

TBI-FORENSIC SERVICES DIVISION PERFORMANCE VERIFICATION FORM

Instrument/Method to Verify:

Agilent GC 8890 ASAP Analytical IRD3 GC-FTIR "Curie" SN#US2143A009,SN#A10050-C15

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

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

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

Name Rebecca Hernandez Title SAFS-II Initials RH

Completed: Signature/Date Rebecca Hernandez
Digitally signed by Rebecca Hernandez
DN: cn=Rebecca Hernandez, o=TBI, ou=Forensic Chemistry,
email=rebecca.hernandez@tn.gov, c=US
Date: 2022.03.18 14:48:51 -05'00'

Name _____ Title _____ Initials _____

Completed: Signature/Date _____

Name _____ Title _____ Initials _____

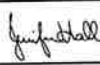
Completed: Signature/Date _____

Verification of final review:

Unit Supervisor/Date Glenn Everett
Digitally signed by Glenn Everett
DN: cn=Glenn Everett, o=TBI, ou, email=glenn.everett@tn.gov, c=US
Date: 2022.03.21 15:06:29 -05'00'

Unit Supervisor/Date _____

Unit Supervisor/Date _____

Crime Laboratory Regional Supervisor/Date 
Digitally signed by Jennifer Hall
DN: cn=Jennifer Hall, o=Tennessee Bureau of Investigation
ou=Hatchville Crime Lab, email=jennifer.hall@tn.gov, c=US
Date: 2022.03.24 11:53:03 -05'00'

Crime Laboratory Regional Supervisor/Date _____

Crime Laboratory Regional Supervisor/Date _____

Quality Assurance Manager/Date CDJ
Digitally signed by chad johnson
Date: 2022.03.23 10:09:50 -05'00'

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

Technical Leader/Date Glenn Everett
Digitally signed by Glenn Everett
DN: cn=Glenn Everett, o=TBI, ou, email=glenn.everett@tn.gov,
c=US
Date: 2022.03.21 15:06:51 -05'00'

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.

Performance Check for Agilent GC 8890 ASAP Analytical IRD3 GC-FTIR (Curie)

Table of Contents

I. Introduction

II. Materials

III. Methods/Procedures

IV. Experiments

○ Performance Check of Methods

V. Results and Discussion

VI. Conclusions

VII. References

VIII. Training

IX. Competency Tests

I. Introduction:

This performance check is designed to demonstrate the effectiveness of using GC-FTIR vapor phase in the analysis of legally significant substances on ASAP Analytical's IRD3 (IRD3) "Curie" instrument. This analysis can effectively be used as a Category A test to determine structural information of an unknown compound and distinguish positional isomers that may be difficult to determine by GC-MS analysis. The ability for acquired spectra to differentiate and identify compounds with no ambiguity will be evaluated, except when compounds are thermally liable or have optical isomers (d and l ephedrine for example). The spectra obtained by the IRD3 will be compared to existing TBI GC-FTIR libraries that have been built using Agilent/Thermo Scientific and ASAP Analytical IRD3 GC-FTIR instrumentation under similar operating conditions using the same types of columns with previously validated methods and will be verified as fit for use. Additionally, an "IRD3 EXT" method was created on Curie to extend the IR spectral range from 800-4000 cm^{-1} to 550-4000 cm^{-1} . All of the parameters for the "IRD3 EXT" method are the same except for the extended spectral range from 550-800 cm^{-1} . A performance check of the "IRD3 EXT" method on Curie was achieved by running a series of standards using existing validated Agilent GC methods along with the "IRD3 EXT" method. A validation of this extended method had previously been performed and approved on existing ASAP Analytical IRD3's Hedwig and Aslan (See instruments for validation/performance check manuals). This extended spectral range allows for additional spectral information to be obtained that can further distinguish compounds containing primary and secondary amines such as amphetamines, as well as aromatics (rings), alkenes ($\text{C}=\text{C}$), and halogen (ex. Cl and Br) containing compounds. Standards that had not yet been previously run by the "IRD3 EXT" method were compared to the ASAP Analytical "Project EUCLiD" spectral database as well as standard spectra provided by other Forensic Laboratories when available. Once verified, these standards were added to the "TBI GCIR EXT" library and added to the spreadsheet of standards that have been run and verified by the "IRD3 EXT" method. Once deemed fit for use, all analysts will be trained on the familiarization and use of the instrument.

Validation of the following will include:

- Performance Check of Methods
- A. Performance Check of Methods – A series of standards will be analyzed using the same column with previously validated GC-IR autosample methods on Hogwarts and manual methods on GC-FTIR #1 (HP-5 5 meter column, 0.32 ID, 0.25 μm film thickness) in order to obtain their respective vapor phase IR spectra. In addition to the previously validated instrument methods, there will be additional manual injection methods re-introduced for hand injecting more sample volume for low concentration samples and shorter 10 minute 90TO270@35C GC methods. An "IRD3 EXT" method will additionally be added and performance checked on Curie. Due to the length of the column being 5 meters, the GC-MS Calibration Standard Mix (GC-MS Mix) will be run as the monthly standard check with each standard's wavenumbers evaluated and a new wavenumber evaluation worksheet will be created for both columns.

II. Materials:

Column & Liner:

Agilent J&W GC HP-5 5 meter column, 0.32 ID, 0.25 um film thickness (P/N #19091J-413 S/N #UST590142H)

Restek Topaz Split/Splitless Straight with wool liner

For Performance Check

Solvent and Standards:

Methanol - Lot# 211782 Bottle #2 Exp. u/c (in RH's area)

Amobarbital

K+K Labs Lot# 97692

MeOH 1 mg/mL Exp. 5-18-22

Bromazolam

Cayman Chemical Co. Lot# 054063-32

1 mg/mL MeOH Exp. 1-23-23

Buprenorphine

Cerilliant Lot#FE03191903

MeOH 1 mg/mL Exp. 6-30-2024

Carisoprodol

Alltech Lot# 311

MeOH Exp. 3-28-22

Fentanyl

USP Lot# 1275-F

MeOH 1 mg/mL Exp. 5/11/22

GC-MS Mix

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

Cocaine Base Merck Lot# U7472

Hydrocodone Merck Lot V1526

MeOH 10 mL Exp. 5/25/22

Heroin

Cerilliant Lot# FE6151603

Acetonitrile 1 mg/mL Exp. 12-1-22

Lorazepam

Sigma Lot#035F0115

MeOH 1 mg/mL Exp. 8-3-22

Mitragynine

Lipomed Lot 1610.1BO.2

MeOH 1 mg/mL Exp. 9-27-22

Modafinil

Cerilliant Lot# FE03122001

Acetonitrile 1 mg/mL Exp. 4-30-25

Nandrolone Decanoate

Steraloids Lot# B0901

MeOH 1 mg/mL Exp 8-3-22

N,N-Dimethyltryptamine (DMT)

Alltech Lot# 101

MeOH 1 mg/mL Exp. 11-15-22

Pentobarbital Sodium

K+K Lot# 2111-A

MeOH 1 mg/mL Exp. 5-18-22

Testosterone Benzoate

Sigma Lot# 49F0246

MeOH 1 mg/mL Exp. 2-9-23

Xylazine HCl

Sigma Aldrich Lot# BCBL9775V

MeOH 1 mg/1 mL Exp. 3-1-23

III. Methods/Procedures:

The following standards were run with corresponding methods on Curie

(Agilent/ASAP Analytical IRD3 GC-FTIR):

The “IRD3” and “IRD3 EXT” methods on the ASAP Analytical IRD3 were used in conjunction with all Agilent GC methods. See Addendum for detailed method information.

Performance Check of GC and IRD3 Methods

Split Autosample – 1 mg/mL

90TO270@35C – Xylazine, Fentanyl, Heroin

90TO270@35C(20MIN) – N,N DMT, Carisoprodol

90TO270 – Lorazepam, Amobarbital, GC-MS Mix

90TO270(20MIN) – Pentobarbital, GC-MS Mix

200TO270 – Modafinil, Buprenorphine

200TO270(20MIN) – Testosterone Benzoate, Mitragynine

200TO270(30MIN) – Nandrolone Decanoate, Bromazolam

Splitless Autosample – 1 mg/mL

SL90TO270@35C – Xylazine, Fentanyl, Heroin

SL90TO270@35C(20MIN) – N,N DMT, Carisoprodol

SL90TO270 – Lorazepam, Amobarbital

SL90TO270(20MIN) – Pentobarbital, GC-MS Mix

SL200TO270 – Modafinil, Buprenorphine

SL200TO270(20MIN) – Testosterone Benzoate, Mitragynine

SL200TO270(30MIN) – Nandrolone Decanoate, Bromazolam

Split Manual – 1 mg/mL

MAN90TO270@35C – Heroin

MAN90TO270@35C(20MIN) – N,N DMT

MAN90TO270 – Lorazepam

MAN90TO270(20MIN) – Pentobarbital

MAN200TO270 – Buprenorphine

MAN200TO270(20MIN) – Testosterone Benzoate

MAN200TO270(30MIN) – Nandrolone Decanoate

Performance Check of GC and IRD3 EXT Methods

Split Autosample – 1 mg/mL

90TO270@35C – Xylazine

90TO270@35C(20MIN) – N,N DMT

90TO270 – Amobarbital

90TO270(20MIN) – Pentobarbital

200TO270 – Modafinil

200TO270(20MIN) – Testosterone Benzoate

200TO270(30MIN) – Nandrolone Decanoate

Splitless Autosample – 1 mg/mL

SL90TO270@35C – Heroin

SL90TO270@35C(20MIN) – Carisoprodol

SL90TO270 – Lorazepam

SL90TO270(20MIN) – GC-MS Mix

SL200TO270 – Buprenorphine

SL200TO270(20MIN) – Mitragynine

SL200TO270(30MIN) – Bromazolam

IV. Experiment:

This instrument consists of an Agilent Technologies 8890 Gas Chromatograph with Agilent Autosampler G4513A coupled to an ASAP Analytical Model 528A IRD3 GC-FTIR. It was installed and set up by an ASAP Analytical service engineer. Existing ASAP Analytical IRD3's and Thermo GC-FTIR's in our laboratory were previously validated and run at varying conditions to determine optimum values to obtain the best results. For this instrument, standards were analyzed using the same type of column with previously validated methods on Hogwarts and GC/IR #1 in order to obtain their respective vapor phase IR spectra. In addition to previously validated methods, manual injection methods were re-introduced for hand injecting more sample volume for lower concentration samples and shorter 10 minute 90TO27035C methods using split and splitless autosample, and split manual GC methods. An "IRD3 EXT" method will additionally be added and performance checked on Curie. Any GC autosample methods created were set in Agilent to an injection volume of 1uL and manual injections were set at 1uL.

A Performance Check of Methods was performed by the following:

A. Performance Check of Methods- Cerilliant, Cayman, USP, Sigma, K & K Labs, Merck, S.B. Pennick, Alltech, Lipomed, Steraloids chemical standards companies were used. The following standards were analyzed: Lorazepam, Nandrolone Decanoate, Xylazine, Testosterone Benzoate, Modafinil, N, N DMT, Fentanyl, Pentobarbital, Heroin, Amobarbital, Mitragynine, Carisoprodol, Burprenorphine, Bromazepam, and the GC-MS Mix (Pethidine, Cocaine, and Hydrocodone). These standards were analyzed using various methods that have previously been validated with the exception of an additional 90TO270C@35C method that shortens the length of run time of the 90TO270@35C(20MIN) method to 10 minutes and manual methods that were re-introduced to allow hand injecting more sample volume for low concentration samples. A HP-5 5 meter column, 0.32 ID, 0.25 um film thickness was utilized which is the same type of column that had methods previously validated on GC/IR #1 and Hogwarts. Blanks were run before each standard under the same method parameters of the standard. The GC-MS standard mix was used to demonstrate separation between different compounds, however, when analyzing complex mixtures and/or closely eluting compounds it is not recommended to perform sample analysis on this type of column due to its 5 meter length and thinner film thickness. For analysis of complex mixtures and/or closely eluting samples, Hedwig or Aslan GC-FTIR's would be the recommended instrumentation due to their HP-1 30 meter column, 0.32 ID, 1.00 um film thickness that would be more optimal for separation of complex mixtures and closely eluting compounds. The "IRD3 EXT" method was created with an IR range of 550-4000 cm⁻¹ after running standards by "IRD3" method using split and splitless autosample and manual injection GC methods, standards were run by a series of split and splitless autosample GC methods in conjunction with the "IRD3 EXT" method. These standards were then compared to the "Project EUCLiD" database and any spectra that wasn't able to be obtained from the database was compared to known standard spectra from other Forensic Laboratories when available. Standards that had not yet been previously run were added to the "TBI GCIR EXT" library and added to the spreadsheet of standards that have been run and verified by the "IRD3 EXT" method. Due to the length of the column being 5 meters on Curie, the GC-MS Mix was run as the monthly standard check with each standard's wavenumbers evaluated and a new wavenumber evaluation worksheet was created for both columns.

V. Results and Discussion:

For Performance Check of Methods, Curie demonstrated well-defined peaks and distinguishable spectra that can be differentiated and compared to known standards in our TBI GC-FTIR library. Due to carryover of Pentobarbital, several standards (Amobarbital, Fentanyl, Heroin, Lorazepam, GC-MS Mix) had to be rerun after maintenance was performed and a new liner was installed. Additionally, the GC-MS mix was rerun using the 90TO270(20MIN) method to performance check each GC autosample method with at least two standards on Curie. The instrument stopped on sequence location 11 for the splitless autosample sequence run due to the data file for “Blank for N,N DMT” not having the date and timestamp “\$(date)” added to its data file. It is recommended to always use the date and timestamp for naming of your data files for this purpose. Several compounds such as the Bromazolam and Burprenorphine demonstrated lower instrument responses at 1 mg/mL using GC split and splitless autosampling and may need to be more concentrated, hand injected with more sample volume, or analyzed on different instrumentation for confirmation. Due to their interactions within the column, Pethidine and Xylazine have less optimal chromatography, but provided comparable spectra to known standards. Due to the thermal breakdown of Modafinil to Diphenylmethanol when injecting by GC-MS or GC-IR, other instrumentation such as ATR-FTIR or LC-MS may need to be used for confirmation. The first initial peak of Modafinil is the breakdown of Modafinil to Diphenylmethanol and the second later eluting peak is Modafinil. However, due to the short column on Curie the first initial peak of Diphenylmethanol is cut off (See Modafinil standard that was run on Aslan for more information). Due to the length of the column being 5 meters on Curie, the GC-MS Mix will be run as the monthly standard check with each standard’s wavenumbers evaluated and a new wavenumber evaluation worksheet was created for both columns. The GC-MS Mix had to be rerun after maintenance was performed and a new liner was installed due to initial carryover of Pentobarbital. All standards within each autosample, splitless autosample, and manual GC methods in conjunction with “IRD3” and “IRD3 EXT” methods eluted within the allotted time frame and temperature program, had resolved peaks, and demonstrated spectra that were comparable to known standards in the TBI GC-FTIR library, “Project EuCLiD” database, or other Forensic Laboratory Spectra when available. See attached data for results.

Optical alignment values were monitored since the installation of the ASAP Analytical IRD3 Instrument Curie, and any necessary alignment and instrument inlet maintenance was performed prior to analyzing standards. The chart below outlines results obtained.

Date	Optical Alignment Value
03/03/22	2.37
03/04/22	2.42
03/05/22	2.48
03/07/22	2.54, 2.52
03/08/22	2.52
03/14/22	2.54

VI. Conclusions:

After a Performance Check of Methods, including the “IRD3 EXT” method on Curie, the ASAP Analytical IRD3 instrument showed comparable results in instrument responses and to existing TBI GC-FTIR libraries, the Project EuCLiD database, and other Forensic Laboratories. The instrument can now be verified as fit for use with analyst’s familiarization and use of instrument.

VII. References:

References:

Introduction to Infrared and Raman Spectroscopy, Colthup, Daly, Wiberley, Academic Press, 2nd Edition, 1975.

Project EUCLiD, ASAP Analytical, v1-0-2-1, 2021.

IRD3 ASIC Manual Rev. 1-4.doc4 pages 1-33.

Essential FTIR Operations Manual for GC IRD User Rev. 0-44 pages 1-36

VIII. Training:

Familiarization of the new Agilent GC and ASAP Analytical IRD3 software has previously been discussed and demonstrated with analysts on IRD3's Hedwig and Aslan, however, further instruction will be given about the limitations of certain mixtures in using a shorter column and thinner film thickness with this instrument. ASAP Analytical instructional manuals are available as well as operating procedures that have been created for this instrument. All analysts will review the performance check and updated policies and procedures pertaining to this instrument prior to use.

IX. Competency Tests:

Prior knowledge and competency of existing GC-FTIR's are a part of the Forensic Chemistry training program and will not be required or necessary for the Validation Study/Performance Check of this instrument. Familiarization of the new Agilent GC and ASAP Analytical IRD3 instrumentation and software will be implemented as part of the Forensic Chemistry training program and GC-FTIR competency.

Sequence Name: STANDARDS (RERUN) PC 3-7-22

MA

Sample Path: C:\ASAP DATA\PERFORMANCE CHECK\STANDARDS (RERUN)

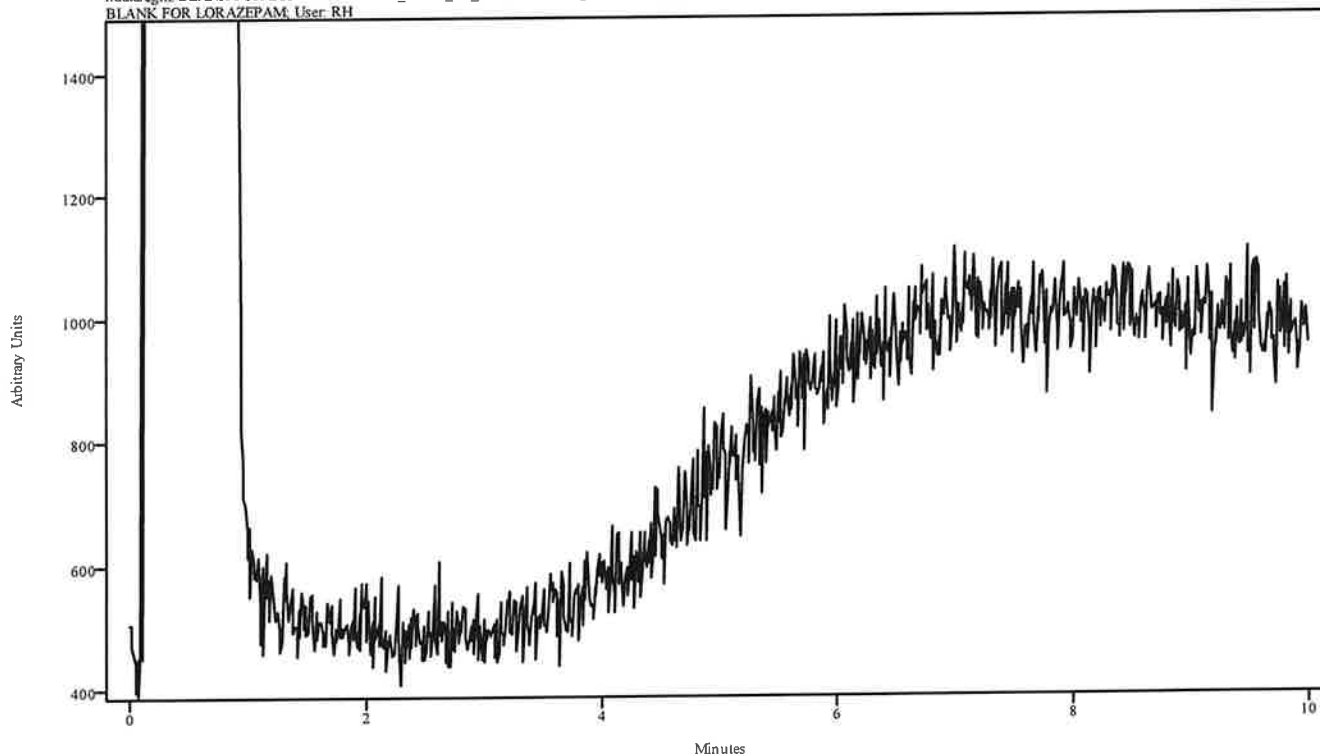
Type	IRD Method	GC Method	Vial	Sample ID	Data File	Solvent/Extract	Instrument ID
1	IRD3	SL90TO270	1	BLANK FOR	BLANK FOR	MEOH	CURIE
2	IRD3	SL90TO270	3	LORAZEPAM	LORAZEPAM	MEOH	CURIE
3	IRD3	SL90TO270@	2	BLANK FOR	BLANK FOR	MEOH	CURIE
4	IRD3	SL90TO270@	9	FENTANYL	FENTANYL \$	MEOH	CURIE
5	IRD3	SL90TO270@	2	BLANK FOR	BLANK FOR	MEOH	CURIE
6	IRD3	SL90TO270@	11	HEROIN	HEROIN \$(D	ACETONITRILE	CURIE
7	IRD3	SL90TO270	2	BLANK FOR	BLANK FOR	MEOH	CURIE
8	IRD3	SL90TO270	12	AMOBARBITA	AMOBARBITA	MEOH	CURIE
9	IRD3	90TO270@35	2	WASH	WASH \$(DAT	MEOH	CURIE
10	IRD3	90TO270@35	2	WASH2	WASH2 \$(DA	MEOH	CURIE
11	IRD3	90TO270@35	2	BLANK FOR	BLANK FOR	MEOH	CURIE
12	IRD3	90TO270@35	9	FENTANYL	FENTANYL \$	MEOH	CURIE
13	IRD3	90TO270@35	2	BLANK FOR	BLANK FOR	MEOH	CURIE
14	IRD3	90TO270@35	11	HEROIN	HEROIN \$(D	ACETONITRILE	CURIE
15	IRD3	90TO270(20	2	BLANK FOR	BLANK FOR	MEOH	CURIE
16	IRD3	90TO270(20	17	GCMS MIX	GCMS MIX \$	MEOH	CURIE
17	IRD3	90TO270	2	BLANK FOR	BLANK FOR	MEOH	CURIE
18	IRD3	90TO270	12	AMOBARBITA	AMOBARBITA	MEOH	CURIE

YH

IRD Data Analysis Report

Data Filename	BLANK FOR LORAZEPAM 2022_March_07_155751
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/STANDARDS (RERUN)
IRD Method	IRD3
GC Method	SL90TO270
GC Vial	1
Sample Name	BLANK FOR LORAZEPAM
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 07 16:10:17 2022
Date Processed	Tue Mar 08 08:24:20 2022

irdata.cgm: BLANK FOR LORAZEPAM 2022_March_07_155751 | irdata.cgm: Misc. Info: MEOH:CURIE; Sample: BLANK FOR LORAZEPAM; User: RH

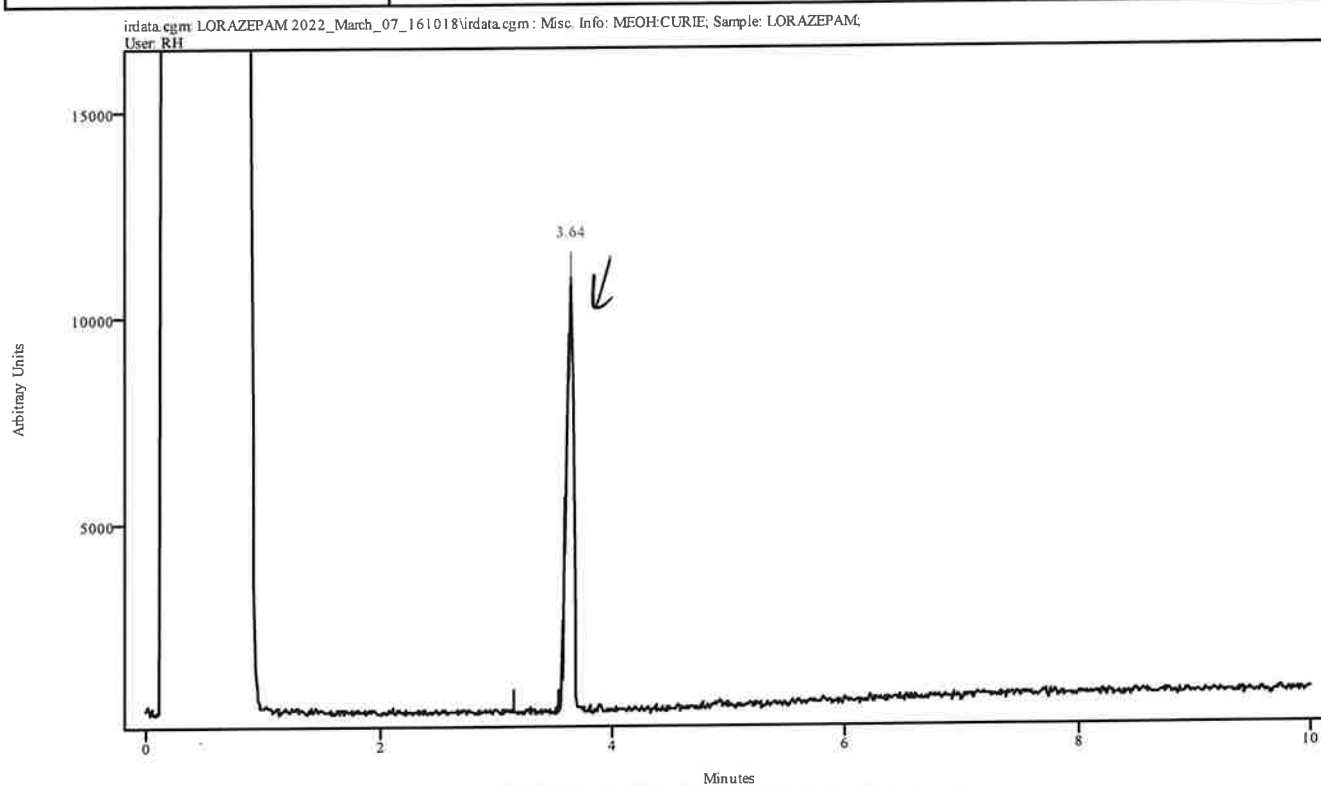


Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

MA

IRD Data Analysis Report

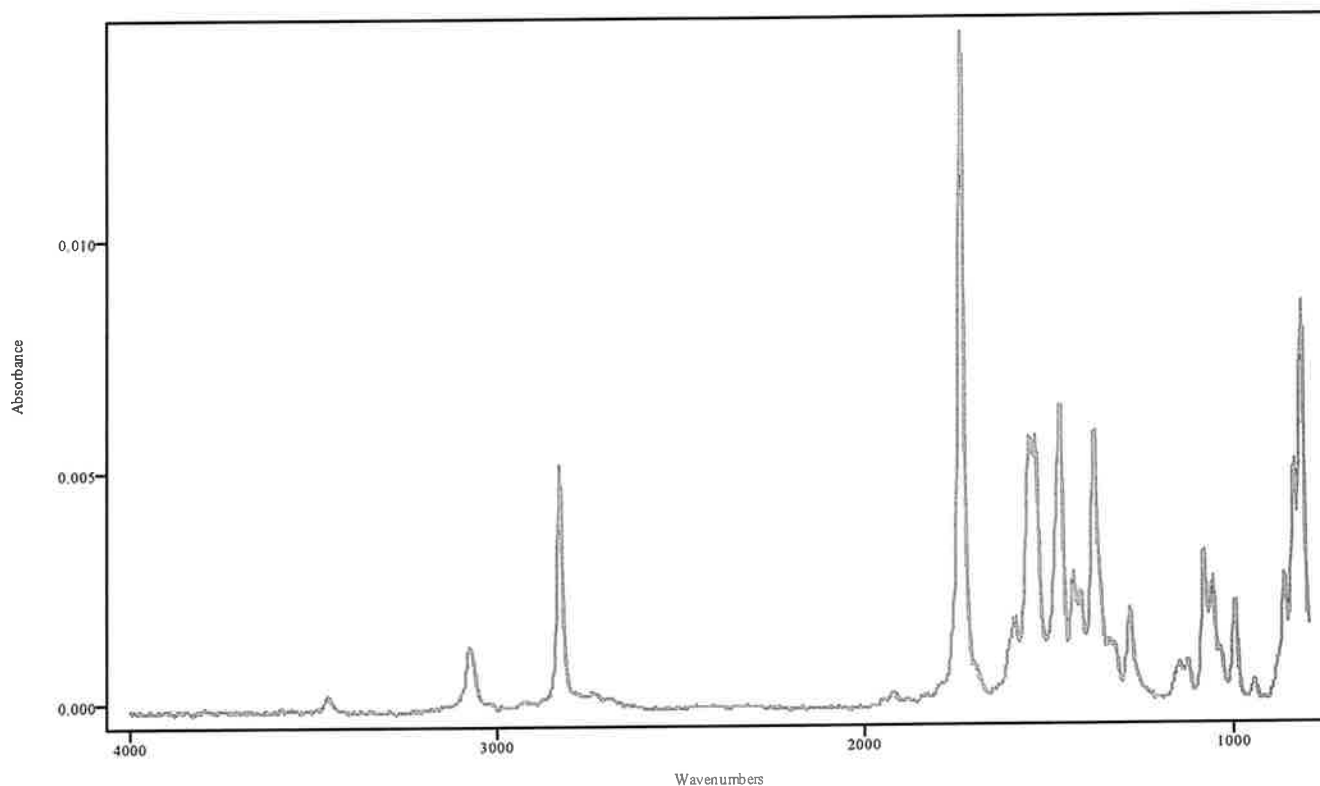
Data Filename	LORAZEPAM 2022_March_07_161018
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/STANDARDS (RERUN)
IRD Method	IRD3
GC Method	SL90TO270
GC Vial	3
Sample Name	LORAZEPAM
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 07 16:26:34 2022
Date Processed	Tue Mar 08 08:24:47 2022



Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.583	3.671	0.088	3.144	3.539

MA

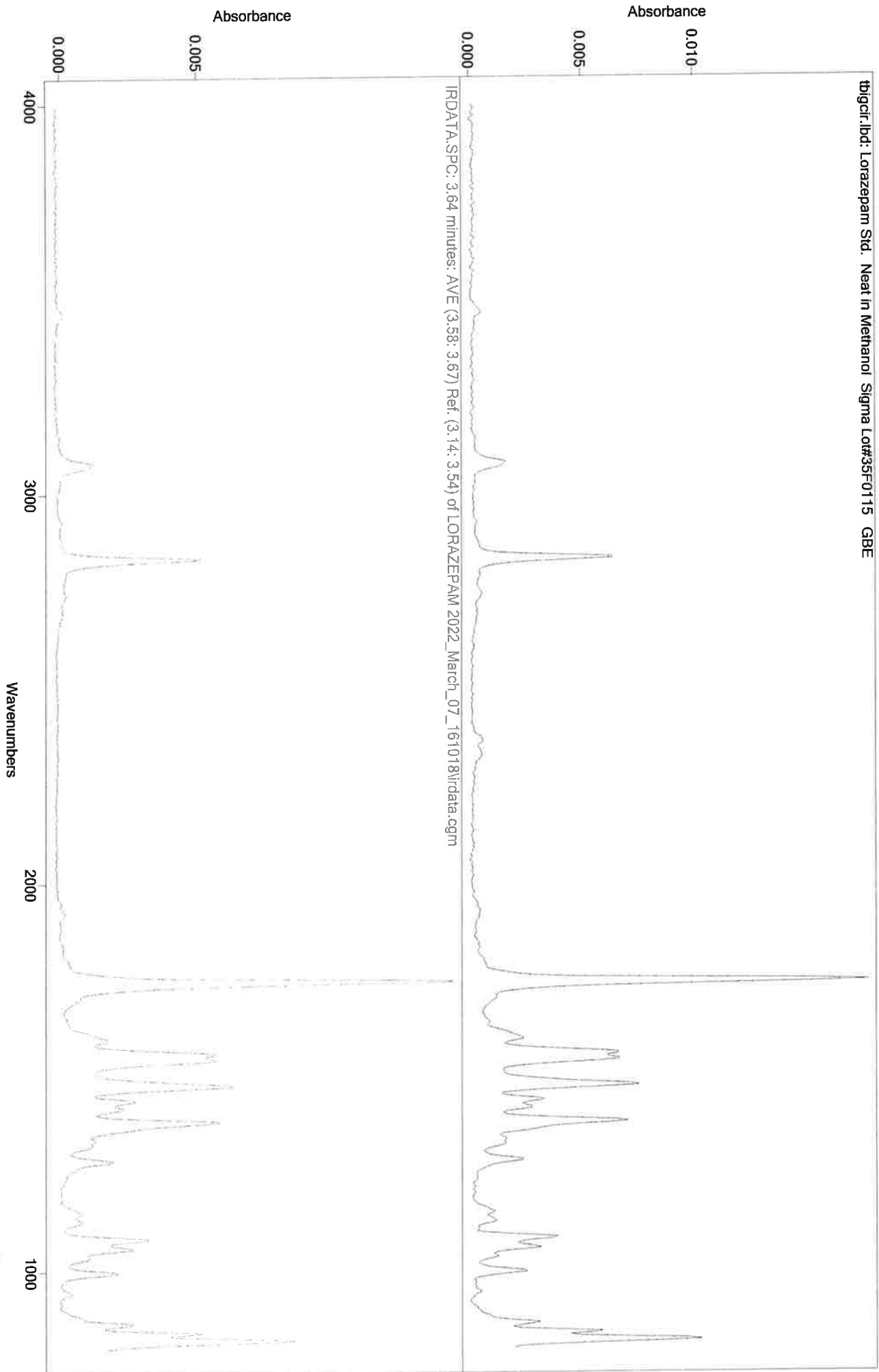
Data Filename	LORAZEPAM 2022_March_07_161018
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/STANDARDS (RERUN)
IRD Method	IRD3
GC Method	SL90TO270
GC Vial	3
Sample Name	LORAZEPAM
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 07 16:26:34 2022
Date Processed	Tue Mar 08 08:24:47 2022



IRDATA.SPC: 3.64 minutes: AVE (3.58: 3.67) Ref. (3.14: 3.54) of LORAZEPAM
2022_March_07_161018.cgm

Lorazepam

CH

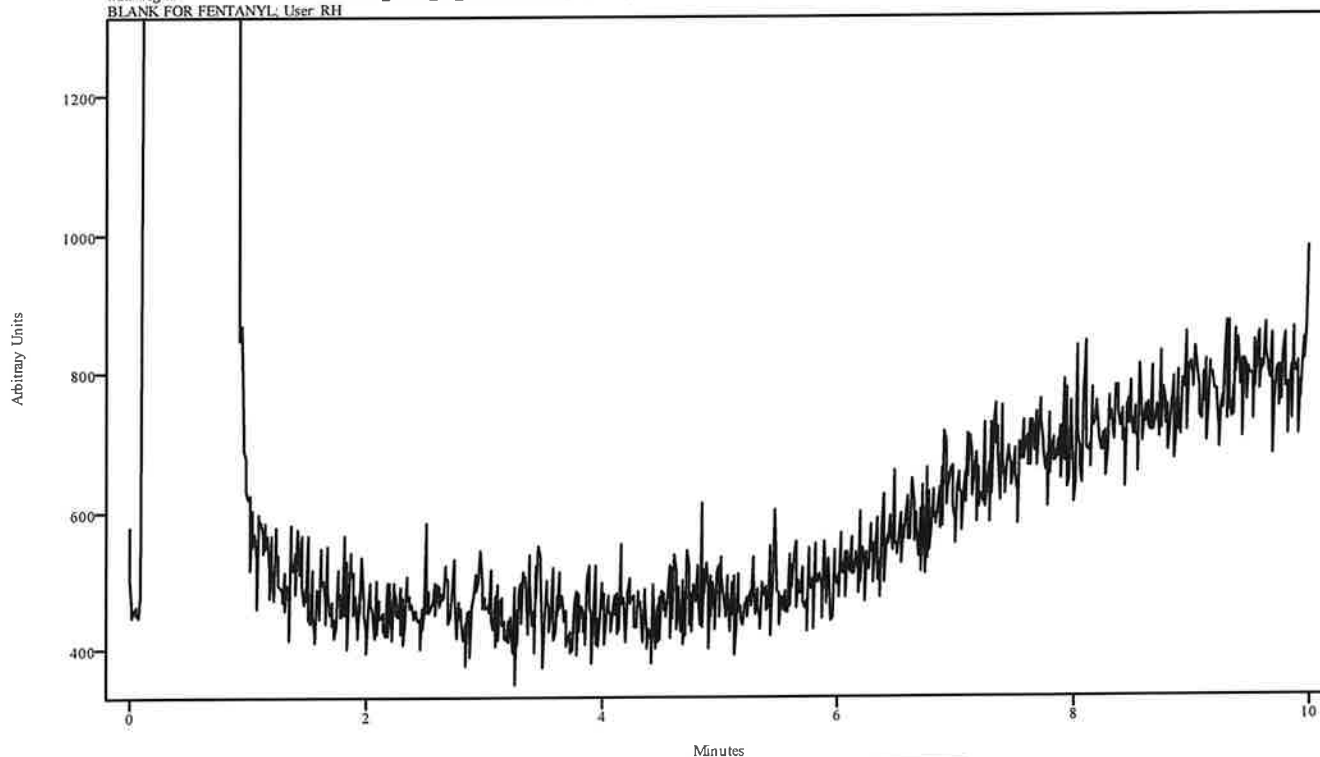


gfk

IRD Data Analysis Report

Data Filename	BLANK FOR FENTANYL2022_March_07_162634
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/STANDARDS (RERUN)
IRD Method	IRD3
GC Method	SL90TO270@35C
GC Vial	2
Sample Name	BLANK FOR FENTANYL
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 07 16:42:51 2022
Date Processed	Tue Mar 08 08:22:42 2022

irdata.cgm: BLANK FOR FENTANYL2022_March_07_162634\irdata.cgm : Misc. Info: MEOH:CURIE; Sample: BLANK FOR FENTANYL; User: RH

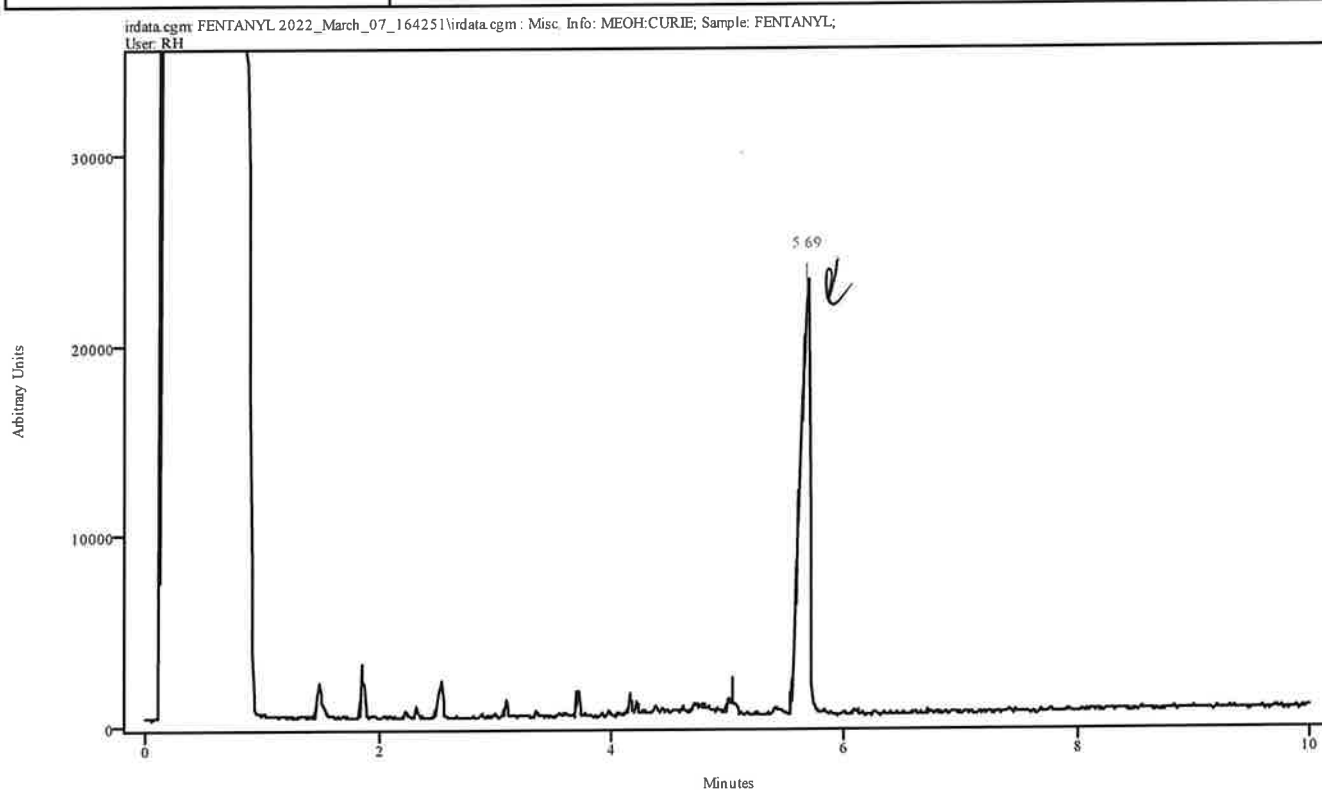


Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

IRD Data Analysis Report

[Handwritten signature]

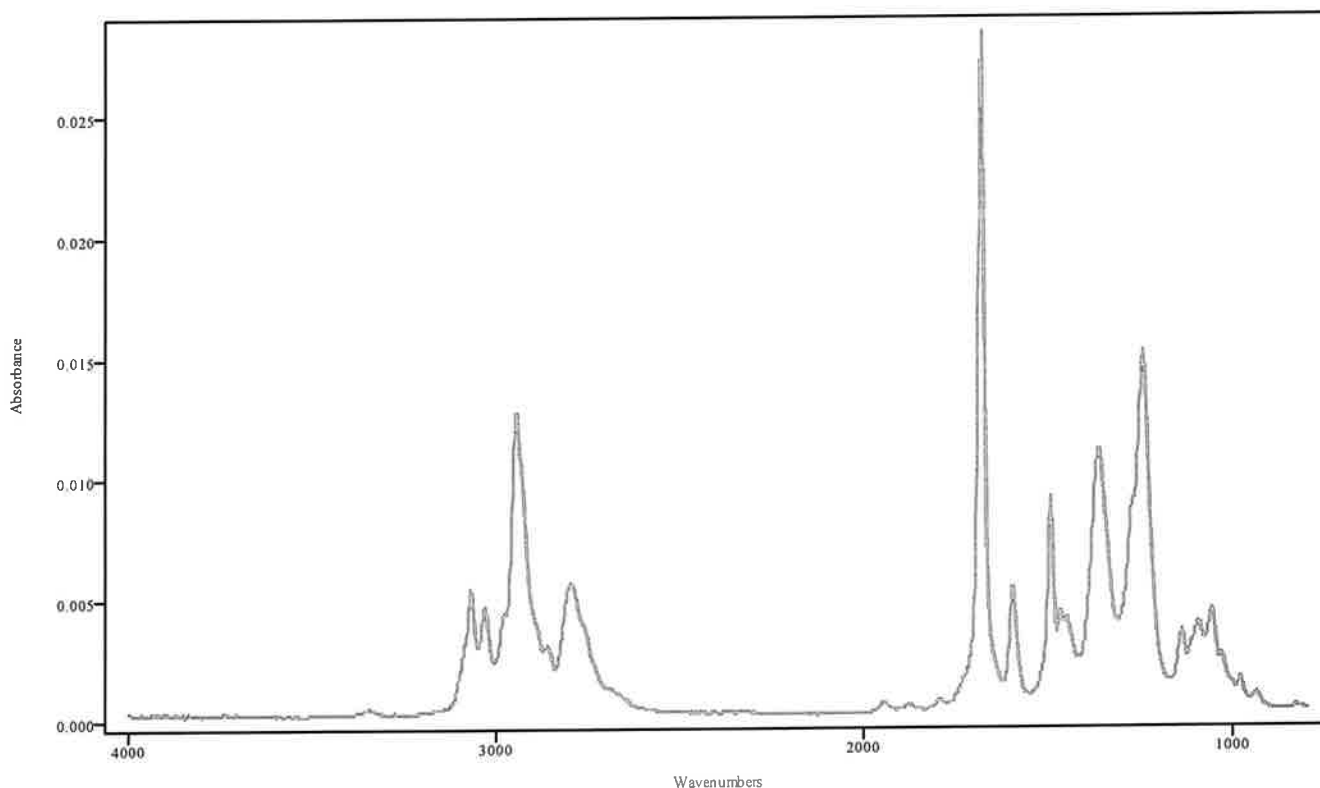
Data Filename	FENTANYL 2022_March_07_164251
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/STANDARDS (RERUN)
IRD Method	IRD3
GC Method	SL90TO270@35C
GC Vial	9
Sample Name	FENTANYL
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 07 16:59:07 2022
Date Processed	Tue Mar 08 08:23:10 2022



Peak Start	Peak End	Peak Width	Reference Start	Reference End
5.610	5.720	0.110	5.051	5.533

MH

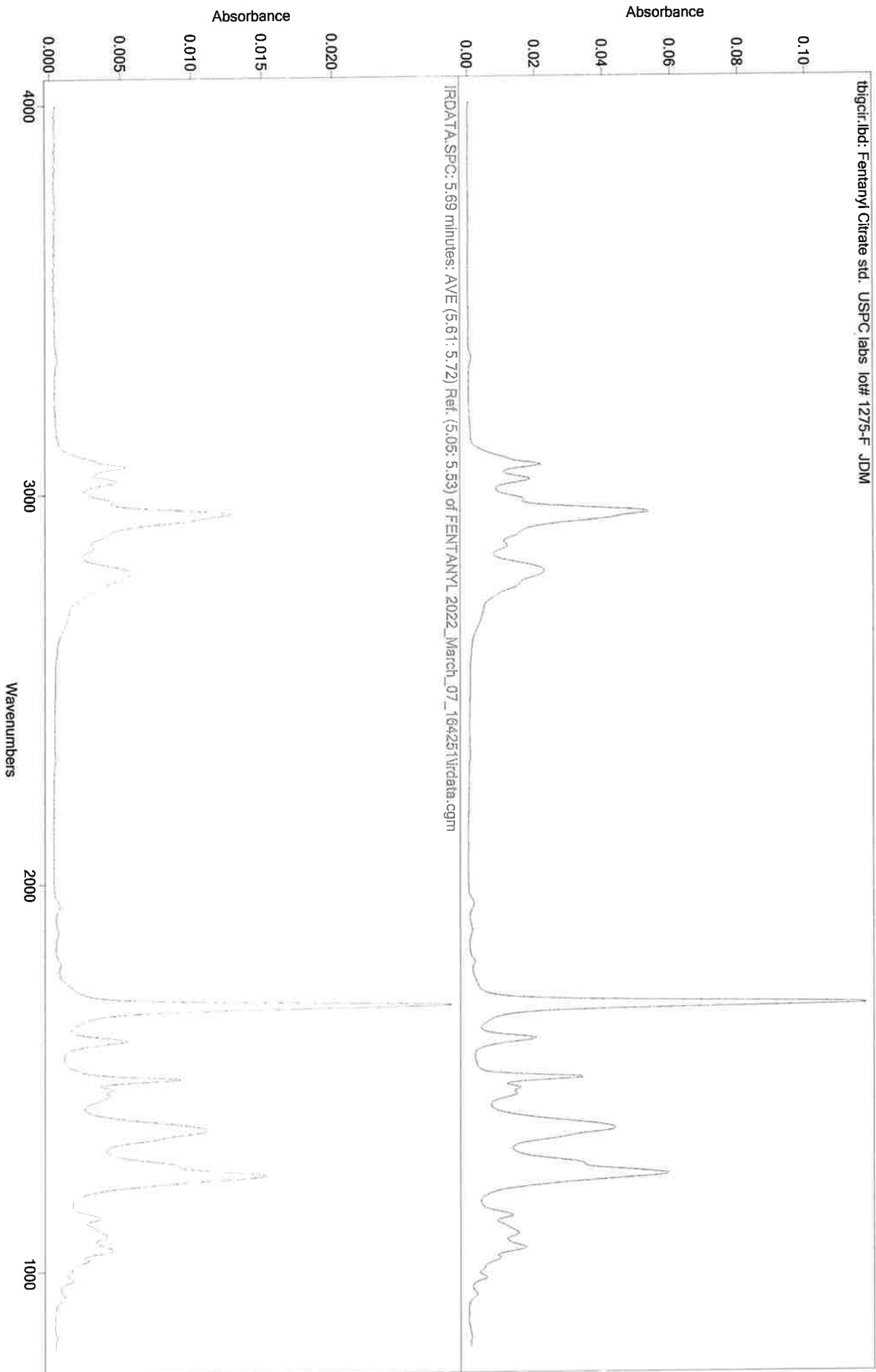
Data Filename	FENTANYL 2022_March_07_164251
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/STANDARDS (RERUN)
IRD Method	IRD3
GC Method	SL90TO270@35C
GC Vial	9
Sample Name	FENTANYL
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 07 16:59:07 2022
Date Processed	Tue Mar 08 08:23:10 2022



IRDATA.SPC: 5.69 minutes: AVE (5.61: 5.72) Ref. (5.05: 5.53) of FENTANYL
2022_March_07_164251.cgm

Fentanyl

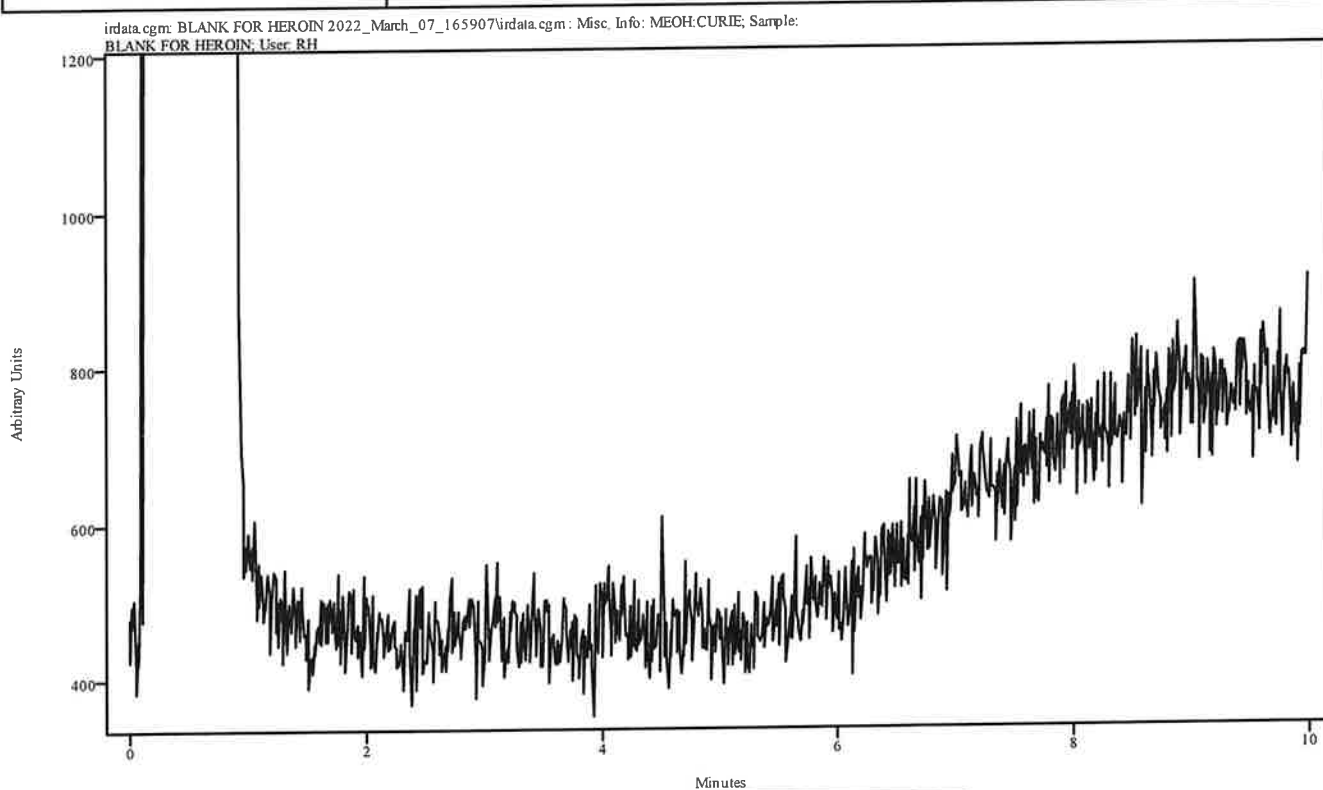
44



UH

IRD Data Analysis Report

Data Filename	BLANK FOR HEROIN 2022_March_07_165907
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/STANDARDS (RERUN)
IRD Method	IRD3
GC Method	SL90TO270@35C
GC Vial	2
Sample Name	BLANK FOR HEROIN
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 07 17:15:28 2022
Date Processed	Tue Mar 08 08:23:33 2022

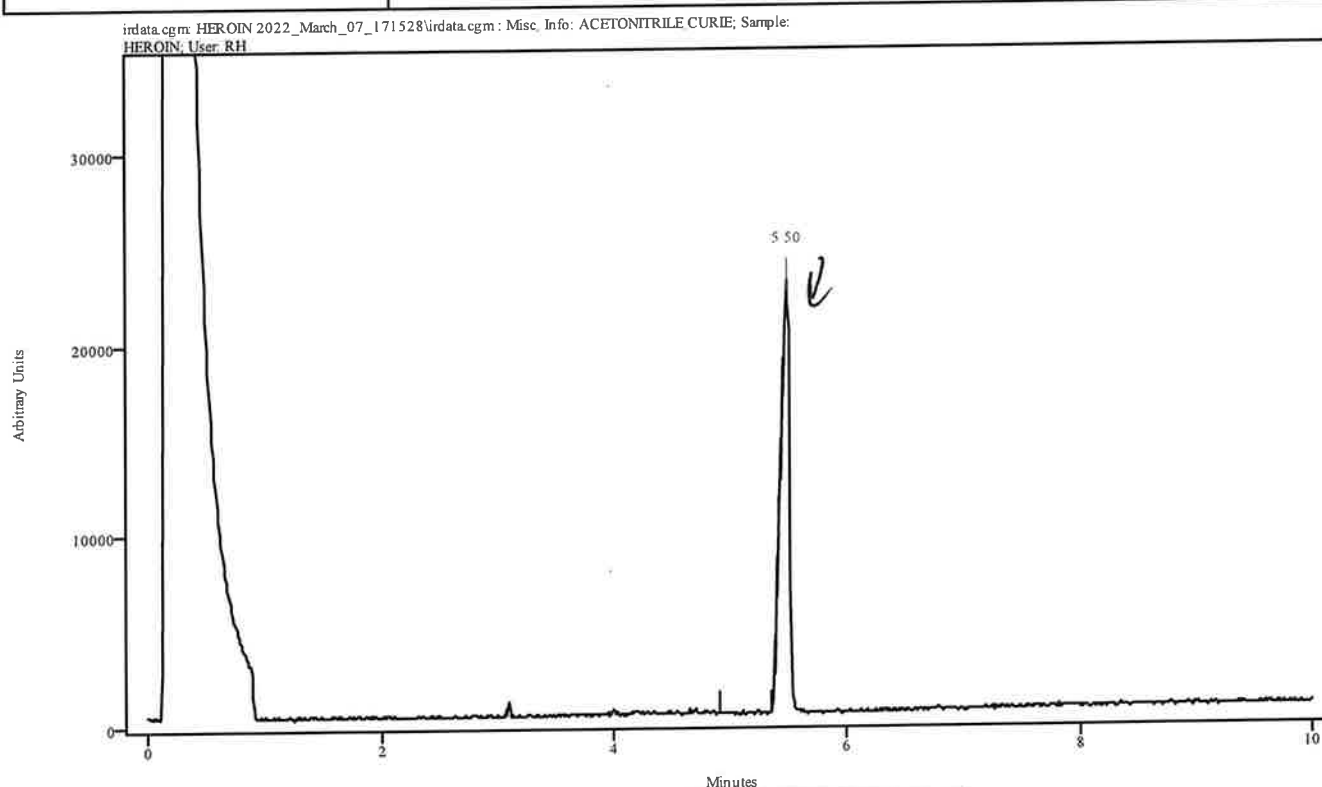


Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

IRD Data Analysis Report

RH

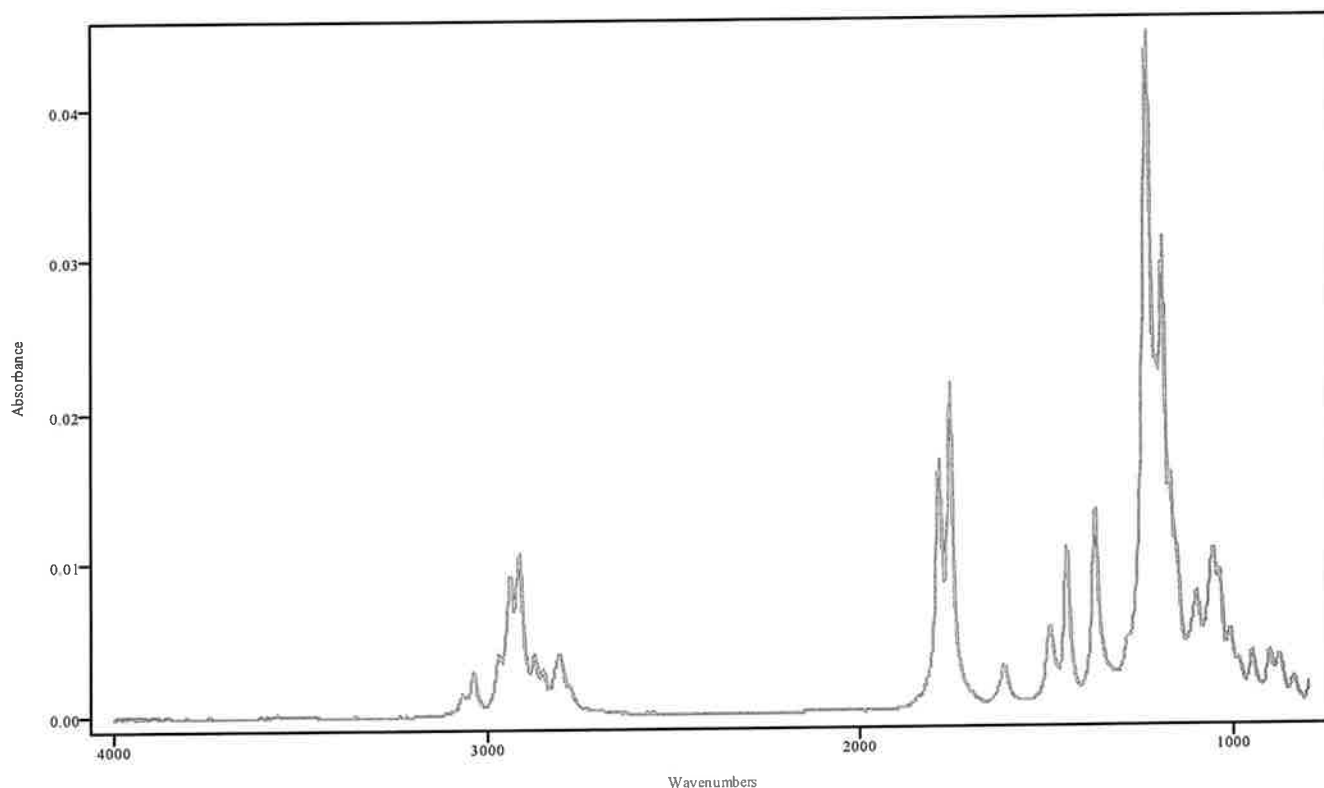
Data Filename	HEROIN 2022_March_07_171528
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/STANDARDS (RERUN)
IRD Method	IRD3
GC Method	SL90TO270@35C
GC Vial	11
Sample Name	HEROIN
Misc. Info	ACETONITRILE:CURIE
User ID	RH
Injection Time	Mon Mar 07 17:31:44 2022
Date Processed	Tue Mar 08 08:23:55 2022



Peak Start	Peak End	Peak Width	Reference Start	Reference End
5.429	5.528	0.099	4.913	5.353

MA

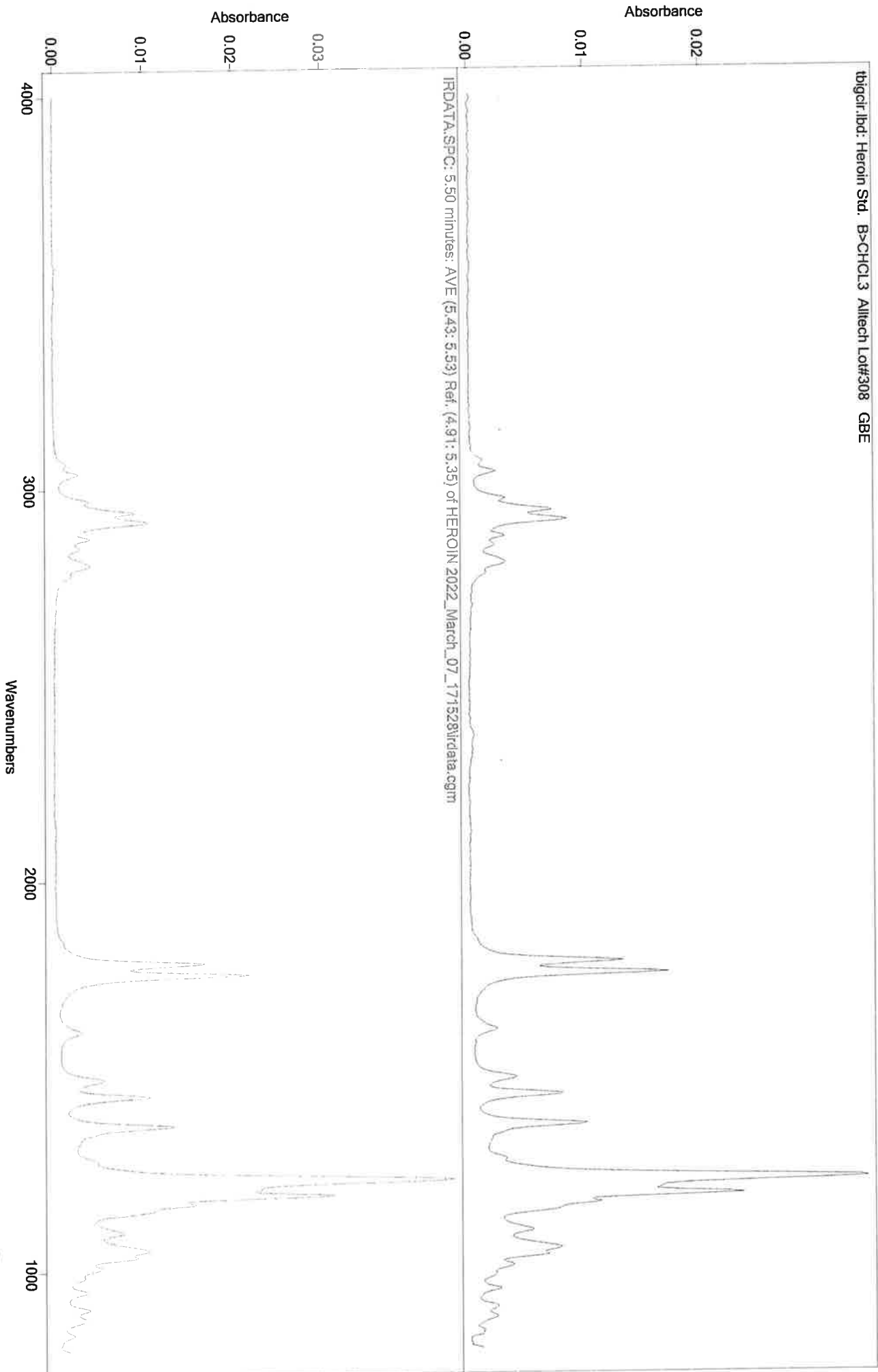
Data Filename	HEROIN 2022_March_07_171528
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/STANDARDS (RERUN)
IRD Method	IRD3
GC Method	SL90TO270@35C
GC Vial	11
Sample Name	HEROIN
Misc. Info	ACETONITRILE:CURIE
User ID	RH
Injection Time	Mon Mar 07 17:31:44 2022
Date Processed	Tue Mar 08 08:23:55 2022



IRDATA.SPC: 5.50 minutes: AVE (5.43: 5.53) Ref. (4.91: 5.35) of HEROIN
2022_March_07_171528.cgm

Heroin

44

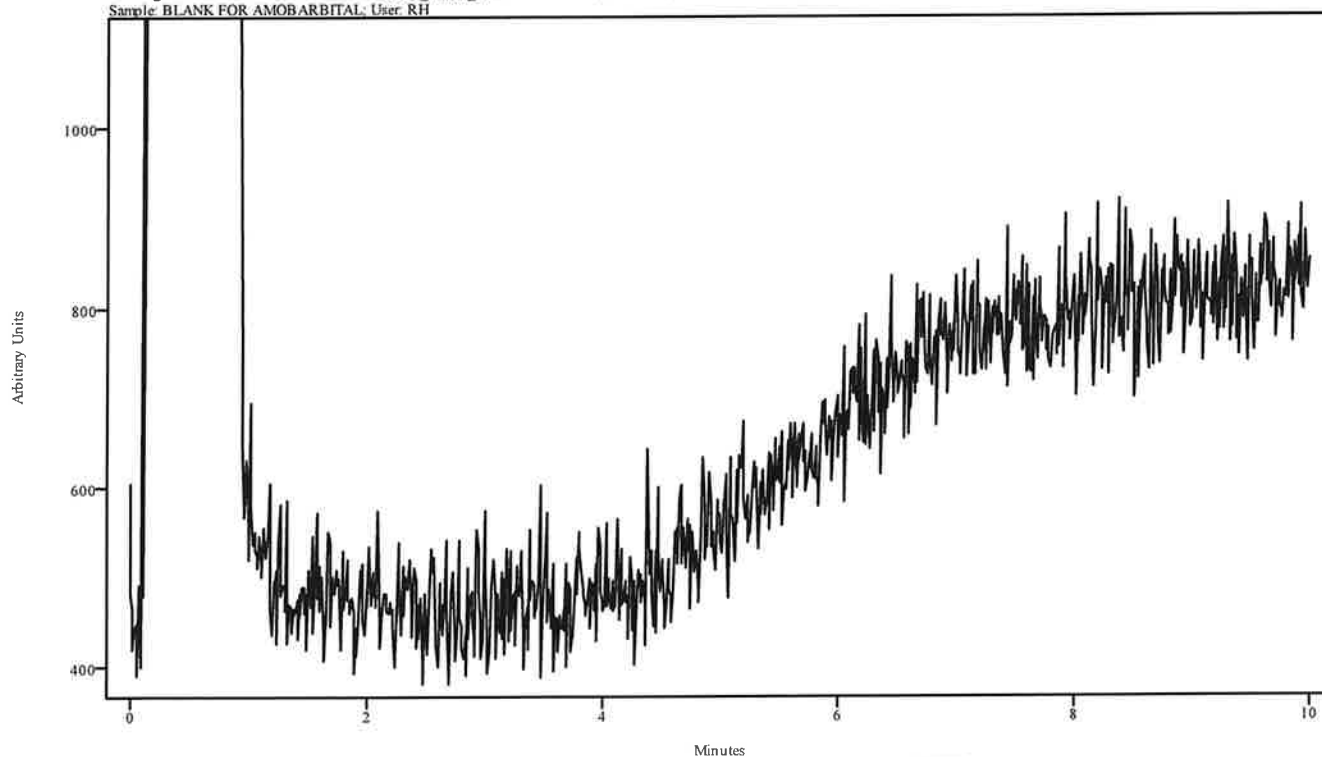


IRD Data Analysis Report

JH

Data Filename	BLANK FOR AMOBARBITAL 2022_March_07_173144
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/STANDARDS (RERUN)
IRD Method	IRD3
GC Method	SL90TO270
GC Vial	2
Sample Name	BLANK FOR AMOBARBITAL
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 07 17:48:01 2022
Date Processed	Tue Mar 08 08:21:15 2022

irdata.cgm: BLANK FOR AMOBARBITAL 2022_March_07_173144\irdata.cgm: Misc. Info: MEOH:CURIE;
Sample: BLANK FOR AMOBARBITAL; User: RH

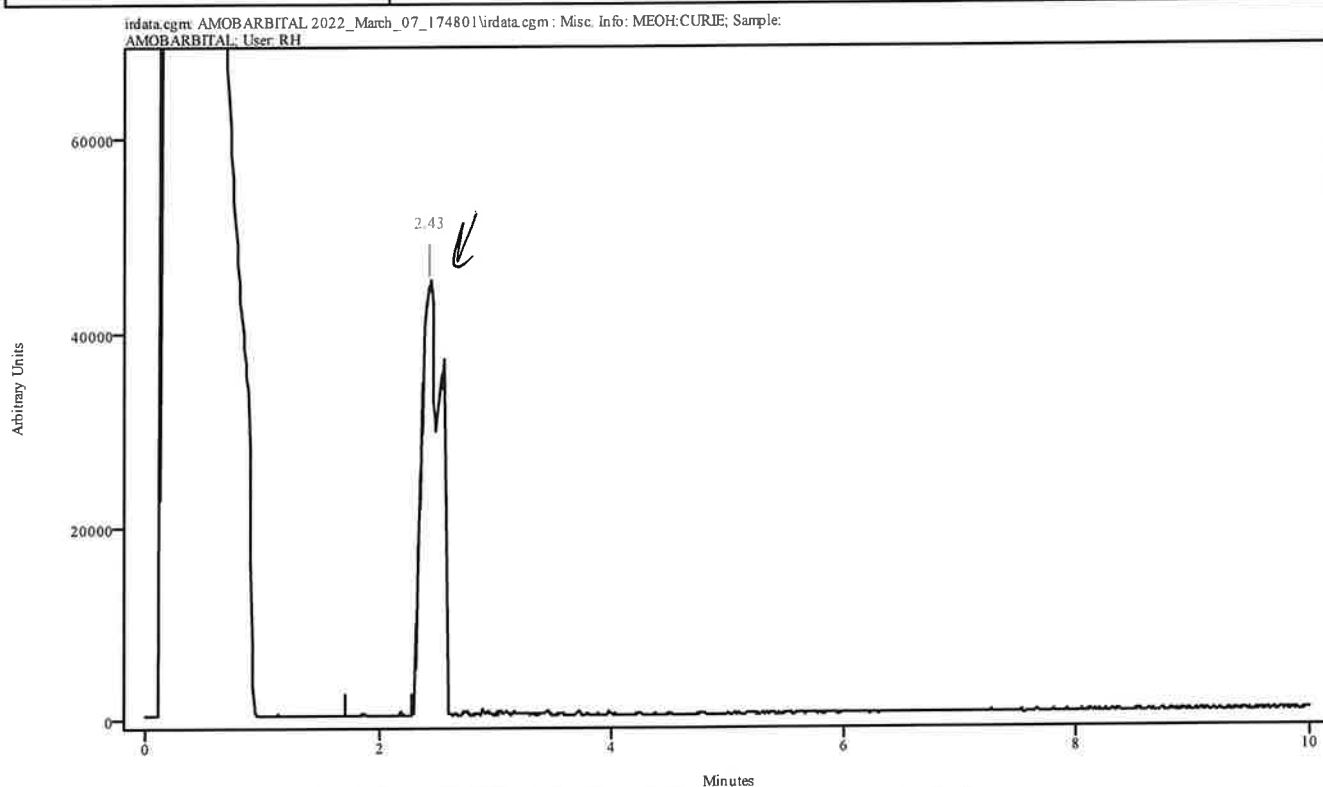


Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

Handwritten signature/initials.

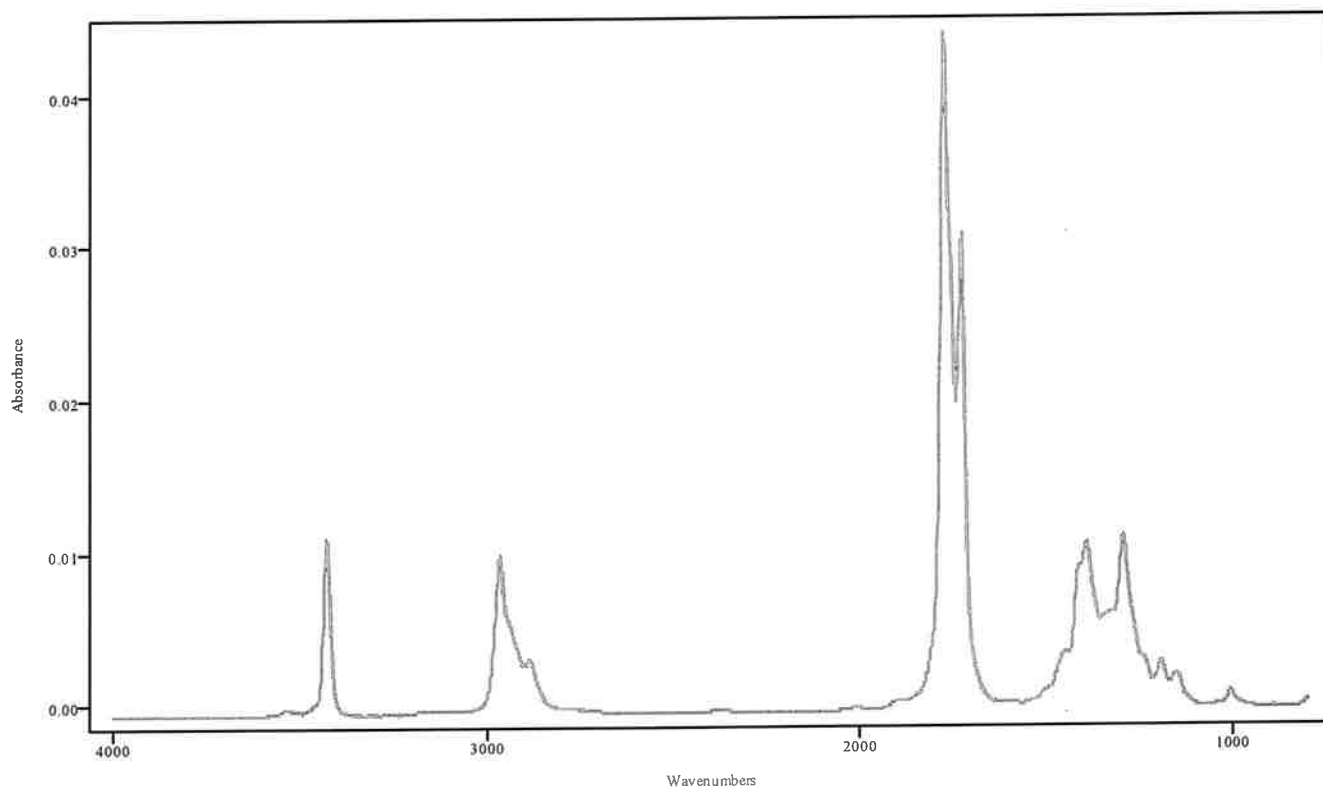
IRD Data Analysis Report

Data Filename	AMOBARBITAL 2022_March_07_174801
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/STANDARDS (RERUN)
IRD Method	IRD3
GC Method	SL90TO270
GC Vial	12
Sample Name	AMOBARBITAL
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 07 18:04:20 2022
Date Processed	Tue Mar 08 08:22:10 2022



Peak Start	Peak End	Peak Width	Reference Start	Reference End
2.334	2.575	0.241	1.710	2.280

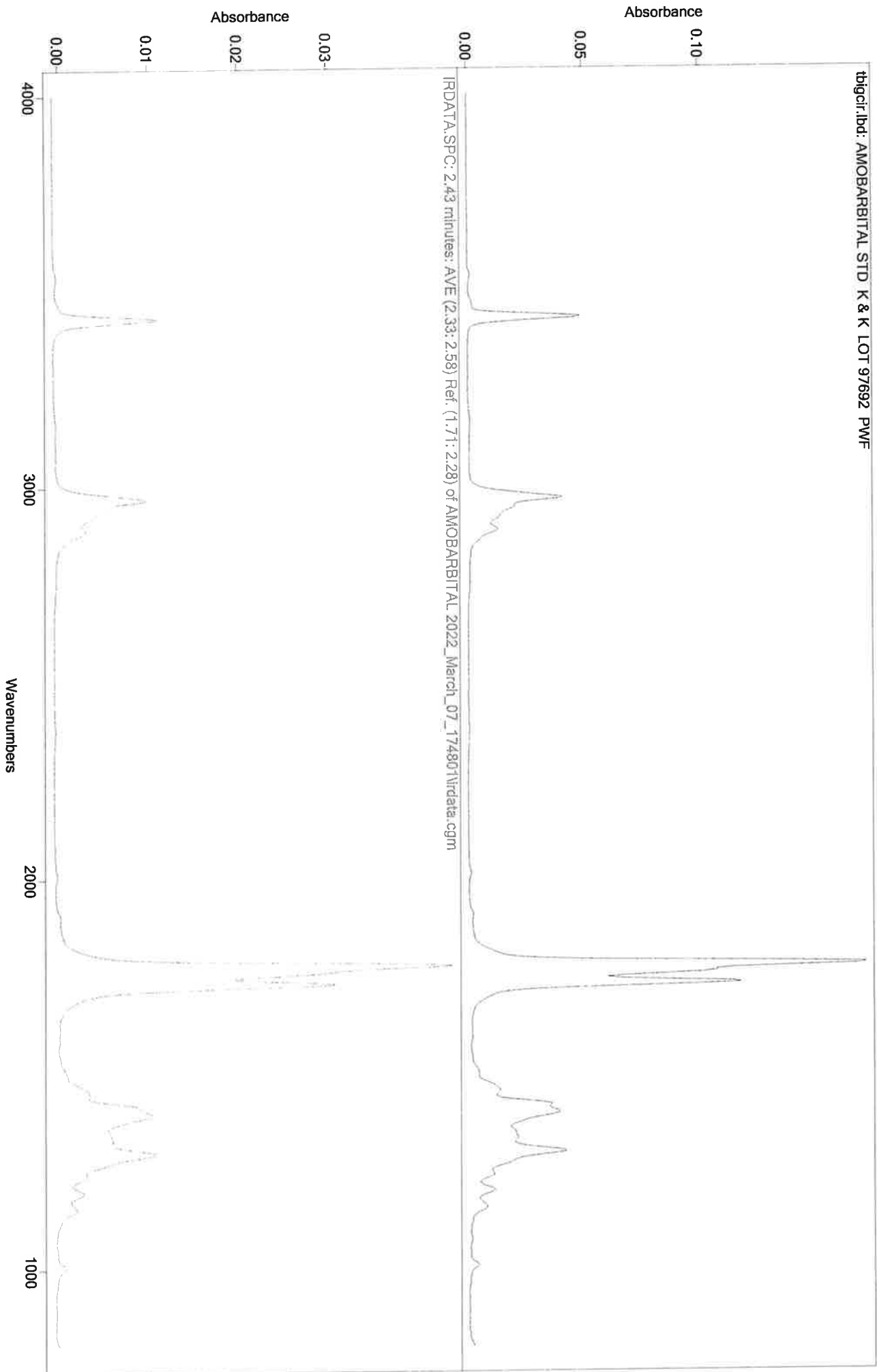
Data Filename	AMOBARBITAL 2022_March_07_174801
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/STANDARDS (RERUN)
IRD Method	IRD3
GC Method	SL90TO270
GC Vial	12
Sample Name	AMOBARBITAL
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 07 18:04:20 2022
Date Processed	Tue Mar 08 08:22:10 2022



IRDATA.SPC: 2.43 minutes: AVE (2.33: 2.58) Ref. (1.71: 2.28) of AMOBARBITAL
2022_March_07_174801.cgm

Amobarbital

CH

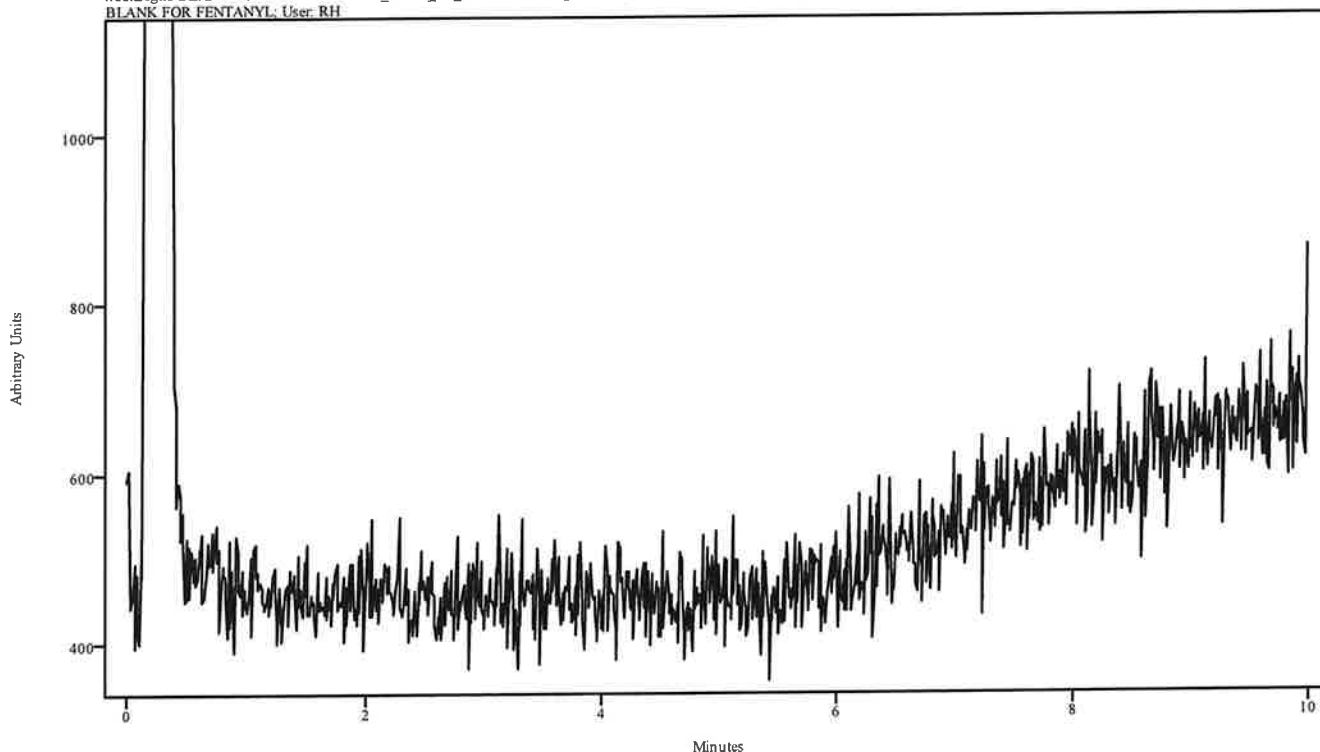


MA

IRD Data Analysis Report

Data Filename	BLANK FOR FENTANYL2022_March_07_185701
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/STANDARDS (RERUN)
IRD Method	IRD3
GC Method	90TO270@35C
GC Vial	2
Sample Name	BLANK FOR FENTANYL
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 07 19:13:23 2022
Date Processed	Tue Mar 08 08:26:13 2022

irdata.cgm: BLANK FOR FENTANYL2022_March_07_185701\irdata.cgm : Misc. Info: MEOH:CURIE; Sample: BLANK FOR FENTANYL; User: RH

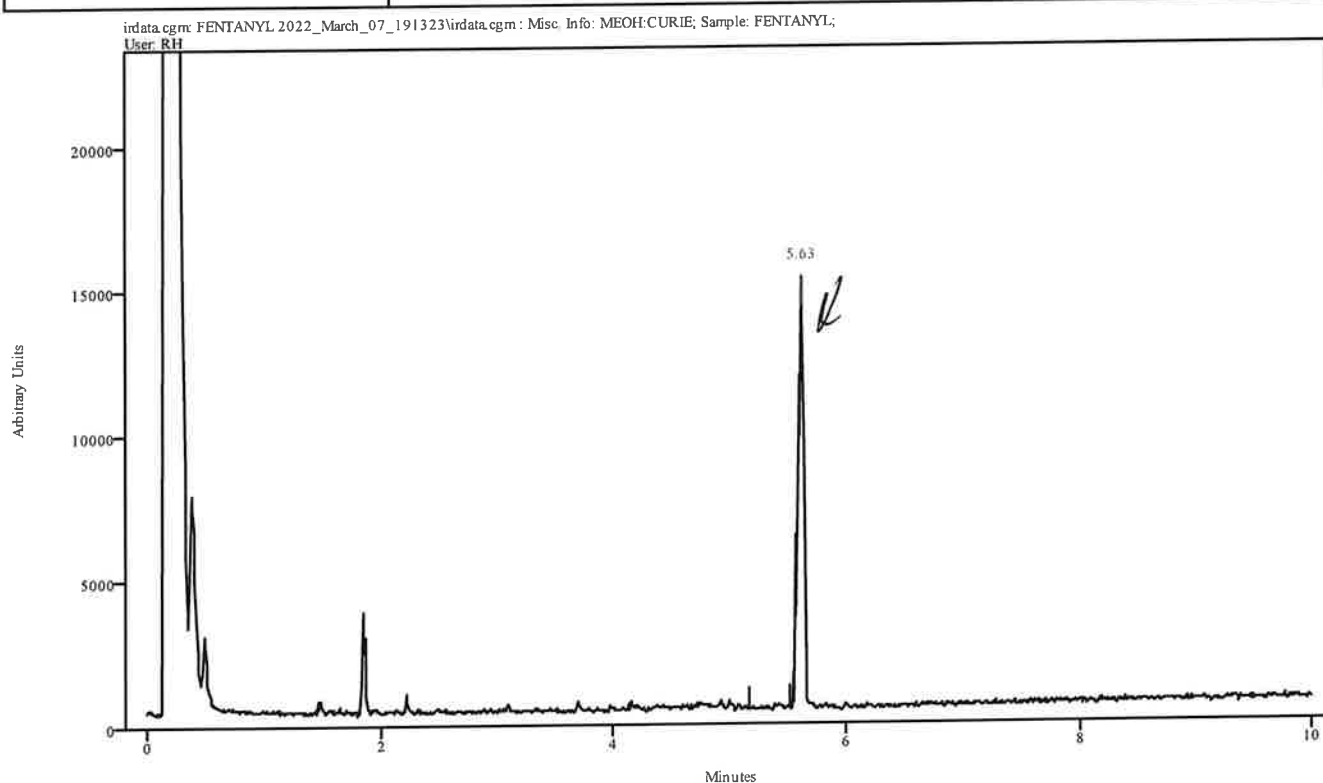


Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

CH

IRD Data Analysis Report

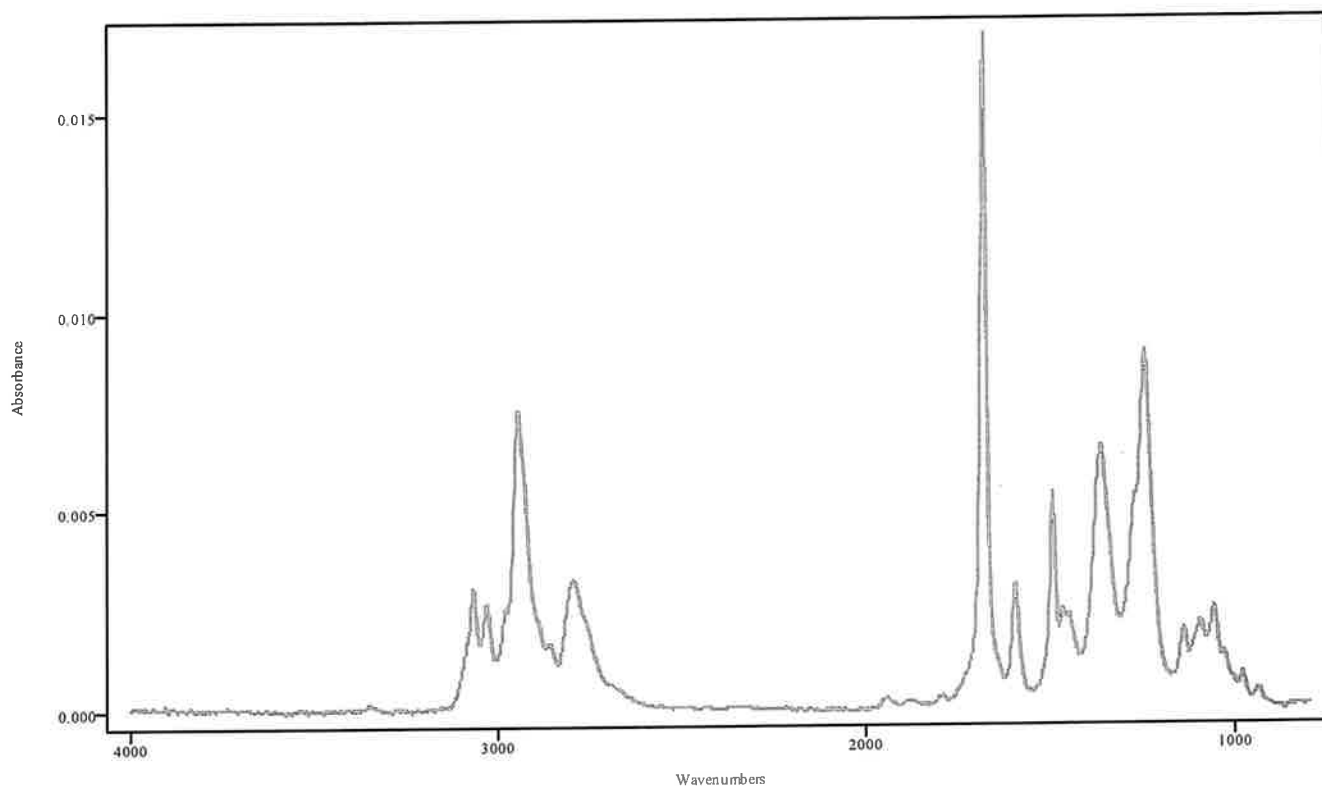
Data Filename	FENTANYL 2022_March_07_191323
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/STANDARDS (RERUN)
IRD Method	IRD3
GC Method	90TO270@35C
GC Vial	9
Sample Name	FENTANYL
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 07 19:29:44 2022
Date Processed	Tue Mar 08 08:27:08 2022



Peak Start	Peak End	Peak Width	Reference Start	Reference End
5.584	5.661	0.077	5.177	5.529

Data Filename	FENTANYL 2022_March_07_191323
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/STANDARDS (RERUN)
IRD Method	IRD3
GC Method	90TO270@35C
GC Vial	9
Sample Name	FENTANYL
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 07 19:29:44 2022
Date Processed	Tue Mar 08 08:27:08 2022

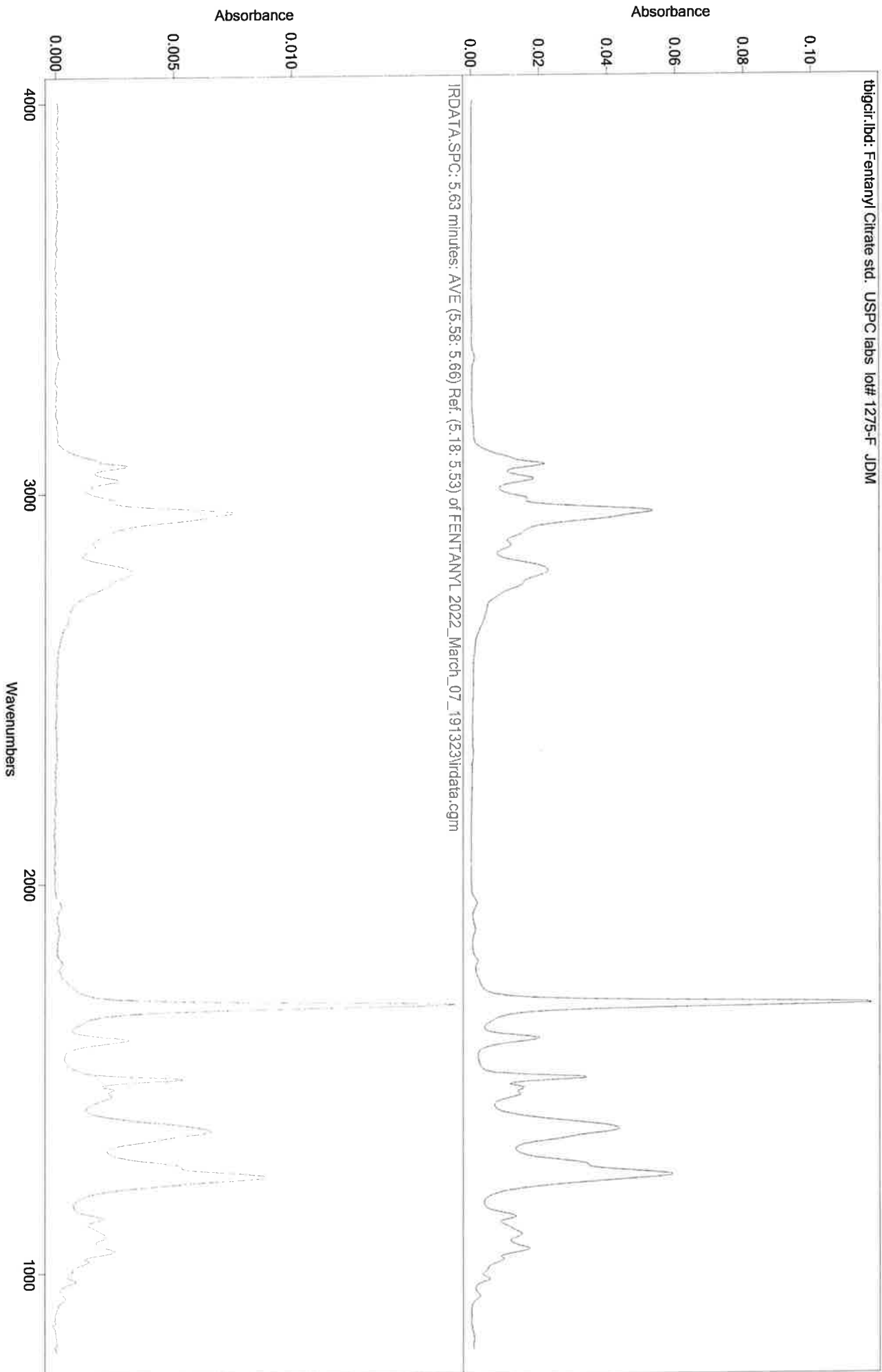
RH



IRDATA.SPC: 5.63 minutes: AVE (5.58: 5.66) Ref. (5.18: 5.53) of FENTANYL
2022_March_07_191323.cgm

Fentanyl

CH

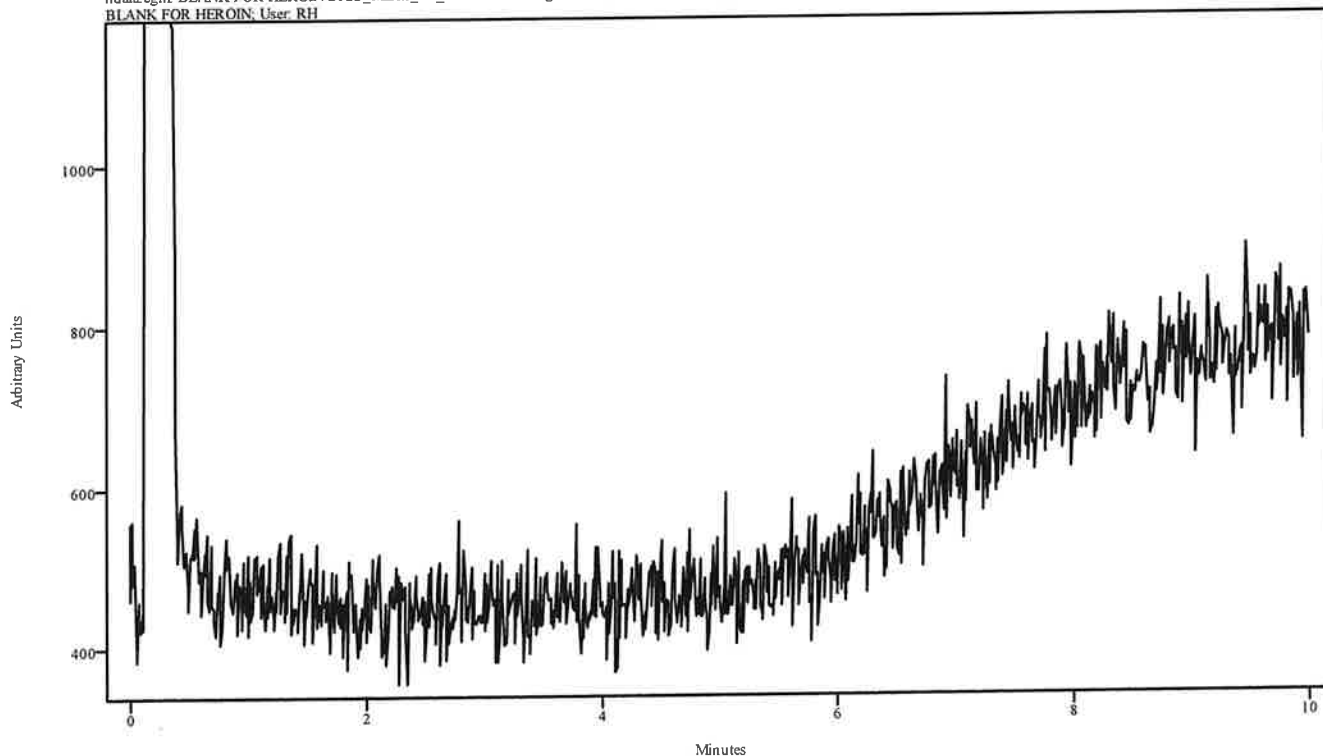


MT

IRD Data Analysis Report

Data Filename	BLANK FOR HEROIN 2022_March_07_192944
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/STANDARDS (RERUN)
IRD Method	IRD3
GC Method	90TO270@35C
GC Vial	2
Sample Name	BLANK FOR HEROIN
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 07 19:46:00 2022
Date Processed	Tue Mar 08 08:30:08 2022

irdata.cgm: BLANK FOR HEROIN 2022_March_07_192944\irdata.cgm : Misc. Info: MEOH:CURIE; Sample:
BLANK FOR HEROIN; User: RH

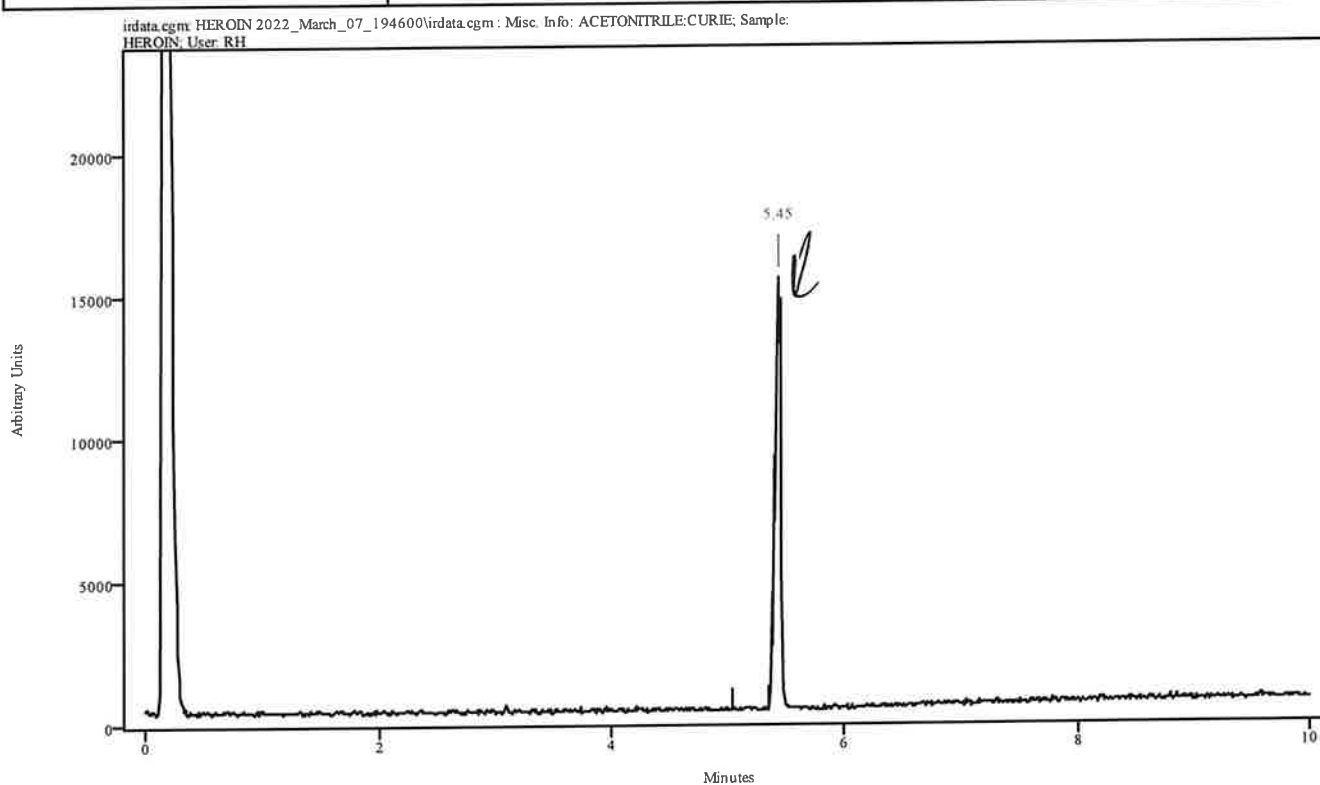


Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

IRD Data Analysis Report

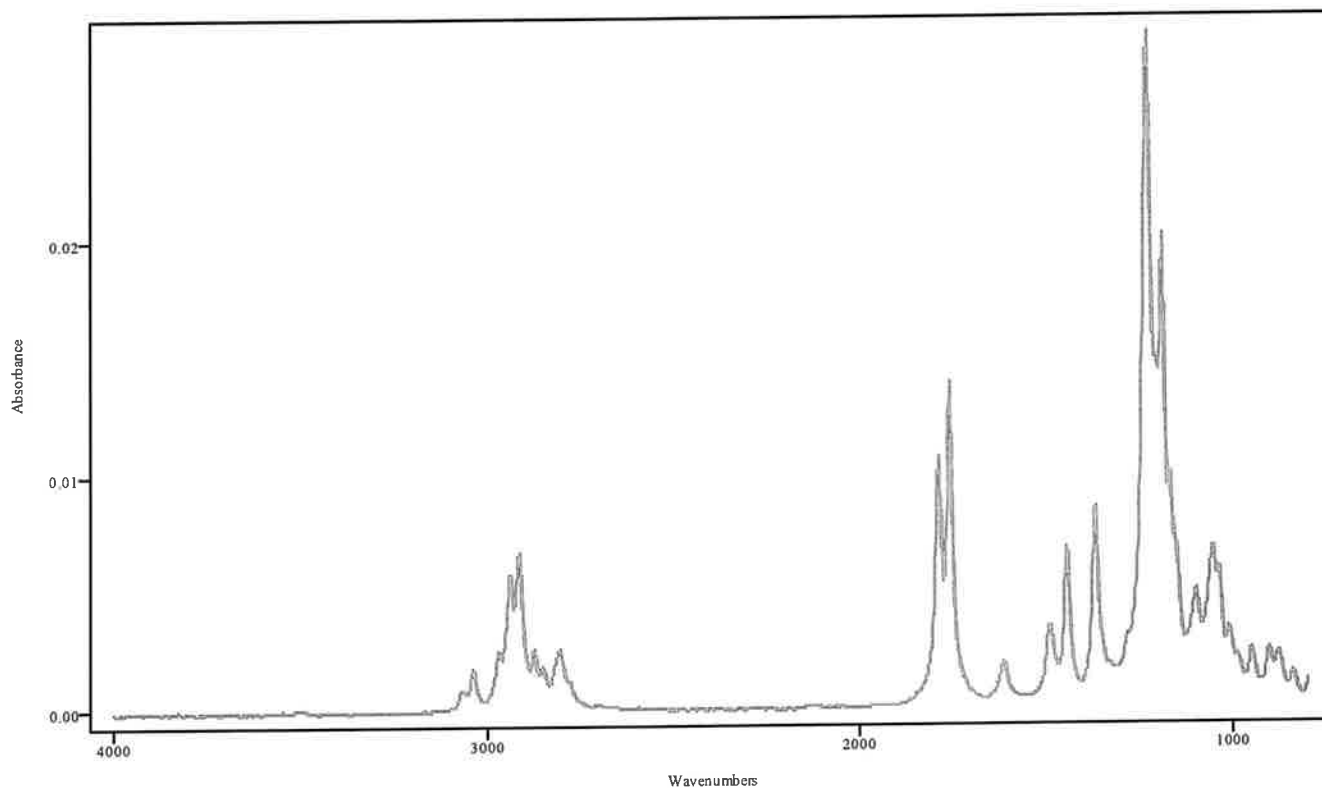
[Handwritten Signature]

Data Filename	HEROIN 2022_March_07_194600
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/STANDARDS (RERUN)
IRD Method	IRD3
GC Method	90TO270@35C
GC Vial	11
Sample Name	HEROIN
Misc. Info	ACETONITRILE:CURIE
User ID	RH
Injection Time	Mon Mar 07 20:02:17 2022
Date Processed	Tue Mar 08 08:30:33 2022



Peak Start	Peak End	Peak Width	Reference Start	Reference End
5.408	5.474	0.066	5.045	5.353

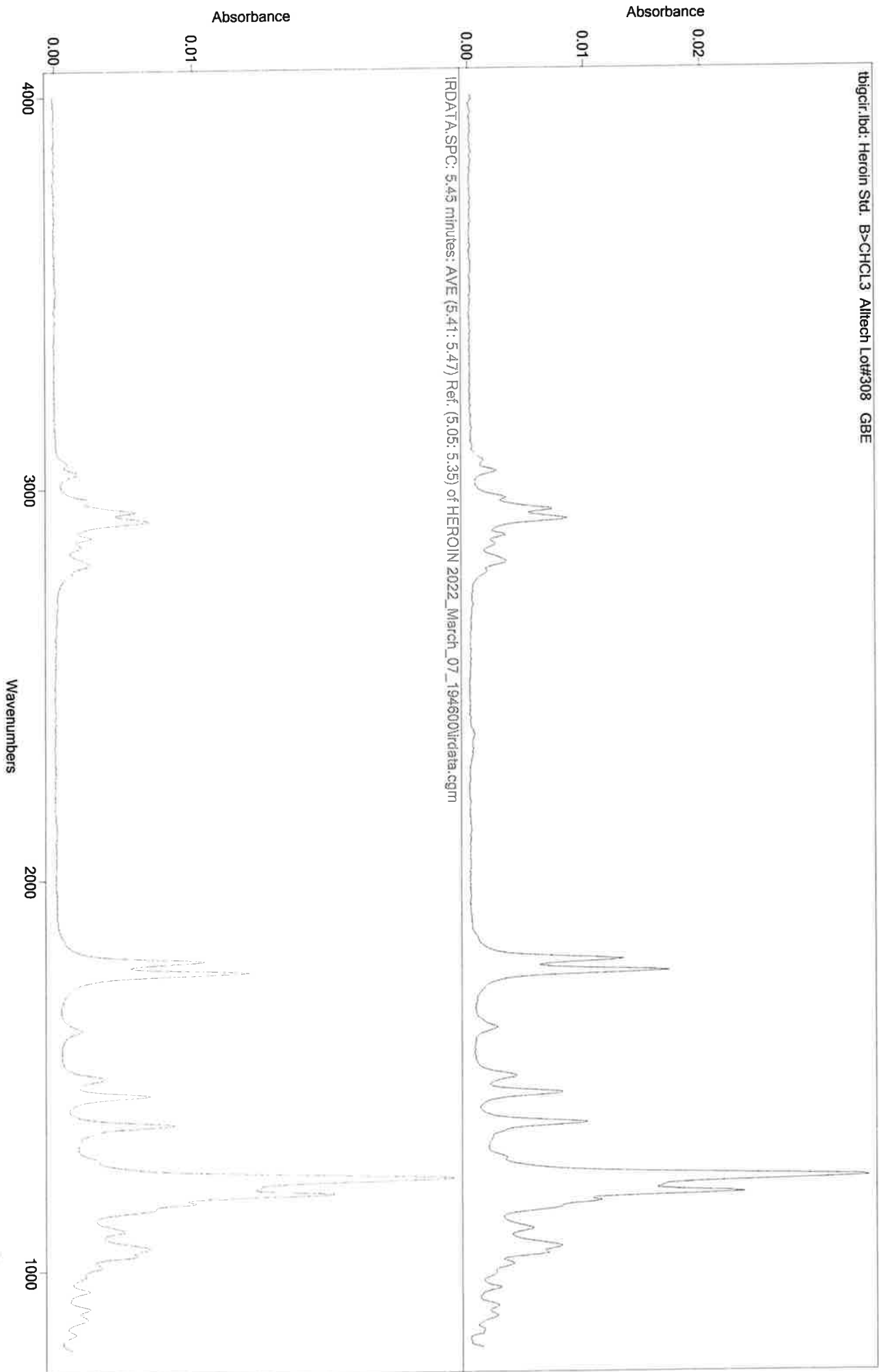
Data Filename	HEROIN 2022_March_07_194600
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/STANDARDS (RERUN)
IRD Method	IRD3
GC Method	90TO270@35C
GC Vial	11
Sample Name	HEROIN
Misc. Info	ACETONITRILE:CURIE
User ID	RH
Injection Time	Mon Mar 07 20:02:17 2022
Date Processed	Tue Mar 08 08:30:33 2022



IRDATA.SPC: 5.45 minutes: AVE (5.41: 5.47) Ref. (5.05: 5.35) of HEROIN
 2022_March_07_194600.cgm

Heroin

CH

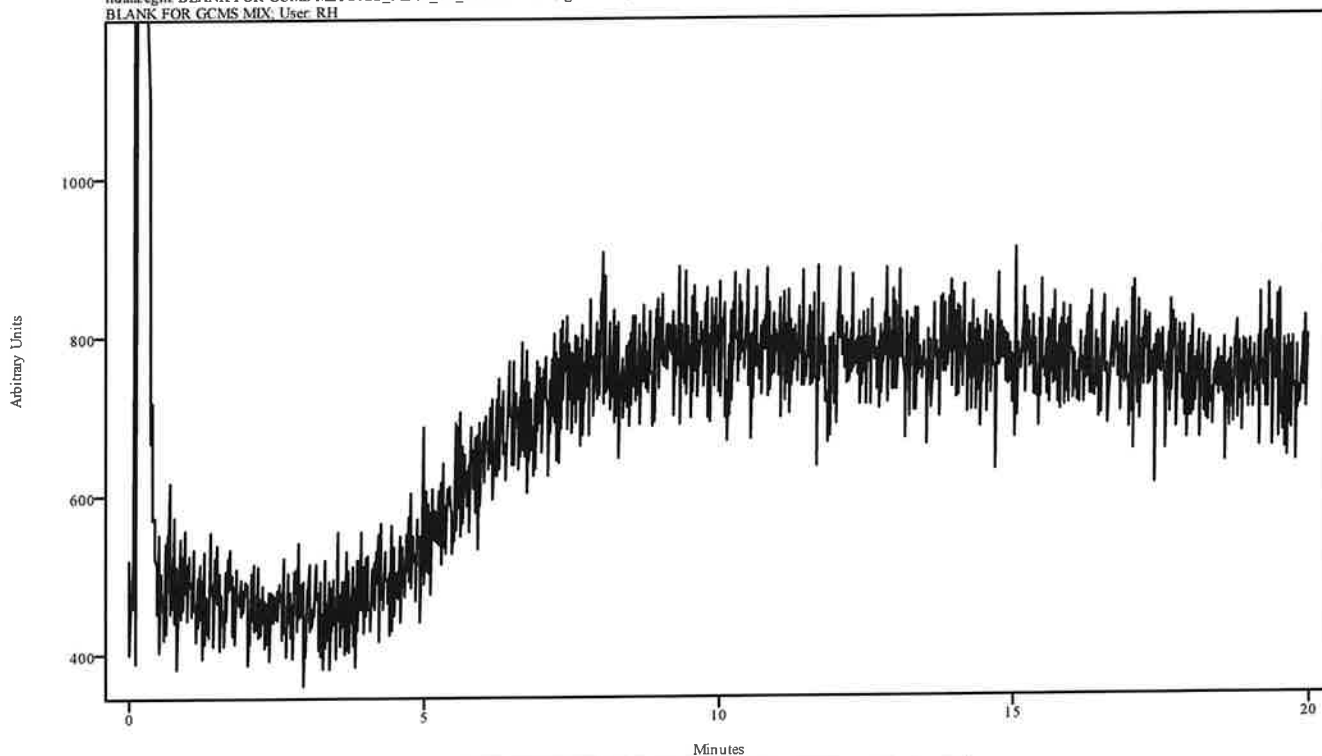


IRD Data Analysis Report

CMH

Data Filename	BLANK FOR GCMS MIX 2022_March_07_200217
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/STANDARDS (RERUN)
IRD Method	IRD3
GC Method	90TO270(20MIN)
GC Vial	2
Sample Name	BLANK FOR GCMS MIX
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 07 20:28:36 2022
Date Processed	Tue Mar 08 08:27:48 2022

irdata.cgm: BLANK FOR GCMS MIX 2022_March_07_200217\irdata.cgm : Misc. Info: MEOH:CURIE; Sample: BLANK FOR GCMS MIX; User: RH

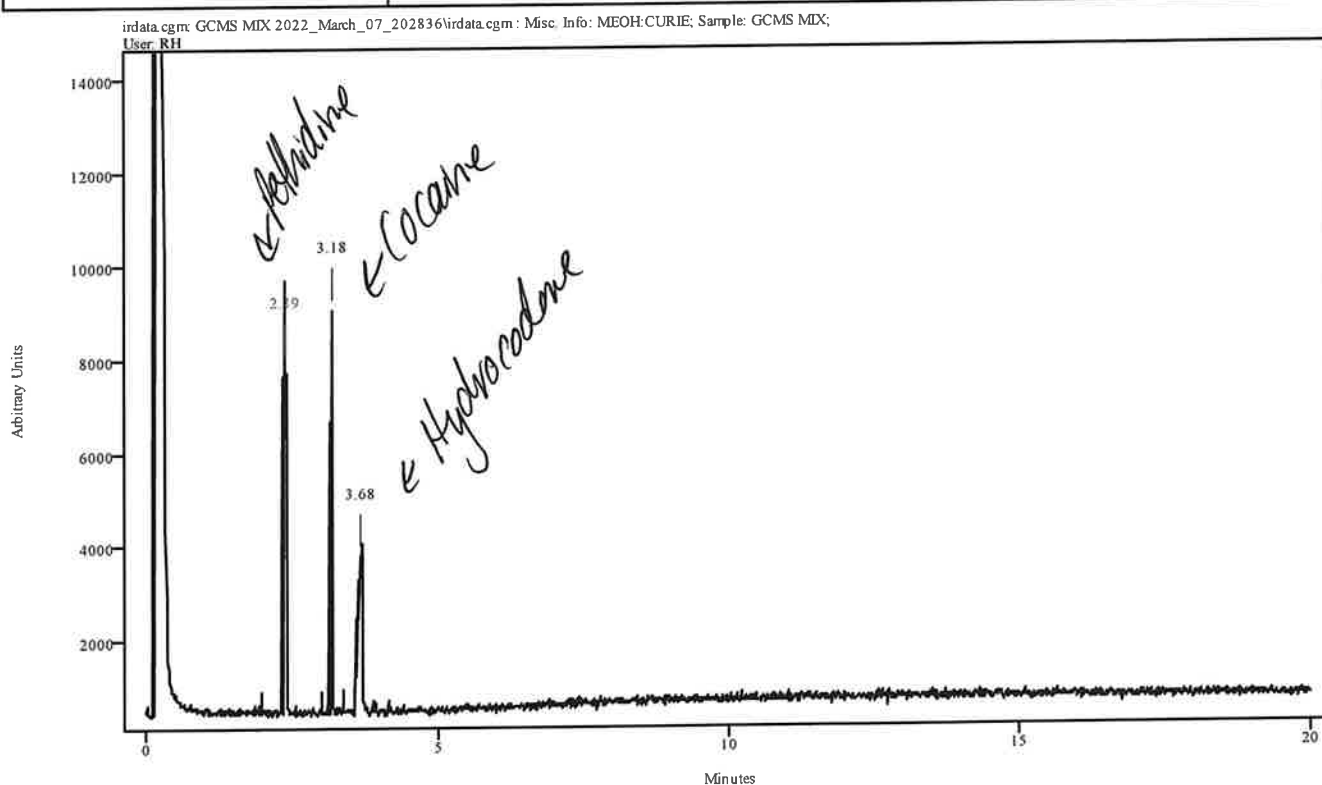


Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

IRD Data Analysis Report

Handwritten signature

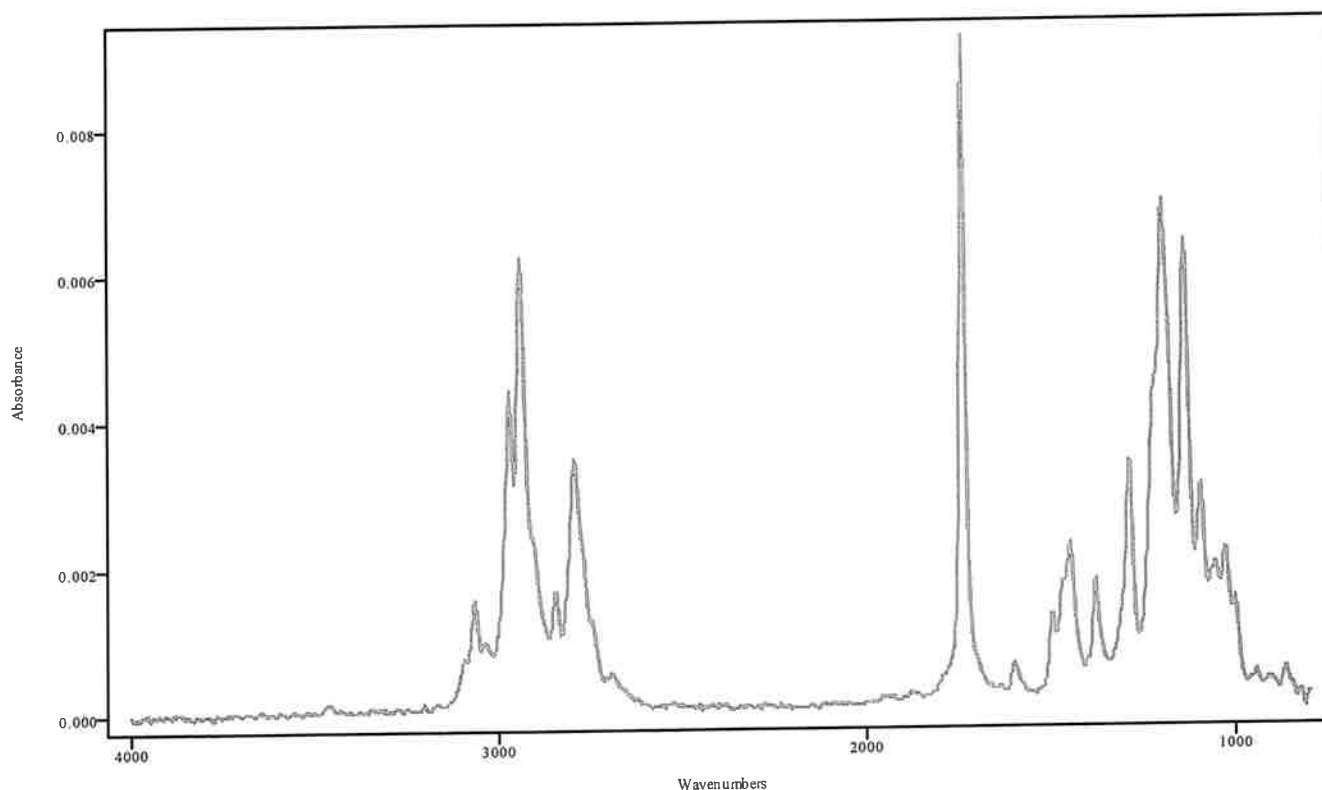
Data Filename	GCMS MIX 2022_March_07_202836
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/STANDARDS (RERUN)
IRD Method	IRD3
GC Method	90TO270(20MIN)
GC Vial	17
Sample Name	GCMS MIX
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 07 20:55:02 2022
Date Processed	Tue Mar 08 08:29:05 2022



Peak Start	Peak End	Peak Width	Reference Start	Reference End
2.341	2.418	0.077	1.967	2.319
3.154	3.187	0.033	3.001	3.132
3.605	3.715	0.110	3.360	3.550

MA

Data Filename	GCMS MIX 2022_March_07_202836
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/STANDARDS (RERUN)
IRD Method	IRD3
GC Method	90TO270(20MIN)
GC Vial	17
Sample Name	GCMS MIX
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 07 20:55:02 2022
Date Processed	Tue Mar 08 08:29:05 2022

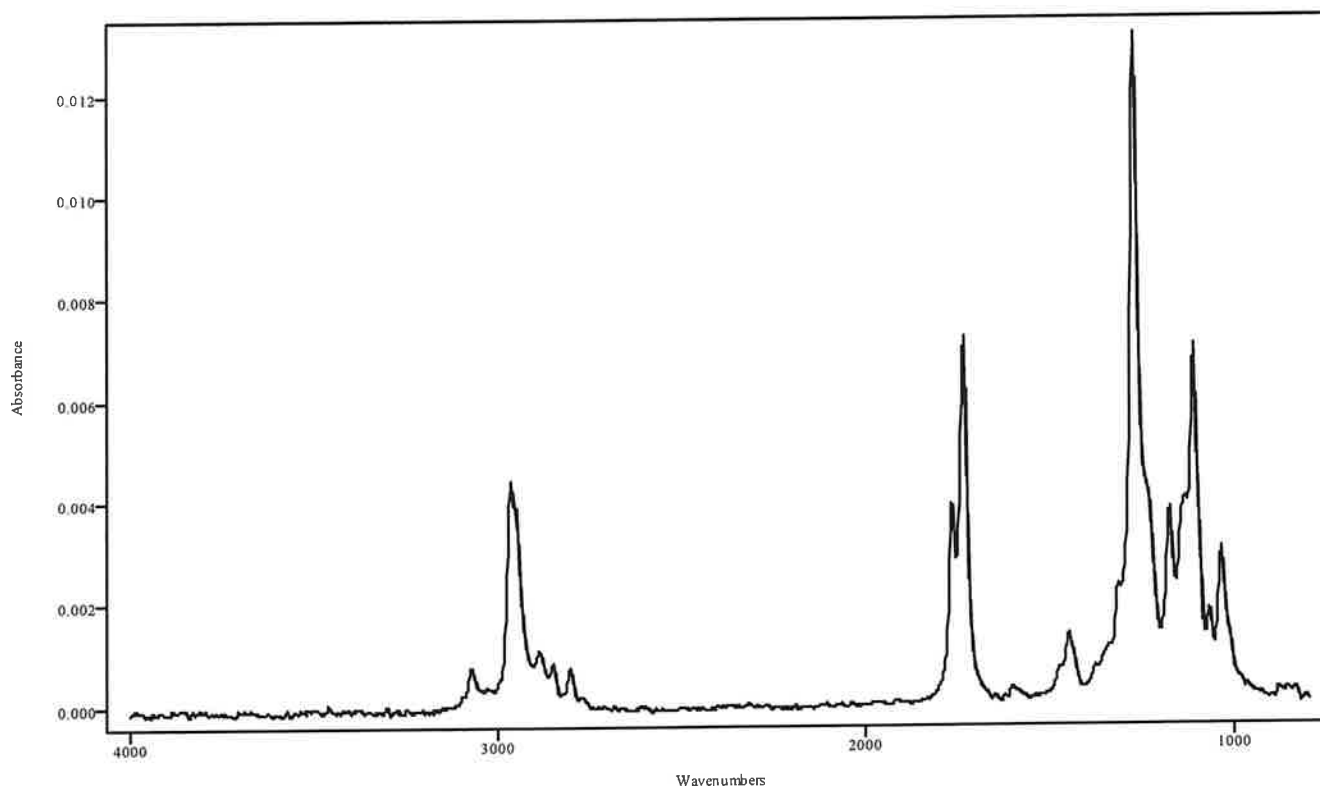


IRDATA.SPC: 2.39 minutes: AVE (2.34: 2.42) Ref. (1.97: 2.32) of GCMS MIX
2022_March_07_202836.cgm

Perthidine

NA

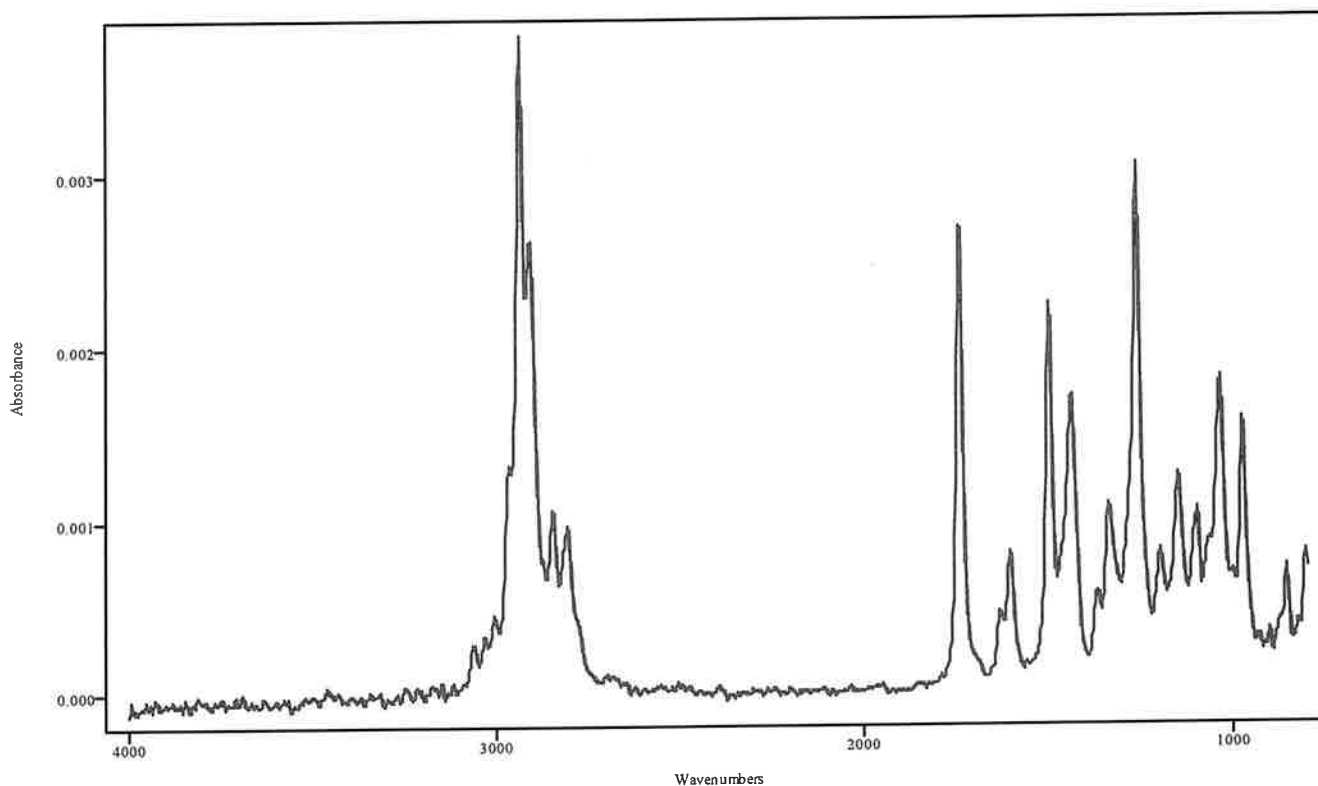
Data Filename	GCMS MIX 2022_March_07_202836
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/STANDARDS (RERUN)
IRD Method	IRD3
GC Method	90TO270(20MIN)
GC Vial	17
Sample Name	GCMS MIX
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 07 20:55:02 2022
Date Processed	Tue Mar 08 08:29:05 2022



IRDATA.SPC: 3.18 minutes: AVE (3.15: 3.19) Ref. (3.00: 3.13) of GCMS MIX
2022_March_07_202836.cgm

Cocaine

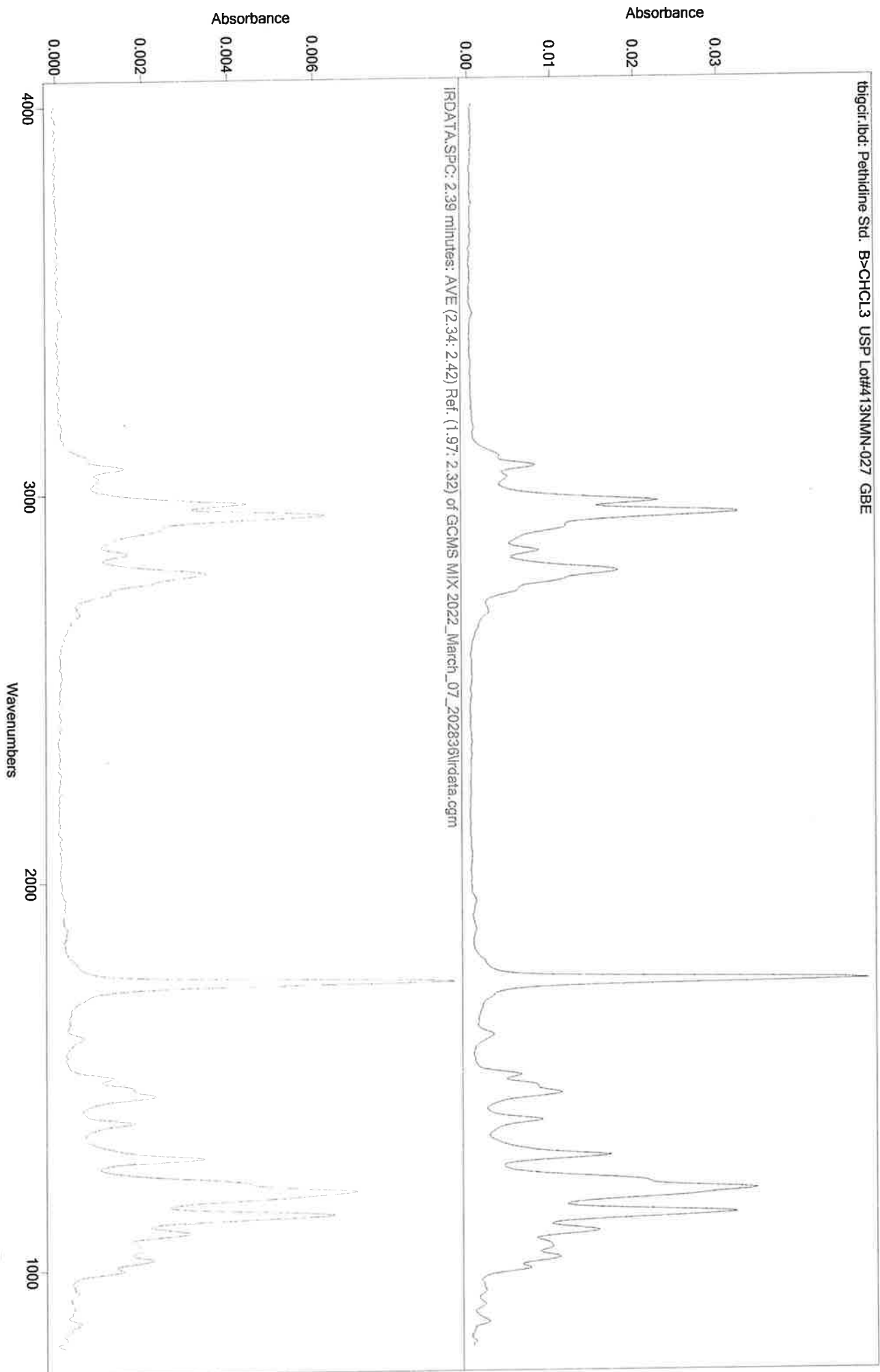
Data Filename	GCMS MIX 2022_March_07_202836
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/STANDARDS (RERUN)
IRD Method	IRD3
GC Method	90TO270(20MIN)
GC Vial	17
Sample Name	GCMS MIX
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 07 20:55:02 2022
Date Processed	Tue Mar 08 08:29:05 2022



IRDATA.SPC: 3.68 minutes: AVE (3.61: 3.72) Ref. (3.36: 3.55) of GCMS MIX
2022_March_07_202836.cgm

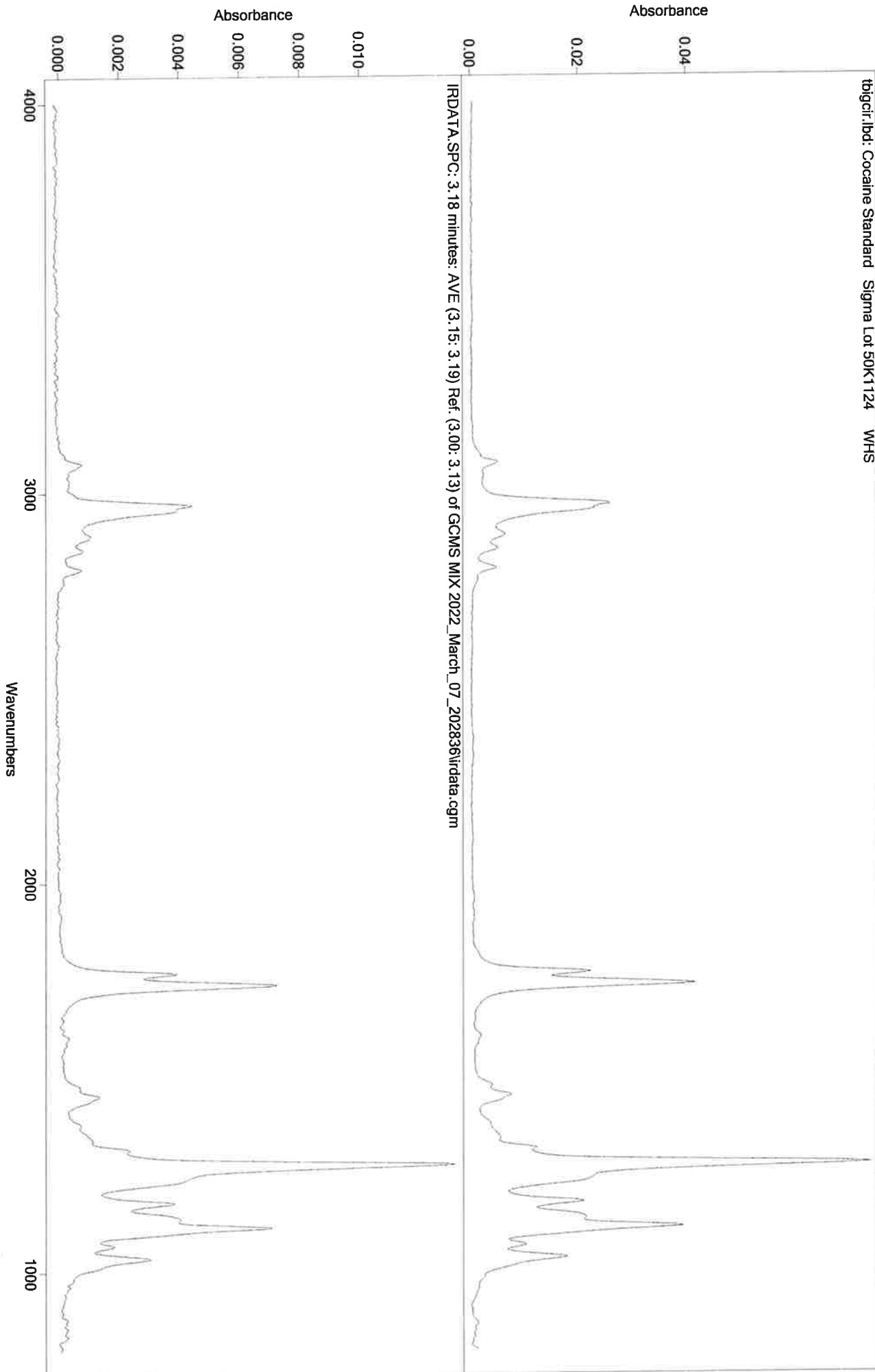
Hydrocodone

CH

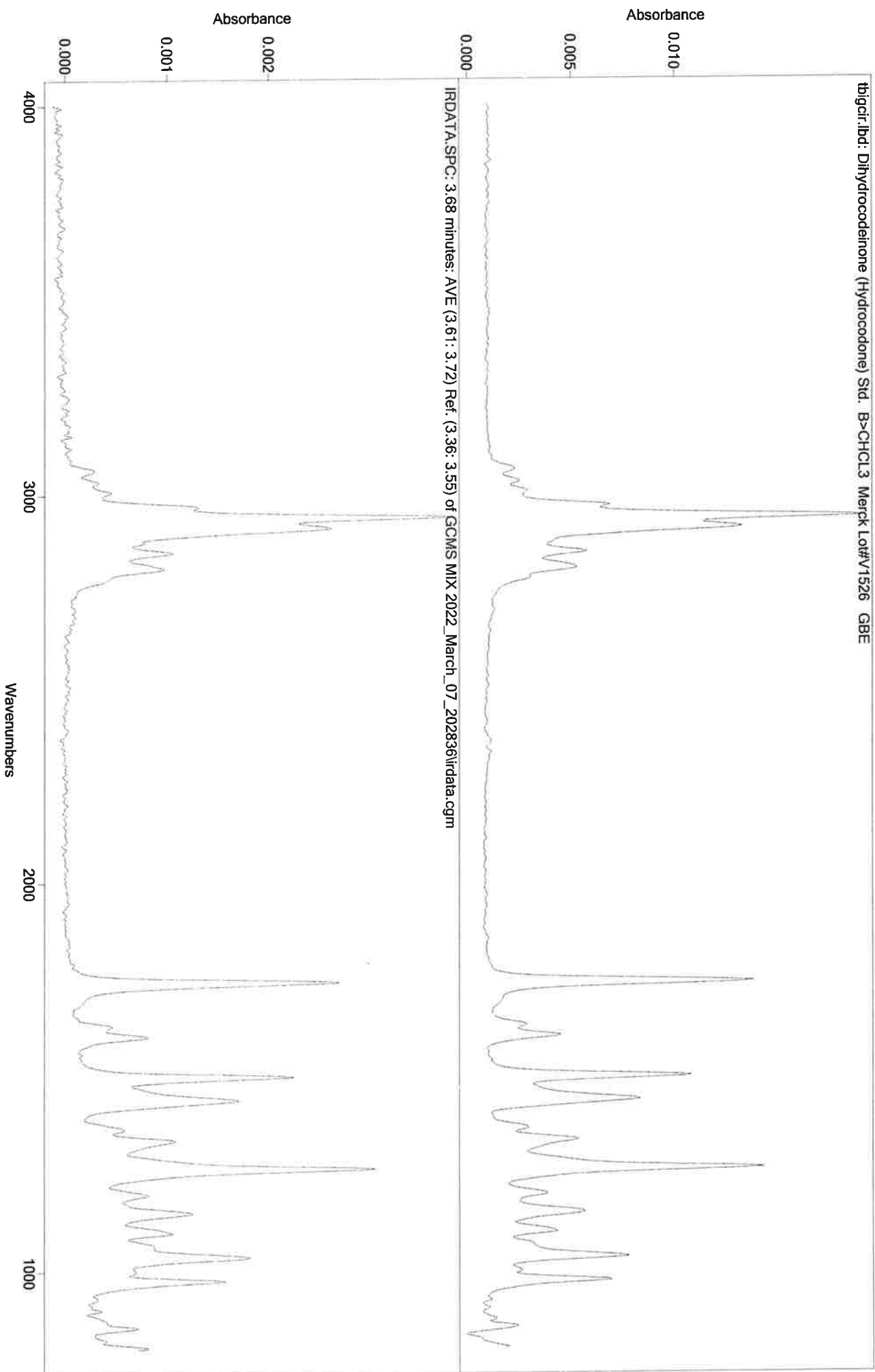


944

tbicir.lbd: Cocaine Standard Sigma Lot 50K1124 WHS



44

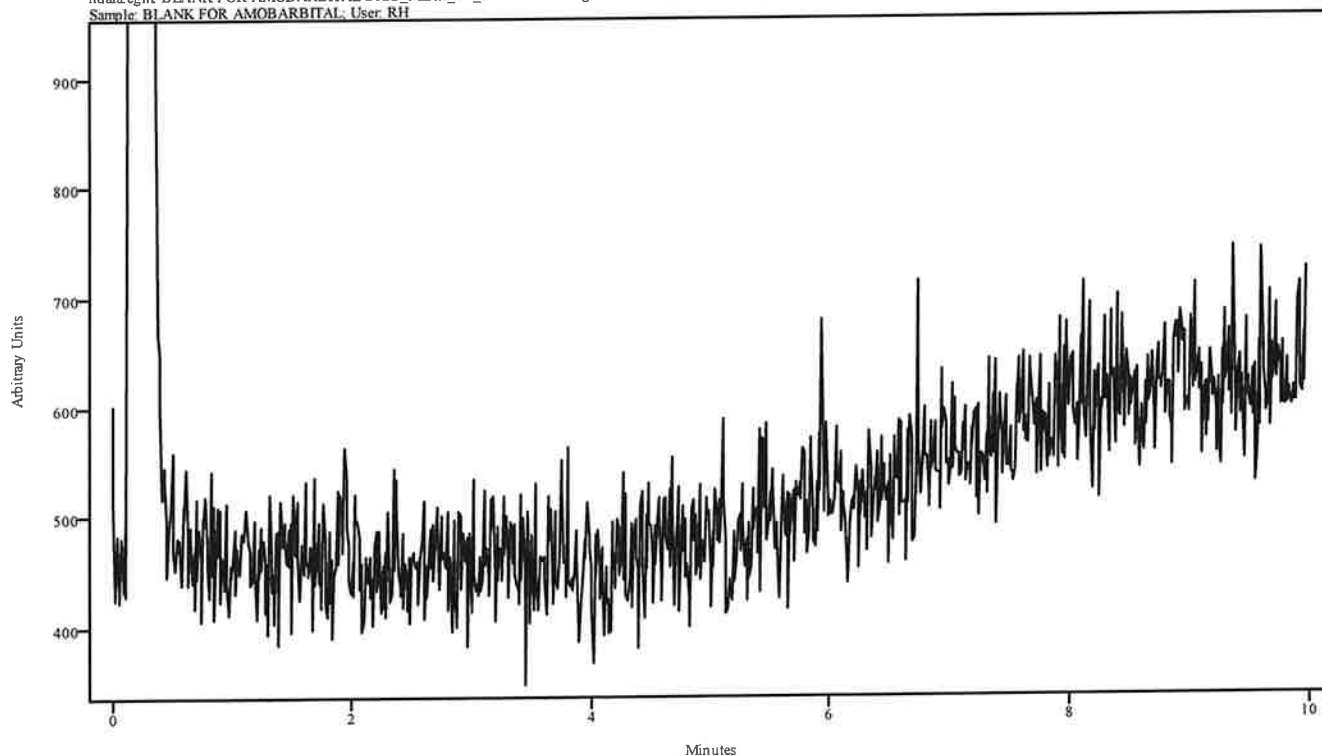


Handwritten signature/initials.

IRD Data Analysis Report

Data Filename	BLANK FOR AMOBARBITAL 2022_March_07_205502
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/STANDARDS (RERUN)
IRD Method	IRD3
GC Method	90TO270
GC Vial	2
Sample Name	BLANK FOR AMOBARBITAL
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 07 21:11:36 2022
Date Processed	Tue Mar 08 08:25:08 2022

irdata.cgm: BLANK FOR AMOBARBITAL 2022_March_07_205502\irdata.cgm : Misc. Info: MEOH:CURIE;
Sample: BLANK FOR AMOBARBITAL; User: RH

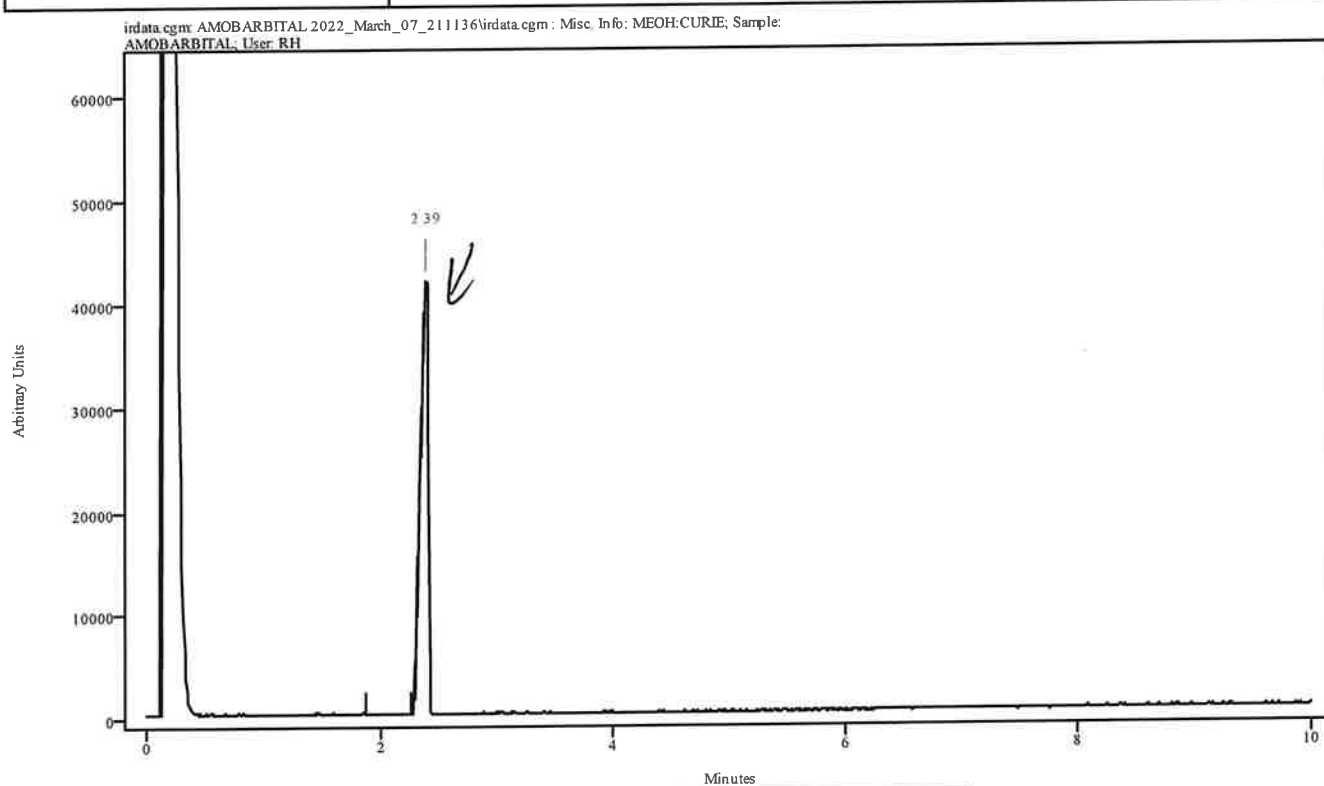


Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

IRD Data Analysis Report

YH

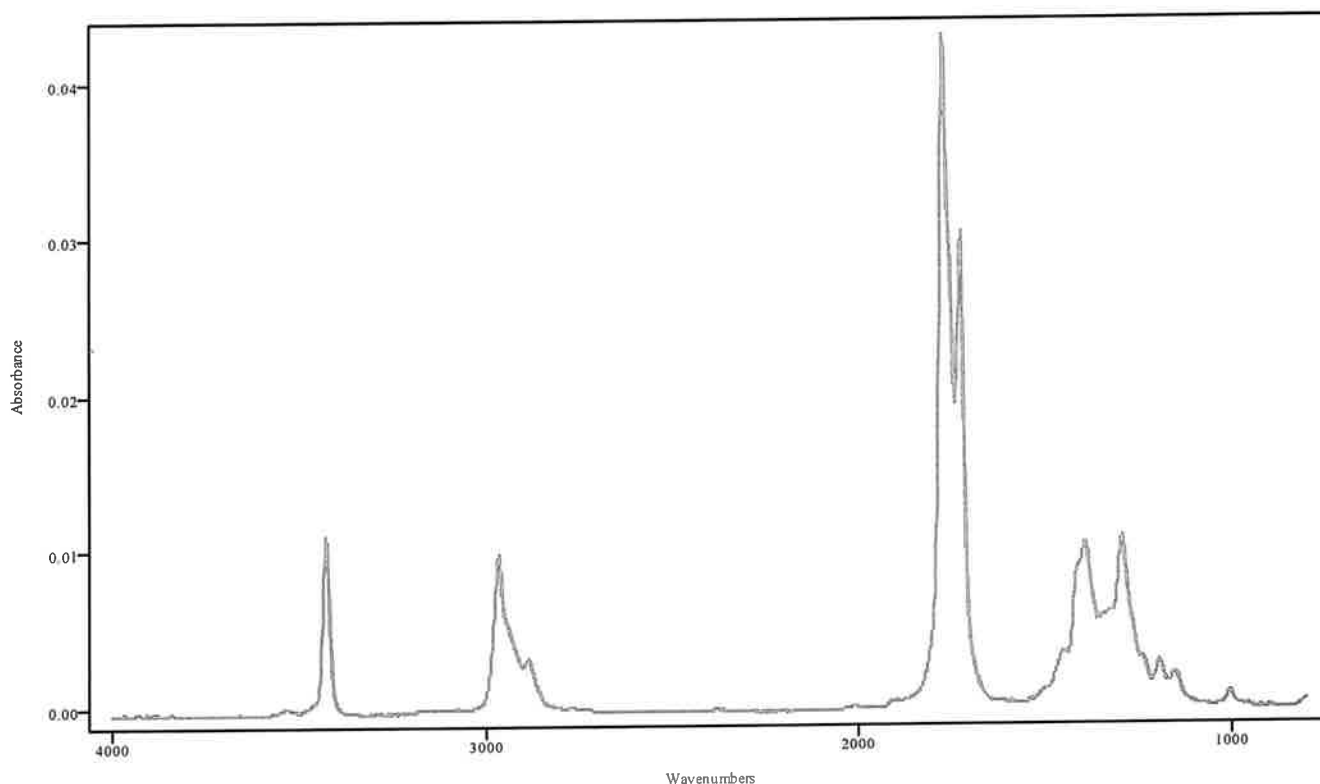
Data Filename	AMOBARBITAL 2022_March_07_211136
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/STANDARDS (RERUN)
IRD Method	IRD3
GC Method	90TO270
GC Vial	12
Sample Name	AMOBARBITAL
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 07 21:28:07 2022
Date Processed	Tue Mar 08 08:25:38 2022



Peak Start	Peak End	Peak Width	Reference Start	Reference End
2.334	2.422	0.088	1.874	2.268

11

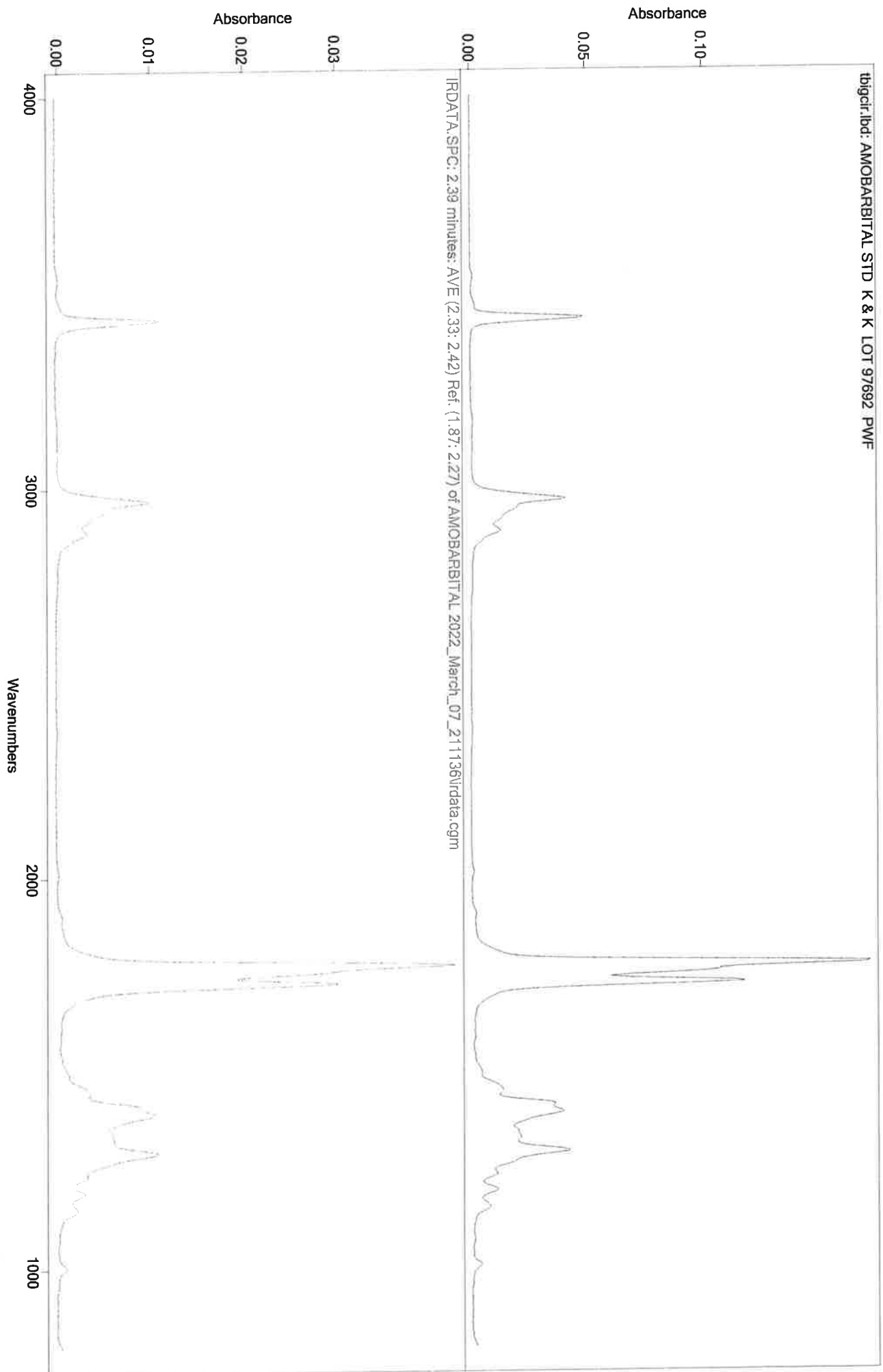
Data Filename	AMOBARBITAL 2022_March_07_211136
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/STANDARDS (RERUN)
IRD Method	IRD3
GC Method	90TO270
GC Vial	12
Sample Name	AMOBARBITAL
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 07 21:28:07 2022
Date Processed	Tue Mar 08 08:25:38 2022



IRDATA.SPC: 2.39 minutes: AVE (2.33: 2.42) Ref. (1.87: 2.27) of AMOBARBITAL
2022_March_07_211136.cgm

Amobarbital

CH



Sequence Name: SPLITLESS AUTOSAMPLE METHOD PC 3-3-22

MA

Sample Path: C:\ASAP DATA\PERFORMANCE CHECK\SPLITLESS METHODS

Type	IRD Method	GC Method	Vial	Sample ID	Data File	Solvent/Extract	Instrument ID
1	IRD3	SL90TO270	1	BLANK FOR	BLANK FOR	MEOH	CURIE
2	IRD3	SL90TO270	3	LORAZEPAM	LORAZEPAM	MEOH	CURIE
3	IRD3	SL200TO270	1	BLANK FOR	BLANK FOR	MEOH	CURIE
4	IRD3	SL200TO270	4	NANDROLONE	NANDROLONE	MEOH	CURIE
5	IRD3	SL90TO270@	1	BLANK FOR	BLANK FOR	MEOH	CURIE
6	IRD3	SL90TO270@	5	XYLAZINE	XYLAZINE \$	MEOH	CURIE
7	IRD3	SL200TO270	1	BLANK FOR	BLANK FOR	MEOH	CURIE
8	IRD3	SL200TO270	6	TESTOSTERO	TESTOST BE	MEOH	CURIE
9	IRD3	SL200TO270	1	BLANK FOR	BLANK FOR	MEOH	CURIE
10	IRD3	SL200TO270	7	MODAFINIL	MODAFINIL	ACETONITRILE	CURIE
* 11	IRD3	SL90TO270@	1	BLANK FOR	BLANK FOR	MEOH	CURIE
12	IRD3	SL90TO270@	8	N,N DMT	N,N DMT \$ (	MEOH	CURIE
13	IRD3	SL90TO270@	2	BLANK FOR	BLANK FOR	MEOH	CURIE
14	IRD3	SL90TO270@	9	FENTANYL	FENTANYL \$	MEOH	CURIE
15	IRD3	SL90TO270 (	2	BLANK FOR	BLANK FOR	MEOH	CURIE
16	IRD3	SL90TO270 (	10	PENTOBARBI	PENTOBARBI	MEOH	CURIE
17	IRD3	SL90TO270@	2	BLANK FOR	BLANK FOR	MEOH	CURIE
18	IRD3	SL90TO270@	11	HEROIN	HEROIN \$ (D	ACETONITRILE	CURIE
19	IRD3	SL90TO270	2	BLANK FOR	BLANK FOR	MEOH	CURIE
20	IRD3	SL90TO270	12	AMOBARBITA	AMOBARBITA	MEOH	CURIE
21	IRD3	SL200TO270	2	BLANK FOR	BLANK FOR	MEOH	CURIE
22	IRD3	SL200TO270	13	MITRAGYNIN	MITRAGYNIN	MEOH	CURIE
23	IRD3	SL90TO270@	2	BLANK FOR	BLANK FOR	MEOH	CURIE
24	IRD3	SL90TO270@	14	CARISPROD	CARISPROD	MEOH	CURIE
25	IRD3	SL200TO270	2	BLANK FOR	BLANK FOR	MEOH	CURIE
26	IRD3	SL200TO270	15	BUPRENORPH	BUPRENORPH	MEOH	CURIE
27	IRD3	SL200TO270	2	BLANK FOR	BLANK FOR	MEOH	CURIE
28	IRD3	SL200TO270	16	BROMAZOLAM	BROMAZOLAM	MEOH	CURIE
29	IRD3	SL90TO270 (	2	BLANK FOR	BLANK FOR	MEOH	CURIE
30	IRD3	SL90TO270 (	17	GCMS MIX	GCMS MIX \$	MEOH	CURIE

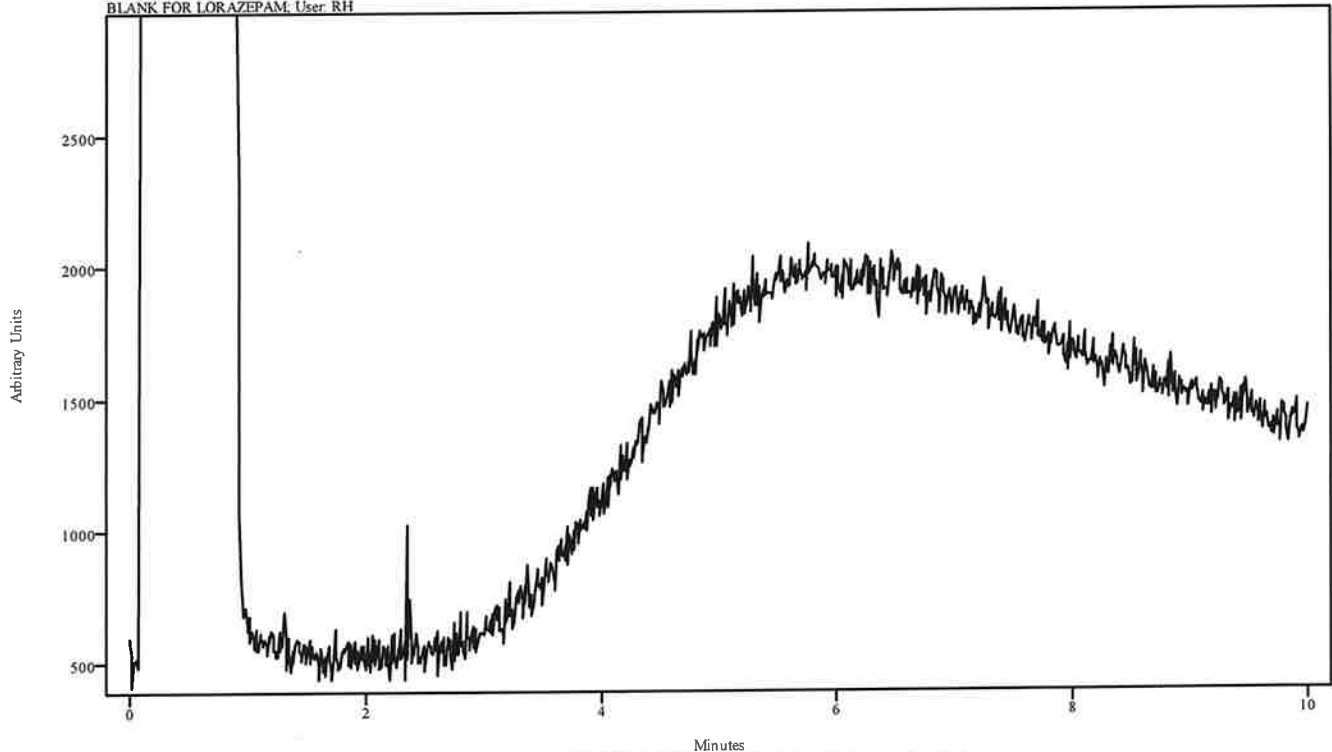
* Instrument stopped. Restarted at same location
on 3-4-22. MA

MA

IRD Data Analysis Report

Data Filename	BLANK FOR LORAZEPAM 2022_March_03_101243
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL90TO270
GC Vial	1
Sample Name	BLANK FOR LORAZEPAM
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Thu Mar 03 10:25:05 2022
Date Processed	Mon Mar 07 09:55:28 2022

irdata.cgm: BLANK FOR LORAZEPAM 2022_March_03_101243\irdata.cgm: Misc. Info: MEOH:CURIE; Sample: BLANK FOR LORAZEPAM; User: RH



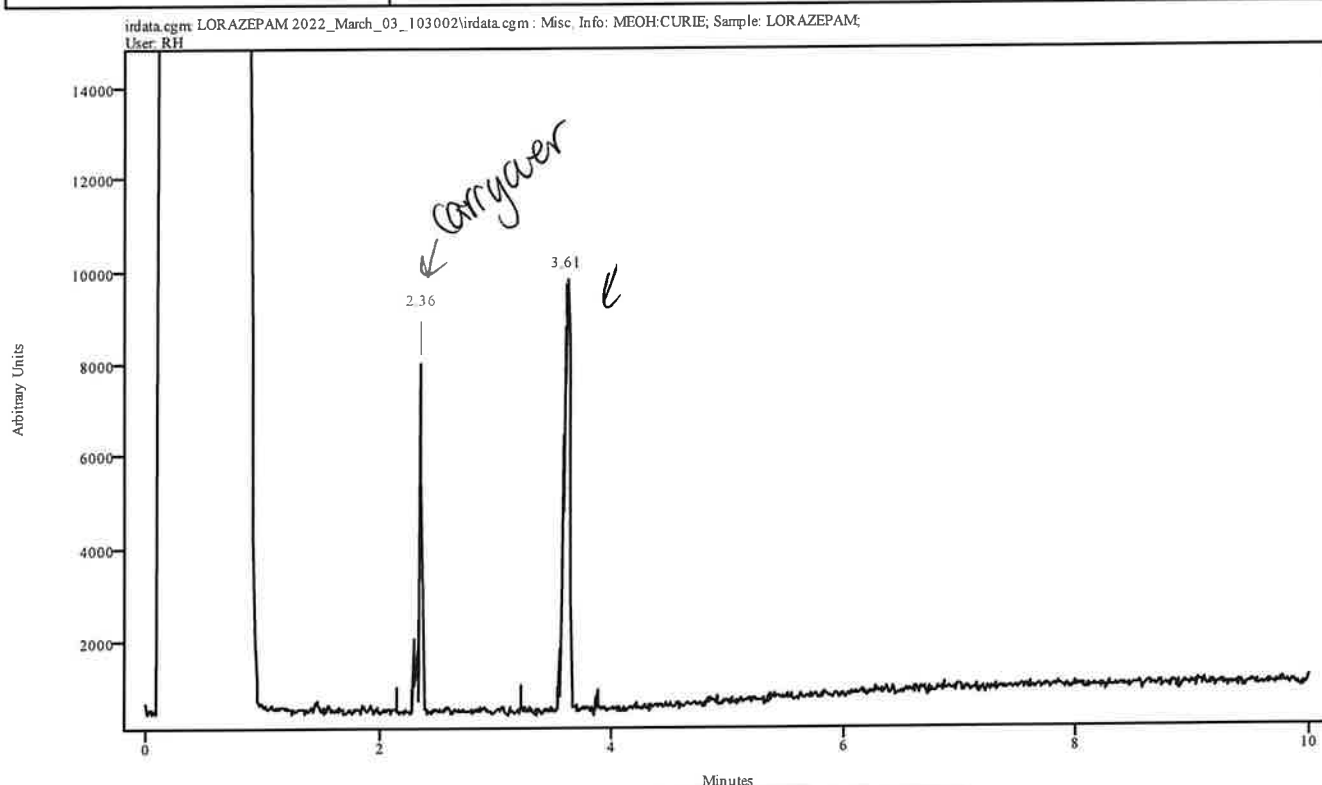
Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

*BDNU - Carry over in standard.
Re-run.

MT

IRD Data Analysis Report

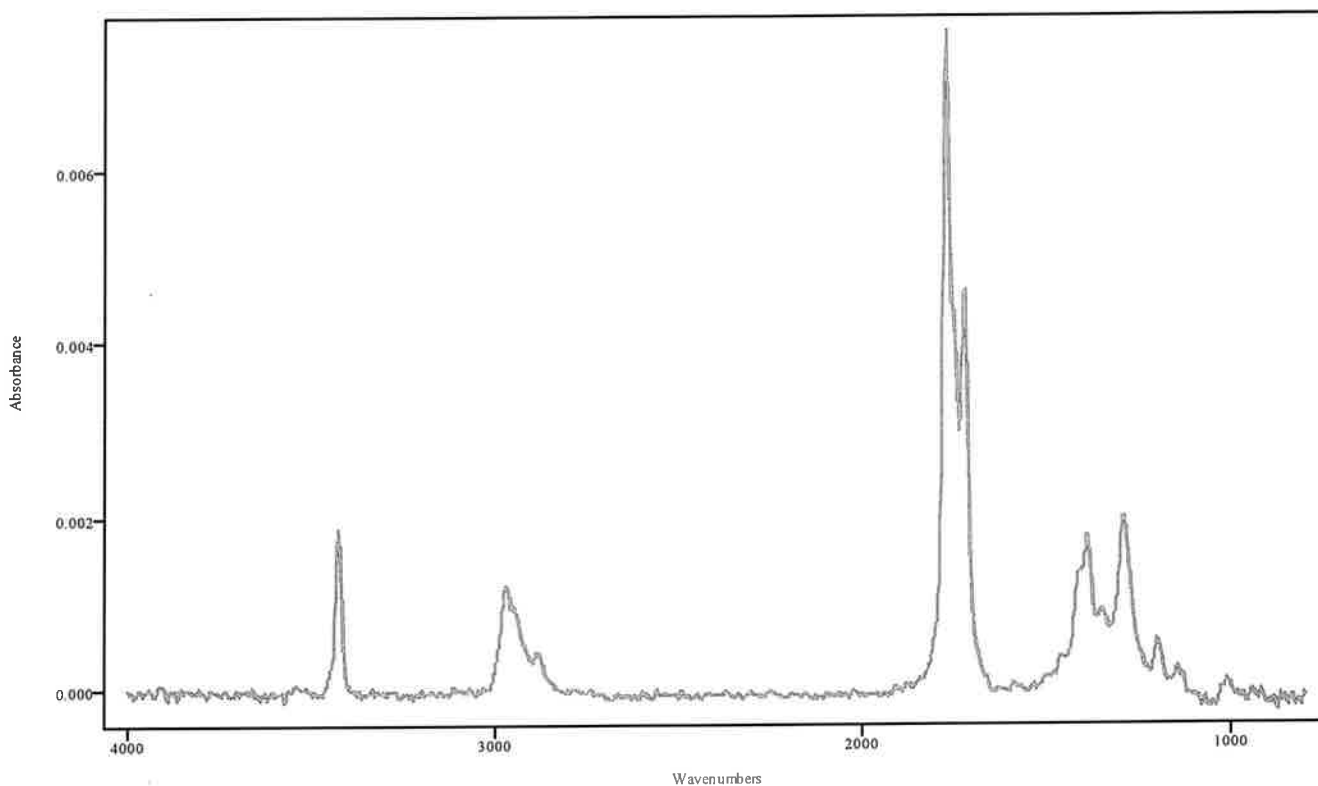
Data Filename	LORAZEPAM 2022_March_03_103002
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL90TO270
GC Vial	3
Sample Name	LORAZEPAM
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Thu Mar 03 10:42:19 2022
Date Processed	Mon Mar 07 09:56:37 2022



Peak Start	Peak End	Peak Width	Reference Start	Reference End
2.340	2.373	0.033	2.142	2.275
3.570	3.647	0.077	3.219	3.526

*DNV - carrier in standard. Rerun.

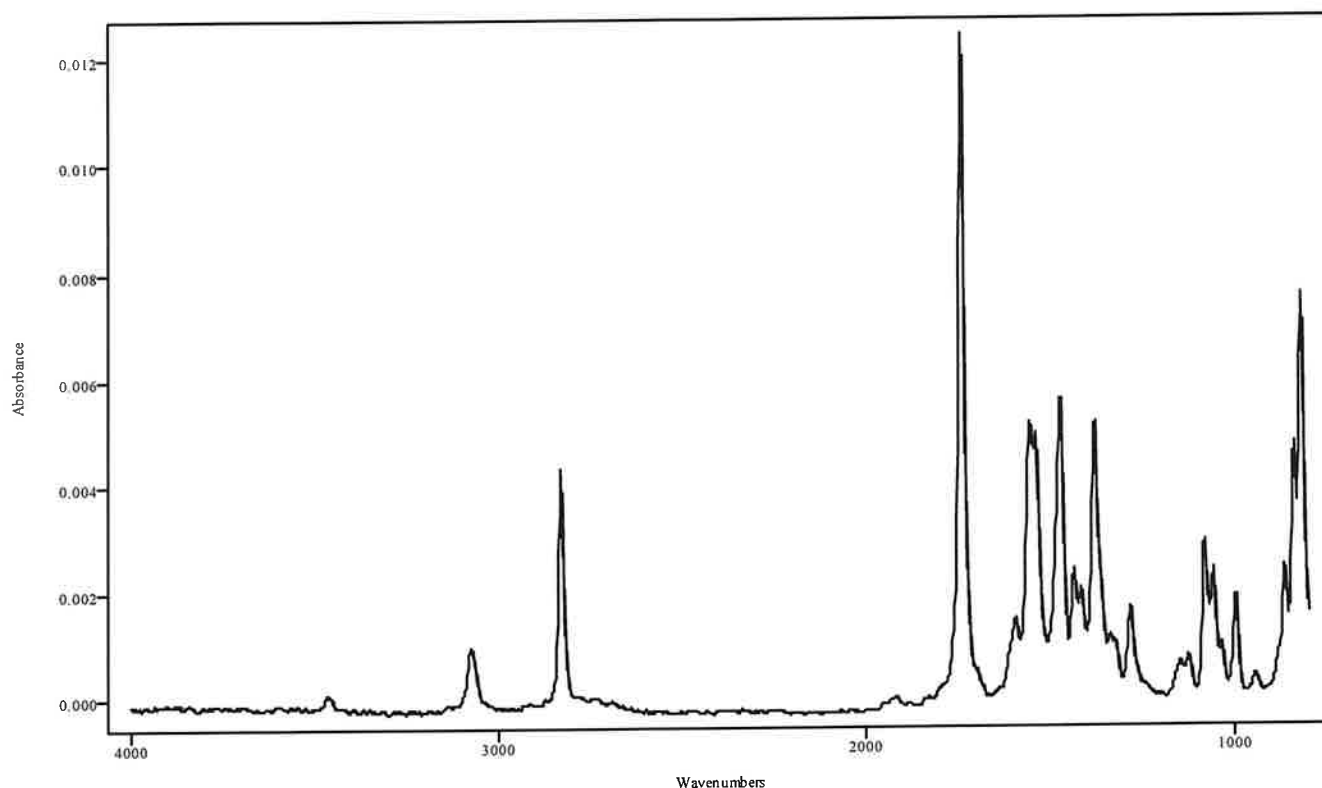
Data Filename	LORAZEPAM 2022_March_03_103002
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL90TO270
GC Vial	3
Sample Name	LORAZEPAM
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Thu Mar 03 10:42:19 2022
Date Processed	Mon Mar 07 09:56:37 2022



IRDATA.SPC: 2.36 minutes: AVE (2.34: 2.37) Ref. (2.14: 2.27) of LORAZEPAM
 2022_March_03_103002.cgm

ADNU- Carryover in standard. Run.

Data Filename	LORAZEPAM 2022_March_03_103002
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL90TO270
GC Vial	3
Sample Name	LORAZEPAM
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Thu Mar 03 10:42:19 2022
Date Processed	Mon Mar 07 09:56:37 2022

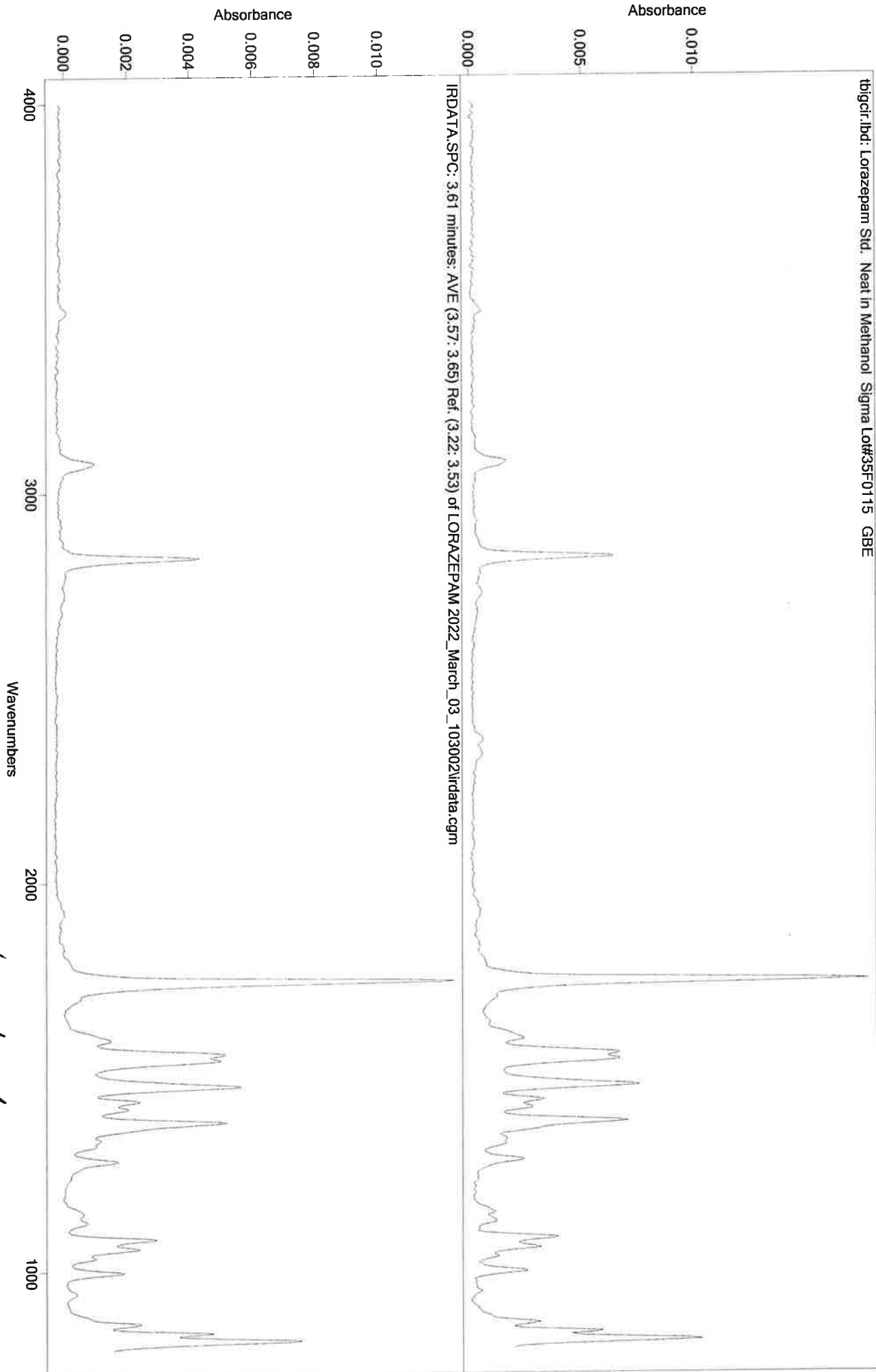


IRDATA.SPC: 3.61 minutes: AVE (3.57: 3.65) Ref. (3.22: 3.53) of LORAZEPAM
 2022_March_03_103002.cgm

Lorazepam
~~*DNU~~ - Carryover in standard. Run.

CH

tbjcir.lbd: Lorazepam Std. Neat in Methanol Sigma Lot#35F0115 GBE



Absorbance

Absorbance

Wavenumbers

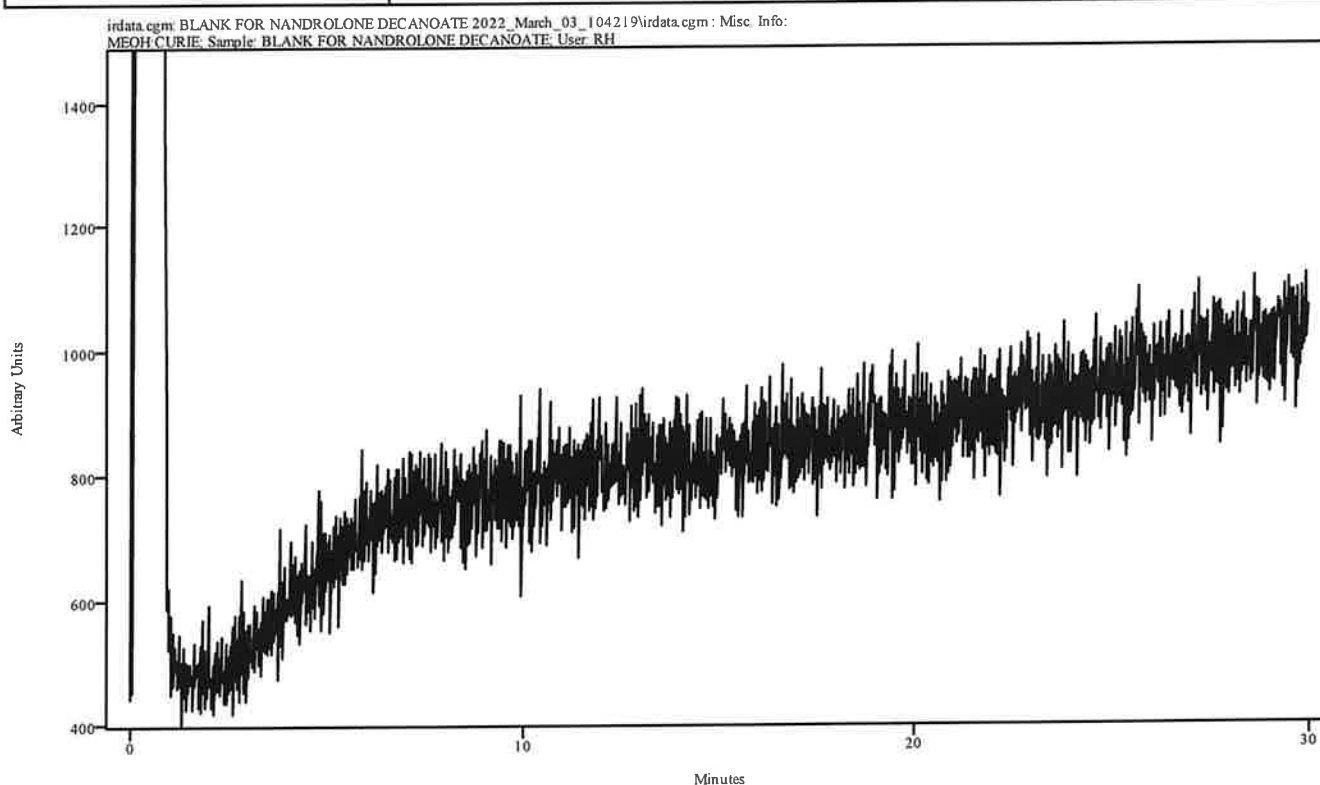
✓ DUU - Carryover in standard.
Kern.



UH

IRD Data Analysis Report

Data Filename	BLANK FOR NANDROLONE DECANOATE 2022_March_03_104219
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL200TO270(30MIN)
GC Vial	1
Sample Name	BLANK FOR NANDROLONE DECANOATE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Thu Mar 03 11:18:18 2022
Date Processed	Mon Mar 07 10:01:12 2022

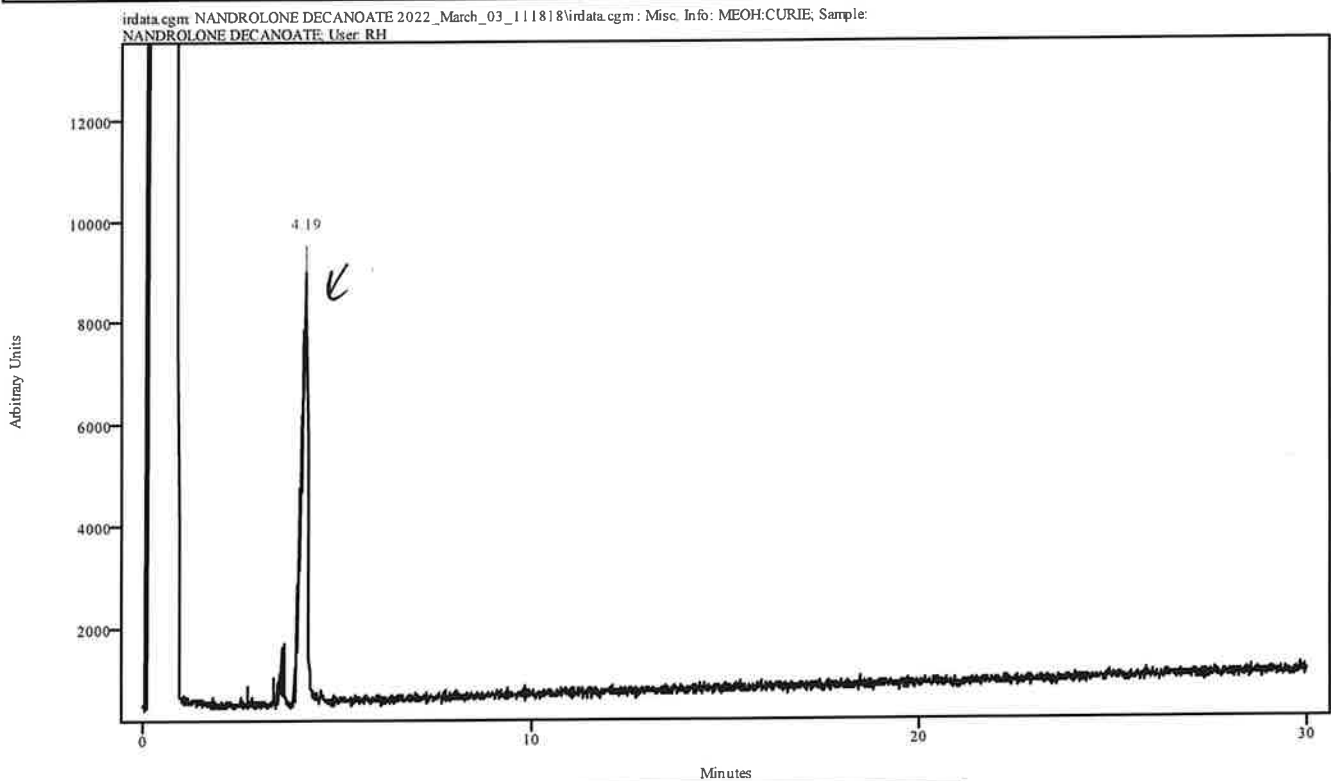


Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

CH

IRD Data Analysis Report

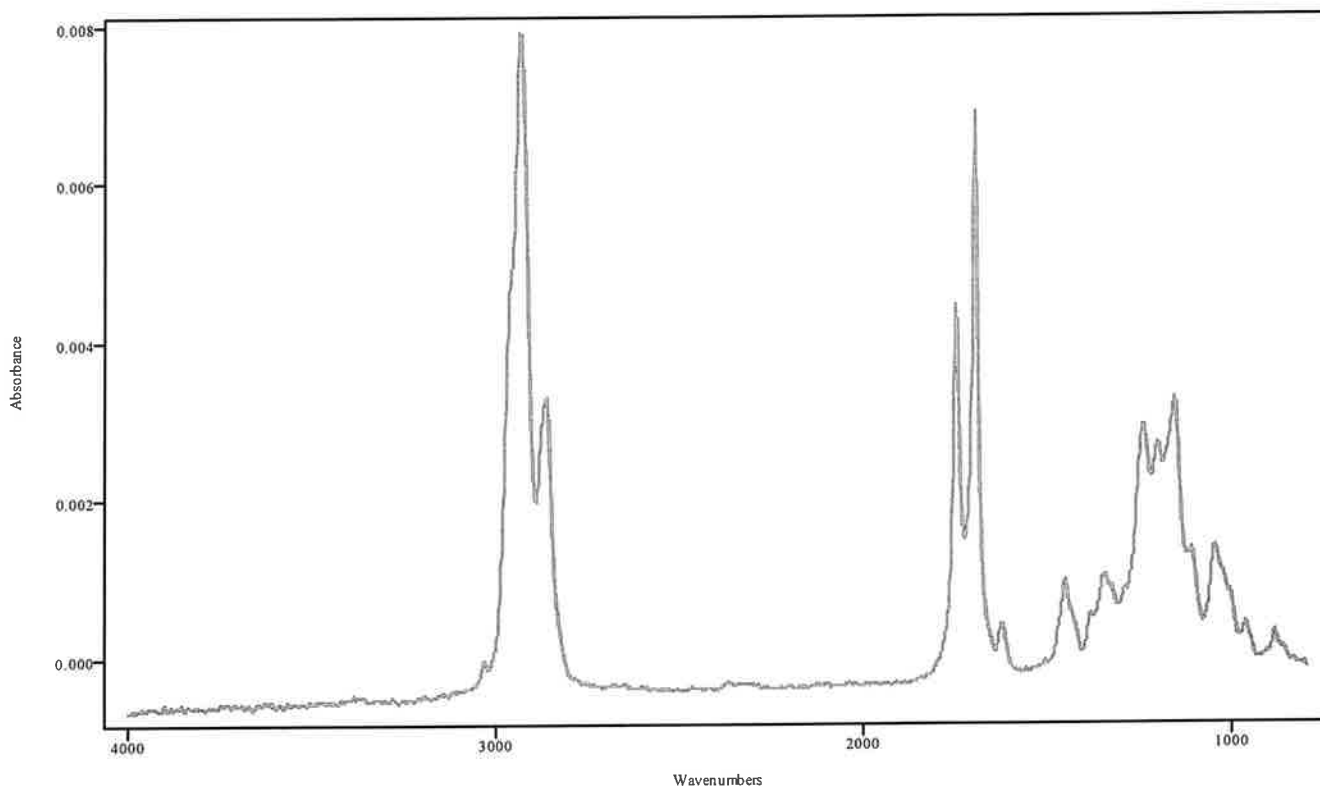
Data Filename	NANDROLONE DECANOATE 2022_March_03_111818
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL200TO270(30MIN)
GC Vial	4
Sample Name	NANDROLONE DECANOATE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Thu Mar 03 11:53:50 2022
Date Processed	Mon Mar 07 10:02:43 2022



Peak Start	Peak End	Peak Width	Reference Start	Reference End
4.043	4.229	0.187	2.688	3.345

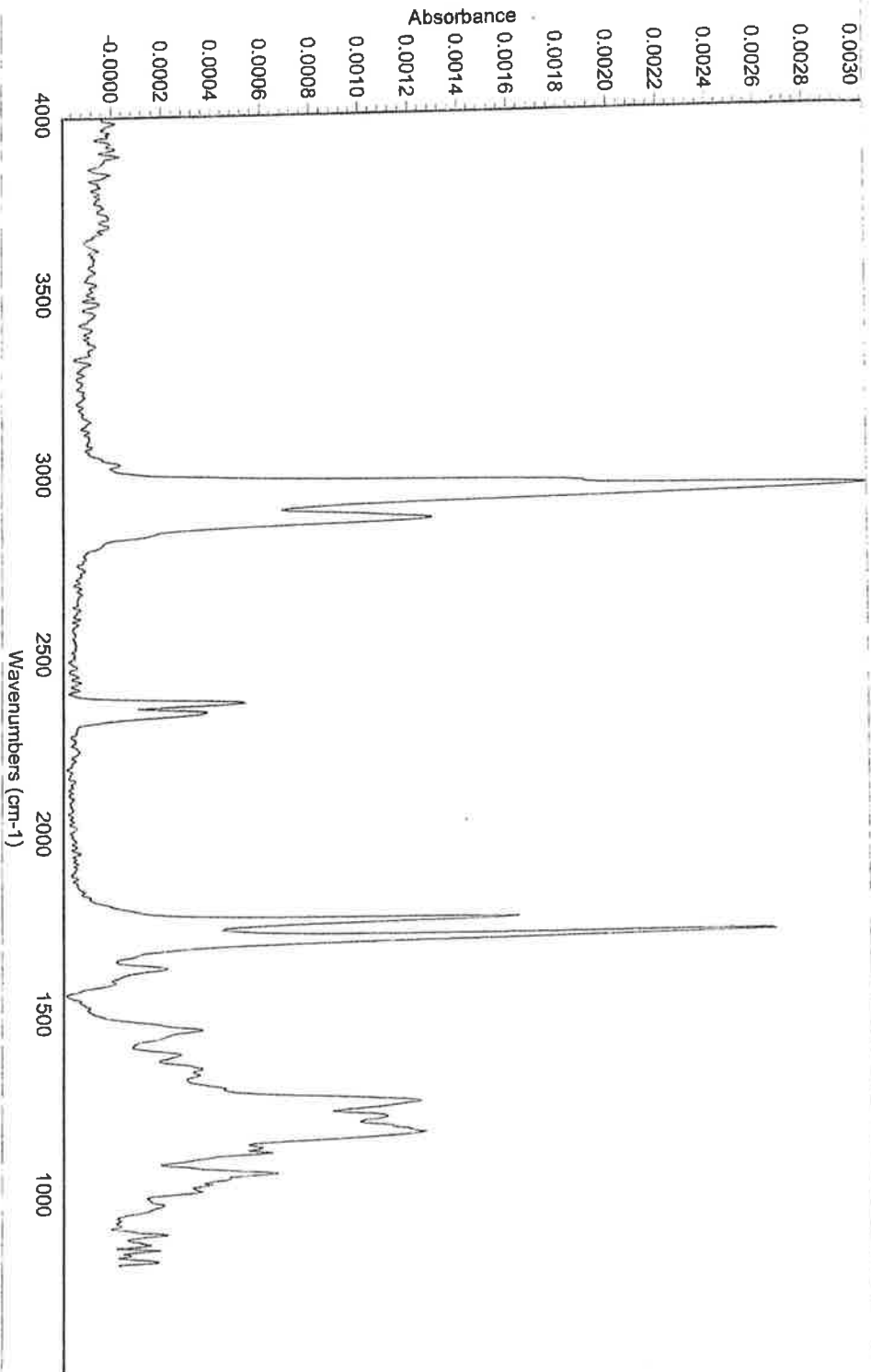
114

Data Filename	NANDROLONE DECANOATE 2022_March_03_111818
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL200TO270(30MIN)
GC Vial	4
Sample Name	NANDROLONE DECANOATE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Thu Mar 03 11:53:50 2022
Date Processed	Mon Mar 07 10:02:43 2022



IRDATA.SPC: 4.19 minutes: AVE (4.04: 4.23) Ref. (2.69: 3.34) of NANDROLONE DECANOATE
2022_March_03_111818.cgm

Nandrolone Decanoate



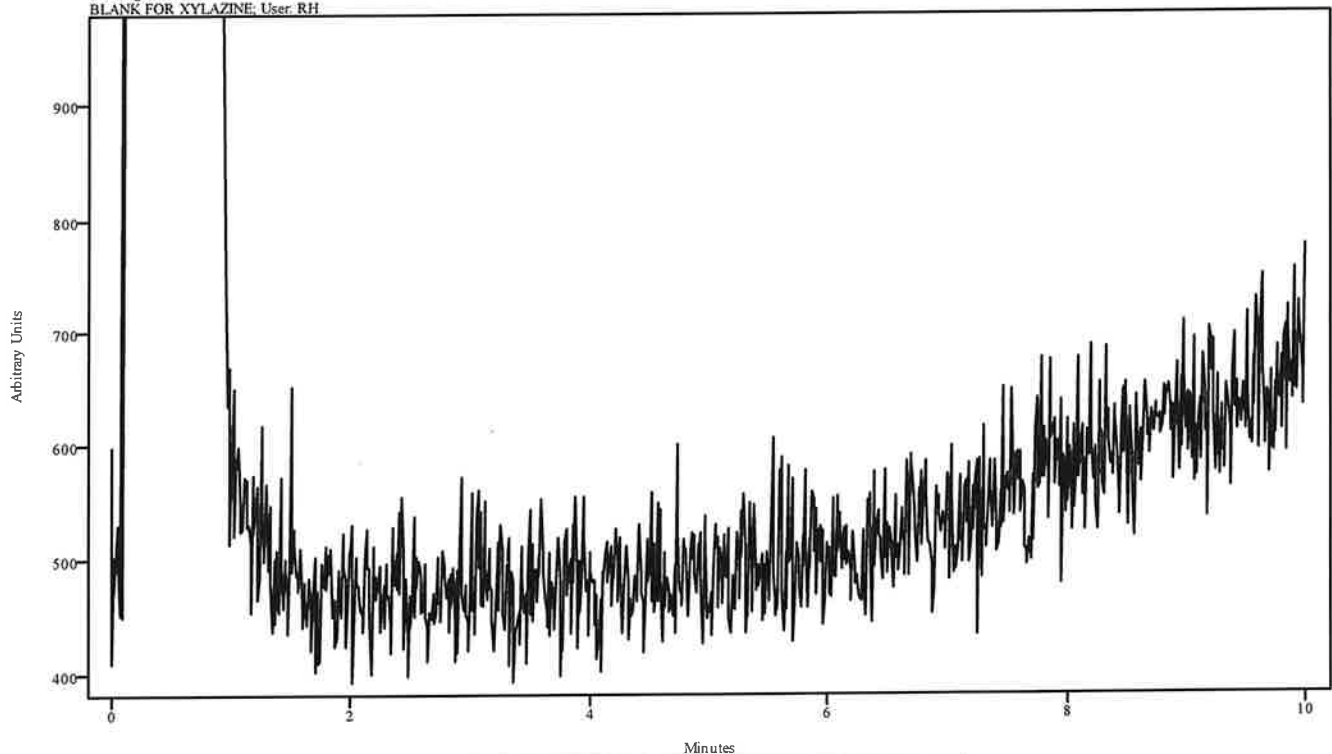
19-NORTESTOSTERONE (NANDROLONE) 17-DECANOATE SIGMA LOT# 67F07691 ISO 270C MeOH 9.29 - 9.65 min. 5m GBE
IR #1
Collection time: Tue Jul 15 19:28:33 2008 (GMT-05:00)

UHF

IRD Data Analysis Report

Data Filename	BLANK FOR XYLAZINE 2022_March_03_115350
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL90TO270@35C
GC Vial	1
Sample Name	BLANK FOR XYLAZINE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Thu Mar 03 12:10:23 2022
Date Processed	Mon Mar 07 10:04:58 2022

irdata.cgm: BLANK FOR XYLAZINE 2022_March_03_115350\irdata.cgm : Misc. Info: MEOH:CURIE; Sample: BLANK FOR XYLAZINE; User: RH

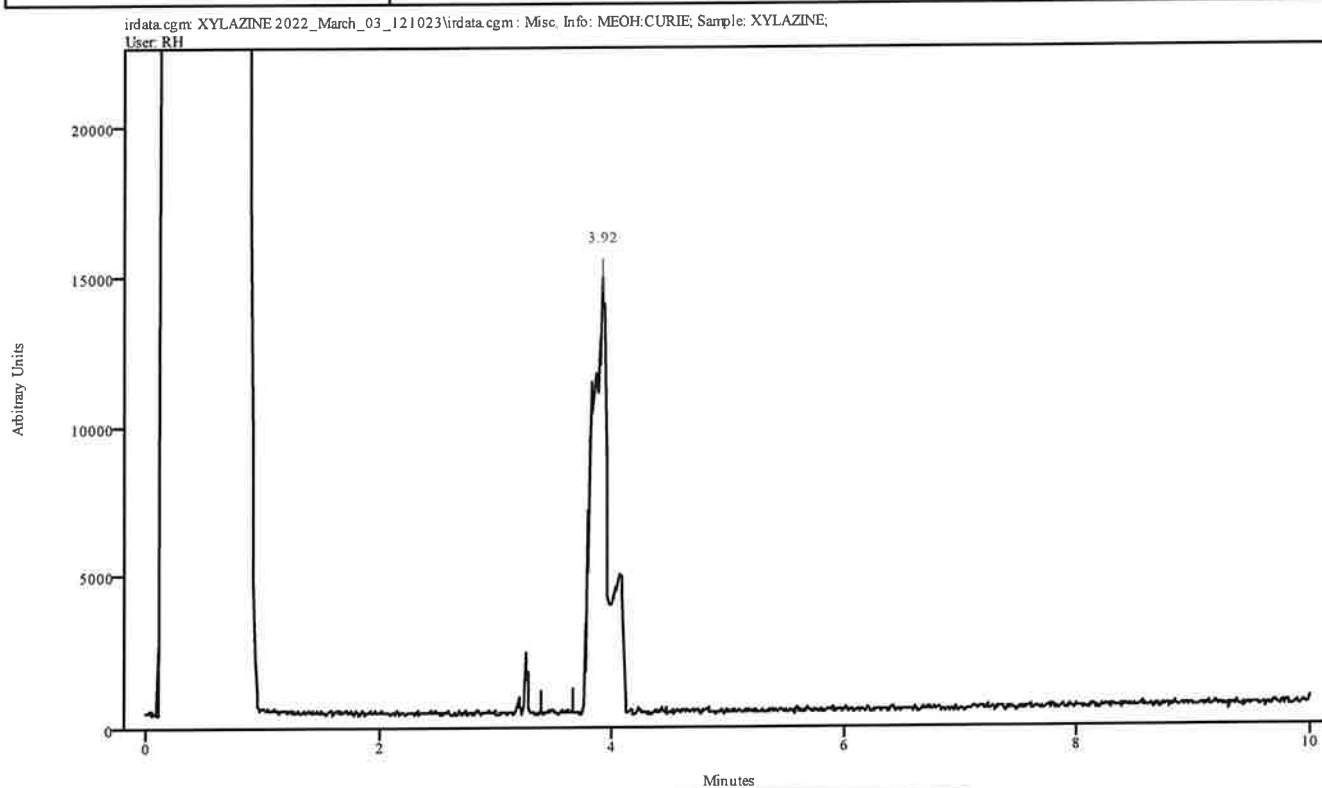


Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

11

IRD Data Analysis Report

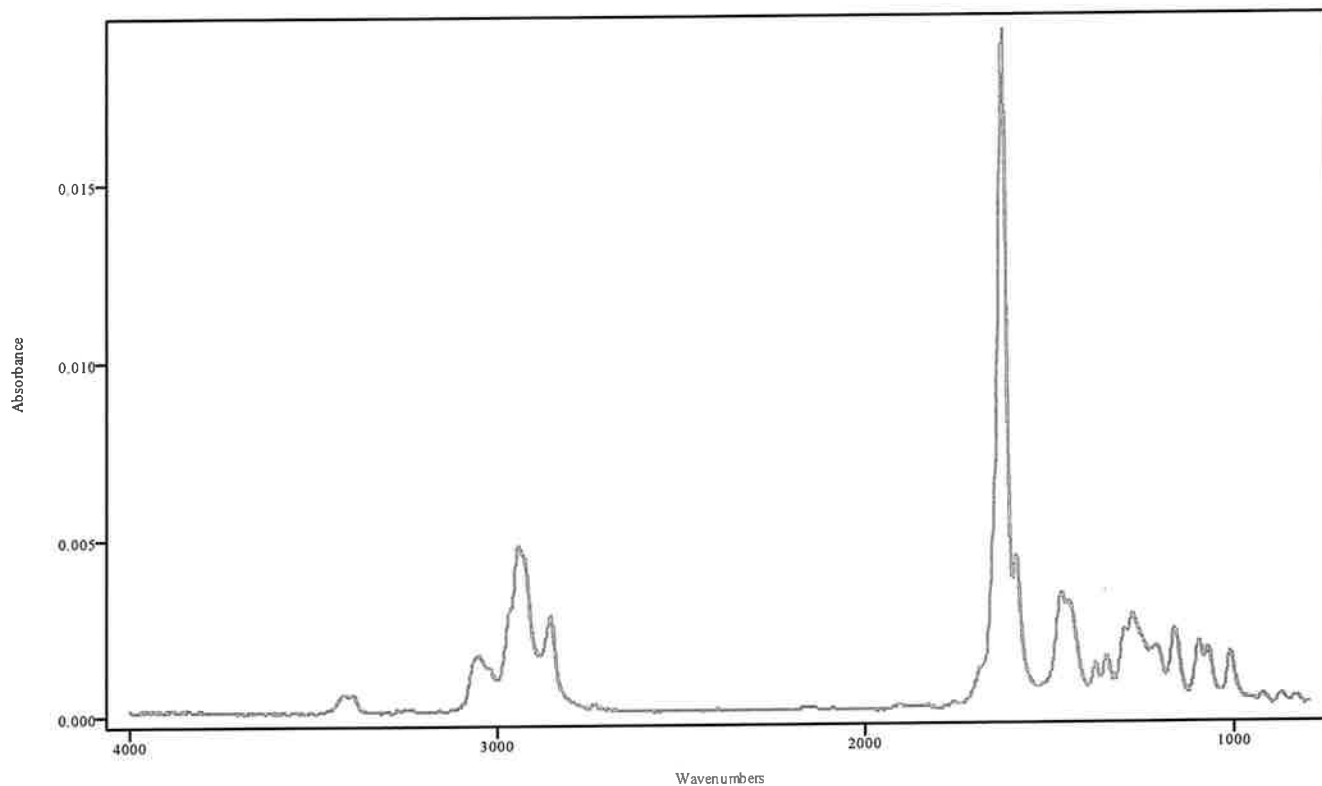
Data Filename	XYLAZINE 2022_March_03_121023
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL90TO270@35C
GC Vial	5
Sample Name	XYLAZINE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Thu Mar 03 12:26:42 2022
Date Processed	Mon Mar 07 10:05:54 2022



Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.805	3.949	0.143	3.393	3.665

MF

Data Filename	XYLAZINE 2022_March_03_121023
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL90TO270@35C
GC Vial	5
Sample Name	XYLAZINE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Thu Mar 03 12:26:42 2022
Date Processed	Mon Mar 07 10:05:54 2022

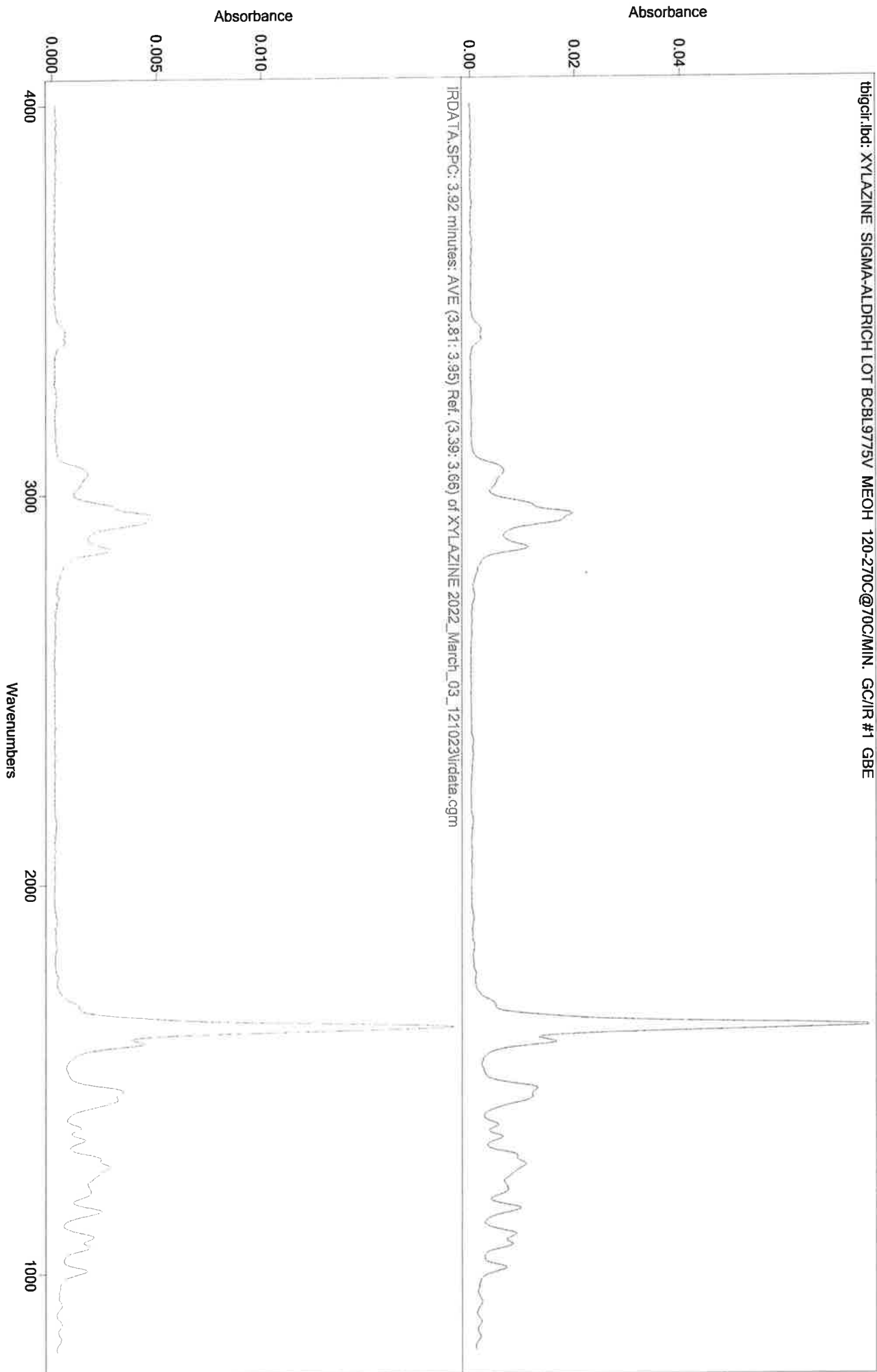


IRDATA.SPC: 3.92 minutes: AVE (3.81: 3.95) Ref. (3.39: 3.66) of XYLAZINE
2022_March_03_121023.cgm

XYLAZINE

Wt

tbigr.lbd: XYLAZINE SIGMA-ALDRICH LOT BCB19775V MEOH 120-270C@70C/MIN. GC/IR #1 GBE

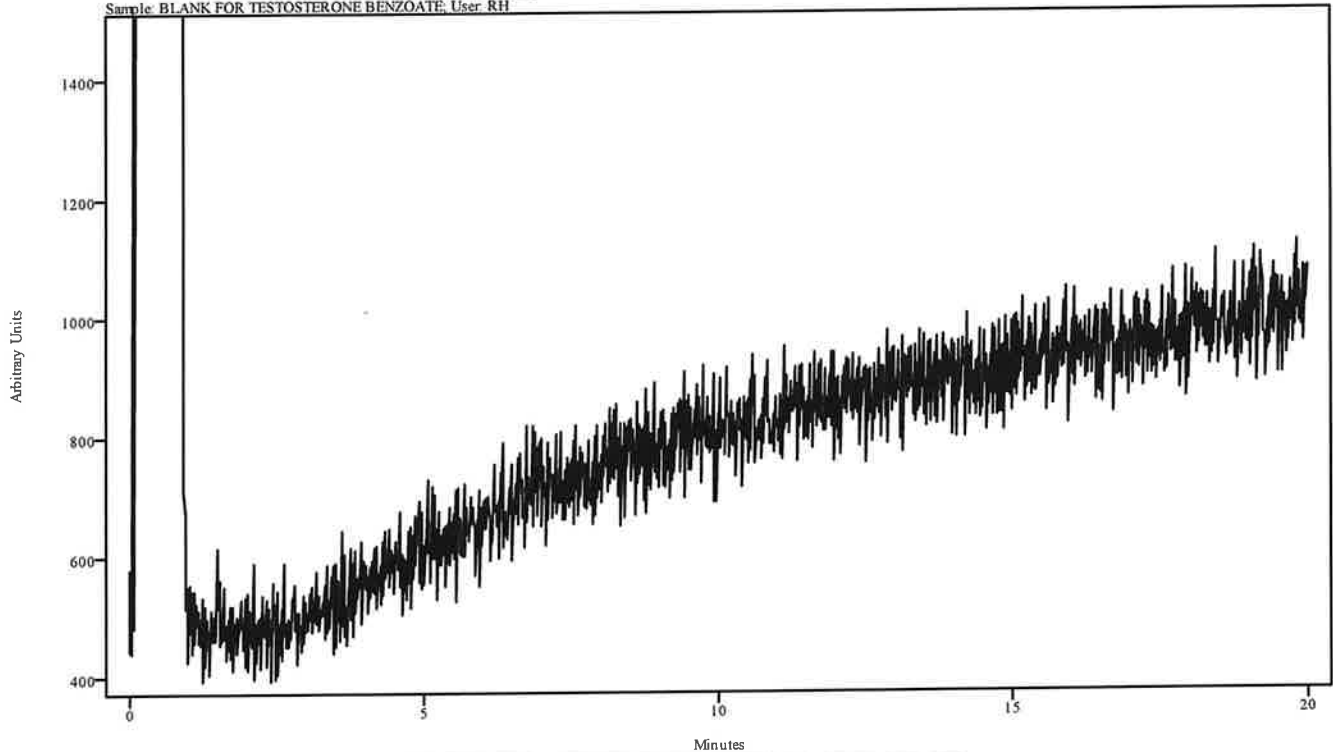


MA

IRD Data Analysis Report

Data Filename	BLANK FOR TESTOST BENZOATE 2022_March_03_122642
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL200TO270(20MIN)
GC Vial	1
Sample Name	BLANK FOR TESTOSTERONE BENZOATE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Thu Mar 03 12:52:36 2022
Date Processed	Mon Mar 07 10:04:03 2022

irdata.cgm: BLANK FOR TESTOST BENZOATE 2022_March_03_122642\irdata.cgm : Misc. Info: MEOH:CURIE;
Sample: BLANK FOR TESTOSTERONE BENZOATE; User: RH



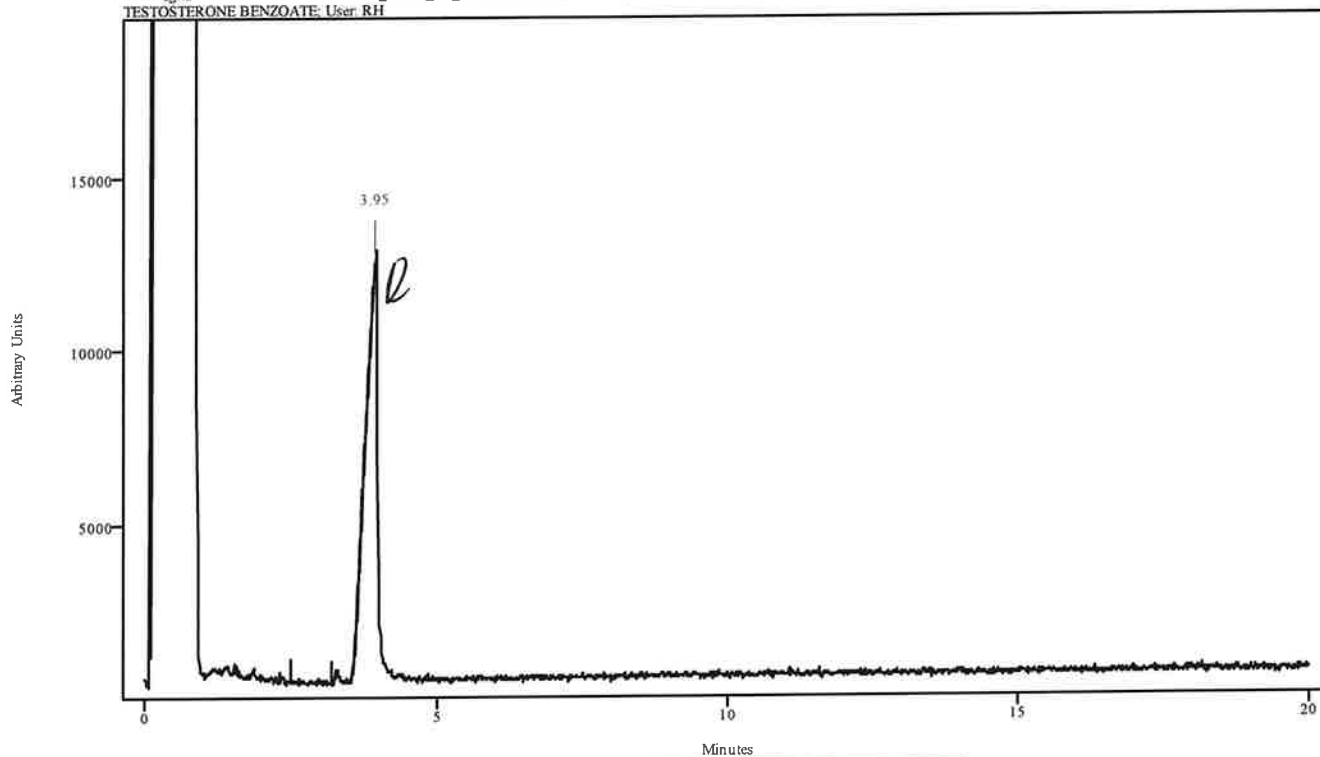
Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

CH

IRD Data Analysis Report

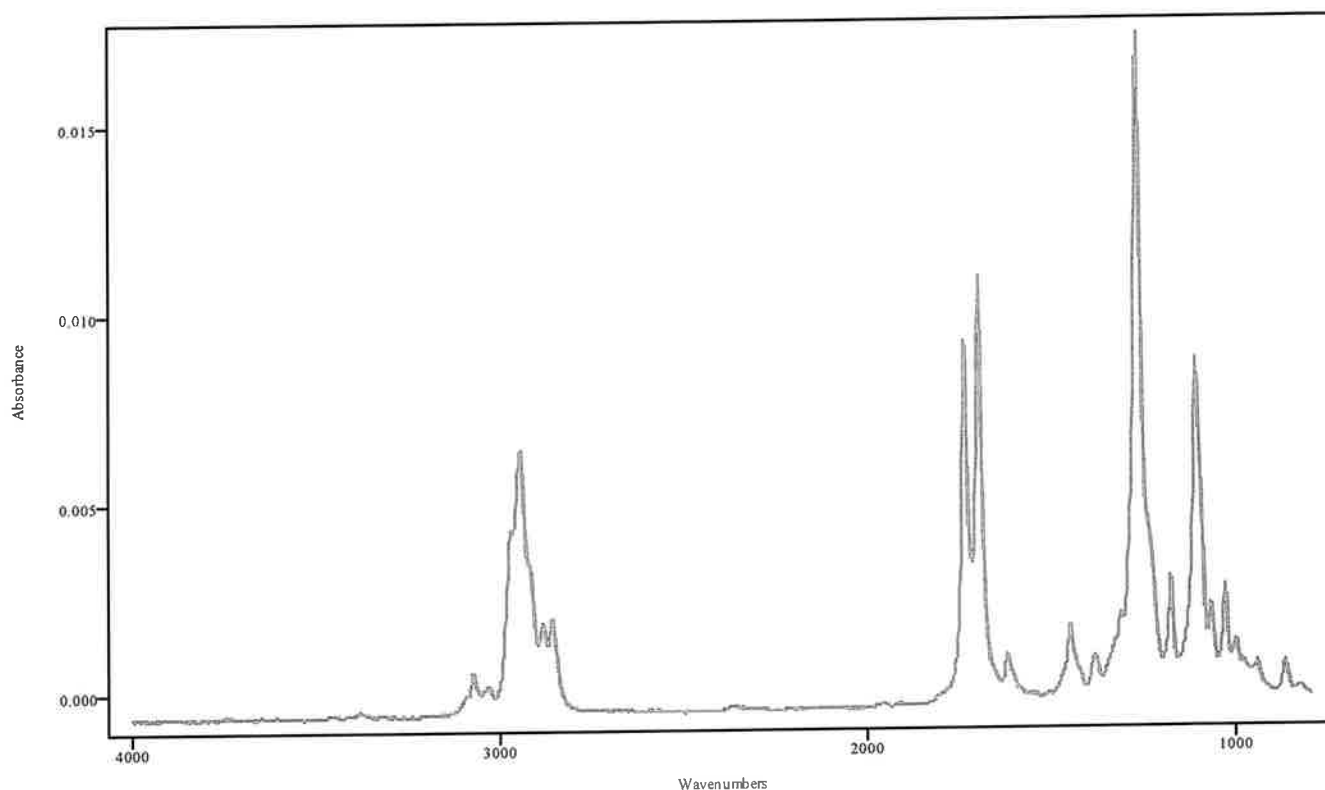
Data Filename	TESTOST BENZOATE 2022_March_03_125236
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL200TO270(20MIN)
GC Vial	6
Sample Name	TESTOSTERONE BENZOATE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Thu Mar 03 13:18:03 2022
Date Processed	Mon Mar 07 10:04:39 2022

irdata.cgm: TESTOST BENZOATE 2022_March_03_125236\irdata.cgm : Misc. Info: MEOH:CURIE; Sample: TESTOSTERONE BENZOATE; User: RH



Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.740	3.992	0.252	2.478	3.194

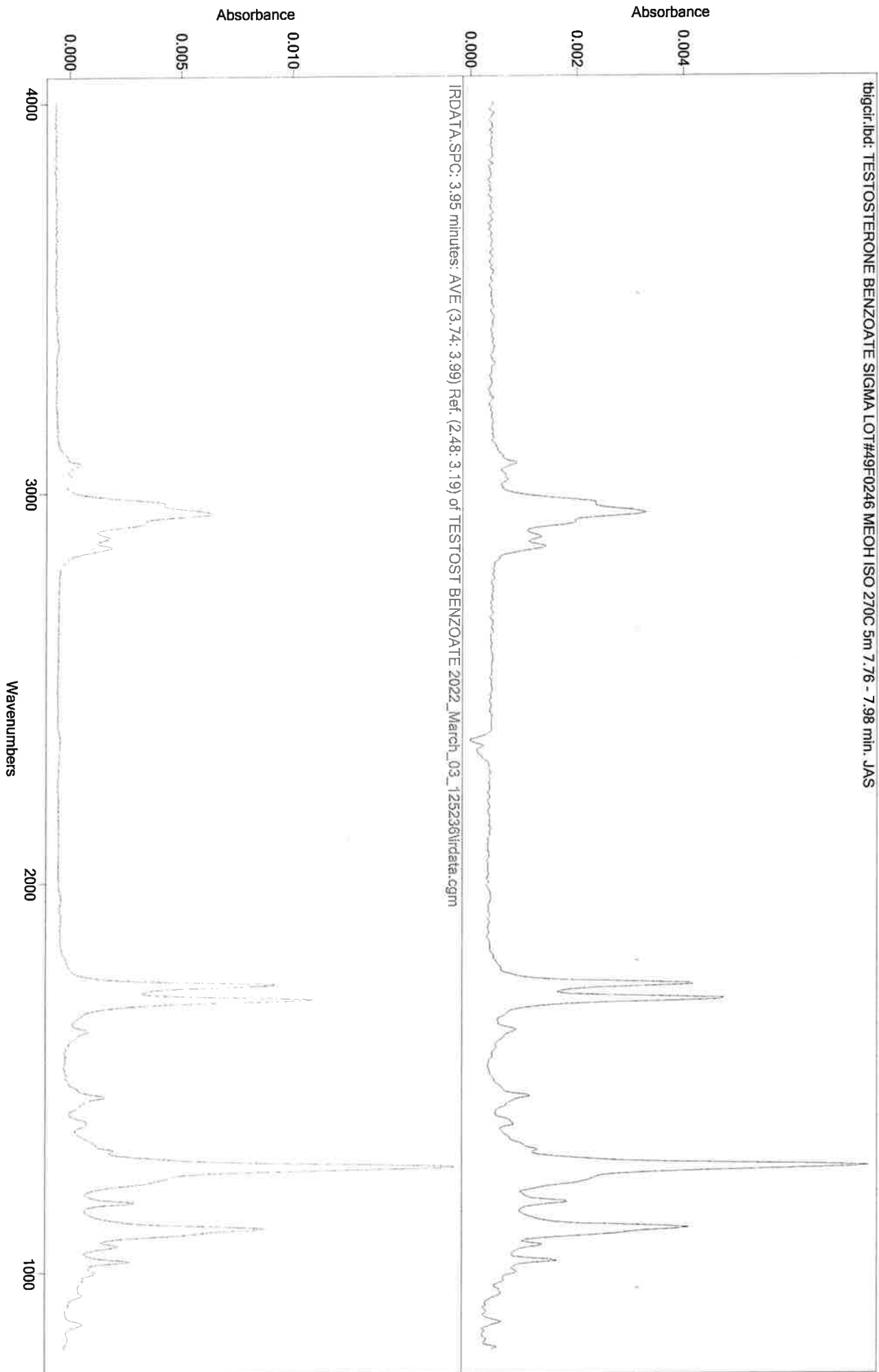
Data Filename	TESTOST BENZOATE 2022_March_03_125236
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL200TO270(20MIN)
GC Vial	6
Sample Name	TESTOSTERONE BENZOATE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Thu Mar 03 13:18:03 2022
Date Processed	Mon Mar 07 10:04:39 2022



IRDATA.SPC: 3.95 minutes: AVE (3.74: 3.99) Ref. (2.48: 3.19) of TESTOST BENZOATE
2022_March_03_125236.cgm

Testosterone Benzoate

44

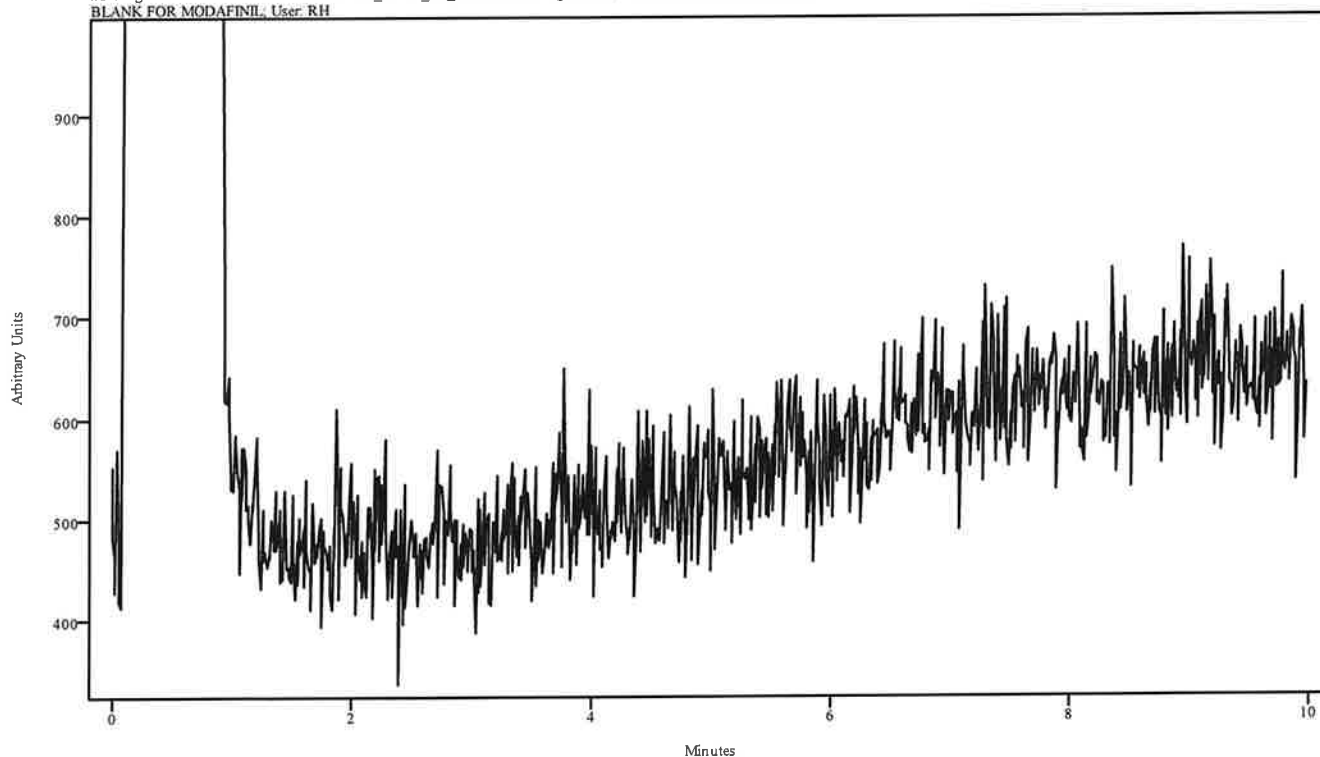


UH

IRD Data Analysis Report

Data Filename	BLANK FOR MODAFINIL 2022_March_03_131803
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL200TO270
GC Vial	1
Sample Name	BLANK FOR MODAFINIL
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Thu Mar 03 13:33:26 2022
Date Processed	Mon Mar 07 09:58:03 2022

irdata.cgm: BLANK FOR MODAFINIL 2022_March_03_131803 irdata.cgm : Misc. Info: MEOH:CURIE; Sample: BLANK FOR MODAFINIL; User: RH



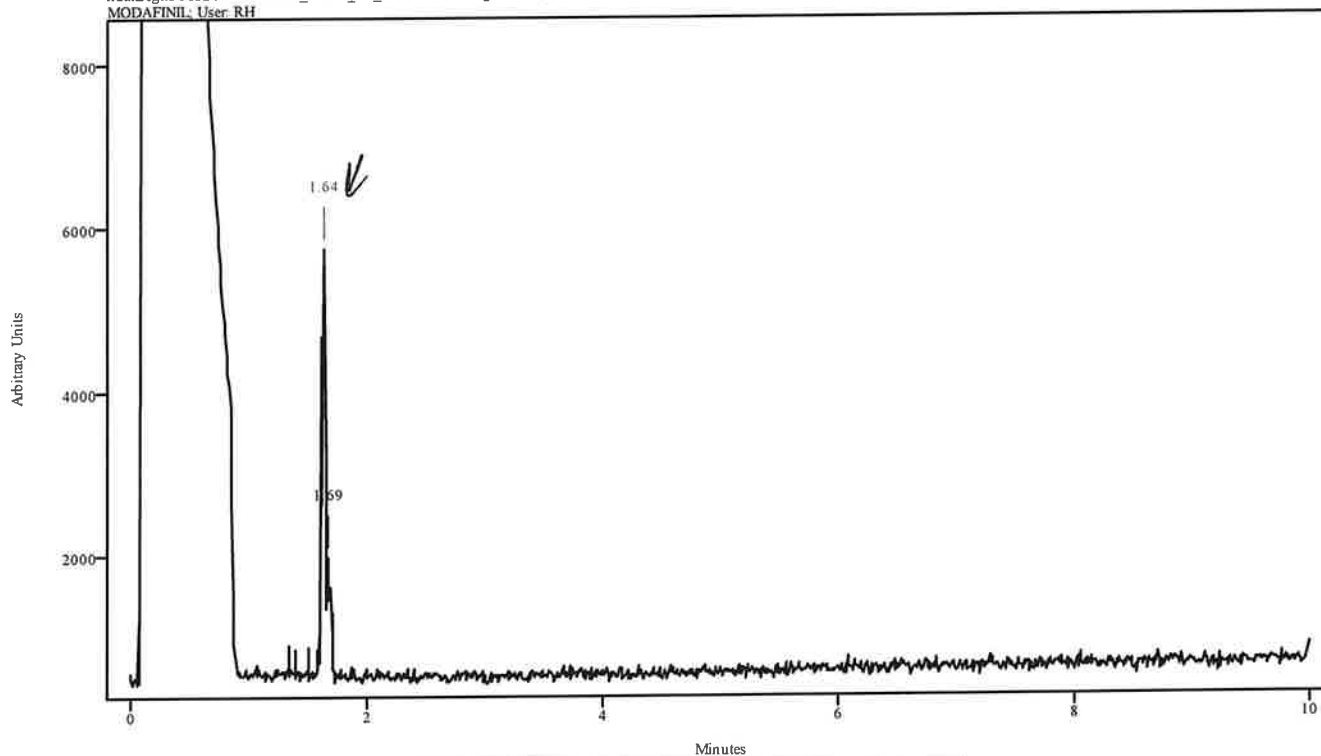
Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

YH

IRD Data Analysis Report

Data Filename	MODAFINIL 2022_March_03_133326
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL200TO270
GC Vial	7
Sample Name	MODAFINIL
Misc. Info	ACETONITRILE:CURIE
User ID	RH
Injection Time	Thu Mar 03 13:48:56 2022
Date Processed	Mon Mar 07 09:59:19 2022

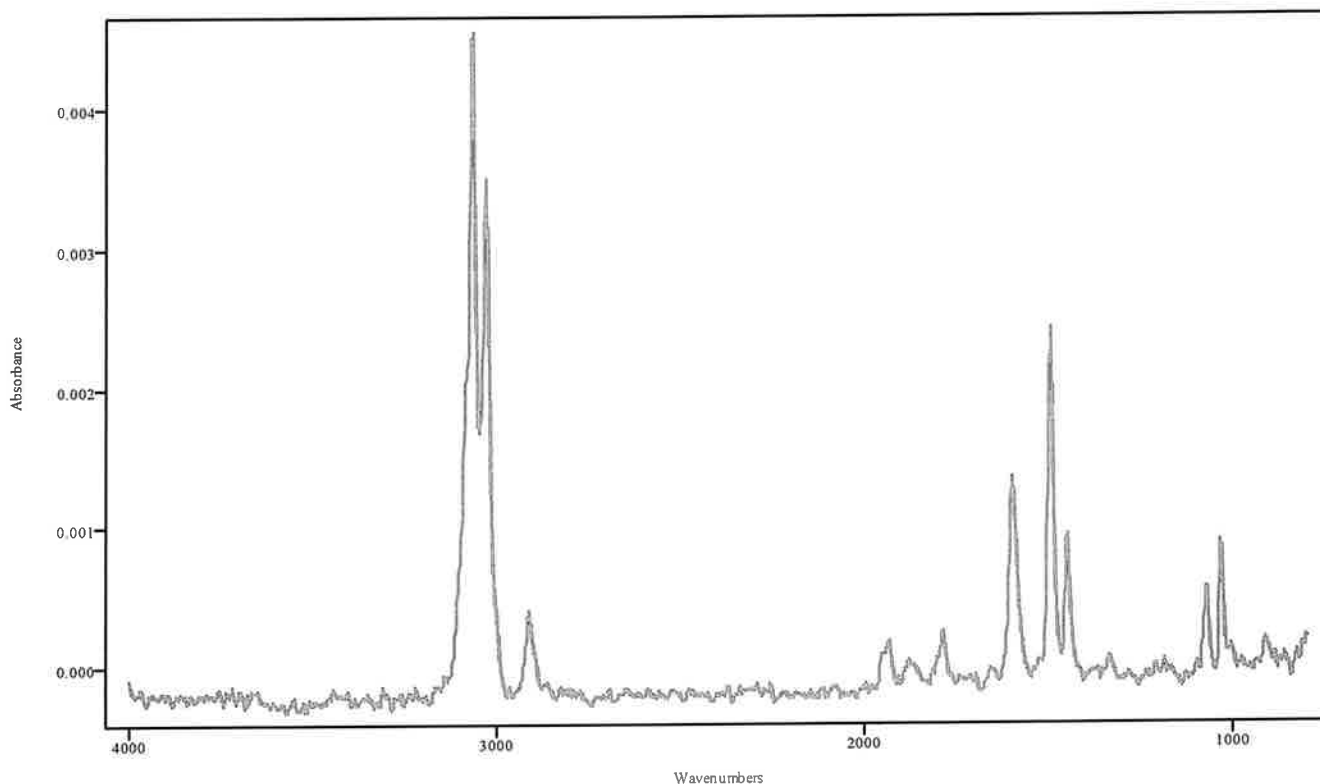
irdata.cgm: MODAFINIL 2022_March_03_133326\irdata.cgm : Misc. Info: ACETONITRILE:CURIE; Sample: MODAFINIL; User: RH



Peak Start	Peak End	Peak Width	Reference Start	Reference End
1.622	1.655	0.033	1.359	1.517
1.677	1.710	0.033	1.414	1.589

MA

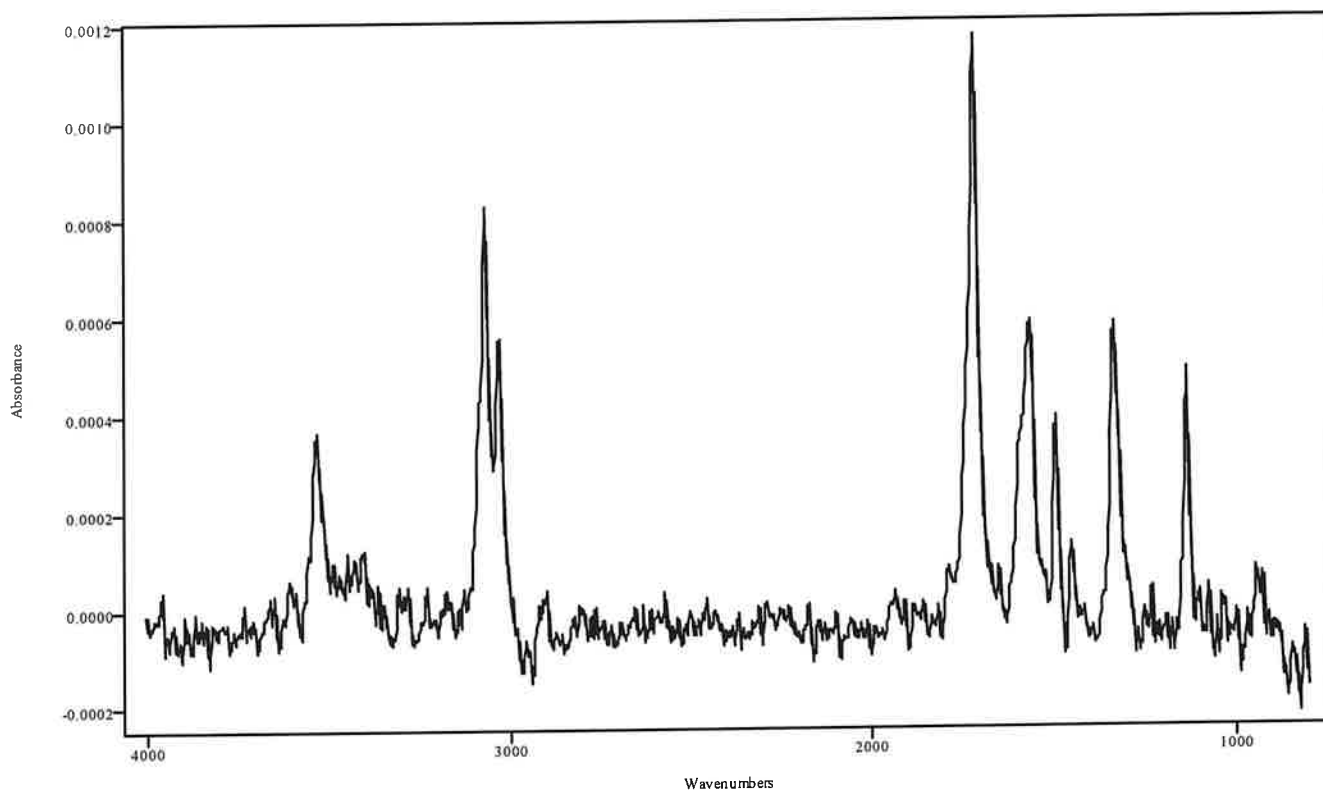
Data Filename	MODAFINIL 2022_March_03_133326
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL200TO270
GC Vial	7
Sample Name	MODAFINIL
Misc. Info	ACETONITRILE:CURIE
User ID	RH
Injection Time	Thu Mar 03 13:48:56 2022
Date Processed	Mon Mar 07 09:59:19 2022



IRDATA.SPC: 1.64 minutes: AVE (1.62: 1.65) Ref. (1.36: 1.51) of MODAFINIL
2022_March_03_133326.cgm

Modafinil

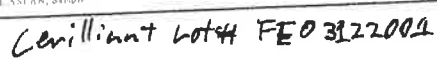
Data Filename	MODAFINIL 2022_March_03_133326
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL200TO270
GC Vial	7
Sample Name	MODAFINIL
Misc. Info	ACETONITRILE:CURIE
User ID	RH
Injection Time	Thu Mar 03 13:48:56 2022
Date Processed	Mon Mar 07 09:59:19 2022



IRDATA.SPC: 1.69 minutes: AVE (1.68: 1.71) Ref. (1.41: 1.59) of MODAFINIL
 2022_March_03_133326.cgm

~~DNV~~ - possible breakdown

PH

[illegible]

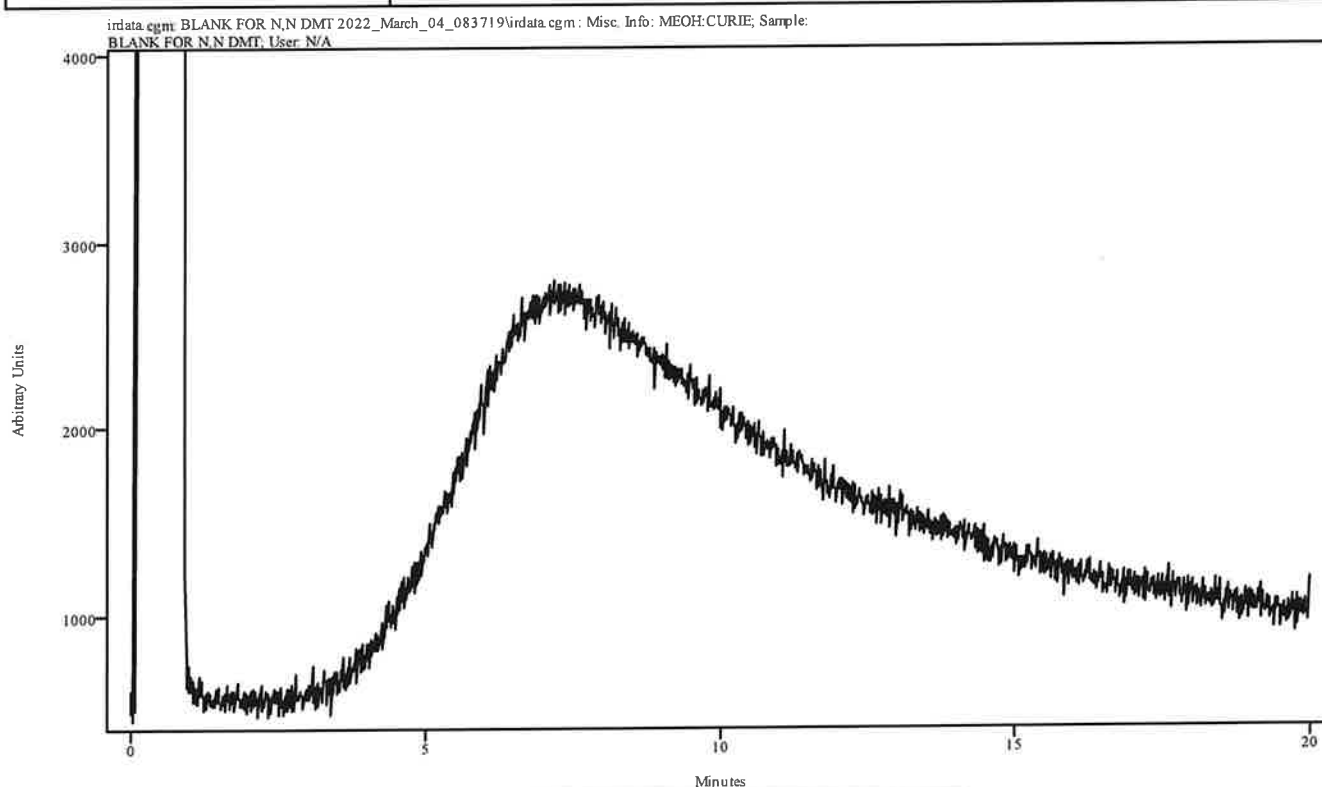
8.856	8.755	0.099	8.170	0.000
-------	-------	-------	-------	-------

IRDATA.SPC: 6.72 minutes: AVE (6.66: 6.76) Ref. (6.17: 6.57) of BH MODAFINIL STD 2021_October_01_170809.cgm

4/11

IRD Data Analysis Report

Data Filename	BLANK FOR N,N DMT 2022_March_04_083719
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL90TO270@35C(20MIN)
GC Vial	1
Sample Name	BLANK FOR N,N DMT
Misc. Info	MEOH:CURIE
User ID	N/A
Injection Time	Fri Mar 04 08:59:56 2022
Date Processed	Mon Mar 07 10:00:25 2022

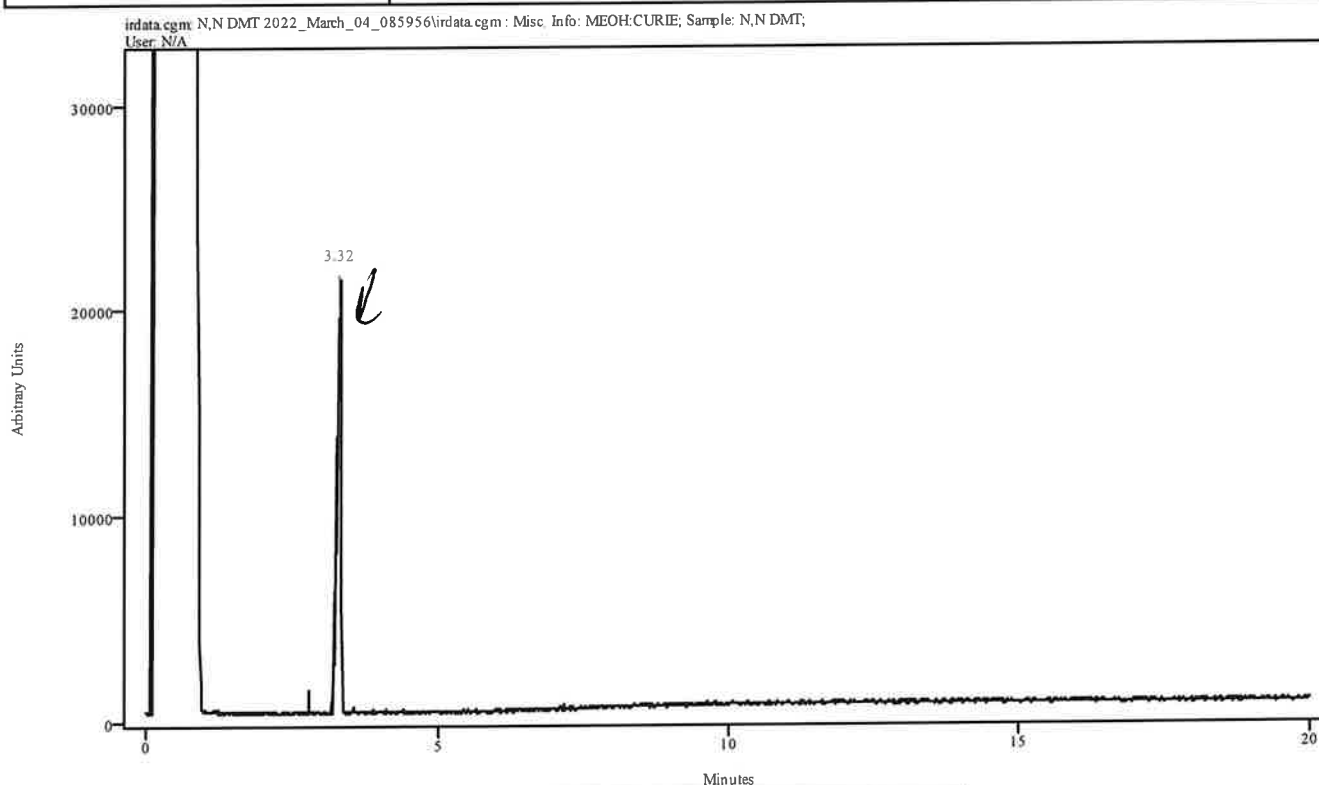


Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

IRD Data Analysis Report

Handwritten signature

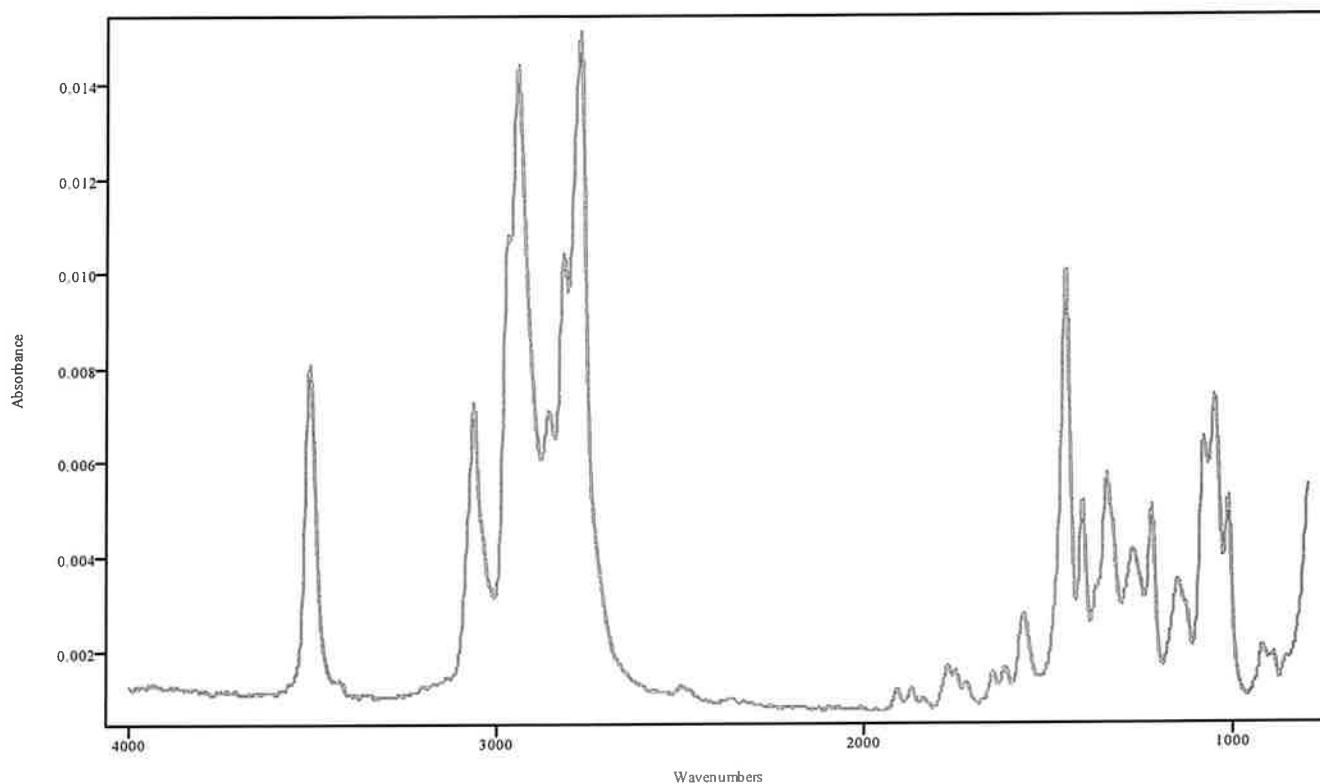
Data Filename	N,N DMT 2022_March_04_085956
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL90TO270@35C(20MIN)
GC Vial	8
Sample Name	N,N DMT
Misc. Info	MEOH:CURIE
User ID	N/A
Injection Time	Fri Mar 04 09:26:15 2022
Date Processed	Mon Mar 07 10:00:51 2022



Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.262	3.350	0.088	2.790	3.186

411

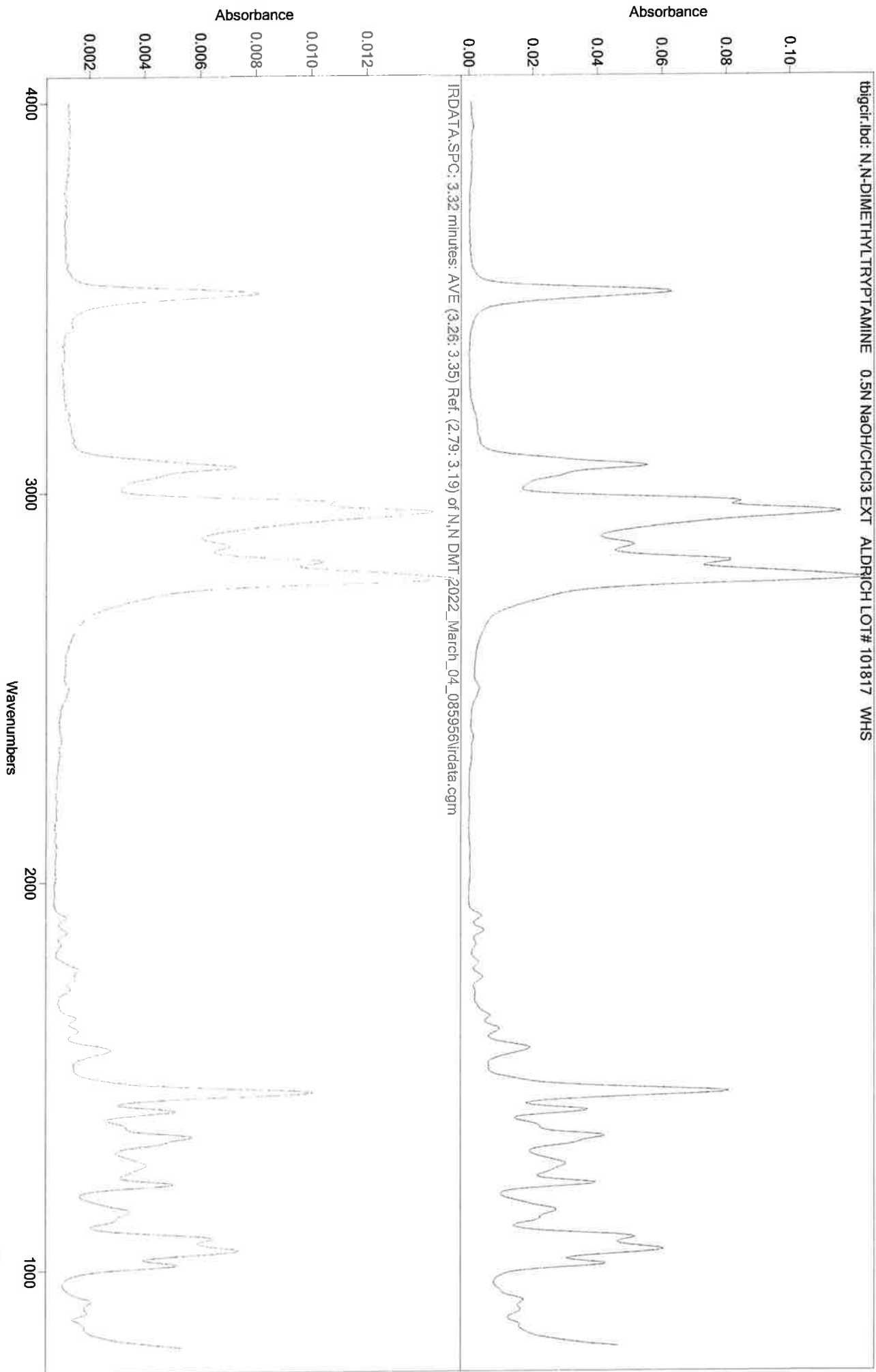
Data Filename	N,N DMT 2022_March_04_085956
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL90TO270@35C(20MIN)
GC Vial	8
Sample Name	N,N DMT
Misc. Info	MEOH:CURIE
User ID	N/A
Injection Time	Fri Mar 04 09:26:15 2022
Date Processed	Mon Mar 07 10:00:51 2022



IRDATA.SPC: 3.32 minutes: AVE (3.26: 3.35) Ref. (2.79: 3.19) of N,N DMT
2022_March_04_085956.cgm

N,N DMT

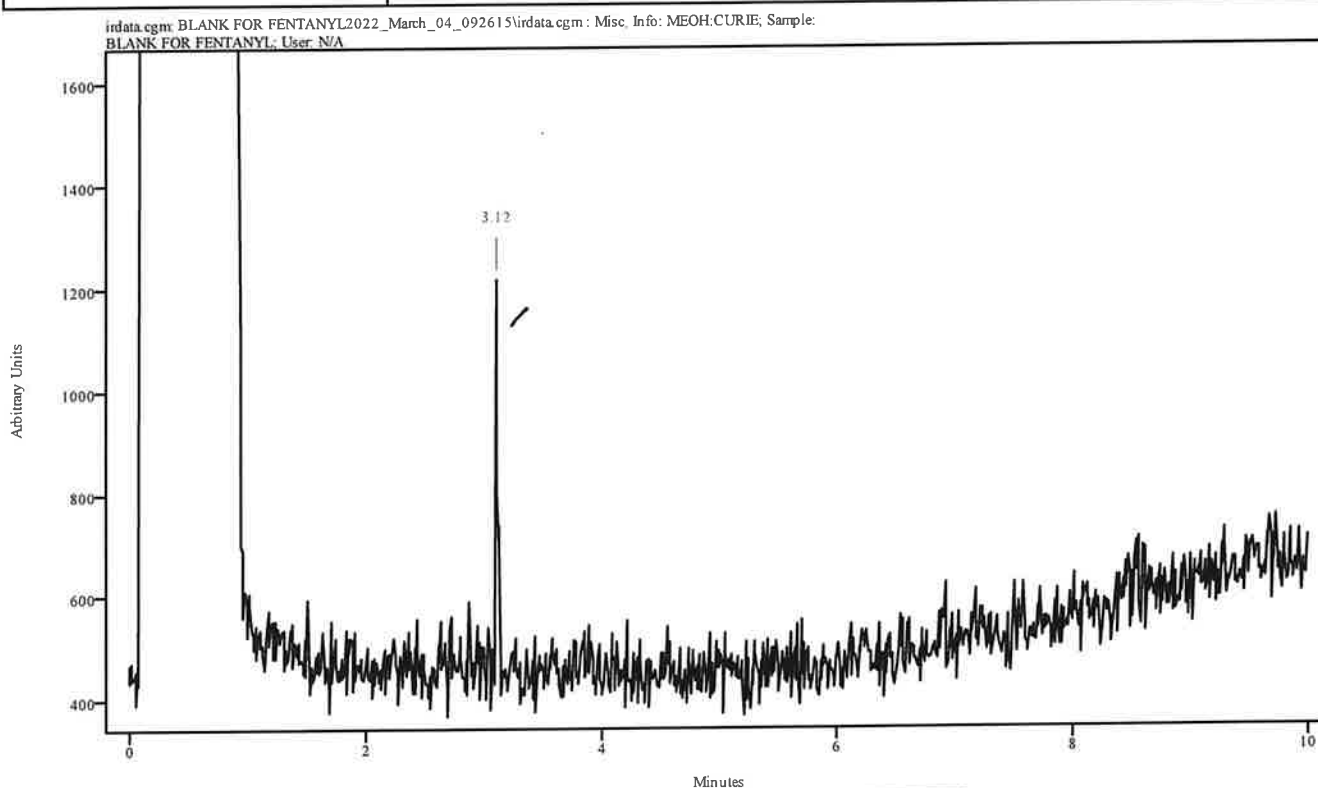
44



IRD Data Analysis Report

UH

Data Filename	BLANK FOR FENTANYL2022_March_04_092615
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL90TO270@35C
GC Vial	2
Sample Name	BLANK FOR FENTANYL
Misc. Info	MEOH:CURIE
User ID	N/A
Injection Time	Fri Mar 04 09:42:35 2022
Date Processed	Mon Mar 07 09:45:46 2022

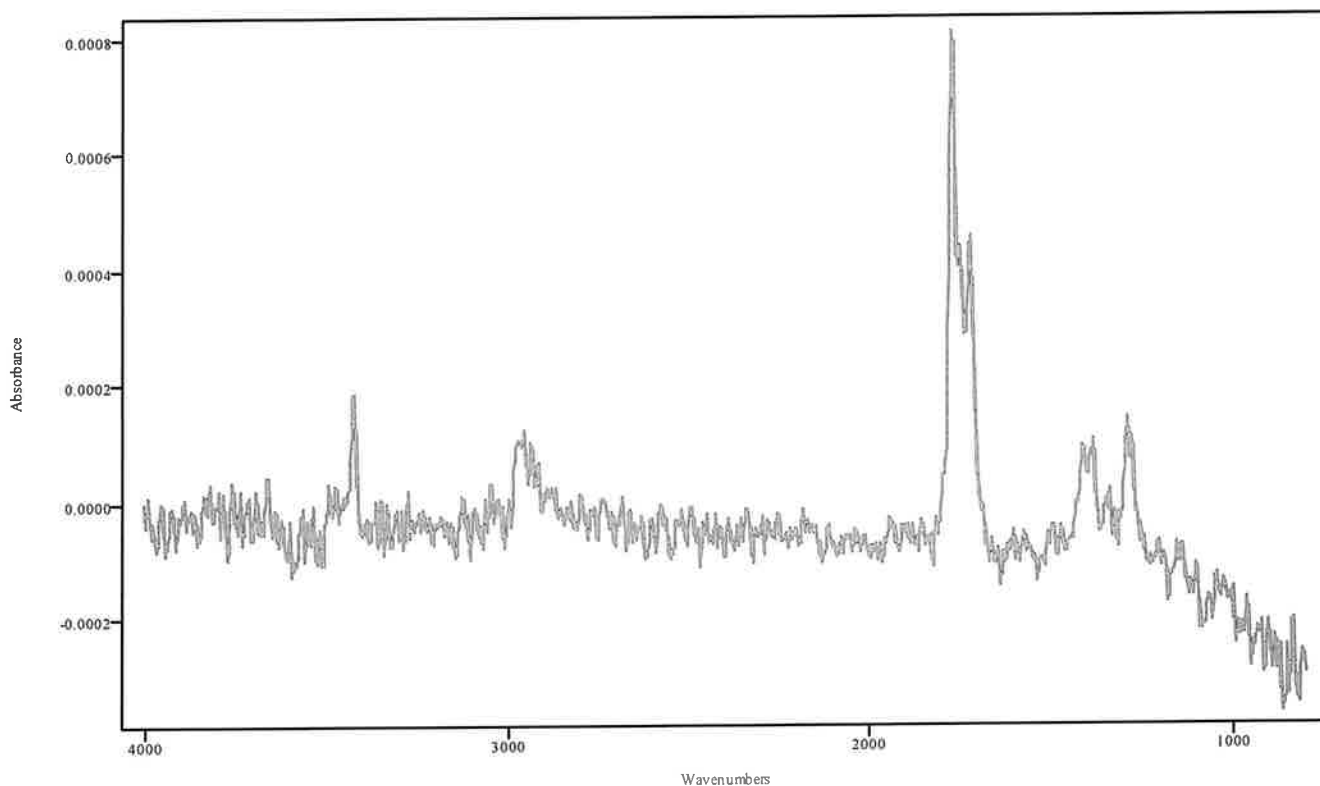


Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.103	3.131	0.033	2.812	3.076

BDNU - Carryover in blank. Penun.

44

Data Filename	BLANK FOR FENTANYL2022_March_04_092615
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL90TO270@35C
GC Vial	2
Sample Name	BLANK FOR FENTANYL
Misc. Info	MEOH:CURIE
User ID	N/A
Injection Time	Fri Mar 04 09:42:35 2022
Date Processed	Mon Mar 07 09:45:46 2022



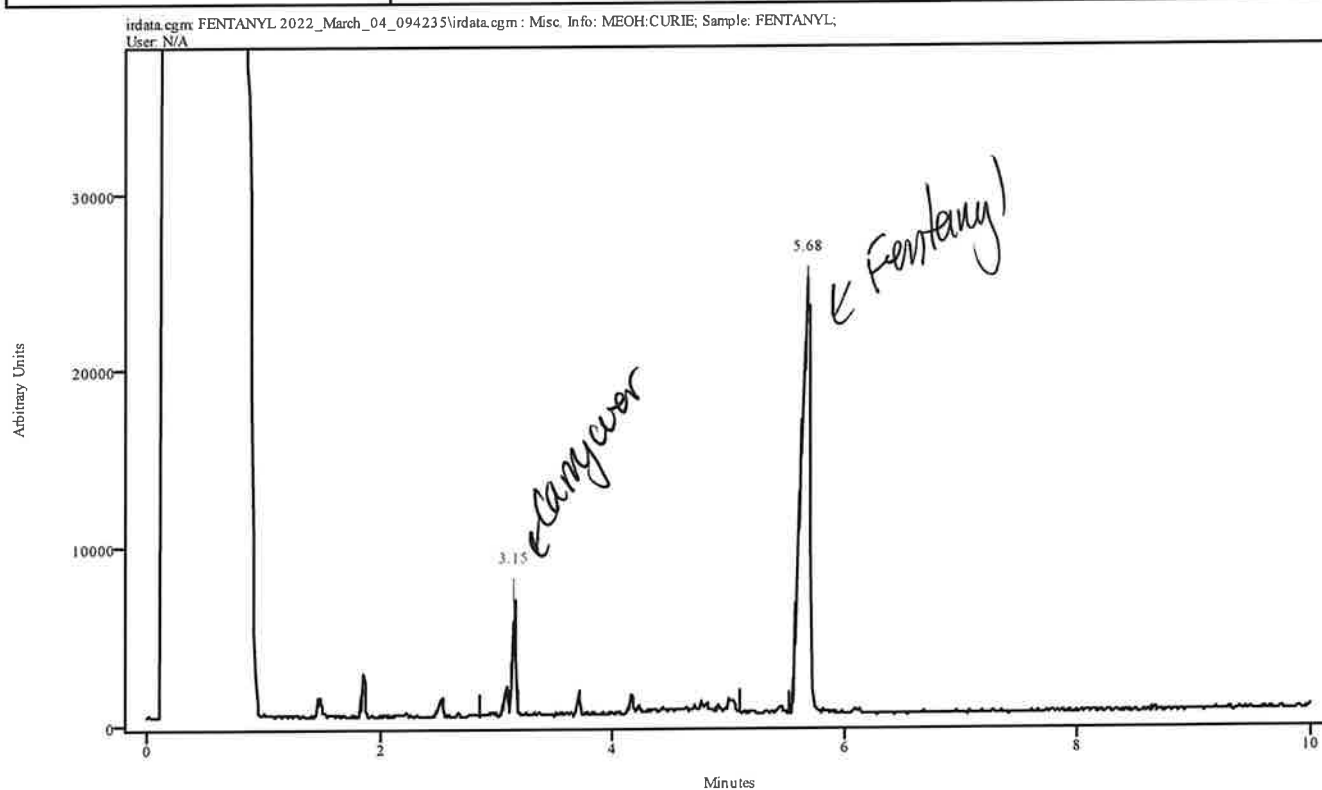
IRDATA.SPC: 3.12 minutes: AVE (3.10: 3.13) Ref. (2.81: 3.08) of BLANK FOR FENTANYL2022_March_04_092615.cgm

**DNU - Carryover in blank, Benin.*

HH

IRD Data Analysis Report

Data Filename	FENTANYL 2022_March_04_094235
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL90TO270@35C
GC Vial	9
Sample Name	FENTANYL
Misc. Info	MEOH:CURIE
User ID	N/A
Injection Time	Fri Mar 04 09:58:57 2022
Date Processed	Mon Mar 07 11:36:34 2022

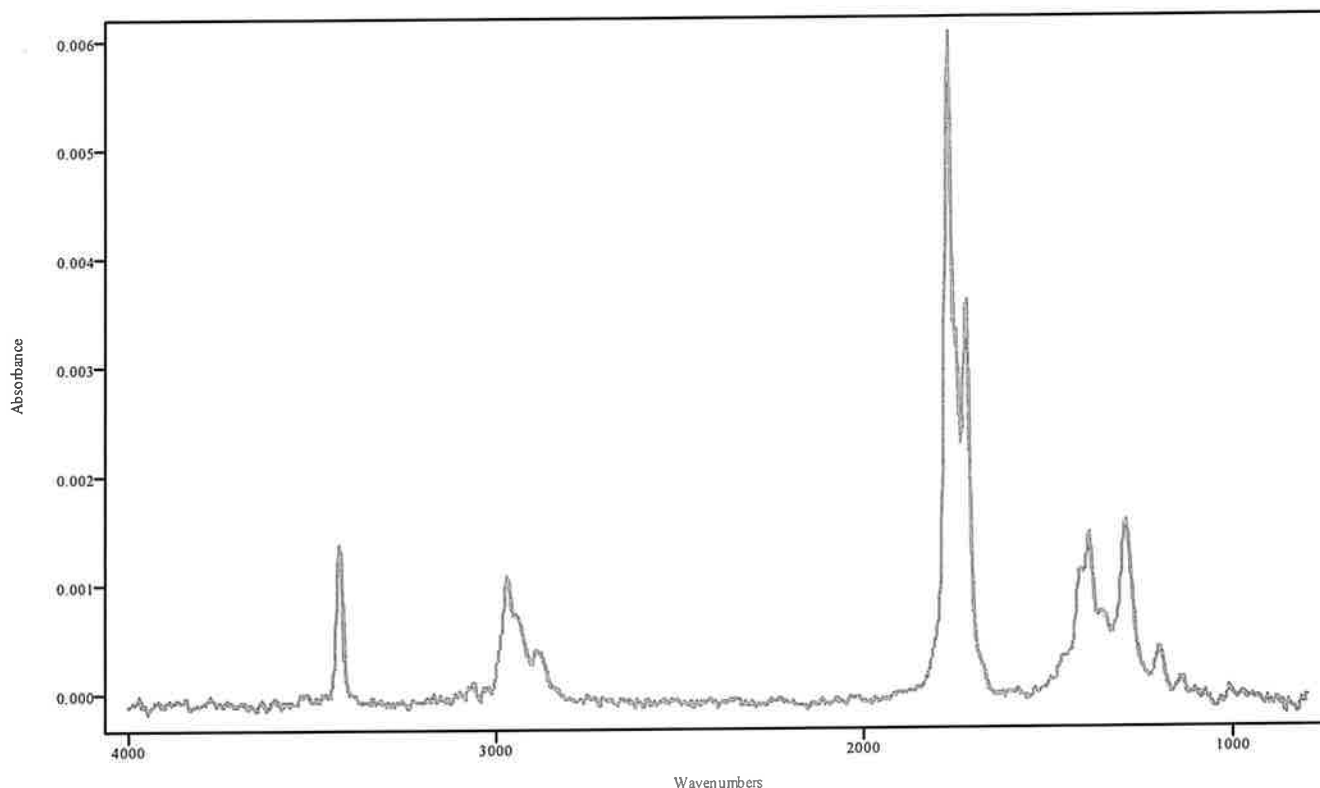


Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.127	3.182	0.055	2.841	3.105
5.606	5.716	0.110	5.090	5.529

*RDNV - Carryover in blank's sample.
Benin.*

NA

Data Filename	FENTANYL 2022_March_04_094235
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL90TO270@35C
GC Vial	9
Sample Name	FENTANYL
Misc. Info	MEOH:CURIE
User ID	N/A
Injection Time	Fri Mar 04 09:58:57 2022
Date Processed	Mon Mar 07 11:36:34 2022

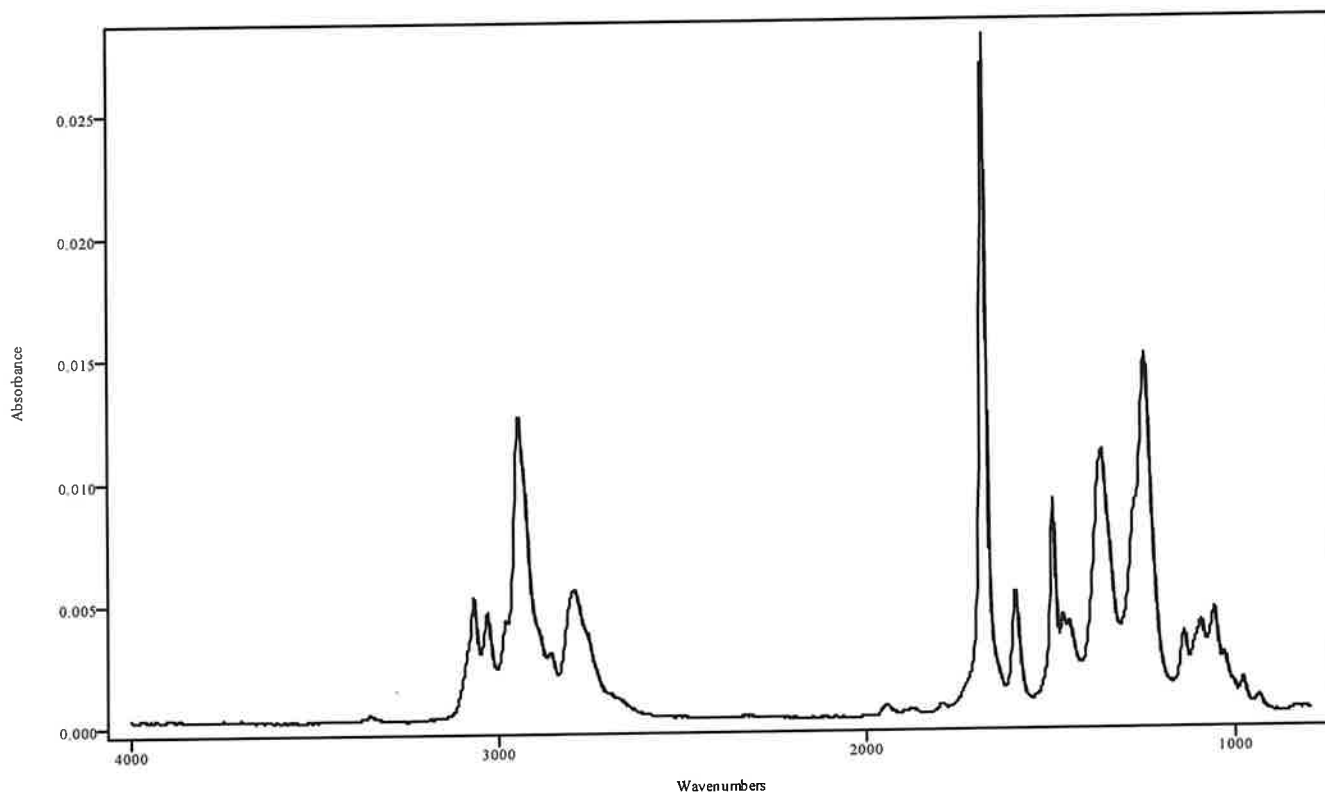


IRDATA.SPC: 3.15 minutes: AVE (3.13: 3.18) Ref. (2.84: 3.10) of FENTANYL
2022_March_04_094235.cgm

~~BDNU~~ - Carryover in blank's
sample. Renin

11

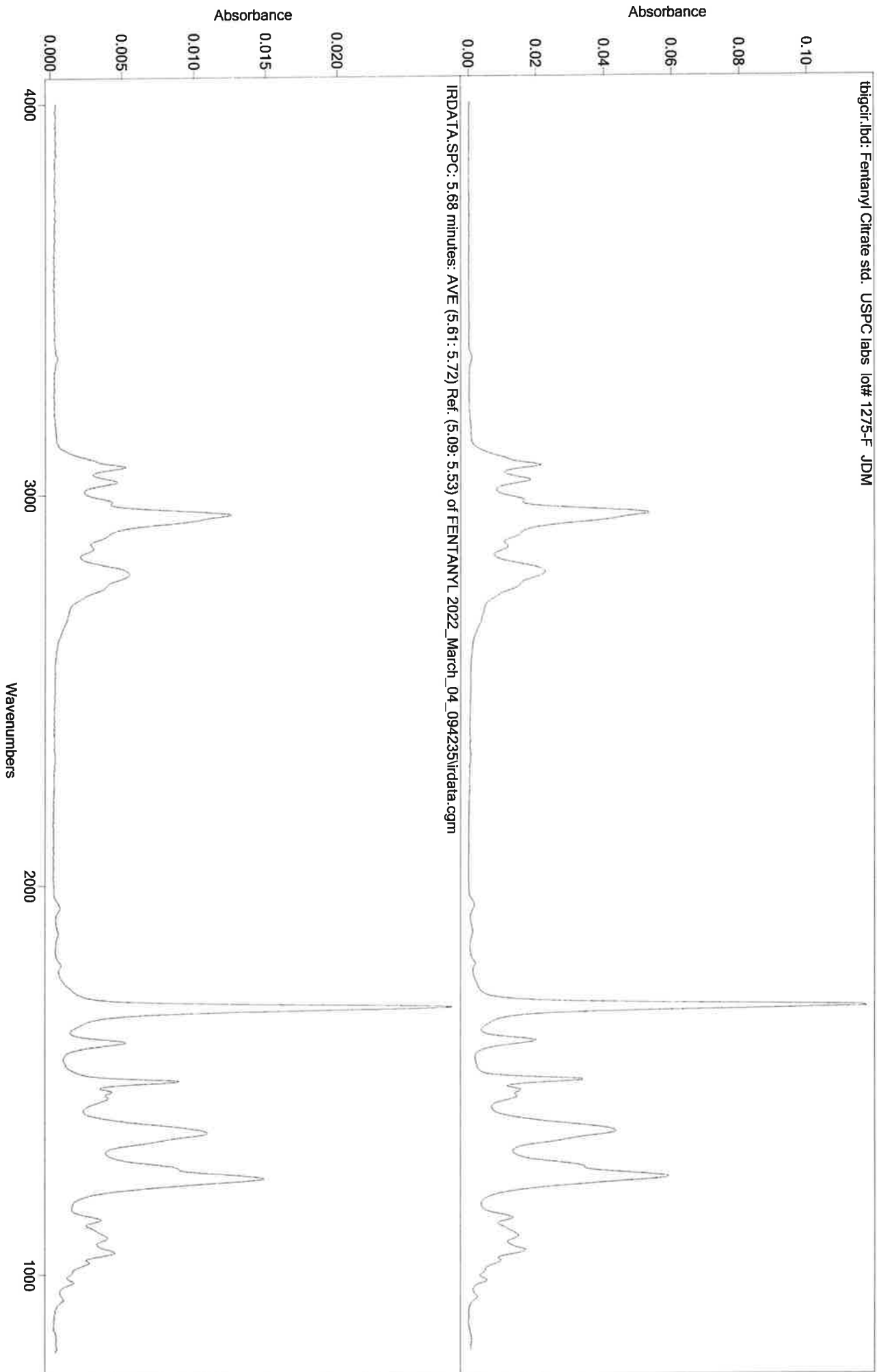
Data Filename	FENTANYL 2022_March_04_094235
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL90TO270@35C
GC Vial	9
Sample Name	FENTANYL
Misc. Info	MEOH:CURIE
User ID	N/A
Injection Time	Fri Mar 04 09:58:57 2022
Date Processed	Mon Mar 07 11:36:34 2022



IRDATA.SPC: 5.68 minutes: AVE (5.61: 5.72) Ref. (5.09: 5.53) of FENTANYL
2022_March_04_094235.cgm

*DNV - Carryover in blank
5 sample. Re-run.

CH



~~8~~ DMC - Carry over in blank. Run.

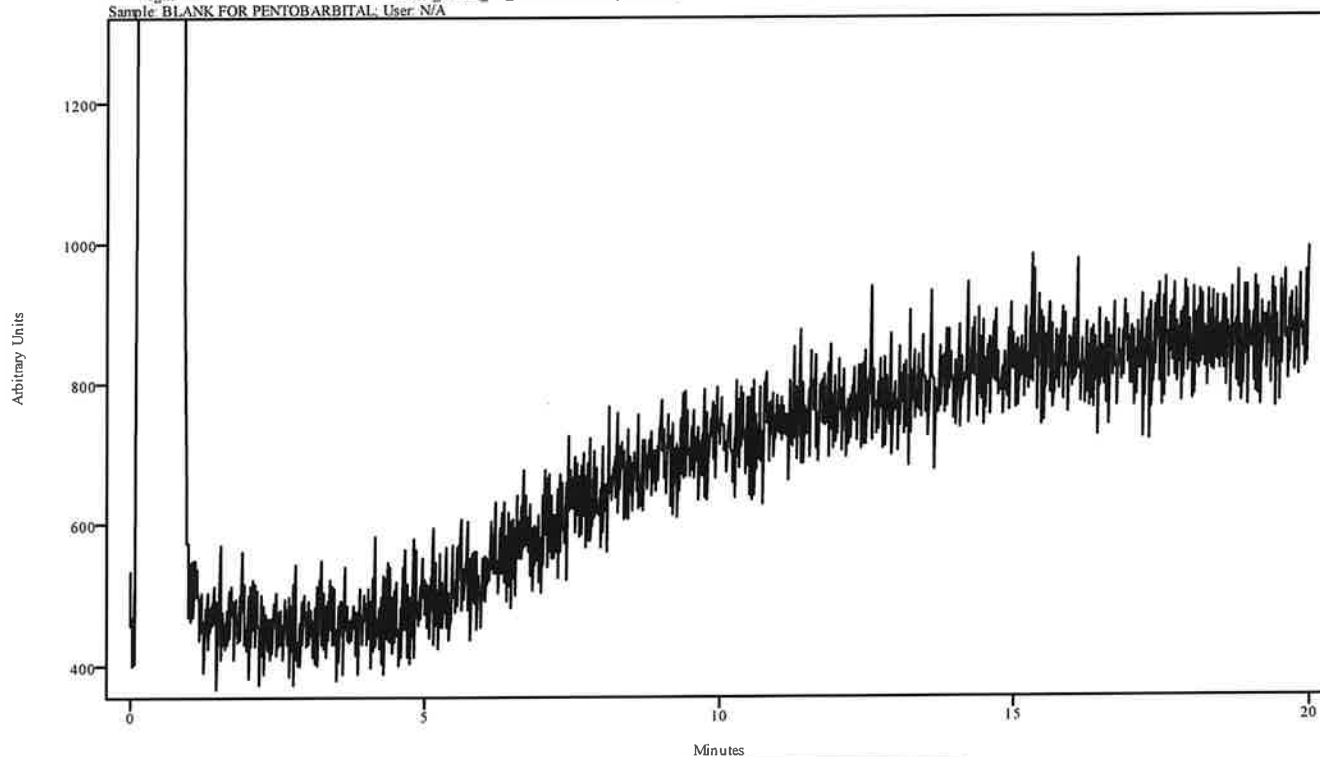


AK

IRD Data Analysis Report

Data Filename	BLANK FOR PENTOBARBITAL 2022_March_04_095857
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL90TO270(20MIN)
GC Vial	2
Sample Name	BLANK FOR PENTOBARBITAL
Misc. Info	MEOH:CURIE
User ID	N/A
Injection Time	Fri Mar 04 10:25:15 2022
Date Processed	Mon Mar 07 10:03:06 2022

irdata.cgm: BLANK FOR PENTOBARBITAL 2022_March_04_095857\irdata.cgm: Misc. Info: MEOH:CURIE;
Sample: BLANK FOR PENTOBARBITAL; User: N/A

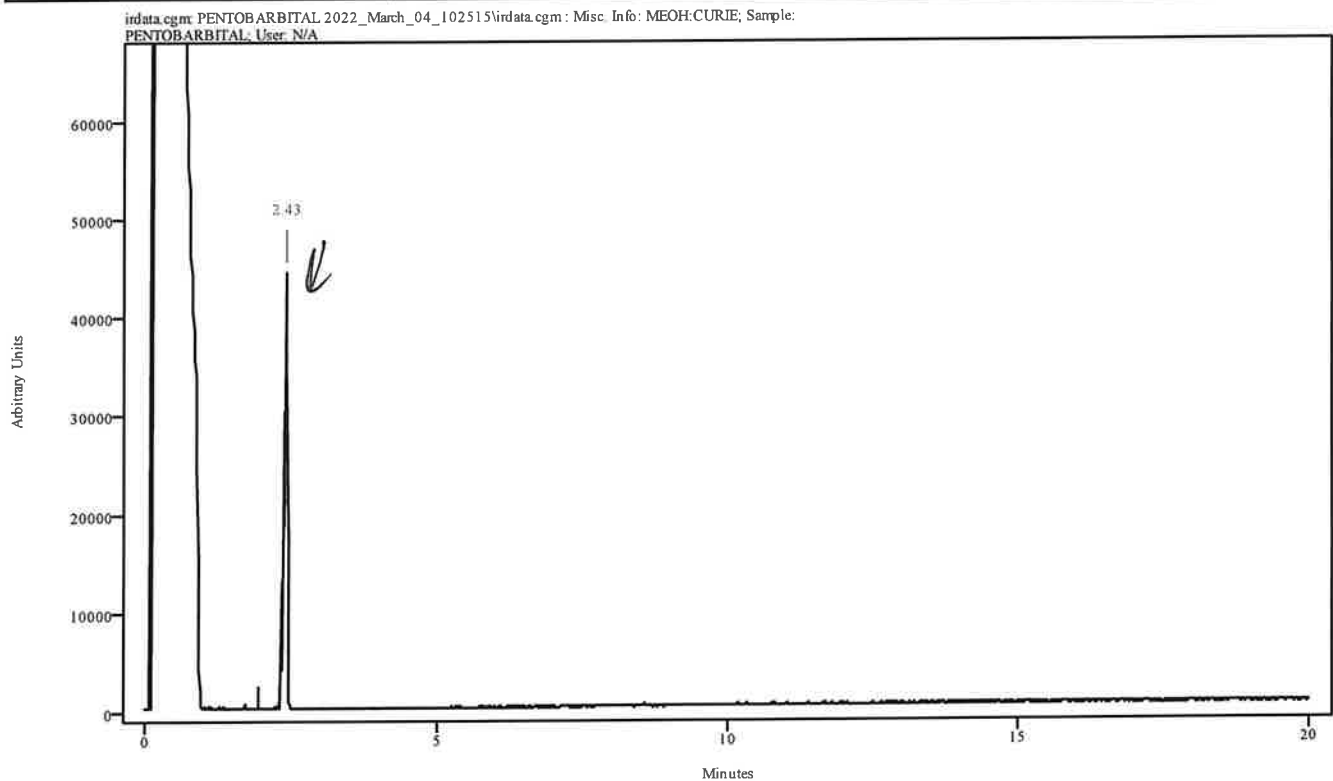


Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

44

IRD Data Analysis Report

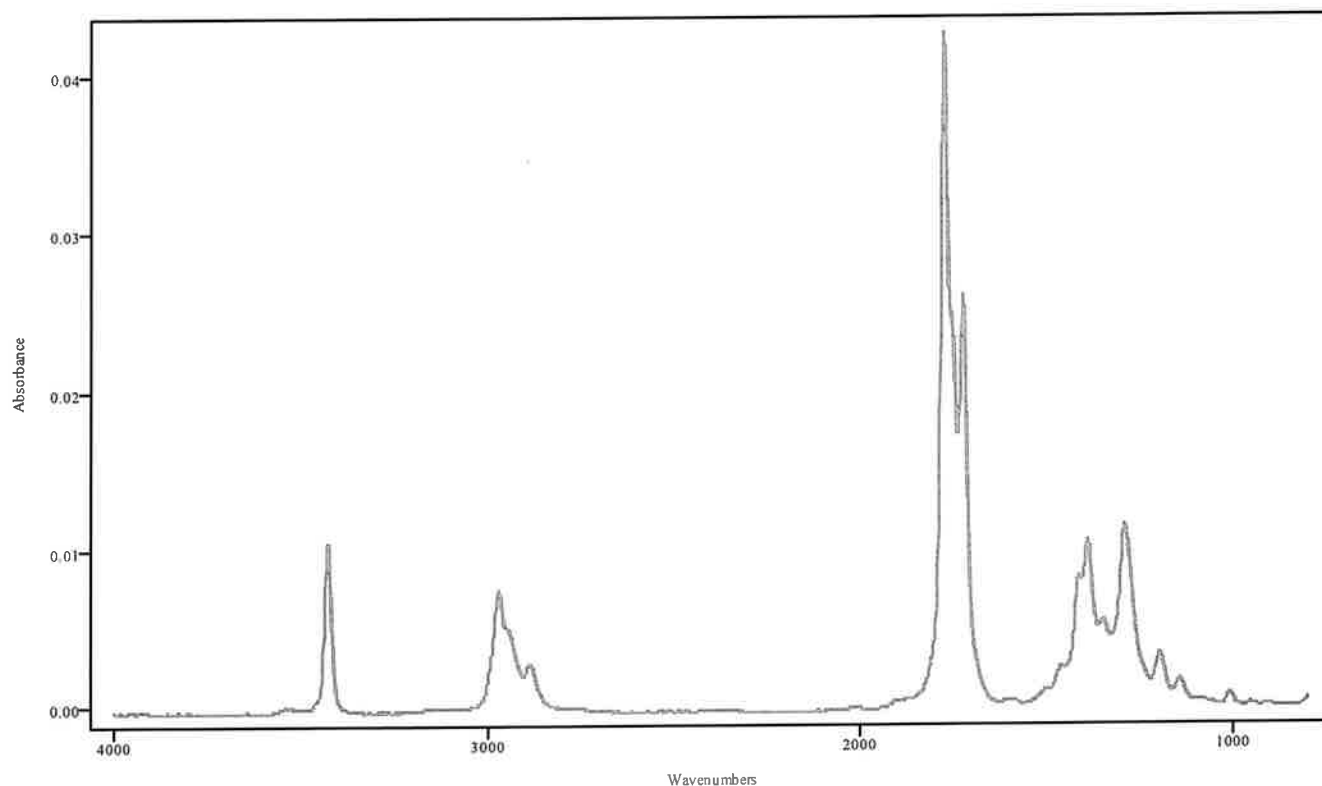
Data Filename	PENTOBARBITAL 2022_March_04_102515
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL90TO270(20MIN)
GC Vial	10
Sample Name	PENTOBARBITAL
Misc. Info	MEOH:CURIE
User ID	N/A
Injection Time	Fri Mar 04 10:51:37 2022
Date Processed	Mon Mar 07 10:03:30 2022



Peak Start	Peak End	Peak Width	Reference Start	Reference End
2.371	2.448	0.077	1.954	2.305

CH

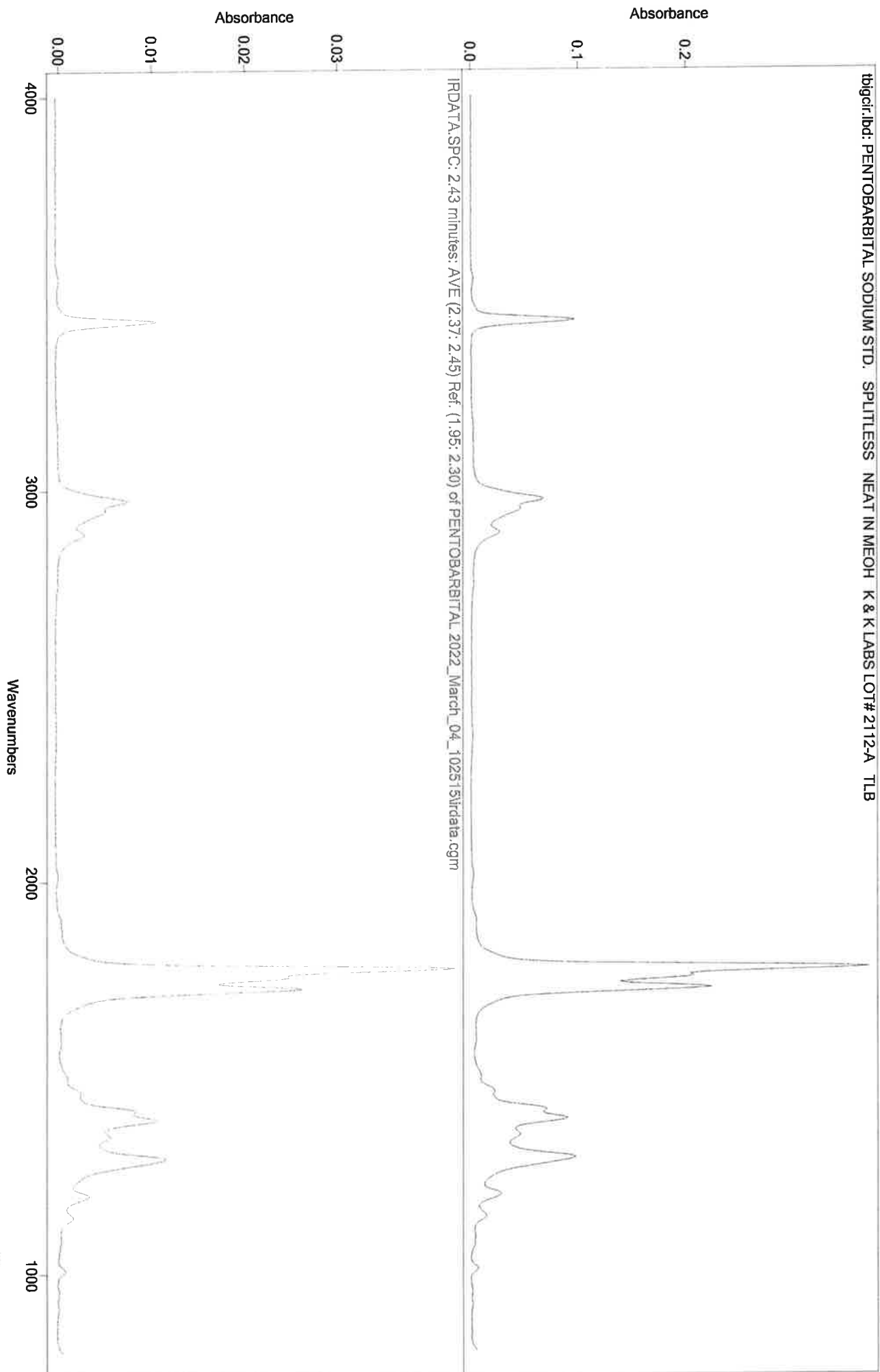
Data Filename	PENTOBARBITAL 2022_March_04_102515
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL90TO270(20MIN)
GC Vial	10
Sample Name	PENTOBARBITAL
Misc. Info	MEOH:CURIE
User ID	N/A
Injection Time	Fri Mar 04 10:51:37 2022
Date Processed	Mon Mar 07 10:03:30 2022



IRDATA.SPC: 2.43 minutes: AVE (2.37: 2.45) Ref. (1.95: 2.30) of PENTOBARBITAL
2022_March_04_102515.cgm

Pentobarbital

CH

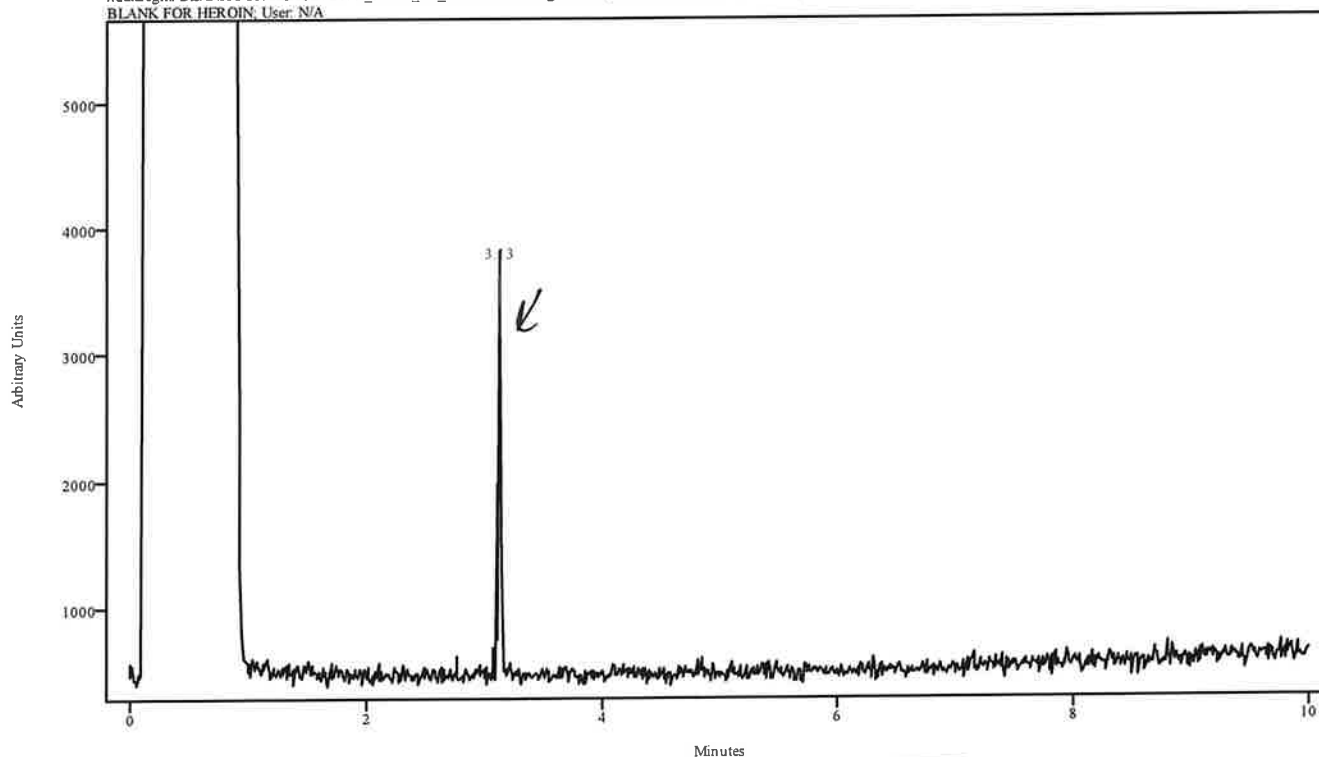


IRD Data Analysis Report

CH

Data Filename	BLANK FOR HEROIN 2022_March_04_105137
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL90TO270@35C
GC Vial	2
Sample Name	BLANK FOR HEROIN
Misc. Info	MEOH:CURIE
User ID	N/A
Injection Time	Fri Mar 04 11:08:01 2022
Date Processed	Mon Mar 07 09:53:32 2022

irdata.cgm: BLANK FOR HEROIN 2022_March_04_105137; irdata.cgm: Misc. Info: MEOH:CURIE; Sample: BLANK FOR HEROIN; User: N/A

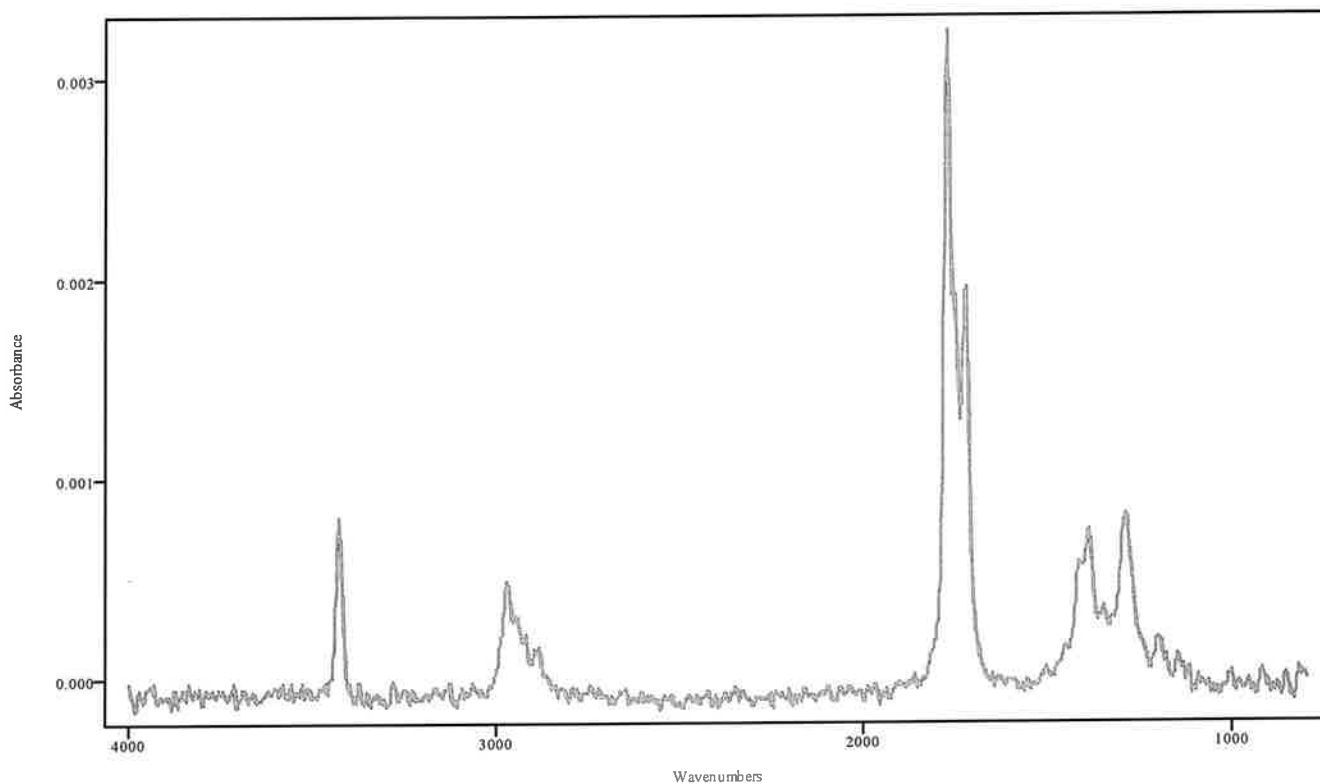


Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.120	3.150	0.033	2.777	3.084

BDNU - Carryover in blank. Remun.

N/A

Data Filename	BLANK FOR HEROIN 2022_March_04_105137
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL90TO270@35C
GC Vial	2
Sample Name	BLANK FOR HEROIN
Misc. Info	MEOH:CURIE
User ID	N/A
Injection Time	Fri Mar 04 11:08:01 2022
Date Processed	Mon Mar 07 09:53:32 2022



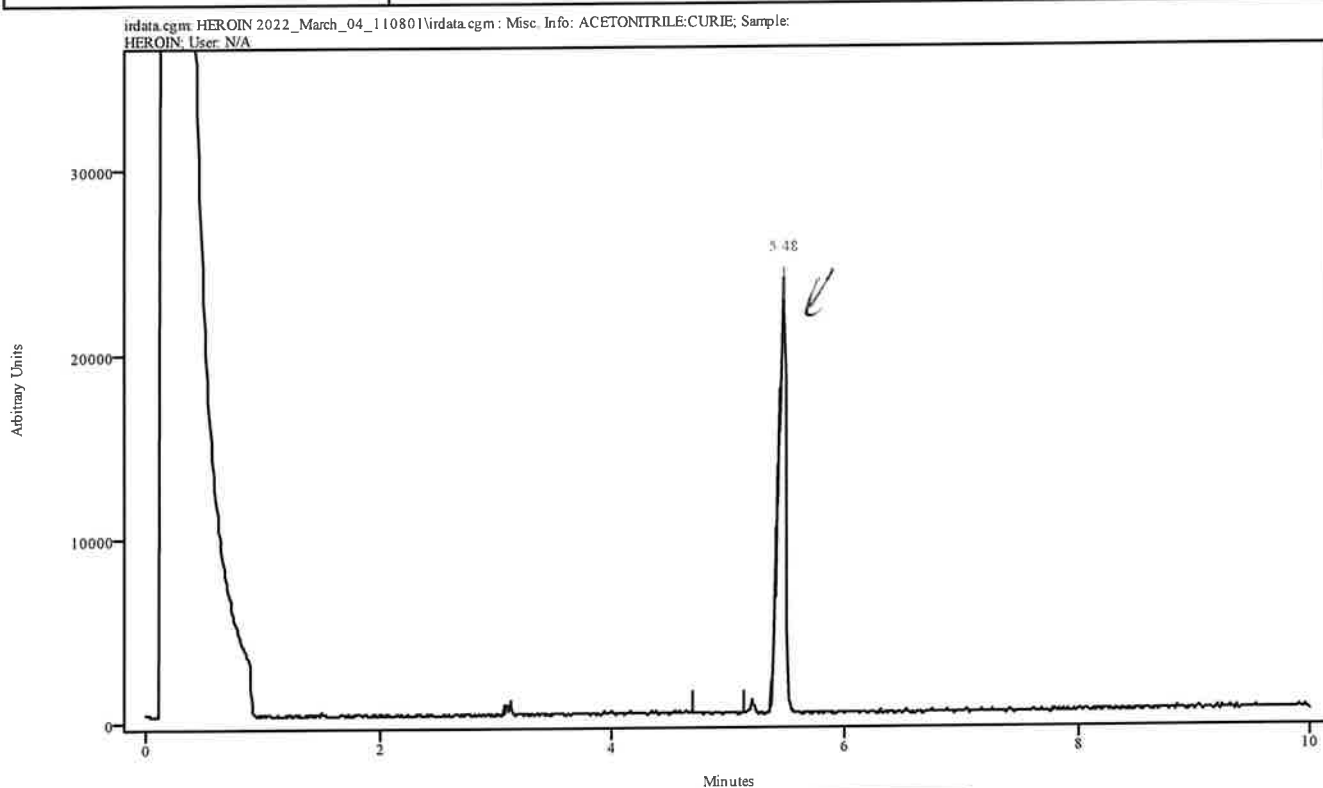
IRDATA.SPC: 3.13 minutes: AVE (3.12: 3.15) Ref. (2.78: 3.08) of BLANK FOR HEROIN
2022_March_04_105137.cgm

**DME Carryover in blank. Rerun.*

44

IRD Data Analysis Report

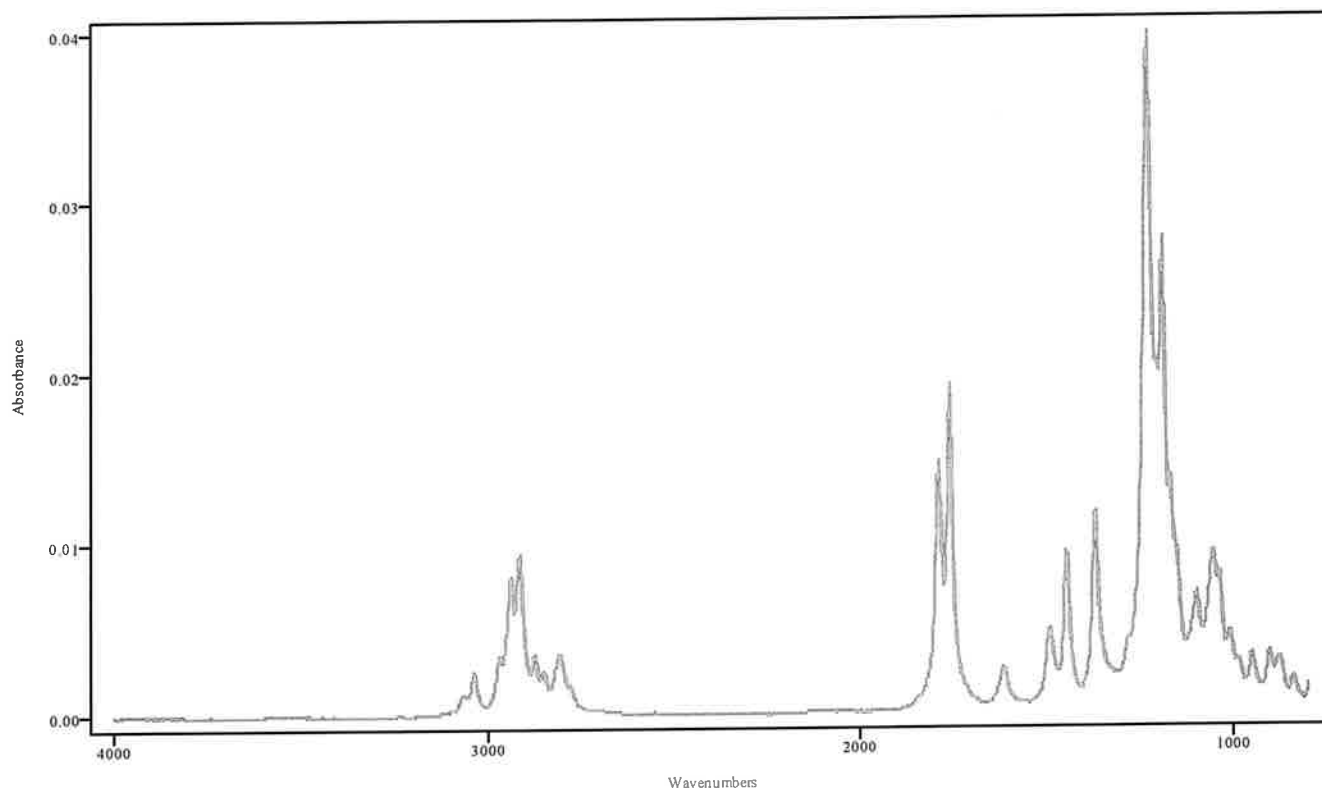
Data Filename	HEROIN 2022_March_04_110801
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL90TO270@35C
GC Vial	11
Sample Name	HEROIN
Misc. Info	ACETONITRILE:CURIE
User ID	N/A
Injection Time	Fri Mar 04 11:24:19 2022
Date Processed	Mon Mar 07 12:31:16 2022



Peak Start	Peak End	Peak Width	Reference Start	Reference End
5.412	5.511	0.099	4.698	5.136

~~NDU~~ - Carryover in blank. Benin.

Data Filename	HEROIN 2022_March_04_110801
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL90TO270@35C
GC Vial	11
Sample Name	HEROIN
Misc. Info	ACETONITRILE:CURIE
User ID	N/A
Injection Time	Fri Mar 04 11:24:19 2022
Date Processed	Mon Mar 07 12:31:16 2022



IRDATA.SPC: 5.48 minutes: AVE (5.41: 5.51) Ref. (4.70: 5.14) of HEROIN
 2022_March_04_110801.cgm

Heroin
 *DNU- Camyaver in blank. Penun.

44

ibigir.lbt: Heroin Std. B>CHCL3 Alltech Lot#308 GBE



~~ONLY~~ Canyver in black. Remun.

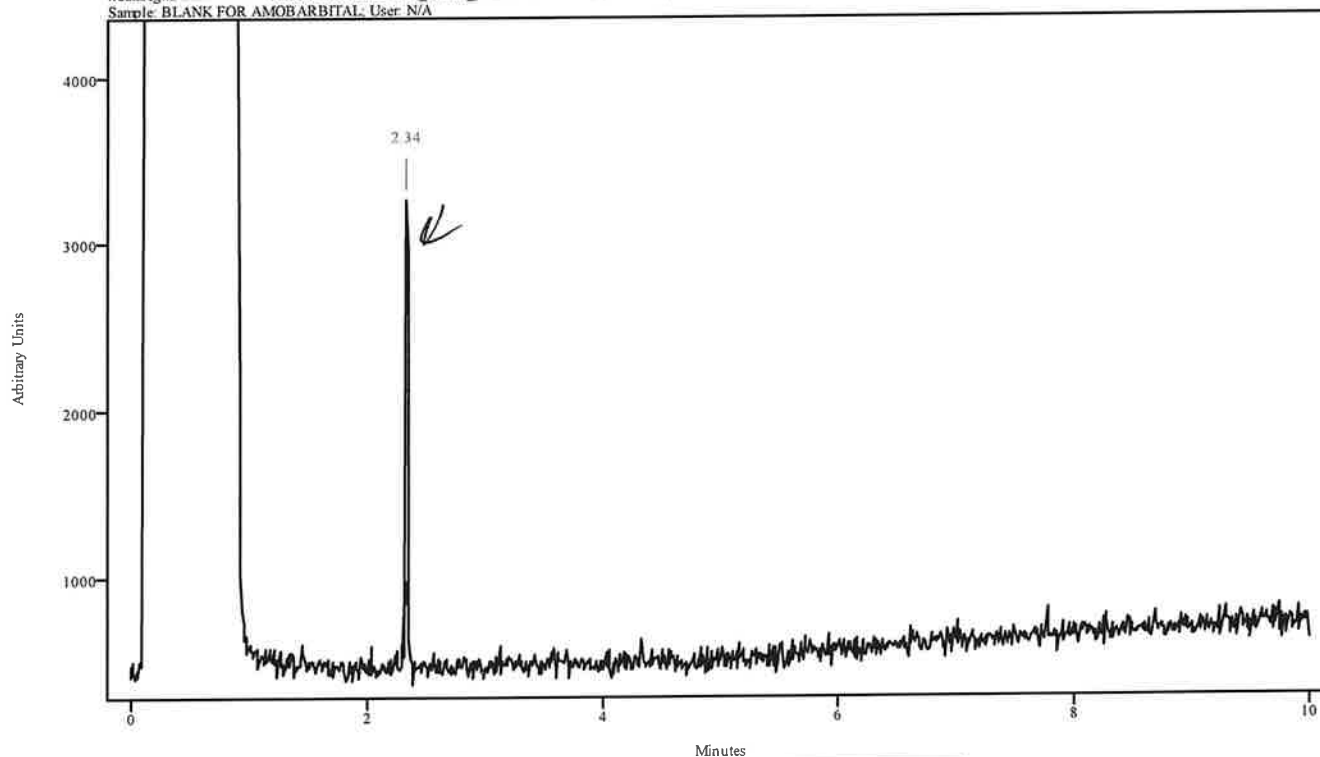


MA

IRD Data Analysis Report

Data Filename	BLANK FOR AMOBARBITAL 2022_March_04_112420
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL90TO270
GC Vial	2
Sample Name	BLANK FOR AMOBARBITAL
Misc. Info	MEOH:CURIE
User ID	N/A
Injection Time	Fri Mar 04 11:40:36 2022
Date Processed	Mon Mar 07 09:39:25 2022

irdata.cgm: BLANK FOR AMOBARBITAL 2022_March_04_112420\irdata.cgm: Misc. Info: MEOH:CURIE;
Sample: BLANK FOR AMOBARBITAL; User: N/A

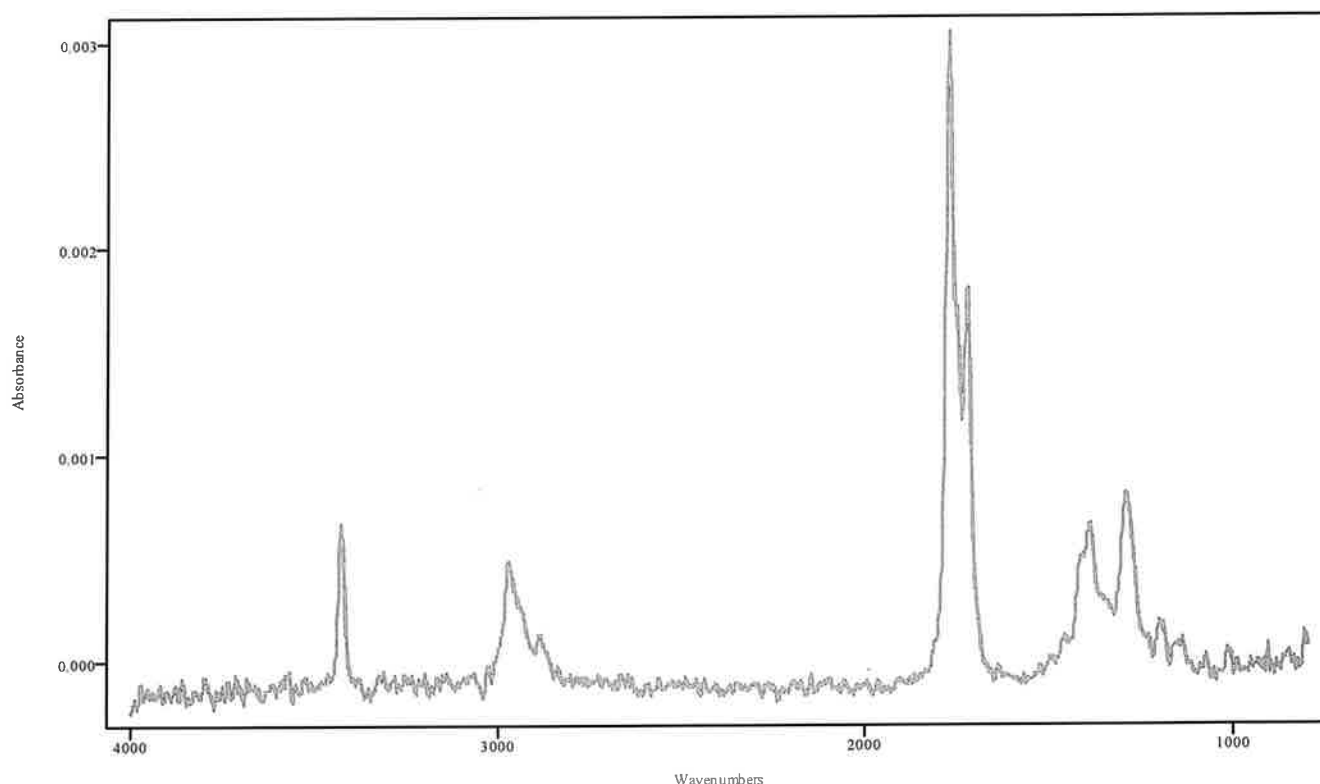


Peak Start	Peak End	Peak Width	Reference Start	Reference End
2.328	2.358	0.033	2.040	2.303

* DNU- Carryover in blank. Run.

MA

Data Filename	BLANK FOR AMOBARBITAL 2022_March_04_112420
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL90TO270
GC Vial	2
Sample Name	BLANK FOR AMOBARBITAL
Misc. Info	MEOH:CURIE
User ID	N/A
Injection Time	Fri Mar 04 11:40:36 2022
Date Processed	Mon Mar 07 09:39:25 2022



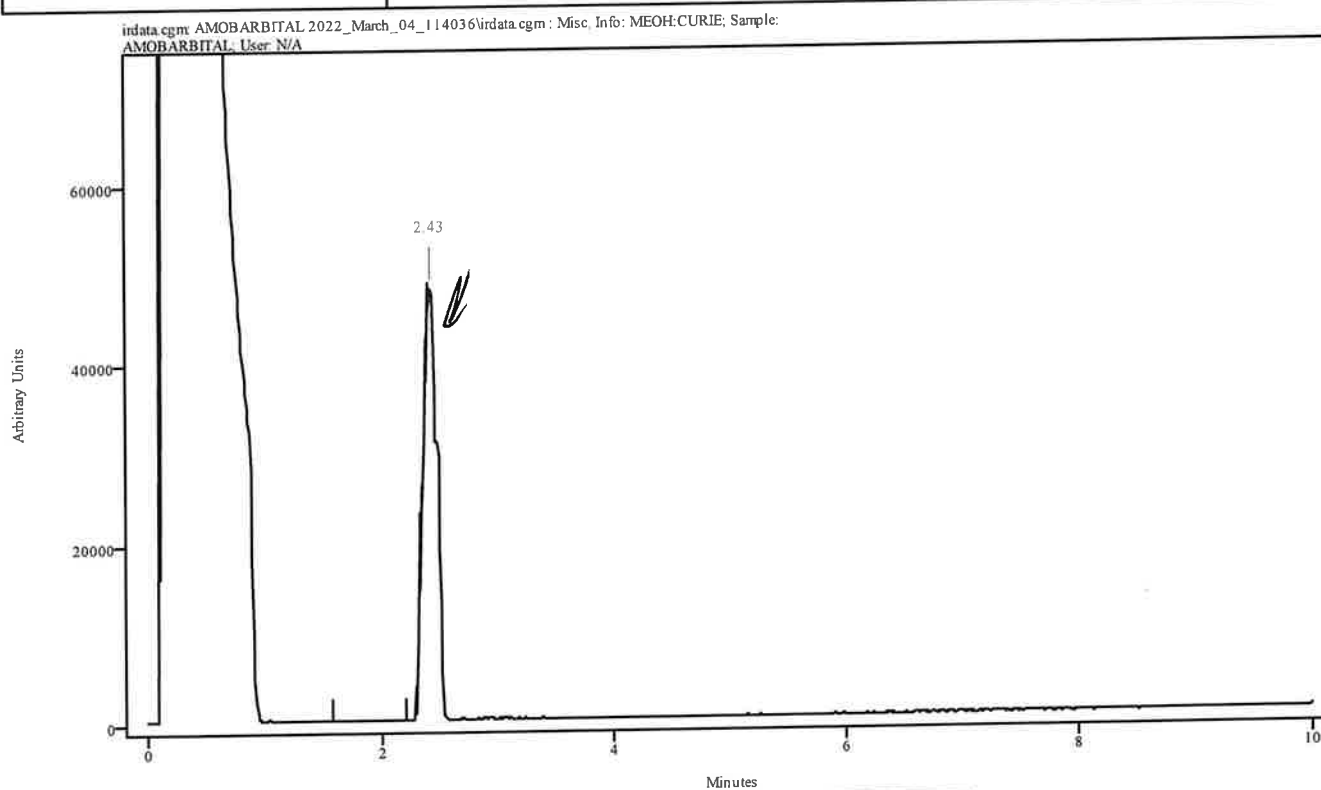
IRDATA.SPC: 2.34 minutes: AVE (2.32: 2.36) Ref. (2.04: 2.30) of BLANK FOR AMOBARBITAL 2022_March_04_112420.cgm

~~MDNU~~ - Carryover in blank. Rerun.

IRD Data Analysis Report

mlt

Data Filename	AMOBARBITAL 2022_March_04_114036
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL90TO270
GC Vial	12
Sample Name	AMOBARBITAL
Misc. Info	MEOH:CURIE
User ID	N/A
Injection Time	Fri Mar 04 11:56:53 2022
Date Processed	Mon Mar 07 13:06:56 2022

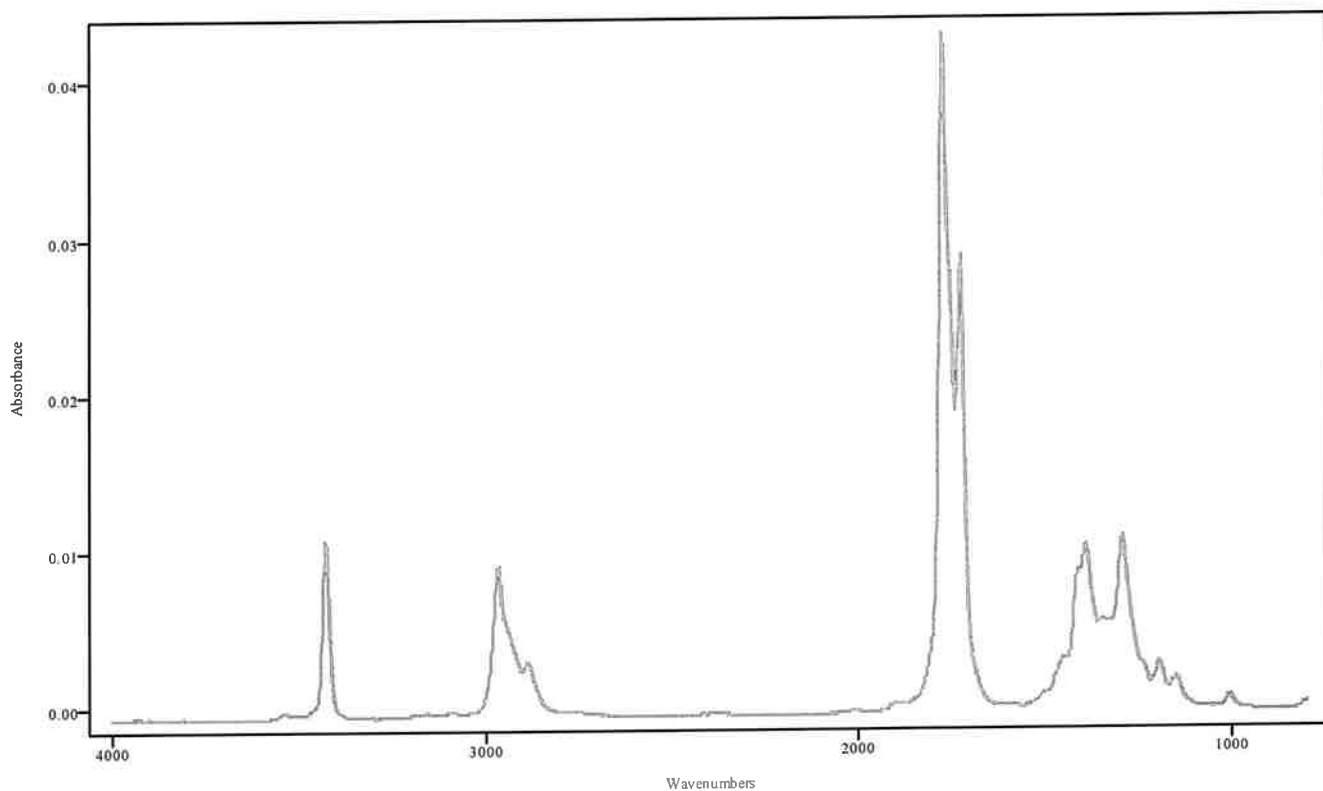


Peak Start	Peak End	Peak Width	Reference Start	Reference End
2.340	2.505	0.165	1.571	2.211

ADNU - Carryover in blank. Run.

111

Data Filename	AMOBARBITAL 2022_March_04_114036
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL90TO270
GC Vial	12
Sample Name	AMOBARBITAL
Misc. Info	MEOH:CURIE
User ID	N/A
Injection Time	Fri Mar 04 11:56:53 2022
Date Processed	Mon Mar 07 13:06:56 2022

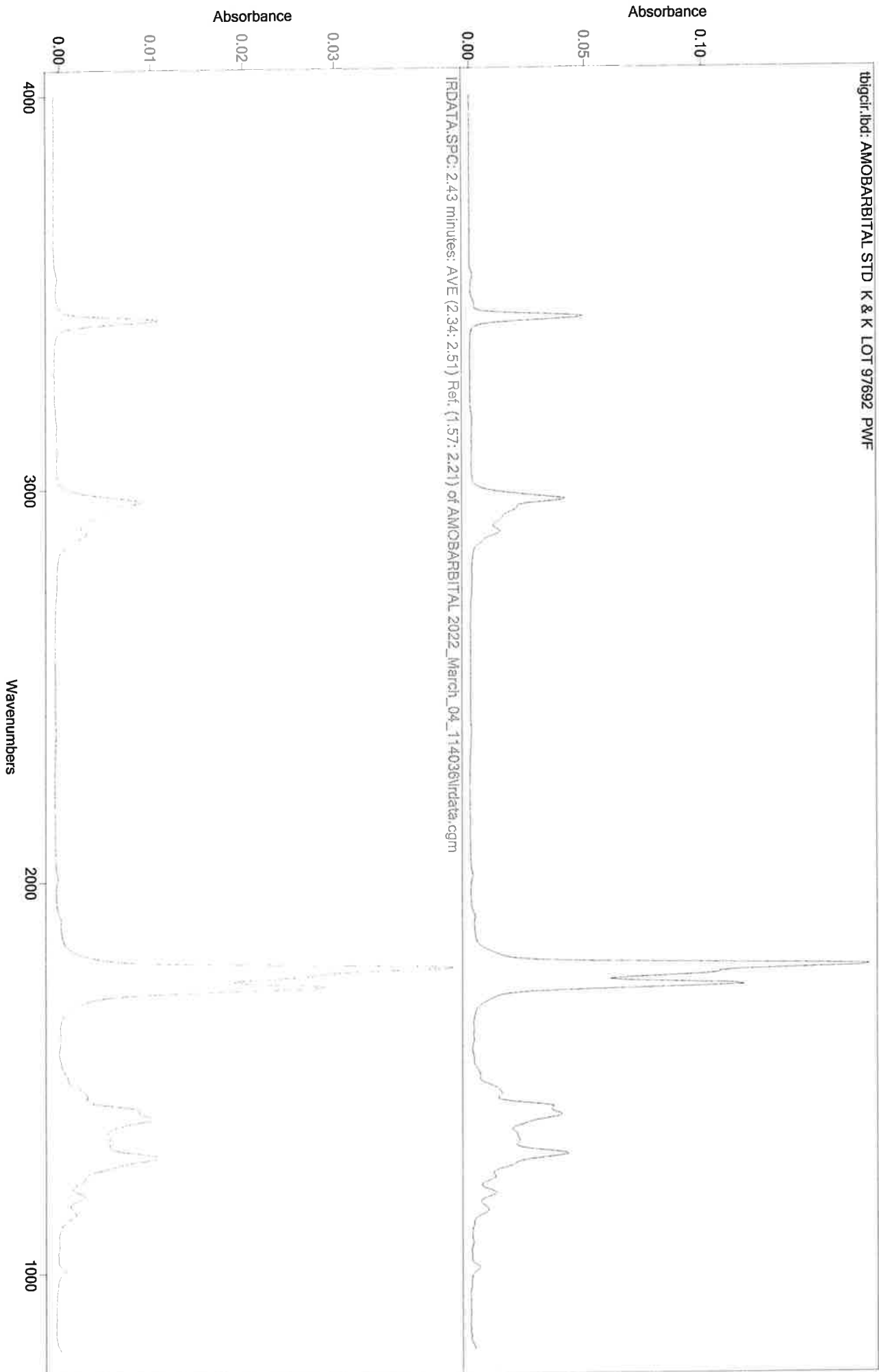


IRDATA.SPC: 2.43 minutes: AVE (2.34: 2.51) Ref. (1.57: 2.21) of AMOBARBITAL
2022_March_04_114036.cgm

Amobarbital

DNV - Camymer in blank. Run.

JK



~~IR~~ DNU - Camyager in blank. Remun.

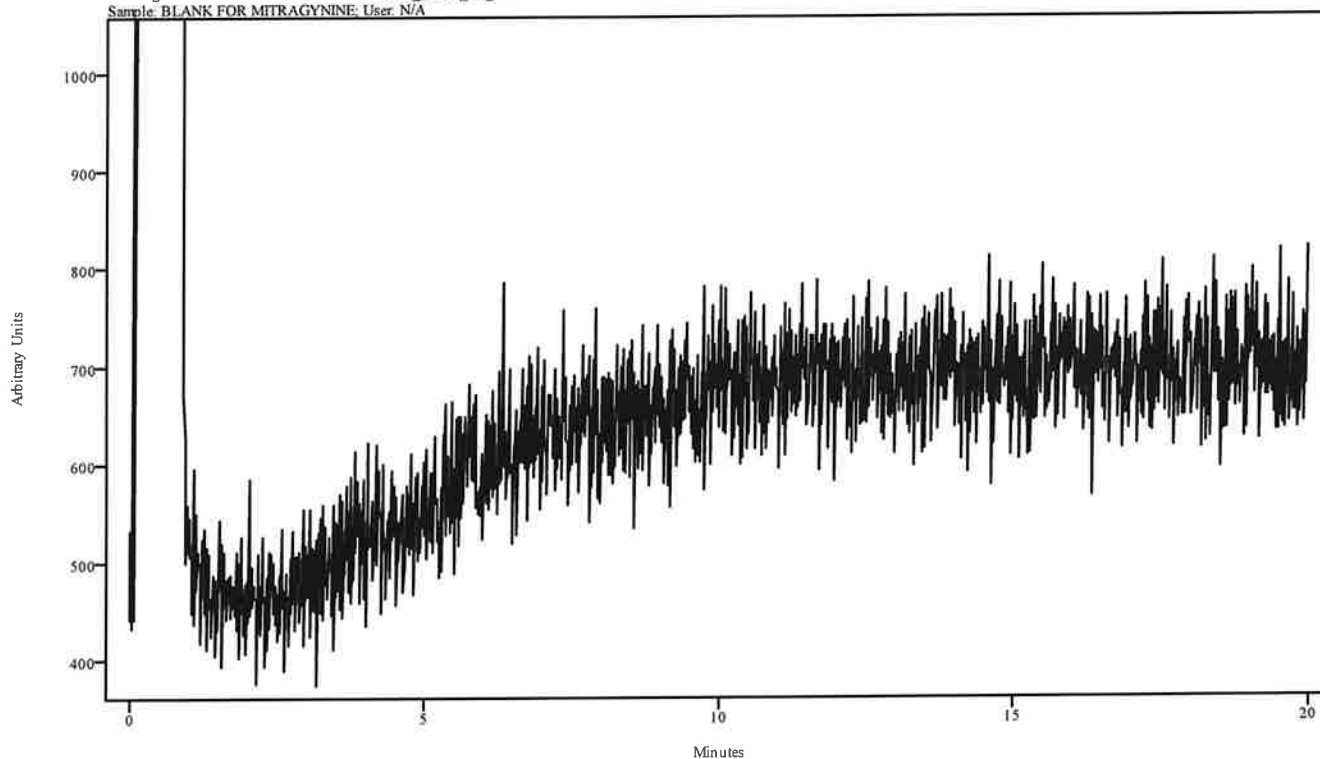


IRD Data Analysis Report

JK

Data Filename	BLANK FOR MITRAGYNINE 2022_March_04_115653
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL200TO270(20MIN)
GC Vial	2
Sample Name	BLANK FOR MITRAGYNINE
Misc. Info	MEOH:CURIE
User ID	N/A
Injection Time	Fri Mar 04 12:22:41 2022
Date Processed	Mon Mar 07 09:57:13 2022

irdata.cgm: BLANK FOR MITRAGYNINE 2022_March_04_115653\irdata.cgm : Misc. Info: MEOH:CURIE;
Sample: BLANK FOR MITRAGYNINE; User: N/A

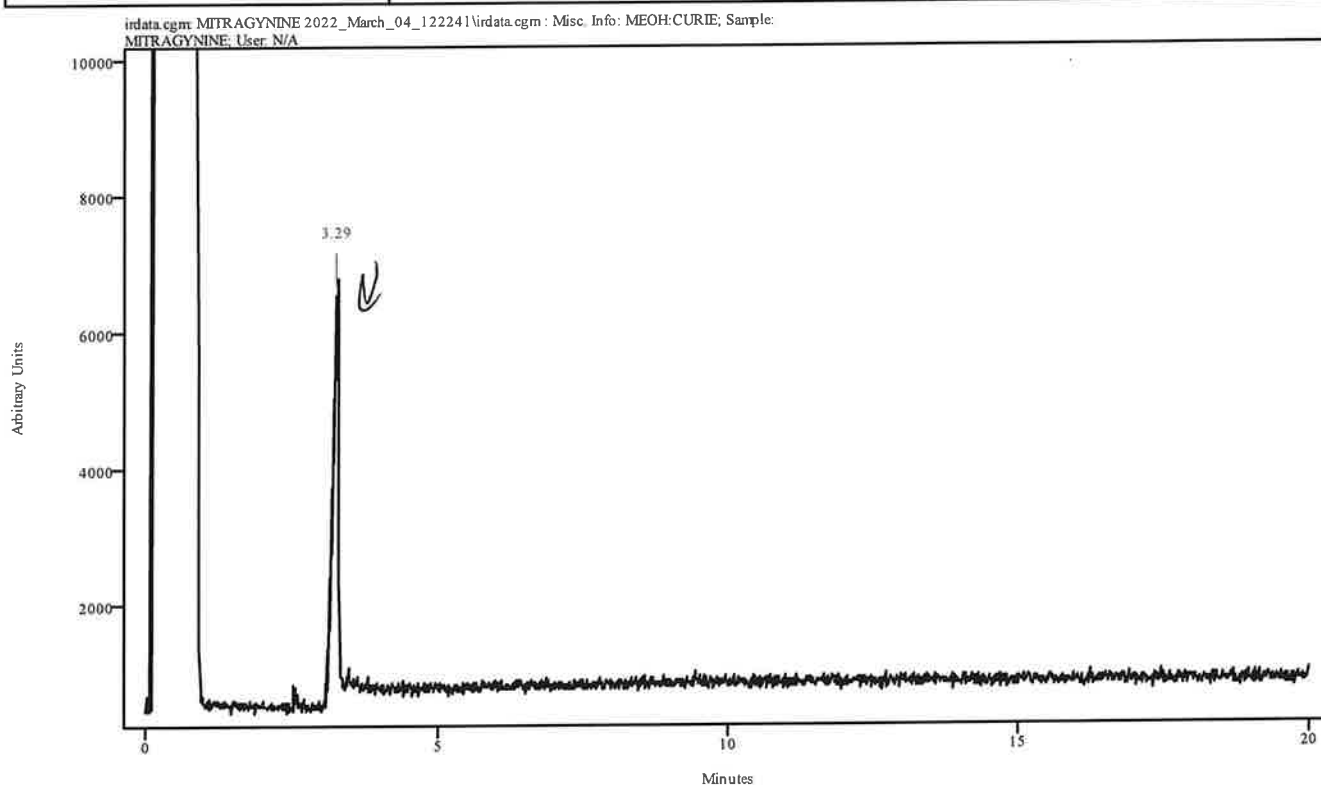


Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

IRD Data Analysis Report

Handwritten signature

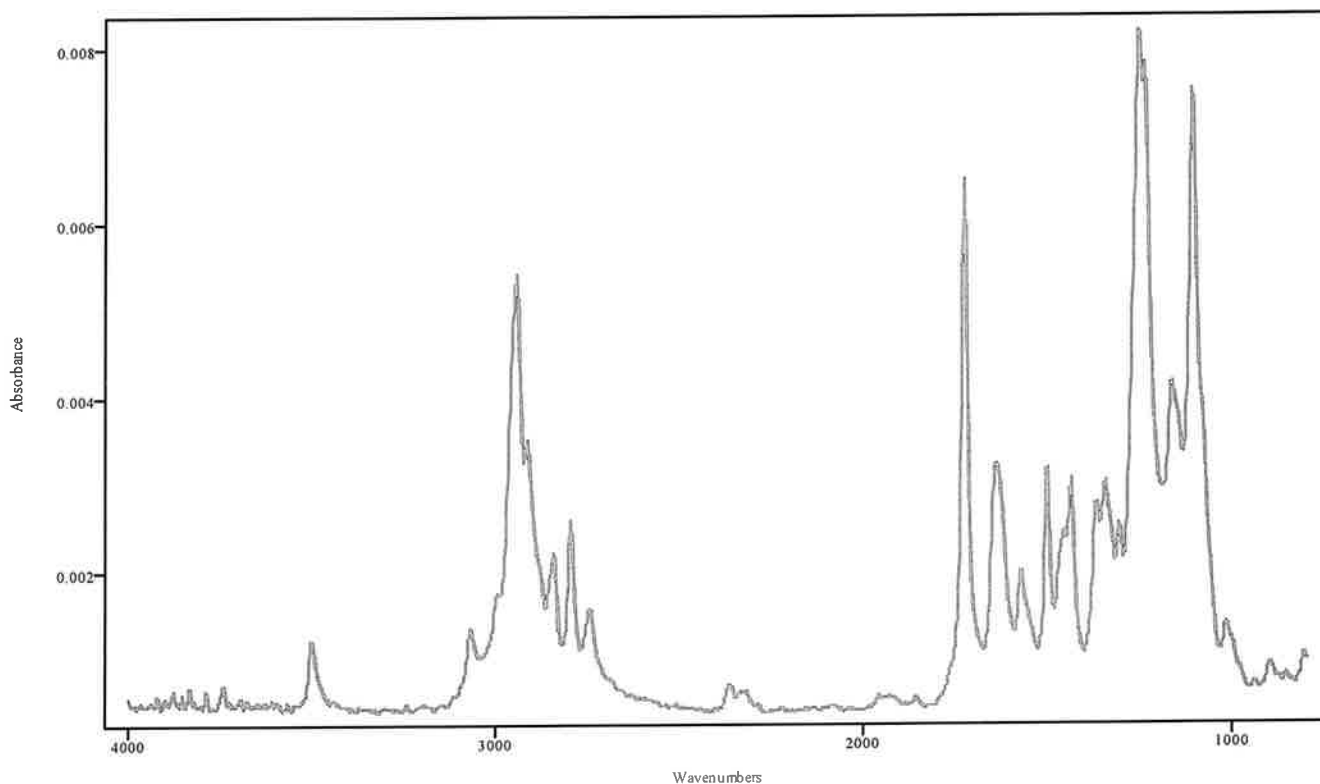
Data Filename	MITRAGYNINE 2022_March_04_122241
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL200TO270(20MIN)
GC Vial	13
Sample Name	MITRAGYNINE
Misc. Info	MEOH:CURIE
User ID	N/A
Injection Time	Fri Mar 04 12:48:05 2022
Date Processed	Mon Mar 07 09:57:41 2022



Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.200	3.320	0.121	2.542	3.068

11

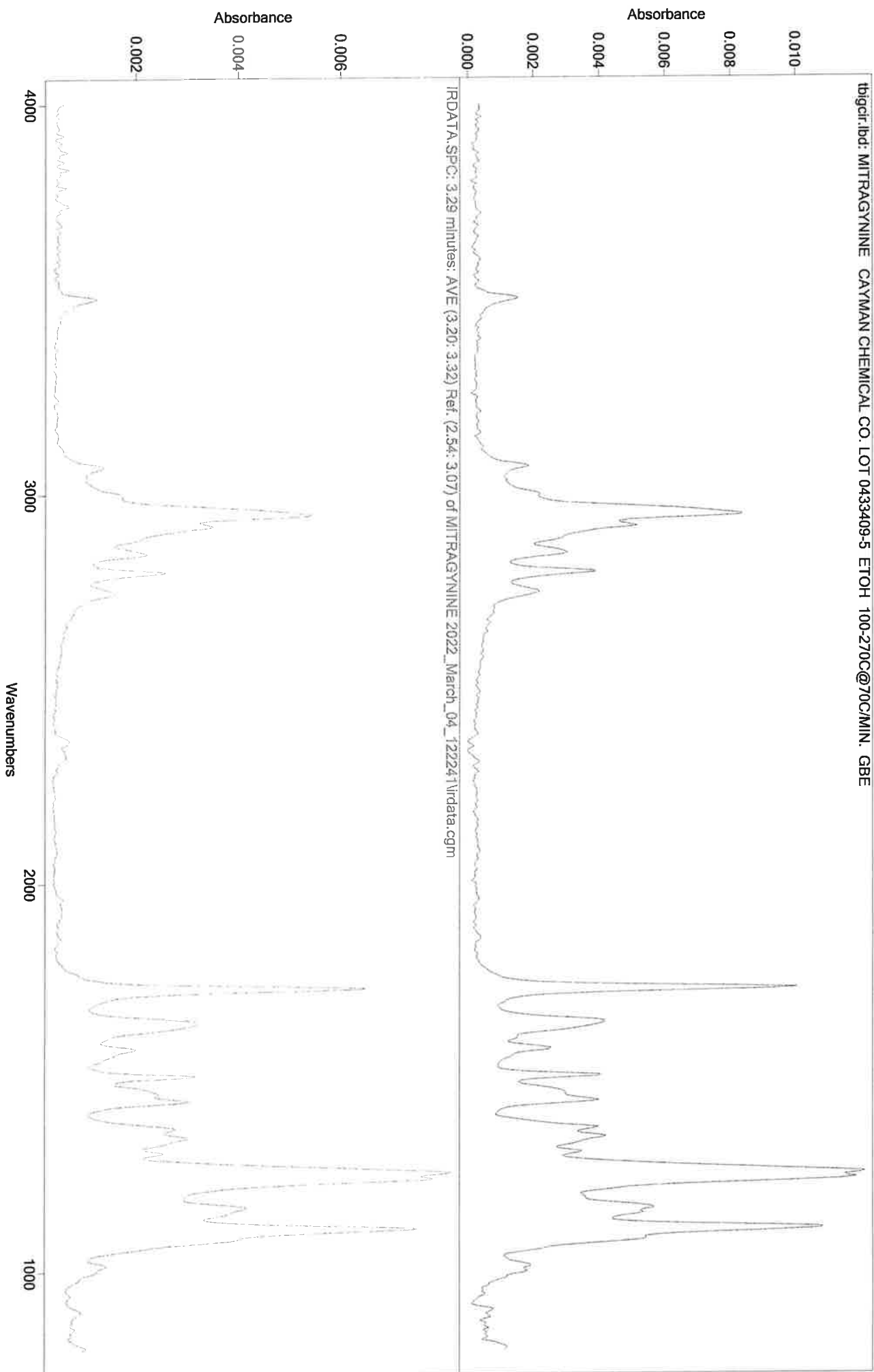
Data Filename	MITRAGYNINE 2022_March_04_122241
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL200TO270(20MIN)
GC Vial	13
Sample Name	MITRAGYNINE
Misc. Info	MEOH:CURIE
User ID	N/A
Injection Time	Fri Mar 04 12:48:05 2022
Date Processed	Mon Mar 07 09:57:41 2022



IRDATA.SPC: 3.29 minutes: AVE (3.20: 3.32) Ref. (2.54: 3.07) of MITRAGYNINE
2022_March_04_122241.cgm

Mitragnine

At

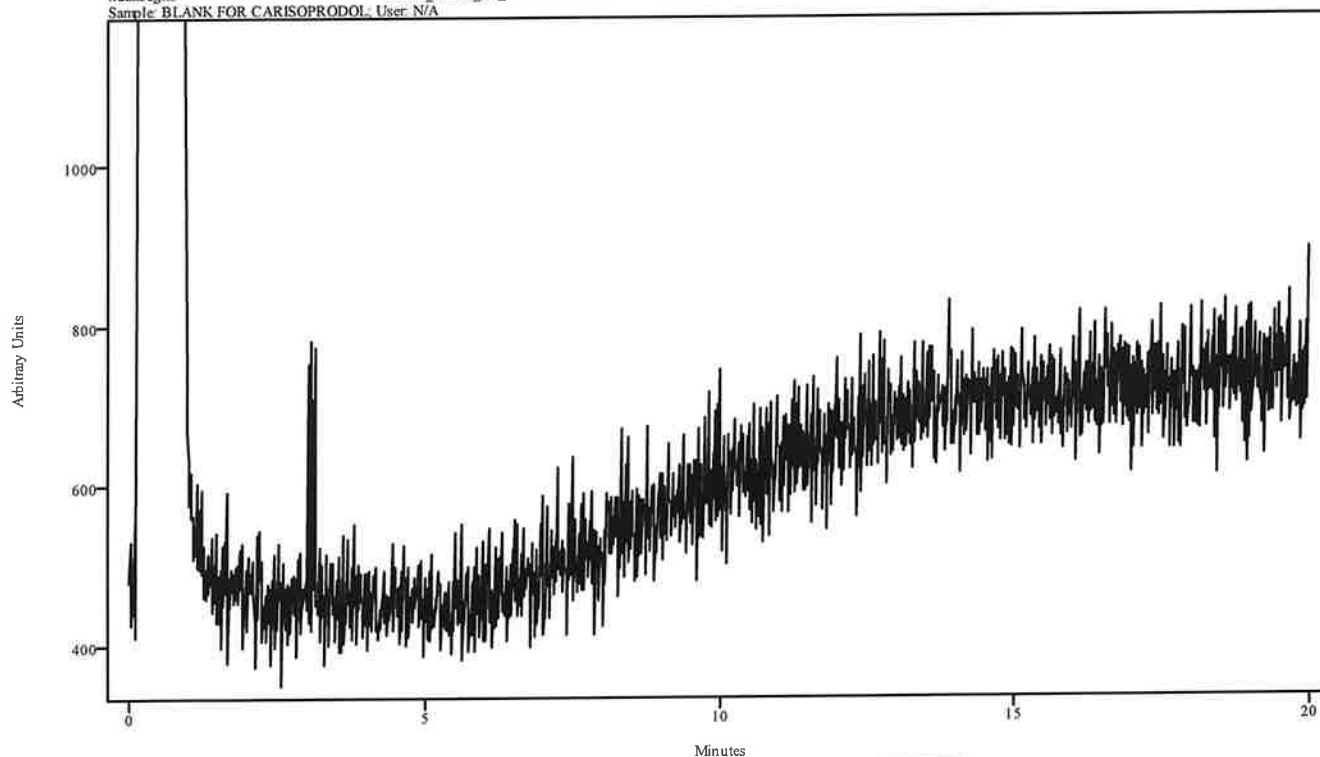


Handwritten signature

IRD Data Analysis Report

Data Filename	BLANK FOR CARISOPRODOL 2022_March_04_124805
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL90TO270@35C(20MIN)
GC Vial	2
Sample Name	BLANK FOR CARISOPRODOL
Misc. Info	MEOH:CURIE
User ID	N/A
Injection Time	Fri Mar 04 13:14:39 2022
Date Processed	Mon Mar 07 09:44:03 2022

irdata.cgm: BLANK FOR CARISOPRODOL 2022_March_04_124805\irdata.cgm : Misc. Info: MEOH:CURIE;
Sample: BLANK FOR CARISOPRODOL, User: N/A



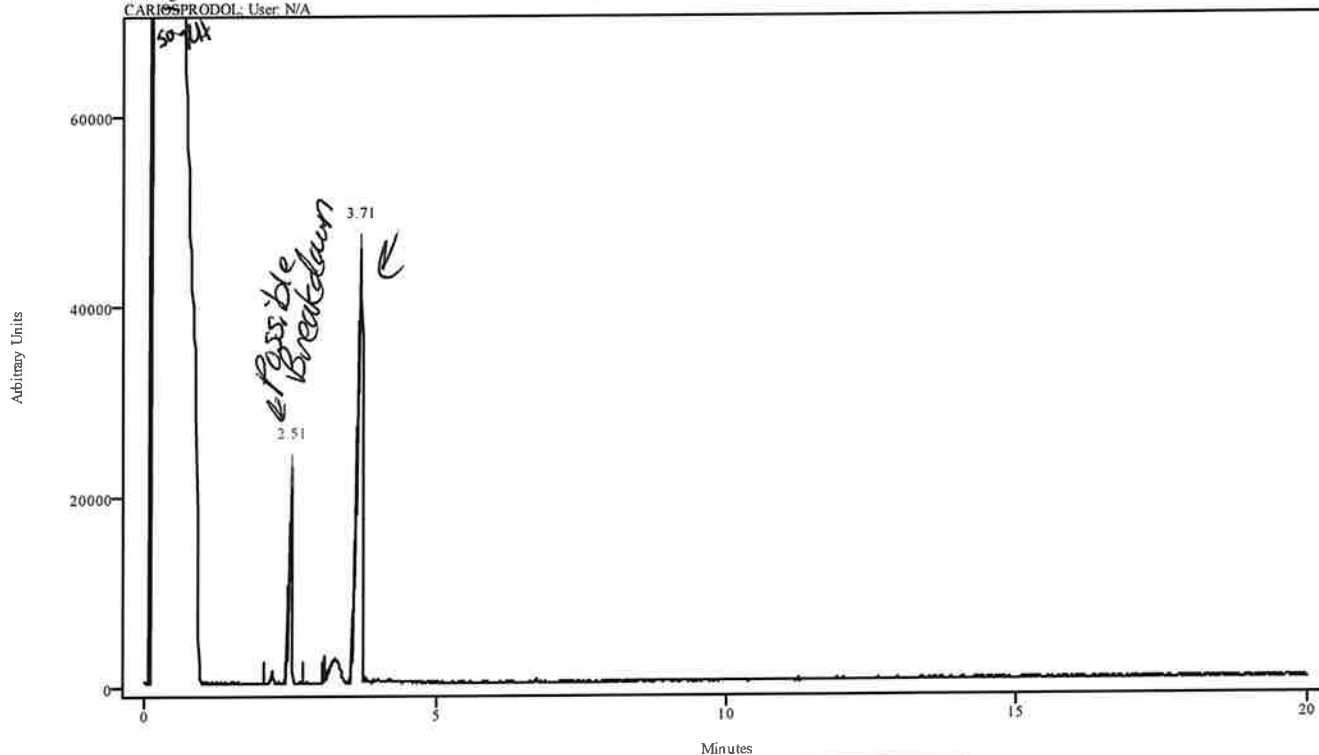
Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

NA

IRD Data Analysis Report

Data Filename	CARIOSPRODOL 2022_March_04_131439
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL90TO270@35C(20MIN)
GC Vial	14
Sample Name	CARIOSPRODOL
Misc. Info	MEOH:CURIE
User ID	N/A
Injection Time	Fri Mar 04 13:41:05 2022
Date Processed	Mon Mar 07 09:45:09 2022

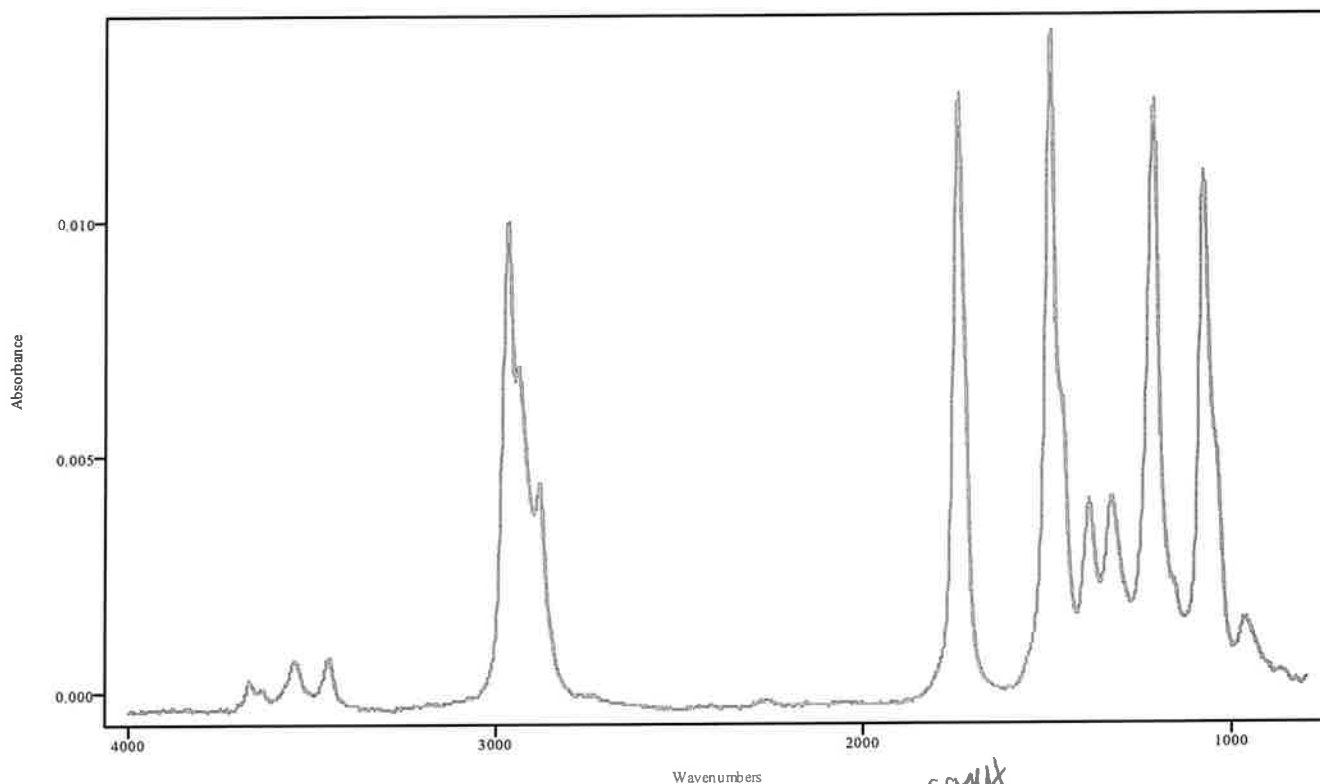
irdata.cgm: CARIOSPRODOL 2022_March_04_131439\irdata.cgm : Misc. Info: MEOH:CURIE; Sample: CARIOSPRODOL; User: N/A



Peak Start	Peak End	Peak Width	Reference Start	Reference End
2.469	2.546	0.077	2.063	2.414
3.632	3.742	0.110	2.721	3.036

YH

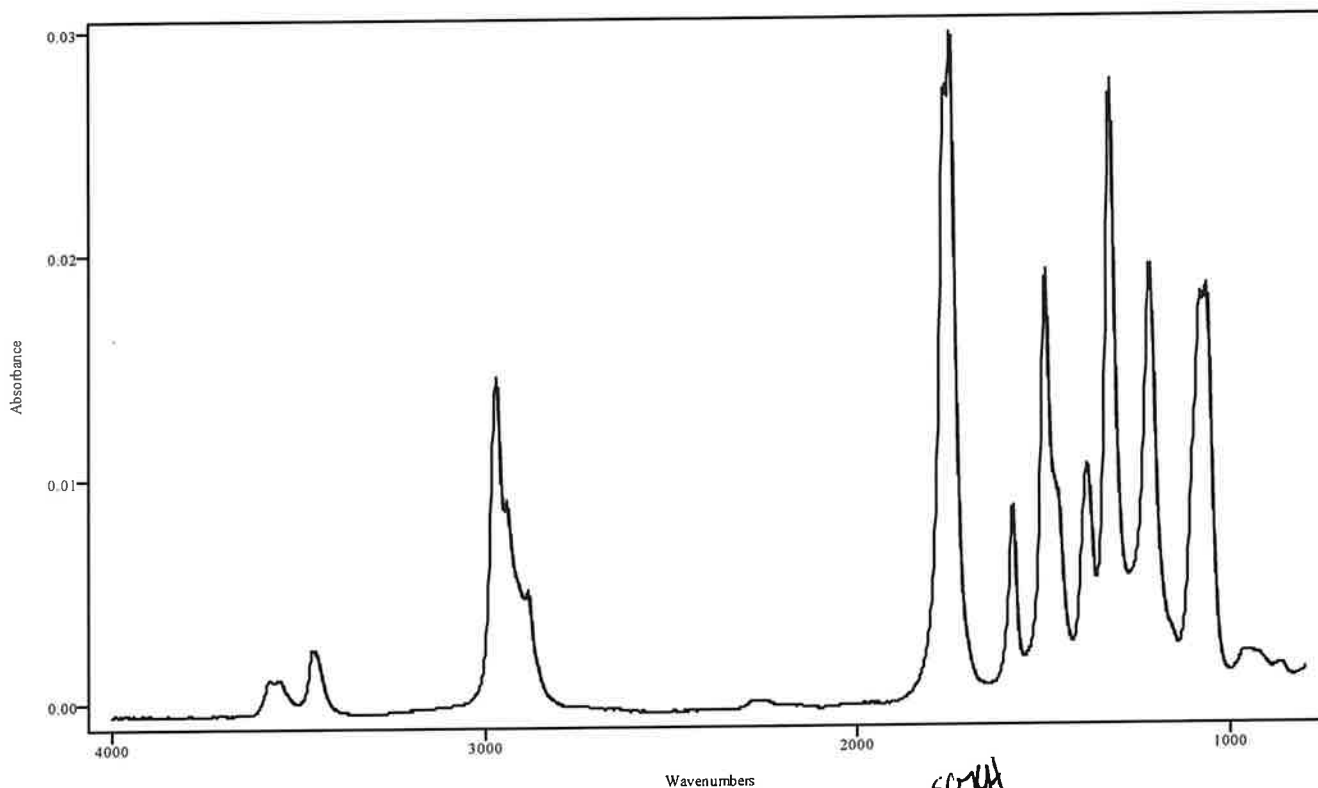
Data Filename	CARISPRODOL 2022_March_04_131439
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL90TO270@35C(20MIN)
GC Vial	14
Sample Name	CARISPRODOL
Misc. Info	MEOH:CURIE
User ID	N/A
Injection Time	Fri Mar 04 13:41:05 2022
Date Processed	Mon Mar 07 09:45:09 2022



IRDATA.SPC: 2.51 minutes: AVE (2.47: 2.55) Ref. (2.06: 2.41) of CARISPRODOL 2022_March_04_131439.cgm

Possible Breakdown

Data Filename	CARI ⁵⁰¹¹⁸ SPRODOL 2022_March_04_131439
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL90TO270@35C(20MIN)
GC Vial	14
Sample Name	CARI ⁵⁰¹¹⁸ SPRODOL
Misc. Info	MEOH:CURIE
User ID	N/A
Injection Time	Fri Mar 04 13:41:05 2022
Date Processed	Mon Mar 07 09:45:09 2022

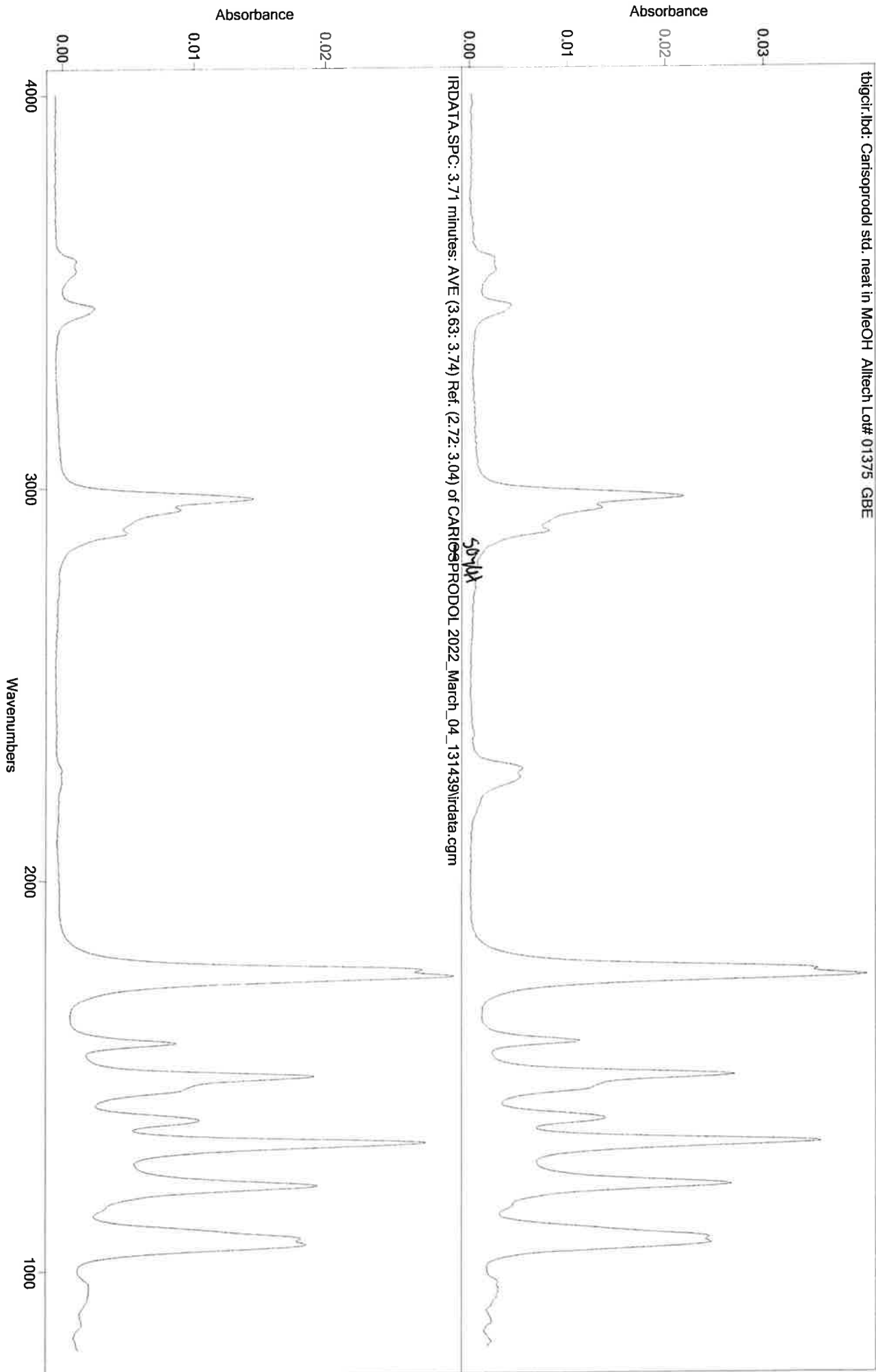


IRDATA.SPC: 3.71 minutes: AVE (3.63: 3.74) Ref. (2.72: 3.04) of CARI⁵⁰¹¹⁸SPRODOL
2022_March_04_131439.cgm

Carisoprodol

GH

tbicir.lbd: Carisoprodol std. neat in MeOH Alltech Lot# 01375 GBE

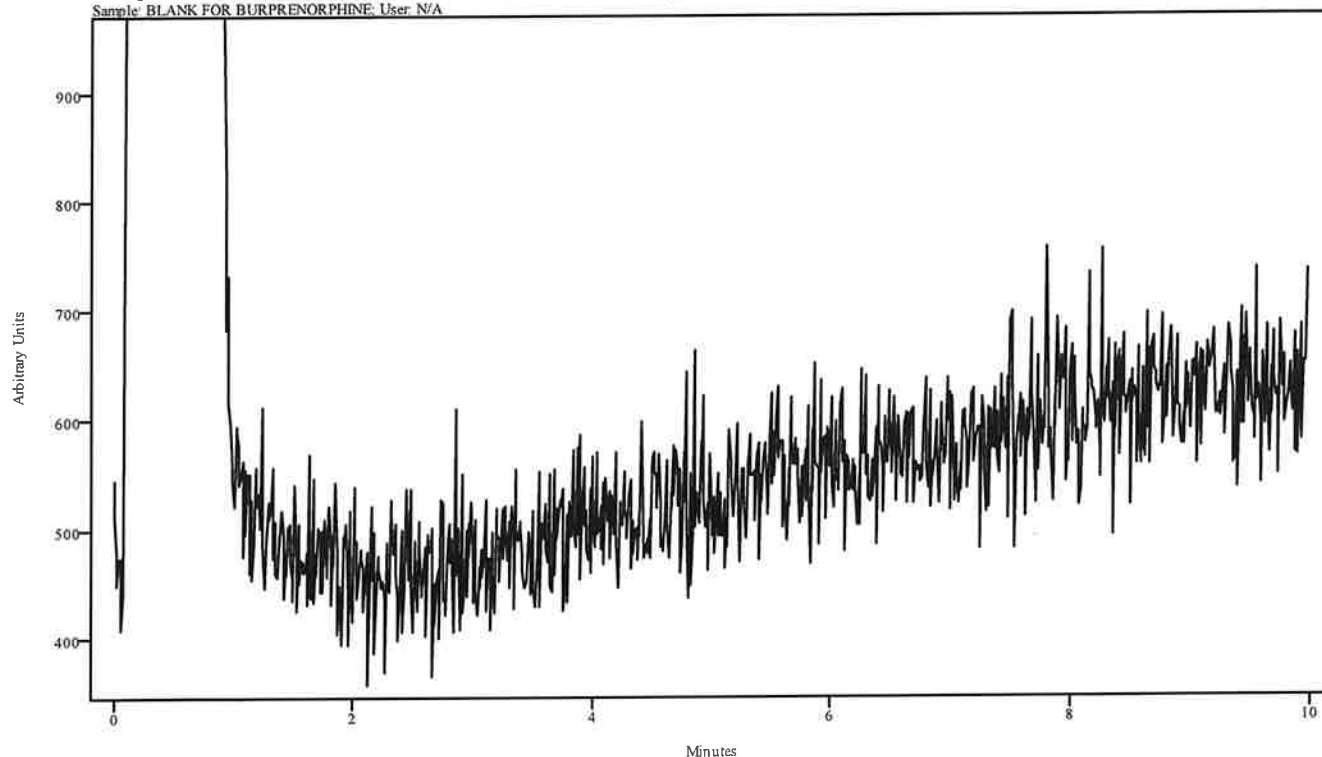


MA

IRD Data Analysis Report

Data Filename	BLANK FOR BURPRENORPHINE 2022_March_04_134105
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL200TO270
GC Vial	2
Sample Name	BLANK FOR BURPRENORPHINE
Misc. Info	MEOH:CURIE
User ID	N/A
Injection Time	Fri Mar 04 13:56:45 2022
Date Processed	Mon Mar 07 09:43:05 2022

irdata.cgm: BLANK FOR BURPRENORPHINE 2022_March_04_134105
 Sample: BLANK FOR BURPRENORPHINE, User: N/A
 Misc. Info: MEOH:CURIE



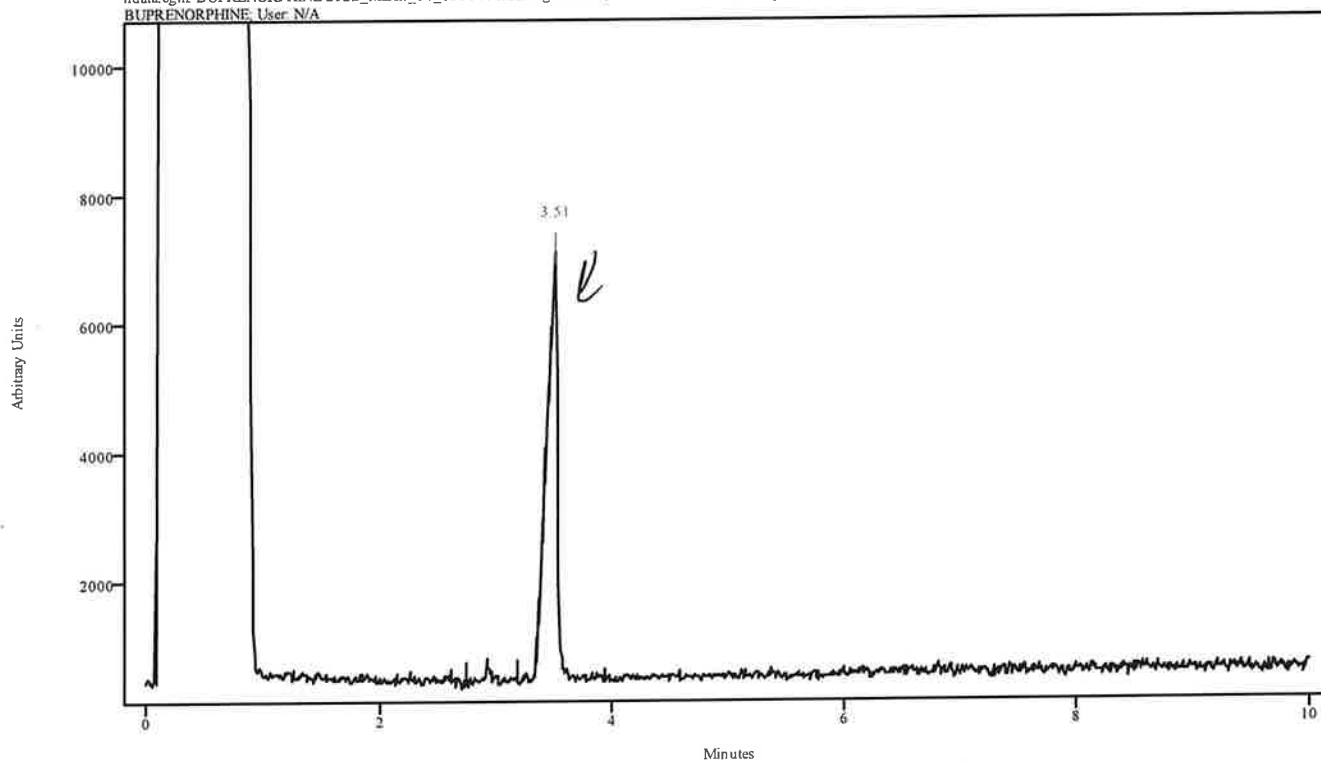
Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

IRD Data Analysis Report

44

Data Filename	BUPRENORPHINE 2022_March_04_135646
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL200TO270
GC Vial	15
Sample Name	BUPRENORPHINE
Misc. Info	MEOH:CURIE
User ID	N/A
Injection Time	Fri Mar 04 14:12:09 2022
Date Processed	Mon Mar 07 09:43:43 2022

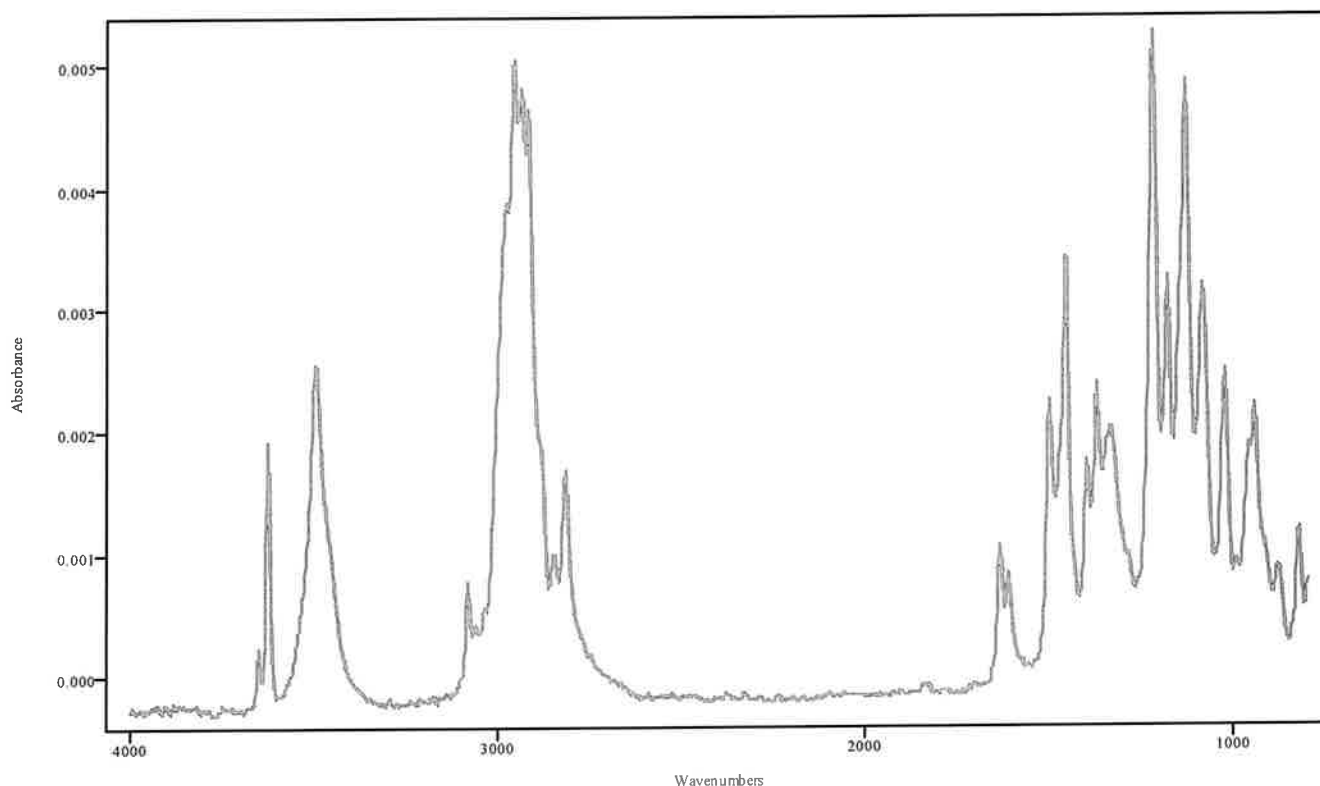
irdata.cgm: BUPRENORPHINE 2022_March_04_135646\irdata.cgm : Misc. Info: MEOH:CURIE; Sample: BUPRENORPHINE; User: N/A



Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.419	3.540	0.121	2.736	3.174

147

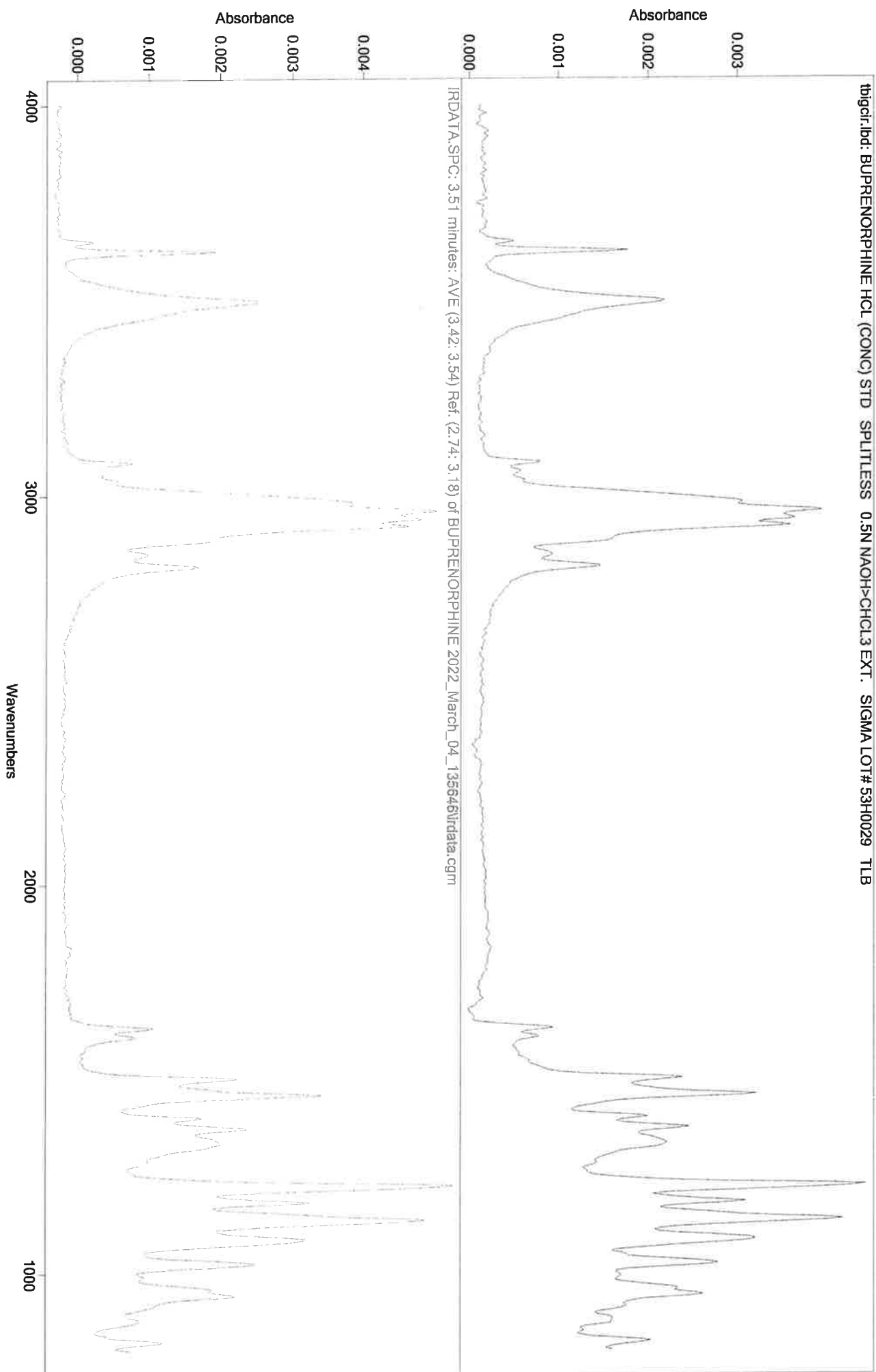
Data Filename	BUPRENORPHINE 2022_March_04_135646
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL200TO270
GC Vial	15
Sample Name	BUPRENORPHINE
Misc. Info	MEOH:CURIE
User ID	N/A
Injection Time	Fri Mar 04 14:12:09 2022
Date Processed	Mon Mar 07 09:43:43 2022



IRDATA.SPC: 3.51 minutes: AVE (3.42: 3.54) Ref. (2.74: 3.18) of BUPRENORPHINE
2022_March_04_135646.cgm

Buprenorphine

44

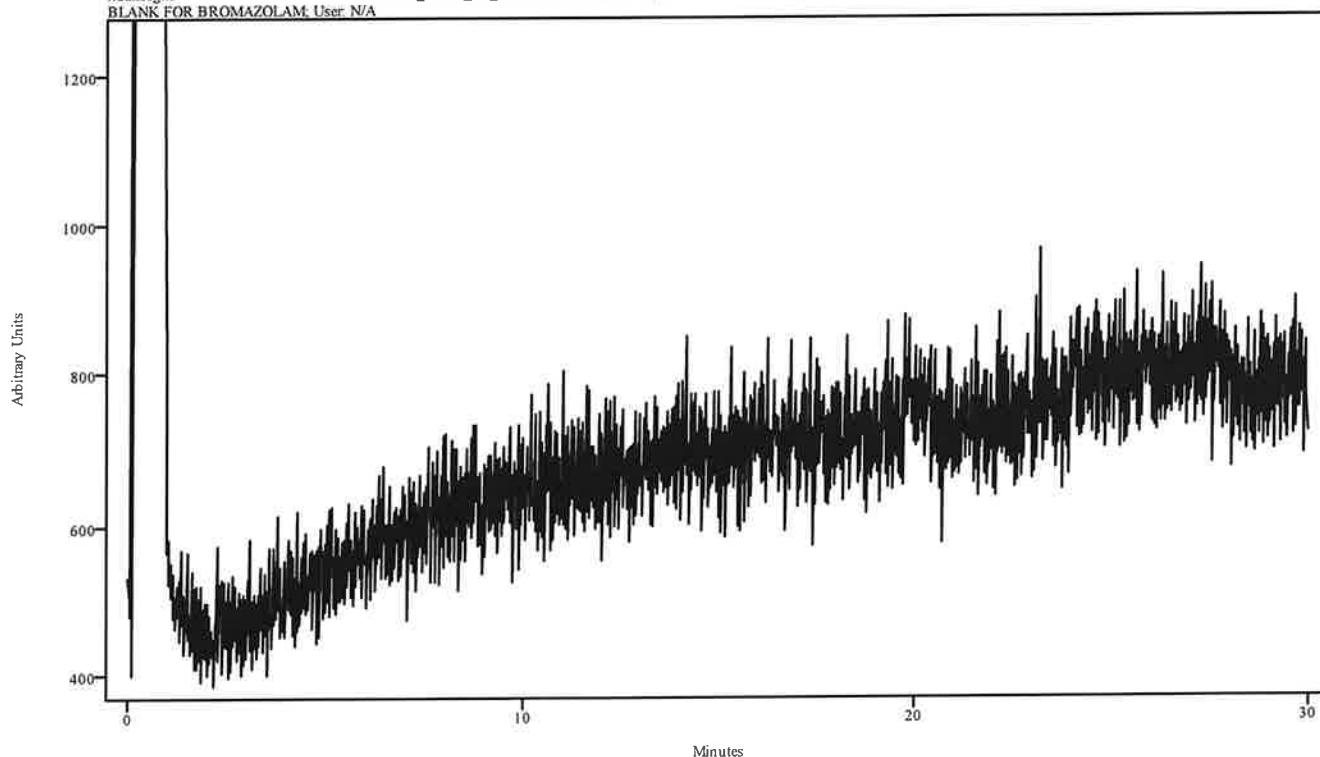


UH

IRD Data Analysis Report

Data Filename	BLANK FOR BROMAZOLAM 2022_March_04_141209
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL200TO270(30MIN)
GC Vial	2
Sample Name	BLANK FOR BROMAZOLAM
Misc. Info	MEOH:CURIE
User ID	N/A
Injection Time	Fri Mar 04 14:47:45 2022
Date Processed	Mon Mar 07 09:41:13 2022

irdata.cgm: BLANK FOR BROMAZOLAM 2022_March_04_141209\irdata.cgm : Misc. Info: MEOH:CURIE; Sample: BLANK FOR BROMAZOLAM; User: N/A



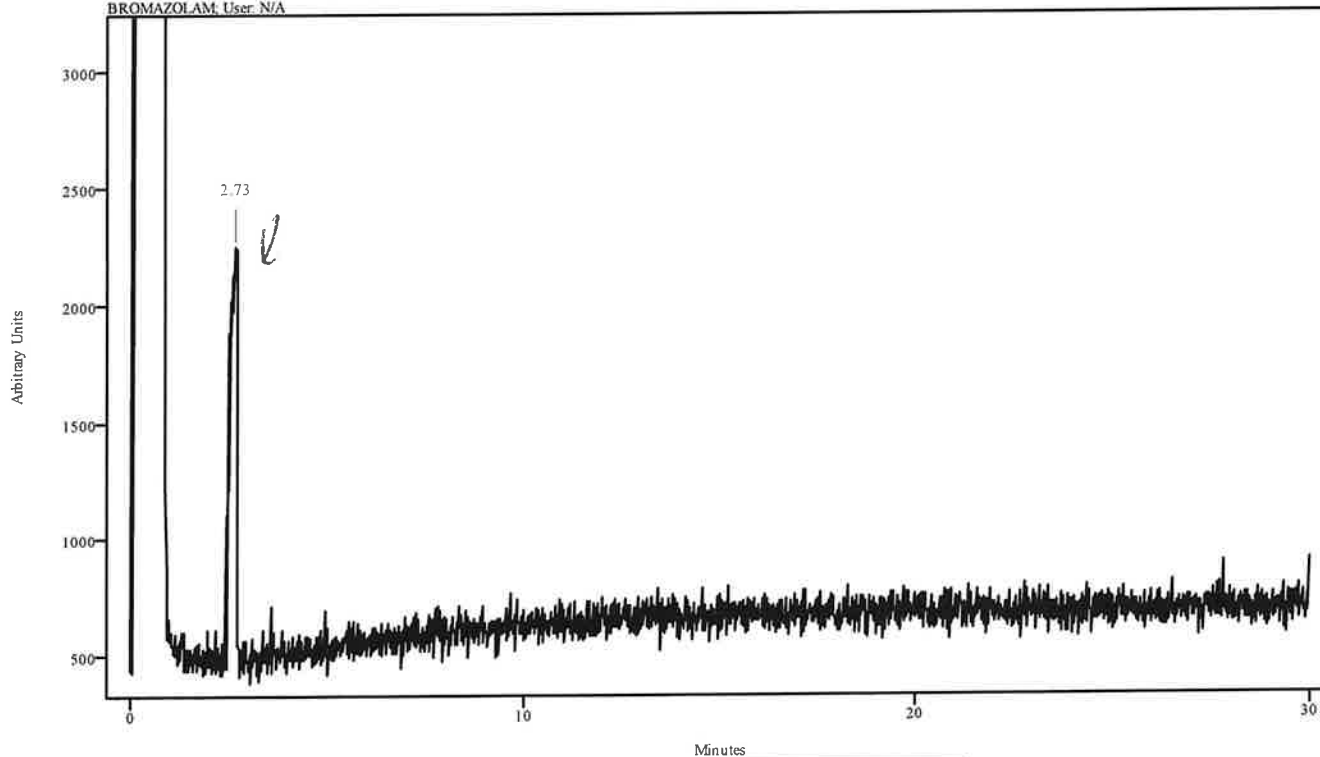
Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

MF

IRD Data Analysis Report

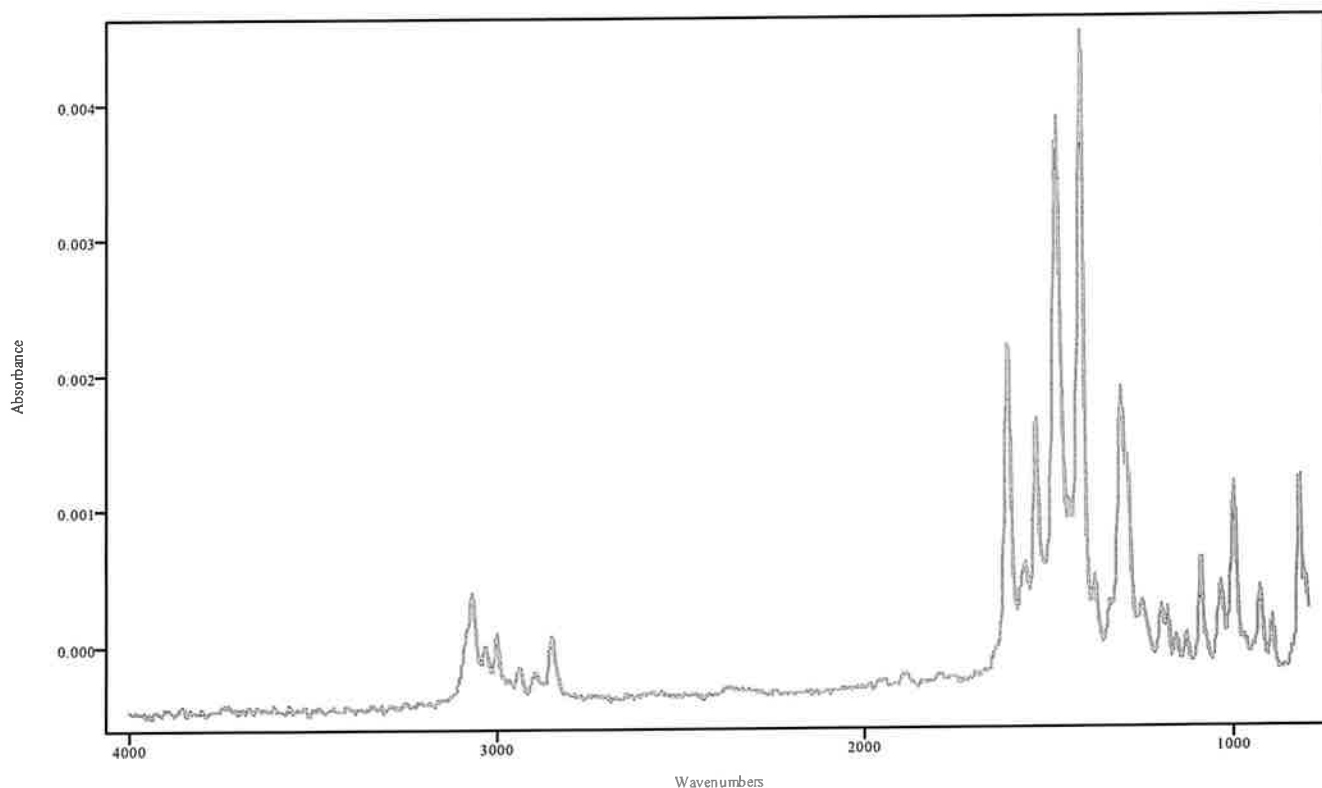
Data Filename	BROMAZOLAM 2022_March_04_144745
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL200TO270(30MIN)
GC Vial	16
Sample Name	BROMAZOLAM
Misc. Info	MEOH:CURIE
User ID	N/A
Injection Time	Fri Mar 04 15:23:14 2022
Date Processed	Mon Mar 07 12:32:22 2022

irdata.cgm: BROMAZOLAM 2022_March_04_144745\irdata.cgm : Misc. Info: MEOH:CURIE; Sample: BROMAZOLAM; User: N/A



Peak Start	Peak End	Peak Width	Reference Start	Reference End
2.499	2.758	0.264	1.963	2.365

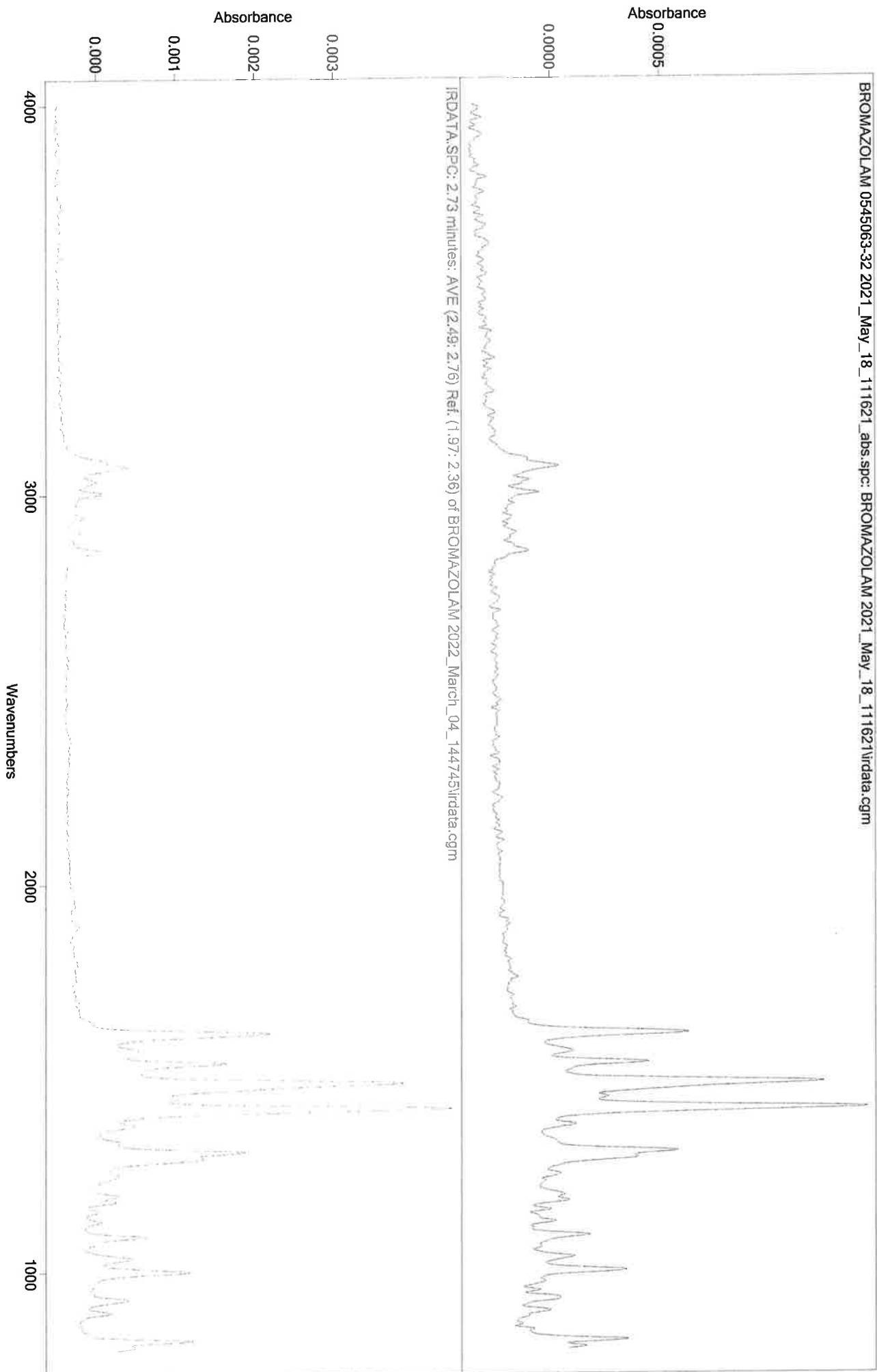
Data Filename	BROMAZOLAM 2022_March_04_144745
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL200TO270(30MIN)
GC Vial	16
Sample Name	BROMAZOLAM
Misc. Info	MEOH:CURIE
User ID	N/A
Injection Time	Fri Mar 04 15:23:14 2022
Date Processed	Mon Mar 07 12:32:22 2022



IRDATA.SPC: 2.73 minutes: AVE (2.49: 2.76) Ref. (1.97: 2.36) of BROMAZOLAM
 2022_March_04_144745.cgm

Bromazolam

JK

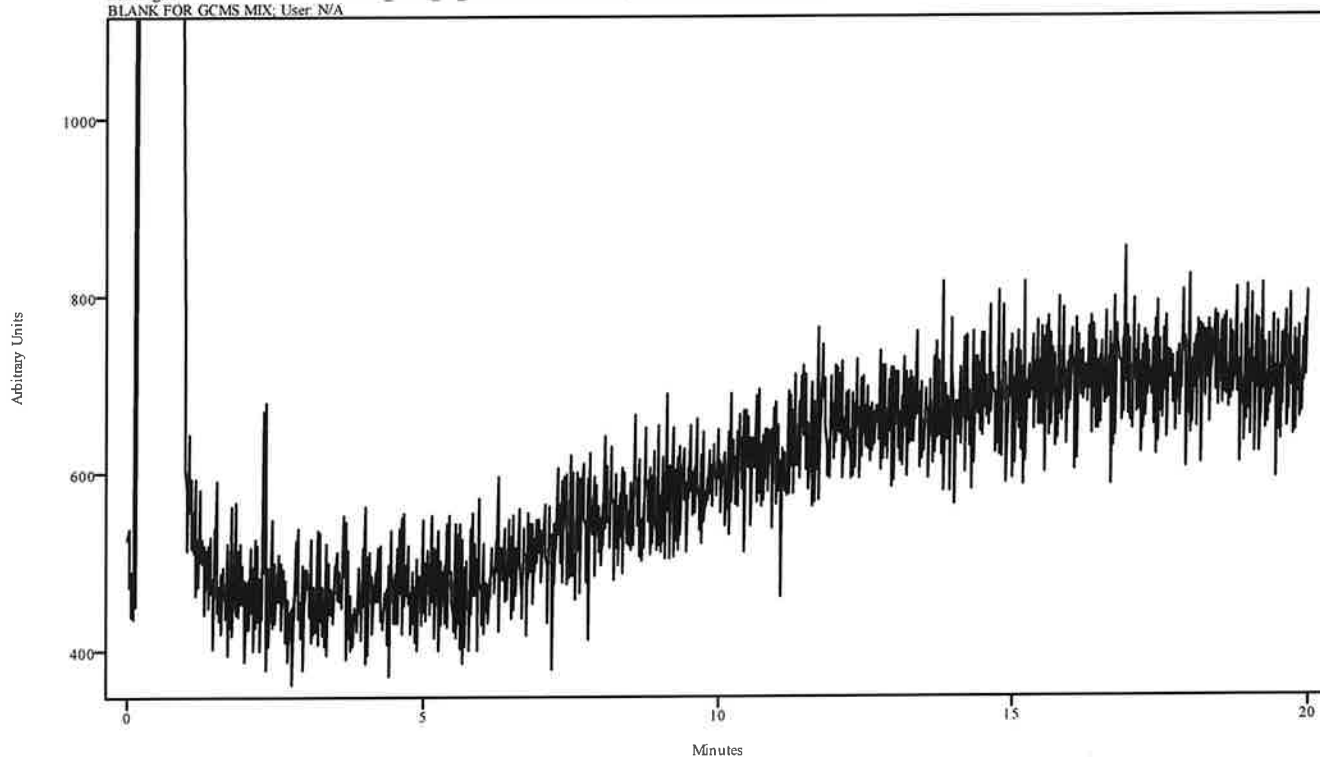


11

IRD Data Analysis Report

Data Filename	BLANK FOR GCMS MIX 2022_March_04_152314
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL90TO270(20MIN)
GC Vial	2
Sample Name	BLANK FOR GCMS MIX
Misc. Info	MEOH:CURIE
User ID	N/A
Injection Time	Fri Mar 04 15:49:48 2022
Date Processed	Mon Mar 07 09:46:16 2022

irdata.cgm: BLANK FOR GCMS MIX 2022_March_04_152314\irdata.cgm : Misc. Info: MEOH:CURIE; Sample: BLANK FOR GCMS MIX; User: N/A



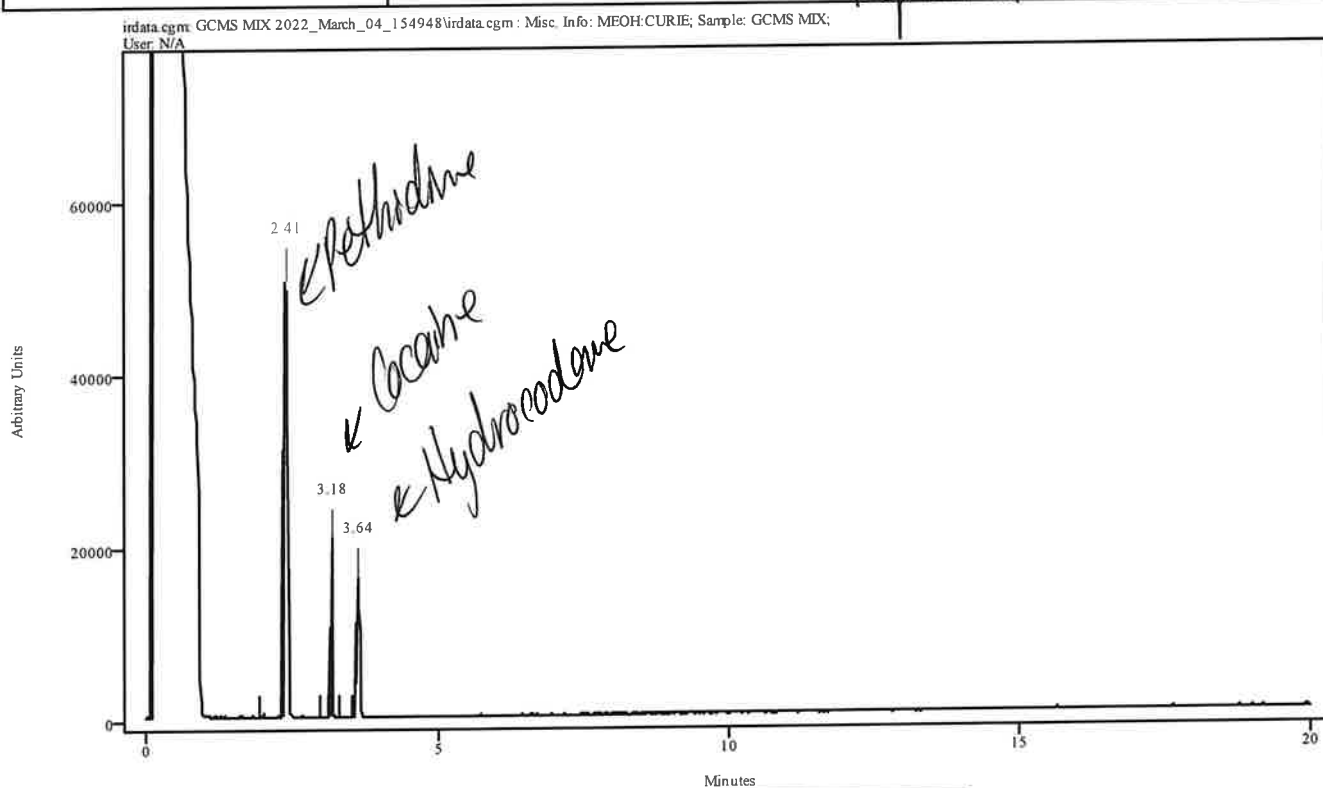
Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

IRD Data Analysis Report

YH

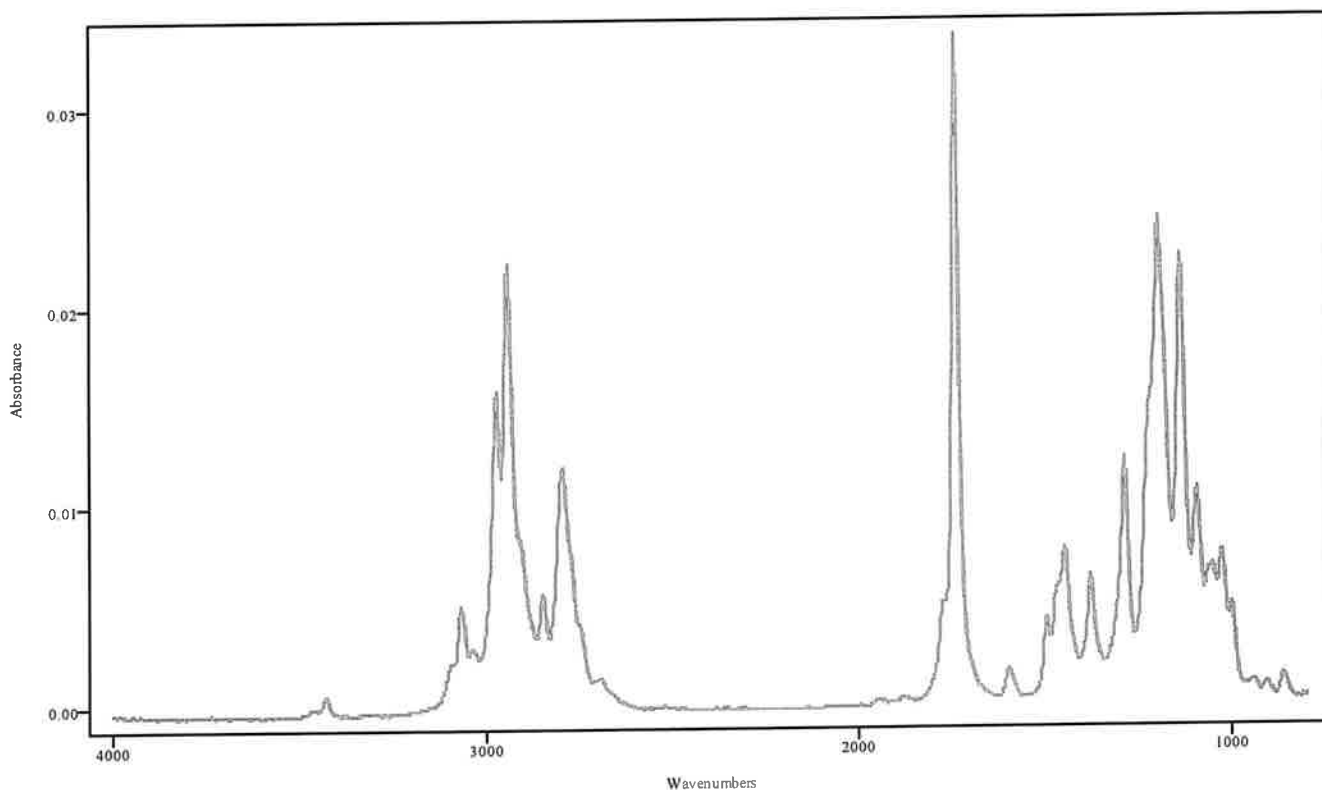
Data Filename	GCMS MIX 2022_March_04_154948
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL90TO270(20MIN)
GC Vial	17
Sample Name	GCMS MIX
Misc. Info	MEOH:CURIE
User ID	N/A
Injection Time	Fri Mar 04 16:16:15 2022
Date Processed	Tue Mar 08 13:59:16 2022

Reprinted



Peak Start	Peak End	Peak Width	Reference Start	Reference End
2.353	2.370	0.022	1.924	2.320
3.155	3.199	0.044	2.958	3.133
3.595	3.672	0.077	3.287	3.540

Data Filename	GCMS MIX 2022_March_04_154948
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL90TO270(20MIN)
GC Vial	17
Sample Name	GCMS MIX
Misc. Info	MEOH:CURIE
User ID	N/A
Injection Time	Fri Mar 04 16:16:15 2022
Date Processed	Tue Mar 08 13:59:16 2022

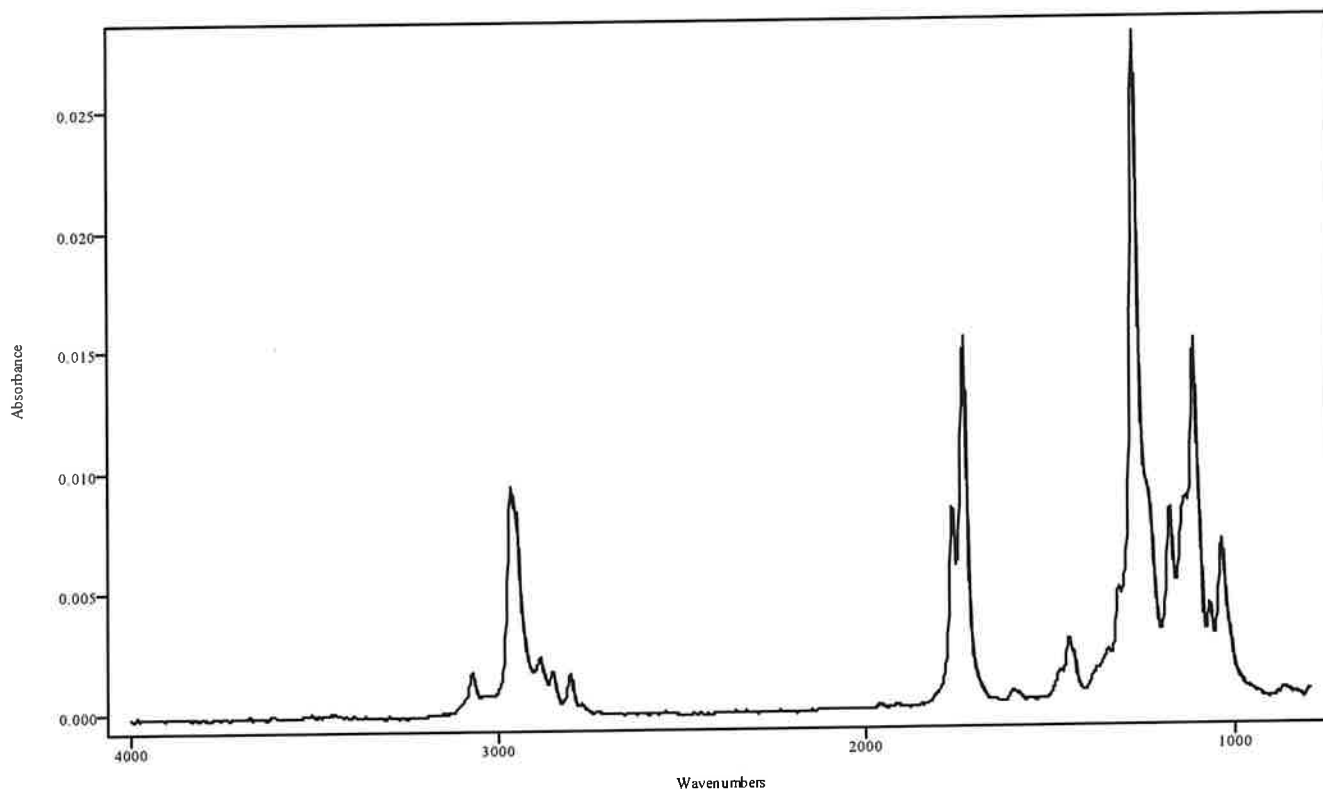


IRDATA.SPC: 2.41 minutes: AVE (2.35: 2.37) Ref. (1.92: 2.32) of GCMS MIX
2022_March_04_154948.cgm

Pethidine

Data Filename	GCMS MIX 2022_March_04_154948
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL90TO270(20MIN)
GC Vial	17
Sample Name	GCMS MIX
Misc. Info	MEOH:CURIE
User ID	N/A
Injection Time	Fri Mar 04 16:16:15 2022
Date Processed	Tue Mar 08 13:59:16 2022

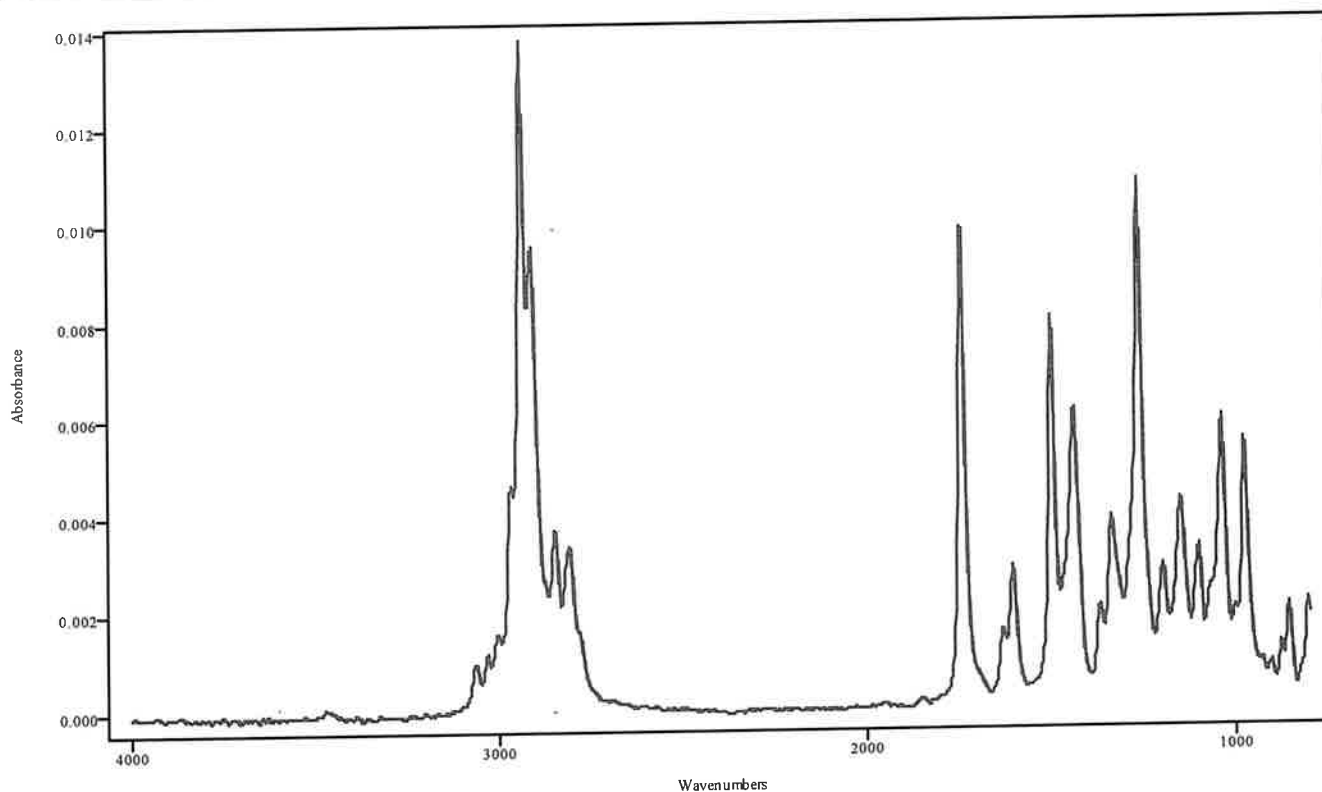
MA



IRDATA.SPC: 3.18 minutes: AVE (3.16: 3.20) Ref. (2.96: 3.13) of GCMS MIX
2022_March_04_154948.cgm

Cocaine

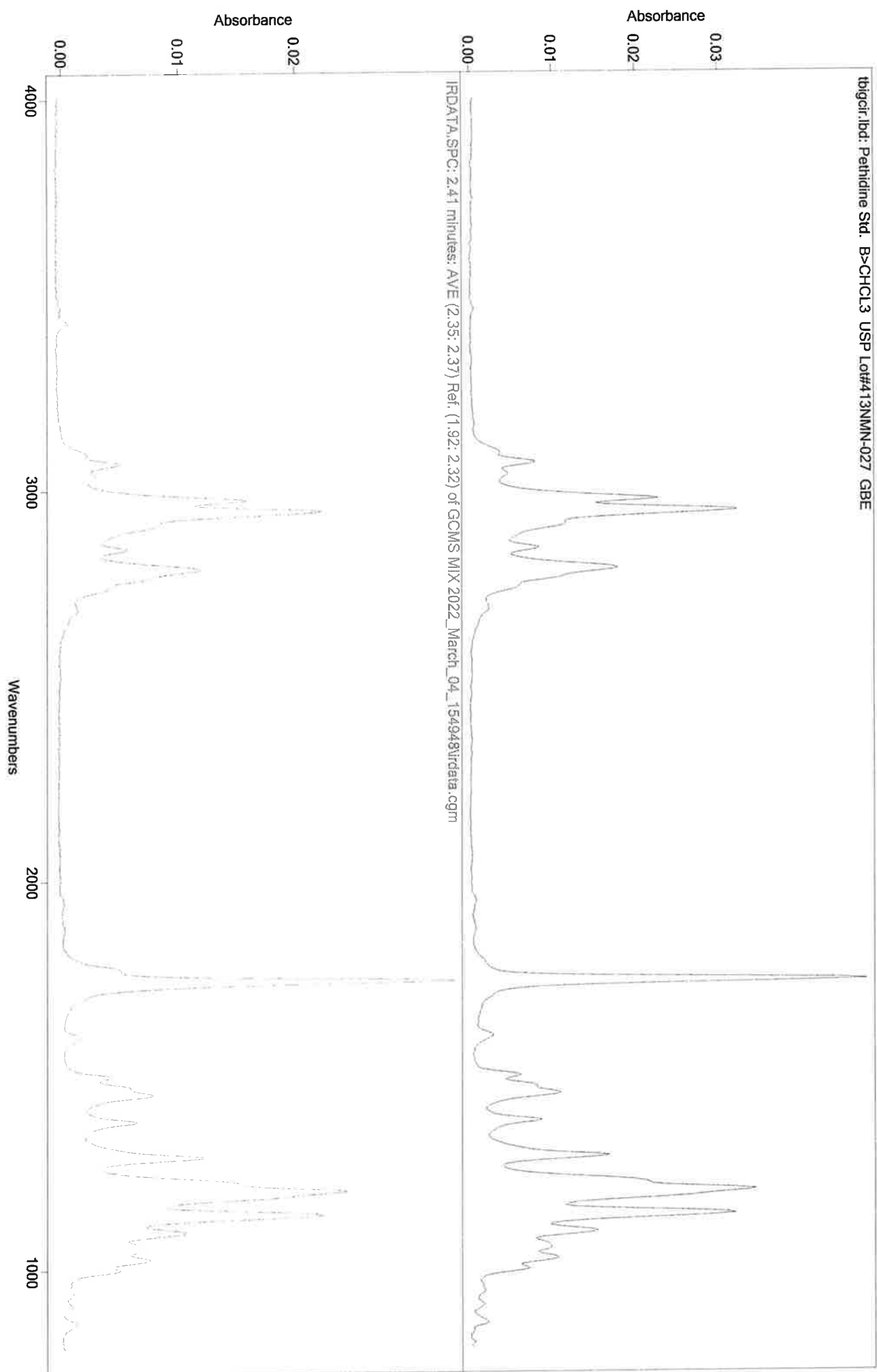
Data Filename	GCMS MIX 2022_March_04_154948
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLITLESS METHODS
IRD Method	IRD3
GC Method	SL90TO270(20MIN)
GC Vial	17
Sample Name	GCMS MIX
Misc. Info	MEOH:CURIE
User ID	N/A
Injection Time	Fri Mar 04 16:16:15 2022
Date Processed	Tue Mar 08 13:59:16 2022



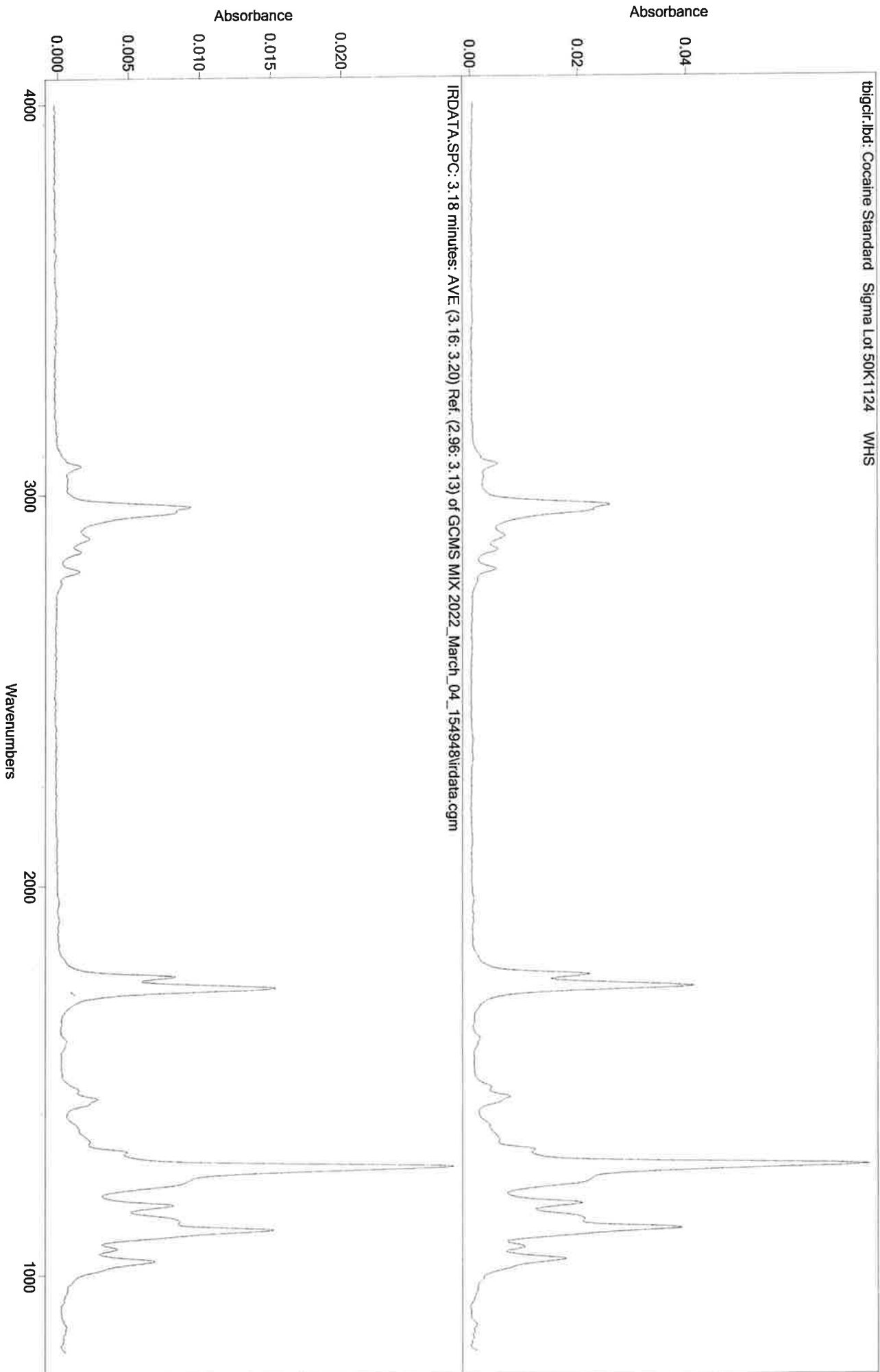
IRDATA.SPC: 3.64 minutes: AVE (3.60: 3.67) Ref. (3.29: 3.54) of GCMS MIX
2022_March_04_154948.cgm

Hydrocodone

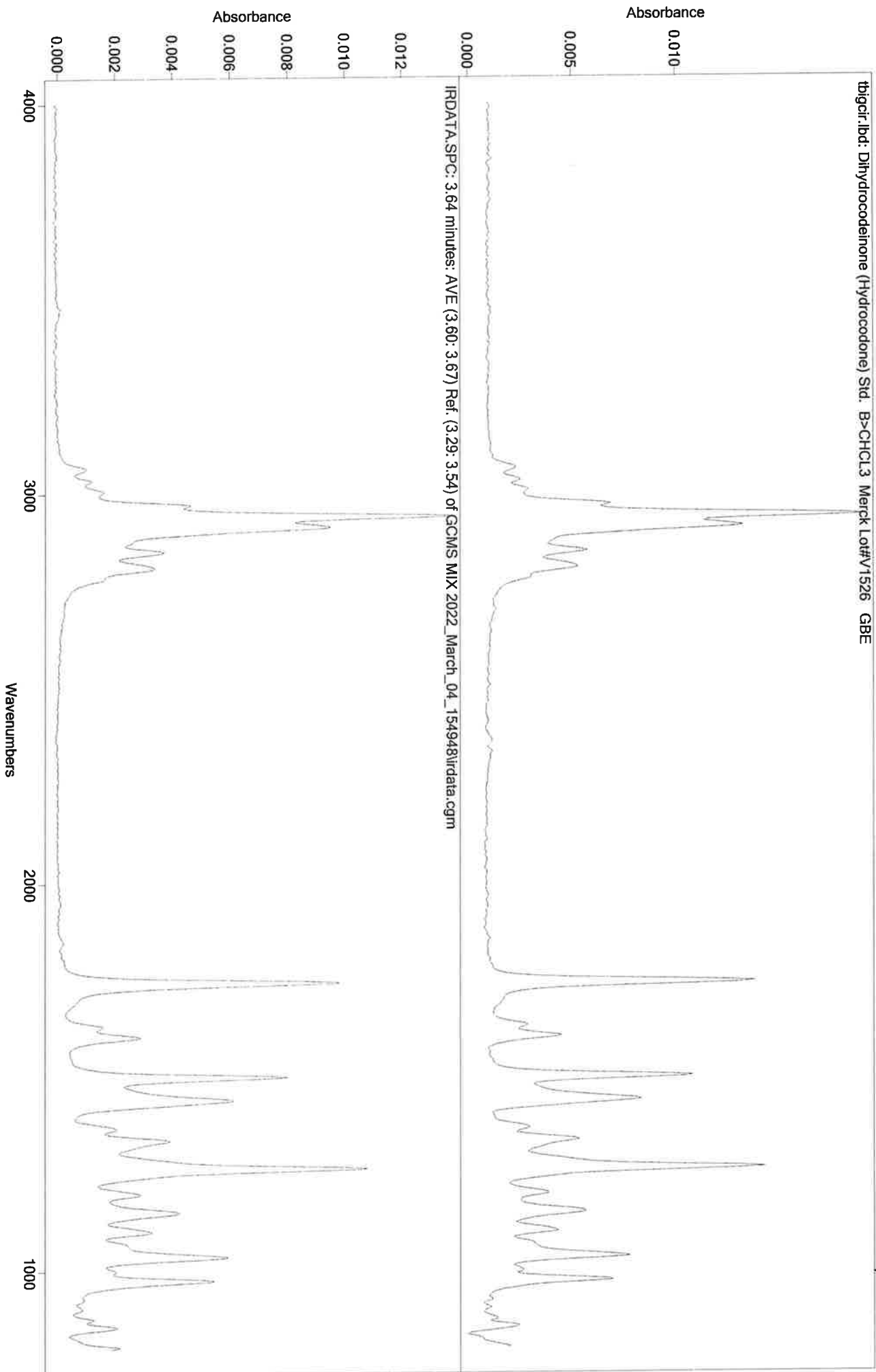
MA



ML



44



Sequence Name: SPLIT AUTOSAMPLE METHOD PERFORMANCE CHECK 3-2-22

MH

Sample Path: C:\ASAP DATA\PERFORMANCE CHECK\SPLIT METHODS

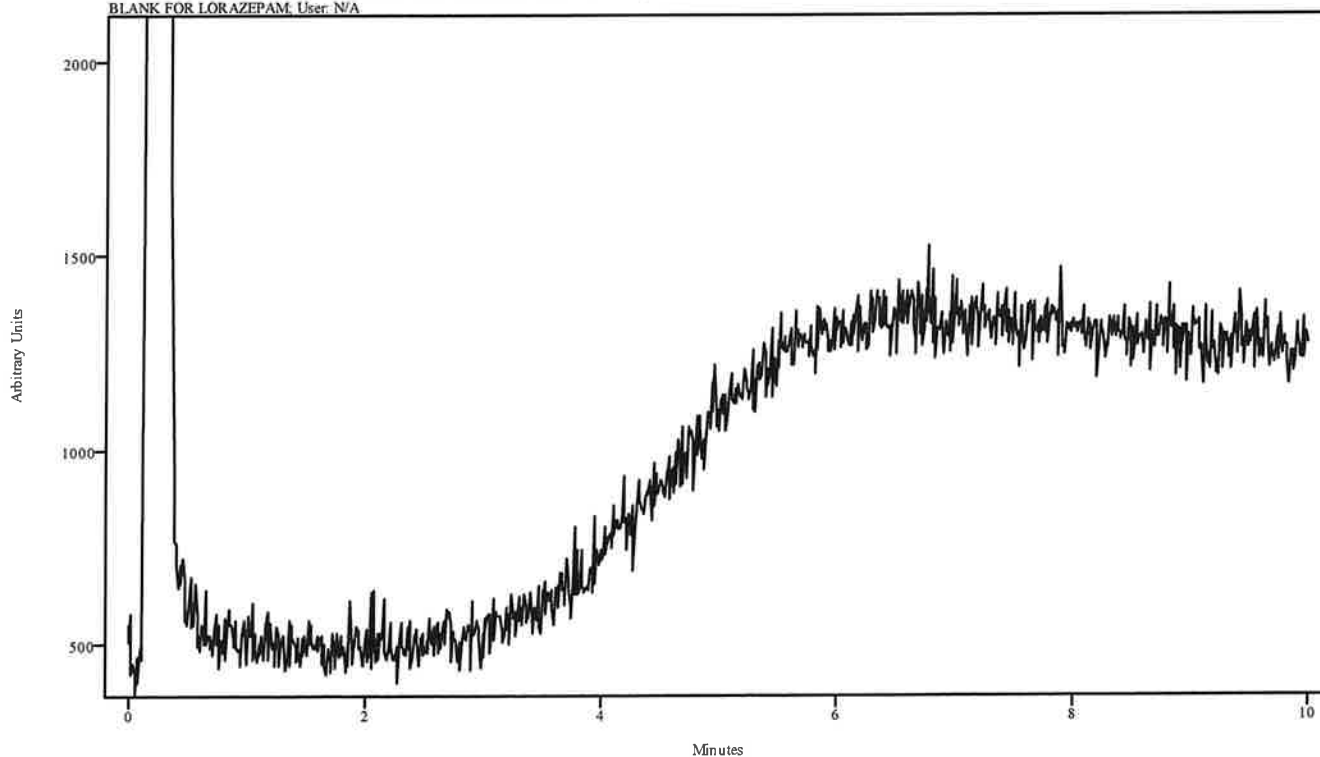
Type	IRD Method	GC Method	Vial	Sample ID	Data File	Solvent/Extract	Instrument ID
1	IRD3	90TO270	1	BLANK FOR	BLANK FOR	MEOH	CURIE
2	IRD3	90TO270	3	LORAZEPAM	LORAZEPAM	MEOH	CURIE
3	IRD3	200TO270(3	1	BLANK FOR	BLANK FOR	MEOH	CURIE
4	IRD3	200TO270(3	4	NANDROLONE	NANDROLONE	MEOH	CURIE
5	IRD3	90TO270@35	1	BLANK FOR	BLANK FOR	MEOH	CURIE
6	IRD3	90TO270@35	5	XYLAZINE	XYLAZINE \$	MEOH	CURIE
7	IRD3	200TO270(2	1	BLANK FOR	BLANK FOR	MEOH	CURIE
8	IRD3	200TO270(2	6	TESTOSTERO	TESTOST BE	MEOH	CURIE
9	IRD3	200TO270	1	BLANK FOR	BLANK FOR	MEOH	CURIE
10	IRD3	200TO270	7	MODAFINIL	MODAFINIL	ACETONITRILE	CURIE
11	IRD3	90TO270@35	1	BLANK FOR	BLANK FOR	MEOH	CURIE
12	IRD3	90TO270@35	8	N,N DMT	N,N DMT \$(	MEOH	CURIE
13	IRD3	90TO270@35	2	BLANK FOR	BLANK FOR	MEOH	CURIE
14	IRD3	90TO270@35	9	FENTANYL	FENTANYL \$	MEOH	CURIE
15	IRD3	90TO270(20	2	BLANK FOR	BLANK FOR	MEOH	CURIE
16	IRD3	90TO270(20	10	PENTOBARBI	PENTOBARBI	MEOH	CURIE
17	IRD3	90TO270@35	2	BLANK FOR	BLANK FOR	MEOH	CURIE
18	IRD3	90TO270@35	11	HEROIN	HEROIN \$(D	ACETONITRILE	CURIE
19	IRD3	90TO270	2	BLANK FOR	BLANK FOR	MEOH	CURIE
20	IRD3	90TO270	12	AMOBARBITA	AMOBARBITA	MEOH	CURIE
21	IRD3	200TO270(2	2	BLANK FOR	BLANK FOR	MEOH	CURIE
22	IRD3	200TO270(2	13	MITRAGYNIN	MITRAGYNIN	MEOH	CURIE
23	IRD3	90TO270@35	2	BLANK FOR	BLANK FOR	MEOH	CURIE
24	IRD3	90TO270@35	14	CARISPROD	CARISPROD	MEOH	CURIE
25	IRD3	200TO270	2	BLANK FOR	BLANK FOR	MEOH	CURIE
26	IRD3	200TO270	15	BUPRENORPH	BUPRENORPH	MEOH	CURIE
27	IRD3	200TO270(3	2	BLANK FOR	BLANK FOR	MEOH	CURIE
28	IRD3	200TO270(3	16	BROMAZOLAM	BROMAZOLAM	MEOH	CURIE
29	IRD3	90TO270	2	BLANK FOR	BLANK FOR	MEOH	CURIE
30	IRD3	90TO270	17	GCMS MIX	GCMS MIX \$	MEOH	CURIE

IRD Data Analysis Report

Handwritten signature

Data Filename	BLANK FOR LORAZEPAM 2022_March_02_155518
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	90TO270
GC Vial	1
Sample Name	BLANK FOR LORAZEPAM
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Wed Mar 02 16:07:53 2022
Date Processed	Thu Mar 03 09:40:12 2022

irdata.cgm: BLANK FOR LORAZEPAM 2022_March_02_155518\irdata.cgm: Misc. Info: MEOH:CURIE; Sample: BLANK FOR LORAZEPAM; User: N/A

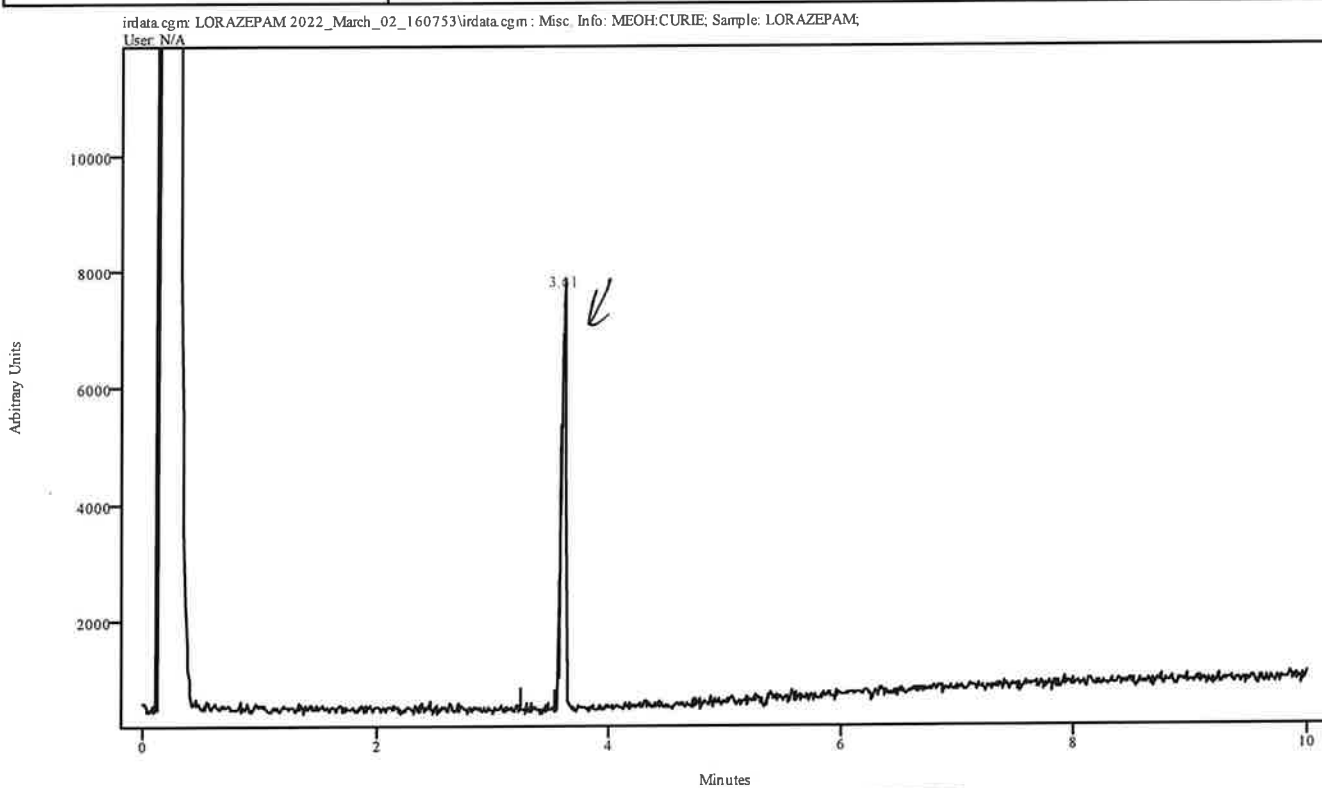


Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

PH

IRD Data Analysis Report

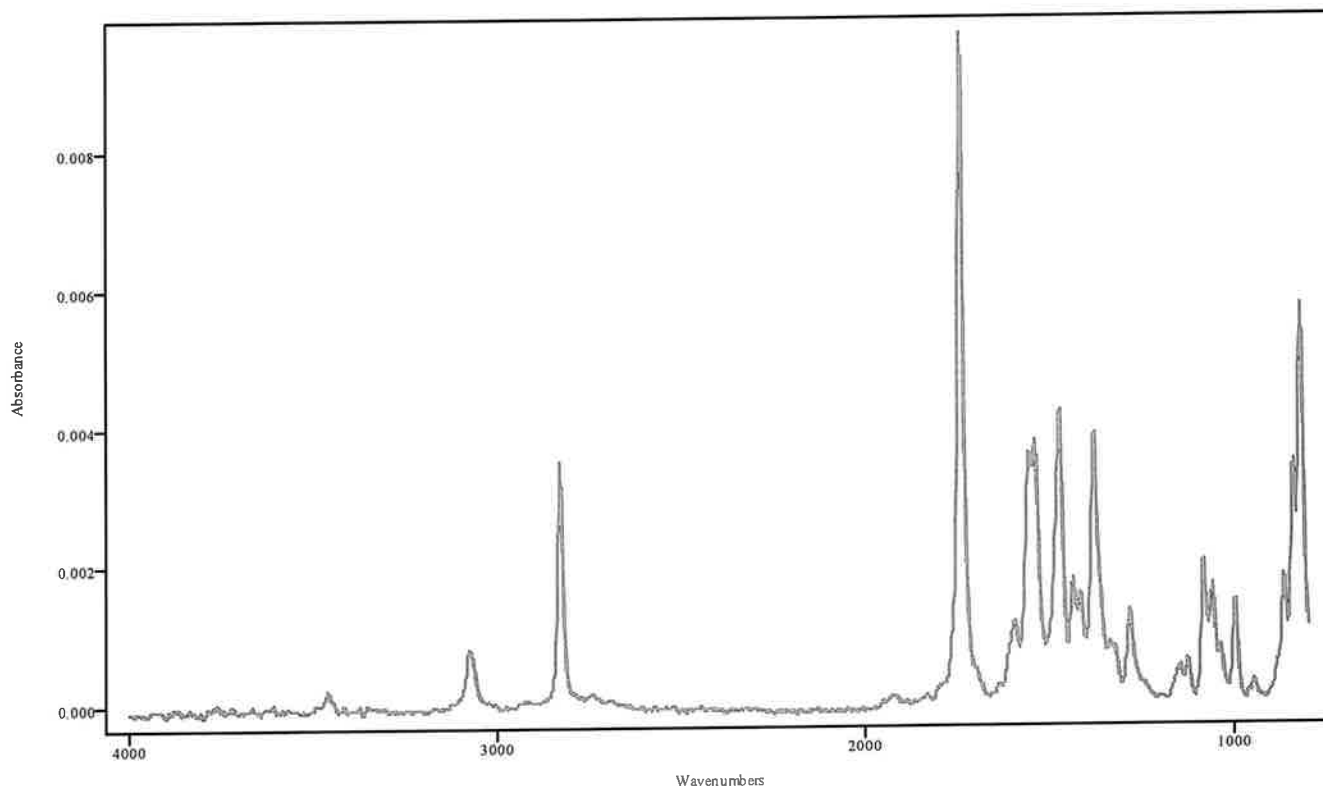
Data Filename	LORAZEPAM 2022_March_02_160753
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	90TO270
GC Vial	3
Sample Name	LORAZEPAM
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Wed Mar 02 16:24:24 2022
Date Processed	Thu Mar 03 09:41:02 2022



Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.574	3.640	0.066	3.234	3.541

114

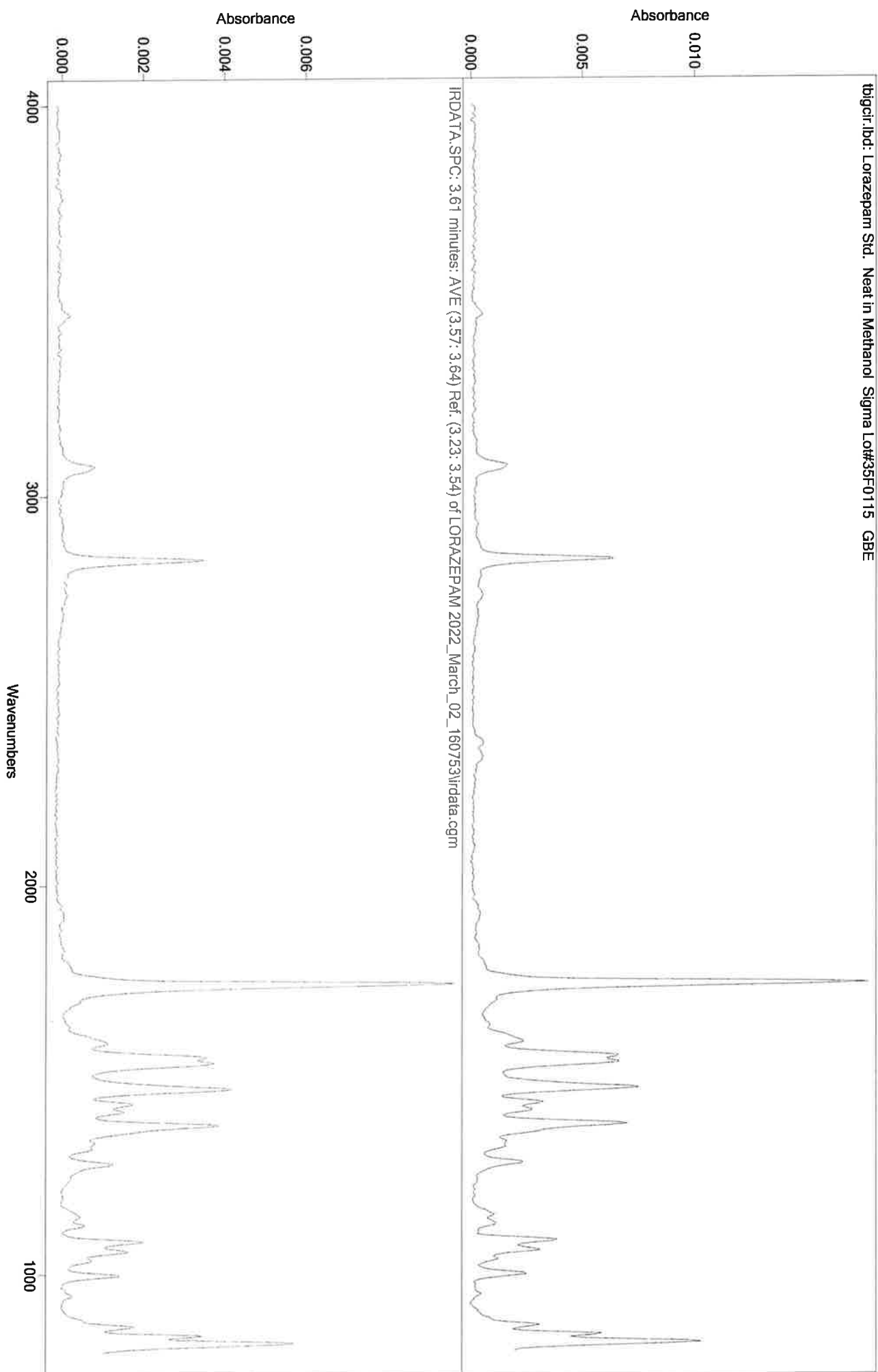
Data Filename	LORAZEPAM 2022_March_02_160753
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	90TO270
GC Vial	3
Sample Name	LORAZEPAM
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Wed Mar 02 16:24:24 2022
Date Processed	Thu Mar 03 09:41:02 2022



IRDATA.SPC: 3.61 minutes: AVE (3.57: 3.64) Ref. (3.23: 3.54) of LORAZEPAM
2022_March_02_160753.cgm

Lorazepam

all

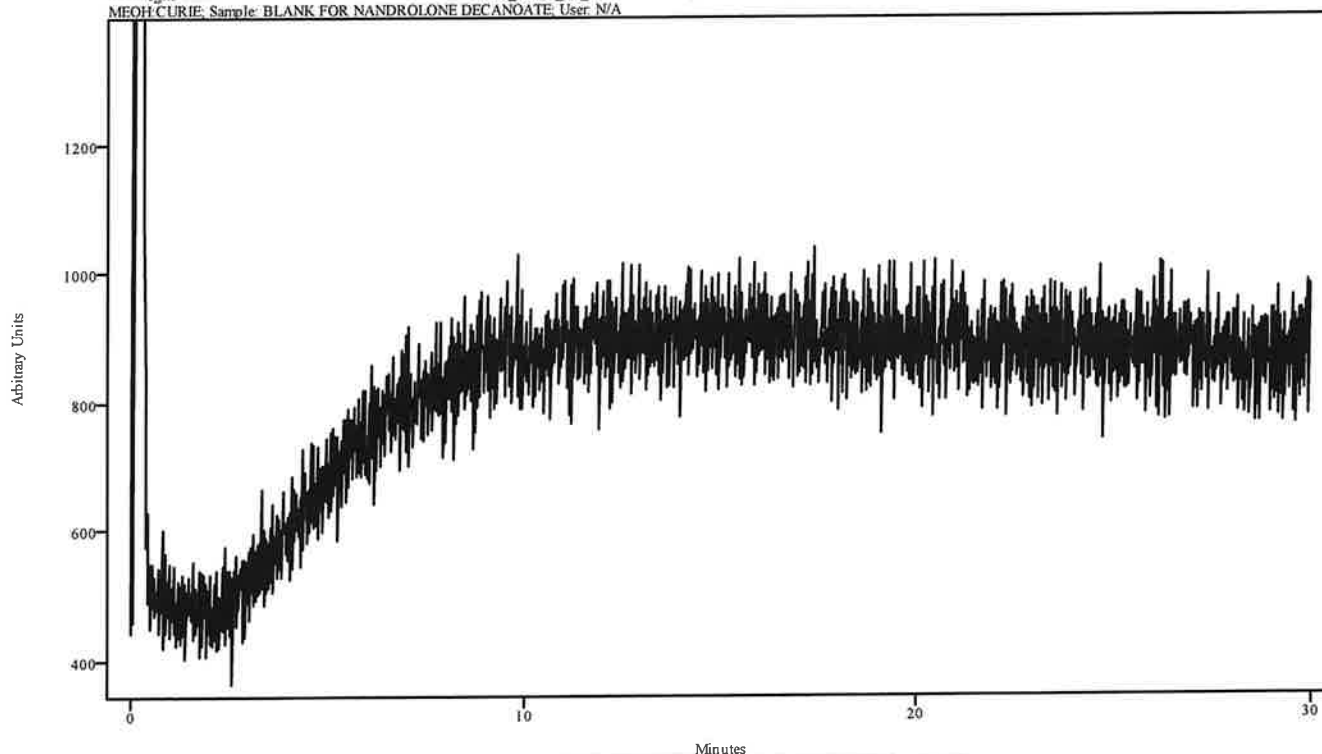


IRD Data Analysis Report

Handwritten signature

Data Filename	BLANK FOR NANDROLONE DECANOATE 2022_March_02_162424
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	200TO270(30MIN)
GC Vial	1
Sample Name	BLANK FOR NANDROLONE DECANOATE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Wed Mar 02 17:00:08 2022
Date Processed	Thu Mar 03 09:45:23 2022

irdata.cgm: BLANK FOR NANDROLONE DECANOATE 2022_March_02_162424
 Misc. Info: MEOH:CURIE; Sample: BLANK FOR NANDROLONE DECANOATE; User: N/A



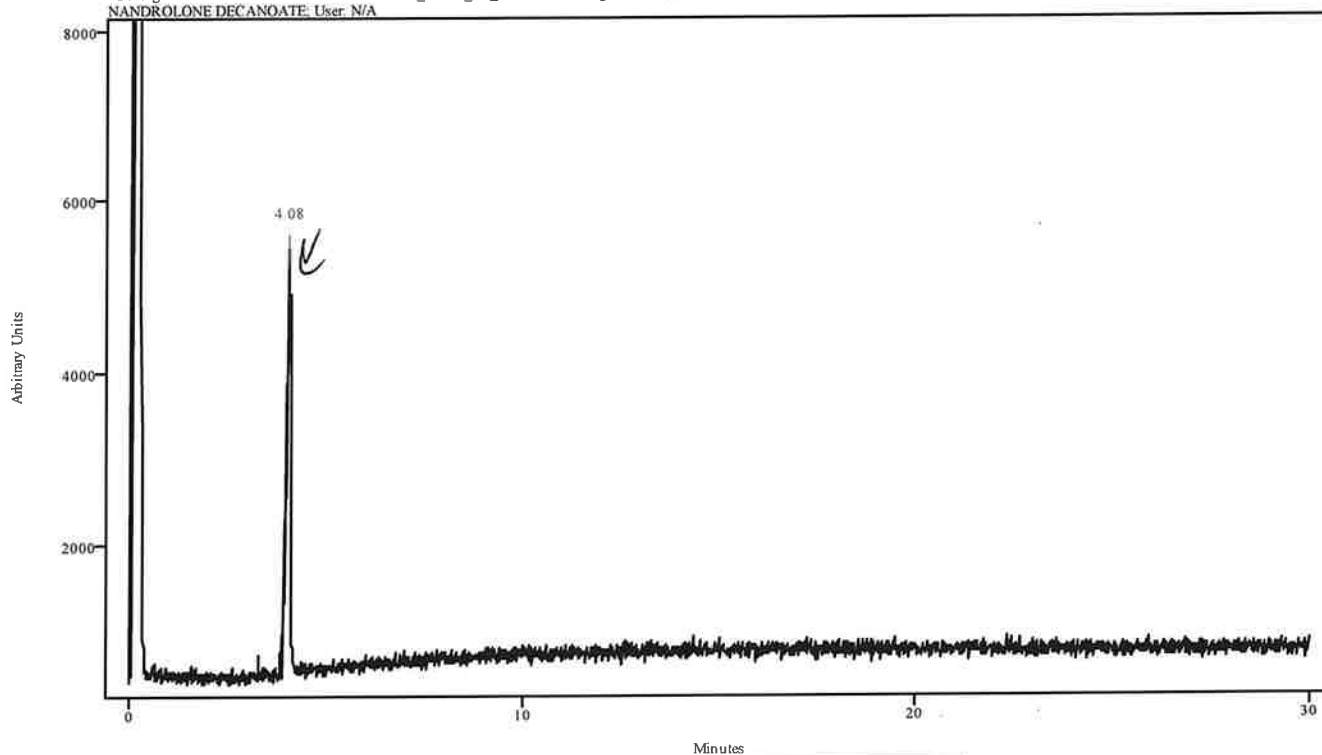
Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

UH

IRD Data Analysis Report

Data Filename	NANDROLONE DECANOATE 2022_March_02_170008
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	200TO270(30MIN)
GC Vial	4
Sample Name	NANDROLONE DECANOATE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Wed Mar 02 17:35:37 2022
Date Processed	Thu Mar 03 09:46:27 2022

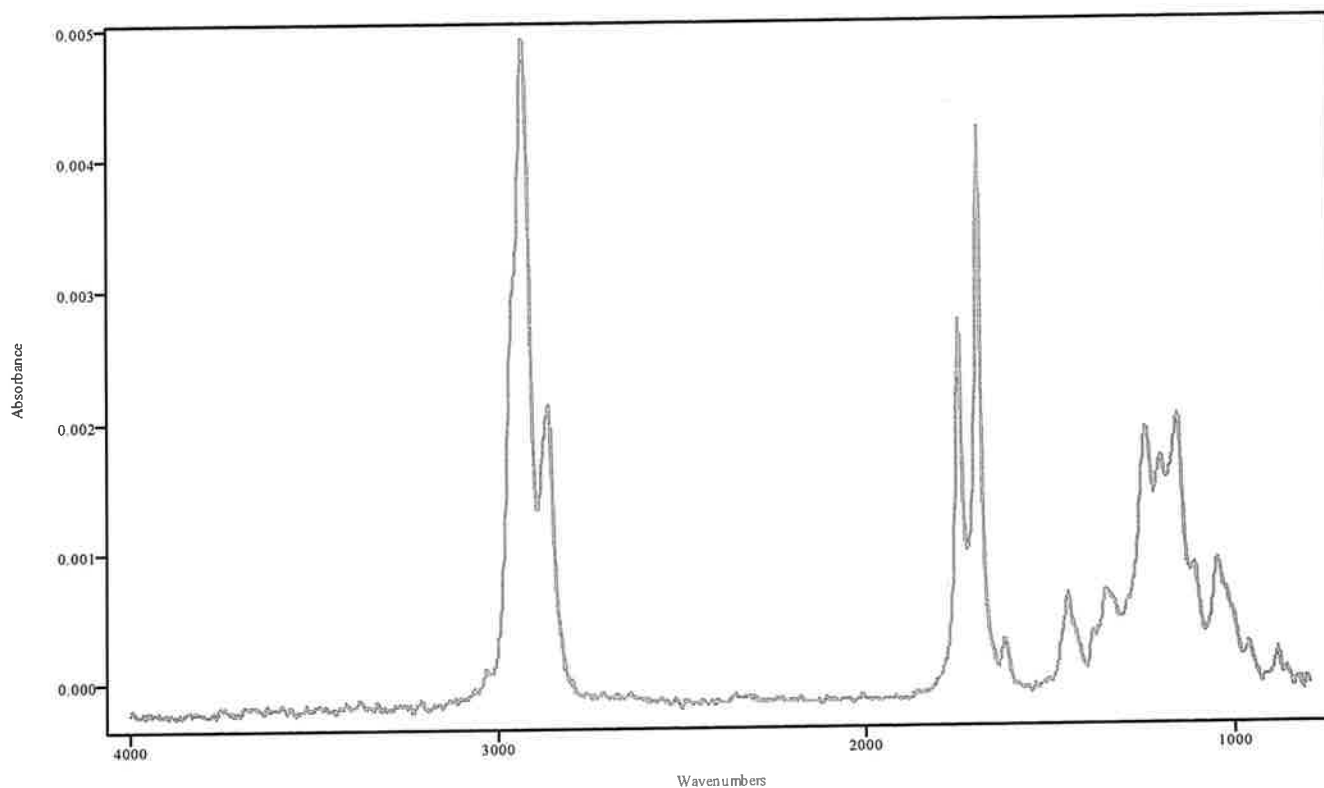
irdata.cgm: NANDROLONE DECANOATE 2022_March_02_170008\irdata.cgm : Misc, Info: MEOH:CURIE; Sample:
NANDROLONE DECANOATE: User: N/A



Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.988	4.120	0.131	3.298	3.868

YH

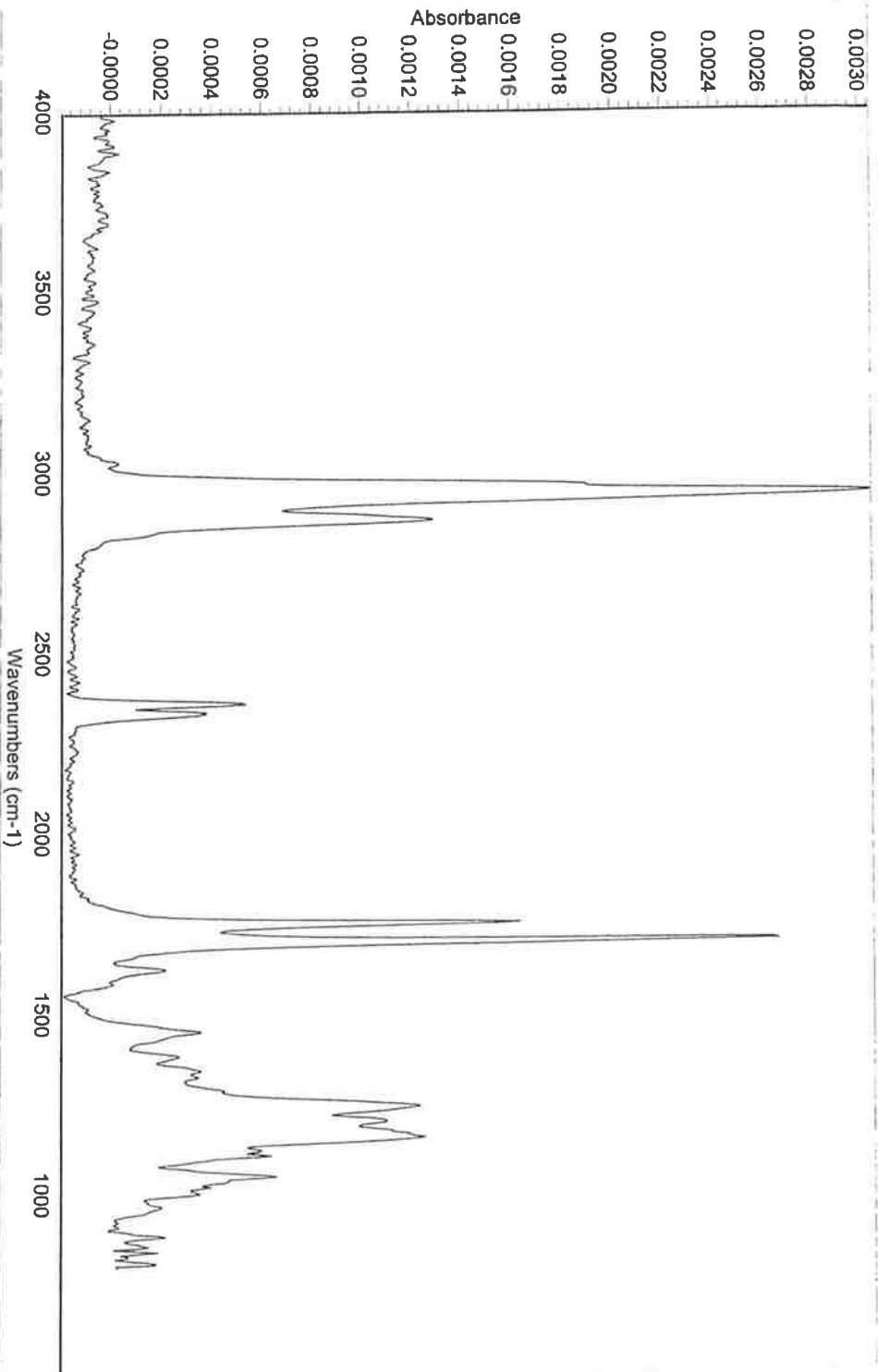
Data Filename	NANDROLONE DECANOATE 2022_March_02_170008
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	200TO270(30MIN)
GC Vial	4
Sample Name	NANDROLONE DECANOATE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Wed Mar 02 17:35:37 2022
Date Processed	Thu Mar 03 09:46:27 2022



IRDATA.SPC: 4.08 minutes: AVE (3.99: 4.12) Ref. (3.30: 3.87) of NANDROLONE DECANOATE
2022_March_02_170008.cgm

Nandrolone Decanoate

41



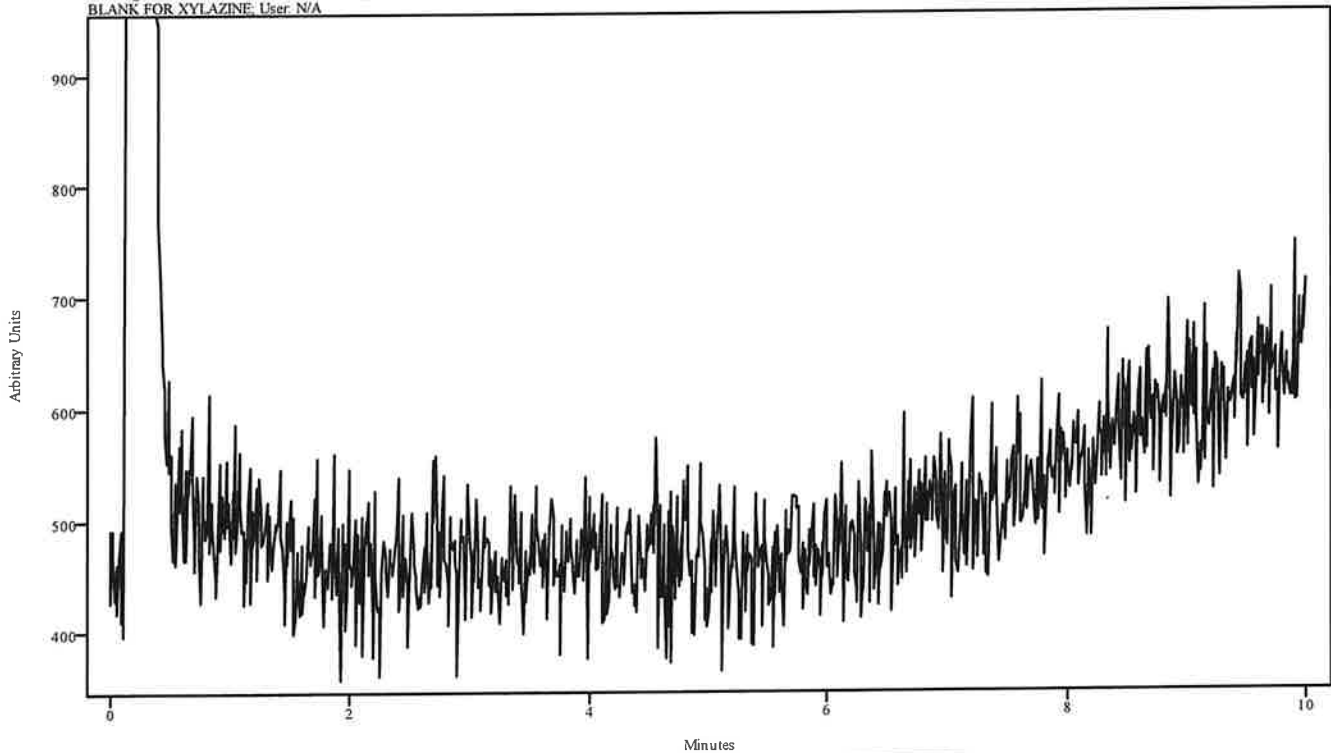
19-NORTESTOSTERONE (NANDROLONE) 17-DECANOATE SIGMA LOT# 67F07691 ISO 270C MeOH 9.29 - 9.65 min. 5m GBE
IR #1
Collection time: Tue Jul 15 19:28:33 2008 (GMT-05:00)

11

IRD Data Analysis Report

Data Filename	BLANK FOR XYLAZINE 2022_March_02_173537
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	90TO270@35C
GC Vial	1
Sample Name	BLANK FOR XYLAZINE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Wed Mar 02 17:52:11 2022
Date Processed	Thu Mar 03 09:49:02 2022

irdata.cgm: BLANK FOR XYLAZINE 2022_March_02_173537\irdata.cgm : Misc, Info: MEOH:CURIE; Sample:
BLANK FOR XYLAZINE; User: N/A

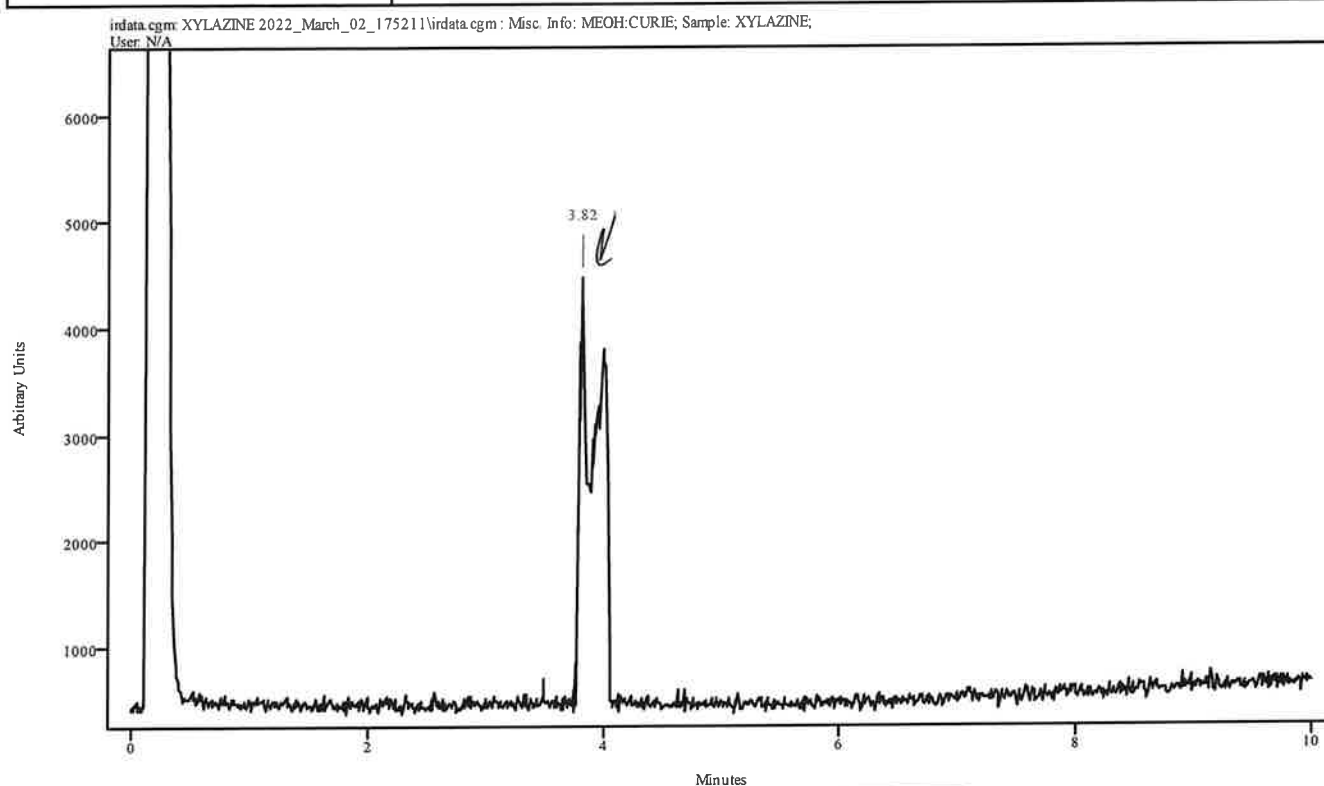


Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

11

IRD Data Analysis Report

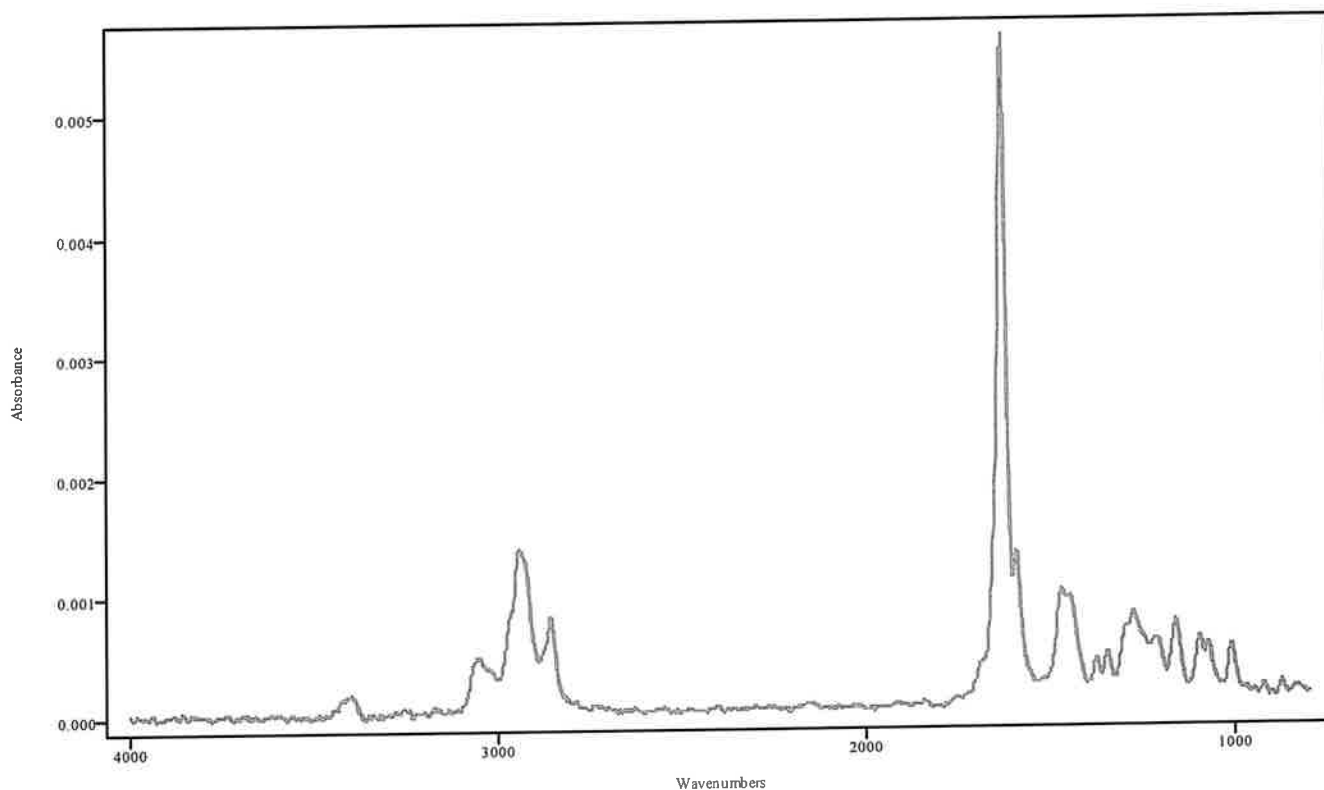
Data Filename	XYLAZINE 2022_March_02_175211
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	90TO270@35C
GC Vial	5
Sample Name	XYLAZINE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Wed Mar 02 18:08:31 2022
Date Processed	Thu Mar 03 09:50:02 2022



Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.788	4.054	0.263	3.491	3.755

CH

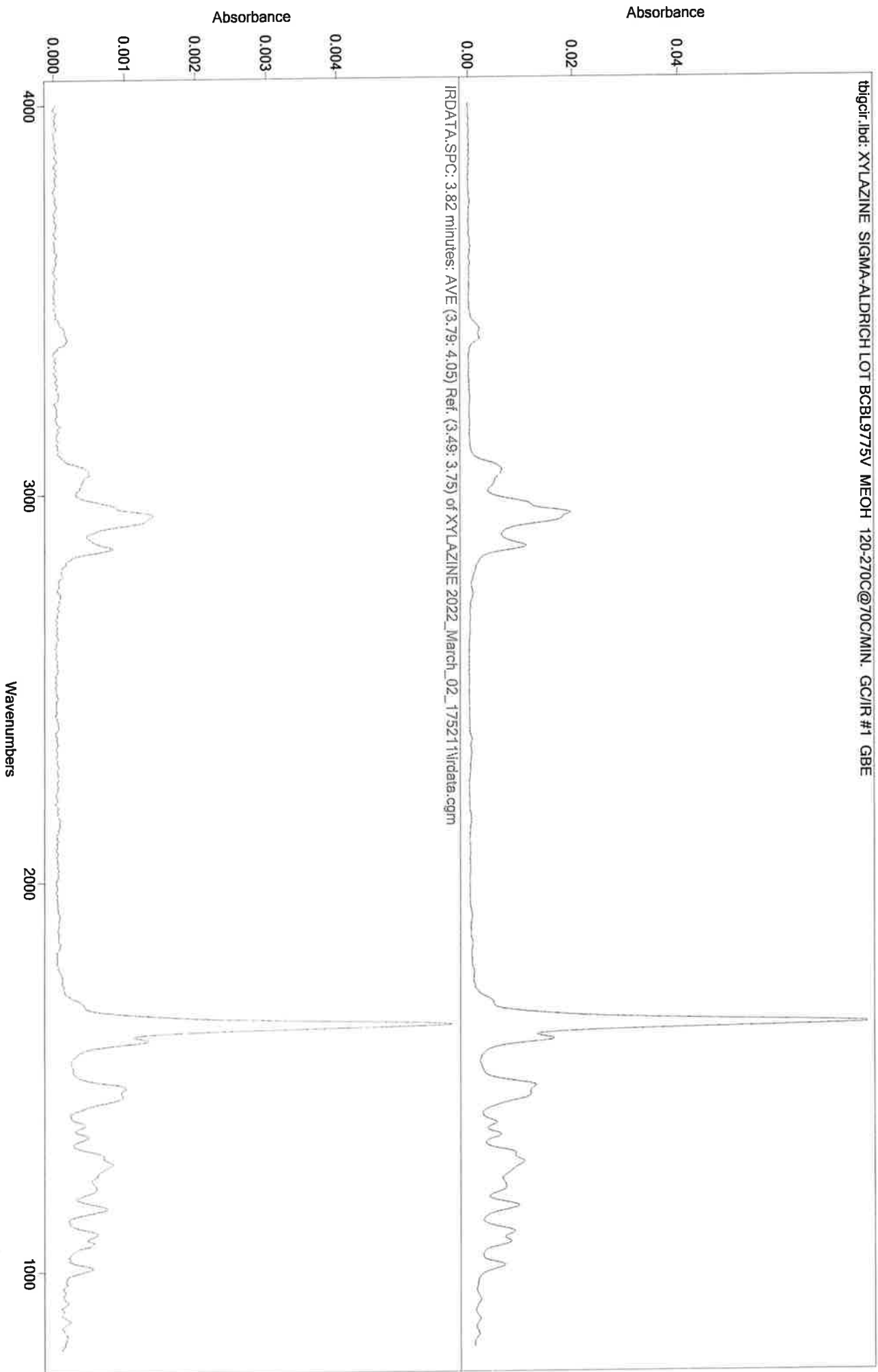
Data Filename	XYLAZINE 2022_March_02_175211
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	90TO270@35C
GC Vial	5
Sample Name	XYLAZINE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Wed Mar 02 18:08:31 2022
Date Processed	Thu Mar 03 09:50:02 2022



IRDATA.SPC: 3.82 minutes: AVE (3.79: 4.05) Ref. (3.49: 3.75) of XYLAZINE
2022_March_02_175211.cgm

Xylazine

Handwritten signature

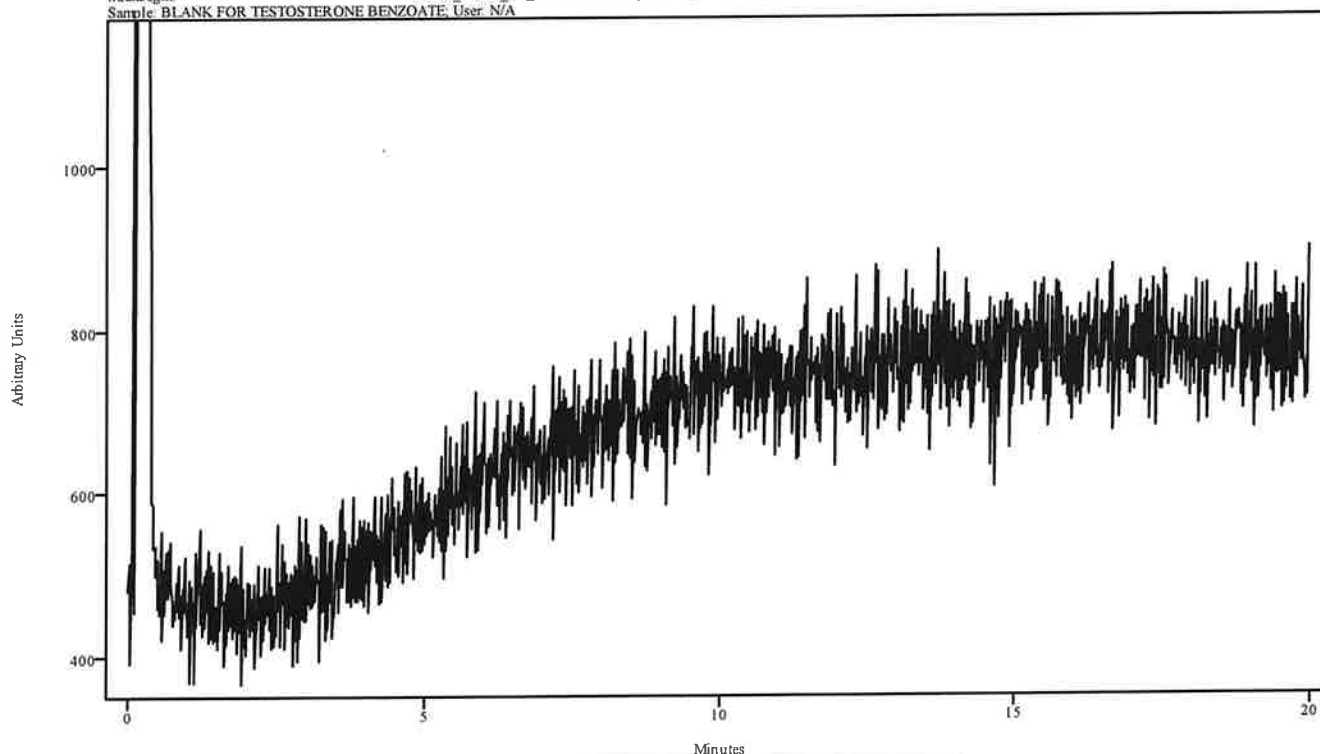


YH

IRD Data Analysis Report

Data Filename	BLANK FOR TESTOST BENZOATE 2022_March_02_180831
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	200TO270(20MIN)
GC Vial	1
Sample Name	BLANK FOR TESTOSTERONE BENZOATE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Wed Mar 02 18:34:17 2022
Date Processed	Thu Mar 03 09:47:59 2022

irdata.cgm: BLANK FOR TESTOST BENZOATE 2022_March_02_180831\irdata.cgm : Misc. Info: MEOH:CURIE;
Sample: BLANK FOR TESTOSTERONE BENZOATE, User: N/A

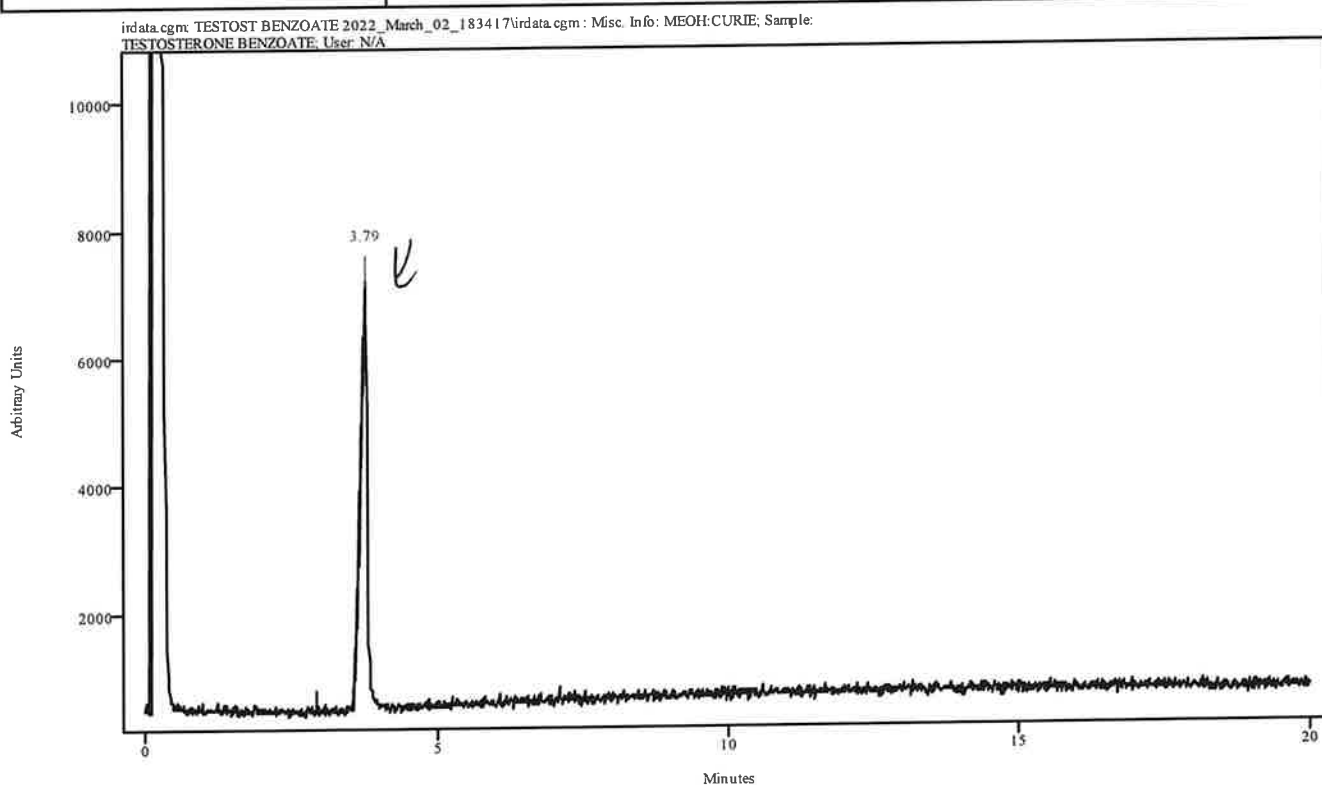


Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

MT

IRD Data Analysis Report

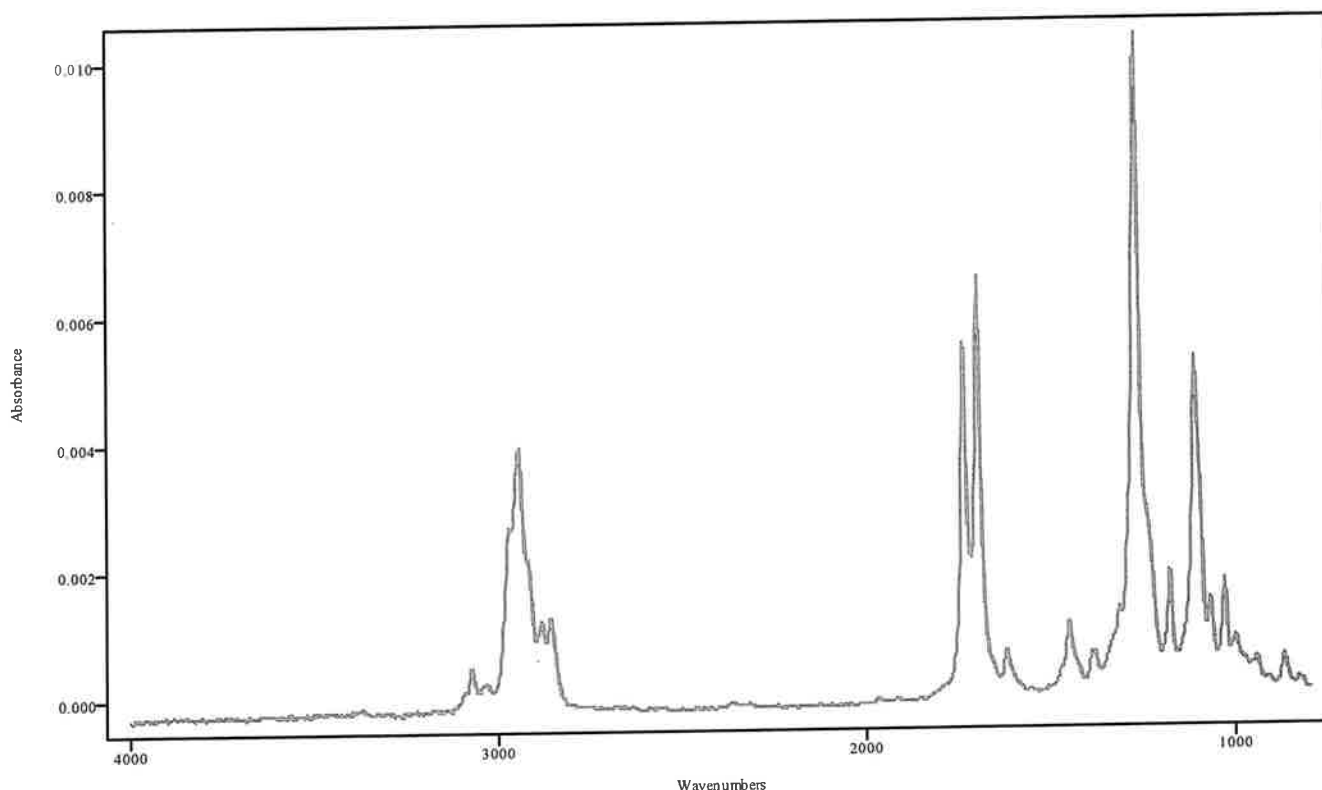
Data Filename	TESTOST BENZOATE 2022_March_02_183417
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	200TO270(20MIN)
GC Vial	6
Sample Name	TESTOSTERONE BENZOATE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Wed Mar 02 18:59:42 2022
Date Processed	Thu Mar 03 09:48:39 2022



Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.677	3.820	0.143	2.931	3.546

MA

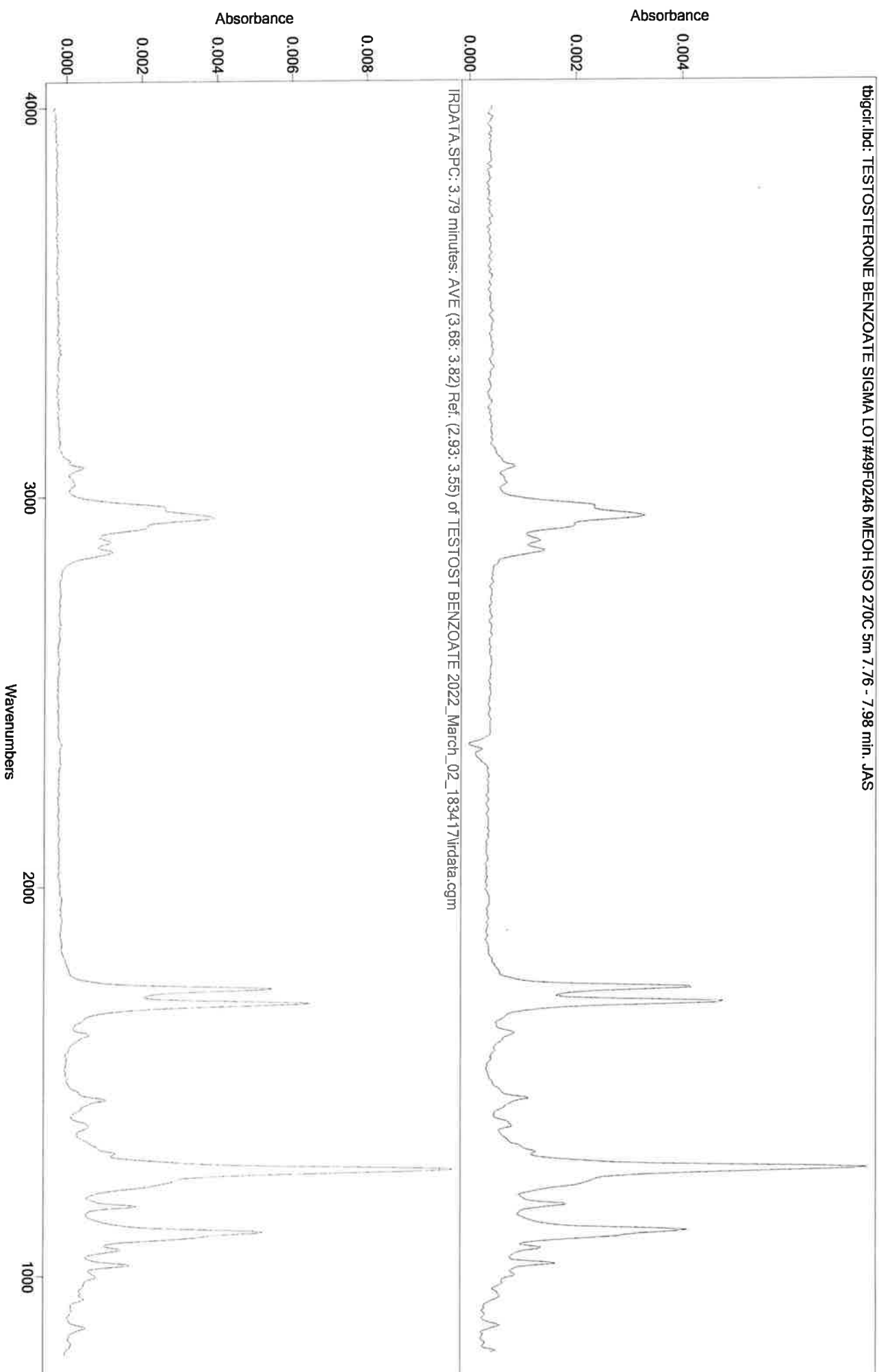
Data Filename	TESTOST BENZOATE 2022_March_02_183417
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	200TO270(20MIN)
GC Vial	6
Sample Name	TESTOSTERONE BENZOATE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Wed Mar 02 18:59:42 2022
Date Processed	Thu Mar 03 09:48:39 2022



IRDATA.SPC: 3.79 minutes: AVE (3.68: 3.82) Ref. (2.93: 3.55) of TESTOST BENZOATE
2022_March_02_183417.cgm

Testosterone Benzoate

114

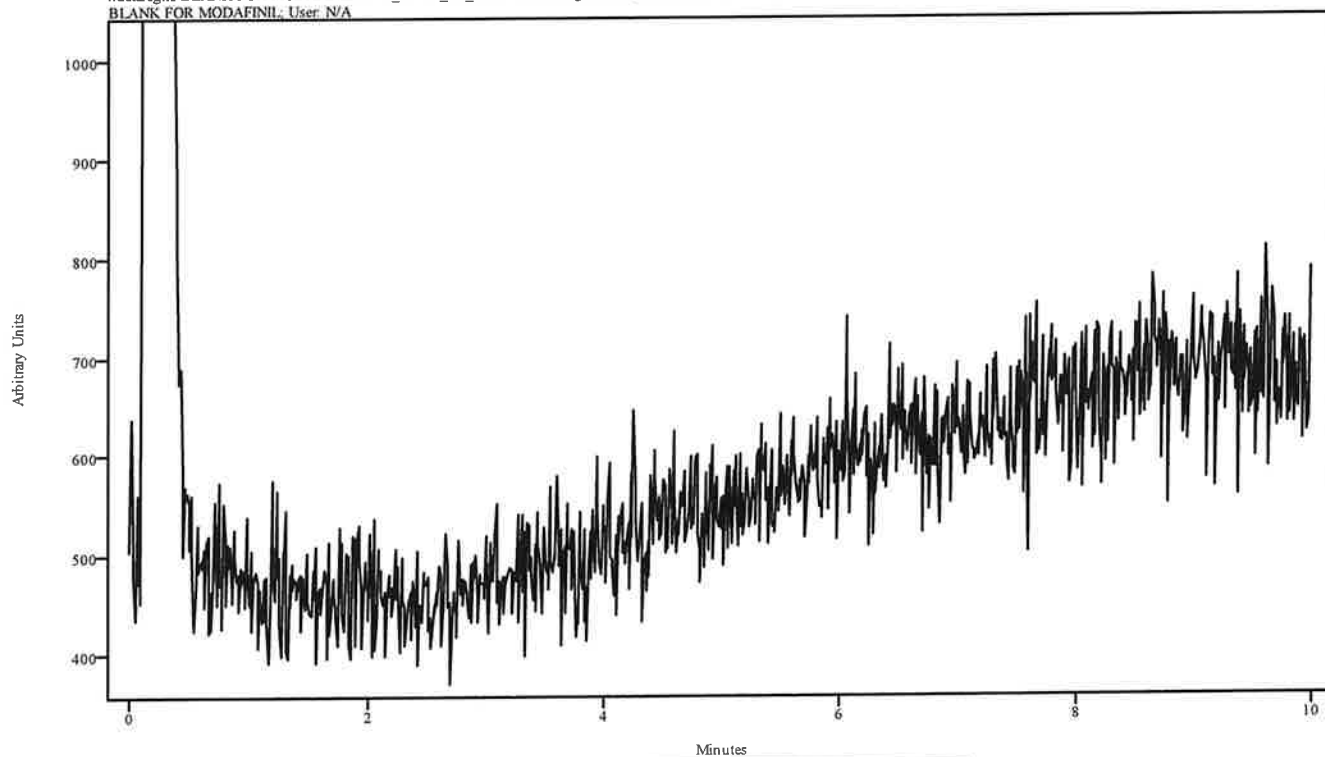


CH

IRD Data Analysis Report

Data Filename	BLANK FOR MODAFINIL 2022_March_02_185942
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	200TO270
GC Vial	1
Sample Name	BLANK FOR MODAFINIL
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Wed Mar 02 19:15:08 2022
Date Processed	Thu Mar 03 09:42:56 2022

irdata.cgm: BLANK FOR MODAFINIL 2022_March_02_185942\irdata.cgm : Misc. Info: MEOH:CURIE; Sample: BLANK FOR MODAFINIL; User: N/A



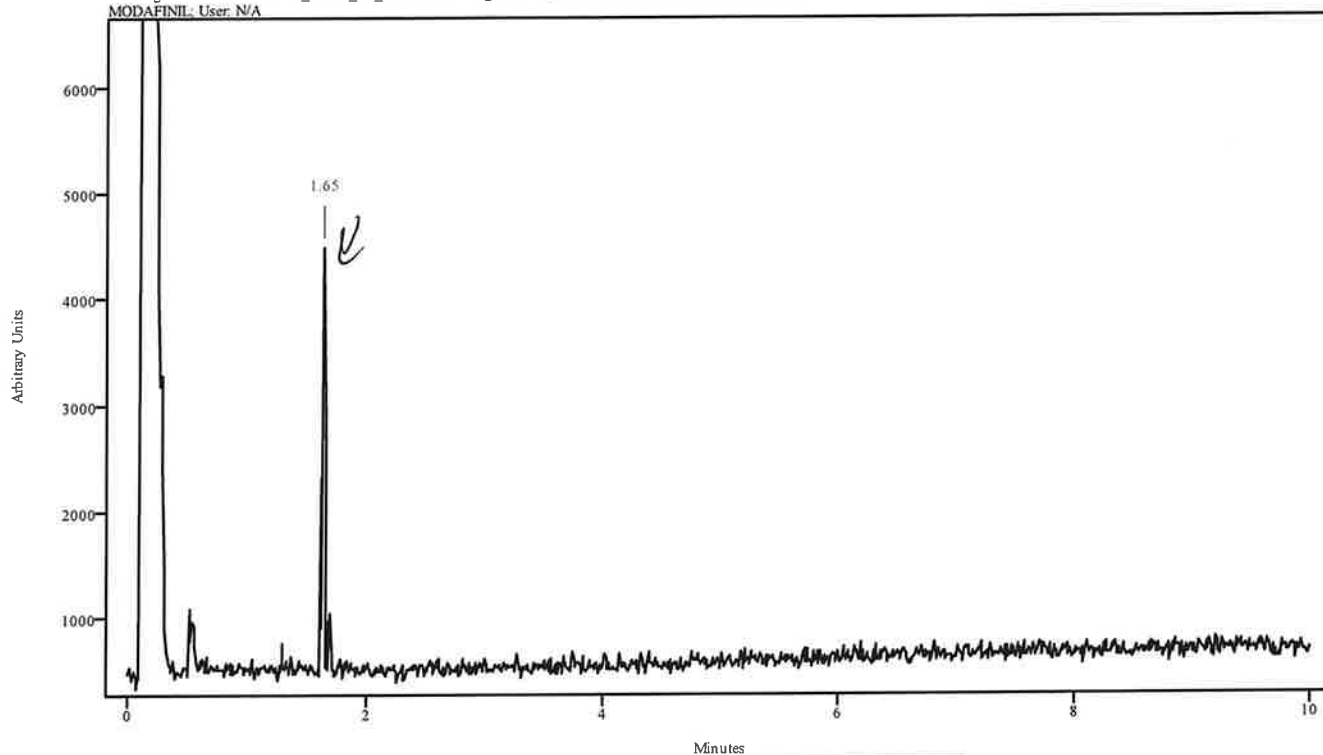
Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

MA

IRD Data Analysis Report

Data Filename	MODAFINIL 2022_March_02_191508
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	200TO270
GC Vial	7
Sample Name	MODAFINIL
Misc. Info	ACETONITRILE:CURIE
User ID	RH
Injection Time	Wed Mar 02 19:30:42 2022
Date Processed	Thu Mar 03 09:43:50 2022

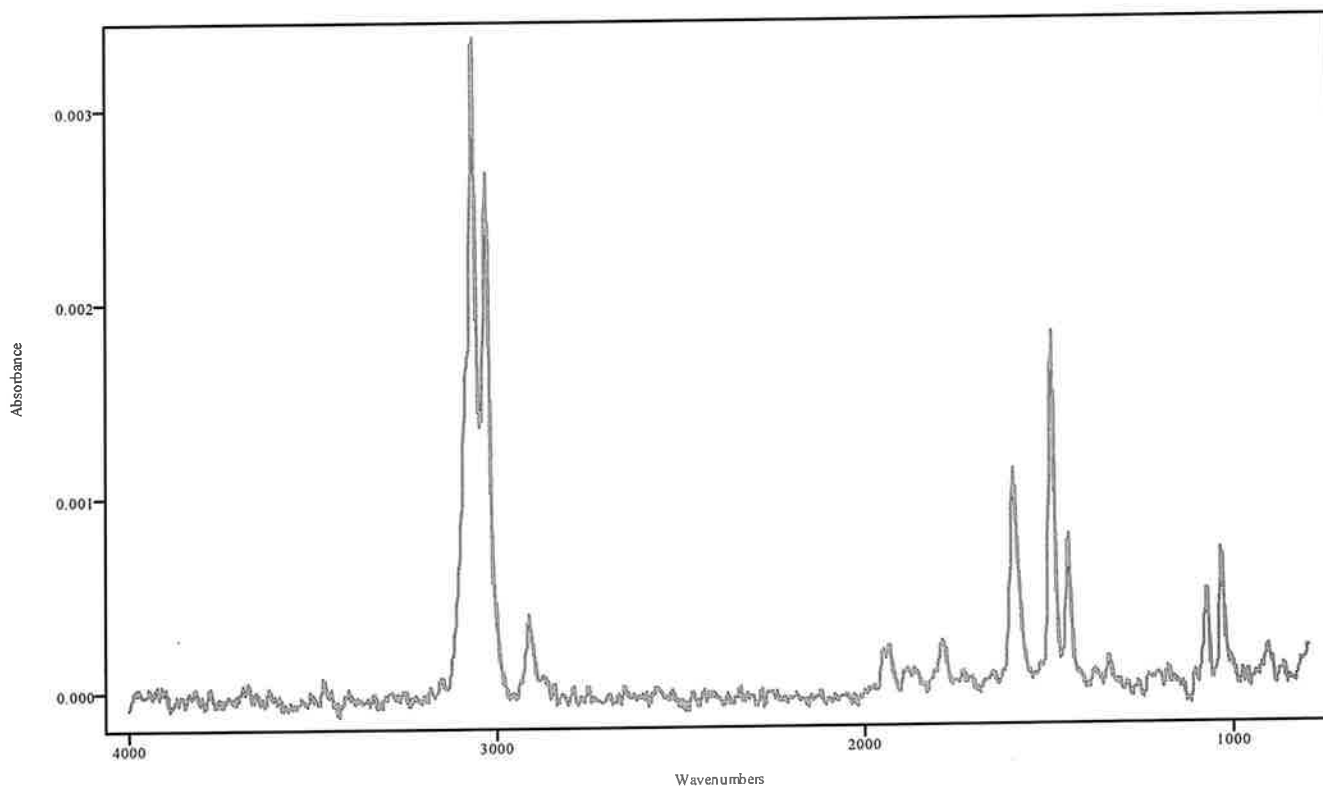
irdata.cgm: MODAFINIL 2022_March_02_191508\irdata.cgm : Misc, Info: ACETONITRILE:CURIE; Sample: MODAFINIL; User: N/A



Peak Start	Peak End	Peak Width	Reference Start	Reference End
1.626	1.667	0.044	1.291	1.601

NA

Data Filename	MODAFINIL 2022_March_02_191508
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	200TO270
GC Vial	7
Sample Name	MODAFINIL
Misc. Info	ACETONITRILE:CURIE
User ID	RH
Injection Time	Wed Mar 02 19:30:42 2022
Date Processed	Thu Mar 03 09:43:50 2022



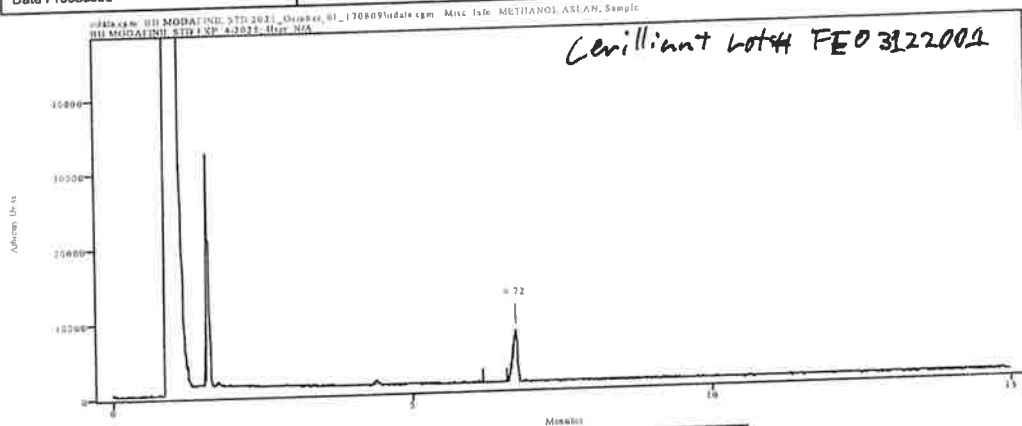
IRDATA.SPC: 1.65 minutes: AVE (1.62: 1.67) Ref. (1.29: 1.60) of MODAFINIL
2022_March_02_191508.cgm

Modafinil

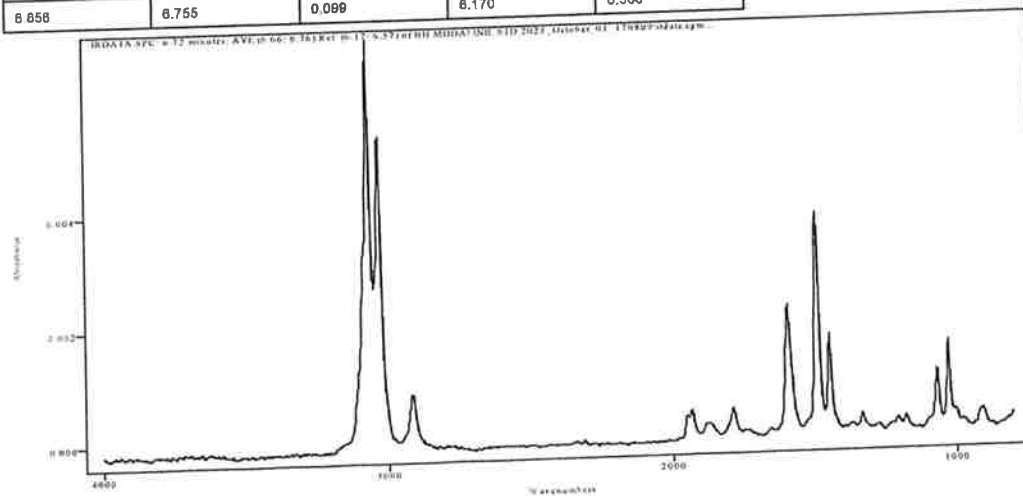
PH

IRD Data Analysis Report

Data Filename	BH MODAFINIL STD 2021_October_01_170809
Data Path	C:\ASAP DATA\Asian 2021\10-1-21
IRD Method	IRD3
GC Method	ISO270(15MIN)
GC Vial	73
Sample Name	BH MODAFINIL STD EXP. 4-2025
Misc Info	METHANOL:ASIAN
User ID	N/A
Injection Time	Fri Oct 01 17:25:38 2021
Date Processed	Mon Oct 04 09:03:50 2021



Peak Start	Peak End	Peak Width	Reference Start	Reference End
1.556	1.612	0.055	1.269	1.534
6.656	6.755	0.099	6.170	6.588

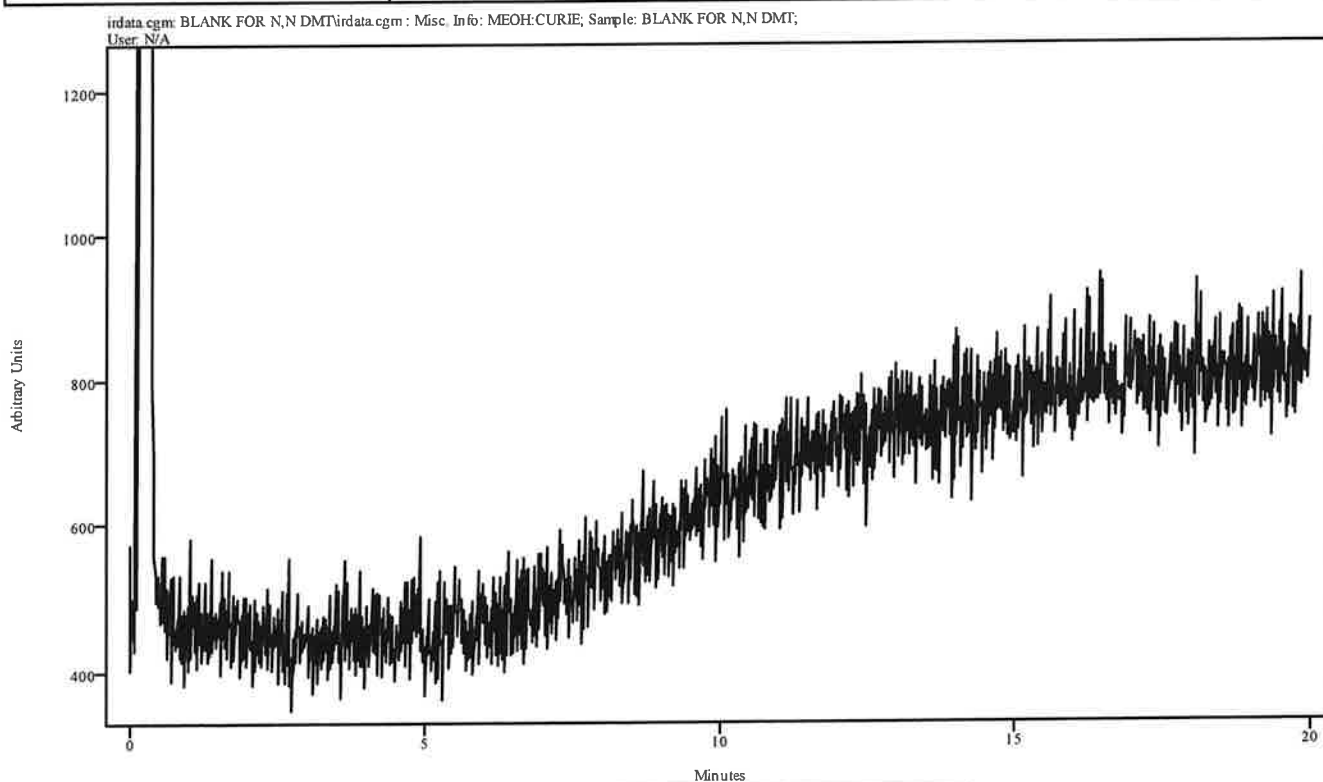


IRDATA.SPC: 6.72 minutes: AVE (6.66: 6.76) Ref. (6.17: 6.57) of BH MODAFINIL STD 2021_October_01_170809.cgm

MA

IRD Data Analysis Report

Data Filename	BLANK FOR N,N DMT
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS/BLANK FOR N,N DMT
IRD Method	IRD3
GC Method	90TO270@35C(20MIN)
GC Vial	1
Sample Name	BLANK FOR N,N DMT
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Wed Mar 02 19:57:17 2022
Date Processed	Thu Mar 03 09:44:22 2022



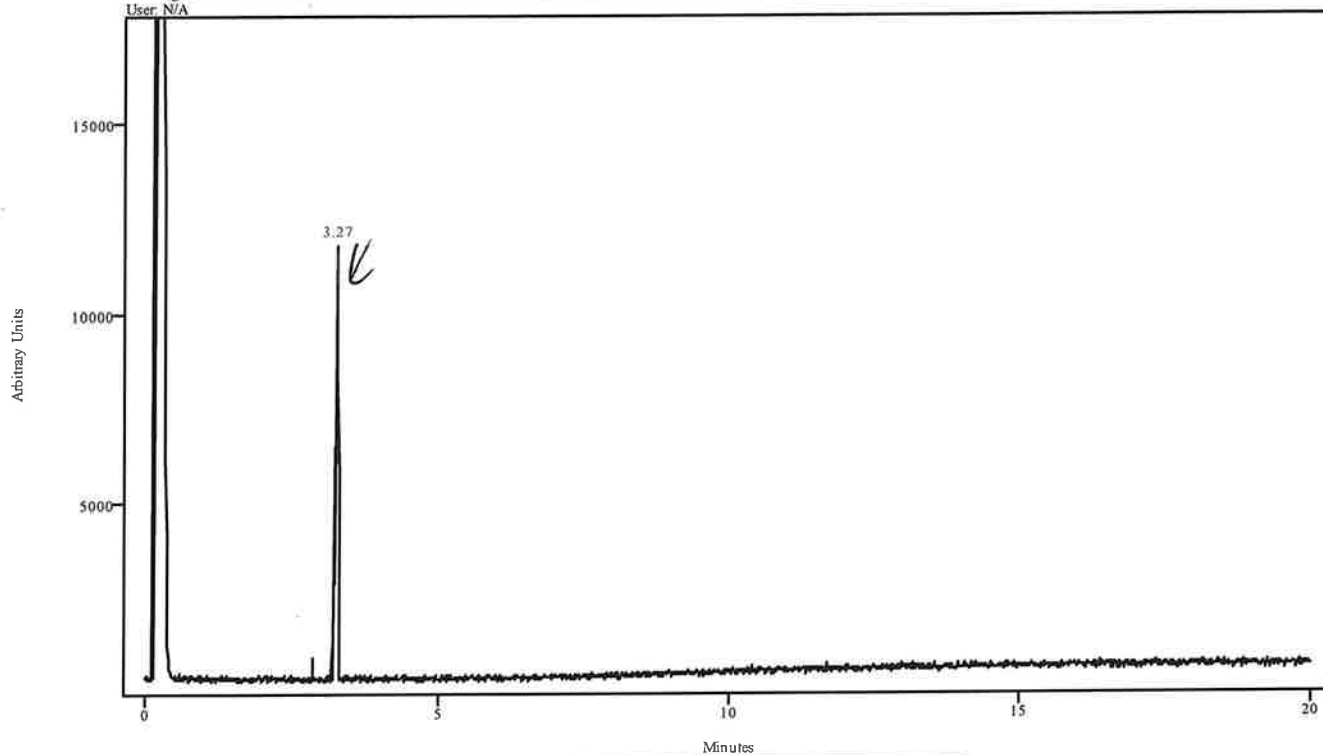
Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

IRD Data Analysis Report

MA

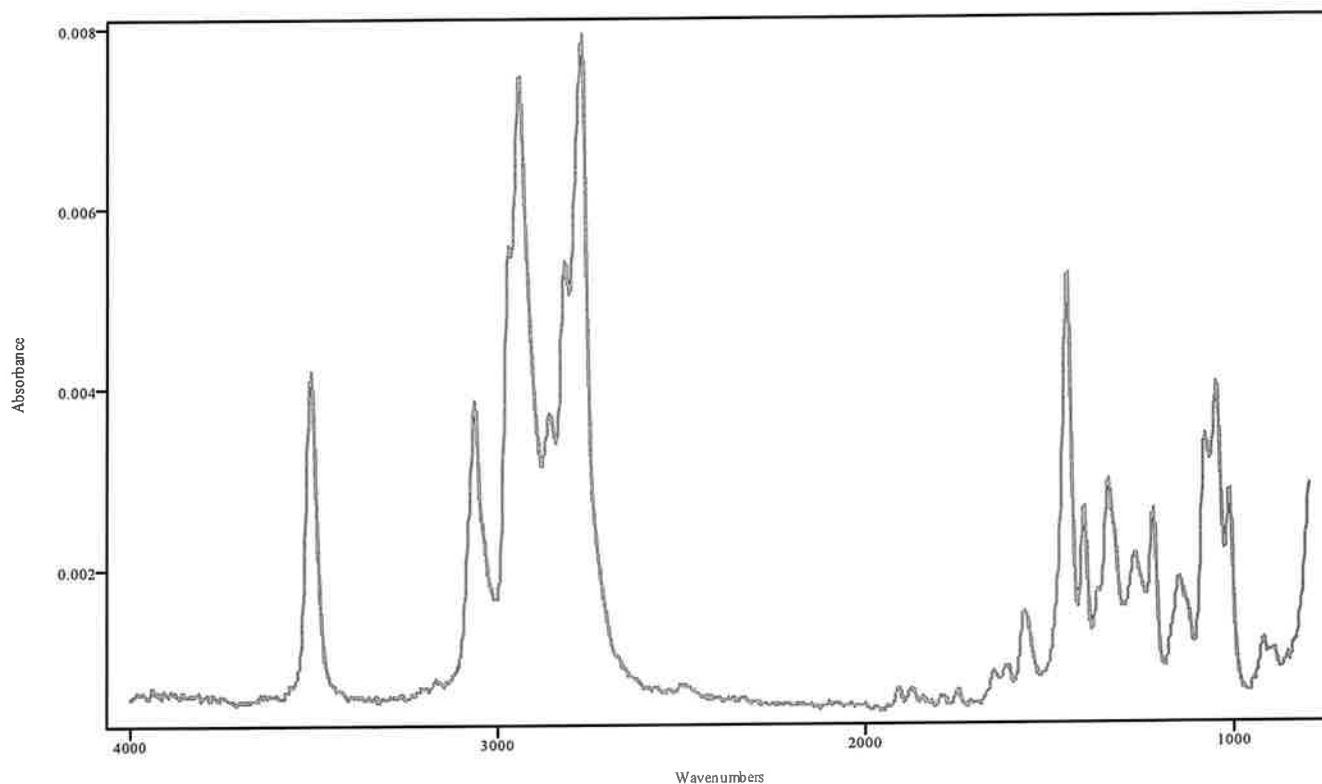
Data Filename	N,N DMT 2022_March_02_195717
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	90TO270@35C(20MIN)
GC Vial	8
Sample Name	N,N DMT
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Wed Mar 02 20:23:38 2022
Date Processed	Thu Mar 03 09:44:56 2022

irdata.cgm: N,N DMT 2022_March_02_195717\data.cgm : Misc. Info: MEOH:CURIE; Sample: N,N DMT;
User: N/A



Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.233	3.299	0.066	2.871	3.178

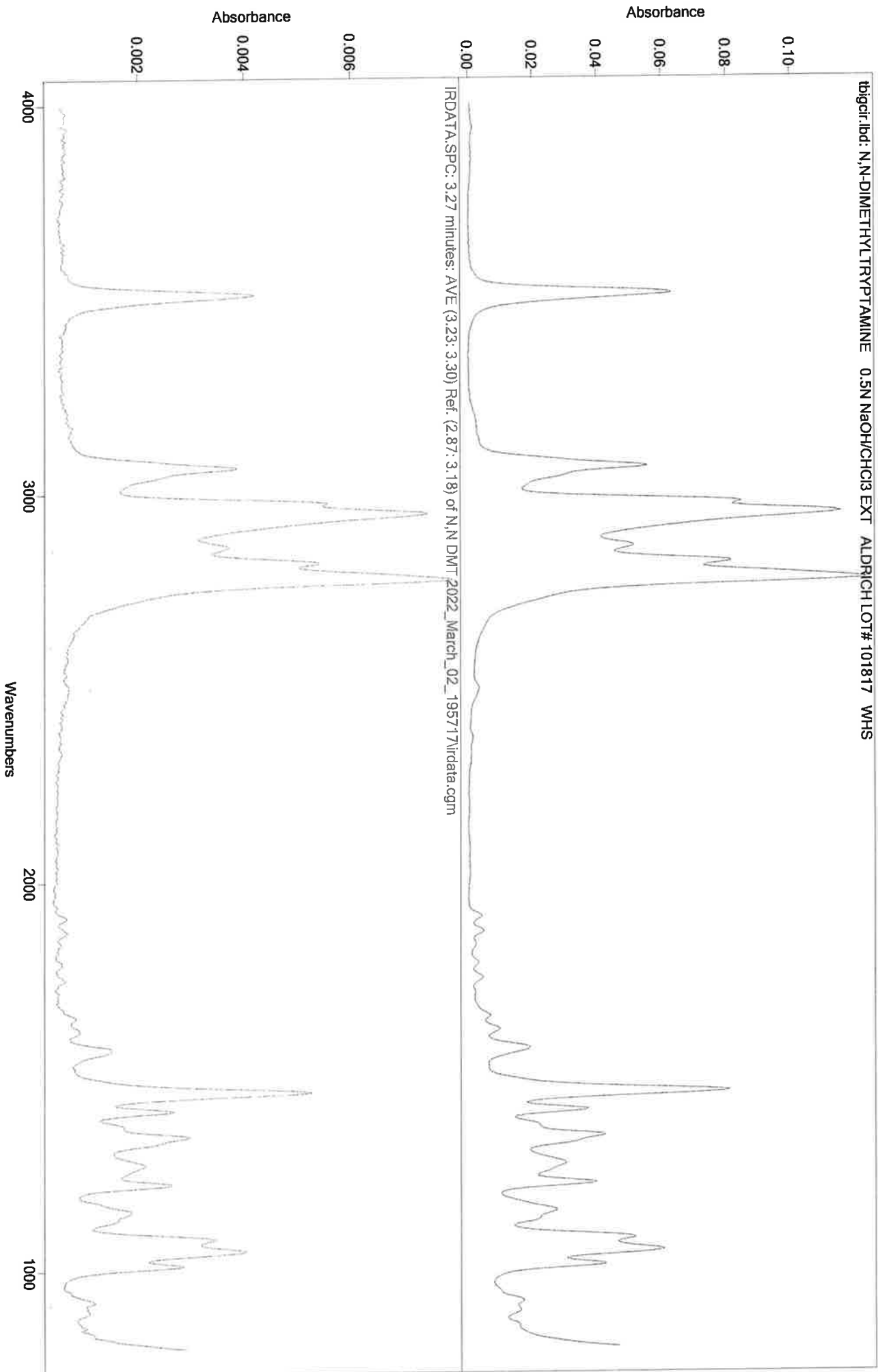
Data Filename	N,N DMT 2022_March_02_195717
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	90TO270@35C(20MIN)
GC Vial	8
Sample Name	N,N DMT
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Wed Mar 02 20:23:38 2022
Date Processed	Thu Mar 03 09:44:56 2022



IRDATA.SPC: 3.27 minutes: AVE (3.23: 3.30) Ref. (2.87: 3.18) of N,N DMT
 2022_March_02_195717.cgm

N,N DMT

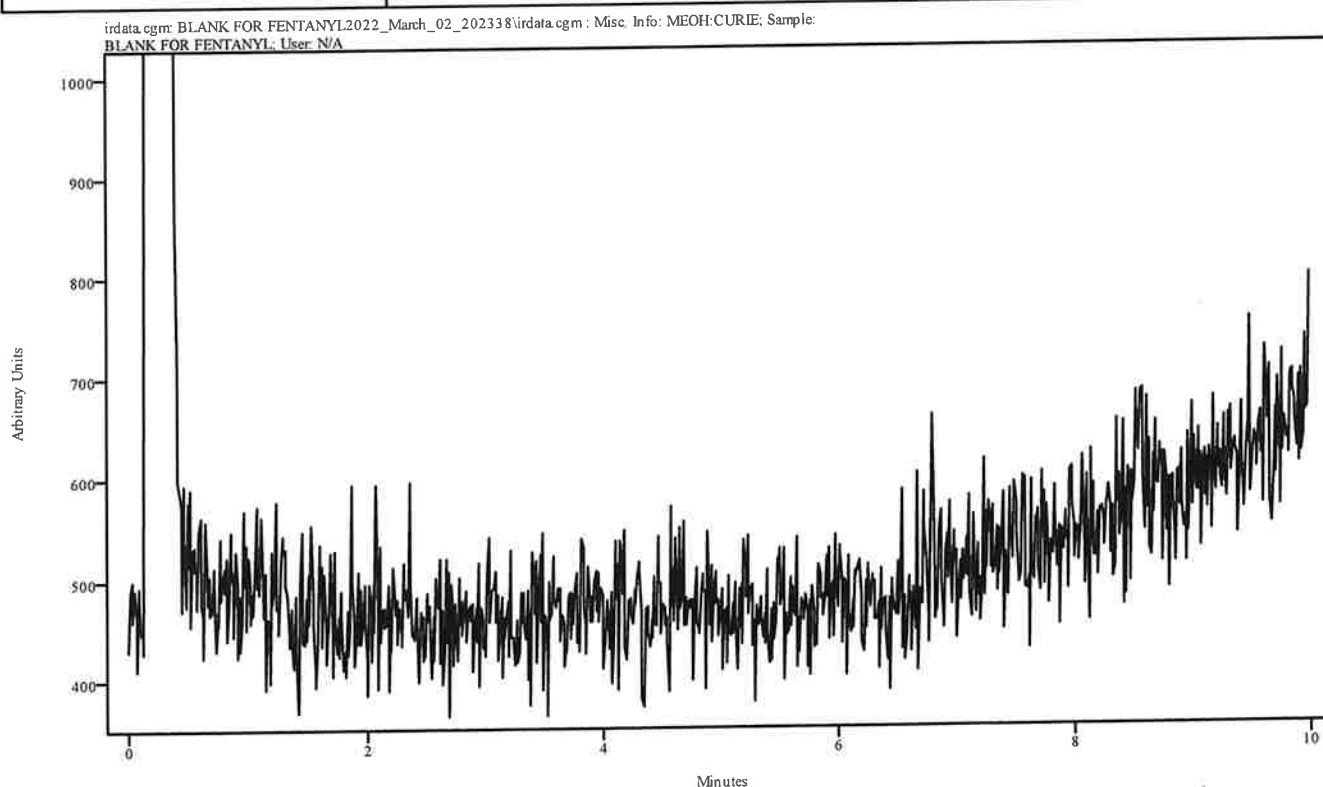
OK



IRD Data Analysis Report

MA

Data Filename	BLANK FOR FENTANYL2022_March_02_202338
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	90TO270@35C
GC Vial	2
Sample Name	BLANK FOR FENTANYL
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Wed Mar 02 20:40:04 2022
Date Processed	Thu Mar 03 09:32:16 2022

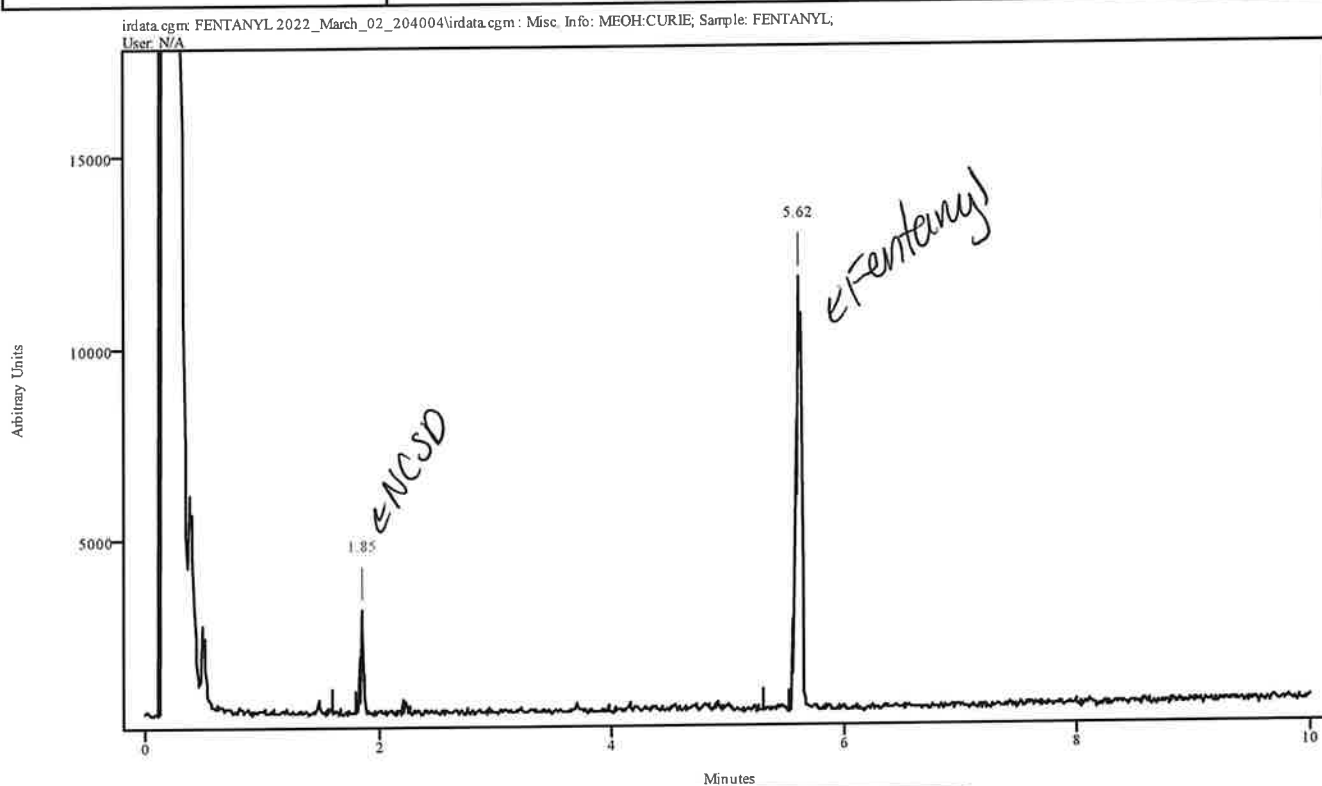


Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

WJH

IRD Data Analysis Report

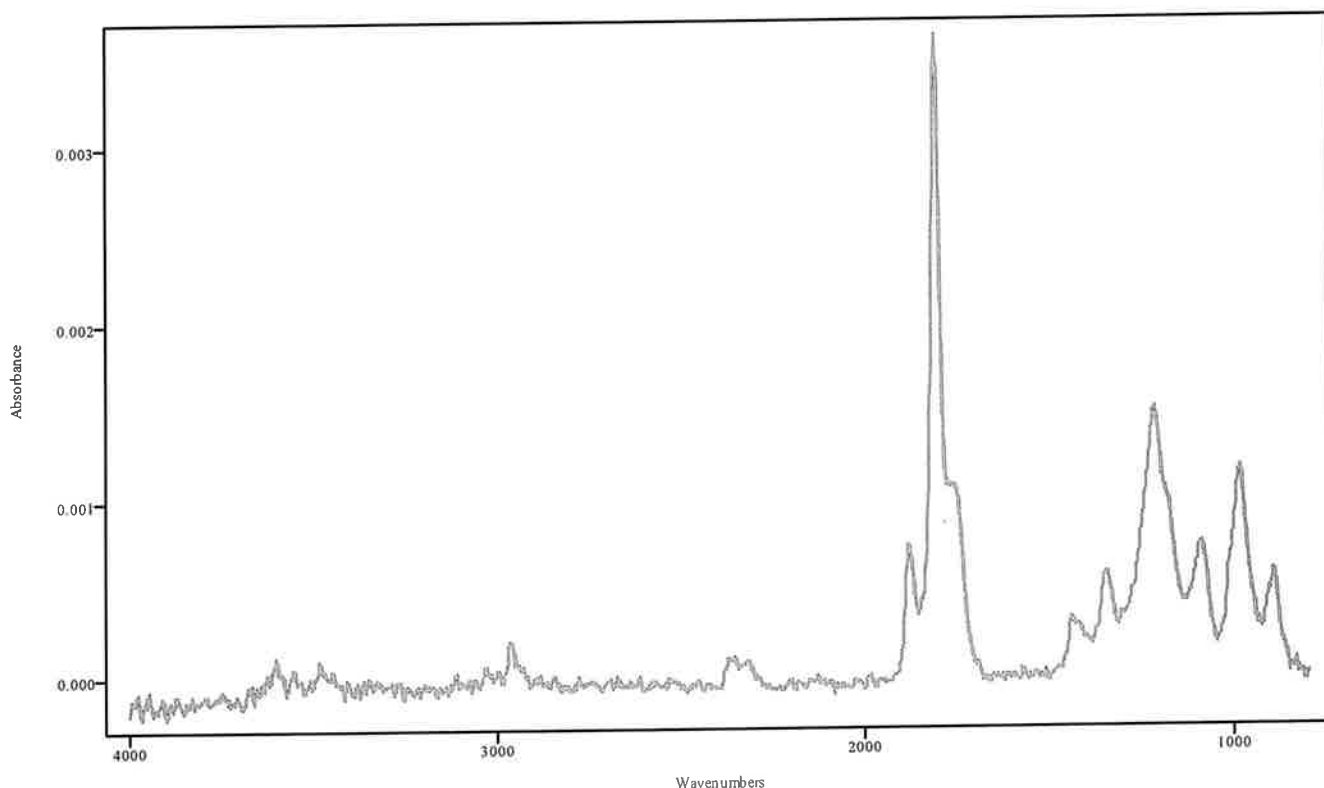
Data Filename	FENTANYL 2022_March_02_204004
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	90TO270@35C
GC Vial	9
Sample Name	FENTANYL
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Wed Mar 02 20:56:22 2022
Date Processed	Thu Mar 03 09:34:47 2022



Peak Start	Peak End	Peak Width	Reference Start	Reference End
1.830	1.874	0.044	1.589	1.808
5.589	5.644	0.055	5.304	5.523

411

Data Filename	FENTANYL 2022_March_02_204004
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	90TO270@35C
GC Vial	9
Sample Name	FENTANYL
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Wed Mar 02 20:56:22 2022
Date Processed	Thu Mar 03 09:34:47 2022

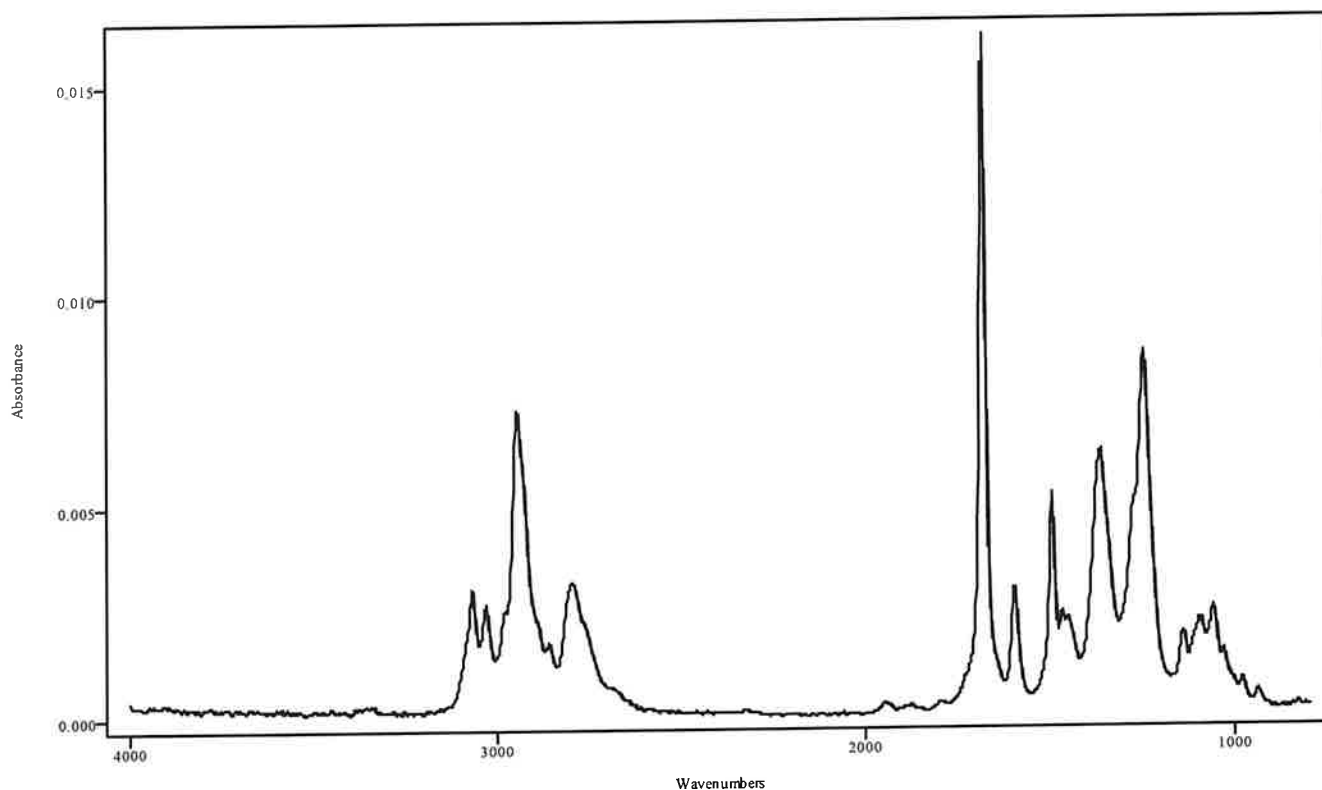


IRDATA.SPC: 1.85 minutes: AVE (1.83: 1.87) Ref. (1.59: 1.81) of FENTANYL
2022_March_02_204004.cgm

NCSO - May be septa bleed.

NA

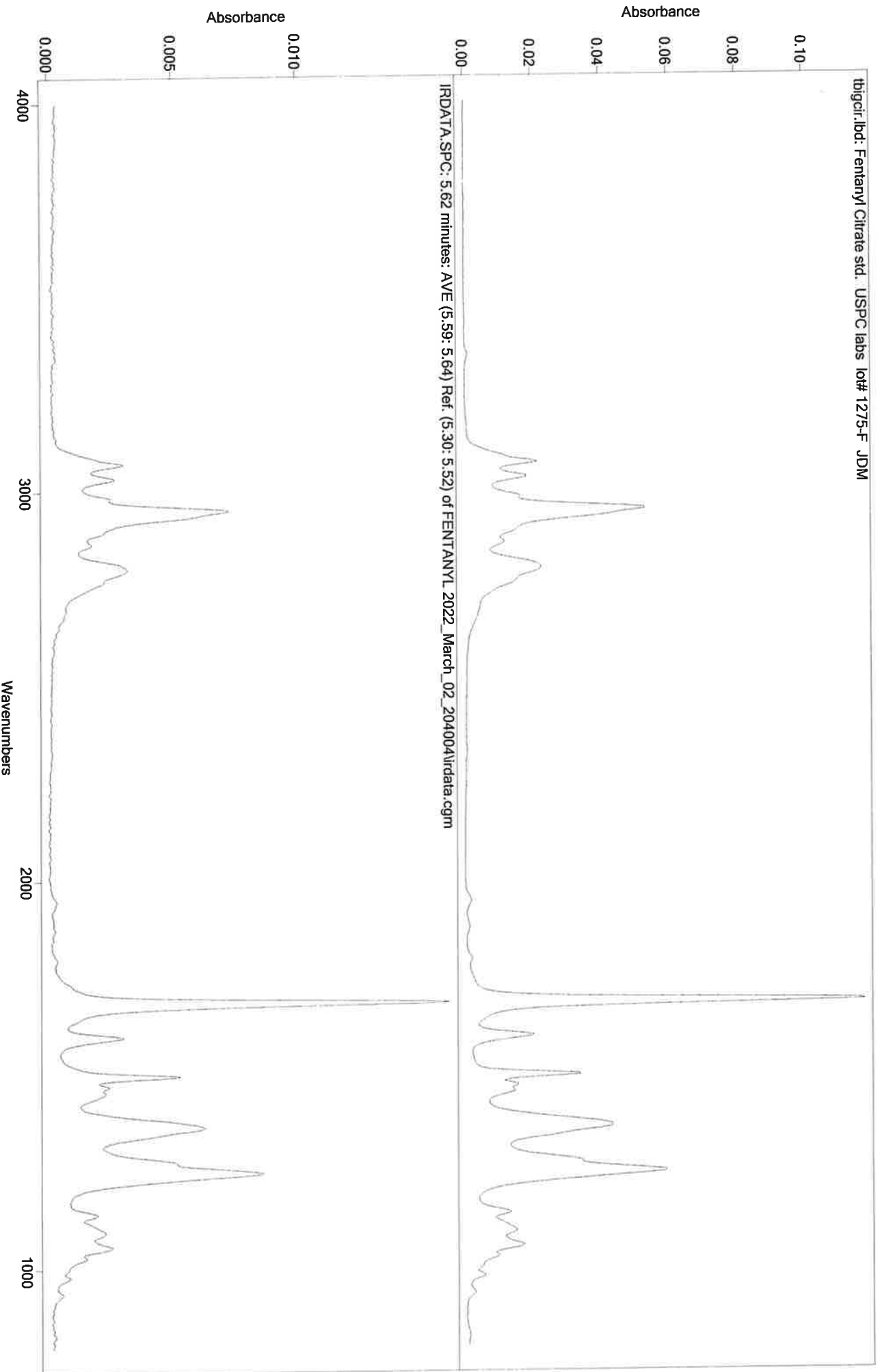
Data Filename	FENTANYL 2022_March_02_204004
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	90TO270@35C
GC Vial	9
Sample Name	FENTANYL
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Wed Mar 02 20:56:22 2022
Date Processed	Thu Mar 03 09:34:47 2022



IRDATA.SPC: 5.62 minutes: AVE (5.59: 5.64) Ref. (5.30: 5.52) of FENTANYL
2022_March_02_204004.cgm

Fentanyl

CH

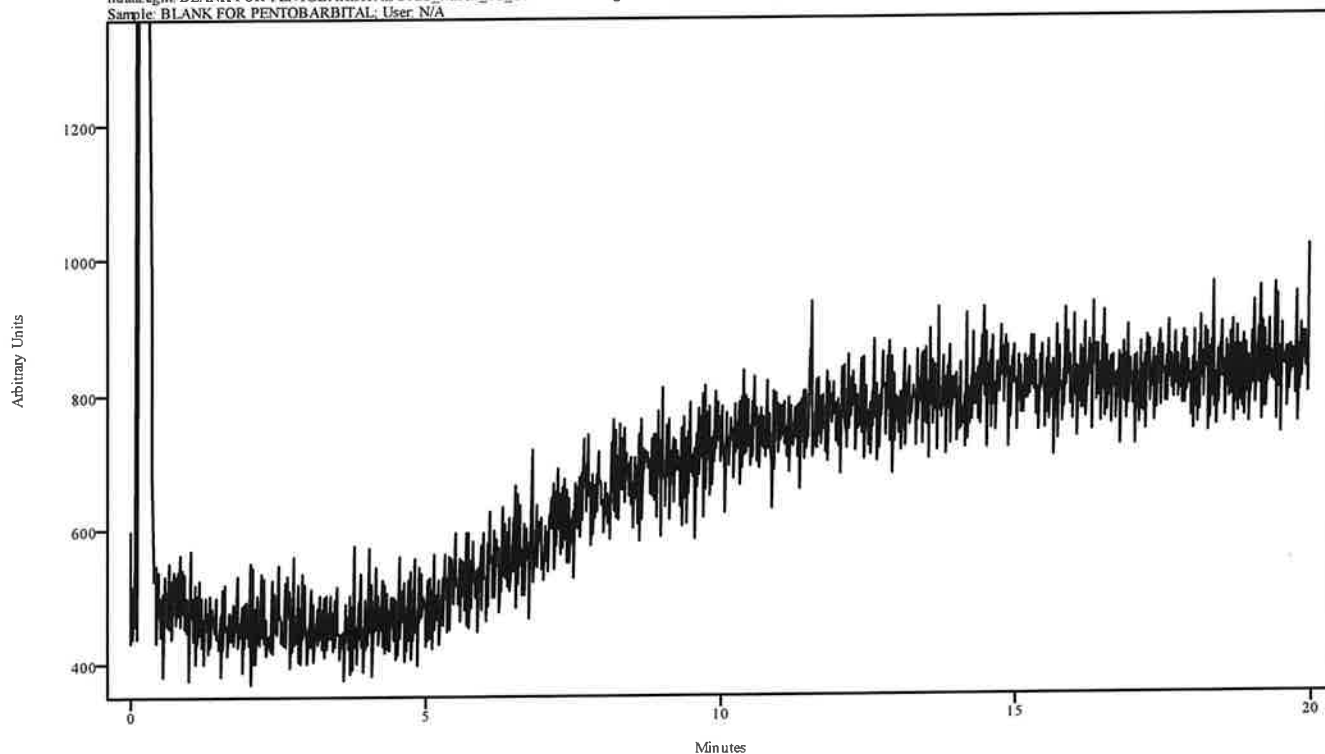


YH

IRD Data Analysis Report

Data Filename	BLANK FOR PENTOBARBITAL 2022_March_02_205622
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	90TO270(20MIN)
GC Vial	2
Sample Name	BLANK FOR PENTOBARBITAL
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Wed Mar 02 21:22:38 2022
Date Processed	Thu Mar 03 09:47:00 2022

irdata.cgm: BLANK FOR PENTOBARBITAL 2022_March_02_205622\irdata.cgm; Misc. Info: MEOH:CURIE;
Sample: BLANK FOR PENTOBARBITAL; User: N/A

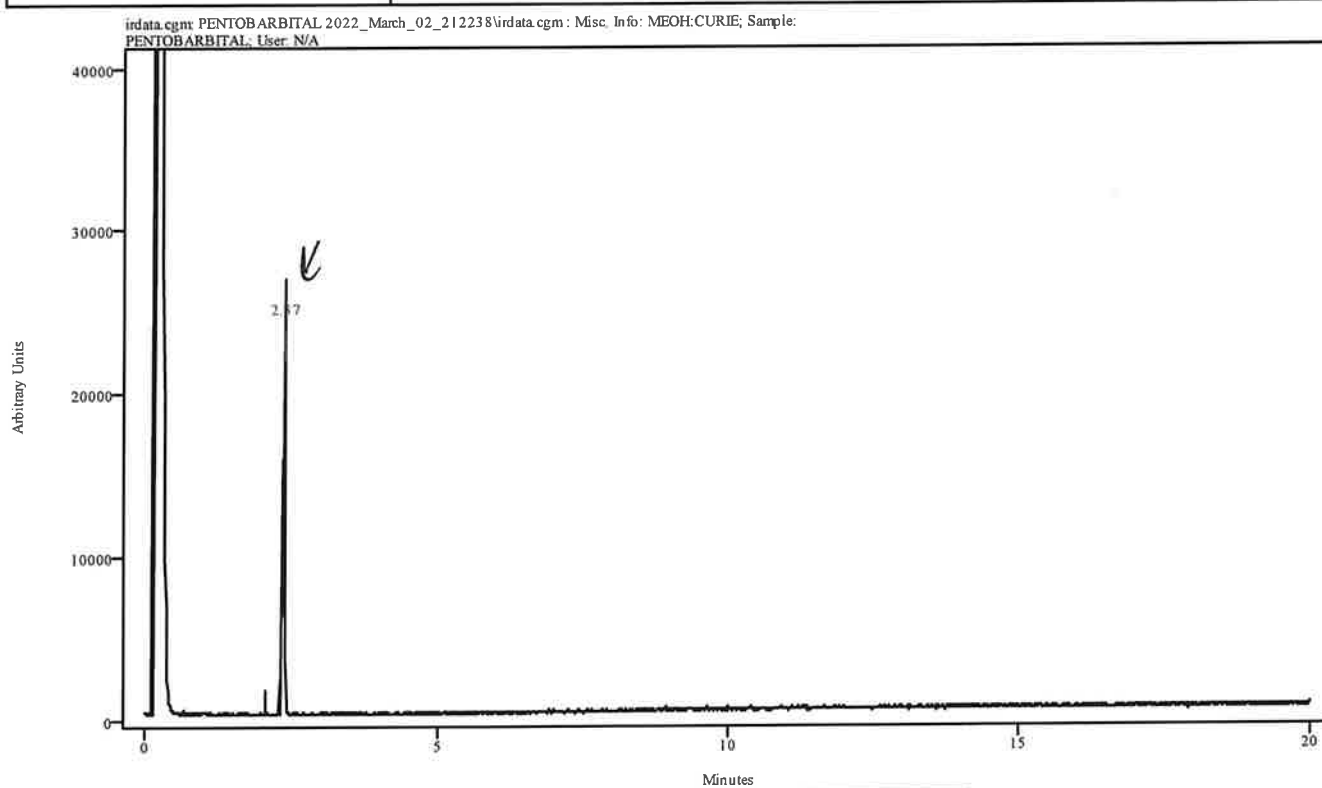


Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

IRD Data Analysis Report

RH

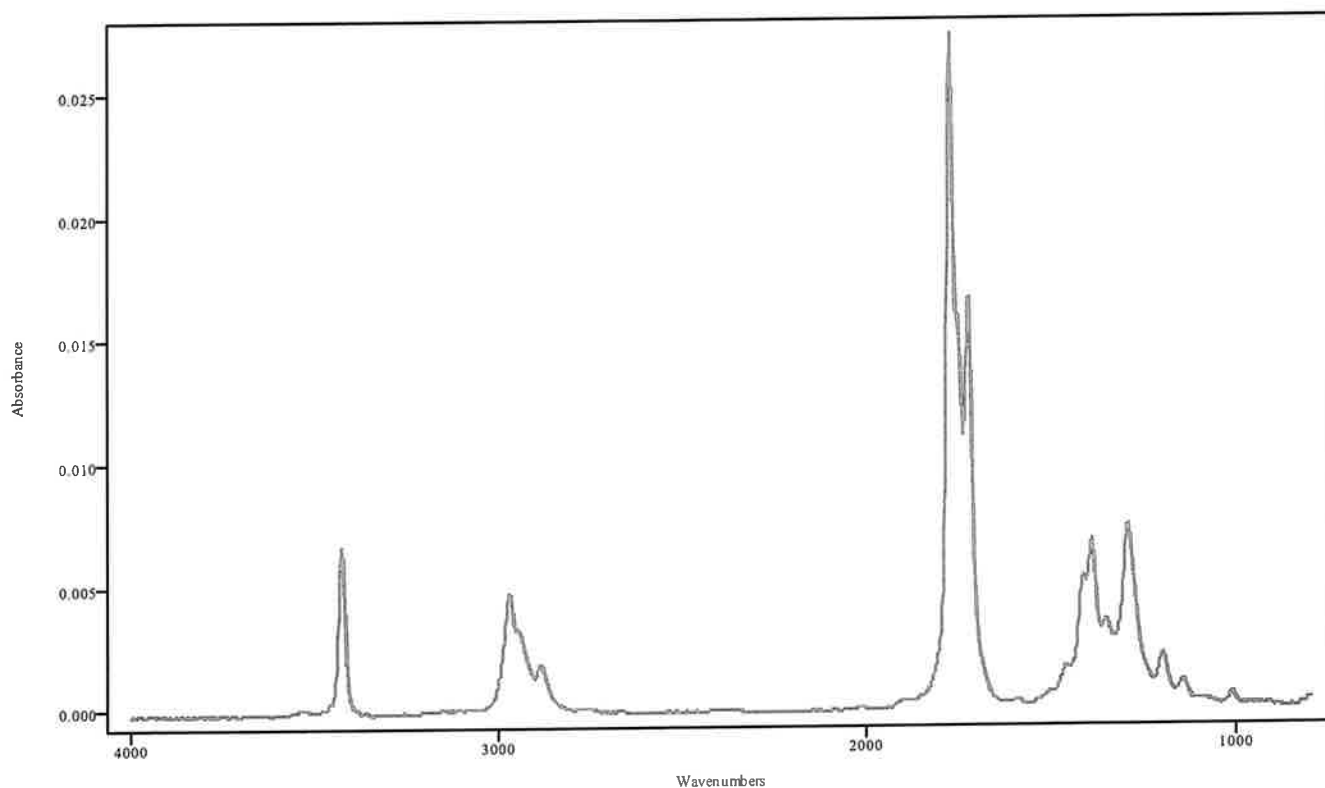
Data Filename	PENTOBARBITAL 2022_March_02_212238
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	90TO270(20MIN)
GC Vial	10
Sample Name	PENTOBARBITAL
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Wed Mar 02 21:48:59 2022
Date Processed	Thu Mar 03 09:47:31 2022



Peak Start	Peak End	Peak Width	Reference Start	Reference End
2.345	2.400	0.055	2.038	2.301

RH

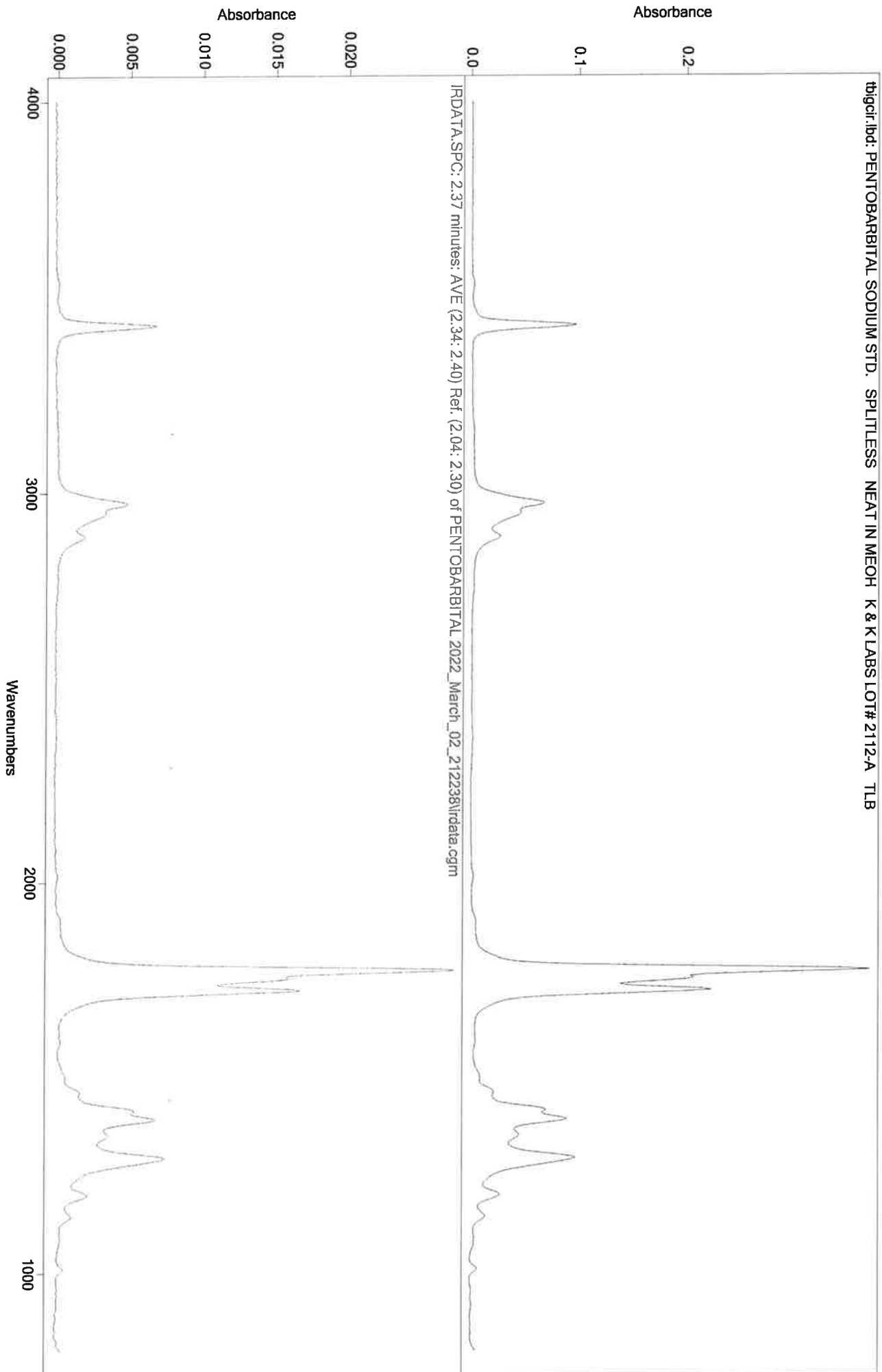
Data Filename	PENTOBARBITAL 2022_March_02_212238
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	90TO270(20MIN)
GC Vial	10
Sample Name	PENTOBARBITAL
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Wed Mar 02 21:48:59 2022
Date Processed	Thu Mar 03 09:47:31 2022



IRDATA.SPC: 2.37 minutes: AVE (2.34: 2.40) Ref. (2.04: 2.30) of PENTOBARBITAL
2022_March_02_212238.cgm

Pentobarbital

44

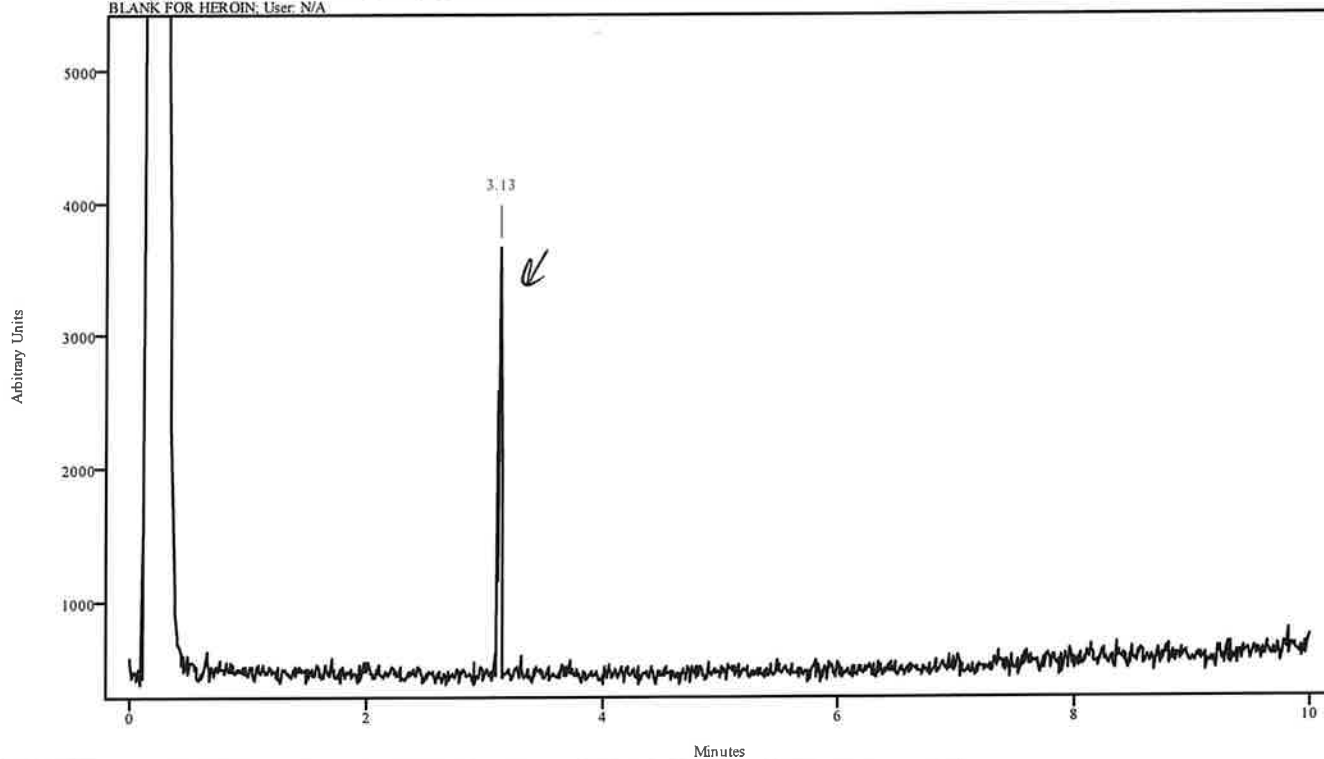


MT

IRD Data Analysis Report

Data Filename	BLANK FOR HEROIN 2022_March_02_214859
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	90TO270@35C
GC Vial	2
Sample Name	BLANK FOR HEROIN
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Wed Mar 02 22:05:21 2022
Date Processed	Thu Mar 03 09:38:44 2022

irdata.cgm: BLANK FOR HEROIN 2022_March_02_214859\irdata.cgm: Misc. Info: MEOH:CURIE; Sample: BLANK FOR HEROIN; User: N/A

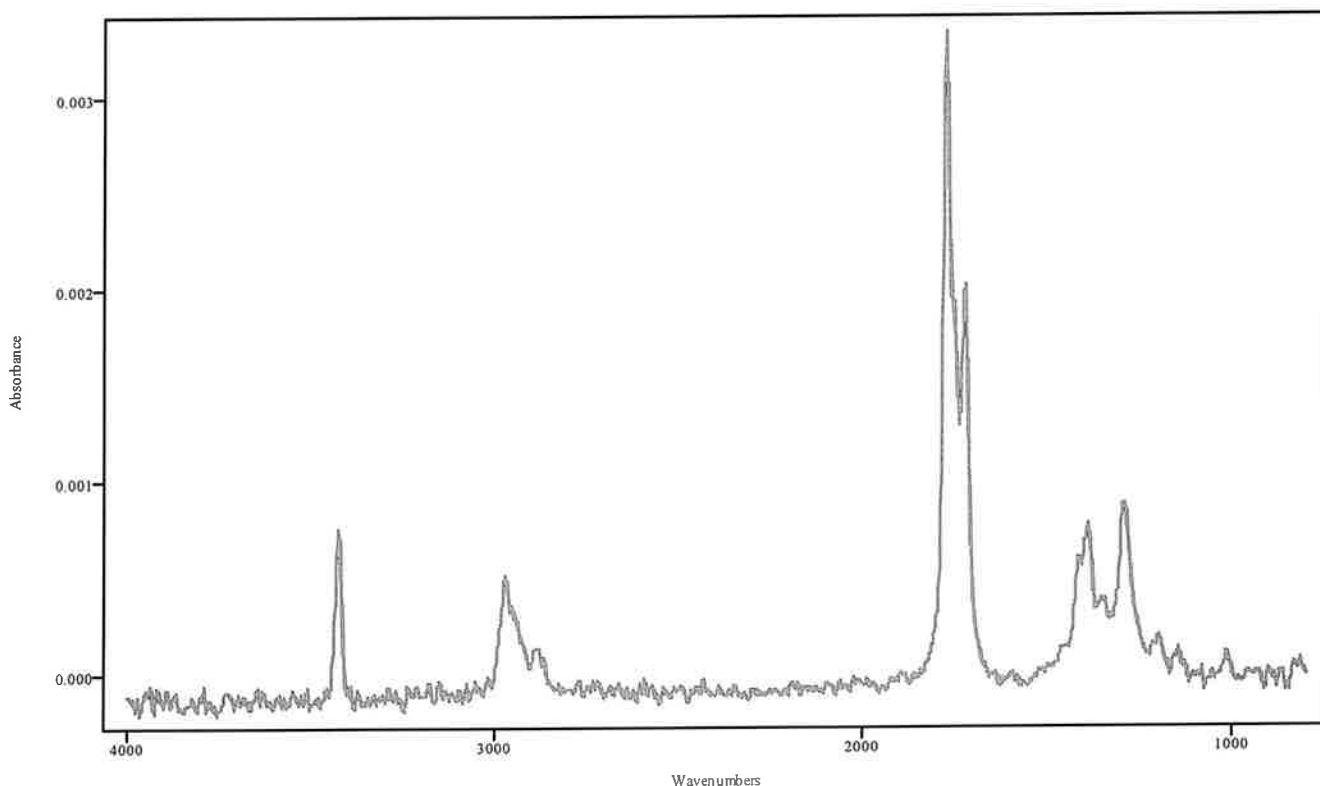


Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.112	3.145	0.033	2.915	3.090

~~NO~~ DNU - Carryover in blank.

MA

Data Filename	BLANK FOR HEROIN 2022_March_02_214859
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	90TO270@35C
GC Vial	2
Sample Name	BLANK FOR HEROIN
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Wed Mar 02 22:05:21 2022
Date Processed	Thu Mar 03 09:38:44 2022



IRDATA.SPC: 3.13 minutes: AVE (3.11: 3.15) Ref. (2.92: 3.09) of BLANK FOR HEROIN
2022_March_02_214859.cgm

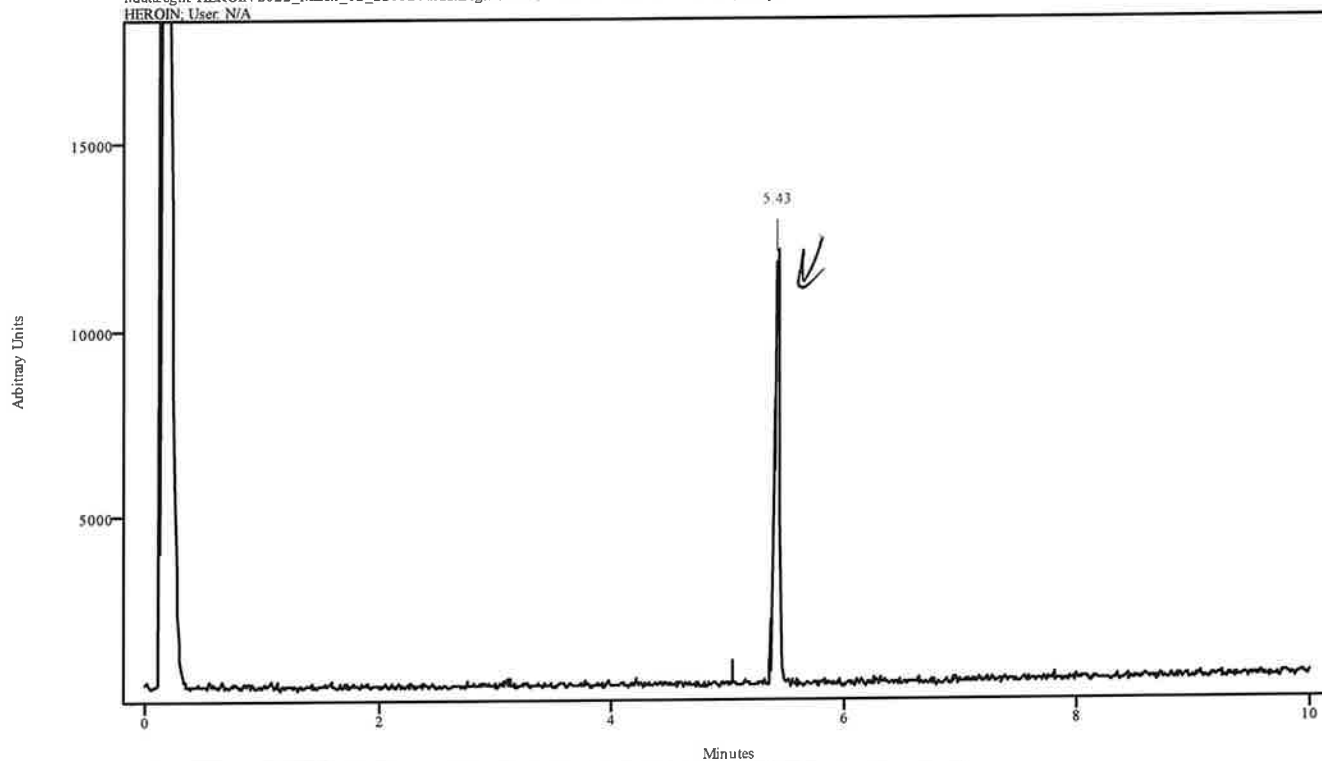
~~8~~ DNU - Carryover in blank.

IRD Data Analysis Report

NA

Data Filename	HEROIN 2022_March_02_220521
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	90TO270@35C
GC Vial	11
Sample Name	HEROIN
Misc. Info	ACETONITRILE:CURIE
User ID	RH
Injection Time	Wed Mar 02 22:21:38 2022
Date Processed	Thu Mar 03 09:39:30 2022

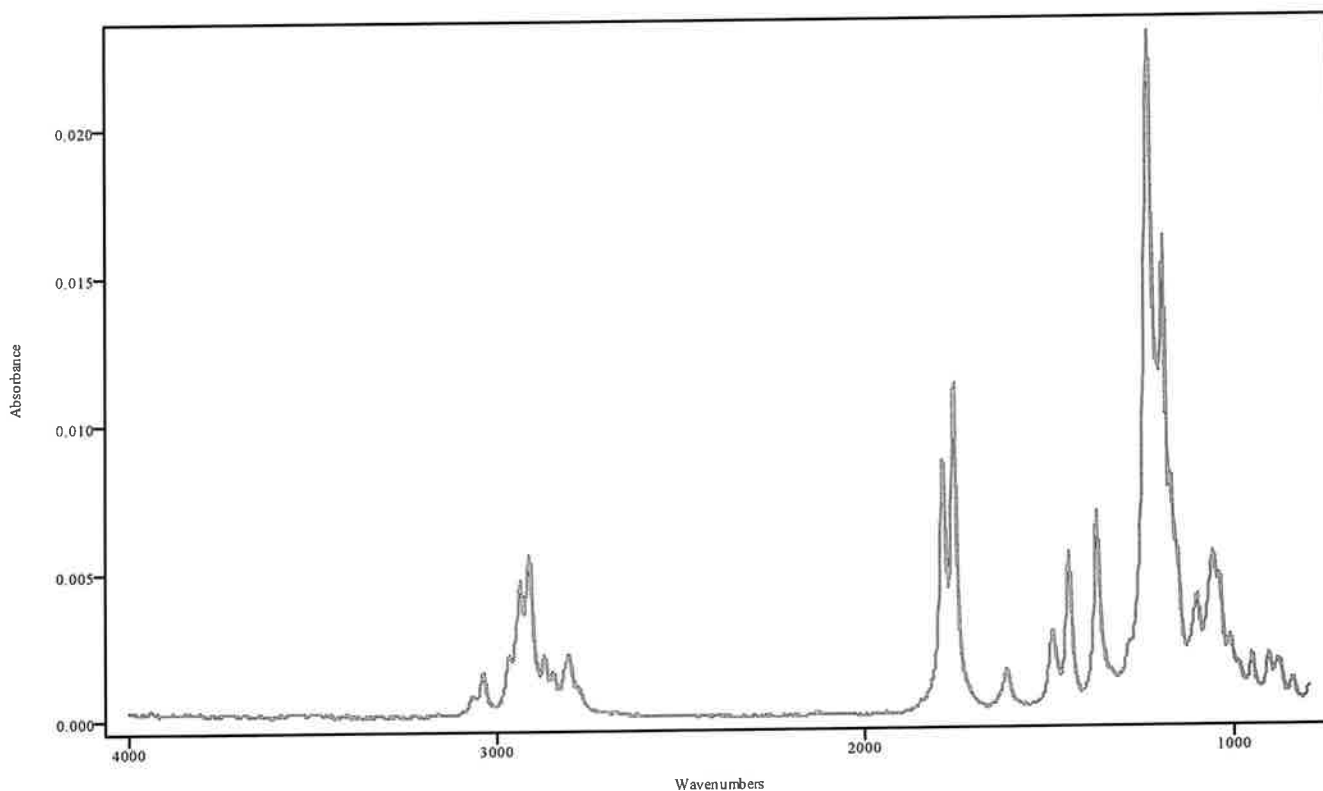
irdata.cgm: HEROIN 2022_March_02_220521\irdata.cgm : Misc. Info: ACETONITRILE:CURIE; Sample: HEROIN; User: N/A



Peak Start	Peak End	Peak Width	Reference Start	Reference End
5.391	5.457	0.066	5.040	5.347

74

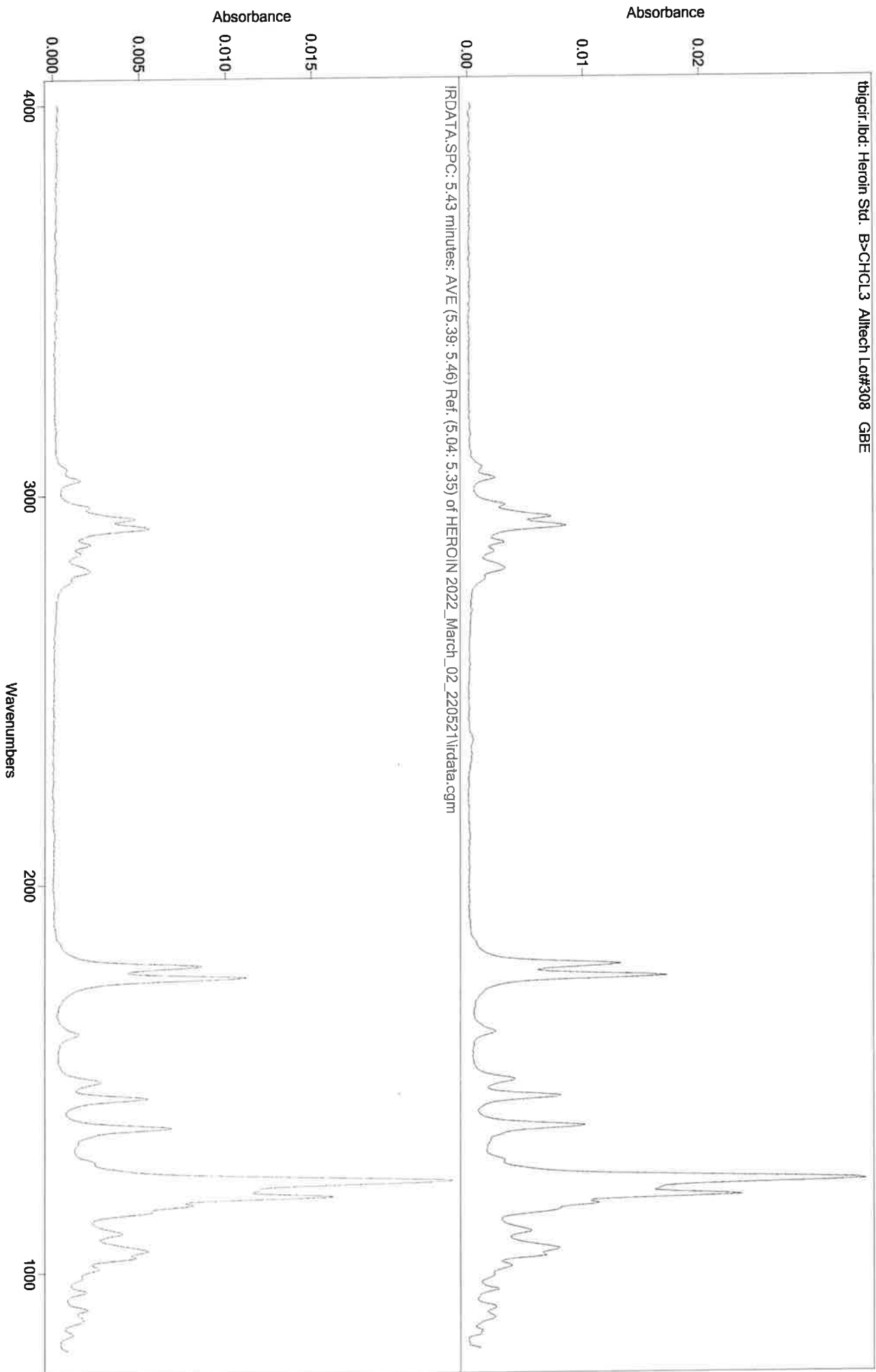
Data Filename	HEROIN 2022_March_02_220521
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	90TO270@35C
GC Vial	11
Sample Name	HEROIN
Misc. Info	ACETONITRILE:CURIE
User ID	RH
Injection Time	Wed Mar 02 22:21:38 2022
Date Processed	Thu Mar 03 09:39:30 2022



IRDATA.SPC: 5.43 minutes: AVE (5.39: 5.46) Ref. (5.04: 5.35) of HEROIN
2022_March_02_220521.cgm

Heroin

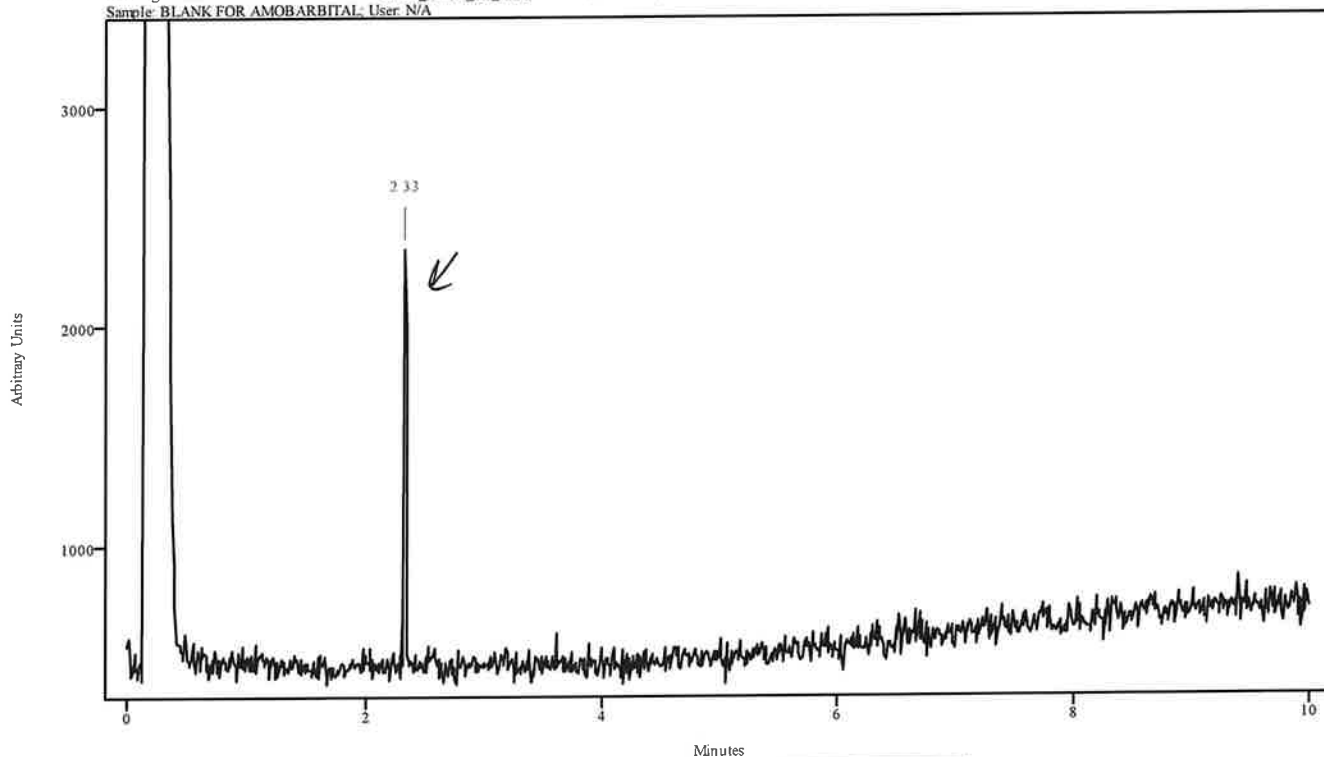
44



IRD Data Analysis Report

Data Filename	BLANK FOR AMOBARBITAL 2022_March_02_222138
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	90TO270
GC Vial	2
Sample Name	BLANK FOR AMOBARBITAL
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Wed Mar 02 22:38:10 2022
Date Processed	Thu Mar 03 09:26:09 2022

irdata.cgm: BLANK FOR AMOBARBITAL 2022_March_02_222138\irdata.cgm : Misc. Info: MEOH:CURIE;
 Sample: BLANK FOR AMOBARBITAL; User: N/A



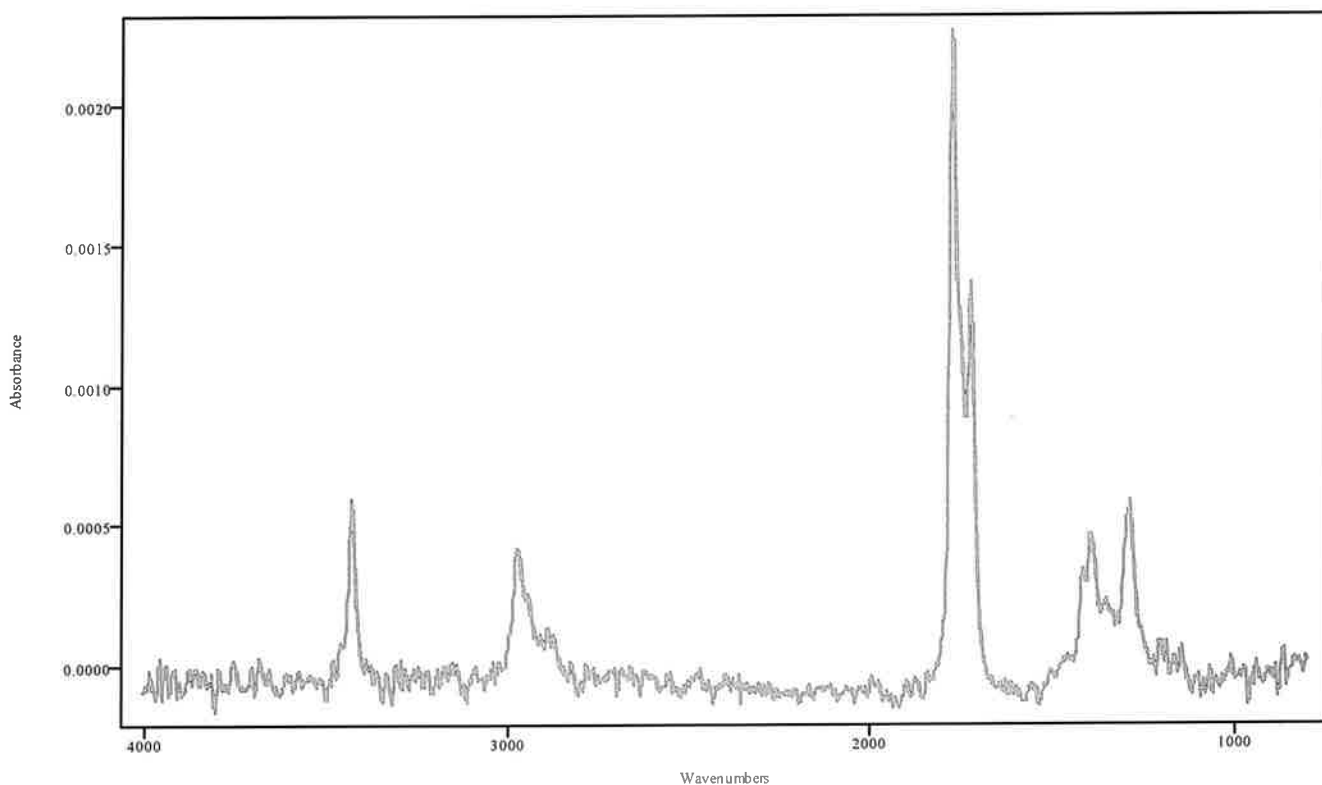
Peak Start	Peak End	Peak Width	Reference Start	Reference End
2.319	2.356	0.033	2.038	2.301

~~8~~ DNU - Carryover in blank

IRD Data Analysis Report

mt

Data Filename	BLANK FOR AMOBARBITAL 2022_March_02_222138
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	90TO270
GC Vial	2
Sample Name	BLANK FOR AMOBARBITAL
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Wed Mar 02 22:38:10 2022
Date Processed	Thu Mar 03 09:26:09 2022



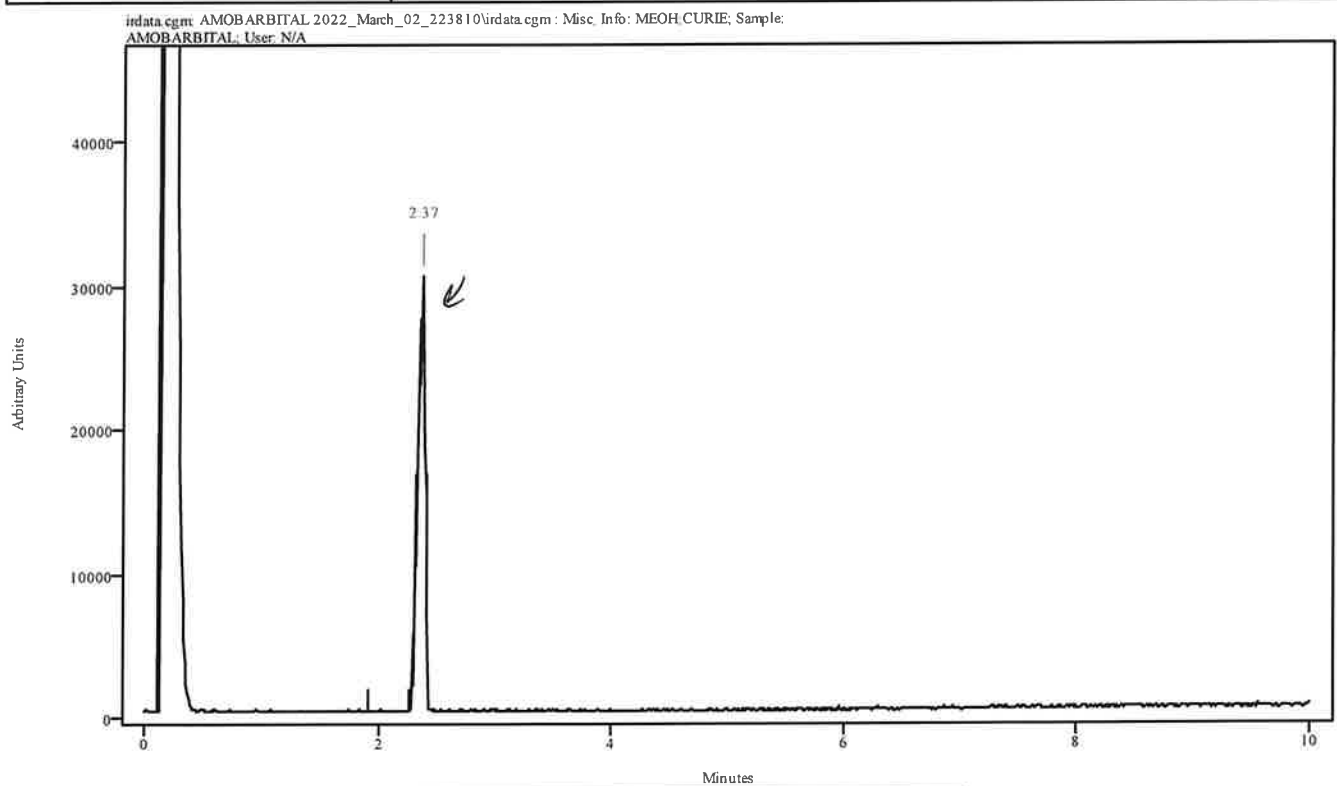
IRDATA.SPC: 2.33 minutes: AVE (2.32: 2.36) Ref. (2.04: 2.30) of BLANK FOR AMOBARBITAL 2022_March_02_222138.cgm

BDNU - Carryover in blank

PH

IRD Data Analysis Report

Data Filename	AMOBARBITAL 2022_March_02_223810
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	90TO270
GC Vial	12
Sample Name	AMOBARBITAL
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Wed Mar 02 22:54:53 2022
Date Processed	Thu Mar 03 09:23:24 2022

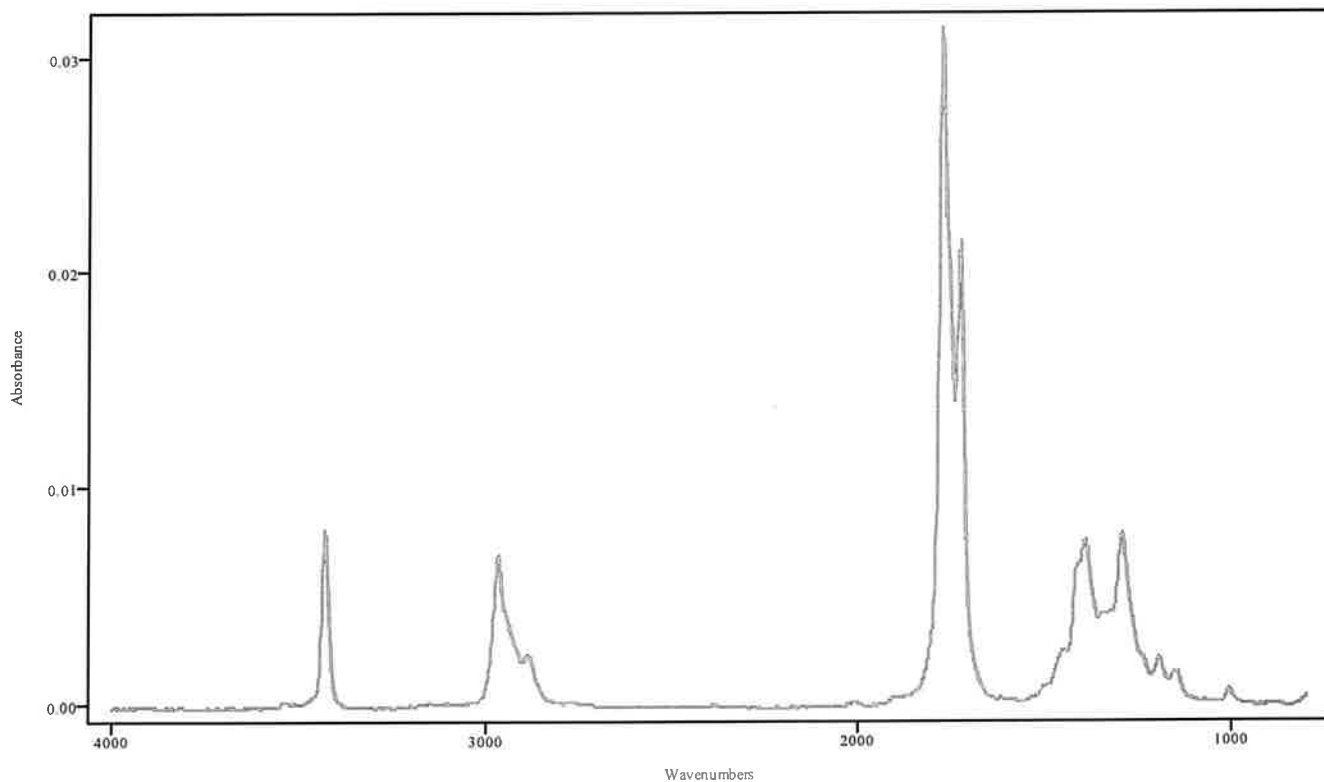


Peak Start	Peak End	Peak Width	Reference Start	Reference End
2.323	2.400	0.077	1.918	2.268

~~DNV~~ - Carryover in blank. Rerun.

11

Data Filename	AMOBARBITAL 2022_March_02_223810
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	90TO270
GC Vial	12
Sample Name	AMOBARBITAL
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Wed Mar 02 22:54:53 2022
Date Processed	Thu Mar 03 09:23:24 2022

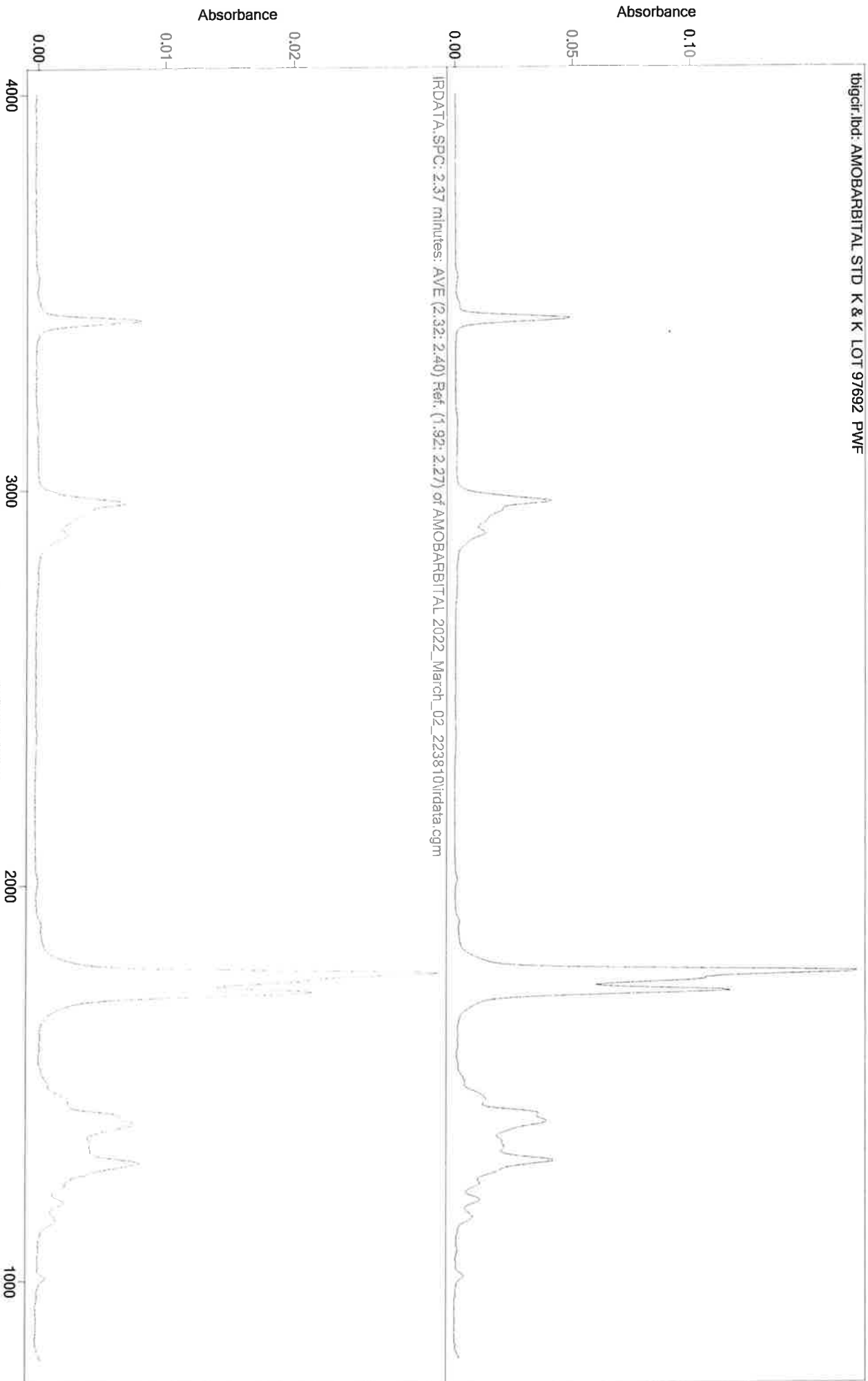


IRDATA.SPC: 2.37 minutes: AVE (2.32: 2.40) Ref. (1.92: 2.27) of AMOBARBITAL
2022_March_02_223810.cgm

~~A~~ DNU - Carryover in blank. Rerun.

SH

tbjgcr.lbd: AMOBARBITAL STD K & K LOT 97692 PWF



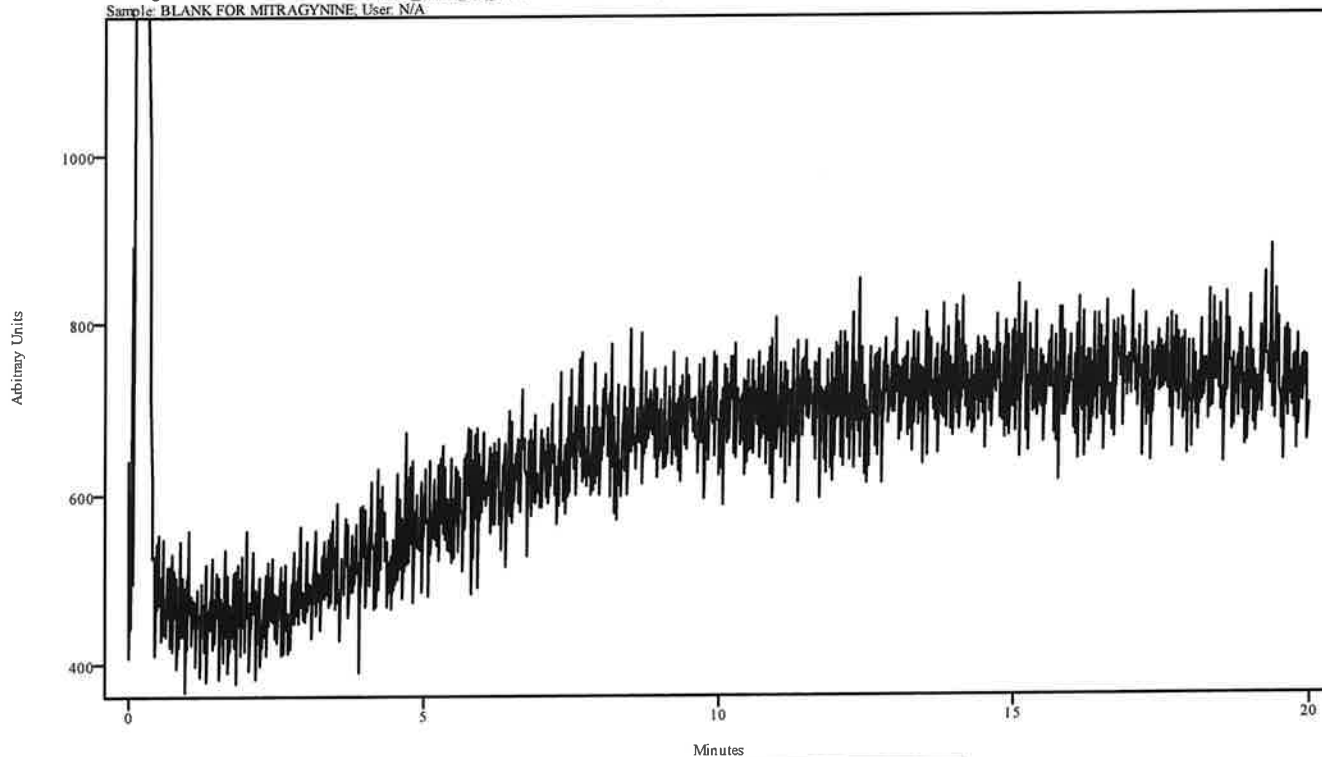
DVU - Copyover in blank. Run.

IRD Data Analysis Report

UH

Data Filename	BLANK FOR MITRAGYNINE 2022_March_02_225453
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	200TO270(20MIN)
GC Vial	2
Sample Name	BLANK FOR MITRAGYNINE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Wed Mar 02 23:20:34 2022
Date Processed	Thu Mar 03 09:41:39 2022

irdata.cgm: BLANK FOR MITRAGYNINE 2022_March_02_225453\irdata.cgm : Misc. Info: MEOH:CURIE;
Sample: BLANK FOR MITRAGYNINE, User: N/A



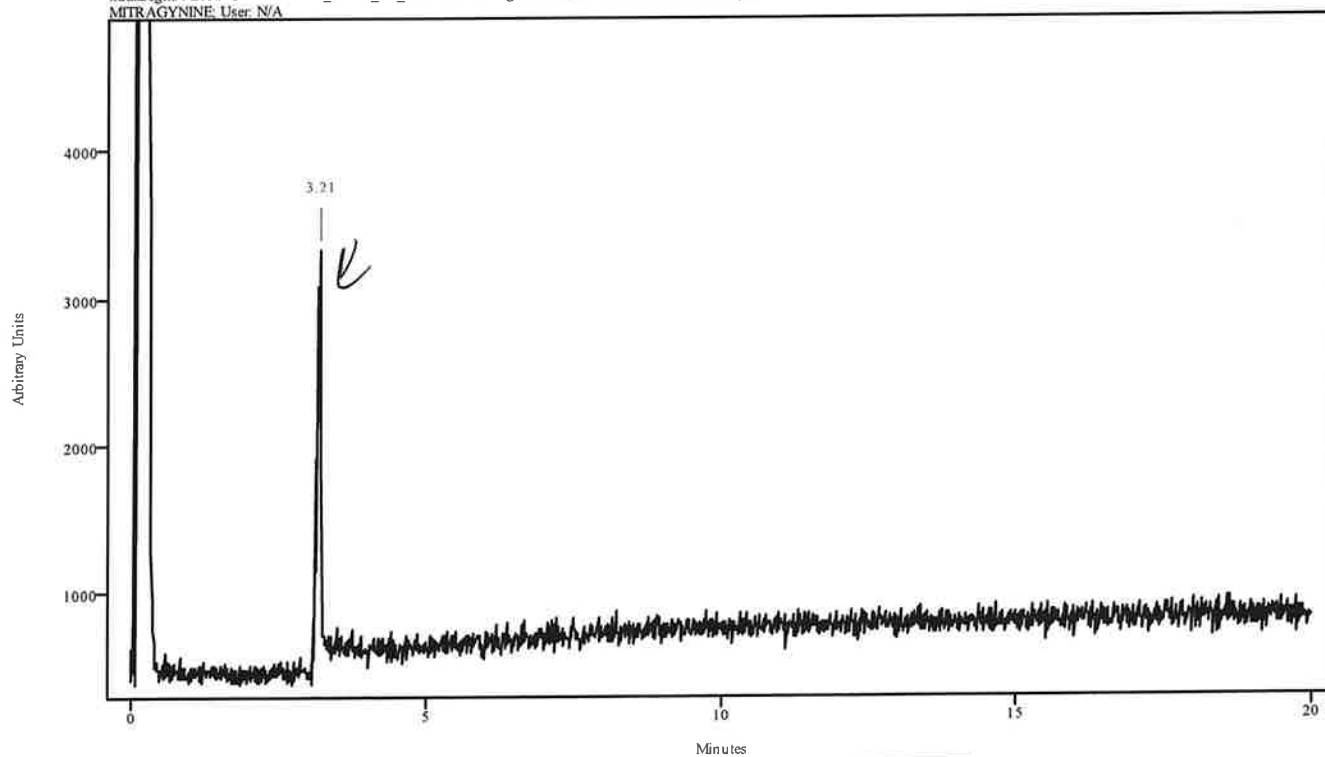
Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

RH

IRD Data Analysis Report

Data Filename	MITRAGYNINE 2022_March_02_232035
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	200TO270(20MIN)
GC Vial	13
Sample Name	MITRAGYNINE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Wed Mar 02 23:46:04 2022
Date Processed	Thu Mar 03 09:42:17 2022

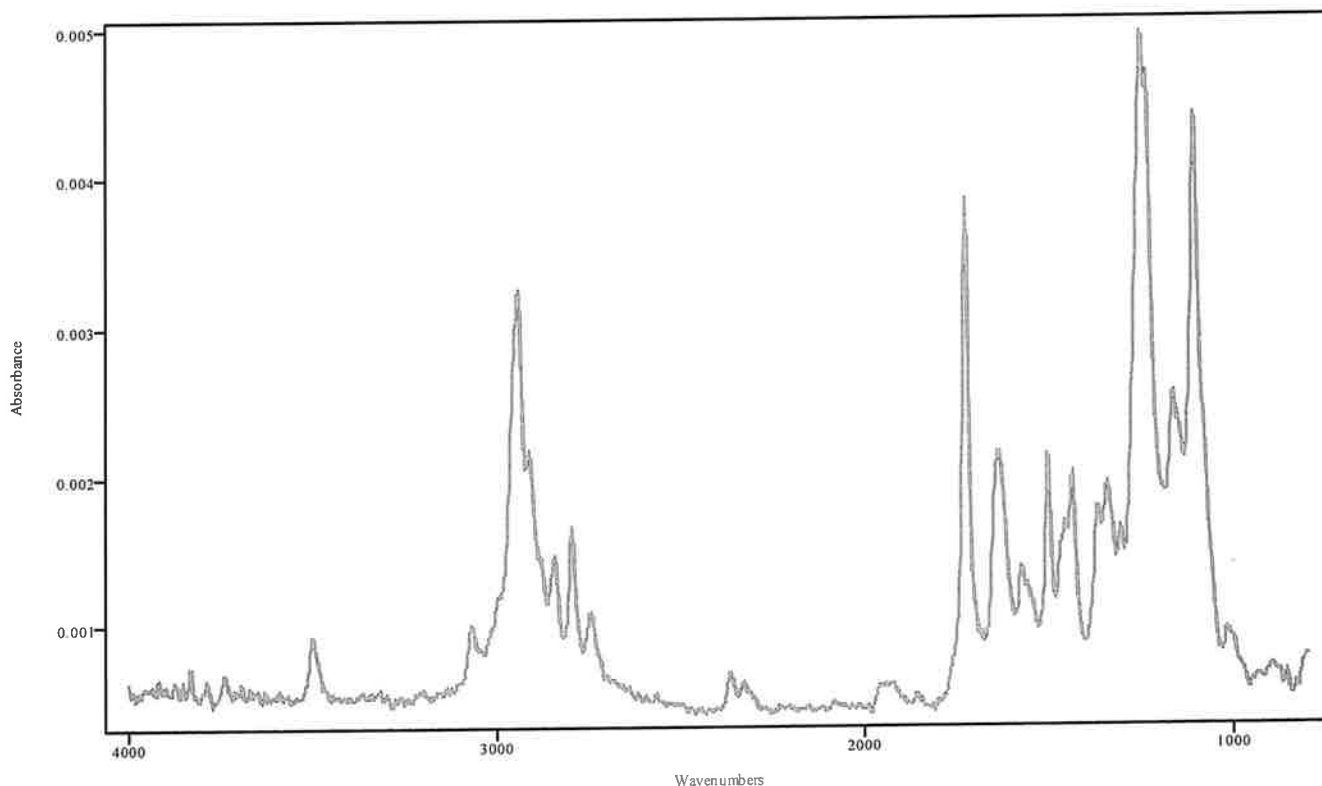
irdata.cgm: MITRAGYNINE 2022_March_02_232035\irdata.cgm : Misc. Info: MEOH:CURIE; Sample: MITRAGYNINE; User: N/A



Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.143	3.231	0.088	2.670	3.066

114

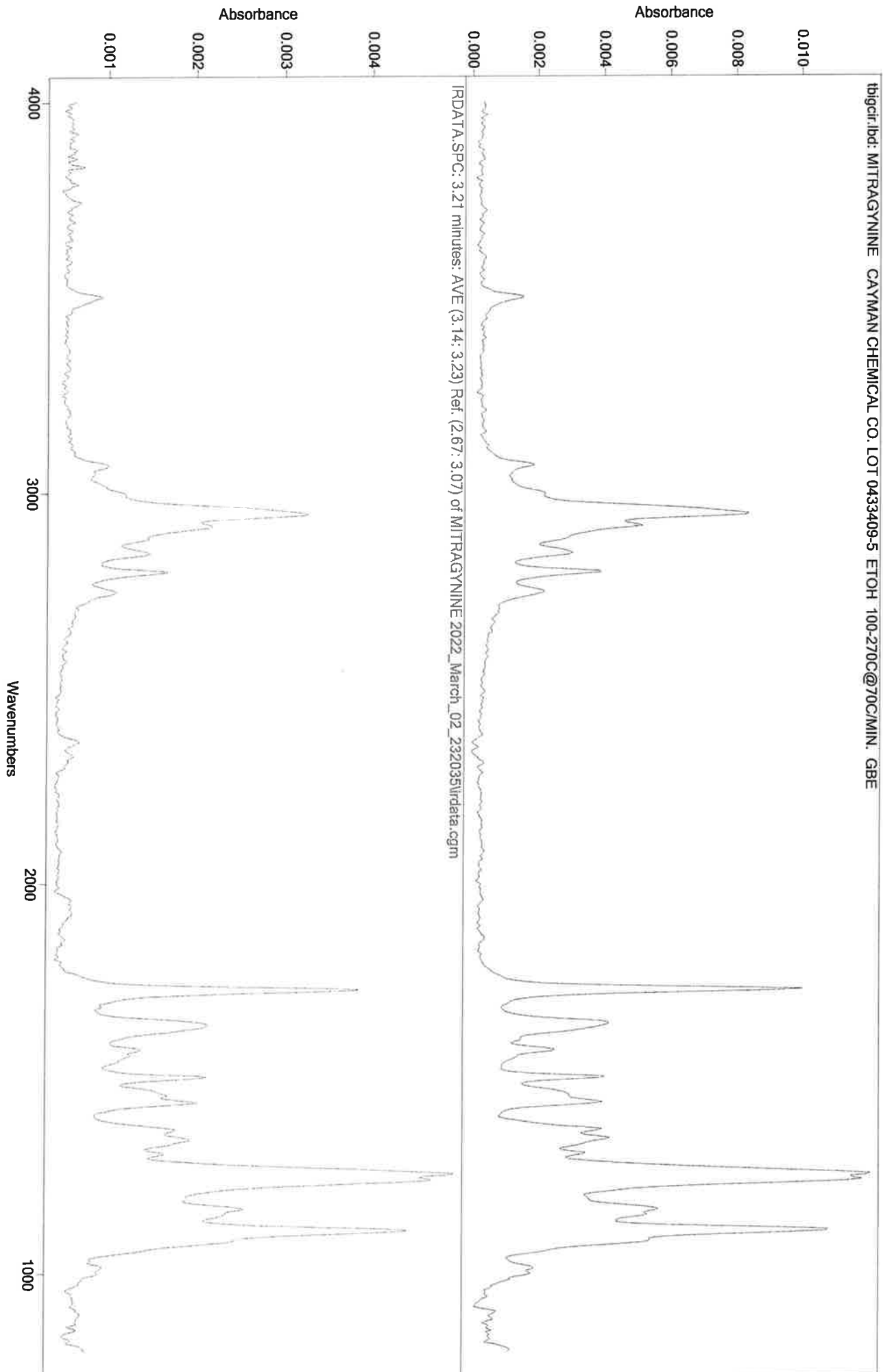
Data Filename	MITRAGYNINE 2022_March_02_232035
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	200TO270(20MIN)
GC Vial	13
Sample Name	MITRAGYNINE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Wed Mar 02 23:46:04 2022
Date Processed	Thu Mar 03 09:42:17 2022



IRDATA.SPC: 3.21 minutes: AVE (3.14: 3.23) Ref. (2.67: 3.07) of MITRAGYNINE
2022_March_02_232035.cgm

Mitragynine

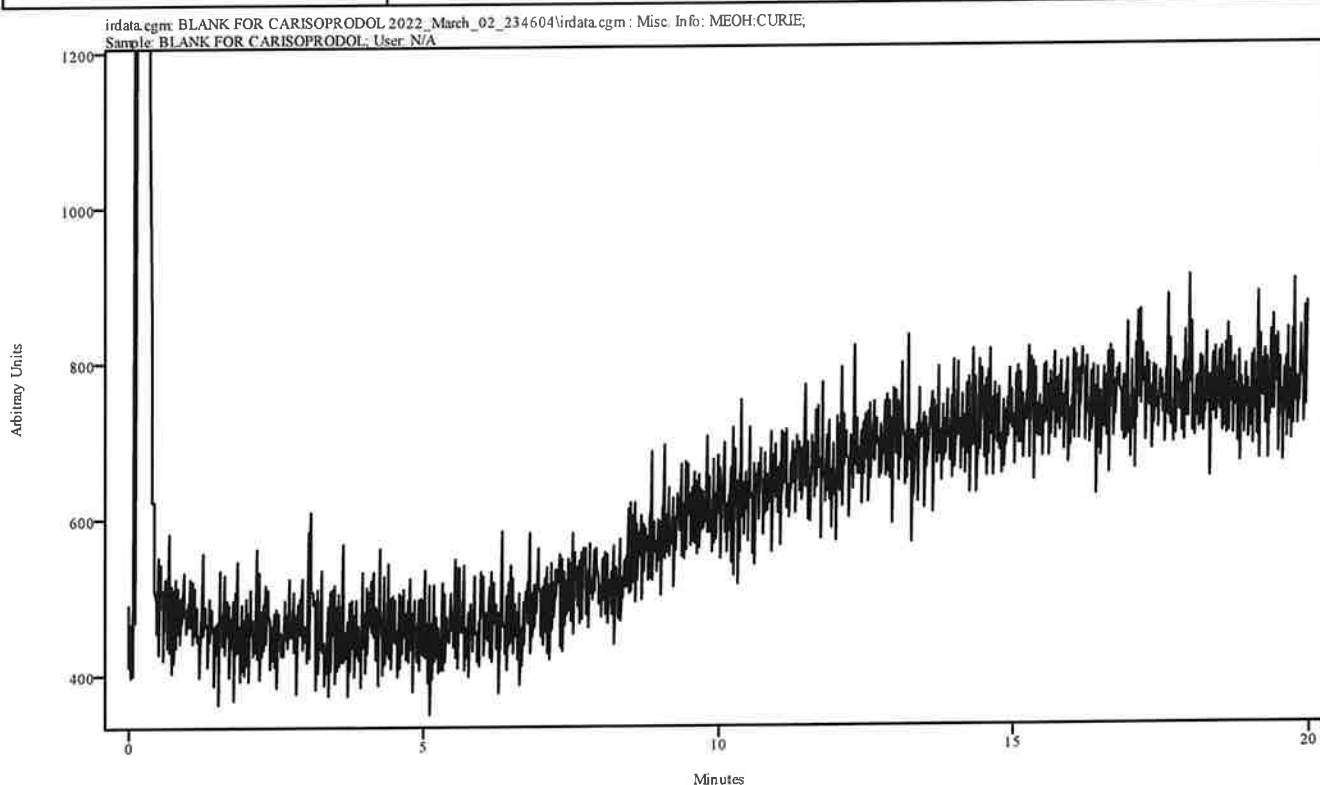
CH



CH

IRD Data Analysis Report

Data Filename	BLANK FOR CARISOPRODOL 2022_March_02_234604
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	90TO270@35C(20MIN)
GC Vial	2
Sample Name	BLANK FOR CARISOPRODOL
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Thu Mar 03 00:12:41 2022
Date Processed	Thu Mar 03 09:30:28 2022

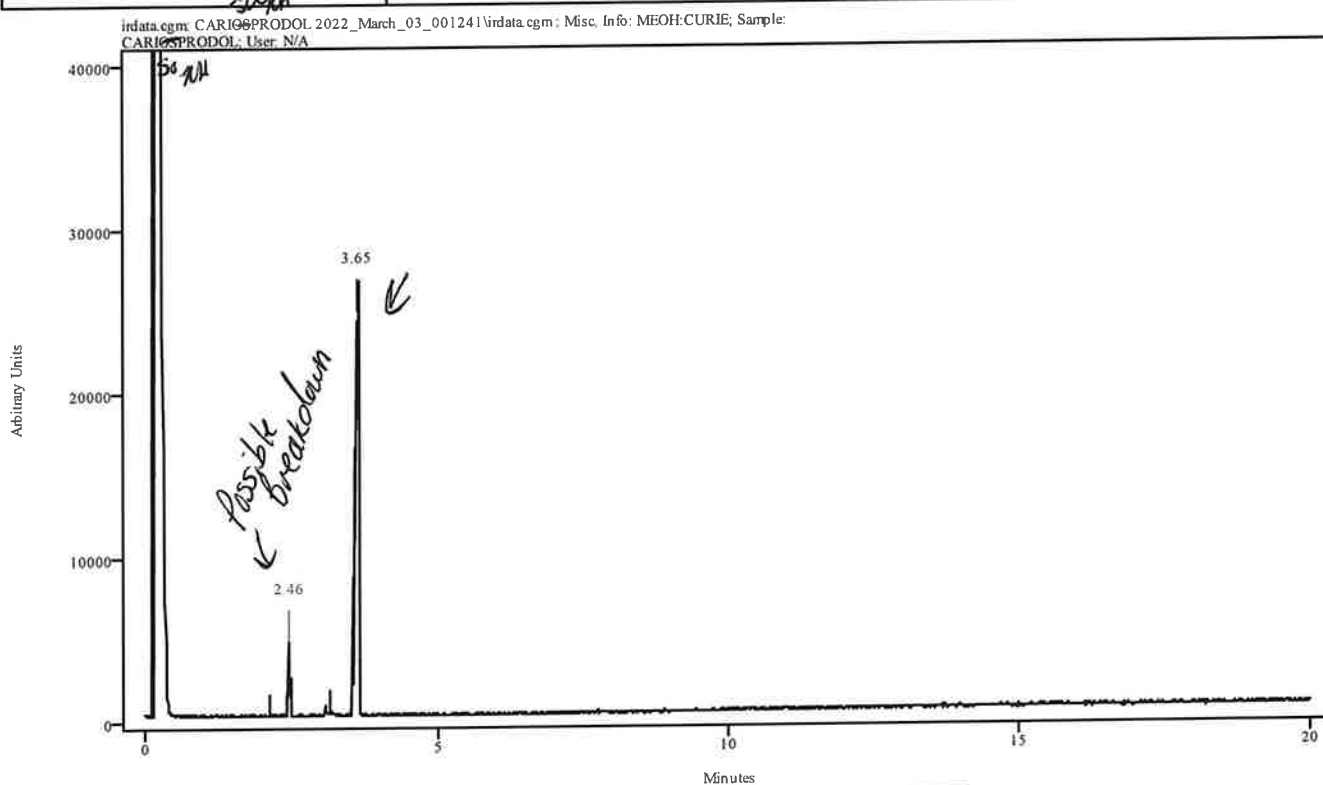


Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

IRD Data Analysis Report

Handwritten initials

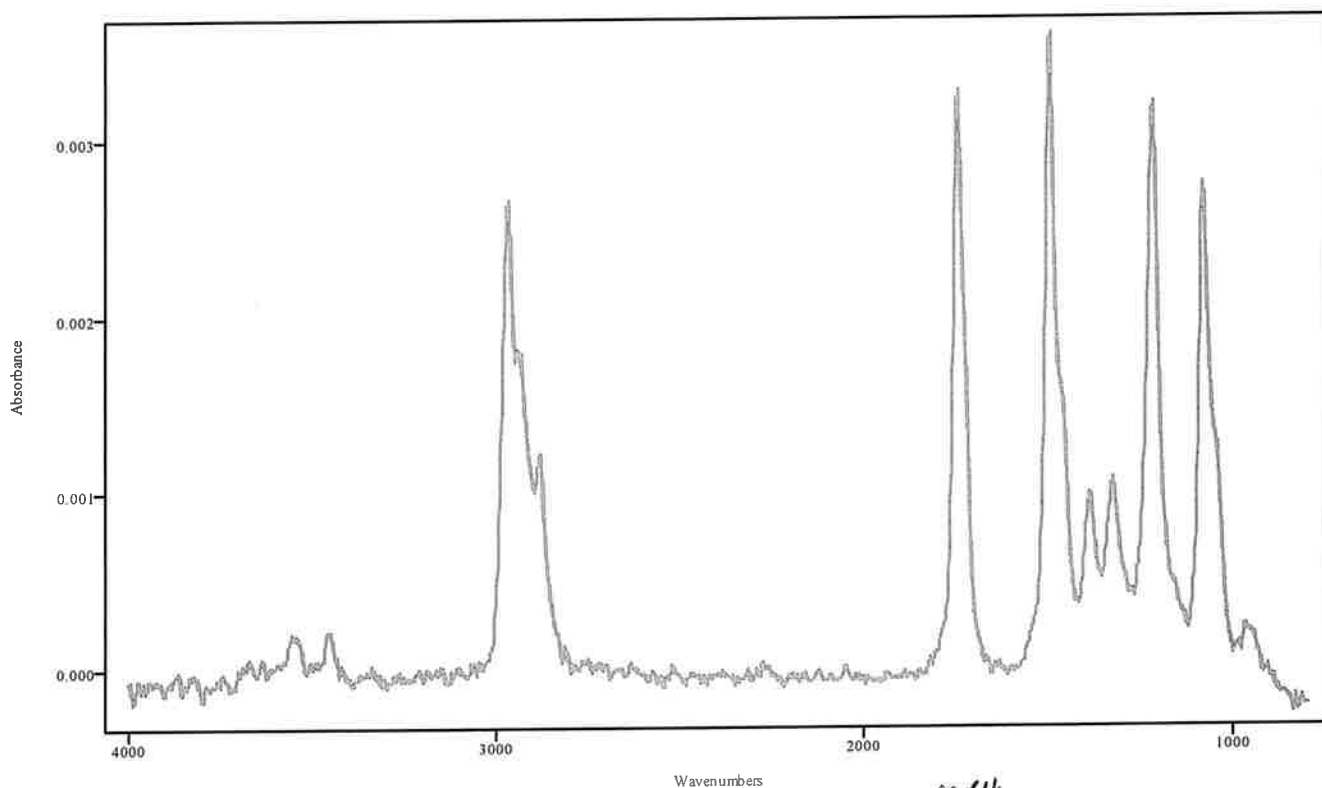
Data Filename	CARIOSPRODOL 2022_March_03_001241
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	90TO270@35C(20MIN)
GC Vial	14
Sample Name	CARIOSPRODOL
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Thu Mar 03 00:39:01 2022
Date Processed	Thu Mar 03 09:31:25 2022



Peak Start	Peak End	Peak Width	Reference Start	Reference End
2.447	2.483	0.033	2.110	2.417
3.593	3.681	0.088	3.164	3.516

MF

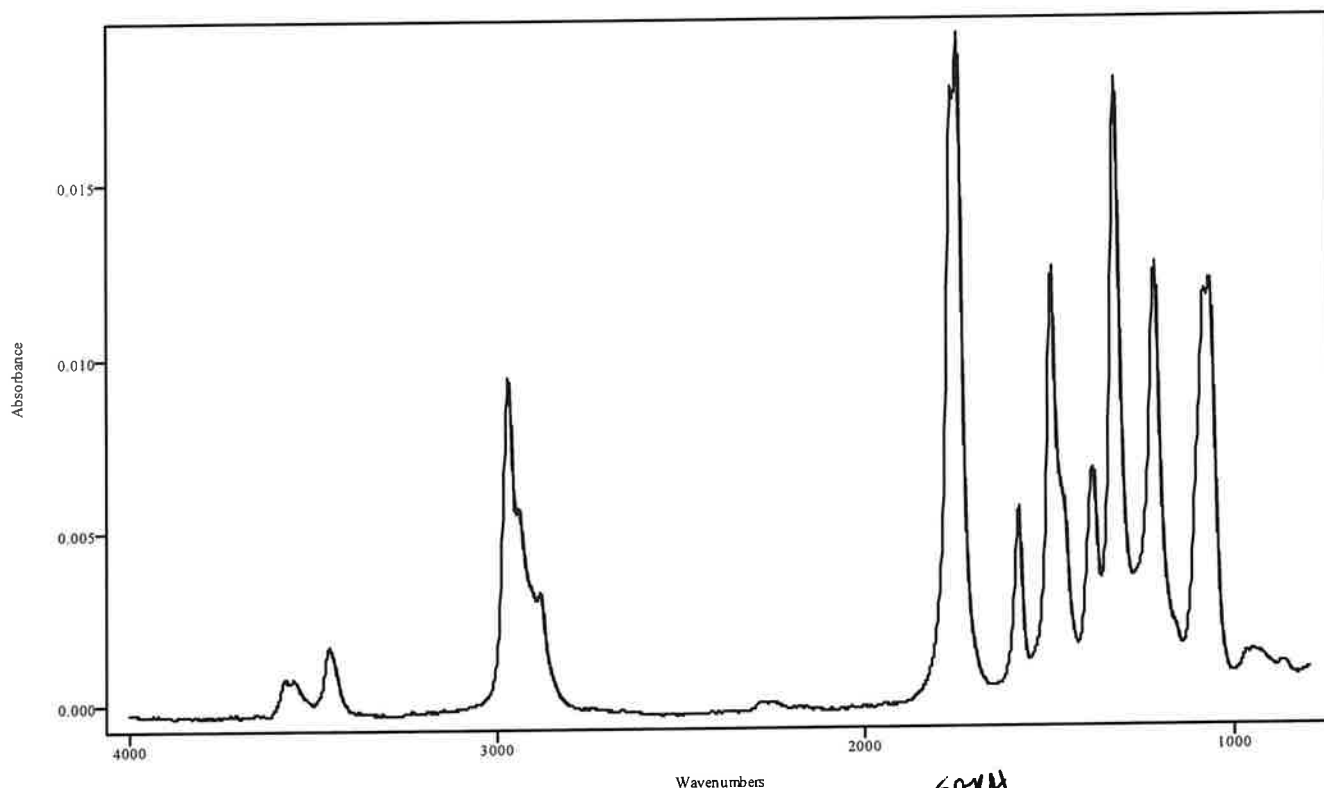
Data Filename	CARIOSPRODOL 2022_March_03_001241
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	90TO270@35C(20MIN)
GC Vial	14
Sample Name	CARIOSPRODOL
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Thu Mar 03 00:39:01 2022
Date Processed	Thu Mar 03 09:31:25 2022



IRDATA.SPC: 2.46 minutes: AVE (2.45: 2.48) Ref. (2.11: 2.42) of CARIOSPRODOL
2022_March_03_001241.cgm

possible breakdown:

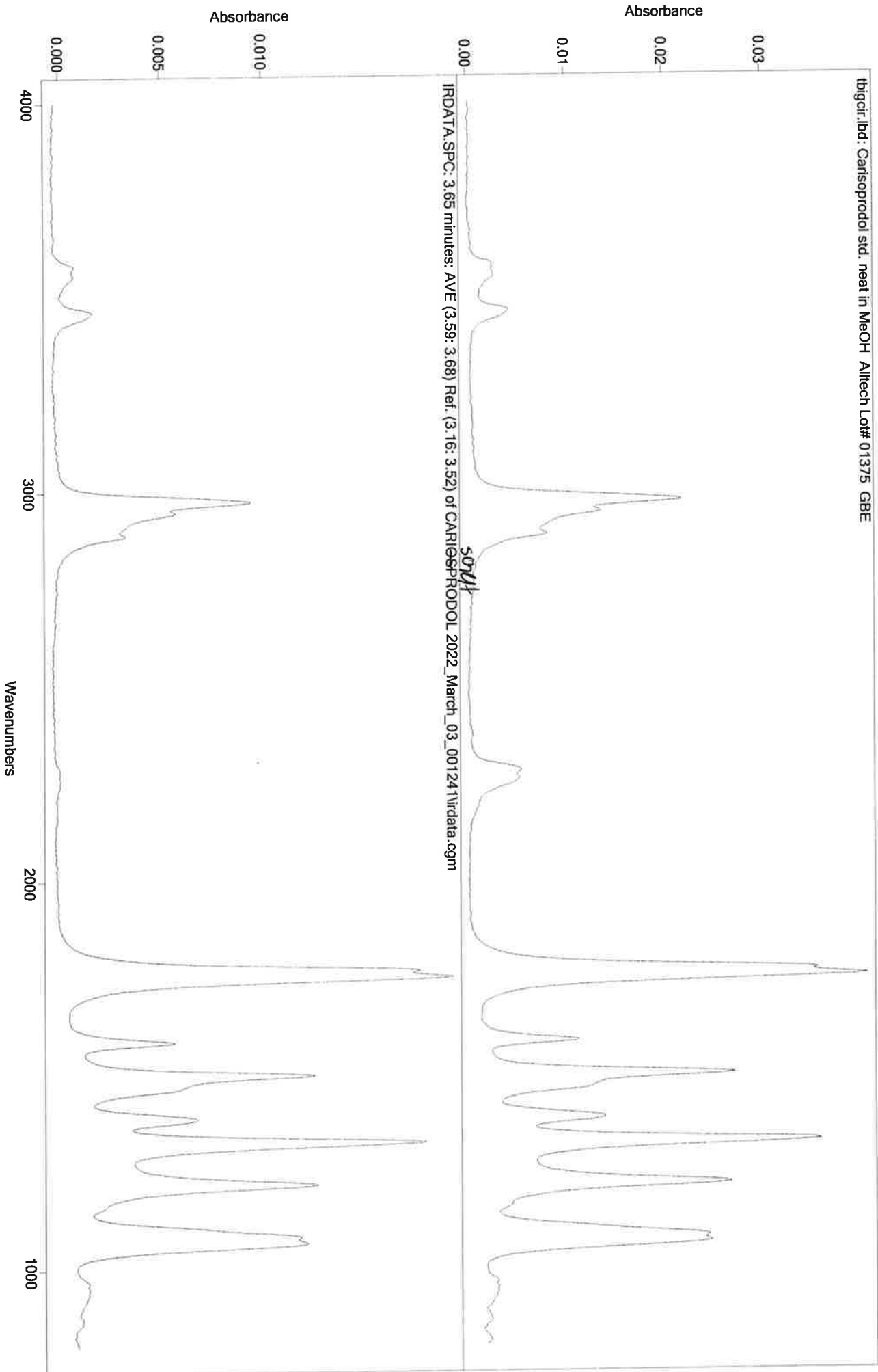
Data Filename	CARIOSPRODOL 2022_March_03_001241
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	90TO270@35C(20MIN)
GC Vial	14
Sample Name	CARIOSPRODOL
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Thu Mar 03 00:39:01 2022
Date Processed	Thu Mar 03 09:31:25 2022



IRDATA.SPC: 3.65 minutes: AVE (3.59: 3.68) Ref. (3.16: 3.52) of CARIOSPRODOL
 2022_March_03_001241.cgm

Carisprodol

CH

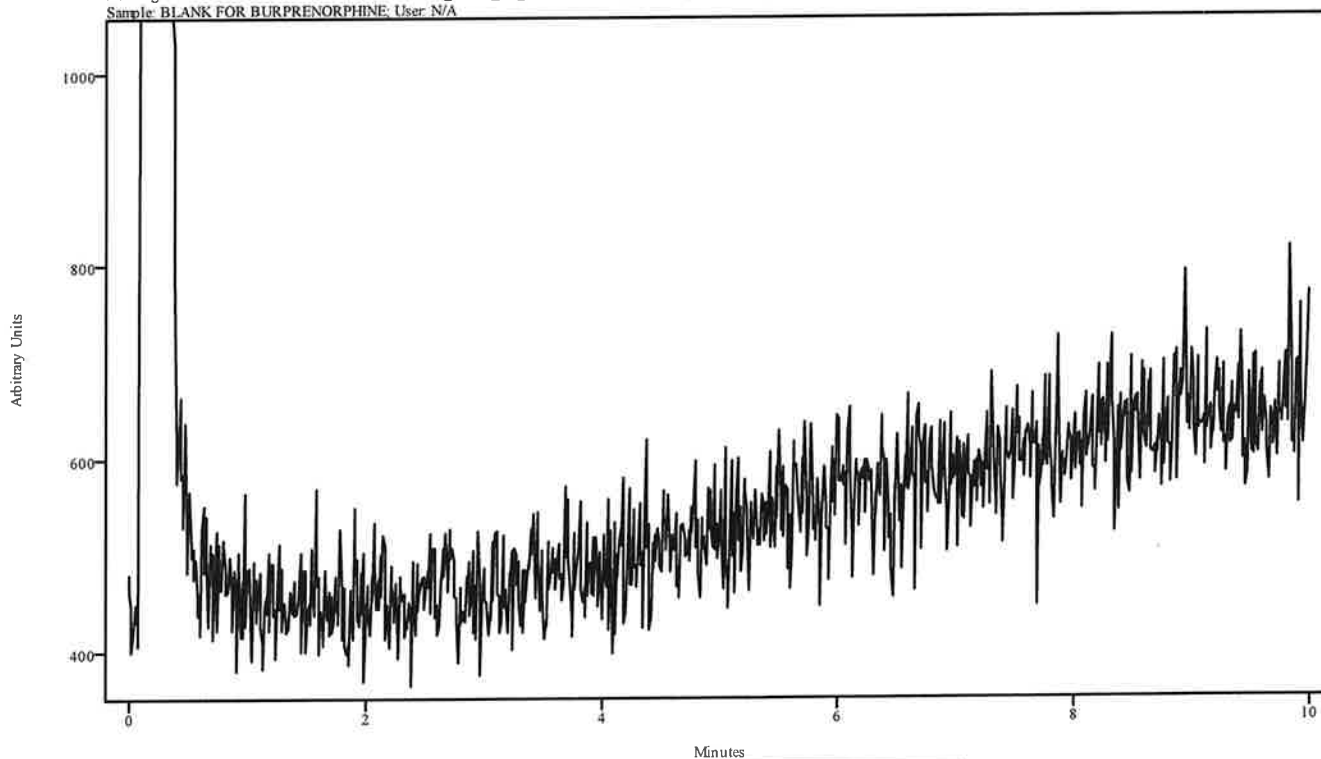


CH

IRD Data Analysis Report

Data Filename	BLANK FOR BURPRENORPHINE 2022_March_03_003901
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	200TO270
GC Vial	2
Sample Name	BLANK FOR BURPRENORPHINE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Thu Mar 03 00:54:42 2022
Date Processed	Thu Mar 03 09:28:56 2022

irdata.cgm: BLANK FOR BURPRENORPHINE 2022_March_03_003901\irdata.cgm : Misc. Info: MEOH:CURIE;
Sample: BLANK FOR BURPRENORPHINE, User: N/A

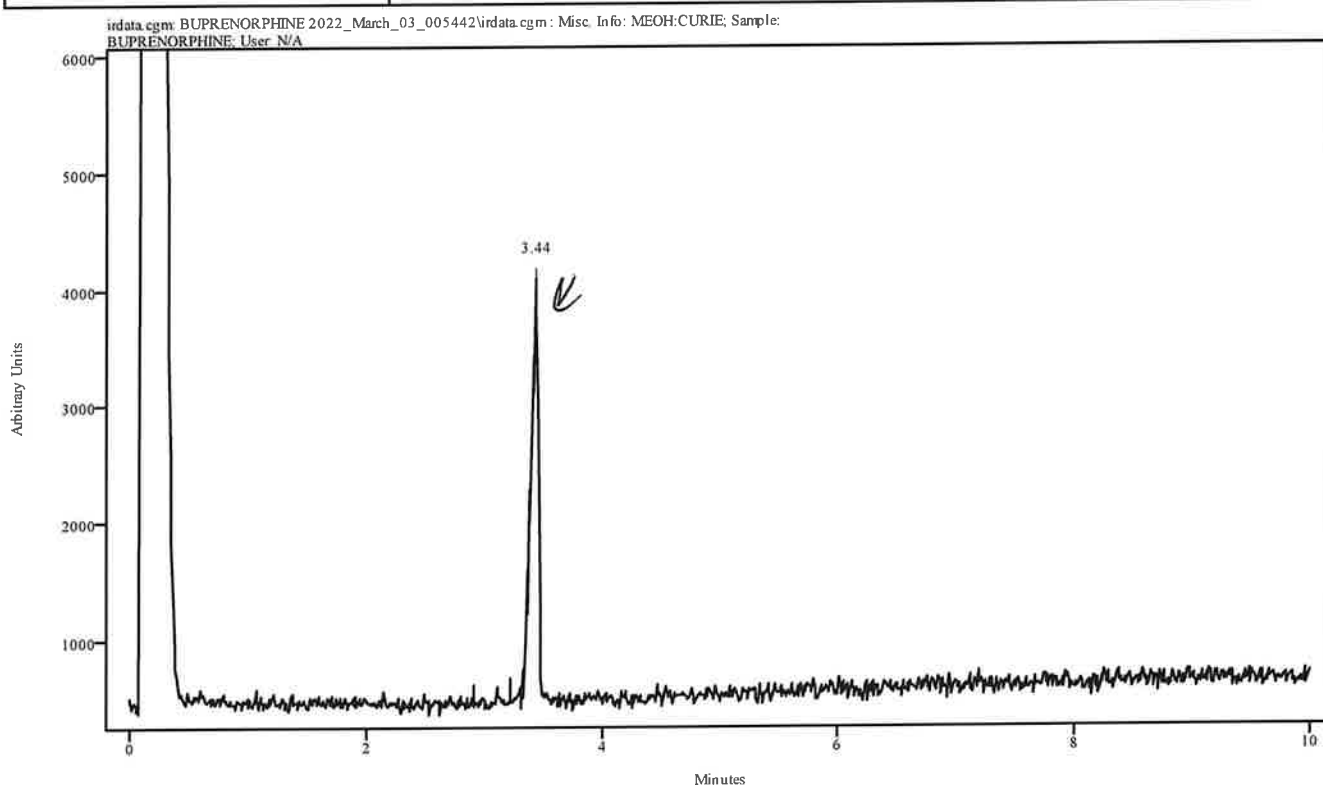


Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

CH

IRD Data Analysis Report

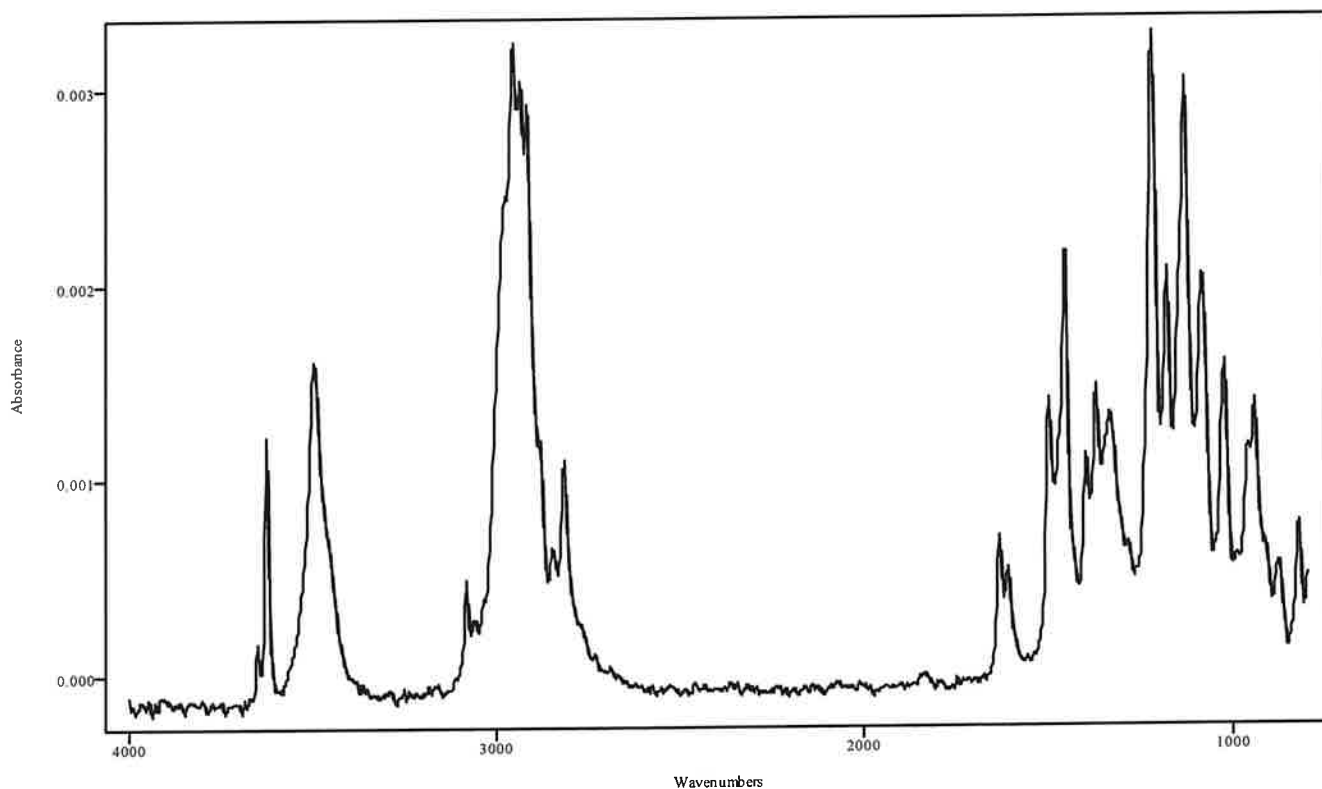
Data Filename	BUPRENORPHINE 2022_March_03_005442
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	200TO270
GC Vial	15
Sample Name	BUPRENORPHINE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Thu Mar 03 01:10:09 2022
Date Processed	Thu Mar 03 09:29:55 2022



Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.384	3.472	0.088	2.912	3.225

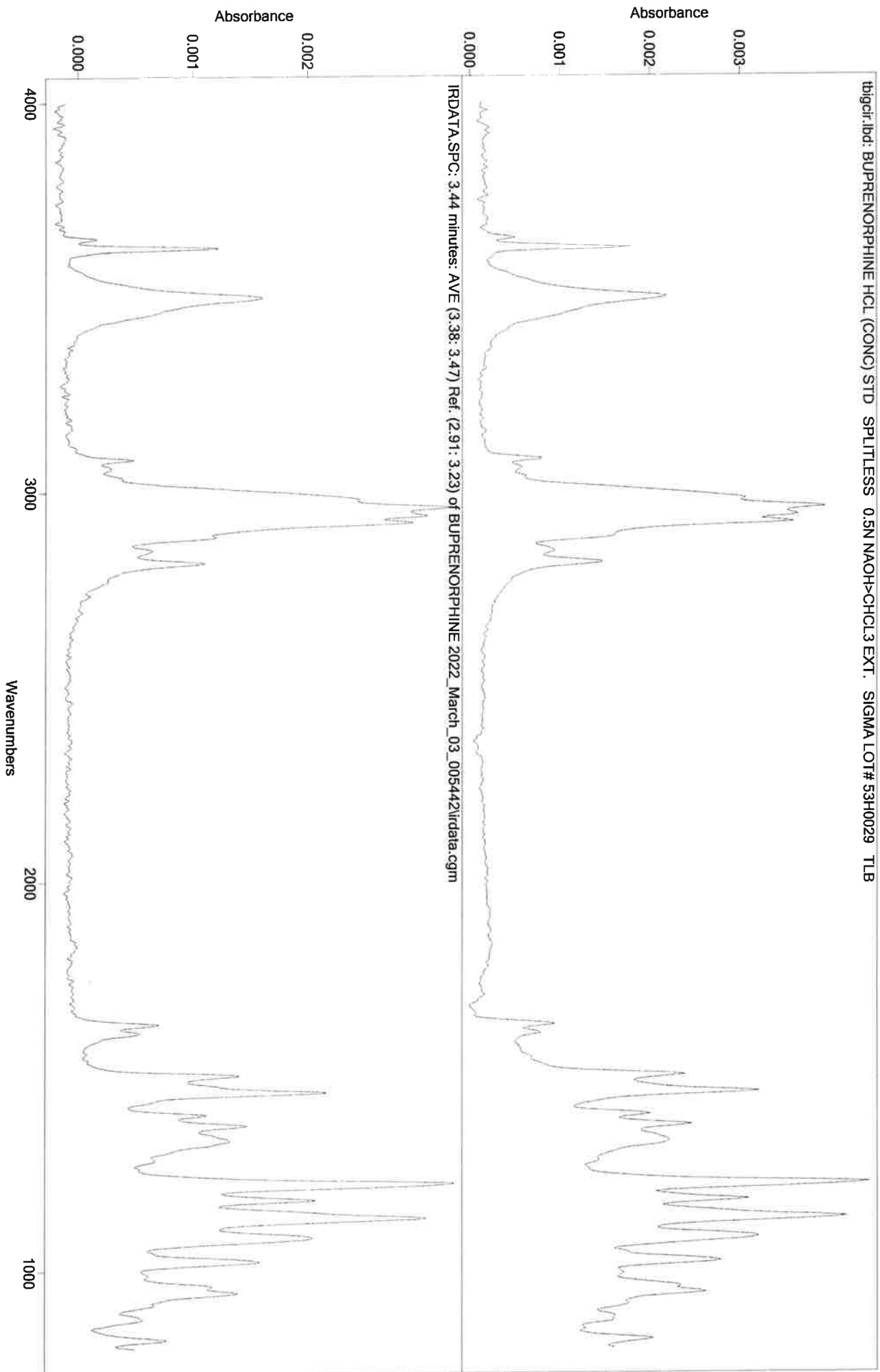
11

Data Filename	BUPRENORPHINE 2022_March_03_005442
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	200TO270
GC Vial	15
Sample Name	BUPRENORPHINE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Thu Mar 03 01:10:09 2022
Date Processed	Thu Mar 03 09:29:55 2022



IRDATA.SPC: 3.44 minutes: AVE (3.38: 3.47) Ref. (2.91: 3.23) of BUPRENORPHINE
2022_March_03_005442.cgm

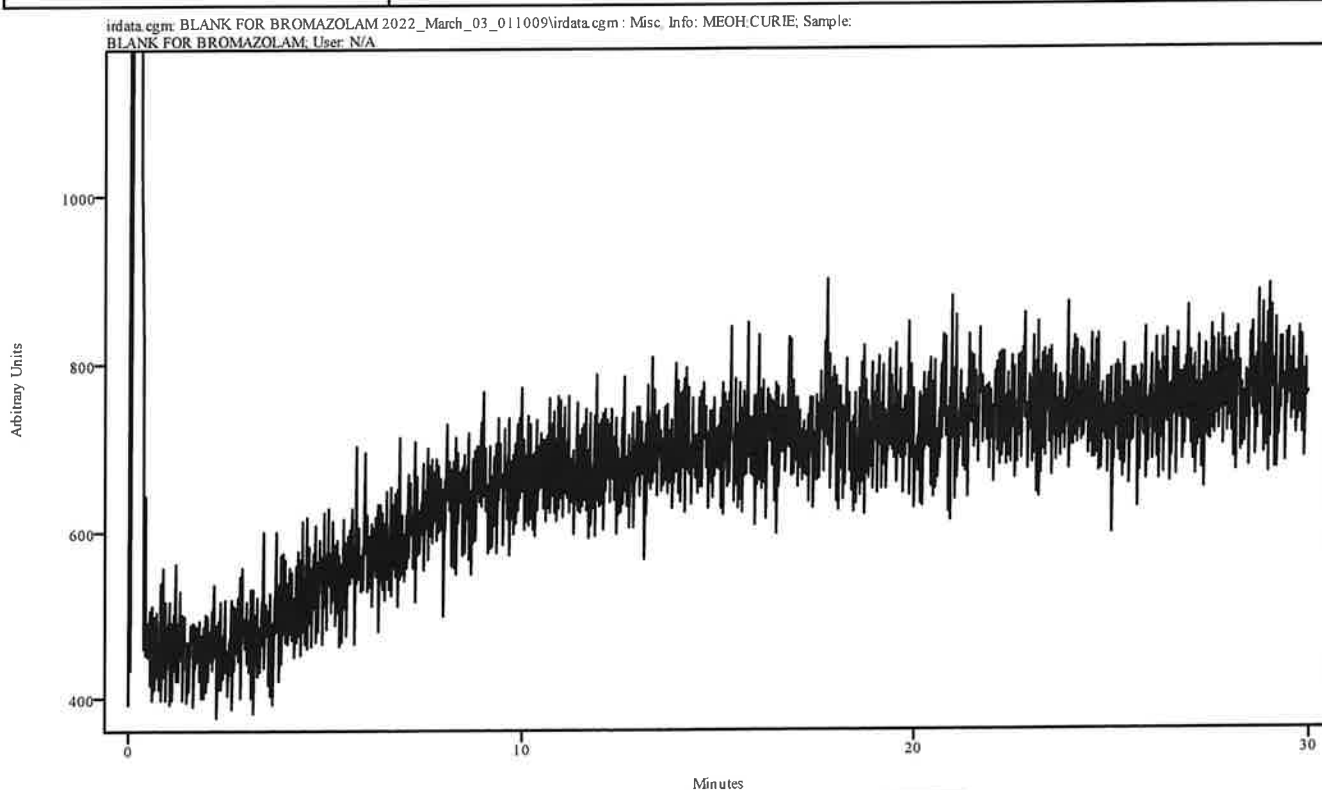
CH



CH

IRD Data Analysis Report

Data Filename	BLANK FOR BROMAZOLAM 2022_March_03_011009
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	200TO270(30MIN)
GC Vial	2
Sample Name	BLANK FOR BROMAZOLAM
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Thu Mar 03 01:45:32 2022
Date Processed	Thu Mar 03 09:26:54 2022



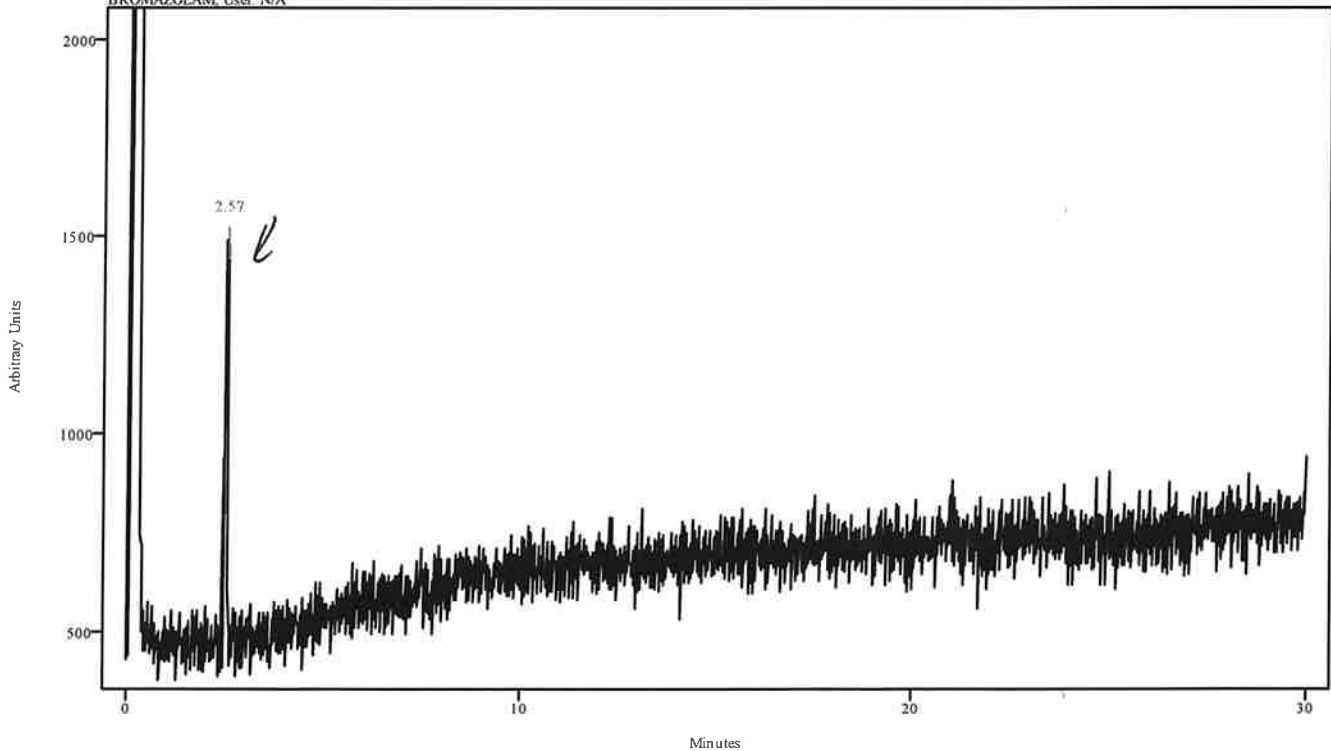
Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

YH

IRD Data Analysis Report

Data Filename	BROMAZOLAM 2022_March_03_014532
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	200TO270(30MIN)
GC Vial	16
Sample Name	BROMAZOLAM
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Thu Mar 03 02:20:56 2022
Date Processed	Thu Mar 03 09:27:54 2022

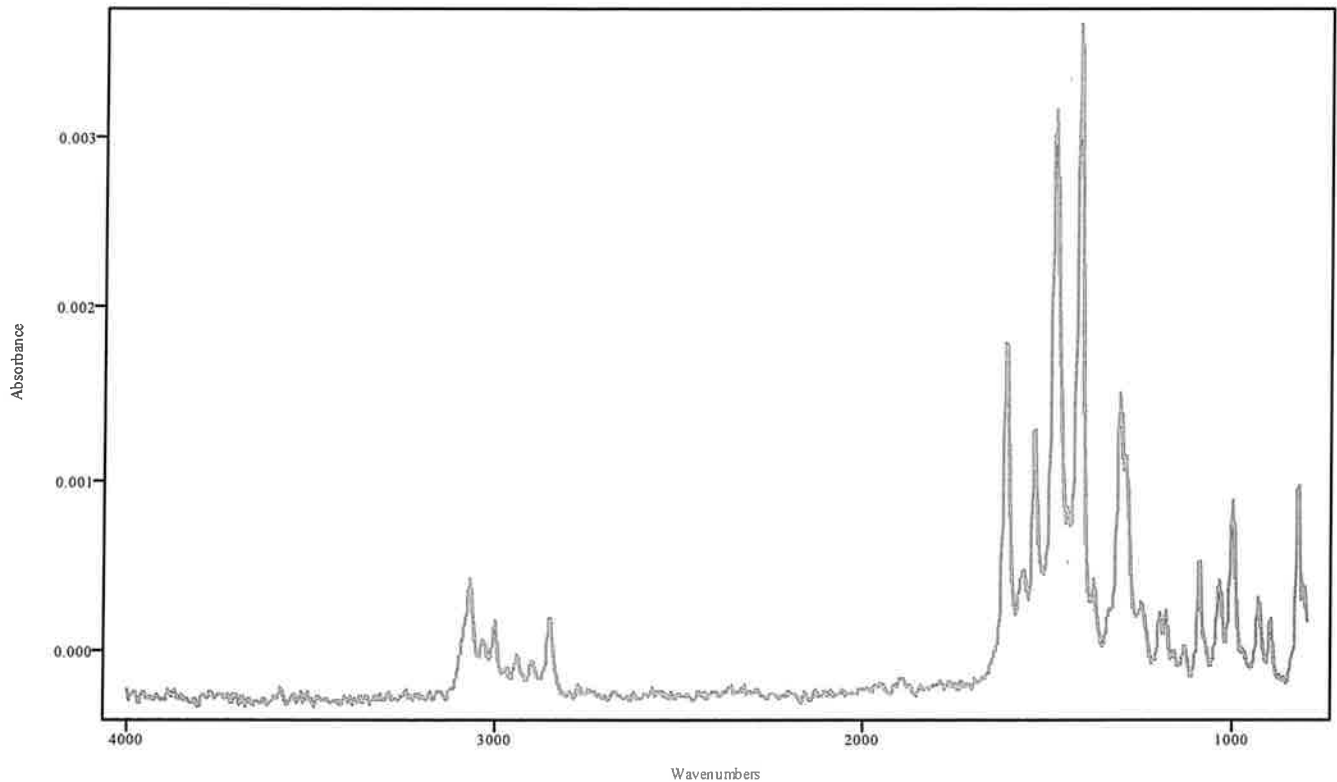
irdata.cgm: BROMAZOLAM 2022_March_03_014532\irdata.cgm : Misc. Info: MEOH:CURIE; Sample: BROMAZOLAM; User: N/A



Peak Start	Peak End	Peak Width	Reference Start	Reference End
2.504	2.614	0.110	1.977	2.376

9/11

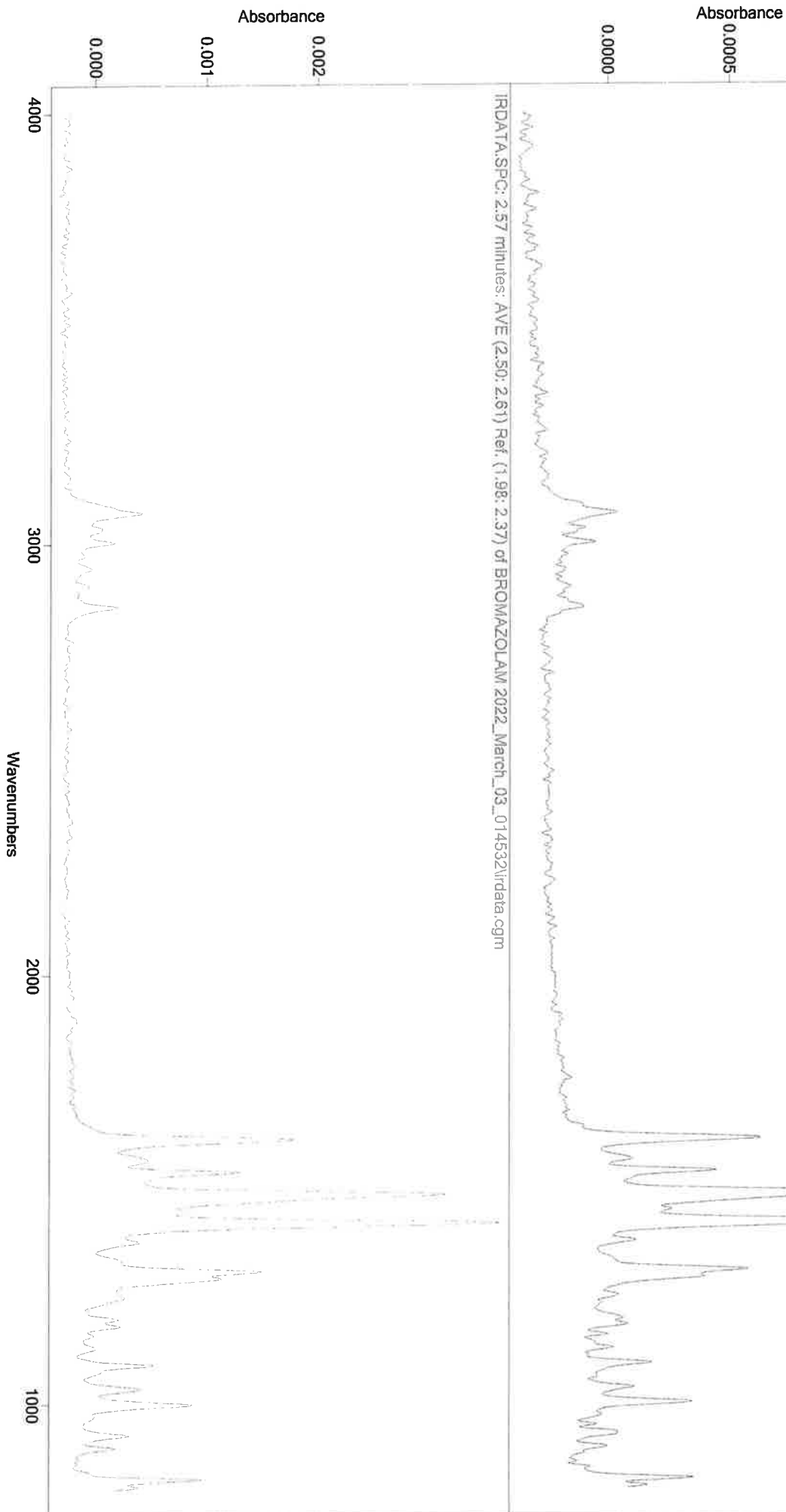
Data Filename	BROMAZOLAM 2022_March_03_014532
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	200TO270(30MIN)
GC Vial	16
Sample Name	BROMAZOLAM
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Thu Mar 03 02:20:56 2022
Date Processed	Thu Mar 03 09:27:54 2022



IRDATA.SPC: 2.57 minutes: AVE (2.50: 2.61) Ref. (1.98: 2.37) of BROMAZOLAM
2022_March_03_014532.cgm

44

BROMAZOLAM 0545063-32 2021_May_18_111621_abs.spc: BROMAZOLAM 2021_May_18_111621\irdata.cgm

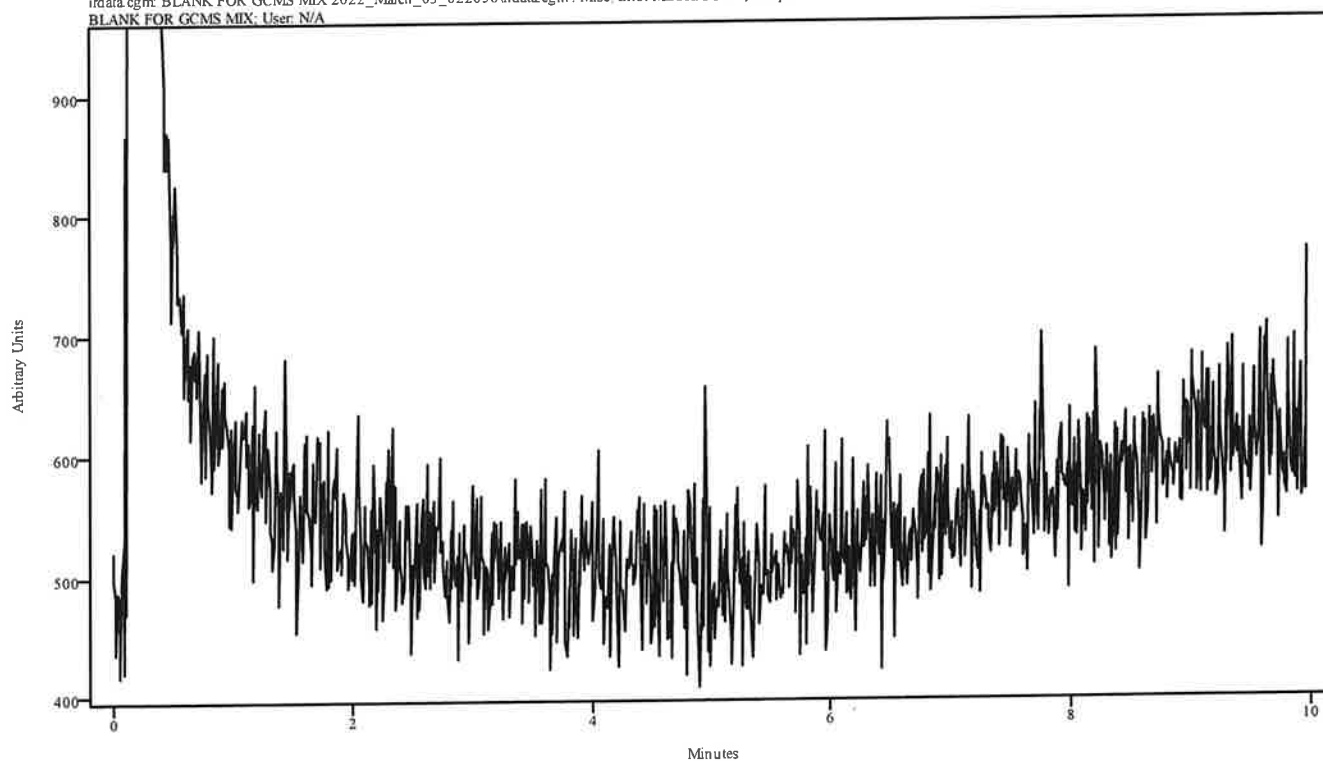


MA

IRD Data Analysis Report

Data Filename	BLANK FOR GCMS MIX 2022_March_03_022056
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	90TO270
GC Vial	2
Sample Name	BLANK FOR GCMS MIX
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Thu Mar 03 02:37:46 2022
Date Processed	Thu Mar 03 09:35:19 2022

irdata.cgm: BLANK FOR GCMS MIX 2022_March_03_022056\irdata.cgm : Misc. Info: MEOH:CURIE; Sample: BLANK FOR GCMS MIX; User: N/A



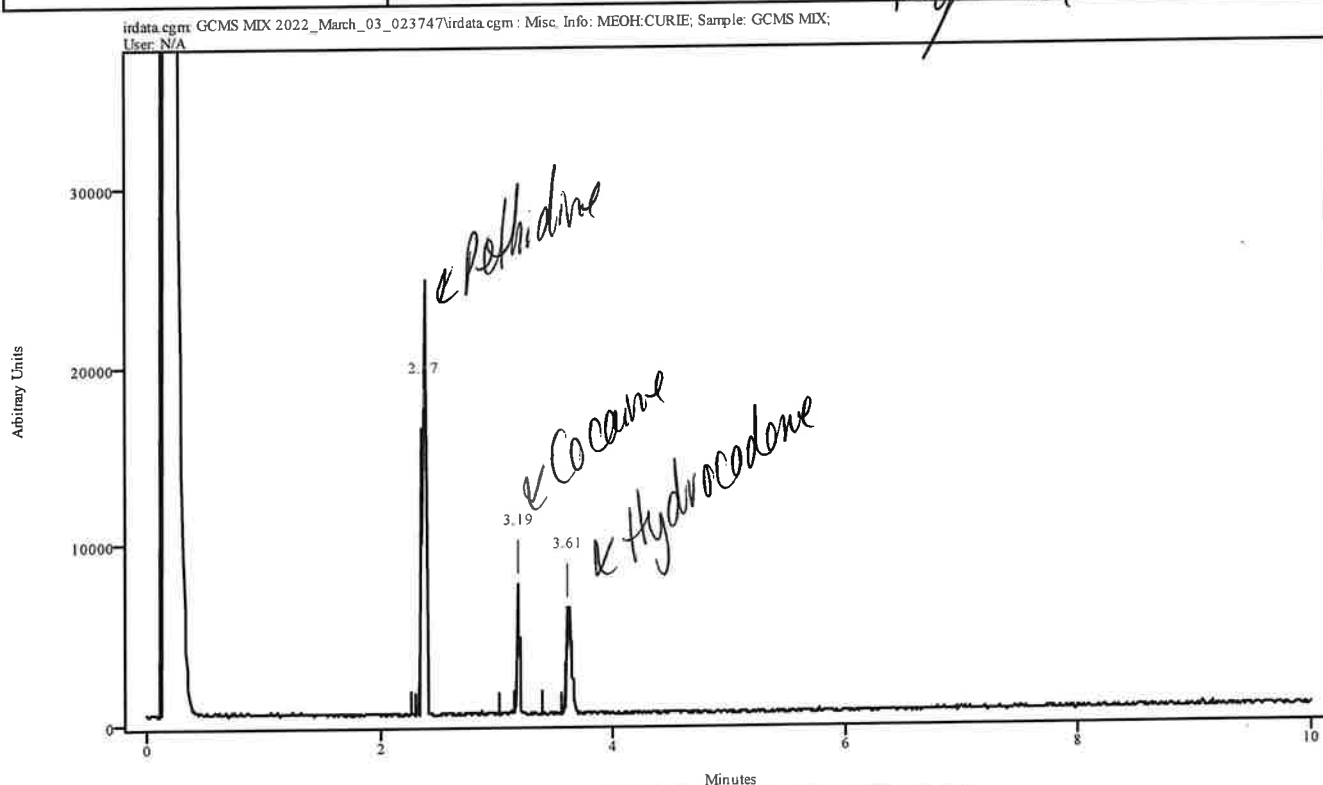
Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

JA

IRD Data Analysis Report

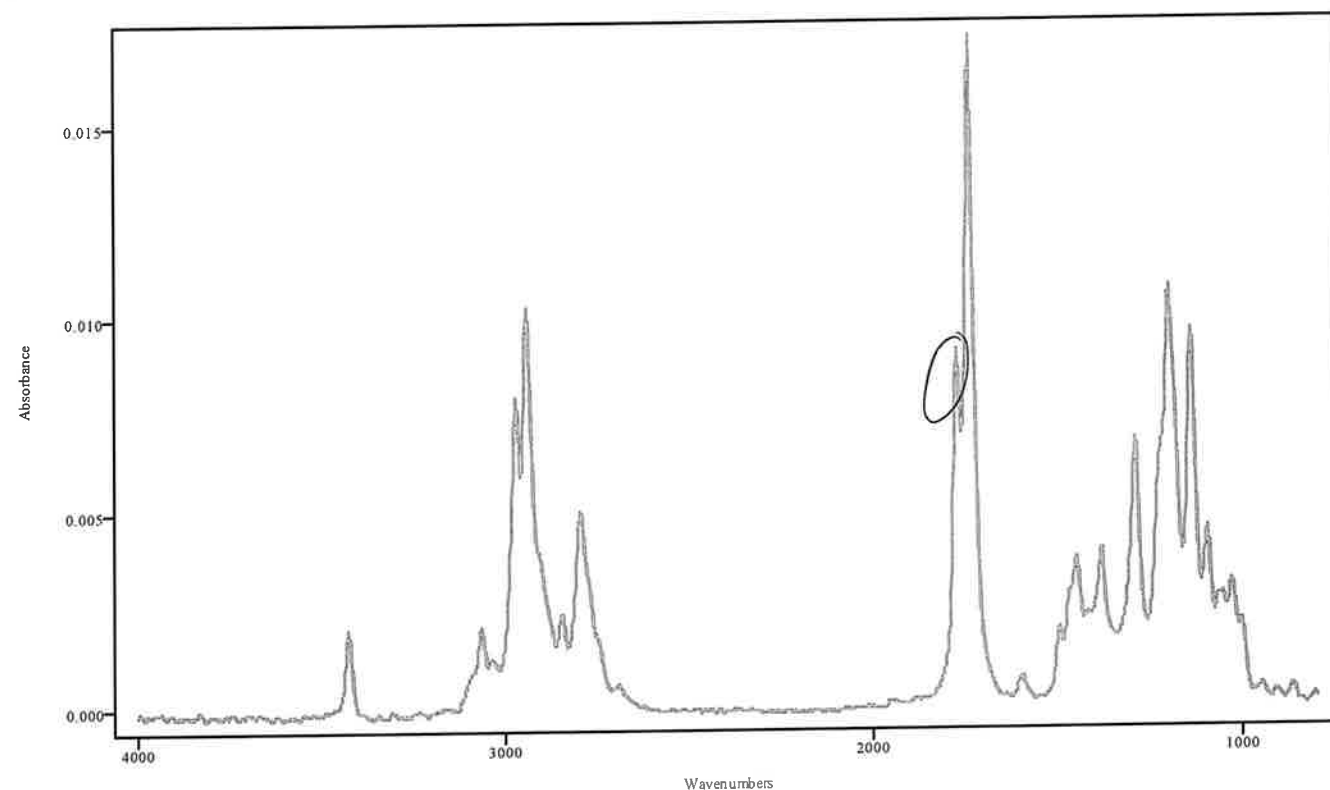
Data Filename	GCMS MIX 2022_March_03_023747
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	90TO270
GC Vial	17
Sample Name	GCMS MIX
Misc. Info	MEOH:CURIE
User ID	N/A
Injection Time	Thu Mar 03 02:54:18 2022
Date Processed	Tue Mar 08 14:01:39 2022

Reprinted



Peak Start	Peak End	Peak Width	Reference Start	Reference End
2.340	2.368	0.033	2.262	2.312
3.164	3.197	0.033	3.010	3.142
3.592	3.636	0.044	3.383	3.559

Data Filename	GCMS MIX 2022_March_03_023747
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	90TO270
GC Vial	17
Sample Name	GCMS MIX
Misc. Info	MEOH:CURIE
User ID	N/A
Injection Time	Thu Mar 03 02:54:18 2022
Date Processed	Tue Mar 08 14:01:39 2022



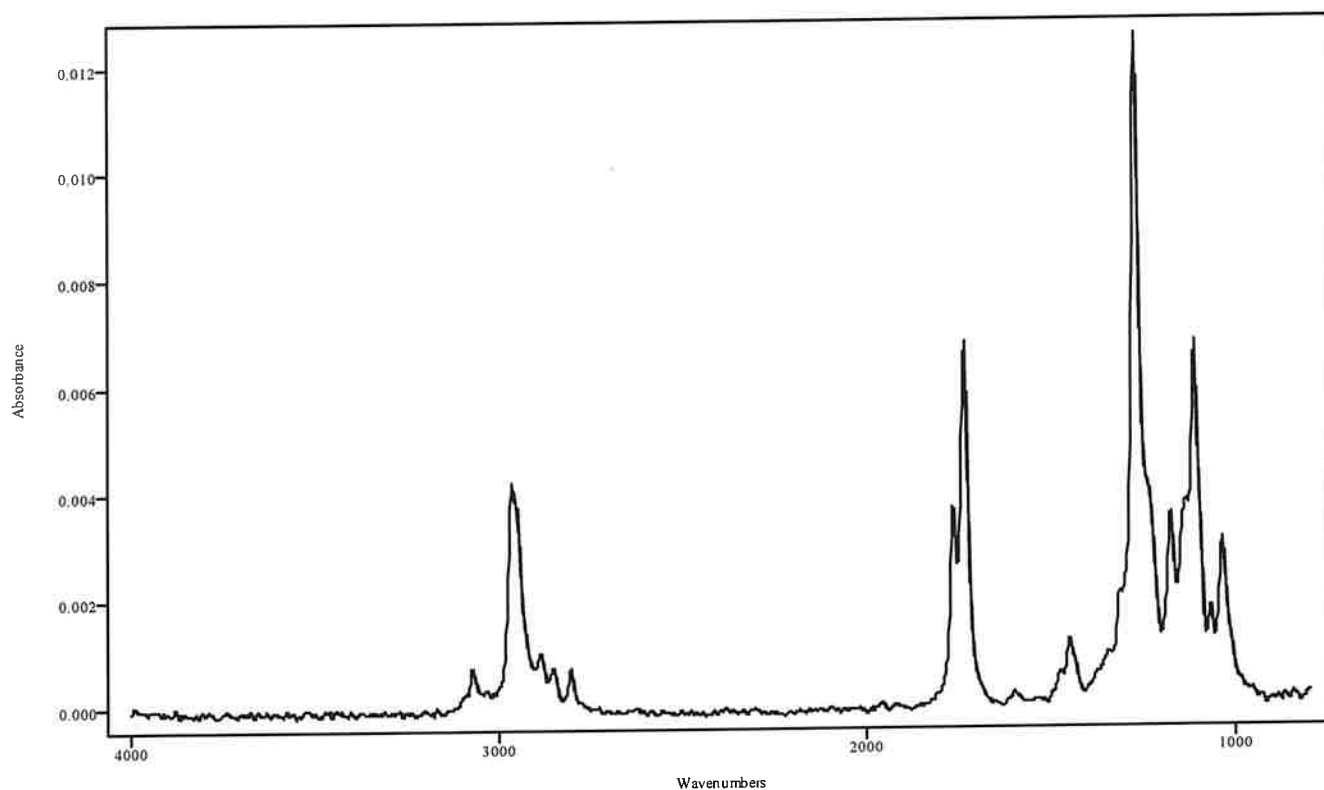
IRDATA.SPC: 2.37 minutes: AVE (2.34: 2.37) Ref. (2.26: 2.31) of GCMS MIX
2022_March_03_023747.cgm

Pethidine

**possible Remo barbitol carryover. DNU.*

44

Data Filename	GCMS MIX 2022_March_03_023747
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	90TO270
GC Vial	17
Sample Name	GCMS MIX
Misc. Info	MEOH:CURIE
User ID	N/A
Injection Time	Thu Mar 03 02:54:18 2022
Date Processed	Tue Mar 08 14:01:39 2022

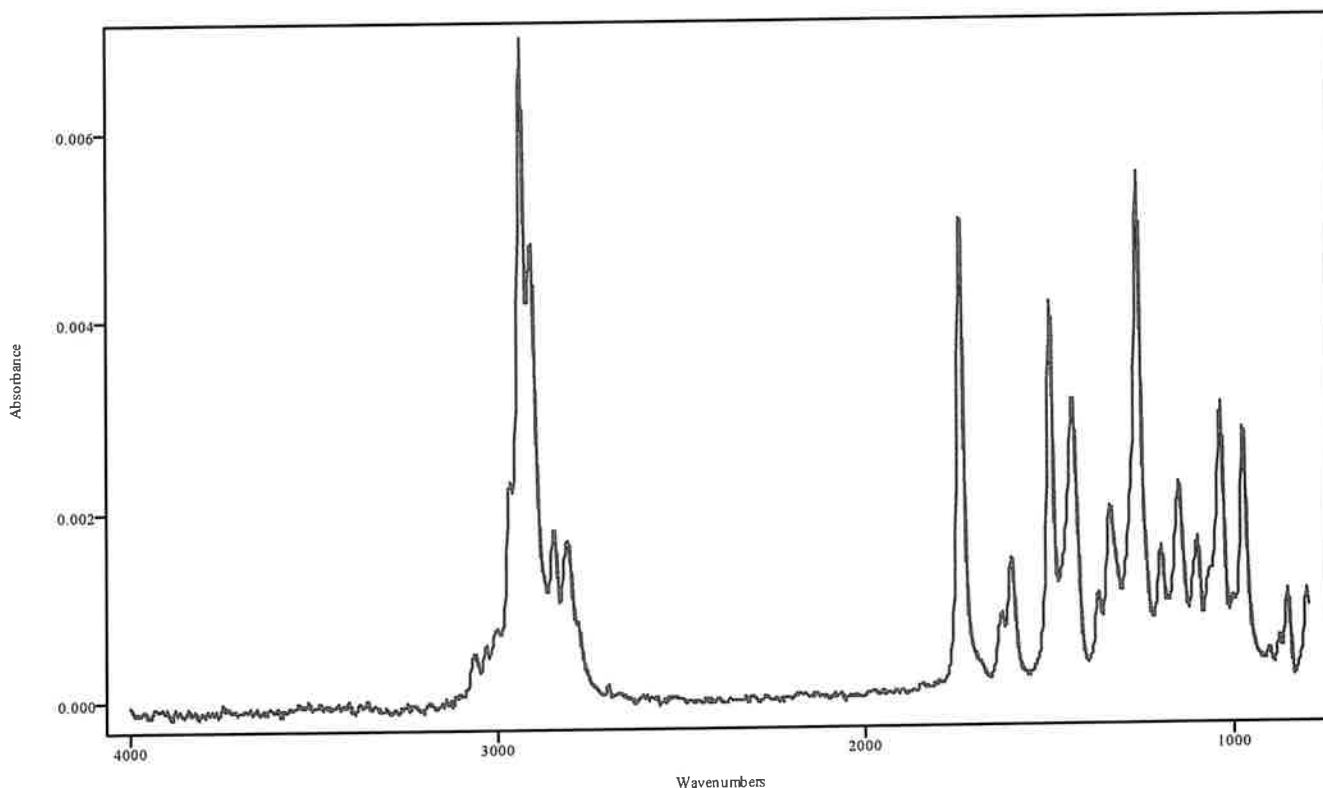


IRDATA.SPC: 3.19 minutes: AVE (3.16: 3.20) Ref. (3.01: 3.14) of GCMS MIX
 2022_March_03_023747.cgm

Cocaine

Data Filename	GCMS MIX 2022_March_03_023747
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT METHODS
IRD Method	IRD3
GC Method	90TO270
GC Vial	17
Sample Name	GCMS MIX
Misc. Info	MEOH:CURIE
User ID	N/A
Injection Time	Thu Mar 03 02:54:18 2022
Date Processed	Tue Mar 08 14:01:39 2022

14

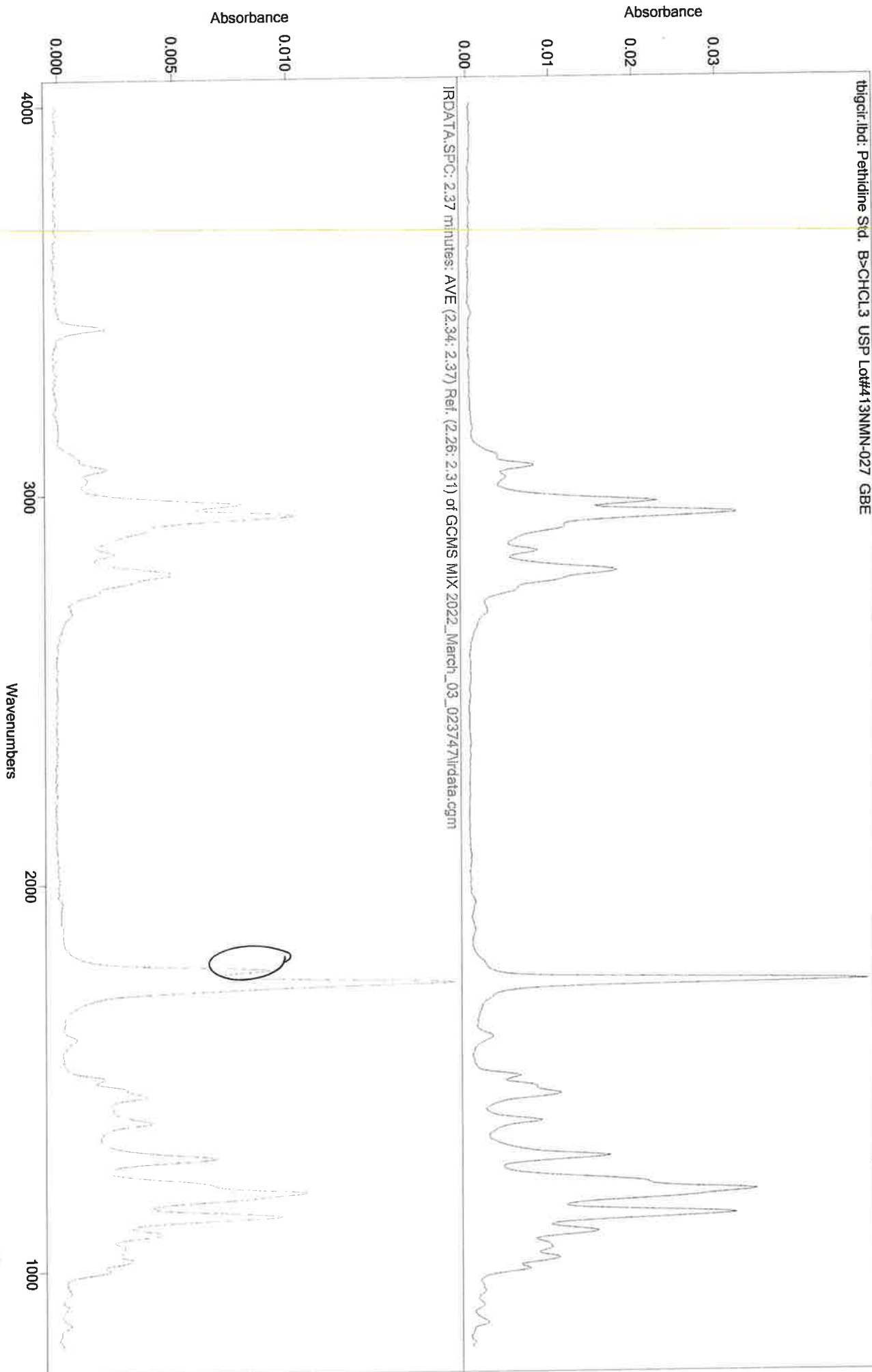


IRDATA.SPC: 3.61 minutes: AVE (3.59: 3.64) Ref. (3.38: 3.56) of GCMS MIX
2022_March_03_023747.cgm

Hydrocodone

14

tbicir.lbd: Pethidine Std. B>CHCL3 USP Lot#413NMN-027 GBE



Absorbance

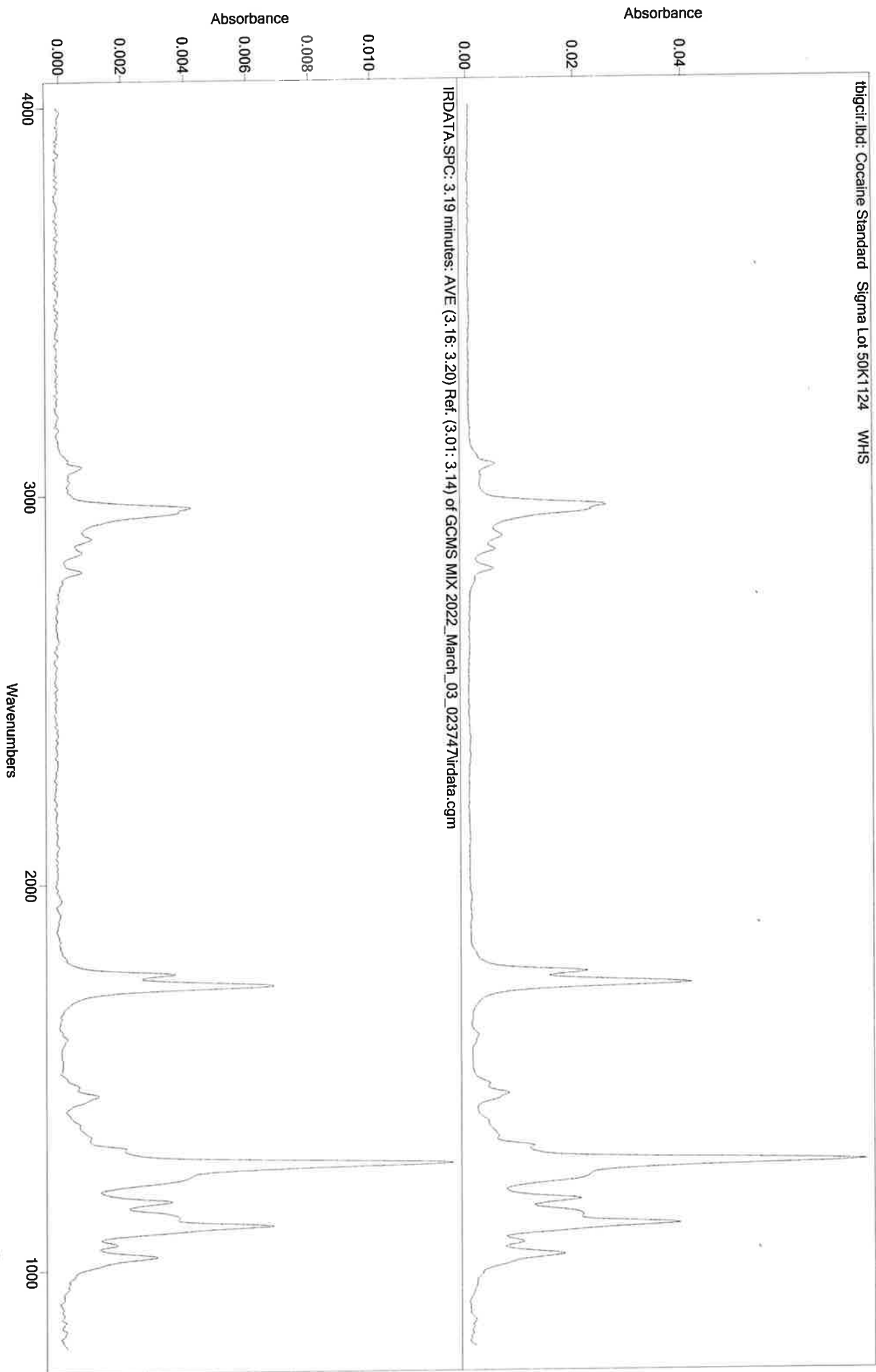
Absorbance

Wavenumbers

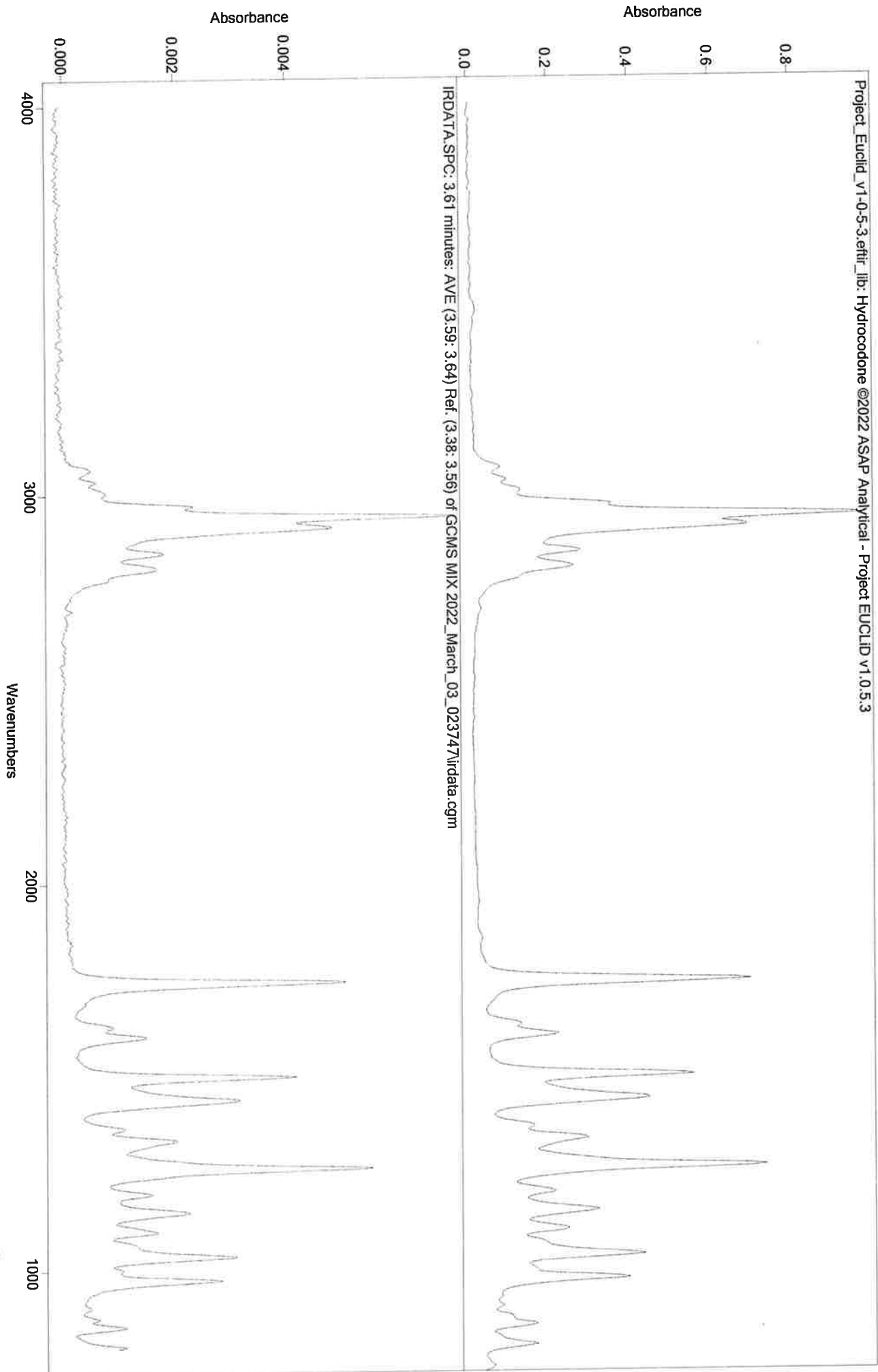
Possible Permethrinated amine DND.



MA



CH



Sequence Name: SPLIT/SPLITLESS AUTO IRD3 EXT METHOD PC 3-8-22

YH

Sample Path: C:\ASAP DATA\PERFORMANCE CHECK\SPLIT SPLITLESS IRD3 EXT METHOD

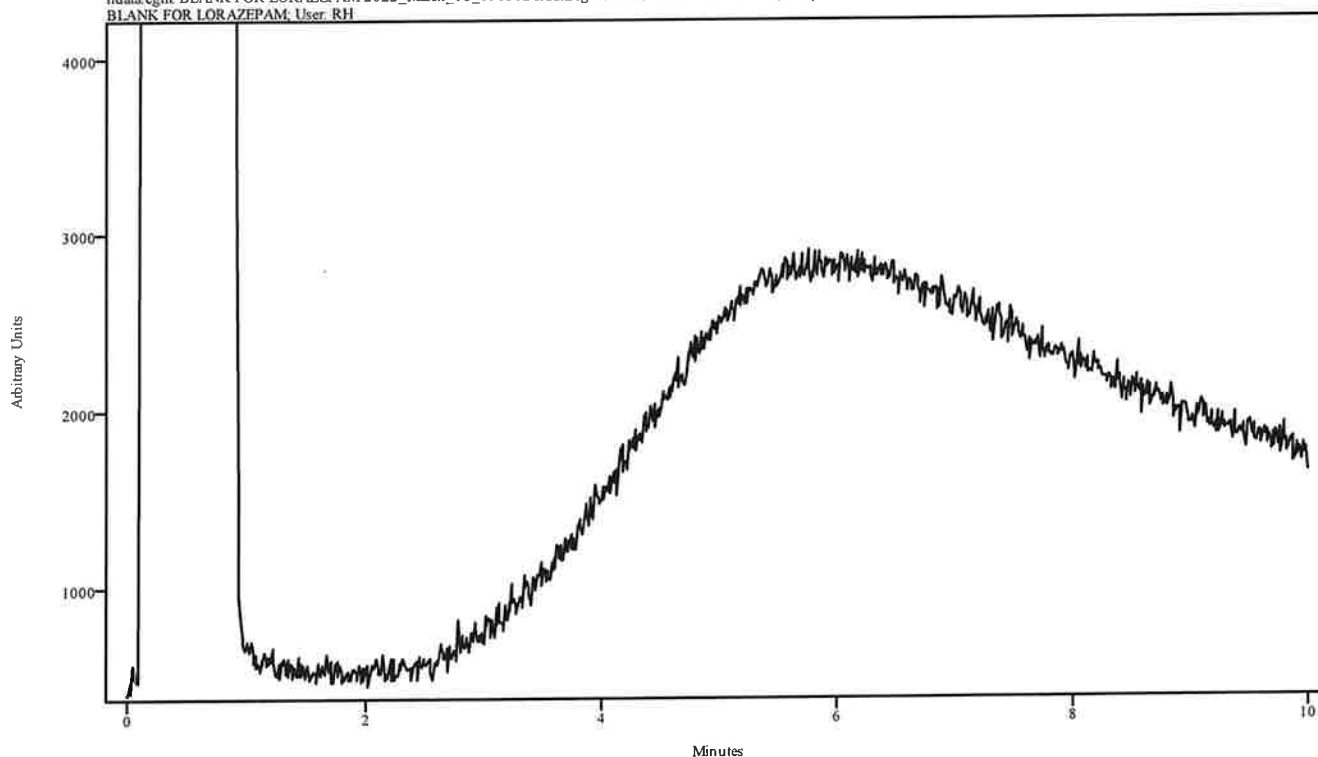
Type	IRD Method	GC Method	Vial	Sample ID	Data File	Solvent/Extract	Instrument ID
1	IRD3 EXT	SL90TO270	1	BLANK FOR	BLANK FOR	MEOH	CURIE
2	IRD3 EXT	SL90TO270	3	LORAZEPAM	LORAZEPAM	MEOH	CURIE
3	IRD3 EXT	200TO270(3	1	BLANK FOR	BLANK FOR	MEOH	CURIE
4	IRD3 EXT	200TO270(3	4	NANDROLONE	NANDROLONE	MEOH	CURIE
5	IRD3 EXT	90TO270@35	1	BLANK FOR	BLANK FOR	MEOH	CURIE
6	IRD3 EXT	90TO270@35	5	XYLAZINE	XYLAZINE \$	MEOH	CURIE
7	IRD3 EXT	200TO270(2	1	BLANK FOR	BLANK FOR	MEOH	CURIE
8	IRD3 EXT	200TO270(2	6	TESTOSTERO	TESTOST BE	MEOH	CURIE
9	IRD3 EXT	200TO270	1	BLANK FOR	BLANK FOR	MEOH	CURIE
10	IRD3 EXT	200TO270	7	MODAFINIL	MODAFINIL	ACETONITRILE	CURIE
11	IRD3 EXT	90TO270@35	1	BLANK FOR	BLANK FOR	MEOH	CURIE
12	IRD3 EXT	90TO270@35	8	N,N DMT	N,N DMT \$(	MEOH	CURIE
13	IRD3 EXT	90TO270	2	BLANK FOR	BLANK FOR	MEOH	CURIE
14	IRD3 EXT	90TO270	12	AMOBARBITA	AMOBARBITA	MEOH	CURIE
15	IRD3 EXT	90TO270	2	WASH1	WASH1 \$(DA	MEOH	CURIE
16	IRD3 EXT	SL200TO270	2	BLANK FOR	BLANK FOR	MEOH	CURIE
17	IRD3 EXT	SL200TO270	13	MITRAGYNIN	MITRAGYNIN	MEOH	CURIE
18	IRD3 EXT	SL90TO270@	2	BLANK FOR	BLANK FOR	MEOH	CURIE
19	IRD3 EXT	SL90TO270@	14	CARIESPROD	CARIESPROD	MEOH	CURIE
20	IRD3 EXT	SL200TO270	2	BLANK FOR	BLANK FOR	MEOH	CURIE
21	IRD3 EXT	SL200TO270	15	BUPRENORPH	BUPRENORPH	MEOH	CURIE
22	IRD3 EXT	SL200TO270	2	BLANK FOR	BLANK FOR	MEOH	CURIE
23	IRD3 EXT	SL200TO270	16	BROMAZOLAM	BROMAZOLAM	MEOH	CURIE
24	IRD3 EXT	SL90TO270@	2	BLANK FOR	BLANK FOR	MEOH	CURIE
25	IRD3 EXT	SL90TO270@	11	HEROIN	HEROIN \$(D	ACETONITRILE	CURIE
26	IRD3 EXT	SL90TO270(	2	BLANK FOR	BLANK FOR	MEOH	CURIE
27	IRD3 EXT	SL90TO270(	17	GC-MS MIX	GC-MS MIX	MEOH	CURIE
28	IRD3 EXT	90TO270(20	2	BLANK FOR	BLANK FOR	MEOH	CURIE
29	IRD3 EXT	90TO270(20	10	PENTOBARBI	PENTOBARBI	MEOH	CURIE
30	IRD3 EXT	200TO270(3	2	WASH2	WASH2 \$(DA	MEOH	CURIE

MA

IRD Data Analysis Report

Data Filename	BLANK FOR LORAZEPAM 2022_March_08_090502
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT SPLITLESS IRD3 EXT METHOD
IRD Method	IRD3 EXT
GC Method	SL90TO270
GC Vial	1
Sample Name	BLANK FOR LORAZEPAM
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Tue Mar 08 09:17:29 2022
Date Processed	Wed Mar 09 09:20:24 2022

irdata.cgm: BLANK FOR LORAZEPAM 2022_March_08_090502\irdata.cgm : Misc. Info: MEOH:CURIE; Sample: BLANK FOR LORAZEPAM; User: RH

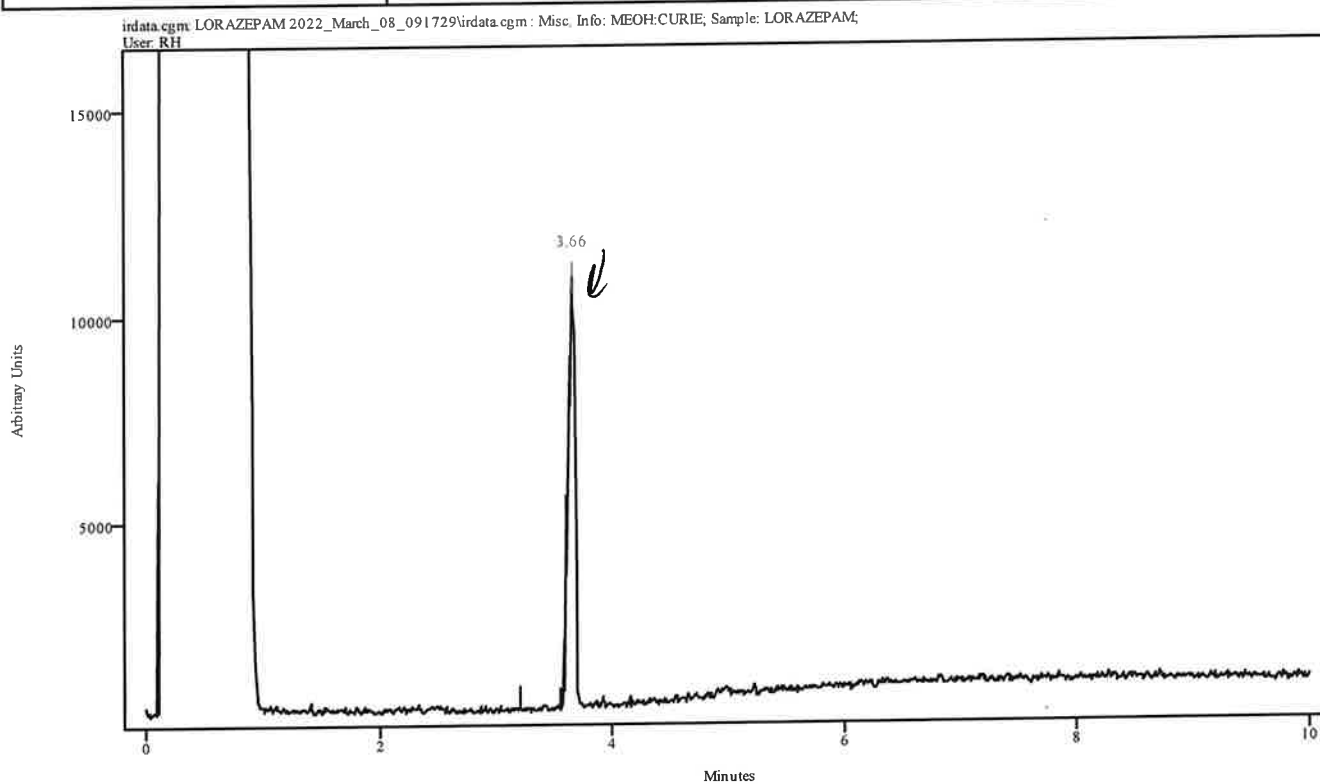


Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

MAH

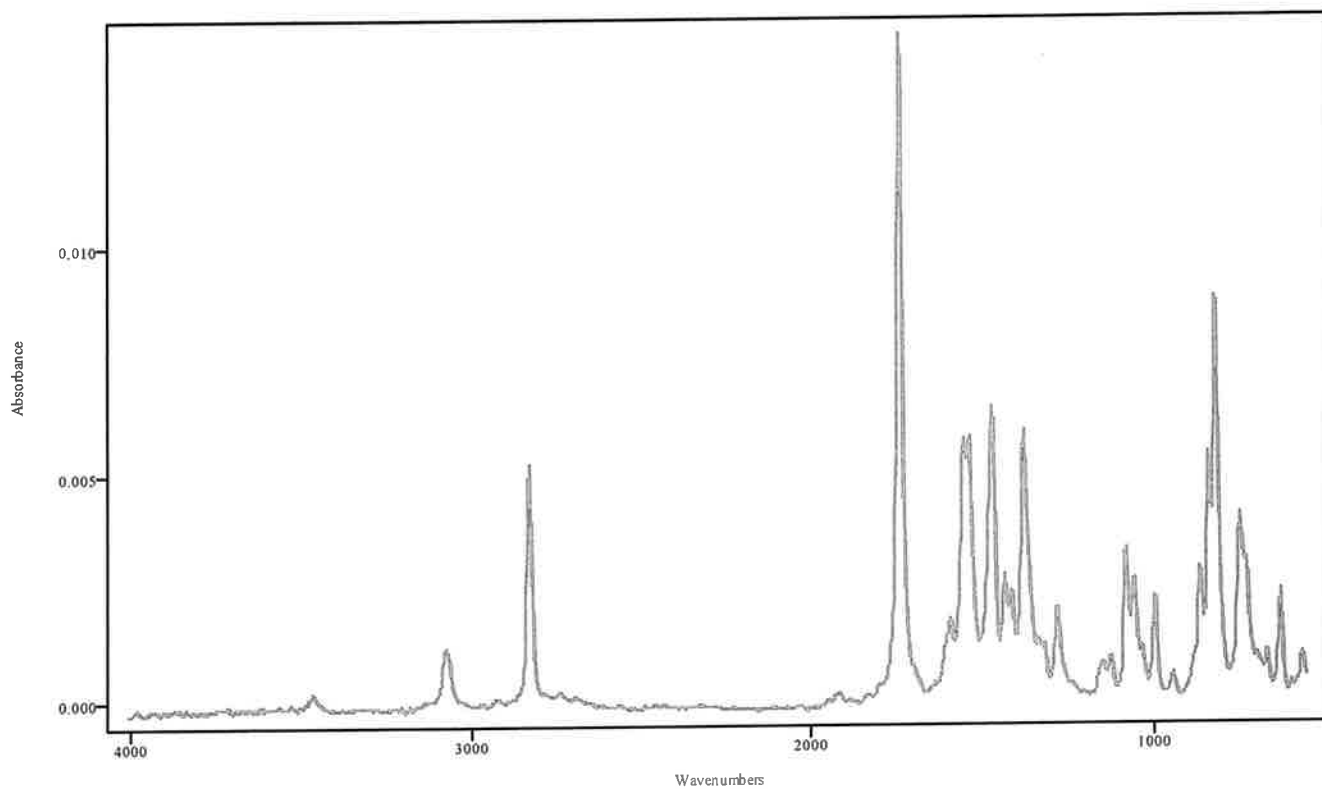
IRD Data Analysis Report

Data Filename	LORAZEPAM 2022_March_08_091729
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT SPLITLESS IRD3 EXT METHOD
IRD Method	IRD3 EXT
GC Method	SL90TO270
GC Vial	3
Sample Name	LORAZEPAM
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Tue Mar 08 09:33:45 2022
Date Processed	Wed Mar 09 09:20:47 2022



Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.614	3.691	0.077	3.208	3.559

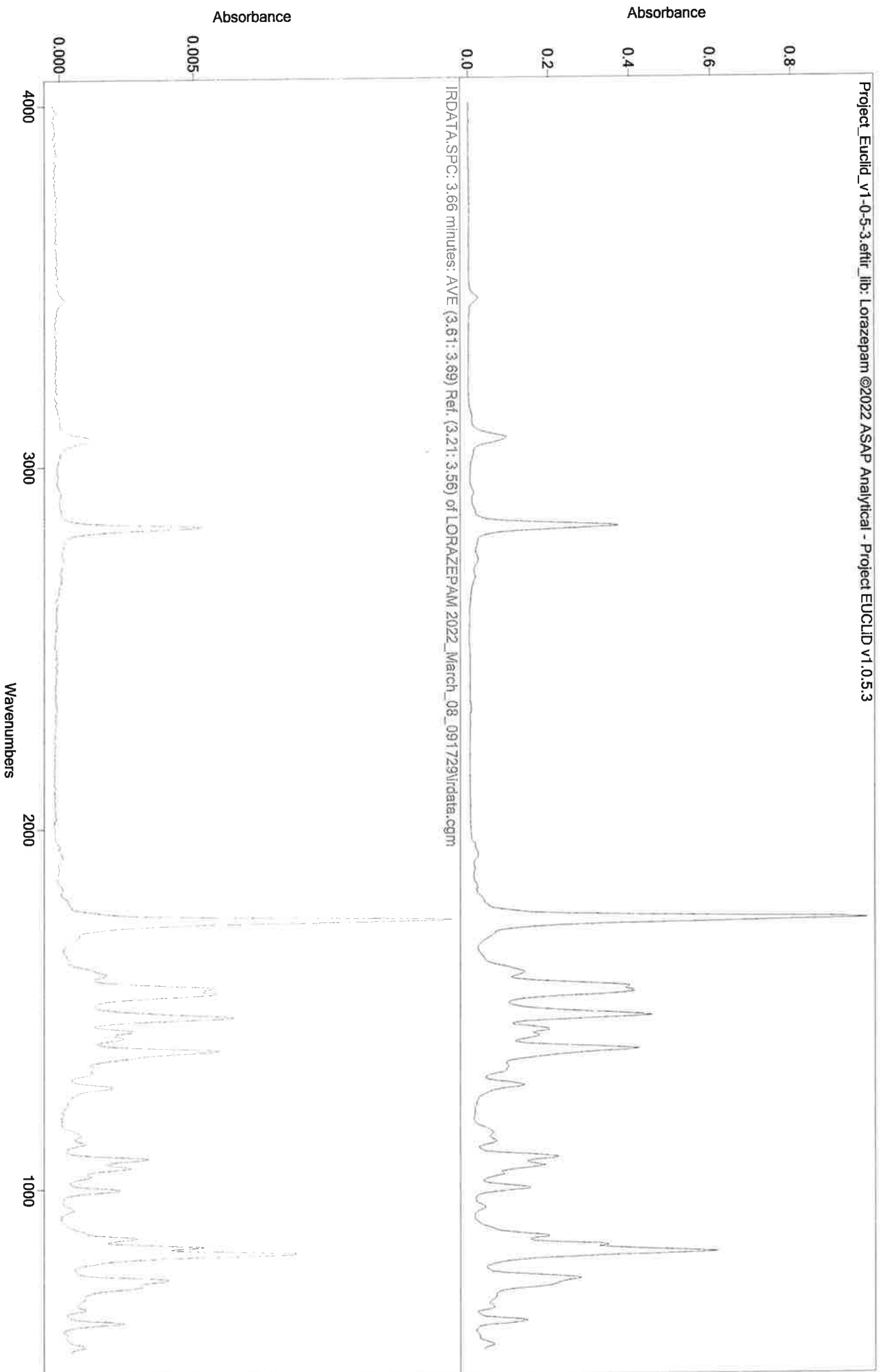
Data Filename	LORAZEPAM 2022_March_08_091729
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT SPLITLESS IRD3 EXT METHOD
IRD Method	IRD3 EXT
GC Method	SL90TO270
GC Vial	3
Sample Name	LORAZEPAM
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Tue Mar 08 09:33:45 2022
Date Processed	Wed Mar 09 09:20:47 2022



IRDATA.SPC: 3.66 minutes: AVE (3.61: 3.69) Ref. (3.21: 3.56) of LORAZEPAM
 2022_March_08_091729.cgm

Lorazepam

WAT

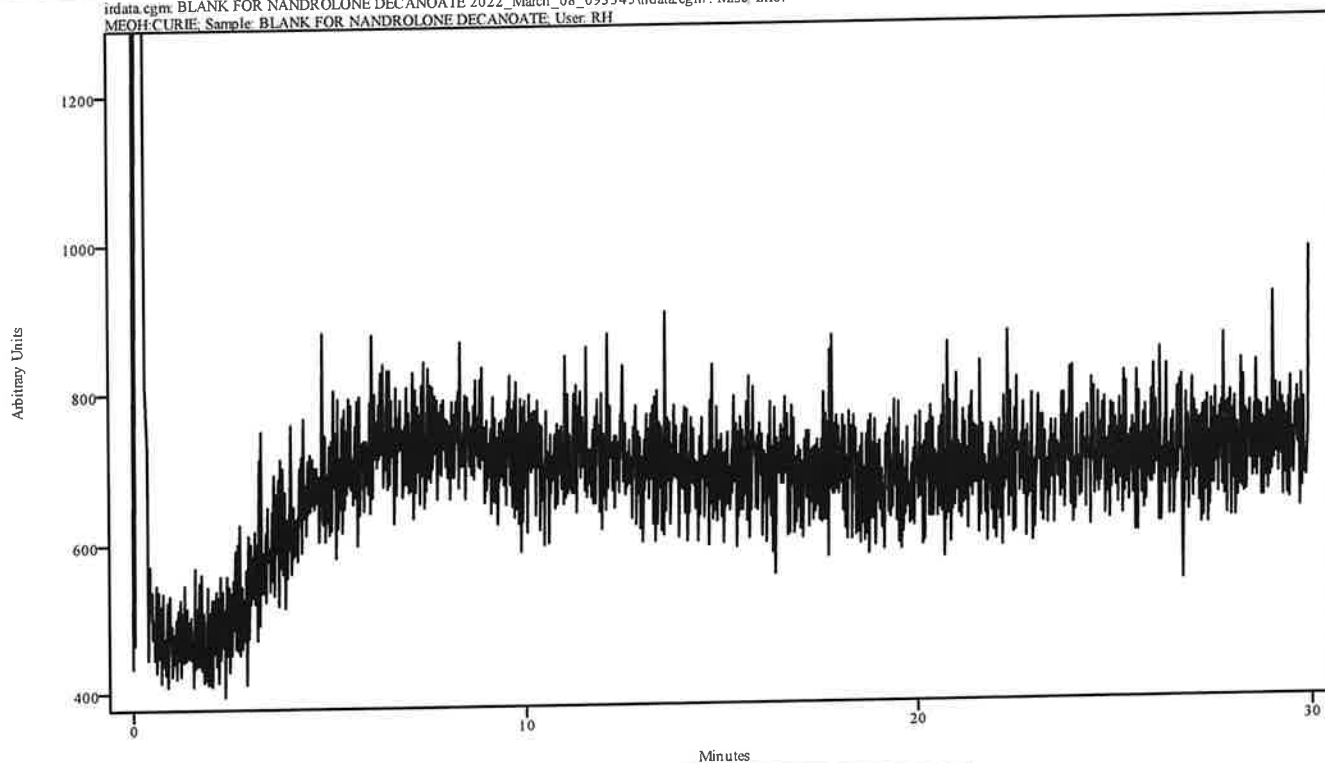


UHF

IRD Data Analysis Report

Data Filename	BLANK FOR NANDROLONE DECANOATE 2022_March_08_093345
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT SPLITLESS IRD3 EXT METHOD
IRD Method	IRD3 EXT
GC Method	200TO270(30MIN)
GC Vial	1
Sample Name	BLANK FOR NANDROLONE DECANOATE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Tue Mar 08 10:09:29 2022
Date Processed	Wed Mar 09 09:23:43 2022

irdata.cgm: BLANK FOR NANDROLONE DECANOATE 2022_March_08_093345\irdata.cgm : Misc. Info:
MEOH:CURIE, Sample: BLANK FOR NANDROLONE DECANOATE, User: RH



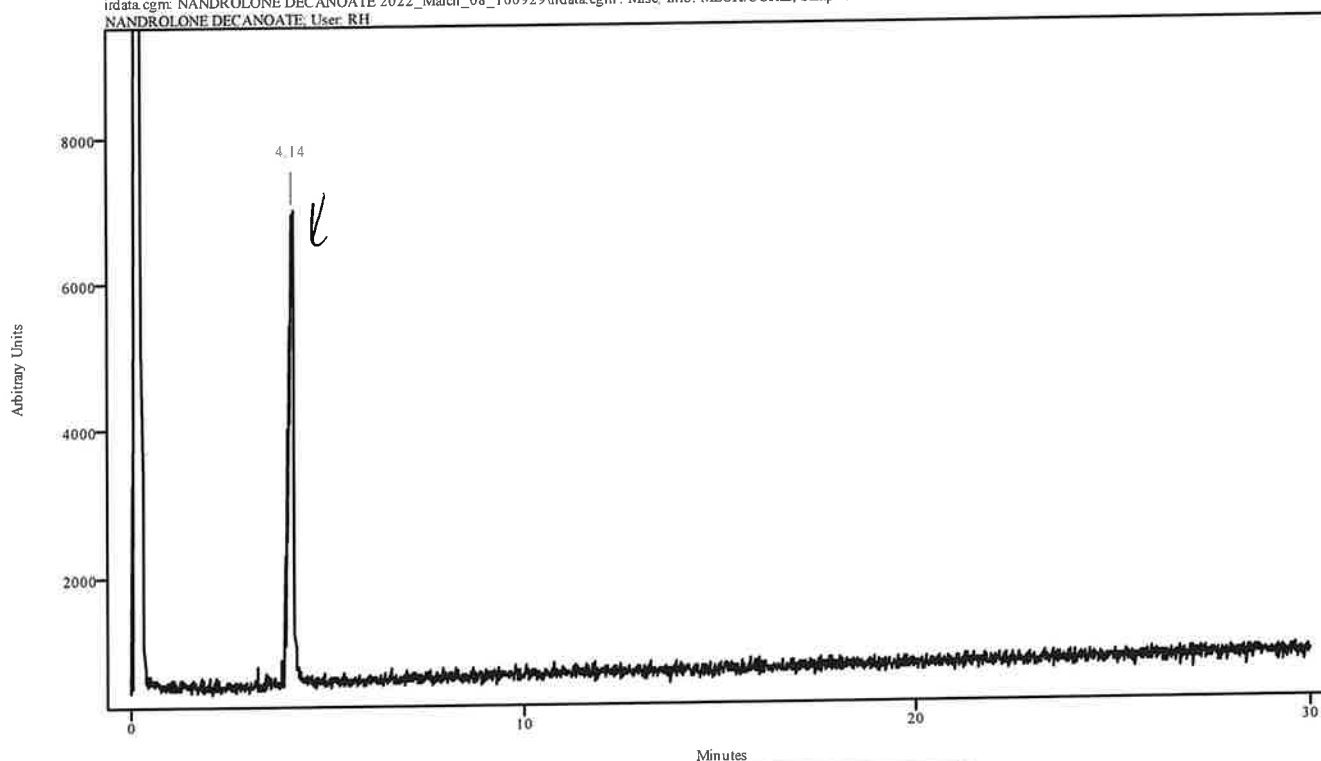
Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

Handwritten initials: JH

IRD Data Analysis Report

Data Filename	NANDROLONE DECANOATE 2022_March_08_100929
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT SPLITLESS IRD3 EXT METHOD
IRD Method	IRD3 EXT
GC Method	200TO270(30MIN)
GC Vial	4
Sample Name	NANDROLONE DECANOATE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Tue Mar 08 10:44:58 2022
Date Processed	Wed Mar 09 09:24:17 2022

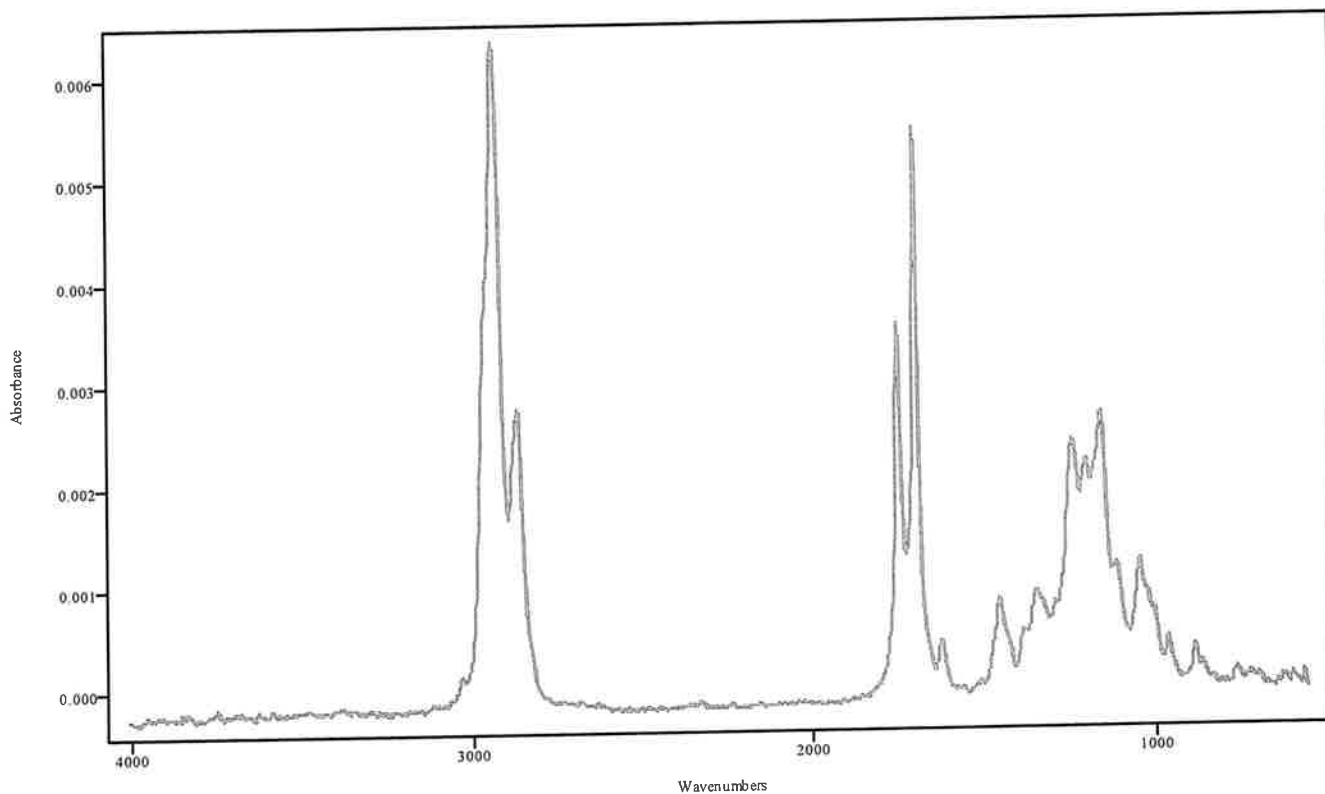
irdata.cgm: NANDROLONE DECANOATE 2022_March_08_100929\irdata.cgm : Misc. Info: MEOH:CURIE; Sample: NANDROLONE DECANOATE; User: RH



Peak Start	Peak End	Peak Width	Reference Start	Reference End
4.031	4.174	0.143	3.251	3.866

MH

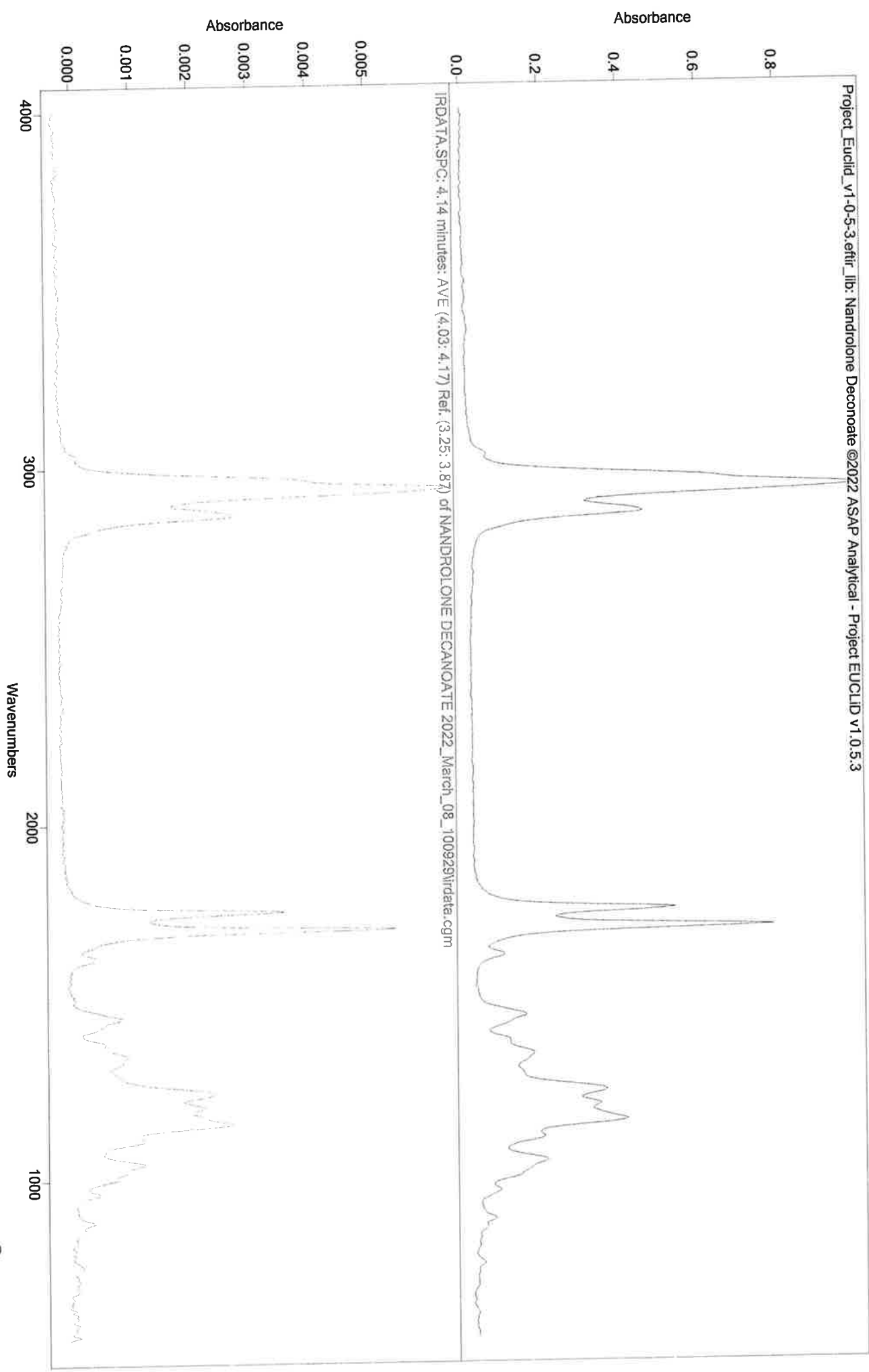
Data Filename	NANDROLONE DECANOATE 2022_March_08_100929
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT SPLITLESS IRD3 EXT METHOD
IRD Method	IRD3 EXT
GC Method	200TO270(30MIN)
GC Vial	4
Sample Name	NANDROLONE DECANOATE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Tue Mar 08 10:44:58 2022
Date Processed	Wed Mar 09 09:24:17 2022



IRDATA.SPC: 4.14 minutes: AVE (4.03: 4.17) Ref. (3.25: 3.87) of NANDROLONE DECANOATE
 2022_March_08_100929.cgm

Nandrolone Decanoate

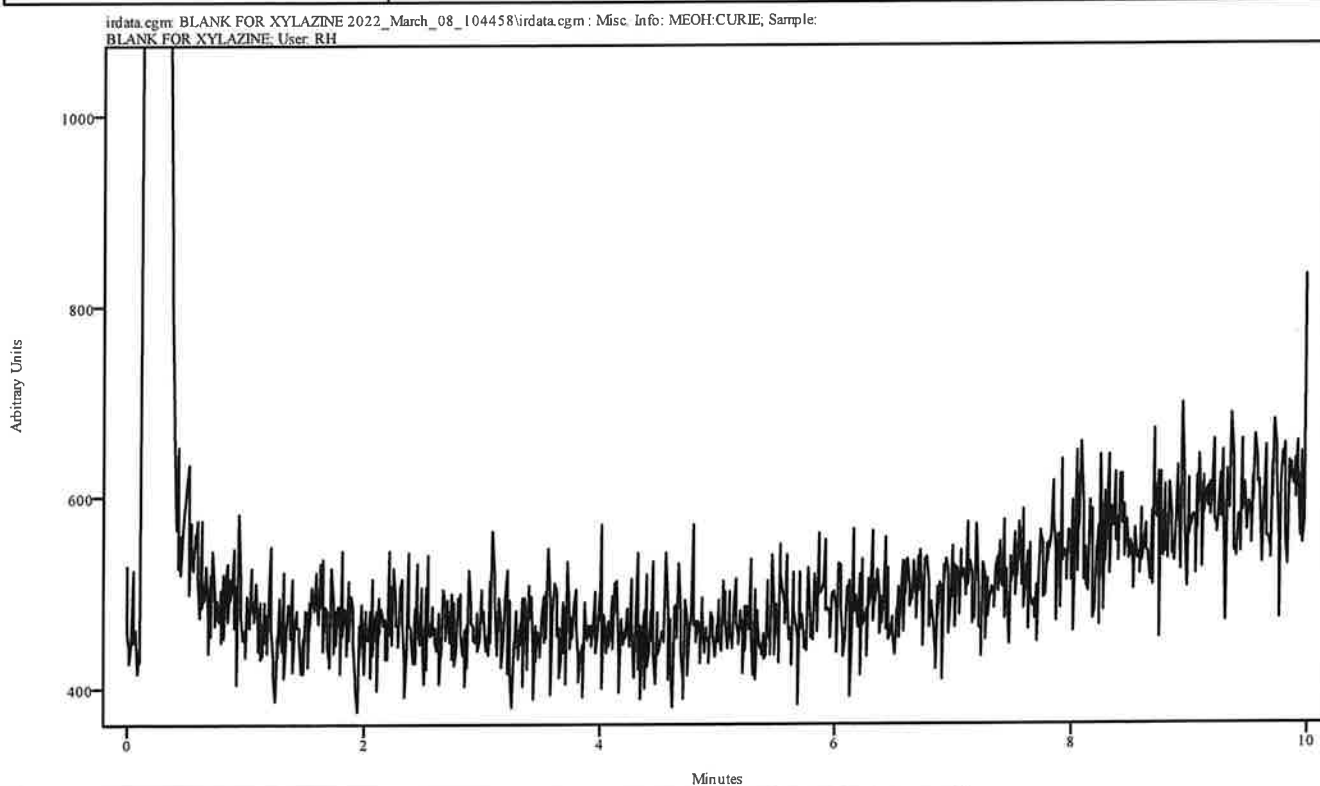
MA



IRD Data Analysis Report

MF

Data Filename	BLANK FOR XYLAZINE 2022_March_08_104458
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT SPLITLESS IRD3 EXT METHOD
IRD Method	IRD3 EXT
GC Method	90TO270@35C
GC Vial	1
Sample Name	BLANK FOR XYLAZINE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Tue Mar 08 11:01:32 2022
Date Processed	Wed Mar 09 09:27:13 2022

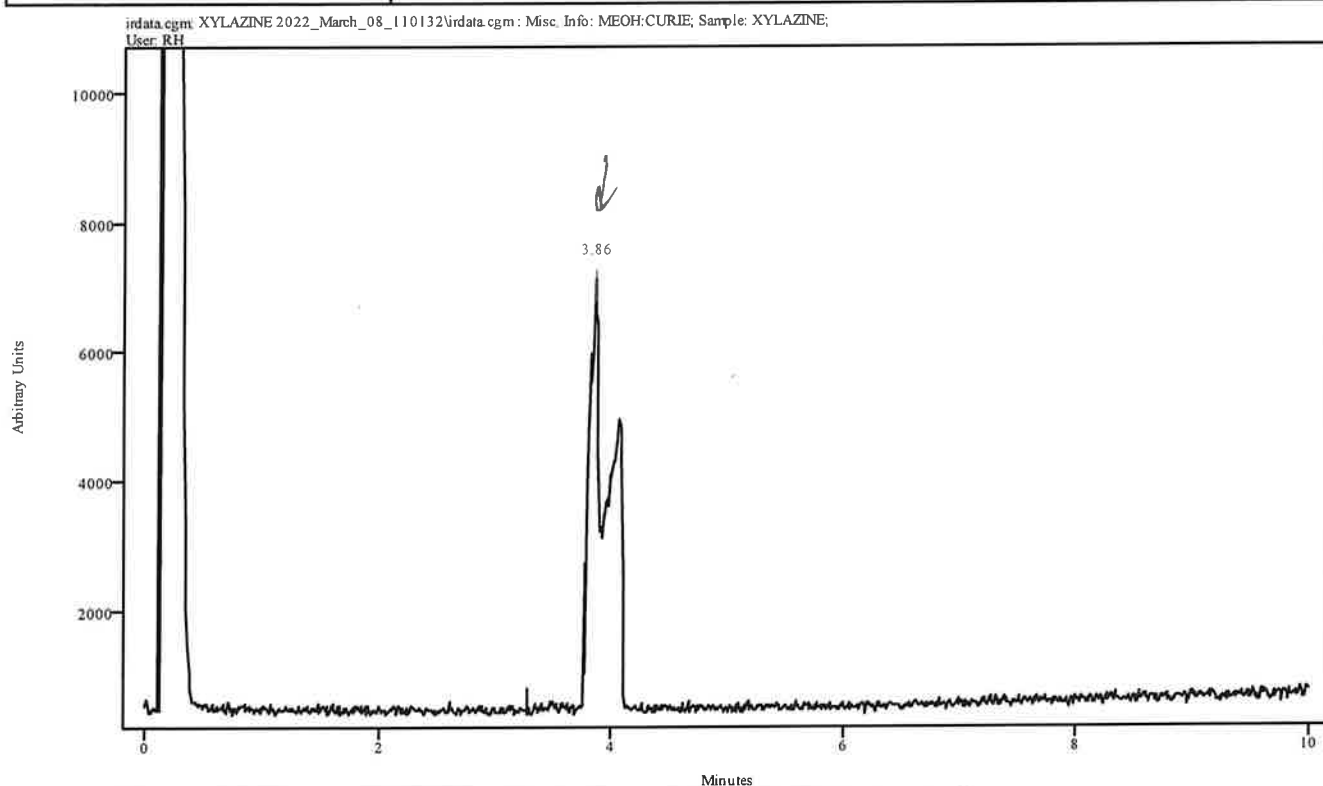


Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

RH

IRD Data Analysis Report

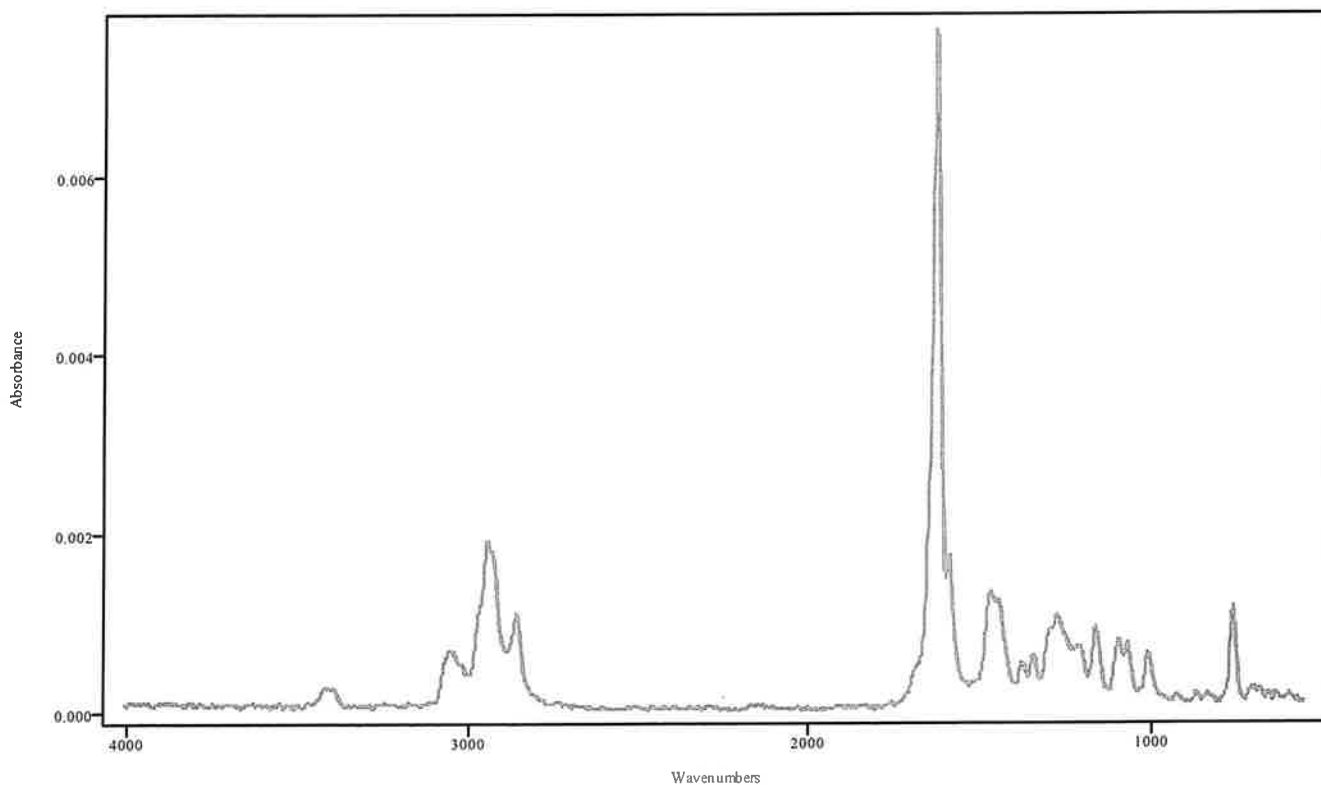
Data Filename	XYLAZINE 2022_March_08_110132
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT SPLITLESS IRD3 EXT METHOD
IRD Method	IRD3 EXT
GC Method	90TO270@35C
GC Vial	5
Sample Name	XYLAZINE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Tue Mar 08 11:17:49 2022
Date Processed	Wed Mar 09 09:27:47 2022



Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.782	4.101	0.318	3.267	3.749

114

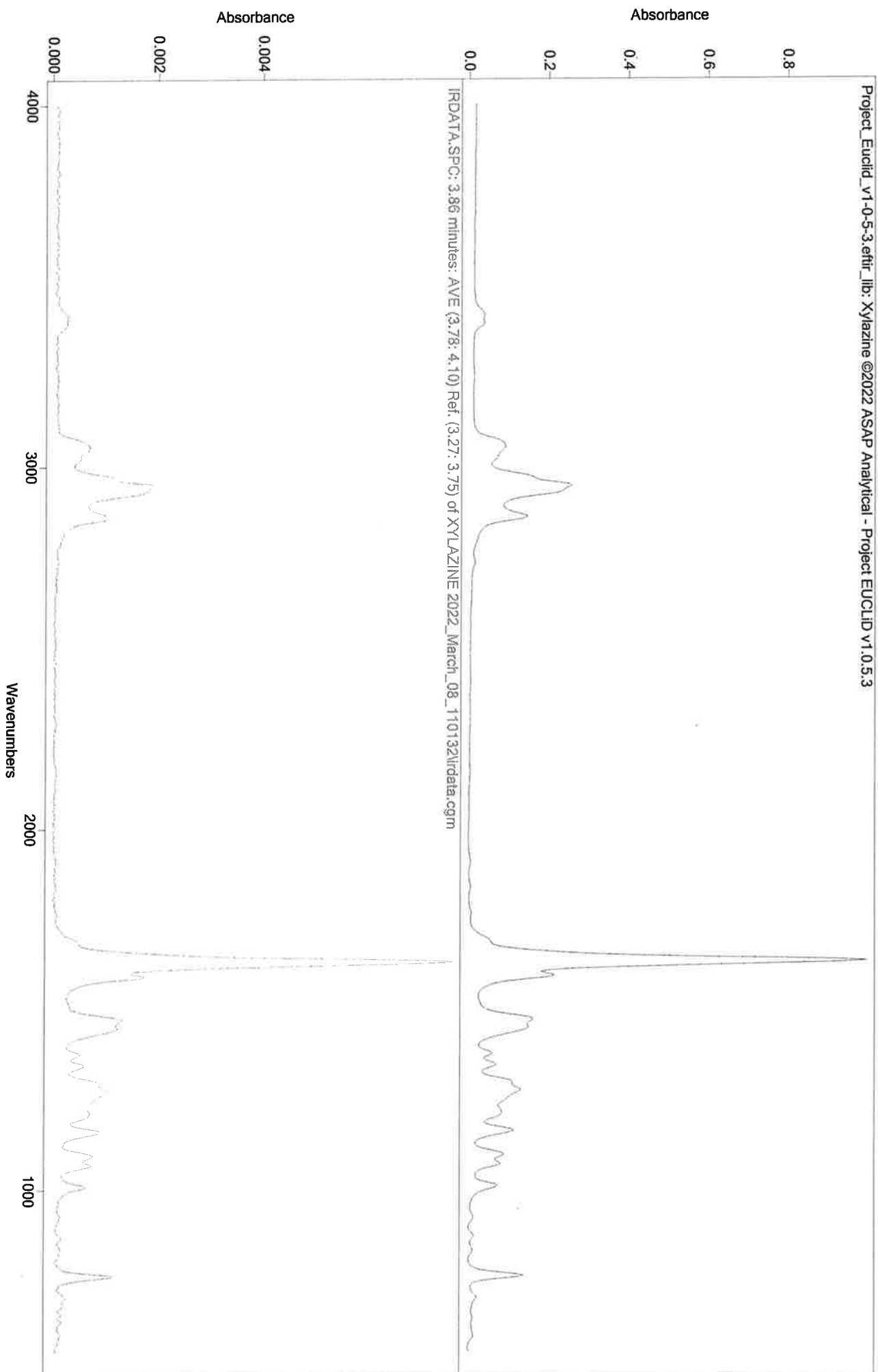
Data Filename	XYLAZINE 2022_March_08_110132
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT SPLITLESS IRD3 EXT METHOD
IRD Method	IRD3 EXT
GC Method	90TO270@35C
GC Vial	5
Sample Name	XYLAZINE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Tue Mar 08 11:17:49 2022
Date Processed	Wed Mar 09 09:27:47 2022



IRDATA.SPC: 3.86 minutes: AVE (3.78: 4.10) Ref. (3.27: 3.75) of XYLAZINE
2022_March_08_110132.cgm

xyazine

W4

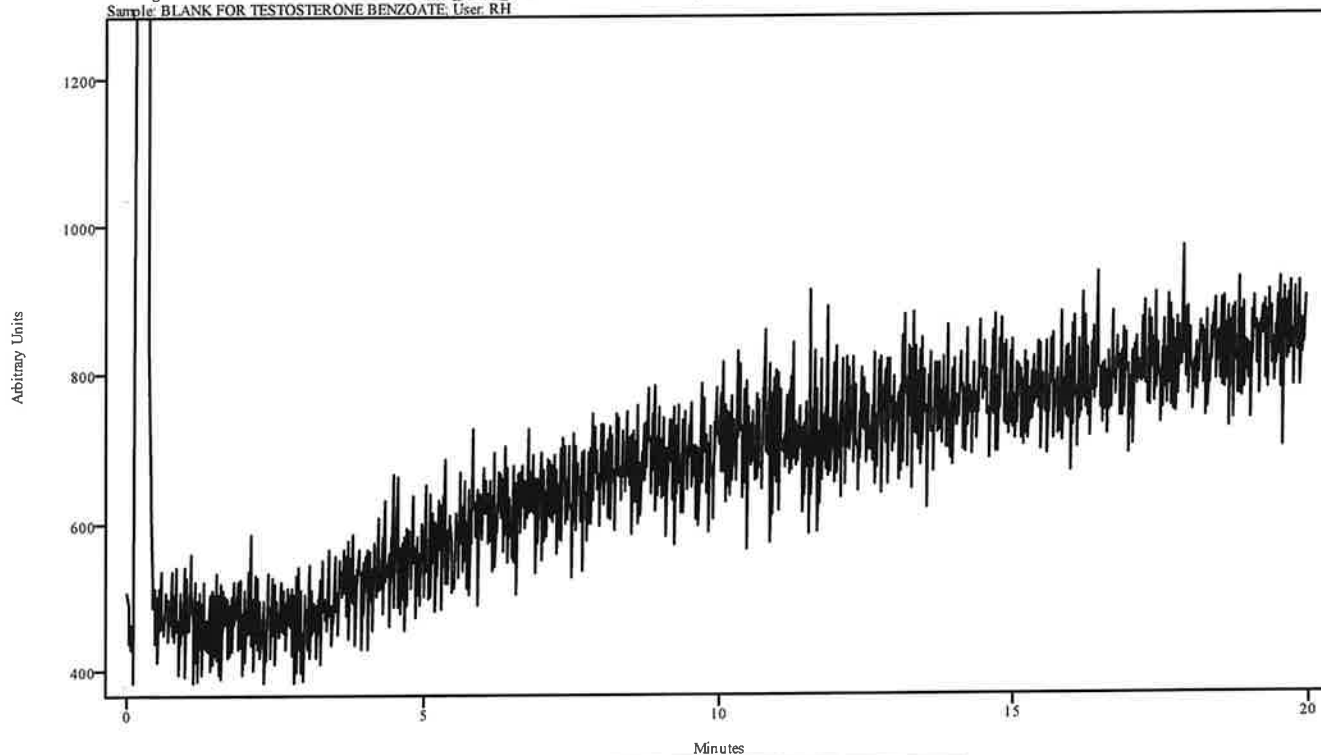


IRD Data Analysis Report

MA

Data Filename	BLANK FOR TESTOST BENZOATE 2022_March_08_111749
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT SPLITLESS IRD3 EXT METHOD
IRD Method	IRD3 EXT
GC Method	200TO270(20MIN)
GC Vial	1
Sample Name	BLANK FOR TESTOSTERONE BENZOATE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Tue Mar 08 11:43:44 2022
Date Processed	Wed Mar 09 09:25:32 2022

irdata.cgm: BLANK FOR TESTOST BENZOATE 2022_March_08_111749\irdata.cgm : Misc. Info: MEOH:CURIE;
Sample: BLANK FOR TESTOSTERONE BENZOATE; User: RH

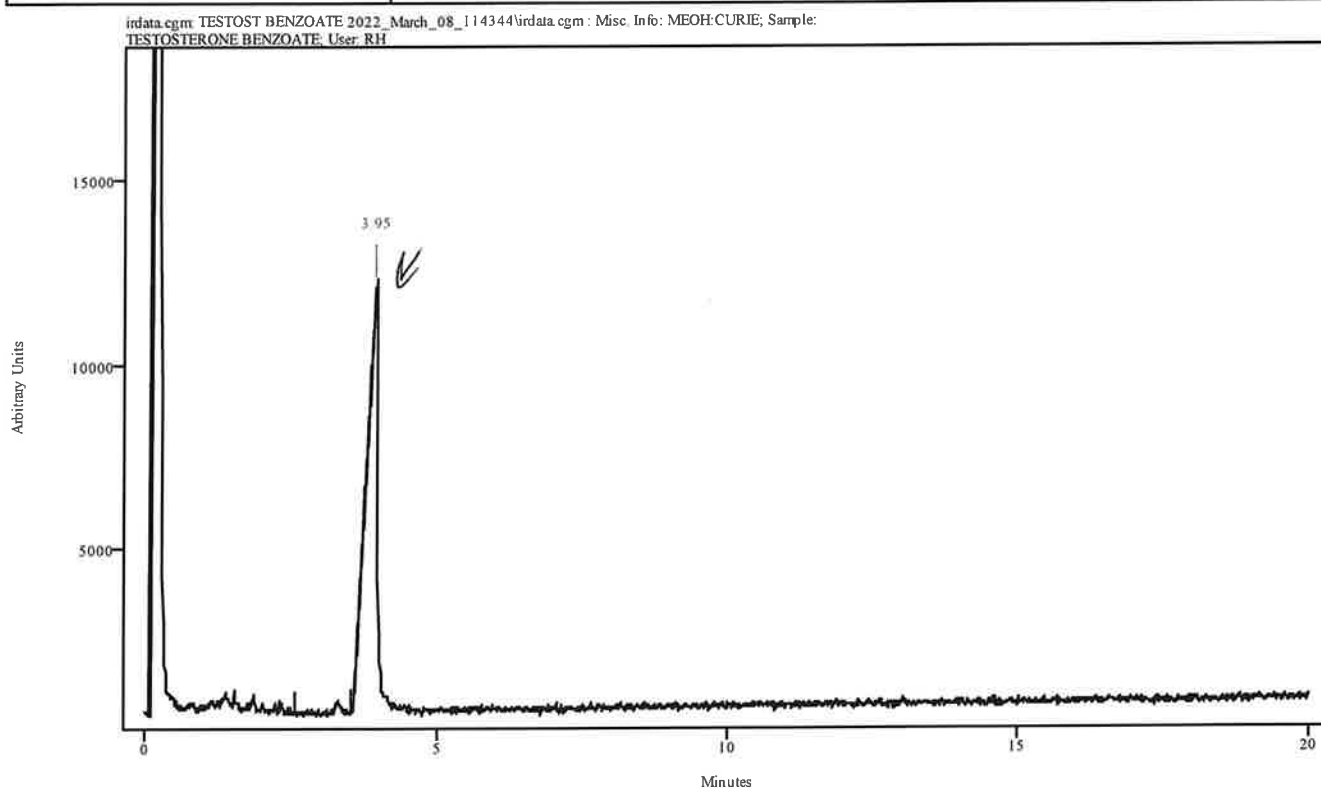


Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

AA

IRD Data Analysis Report

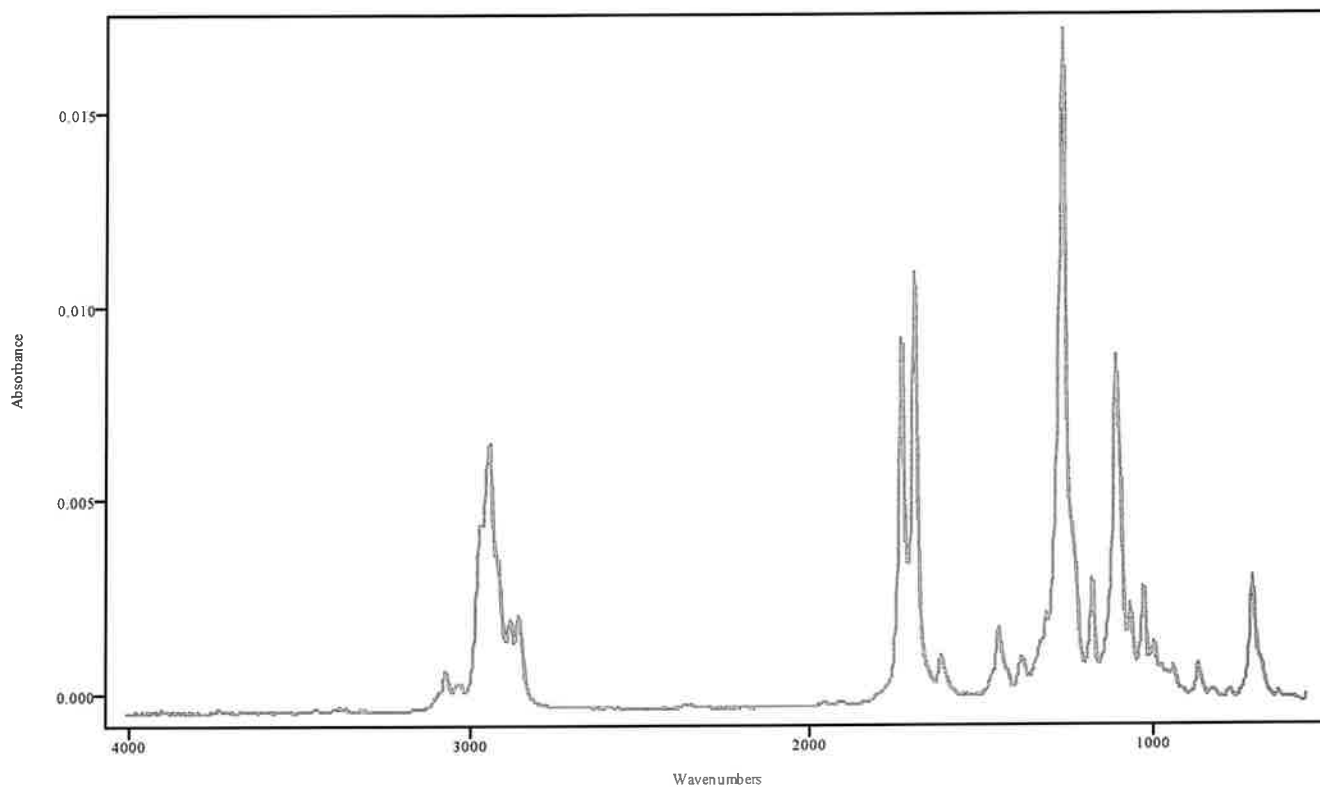
Data Filename	TESTOST BENZOATE 2022_March_08_114344
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT SPLITLESS IRD3 EXT METHOD
IRD Method	IRD3 EXT
GC Method	200TO270(20MIN)
GC Vial	6
Sample Name	TESTOSTERONE BENZOATE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Tue Mar 08 12:09:11 2022
Date Processed	Wed Mar 09 11:13:08 2022



Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.753	3.984	0.230	2.568	3.534

YH

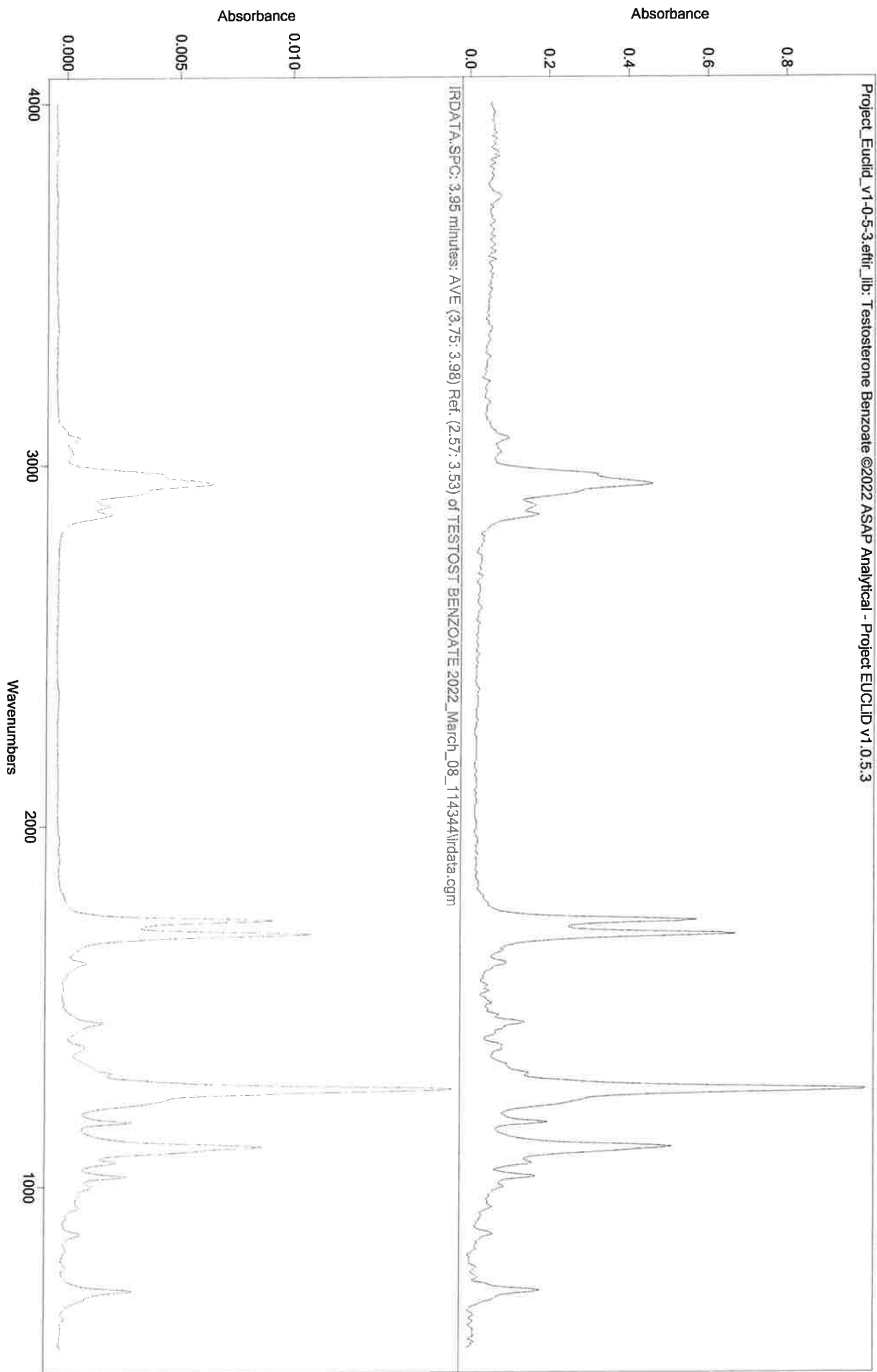
Data Filename	TESTOST BENZOATE 2022_March_08_114344
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT SPLITLESS IRD3 EXT METHOD
IRD Method	IRD3 EXT
GC Method	200TO270(20MIN)
GC Vial	6
Sample Name	TESTOSTERONE BENZOATE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Tue Mar 08 12:09:11 2022
Date Processed	Wed Mar 09 11:13:08 2022



IRDATA.SPC: 3.95 minutes: AVE (3.75: 3.98) Ref. (2.57: 3.53) of TESTOST BENZOATE
2022_March_08_114344.cgm

Testosterone Benzoate

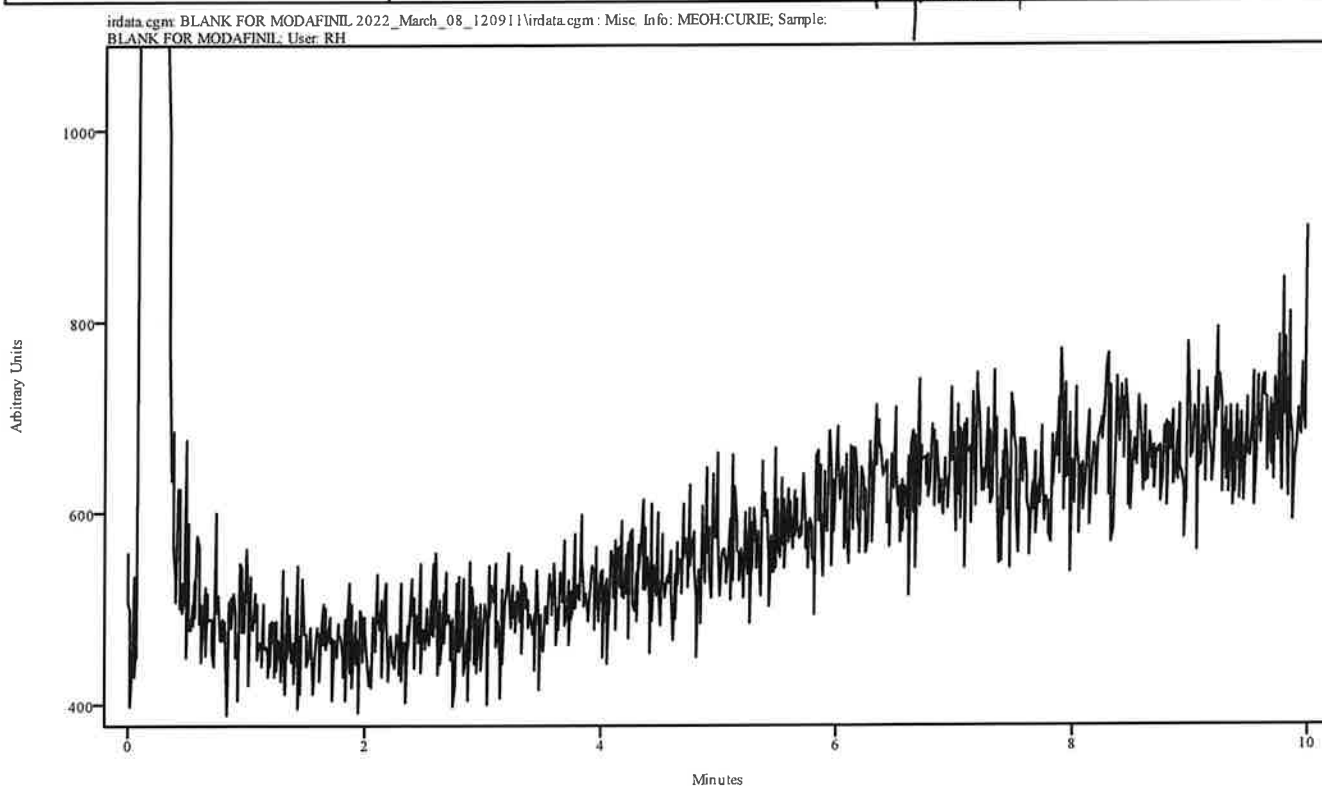
44



Handwritten signature

IRD Data Analysis Report

Data Filename	BLANK FOR MODAFINIL 2022_March_08_120911
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT SPLITLESS IRD3 EXT METHOD
IRD Method	IRD3 EXT
GC Method	200TO270
GC Vial	1
Sample Name	BLANK FOR MODAFINIL
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Tue Mar 08 12:24:35 2022
Date Processed	Wed Mar 09 11:11:10 2022 <i>Reprinted</i>



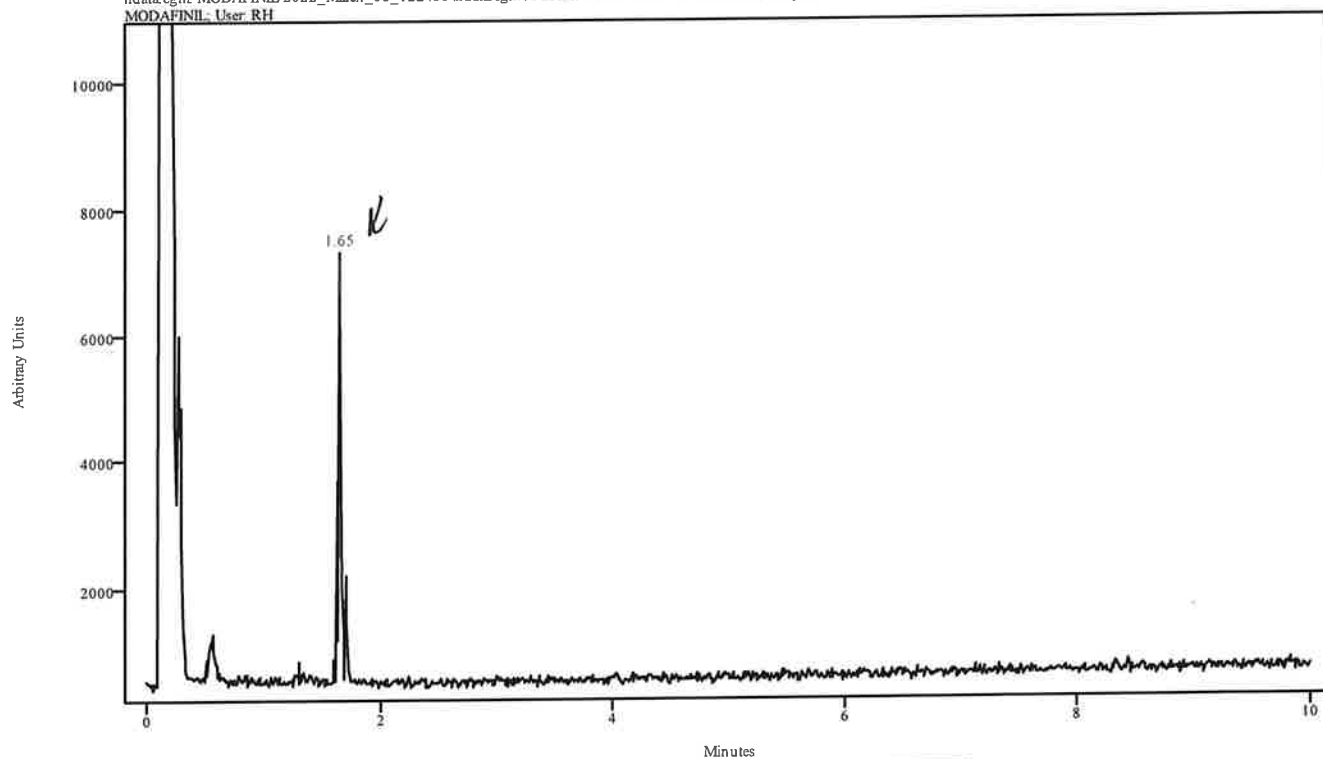
Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

MA

IRD Data Analysis Report

Data Filename	MODAFINIL 2022_March_08_122435
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT SPLITLESS IRD3 EXT METHOD
IRD Method	IRD3 EXT
GC Method	200TO270
GC Vial	7
Sample Name	MODAFINIL
Misc. Info	ACETONITRILE:CURIE
User ID	RH
Injection Time	Tue Mar 08 12:40:03 2022
Date Processed	Wed Mar 09 09:22:23 2022

irdata.cgm: MODAFINIL 2022_March_08_122435\irdata.cgm : Misc. Info: ACETONITRILE:CURIE; Sample: MODAFINIL; User: RH

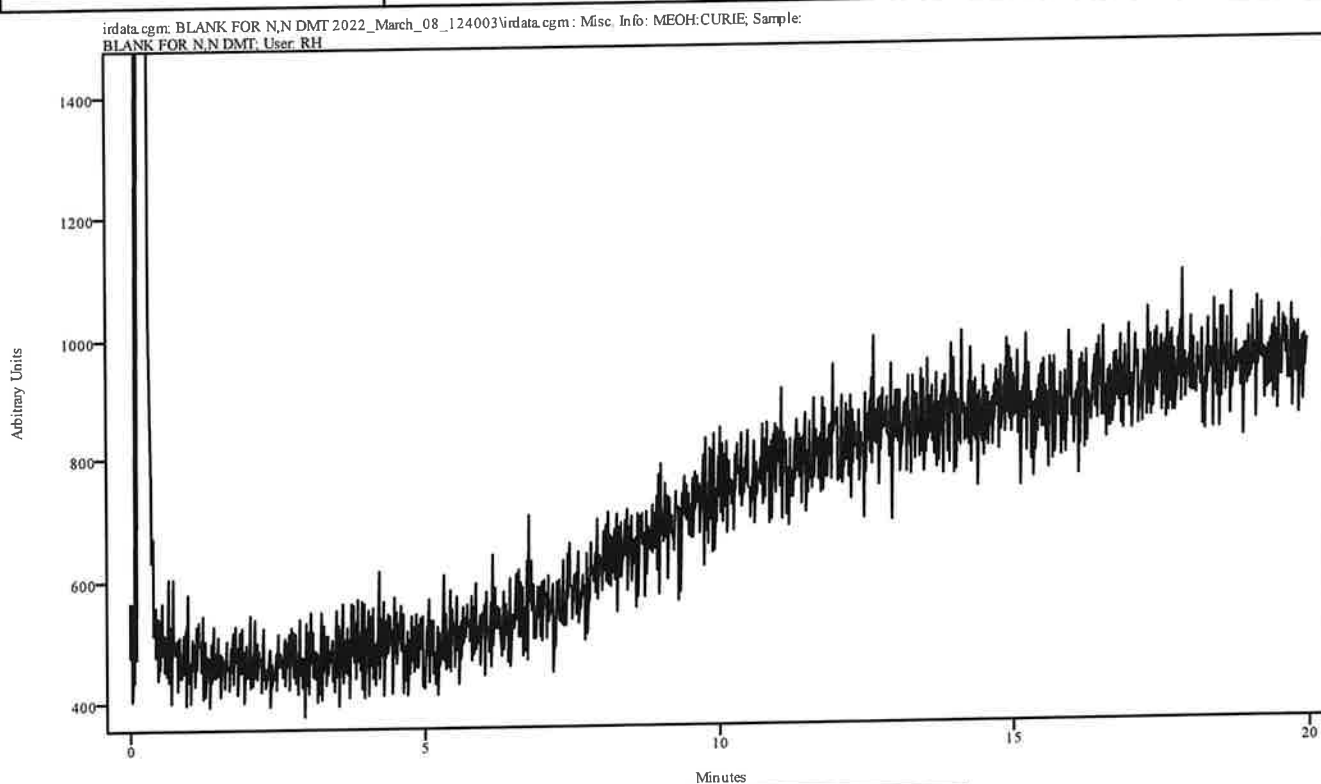


Peak Start	Peak End	Peak Width	Reference Start	Reference End
1.635	1.670	0.033	1.296	1.604

JK

IRD Data Analysis Report

Data Filename	BLANK FOR N,N DMT 2022_March_08_124003
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT SPLITLESS IRD3 EXT METHOD
IRD Method	IRD3 EXT
GC Method	90TO270@35C(20MIN)
GC Vial	1
Sample Name	BLANK FOR N,N DMT
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Tue Mar 08 13:06:36 2022
Date Processed	Wed Mar 09 09:22:42 2022

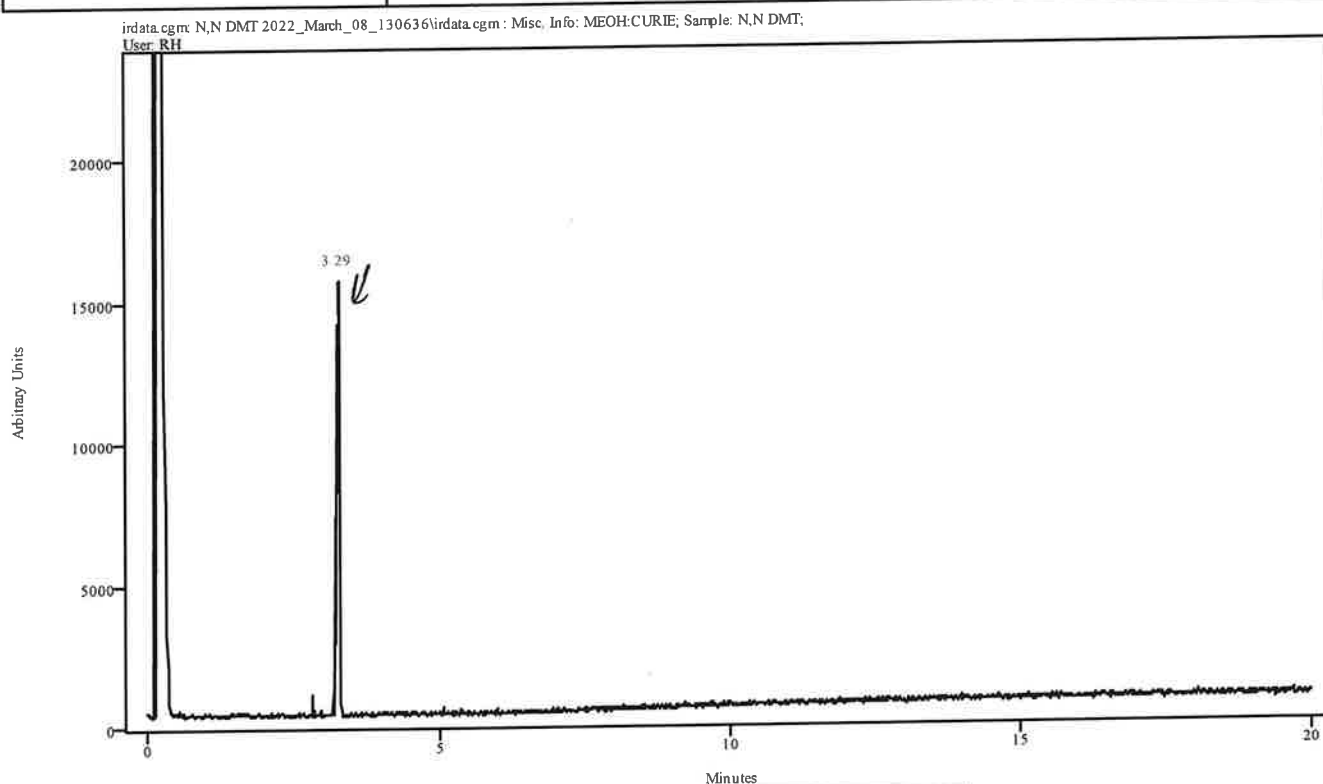


Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

CH

IRD Data Analysis Report

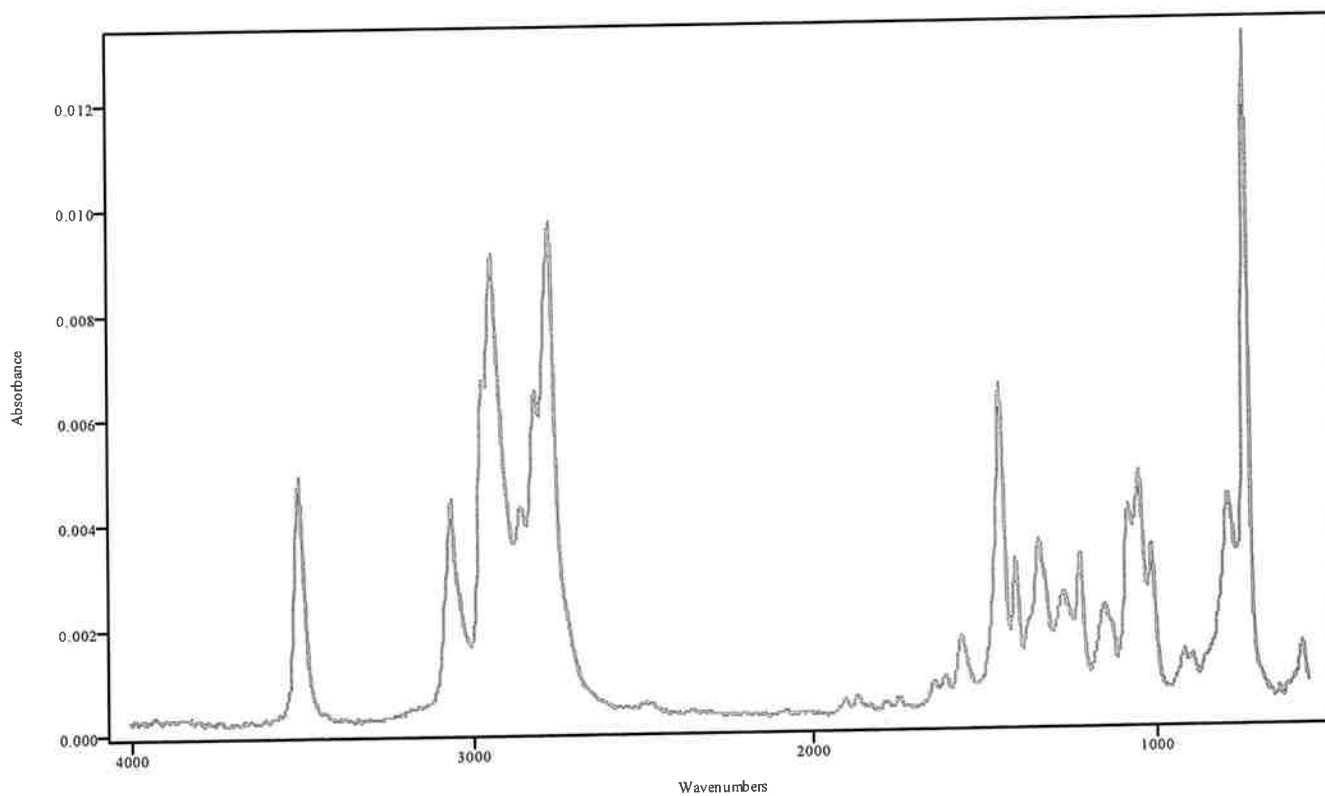
Data Filename	N,N DMT 2022_March_08_130636
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT SPLITLESS IRD3 EXT METHOD
IRD Method	IRD3 EXT
GC Method	90TO270@35C(20MIN)
GC Vial	8
Sample Name	N,N DMT
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Tue Mar 08 13:32:58 2022
Date Processed	Wed Mar 09 09:23:17 2022



Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.242	3.319	0.077	2.835	3.187

JA

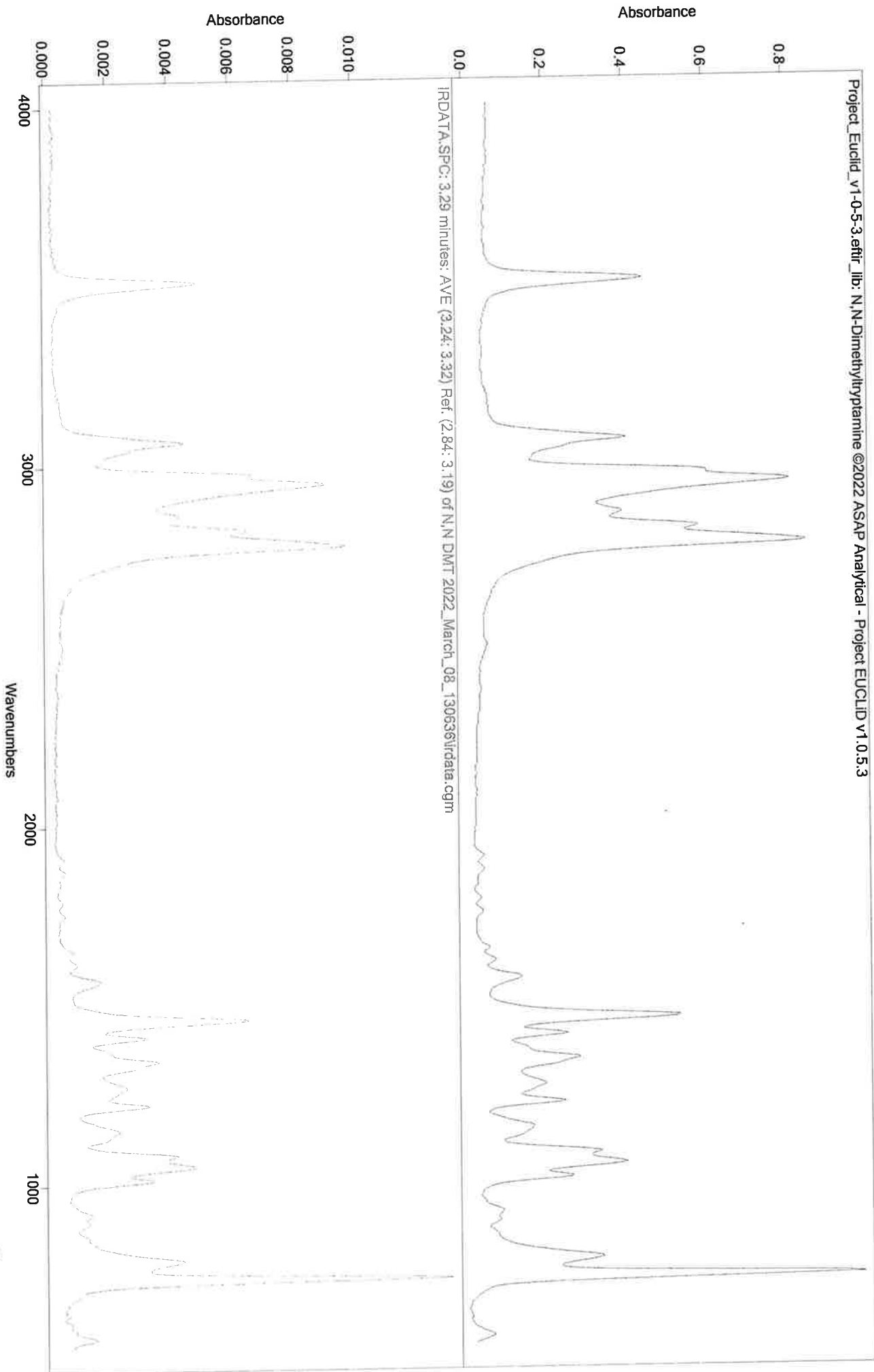
Data Filename	N,N DMT 2022_March_08_130636
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT SPLITLESS IRD3 EXT METHOD
IRD Method	IRD3 EXT
GC Method	90TO270@35C(20MIN)
GC Vial	8
Sample Name	N,N DMT
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Tue Mar 08 13:32:58 2022
Date Processed	Wed Mar 09 09:23:17 2022



IRDATA.SPC: 3.29 minutes: AVE (3.24: 3.32) Ref. (2.84: 3.19) of N,N DMT
2022_March_08_130636.cgm

N,N DMT

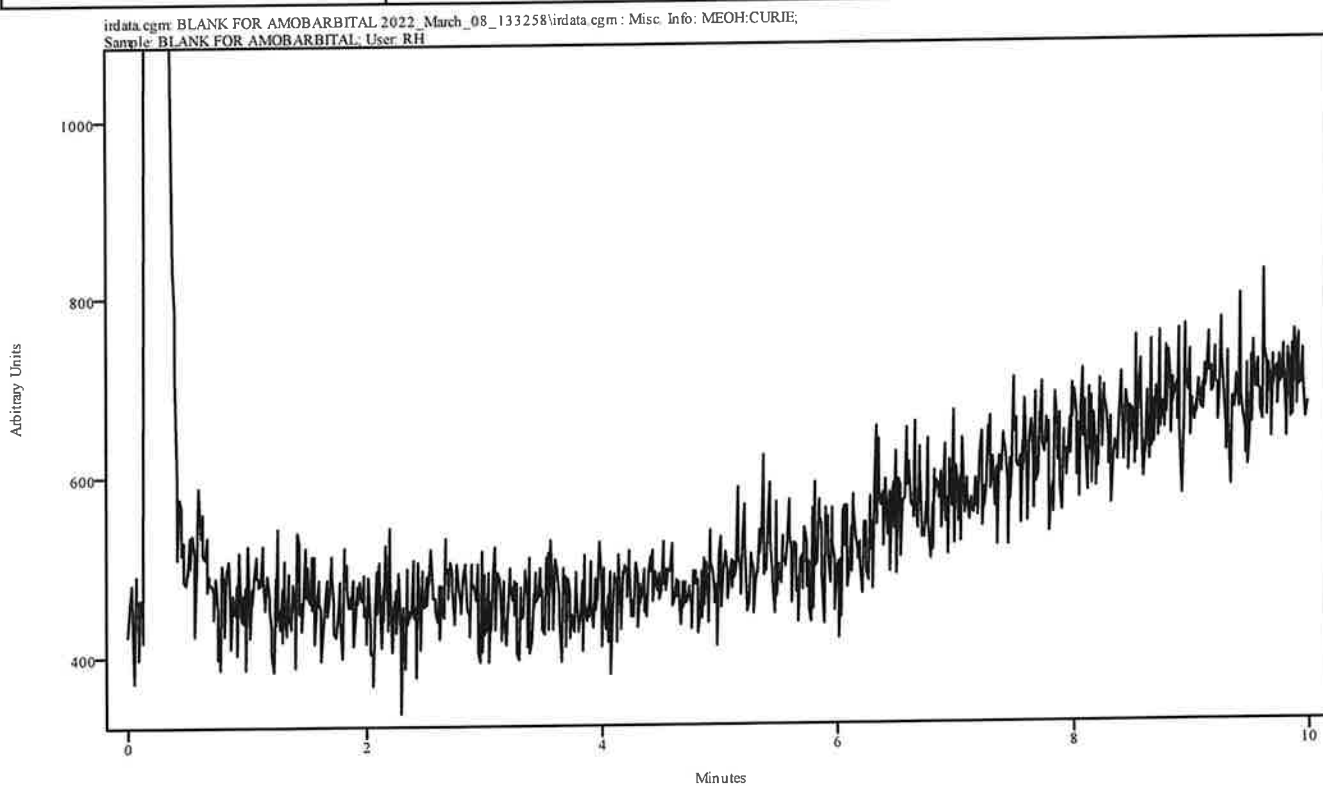
ML



[Handwritten signature]

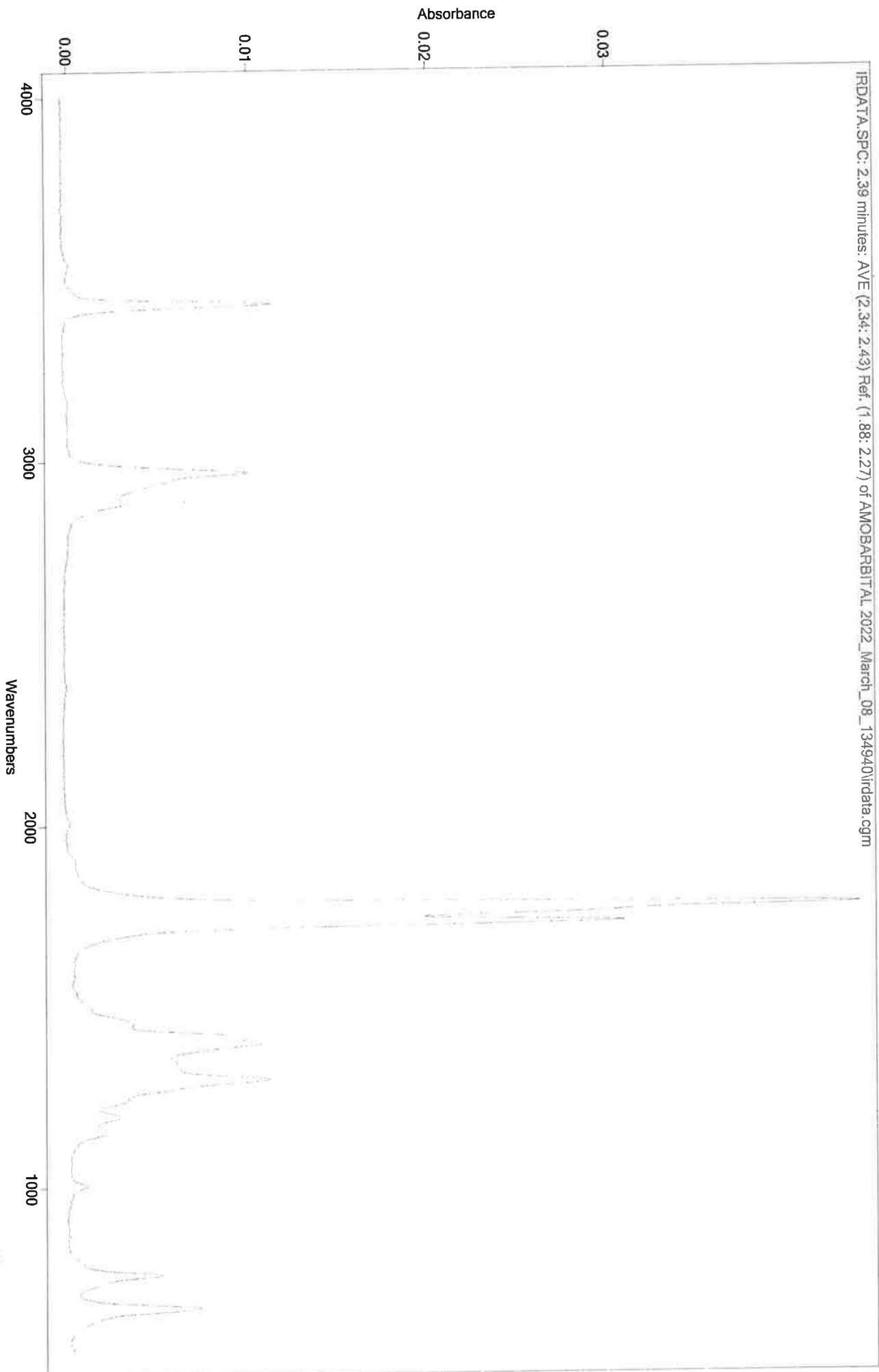
IRD Data Analysis Report

Data Filename	BLANK FOR AMOBARBITAL 2022_March_08_133258
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT SPLITLESS IRD3 EXT METHOD
IRD Method	IRD3 EXT
GC Method	90TO270
GC Vial	2
Sample Name	BLANK FOR AMOBARBITAL
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Tue Mar 08 13:49:40 2022
Date Processed	Wed Mar 09 09:12:55 2022



Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

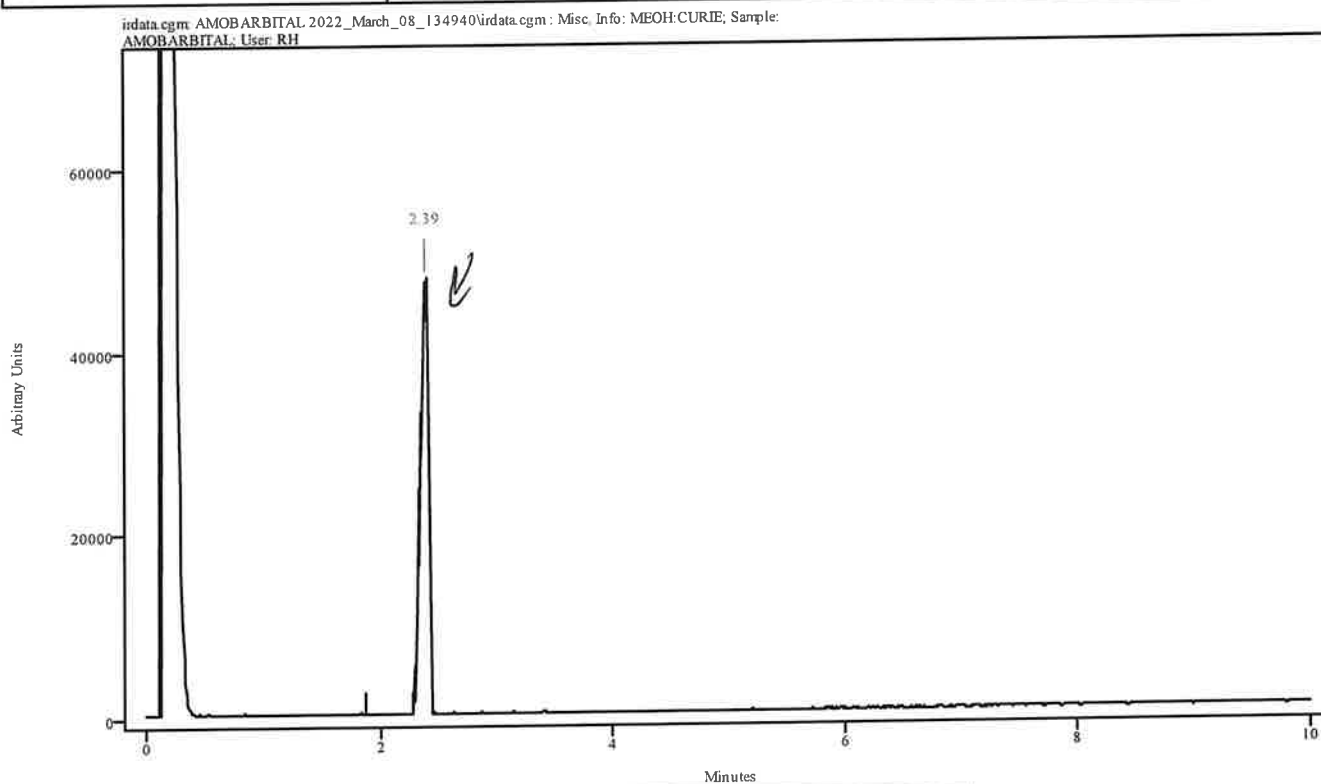
MA



IRD Data Analysis Report

WKA

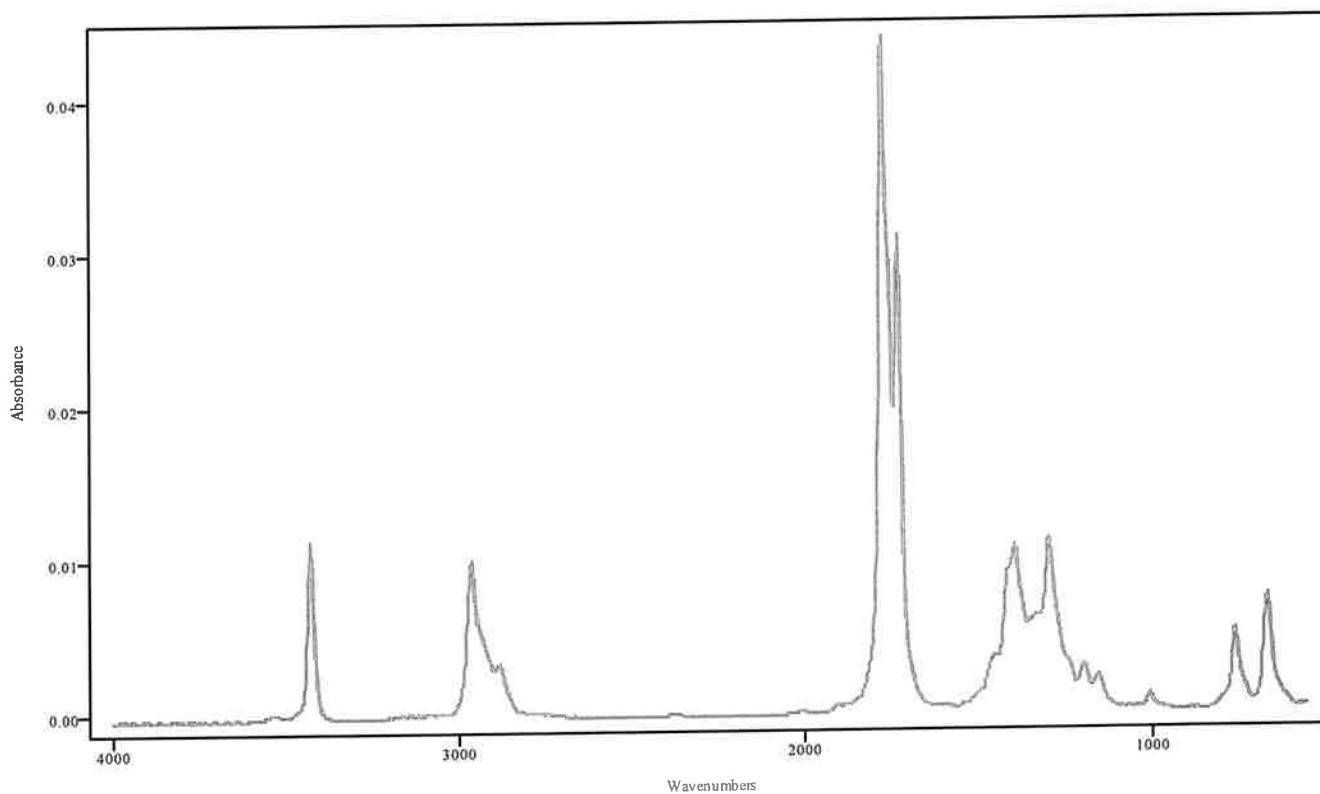
Data Filename	AMOBARBITAL 2022_March_08_134940
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT SPLITLESS IRD3 EXT METHOD
IRD Method	IRD3 EXT
GC Method	90TO270
GC Vial	12
Sample Name	AMOBARBITAL
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Tue Mar 08 14:06:14 2022
Date Processed	Wed Mar 09 09:13:54 2022



Peak Start	Peak End	Peak Width	Reference Start	Reference End
2.339	2.427	0.088	1.878	2.274

11

Data Filename	AMOBARBITAL 2022_March_08_134940
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT SPLITLESS IRD3 EXT METHOD
IRD Method	IRD3 EXT
GC Method	90TO270
GC Vial	12
Sample Name	AMOBARBITAL
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Tue Mar 08 14:06:14 2022
Date Processed	Wed Mar 09 09:13:54 2022



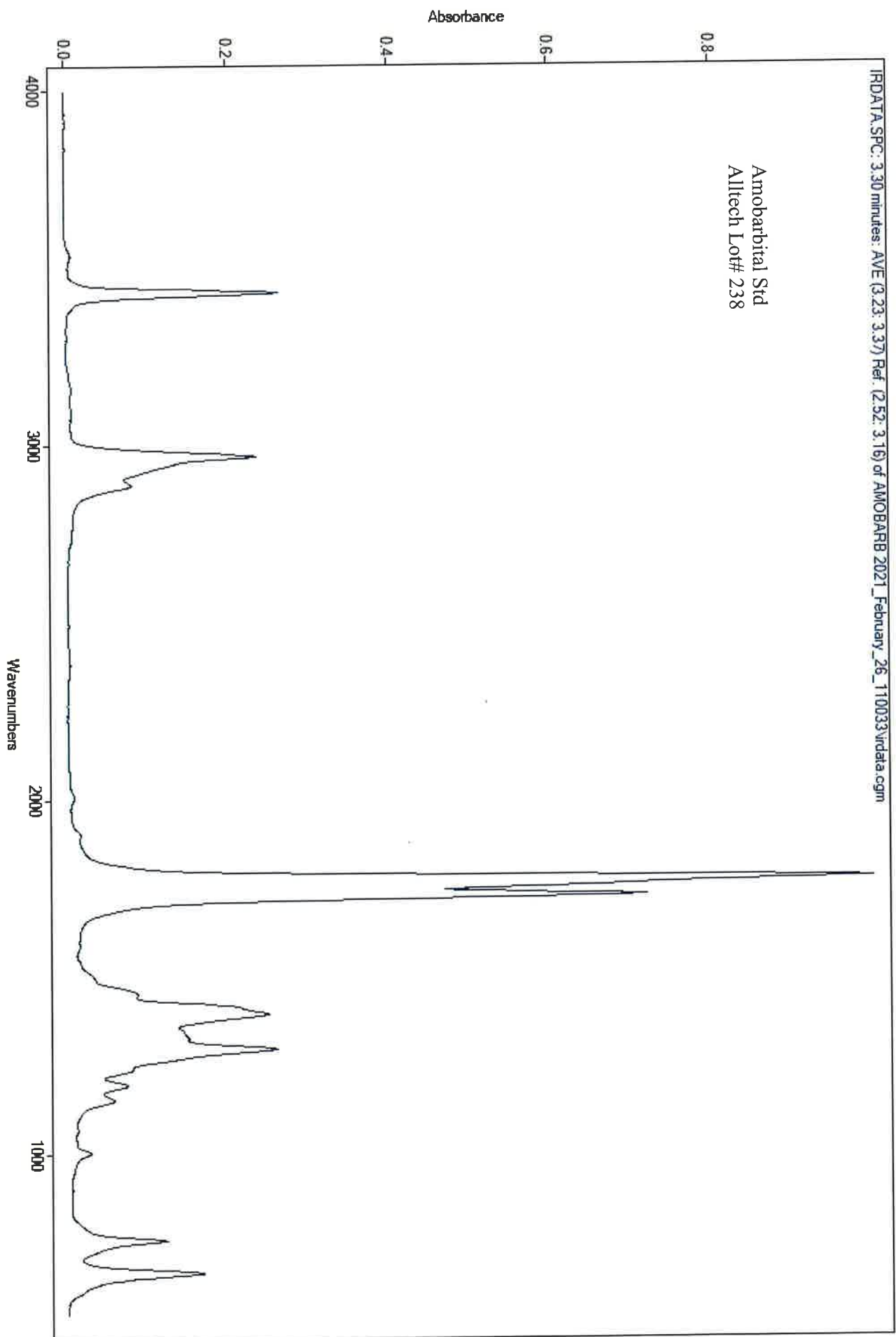
IRDATA.SPC: 2.39 minutes: AVE (2.34: 2.43) Ref. (1.88: 2.27) of AMOBARBITAL
2022_March_08_134940.cgm

Amobarbital

Instrument: Merlin
Data: W:\Standards-8\AMOBARB 2021_February_26_110033\IRDATA.SPC

Analyst: Kevin Kramer
Date Printed: 05/06/2021

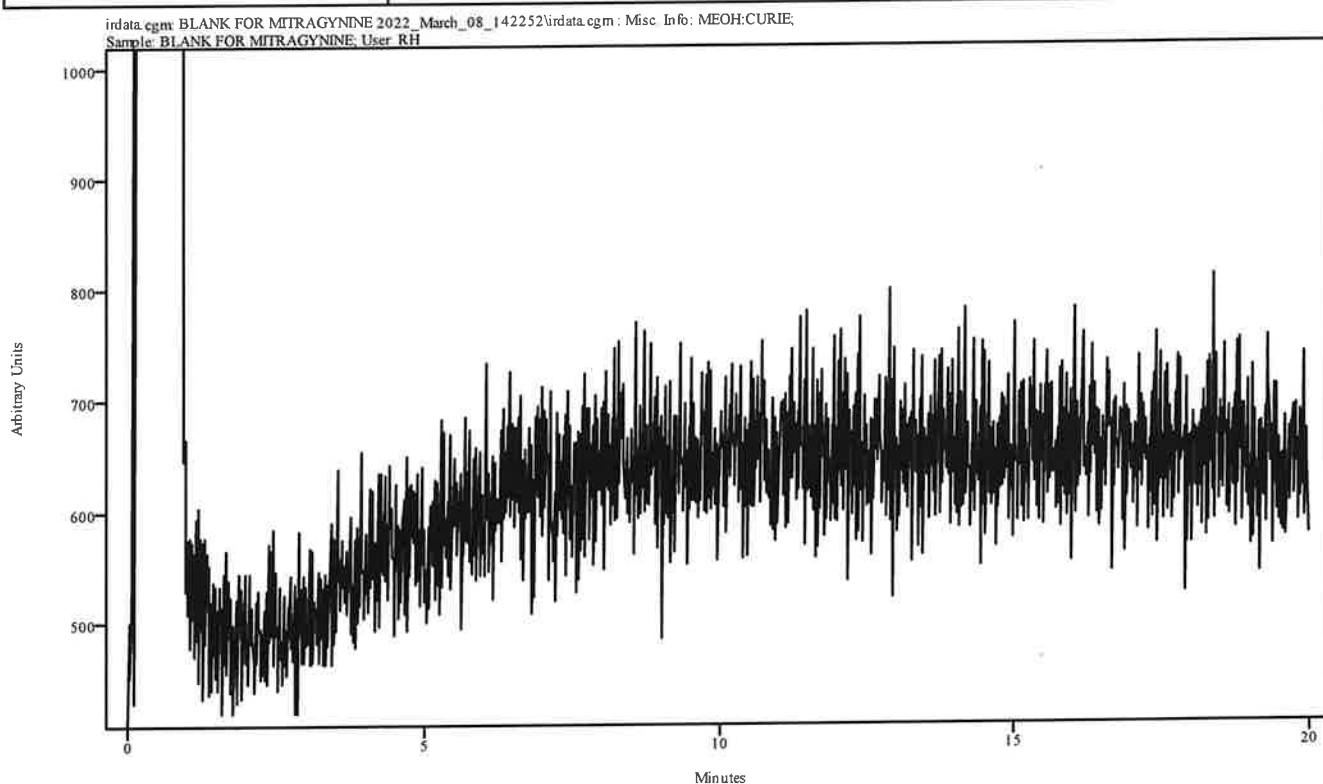
AK



IRD Data Analysis Report

UH

Data Filename	BLANK FOR MITRAGYNINE 2022_March_08_142252
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT SPLITLESS IRD3 EXT METHOD
IRD Method	IRD3 EXT
GC Method	SL200TO270(20MIN)
GC Vial	2
Sample Name	BLANK FOR MITRAGYNINE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Tue Mar 08 14:48:34 2022
Date Processed	Wed Mar 09 09:21:06 2022

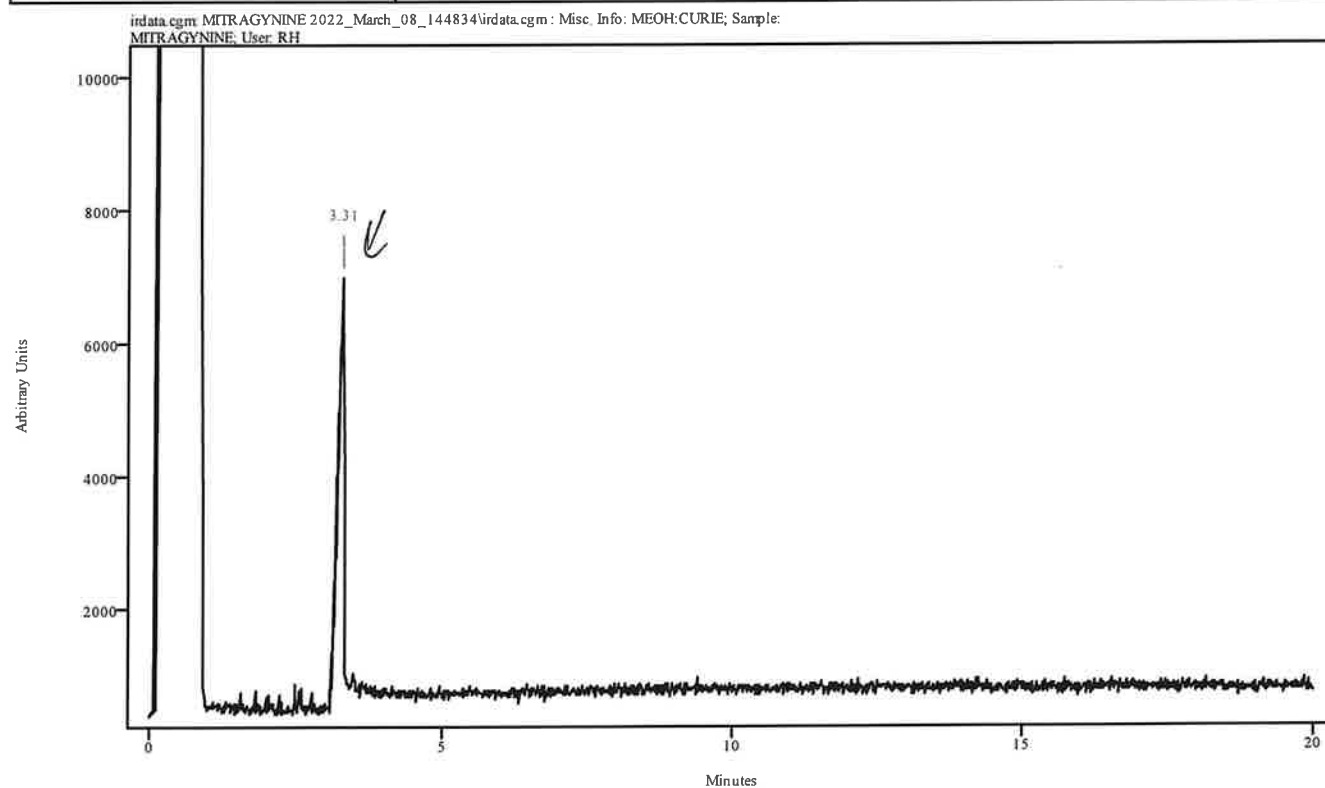


Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

MT

IRD Data Analysis Report

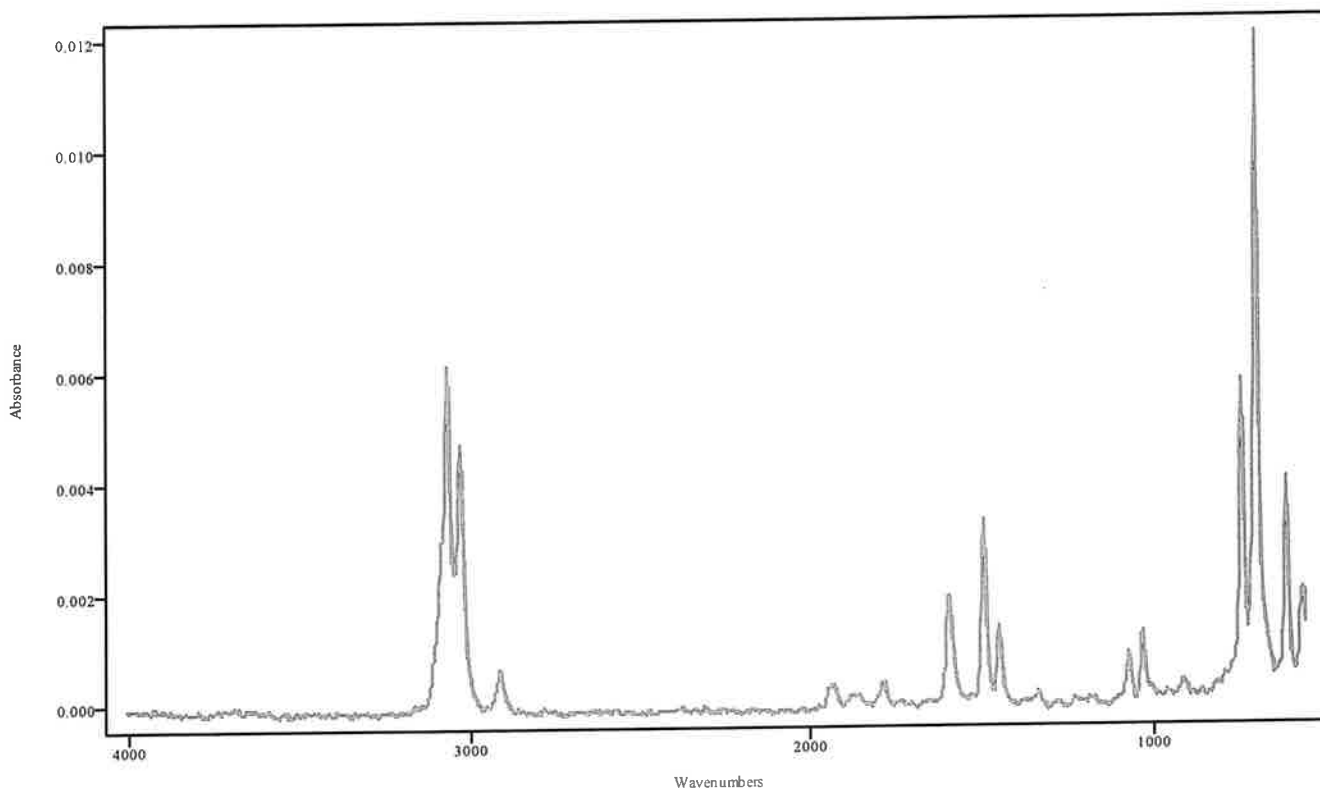
Data Filename	MITRAGYNINE 2022_March_08_144834
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT SPLITLESS IRD3 EXT METHOD
IRD Method	IRD3 EXT
GC Method	SL200TO270(20MIN)
GC Vial	13
Sample Name	MITRAGYNINE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Tue Mar 08 15:14:05 2022
Date Processed	Wed Mar 09 11:11:41 2022



Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.212	3.343	0.132	2.510	3.080

mf

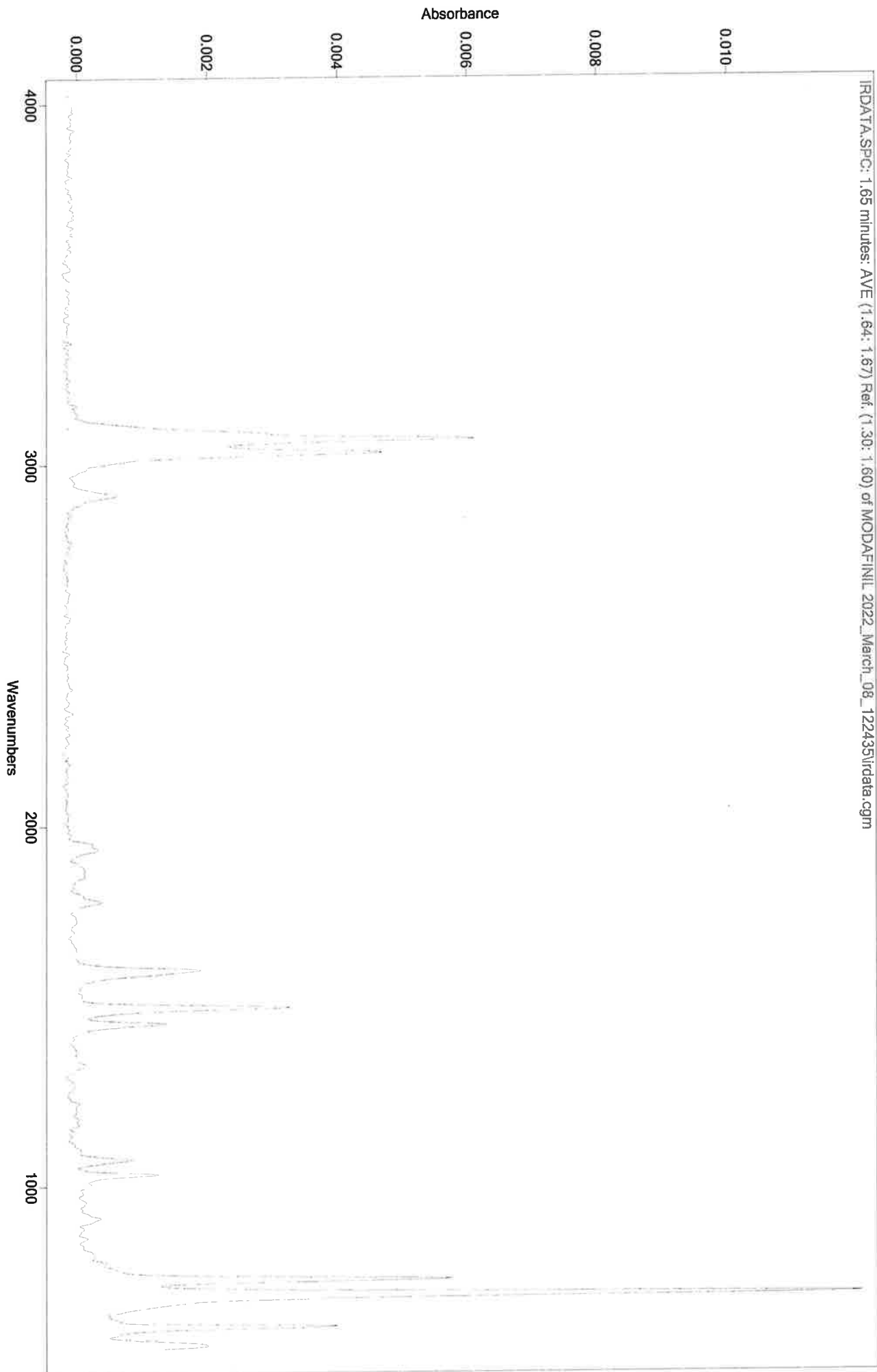
Data Filename	MODAFINIL 2022_March_08_122435
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT SPLITLESS IRD3 EXT METHOD
IRD Method	IRD3 EXT
GC Method	200TO270
GC Vial	7
Sample Name	MODAFINIL
Misc. Info	ACETONITRILE:CURIE
User ID	RH
Injection Time	Tue Mar 08 12:40:03 2022
Date Processed	Wed Mar 09 09:22:23 2022



IRDATA.SPC: 1.65 minutes: AVE (1.64: 1.67) Ref. (1.30: 1.60) of MODAFINIL
2022_March_08_122435.cgm

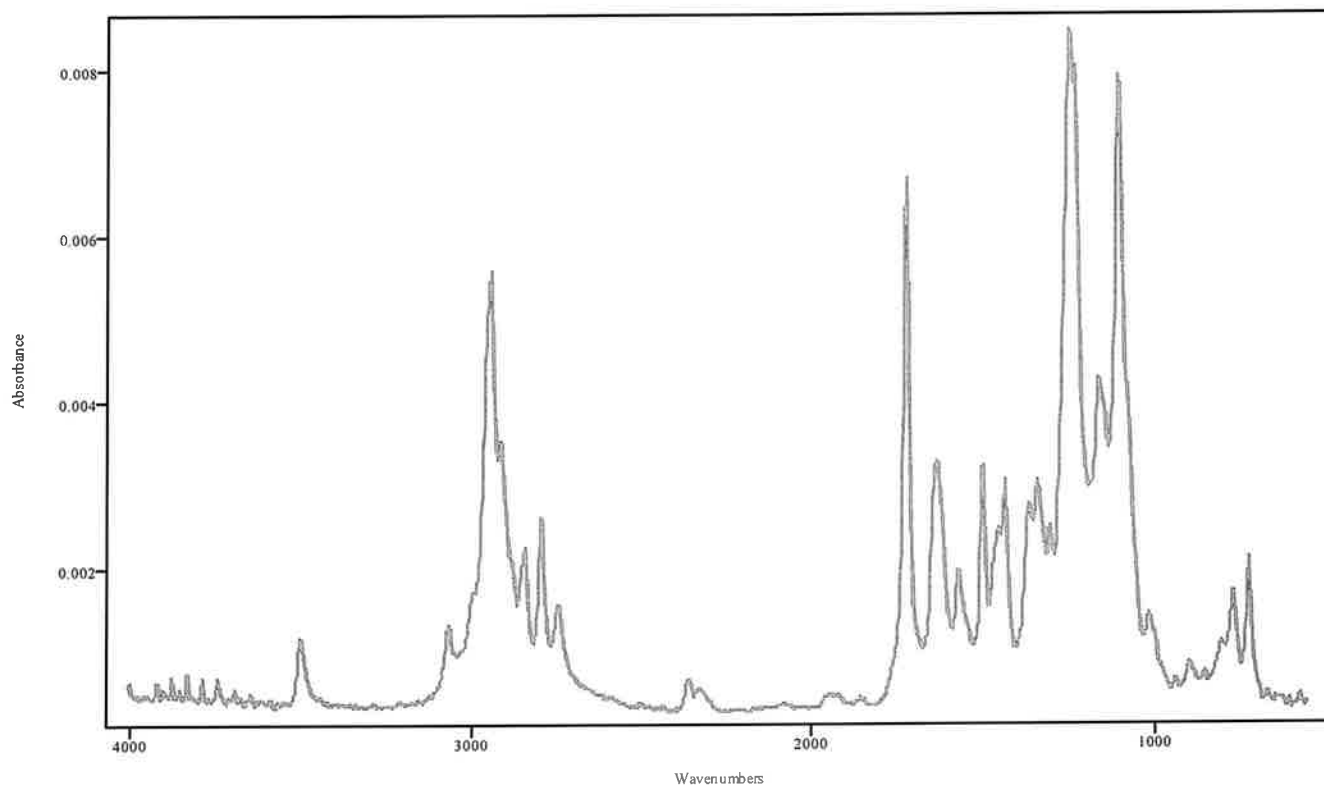
Modafinil

14



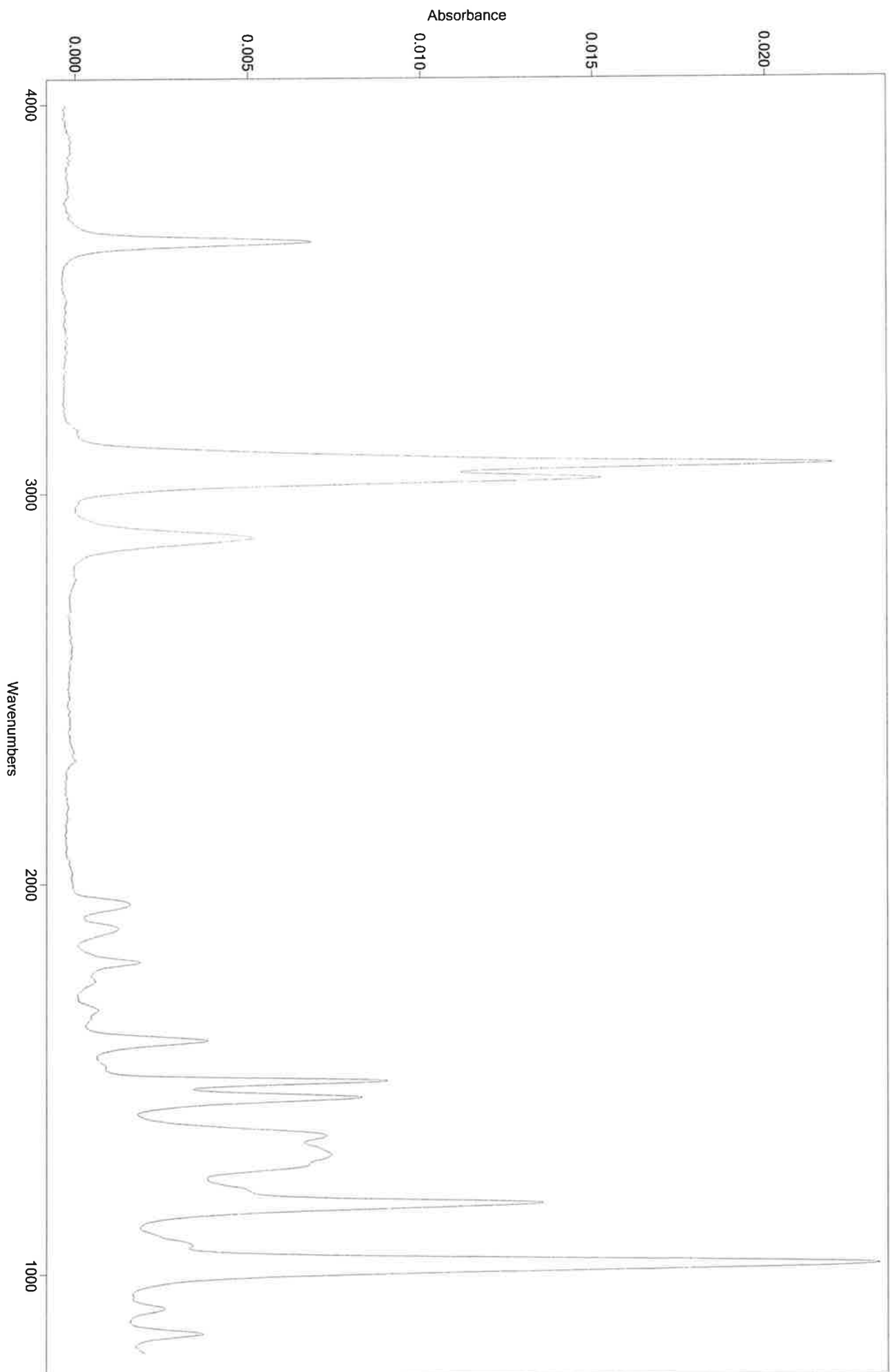
11

Data Filename	MITRAGYNINE 2022_March_08_144834
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT SPLITLESS IRD3 EXT METHOD
IRD Method	IRD3 EXT
GC Method	SL200TO270(20MIN)
GC Vial	13
Sample Name	MITRAGYNINE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Tue Mar 08 15:14:05 2022
Date Processed	Wed Mar 09 11:11:41 2022

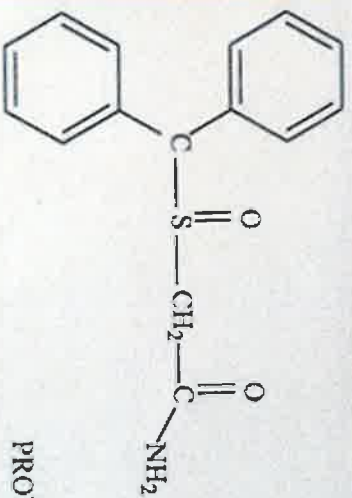


IRDATA.SPC: 3.31 minutes: AVE (3.21: 3.34) Ref. (2.51: 3.08) of MITRAGYNINE
2022_March_08_144834.cgm

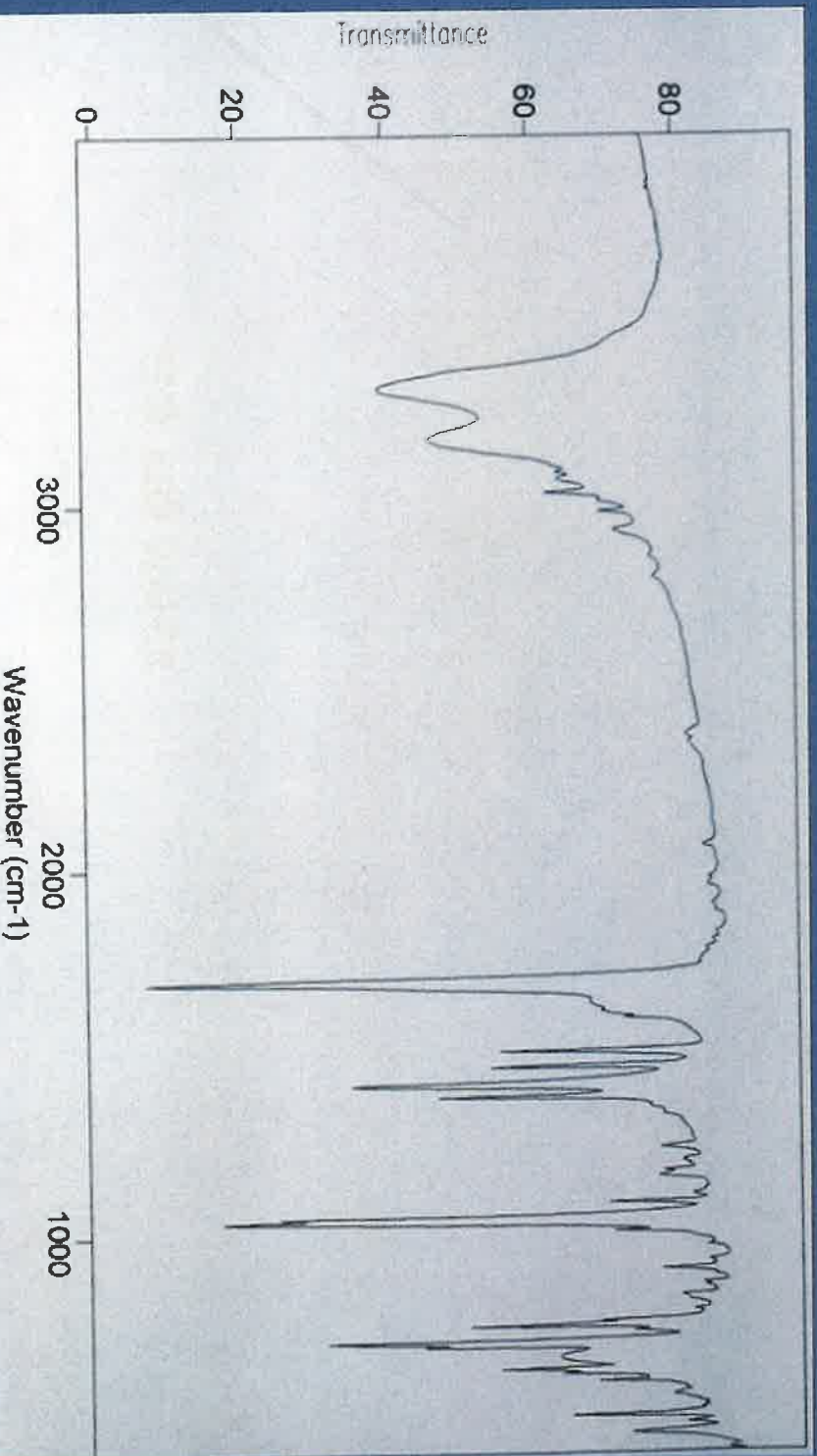
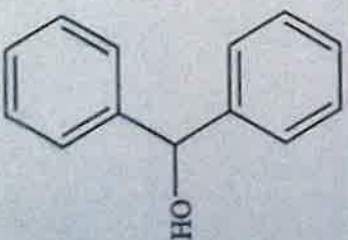
Mitragynine



THERMAL DEGREDDATION



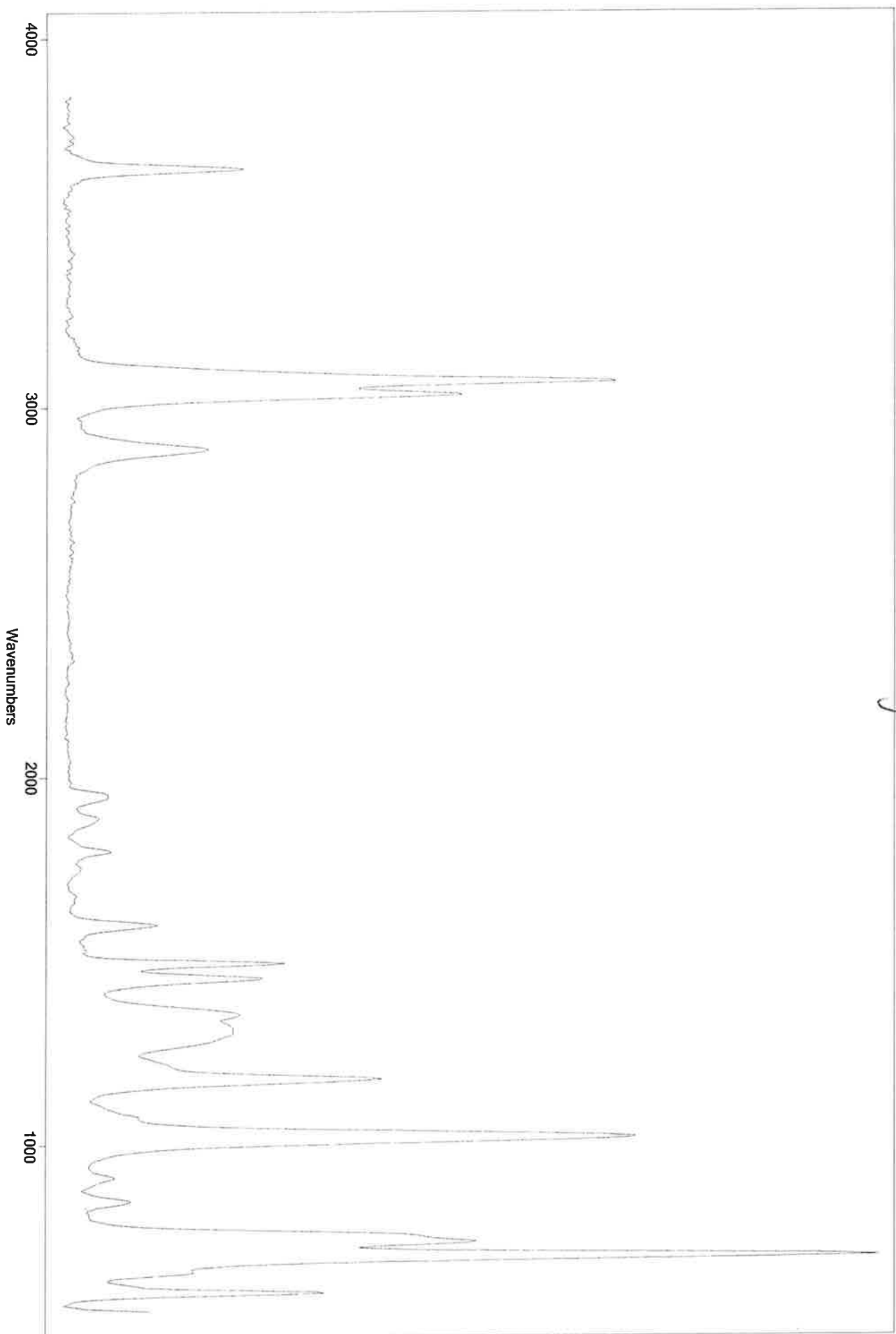
PROVIGIL (Modafinil)



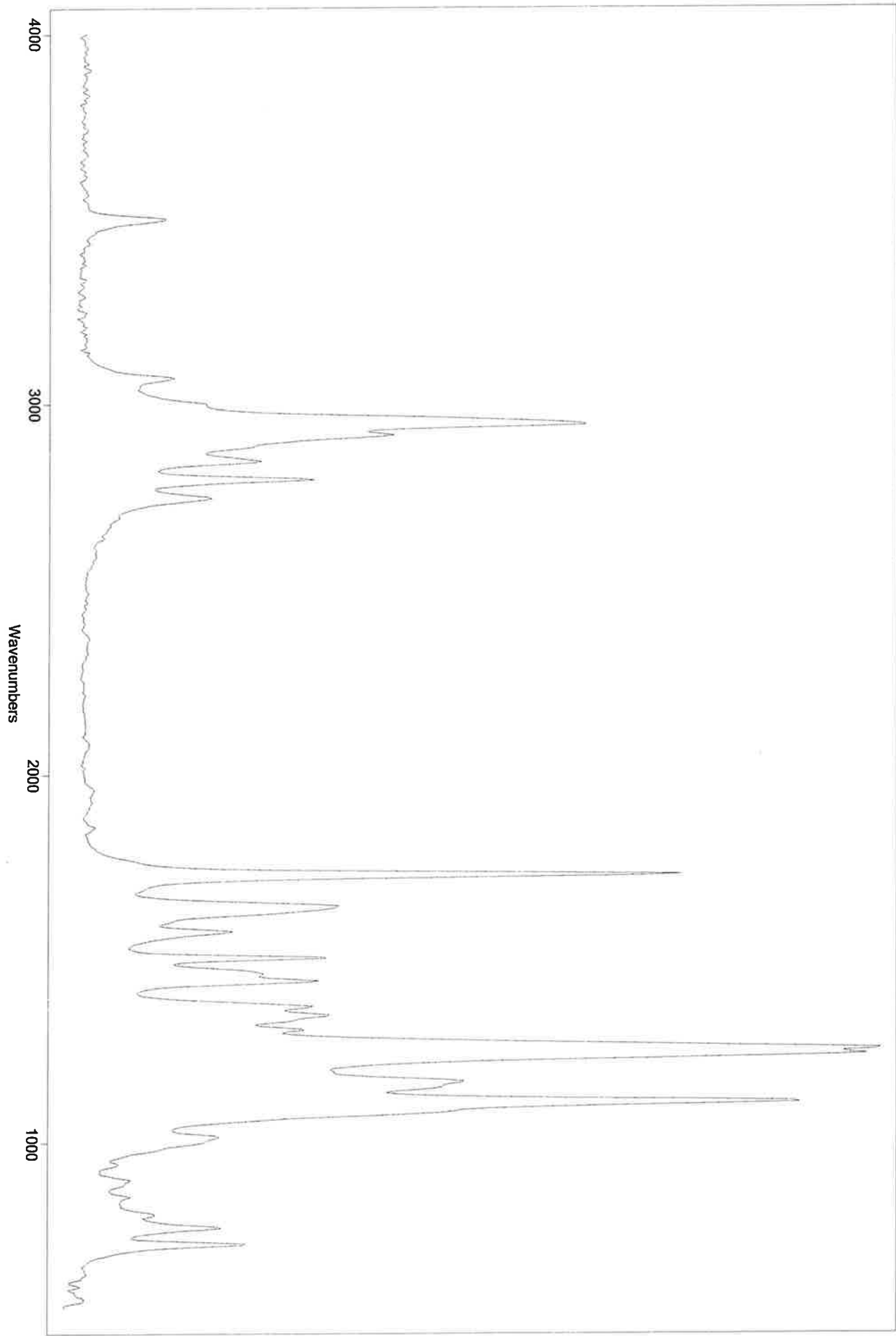
SCHEDULE IV CDS

144

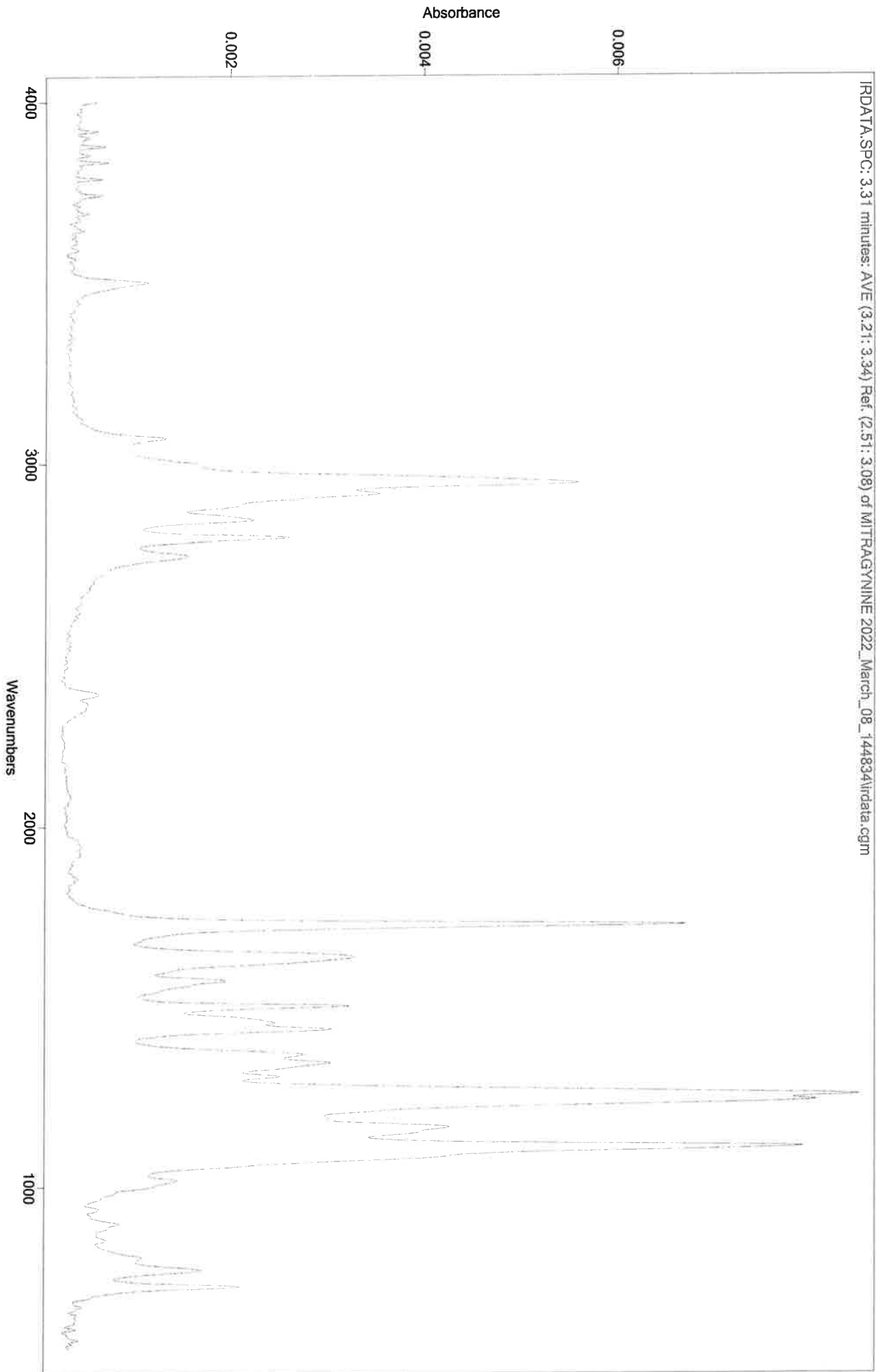
Thermal Degradation of Modafinil 44



Handwritten signature



Handwritten signature

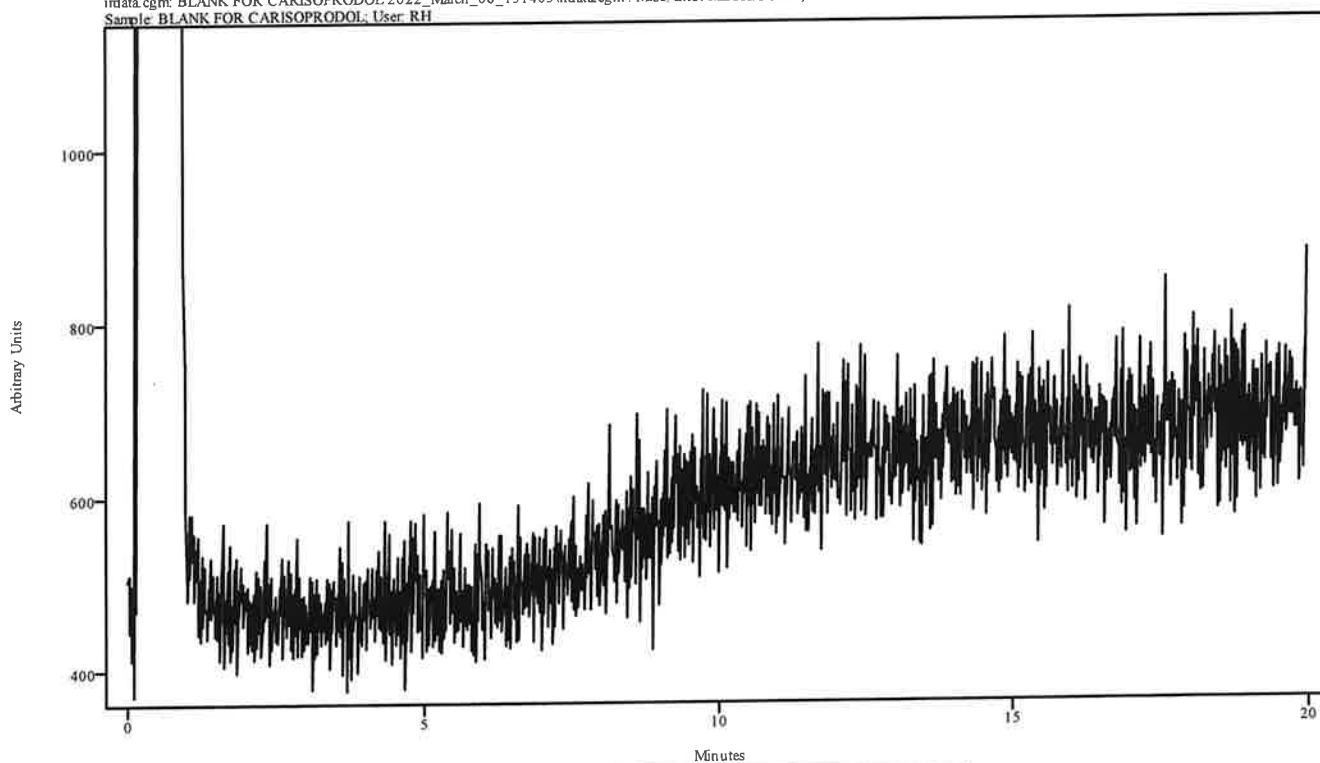


MT

IRD Data Analysis Report

Data Filename	BLANK FOR CARISOPRODOL 2022_March_08_151405
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT SPLITLESS IRD3 EXT METHOD
IRD Method	IRD3 EXT
GC Method	SL90TO270@35C(20MIN)
GC Vial	2
Sample Name	BLANK FOR CARISOPRODOL
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Tue Mar 08 15:40:36 2022
Date Processed	Wed Mar 09 09:16:17 2022

irdata.cgm: BLANK FOR CARISOPRODOL 2022_March_08_151405\irdata.cgm : Misc. Info: MEOH:CURIE;
Sample: BLANK FOR CARISOPRODOL; User: RH

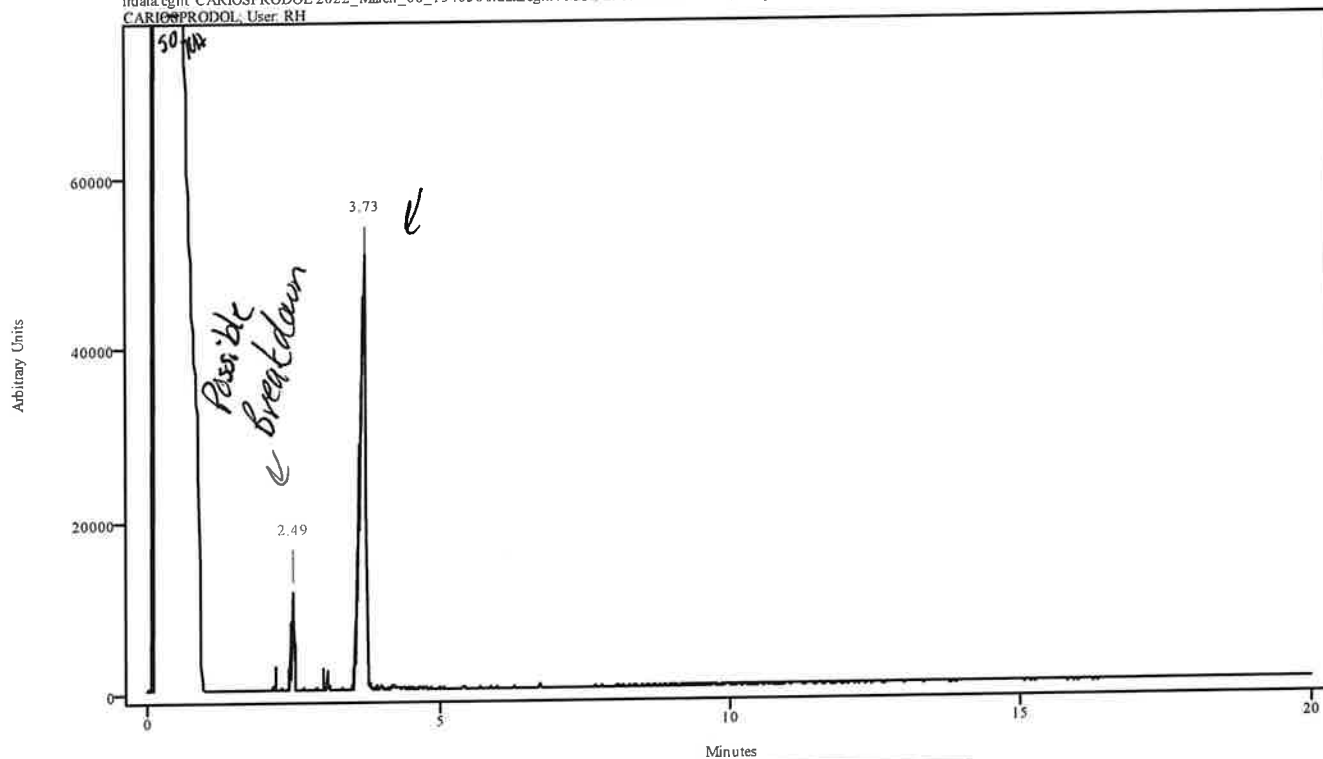


Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

IRD Data Analysis Report

Data Filename	CARIOSPRODOL 2022_March_08_154036
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT SPLITLESS IRD3 EXT METHOD
IRD Method	IRD3 EXT
GC Method	SL90TO270@35C(20MIN)
GC Vial	14
Sample Name	CARIOSPRODOL
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Tue Mar 08 16:06:59 2022
Date Processed	Wed Mar 09 09:16:50 2022

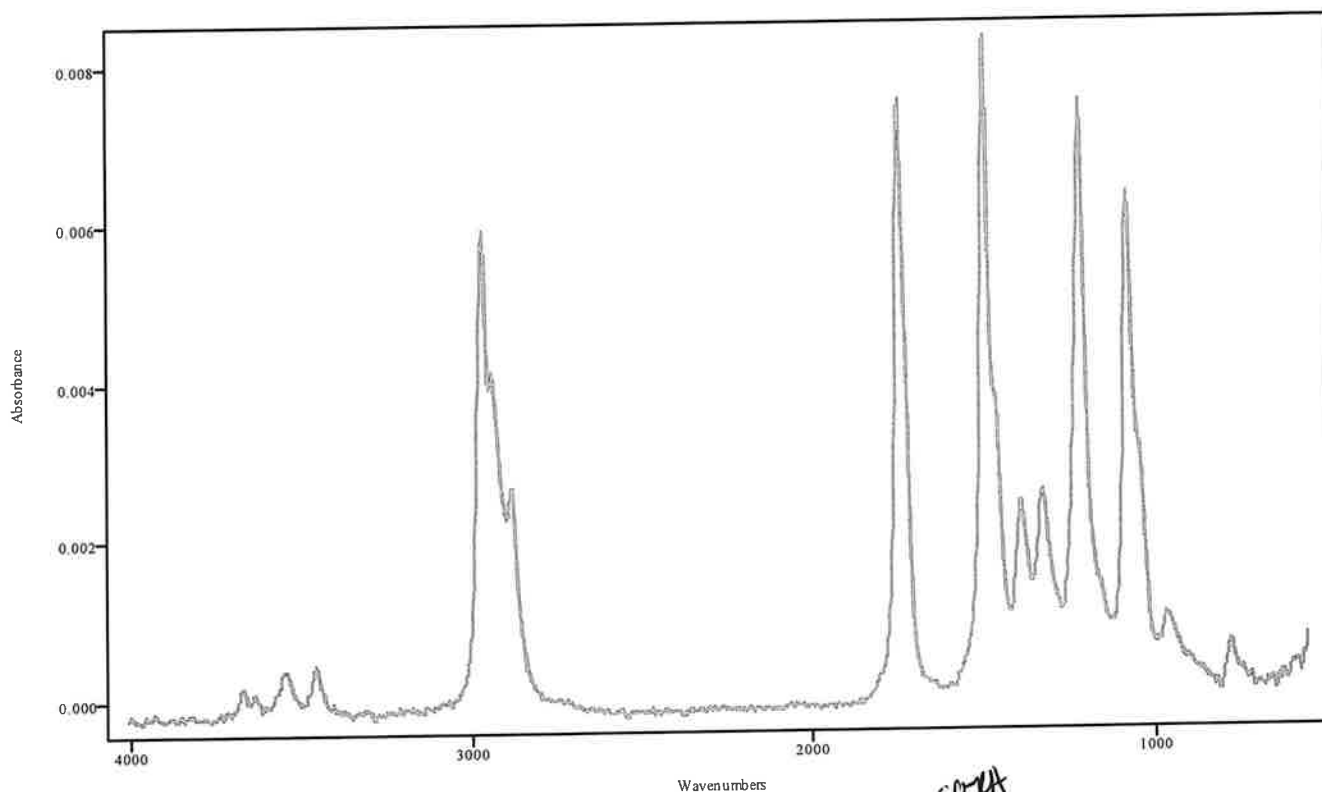
irdata.cgm: CARIOSPRODOL 2022_March_08_154036\irdata.cgm : Misc. Info: MEOH:CURIE; Sample: CARIOSPRODOL; User: RH



Peak Start	Peak End	Peak Width	Reference Start	Reference End
2.469	2.513	0.044	2.194	2.414
3.632	3.763	0.132	2.995	3.522

YH

Data Filename	CARISPRODOL 2022_March_08_154036
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT SPLITLESS IRD3 EXT METHOD
IRD Method	IRD3 EXT
GC Method	SL90TO270@35C(20MIN)
GC Vial	14
Sample Name	CARISOPRODOL
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Tue Mar 08 16:06:59 2022
Date Processed	Wed Mar 09 09:16:50 2022

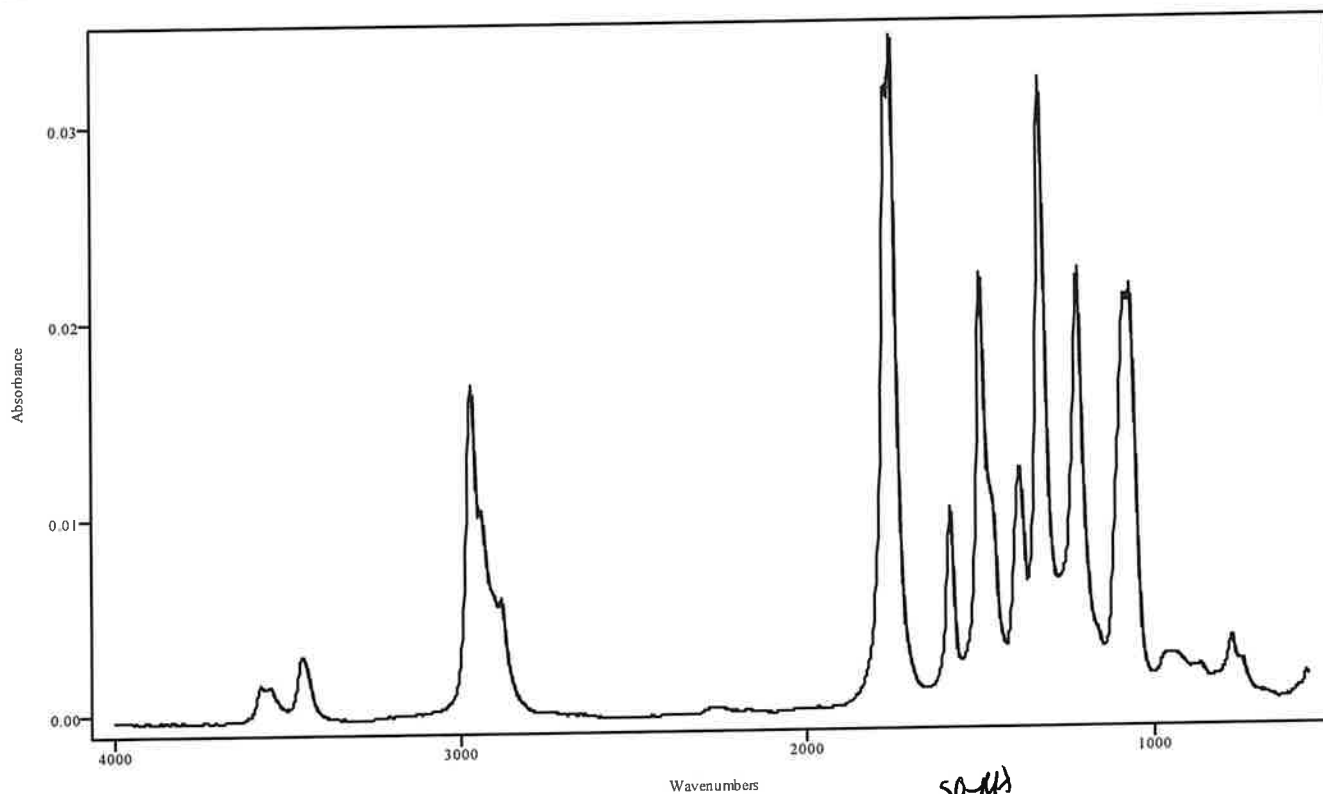


IRDATA.SPC: 2.49 minutes: AVE (2.47: 2.51) Ref. (2.19: 2.41) of CARISPRODOL 2022_March_08_154036.cgm

possible breakdown

50th

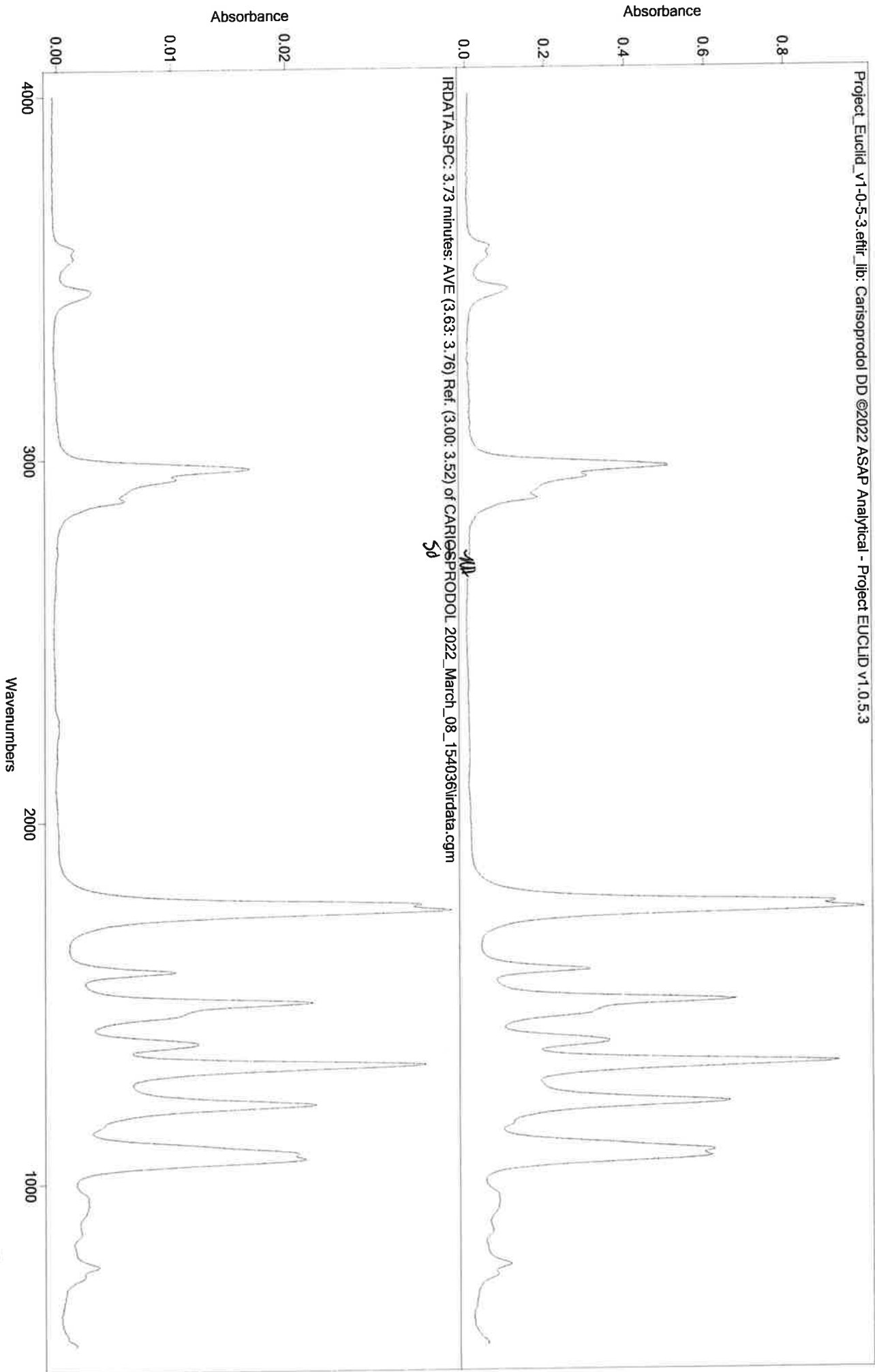
Data Filename	CARISPRODOL 2022_March_08_154036
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT SPLITLESS IRD3 EXT METHOD
IRD Method	IRD3 EXT
GC Method	SL90TO270@35C(20MIN)
GC Vial	14
Sample Name	CARISPRODOL
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Tue Mar 08 16:06:59 2022
Date Processed	Wed Mar 09 09:16:50 2022



IRDATA.SPC: 3.73 minutes: AVE (3.63: 3.76) Ref. (3.00: 3.52) of CARISPRODOL
 2022_March_08_154036.cgm

Carisprodol

44

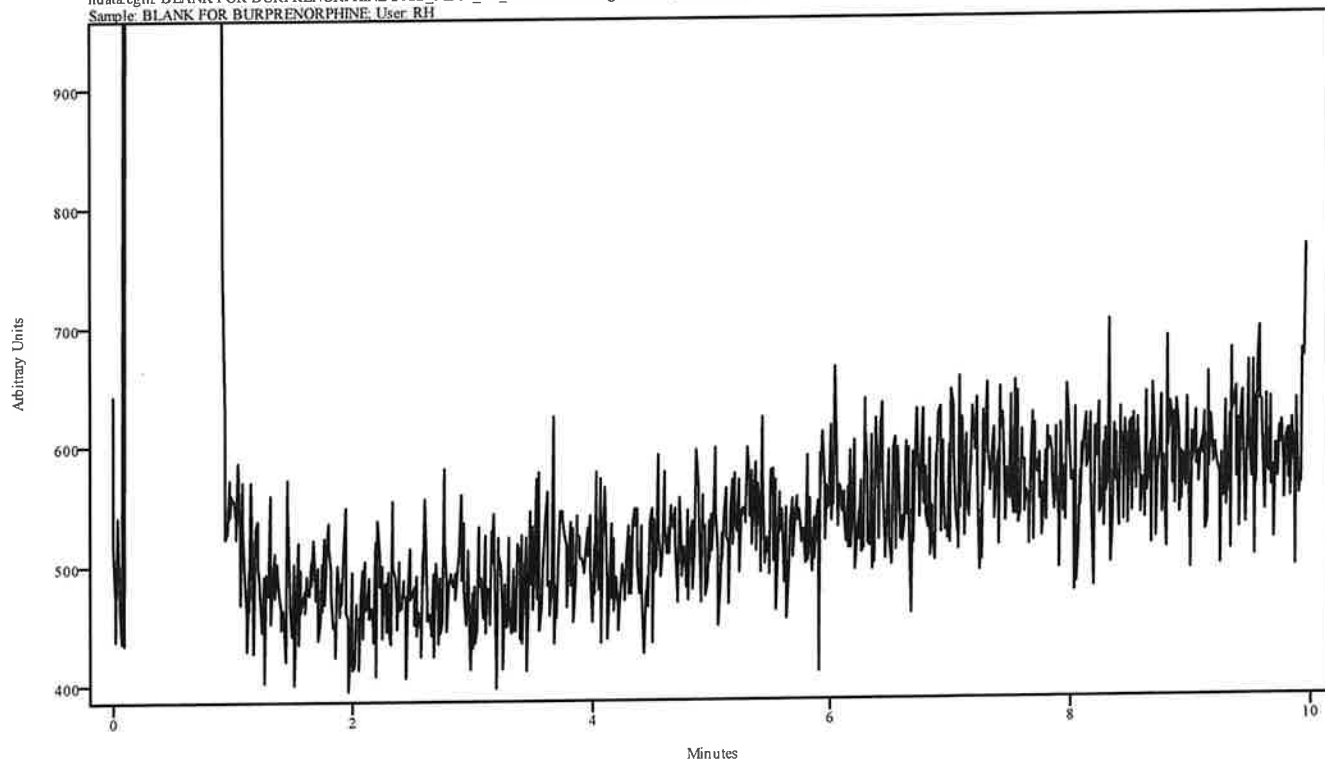


JA

IRD Data Analysis Report

Data Filename	BLANK FOR BURPRENORPHINE 2022_March_08_160659
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT SPLITLESS IRD3 EXT METHOD
IRD Method	IRD3 EXT
GC Method	SL200TO270
GC Vial	2
Sample Name	BLANK FOR BURPRENORPHINE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Tue Mar 08 16:22:41 2022
Date Processed	Wed Mar 09 09:15:37 2022

irdata.cgm: BLANK FOR BURPRENORPHINE 2022_March_08_160659\irdata.cgm: Misc. Info: MEOH:CURIE;
Sample: BLANK FOR BURPRENORPHINE: User: RH



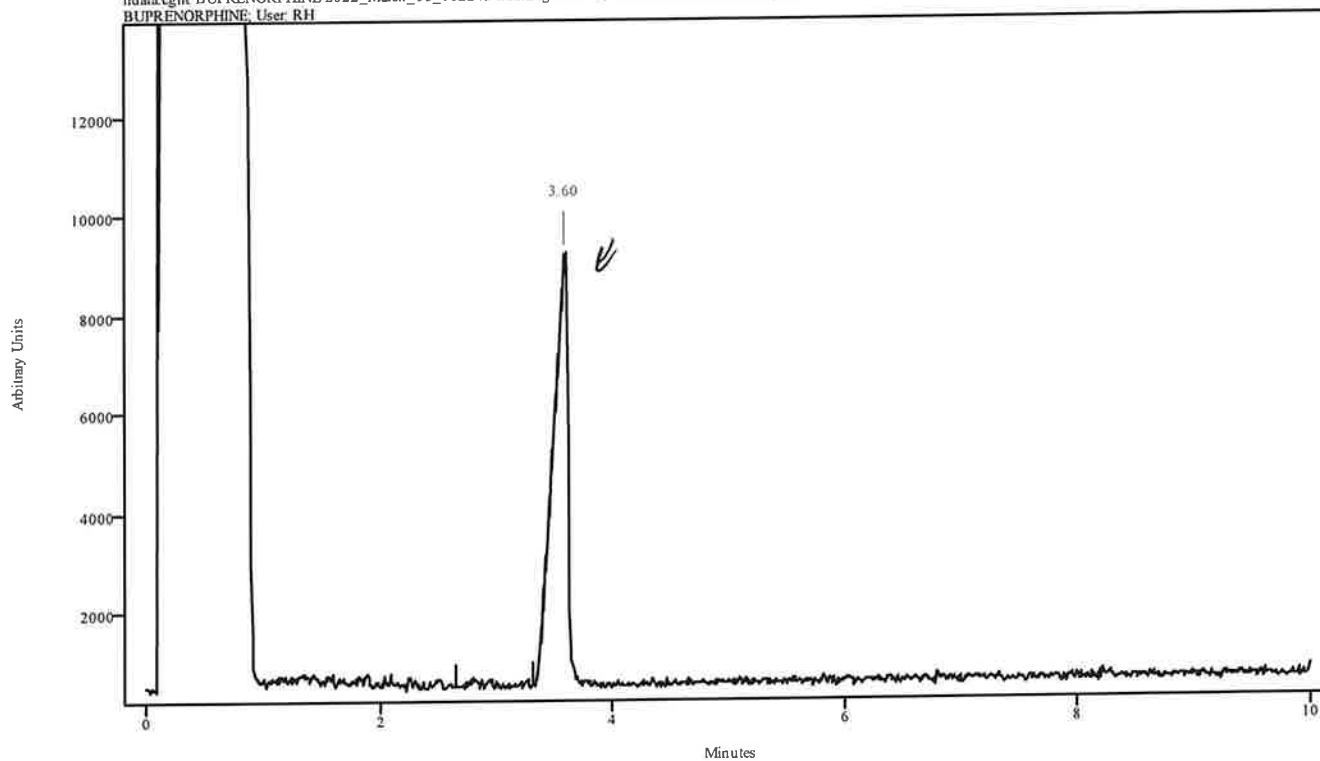
Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

IRD Data Analysis Report

YH

Data Filename	BUPRENORPHINE 2022_March_08_162242
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT SPLITLESS IRD3 EXT METHOD
IRD Method	IRD3 EXT
GC Method	SL200TO270
GC Vial	15
Sample Name	BUPRENORPHINE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Tue Mar 08 16:38:06 2022
Date Processed	Wed Mar 09 09:15:58 2022

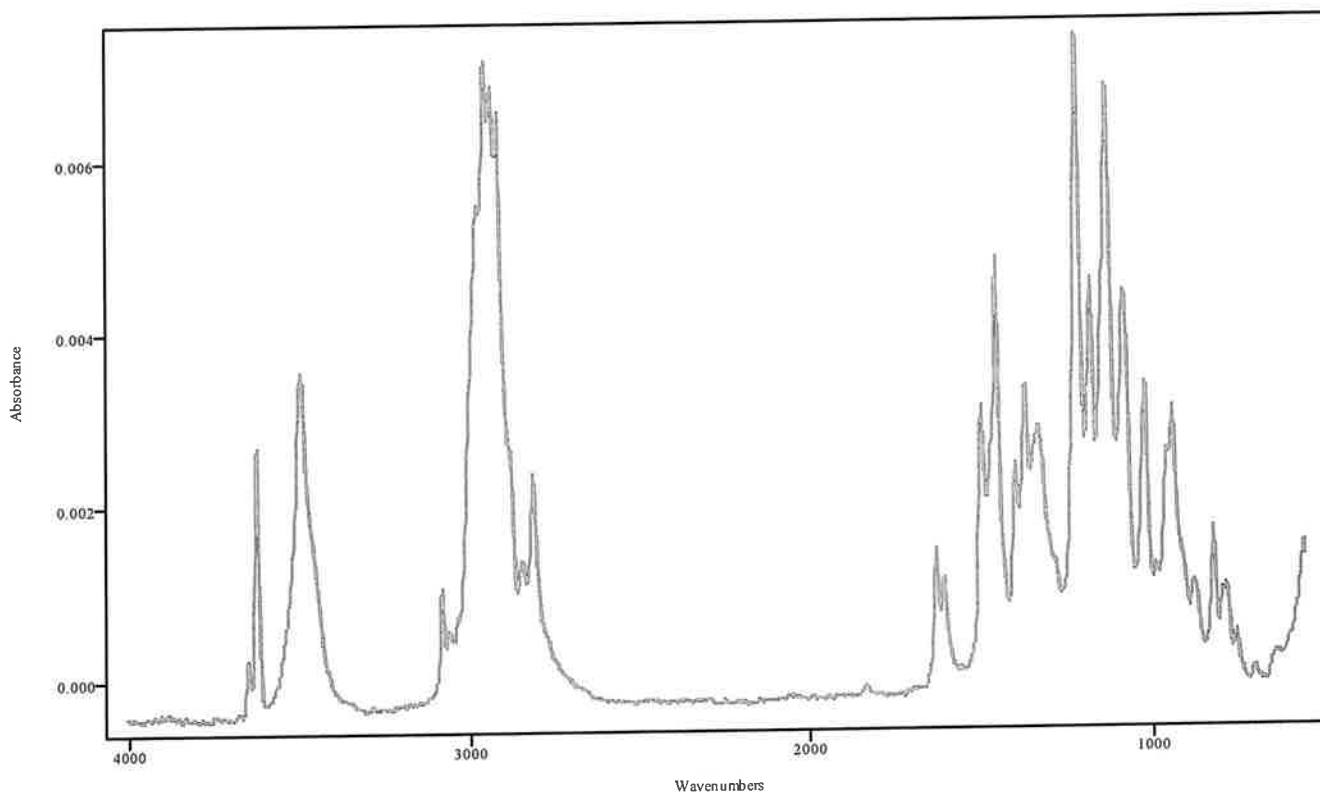
irdata.cgm: BUPRENORPHINE 2022_March_08_162242\irdata.cgm : Misc. Info: MEOH:CURIE; Sample: BUPRENORPHINE; User: RH



Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.474	3.628	0.154	2.650	3.310

YH

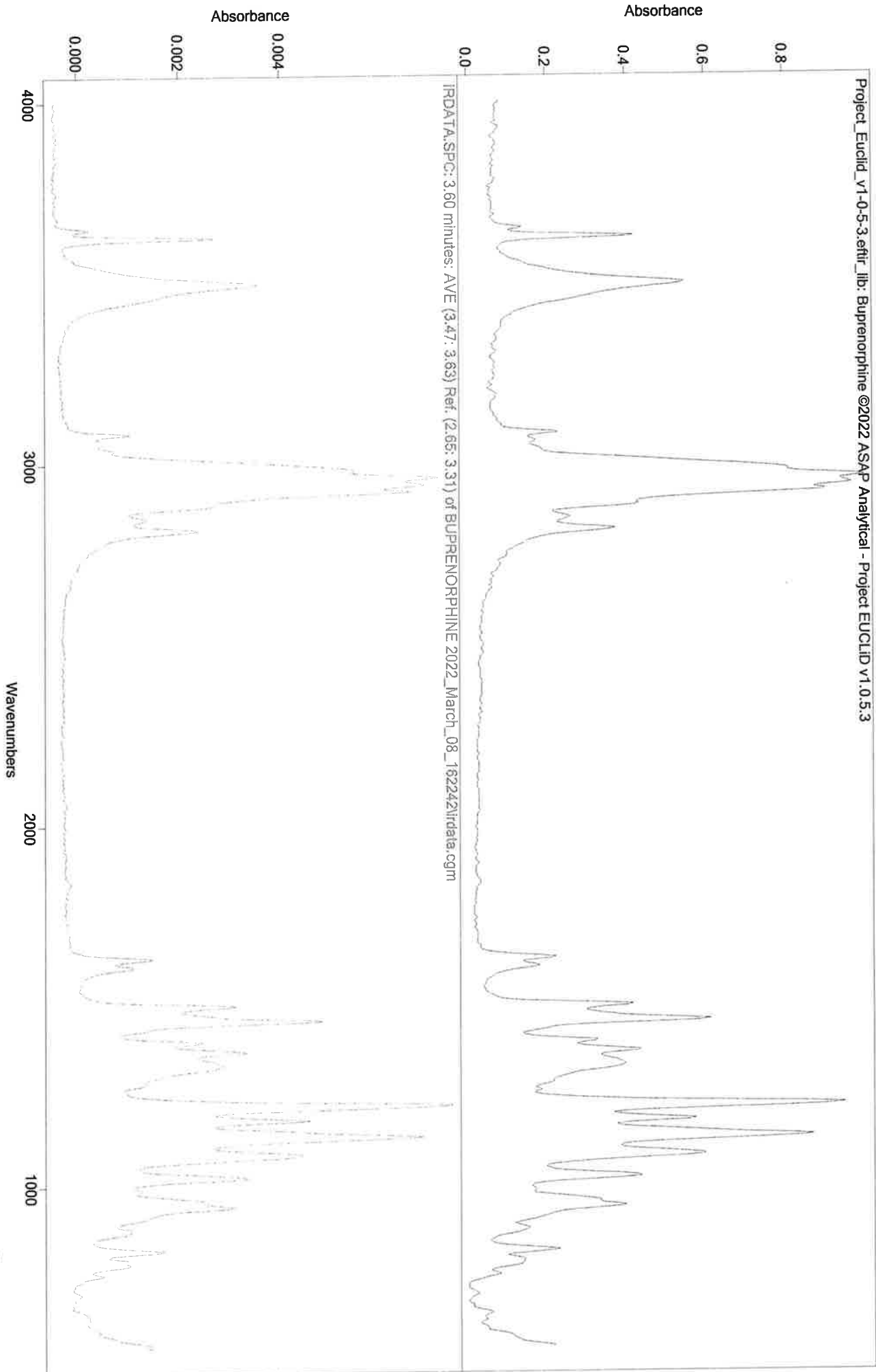
Data Filename	BUPRENORPHINE 2022_March_08_162242
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT SPLITLESS IRD3 EXT METHOD
IRD Method	IRD3 EXT
GC Method	SL200TO270
GC Vial	15
Sample Name	BUPRENORPHINE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Tue Mar 08 16:38:06 2022
Date Processed	Wed Mar 09 09:15:58 2022



IRDATA.SPC: 3.60 minutes: AVE (3.47: 3.63) Ref. (2.65: 3.31) of BUPRENORPHINE
2022_March_08_162242.cgm

Buprenorphine

JK

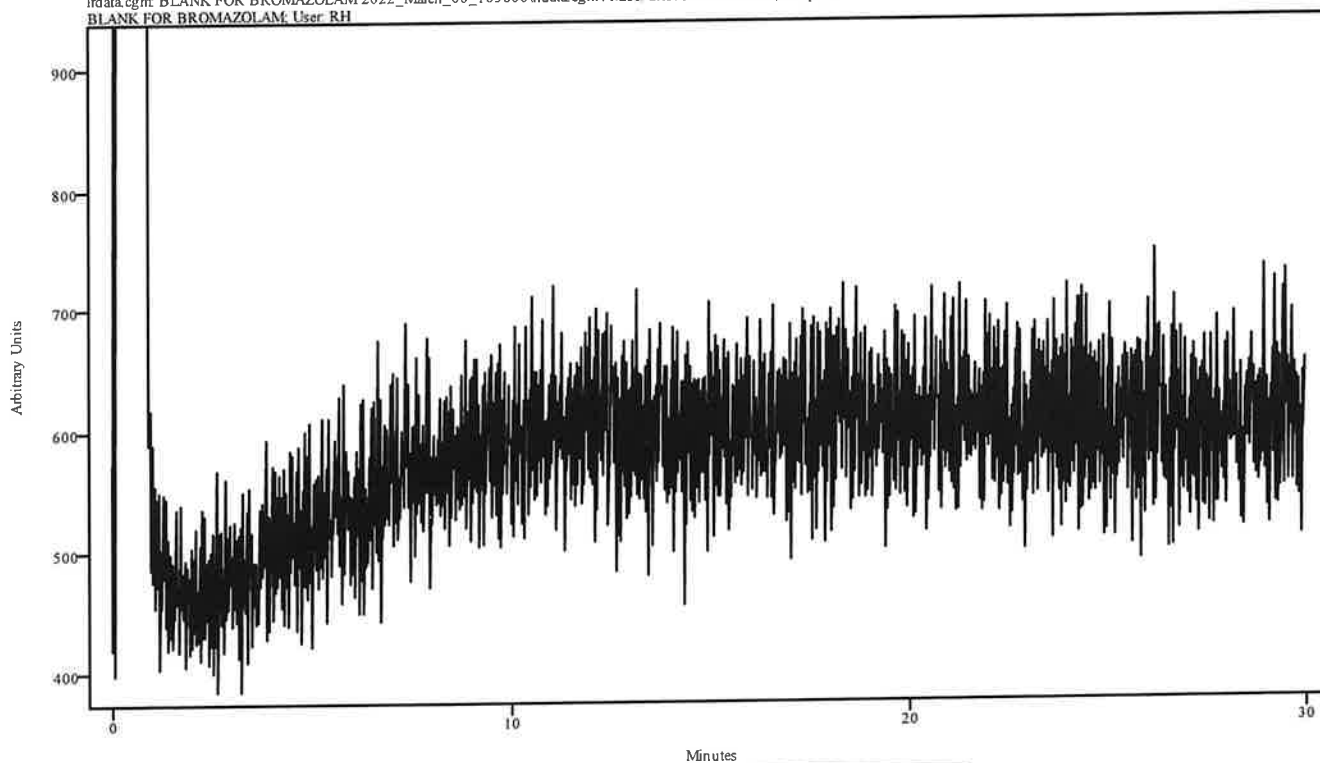


IRD Data Analysis Report

YH

Data Filename	BLANK FOR BROMAZOLAM 2022_March_08_163806
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT SPLITLESS IRD3 EXT METHOD
IRD Method	IRD3 EXT
GC Method	SL200TO270(30MIN)
GC Vial	2
Sample Name	BLANK FOR BROMAZOLAM
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Tue Mar 08 17:13:29 2022
Date Processed	Wed Mar 09 09:14:15 2022

irdata.cgm: BLANK FOR BROMAZOLAM 2022_March_08_163806 irdata.cgm: Misc. Info: MEOH:CURIE; Sample: BLANK FOR BROMAZOLAM; User: RH



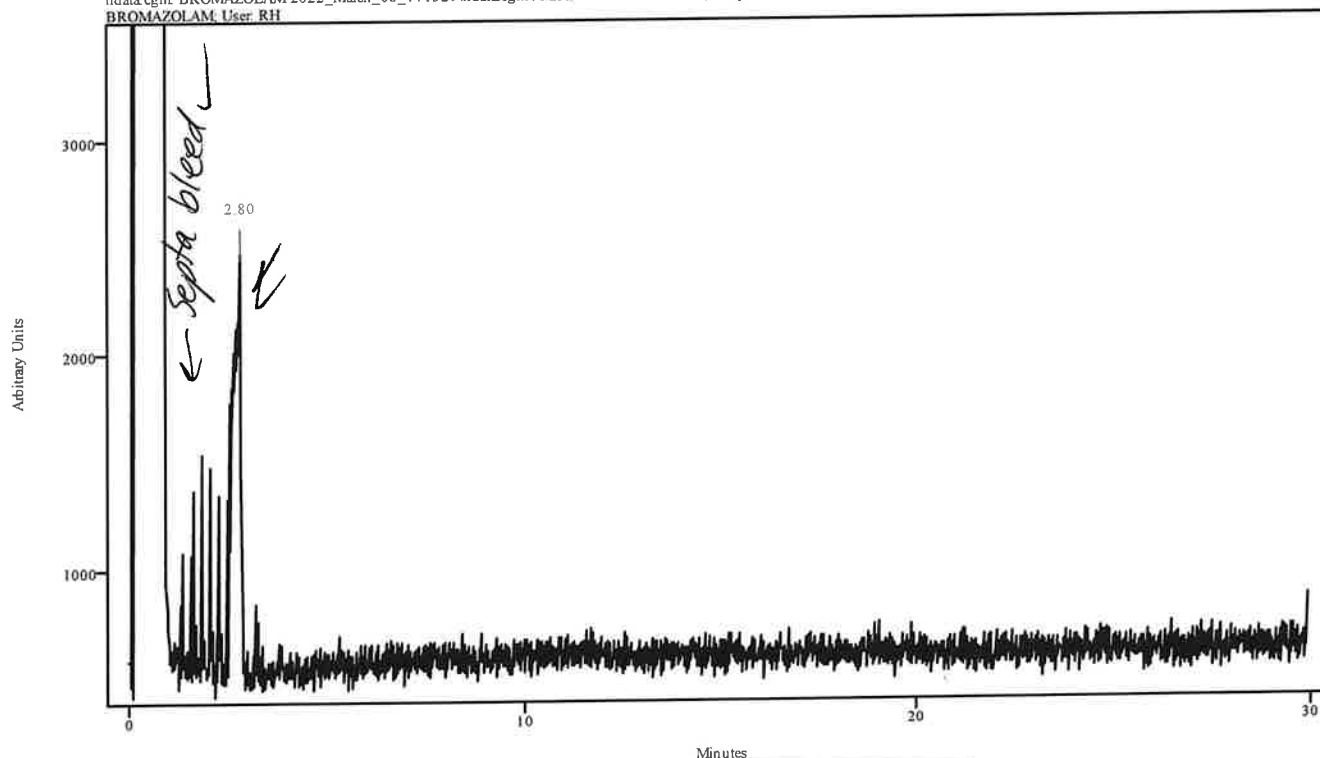
Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

IRD Data Analysis Report

mt

Data Filename	BROMAZOLAM 2022_March_08_171329
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT SPLITLESS IRD3 EXT METHOD
IRD Method	IRD3 EXT
GC Method	SL200TO270(30MIN)
GC Vial	16
Sample Name	BROMAZOLAM
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Tue Mar 08 17:49:00 2022
Date Processed	Wed Mar 09 09:15:18 2022

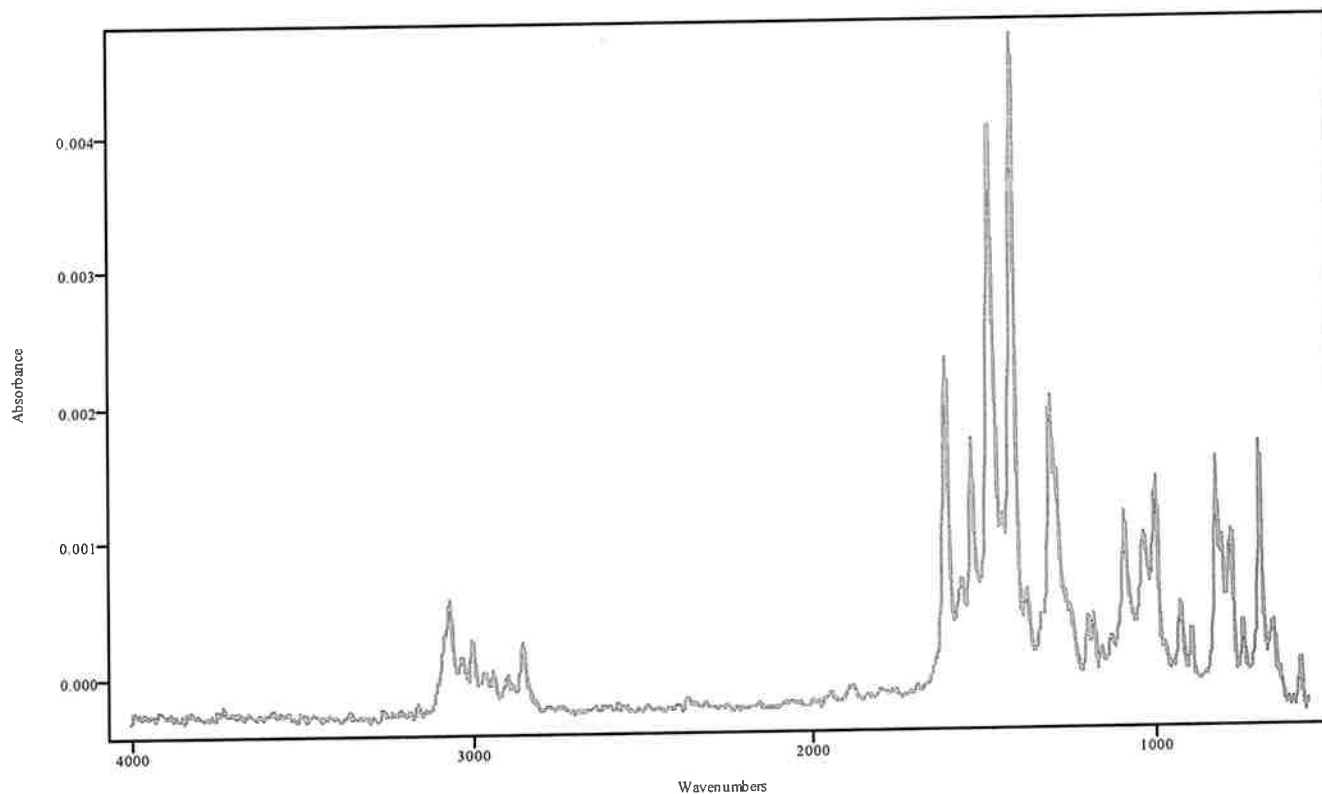
irdata.cgm: BROMAZOLAM 2022_March_08_171329\irdata.cgm : Misc. Info: MEOH:CURIE; Sample: BROMAZOLAM, User: RH



Peak Start	Peak End	Peak Width	Reference Start	Reference End
2.490	2.842	0.351	2.302	2.431

YH

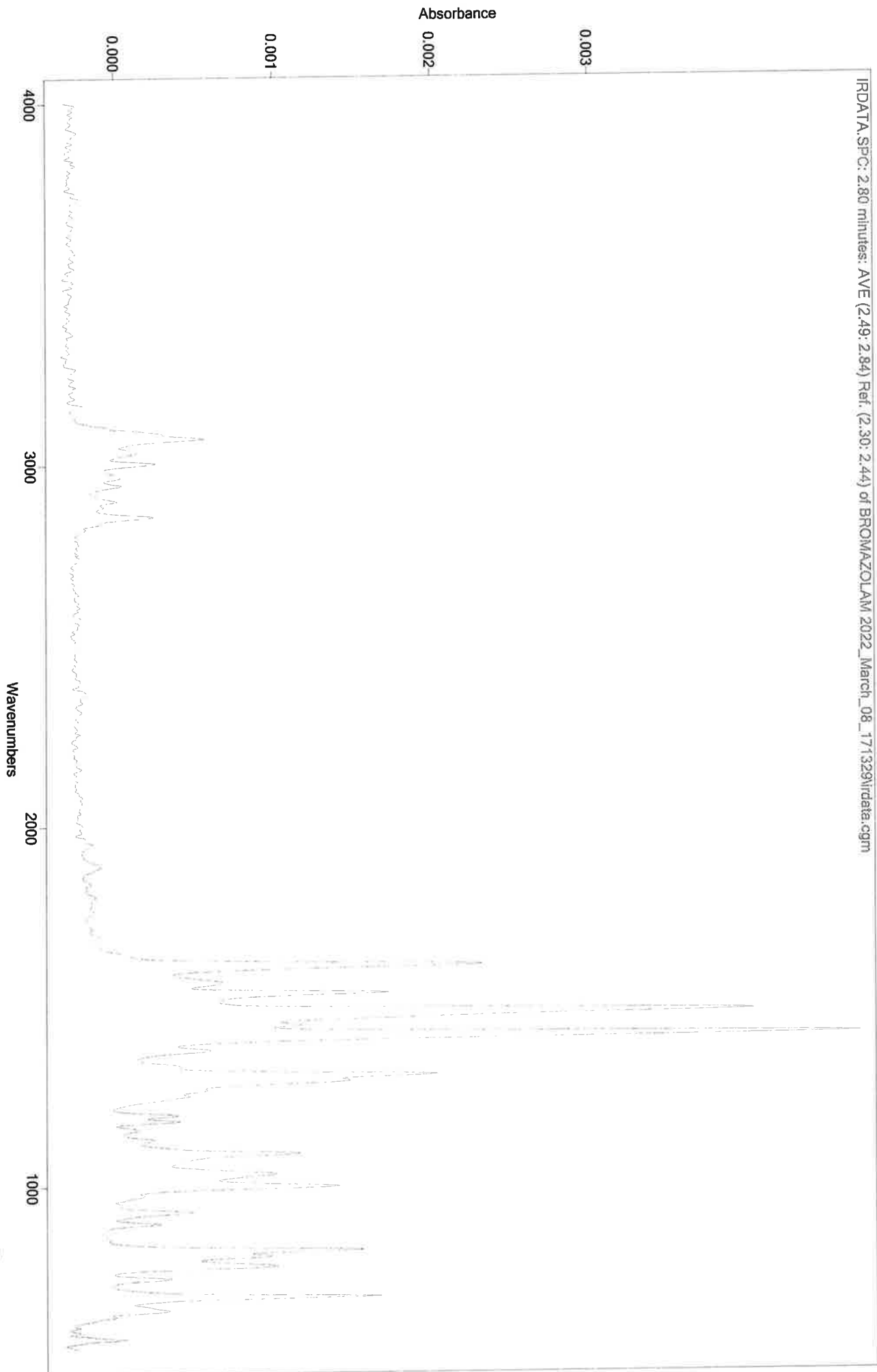
Data Filename	BROMAZOLAM 2022_March_08_171329
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT SPLITLESS IRD3 EXT METHOD
IRD Method	IRD3 EXT
GC Method	SL200TO270(30MIN)
GC Vial	16
Sample Name	BROMAZOLAM
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Tue Mar 08 17:49:00 2022
Date Processed	Wed Mar 09 09:15:18 2022



IRDATA.SPC: 2.80 minutes: AVE (2.49: 2.84) Ref. (2.30: 2.44) of BROMAZOLAM
2022_March_08_171329.cgm

Bromazolam

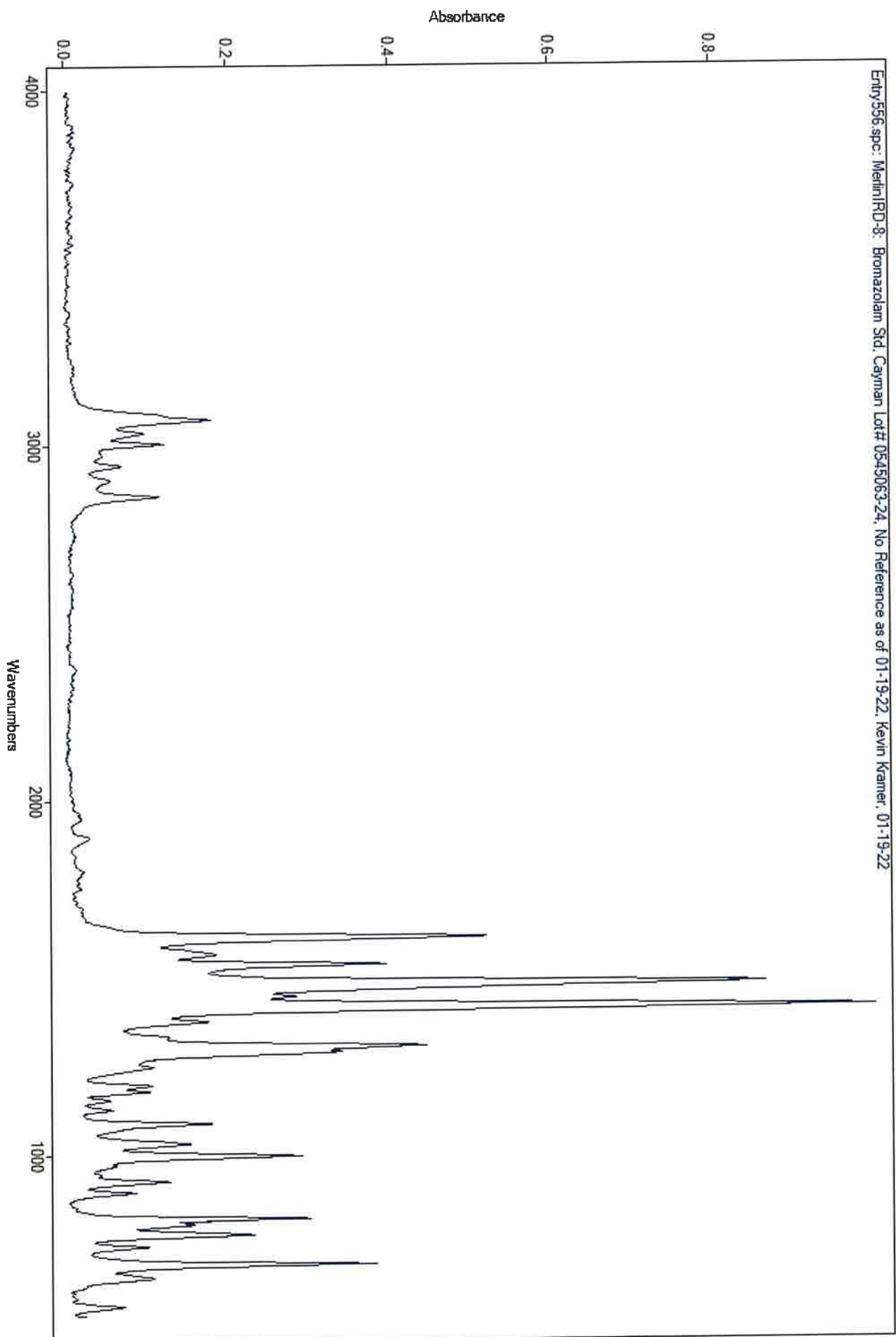
UAT



Sample: Bromazepam
Instrument: Merlin
Data: C:/Database/Merlin/RD-8/Entry556.spc

Analyst: Kevin Kramer
Date Printed: 01/19/2022

AK

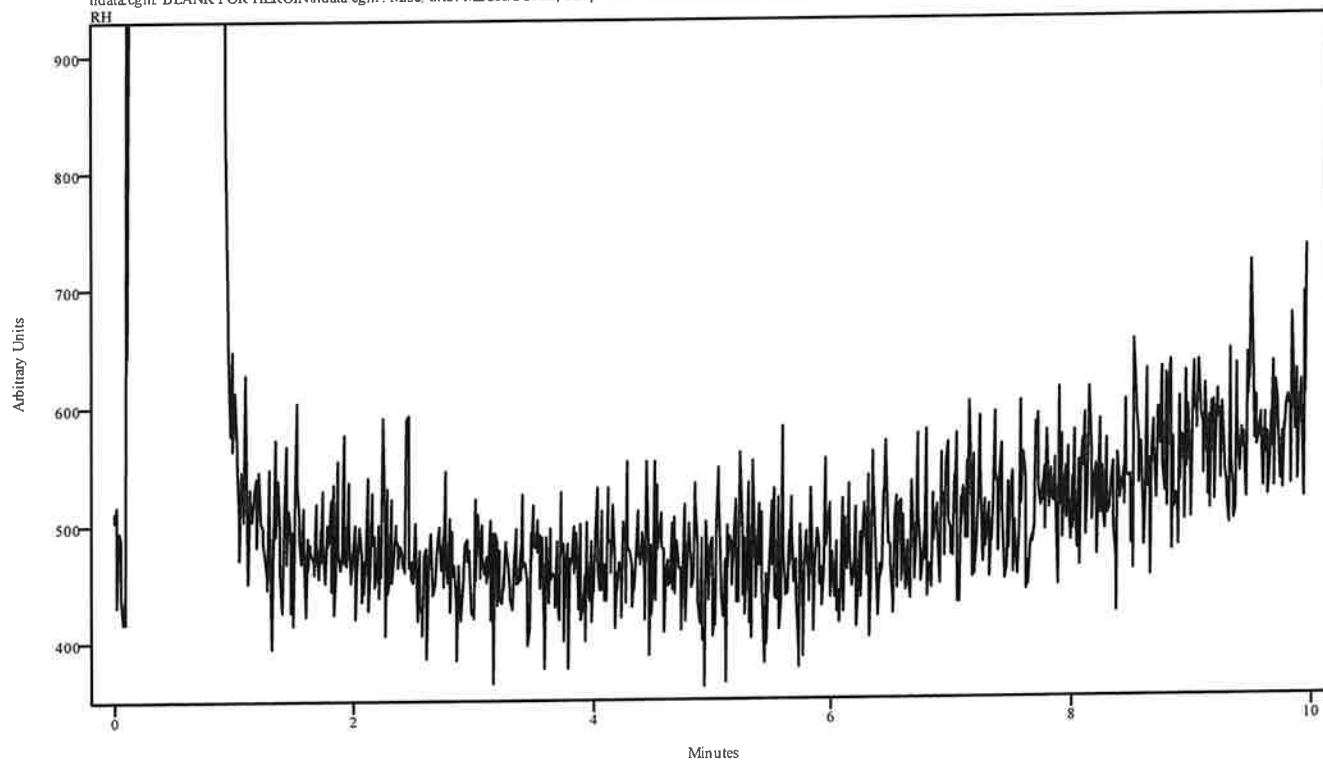


CH

IRD Data Analysis Report

Data Filename	BLANK FOR HEROIN
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT SPLITLESS IRD3 EXT METHOD/BLANK FOR HEROIN
IRD Method	IRD3 EXT
GC Method	SL90TO270@35C
GC Vial	2
Sample Name	BLANK FOR HEROIN
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Tue Mar 08 18:05:34 2022
Date Processed	Wed Mar 09 09:19:43 2022

irdata.cgm: BLANK FOR HEROINirdata.cgm: Misc. Info: MEOH:CURIE; Sample: BLANK FOR HEROIN; User:

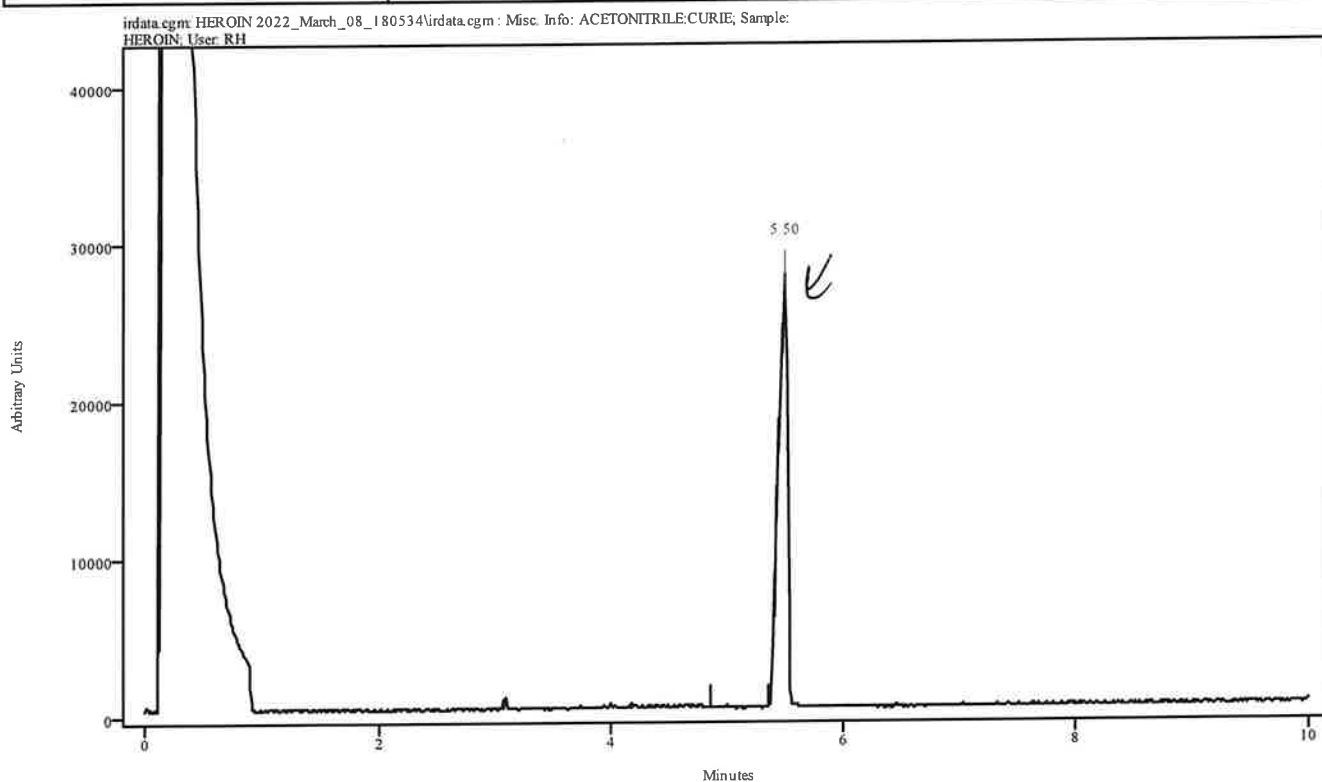


Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

MA

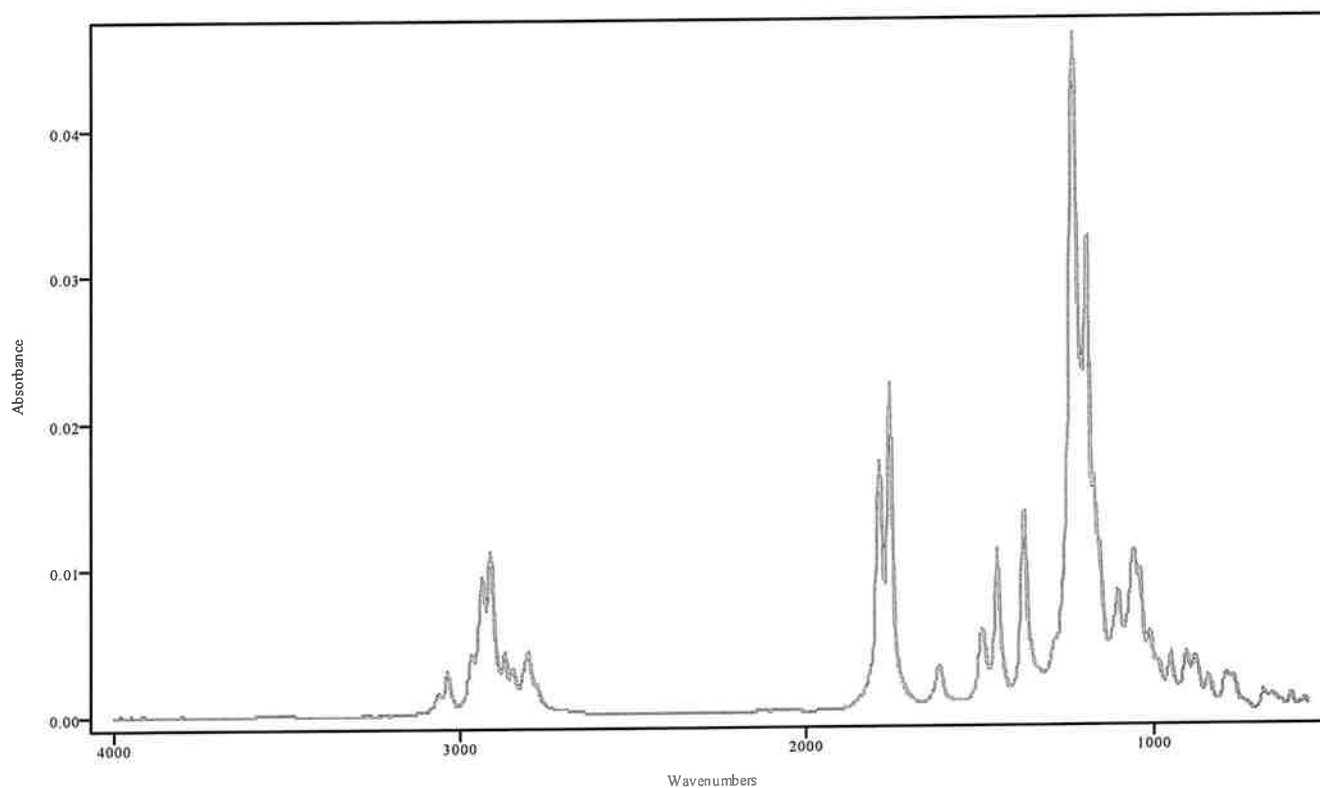
IRD Data Analysis Report

Data Filename	HEROIN 2022_March_08_180534
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT SPLITLESS IRD3 EXT METHOD
IRD Method	IRD3 EXT
GC Method	SL90TO270@35C
GC Vial	11
Sample Name	HEROIN
Misc. Info	ACETONITRILE:CURIE
User ID	RH
Injection Time	Tue Mar 08 18:21:53 2022
Date Processed	Wed Mar 09 09:20:07 2022



Peak Start	Peak End	Peak Width	Reference Start	Reference End
5.425	5.534	0.110	4.866	5.348

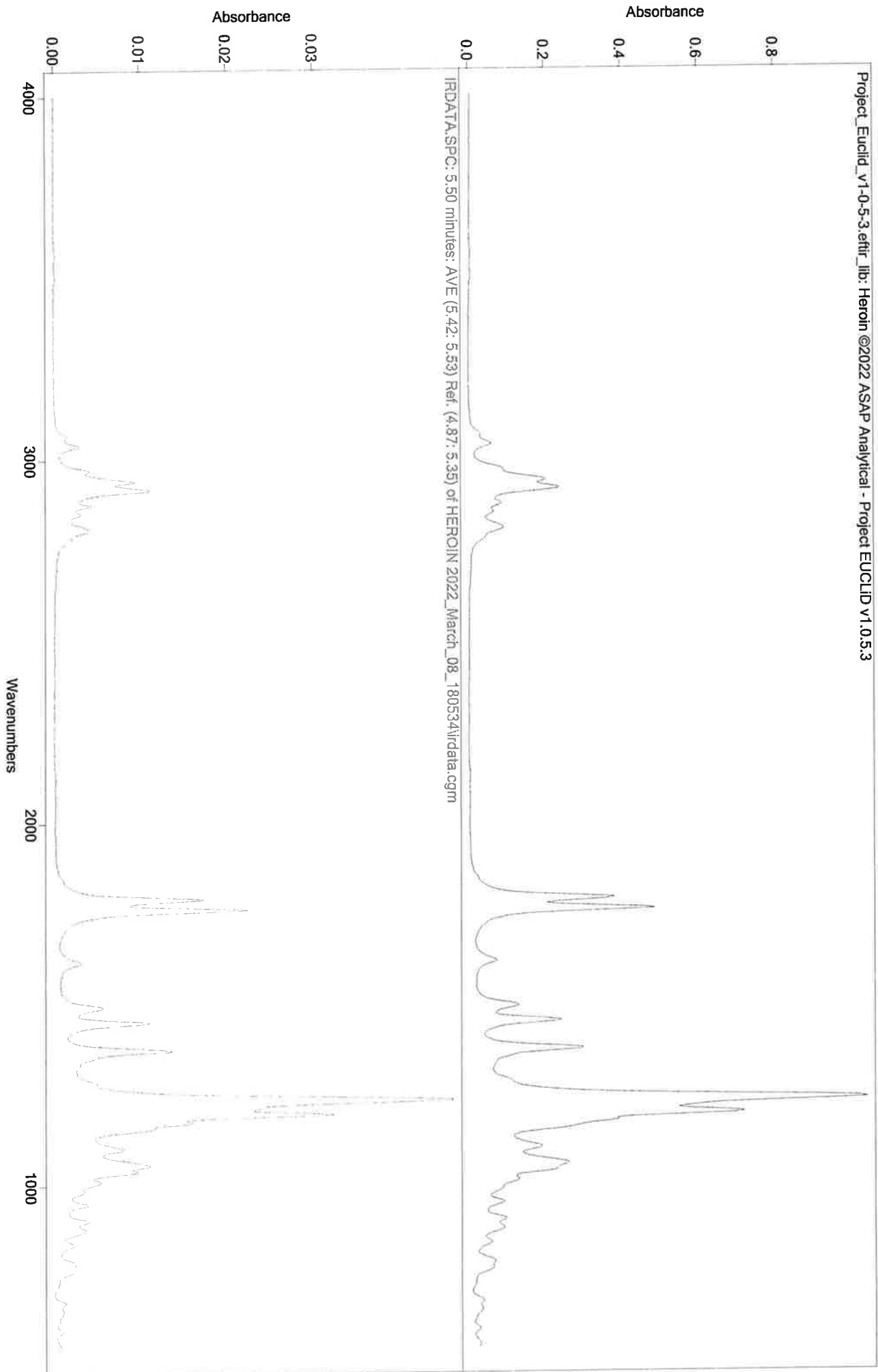
Data Filename	HEROIN 2022_March_08_180534
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT SPLITLESS IRD3 EXT METHOD
IRD Method	IRD3 EXT
GC Method	SL90TO270@35C
GC Vial	11
Sample Name	HEROIN
Misc. Info	ACETONITRILE:CURIE
User ID	RH
Injection Time	Tue Mar 08 18:21:53 2022
Date Processed	Wed Mar 09 09:20:07 2022



IRDATA.SPC: 5.50 minutes: AVE (5.42: 5.53) Ref. (4.87: 5.35) of HEROIN
 2022_March_08_180534.cgm

Heroin

CH

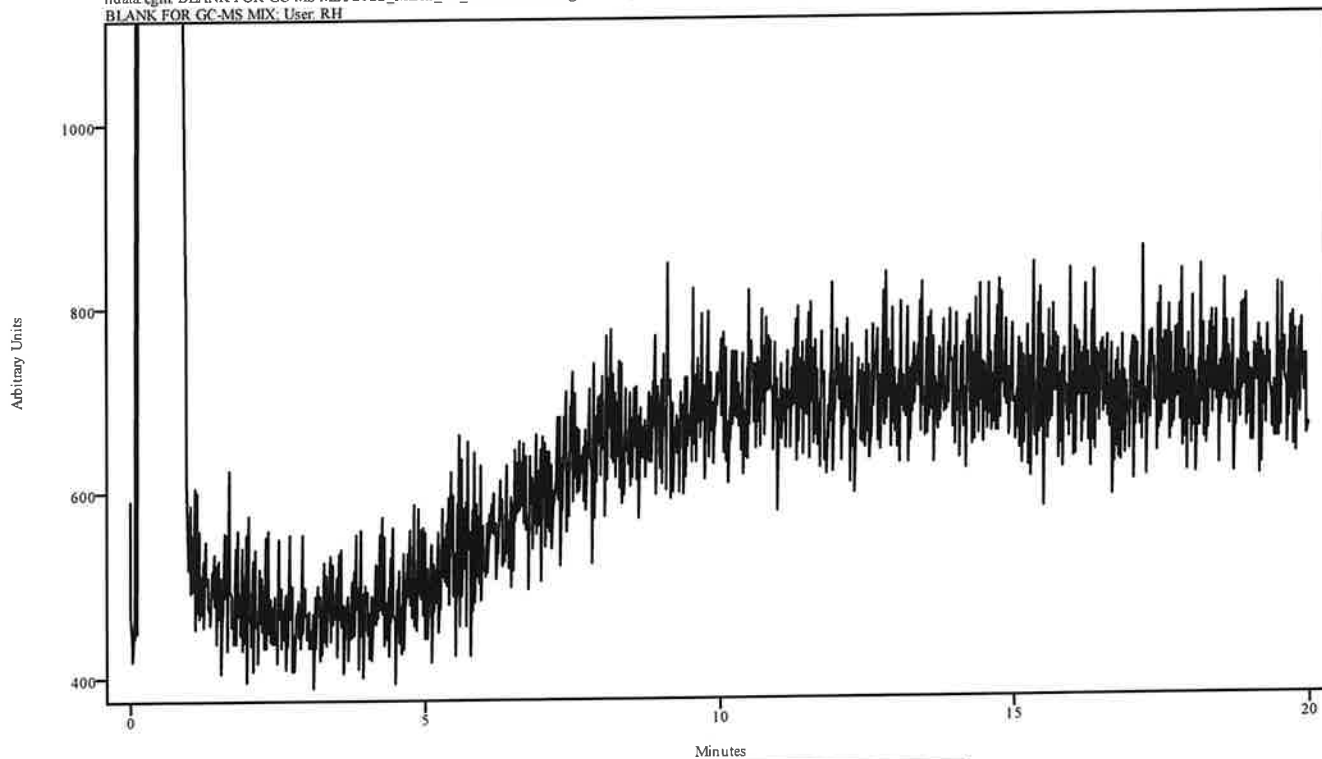


MA

IRD Data Analysis Report

Data Filename	BLANK FOR GC-MS MIX 2022_March_08_182153
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT SPLITLESS IRD3 EXT METHOD
IRD Method	IRD3 EXT
GC Method	SL90TO270(20MIN)
GC Vial	2
Sample Name	BLANK FOR GC-MS MIX
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Tue Mar 08 18:48:16 2022
Date Processed	Wed Mar 09 09:17:34 2022

irdata.cgm: BLANK FOR GC-MS MIX 2022_March_08_182153\irdata.cgm : Misc. Info: MEOH:CURIE; Sample: BLANK FOR GC-MS MIX; User: RH

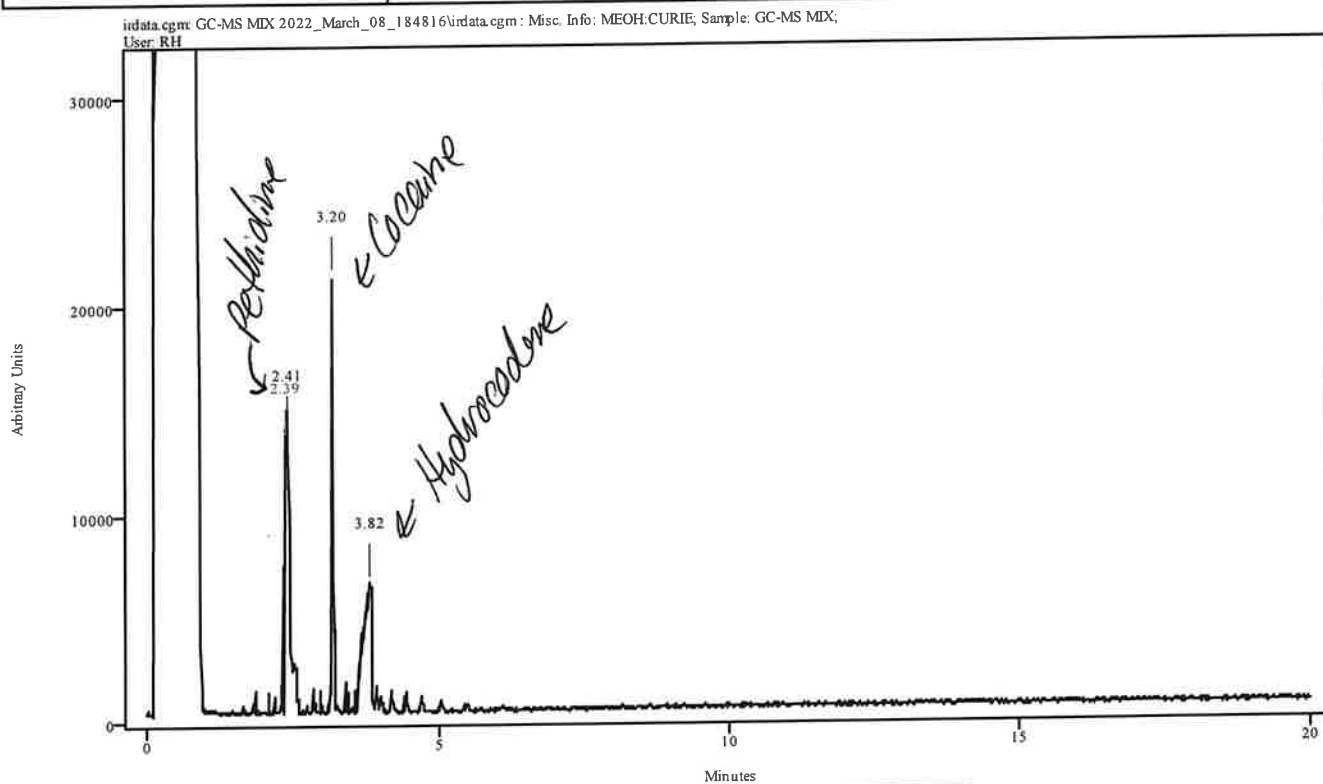


Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

IRD Data Analysis Report

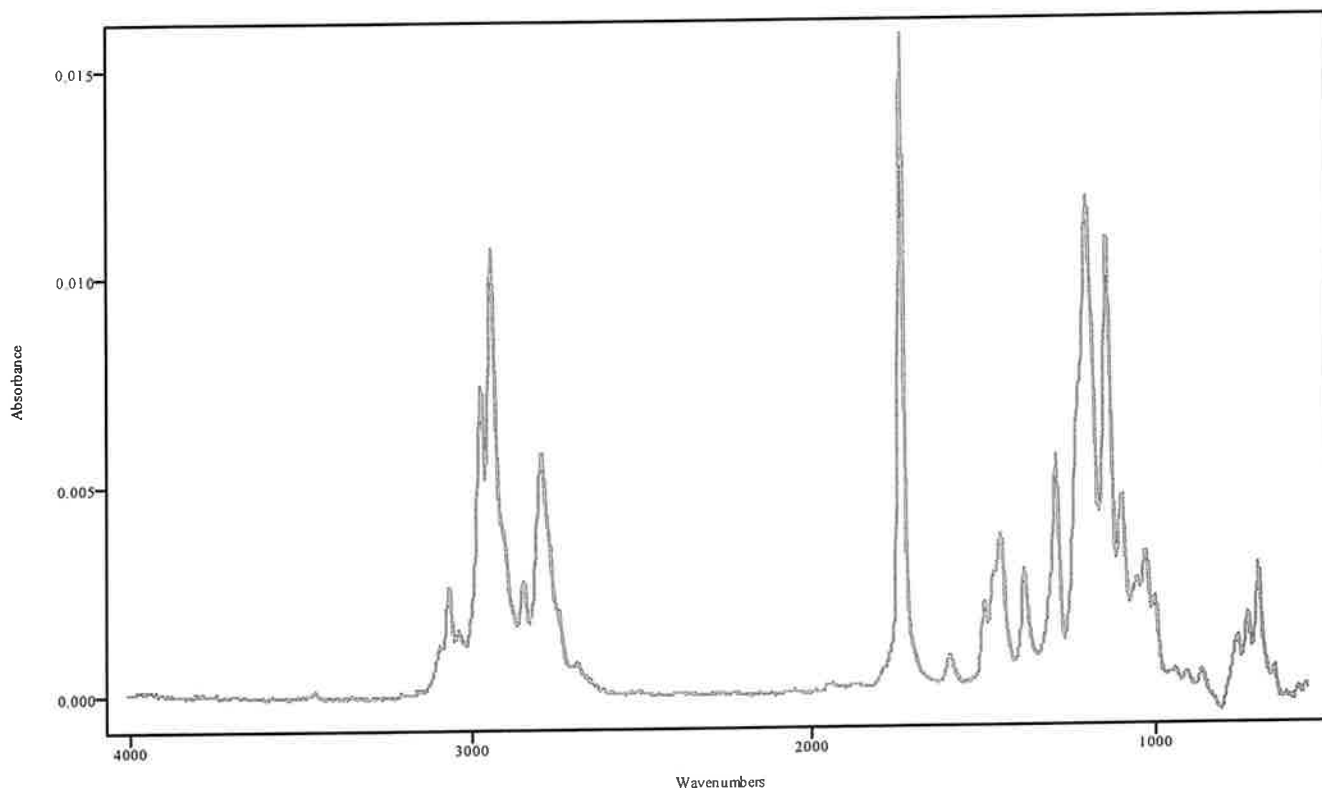
PH

Data Filename	GC-MS MIX 2022_March_08_184816
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT SPLITLESS IRD3 EXT METHOD
IRD Method	IRD3 EXT
GC Method	SL90TO270(20MIN)
GC Vial	17
Sample Name	GC-MS MIX
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Tue Mar 08 19:14:36 2022
Date Processed	Wed Mar 09 09:19:20 2022



Peak Start	Peak End	Peak Width	Reference Start	Reference End
2.356	2.446	0.088	2.104	2.323
2.400	2.455	0.055	2.104	2.323
3.178	3.222	0.044	2.970	3.145
3.660	3.858	0.197	3.448	3.559

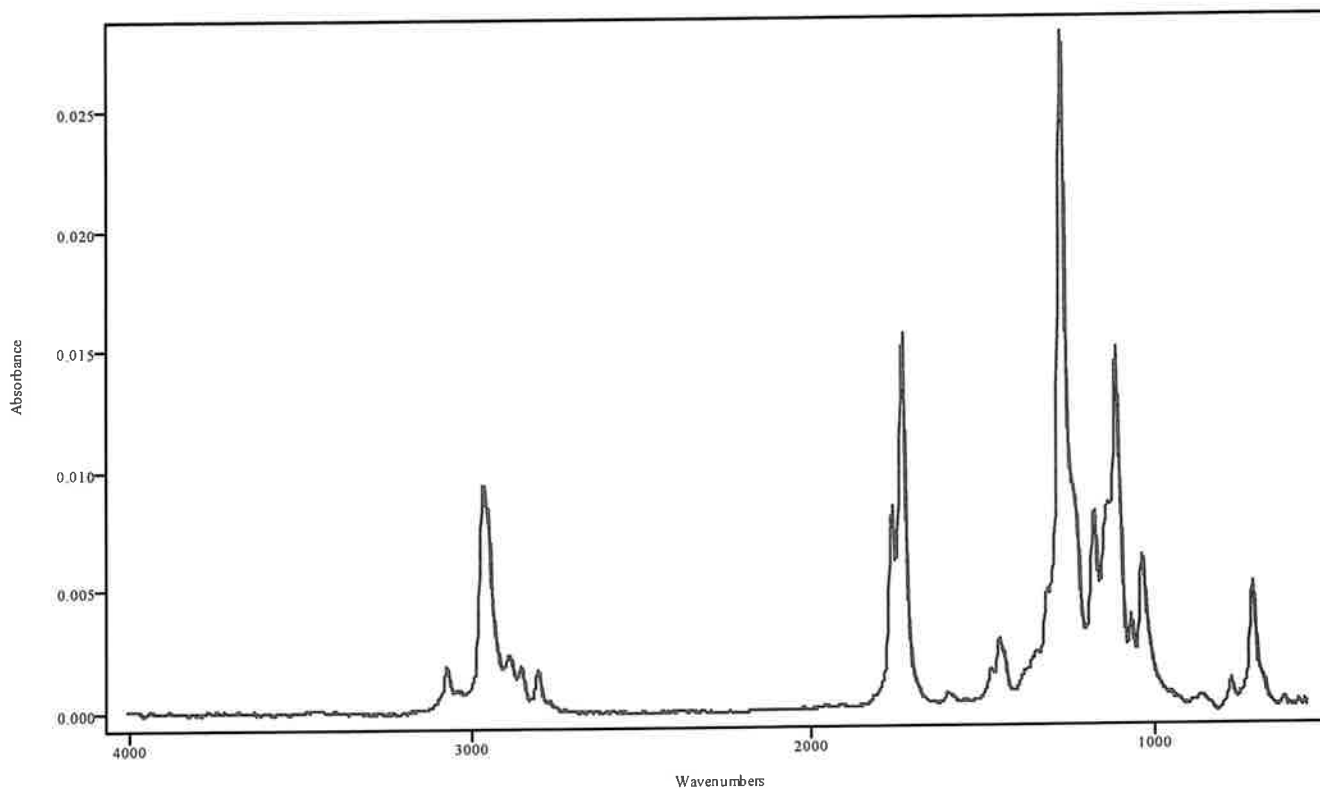
Data Filename	GC-MS MIX 2022_March_08_184816
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT SPLITLESS IRD3 EXT METHOD
IRD Method	IRD3 EXT
GC Method	SL90TO270(20MIN)
GC Vial	17
Sample Name	GC-MS MIX
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Tue Mar 08 19:14:36 2022
Date Processed	Wed Mar 09 09:19:20 2022



IRDATA.SPC: 2.39 minutes: AVE (2.36: 2.44) Ref. (2.10: 2.32) of GC-MS MIX
 2022_March_08_184816.cgm

Ref. 2.10: 2.32

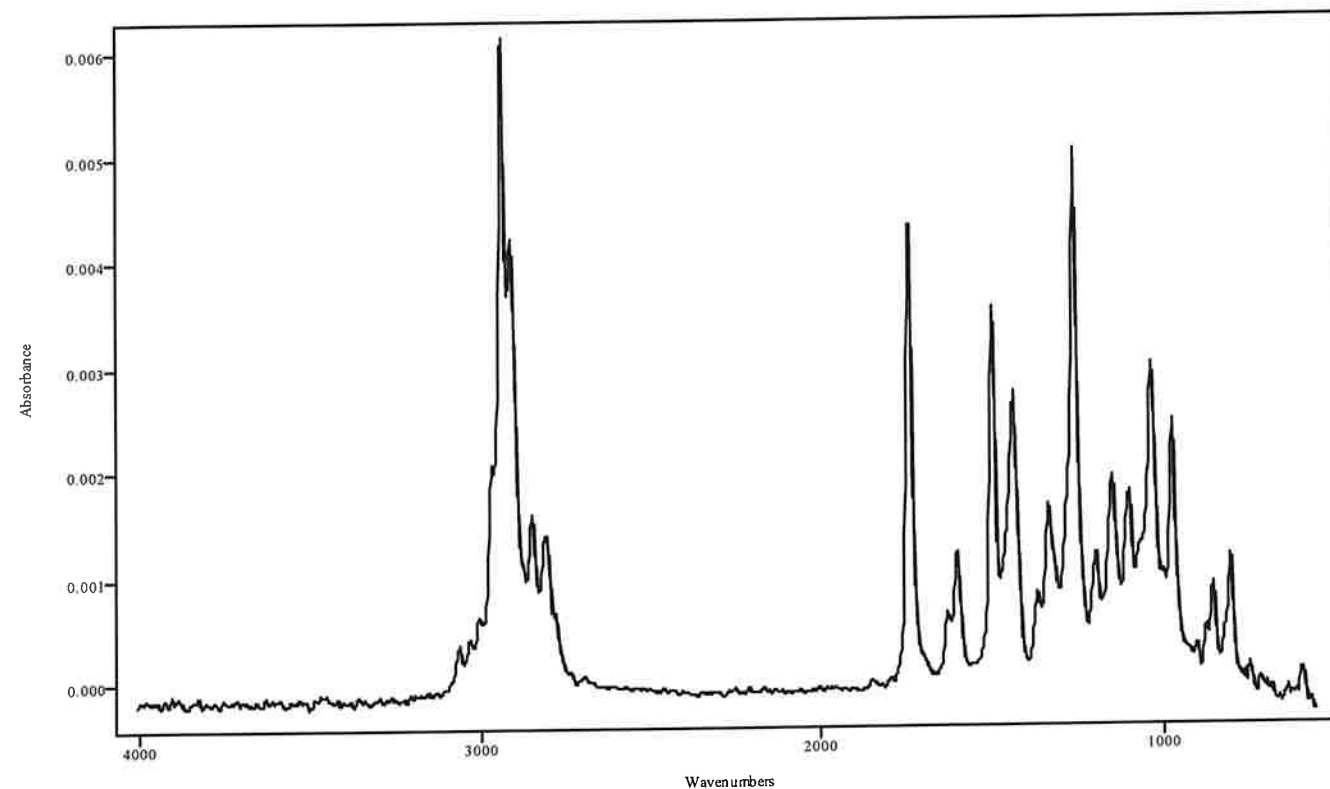
Data Filename	GC-MS MIX 2022_March_08_184816
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT SPLITLESS IRD3 EXT METHOD
IRD Method	IRD3 EXT
GC Method	SL90TO270(20MIN)
GC Vial	17
Sample Name	GC-MS MIX
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Tue Mar 08 19:14:36 2022
Date Processed	Wed Mar 09 09:19:20 2022



IRDATA.SPC: 3.20 minutes: AVE (3.18: 3.22) Ref. (2.97: 3.15) of GC-MS MIX
 2022_March_08_184816.cgm

~~Hydrocodone~~ Cocaine
 RH

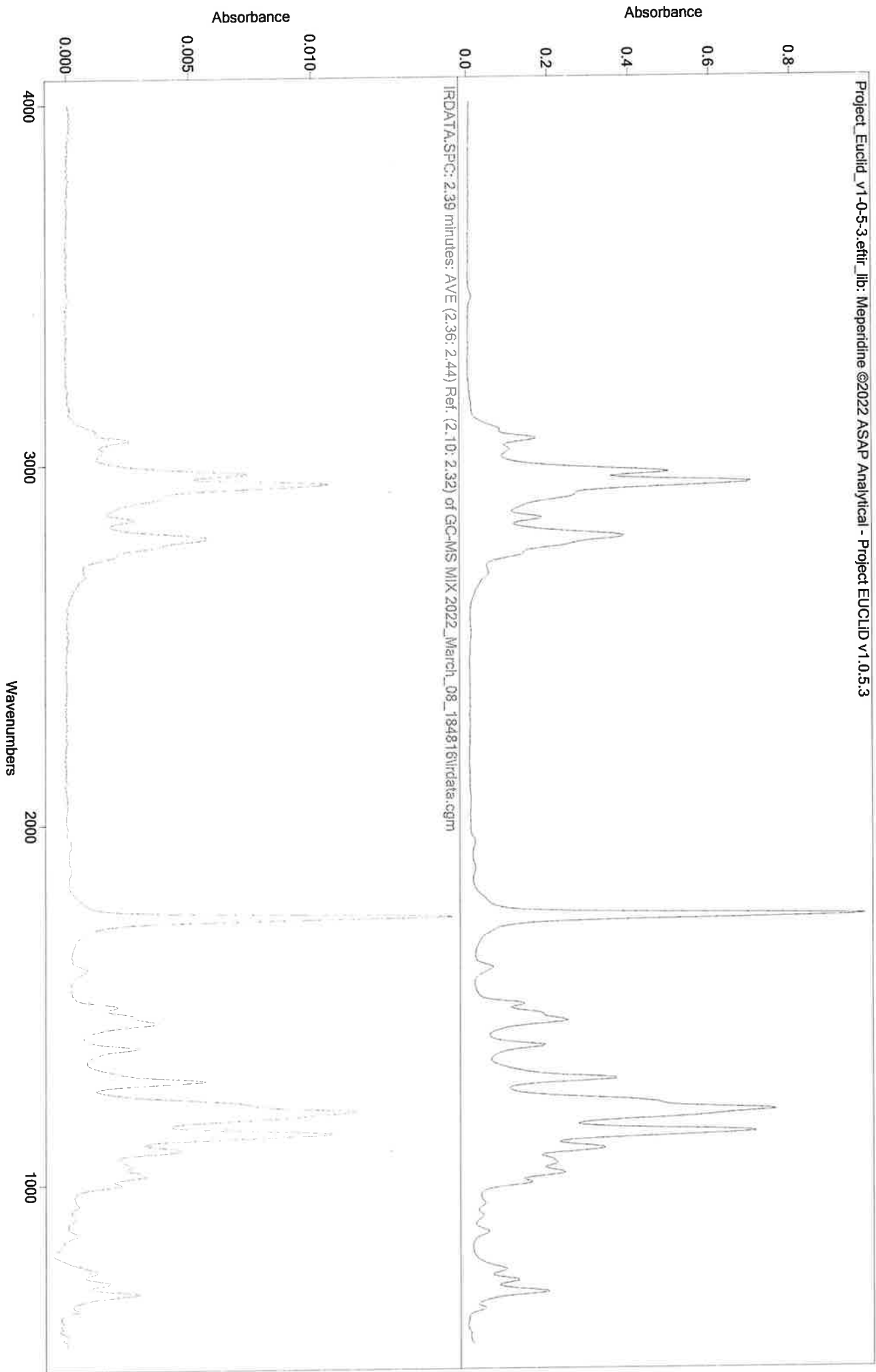
Data Filename	GC-MS MIX 2022_March_08_184816
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT SPLITLESS IRD3 EXT METHOD
IRD Method	IRD3 EXT
GC Method	SL90TO270(20MIN)
GC Vial	17
Sample Name	GC-MS MIX
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Tue Mar 08 19:14:36 2022
Date Processed	Wed Mar 09 09:19:20 2022



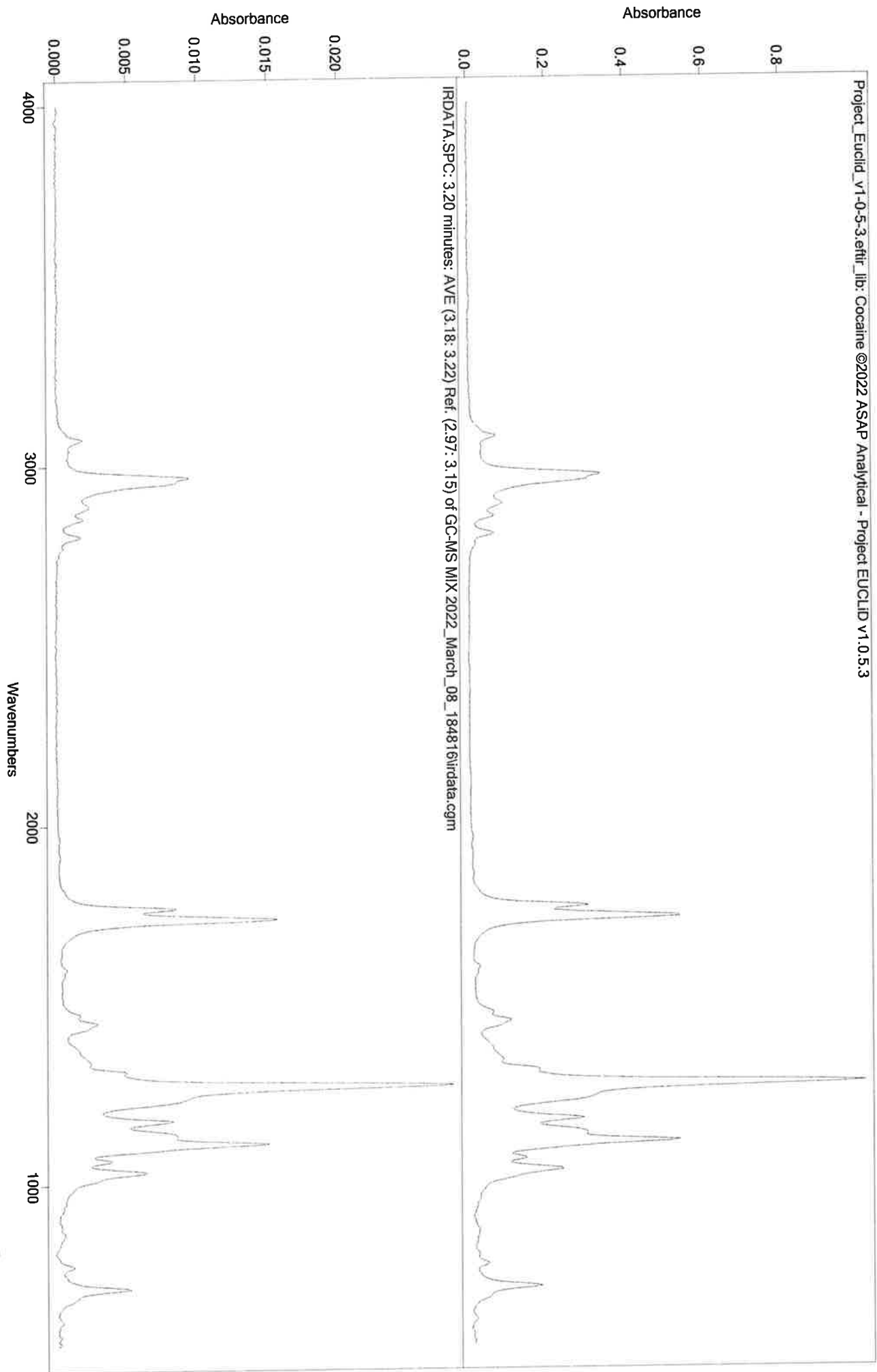
IRDATA.SPC: 3.82 minutes: AVE (3.66: 3.86) Ref. (3.45: 3.56) of GC-MS MIX
2022_March_08_184816.cgm

Hydrocodone

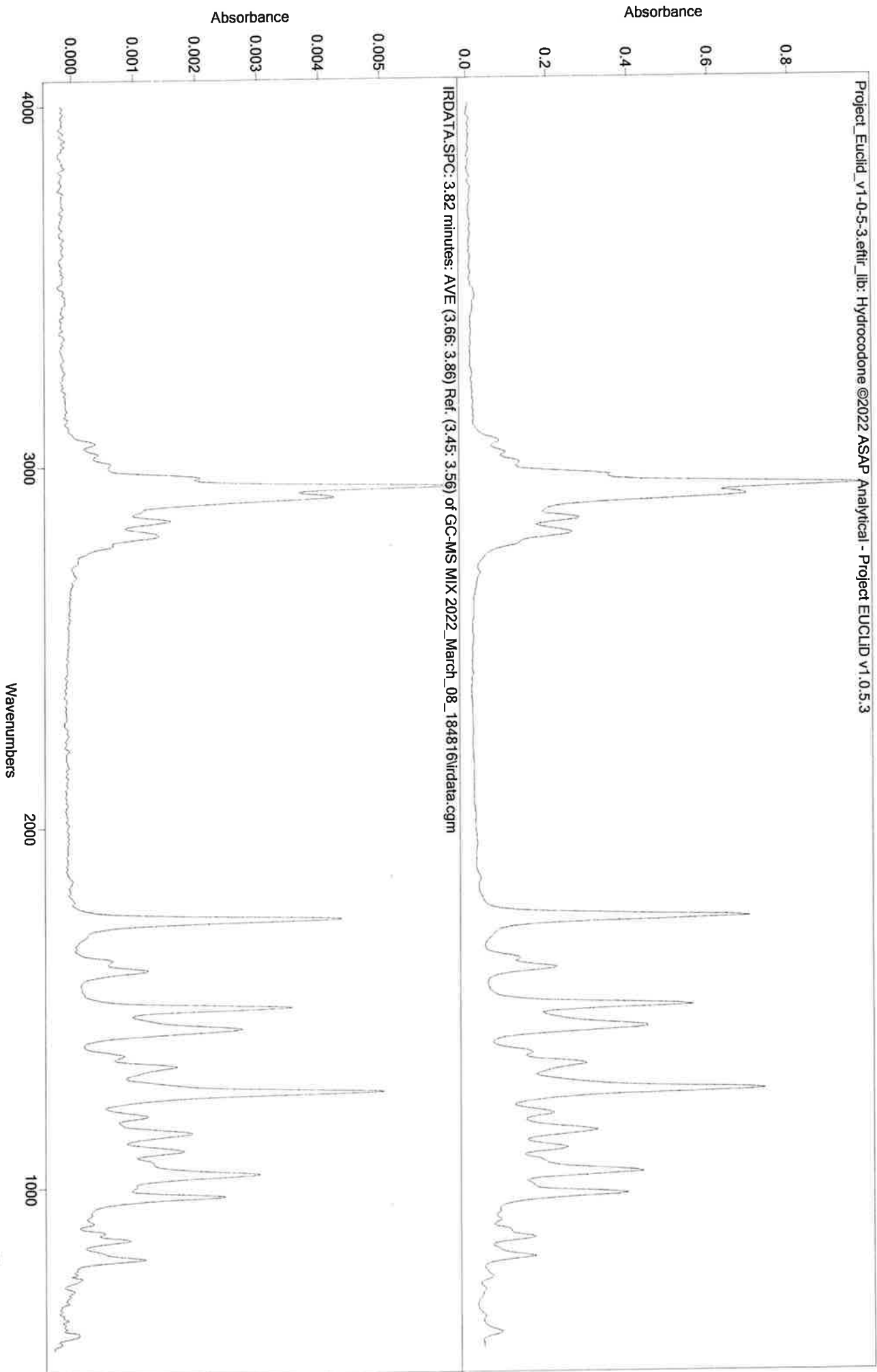
CH



CA



CH

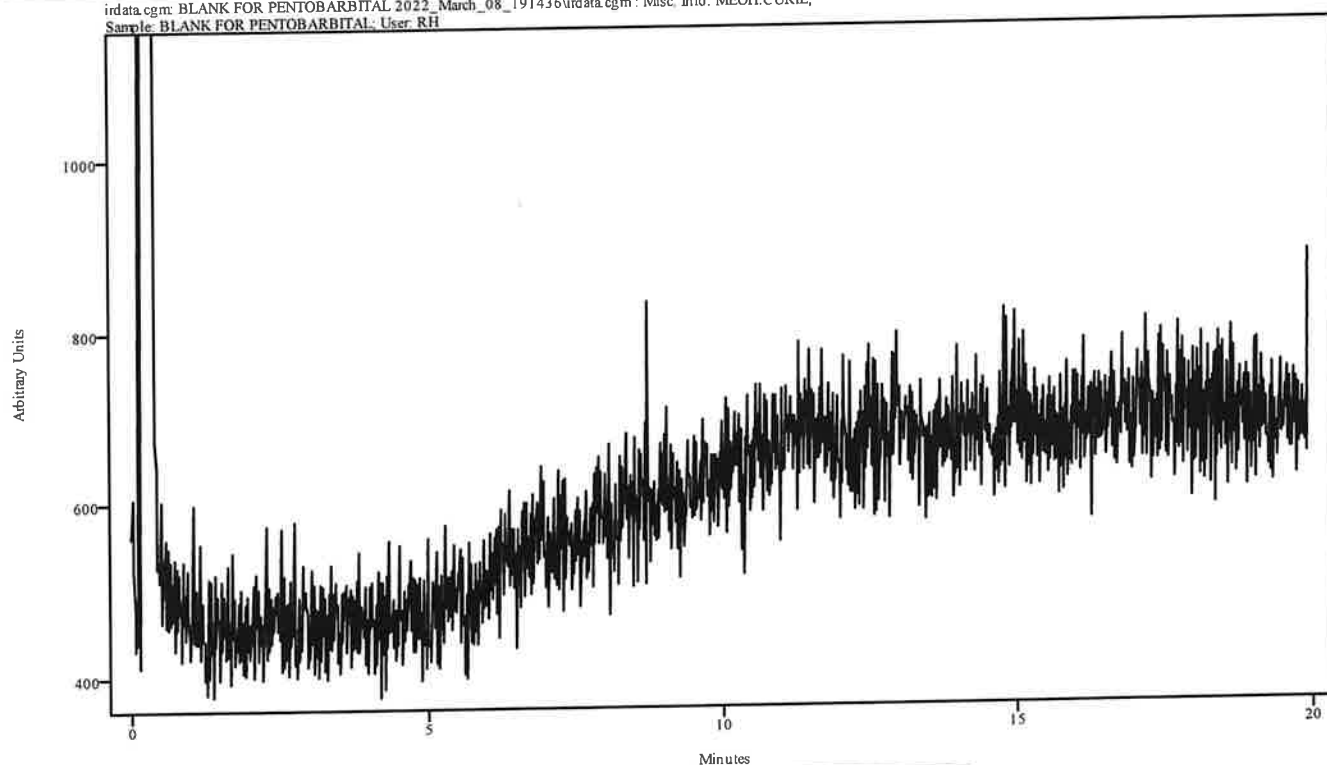


IRD Data Analysis Report

RH

Data Filename	BLANK FOR PENTOBARBITAL 2022_March_08_191436
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT SPLITLESS IRD3 EXT METHOD
IRD Method	IRD3 EXT
GC Method	90TO270(20MIN)
GC Vial	2
Sample Name	BLANK FOR PENTOBARBITAL
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Tue Mar 08 19:40:59 2022
Date Processed	Wed Mar 09 09:24:37 2022

irdata.cgm: BLANK FOR PENTOBARBITAL 2022_March_08_191436\irdata.cgm : Misc. Info: MEOH:CURIE;
 Sample: BLANK FOR PENTOBARBITAL; User: RH

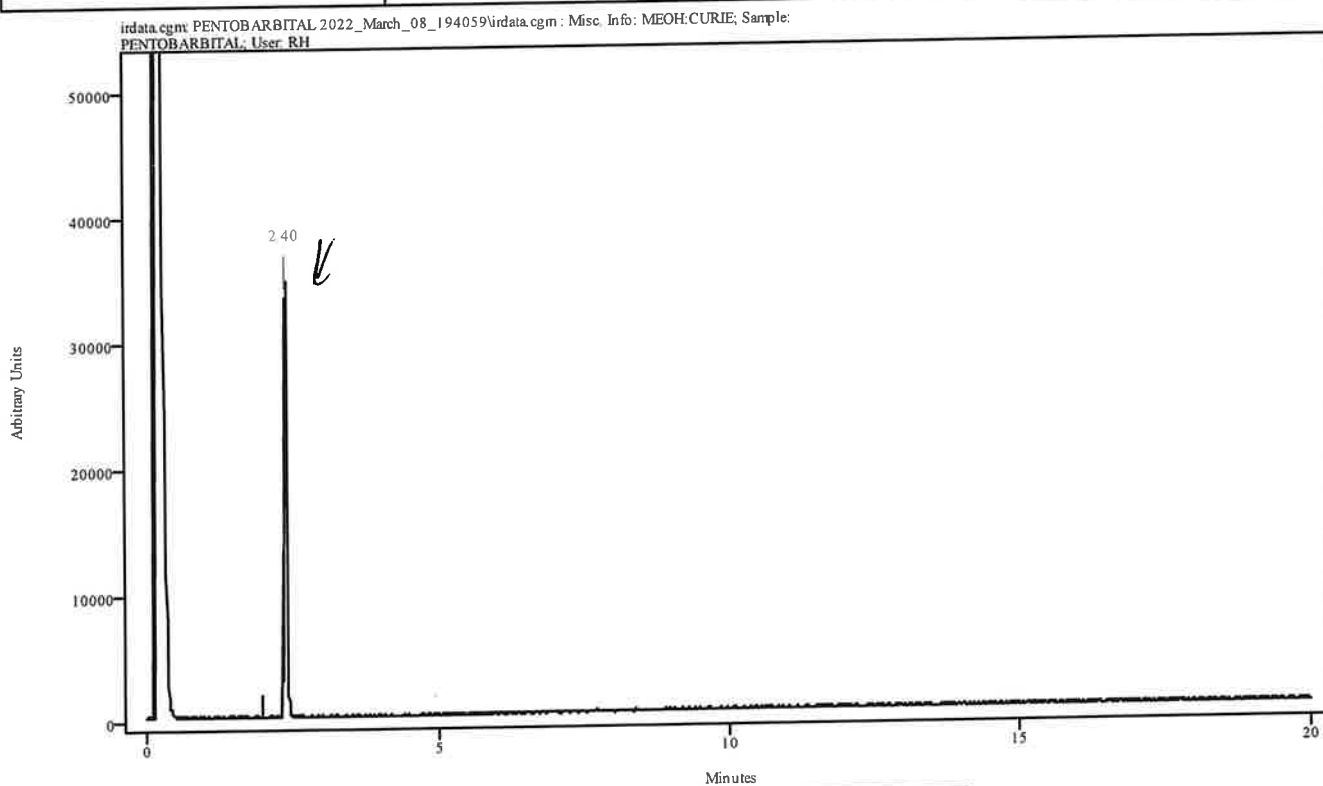


Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

MF

IRD Data Analysis Report

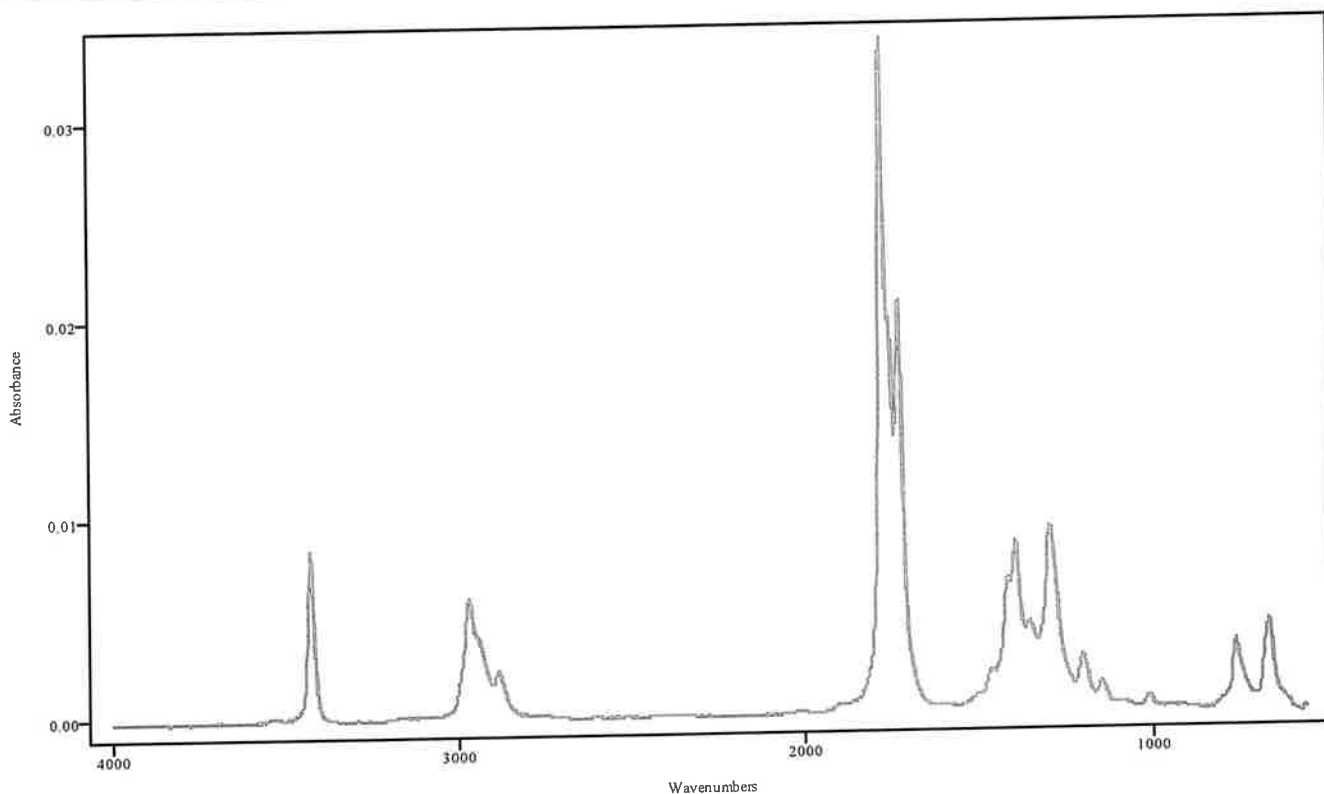
Data Filename	PENTOBARBITAL 2022_March_08_194059
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT SPLITLESS IRD3 EXT METHOD
IRD Method	IRD3 EXT
GC Method	90TO270(20MIN)
GC Vial	10
Sample Name	PENTOBARBITAL
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Tue Mar 08 20:07:26 2022
Date Processed	Wed Mar 09 09:25:08 2022



Peak Start	Peak End	Peak Width	Reference Start	Reference End
2.356	2.422	0.066	1.994	2.301

11

Data Filename	PENTOBARBITAL 2022_March_08_194059
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/SPLIT SPLITLESS IRD3 EXT METHOD
IRD Method	IRD3 EXT
GC Method	90TO270(20MIN)
GC Vial	10
Sample Name	PENTOBARBITAL
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Tue Mar 08 20:07:26 2022
Date Processed	Wed Mar 09 09:25:08 2022

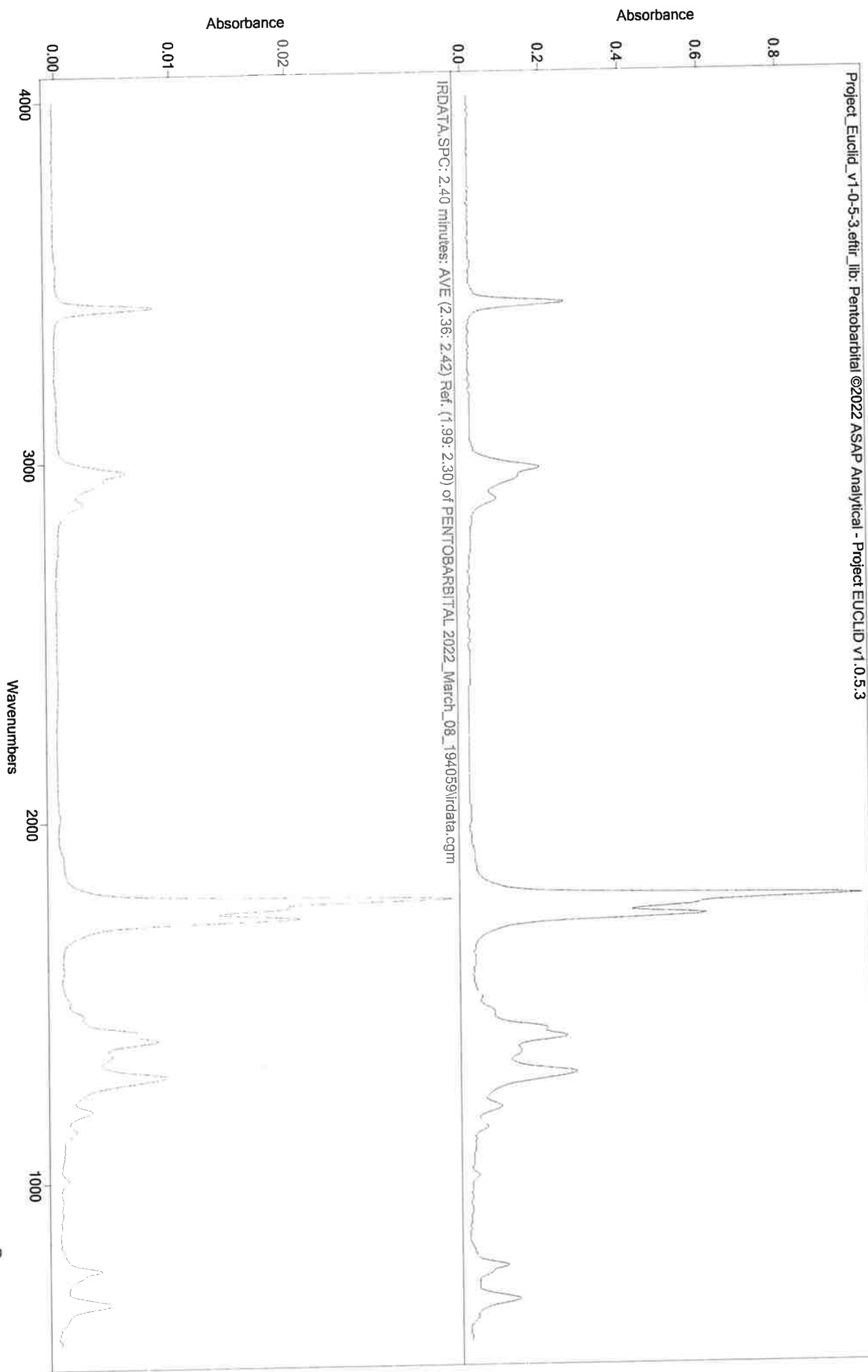


IRDATA.SPC: 2.40 minutes: AVE (2.36: 2.42) Ref. (1.99: 2.30) of PENTOBARBITAL
2022_March_08_194059.cgm

pentobarbital

IRDATA.SPC: 2.40 minutes: AVE (2.36: 2.42) Ref. (1.99: 2.30) of PENTOBARBITAL 2022_March_08_194059\irdata.cgm

114



Sequence Name: MANUAL SPLIT METHOD PC 3-7-22

MA

Sample Path: C:\ASAP DATA\PERFORMANCE CHECK\MANUAL SPLIT METHODS

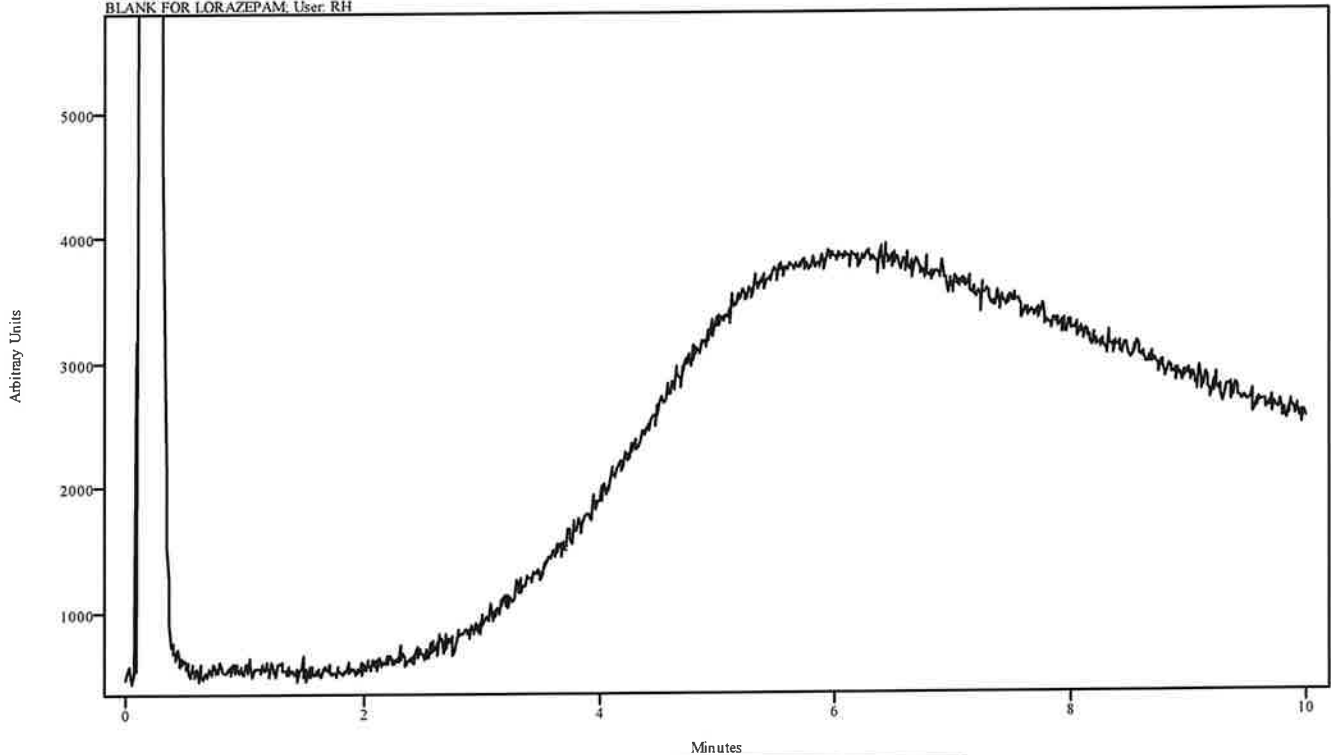
Type	IRD Method	GC Method	Vial	Sample ID	Data File	Solvent/Extract	Instrument ID
1	IRD3	MAN90TO270	1	BLANK FOR	BLANK FOR	MEOH	CURIE
2	IRD3	MAN90TO270	3	LORAZEPAM	LORAZEPAM	MEOH	CURIE
3	IRD3	MAN200TO27	1	BLANK FOR	BLANK FOR	MEOH	CURIE
4	IRD3	MAN200TO27	4	NANDROLONE	NANDROLONE	MEOH	CURIE
5	IRD3	MAN200TO27	1	BLANK FOR	BLANK FOR	MEOH	CURIE
6	IRD3	MAN200TO27	6	TESTOSTERO	TESTOST BE	MEOH	CURIE
7	IRD3	MAN90TO270	1	BLANK FOR	BLANK FOR	MEOH	CURIE
8	IRD3	MAN90TO270	8	N,N DMT	N,N DMT \$(	MEOH	CURIE
9	IRD3	MAN90TO270	2	BLANK FOR	BLANK FOR	MEOH	CURIE
10	IRD3	MAN90TO270	11	HEROIN	HEROIN \$(D	ACETONITRILE	CURIE
11	IRD3	MAN200TO27	2	BLANK FOR	BLANK FOR	MEOH	CURIE
12	IRD3	MAN200TO27	15	BUPRENORPH	BUPRENORPH	MEOH	CURIE
13	IRD3	MAN90TO270	2	BLANK FOR	BLANK FOR	MEOH	CURIE
14	IRD3	MAN90TO270	10	PENTOBARBI	PENTOBARBI	MEOH	CURIE

JA

IRD Data Analysis Report

Data Filename	BLANK FOR LORAZEPAM 2022_March_07_093639
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/MANUAL SPLIT METHODS
IRD Method	IRD3
GC Method	MAN90TO270
GC Vial	1
Sample Name	BLANK FOR LORAZEPAM
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 07 09:47:49 2022
Date Processed	Mon Mar 07 11:12:16 2022

irdata.cgm: BLANK FOR LORAZEPAM 2022_March_07_093639\irdata.cgm : Misc. Info: MEOH:CURIE; Sample: BLANK FOR LORAZEPAM; User: RH

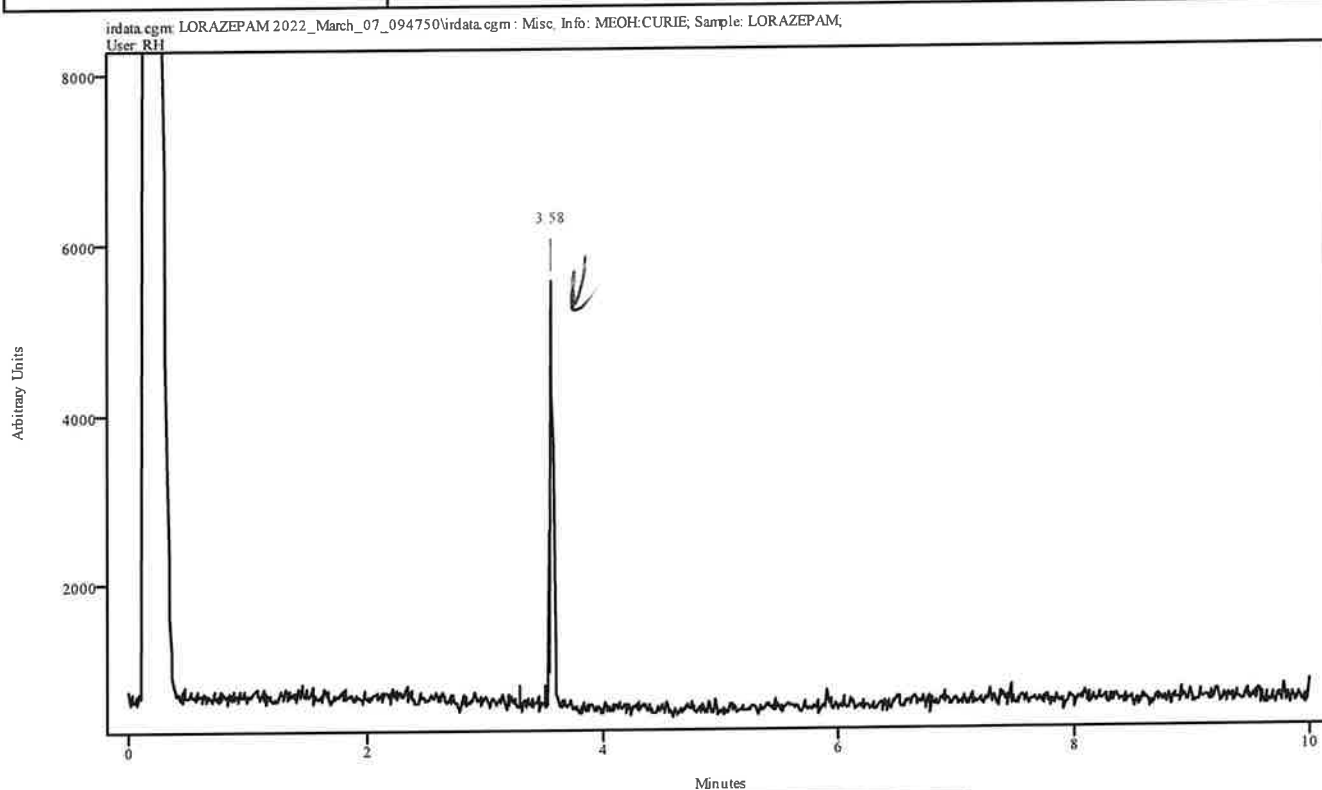


Peak Start	Peak End	Peak Width	Reference Start	Reference End

IRD Data Analysis Report

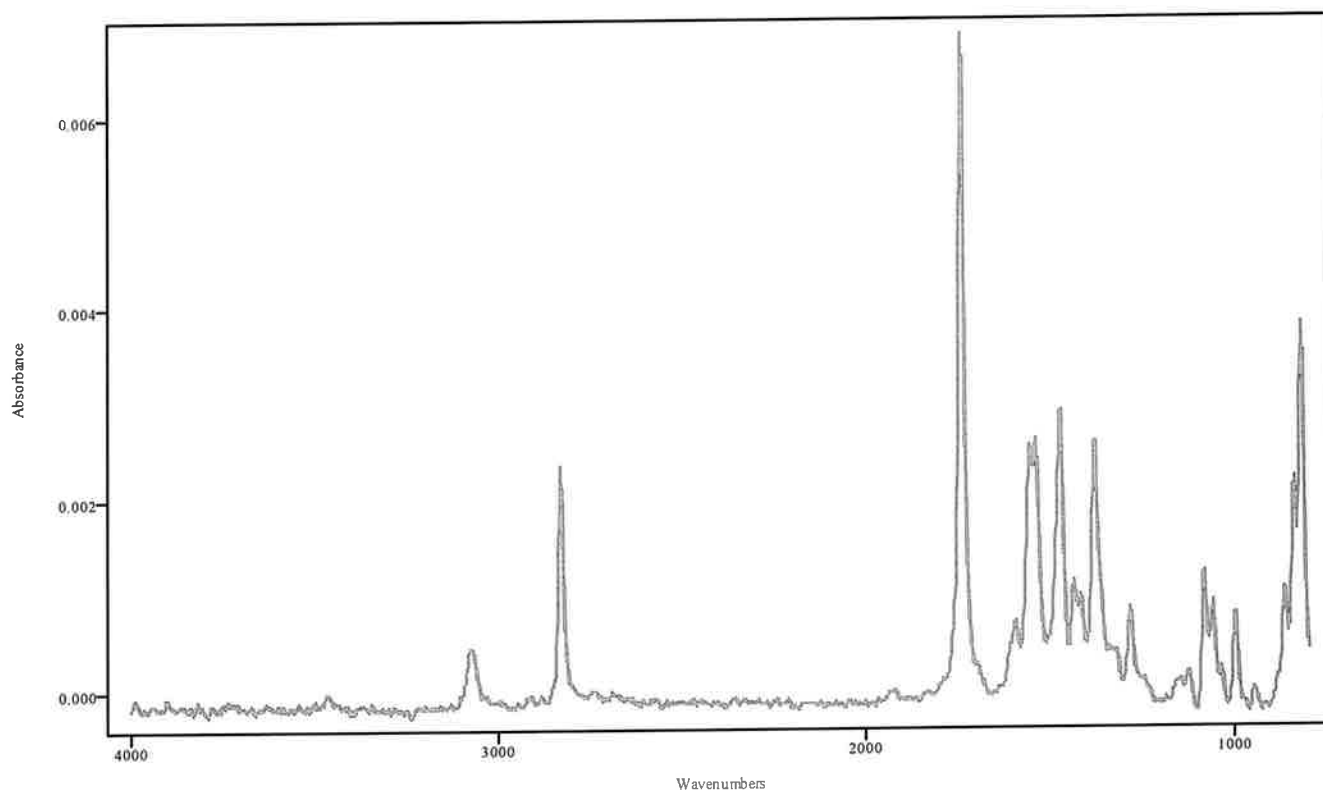
HA

Data Filename	LORAZEPAM 2022_March_07_094750
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/MANUAL SPLIT METHODS
IRD Method	IRD3
GC Method	MAN90TO270
GC Vial	3
Sample Name	LORAZEPAM
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 07 10:02:21 2022
Date Processed	Mon Mar 07 11:12:55 2022



Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.555	3.599	0.044	3.302	3.522

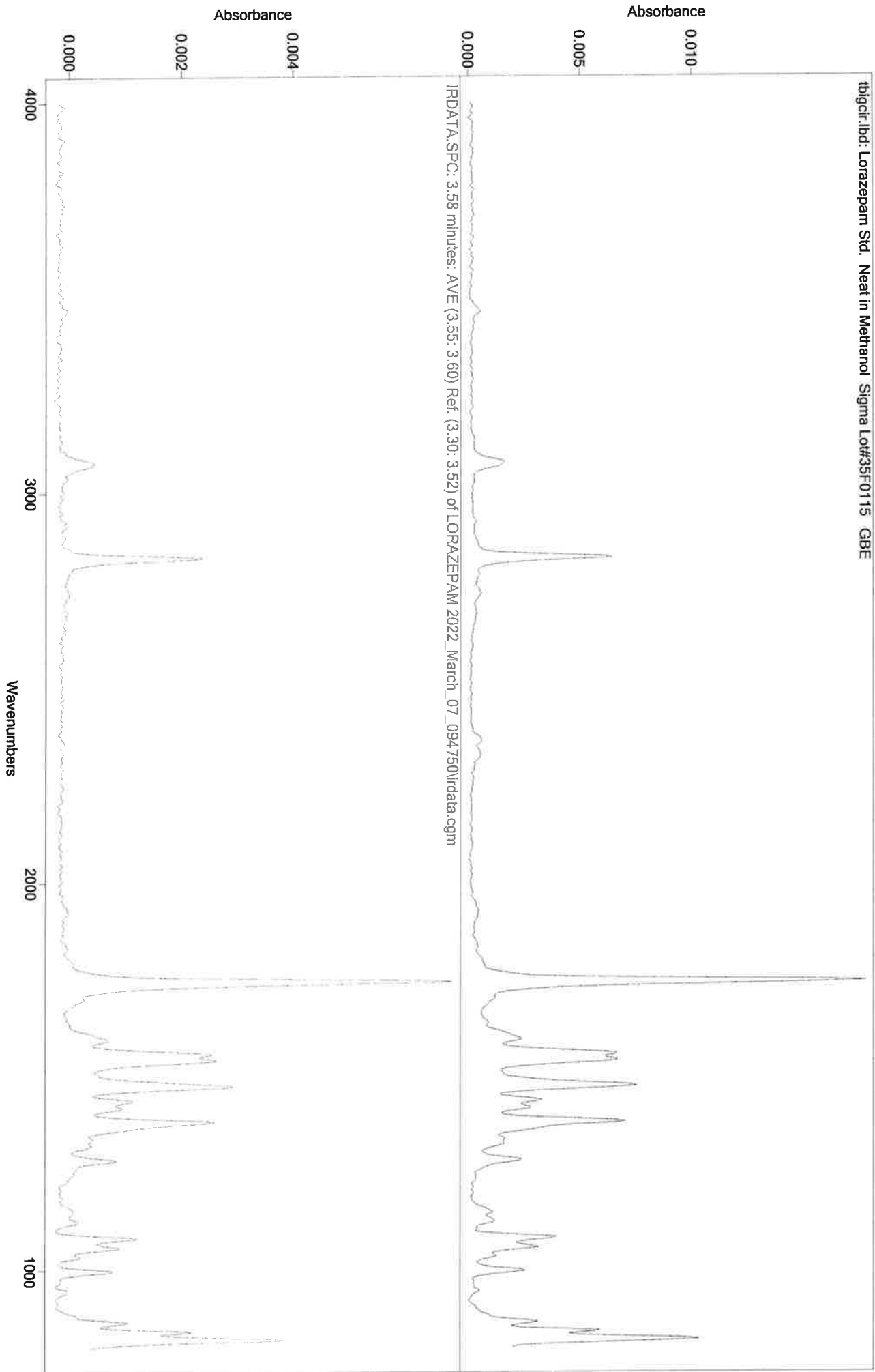
Data Filename	LORAZEPAM 2022_March_07_094750
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/MANUAL SPLIT METHODS
IRD Method	IRD3
GC Method	MAN90TO270
GC Vial	3
Sample Name	LORAZEPAM
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 07 10:02:21 2022
Date Processed	Mon Mar 07 11:12:55 2022



IRDATA.SPC: 3.58 minutes: AVE (3.55: 3.60) Ref. (3.30: 3.52) of LORAZEPAM
 2022_March_07_094750.cgm

Lorazepam

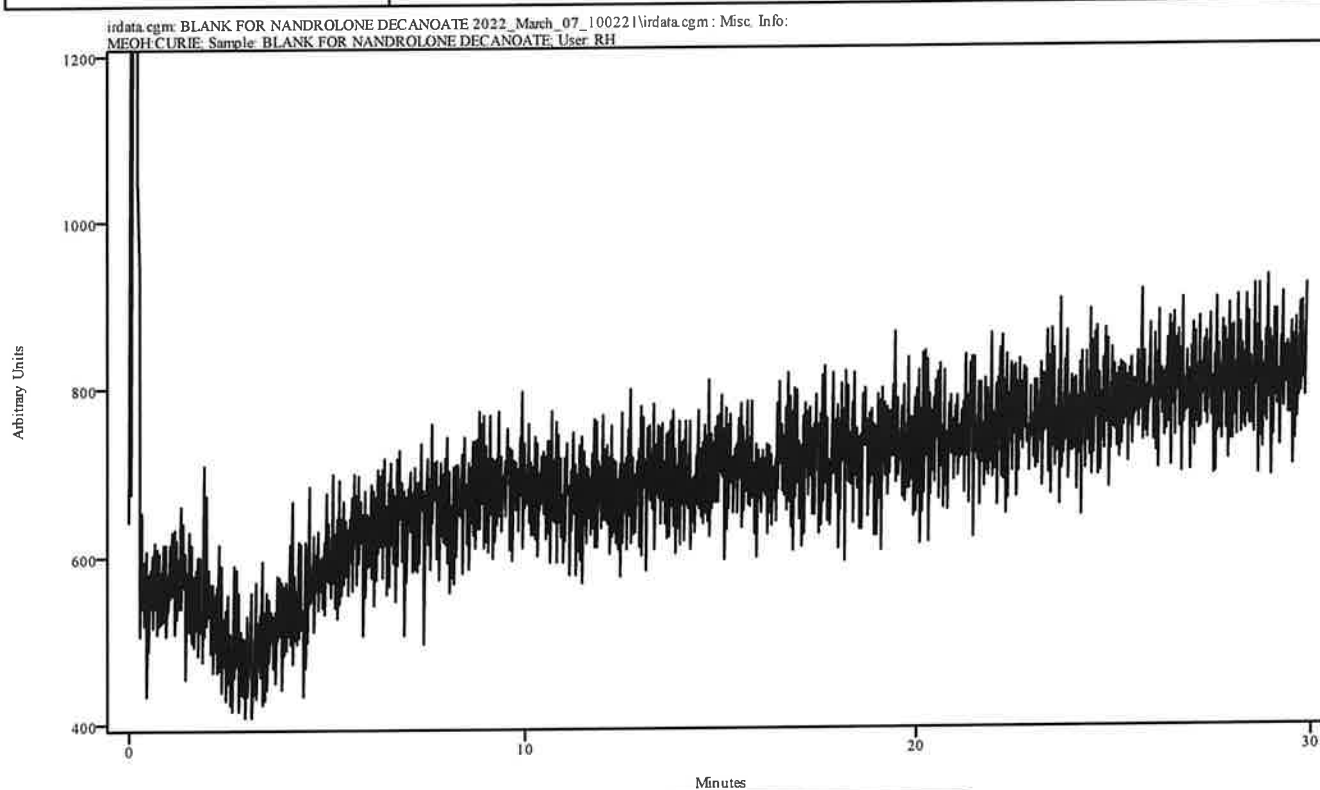
CH



IRD Data Analysis Report

JH

Data Filename	BLANK FOR NANDROLONE DECANOATE 2022_March_07_100221
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/MANUAL SPLIT METHODS
IRD Method	IRD3
GC Method	MAN200TO270(30MIN)
GC Vial	1
Sample Name	BLANK FOR NANDROLONE DECANOATE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 07 10:37:41 2022
Date Processed	Mon Mar 07 11:13:18 2022



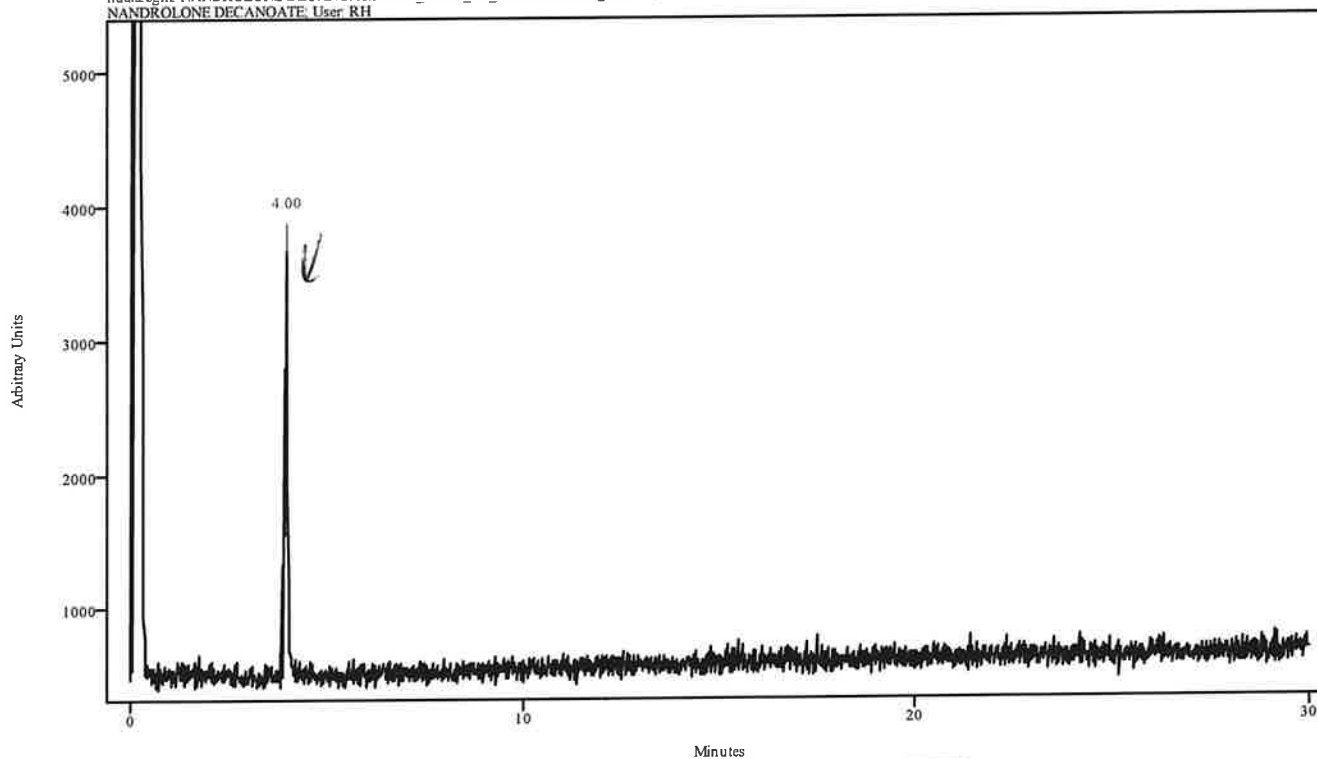
Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

IRD Data Analysis Report

CH

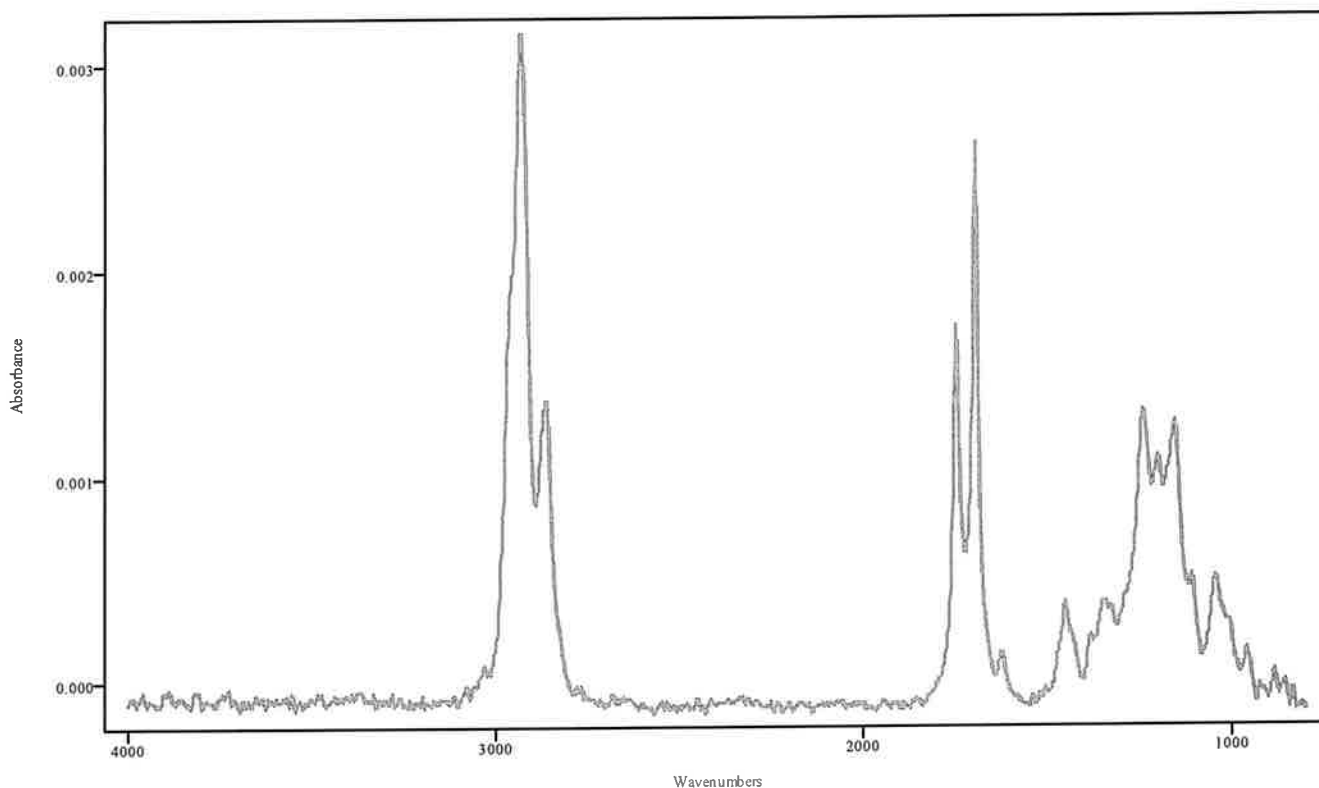
Data Filename	NANDROLONE DECANOATE 2022_March_07_103741
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/MANUAL SPLIT METHODS
IRD Method	IRD3
GC Method	MAN200TO270(30MIN)
GC Vial	4
Sample Name	NANDROLONE DECANOATE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 07 11:11:23 2022
Date Processed	Mon Mar 07 11:13:38 2022

irdata.cgm: NANDROLONE DECANOATE 2022_March_07_103741\irdata.cgm : Misc. Info: MEOH:CURIE; Sample: NANDROLONE DECANOATE, User: RH



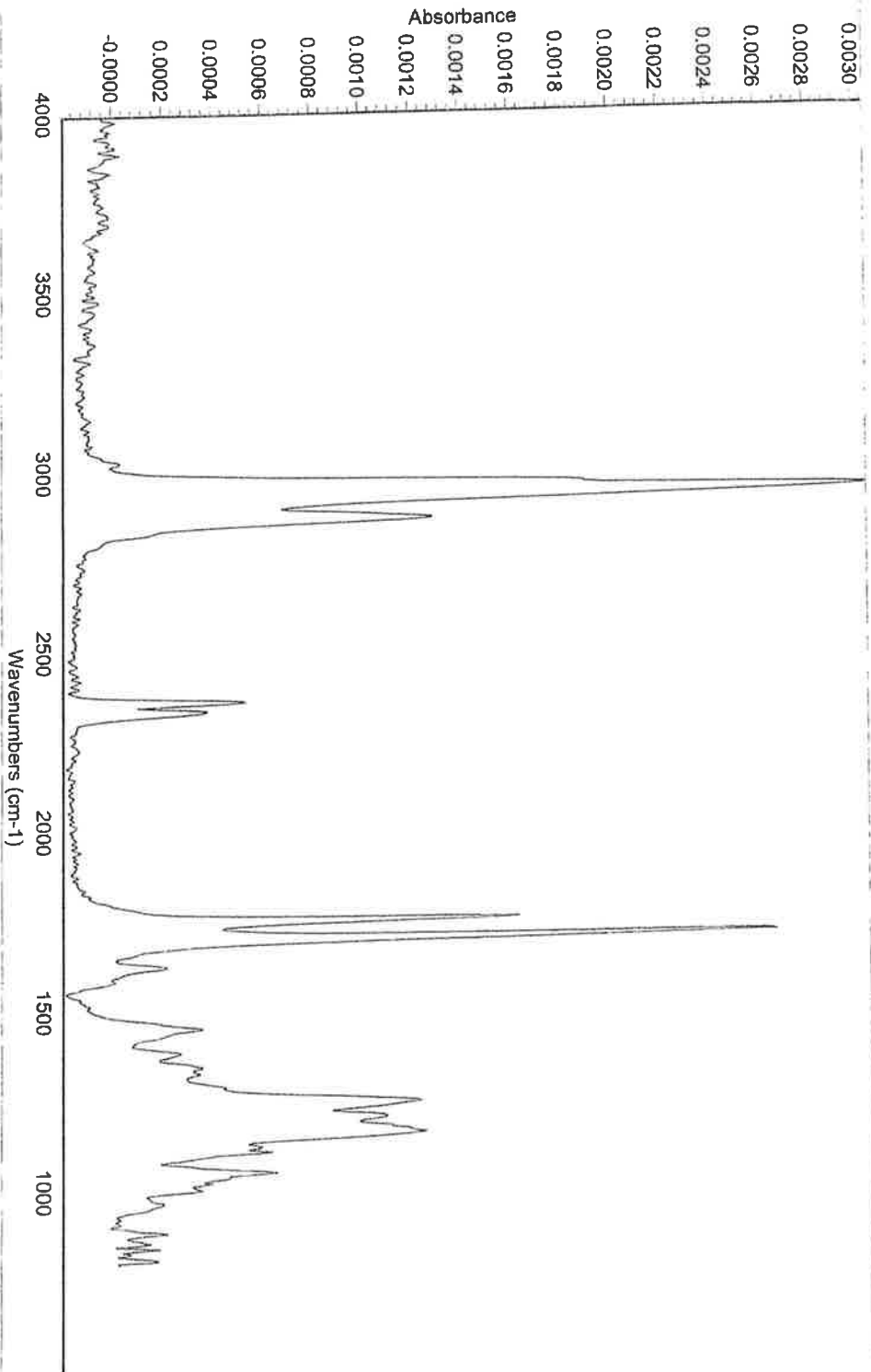
Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.945	4.032	0.088	3.463	3.857

Data Filename	NANDROLONE DECANOATE 2022_March_07_103741
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/MANUAL SPLIT METHODS
IRD Method	IRD3
GC Method	MAN200TO270(30MIN)
GC Vial	4
Sample Name	NANDROLONE DECANOATE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 07 11:11:23 2022
Date Processed	Mon Mar 07 11:13:38 2022



IRDATA.SPC: 4.00 minutes: AVE (3.94: 4.03) Ref. (3.46: 3.86) of NANDROLONE DECANOATE
2022_March_07_103741.cgm

Nandrolone Decanoate



19-NORTESTOSTERONE (NANDROLONE) 17-DECANOATE SIGMA LOT# 67F07691 ISO 270C MeOH 9.29 - 9.65 min. 5m GBE
IR #1
Collection time: Tue Jul 15 19:28:33 2008 (GMT-05:00)

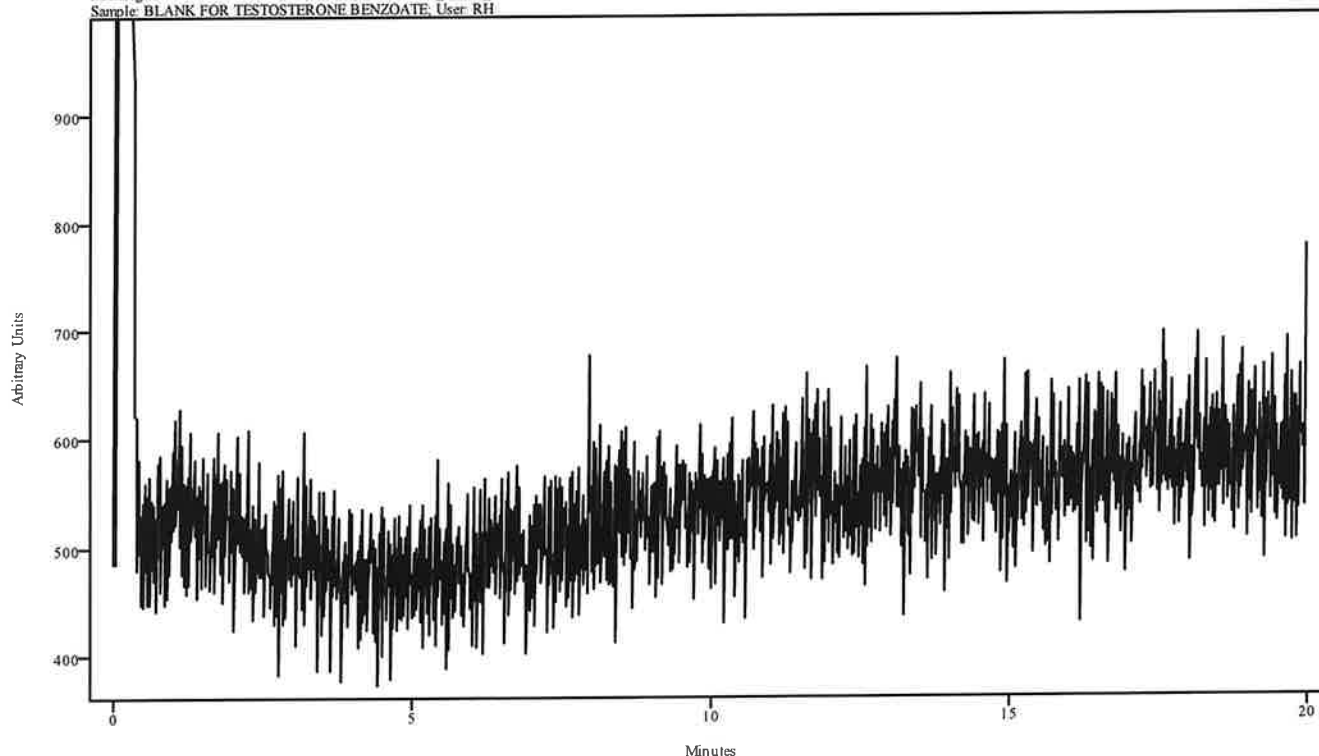
MT
MT

JA

IRD Data Analysis Report

Data Filename	BLANK FOR TESTOST BENZOATE 2022_March_07_111123
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/MANUAL SPLIT METHODS
IRD Method	IRD3
GC Method	MAN200TO270(20MIN)
GC Vial	1
Sample Name	BLANK FOR TESTOSTERONE BENZOATE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 07 11:35:35 2022
Date Processed	Mon Mar 07 11:36:03 2022

irdata.cgm: BLANK FOR TESTOST BENZOATE 2022_March_07_111123 irdata.cgm : Misc. Info: MEOH:CURIE;
Sample: BLANK FOR TESTOSTERONE BENZOATE, User: RH



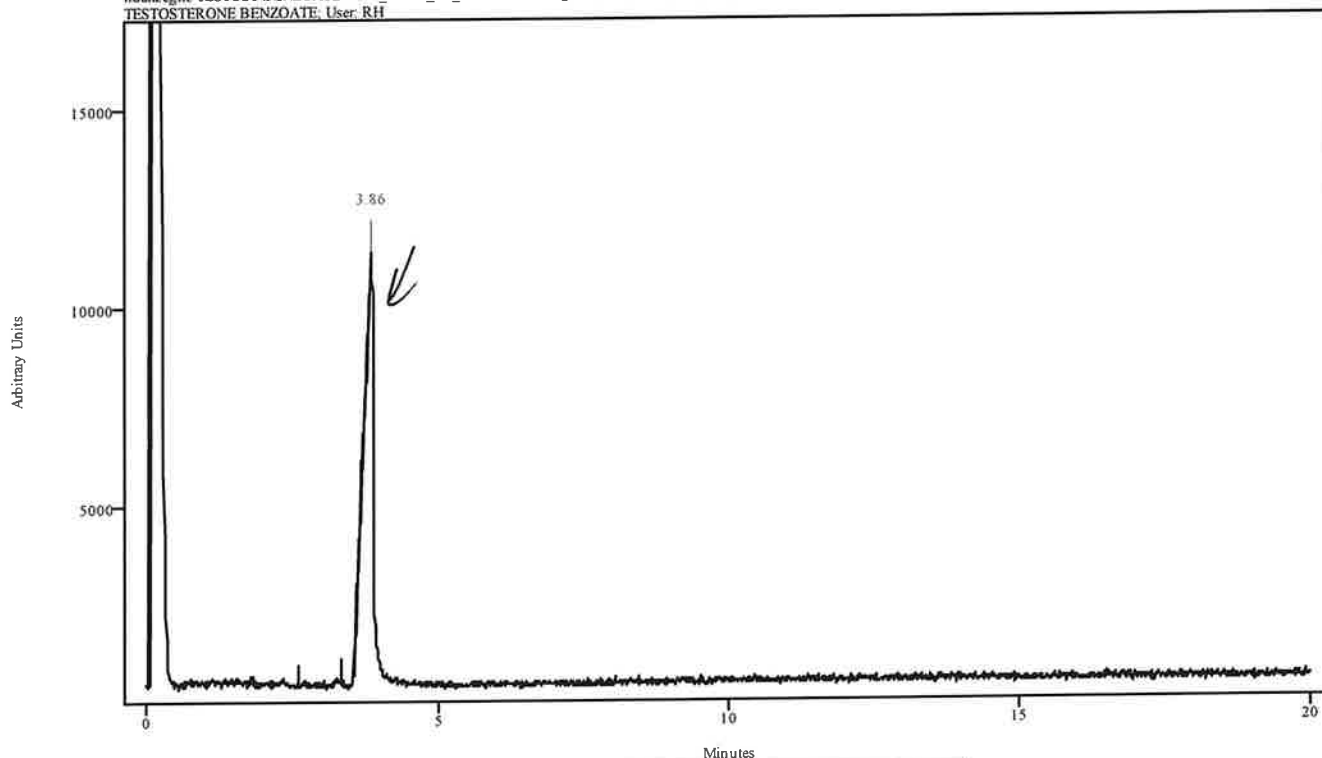
Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

MF

IRD Data Analysis Report

Data Filename	TESTOST BENZOATE 2022_March_07_113536
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/MANUAL SPLIT METHODS
IRD Method	IRD3
GC Method	MAN200TO270(20MIN)
GC Vial	6
Sample Name	TESTOSTERONE BENZOATE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 07 11:59:29 2022
Date Processed	Mon Mar 07 12:55:07 2022

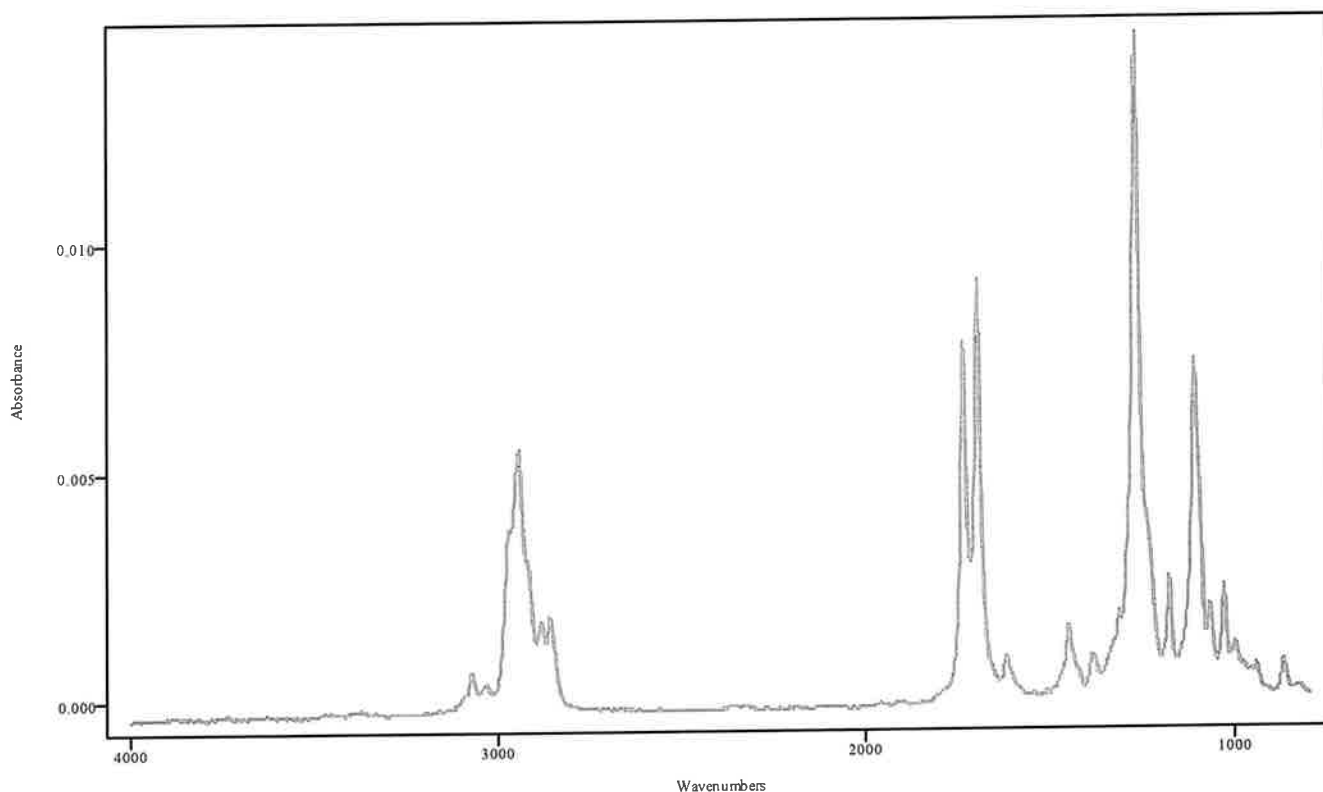
irdata.cgm: TESTOST BENZOATE 2022_March_07_113536\irdata.cgm : Misc. Info: MEOH:CURIE; Sample: TESTOSTERONE BENZOATE; User: RH



Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.691	3.900	0.208	2.618	3.352

714

Data Filename	TESTOST BENZOATE 2022_March_07_113536
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/MANUAL SPLIT METHODS
IRD Method	IRD3
GC Method	MAN200TO270(20MIN)
GC Vial	6
Sample Name	TESTOSTERONE BENZOATE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 07 11:59:29 2022
Date Processed	Mon Mar 07 12:55:07 2022

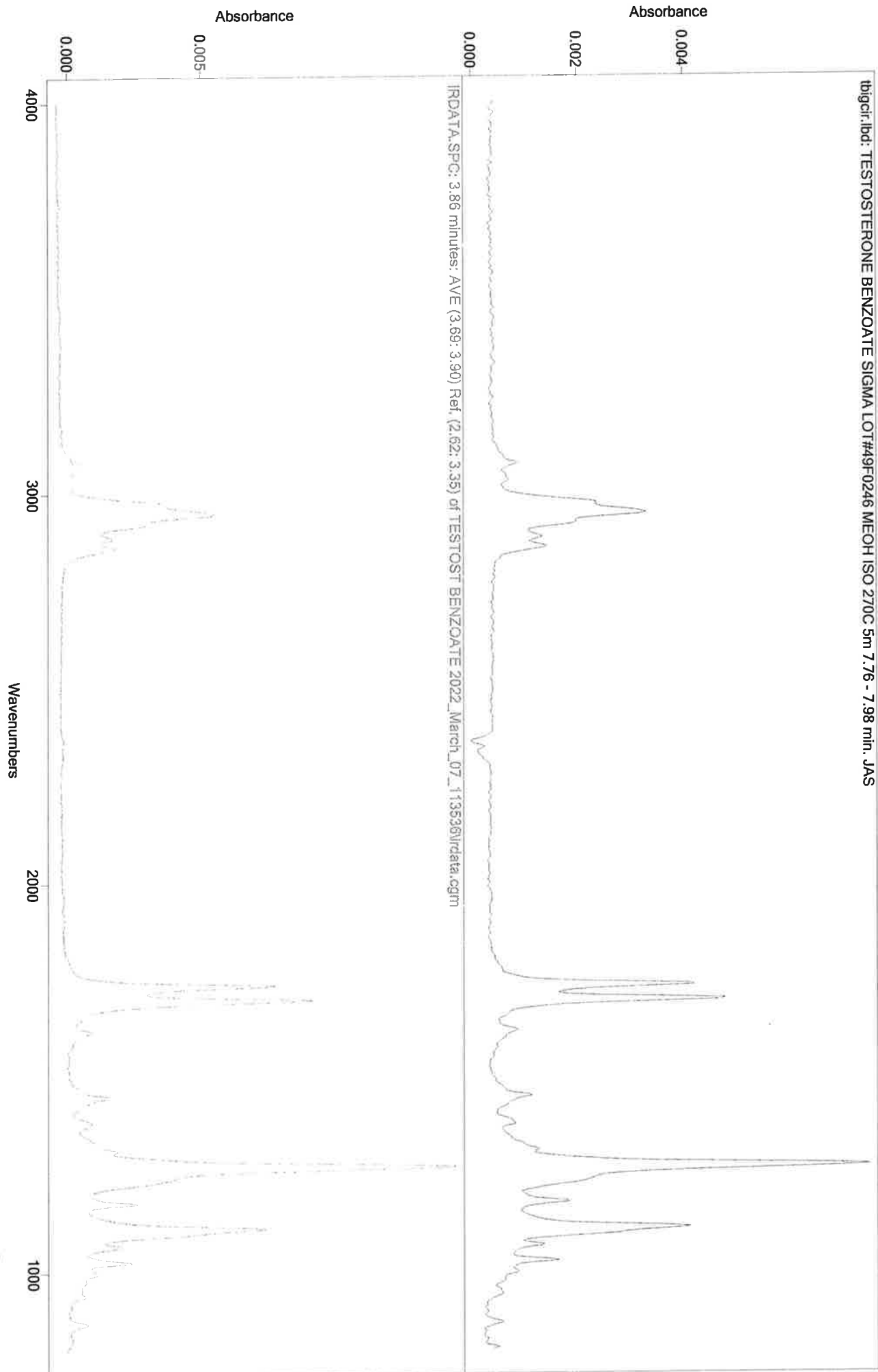


IRDATA.SPC: 3.86 minutes: AVE (3.69: 3.90) Ref. (2.62: 3.35) of TESTOST BENZOATE
2022_March_07_113536.cgm

Testosterone Benzoate

IRDATA.SPC: 3.86 minutes: AVE (3.69: 3.90) Ref. (2.62: 3.35) of TESTOST BENZOATE 2022_March_07_113536\irdata.cgm

14

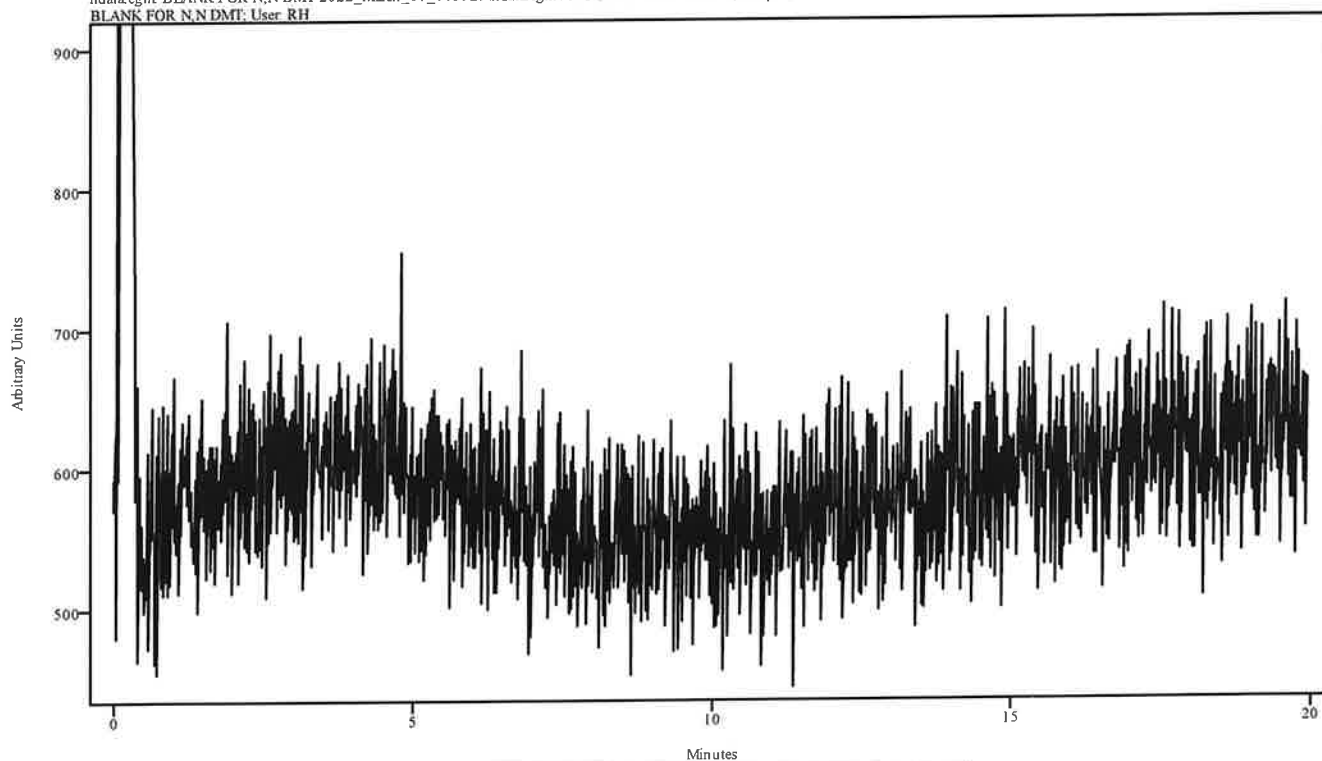


IRD Data Analysis Report

Handwritten signature

Data Filename	BLANK FOR N,N DMT 2022_March_07_115929
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/MANUAL SPLIT METHODS
IRD Method	IRD3
GC Method	MAN90TO270@35C(20MIN)
GC Vial	1
Sample Name	BLANK FOR N,N DMT
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 07 12:24:18 2022
Date Processed	Mon Mar 07 12:53:41 2022

irdata.cgm: BLANK FOR N,N DMT 2022_March_07_115929\irdata.cgm : Misc. Info: MEOH:CURIE; Sample: BLANK FOR N,N DMT; User: RH

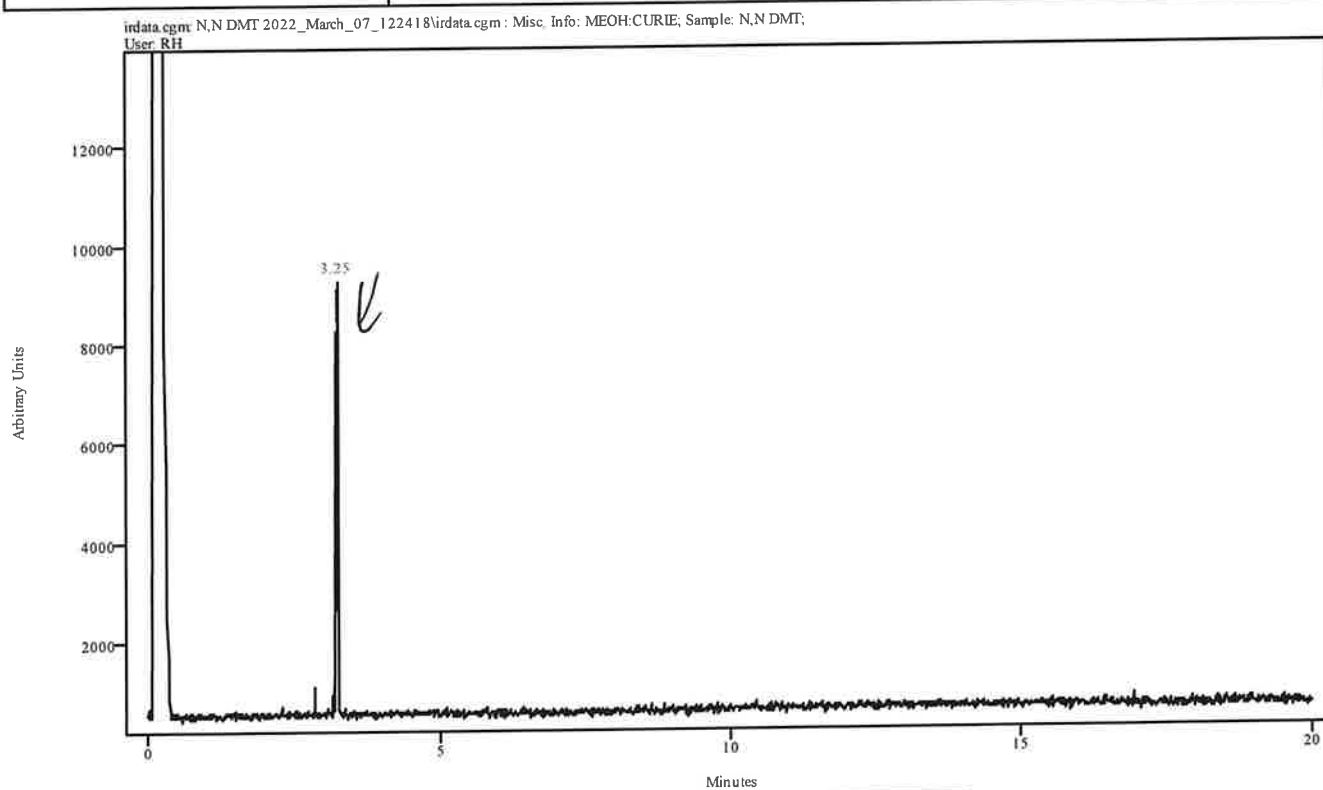


Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

IRD Data Analysis Report

yjh

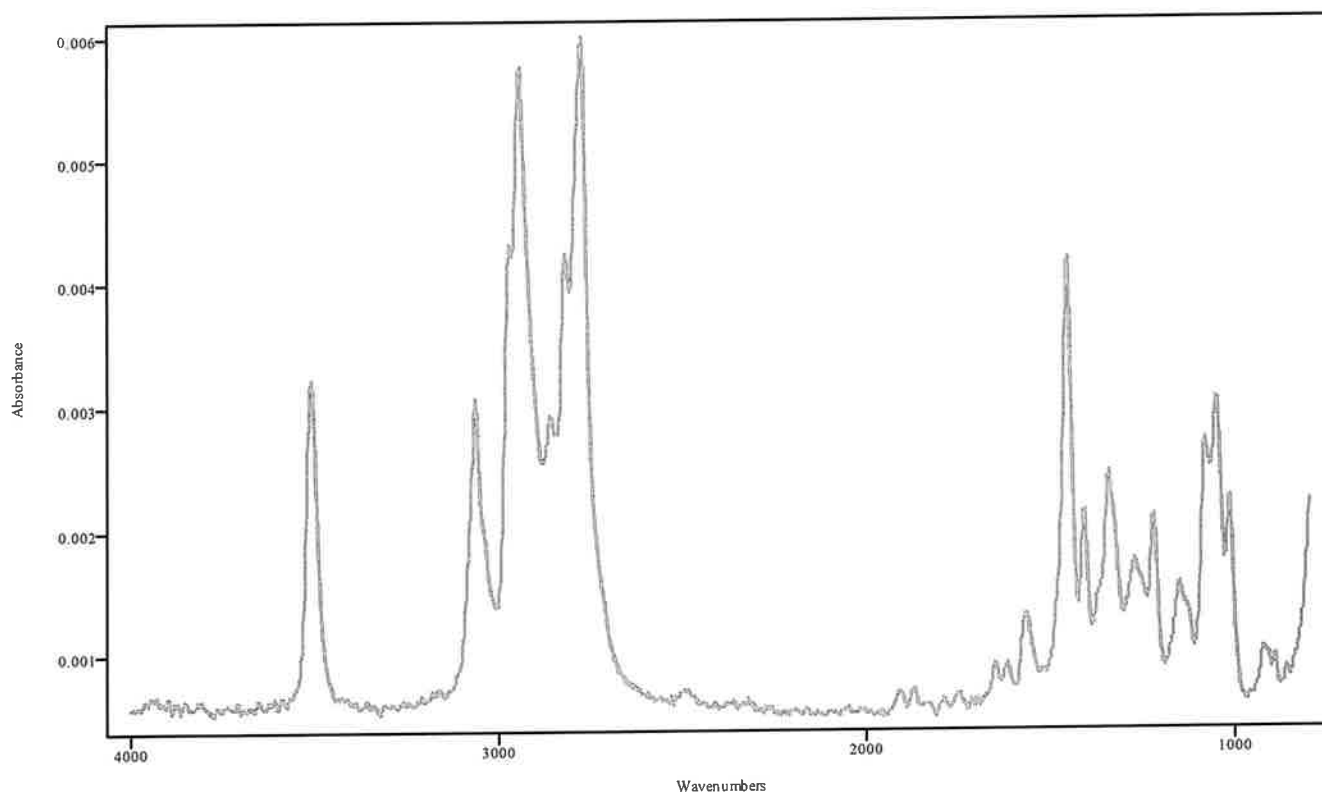
Data Filename	N,N DMT 2022_March_07_122418
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/MANUAL SPLIT METHODS
IRD Method	IRD3
GC Method	MAN90TO270@35C(20MIN)
GC Vial	8
Sample Name	N,N DMT
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 07 12:49:36 2022
Date Processed	Mon Mar 07 12:54:08 2022



Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.216	3.282	0.066	2.876	3.134

11

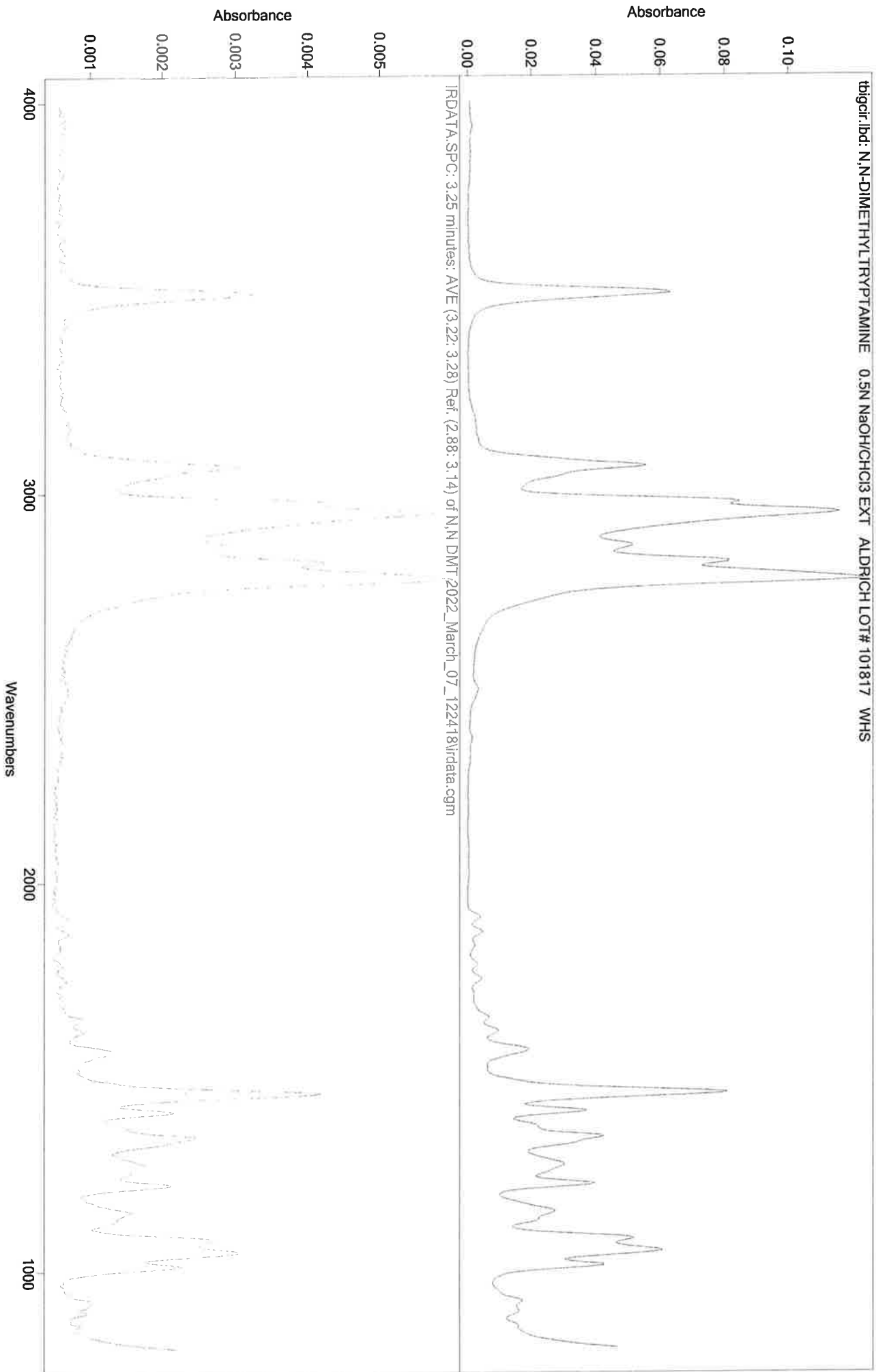
Data Filename	N,N DMT 2022_March_07_122418
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/MANUAL SPLIT METHODS
IRD Method	IRD3
GC Method	MAN90TO270@35C(20MIN)
GC Vial	8
Sample Name	N,N DMT
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 07 12:49:36 2022
Date Processed	Mon Mar 07 12:54:08 2022



IRDATA.SPC: 3.25 minutes: AVE (3.22: 3.28) Ref. (2.88: 3.14) of N,N DMT
2022_March_07_122418.cgm

N,N DMT

244

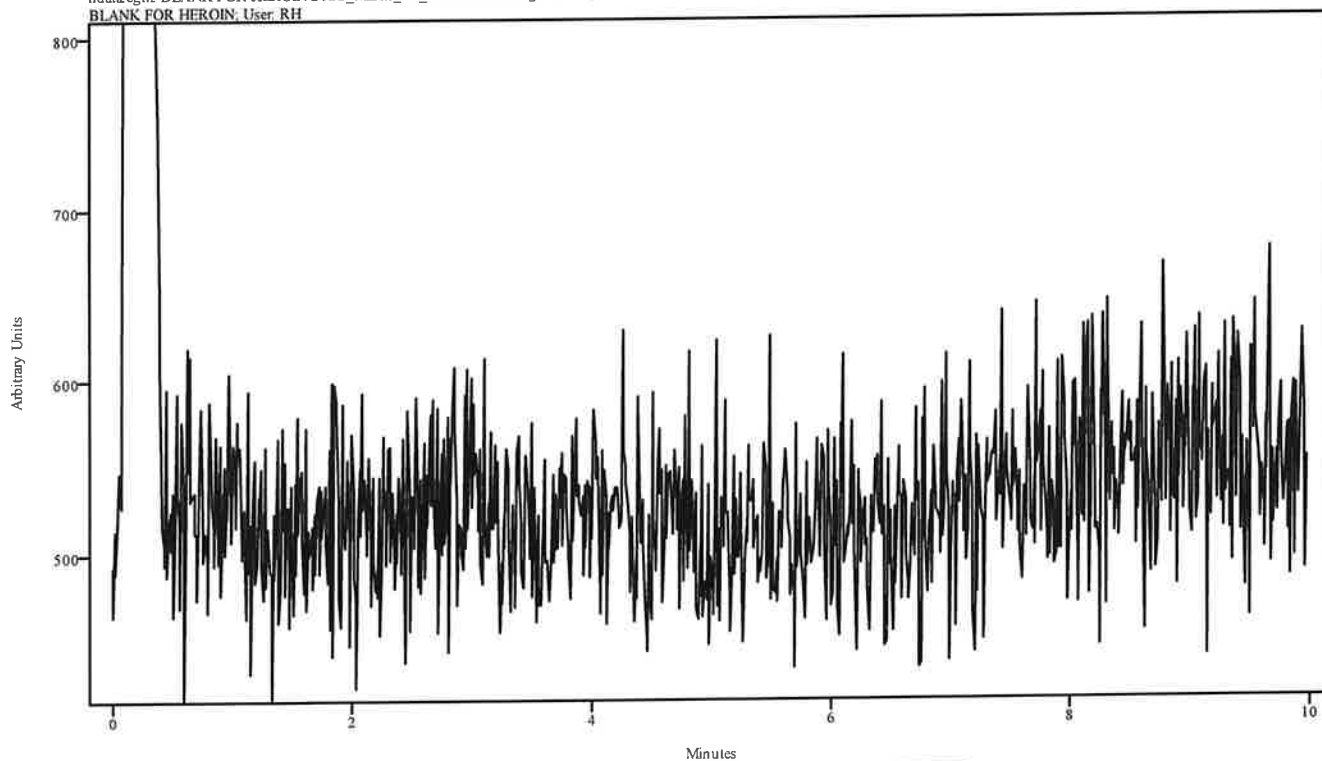


AK

IRD Data Analysis Report

Data Filename	BLANK FOR HEROIN 2022_March_07_124936
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/MANUAL SPLIT METHODS
IRD Method	IRD3
GC Method	MAN90TO270@35C
GC Vial	2
Sample Name	BLANK FOR HEROIN
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 07 13:04:35 2022
Date Processed	Mon Mar 07 13:26:59 2022

irdata.cgm: BLANK FOR HEROIN 2022_March_07_124936\irdata.cgm : Misc. Info: MEOH:CURIE; Sample: BLANK FOR HEROIN; User: RH



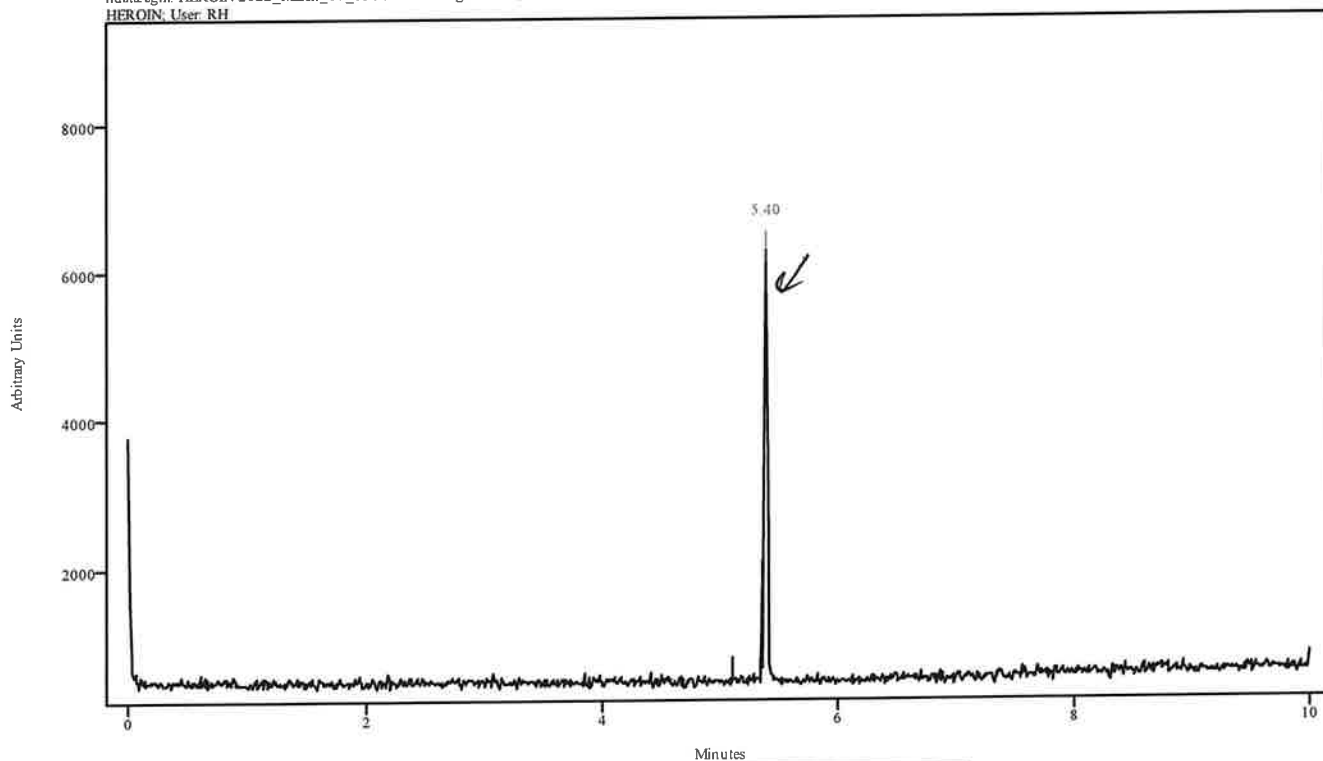
Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

MA

IRD Data Analysis Report

Data Filename	HEROIN 2022_March_07_130435
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/MANUAL SPLIT METHODS
IRD Method	IRD3
GC Method	MAN90TO270@35C
GC Vial	11
Sample Name	HEROIN
Misc. Info	ACETONITRILE:CURIE
User ID	RH
Injection Time	Mon Mar 07 13:19:19 2022
Date Processed	Mon Mar 07 13:27:27 2022

irdata.cgm: HEROIN 2022_March_07_130435\irdata.cgm : Misc. Info: ACETONITRILE:CURIE; Sample: HEROIN; User: RH

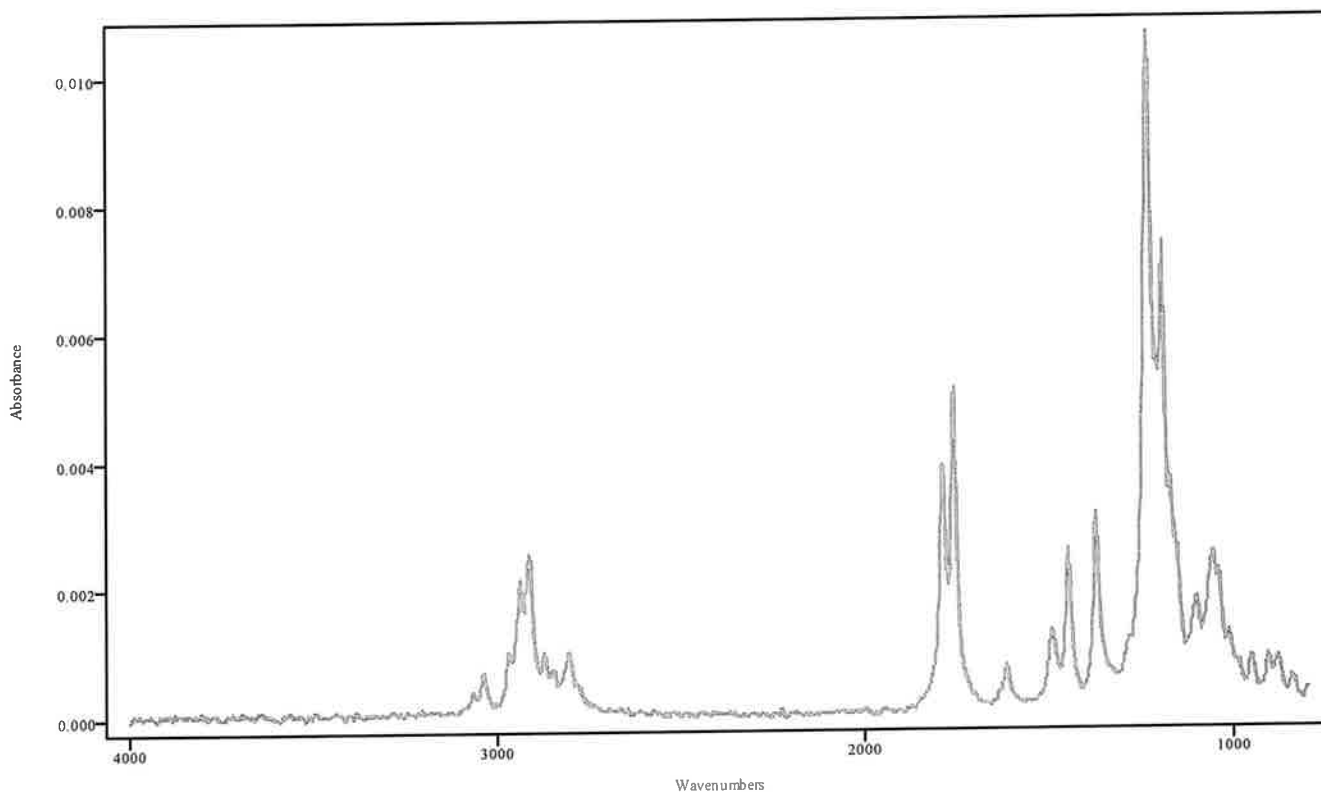


Peak Start	Peak End	Peak Width	Reference Start	Reference End
5.374	5.418	0.044	5.122	5.341

*Note: Had trouble selecting start button on keypad. solvent peak got cut off. ✓
MA

MA

Data Filename	HEROIN 2022_March_07_130435
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/MANUAL SPLIT METHODS
IRD Method	IRD3
GC Method	MAN90TO270@35C
GC Vial	11
Sample Name	HEROIN
Misc. Info	ACETONITRILE:CURIE
User ID	RH
Injection Time	Mon Mar 07 13:19:19 2022
Date Processed	Mon Mar 07 13:27:27 2022

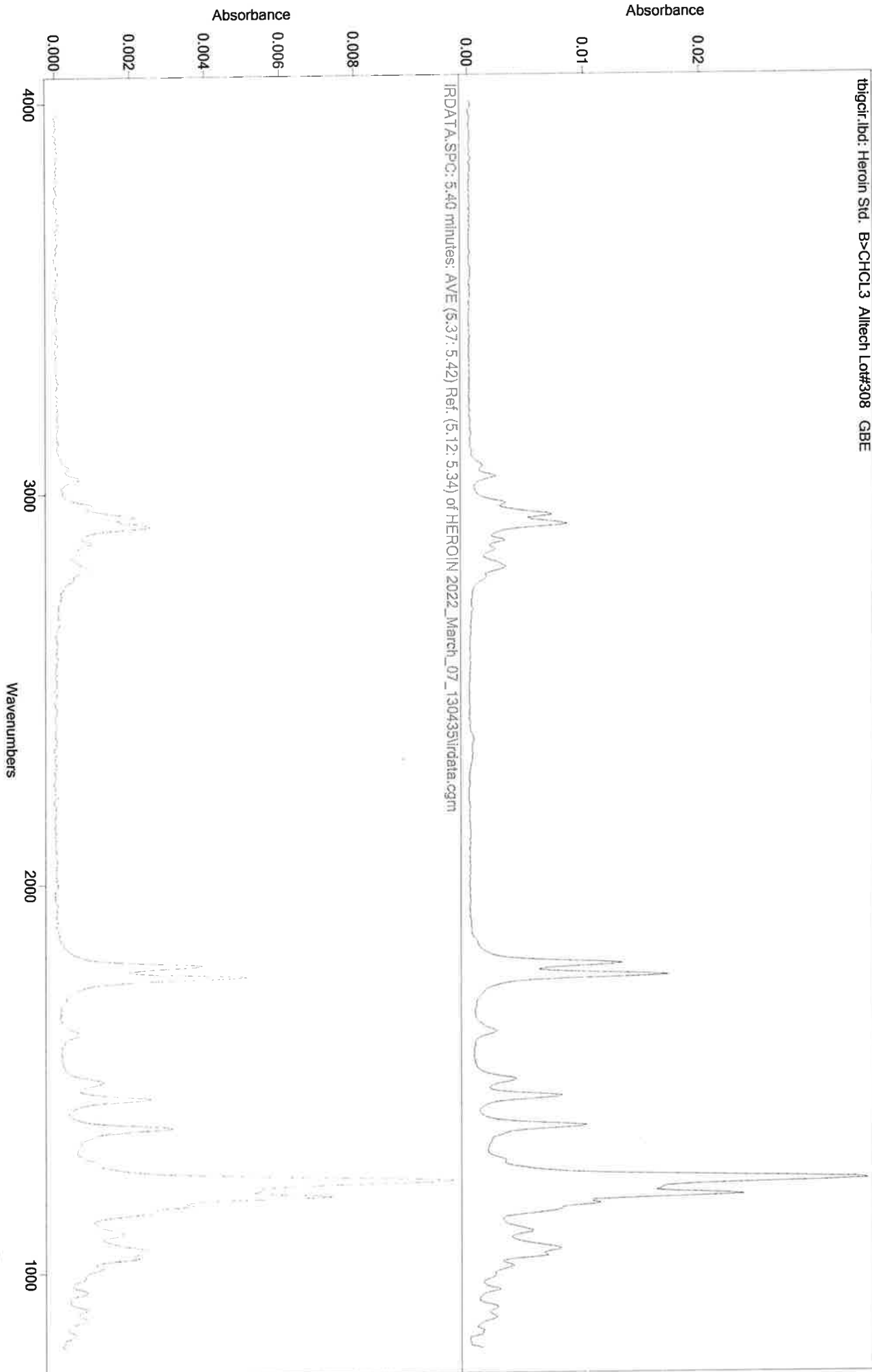


IRDATA.SPC: 5.40 minutes: AVE (5.37: 5.42) Ref. (5.12: 5.34) of HEROIN
2022_March_07_130435.cgm

Heroin

44

tbjgir.lbd: Heroin Std. B>CHCL3 Alletech Lot#308 GBE

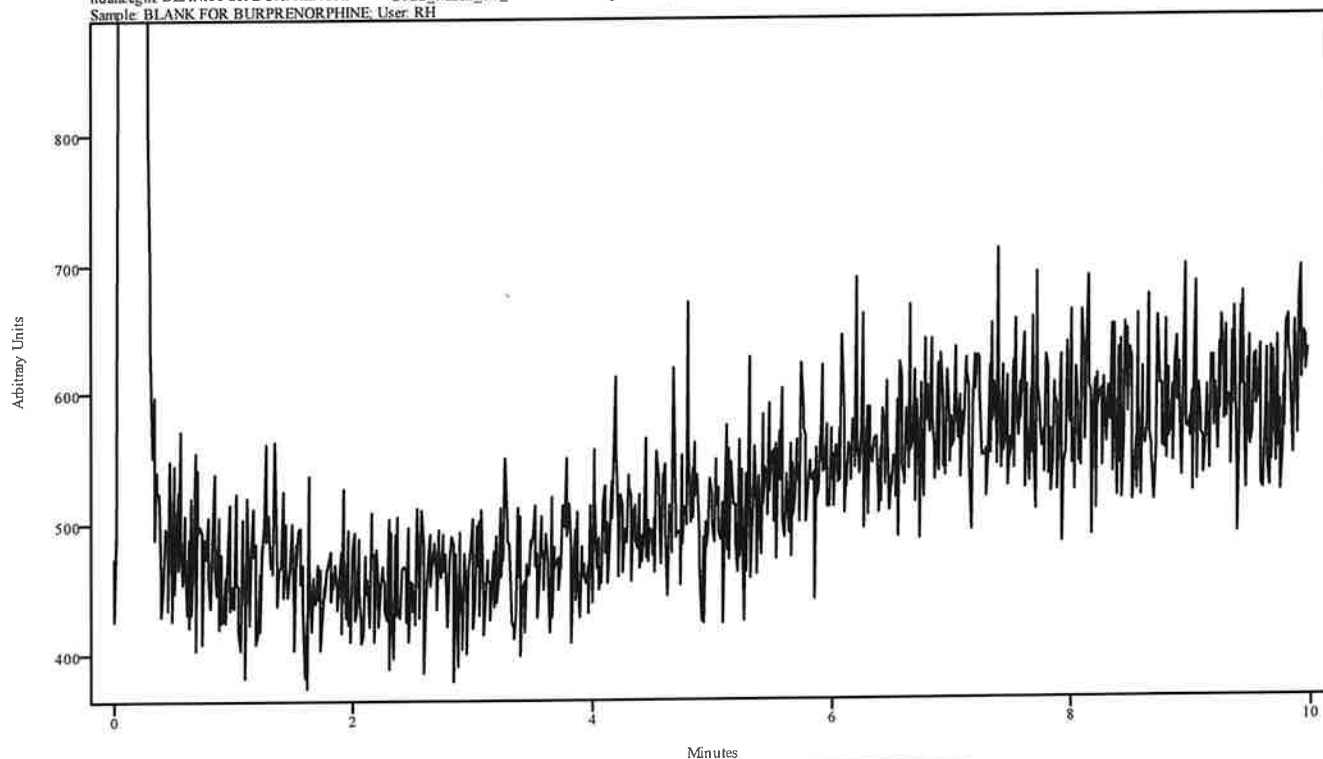


JK

IRD Data Analysis Report

Data Filename	BLANK FOR BURPRENORPHINE 2022_March_07_131919
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/MANUAL SPLIT METHODS
IRD Method	IRD3
GC Method	MAN200TO270
GC Vial	2
Sample Name	BLANK FOR BURPRENORPHINE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 07 13:36:35 2022
Date Processed	Mon Mar 07 13:42:24 2022

irdata.cgm: BLANK FOR BURPRENORPHINE 2022_March_07_131919\irdata.cgm: Misc. Info: MEOH:CURIE;
Sample: BLANK FOR BURPRENORPHINE; User: RH

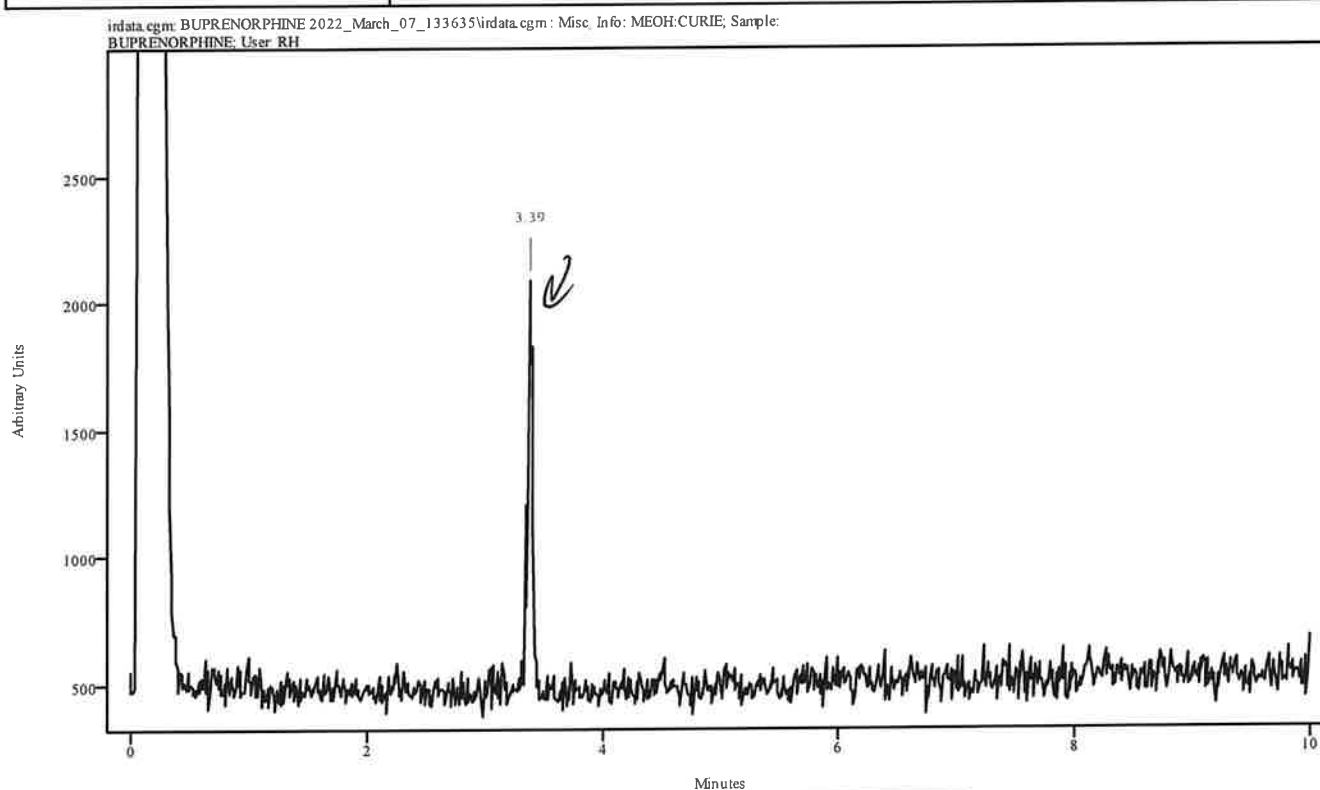


Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

MT

IRD Data Analysis Report

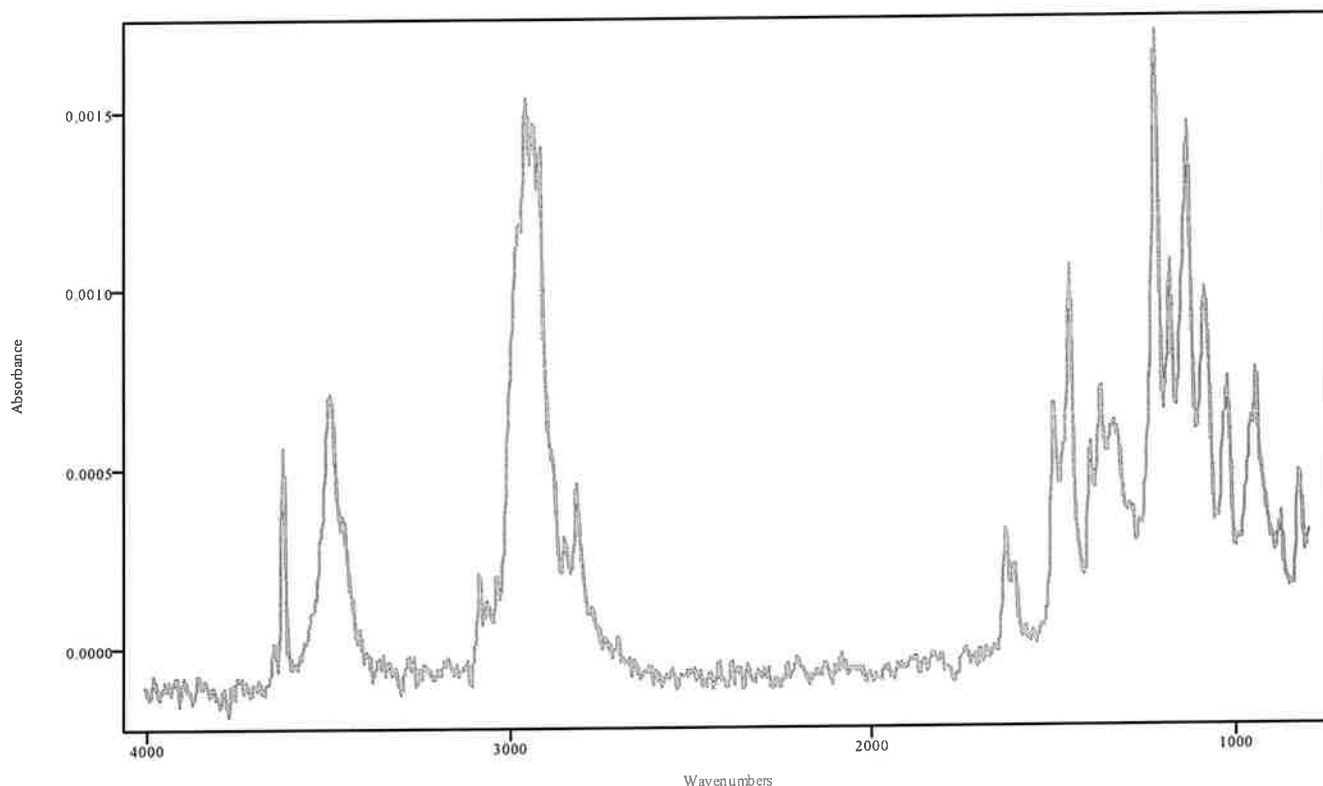
Data Filename	BUPRENORPHINE 2022_March_07_133635
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/MANUAL SPLIT METHODS
IRD Method	IRD3
GC Method	MAN200TO270
GC Vial	15
Sample Name	BUPRENORPHINE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 07 13:51:54 2022
Date Processed	Mon Mar 07 14:26:16 2022



Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.360	3.415	0.055	3.053	3.316

11

Data Filename	BUPRENORPHINE 2022_March_07_133635
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/MANUAL SPLIT METHODS
IRD Method	IRD3
GC Method	MAN200TO270
GC Vial	15
Sample Name	BUPRENORPHINE
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 07 13:51:54 2022
Date Processed	Mon Mar 07 14:26:16 2022



IRDATA.SPC: 3.39 minutes: AVE (3.36: 3.42) Ref. (3.05: 3.32) of BUPRENORPHINE
2022_March_07_133635.cgm

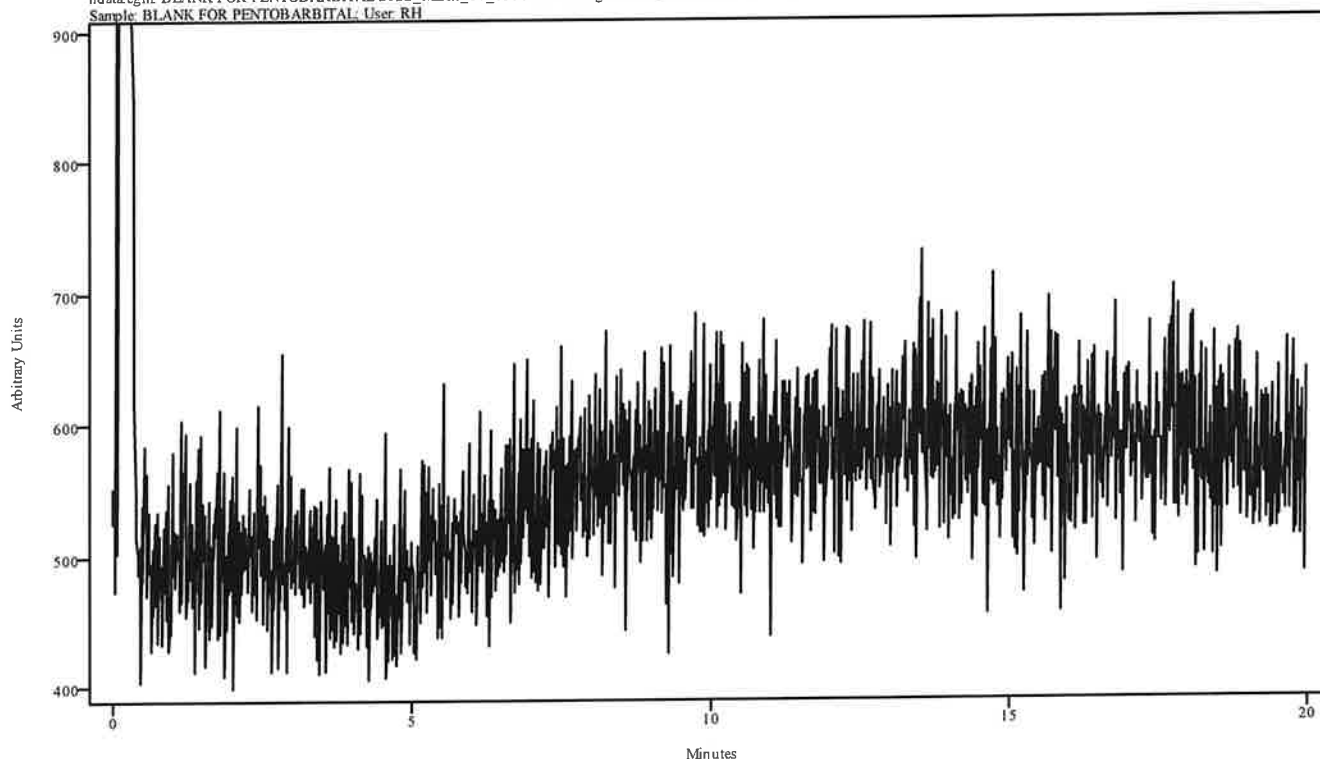
Buprenorphine

IRD Data Analysis Report

RH

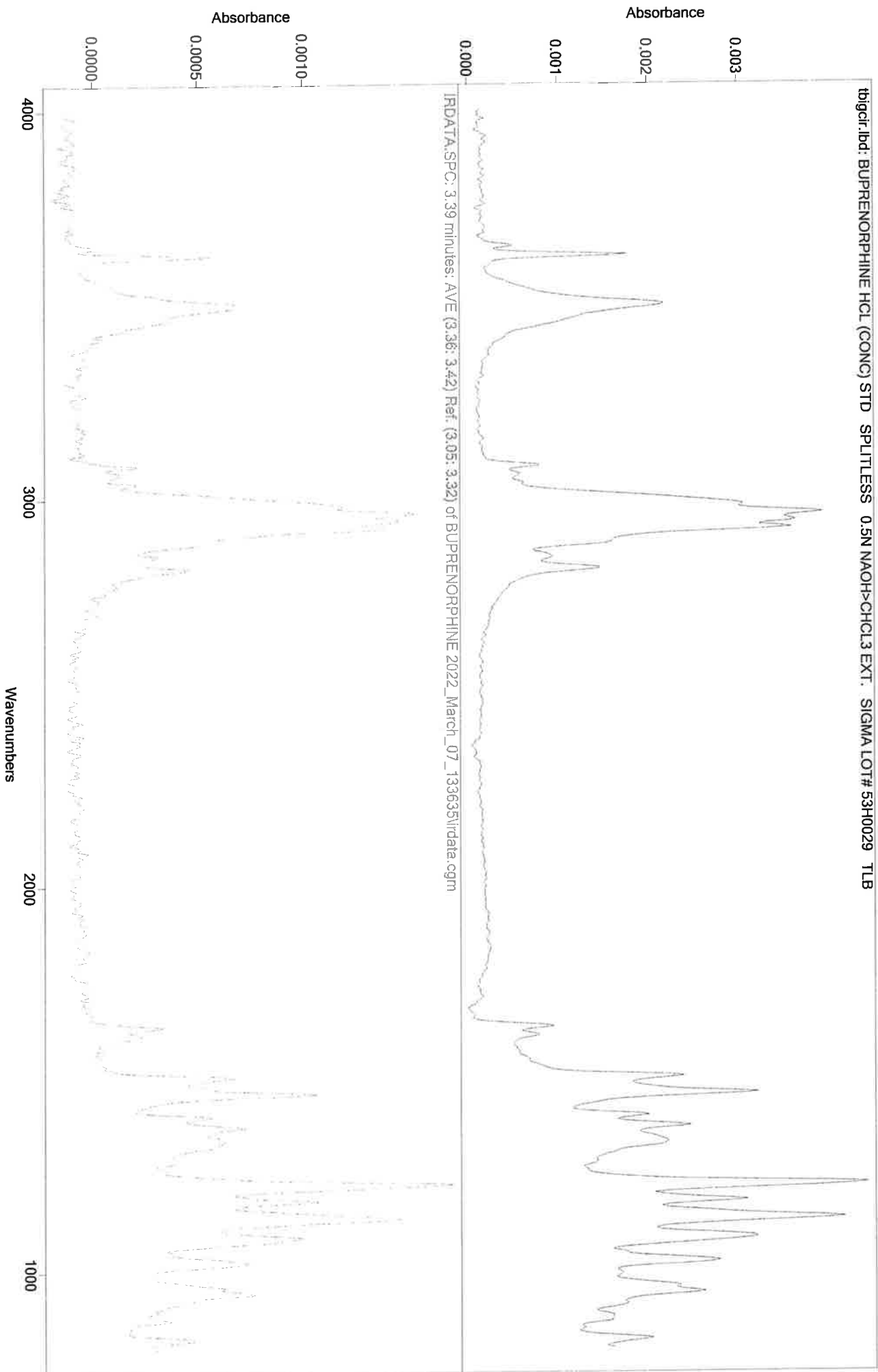
Data Filename	BLANK FOR PENTOBARBITAL 2022_March_07_135154
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/MANUAL SPLIT METHODS
IRD Method	IRD3
GC Method	MAN90TO270(20MIN)
GC Vial	2
Sample Name	BLANK FOR PENTOBARBITAL
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 07 14:20:40 2022
Date Processed	Mon Mar 07 14:26:39 2022

irdata.cgm: BLANK FOR PENTOBARBITAL 2022_March_07_135154
 Sample: BLANK FOR PENTOBARBITAL; User: RH
 Misc. Info: MEOH:CURIE;



Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

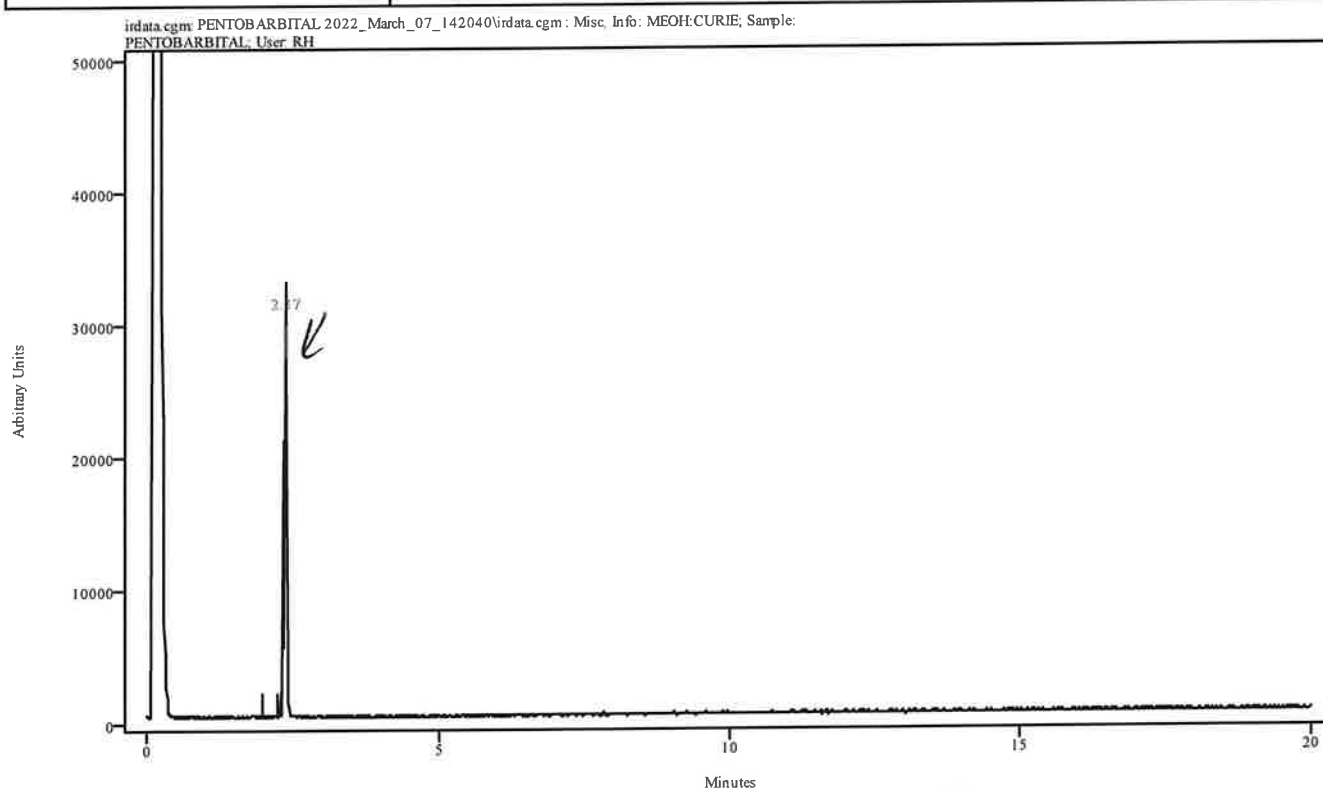
CH



44

IRD Data Analysis Report

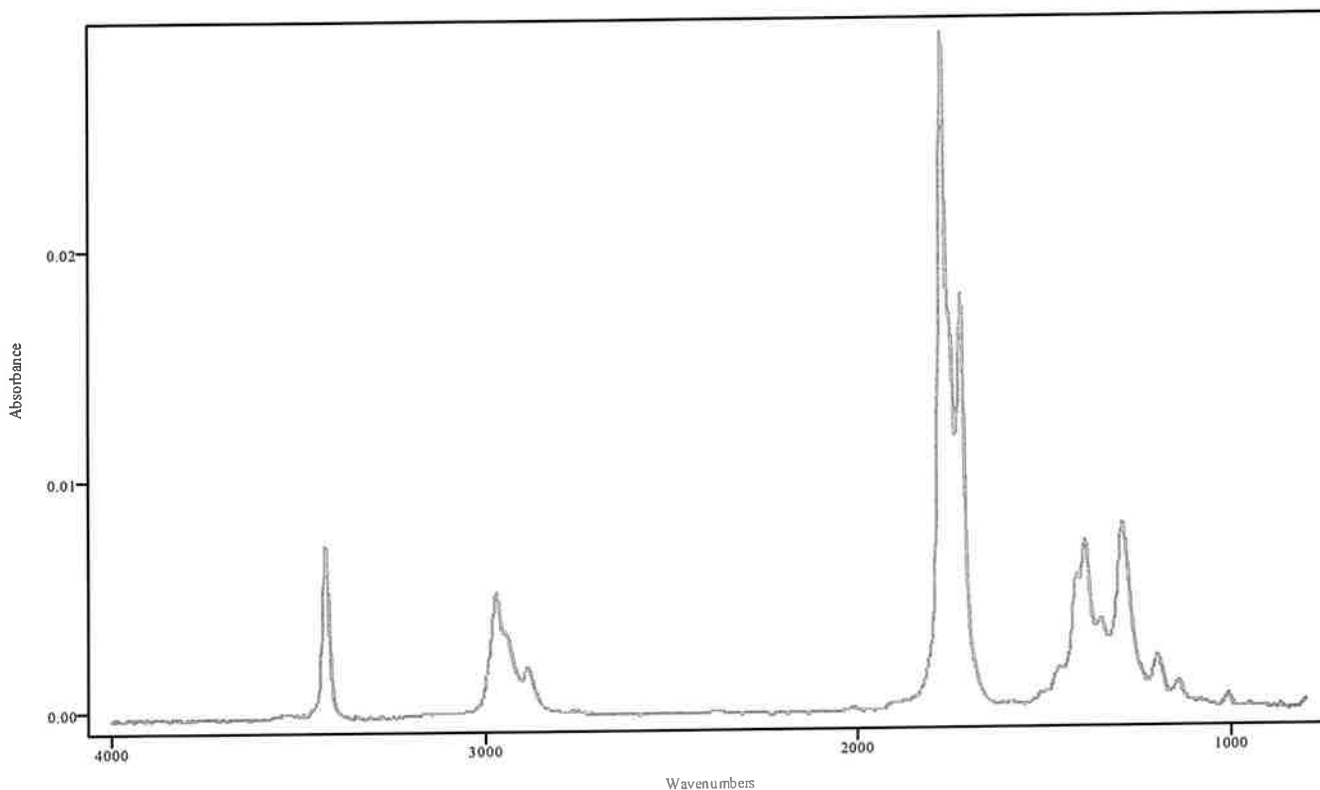
Data Filename	PENTOBARBITAL 2022_March_07_142040
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/MANUAL SPLIT METHODS
IRD Method	IRD3
GC Method	MAN90TO270(20MIN)
GC Vial	10
Sample Name	PENTOBARBITAL
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 07 14:45:17 2022
Date Processed	Mon Mar 07 14:47:54 2022



Peak Start	Peak End	Peak Width	Reference Start	Reference End
2.341	2.407	0.066	1.978	2.243

414

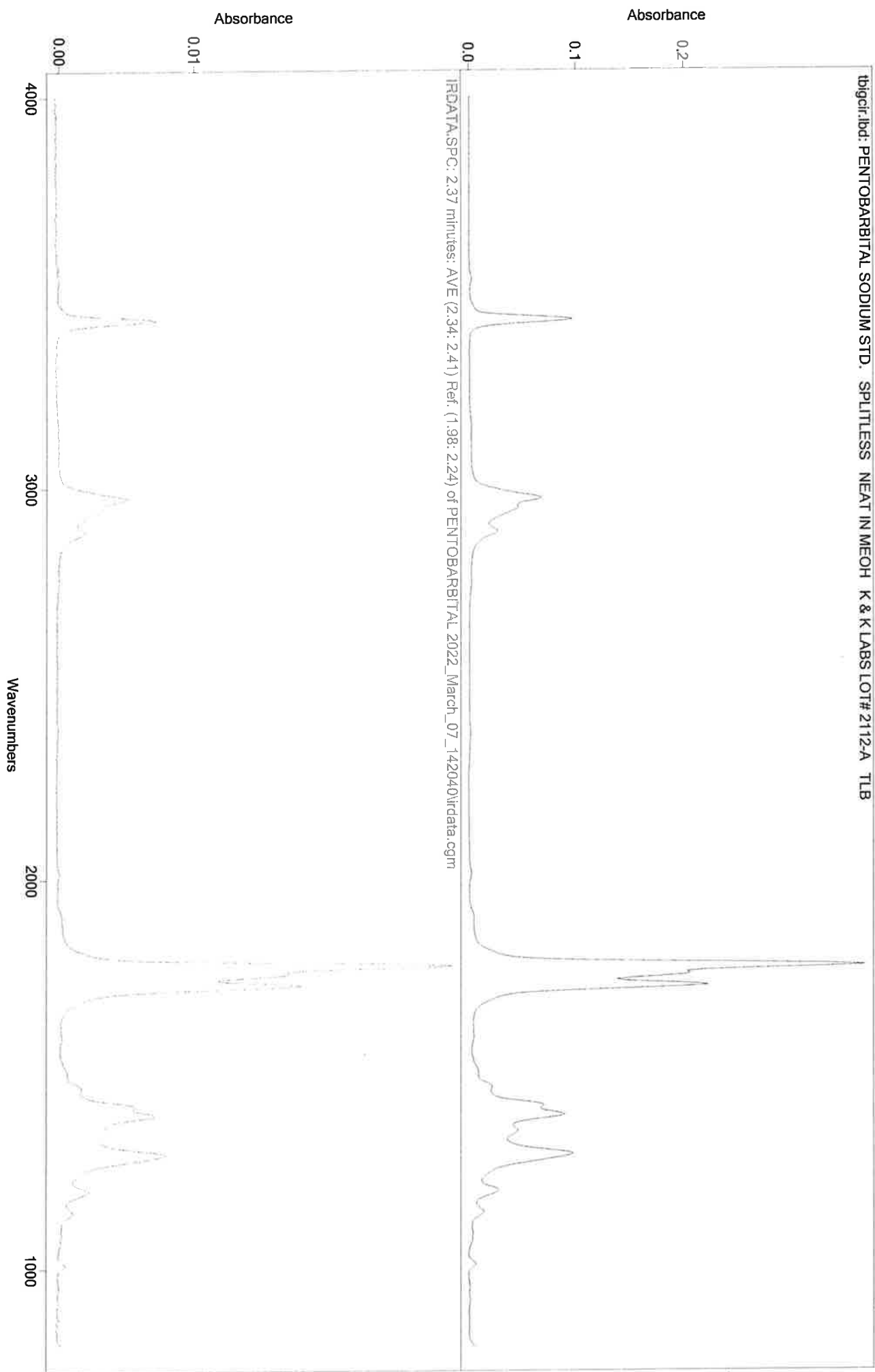
Data Filename	PENTOBARBITAL 2022_March_07_142040
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/MANUAL SPLIT METHODS
IRD Method	IRD3
GC Method	MAN90TO270(20MIN)
GC Vial	10
Sample Name	PENTOBARBITAL
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 07 14:45:17 2022
Date Processed	Mon Mar 07 14:47:54 2022



IRDATA.SPC: 2.37 minutes: AVE (2.34: 2.41) Ref. (1.98: 2.24) of PENTOBARBITAL
2022_March_07_142040.cgm

Pentobarbital

JPX



Sequence Name: GC-MS CALIBRATION STANDARD MIX 3-14-21 RH

YH

Sample Path: C:\ASAP DATA\PERFORMANCE CHECK\GC-MS CALIBRATION STANDARD MIX

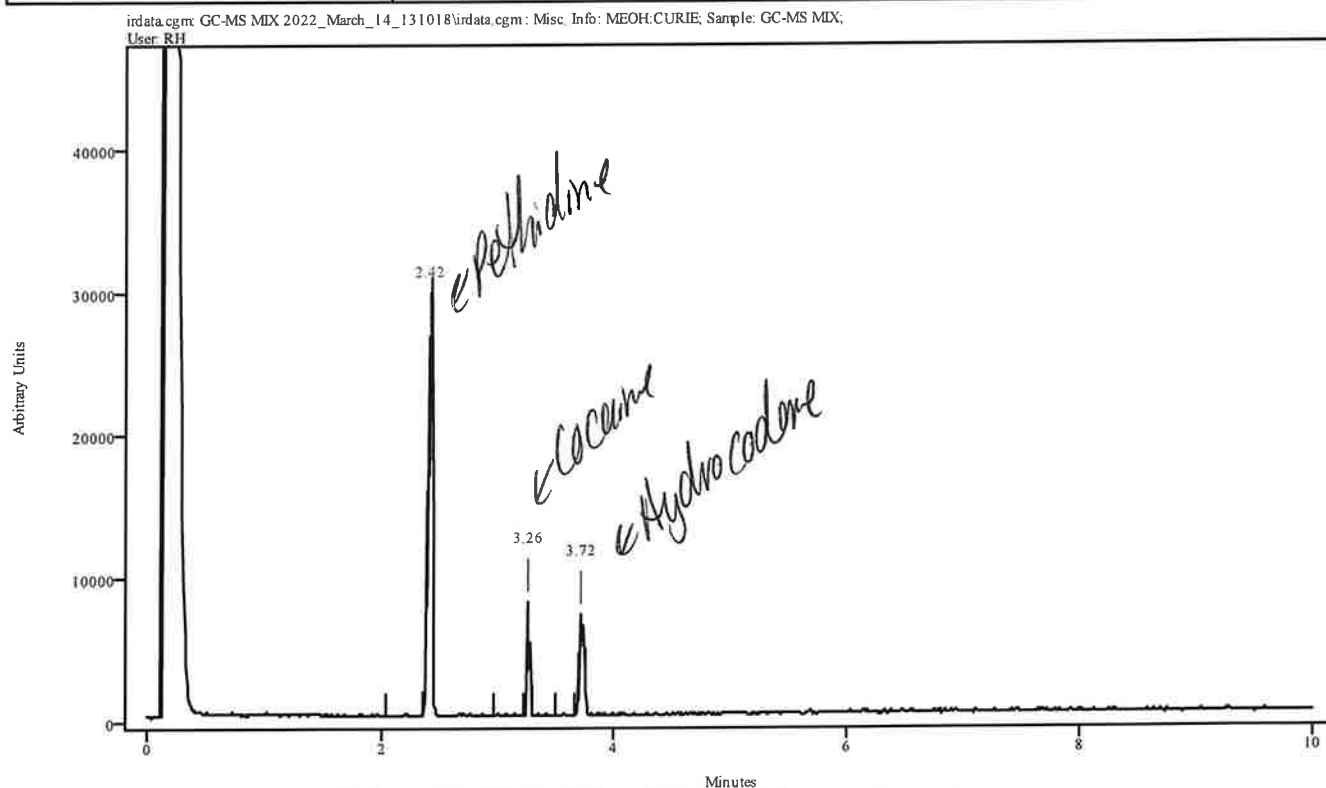
	Type	IRD Method	GC Method	Vial	Sample ID	Data File	Solvent/Extract	Instrument ID
1		IRD3 EXT	90TO270	22	GC-MS MIX	GC-MS MIX	MEOH	CURIE
2		IRD3 EXT	90TO270	22	GC-MS MIX	GC-MS MIX	MEOH	CURIE

* Carryover in first injection. Performed
Inlet maintenance & reran. YH

JA

IRD Data Analysis Report

Data Filename	GC-MS MIX 2022_March_14_131018
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/GC-MS CALIBRATION STANDARD MIX
IRD Method	IRD3 EXT
GC Method	90TO270
GC Vial	22
Sample Name	GC-MS MIX
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 14 13:22:52 2022
Date Processed	Mon Mar 14 15:02:54 2022

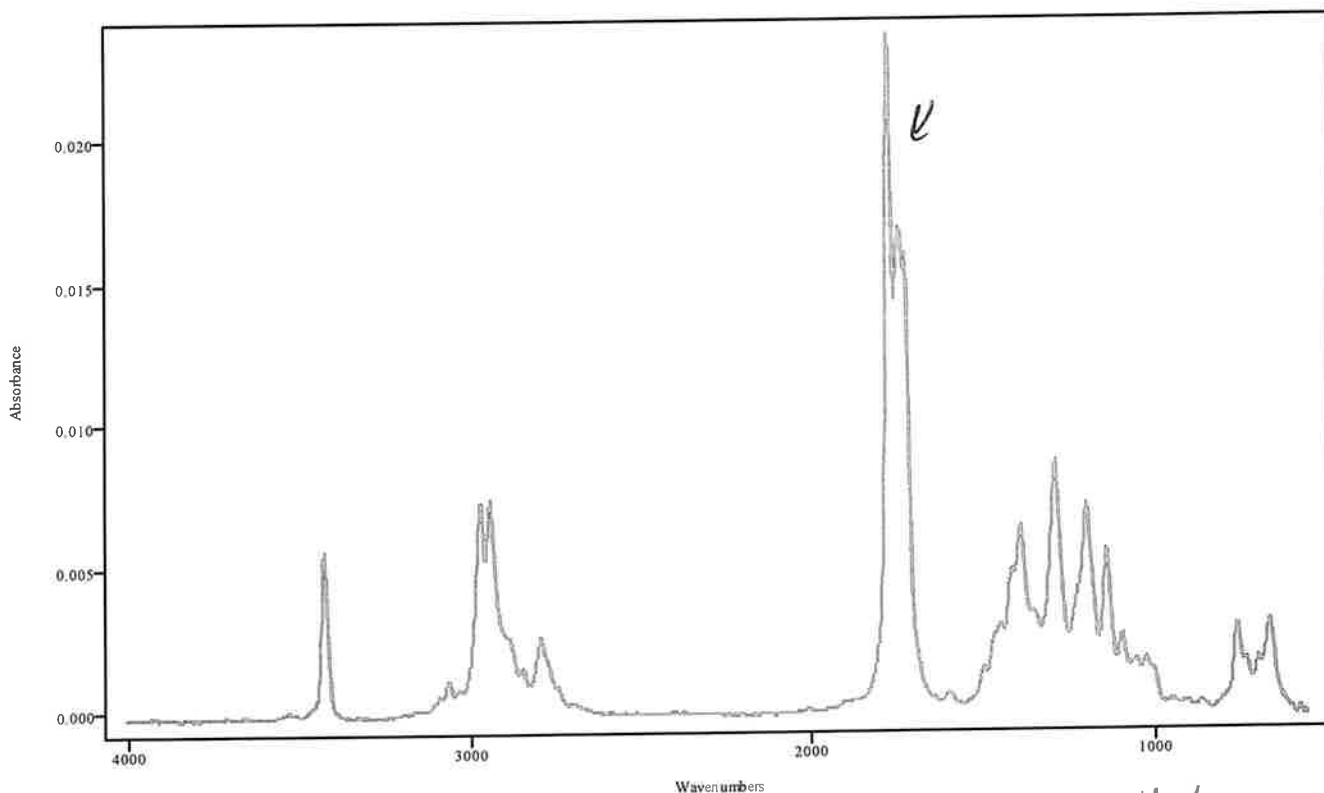


Peak Start	Peak End	Peak Width	Reference Start	Reference End
2.383	2.449	0.066	2.043	2.350
3.249	3.283	0.033	2.954	3.218
3.701	3.745	0.044	3.492	3.668

**DNV- Carryover of Pentobarbital into Pentothidine*

14

Data Filename	GC-MS MIX 2022_March_14_131018
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/GC-MS CALIBRATION STANDARD MIX
IRD Method	IRD3 EXT
GC Method	90TO270
GC Vial	22
Sample Name	GC-MS MIX
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 14 13:22:52 2022
Date Processed	Mon Mar 14 15:02:54 2022



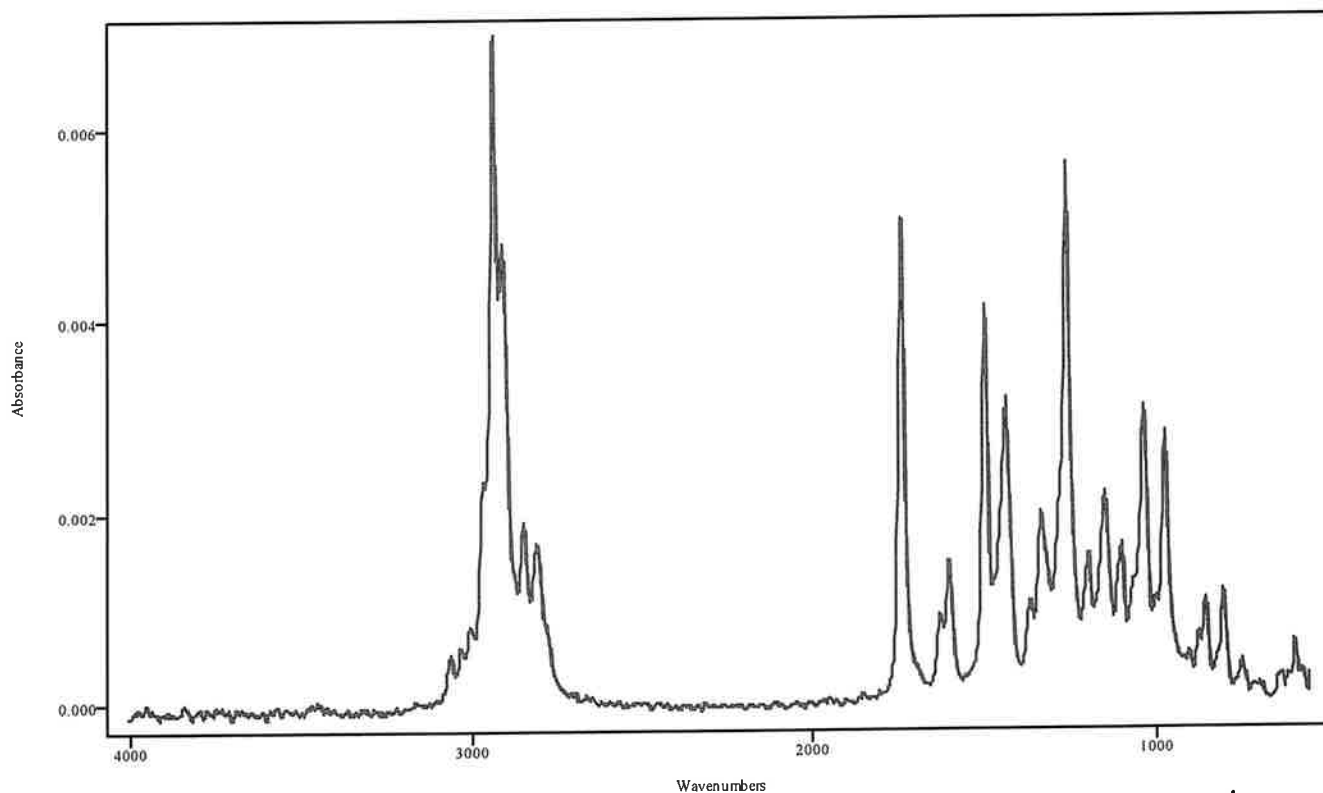
IRDATA.SPC: 2.42 minutes: AVE (2.38: 2.45) Ref. (2.04: 2.35) of GC-MS MIX
2022_March_14_131018.cgm

Pethidine

*ADNU - Carryover of Pentobarbital
into Pethidine*

24

Data Filename	GC-MS MIX 2022_March_14_131018
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/GC-MS CALIBRATION STANDARD MIX
IRD Method	IRD3 EXT
GC Method	90TO270
GC Vial	22
Sample Name	GC-MS MIX
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 14 13:22:52 2022
Date Processed	Mon Mar 14 15:02:54 2022



IRDATA.SPC: 3.72 minutes: AVE (3.70: 3.74) Ref. (3.49: 3.67) of GC-MS MIX
2022_March_14_131018.cgm

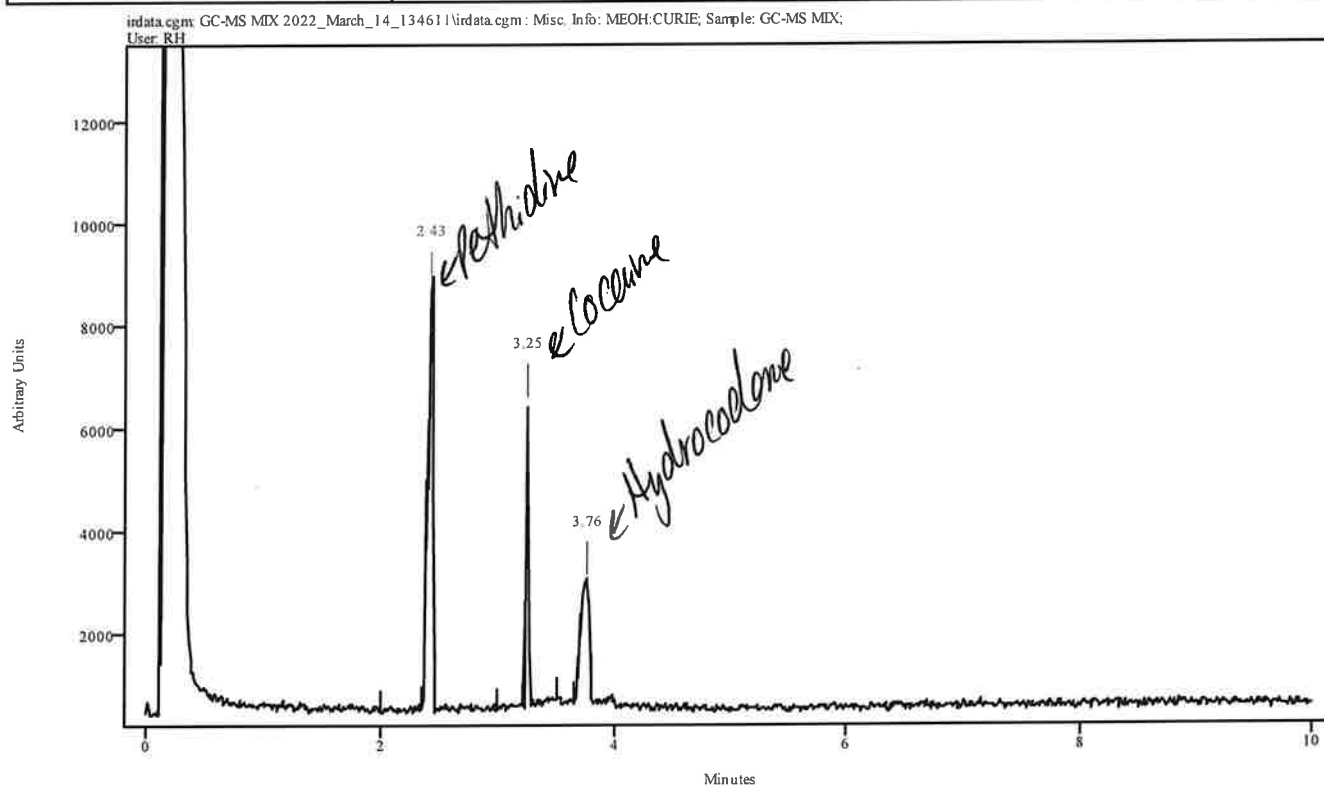
Hydrocodone

~~R~~DNV- see pethidine

MA

IRD Data Analysis Report

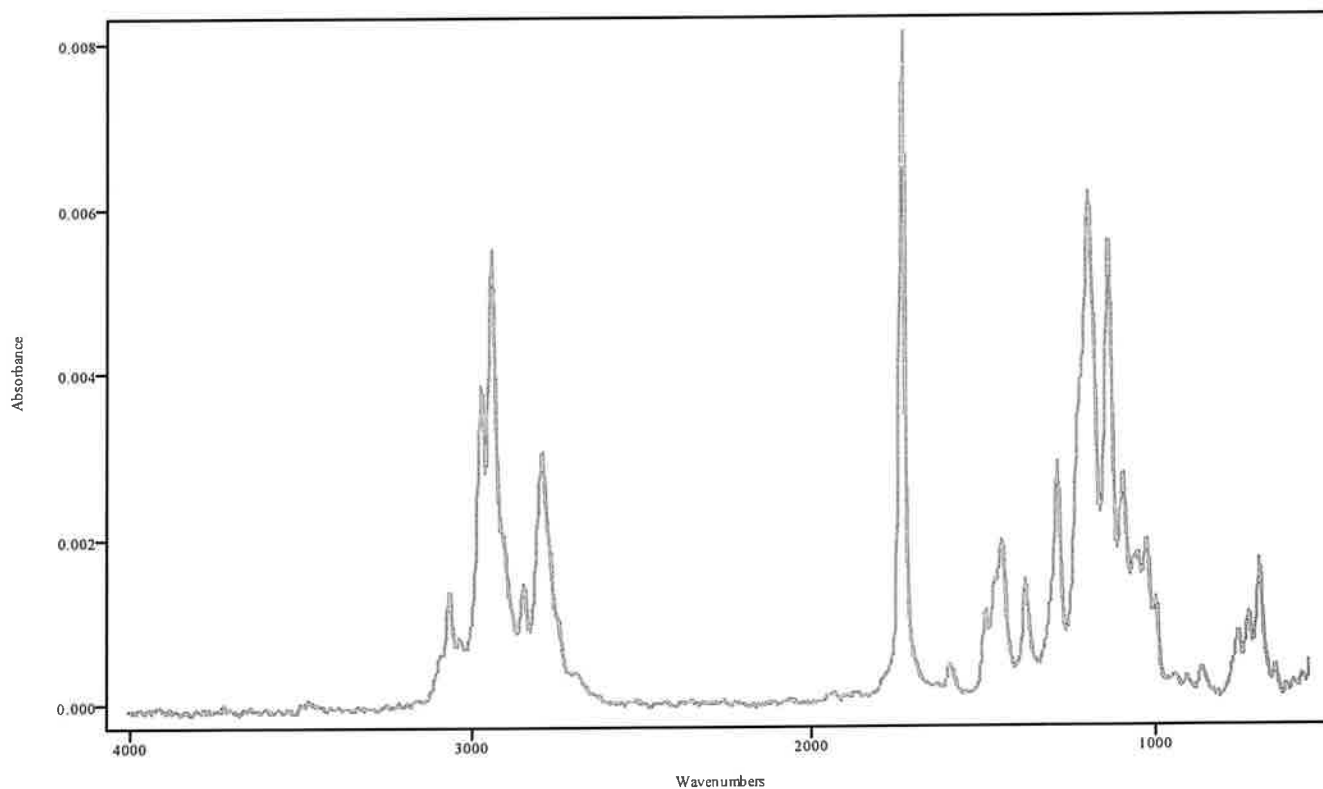
Data Filename	GC-MS MIX 2022_March_14_134611
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/GC-MS CALIBRATION STANDARD MIX
IRD Method	IRD3 EXT
GC Method	90TO270
GC Vial	22
Sample Name	GC-MS MIX
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 14 13:58:48 2022
Date Processed	Mon Mar 14 14:49:37 2022



Peak Start	Peak End	Peak Width	Reference Start	Reference End
2.382	2.459	0.077	1.998	2.349
3.241	3.271	0.033	2.996	3.216
3.708	3.798	0.088	3.511	3.655

YH

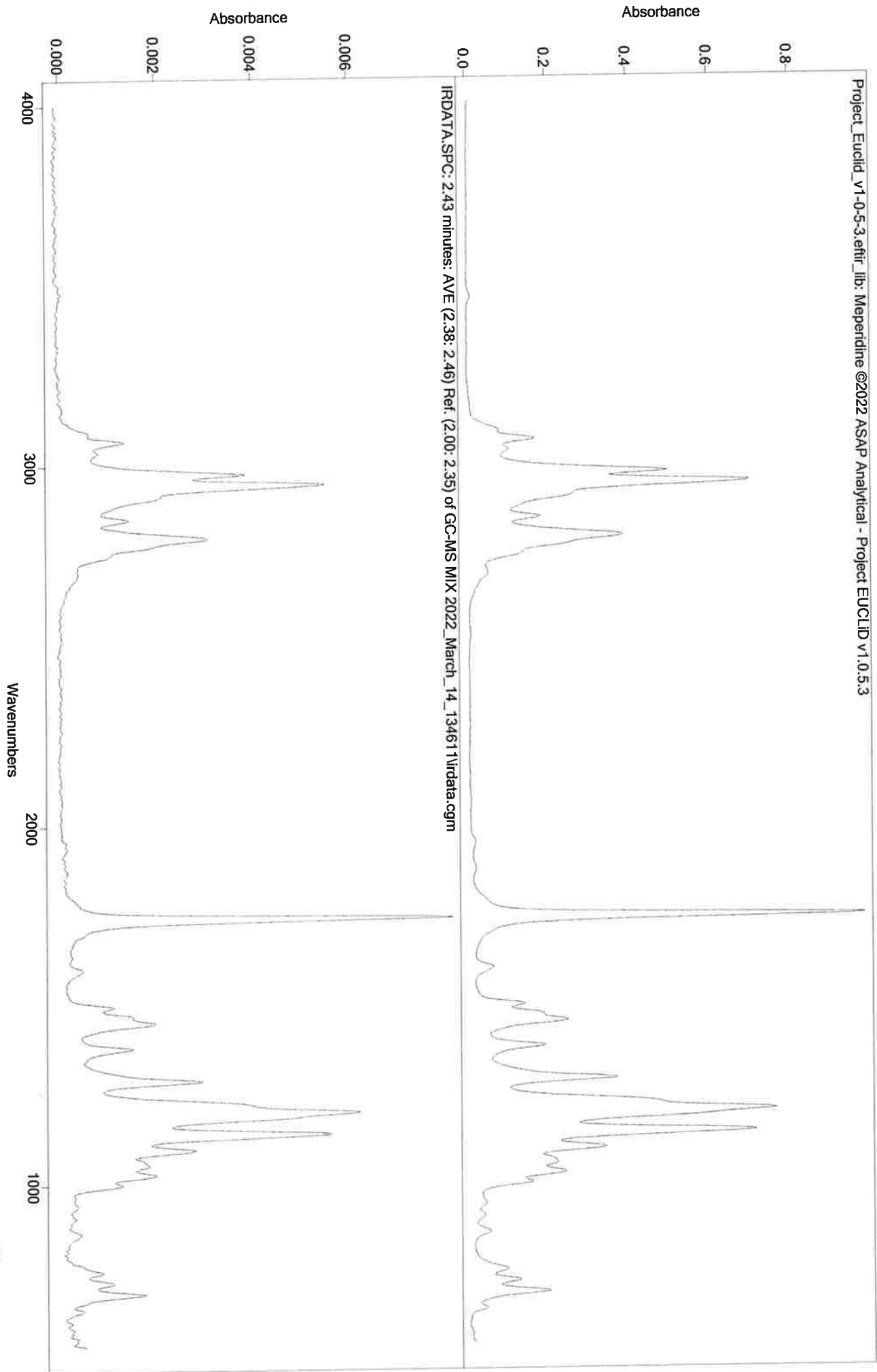
Data Filename	GC-MS MIX 2022_March_14_134611
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/GC-MS CALIBRATION STANDARD MIX
IRD Method	IRD3 EXT
GC Method	90TO270
GC Vial	22
Sample Name	GC-MS MIX
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 14 13:58:48 2022
Date Processed	Mon Mar 14 14:49:37 2022



IRDATA.SPC: 2.43 minutes: AVE (2.38: 2.46) Ref. (2.00: 2.35) of GC-MS MIX
 2022_March_14_134611.cgm PETHIDINE

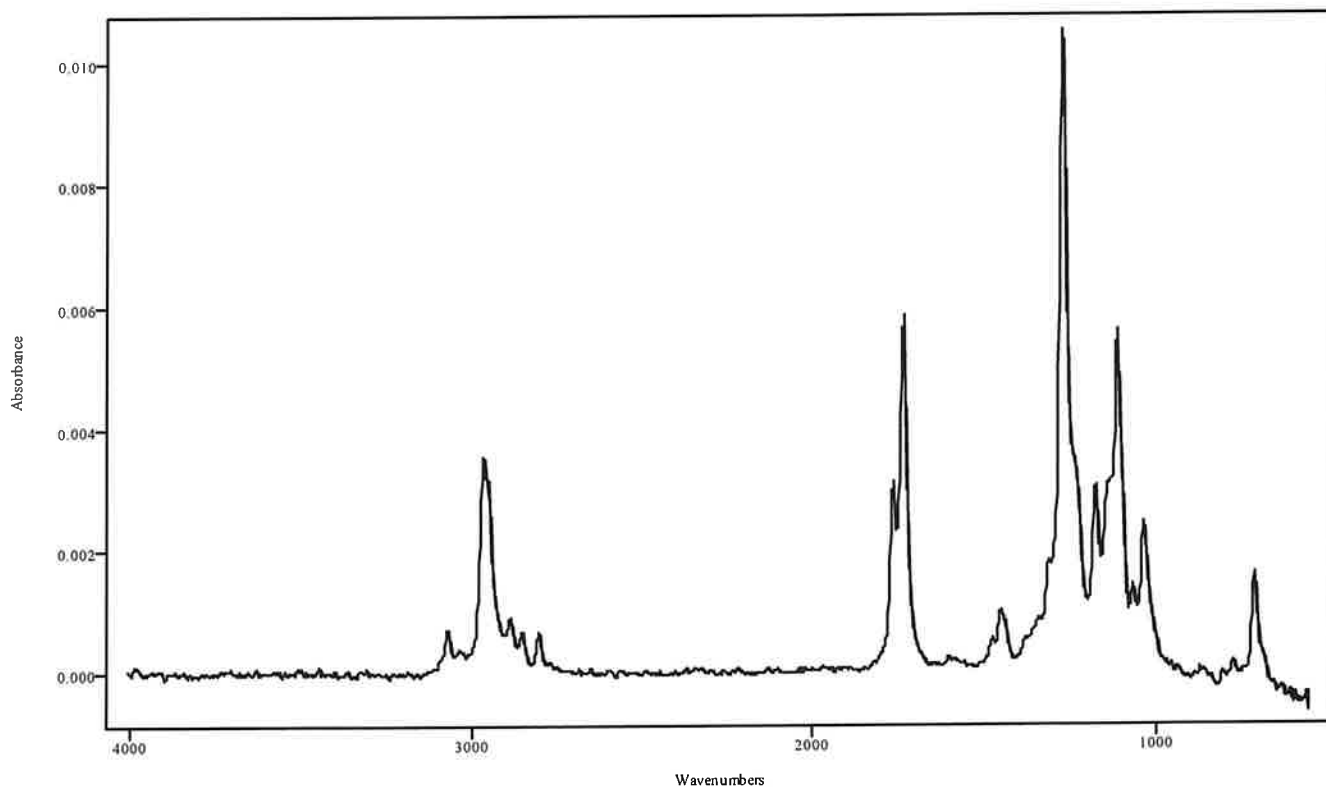
Pethidine

JH



NA

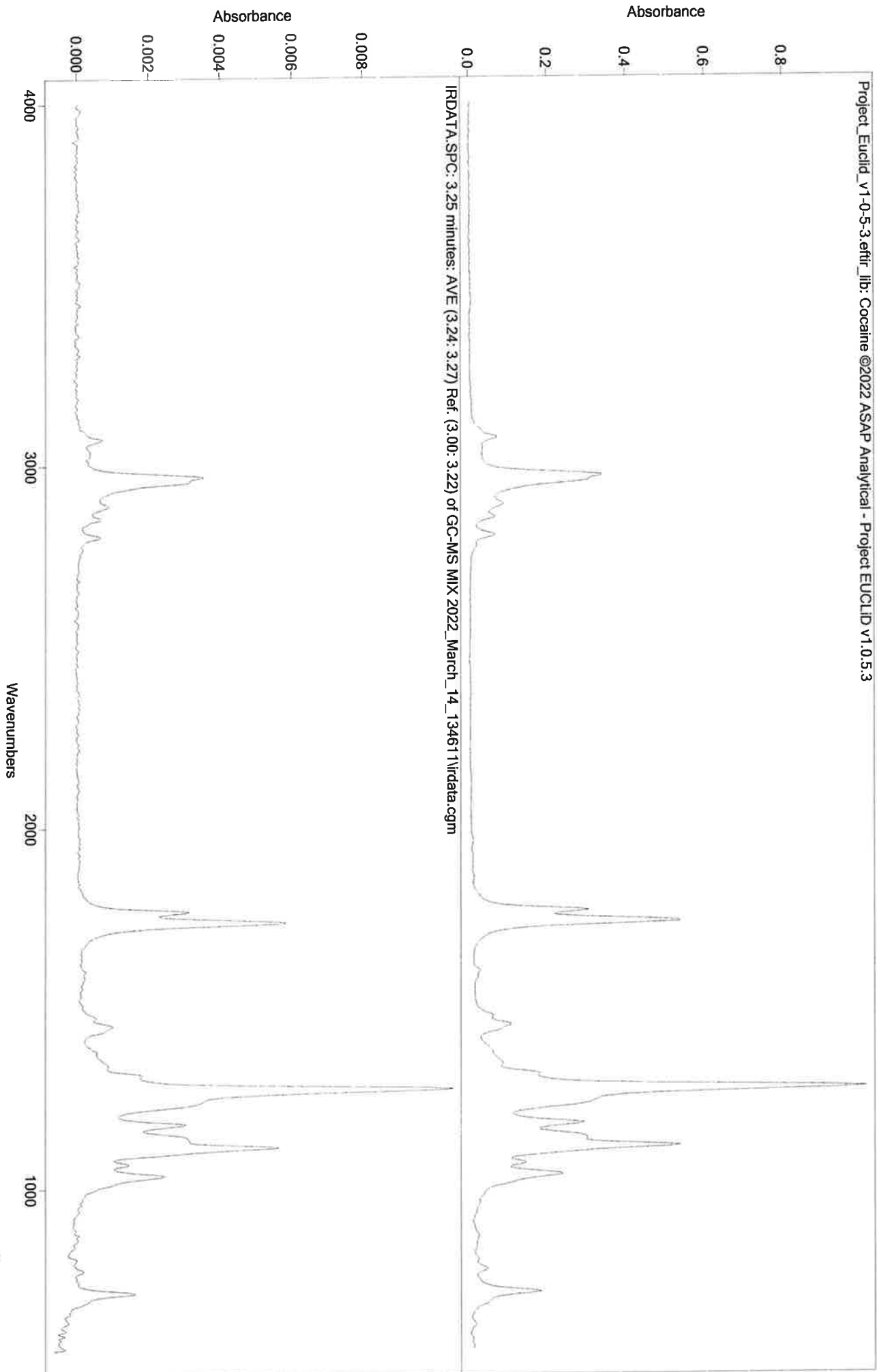
Data Filename	GC-MS MIX 2022_March_14_134611
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/GC-MS CALIBRATION STANDARD MIX
IRD Method	IRD3 EXT
GC Method	90TO270
GC Vial	22
Sample Name	GC-MS MIX
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 14 13:58:48 2022
Date Processed	Mon Mar 14 14:49:37 2022



IRDATA.SPC: 3.25 minutes: AVE (3.24: 3.27) Ref. (3.00: 3.22) of GC-MS MIX
 2022_March_14_134611.cgm COCAINE

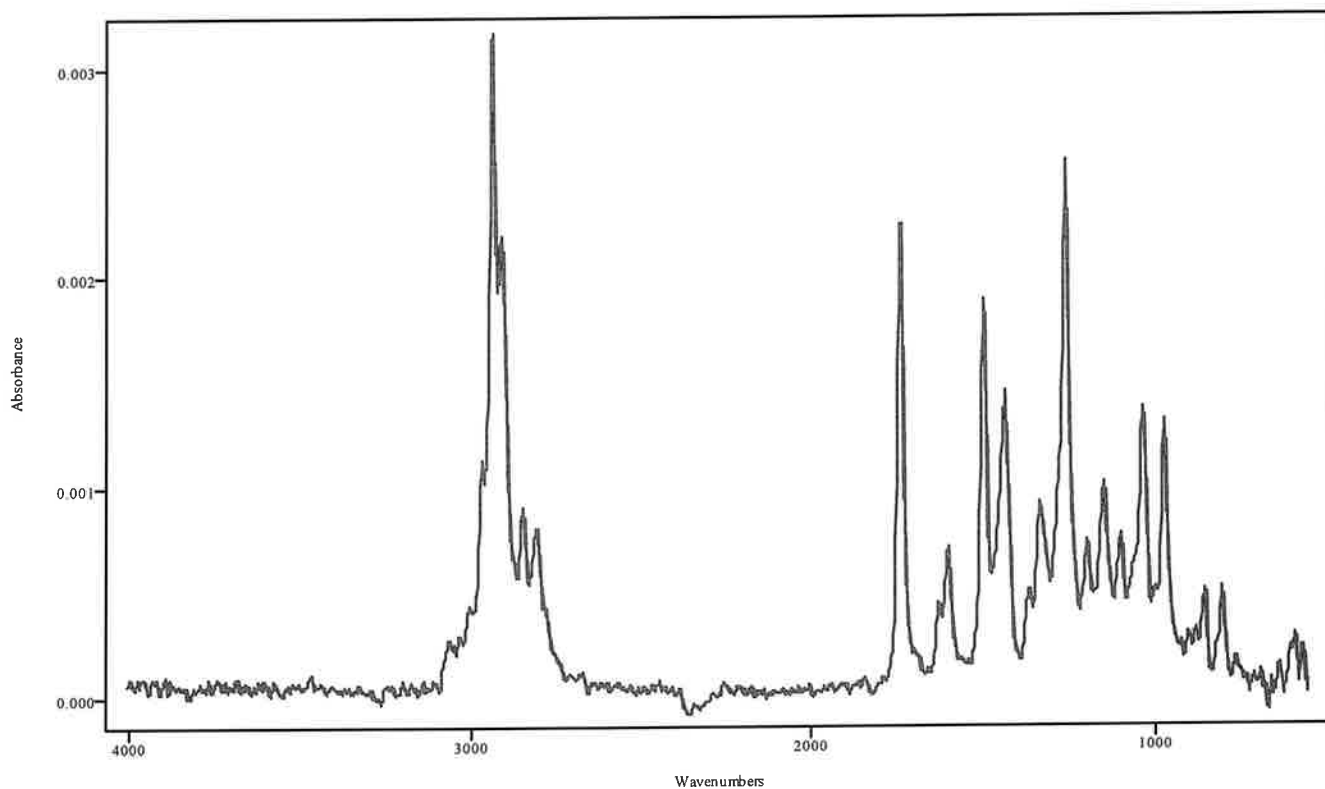
Cocaine

JK



YH

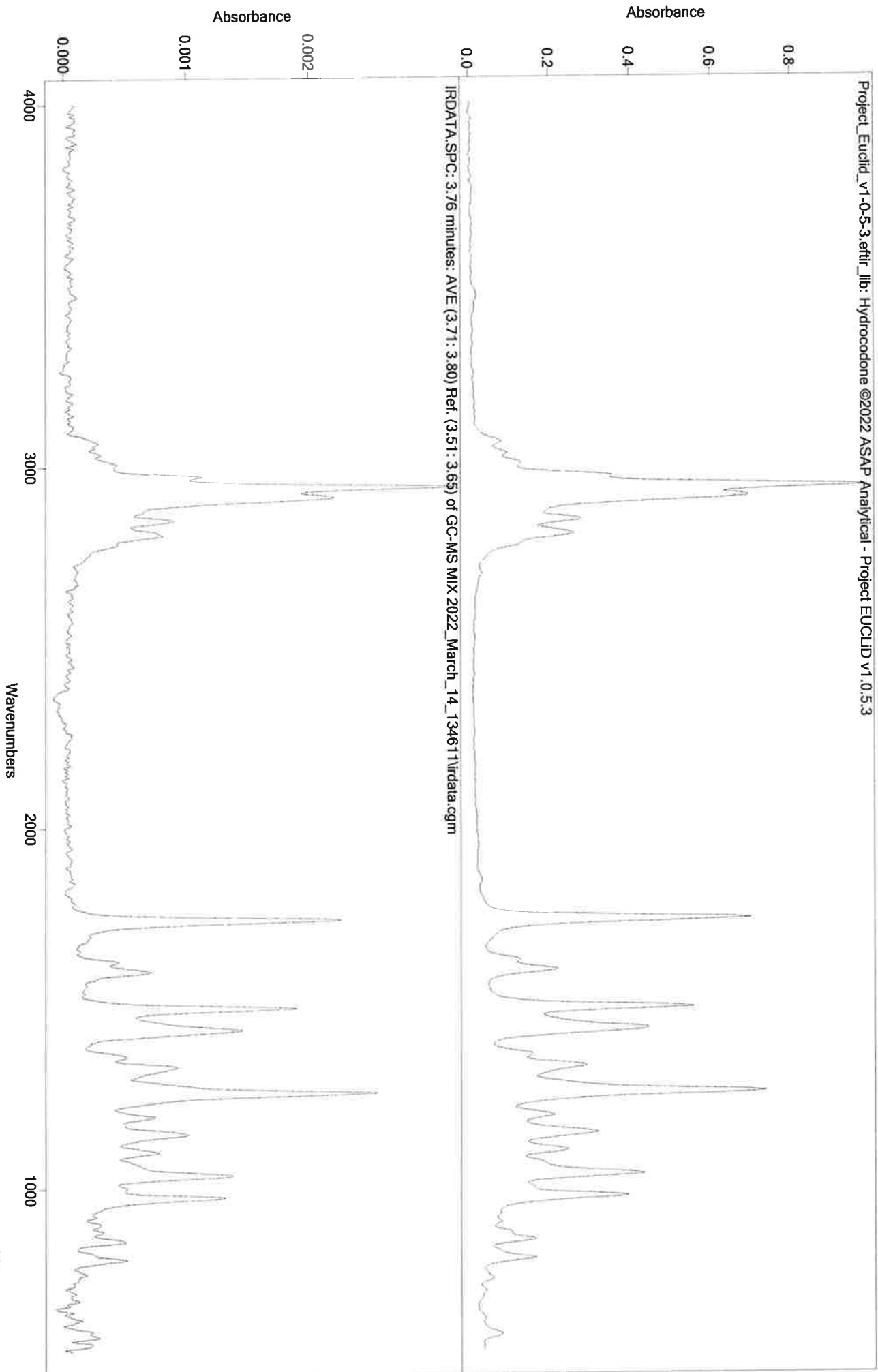
Data Filename	GC-MS MIX 2022_March_14_134611
Data Path	C:/ASAP DATA/PERFORMANCE CHECK/GC-MS CALIBRATION STANDARD MIX
IRD Method	IRD3 EXT
GC Method	90TO270
GC Vial	22
Sample Name	GC-MS MIX
Misc. Info	MEOH:CURIE
User ID	RH
Injection Time	Mon Mar 14 13:58:48 2022
Date Processed	Mon Mar 14 14:49:37 2022



IRDATA.SPC: 3.76 minutes: AVE (3.71: 3.80) Ref. (3.51: 3.65) of GC-MS MIX
2022_March_14_134611.cgm HYDROCODONE

Hydrocodone

MA

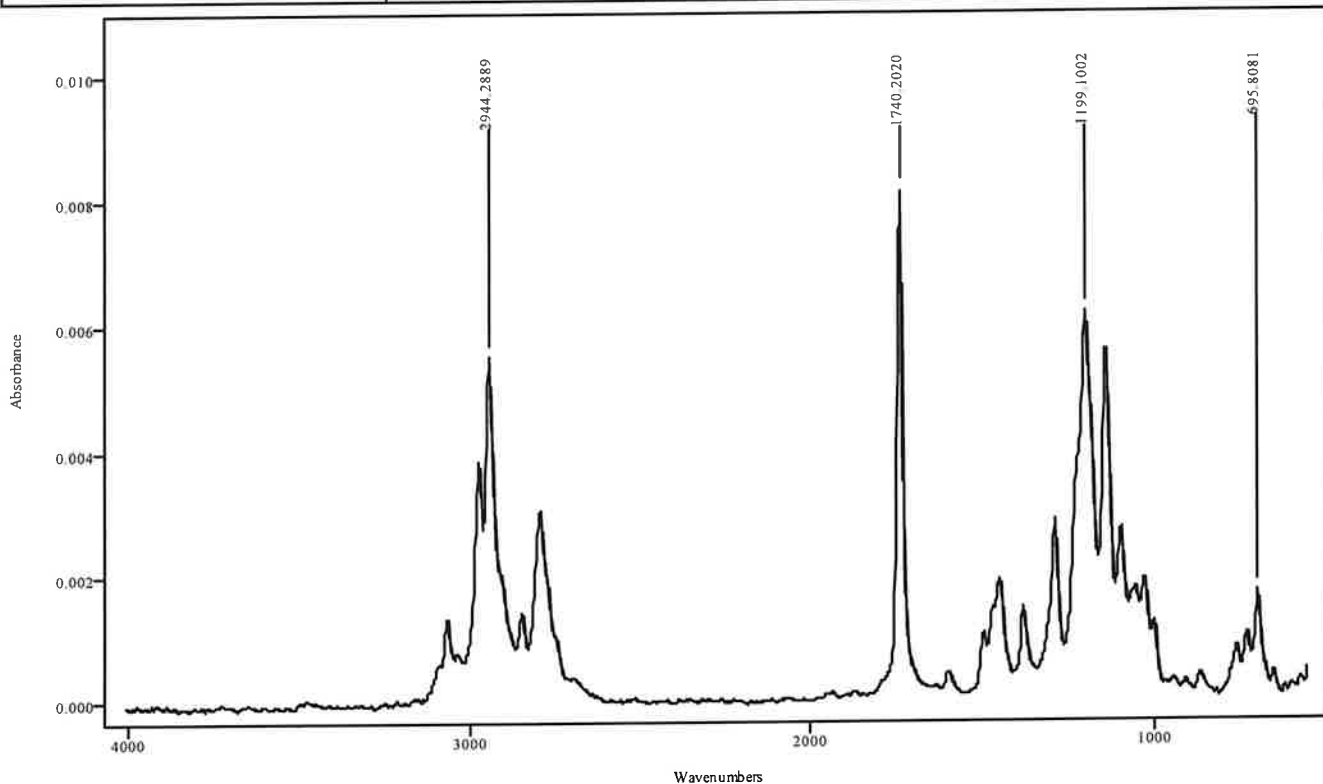


Manual Peak Pick Results

Curve

MA

Sample Filename	IRDATA.SPC
File Title	2.43 minutes: AVE (2.38: 2.46) Ref. (2.00: 2.35) of GC-MS MIX 2022_March_14_134611.cgm
Date	Mon Mar 14 14:51:41 2022



IRDATA.SPC: 2.43 minutes: AVE (2.38: 2.46) Ref. (2.00: 2.35) of GC-MS MIX EXT
2022_March_14_134611.cgm (PETHIDINE)

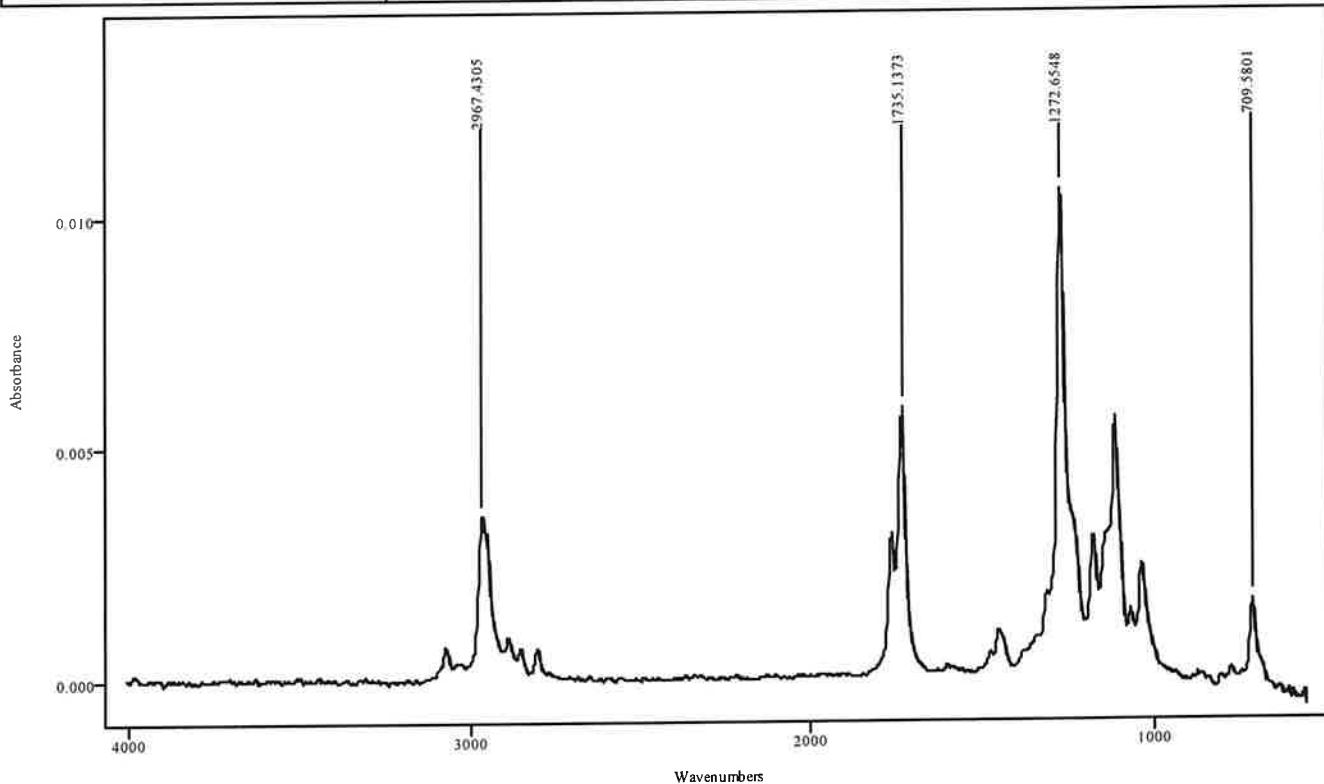
Filename	Peak At	Peak Height
IRDATA.SPC [0]	695.8081	0.0017
IRDATA.SPC [0]	1199.1002	0.0062
IRDATA.SPC [0]	1740.2020	0.0082
IRDATA.SPC [0]	2944.2889	0.0055

Manual Peak Pick Results

Curve

UH

Sample Filename	IRDATA.SPC
File Title	3.25 minutes: AVE (3.24: 3.27) Ref. (3.00: 3.22) of GC-MS MIX 2022_March_14_134611.cgm
Date	Mon Mar 14 14:53:40 2022



IRDATA.SPC: 3.25 minutes: AVE (3.24: 3.27) Ref. (3.00: 3.22) of GC-MS MIX EXT
2022_March_14_134611.cgm (COCAINE)

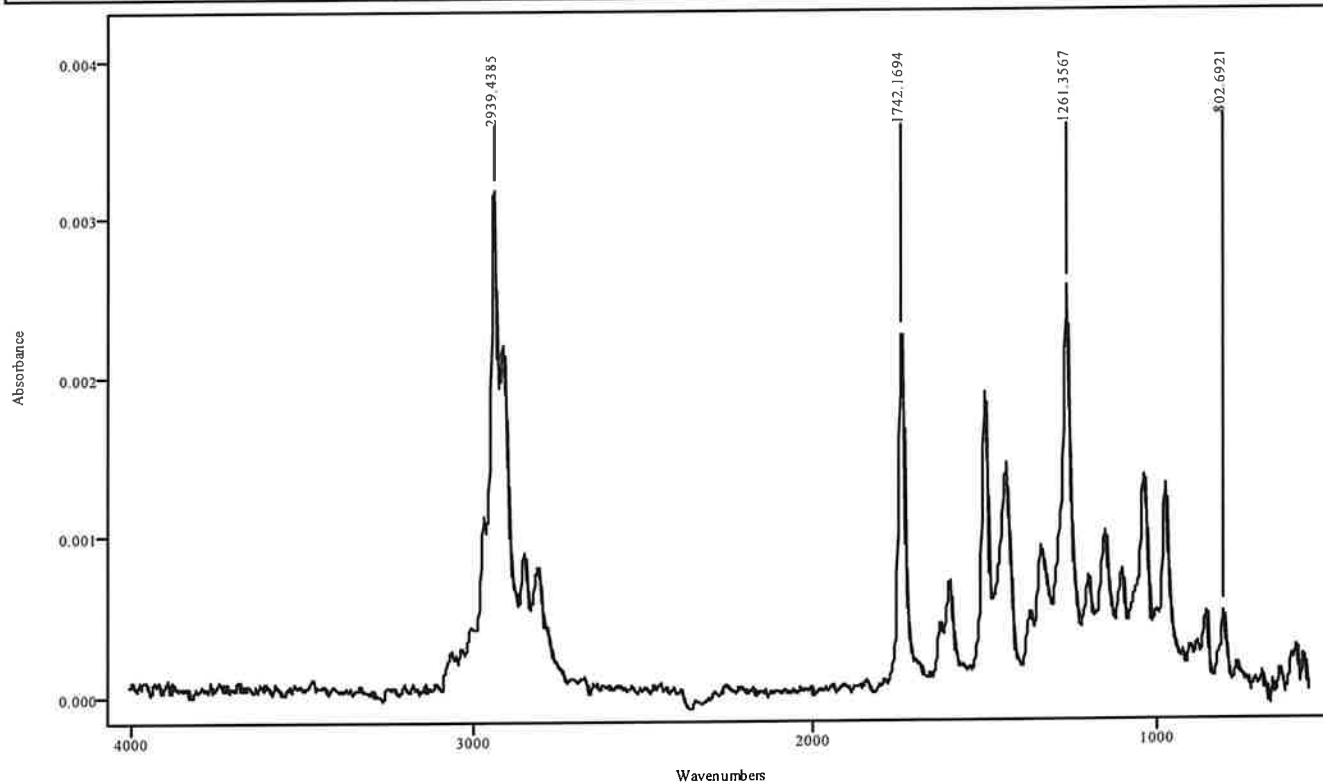
Filename	Peak At	Peak Height
IRDATA.SPC [0]	709.5801	0.0016
IRDATA.SPC [0]	1272.6548	0.0105
IRDATA.SPC [0]	1735.1373	0.0058
IRDATA.SPC [0]	2967.4305	0.0035

Manual Peak Pick Results

Curve

MT

Sample Filename	IRDATA.SPC
File Title	3.76 minutes: AVE (3.71: 3.80) Ref. (3.51: 3.65) of GC-MS MIX 2022_March_14_134611.cgm
Date	Mon Mar 14 14:54:37 2022



IRDATA.SPC: 3.76 minutes: AVE (3.71: 3.80) Ref. (3.51: 3.65) of GC-MS MIX EXT
2022_March_14_134611.cgm (HYDROCODONE)

Filename	Peak At	Peak Height
IRDATA.SPC [0]	802.6921	0.0005
IRDATA.SPC [0]	1261.3567	0.0026
IRDATA.SPC [0]	1742.1694	0.0023
IRDATA.SPC [0]	2939.4385	0.0032

Addendum (Methods for Agilent/ASAP Analytical IRD3 GC-FTIR 5 Meter Column)

Agilent GC:

Front Column: S/SL Injection Port with recommended HP-5 5 meter column, 0.32 column ID, and 0.25 um film thickness:

Stored Methods for AUTOSAMPLE SPLIT INJECTION

90TO270@35C	Initial 90C degrees hold for 1 minute ramped to 270C degrees at 35C/min. Constant carrier flow rate of 3.0 mL/min, Split ratio of 2.0, Split flow 6.0 mL/min, Pressure 3.441 psi, Septum purge flow 3 mL/min, Inlet temperature of 250C degrees. Total run time 10.00 minutes.
90TO270@35C(20MIN)	Initial 90C degrees hold for 1 minute ramped to 270C degrees at 35C/min. Constant carrier flow rate of 3.0 mL/min, Split ratio of 2.0, Split flow 6.0 mL/min, Pressure 3.441 psi, Septum purge flow 3 mL/min, Inlet temperature of 250C degrees. Total run time 20.00 minutes.
90TO270	Initial 90C degrees hold for 1 minute ramped to 270C degrees at 70C/min. Constant carrier flow rate of 3.0 mL/min, Split ratio of 2.0, Split flow 6.0 mL/min, Pressure 3.441 psi, Septum purge flow 3 mL/min, Inlet temperature of 250C degrees. Total run time 10.00 minutes.
90TO270(20MIN)	Initial 90C degrees hold for 1 minute ramped to 270C degrees at 70C/min. Constant carrier flow rate of 3.0 mL/min, Split ratio of 2.0, Split flow 6.0 mL/min, Pressure 3.441 psi, Septum purge flow 3 mL/min, Inlet temperature of 250C degrees. Total run time 20.00 minutes.
200TO270	Initial 200C degrees hold for 1 minute ramped to 270C degrees at 70C/min. Constant carrier flow rate of 3.0 mL/min, Split ratio of 2.0, Split flow of 6.0 mL/min, Pressure 5.1078, Septum purge flow 3mL/min, Inlet temperature of 250C degrees. Total run time 10.00 minutes.
200TO270(20MIN)	Initial 200C degrees hold for 1 minute ramped to 270C degrees at 70C/min. Constant carrier flow rate of 3.0 mL/min, Split ratio of 2.0, Split flow of 6.0 mL/min, Pressure 5.1078, Septum purge flow

3mL/min, Inlet temperature of 250C degrees. Total run time 20.00 minutes.

200TO270(30MIN) Initial 200C degrees hold for 1 minute ramped to 270C degrees at 70C/min. Constant carrier flow rate of 3.0 mL/min, Split ratio of 2.0, Split flow of 6.0 mL/min, Pressure 5.1078, Septum purge flow 3mL/min, Inlet temperature of 250C degrees. Total run time 30.00 minutes.

*Stored Methods for **MANUAL SPLIT INJECTION***

MAN90TO270@35C Initial 90C degrees hold for 1 minute ramped to 270C degrees at 35C/min. Constant carrier flow rate of 3.0 mL/min, Split ratio of 2.0, Split flow 6.0 mL/min, Pressure 3.441 psi, Septum purge flow 3 mL/min, Inlet temperature of 250C degrees. Total run time 10.00 minutes

MAN90TO270@35C(20MIN) Initial 90C degrees hold for 1 minute ramped to 270C degrees at 35C/min. Constant carrier flow rate of 3.0 mL/min, Split ratio of 2.0, Split flow 6.0 mL/min, Pressure 3.441 psi, Septum purge flow 3 mL/min, Inlet temperature of 250C degrees. Total run time 20.00 minutes.

MAN90TO270 Initial 90C degrees hold for 1 minute ramped to 270C degrees at 70C/min. Constant carrier flow rate of 3.0 mL/min, Split ratio of 2.0, Split flow 6.0 mL/min, Pressure 3.441 psi, Septum purge flow 3 mL/min, Inlet temperature of 250C degrees. Total run time 10.00 minutes.

MAN90TO270(20MIN) Initial 90C degrees hold for 1 minute ramped to 270C degrees at 70C/min. Constant carrier flow rate of 3.0 mL/min, Split ratio of 2.0, Split flow 6.0 mL/min, Pressure 3.441 psi, Septum purge flow 3 mL/min, Inlet temperature of 250C degrees. Total run time 20.00 minutes.

MAN200TO270 Initial 200C degrees hold for 1 minute ramped to 270C degrees at 70C/min. Constant carrier flow rate of 3.0 mL/min, Split ratio of 2.0, Split flow of 6.0 mL/min, Pressure 5.1078, Septum purge flow 3mL/min, Inlet temperature of 250C degrees. Total run time 10.00 minutes.

MAN200TO270(20MIN) Initial 200C degrees hold for 1 minute ramped to 270C degrees at 70C/min. Constant carrier flow rate of 3.0 mL/min, Split ratio of 2.0,

Split flow of 6.0 mL/min, Pressure 5.1078, Septum purge flow 3mL/min, Inlet temperature of 250C degrees. Total run time 20.00 minutes.

MAN200TO270(30MIN) Initial 200C degrees hold for 1 minute ramped to 270C degrees at 70C/min. Constant carrier flow rate of 3.0 mL/min, Split ratio of 2.0, Split flow of 6.0 mL/min, Pressure 5.1078, Septum purge flow 3mL/min, Inlet temperature of 250C degrees. Total run time 30.00 minutes.

Stored Methods for AUTOSAMPLE SPLITLESS INJECTION

SL90TO270@35C Initial 90C degrees hold for 1 minute ramped to 270C degrees at 35C/min. Constant carrier flow rate of 3.0 mL/min, Splitless, Pressure 3.441, Purge flow to Split Vent 15 mL/min at 0.75 min, Septum purge flow 3 mL/min, Inlet temperature of 250C degrees. Total run time 10.00 minutes.

SL90TO270@35C(20MIN) Initial 90C degrees hold for 1 minute ramped to 270C degrees at 35C/min. Constant carrier flow rate of 3.0 mL/min, Splitless, Pressure 3.441, Purge flow to Split Vent 15 mL/min at 0.75 min, Septum purge flow 3 mL/min, Inlet temperature of 250C degrees. Total run time 20.00 minutes.

SL90TO270 Initial 90C degrees hold for 1 minute ramped to 270C degrees at 70C/min. Constant carrier flow rate of 3.0 mL/min, Splitless, Pressure 3.441, Purge flow to Split Vent 15 mL/min at 0.75min, Septum purge flow 3 mL/min, Inlet temperature of 250C degrees. Total run time 10.00 minutes.

SL90TO270(20MIN) Initial 90C degrees hold for 1 minute ramped to 270C degrees at 70C/min. Constant carrier flow rate of 3.0 mL/min, Splitless, Pressure 3.441, Purge flow to Split Vent 15 mL/min at 0.75 min, Septum purge flow 3 mL/min, Inlet temperature of 250C degrees. Total run time 20.00 minutes.

SL200TO270 Initial 200C degrees hold for 1 minute ramped to 270C degrees at 70C/min. Constant carrier flow rate of 3.0 mL/min, Splitless, Pressure 5.1078, Purge flow to Split Vent 15 mL/min at 0.75 min, Septum purge flow 3mL/min, Inlet temperature of 250C degrees. Total run time 10.00 minutes.

SL200TO270(20MIN) Initial 200C degrees hold for 1 minute ramped to 270C degrees at 70C/min. Constant carrier flow rate of 3.0 mL/min, Splitless, Pressure 5.1078, Purge flow to Split Vent 15 mL/min at 0.75 min, Septum purge flow 3mL/min, Inlet temperature of 250C degrees. Total run time 20.00 minutes.

SL200TO270(30MIN) Initial 200C degrees hold for 1 minute ramped to 270C degrees at 70C/min. Constant carrier flow rate of 3.0 mL/min, Splitless, Pressure 5.1078, Purge flow to Split Vent 15 mL/min at 0.75 min, Septum purge flow 3mL/min, Inlet temperature of 250C degrees. Total run time 30.00 minutes.

*See Instrument Operating Procedures and Maintenance Book for full method printed information.

ASAP Analytical IRD3 (FTIR):

IRD3 Resolution of 8 cm⁻¹ with a Co-Add (Scans) of 2, Background Scans (Collecting Basis Set→Basis Set File 10 times with 6 scans each = 60 Scans) prior to each sample, set at Auto Calculate Gain (typically 1-2), Frequency range 800-4000 cm⁻¹, Apodization: Triangle, Phase Correction: Mertz, Zero Fill: 1, Flow Cell, Transfer Lines A & B at 280C, Smoothing Factor: OFF, Length 100, Symmetry: 2, Offset 60, Source Power at 22, and Laser Wavelength of 0.63299.

IRD3 EXT Resolution of 8 cm⁻¹ with a Co-Add (Scans) of 2, Background Scans (Collecting Basis Set→Basis Set File 10 times with 6 scans each = 60 Scans) prior to each sample, set at Auto Calculate Gain (typically 1-2), Frequency range 550-4000 cm⁻¹, Apodization: Triangle, Phase Correction: Mertz, Zero Fill: 1, Flow Cell, Transfer Lines A & B at 280C, Smoothing Factor: OFF, Length 100, Symmetry: 2, Offset 60, Source Power at 22, and Laser Wavelength of 0.63299.

SHUTDOWN Resolution of 8 cm⁻¹ with a Co-Add (Scans) of 2, Background Scans (Collecting Basis Set→Basis Set File 10 times with 6 scans each = 60 Scans) prior to each sample, set at Auto Calculate Gain (typically 1-2), Frequency range 800-4000 cm⁻¹, Apodization: Triangle, Phase Correction: Mertz, Zero Fill: 1, Flow Cell at 280C, Transfer Lines A & B at 230C, Smoothing Factor: OFF, Length 100, Symmetry: 2, Offset 60, Source Power Off, and Laser Wavelength of 0.63299.

DO NOT use “Default” method for IRD method in casework.

For Resolution and Co-Add (Scans) Study ONLY:

8 Resolution 4 Scans Resolution of 8 cm⁻¹ with a Co-Add (Scans) of 4, Background Scans (Collecting Basis Set→Basis Set File 10 times with 6 scans each = 60 Scans) prior to each sample, set at Auto Calculate Gain (typically 1-2), Frequency range 800-4000 cm⁻¹, Apodization: Triangle, Phase Correction: Mertz, Zero Fill: 1, Flow Cell, Transfer Lines A & B at 280C, Smoothing Factor: OFF, Length 100, Symmetry: 2, Offset 60, Source Power at 22, and Laser Wavelength of 0.63299.

Always verify that the temperature for the GC interface (flow cell) is at least 10 degrees higher than the maximum temperature of the GC oven. The nitrogen purge for the IRD3 should be set at around 20 psi and the nitrogen make-gas for the IRD flow controller’s auxiliary lines A & B should be set at around 5 psi.

Curie (Agilent 8890/ASAP Analytical IRD3 GC-FTIR) Serial Numbers

Agilent GC 8890

Serial# US2143A009

Agilent Autosampler G4513A

Serial# RO21425055

Agilent Autosampler Tray 7693A (G4514A)

Serial# RO21397060

ASAP Analytical Model 528A (IRD3)

Serial# A10050-C15

ASAP Analytical Flow Controller for IRD3 Model 013-4979

Serial# AF10050-C15

HP LaserJet Pro M203dw

Serial# VNB3G43455

OptiPlex 3090 D14U (Modem)

Serial #JMFMT3

Device ID: 0BB0BF14-4841-4256-A0A3-4B162603B82B

Curie (Agilent 8890/ASAP Analytical IRD3 GC-FTIR) Serial Numbers

Agilent GC 8890

Serial# US2143A009

Agilent Autosampler G4513A

Serial# RO21425055

Agilent Autosampler Tray 7693A (G4514A)

Serial# RO21397060

ASAP Analytical Model 528A (IRD3)

Serial# A10050-C15

ASAP Analytical Flow Controller for IRD3 Model 013-4979

Serial# AF10050-C15

HP LaserJet Pro M203dw

Serial# VNB3G43455

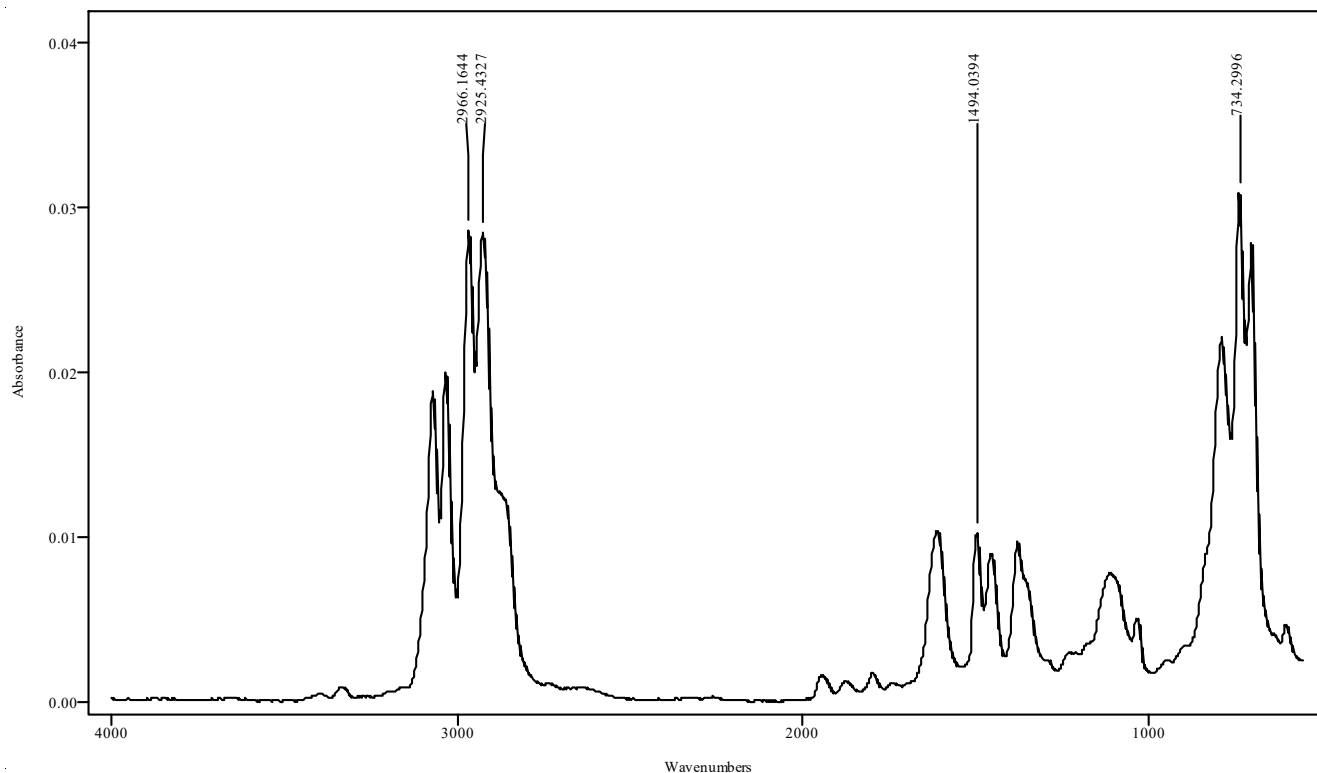
OptiPlex 3090 D14U (Modem)

Serial #JMFMT3

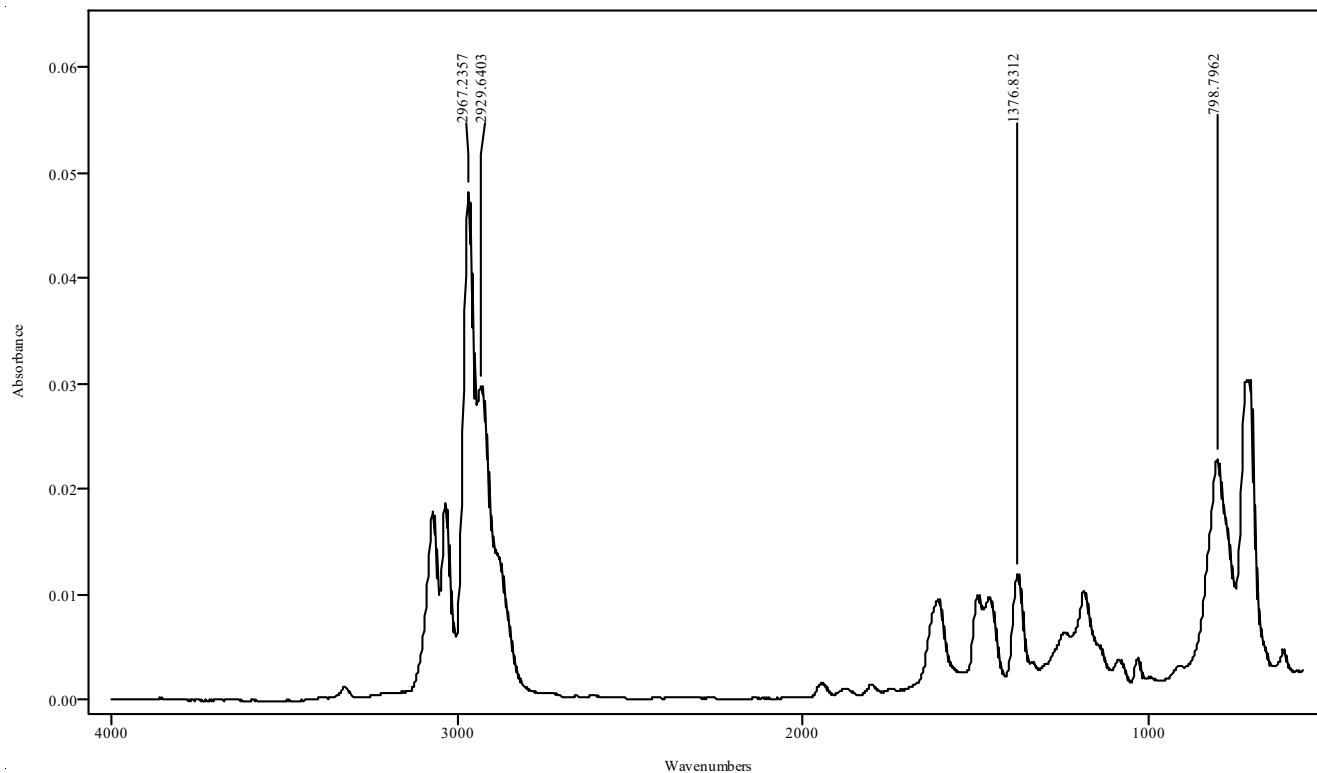
Device ID: 0BB0BF14-4841-4256-A0A3-4B162603B82B

Instrument Name: _____ Initials and Date: _____

ASAP Analytical IRD3 and IRD3 EXT Wavenumber Evaluation

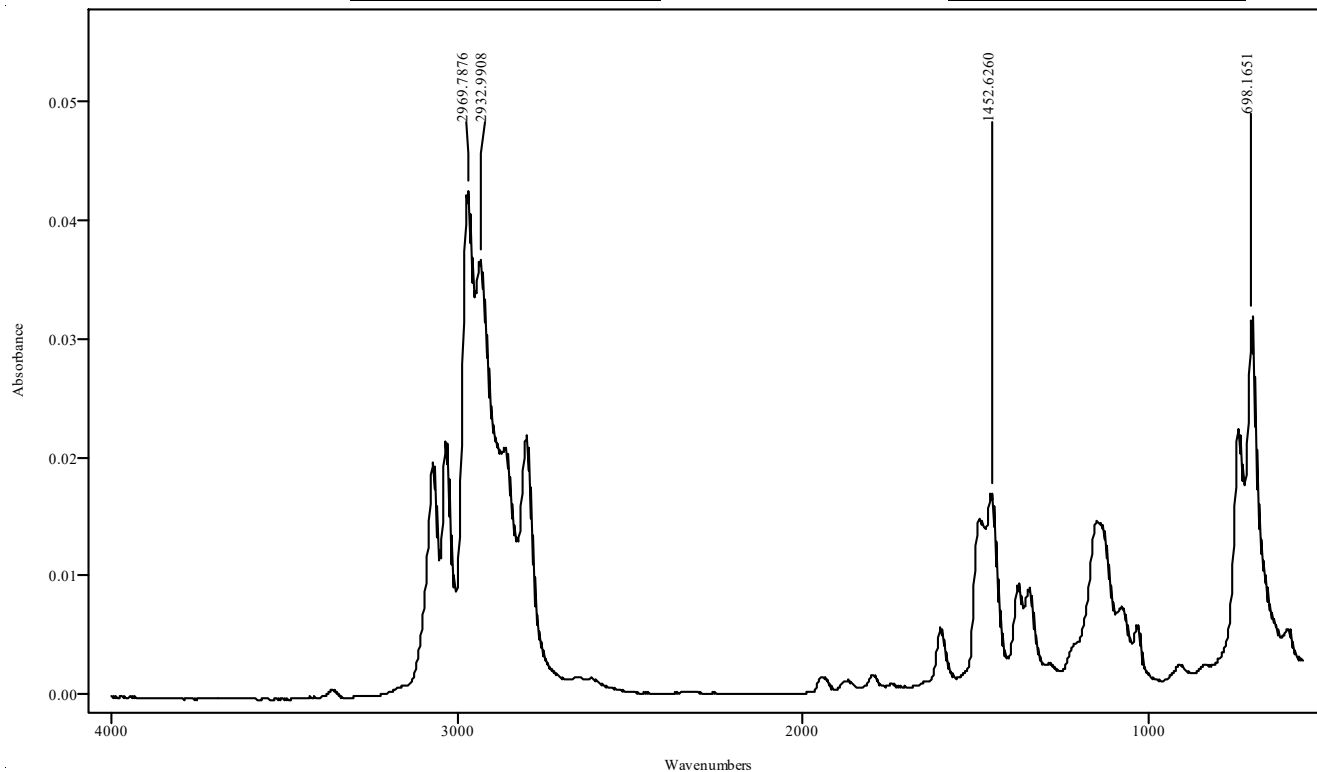


IRDATA.SPC: 4.72 minutes: AVE (4.71: 4.73) Ref. (4.41: 4.68) of GC-IR TEST SOL EXT
2021_March_16_215736.cgm (AMPHETAMINE)



IRDATA.SPC: 4.87 minutes: AVE (4.84: 4.88) Ref. (4.41: 4.68) of GC-IR TEST SOL EXT
2021_March_16_215736.cgm (PHENTERMINE)

Instrument Name: _____ Initials and Date: _____

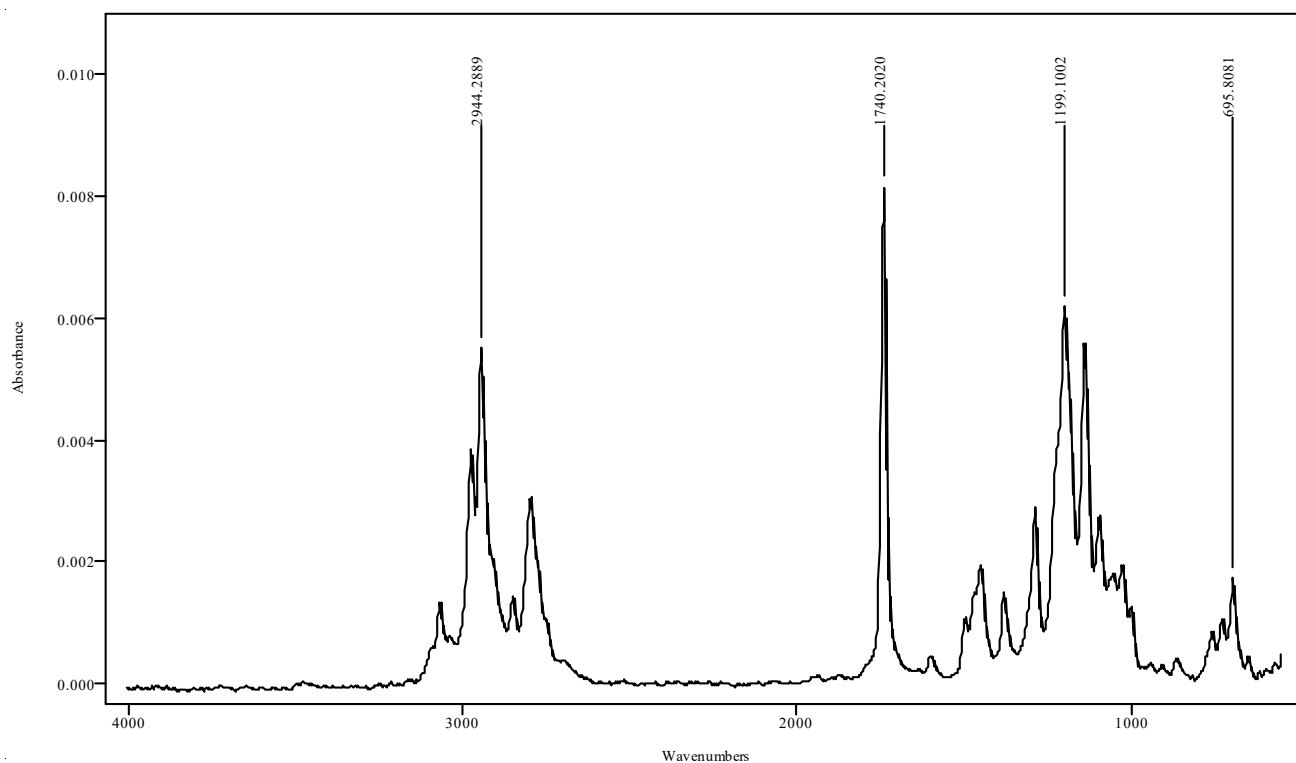


IRDATA.SPC: 4.93 minutes: AVE (4.92: 4.95) Ref. (4.41: 4.68) of GC-IR TEST SOL EXT
2021_March_16_215736.cgm (METHAMPHETAMINE)

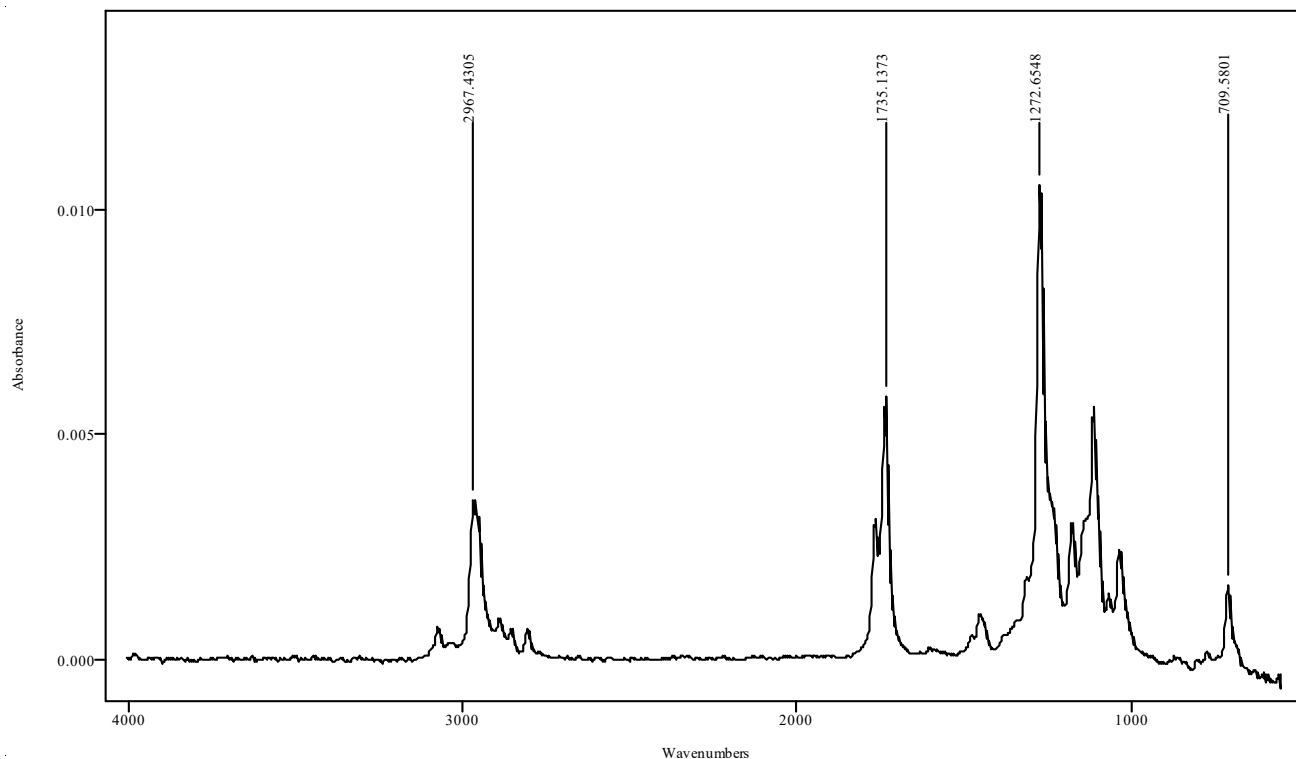
Compound		Expected	Measured	Criteria	Result
(IRD3 EXT) Amphetamine	Peak 1	734.2996		+/- 8 cm-1	Pass ☐
	Peak 2	1494.0394		+/- 8 cm-1	Pass ☐
	Peak 3	2925.4327		+/- 8 cm-1	Pass ☐
	Peak 4	2966.1644		+/- 8 cm-1	Pass ☐
(IRD3 EXT) Phentermine	Peak 1	798.7962		+/- 8 cm-1	Pass ☐
	Peak 2	1376.8312		+/- 8 cm-1	Pass ☐
	Peak 3	2929.6403		+/- 8 cm-1	Pass ☐
	Peak 4	2967.2357		+/- 8 cm-1	Pass ☐
(IRD3 EXT) Methamphetamine	Peak 1	698.1651		+/- 8 cm-1	Pass ☐
	Peak 2	1452.6260		+/- 8 cm-1	Pass ☐
	Peak 3	2932.9908		+/- 8 cm-1	Pass ☐
	Peak 4	2969.7876		+/- 8 cm-1	Pass ☐

Instrument Name: _____ Initials and Date: _____

ASAP Analytical IRD3 and IRD3 EXT Wavenumber Evaluation (Short Column)

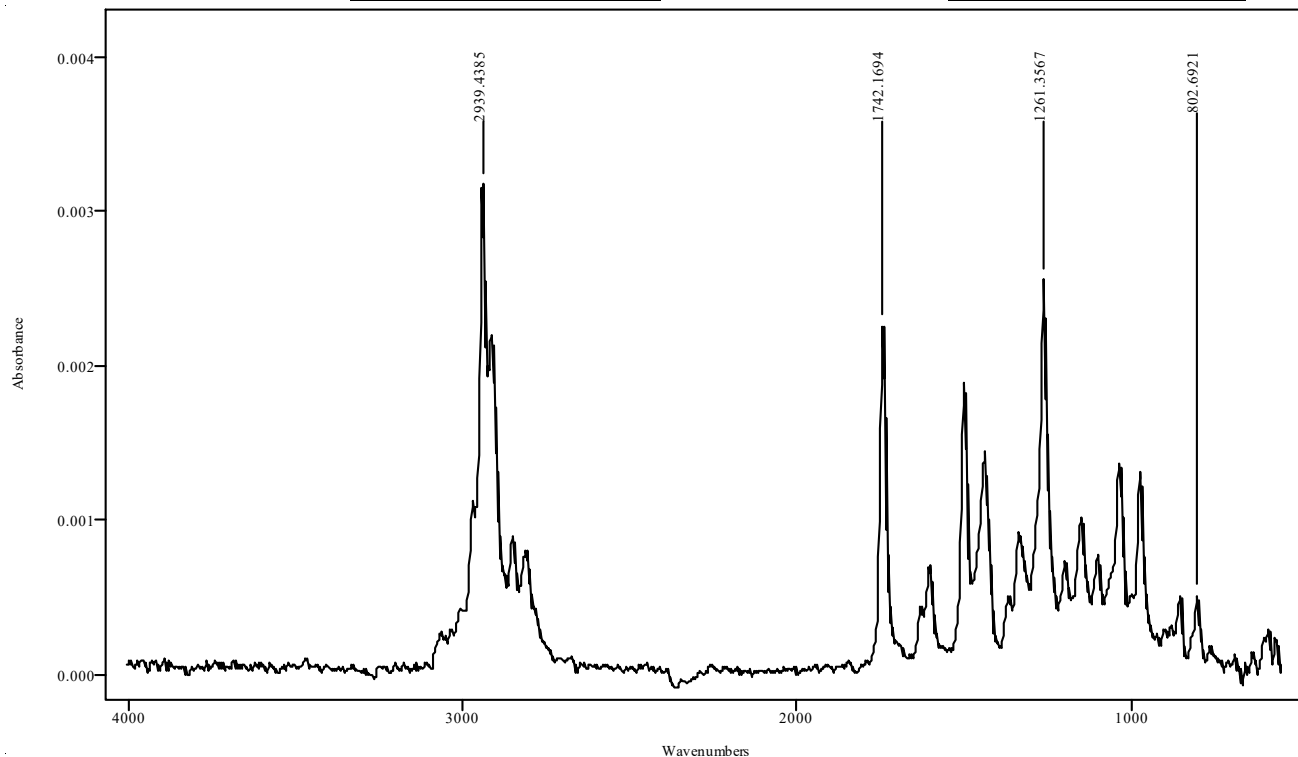


IRDATA.SPC: 2.43 minutes: AVE (2.38: 2.46) Ref. (2.00: 2.35) of GC-MS MIX EXT
2022_March_14_134611.cgm (PETHIDINE)



IRDATA.SPC: 3.25 minutes: AVE (3.24: 3.27) Ref. (3.00: 3.22) of GC-MS MIX EXT
2022_March_14_134611.cgm (COCAINE)

Instrument Name: _____ Initials and Date: _____



IRDATA.SPC: 3.76 minutes: AVE (3.71: 3.80) Ref. (3.51: 3.65) of GC-MS MIX EXT
2022_March_14_134611.cgm (HYDROCODONE)

Compound		Expected	Measured	Criteria	Result
(IRD3 EXT) Pethidine	Peak 1	695.8081		+/- 8 cm-1	Pass ☐
	Peak 2	1199.1002		+/- 8 cm-1	Pass ☐
	Peak 3	1740.2020		+/- 8 cm-1	Pass ☐
	Peak 4	2944.2889		+/- 8 cm-1	Pass ☐
(IRD3 EXT) Cocaine	Peak 1	709.5801		+/- 8 cm-1	Pass ☐
	Peak 2	1272.6548		+/- 8 cm-1	Pass ☐
	Peak 3	1735.1373		+/- 8 cm-1	Pass ☐
	Peak 4	2967.4305		+/- 8 cm-1	Pass ☐
(IRD3 EXT) Hydrocodone	Peak 1	802.6921 (No resolved peak in 550-800 cm-1 range)		+/- 8 cm-1	Pass ☐
	Peak 2	1261.3567		+/- 8 cm-1	Pass ☐
	Peak 3	1742.1694		+/- 8 cm-1	Pass ☐
	Peak 4	2939.4385		+/- 8 cm-1	Pass ☐