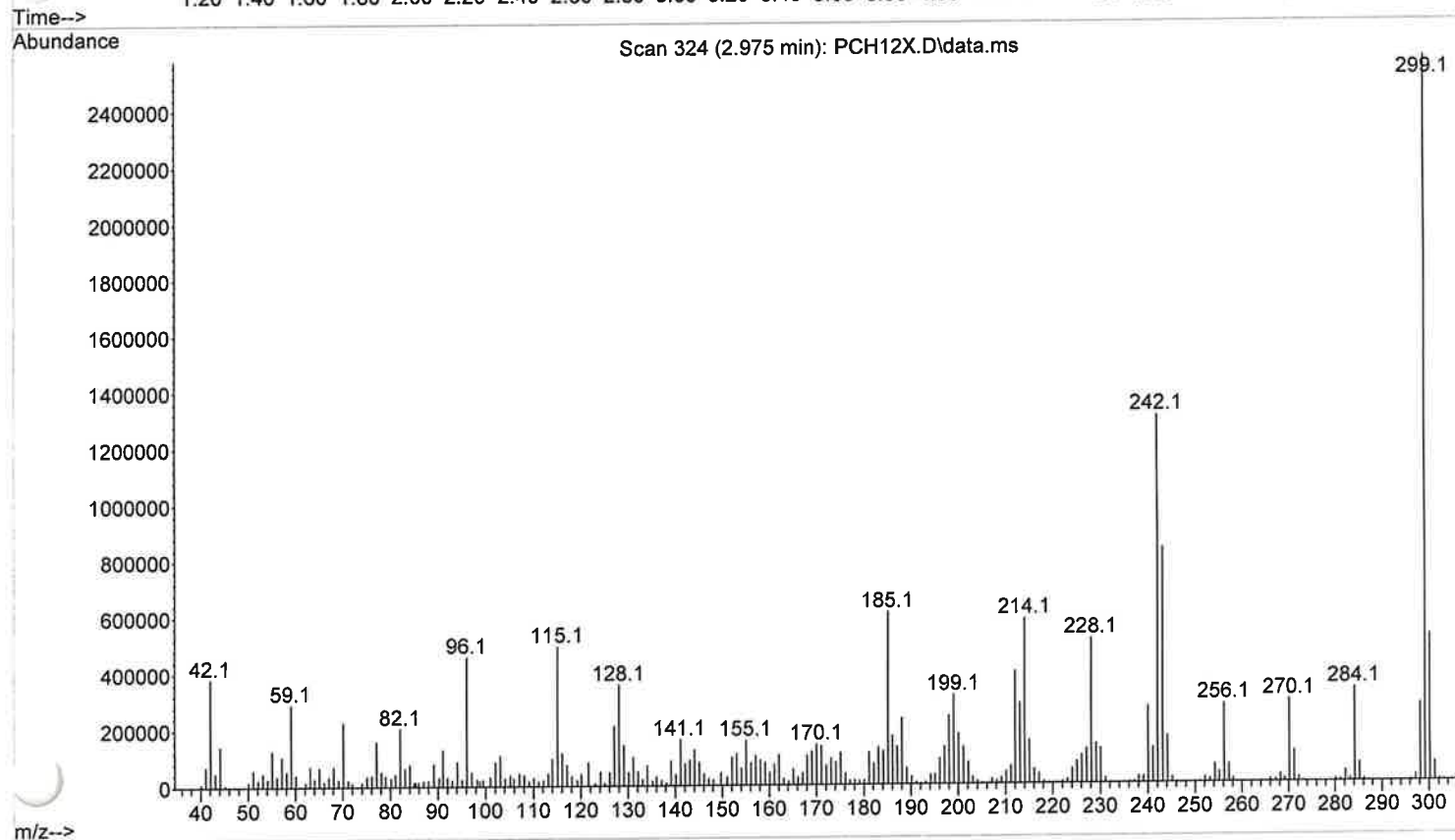
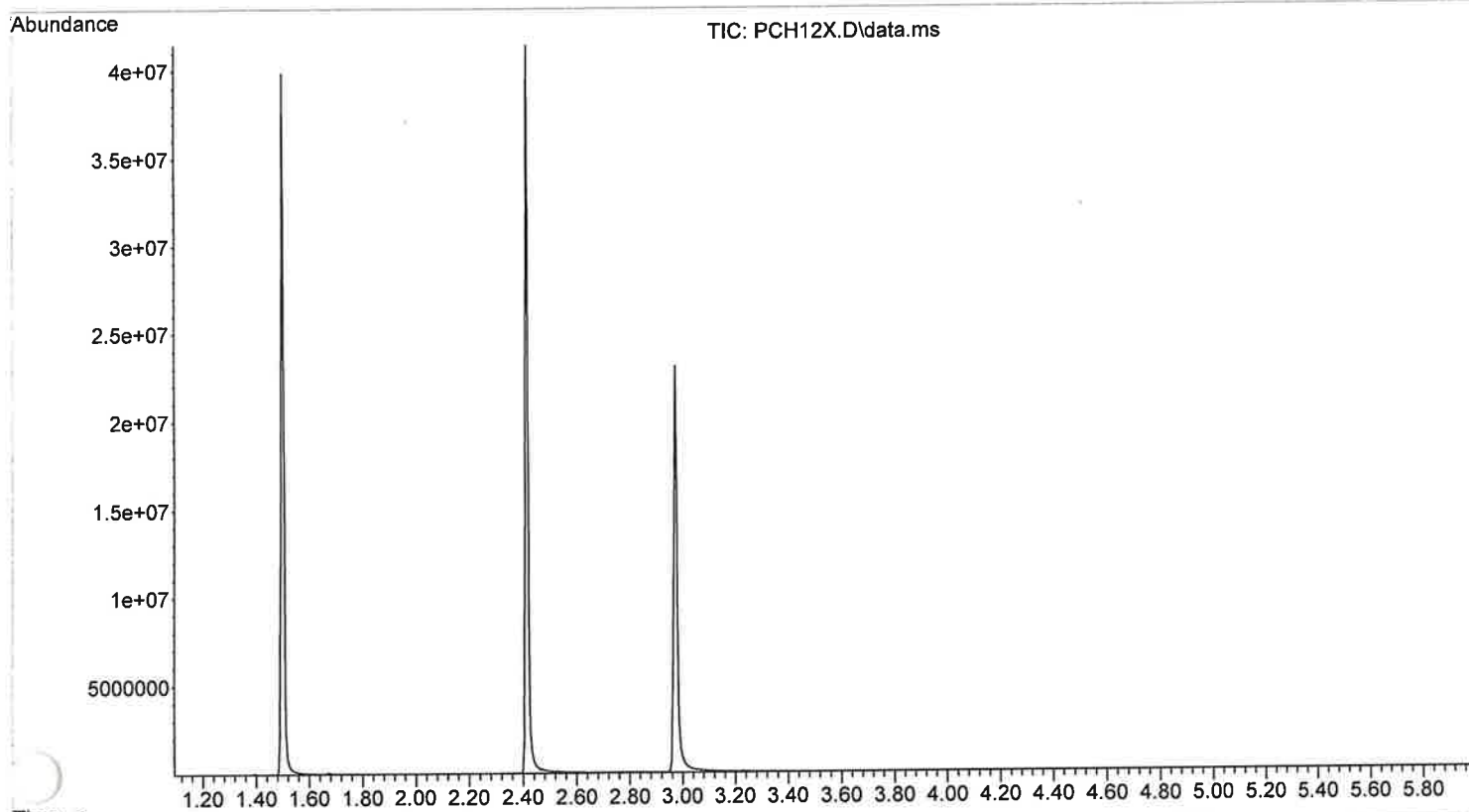
GJG 2-21-2023

File :X:\2023\GJG\PCH12X.D
Operator :
Acquired : 21 Feb 2023 16:12 using AcqMethod MS200TR.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD -- 200-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 1



GJG 2-21-2023

File :X:\2023\GJG\PCH12X.D
Operator :
Acquired : 21 Feb 2023 16:12 using AcqMethod MS200TR.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD -- 200-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 1



GJG-2-21-2023

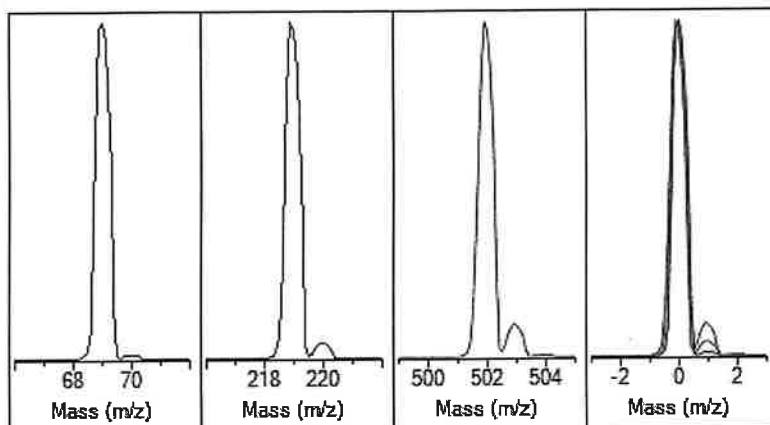
Autotune - 5975

Tune timestamp: 1/19/2023 3:09 PM (UTC-06:00)

Eggroll

C:\MASSHUNTER\GCMS\1\5975\atune.u

US61633037

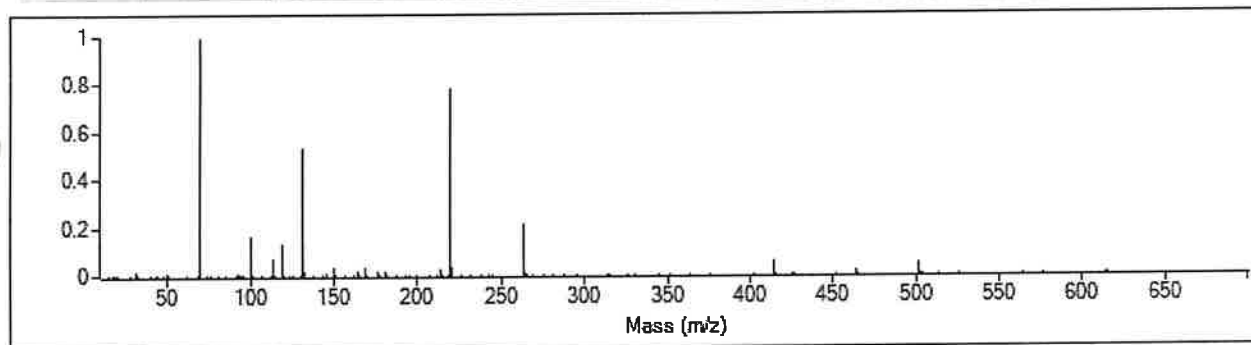


Ion Polarity	Pos	PFTBA	Open
Emission	34.6	Mass Gain	-575
Electron Energy	70.3	Mass Offset	-35
Filament	1	Amu Gain	2128
Repeller	34.96	Amu Offset	120.00
Ion Focus	83.5	Width219	-0.014
Entrance Lens	28.5	DC Polarity	Pos
Ent Lens Offset	16.56	HED Enable	On
		EM Volts	1482
		Scan Speed	3
JetClean Flow Actual/[Setpoint]	0.00 [0.00]	Averages	3

Actual m/z	Abund	Rel Abund	Pw50
69.00	412,100	100.0%	0.60
218.90	328,705	79.8%	0.60
501.90	21,461	5.2%	0.59

Temperatures and Pressures			
MS Source	230	Turbo Speed	100.0
MS Quad	150	Hi Vac	6.21e-06

Low	High	Step	Speed	Threshold	Peaks	Base	Abundance	Total Ion
10.00	701.00	0.10	3	100	109	69.00	398,272	1,353,856



Target m/z	Actual m/z	Abund	Rel Abund	Iso m/z	Iso Abund	Iso Ratio
69.00	69.00	398,272	100.0%	70.00	4,328	1.1%
219.00	219.00	311,296	78.2%	220.00	13,640	4.4%
502.00	502.00	19,744	5.0%	503.00	1,988	10.1%

Air/Water Check: H2O ~0.6% N2 ~0.7% O2 ~0.3% CO2 ~0.1% N2/H2O ~124.6%

Column(1) Flow: 0.72 Column(2): 1.76 ml/min Interface Temp: 280

Ramp Criteria:

Ion Focus maximum 90 volts using ion 502; Electron Multiplier Gain 29717.832

Repeller maximum 35 volts using ion 219; Gain Factor 0.2972

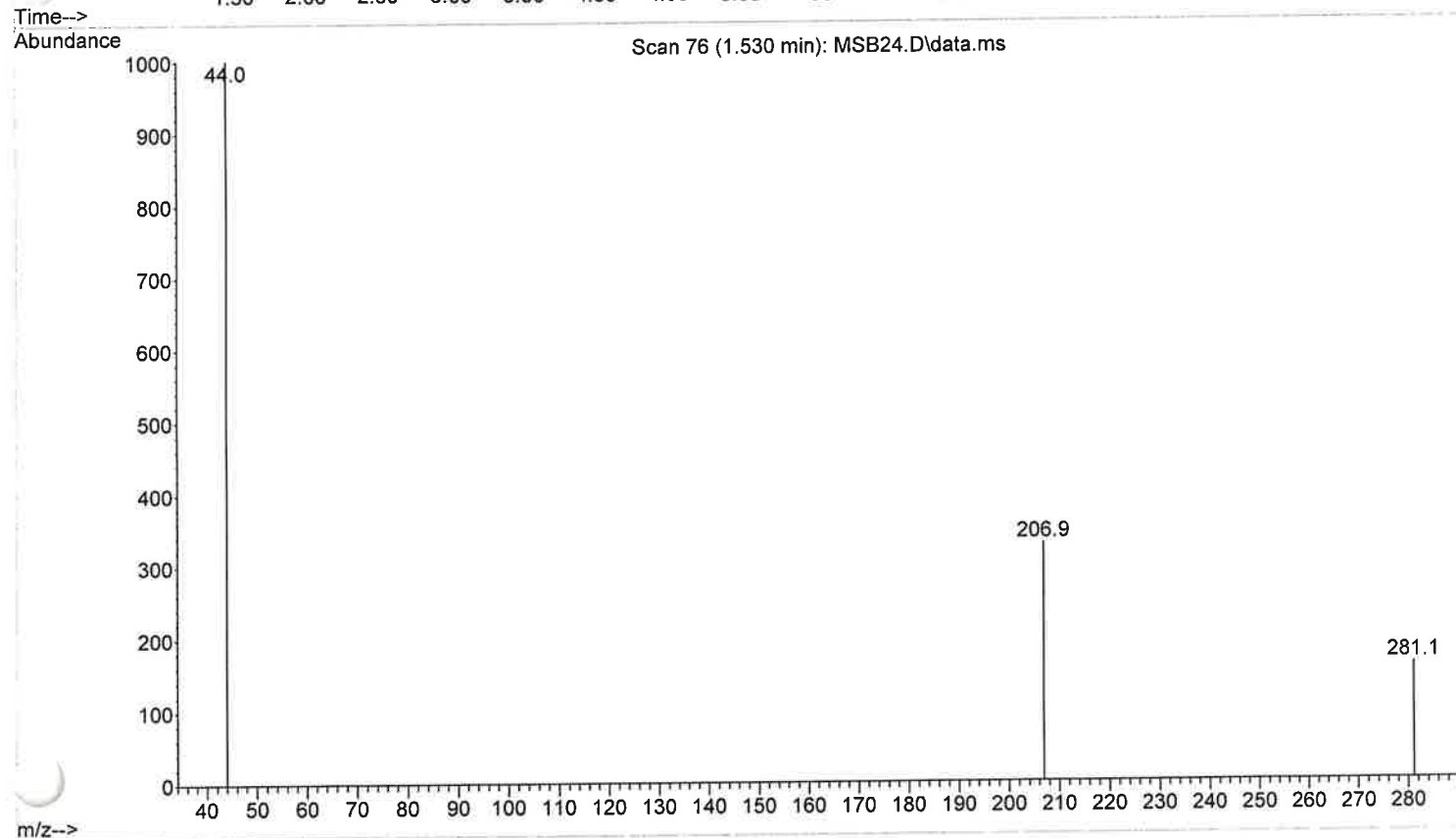
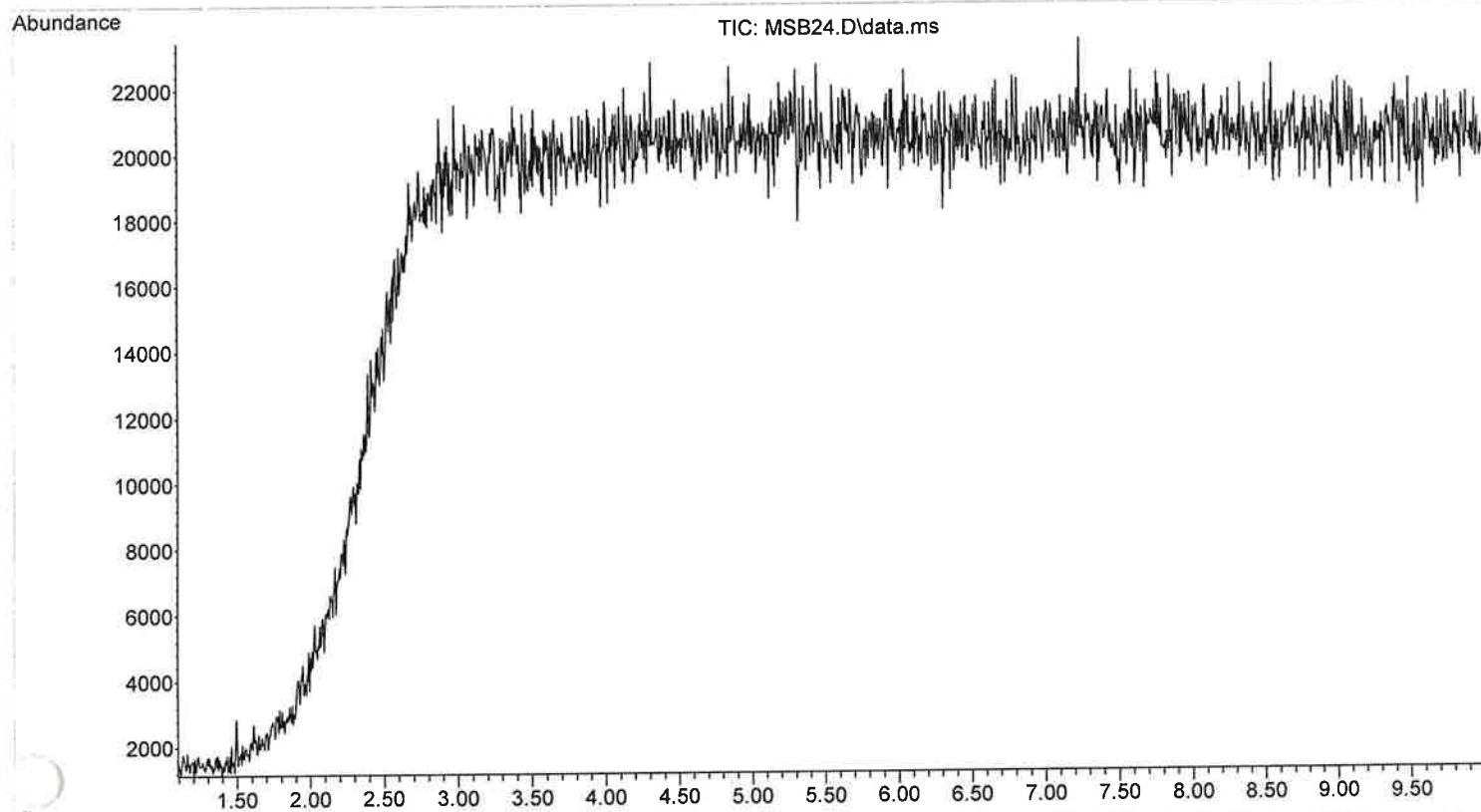
Mass Gain Values(Scan Speed): -568(3) -558(2) -542(1) -512(0) -434(FS1) -433(FS2)

TARGET MASS:	50	69	131	219	414	502	1050
Amu Offset	120.0	120.0	120.0	120.0	120.0	120.0	120.0
Entrance Lens Offset	16.6	16.6	16.6	16.6	16.6	16.6	16.6

Report Created: 1/19/2023 3:10 PM (UTC-06:00)

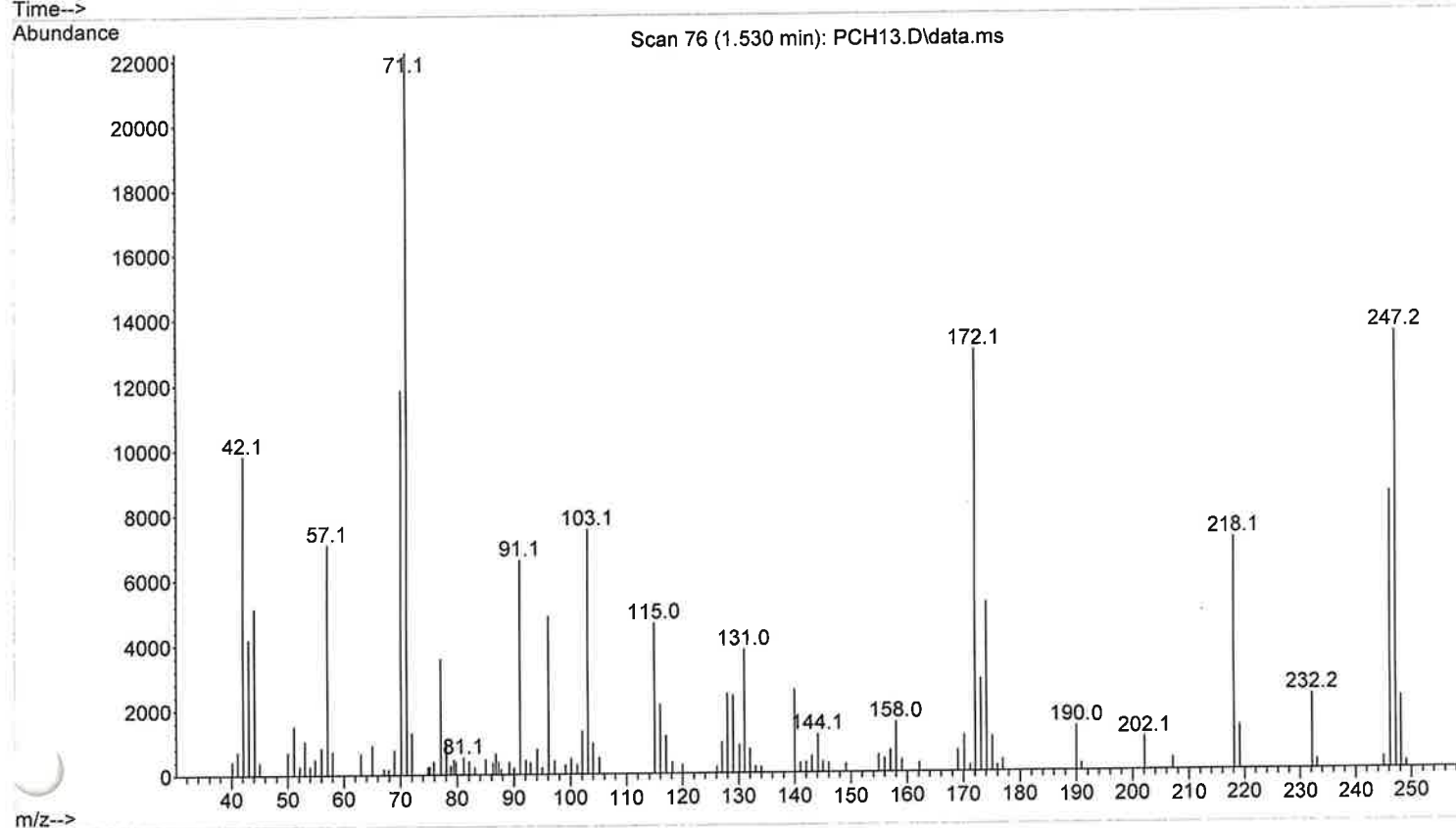
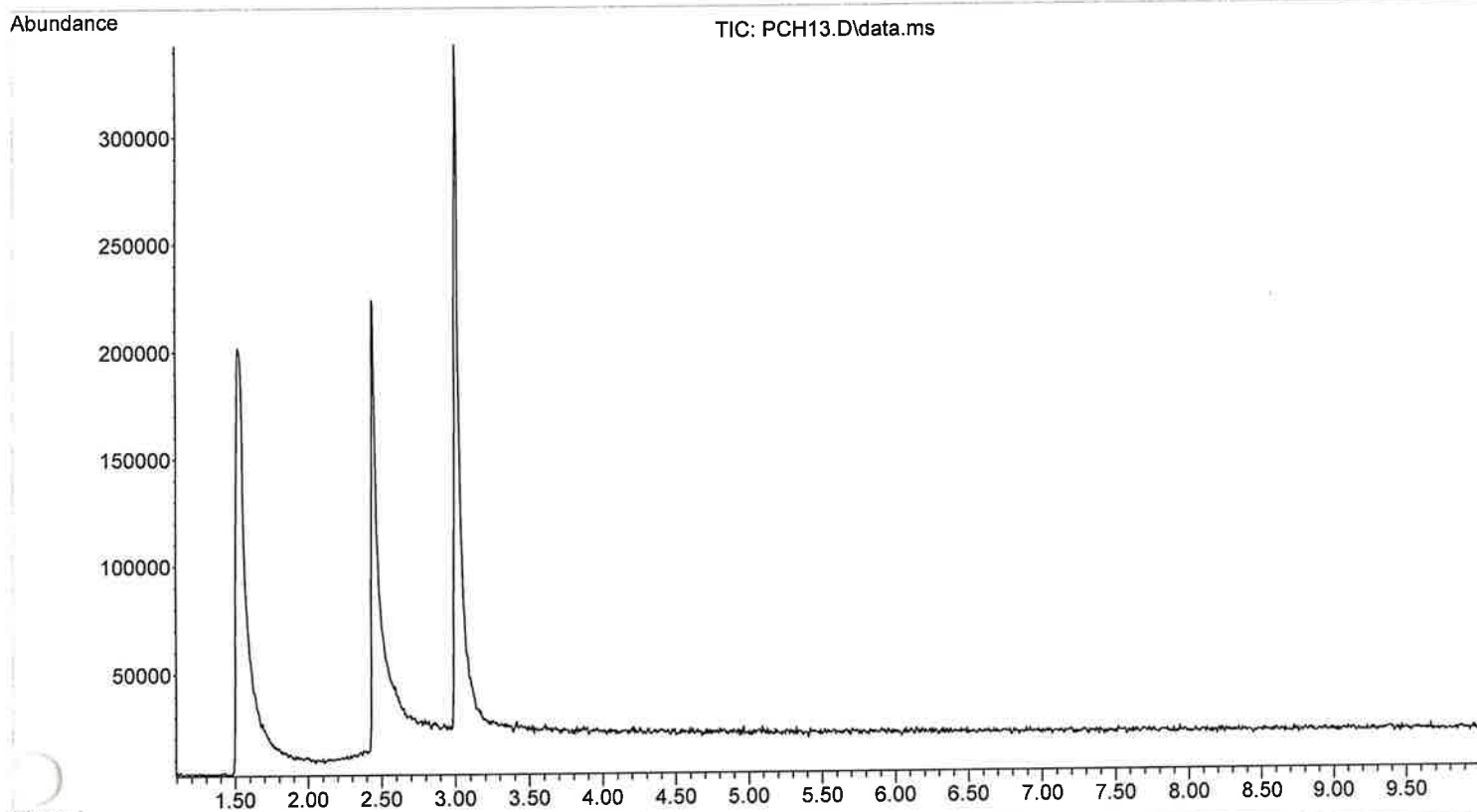
GAG 1-19-2023

File :X:\2023\GJG\MSB24.D
Operator :
Acquired : 15 Feb 2023 15:43 using AcqMethod MSDRUGS200.M
Instrument : Eggroll
Sample Name: MEOH B FOR CALIBRATION STANDARD
Misc Info : 200-280
Vial Number: 1



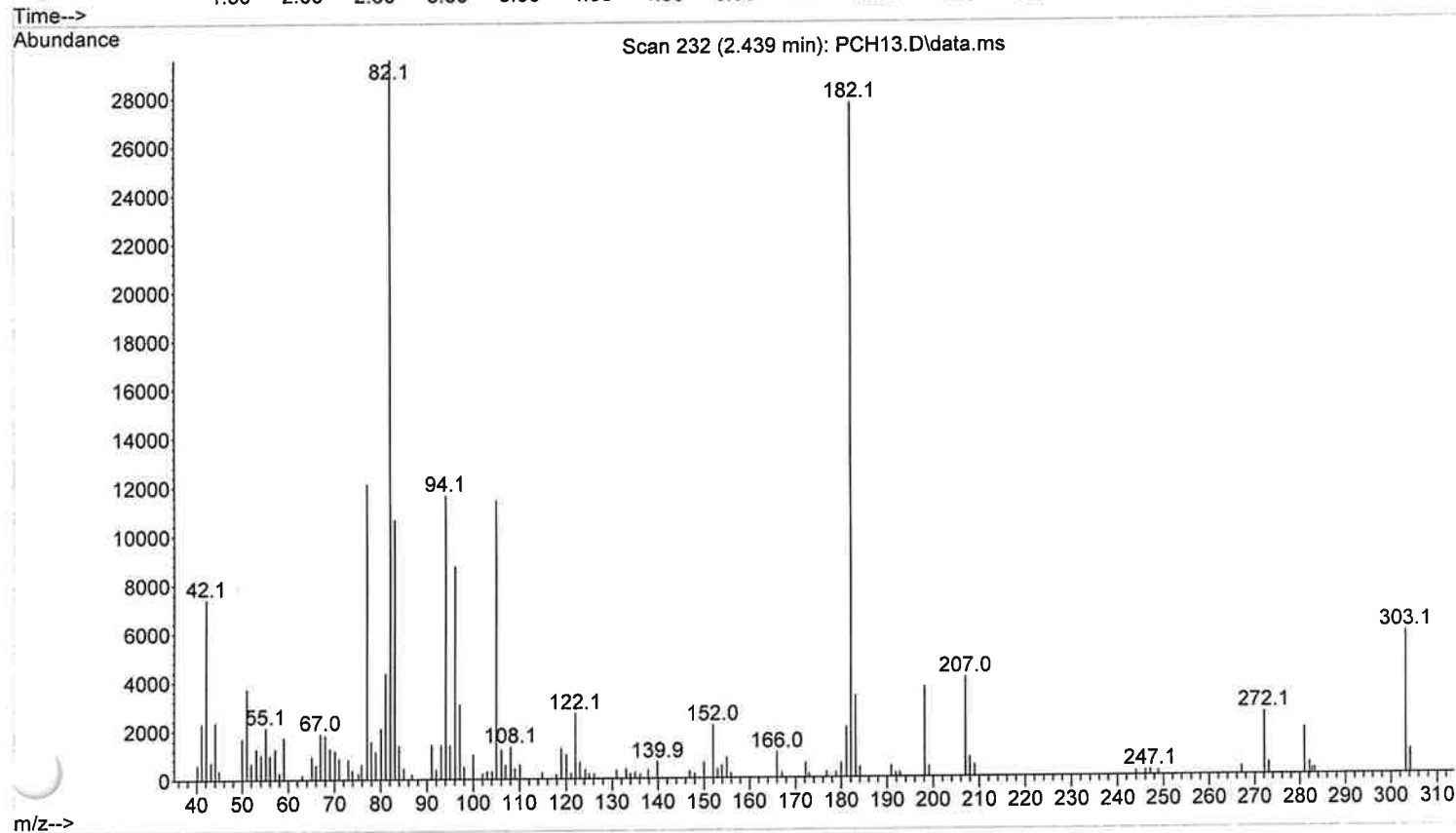
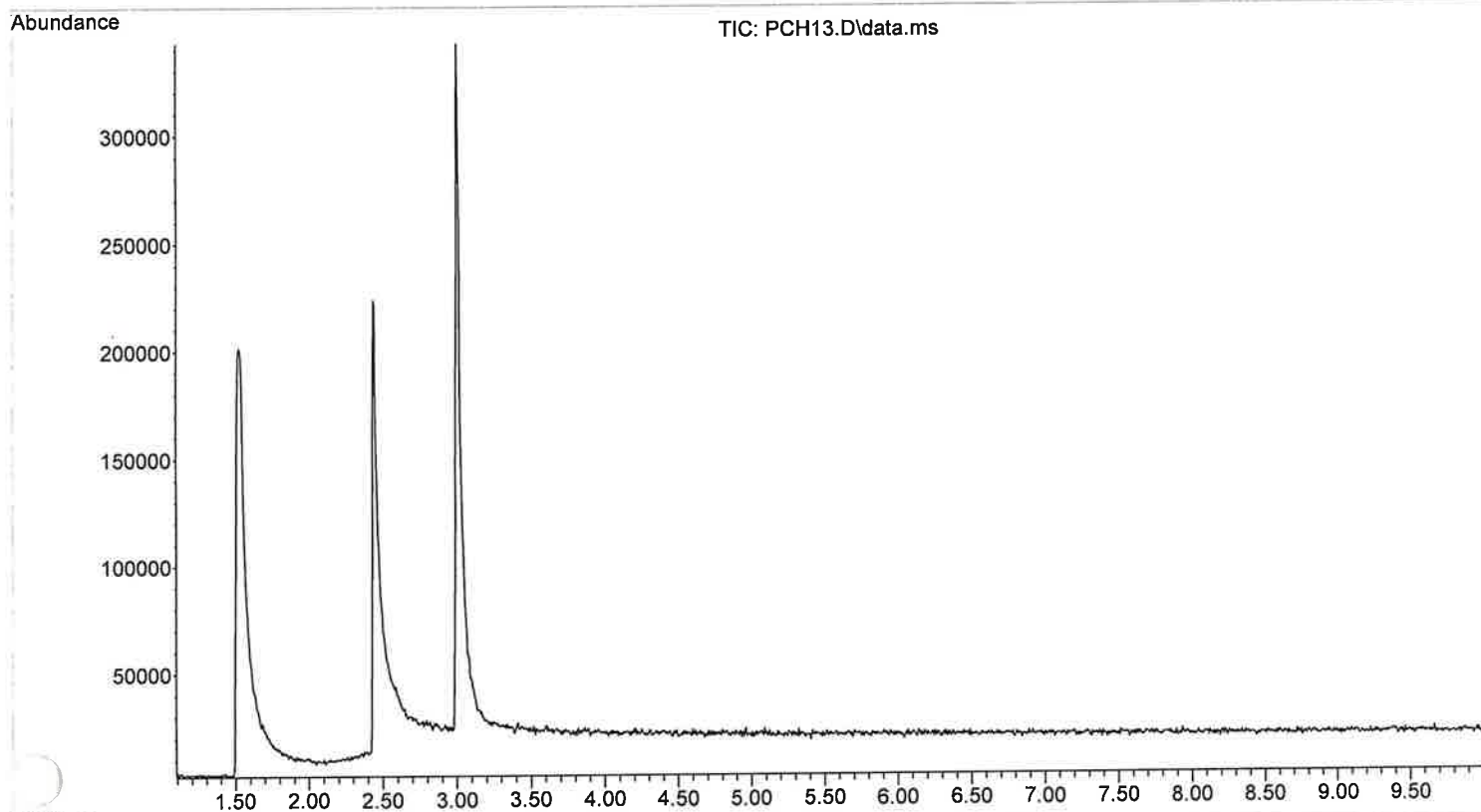
GJG 2-19-2023

File :X:\2023\GJG\PCH13.D
Operator :
Acquired : 15 Feb 2023 16:35 using AcqMethod MSDRUGS200.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD -- 200-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 1



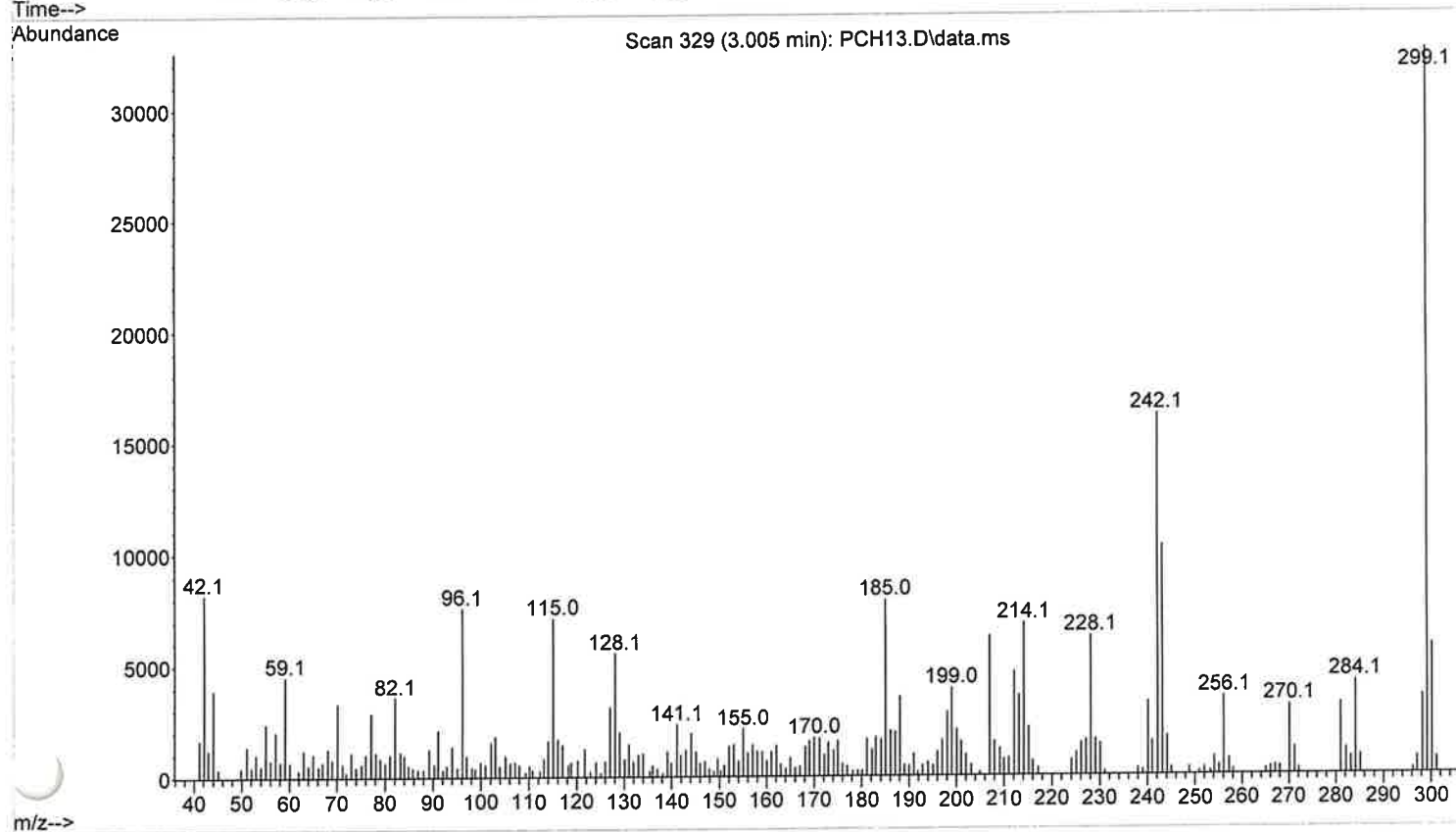
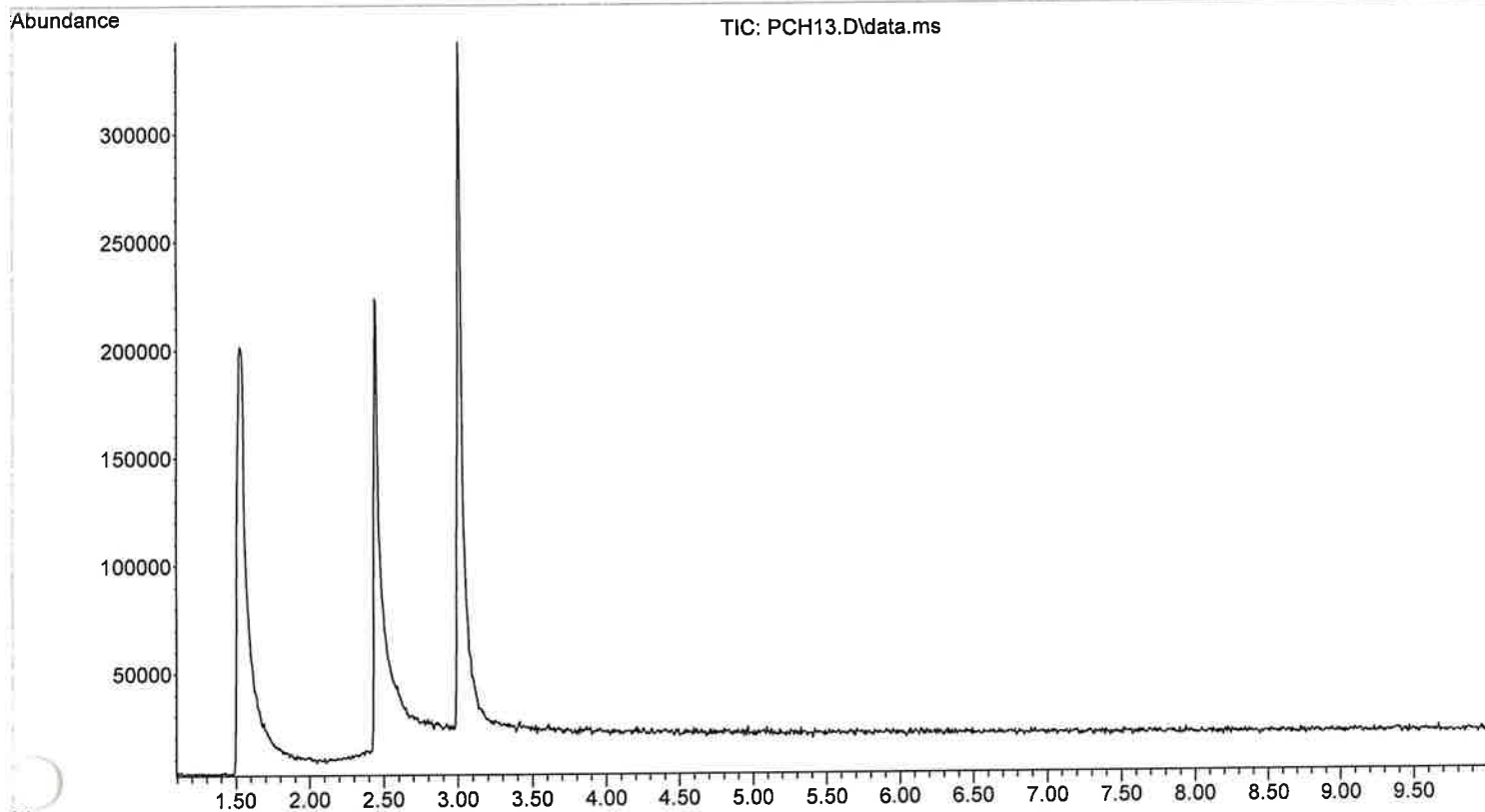
ESG 2-15-2023

File :X:\2023\GJG\PCH13.D
Operator :
Acquired : 15 Feb 2023 16:35 using AcqMethod MSDRUGS200.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD -- 200-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 1



GJG 2-15-2023

File :X:\2023\GJG\PCH13.D
Operator :
Acquired : 15 Feb 2023 16:35 using AcqMethod MSDRUGS200.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD -- 200-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 1



GJG 2-15-2023

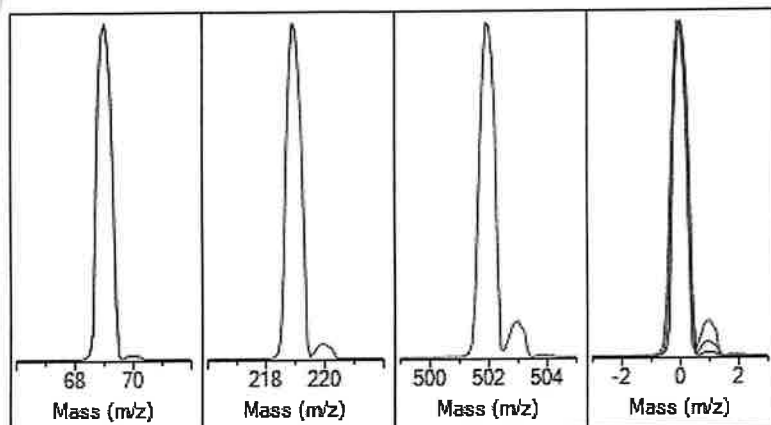
Autotune - 5975

Tune timestamp: 1/12/2023 3:51 PM (UTC-06:00)

Eggroll

C:\MASSHUNTER\GCMS\1\5975\atune.u

US61633037

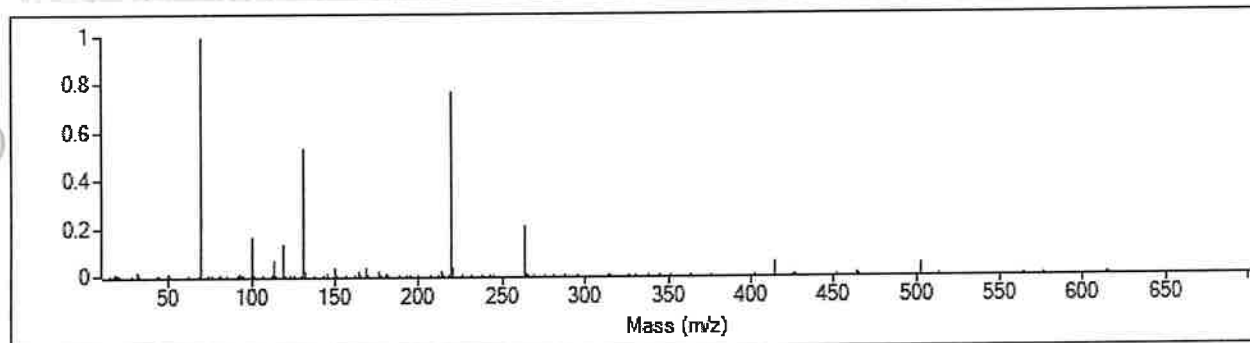


Ion Polarity	Pos	PFTBA	Open
Emission	34.6	Mass Gain	-575
Electron Energy	70.3	Mass Offset	-35
Filament	1	Amu Gain	2128
Repeller	34.96	Amu Offset	120.25
Ion Focus	83.5	Width219	-0.014
Entrance Lens	28.5	DC Polarity	Pos
Ent Lens Offset	16.56	HED Enable	On
		EM Volts	1471
		Scan Speed	3
JetClean Flow Actual/[Setpoint]	0.00 [0.00]	Averages	3

Actual m/z	Abund	Rel Abund	Pw50
69.00	403,670	100.0%	0.60
218.90	319,859	79.2%	0.60
501.90	19,502	4.8%	0.60

Temperatures and Pressures			
MS Source	230	Turbo Speed	100.0
MS Quad	150	Hi Vac	6.35e-06

Low	High	Step	Speed	Threshold	Peaks	Base	Abundance	Total Ion
10.00	701.00	0.10	3	100	105	69.00	391,808	1,319,282



Target m/z	Actual m/z	Abund	Rel Abund	Iso m/z	Iso Abund	Iso Ratio
69.00	69.00	391,808	100.0%	70.00	4,309	1.1%
219.00	219.00	301,056	76.8%	220.00	13,034	4.3%
502.00	502.10	18,840	4.8%	503.10	1,831	9.7%

Air/Water Check: H2O ~0.8% N2 ~0.7% O2 ~0.3% CO2 ~0.1% N2/H2O ~93.4%

Column(1) Flow: 0.72 Column(2): 1.76 ml/min Interface Temp: 280

Ramp Criteria:

Ion Focus maximum 90 volts using ion 502; Electron Multiplier Gain 29005.748

Repeller maximum 35 volts using ion 219; Gain Factor 0.2901

Mass Gain Values(Scan Speed): -562(3) -561(2) -539(1) -515(0) -428(FS1) -428(FS2)

TARGET MASS:	50	69	131	219	414	502	1050
Amu Offset	120.3	120.3	120.3	120.3	120.3	120.3	120.3
Entrance Lens Offset	16.6	16.6	16.6	16.6	16.6	16.6	16.6

Report Created: 1/12/2023 3:52 PM (UTC-06:00)

GGG 1-12-2023

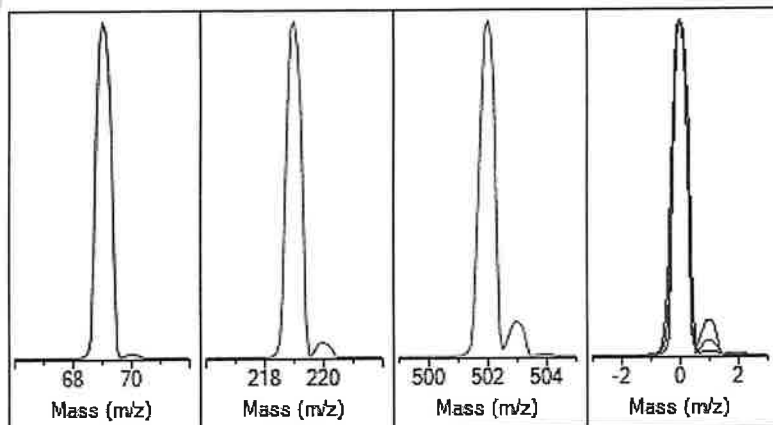
Autotune - 5975

Tune timestamp: 1/6/2023 11:10 AM (UTC-06:00)

Eggroll

C:\MASSHUNTER\GCMS\1\5975\atune.u

US61633037

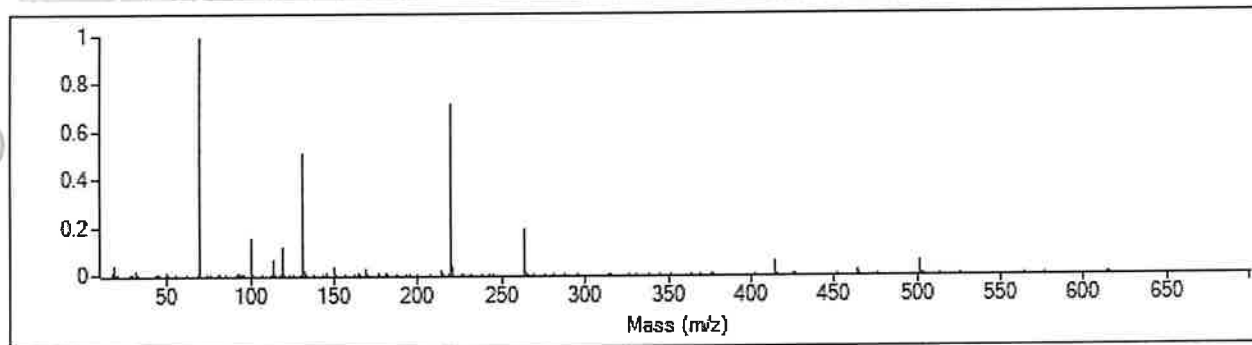


Ion Polarity	Pos	PFTBA	Open
Emission	34.6	Mass Gain	-575
Electron Energy	70.3	Mass Offset	-34
Filament	1	Amu Gain	2126
Repeller	34.96	Amu Offset	120.56
Ion Focus	88.3	Width219	-0.017
Entrance Lens	25.5	DC Polarity	Pos
Ent Lens Offset	18.82	HED Enable	On
		EM Volts	1435
		Scan Speed	3
JetClean Flow Actual/[Setpoint]	0.00 [0.00]	Averages	3

Actual m/z	Abund	Rel Abund	Pw50
69.00	453,769	100.0%	0.60
219.00	326,247	71.9%	0.60
502.00	26,611	5.9%	0.59

Temperatures and Pressures			
MS Source	230	Turbo Speed	100.0
MS Quad	150	Hi Vac	8.92e-06

Low	High	Step	Speed	Threshold	Peaks	Base	Abundance	Total Ion
10.00	701.00	0.10	3	100	117	69.00	438,912	1,445,622



Target m/z	Actual m/z	Abund	Rel Abund	Iso m/z	Iso Abund	Iso Ratio
69.00	69.00	438,912	100.0%	70.00	4,866	1.1%
219.00	219.00	313,984	71.5%	220.00	13,849	4.4%
502.00	502.00	25,176	5.7%	503.00	2,536	10.1%

Air/Water Check: H2O ~4.1% N2 ~0.7% O2 ~0.2% CO2 ~0.3% N2/H2O ~18.0%

Column(1) Flow: 1.02 Column(2): 3.33 ml/min Interface Temp: 280

Ramp Criteria:

Ion Focus maximum 90 volts using ion 502; Electron Multiplier Gain 21798.990

Repeller maximum 35 volts using ion 219; Gain Factor 0.2180

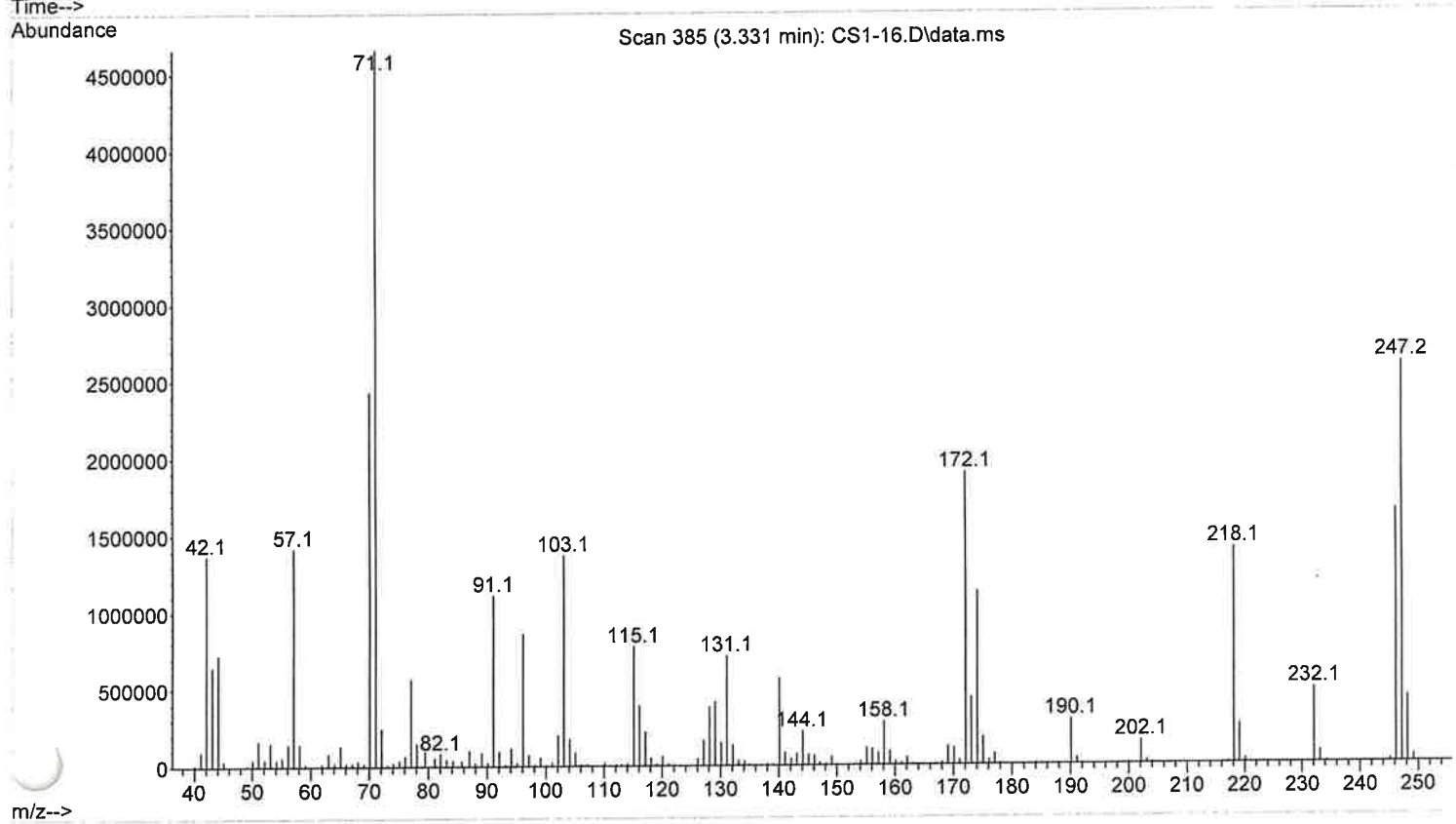
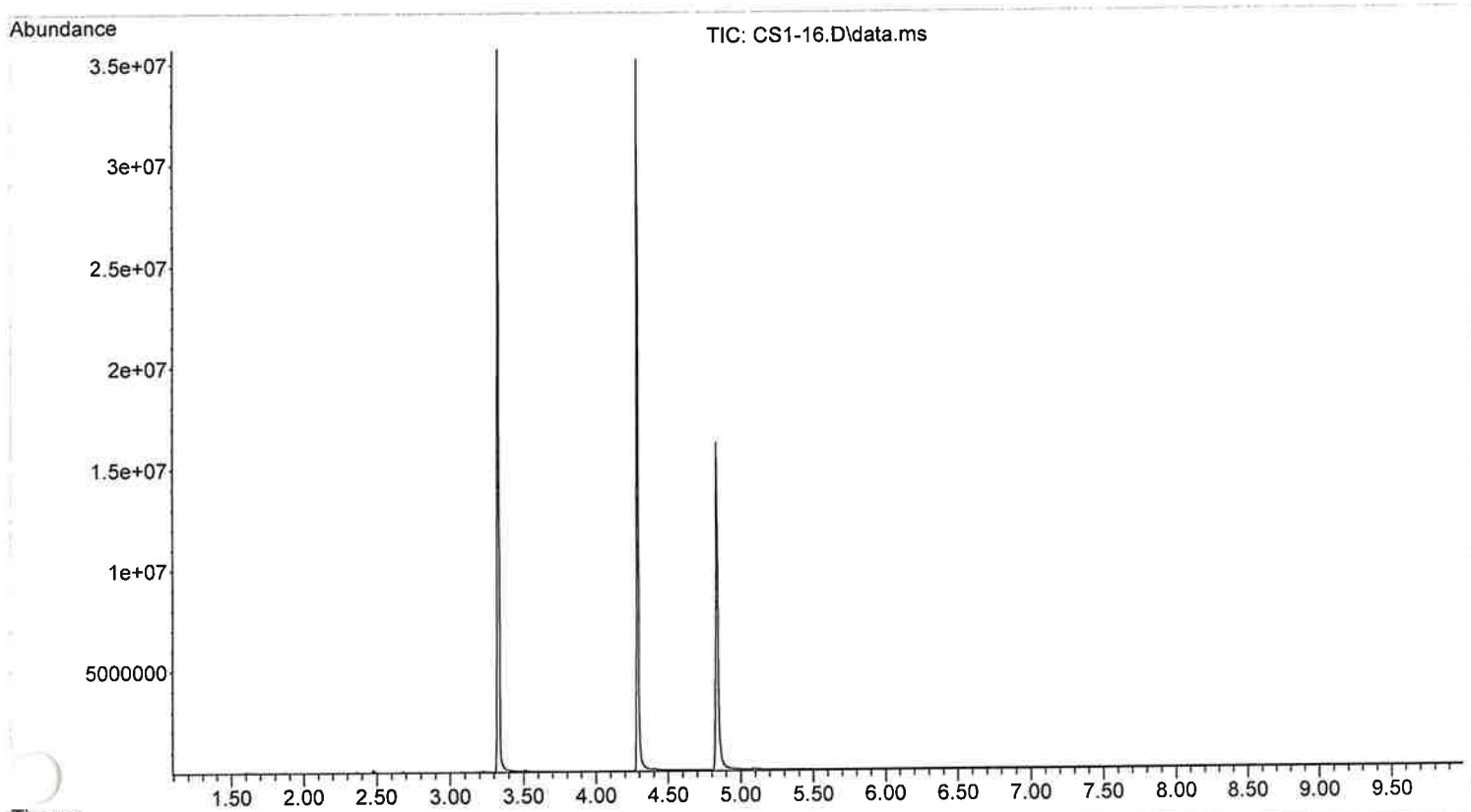
Mass Gain Values(Scan Speed): -566(3) -565(2) -541(1) -523(0) -444(FS1) -443(FS2)

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: 1/6/2023 11:11 AM (UTC-06:00)

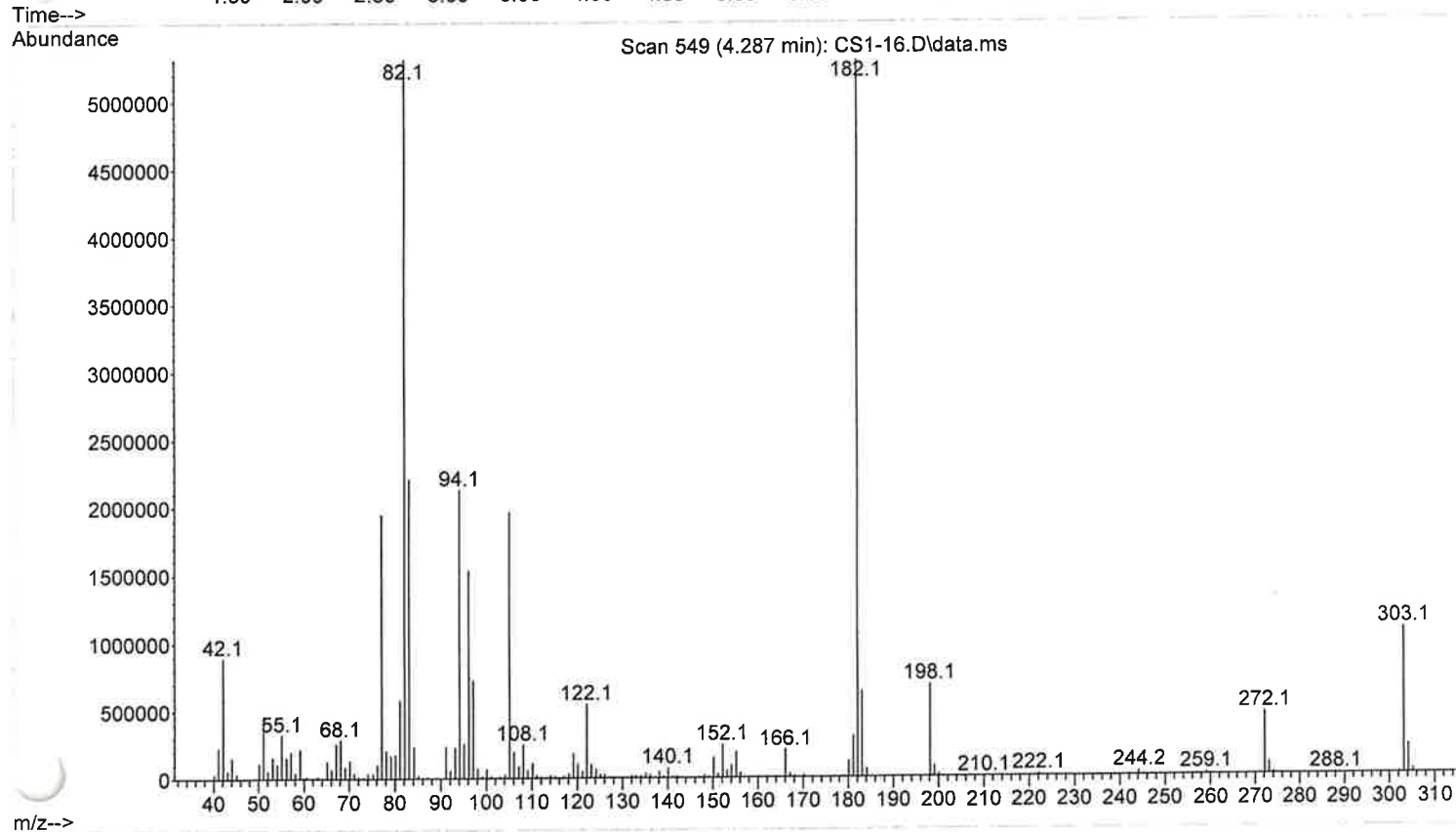
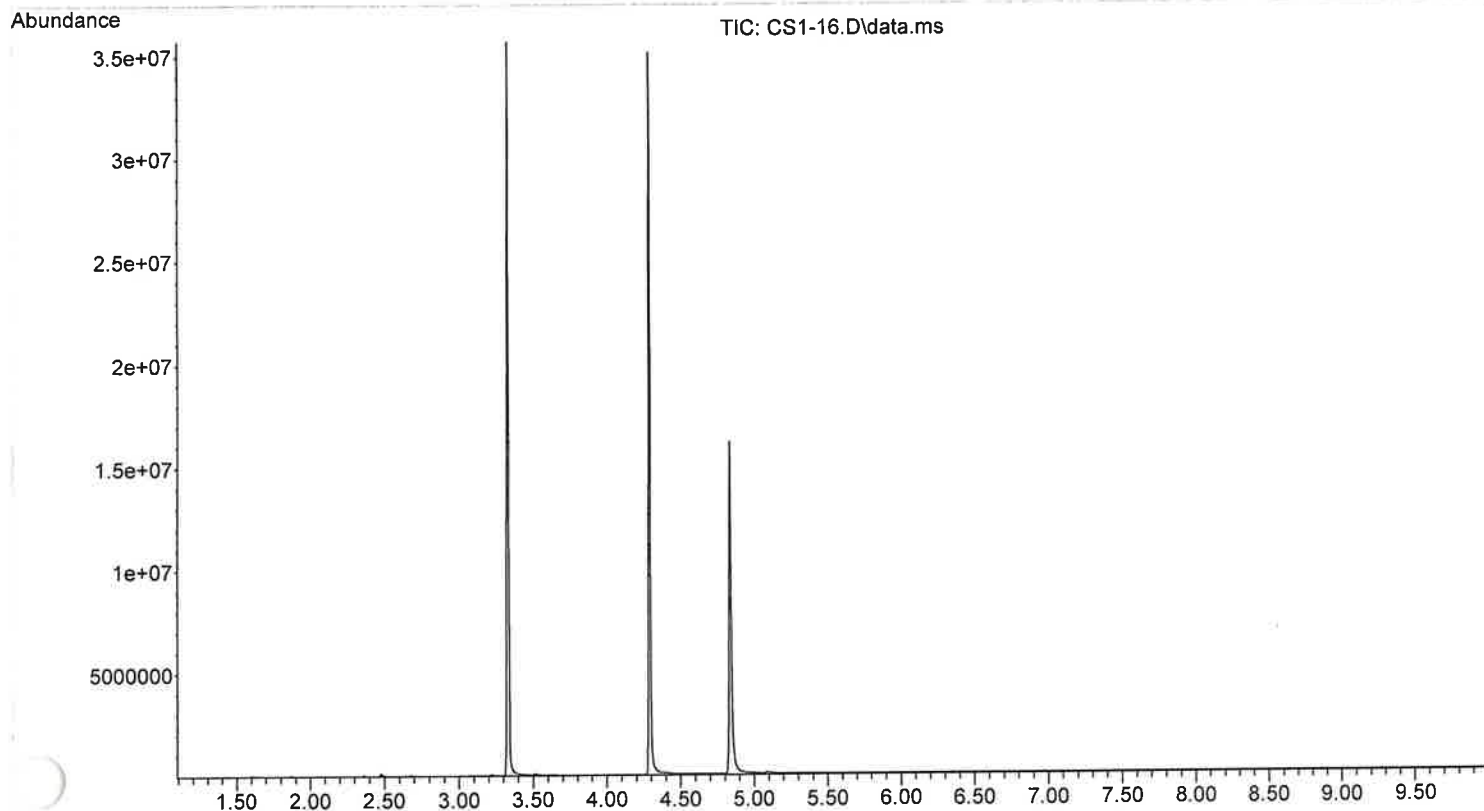
GAG 1-6-2023 3

File :C:\MassHunter\GCMS\1\data\2023\GJG\CS1-16.D
Operator :
Acquired : 06 Jan 2023 11:16 using AcqMethod ASMSDRUGS100.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD -- 100-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Via Number: 2



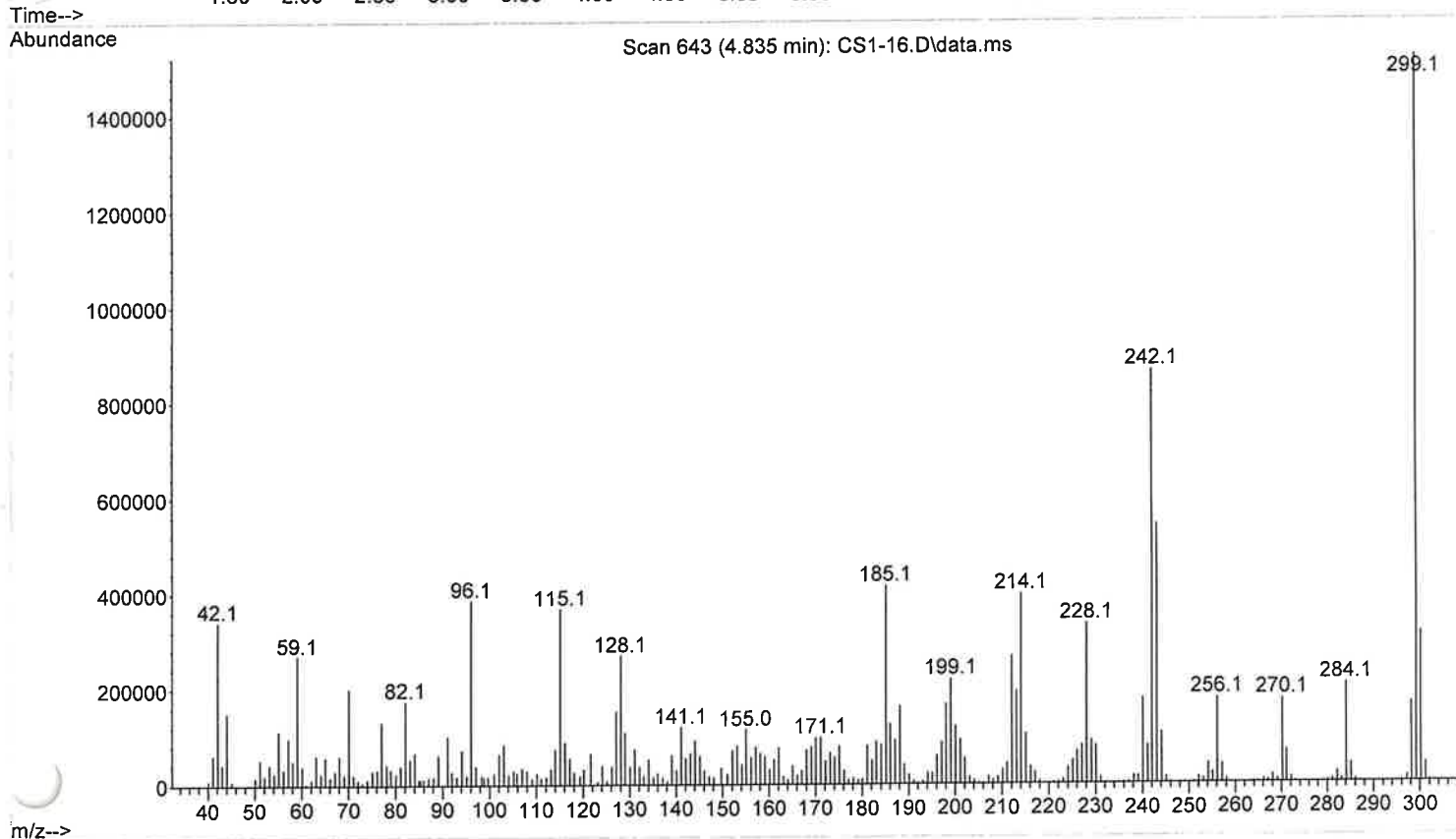
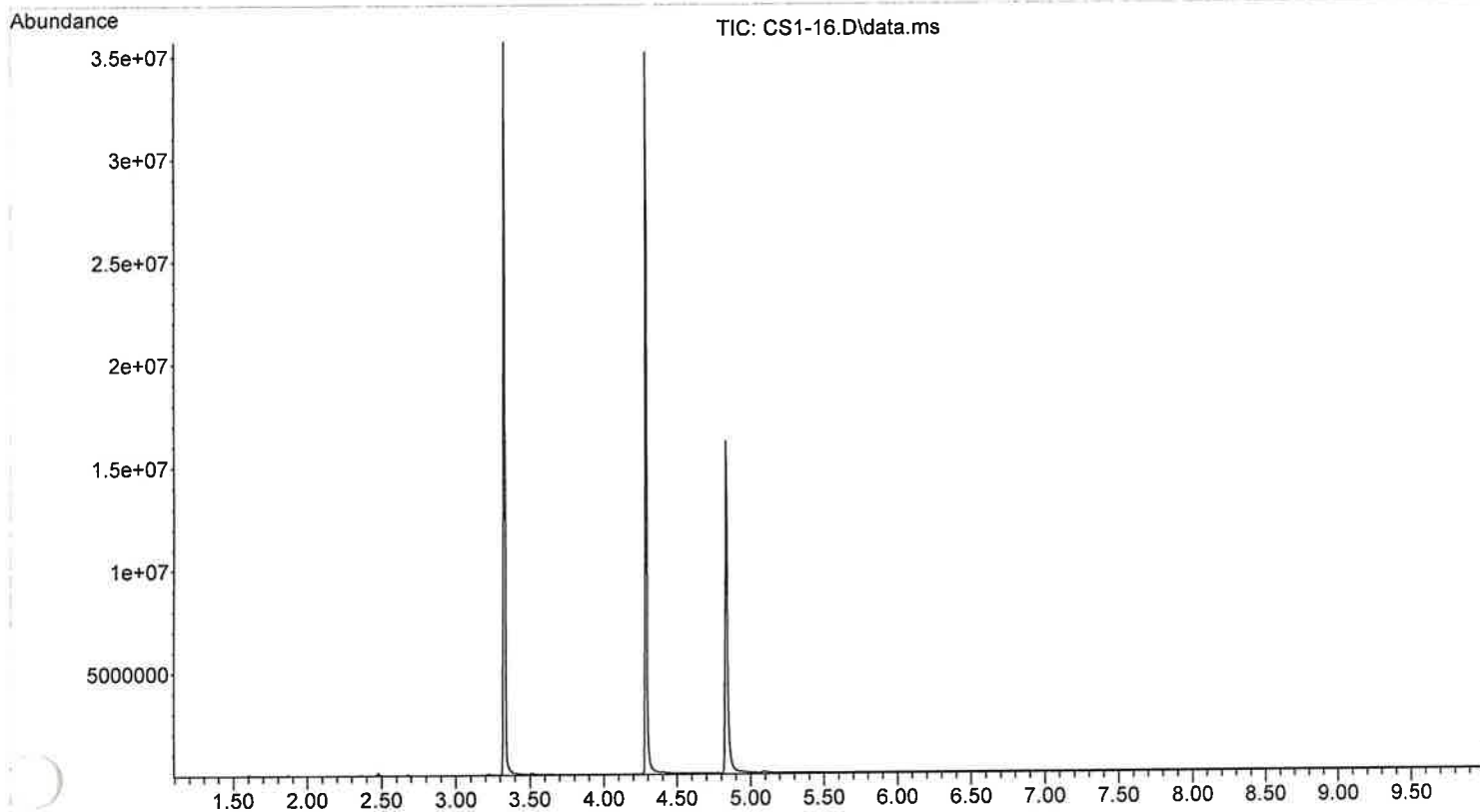
GJG 1-6-2023

File :C:\MassHunter\GCMS\1\data\2023\GJG\CS1-16.D
Operator :
Acquired : 06 Jan 2023 11:16 using AcqMethod ASMSDRUGS100.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD -- 100-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Via Number: 2



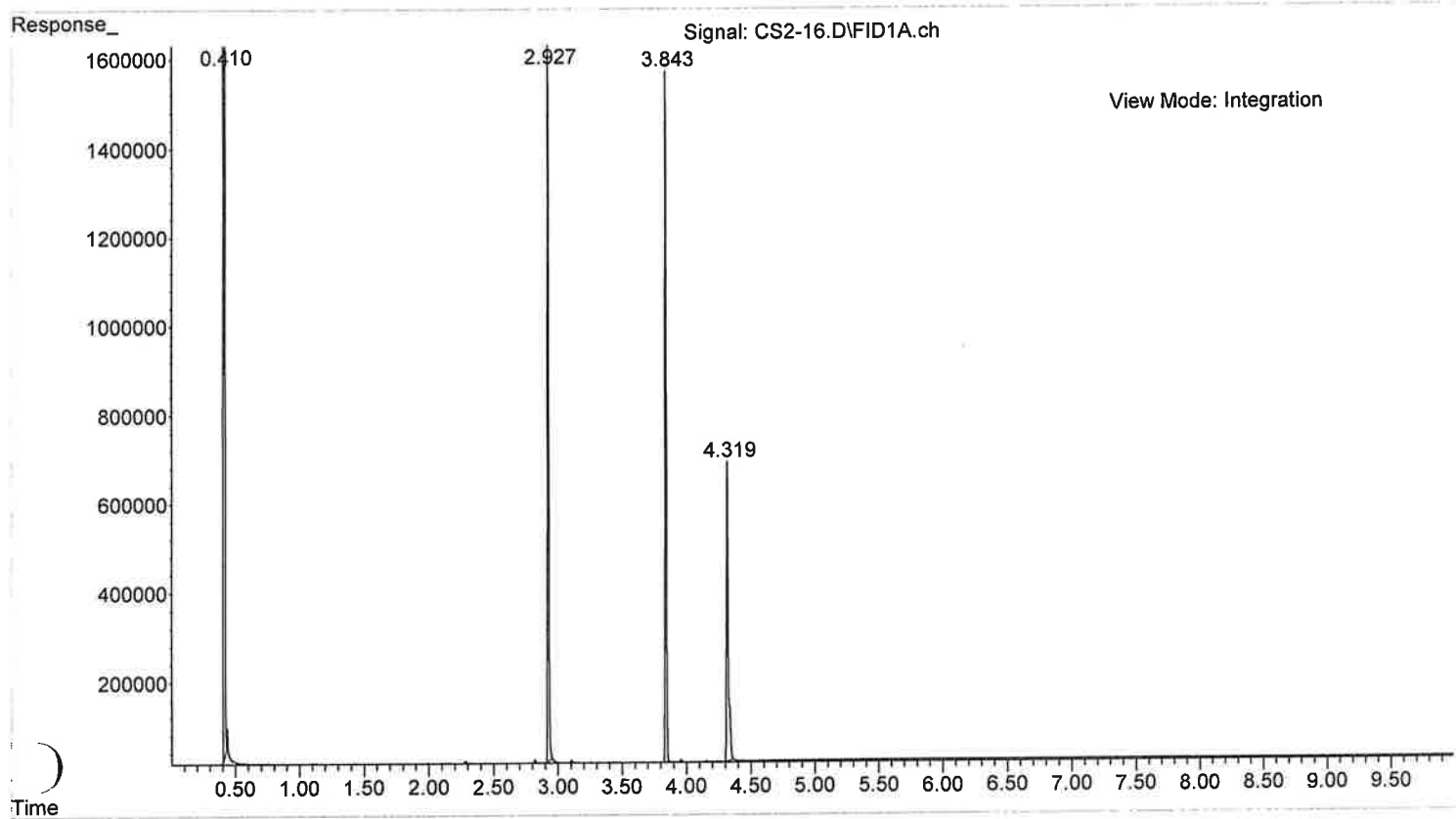
GJG-6-2023

File :C:\MassHunter\GCMS\1\data\2023\GJG\CS1-16.D
Operator :
Acquired : 06 Jan 2023 11:16 using AcqMethod ASMSDRUGS100.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD -- 100-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 2



GJG 1-6-2023

File :C:\MassHunter\GCMS\1\data\2023\GJG\CS2-16.D
Operator :
Acquired : 06 Jan 2023 11:48 using AcqMethod ASGC100.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD -- 100-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Via Number: 2



GJG 1-6-2023

VALIDATION OVERVIEW

Agilent 7890A GC System – Serial # CN1041074

Agilent 5975A GC/MSD – Serial # US10423616

EGGROLL

The following documentation validates gas chromatograph / mass spectrometer instrumentation, identified as Eggroll, for analytical utilization in the Forensic Chemistry Unit (FCU) of the Tennessee Bureau of Investigation Crime Laboratory in Nashville, Tennessee. This instrument was dismantled and reassembled in an alternate location within the FCU to facilitate installation of a GC/IR in convenient proximity to other instruments of that configuration. Also, 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. Method establishment with parametric consideration of system temperature (inlet, GC oven ramping and duration, FID, transfer line, MS source, MS quad), columns (GC and MS), pressure (inlet, column), flow rates (column, split/split less, FID -- H₂, air and makeup gases), split ratio, liners and auto sampling tower specifications and adjustments thereunto the aforementioned inaugurates performance verification of Agilent 7890A GC System and 5975A 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 7890A GC System and 5975A GC/MSD, Eggroll, has been evaluated and is fit for use in the analysis of all controlled substances in the Forensic Chemistry Unit.

INSTRUMENT AND COMPONENT SPECIFICATIONS

Agilent 7890A GC System – Serial # CN1041074

Agilent 5975A GC/MSD – Serial # US10423616

EGGROLL

GAS CHROMATOGRAPH

Agilent 7890 GC System (G3540A)

Serial # CN1041074

MASS SPECTROMETER

Agilent 5975A GC/MSD (G3172A)

Serial # US104236316

AUTO SAMPLER TRAY

Agilent 7693 (G4514A)

Serial # CN10390015

AUTO SAMPLER TOWERS

GC (G4513A)

Serial # CN11100063

Mass Spec (G4513A)

Serial # CN10370164

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	EGGROLL
Processor	11 th Gen Intel (R) Core (TM) i5-11600 CPU @ 2.80 GHz 2.81 GHz
Installed RAM	16.0 GB (15.7 GB usable)
Device ID	E695E667-783D-492A-B78B-62A0C4466591
Product ID	00355-63022-12004-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

Copyright Agilent Technologies, Inc. 2019

PURPOSE OF VALIDATION

Agilent 7890A GC System – Serial # CN1041074

Agilent 5975A GC/MSD – Serial # US10423616

EGGROLL

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 Eggroll'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 7890A GC System – Serial # CN1041074

Agilent 5975A GC/MSD – Serial # US10423616

EGGROLL

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 7890A GC System – Serial # CN1041074

Agilent 5975A GC/MSD – Serial # US10423616

EGGROLL

Instrument Set-up

Eggroll was dismantled and reassembled in the bench space formerly utilized by Graceland. All electrical requirements and performance gases (helium, hydrogen and air) were in place prior to assembly.

Maintenance

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

Reviewing Method Parameters

Previously established Eggroll methods were reviewed and revised as needed.

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 GC100 method.

Higher Temperature Set Points – Buprenorphine and LSD standards will be analyzed on 200 Celsius methods with the exception of GC manual injection method (GC200) 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 280 Celsius isothermal methods. However, LSD will only be analyzed on GC280ISO and Buprenorphine will only be analyzed on GC280ISOTI methods, respectively.

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

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

PMDRUGS – Exclusive to Eggroll, a pulsed manual injection method, will be verified with the analysis of the LSD standard.

Evaluation

Acquired data from the aforementioned methods will be considered in the establishment of methods ensuring detection, chromatographic quality, total ion chromatograph and ion abundance as well as baseline separation of standard mixtures such as the 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 7890A GC System – Serial # CN1041074

Agilent 5975A GC/MSD – Serial # US10423616

EGGROLL

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 7890A GC System – Serial # CN1041074

Agilent 5975A GC/MSD – Serial # US10423616

EGGROLL

MASS SPEC – MANUAL INJECTION

MSDRUGS100 GC/MS CALIBRATION STANDARD MIX
GC/IR TEST SOLUTION

MSDRUGS200 GC/MS CALIBRATION STANDARD MIX
BUPRENORPHINE
LSD

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

MSDRUGSTI GC/MS CALIBRATION STANDARD MIX
GC/IR TEST SOLUTION
BUPRENORPHINE
LSD

MS280ISO BUPRENORPHINE
LSD

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

MS200TR GC/MS CALIBRATION STANDARD MIX

PMDRUGS

LSD

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

BUPRENORPHINE

LSD

ASMS280ISO

BUPRENORPHINE

LSD

ASMS100TR

GC/MS CALIBRATION STANDARD MIX

GC/IR TEST SOLUTION

ASMS200TR

GC/MS CALIBRATION STANDARD MIX

GC – MANUAL INJECTION

GC100

GC/MS CALIBRATION STANDARD MIX

GC200	GC/MS CALIBRATION STANDARD MIX
-------	--------------------------------

GC150ISO	GC/IR TEST SOLUTION
----------	---------------------

GC280ISO	LSD
----------	-----

GC280ISOTI	BUPRENORPHINE
------------	---------------

GC – AUTO SAMPLE INJECTION

ASGC100	GC/MS CALIBRATION STANDARD MIX 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: C:\MassHunter\GCMS\1\methods\MSDRUGS100.M

Method Sections To Run:

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

Method Comments:

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

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	C:\MassHunter\GCMS\1\methods\MSDRUGS100.M
Tune file	atune.u
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
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	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 1-2	40	550

Self-Cleaning Ion Source Parameters

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

C:\MassHunter\GCMS\1\methods\MSDRUGS100.M
Mon Jan 09 15:14:45 2023

rol 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 100 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 6.43 min

Equilibration Time 0.5 min
Max Temperature 450 °C
Minimum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 3
Solvent A Volume 2 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 3
Solvent B Volume 2 µL
Sample Washes 1
Sample Wash Volume 2 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
Injection Type Standard
I1 Airgap 0.2 µL
Solvent Wash Mode A, B

Back Injector	10 µL
Syringe Size	1 µL
Injection Volume	2
Solvent A Washes (PreInj)	3
Solvent A Washes (PostInj)	3 µL
Solvent A Volume	2
Solvent B Washes (PreInj)	3
Solvent B Washes (PostInj)	3 µL
Solvent B Volume	2
Sample Washes	1 µL
Sample Wash Volume	3
Sample Pumps	0 min
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	300 µL/min
Solvent Wash Draw Speed	6000 µL/min
Solvent Wash Dispense Speed	300 µL/min
Sample Wash Draw Speed	6000 µL/min
Sample Wash Dispense Speed	6000 µL/min
Injection Dispense Speed	0 sec
Viscosity Delay	Disabled
Sample Depth	Standard
Injection Type	0.2 µL
L1 Airgap	A, B
Solvent Wash Mode	
Sample Overlap	Sample overlap is not enabled
Mode	
ALS Errors	Pause for user interaction
Front SS Inlet He	***Excluded from Affecting GC's Readiness State***
Excluded from Readiness	Split
Mode	On 250 °C
Heater	On 8.5 psi
Pressure	On 45.194 mL/min
Total Flow	On 3 mL/min
Septum Purge Flow	Off
Gas Saver	50 :1
Split Ratio	41.367 mL/min
Split Flow	A Liner has not been selected.
Liner	
Back SS Inlet He	***Excluded from Affecting GC's Readiness State***
Excluded from Readiness	Split
Mode	On 250 °C
Heater	On 8.5 psi
Pressure	On 141.9 mL/min
Total Flow	On 3 mL/min
Septum Purge Flow	Off
Gas Saver	50 :1
Split Ratio	136.18 mL/min
Split Flow	A Liner has not been selected.
Liner	
Thermal Aux 2 (MSD Transfer Line)	
Temperature	On
Setpoint	280 °C
(Initial)	
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Column	
Column #1	

Flow	On
Setpoint	0.82733 mL/min
(Initial)	3.5062 mL/min
Post Run	
Column Information	19091S-602
HP-1MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm (Calibrated)
In	Front SS Inlet He
Out	MSD
(Initial)	100 °C
Pressure	8.5 psi
Flow	0.82733 mL/min
Average Velocity	52.55 cm/sec
Holdup Time	0.39644 min
Control Mode	Constant Flow
Column #2	
Pressure	On
Setpoint	8.5 psi
(Initial)	10 psi
Post Run	
Column Information	19091S-913
HP-1MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	15 m x 320 µm x 0.25 µm (Calibrated)
In	Back SS Inlet He
Out	Other
(Initial)	100 °C
Pressure	8.5 psi
Flow	2.7236 mL/min
Average Velocity	54.059 cm/sec
Holdup Time	0.46246 min
Control Mode	Constant Pressure
Column Outlet Pressure	0 psi
Front Detector FID	
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Makeup	He
Heater	On 300 °C
H2 Flow	Off
Air Flow	Off
Makeup Flow	Off
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	Off
Signals	
Signal #1: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	Off
Data Rate	50 Hz
Dual Injection Assignment	Back Sample
Signal #2: Test Plot	
Description	Test Plot
Save	Off
Data Rate	50 Hz
Dual Injection Assignment	Back Sample
Signal #3: Test Plot	

Description
Save
Data Rate
Dual Injection Assignment

Test Plot
Off
50 Hz
Back Sample

Signal #4: Test Plot
Description
Save
Data Rate
Dual Injection Assignment

Test Plot
Off
50 Hz
Back Sample

TUNE PARAMETERS for SN: US61633037

Trace Ion Detection is OFF.

34.610 : EMISSION
70.347 : ENERGY
34.961 : REPELLER
88.259 : IONFOCUS
25.500 : ENTRANCE_LENS
1435.294 : EMVOLTS

1635.294 : Actual EMV
1.02 : GAIN FACTOR

2126.000 : AMUGAIN
120.563 : AMUOFFSET
1.000 : FILAMENT
0.000 : DCPOLARITY
18.824 : ENTLENSOFFSET
-575.000 : MASSGAIN
-34.000 : MASSOFFSET

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

Method Path : C:\MassHunter\GCMS\1\methods\

Method File : MSDRUGS100.M

Title :

Update :

Response Via : Initial Calibration

Total Cpnds : 0

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

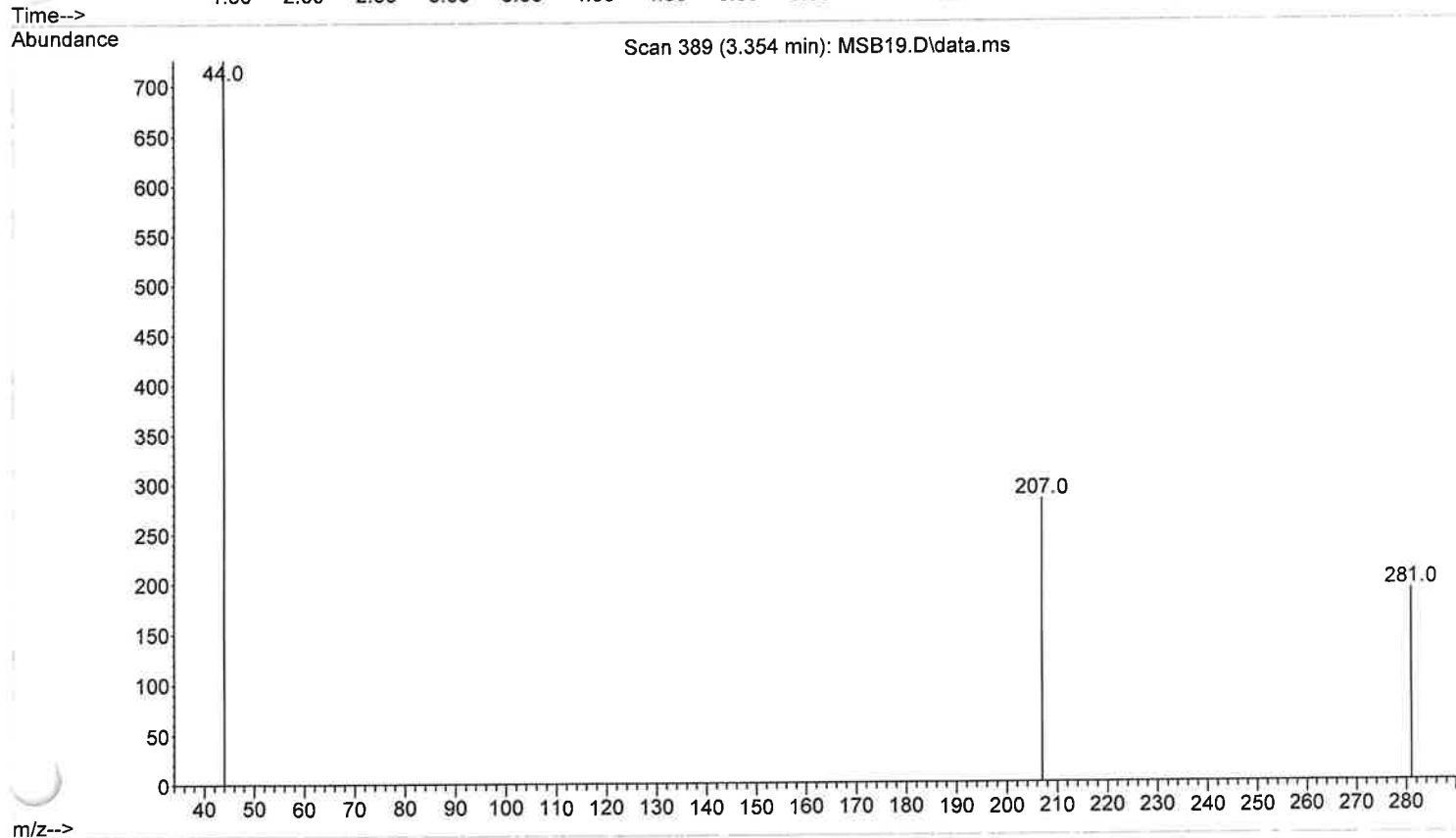
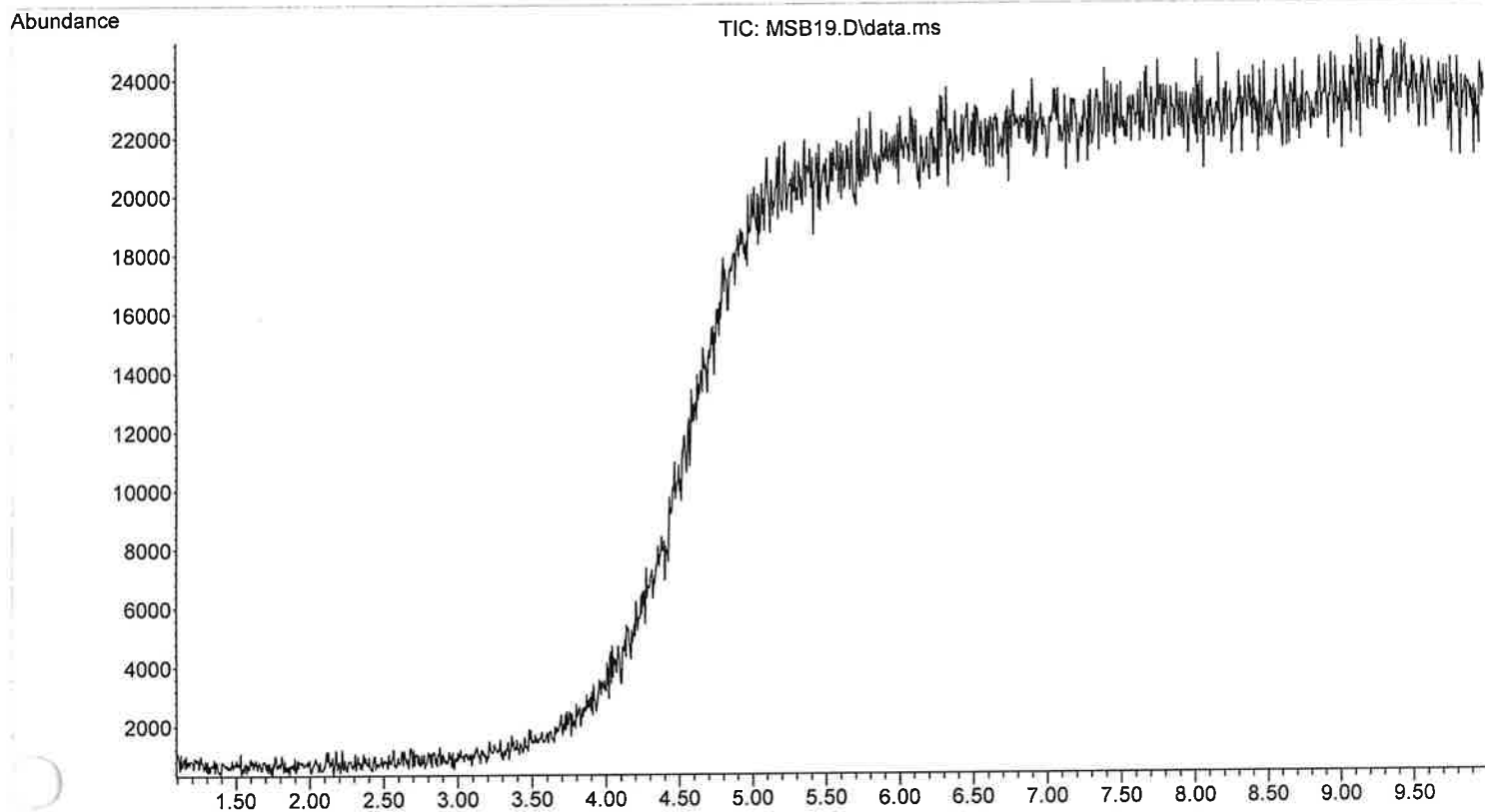
Cal A = Average L = Linear LO = Linear w/origin Q = Quad Q0 = Quad w/origin

#Qual = number of qualifiers

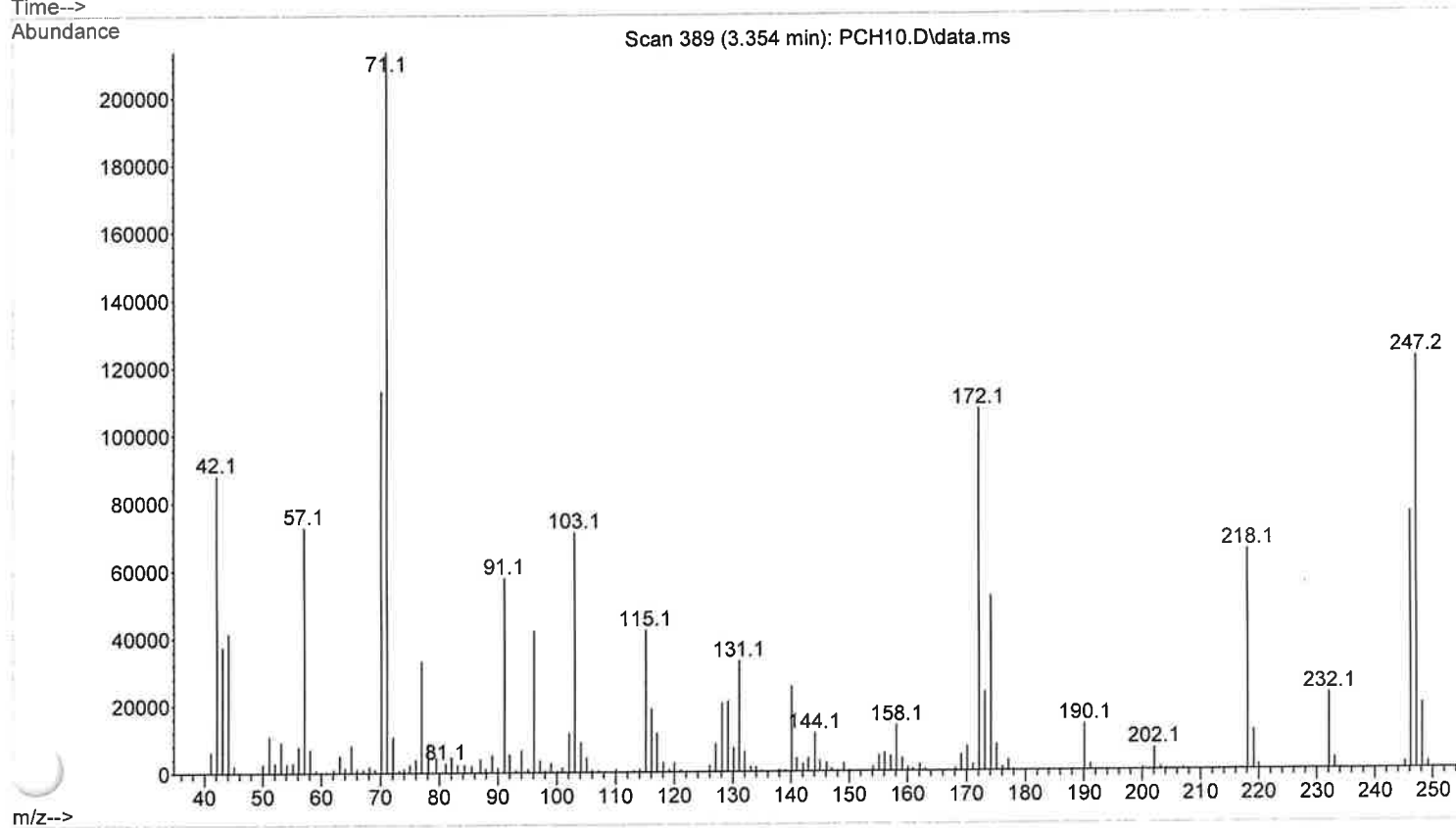
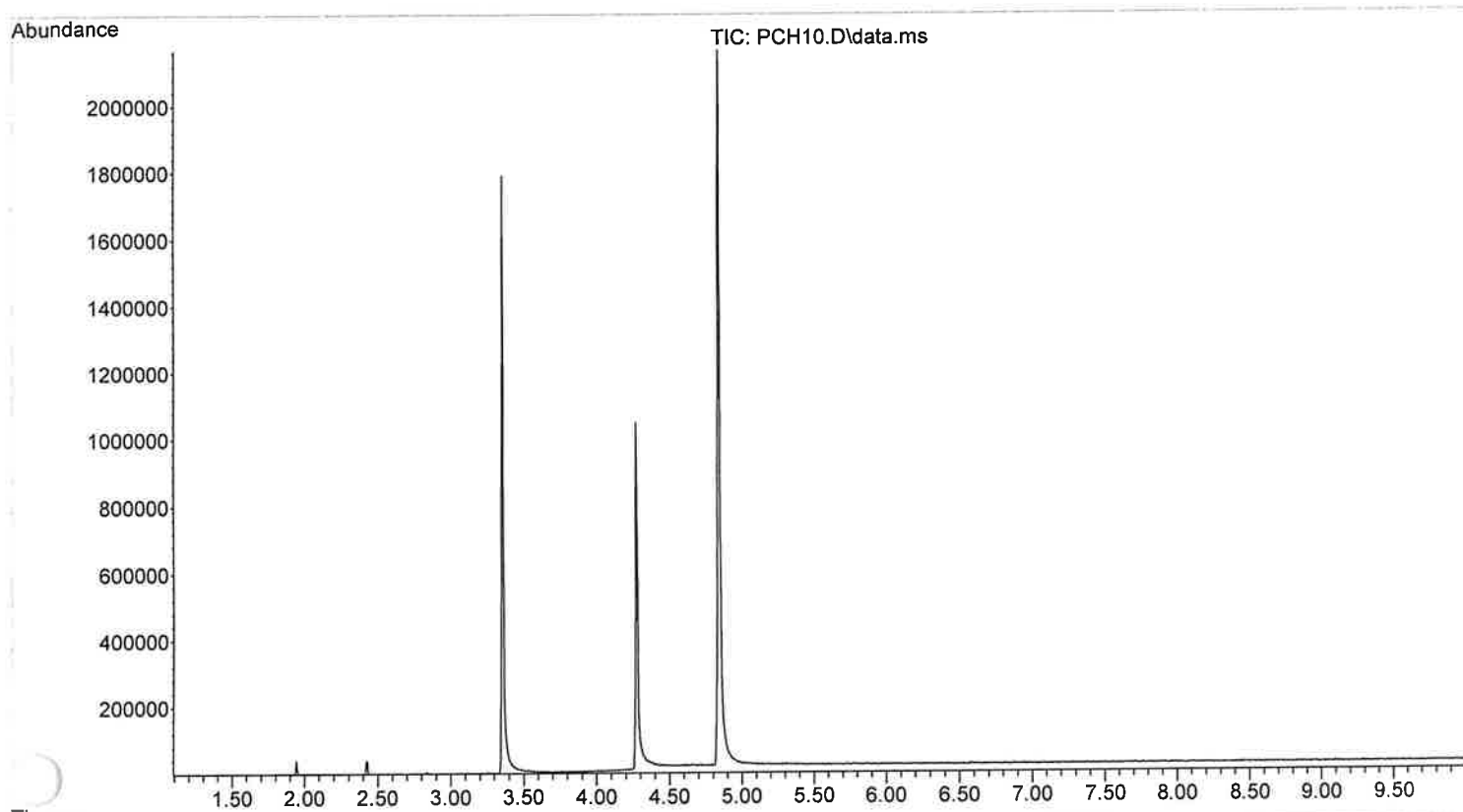
A/H = Area or Height

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

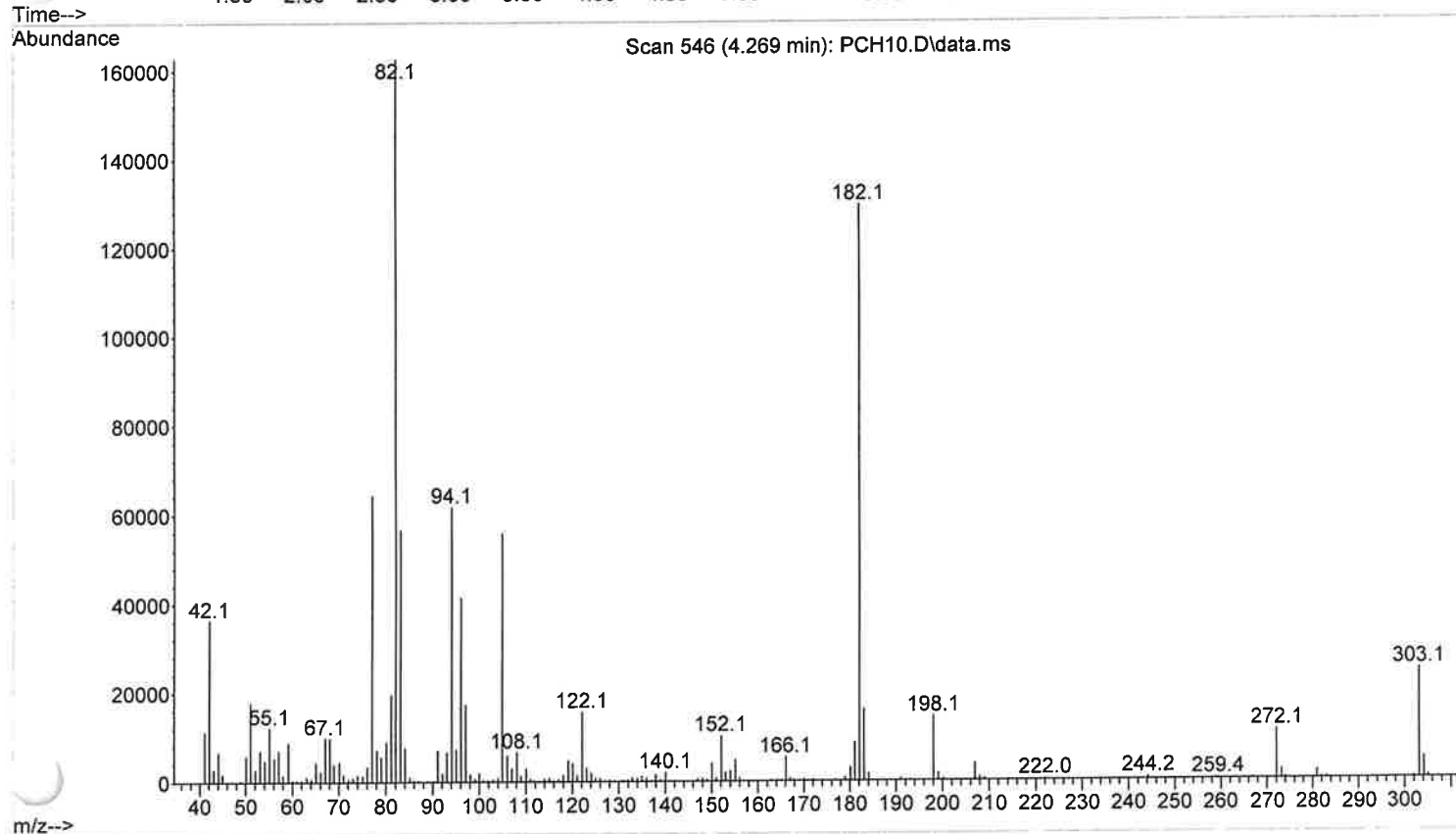
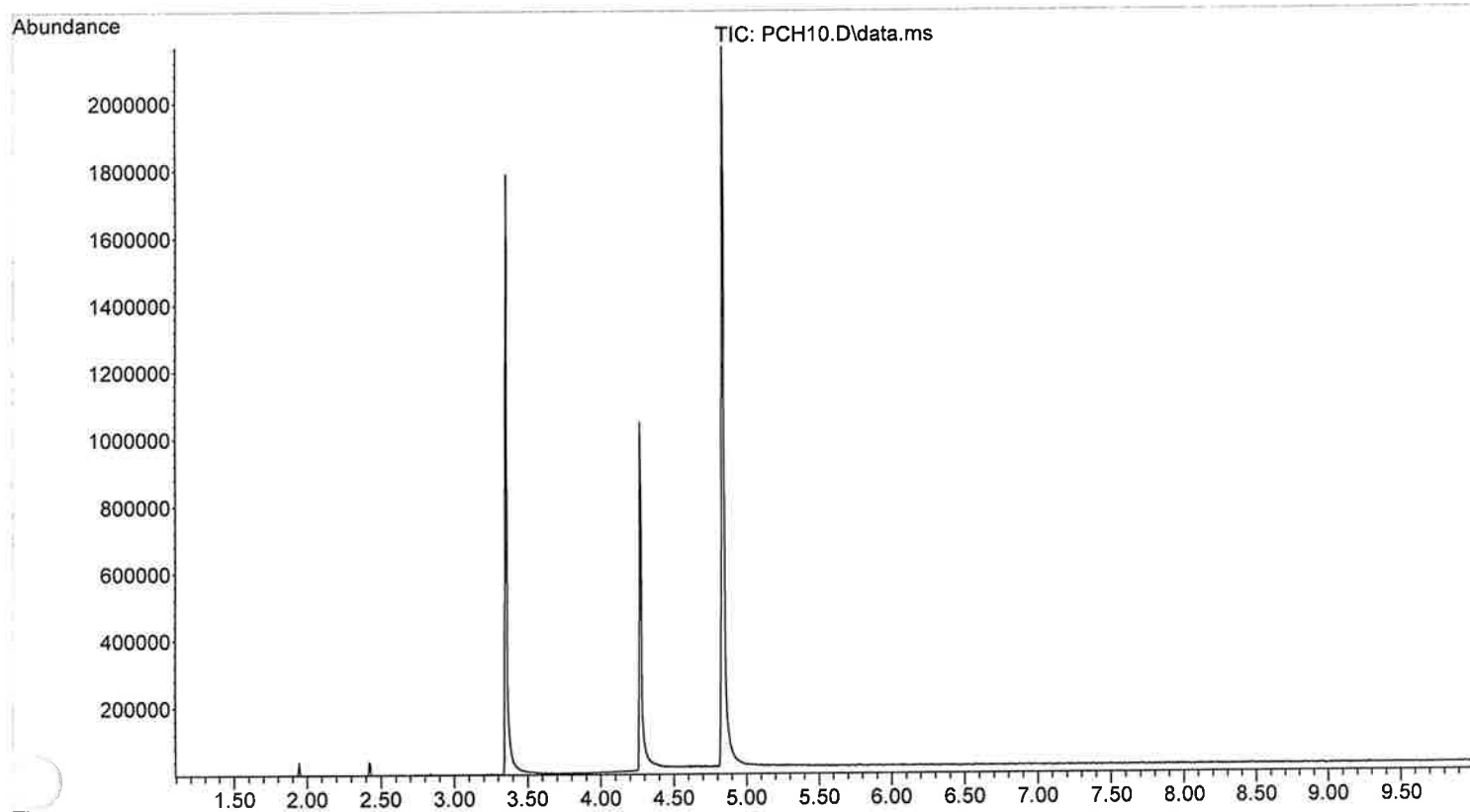
File :X:\2023\GJG\MSB19.D
Operator :
Acquired : 13 Feb 2023 16:00 using AcqMethod MSDRUGS100.M
Instrument : Eggroll
Sample Name: MEOH B FOR CALIBRATION STANDARD
Misc Info : 100-280
Via umber: 1



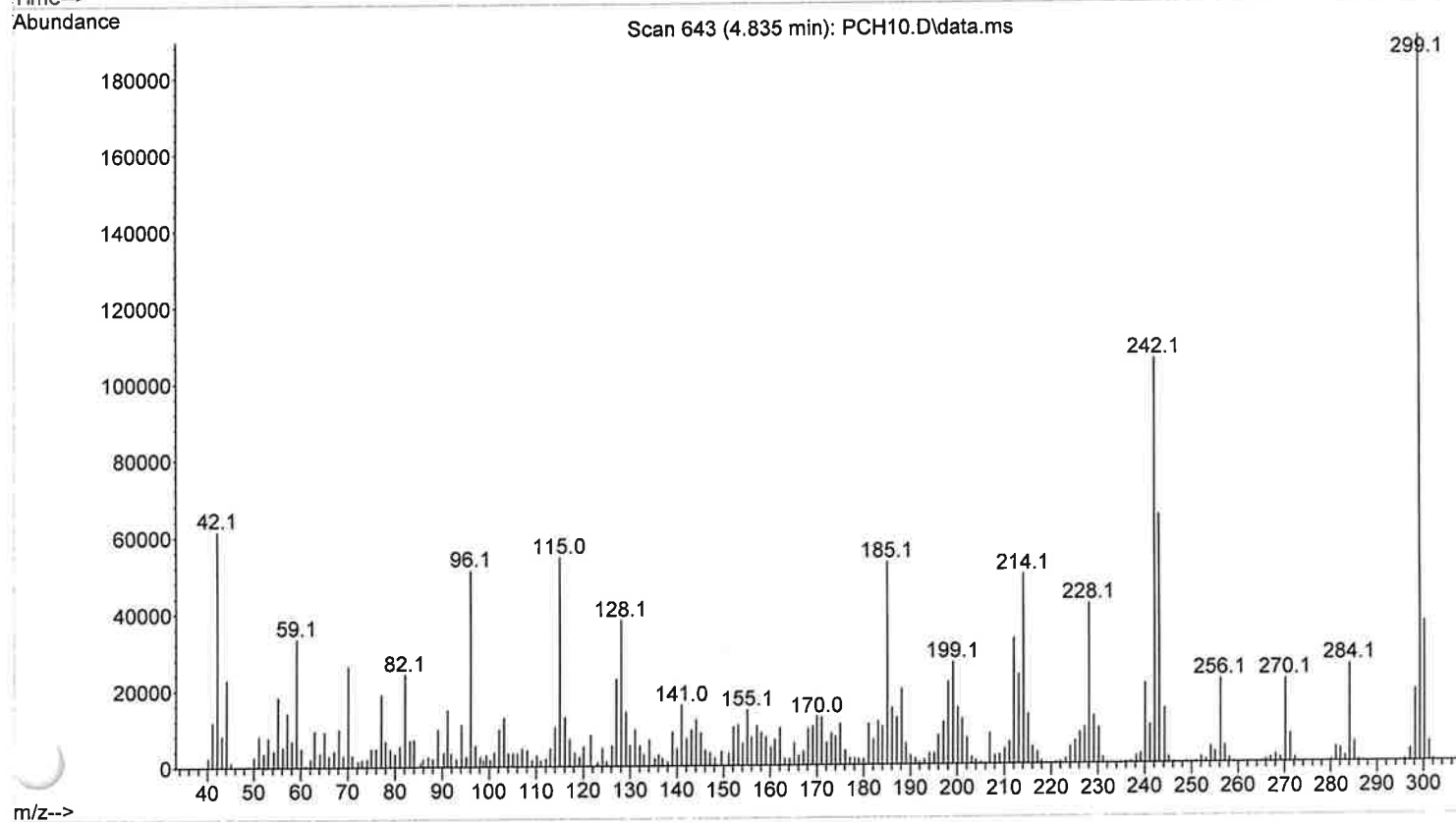
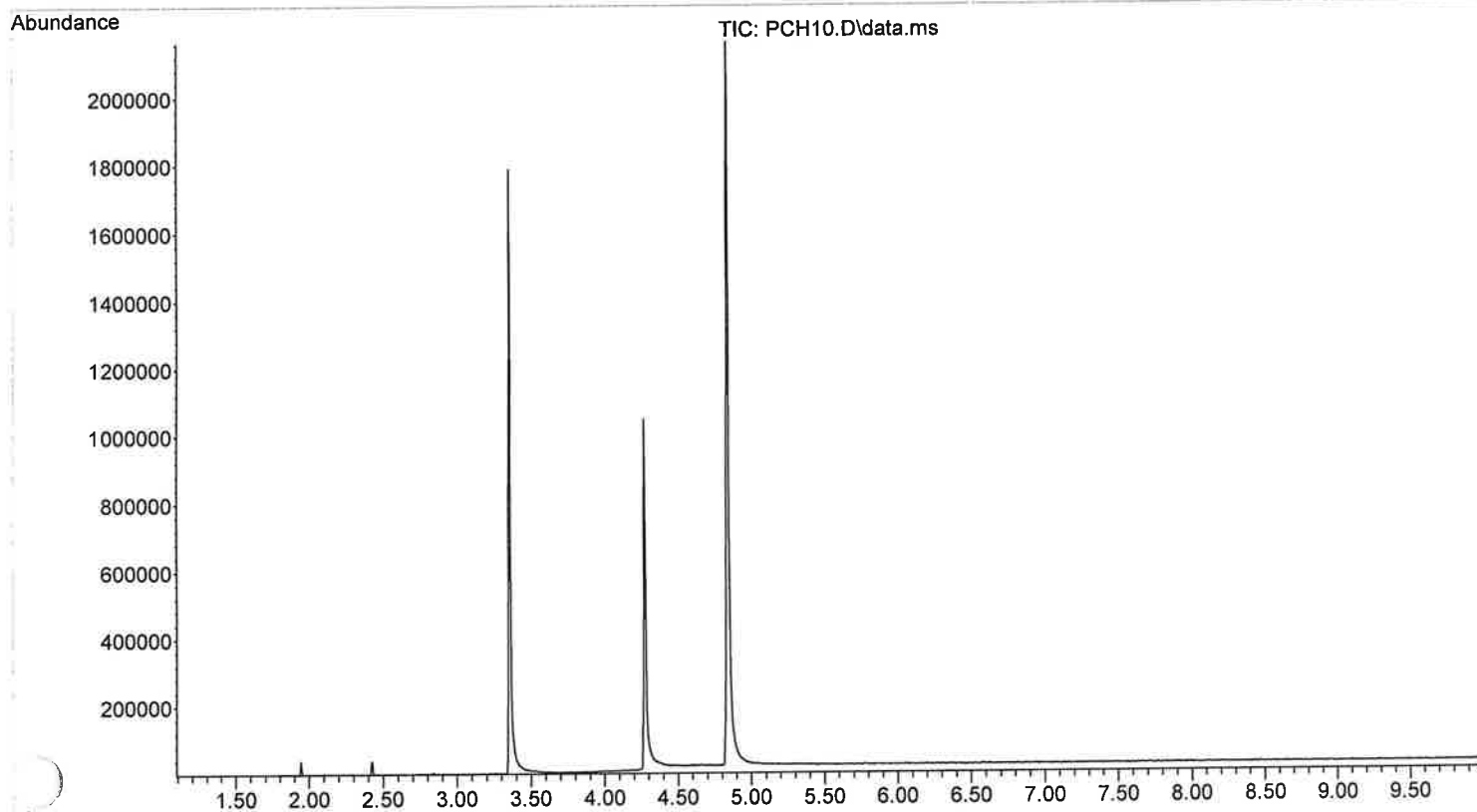
File :X:\2023\GJG\PCH10.D
Operator :
Acquired : 13 Feb 2023 16:13 using AcqMethod MSDRUGS100.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD -- 100-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 1



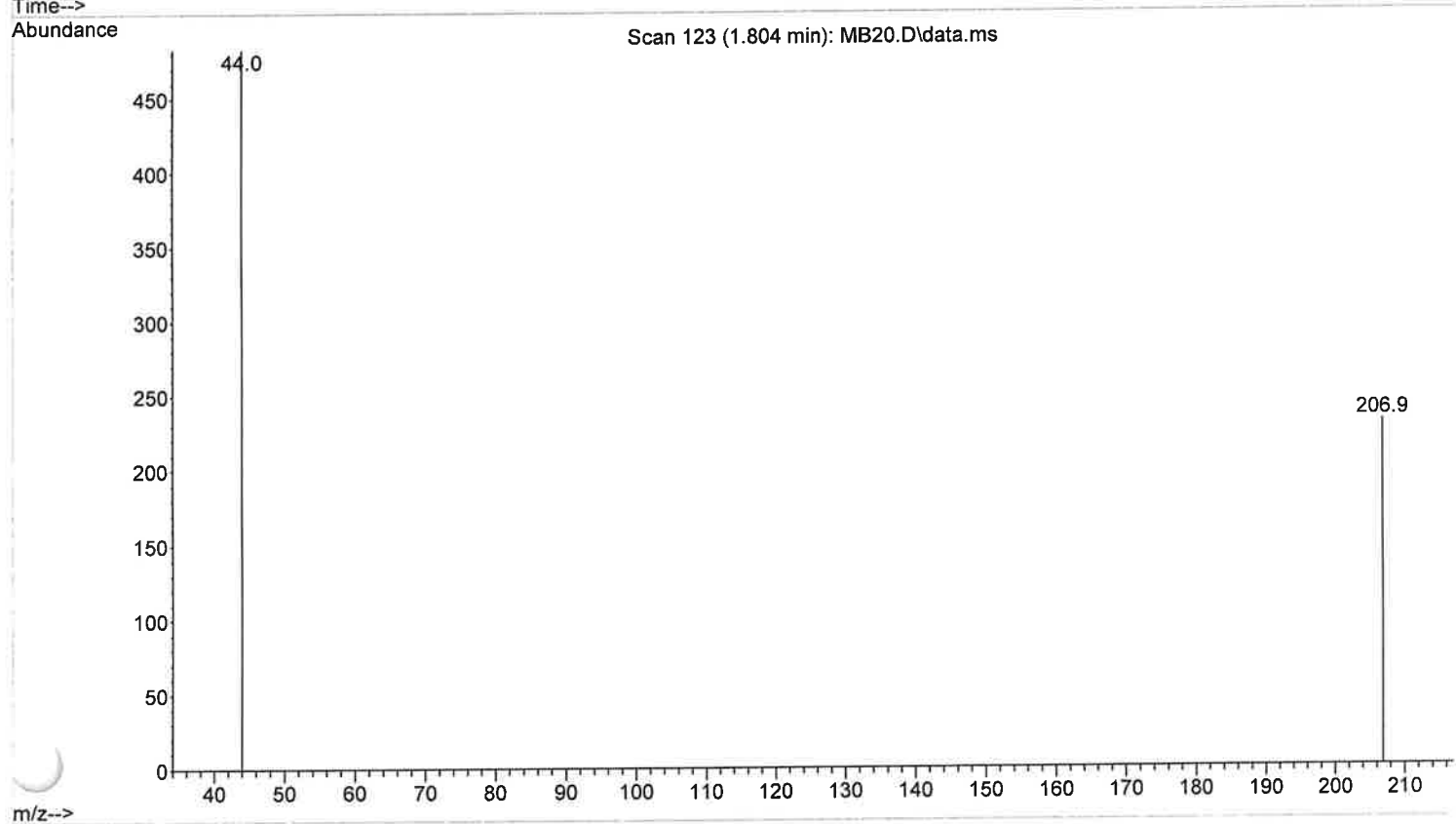
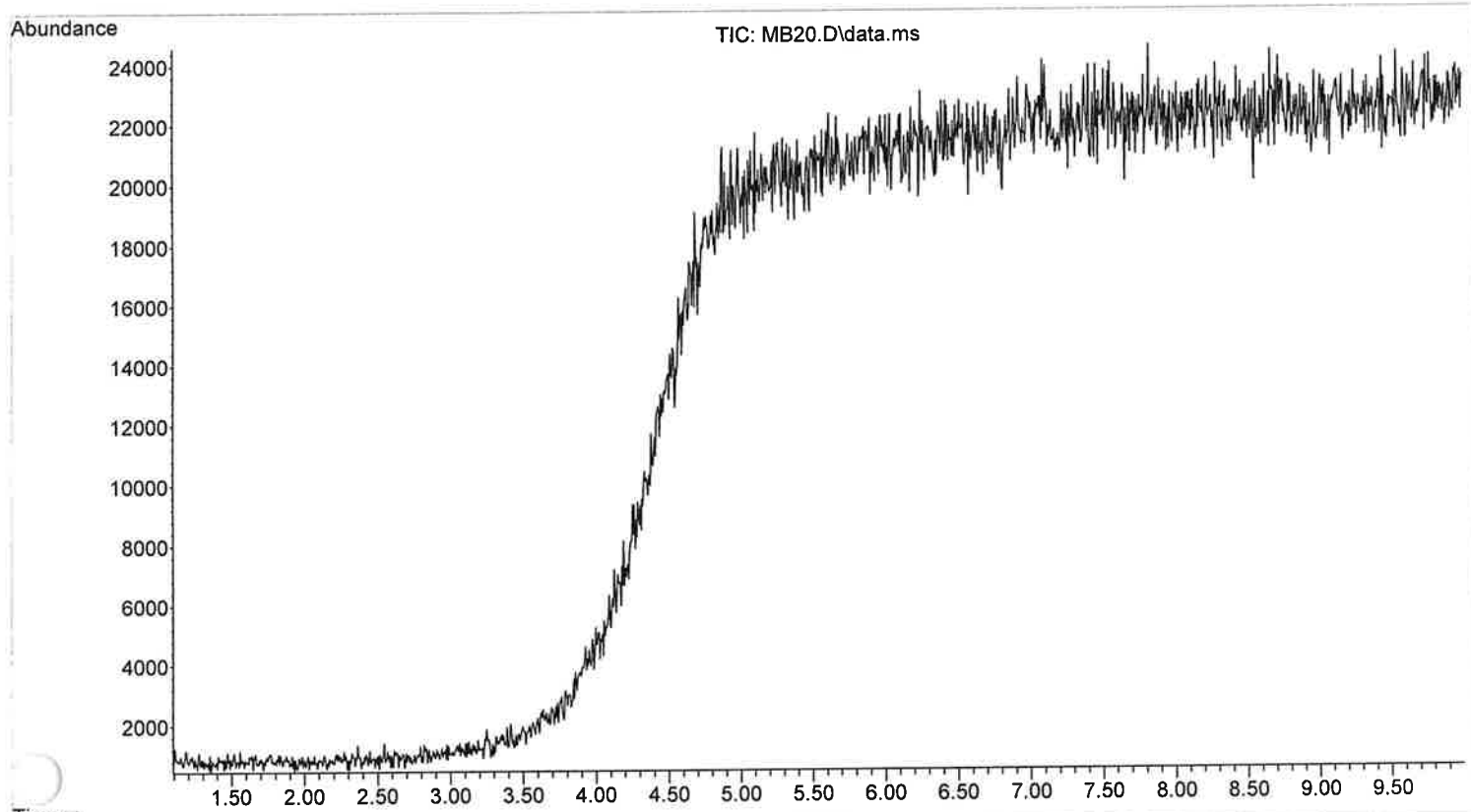
File :X:\2023\GJG\PCH10.D
Operator :
Acquired : 13 Feb 2023 16:13 using AcqMethod MSDRUGS100.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD -- 100-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 1



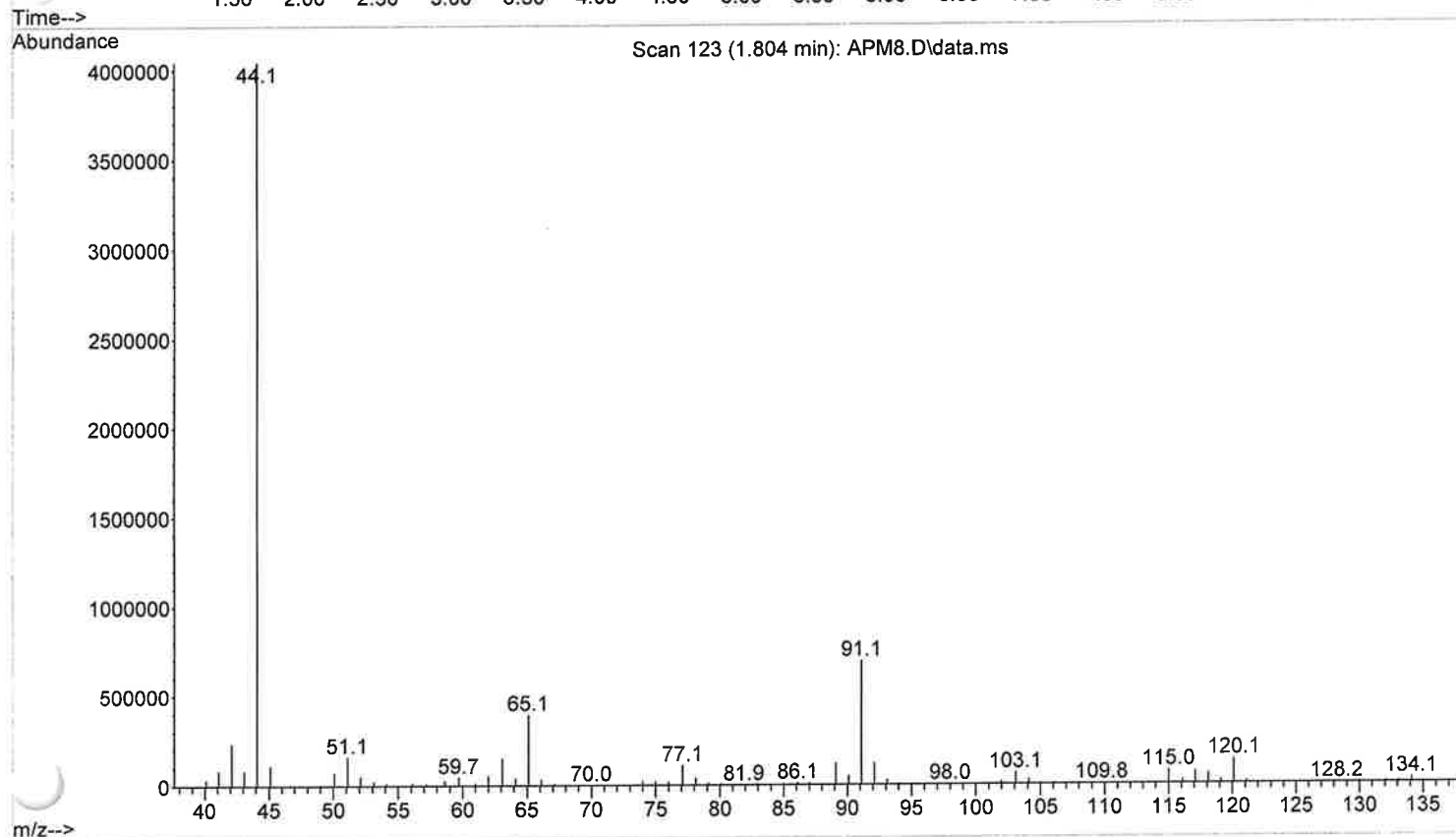
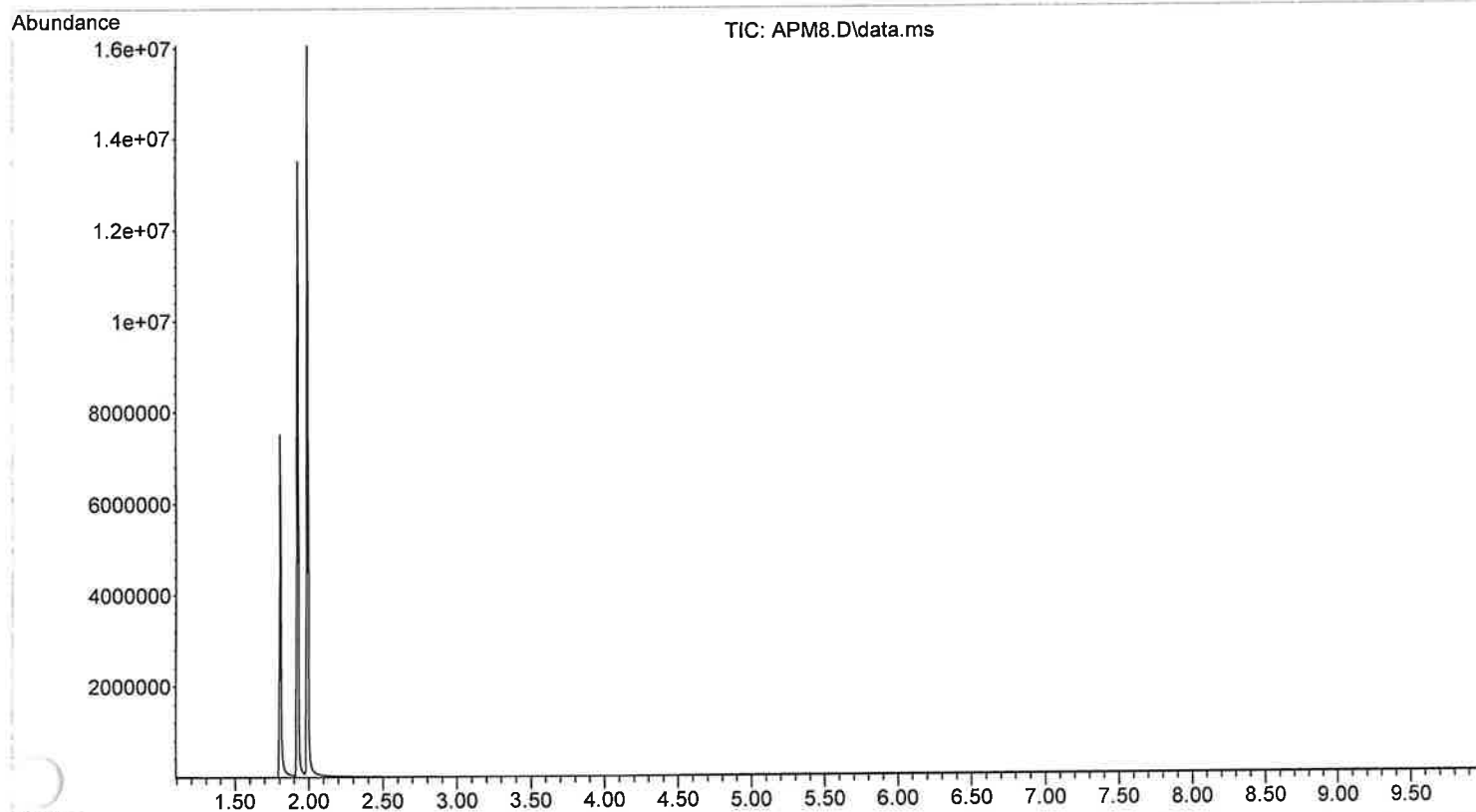
File :X:\2023\GJG\PCH10.D
Operator :
Acquired : 13 Feb 2023 16:13 using AcqMethod MSDRUGS100.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD -- 100-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 1



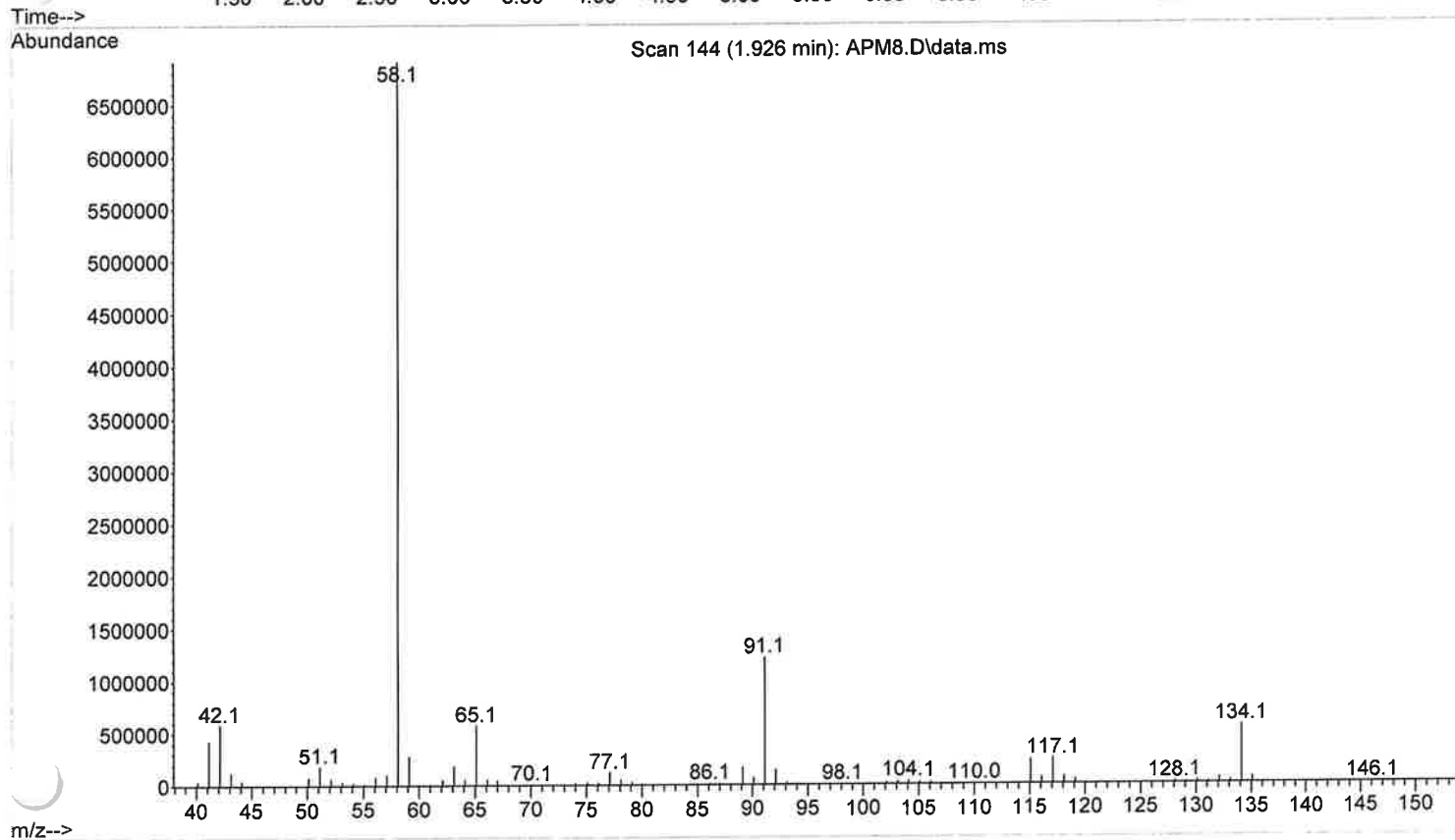
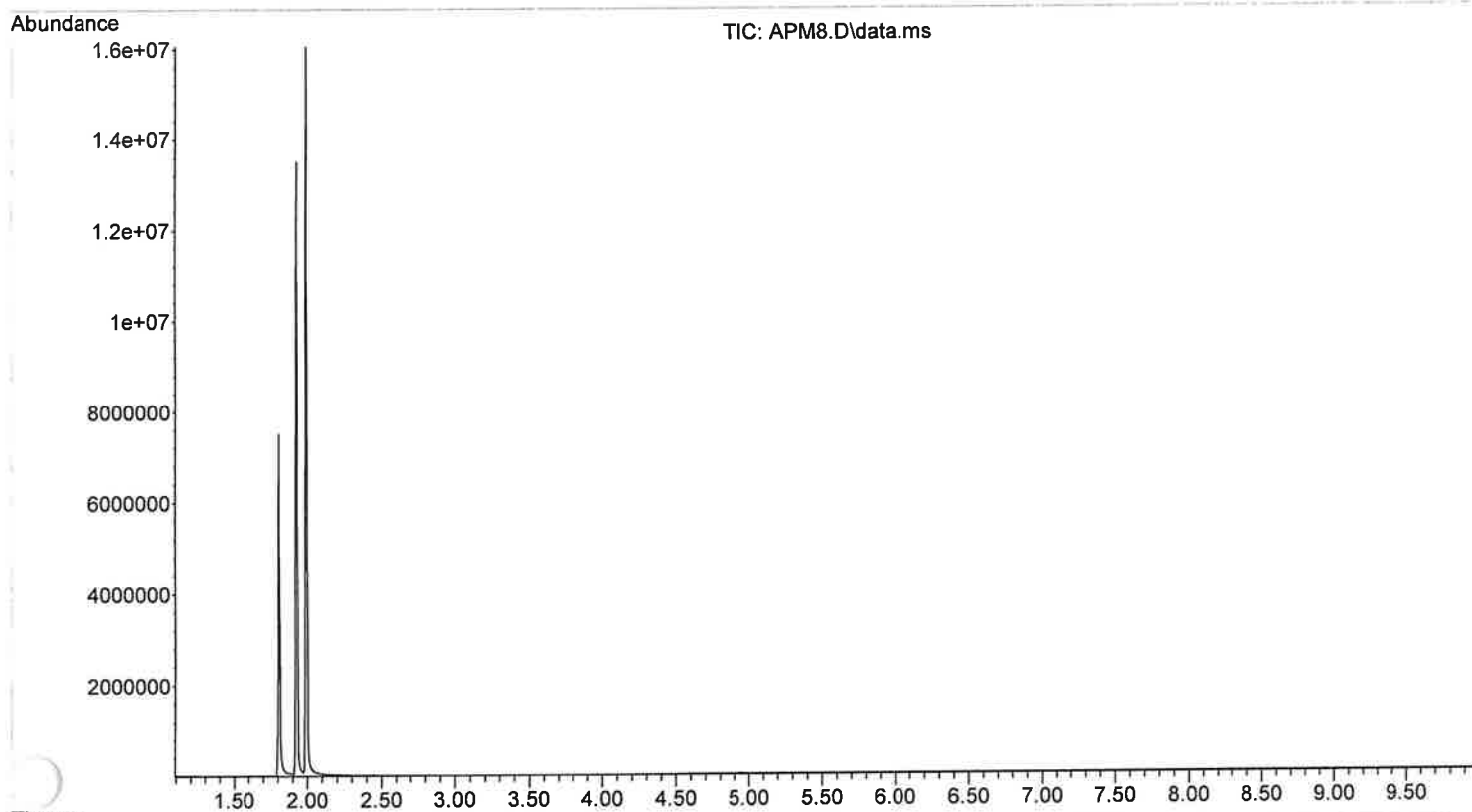
File :X:\2023\GJG\MB20.D
Operator :
Acquired : 13 Feb 2023 16:41 using AcqMethod MSDRUGS100.M
Instrument : Eggroll
Sample Name: MEOH B FOR GC/IR TEST SOLUTION
Misc Info : 100-280
Vial Number: 1



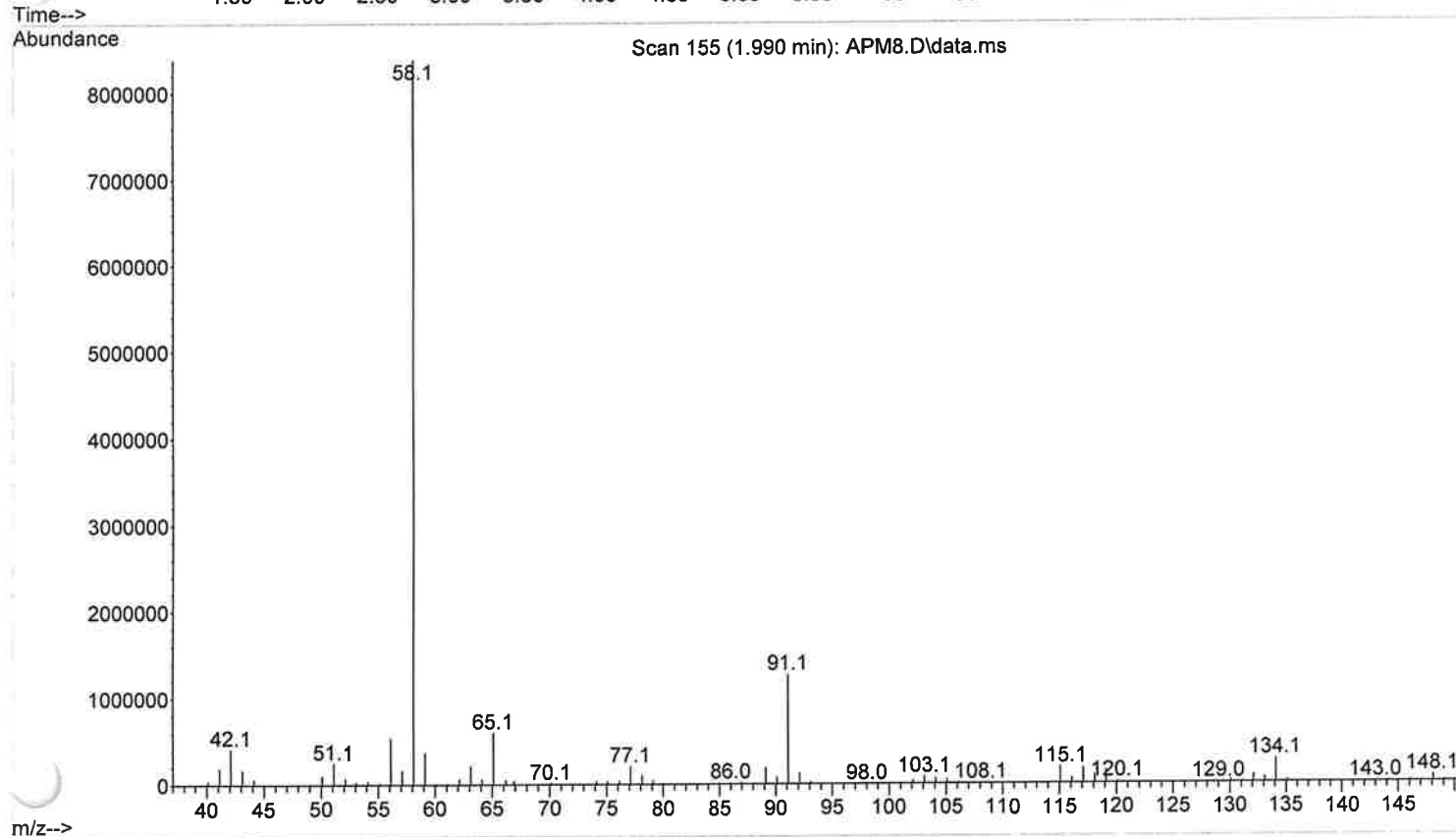
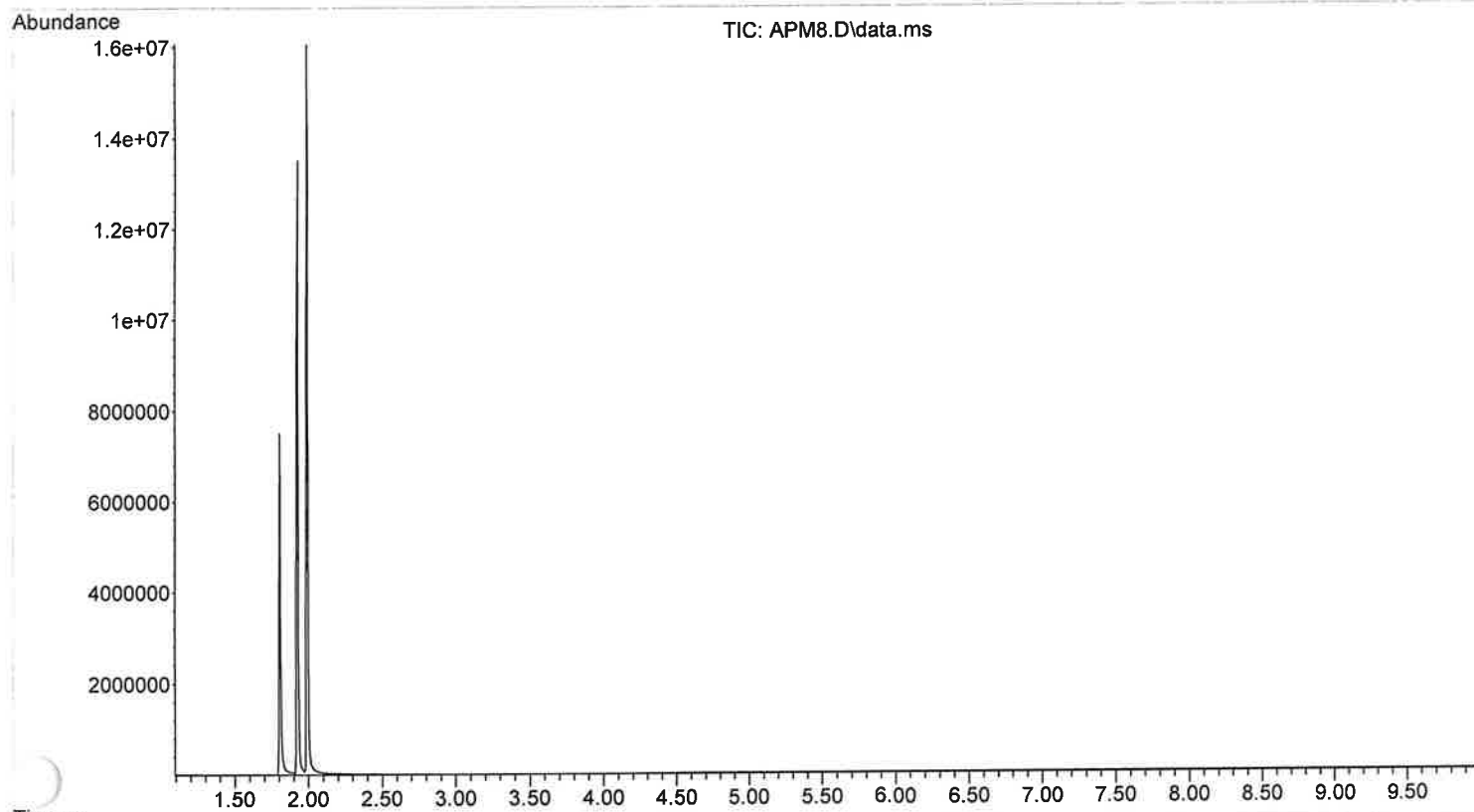
File :X:\2023\GJG\APM8.D
Operator :
Acquired : 13 Feb 2023 17:07 using AcqMethod MSDRUGS100.M
Instrument : Eggroll
Sample Name: GC/IR TEST SOLUTION -- 100-280
Misc Info : AMPHETAMINE / PHENTERMINE / METHAMPHETAMINE
Vial Number: 1



File :X:\2023\GJG\APM8.D
Operator :
Acquired : 13 Feb 2023 17:07 using AcqMethod MSDRUGS100.M
Instrument : Eggroll
Sample Name: GC/IR TEST SOLUTION -- 100-280
Misc Info : AMPHETAMINE / PHENTERMINE / METHAMPHETAMINE
Vial Number: 1



File :X:\2023\GJG\APM8.D
Operator :
Acquired : 13 Feb 2023 17:07 using AcqMethod MSDRUGS100.M
Instrument : Eggroll
Sample Name: GC/IR TEST SOLUTION -- 100-280
Misc Info : AMPHETAMINE / PHENTERMINE / METHAMPHETAMINE
Vial Number: 1



METHOD CONTROL PARAMETERS

Method Information for: C:\MassHunter\GCMS\1\methods\MSDRUGS200.M

Method Sections To Run:

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

Method Comments:

MS manual injection method 200-280 / 10 minutes.

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

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

Scan Time Segments

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

Timed Events

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

Real-Time Plots

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

Self-Cleaning Ion Source Parameters

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

C:\MassHunter\GCMS\1\methods\MSDRUGS200.M
Fri Jan 13 14:04:28 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 100 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 7.86 min

Equilibration Time 0.5 min
Max Temperature 450 °C
Minimum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 3
Solvent A Volume 2 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 3
Solvent B Volume 2 µL
Sample Washes 1
Sample Wash Volume 2 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
Injection Type Standard
L1 Airgap 0.2 µL
Solvent Wash Mode A, B

Back Injector	
Syringe Size	10 µL
Injection Volume	1 µL
Solvent A Washes (PreInj)	2
Solvent A Washes (PostInj)	3
Solvent A Volume	3 µL
Solvent B Washes (PreInj)	2
Solvent B Washes (PostInj)	3
Solvent B Volume	3 µL
Sample Washes	2
Sample Wash Volume	1 µL
Sample Pumps	3
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Solvent Wash Mode	A, B
Sample Overlap Mode	Sample overlap is not enabled
ALS Errors	Pause for user interaction
Front SS Inlet He Mode	Split
Heater	On 250 °C
Pressure	On 13.5 psi
Total Flow	On 44.838 mL/min
Septum Purge Flow	On 3 mL/min
Gas Saver	Off
Split Ratio	50 :1
Split Flow	41.017 mL/min
Liner	A Liner has not been selected.
Back SS Inlet He Mode	Split
Heater	On 250 °C
Pressure	On 8.5 psi
Total Flow	On 96.214 mL/min
Septum Purge Flow	On 3 mL/min
Gas Saver	Off
Split Ratio	50 :1
Split Flow	91.387 mL/min
Liner	A Liner has not been selected.
Thermal Aux 2 (MSD Transfer Line) Temperature	
Setpoint	On
(Initial)	280 °C
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	0.82034 mL/min

Post Run	3.5062 mL/min
Column Information	19091S-602
HP-1MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm (Calibrated)
	Front SS Inlet He
	MSD
(Initial)	200 °C
Pressure	13.5 psi
Flow	0.82034 mL/min
Average Velocity	54.354 cm/sec
Holdup Time	0.38329 min
Control Mode	Constant Flow

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

Column Information	19091S-913
HP-1MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	15 m x 320 µm x 0.25 µm (Calibrated)
In	Back SS Inlet He
Out	Other
(Initial)	200 °C
Pressure	8.5 psi
Flow	1.8277 mL/min
Average Velocity	45.999 cm/sec
Holdup Time	0.54349 min
Control Mode	Constant Pressure

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

Front Detector FID	
Makeup	He
Heater	On 300 °C
H2 Flow	Off
Air Flow	Off
Makeup Flow	Off
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	Off

Signals	
Signal #1: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	Off
Data Rate	50 Hz
Dual Injection Assignment	Front Sample

Signal #2: Test Plot	
Description	Test Plot
Save	Off
Data Rate	50 Hz
Dual Injection Assignment	Front Sample

Signal #3: Test Plot	
Description	Test Plot
Save	Off
Data Rate	50 Hz
Dual Injection Assignment	Back Sample

Signal #4: Test Plot
Description
Save
Data Rate
Dual Injection Assignment

Test Plot
Off
50 Hz
Back Sample

TUNE PARAMETERS for SN: US61633037

Trace Ion Detection is OFF.

34.610	:	EMISSION	
70.347	:	ENERGY	
34.961	:	REPELLER	
83.514	:	IONFOCUS	
28.500	:	ENTRANCE_LENS	
1470.588	:	EMVOLTS	
		1470.588	: Actual EMV
		0.28	: GAIN FACTOR
2128.000	:	AMUGAIN	
120.250	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
16.565	:	ENTLENDOFFSET	
-575.000	:	MASSGAIN	
-35.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

Method Path : C:\MassHunter\GCMS\1\methods\

Method File : MSDRUGS200.M

Title :

Update :

Response Via : Initial Calibration

Total Cpnds : 0

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

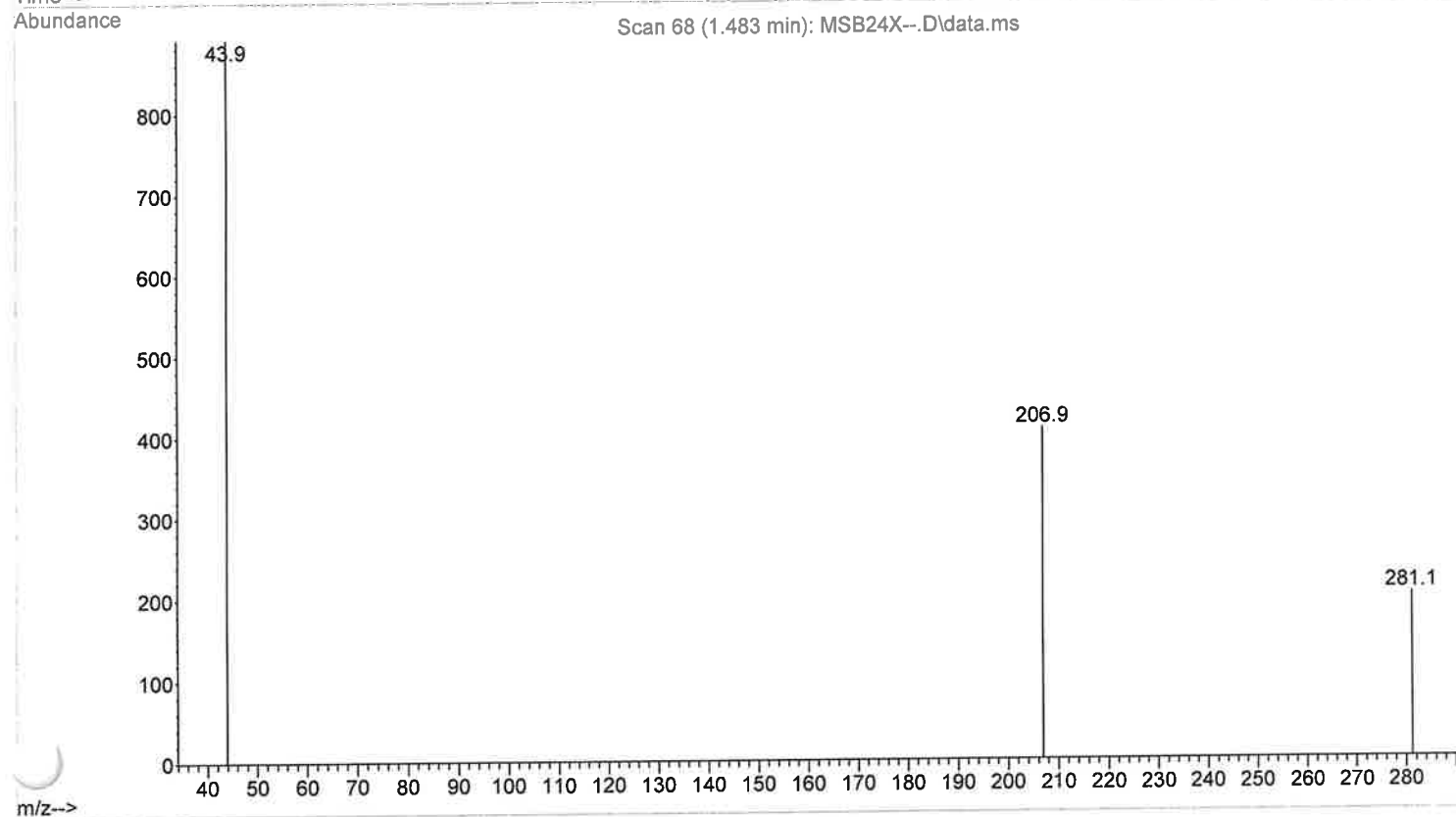
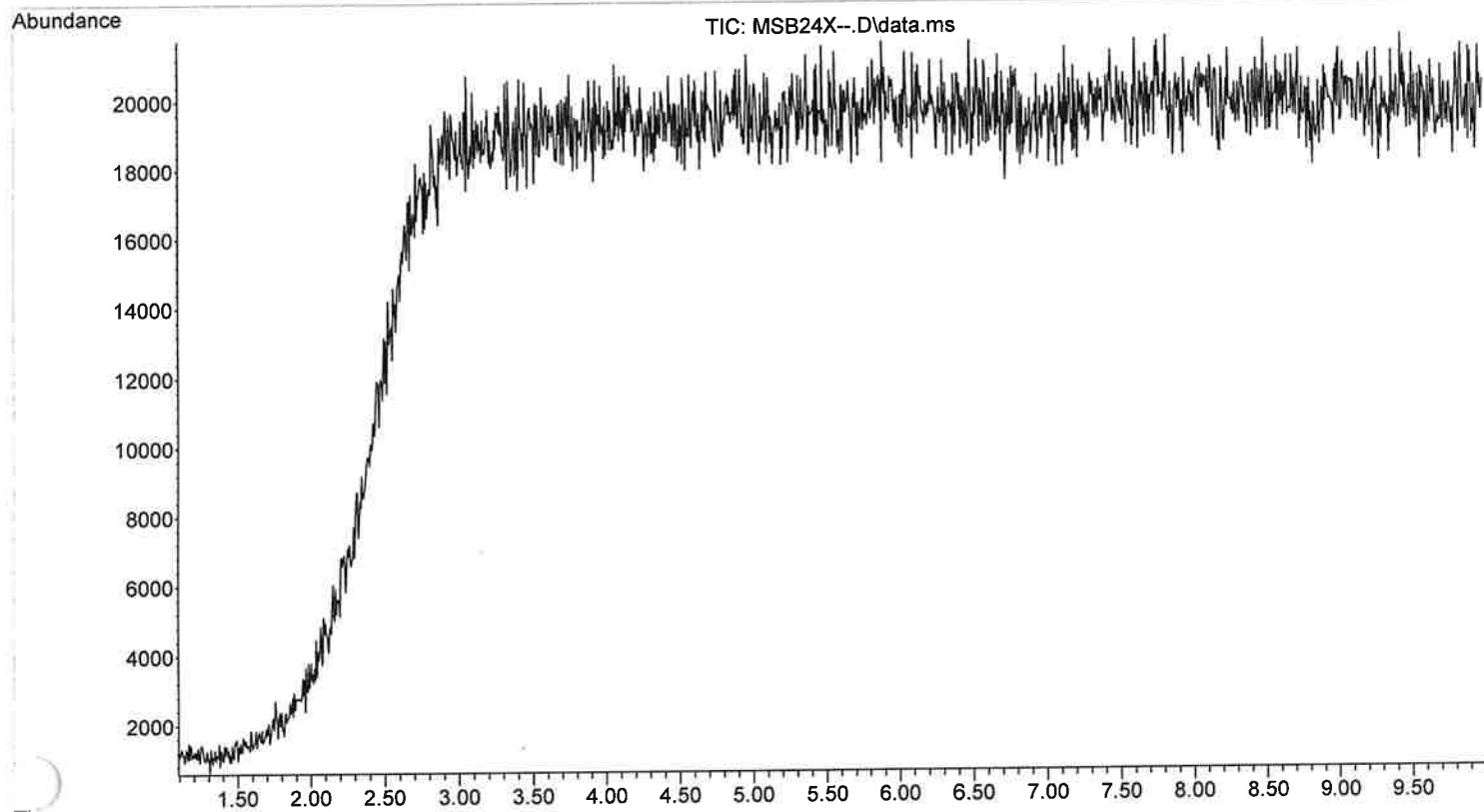
Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin

#Qual = number of qualifiers

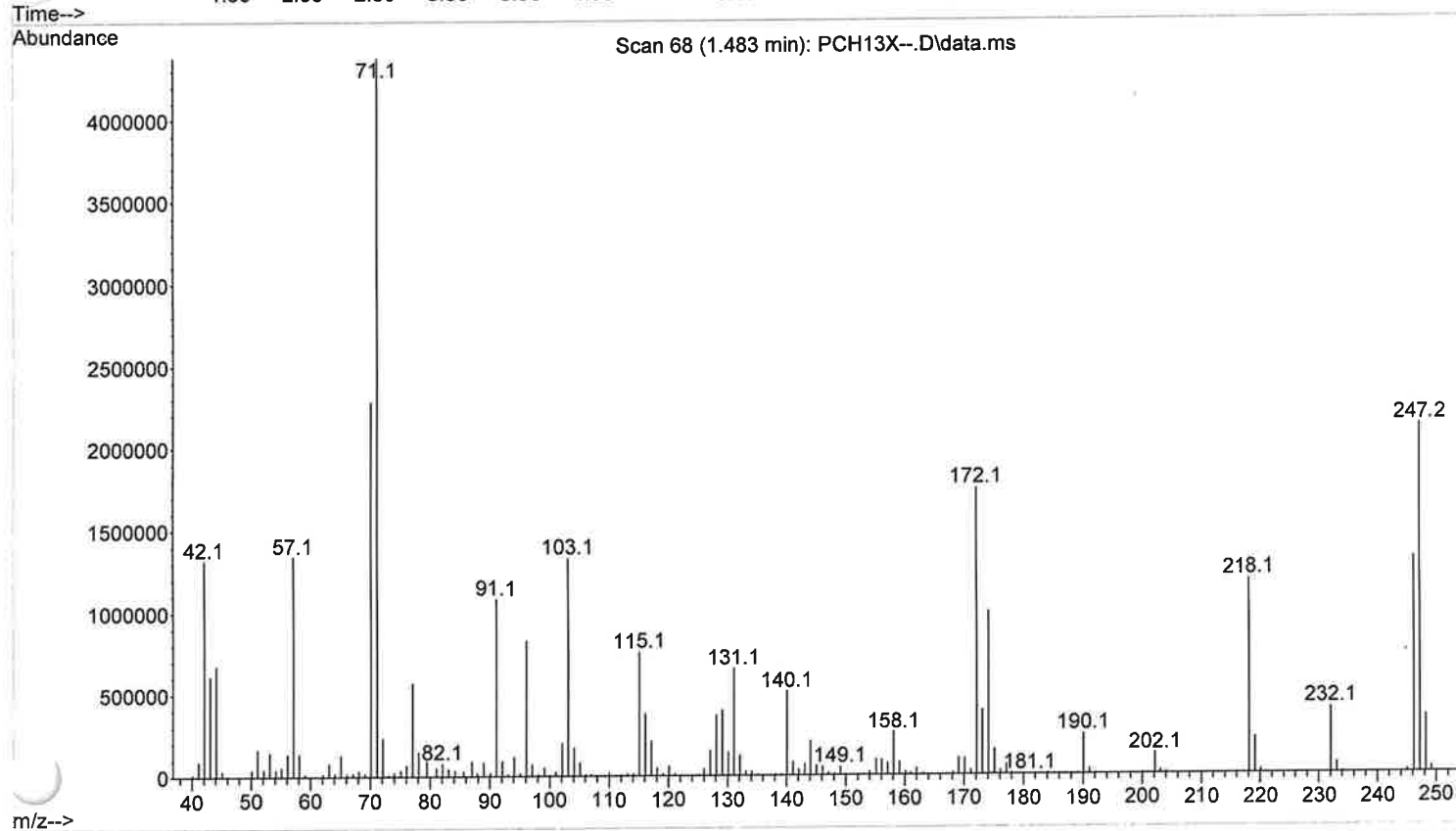
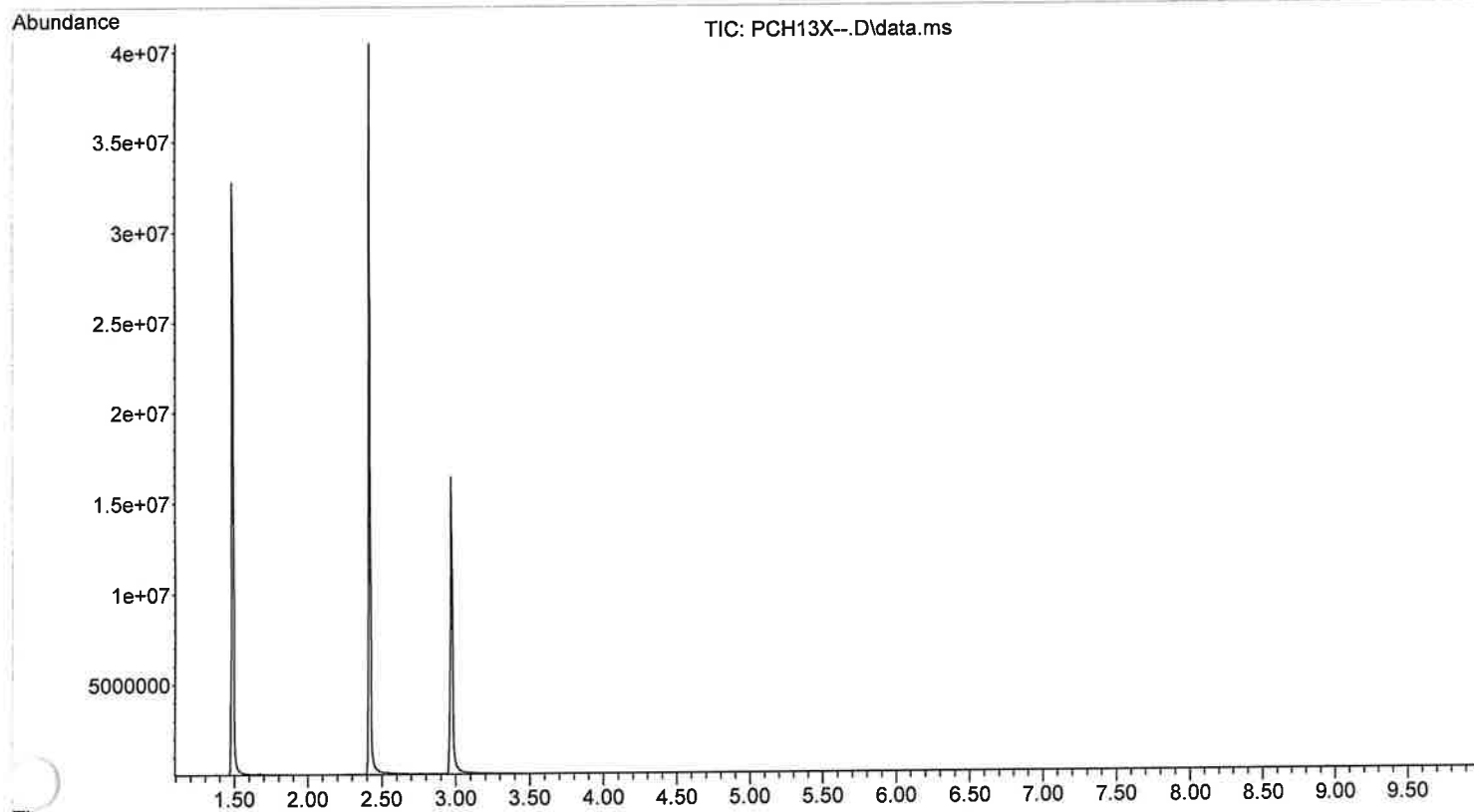
A/H = Area or Height

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

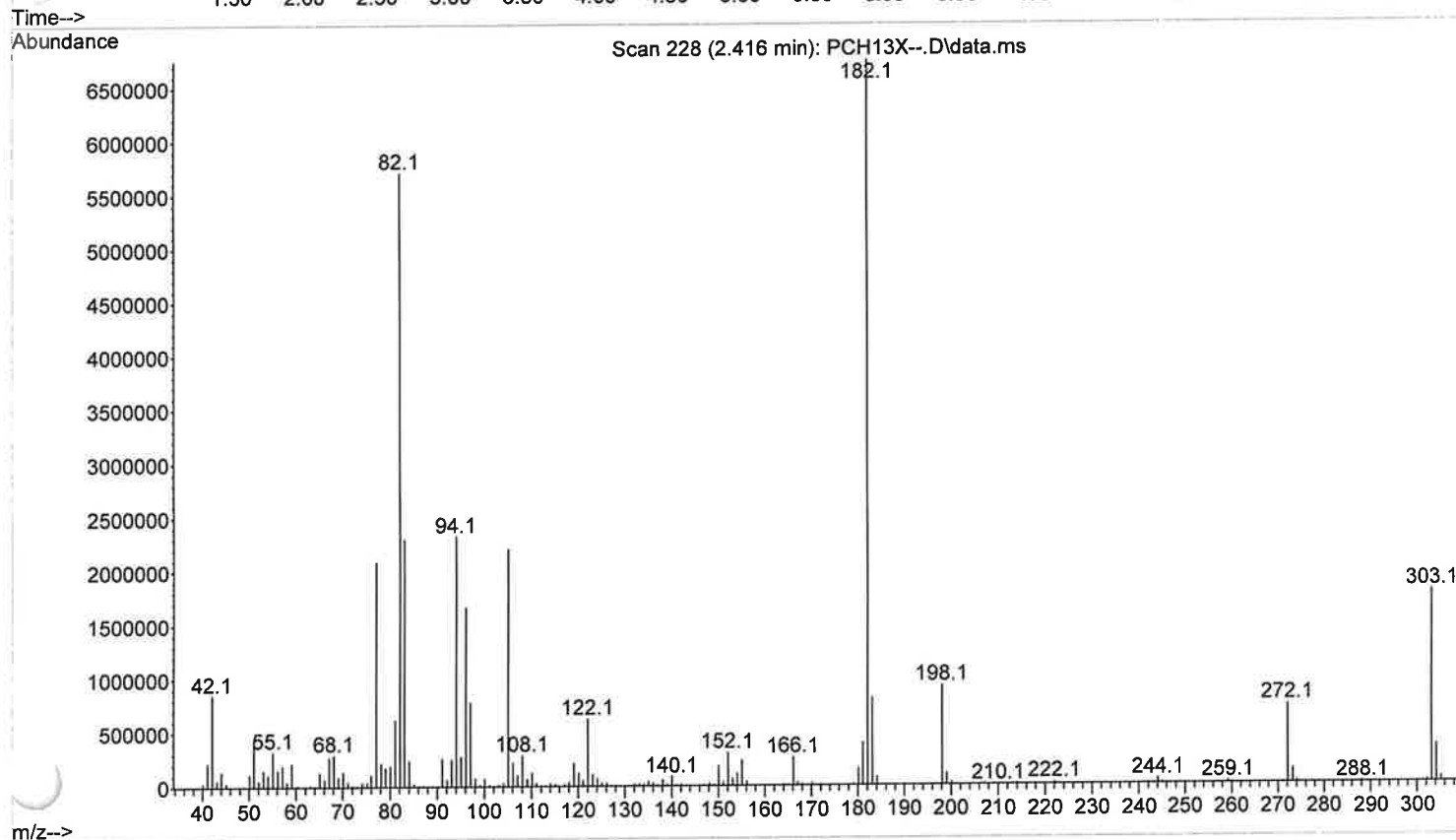
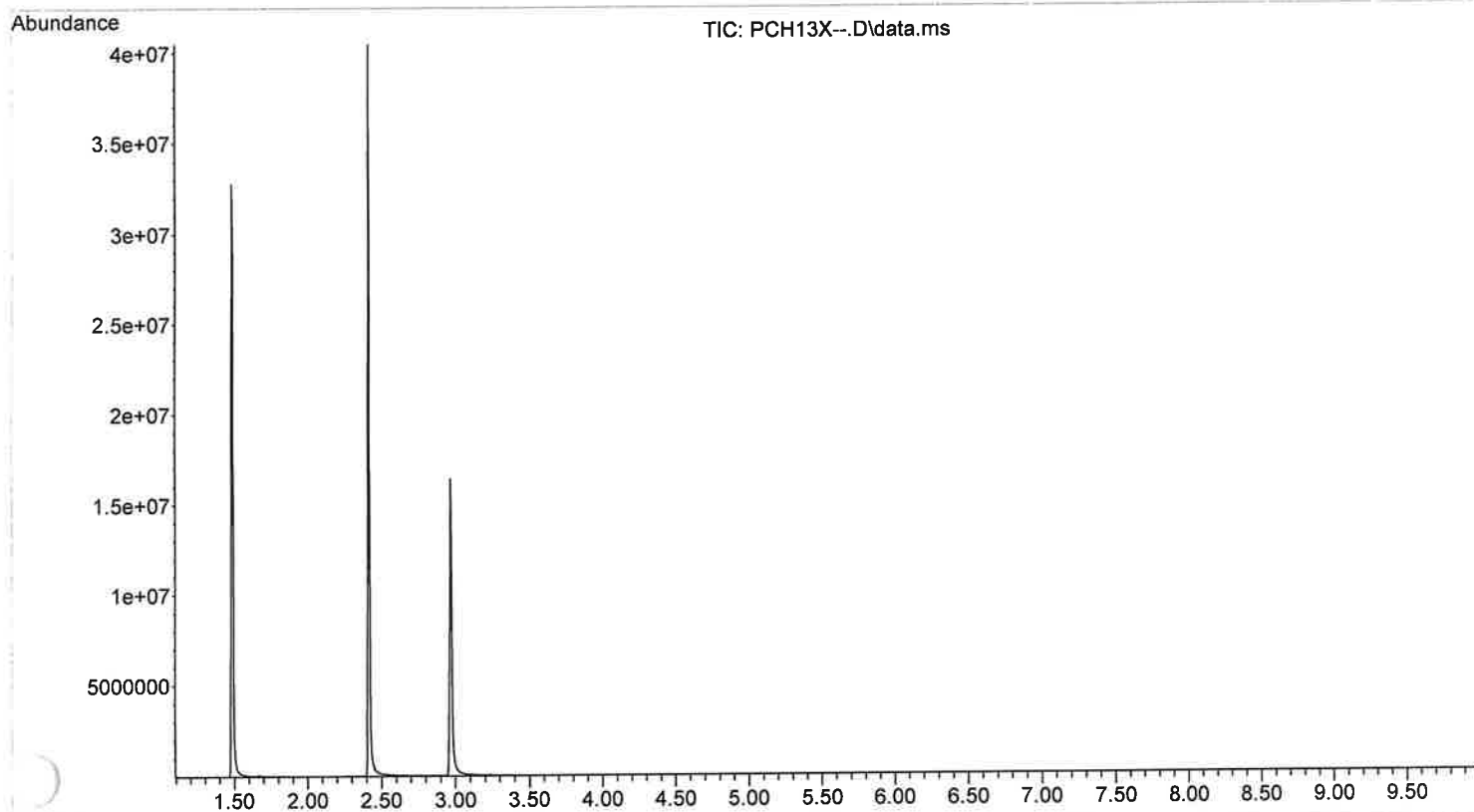
File :X:\2023\GJG\MSB24X--.D
Operator :
Acquired : 27 Feb 2023 10:55 using AcqMethod MSDRUGS200.M
Instrument : Eggroll
Sample Name: MEOH B FOR CALIBRATION STANDARD
Misc Info : 200-280
Vial Number: 1



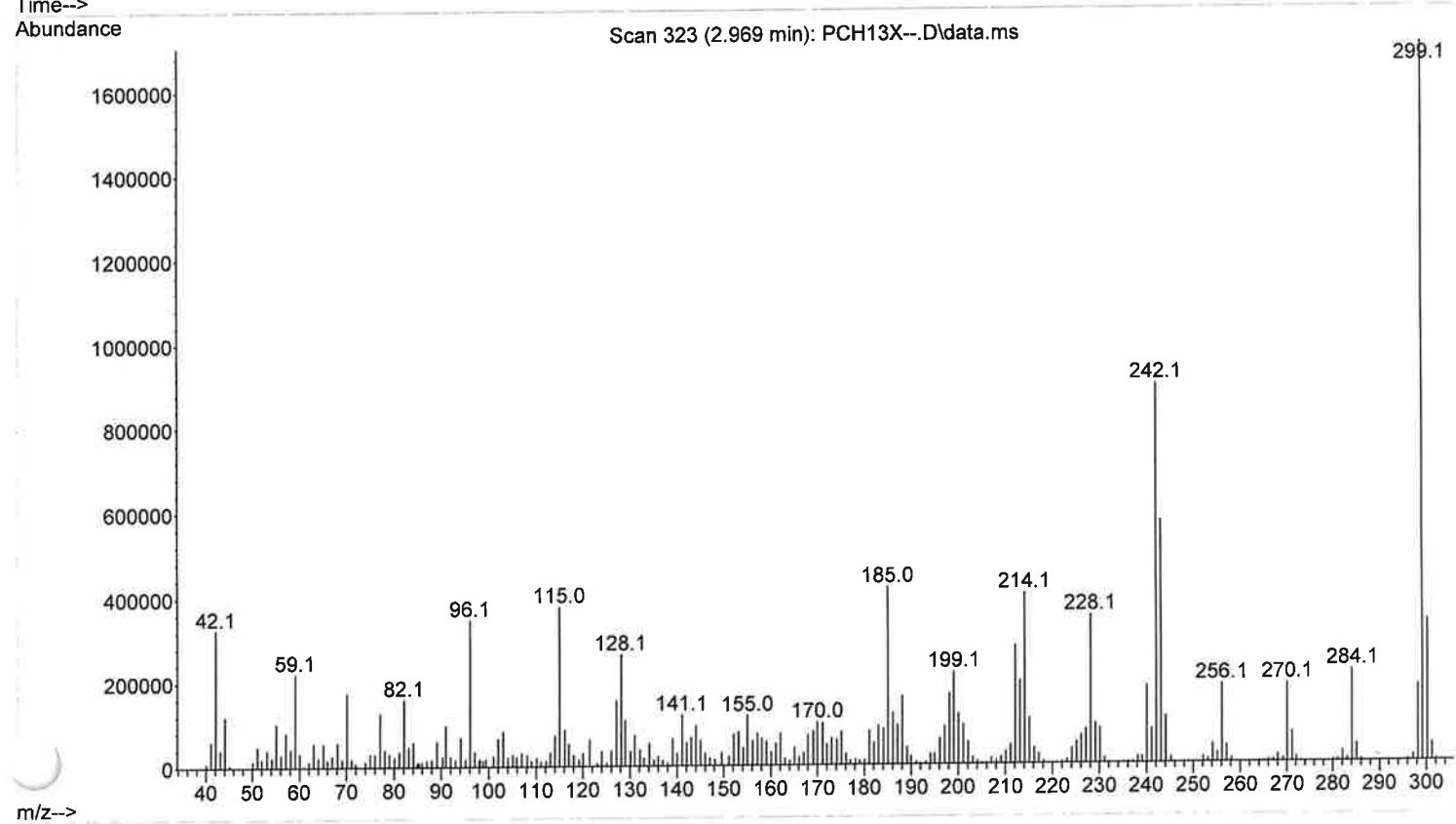
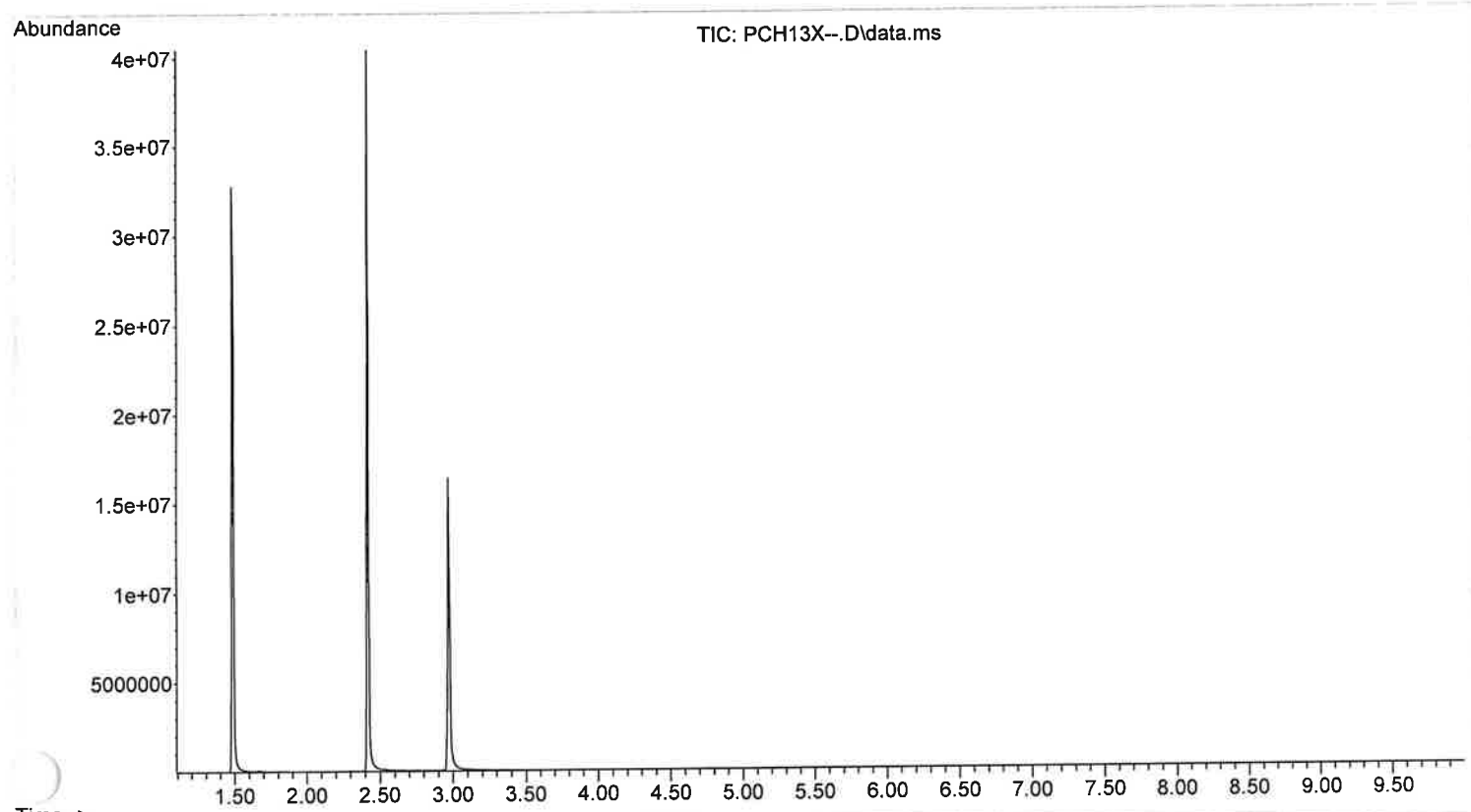
File :X:\2023\GJG\PCH13X--.D
Operator :
Acquired : 27 Feb 2023 11:13 using AcqMethod MSDRUGS200.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD -- 200-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 1



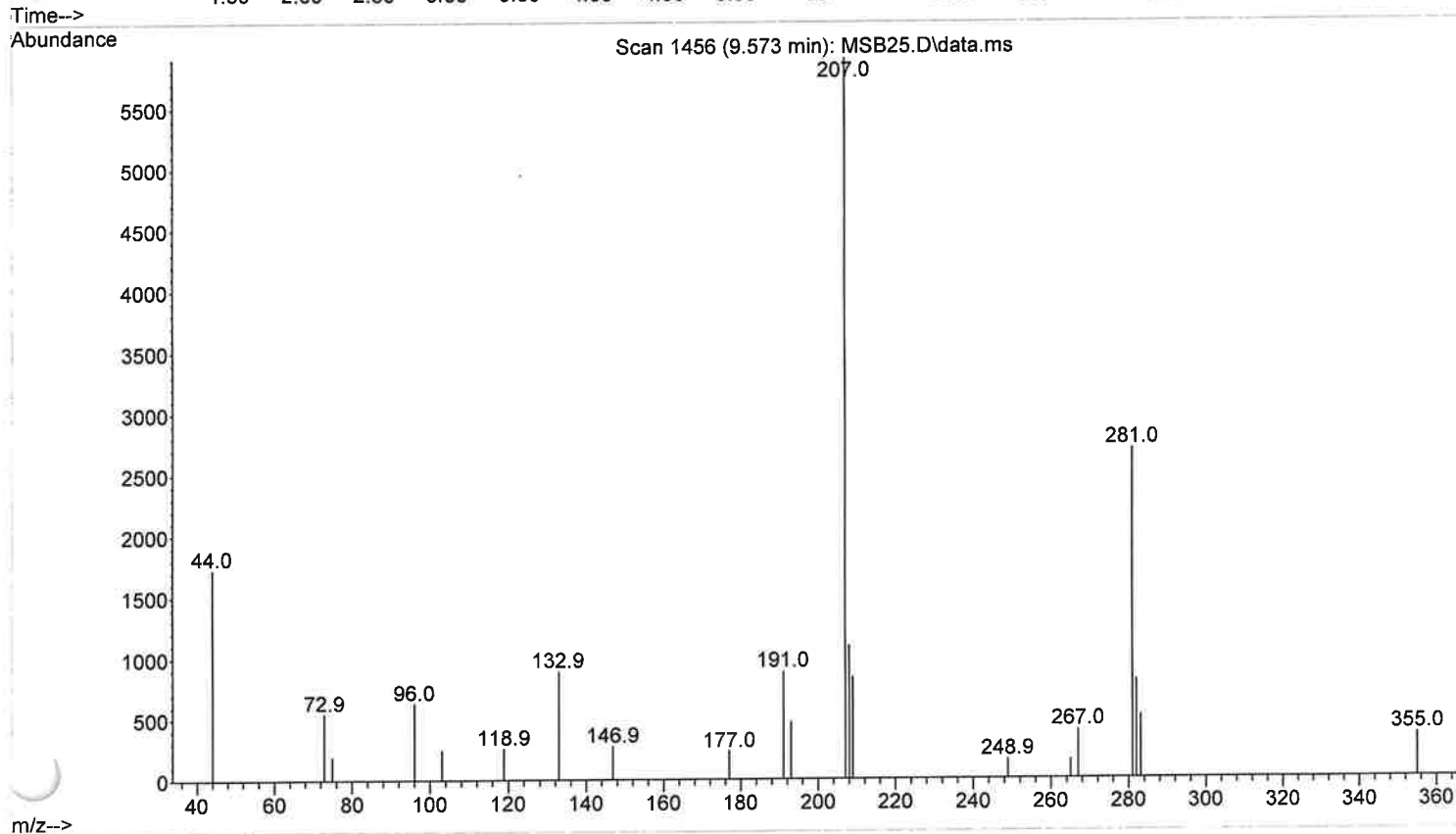
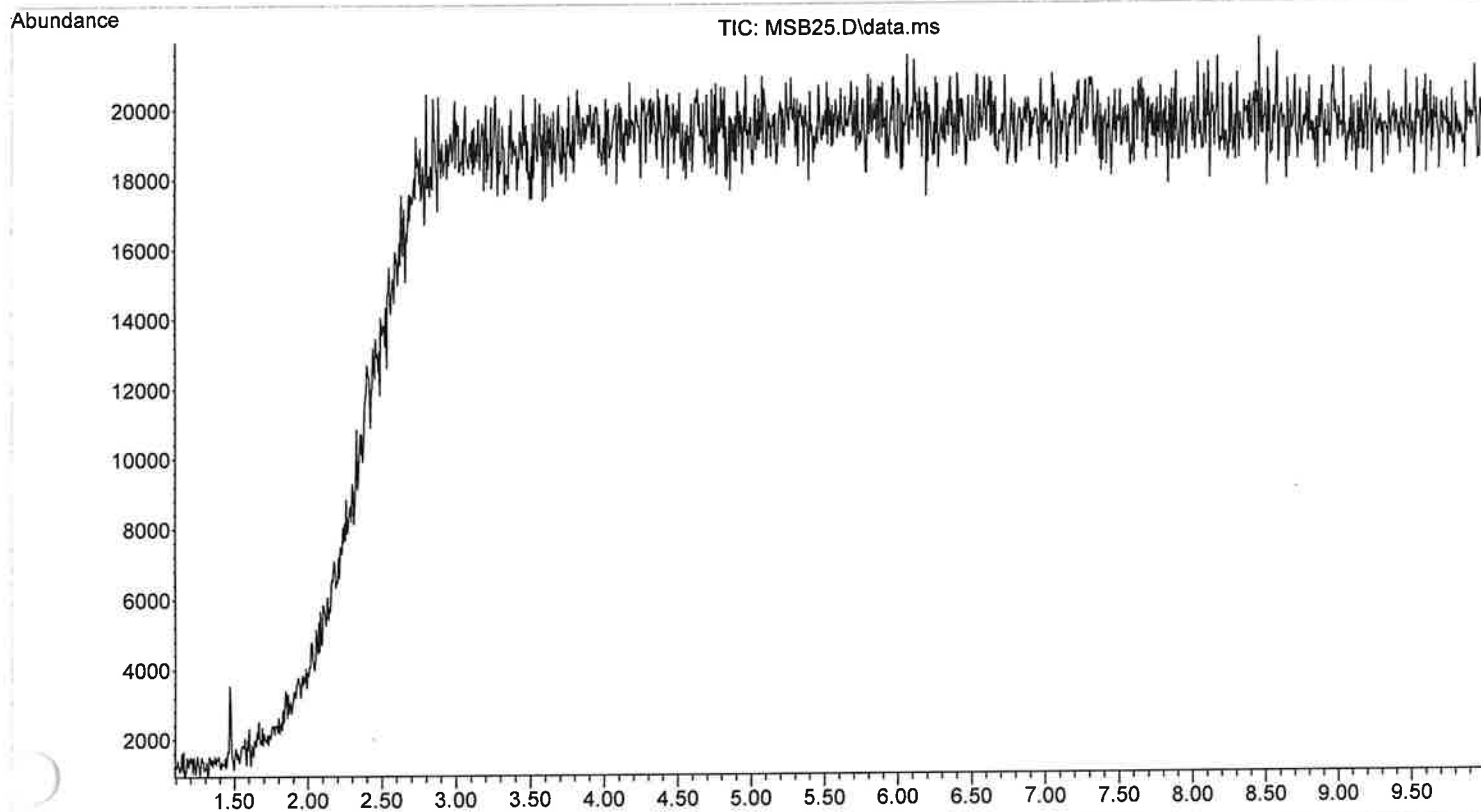
File :X:\2023\GJG\PCH13X--.D
Operator :
Acquired : 27 Feb 2023 11:13 using AcqMethod MSDRUGS200.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD -- 200-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 1



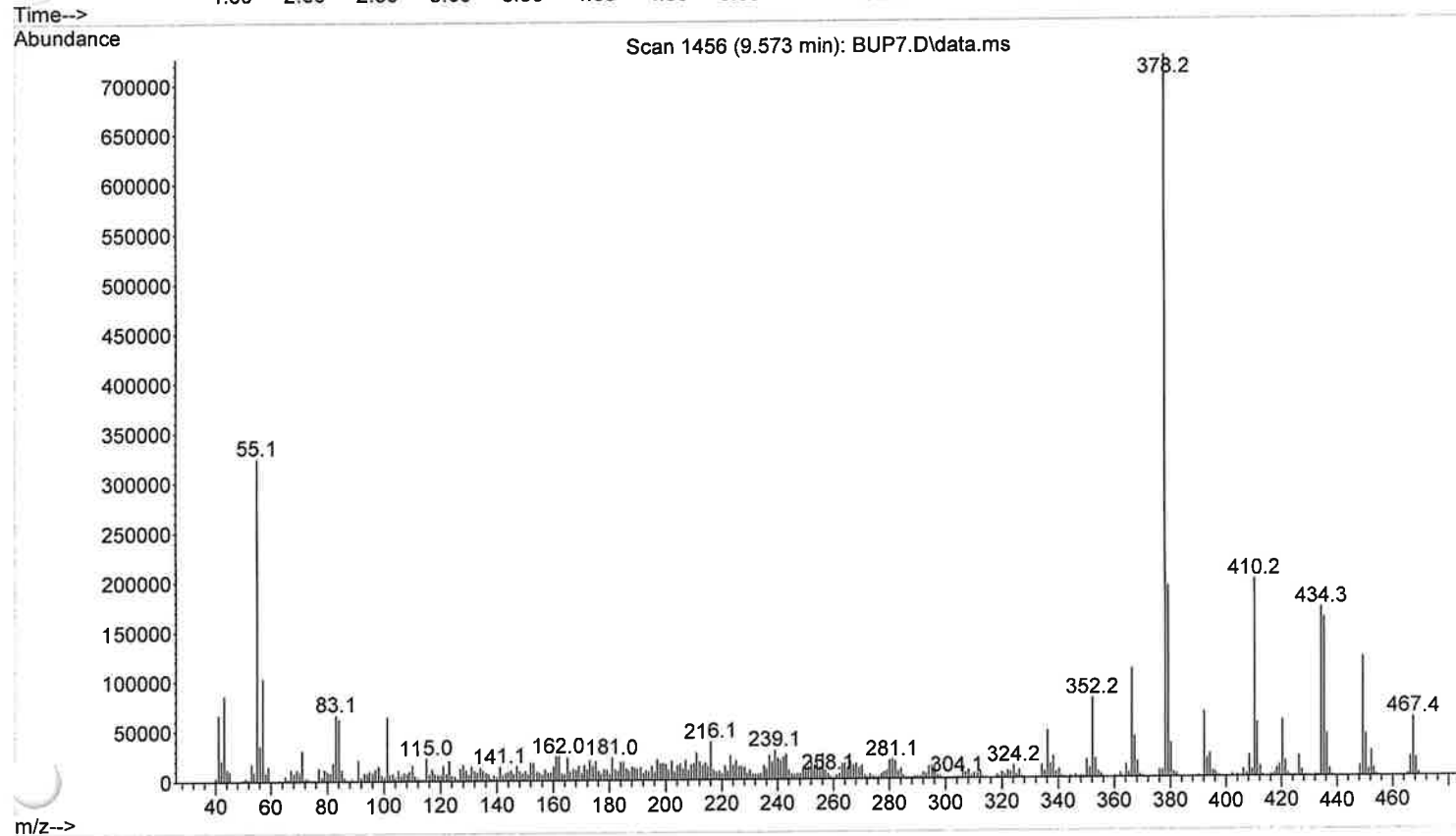
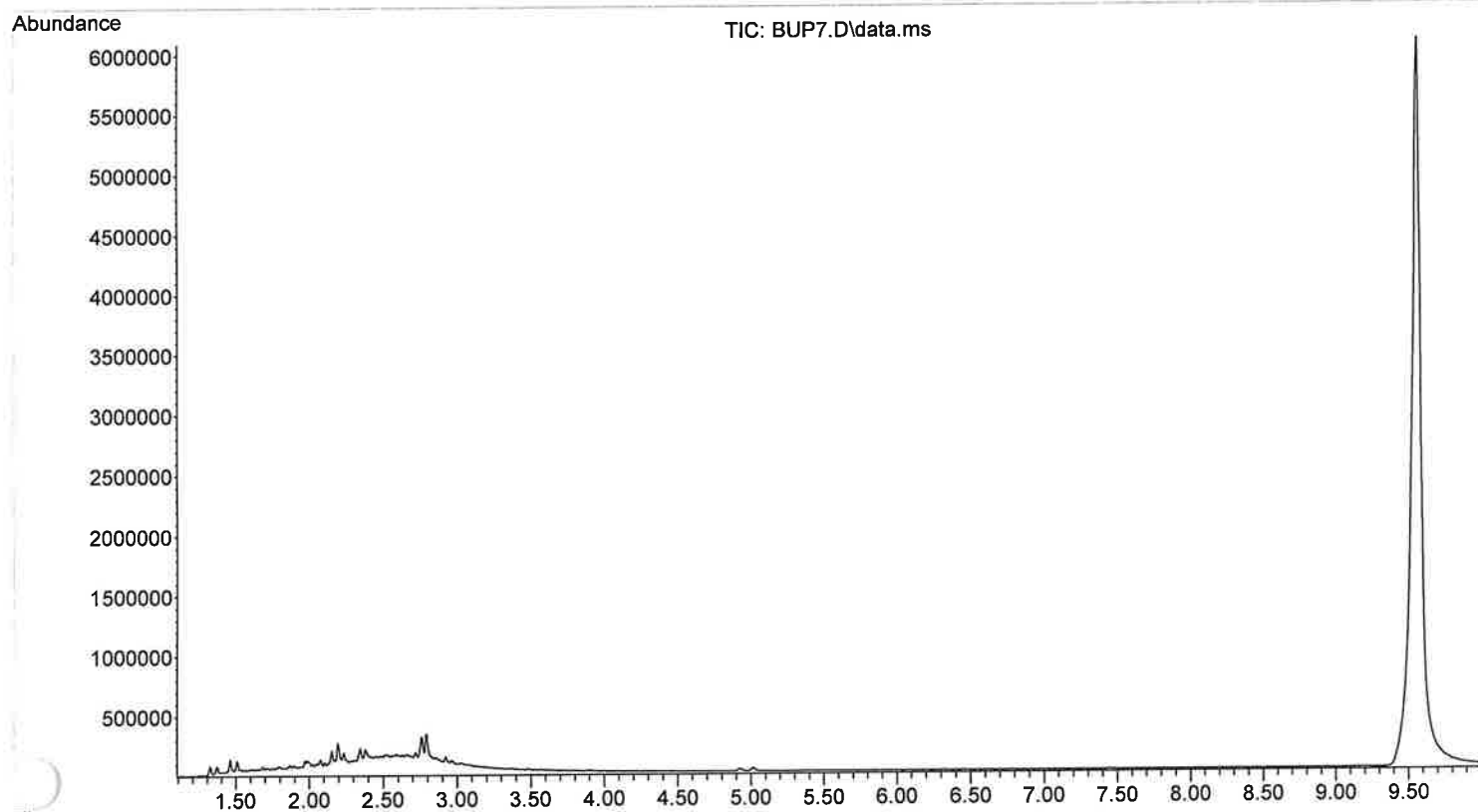
File :X:\2023\GJG\PCH13X--.D
Operator :
Acquired : 27 Feb 2023 11:13 using AcqMethod MSDRUGS200.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD -- 200-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 1



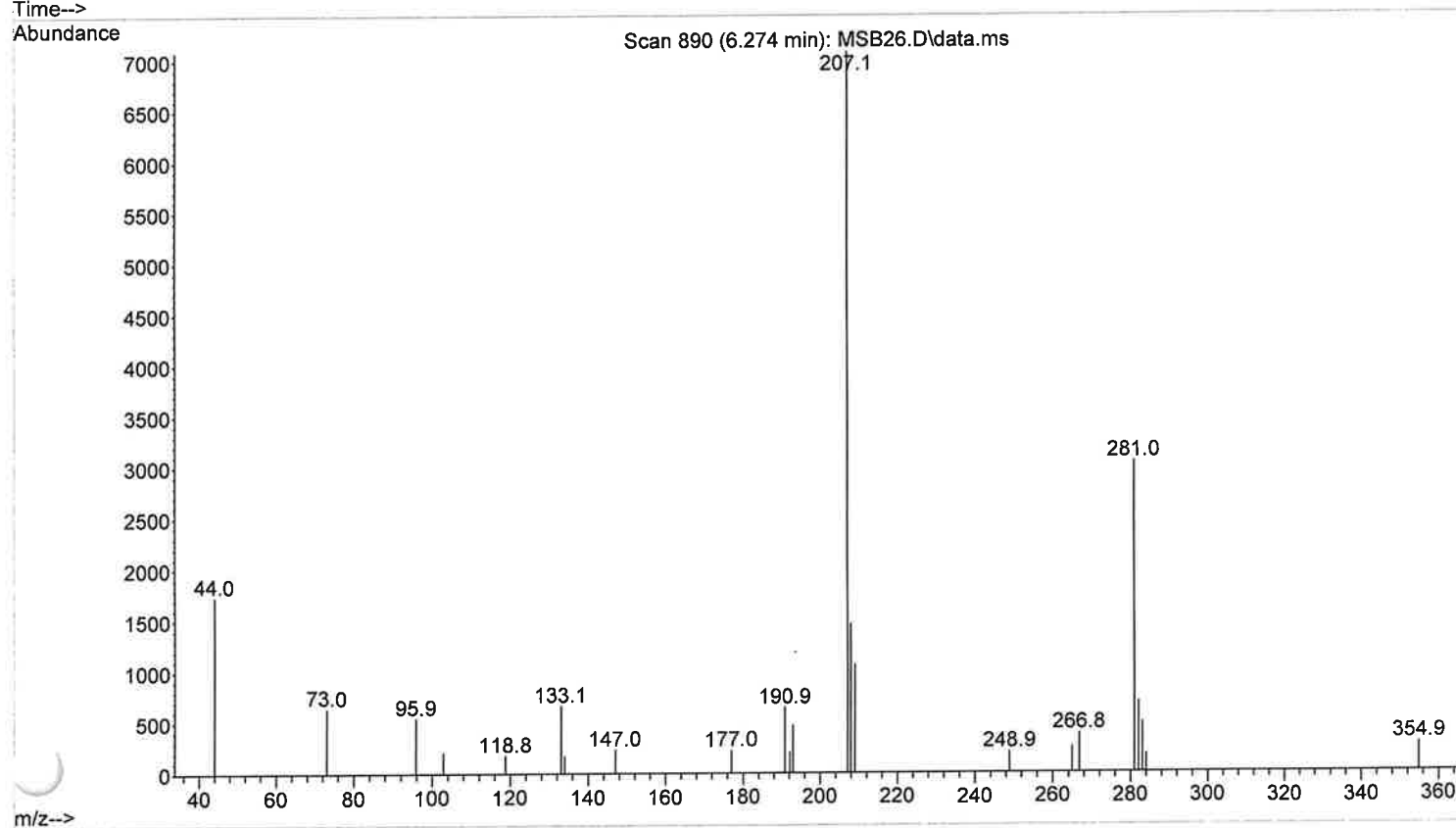
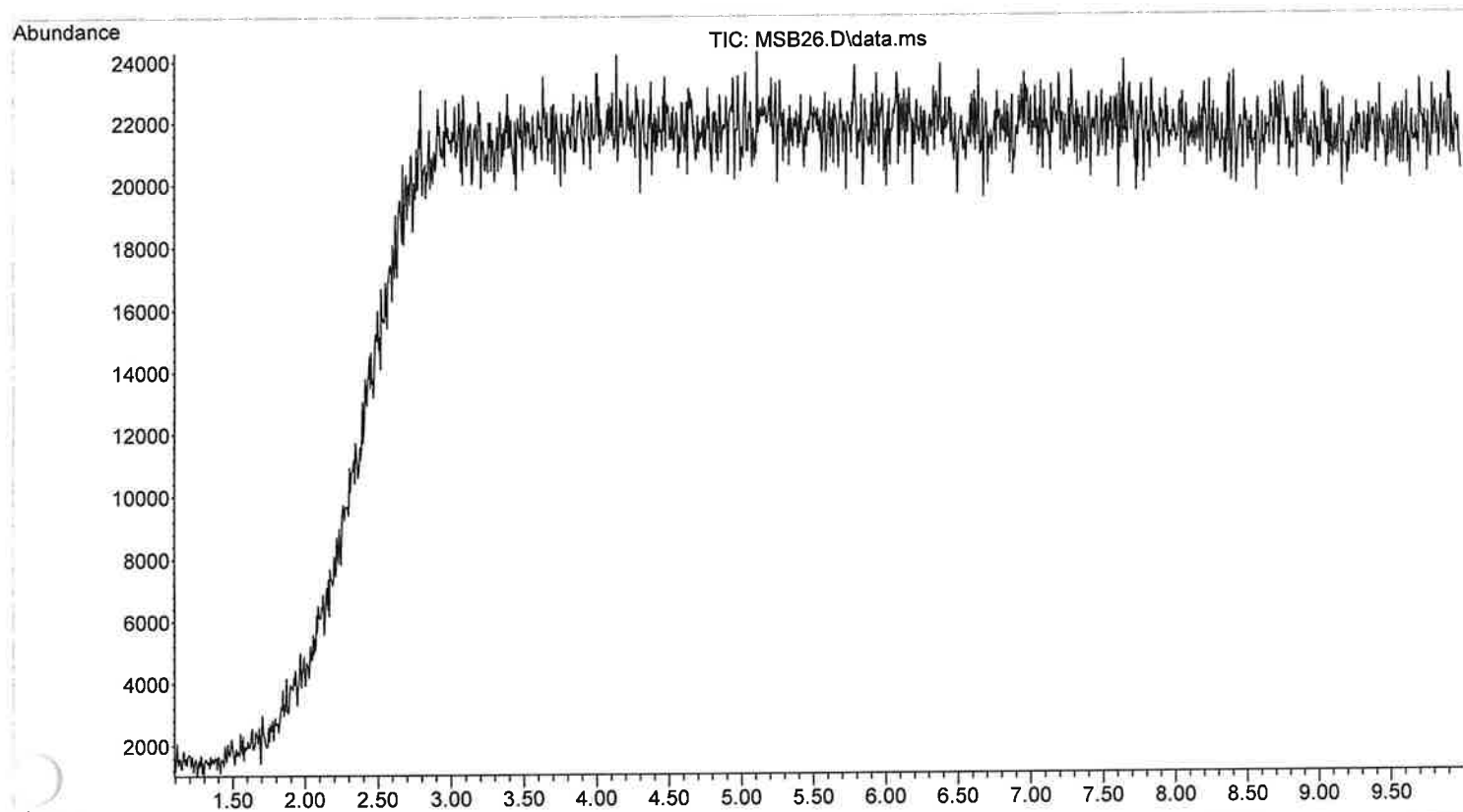
File :X:\2023\GJG\MSB25.D
Operator :
Acquired : 27 Feb 2023 11:35 using AcqMethod MSDRUGS200.M
Instrument : Eggroll
Sample Name: MEOH B FOR BUPRENORPHINE STANDARD
Misc Info : 200-280
Vial Number: 1



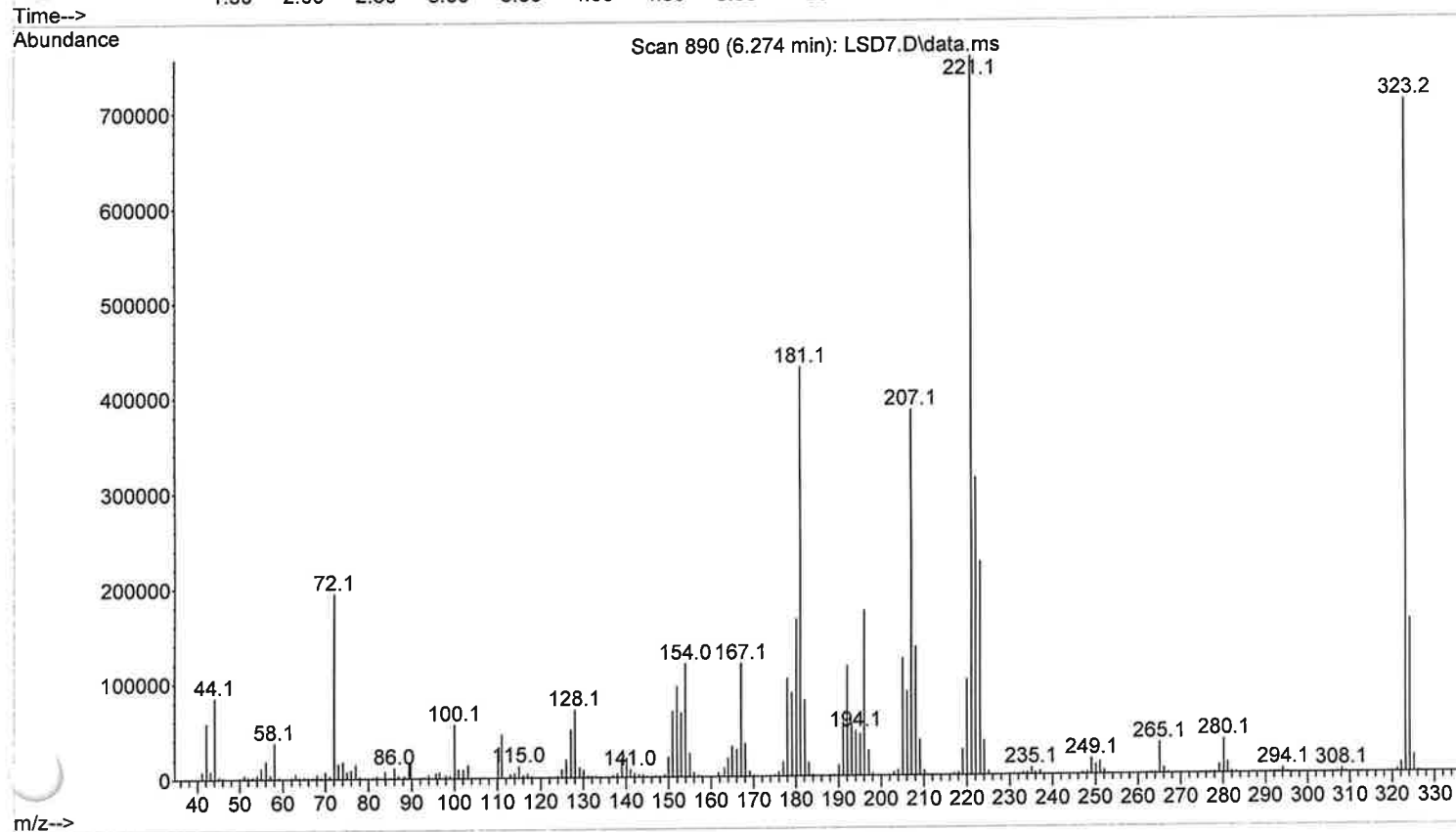
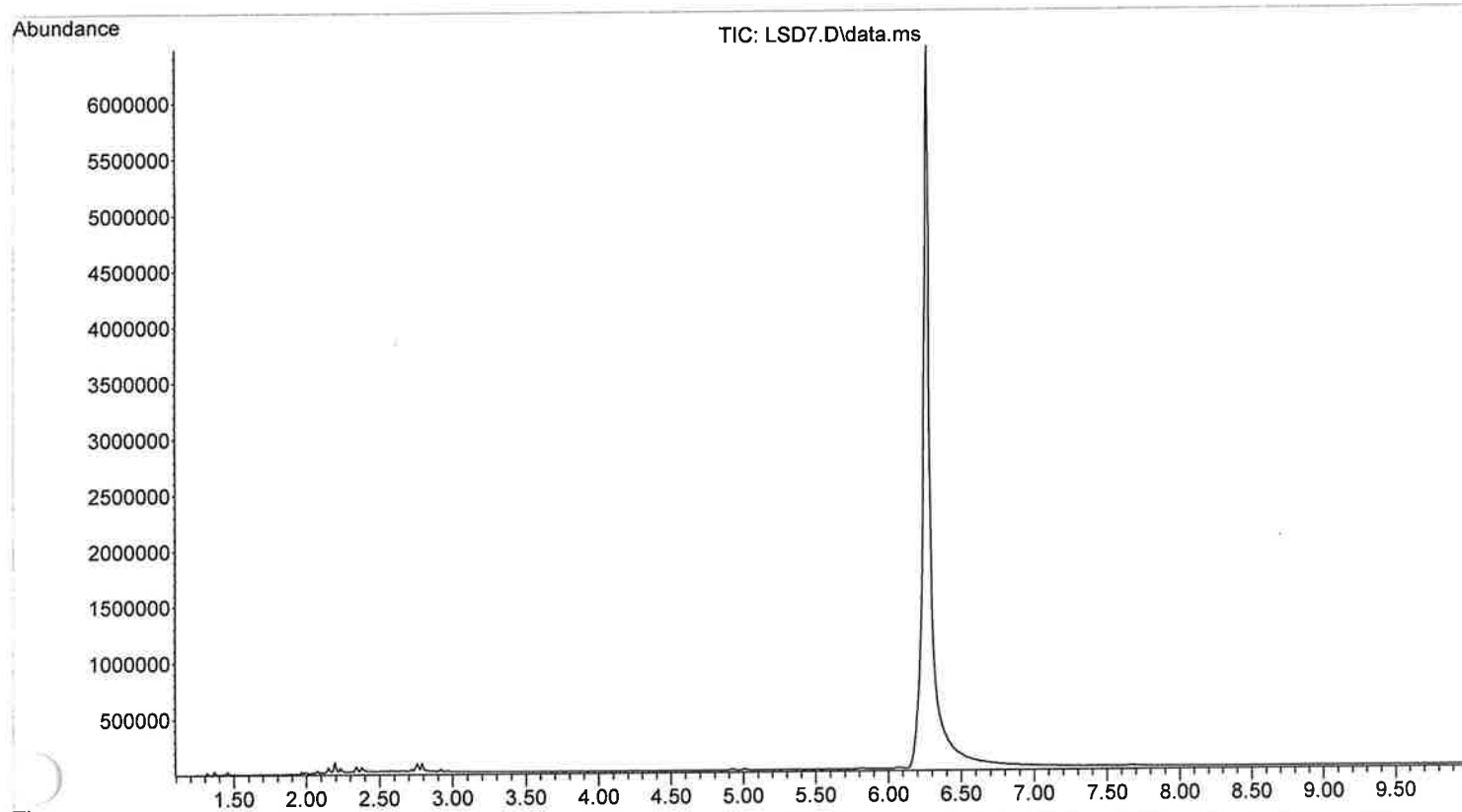
File :X:\2023\GJG\BUP7.D
Operator :
Acquired : 27 Feb 2023 11:59 using AcqMethod MSDRUGS200.M
Instrument : Eggroll
Sample Name: BUPRENORPHINE STANDARD -- 200-280
Misc Info : Cerilliant Lot# FE03191903 Exp: June 2024
Vial Number: 1



File :X:\2023\GJG\MSB26.D
Operator :
Acquired : 27 Feb 2023 13:07 using AcqMethod MSDRUGS200.M
Instrument : Eggroll
Sample Name: ME0H B FOR LSD STANDARD
Misc Info : 200-280
Vial Number: 1



File :X:\2023\GJG\LSD7.D
Operator :
Acquired : 27 Feb 2023 13:27 using AcqMethod MSDRUGS200.M
Instrument : Eggroll
Sample Name: LSD STANDARD -- 200-280
Misc Info : Cerilliant Lot# FE10161901 Exp: October 2024
Vial Number: 1



METHOD CONTROL PARAMETERS

Method Information for: C:\MassHunter\GCMS\1\methods\MSDRUGS60.M

Method Sections To Run:

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

Method Comments:

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

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

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

Scan Time Segments

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

Timed Events

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

Real-Time Plots

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

Self-Cleaning Ion Source Parameters

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

C:\MassHunter\GCMS\1\methods\MSDRUGS60.M
Fri Jan 13 16:02:00 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 10.043 min
Post Run Time 0 min

Oven
Temperature
Setpoint On
(Initial) 60 °C
Hold Time 1 min
Post Run 100 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 5.9 min

Equilibration Time 0.5 min
Max Temperature 450 °C
Minimum Temperature Override Disabled
Cooling Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 3
Solvent A Volume 8 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 3
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
Injection Type Standard
L1 Airgap 0.2 µL
Solvent Wash Mode A, B

Back Injector	
Syringe Size	10 µL
Injection Volume	1 µL
Solvent A Washes (PreInj)	2
Solvent A Washes (PostInj)	3
Solvent A Volume	3 µL
Solvent B Washes (PreInj)	2
Solvent B Washes (PostInj)	3
Solvent B Volume	3 µL
Sample Washes	2
Sample Wash Volume	1 µL
Sample Pumps	3
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Solvent Wash Mode	A, B
Sample Overlap	
Mode	Sample overlap is not enabled
ALS Errors	Pause for user interaction
Front SS Inlet He	
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Mode	Split
Heater	On 250 °C
Pressure	On 6.5 psi
Total Flow	On 45.625 mL/min
Septum Purge Flow	On 3 mL/min
Gas Saver	Off
Split Ratio	50 :1
Split Flow	41.789 mL/min
Liner	A Liner has not been selected.
Back SS Inlet He	
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Mode	Split
Heater	On 250 °C
Pressure	On 6.5 psi
Total Flow	On 124.73 mL/min
Septum Purge Flow	On 3 mL/min
Gas Saver	Off
Split Ratio	50 :1
Split Flow	119.34 mL/min
Liner	A Liner has not been selected.
Thermal Aux 2 (MSD Transfer Line)	
Temperature	
Setpoint	On
(Initial)	280 °C
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Column	
Column #1	

Flow	On
Setpoint	0.83578 mL/min
(Initial)	3.5062 mL/min
Post Run	
Column Information	19091S-602
HP-1MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm (Calibrated)
In	Front SS Inlet He
Out	MSD
(Initial)	60 °C
Pressure	6.5 psi
Flow	0.83578 mL/min
Average Velocity	51.868 cm/sec
Holdup Time	0.40166 min
Control Mode	Constant Flow
Column #2	
Pressure	
Setpoint	On
(Initial)	6.5 psi
Post Run	10 psi
Column Information	19091S-913
HP-1MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	15 m x 320 µm x 0.25 µm (Calibrated)
In	Back SS Inlet He
Out	Other
(Initial)	60 °C
Pressure	6.5 psi
Flow	2.3868 mL/min
Average Velocity	44.911 cm/sec
Holdup Time	0.55666 min
Control Mode	Constant Pressure
Column Outlet Pressure	0 psi
Front Detector FID	
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Makeup	He
Heater	On 300 °C
H2 Flow	Off
Air Flow	Off
Makeup Flow	Off
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	50 Hz
Dual Injection Assignment	Front Sample
Signal #2: Test Plot	
Description	Test Plot
Save	Off
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #3: Test Plot	

Description
Save
Data Rate
Dual Injection Assignment

Test Plot
Off
50 Hz
Back Sample

Signal #4: Test Plot
Description
Save
Data Rate
Dual Injection Assignment

Test Plot
Off
50 Hz
Back Sample

TUNE PARAMETERS for SN: US61633037

Trace Ion Detection is OFF.

34.610 : EMISSION
70.347 : ENERGY
34.961 : REPELLER
83.514 : IONFOCUS
28.500 : ENTRANCE_LENS
1470.588 : EMVOLTS

1470.588 : Actual EMV
0.28 : GAIN FACTOR

2128.000 : AMUGAIN
120.250 : AMUOFFSET
1.000 : FILAMENT
0.000 : DCPOLARITY
16.565 : ENTLENSOFFSET
-575.000 : MASSGAIN
-35.000 : MASSOFFSET

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

Method Path : C:\MassHunter\GCMS\1\methods\

Method File : MSDRUGS60.M

Title :

Auto Update :

Response Via : Initial Calibration

Total Cpnds : 0

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

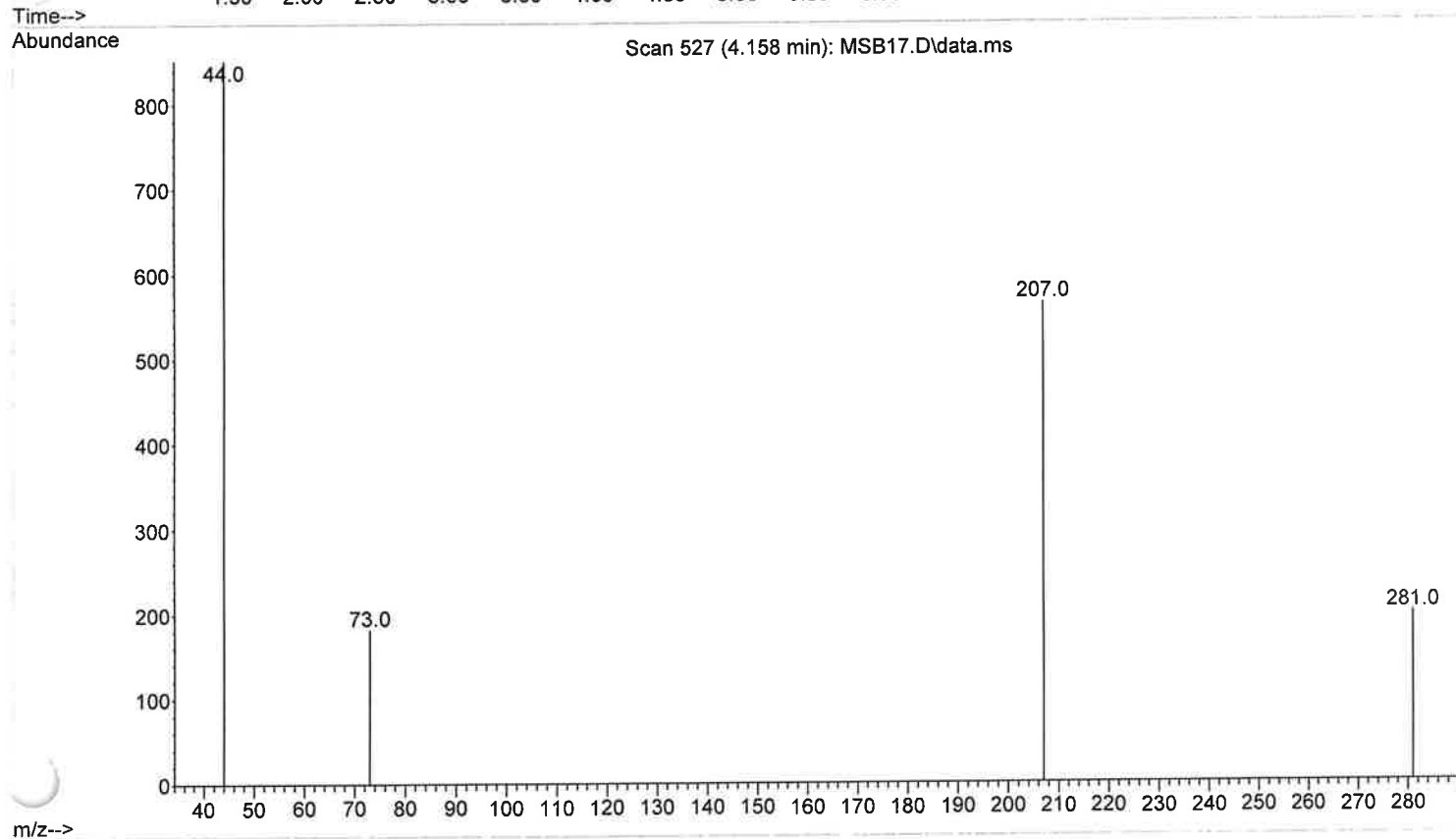
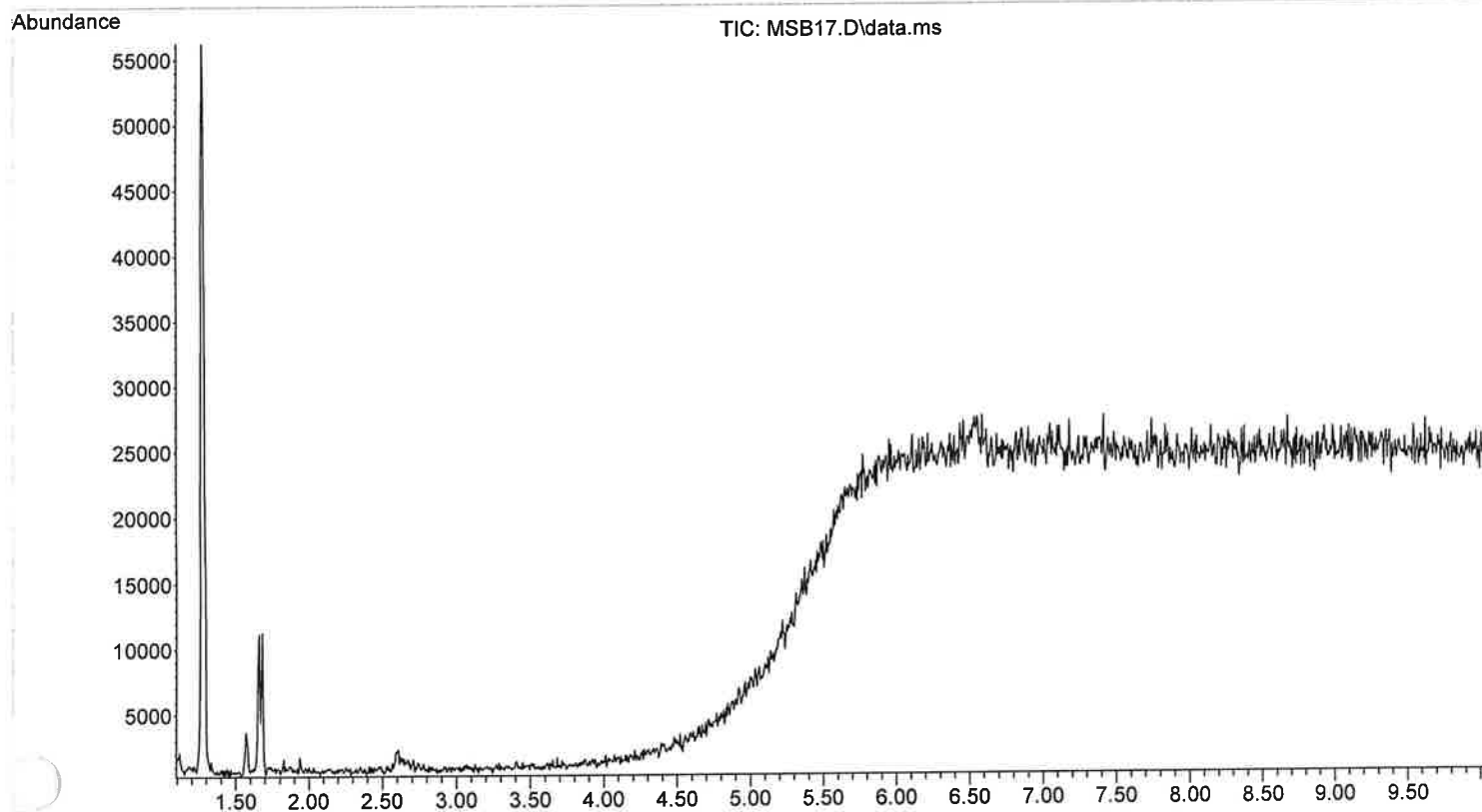
Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin

#Qual = number of qualifiers

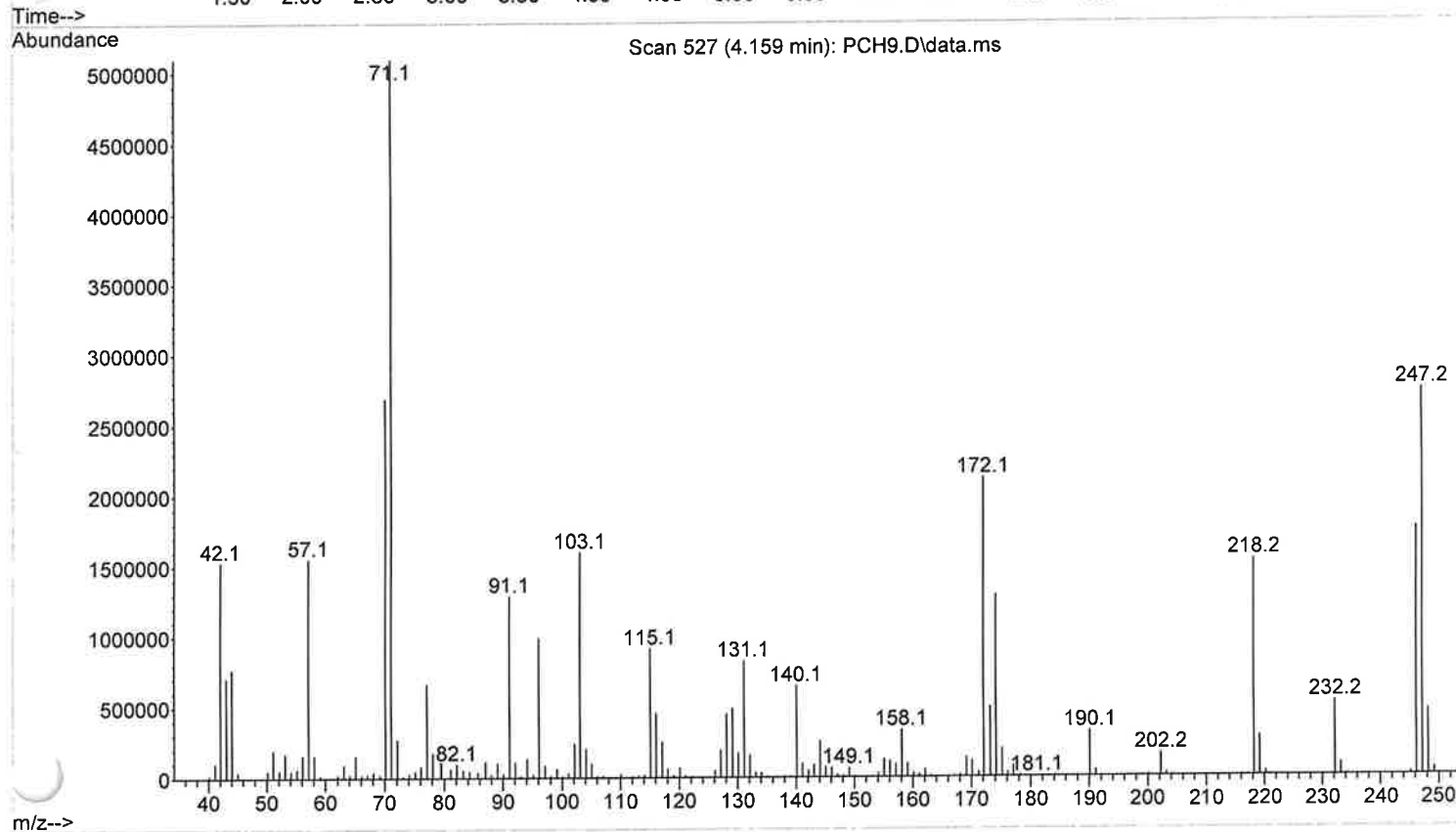
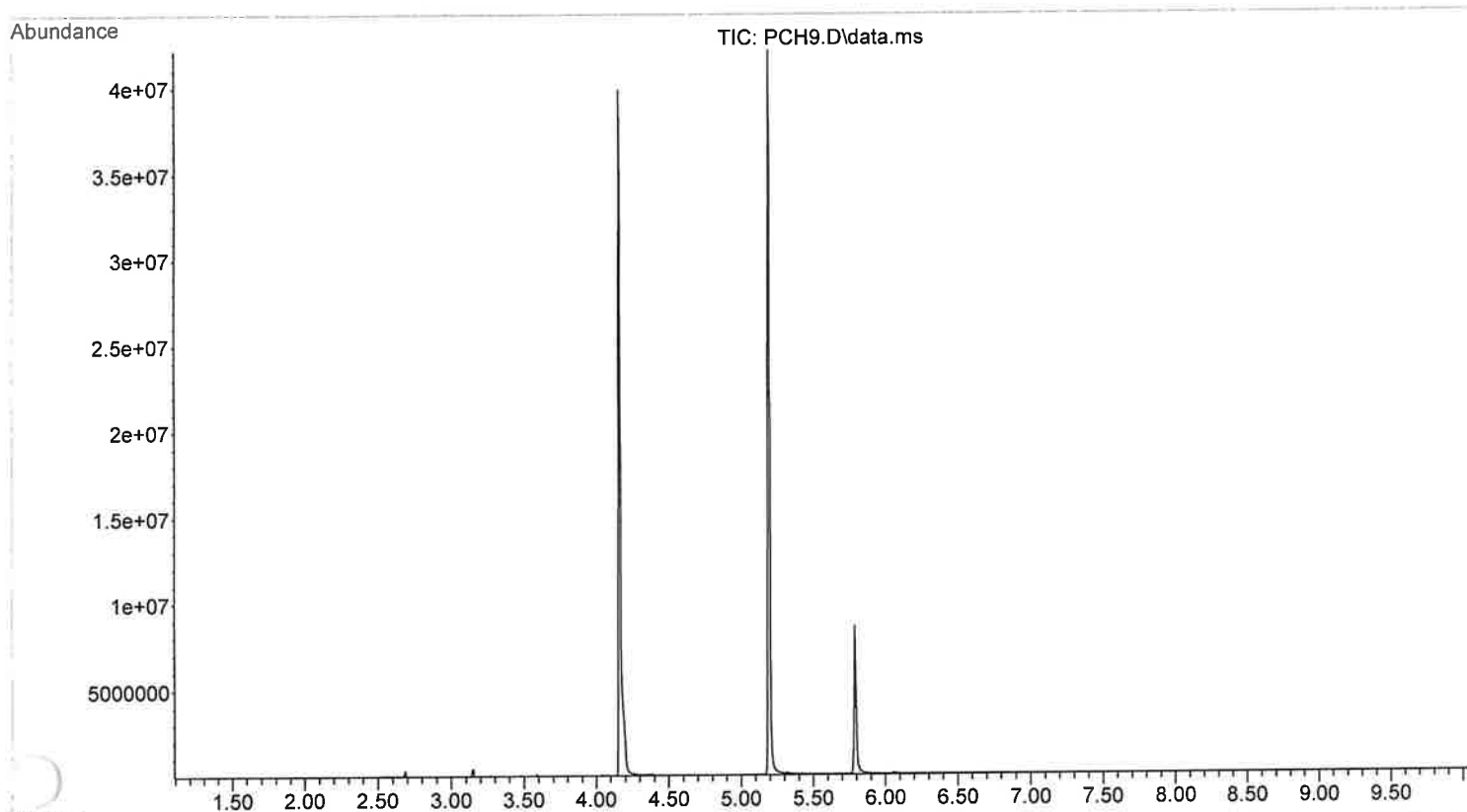
A/H = Area or Height

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

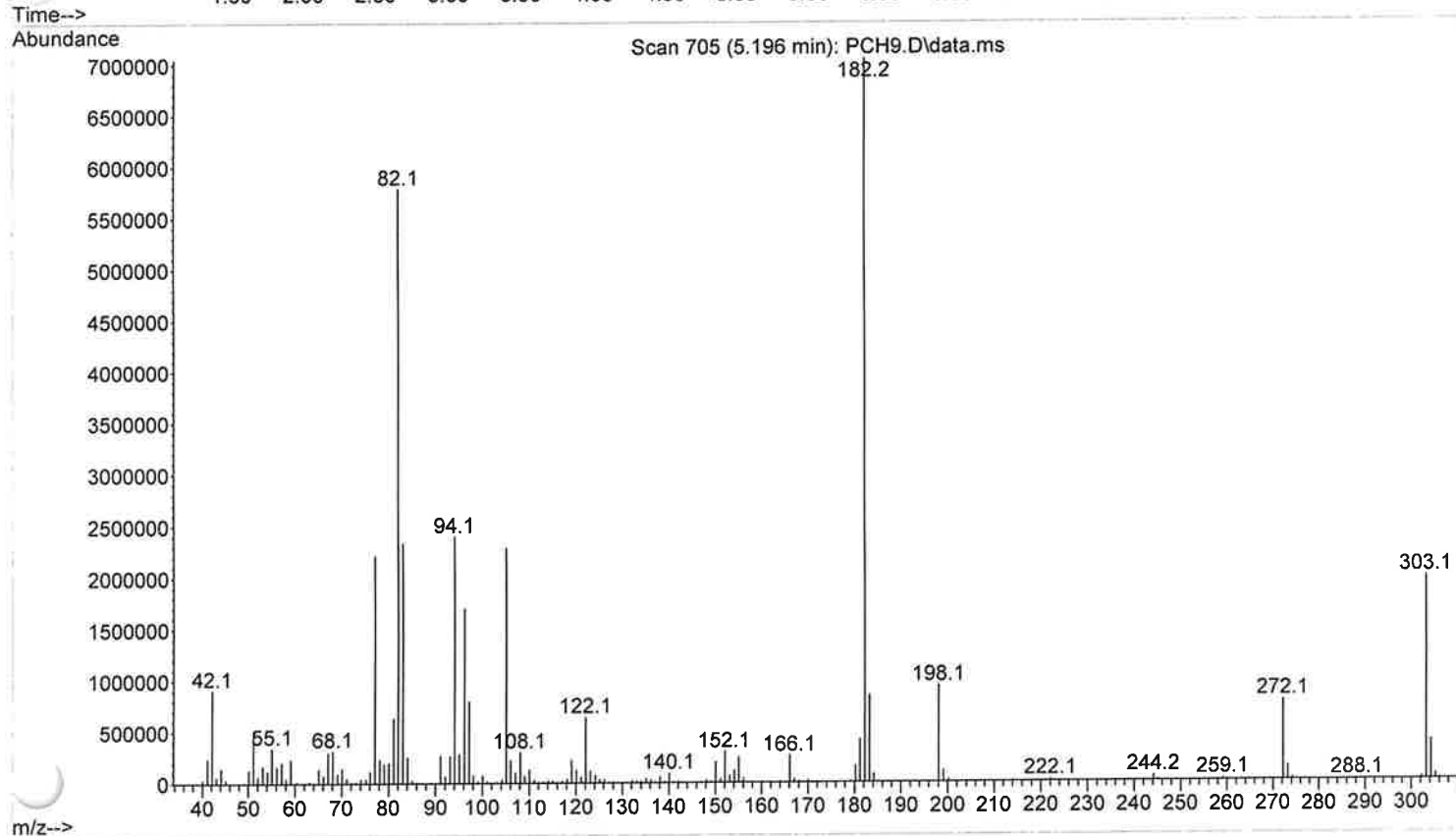
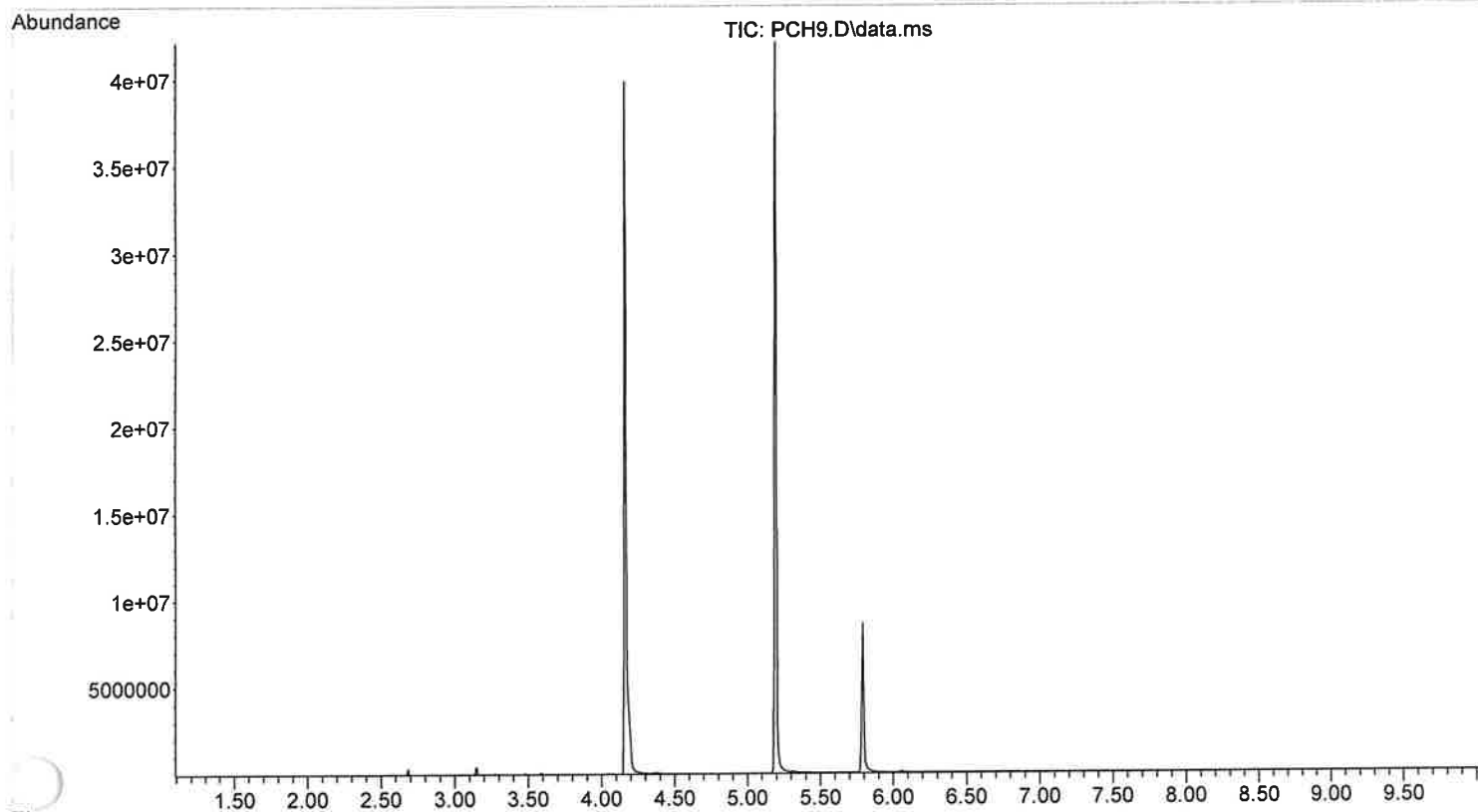
File :X:\2023\GJG\MSB17.D
Operator :
Acquired : 13 Feb 2023 13:37 using AcqMethod MSDRUGS60.M
Instrument : Eggroll
Sample Name: MEOH B FOR CALIBRATION STANDARD
Misc Info : 60-280
Via Number: 1



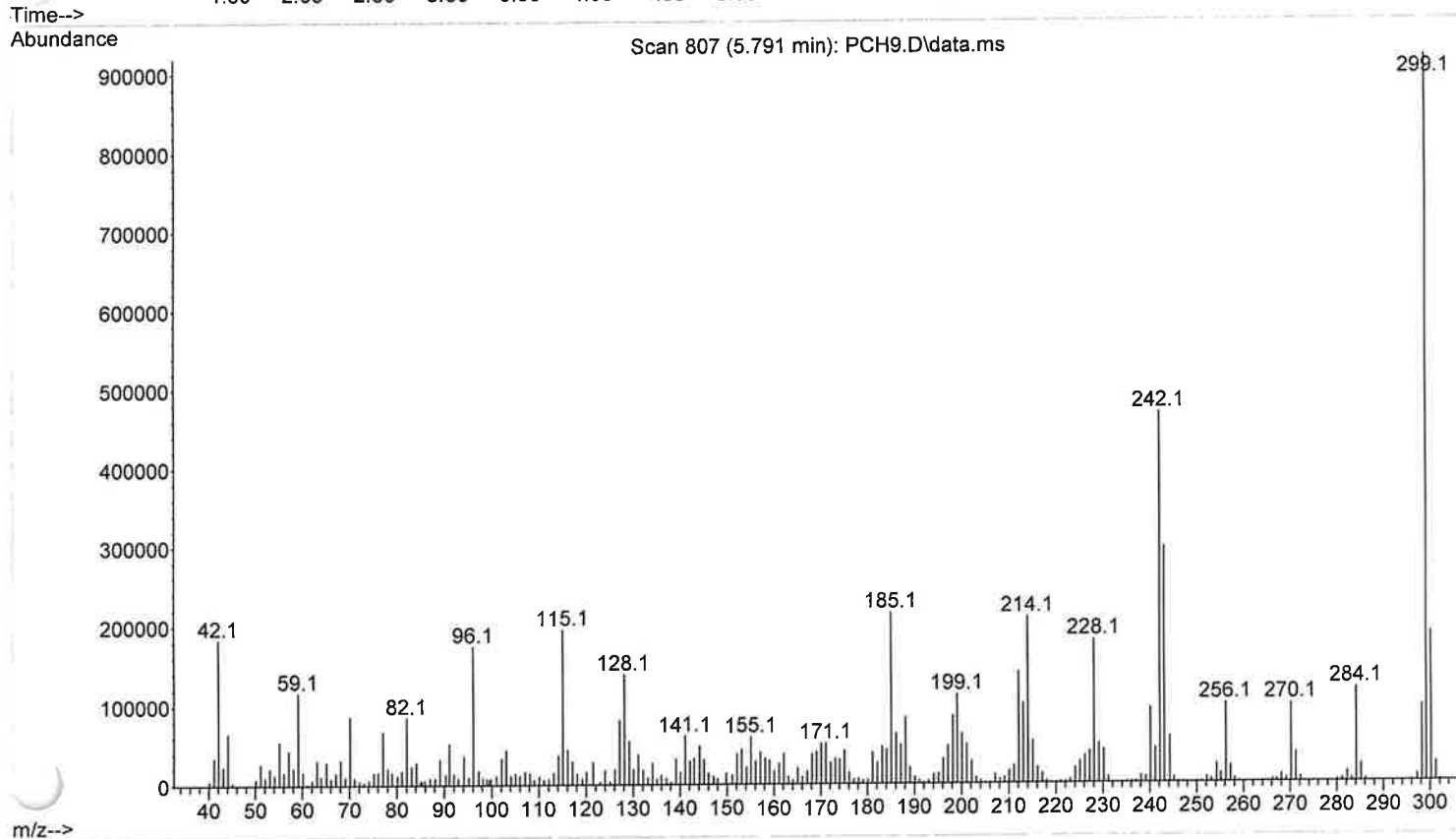
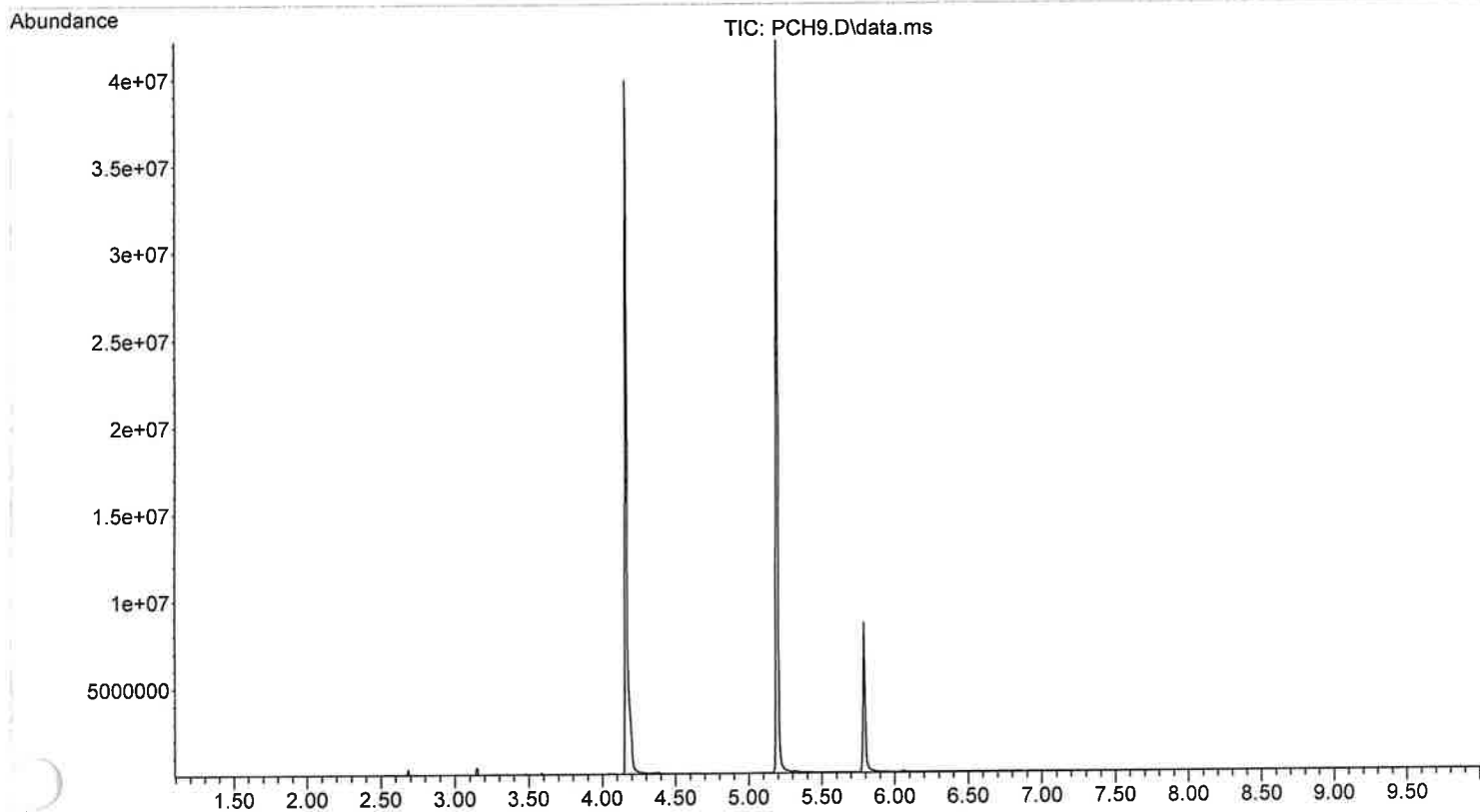
File :X:\2023\GJG\PCH9.D
Operator :
Acquired : 13 Feb 2023 14:02 using AcqMethod MSDRUGS60.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD -- 60-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 1



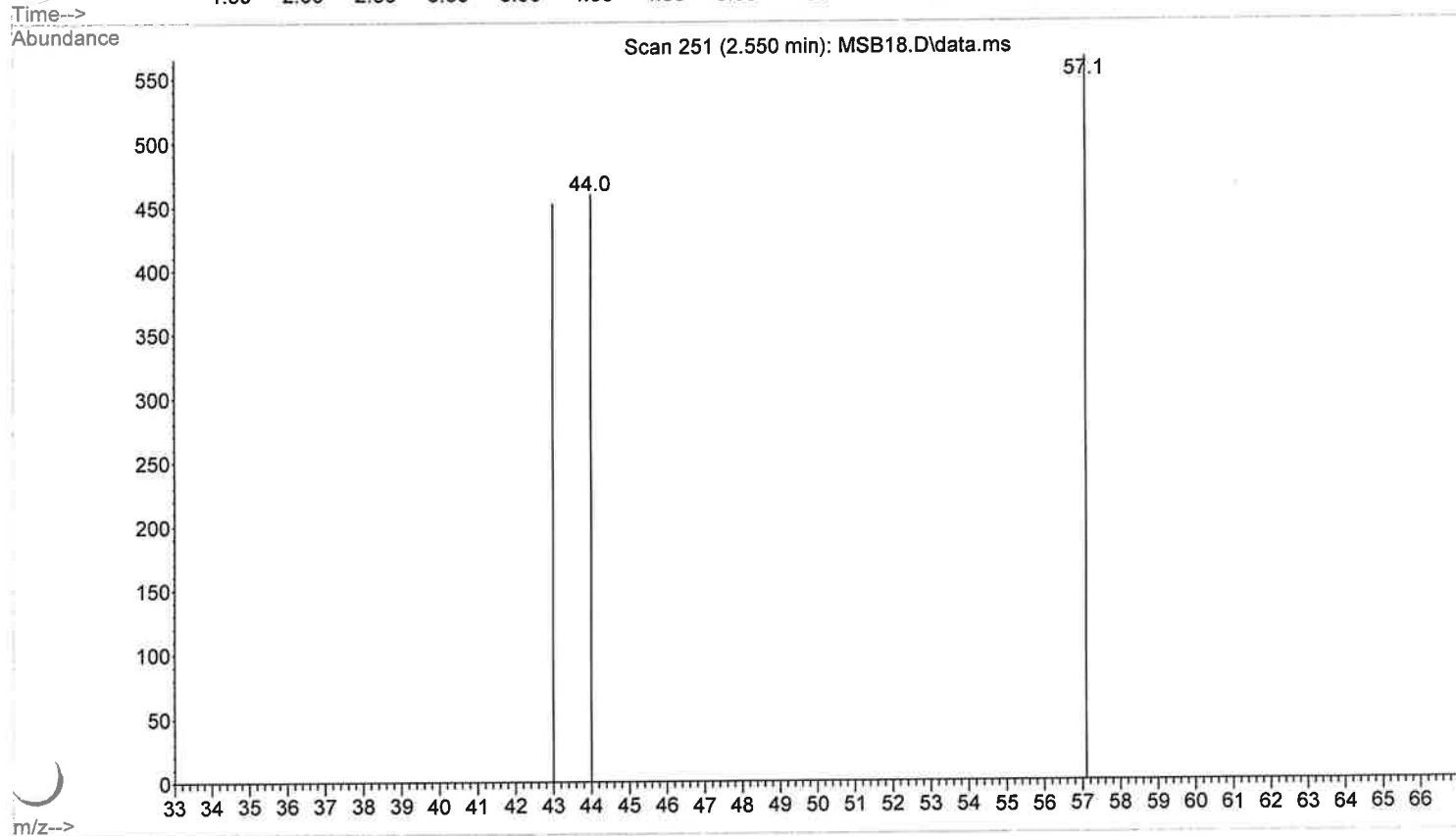
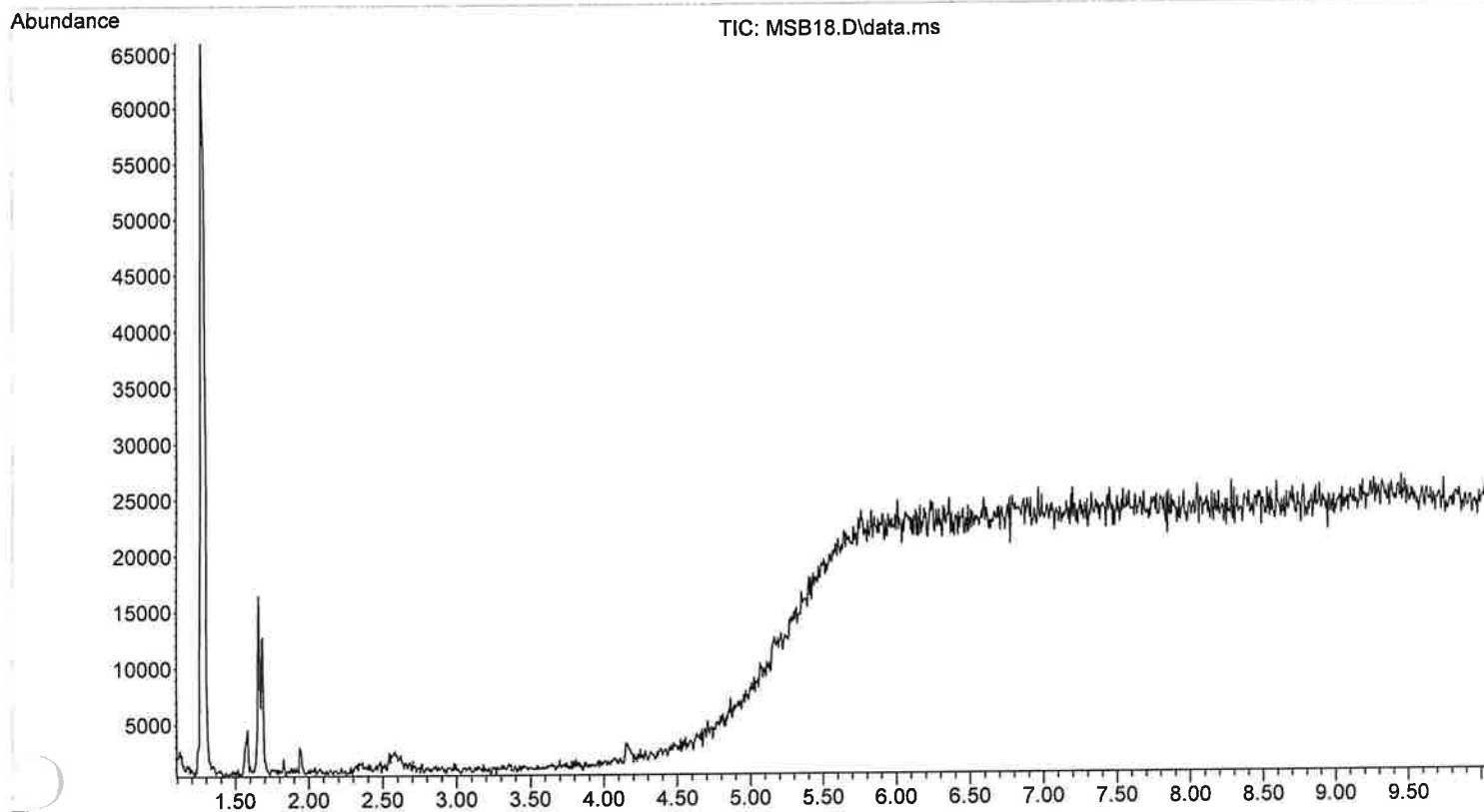
File :X:\2023\GJG\PCH9.D
Operator :
Acquired : 13 Feb 2023 14:02 using AcqMethod MSDRUGS60.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD -- 60-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 1



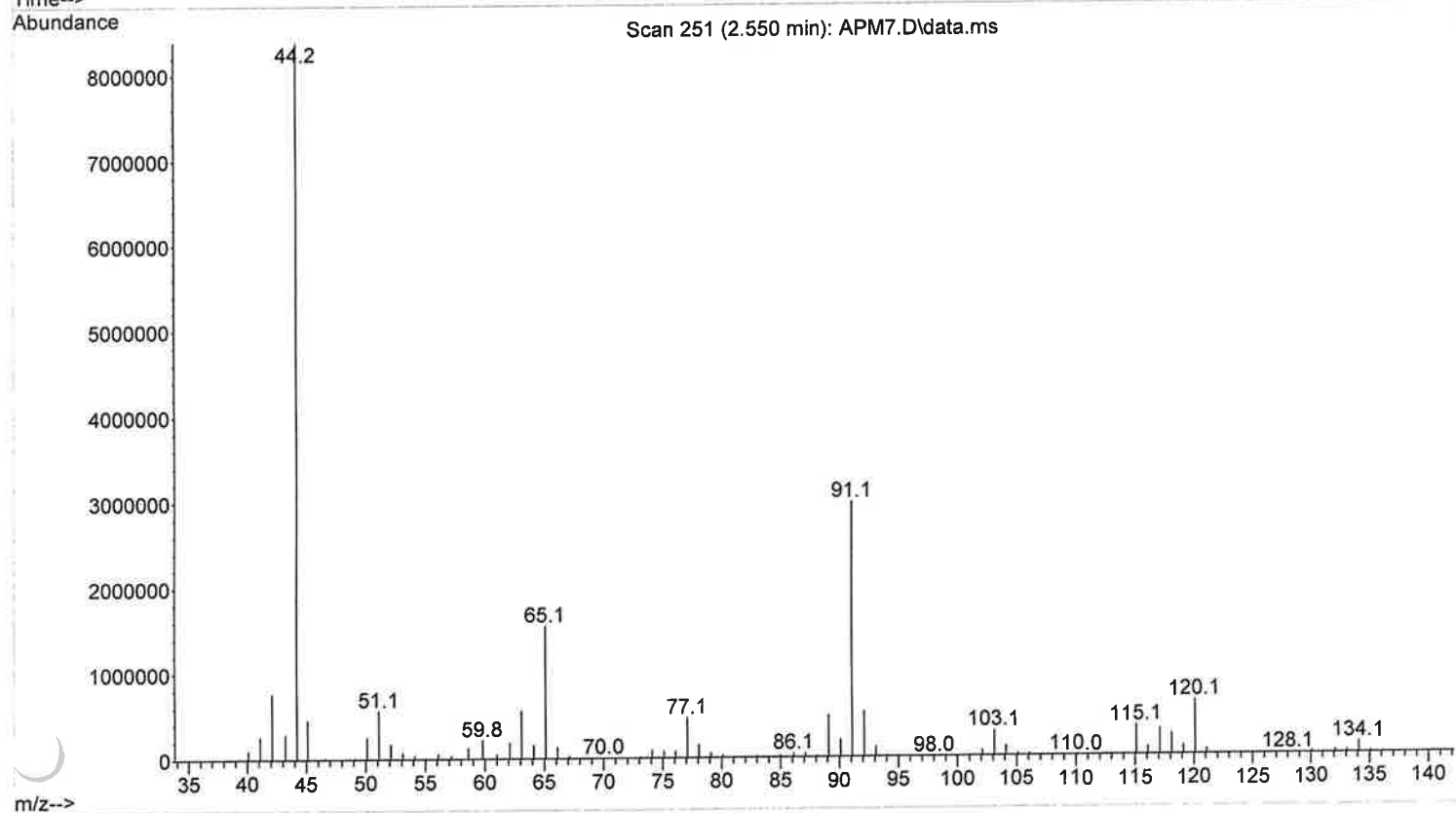
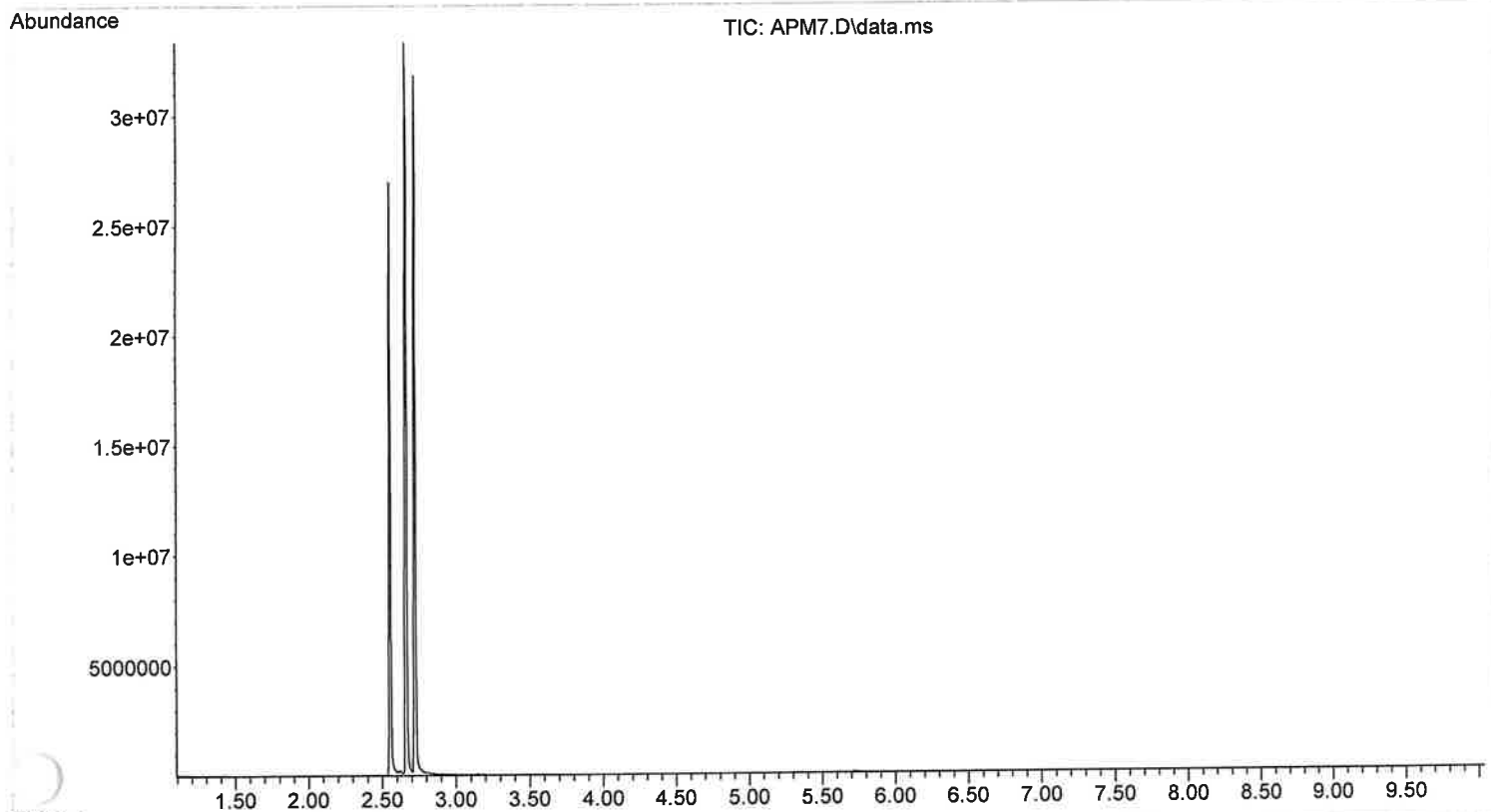
File :X:\2023\GJG\PCH9.D
Operator :
Acquired : 13 Feb 2023 14:02 using AcqMethod MSDRUGS60.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD -- 60-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Via : Number: 1



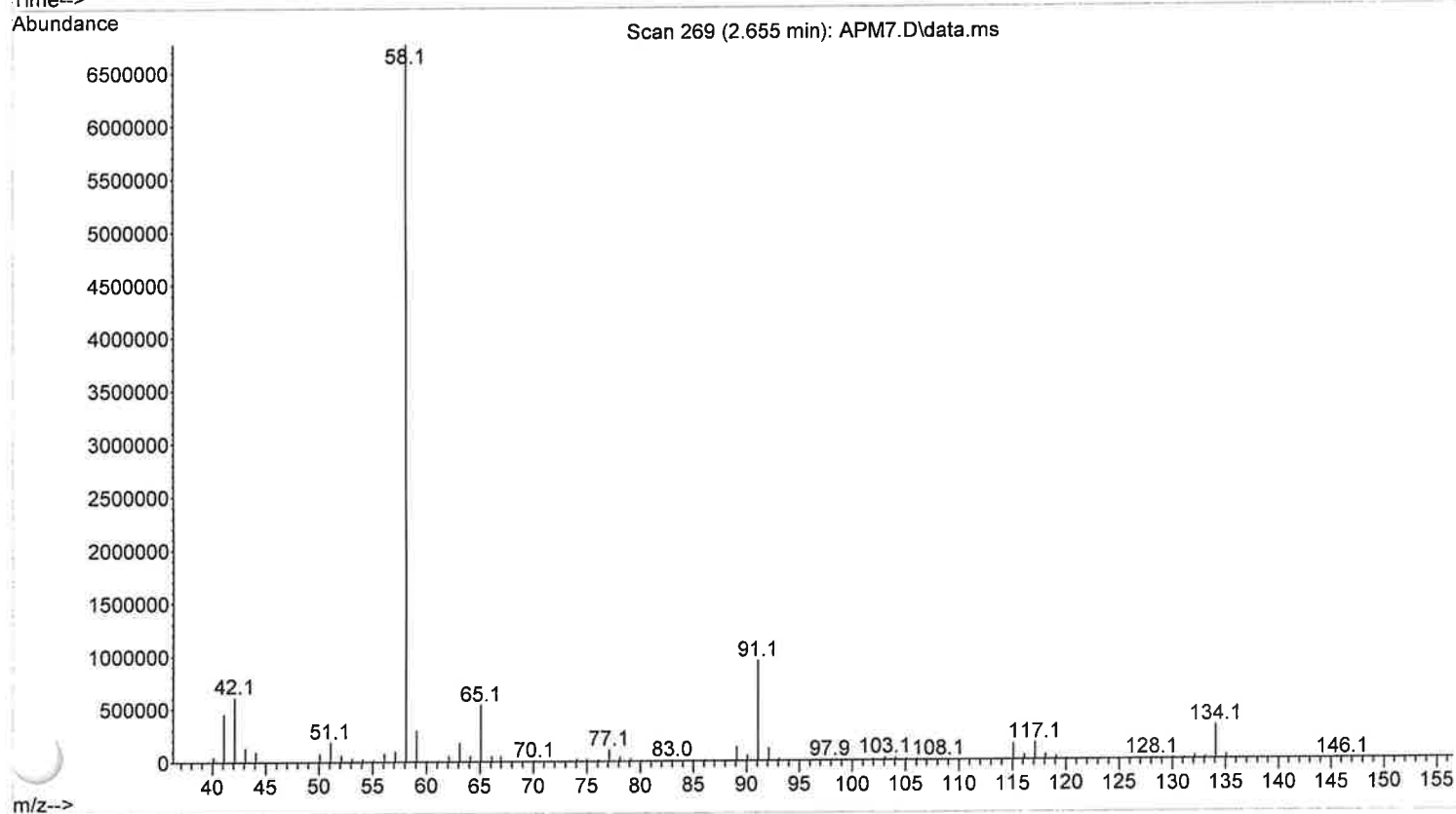
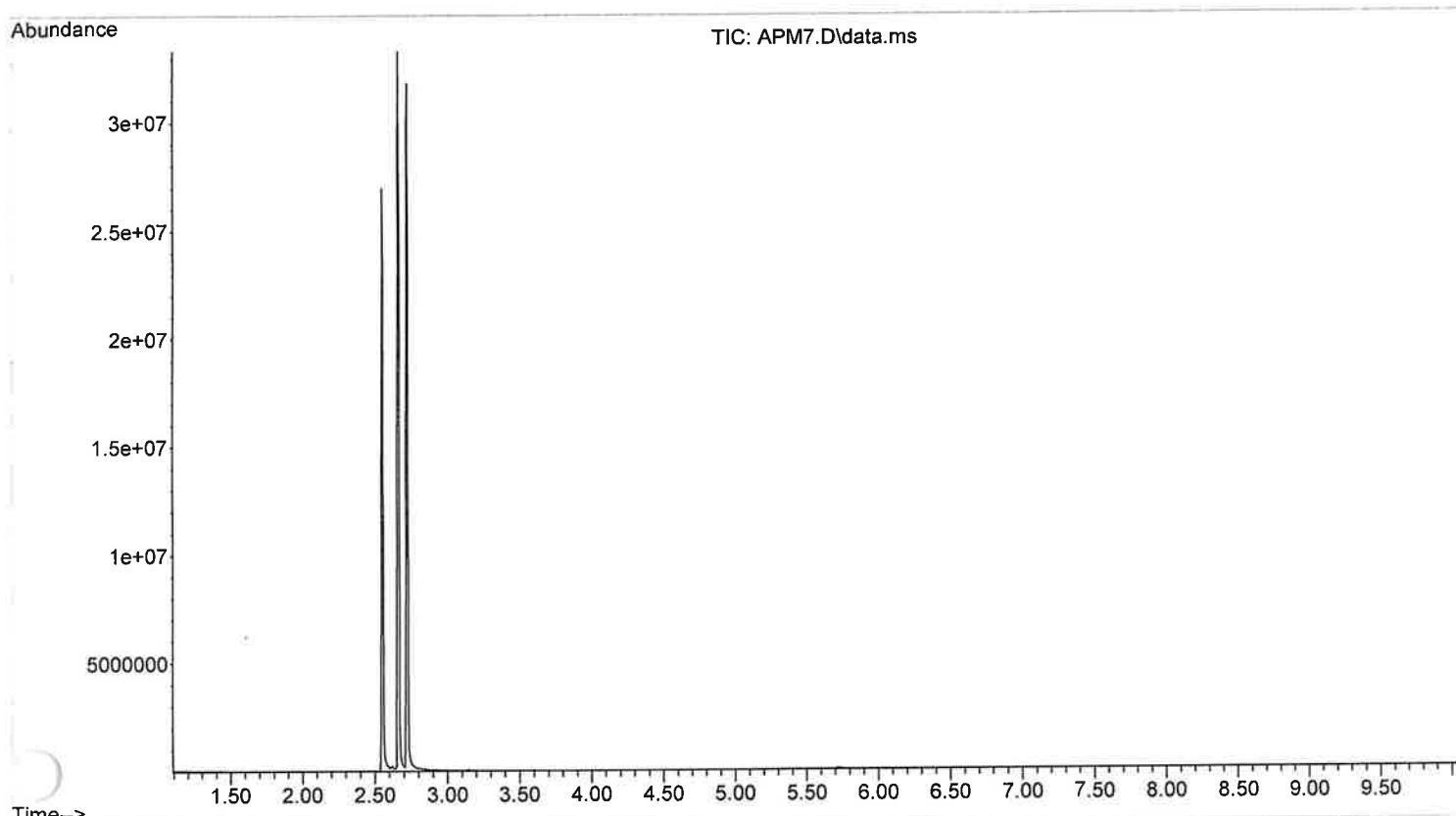
File :X:\2023\GJG\MSB18.D
Operator :
Acquired : 13 Feb 2023 14:50 using AcqMethod MSDRUGS60.M
Instrument : Eggroll
Sample Name: MEOH B FOR GC/IR TEST SOLUTION
Misc Info : 60-280
Vial Number: 1



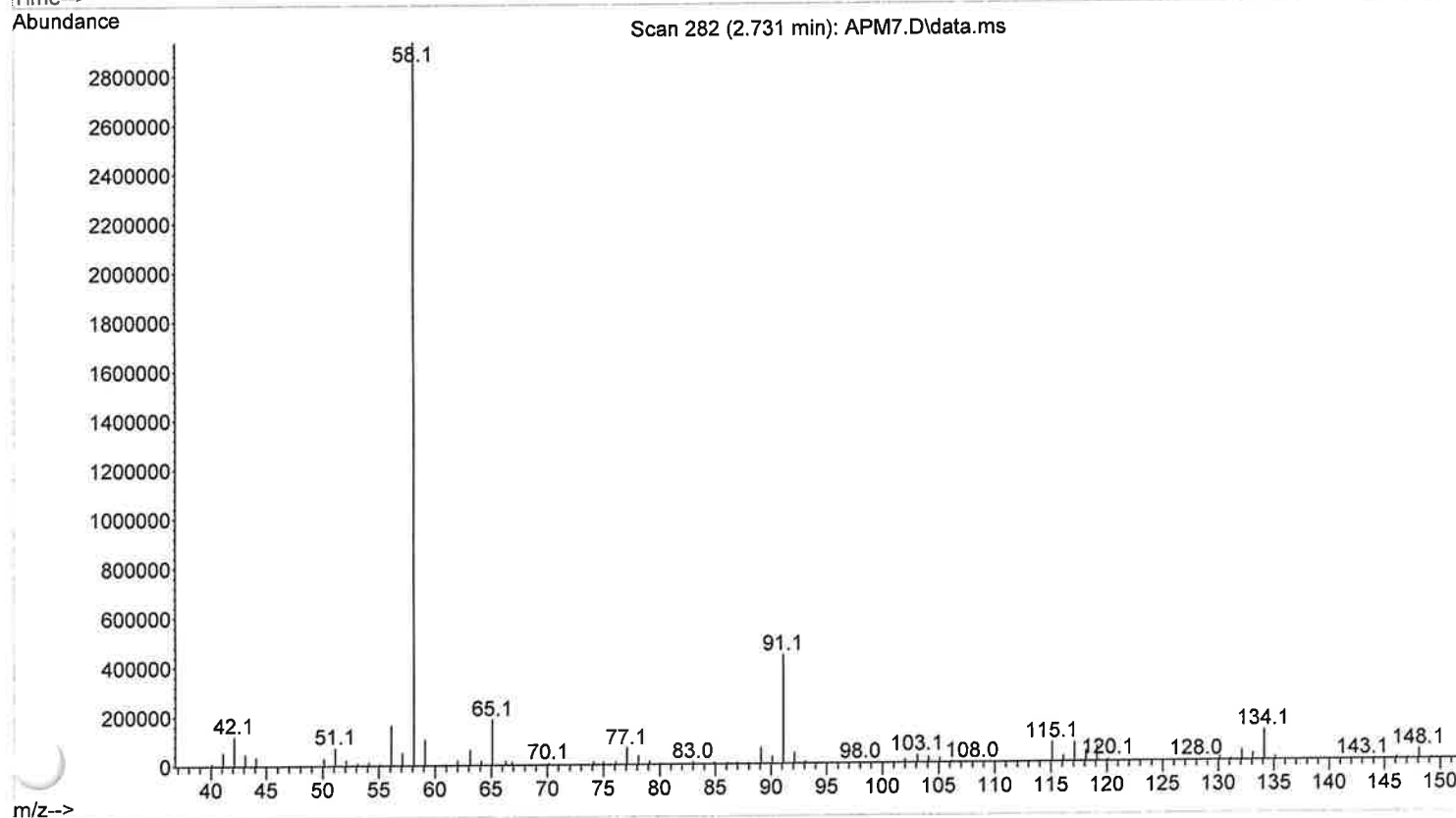
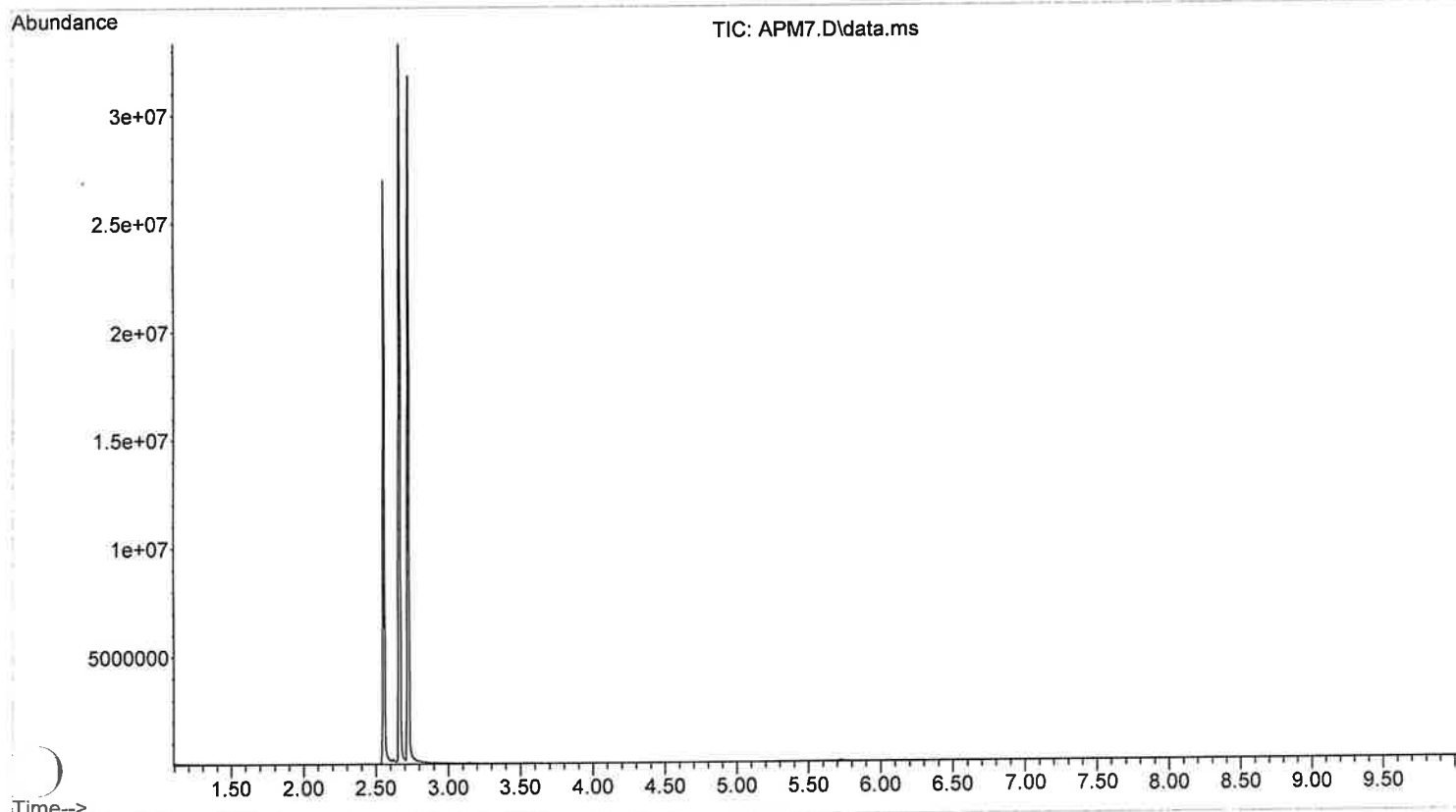
File :X:\2023\GJG\APM7.D
Operator :
Acquired : 13 Feb 2023 15:25 using AcqMethod MSDRUGS60.M
Instrument : Eggroll
Sample Name: GC/IR TEST SOLUTION -- 60-280
Misc Info : AMPHETAMINE / PHENTERMINE / METHAMPHETAMINE
Vial Number: 1



File :X:\2023\GJG\APM7.D
Operator :
Acquired : 13 Feb 2023 15:25 using AcqMethod MSDRUGS60.M
Instrument : Eggroll
Sample Name: GC/IR TEST SOLUTION -- 60-280
Misc Info : AMPHETAMINE / PHENTERMINE / METHAMPHETAMINE
Via Number: 1



File :X:\2023\GJG\APM7.D
Operator :
Acquired : 13 Feb 2023 15:25 using AcqMethod MSDRUGS60.M
Instrument : Eggroll
Sample Name: GC/IR TEST SOLUTION -- 60-280
Misc Info : AMPHETAMINE / PHENTERMINE / METHAMPHETAMINE
Vial Number: 1



METHOD CONTROL PARAMETERS

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

Method Sections To Run:

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

Method Comments:

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

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

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

Scan Time Segments

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

Timed Events

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

Real-Time Plots

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

Self-Cleaning Ion Source Parameters

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

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

Mon Jan 09 15:46:24 2023

Control Information

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

No Sample Prep method has been assigned to this method.

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

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

Equilibration Time 0.5 min
Max Temperature 450 °C
Minimum Temperature Override Disabled
S. W Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 3
Solvent A Volume 8 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 3
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
Injection Type Standard
I1 Airgap 0.2 µL
Solvent Wash Mode A, B

Back Injector	10 µL
Syringe Size	1 µL
Injection Volume	2
Solvent A Washes (PreInj)	3
Solvent A Washes (PostInj)	3 µL
Solvent A Volume	2
Solvent B Washes (PreInj)	3
Solvent B Washes (PostInj)	3 µL
Solvent B Volume	2
Sample Washes	1 µL
Sample Wash Volume	3
Sample Pumps	0 min
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	300 µL/min
Solvent Wash Draw Speed	6000 µL/min
Solvent Wash Dispense Speed	300 µL/min
Sample Wash Draw Speed	6000 µL/min
Sample Wash Dispense Speed	6000 µL/min
Injection Dispense Speed	0 sec
Viscosity Delay	Disabled
Sample Depth	Standard
Injection Type	0.2 µL
L1 Airgap	A, B
Solvent Wash Mode	
Sample Overlap	Sample overlap is not enabled
Mode	
ALS Errors	Pause for user interaction
Front SS Inlet He	***Excluded from Affecting GC's Readiness State***
Excluded from Readiness	Split
Mode	On 250 °C
Heater	On 8.5 psi
Pressure	On 45.194 mL/min
Total Flow	On 3 mL/min
Septum Purge Flow	Off
Gas Saver	50 :1
Split Ratio	41.367 mL/min
Split Flow	A Liner has not been selected.
Liner	
Back SS Inlet He	***Excluded from Affecting GC's Readiness State***
Excluded from Readiness	Split
Mode	On 250 °C
Heater	On 8.5 psi
Pressure	On 141.9 mL/min
Total Flow	On 3 mL/min
Septum Purge Flow	Off
Gas Saver	50 :1
Split Ratio	136.18 mL/min
Split Flow	A Liner has not been selected.
Liner	
Thermal Aux 2 (MSD Transfer Line)	
Temperature	On
Setpoint	280 °C
(Initial)	
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Column	
Column #1	

Flow	On
Setpoint	0.82733 mL/min
(Initial)	3.5062 mL/min
Post Run	
Column Information	19091S-602
MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm (Calibrated)
In	Front SS Inlet He
Out	MSD
(Initial)	100 °C
Pressure	8.5 psi
Flow	0.82733 mL/min
Average Velocity	52.55 cm/sec
Holdup Time	0.39644 min
Control Mode	Constant Flow
Column #2	
Pressure	
Setpoint	On
(Initial)	8.5 psi
Post Run	10 psi
Column Information	19091S-913
HP-1MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	15 m x 320 µm x 0.25 µm (Calibrated)
In	Back SS Inlet He
Out	Other
(Initial)	100 °C
Pressure	8.5 psi
Flow	2.7236 mL/min
Average Velocity	54.059 cm/sec
Holdup Time	0.46246 min
Control Mode	Constant Pressure
Column Outlet Pressure	0 psi
Front Detector FID	
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Makeup	He
Heater	On 300 °C
H2 Flow	Off
Air Flow	Off
Makeup Flow	Off
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	Off
Signals	
Signal #1: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	Off
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #2: Test Plot	
Description	Test Plot
Save	Off
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #3: Test Plot	

Description	Test Plot
Save	Off
Data Rate	50 Hz
Dual Injection Assignment	Back Sample

Signal #4: Test Plot	
Description	Test Plot
Save	Off
Data Rate	50 Hz
Dual Injection Assignment	Back Sample

TUNE PARAMETERS for SN: US61633037

Trace Ion Detection is OFF.

34.610	:	EMISSION	
70.347	:	ENERGY	
34.961	:	REPELLER	
88.259	:	IONFOCUS	
25.500	:	ENTRANCE LENS	
1435.294	:	EMVOLTS	
		1635.294	: Actual EMV
		1.02	: GAIN FACTOR
2126.000	:	AMUGAIN	
120.563	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
18.824	:	ENTLENSOFFSET	
-575.000	:	MASSGAIN	
-34.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

Method Path : C:\MassHunter\GCMS\1\methods\

Method File : MS DRUGSTI.M

Title :

Update :

Response Via : Initial Calibration

Total Cpnds : 0

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

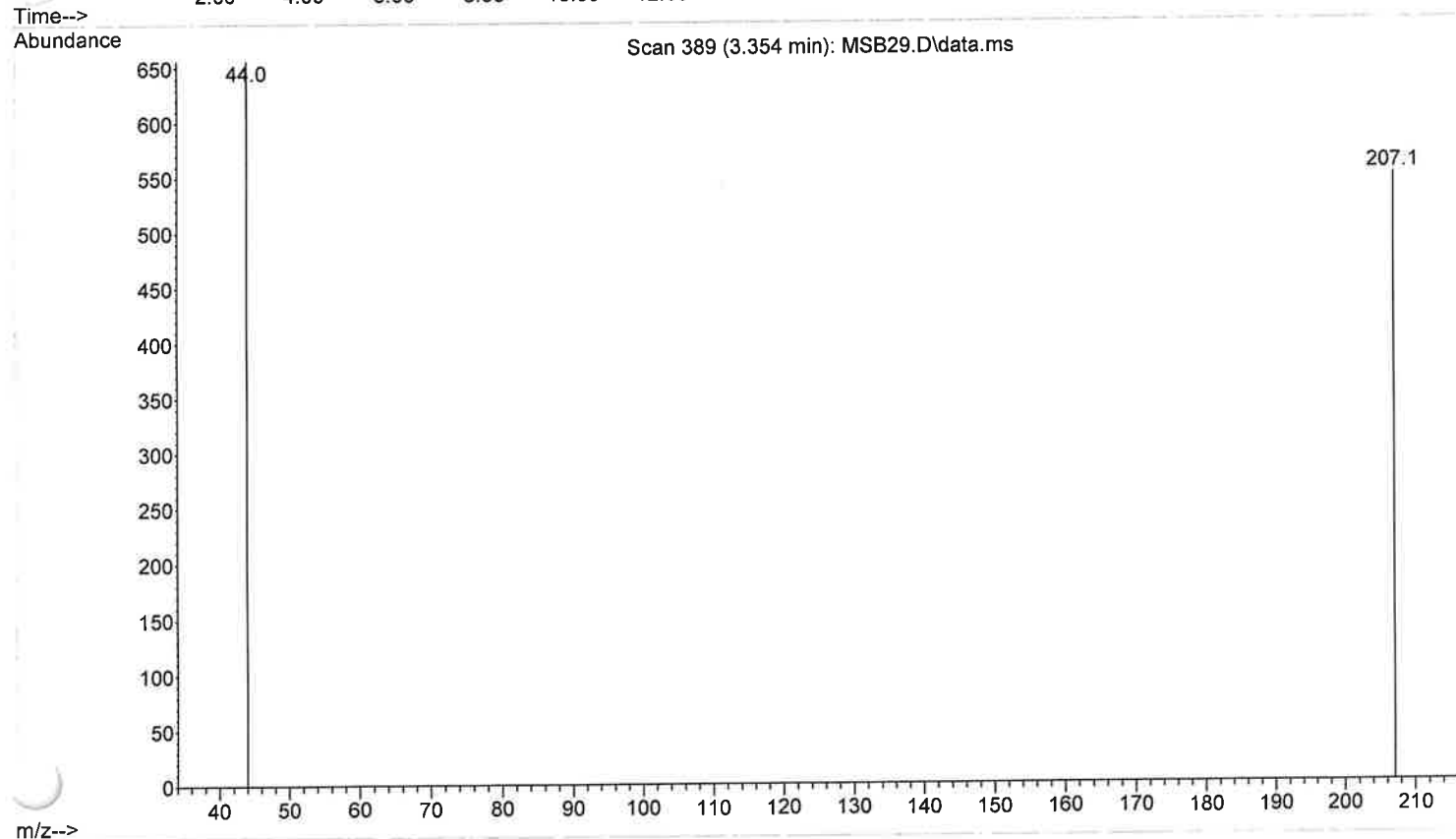
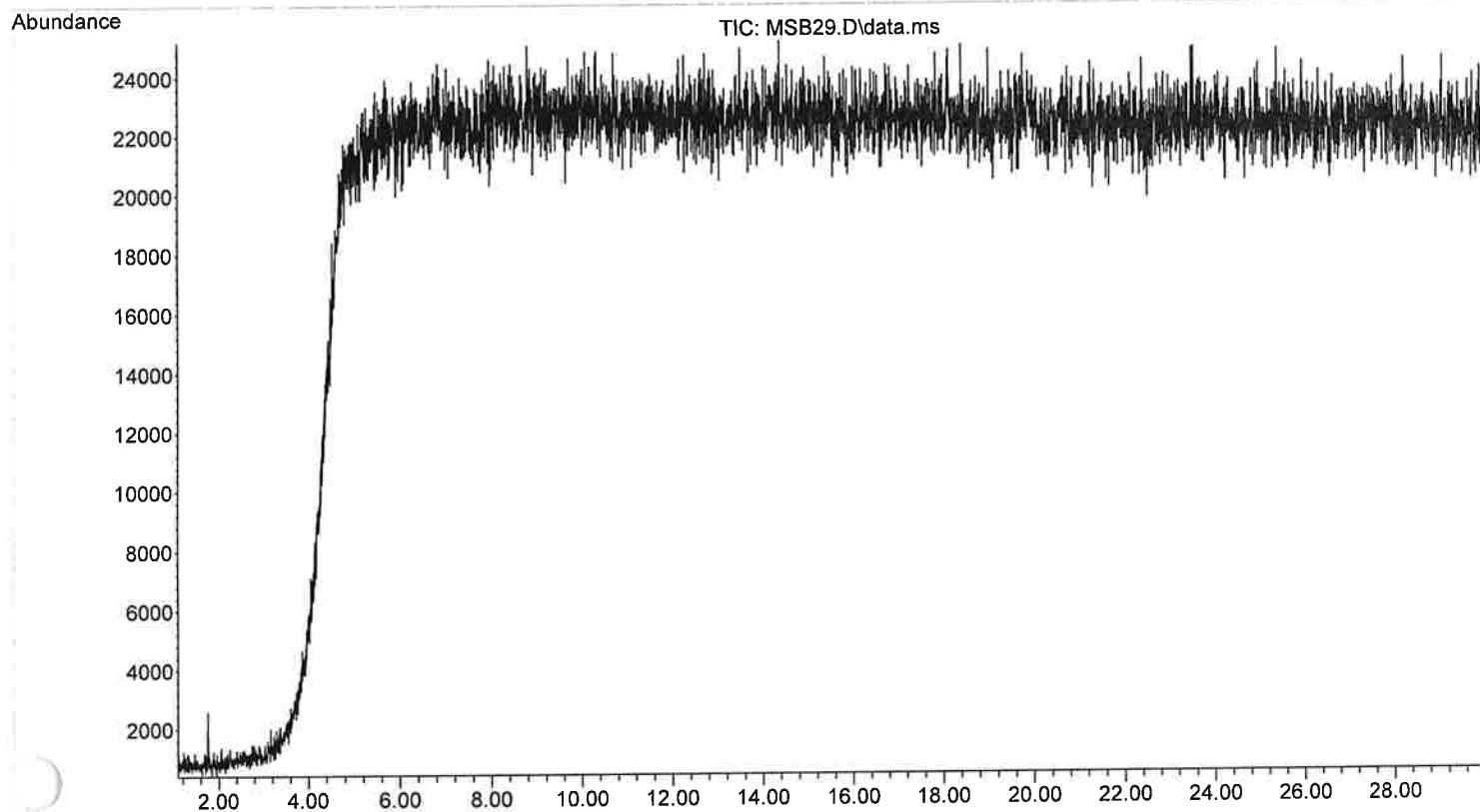
Cal A = Average L = Linear LO = Linear w/origin Q = Quad Q0 = Quad w/origin

#Qual = number of qualifiers

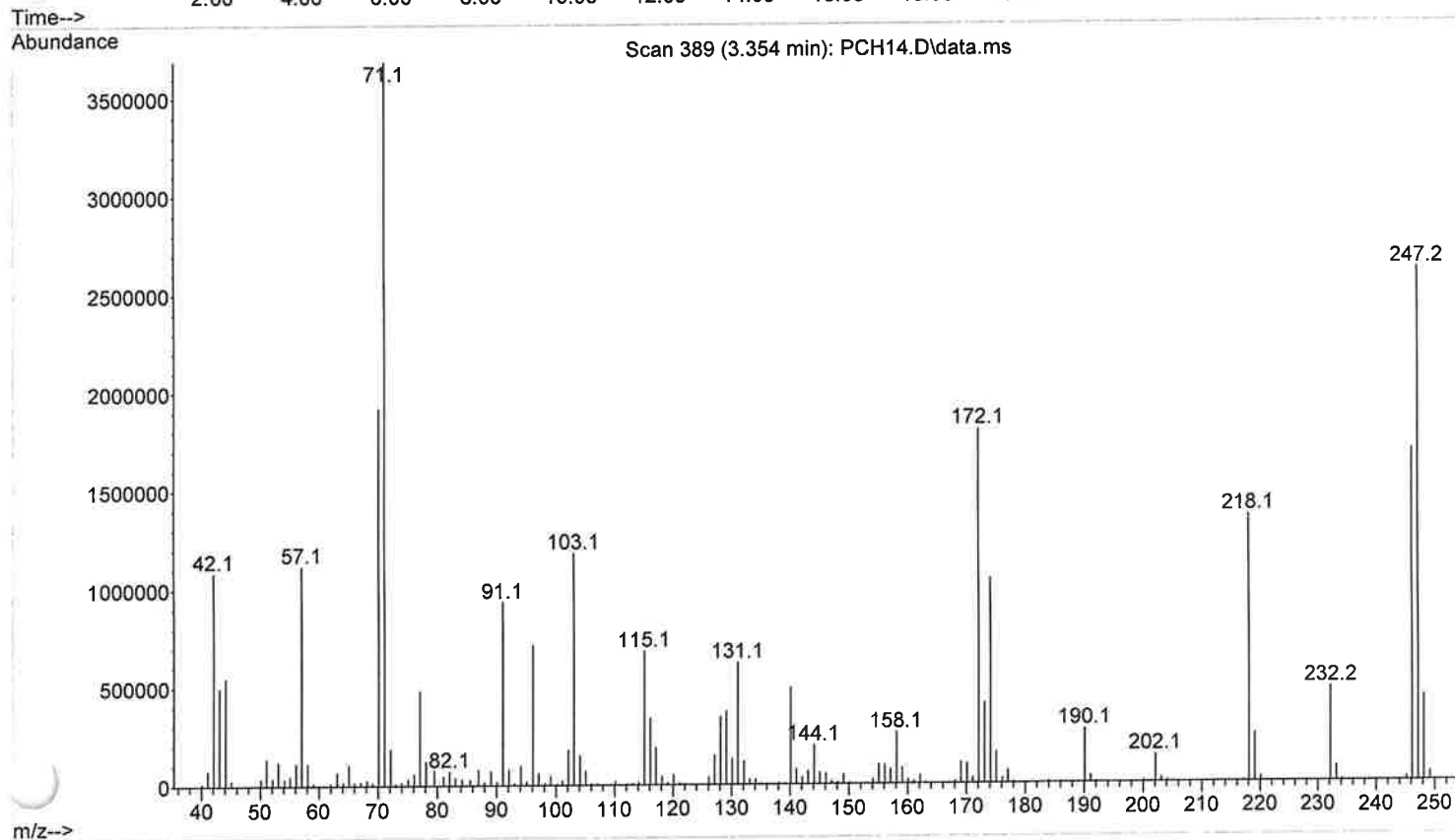
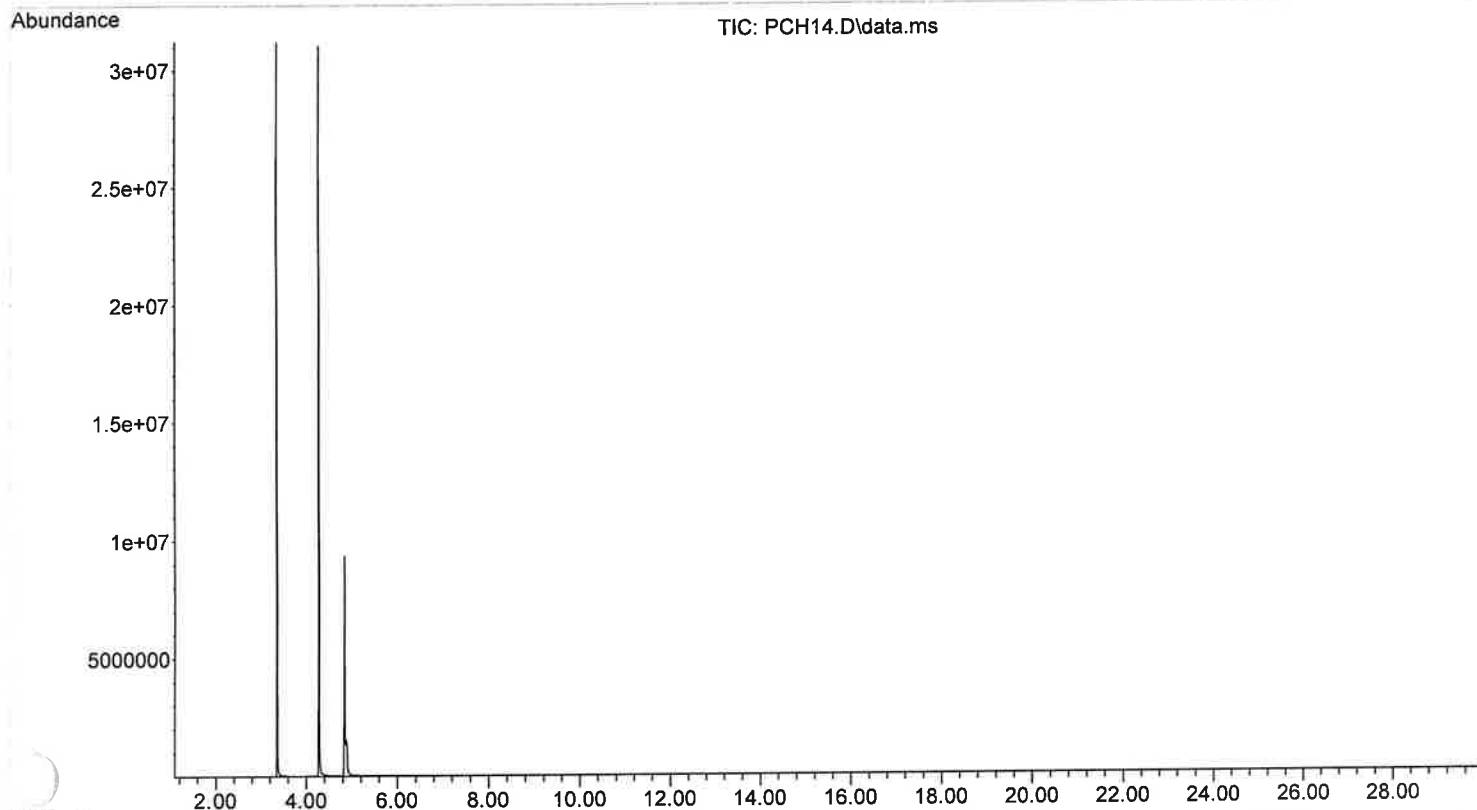
A/H = Area or Height

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

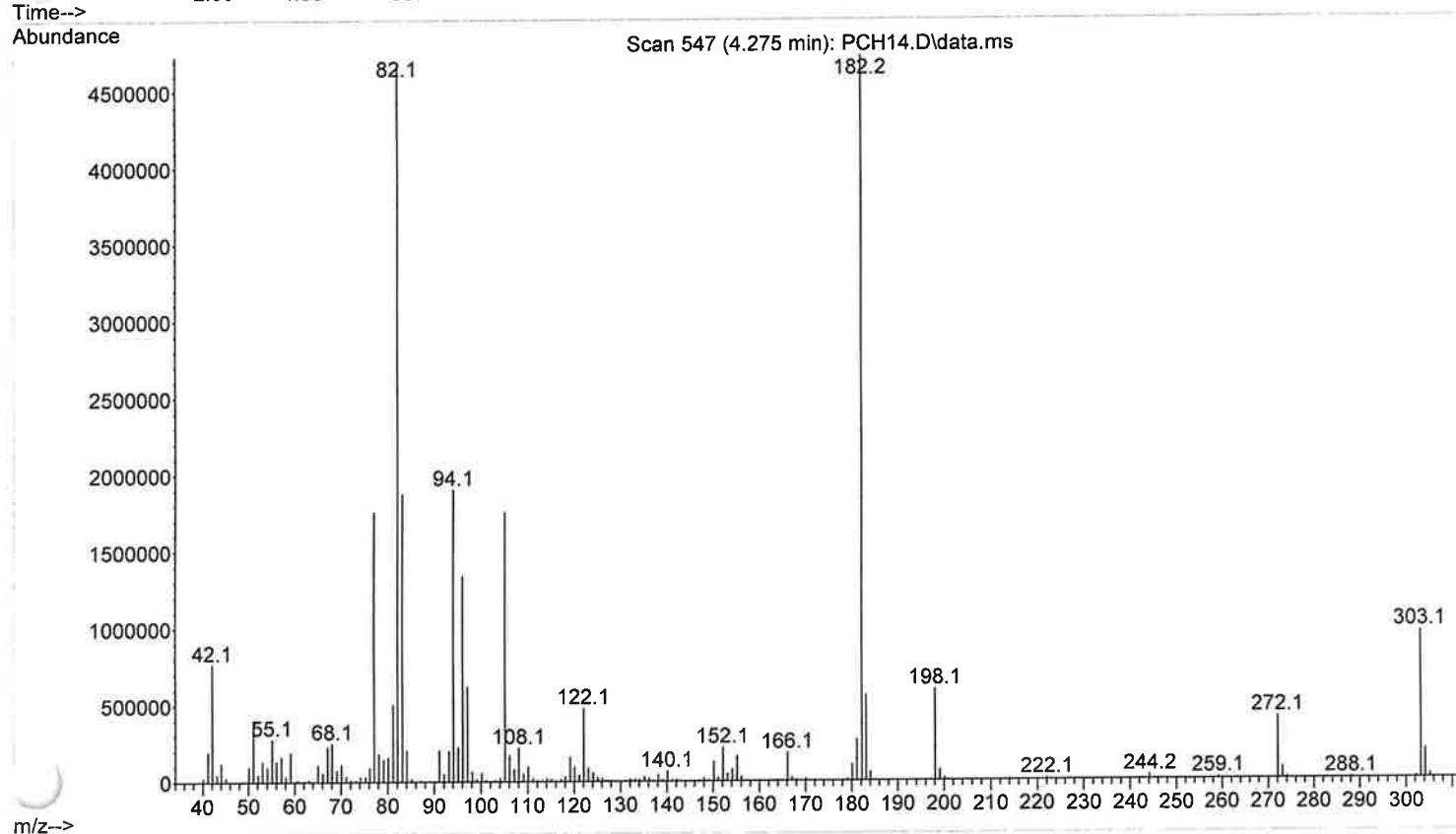
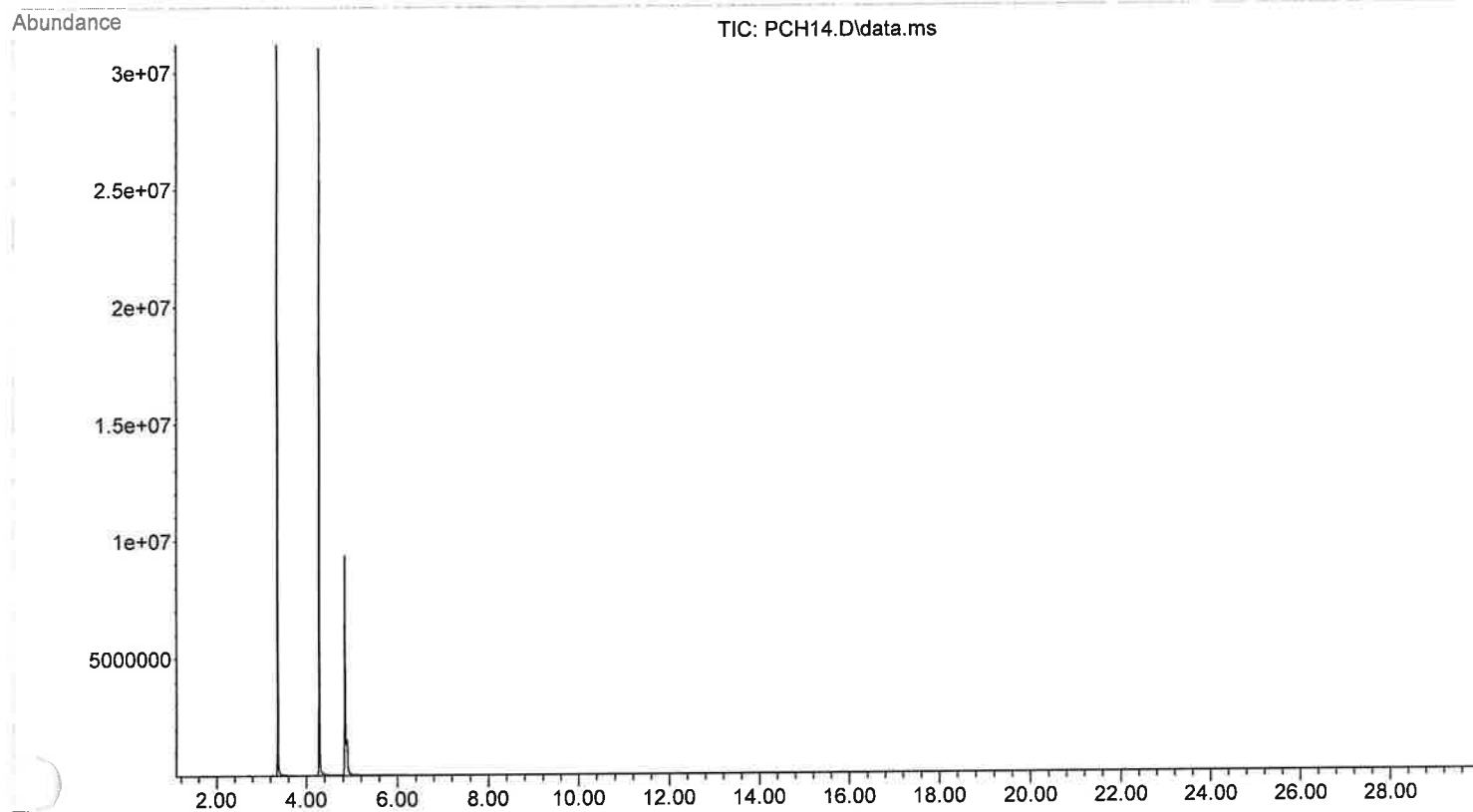
File :X:\2023\GJG\MSB29.D
Operator :
Acquired : 02 Mar 2023 16:55 using AcqMethod MSBRUGSTI.M
Instrument : Eggroll
Sample Name: MEOH B FOR CALIBRATION STANDARD
Misc Info : 100-280
Vial Number: 1



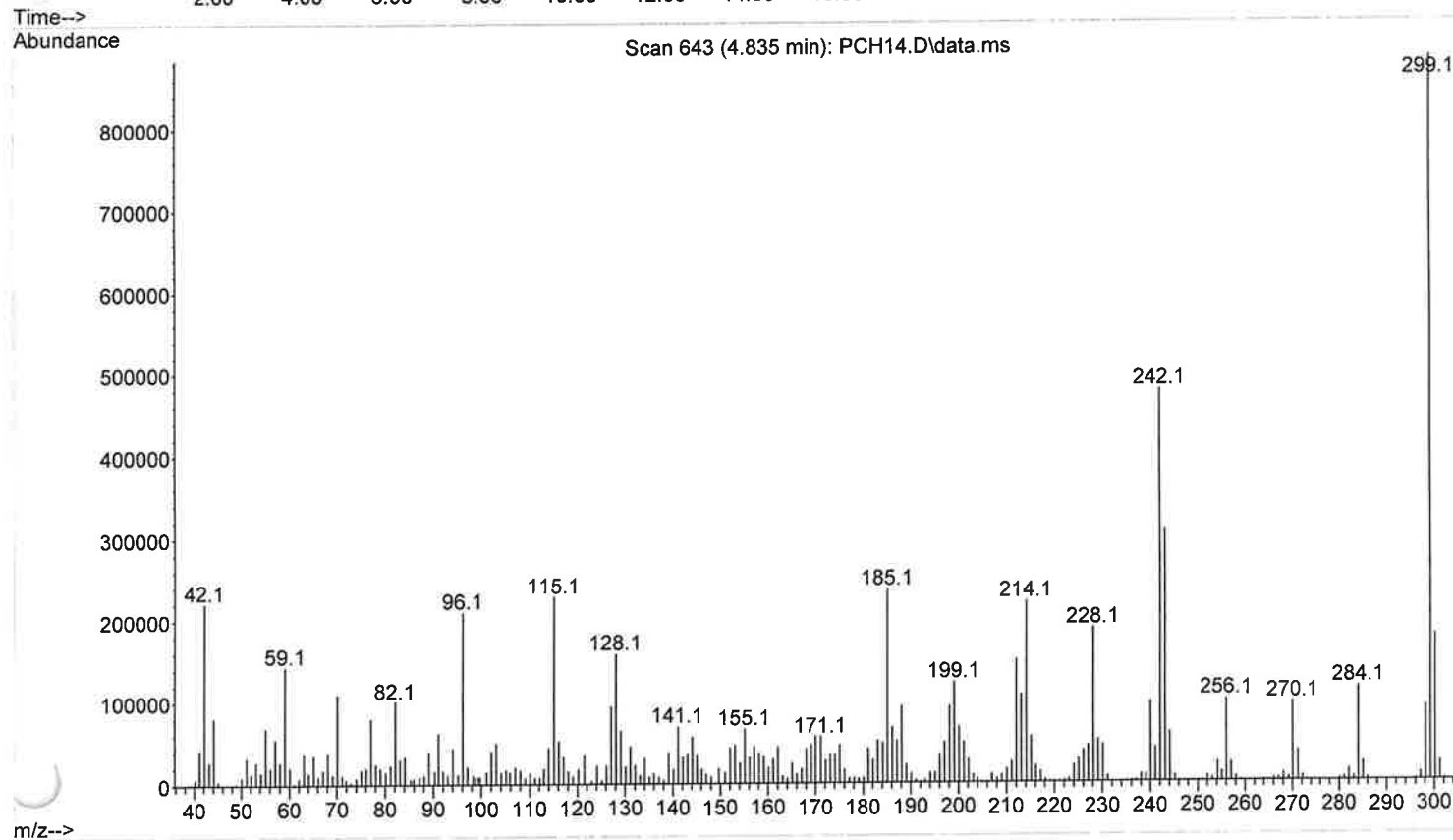
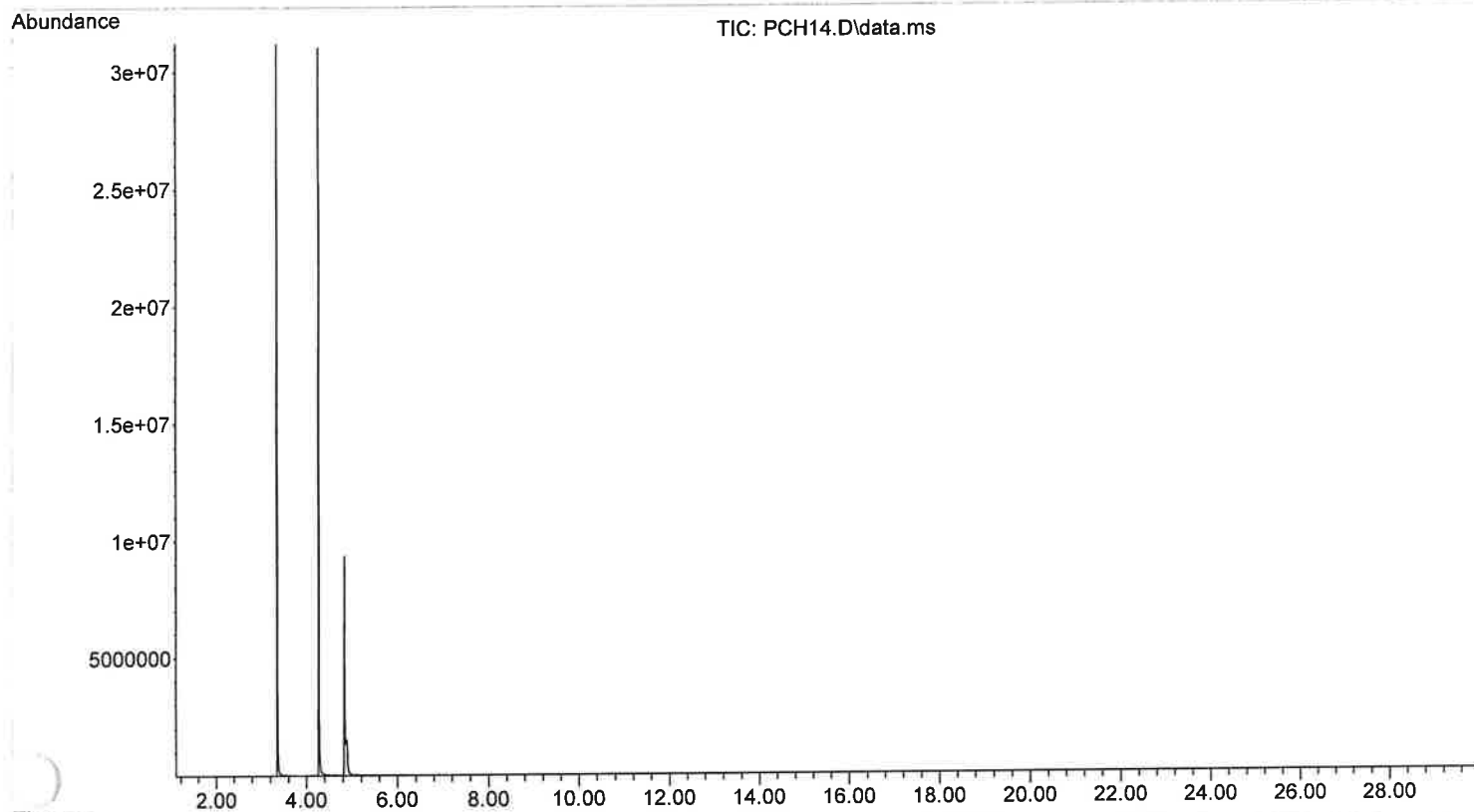
File :X:\2023\GJG\PCH14.D
Operator :
Acquired : 02 Mar 2023 17:31 using AcqMethod MSDRUGSTI.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD -- 100-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 1



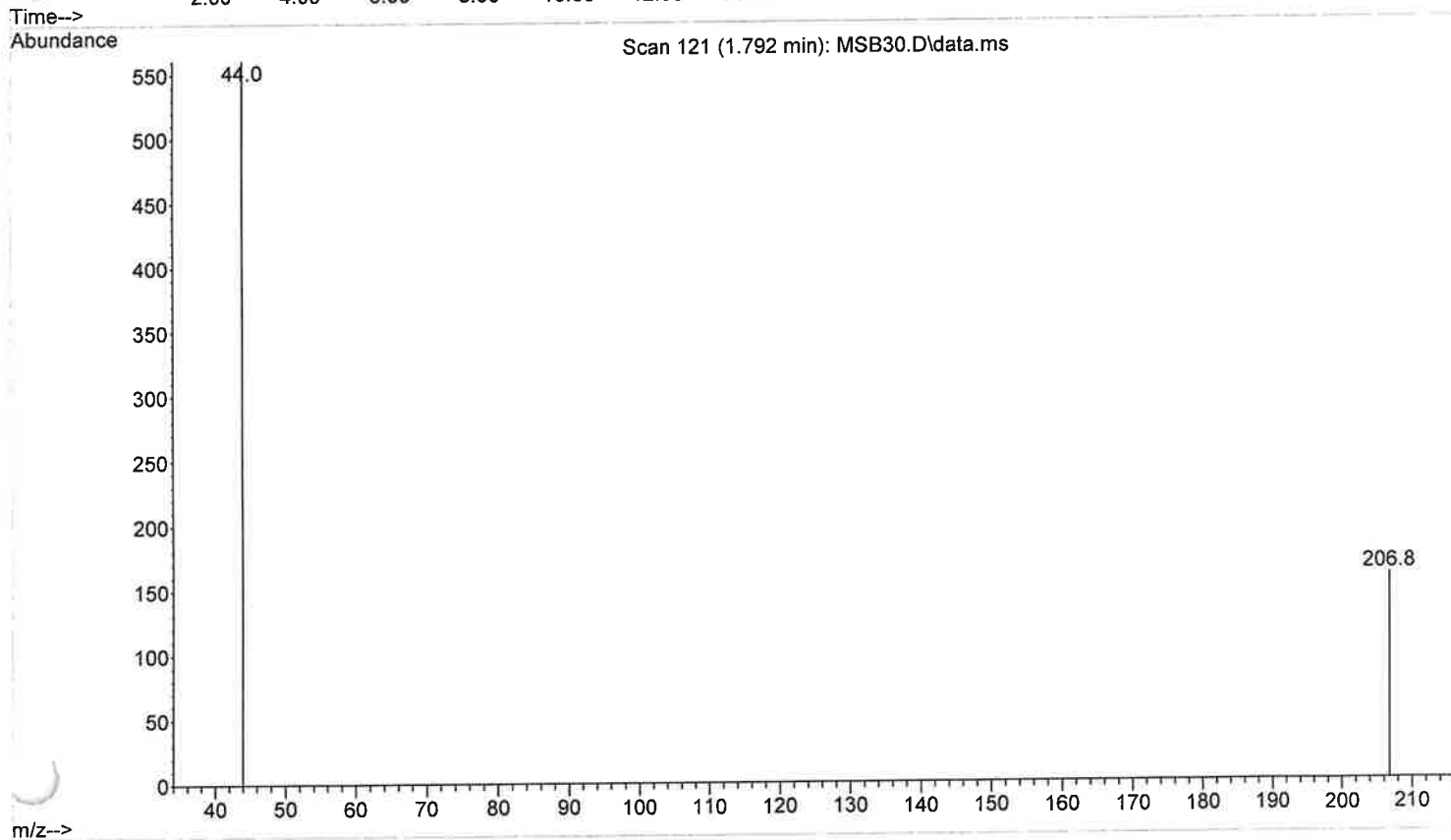
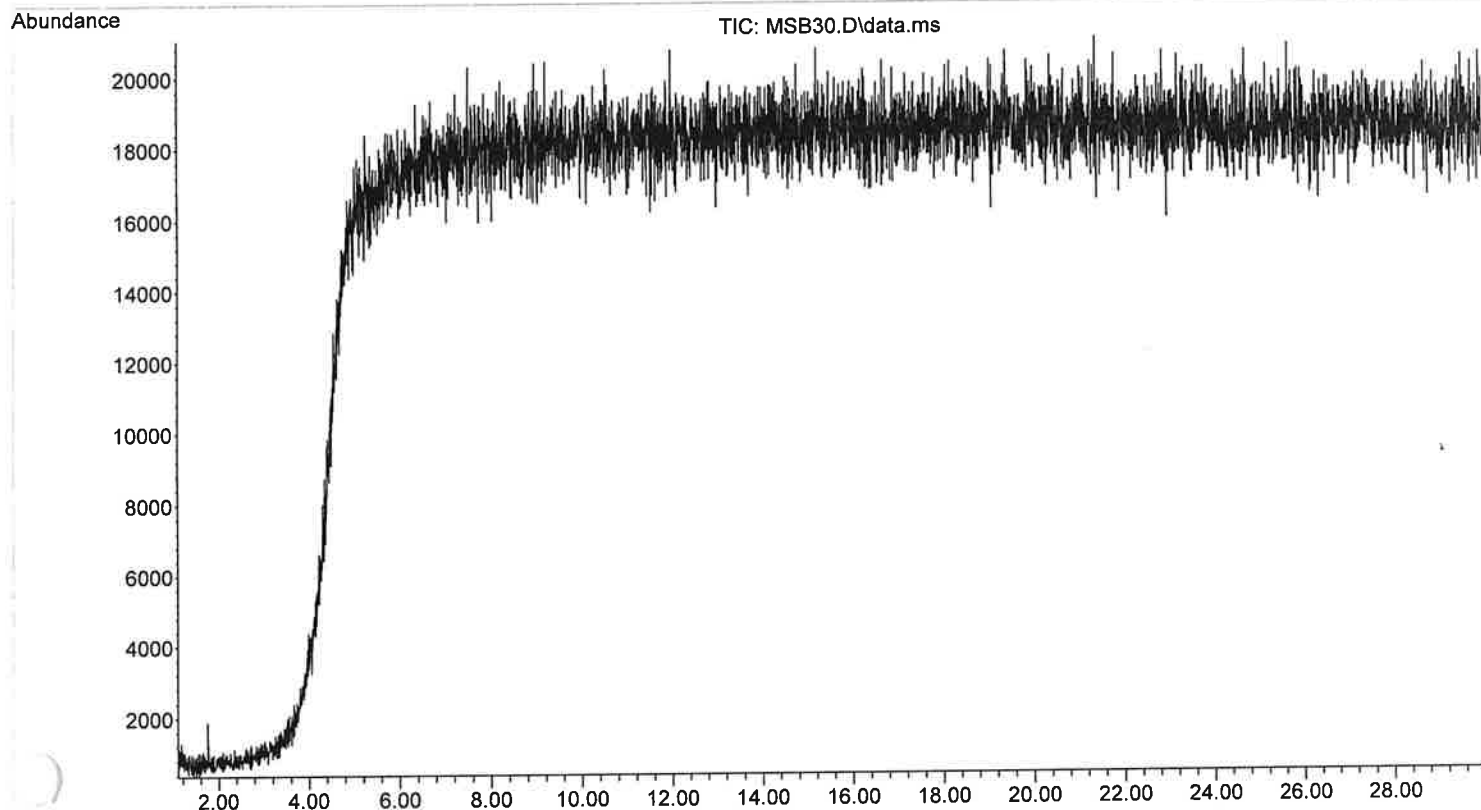
File :X:\2023\GJG\PCH14.D
Operator :
Acquired : 02 Mar 2023 17:31 using AcqMethod MSDRUGSTI.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD -- 100-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 1



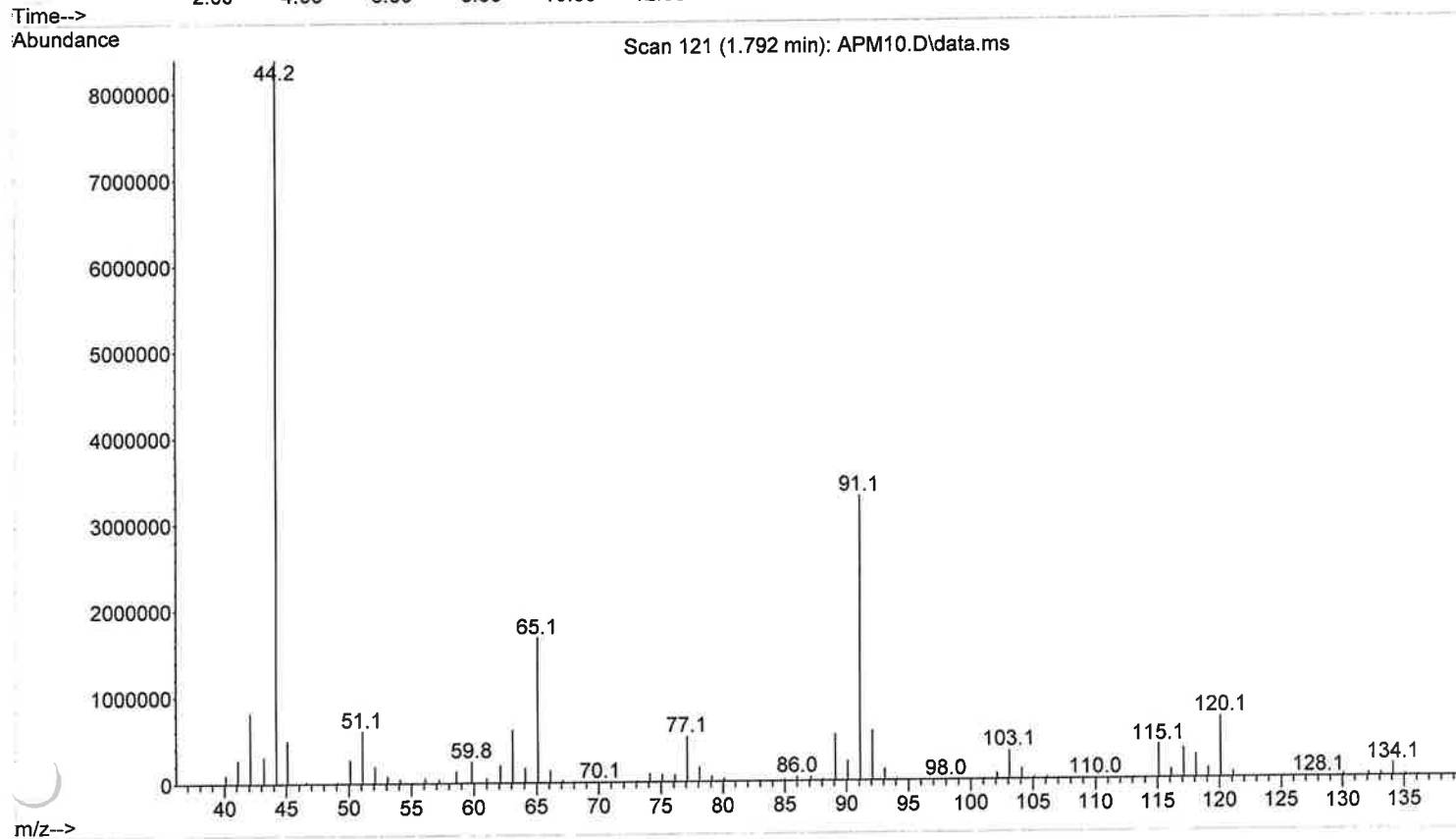
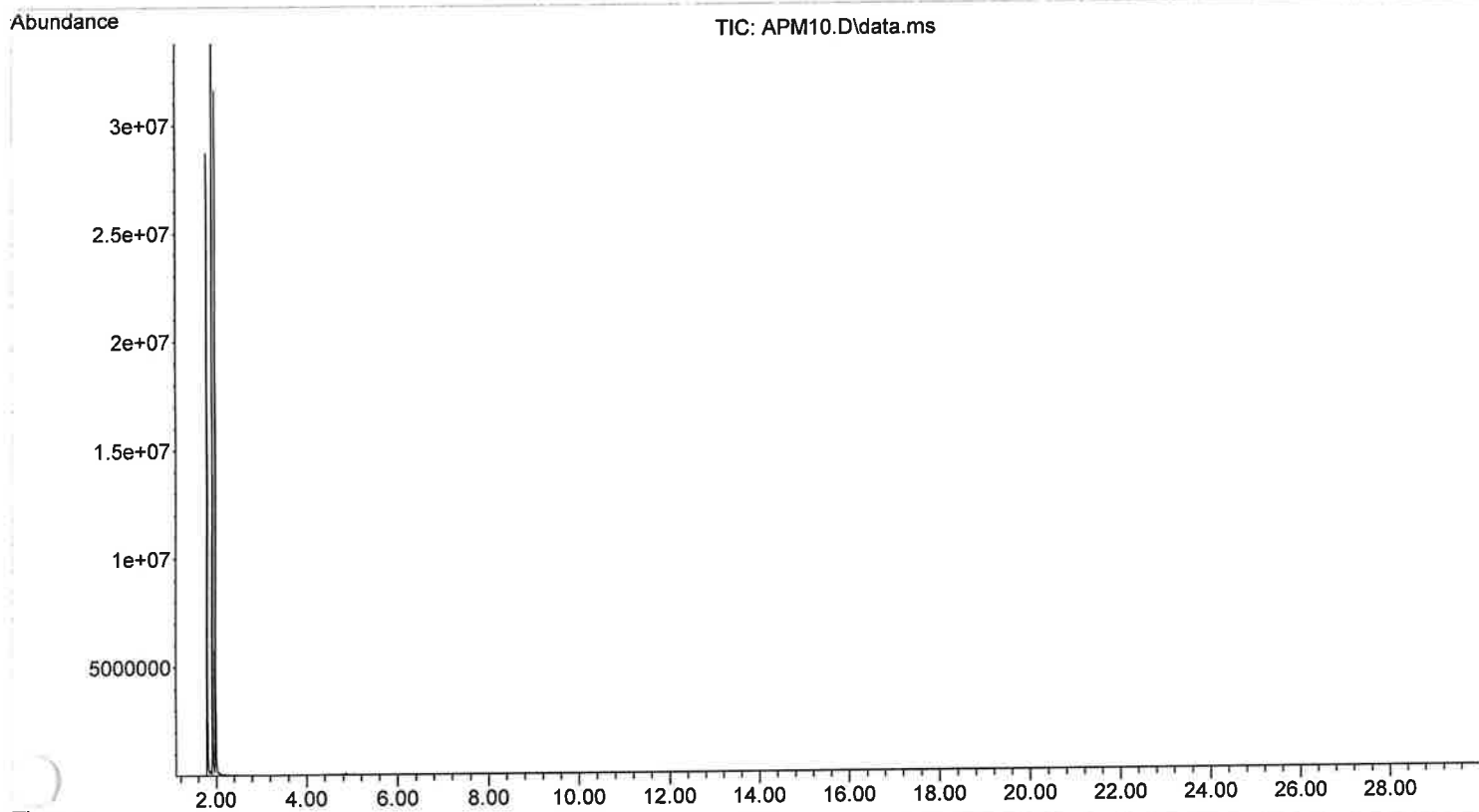
File :X:\2023\GJG\PCH14.D
Operator :
Acquired : 02 Mar 2023 17:31 using AcqMethod MSDRUGSTI.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD -- 100-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 1



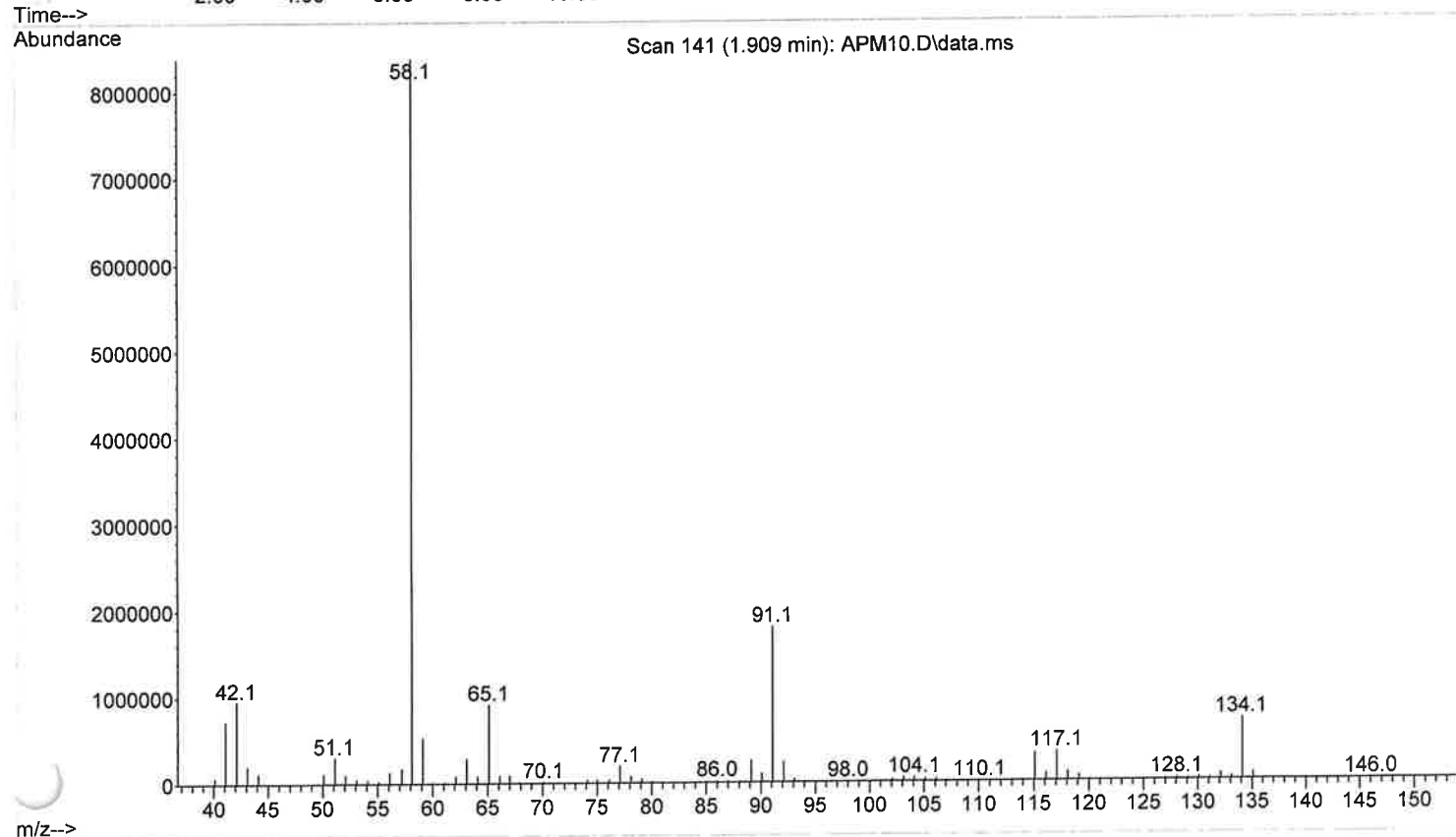
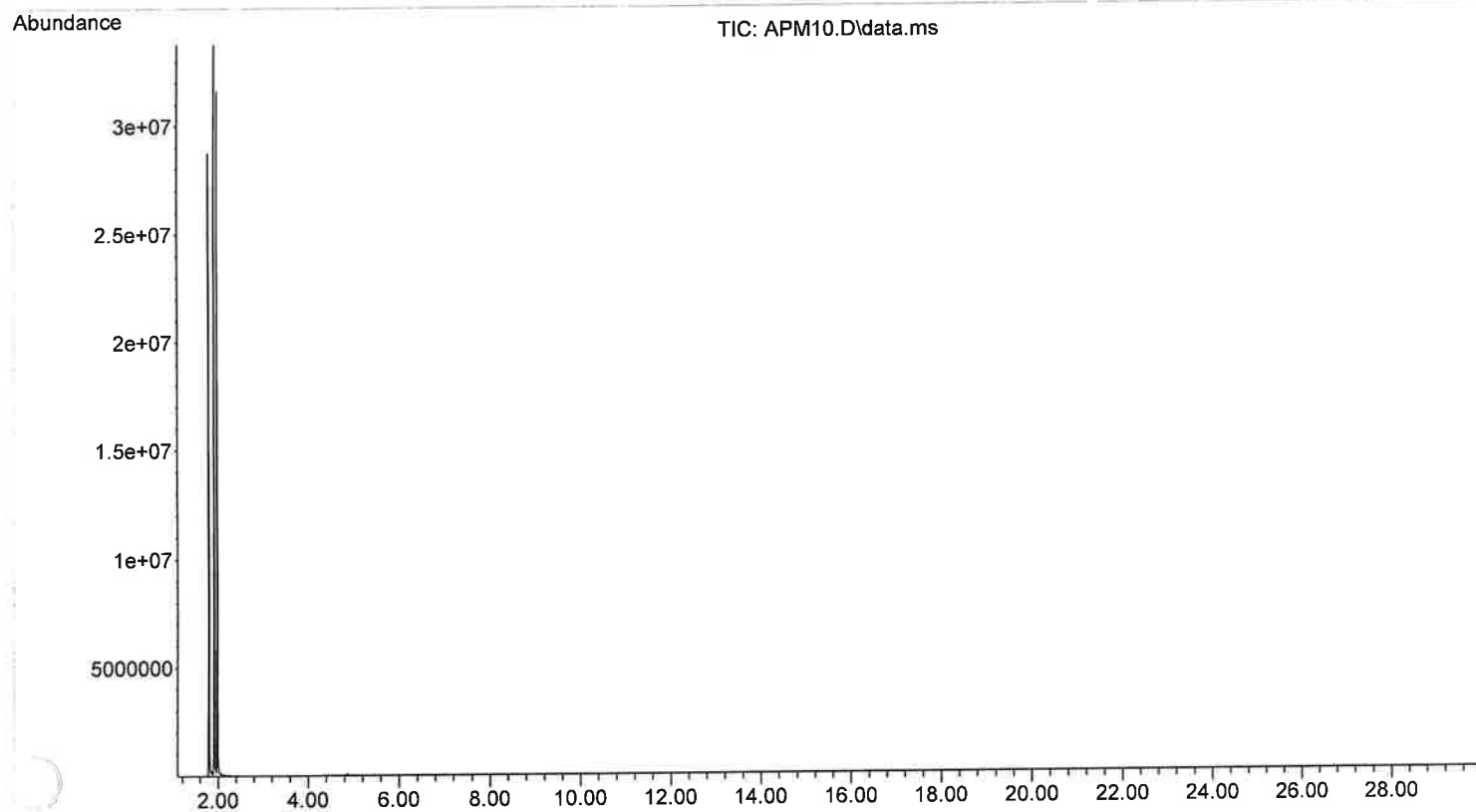
File :X:\2023\GJG\MSB30.D
Operator :
Acquired : 03 Mar 2023 10:32 using AcqMethod MSBRUGSTI.M
Instrument : Eggroll
Sample Name: MEOH B FOR GC/IR TEST SOLUTION
Misc Info : 100-280
Vial Number: 1



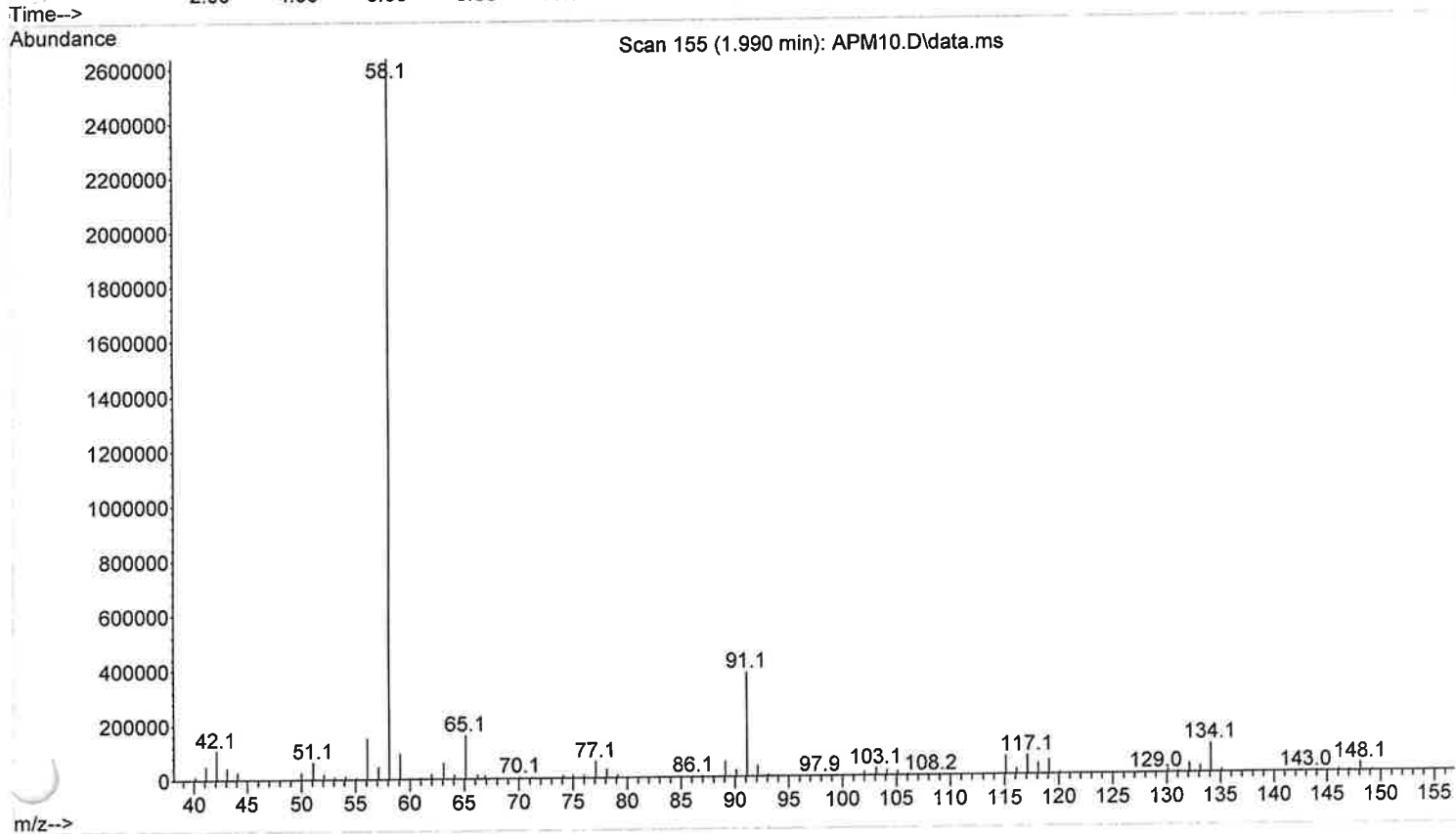
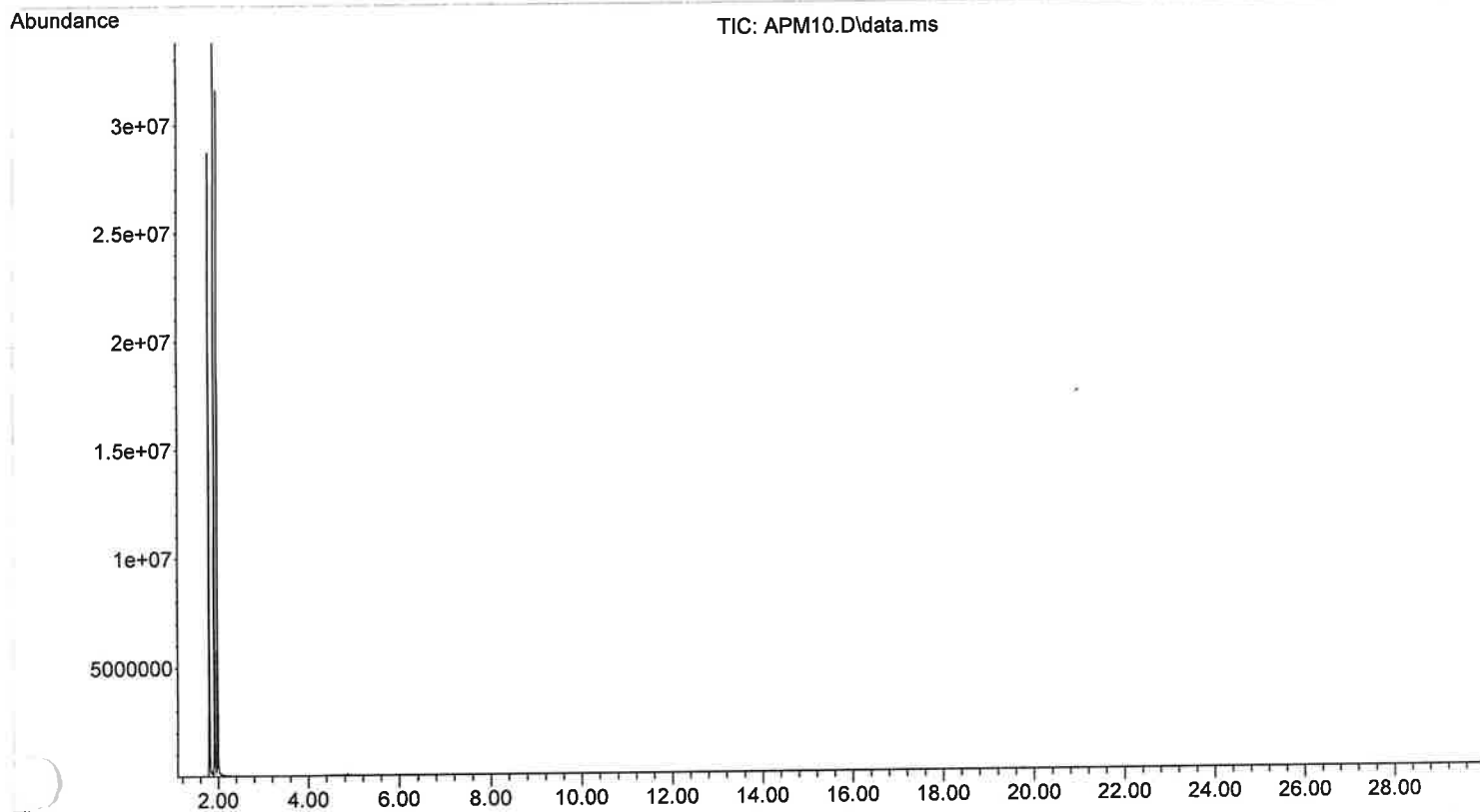
File :X:\2023\GJG\APM10.D
Operator :
Acquired : 03 Mar 2023 11:24 using AcqMethod MSDRUGSTI.M
Instrument : Eggroll
Sample Name: GC/IR TEST SOLUTION -- 100-280
Misc Info : AMPHETAMINE / PHENTERMINE / METHAMPHETAMINE
Vial Number: 1



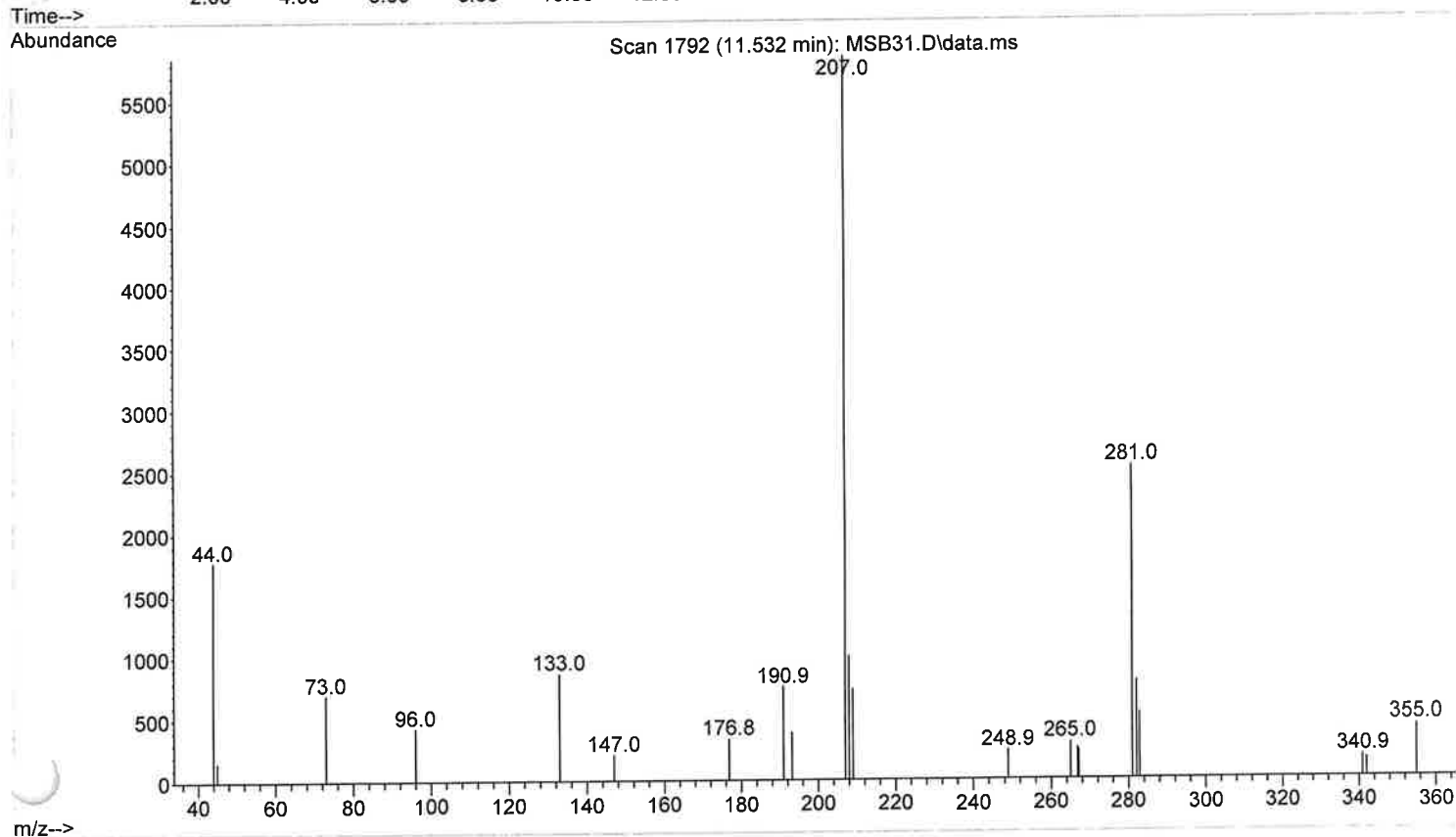
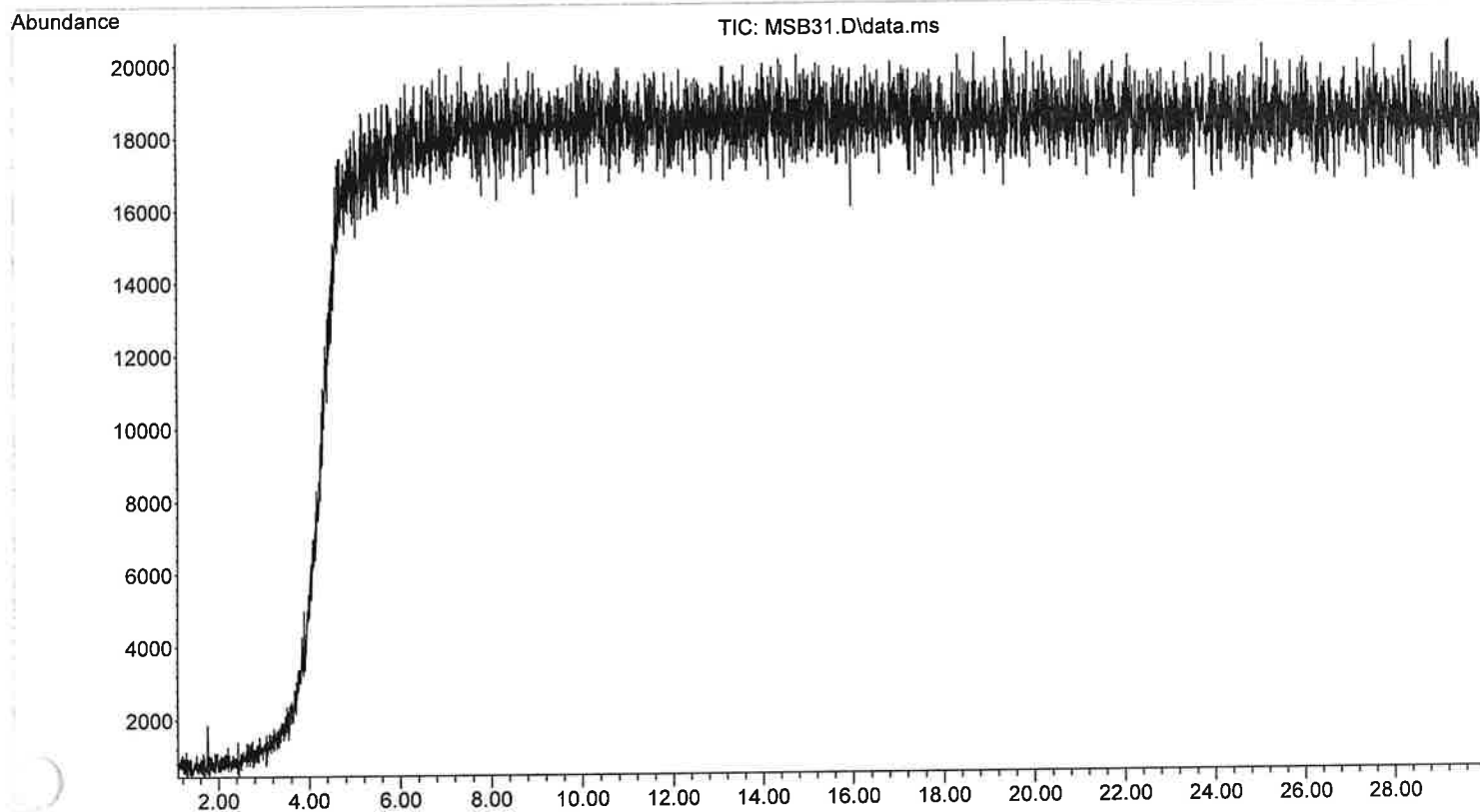
File :X:\2023\GJG\APM10.D
Operator :
Acquired : 03 Mar 2023 11:24 using AcqMethod MSDRUGSTI.M
Instrument : Eggroll
Sample Name: GC/IR TEST SOLUTION -- 100-280
Misc Info : AMPHETAMINE / PHENTERMINE / METHAMPHETAMINE
Vial Number: 1



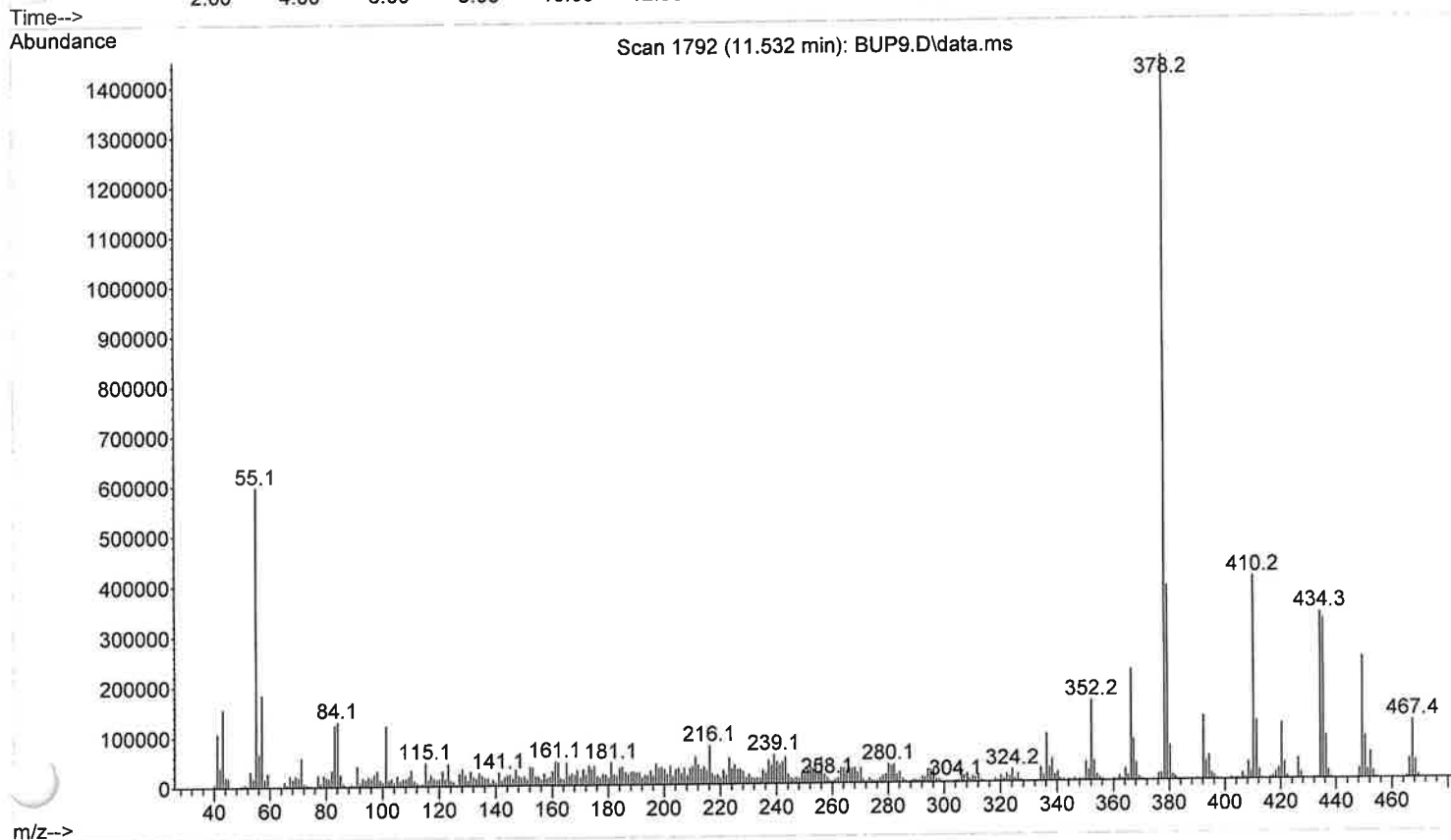
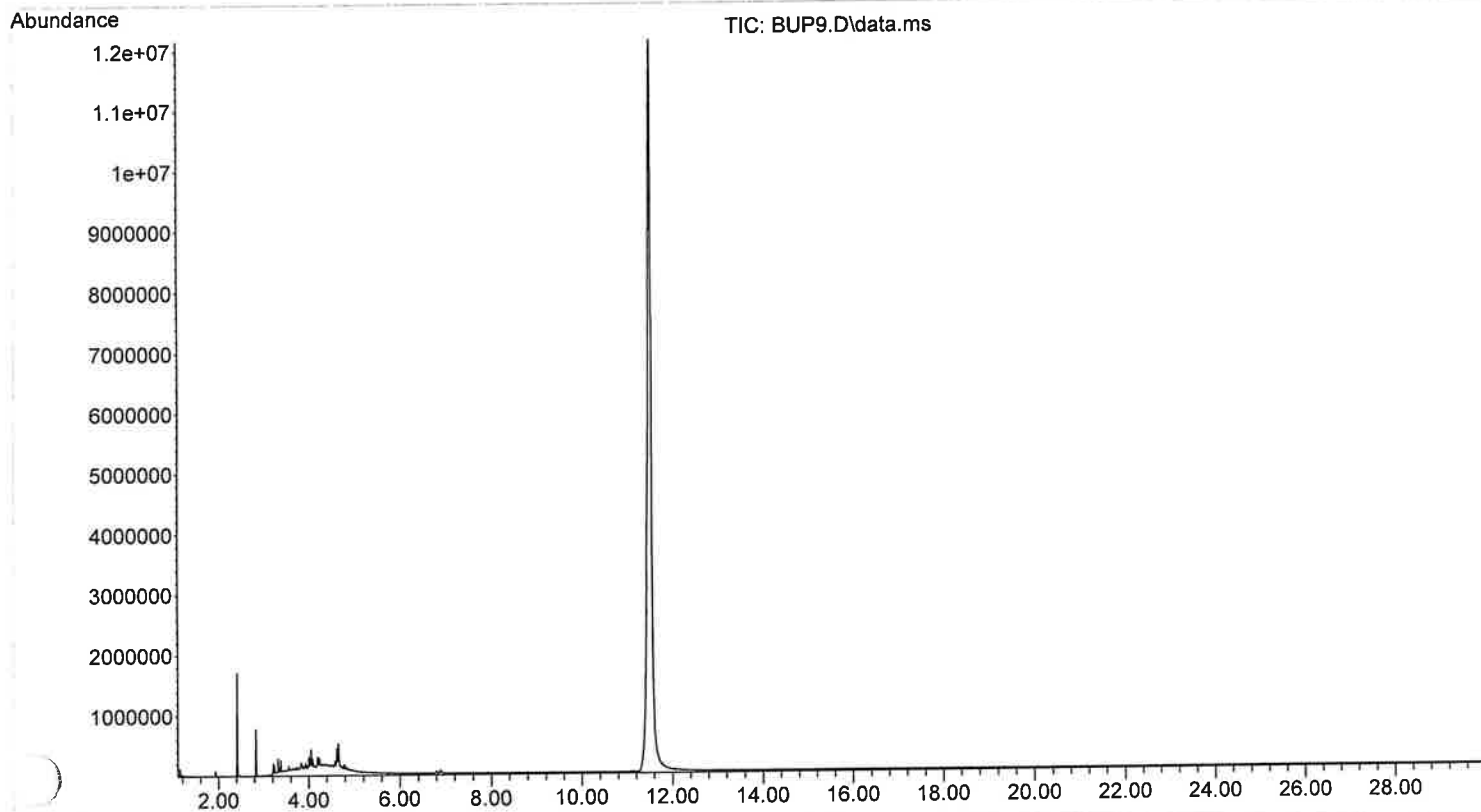
File :X:\2023\GJG\APM10.D
Operator :
Acquired : 03 Mar 2023 11:24 using AcqMethod MS DRUGSTI.M
Instrument : Eggroll
Sample Name: GC/IR TEST SOLUTION -- 100-280
Misc Info : AMPHETAMINE / PHENTERMINE / METHAMPHETAMINE
Vial Number: 1



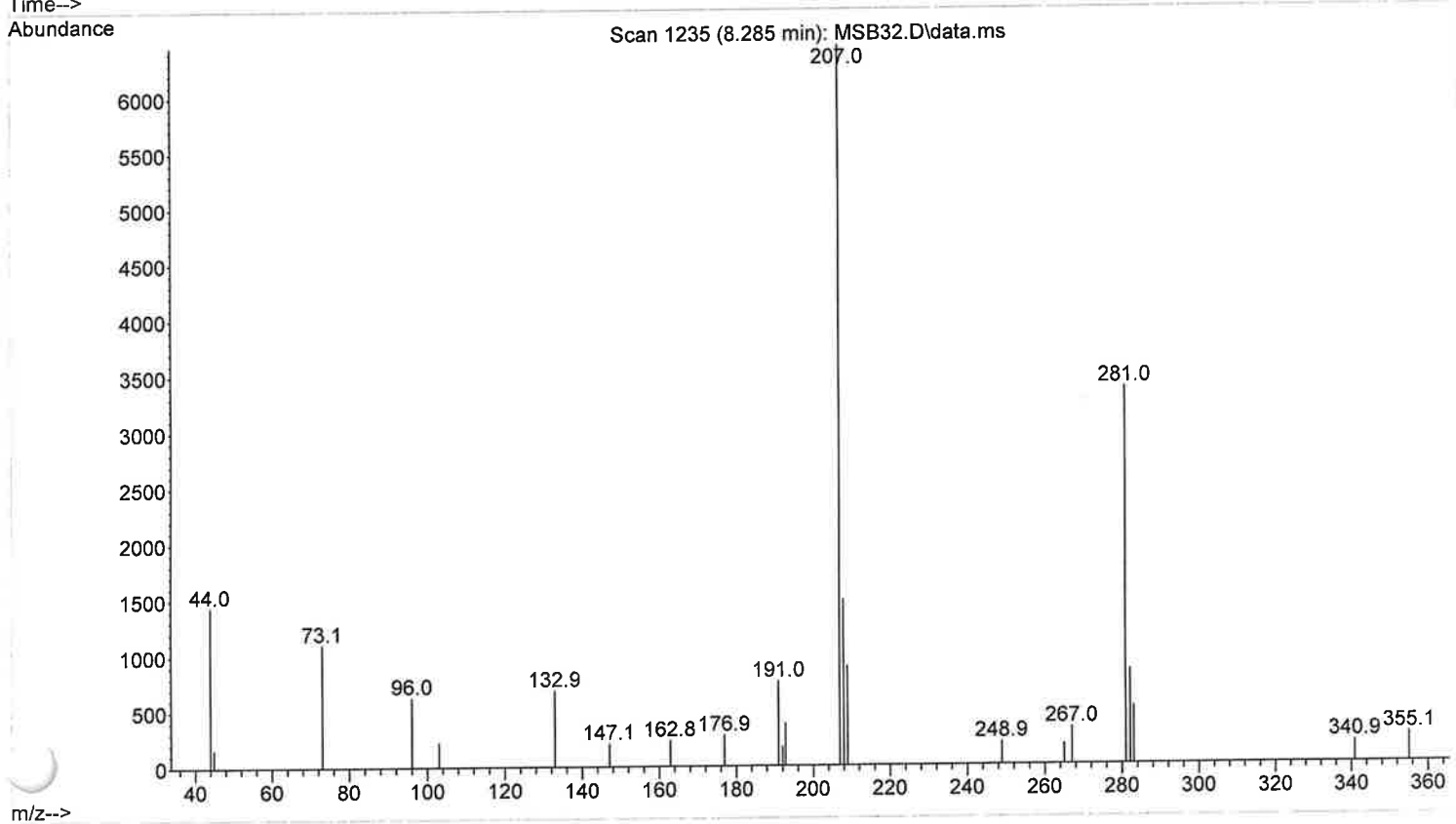
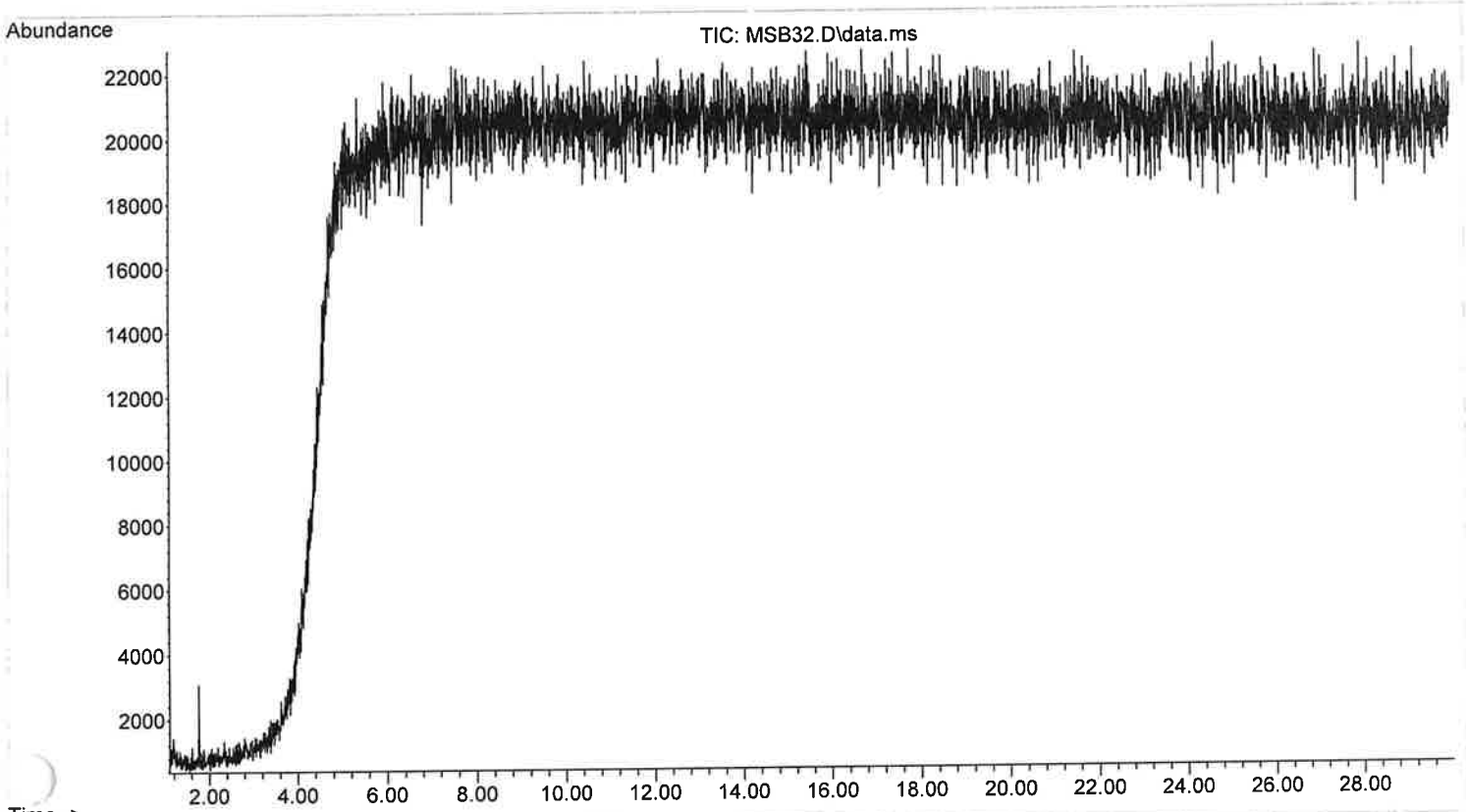
File :X:\2023\GJG\MSB31.D
Operator :
Acquired : 03 Mar 2023 12:00 using AcqMethod MSBRUGSTI.M
Instrument : Eggroll
Sample Name: MEOH B FOR BUPRENORPHINE STANDARD
Misc Info : 100-280
Vial Number: 1



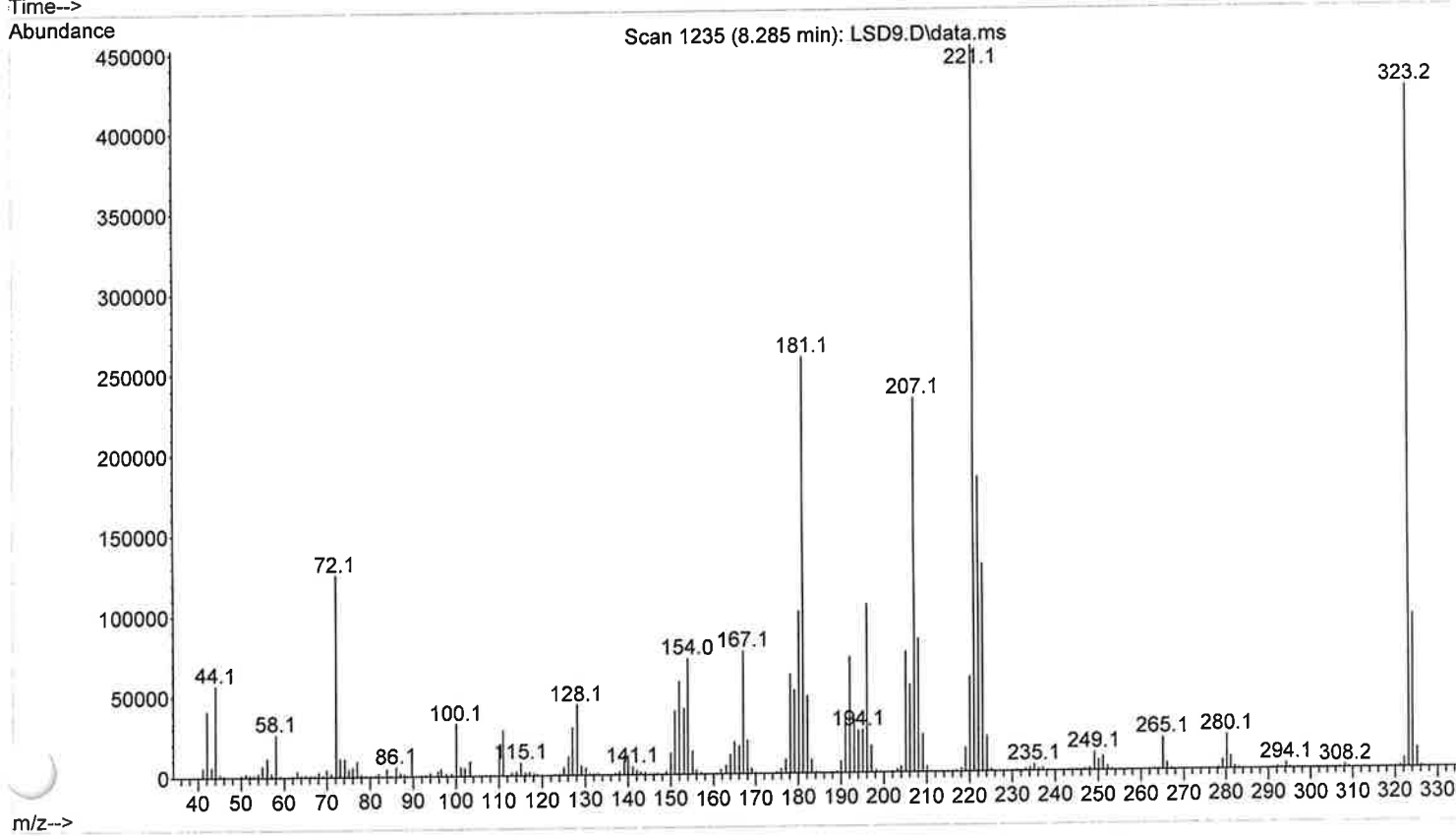
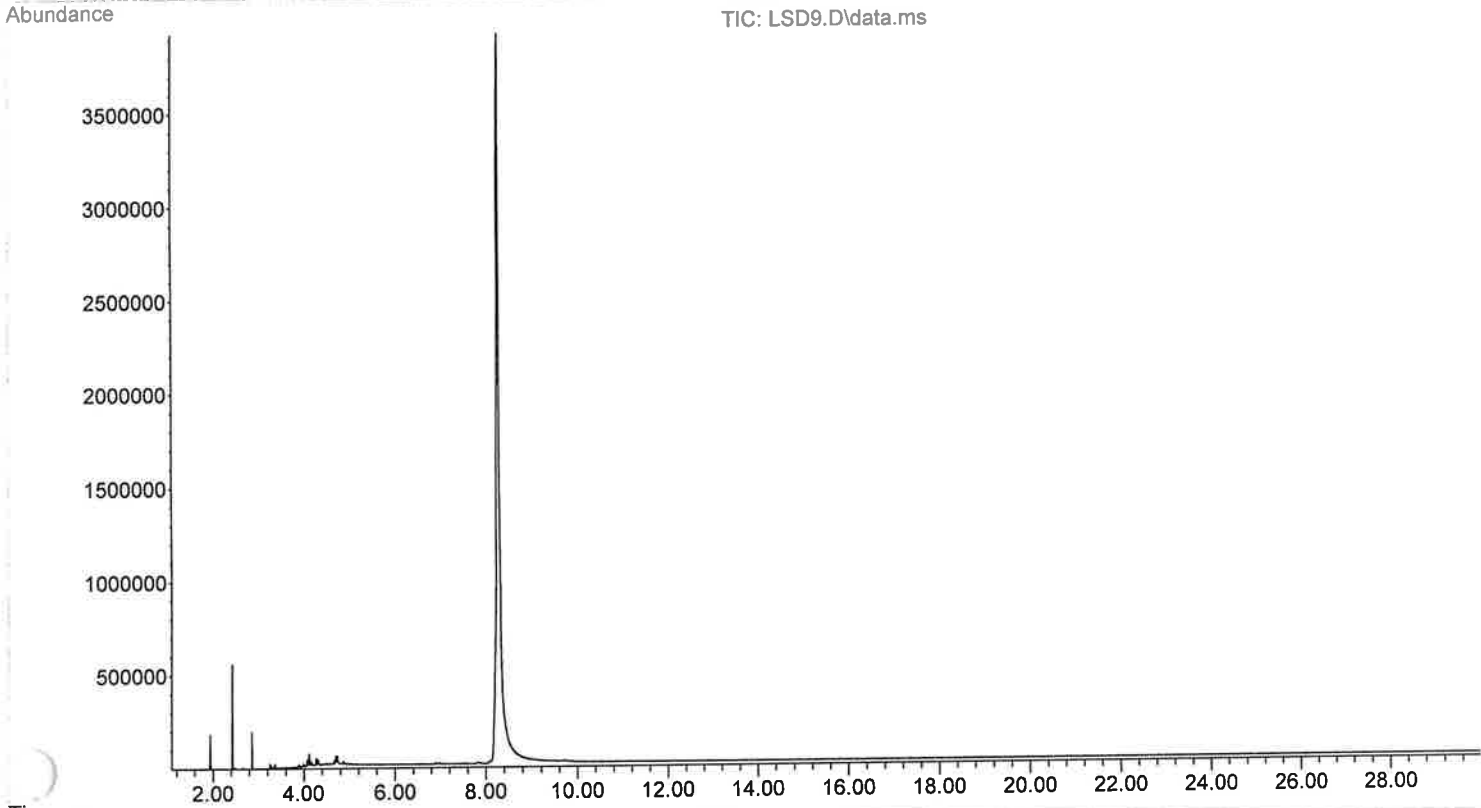
File :X:\2023\GJG\BUP9.D
Operator :
Acquired : 03 Mar 2023 12:36 using AcqMethod MSDRUGSTI.M
Instrument : Eggroll
Sample Name: BUPRENORPHINE STANDARD -- 100-280
Misc Info : Cerilliant Lot# FE03191903 Exp: June 2024
Vial Number: 1



File :X:\2023\GJG\MSB32.D
Operator :
Acquired : 03 Mar 2023 13:43 using AcqMethod MSDRUGSTI.M
Instrument : Eggroll
Sample Name: MEOH B FOR LSD STANDARD
Misc Info : 100-280
Vial Number: 1



File :X:\2023\GJG\LSD9.D
Operator :
Acquired : 03 Mar 2023 14:30 using AcqMethod MSDRUGSTI.M
Instrument : Eggroll
Sample Name: LSD STANDARD -- 100-280
Misc Info : Cerilliant Lot# FE10161901 Exp: October 2024
Vial Number: 1



METHOD CONTROL PARAMETERS

Method Information for: C:\MassHunter\GCMS\1\methods\MS280ISO.M

Method Sections To Run:

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

Method Comments:

This is a MS manual injection 280 isothermal / 20 minutes.

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	C:\MassHunter\GCMS\1\methods\MS280ISO.M
Tune file	atune.u
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
Acquisition Type	Scan
Stop time (min)	10.00
Solvent delay (min)	1.00
Trace Ion Detection	False
Gain Factor	1
EM Saver	False
EM Saver Limit	N/A

Scan Time Segments

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

Timed Events

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

Real-Time Plots

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

Self-Cleaning Ion Source Parameters

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

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

Fri Jan 13 14:51:48 2023

Control Information

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

No Sample Prep method has been assigned to this method.

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

Oven
Temperature
Setpoint On
(Initial) 280 °C
Hold Time 1 min
Post Run 100 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 19 min

Equilibration Time 0.5 min
Max Temperature 450 °C
Minimum Temperature Override Disabled
Low Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 3
Solvent A Volume 3 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 3
Solvent B Volume 3 µL
Sample Washes 1
Sample Wash Volume 2 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
Injection Type Standard
L1 Airgap 0.2 µL
Solvent Wash Mode A, B

Back Injector	
Syringe Size	10 µL
Injection Volume	1 µL
Solvent A Washes (PreInj)	2
Solvent A Washes (PostInj)	3
Solvent A Volume	3 µL
Solvent B Washes (PreInj)	2
Solvent B Washes (PostInj)	3
Solvent B Volume	3 µL
Sample Washes	2
Sample Wash Volume	1 µL
Sample Pumps	3
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Solvent Wash Mode	A, B
Sample Overlap	
Mode	Sample overlap is not enabled
ALS Errors	Pause for user interaction
Front SS Inlet He	
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Mode	Split
Heater	On 250 °C
Pressure	On 17.5 psi
Total Flow	On 44.958 mL/min
Septum Purge Flow	On 3 mL/min
Gas Saver	Off
Split Ratio	50 :1
Split Flow	41.136 mL/min
Liner	A Liner has not been selected.
Back SS Inlet He	
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Mode	Split
Heater	On 250 °C
Pressure	On 8.5 psi
Total Flow	On 74.698 mL/min
Septum Purge Flow	On 3 mL/min
Gas Saver	Off
Split Ratio	50 :1
Split Flow	70.292 mL/min
Liner	A Liner has not been selected.
Thermal Aux 2 (MSD Transfer Line)	
Temperature	
Setpoint	On
(Initial)	280 °C
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Column	
Column #1	

Flow	On
Setpoint	0.82271 mL/min
(Initial)	3.5062 mL/min
Post Run	
Column Information	19091S-602
HP-1MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm (Calibrated)
In	Front SS Inlet He
Out	MSD
(Initial)	280 °C
Pressure	17.5 psi
Flow	0.82271 mL/min
Average Velocity	55.81 cm/sec
Holdup Time	0.37329 min
Control Mode	Constant Flow
Column #2	
Pressure	On
Setpoint	8.5 psi
(Initial)	10 psi
Post Run	
Column Information	19091S-913
HP-1MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	15 m x 320 µm x 0.25 µm (Calibrated)
In	Back SS Inlet He
Out	Other
(Initial)	280 °C
Pressure	8.5 psi
Flow	1.4058 mL/min
Average Velocity	41.363 cm/sec
Holdup Time	0.6044 min
Control Mode	Constant Pressure
Column Outlet Pressure	0 psi
Front Detector FID	
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Makeup	He
Heater	On 300 °C
H2 Flow	Off
Air Flow	Off
Makeup Flow	Off
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	Off
Signals	
Signal #1: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	Off
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #2: Test Plot	
Description	Test Plot
Save	Off
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #3: Test Plot	

Description
Save
Data Rate
Dual Injection Assignment

Test Plot
Off
50 Hz
Back Sample

Signal #4: Test Plot
Description
Save
Data Rate
Dual Injection Assignment

Test Plot
Off
50 Hz
Back Sample

TUNE PARAMETERS for SN: US61633037

Trace Ion Detection is OFF.

34.610 : EMISSION
70.347 : ENERGY
34.961 : REPELLER
83.514 : IONFOCUS
28.500 : ENTRANCE_LENS
1470.588 : EMVOLTS

1470.588 : Actual EMV
0.28 : GAIN FACTOR

2128.000 : AMUGAIN
120.250 : AMUOFFSET
1.000 : FILAMENT
0.000 : DCPOLARITY
16.565 : ENTLNISOFFSET
-575.000 : MASSGAIN
-35.000 : MASSOFFSET

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

Method Path : C:\MassHunter\GCMS\1\methods\

Method File : MS280ISO.M

Title :

Update :

Response Via : Initial Calibration

Total Cpnds : 0

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

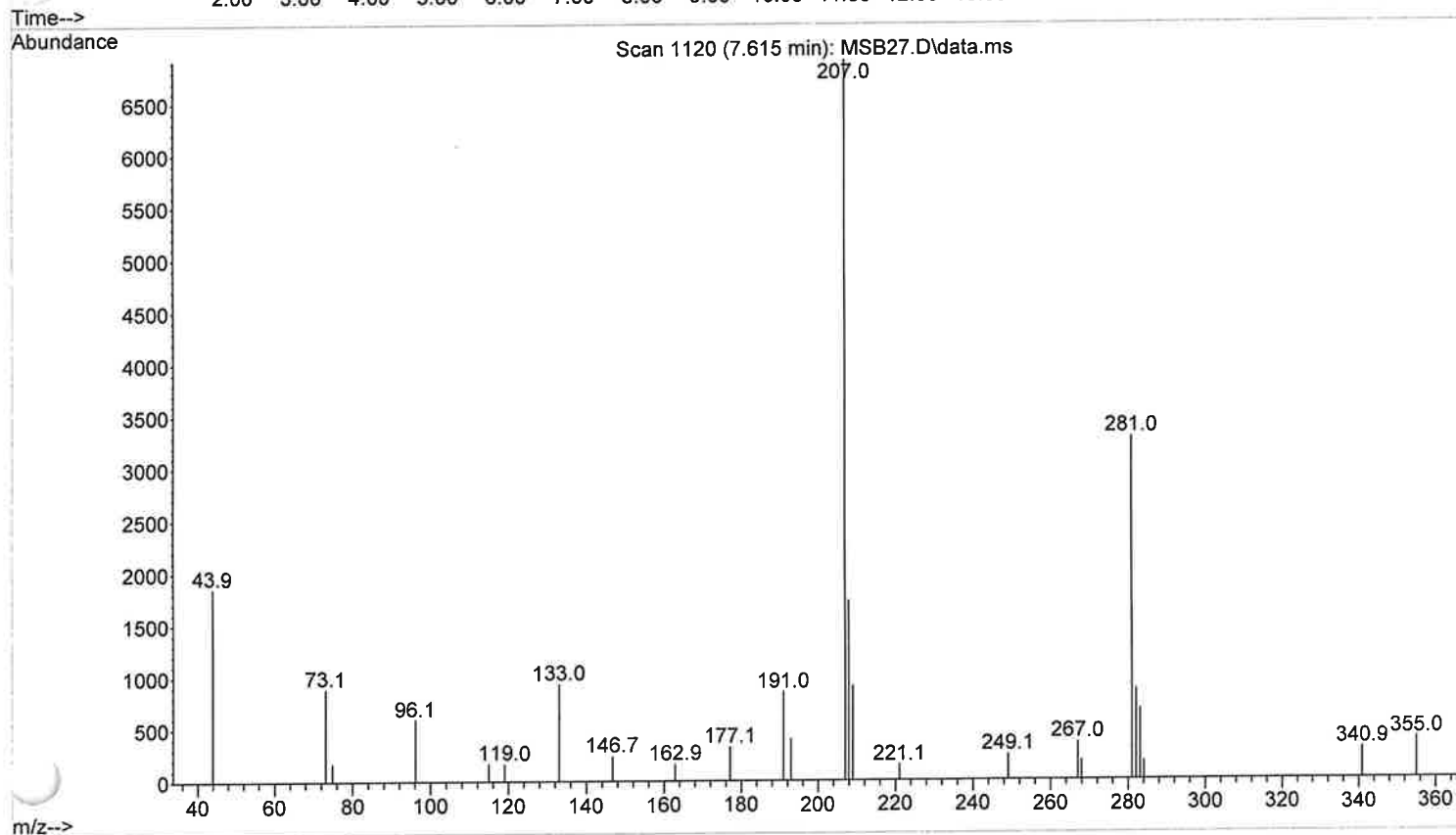
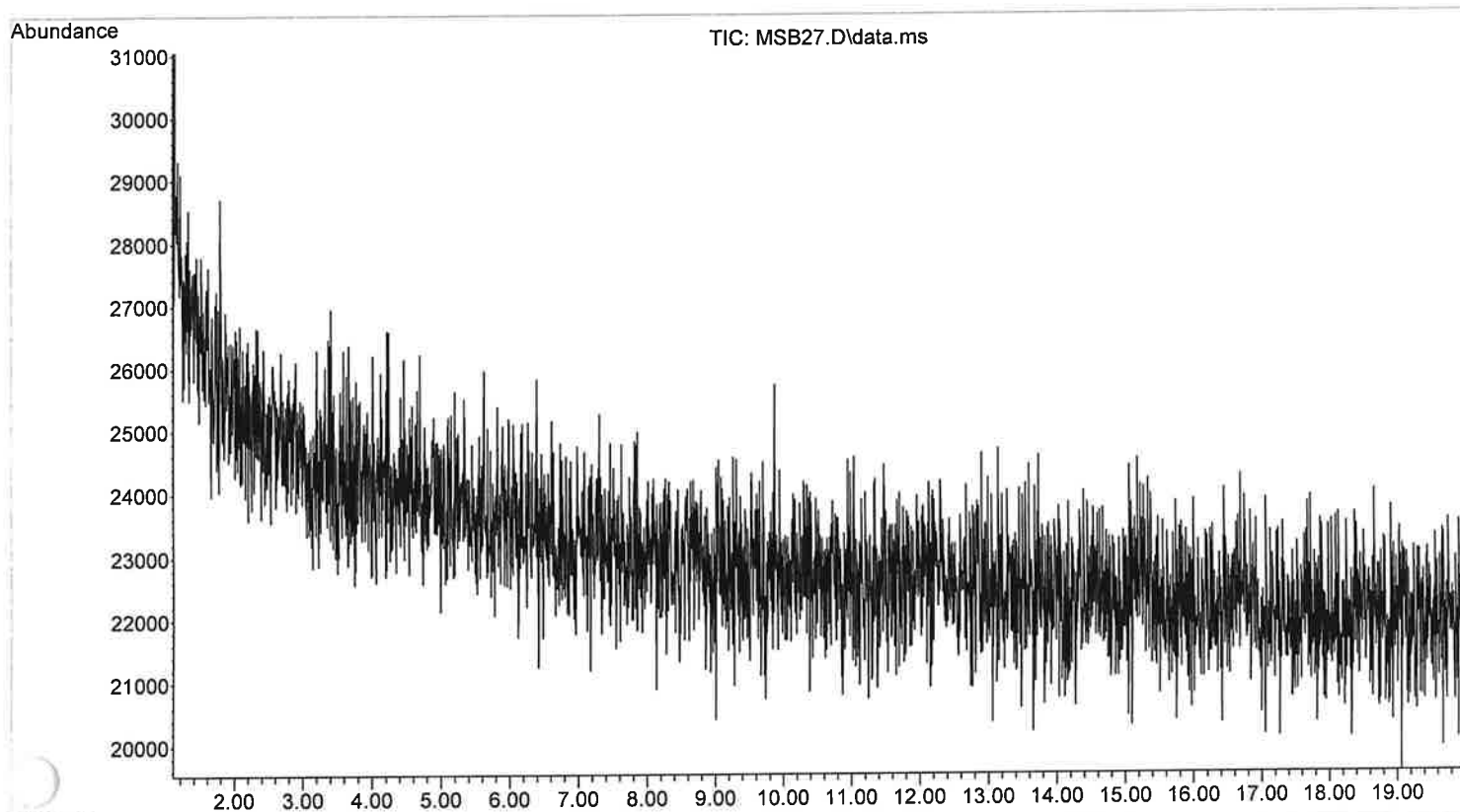
Cal A = Average L = Linear LO = Linear w/origin Q = Quad Q0 = Quad w/origin

#Qual = number of qualifiers

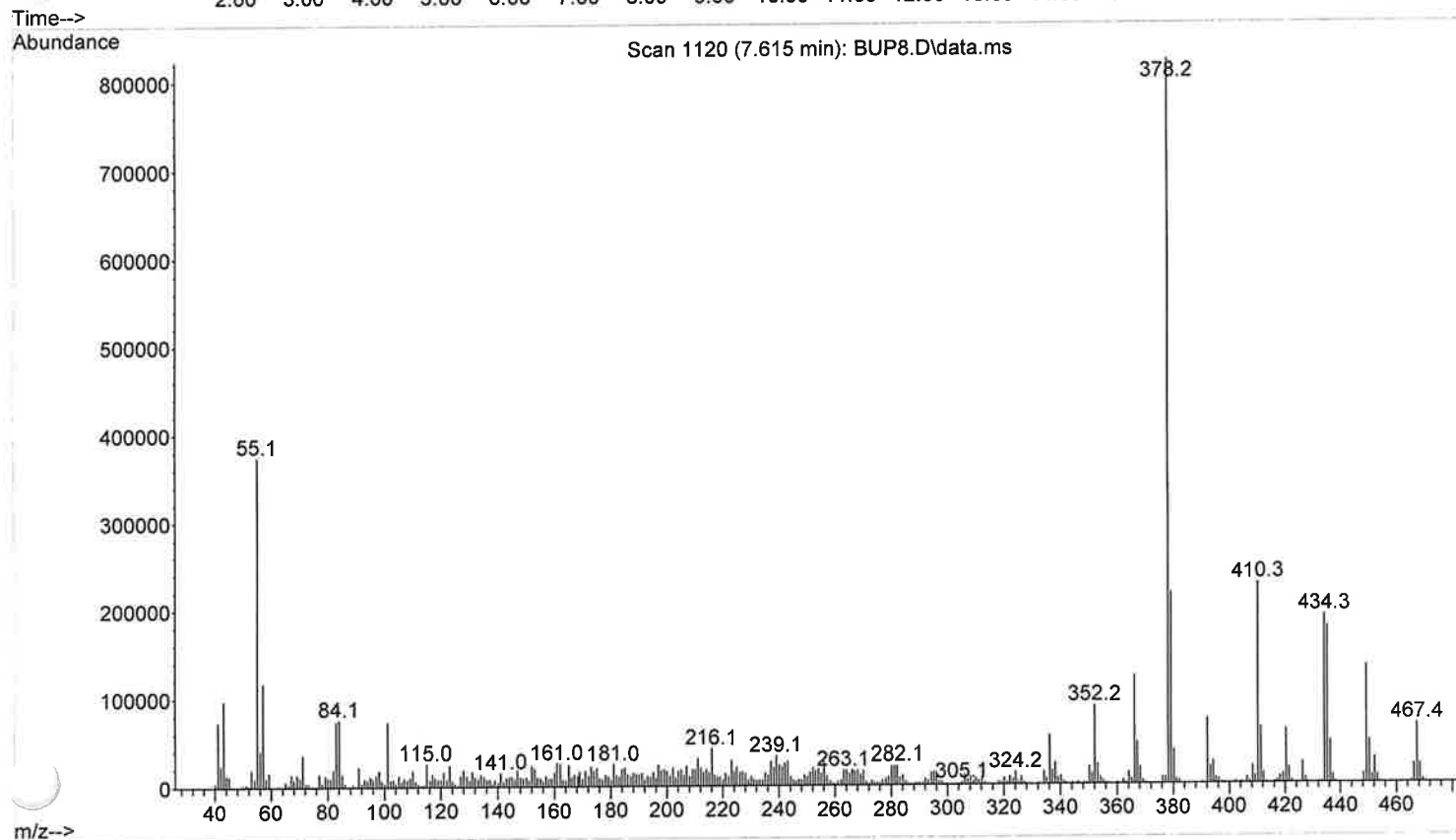
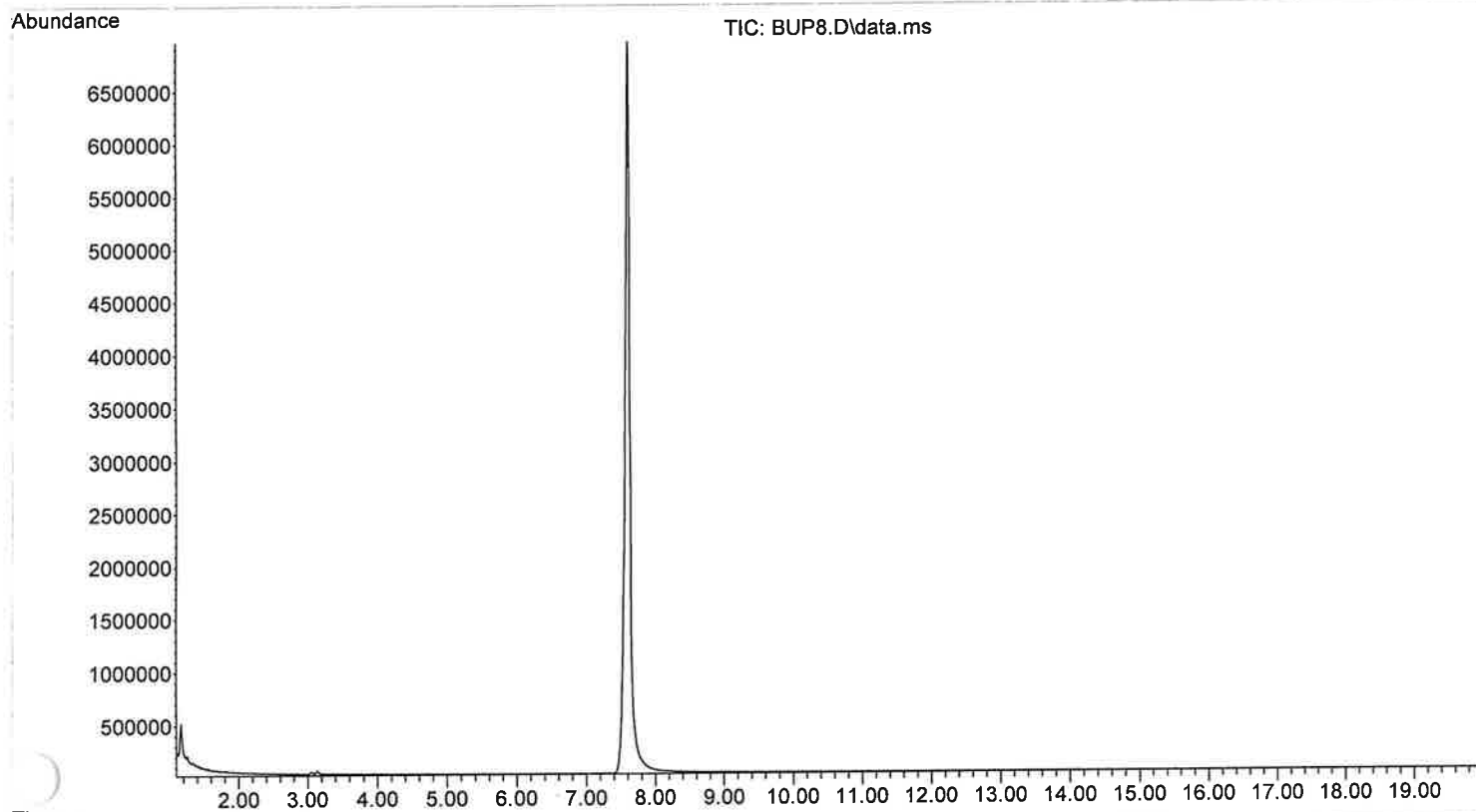
A/H = Area or Height

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

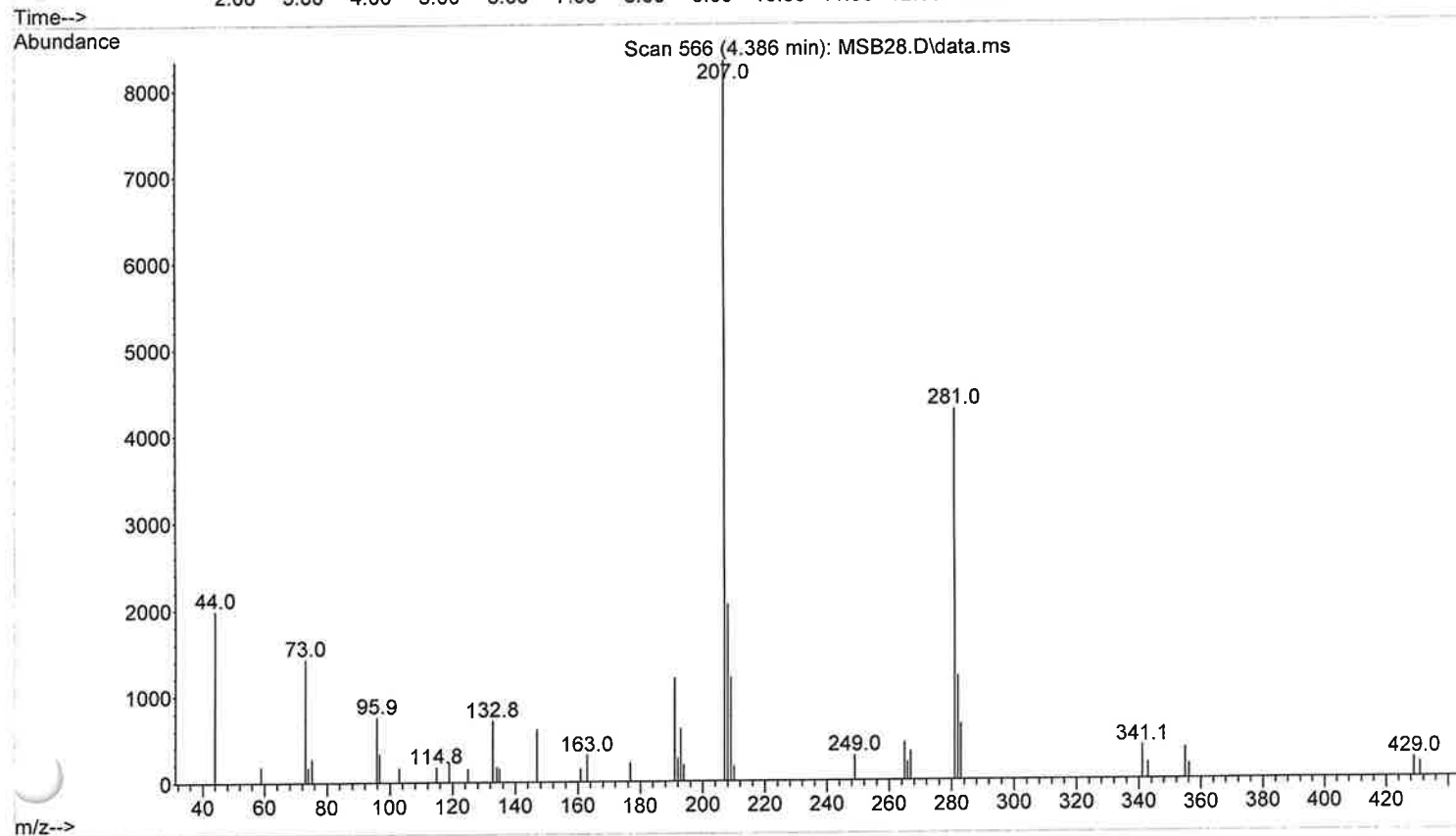
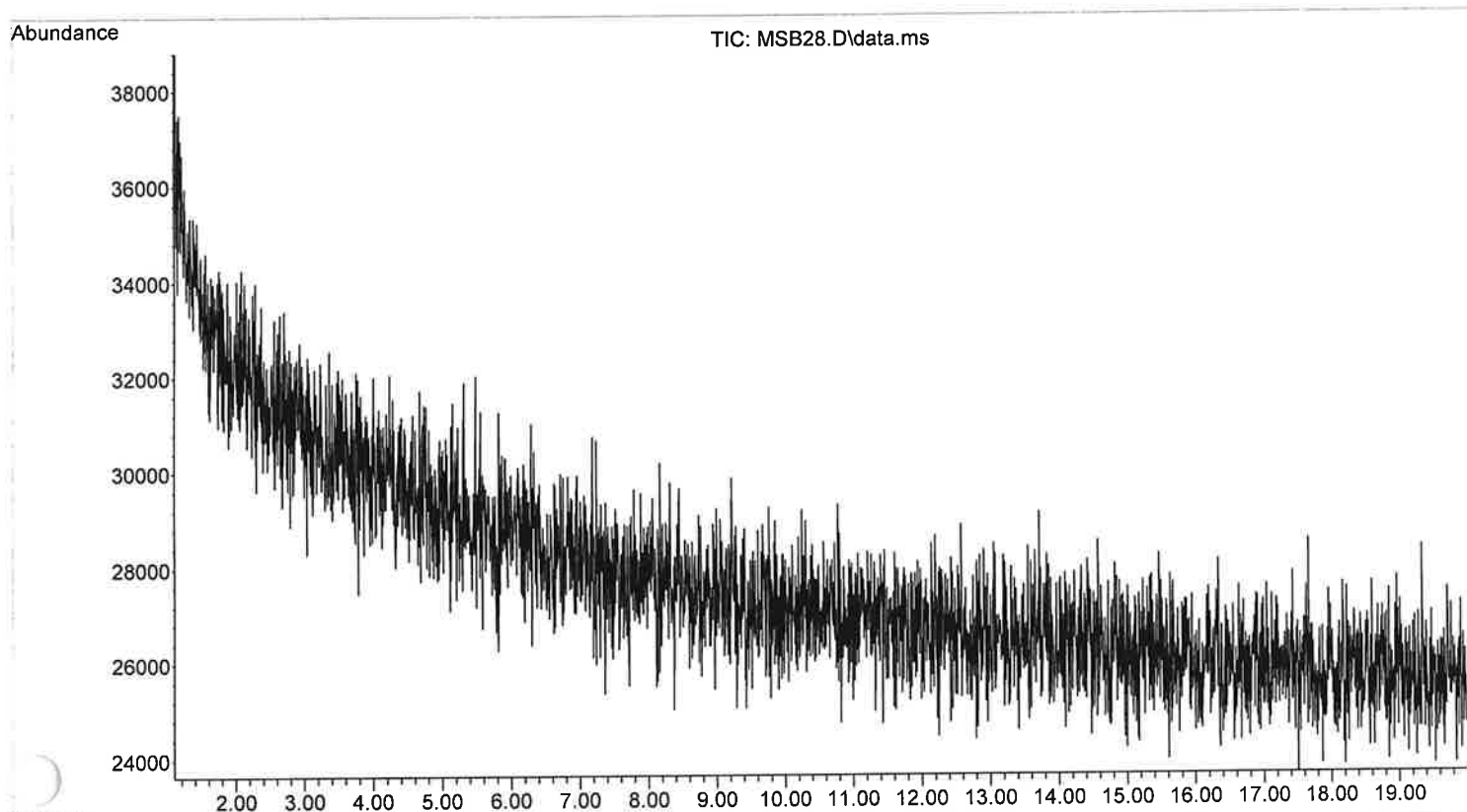
File :X:\2023\GJG\MSB27.D
Operator :
Acquired : 27 Feb 2023 14:16 using AcqMethod MS280ISO.M
Instrument : Eggroll
Sample Name: MEOH B FOR BUPRENORPHINE STANDARD
Misc Info : 280 ISOTHERMAL
Vial Number: 1



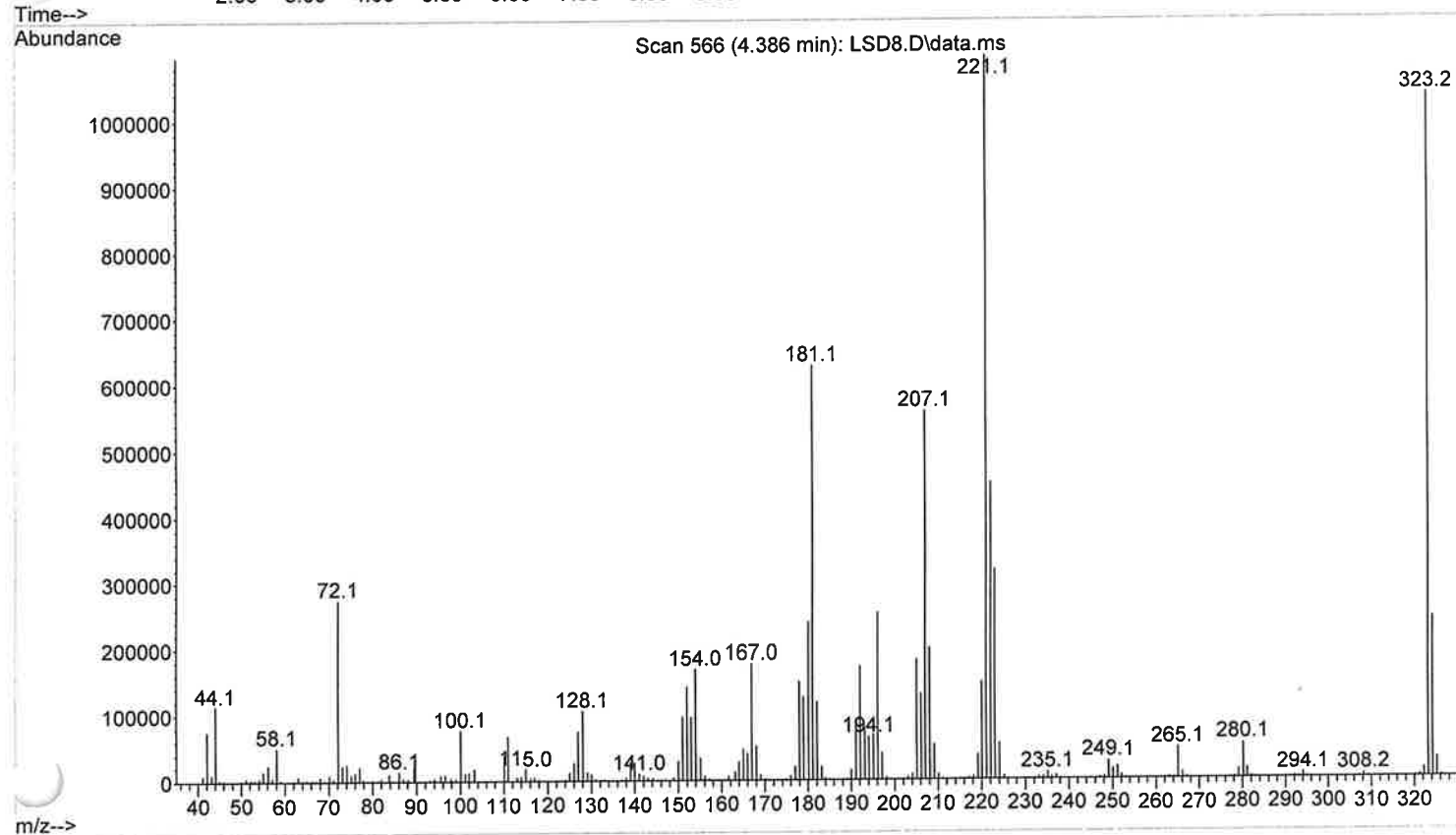
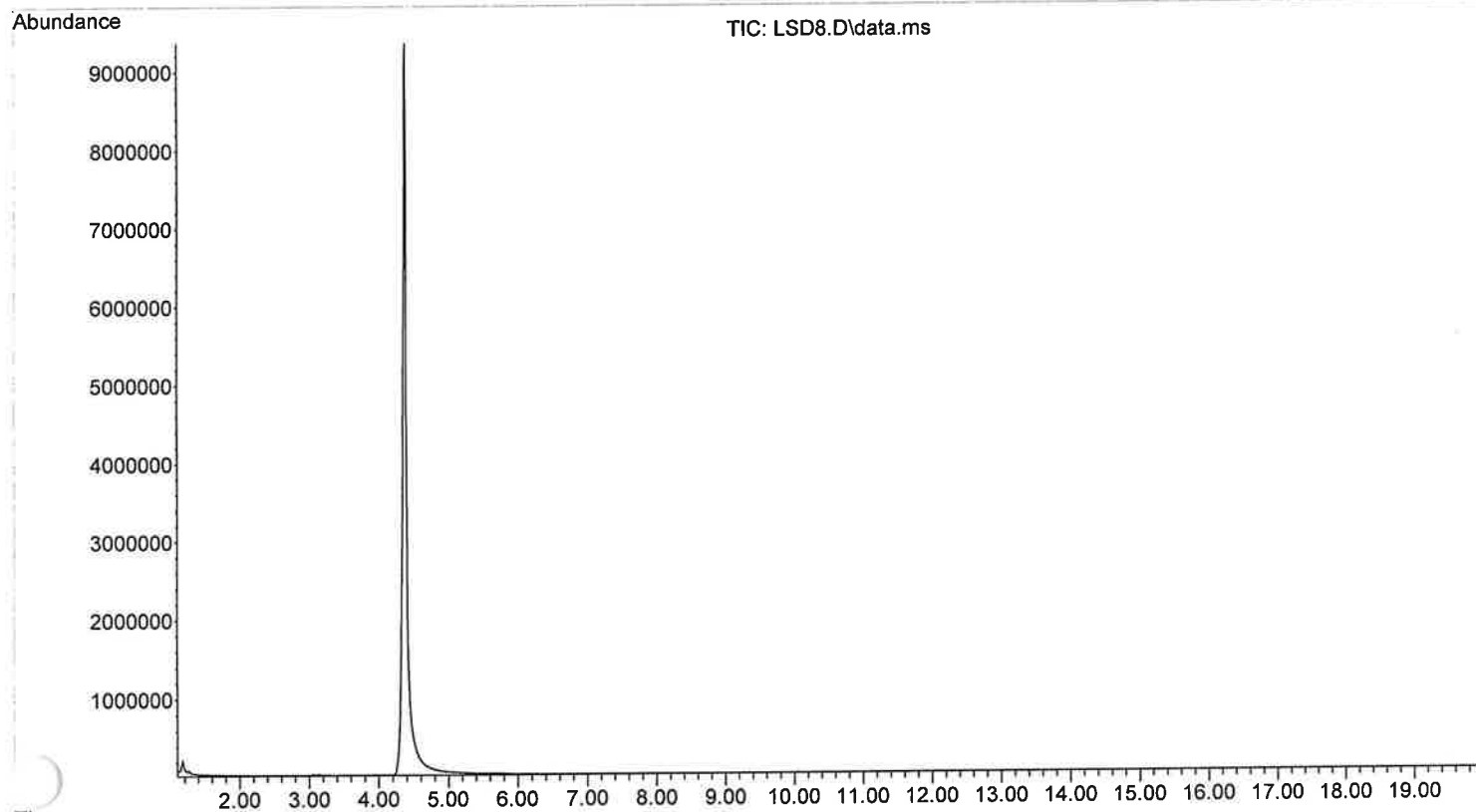
File :X:\2023\GJG\BUP8.D
Operator :
Acquired : 27 Feb 2023 15:16 using AcqMethod MS280ISO.M
Instrument : Eggroll
Sample Name: BUPRENORPHINE STANDARD -- 280 ISOTHERMAL
Misc Info : Cerilliant Lot# FE03191903 Exp: June 2024
Vial Number: 1



File :X:\2023\GJG\MSB28.D
Operator :
Acquired : 27 Feb 2023 15:40 using AcqMethod MS280ISO.M
Instrument : Eggroll
Sample Name: MEOH B FOR LSD STANDARD
Misc Info : 280 ISOTHERMAL
Vial Number: 1



File :X:\2023\GJG\LSD8.D
Operator :
Acquired : 27 Feb 2023 17:00 using AcqMethod MS280ISO.M
Instrument : Eggroll
Sample Name: LSD STANDARD -- 280 ISOTHERMAL
Misc Info : Cerilliant Lot# FE10161901 Exp: October 2024
Vial Number: 1



METHOD CONTROL PARAMETERS

Method Information for: C:\MassHunter\GCMS\1\methods\MS100TR.M

Method Sections To Run:

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

Method Comments:

This is a MS manual injection methodt 100-280 / 6 minutes.

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	C:\MassHunter\GCMS\1\methods\MS100TR.M
Tune file	atune.u
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
Acquisition Type	Scan
Stop time (min)	10.00
Solvent delay (min)	1.00
Trace Ion Detection	False
Gain Factor	1
EM Saver	False
EM Saver Limit	N/A

Scan Time Segments

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

Timed Events

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

Real-Time Plots

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

Self-Cleaning Ion Source Parameters

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

C:\MassHunter\GCMS\1\methods\MS100TR.M
Mon Jan 09 15:10:59 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 100 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 2.43 min

Equilibration Time 0.5 min
Max Temperature 450 °C
Maximum Temperature Override Disabled
S W Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 3
Solvent A Volume 8 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 3
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
Injection Type Standard
L1 Airgap 0.2 µL
Solvent Wash Mode A, B

Back Injector	
Syringe Size	10 µL
Injection Volume	1 µL
Solvent A Washes (PreInj)	2
Solvent A Washes (PostInj)	3
Solvent A Volume	3 µL
Solvent B Washes (PreInj)	2
Solvent B Washes (PostInj)	3
Solvent B Volume	3 µL
Sample Washes	2
Sample Wash Volume	1 µL
Sample Pumps	3
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Solvent Wash Mode	A, B
Sample Overlap	
Mode	Sample overlap is not enabled
ALS Errors	Pause for user interaction
Front SS Inlet He	
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Mode	Split
Heater	On 250 °C
Pressure	On 8.5 psi
Total Flow	On 45.194 mL/min
Septum Purge Flow	On 3 mL/min
Gas Saver	Off
Split Ratio	50 :1
Split Flow	41.367 mL/min
Liner	A Liner has not been selected.
Back SS Inlet He	
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Mode	Split
Heater	On 250 °C
Pressure	On 8.5 psi
Total Flow	On 141.9 mL/min
Septum Purge Flow	On 3 mL/min
Gas Saver	Off
Split Ratio	50 :1
Split Flow	136.18 mL/min
Liner	A Liner has not been selected.
Thermal Aux 2 (MSD Transfer Line)	
Temperature	
Setpoint	On
(Initial)	280 °C
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Column	
Column #1	

Flow	On
Setpoint	0.82733 mL/min
(Initial)	3.5062 mL/min
Post Run	
Column Information	19091S-602
MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm (Calibrated)
In	Front SS Inlet He
Out	MSD
(Initial)	100 °C
Pressure	8.5 psi
Flow	0.82733 mL/min
Average Velocity	52.55 cm/sec
Holdup Time	0.39644 min
Control Mode	Constant Flow
Column #2	
Pressure	On
Setpoint	8.5 psi
(Initial)	10 psi
Post Run	
Column Information	19091S-913
HP-1MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	15 m x 320 µm x 0.25 µm (Calibrated)
In	Back SS Inlet He
Out	Other
(Initial)	100 °C
Pressure	8.5 psi
Flow	2.7236 mL/min
Average Velocity	54.059 cm/sec
Holdup Time	0.46246 min
Control Mode	Constant Pressure
Column Outlet Pressure	0 psi
Front Detector FID	
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Makeup	He
Heater	On 300 °C
H2 Flow	Off
Air Flow	Off
Makeup Flow	Off
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	Off
Signals	
Signal #1: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	Off
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #2: Test Plot	
Description	Test Plot
Save	Off
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #3: Test Plot	

Description
Save
Data Rate
Dual Injection Assignment

Test Plot
Off
50 Hz
Back Sample

Signal #4: Test Plot
Description
Scale
Data Rate
Dual Injection Assignment

Test Plot
Off
50 Hz
Back Sample

TUNE PARAMETERS for SN: US61633037

Trace Ion Detection is OFF.

34.610 : EMISSION
70.347 : ENERGY
34.961 : REPELLER
88.259 : IONFOCUS
25.500 : ENTRANCE LENS
1435.294 : EMVOLTS

1635.294 : Actual EMV
1.02 : GAIN FACTOR

2126.000 : AMUGAIN
120.563 : AMUOFFSET
1.000 : FILAMENT
0.000 : DCPOLARITY
18.824 : ENTLENSOFFSET
-575.000 : MASSGAIN
-34.000 : MASSOFFSET

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

Method Path : C:\MassHunter\GCMS\1\methods\

Method File : MS100TR.M

Title :

Update :

Response Via : Initial Calibration

Total Cpnds : 0

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

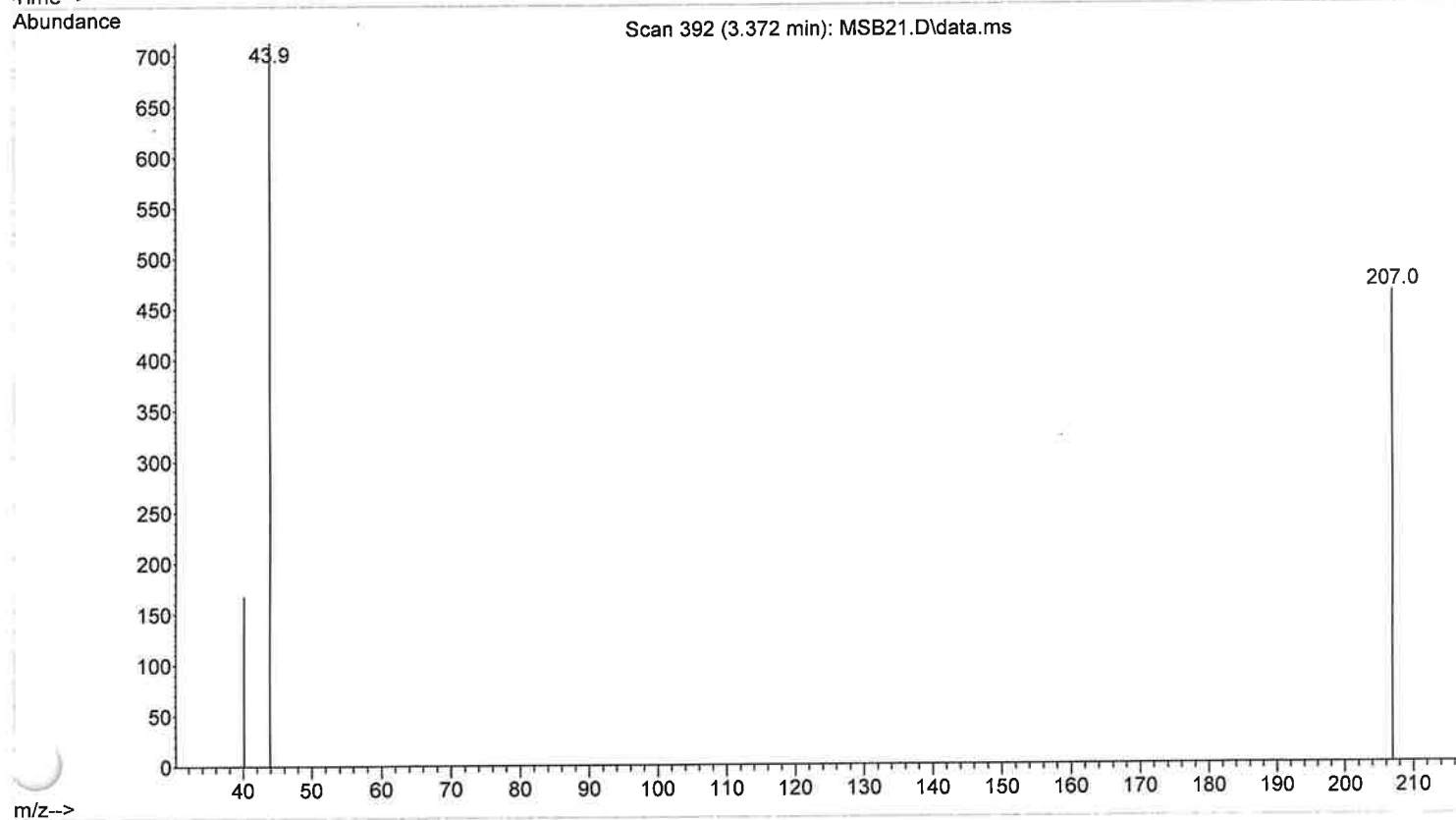
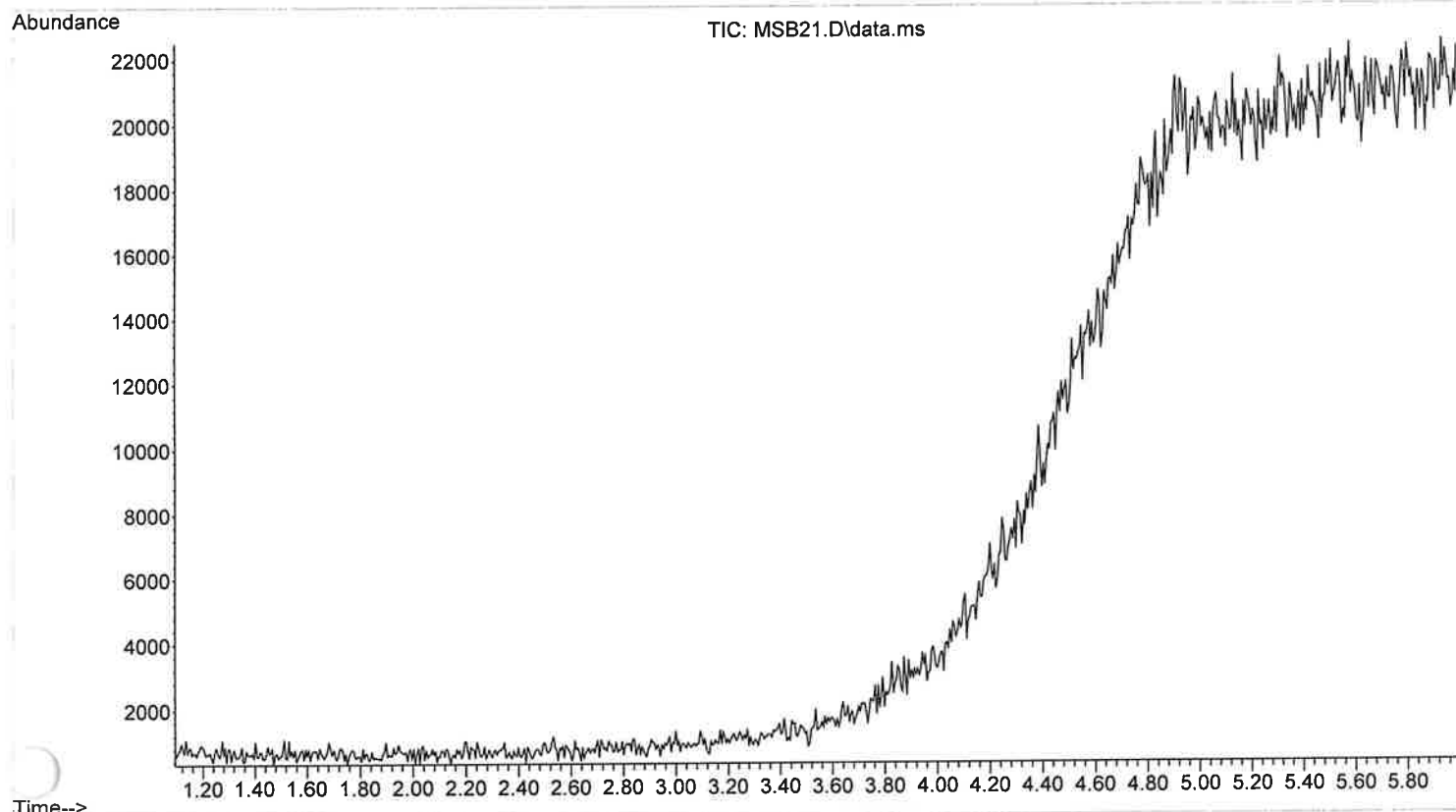
Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin

#Qual = number of qualifiers

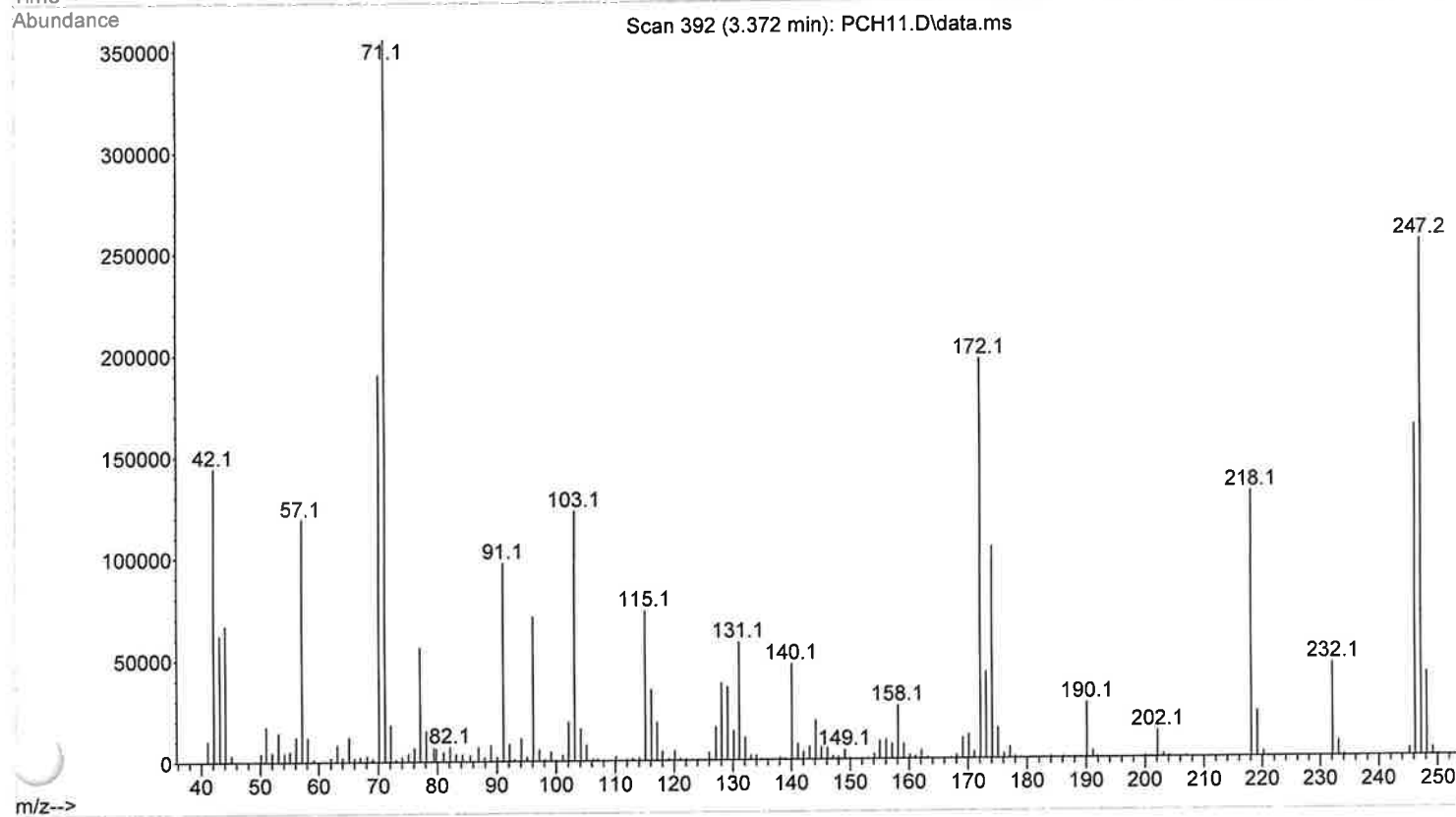
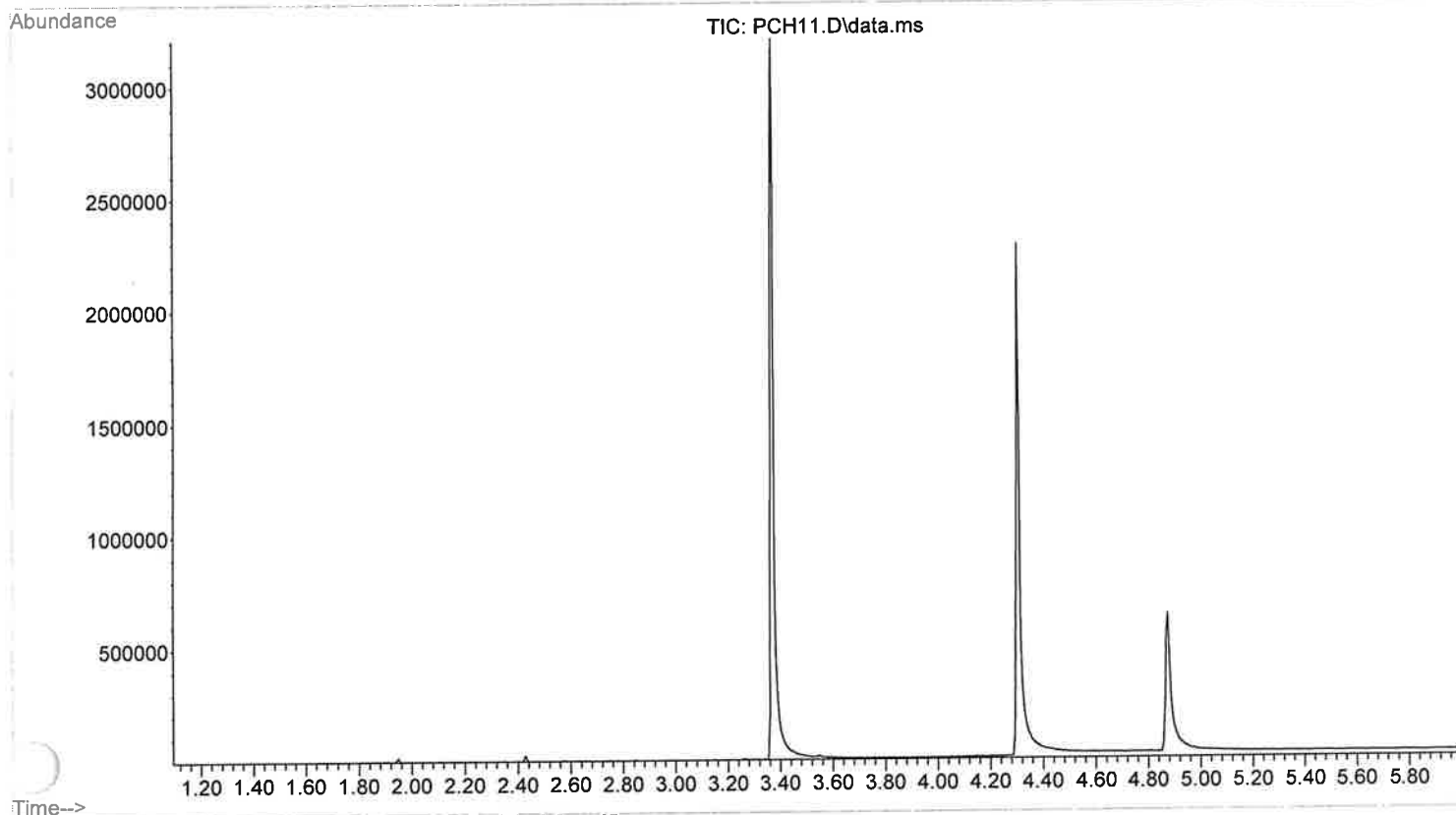
A/H = Area or Height

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

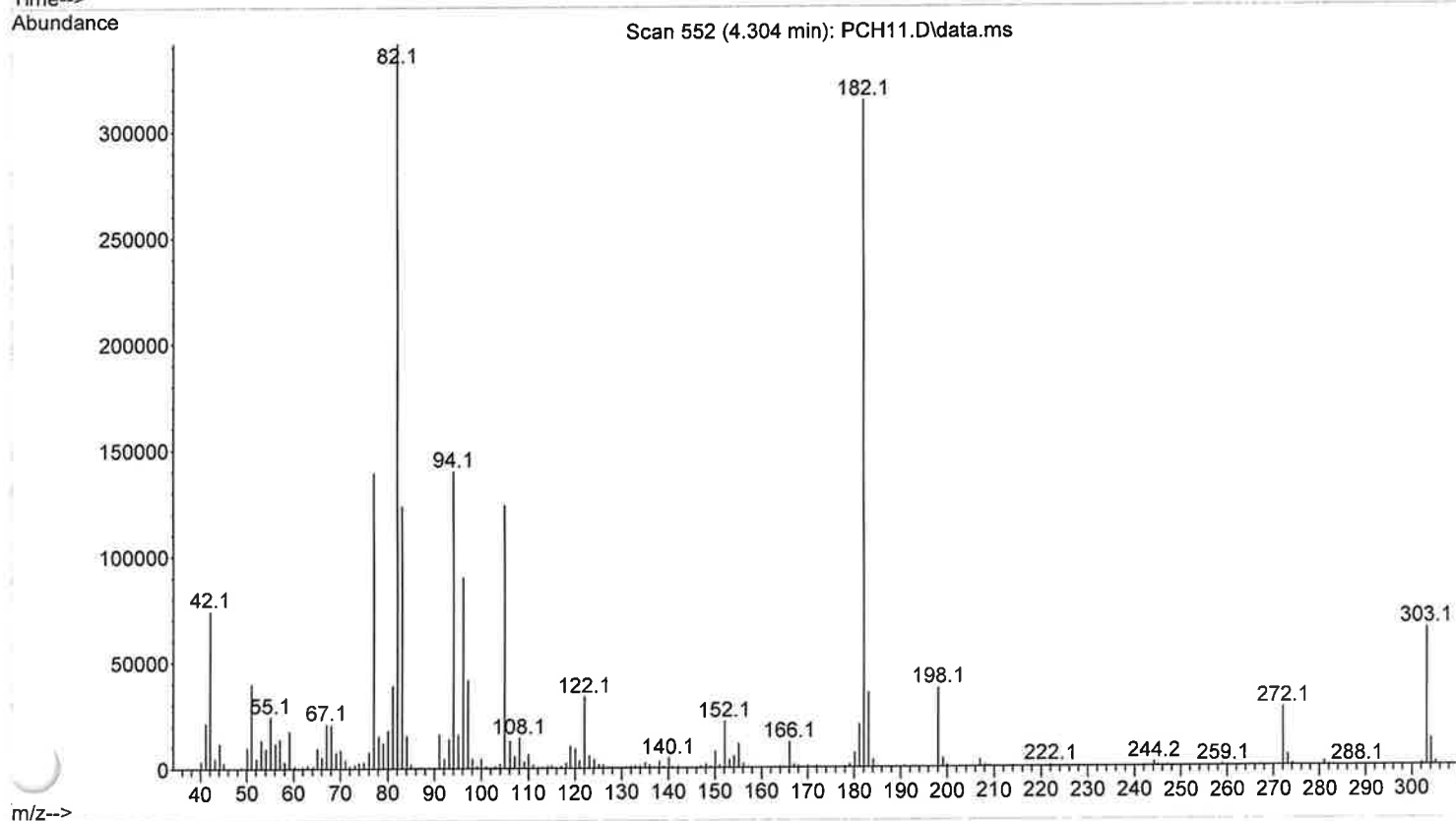
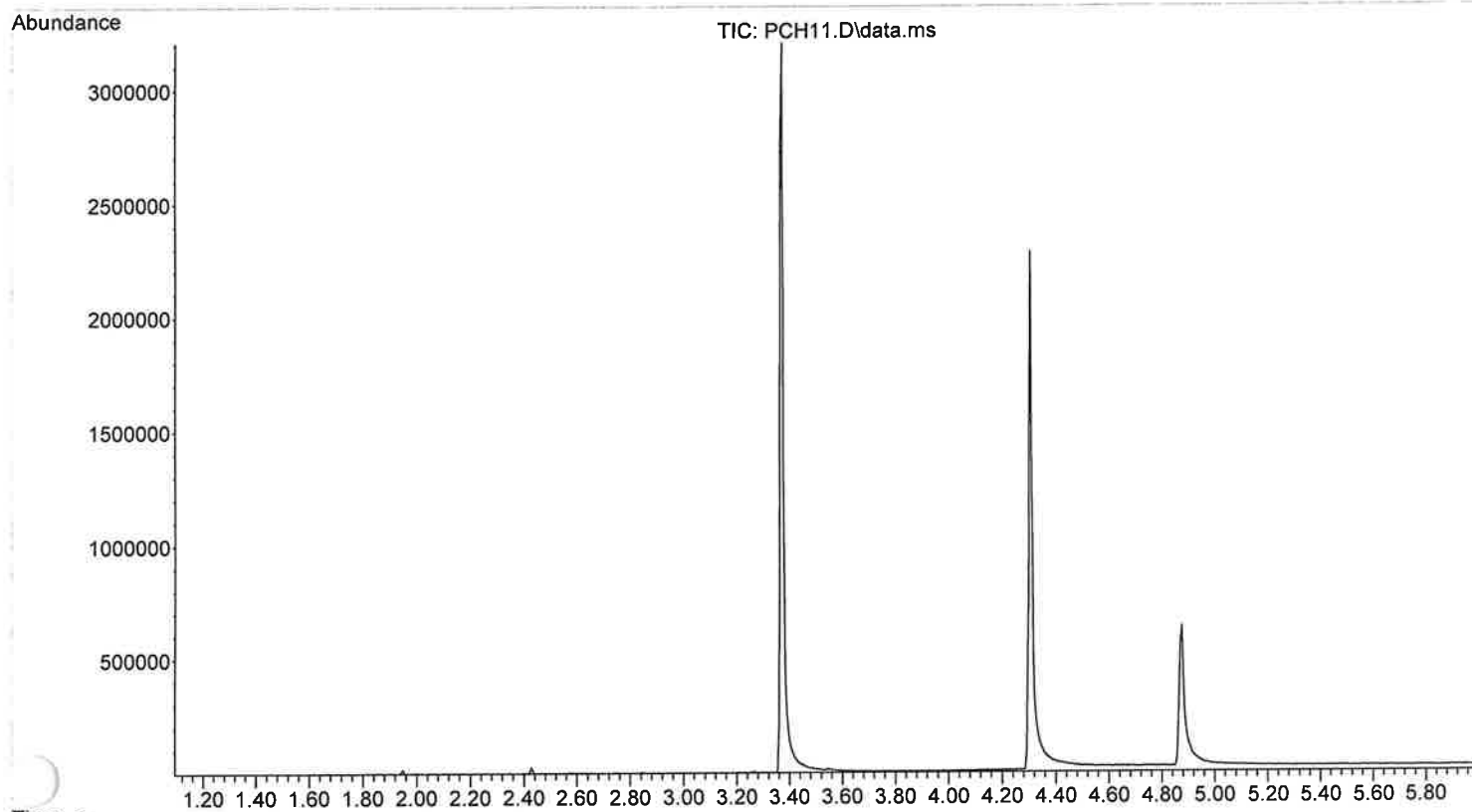
File :X:\2023\GJG\MSB21.D
Operator :
Acquired : 15 Feb 2023 09:55 using AcqMethod MS100TR.M
Instrument : Eggroll
Sample Name: MEOH B FOR CALIBRATION STANDARD
Misc Info : 100-280
Vial Number: 1



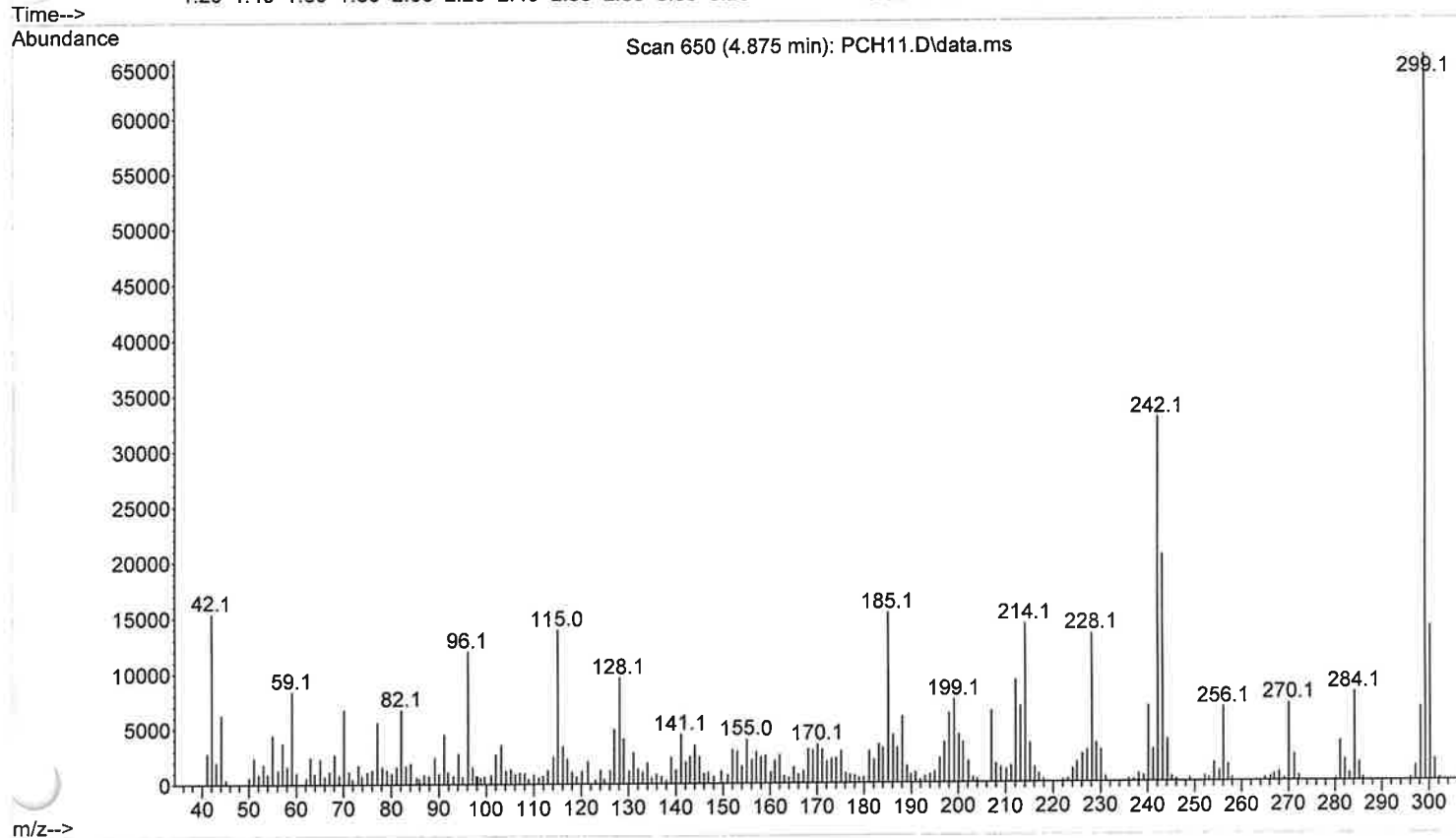
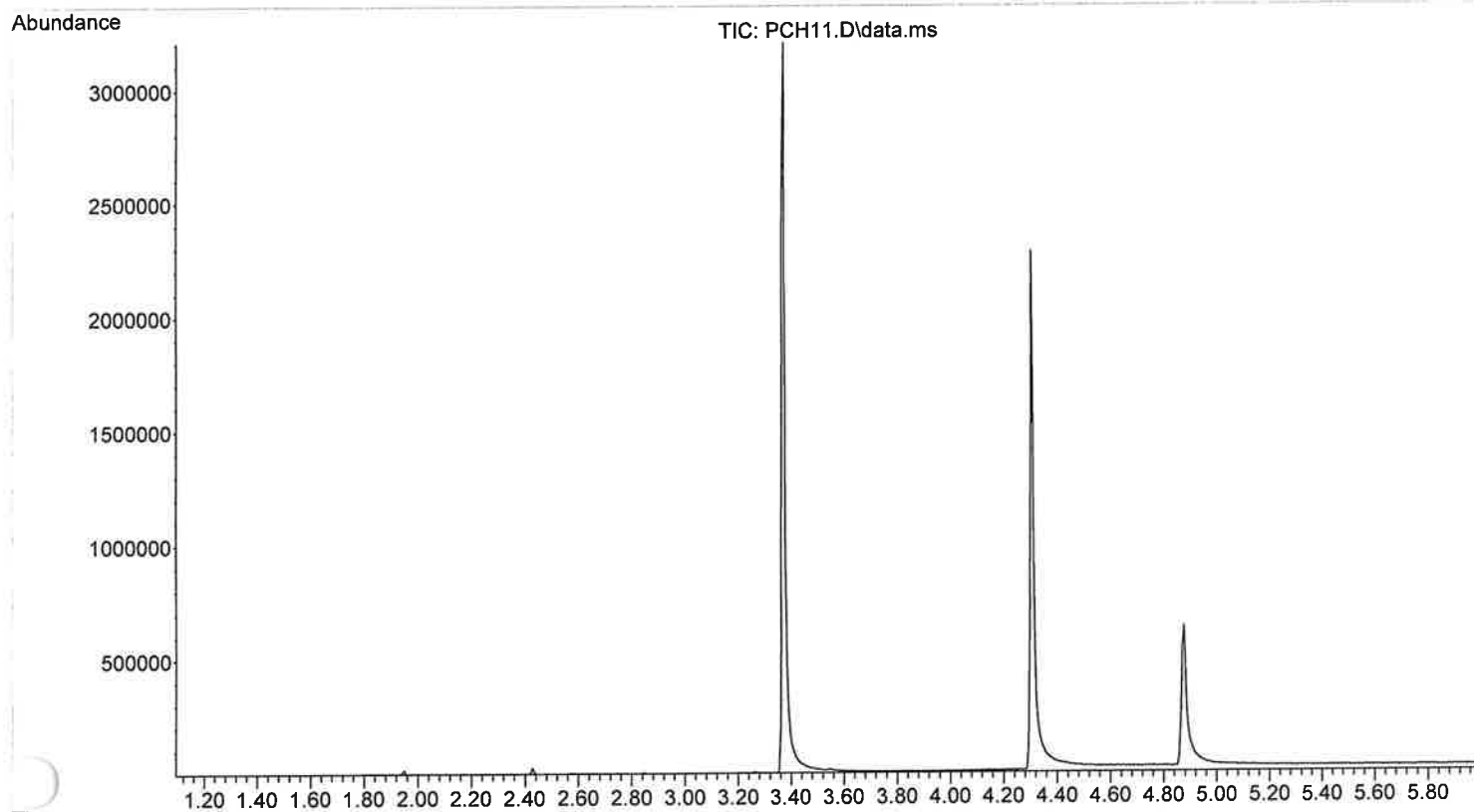
File :X:\2023\GJG\PCH11.D
Operator :
Acquired : 15 Feb 2023 10:17 using AcqMethod MS100TR.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD -- 100-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 1



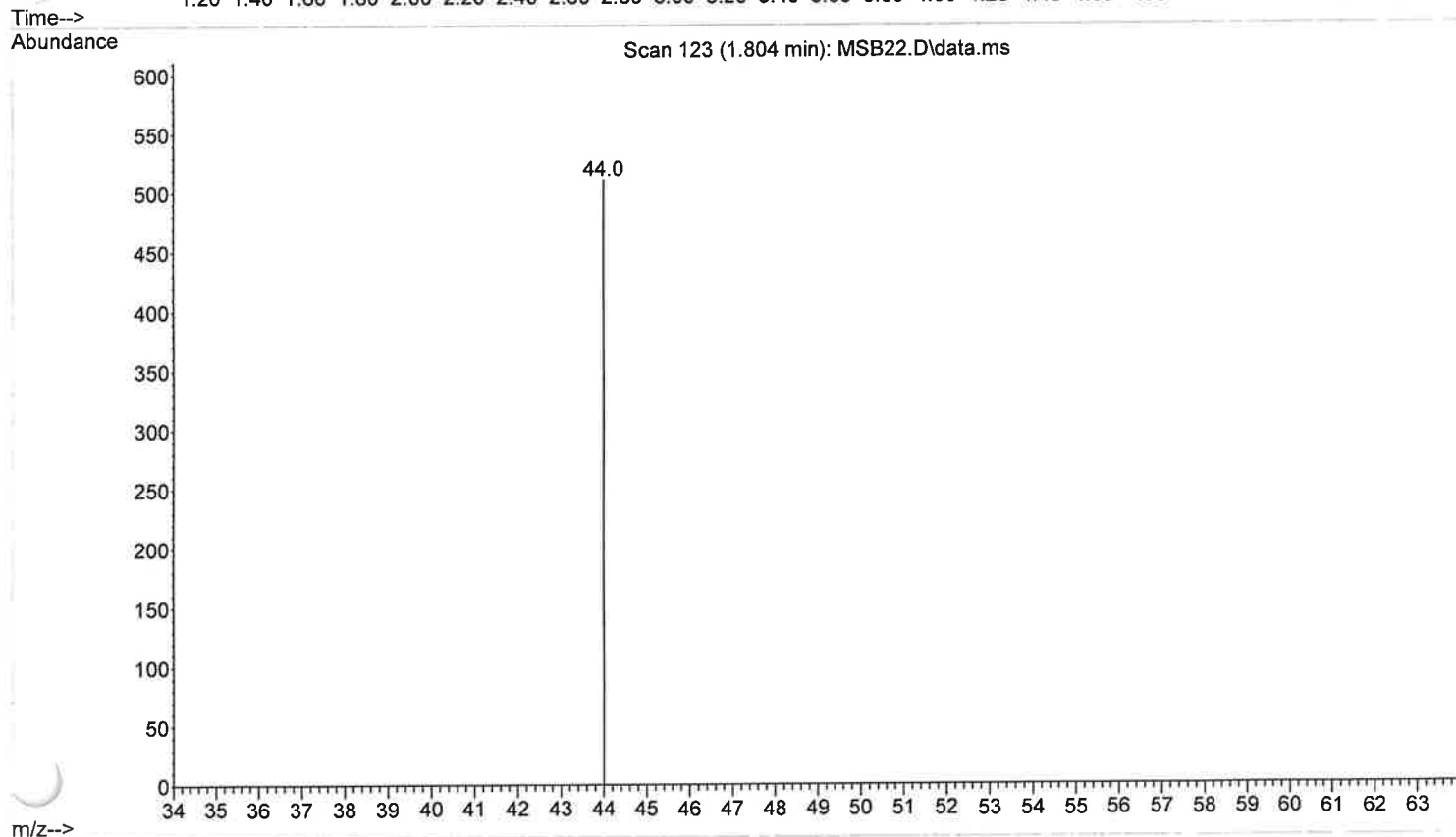
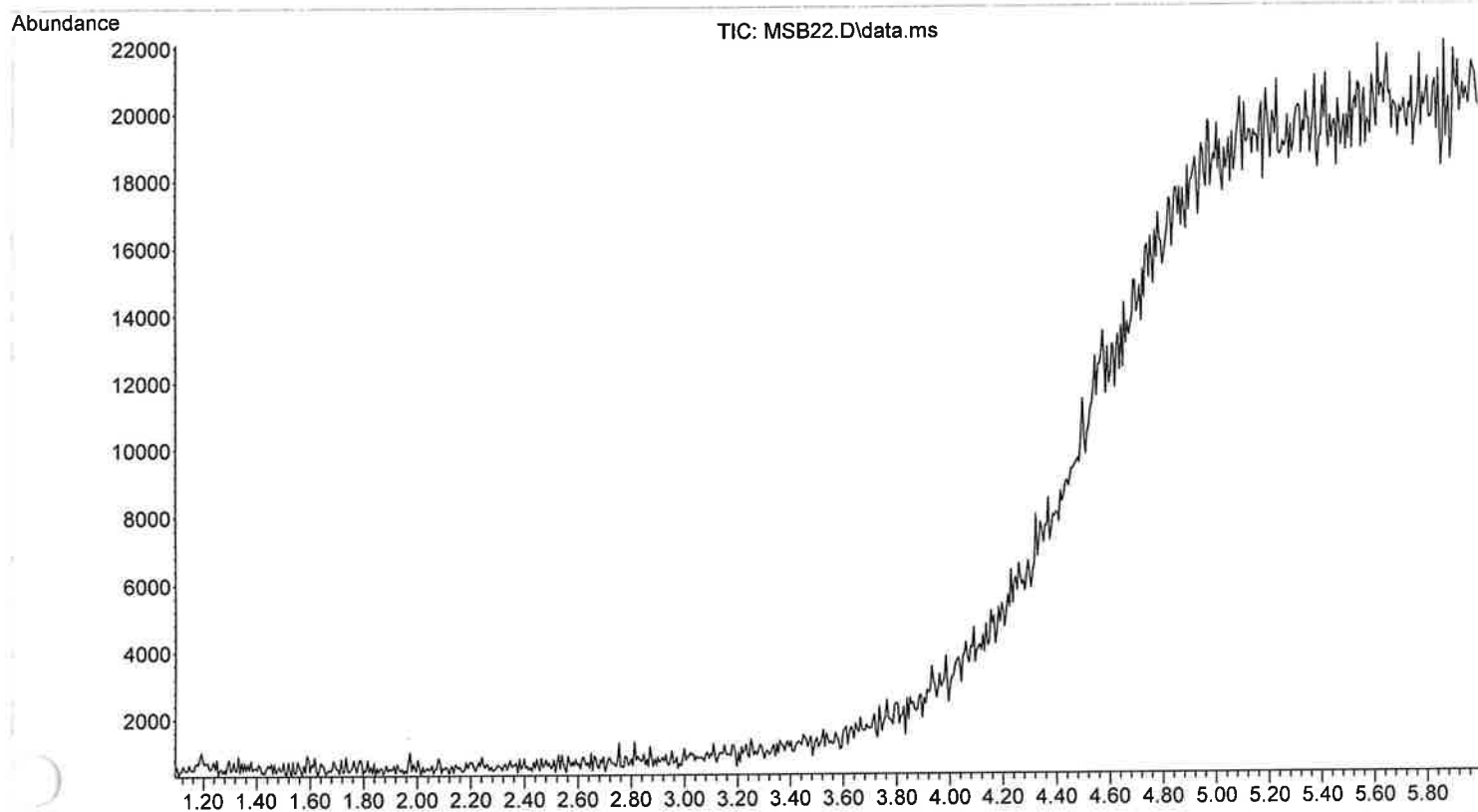
File :X:\2023\GJG\PCH11.D
Operator :
Acquired : 15 Feb 2023 10:17 using AcqMethod MS100TR.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD -- 100-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 1



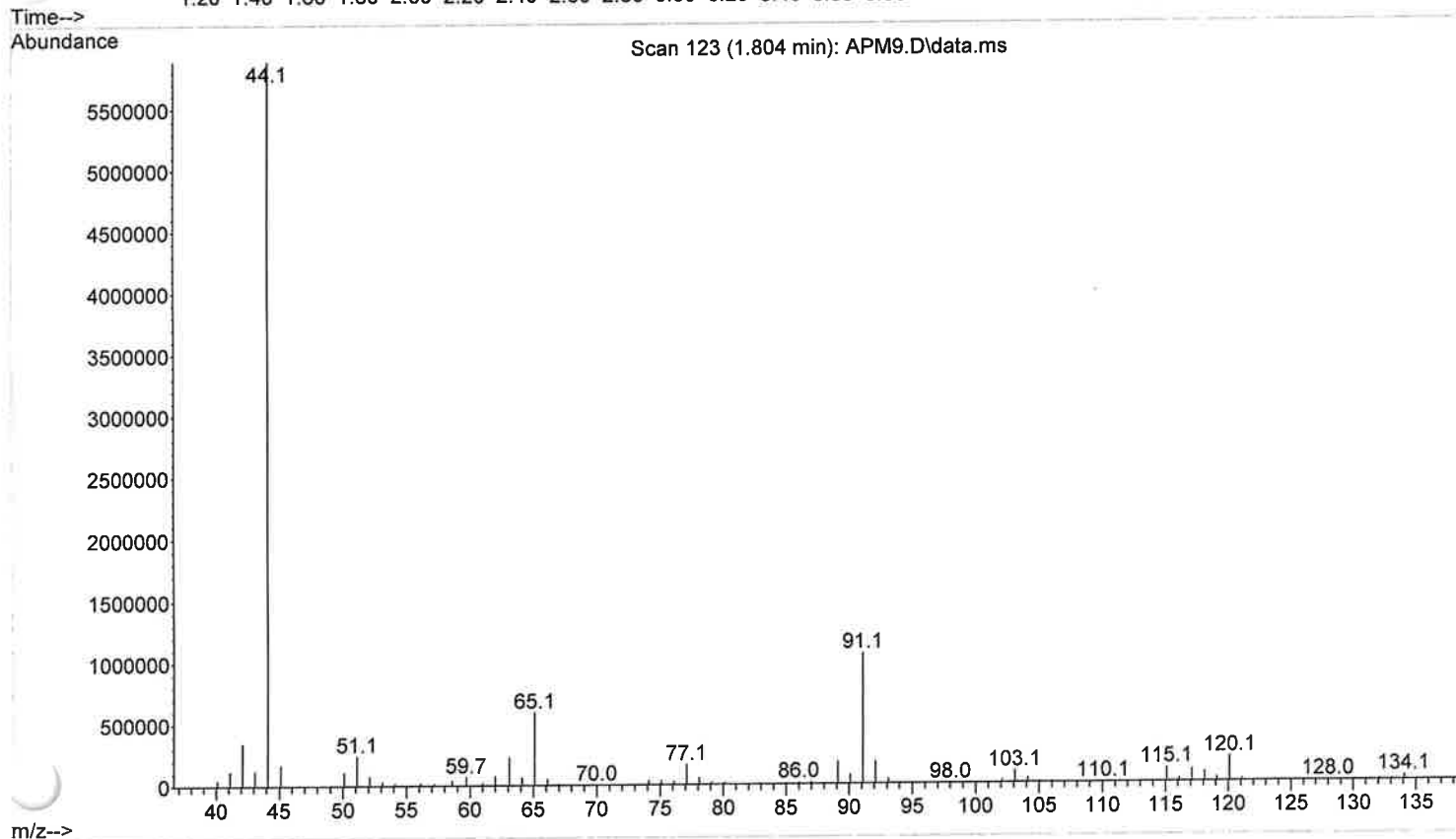
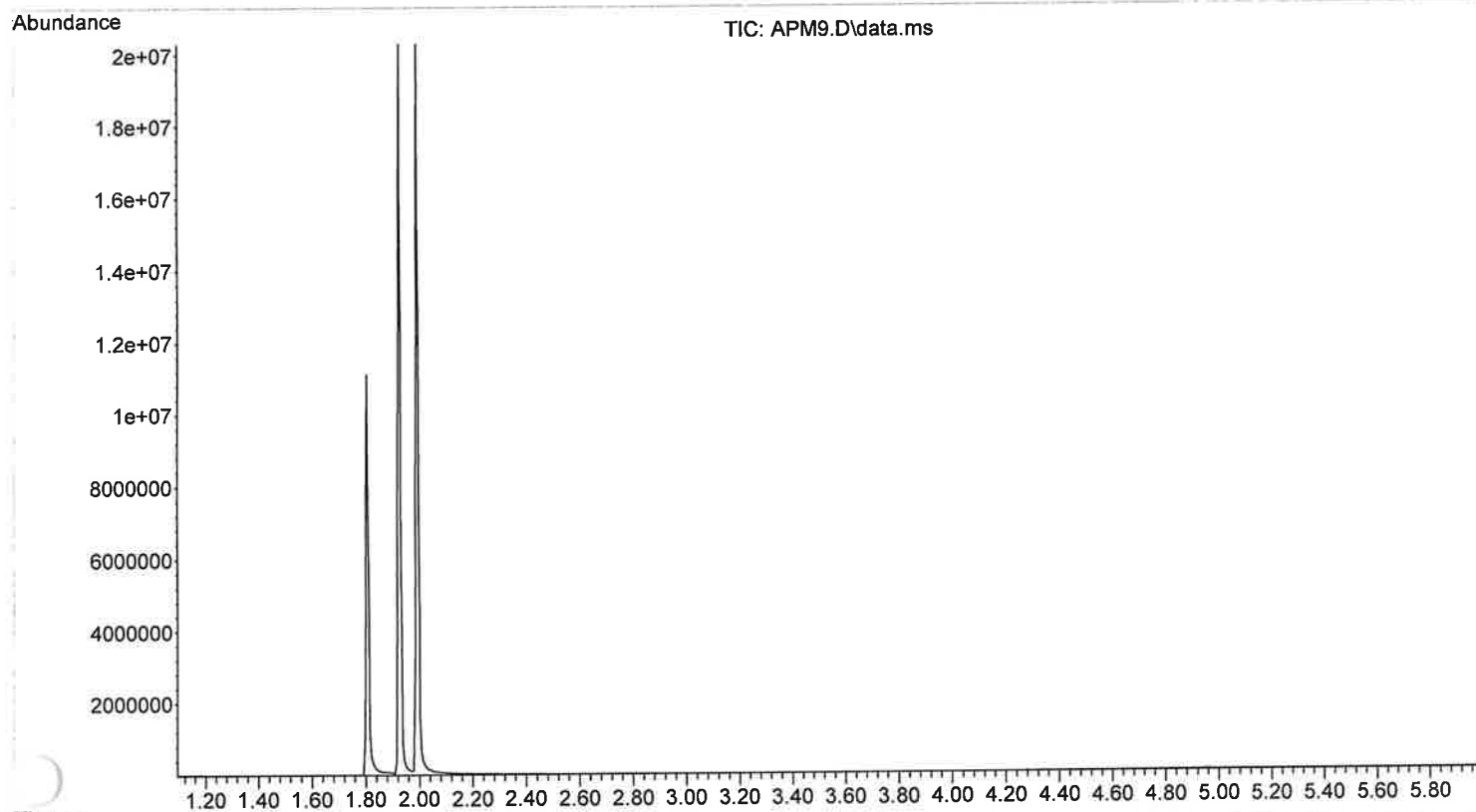
File :X:\2023\GJG\PCH11.D
Operator :
Acquired : 15 Feb 2023 10:17 using AcqMethod MS100TR.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD -- 100-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vi. umber: 1



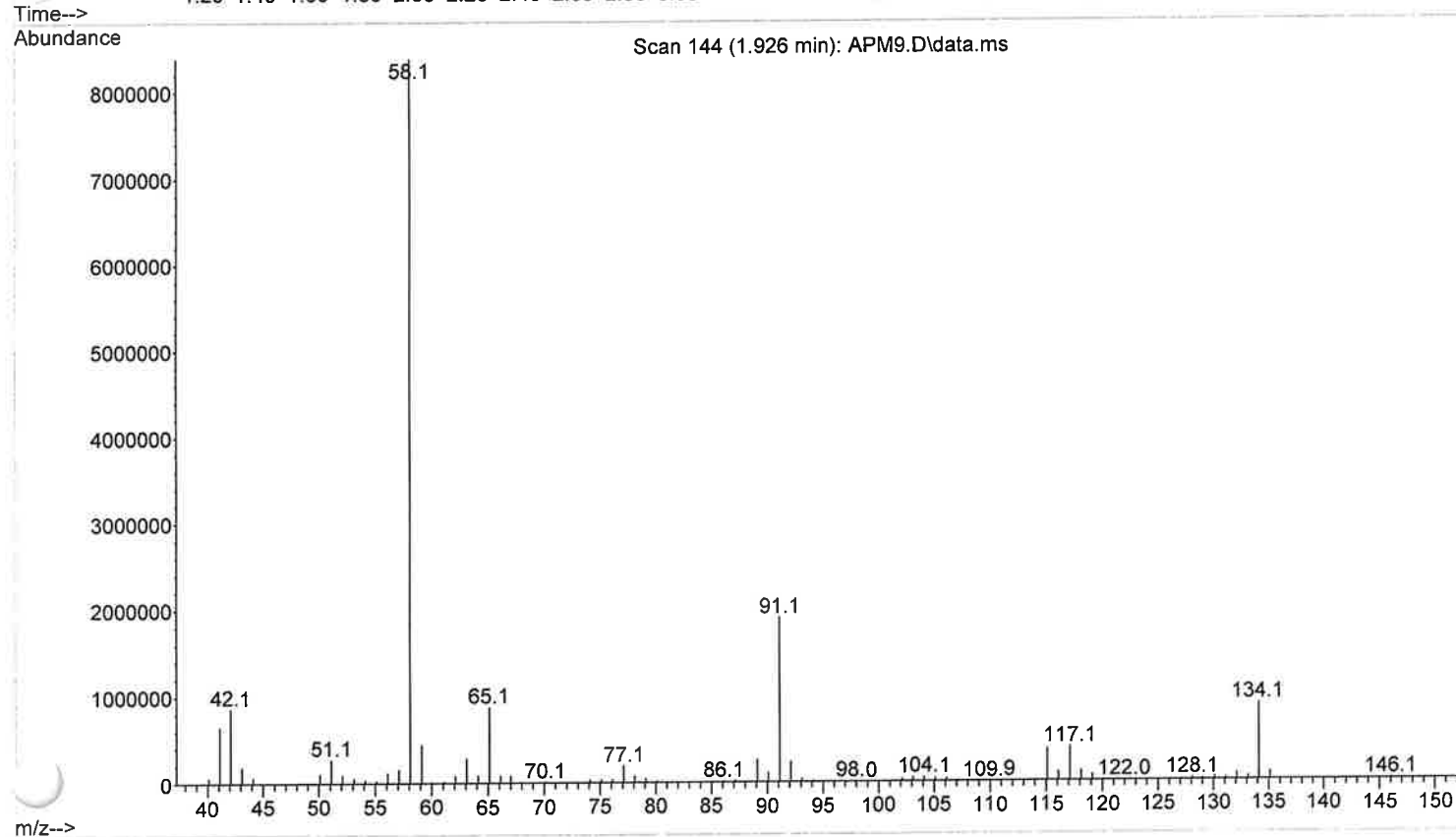
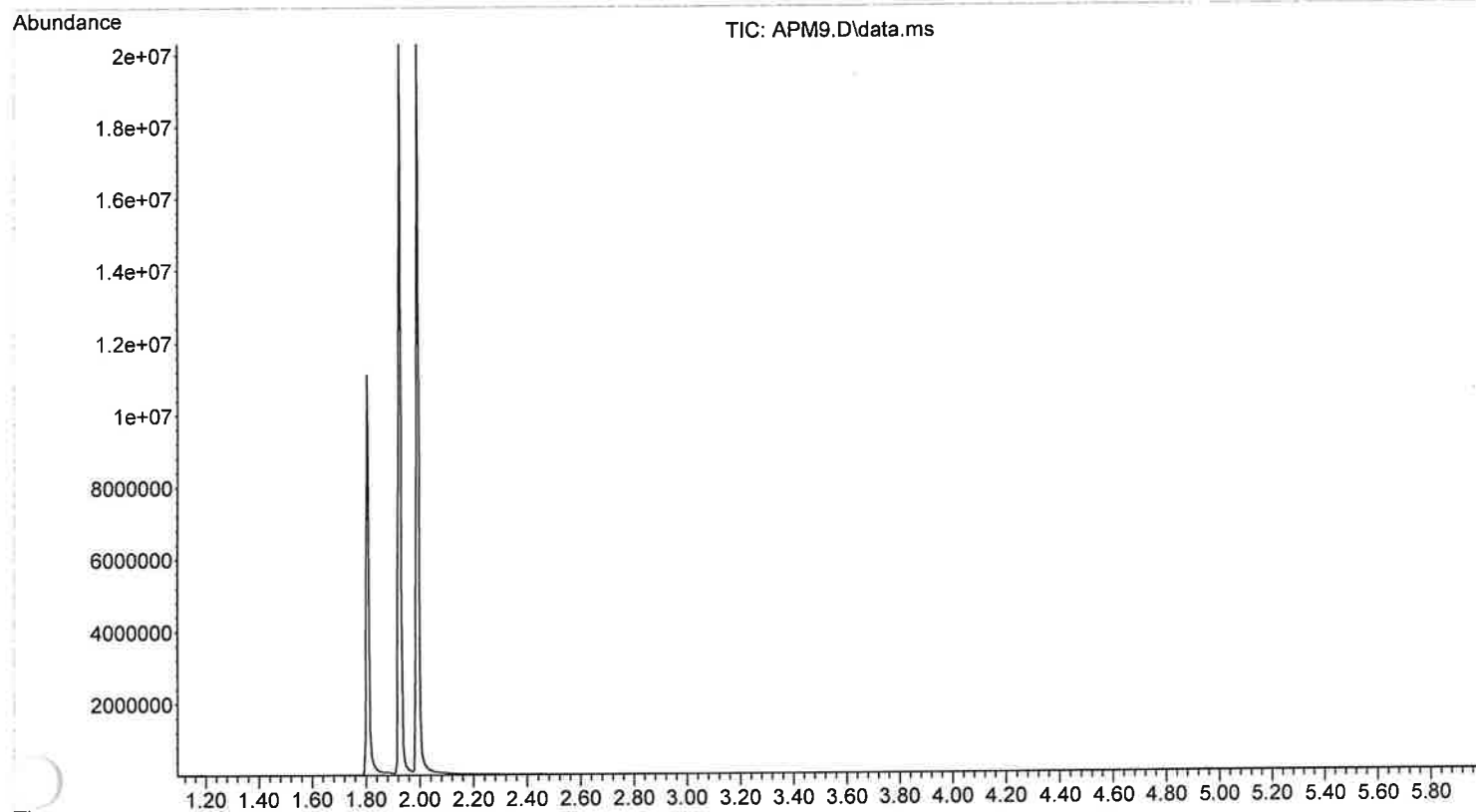
File :X:\2023\GJG\MSB22.D
Operator :
Acquired : 15 Feb 2023 13:28 using AcqMethod MS100TR.M
Instrument : Eggroll
Sample Name: MEOH B FOR GC/IR TEST SOLUTION
Misc Info : 100-280
Vial Number: 1



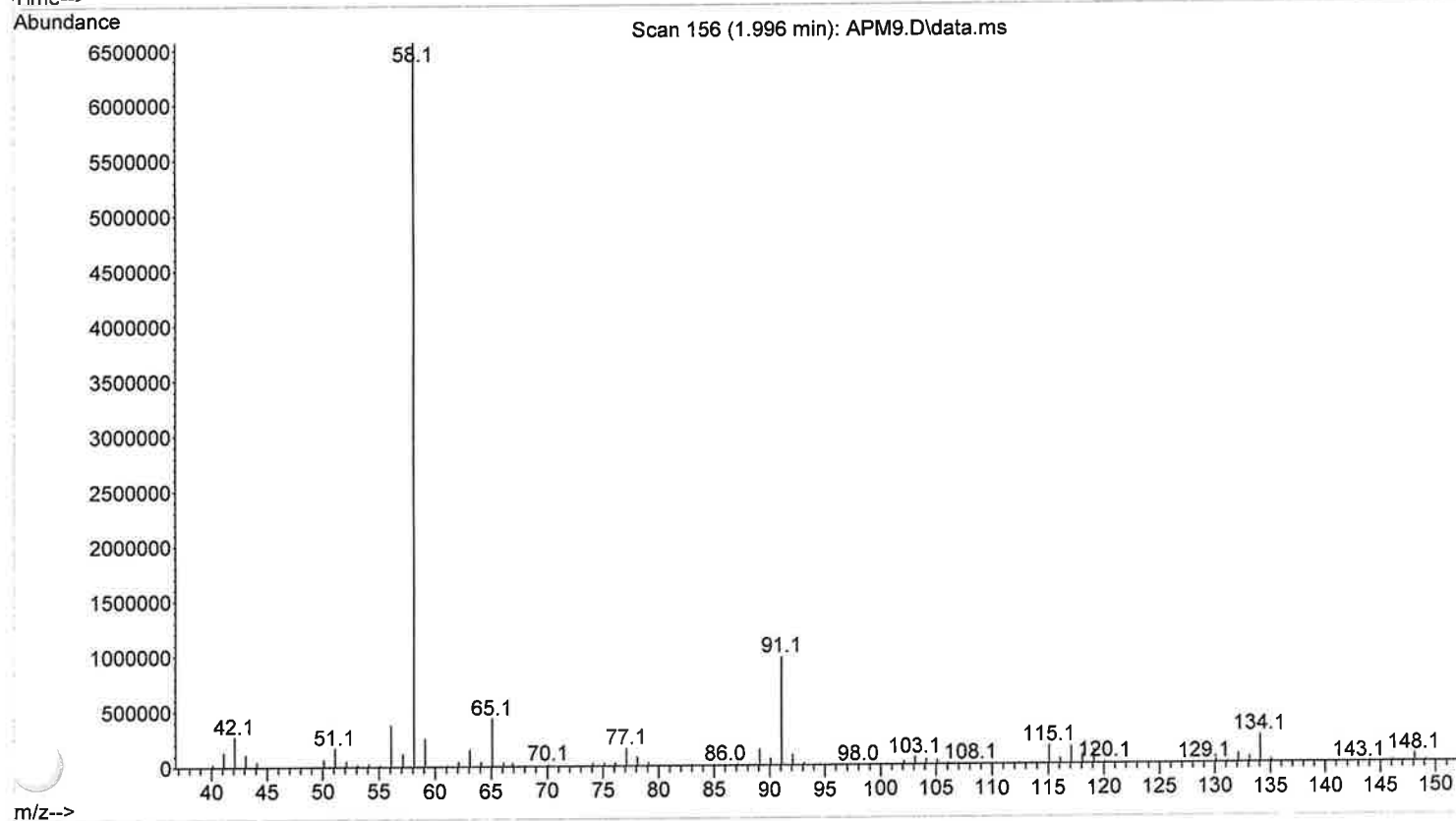
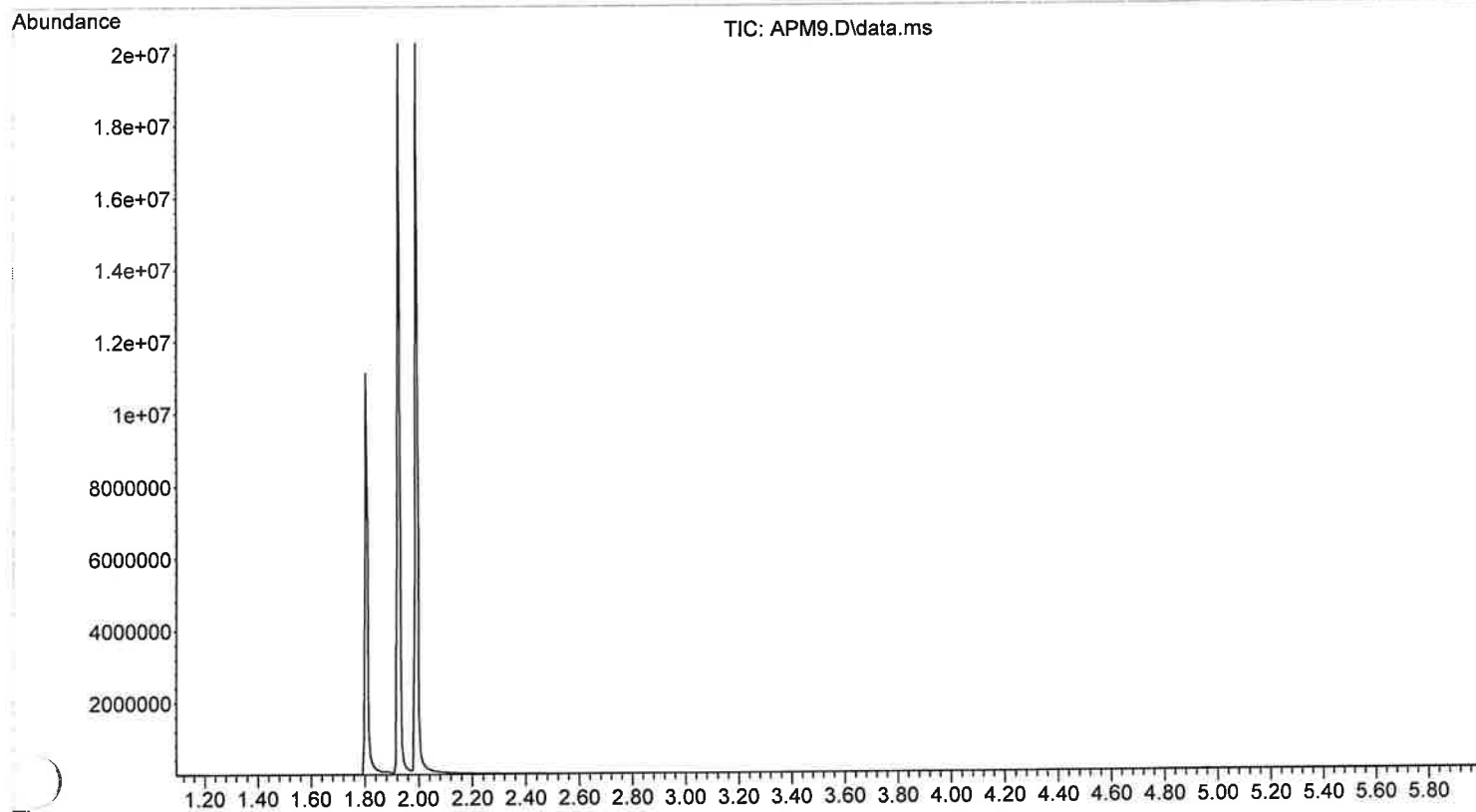
File :X:\2023\GJG\APM9.D
Operator :
Acquired : 15 Feb 2023 13:44 using AcqMethod MS100TR.M
Instrument : Eggroll
Sample Name: GC/IR TEST SOLUTION -- 100-280
Misc Info : AMPHETAMINE / PHENTERMINE / METHAMPHETAMINE
Vial Number: 1



File :X:\2023\GJG\APM9.D
Operator :
Acquired : 15 Feb 2023 13:44 using AcqMethod MS100TR.M
Instrument : Eggroll
Sample Name: GC/IR TEST SOLUTION -- 100-280
Misc Info : AMPHETAMINE / PHENTERMINE / METHAMPHETAMINE
Vial Number: 1



File :X:\2023\GJG\APM9.D
Operator :
Acquired : 15 Feb 2023 13:44 using AcqMethod MS100TR.M
Instrument : Eggroll
Sample Name: GC/IR TEST SOLUTION -- 100-280
Misc Info : AMPHETAMINE / PHENTERMINE / METHAMPHETAMINE
Vial Number: 1



METHOD CONTROL PARAMETERS

Method Information for: C:\MassHunter\GCMS\1\methods\MS200TR.M

Method Sections To Run:

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

Method Comments:

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

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	C:\MassHunter\GCMS\1\methods\MS200TR.M
Tune file	atune.u
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
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	150	1,562 [N=2]

Timed Events

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

Real-Time Plots

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

Self-Cleaning Ion Source Parameters

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

C:\MassHunter\GCMS\1\methods\MS200TR.M
Fri Jan 13 14:08:08 2023

rol 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 100 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 3.86 min

Equilibration Time 0.5 min
Max Temperature 450 °C
Maximum Temperature Override Disabled
S W Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 3
Solvent A Volume 2 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 3
Solvent B Volume 2 µL
Sample Washes 1
Sample Wash Volume 2 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
Injection Type Standard
L1 Airgap 0.2 µL
Solvent Wash Mode A, B

Back Injector	
Syringe Size	10 µL
Injection Volume	1 µL
Solvent A Washes (PreInj)	2
Solvent A Washes (PostInj)	3
Solvent A Volume	3 µL
Solvent B Washes (PreInj)	2
Solvent B Washes (PostInj)	3
Solvent B Volume	3 µL
Sample Washes	2
Sample Wash Volume	1 µL
Sample Pumps	3
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Solvent Wash Mode	A, B
Sample Overlap Mode	Sample overlap is not enabled
ALS Errors	Pause for user interaction
Front SS Inlet He	
Excluded from Readiness Mode	***Excluded from Affecting GC's Readiness State***
Heater	Split
Pressure	On 250 °C
Total Flow	On 13.5 psi
Septum Purge Flow	On 44.838 mL/min
Gas Saver	On 3 mL/min
Split Ratio	Off
Split Flow	50 :1
Liner	41.017 mL/min
	A Liner has not been selected.
Back SS Inlet He	
Excluded from Readiness Mode	***Excluded from Affecting GC's Readiness State***
Heater	Split
Pressure	On 250 °C
Total Flow	On 8.5 psi
Septum Purge Flow	On 96.214 mL/min
Gas Saver	On 3 mL/min
Split Ratio	Off
Split Flow	50 :1
Liner	91.387 mL/min
	A Liner has not been selected.
Thermal Aux 2 (MSD Transfer Line)	
Temperature	
Setpoint (Initial)	On
	280 °C
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Column	
Column #1	

Flow	On
Setpoint	0.82034 mL/min
(Initial)	3.5062 mL/min
Post Run	
Column Information	19091S-602
HP-1MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm (Calibrated)
In	Front SS Inlet He
Out	MSD
(Initial)	200 °C
Pressure	13.5 psi
Flow	0.82034 mL/min
Average Velocity	54.354 cm/sec
Holdup Time	0.38329 min
Control Mode	Constant Flow
Column #2	
Pressure	On
Setpoint	8.5 psi
(Initial)	10 psi
Post Run	
Column Information	19091S-913
HP-1MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	15 m x 320 µm x 0.25 µm (Calibrated)
In	Back SS Inlet He
Out	Other
(Initial)	200 °C
Pressure	8.5 psi
Flow	1.8277 mL/min
Average Velocity	45.999 cm/sec
Holdup Time	0.54349 min
Control Mode	Constant Pressure
Column Outlet Pressure	0 psi
Front Detector FID	
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Makeup	He
Heater	On 300 °C
H2 Flow	Off
Air Flow	Off
Makeup Flow	Off
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	50 Hz
Dual Injection Assignment	Front Sample
Signal #2: Test Plot	
Description	Test Plot
Save	Off
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #3: Test Plot	

Description
Save
Data Rate
Dual Injection Assignment

Test Plot
Off
50 Hz
Back Sample

Signal #4: Test Plot
Description
Scale
Data Rate
Dual Injection Assignment

Test Plot
Off
50 Hz
Back Sample

TUNE PARAMETERS for SN: US61633037

Trace Ion Detection is OFF.

34.610 : EMISSION
70.347 : ENERGY
34.961 : REPELLER
83.514 : IONFOCUS
28.500 : ENTRANCE LENS
1470.588 : EMVOLTS

1470.588 : Actual EMV
0.28 : GAIN FACTOR

2128.000 : AMUGAIN
120.250 : AMUOFFSET
1.000 : FILAMENT
0.000 : DCPOLARITY
16.565 : ENTLENSOFFSET
-575.000 : MASSGAIN
-35.000 : MASSOFFSET

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

Method Path : C:\MassHunter\GCMS\1\methods\

Method File : MS200TR.M

Title :

Update :

Response Via : Initial Calibration

Total Cpnds : 0

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

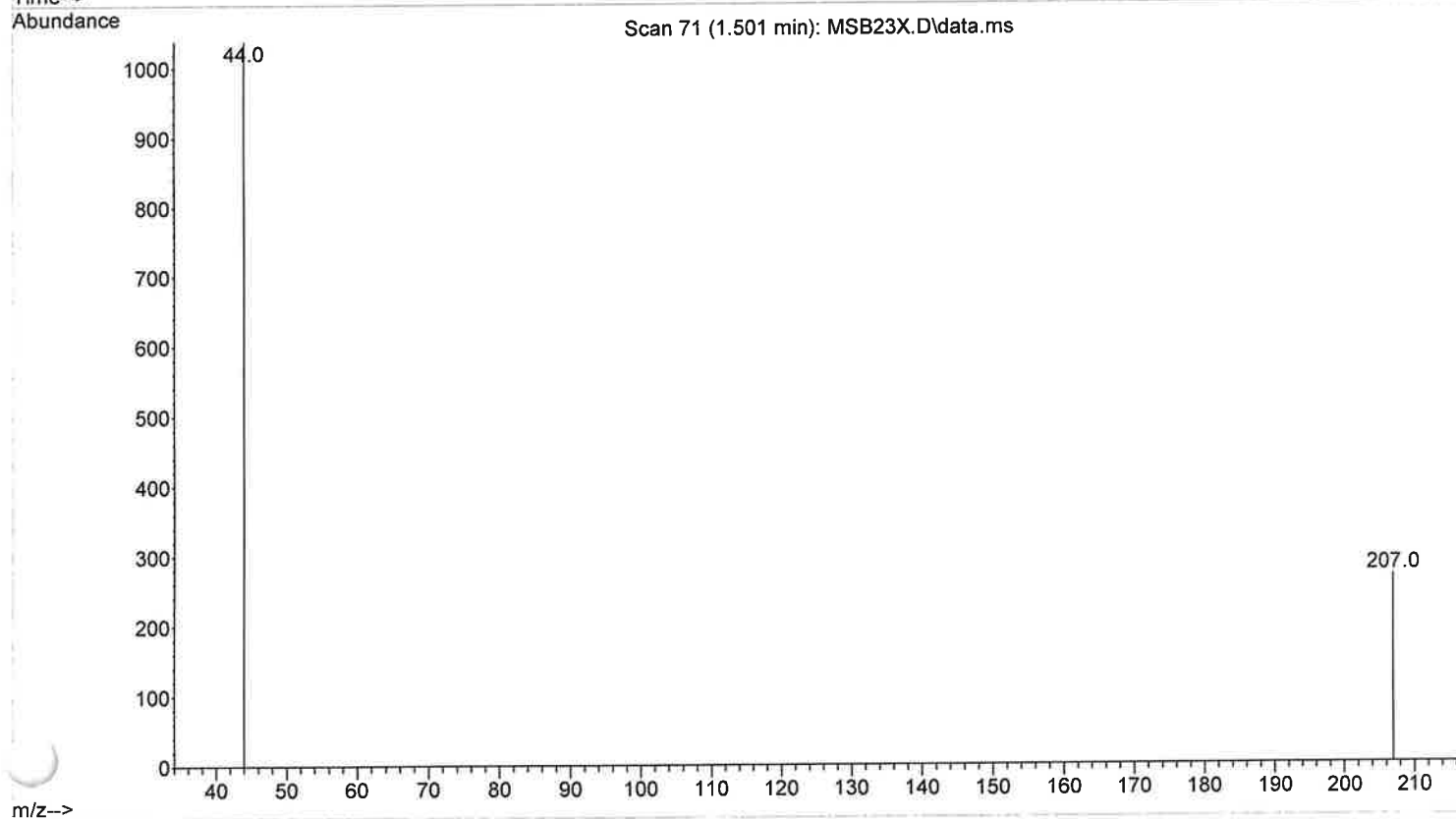
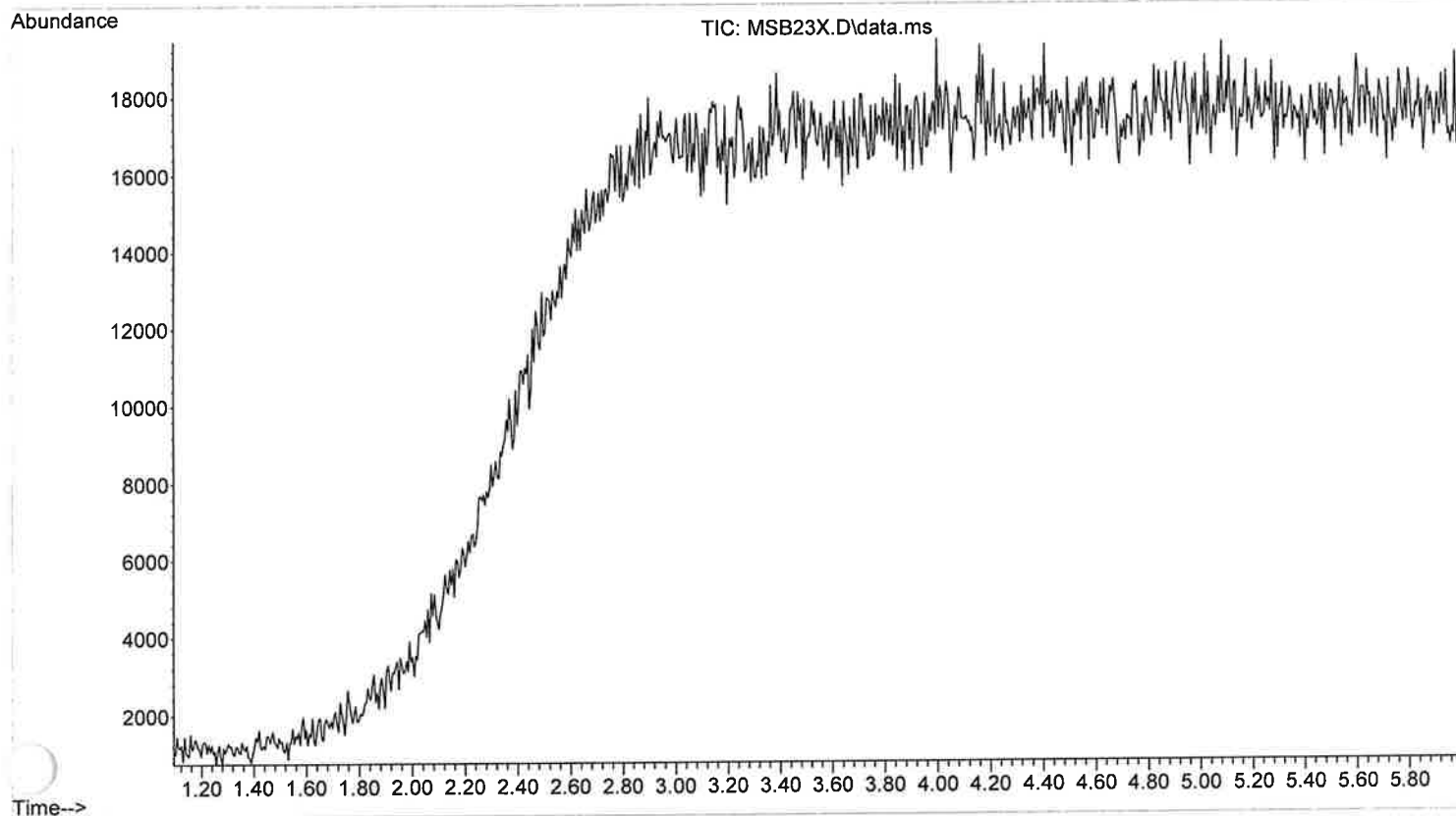
Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin

#Qual = number of qualifiers

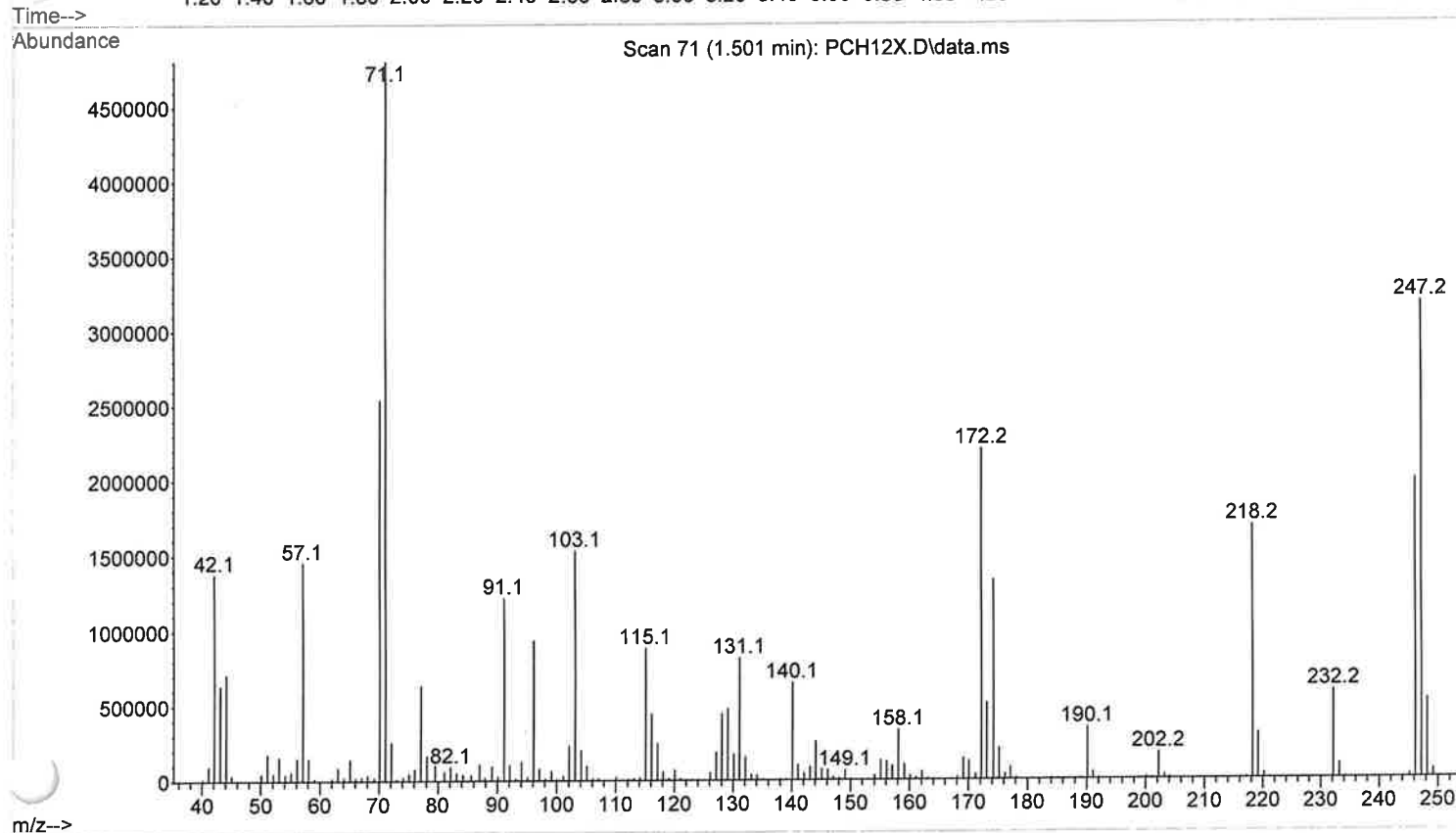
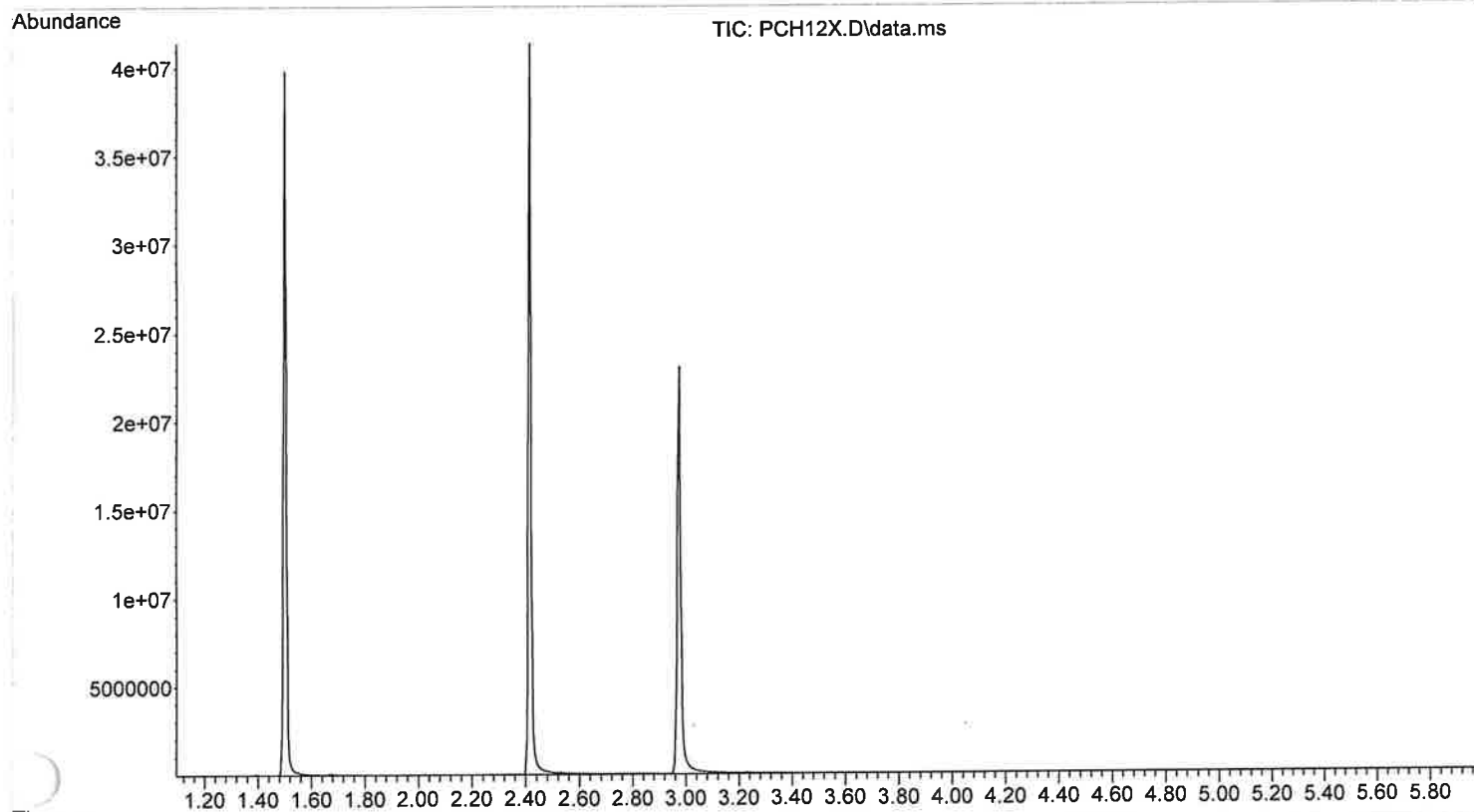
A/H = Area or Height

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

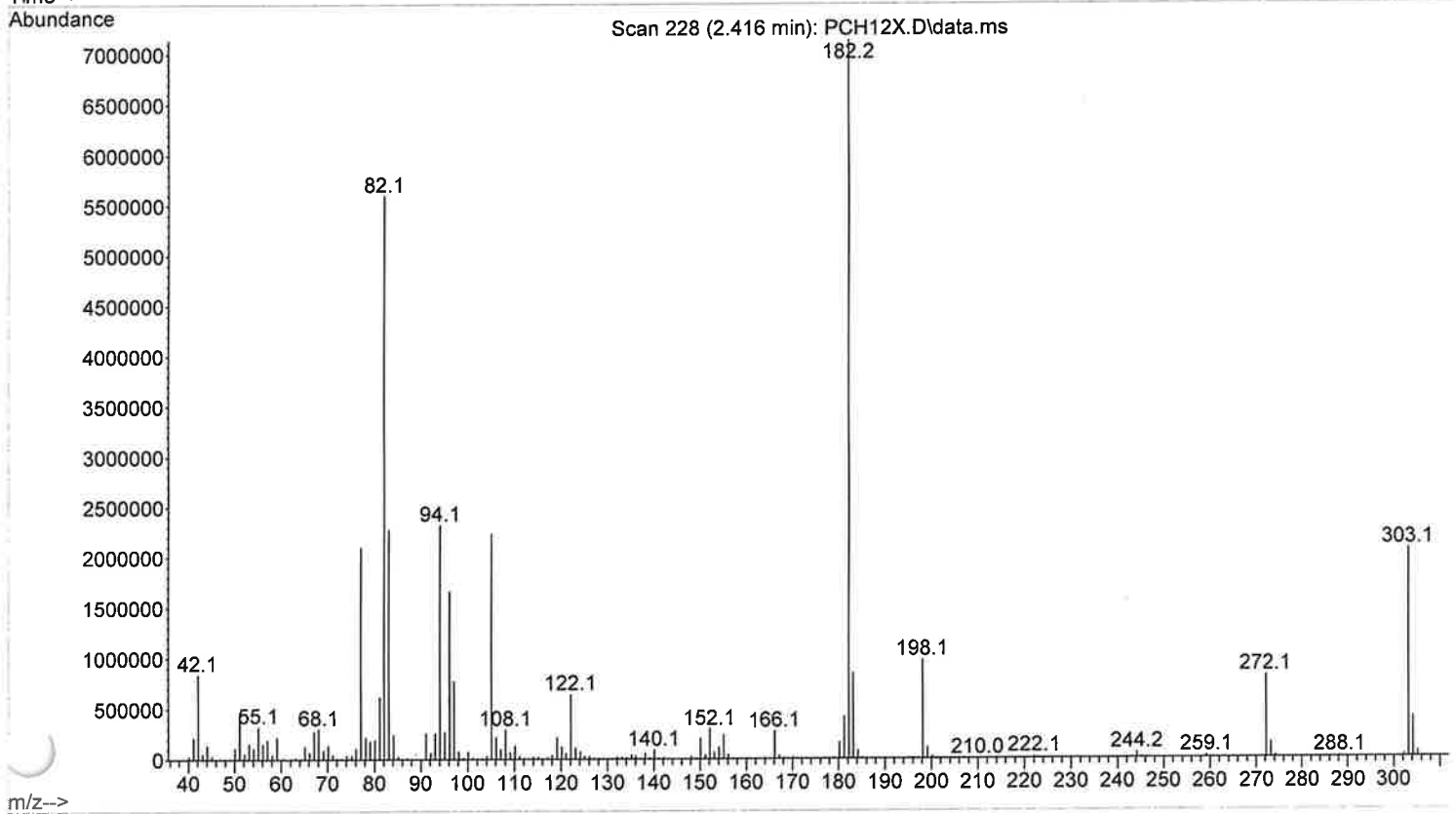
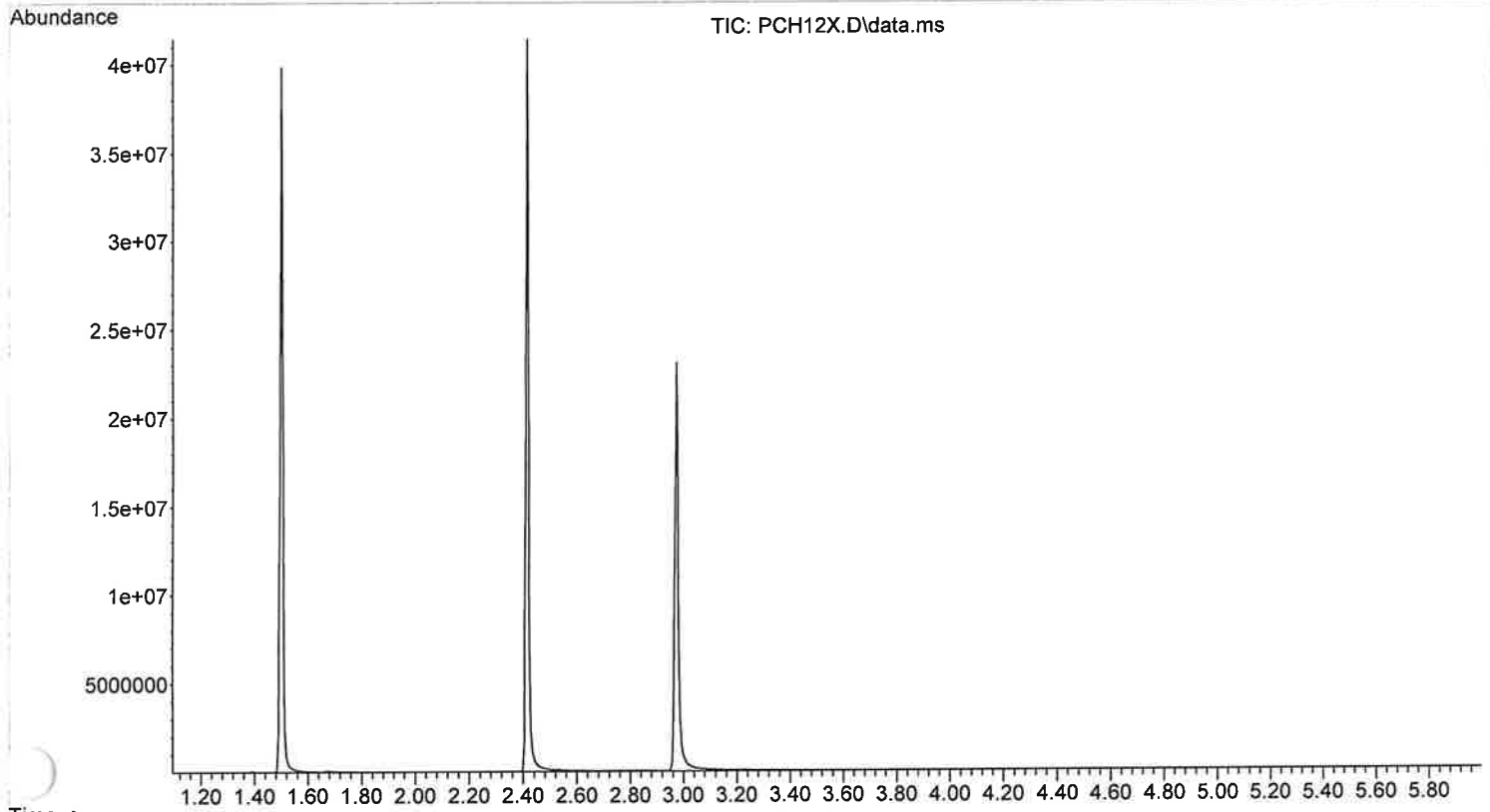
File :X:\2023\GJG\MSB23X.D
Operator :
Acquired : 21 Feb 2023 16:03 using AcqMethod MS200TR.M
Instrument : Eggroll
Sample Name: MEOH B FOR CALIBRATION STANDARD
Misc Info : 200-280
View Number: 1



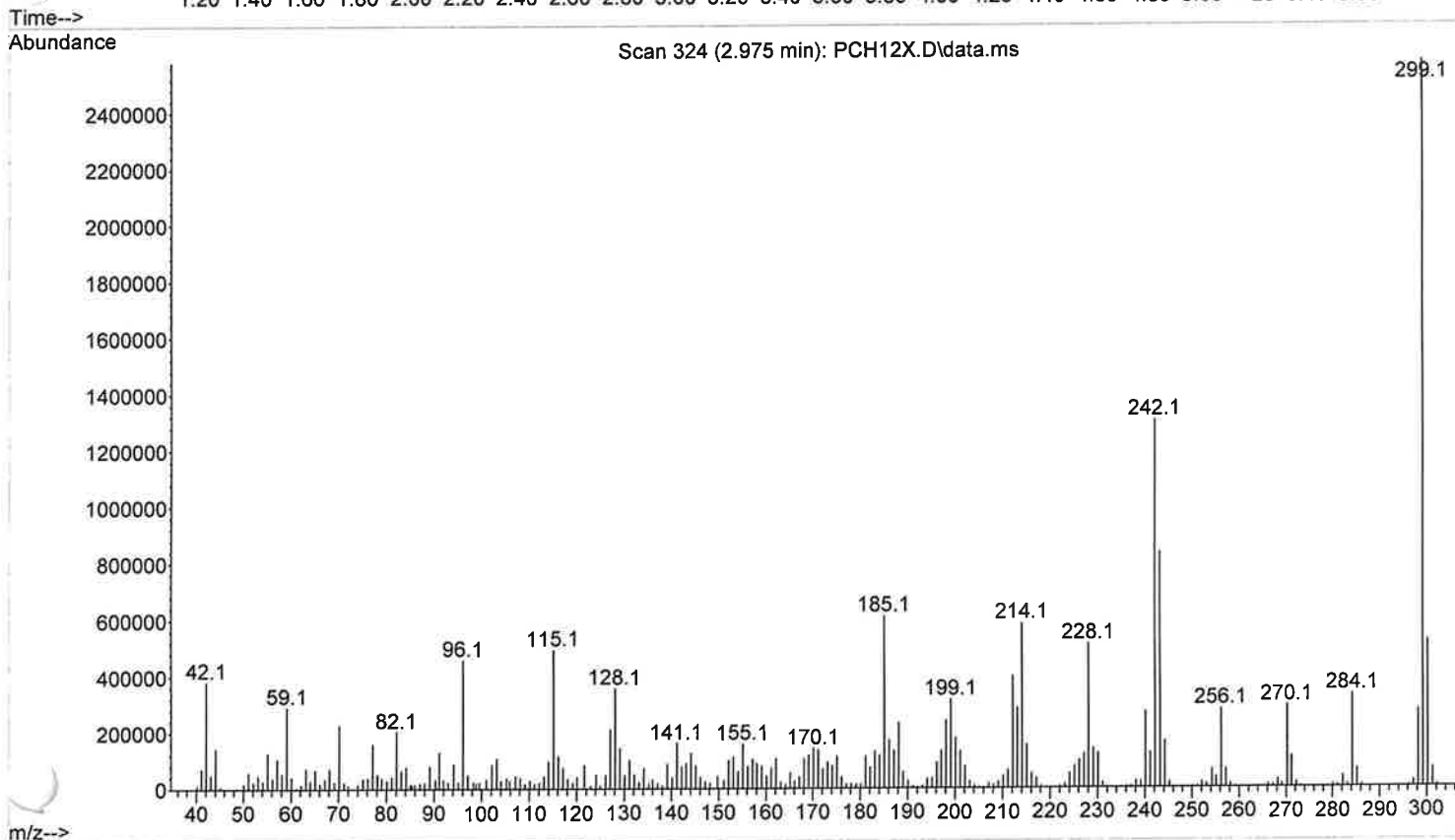
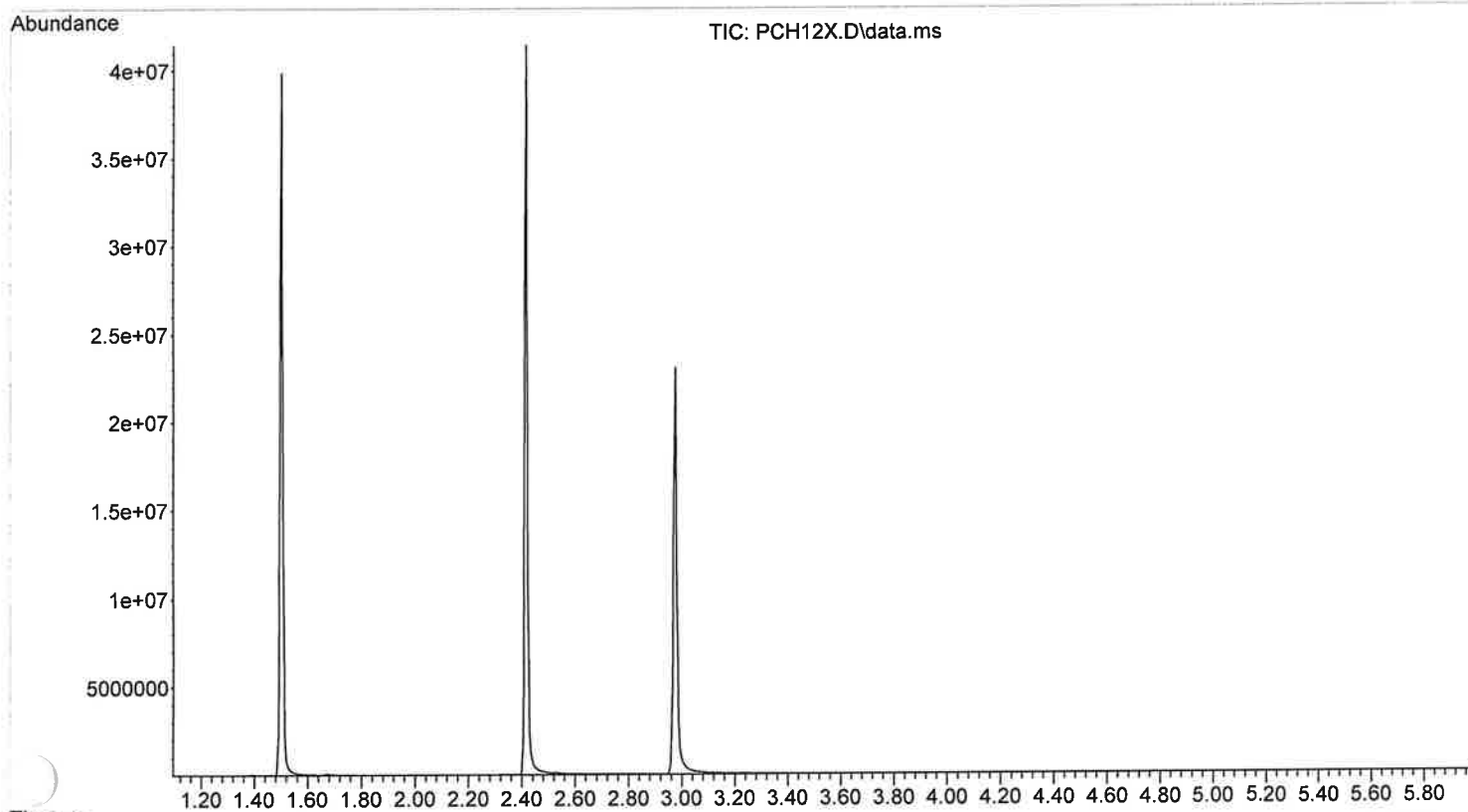
File :X:\2023\GJG\PCH12X.D
Operator :
Acquired : 21 Feb 2023 16:12 using AcqMethod MS200TR.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD -- 200-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 1



File :X:\2023\GJG\PCH12X.D
Operator :
Acquired : 21 Feb 2023 16:12 using AcqMethod MS200TR.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD -- 200-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 1



File :X:\2023\GJG\PCH12X.D
Operator :
Acquired : 21 Feb 2023 16:12 using AcqMethod MS200TR.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD -- 200-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 1



METHOD CONTROL PARAMETERS

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

Method Sections To Run:

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

Method Comments:

This is a MS manual injection 100-280 / 10 minutes -- pulsed split inlet.

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

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

Scan Time Segments

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

Timed Events

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

Real-Time Plots

Type of Plot	Label	Low Mass	High Mass
Total Ion	N/A	N/A	N/A
Spectrum	N/A	N/A	N/A
Extracted Ion	Scan 1-1	50	550
Extracted Ion	Scan 1-2	40	550

Self-Cleaning Ion Source Parameters

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

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

Mon Jan 09 15:56:22 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 100 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 6.43 min

Equilibration Time 0.5 min
Max Temperature 450 °C
Minimum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 3
Solvent A Volume 8 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 3
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
Injection Type Standard
L1 Airgap 0.2 µL
Solvent Wash Mode A, B

Back Injector	
Syringe Size	10 µL
Injection Volume	1 µL
Solvent A Washes (PreInj)	2
Solvent A Washes (PostInj)	3
Solvent A Volume	3 µL
Solvent B Washes (PreInj)	2
Solvent B Washes (PostInj)	3
Solvent B Volume	3 µL
Sample Washes	2
Sample Wash Volume	1 µL
Sample Pumps	3
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Solvent Wash Mode	A, B
Sample Overlap Mode	Sample overlap is not enabled
ALS Errors	Pause for user interaction
Front SS Inlet He Mode	Pulsed Split
Heater	On 250 °C
Pressure	On 11 psi
Total Flow	On 54.779 mL/min
Septum Purge Flow	On 3 mL/min
Gas Saver	Off
Split Ratio	50 :1
Split Flow	50.764 mL/min
Injection Pulse Pressure	10 psi Until 0.75 min
Liner	A Liner has not been selected.
Back SS Inlet He Mode	Split
Heater	On 250 °C
Pressure	On 8.5 psi
Total Flow	On 141.9 mL/min
Septum Purge Flow	On 3 mL/min
Gas Saver	Off
Split Ratio	50 :1
Split Flow	136.18 mL/min
Liner	A Liner has not been selected.
Thermal Aux 2 (MSD Transfer Line) Temperature	
Setpoint (Initial)	On 280 °C
Column	
Column #1	
Flow	
Setpoint	On

(Initial)	1.0153 mL/min
Post Run	3.5062 mL/min
Column Information	19091S-602
HP-1MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm (Calibrated)
Inlet	Front SS Inlet He
Outlet	MSD
(Initial)	100 °C
Pressure	11 psi
Flow	1.0153 mL/min
Average Velocity	58.214 cm/sec
Holdup Time	0.35787 min
Control Mode	Constant Flow
Column #2	
Pressure	On
Setpoint	8.5 psi
(Initial)	10 psi
Post Run	
Column Information	19091S-913
HP-1MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	15 m x 320 µm x 0.25 µm (Calibrated)
Inlet	Back SS Inlet He
Outlet	Other
(Initial)	100 °C
Pressure	8.5 psi
Flow	2.7236 mL/min
Average Velocity	54.059 cm/sec
Holdup Time	0.46246 min
Control Mode	Constant Pressure
Column Outlet Pressure	0 psi
Front Detector FID	
Makeup	He
Heater	On 300 °C
H2 Flow	Off
Air Flow	Off
Makeup Flow	Off
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	Off
Signals	
Signal #1: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	Off
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #2: Test Plot	
Description	Test Plot
Save	Off
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #3: Test Plot	
Description	Test Plot
Save	Off
Data Rate	50 Hz

Dual Injection Assignment

Back Sample

Signal #4: Test Plot

Description

Save

Data Rate

Injection Assignment

Test Plot

Off

50 Hz

Back Sample

TUNE PARAMETERS for SN: US61633037

Trace Ion Detection is OFF.

34.610	:	EMISSION	
70.347	:	ENERGY	
34.961	:	REPELLER	
88.259	:	IONFOCUS	
25.500	:	ENTRANCE LENS	
1435.294	:	EMVOLTS	
		1635.294	: Actual EMV
		1.02	: GAIN FACTOR
2126.000	:	AMUGAIN	
120.563	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
18.824	:	ENTLENSOFFSET	
-575.000	:	MASSGAIN	
-34.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

Method Path : C:\MassHunter\GCMS\1\methods\

Method File : PMDRUGS.M

Title :

Auto Update :

Response Via : Initial Calibration

Total Cpnds : 0

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

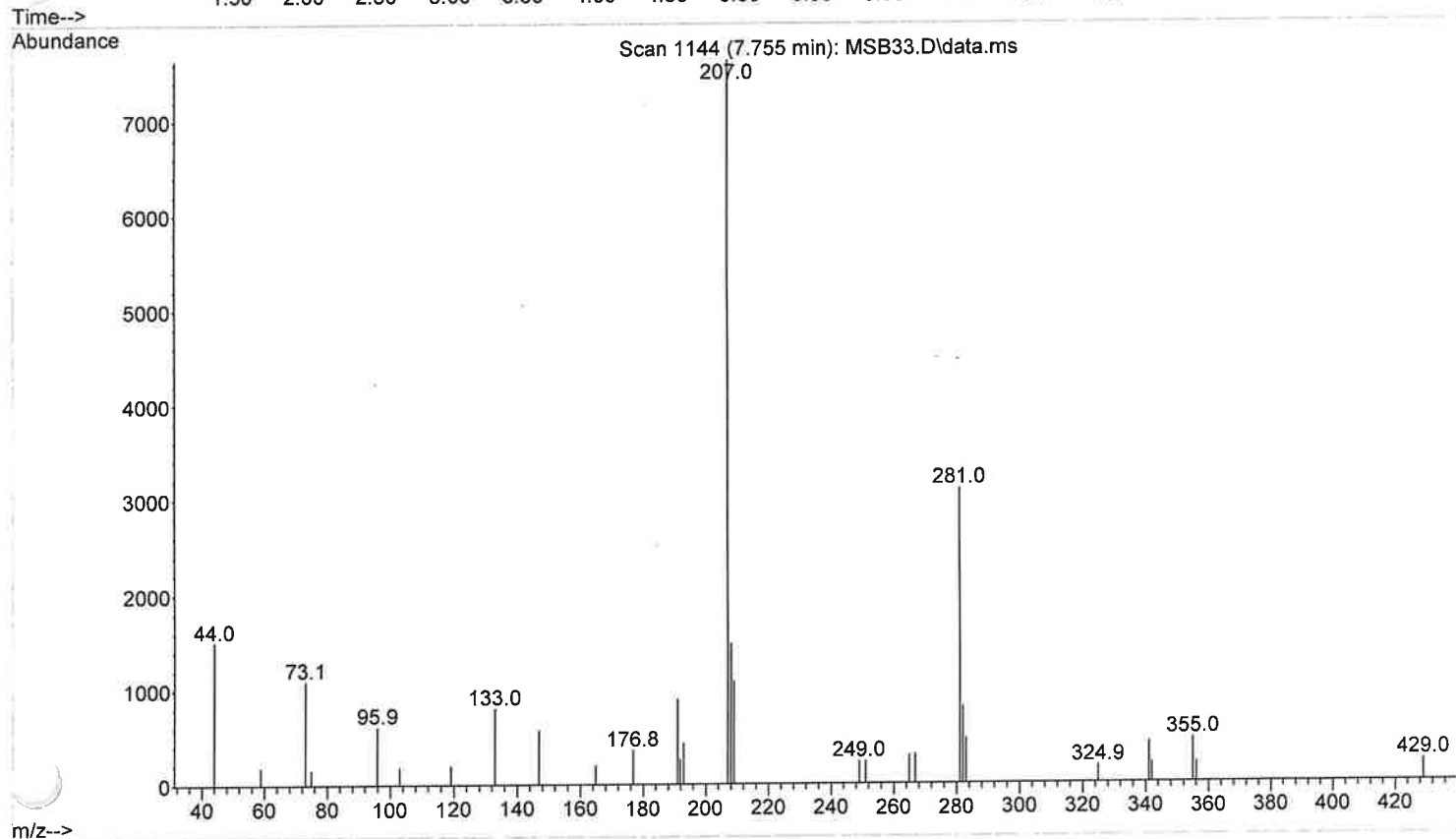
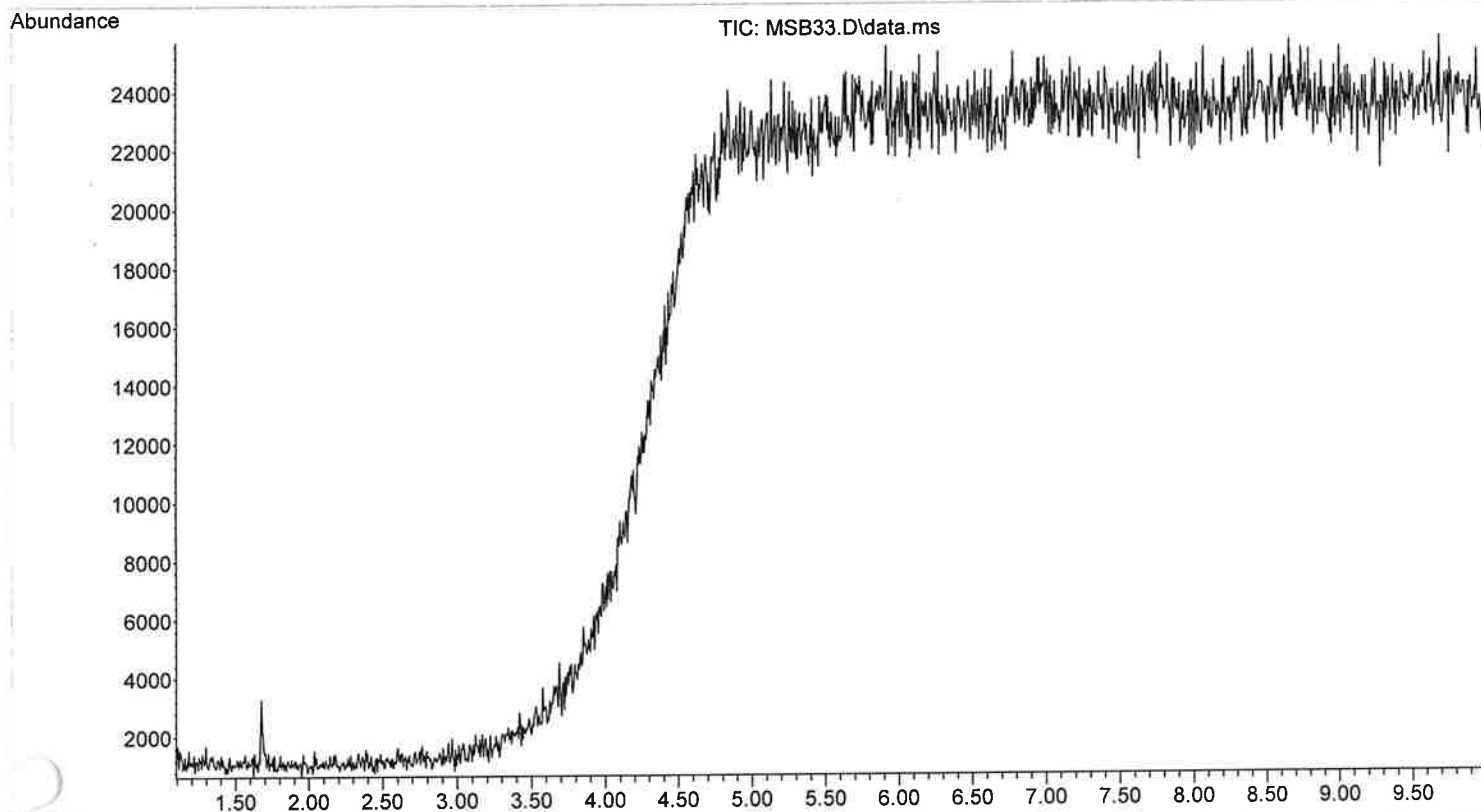
Cal A = Average L = Linear LO = Linear w/origin Q = Quad Q0 = Quad w/origin

#Qual = number of qualifiers

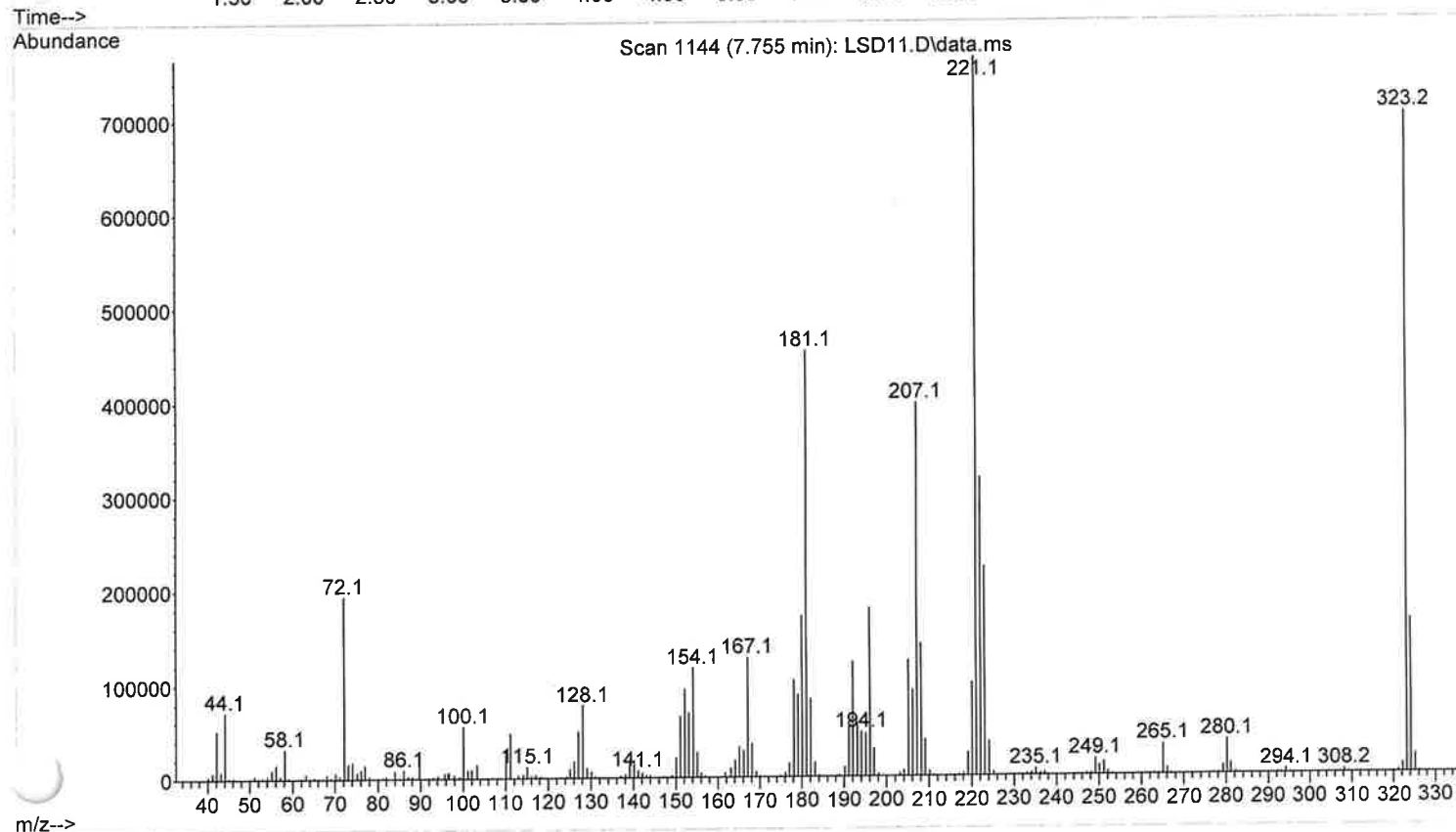
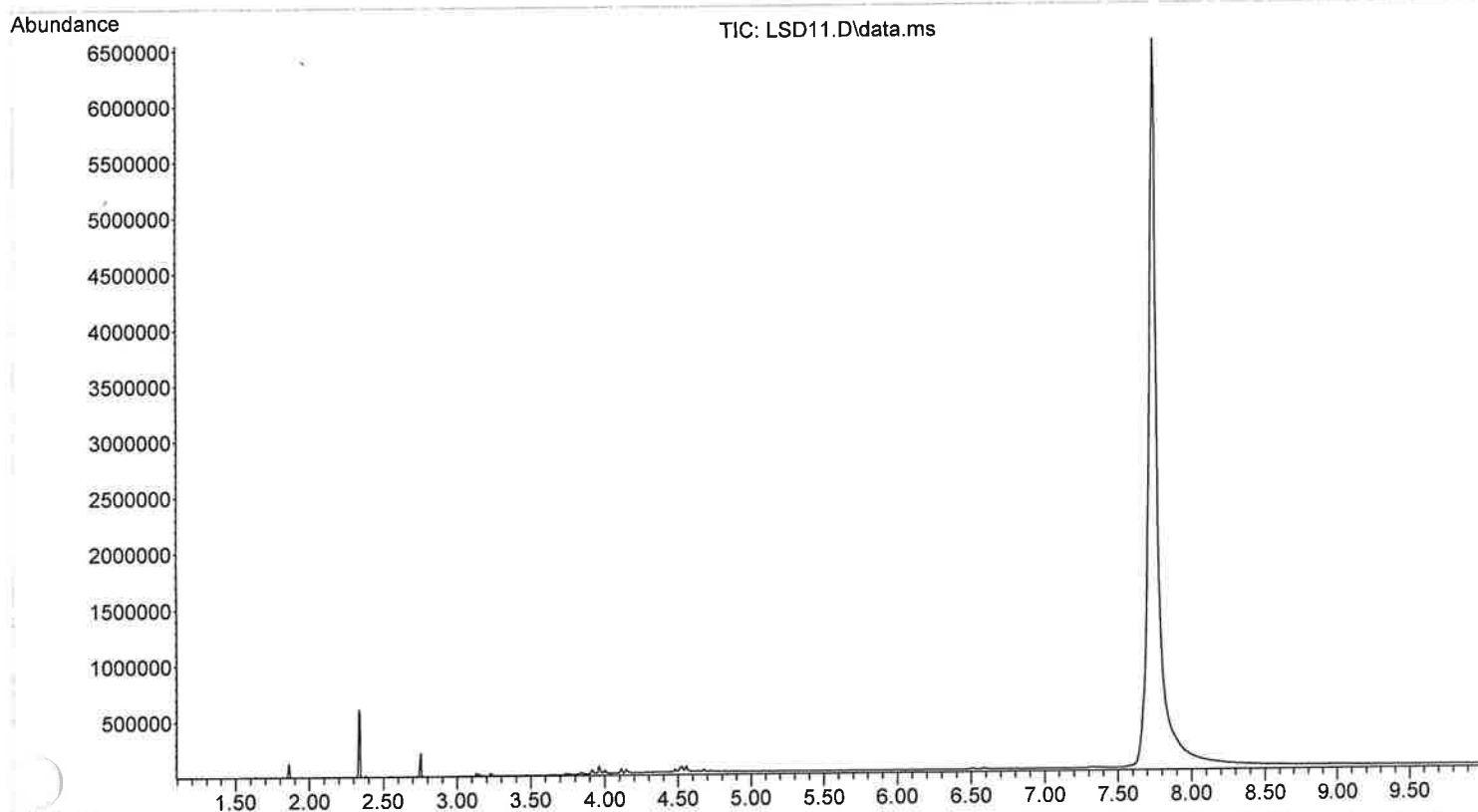
A/H = Area or Height

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

File :X:\2023\GJG\MSB33.D
Operator :
Acquired : 07 Mar 2023 16:26 using AcqMethod PMDRUGS.M
Instrument : Eggroll
Sample Name: MEOH B FOR LSD STANDARD
Misc Info : 100-280
Via Number: 0



File :X:\2023\GJG\LSD11.D
Operator :
Acquired : 07 Mar 2023 16:42 using AcqMethod PMDRUGS.M
Instrument : Eggroll
Sample Name: LSD STANDARD -- 100-280
Misc Info : Cerilliant Lot# FE10161901 Exp: October 2024
Via Number: 0



METHOD CONTROL PARAMETERS

Method Information for: C:\MassHunter\GCMS\1\methods\ASMSDRUGS100.M

Method Sections To Run:

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

Method Comments:

This is an auto sample method 100-280 / 10 minutes.

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	C:\MassHunter\GCMS\1\methods\ASMSDRUGS100.M
Tune file	atune.u
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
Acquisition Type	Scan
Stop time (min)	10.00
Solvent delay (min)	1.00
Trace Ion Detection	False
Gain Factor	1
EM Saver	False
EM Saver Limit	N/A

Scan Time Segments

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

Timed Events

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

Real-Time Plots

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

Self-Cleaning Ion Source Parameters

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

C:\MassHunter\GCMS\1\methods\ASMSDRUGS100.M
Mon Jan 09 16:06:44 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 100 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 6.43 min

Equilibration Time 0.5 min
Temperature 450 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 3
Solvent A Volume 2 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 3
Solvent B Volume 2 µL
Sample Washes 1
Sample Wash Volume 2 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
Injection Type Standard
L1 Airgap 0.2 µL

Solvent Wash Mode	A, B
Back Injector	
Syringe Size	10 µL
Injection Volume	1 µL
Solvent A Washes (PreInj)	2
Solvent A Washes (PostInj)	3
Solvent A Volume	3 µL
Solvent B Washes (PreInj)	2
Solvent B Washes (PostInj)	3
Solvent B Volume	3 µL
Sample Washes	2
Sample Wash Volume	1 µL
Sample Pumps	3
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Solvent Wash Mode	A, B
Sample Overlap Mode	Sample overlap is not enabled
ALS Errors	Pause for user interaction
Front SS Inlet He	
Excluded from Readiness Mode	***Excluded from Affecting GC's Readiness State***
Heater	Split
Pressure	On 250 °C
Total Flow	On 8.5 psi
Septum Purge Flow	On 45.194 mL/min
Gas Saver	On 3 mL/min
Split Ratio	Off
Split Flow	50 :1
Liner	41.367 mL/min
	A Liner has not been selected.
Back SS Inlet He	
Excluded from Readiness Mode	***Excluded from Affecting GC's Readiness State***
Heater	Split
Pressure	On 250 °C
Total Flow	On 8.5 psi
Septum Purge Flow	On 141.9 mL/min
Gas Saver	On 3 mL/min
Split Ratio	Off
Split Flow	50 :1
Liner	136.18 mL/min
	A Liner has not been selected.
Thermal Aux 2 (MSD Transfer Line)	
Temperature	
Setpoint	On
(Initial)	280 °C
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Column	

Column #1	
Flow	On
Setpoint	0.82733 mL/min
(Initial)	3.5062 mL/min
Post Run	
Column Information	19091S-602
HP-1MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm (Calibrated)
In	Front SS Inlet He
Out	MSD
(Initial)	100 °C
Pressure	8.5 psi
Flow	0.82733 mL/min
Average Velocity	52.55 cm/sec
Holdup Time	0.39644 min
Control Mode	Constant Flow
Column #2	
Pressure	
Setpoint	On
(Initial)	8.5 psi
Post Run	10 psi
Column Information	19091S-913
HP-1MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	15 m x 320 µm x 0.25 µm (Calibrated)
In	Back SS Inlet He
Out	Other
(Initial)	100 °C
Pressure	8.5 psi
Flow	2.7236 mL/min
Average Velocity	54.059 cm/sec
Holdup Time	0.46246 min
Control Mode	Constant Pressure
Column Outlet Pressure	0 psi
Front Detector FID	
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Makeup	He
Heater	On 300 °C
H2 Flow	Off
Air Flow	Off
Makeup Flow	Off
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	Off
Signals	
Signal #1: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	Off
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #2: Test Plot	
Description	Test Plot
Save	Off
Data Rate	50 Hz
Dual Injection Assignment	Front Sample

Signal #3: Test Plot
Description
Save
Data Rate
Dual Injection Assignment

Test Plot
Off
50 Hz
Back Sample

Signal #4: Test Plot
Description
Save
Data Rate
Dual Injection Assignment

Test Plot
Off
50 Hz
Back Sample

TUNE PARAMETERS for SN: US61633037

Trace Ion Detection is OFF.

34.610 : EMISSION
70.347 : ENERGY
34.961 : REPELLER
88.259 : IONFOCUS
25.500 : ENTRANCE_LENS
1435.294 : EMVOLTS

1635.294 : Actual EMV
1.02 : GAIN FACTOR

2126.000 : AMUGAIN
120.563 : AMUOFFSET
1.000 : FILAMENT
0.000 : DCPOLARITY
18.824 : ENTLENSOFFSET
-575.000 : MASSGAIN
34.000 : MASSOFFSET

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

Method Path : C:\MassHunter\GCMS\1\methods\

Method File : ASMSDRUGS100.M

Title :

Update :

Response Via : Initial Calibration

Total Cpnds : 0

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

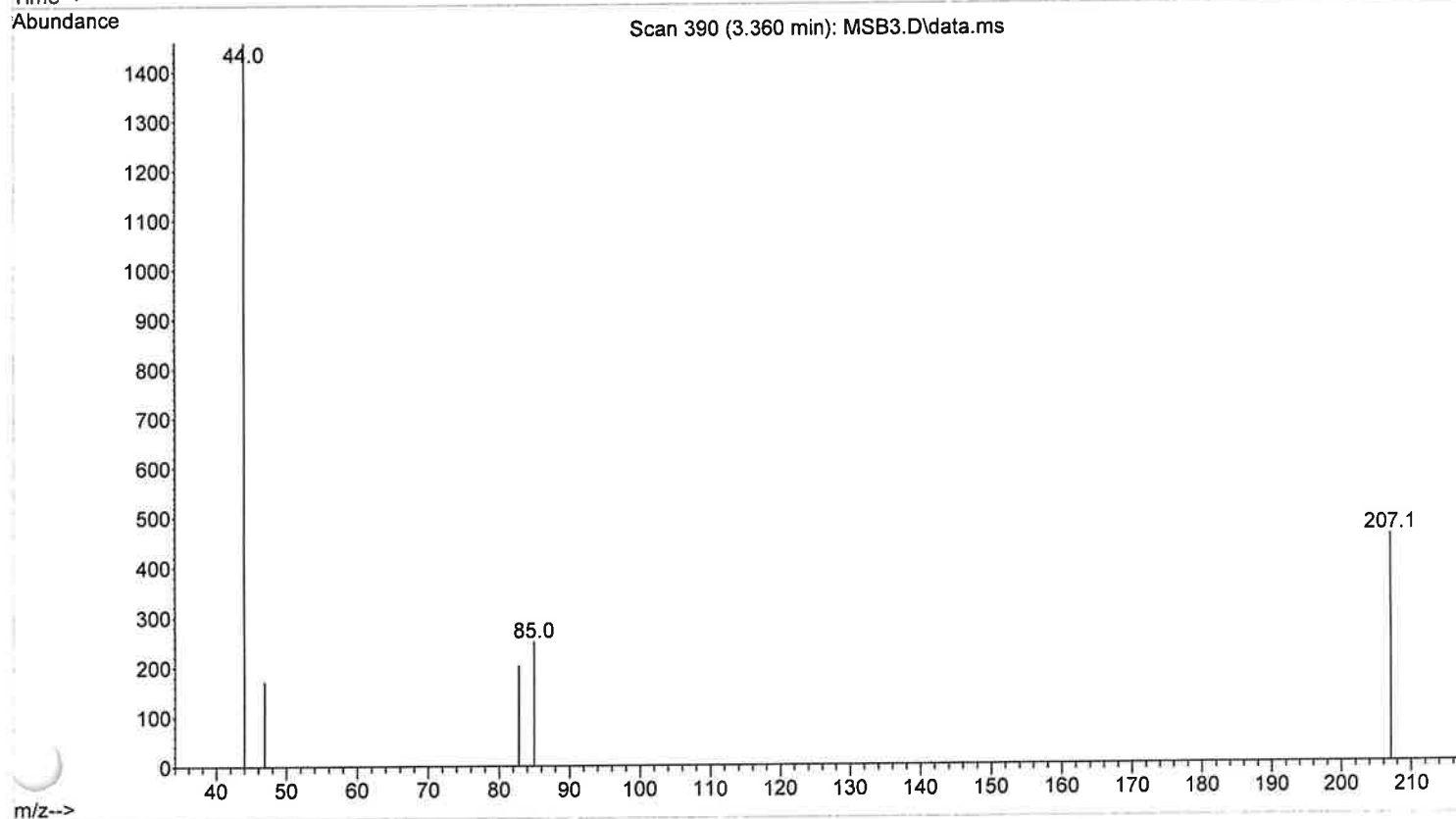
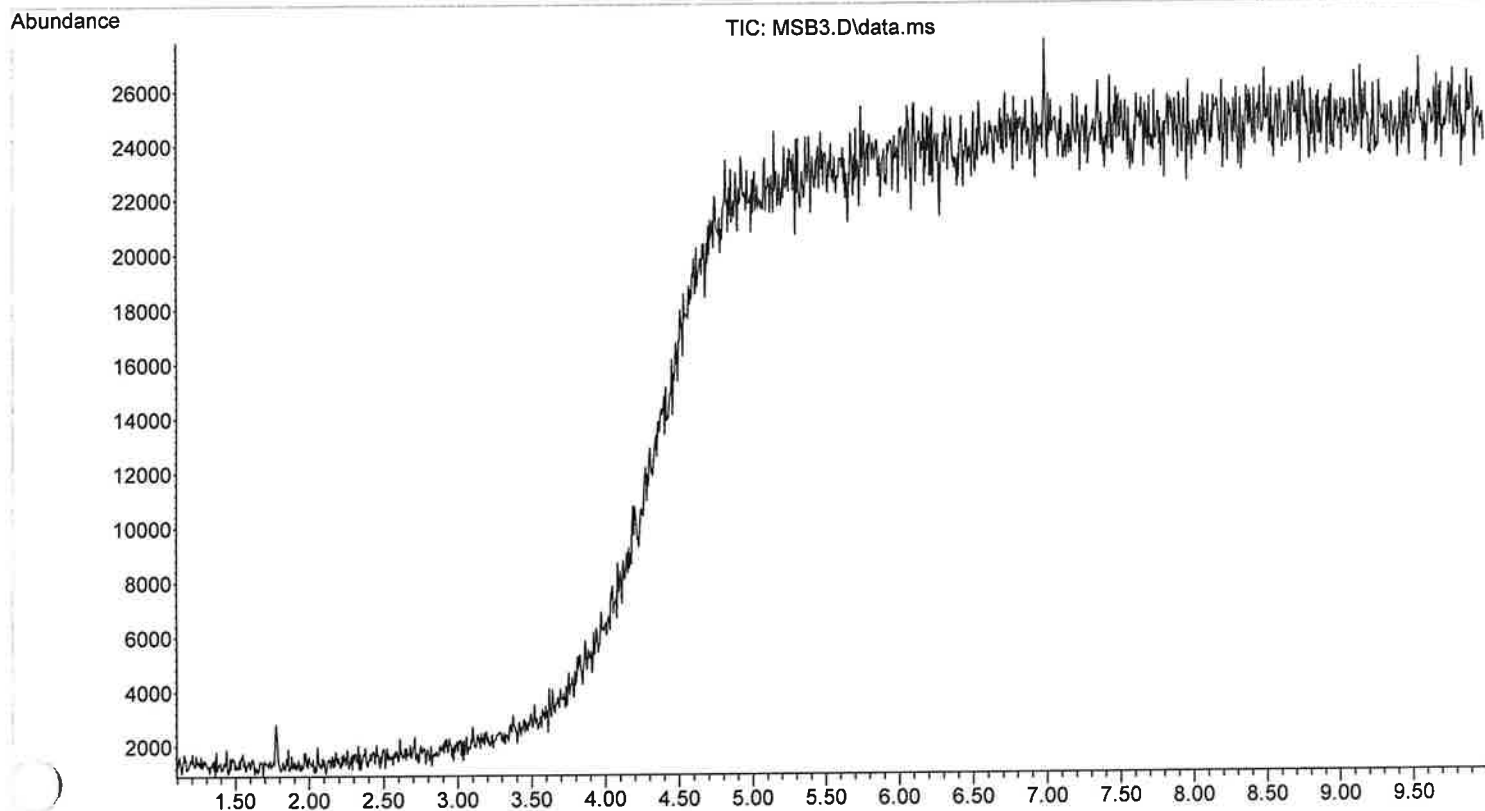
Cal A = Average L = Linear LO = Linear w/origin Q = Quad Q0 = Quad w/origin

#Qual = number of qualifiers

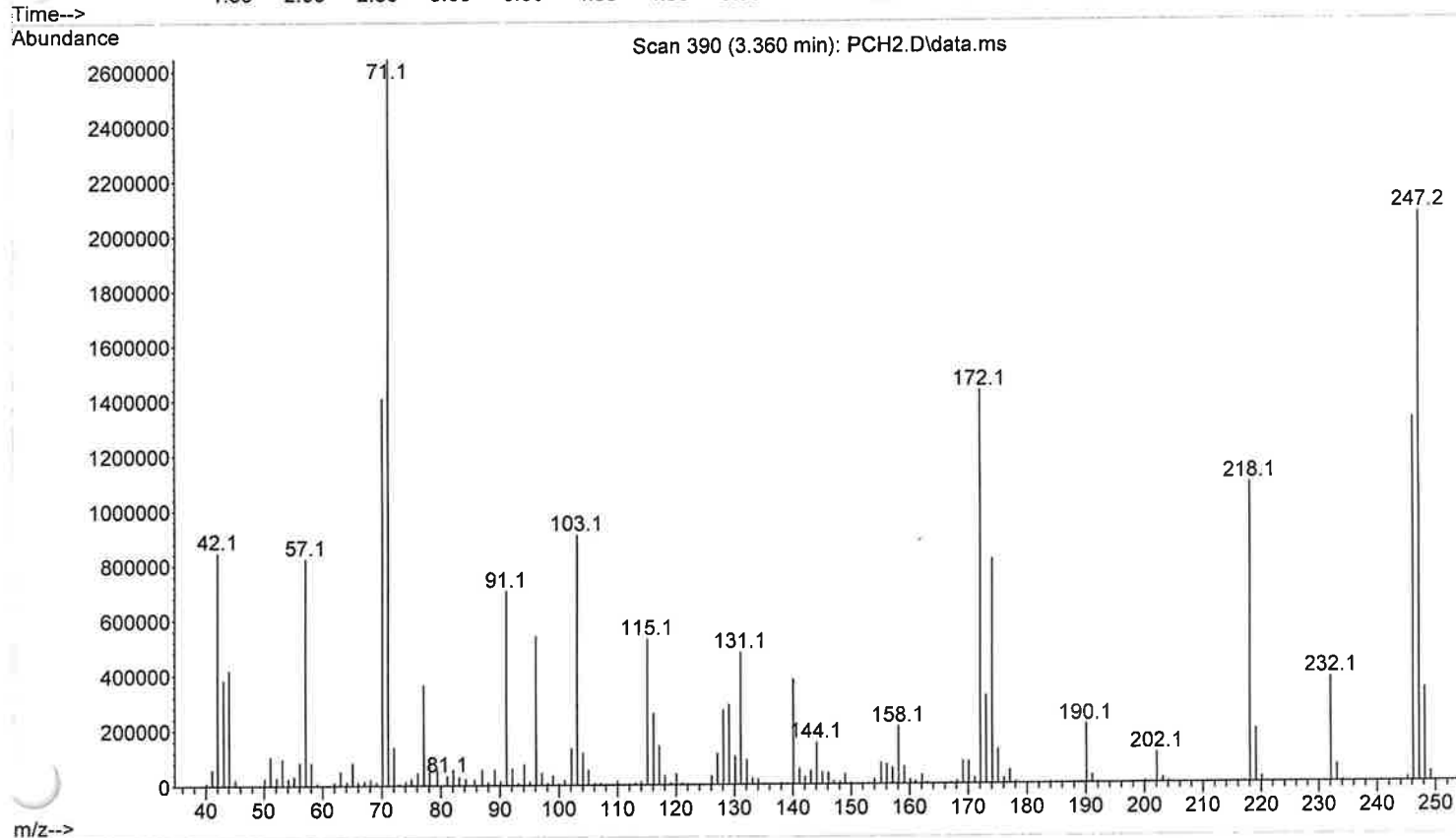
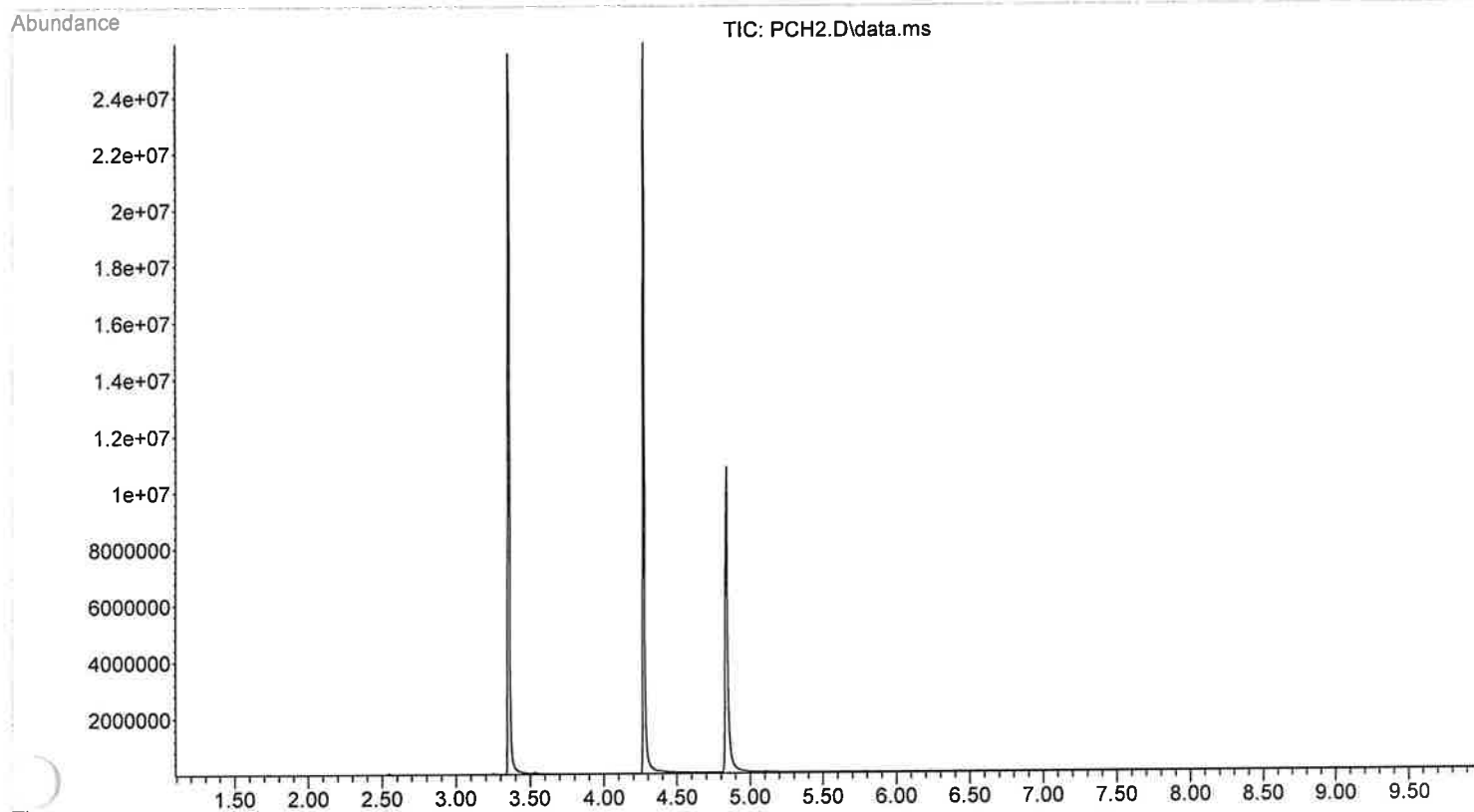
A/H = Area or Height

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

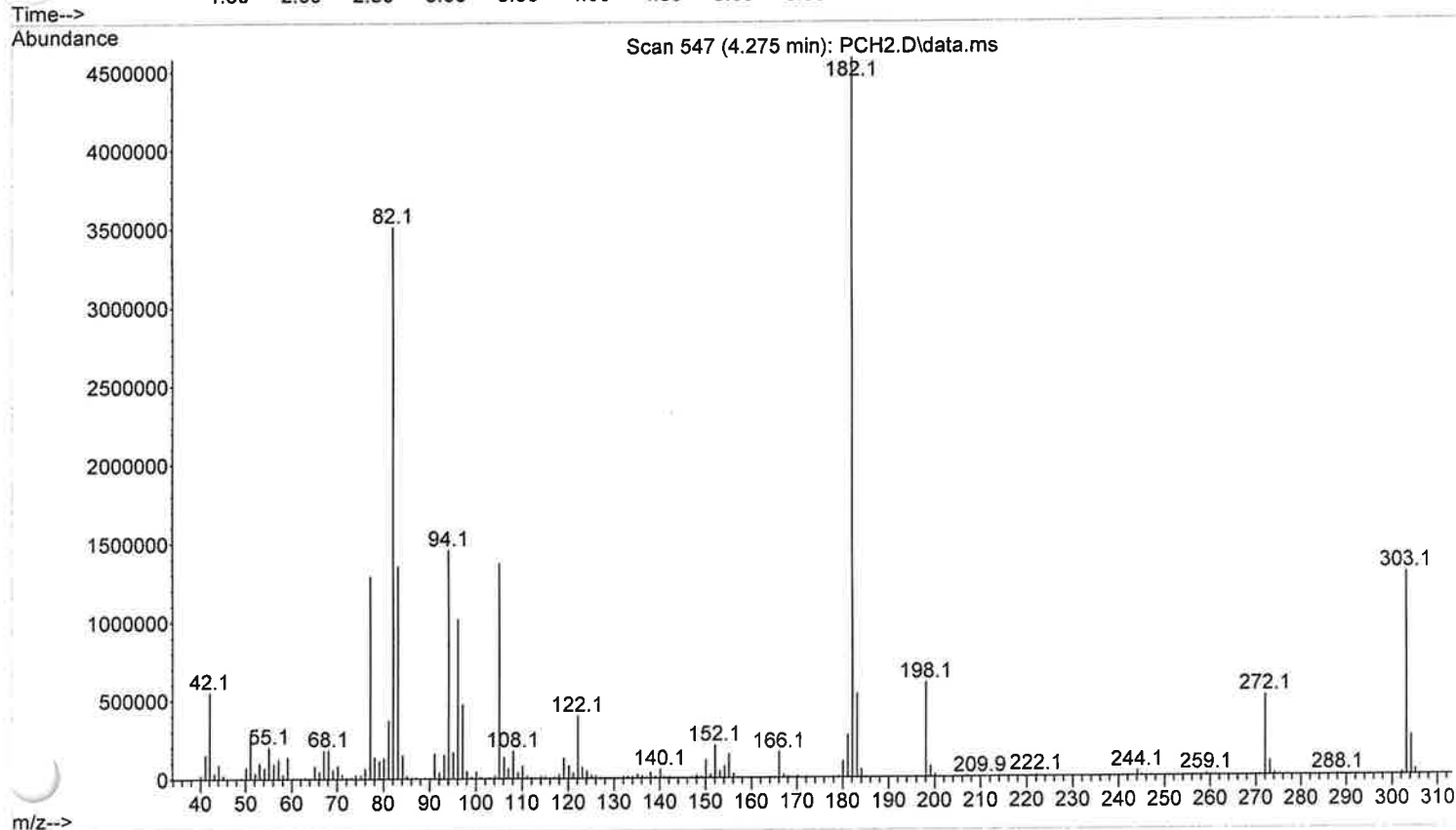
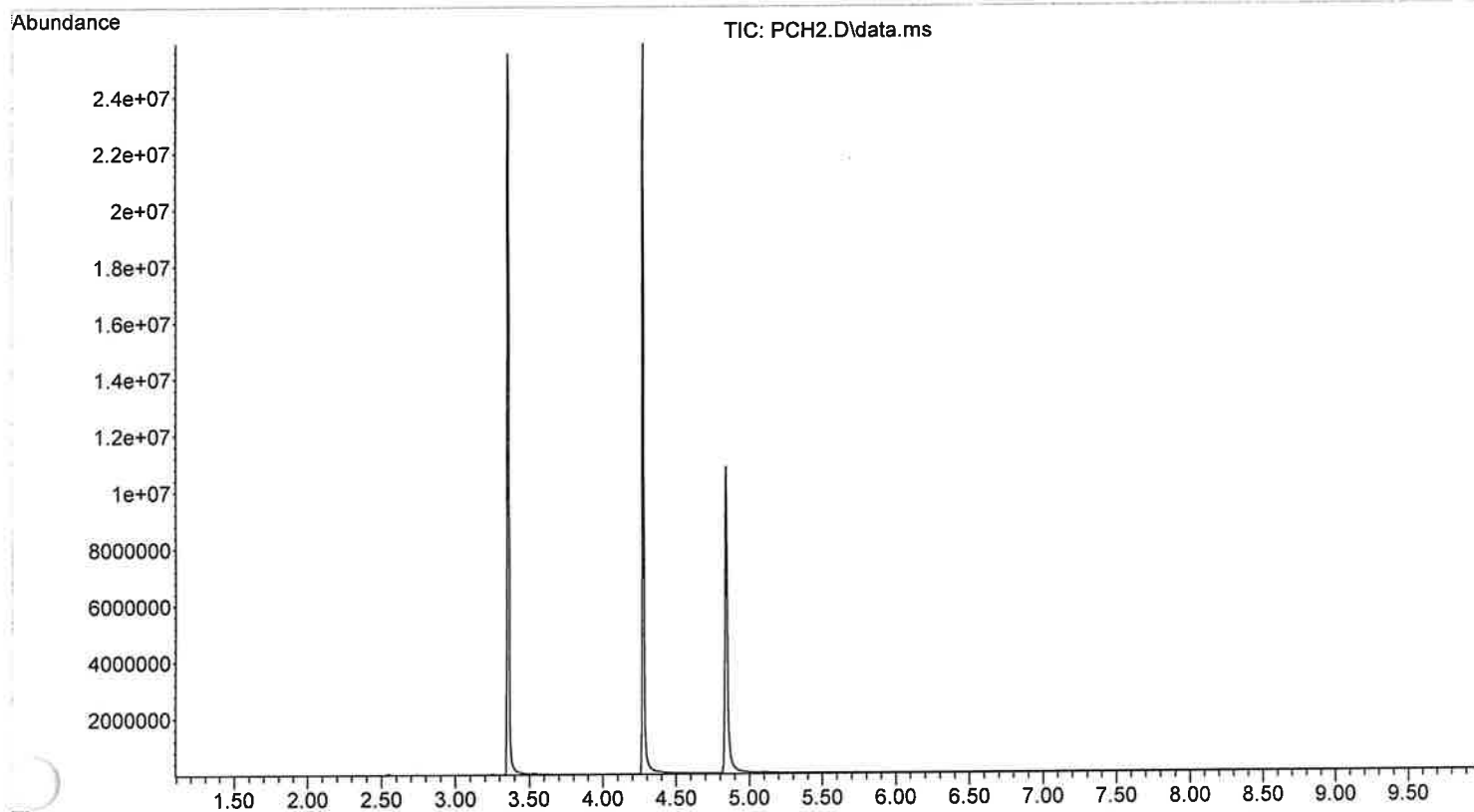
File :X:\2023\GJG\1-30-23\MSB3.D
Operator :
Acquired : 30 Jan 2023 12:26 using AcqMethod ASMSDRUGS100.M
Instrument : Eggroll
Sample Name: MEOH B FOR CALIBRATION STANDARD MIX
Misc Info : 100-280
Vial Number: 2



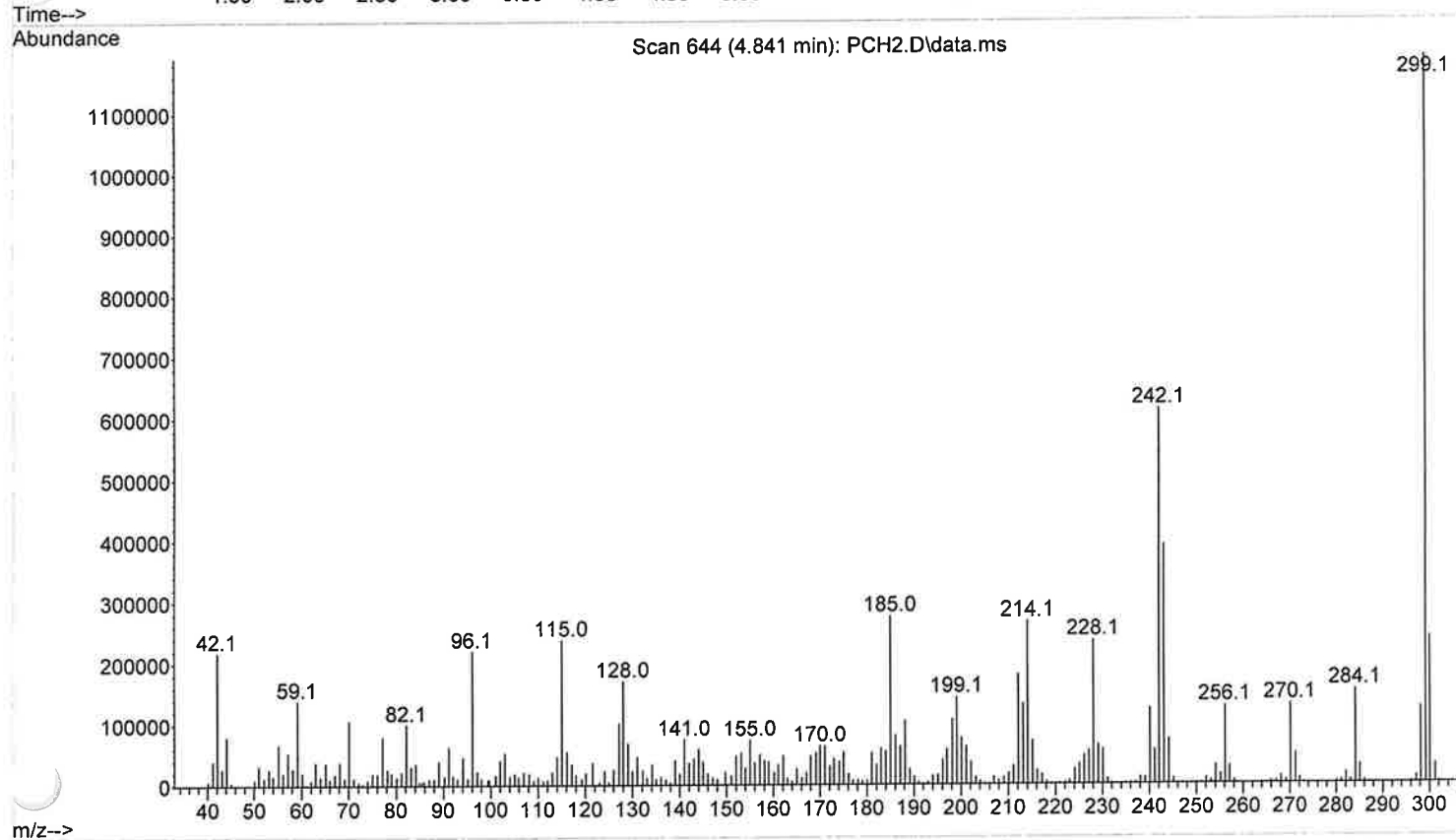
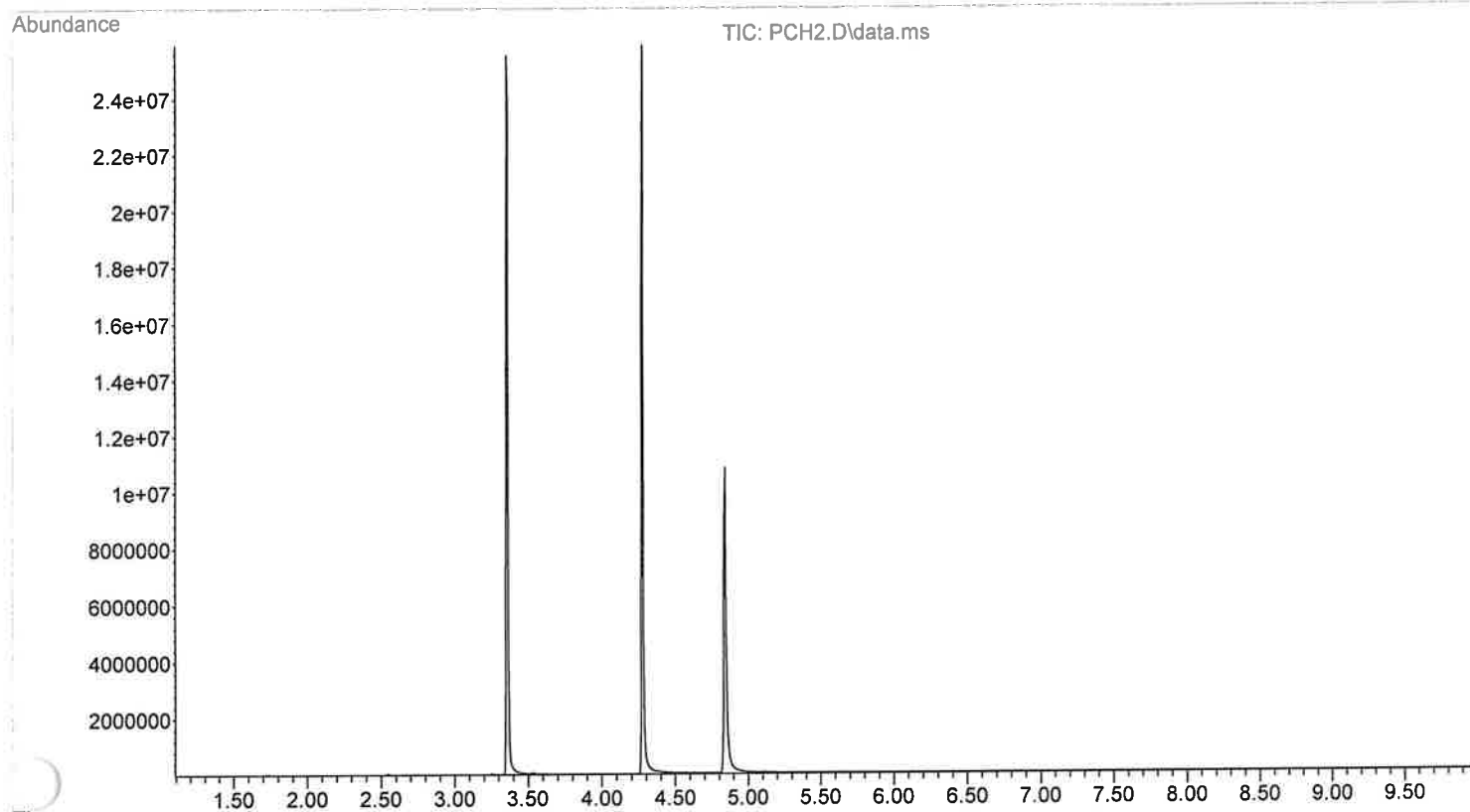
File :X:\2023\GJG\1-30-23\PCH2.D
Operator :
Acquired : 30 Jan 2023 12:39 using AcqMethod ASMSDRUGS100.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD MIX -- 100-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 3



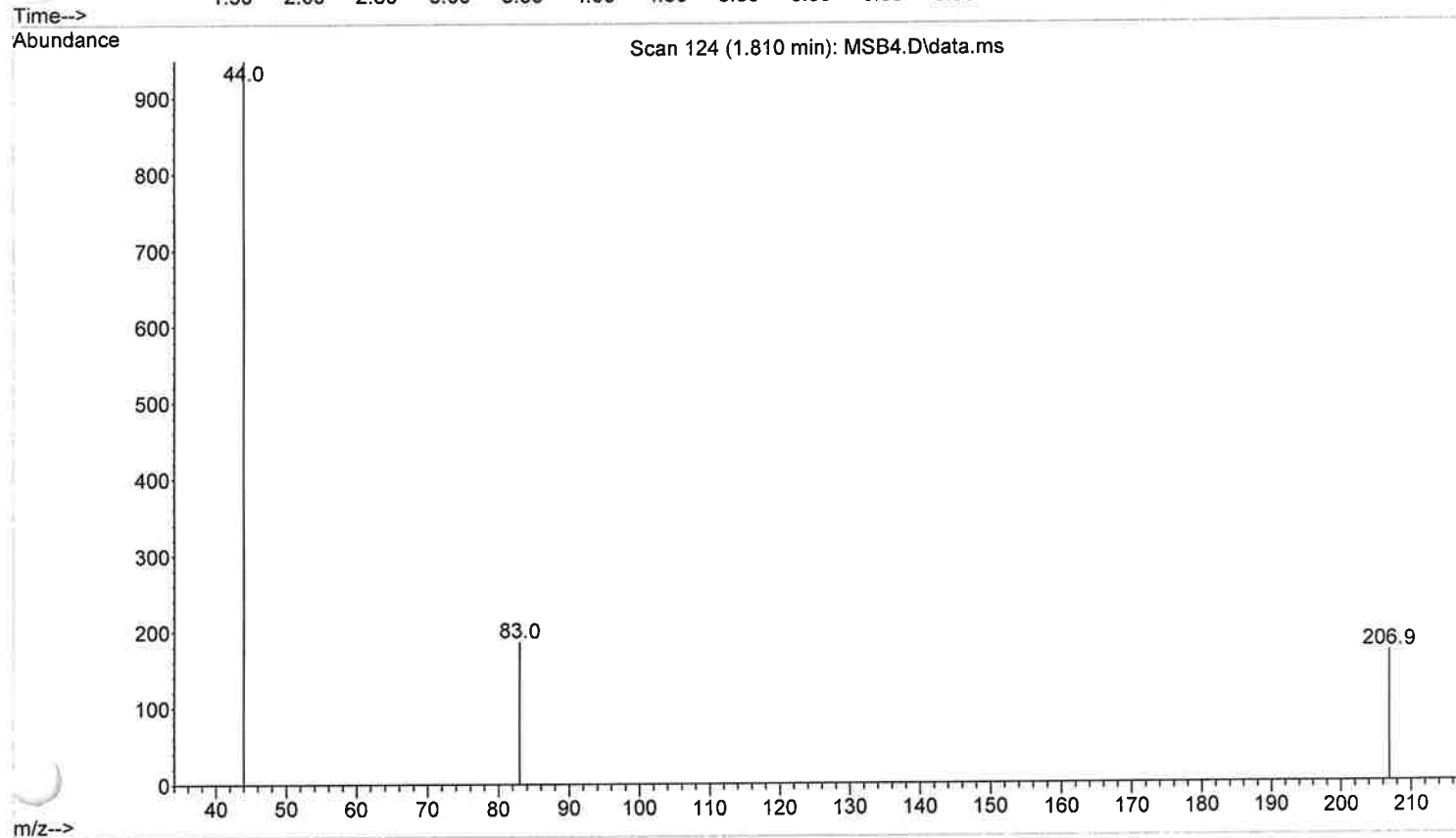
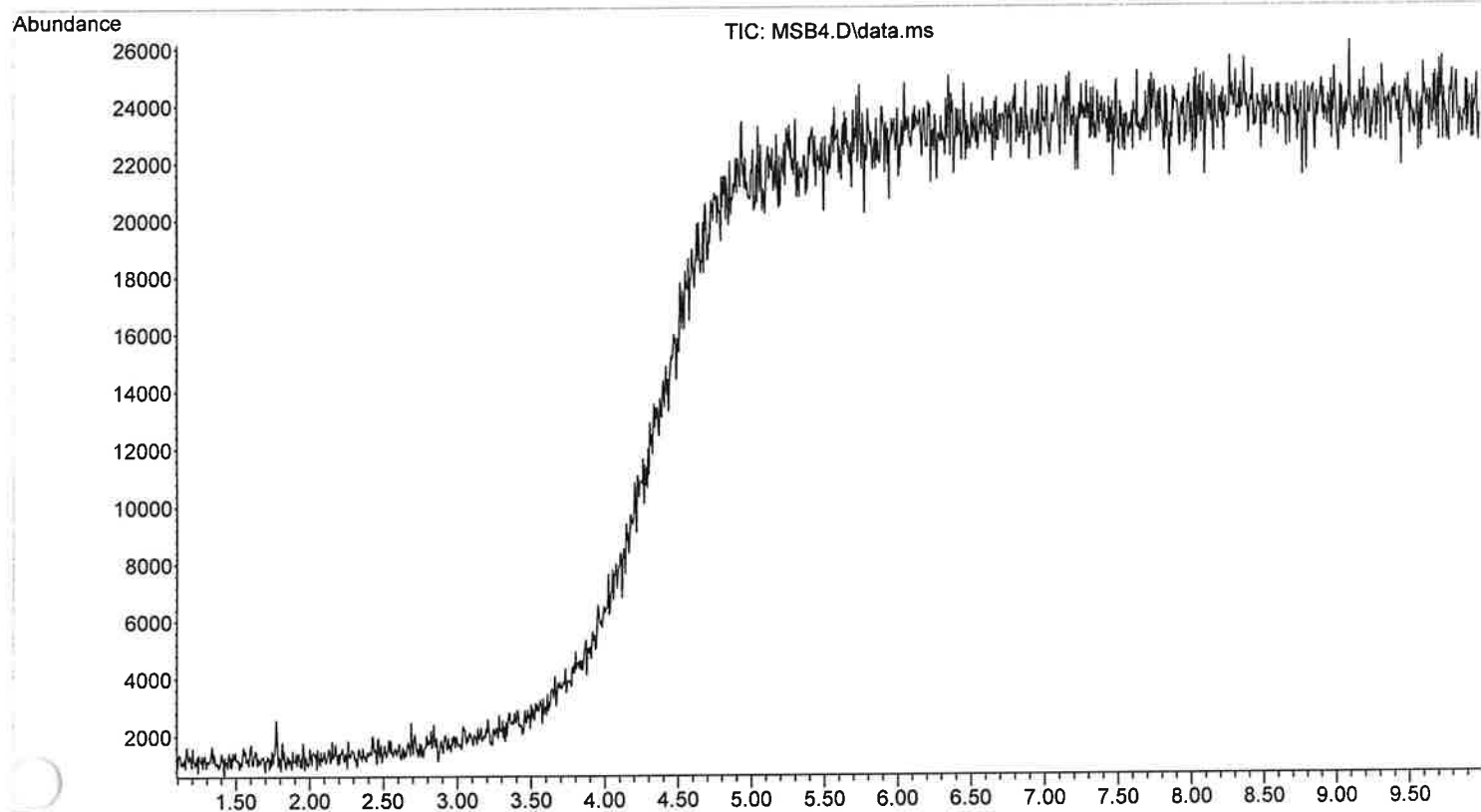
File :X:\2023\GJG\1-30-23\PCH2.D
Operator :
Acquired : 30 Jan 2023 12:39 using AcqMethod ASMSDRUGS100.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD MIX -- 100-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 3



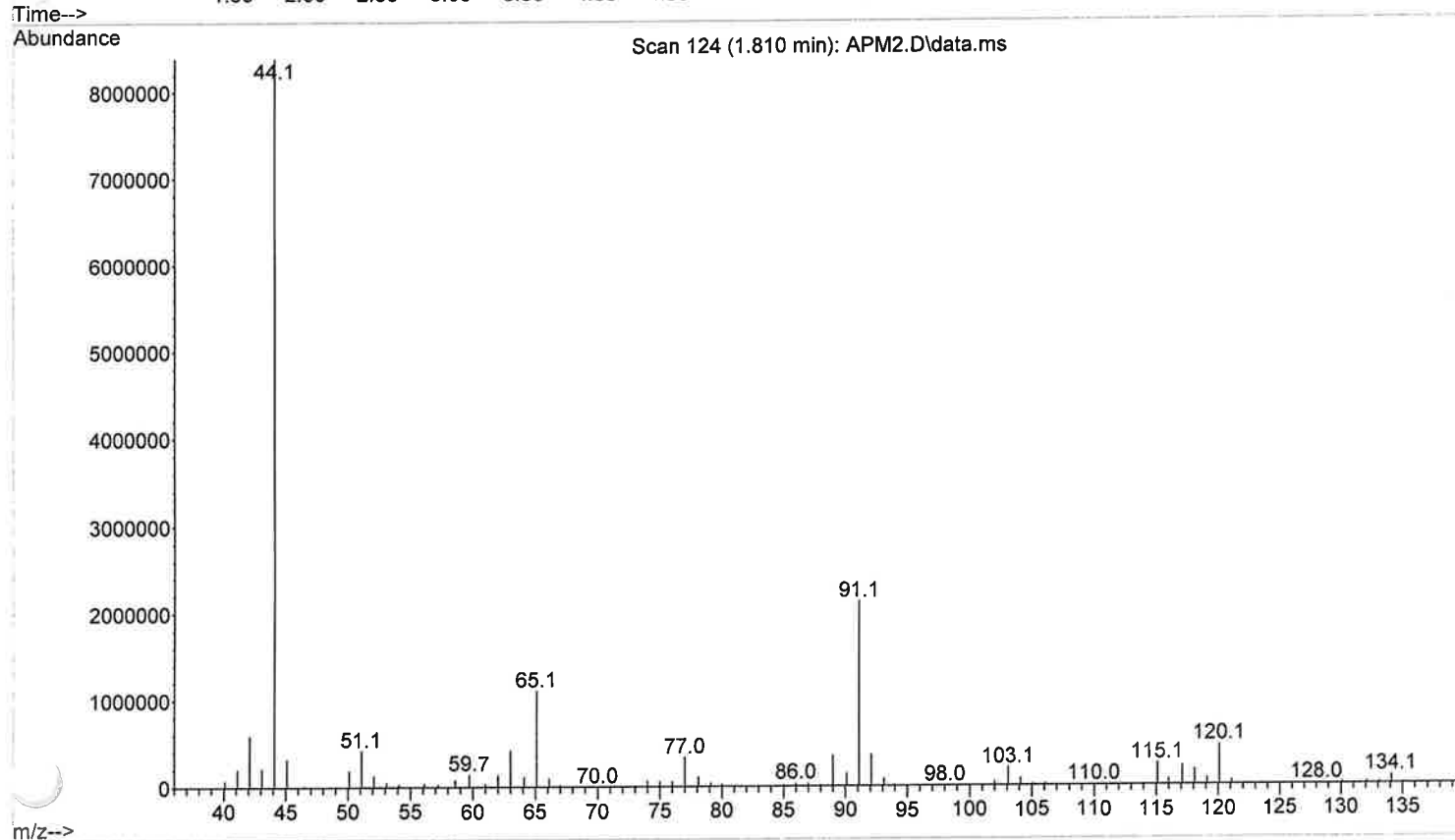
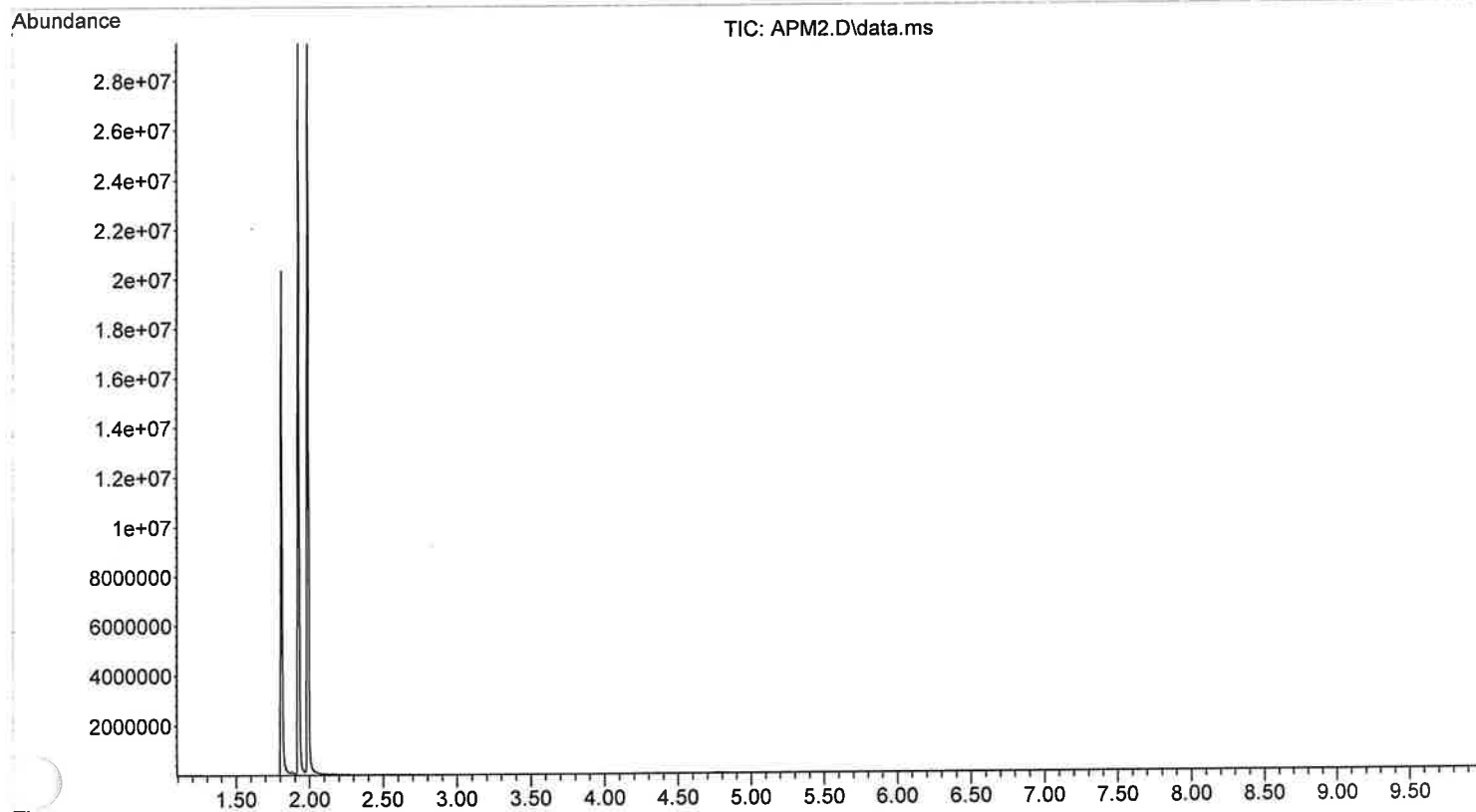
File :X:\2023\GJG\1-30-23\PCH2.D
Operator :
Acquired : 30 Jan 2023 12:39 using AcqMethod ASMSDRUGS100.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD MIX -- 100-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 3



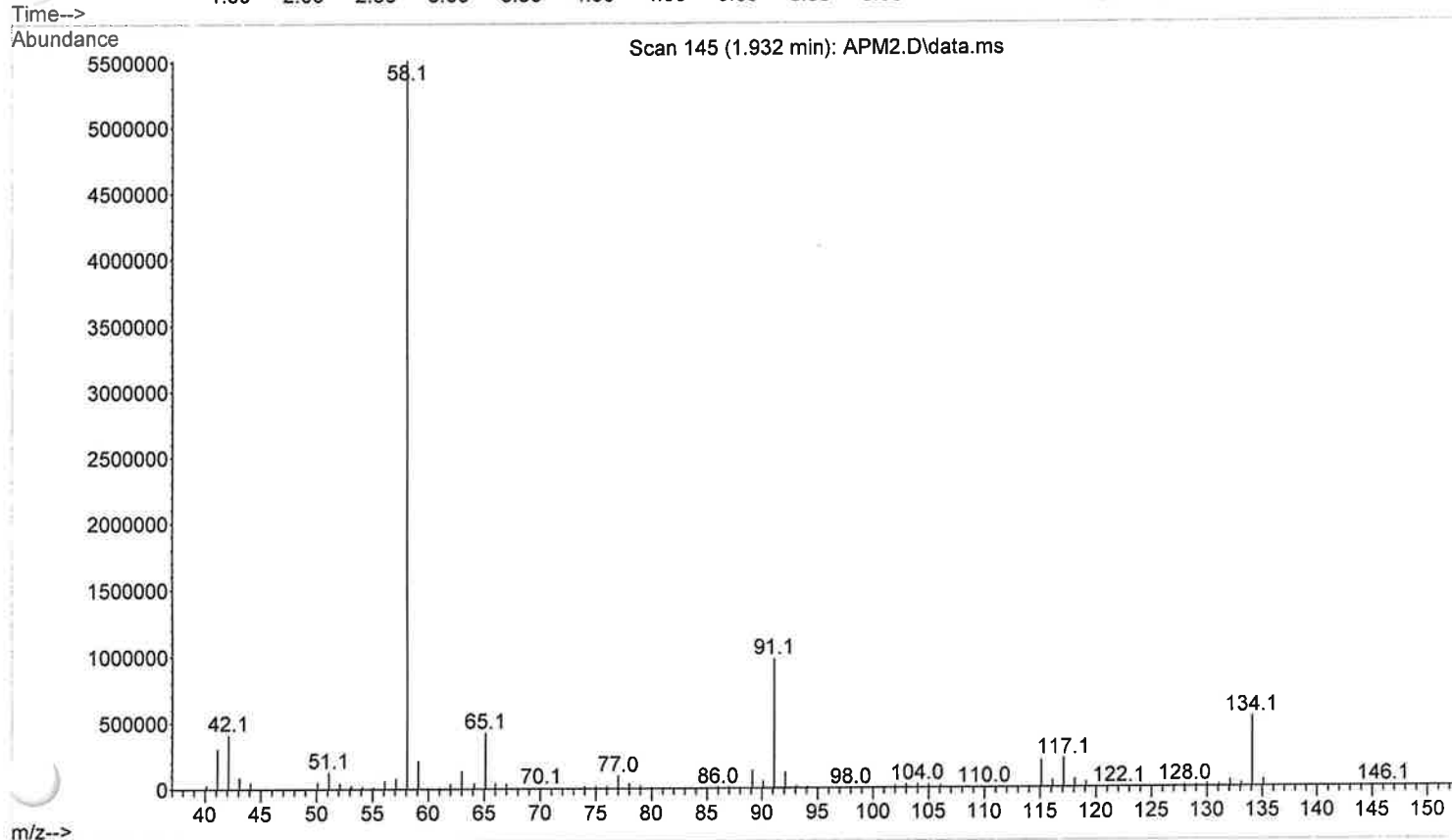
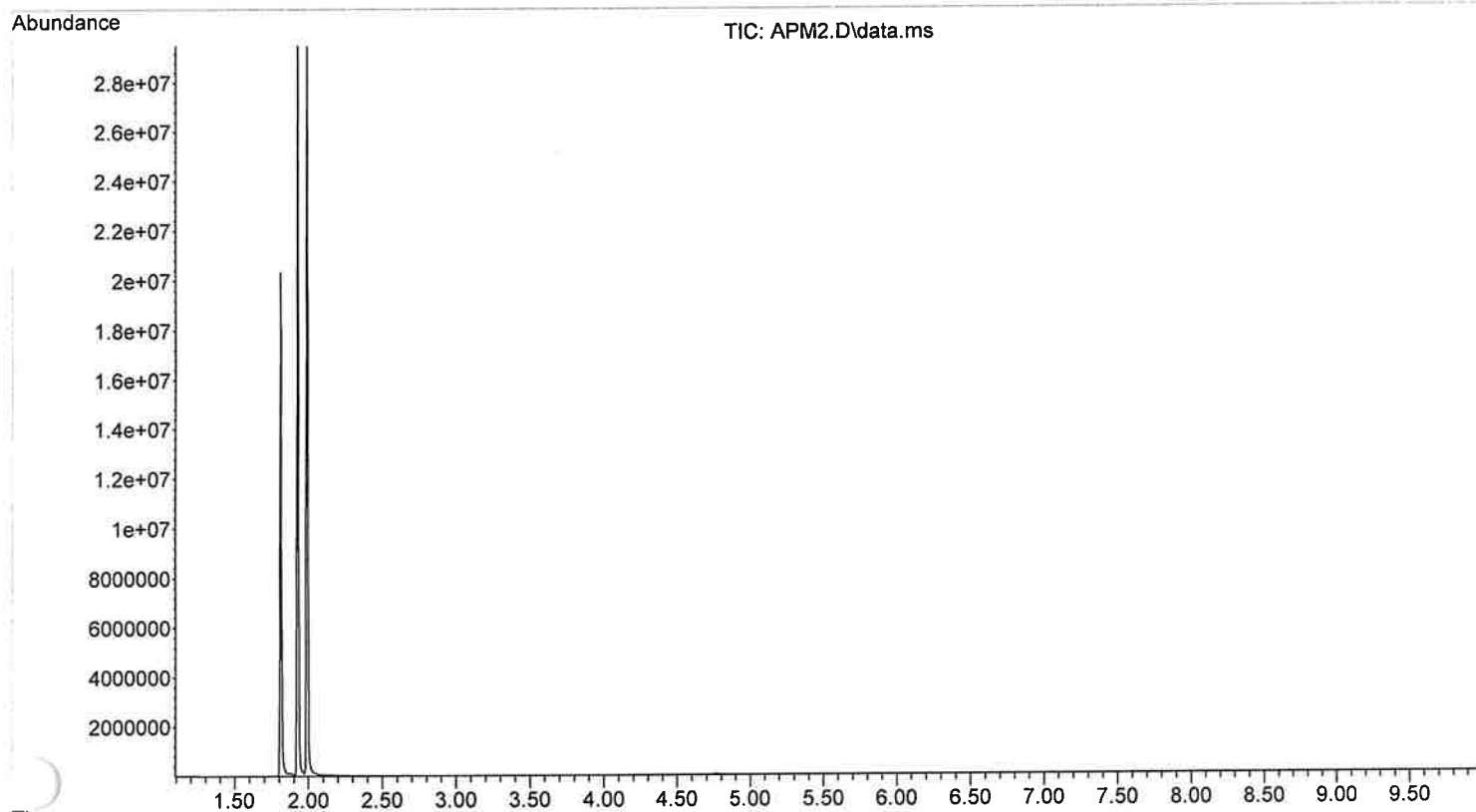
File :X:\2023\GJG\1-30-23\MSB4.D
Operator :
Acquired : 30 Jan 2023 13:00 using AcqMethod ASMSDRUGS100.M
Instrument : Eggroll
Sample Name: MEOH B FOR GC/IR TEST SOLUTION
Misc Info : 100-280
Vial Number: 2



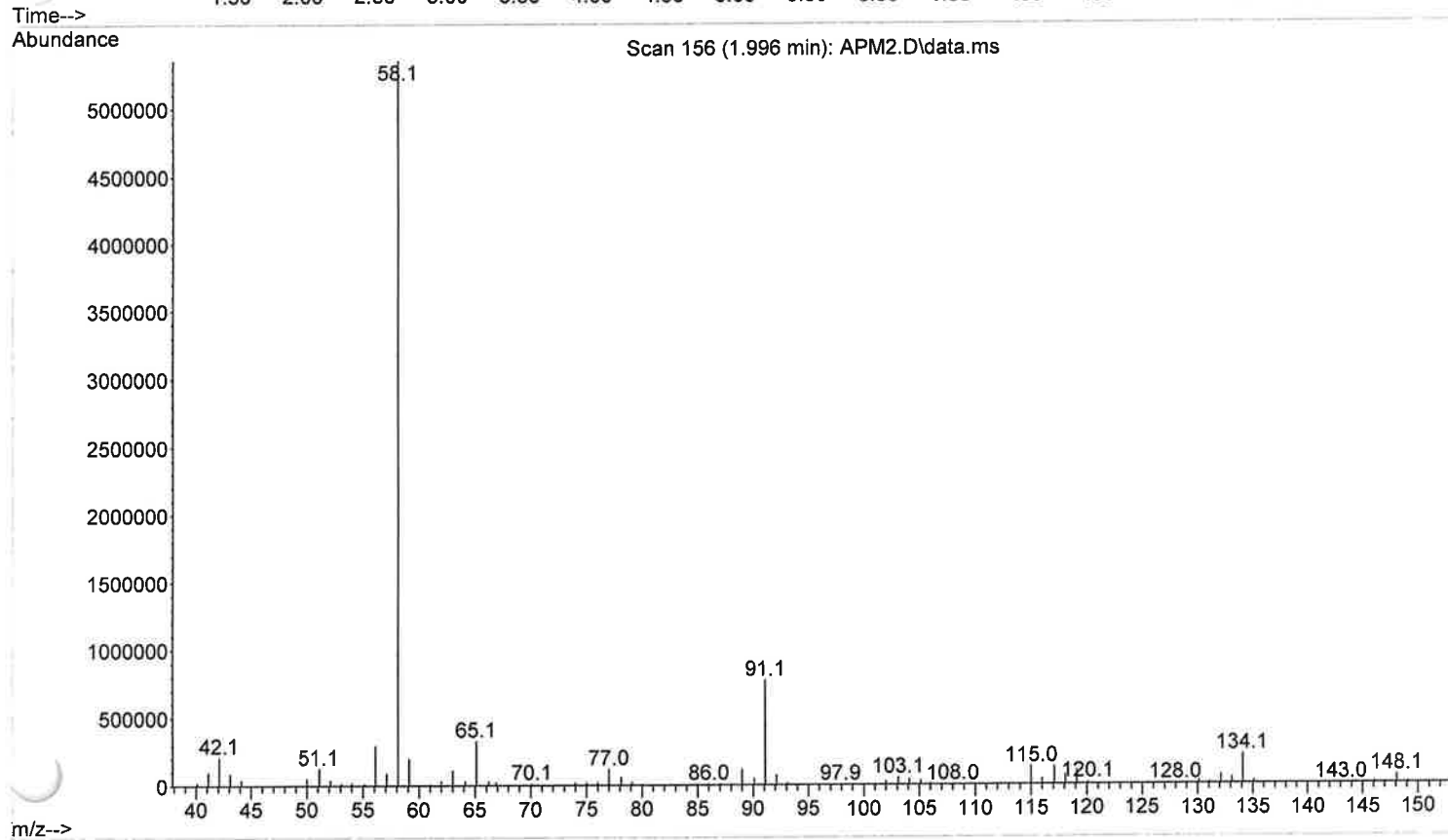
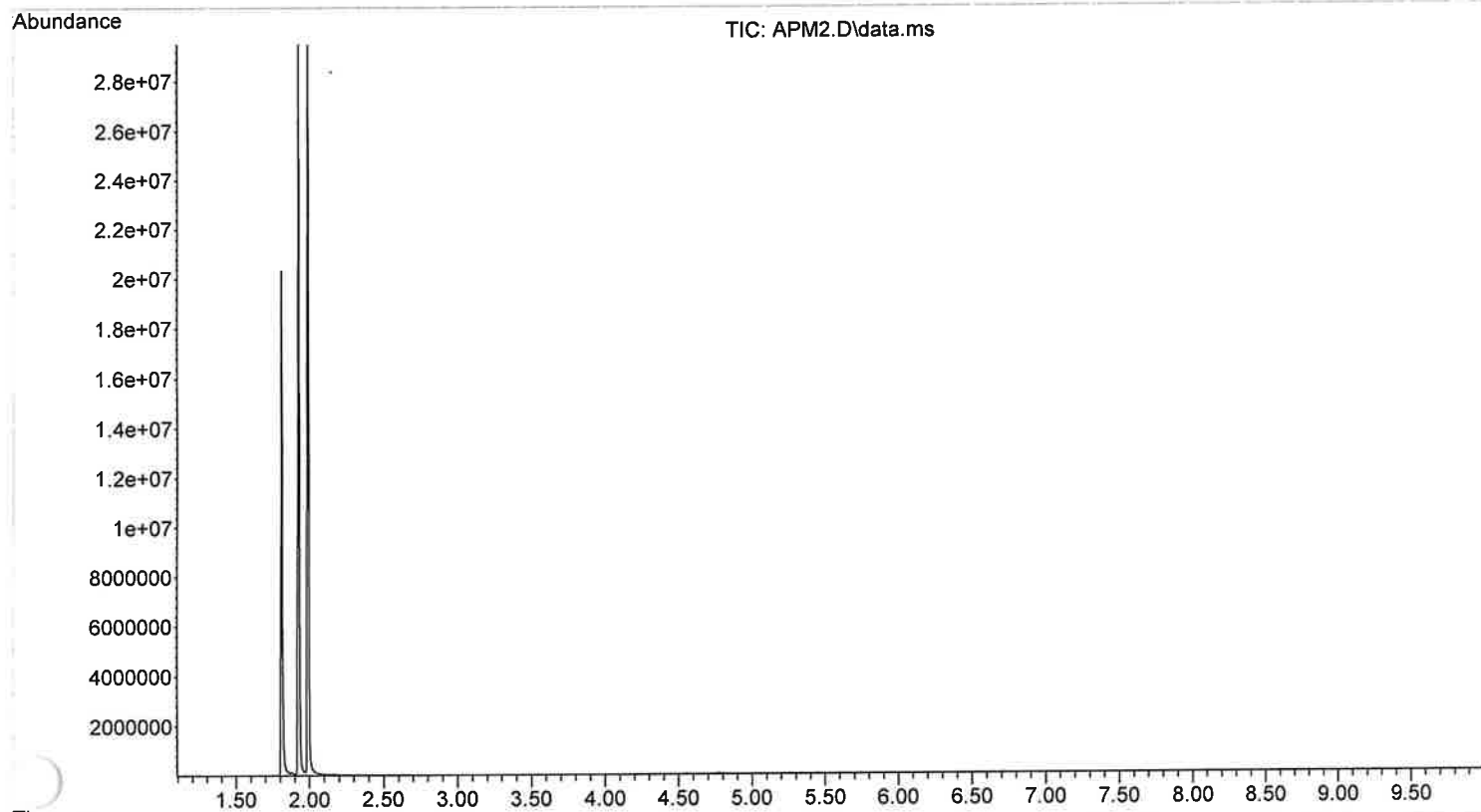
File :X:\2023\GJG\1-30-23\APM2.D
Operator :
Acquired : 30 Jan 2023 13:13 using AcqMethod ASMSDRUGS100.M
Instrument : Eggroll
Sample Name: GC/IR TEST SOLUTION -- 100-280
Misc Info : AMPHETAMINE / PHENTERMINE / METHAMPHETAMINE
Vial Number: 4



File :X:\2023\GJG\1-30-23\APM2.D
Operator :
Acquired : 30 Jan 2023 13:13 using AcqMethod ASMSDRUGS100.M
Instrument : Eggroll
Sample Name: GC/IR TEST SOLUTION -- 100-280
Misc Info : AMPHETAMINE / PHENTERMINE / METHAMPHETAMINE
Vial Number: 4



File :X:\2023\GJG\1-30-23\APM2.D
Operator :
Acquired : 30 Jan 2023 13:13 using AcqMethod ASMSDRUGS100.M
Instrument : Eggroll
Sample Name: GC/IR TEST SOLUTION -- 100-280
Misc Info : AMPHETAMINE / PHENTERMINE / METHAMPHETAMINE
Vial Number: 4



METHOD CONTROL PARAMETERS

Method Information for: C:\MassHunter\GCMS\1\methods\ASMSDRUGS200.M

Method Sections To Run:

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

Method Comments:

This is an auto sample method 200-280 / 10 minutes.

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	C:\MassHunter\GCMS\1\methods\ASMSDRUGS200.M
Tune file	atune.u
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
Acquisition Type	Scan
Stop time (min)	10.00
Solvent delay (min)	1.00
Trace Ion Detection	False
Gain Factor	1
EM Saver	False
EM Saver Limit	N/A

Scan Time Segments

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

Timed Events

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

Real-Time Plots

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

Self-Cleaning Ion Source Parameters

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

C:\MassHunter\GCMS\1\methods\ASMSDRUGS200.M
Fri Jan 13 14:11:39 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 100 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 7.86 min

Equilibration Time 0.5 min
Temperature 450 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 3
Solvent A Volume 3 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 3
Solvent B Volume 3 µL
Sample Washes 1
Sample Wash Volume 2 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
Injection Type Standard
L1 Airgap 0.2 µL

Solvent Wash Mode	A, B
Back Injector	
Syringe Size	10 µL
Injection Volume	1 µL
Solvent A Washes (PreInj)	2
Solvent A Washes (PostInj)	3
Solvent A Volume	3 µL
Solvent B Washes (PreInj)	2
Solvent B Washes (PostInj)	3
Solvent B Volume	3 µL
Sample Washes	2
Sample Wash Volume	1 µL
Sample Pumps	3
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Solvent Wash Mode	A, B
Sample Overlap Mode	Sample overlap is not enabled
ALS Errors	Pause for user interaction
Front SS Inlet He	
Excluded from Readiness Mode	***Excluded from Affecting GC's Readiness State***
Heater	Split
Pressure	On 250 °C
Total Flow	On 13.5 psi
Septum Purge Flow	On 44.838 mL/min
Gas Saver	On 3 mL/min
Split Ratio	Off
Split Flow	50 :1
Liner	41.017 mL/min
	A Liner has not been selected.
Back SS Inlet He	
Excluded from Readiness Mode	***Excluded from Affecting GC's Readiness State***
Heater	Split
Pressure	On 250 °C
Total Flow	On 8.5 psi
Septum Purge Flow	On 96.214 mL/min
Gas Saver	On 3 mL/min
Split Ratio	Off
Split Flow	50 :1
Liner	91.387 mL/min
	A Liner has not been selected.
Thermal Aux 2 (MSD Transfer Line)	
Temperature	
Setpoint	On
(Initial)	280 °C
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Column	

Column #1	
Flow	On
Setpoint	0.82034 mL/min
(Initial)	3.5062 mL/min
Post Run	
Column Information	19091S-602
HP-1MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm (Calibrated)
In	Front SS Inlet He
Out	MSD
(Initial)	200 °C
Pressure	13.5 psi
Flow	0.82034 mL/min
Average Velocity	54.354 cm/sec
Holdup Time	0.38329 min
Control Mode	Constant Flow
Column #2	
Pressure	On
Setpoint	8.5 psi
(Initial)	10 psi
Post Run	
Column Information	19091S-913
HP-1MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	15 m x 320 µm x 0.25 µm (Calibrated)
In	Back SS Inlet He
Out	Other
(Initial)	200 °C
Pressure	8.5 psi
Flow	1.8277 mL/min
Average Velocity	45.999 cm/sec
Holdup Time	0.54349 min
Control Mode	Constant Pressure
Column Outlet Pressure	0 psi
Front Detector FID	
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Makeup	He
Heater	On 300 °C
H2 Flow	Off
Air Flow	Off
Makeup Flow	Off
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	50 Hz
Dual Injection Assignment	Front Sample
Signal #2: Test Plot	
Description	Test Plot
Save	Off
Data Rate	50 Hz
Dual Injection Assignment	Front Sample

Signal #3: Test Plot
Description
Save
Data Rate
Dual Injection Assignment

Test Plot
Off
50 Hz
Back Sample

Signal #4: Test Plot
Description
Save
Data Rate
Dual Injection Assignment

Test Plot
Off
50 Hz
Back Sample

TUNE PARAMETERS for SN: US61633037

Trace Ion Detection is OFF.

34.610 : EMISSION
70.347 : ENERGY
34.961 : REPELLER
83.514 : IONFOCUS
28.500 : ENTRANCE LENS
1470.588 : EMVOLTS

1470.588 : Actual EMV
0.28 : GAIN FACTOR

2128.000 : AMUGAIN
120.250 : AMUOFFSET
1.000 : FILAMENT
0.000 : DCPOLARITY
16.565 : ENLENDOFFSET
-575.000 : MASSGAIN
35.000 : MASSOFFSET

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

Method Path : C:\MassHunter\GCMS\1\methods\

Method File : ASMSDRUGS200.M

Title :

Update :

Response Via : Initial Calibration

Total Cpnds : 0

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

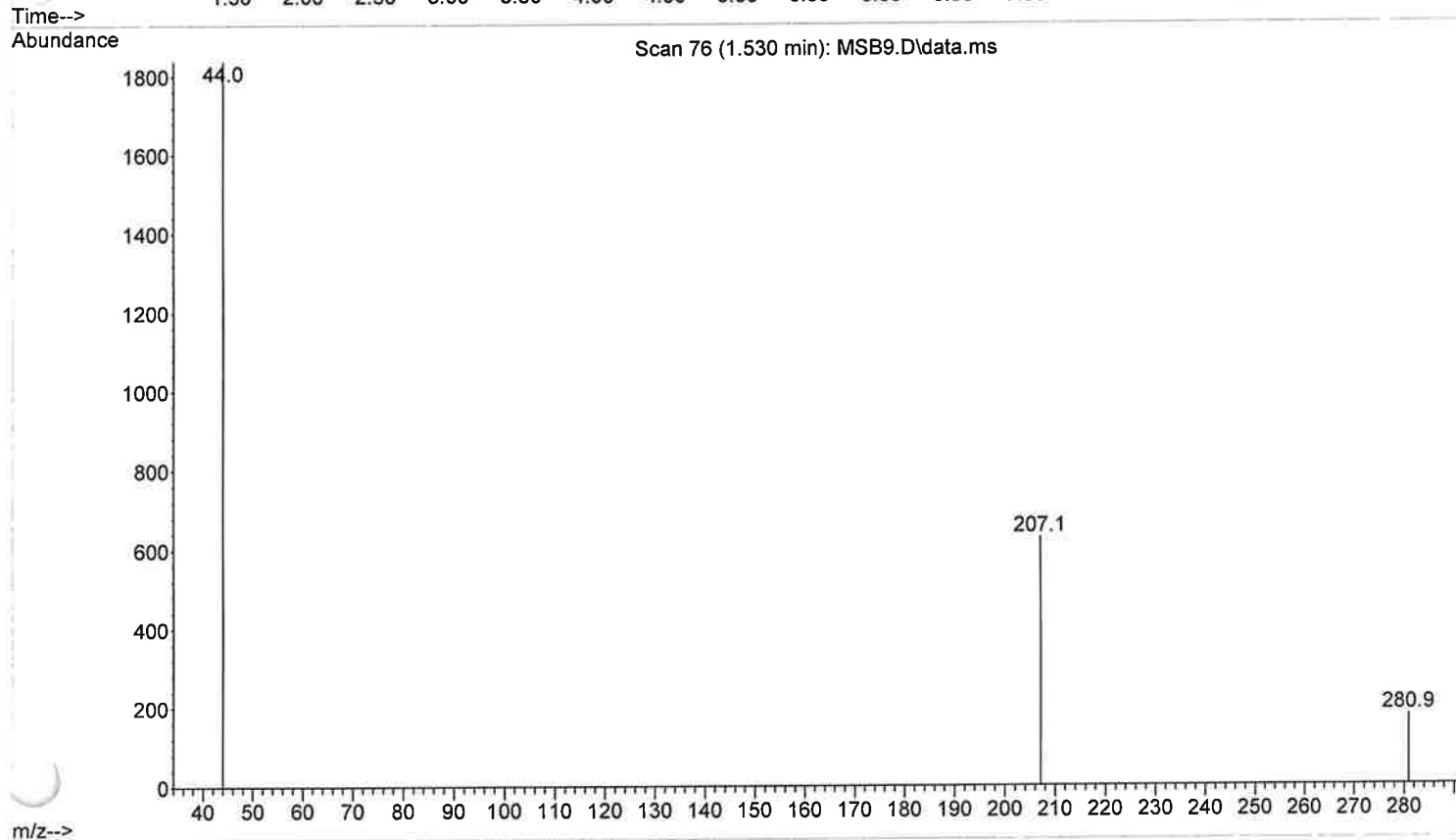
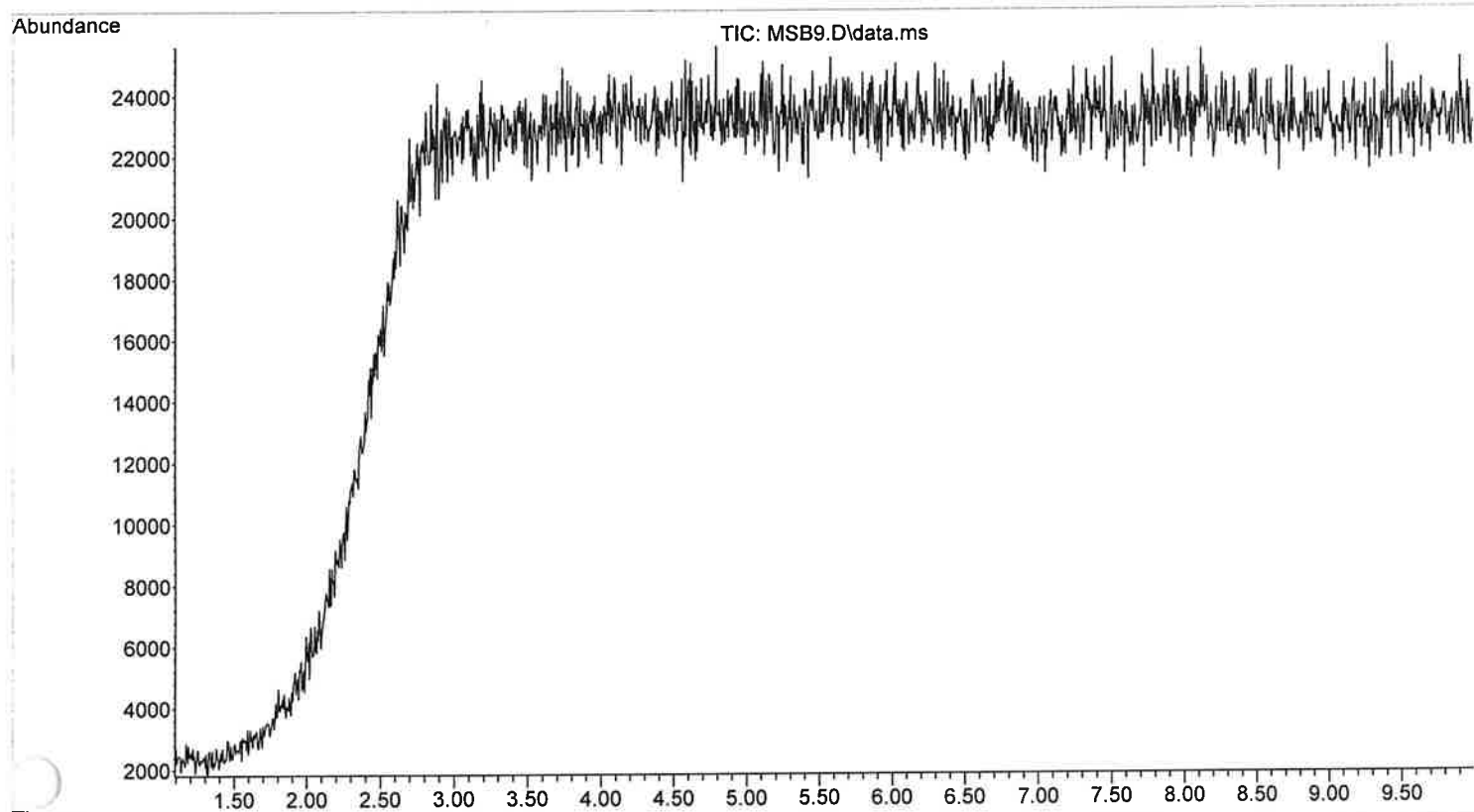
Cal A = Average L = Linear LO = Linear w/origin Q = Quad Q0 = Quad w/origin

#Qual = number of qualifiers

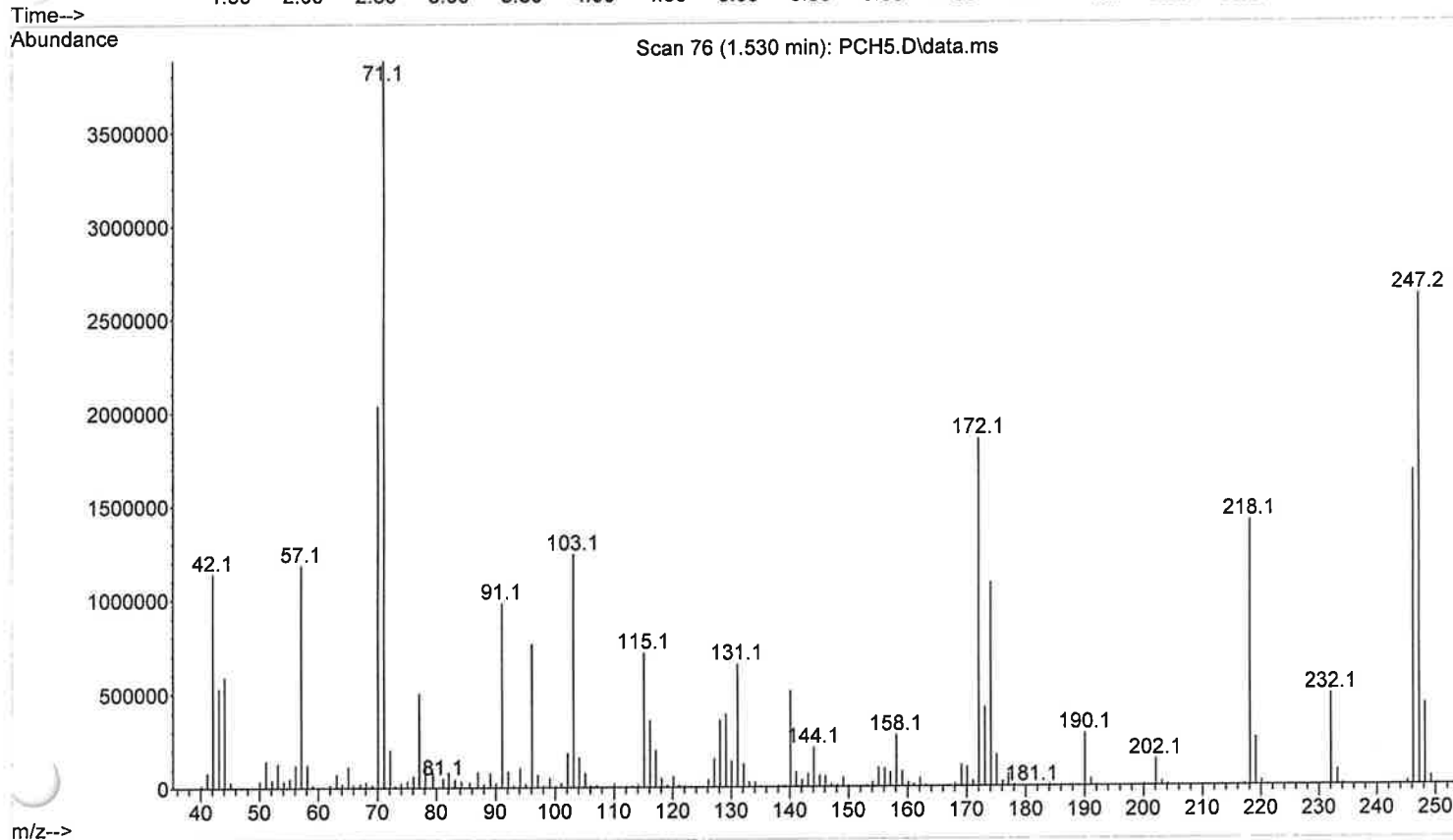
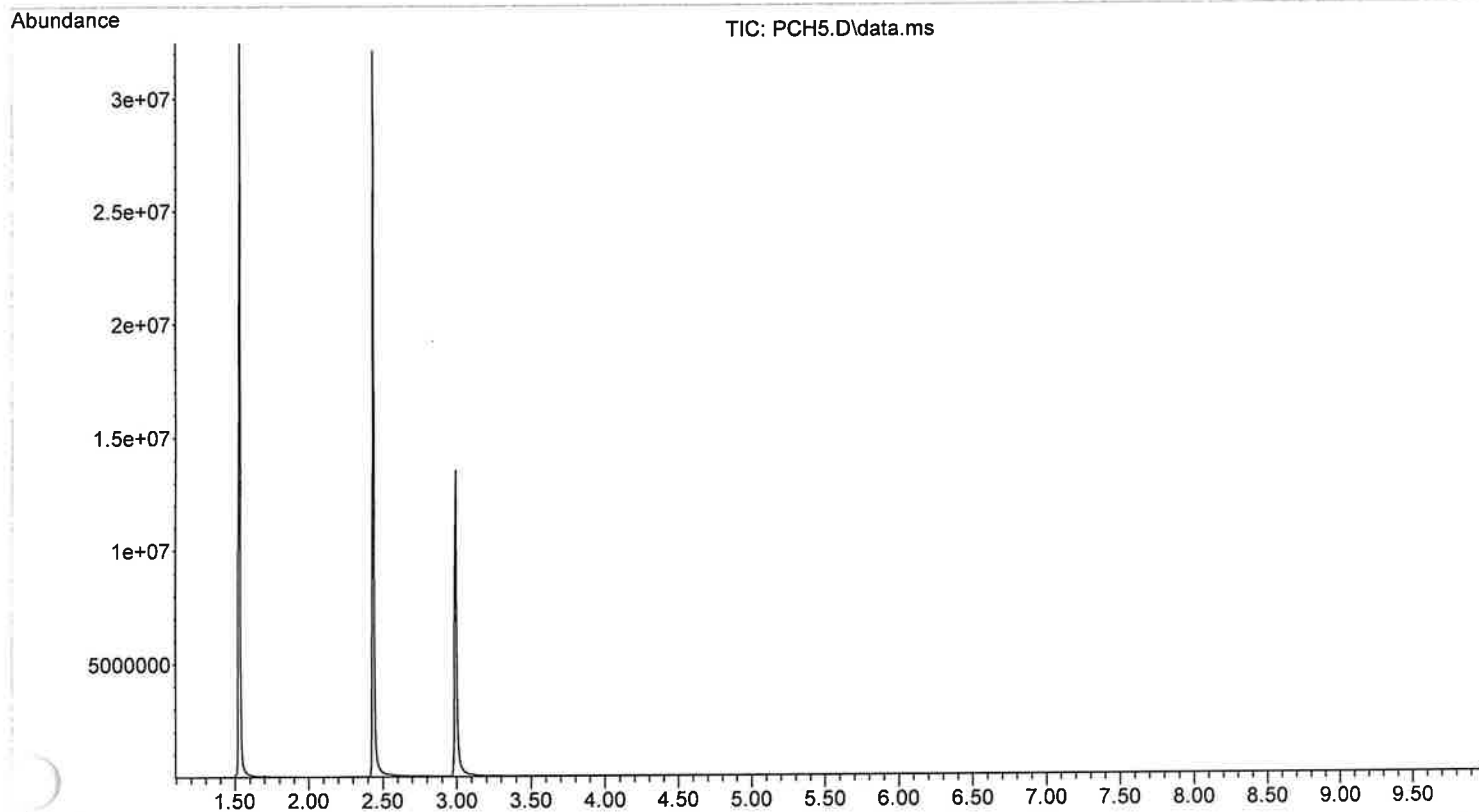
A/H = Area or Height

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

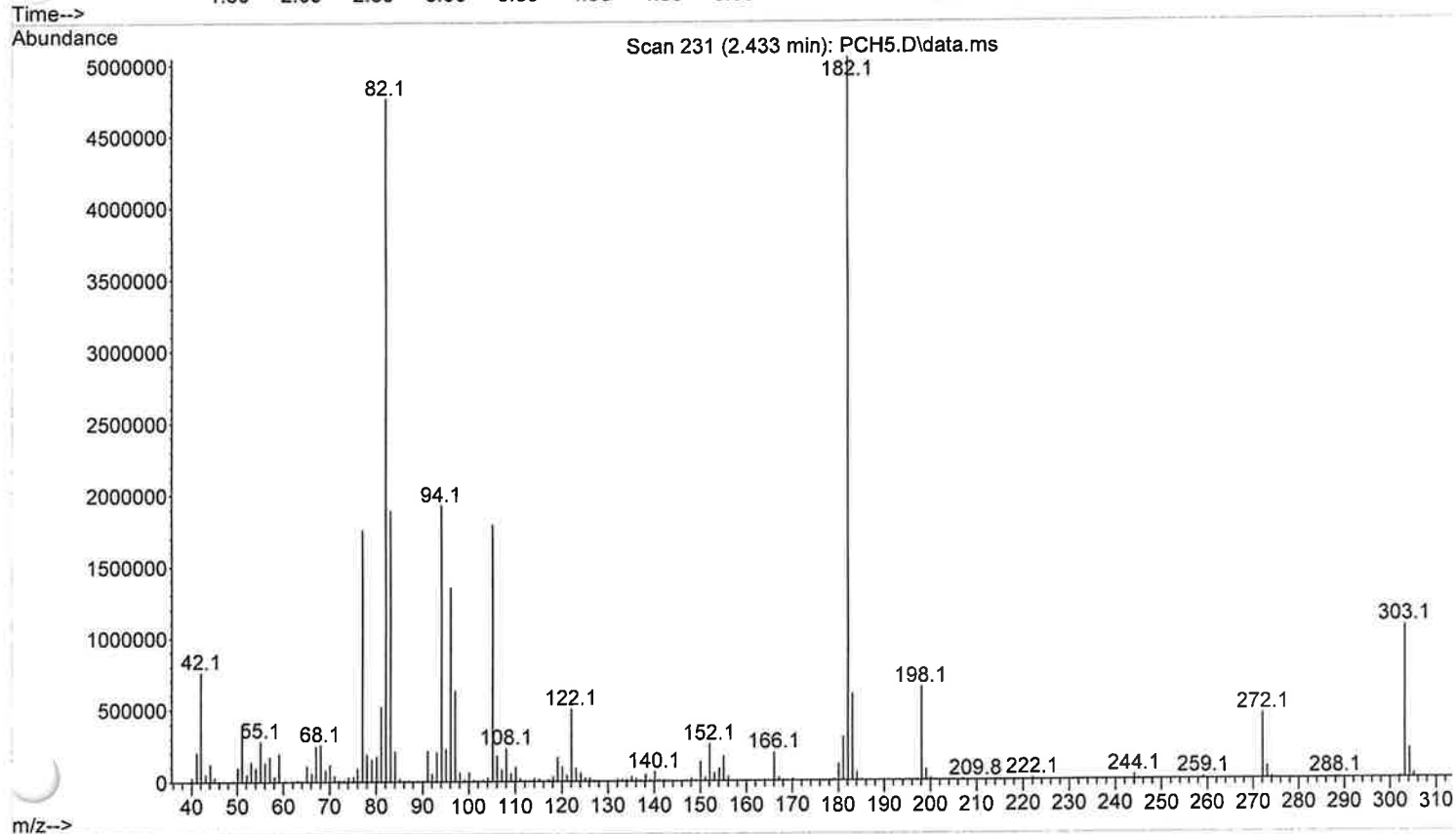
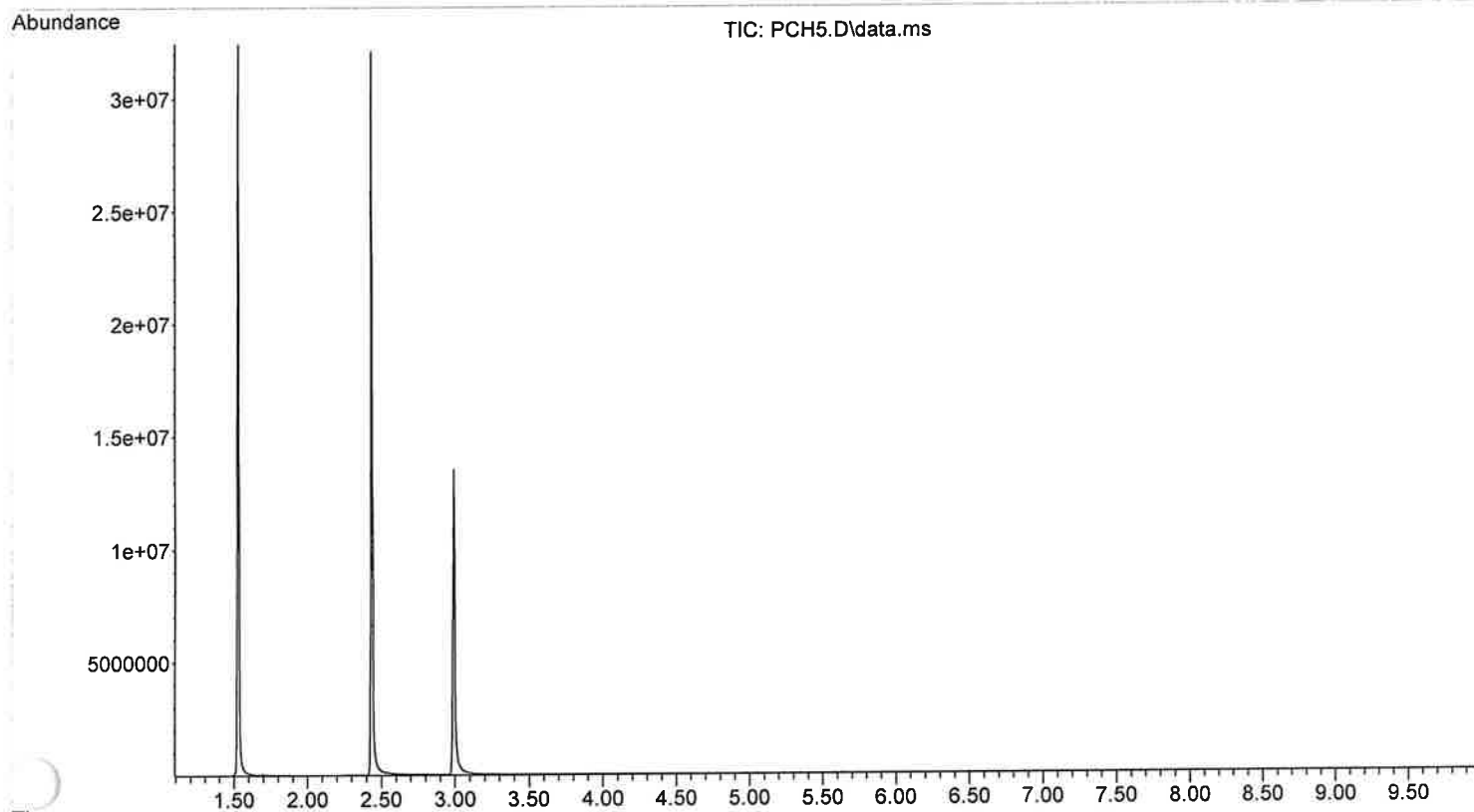
File :X:\2023\GJG\1-30-23\MSB9.D
Operator :
Acquired : 30 Jan 2023 16:55 using AcqMethod ASMSDRUGS200.M
Instrument : Eggroll
Sample Name: MEOH B FOR CALIBRATION STANDARD MIX
Misc Info : 200-280
Vial Number: 2



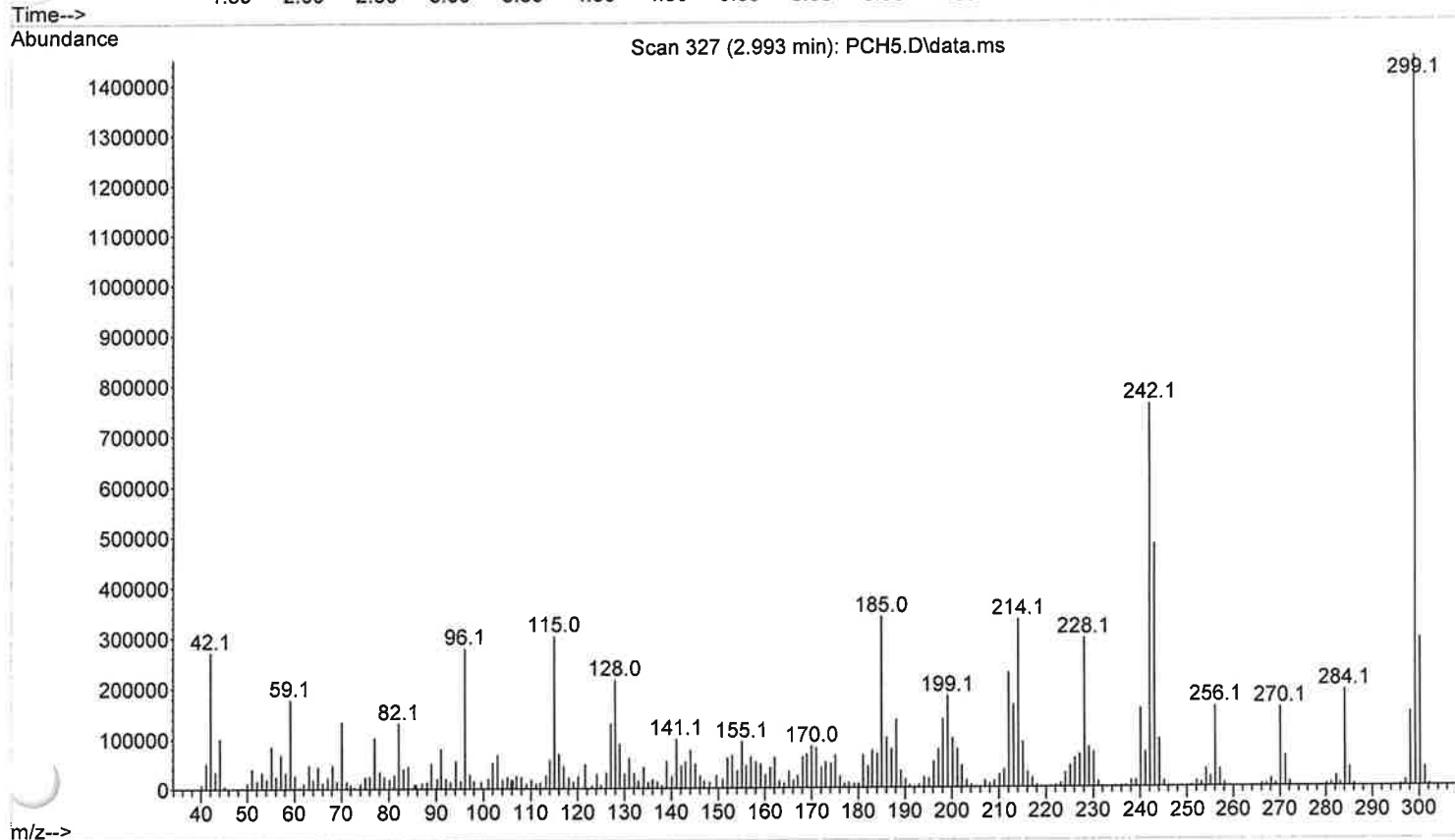
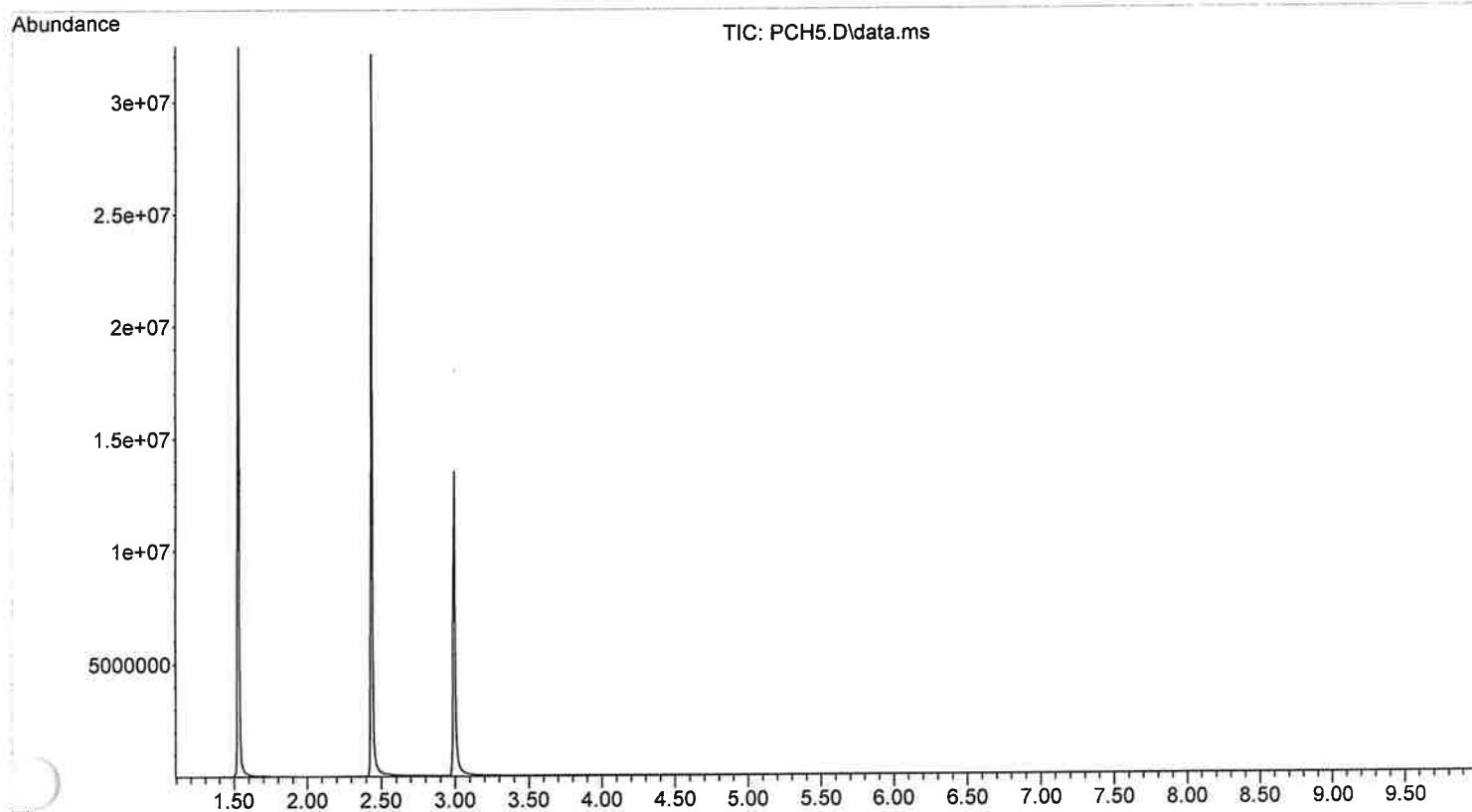
File :X:\2023\GJG\1-30-23\PCH5.D
Operator :
Acquired : 30 Jan 2023 17:07 using AcqMethod ASMSDRUGS200.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD MIX -- 200-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 3



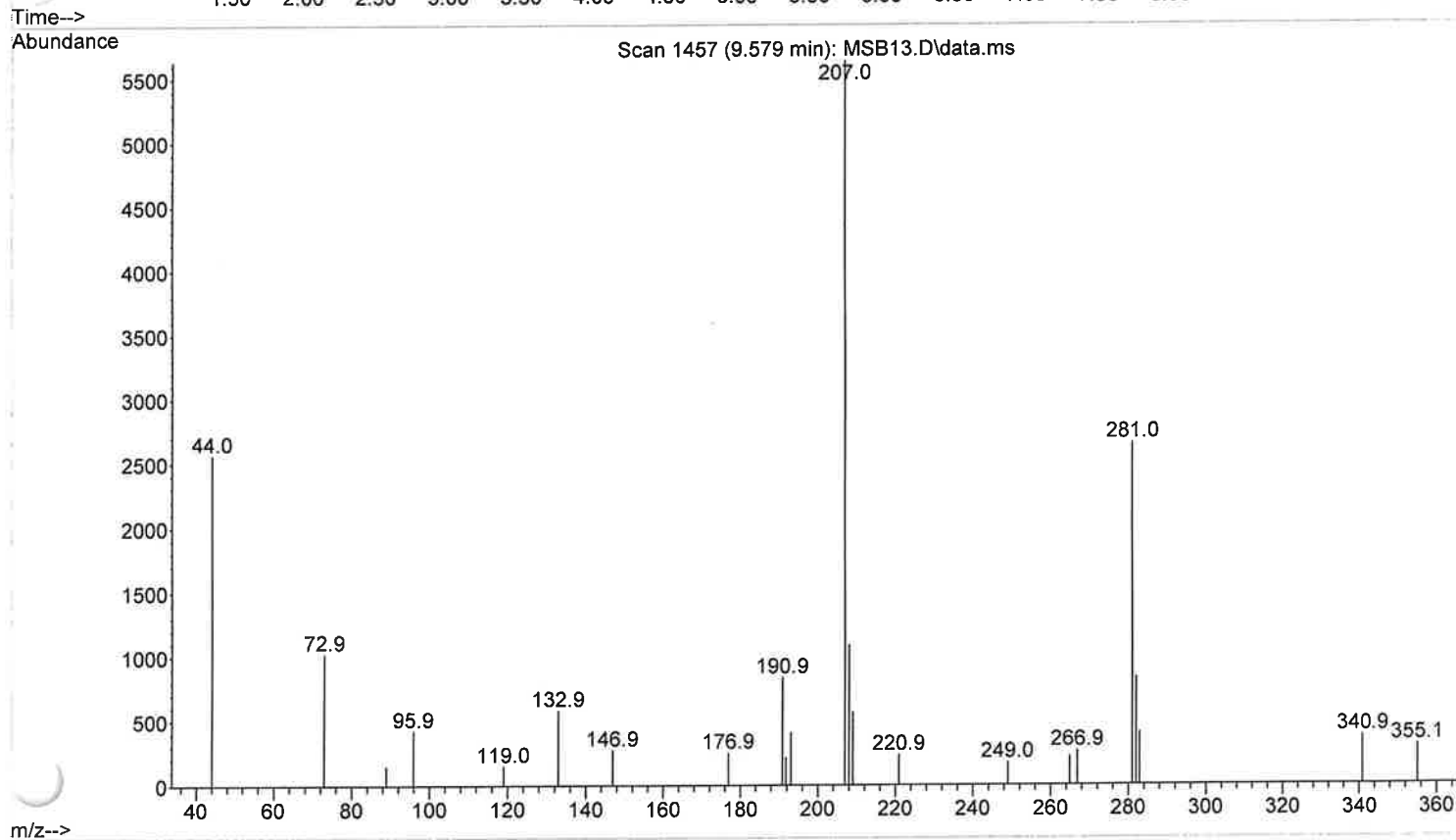
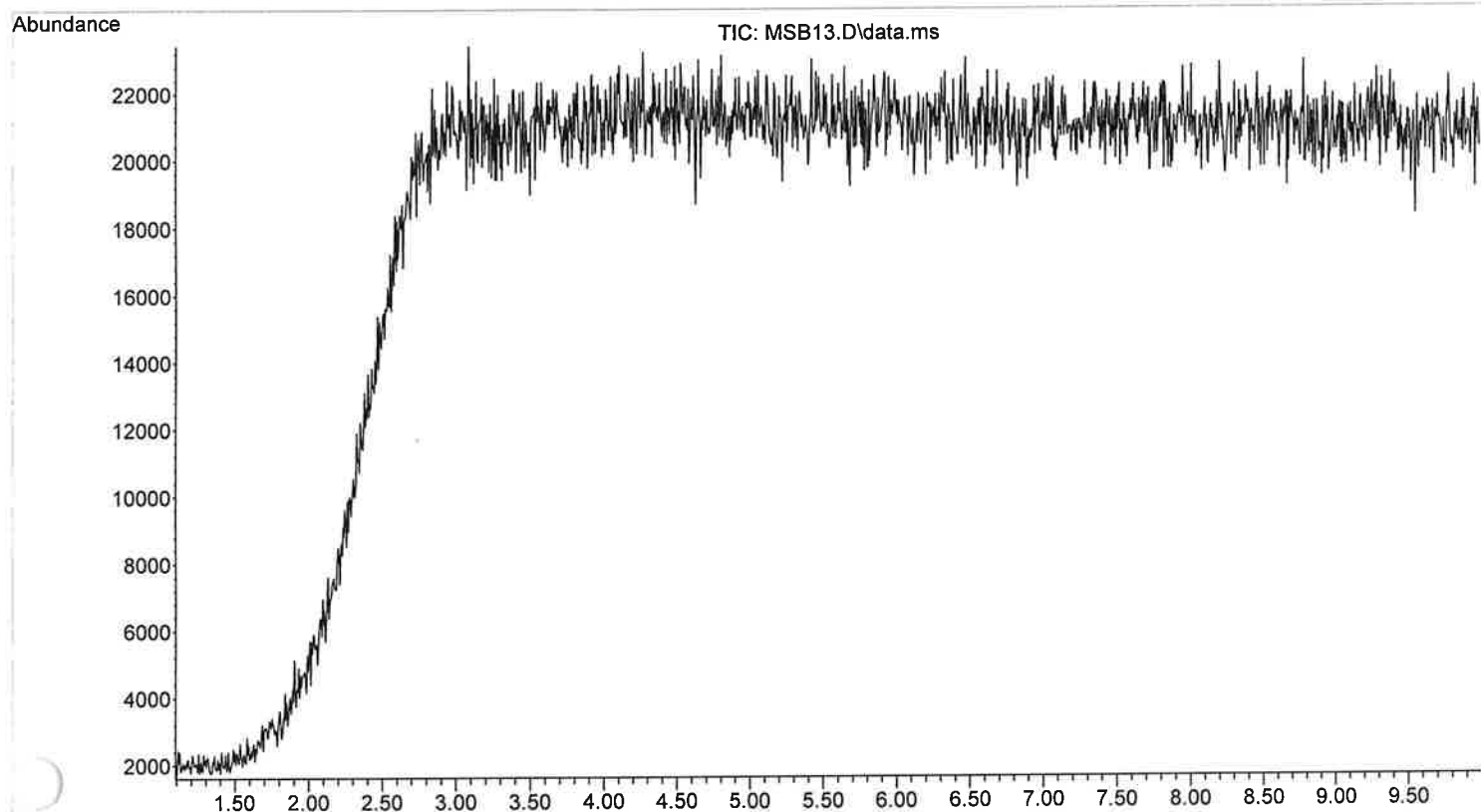
File :X:\2023\GJG\1-30-23\PCH5.D
Operator :
Acquired : 30 Jan 2023 17:07 using AcqMethod ASMSDRUGS200.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD MIX -- 200-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 3



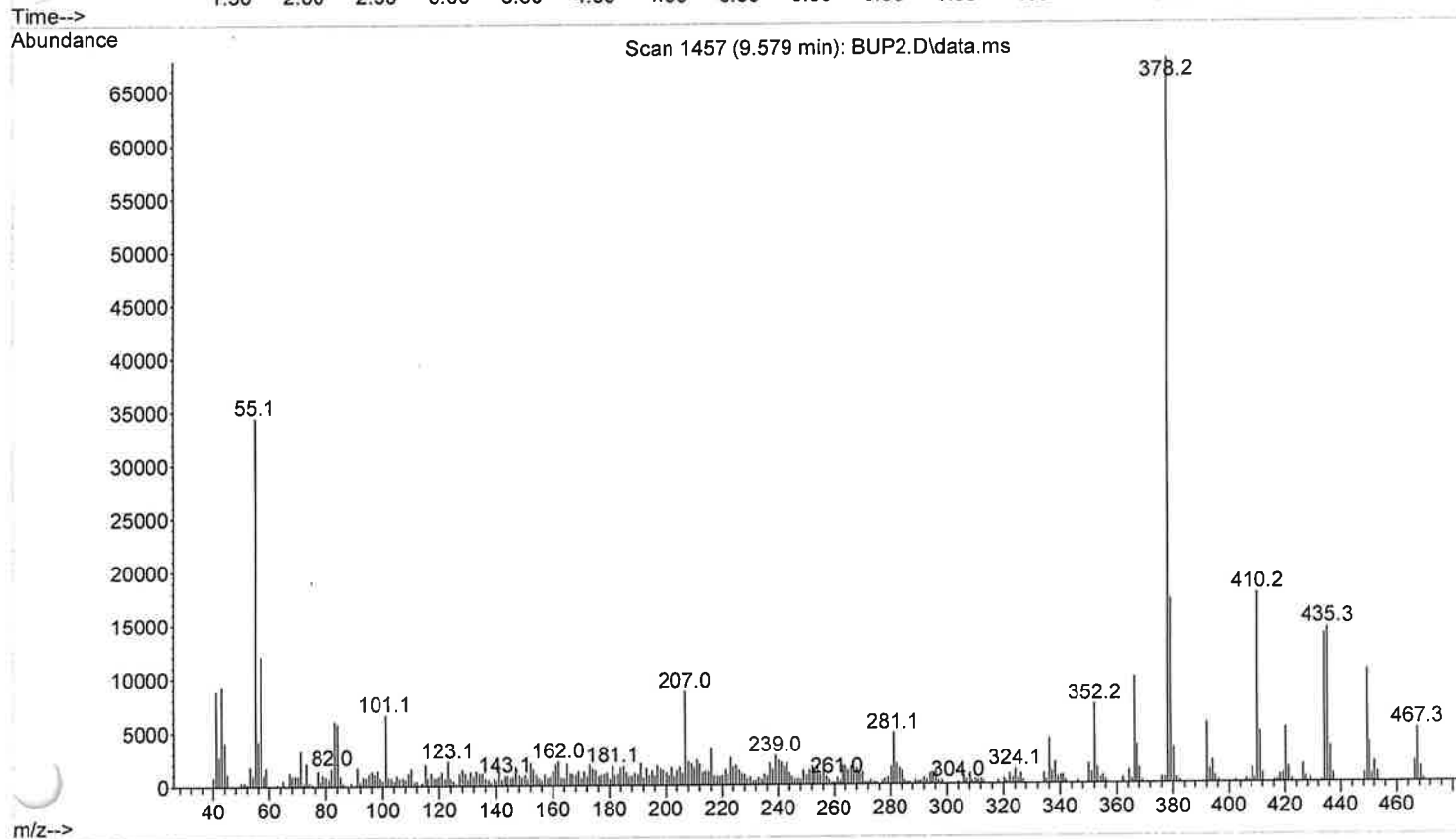
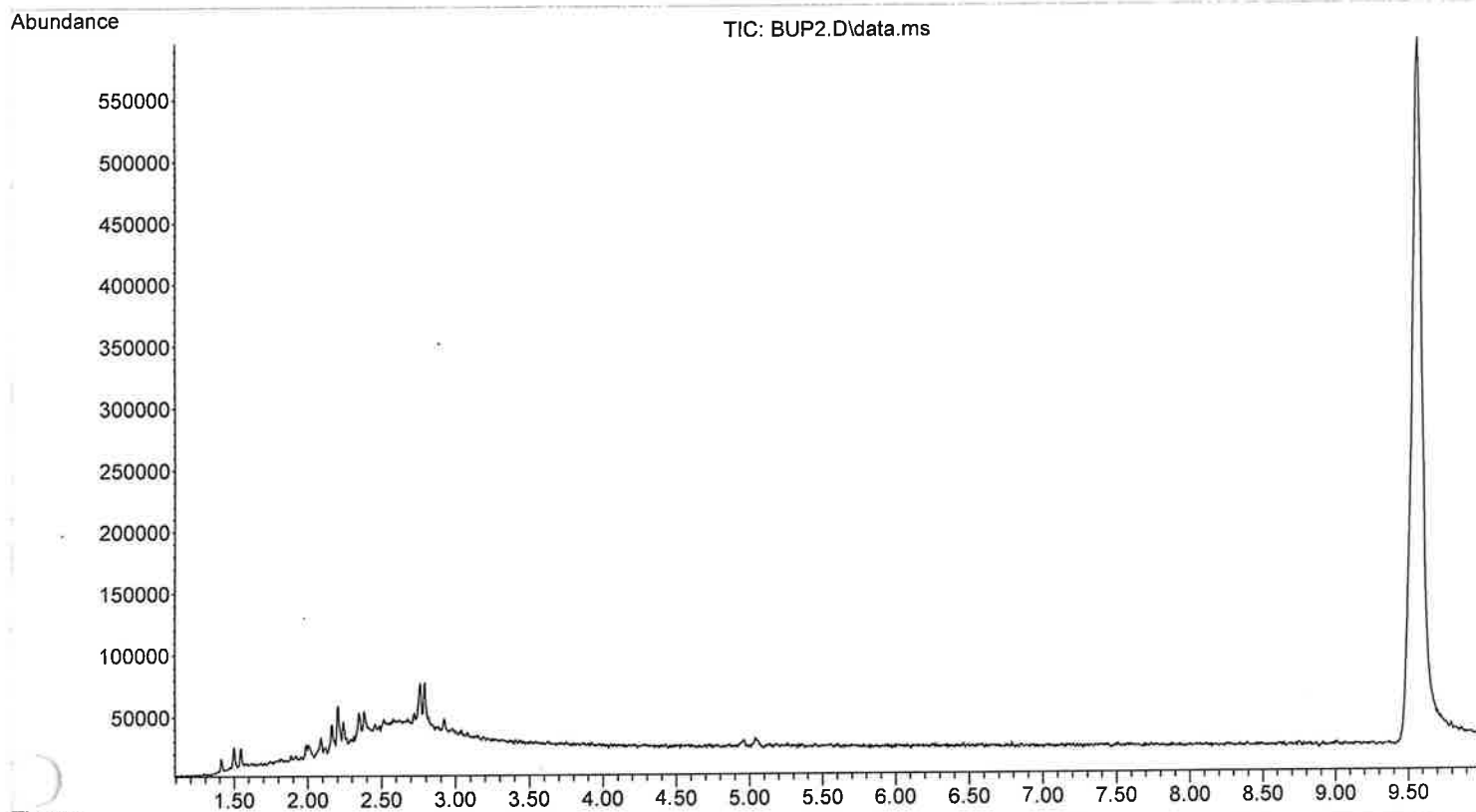
File :X:\2023\GJG\1-30-23\PCH5.D
Operator :
Acquired : 30 Jan 2023 17:07 using AcqMethod ASMSDRUGS200.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD MIX -- 200-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 3



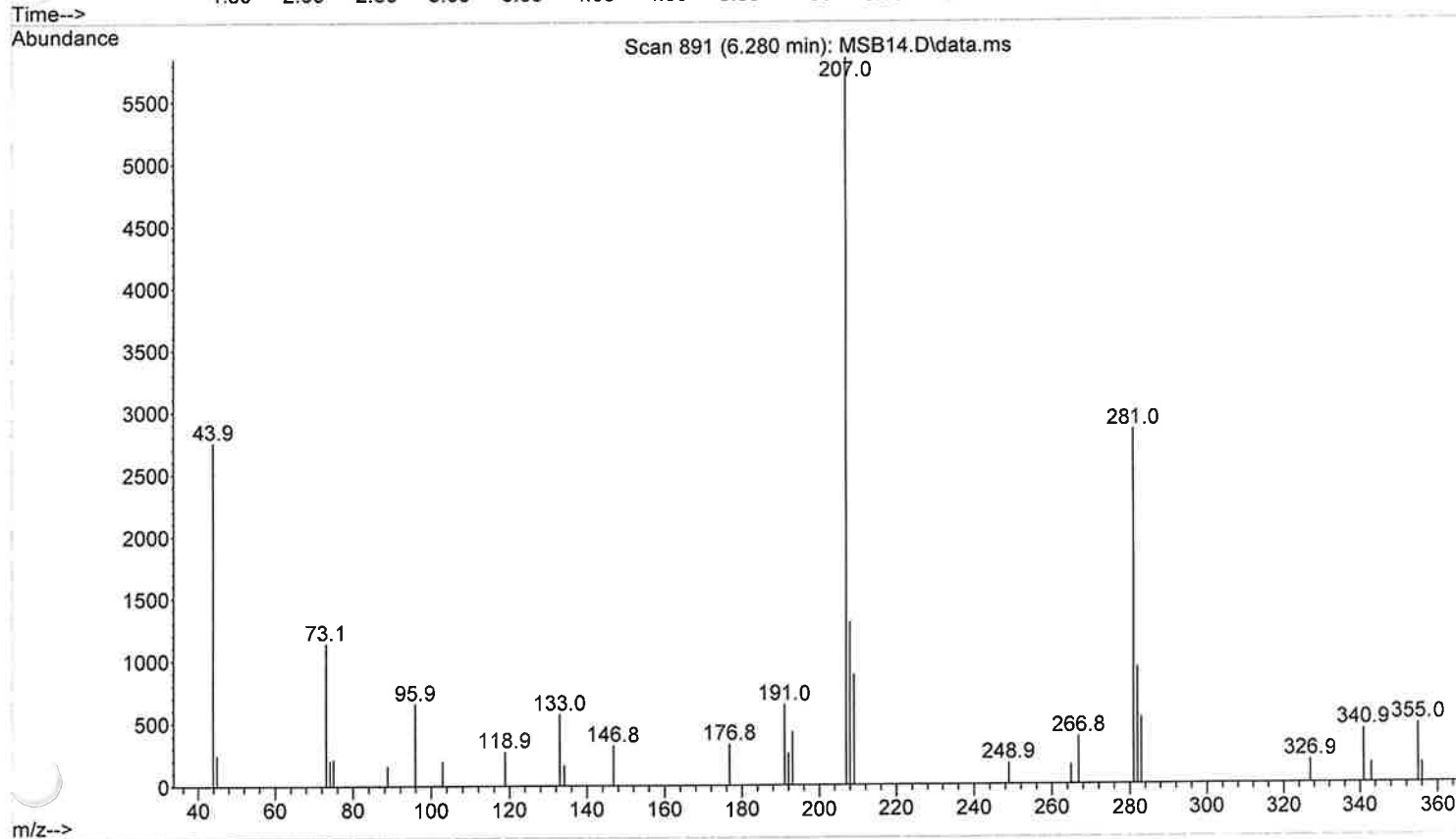
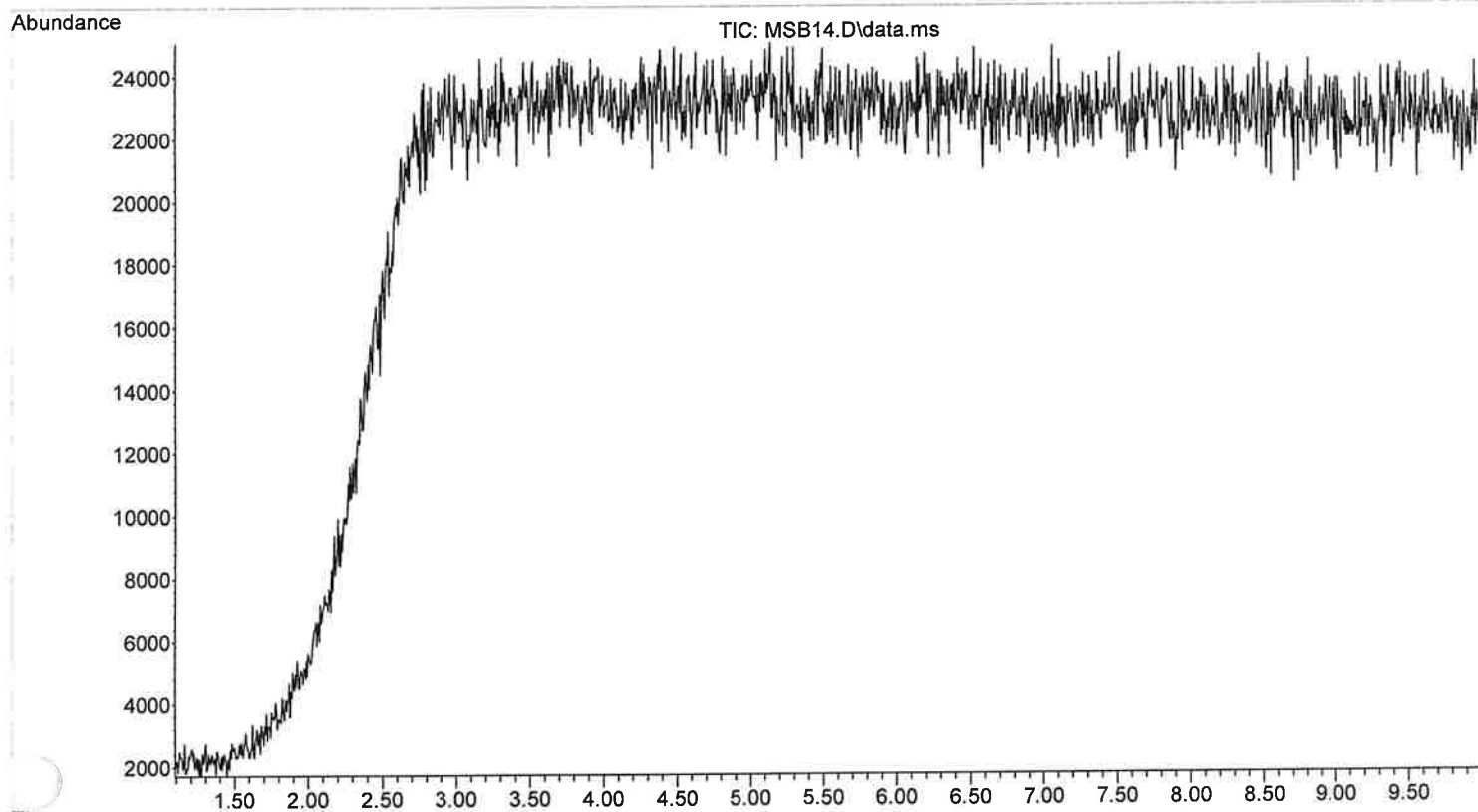
File :X:\2023\GJG\02-02-2023\MSB13.D
Operator :
Acquired : 02 Feb 2023 20:26 using AcqMethod ASMSDRUGS200.M
Instrument : Eggroll
Sample Name: MEOH B FOR BURPENORPHINE STANDARD
Misc Info : 200-280
Vial Number: 2



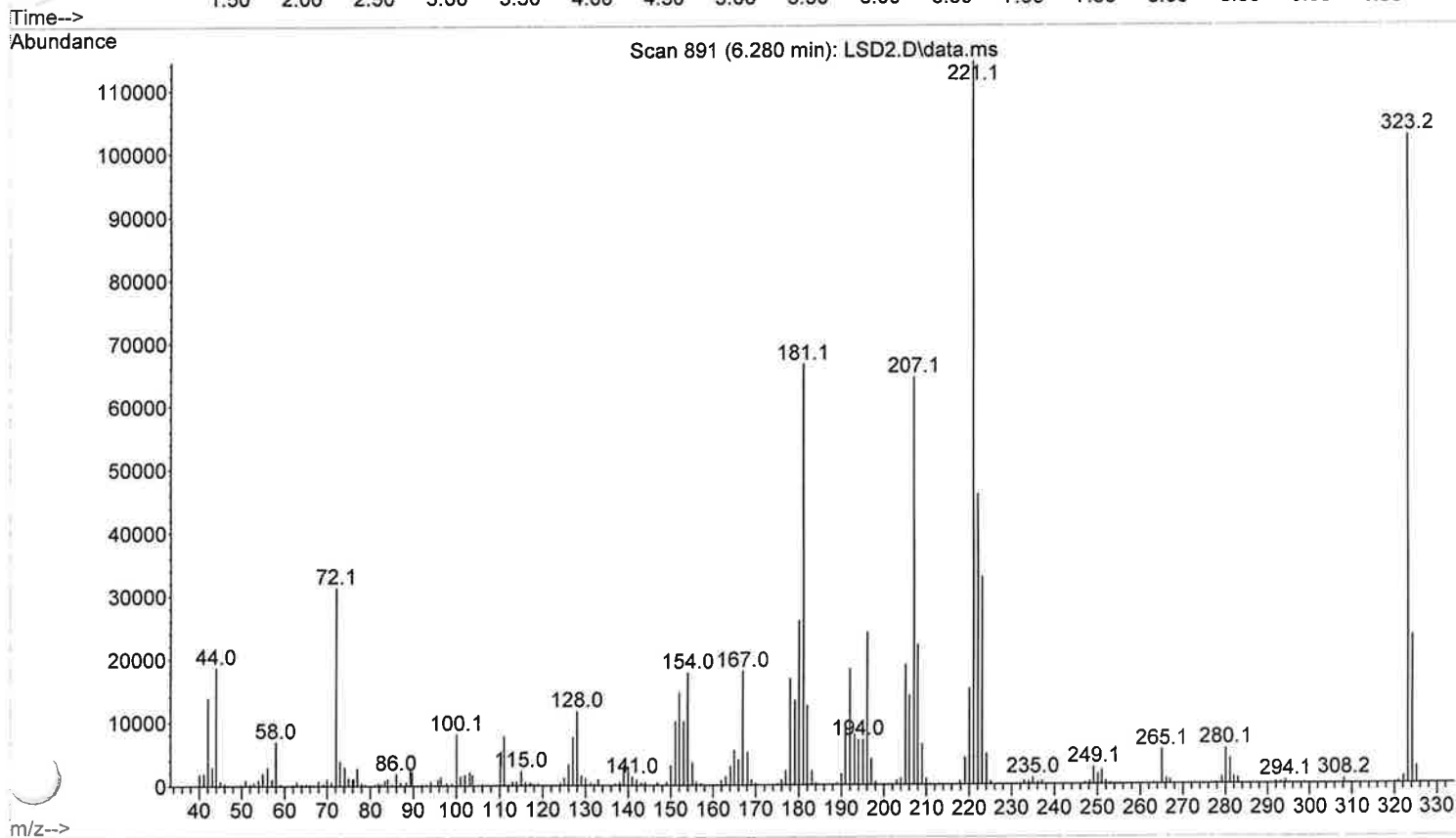
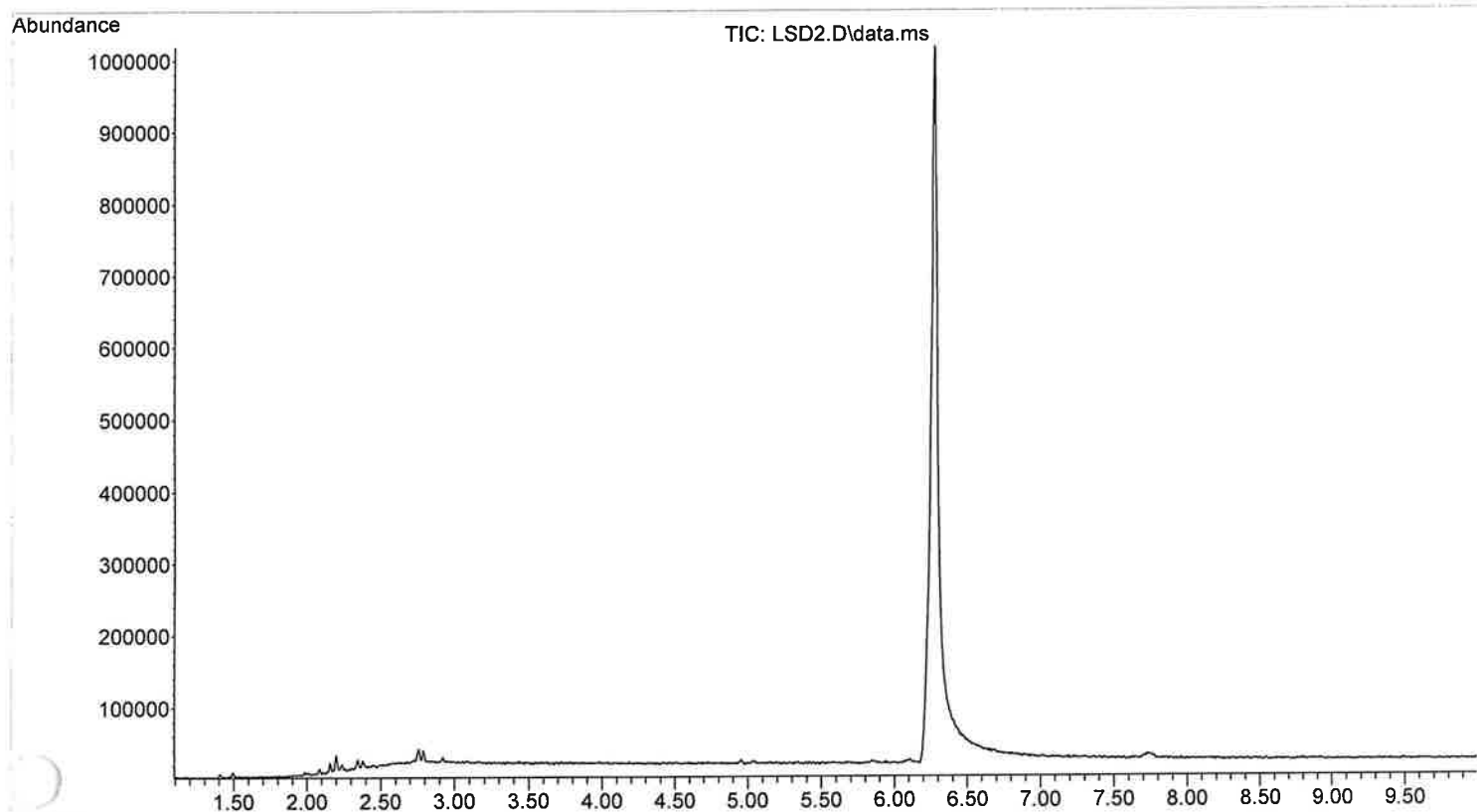
File :X:\2023\GJG\02-02-2023\BUP2.D
Operator :
Acquired : 02 Feb 2023 20:39 using AcqMethod ASMSDRUGS200.M
Instrument : Eggroll
Sample Name: BUPRENORPHINE STANDARD
Misc Info : Cerilliant Lot# FE03191903 Exp: June 2024
Vial Number: 3



File :X:\2023\GJG\02-02-2023\MSB14.D
Operator :
Acquired : 02 Feb 2023 21:04 using AcqMethod ASMSDRUGS200.M
Instrument : Eggroll
Sample Name: MEOH B FOR LSD STANDARD
Misc Info : 200-280
Vial Number: 2



File :X:\2023\GJG\02-02-2023\LSD2.D
Operator :
Acquired : 02 Feb 2023 21:17 using AcqMethod ASMSDRUGS200.M
Instrument : Eggroll
Sample Name: LSD STANDARD -- 200-280
Misc Info : Cerilliant Lot# FE10161901 Exp: October 2024
Vial Number: 4



METHOD CONTROL PARAMETERS

Method Information for: C:\MassHunter\GCMS\1\methods\ASMSDRUGS60.M

Method Sections To Run:

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

Method Comments:

This is an auto sample method 60-280 / 10 minutes.

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	C:\MassHunter\GCMS\1\methods\ASMSDRUGS60.M
Tune file	atune.u
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
Acquisition Type	Scan
Stop time (min)	10.00
Solvent delay (min)	1.00
Trace Ion Detection	False
Gain Factor	1
EM Saver	False
EM Saver Limit	N/A

Scan Time Segments

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

Timed Events

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

Real-Time Plots

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

Self-Cleaning Ion Source Parameters

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

C:\MassHunter\GCMS\1\methods\ASMSDRUGS60.M

Fri Jan 13 16:05:24 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 100 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 5.86 min

Equilibration Time 0.5 min
Temperature 450 °C
Minimum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 3
Solvent A Volume 3 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 3
Solvent B Volume 3 µL
Sample Washes 1
Sample Wash Volume 2 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
Injection Type Standard
L1 Airgap 0.2 µL

Solvent Wash Mode	A, B
Back Injector	
Syringe Size	10 µL
Injection Volume	1 µL
Solvent A Washes (PreInj)	2
Solvent A Washes (PostInj)	3
Solvent A Volume	3 µL
Solvent B Washes (PreInj)	2
Solvent B Washes (PostInj)	3
Solvent B Volume	3 µL
Sample Washes	2
Sample Wash Volume	1 µL
Sample Pumps	3
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Solvent Wash Mode	A, B
Sample Overlap Mode	Sample overlap is not enabled
ALS Errors	Pause for user interaction
Front SS Inlet He	
Excluded from Readiness Mode	***Excluded from Affecting GC's Readiness State***
Heater	Split
Pressure	On 250 °C
Total Flow	On 6.5 psi
Septum Purge Flow	On 45.625 mL/min
Gas Saver	On 3 mL/min
Split Ratio	Off
Split Flow	50 :1
Liner	41.789 mL/min
	A Liner has not been selected.
Back SS Inlet He	
Excluded from Readiness Mode	***Excluded from Affecting GC's Readiness State***
Heater	Split
Pressure	On 250 °C
Total Flow	On 6.5 psi
Septum Purge Flow	On 124.73 mL/min
Gas Saver	On 3 mL/min
Split Ratio	Off
Split Flow	50 :1
Liner	119.34 mL/min
	A Liner has not been selected.
Thermal Aux 2 (MSD Transfer Line)	
Temperature	
Setpoint	On
(Initial)	280 °C
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Column	

Column #1	
Flow	On
Setpoint	0.83578 mL/min
(Initial)	3.5062 mL/min
Post Run	
Column Information	19091S-602
HP-1MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm (Calibrated)
In	Front SS Inlet He
Out	MSD
(Initial)	60 °C
Pressure	6.5 psi
Flow	0.83578 mL/min
Average Velocity	51.868 cm/sec
Holdup Time	0.40166 min
Control Mode	Constant Flow
Column #2	
Pressure	On
Setpoint	6.5 psi
(Initial)	10 psi
Post Run	
Column Information	19091S-913
HP-1MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	15 m x 320 µm x 0.25 µm (Calibrated)
In	Back SS Inlet He
Out	Other
(Initial)	60 °C
Pressure	6.5 psi
Flow	2.3868 mL/min
Average Velocity	44.911 cm/sec
Holdup Time	0.55666 min
Control Mode	Constant Pressure
Column Outlet Pressure	0 psi
Front Detector FID	
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Makeup	He
Heater	On 300 °C
H2 Flow	Off
Air Flow	Off
Makeup Flow	Off
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	Off
Signals	
Signal #1: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #2: Test Plot	
Description	Test Plot
Save	Off
Data Rate	50 Hz
Dual Injection Assignment	Front Sample

Signal #3: Test Plot
Description
Save
Data Rate
Dual Injection Assignment

Test Plot
Off
50 Hz
Back Sample

Signal #4: Test Plot
Description
Save
Data Rate
Dual Injection Assignment

Test Plot
Off
50 Hz
Back Sample

TUNE PARAMETERS for SN: US61633037

Trace Ion Detection is OFF.

34.610 : EMISSION
70.347 : ENERGY
34.961 : REPELLER
83.514 : IONFOCUS
28.500 : ENTRANCE_LENS
1470.588 : EMVOLTS

1470.588 : Actual EMV
0.28 : GAIN FACTOR

2128.000 : AMUGAIN
120.250 : AMUOFFSET
1.000 : FILAMENT
0.000 : DCPOLARITY
16.565 : ENTLENSOFFSET
-575.000 : MASSGAIN
-35.000 : MASSOFFSET

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

Method Path : C:\MassHunter\GCMS\1\methods\

Method File : ASMSDRUGS60.M

Title :

Auto Update :

Response Via : Initial Calibration

Total Cpnds : 0

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

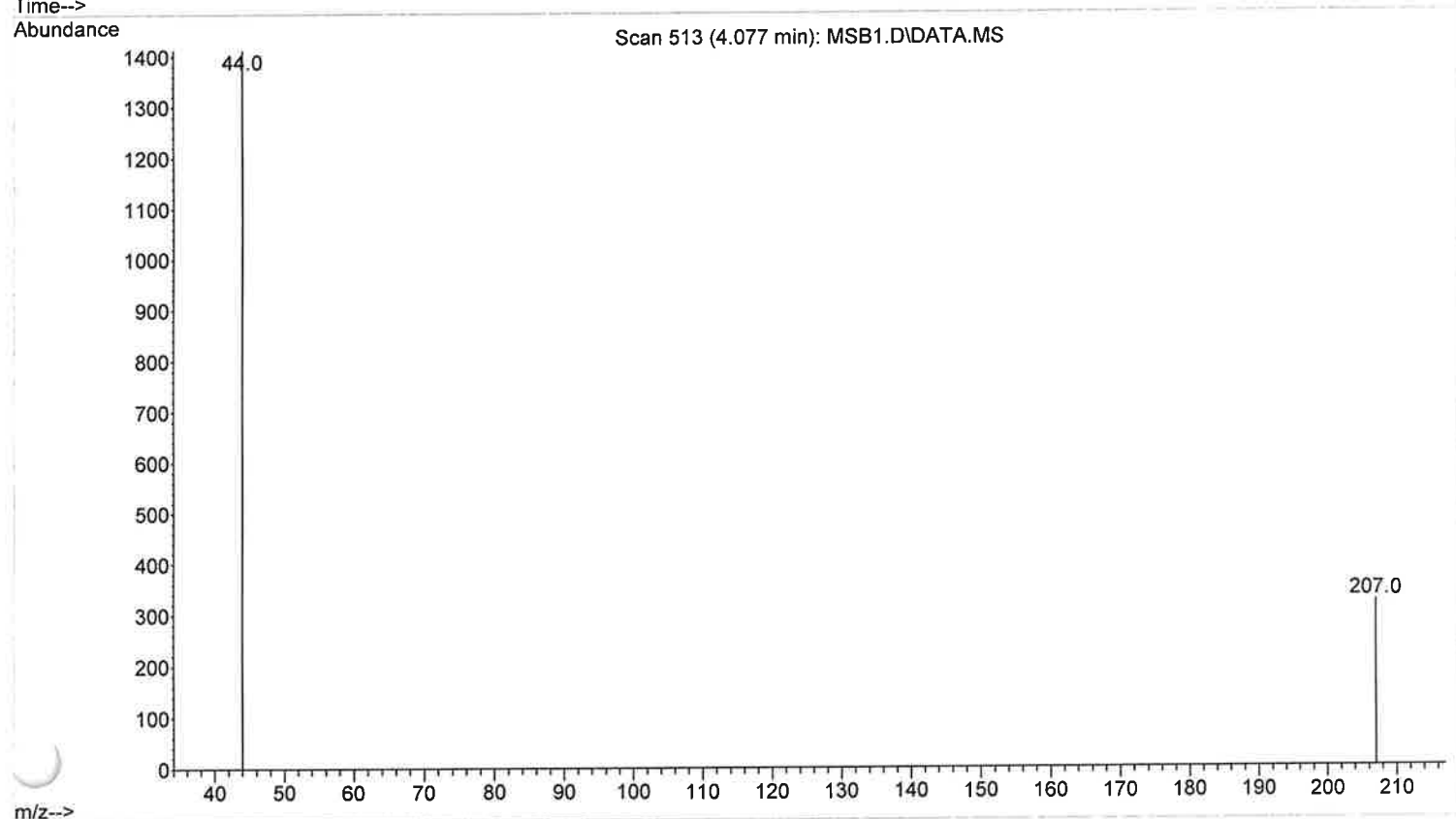
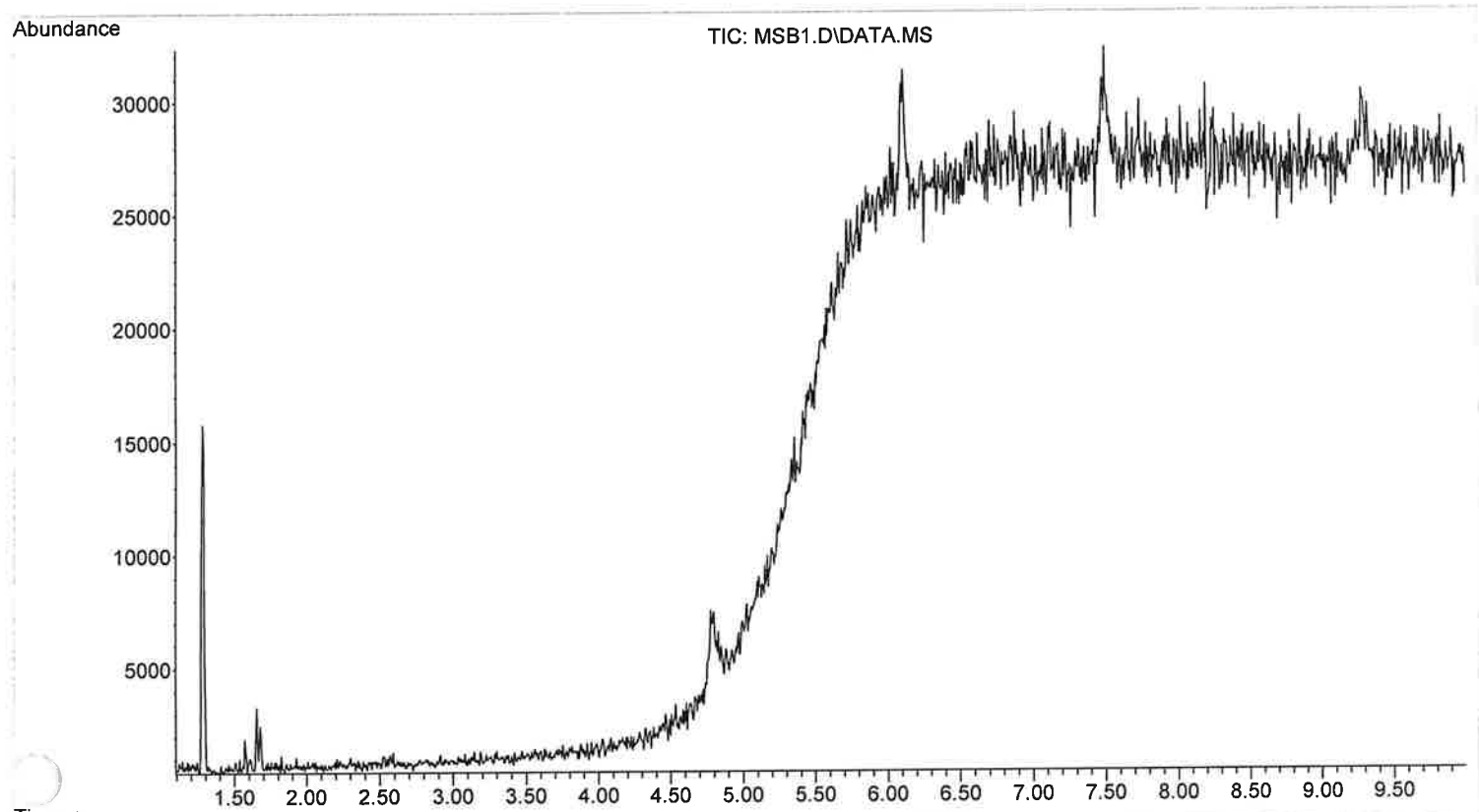
Cal A = Average L = Linear LO = Linear w/origin Q = Quad Q0 = Quad w/origin

#Qual = number of qualifiers

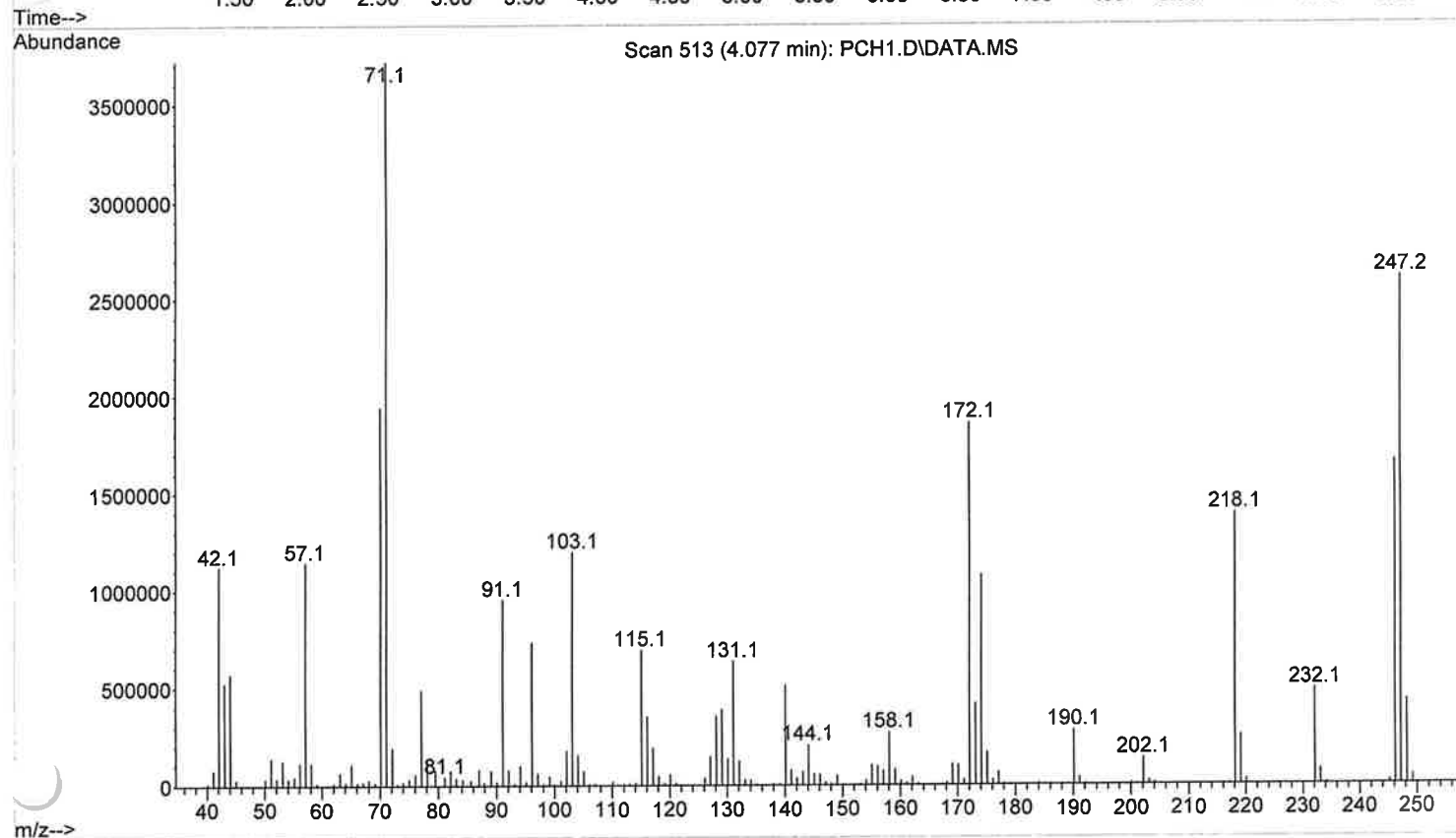
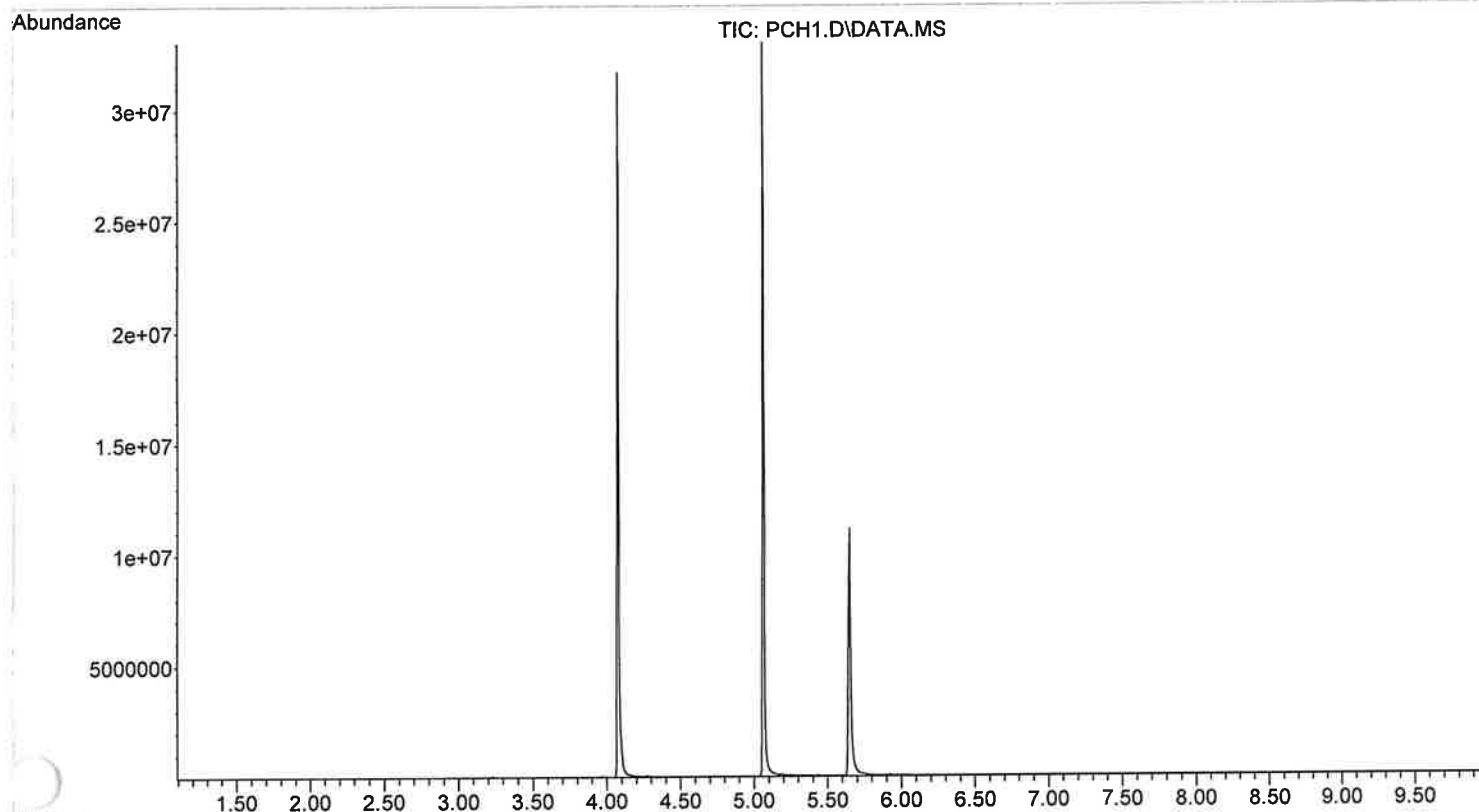
A/H = Area or Height

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

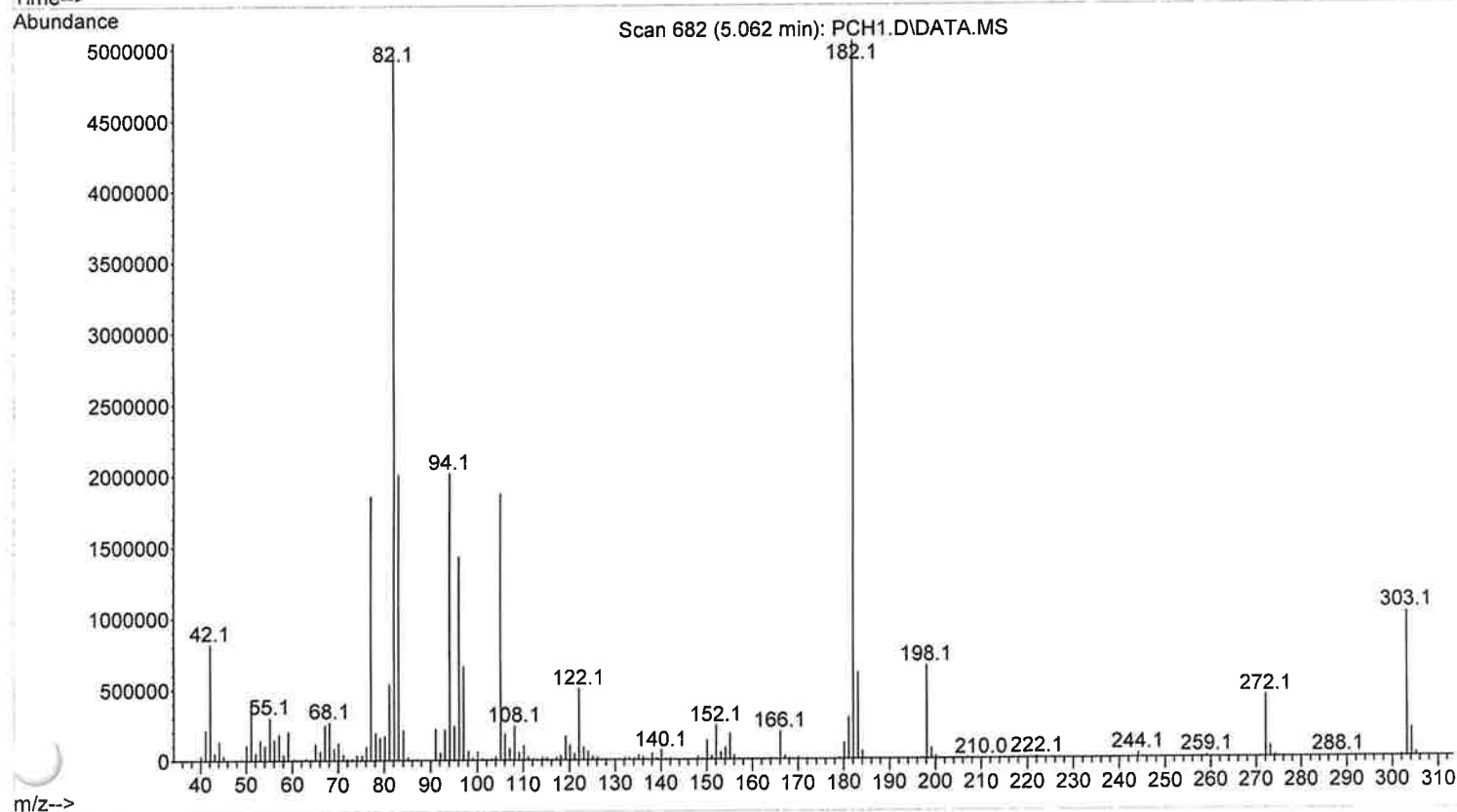
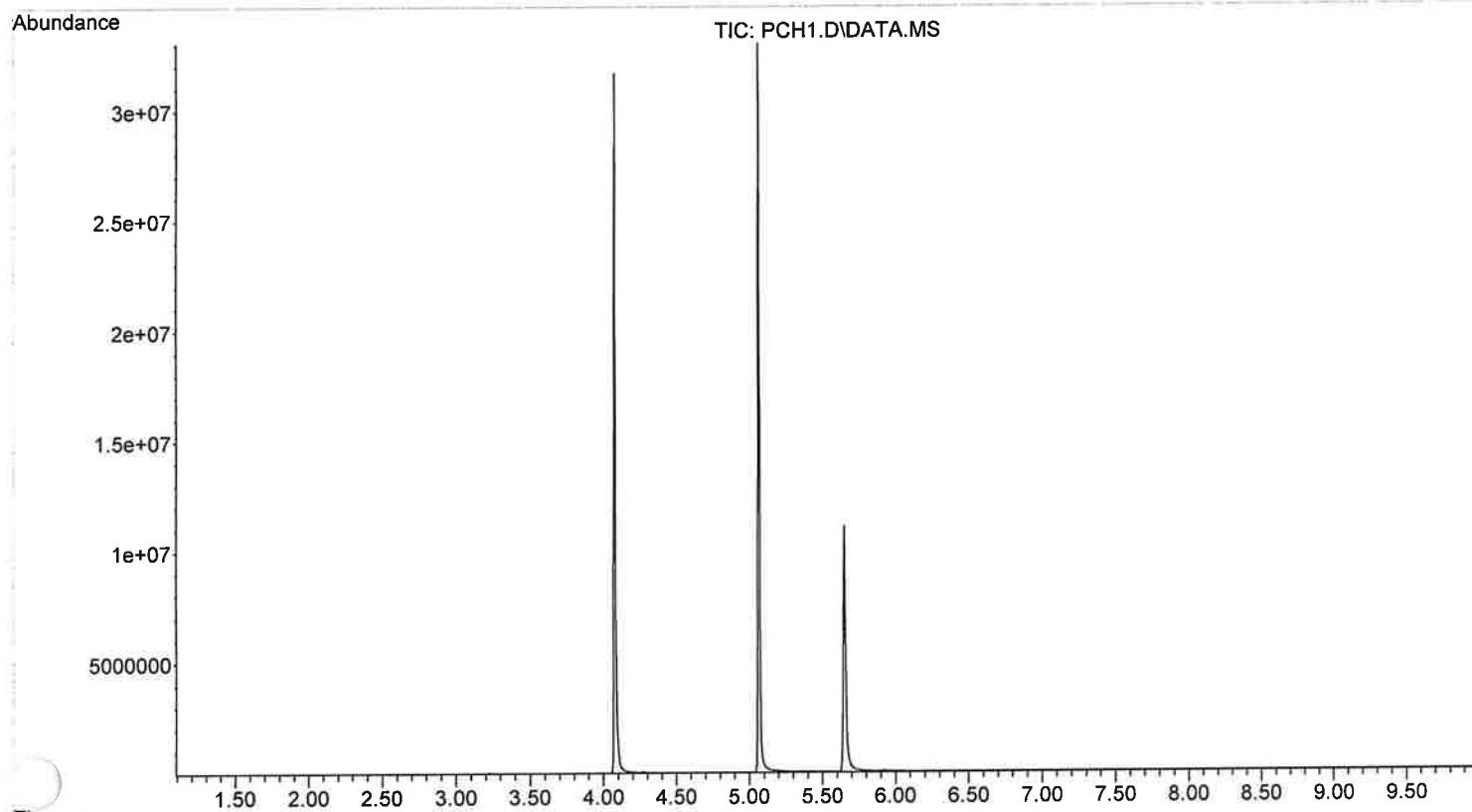
File :X:\2023\GJG\1-30-23\MSB1.D
Operator :
Acquired : 30 Jan 2023 11:15 using AcqMethod ASMSDRUGS60.M
Instrument : Eggroll
Sample Name: MEOH B FOR CALIBRATION STANDARD MIX
Misc Info : 60-280
Vial Number: 2



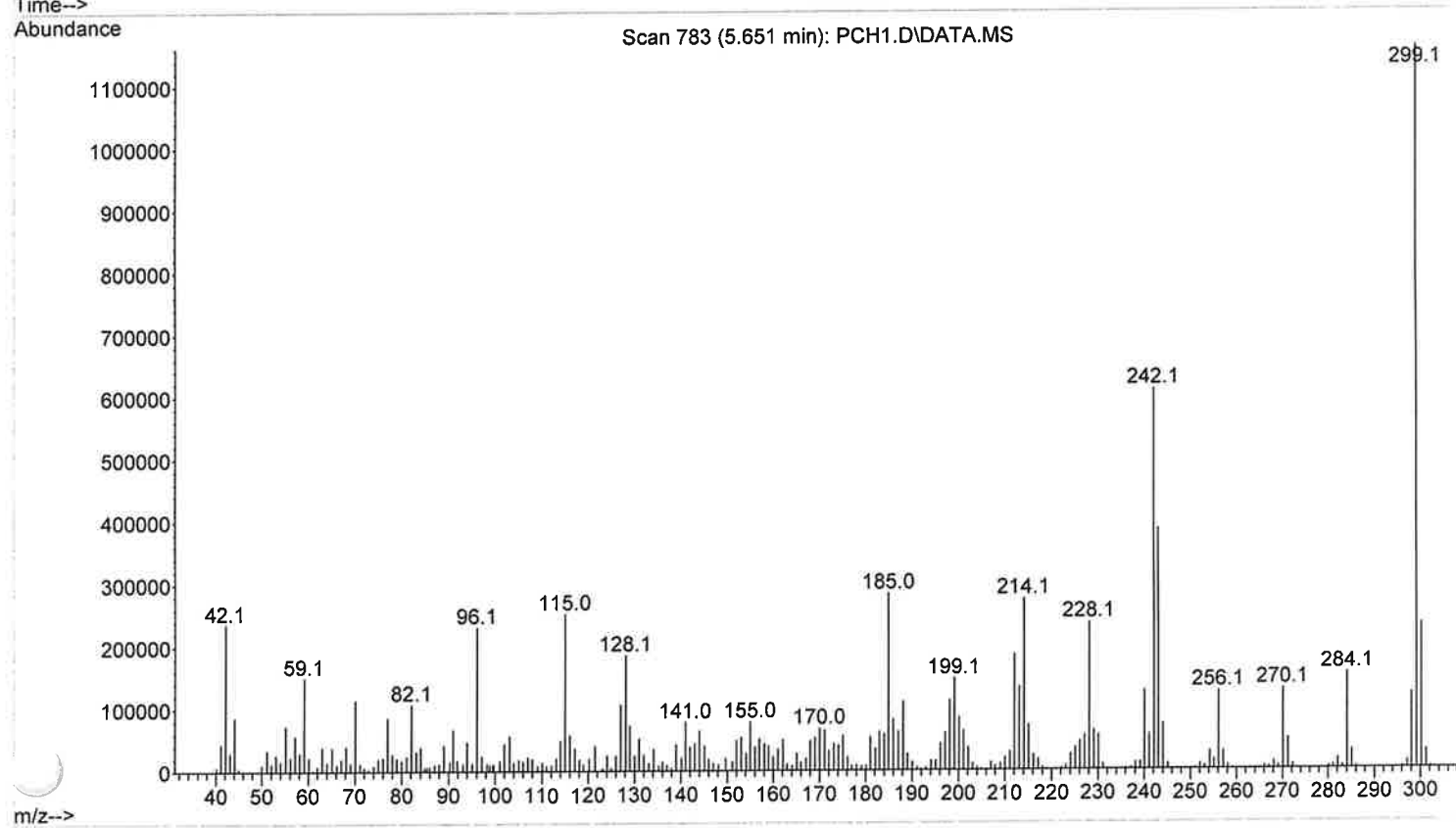
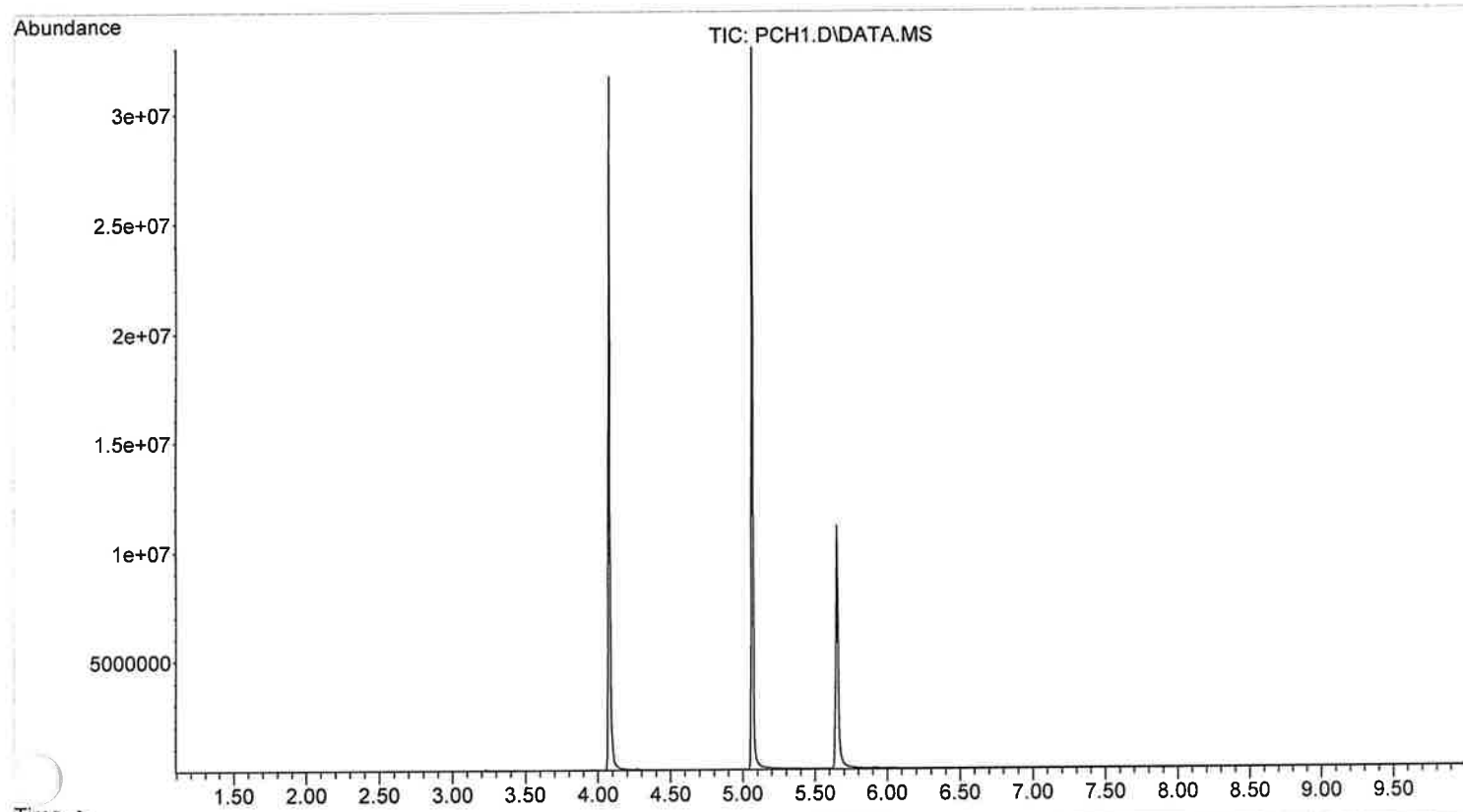
File :X:\2023\GJG\1-30-23\PCH1.D
Operator :
Acquired : 30 Jan 2023 11:29 using AcqMethod ASMSDRUGS60.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD MIX -- 60-280
Misc Info : PETHIDINE / COCAINE / HYROCODONE
Vial Number: 3



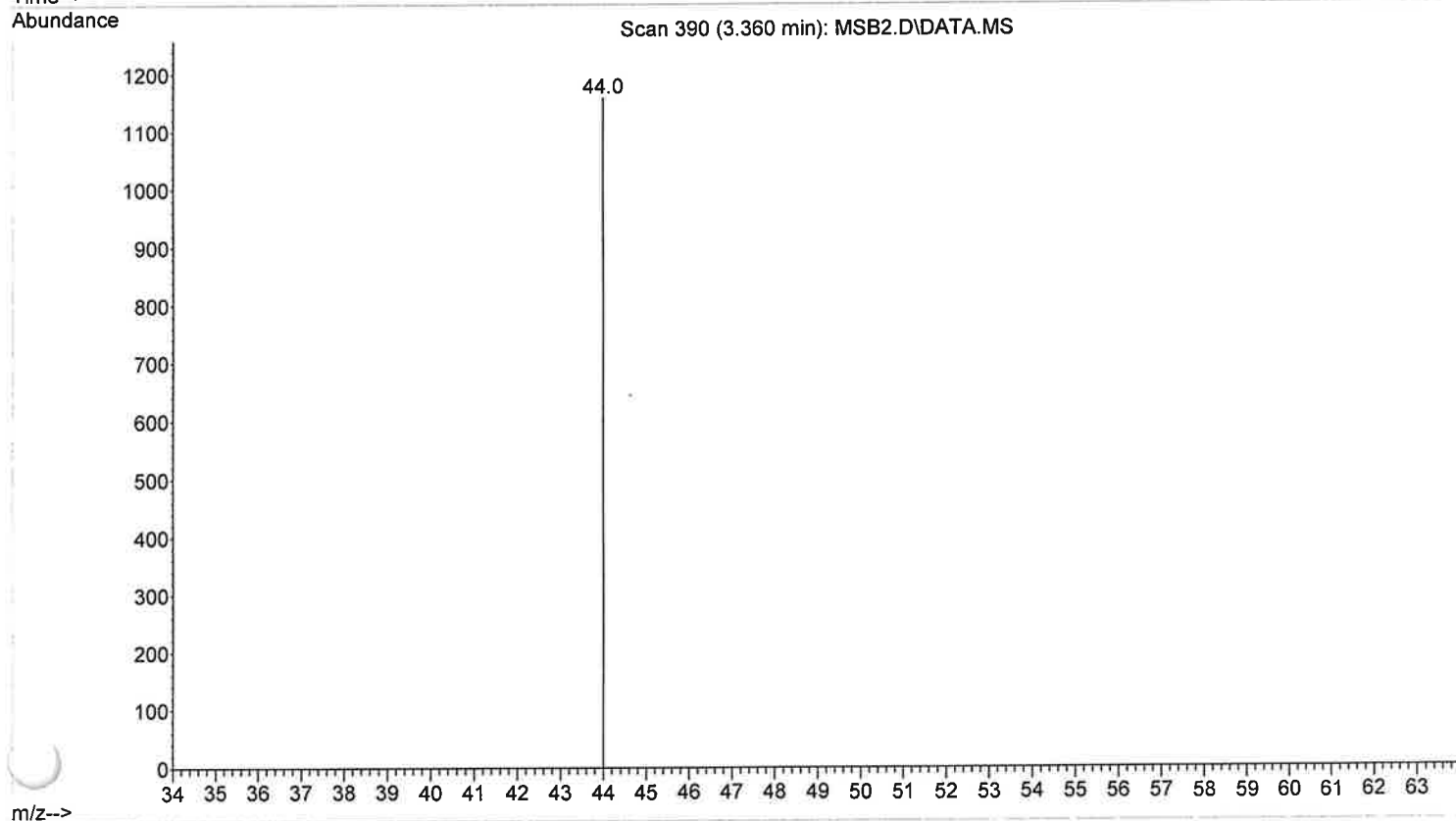
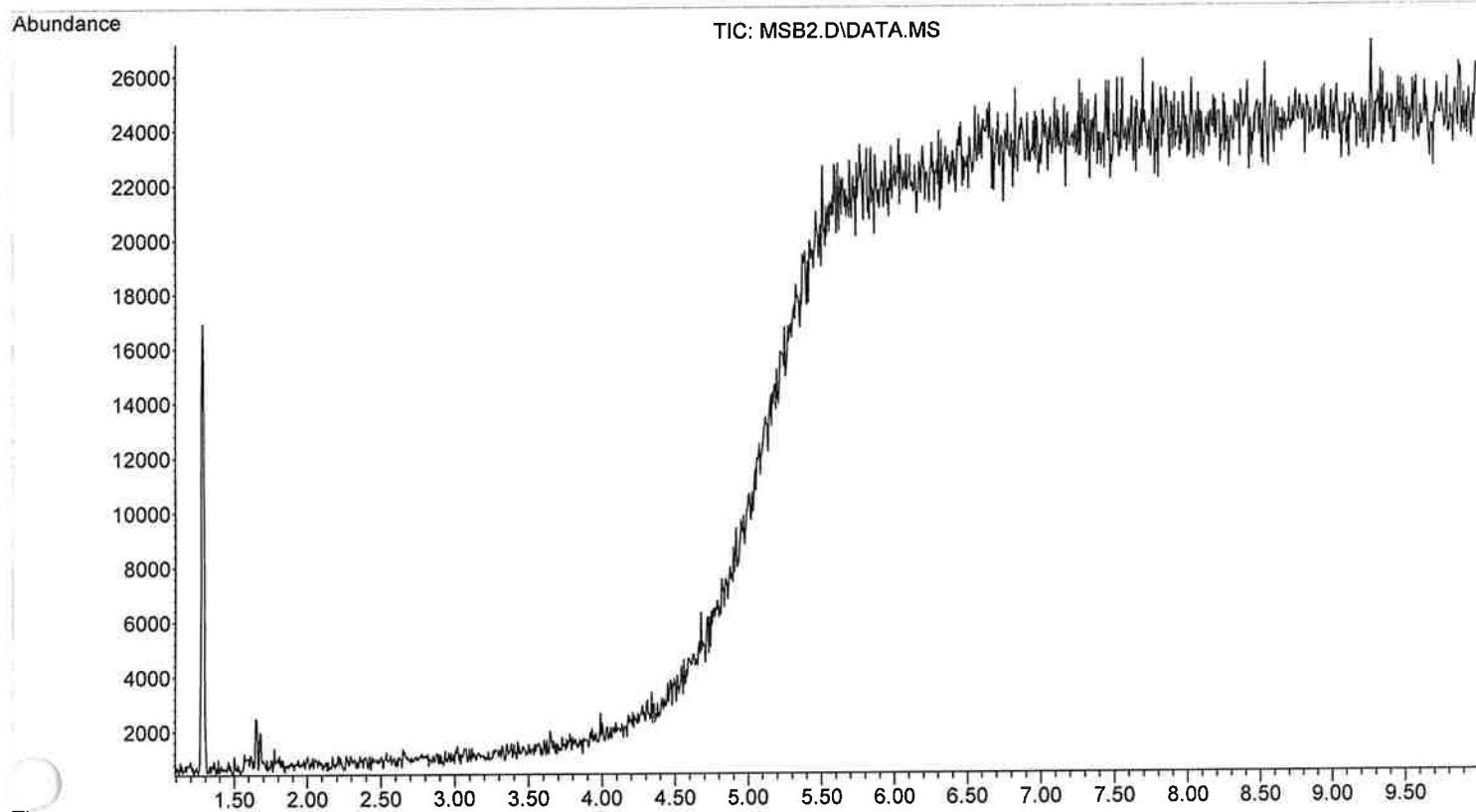
File :X:\2023\GJG\1-30-23\PCH1.D
Operator :
Acquired : 30 Jan 2023 11:29 using AcqMethod ASMSDRUGS60.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD MIX -- 60-280
Misc Info : PETHIDINE / COCAINE / HYROCODONE
Vial Number: 3



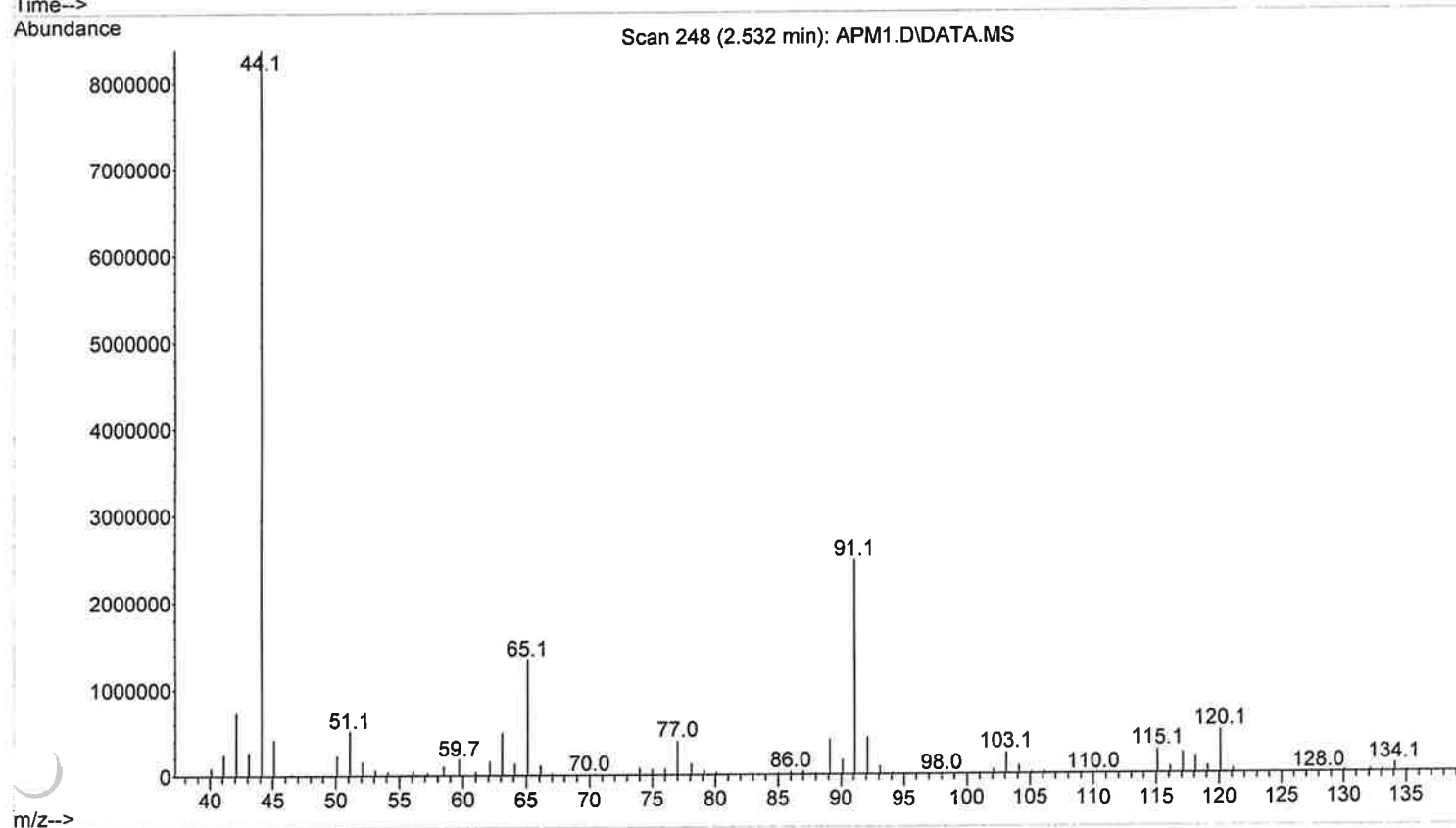
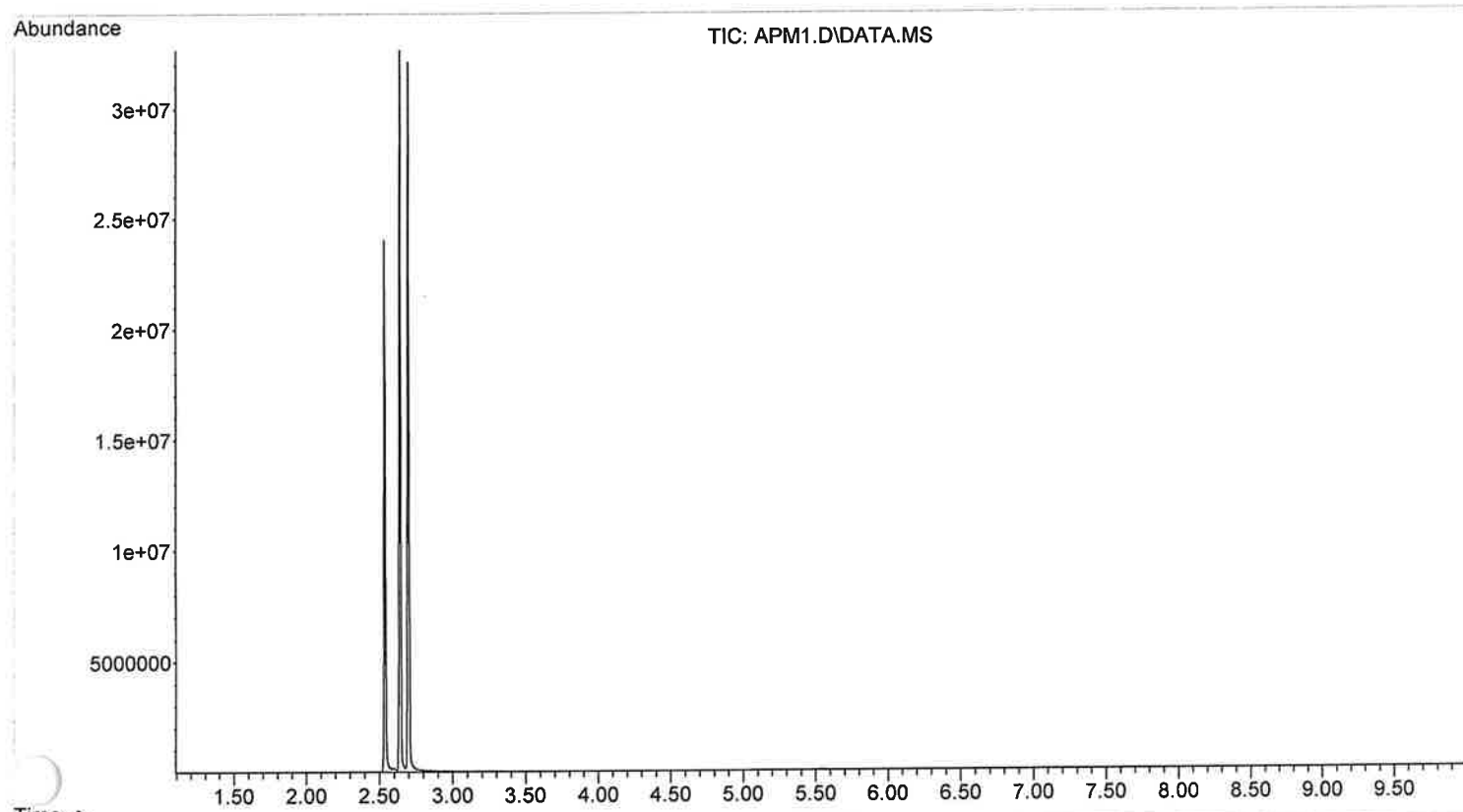
File :X:\2023\GJG\1-30-23\PCH1.D
Operator :
Acquired : 30 Jan 2023 11:29 using AcqMethod ASMSDRUGS60.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD MIX -- 60-280
Misc Info : PETHIDINE / COCAINE / HYROCODONE
Vial Number: 3



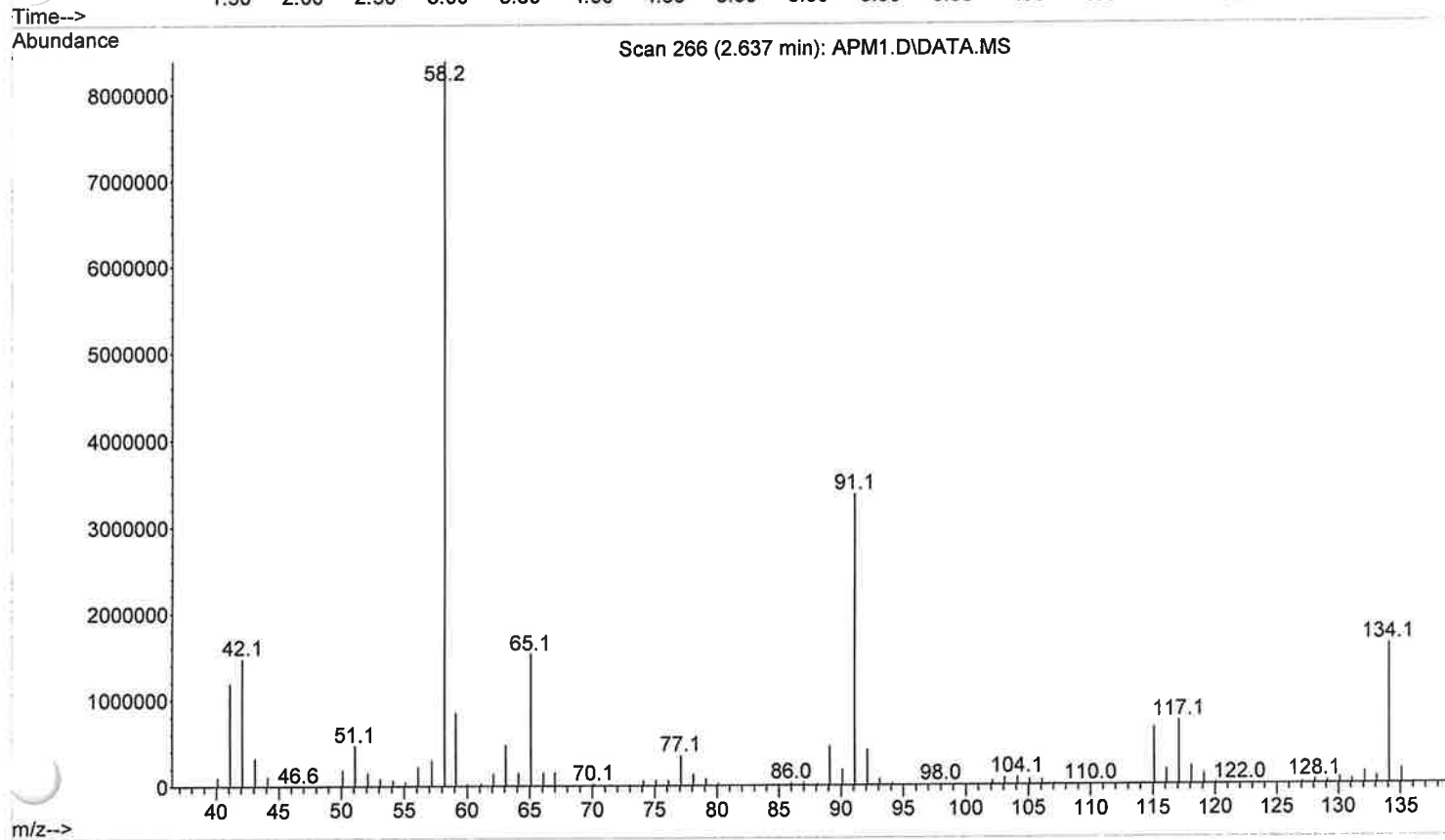
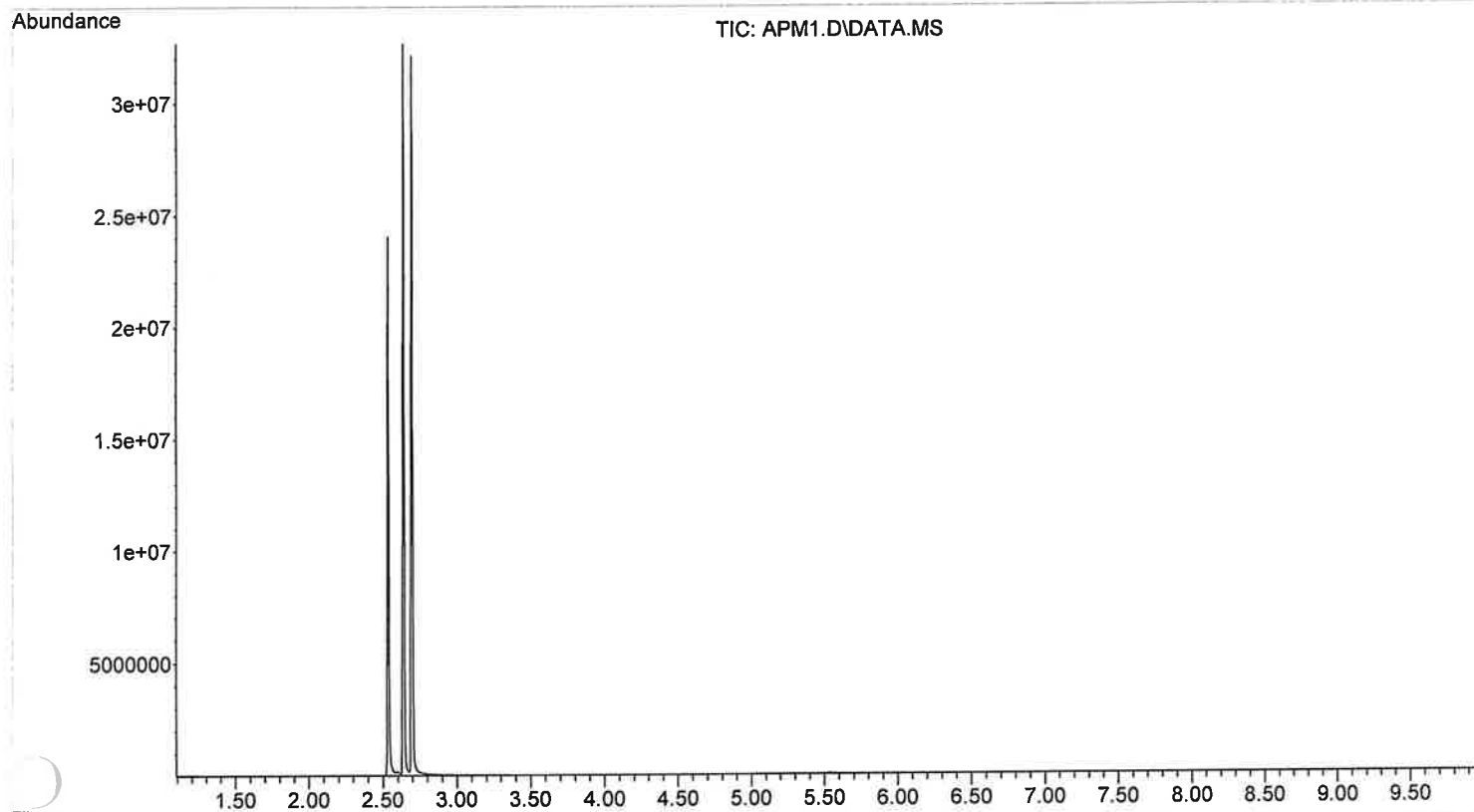
File :X:\2023\GJG\1-30-23\MSB2.D
Operator :
Acquired : 30 Jan 2023 11:51 using AcqMethod ASMSDRUGS60.M
Instrument : Eggroll
Sample Name: MEOH B FOR GC/IR TEST SOLUTION
Misc Info : 60-280
Vial Number: 2



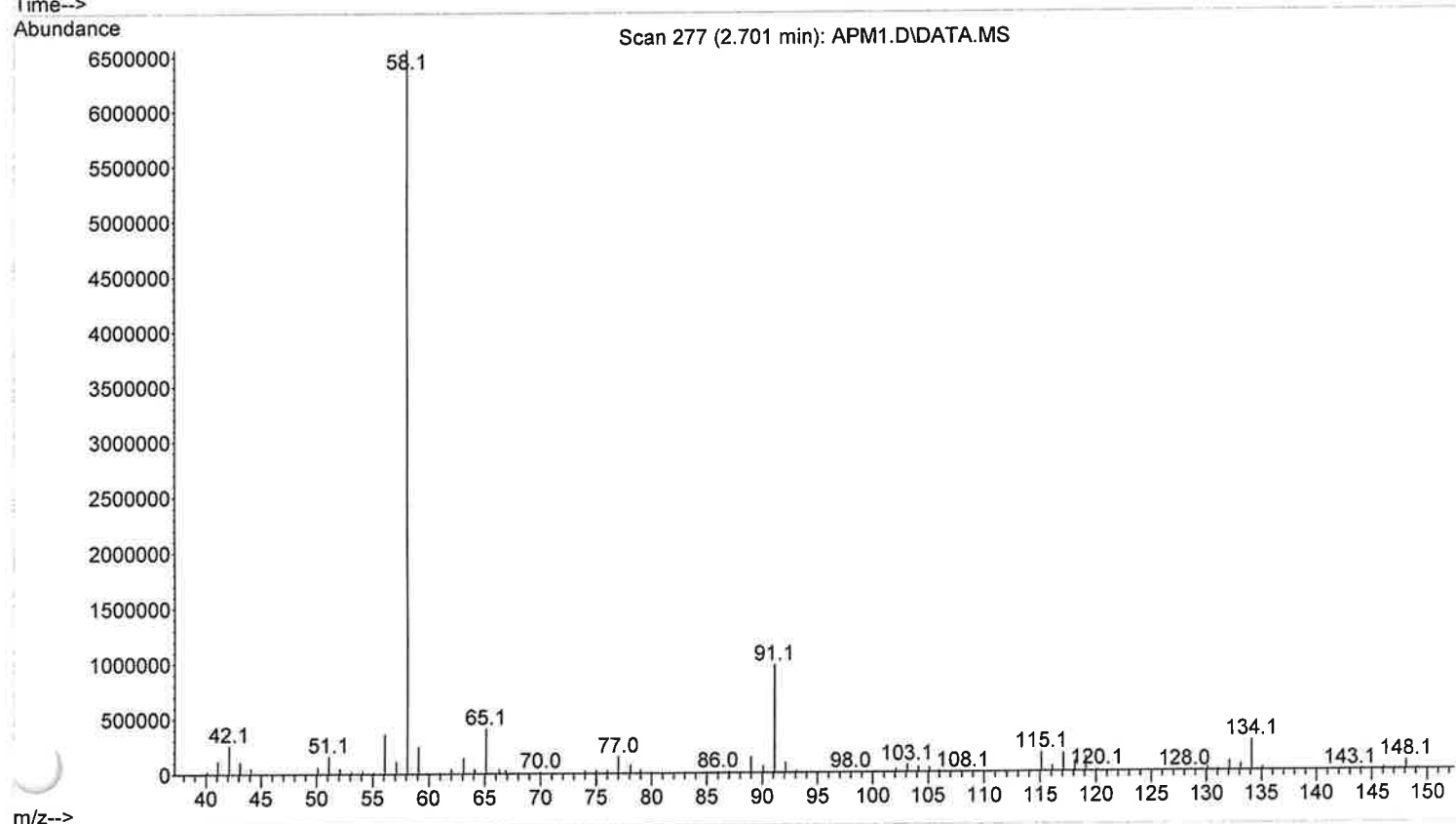
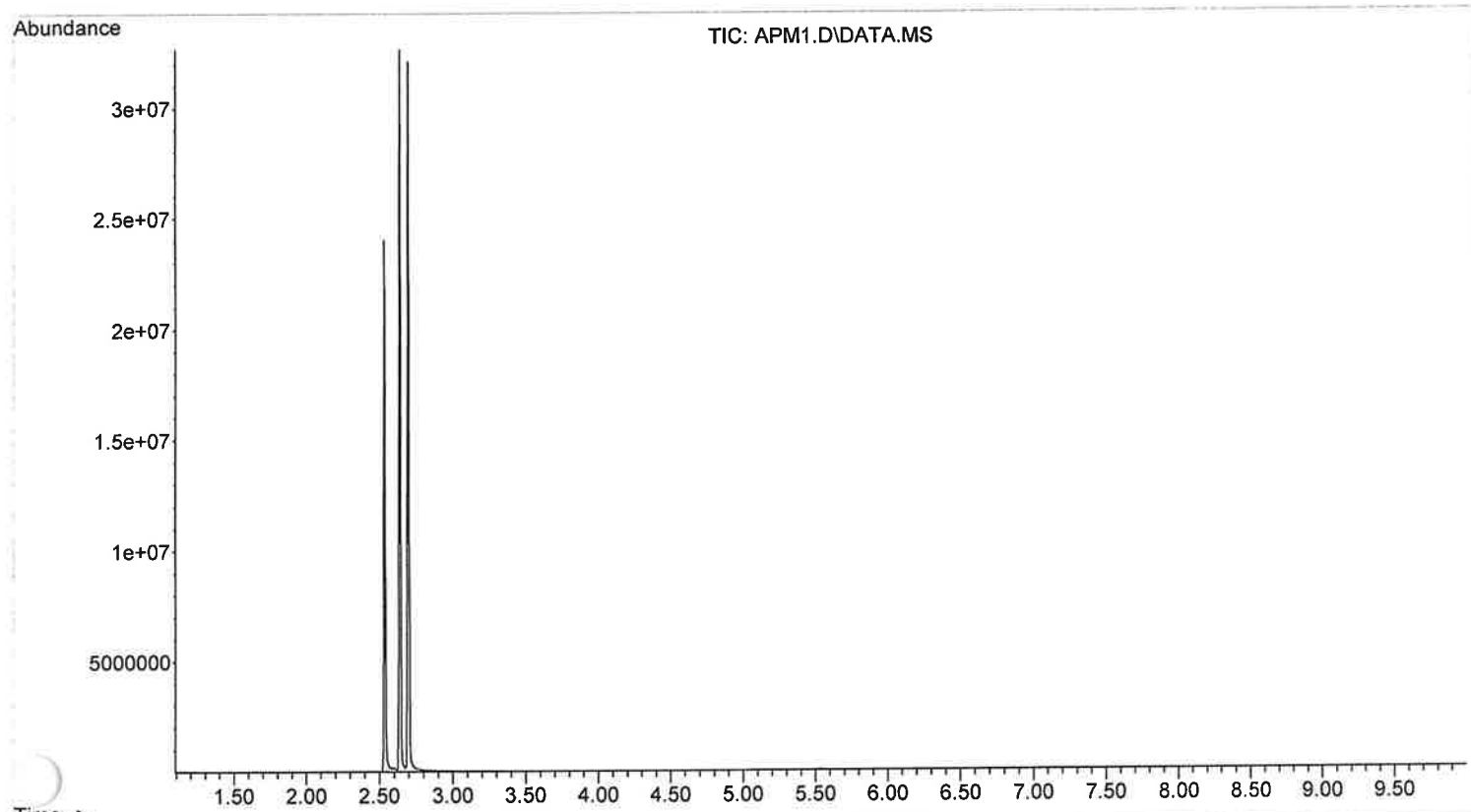
File :X:\2023\GJG\1-30-23\APM1.D
Operator :
Acquired : 30 Jan 2023 12:05 using AcqMethod ASMSDRUGS60.M
Instrument : Eggroll
Sample Name: GC/IR TEST SOLUTION -- 60-280
Misc Info : AMPHETAMINE / PHENTERMINE / METHAMPHETAMINE
Vial Number: 4



File :X:\2023\GJG\1-30-23\APM1.D
Operator :
Acquired : 30 Jan 2023 12:05 using AcqMethod ASMSDRUGS60.M
Instrument : Eggroll
Sample Name: GC/IR TEST SOLUTION -- 60-280
Misc Info : AMPHETAMINE / PHENTERMINE / METHAMPHETAMINE
Vial Number: 4



File :X:\2023\GJG\1-30-23\APM1.D
Operator :
Acquired : 30 Jan 2023 12:05 using AcqMethod ASMSDRUGS60.M
Instrument : Eggroll
Sample Name: GC/IR TEST SOLUTION -- 60-280
Misc Info : AMPHETAMINE / PHENTERMINE / METHAMPHETAMINE
Vial Number: 4



METHOD CONTROL PARAMETERS

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

Method Sections To Run:

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

Method Comments:

This is an auto sample method 100-280 / 30 minutes.

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

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

Scan Time Segments

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

Timed Events

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

Real-Time Plots

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

Self-Cleaning Ion Source Parameters

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

C:\MassHunter\GCMS\1\methods\ASMSDRUGSTI.M
Mon Jan 09 16:09:50 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 100 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 26.43 min

Equilibration Time 0.5 min
M Temperature 450 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 3
Solvent A Volume 3 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 3
Solvent B Volume 3 µL
Sample Washes 1
Sample Wash Volume 2 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
Injection Type Standard
L1 Airgap 0.2 µL

Solvent Wash Mode

A, B

Back Injector

Syringe Size	10 µL
Injection Volume	1 µL
Solvent A Washes (PreInj)	2
Solvent A Washes (PostInj)	3
Solvent A Volume	3 µL
Solvent B Washes (PreInj)	2
Solvent B Washes (PostInj)	3
Solvent B Volume	3 µL
Sample Washes	2
Sample Wash Volume	1 µL
Sample Pumps	3
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Solvent Wash Mode	A, B

Sample Overlap
Mode

Sample overlap is not enabled

ALS Errors

Pause for user interaction

Front SS Inlet He

Excluded from Readiness

Mode

Heater

Pressure

Total Flow

Septum Purge Flow

Gas Saver

Split Ratio

Split Flow

Liner

Excluded from Affecting GC's Readiness State

Split

On 250 °C

On 8.5 psi

On 45.194 mL/min

On 3 mL/min

Off

50 :1

41.367 mL/min

A Liner has not been selected.

Back SS Inlet He

Excluded from Readiness

Mode

Heater

Pressure

Total Flow

Septum Purge Flow

Gas Saver

Split Ratio

Split Flow

Liner

Excluded from Affecting GC's Readiness State

Split

On 250 °C

On 8.5 psi

On 141.9 mL/min

On 3 mL/min

Off

50 :1

136.18 mL/min

A Liner has not been selected.

Thermal Aux 2 (MSD Transfer Line)

Temperature

Setpoint

(Initial)

On

280 °C

Excluded from Readiness

Excluded from Affecting GC's Readiness State

Column

Column #1	
Flow	On
Setpoint	0.82733 mL/min
(Initial)	3.5062 mL/min
Post Run	
Column Information	19091S-602
HP-IMS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm (Calibrated)
In	Front SS Inlet He
Out	MSD
(Initial)	100 °C
Pressure	8.5 psi
Flow	0.82733 mL/min
Average Velocity	52.55 cm/sec
Holdup Time	0.39644 min
Control Mode	Constant Flow
Column #2	
Pressure	
Setpoint	On
(Initial)	8.5 psi
Post Run	10 psi
Column Information	19091S-913
HP-IMS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	15 m x 320 µm x 0.25 µm (Calibrated)
In	Back SS Inlet He
Out	Other
(Initial)	100 °C
Pressure	8.5 psi
Flow	2.7236 mL/min
Average Velocity	54.059 cm/sec
Holdup Time	0.46246 min
Control Mode	Constant Pressure
Column Outlet Pressure	0 psi
Front Detector FID	
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Makeup	He
Heater	On 300 °C
H2 Flow	Off
Air Flow	Off
Makeup Flow	Off
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	Off
Signals	
Signal #1: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	Off
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #2: Test Plot	
Description	Test Plot
Save	Off
Data Rate	50 Hz
Dual Injection Assignment	Front Sample

Signal #3: Test Plot
Description
Save
Data Rate
Dual Injection Assignment

Test Plot
Off
50 Hz
Back Sample

Signal #4: Test Plot
Description
Save
Data Rate
Dual Injection Assignment

Test Plot
Off
50 Hz
Back Sample

TUNE PARAMETERS for SN: US61633037

Trace Ion Detection is OFF.

34.610 : EMISSION
70.347 : ENERGY
34.961 : REPELLER
88.259 : IONFOCUS
25.500 : ENTRANCE_LENS
1435.294 : EMVOLTS

1635.294 : Actual EMV
1.02 : GAIN FACTOR

2126.000 : AMUGAIN
120.563 : AMUOFFSET
1.000 : FILAMENT
0.000 : DCPOLARITY
18.824 : ENTLENSOFFSET
-575.000 : MASSGAIN
34.000 : MASSOFFSET

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

Method Path : C:\MassHunter\GCMS\1\methods\

Method File : ASMSDRUGSTI.M

Title :

Update :

Response Via : Initial Calibration

Total Cpnds : 0

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

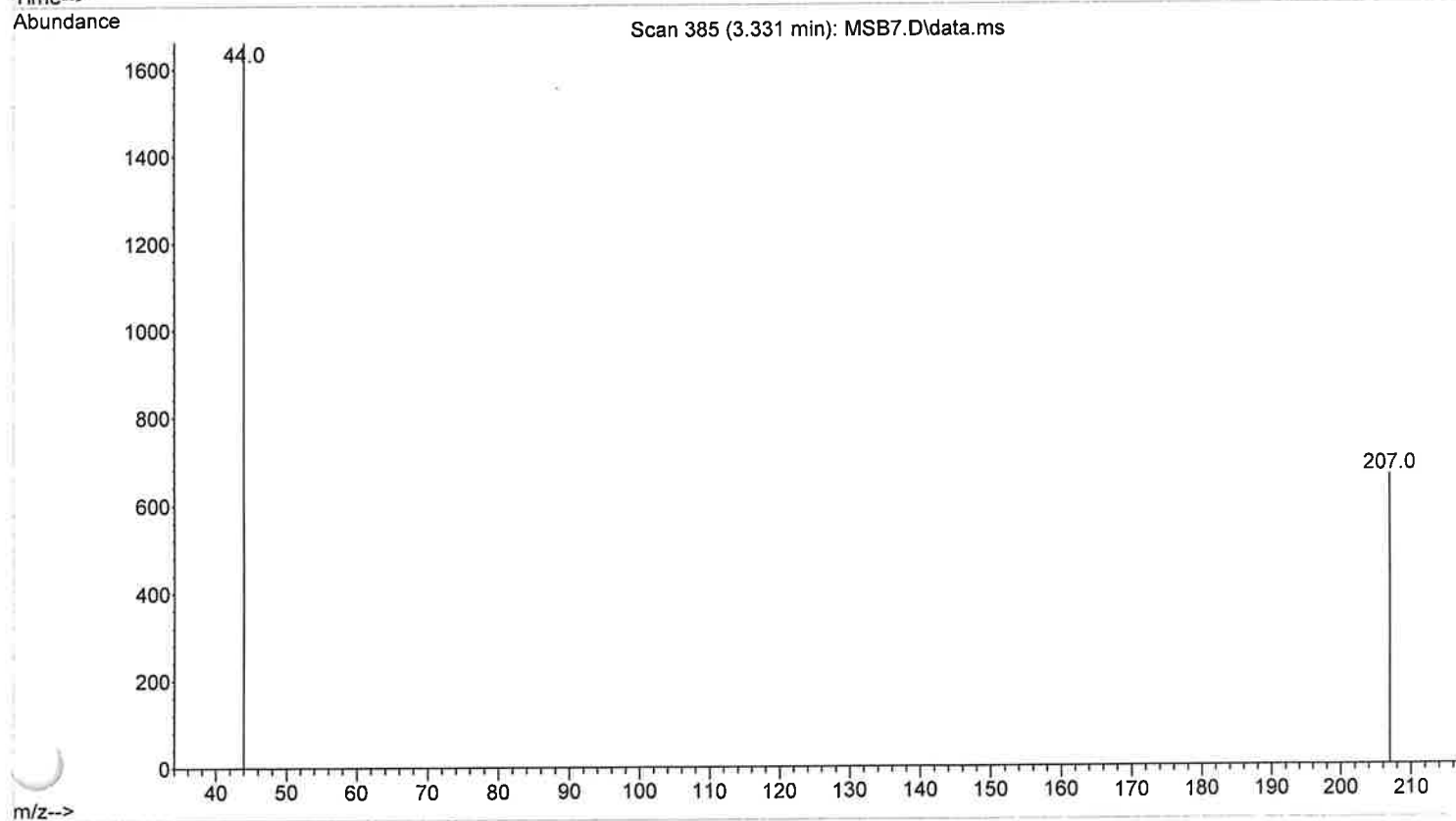
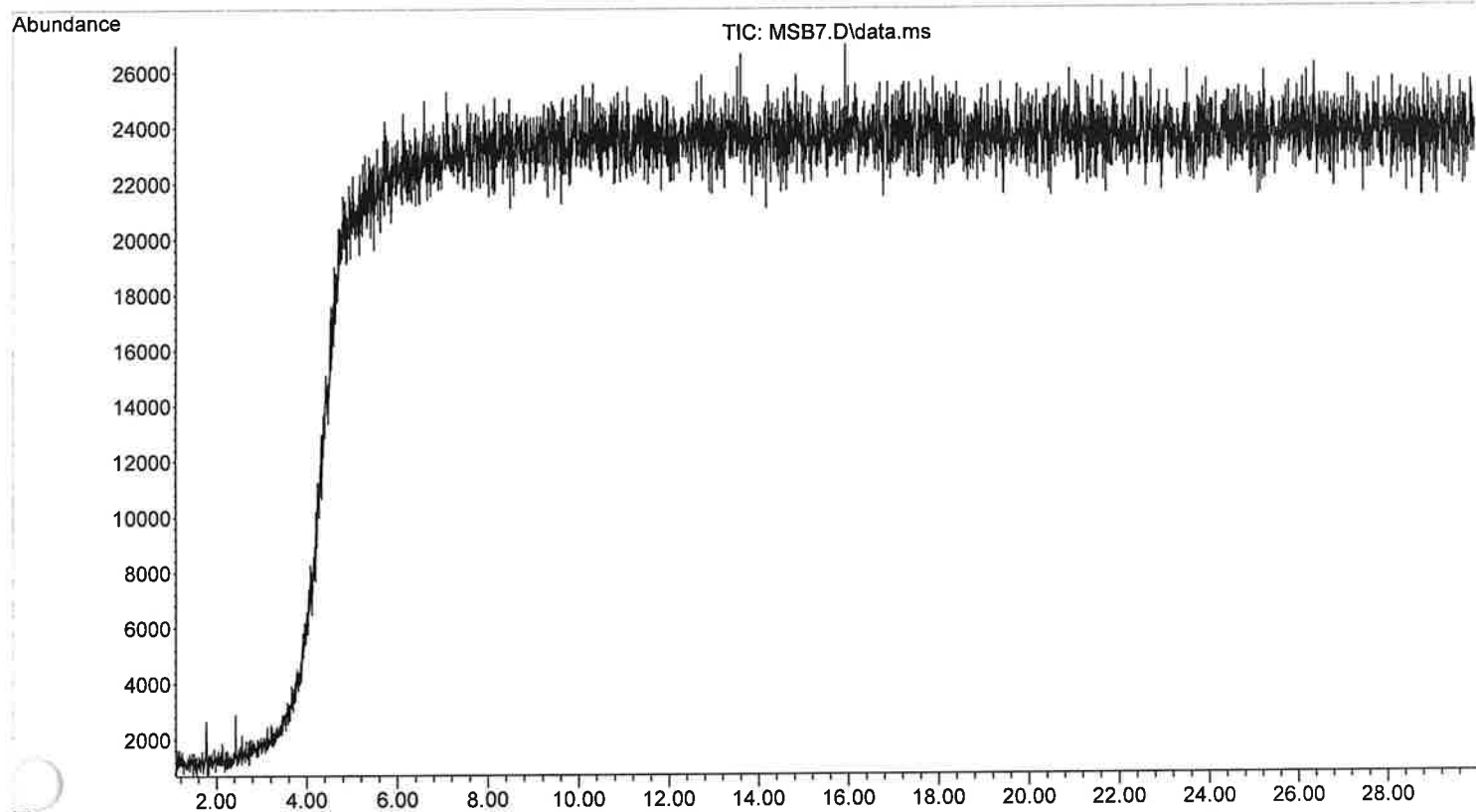
Cal A = Average L = Linear LO = Linear w/origin Q = Quad Q0 = Quad w/origin

#Qual = number of qualifiers

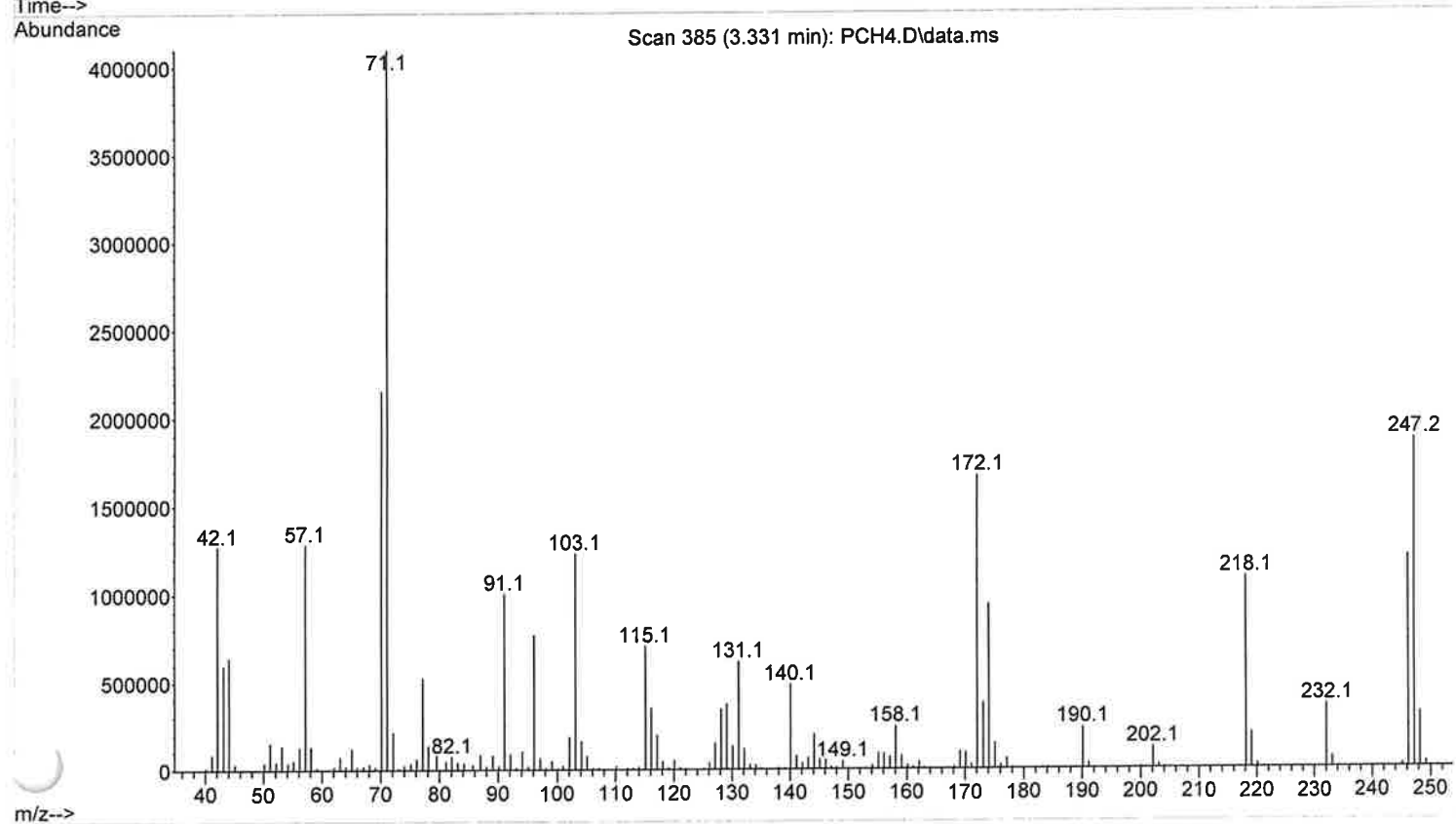
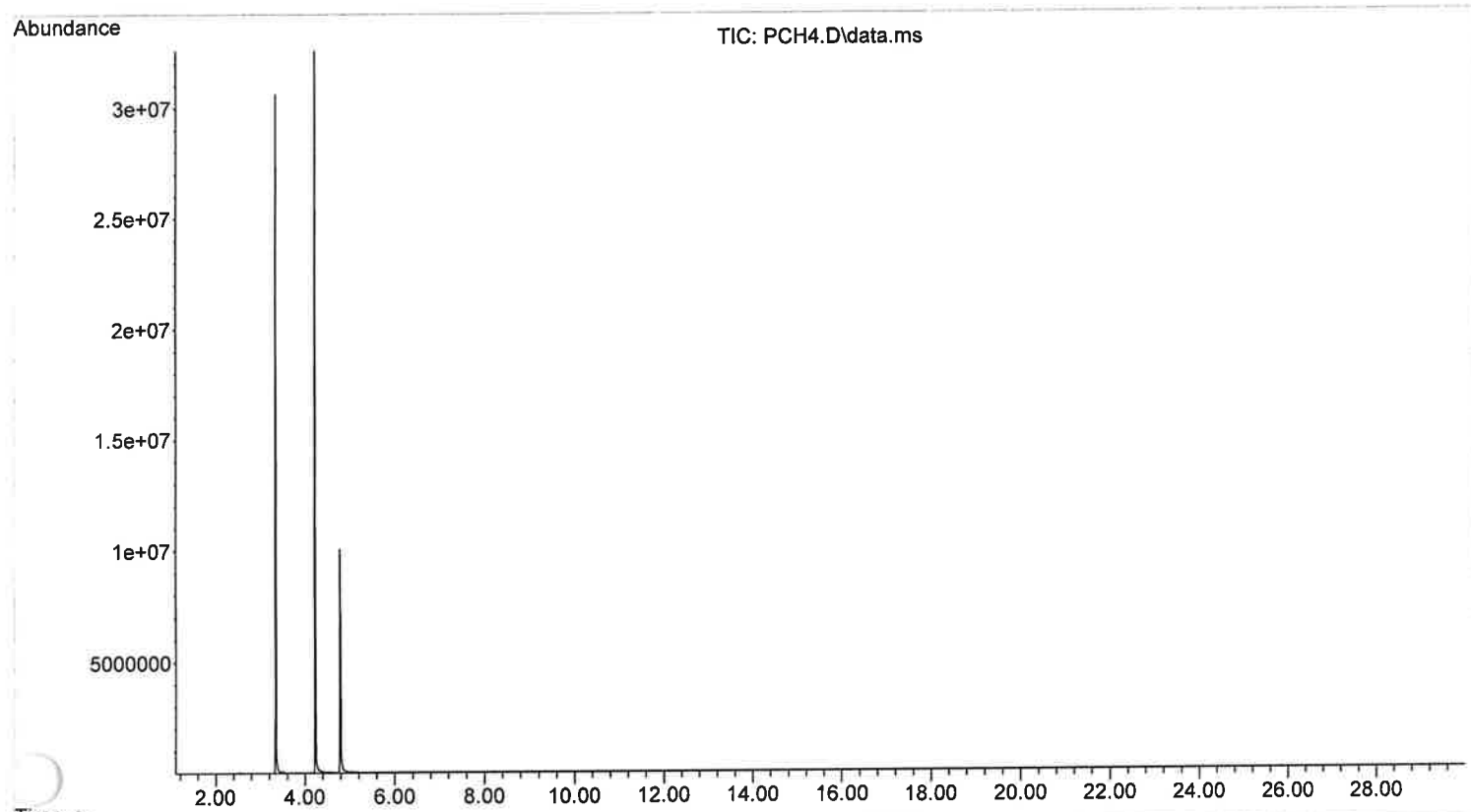
A/H = Area or Height

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

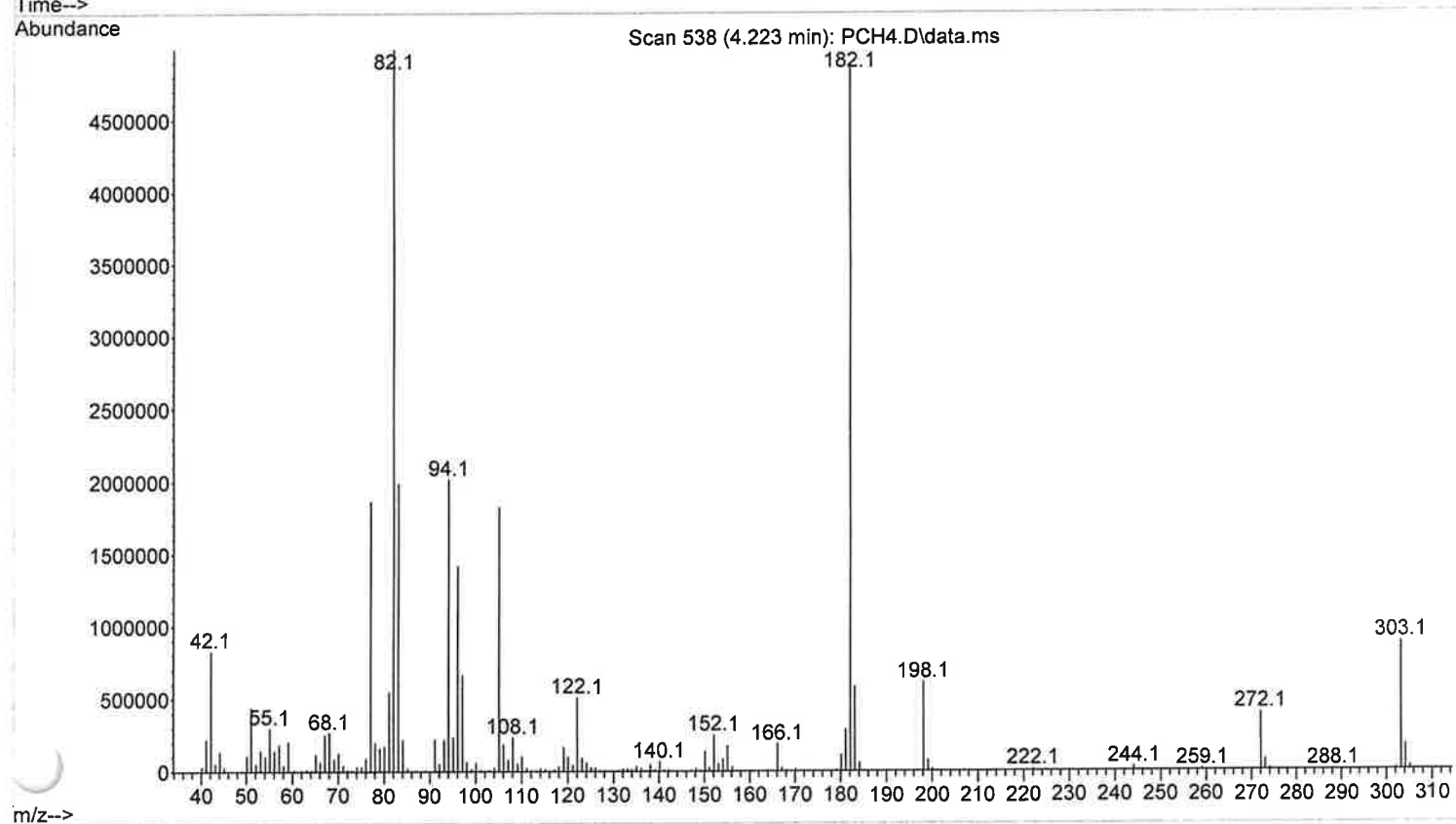
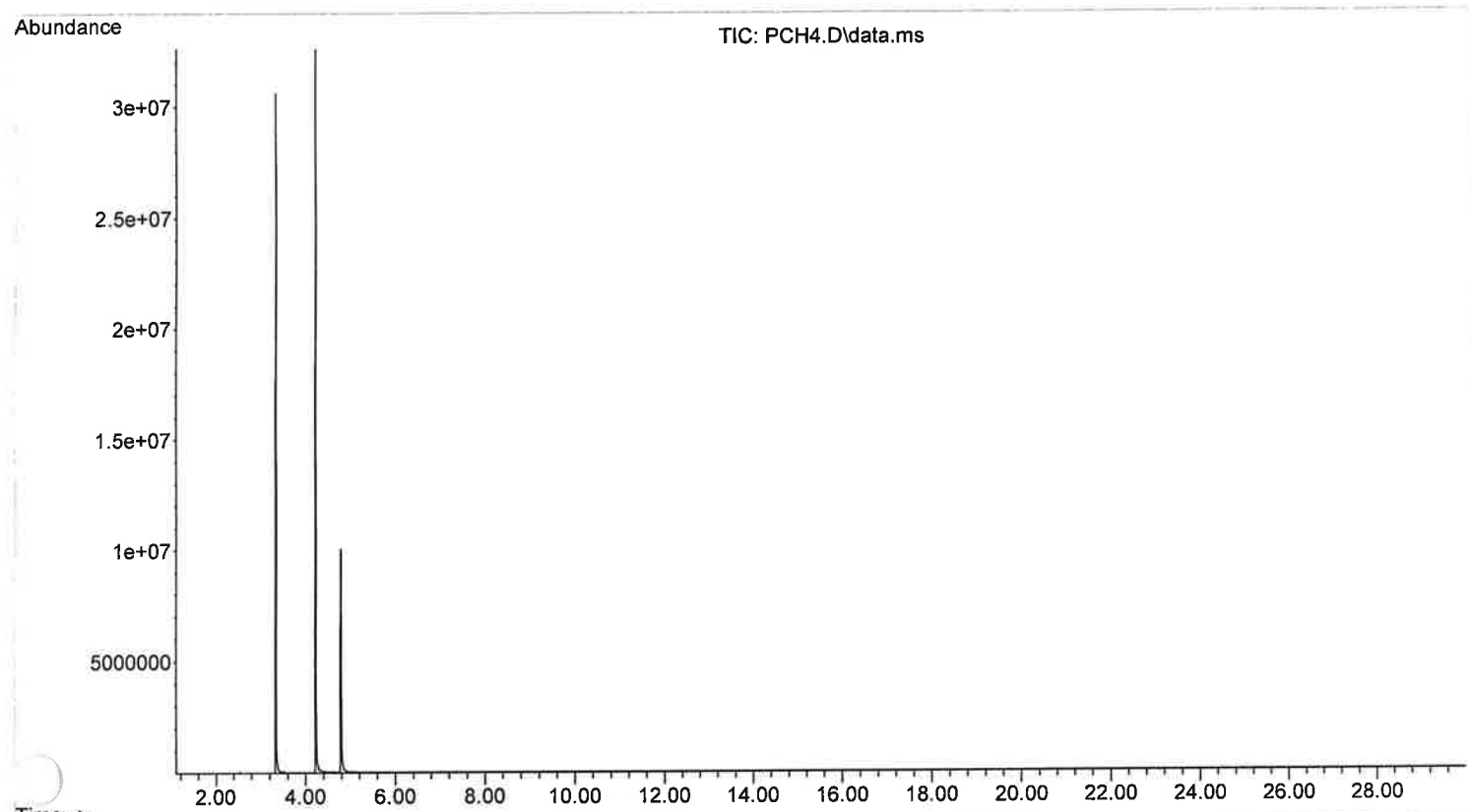
File :X:\2023\GJG\1-30-23\MSB7.D
Operator :
Acquired : 30 Jan 2023 14:26 using AcqMethod ASMSDRUGSTI.M
Instrument : Eggroll
Sample Name: MEOH B FOR CALIBRATION STANDARD MIX
Misc Info : 100-280
Vial Number: 2



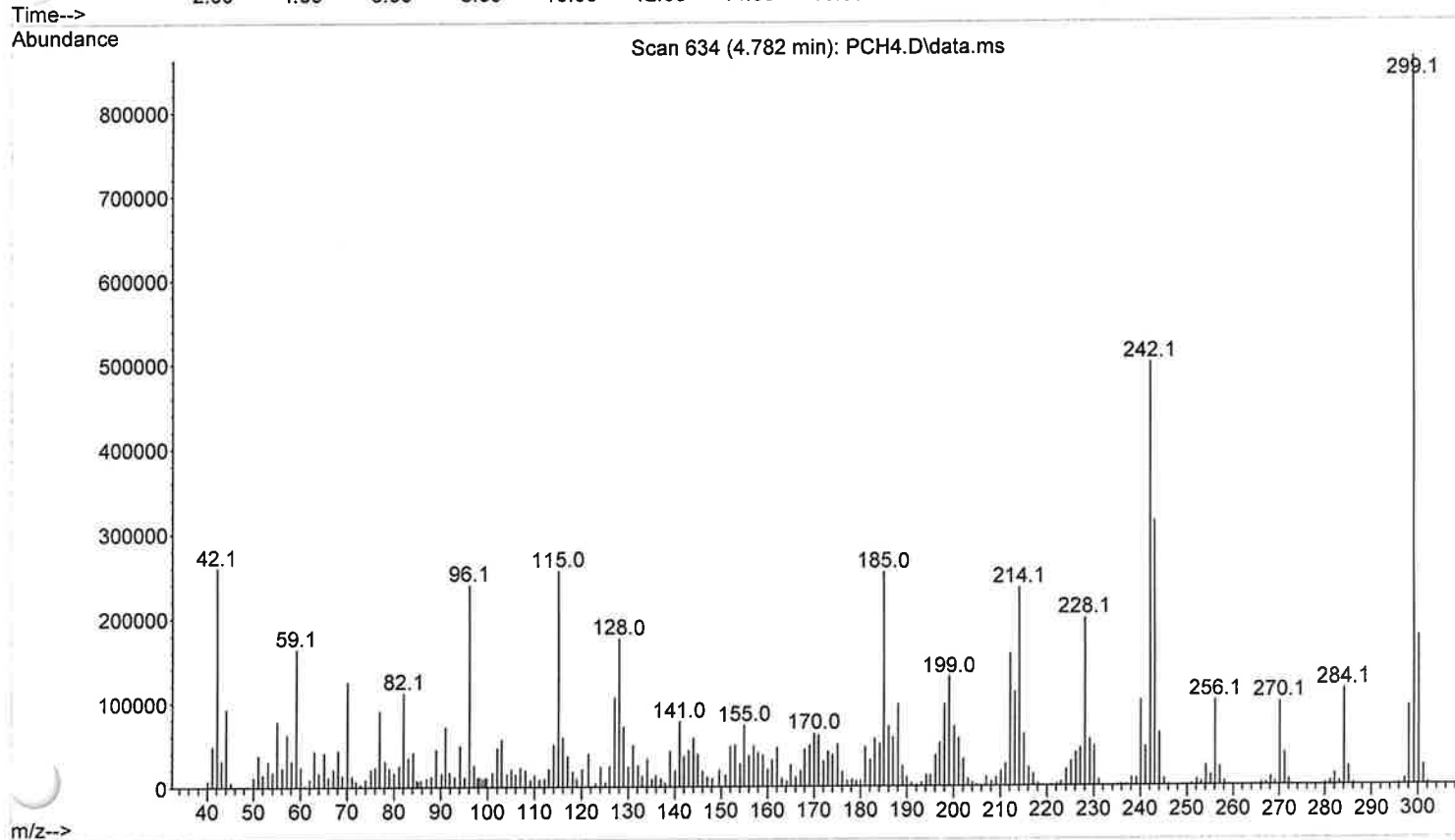
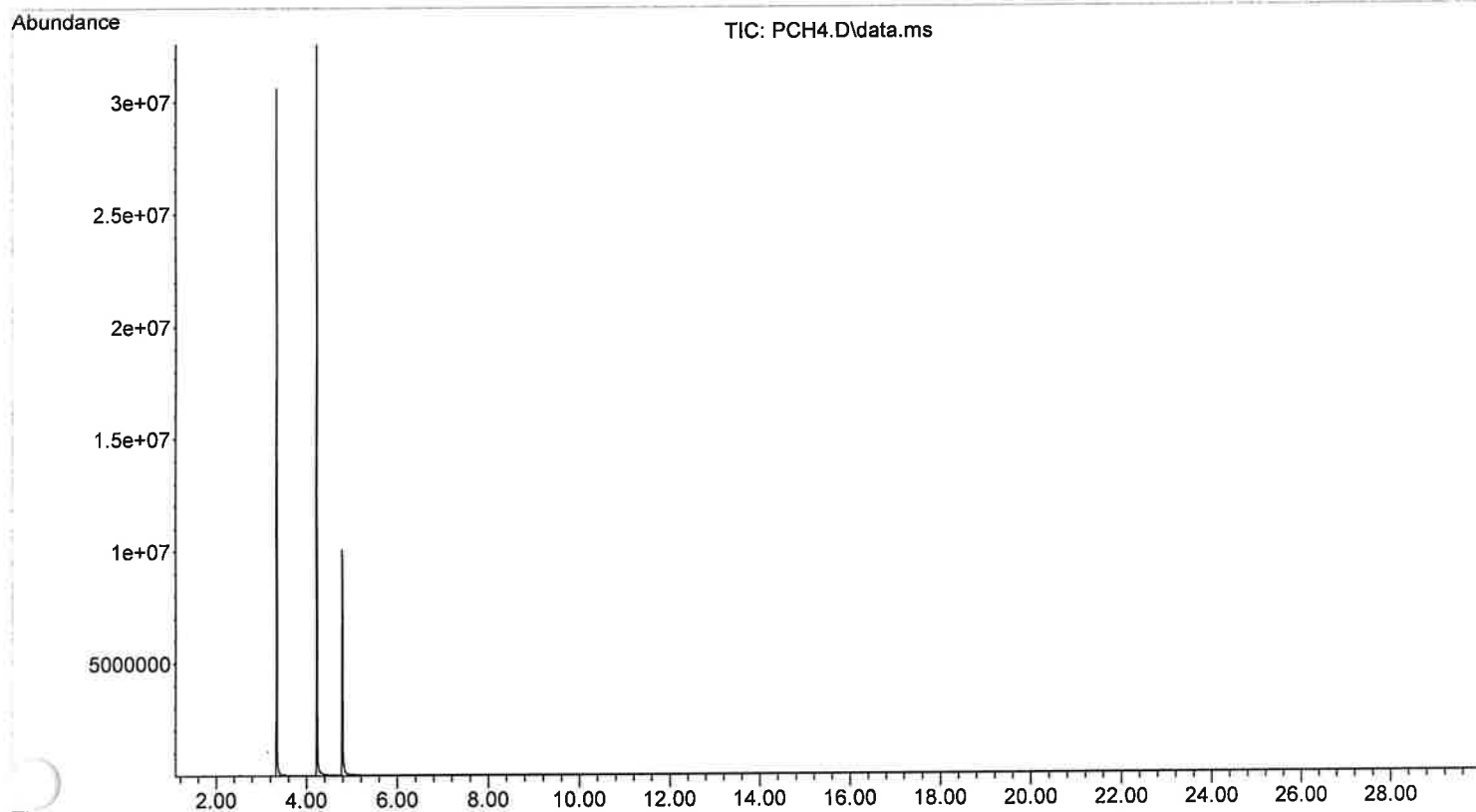
File :X:\2023\GJG\1-30-23\PCH4.D
Operator :
Acquired : 30 Jan 2023 14:59 using AcqMethod ASMSDRUGSTI.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD MIX -- 100-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 3



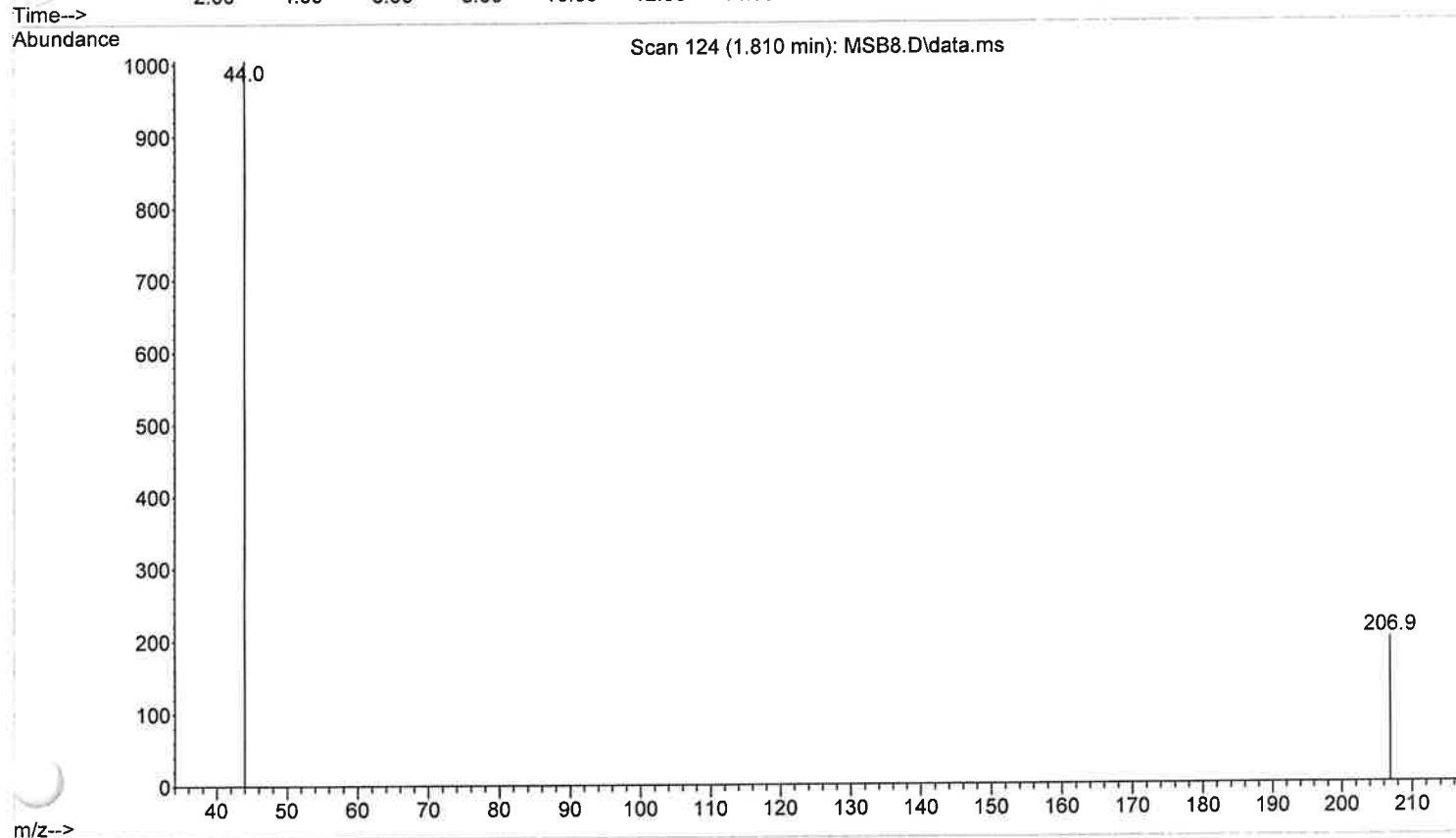
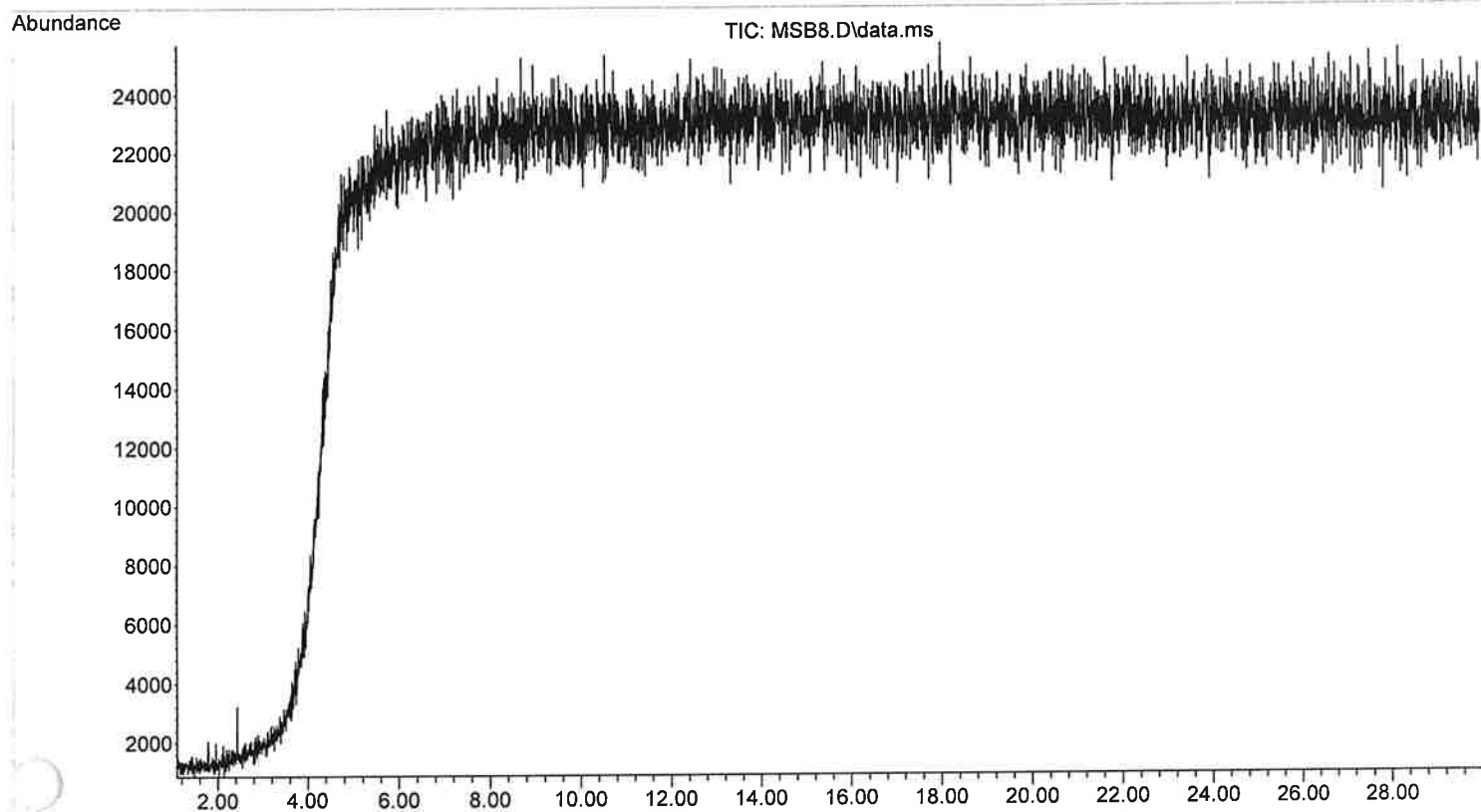
File :X:\2023\GJG\1-30-23\PCH4.D
Operator :
Acquired : 30 Jan 2023 14:59 using AcqMethod ASMSDRUGSTI.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD MIX -- 100-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 3



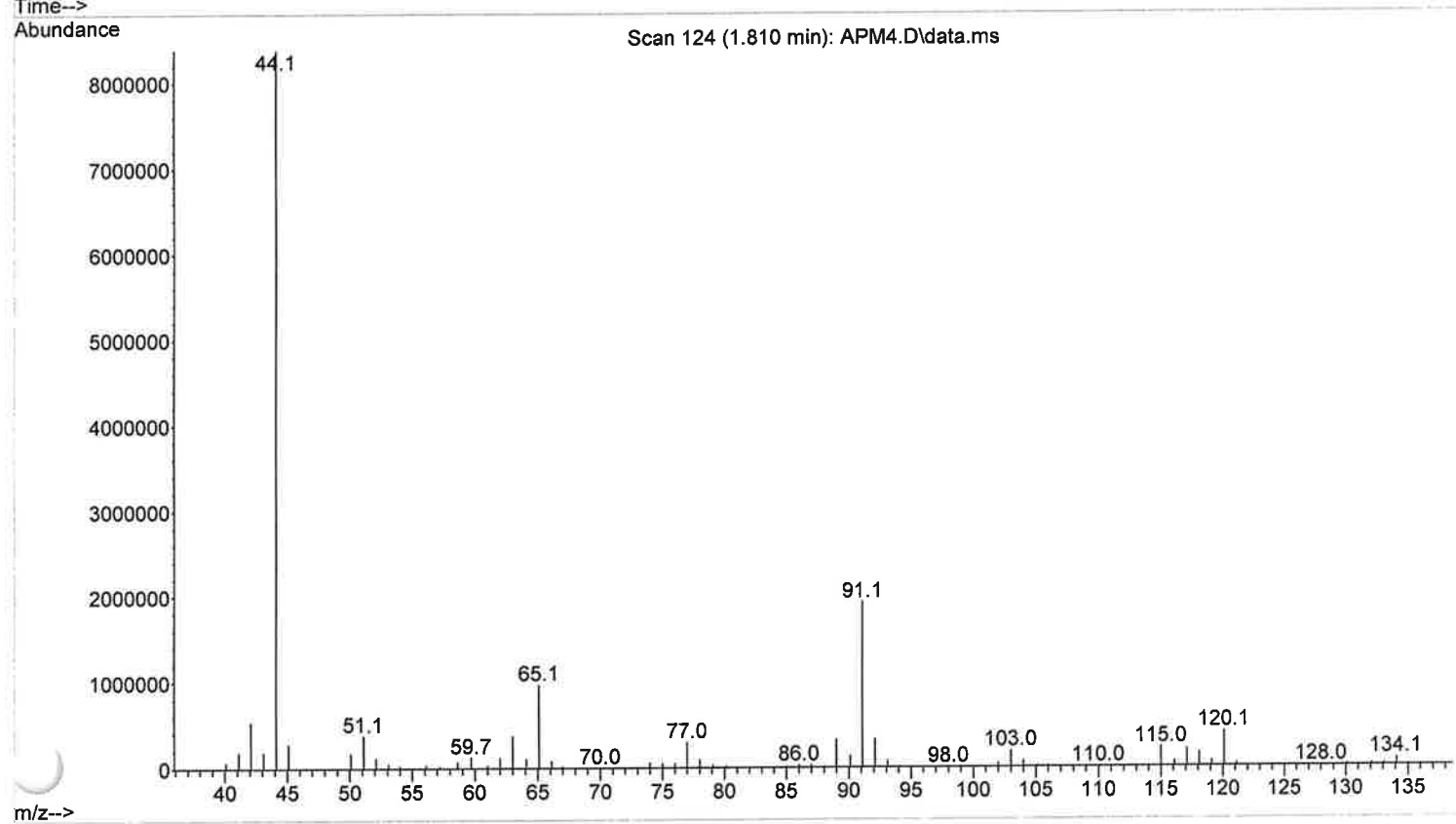
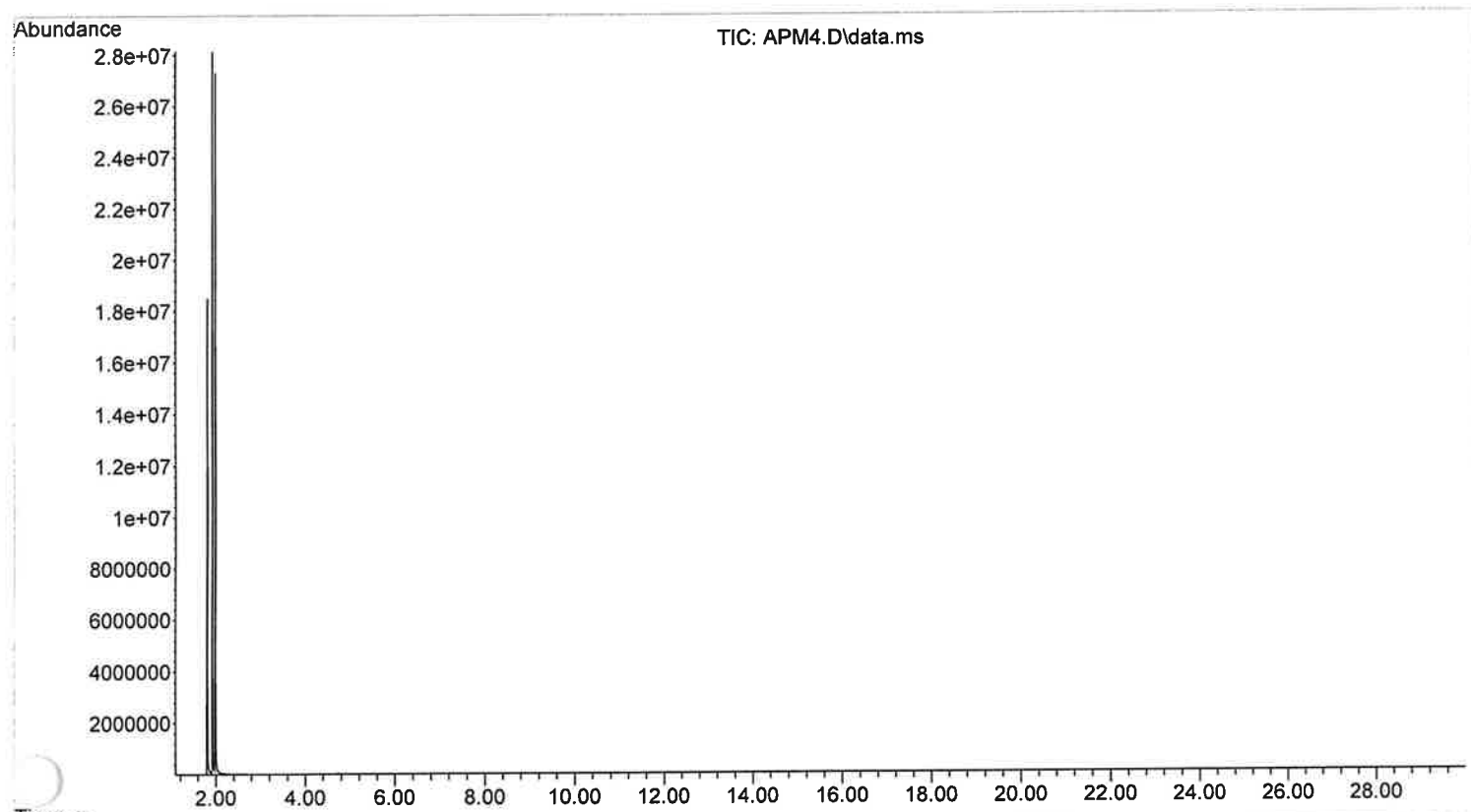
File :X:\2023\GJG\1-30-23\PCH4.D
Operator :
Acquired : 30 Jan 2023 14:59 using AcqMethod ASMSDRUGSTI.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD MIX -- 100-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 3



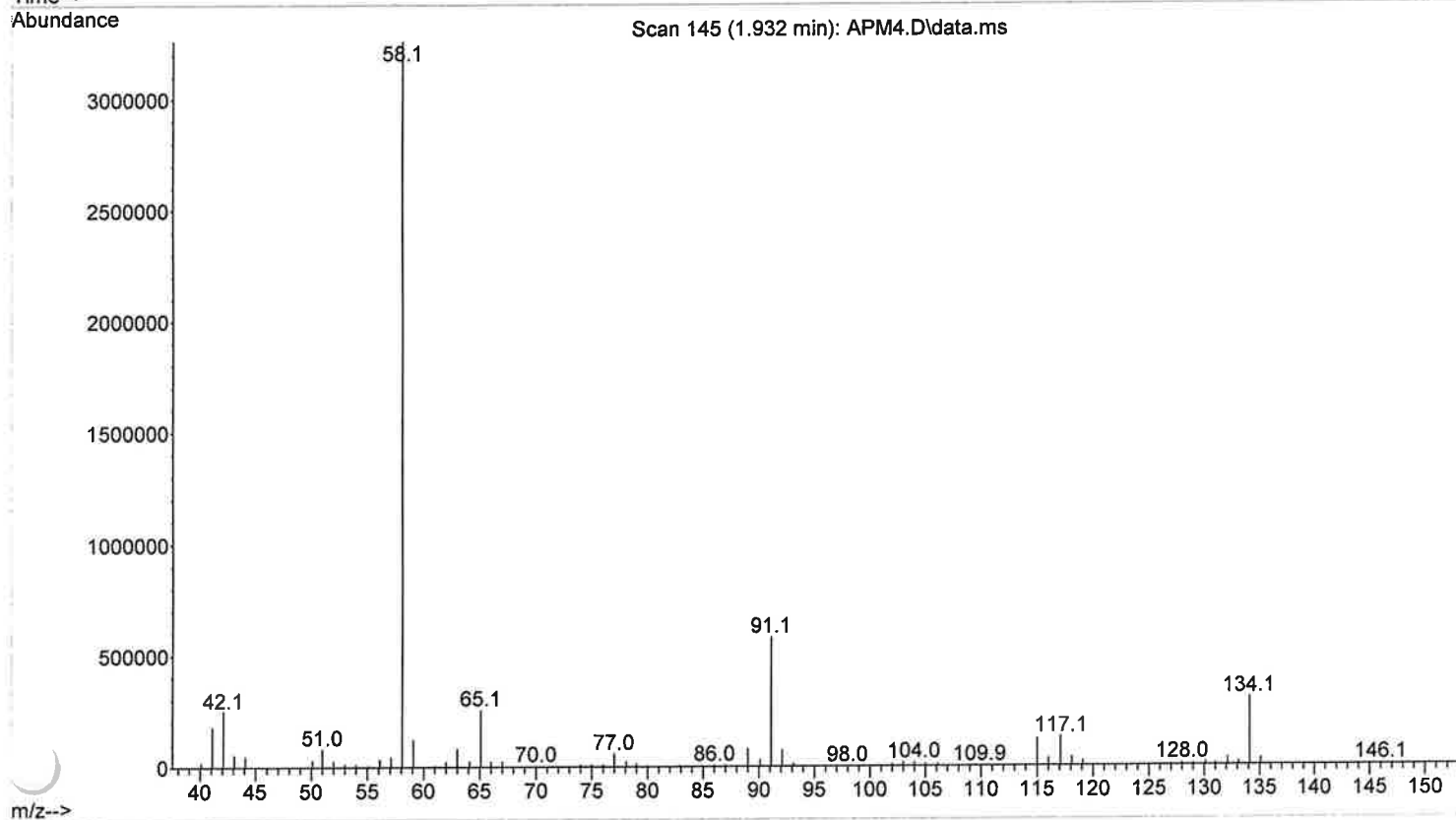
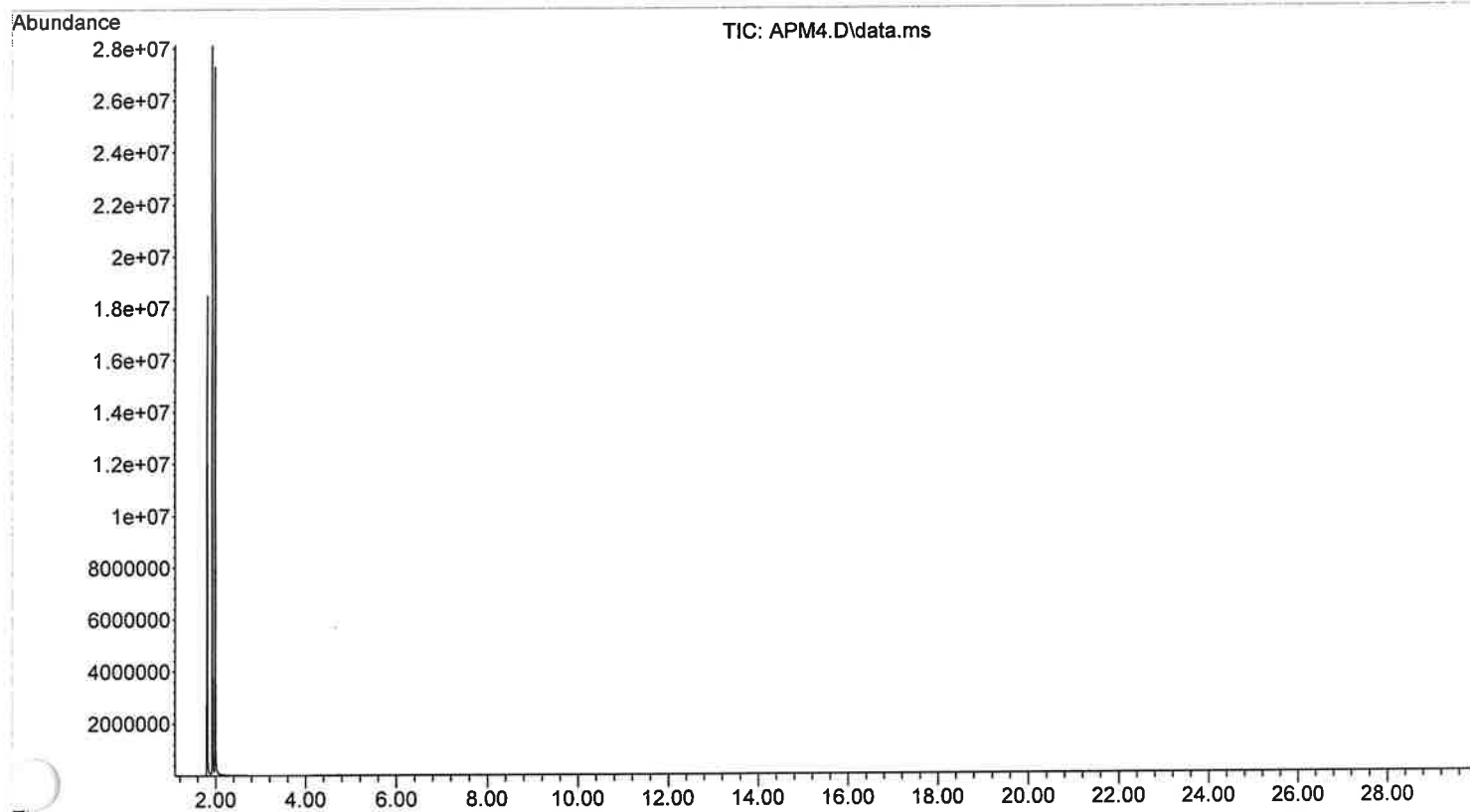
File :X:\2023\GJG\1-30-23\MSB8.D
Operator :
Acquired : 30 Jan 2023 15:41 using AcqMethod ASMSDRUGSTI.M
Instrument : Eggroll
Sample Name: MEOH B FOR GC/IR TEST SOLUTION
Misc Info : 100-280
Vial Number: 2



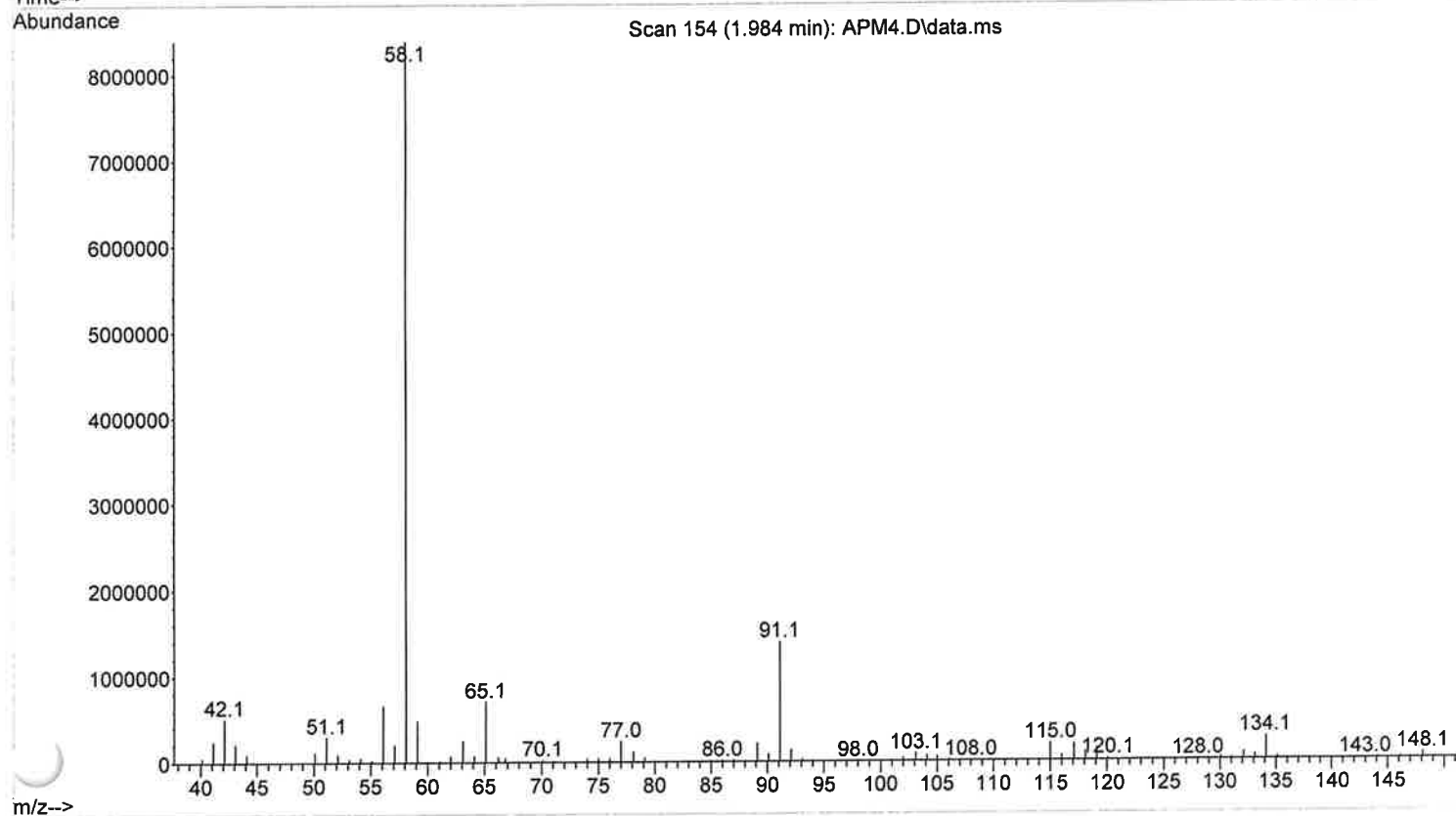
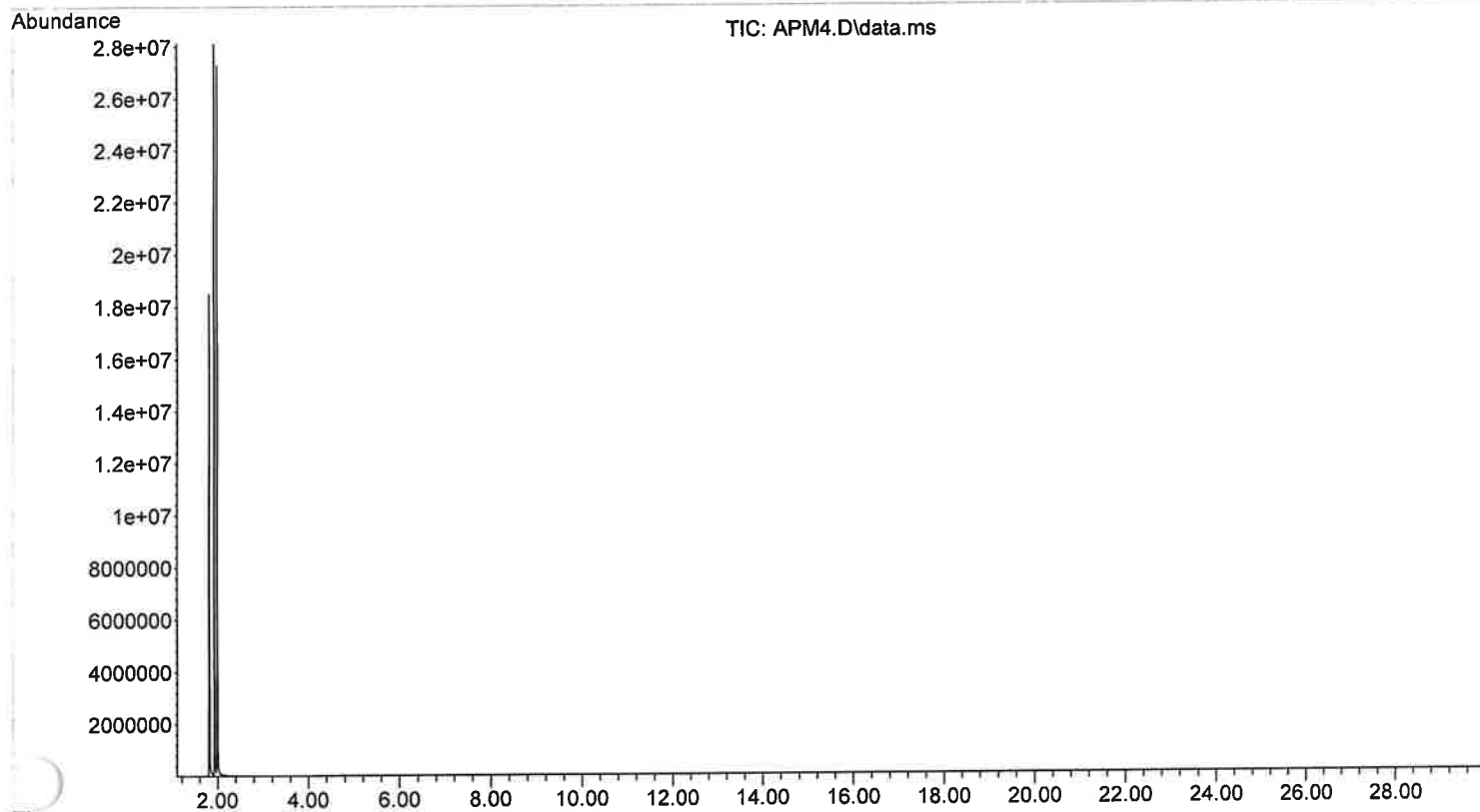
File :X:\2023\GJG\1-30-23\APM4.D
Operator :
Acquired : 30 Jan 2023 16:13 using AcqMethod ASMSDRUGSTI.M
Instrument : Eggroll
Sample Name: GC/IR TEST SOLUTION -- 100-280
Misc Info : AMPHETAMINE / PHENTERMINE / METHAMPHETAMINE
Vial Number: 4



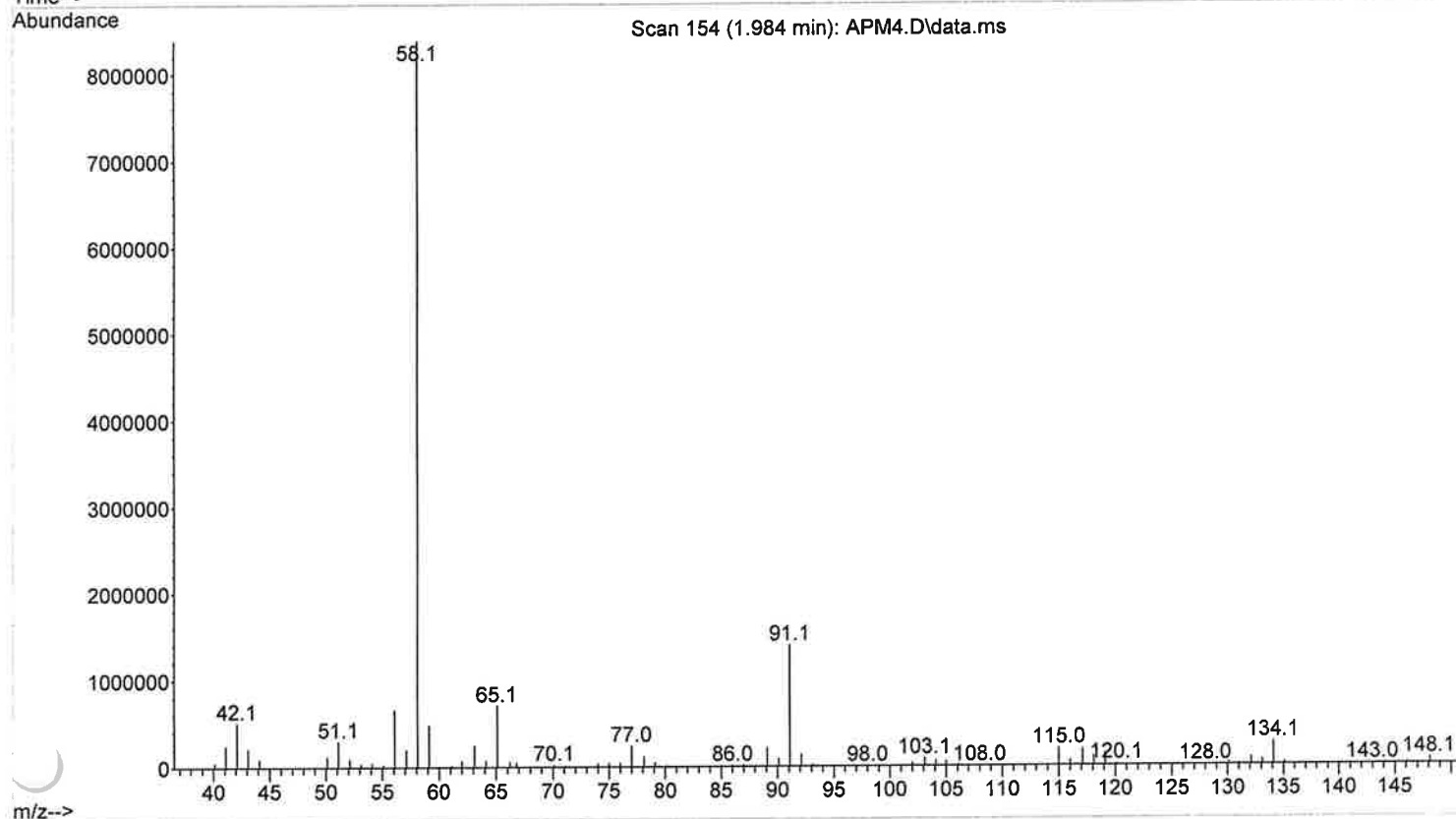
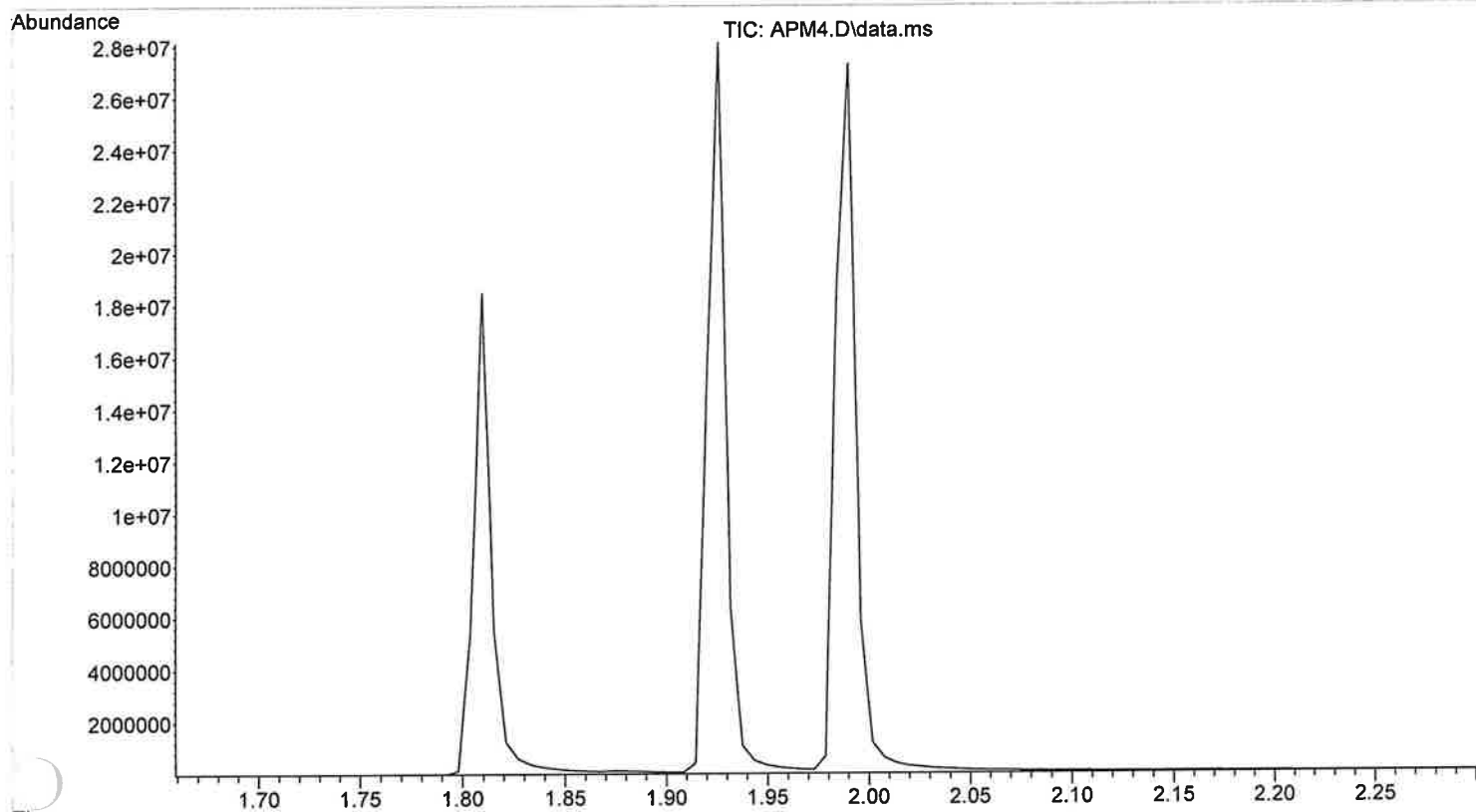
File :X:\2023\GJG\1-30-23\APM4.D
Operator :
Acquired : 30 Jan 2023 16:13 using AcqMethod ASMSDRUGSTI.M
Instrument : Eggroll
Sample Name: GC/IR TEST SOLUTION -- 100-280
Misc Info : AMPHETAMINE / PHENTERMINE / METHAMPHETAMINE
Vial Number: 4



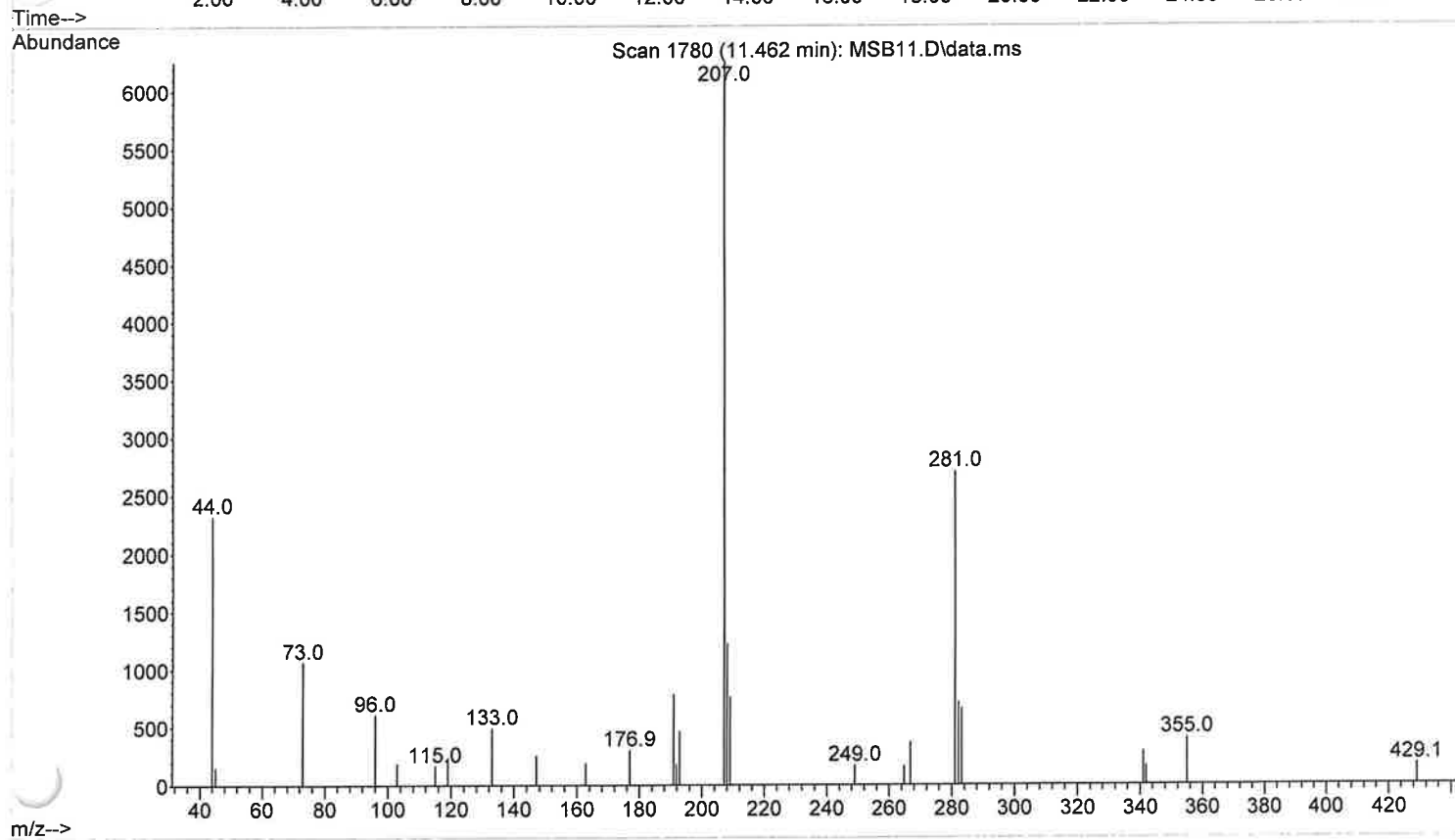
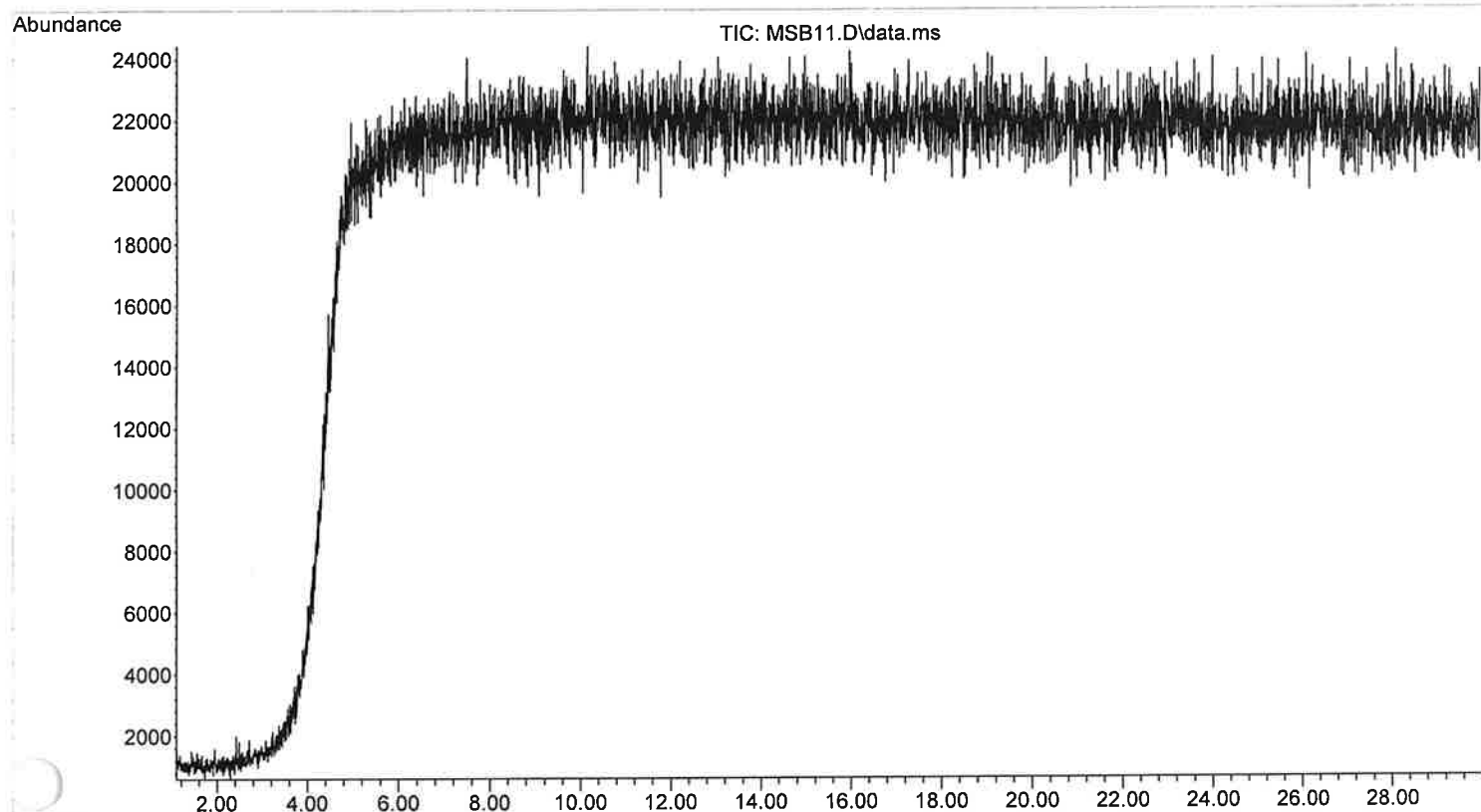
File :X:\2023\GJG\1-30-23\APM4.D
Operator :
Acquired : 30 Jan 2023 16:13 using AcqMethod ASMSDRUGSTI.M
Instrument : Eggroll
Sample Name: GC/IR TEST SOLUTION -- 100-280
Misc Info : AMPHETAMINE / PHENTERMINE / METHAMPHETAMINE
Vial Number: 4



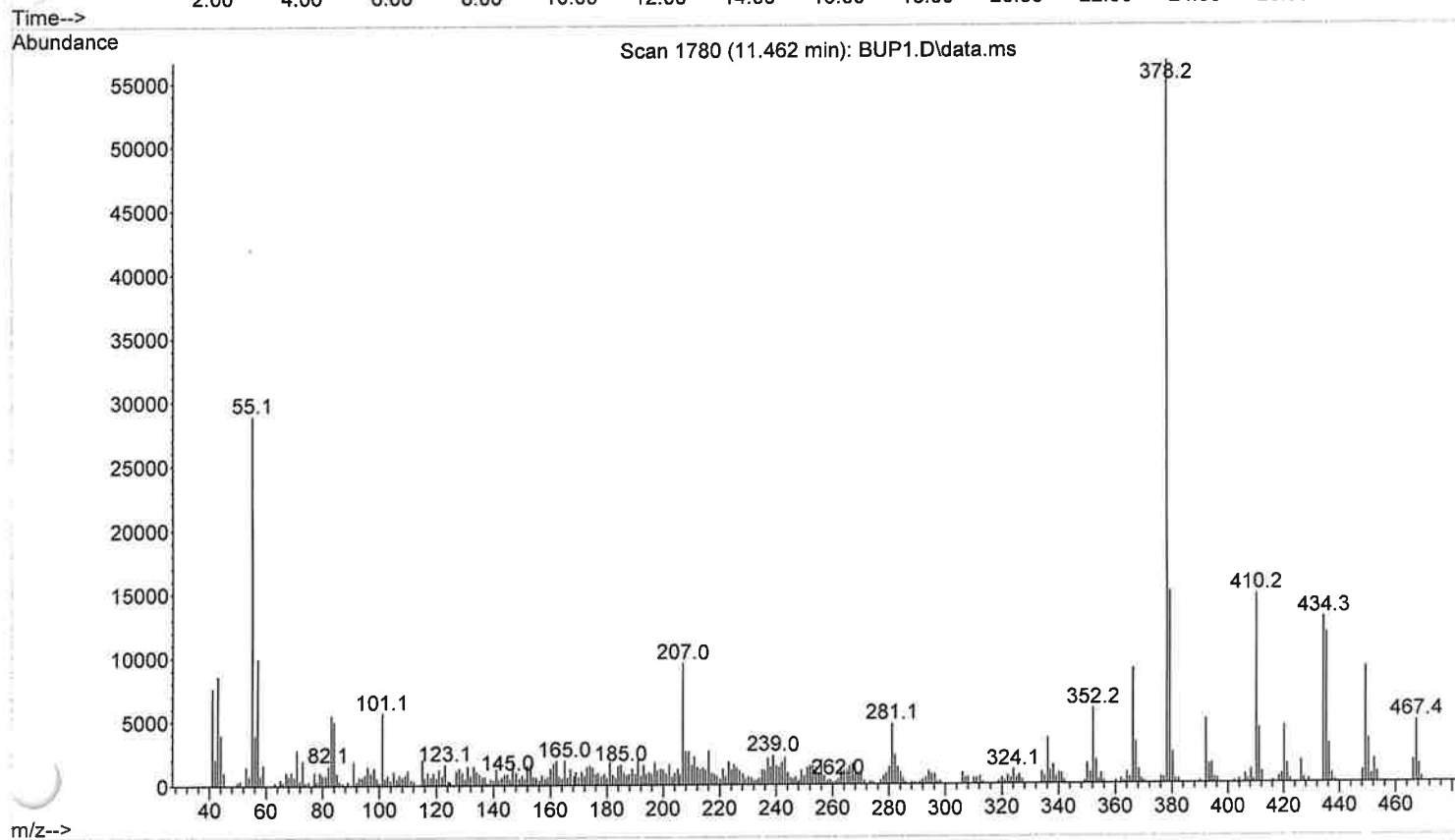
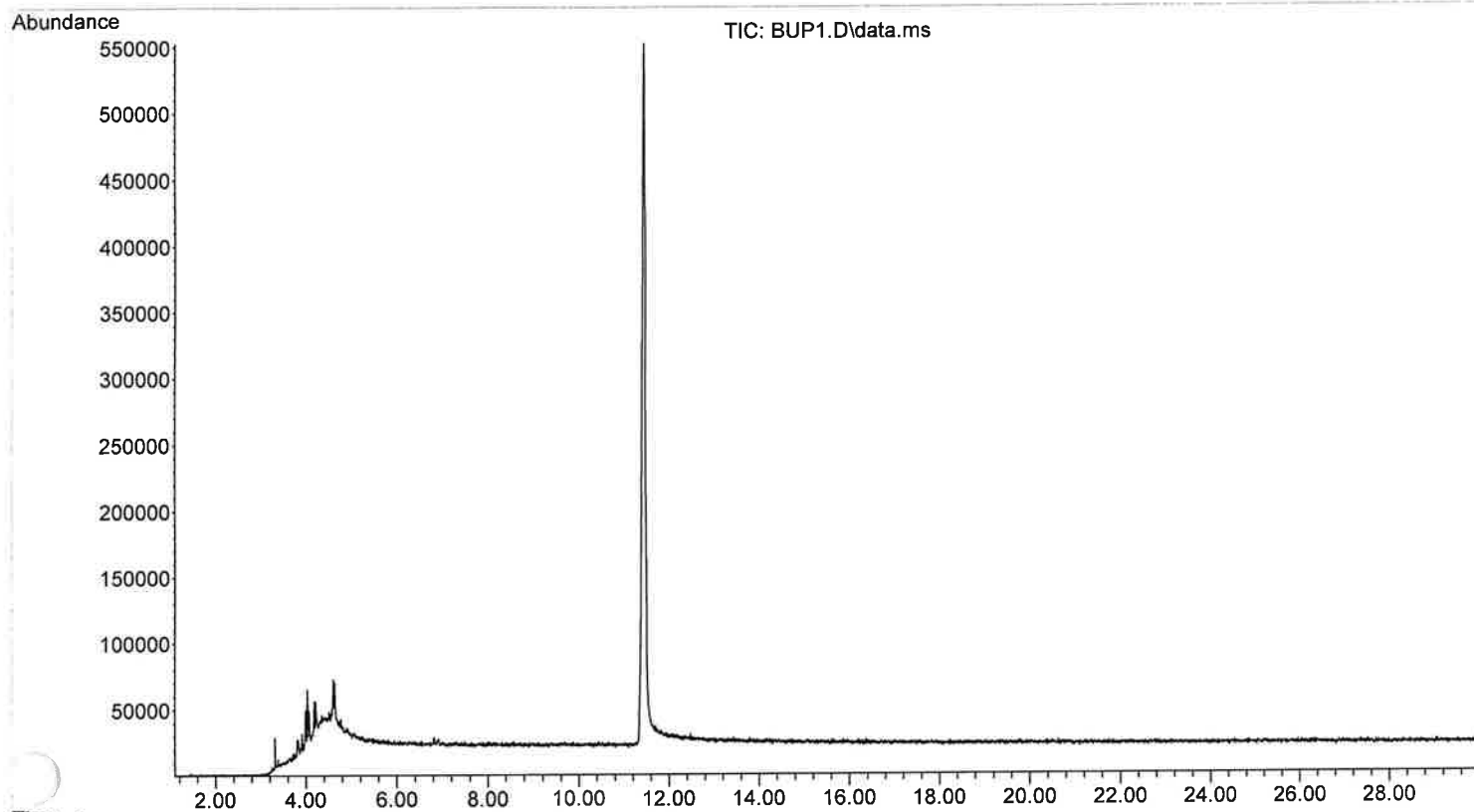
File :X:\2023\GJG\1-30-23\APM4.D
Operator :
Acquired : 30 Jan 2023 16:13 using AcqMethod ASMSDRUGSTI.M
Instrument : Eggroll
Sample Name: GC/IR TEST SOLUTION -- 100-280
Misc Info : AMPHETAMINE / PHENTERMINE / METHAMPHETAMINE
Vis Number: 4



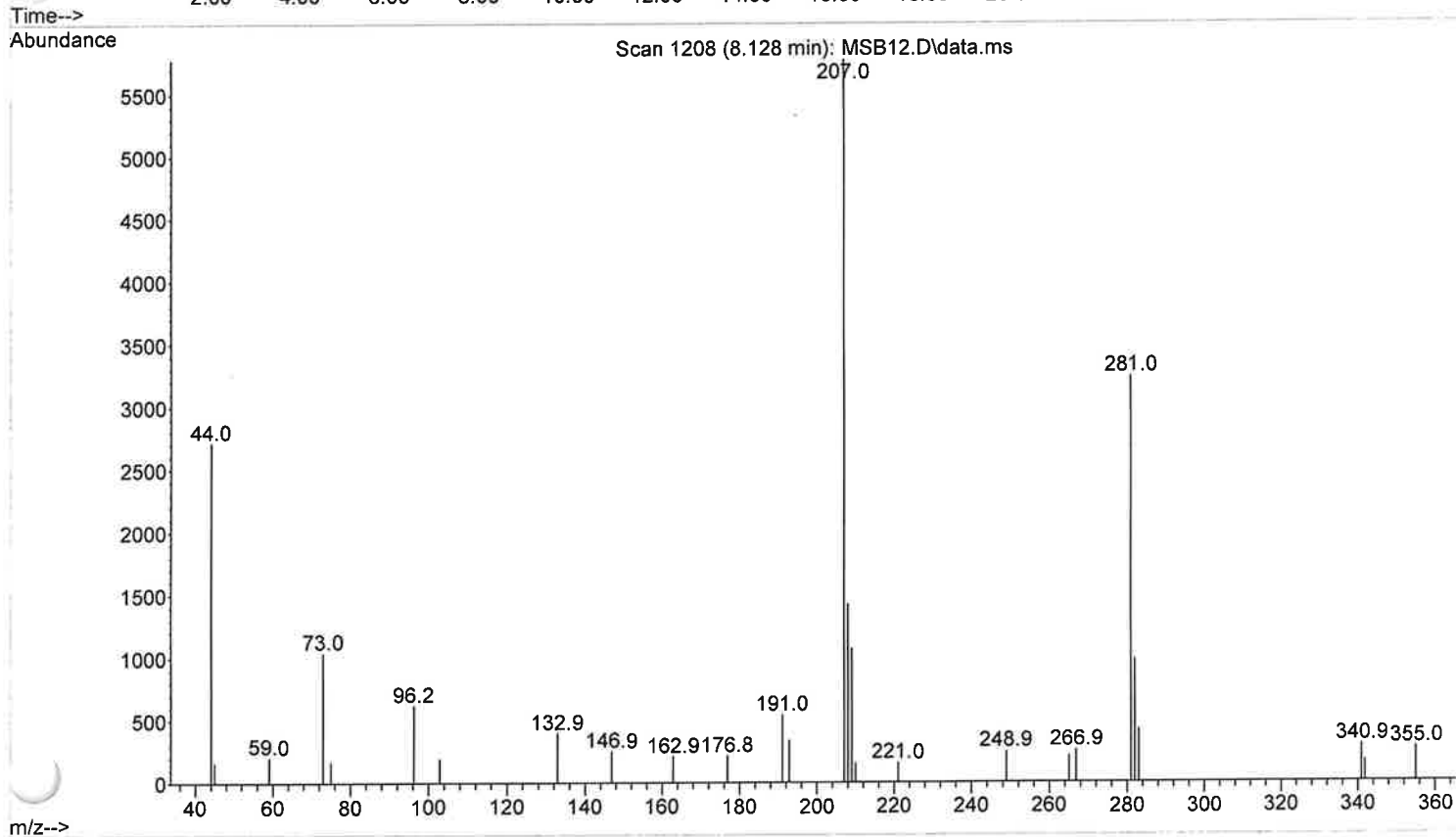
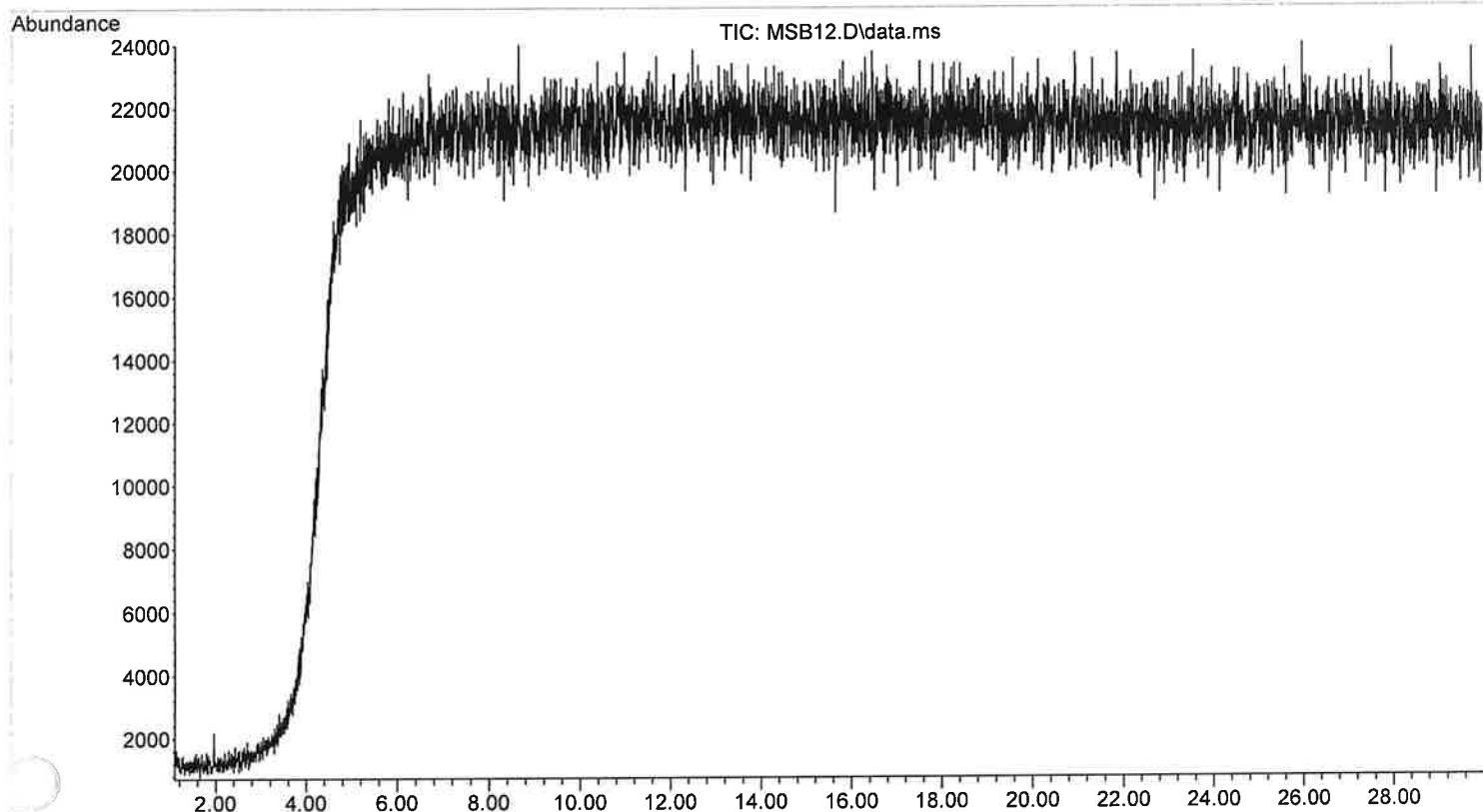
File :X:\2023\GJG\02-02-2023\MSB11.D
Operator :
Acquired : 02 Feb 2023 17:49 using AcqMethod ASMSDRUGSTI.M
Instrument : Eggroll
Sample Name: MEOH B FOR BUPRENORPHINE STANDARD
Misc Info : 100-280
Vial Number: 2



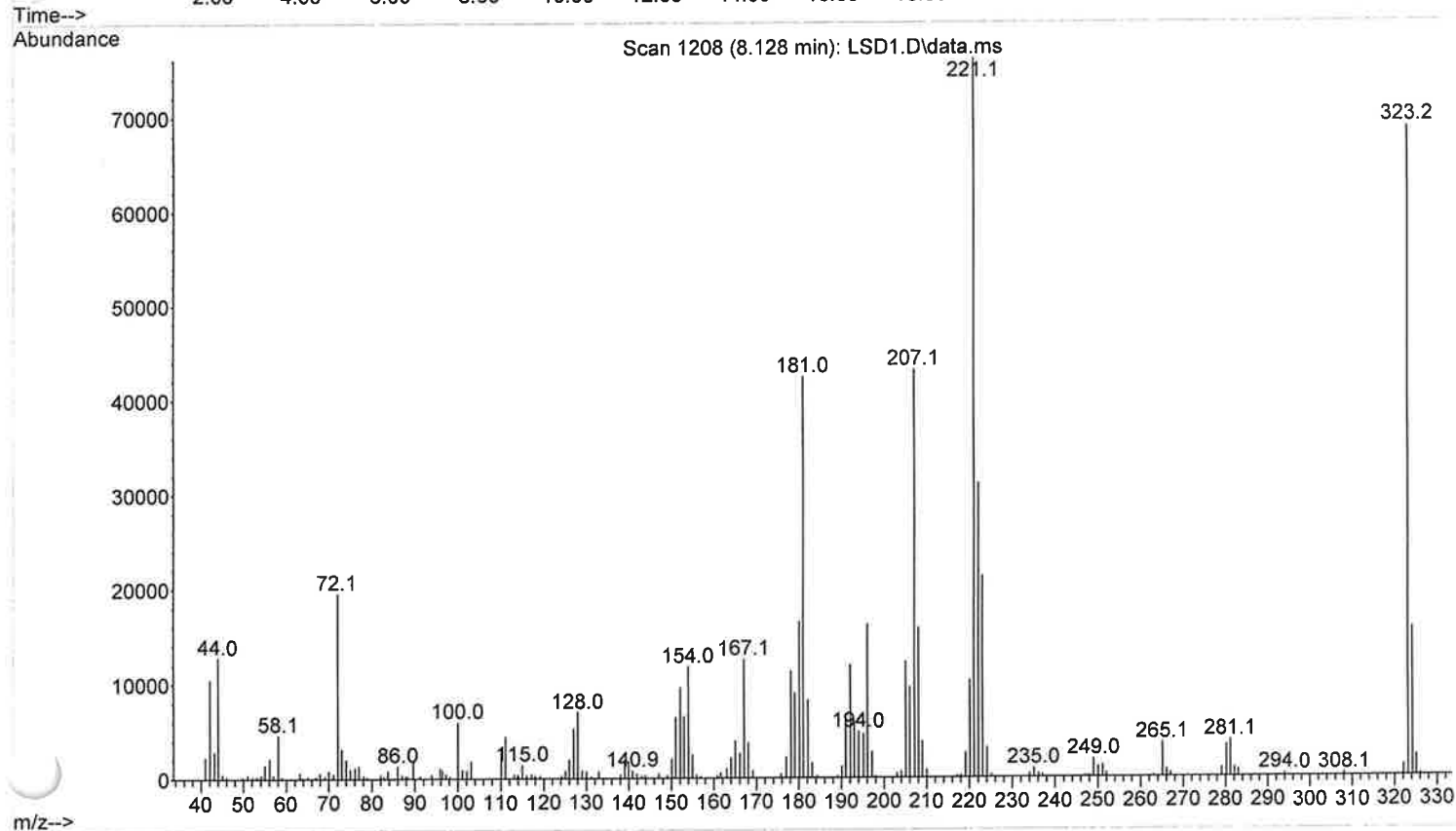
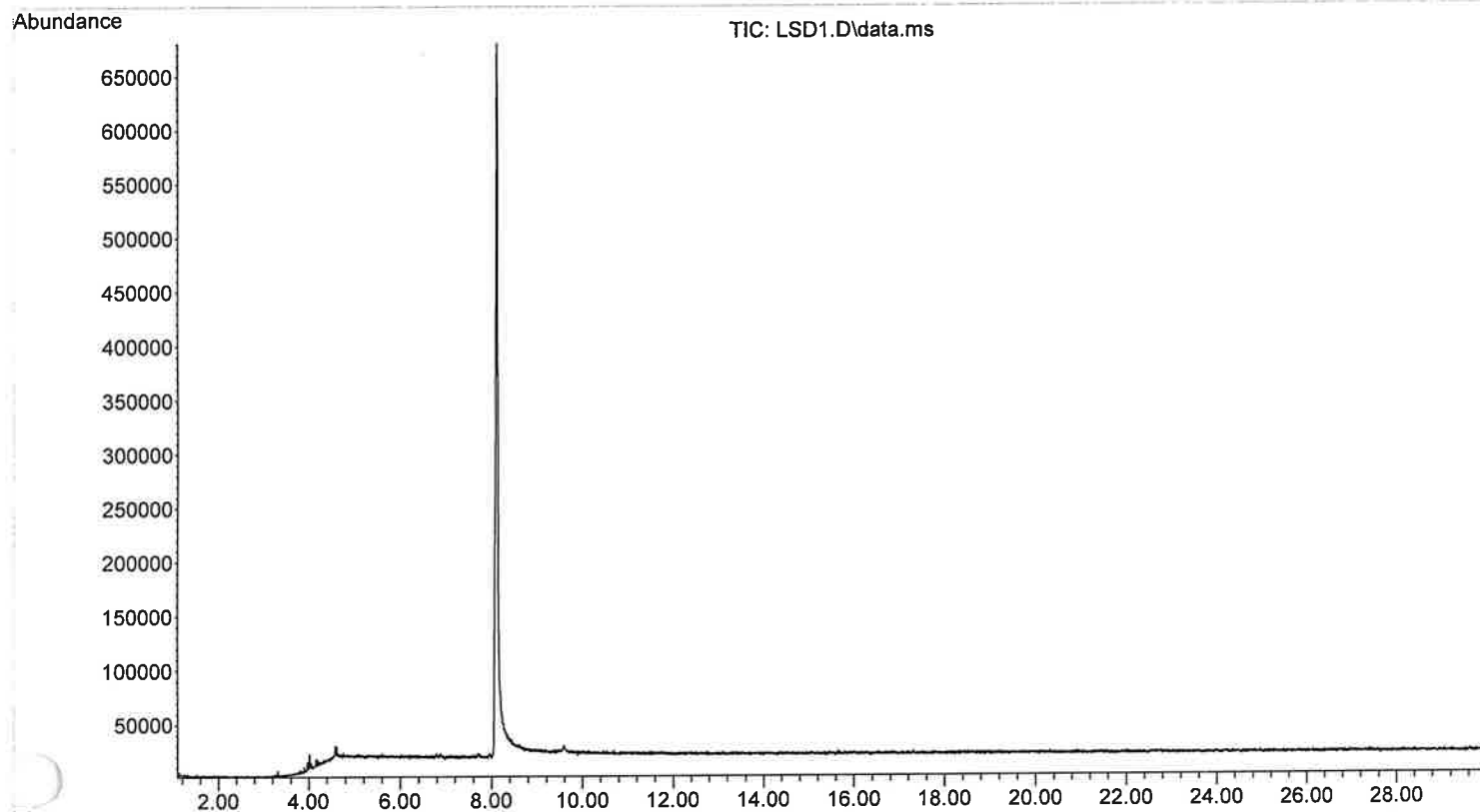
File :X:\2023\GJG\02-02-2023\BUP1.D
Operator :
Acquired : 02 Feb 2023 18:22 using AcqMethod ASMSDRUGSTI.M
Instrument : Eggroll
Sample Name: BUPRENORPHINE STANDARD -- 100-280
Misc Info : Cerilliant Lot# FE03191903 Exp: June 2024
Vial Number: 3



File : X:\2023\GJG\02-02-2023\MSB12.D
Operator :
Acquired : 02 Feb 2023 19:08 using AcqMethod ASMSDRUGSTI.M
Instrument : Eggroll
Sample Name: MEOH B FOR LSD STANDARD
Misc Info : 100-280
Vial Number: 2



File :X:\2023\GJG\02-02-2023\LSD1.D
Operator :
Acquired : 02 Feb 2023 19:40 using AcqMethod ASMSDRUGSTI.M
Instrument : Eggroll
Sample Name: LSD STANDARD -- 100-280
Misc Info : Cerilliant Lot# FE10161901 Exp: October 2024
Vial Number: 4



METHOD CONTROL PARAMETERS

Method Information for: C:\MassHunter\GCMS\1\methods\ASMS280ISO.M

Method Sections To Run:

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

Method Comments:

This is an auto sample method 280 isothermal / 20 minutes.

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	C:\MassHunter\GCMS\1\methods\ASMS280ISO.M
Tune file	atune.u
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
Acquisition Type	Scan
Stop time (min)	10.00
Solvent delay (min)	1.00
Trace Ion Detection	False
Gain Factor	1
EM Saver	False
EM Saver Limit	N/A

Scan Time Segments

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

Timed Events

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

Real-Time Plots

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

Self-Cleaning Ion Source Parameters

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

C:\MassHunter\GCMS\1\methods\ASMS280ISO.M

Fri Jan 13 14:43:59 2023

Control Information

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

No Sample Prep method has been assigned to this method.

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

Oven
Temperature
Setpoint On
(Initial) 280 °C
Hold Time 1 min
Post Run 100 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 19 min

Equilibration Time 0.5 min
Temperature 450 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 3
Solvent A Volume 2 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 3
Solvent B Volume 2 µL
Sample Washes 1
Sample Wash Volume 2 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
Injection Type Standard
L1 Airgap 0.2 µL

Solvent Wash Mode	A, B
Back Injector	
Syringe Size	10 µL
Injection Volume	1 µL
Solvent A Washes (PreInj)	2
Solvent A Washes (PostInj)	3
Solvent A Volume	3 µL
Solvent B Washes (PreInj)	2
Solvent B Washes (PostInj)	3
Solvent B Volume	3 µL
Sample Washes	2
Sample Wash Volume	1 µL
Sample Pumps	3
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Solvent Wash Mode	A, B
Sample Overlap Mode	Sample overlap is not enabled
ALS Errors	Pause for user interaction
Front SS Inlet He	
Excluded from Readiness Mode	***Excluded from Affecting GC's Readiness State***
Heater	Split
Pressure	On 250 °C
Total Flow	On 17.5 psi
Septum Purge Flow	On 44.958 mL/min
Gas Saver	On 3 mL/min
Split Ratio	Off
Split Flow	50 :1
Liner	41.136 mL/min
	A Liner has not been selected.
Back SS Inlet He	
Excluded from Readiness Mode	***Excluded from Affecting GC's Readiness State***
Heater	Split
Pressure	On 250 °C
Total Flow	On 8.5 psi
Septum Purge Flow	On 74.698 mL/min
Gas Saver	On 3 mL/min
Split Ratio	Off
Split Flow	50 :1
Liner	70.292 mL/min
	A Liner has not been selected.
Thermal Aux 2 (MSD Transfer Line)	
Temperature	
Setpoint	On
(Initial)	280 °C
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Column	

Column #1	
Flow	On
Setpoint	0.82271 mL/min
(Initial)	3.5062 mL/min
Post Run	
Column Information	19091S-602
HP-1MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm (Calibrated)
In	Front SS Inlet He
Out	MSD
(Initial)	280 °C
Pressure	17.5 psi
Flow	0.82271 mL/min
Average Velocity	55.81 cm/sec
Holdup Time	0.37329 min
Control Mode	Constant Flow
Column #2	
Pressure	On
Setpoint	8.5 psi
(Initial)	10 psi
Post Run	
Column Information	19091S-913
HP-1MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	15 m x 320 µm x 0.25 µm (Calibrated)
In	Back SS Inlet He
Out	Other
(Initial)	280 °C
Pressure	8.5 psi
Flow	1.4058 mL/min
Average Velocity	41.363 cm/sec
Holdup Time	0.6044 min
Control Mode	Constant Pressure
Column Outlet Pressure	0 psi
Front Detector FID	
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Makeup	He
Heater	On 300 °C
H2 Flow	Off
Air Flow	Off
Makeup Flow	Off
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	Off
Signals	
Signal #1: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	Off
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #2: Test Plot	
Description	Test Plot
Save	Off
Data Rate	50 Hz
Dual Injection Assignment	Front Sample

Signal #3: Test Plot
Description
Save
Data Rate
Dual Injection Assignment

Test Plot
Off
50 Hz
Back Sample

Signal #4: Test Plot
Description
Save
Data Rate
Dual Injection Assignment

Test Plot
Off
50 Hz
Back Sample

TUNE PARAMETERS for SN: US61633037

Trace Ion Detection is OFF.

34.610 : EMISSION
70.347 : ENERGY
34.961 : REPELLER
83.514 : IONFOCUS
28.500 : ENTRANCE_LENS
1470.588 : EMVOLTS

1470.588 : Actual EMV
0.28 : GAIN FACTOR

2128.000 : AMUGAIN
120.250 : AMUOFFSET
1.000 : FILAMENT
0.000 : DCPOLARITY
16.565 : ENTLENSOFFSET
-575.000 : MASSGAIN
35.000 : MASSOFFSET

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

Method Path : C:\MassHunter\GCMS\1\methods\

Method File : ASMS280ISO.M

Title :

Update :

Response Via : Initial Calibration

Total Cpnds : 0

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

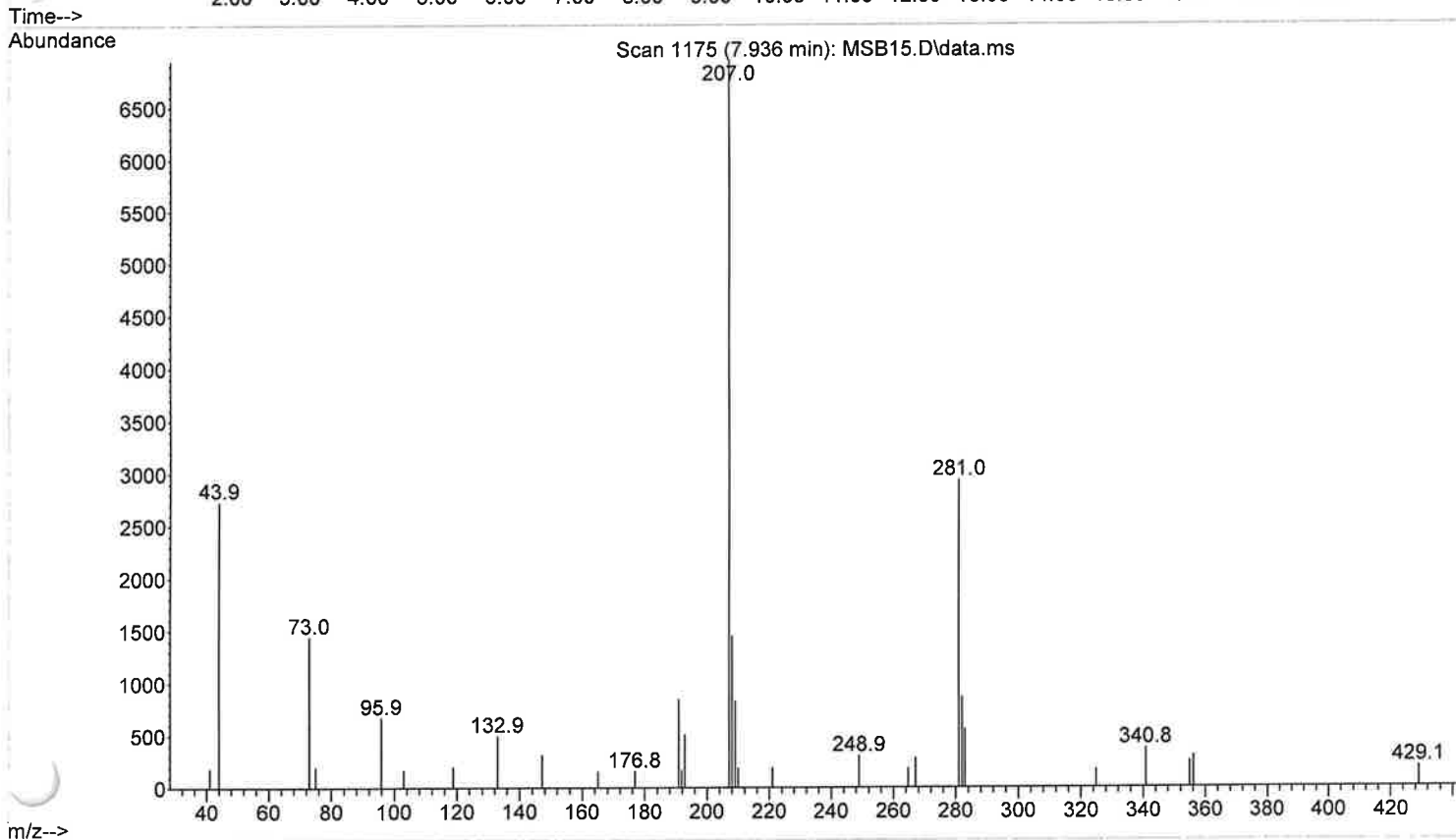
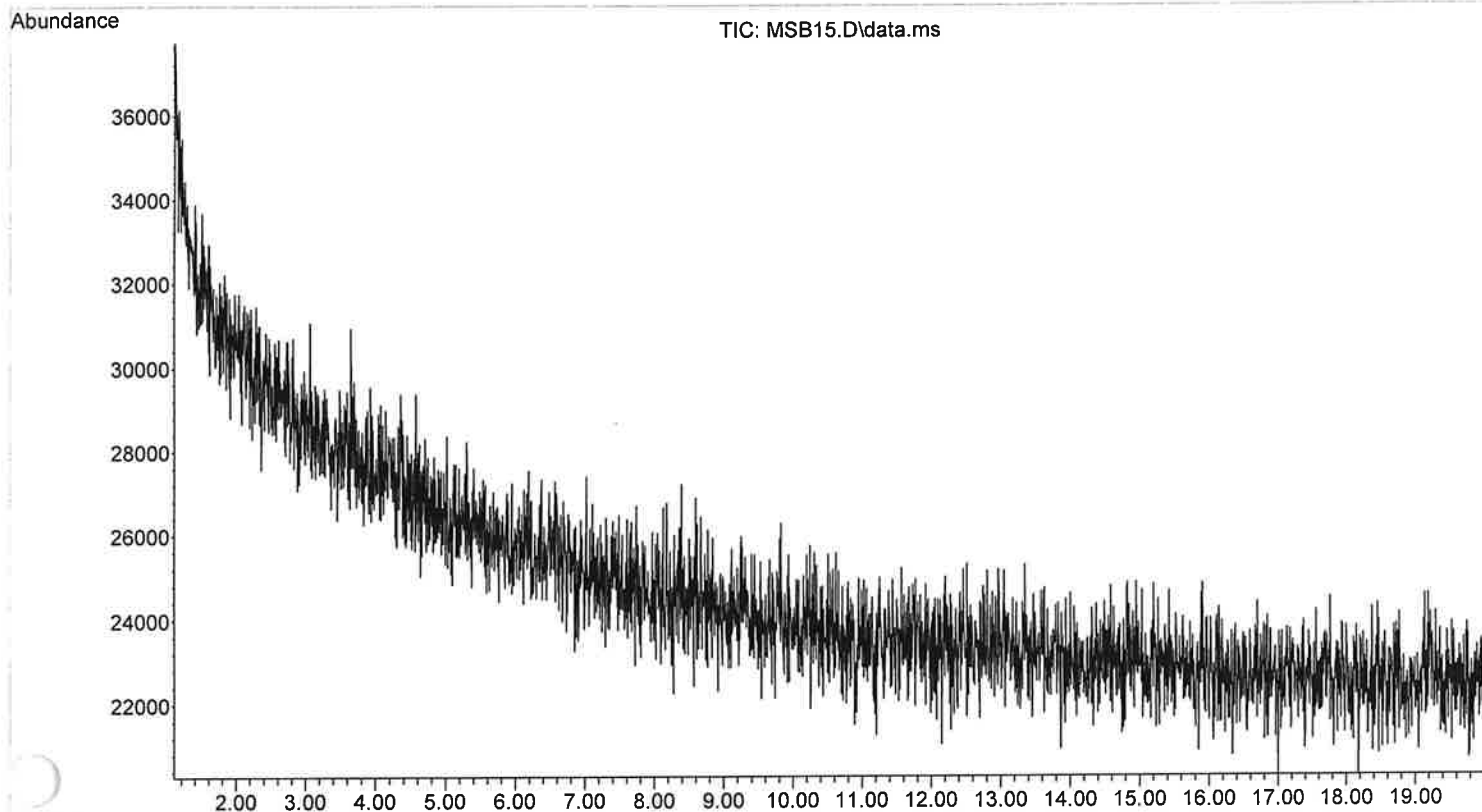
Cal A = Average L = Linear LO = Linear w/origin Q = Quad Q0 = Quad w/origin

#Qual = number of qualifiers

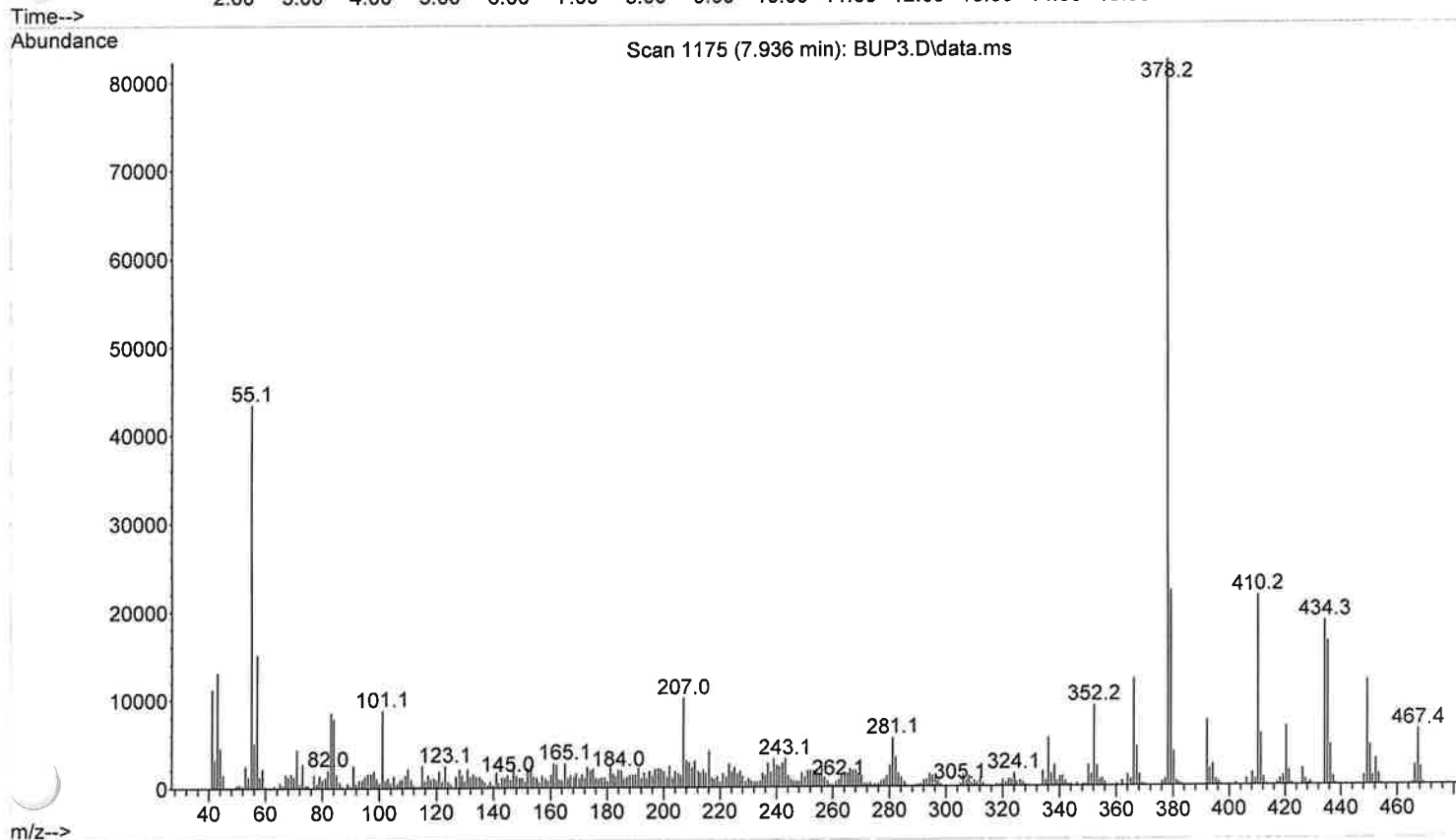
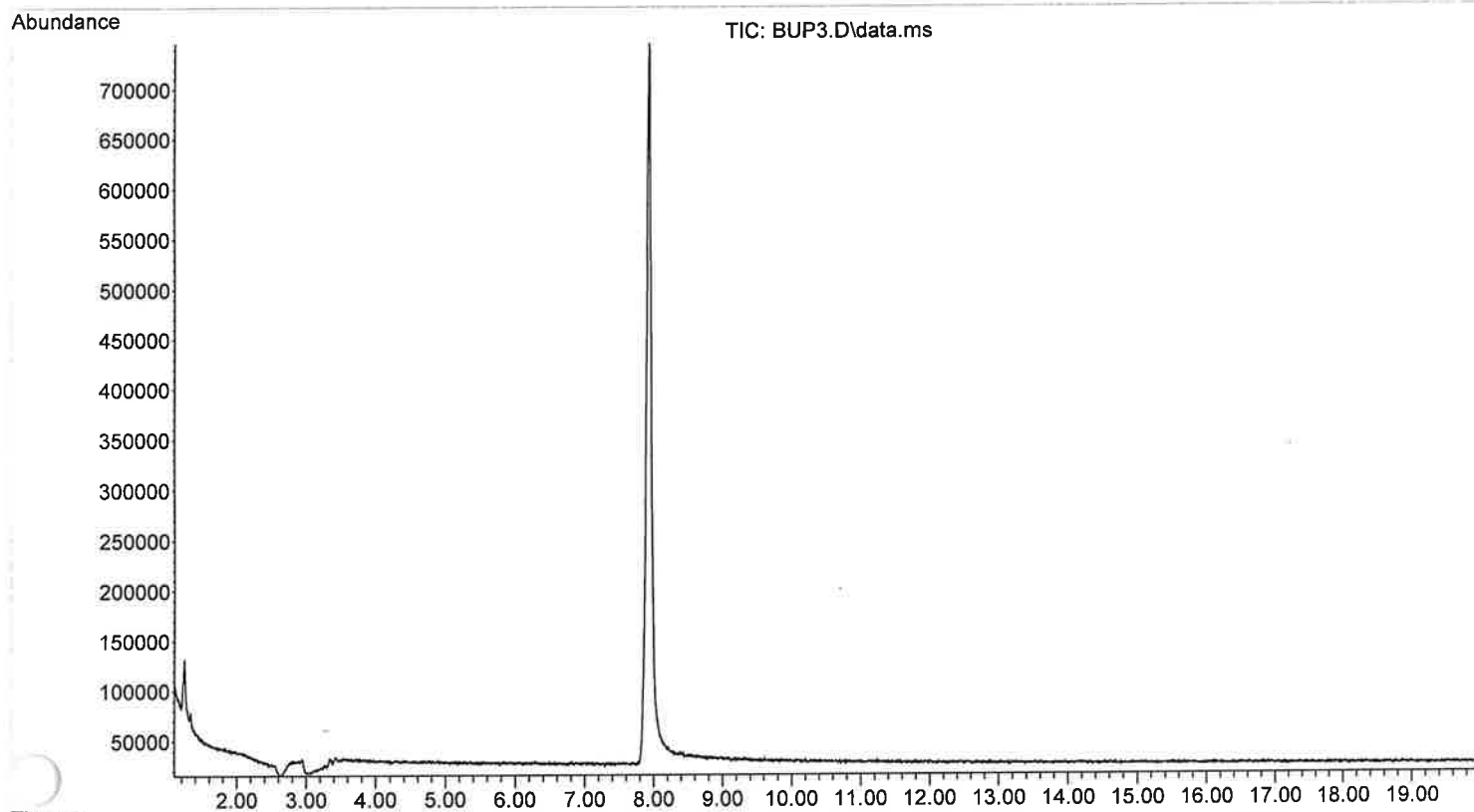
A/H = Area or Height

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

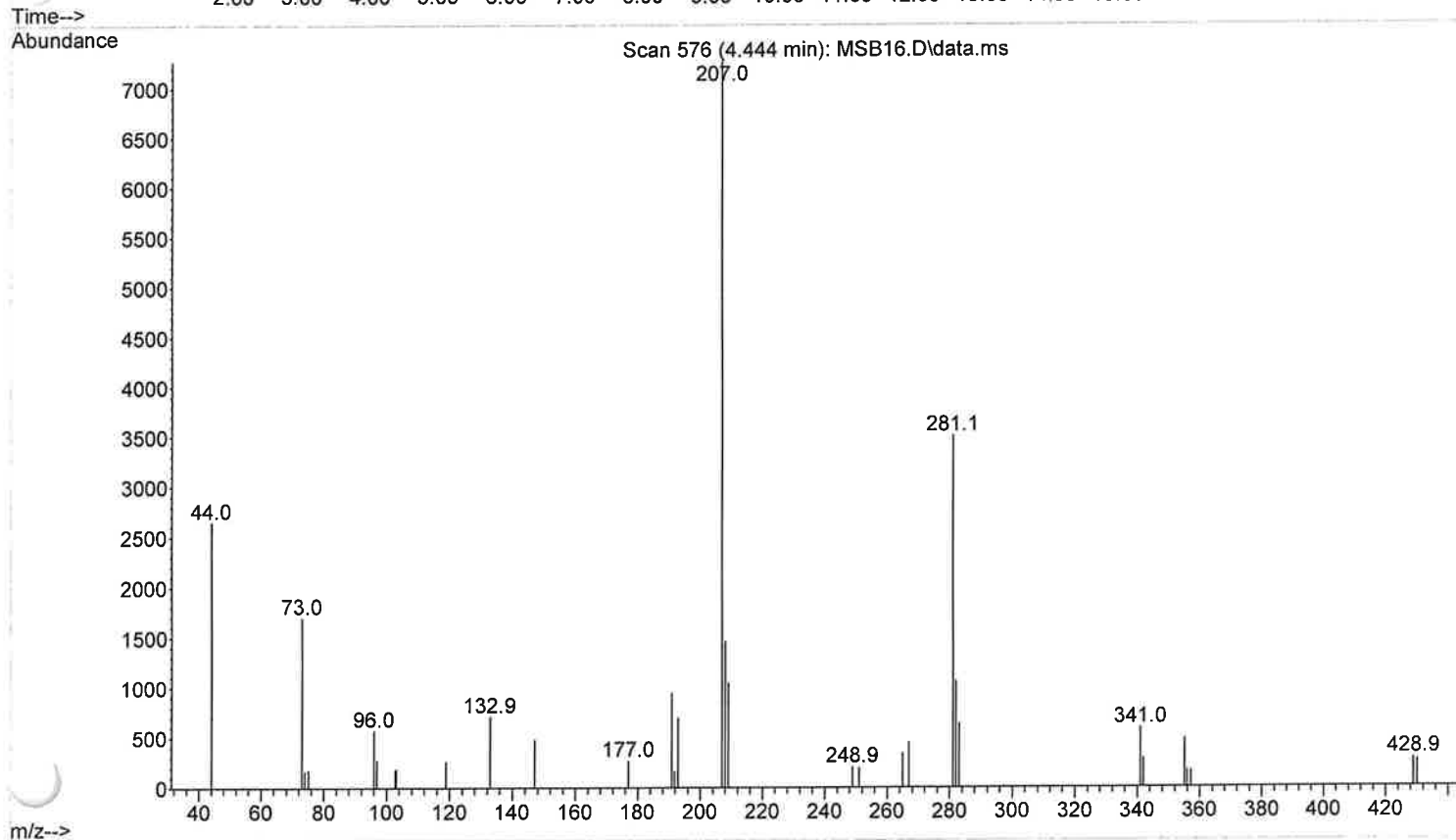
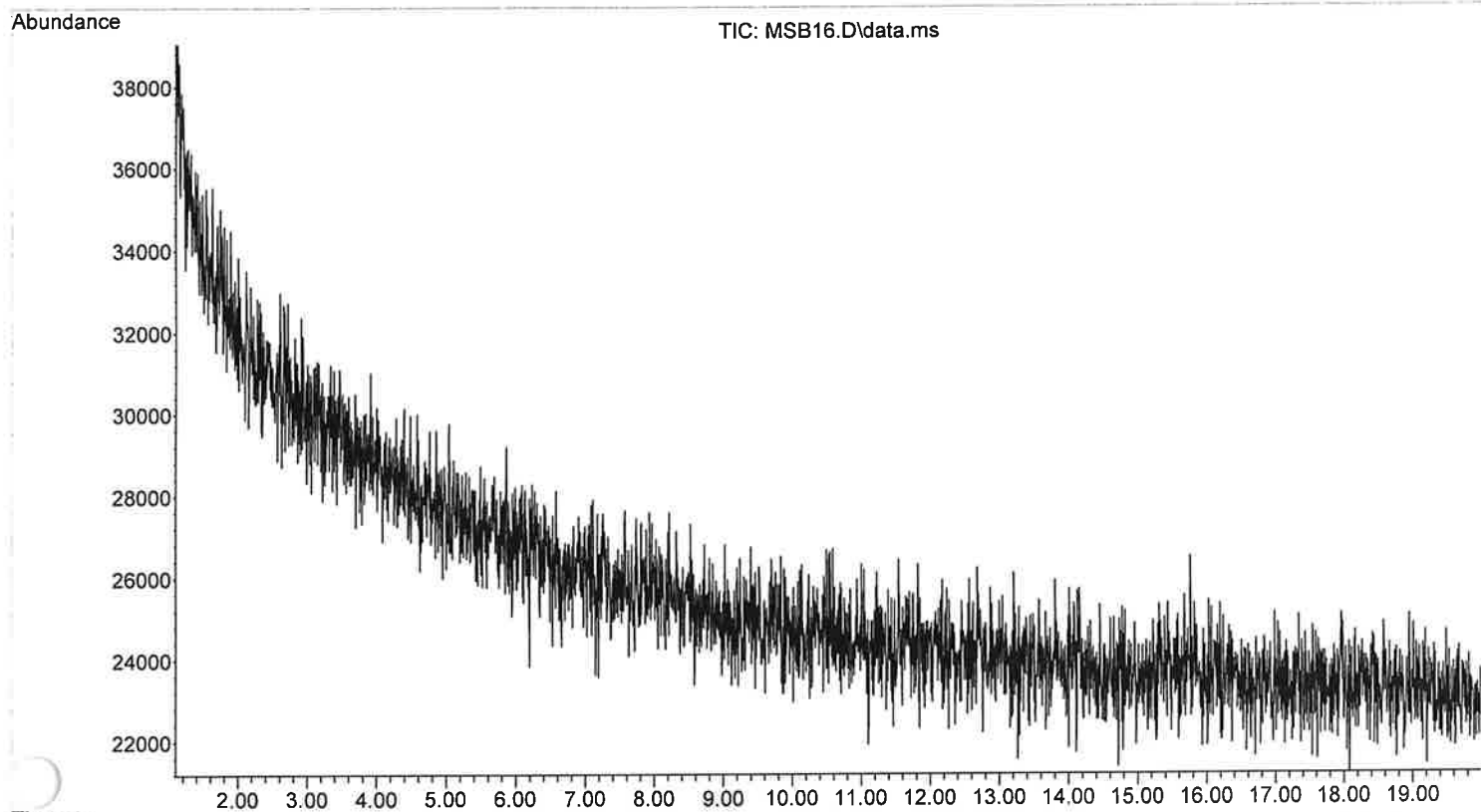
File :X:\2023\GJG\02-02-2023\MSB15.D
Operator :
Acquired : 02 Feb 2023 21:42 using AcqMethod ASMS280ISO.M
Instrument : Eggroll
Sample Name: MEOH B FOR BUPRENORPHINE STANDARD
Misc Info : 280 ISOTHERMAL
Vial Number: 2



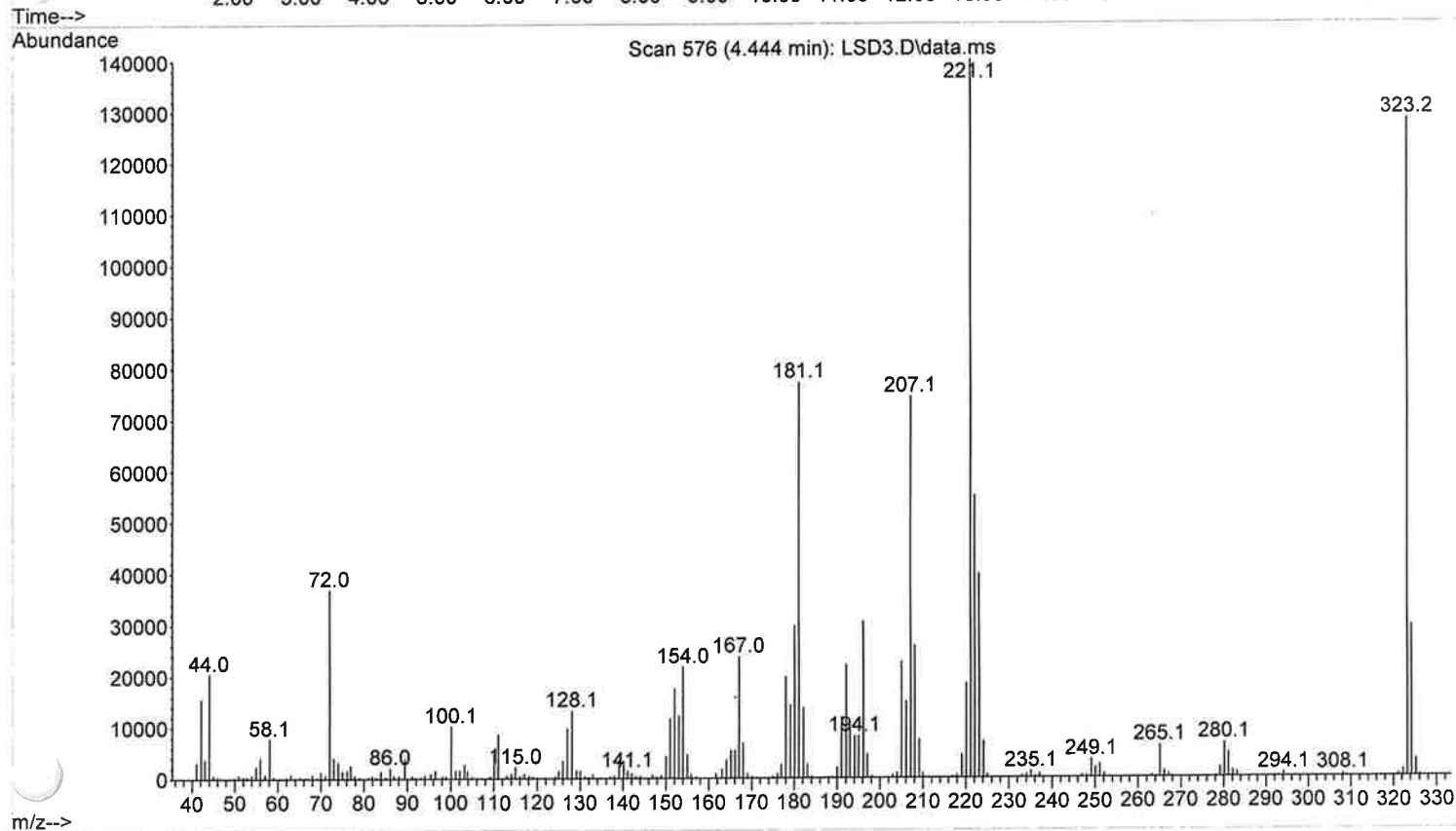
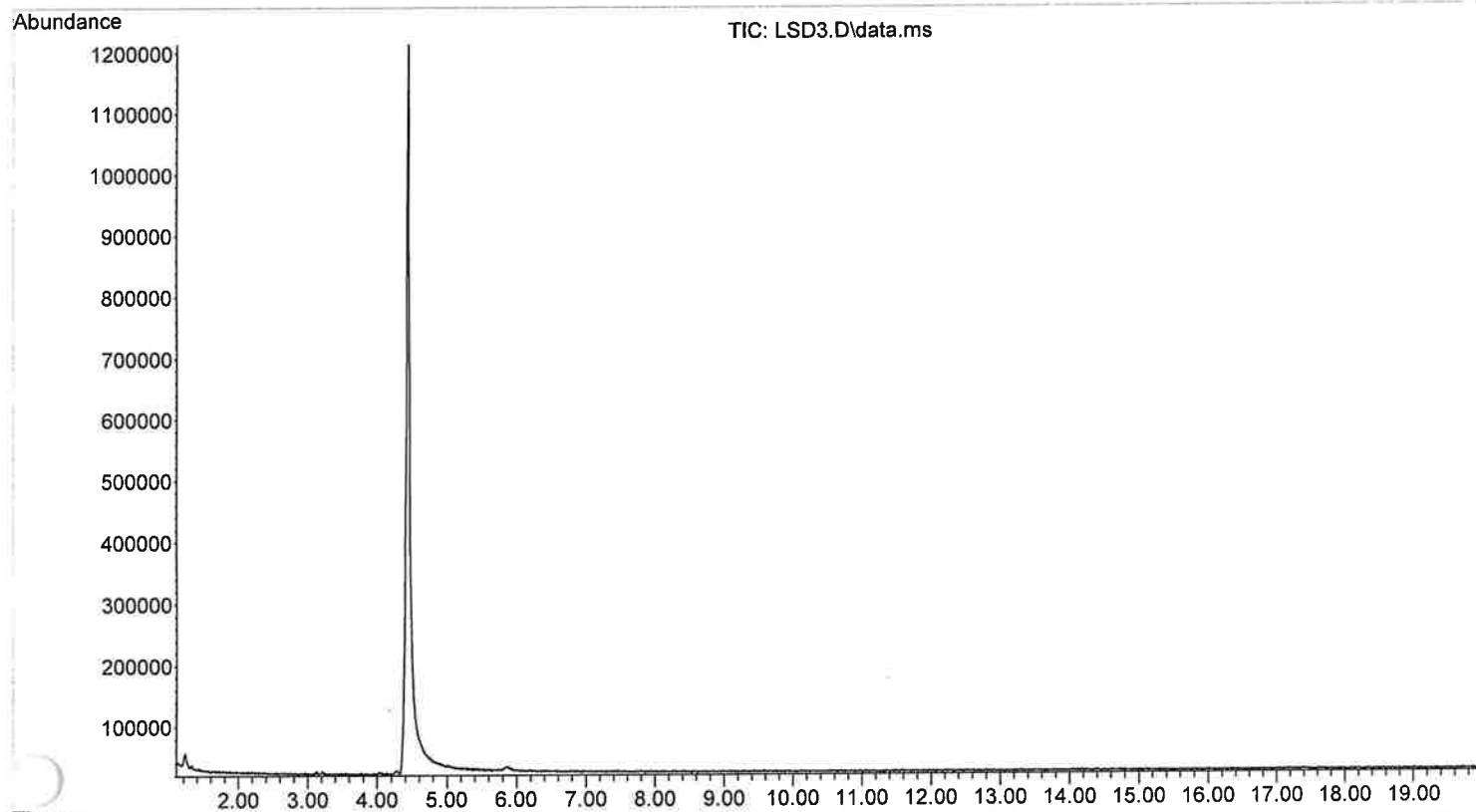
File :X:\2023\GJG\02-02-2023\BUP3.D
Operator :
Acquired : 02 Feb 2023 22:04 using AcqMethod ASMS280ISO.M
Instrument : Eggroll
Sample Name: BUPRENORPHINE STANDARD -- 280 ISOTHERMAL
Misc Info : Cerilliant Lot# FE03191903 Exp: June 2024
Vial Number: 3



File :X:\2023\GJG\02-02-2023\MSB16.D
Operator :
Acquired : 02 Feb 2023 23:00 using AcqMethod ASMS280ISO.M
Instrument : Eggroll
Sample Name: MEOH B FOR LSD STANDARD
Misc Info : 280 ISOTHERMAL
Viz Number: 2



File :X:\2023\GJG\02-02-2023\LSD3.D
Operator :
Acquired : 02 Feb 2023 23:22 using AcqMethod ASMS280ISO.M
Instrument : Eggroll
Sample Name: LSD STANDARD -- 280 ISOTHERMAL
Misc Info : Cerilliant Lot# FE10161901 Exp: October 2024
Vial Number: 4



METHOD CONTROL PARAMETERS

Method Information for: C:\MassHunter\GCMS\1\methods\ASMS100TR.M

Method Sections To Run:

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

Method Comments:

This is an auto sample method 100-280 / 6 minutes.

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	C:\MassHunter\GCMS\1\methods\ASMS100TR.M
Tune file	atune.u
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
Acquisition Type	Scan
Stop time (min)	10.00
Solvent delay (min)	1.00
Trace Ion Detection	False
Gain Factor	1
EM Saver	False
EM Saver Limit	N/A

Scan Time Segments

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

Timed Events

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

Real-Time Plots

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

Self-Cleaning Ion Source Parameters

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

C:\MassHunter\GCMS\1\methods\ASMS100TR.M
Mon Jan 09 16:12:42 2023

rol Information

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

No Sample Prep method has been assigned to this method.

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

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

Equilibration Time 0.5 min
M Temperature 450 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 3
Solvent A Volume 3 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 3
Solvent B Volume 3 µL
Sample Washes 1
Sample Wash Volume 2 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
Injection Type Standard
L1 Airgap 0.2 µL

Solvent Wash Mode	A, B
Back Injector	
Syringe Size	10 µL
Injection Volume	1 µL
Solvent A Washes (PreInj)	2
Solvent A Washes (PostInj)	3
Solvent A Volume	3 µL
Solvent B Washes (PreInj)	2
Solvent B Washes (PostInj)	3
Solvent B Volume	3 µL
Sample Washes	2
Sample Wash Volume	1 µL
Sample Pumps	3
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Solvent Wash Mode	A, B
Sample Overlap	
Mode	Sample overlap is not enabled
ALS Errors	Pause for user interaction
Front SS Inlet He	
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Mode	Split
Heater	On 250 °C
Pressure	On 8.5 psi
Total Flow	On 45.194 mL/min
Septum Purge Flow	On 3 mL/min
Gas Saver	Off
Split Ratio	50 :1
Split Flow	41.367 mL/min
Liner	A Liner has not been selected.
Back SS Inlet He	
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Mode	Split
Heater	On 250 °C
Pressure	On 8.5 psi
Total Flow	On 141.9 mL/min
Septum Purge Flow	On 3 mL/min
Gas Saver	Off
Split Ratio	50 :1
Split Flow	136.18 mL/min
Liner	A Liner has not been selected.
Thermal Aux 2 (MSD Transfer Line)	
Temperature	
Setpoint	On
(Initial)	280 °C
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Column	

Column #1	
Flow	On
Setpoint	0.82733 mL/min
(Initial)	3.5062 mL/min
Post Run	
Column Information	19091S-602
HP-1MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm (Calibrated)
In	Front SS Inlet He
Out	MSD
(Initial)	100 °C
Pressure	8.5 psi
Flow	0.82733 mL/min
Average Velocity	52.55 cm/sec
Holdup Time	0.39644 min
Control Mode	Constant Flow
Column #2	
Pressure	
Setpoint	On
(Initial)	8.5 psi
Post Run	10 psi
Column Information	19091S-913
HP-1MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	15 m x 320 µm x 0.25 µm (Calibrated)
In	Back SS Inlet He
Out	Other
(Initial)	100 °C
Pressure	8.5 psi
Flow	2.7236 mL/min
Average Velocity	54.059 cm/sec
Holdup Time	0.46246 min
Control Mode	Constant Pressure
Column Outlet Pressure	0 psi
Front Detector FID	
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Makeup	He
Heater	On 300 °C
H2 Flow	Off
Air Flow	Off
Makeup Flow	Off
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	Off
Signals	
Signal #1: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	Off
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #2: Test Plot	
Description	Test Plot
Save	Off
Data Rate	50 Hz
Dual Injection Assignment	Front Sample

Signal #3: Test Plot
Description
Save
Data Rate
Dual Injection Assignment

Test Plot
Off
50 Hz
Back Sample

Signal #4: Test Plot
Description
Save
Data Rate
Dual Injection Assignment

Test Plot
Off
50 Hz
Back Sample

TUNE PARAMETERS for SN: US61633037

Trace Ion Detection is OFF.

34.610 : EMISSION
70.347 : ENERGY
34.961 : REPELLER
88.259 : IONFOCUS
25.500 : ENTRANCE_LENS
1435.294 : EMVOLTS

1635.294 : Actual EMV
1.02 : GAIN FACTOR

2126.000 : AMUGAIN
120.563 : AMUOFFSET
1.000 : FILAMENT
0.000 : DCPOLARITY
18.824 : ENTLENsoffset
-575.000 : MASSGAIN
34.000 : MASSOFFSET

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

Method Path : C:\MassHunter\GCMS\1\methods\

Method File : ASMS100TR.M

Title :

Update :

Response Via : Initial Calibration

Total Cpnds : 0

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

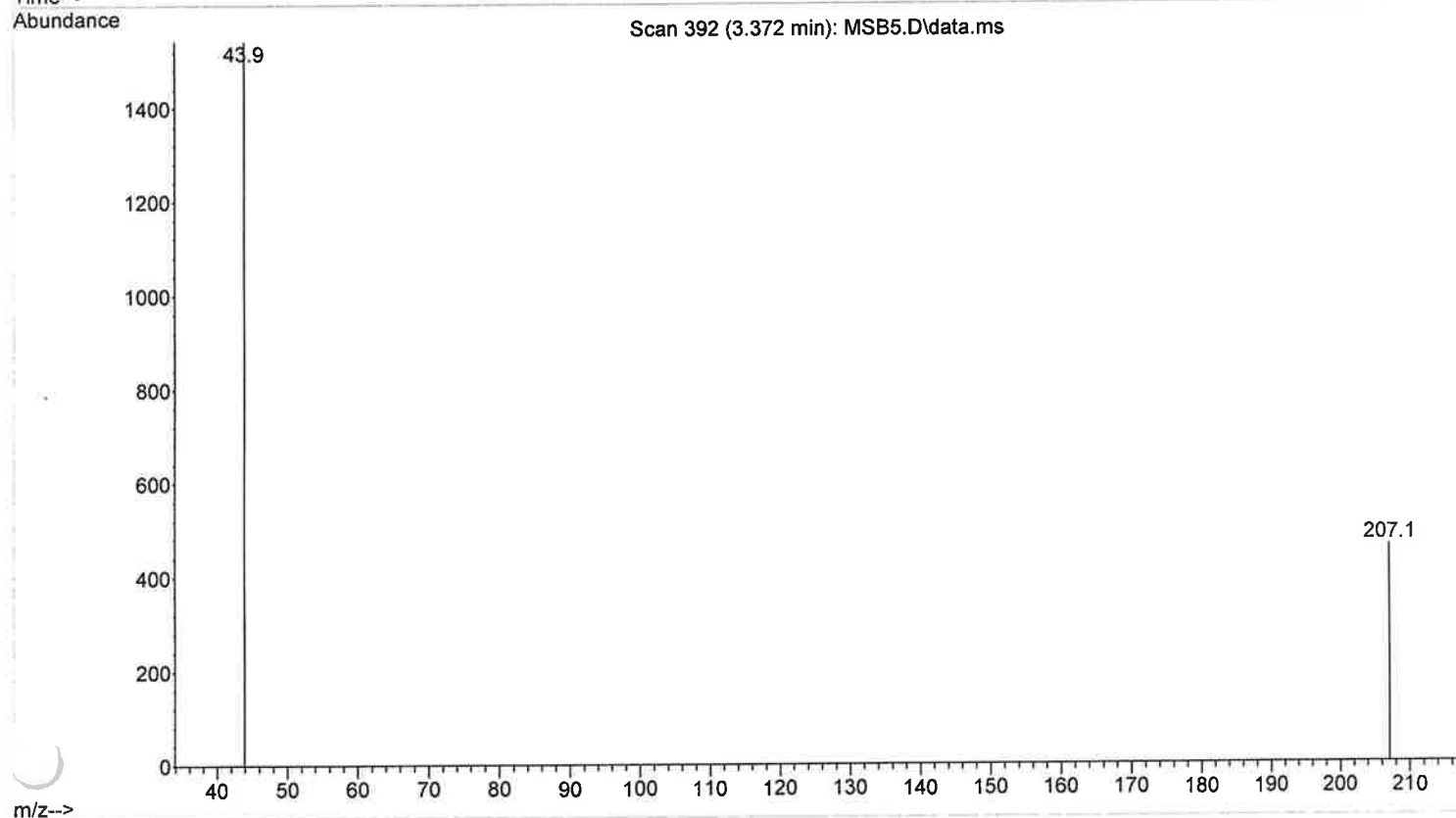
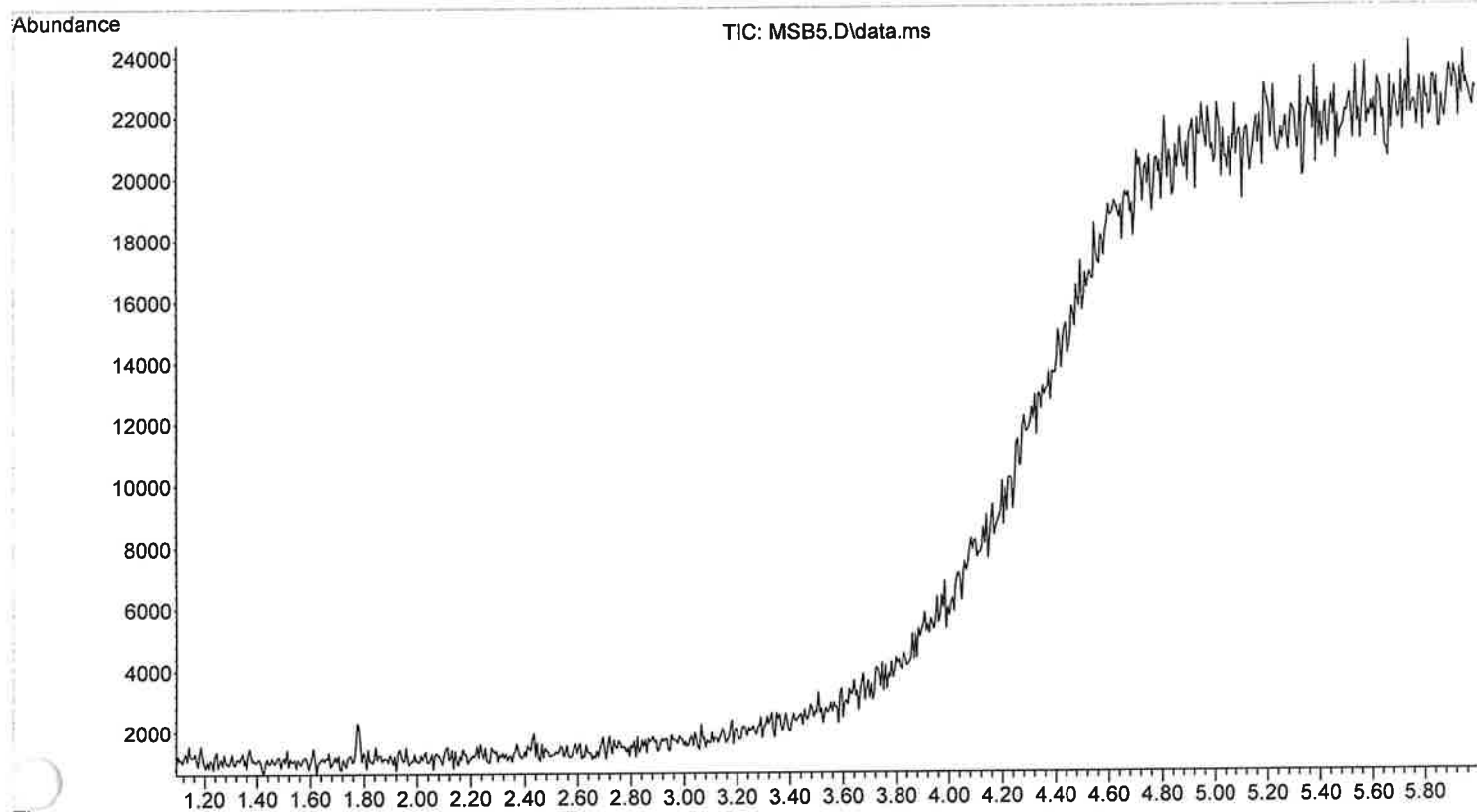
Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin

#Qual = number of qualifiers

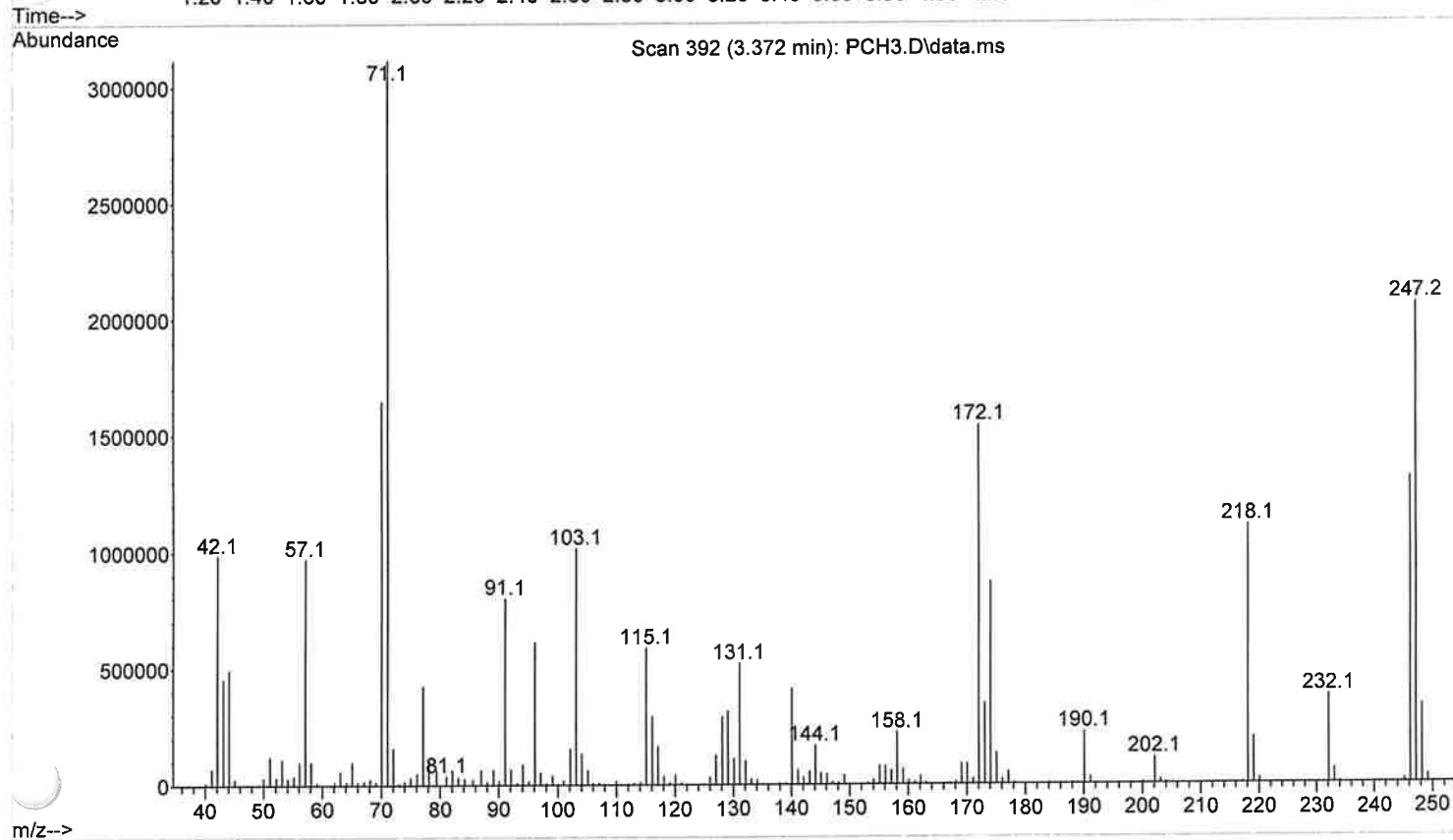
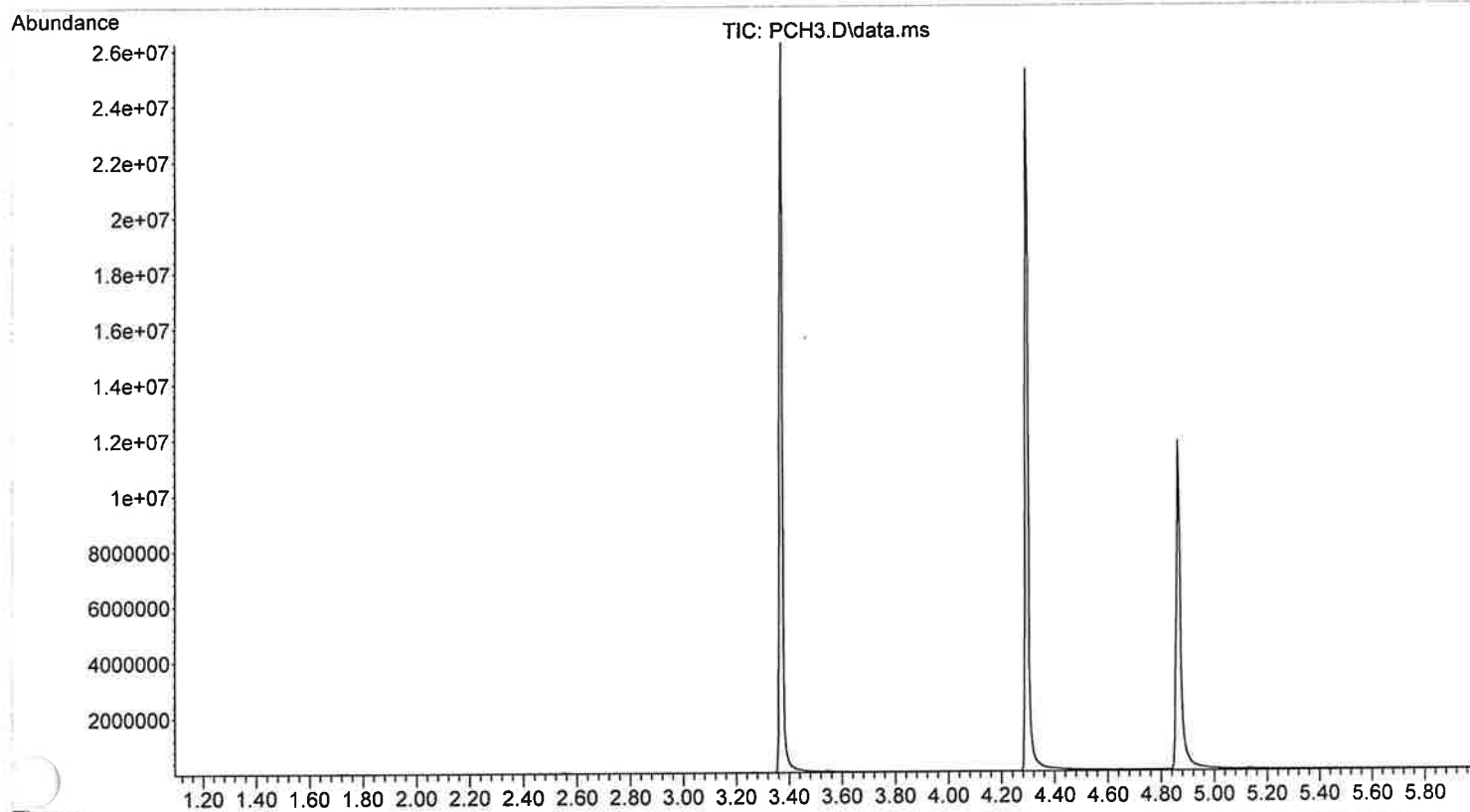
A/H = Area or Height

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

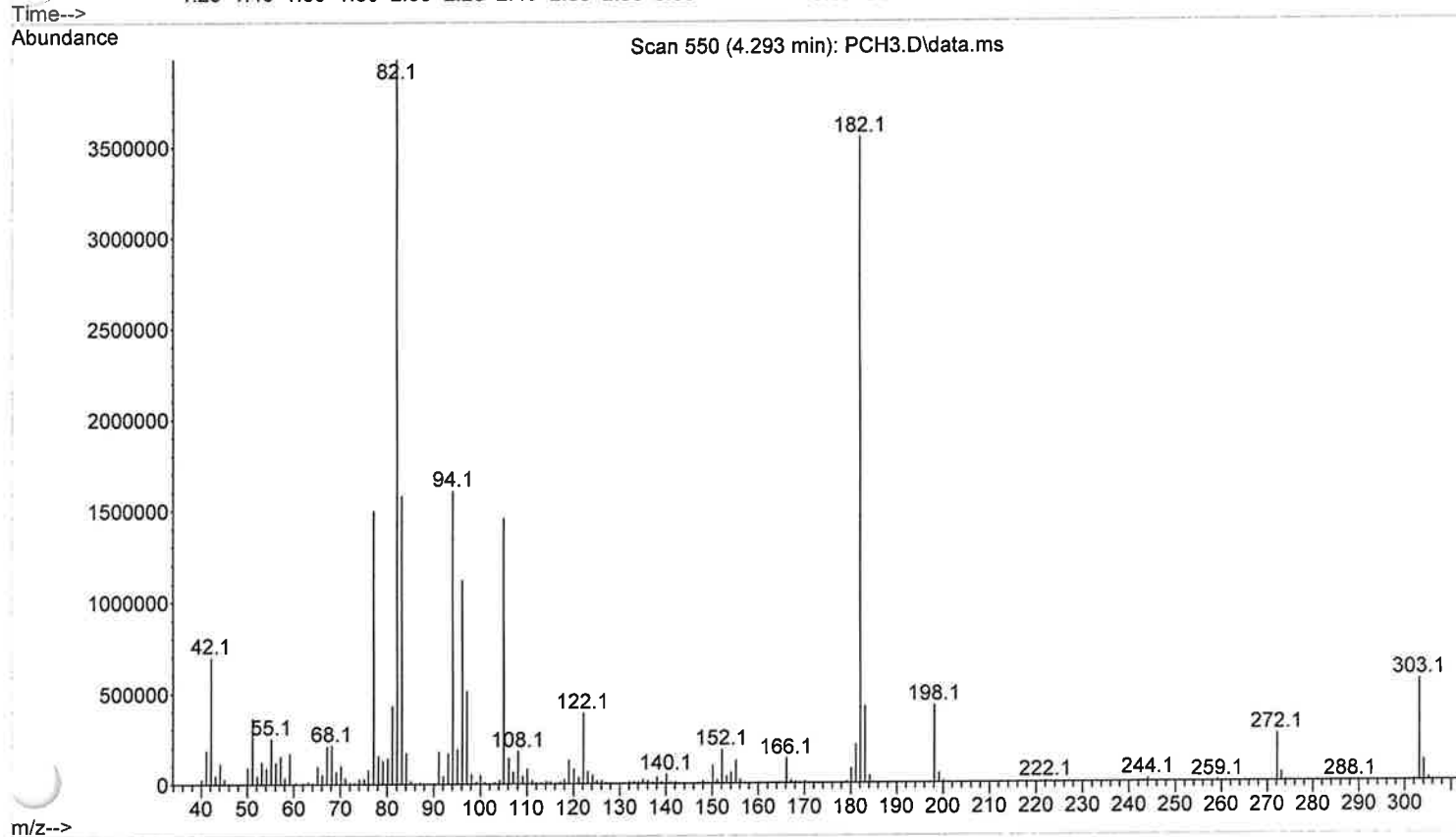
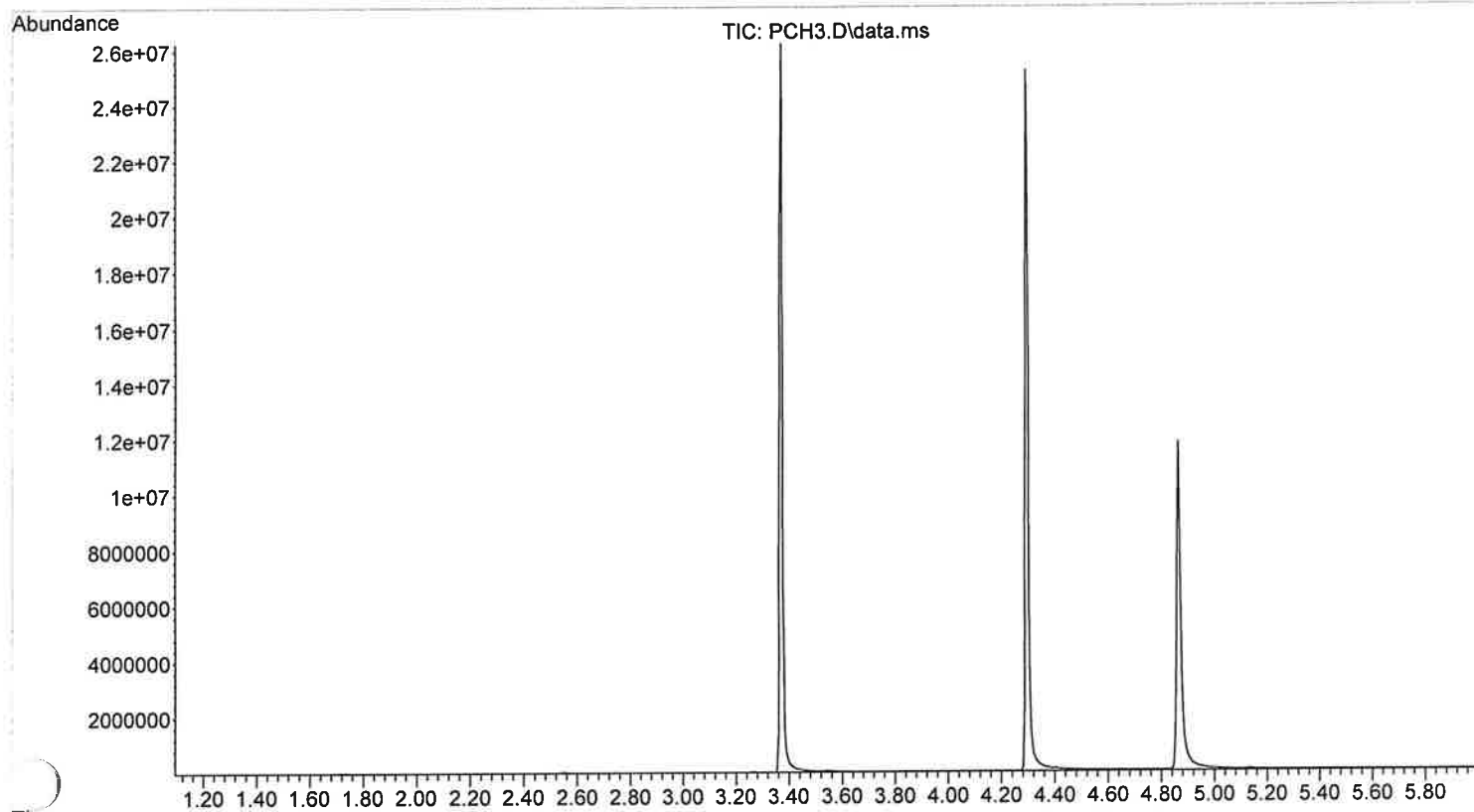
File :X:\2023\GJG\1-30-23\MSB5.D
Operator :
Acquired : 30 Jan 2023 13:34 using AcqMethod ASMS100TR.M
Instrument : Eggroll
Sample Name: MEOH B FOR CALIBRATON STANDARD MIX
Misc Info : 100-280
Vial Number: 2



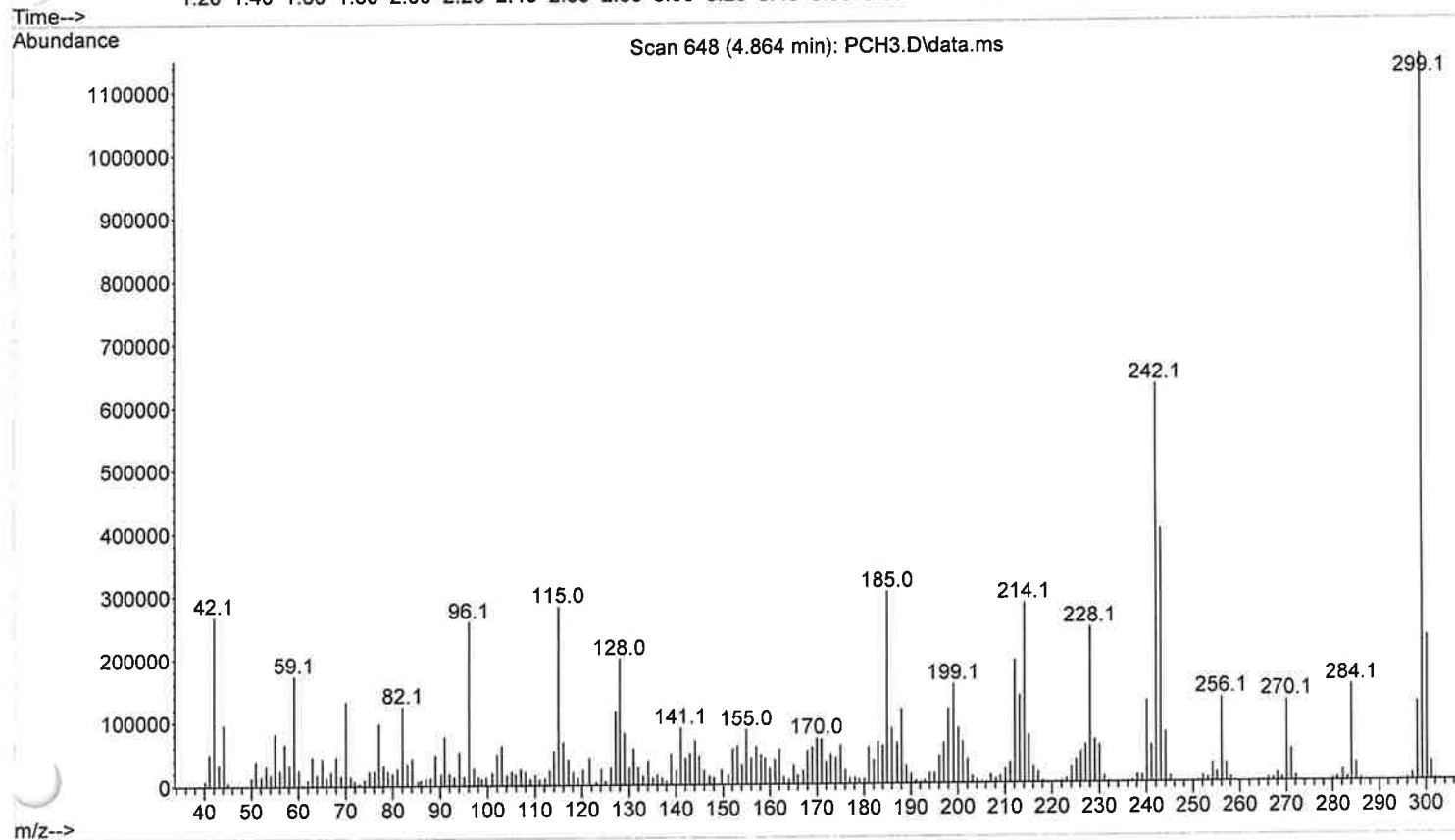
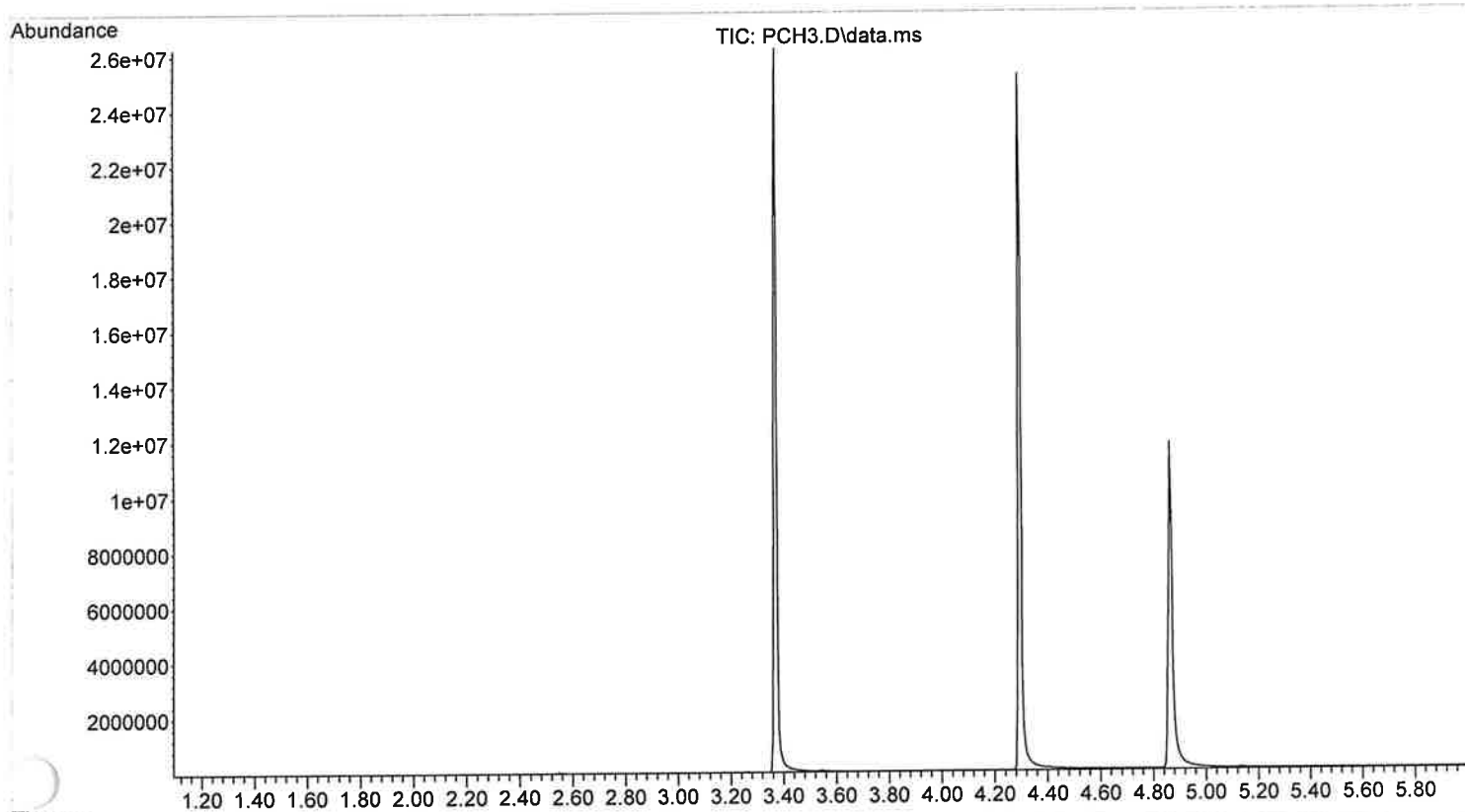
File :X:\2023\GJG\1-30-23\PCH3.D
Operator :
Acquired : 30 Jan 2023 13:43 using AcqMethod ASMS100TR.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD MIX -- 100-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 3



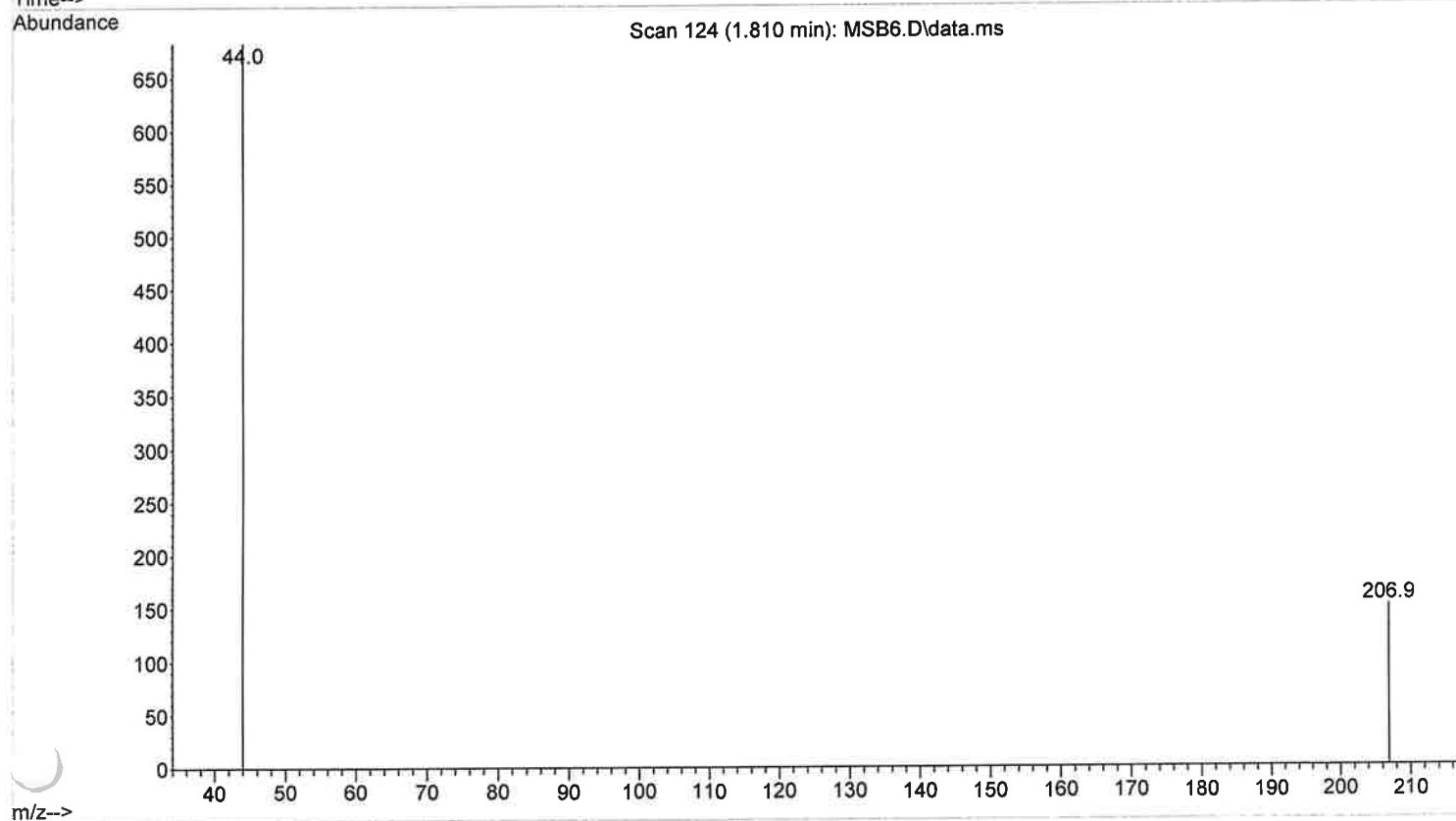
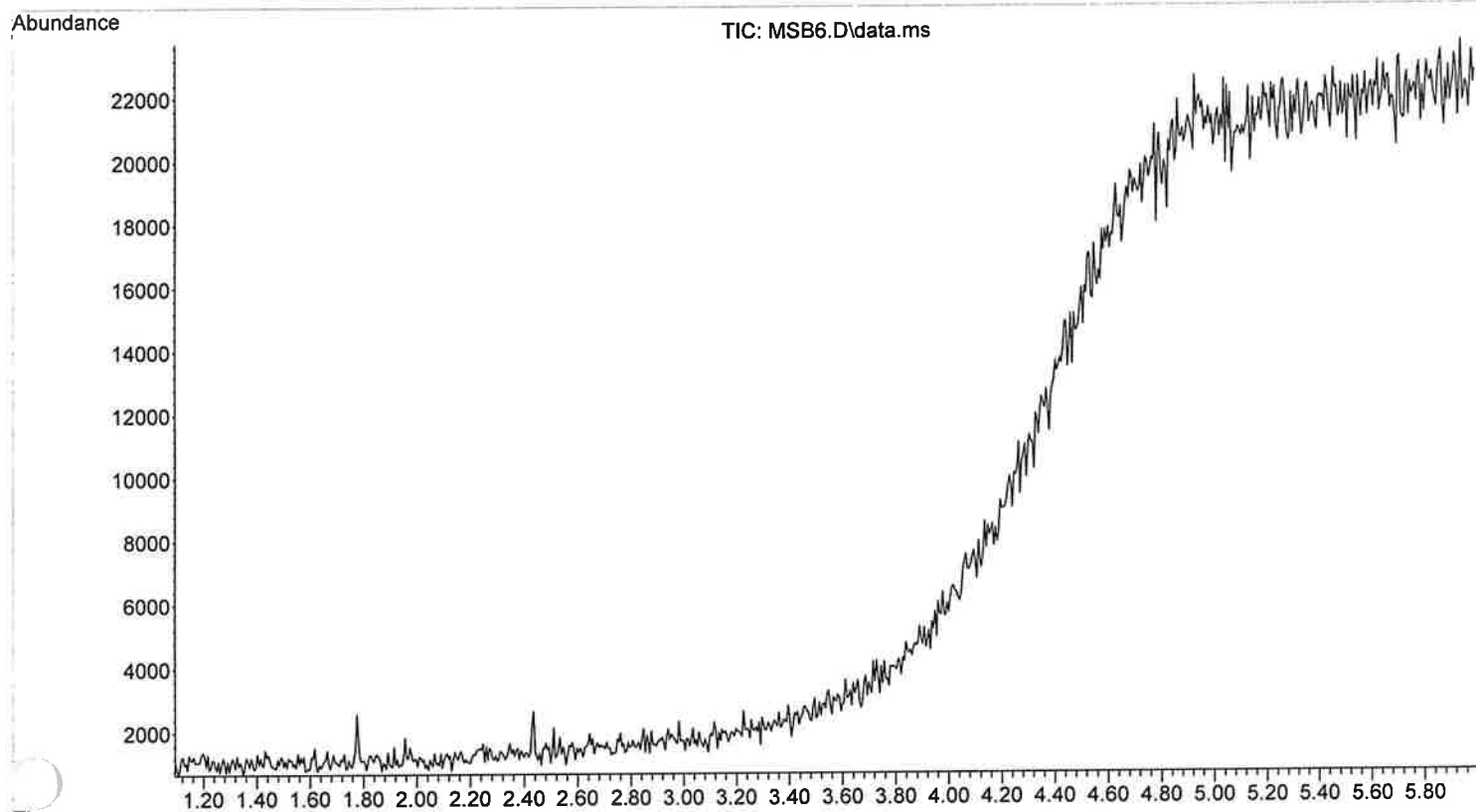
File :X:\2023\GJG\1-30-23\PCH3.D
Operator :
Acquired : 30 Jan 2023 13:43 using AcqMethod ASMS100TR.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD MIX -- 100-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 3



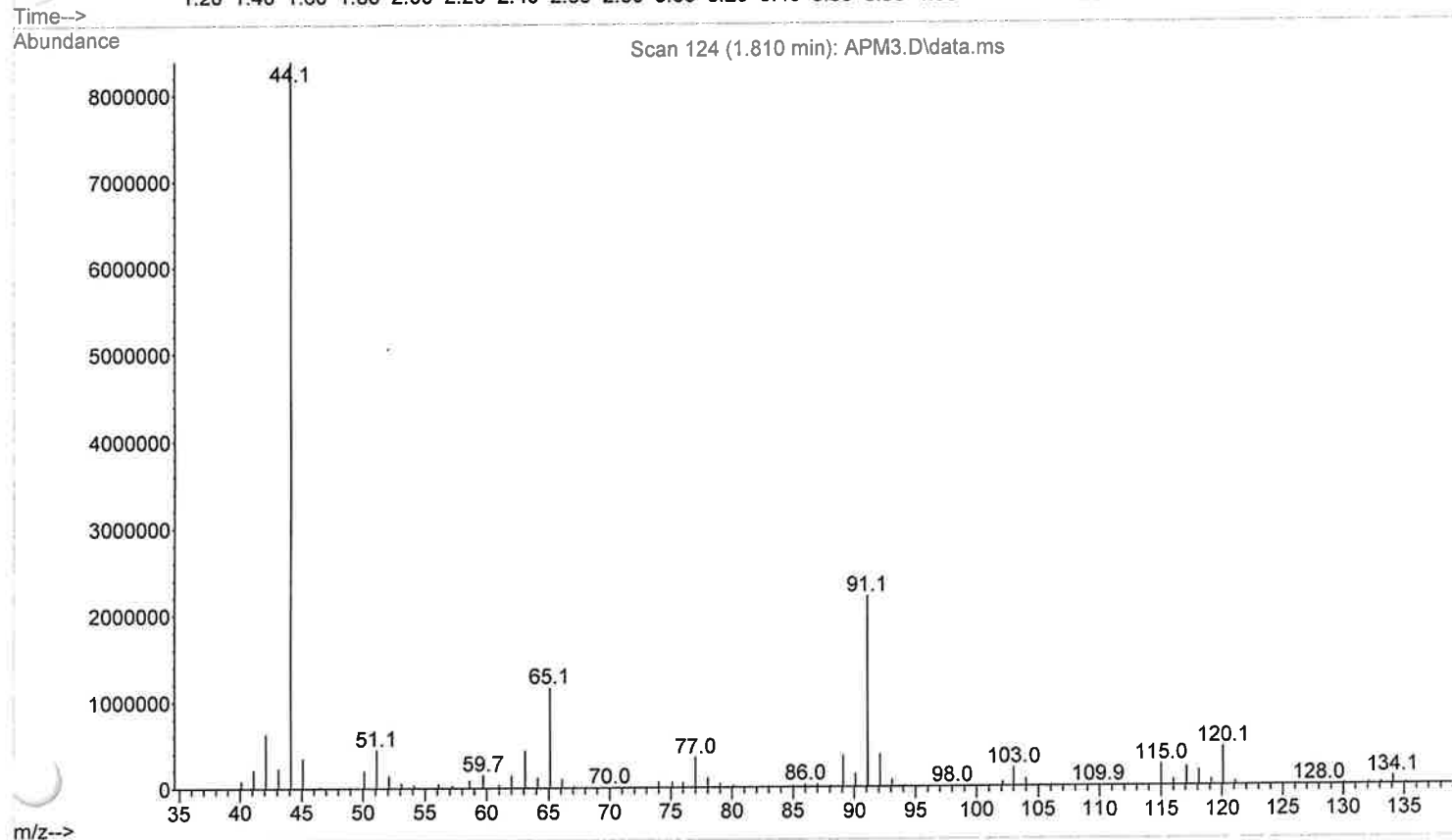
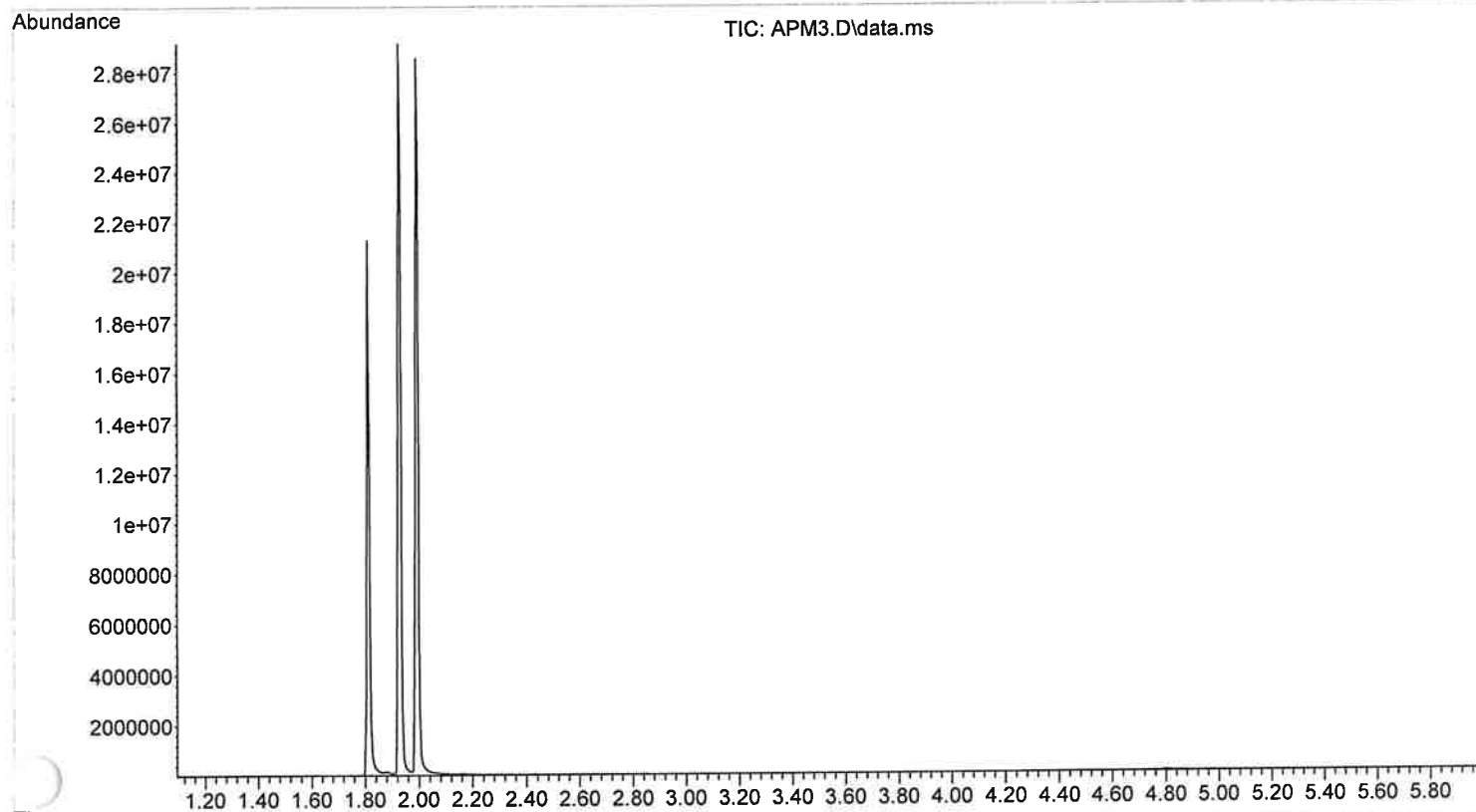
File :X:\2023\GJG\1-30-23\PCH3.D
Operator :
Acquired : 30 Jan 2023 13:43 using AcqMethod ASMS100TR.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD MIX -- 100-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 3



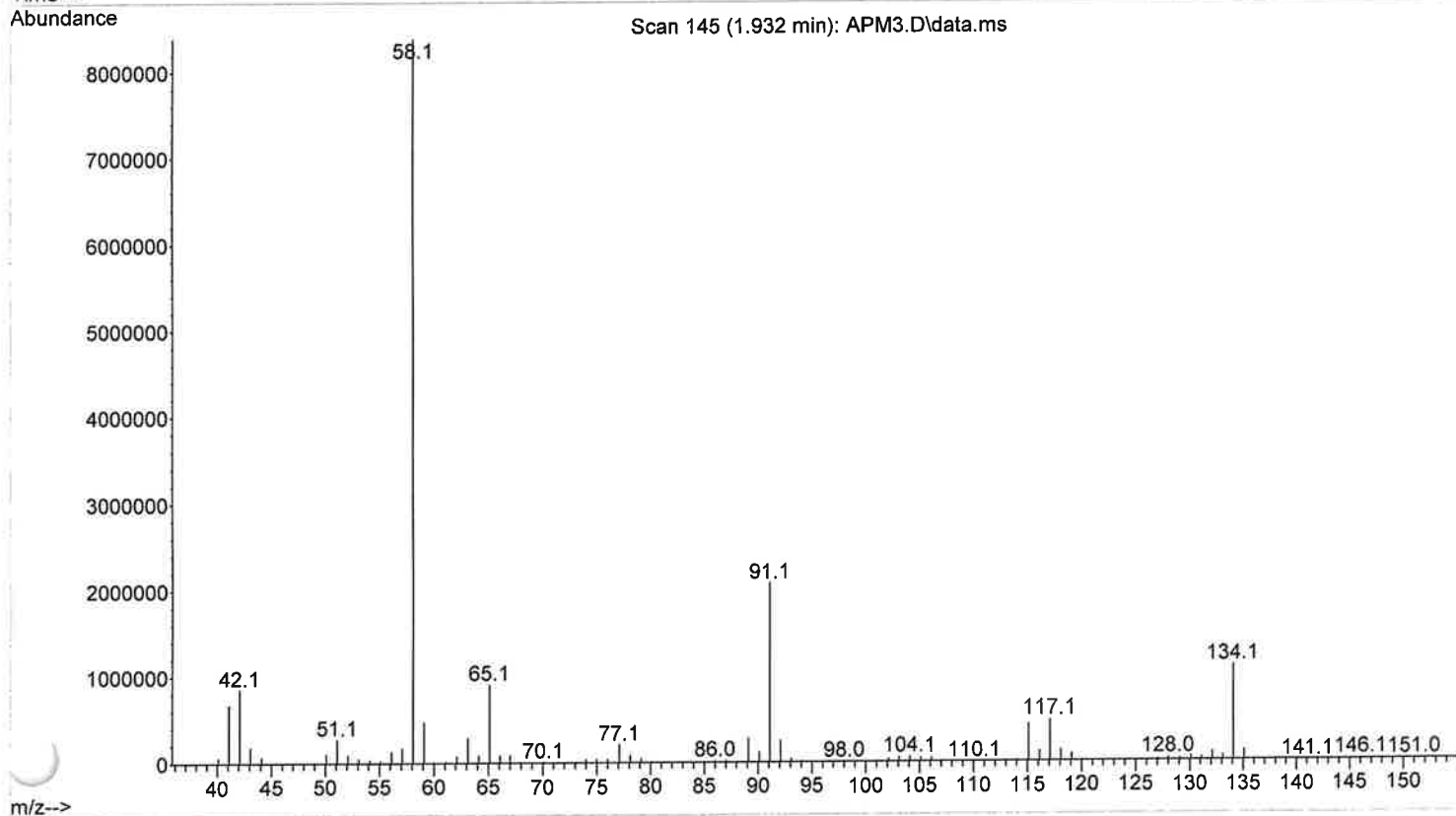
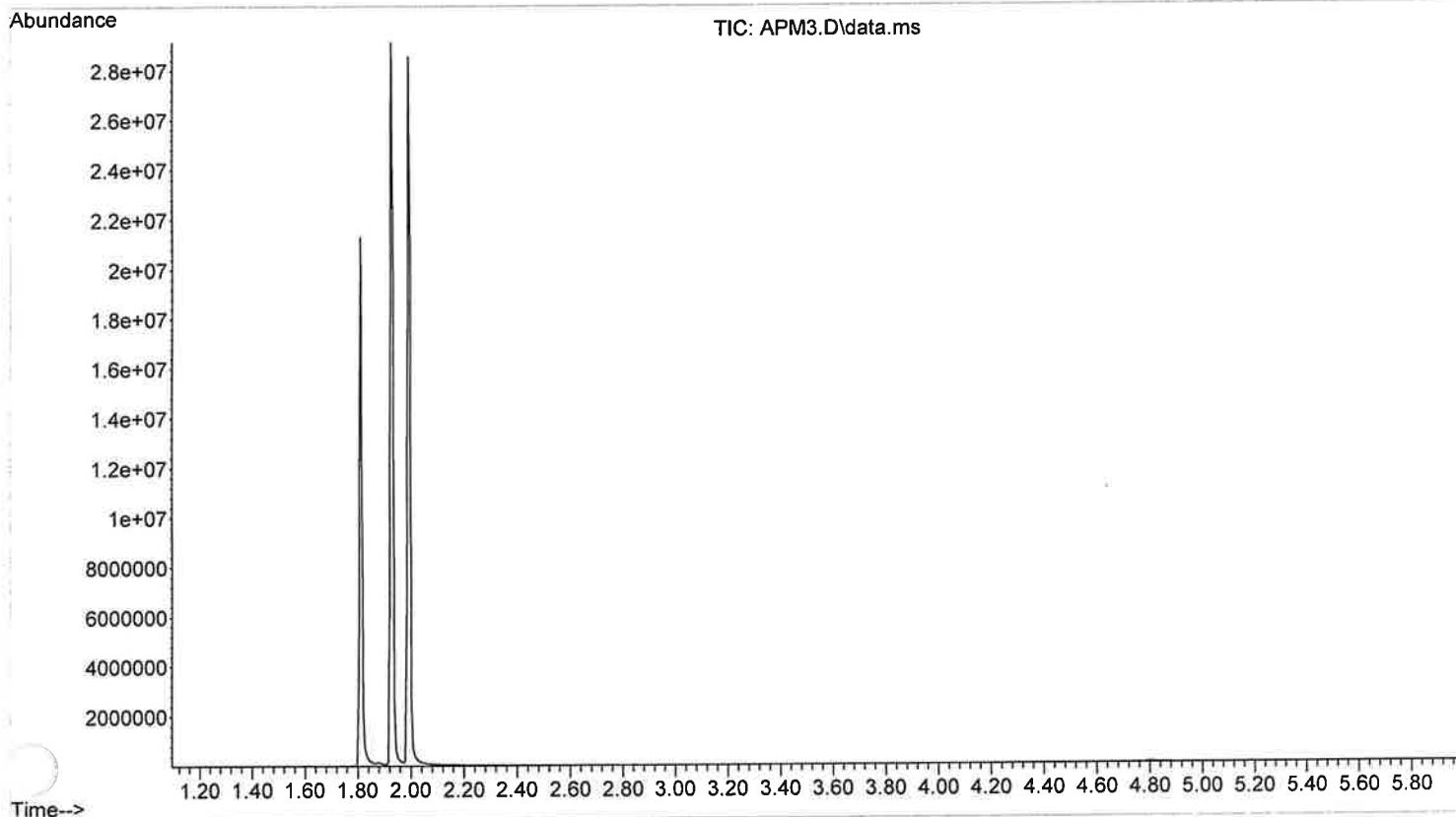
File :X:\2023\GJG\1-30-23\MSB6.D
Operator :
Acquired : 30 Jan 2023 14:00 using AcqMethod ASMS100TR.M
Instrument : Eggroll
Sample Name: MEOH B FOR GC/IR TEST SOLUTION
Misc Info : 100-280
Vial Number: 2



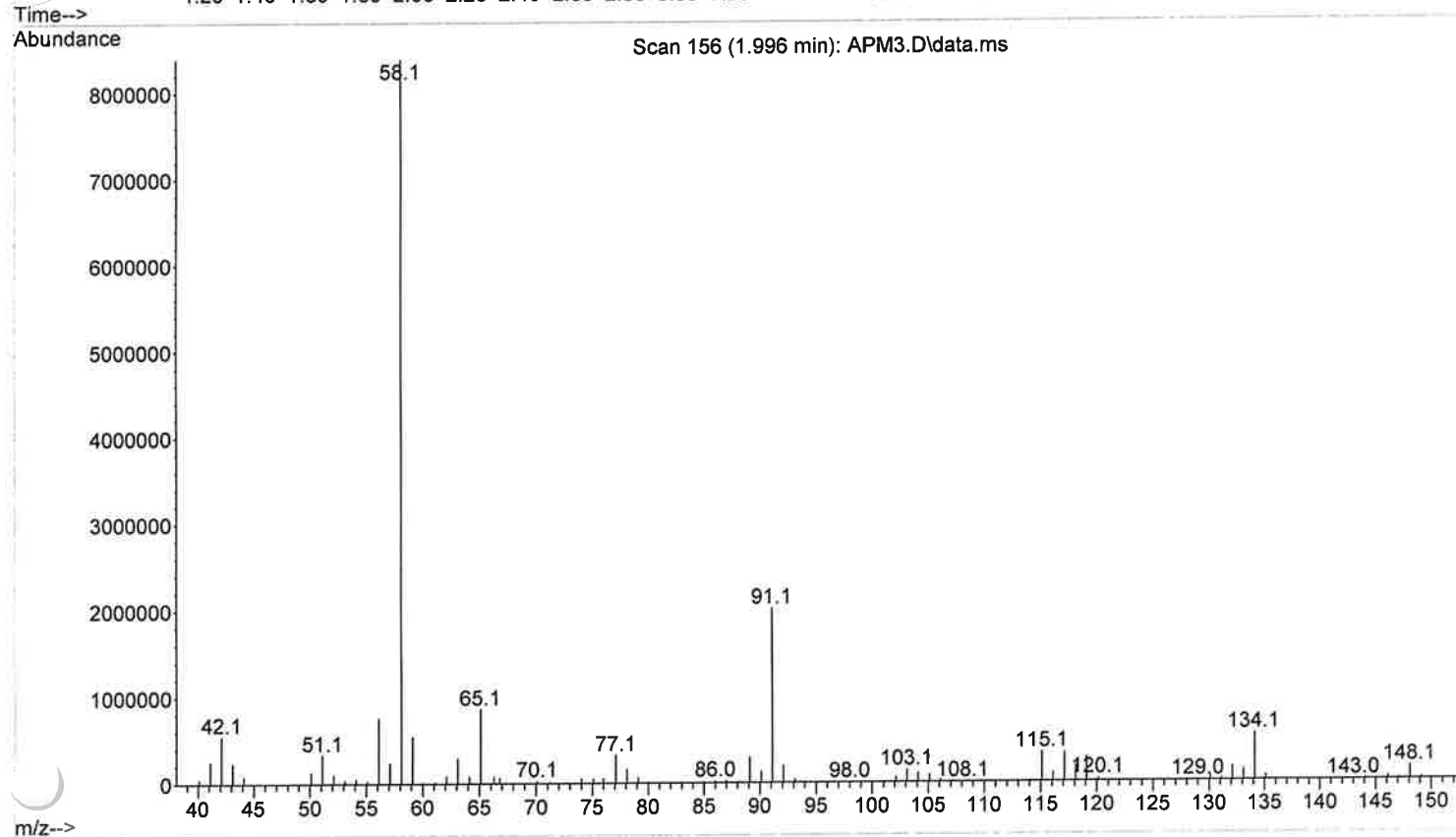
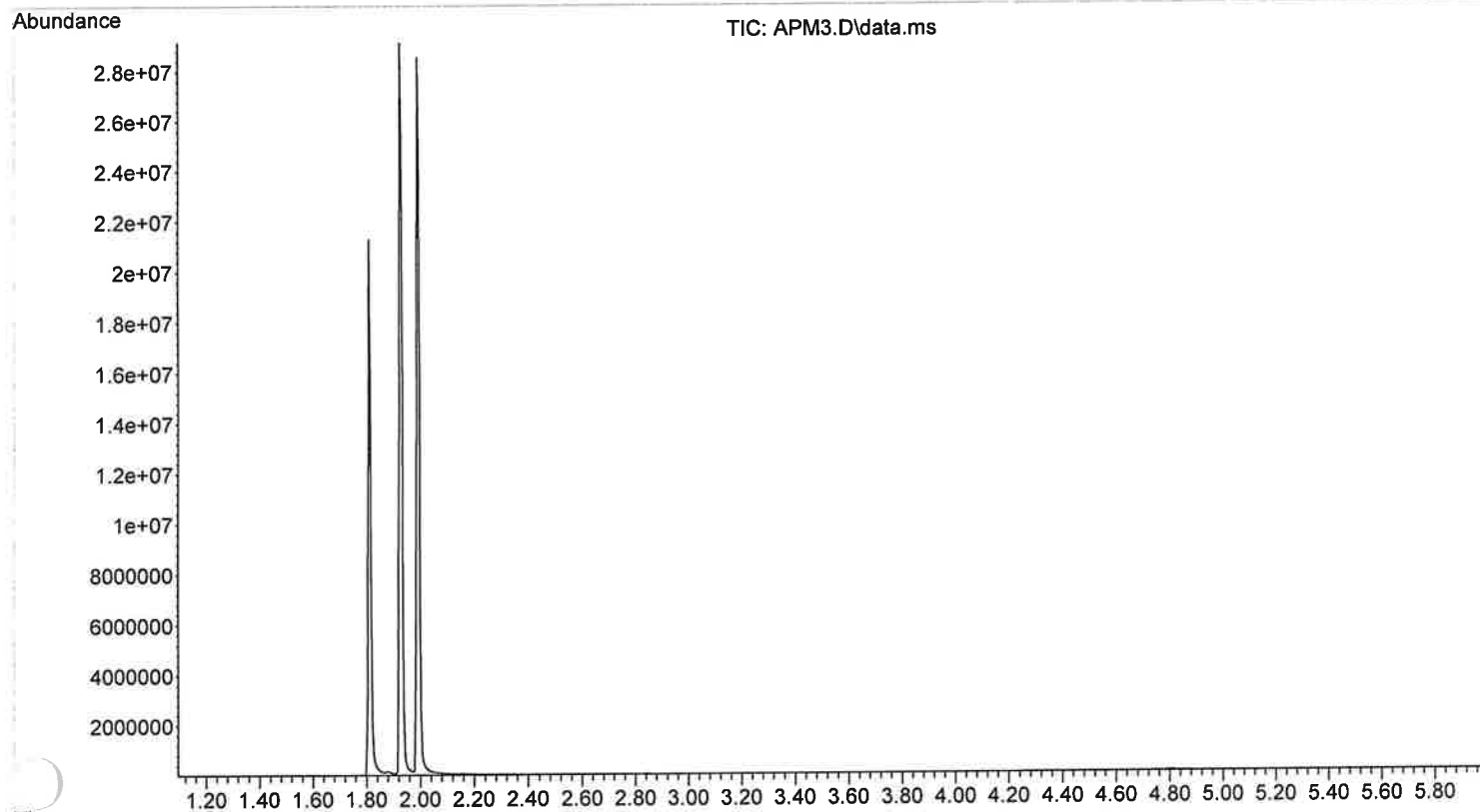
File :X:\2023\GJG\1-30-23\APM3.D
Operator :
Acquired : 30 Jan 2023 14:09 using AcqMethod ASMS100TR.M
Instrument : Eggroll
Sample Name: GC/IR TEST SOLUTION -- 100-280
Misc Info : AMPHETAMINE / PHENTERMINE / METHAMPHETAMINE
Vial Number: 4



File :X:\2023\GJG\1-30-23\APM3.D
Operator :
Acquired : 30 Jan 2023 14:09 using AcqMethod ASMS100TR.M
Instrument : Eggroll
Sample Name: GC/IR TEST SOLUTION -- 100-280
Misc Info : AMPHETAMINE / PHENTERMINE / METHAMPHETAMINE
Vial Number: 4



File :X:\2023\GJG\1-30-23\APM3.D
Operator :
Acquired : 30 Jan 2023 14:09 using AcqMethod ASMS100TR.M
Instrument : Eggroll
Sample Name: GC/IR TEST SOLUTION -- 100-280
Misc Info : AMPHETAMINE / PHENTERMINE / METHAMPHETAMINE
Vial Number: 4



METHOD CONTROL PARAMETERS

Method Information for: C:\MassHunter\GCMS\1\methods\ASMS200TR.M

Method Sections To Run:

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

Method Comments:

This is an auto sample method 200-280 / 6 minutes.

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	C:\MassHunter\GCMS\1\methods\ASMS200TR.M
Tune file	atune.u
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
Acquisition Type	Scan
Stop time (min)	10.00
Solvent delay (min)	1.00
Trace Ion Detection	False
Gain Factor	1
EM Saver	False
EM Saver Limit	N/A

Scan Time Segments

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

Timed Events

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

Real-Time Plots

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

Self-Cleaning Ion Source Parameters

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

C:\MassHunter\GCMS\1\methods\ASMS200TR.M
Fri Jan 13 14:15:36 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 100 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 3.86 min

Equilibration Time 0.5 min
Temperature 450 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 3
Solvent A Volume 3 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 3
Solvent B Volume 3 µL
Sample Washes 1
Sample Wash Volume 2 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
Injection Type Standard
L1 Airgap 0.2 µL

Solvent Wash Mode	A, B
Back Injector	
Syringe Size	10 µL
Injection Volume	1 µL
Solvent A Washes (PreInj)	2
Solvent A Washes (PostInj)	3
Solvent A Volume	3 µL
Solvent B Washes (PreInj)	2
Solvent B Washes (PostInj)	3
Solvent B Volume	3 µL
Sample Washes	2
Sample Wash Volume	1 µL
Sample Pumps	3
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Solvent Wash Mode	A, B
Sample Overlap Mode	Sample overlap is not enabled
ALS Errors	Pause for user interaction
Front SS Inlet He Excluded from Readiness Mode	***Excluded from Affecting GC's Readiness State***
Heater	Split
Pressure	On 250 °C
Total Flow	On 13.5 psi
Septum Purge Flow	On 44.838 mL/min
Gas Saver	On 3 mL/min
Split Ratio	Off
Split Flow	50 :1
Liner	41.017 mL/min
	A Liner has not been selected.
Back SS Inlet He Excluded from Readiness Mode	***Excluded from Affecting GC's Readiness State***
Heater	Split
Pressure	On 250 °C
Total Flow	On 8.5 psi
Septum Purge Flow	On 96.214 mL/min
Gas Saver	On 3 mL/min
Split Ratio	Off
Split Flow	50 :1
Liner	91.387 mL/min
	A Liner has not been selected.
Thermal Aux 2 (MSD Transfer Line) Temperature Setpoint (Initial)	On 280 °C
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Column	

Column #1	
Flow	On
Setpoint	0.82034 mL/min
(Initial)	3.5062 mL/min
Post Run	
Column Information	19091S-602
HP-1MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm (Calibrated)
In	Front SS Inlet He
Out	MSD
(Initial)	200 °C
Pressure	13.5 psi
Flow	0.82034 mL/min
Average Velocity	54.354 cm/sec
Holdup Time	0.38329 min
Control Mode	Constant Flow
Column #2	
Pressure	On
Setpoint	8.5 psi
(Initial)	10 psi
Post Run	
Column Information	19091S-913
HP-1MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	15 m x 320 µm x 0.25 µm (Calibrated)
In	Back SS Inlet He
Out	Other
(Initial)	200 °C
Pressure	8.5 psi
Flow	1.8277 mL/min
Average Velocity	45.999 cm/sec
Holdup Time	0.54349 min
Control Mode	Constant Pressure
Column Outlet Pressure	0 psi
Front Detector FID	
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Makeup	He
Heater	On 300 °C
H2 Flow	Off
Air Flow	Off
Makeup Flow	Off
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	Off
Signals	
Signal #1: Front Signal	Front Signal
Description	Front Signal (FID)
Details	Off
Save	50 Hz
Data Rate	Front Sample
Dual Injection Assignment	
Signal #2: Test Plot	Test Plot
Description	Off
Save	50 Hz
Data Rate	Front Sample
Dual Injection Assignment	

Signal #3: Test Plot
Description
Save
Data Rate
Dual Injection Assignment

Test Plot
Off
50 Hz
Back Sample

Signal #4: Test Plot
Description
Save
Data Rate
Dual Injection Assignment

Test Plot
Off
50 Hz
Back Sample

TUNE PARAMETERS for SN: US61633037

Trace Ion Detection is OFF.

34.610 : EMISSION
70.347 : ENERGY
34.961 : REPELLER
83.514 : IONFOCUS
28.500 : ENTRANCE_LENS
1470.588 : EMVOLTS

1470.588 : Actual EMV
0.28 : GAIN FACTOR

2128.000 : AMUGAIN
120.250 : AMUOFFSET
1.000 : FILAMENT
0.000 : DCPOLARITY
16.565 : ENTLENSOFFSET
-575.000 : MASSGAIN
35.000 : MASSOFFSET

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

Method Path : C:\MassHunter\GCMS\1\methods\

Method File : ASMS200TR.M

Title :

Auto Update :

Response Via : Initial Calibration

Total Cpnds : 0

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

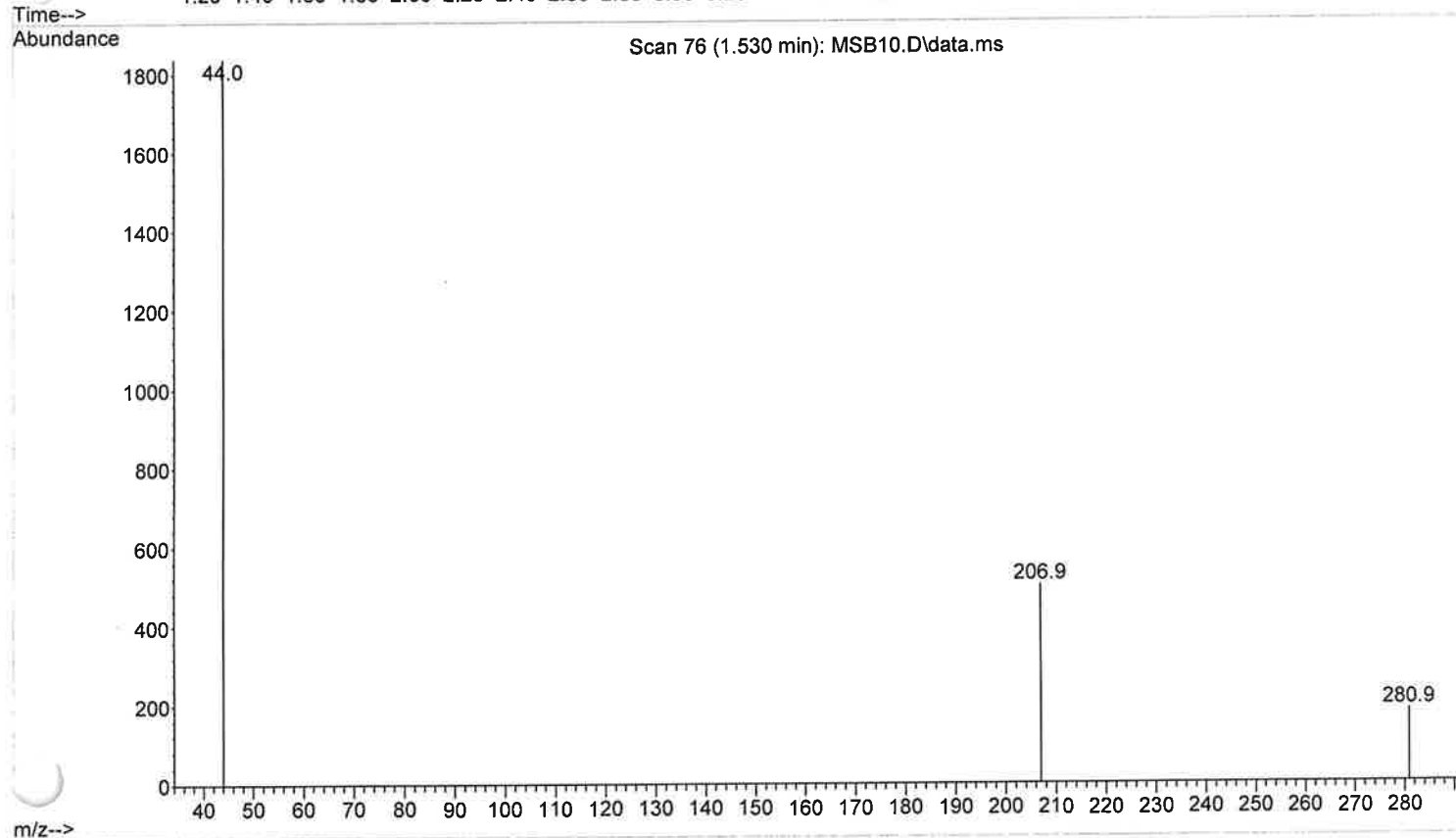
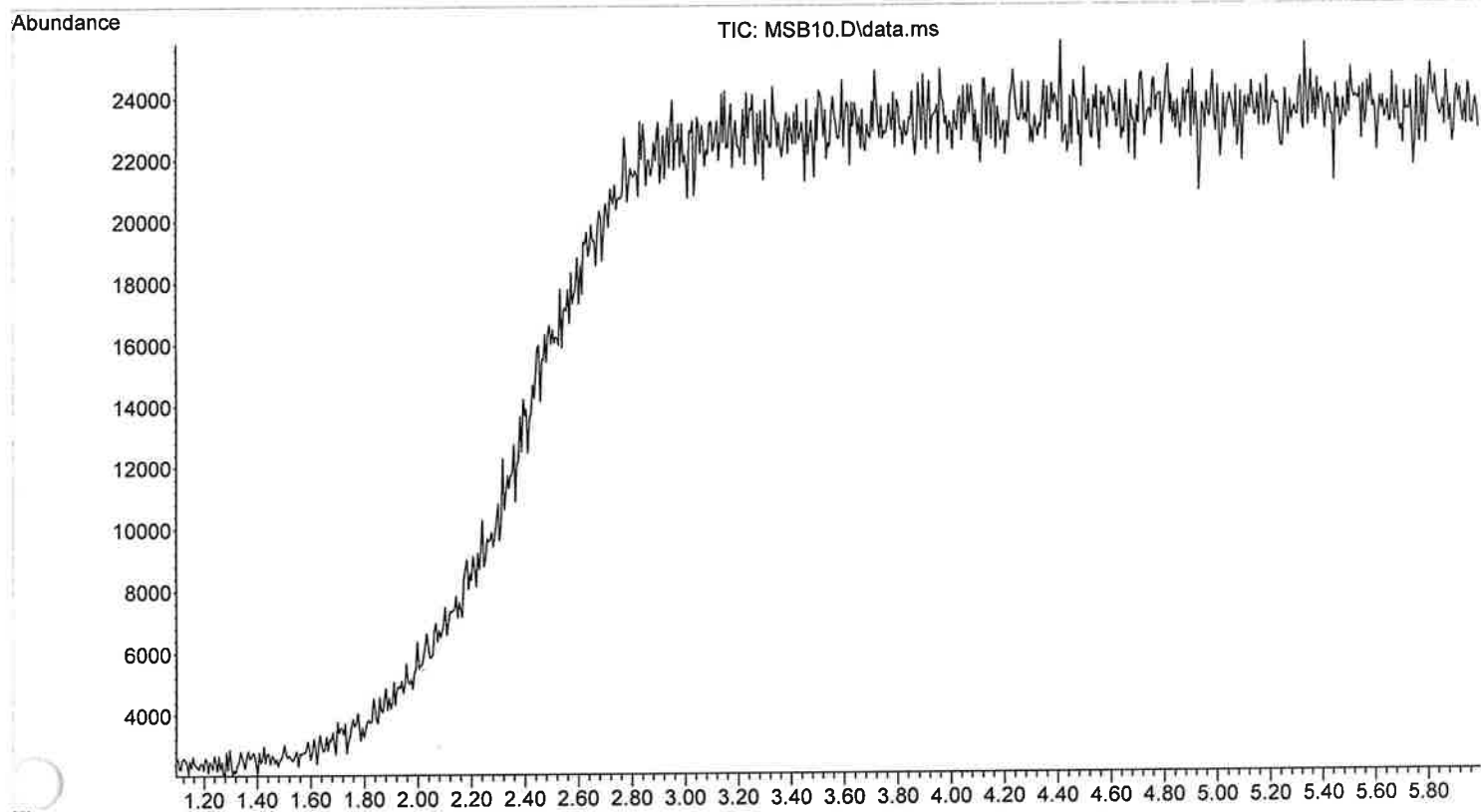
Cal A = Average L = Linear LO = Linear w/origin Q = Quad Q0 = Quad w/origin

#Qual = number of qualifiers

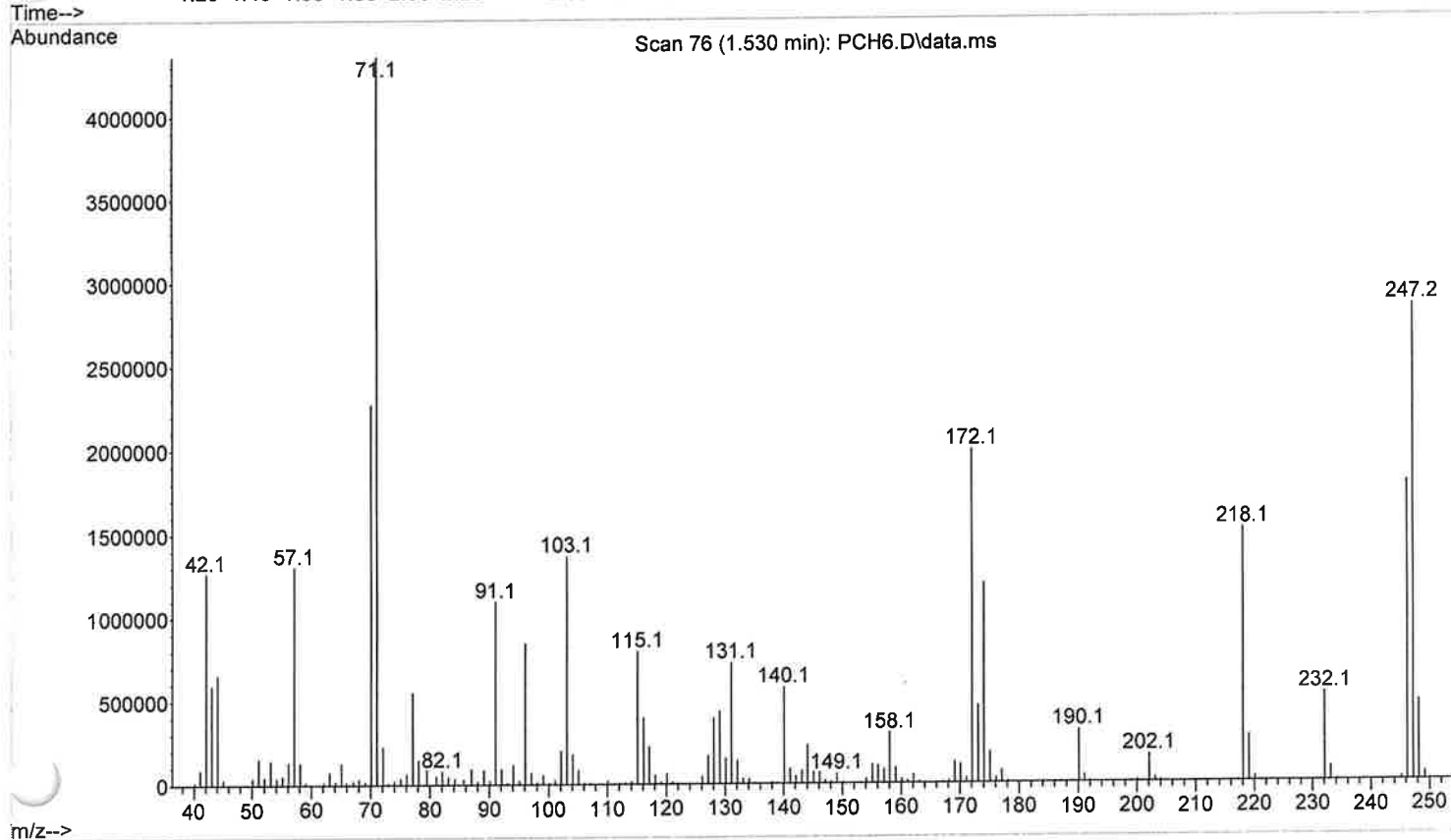
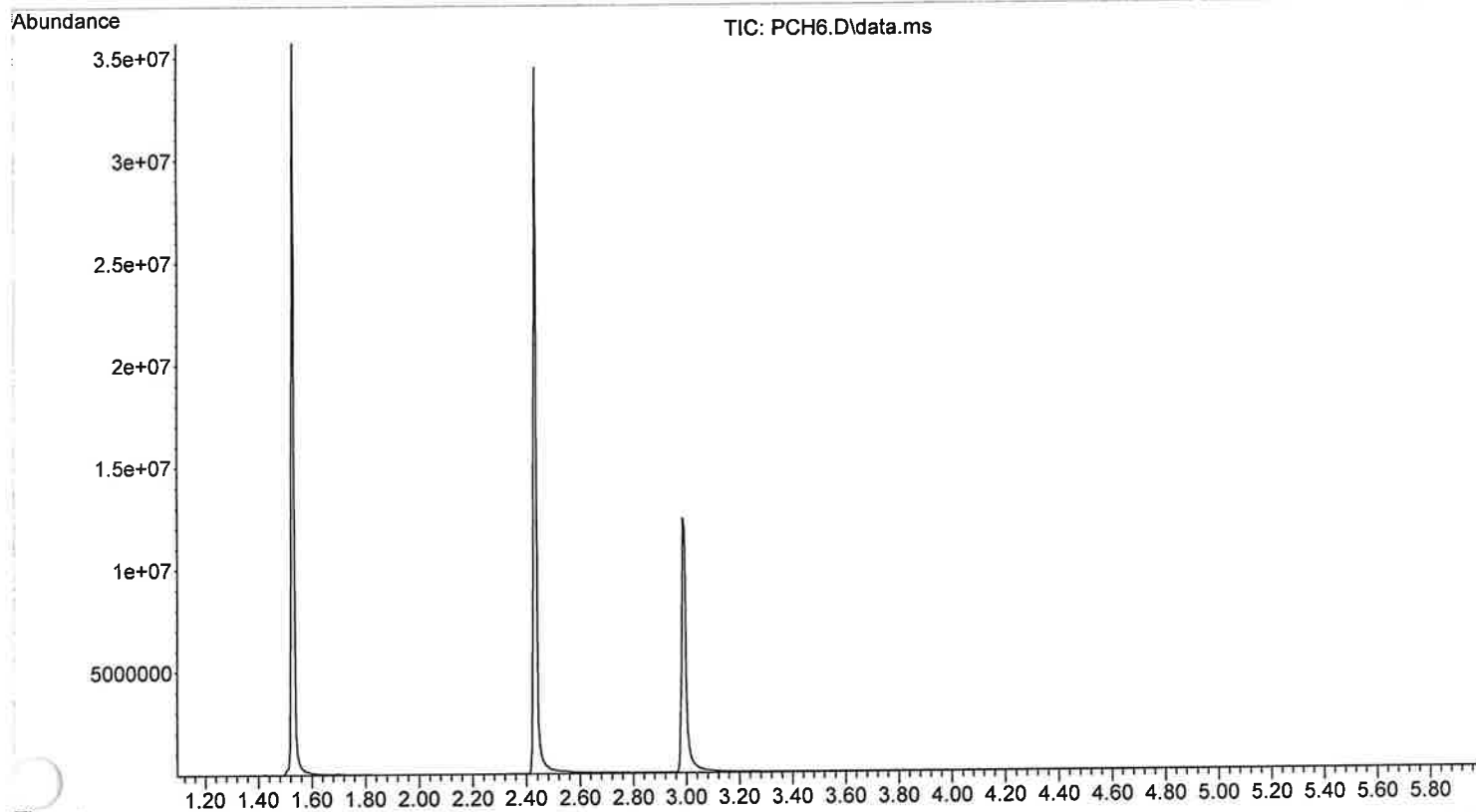
A/H = Area or Height

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

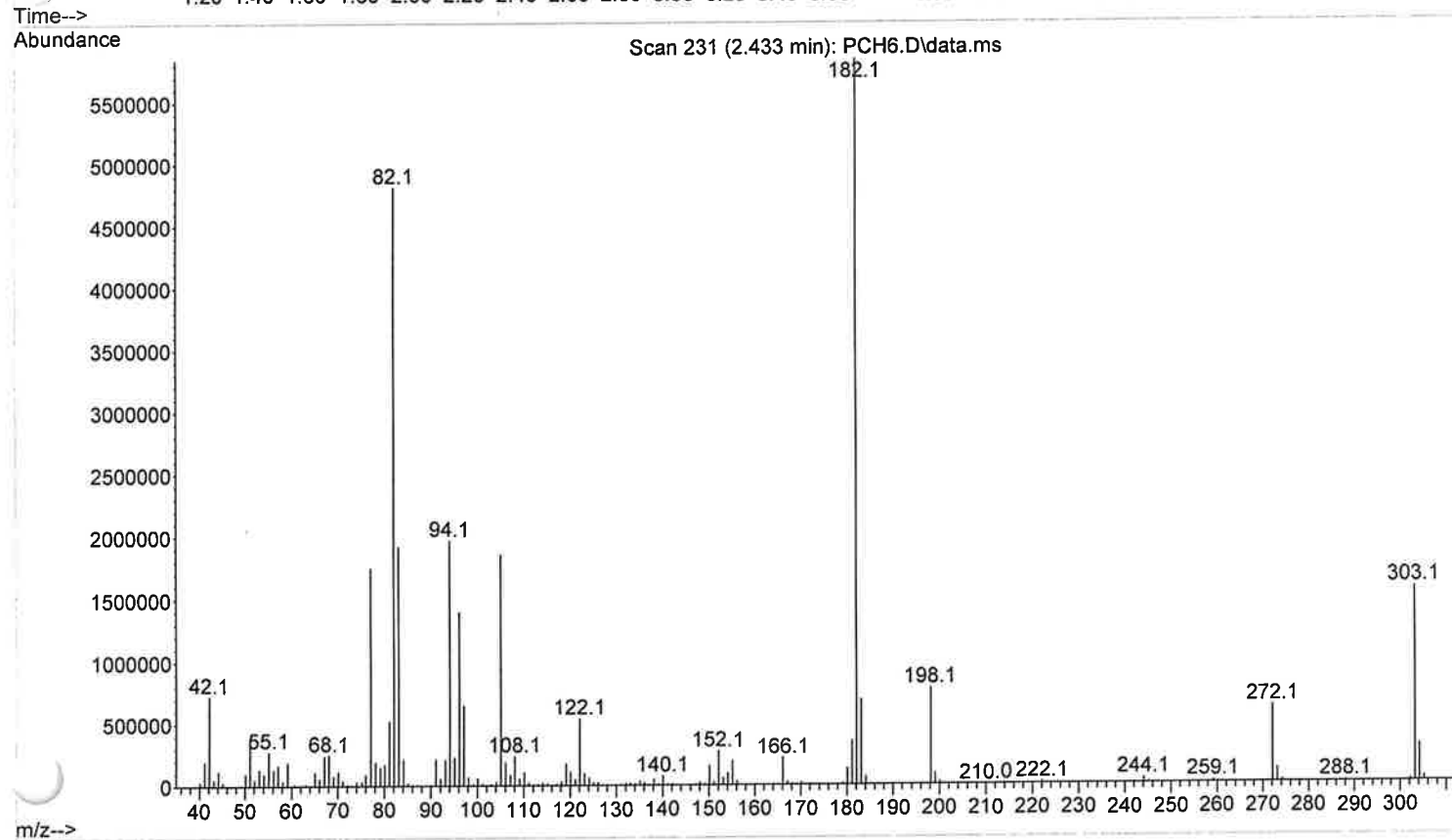
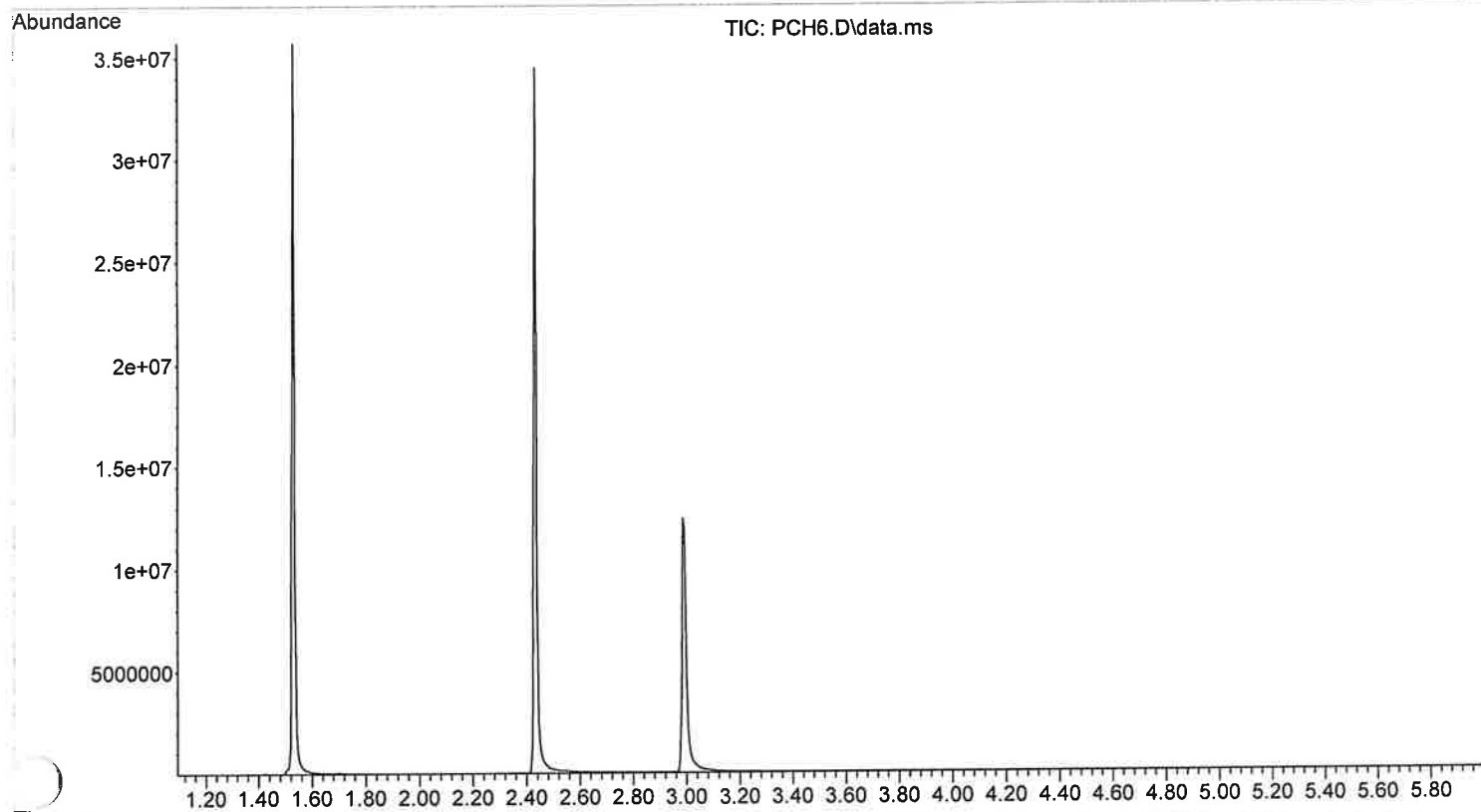
File :X:\2023\GJG\1-30-23\MSB10.D
Operator :
Acquired : 30 Jan 2023 17:29 using AcqMethod ASMS200TR.M
Instrument : Eggroll
Sample Name: MEOH B FOR CALIBRAION STANDARD MIX
Misc Info : 200-280
Vis Number: 2



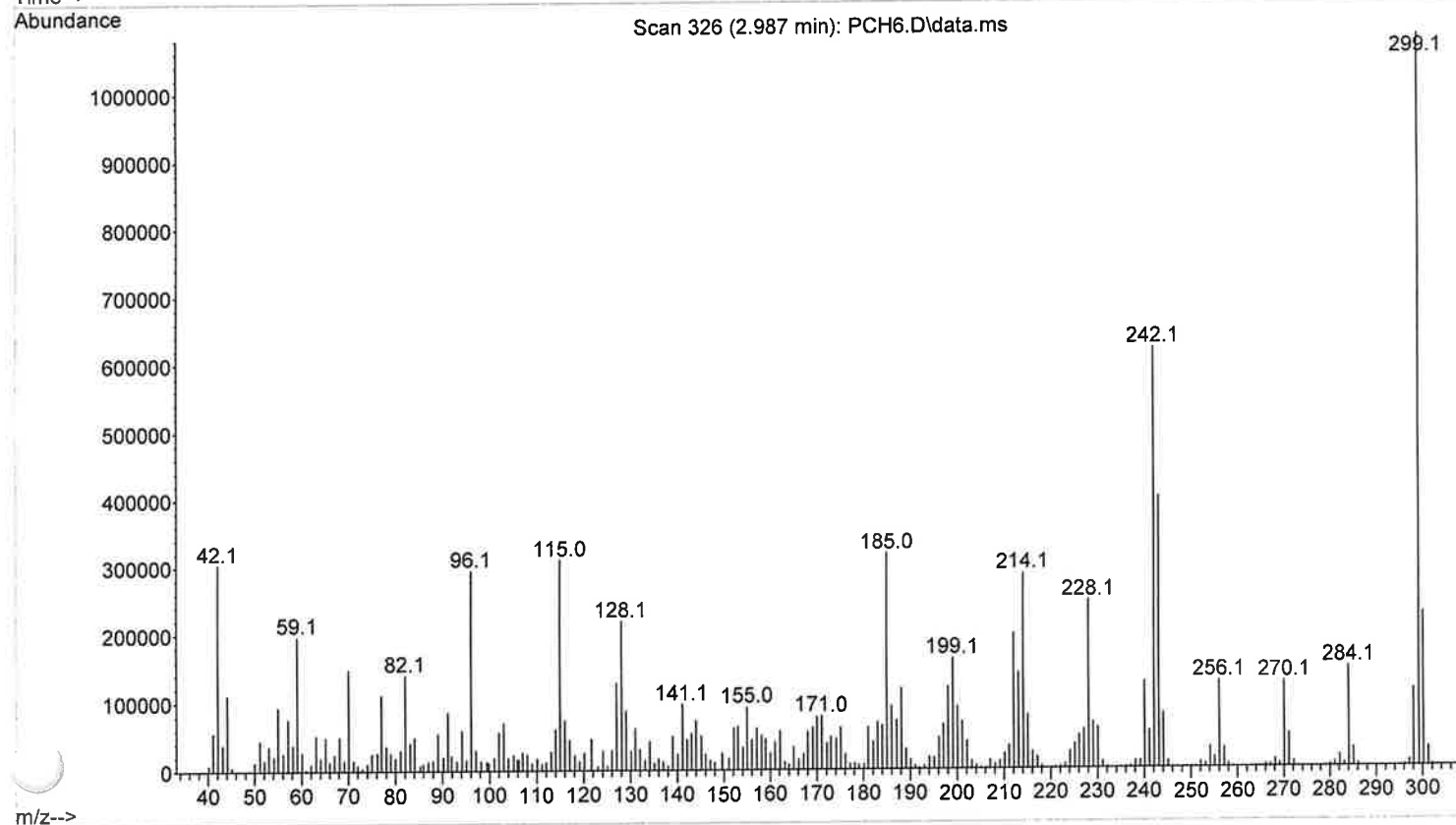
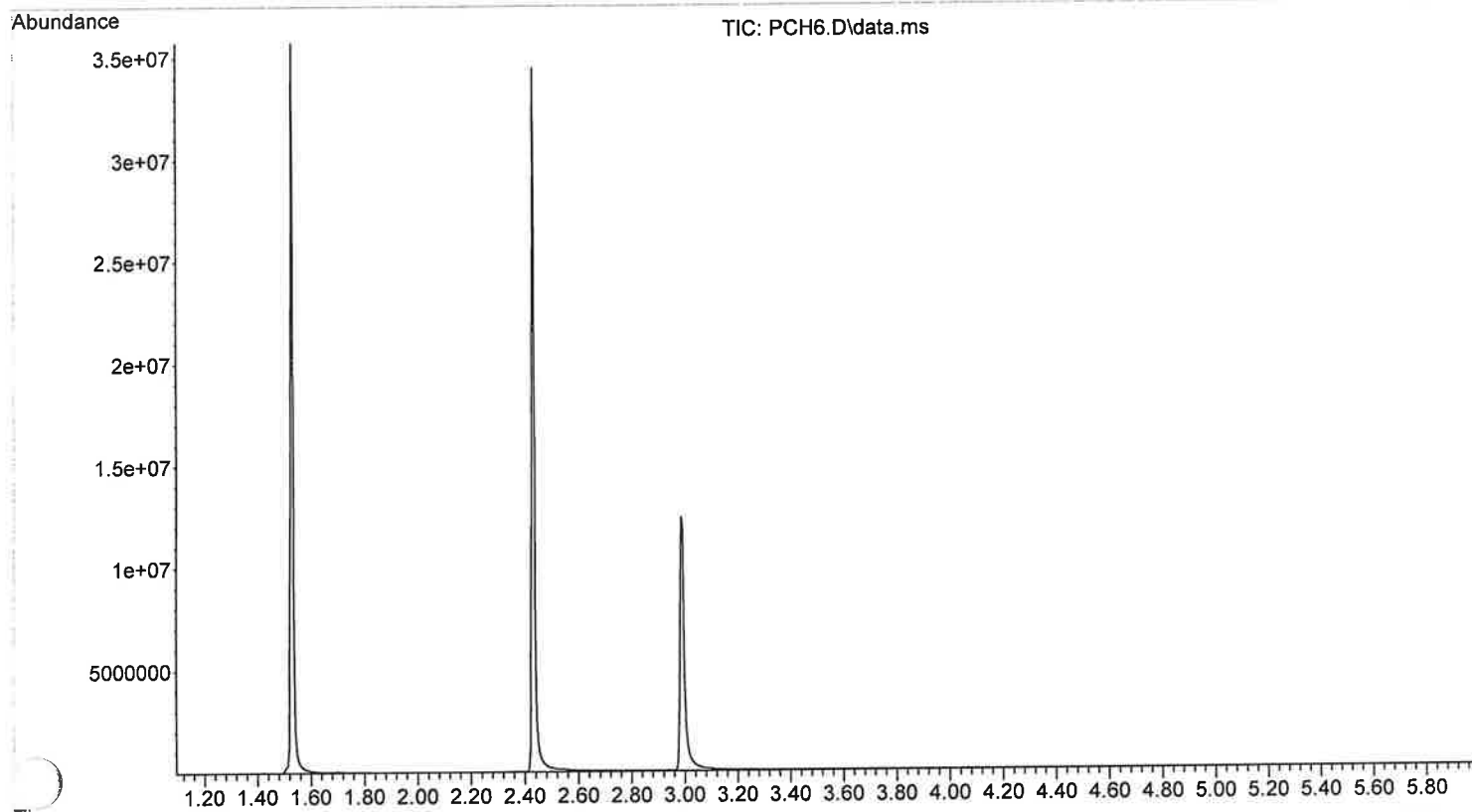
File :X:\2023\GJG\1-30-23\PCH6.D
Operator :
Acquired : 30 Jan 2023 17:38 using AcqMethod ASMS200TR.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD MIX -- 200-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 3



File :X:\2023\GJG\1-30-23\PCH6.D
Operator :
Acquired : 30 Jan 2023 17:38 using AcqMethod ASMS200TR.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD MIX -- 200-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
View Number: 3



File :X:\2023\GJG\1-30-23\PCH6.D
Operator :
Acquired : 30 Jan 2023 17:38 using AcqMethod ASMS200TR.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD MIX -- 200-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 3



METHOD CONTROL PARAMETERS

Method Information for: C:\MassHunter\GCMS\1\methods\GC100.M

Method Sections To Run:

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

Method Comments:

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

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	C:\MassHunter\GCMS\1\methods\GC100.M
Tune file	ATUNE.U
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
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
------	-------------

C:\MassHunter\GCMS\1\methods\GC100.M

Mon Jan 09 16:35:59 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 100 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 6.43 min

Equilibration Time 0.5 min
Max Temperature 450 °C
Minimum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 3
Solvent A Volume 2 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 3
Solvent B Volume 2 µL
Sample Washes 1
Sample Wash Volume 2 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
Injection Type Standard
L1 Airgap 0.2 µL
Solvent Wash Mode A, B

Back Injector	
Syringe Size	10 µL
Injection Volume	1 µL
Solvent A Washes (PreInj)	2
Solvent A Washes (PostInj)	3
Solvent A Volume	3 µL
Solvent B Washes (PreInj)	2
Solvent B Washes (PostInj)	3
Solvent B Volume	3 µL
Sample Washes	2
Sample Wash Volume	1 µL
Sample Pumps	3
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Solvent Wash Mode	A, B
Sample Overlap Mode	Sample overlap is not enabled
ALS Errors	Pause for user interaction
Front SS Inlet He	
Excluded from Readiness Mode	***Excluded from Affecting GC's Readiness State***
Heater	Split
Pressure	On 250 °C
Total Flow	On 8.5 psi
Septum Purge Flow	On 45.194 mL/min
Gas Saver	On 3 mL/min
Split Ratio	Off
Split Flow	50 :1
Liner	41.367 mL/min
	A Liner has not been selected.
Back SS Inlet He	
Excluded from Readiness Mode	***Excluded from Affecting GC's Readiness State***
Heater	Split
Pressure	On 250 °C
Total Flow	On 10 psi
Septum Purge Flow	On 172.89 mL/min
Gas Saver	On 3 mL/min
Split Ratio	Off
Split Flow	50 :1
Liner	166.56 mL/min
	A Liner has not been selected.
Thermal Aux 2 (MSD Transfer Line)	
Temperature	
Setpoint (Initial)	On
	280 °C
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Column	
Column #1	

Flow	On
Setpoint	0.82733 mL/min
(Initial)	3.5062 mL/min
Post Run	
Column Information	19091S-602
HP-1MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm (Calibrated)
In	Front SS Inlet He
Out	MSD
(Initial)	100 °C
Pressure	8.5 psi
Flow	0.82733 mL/min
Average Velocity	52.55 cm/sec
Holdup Time	0.39644 min
Control Mode	Constant Flow
Column #2	
Pressure	On
Setpoint	10 psi
(Initial)	10 psi
Post Run	
Column Information	19091S-913
HP-1MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	15 m x 320 µm x 0.25 µm (Calibrated)
In	Back SS Inlet He
Out	Other
(Initial)	100 °C
Pressure	10 psi
Flow	3.3311 mL/min
Average Velocity	63.306 cm/sec
Holdup Time	0.39491 min
Control Mode	Constant Pressure
Column Outlet Pressure	0 psi
Front Detector FID	
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Makeup	He
Heater	On 300 °C
H2 Flow	On 30 mL/min
Air Flow	On 400 mL/min
Makeup Flow	On 25 mL/min
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	On
Signals	
Signal #1: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #2: Test Plot	
Description	Test Plot
Save	Off
Data Rate	50 Hz
Dual Injection Assignment	Back Sample
Signal #3: Test Plot	

Description
Save
Data Rate
Dual Injection Assignment

Test Plot
Off
50 Hz
Back Sample

Signal #4: Test Plot
Description
Save
Data Rate
Dual Injection Assignment

Test Plot
Off
50 Hz
Back Sample

TUNE PARAMETERS for SN: US61633037

Trace Ion Detection is OFF.

34.610 : EMISSION
70.347 : ENERGY
34.961 : REPELLER
88.259 : IONFOCUS
25.500 : ENTRANCE LENS
1435.294 : EMVOLTS
1635.294 : Actual EMV
1.02 : GAIN FACTOR
2126.000 : AMUGAIN
120.563 : AMUOFFSET
1.000 : FILAMENT
0.000 : DCPOLARITY
18.824 : ENTLENSOFFSET
-575.000 : MASSGAIN
-34.000 : MASSOFFSET

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

Method Path : C:\MassHunter\GCMS\1\methods\

Method File : GC100.M

Title :

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

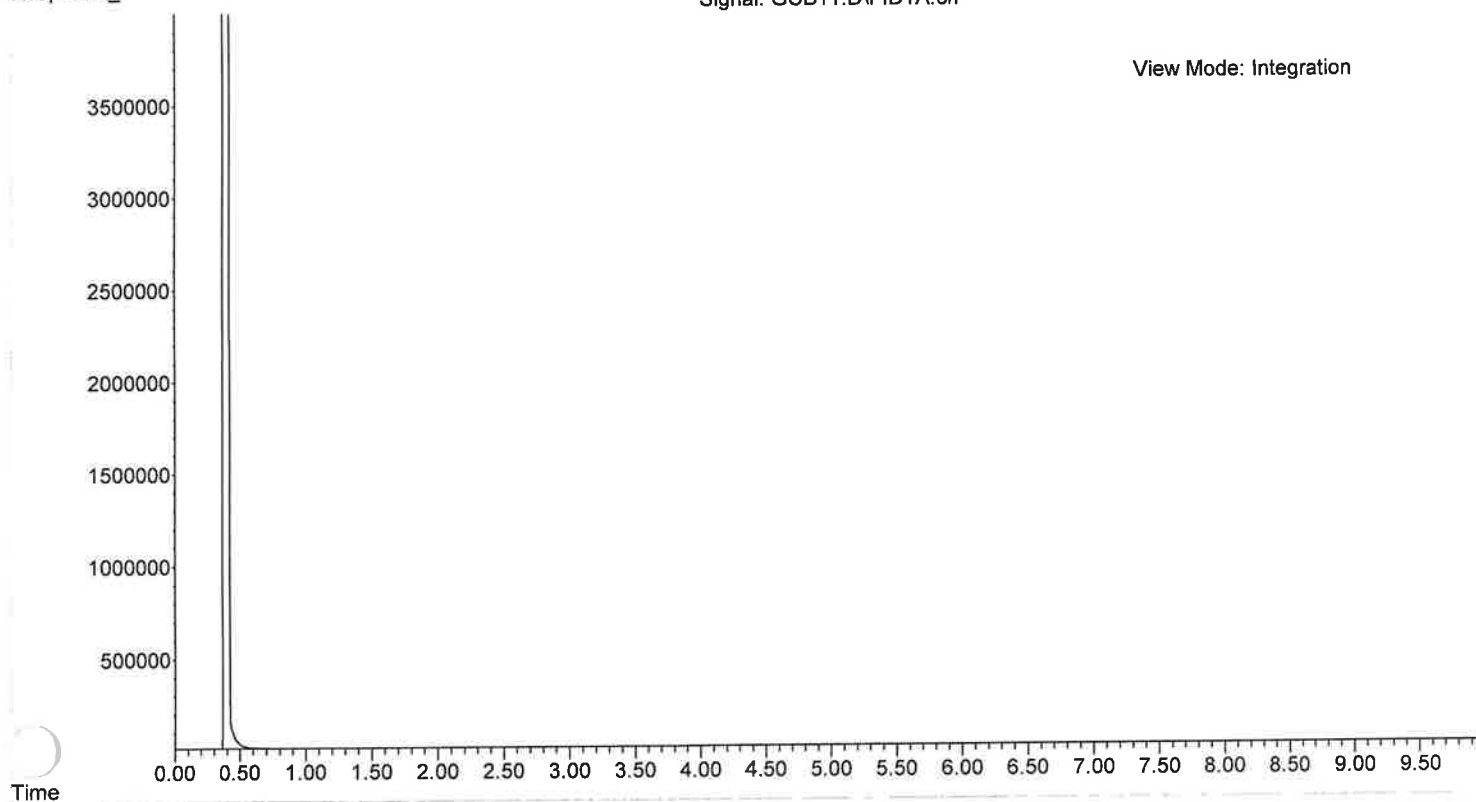
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

File :X:\2023\GJG\GCB11.D
Operator :
Acquired : 06 Mar 2023 12:10 using AcqMethod GC100.M
Instrument : Eggroll
Sample Name: MEOH B FOR CALIBRATION STANDARD
Misc Info : 100-280
Via Number: 1

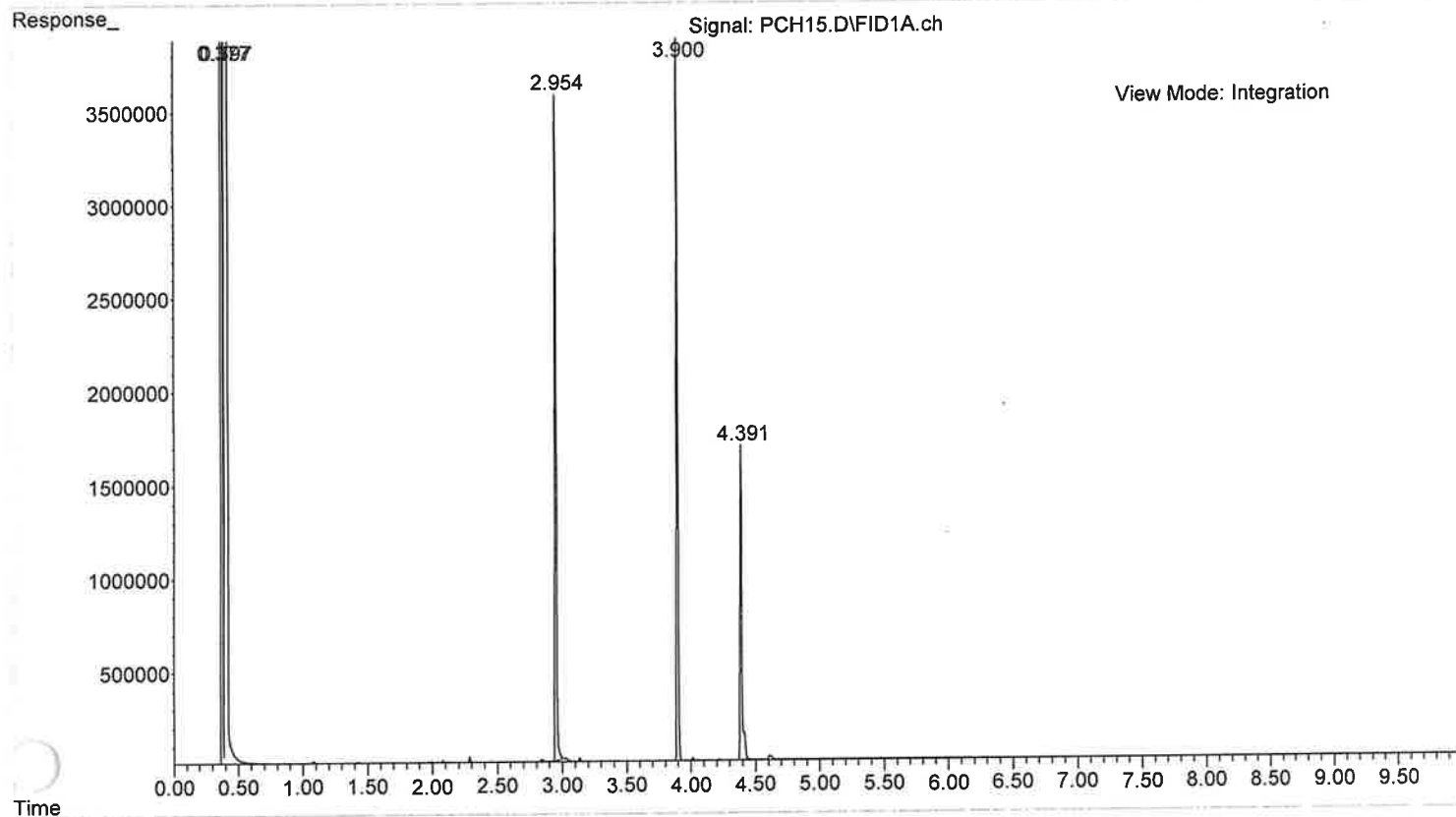
Response_

Signal: GCB11.D\FID1A.ch

View Mode: Integration



File :X:\2023\GJG\PCH15.D
Operator :
Acquired : 06 Mar 2023 12:26 using AcqMethod GC100.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD -- 100-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 1



METHOD CONTROL PARAMETERS

Method Information for: C:\MassHunter\GCMS\1\methods\GC200.M

Method Sections To Run:

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

Method Comments:

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

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	C:\MassHunter\GCMS\1\methods\GC200.M
Tune file	ATUNE.U
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
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
------	-------------

C:\MassHunter\GCMS\1\methods\GC200.M
Fri Jan 13 15:43:26 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 10.023 min
Post Run Time 0 min

Oven
Temperature
Setpoint On
(Initial) 200 °C
Hold Time 1 min
Post Run 100 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 7.88 min

Equilibration Time 0.5 min
Max Temperature 450 °C
Minimum Temperature Override Disabled
Cool Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 3
Solvent A Volume 2 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 3
Solvent B Volume 2 µL
Sample Washes 1
Sample Wash Volume 2 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
Injection Type Standard
L1 Airgap 0.2 µL
Solvent Wash Mode A, B

Back Injector	
Syringe Size	10 µL
Injection Volume	1 µL
Solvent A Washes (PreInj)	2
Solvent A Washes (PostInj)	3
Solvent A Volume	3 µL
Solvent B Washes (PreInj)	2
Solvent B Washes (PostInj)	3
Solvent B Volume	3 µL
Sample Washes	2
Sample Wash Volume	1 µL
Sample Pumps	3
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Solvent Wash Mode	A, B
Sample Overlap Mode	Sample overlap is not enabled
ALS Errors	Pause for user interaction
Front SS Inlet He	
Excluded from Readiness Mode	***Excluded from Affecting GC's Readiness State***
Heater	Split
Pressure	On 250 °C
Total Flow	On 8.5 psi
Septum Purge Flow	On 31.315 mL/min
Gas Saver	On 3 mL/min
Split Ratio	Off
Split Flow	50 :1
Liner	27.76 mL/min
	A Liner has not been selected.
Back SS Inlet He	
Excluded from Readiness Mode	***Excluded from Affecting GC's Readiness State***
Heater	Split
Pressure	On 250 °C
Total Flow	On 15 psi
Septum Purge Flow	On 195.71 mL/min
Gas Saver	On 3 mL/min
Split Ratio	Off
Split Flow	50 :1
Liner	188.93 mL/min
	A Liner has not been selected.
Thermal Aux 2 (MSD Transfer Line)	
Temperature	
Setpoint	On
(Initial)	280 °C
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Column	
Column #1	

Flow	On
Setpoint	0.5552 mL/min
(Initial)	3.5062 mL/min
Post Run	

Column Information	19091S-602
HP-1MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm (Calibrated)
In	Front SS Inlet He
Out	MSD
(Initial)	200 °C
Pressure	8.5 psi
Flow	0.5552 mL/min
Average Velocity	44.715 cm/sec
Holdup Time	0.46591 min
Control Mode	Constant Flow

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

Column Information	19091S-913
HP-1MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	15 m x 320 µm x 0.25 µm (Calibrated)
In	Back SS Inlet He
Out	Other
(Initial)	200 °C
Pressure	15 psi
Flow	3.7787 mL/min
Average Velocity	79.511 cm/sec
Holdup Time	0.31442 min
Control Mode	Constant Pressure

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

Front Detector FID	
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Makeup	He
Heater	On 300 °C
H2 Flow	On 30 mL/min
Air Flow	On 400 mL/min
Makeup Flow	On 25 mL/min
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	On

Signals	
Signal #1: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Front Sample

Signal #2: Test Plot	
Description	Test Plot
Save	Off
Data Rate	50 Hz
Dual Injection Assignment	Front Sample

Signal #3: Test Plot	
----------------------	--

Description
Save
Data Rate
Dual Injection Assignment

Test Plot
Off
50 Hz
Back Sample

Signal #4: Test Plot
Description
Save
Data Rate
Dual Injection Assignment

Test Plot
Off
50 Hz
Back Sample

TUNE PARAMETERS for SN: US61633037

Trace Ion Detection is OFF.

34.610 : EMISSION
70.347 : ENERGY
34.961 : REPELLER
83.514 : IONFOCUS
28.500 : ENTRANCE LENS
1470.588 : EMVOLTS

1470.588 : Actual EMV
0.28 : GAIN FACTOR

2128.000 : AMUGAIN
120.250 : AMUOFFSET
1.000 : FILAMENT
0.000 : DCPOLARITY
16.565 : ENTLENSOFFSET
-575.000 : MASSGAIN
-35.000 : MASSOFFSET

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

Method Path : C:\MassHunter\GCMS\1\methods\

Method File : GC200.M

Title :

st Update :

Response Via : Initial Calibration

Total Cpnds : 0

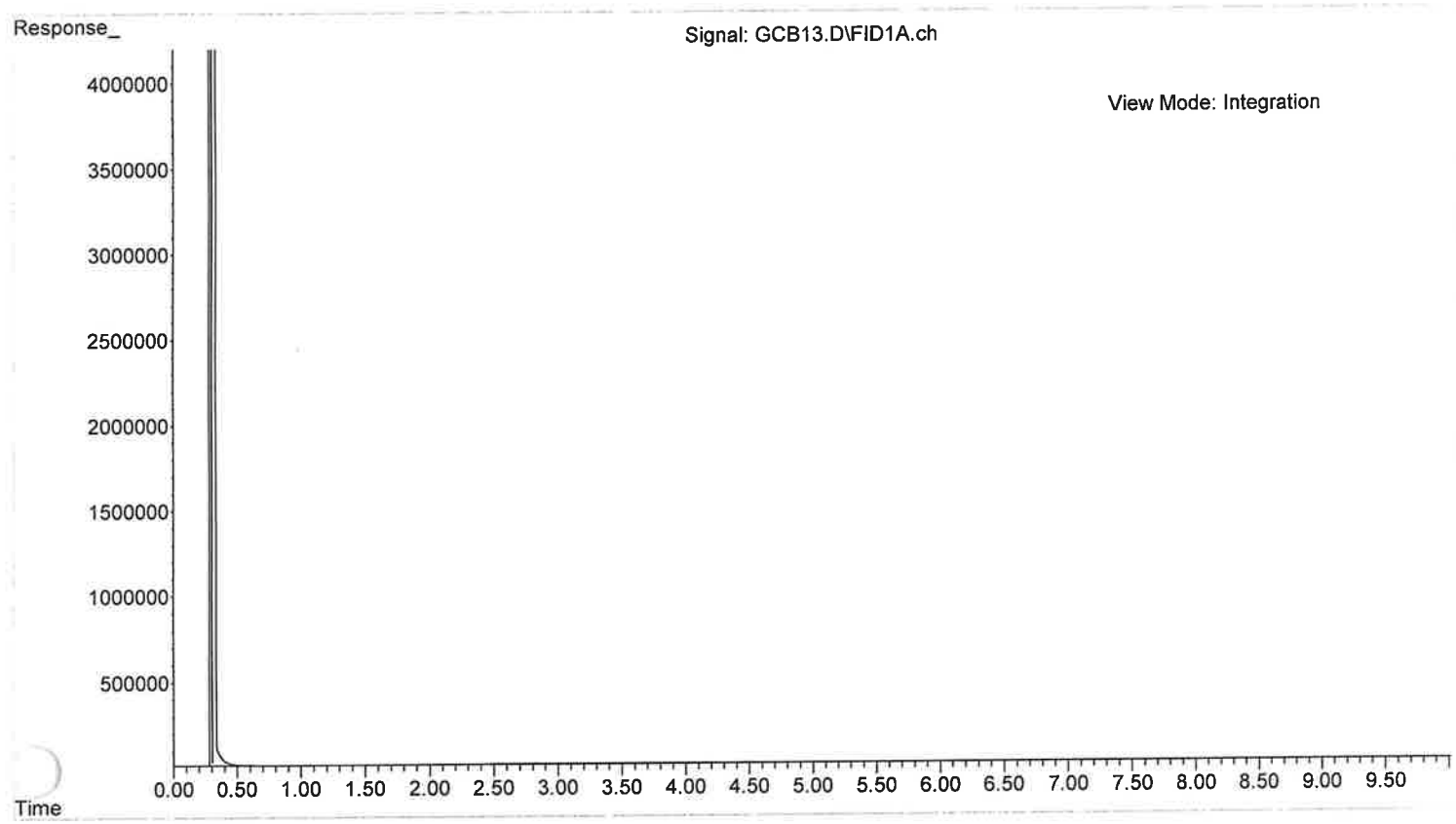
PK#	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
-----	---------------	--------	--------	-----	-----	----

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

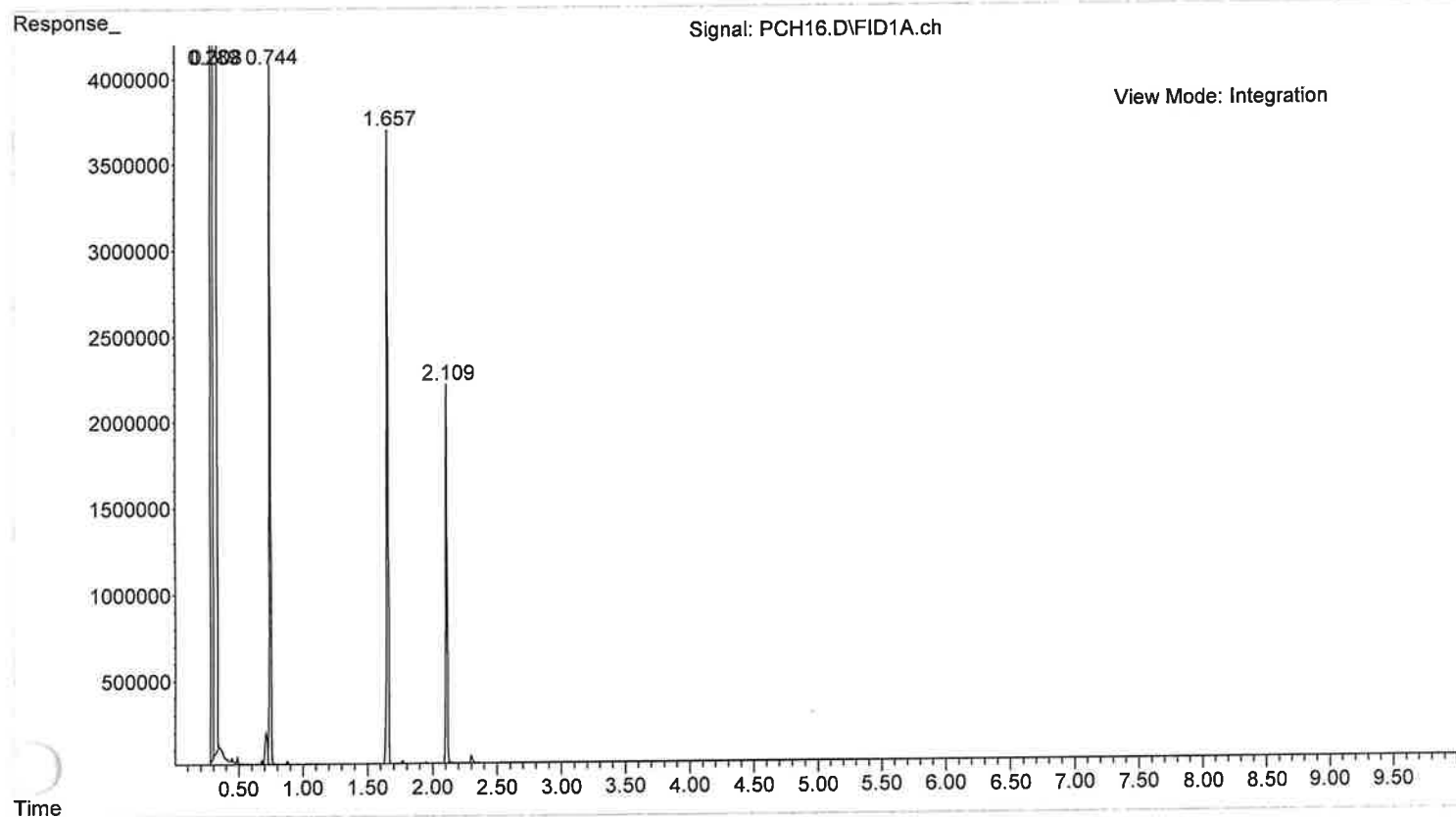
A/H = Area or Height

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

File :X:\2023\GJG\GCB13.D
Operator :
Acquired : 06 Mar 2023 15:21 using AcqMethod GC200.M
Instrument : Eggroll
Sample Name: MEOH B FOR CALIBRATION STANDARD
Misc Info : 200-280
Vial Number: 1



File :X:\2023\GJG\PCH16.D
Operator :
Acquired : 06 Mar 2023 15:40 using AcqMethod GC200.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD -- 200-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 1



METHOD CONTROL PARAMETERS

Method Information for: C:\MassHunter\GCMS\1\methods\GC150ISO.M

Method Sections To Run:

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

Method Comments:

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

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	C:\MassHunter\GCMS\1\methods\GC150ISO.M
Tune file	ATUNE.U
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
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
------	-------------

C:\MassHunter\GCMS\1\methods\GC150ISO.M

Mon Jan 09 17:10:49 2023

rol Information

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

No Sample Prep method has been assigned to this method.

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

Oven
Temperature
Setpoint On
(Initial) 150 °C
Hold Time 1 min
Post Run 100 °C
Program
#1 Rate 70 °C/min
#1 Value 150 °C
#1 Hold Time 9 min

Equilibration Time 0.5 min
Max Temperature 450 °C
Minimum Temperature Override Disabled
Solvent Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 3
Solvent A Volume 2 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 3
Solvent B Volume 2 µL
Sample Washes 1
Sample Wash Volume 2 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
Injection Type Standard
L1 Airgap 0.2 µL
Solvent Wash Mode A, B

Back Injector	10 µL
Syringe Size	1 µL
Injection Volume	2
Solvent A Washes (PreInj)	3
Solvent A Washes (PostInj)	3 µL
Solvent A Volume	2
Solvent B Washes (PreInj)	3
Solvent B Washes (PostInj)	3 µL
Solvent B Volume	2
Sample Washes	1 µL
Sample Wash Volume	3
Sample Pumps	0 min
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	300 µL/min
Solvent Wash Draw Speed	6000 µL/min
Solvent Wash Dispense Speed	300 µL/min
Sample Wash Draw Speed	6000 µL/min
Sample Wash Dispense Speed	6000 µL/min
Injection Dispense Speed	0 sec
Viscosity Delay	Disabled
Sample Depth	Standard
Injection Type	0.2 µL
L1 Airgap	A, B
Solvent Wash Mode	
Sample Overlap	Sample overlap is not enabled
Mode	
ALS Errors	Pause for user interaction
Front SS Inlet He	***Excluded from Affecting GC's Readiness State***
Excluded from Readiness	Split
Mode	On 250 °C
Heater	On 8.5 psi
Pressure	On 37.159 mL/min
Total Flow	On 3 mL/min
Septum Purge Flow	Off
Gas Saver	50 :1
Split Ratio	33.489 mL/min
Split Flow	A Liner has not been selected.
Liner	
Back SS Inlet He	***Excluded from Affecting GC's Readiness State***
Excluded from Readiness	Split
Mode	On 250 °C
Heater	On 12.5 psi
Pressure	On 185.83 mL/min
Total Flow	On 3 mL/min
Septum Purge Flow	Off
Gas Saver	50 :1
Split Ratio	179.24 mL/min
Split Flow	A Liner has not been selected.
Liner	
Thermal Aux 2 (MSD Transfer Line)	
Temperature	
Setpoint	On
(Initial)	280 °C
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Column	
Column #1	

Flow	On
Setpoint	0.66978 mL/min
(Initial)	3.5062 mL/min
Post Run	
Column Information	19091S-602
HP-1MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm (Calibrated)
In	Front SS Inlet He
Out	MSD
(Initial)	150 °C
Pressure	8.5 psi
Flow	0.66978 mL/min
Average Velocity	48.244 cm/sec
Holdup Time	0.43183 min
Control Mode	Constant Flow
Column #2	
Pressure	On
Setpoint	12.5 psi
(Initial)	10 psi
Post Run	
Column Information	19091S-913
HP-1MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	15 m x 320 µm x 0.25 µm (Calibrated)
In	Back SS Inlet He
Out	Other
(Initial)	150 °C
Pressure	12.5 psi
Flow	3.5849 mL/min
Average Velocity	72.069 cm/sec
Holdup Time	0.34689 min
Control Mode	Constant Pressure
Column Outlet Pressure	0 psi
Front Detector FID	
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Makeup	He
Heater	On 300 °C
H2 Flow	On 30 mL/min
Air Flow	On 400 mL/min
Makeup Flow	On 25 mL/min
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	On
Signals	
Signal #1: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #2: Test Plot	
Description	Test Plot
Save	Off
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #3: Test Plot	

Description	Test Plot
Save	Off
Data Rate	50 Hz
Dual Injection Assignment	Back Sample

Signal #4: Test Plot	Test Plot
Description	Off
Save	50 Hz
Data Rate	Back Sample
Dual Injection Assignment	

TUNE PARAMETERS for SN: US61633037

Trace Ion Detection is OFF.

34.610	:	EMISSION	
70.347	:	ENERGY	
34.961	:	REPELLER	
88.259	:	IONFOCUS	
25.500	:	ENTRANCE_LENS	
1435.294	:	EMVOLTS	
		1635.294	: Actual EMV
		1.02	: GAIN FACTOR
2126.000	:	AMUGAIN	
120.563	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
18.824	:	ENTLENSOFFSET	
-575.000	:	MASSGAIN	
-34.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

Method Path : C:\MassHunter\GCMS\1\methods\

Method File : GC150ISO.M

Title :

Update :

Response Via : Initial Calibration

Total Cpnds : 0

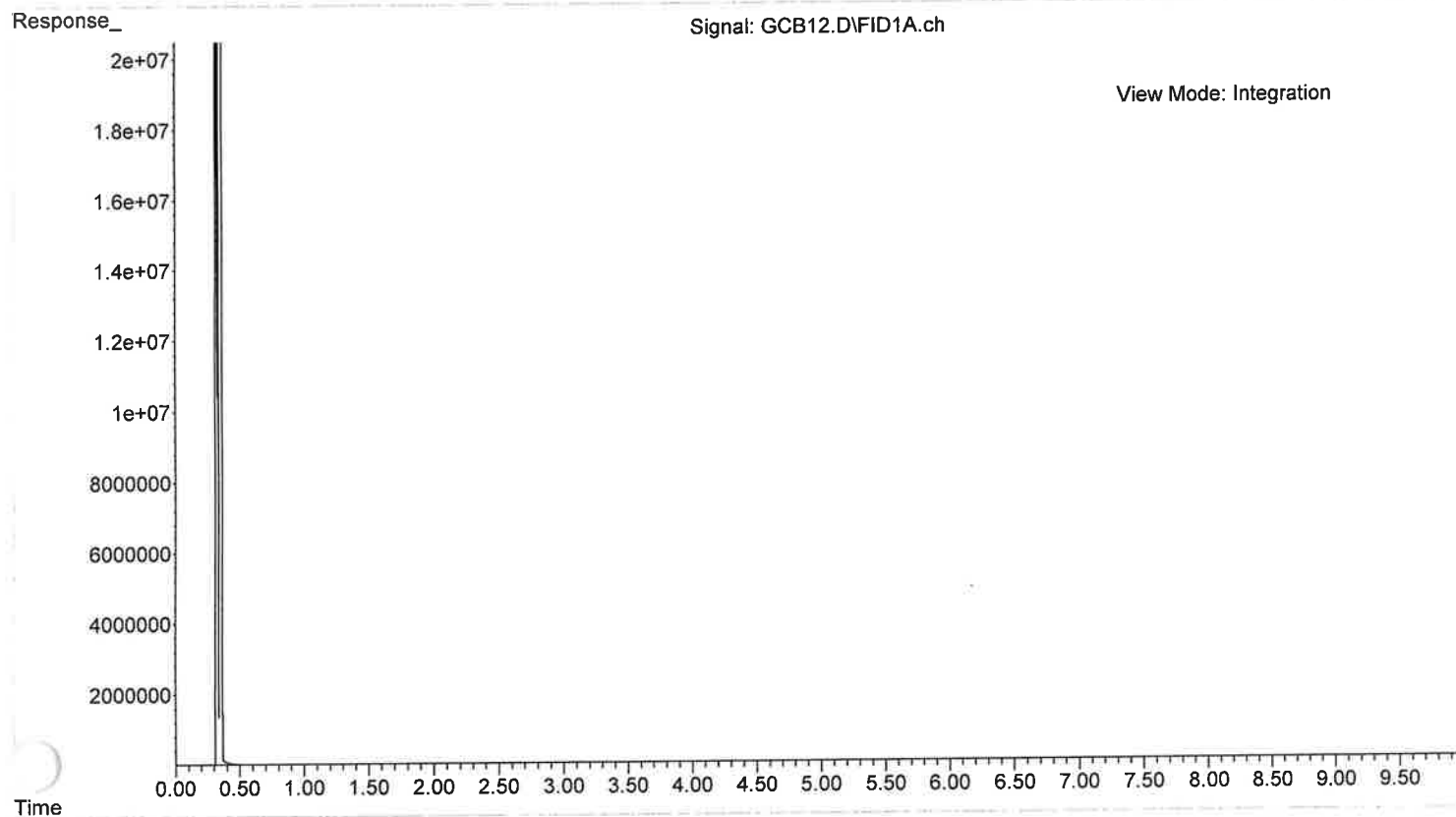
PK#	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
-----	---------------	--------	--------	-----	-----	----

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

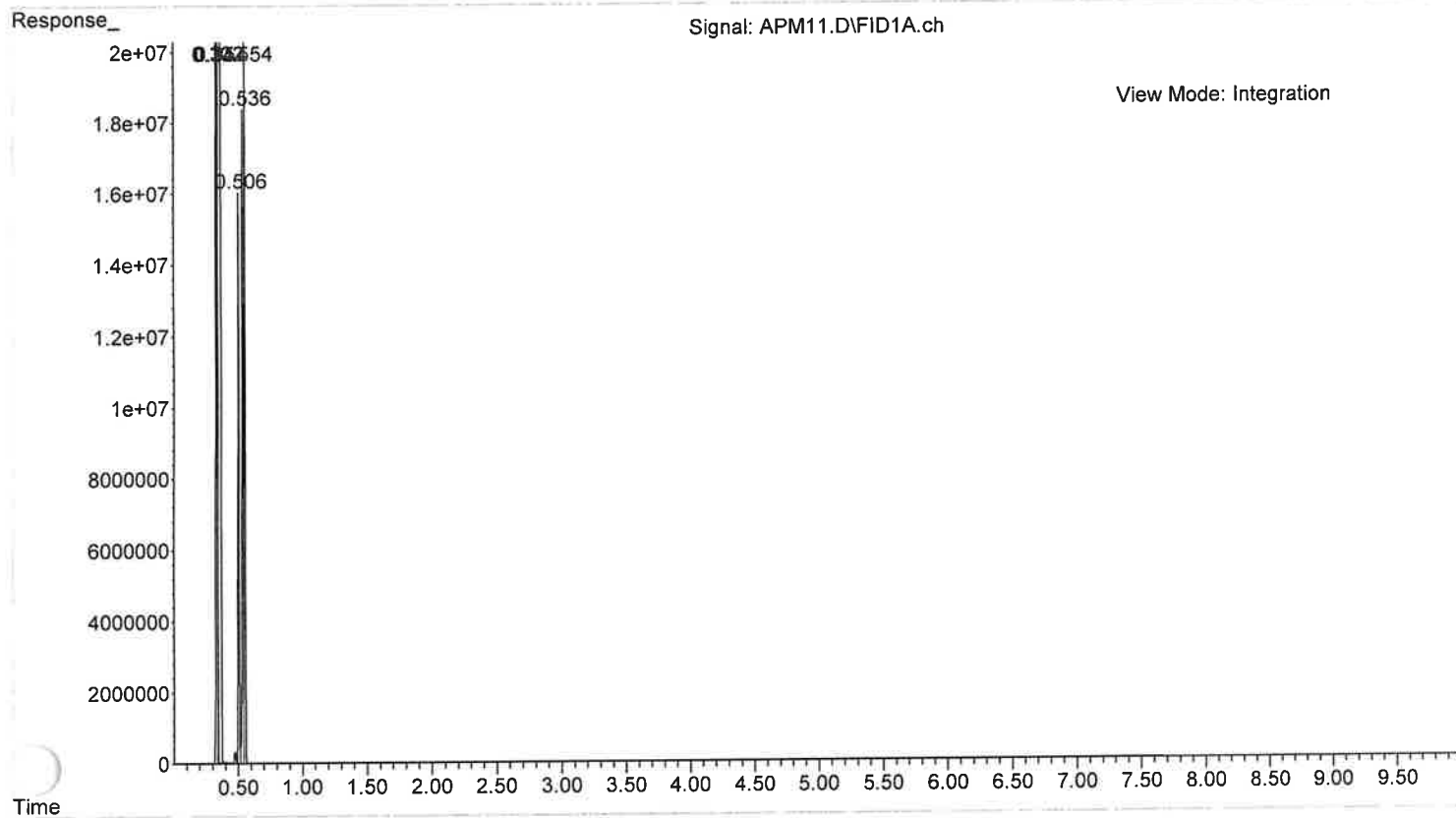
A/H = Area or Height

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

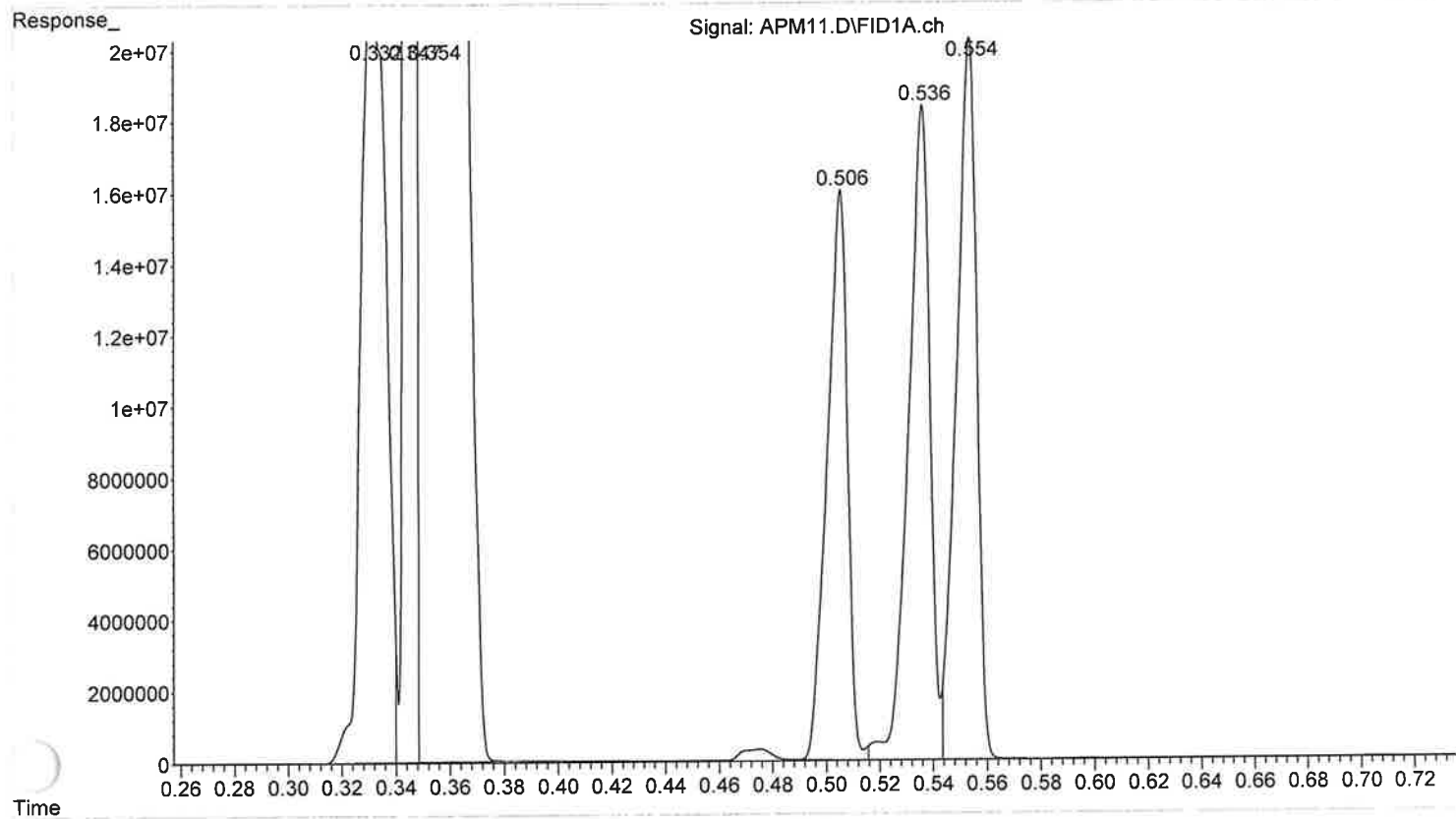
File :X:\2023\GJG\GCB12.D
Operator :
Acquired : 06 Mar 2023 12:44 using AcqMethod GC150ISO.M
Instrument : Eggroll
Sample Name: ME0H B FOR GC/IR TEST SOLUTION
Misc Info : 150 ISOTHERMAL
Vial Number: 1



File :X:\2023\GJG\APM11.D
Operator :
Acquired : 06 Mar 2023 13:08 using AcqMethod GC150ISO.M
Instrument : Eggroll
Sample Name: GC/IR TEST SOLUTION -- 150 ISOTHERMAL
Misc Info : AMPHETAMINE / PHENTERMINE / METHAMPHETAMINE
Vial Number: 1



File :X:\2023\GJG\APM11.D
Operator :
Acquired : 06 Mar 2023 13:08 using AcqMethod GC150ISO.M
Instrument : Eggroll
Sample Name: GC/IR TEST SOLUTION -- 150 ISOTHERMAL
Misc Info : AMPHETAMINE / PHENTERMINE / METHAMPHETAMINE
Vial Number: 1



METHOD CONTROL PARAMETERS

Method Information for: C:\MassHunter\GCMS\1\methods\GC280ISO.M

Method Sections To Run:

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

Method Comments:

This is a GC manual injection method 280 Isothermal / 10 minutes.

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	C:\MassHunter\GCMS\1\methods\GC280ISO.M
Tune file	ATUNE.U
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
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
------	-------------

C:\MassHunter\GCMS\1\methods\GC280ISO.M
Fri Jan 13 15:11:42 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 100 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 9 min

Equilibration Time 0.5 min
Max Temperature 450 °C
Minimum Temperature Override Disabled
Flow Fan Disabled

ALS

Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 3
Solvent A Volume 2 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 3
Solvent B Volume 2 µL
Sample Washes 1
Sample Wash Volume 2 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
Injection Type Standard
L1 Airgap 0.2 µL
Solvent Wash Mode A, B

Back Injector	
Syringe Size	10 µL
Injection Volume	1 µL
Solvent A Washes (PreInj)	2
Solvent A Washes (PostInj)	3
Solvent A Volume	3 µL
Solvent B Washes (PreInj)	2
Solvent B Washes (PostInj)	3
Solvent B Volume	3 µL
Sample Washes	2
Sample Wash Volume	1 µL
Sample Pumps	3
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Solvent Wash Mode	A, B
Sample Overlap	
Mode	Sample overlap is not enabled
ALS Errors	Pause for user interaction
Front SS Inlet He	
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Mode	Split
Heater	On 250 °C
Pressure	On 8.5 psi
Total Flow	On 24.779 mL/min
Septum Purge Flow	On 3 mL/min
Gas Saver	Off
Split Ratio	50 :1
Split Flow	21.352 mL/min
Liner	A Liner has not been selected.
Back SS Inlet He	
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Mode	Split
Heater	On 250 °C
Pressure	On 17.5 psi
Total Flow	On 185.67 mL/min
Septum Purge Flow	On 3 mL/min
Gas Saver	Off
Split Ratio	50 :1
Split Flow	179.09 mL/min
Liner	A Liner has not been selected.
Thermal Aux 2 (MSD Transfer Line)	
Temperature	
Setpoint	On
(Initial)	280 °C
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Column	
Column #1	

Flow	On
Setpoint	0.42704 mL/min
(Initial)	3.5062 mL/min
Post Run	
Column Information	19091S-602
IMS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm (Calibrated)
In	Front SS Inlet He
Out	MSD
(Initial)	280 °C
Pressure	8.5 psi
Flow	0.42704 mL/min
Average Velocity	40.209 cm/sec
Holdup Time	0.51813 min
Control Mode	Constant Flow
Column #2	
Pressure	On
Setpoint	17.5 psi
(Initial)	10 psi
Post Run	
Column Information	19091S-913
HP-1MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	15 m x 320 µm x 0.25 µm (Calibrated)
In	Back SS Inlet He
Out	Other
(Initial)	280 °C
Pressure	17.5 psi
Flow	3.5818 mL/min
Average Velocity	82.747 cm/sec
Holdup Time	0.30213 min
Control Mode	Constant Pressure
Column Outlet Pressure	0 psi
Front Detector FID	
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Makeup	He
Heater	On 300 °C
H2 Flow	On 30 mL/min
Air Flow	On 400 mL/min
Makeup Flow	On 25 mL/min
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	On
Signals	
Signal #1: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #2: Test Plot	
Description	Test Plot
Save	Off
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #3: Test Plot	

Description	Test Plot
Save	Off
Data Rate	50 Hz
Dual Injection Assignment	Back Sample

Signal #4: Test Plot	Test Plot
Description	Off
Save	50 Hz
Data Rate	Back Sample
Dual Injection Assignment	

TUNE PARAMETERS for SN: US61633037

Trace Ion Detection is OFF.

34.610	:	EMISSION	
70.347	:	ENERGY	
34.961	:	REPELLER	
83.514	:	IONFOCUS	
28.500	:	ENTRANCE_LENS	
1470.588	:	EMVOLTS	
		1470.588	: Actual EMV
		0.28	: GAIN FACTOR
2128.000	:	AMUGAIN	
120.250	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
16.565	:	ENTLENSOFFSET	
-575.000	:	MASSGAIN	
-35.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

Method Path : C:\MassHunter\GCMS\1\methods\

Method File : GC280ISO.M

Title :

Update :

Response Via : Initial Calibration

Total Cpnds : 0

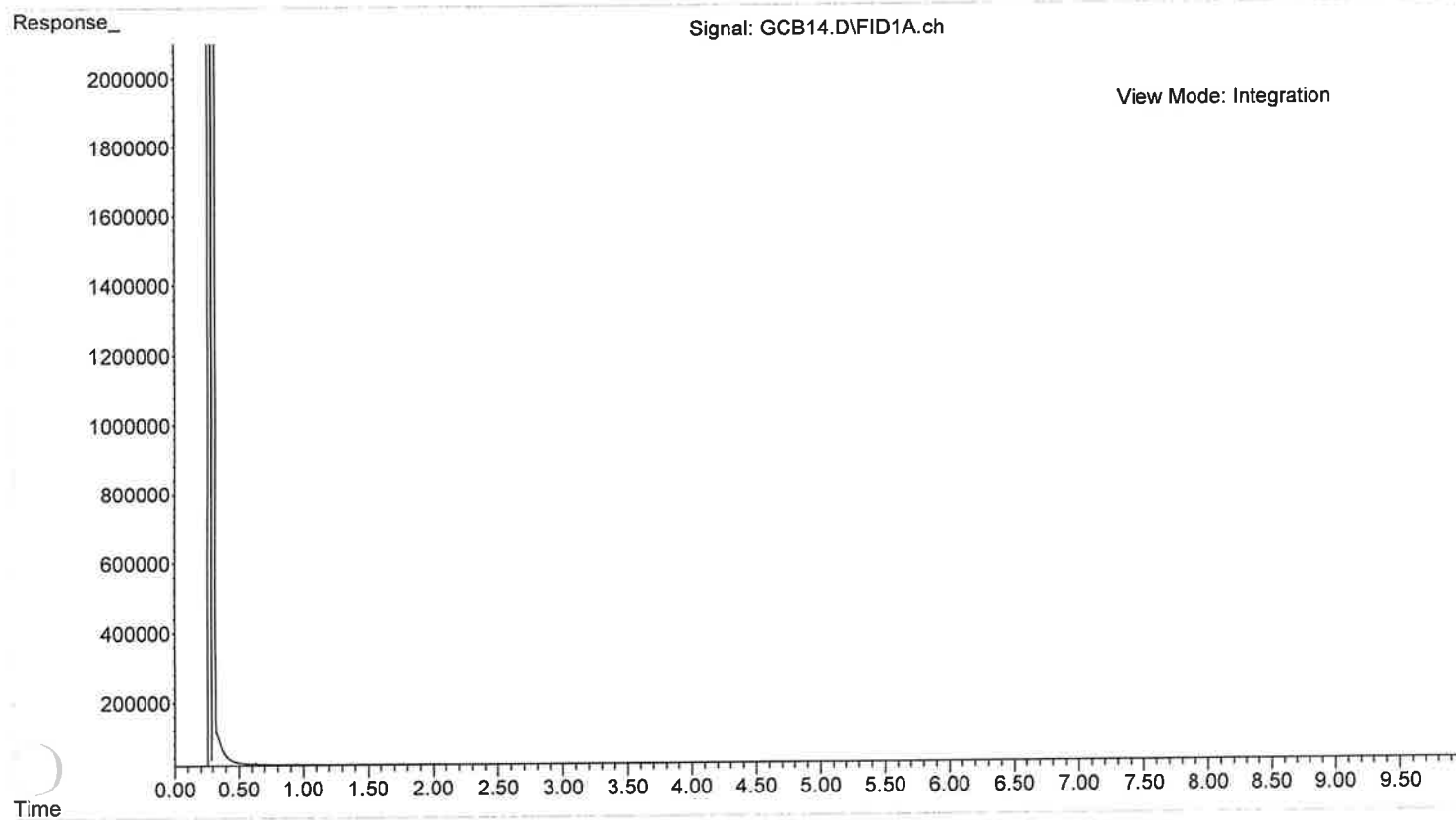
PK#	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
-----	---------------	--------	--------	-----	-----	----

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

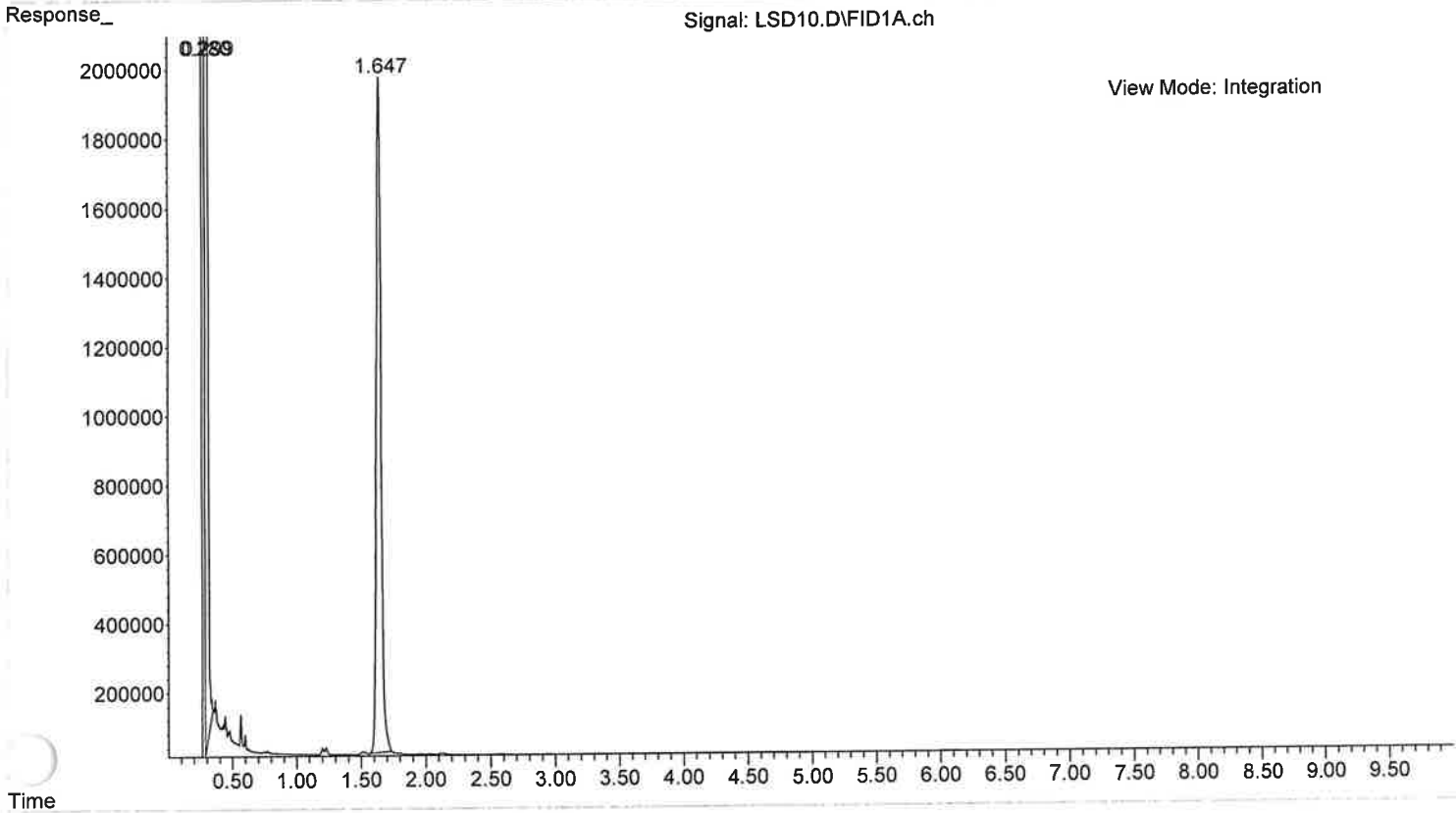
A/H = Area or Height

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

File :X:\2023\GJG\GCB14.D
Operator :
Acquired : 06 Mar 2023 15:54 using AcqMethod GC280ISO.M
Instrument : Eggroll
Sample Name: MEOH B FOR LSD STANDARD
Misc Info : 280 ISOTHERMAL
Via Number: 1



File :X:\2023\GJG\LSD10.D
Operator :
Acquired : 06 Mar 2023 16:11 using AcqMethod GC280ISO.M
Instrument : Eggroll
Sample Name: LSD STANDARD -- 280 ISOTHERMAL
Misc Info : Cerilliant Lot# FE10161901 Exp; October 2024
Via mber: 1



METHOD CONTROL PARAMETERS

Method Information for: C:\MassHunter\GCMS\1\methods\GC280ISOTI.M

Method Sections To Run:

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

Method Comments:

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

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	C:\MassHunter\GCMS\1\methods\GC280ISOTI.M
Tune file	ATUNE.U
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
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
------	-------------

C:\MassHunter\GCMS\1\methods\GC280ISOTI.M
Fri Jan 13 15:03:26 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 100 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 29 min

Equilibration Time 0.5 min
Max Temperature 450 °C
Minimum Temperature Override Disabled
Cool Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 3
Solvent A Volume 2 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 3
Solvent B Volume 2 µL
Sample Washes 1
Sample Wash Volume 2 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
Injection Type Standard
L1 Airgap 0.2 µL
Solvent Wash Mode A, B

Back Injector	
Syringe Size	10 µL
Injection Volume	1 µL
Solvent A Washes (PreInj)	2
Solvent A Washes (PostInj)	3
Solvent A Volume	3 µL
Solvent B Washes (PreInj)	2
Solvent B Washes (PostInj)	3
Solvent B Volume	3 µL
Sample Washes	2
Sample Wash Volume	1 µL
Sample Pumps	3
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Solvent Wash Mode	A, B
Sample Overlap Mode	Sample overlap is not enabled
ALS Errors	Pause for user interaction
Front SS Inlet He	
Excluded from Readiness Mode	***Excluded from Affecting GC's Readiness State***
Heater	Split
Pressure	On 250 °C
Total Flow	On 8.5 psi
Septum Purge Flow	On 24.779 mL/min
Gas Saver	On 3 mL/min
Split Ratio	Off
Split Flow	50 :1
Liner	21.352 mL/min
	A Liner has not been selected.
Back SS Inlet He	
Excluded from Readiness Mode	***Excluded from Affecting GC's Readiness State***
Heater	Split
Pressure	On 250 °C
Total Flow	On 17.5 psi
Septum Purge Flow	On 185.67 mL/min
Gas Saver	On 3 mL/min
Split Ratio	Off
Split Flow	50 :1
Liner	179.09 mL/min
	A Liner has not been selected.
Thermal Aux 2 (MSD Transfer Line)	
Temperature	
Setpoint	On
(Initial)	280 °C
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Column	
Column #1	

Flow	On
Setpoint	0.42704 mL/min
(Initial)	3.5062 mL/min
Post Run	
Column Information	19091S-602
HP-1MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm (Calibrated)
In	Front SS Inlet He
Out	MSD
(Initial)	280 °C
Pressure	8.5 psi
Flow	0.42704 mL/min
Average Velocity	40.209 cm/sec
Holdup Time	0.51813 min
Control Mode	Constant Flow
Column #2	
Pressure	On
Setpoint	17.5 psi
(Initial)	10 psi
Post Run	
Column Information	19091S-913
HP-1MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	15 m x 320 µm x 0.25 µm (Calibrated)
In	Back SS Inlet He
Out	Other
(Initial)	280 °C
Pressure	17.5 psi
Flow	3.5818 mL/min
Average Velocity	82.747 cm/sec
Holdup Time	0.30213 min
Control Mode	Constant Pressure
Column Outlet Pressure	0 psi
Front Detector FID	
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Makeup	He
Heater	On 300 °C
H2 Flow	On 30 mL/min
Air Flow	On 400 mL/min
Makeup Flow	On 25 mL/min
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	On
Signals	
Signal #1: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	Off
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #2: Test Plot	
Description	Test Plot
Save	Off
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #3: Test Plot	

Description
Save
Data Rate
Dual Injection Assignment

Test Plot
Off
50 Hz
Back Sample

Signal #4: Test Plot
Description
Save
Data Rate
Dual Injection Assignment

Test Plot
Off
50 Hz
Back Sample

TUNE PARAMETERS for SN: US61633037

Trace Ion Detection is OFF.

34.610 : EMISSION
70.347 : ENERGY
34.961 : REPELLER
83.514 : IONFOCUS
28.500 : ENTRANCE_LENS
1470.588 : EMVOLTS

1470.588 : Actual EMV
0.28 : GAIN FACTOR

2128.000 : AMUGAIN
120.250 : AMUOFFSET
1.000 : FILAMENT
0.000 : DCPOLARITY
16.565 : ENTLNISOFFSET
-575.000 : MASSGAIN
-35.000 : MASSOFFSET

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

Method Path : C:\MassHunter\GCMS\1\methods\

Method File : GC280ISOTI.M

Title :

Auto Update :

Response Via : Initial Calibration

Total Cpnds : 0

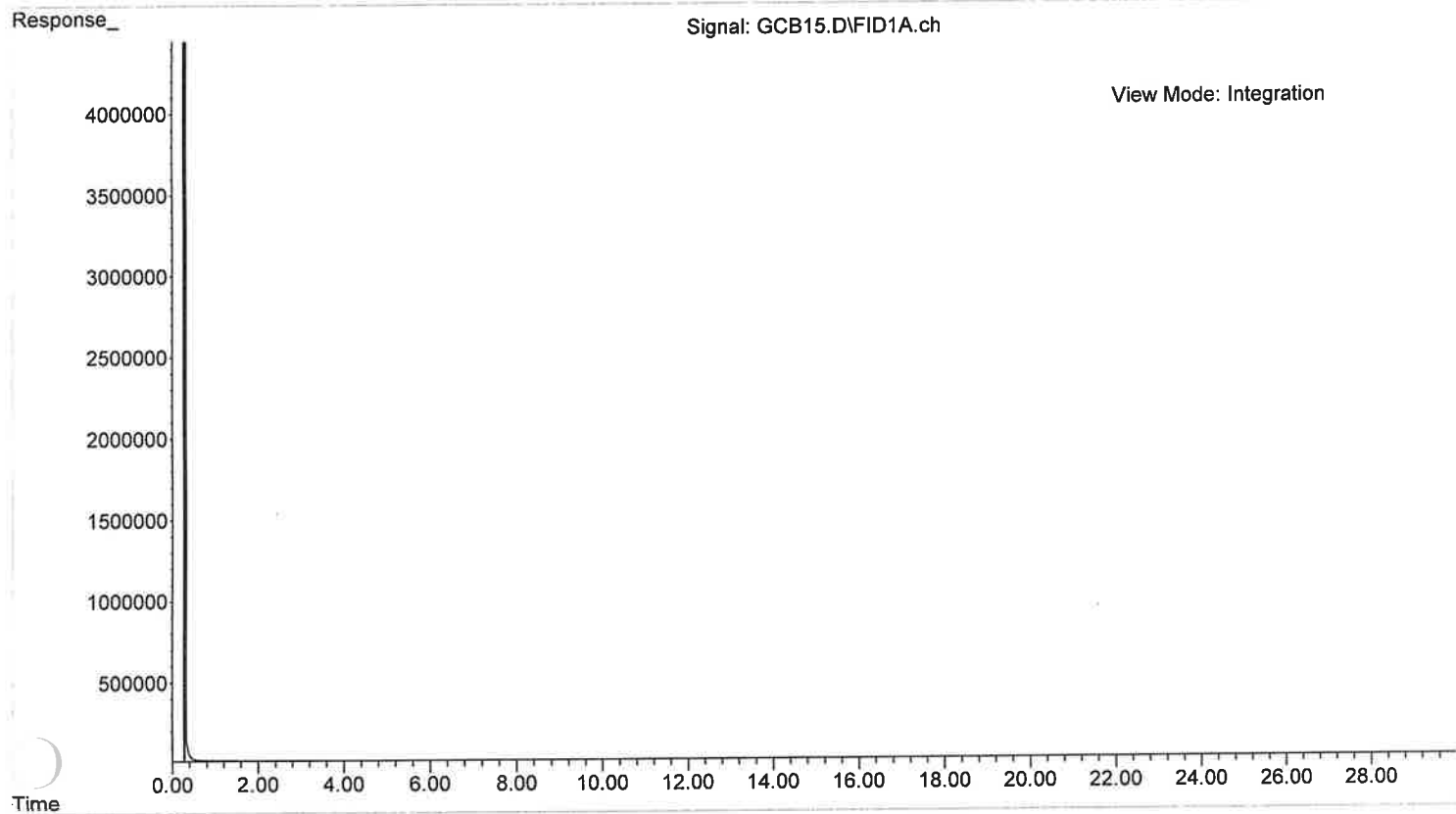
PK#	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
-----	---------------	--------	--------	-----	-----	----

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

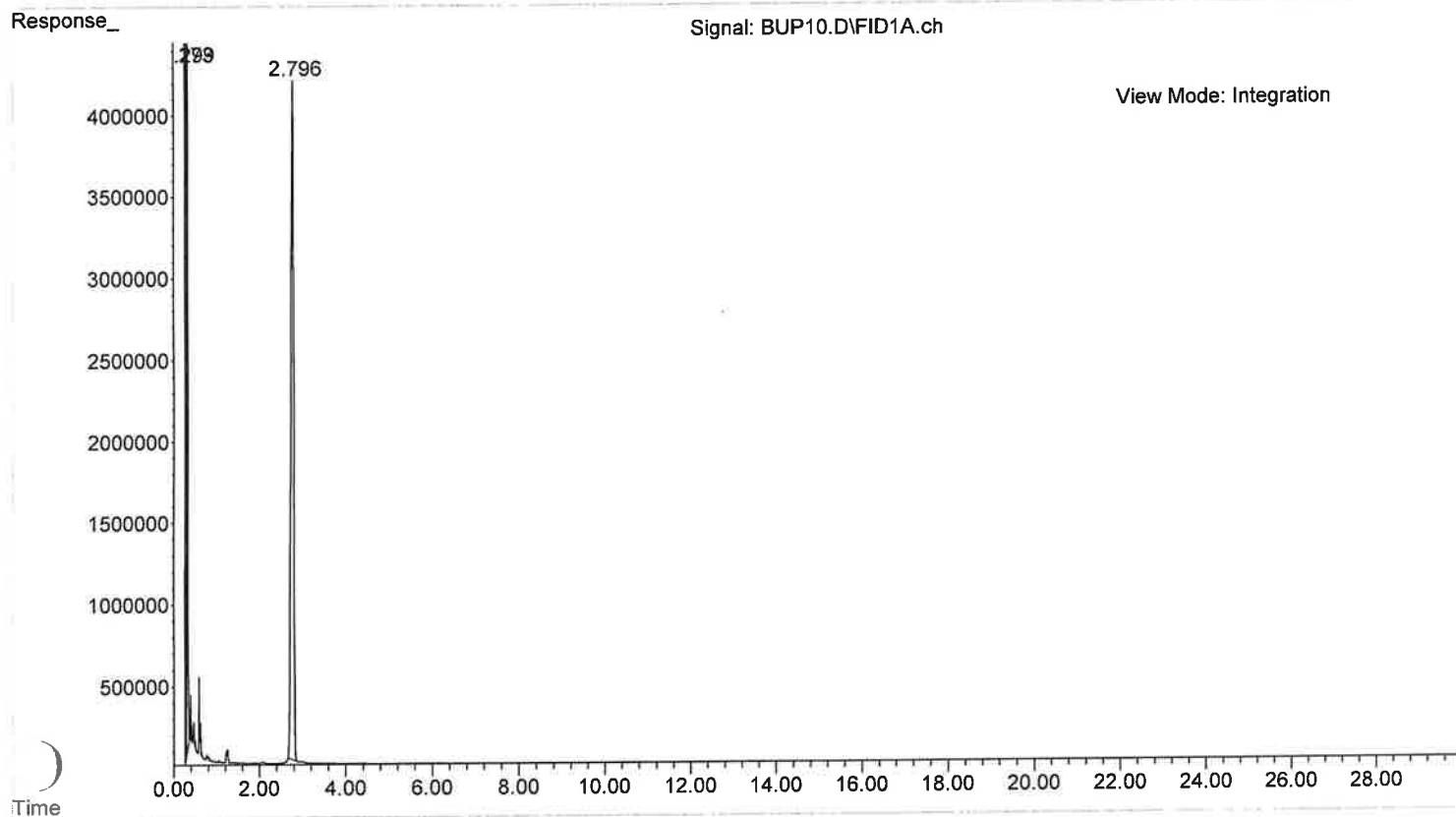
A/H = Area or Height

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

File :X:\2023\GJG\GCB15.D
Operator :
Acquired : 06 Mar 2023 17:40 using AcqMethod GC280ISOTI.M
Instrument : Eggroll
Sample Name: MEOH B FOR BUPRENORPHINE STANDARD
Misc Info : 280 ISOTHERMAL
Via Number: 1



File :X:\2023\GJG\BUP10.D
Operator :
Acquired : 06 Mar 2023 18:18 using AcqMethod GC280ISOTI.M
Instrument : Eggroll
Sample Name: BUPRENORPHINE STANDARD -- 280 ISOTHERMAL
Misc Info : Cerilliant Lot# FE03191903 Exp: June 2024
Via Number: 1



METHOD CONTROL PARAMETERS

Method Information for: C:\MassHunter\GCMS\1\methods\ASGC100.M

Method Sections To Run:

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

Method Comments:

This is a GC auto sample method 100-280 / 10 minutes.

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	C:\MassHunter\GCMS\1\methods\ASGC100.M
Tune file	ATUNE.U
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
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
------	-------------

C:\MassHunter\GCMS\1\methods\ASGC100.M

Mon Jan 09 16:43:59 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 100 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 6.43 min

Equilibration Time 0.5 min
M Temperature 450 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 3
Solvent A Volume 2 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 3
Solvent B Volume 2 µL
Sample Washes 1
Sample Wash Volume 2 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
Injection Type Standard
L1 Airgap 0.2 µL

Solvent Wash Mode

A, B

Back Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 3
Solvent A Volume 3 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 3
Solvent B Volume 3 µL
Sample Washes 2
Sample Wash Volume 1 µL
Sample Pumps 3
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 300 µL/min
Solvent Wash Dispense Speed 6000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 6000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.2 µL
Solvent Wash Mode A, B

Sample Overlap
Mode

Sample overlap is not enabled

ALS Errors

Pause for user interaction

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

Excluded from Affecting GC's Readiness State
Split
On 250 °C
On 8.5 psi
On 45.194 mL/min
On 3 mL/min
Off
50 :1
41.367 mL/min
A Liner has not been selected.

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

Excluded from Affecting GC's Readiness State
Split
On 250 °C
On 10 psi
On 172.89 mL/min
On 3 mL/min
Off
50 :1
166.56 mL/min
A Liner has not been selected.

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

On
280 °C

Excluded from Readiness

Excluded from Affecting GC's Readiness State

Column

Column #1	
Flow	On
Setpoint	0.82733 mL/min
(Initial)	3.5062 mL/min
Post Run	
Column Information	19091S-602
HP-1MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm (Calibrated)
In	Front SS Inlet He
Out	MSD
(Initial)	100 °C
Pressure	8.5 psi
Flow	0.82733 mL/min
Average Velocity	52.55 cm/sec
Holdup Time	0.39644 min
Control Mode	Constant Flow
Column #2	
Pressure	
Setpoint	On
(Initial)	10 psi
Post Run	10 psi
Column Information	19091S-913
HP-1MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	15 m x 320 µm x 0.25 µm (Calibrated)
In	Back SS Inlet He
Out	Other
(Initial)	100 °C
Pressure	10 psi
Flow	3.3311 mL/min
Average Velocity	63.306 cm/sec
Holdup Time	0.39491 min
Control Mode	Constant Pressure
Column Outlet Pressure	0 psi
Front Detector FID	
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Makeup	He
Heater	On 300 °C
H2 Flow	On 30 mL/min
Air Flow	On 400 mL/min
Makeup Flow	On 25 mL/min
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	On
Signals	
Signal #1: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #2: Test Plot	
Description	Test Plot
Save	Off
Data Rate	50 Hz
Dual Injection Assignment	Front Sample

Signal #3: Test Plot
Description
Save
Data Rate
Dual Injection Assignment

Test Plot
Off
50 Hz
Back Sample

Signal #4: Test Plot
Description
Save
Data Rate
Dual Injection Assignment

Test Plot
Off
50 Hz
Back Sample

TUNE PARAMETERS for SN: US61633037

Trace Ion Detection is OFF.

34.610 : EMISSION
70.347 : ENERGY
34.961 : REPELLER
88.259 : IONFOCUS
25.500 : ENTRANCE_LENS
1435.294 : EMVOLTS

1635.294 : Actual EMV
1.02 : GAIN FACTOR

2126.000 : AMUGAIN
120.563 : AMUOFFSET
1.000 : FILAMENT
0.000 : DCPOLARITY
18.824 : ENTLENSOFFSET
-575.000 : MASSGAIN
34.000 : MASSOFFSET

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

Method Path : C:\MassHunter\GCMS\1\methods\

Method File : ASGC100.M

Title :

Update :

Response Via : Initial Calibration

Total Cpnds : 0

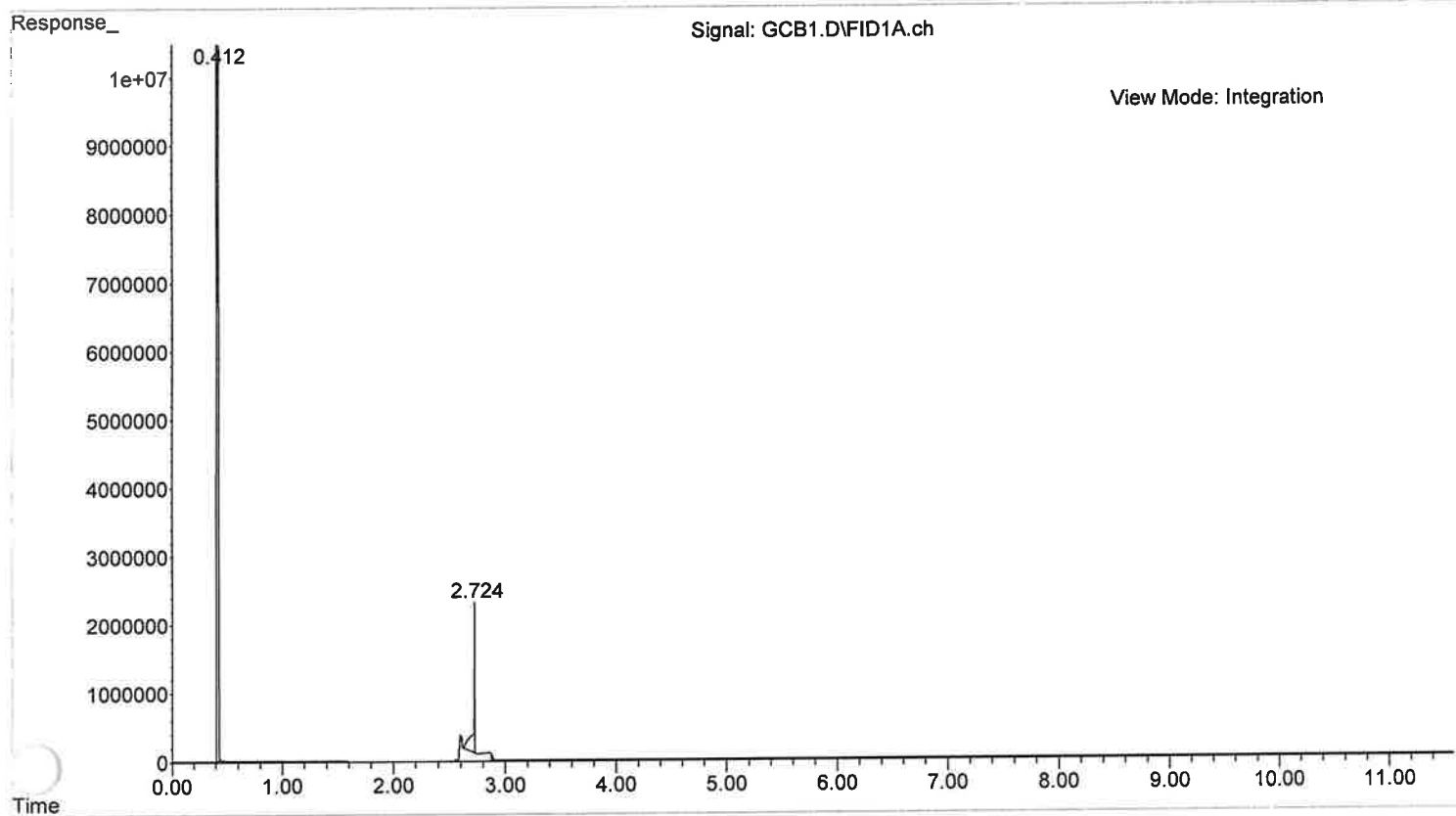
PK#	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
-----	---------------	--------	--------	-----	-----	----

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

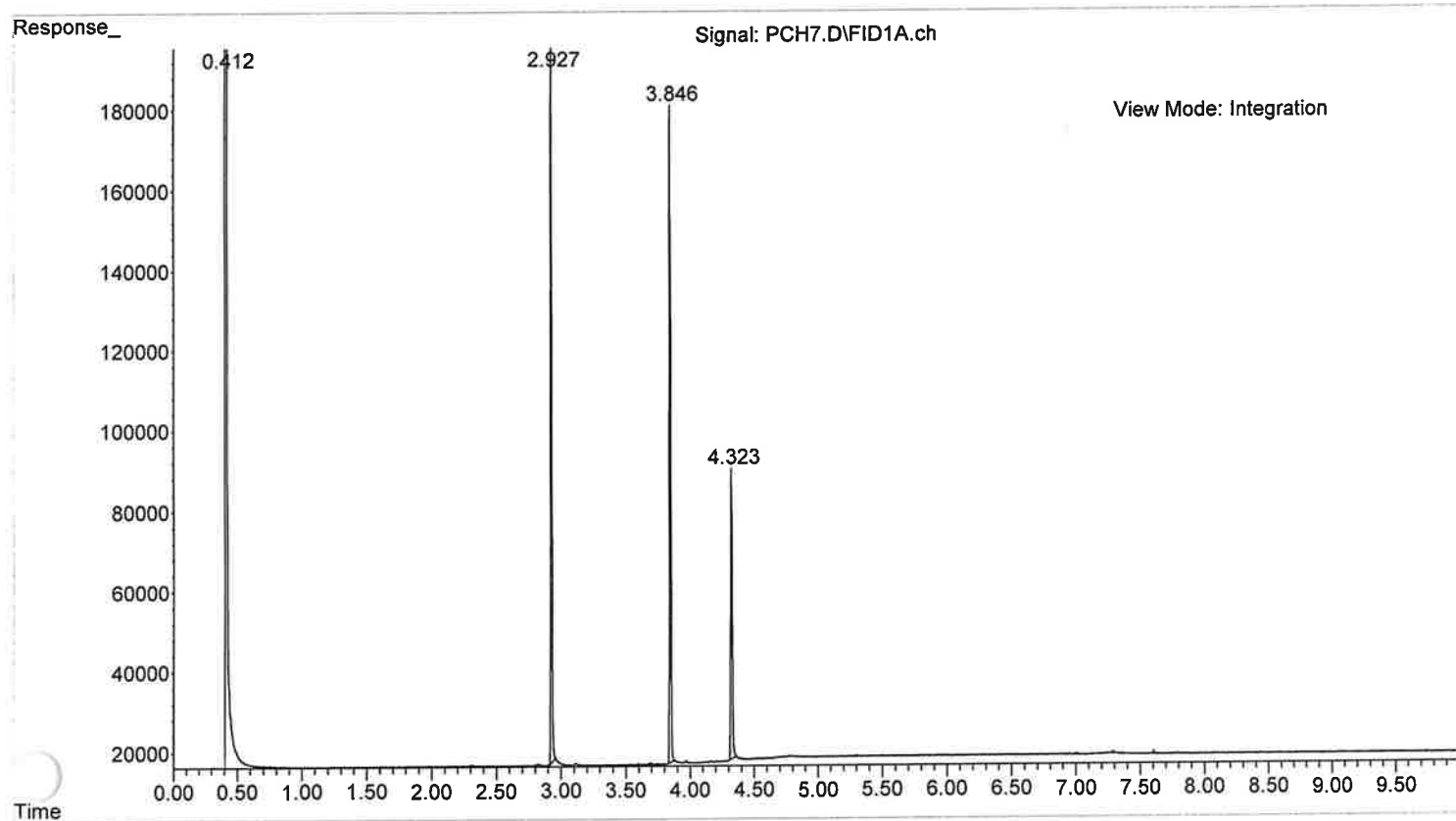
A/H = Area or Height

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

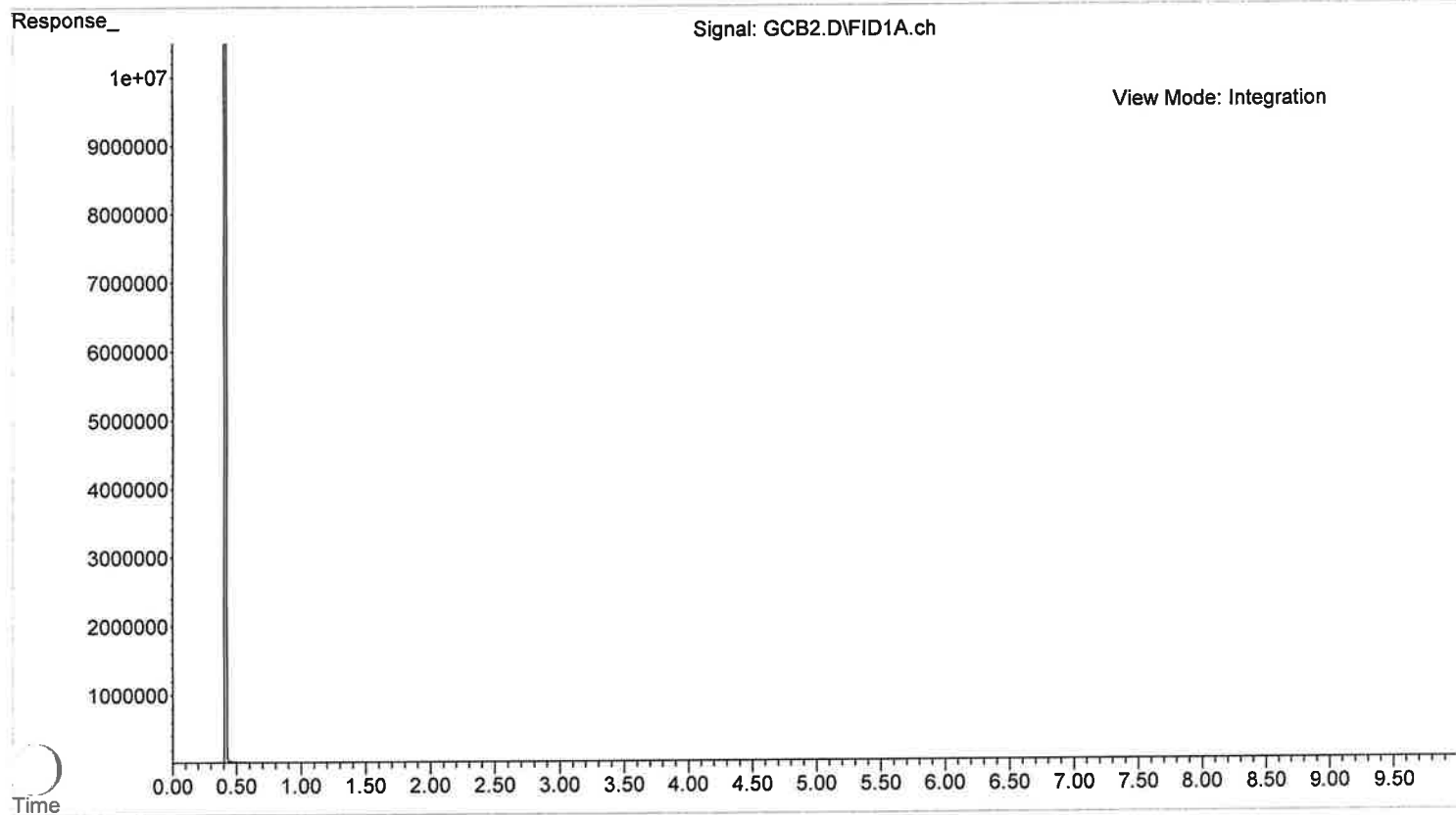
File :X:\2023\GJG\1-30-23\GCB1.D
Operator :
Acquired : 30 Jan 2023 18:03 using AcqMethod ASGC100.M
Instrument : Eggroll
Sample Name: MEOH B FOR CALIBRATION STANDARD MIX
Misc Info : 100-280
Via Number: 2



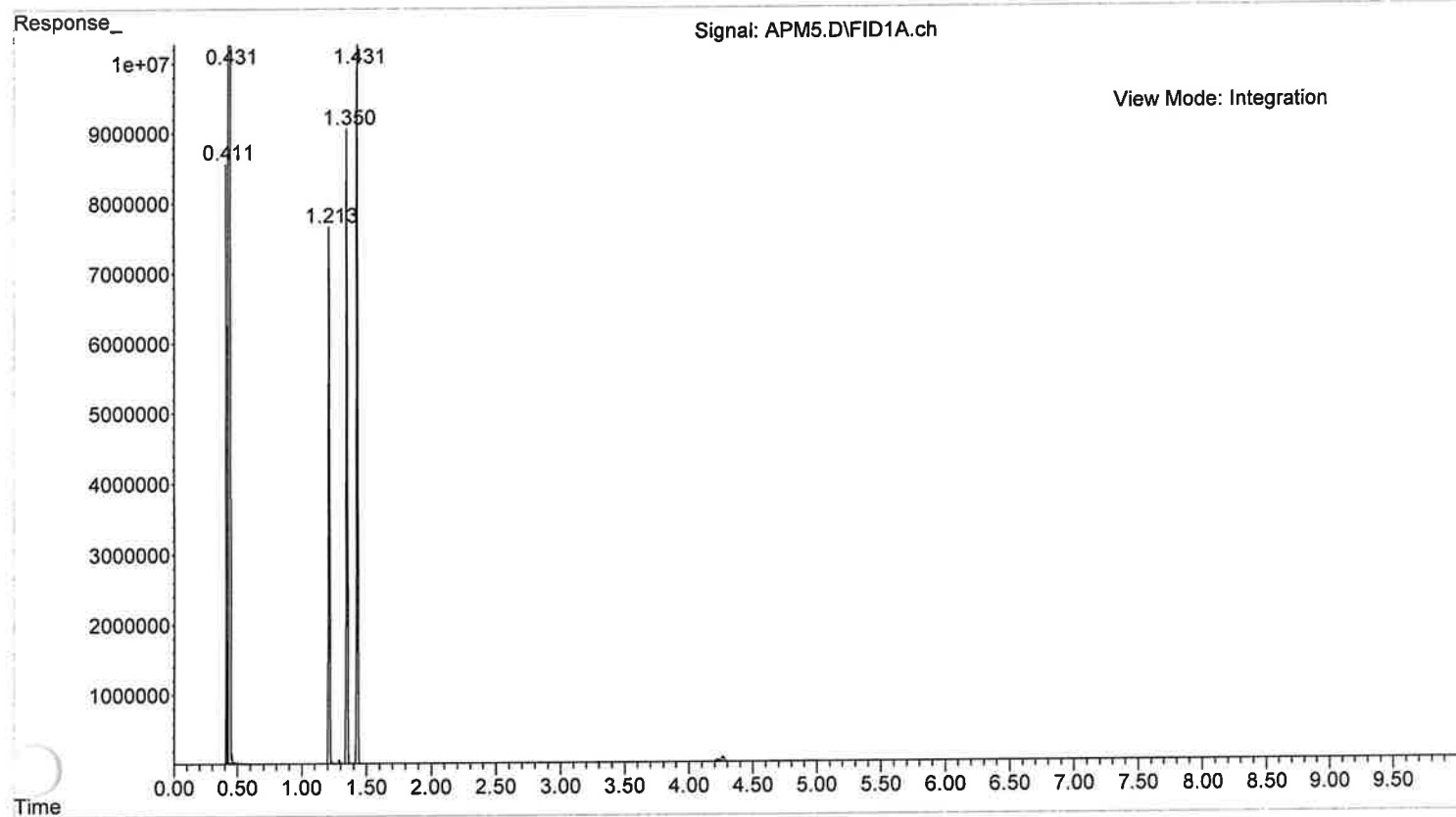
File :X:\2023\GJG\1-30-23\PCH7.D
Operator :
Acquired : 30 Jan 2023 18:16 using AcqMethod ASGC100.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD MIX -- 100-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
View Number: 3



File :X:\2023\GJG\1-30-23\GCB2.D
Operator :
Acquired : 30 Jan 2023 19:02 using AcqMethod ASGC100.M
Instrument : Eggroll
Sample Name: MEOH B FOR GC/IR TEST SOLUTION
Misc Info : 100-280
Vial Number: 2



File :X:\2023\GJG\1-30-23\APM5.D
Operator :
Acquired : 30 Jan 2023 19:15 using AcqMethod ASGC100.M
Instrument : Eggroll
Sample Name: GC/IR TEST SOLUTION -- 100-280
Misc Info :
Vial Number: 4



METHOD CONTROL PARAMETERS

Method Information for: C:\MassHunter\GCMS\1\methods\ASGC200.M

Method Sections To Run:

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

Method Comments:

This is a GC auto sample method 200-280 / 10 minutes.

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	C:\MassHunter\GCMS\1\methods\ASGC200.M
Tune file	ATUNE.U
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
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
------	-------------

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

Mon Jan 09 17:26:53 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 100 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 7.86 min

Equilibration Time 0.5 min
Temperature 450 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 3
Solvent A Volume 2 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 3
Solvent B Volume 2 µL
Sample Washes 1
Sample Wash Volume 2 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
Injection Type Standard
L1 Airgap 0.2 µL

Solvent Wash Mode	A, B
Back Injector	
Syringe Size	10 µL
Injection Volume	1 µL
Solvent A Washes (PreInj)	2
Solvent A Washes (PostInj)	3
Solvent A Volume	3 µL
Solvent B Washes (PreInj)	2
Solvent B Washes (PostInj)	3
Solvent B Volume	3 µL
Sample Washes	2
Sample Wash Volume	1 µL
Sample Pumps	3
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Solvent Wash Mode	A, B
Sample Overlap Mode	Sample overlap is not enabled
ALS Errors	Pause for user interaction
Front SS Inlet He Mode	Split
Heater	On 250 °C
Pressure	On 8.5 psi
Total Flow	On 31.315 mL/min
Septum Purge Flow	On 3 mL/min
Gas Saver	Off
Split Ratio	50 :1
Split Flow	27.76 mL/min
Liner	A Liner has not been selected.
Back SS Inlet He Mode	Split
Heater	On 250 °C
Pressure	On 15 psi
Total Flow	On 195.71 mL/min
Septum Purge Flow	On 3 mL/min
Gas Saver	Off
Split Ratio	50 :1
Split Flow	188.93 mL/min
Liner	A Liner has not been selected.
Thermal Aux 2 (MSD Transfer Line)	
Temperature	
Setpoint (Initial)	On 280 °C
Column	
Column #1	
Flow	
Setpoint	On

(Initial)	0.5552 mL/min
Post Run	3.5062 mL/min
Column Information	19091S-602
HP-1MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm (Calibrated)
In	Front SS Inlet He
Out	MSD
(Initial)	200 °C
Pressure	8.5 psi
Flow	0.5552 mL/min
Average Velocity	44.715 cm/sec
Holdup Time	0.46591 min
Control Mode	Constant Flow
Column #2	
Pressure	
Setpoint	On
(Initial)	15 psi
Post Run	10 psi
Column Information	19091S-913
HP-1MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	15 m x 320 µm x 0.25 µm (Calibrated)
In	Back SS Inlet He
Out	Other
(Initial)	200 °C
Pressure	15 psi
Flow	3.7787 mL/min
Average Velocity	79.511 cm/sec
Holdup Time	0.31442 min
Control Mode	Constant Pressure
Column Outlet Pressure	0 psi
Front Detector FID	
Makeup	He
Heater	On 300 °C
H2 Flow	On 30 mL/min
Air Flow	On 400 mL/min
Makeup Flow	On 25 mL/min
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	On
Signals	
Signal #1: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #2: Test Plot	
Description	Test Plot
Save	Off
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #3: Test Plot	
Description	Test Plot
Save	Off
Data Rate	50 Hz

Dual Injection Assignment

Back Sample

Signal #4: Test Plot

Description

Test Plot

Save

Off

Data Rate

50 Hz

Injection Assignment

Back Sample

TUNE PARAMETERS for SN: US61633037

Trace Ion Detection is OFF.

34.610	:	EMISSION	
70.347	:	ENERGY	
34.961	:	REPELLER	
88.259	:	IONFOCUS	
25.500	:	ENTRANCE LENS	
1435.294	:	EMVOLTS	
		1635.294	: Actual EMV
		1.02	: GAIN FACTOR
2126.000	:	AMUGAIN	
120.563	:	AMUOFFSET	
1.000	:	FILAMENT	
0.000	:	DCPOLARITY	
18.824	:	ENTLENSOFFSET	
-575.000	:	MASSGAIN	
-34.000	:	MASSOFFSET	

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

Method Path : C:\MassHunter\GCMS\1\methods\

Method File : ASGC200.M

Title :

Update :

Response Via : Initial Calibration

Total Cpnds : 0

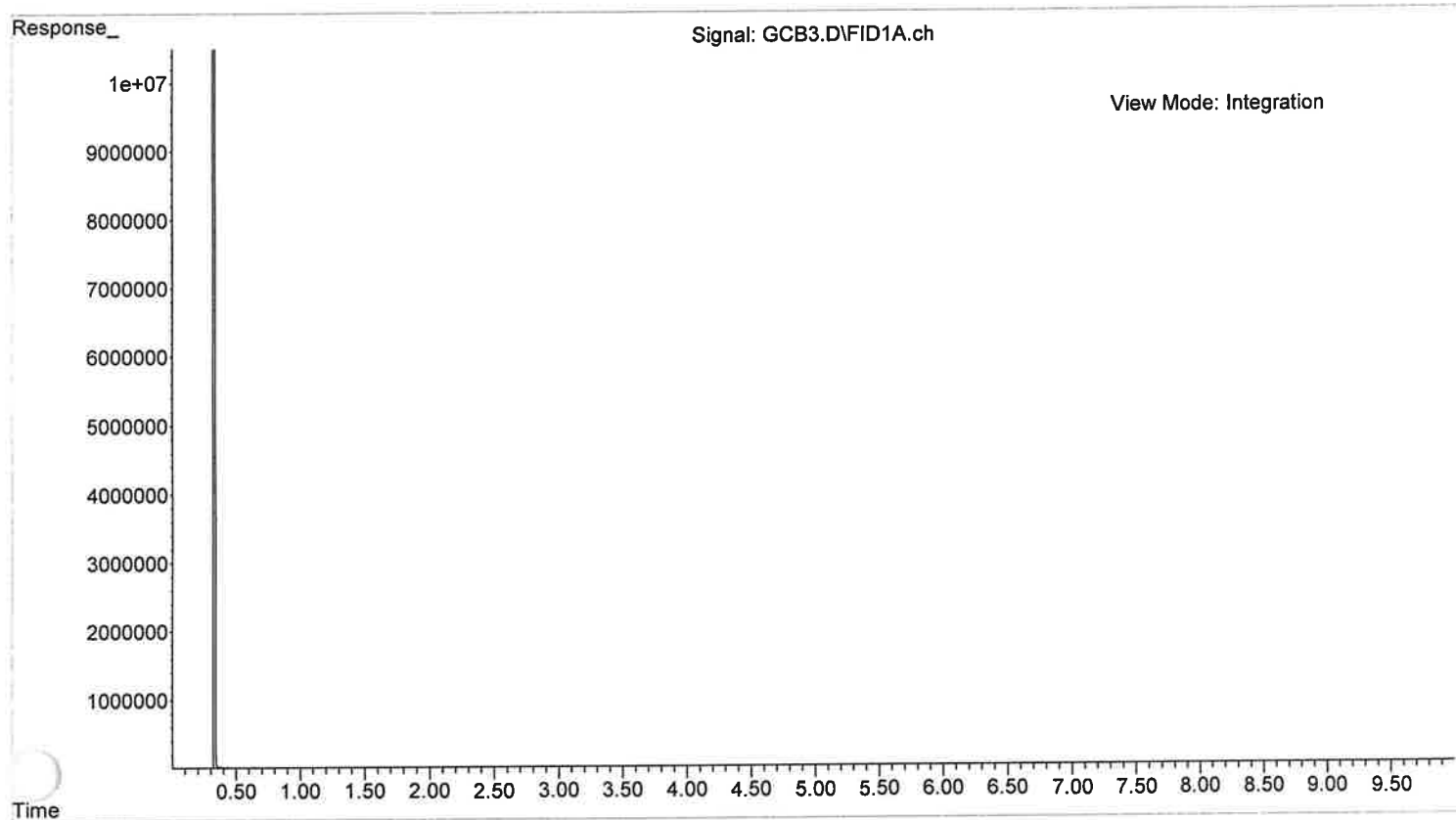
PK#	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
-----	---------------	--------	--------	-----	-----	----

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

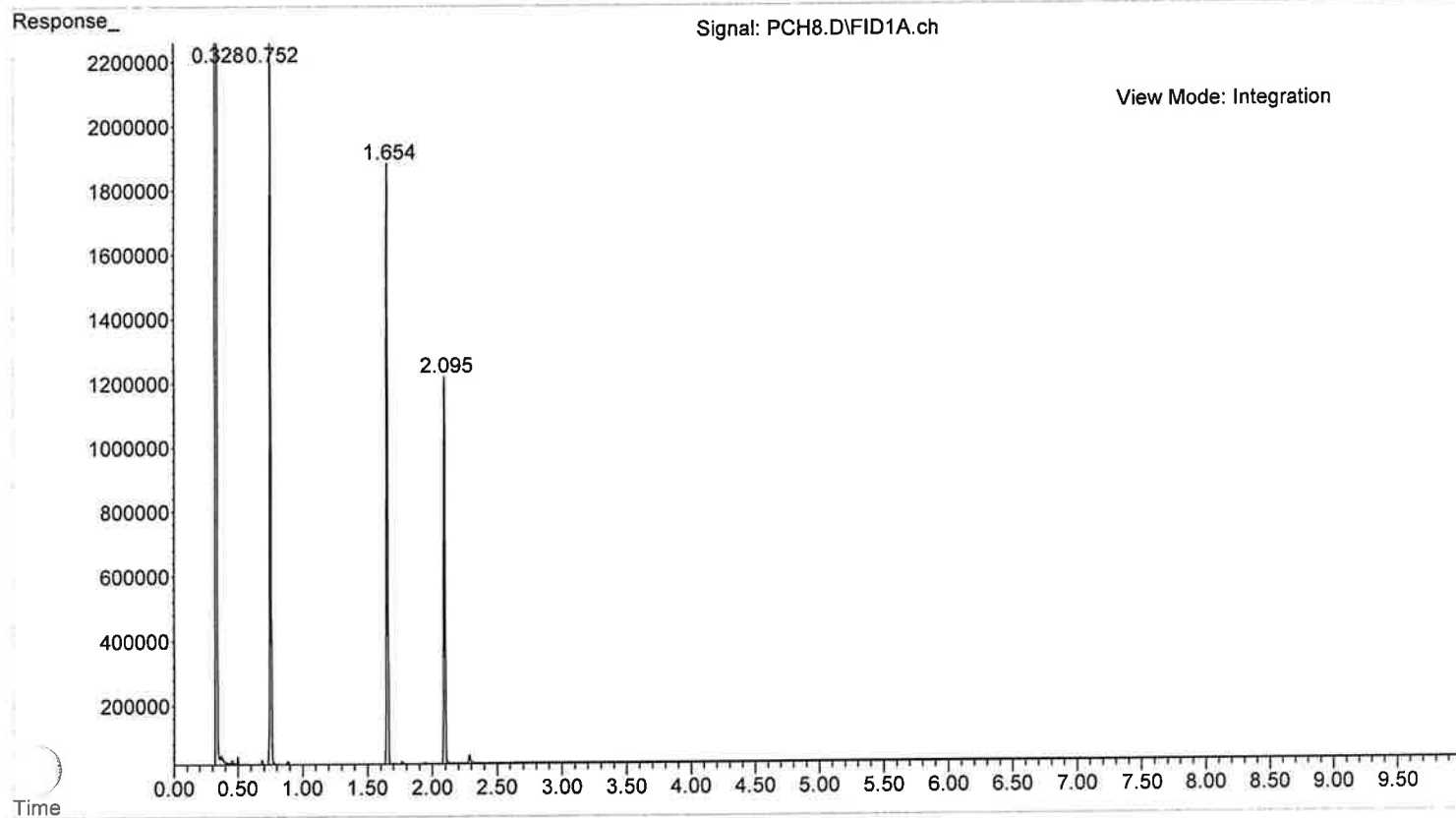
A/H = Area or Height

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

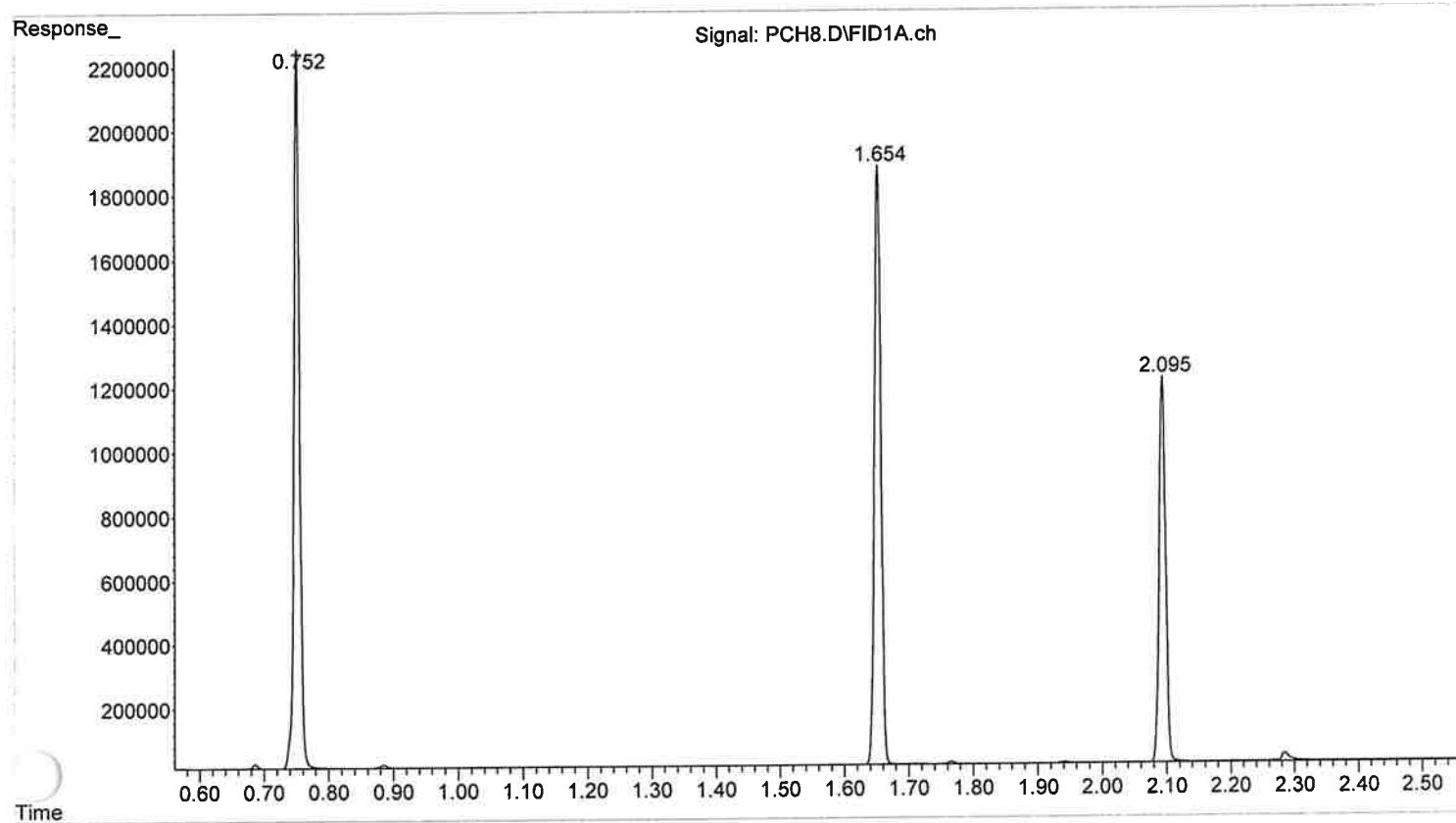
File :X:\2023\GJG\1-30-23\GCB3.D
Operator :
Acquired : 30 Jan 2023 19:43 using AcqMethod ASGC200.M
Instrument : Eggroll
Sample Name: MEOH B FOR CALIBRAION STANDARD MIX
Misc Info : 200-280
Vial Number: 2



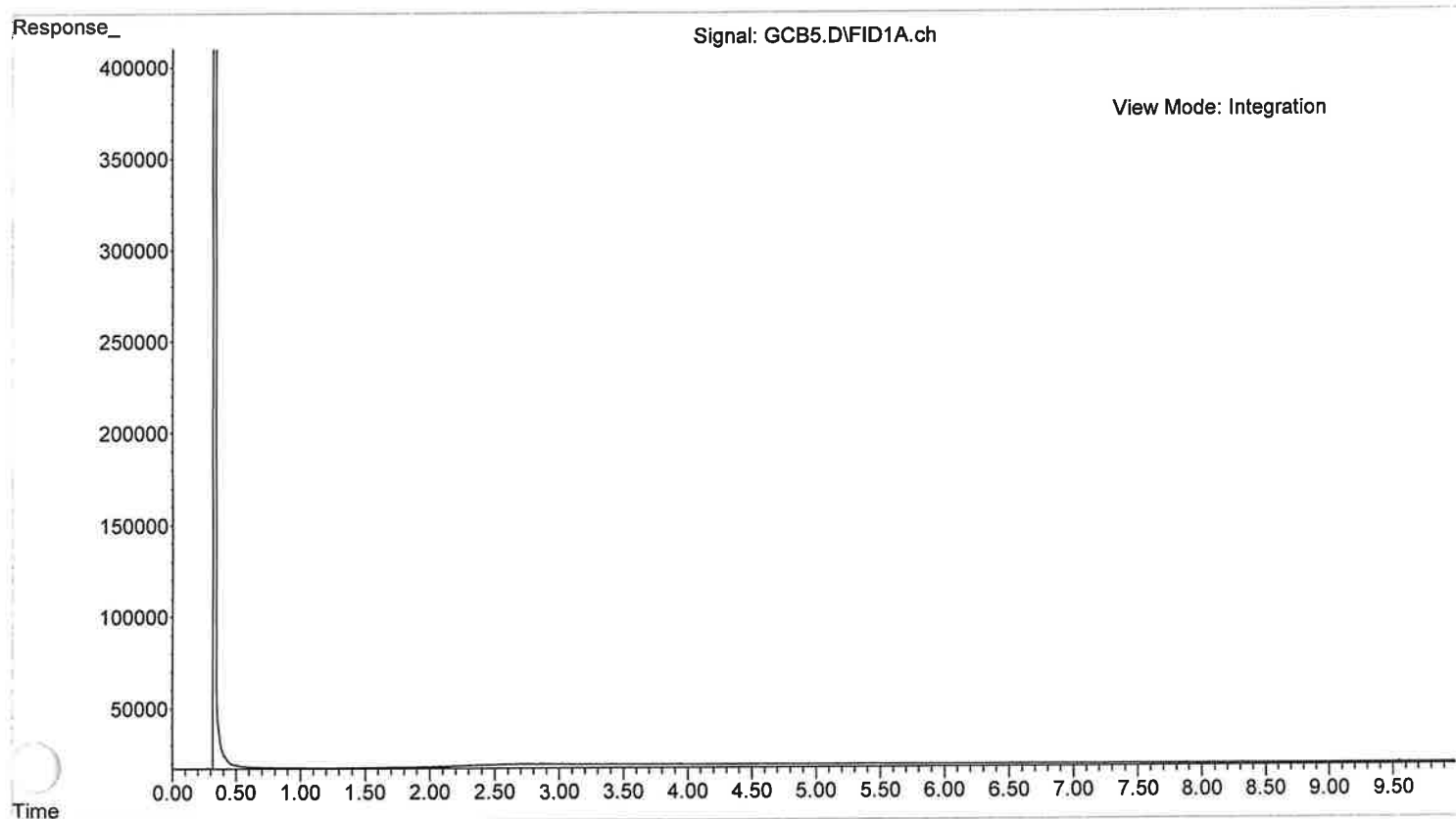
File :X:\2023\GJG\1-30-23\PCH8.D
Operator :
Acquired : 30 Jan 2023 19:56 using AcqMethod ASGC200.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD MIX -- 200-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vis Number: 3



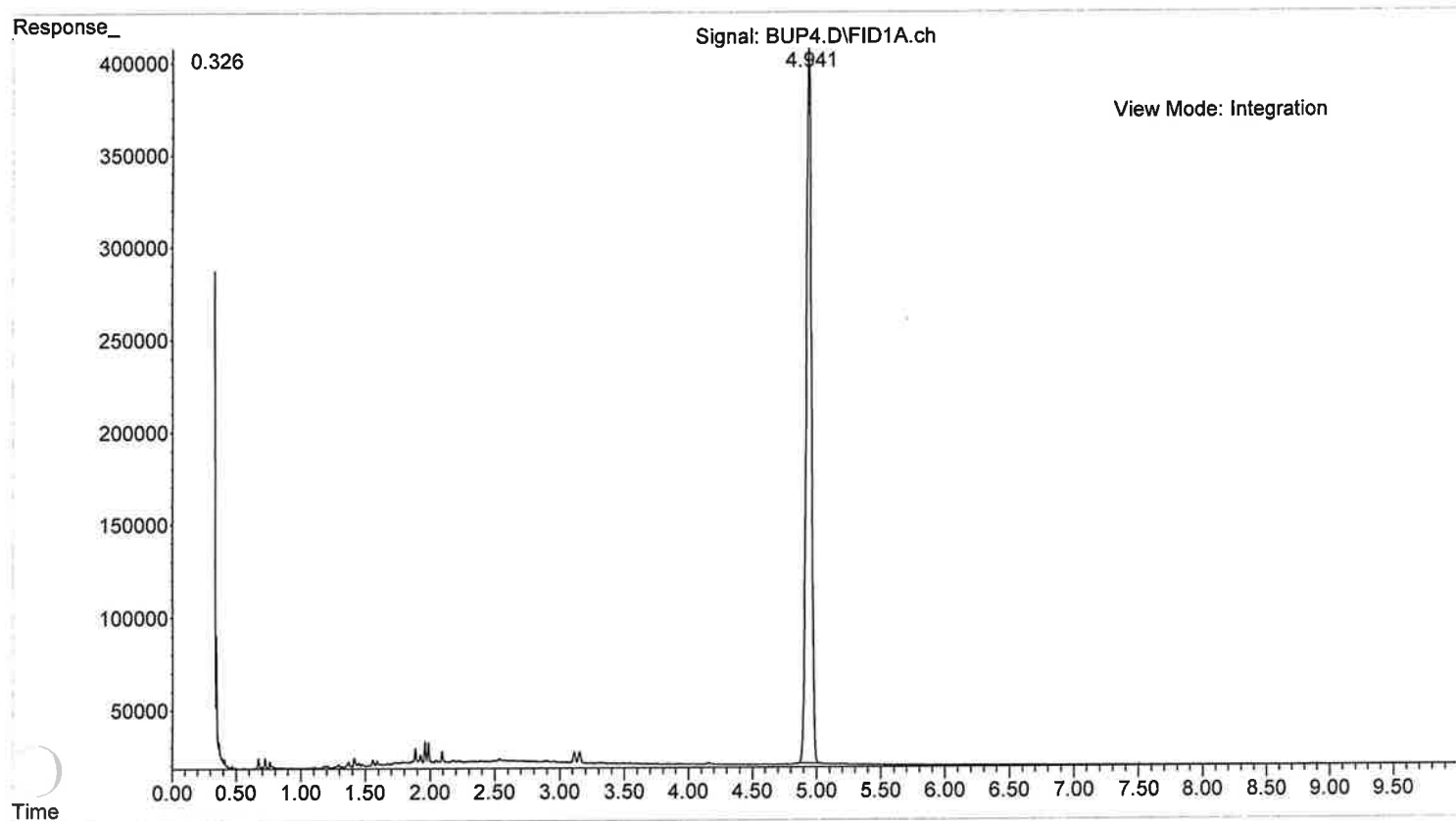
File :X:\2023\GJG\1-30-23\PCH8.D
Operator :
Acquired : 30 Jan 2023 19:56 using AcqMethod ASGC200.M
Instrument : Eggroll
Sample Name: CALIBRATION STANDARD MIX -- 200-280
Misc Info : PETHIDINE / COCAINE / HYDROCODONE
Vial Number: 3



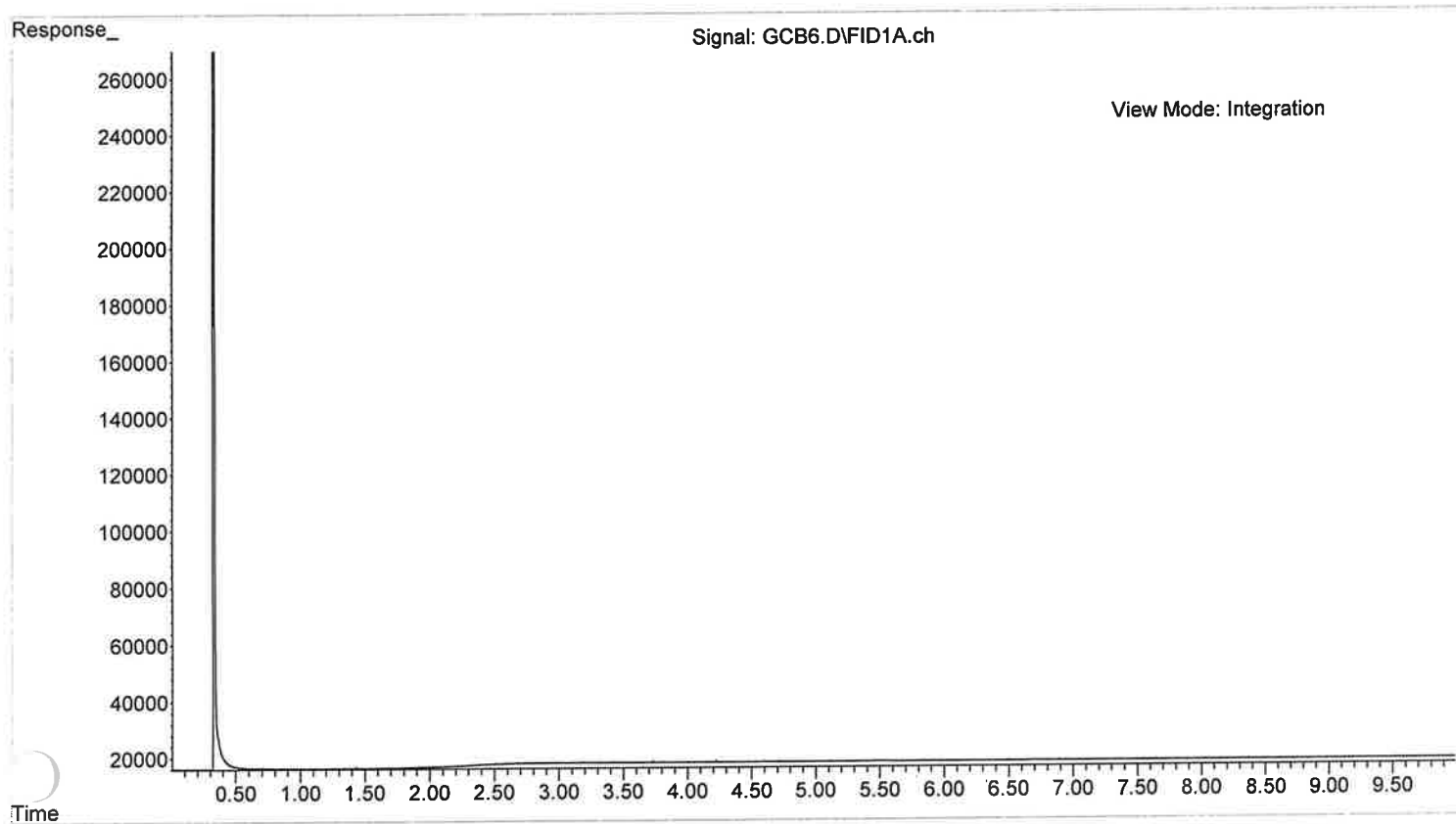
File :X:\2023\GJG\02-02-2023\GCB5.D
Operator :
Acquired : 02 Feb 2023 23:58 using AcqMethod ASGC200.M
Instrument : Eggroll
Sample Name: ME0H B FOR BUPRENORPHINE STANDARD
Misc Info : 200-280
Via Number: 2



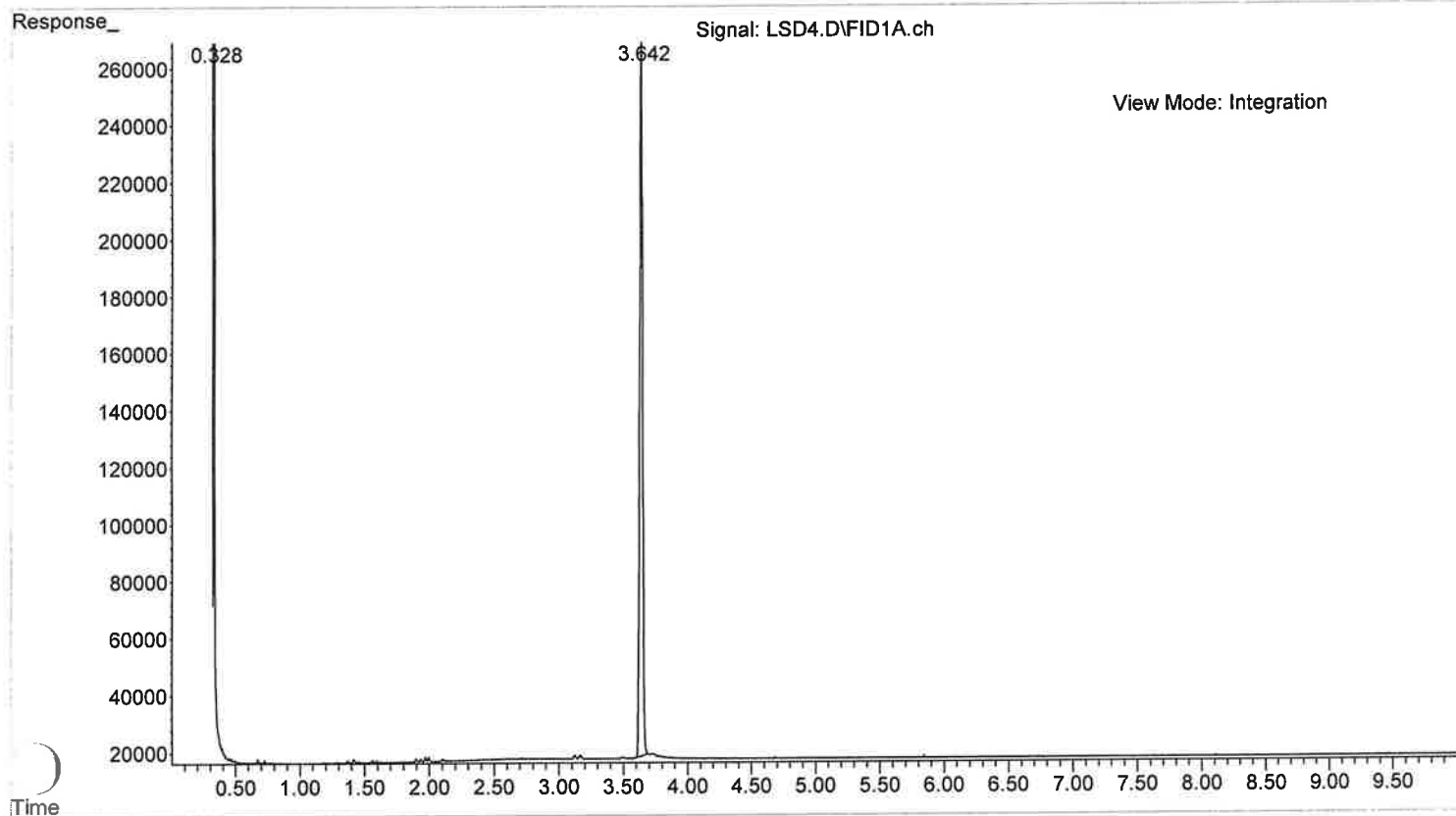
File :X:\2023\GJG\02-02-2023\BUP4.D
Operator :
Acquired : 03 Feb 2023 00:12 using AcqMethod ASGC200.M
Instrument : Eggroll
Sample Name: BUPRENORPHINE STANDARD
Misc Info : Cerilliant Lot# FE03191903 Exp: June 2024
Vial Number: 3



File :X:\2023\GJG\02-02-2023\GCB6.D
Operator :
Acquired : 03 Feb 2023 00:40 using AcqMethod ASGC200.M
Instrument : Eggroll
Sample Name: MEOH B FOR LSD STANDARD
Misc Info : 200-280
View Number: 2



File :X:\2023\GJG\02-02-2023\LSD4.D
Operator :
Acquired : 03 Feb 2023 00:56 using AcqMethod ASGC200.M
Instrument : Eggroll
Sample Name: LSD STANDARD -- 200-280
Misc Info : Cerilliant Lot# FE10161901 Exp: October 2024
Vial Number: 4



METHOD CONTROL PARAMETERS

Method Information for: C:\MassHunter\GCMS\1\methods\ASGC150ISO.M

Method Sections To Run:

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

Method Comments:

This is a GC auto sample method 150 Isothermal / 10 minutes.

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	C:\MassHunter\GCMS\1\methods\ASGC150ISO.M
Tune file	atune.u
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
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
------	-------------

C:\MassHunter\GCMS\1\methods\ASGC150ISO.M
Mon Jan 09 17:07:39 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 11 min
Post Run Time 0 min

Oven
Temperature
Setpoint On
(Initial) 150 °C
Hold Time 1 min
Post Run 100 °C
Program
#1 Rate 70 °C/min
#1 Value 150 °C
#1 Hold Time 10 min

Equilibration Time 0.5 min
Maximum Temperature 450 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 3
Solvent A Volume 3 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 3
Solvent B Volume 3 µL
Sample Washes 1
Sample Wash Volume 2 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
Injection Type Standard
L1 Airgap 0.2 µL

Solvent Wash Mode

A, B

Back Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 3
Solvent A Volume 3 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 3
Solvent B Volume 3 µL
Sample Washes 1
Sample Wash Volume 2 µL
Sample Pumps 3
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 300 µL/min
Solvent Wash Dispense Speed 6000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 6000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.2 µL
Solvent Wash Mode A, B

Sample Overlap
Mode

Sample overlap is not enabled

ALS Errors

Pause for user interaction

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

Excluded from Affecting GC's Readiness State
Split
On 250 °C
On 8.5 psi
On 37.159 mL/min
On 3 mL/min
Off
50 :1
33.489 mL/min
A Liner has not been selected.

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

Excluded from Affecting GC's Readiness State
Split
On 250 °C
On 12.5 psi
On 185.83 mL/min
On 3 mL/min
Off
50 :1
179.24 mL/min
A Liner has not been selected.

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

On
280 °C

Excluded from Readiness

Excluded from Affecting GC's Readiness State

Column

Column #1	
Flow	On
Setpoint	0.66978 mL/min
(Initial)	3.5062 mL/min
Post Run	
Column Information	19091S-602
HP-1MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm (Calibrated)
In	Front SS Inlet He
Out	MSD
(Initial)	150 °C
Pressure	8.5 psi
Flow	0.66978 mL/min
Average Velocity	48.244 cm/sec
Holdup Time	0.43183 min
Control Mode	Constant Flow
Column #2	
Pressure	On
Setpoint	12.5 psi
(Initial)	10 psi
Post Run	
Column Information	19091S-913
HP-1MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	15 m x 320 µm x 0.25 µm (Calibrated)
In	Back SS Inlet He
Out	Other
(Initial)	150 °C
Pressure	12.5 psi
Flow	3.5849 mL/min
Average Velocity	72.069 cm/sec
Holdup Time	0.34689 min
Control Mode	Constant Pressure
Column Outlet Pressure	0 psi
Front Detector FID	
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Makeup	He
Heater	On 300 °C
H2 Flow	On 30 mL/min
Air Flow	On 400 mL/min
Makeup Flow	On 25 mL/min
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	On
Signals	
Signal #1: Front Signal	
Description	Front Signal
Details	Front Signal (FID)
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #2: Test Plot	
Description	Test Plot
Save	Off
Data Rate	50 Hz
Dual Injection Assignment	Front Sample

Signal #3: Test Plot
Description
Save
Data Rate
Dual Injection Assignment

Test Plot
Off
50 Hz
Back Sample

Signal #4: Test Plot
Description
Save
Data Rate
Dual Injection Assignment

Test Plot
Off
50 Hz
Back Sample

TUNE PARAMETERS for SN: US61633037

Trace Ion Detection is OFF.

34.610 : EMISSION
70.347 : ENERGY
34.961 : REPELLER
88.259 : IONFOCUS
25.500 : ENTRANCE_LENS
1435.294 : EMVOLTS

1635.294 : Actual EMV
1.02 : GAIN FACTOR

2126.000 : AMUGAIN
120.563 : AMUOFFSET
1.000 : FILAMENT
0.000 : DCPOLARITY
18.824 : ENTLENSOFFSET
-575.000 : MASSGAIN
34.000 : MASSOFFSET

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

Method Path : C:\MassHunter\GCMS\1\methods\

Method File : ASGC150ISO.M

Title :

Update :

Response Via : Initial Calibration

Total Cpnds : 0

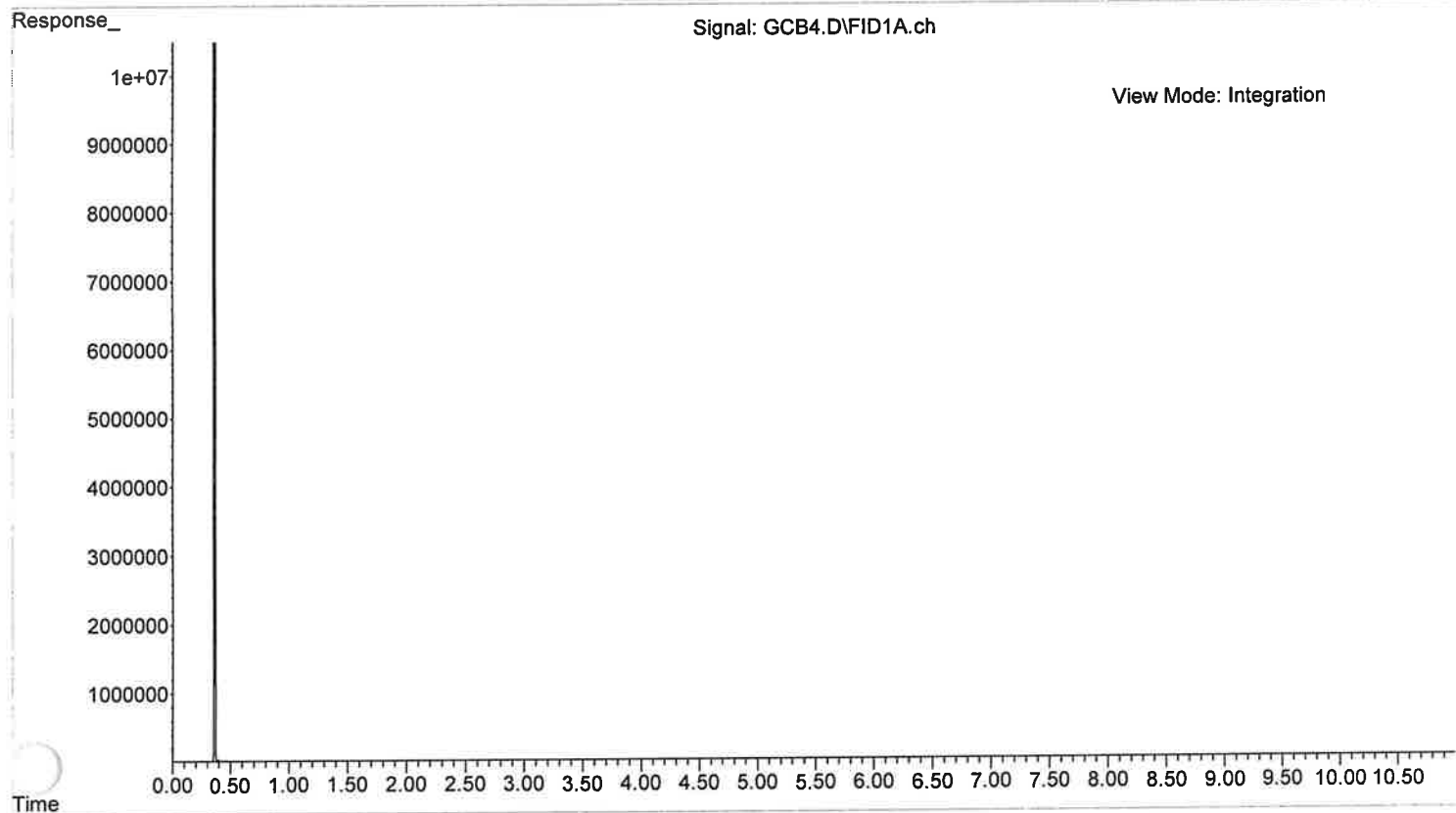
PK#	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
-----	---------------	--------	--------	-----	-----	----

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

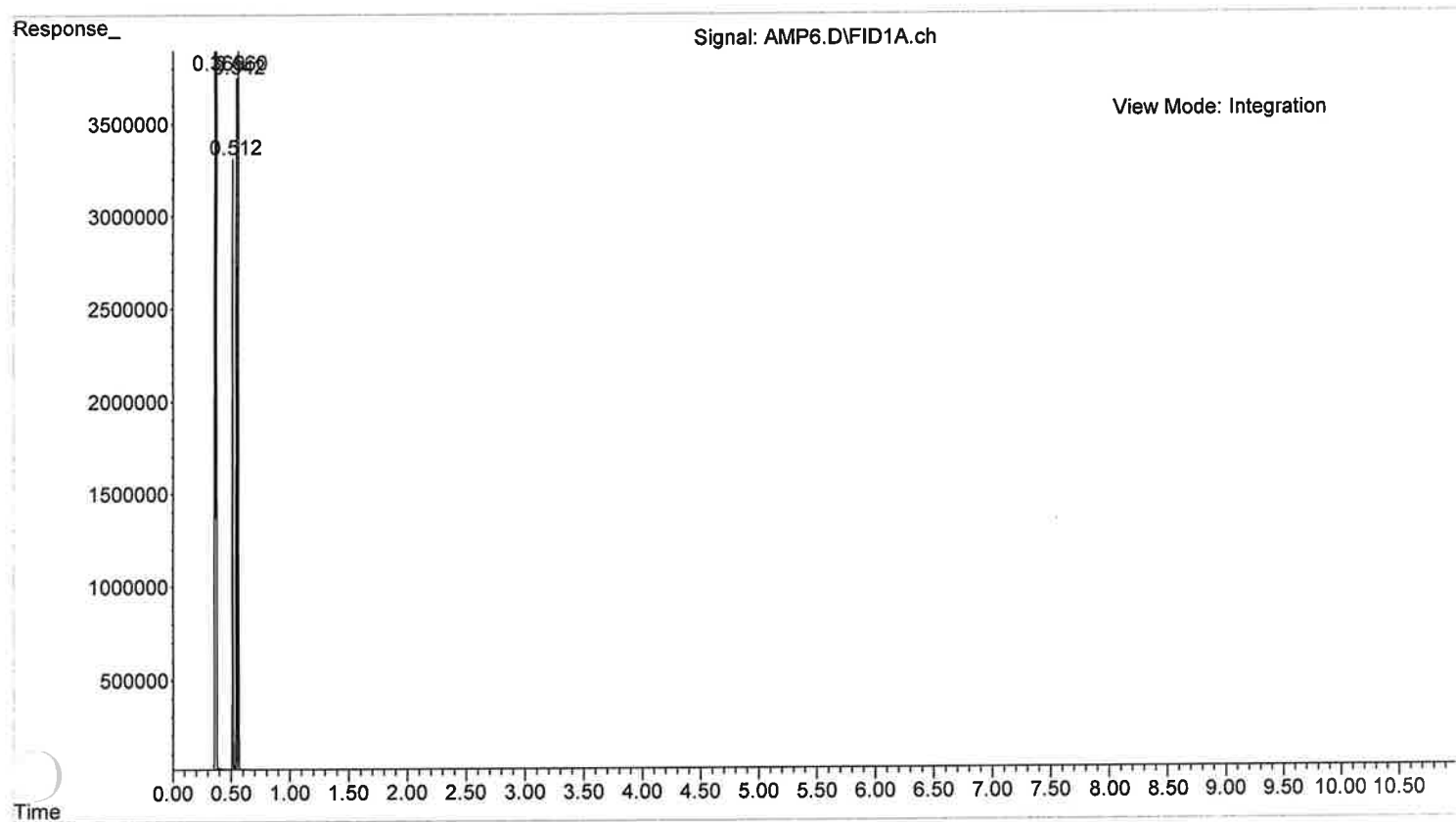
A/H = Area or Height

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

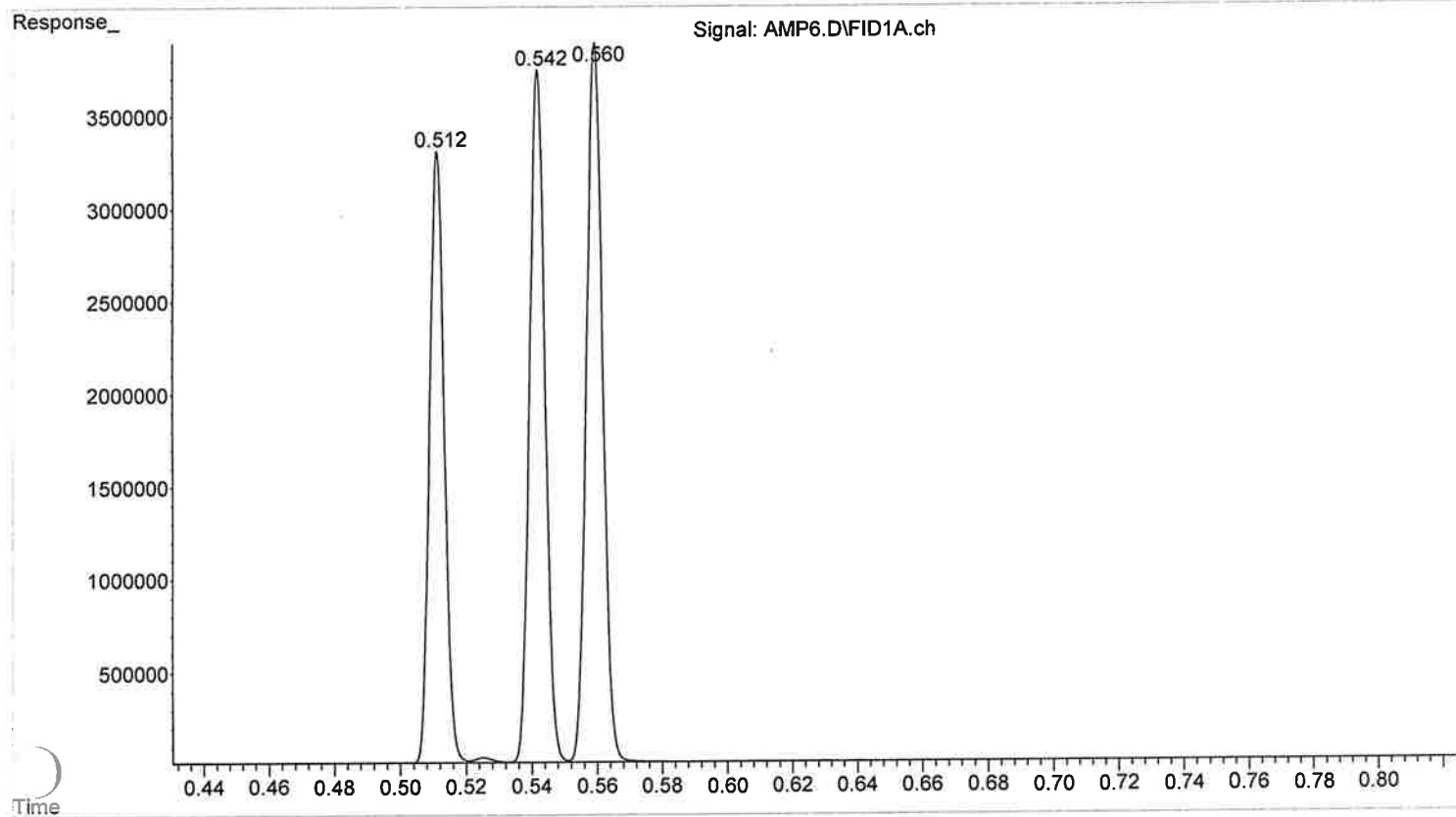
File :X:\2023\GJG\1-30-23\GCB4.D
Operator :
Acquired : 30 Jan 2023 20:24 using AcqMethod ASGC150ISO.M
Instrument : Eggroll
Sample Name: MEOH B FOR GC/IR TEST SOLUTION
Misc Info : 150 ISOTHERMAL
Via mber: 2



File :X:\2023\GJG\1-30-23\AMP6.D
Operator :
Acquired : 30 Jan 2023 20:38 using AcqMethod ASGC150ISO.M
Instrument : Eggroll
Sample Name: GC/IR TEST SOLUTION -- 150 ISOTHERMAL
Misc Info : AMPHETAMINE / PHENTERMINE / METHAMPHETAMINE
View Number: 4



File :X:\2023\GJG\1-30-23\AMP6.D
Operator :
Acquired : 30 Jan 2023 20:38 using AcqMethod ASGC150IS0.M
Instrument : Eggroll
Sample Name: GC/IR TEST SOLUTION -- 150 ISOTHERMAL
Misc Info : AMPHETAMINE / PHENTERMINE / METHAMPHETAMINE
View Number: 4



METHOD CONTROL PARAMETERS

Method Information for: C:\MassHunter\GCMS\1\methods\ASGC280ISO.M

Method Sections To Run:

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

Method Comments:

This is a GC auto sample injection method 280 Isothermal / 10 minutes.

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	C:\MassHunter\GCMS\1\methods\ASGC280ISO.M
Tune file	ATUNE.U
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
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
------	-------------

C:\MassHunter\GCMS\1\methods\ASGC280ISO.M
Wed Mar 08 10:45:33 2023

Control Information

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

No Sample Prep method has been assigned to this method.

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

Oven
Temperature
Setpoint On
(Initial) 280 °C
Hold Time 1 min
Post Run 100 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 9 min

Equilibration Time 0.5 min
Temperature 450 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 3
Solvent A Volume 3 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 3
Solvent B Volume 3 µL
Sample Washes 1
Sample Wash Volume 2 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
Injection Type Standard
L1 Airgap 0.2 µL

Solvent Wash Mode	A, B
Back Injector	
Syringe Size	10 µL
Injection Volume	1 µL
Solvent A Washes (PreInj)	2
Solvent A Washes (PostInj)	3
Solvent A Volume	3 µL
Solvent B Washes (PreInj)	2
Solvent B Washes (PostInj)	3
Solvent B Volume	3 µL
Sample Washes	1
Sample Wash Volume	2 µL
Sample Pumps	3
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Solvent Wash Mode	A, B
Sample Overlap Mode	Sample overlap is not enabled
ALS Errors	Pause for user interaction
Front SS Inlet He	
Excluded from Readiness Mode	***Excluded from Affecting GC's Readiness State***
Heater	Split
Pressure	On 250 °C
Total Flow	On 8.5 psi
Septum Purge Flow	On 24.779 mL/min
Gas Saver	On 3 mL/min
Split Ratio	Off
Split Flow	50 :1
Liner	21.352 mL/min
	A Liner has not been selected.
Back SS Inlet He	
Excluded from Readiness Mode	***Excluded from Affecting GC's Readiness State***
Heater	Split
Pressure	On 250 °C
Total Flow	On 17.5 psi
Septum Purge Flow	On 185.67 mL/min
Gas Saver	On 3 mL/min
Split Ratio	Off
Split Flow	50 :1
Liner	179.09 mL/min
	A Liner has not been selected.
Thermal Aux 2 (MSD Transfer Line)	
Temperature	
Setpoint	On
(Initial)	280 °C
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Column	

Column #1	
Flow	On
Setpoint	0.42704 mL/min
(Initial)	3.5062 mL/min
Post Run	
Column Information	19091S-602
HP-1MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm (Calibrated)
In	Front SS Inlet He
Out	MSD
(Initial)	280 °C
Pressure	8.5 psi
Flow	0.42704 mL/min
Average Velocity	40.209 cm/sec
Holdup Time	0.51813 min
Control Mode	Constant Flow
Column #2	
Pressure	On
Setpoint	17.5 psi
(Initial)	10 psi
Post Run	
Column Information	19091S-913
HP-1MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	15 m x 320 µm x 0.25 µm (Calibrated)
In	Back SS Inlet He
Out	Other
(Initial)	280 °C
Pressure	17.5 psi
Flow	3.5818 mL/min
Average Velocity	82.747 cm/sec
Holdup Time	0.30213 min
Control Mode	Constant Pressure
Column Outlet Pressure	0 psi
Front Detector FID	
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Makeup	He
Heater	On 300 °C
H2 Flow	On 30 mL/min
Air Flow	On 400 mL/min
Makeup Flow	On 25 mL/min
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	On
Signals	
Signal #1: Front Signal	Front Signal
Description	Front Signal (FID)
Details	On
Save	50 Hz
Data Rate	Front Sample
Dual Injection Assignment	
Signal #2: Test Plot	Test Plot
Description	Off
Save	50 Hz
Data Rate	Front Sample
Dual Injection Assignment	

Signal #3: Test Plot
Description
Save
Data Rate
Dual Injection Assignment

Test Plot
Off
50 Hz
Back Sample

Signal #4: Test Plot
Description
Save
Data Rate
Dual Injection Assignment

Test Plot
Off
50 Hz
Back Sample

TUNE PARAMETERS for SN: US61633037

Trace Ion Detection is OFF.

34.610 : EMISSION
70.347 : ENERGY
34.961 : REPELLER
83.514 : IONFOCUS
25.500 : ENTRANCE_LENS
1470.588 : EMVOLTS

1670.588 : Actual EMV
0.99 : GAIN FACTOR

2125.000 : AMUGAIN
120.438 : AMUOFFSET
1.000 : FILAMENT
0.000 : DCPOLARITY
16.816 : ENTLENSOFFSET
-569.000 : MASSGAIN
36.000 : MASSOFFSET

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

Method Path : C:\MassHunter\GCMS\1\methods\

Method File : ASGC280ISO.M

Title :

Update :

Response Via : Initial Calibration

Total Cpnds : 0

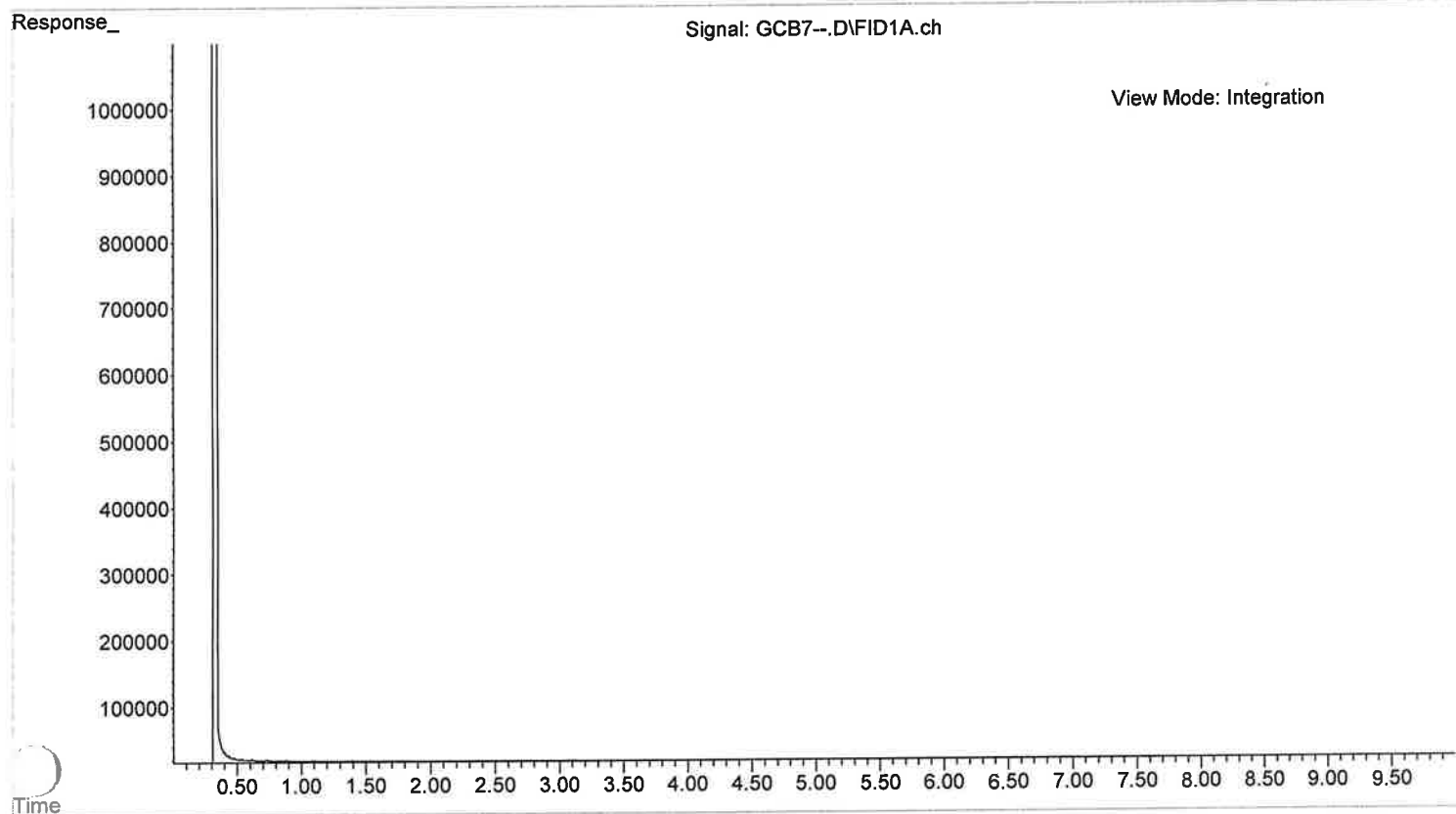
PK#	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
-----	---------------	--------	--------	-----	-----	----

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

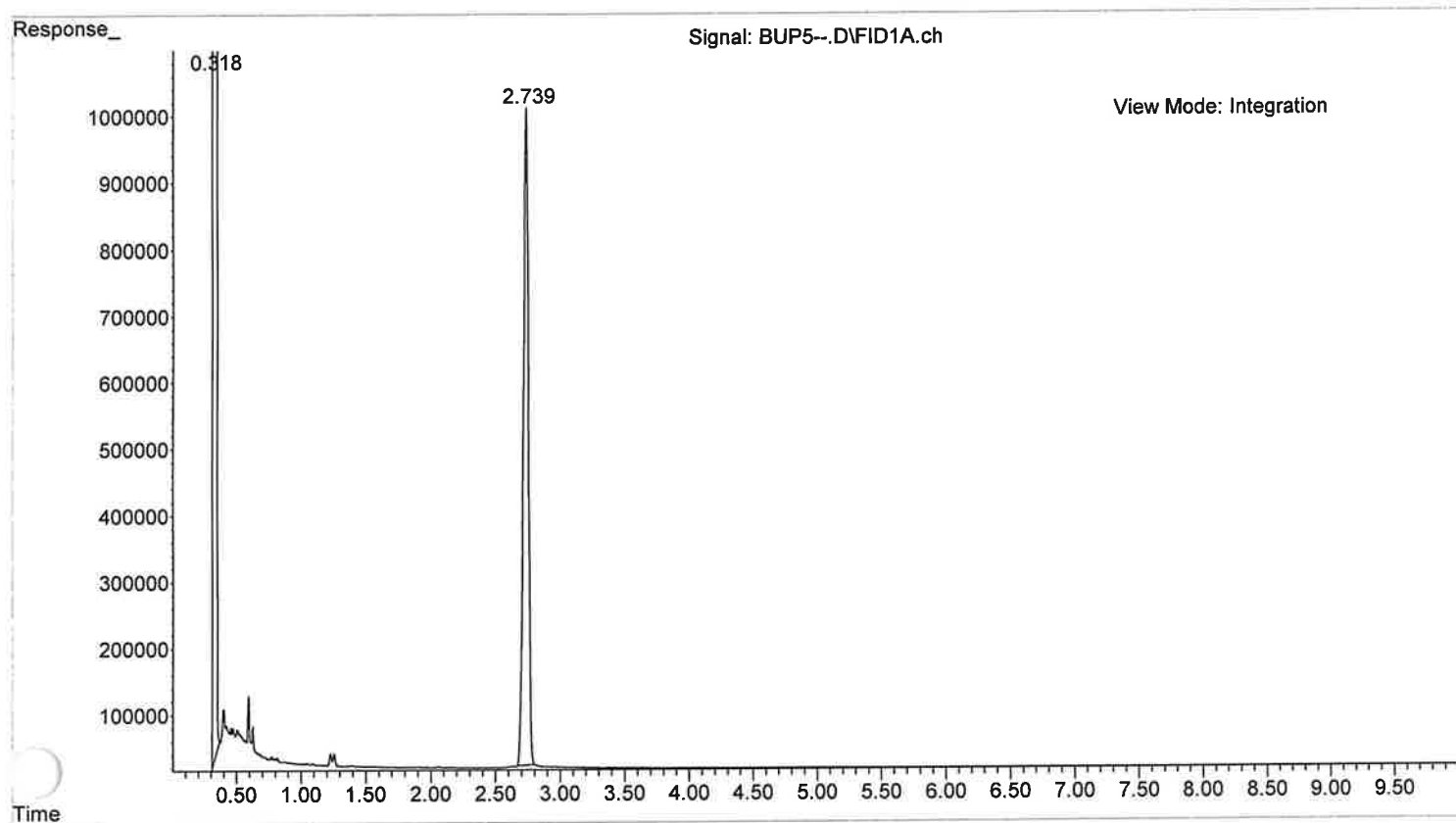
A/H = Area or Height

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

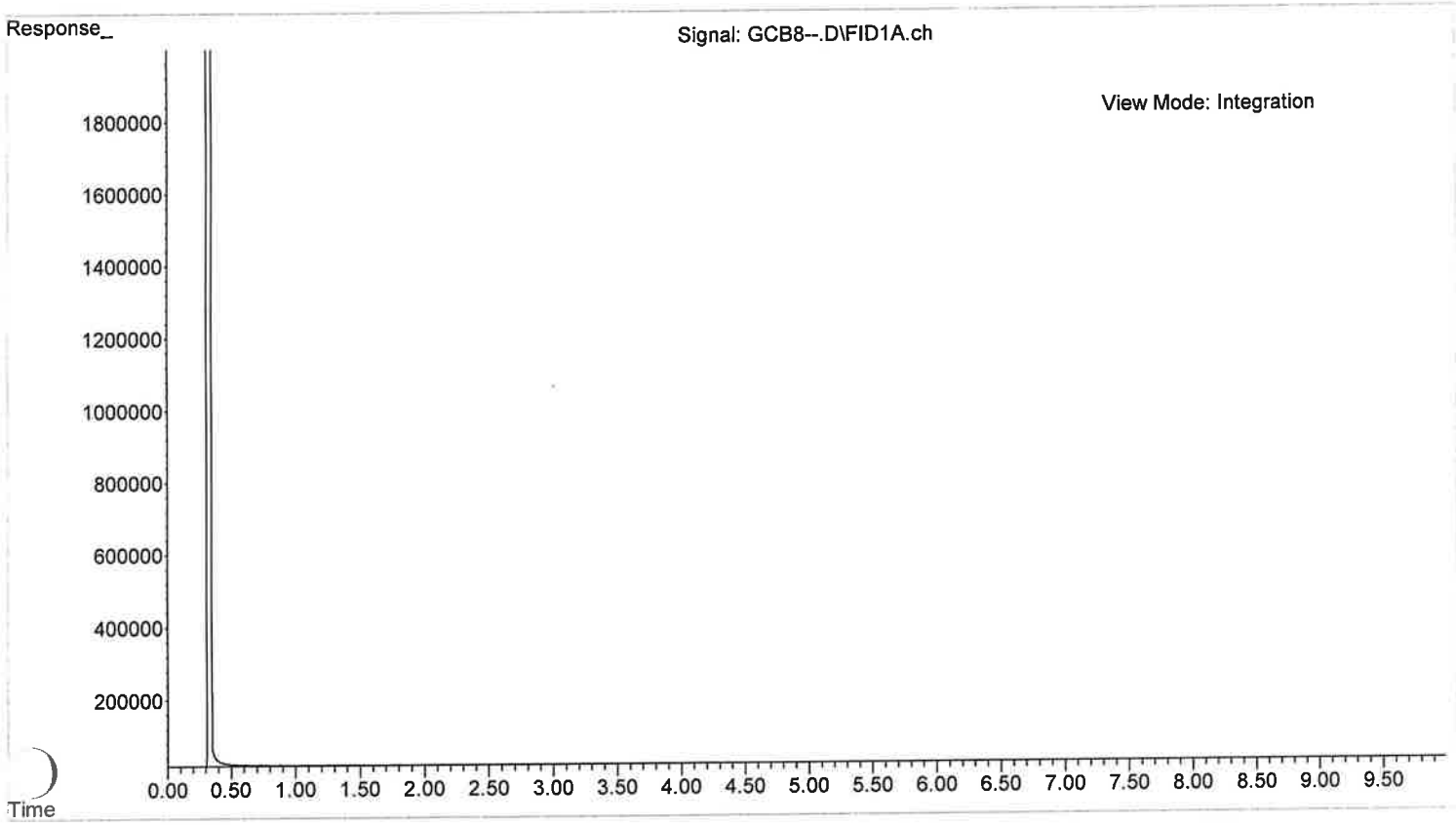
File :X:\2023\GJG\02-02-2023\GCB7--.D
Operator :
Acquired : 08 Mar 2023 10:50 using AcqMethod ASGC280ISO.M
Instrument : Eggroll
Sample Name: MEOH B FOR BUPRENORPHINE STANDARD
Misc Info : 280 ISOTHERMAL
Vial Number: 1



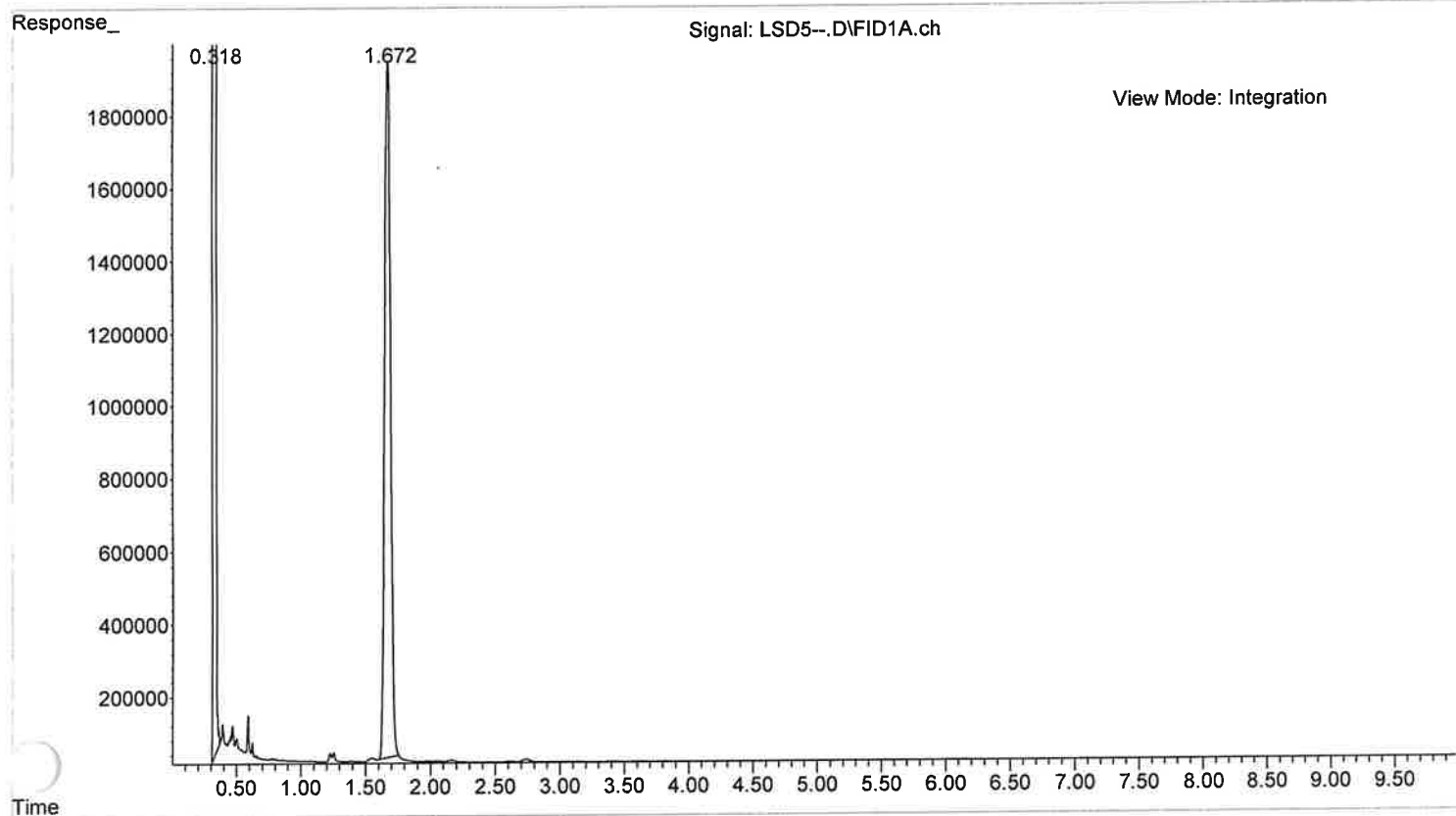
File :X:\2023\GJG\02-02-2023\BUP5--.D
Operator :
Acquired : 08 Mar 2023 11:03 using AcqMethod ASGC280ISO.M
Instrument : Eggroll
Sample Name: BUPRENORPHINE STANDARD -- 280 ISOTHERMAL
Misc Info : Cerilliant Lot# FE03191903 Exp: June 2024
Vis Number: 2



File :X:\2023\GJG\02-02-2023\GCB8--.D
Operator :
Acquired : 08 Mar 2023 11:16 using AcqMethod ASGC280ISO.M
Instrument : Eggroll
Sample Name: MEOH B FOR LSD STANDARD
Misc Info : 280 ISOTHERMAL
Vial Number: 1



File :X:\2023\GJG\02-02-2023\LSD5--.D
Operator :
Acquired : 08 Mar 2023 11:29 using AcqMethod ASGC280ISO.M
Instrument : Eggroll
Sample Name: LSD STANDARD -- 280 ISOTHERMAL
Misc Info : Cerilliant Lot# FE10161901 Exp: October 2024
Vial Number: 3



METHOD CONTROL PARAMETERS

Method Information for: C:\MassHunter\GCMS\1\methods\ASGC280ISOTI.M

Method Sections To Run:

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

Method Comments:

This is a GC auto sample injection method 280 Isothermal / 30 minutes.

END OF METHOD CONTROL PARAMETERS

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	C:\MassHunter\GCMS\1\methods\ASGC280ISOTI.M
Tune file	ATUNE.U
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
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
------	-------------

C:\MassHunter\GCMS\1\methods\ASGC280ISOTI.M
Wed Mar 08 10:43:24 2023

rol Information

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

No Sample Prep method has been assigned to this method.

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

Oven
Temperature
Setpoint On
(Initial) 280 °C
Hold Time 1 min
Post Run 100 °C
Program
#1 Rate 70 °C/min
#1 Value 280 °C
#1 Hold Time 29 min

Equilibration Time 0.5 min
Temperature 450 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS
Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 2
Solvent A Washes (PostInj) 3
Solvent A Volume 3 µL
Solvent B Washes (PreInj) 2
Solvent B Washes (PostInj) 3
Solvent B Volume 3 µL
Sample Washes 1
Sample Wash Volume 2 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
Injection Type Standard
L1 Airgap 0.2 µL

Solvent Wash Mode	A, B
Back Injector	
Syringe Size	10 µL
Injection Volume	1 µL
Solvent A Washes (PreInj)	2
Solvent A Washes (PostInj)	3
Solvent A Volume	3 µL
Solvent B Washes (PreInj)	2
Solvent B Washes (PostInj)	3
Solvent B Volume	3 µL
Sample Washes	1
Sample Wash Volume	2 µL
Sample Pumps	3
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	6000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	6000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Solvent Wash Mode	A, B
Sample Overlap	
Mode	Sample overlap is not enabled
ALS Errors	Pause for user interaction
Front SS Inlet He	
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Mode	Split
Heater	On 250 °C
Pressure	On 8.5 psi
Total Flow	On 24.779 mL/min
Septum Purge Flow	On 3 mL/min
Gas Saver	Off
Split Ratio	50 :1
Split Flow	21.352 mL/min
Liner	A Liner has not been selected.
Back SS Inlet He	
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Mode	Split
Heater	On 250 °C
Pressure	On 17.5 psi
Total Flow	On 185.67 mL/min
Septum Purge Flow	On 3 mL/min
Gas Saver	Off
Split Ratio	50 :1
Split Flow	179.09 mL/min
Liner	A Liner has not been selected.
Thermal Aux 2 (MSD Transfer Line)	
Temperature	
Setpoint	On
(Initial)	280 °C
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Column	

Column #1	
Flow	On
Setpoint	0.42704 mL/min
(Initial)	3.5062 mL/min
Post Run	
Column Information	19091S-602
HP-1MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	12.5 m x 200 µm x 0.33 µm (Calibrated)
In	Front SS Inlet He
Out	MSD
(Initial)	280 °C
Pressure	8.5 psi
Flow	0.42704 mL/min
Average Velocity	40.209 cm/sec
Holdup Time	0.51813 min
Control Mode	Constant Flow
Column #2	
Pressure	On
Setpoint	17.5 psi
(Initial)	10 psi
Post Run	
Column Information	19091S-913
HP-1MS	
Temperature Range	-60 °C-450 °C (450 °C)
Dimensions	15 m x 320 µm x 0.25 µm (Calibrated)
In	Back SS Inlet He
Out	Other
(Initial)	280 °C
Pressure	17.5 psi
Flow	3.5818 mL/min
Average Velocity	82.747 cm/sec
Holdup Time	0.30213 min
Control Mode	Constant Pressure
Column Outlet Pressure	0 psi
Front Detector FID	
Excluded from Readiness	***Excluded from Affecting GC's Readiness State***
Makeup	He
Heater	On 300 °C
H2 Flow	On 30 mL/min
Air Flow	On 400 mL/min
Makeup Flow	On 25 mL/min
Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Flame	On
Signals	
Signal #1: Front Signal	Front Signal
Description	Front Signal (FID)
Details	On
Save	50 Hz
Data Rate	Front Sample
Dual Injection Assignment	
Signal #2: Test Plot	Test Plot
Description	Off
Save	50 Hz
Data Rate	Front Sample
Dual Injection Assignment	

Signal #3: Test Plot
Description
Save
Data Rate
Dual Injection Assignment

Test Plot
Off
50 Hz
Back Sample

Signal #4: Test Plot
Description
Save
Data Rate
Dual Injection Assignment

Test Plot
Off
50 Hz
Back Sample

TUNE PARAMETERS for SN: US61633037

Trace Ion Detection is OFF.

34.610 : EMISSION
70.347 : ENERGY
34.961 : REPELLER
83.514 : IONFOCUS
25.500 : ENTRANCE_LENS
1470.588 : EMVOLTS

1670.588 : Actual EMV
0.99 : GAIN FACTOR

2125.000 : AMUGAIN
120.438 : AMUOFFSET
1.000 : FILAMENT
0.000 : DCPOLARITY
16.816 : ENTLENSOFFSET
-569.000 : MASSGAIN
-36.000 : MASSOFFSET

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

Compound List Report

Method Path : C:\MassHunter\GCMS\1\methods\

Method File : ASGC280ISOTI.M

Title :

Update :

Response Via : Initial Calibration

Total Cpnds : 0

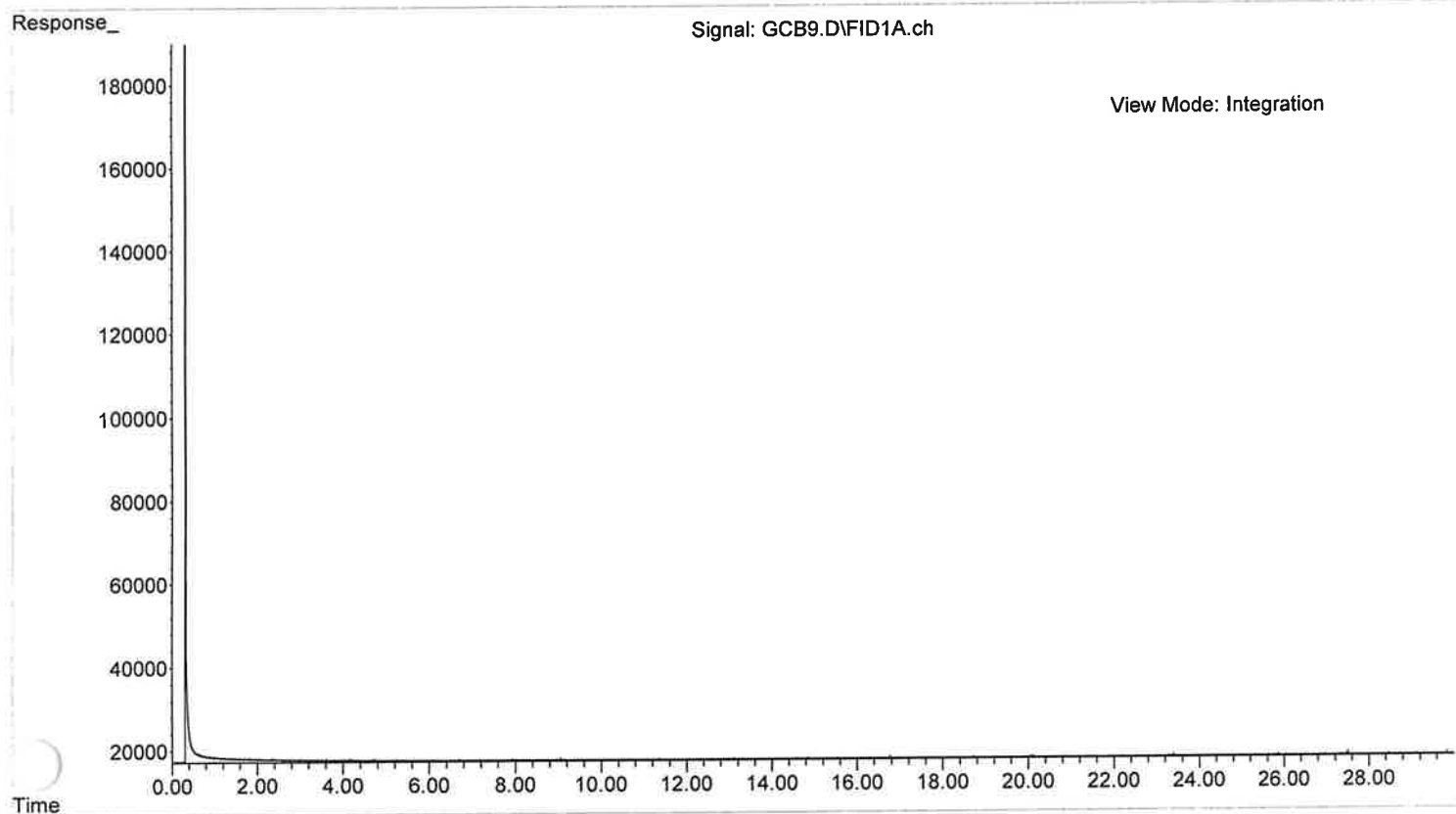
PK#	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
-----	---------------	--------	--------	-----	-----	----

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

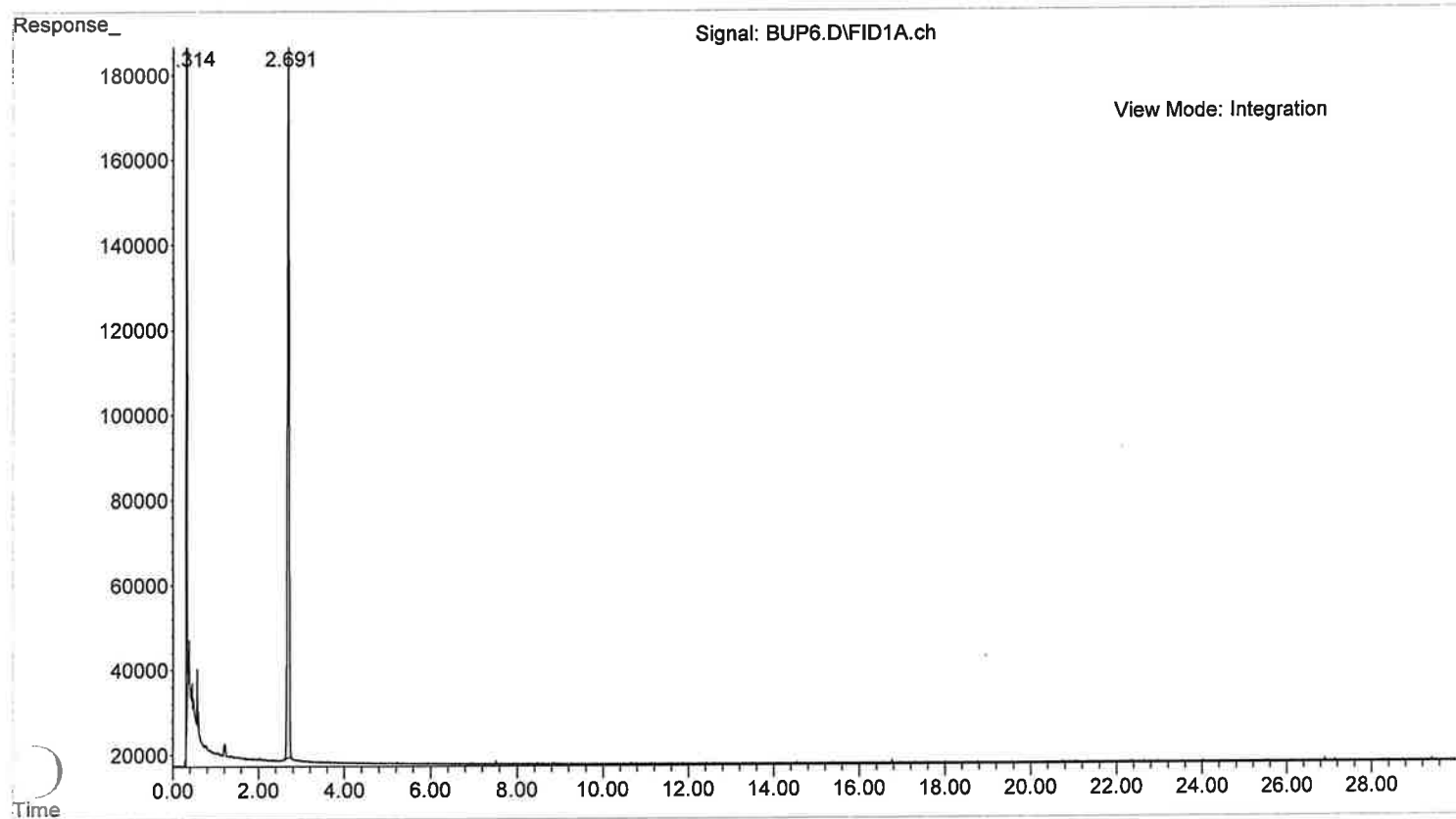
A/H = Area or Height

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

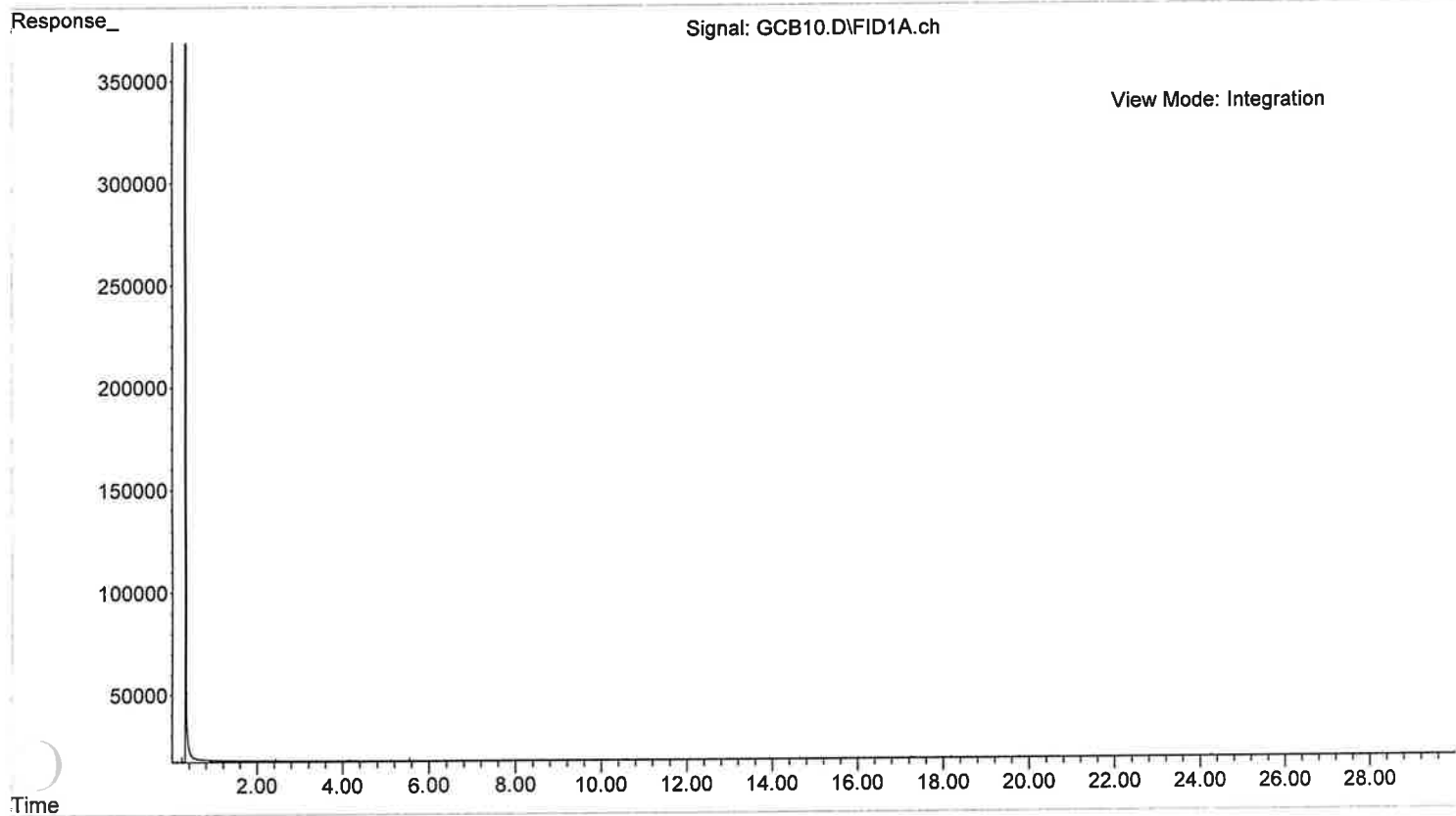
File :X:\2023\GJG\02-02-2023\GCB9.D
Operator :
Acquired : 03 Feb 2023 02:57 using AcqMethod ASGC280ISOTI.M
Instrument : Eggroll
Sample Name: MEOH B FOR BUPRENORPHINE STANDARD
Misc Info : 280 ISOTHERMAL
Vial Number: 2



File :X:\2023\GJG\02-02-2023\BUP6.D
Operator :
Acquired : 03 Feb 2023 03:37 using AcqMethod ASGC280ISOTI.M
Instrument : Eggroll
Sample Name: BUPRENORPHINE STANDARD -- 280 ISOTHERMAL
Misc Info : Cerilliant Lot# FE03191903 Exp: June 2024
View Number: 3



File :X:\2023\GJG\02-02-2023\GCB10.D
Operator :
Acquired : 03 Feb 2023 04:25 using AcqMethod ASGC280ISOTI.M
Instrument : Eggroll
Sample Name: MEOH B FOR LSD STANDARD
Misc Info : 280 ISOTHERMAL
Vis Number: 2



File :X:\2023\GJG\02-02-2023\LSD6.D
Operator :
Acquired : 03 Feb 2023 05:01 using AcqMethod ASGC280ISOTI.M
Instrument : 7890
Sample Name: LSD STANDARD -- 280 ISOTHERMAL
Misc Info :
Vial Number: 4

