

TBI-FORENSIC SERVICES DIVISION PERFORMANCE VERIFICATION FORM

Instrument/Method to Verify:

Agilent GC 8890 ASAP Analytical IRD3 GC-FTIR "Yoda" SN#US2245A073, SN#A10054-B16

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

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

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

Name Rebecca Stout Title SAFS II Initials RMS

Completed: Rebecca Stout
Rebecca Stout (Apr 20, 2023 09:03 CDT)

Name _____ Title _____ Initials _____

Completed:

Name _____ Title _____ Initials _____

Completed:

Verification of final review:

Unit Supervisor: Rebecca Hernandez

Section Manager: Melann Everett

Unit Supervisor: Brett Trotter

Section Manager:

Unit Supervisor:

Section Manager:

Regional Administrator: Jenifer Hall
Jenifer Hall (Apr 20, 2023 09:08 CDT)

Regional Administrator:

Regional Administrator:

Quality Assurance Manager: Chad Johnson
Chad Johnson (Apr 20, 2023 09:39 CDT)

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

Technical Leader: Brett Trotter

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

Validation/Performance Check for Agilent GC 8890 ASAP Analytical IRD3 GC-FTIR (vapor phase) “Yoda”

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I. Introduction:

This validation of Yoda 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) (Serial Number US2245A073/A10054-B16) "Yoda" 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 labile 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 a similar type of column with previously validated methods and will be verified as fit for use. For Yoda, a shorter, 15 meter HP-1 column with 0.32 ID and 1.0 μm film thickness was used to shorten sample run times for polydrug mixtures that include compounds such as Methamphetamine, Tramadol, 4-ANPP, Heroin, Acetyl Fentanyl, Para-fluorofentanyl, and Fentanyl. The POLYDRUG, SLPOLYDRUG, and MANPOLYDRUG methods are 10 minute methods that were created to allow for separation of polydrug mixtures within a 10 minute run time. The validation of Yoda was achieved by running a series of standards using existing validated Agilent GC methods along with the new "POLYDRUG" methods in conjunction with the "IRD3 EXT" method. A validation of this IRD3 EXT method had previously been performed and approved on existing ASAP Analytical IRD3's Hedwig, Aslan, and Curie (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.

Validation of the following will include:

- Performance Check of Methods and Validation of New Methods
- A. Performance Check of Methods and Validation of New Method – A series of standards will be analyzed using a shorter column (HP-1 15 meter column, 0.32 ID, 1.0 μm film thickness) than previously validated GC-IR's Hedwig and Aslan (HP-1 30 meter column, 0.32ID 1.0 μm film thickness), using autosample, splitless autosample, and manual methods order to obtain their respective vapor phase IR spectra. In addition to the previously validated instrument methods, there will be additional "POLYDRUG" methods (POLYDRUG, MANPOLYDRUG, and SLPOLYDRUG) introduced that will be shorter 10-minute run times for polydrug mixtures allowing for faster analysis time for the blank and sample, yet also separation of closely eluting compounds. Due to the length of the column being 15

meters, the GC-MS Calibration Standard Mix (GC-MS Mix) will be run as the monthly standard check with each standard's wavenumbers evaluated.

II. Materials:

Column & Liner:

Agilent J&W GC HP-1 15 meter, 0.32 ID, 1.00 um column (P/N#190917-213
S/N#US2618841H)

Restek Topaz Split/Splitless Straight with wool liner

Balance Mettler Toledo XS 225 DU
S/N BP03095311
INDEX 30

Pipette

1000µL Eppendorf Reference Pipette ID NCL-FC-012 Calibrated by Precision Calibration
Systems 06-22-2022

Solvent and Standards:

Methanol - Lot# 221068 Bottle # 1 of 4 Exp. u/c

GCIR STD Mix

"D-Ampethamine Sulfate K+K Labs Lot 83567
A- (D-L) Methamphetamine K+K Labs Lot 732A
Phentermine Sigma Lot 47H0208"
0.5N NaOH Lot 214252
CHCl₃ Lot 60059 #1
EXP: 04/09/2023

THPFF4A STD Mix

Tramadol HCl Sigma Aldrich Lot BCBB9210
4-ANPP Cayman Chemical Co. Lot 0540831-30
Heroin Cayman Chemical Co. Lot 0559235-2
Acetyl Fentanyl Cayman Chemical Co. Lot# 0497037-47
Para-Fluorofentanyl Cayman Chemical Co. Lot 0541563-60
Fentanyl USPC Lot 1275-F
MeOH Lot 218157 Bottle #5
EXP: 10/20/2023

GC/MS STD Mix

Pethidine S.B. Penick Lot 413NMN-027
Cocaine Sigma Lot 5LCF4870
Hydrocodone Merck Lot V1526
MeOH Lot 214330
EXP: 05/02/2023

Testosterone

Sigma Lot 50H0345

5.24 mg/5 mL

MeOH Lot 214330 Bottle D

EXP: 4/12/2023

Testosterone Benzoate

Sigma Lot 49F0246

10.04 mg/3 mL

MeOH Lot 202169 Bottle #4

EXP: 2/10/24

3,4-MDMA

Cerilliant Lot FE06102011

1 mg/mL

MeOH (Cerilliant)

EXP: 7/31/2025

Lorazepam

Sigma Lot 035F0115

1 mg/mL

MeOH Lot 211782 Bottle #2

EXP: 3/3/24

Etizolam STD

Cerilliant Lot FN06202103

1 mg/mL

MeOH (Cerilliant)

EXP: 11/30/2026

Delta -8 & -9 THC

Cerilliant Lot FE12271903

Cerilliant Lot FE02072001

1 mg/mL

MeOH (Cerilliant)

EXP: 1/31/2025

Delta 9 THC Acetate

Cayman Chemical Co Lot 0629000-1

1 mg/mL

Acetonitrile (Cayman)

EXP; 10/5/2023

Oxycodone

Cerilliant Lot FE01082008

1 mg/mL

MeOH (Cerilliant)

EXP: 1/31/2025

4-Ethylcathinone

Cayman: 0433939-7

MEOH: 221068 bottle 1 of 4

0.5 mg/mL

EXP: 4/11/2024

4-Ethylcathinone

Cayman: 0433939-7

MeOH: 221068 bottle 1 of 4

1mg/mL

EXP:4/11/2024

Methamphetamine

Cerilliant Lot FE03132001

MeOH (Cerilliant)

7/31/2025

III. Methods/Procedures:

The following standards were run with corresponding methods on Yoda (Agilent/ASAP Analytical IRD3 GC-FTIR):

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

Performance Check of Methods

Autosample:

60TO270 – GC-IR Test Solution (Amphetamine, Phentermine, Methamphetamine)
120TO270 – GC-MS Mix (Pethidine, Cocaine, Hydrocodone)
120TO270(20MIN) – Lorazepam
200TO270 – Delta 9-THC Acetate
200TO270(20MIN) – Testosterone
ISO270(20MIN) – Etizolam
ISO270(30MIN) – Testosterone Benzoate

Splitless Autosample:

SL60TO270 – GC-IR Test Solution (Amphetamine, Phentermine, Methamphetamine)
SL120TO270 – GC-MS Mix (Pethidine, Cocaine, Hydrocodone)
SL120TO270(20MIN) – Lorazepam
SL200TO270 – Delta 9-THC Acetate
SL200TO270(20MIN) – Testosterone
SLISO270(20MIN) – Etizolam
SLISO270(30MIN) – Testosterone Benzoate

Manual:

MAN60TO270 – GC-IR Test Solution (Amphetamine, Phentermine, Methamphetamine)
MAN120TO270 – GC-MS Mix (Pethidine, Cocaine, Hydrocodone)
MAN120TO270(20MIN) – Lorazepam
MAN200TO270 – Delta 9-THC Acetate
MAN200TO270(20MIN) – Testosterone
MANISO270(20MIN) – Etizolam
MANISO270(30MIN) – Testosterone Benzoate

Validation of POLYDRUG Method

Autosample:

POLYDRUG – THPFF4A Mix
POLYDRUG – GC-MS Mix
POLYDRUG – Lorazepam
POLYDRUG – Oxycodone
POLYDRUG – Delta 9-THC Acetate
POLYDRUG – Methamphetamine
POLYDRUG – 3, 4 MDMA

POLYDRUG – Delta 8 & 9 THC
POLYDRUG – GC-IR Test Solution (Amphetamine, Phentermine, Methamphetamine)

Splitless Autosample:
SLPOLYDRUG – THPFF4A Mix
SLPOLYDRUG – GC-MS Mix
SLPOLYDRUG – Methamphetamine

Manual:
MANPOLYDRUG – THPFF4A Mix
MANPOLYDRUG – GC-MS Mix
MANPOLYDRUG – Methamphetamine

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 Yoda, standards were analyzed using a HP-1, 15 meter column, 0.32 ID, 1.0 um film thickness which is the same type of column on Hedwig and Aslan, but is 15 meters shorter in column length. Standards were analyzed in triplicate for previously validated autosample Agilent GC methods and a single performance check per manual injection method. These manual injection methods are derived from existing autosample methods. A limit of detection check will also be performed using a previously validated method to show consistency amongst instrumentation. The new POLYDRUG (POLYDRUG, SLPOLYDRUG, MANPOLYDRUG) methods were validated and performance checked using several standards to demonstrate efficacy across a variety of drug types. These methods are intended for separation of polydrug mixtures within a 10 minute sample run time in conjunction with the "IRD3 EXT" method and their respective vapor phase IR spectra was obtained. 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 and Validation of New Methods was performed by the following:

- A. Performance Check of Methods- A Agilent J&W HP-1, 15 meter column, 0.32 ID, 1.0 um film thickness was utilized which is the same type of column that had methods previously validated on Hedwig and Aslan, but is 15 meters shorter in column length. Cerilliant, Cayman, USP, Sigma, K & K Labs, chemical standards companies were used. The following standards were analyzed: Etizolam,

Methamphetamine, Oxycodone, Lorazepam, Testosterone, Testosterone Benzoate, 3,4 MDMA, Delta 8 & 9 THC, Delta 9 THC Acetate, THPPF4A mix, GC-IR Test solution, and the GC-MS Mix (Pethidine, Cocaine, and Hydrocodone). These standards were analyzed using various Agilent GC methods that have previously been validated along with additional POLYDRUG (POLYDRUG, MANPOLYDRUG, and SLPOLYDRUG) methods that are intended for separation of polydrug mixtures within a 10 minute sample run time. These POLYDRUG methods have an initial 120C temperature that holds for 0.3 min, ramps at 55C per min to 230C, and then continues to ramp at 10C per min to a final temperature of 270C and holds at 270C for the remainder of the 10 minute run time. The "POLYDRUG" method was run 10 times and the "SLPOLYDRUG" and "MANPOLYDRUG" methods were run 3 times with different standards including standard mixes containing more than one standard to evaluate separation and cover a range of different retention times within a 10 minute run time. Blanks were run before each standard under the same method parameters of the standard. The "IRD3 EXT" method was created with an IR range of 550-4000 cm⁻¹. Standards were run by a series of split and splitless autosample GC methods and manual 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 15 meters on Yoda, 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:

Yoda's validations demonstrated well-defined peaks and distinguishable spectra that can be differentiated and compared to known standards in our TBI GC-FTIR library. Due to the length of the column being 15 meters on Yoda, the GC-MS Mix will be run as the monthly standard check with each standard's wavenumbers evaluated and documented on the appropriate wavenumber evaluation worksheet. All standards within each autosample, splitless autosample, and manual GC methods in conjunction with "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. However, there are several considerations that need to be made when operating Yoda and utilizing its 15 meter column for case samples. The concentration/ratio of certain compounds within your sample may cause peak co-elution and/or masking of closely eluting compounds (An example would be compounds Para-fluorofentanyl and Fentanyl and Delta 8 & 9 THC). Dilutions can be performed to aid in peak separation, but you may not obtain the separation needed for confirmation and if one compound is in greater abundance while the other is weak, you may dilute the weaker compound beyond the limit of detection of the GC-FTIR (Ex. Large abundant peak of Para-fluorofentanyl and weak peak of Fentanyl). Furthermore, steroids beyond 10 minutes on the GC-MS by ASMSDRUGS100 method may extend beyond the ISO270(30MIN) method 30 minute

run time and were not evaluated on Yoda. These samples may need to be run by GC retention or LC-MS to be confirmed. See test sample runs prior to March 4th 2022.

Optical alignment values were monitored since the installation of the ASAP Analytical IRD3 Instrument Yoda, and any necessary alignment and instrument inlet maintenance was performed prior to analyzing standards. The chart below outlines results observed for a period of approximately a month and optical alignment value data since installation can be retrieved on the instrument by the Optics Alignment Excel spreadsheet.

Date	Optical Alignment Value
02/2/23	2.47
02/3/23	2.46
02/7/23	2.43
02/9/23	2.39
02/16/23	2.44
02/21/23	2.44
02/22/23	2.43
03/4/23	2.43
03/4/23	2.43
03/7/23	2.39
03/8/23	2.41

VI. Conclusions / Training:

After a Performance Check of Methods, including the validation of new POLYDRUG methods on Yoda, 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. Yoda is an ASAP IRD3 GC-FTIR of the same make and model as other instruments used throughout the Forensic Chemistry Units across the state. Therefore, no additional training or competency testing are necessary before using this instrument for casework.

Method Information

Method: C:\Users\Public\Documents\ChemStation\1\Methods\60TO270.M
Modified: 2/16/2023 at 10:50:58 AM

AUTOSAMPLE 60 TO 270C, HOLD FOR 2 MIN @60C, RAMP @70C PER MIN TO 270C.
10 MINUTE METHOD.

Method Audit Trail

Operator : SYSTEM
Date : 2/6/2020 4:11:07 PM
Change Info: This method was created at 2/6/2020 4:11:07 PM and based on
method
'C:\USERS\PUBLIC\DOCUMENTS\CHEMSTATION\1\METHODS\SLISO270
(30MIN).M'

Operator : SYSTEM
Date : 2/6/2020 4:11:08 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/6/2020 4:13:06 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/19/2020 10:04:51 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/21/2020 9:02:13 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/21/2020 9:03:47 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 10/6/2020 3:50:58 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 12/29/2022 9:36:18 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 12/29/2022 10:18:00 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 12/29/2022 10:35:38 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 12/29/2022 10:36:45 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/16/2023 10:41:45 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/16/2023 10:50:58 AM
Change Info: Method saved. User comment: ""

Run Time Checklist

Pre-Run Cmd/Macro: off
Data Acquisition: on
Standard Data Analysis: on
Modify Custom Fields: off
Customized Data Analysis: off
Save GLP Data: off
Post-Run Cmd/Macro: off
Save Method with Data: off

Injection Source and Location

Injection Source: GC Injector
Injection Location: Front

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Agilent 8890

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Module Type: GC
Module Name: Agilent 8890
GC

GC Summary

Run Time	10 min
Post Run Time	0 min

Oven

Temperature	
Setpoint	On

(Initial)	60 °C
Hold Time	2 min
Post Run	120 °C
Program	
#1 Rate	70 °C/min
#1 Value	270 °C
#1 Hold Time	5 min
Equilibration Time	1 min
Max Temperature	325 °C
Maximum Temperature Override	Disabled
Slow Fan	Disabled
ALS	
Front Injector	
Syringe Size	10 µL
Injection Volume	1 µL
Solvent A Washes (PreInj)	3
Solvent A Washes (PostInj)	0
Solvent A Volume	8 µL
Solvent B Washes (PreInj)	3
Solvent B Washes (PostInj)	0
Solvent B Volume	8 µL
Sample Washes	1
Sample Wash Volume	8 µL
Sample Pumps	3
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	3000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	3000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Solvent Wash Mode	A, B
Sample Overlap	
Mode	Sample overlap is not enabled
Front SS Inlet He	
Mode	Split
Heater	On 250 °C
Pressure	On 7.9927 psi
Total Flow	On 12 mL/min
Septum Purge Flow	On 3 mL/min
Pre-Run Flow Test	Off
Gas Saver	On 15 mL/min after 2 min
Split Ratio	2 :1
Split Flow	6 mL/min
Liner	A Liner has not been selected.
Column	

Column #1	
Flow	
Setpoint	On
(Initial)	3 mL/min
Post Run	2 mL/min
Temperature Range	-60 °C–325 °C (325 °C)
Dimensions	15 m x 320 µm x 1 µm
(Uncalibrated)	
Column lock	Unlocked
In	Front SS Inlet He
Out	Other
(Initial)	60 °C
Pressure	7.9927 psi
Flow	3 mL/min
Average Velocity	54.475 cm/sec
Holdup Time	0.45892 min
Control Mode	Constant Flow
Column Outlet Pressure	0 psi
Detector Evaluation	
Perform Detector Evaluation Test	Off
Signal Selected	No Signal Selected
Checkout Sample	None
Signals	
Signal #1: Test Plot	
Description	Test Plot
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #2:	
Description	None
Signal #3:	
Description	None
Signal #4:	
Description	None
Signal #5:	
Description	None
Signal #6:	
Description	None
Signal #7:	
Description	None
Signal #8:	
Description	None

The Data Analysis Parameters of the used Method are :

Integration Events

Non signal specific Integration Events

Event	Value
Tangent Skim Mode	New Exponential
Tail Peak Skim Height Ratio	5.000
Front Peak Skim Height Ratio	5.000
Skim Valley Ratio	20.000
Baseline Correction	Advanced
Peak to Valley Ratio	500.000

Default Integration Event Table "Event"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_FID"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_NPD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_FPD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_uECD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_GC"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Apply Method's Manual Integration Events: No

Specify Report

Calculate: Area Percent
Do not use Multiplier & Dilution Factor with ISTDs

Use Sample Data from Data File
Report mode: Classic
Destination: File (Prefix: Report)
Destination File Types: No destination file types selected
Quantitative Results sorted by: Signal
Report Style: (None)

Sample info on each page: No
Add Chromatogram Output: No
Uncalibrated Peaks: Do Not Report

Signal Options

Include: Axes, Retention Times, Baselines, Tick Marks
Font: Arial, Size: 8

Ranges: Full
Multi Chromatograms: Separated, Each in full Scale

Calibration Table

General Calibration Setting

Calib. Data Modified :
Signals calculated separately : No

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
 Calibration Table after Recalibration
 Normal Report after Recalibration
If the sequence is done with bracketing:
 Results of first cycle (ending previous bracket)

Signal Details

Signal 1:

Overview Table			

No Entries in table			

Identification Details Table			

No Entries in table			

Peak Sum Table			

No Entries in table			

Component Details Table			

No Entries in table			

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Sample related custom fields

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Custom Field	Type	Mand.	Default Value

None defined			

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Compound related custom fields

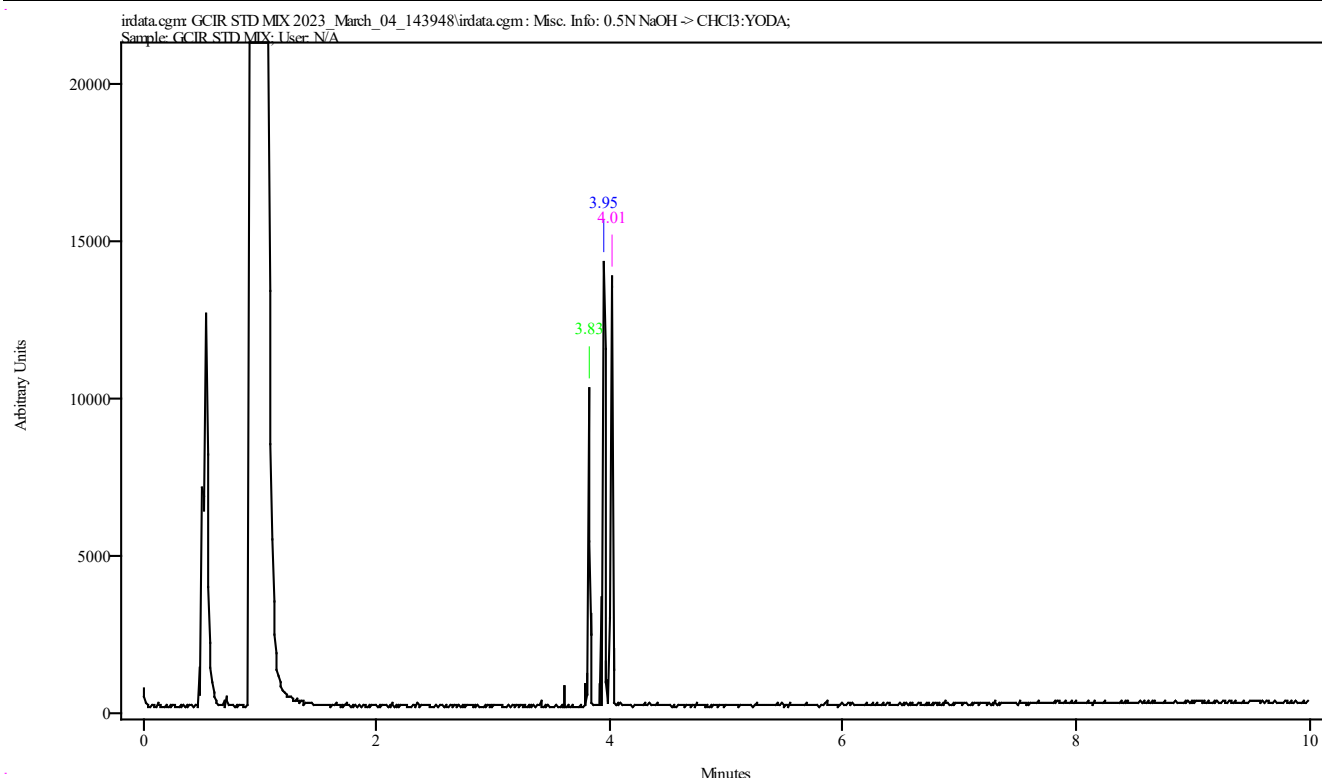
=====

Custom Field	Type	Mand.	Default Value

None defined			

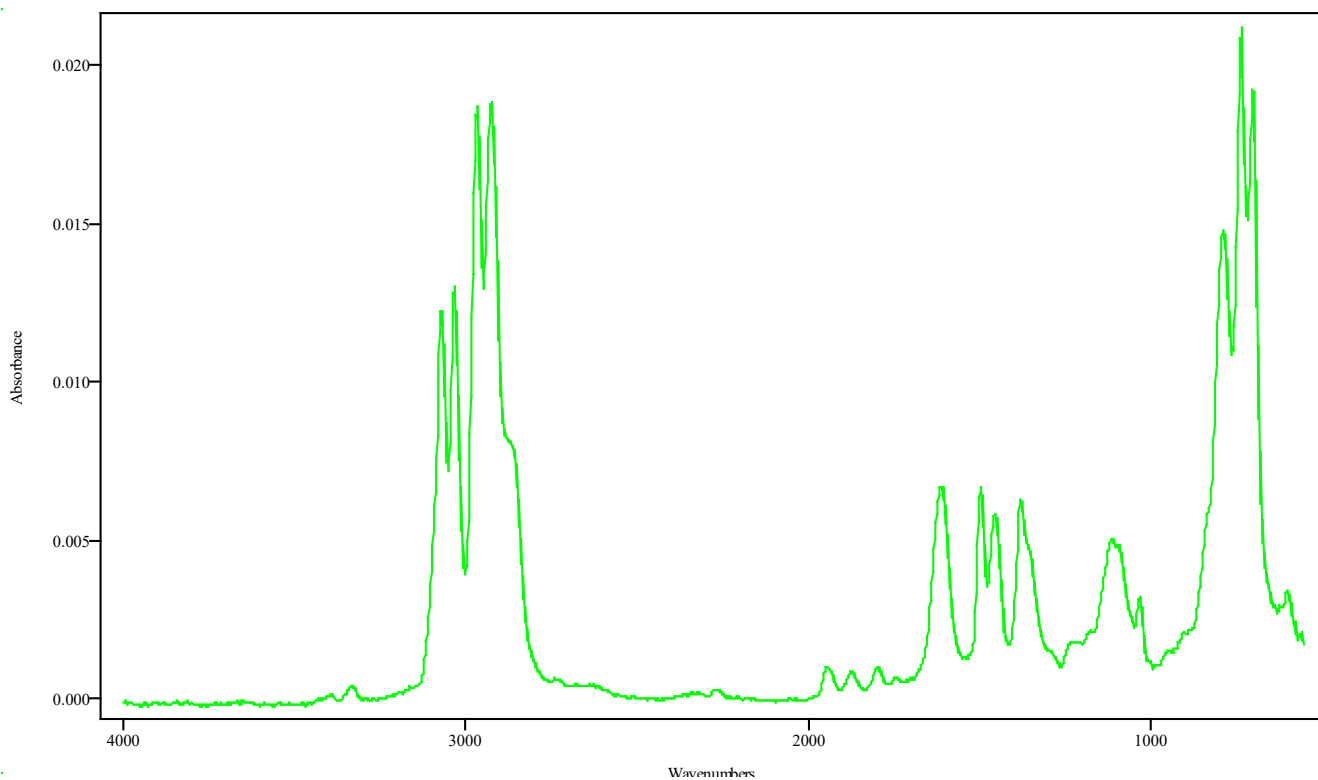
IRD Data Analysis Report

Data Filename	GCIR STD MIX 2023_March_04_143948
Data Path	C:/ASAP DATA/YODA 2023/Validation/Split methods-3-4-23-1
IRD Method	IRD3 EXT
GC Method	60TO270.M
GC Vial	4
Sample Name	GCIR STD MIX
Misc. Info	0.5N NaOH -> CHCl3:YODA
User ID	N/A
Injection Time	Sat Mar 04 14:54:49 2023
Date Processed	Wed Mar 22 11:44:58 2023



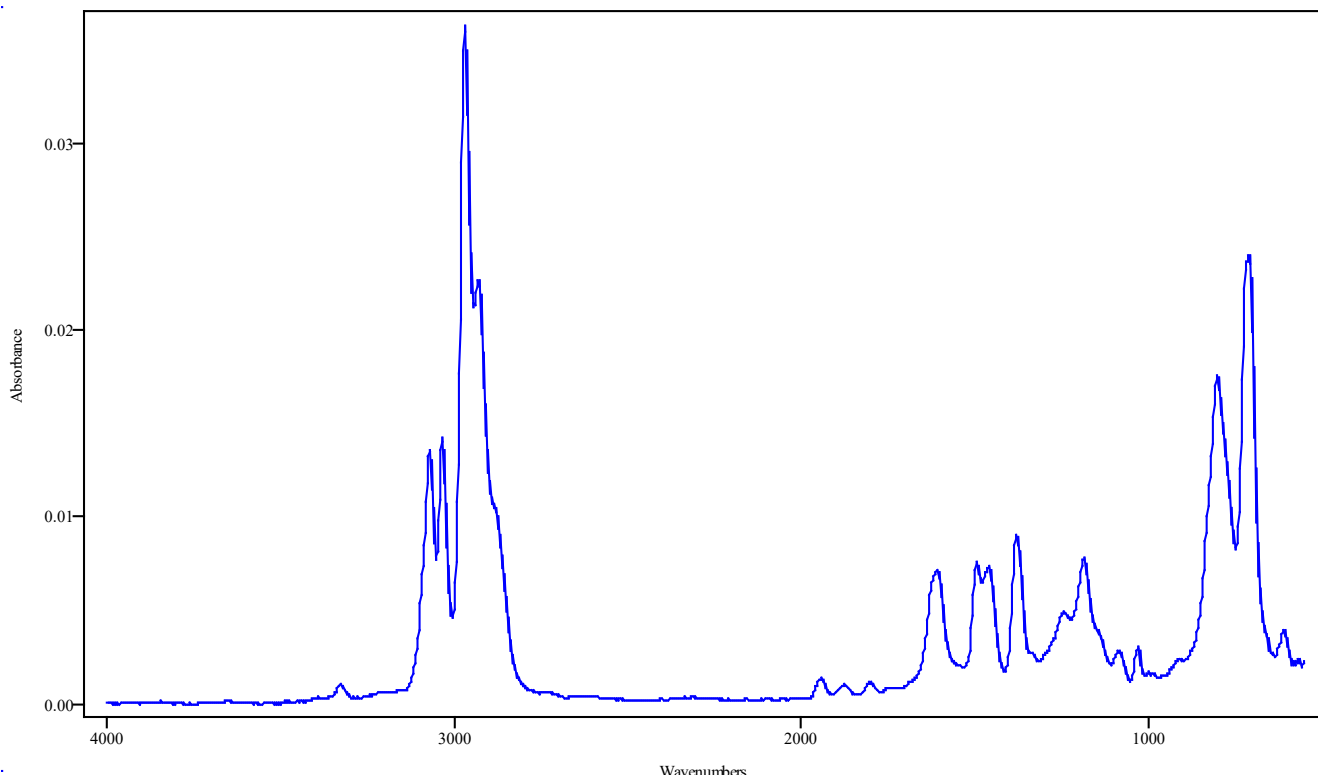
Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.805	3.838	0.033	3.608	3.783
3.914	3.969	0.055	3.608	3.783
3.980	4.035	0.055	3.608	3.783

Data Filename	GCIR STD MIX 2023_March_04_143948
Data Path	C:/ASAP DATA/YODA 2023/Validation/Split methods-3-4-23-1
IRD Method	IRD3 EXT
GC Method	60TO270.M
GC Vial	4
Sample Name	GCIR STD MIX
Misc. Info	0.5N NaOH -> CHCl3:YODA
User ID	N/A
Injection Time	Sat Mar 04 14:54:49 2023
Date Processed	Wed Mar 22 11:44:58 2023



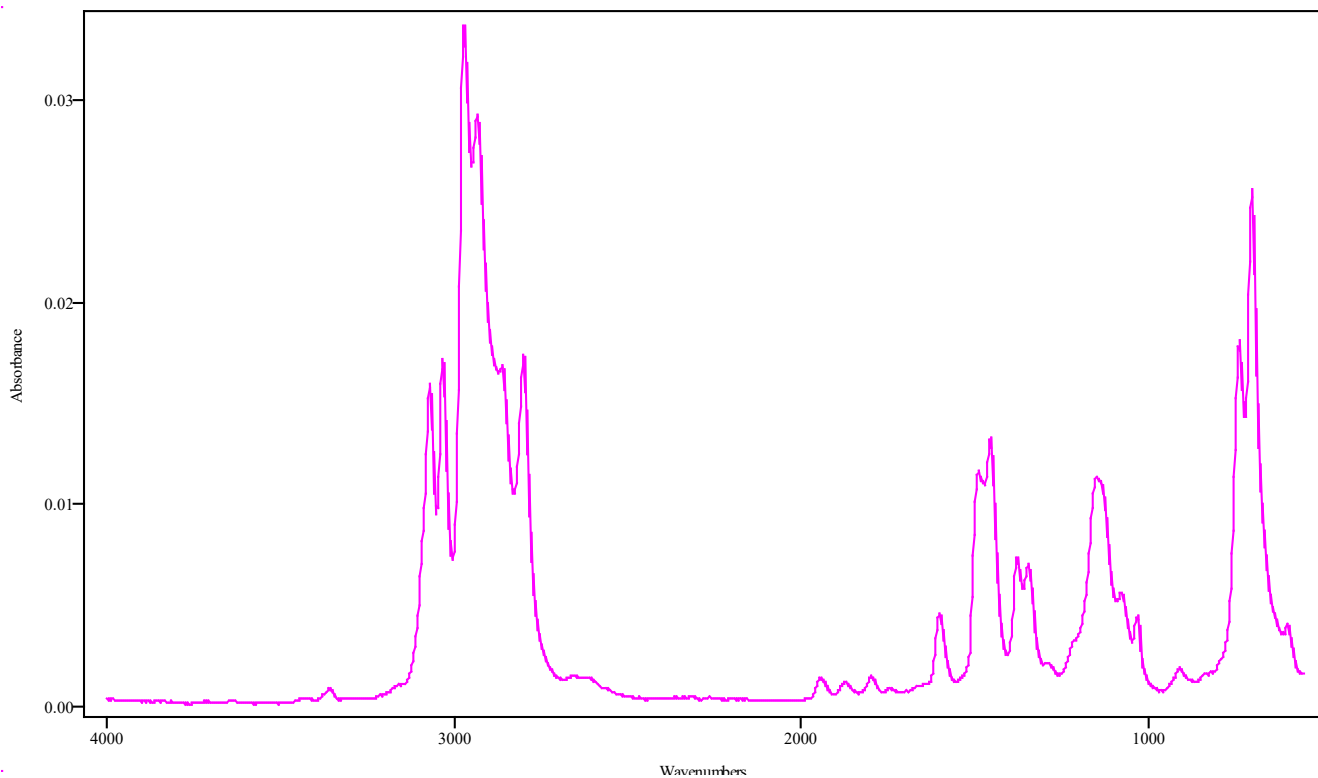
IRDATA.SPC: 3.83 minutes: AVE (3.81: 3.84) Ref. (3.61: 3.78) of GCIR STD MIX
2023_March_04_143948.cgm Amphetamine

Data Filename	GCIR STD MIX 2023_March_04_143948
Data Path	C:/ASAP DATA/YODA 2023/Validation/Split methods-3-4-23-1
IRD Method	IRD3 EXT
GC Method	60TO270.M
GC Vial	4
Sample Name	GCIR STD MIX
Misc. Info	0.5N NaOH -> CHCl3:YODA
User ID	N/A
Injection Time	Sat Mar 04 14:54:49 2023
Date Processed	Wed Mar 22 11:44:58 2023



IRDATA.SPC: 3.95 minutes: AVE (3.91: 3.97) Ref. (3.61: 3.78) of GCIR STD MIX
2023_March_04_143948.cgm Phentermine

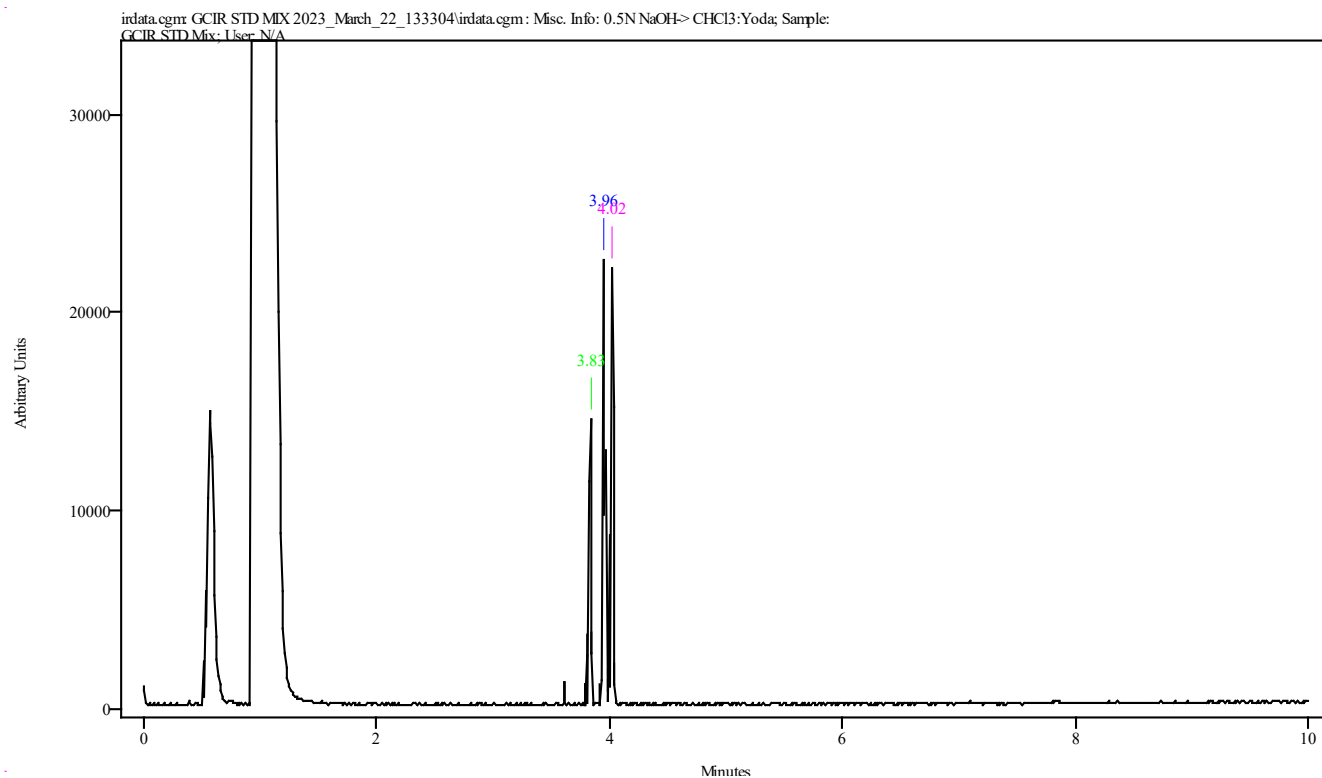
Data Filename	GCIR STD MIX 2023_March_04_143948
Data Path	C:/ASAP DATA/YODA 2023/Validation/Split methods-3-4-23-1
IRD Method	IRD3 EXT
GC Method	60TO270.M
GC Vial	4
Sample Name	GCIR STD MIX
Misc. Info	0.5N NaOH -> CHCl3:YODA
User ID	N/A
Injection Time	Sat Mar 04 14:54:49 2023
Date Processed	Wed Mar 22 11:44:58 2023



IRDATA.SPC: 4.01 minutes: AVE (3.98: 4.03) Ref. (3.61: 3.78) of GCIR STD MIX
2023_March_04_143948.cgm Methamphetamine

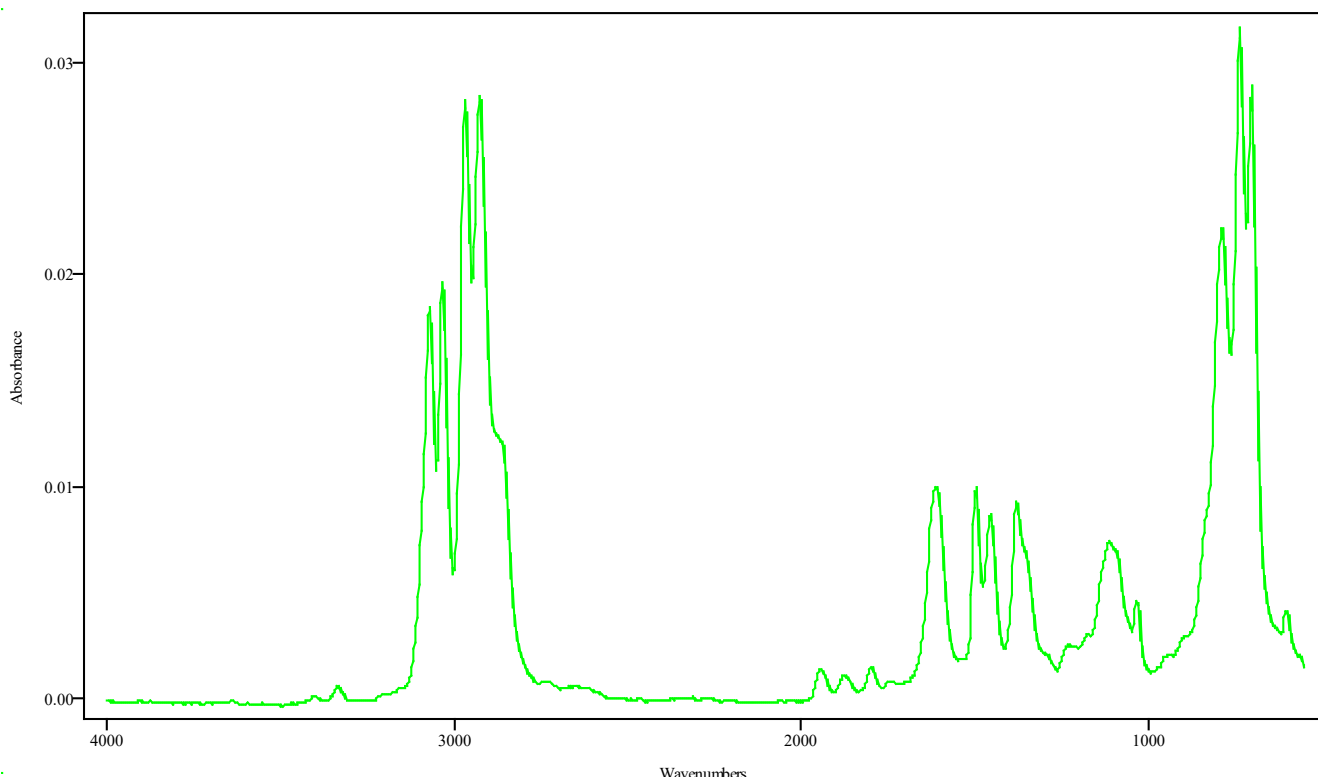
IRD Data Analysis Report

Data Filename	GCIR STD MIX 2023_March_22_133304
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-22-23-STDS
IRD Method	IRD3 EXT
GC Method	60TO270.M
GC Vial	4
Sample Name	GCIR STD Mix
Misc. Info	0.5N NaOH-> CHCl3:Yoda
User ID	N/A
Injection Time	Wed Mar 22 13:48:07 2023
Date Processed	Wed Mar 22 14:07:36 2023



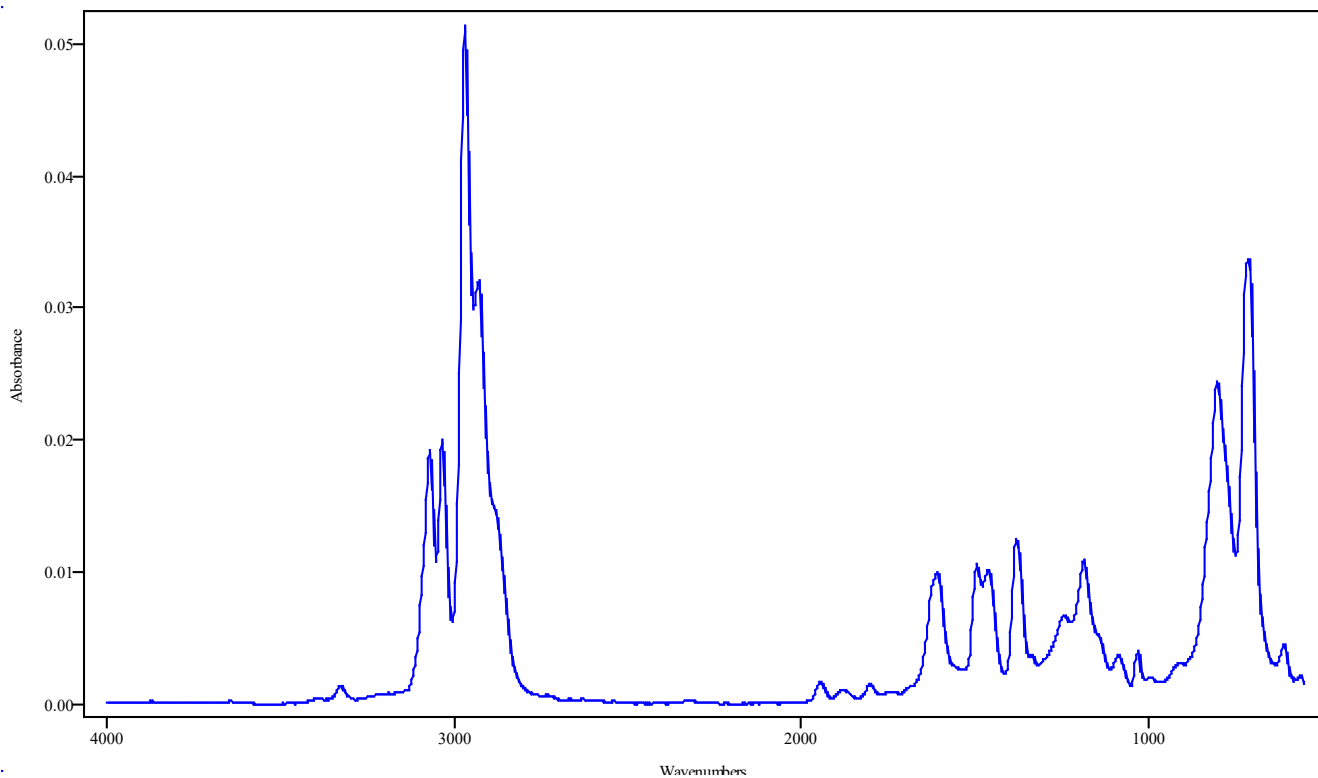
Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.813	3.846	0.033	3.616	3.791
3.911	3.977	0.066	3.616	3.791
3.988	4.043	0.055	3.616	3.791

Data Filename	GCIR STD MIX 2023_March_22_133304
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-22-23-STDS
IRD Method	IRD3 EXT
GC Method	60TO270.M
GC Vial	4
Sample Name	GCIR STD Mix
Misc. Info	0.5N NaOH-> CHCl3:Yoda
User ID	N/A
Injection Time	Wed Mar 22 13:48:07 2023
Date Processed	Wed Mar 22 14:07:36 2023



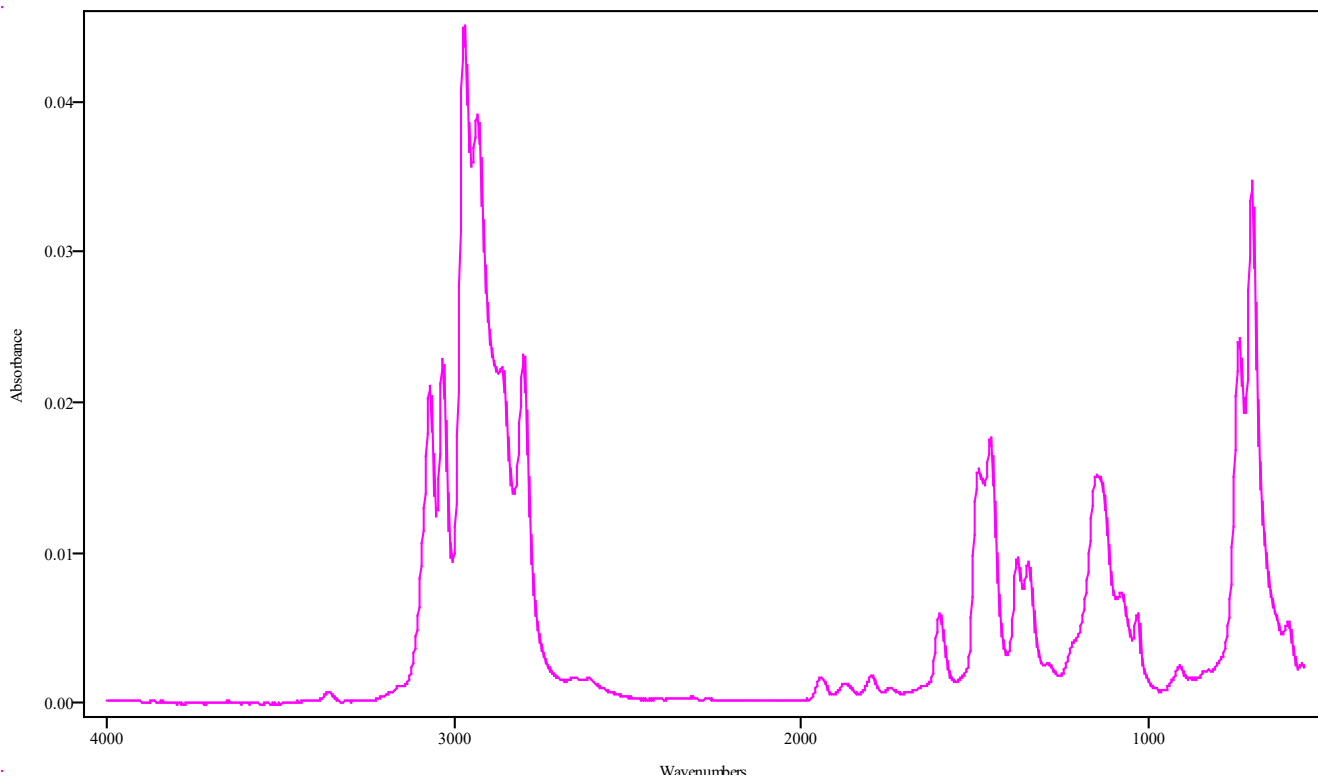
IRDATA.SPC: 3.83 minutes: AVE (3.81: 3.85) Ref. (3.62: 3.79) of GCIR STD MIX
2023_March_22_133304.cgm Amphetamine

Data Filename	GCIR STD MIX 2023_March_22_133304
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-22-23-STDS
IRD Method	IRD3 EXT
GC Method	60TO270.M
GC Vial	4
Sample Name	GCIR STD Mix
Misc. Info	0.5N NaOH-> CHCl3:Yoda
User ID	N/A
Injection Time	Wed Mar 22 13:48:07 2023
Date Processed	Wed Mar 22 14:07:36 2023



IRDATA.SPC: 3.96 minutes: AVE (3.91: 3.98) Ref. (3.62: 3.79) of GCIR STD MIX
2023_March_22_133304.cgm Phentermine

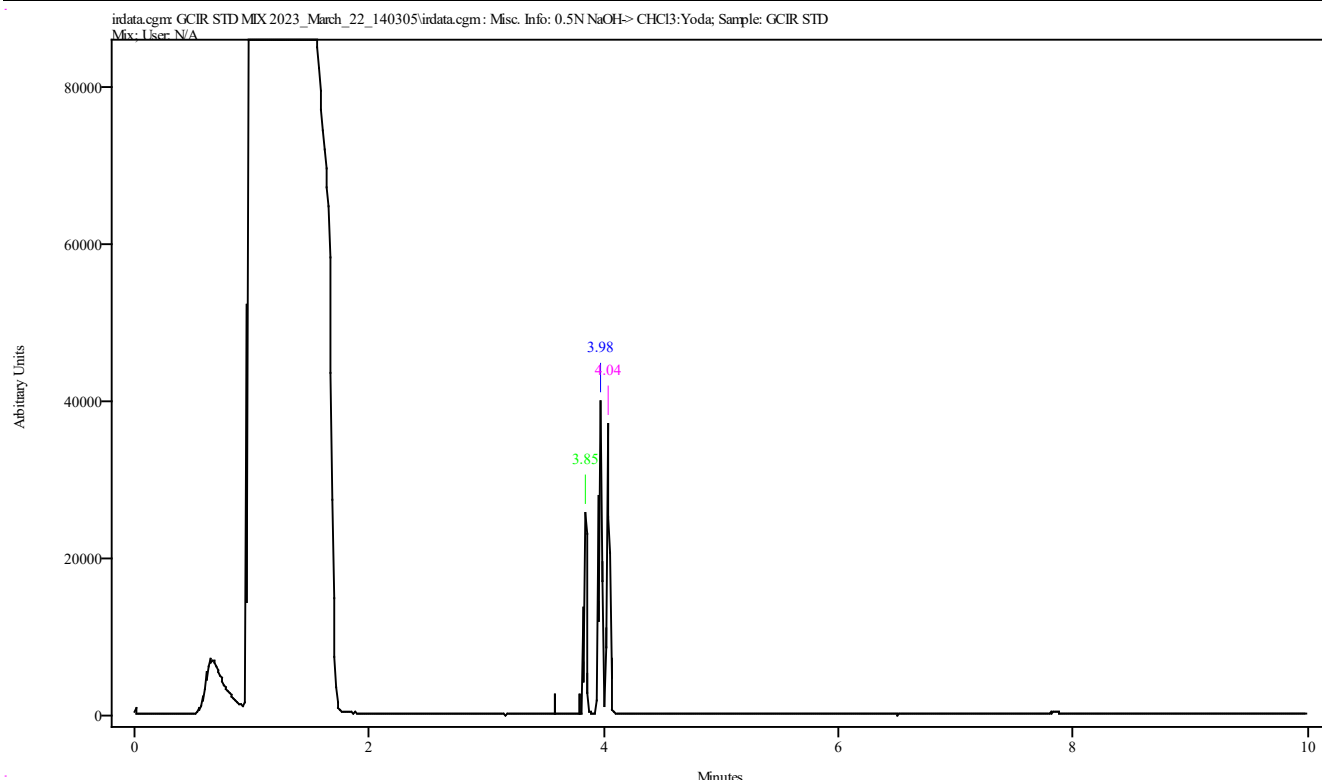
Data Filename	GCIR STD MIX 2023_March_22_133304
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-22-23-STDS
IRD Method	IRD3 EXT
GC Method	60TO270.M
GC Vial	4
Sample Name	GCIR STD Mix
Misc. Info	0.5N NaOH-> CHCl3:Yoda
User ID	N/A
Injection Time	Wed Mar 22 13:48:07 2023
Date Processed	Wed Mar 22 14:07:36 2023



IRDATA.SPC: 4.02 minutes: AVE (3.99: 4.04) Ref. (3.62: 3.79) of GCIR STD MIX
2023_March_22_133304.cgm Methamphetamine

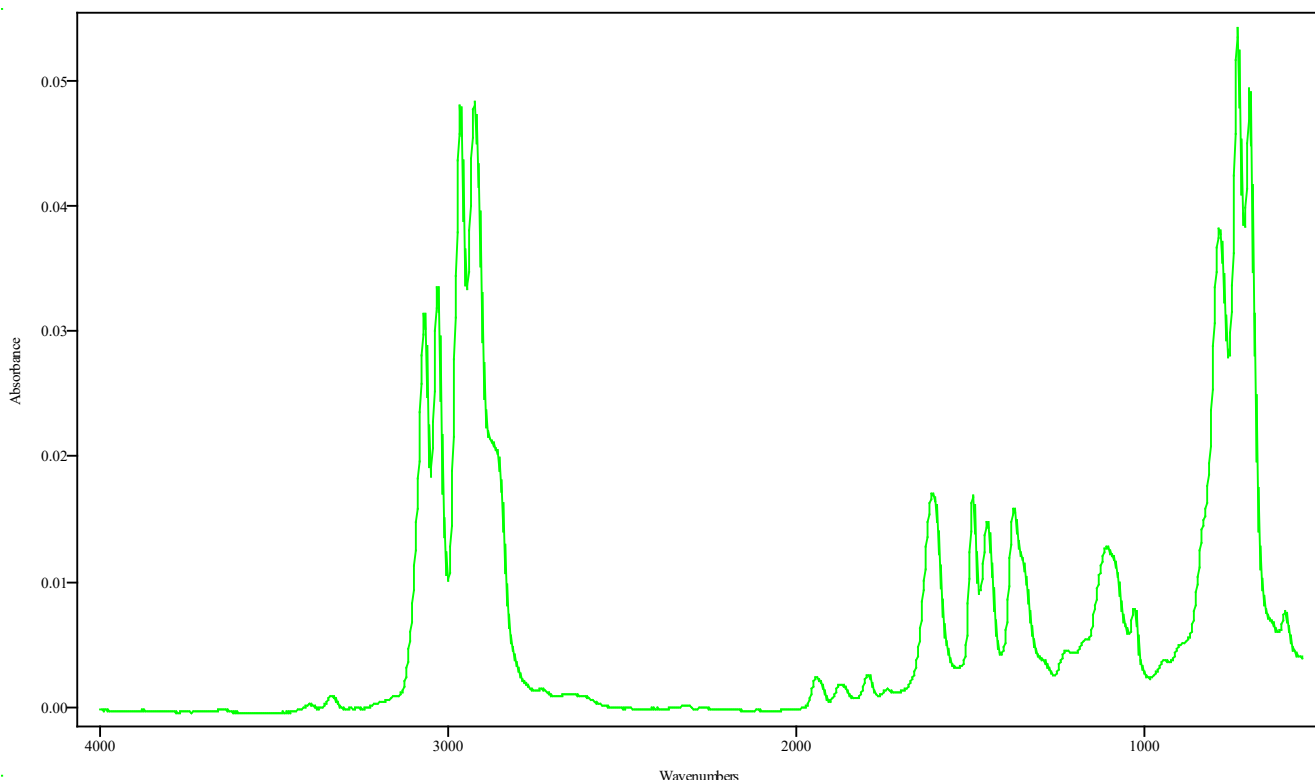
IRD Data Analysis Report

Data Filename	GCIR STD MIX 2023_March_22_140305
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-22-23-STDS
IRD Method	IRD3 EXT
GC Method	SL60TO270.M
GC Vial	4
Sample Name	GCIR STD Mix
Misc. Info	0.5N NaOH-> CHCl3:Yoda
User ID	N/A
Injection Time	Wed Mar 22 14:18:02 2023
Date Processed	Fri Apr 14 14:38:10 2023



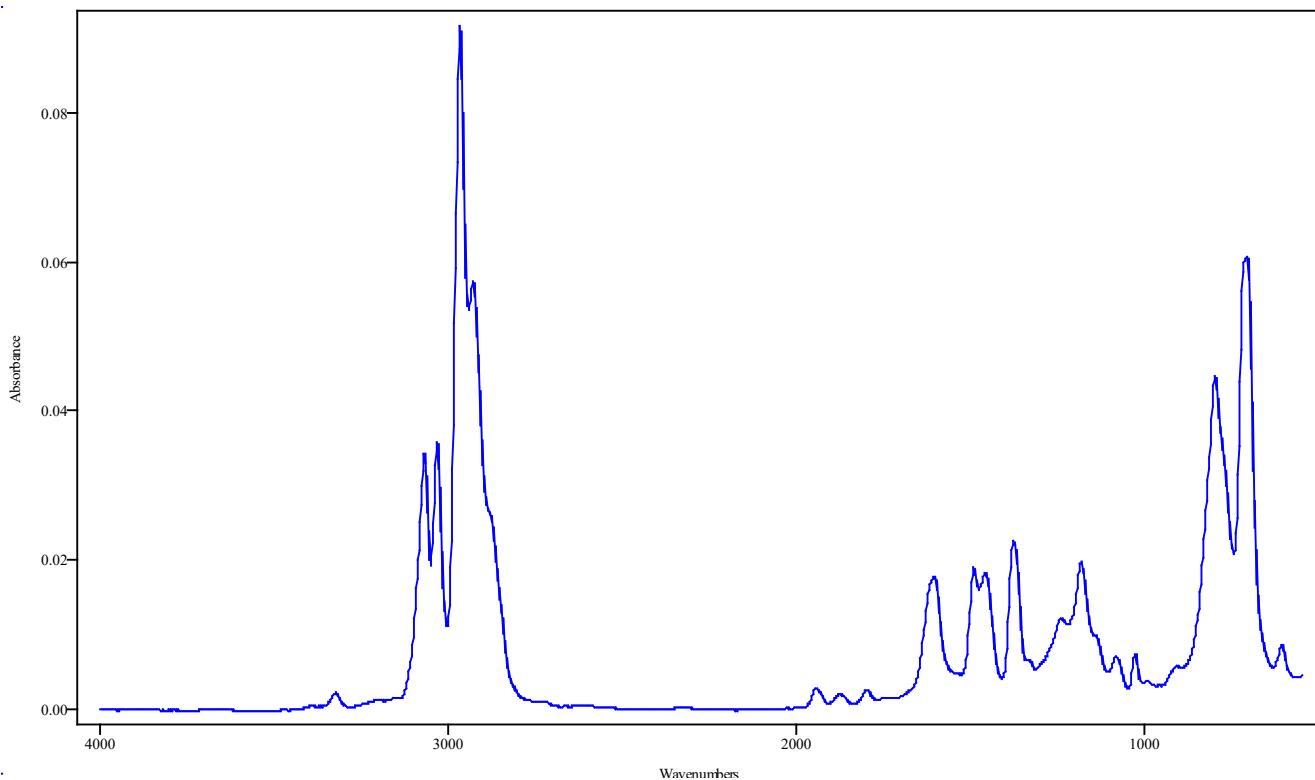
Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.823	3.867	0.044	3.582	3.801
3.955	3.987	0.033	3.582	3.801
4.020	4.064	0.044	3.582	3.801

Data Filename	GCIR STD MIX 2023_March_22_140305
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-22-23-STDS
IRD Method	IRD3 EXT
GC Method	SL60TO270.M
GC Vial	4
Sample Name	GCIR STD Mix
Misc. Info	0.5N NaOH-> CHCl3:Yoda
User ID	N/A
Injection Time	Wed Mar 22 14:18:02 2023
Date Processed	Fri Apr 14 14:38:10 2023



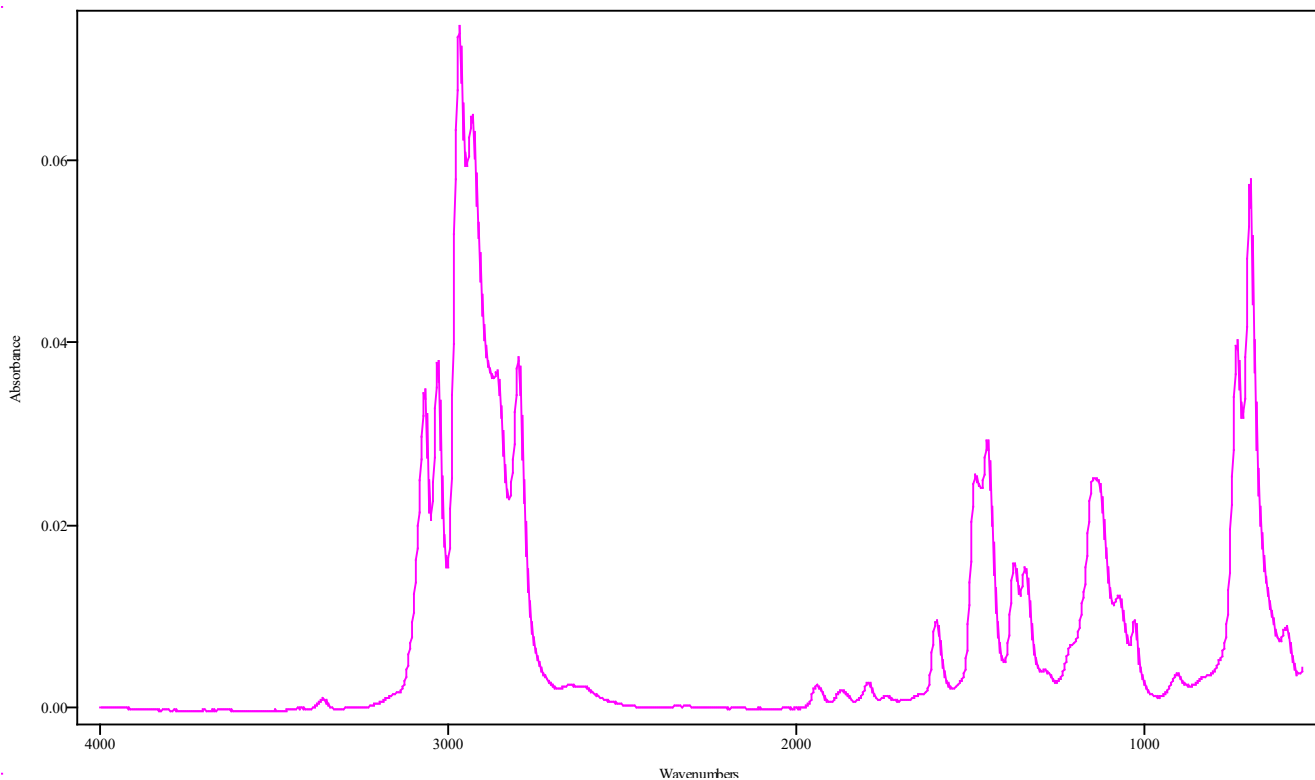
IRDATA.SPC: 3.85 minutes: AVE (3.82: 3.87) Ref. (3.58: 3.80) of GCIR STD MIX
2023_March_22_140305.cgm Amphetamine

Data Filename	GCIR STD MIX 2023_March_22_140305
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-22-23-STDS
IRD Method	IRD3 EXT
GC Method	SL60TO270.M
GC Vial	4
Sample Name	GCIR STD Mix
Misc. Info	0.5N NaOH-> CHCl3:Yoda
User ID	N/A
Injection Time	Wed Mar 22 14:18:02 2023
Date Processed	Fri Apr 14 14:38:10 2023



IRDATA.SPC: 3.98 minutes: AVE (3.95: 3.99) Ref. (3.58: 3.80) of GCIR STD MIX
2023_March_22_140305.cgm Phentermine

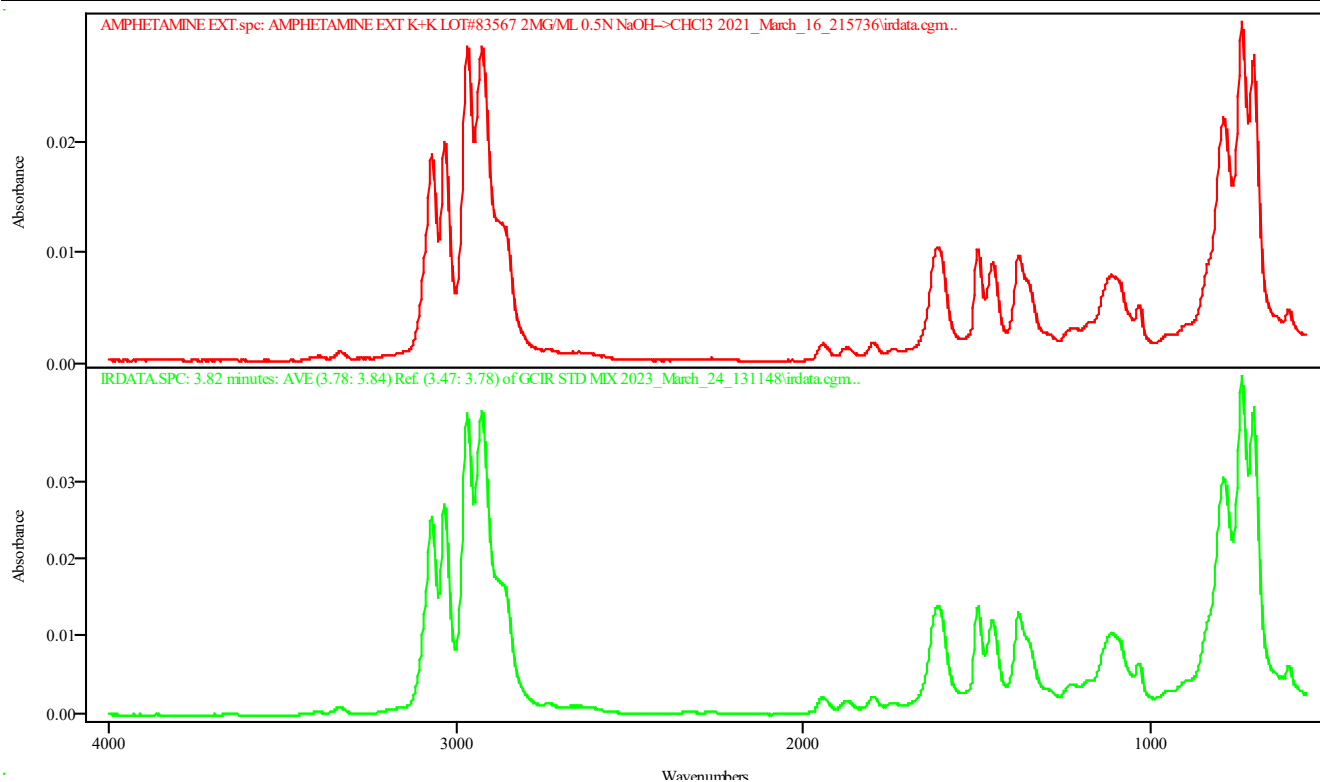
Data Filename	GCIR STD MIX 2023_March_22_140305
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-22-23-STDS
IRD Method	IRD3 EXT
GC Method	SL60TO270.M
GC Vial	4
Sample Name	GCIR STD Mix
Misc. Info	0.5N NaOH-> CHCl3:Yoda
User ID	N/A
Injection Time	Wed Mar 22 14:18:02 2023
Date Processed	Fri Apr 14 14:38:10 2023



IRDATA.SPC: 4.04 minutes: AVE (4.02: 4.06) Ref. (3.58: 3.80) of GCIR STD MIX
2023_March_22_140305.cgm Methamphetamine

IRD Data Analysis Report

Data Filename	GCIR STD MIX 2023_March_24_131148
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-24-23-STDs
IRD Method	IRD3 EXT
GC Method	60TO270.M
GC Vial	4
Sample Name	GCIR STD Mix
Misc. Info	0.5N NaOH-> CHCl3:YODA
User ID	N/A
Injection Time	Fri Mar 24 13:26:48 2023
Date Processed	Mon Apr 03 10:02:04 2023

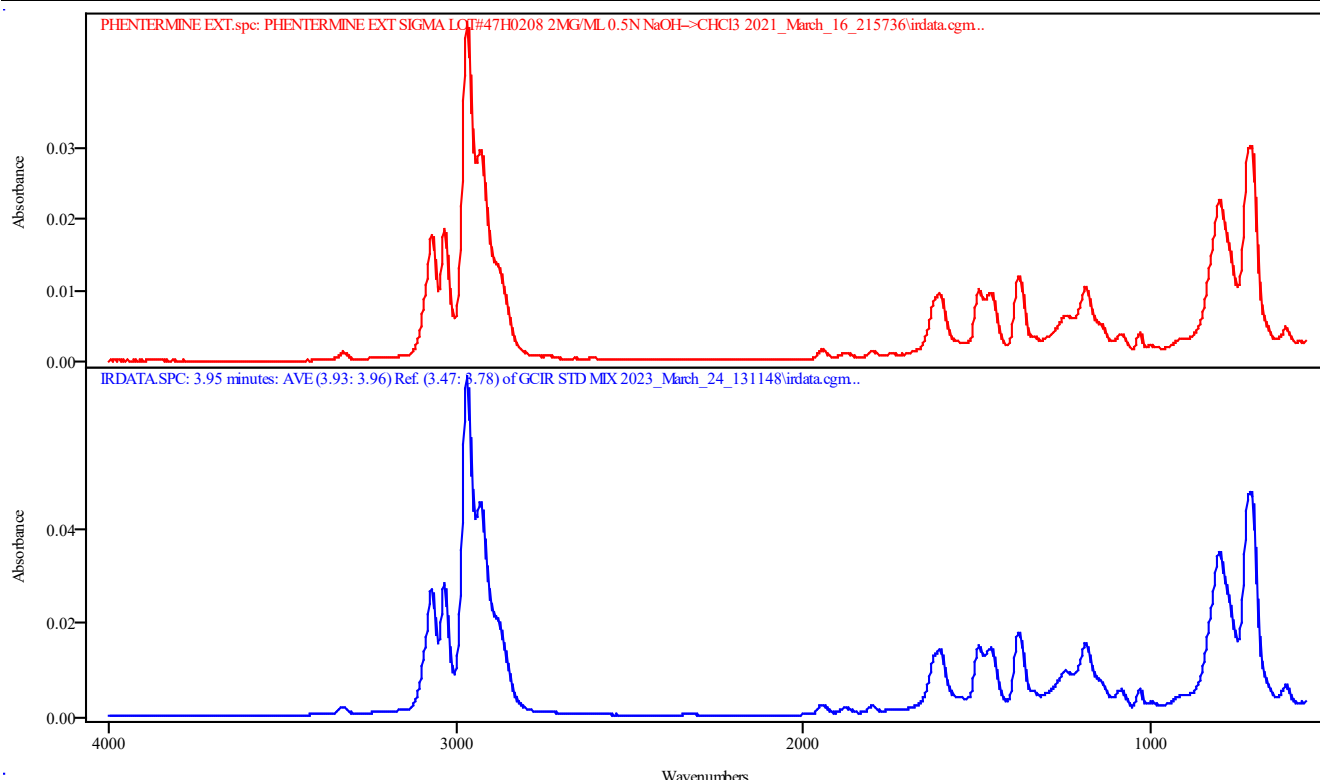


IRDATA.SPC: 3.82 minutes: AVE (3.78: 3.84) Ref. (3.47: 3.78) of GCIR STD MIX
2023_March_24_131148.cgm

AMPHETAMINE EXT.spc: AMPHETAMINE EXT K+K LOT#83567 2MG/ML 0.5N NaOH-->CHCl3
2021_March_16_215736\irdata.cgm

IRD Data Analysis Report

Data Filename	GCIR STD MIX 2023_March_24_131148
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-24-23-STDs
IRD Method	IRD3 EXT
GC Method	60TO270.M
GC Vial	4
Sample Name	GCIR STD Mix
Misc. Info	0.5N NaOH-> CHCl3:YODA
User ID	N/A
Injection Time	Fri Mar 24 13:26:48 2023
Date Processed	Mon Apr 03 10:03:26 2023

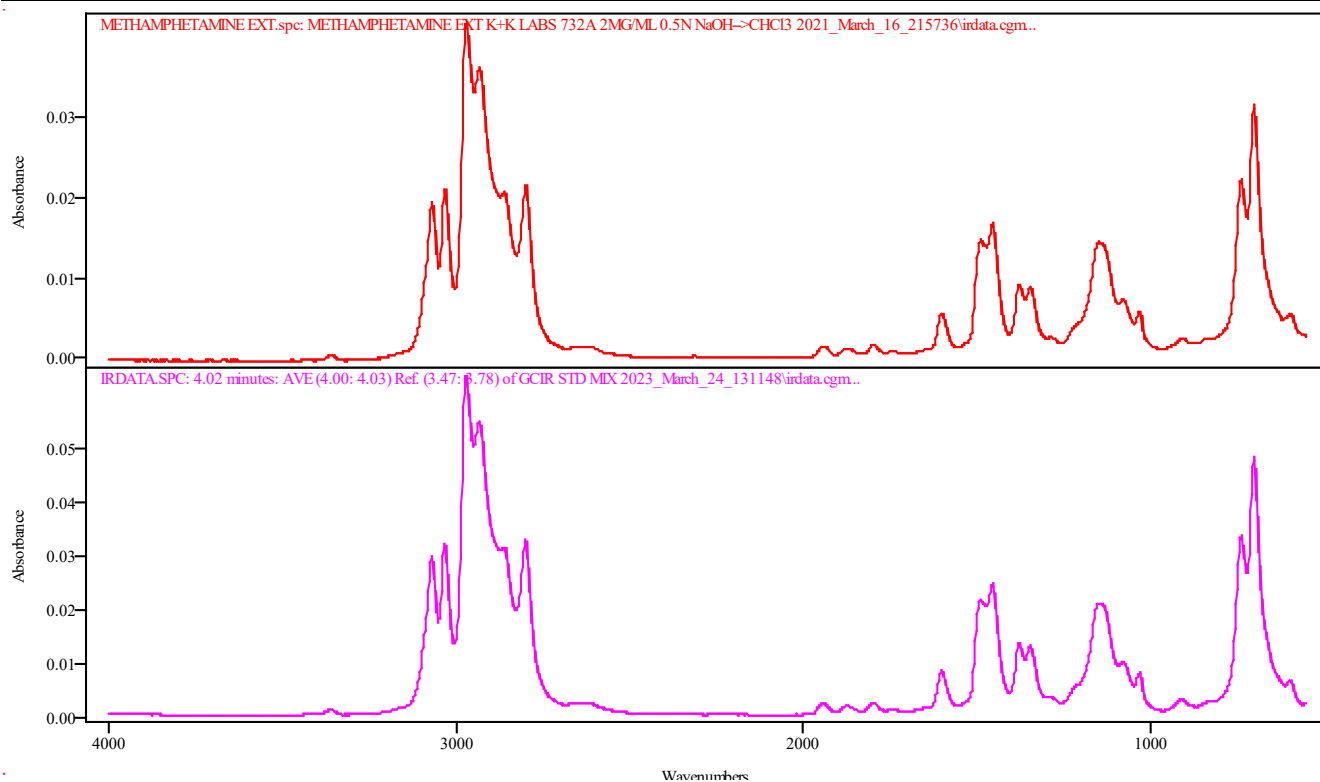


IRDATA.SPC: 3.95 minutes: AVE (3.93: 3.96) Ref. (3.47: 3.78) of GCIR STD MIX
2023_March_24_131148.cgm

PHENTERMINE EXT.spc: PHENTERMINE EXT SIGMA LOT#47H0208 2MG/ML 0.5N
NaOH->CHCl3 2021_March_16_215736\irdata.cgm

IRD Data Analysis Report

Data Filename	GCIR STD MIX 2023_March_24_131148
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-24-23-STDs
IRD Method	IRD3 EXT
GC Method	60TO270.M
GC Vial	4
Sample Name	GCIR STD Mix
Misc. Info	0.5N NaOH-> CHCl3:YODA
User ID	N/A
Injection Time	Fri Mar 24 13:26:48 2023
Date Processed	Mon Apr 03 10:04:08 2023



IRDATA.SPC: 4.02 minutes: AVE (4.00: 4.03) Ref. (3.47: 3.78) of GCIR STD MIX
2023_March_24_131148.cgm

METHAMPHETAMINE EXT.spc: METHAMPHETAMINE EXT K+K LABS 732A 2MG/ML 0.5N
NaOH-->CHCl3 2021_March_16_215736\irdata.cgm

Method Information

Method: C:\Users\P...Documents\ChemStation\1\Methods\120TO270
(20MIN).M
Modified: 2/16/2023 at 10:47:23 AM

AUTOSAMPLE 120C TO 270C, HOLD FOR 1 MIN @120C, RAMP @70C PER MIN TO
270C. 20 MINUTE METHOD.

Method Audit Trail

Operator : SYSTEM
Date : 2/16/2023 10:29:34 AM
Change Info: This method was created at 2/16/2023 10:29:34 AM and based on
method
'C:\Users\Public\Documents\ChemStation\1\Methods\120TO270.M'

Operator : SYSTEM
Date : 2/16/2023 10:29:35 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/16/2023 10:35:46 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/16/2023 10:47:23 AM
Change Info: Method saved. User comment: ""

Run Time Checklist

Pre-Run Cmd/Macro: off
Data Acquisition: on
Standard Data Analysis: on
Modify Custom Fields: off
Customized Data Analysis: off
Save GLP Data: off
Post-Run Cmd/Macro: off
Save Method with Data: off

Injection Source and Location

Injection Source: GC Injector

Injection Location: Front

Agilent 8890

Module Type: GC

Module Name: Agilent 8890

GC

GC Summary

Run Time 20 min

Post Run Time 0 min

Oven

Temperature

Setpoint On

(Initial) 120 °C

Hold Time 1 min

Post Run 120 °C

Program

#1 Rate 70 °C/min

#1 Value 270 °C

#1 Hold Time 16.858 min

Equilibration Time 1 min

Max Temperature 325 °C

Maximum Temperature Override Disabled

Slow Fan Disabled

ALS

Front Injector

Syringe Size 10 µL

Injection Volume 1 µL

Solvent A Washes (PreInj) 3

Solvent A Washes (PostInj) 0

Solvent A Volume 8 µL

Solvent B Washes (PreInj) 3

Solvent B Washes (PostInj) 0

Solvent B Volume 8 µL

Sample Washes 1

Sample Wash Volume 8 µL

Sample Pumps 3

Dwell Time (PreInj) 0 min

Dwell Time (PostInj) 0 min

Solvent Wash Draw Speed 300 µL/min

Solvent Wash Dispense Speed 3000 µL/min

Sample Wash Draw Speed 300 µL/min

Sample Wash Dispense Speed 3000 µL/min

Injection Dispense Speed 6000 µL/min

Viscosity Delay 0 sec

Sample Depth Disabled

Injection Type Standard

L1 Airgap	0.2 µL
Solvent Wash Mode	A, B
Sample Overlap Mode	Sample overlap is not enabled
Front SS Inlet He Mode	Split
Heater	On 250 °C
Pressure	On 10.015 psi
Total Flow	On 12 mL/min
Septum Purge Flow	On 3 mL/min
Pre-Run Flow Test	Off
Gas Saver	On 15 mL/min after 2 min
Split Ratio	2 :1
Split Flow	6 mL/min
Liner	A Liner has not been selected.
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	3 mL/min
Post Run	2 mL/min
Temperature Range	-60 °C-325 °C (325 °C)
Dimensions	15 m x 320 µm x 1 µm
(Uncalibrated)	
Column lock	Unlocked
In	Front SS Inlet He
Out	Other
(Initial)	120 °C
Pressure	10.015 psi
Flow	3 mL/min
Average Velocity	60.612 cm/sec
Holdup Time	0.41246 min
Control Mode	Constant Flow
Column Outlet Pressure	0 psi
Detector Evaluation	
Perform Detector Evaluation Test	Off
Signal Selected	No Signal Selected
Checkout Sample	None
Signals	
Signal #1: Test Plot	
Description	Test Plot
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #2:	
Description	None
Signal #3:	

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

The Data Analysis Parameters of the used Method are :

```
=====
                        Integration Events
=====
```

```
-----
                        Non signal specific Integration Events
-----
```

Event	Value
Tangent Skim Mode	New Exponential
Tail Peak Skim Height Ratio	5.000
Front Peak Skim Height Ratio	5.000
Skim Valley Ratio	20.000
Baseline Correction	Advanced
Peak to Valley Ratio	500.000

```
-----
                        Default Integration Event Table "Event"
-----
```

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial

Initial Height Reject		1.700	Initial
Initial Shoulders	OFF		Initial
Initial Area Percent Reject		0.000	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_FID"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Solvent Peak Slope	0.000	0.000
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Detector Default Integration Event Table "Event_NPD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_FPD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_uECD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_GC"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Apply Method's Manual Integration Events: No

=====

Specify Report

=====

Calculate: Area Percent
Do not use Multiplier & Dilution Factor with ISTDs

Use Sample Data from Data File
Report mode: Classic
Destination: File (Prefix: Report)
Destination File Types: No destination file types selected
Quantitative Results sorted by: Signal
Report Style: (None)
Sample info on each page: No
Add Chromatogram Output: No
Uncalibrated Peaks: Do Not Report

=====

Signal Options

=====

Include: Axes, Retention Times, Baselines, Tick Marks
Font: Arial, Size: 8

Ranges: Full
Multi Chromatograms: Separated, Each in full Scale

=====

Calibration Table

=====

General Calibration Setting

Calib. Data Modified :
Signals calculated separately : No

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear

Origin : Included
Weight : Equal

Recalibration Settings:

Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :

Printout of recalibrations within a sequence:

Calibration Table after Recalibration

Normal Report after Recalibration

If the sequence is done with bracketing:

Results of first cycle (ending previous bracket)

Signal Details

Overview Table

No Entries in table

Identification Details Table

No Entries in table

Peak Sum Table

No Entries in table

Component Details Table

No Entries in table

Sample related custom fields

=====

Custom Field	Type	Mand.	Default Value
--------------	------	-------	---------------

None defined

=====

Compound related custom fields

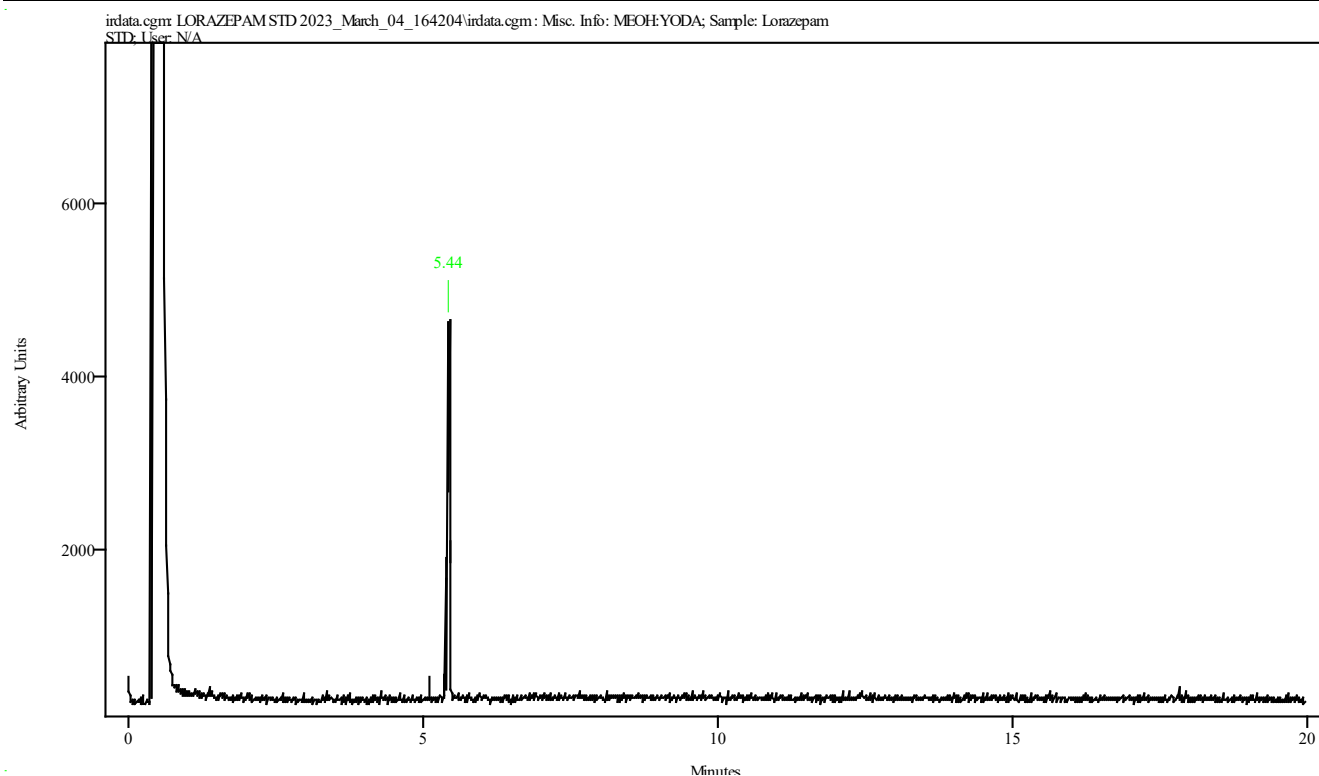
=====

Custom Field	Type	Mand.	Default Value
--------------	------	-------	---------------

None defined

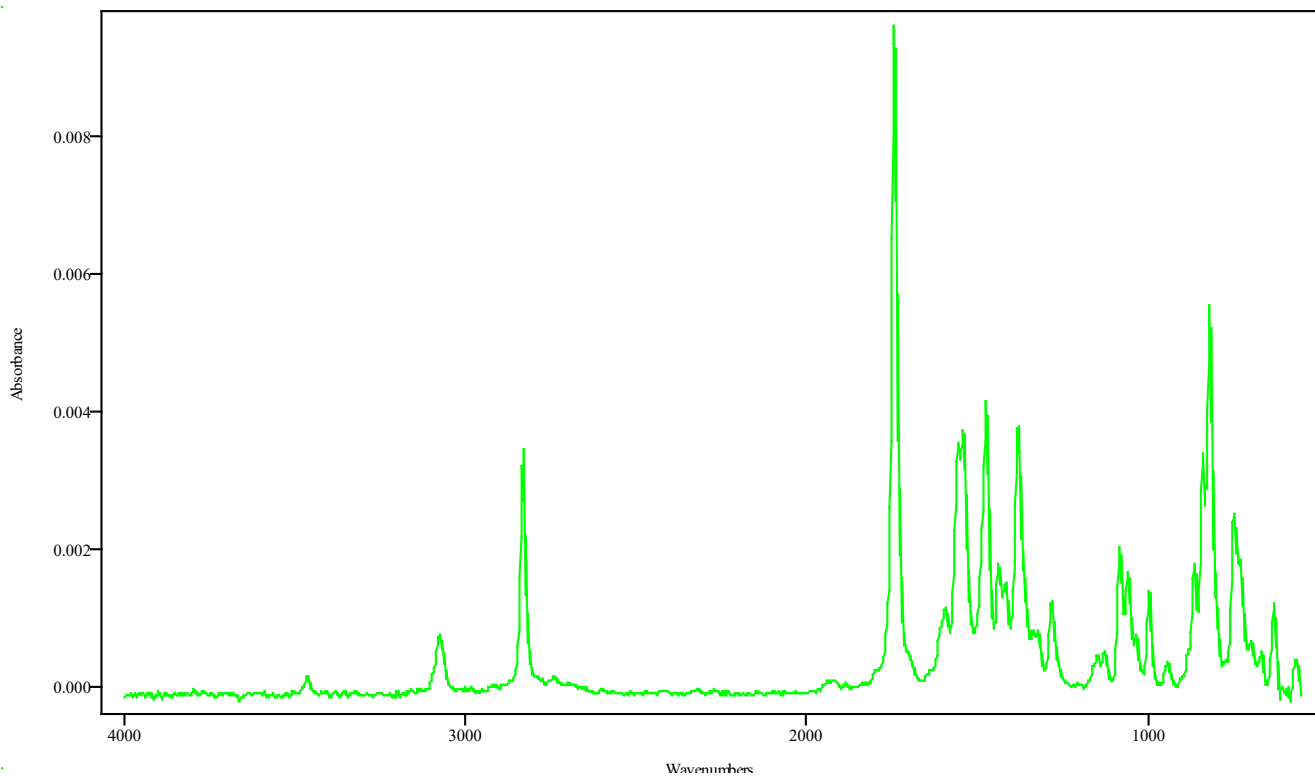
IRD Data Analysis Report

Data Filename	LORAZEPAM STD 2023_March_04_164204
Data Path	C:/ASAP DATA/YODA 2023/Validation/Split methods-3-4-23-1
IRD Method	IRD3 EXT
GC Method	120TO270(20MIN).M
GC Vial	8
Sample Name	Lorazepam STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Sat Mar 04 17:06:01 2023
Date Processed	Tue Mar 21 12:59:45 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
5.412	5.466	0.055	5.106	5.368

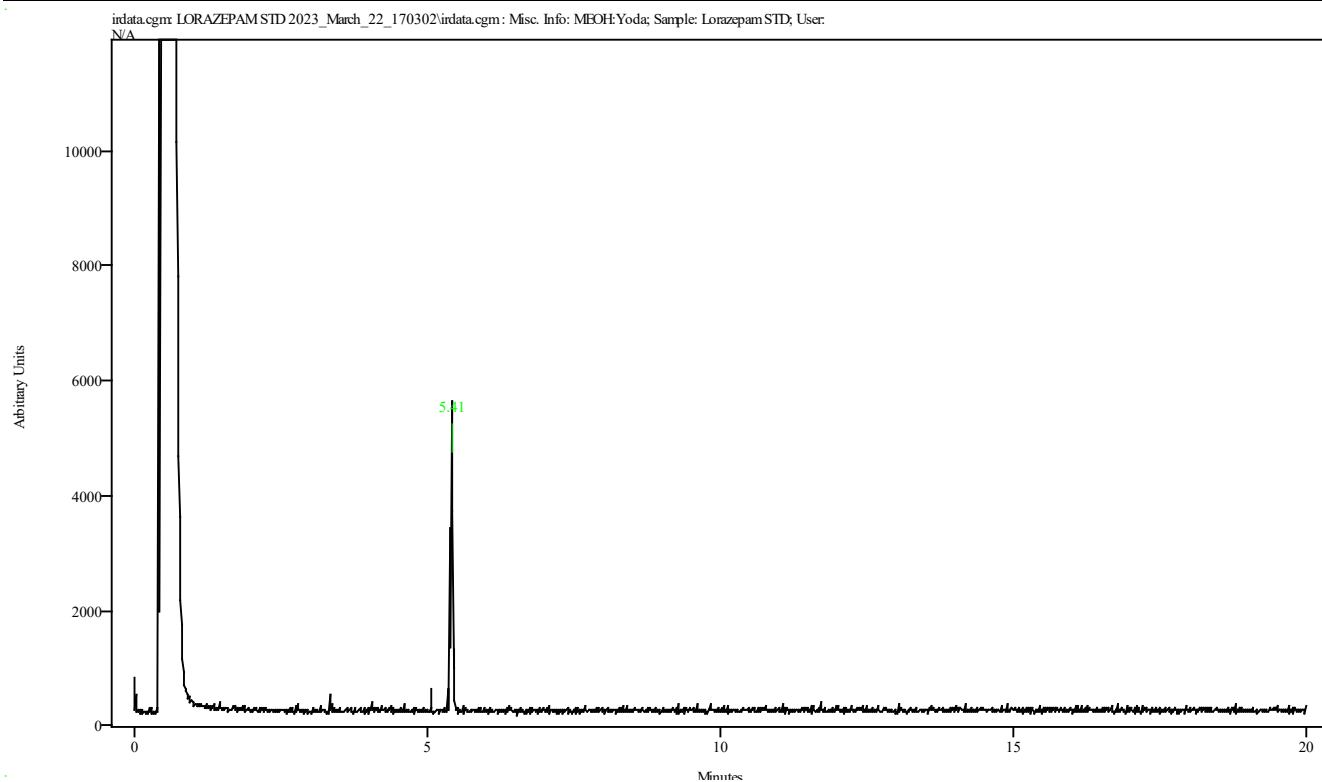
Data Filename	LORAZEPAM STD 2023_March_04_164204
Data Path	C:/ASAP DATA/YODA 2023/Validation/Split methods-3-4-23-1
IRD Method	IRD3 EXT
GC Method	120TO270(20MIN).M
GC Vial	8
Sample Name	Lorazepam STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Sat Mar 04 17:06:01 2023
Date Processed	Tue Mar 21 12:59:45 2023



IRDATA.SPC: 5.44 minutes: AVE (5.41: 5.47) Ref. (5.11: 5.37) of LORAZEPAM STD
2023_March_04_164204.cgm

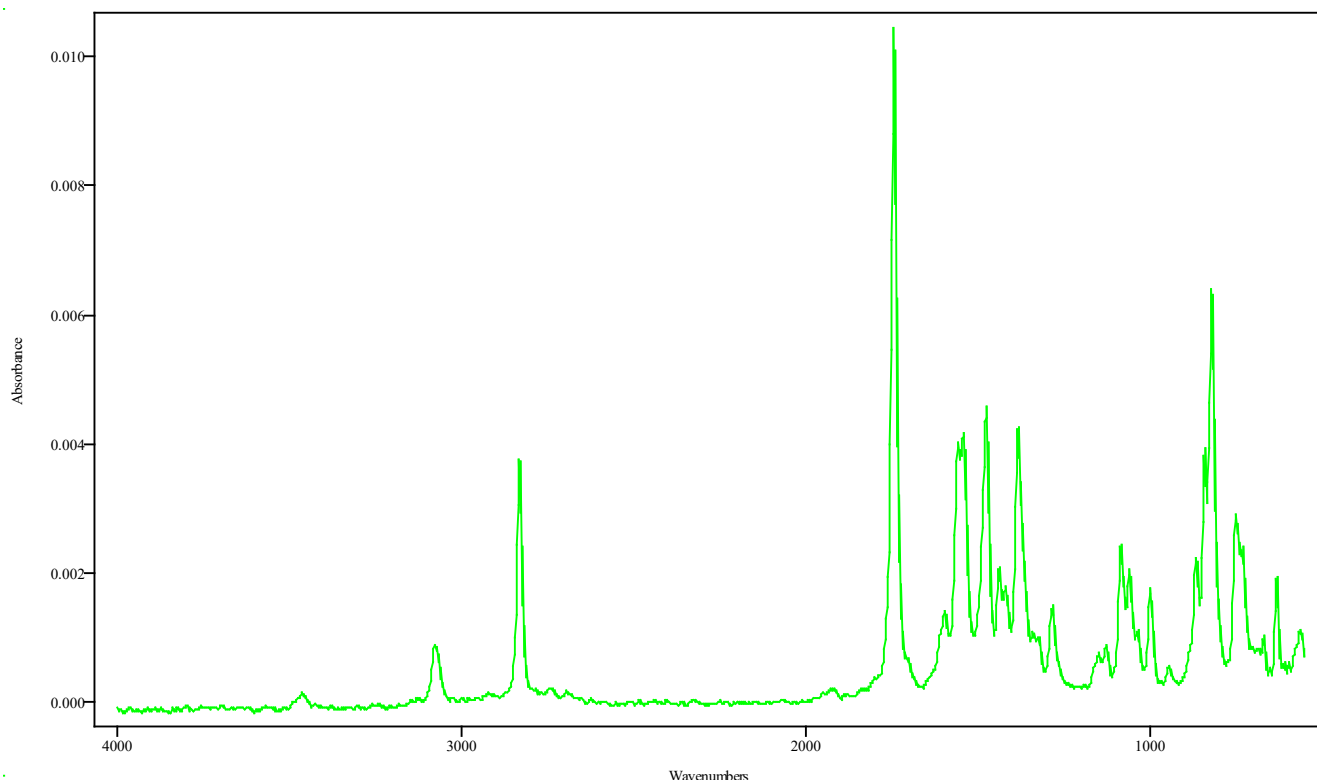
IRD Data Analysis Report

Data Filename	LORAZEPAM STD 2023_March_22_170302
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-22-23-STDS
IRD Method	IRD3 EXT
GC Method	120TO270(20MIN).M
GC Vial	8
Sample Name	Lorazepam STD
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Wed Mar 22 17:26:59 2023
Date Processed	Thu Mar 23 10:10:15 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
5.388	5.442	0.055	5.081	5.344

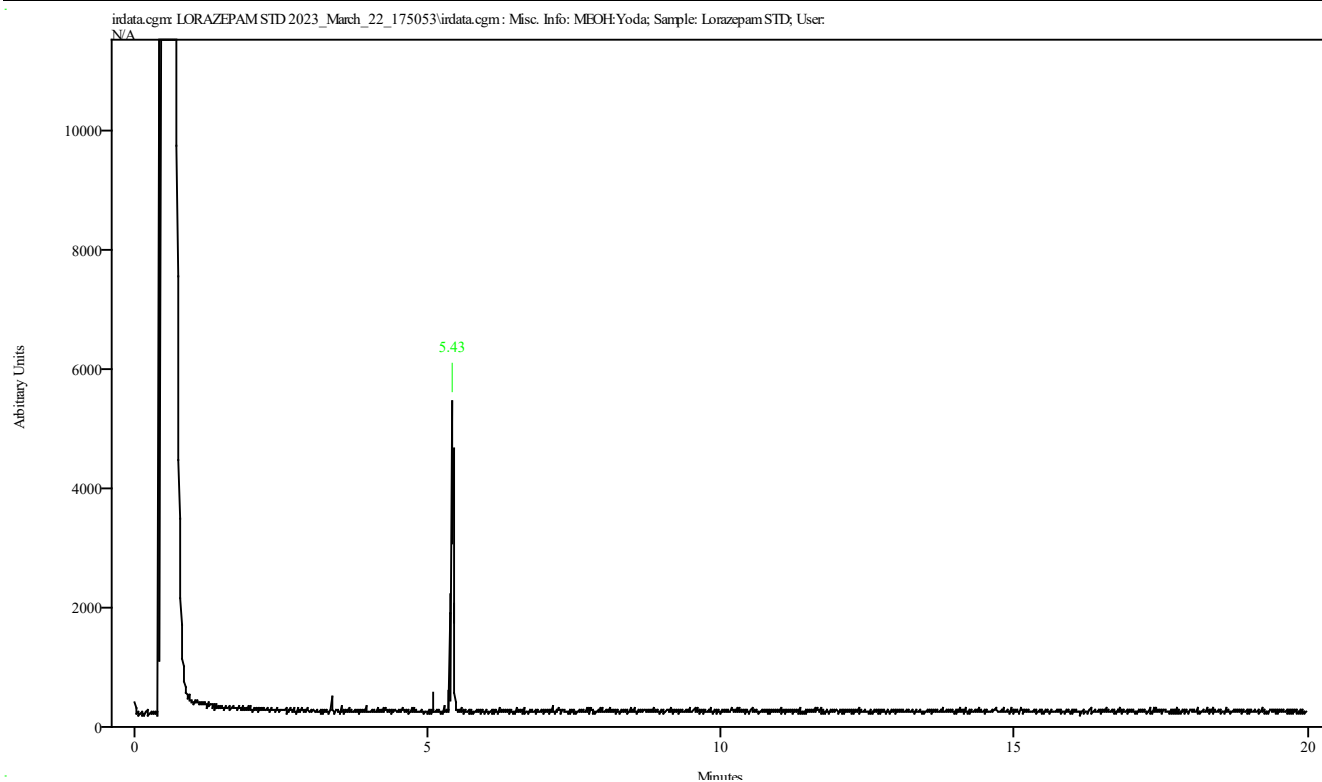
Data Filename	LORAZEPAM STD 2023_March_22_170302
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-22-23-STDS
IRD Method	IRD3 EXT
GC Method	120TO270(20MIN).M
GC Vial	8
Sample Name	Lorazepam STD
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Wed Mar 22 17:26:59 2023
Date Processed	Thu Mar 23 10:10:15 2023



IRDATA.SPC: 5.41 minutes: AVE (5.39: 5.44) Ref. (5.08: 5.34) of LORAZEPAM STD
2023_March_22_170302.cgm

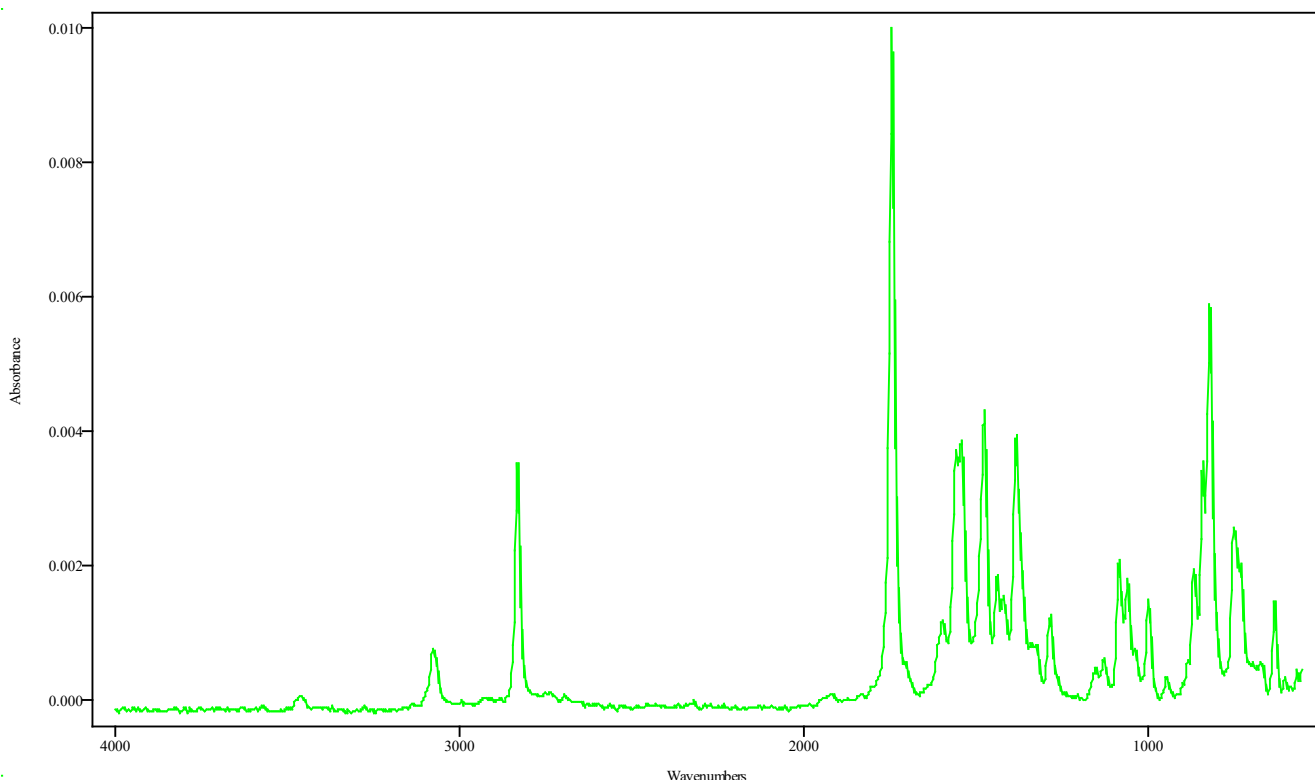
IRD Data Analysis Report

Data Filename	LORAZEPAM STD 2023_March_22_175053
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-22-23-STDS
IRD Method	IRD3 EXT
GC Method	120TO270(20MIN).M
GC Vial	8
Sample Name	Lorazepam STD
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Wed Mar 22 18:14:45 2023
Date Processed	Thu Mar 23 10:11:35 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
5.395	5.450	0.055	5.090	5.352

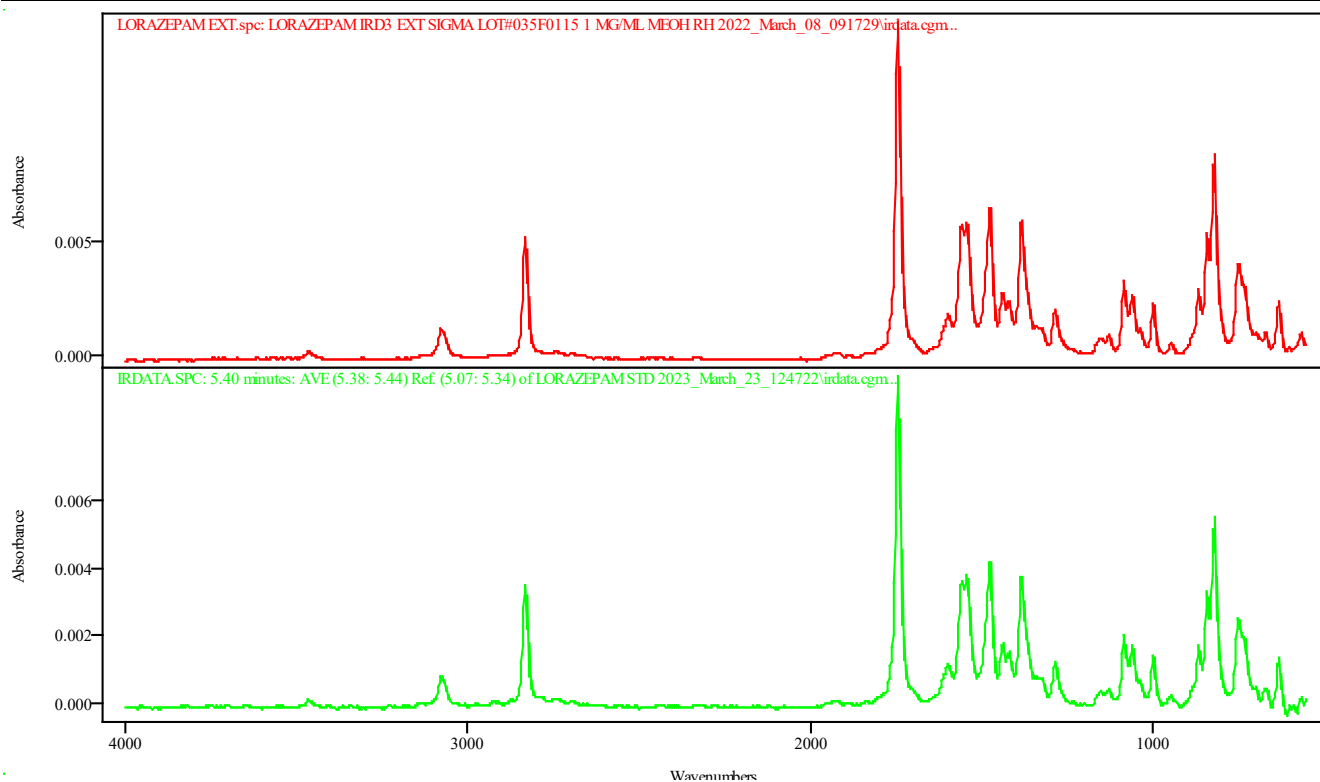
Data Filename	LORAZEPAM STD 2023_March_22_175053
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-22-23-STDS
IRD Method	IRD3 EXT
GC Method	120TO270(20MIN).M
GC Vial	8
Sample Name	Lorazepam STD
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Wed Mar 22 18:14:45 2023
Date Processed	Thu Mar 23 10:11:35 2023



IRDATA.SPC: 5.43 minutes: AVE (5.40: 5.45) Ref. (5.09: 5.35) of LORAZEPAM STD
2023_March_22_175053.cgm

IRD Data Analysis Report

Data Filename	LORAZEPAM STD 2023_March_23_124722
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-23-23- STDs
IRD Method	IRD3 EXT
GC Method	120TO270(20MIN).M
GC Vial	8
Sample Name	Lorazepam STD
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Thu Mar 23 13:11:15 2023
Date Processed	Mon Apr 03 10:08:33 2023



IRDATA.SPC: 5.40 minutes: AVE (5.38: 5.44) Ref. (5.07: 5.34) of LORAZEPAM STD
2023_March_23_124722.cgm

LORAZEPAM EXT.spc: LORAZEPAM IRD3 EXT SIGMA LOT#035F0115 1 MG/ML MEOH RH
2022_March_08_091729\irdata.cgm

Method Information

Method: C:\Users\Public\Documents\ChemStation\1\Methods\120TO270.M
Modified: 2/16/2023 at 10:49:09 AM

AUTOSAMPLE 120C TO 270C, HOLD FOR 1 MIN @120C, RAMP @70C PER MIN TO
270C. 10 MINUTE METHOD.

Method Audit Trail

Operator : SYSTEM
Date : 2/6/2020 4:02:24 PM
Change Info: This method was created at 2/6/2020 4:02:24 PM and based on
method
'C:\Users\Public\Documents\ChemStation\1\Methods\200TO270.M'

Operator : SYSTEM
Date : 2/6/2020 4:02:25 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/6/2020 4:03:32 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/19/2020 10:12:25 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 10/6/2020 12:55:44 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 1/20/2023 4:42:33 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 1/23/2023 9:26:19 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 1/23/2023 1:22:17 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 1/25/2023 8:32:32 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 1/25/2023 1:25:52 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM

Date : 2/16/2023 10:37:40 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/16/2023 10:49:09 AM
Change Info: Method saved. User comment: ""

Run Time Checklist

Pre-Run Cmd/Macro: off
Data Acquisition: on
Standard Data Analysis: on
Modify Custom Fields: off
Customized Data Analysis: off
Save GLP Data: off
Post-Run Cmd/Macro: off
Save Method with Data: off

Injection Source and Location

Injection Source: GC Injector
Injection Location: Front

=====

Agilent 8890

=====

Module Type: GC
Module Name: Agilent 8890

GC

GC Summary

Run Time	10 min
Post Run Time	0 min

Oven

Temperature

Setpoint	On
(Initial)	120 °C
Hold Time	1 min
Post Run	120 °C
Program	
#1 Rate	70 °C/min
#1 Value	270 °C

#1 Hold Time 6.8575 min

Equilibration Time 1 min
Max Temperature 325 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS

Front Injector
Syringe Size 10 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 3
Solvent A Washes (PostInj) 0
Solvent A Volume 8 µL
Solvent B Washes (PreInj) 3
Solvent B Washes (PostInj) 0
Solvent B Volume 8 µL
Sample Washes 1
Sample Wash Volume 8 µL
Sample Pumps 3
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 300 µL/min
Solvent Wash Dispense Speed 3000 µL/min
Sample Wash Draw Speed 300 µL/min
Sample Wash Dispense Speed 3000 µL/min
Injection Dispense Speed 6000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 0.2 µL
Solvent Wash Mode A, B

Sample Overlap
Mode Sample overlap is not enabled

Front SS Inlet He

Mode Split
Heater On 250 °C
Pressure On 10.015 psi
Total Flow On 12 mL/min
Septum Purge Flow On 3 mL/min
Pre-Run Flow Test Off
Gas Saver On 15 mL/min after 2 min
Split Ratio 2 :1
Split Flow 6 mL/min
Liner A Liner has not been selected.

Column

Column #1
Flow
Setpoint On
(Initial) 3 mL/min
Post Run 2 mL/min

Temperature Range	-60 °C–325 °C (325 °C)
Dimensions	15 m x 320 µm x 1 µm
(Uncalibrated)	
Column lock	Unlocked
In	Front SS Inlet He
Out	Other
(Initial)	120 °C
Pressure	10.015 psi
Flow	3 mL/min
Average Velocity	60.612 cm/sec
Holdup Time	0.41246 min
Control Mode	Constant Flow
Column Outlet Pressure	0 psi
Detector Evaluation	
Perform Detector Evaluation Test	Off
Signal Selected	No Signal Selected
Checkout Sample	None
Signals	
Signal #1: Test Plot	
Description	Test Plot
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #2:	
Description	None
Signal #3:	
Description	None
Signal #4:	
Description	None
Signal #5:	
Description	None
Signal #6:	
Description	None
Signal #7:	
Description	None
Signal #8:	
Description	None

The Data Analysis Parameters of the used Method are :

Integration Events

Non signal specific Integration Events

Event	Value
Tangent Skim Mode	New Exponential
Tail Peak Skim Height Ratio	5.000
Front Peak Skim Height Ratio	5.000
Skim Valley Ratio	20.000
Baseline Correction	Advanced
Peak to Valley Ratio	500.000

Default Integration Event Table "Event"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_FID"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial

Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_NPD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_FPD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial

Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

 Detector Default Integration Event Table "Event_uECD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

 Detector Default Integration Event Table "Event_GC"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Apply Method's Manual Integration Events: No

=====
 Specify Report
 =====

Calculate: Area Percent
 Do not use Multiplier & Dilution Factor with ISTDs

Use Sample Data from Data File
 Report mode: Classic
 Destination: File (Prefix: Report)
 Destination File Types: No destination file types selected
 Quantitative Results sorted by: Signal
 Report Style: (None)
 Sample info on each page: No
 Add Chromatogram Output: No
 Uncalibrated Peaks: Do Not Report

Signal Options

=====
Include: Axes, Retention Times, Baselines, Tick Marks
Font: Arial, Size: 8

Ranges: Full
Multi Chromatograms: Separated, Each in full Scale

Calibration Table

General Calibration Setting

Calib. Data Modified :
Signals calculated separately : No

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Signal Details

Overview Table

No Entries in table

Identification Details Table

No Entries in table

Peak Sum Table

No Entries in table

Component Details Table

No Entries in table

Sample related custom fields

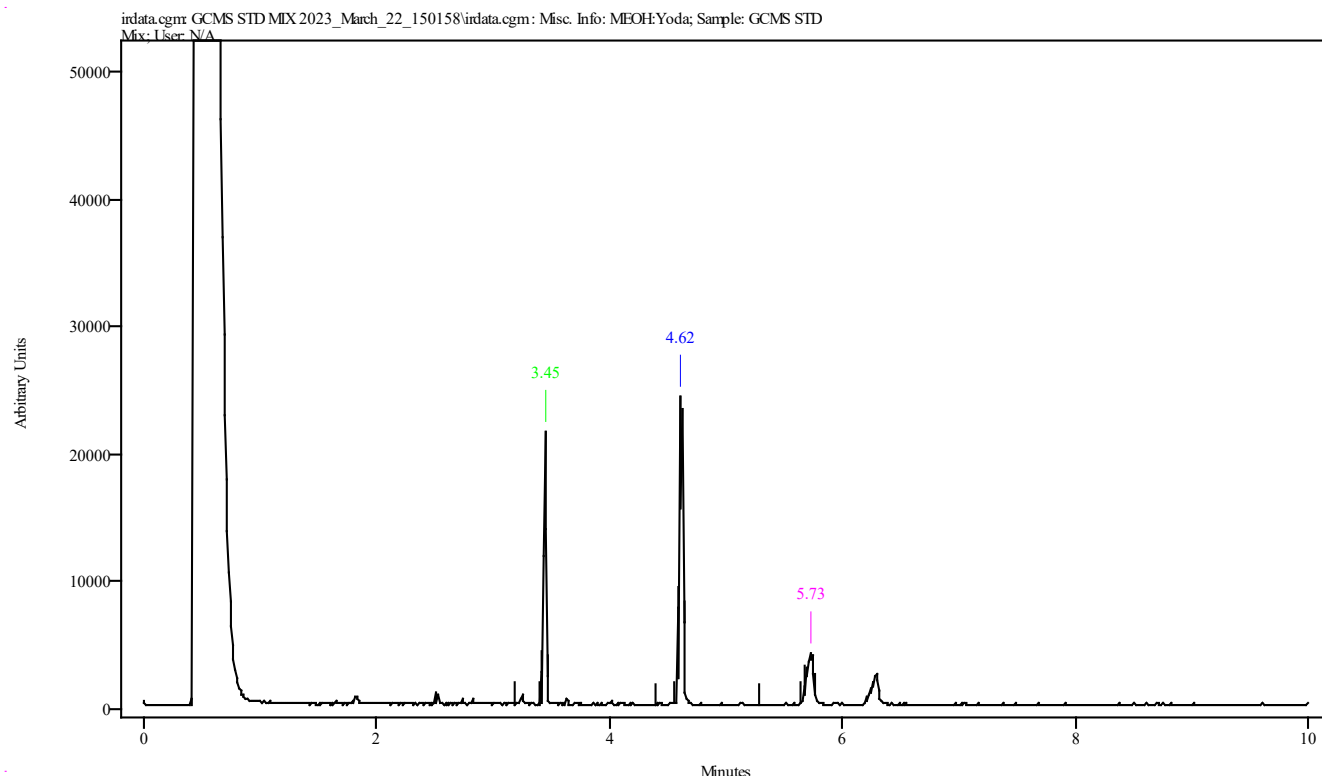
Custom Field	Type	Mand.	Default Value
None defined			

Compound related custom fields

Custom Field	Type	Mand.	Default Value
None defined			

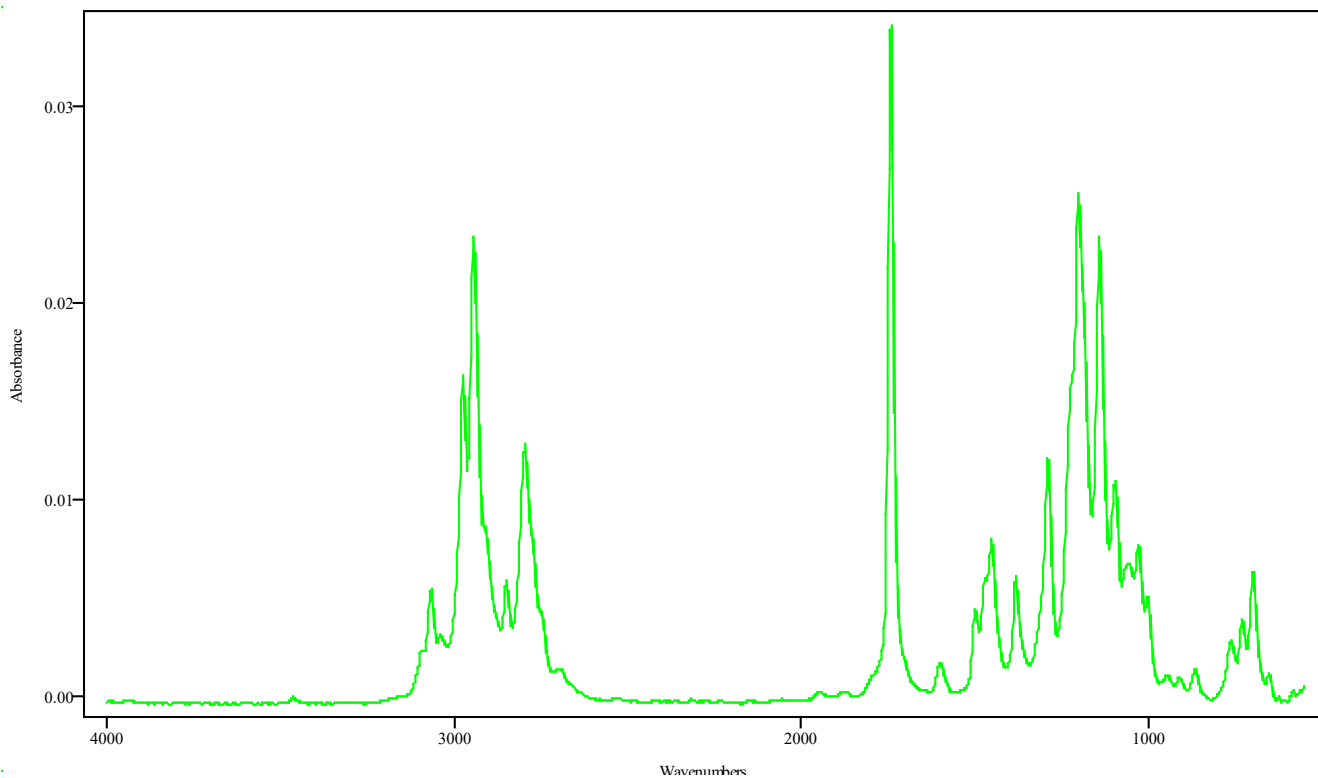
IRD Data Analysis Report

Data Filename	GCMS STD MIX 2023_March_22_150158
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-22-23-STDS
IRD Method	IRD3 EXT
GC Method	120TO270.M
GC Vial	6
Sample Name	GCMS STD Mix
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Wed Mar 22 15:15:50 2023
Date Processed	Thu Mar 23 12:13:19 2023



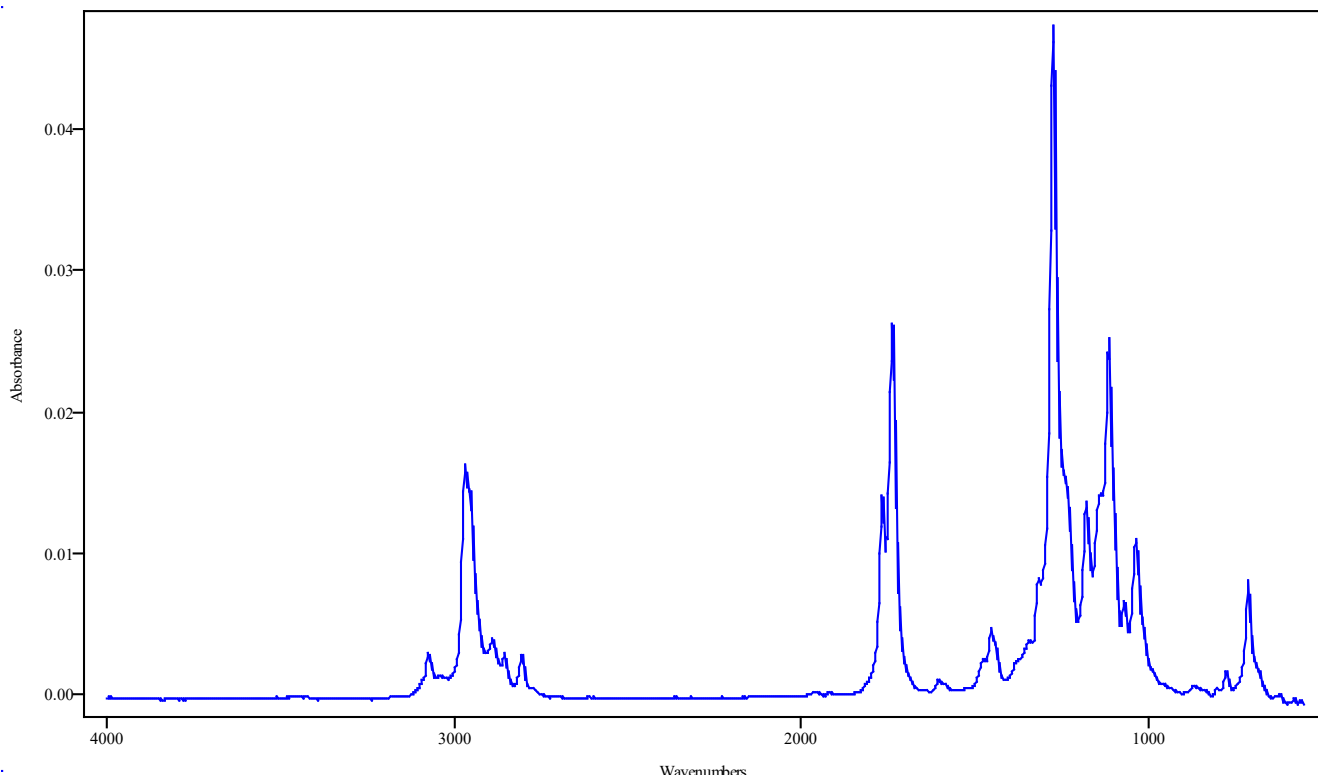
Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.424	3.467	0.044	3.183	3.402
4.594	4.638	0.044	4.386	4.561
5.677	5.764	0.088	5.283	5.633

Data Filename	GCMS STD MIX 2023_March_22_150158
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-22-23-STDS
IRD Method	IRD3 EXT
GC Method	120TO270.M
GC Vial	6
Sample Name	GCMS STD Mix
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Wed Mar 22 15:15:50 2023
Date Processed	Thu Mar 23 12:13:19 2023



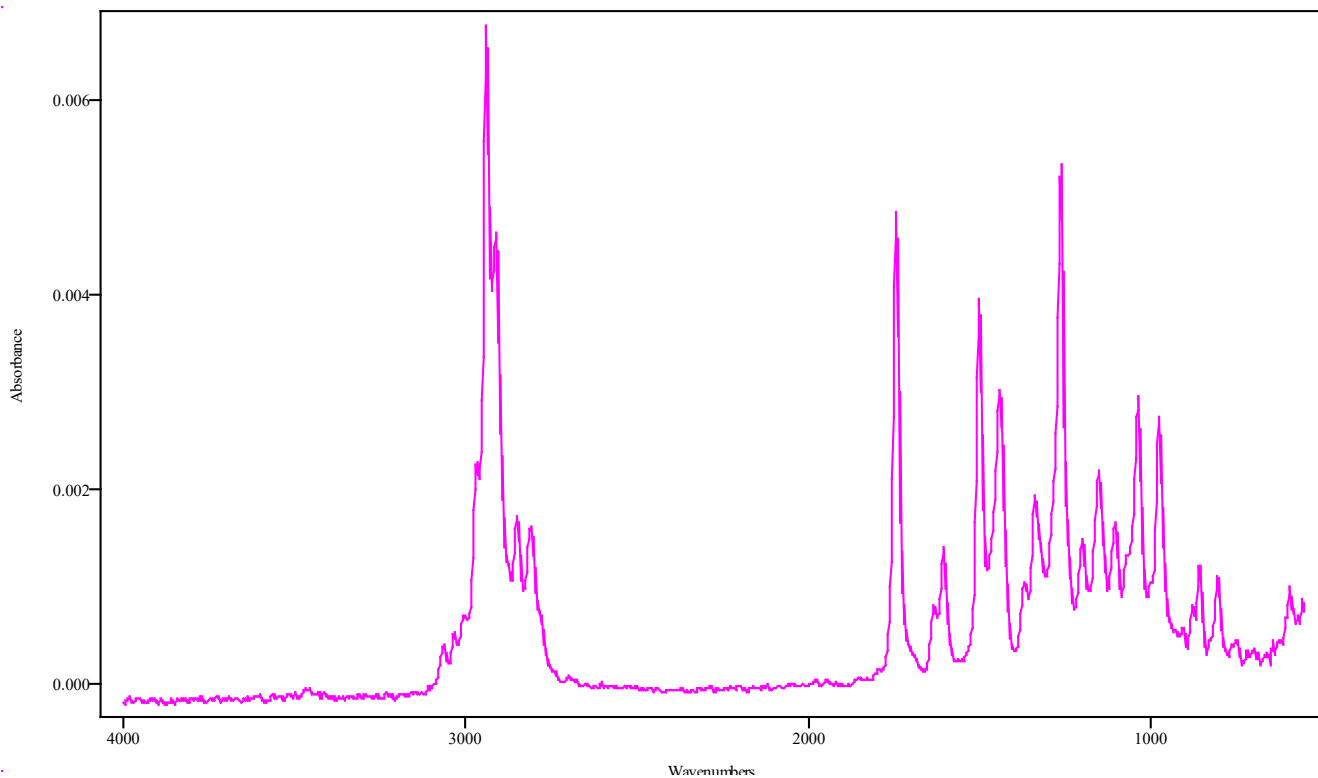
IRDATA.SPC: 3.45 minutes: AVE (3.42: 3.47) Ref. (3.18: 3.40) of GCMS STD MIX
 2023_March_22_150158.cgm Pethidine

Data Filename	GCMS STD MIX 2023_March_22_150158
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-22-23-STDS
IRD Method	IRD3 EXT
GC Method	120TO270.M
GC Vial	6
Sample Name	GCMS STD Mix
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Wed Mar 22 15:15:50 2023
Date Processed	Thu Mar 23 12:13:19 2023



IRDATA.SPC: 4.62 minutes: AVE (4.59: 4.64) Ref. (4.39: 4.56) of GCMS STD MIX
2023_March_22_150158.cgm Cocaine

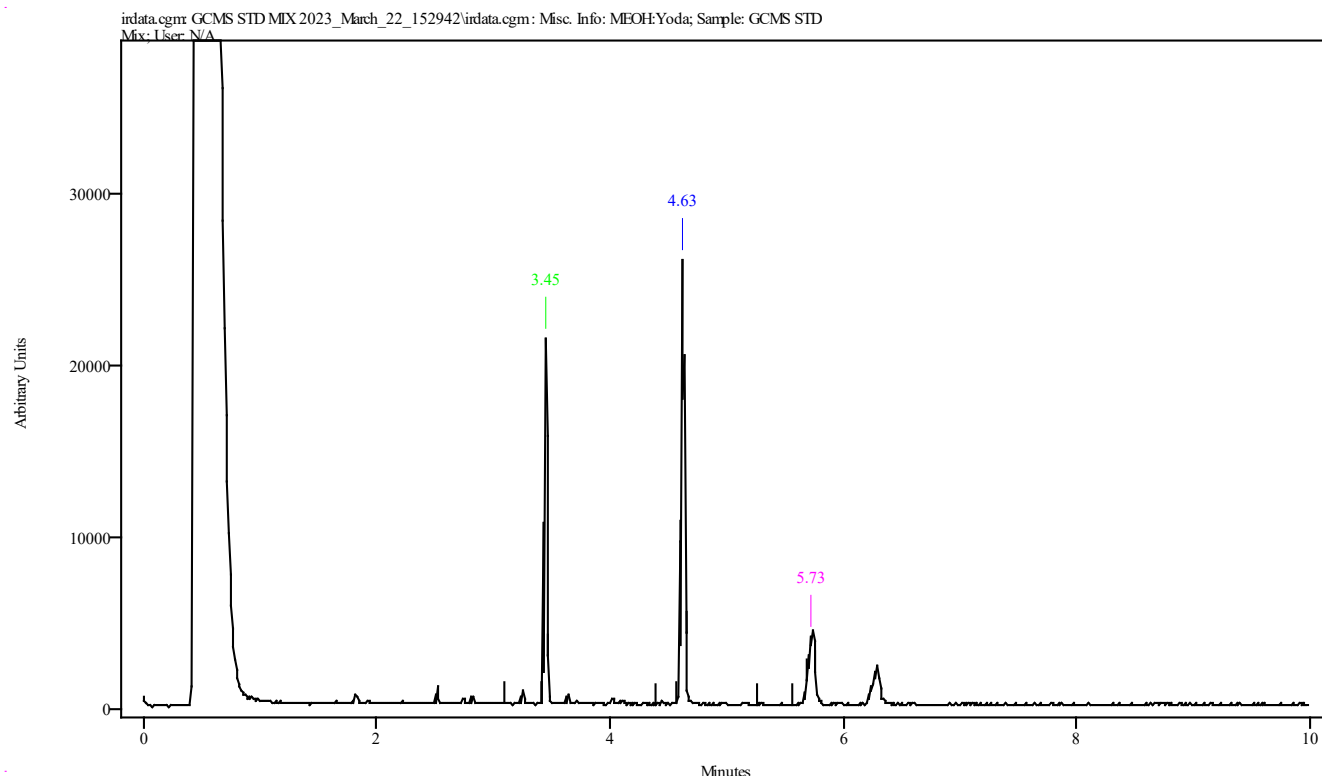
Data Filename	GCMS STD MIX 2023_March_22_150158
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-22-23-STDS
IRD Method	IRD3 EXT
GC Method	120TO270.M
GC Vial	6
Sample Name	GCMS STD Mix
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Wed Mar 22 15:15:50 2023
Date Processed	Thu Mar 23 12:13:19 2023



IRDATA.SPC: 5.73 minutes: AVE (5.68: 5.76) Ref. (5.28: 5.63) of GCMS STD MIX
2023_March_22_150158.cgm Hydrocodone

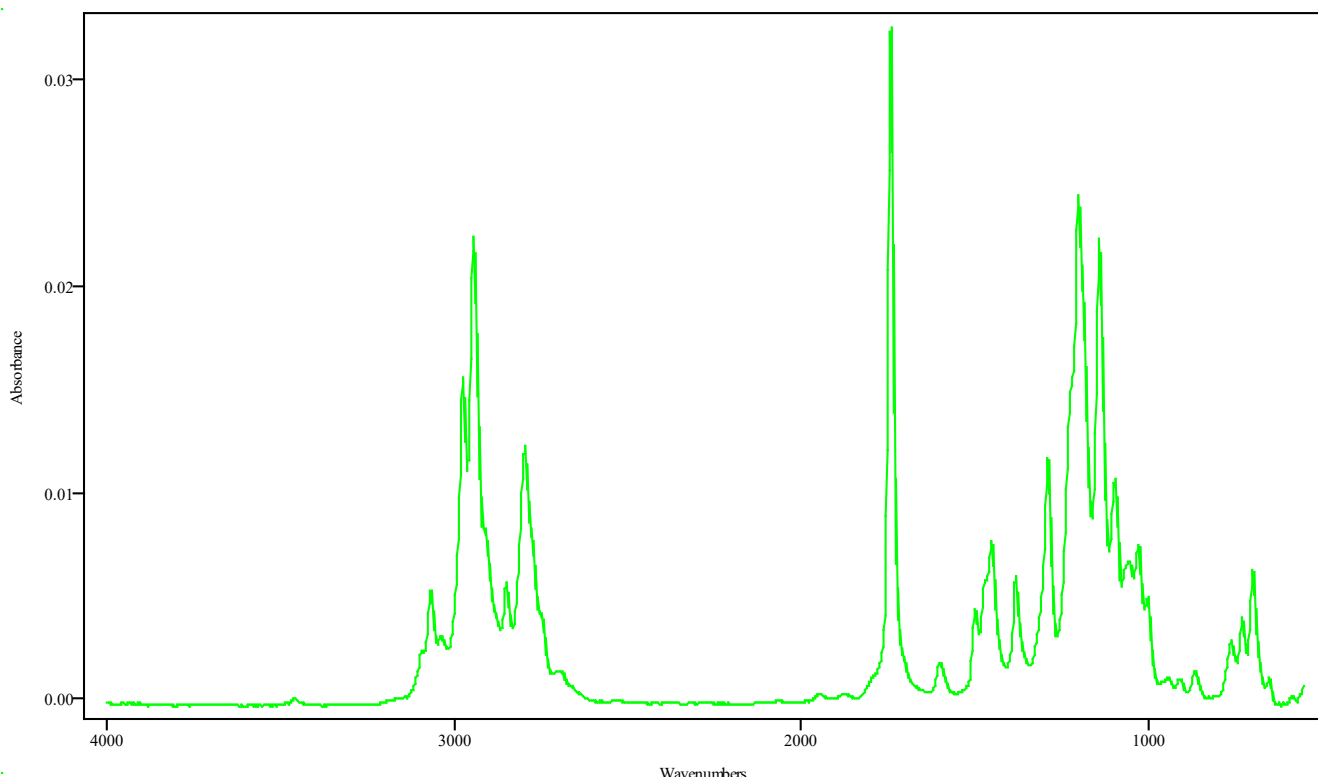
IRD Data Analysis Report

Data Filename	GCMS STD MIX 2023_March_22_152942
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-22-23-STDS
IRD Method	IRD3 EXT
GC Method	120TO270.M
GC Vial	6
Sample Name	GCMS STD Mix
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Wed Mar 22 15:43:35 2023
Date Processed	Thu Mar 23 12:14:32 2023



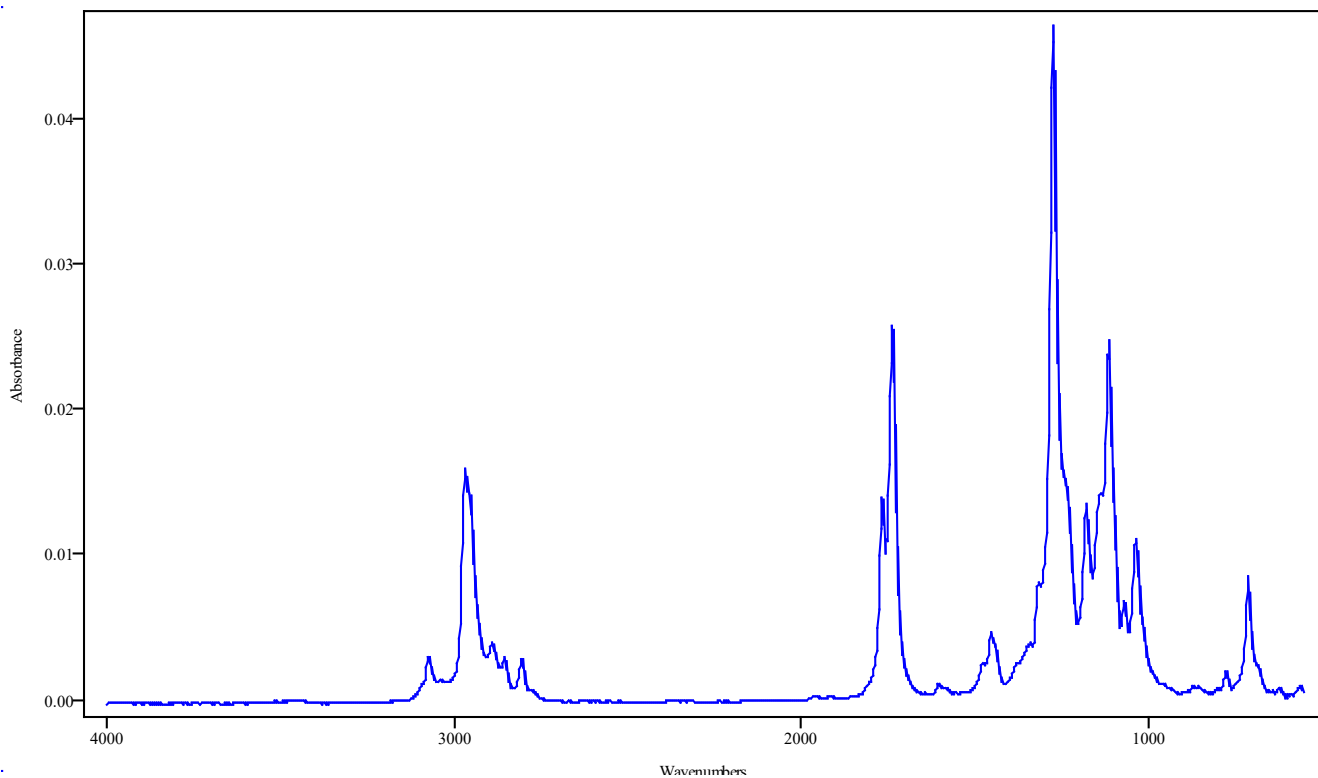
Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.406	3.472	0.066	3.100	3.406
4.607	4.651	0.044	4.399	4.574
5.688	5.764	0.076	5.262	5.568

Data Filename	GCMS STD MIX 2023_March_22_152942
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-22-23-STDS
IRD Method	IRD3 EXT
GC Method	120TO270.M
GC Vial	6
Sample Name	GCMS STD Mix
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Wed Mar 22 15:43:35 2023
Date Processed	Thu Mar 23 12:14:32 2023



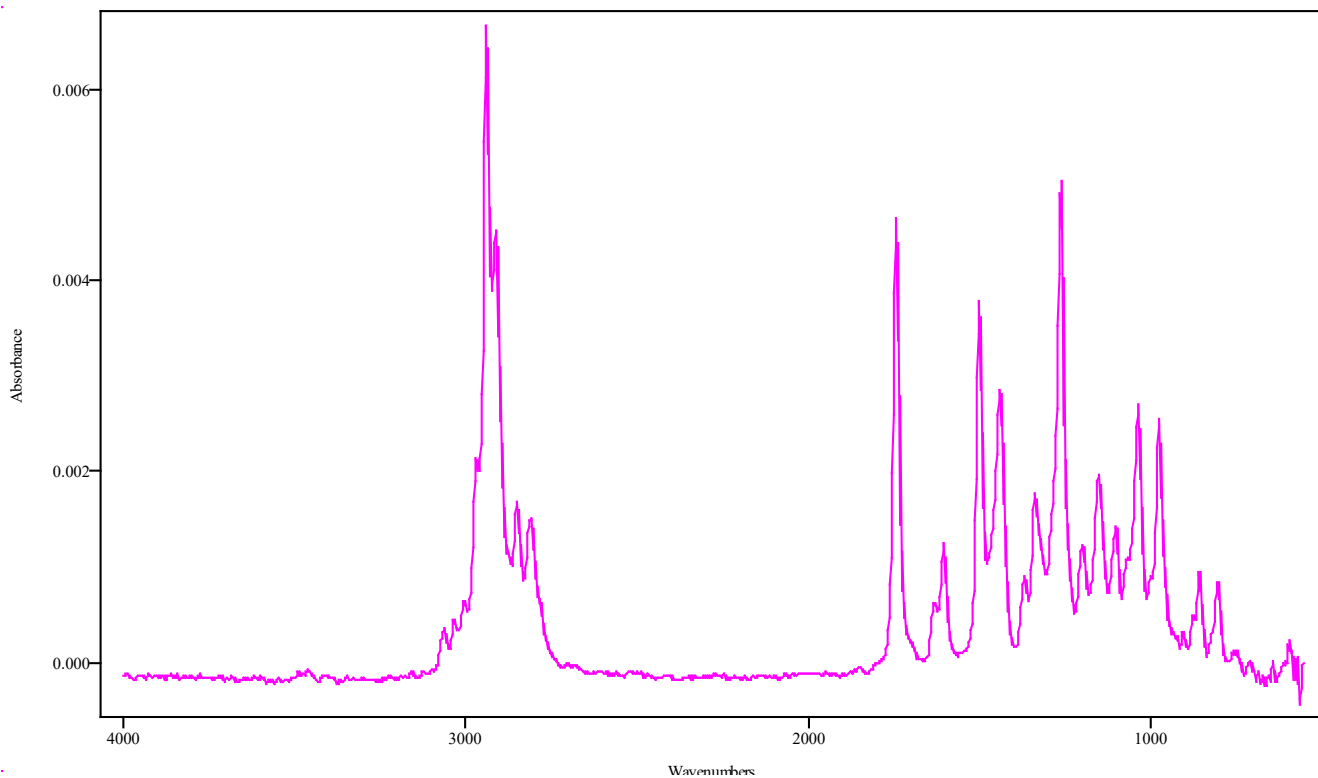
IRDATA.SPC: 3.45 minutes: AVE (3.41: 3.47) Ref. (3.10: 3.41) of GCMS STD MIX
2023_March_22_152942.cgm Pethidine

Data Filename	GCMS STD MIX 2023_March_22_152942
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-22-23-STDS
IRD Method	IRD3 EXT
GC Method	120TO270.M
GC Vial	6
Sample Name	GCMS STD Mix
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Wed Mar 22 15:43:35 2023
Date Processed	Thu Mar 23 12:14:32 2023



IRDATA.SPC: 4.63 minutes: AVE (4.61: 4.65) Ref. (4.40: 4.57) of GCMS STD MIX
2023_March_22_152942.cgm Cocaine

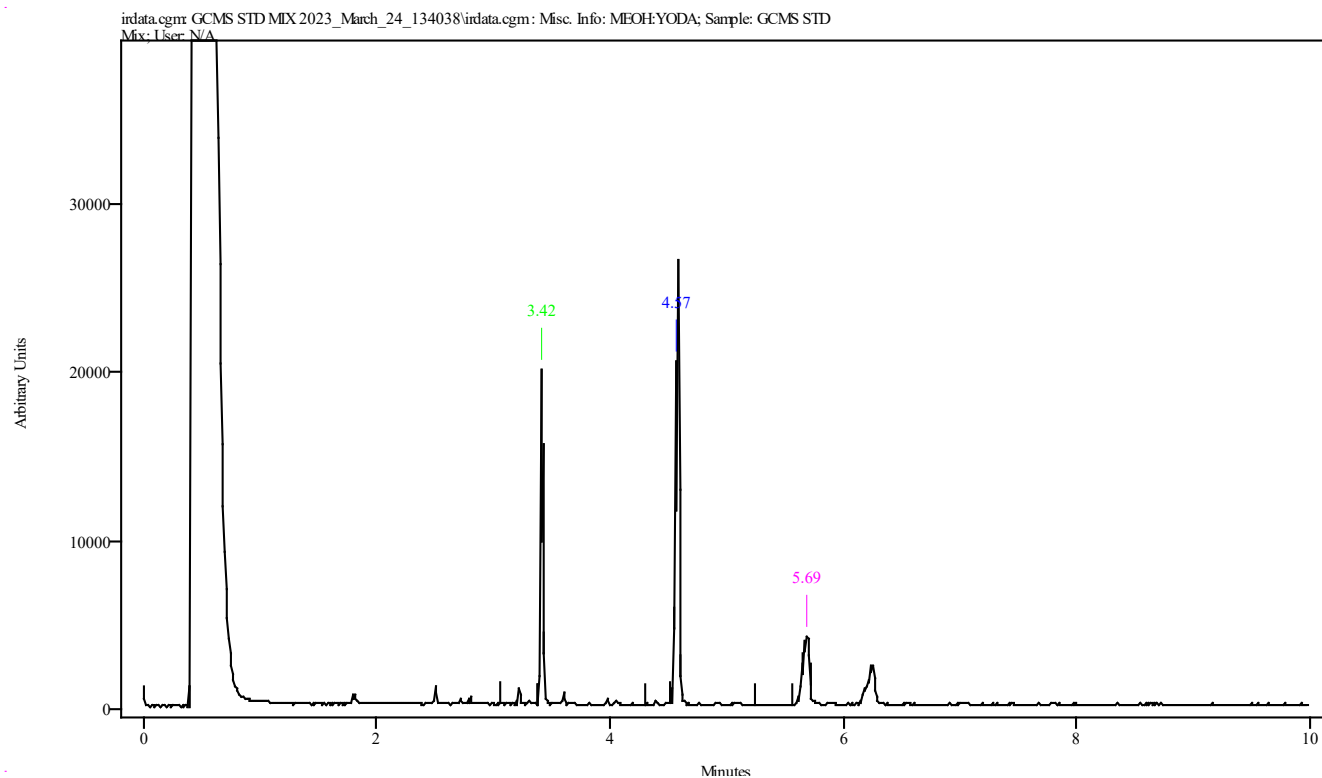
Data Filename	GCMS STD MIX 2023_March_22_152942
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-22-23-STDS
IRD Method	IRD3 EXT
GC Method	120TO270.M
GC Vial	6
Sample Name	GCMS STD Mix
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Wed Mar 22 15:43:35 2023
Date Processed	Thu Mar 23 12:14:32 2023



IRDATA.SPC: 5.73 minutes: AVE (5.69: 5.76) Ref. (5.26: 5.57) of GCMS STD MIX
2023_March_22_152942.cgm Hydrocodone

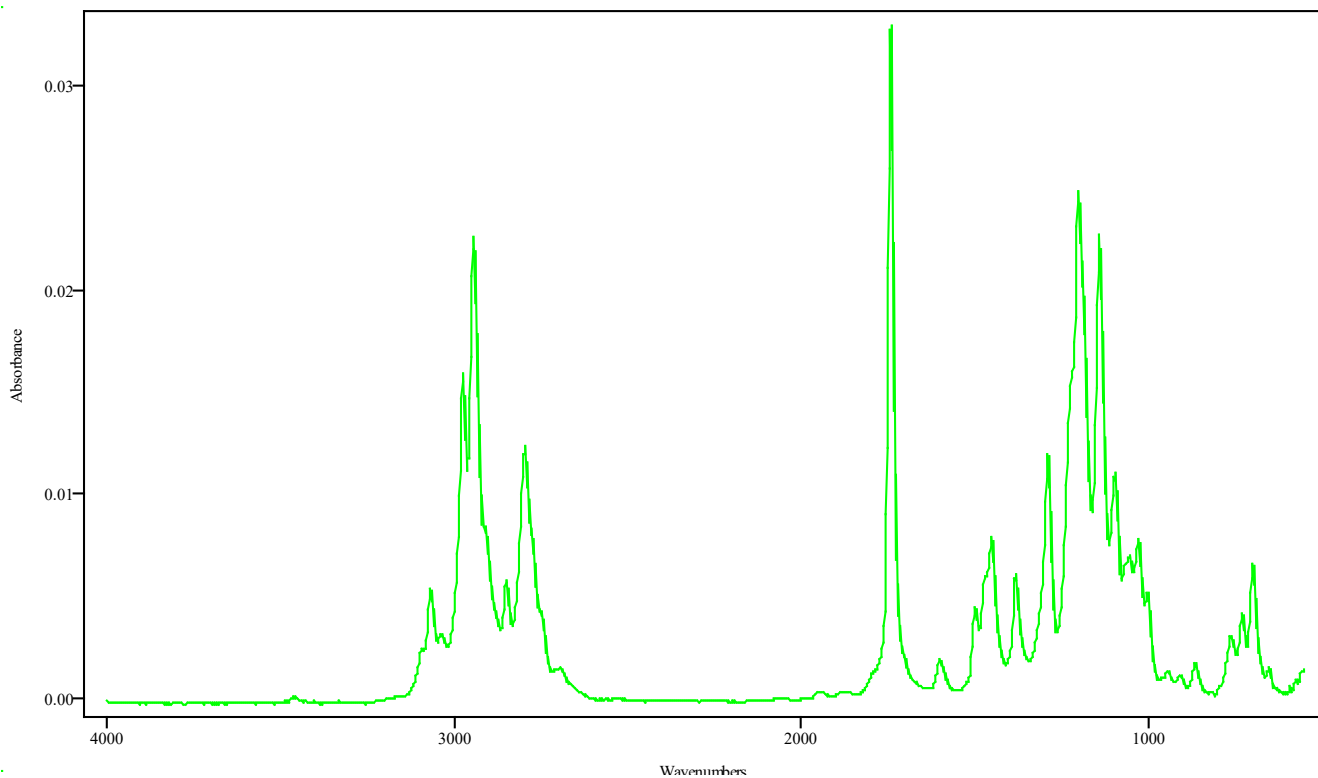
IRD Data Analysis Report

Data Filename	GCMS STD MIX 2023_March_24_134038
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-24-23-STDs
IRD Method	IRD3 EXT
GC Method	120TO270.M
GC Vial	6
Sample Name	GCMS STD Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Fri Mar 24 13:54:30 2023
Date Processed	Fri Mar 24 14:02:12 2023



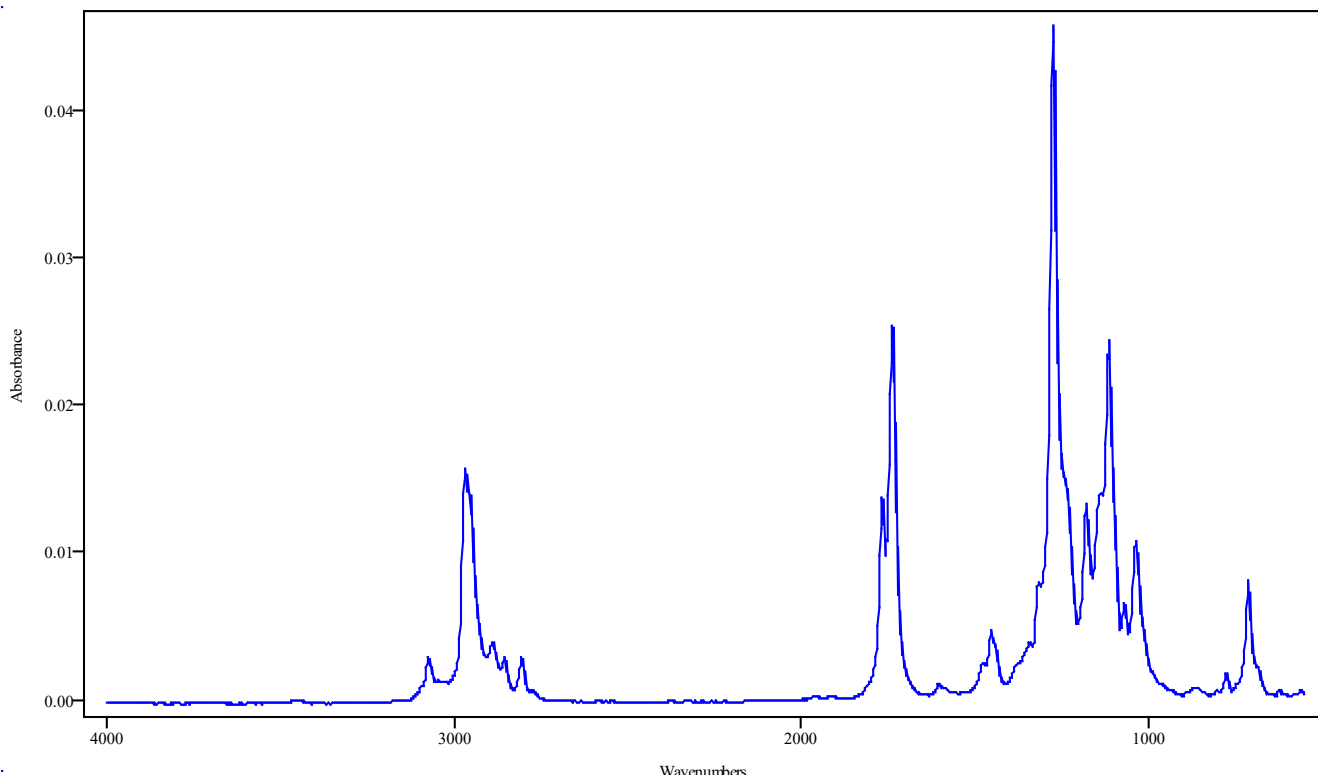
Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.374	3.439	0.066	3.068	3.374
4.553	4.607	0.055	4.302	4.520
5.644	5.721	0.076	5.251	5.557

Data Filename	GCMS STD MIX 2023_March_24_134038
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-24-23-STDs
IRD Method	IRD3 EXT
GC Method	120TO270.M
GC Vial	6
Sample Name	GCMS STD Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Fri Mar 24 13:54:30 2023
Date Processed	Fri Mar 24 14:02:12 2023



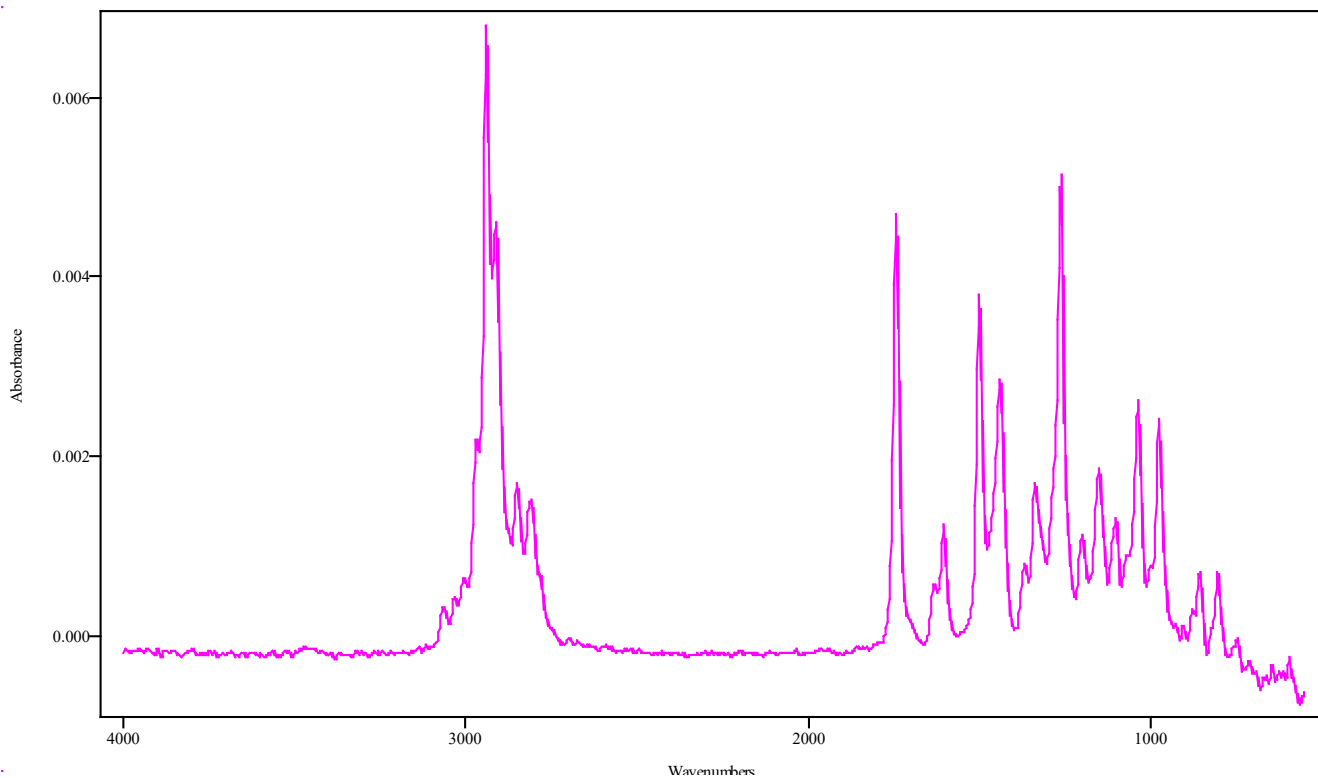
IRDATA.SPC: 3.42 minutes: AVE (3.37: 3.44) Ref. (3.07: 3.37) of GCMS STD MIX
2023_March_24_134038.cgm Pethidine

Data Filename	GCMS STD MIX 2023_March_24_134038
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-24-23-STDs
IRD Method	IRD3 EXT
GC Method	120TO270.M
GC Vial	6
Sample Name	GCMS STD Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Fri Mar 24 13:54:30 2023
Date Processed	Fri Mar 24 14:02:12 2023



IRDATA.SPC: 4.57 minutes: AVE (4.55: 4.61) Ref. (4.30: 4.52) of GCMS STD MIX
2023_March_24_134038.cgm Cocaine

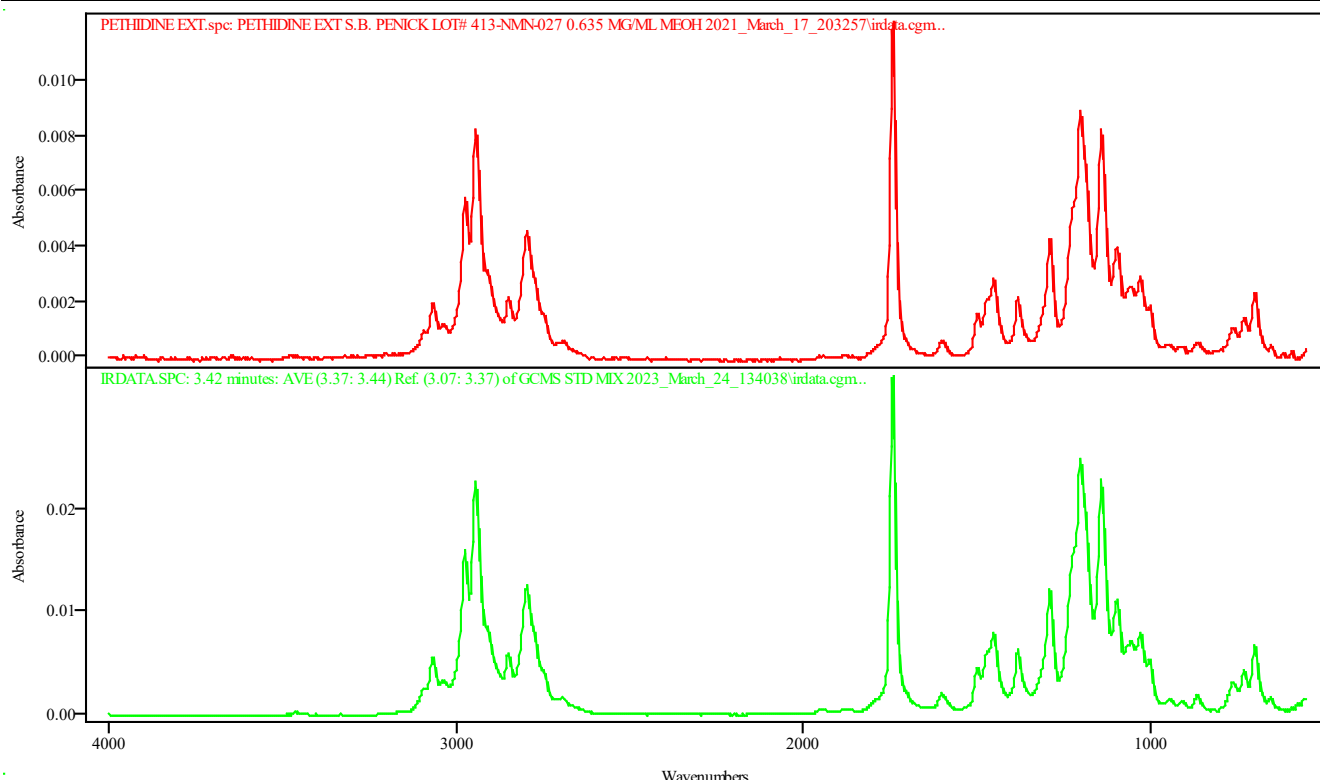
Data Filename	GCMS STD MIX 2023_March_24_134038
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-24-23-STDs
IRD Method	IRD3 EXT
GC Method	120TO270.M
GC Vial	6
Sample Name	GCMS STD Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Fri Mar 24 13:54:30 2023
Date Processed	Fri Mar 24 14:02:12 2023



IRDATA.SPC: 5.69 minutes: AVE (5.64: 5.72) Ref. (5.25: 5.56) of GCMS STD MIX
2023_March_24_134038.cgm Hydrocodone

IRD Data Analysis Report

Data Filename	GCMS STD MIX 2023_March_24_134038
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-24-23-STDs
IRD Method	IRD3 EXT
GC Method	120TO270.M
GC Vial	6
Sample Name	GCMS STD Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Fri Mar 24 13:54:30 2023
Date Processed	Fri Mar 24 14:14:29 2023

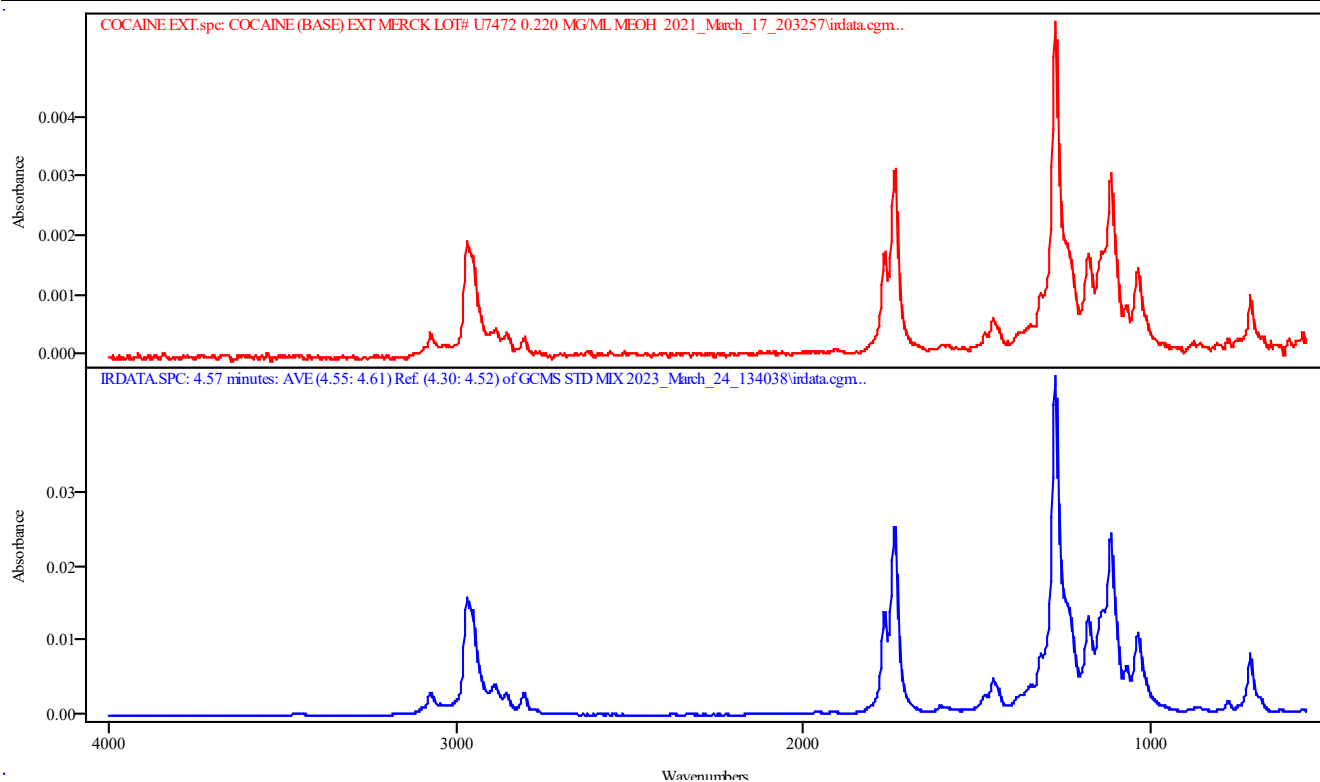


IRDATA.SPC: 3.42 minutes: AVE (3.37: 3.44) Ref. (3.07: 3.37) of GCMS STD MIX
2023_March_24_134038.cgm

PETHIDINE EXT.spc: PETHIDINE EXT S.B. PENICK LOT# 413-NMN-027 0.635 MG/ML MEOH
2021_March_17_203257\irdata.cgm

IRD Data Analysis Report

Data Filename	GCMS STD MIX 2023_March_24_134038
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-24-23-STDs
IRD Method	IRD3 EXT
GC Method	120TO270.M
GC Vial	6
Sample Name	GCMS STD Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Fri Mar 24 13:54:30 2023
Date Processed	Fri Mar 24 14:08:43 2023

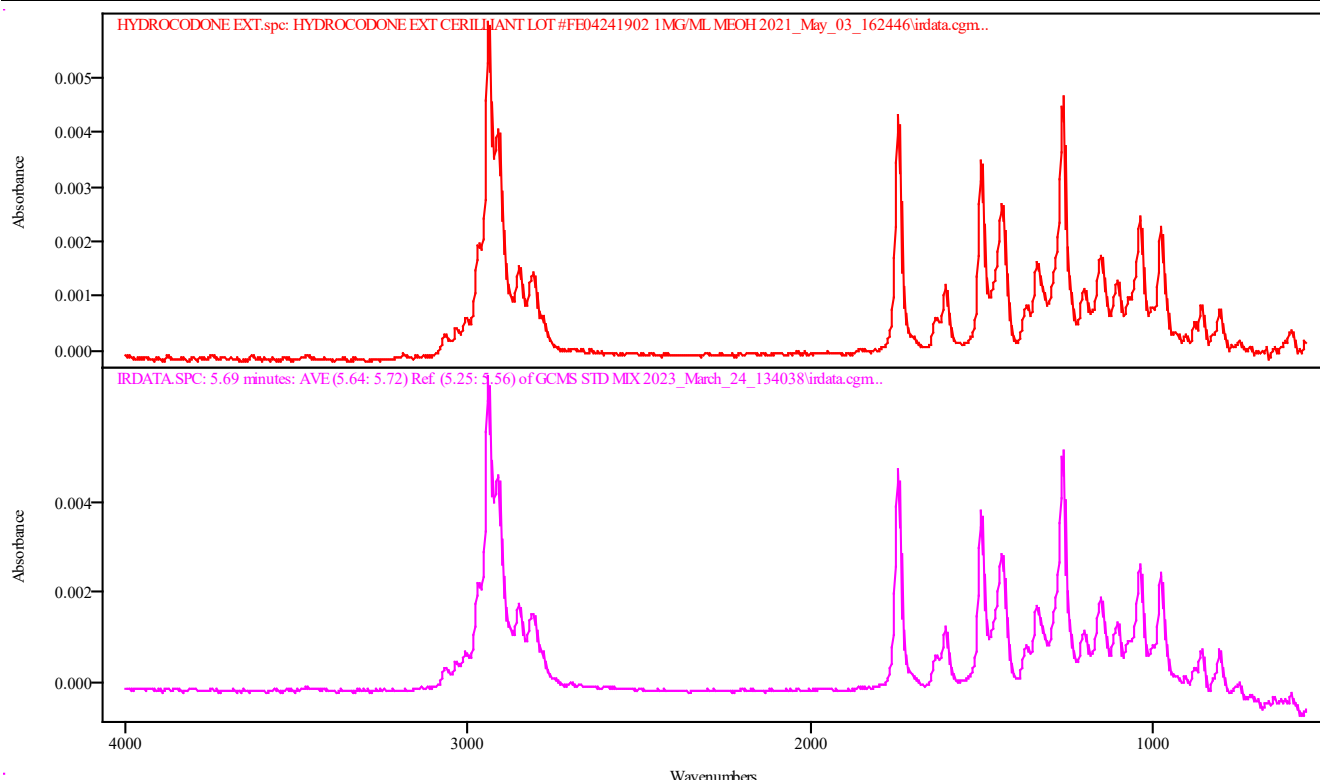


IRDATA.SPC: 4.57 minutes: AVE (4.55: 4.61) Ref. (4.30: 4.52) of GCMS STD MIX
2023_March_24_134038.cgm

COCAINE EXT.spc: COCAINE (BASE) EXT MERCK LOT# U7472 0.220 MG/ML MEOH
2021_March_17_203257\irdata.cgm

IRD Data Analysis Report

Data Filename	GCMS STD MIX 2023_March_24_134038
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-24-23-STDs
IRD Method	IRD3 EXT
GC Method	120TO270.M
GC Vial	6
Sample Name	GCMS STD Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Fri Mar 24 13:54:30 2023
Date Processed	Fri Mar 24 14:04:32 2023



IRDATA.SPC: 5.69 minutes: AVE (5.64: 5.72) Ref. (5.25: 5.56) of GCMS STD MIX
2023_March_24_134038.cgm

HYDROCODONE EXT.spc: HYDROCODONE EXT CERILLIANT LOT #FE04241902 1MG/ML
MEOH 2021_May_03_162446\irdata.cgm

Method Information

Method: C:\Users\P...Documents\ChemStation\1\Methods\200TO270
(20MIN).M

Modified: 2/16/2023 at 10:48:24 AM

AUTOSAMPLE 200 TO 270C, HOLD FOR 1 MIN @200C, RAMP @70C PER MIN TO
270C. 20 MINUTE METHOD.

Method Audit Trail

Operator : SYSTEM
Date : 2/6/2020 4:02:24 PM
Change Info: This method was created at 2/6/2020 4:02:24 PM and based on
method
'C:\Users\Public\Documents\ChemStation\1\Methods\200TO270.M'

Operator : SYSTEM
Date : 2/6/2020 4:02:25 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/6/2020 4:03:32 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/19/2020 10:12:25 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 10/6/2020 12:55:44 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 1/25/2023 8:45:15 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/16/2023 10:39:07 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/16/2023 10:48:24 AM
Change Info: Method saved. User comment: ""

Run Time Checklist

Pre-Run Cmd/Macro: off

Data Acquisition: on

Standard Data Analysis: on
Modify Custom Fields: off
Customized Data Analysis: off
Save GLP Data: off
Post-Run Cmd/Macro: off
Save Method with Data: off

Injection Source and Location

Injection Source: GC Injector

Injection Location: Front

=====

Agilent 8890

=====

Module Type: GC
Module Name: Agilent 8890
GC

GC Summary

Run Time	20 min
Post Run Time	0 min

Oven

Temperature Setpoint	On
(Initial)	200 °C
Hold Time	1 min
Post Run	120 °C
Program	
#1 Rate	70 °C/min
#1 Value	270 °C
#1 Hold Time	18 min

Equilibration Time	1 min
Max Temperature	325 °C
Maximum Temperature Override	Disabled
Slow Fan	Disabled

ALS

Front Injector	
Syringe Size	10 µL
Injection Volume	1 µL
Solvent A Washes (PreInj)	3
Solvent A Washes (PostInj)	0
Solvent A Volume	8 µL

Solvent B Washes (PreInj)	3
Solvent B Washes (PostInj)	0
Solvent B Volume	8 µL
Sample Washes	1
Sample Wash Volume	8 µL
Sample Pumps	3
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	3000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	3000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Solvent Wash Mode	A, B
Sample Overlap	
Mode	Sample overlap is not enabled
Front SS Inlet He	
Mode	Split
Heater	On 250 °C
Pressure	On 12.775 psi
Total Flow	On 12 mL/min
Septum Purge Flow	On 3 mL/min
Pre-Run Flow Test	Off
Gas Saver	On 15 mL/min after 2 min
Split Ratio	2 :1
Split Flow	6 mL/min
Liner	A Liner has not been selected.
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	3 mL/min
Post Run	2 mL/min
Temperature Range	-60 °C–325 °C (325 °C)
Dimensions	15 m x 320 µm x 1 µm
(Uncalibrated)	
Column lock	Unlocked
In	Front SS Inlet He
Out	Other
(Initial)	200 °C
Pressure	12.775 psi
Flow	3 mL/min
Average Velocity	67.57 cm/sec
Holdup Time	0.36999 min
Control Mode	Constant Flow
Column Outlet Pressure	0 psi

Detector Evaluation	
Perform Detector Evaluation Test	Off
Signal Selected	No Signal Selected
Checkout Sample	None

Signals	
Signal #1: Test Plot	
Description	Test Plot
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Front Sample

Signal #2:	
Description	None

Signal #3:	
Description	None

Signal #4:	
Description	None

Signal #5:	
Description	None

Signal #6:	
Description	None

Signal #7:	
Description	None

Signal #8:	
Description	None

The Data Analysis Parameters of the used Method are :

```
=====
                        Integration Events
=====
```

```
-----
Non signal specific Integration Events
-----
```

Event	Value
-----	-----

Tangent Skim Mode	New Exponential
Tail Peak Skim Height Ratio	5.000
Front Peak Skim Height Ratio	5.000
Skim Valley Ratio	20.000
Baseline Correction	Advanced
Peak to Valley Ratio	500.000

Default Integration Event Table "Event"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_FID"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial

Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_NPD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_FPD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_uECD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_GC"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Apply Method's Manual Integration Events: No

=====
Specify Report
=====

Calculate: Area Percent
Do not use Multiplier & Dilution Factor with ISTDs

Use Sample Data from Data File
Report mode: Classic
Destination: File (Prefix: Report)
Destination File Types: No destination file types selected
Quantitative Results sorted by: Signal
Report Style: (None)
Sample info on each page: No
Add Chromatogram Output: No
Uncalibrated Peaks: Do Not Report

=====
Signal Options
=====

Include: Axes, Retention Times, Baselines, Tick Marks
Font: Arial, Size: 8

Ranges: Full
Multi Chromatograms: Separated, Each in full Scale

=====
Calibration Table
=====

General Calibration Setting

Calib. Data Modified :
Signals calculated separately : No

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Signal Details

Overview Table

No Entries in table

Identification Details Table

No Entries in table

Peak Sum Table

No Entries in table

Component Details Table

No Entries in table

Sample related custom fields

Custom Field	Type	Mand.	Default Value
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None defined

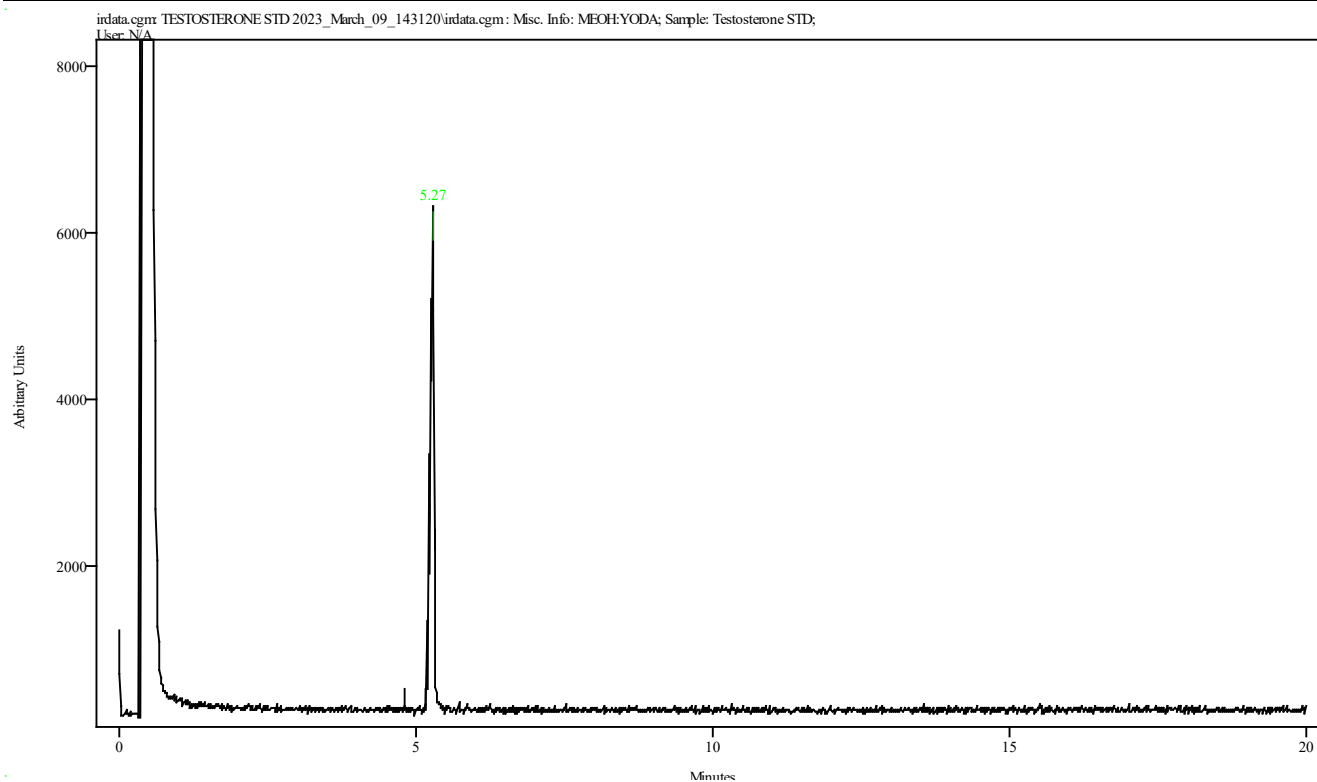
Compound related custom fields

Custom Field	Type	Mand.	Default Value
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None defined

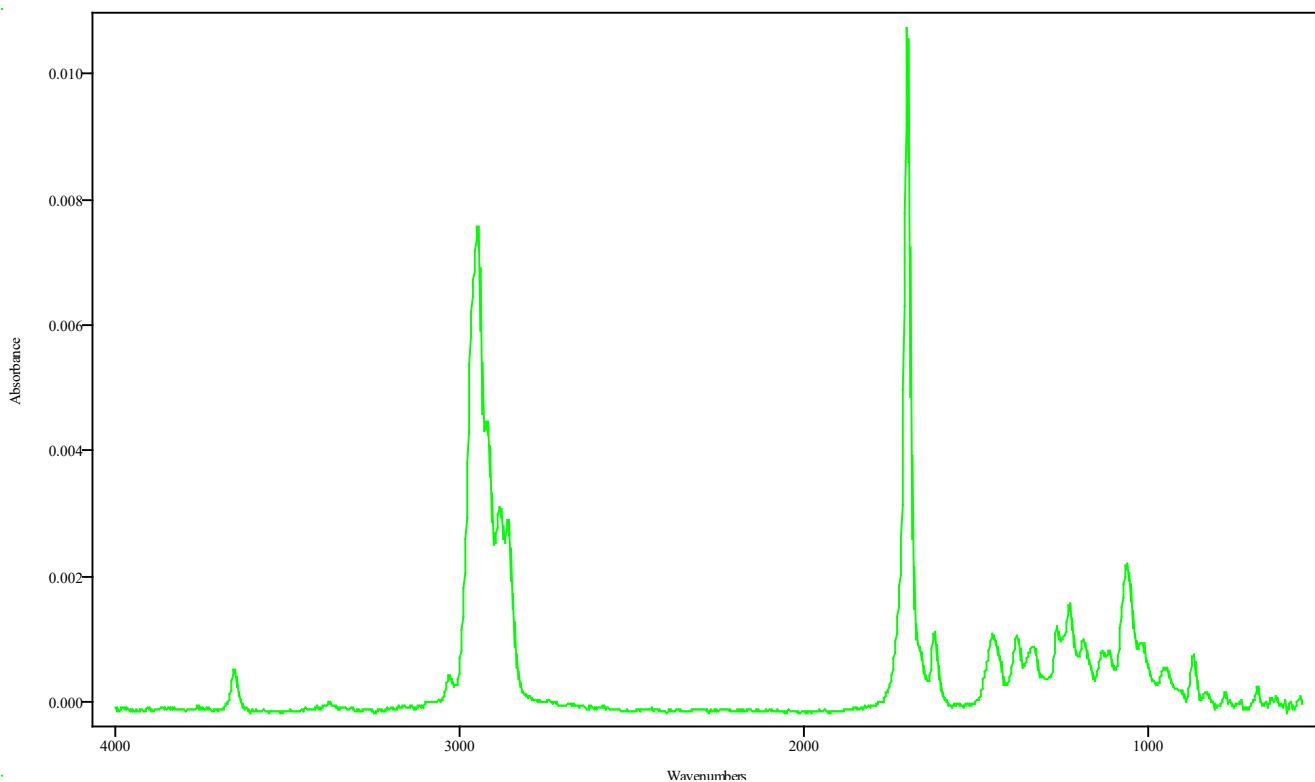
IRD Data Analysis Report

Data Filename	TESTOSTERONE STD 2023_March_09_143120
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-9-23-1
IRD Method	IRD3 EXT
GC Method	200TO270(20MIN).M
GC Vial	9
Sample Name	Testosterone STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Thu Mar 09 14:54:48 2023
Date Processed	Mon Mar 20 09:07:19 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
5.228	5.304	0.076	4.802	5.151

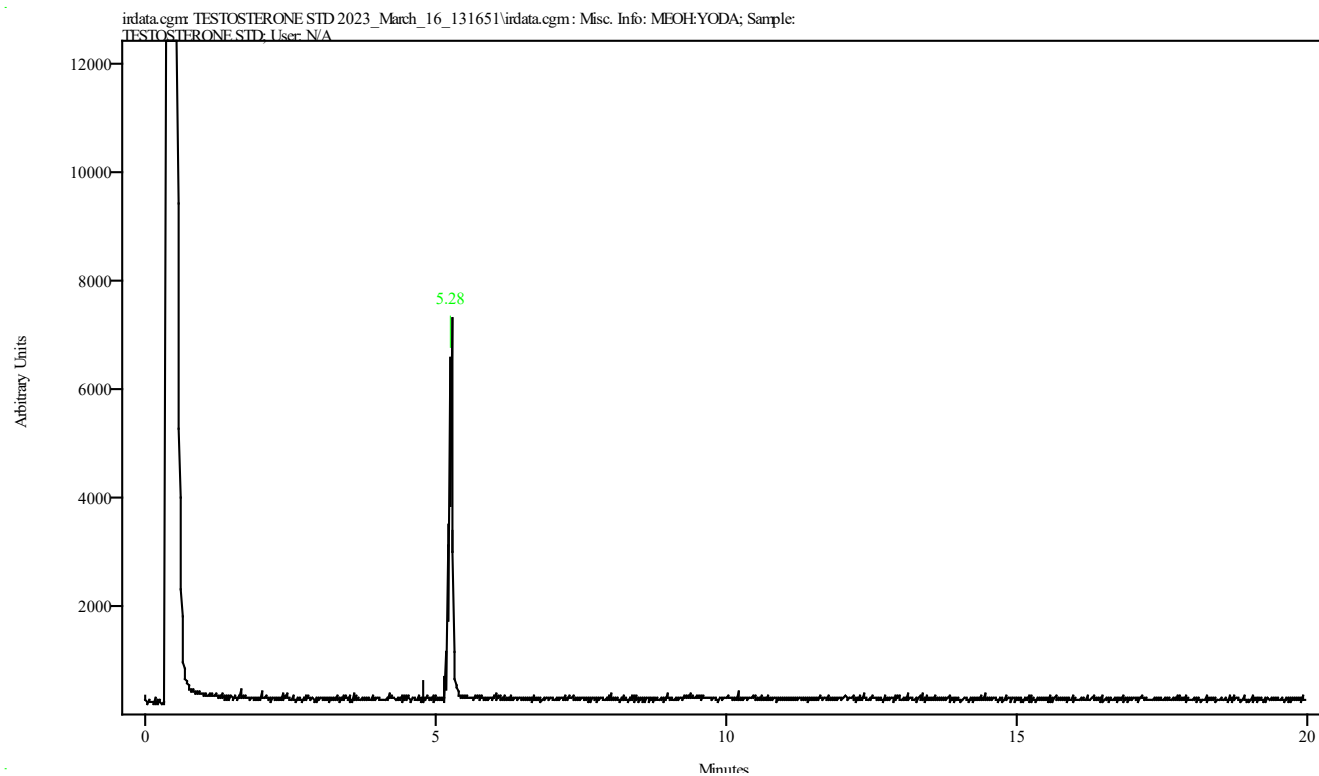
Data Filename	TESTOSTERONE STD 2023_March_09_143120
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-9-23-1
IRD Method	IRD3 EXT
GC Method	200TO270(20MIN).M
GC Vial	9
Sample Name	Testosterone STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Thu Mar 09 14:54:48 2023
Date Processed	Mon Mar 20 09:07:19 2023



IRDATA.SPC: 5.27 minutes: AVE (5.23: 5.30) Ref. (4.80: 5.15) of TESTOSTERONE STD
2023_March_09_143120.cgm

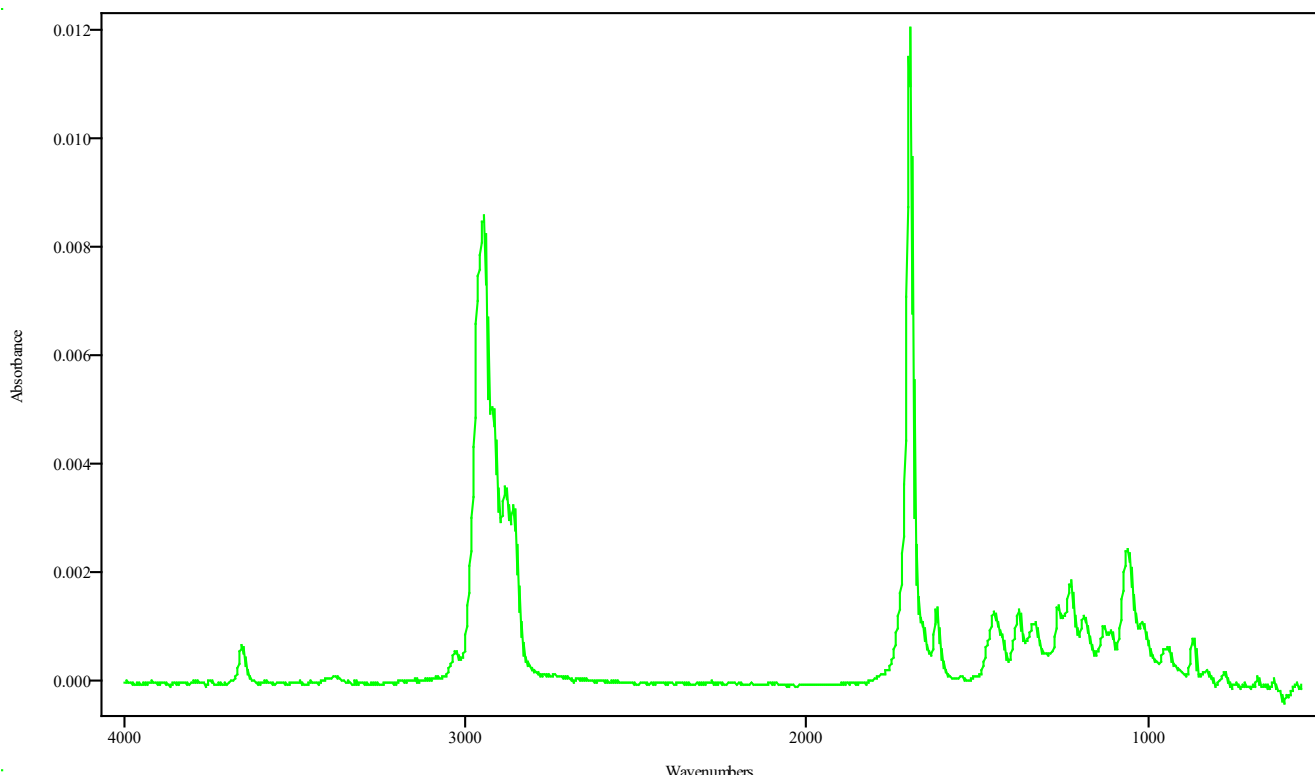
IRD Data Analysis Report

Data Filename	TESTOSTERONE STD 2023_March_16_131651
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-16-23-1
IRD Method	IRD3 EXT
GC Method	200TO270(20MIN).M
GC Vial	9
Sample Name	TESTOSTERONE STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Thu Mar 16 13:40:18 2023
Date Processed	Tue Mar 21 12:46:25 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
5.239	5.315	0.077	4.790	5.140

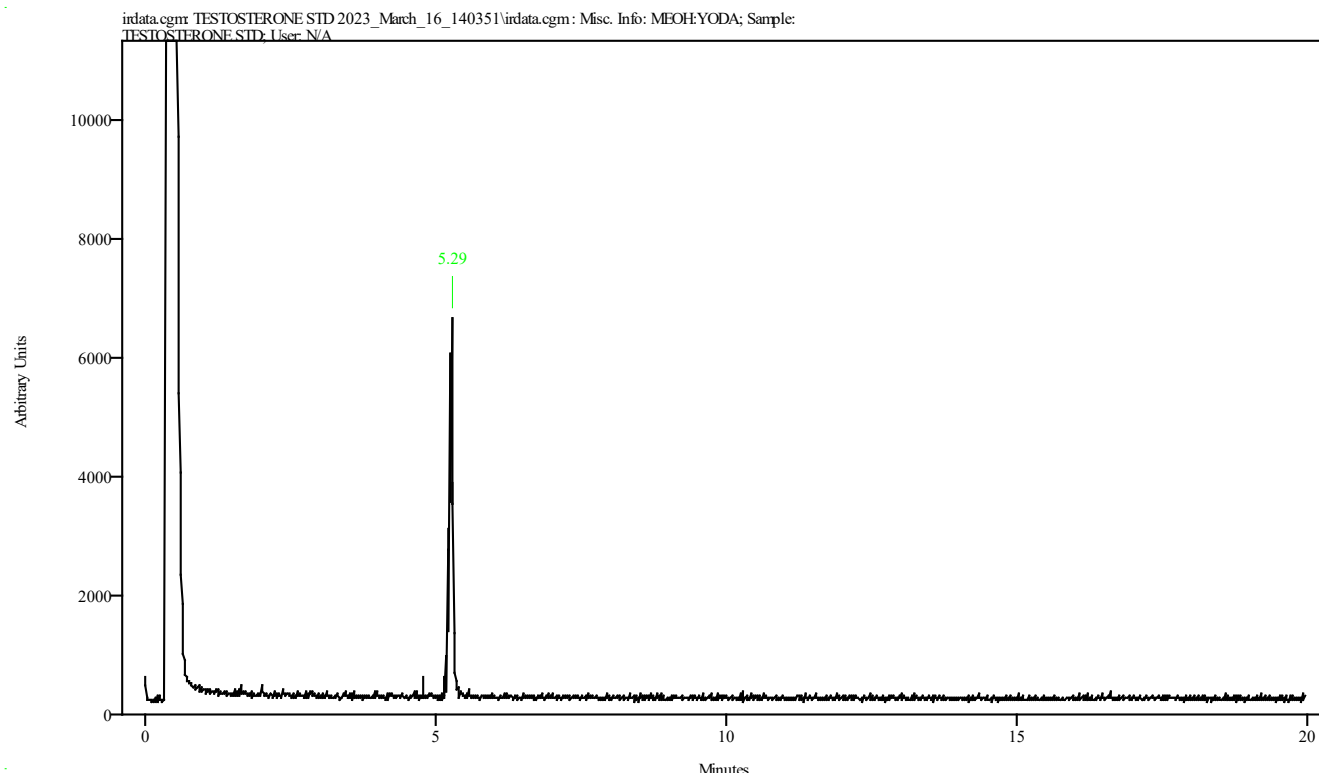
Data Filename	TESTOSTERONE STD 2023_March_16_131651
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-16-23-1
IRD Method	IRD3 EXT
GC Method	200TO270(20MIN).M
GC Vial	9
Sample Name	TESTOSTERONE STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Thu Mar 16 13:40:18 2023
Date Processed	Tue Mar 21 12:46:25 2023



IRDATA.SPC: 5.28 minutes: AVE (5.24: 5.32) Ref. (4.79: 5.14) of TESTOSTERONE STD
2023_March_16_131651.cgm

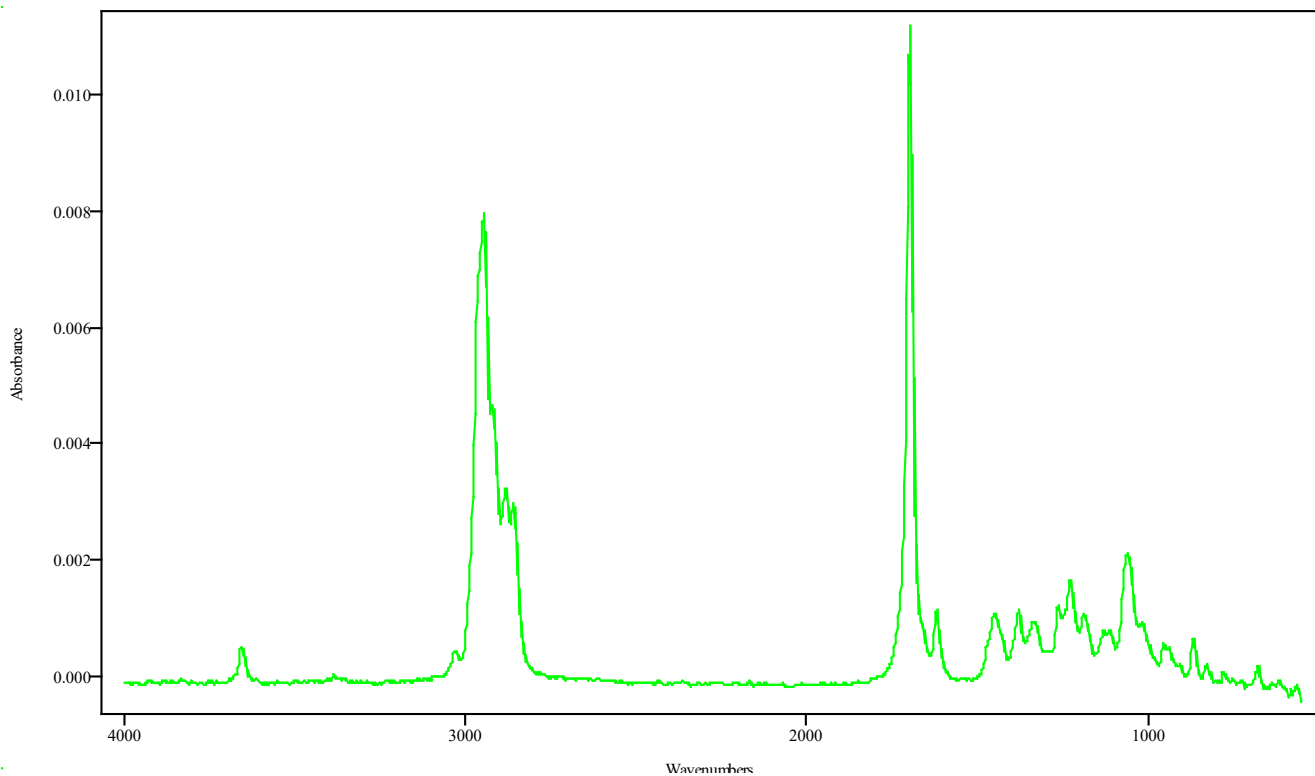
IRD Data Analysis Report

Data Filename	TESTOSTERONE STD 2023_March_16_140351
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-16-23-1
IRD Method	IRD3 EXT
GC Method	200TO270(20MIN).M
GC Vial	9
Sample Name	TESTOSTERONE STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Thu Mar 16 14:27:17 2023
Date Processed	Tue Mar 21 12:47:34 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
5.239	5.315	0.076	4.802	5.151

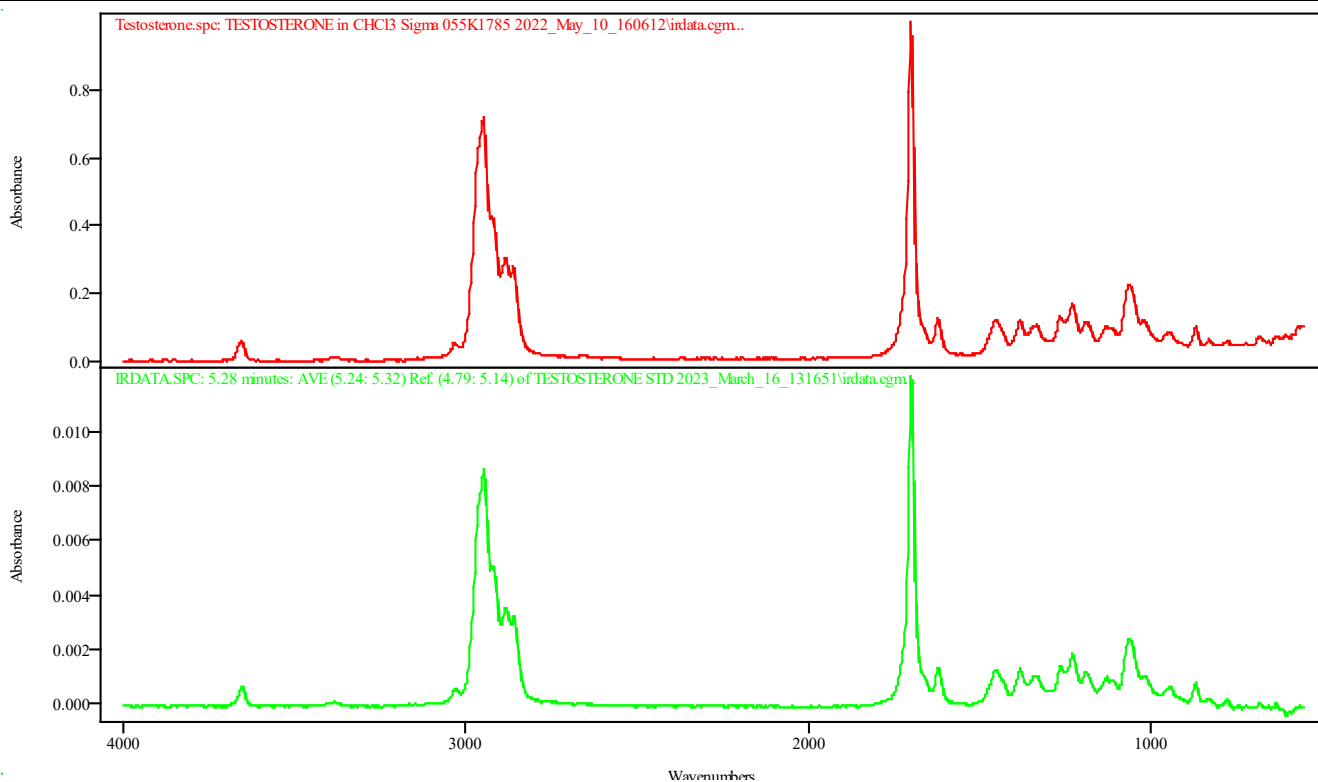
Data Filename	TESTOSTERONE STD 2023_March_16_140351
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-16-23-1
IRD Method	IRD3 EXT
GC Method	200TO270(20MIN).M
GC Vial	9
Sample Name	TESTOSTERONE STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Thu Mar 16 14:27:17 2023
Date Processed	Tue Mar 21 12:47:34 2023



IRDATA.SPC: 5.29 minutes: AVE (5.24: 5.32) Ref. (4.80: 5.15) of TESTOSTERONE STD
2023_March_16_140351.cgm

IRD Data Analysis Report

Data Filename	TESTOSTERONE STD 2023_March_16_131651
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-16-23-1
IRD Method	IRD3 EXT
GC Method	200TO270(20MIN).M
GC Vial	9
Sample Name	TESTOSTERONE STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Thu Mar 16 13:40:18 2023
Date Processed	Mon Apr 03 10:11:31 2023



IRDATA.SPC: 5.28 minutes: AVE (5.24: 5.32) Ref. (4.79: 5.14) of TESTOSTERONE STD 2023_March_16_131651.cgm

Testosterone.spc: TESTOSTERONE in CHCl3 Sigma 055K1785 2022_May_10_160612\irdata.cgm

Method Information

Method: C:\Users\Public\Documents\ChemStation\1\Methods\200TO270.M
Modified: 2/16/2023 at 10:50:20 AM

AUTOSAMPLE 200 TO 270C, HOLD FOR 1 MIN @200C, RAMP @70C PER MIN TO
270C. 10 MINUTE METHOD.

Method Audit Trail

Operator : SYSTEM
Date : 2/6/2020 3:41:07 PM
Change Info: This method was created at 2/6/2020 3:41:07 PM and based on
method
'C:\Users\Public\Documents\ChemStation\1\Methods\120TO270.M'

Operator : SYSTEM
Date : 2/6/2020 3:41:08 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/6/2020 3:43:52 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/19/2020 10:09:16 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 10/6/2020 12:55:26 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 1/25/2023 8:33:23 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/16/2023 10:40:22 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/16/2023 10:50:20 AM
Change Info: Method saved. User comment: ""

Run Time Checklist

Pre-Run Cmd/Macro: off

Data Acquisition: on

Standard Data Analysis: on
Modify Custom Fields: off
Customized Data Analysis: off
Save GLP Data: off
Post-Run Cmd/Macro: off
Save Method with Data: off

Injection Source and Location

Injection Source: GC Injector
Injection Location: Front

Agilent 8890

Module Type: GC
Module Name: Agilent 8890

GC

GC Summary

Run Time	10 min
Post Run Time	0 min

Oven

Temperature

Setpoint	On
(Initial)	200 °C
Hold Time	1 min
Post Run	120 °C

Program

#1 Rate	70 °C/min
#1 Value	270 °C
#1 Hold Time	8 min

Equilibration Time	1 min
Max Temperature	325 °C
Maximum Temperature Override	Disabled
Slow Fan	Disabled

ALS

Front Injector

Syringe Size	10 µL
Injection Volume	1 µL
Solvent A Washes (PreInj)	3
Solvent A Washes (PostInj)	0
Solvent A Volume	8 µL
Solvent B Washes (PreInj)	3

Solvent B Washes (PostInj)	0
Solvent B Volume	8 µL
Sample Washes	1
Sample Wash Volume	8 µL
Sample Pumps	3
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	3000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	3000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Solvent Wash Mode	A, B
Sample Overlap	
Mode	Sample overlap is not enabled
Front SS Inlet He	
Mode	Split
Heater	On 250 °C
Pressure	On 12.775 psi
Total Flow	On 12 mL/min
Septum Purge Flow	On 3 mL/min
Pre-Run Flow Test	Off
Gas Saver	On 15 mL/min after 2 min
Split Ratio	2 :1
Split Flow	6 mL/min
Liner	A Liner has not been selected.
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	3 mL/min
Post Run	2 mL/min
Temperature Range	-60 °C–325 °C (325 °C)
Dimensions	15 m x 320 µm x 1 µm
(Uncalibrated)	
Column lock	Unlocked
In	Front SS Inlet He
Out	Other
(Initial)	200 °C
Pressure	12.775 psi
Flow	3 mL/min
Average Velocity	67.57 cm/sec
Holdup Time	0.36999 min
Control Mode	Constant Flow
Column Outlet Pressure	0 psi
Detector Evaluation	

Perform Detector Evaluation Test	Off
Signal Selected	No Signal Selected
Checkout Sample	None

Signals

Signal #1: Test Plot	
Description	Test Plot
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Front Sample

Signal #2:	
Description	None

Signal #3:	
Description	None

Signal #4:	
Description	None

Signal #5:	
Description	None

Signal #6:	
Description	None

Signal #7:	
Description	None

Signal #8:	
Description	None

The Data Analysis Parameters of the used Method are :

```
=====
                        Integration Events
=====
```

```
-----
Non signal specific Integration Events
-----
```

Event	Value
Tangent Skim Mode	New Exponential

Tail Peak Skim Height Ratio	5.000
Front Peak Skim Height Ratio	5.000
Skim Valley Ratio	20.000
Baseline Correction	Advanced
Peak to Valley Ratio	500.000

Default Integration Event Table "Event"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_FID"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_NPD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_FPD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_uECD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Solvent Peak Slope 0.000 0.000

Detector Default Integration Event Table "Event_GC"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Apply Method's Manual Integration Events: No

Specify Report

Calculate: Area Percent
Do not use Multiplier & Dilution Factor with ISTDs

Use Sample Data from Data File
Report mode: Classic
Destination: File (Prefix: Report)
Destination File Types: No destination file types selected
Quantitative Results sorted by: Signal
Report Style: (None)
Sample info on each page: No
Add Chromatogram Output: No
Uncalibrated Peaks: Do Not Report

Signal Options

Include: Axes, Retention Times, Baselines, Tick Marks
Font: Arial, Size: 8

Ranges: Full
Multi Chromatograms: Separated, Each in full Scale

Calibration Table

General Calibration Setting

Calib. Data Modified :
Signals calculated separately : No

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Signal Details

Overview Table

No Entries in table

Identification Details Table

No Entries in table

Peak Sum Table

No Entries in table

Component Details Table

No Entries in table

=====

Sample related custom fields

=====

Custom Field	Type	Mand.	Default Value
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None defined

=====

Compound related custom fields

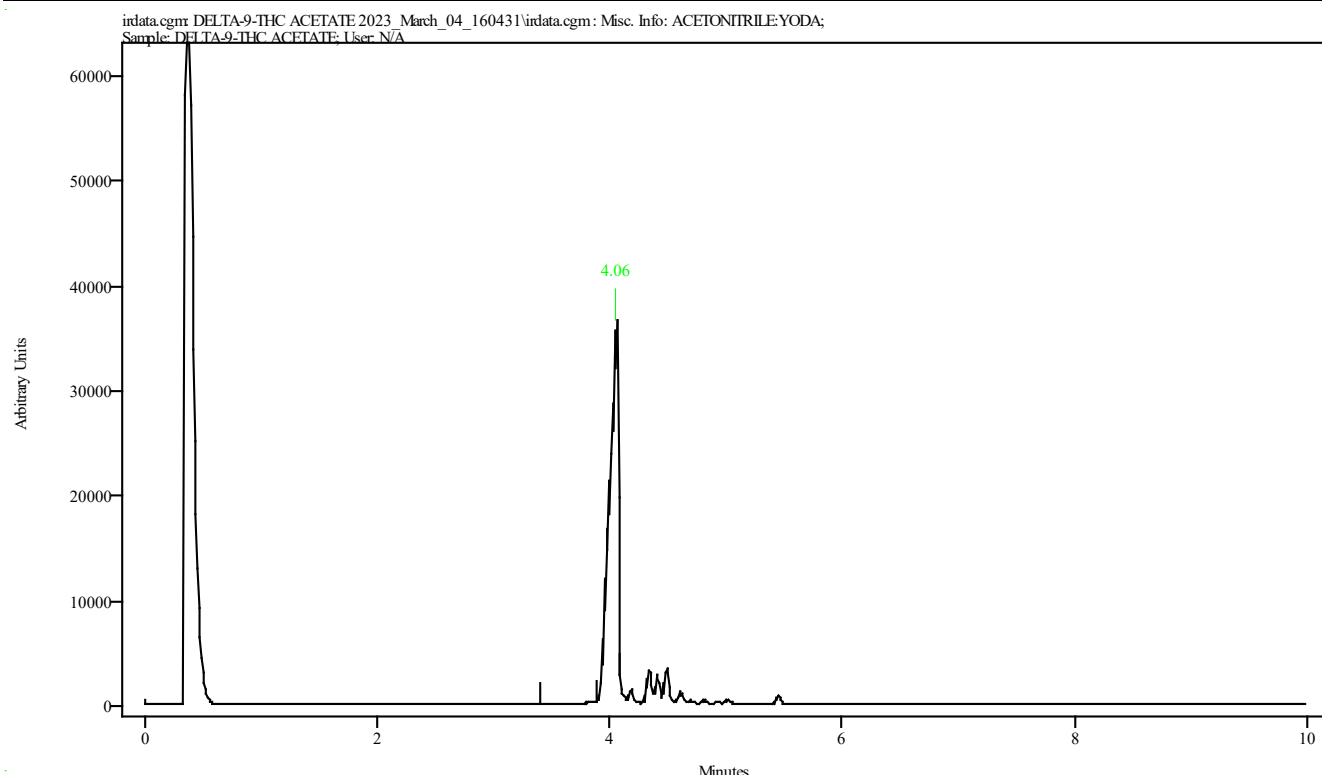
=====

Custom Field	Type	Mand.	Default Value
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None defined

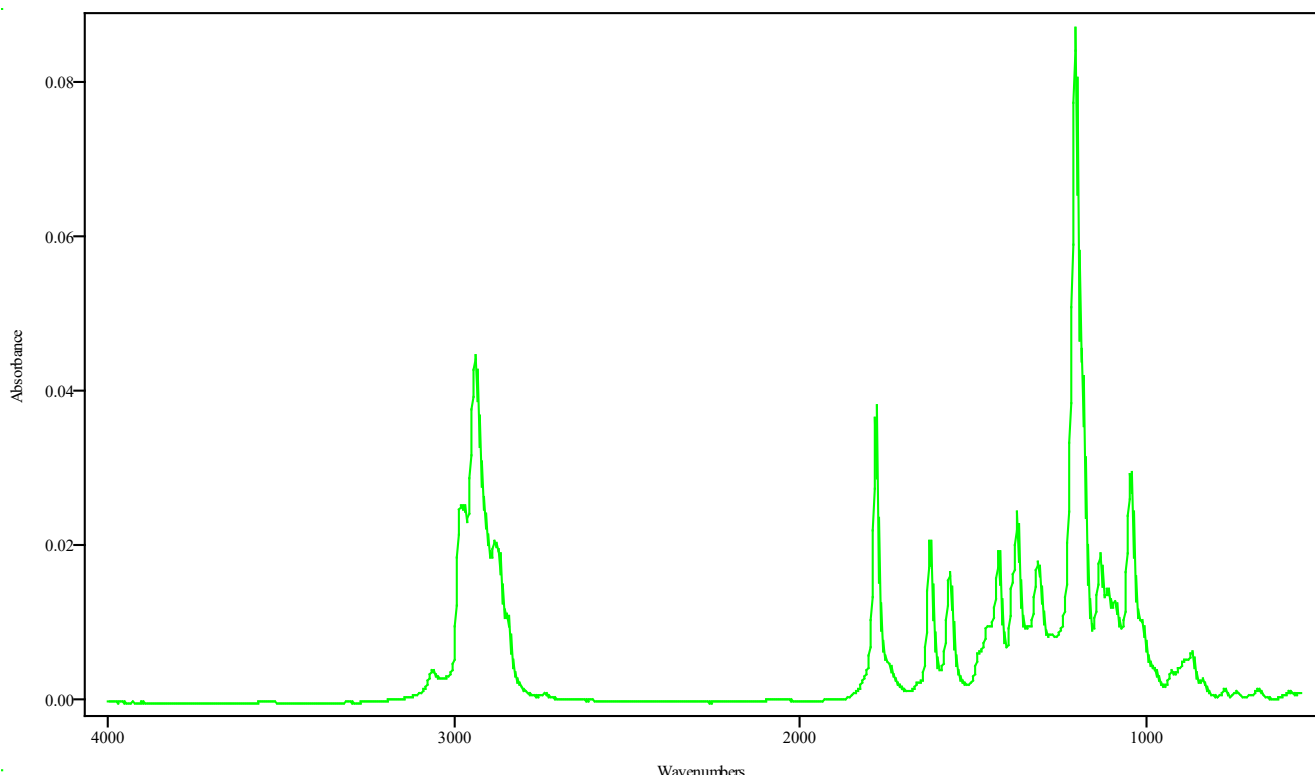
IRD Data Analysis Report

Data Filename	DELTA-9-THC ACETATE 2023_March_04_160431
Data Path	C:/ASAP DATA/YODA 2023/Validation/Split methods-3-4-23-1
IRD Method	IRD3 EXT
GC Method	200TO270.M
GC Vial	7
Sample Name	DELTA-9-THC ACETATE
Misc. Info	ACETONITRILE:YODA
User ID	N/A
Injection Time	Sat Mar 04 16:17:58 2023
Date Processed	Tue Mar 21 13:02:12 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.982	4.091	0.109	3.404	3.884

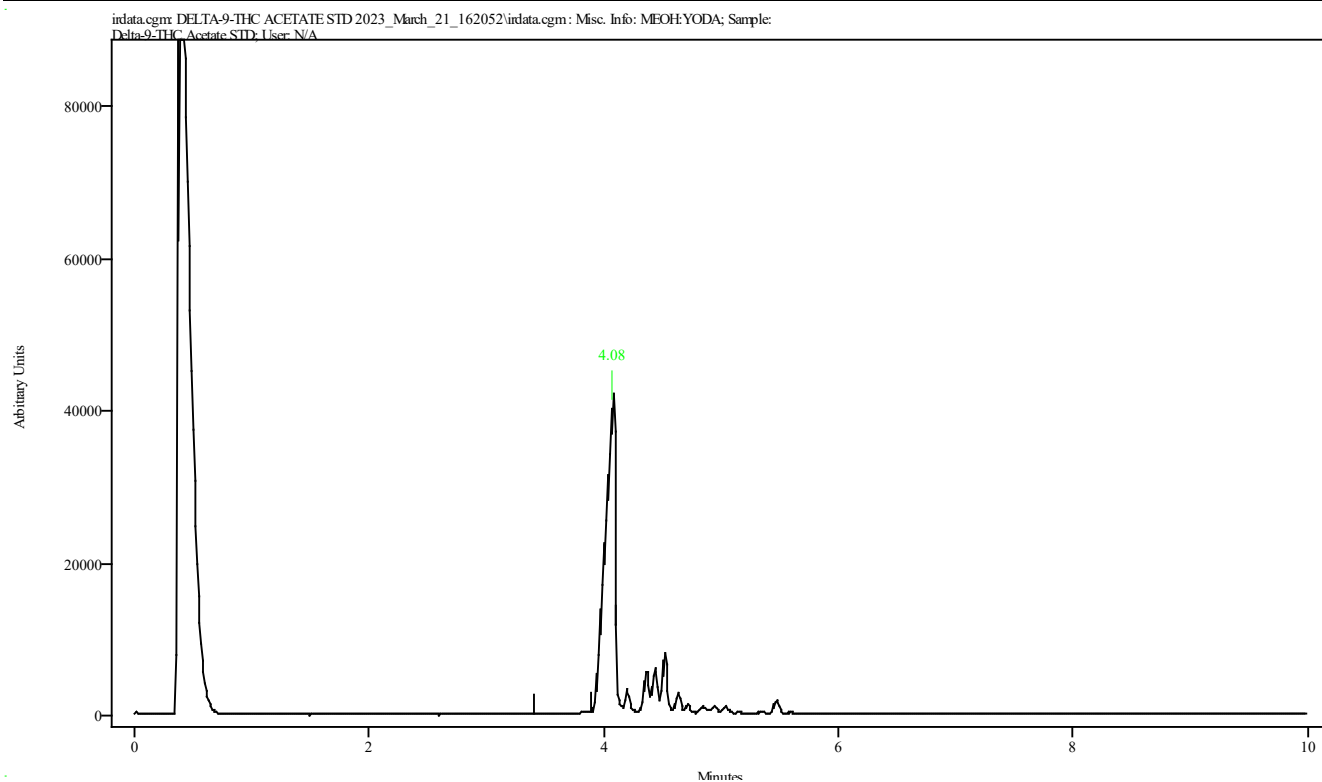
Data Filename	DELTA-9-THC ACETATE 2023_March_04_160431
Data Path	C:/ASAP DATA/YODA 2023/Validation/Split methods-3-4-23-1
IRD Method	IRD3 EXT
GC Method	200TO270.M
GC Vial	7
Sample Name	DELTA-9-THC ACETATE
Misc. Info	ACETONITRILE:YODA
User ID	N/A
Injection Time	Sat Mar 04 16:17:58 2023
Date Processed	Tue Mar 21 13:02:12 2023



IRDATA.SPC: 4.06 minutes: AVE (3.98: 4.09) Ref. (3.40: 3.88) of DELTA-9-THC ACETATE
2023_March_04_160431.cgm

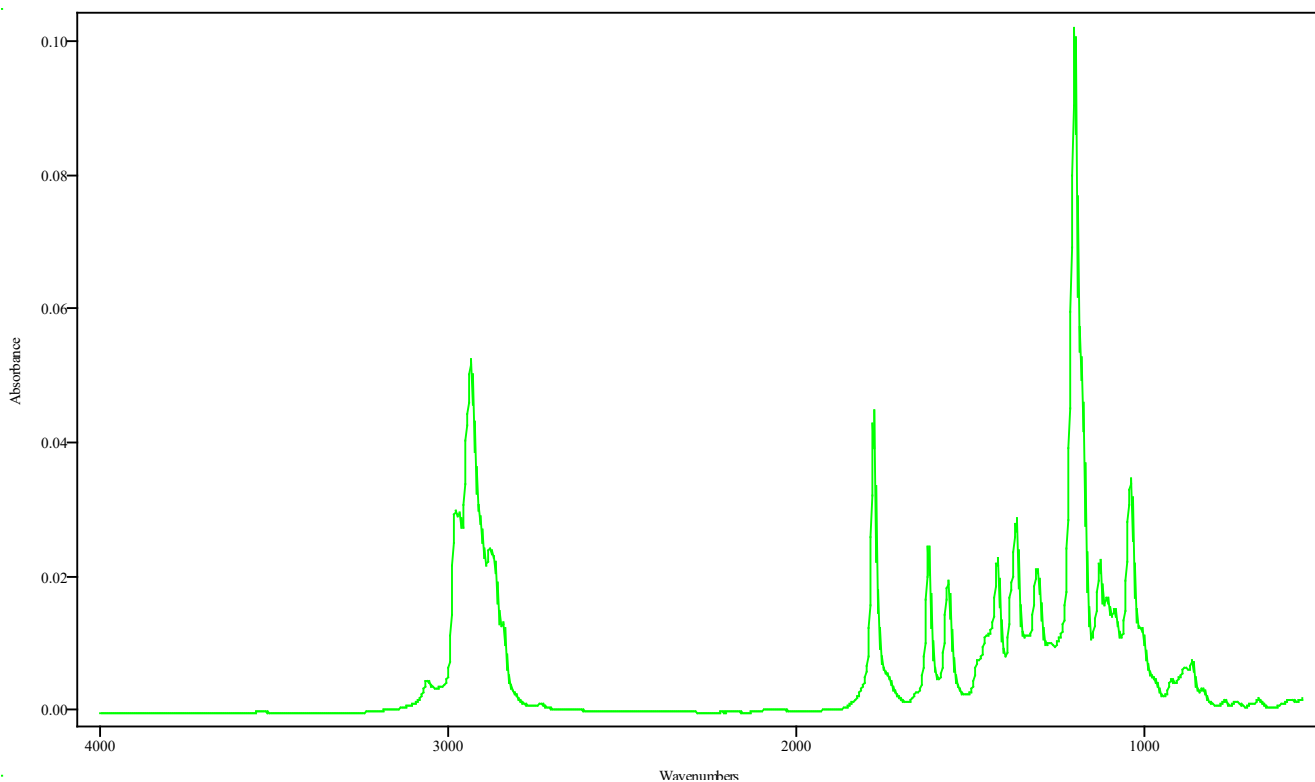
IRD Data Analysis Report

Data Filename	DELTA-9-THC ACETATE STD 2023_March_21_162052
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-21-23-STDs
IRD Method	IRD3 EXT
GC Method	200TO270.M
GC Vial	7
Sample Name	Delta-9-THC Acetate STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Mar 21 16:34:22 2023
Date Processed	Wed Mar 22 10:06:16 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
4.000	4.110	0.109	3.410	3.891

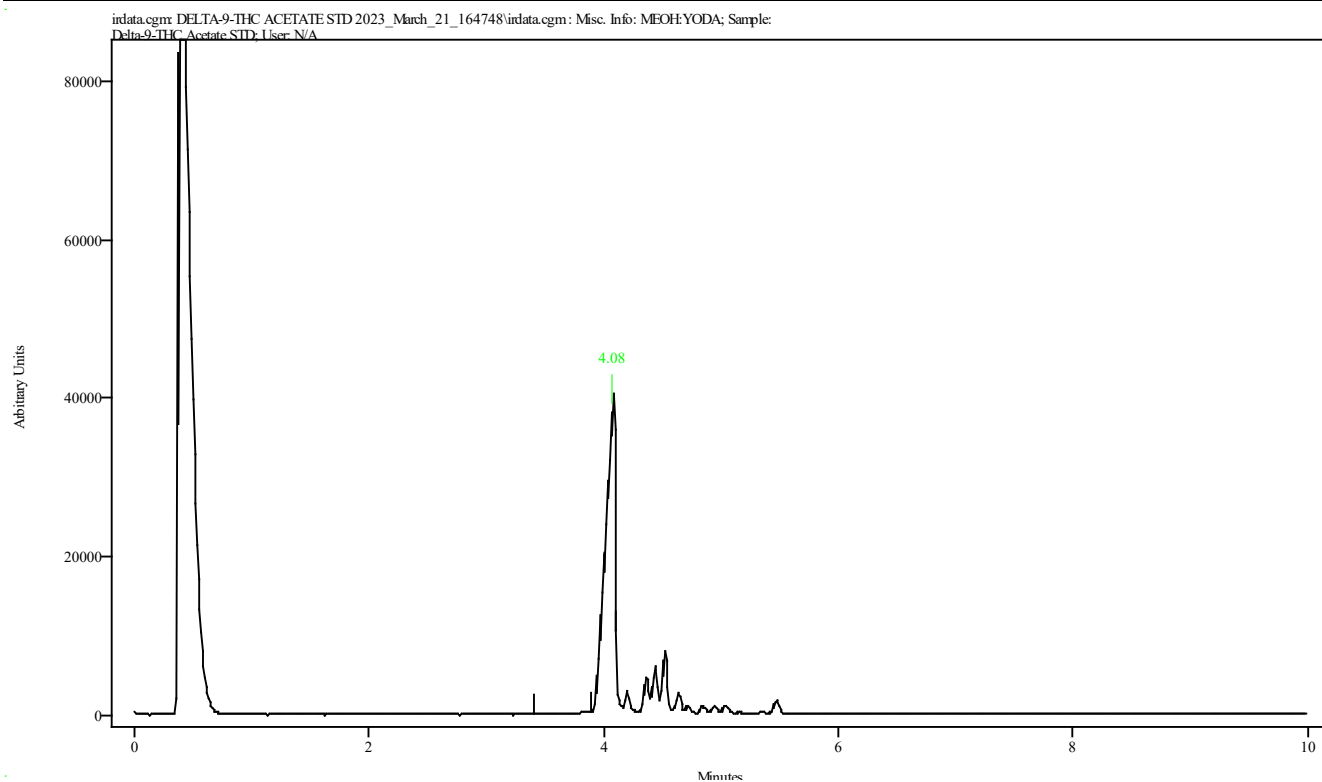
Data Filename	DELTA-9-THC ACETATE STD 2023_March_21_162052
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-21-23-STDs
IRD Method	IRD3 EXT
GC Method	200TO270.M
GC Vial	7
Sample Name	Delta-9-THC Acetate STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Mar 21 16:34:22 2023
Date Processed	Wed Mar 22 10:06:16 2023



IRDATA.SPC: 4.08 minutes: AVE (4.00: 4.11) Ref. (3.41: 3.89) of DELTA-9-THC ACETATE STD 2023_March_21_162052.cgm

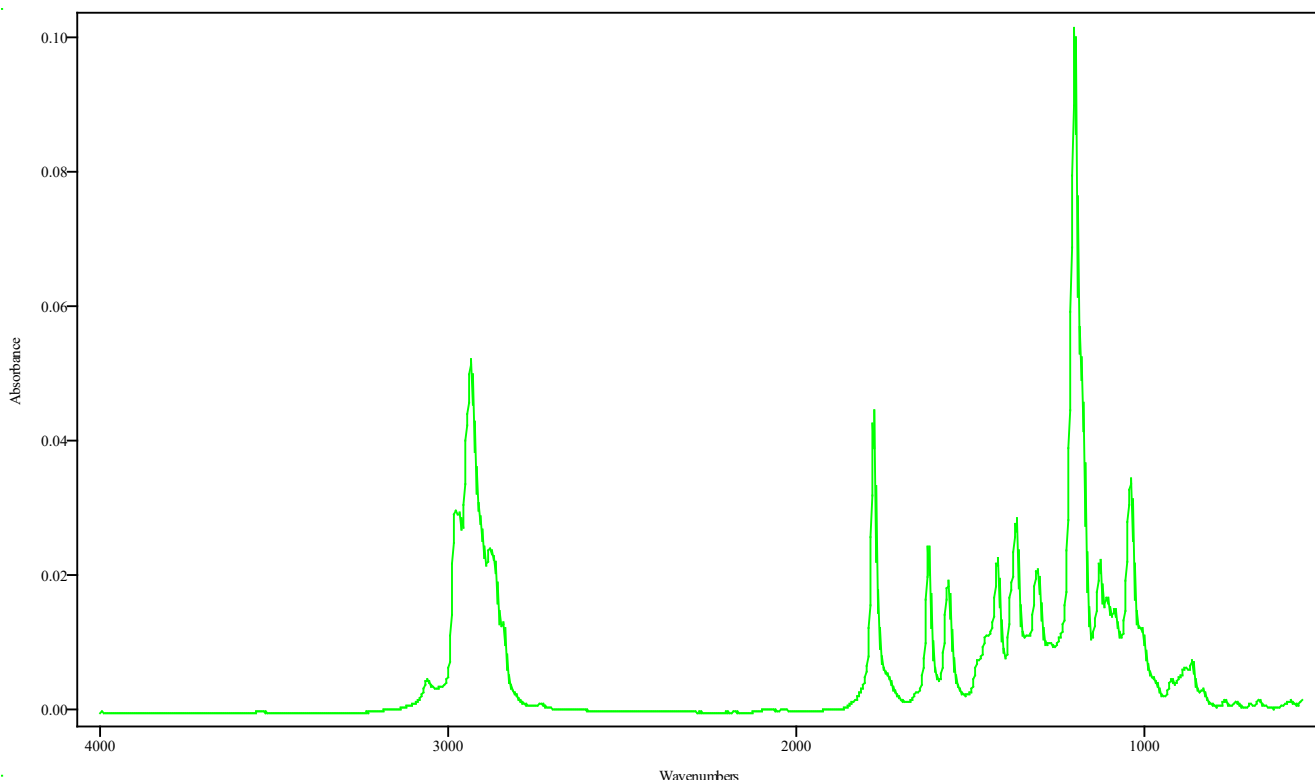
IRD Data Analysis Report

Data Filename	DELTA-9-THC ACETATE STD 2023_March_21_164748
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-21-23-STDs
IRD Method	IRD3 EXT
GC Method	200TO270.M
GC Vial	7
Sample Name	Delta-9-THC Acetate STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Mar 21 17:01:13 2023
Date Processed	Wed Mar 22 10:09:15 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
4.000	4.109	0.109	3.410	3.890

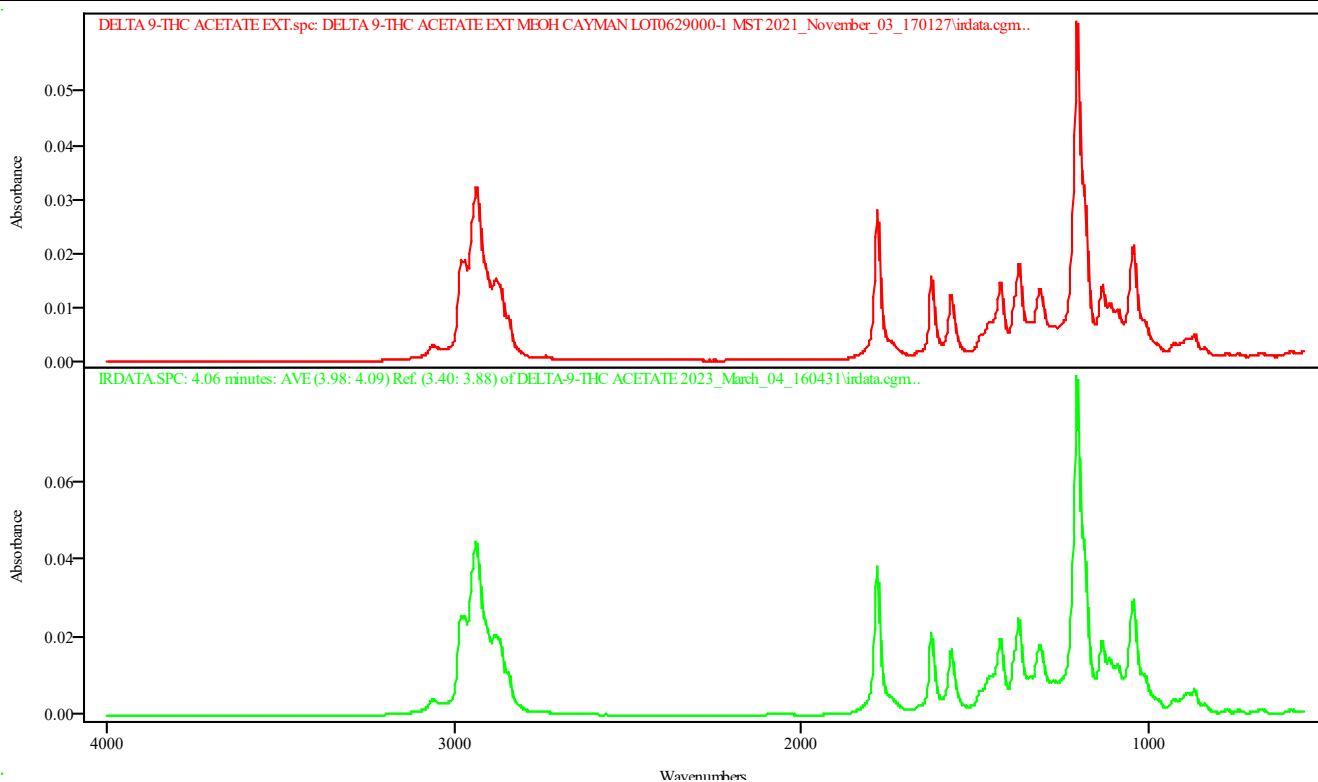
Data Filename	DELTA-9-THC ACETATE STD 2023_March_21_164748
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-21-23-STDs
IRD Method	IRD3 EXT
GC Method	200TO270.M
GC Vial	7
Sample Name	Delta-9-THC Acetate STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Mar 21 17:01:13 2023
Date Processed	Wed Mar 22 10:09:15 2023



IRDATA.SPC: 4.08 minutes: AVE (4.00: 4.11) Ref. (3.41: 3.89) of DELTA-9-THC ACETATE STD 2023_March_21_164748.cgm

IRD Data Analysis Report

Data Filename	DELTA-9-THC ACETATE 2023_March_04_160431
Data Path	C:/ASAP DATA/YODA 2023/Validation/Split methods-3-4-23-1
IRD Method	IRD3 EXT
GC Method	200TO270.M
GC Vial	7
Sample Name	DELTA-9-THC ACETATE
Misc. Info	ACETONITRILE:YODA
User ID	N/A
Injection Time	Sat Mar 04 16:17:58 2023
Date Processed	Mon Apr 03 10:31:12 2023



IRDATA.SPC: 4.06 minutes: AVE (3.98: 4.09) Ref. (3.40: 3.88) of DELTA-9-THC ACETATE 2023_March_04_160431.cgm

DELTA 9-THC ACETATE EXT.spc: DELTA 9-THC ACETATE EXT MEOH CAYMAN LOT0629000-1 MST 2021_November_03_170127\irdata.cgm

Method Information

Method: C:\Users\P...c\Documents\ChemStation\1\Methods\ISO270
(20MIN).M
Modified: 2/17/2023 at 12:23:12 PM

AUTOSAMPLE ISO270C, HOLD FOR 20 MIN @270C, 20 MINUTE METHOD.

Method Audit Trail

Operator : SYSTEM
Date : 2/6/2020 1:26:34 PM
Change Info: This method was created at 2/6/2020 1:26:34 PM and based on
method
'C:\USERS\PUBLIC\DOCUMENTS\CHEMSTATION\1\METHODS\ISO270
(30MIN).M'

Operator : SYSTEM
Date : 2/6/2020 1:26:35 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/6/2020 3:50:33 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/19/2020 10:13:05 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 10/6/2020 3:50:34 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/16/2023 10:44:51 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/16/2023 10:52:04 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/17/2023 12:23:12 PM
Change Info: Method saved. User comment: ""

Run Time Checklist

Pre-Run Cmd/Macro: off

Data Acquisition: on

Standard Data Analysis: on

Modify Custom Fields: off

Customized Data Analysis: off

Save GLP Data: off

Post-Run Cmd/Macro: off

Save Method with Data: off

Injection Source and Location

Injection Source: GC Injector

Injection Location: Front

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Agilent 8890

=====

Module Type: GC

Module Name: Agilent 8890

GC

GC Summary

Run Time 20 min

Post Run Time 0 min

Oven

Temperature

Setpoint On

(Initial) 270 °C

Hold Time 20 min

Post Run 120 °C

Equilibration Time 1 min

Max Temperature 325 °C

Maximum Temperature Override Disabled

Slow Fan Disabled

ALS

Front Injector

Syringe Size 10 µL

Injection Volume 1 µL

Solvent A Washes (PreInj) 3

Solvent A Washes (PostInj) 0

Solvent A Volume 8 µL

Solvent B Washes (PreInj) 3

Solvent B Washes (PostInj) 0

Solvent B Volume 8 µL

Sample Washes 1

Sample Wash Volume 8 µL

Sample Pumps	3
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	3000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	3000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Solvent Wash Mode	A, B
Sample Overlap	
Mode	Sample overlap is not enabled
Front SS Inlet He	
Mode	Split
Heater	On 250 °C
Pressure	On 15.224 psi
Total Flow	On 12 mL/min
Septum Purge Flow	On 3 mL/min
Pre-Run Flow Test	Off
Gas Saver	On 15 mL/min after 2 min
Split Ratio	2 :1
Split Flow	6 mL/min
Liner	A Liner has not been selected.
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	3 mL/min
Post Run	2 mL/min
Temperature Range	-60 °C–325 °C (325 °C)
Dimensions	15 m x 320 µm x 1 µm
(Uncalibrated)	
Column lock	Unlocked
In	Front SS Inlet He
Out	Other
(Initial)	270 °C
Pressure	15.224 psi
Flow	3 mL/min
Average Velocity	72.73 cm/sec
Holdup Time	0.34374 min
Control Mode	Constant Flow
Column Outlet Pressure	0 psi
Detector Evaluation	
Perform Detector Evaluation Test	Off
Signal Selected	Signal #1: Diagnostics: Test
Plot {50 Hz}	
Checkout Sample	None

Signals	
Signal #1:	Test Plot
Description	Test Plot
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #2:	
Description	None
Signal #3:	
Description	None
Signal #4:	
Description	None
Signal #5:	
Description	None
Signal #6:	
Description	None
Signal #7:	
Description	None
Signal #8:	
Description	None

The Data Analysis Parameters of the used Method are :

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=====
                        Integration Events
=====
```

```
-----
                        Non signal specific Integration Events
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```

Event	Value
Tangent Skim Mode	New Exponential
Tail Peak Skim Height Ratio	5.000
Front Peak Skim Height Ratio	5.000
Skim Valley Ratio	20.000

Baseline Correction
Peak to Valley Ratio

Advanced
500.000

Default Integration Event Table "Event"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_FID"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_NPD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_FPD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_uECD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_GC"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Apply Method's Manual Integration Events: No

Specify Report

Calculate: Area Percent
 Do not use Multiplier & Dilution Factor with ISTDs

Use Sample Data from Data File

Report mode: Classic
 Destination: File (Prefix: Report)
 Destination File Types: No destination file types selected
 Quantitative Results sorted by: Signal
 Report Style: (None)
 Sample info on each page: No
 Add Chromatogram Output: No
 Uncalibrated Peaks: Do Not Report

Signal Options

Include: Axes, Retention Times, Baselines, Tick Marks
 Font: Arial, Size: 8

Ranges: Full
 Multi Chromatograms: Separated, Each in full Scale

Calibration Table

General Calibration Setting

Calib. Data Modified :

Signals calculated separately : No

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
 Calibration Table after Recalibration
 Normal Report after Recalibration
If the sequence is done with bracketing:
 Results of first cycle (ending previous bracket)

Signal Details

Overview Table

No Entries in table

Identification Details Table

No Entries in table

Peak Sum Table

No Entries in table

Component Details Table

No Entries in table

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Sample related custom fields			
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Custom Field	Type	Mand.	Default Value
None defined			

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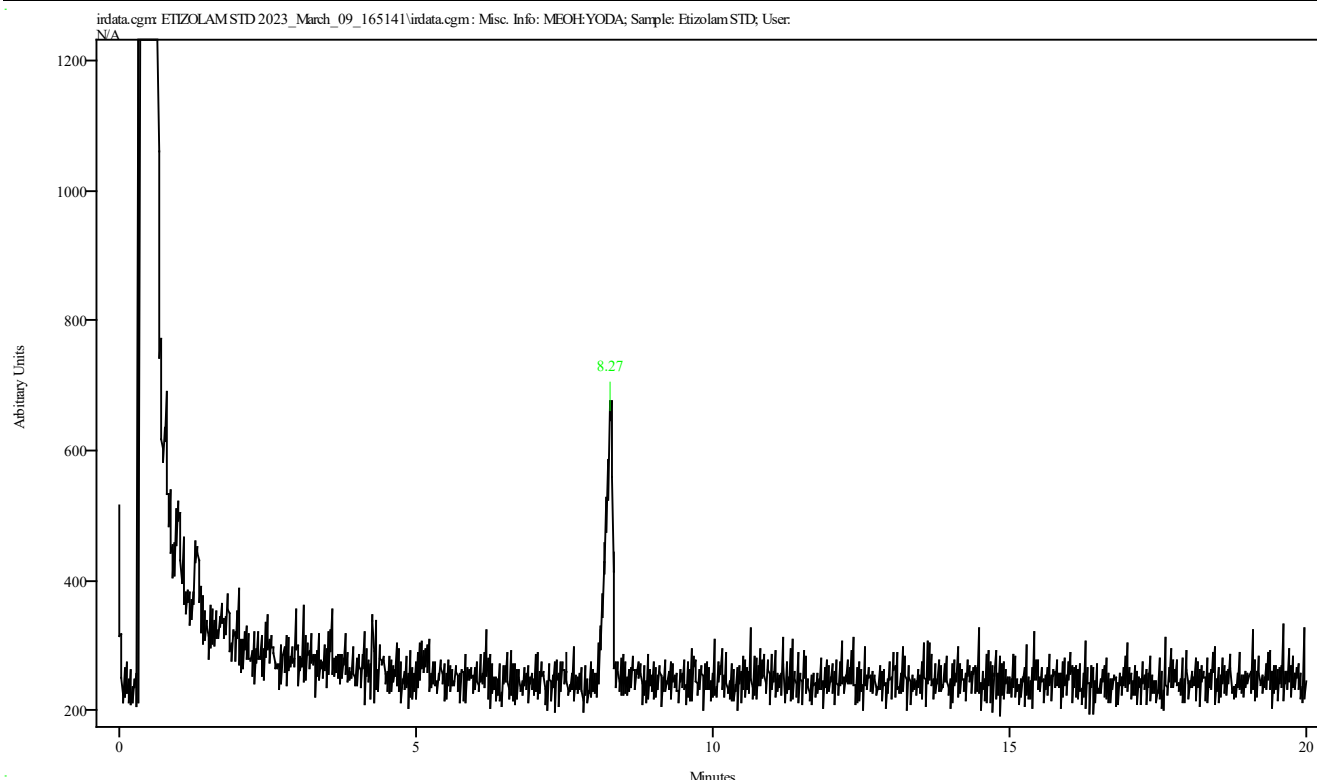
Compound related custom fields			
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Custom Field	Type	Mand.	Default Value
None defined			

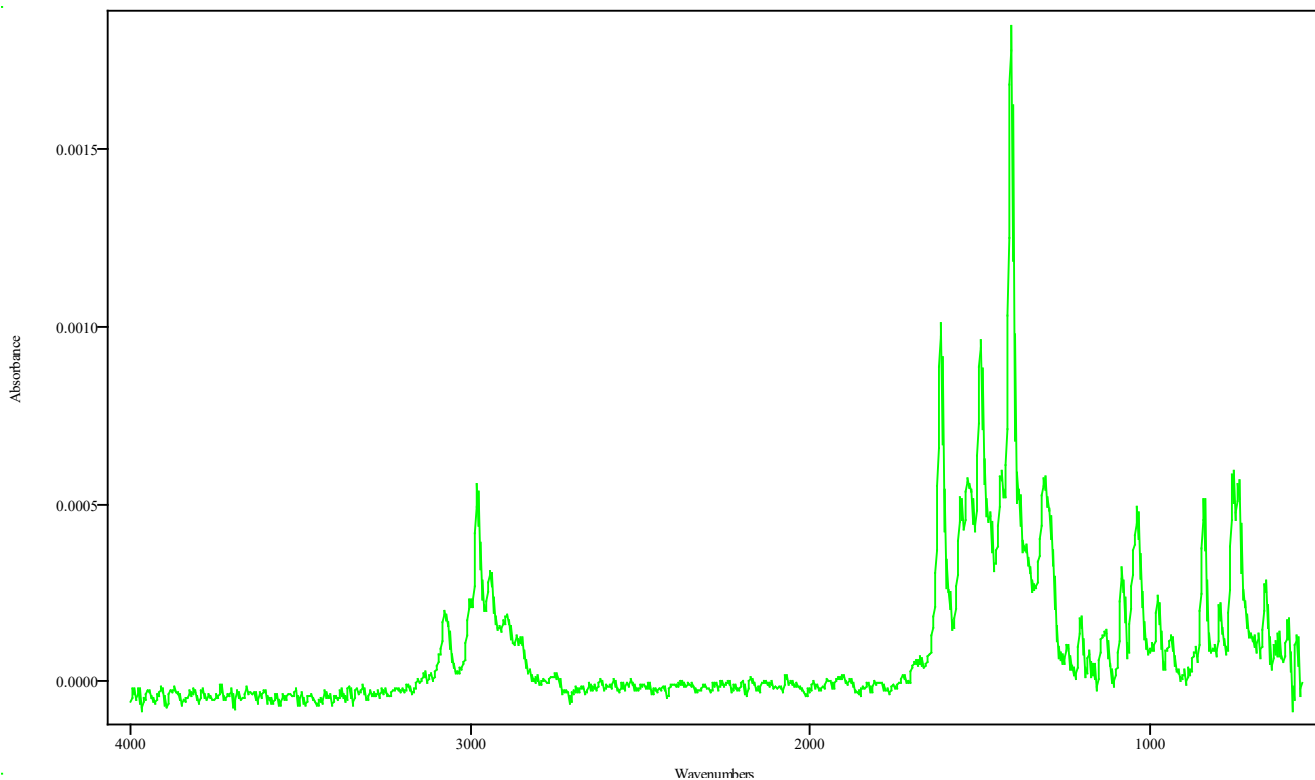
IRD Data Analysis Report

Data Filename	ETIZOLAM STD 2023_March_09_165141
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-9-23-1
IRD Method	IRD3 EXT
GC Method	ISO270(20MIN).M
GC Vial	10
Sample Name	Etizolam STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Thu Mar 09 17:14:17 2023
Date Processed	Mon Mar 20 09:14:22 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
8.184	8.315	0.131	7.540	8.107

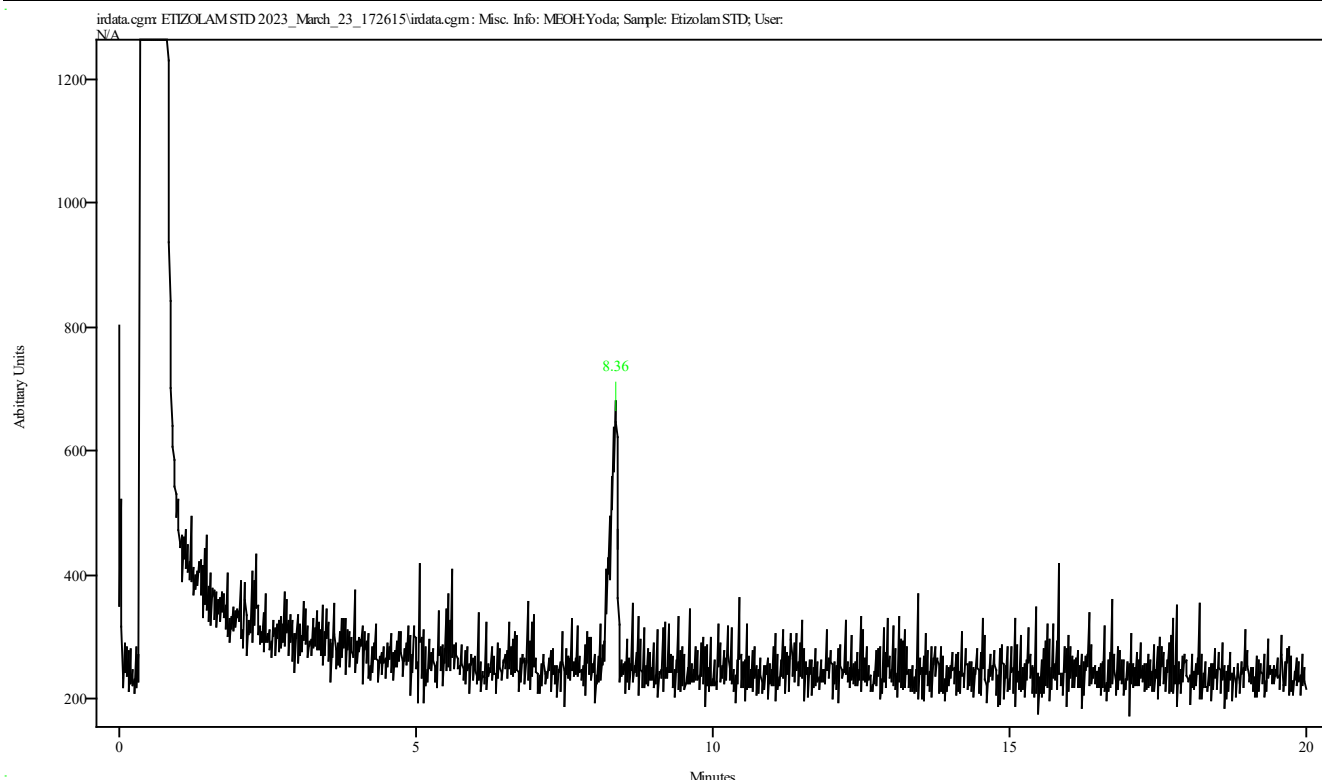
Data Filename	ETIZOLAM STD 2023_March_09_165141
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-9-23-1
IRD Method	IRD3 EXT
GC Method	ISO270(20MIN).M
GC Vial	10
Sample Name	Etizolam STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Thu Mar 09 17:14:17 2023
Date Processed	Mon Mar 20 09:14:22 2023



IRDATA.SPC: 8.27 minutes: AVE (8.18: 8.31) Ref. (7.54: 8.11) of ETIZOLAM STD
2023_March_09_165141.cgm

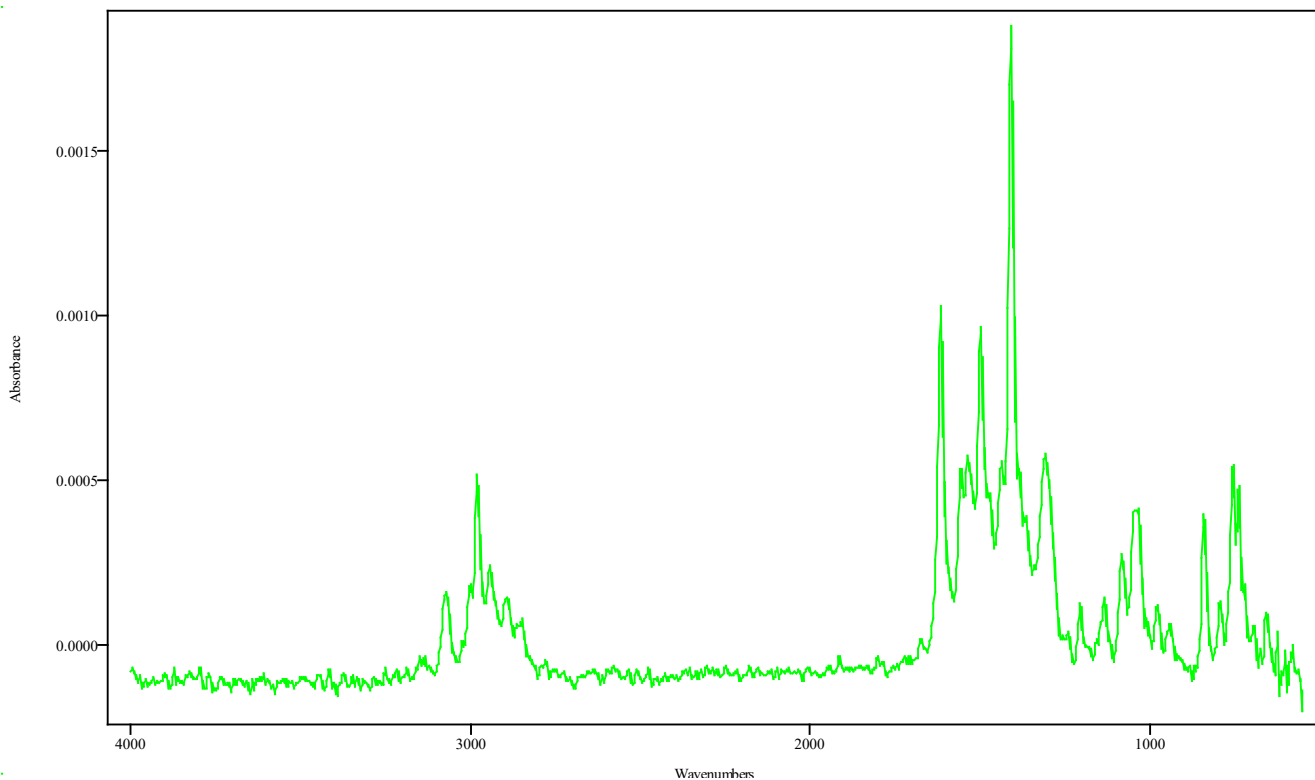
IRD Data Analysis Report

Data Filename	ETIZOLAM STD 2023_March_23_172615
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-23-23- STDs
IRD Method	IRD3 EXT
GC Method	ISO270(20MIN).M
GC Vial	10
Sample Name	Etizolam STD
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Thu Mar 23 17:48:53 2023
Date Processed	Fri Mar 24 10:09:35 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
8.261	8.392	0.131	7.572	8.141

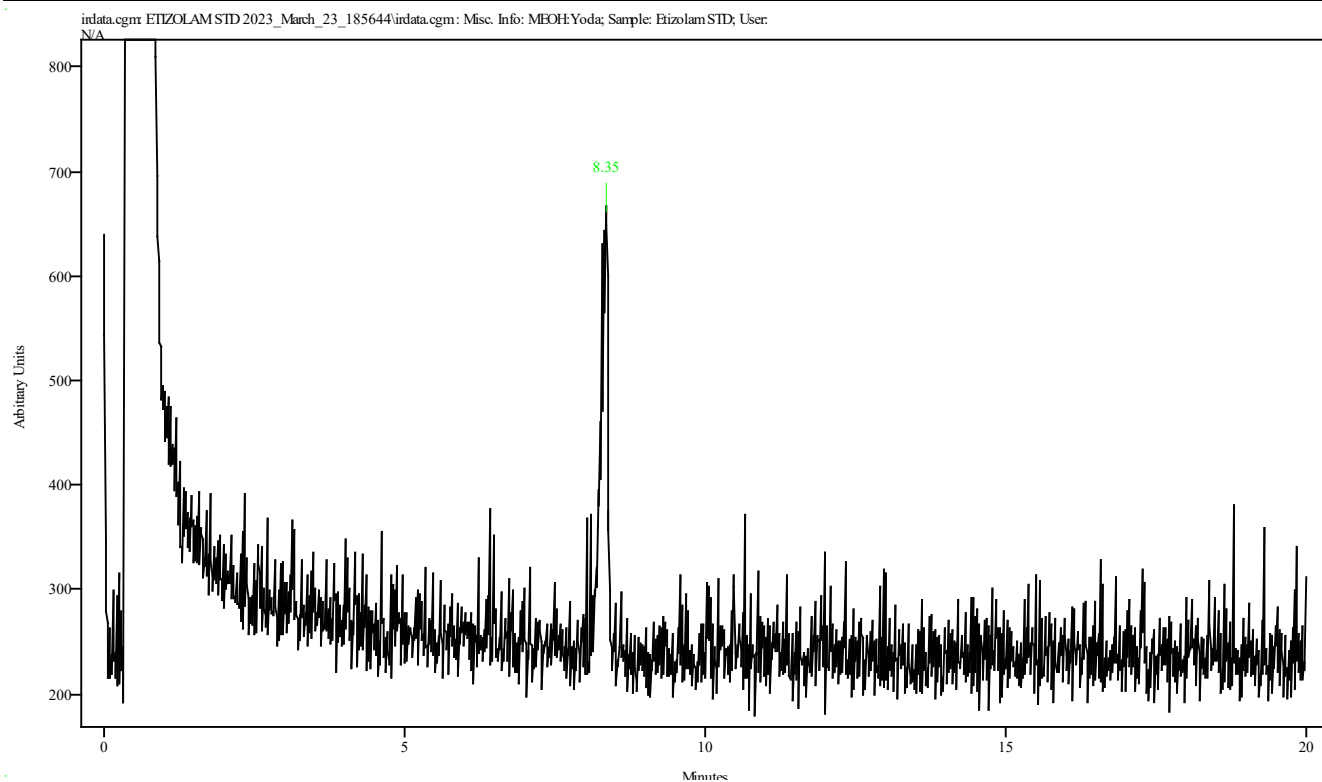
Data Filename	ETIZOLAM STD 2023_March_23_172615
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-23-23- STDs
IRD Method	IRD3 EXT
GC Method	ISO270(20MIN).M
GC Vial	10
Sample Name	Etizolam STD
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Thu Mar 23 17:48:53 2023
Date Processed	Fri Mar 24 10:09:35 2023



IRDATA.SPC: 8.36 minutes: AVE (8.26: 8.39) Ref. (7.57: 8.14) of ETIZOLAM STD
2023_March_23_172615.cgm

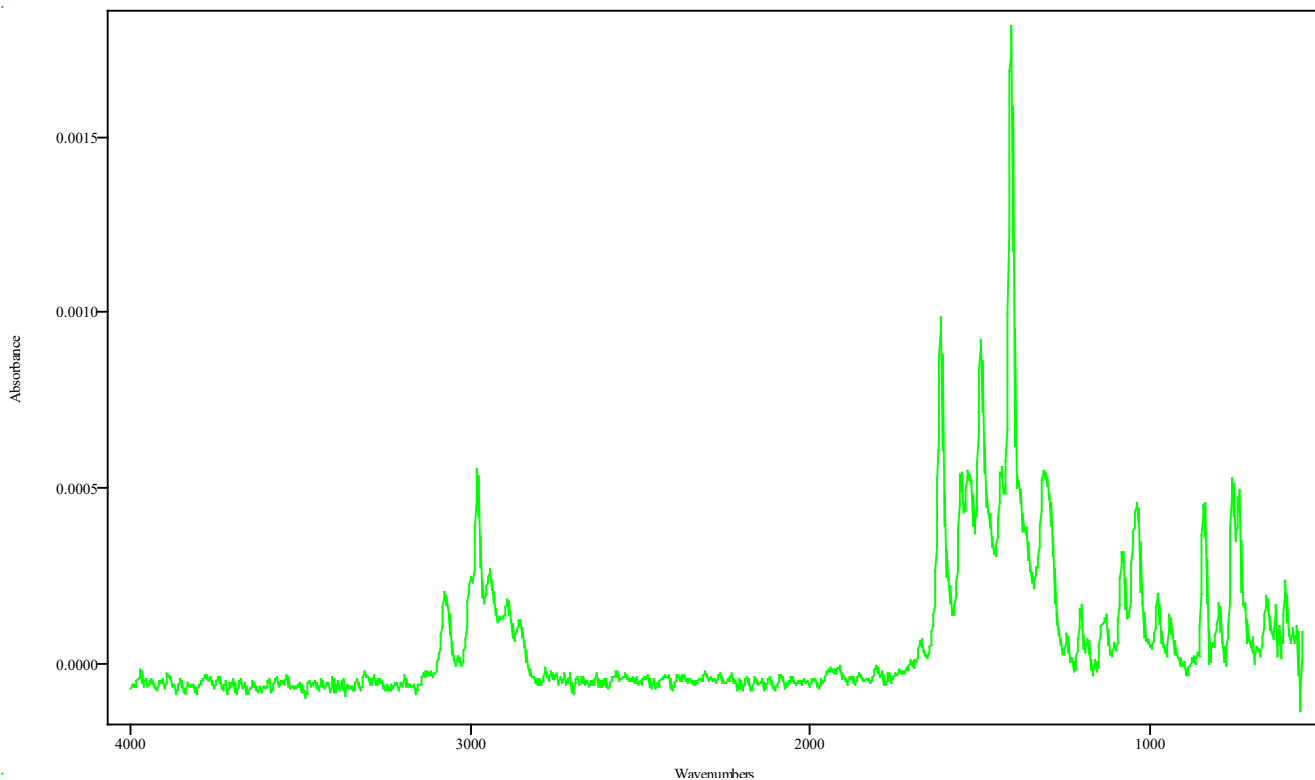
IRD Data Analysis Report

Data Filename	ETIZOLAM STD 2023_March_23_185644
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-23-23- STDs
IRD Method	IRD3 EXT
GC Method	ISO270(20MIN).M
GC Vial	10
Sample Name	Etizolam STD
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Thu Mar 23 19:19:18 2023
Date Processed	Fri Mar 24 10:15:04 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
8.273	8.393	0.120	7.662	8.186

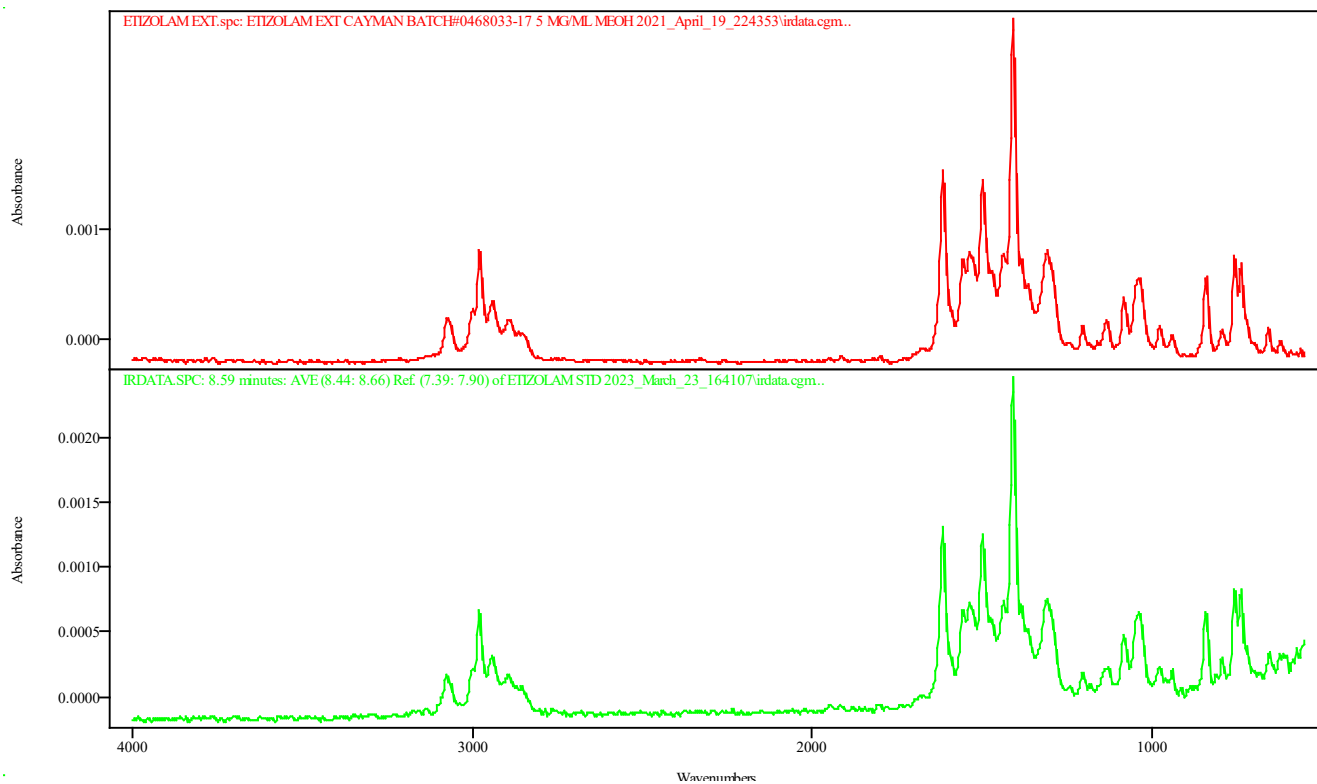
Data Filename	ETIZOLAM STD 2023_March_23_185644
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-23-23- STDs
IRD Method	IRD3 EXT
GC Method	ISO270(20MIN).M
GC Vial	10
Sample Name	Etizolam STD
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Thu Mar 23 19:19:18 2023
Date Processed	Fri Mar 24 10:15:04 2023



IRDATA.SPC: 8.35 minutes: AVE (8.27: 8.39) Ref. (7.66: 8.19) of ETIZOLAM STD
2023_March_23_185644.cgm

IRD Data Analysis Report

Data Filename	ETIZOLAM STD 2023_March_23_164107
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-23-23- STDs
IRD Method	IRD3 EXT
GC Method	SLISO270(20MIN).M
GC Vial	10
Sample Name	Etizolam STD
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Thu Mar 23 17:03:41 2023
Date Processed	Fri Apr 14 09:01:46 2023



IRDATA.SPC: 8.59 minutes: AVE (8.44: 8.66) Ref. (7.39: 7.90) of ETIZOLAM STD
2023_March_23_164107.cgm

ETIZOLAM EXT.spc: ETIZOLAM EXT CAYMAN BATCH#0468033-17 5 MG/ML MEOH
2021_April_19_224353\irdata.cgm

Method Information

Method: C:\Users\P...c\Documents\ChemStation\1\Methods\ISO270
(30MIN).M
Modified: 2/21/2023 at 8:39:19 AM

AUTOSAMPLE ISO270C, HOLD FOR 30 MIN @270C, 30 MINUTE METHOD.

Method Audit Trail

Operator : SYSTEM
Date : 2/21/2023 8:38:26 AM
Change Info: This method was created at 2/21/2023 8:38:26 AM and based on
method
'C:\Users\Public\Documents\ChemStation\1\Methods\ISO270
(20MIN).M'

Operator : SYSTEM
Date : 2/21/2023 8:38:28 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/21/2023 8:39:19 AM
Change Info: Method saved. User comment: ""

Run Time Checklist

Pre-Run Cmd/Macro: off
Data Acquisition: on
Standard Data Analysis: on
Modify Custom Fields: off
Customized Data Analysis: off
Save GLP Data: off
Post-Run Cmd/Macro: off
Save Method with Data: off

Injection Source and Location

Injection Source: GC Injector

Injection Location: Front

=====

Agilent 8890

=====

Module Type: GC

Module Name: Agilent 8890

GC

GC Summary

Run Time 30 min

Post Run Time 0 min

Oven

Temperature

Setpoint On

(Initial) 270 °C

Hold Time 30 min

Post Run 120 °C

Equilibration Time 1 min

Max Temperature 325 °C

Maximum Temperature Override Disabled

Slow Fan Disabled

ALS

Front Injector

Syringe Size 10 µL

Injection Volume 1 µL

Solvent A Washes (PreInj) 3

Solvent A Washes (PostInj) 0

Solvent A Volume 8 µL

Solvent B Washes (PreInj) 3

Solvent B Washes (PostInj) 0

Solvent B Volume 8 µL

Sample Washes 1

Sample Wash Volume 8 µL

Sample Pumps 3

Dwell Time (PreInj) 0 min

Dwell Time (PostInj) 0 min

Solvent Wash Draw Speed 300 µL/min

Solvent Wash Dispense Speed 3000 µL/min

Sample Wash Draw Speed 300 µL/min

Sample Wash Dispense Speed 3000 µL/min

Injection Dispense Speed 6000 µL/min

Viscosity Delay 0 sec

Sample Depth Disabled

Injection Type Standard

L1 Airgap 0.2 µL

Solvent Wash Mode A, B

Sample Overlap

Mode Sample overlap is not enabled

Front SS Inlet He

Mode Split

Heater	On	250 °C
Pressure	On	15.224 psi
Total Flow	On	12 mL/min
Septum Purge Flow	On	3 mL/min
Pre-Run Flow Test	Off	
Gas Saver	On	15 mL/min after 2 min
Split Ratio	2 :1	
Split Flow	6 mL/min	
Liner	A Liner has not been selected.	
Column		
Column #1		
Flow		
Setpoint	On	
(Initial)	3 mL/min	
Post Run	2 mL/min	
Temperature Range	-60 °C-325 °C (325 °C)	
Dimensions	15 m x 320 µm x 1 µm	
(Uncalibrated)		
Column lock	Unlocked	
In	Front SS Inlet He	
Out	Other	
(Initial)	270 °C	
Pressure	15.224 psi	
Flow	3 mL/min	
Average Velocity	72.73 cm/sec	
Holdup Time	0.34374 min	
Control Mode	Constant Flow	
Column Outlet Pressure	0 psi	
Detector Evaluation		
Perform Detector Evaluation Test	Off	
Signal Selected	No Signal Selected	
Checkout Sample	None	
Signals		
Signal #1: Test Plot		
Description	Test Plot	
Save	On	
Data Rate	50 Hz	
Dual Injection Assignment	Front Sample	
Signal #2:		
Description	None	
Signal #3:		
Description	None	
Signal #4:		
Description	None	
Signal #5:		
Description	None	
Signal #6:		

Description	None
Signal #7: Description	None
Signal #8: Description	None

The Data Analysis Parameters of the used Method are :

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Integration Events

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Non signal specific Integration Events

Event	Value
Tangent Skim Mode	New Exponential
Tail Peak Skim Height Ratio	5.000
Front Peak Skim Height Ratio	5.000
Skim Valley Ratio	20.000
Baseline Correction	Advanced
Peak to Valley Ratio	500.000

Default Integration Event Table "Event"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
-------	-------	------

Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_FID"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_NPD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial

Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

 Detector Default Integration Event Table "Event_FPD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

 Detector Default Integration Event Table "Event_uECD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

 Detector Default Integration Event Table "Event_GC"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Apply Method's Manual Integration Events: No

=====
 Specify Report

=====

Calculate: Area Percent
Do not use Multiplier & Dilution Factor with ISTDs

Use Sample Data from Data File
Report mode: Classic
Destination: File (Prefix: Report)
Destination File Types: No destination file types selected
Quantitative Results sorted by: Signal
Report Style: (None)
Sample info on each page: No
Add Chromatogram Output: No
Uncalibrated Peaks: Do Not Report

=====

Signal Options

=====

Include: Axes, Retention Times, Baselines, Tick Marks
Font: Arial, Size: 8

Ranges: Full
Multi Chromatograms: Separated, Each in full Scale

=====

Calibration Table

=====

General Calibration Setting

Calib. Data Modified :
Signals calculated separately : No

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:

Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Signal Details

Overview Table

No Entries in table

Identification Details Table

No Entries in table

Peak Sum Table

No Entries in table

Component Details Table

No Entries in table

=====
Sample related custom fields
=====

Custom Field	Type	Mand.	Default Value
None defined			

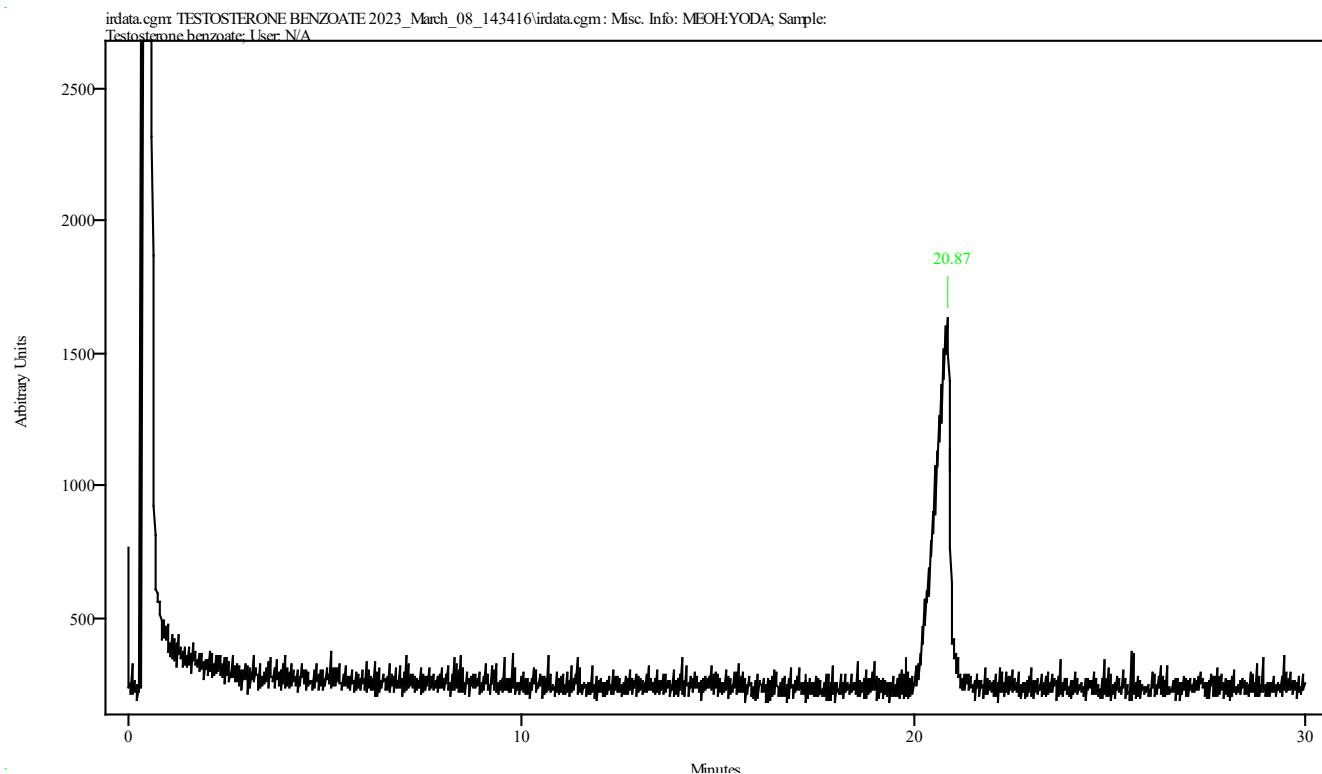
=====
Compound related custom fields
=====

=====			
Custom Field	Type	Mand.	Default Value

None defined			

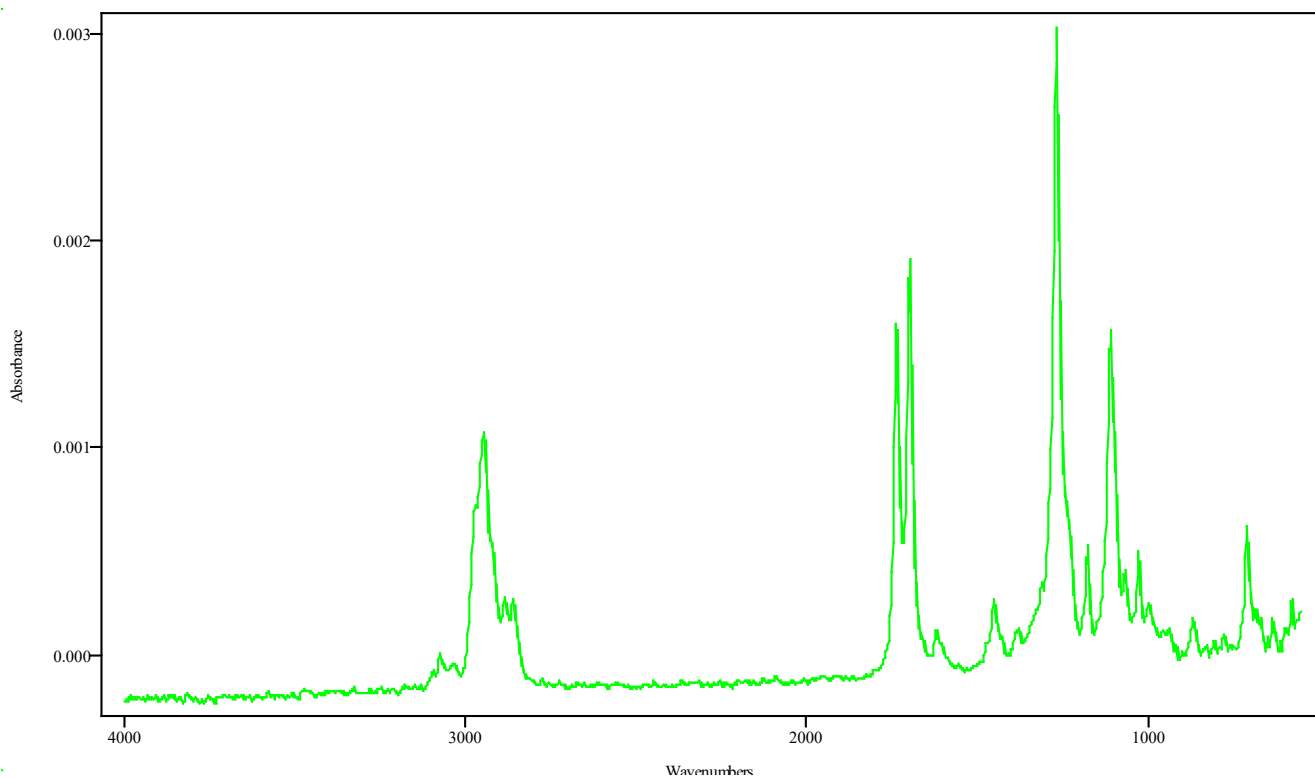
IRD Data Analysis Report

Data Filename	TESTOSTERONE BENZOATE 2023_March_08_143416
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-8-23-1
IRD Method	IRD3 EXT
GC Method	ISO270(30MIN).M
GC Vial	11
Sample Name	Testosterone benzoate
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Wed Mar 08 15:06:50 2023
Date Processed	Tue Mar 21 12:56:11 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
20.696	20.924	0.229	17.270	19.812

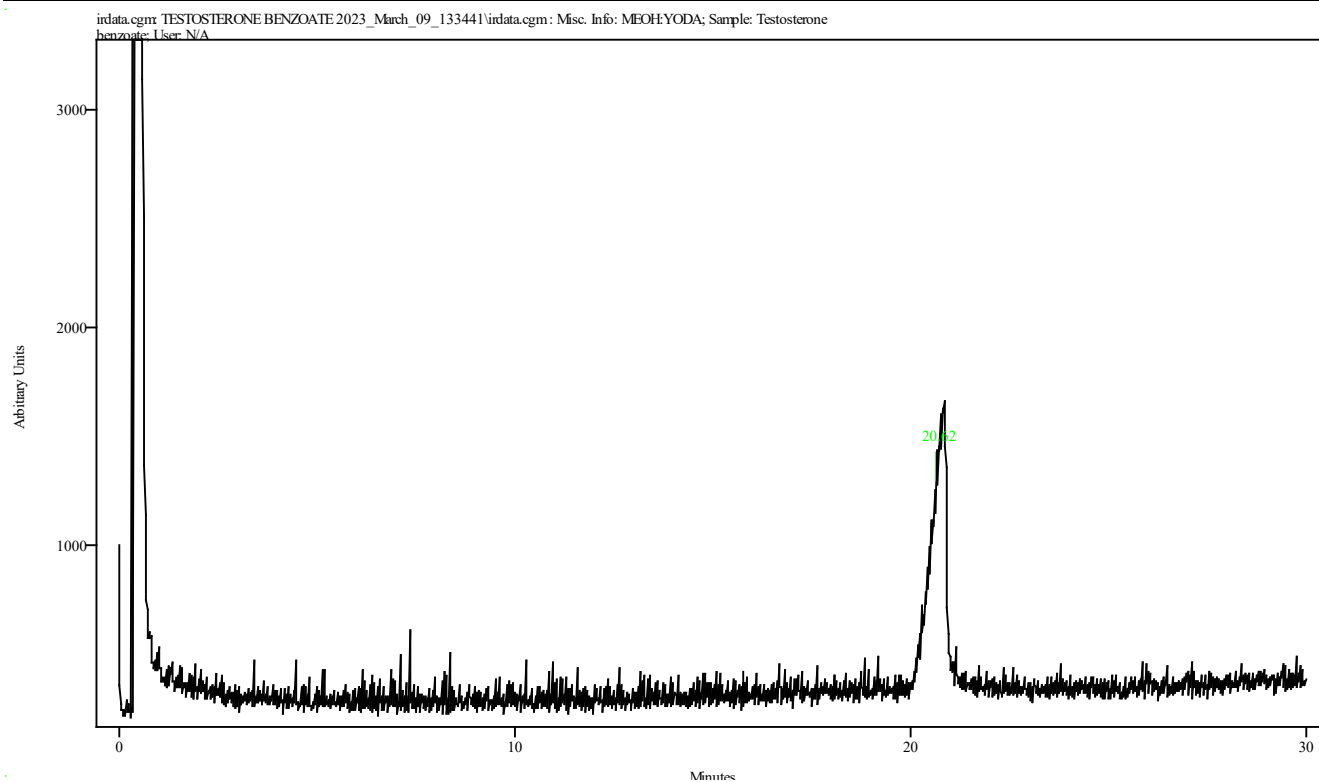
Data Filename	TESTOSTERONE BENZOATE 2023_March_08_143416
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-8-23-1
IRD Method	IRD3 EXT
GC Method	ISO270(30MIN).M
GC Vial	11
Sample Name	Testosterone benzoate
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Wed Mar 08 15:06:50 2023
Date Processed	Tue Mar 21 12:56:11 2023



IRDATA.SPC: 20.87 minutes: AVE (20.69: 20.92) Ref. (17.27: 19.81) of TESTOSTERONE BENZOATE 2023_March_08_143416.cgm

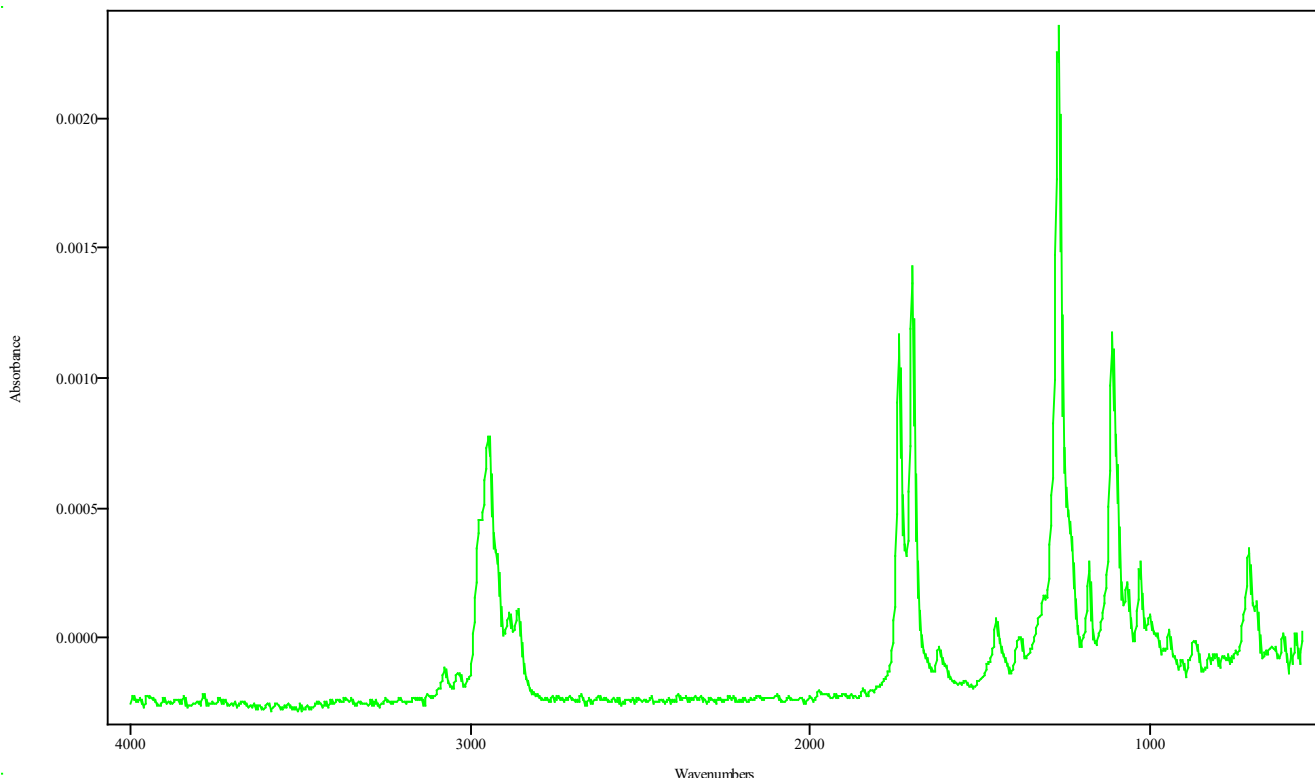
IRD Data Analysis Report

Data Filename	TESTOSTERONE BENZOATE 2023_March_09_133441
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-9-23-1
IRD Method	IRD3 EXT
GC Method	ISO270(30MIN).M
GC Vial	11
Sample Name	Testosterone benzoate
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Thu Mar 09 14:07:15 2023
Date Processed	Mon Mar 20 09:22:33 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
20.502	20.753	0.251	15.778	18.075

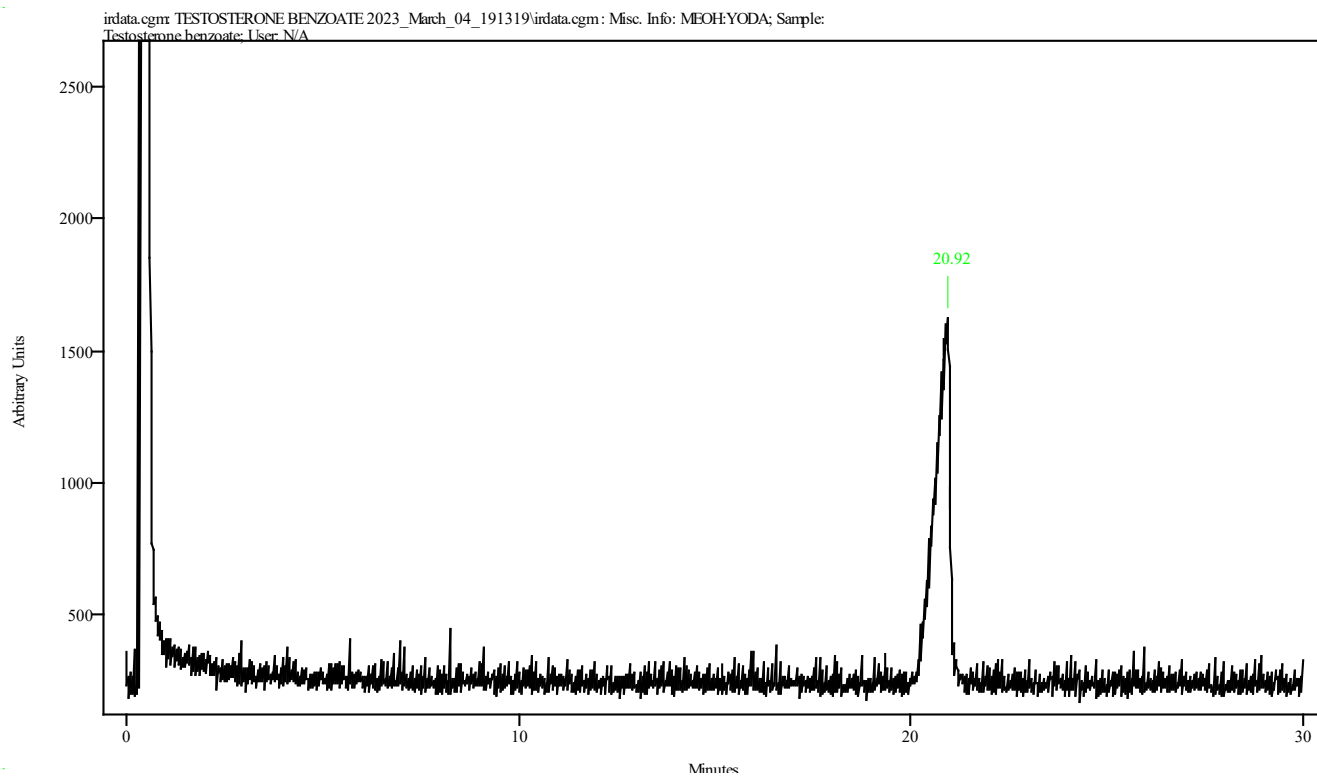
Data Filename	TESTOSTERONE BENZOATE 2023_March_09_133441
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-9-23-1
IRD Method	IRD3 EXT
GC Method	ISO270(30MIN).M
GC Vial	11
Sample Name	Testosterone benzoate
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Thu Mar 09 14:07:15 2023
Date Processed	Mon Mar 20 09:22:33 2023



IRDATA.SPC: 20.62 minutes: AVE (20.50: 20.75) Ref. (15.78: 18.07) of TESTOSTERONE BENZOATE 2023_March_09_133441.cgm

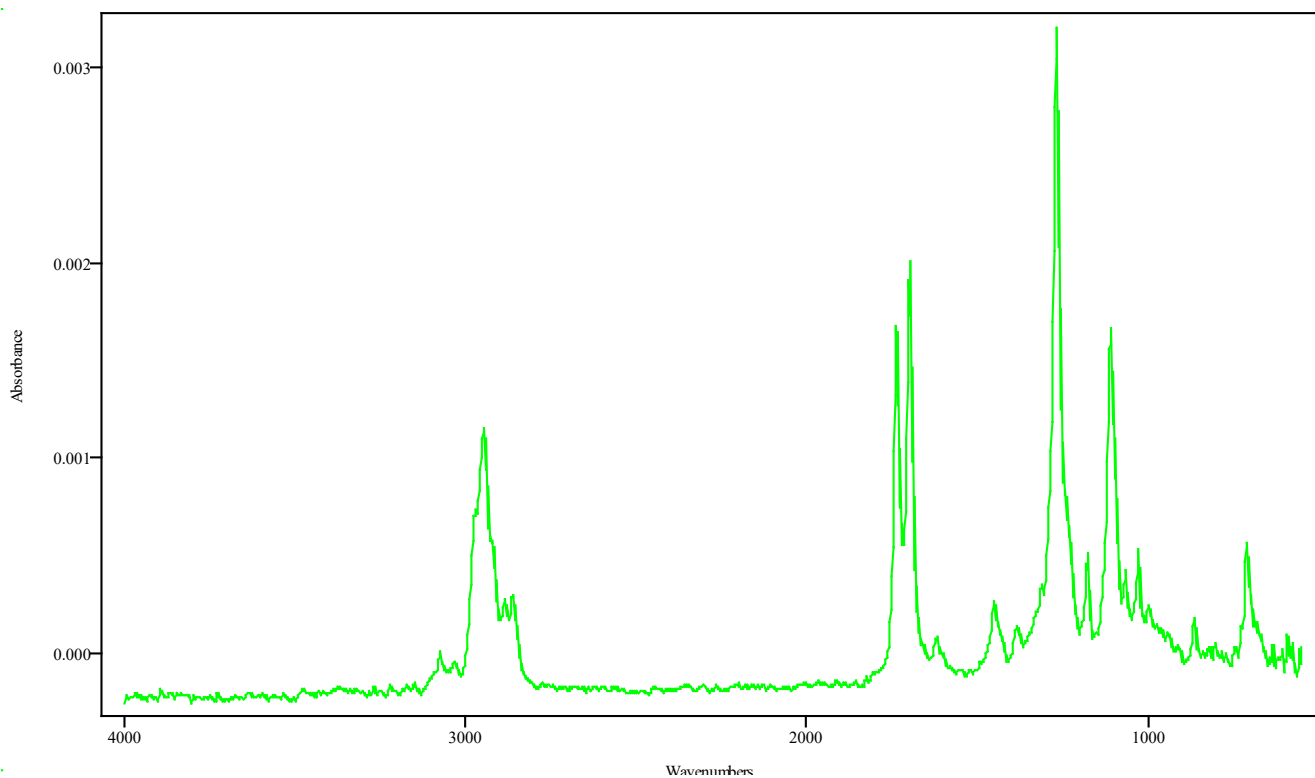
IRD Data Analysis Report

Data Filename	TESTOSTERONE BENZOATE 2023_March_04_191319
Data Path	C:/ASAP DATA/YODA 2023/Validation/Split methods-3-4-23-1
IRD Method	IRD3 EXT
GC Method	ISO270(30MIN).M
GC Vial	11
Sample Name	Testosterone benzoate
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Sat Mar 04 19:45:53 2023
Date Processed	Tue Mar 21 12:58:12 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
20.851	20.993	0.142	15.215	19.330

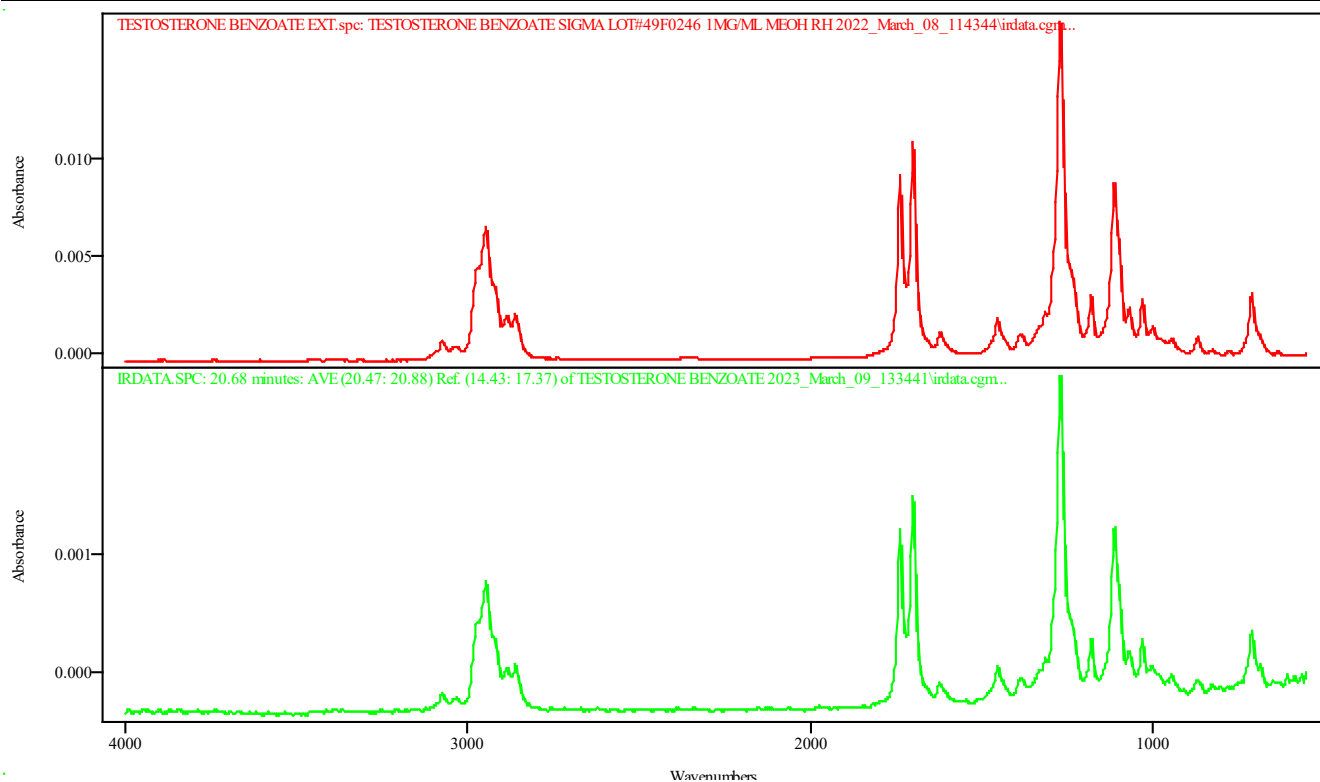
Data Filename	TESTOSTERONE BENZOATE 2023_March_04_191319
Data Path	C:/ASAP DATA/YODA 2023/Validation/Split methods-3-4-23-1
IRD Method	IRD3 EXT
GC Method	ISO270(30MIN).M
GC Vial	11
Sample Name	Testosterone benzoate
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Sat Mar 04 19:45:53 2023
Date Processed	Tue Mar 21 12:58:12 2023



IRDATA.SPC: 20.92 minutes: AVE (20.85: 20.99) Ref. (15.21: 19.33) of TESTOSTERONE BENZOATE 2023_March_04_191319.cgm

IRD Data Analysis Report

Data Filename	TESTOSTERONE BENZOATE 2023_March_09_133441
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-9-23-1
IRD Method	IRD3 EXT
GC Method	ISO270(30MIN).M
GC Vial	11
Sample Name	Testosterone benzoate
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Thu Mar 09 14:07:15 2023
Date Processed	Mon Apr 03 10:14:16 2023



IRDATA.SPC: 20.68 minutes: AVE (20.47: 20.88) Ref. (14.43: 17.37) of TESTOSTERONE BENZOATE 2023_March_09_133441.cgm

TESTOSTERONE BENZOATE EXT.spc: TESTOSTERONE BENZOATE SIGMA LOT#49F0246 1MG/ML MEOH RH 2022_March_08_114344\irdata.cgm

Method Information

Method: C:\Users\Public\Documents\ChemStation\1
\Methods\MAN60TO270.M
Modified: 4/3/2023 at 11:01:40 AM

MANUAL 60 TO 270C, HOLD FOR 2 MIN @60C, RAMP @70C PER MIN TO 270C. 10
MINUTE METHOD.

Method Audit Trail

Operator : SYSTEM
Date : 2/13/2020 11:14:40 AM
Change Info: This method was created at 2/13/2020 11:14:40 AM and based on
method 'C:\USERS\PUBLIC\DOCUMENTS\CHEMSTATION\1
\METHODS\60TO270.M'

Operator : SYSTEM
Date : 2/13/2020 11:14:41 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/13/2020 12:48:06 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/19/2020 10:04:17 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/21/2020 9:01:32 AM
Change Info: Method saved. User comment: ""

Operator : GLENN EVERETT
Date : 3/8/2021 2:02:11 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/16/2023 10:57:40 AM
Change Info: Method saved. User comment: ""

Run Time Checklist

Pre-Run Cmd/Macro: off

Data Acquisition: on

Standard Data Analysis: on

Modify Custom Fields: off

Customized Data Analysis: off

Save GLP Data: off

Post-Run Cmd/Macro: off

Save Method with Data: off

Injection Source and Location

Injection Source: Manual

Injection Location: Front

=====

Agilent 8890

=====

Module Type: GC

Module Name: Agilent 8890

GC

GC Summary

Run Time	10 min
----------	--------

Post Run Time	0 min
---------------	-------

Oven

Temperature

Setpoint	On
----------	----

(Initial)	60 °C
-----------	-------

Hold Time	2 min
-----------	-------

Post Run	120 °C
----------	--------

Program

#1 Rate	70 °C/min
---------	-----------

#1 Value	270 °C
----------	--------

#1 Hold Time	5 min
--------------	-------

Equilibration Time	1 min
--------------------	-------

Max Temperature	325 °C
-----------------	--------

Maximum Temperature Override	Disabled
------------------------------	----------

Slow Fan	Disabled
----------	----------

ALS

Front Injector

Syringe Size	10 µL
--------------	-------

Injection Volume	1 µL
------------------	------

Solvent A Washes (PreInj)	3
---------------------------	---

Solvent A Washes (PostInj)	0
----------------------------	---

Solvent A Volume	8 µL
------------------	------

Solvent B Washes (PreInj)	3
---------------------------	---

Solvent B Washes (PostInj)	0
----------------------------	---

Solvent B Volume	8 µL
------------------	------

Sample Washes	1
---------------	---

Sample Wash Volume	8 µL
Sample Pumps	3
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	3000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	3000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Solvent Wash Mode	A, B
Sample Overlap	
Mode	Sample overlap is not enabled
Front SS Inlet He	
Mode	Split
Heater	On 250 °C
Pressure	On 7.9927 psi
Total Flow	On 12 mL/min
Septum Purge Flow	On 3 mL/min
Pre-Run Flow Test	Off
Gas Saver	On 15 mL/min after 2 min
Split Ratio	2 :1
Split Flow	6 mL/min
Liner	A Liner has not been selected.
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	3 mL/min
Post Run	2 mL/min
Temperature Range	-60 °C-325 °C (325 °C)
Dimensions	15 m x 320 µm x 1 µm
(Uncalibrated)	
Column lock	Unlocked
In	Front SS Inlet He
Out	Other
(Initial)	60 °C
Pressure	7.9927 psi
Flow	3 mL/min
Average Velocity	54.475 cm/sec
Holdup Time	0.45892 min
Control Mode	Constant Flow
Column Outlet Pressure	0 psi
Detector Evaluation	
Perform Detector Evaluation Test	Off
Signal Selected	Signal #1: Diagnostics: Test
Plot {50 Hz}	

Checkout Sample	None
Signals	
Signal #1: Test Plot	
Description	Test Plot
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #2:	
Description	None
Signal #3:	
Description	None
Signal #4:	
Description	None
Signal #5:	
Description	None
Signal #6:	
Description	None
Signal #7:	
Description	None
Signal #8:	
Description	None

The Data Analysis Parameters of the used Method are :

```
=====
                        Integration Events
=====
```

```
-----
                        Non signal specific Integration Events
-----
```

Event	Value
Tangent Skim Mode	New Exponential
Tail Peak Skim Height Ratio	5.000
Front Peak Skim Height Ratio	5.000

Skim Valley Ratio	20.000
Baseline Correction	Advanced
Peak to Valley Ratio	500.000

Default Integration Event Table "Event"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_FID"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_NPD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_FPD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_uECD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

 Detector Default Integration Event Table "Event_GC"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Apply Method's Manual Integration Events: No

=====
 Specify Report
 =====

Calculate: Area Percent
 Do not use Multiplier & Dilution Factor with ISTDs

Use Sample Data from Data File
 Report mode: Classic
 Destination: File (Prefix: Report)
 Destination File Types: No destination file types selected
 Quantitative Results sorted by: Signal
 Report Style: (None)
 Sample info on each page: No
 Add Chromatogram Output: No
 Uncalibrated Peaks: Do Not Report

=====
 Signal Options
 =====

Include: Axes, Retention Times, Baselines, Tick Marks
 Font: Arial, Size: 8

Ranges: Full
 Multi Chromatograms: Separated, Each in full Scale

=====
 Calibration Table
 =====

 General Calibration Setting

Calib. Data Modified :
Signals calculated separately : No

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Signal Details

Overview Table

No Entries in table

Identification Details Table

No Entries in table

Peak Sum Table

No Entries in table

Component Details Table

No Entries in table

=====

Sample related custom fields

=====

Custom Field	Type	Mand.	Default Value
--------------	------	-------	---------------

None defined

=====

Compound related custom fields

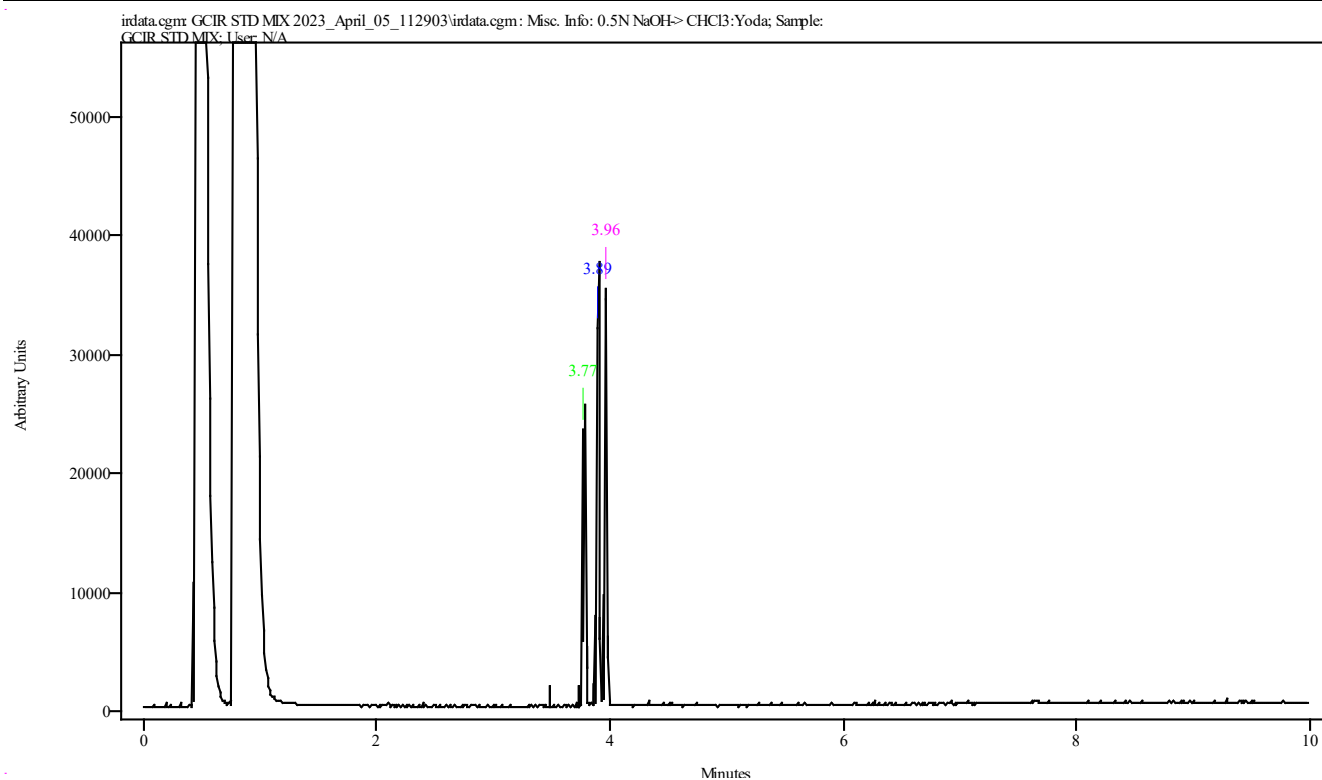
=====

Custom Field	Type	Mand.	Default Value
--------------	------	-------	---------------

None defined

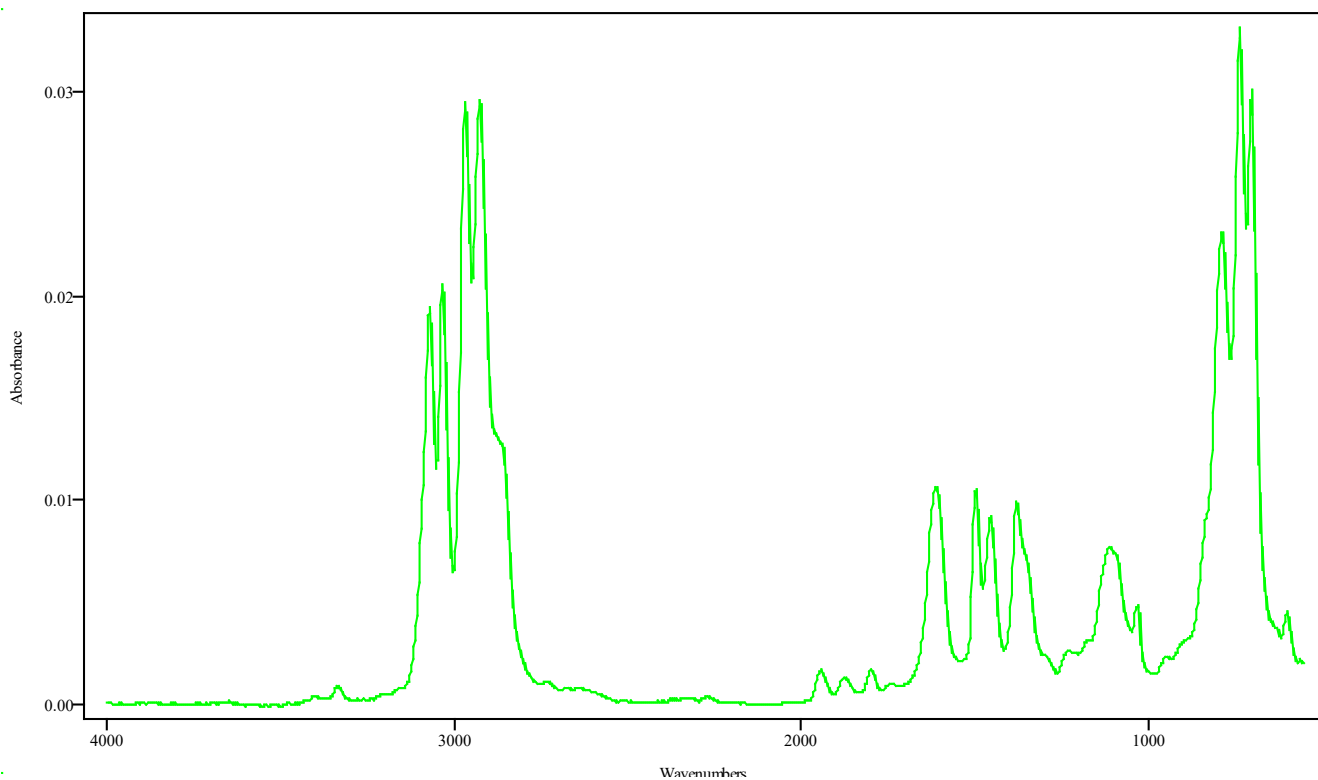
IRD Data Analysis Report

Data Filename	GCIR STD MIX 2023_April_05_112903
Data Path	C:/ASAP DATA/YODA 2023/Validation/Manual Inj. 4-5-23
IRD Method	IRD3 EXT
GC Method	MAN60TO270.M
GC Vial	3
Sample Name	GCIR STD MIX
Misc. Info	0.5N NaOH-> CHCl3:Yoda
User ID	N/A
Injection Time	Wed Apr 05 11:40:18 2023
Date Processed	Wed Apr 05 12:41:45 2023



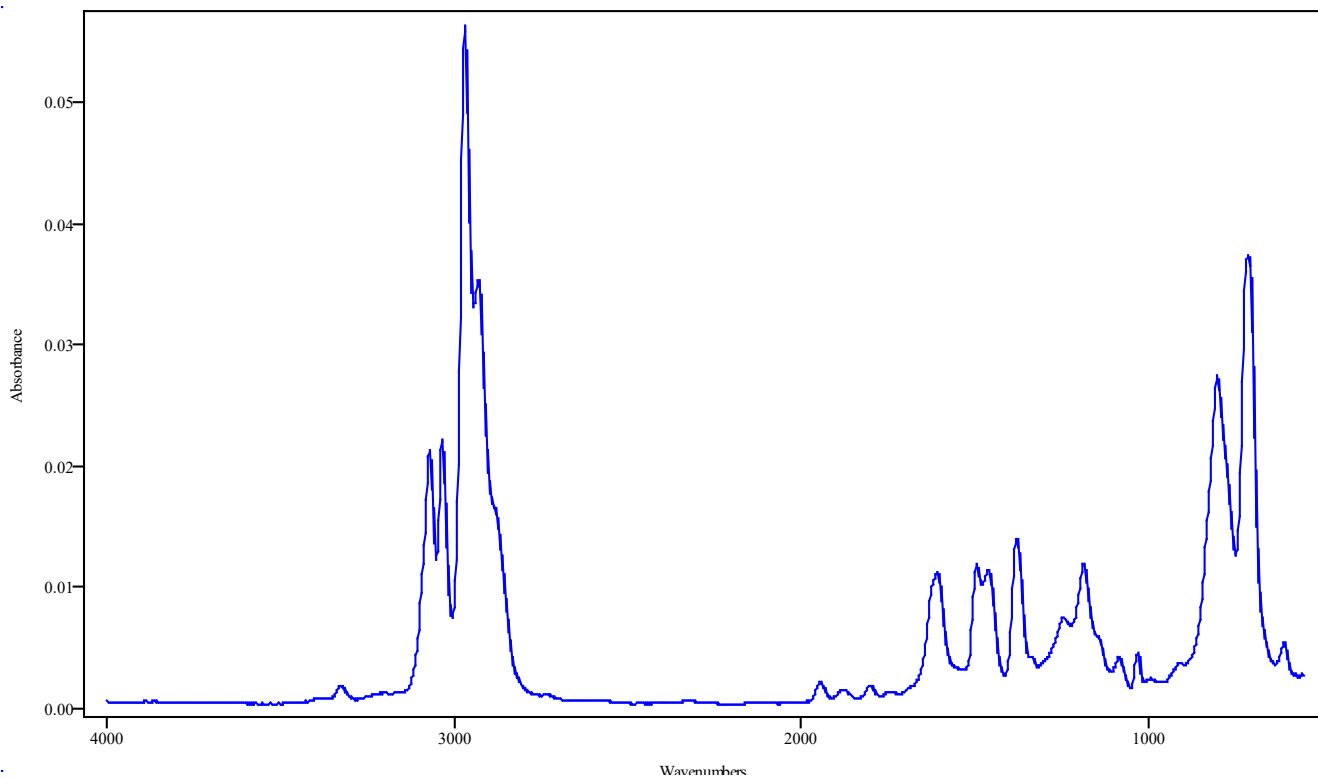
Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.741	3.796	0.055	3.479	3.741
3.861	3.916	0.055	3.479	3.741
3.938	3.982	0.044	3.479	3.741

Data Filename	GCIR STD MIX 2023_April_05_112903
Data Path	C:/ASAP DATA/YODA 2023/Validation/Manual Inj. 4-5-23
IRD Method	IRD3 EXT
GC Method	MAN60TO270.M
GC Vial	3
Sample Name	GCIR STD MIX
Misc. Info	0.5N NaOH-> CHCl3:Yoda
User ID	N/A
Injection Time	Wed Apr 05 11:40:18 2023
Date Processed	Wed Apr 05 12:41:45 2023



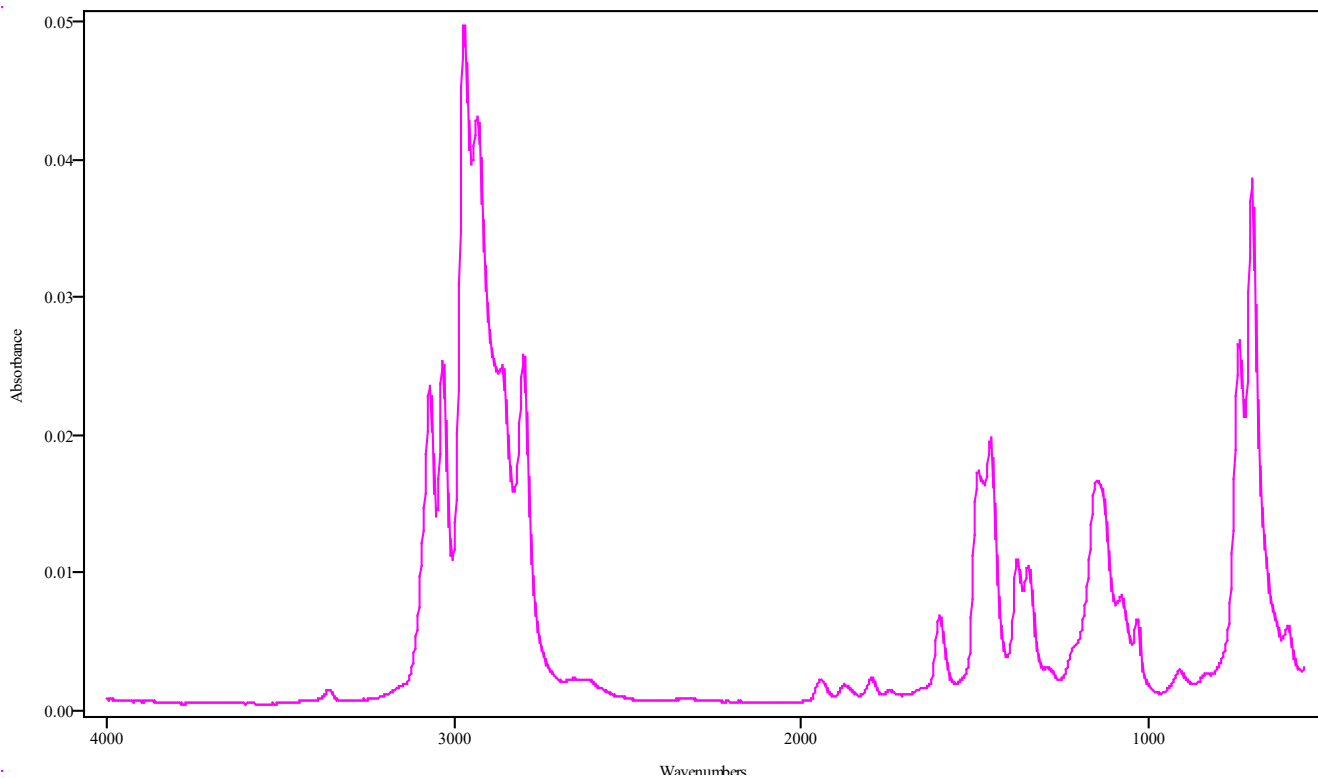
IRDATA.SPC: 3.77 minutes: AVE (3.74: 3.80) Ref. (3.48: 3.74) of GCIR STD MIX
 2023_April_05_112903.cgm Amphetamine

Data Filename	GCIR STD MIX 2023_April_05_112903
Data Path	C:/ASAP DATA/YODA 2023/Validation/Manual Inj. 4-5-23
IRD Method	IRD3 EXT
GC Method	MAN60TO270.M
GC Vial	3
Sample Name	GCIR STD MIX
Misc. Info	0.5N NaOH-> CHCl3:Yoda
User ID	N/A
Injection Time	Wed Apr 05 11:40:18 2023
Date Processed	Wed Apr 05 12:41:45 2023



IRDATA.SPC: 3.89 minutes: AVE (3.86: 3.92) Ref. (3.48: 3.74) of GCIR STD MIX
2023_April_05_112903.cgm Phentermine

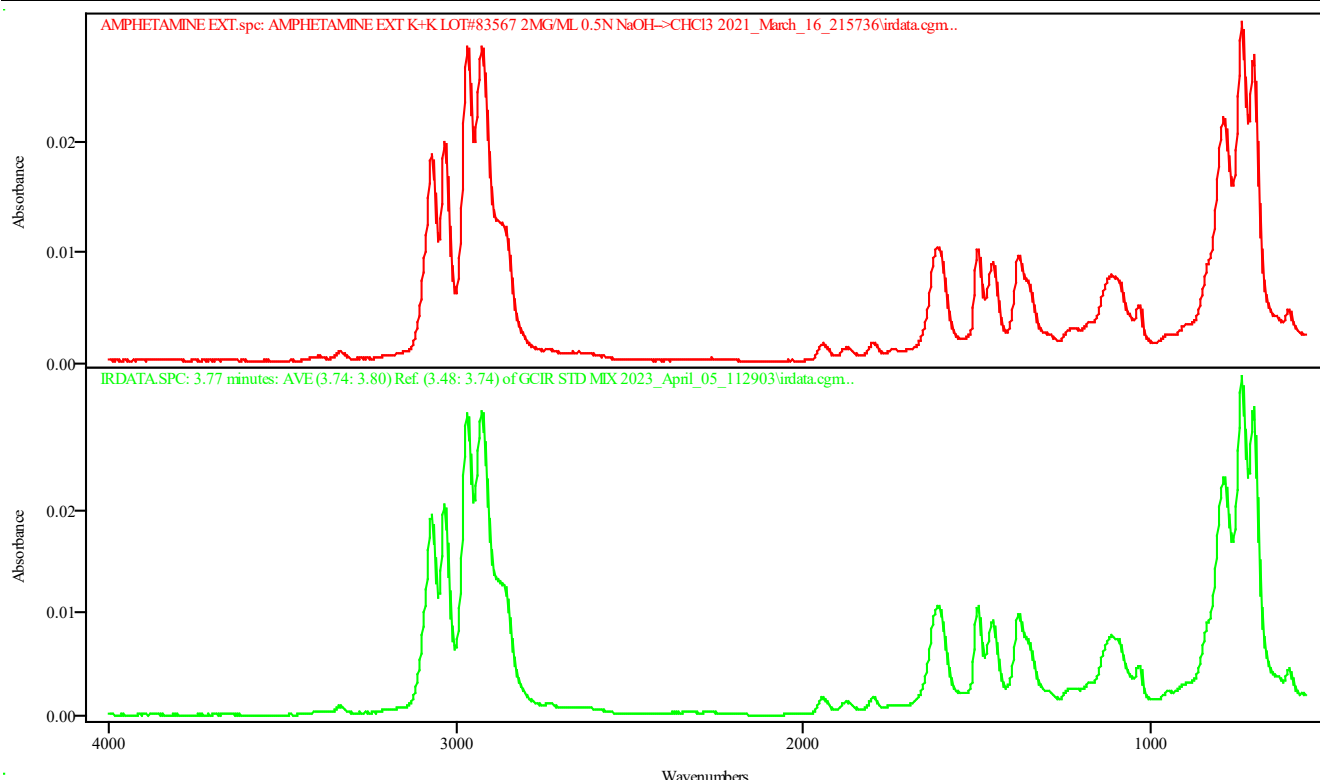
Data Filename	GCIR STD MIX 2023_April_05_112903
Data Path	C:/ASAP DATA/YODA 2023/Validation/Manual Inj. 4-5-23
IRD Method	IRD3 EXT
GC Method	MAN60TO270.M
GC Vial	3
Sample Name	GCIR STD MIX
Misc. Info	0.5N NaOH-> CHCl3:Yoda
User ID	N/A
Injection Time	Wed Apr 05 11:40:18 2023
Date Processed	Wed Apr 05 12:41:45 2023



IRDATA.SPC: 3.96 minutes: AVE (3.94: 3.98) Ref. (3.48: 3.74) of GCIR STD MIX
2023_April_05_112903.cgm Methamphetamine

IRD Data Analysis Report

Data Filename	GCIR STD MIX 2023_April_05_112903
Data Path	C:/ASAP DATA/YODA 2023/Validation/Manual Inj. 4-5-23
IRD Method	IRD3 EXT
GC Method	MAN60TO270.M
GC Vial	3
Sample Name	GCIR STD MIX
Misc. Info	0.5N NaOH-> CHCl3:Yoda
User ID	N/A
Injection Time	Wed Apr 05 11:40:18 2023
Date Processed	Wed Apr 05 12:43:02 2023

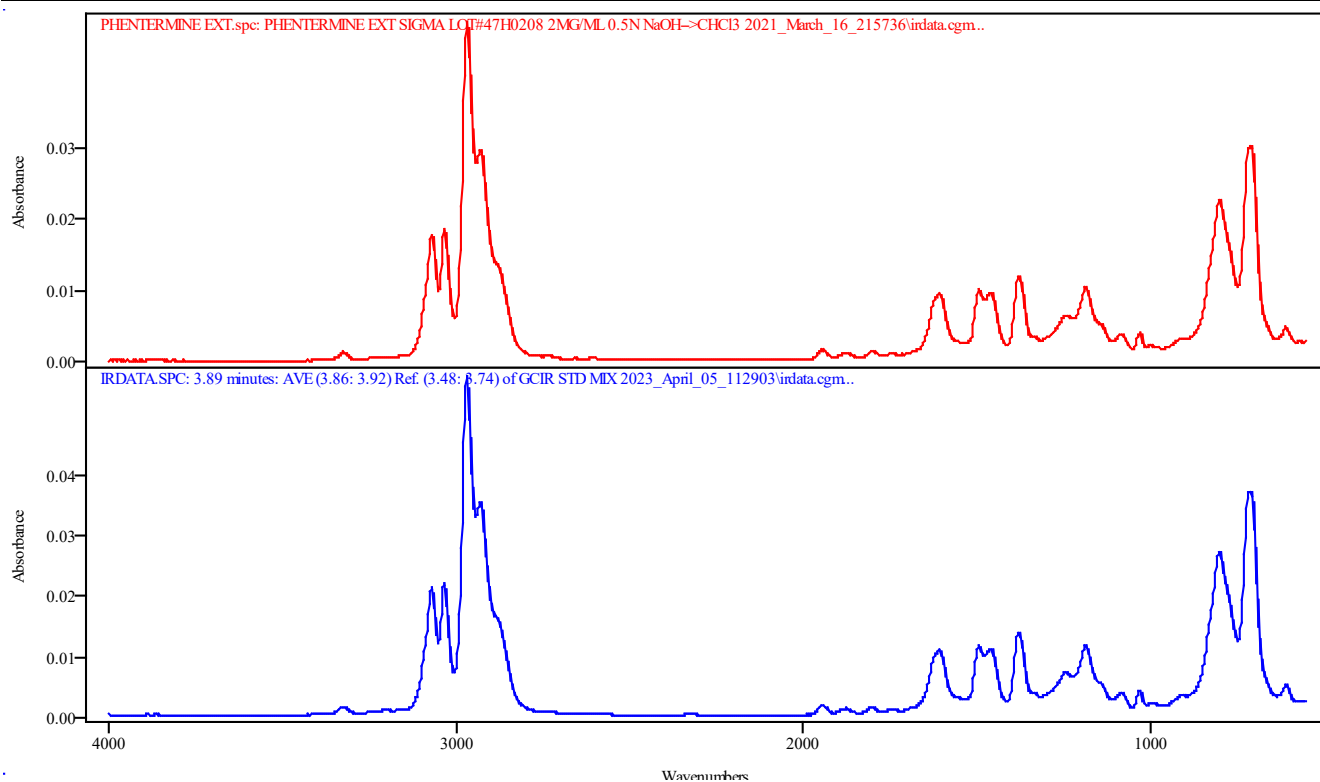


IRDATA.SPC: 3.77 minutes: AVE (3.74: 3.80) Ref. (3.48: 3.74) of GCIR STD MIX
2023_April_05_112903.cgm

AMPHETAMINE EXT.spc: AMPHETAMINE EXT K+K LOT#83567 2MG/ML 0.5N NaOH-->CHCl3
2021_March_16_215736\irdata.cgm

IRD Data Analysis Report

Data Filename	GCIR STD MIX 2023_April_05_112903
Data Path	C:/ASAP DATA/YODA 2023/Validation/Manual Inj. 4-5-23
IRD Method	IRD3 EXT
GC Method	MAN60TO270.M
GC Vial	3
Sample Name	GCIR STD MIX
Misc. Info	0.5N NaOH-> CHCl3:Yoda
User ID	N/A
Injection Time	Wed Apr 05 11:40:18 2023
Date Processed	Wed Apr 05 12:43:37 2023

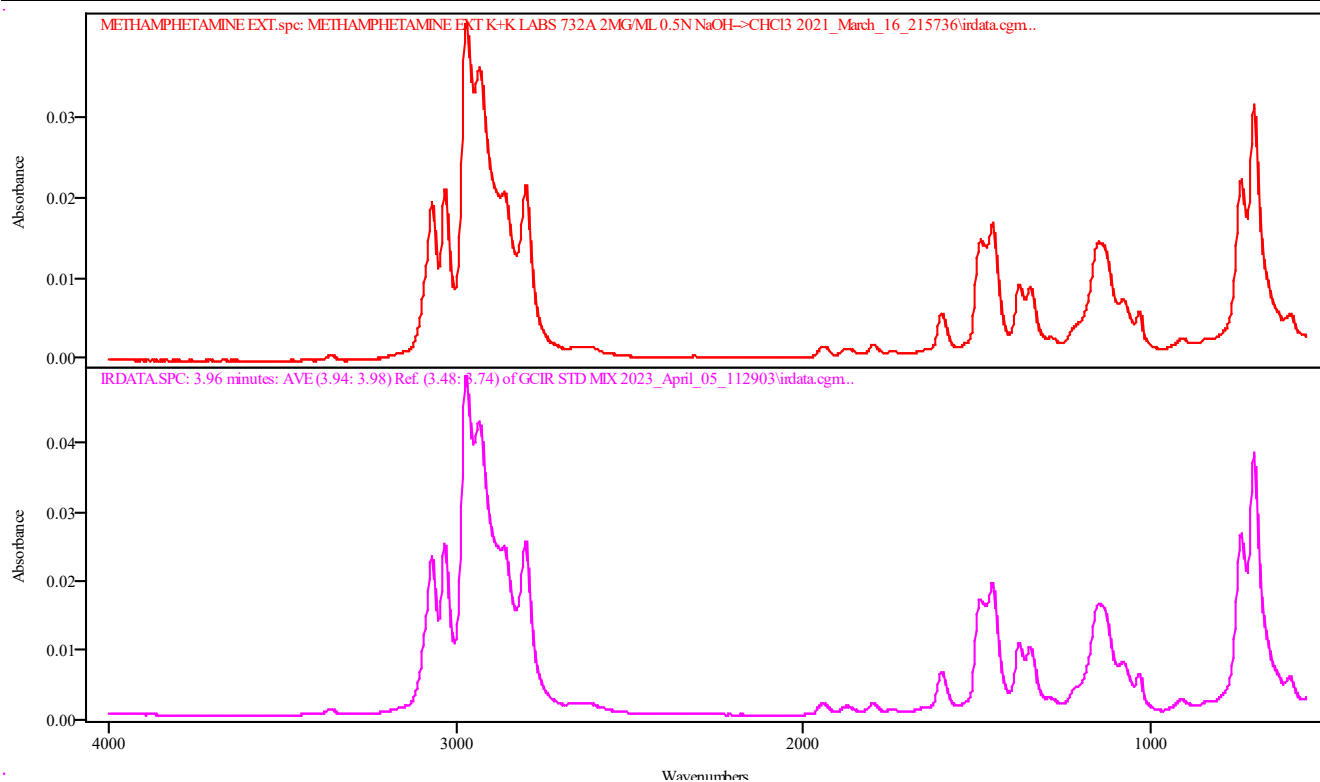


IRDATA.SPC: 3.89 minutes: AVE (3.86: 3.92) Ref. (3.48: 3.74) of GCIR STD MIX
2023_April_05_112903.cgm

PHENTERMINE EXT.spc: PHENTERMINE EXT SIGMA LOT#47H0208 2MG/ML 0.5N
NaOH->CHCl3 2021_March_16_215736\irdata.cgm

IRD Data Analysis Report

Data Filename	GCIR STD MIX 2023_April_05_112903
Data Path	C:/ASAP DATA/YODA 2023/Validation/Manual Inj. 4-5-23
IRD Method	IRD3 EXT
GC Method	MAN60TO270.M
GC Vial	3
Sample Name	GCIR STD MIX
Misc. Info	0.5N NaOH-> CHCl3:Yoda
User ID	N/A
Injection Time	Wed Apr 05 11:40:18 2023
Date Processed	Wed Apr 05 12:45:38 2023



IRDATA.SPC: 3.96 minutes: AVE (3.94: 3.98) Ref. (3.48: 3.74) of GCIR STD MIX
2023_April_05_112903.cgm

METHAMPHETAMINE EXT.spc: METHAMPHETAMINE EXT K+K LABS 732A 2MG/ML 0.5N
NaOH-->CHCl3 2021_March_16_215736\irdata.cgm

Method Information

Method: C:\Users\P...uments\ChemStation\1\Methods\MAN120TO270
(20MIN).M
Modified: 4/3/2023 at 10:57:48 AM

MANUAL 120 TO 270C, HOLD FOR 1 MIN @120C, RAMP @70C PER MIN TO 270C.
20 MINUTE METHOD.

Method Audit Trail

Operator : SYSTEM
Date : 2/19/2020 9:28:39 AM
Change Info: This method was created at 2/19/2020 9:28:39 AM and based on
method
'C:\Users\Public\Documents\ChemStation\1\Methods\120TO270
(20MIN).M'

Operator : SYSTEM
Date : 2/19/2020 9:28:57 AM
Change Info: Method saved. User comment: "MANUAL METHOD FOR 120 TO 270 20
MINUTES"

Operator : SYSTEM
Date : 2/19/2020 10:08:03 AM
Change Info: Method saved. User comment: ""

Operator : GLENN EVERETT
Date : 3/8/2021 2:00:48 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/16/2023 10:46:42 AM
Change Info: Method saved. User comment: ""

Run Time Checklist

Pre-Run Cmd/Macro: off

Data Acquisition: on

Standard Data Analysis: on

Modify Custom Fields: off

Customized Data Analysis: off

Save GLP Data: off

Post-Run Cmd/Macro: off

Save Method with Data: off

Injection Source and Location

Injection Source: GC Injector

Injection Location: Front

=====

Agilent 8890

=====

Module Type: GC

Module Name: Agilent 8890

GC

GC Summary

Run Time 20 min

Post Run Time 0 min

Oven

Temperature

Setpoint On

(Initial) 120 °C

Hold Time 1 min

Post Run 120 °C

Program

#1 Rate 70 °C/min

#1 Value 270 °C

#1 Hold Time 16.857 min

Equilibration Time 1 min

Max Temperature 325 °C

Maximum Temperature Override Disabled

Slow Fan Disabled

ALS

Front Injector

Syringe Size 10 µL

Injection Volume 1 µL

Solvent A Washes (PreInj) 3

Solvent A Washes (PostInj) 0

Solvent A Volume 8 µL

Solvent B Washes (PreInj) 3

Solvent B Washes (PostInj) 0

Solvent B Volume 8 µL

Sample Washes 1

Sample Wash Volume 8 µL

Sample Pumps 3

Dwell Time (PreInj) 0 min

Dwell Time (PostInj) 0 min

Solvent Wash Draw Speed 300 µL/min

Solvent Wash Dispense Speed	3000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	3000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Solvent Wash Mode	A, B
Sample Overlap	
Mode	Sample overlap is not enabled
Front SS Inlet He	
Mode	Split
Heater	On 250 °C
Pressure	On 10.015 psi
Total Flow	On 12 mL/min
Septum Purge Flow	On 3 mL/min
Pre-Run Flow Test	Off
Gas Saver	On 15 mL/min after 2 min
Split Ratio	2 :1
Split Flow	6 mL/min
Liner	A Liner has not been selected.
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	3 mL/min
Post Run	2 mL/min
Temperature Range	-60 °C–325 °C (325 °C)
Dimensions	15 m x 320 µm x 1 µm
(Uncalibrated)	
Column lock	Unlocked
In	Front SS Inlet He
Out	Other
(Initial)	120 °C
Pressure	10.015 psi
Flow	3 mL/min
Average Velocity	60.612 cm/sec
Holdup Time	0.41246 min
Control Mode	Constant Flow
Column Outlet Pressure	0 psi
Detector Evaluation	
Perform Detector Evaluation Test	Off
Signal Selected	Signal #1: Diagnostics: Test
Plot {50 Hz}	
Checkout Sample	None
Signals	
Signal #1: Test Plot	
Description	Test Plot

Save	On
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #2: Description	None
Signal #3: Description	None
Signal #4: Description	None
Signal #5: Description	None
Signal #6: Description	None
Signal #7: Description	None
Signal #8: Description	None

The Data Analysis Parameters of the used Method are :

```
=====
                        Integration Events
=====
```

```
-----
                        Non signal specific Integration Events
-----
```

Event	Value
Tangent Skim Mode	New Exponential
Tail Peak Skim Height Ratio	5.000
Front Peak Skim Height Ratio	5.000
Skim Valley Ratio	20.000
Baseline Correction	Advanced
Peak to Valley Ratio	500.000

Default Integration Event Table "Event"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_FID"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_NPD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_FPD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_uECD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_GC"

Event	Value	Time
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Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Apply Method's Manual Integration Events: No

=====
Specify Report
=====

Calculate: Area Percent
Do not use Multiplier & Dilution Factor with ISTDs

Use Sample Data from Data File
Report mode: Classic
Destination: File (Prefix: Report)
Destination File Types: No destination file types selected
Quantitative Results sorted by: Signal
Report Style: (None)
Sample info on each page: No
Add Chromatogram Output: No
Uncalibrated Peaks: Do Not Report

=====
Signal Options
=====

Include: Axes, Retention Times, Baselines, Tick Marks
Font: Arial, Size: 8

Ranges: Full
Multi Chromatograms: Separated, Each in full Scale

=====
Calibration Table
=====

General Calibration Setting

Calib. Data Modified :
Signals calculated separately : No

Rel. Reference Window : 5.000 %

Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :

Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Signal Details

Overview Table

No Entries in table

Identification Details Table

No Entries in table

Peak Sum Table

No Entries in table

Component Details Table

No Entries in table

=====
Sample related custom fields
=====

Custom Field	Type	Mand.	Default Value
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None defined

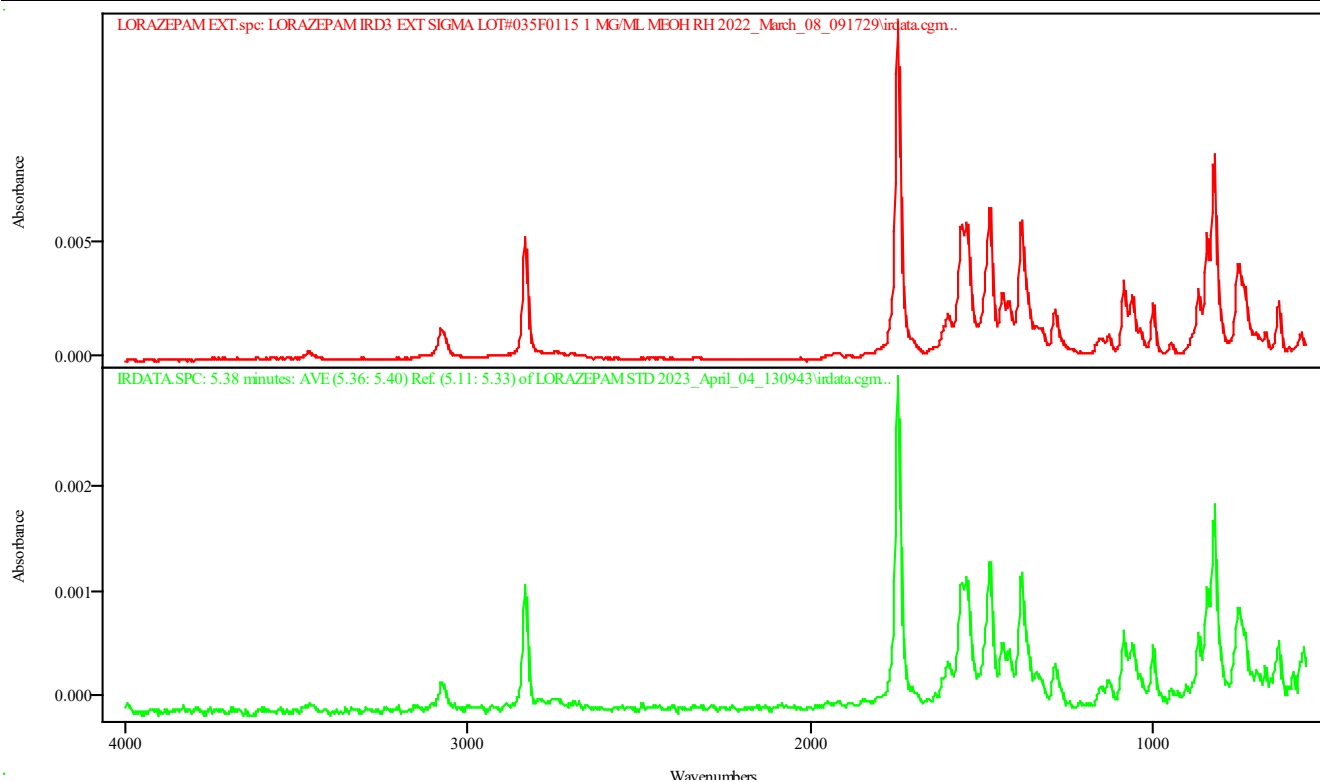
=====
Compound related custom fields
=====

Custom Field	Type	Mand.	Default Value
--------------	------	-------	---------------

None defined

IRD Data Analysis Report

Data Filename	LORAZEPAM STD 2023_April_04_130943
Data Path	C:/ASAP DATA/YODA 2023/Validation/Manual Inj. 4-4-23
IRD Method	IRD3 EXT
GC Method	MAN120TO270(20MIN).M
GC Vial	3
Sample Name	Lorazepam STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Apr 04 13:30:57 2023
Date Processed	Tue Apr 04 14:41:41 2023

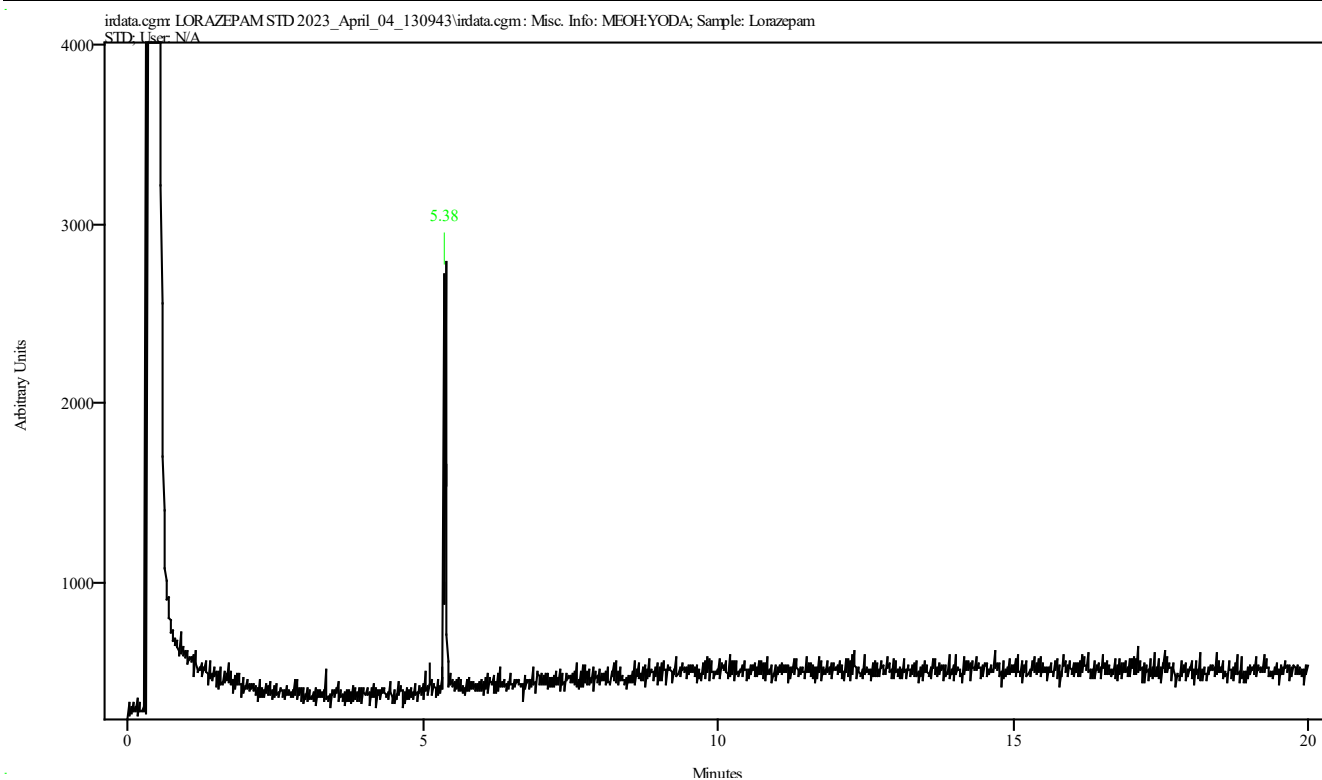


IRDATA.SPC: 5.38 minutes: AVE (5.36: 5.40) Ref. (5.11: 5.33) of LORAZEPAM STD
2023_April_04_130943.cgm

LORAZEPAM EXT.spc: LORAZEPAM IRD3 EXT SIGMA LOT#035F0115 1 MG/ML MEOH RH
2022_March_08_091729\irdata.cgm

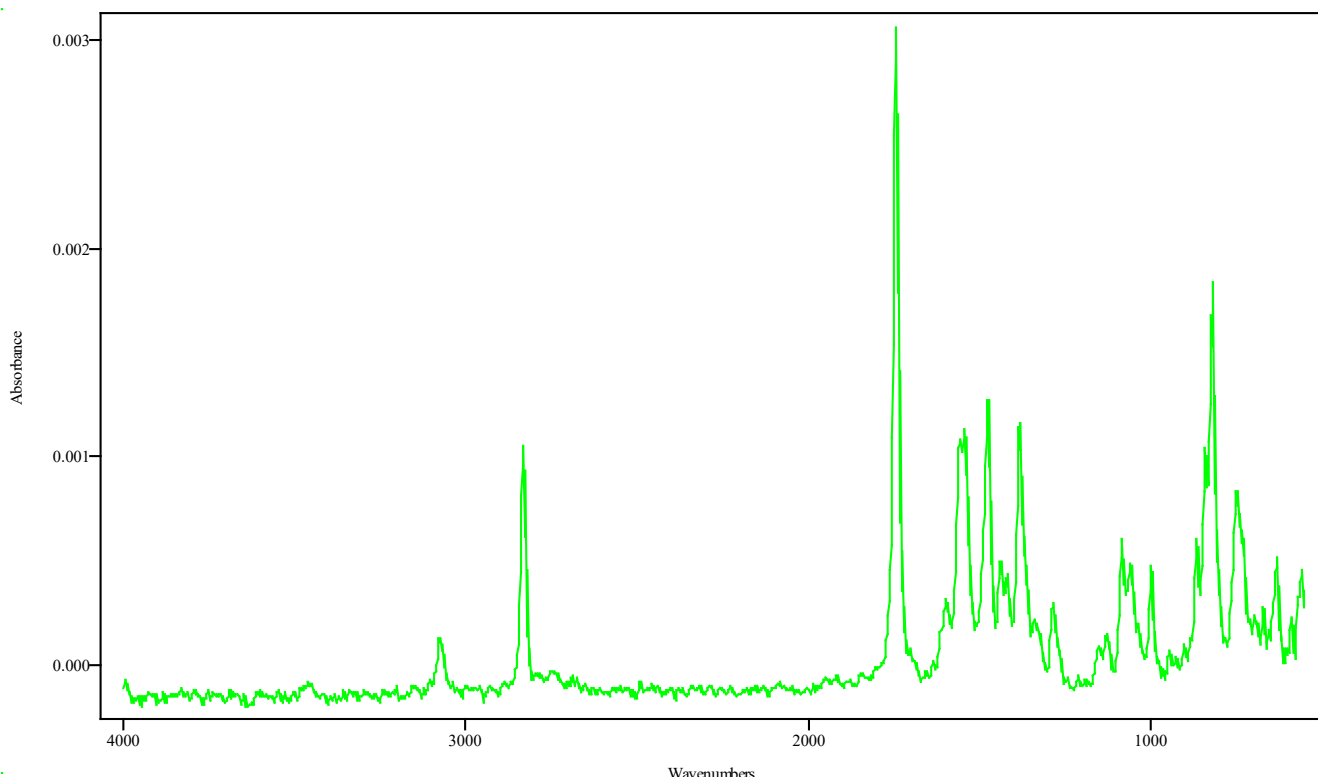
IRD Data Analysis Report

Data Filename	LORAZEPAM STD 2023_April_04_130943
Data Path	C:/ASAP DATA/YODA 2023/Validation/Manual Inj. 4-4-23
IRD Method	IRD3 EXT
GC Method	MAN120TO270(20MIN).M
GC Vial	3
Sample Name	Lorazepam STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Apr 04 13:30:57 2023
Date Processed	Tue Apr 04 14:41:03 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
5.355	5.399	0.044	5.114	5.333

Data Filename	LORAZEPAM STD 2023_April_04_130943
Data Path	C:/ASAP DATA/YODA 2023/Validation/Manual Inj. 4-4-23
IRD Method	IRD3 EXT
GC Method	MAN120TO270(20MIN).M
GC Vial	3
Sample Name	Lorazepam STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Apr 04 13:30:57 2023
Date Processed	Tue Apr 04 14:41:03 2023



IRDATA.SPC: 5.38 minutes: AVE (5.36: 5.40) Ref. (5.11: 5.33) of LORAZEPAM STD
2023_April_04_130943.cgm

Method Information

Method: C:\Users\Public\Documents\ChemStation\1
\Methods\MAN120TO270.M
Modified: 4/3/2023 at 10:58:44 AM

MANUAL 120 TO 270C, HOLD FOR 1 MIN @120C, RAMP @70C PER MIN TO 270C.
10 MINUTE METHOD.

Method Audit Trail

Operator : SYSTEM
Date : 2/19/2020 9:24:43 AM
Change Info: This method was created at 2/19/2020 9:24:43 AM and based on
method
'C:\Users\Public\Documents\ChemStation\1\Methods\120TO270.M'

Operator : SYSTEM
Date : 2/19/2020 9:24:44 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/19/2020 9:25:46 AM
Change Info: Method saved. User comment: "MANUAL METHOD FOR 120 TO 270"

Operator : SYSTEM
Date : 2/19/2020 10:06:15 AM
Change Info: Method saved. User comment: ""

Operator : GLENN EVERETT
Date : 3/8/2021 2:01:07 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/16/2023 10:53:50 AM
Change Info: Method saved. User comment: ""

Run Time Checklist

Pre-Run Cmd/Macro: off

Data Acquisition: on

Standard Data Analysis: on

Modify Custom Fields: off

Customized Data Analysis: off

Save GLP Data: off

Post-Run Cmd/Macro: off

Save Method with Data: off

Injection Source and Location

Injection Source: Manual

Injection Location: Front

=====

Agilent 8890

=====

Module Type: GC

Module Name: Agilent 8890

GC

GC Summary

Run Time 10 min

Post Run Time 0 min

Oven

Temperature

Setpoint On

(Initial) 120 °C

Hold Time 1 min

Post Run 120 °C

Program

#1 Rate 70 °C/min

#1 Value 270 °C

#1 Hold Time 6.8571 min

Equilibration Time 1 min

Max Temperature 325 °C

Maximum Temperature Override Disabled

Slow Fan Disabled

ALS

Front Injector

Syringe Size 10 µL

Injection Volume 1 µL

Solvent A Washes (PreInj) 3

Solvent A Washes (PostInj) 0

Solvent A Volume 8 µL

Solvent B Washes (PreInj) 3

Solvent B Washes (PostInj) 0

Solvent B Volume 8 µL

Sample Washes 1

Sample Wash Volume 8 µL

Sample Pumps 3

Dwell Time (PreInj) 0 min

Dwell Time (PostInj) 0 min

Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	3000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	3000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Solvent Wash Mode	A, B
Sample Overlap Mode	Sample overlap is not enabled
Front SS Inlet He Mode	Split
Heater	On 250 °C
Pressure	On 10.015 psi
Total Flow	On 12 mL/min
Septum Purge Flow	On 3 mL/min
Pre-Run Flow Test	Off
Gas Saver	On 15 mL/min after 2 min
Split Ratio	2 :1
Split Flow	6 mL/min
Liner	A Liner has not been selected.
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	3 mL/min
Post Run	2 mL/min
Temperature Range	-60 °C–325 °C (325 °C)
Dimensions	15 m x 320 µm x 1 µm
(Uncalibrated)	
Column lock	Unlocked
In	Front SS Inlet He
Out	Other
(Initial)	120 °C
Pressure	10.015 psi
Flow	3 mL/min
Average Velocity	60.612 cm/sec
Holdup Time	0.41246 min
Control Mode	Constant Flow
Column Outlet Pressure	0 psi
Detector Evaluation	
Perform Detector Evaluation Test	Off
Signal Selected	Signal #1: Diagnostics: Test
Plot {50 Hz}	
Checkout Sample	None
Signals	
Signal #1: Test Plot	

Description	Test Plot
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Front Sample

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

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

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

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

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

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

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

The Data Analysis Parameters of the used Method are :

```

=====
                        Integration Events
=====

```

```

-----
                        Non signal specific Integration Events
-----

```

Event	Value
Tangent Skim Mode	New Exponential
Tail Peak Skim Height Ratio	5.000
Front Peak Skim Height Ratio	5.000
Skim Valley Ratio	20.000
Baseline Correction	Advanced
Peak to Valley Ratio	500.000

Default Integration Event Table "Event"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_FID"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_NPD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_FPD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_uECD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_GC"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Apply Method's Manual Integration Events: No

Specify Report

Calculate: Area Percent
 Do not use Multiplier & Dilution Factor with ISTDs

Use Sample Data from Data File

Report mode: Classic
 Destination: File (Prefix: Report)
 Destination File Types: No destination file types selected
 Quantitative Results sorted by: Signal
 Report Style: (None)
 Sample info on each page: No
 Add Chromatogram Output: No
 Uncalibrated Peaks: Do Not Report

Signal Options

Include: Axes, Retention Times, Baselines, Tick Marks
 Font: Arial, Size: 8

Ranges: Full
 Multi Chromatograms: Separated, Each in full Scale

Calibration Table

General Calibration Setting

Calib. Data Modified :
 Signals calculated separately : No

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Signal Details

Overview Table

No Entries in table

Identification Details Table

No Entries in table

Peak Sum Table

No Entries in table

Component Details Table

No Entries in table

Sample related custom fields

Custom Field	Type	Mand.	Default Value
--------------	------	-------	---------------

None defined

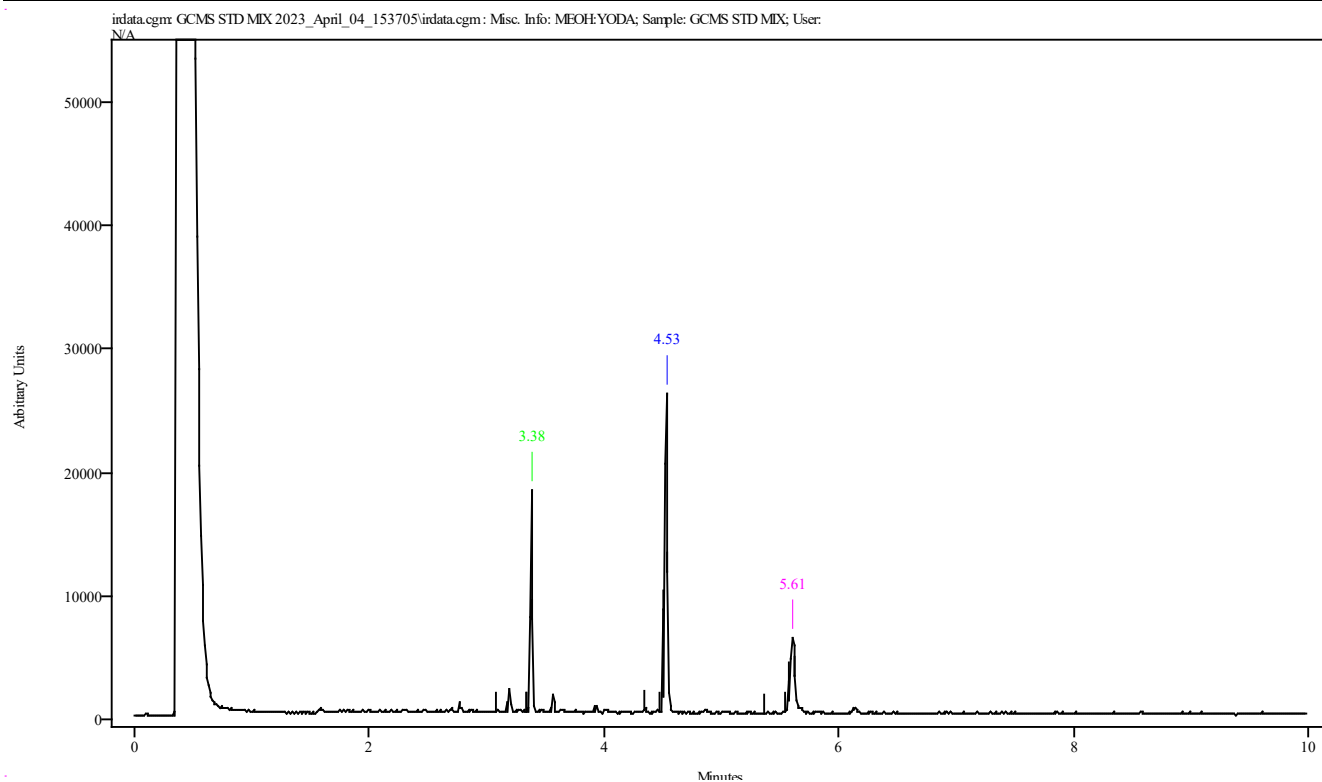
Compound related custom fields

Custom Field	Type	Mand.	Default Value
--------------	------	-------	---------------

None defined

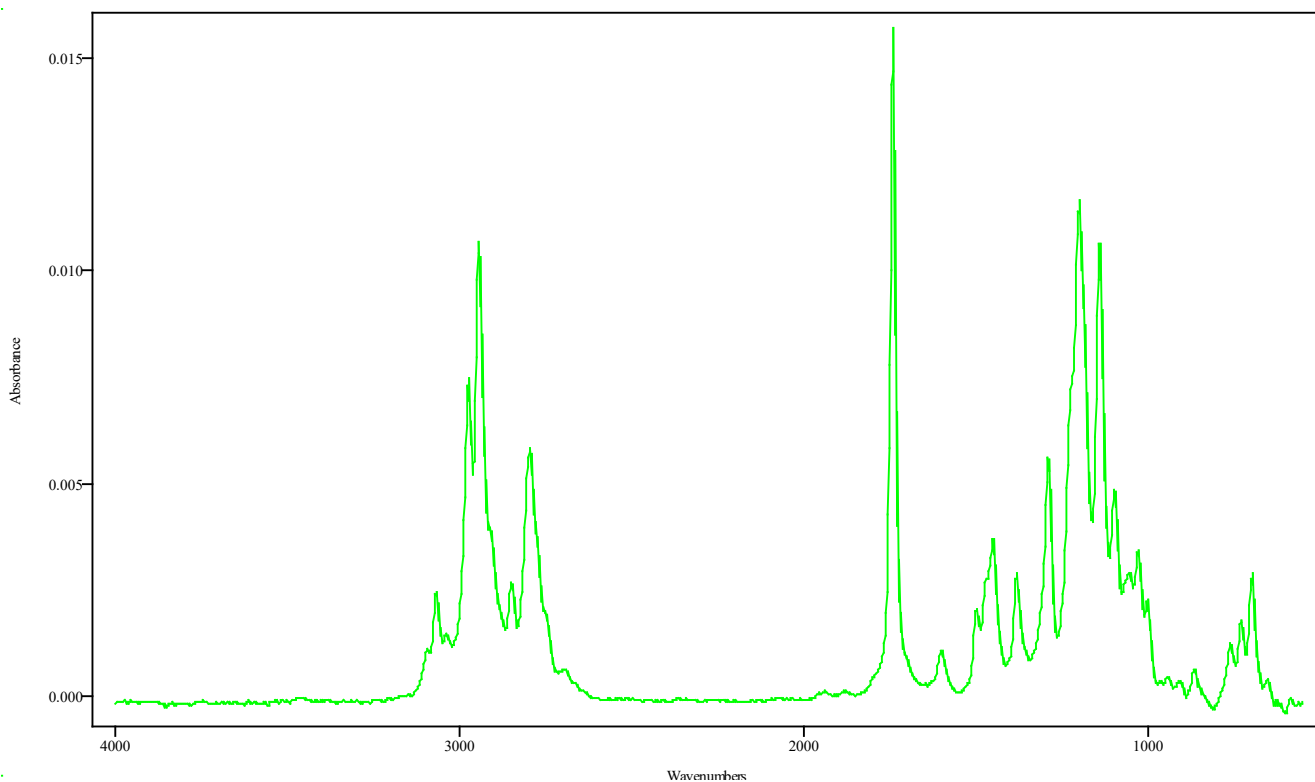
IRD Data Analysis Report

Data Filename	GCMS STD MIX 2023_April_04_153705
Data Path	C:/ASAP DATA/YODA 2023/Validation/Manual Inj. 4-4-23
IRD Method	IRD3 EXT
GC Method	MAN120TO270.M
GC Vial	3
Sample Name	GCMS STD MIX
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Apr 04 15:48:17 2023
Date Processed	Thu Apr 06 10:32:07 2023



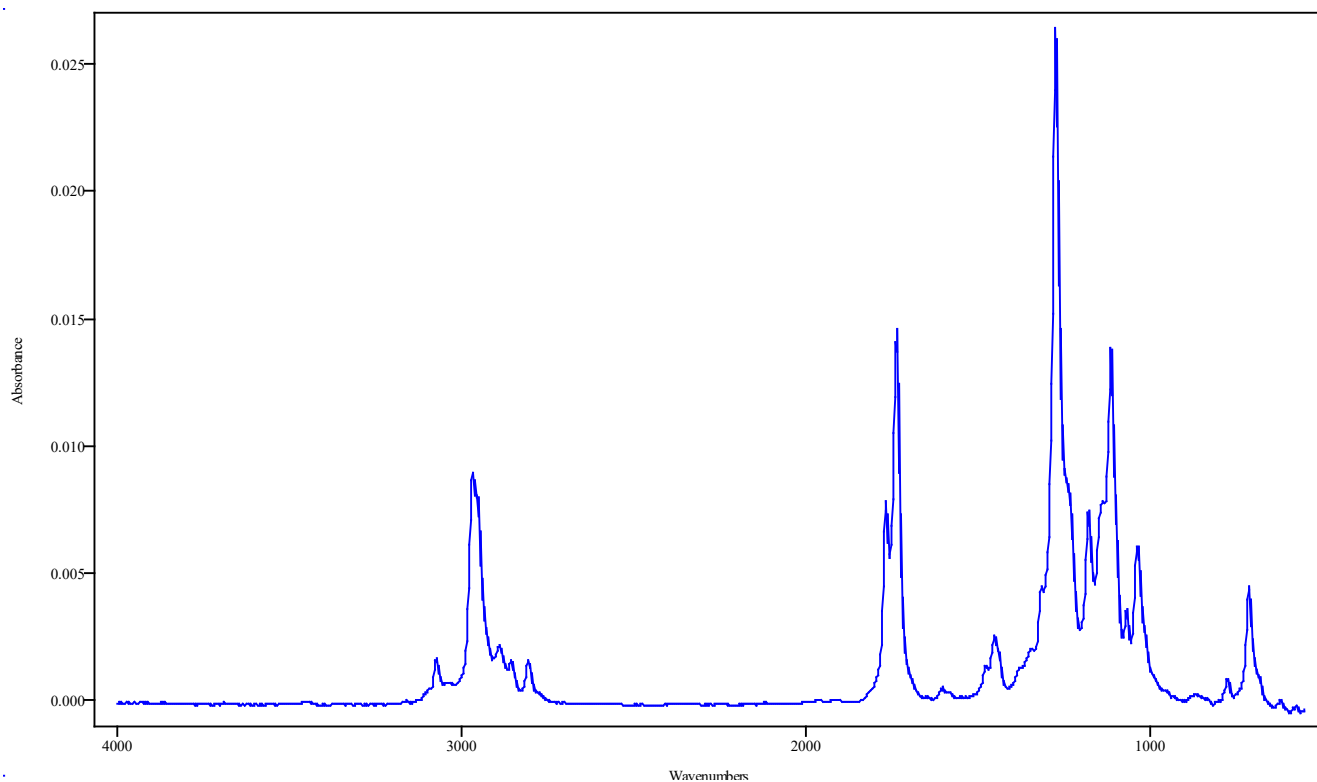
Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.340	3.395	0.055	3.077	3.340
4.512	4.544	0.033	4.347	4.479
5.585	5.628	0.044	5.366	5.541

Data Filename	GCMS STD MIX 2023_April_04_153705
Data Path	C:/ASAP DATA/YODA 2023/Validation/Manual Inj. 4-4-23
IRD Method	IRD3 EXT
GC Method	MAN120TO270.M
GC Vial	3
Sample Name	GCMS STD MIX
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Apr 04 15:48:17 2023
Date Processed	Thu Apr 06 10:32:07 2023



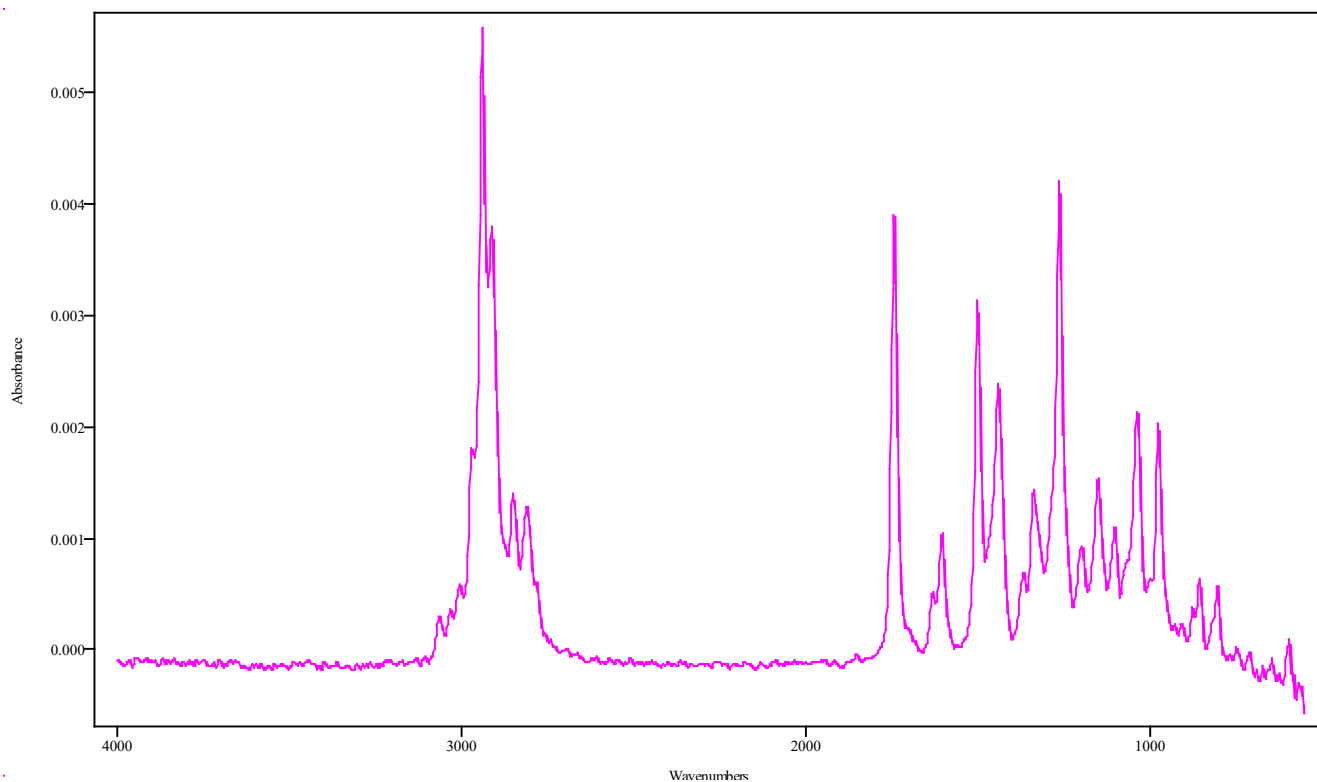
IRDATA.SPC: 3.38 minutes: AVE (3.34: 3.39) Ref. (3.08: 3.34) of GCMS STD MIX
2023_April_04_153705.cgm Pethidine

Data Filename	GCMS STD MIX 2023_April_04_153705
Data Path	C:/ASAP DATA/YODA 2023/Validation/Manual Inj. 4-4-23
IRD Method	IRD3 EXT
GC Method	MAN120TO270.M
GC Vial	3
Sample Name	GCMS STD MIX
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Apr 04 15:48:17 2023
Date Processed	Thu Apr 06 10:32:07 2023



IRDATA.SPC: 4.53 minutes: AVE (4.51: 4.54) Ref. (4.35: 4.48) of GCMS STD MIX
 2023_April_04_153705.cgm Cocaine

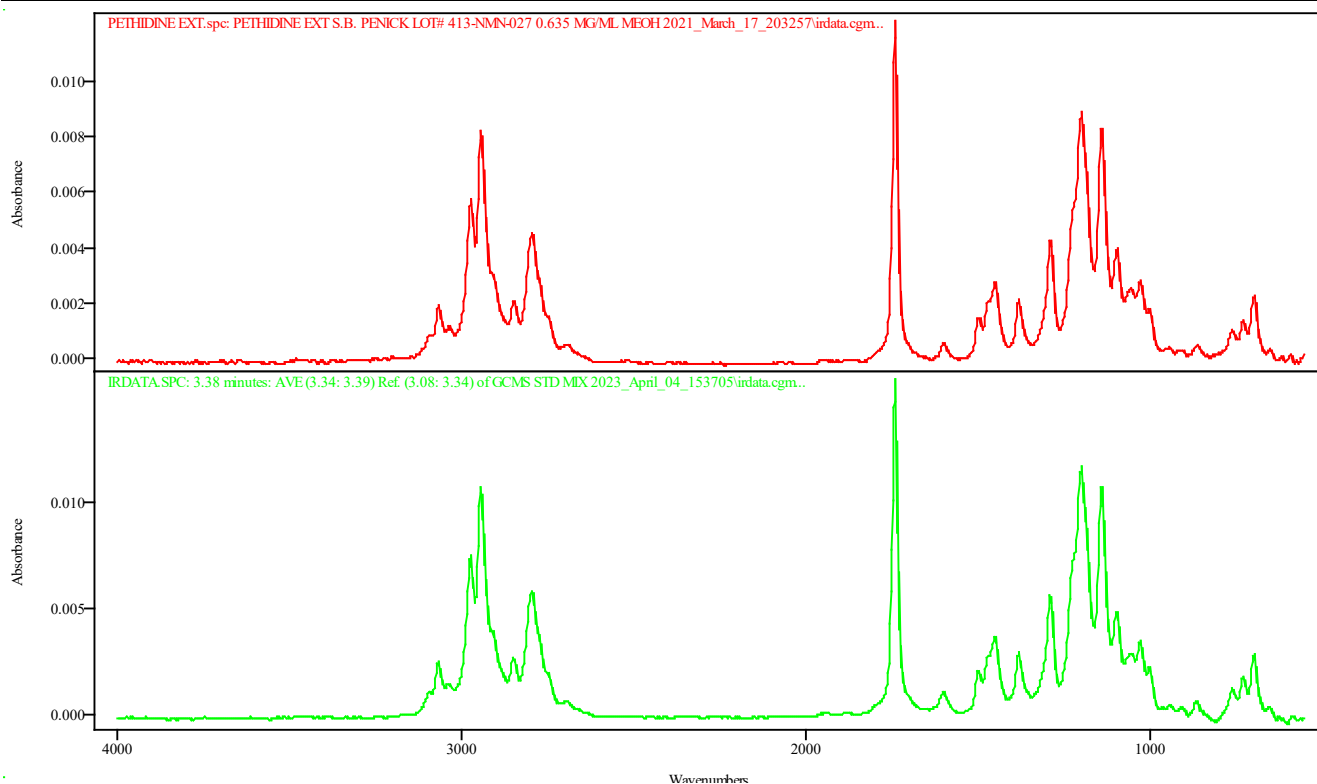
Data Filename	GCMS STD MIX 2023_April_04_153705
Data Path	C:/ASAP DATA/YODA 2023/Validation/Manual Inj. 4-4-23
IRD Method	IRD3 EXT
GC Method	MAN120TO270.M
GC Vial	3
Sample Name	GCMS STD MIX
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Apr 04 15:48:17 2023
Date Processed	Thu Apr 06 10:32:07 2023



IRDATA.SPC: 5.61 minutes: AVE (5.58: 5.63) Ref. (5.37: 5.54) of GCMS STD MIX
2023_April_04_153705.cgm Hydrocodone

IRD Data Analysis Report

Data Filename	GCMS STD MIX 2023_April_04_153705
Data Path	C:/ASAP DATA/YODA 2023/Validation/Manual Inj. 4-4-23
IRD Method	IRD3 EXT
GC Method	MAN120TO270.M
GC Vial	3
Sample Name	GCMS STD MIX
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Apr 04 15:48:17 2023
Date Processed	Thu Apr 06 10:47:36 2023

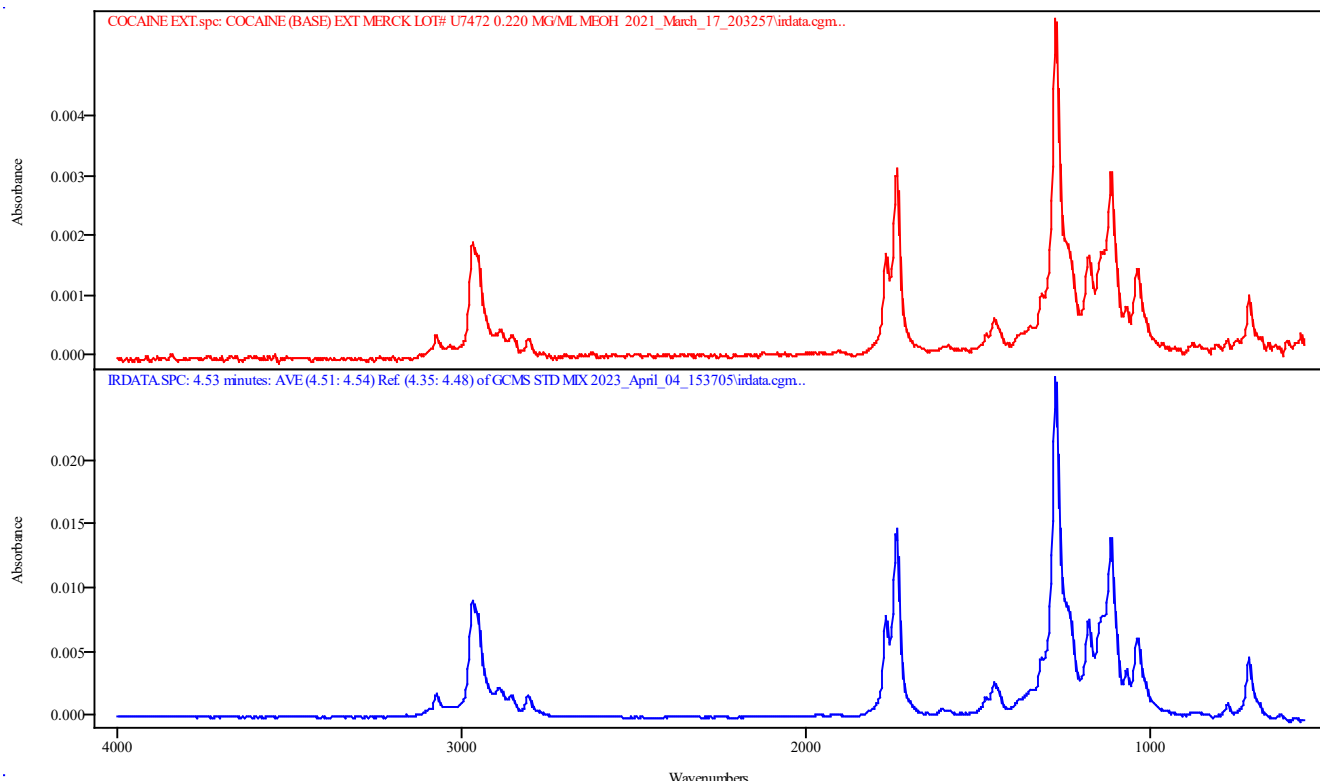


IRDATA.SPC: 3.38 minutes: AVE (3.34: 3.39) Ref. (3.08: 3.34) of GCMS STD MIX
2023_April_04_153705.cgm

PETHIDINE EXT.spc: PETHIDINE EXT S.B. PENICK LOT# 413-NMN-027 0.635 MG/ML MEOH
2021_March_17_203257\irdata.cgm

IRD Data Analysis Report

Data Filename	GCMS STD MIX 2023_April_04_153705
Data Path	C:/ASAP DATA/YODA 2023/Validation/Manual Inj. 4-4-23
IRD Method	IRD3 EXT
GC Method	MAN120TO270.M
GC Vial	3
Sample Name	GCMS STD MIX
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Apr 04 15:48:17 2023
Date Processed	Thu Apr 06 10:50:26 2023

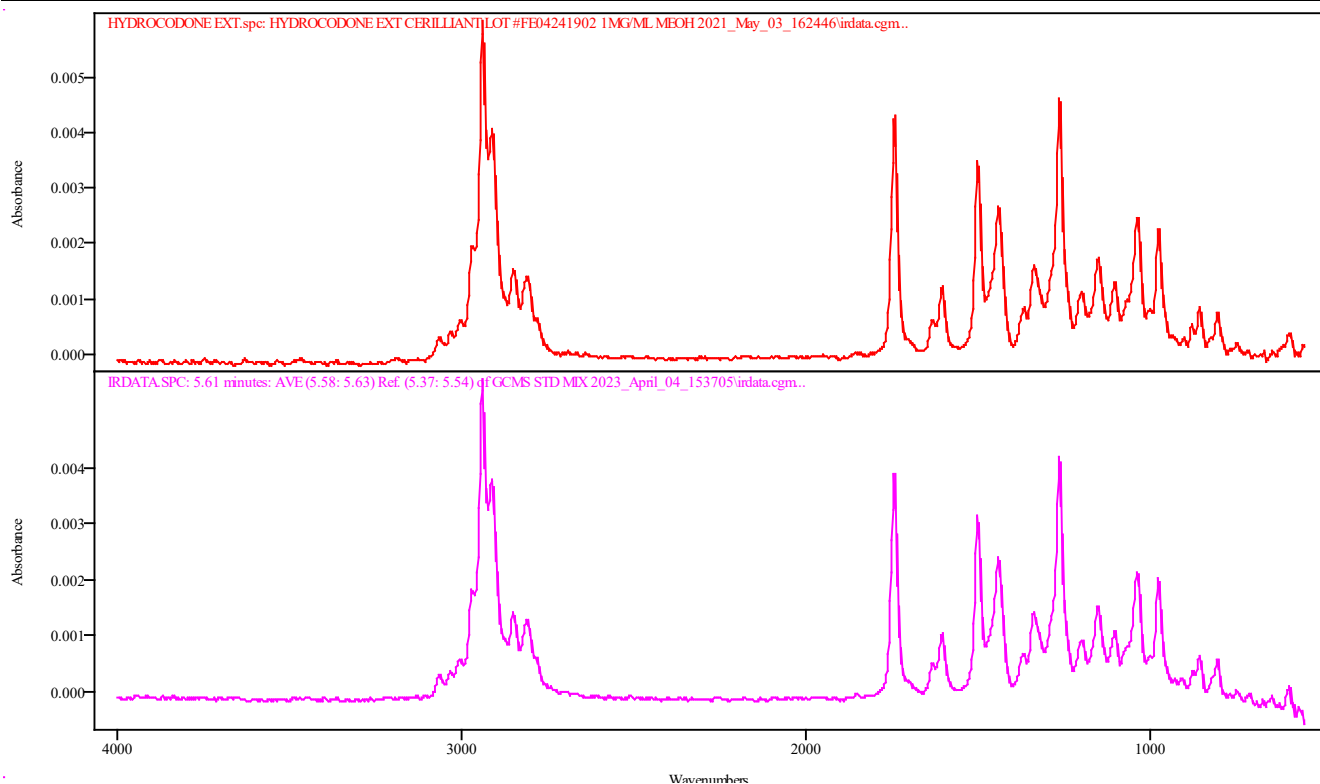


IRDATA.SPC: 4.53 minutes: AVE (4.51: 4.54) Ref. (4.35: 4.48) of GCMS STD MIX
2023_April_04_153705.cgm

COCAINE EXT.spc: COCAINE (BASE) EXT MERCK LOT# U7472 0.220 MG/ML MEOH
2021_March_17_203257\irdata.cgm

IRD Data Analysis Report

Data Filename	GCMS STD MIX 2023_April_04_153705
Data Path	C:/ASAP DATA/YODA 2023/Validation/Manual Inj. 4-4-23
IRD Method	IRD3 EXT
GC Method	MAN120TO270.M
GC Vial	3
Sample Name	GCMS STD MIX
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Apr 04 15:48:17 2023
Date Processed	Thu Apr 06 10:52:28 2023



IRDATA.SPC: 5.61 minutes: AVE (5.58: 5.63) Ref. (5.37: 5.54) of GCMS STD MIX
2023_April_04_153705.cgm

HYDROCODONE EXT.spc: HYDROCODONE EXT CERILLIANT LOT #FE04241902 1MG/ML
MEOH 2021_May_03_162446\irdata.cgm

Method Information

Method: C:\Users\P...uments\ChemStation\1\Methods\MAN200TO270
(20MIN).M
Modified: 4/3/2023 at 11:00:54 AM

MANUAL 200 TO 270C, HOLD FOR 1 MIN @200C, RAMP @70C PER MIN TO 270C.
20 MINUTE METHOD.

Method Audit Trail

Operator : SYSTEM
Date : 2/19/2020 9:40:51 AM
Change Info: This method was created at 2/19/2020 9:40:51 AM and based on
method
'C:\Users\Public\Documents\ChemStation\1\Methods\200TO270
(20MIN).M'

Operator : SYSTEM
Date : 2/19/2020 9:41:05 AM
Change Info: Method saved. User comment: "MANUAL METHOD FOR 200 TO 270 FOR 20
MINUTES"

Operator : SYSTEM
Date : 2/19/2020 9:44:36 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/19/2020 10:11:50 AM
Change Info: Method saved. User comment: ""

Operator : GLENN EVERETT
Date : 3/8/2021 2:01:25 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/16/2023 10:55:00 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 4/3/2023 11:00:54 AM
Change Info: Method saved. User comment: ""

Run Time Checklist

Pre-Run Cmd/Macro: off

Data Acquisition: on

Standard Data Analysis: on
Modify Custom Fields: off
Customized Data Analysis: off
Save GLP Data: off
Post-Run Cmd/Macro: off
Save Method with Data: off

Injection Source and Location

Injection Source: Manual
Injection Location: Front

Agilent 8890

Module Type: GC
Module Name: Agilent 8890

GC

GC Summary

Run Time	20 min
Post Run Time	0 min

Oven

Temperature

Setpoint	On
(Initial)	200 °C

Hold Time	1 min
-----------	-------

Post Run	120 °C
----------	--------

Program

#1 Rate	70 °C/min
---------	-----------

#1 Value	270 °C
----------	--------

#1 Hold Time	18 min
--------------	--------

Equilibration Time	1 min
--------------------	-------

Max Temperature	325 °C
-----------------	--------

Maximum Temperature Override	Disabled
------------------------------	----------

Slow Fan	Disabled
----------	----------

ALS

Front Injector

Syringe Size	10 µL
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Injection Volume	1 µL
------------------	------

Solvent A Washes (PreInj)	3
---------------------------	---

Solvent A Washes (PostInj)	0
----------------------------	---

Solvent A Volume	8 µL
------------------	------

Solvent B Washes (PreInj)	3
---------------------------	---

Solvent B Washes (PostInj)	0
Solvent B Volume	8 μ L
Sample Washes	1
Sample Wash Volume	8 μ L
Sample Pumps	3
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 μ L/min
Solvent Wash Dispense Speed	3000 μ L/min
Sample Wash Draw Speed	300 μ L/min
Sample Wash Dispense Speed	3000 μ L/min
Injection Dispense Speed	6000 μ L/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 μ L
Solvent Wash Mode	A, B
Sample Overlap	
Mode	Sample overlap is not enabled
Front SS Inlet He	
Mode	Split
Heater	On 250 $^{\circ}$ C
Pressure	On 12.775 psi
Total Flow	On 12 mL/min
Septum Purge Flow	On 3 mL/min
Pre-Run Flow Test	Off
Gas Saver	On 15 mL/min after 2 min
Split Ratio	2 :1
Split Flow	6 mL/min
Liner	A Liner has not been selected.
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	3 mL/min
Post Run	2 mL/min
Temperature Range	-60 $^{\circ}$ C-325 $^{\circ}$ C (325 $^{\circ}$ C)
Dimensions	15 m x 320 μ m x 1 μ m
(Uncalibrated)	
Column lock	Unlocked
In	Front SS Inlet He
Out	Other
(Initial)	200 $^{\circ}$ C
Pressure	12.775 psi
Flow	3 mL/min
Average Velocity	67.57 cm/sec
Holdup Time	0.36999 min
Control Mode	Constant Flow
Column Outlet Pressure	0 psi
Detector Evaluation	

Perform Detector Evaluation Test	Off
Signal Selected	Signal #1: Diagnostics: Test
Plot {50 Hz}	
Checkout Sample	None

Signals	
Signal #1: Test Plot	
Description	Test Plot
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Front Sample

Signal #2:	
Description	None

Signal #3:	
Description	None

Signal #4:	
Description	None

Signal #5:	
Description	None

Signal #6:	
Description	None

Signal #7:	
Description	None

Signal #8:	
Description	None

The Data Analysis Parameters of the used Method are :

```
=====
                        Integration Events
=====
```

```
-----
Non signal specific Integration Events
-----
```

Event	Value
-----	-----

Tangent Skim Mode	New Exponential
Tail Peak Skim Height Ratio	5.000
Front Peak Skim Height Ratio	5.000
Skim Valley Ratio	20.000
Baseline Correction	Advanced
Peak to Valley Ratio	500.000

Default Integration Event Table "Event"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_FID"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial

Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_NPD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_FPD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_uECD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_GC"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Apply Method's Manual Integration Events: No

=====
Specify Report
=====

Calculate: Area Percent
Do not use Multiplier & Dilution Factor with ISTDs

Use Sample Data from Data File
Report mode: Classic
Destination: File (Prefix: Report)
Destination File Types: No destination file types selected
Quantitative Results sorted by: Signal
Report Style: (None)
Sample info on each page: No
Add Chromatogram Output: No
Uncalibrated Peaks: Do Not Report

=====
Signal Options
=====

Include: Axes, Retention Times, Baselines, Tick Marks
Font: Arial, Size: 8

Ranges: Full
Multi Chromatograms: Separated, Each in full Scale

=====
Calibration Table
=====

General Calibration Setting

Calib. Data Modified :
Signals calculated separately : No

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Signal Details

Overview Table

No Entries in table

Identification Details Table

No Entries in table

Peak Sum Table

No Entries in table

Component Details Table

No Entries in table

Sample related custom fields

Custom Field	Type	Mand.	Default Value
--------------	------	-------	---------------

None defined

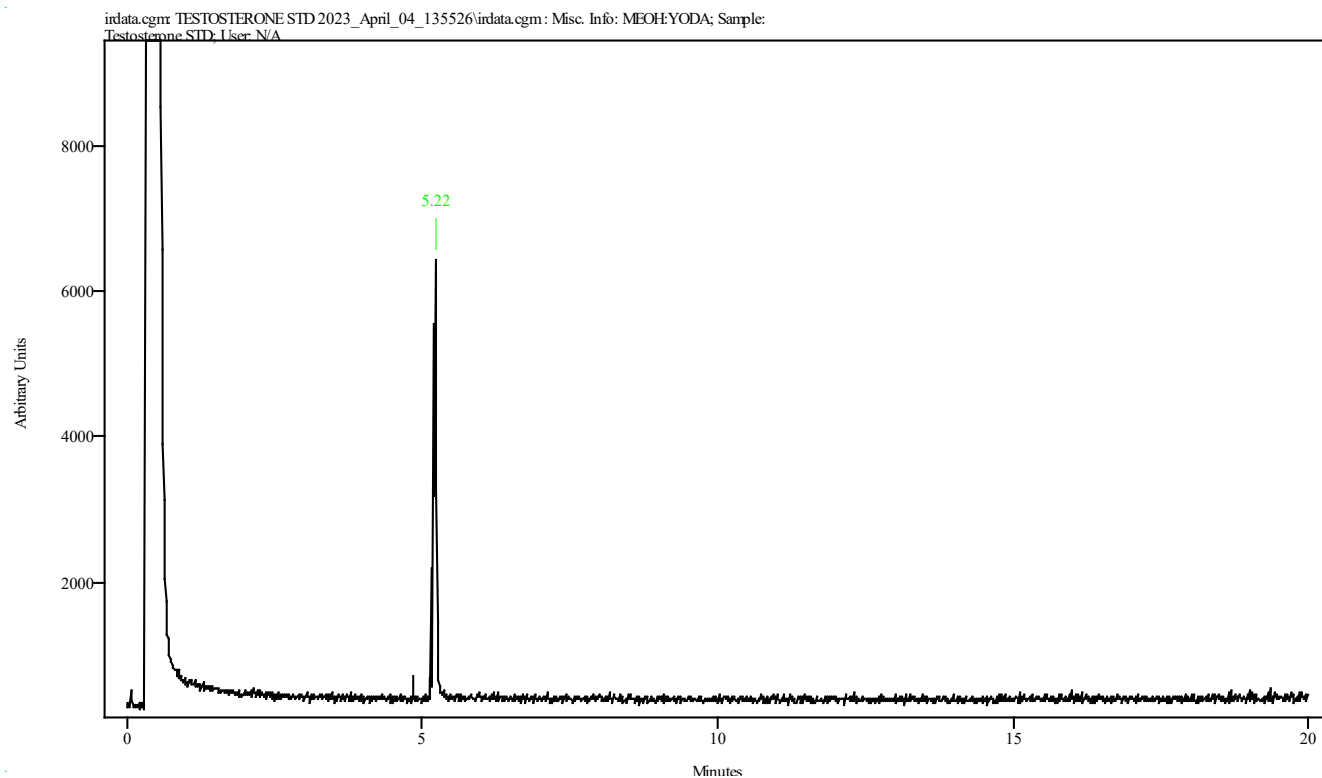
Compound related custom fields

Custom Field	Type	Mand.	Default Value
--------------	------	-------	---------------

None defined

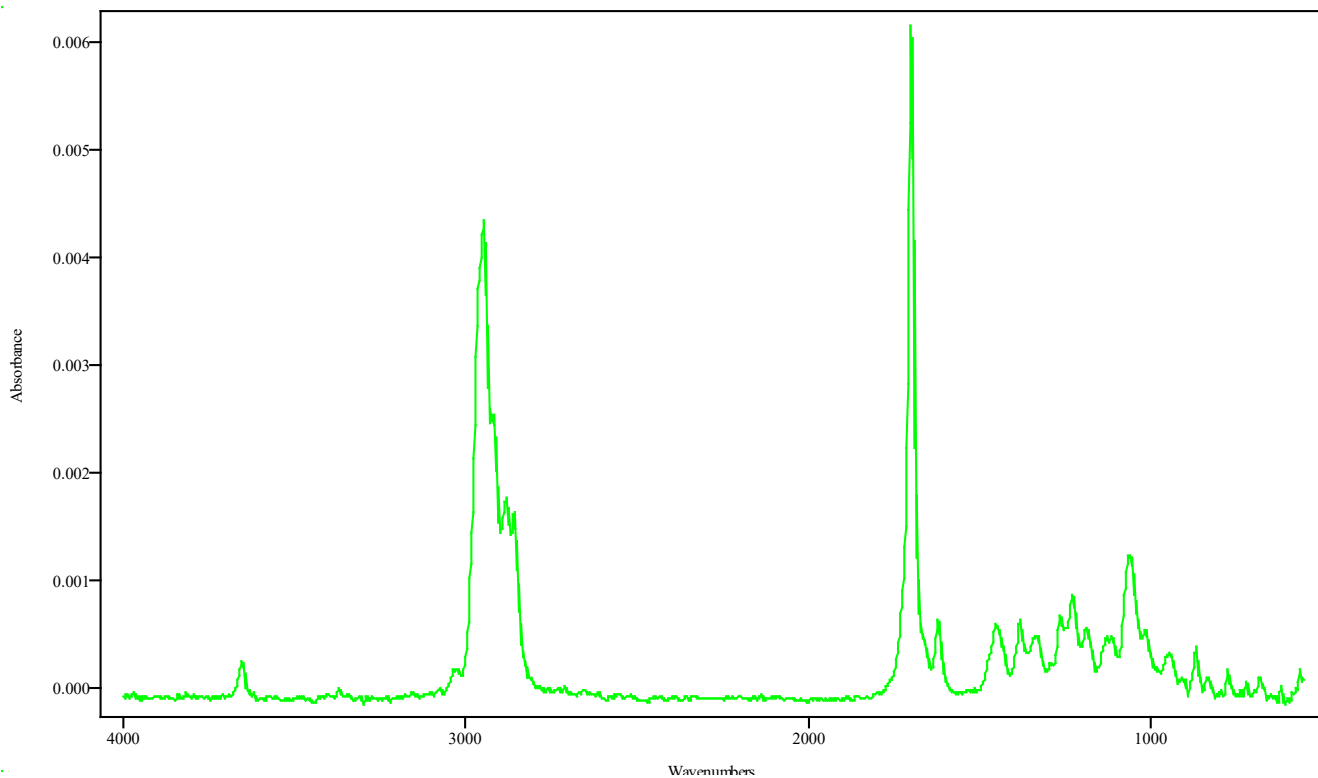
IRD Data Analysis Report

Data Filename	TESTOSTERONE STD 2023_April_04_135526
Data Path	C:/ASAP DATA/YODA 2023/Validation/Manual Inj. 4-4-23
IRD Method	IRD3 EXT
GC Method	MAN200TO270(20MIN).M
GC Vial	3
Sample Name	Testosterone STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Apr 04 14:16:39 2023
Date Processed	Tue Apr 04 14:29:57 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
5.185	5.239	0.055	4.846	5.108

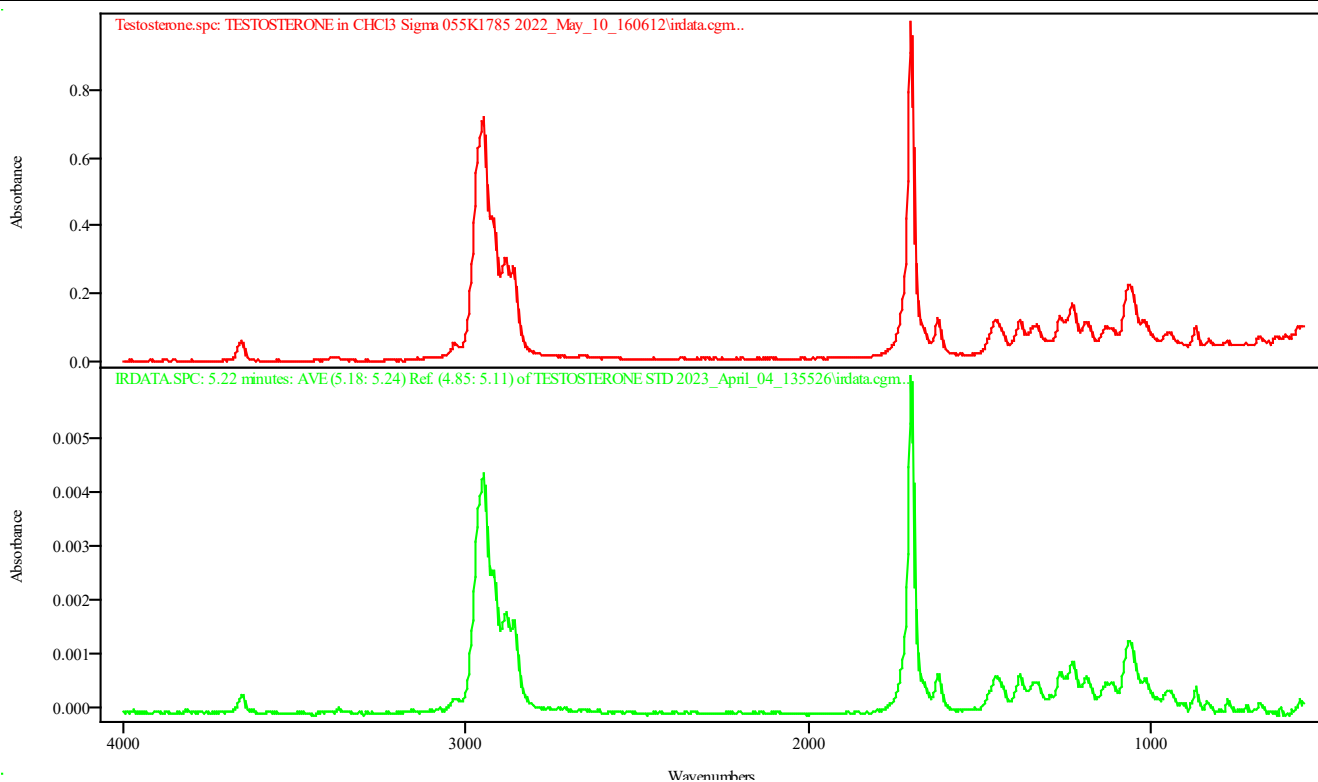
Data Filename	TESTOSTERONE STD 2023_April_04_135526
Data Path	C:/ASAP DATA/YODA 2023/Validation/Manual Inj. 4-4-23
IRD Method	IRD3 EXT
GC Method	MAN200TO270(20MIN).M
GC Vial	3
Sample Name	Testosterone STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Apr 04 14:16:39 2023
Date Processed	Tue Apr 04 14:29:57 2023



IRDATA.SPC: 5.22 minutes: AVE (5.18: 5.24) Ref. (4.85: 5.11) of TESTOSTERONE STD
2023_April_04_135526.cgm

IRD Data Analysis Report

Data Filename	TESTOSTERONE STD 2023_April_04_135526
Data Path	C:/ASAP DATA/YODA 2023/Validation/Manual Inj. 4-4-23
IRD Method	IRD3 EXT
GC Method	MAN200TO270(20MIN).M
GC Vial	3
Sample Name	Testosterone STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Apr 04 14:16:39 2023
Date Processed	Tue Apr 04 14:40:20 2023



IRDATA.SPC: 5.22 minutes: AVE (5.18: 5.24) Ref. (4.85: 5.11) of TESTOSTERONE STD
2023_April_04_135526.cgm

Testosterone.spc: TESTOSTERONE in CHCl3 Sigma 055K1785 2022_May_10_160612\irdata.cgm

Method Information

Method: C:\Users\Public\Documents\ChemStation\1
\Methods\MAN200TO270.M
Modified: 4/3/2023 at 11:01:04 AM

MANUAL 200 TO 270C, HOLD FOR 1 MIN @200C, RAMP @70C PER MIN TO 270C.
10 MINUTE METHOD.

Method Audit Trail

Operator : SYSTEM
Date : 2/19/2020 9:30:39 AM
Change Info: This method was created at 2/19/2020 9:30:39 AM and based on
method
'C:\Users\Public\Documents\ChemStation\1\Methods\200TO270.M'

Operator : SYSTEM
Date : 2/19/2020 9:30:51 AM
Change Info: Method saved. User comment: "MANUAL METHOD FOR 200 TO 270"

Operator : SYSTEM
Date : 2/19/2020 9:39:42 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/19/2020 10:09:46 AM
Change Info: Method saved. User comment: ""

Operator : GLENN EVERETT
Date : 3/8/2021 2:01:46 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/16/2023 10:56:16 AM
Change Info: Method saved. User comment: ""

Run Time Checklist

Pre-Run Cmd/Macro: off

Data Acquisition: on

Standard Data Analysis: on

Modify Custom Fields: off

Customized Data Analysis: off

Save GLP Data: off

Post-Run Cmd/Macro: off

Save Method with Data: off

Injection Source and Location

Injection Source: Manual

Injection Location: Front

=====

Agilent 8890

=====

Module Type: GC

Module Name: Agilent 8890

GC

GC Summary

Run Time	10 min
----------	--------

Post Run Time	0 min
---------------	-------

Oven

Temperature

Setpoint	On
----------	----

(Initial)	200 °C
-----------	--------

Hold Time	1 min
-----------	-------

Post Run	120 °C
----------	--------

Program

#1 Rate	70 °C/min
---------	-----------

#1 Value	270 °C
----------	--------

#1 Hold Time	8 min
--------------	-------

Equilibration Time	1 min
--------------------	-------

Max Temperature	325 °C
-----------------	--------

Maximum Temperature Override	Disabled
------------------------------	----------

Slow Fan	Disabled
----------	----------

ALS

Front Injector

Syringe Size	10 µL
--------------	-------

Injection Volume	1 µL
------------------	------

Solvent A Washes (PreInj)	3
---------------------------	---

Solvent A Washes (PostInj)	0
----------------------------	---

Solvent A Volume	8 µL
------------------	------

Solvent B Washes (PreInj)	3
---------------------------	---

Solvent B Washes (PostInj)	0
----------------------------	---

Solvent B Volume	8 µL
------------------	------

Sample Washes	1
---------------	---

Sample Wash Volume	8 µL
--------------------	------

Sample Pumps	3
--------------	---

Dwell Time (PreInj)	0 min
---------------------	-------

Dwell Time (PostInj)	0 min
----------------------	-------

Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	3000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	3000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Solvent Wash Mode	A, B
Sample Overlap Mode	Sample overlap is not enabled
Front SS Inlet Heater	Split
Mode	On 250 °C
Pressure	On 12.775 psi
Total Flow	On 12 mL/min
Septum Purge Flow	On 3 mL/min
Pre-Run Flow Test	Off
Gas Saver	On 15 mL/min after 2 min
Split Ratio	2 :1
Split Flow	6 mL/min
Liner	A Liner has not been selected.
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	3 mL/min
Post Run	2 mL/min
Temperature Range	-60 °C–325 °C (325 °C)
Dimensions	15 m x 320 µm x 1 µm
(Uncalibrated)	
Column lock	Unlocked
In	Front SS Inlet He
Out	Other
(Initial)	200 °C
Pressure	12.775 psi
Flow	3 mL/min
Average Velocity	67.57 cm/sec
Holdup Time	0.36999 min
Control Mode	Constant Flow
Column Outlet Pressure	0 psi
Detector Evaluation	
Perform Detector Evaluation Test	Off
Signal Selected	Signal #1: Diagnostics: Test
Plot {50 Hz}	
Checkout Sample	None
Signals	
Signal #1: Test Plot	

Description	Test Plot
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Front Sample

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

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

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

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

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

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

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

The Data Analysis Parameters of the used Method are :

```
=====
                        Integration Events
=====
```

```
-----
                        Non signal specific Integration Events
-----
```

Event	Value
Tangent Skim Mode	New Exponential
Tail Peak Skim Height Ratio	5.000
Front Peak Skim Height Ratio	5.000
Skim Valley Ratio	20.000
Baseline Correction	Advanced
Peak to Valley Ratio	500.000

Default Integration Event Table "Event"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_FID"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_NPD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_FPD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_uECD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_GC"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Apply Method's Manual Integration Events: No

Specify Report

Calculate: Area Percent
Do not use Multiplier & Dilution Factor with ISTDs

Use Sample Data from Data File

Report mode: Classic
Destination: File (Prefix: Report)
Destination File Types: No destination file types selected
Quantitative Results sorted by: Signal
Report Style: (None)
Sample info on each page: No
Add Chromatogram Output: No
Uncalibrated Peaks: Do Not Report

Signal Options

Include: Axes, Retention Times, Baselines, Tick Marks
Font: Arial, Size: 8

Ranges: Full
Multi Chromatograms: Separated, Each in full Scale

Calibration Table

General Calibration Setting

Calib. Data Modified :
Signals calculated separately : No

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Signal Details

Overview Table

No Entries in table

Identification Details Table

No Entries in table

Peak Sum Table

No Entries in table

Component Details Table

No Entries in table

Sample related custom fields

Custom Field	Type	Mand.	Default Value
--------------	------	-------	---------------

None defined

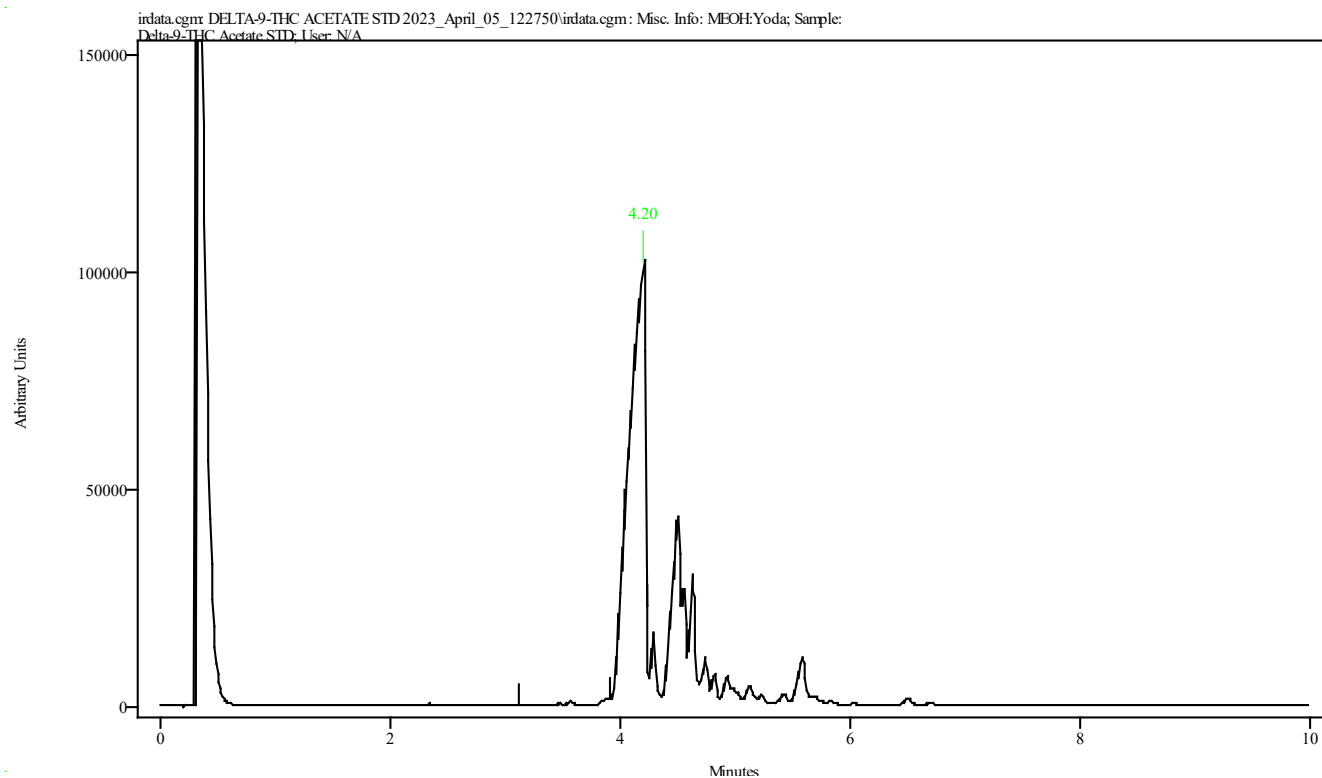
Compound related custom fields

Custom Field	Type	Mand.	Default Value
--------------	------	-------	---------------

None defined

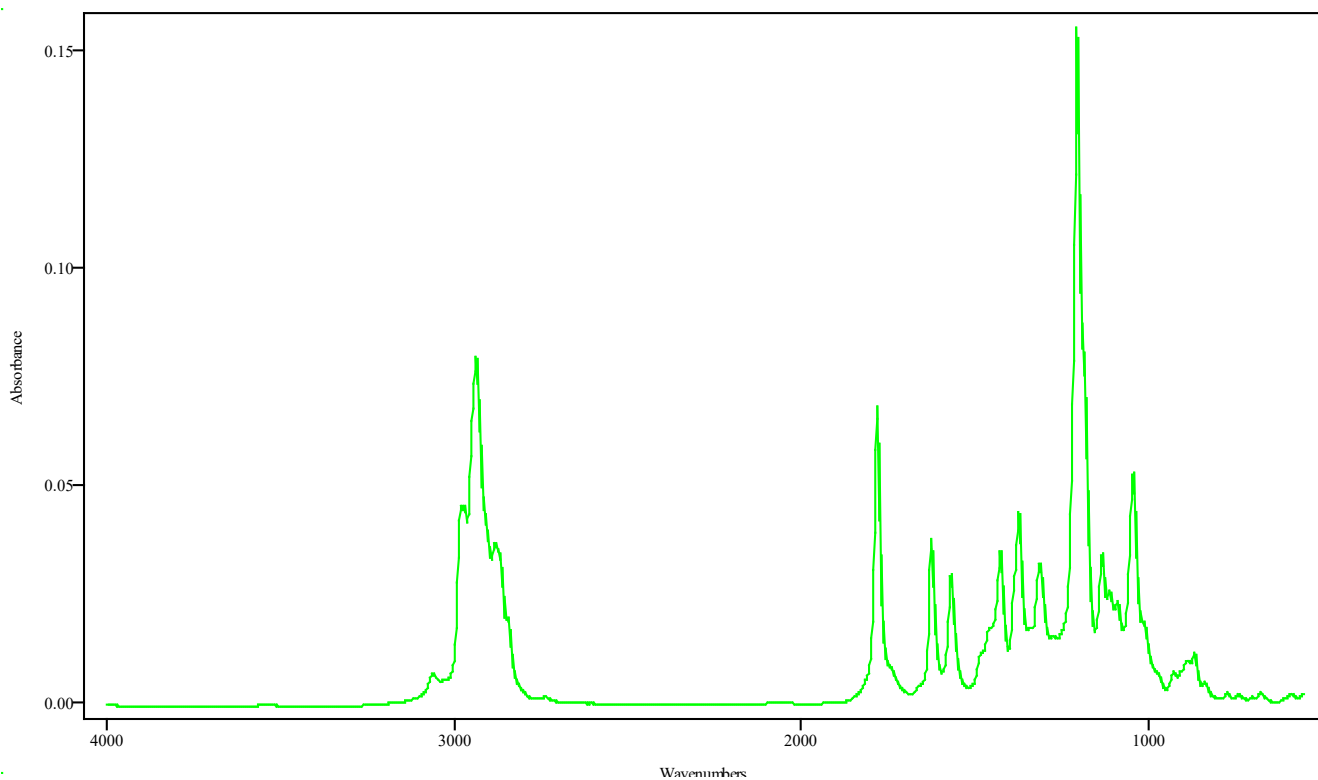
IRD Data Analysis Report

Data Filename	DELTA-9-THC ACETATE STD 2023_April_05_122750
Data Path	C:/ASAP DATA/YODA 2023/Validation/Manual Inj. 4-5-23
IRD Method	IRD3 EXT
GC Method	MAN200TO270.M
GC Vial	3
Sample Name	Delta-9-THC Acetate STD
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Wed Apr 05 12:39:03 2023
Date Processed	Wed Apr 05 12:40:06 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
4.048	4.234	0.186	3.129	3.917

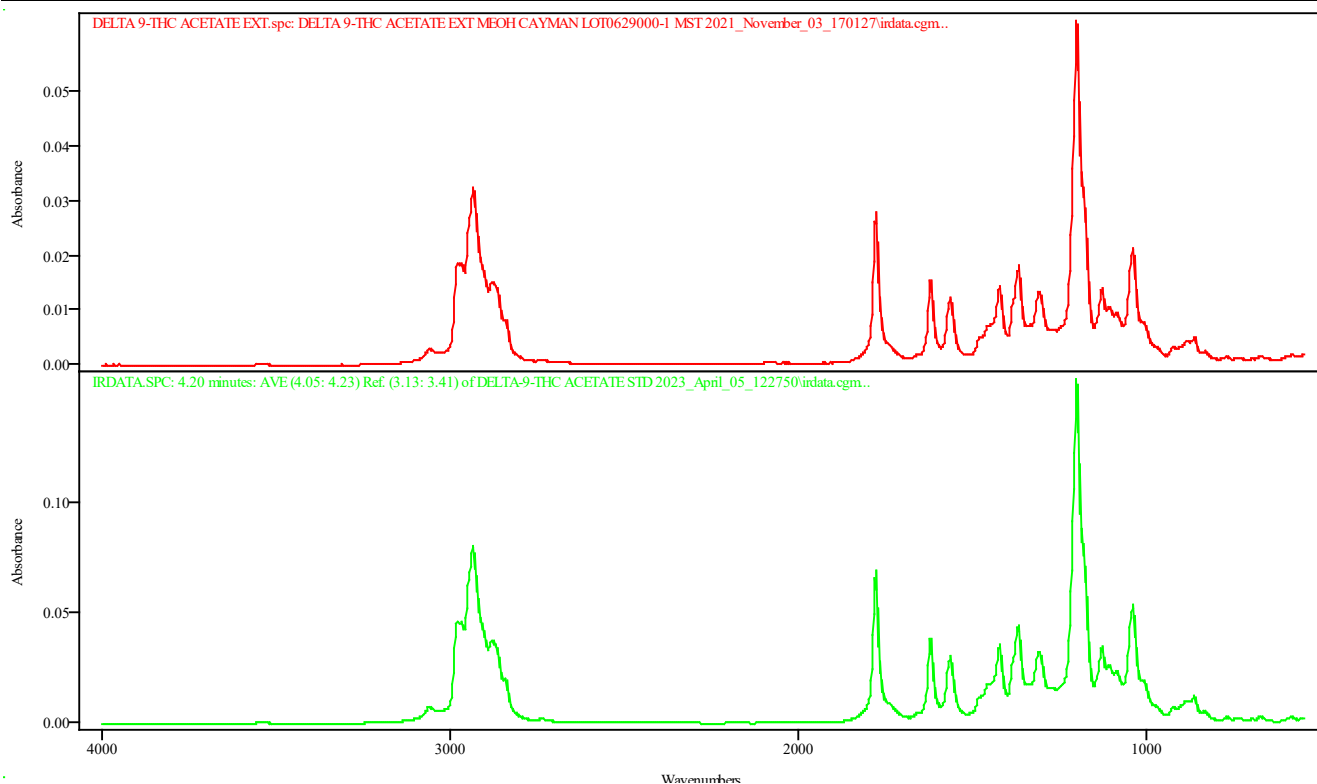
Data Filename	DELTA-9-THC ACETATE STD 2023_April_05_122750
Data Path	C:/ASAP DATA/YODA 2023/Validation/Manual Inj. 4-5-23
IRD Method	IRD3 EXT
GC Method	MAN200TO270.M
GC Vial	3
Sample Name	Delta-9-THC Acetate STD
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Wed Apr 05 12:39:03 2023
Date Processed	Wed Apr 05 12:40:06 2023



IRDATA.SPC: 4.20 minutes: AVE (4.05: 4.23) Ref. (3.13: 3.92) of DELTA-9-THC ACETATE STD 2023_April_05_122750.cgm

IRD Data Analysis Report

Data Filename	DELTA-9-THC ACETATE STD 2023_April_05_122750
Data Path	C:/ASAP DATA/YODA 2023/Validation/Manual Inj. 4-5-23
IRD Method	IRD3 EXT
GC Method	MAN200TO270.M
GC Vial	3
Sample Name	Delta-9-THC Acetate STD
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Wed Apr 05 12:39:03 2023
Date Processed	Fri Apr 14 09:16:03 2023



IRDATA.SPC: 4.20 minutes: AVE (4.05: 4.23) Ref. (3.13: 3.41) of DELTA-9-THC ACETATE STD 2023_April_05_122750.cgm

DELTA 9-THC ACETATE EXT.spc: DELTA 9-THC ACETATE EXT MEOH CAYMAN LOT0629000-1 MST 2021_November_03_170127\irdata.cgm

Method Information

Method: C:\Users\P...ocuments\ChemStation\1\Methods\MANISO270
(20MIN).M
Modified: 4/3/2023 at 11:02:18 AM

MANUAL ISO270C, HOLD FOR 20 MIN @270C, 20 MINUTE METHOD.

Method Audit Trail

Operator : SYSTEM
Date : 2/19/2020 9:49:43 AM
Change Info: This method was created at 2/19/2020 9:49:43 AM and based on
method
'C:\Users\Public\Documents\ChemStation\1\Methods\ISO270
(20MIN).M'

Operator : SYSTEM
Date : 2/19/2020 9:49:57 AM
Change Info: Method saved. User comment: "MANUAL ISO 270 FOR 20 MINUTES"

Operator : SYSTEM
Date : 2/19/2020 9:51:18 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/19/2020 10:13:24 AM
Change Info: Method saved. User comment: ""

Operator : GLENN EVERETT
Date : 3/8/2021 2:03:13 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/16/2023 10:58:46 AM
Change Info: Method saved. User comment: ""

Run Time Checklist

Pre-Run Cmd/Macro: off

Data Acquisition: on

Standard Data Analysis: on

Modify Custom Fields: off

Customized Data Analysis: off

Save GLP Data: off

Post-Run Cmd/Macro: off

Save Method with Data: off

Injection Source and Location

Injection Source: Manual

Injection Location: Front

=====

Agilent 8890

=====

Module Type: GC

Module Name: Agilent 8890

GC

GC Summary

Run Time 20 min

Post Run Time 0 min

Oven

Temperature

Setpoint On

(Initial) 270 °C

Hold Time 20 min

Post Run 120 °C

Equilibration Time 1 min

Max Temperature 325 °C

Maximum Temperature Override Disabled

Slow Fan Disabled

ALS

Front Injector

Syringe Size 10 µL

Injection Volume 1 µL

Solvent A Washes (PreInj) 3

Solvent A Washes (PostInj) 0

Solvent A Volume 8 µL

Solvent B Washes (PreInj) 3

Solvent B Washes (PostInj) 0

Solvent B Volume 8 µL

Sample Washes 1

Sample Wash Volume 8 µL

Sample Pumps 3

Dwell Time (PreInj) 0 min

Dwell Time (PostInj) 0 min

Solvent Wash Draw Speed 300 µL/min

Solvent Wash Dispense Speed 3000 µL/min

Sample Wash Draw Speed 300 µL/min

Sample Wash Dispense Speed 3000 µL/min

Injection Dispense Speed 6000 µL/min

Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Solvent Wash Mode	A, B
Sample Overlap Mode	Sample overlap is not enabled
Front SS Inlet He Mode	Split
Heater	On 250 °C
Pressure	On 15.224 psi
Total Flow	On 12 mL/min
Septum Purge Flow	On 3 mL/min
Pre-Run Flow Test	Off
Gas Saver	On 15 mL/min after 2 min
Split Ratio	2 :1
Split Flow	6 mL/min
Liner	A Liner has not been selected.
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	3 mL/min
Post Run	2 mL/min
Temperature Range	-60 °C–325 °C (325 °C)
Dimensions	15 m x 320 µm x 1 µm
(Uncalibrated)	
Column lock	Unlocked
In	Front SS Inlet He
Out	Other
(Initial)	270 °C
Pressure	15.224 psi
Flow	3 mL/min
Average Velocity	72.73 cm/sec
Holdup Time	0.34374 min
Control Mode	Constant Flow
Column Outlet Pressure	0 psi
Detector Evaluation	
Perform Detector Evaluation Test	Off
Signal Selected	Signal #1: Diagnostics: Test
Plot {50 Hz}	
Checkout Sample	None
Signals	
Signal #1: Test Plot	
Description	Test Plot
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Front Sample

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

The Data Analysis Parameters of the used Method are :

```
=====
                        Integration Events
=====
```

```
-----
Non signal specific Integration Events
-----
```

Event	Value
Tangent Skim Mode	New Exponential
Tail Peak Skim Height Ratio	5.000
Front Peak Skim Height Ratio	5.000
Skim Valley Ratio	20.000
Baseline Correction	Advanced
Peak to Valley Ratio	500.000

```
-----
Default Integration Event Table "Event"
-----
```

Event	Value	Time
-------	-------	------

Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_FID"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.080	Initial

Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_NPD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_FPD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_uECD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_GC"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial

Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Apply Method's Manual Integration Events: No

=====
Specify Report
=====

Calculate: Area Percent
Do not use Multiplier & Dilution Factor with ISTDs

Use Sample Data from Data File

Report mode: Classic
Destination: File (Prefix: Report)
Destination File Types: No destination file types selected
Quantitative Results sorted by: Signal
Report Style: (None)
Sample info on each page: No
Add Chromatogram Output: No
Uncalibrated Peaks: Do Not Report

=====
Signal Options
=====

Include: Axes, Retention Times, Baselines, Tick Marks
Font: Arial, Size: 8

Ranges: Full
Multi Chromatograms: Separated, Each in full Scale

=====
Calibration Table
=====

General Calibration Setting

Calib. Data Modified :
Signals calculated separately : No

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported

Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
 Calibration Table after Recalibration
 Normal Report after Recalibration
If the sequence is done with bracketing:
 Results of first cycle (ending previous bracket)

Signal Details

Overview Table

No Entries in table

Identification Details Table

No Entries in table

Peak Sum Table

No Entries in table

Component Details Table

No Entries in table

=====

Sample related custom fields

=====

Custom Field	Type	Mand.	Default Value

None defined			

=====

Compound related custom fields

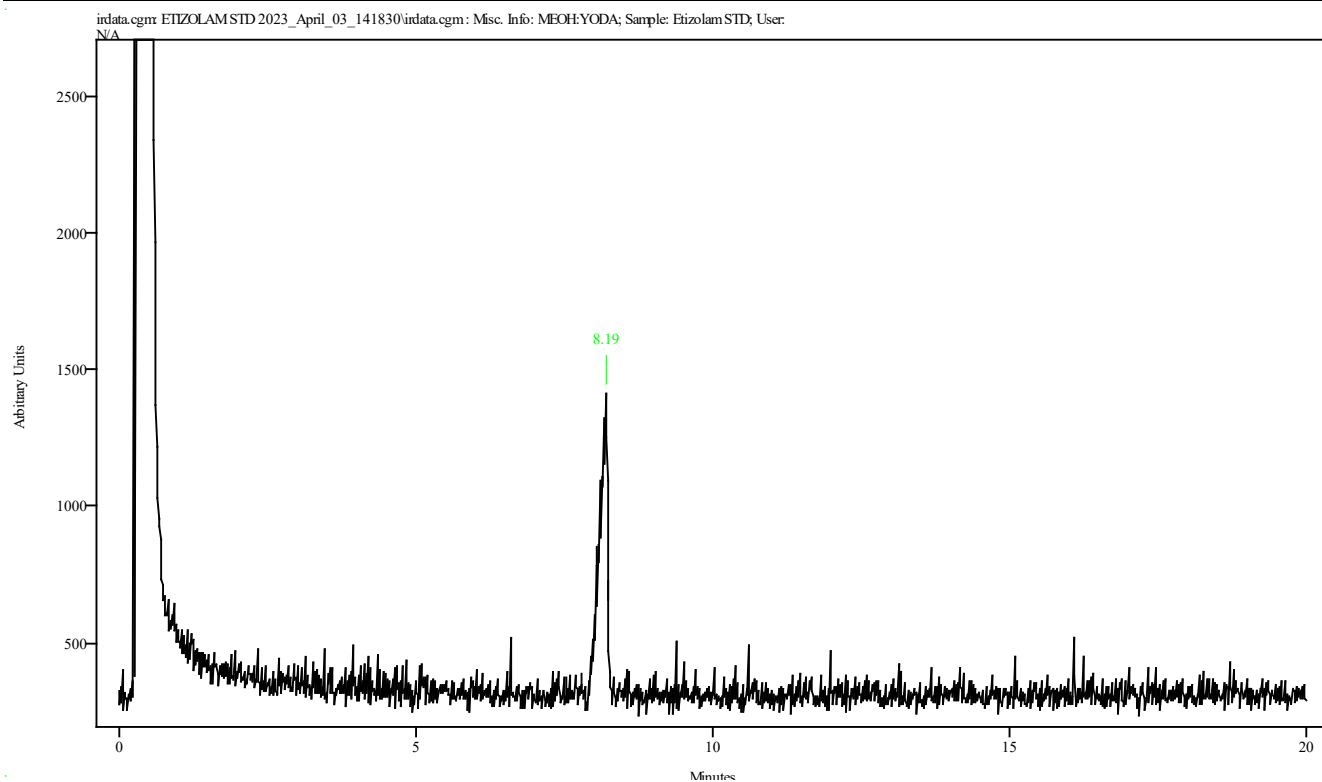
=====

Custom Field	Type	Mand.	Default Value

None defined			

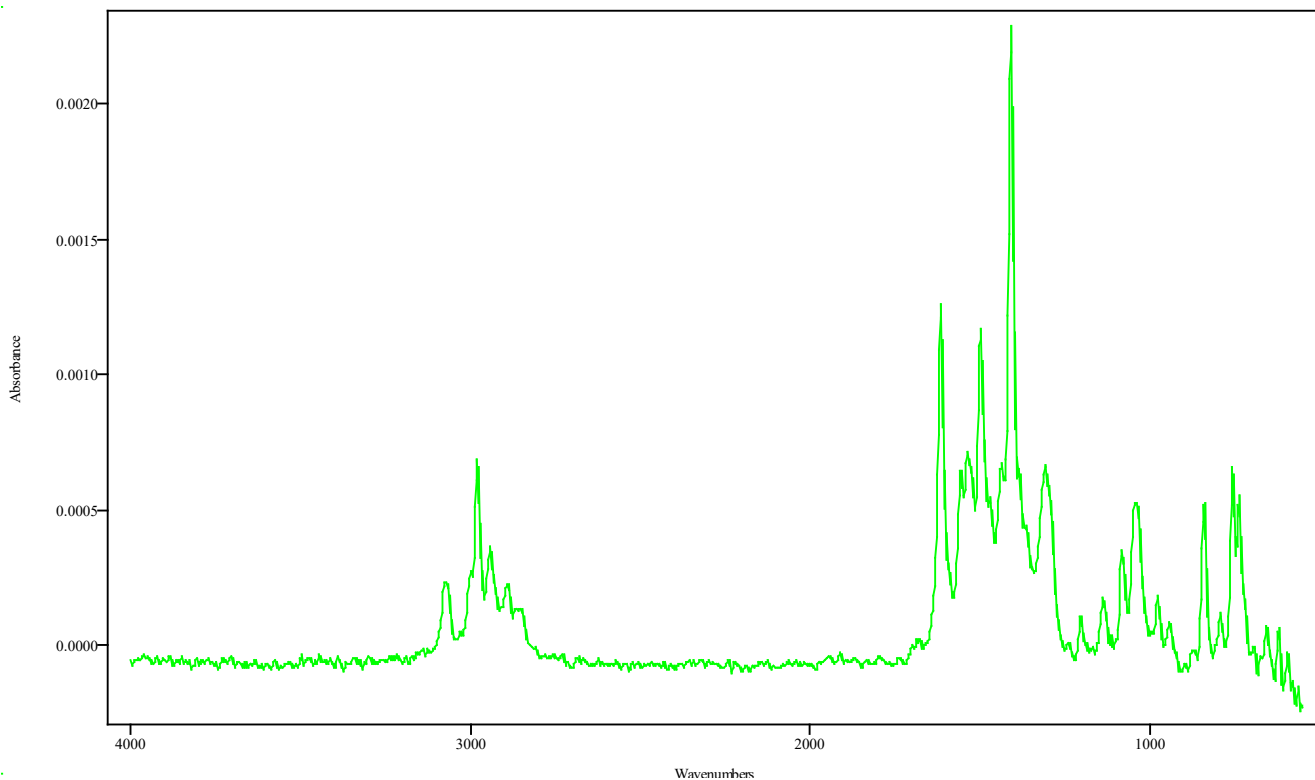
IRD Data Analysis Report

Data Filename	ETIZOLAM STD 2023_April_03_141830
Data Path	C:/ASAP DATA/YODA 2023/Validation/Manual Inj. 4-3-23
IRD Method	IRD3 EXT
GC Method	MANISO270(20MIN).M
GC Vial	3
Sample Name	Etizolam STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 03 14:39:44 2023
Date Processed	Thu Apr 06 10:18:08 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
8.045	8.234	0.186	7.785	7.539

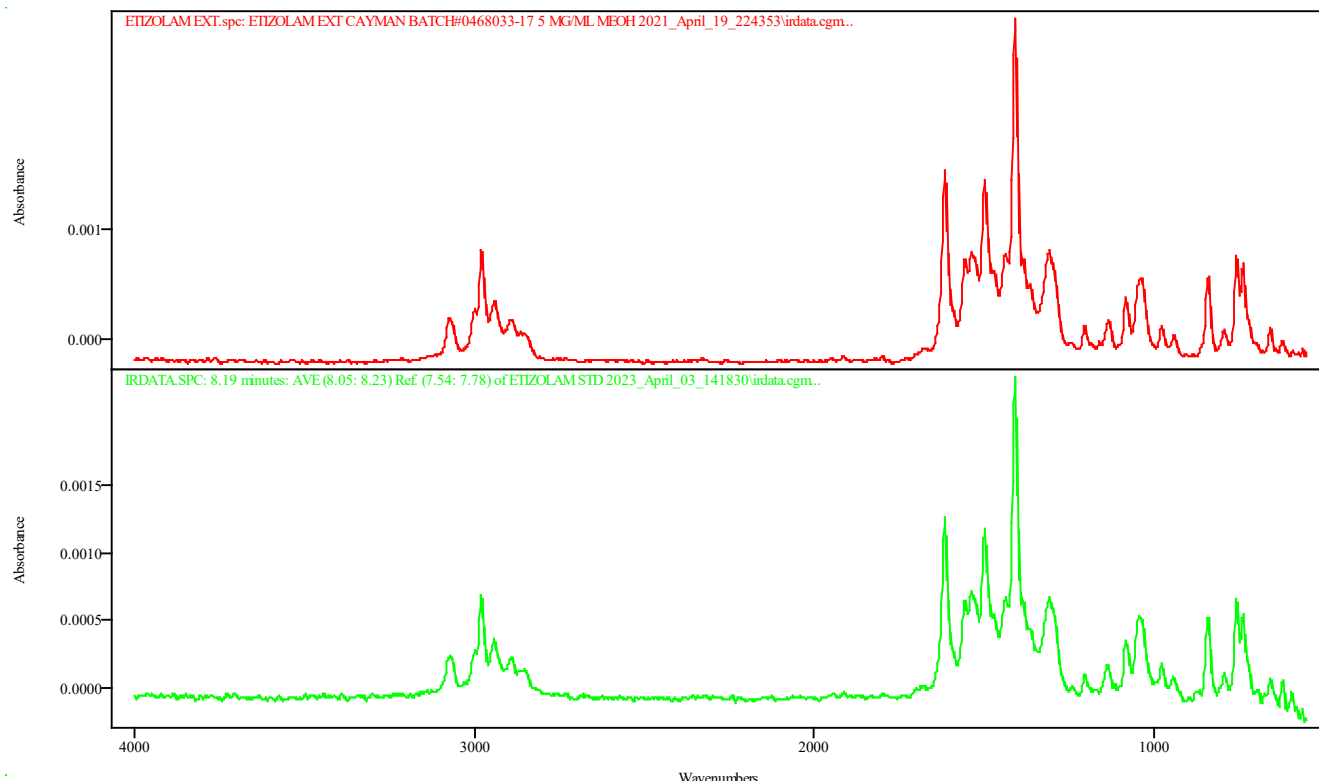
Data Filename	ETIZOLAM STD 2023_April_03_141830
Data Path	C:/ASAP DATA/YODA 2023/Validation/Manual Inj. 4-3-23
IRD Method	IRD3 EXT
GC Method	MANISO270(20MIN).M
GC Vial	3
Sample Name	Etizolam STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 03 14:39:44 2023
Date Processed	Thu Apr 06 10:18:08 2023



IRDATA.SPC: 8.19 minutes: AVE (8.05: 8.23) Ref. (7.54: 7.78) of ETIZOLAM STD
2023_April_03_141830.cgm

IRD Data Analysis Report

Data Filename	ETIZOLAM STD 2023_April_03_141830
Data Path	C:/ASAP DATA/YODA 2023/Validation/Manual Inj. 4-3-23
IRD Method	IRD3 EXT
GC Method	MANISO270(20MIN).M
GC Vial	3
Sample Name	Etizolam STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 03 14:39:44 2023
Date Processed	Thu Apr 06 10:24:19 2023



IRDATA.SPC: 8.19 minutes: AVE (8.05: 8.23) Ref. (7.54: 7.78) of ETIZOLAM STD
2023_April_03_141830.cgm

ETIZOLAM EXT.spc: ETIZOLAM EXT CAYMAN BATCH#0468033-17 5 MG/ML MEOH
2021_April_19_224353\irdata.cgm

Method Information

Method: C:\Users\P...ocuments\ChemStation\1\Methods\MANISO270
(30MIN).M
Modified: 2/21/2023 at 4:35:34 PM

MANUAL INJECTION ISO270C, HOLD FOR 30 MIN @270C, 30 MINUTE METHOD.

Method Audit Trail

Operator : SYSTEM
Date : 2/21/2023 4:34:52 PM
Change Info: This method was created at 2/21/2023 4:34:52 PM and based on
method
'C:\Users\Public\Documents\ChemStation\1\Methods\ISO270
(30MIN).M'

Operator : SYSTEM
Date : 2/21/2023 4:34:53 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/21/2023 4:35:34 PM
Change Info: Method saved. User comment: ""

Run Time Checklist

Pre-Run Cmd/Macro: off
Data Acquisition: on
Standard Data Analysis: on
Modify Custom Fields: off
Customized Data Analysis: off
Save GLP Data: off
Post-Run Cmd/Macro: off
Save Method with Data: off

Injection Source and Location

Injection Source: Manual

Injection Location: Front

=====

Agilent 8890

=====

Module Type: GC

Module Name: Agilent 8890

GC

GC Summary

Run Time 30 min

Post Run Time 0 min

Oven

Temperature

Setpoint On

(Initial) 270 °C

Hold Time 30 min

Post Run 120 °C

Equilibration Time 1 min

Max Temperature 325 °C

Maximum Temperature Override Disabled

Slow Fan Disabled

ALS

Front Injector

Syringe Size 10 µL

Injection Volume 1 µL

Solvent A Washes (PreInj) 3

Solvent A Washes (PostInj) 0

Solvent A Volume 8 µL

Solvent B Washes (PreInj) 3

Solvent B Washes (PostInj) 0

Solvent B Volume 8 µL

Sample Washes 1

Sample Wash Volume 8 µL

Sample Pumps 3

Dwell Time (PreInj) 0 min

Dwell Time (PostInj) 0 min

Solvent Wash Draw Speed 300 µL/min

Solvent Wash Dispense Speed 3000 µL/min

Sample Wash Draw Speed 300 µL/min

Sample Wash Dispense Speed 3000 µL/min

Injection Dispense Speed 6000 µL/min

Viscosity Delay 0 sec

Sample Depth Disabled

Injection Type Standard

L1 Airgap 0.2 µL

Solvent Wash Mode A, B

Sample Overlap

Mode Sample overlap is not enabled

Front SS Inlet He

Mode Split

Heater	On	250 °C
Pressure	On	15.224 psi
Total Flow	On	12 mL/min
Septum Purge Flow	On	3 mL/min
Pre-Run Flow Test	Off	
Gas Saver	On	15 mL/min after 2 min
Split Ratio	2 :1	
Split Flow	6 mL/min	
Liner	A Liner has not been selected.	
Column		
Column #1		
Flow		
Setpoint	On	
(Initial)	3 mL/min	
Post Run	2 mL/min	
Temperature Range	-60 °C-325 °C (325 °C)	
Dimensions	15 m x 320 µm x 1 µm	
(Uncalibrated)		
Column lock	Unlocked	
In	Front SS Inlet He	
Out	Other	
(Initial)	270 °C	
Pressure	15.224 psi	
Flow	3 mL/min	
Average Velocity	72.73 cm/sec	
Holdup Time	0.34374 min	
Control Mode	Constant Flow	
Column Outlet Pressure	0 psi	
Detector Evaluation		
Perform Detector Evaluation Test	Off	
Signal Selected	No Signal Selected	
Checkout Sample	None	
Signals		
Signal #1: Test Plot		
Description	Test Plot	
Save	On	
Data Rate	50 Hz	
Dual Injection Assignment	Front Sample	
Signal #2:		
Description	None	
Signal #3:		
Description	None	
Signal #4:		
Description	None	
Signal #5:		
Description	None	
Signal #6:		

Description	None
Signal #7: Description	None
Signal #8: Description	None

The Data Analysis Parameters of the used Method are :

```
=====
                        Integration Events
=====
```

```
-----
                        Non signal specific Integration Events
-----
```

Event	Value
Tangent Skim Mode	New Exponential
Tail Peak Skim Height Ratio	5.000
Front Peak Skim Height Ratio	5.000
Skim Valley Ratio	20.000
Baseline Correction	Advanced
Peak to Valley Ratio	500.000

```
-----
                        Default Integration Event Table "Event"
-----
```

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

```
-----
                        Detector Default Integration Event Table "Event_ADC"
-----
```

Event	Value	Time
-------	-------	------

Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_FID"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_NPD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial

Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

 Detector Default Integration Event Table "Event_FPD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

 Detector Default Integration Event Table "Event_uECD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

 Detector Default Integration Event Table "Event_GC"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Apply Method's Manual Integration Events: No

=====
 Specify Report

=====

Calculate: Area Percent
Do not use Multiplier & Dilution Factor with ISTDs

Use Sample Data from Data File
Report mode: Classic
Destination: File (Prefix: Report)
Destination File Types: No destination file types selected
Quantitative Results sorted by: Signal
Report Style: (None)
Sample info on each page: No
Add Chromatogram Output: No
Uncalibrated Peaks: Do Not Report

=====

Signal Options

=====

Include: Axes, Retention Times, Baselines, Tick Marks
Font: Arial, Size: 8

Ranges: Full
Multi Chromatograms: Separated, Each in full Scale

=====

Calibration Table

=====

General Calibration Setting

Calib. Data Modified :
Signals calculated separately : No

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:

Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Signal Details

Overview Table

No Entries in table

Identification Details Table

No Entries in table

Peak Sum Table

No Entries in table

Component Details Table

No Entries in table

=====
Sample related custom fields
=====

Custom Field	Type	Mand.	Default Value
None defined			

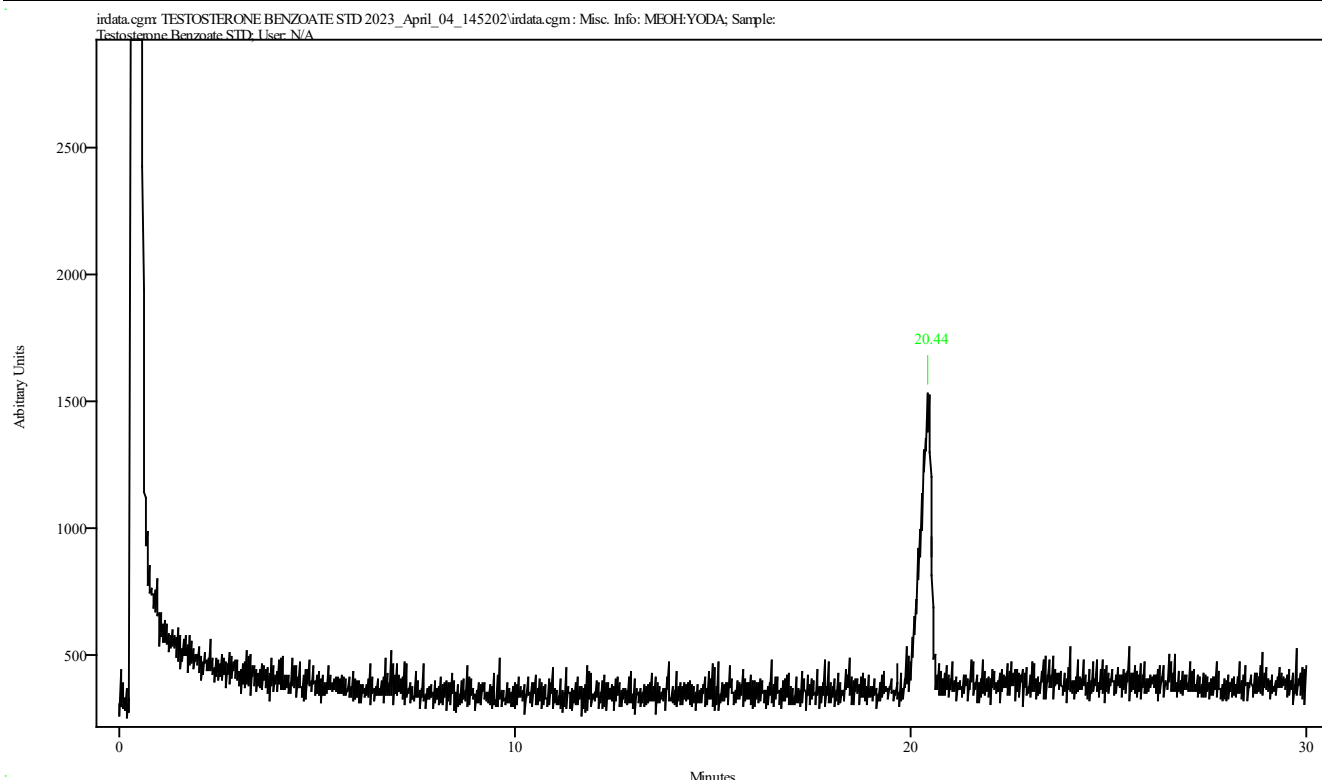
=====
Compound related custom fields
=====

=====			
Custom Field	Type	Mand.	Default Value

None defined			

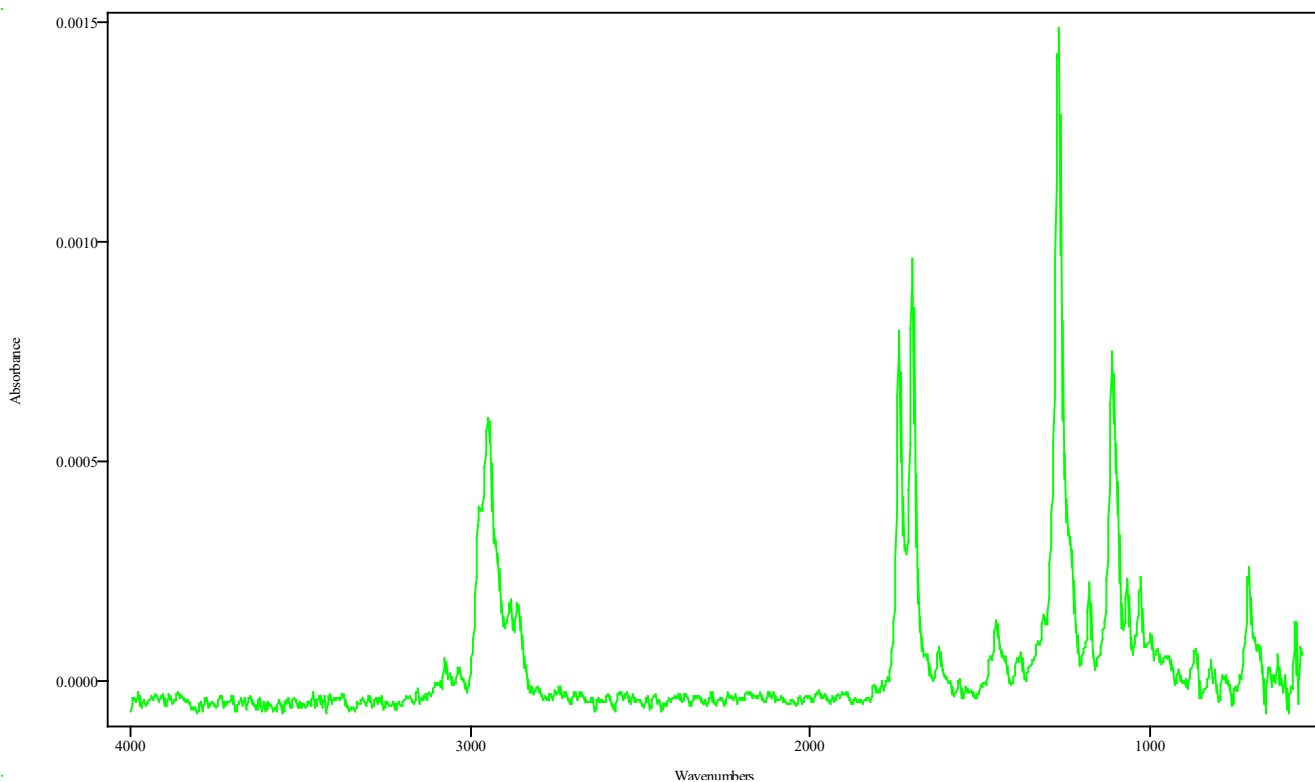
IRD Data Analysis Report

Data Filename	TESTOSTERONE BENZOATE STD 2023_April_04_145202
Data Path	C:/ASAP DATA/YODA 2023/Validation/Manual Inj. 4-4-23
IRD Method	IRD3 EXT
GC Method	MANISO270(30MIN).M
GC Vial	3
Sample Name	Testosterone Benzoate STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Apr 04 15:23:23 2023
Date Processed	Thu Apr 06 09:44:24 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
20.312	20.531	0.219	19.295	19.682

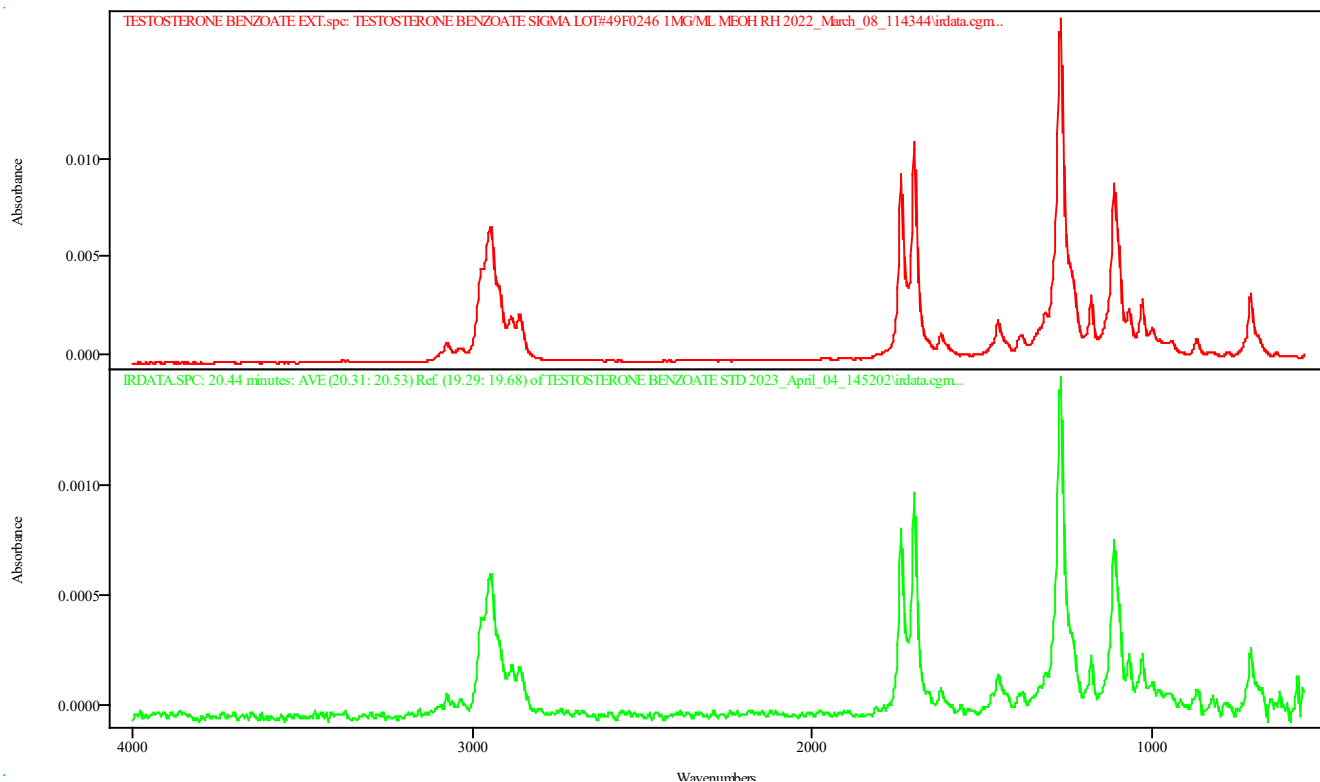
Data Filename	TESTOSTERONE BENZOATE STD 2023_April_04_145202
Data Path	C:/ASAP DATA/YODA 2023/Validation/Manual Inj. 4-4-23
IRD Method	IRD3 EXT
GC Method	MANISO270(30MIN).M
GC Vial	3
Sample Name	Testosterone Benzoate STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Apr 04 15:23:23 2023
Date Processed	Thu Apr 06 09:44:24 2023



IRDATA.SPC: 20.44 minutes: AVE (20.31: 20.53) Ref. (19.29: 19.68) of TESTOSTERONE BENZOATE STD 2023_April_04_145202.cgm

IRD Data Analysis Report

Data Filename	TESTOSTERONE BENZOATE STD 2023_April_04_145202
Data Path	C:/ASAP DATA/YODA 2023/Validation/Manual Inj. 4-4-23
IRD Method	IRD3 EXT
GC Method	MANISO270(30MIN).M
GC Vial	3
Sample Name	Testosterone Benzoate STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Apr 04 15:23:23 2023
Date Processed	Thu Apr 06 10:03:57 2023



IRDATA.SPC: 20.44 minutes: AVE (20.31: 20.53) Ref. (19.29: 19.68) of TESTOSTERONE BENZOATE STD 2023_April_04_145202.cgm

TESTOSTERONE BENZOATE EXT.spc: TESTOSTERONE BENZOATE SIGMA LOT#49F0246 1MG/ML MEOH RH 2022_March_08_114344\irdata.cgm

Method Information

Method: C:\Users\Public\Documents\ChemStation\1\Methods\SL60TO270.M
Modified: 3/7/2023 at 3:50:28 PM

SPLITLESS AUTOSAMPLE 60 TO 270C, HOLD FOR 2 MIN @60C, RAMP @70C PER
MIN TO 270C. 10 MINUTE METHOD.

Method Audit Trail

Operator : SYSTEM
Date : 2/19/2020 10:00:01 AM
Change Info: This method was created at 2/19/2020 10:00:01 AM and based on
method 'C:\Users\Public\Documents\ChemStation\1
\Methods\60TO270.M'

Operator : SYSTEM
Date : 2/19/2020 10:00:02 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/19/2020 10:01:52 AM
Change Info: Method saved. User comment: "SPLITLESS METHOD 60 TO 270 @70C
PER/MIN"

Operator : SYSTEM
Date : 2/19/2020 10:03:53 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/19/2020 10:05:12 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/21/2020 9:02:57 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/21/2020 9:03:30 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 10/6/2020 1:01:39 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/16/2023 11:08:04 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 3/7/2023 3:50:28 PM
Change Info: Method saved. User comment: ""

Run Time Checklist

Pre-Run Cmd/Macro: off
Data Acquisition: on
Standard Data Analysis: on
Modify Custom Fields: off
Customized Data Analysis: off
Save GLP Data: off
Post-Run Cmd/Macro: off
Save Method with Data: off

Injection Source and Location

Injection Source: GC Injector
Injection Location: Front

Agilent 8890

Module Type: GC
Module Name: Agilent 8890

GC

GC Summary

Run Time	10 min
Post Run Time	0 min

Oven

Temperature

Setpoint	On
(Initial)	60 °C
Hold Time	2 min
Post Run	120 °C

Program

#1 Rate	70 °C/min
#1 Value	270 °C
#1 Hold Time	5 min

Equilibration Time	1 min
--------------------	-------

Max Temperature	325 °C
-----------------	--------

Maximum Temperature Override	Disabled
------------------------------	----------

Slow Fan	Disabled
----------	----------

ALS	
Front Injector	
Syringe Size	10 µL
Injection Volume	1 µL
Solvent A Washes (PreInj)	3
Solvent A Washes (PostInj)	0
Solvent A Volume	8 µL
Solvent B Washes (PreInj)	3
Solvent B Washes (PostInj)	0
Solvent B Volume	8 µL
Sample Washes	1
Sample Wash Volume	8 µL
Sample Pumps	3
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	3000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	3000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Solvent Wash Mode	A, B
Sample Overlap	
Mode	Sample overlap is not enabled
Front SS Inlet He	
Mode	Splitless
Heater	On 250 °C
Pressure	On 7.9927 psi
Total Flow	On 21 mL/min
Septum Purge Flow	On 3 mL/min
Septum Purge Flow Mode	Standard
Pre-Run Flow Test	Off
Gas Saver	On 15 mL/min after 2 min
Purge Flow to Split Vent	15 mL/min at 0.75 min
Liner	A Liner has not been selected.
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	3 mL/min
Post Run	2 mL/min
Temperature Range	-60 °C–325 °C (325 °C)
Dimensions	15 m x 320 µm x 1 µm
(Uncalibrated)	
Column lock	Unlocked
In	Front SS Inlet He
Out	Other
(Initial)	60 °C

Pressure	7.9927 psi
Flow	3 mL/min
Average Velocity	54.475 cm/sec
Holdup Time	0.45892 min
Control Mode	Constant Flow
Column Outlet Pressure	0 psi
Detector Evaluation	
Perform Detector Evaluation Test	Off
Signal Selected	Signal #1: Diagnostics: Test
Plot {50 Hz}	
Checkout Sample	None
Signals	
Signal #1: Test Plot	
Description	Test Plot
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #2:	
Description	None
Signal #3:	
Description	None
Signal #4:	
Description	None
Signal #5:	
Description	None
Signal #6:	
Description	None
Signal #7:	
Description	None
Signal #8:	
Description	None

The Data Analysis Parameters of the used Method are :

```
=====
                        Integration Events
=====
```

Non signal specific Integration Events

Event	Value
Tangent Skim Mode	New Exponential
Tail Peak Skim Height Ratio	5.000
Front Peak Skim Height Ratio	5.000
Skim Valley Ratio	20.000
Baseline Correction	Advanced
Peak to Valley Ratio	500.000

Default Integration Event Table "Event"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_FID"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_NPD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_FPD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_uECD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_GC"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Apply Method's Manual Integration Events: No

Specify Report

Calculate: Area Percent
Do not use Multiplier & Dilution Factor with ISTDs

Use Sample Data from Data File
Report mode: Classic
Destination: File (Prefix: Report)
Destination File Types: No destination file types selected
Quantitative Results sorted by: Signal
Report Style: (None)
Sample info on each page: No
Add Chromatogram Output: No
Uncalibrated Peaks: Do Not Report

Signal Options

Include: Axes, Retention Times, Baselines, Tick Marks
Font: Arial, Size: 8

Ranges: Full
Multi Chromatograms: Separated, Each in full Scale

Calibration Table

General Calibration Setting

Calib. Data Modified :
Signals calculated separately : No

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Signal Details

Overview Table

No Entries in table

Identification Details Table

No Entries in table

Peak Sum Table

No Entries in table

Component Details Table

No Entries in table

=====
Sample related custom fields
=====

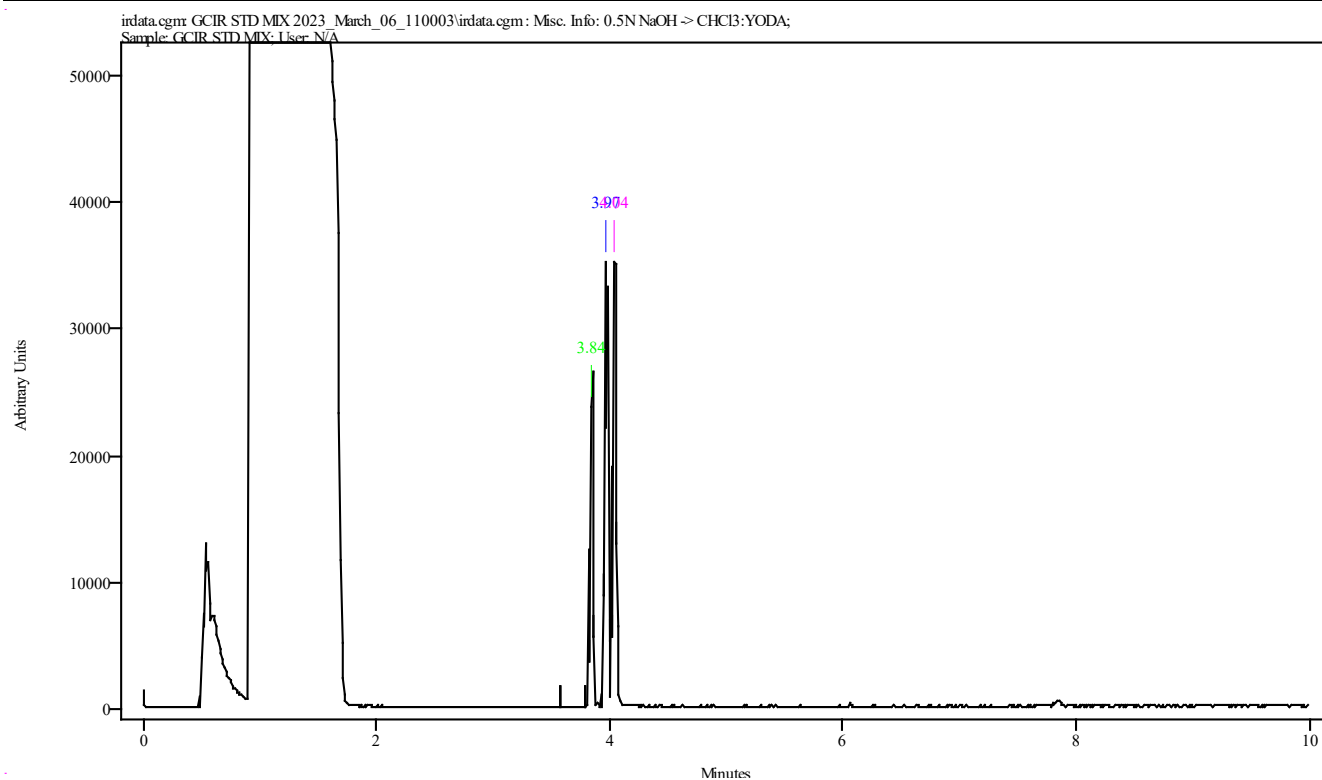
Custom Field	Type	Mand.	Default Value
None defined			

=====
Compound related custom fields
=====

Custom Field	Type	Mand.	Default Value
None defined			

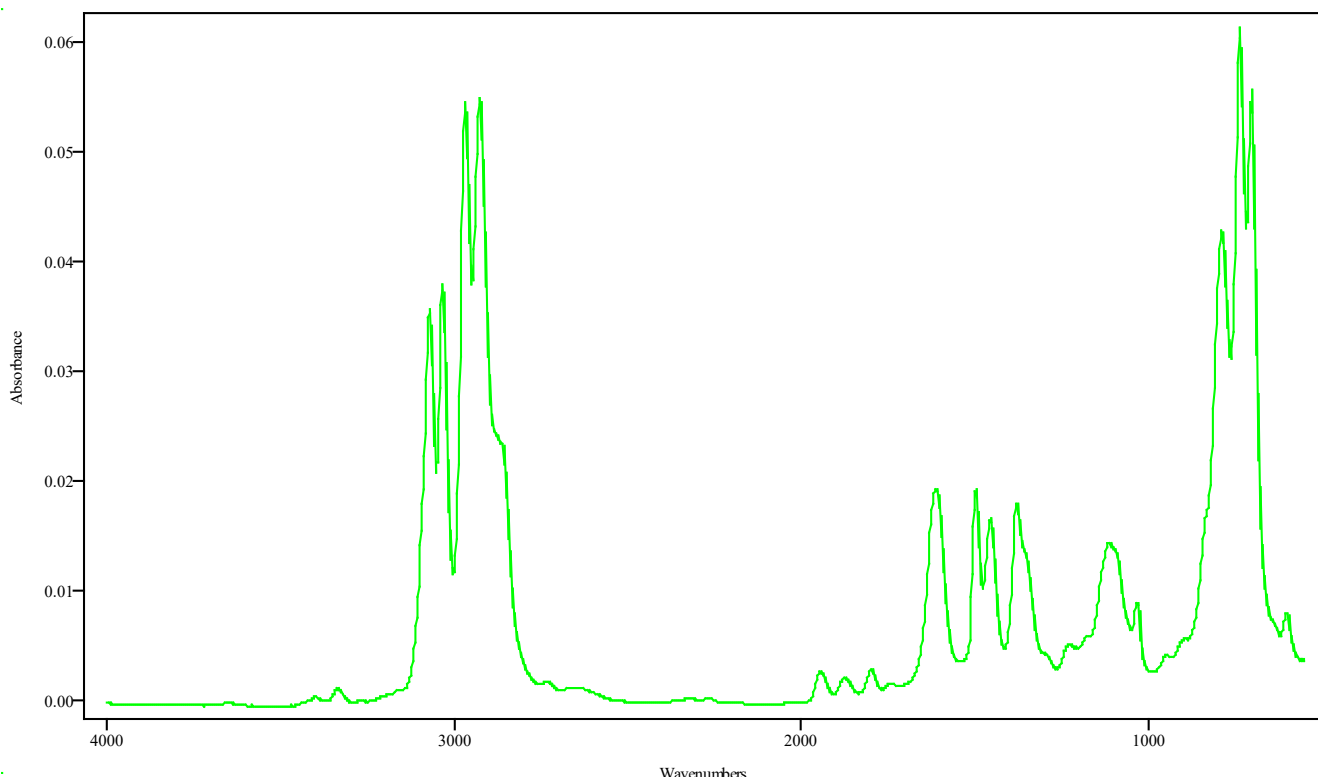
IRD Data Analysis Report

Data Filename	GCIR STD MIX 2023_March_06_110003
Data Path	C:/ASAP DATA/YODA 2023/Validation/Splitless Methods 3-6-23-1
IRD Method	IRD3 EXT
GC Method	SL60TO270.M
GC Vial	4
Sample Name	GCIR STD MIX
Misc. Info	0.5N NaOH -> CHCl3:YODA
User ID	N/A
Injection Time	Mon Mar 06 11:15:05 2023
Date Processed	Wed Mar 22 11:47:32 2023



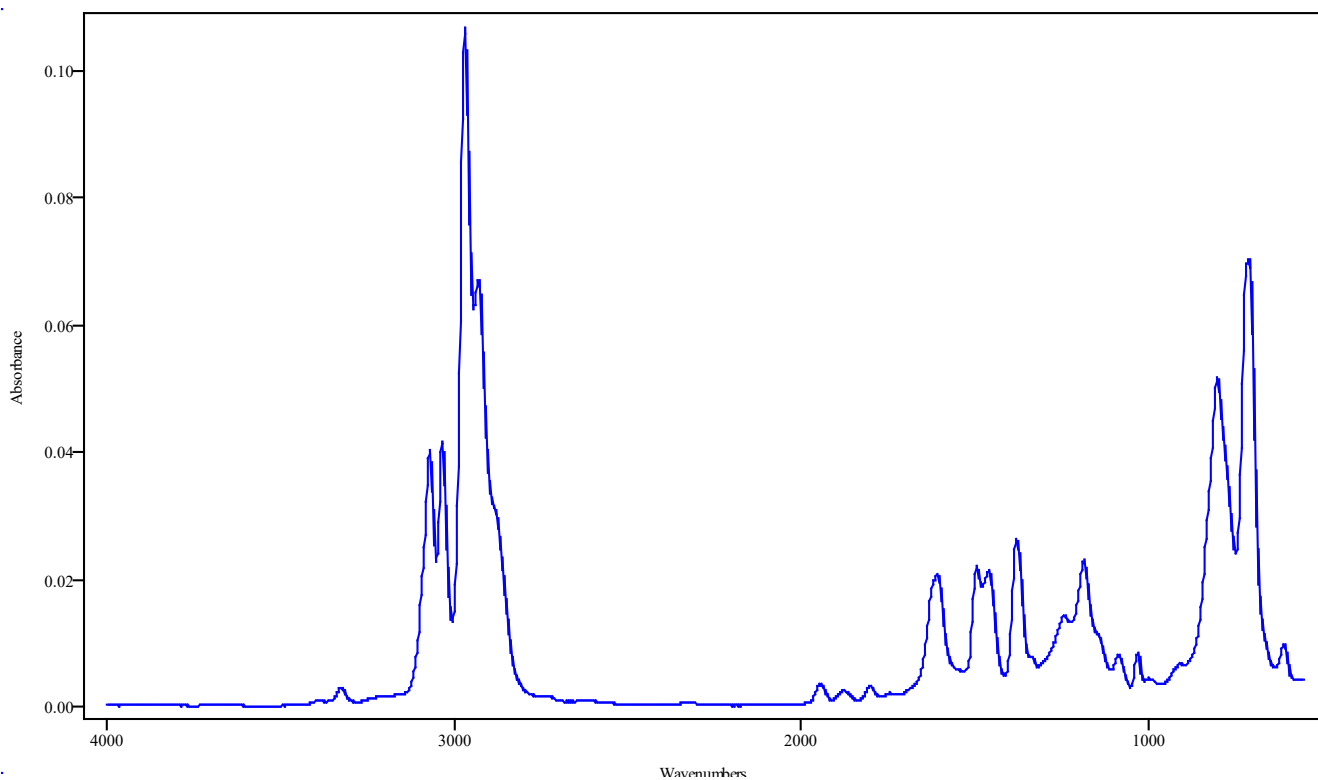
Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.819	3.862	0.044	3.579	3.797
3.949	3.993	0.044	3.579	3.797
4.015	4.059	0.044	3.579	3.797

Data Filename	GCIR STD MIX 2023_March_06_110003
Data Path	C:/ASAP DATA/YODA 2023/Validation/Splitless Methods 3-6-23-1
IRD Method	IRD3 EXT
GC Method	SL60TO270.M
GC Vial	4
Sample Name	GCIR STD MIX
Misc. Info	0.5N NaOH -> CHCl3:YODA
User ID	N/A
Injection Time	Mon Mar 06 11:15:05 2023
Date Processed	Wed Mar 22 11:47:32 2023



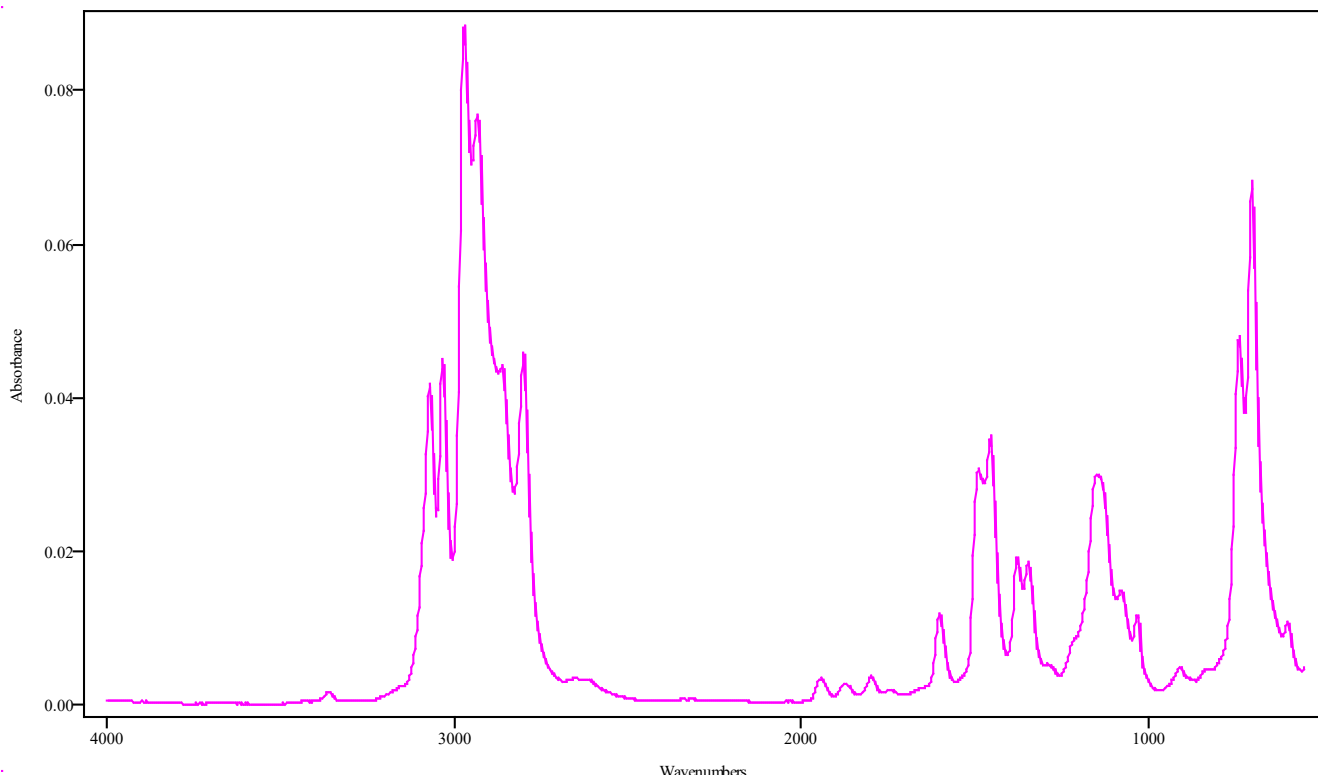
IRDATA.SPC: 3.84 minutes: AVE (3.82: 3.86) Ref. (3.58: 3.80) of GCIR STD MIX
2023_March_06_110003.cgm Amphetamine

Data Filename	GCIR STD MIX 2023_March_06_110003
Data Path	C:/ASAP DATA/YODA 2023/Validation/Splitless Methods 3-6-23-1
IRD Method	IRD3 EXT
GC Method	SL60TO270.M
GC Vial	4
Sample Name	GCIR STD MIX
Misc. Info	0.5N NaOH -> CHCl3:YODA
User ID	N/A
Injection Time	Mon Mar 06 11:15:05 2023
Date Processed	Wed Mar 22 11:47:32 2023



IRDATA.SPC: 3.97 minutes: AVE (3.95: 3.99) Ref. (3.58: 3.80) of GCIR STD MIX
2023_March_06_110003.cgm Phentermine

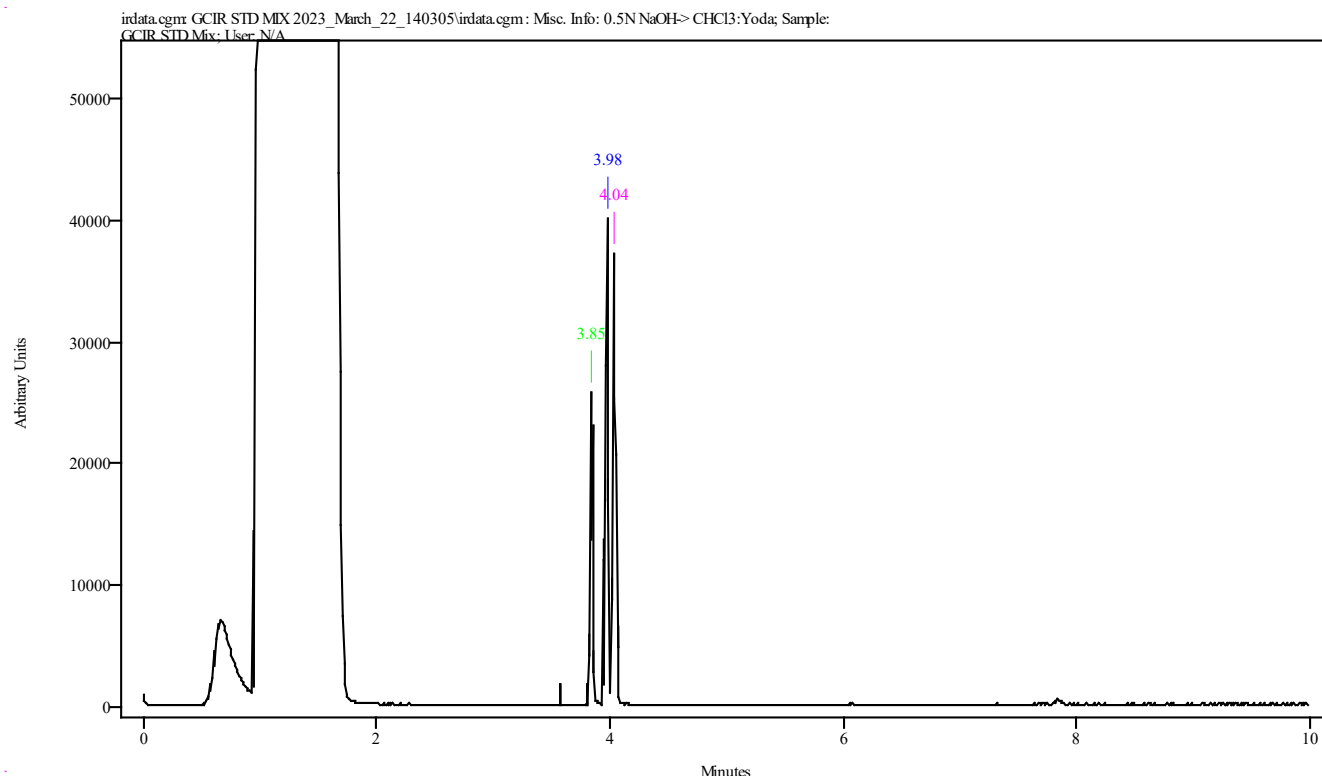
Data Filename	GCIR STD MIX 2023_March_06_110003
Data Path	C:/ASAP DATA/YODA 2023/Validation/Splitless Methods 3-6-23-1
IRD Method	IRD3 EXT
GC Method	SL60TO270.M
GC Vial	4
Sample Name	GCIR STD MIX
Misc. Info	0.5N NaOH -> CHCl3:YODA
User ID	N/A
Injection Time	Mon Mar 06 11:15:05 2023
Date Processed	Wed Mar 22 11:47:32 2023



IRDATA.SPC: 4.04 minutes: AVE (4.01: 4.06) Ref. (3.58: 3.80) of GCIR STD MIX
2023_March_06_110003.cgm Methamphetamine

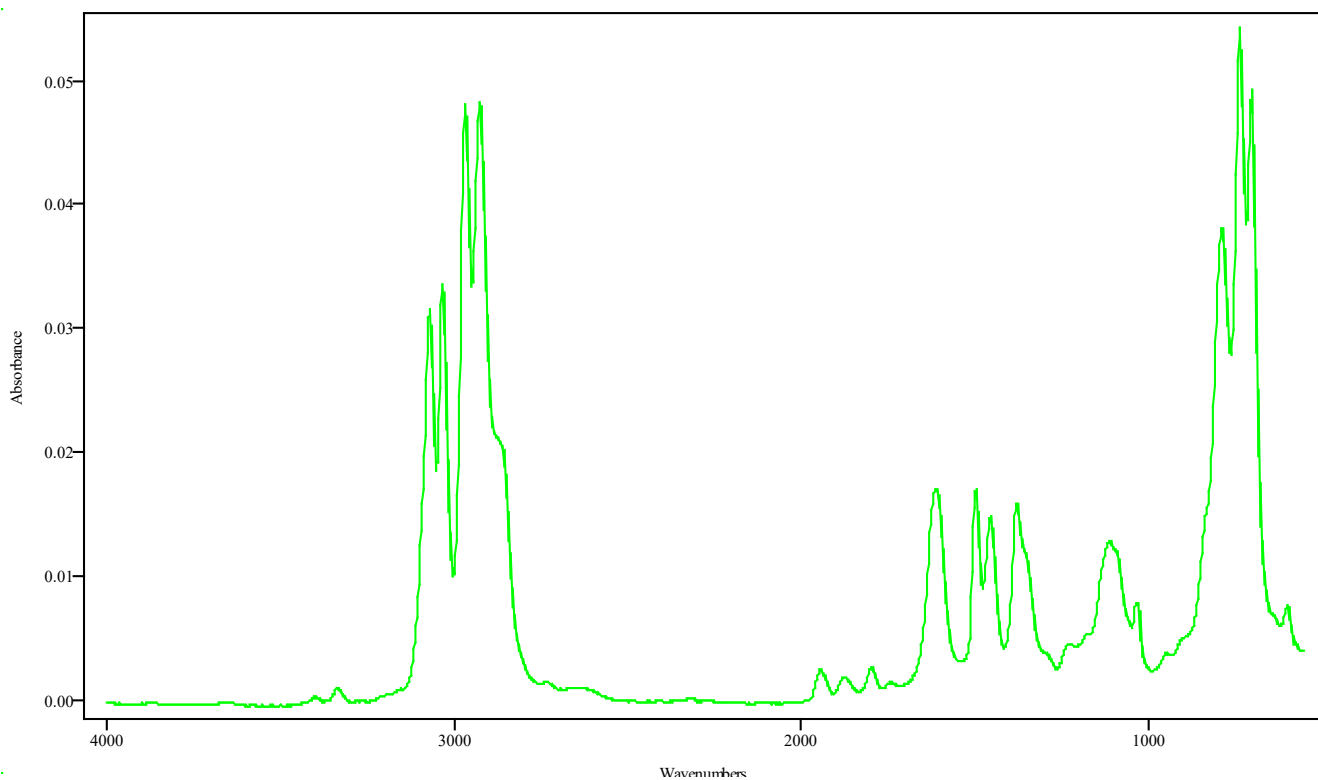
IRD Data Analysis Report

Data Filename	GCIR STD MIX 2023_March_22_140305
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-22-23-STDS
IRD Method	IRD3 EXT
GC Method	SL60TO270.M
GC Vial	4
Sample Name	GCIR STD Mix
Misc. Info	0.5N NaOH-> CHCl3:Yoda
User ID	N/A
Injection Time	Wed Mar 22 14:18:02 2023
Date Processed	Wed Mar 22 14:47:47 2023



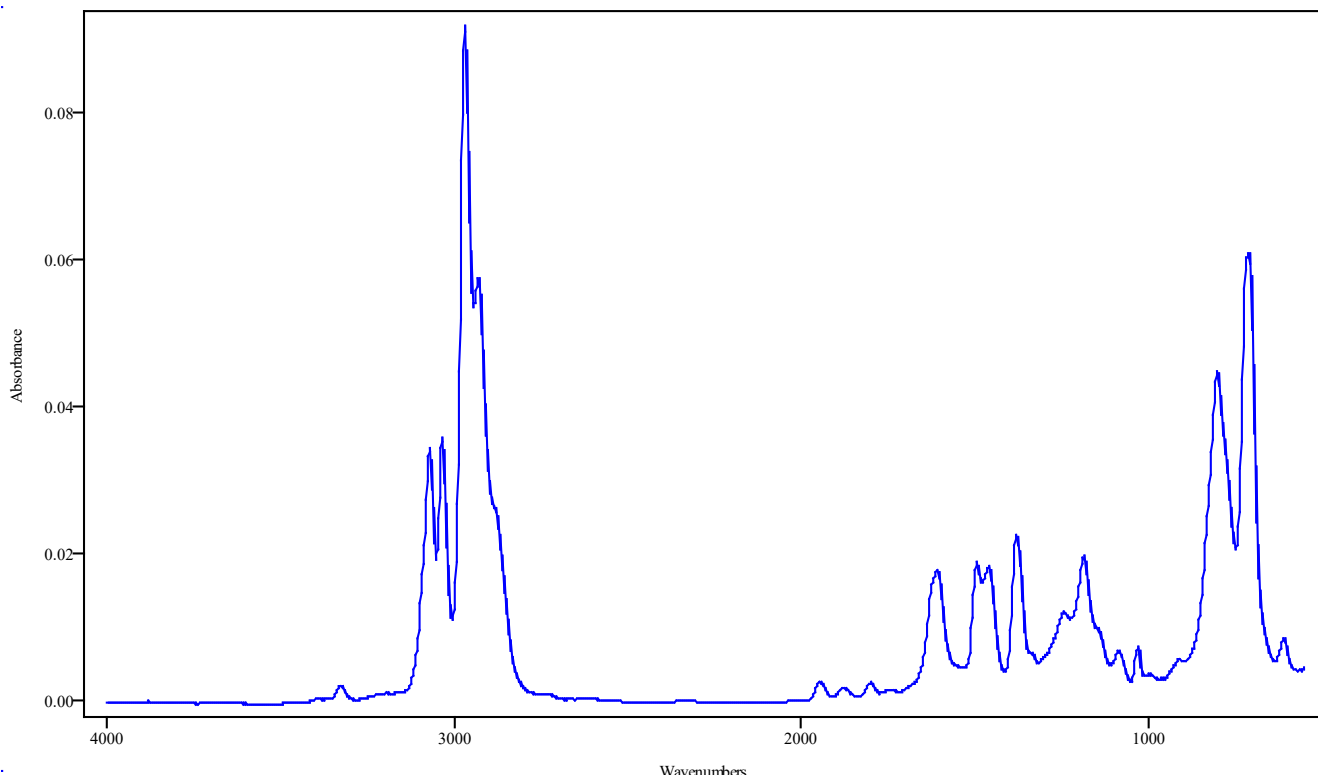
Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.823	3.867	0.044	3.582	3.801
3.955	3.987	0.033	3.582	3.801
4.020	4.064	0.044	3.582	3.801

Data Filename	GCIR STD MIX 2023_March_22_140305
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-22-23-STDS
IRD Method	IRD3 EXT
GC Method	SL60TO270.M
GC Vial	4
Sample Name	GCIR STD Mix
Misc. Info	0.5N NaOH-> CHCl3:Yoda
User ID	N/A
Injection Time	Wed Mar 22 14:18:02 2023
Date Processed	Wed Mar 22 14:47:47 2023



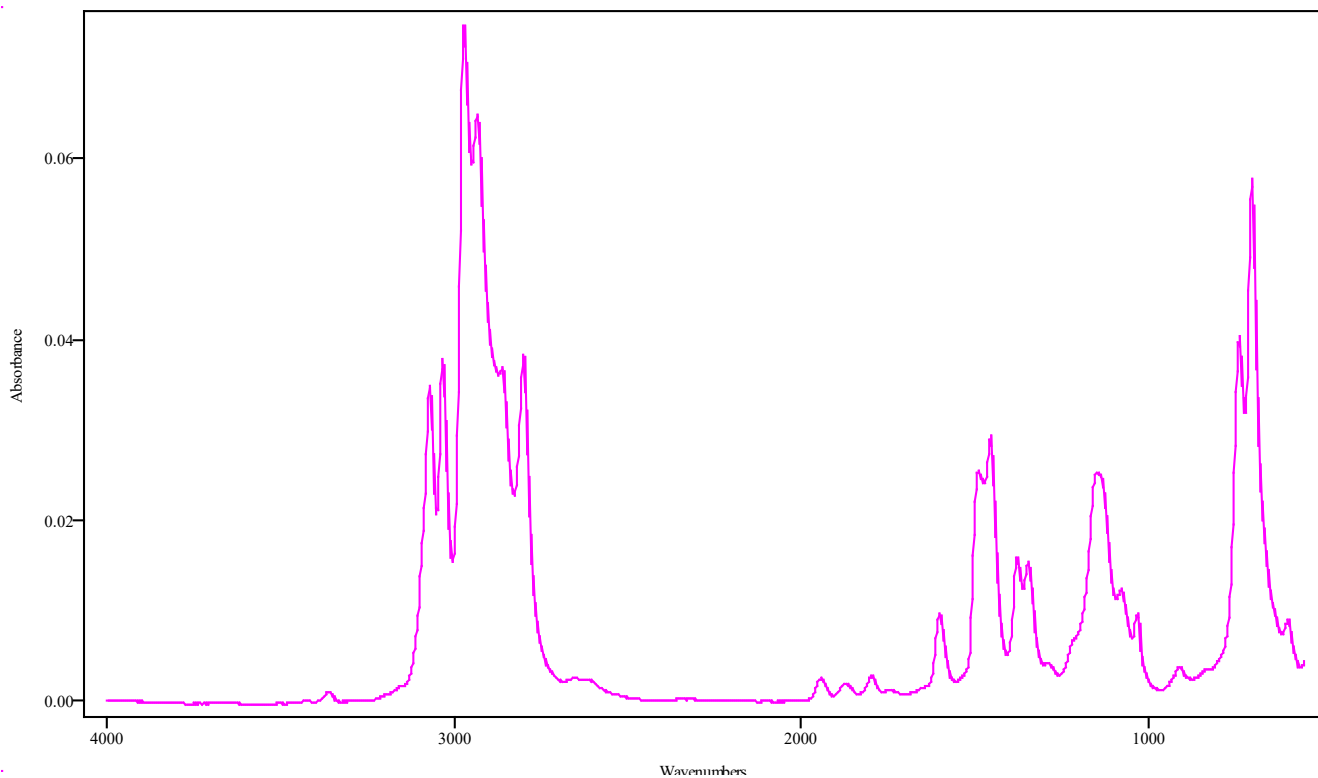
IRDATA.SPC: 3.85 minutes: AVE (3.82: 3.87) Ref. (3.58: 3.80) of GCIR STD MIX
2023_March_22_140305.cgm Amphetamine

Data Filename	GCIR STD MIX 2023_March_22_140305
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-22-23-STDS
IRD Method	IRD3 EXT
GC Method	SL60TO270.M
GC Vial	4
Sample Name	GCIR STD Mix
Misc. Info	0.5N NaOH-> CHCl3:Yoda
User ID	N/A
Injection Time	Wed Mar 22 14:18:02 2023
Date Processed	Wed Mar 22 14:47:47 2023



IRDATA.SPC: 3.98 minutes: AVE (3.95: 3.99) Ref. (3.58: 3.80) of GCIR STD MIX
2023_March_22_140305.cgm Phentermine

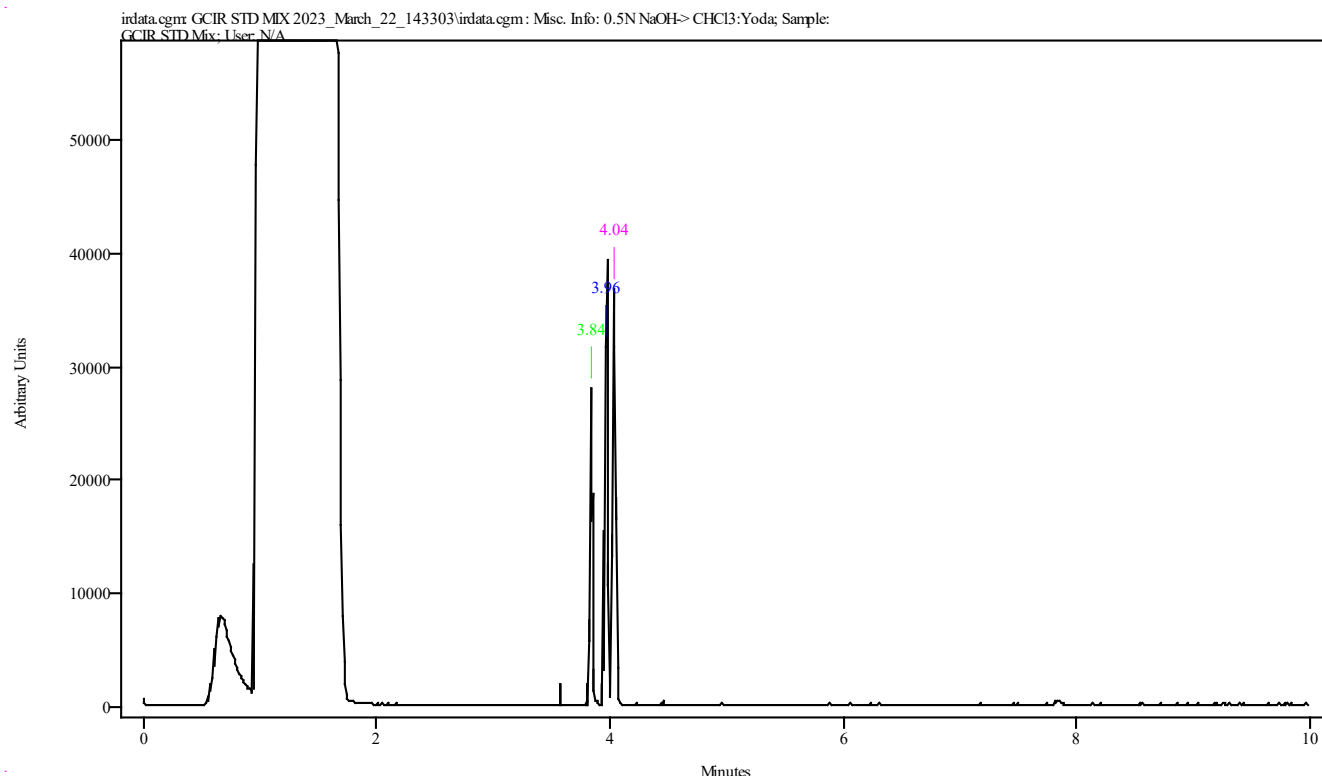
Data Filename	GCIR STD MIX 2023_March_22_140305
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-22-23-STDS
IRD Method	IRD3 EXT
GC Method	SL60TO270.M
GC Vial	4
Sample Name	GCIR STD Mix
Misc. Info	0.5N NaOH-> CHCl3:Yoda
User ID	N/A
Injection Time	Wed Mar 22 14:18:02 2023
Date Processed	Wed Mar 22 14:47:47 2023



IRDATA.SPC: 4.04 minutes: AVE (4.02: 4.06) Ref. (3.58: 3.80) of GCIR STD MIX
2023_March_22_140305.cgm Methamphetamine

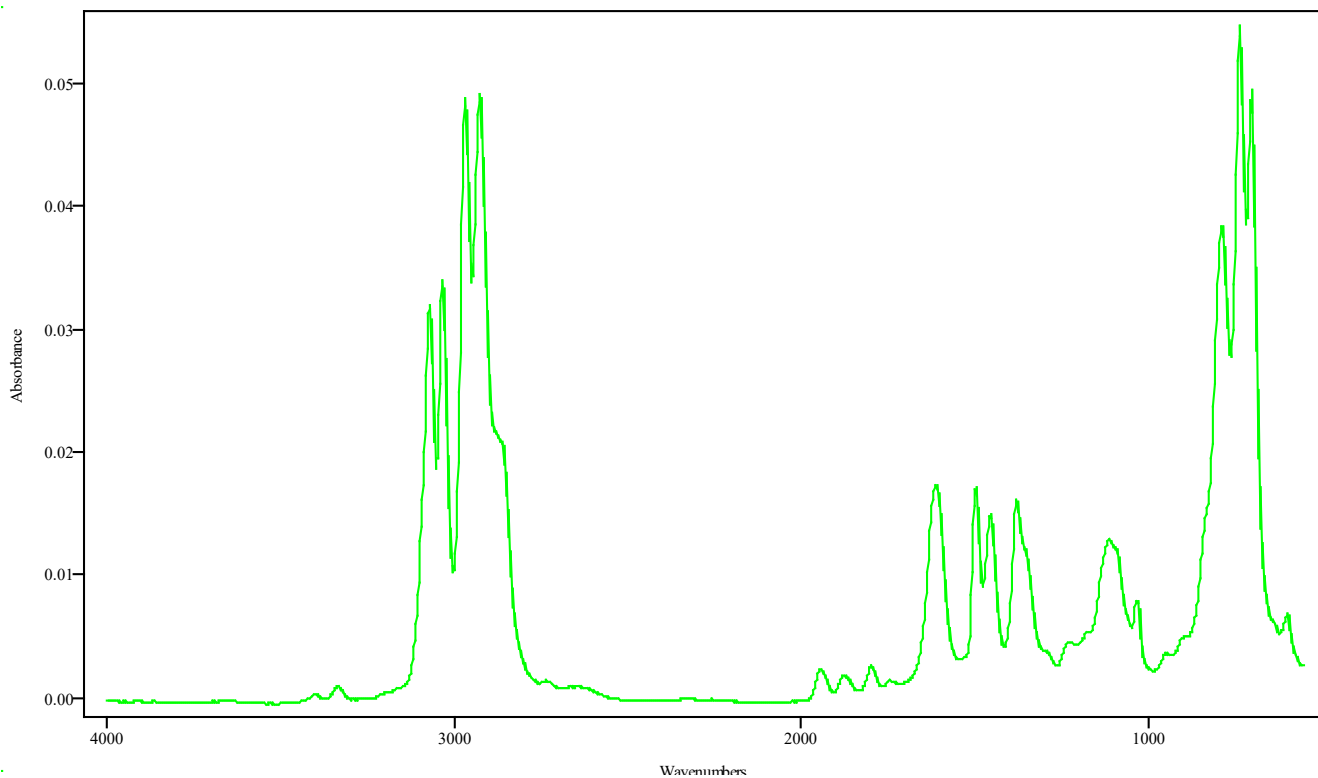
IRD Data Analysis Report

Data Filename	GCIR STD MIX 2023_March_22_143303
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-22-23-STDS
IRD Method	IRD3 EXT
GC Method	SL60TO270.M
GC Vial	4
Sample Name	GCIR STD Mix
Misc. Info	0.5N NaOH-> CHCl3:Yoda
User ID	N/A
Injection Time	Wed Mar 22 14:48:08 2023
Date Processed	Wed Mar 22 14:50:23 2023



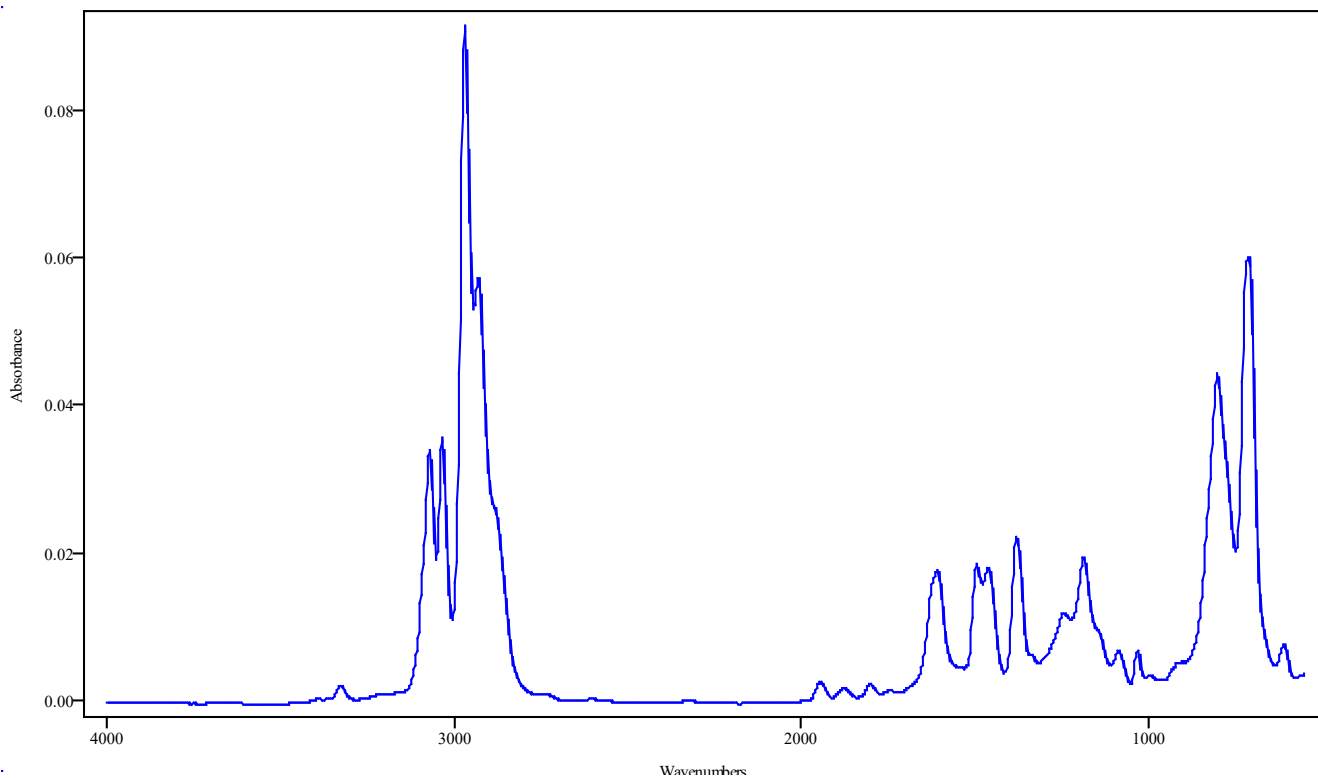
Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.822	3.866	0.044	3.582	3.801
3.921	3.987	0.066	3.582	3.801
4.020	4.052	0.033	3.582	3.801

Data Filename	GCIR STD MIX 2023_March_22_143303
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-22-23-STDS
IRD Method	IRD3 EXT
GC Method	SL60TO270.M
GC Vial	4
Sample Name	GCIR STD Mix
Misc. Info	0.5N NaOH-> CHCl3:Yoda
User ID	N/A
Injection Time	Wed Mar 22 14:48:08 2023
Date Processed	Wed Mar 22 14:50:23 2023



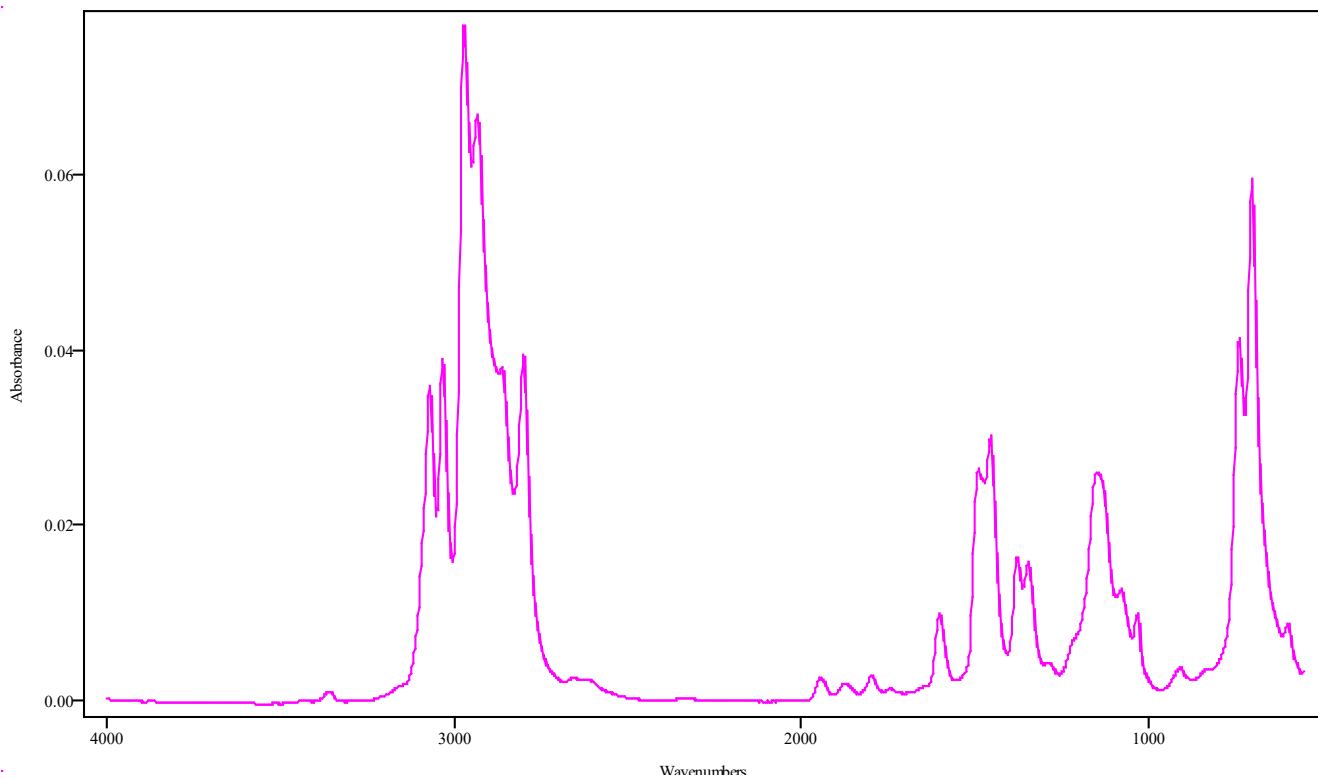
IRDATA.SPC: 3.84 minutes: AVE (3.82: 3.87) Ref. (3.58: 3.80) of GCIR STD MIX
2023_March_22_143303.cgm Amphetamine

Data Filename	GCIR STD MIX 2023_March_22_143303
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-22-23-STDS
IRD Method	IRD3 EXT
GC Method	SL60TO270.M
GC Vial	4
Sample Name	GCIR STD Mix
Misc. Info	0.5N NaOH-> CHCl3:Yoda
User ID	N/A
Injection Time	Wed Mar 22 14:48:08 2023
Date Processed	Wed Mar 22 14:50:23 2023



IRDATA.SPC: 3.96 minutes: AVE (3.92: 3.99) Ref. (3.58: 3.80) of GCIR STD MIX
2023_March_22_143303.cgm Phentermine

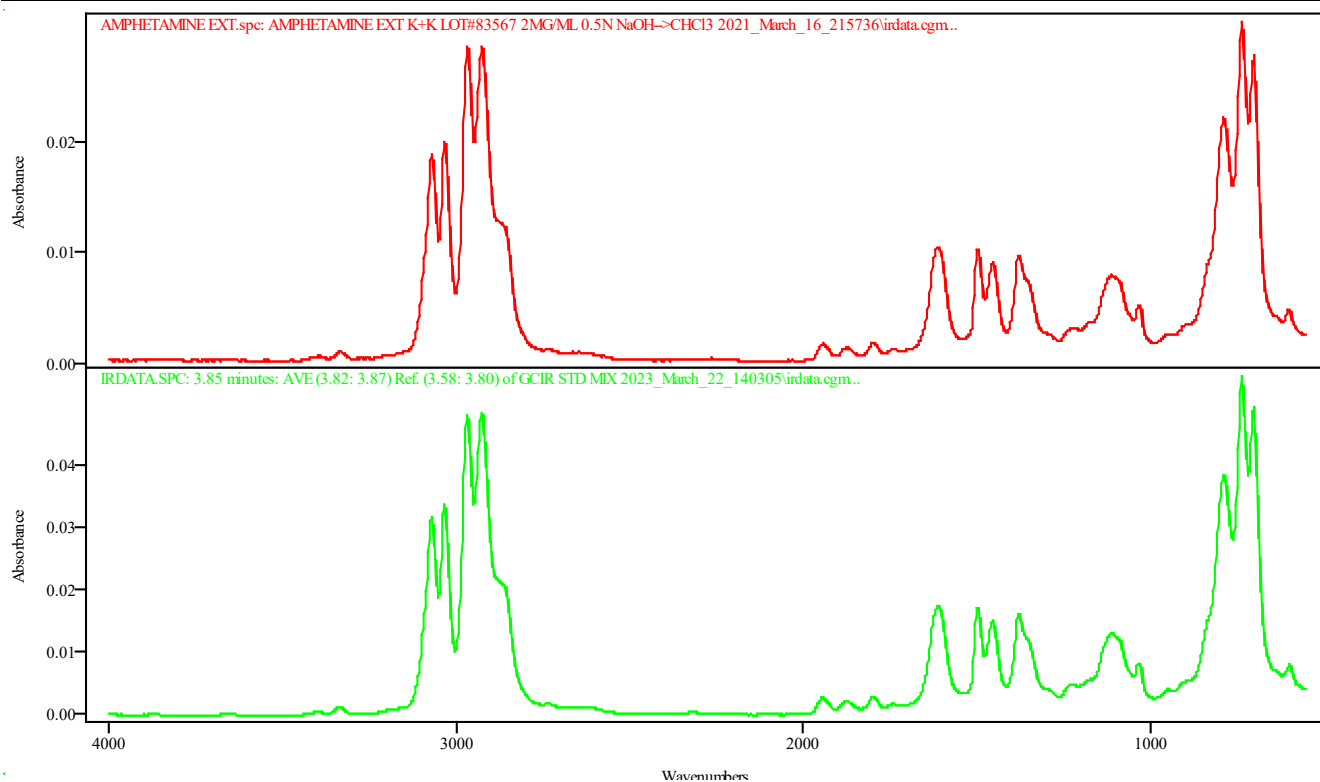
Data Filename	GCIR STD MIX 2023_March_22_143303
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-22-23-STDS
IRD Method	IRD3 EXT
GC Method	SL60TO270.M
GC Vial	4
Sample Name	GCIR STD Mix
Misc. Info	0.5N NaOH-> CHCl3:Yoda
User ID	N/A
Injection Time	Wed Mar 22 14:48:08 2023
Date Processed	Wed Mar 22 14:50:23 2023



IRDATA.SPC: 4.04 minutes: AVE (4.02: 4.05) Ref. (3.58: 3.80) of GCIR STD MIX
2023_March_22_143303.cgm Methamphetamine

IRD Data Analysis Report

Data Filename	GCIR STD MIX 2023_March_22_140305
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-22-23-STDS
IRD Method	IRD3 EXT
GC Method	SL60TO270.M
GC Vial	4
Sample Name	GCIR STD Mix
Misc. Info	0.5N NaOH-> CHCl3:Yoda
User ID	N/A
Injection Time	Wed Mar 22 14:18:02 2023
Date Processed	Mon Apr 03 10:21:19 2023

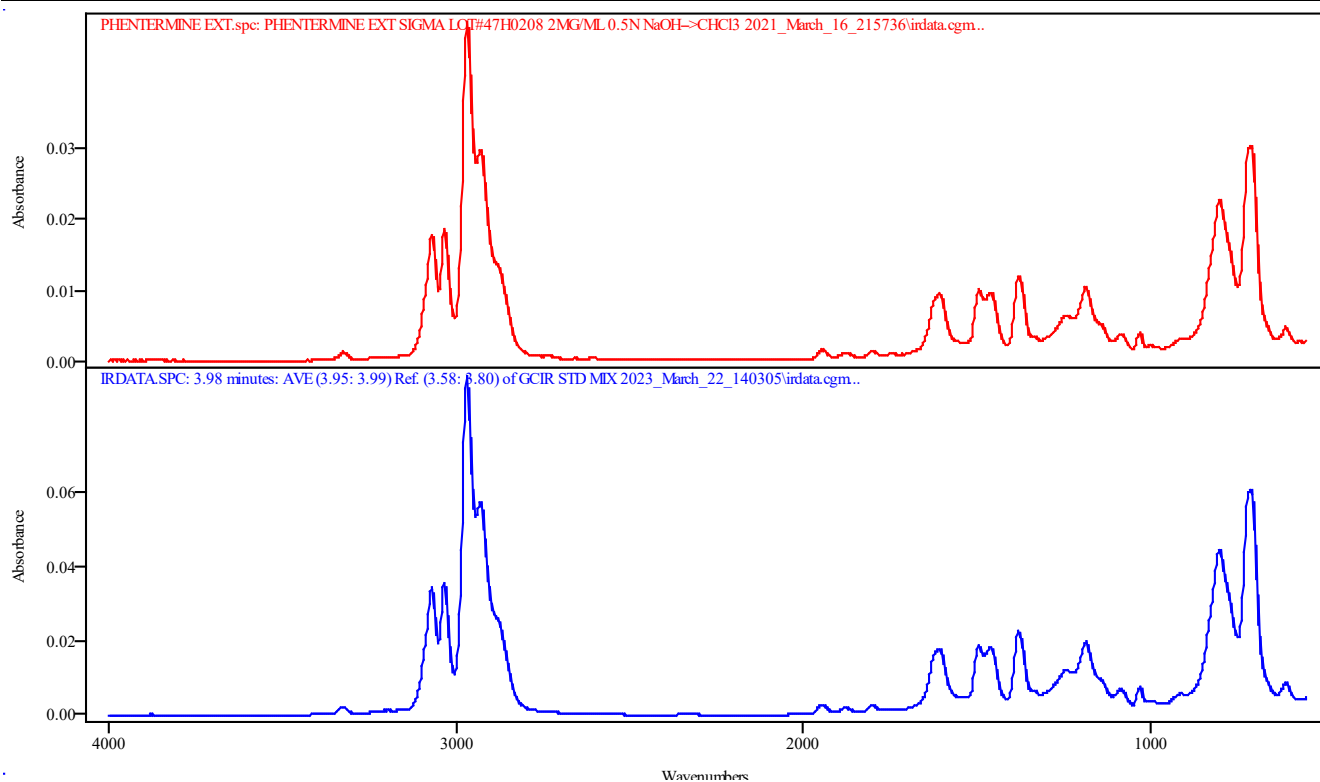


IRDATA.SPC: 3.85 minutes: AVE (3.82: 3.87) Ref. (3.58: 3.80) of GCIR STD MIX
2023_March_22_140305.cgm

AMPHETAMINE EXT.spc: AMPHETAMINE EXT K+K LOT#83567 2MG/ML 0.5N NaOH-->CHCl3
2021_March_16_215736\irdata.cgm

IRD Data Analysis Report

Data Filename	GCIR STD MIX 2023_March_22_140305
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-22-23-STDS
IRD Method	IRD3 EXT
GC Method	SL60TO270.M
GC Vial	4
Sample Name	GCIR STD Mix
Misc. Info	0.5N NaOH-> CHCl3:Yoda
User ID	N/A
Injection Time	Wed Mar 22 14:18:02 2023
Date Processed	Mon Apr 03 10:22:11 2023

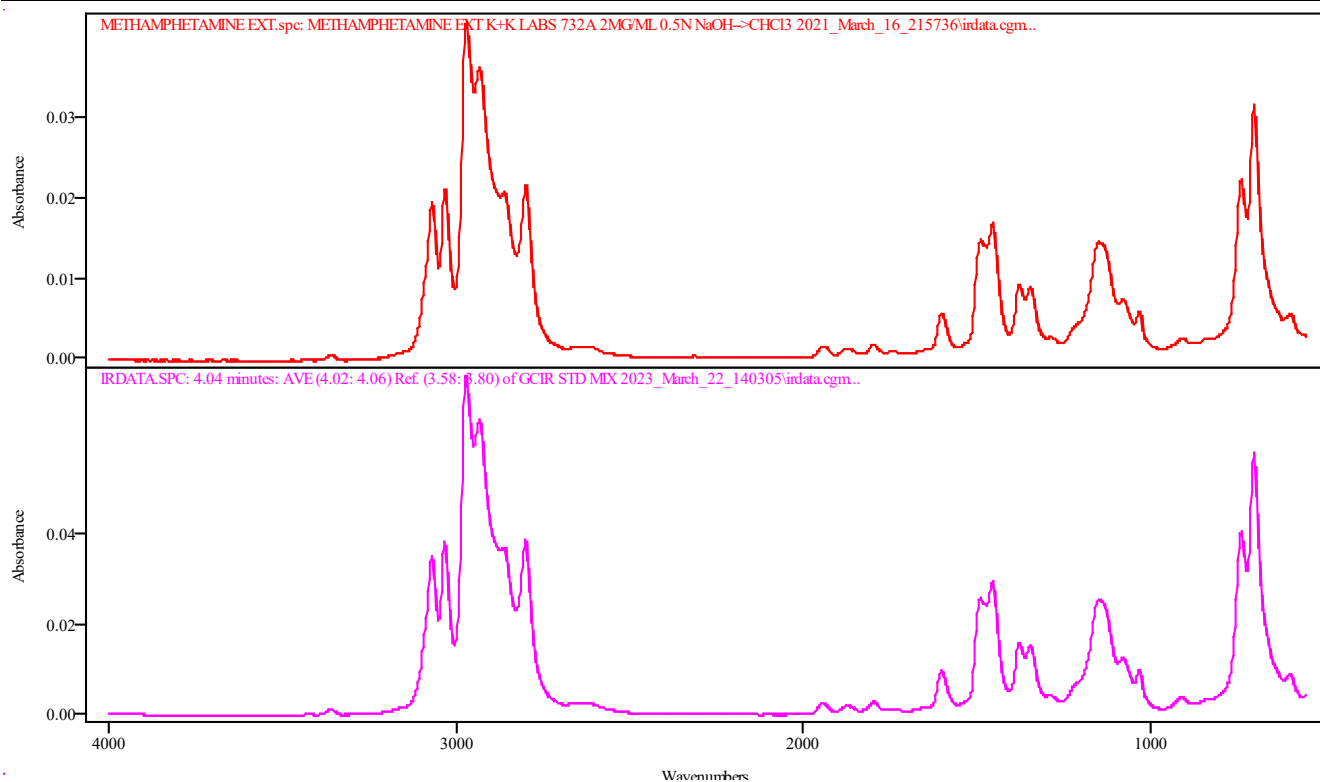


IRDATA.SPC: 3.98 minutes: AVE (3.95: 3.99) Ref. (3.58: 3.80) of GCIR STD MIX
2023_March_22_140305.cgm

PHENTERMINE EXT.spc: PHENTERMINE EXT SIGMA LOT#47H0208 2MG/ML 0.5N
NaOH->CHCl3 2021_March_16_215736\irdata.cgm

IRD Data Analysis Report

Data Filename	GCIR STD MIX 2023_March_22_140305
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-22-23-STDS
IRD Method	IRD3 EXT
GC Method	SL60TO270.M
GC Vial	4
Sample Name	GCIR STD Mix
Misc. Info	0.5N NaOH-> CHCl3:Yoda
User ID	N/A
Injection Time	Wed Mar 22 14:18:02 2023
Date Processed	Mon Apr 03 10:22:50 2023



IRDATA.SPC: 4.04 minutes: AVE (4.02: 4.06) Ref. (3.58: 3.80) of GCIR STD MIX
2023_March_22_140305.cgm

METHAMPHETAMINE EXT.spc: METHAMPHETAMINE EXT K+K LABS 732A 2MG/ML 0.5N
NaOH-->CHCl3 2021_March_16_215736\irdata.cgm

Method Information

Method: C:\Users\P...cuments\ChemStation\1\Methods\SL120TO270
(20MIN).M
Modified: 3/7/2023 at 3:49:09 PM

SPLITLESS AUTOSAMPLE 120 TO 270C, HOLD FOR 1 MIN @120C, RAMP @70C PER
MIN TO 270C. 20 MINUTE METHOD.

Method Audit Trail

Operator : SYSTEM
Date : 2/6/2020 12:58:14 PM
Change Info: This method was created at 2/6/2020 12:58:14 PM and based on
method
'C:\USERS\PUBLIC\DOCUMENTS\CHEMSTATION\1\METHODS\SL120TO270.M'

Operator : SYSTEM
Date : 2/6/2020 12:58:16 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/6/2020 12:59:45 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/6/2020 3:59:25 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/19/2020 10:07:26 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 10/6/2020 1:00:04 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/16/2023 11:02:15 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 3/7/2023 3:49:09 PM
Change Info: Method saved. User comment: ""

Run Time Checklist

Pre-Run Cmd/Macro: off

Data Acquisition: on

Standard Data Analysis: on
Modify Custom Fields: off
Customized Data Analysis: off
Save GLP Data: off
Post-Run Cmd/Macro: off
Save Method with Data: off

Injection Source and Location

Injection Source: GC Injector

Injection Location: Front

Agilent 8890

Module Type: GC
Module Name: Agilent 8890
GC

GC Summary

Run Time	20 min
Post Run Time	0 min

Oven

Temperature Setpoint	On
(Initial)	120 °C
Hold Time	1 min
Post Run	120 °C
Program	
#1 Rate	70 °C/min
#1 Value	270 °C
#1 Hold Time	16.857 min

Equilibration Time	1 min
Max Temperature	325 °C
Maximum Temperature Override	Disabled
Slow Fan	Disabled

ALS

Front Injector	
Syringe Size	10 µL
Injection Volume	1 µL
Solvent A Washes (PreInj)	3
Solvent A Washes (PostInj)	0
Solvent A Volume	8 µL

Solvent B Washes (PreInj)	3
Solvent B Washes (PostInj)	0
Solvent B Volume	8 µL
Sample Washes	1
Sample Wash Volume	8 µL
Sample Pumps	3
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	3000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	3000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Solvent Wash Mode	A, B
Sample Overlap	
Mode	Sample overlap is not enabled
Front SS Inlet He	
Mode	Splitless
Heater	On 250 °C
Pressure	On 10.015 psi
Total Flow	On 21 mL/min
Septum Purge Flow	On 3 mL/min
Septum Purge Flow Mode	Standard
Pre-Run Flow Test	Off
Gas Saver	On 15 mL/min after 2 min
Purge Flow to Split Vent	15 mL/min at 0.75 min
Liner	A Liner has not been selected.
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	3 mL/min
Post Run	2 mL/min
Temperature Range	-60 °C–325 °C (325 °C)
Dimensions	15 m x 320 µm x 1 µm
(Uncalibrated)	
Column lock	Unlocked
In	Front SS Inlet He
Out	Other
(Initial)	120 °C
Pressure	10.015 psi
Flow	3 mL/min
Average Velocity	60.612 cm/sec
Holdup Time	0.41246 min
Control Mode	Constant Flow
Column Outlet Pressure	0 psi

Detector Evaluation	
Perform Detector Evaluation Test	Off
Signal Selected	Signal #1: Diagnostics: Test
Plot {50 Hz}	
Checkout Sample	None

Signals	
Signal #1: Test Plot	
Description	Test Plot
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Front Sample

Signal #2:	
Description	None

Signal #3:	
Description	None

Signal #4:	
Description	None

Signal #5:	
Description	None

Signal #6:	
Description	None

Signal #7:	
Description	None

Signal #8:	
Description	None

The Data Analysis Parameters of the used Method are :

```
=====
                        Integration Events
=====
```

```
-----
Non signal specific Integration Events
-----
```

Event

Value

Tangent Skim Mode	New Exponential
Tail Peak Skim Height Ratio	5.000
Front Peak Skim Height Ratio	5.000
Skim Valley Ratio	20.000
Baseline Correction	Advanced
Peak to Valley Ratio	500.000

Default Integration Event Table "Event"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_FID"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial

Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_NPD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_FPD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_uECD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial

Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

 Detector Default Integration Event Table "Event_GC"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Apply Method's Manual Integration Events: No

=====
 Specify Report
 =====

Calculate: Area Percent
 Do not use Multiplier & Dilution Factor with ISTDs

Use Sample Data from Data File
 Report mode: Classic
 Destination: File (Prefix: Report)
 Destination File Types: No destination file types selected
 Quantitative Results sorted by: Signal
 Report Style: (None)
 Sample info on each page: No
 Add Chromatogram Output: No
 Uncalibrated Peaks: Do Not Report

=====
 Signal Options
 =====

Include: Axes, Retention Times, Baselines, Tick Marks
 Font: Arial, Size: 8

Ranges: Full
 Multi Chromatograms: Separated, Each in full Scale

=====
 Calibration Table
 =====

General Calibration Setting

Calib. Data Modified :
Signals calculated separately : No

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
 Calibration Table after Recalibration
 Normal Report after Recalibration
If the sequence is done with bracketing:
 Results of first cycle (ending previous bracket)

Signal Details

Overview Table

No Entries in table

Identification Details Table

No Entries in table

Peak Sum Table

No Entries in table

Component Details Table

No Entries in table

=====
Sample related custom fields
=====

Custom Field	Type	Mand.	Default Value

None defined			

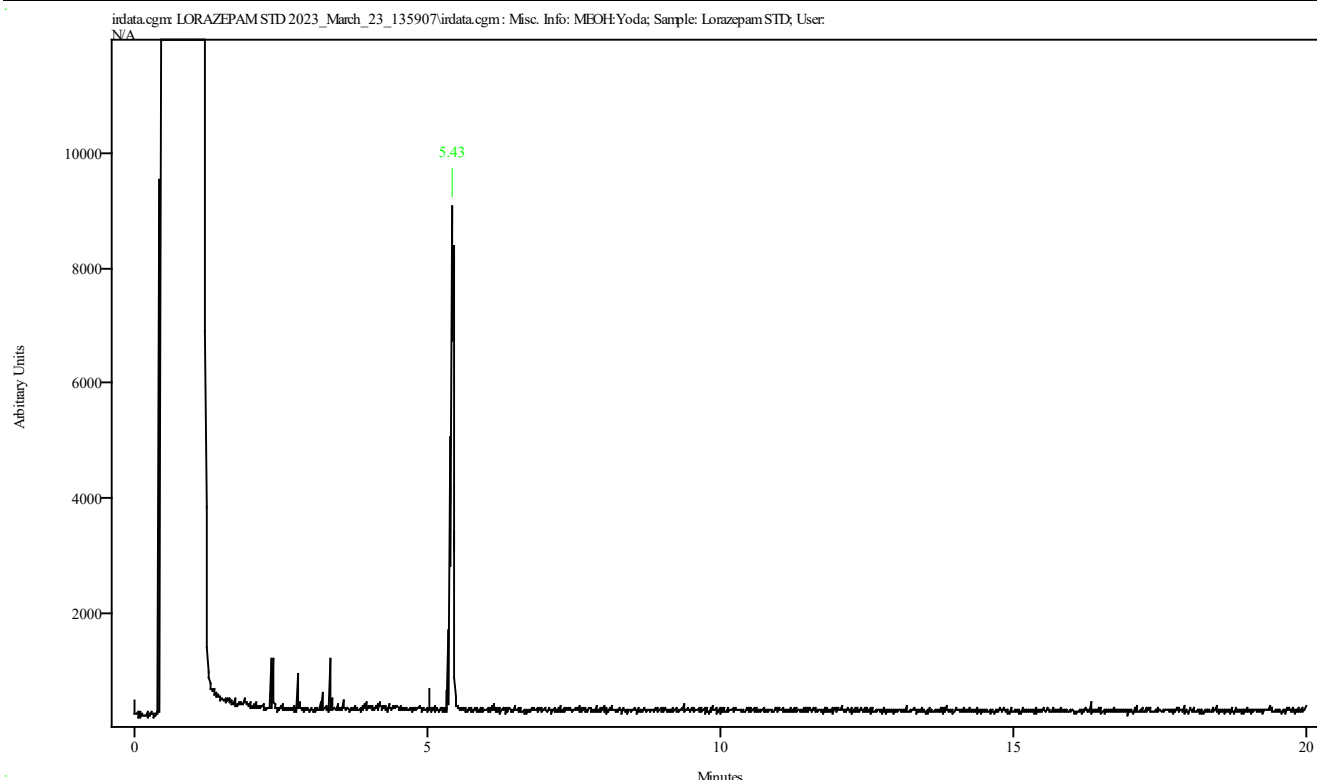
=====
Compound related custom fields
=====

Custom Field	Type	Mand.	Default Value

None defined			

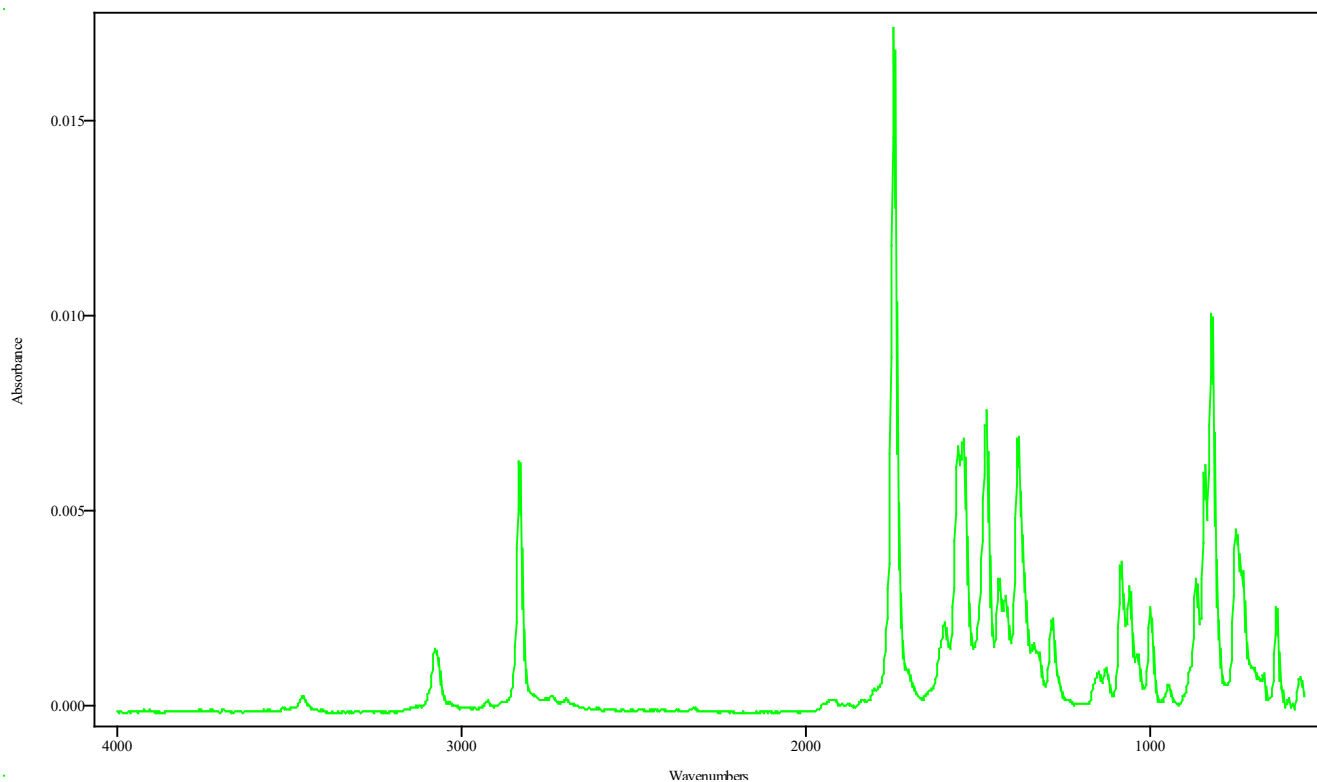
IRD Data Analysis Report

Data Filename	LORAZEPAM STD 2023_March_23_135907
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-23-23- STDs
IRD Method	IRD3 EXT
GC Method	SL120TO270(20MIN).M
GC Vial	8
Sample Name	Lorazepam STD
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Thu Mar 23 14:22:59 2023
Date Processed	Fri Mar 24 10:32:51 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
5.389	5.455	0.065	5.018	5.324

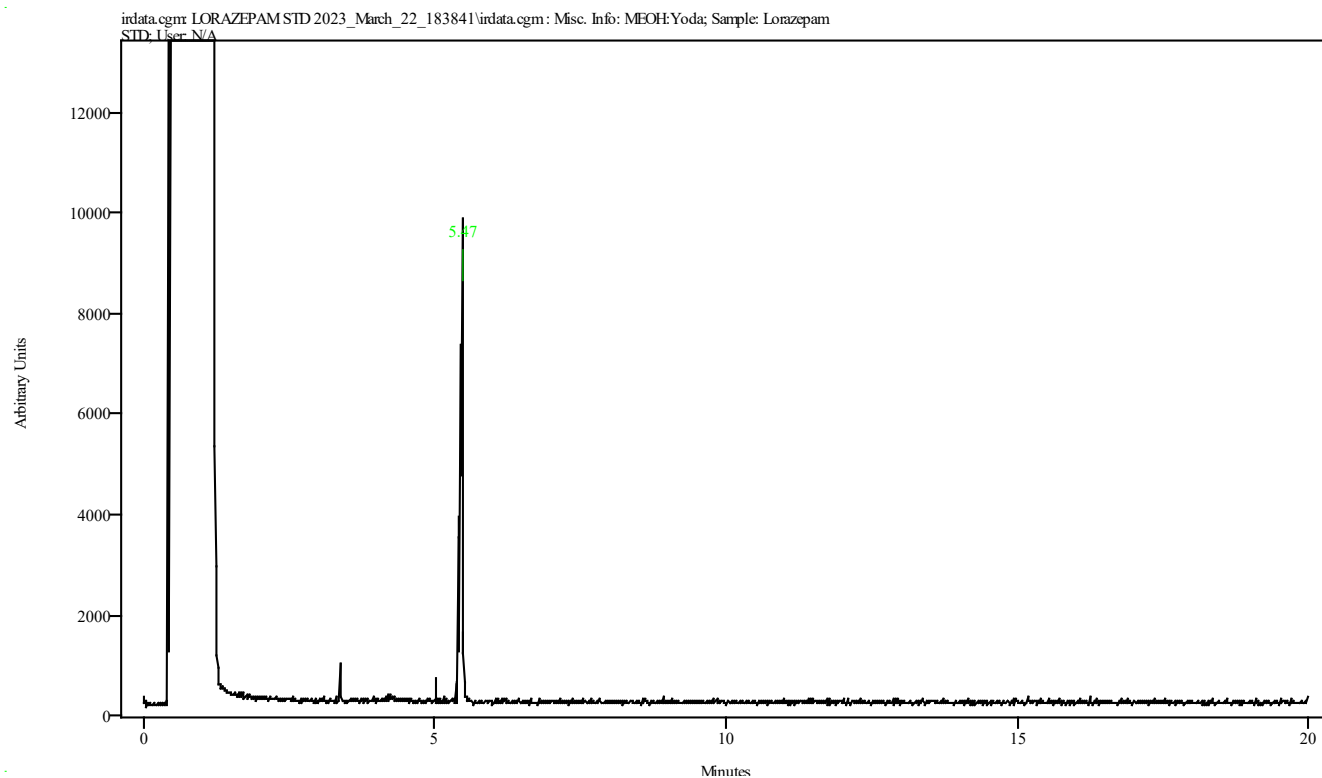
Data Filename	LORAZEPAM STD 2023_March_23_135907
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-23-23- STDs
IRD Method	IRD3 EXT
GC Method	SL120TO270(20MIN).M
GC Vial	8
Sample Name	Lorazepam STD
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Thu Mar 23 14:22:59 2023
Date Processed	Fri Mar 24 10:32:51 2023



IRDATA.SPC: 5.43 minutes: AVE (5.39: 5.45) Ref. (5.02: 5.32) of LORAZEPAM STD
2023_March_23_135907.cgm

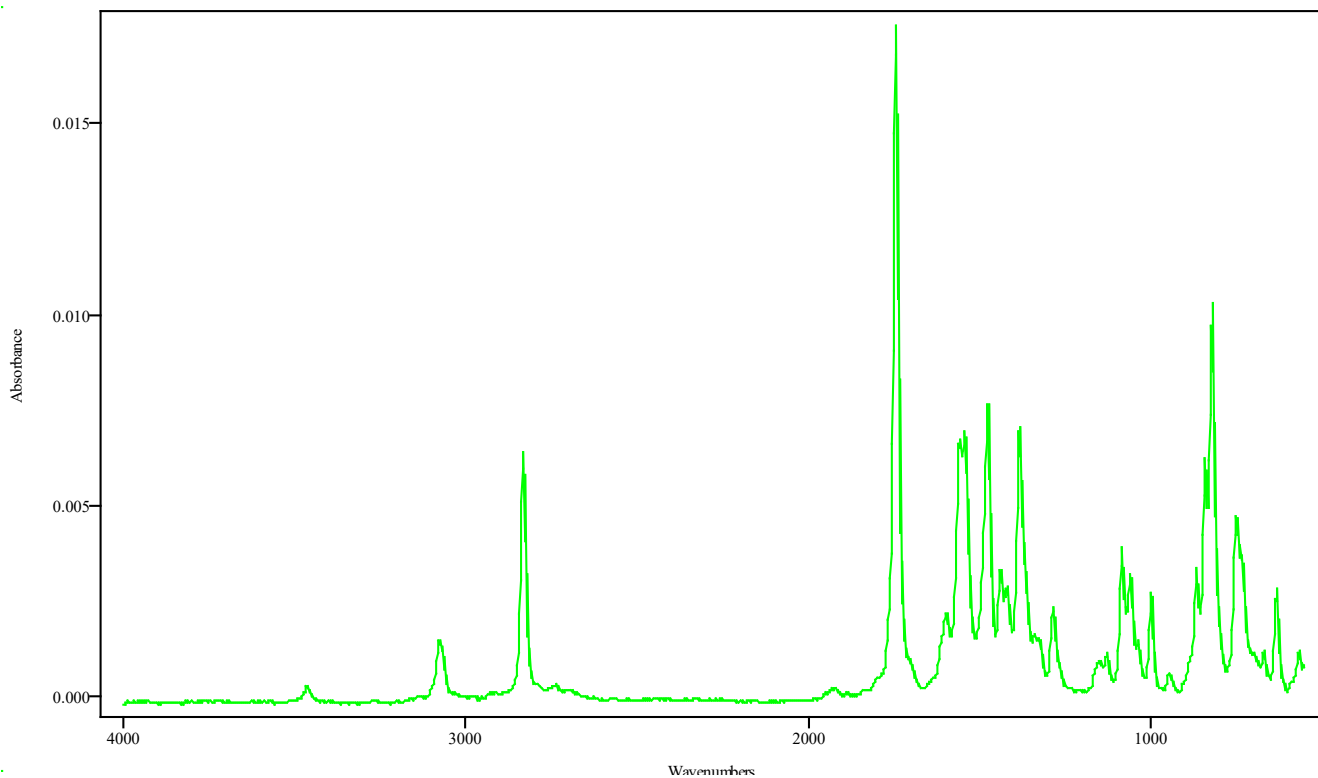
IRD Data Analysis Report

Data Filename	LORAZEPAM STD 2023_March_22_183841
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-22-23-STDS
IRD Method	IRD3 EXT
GC Method	SL120TO270(20MIN).M
GC Vial	8
Sample Name	Lorazepam STD
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Wed Mar 22 19:02:33 2023
Date Processed	Thu Mar 23 12:06:56 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
5.423	5.500	0.077	5.018	5.368

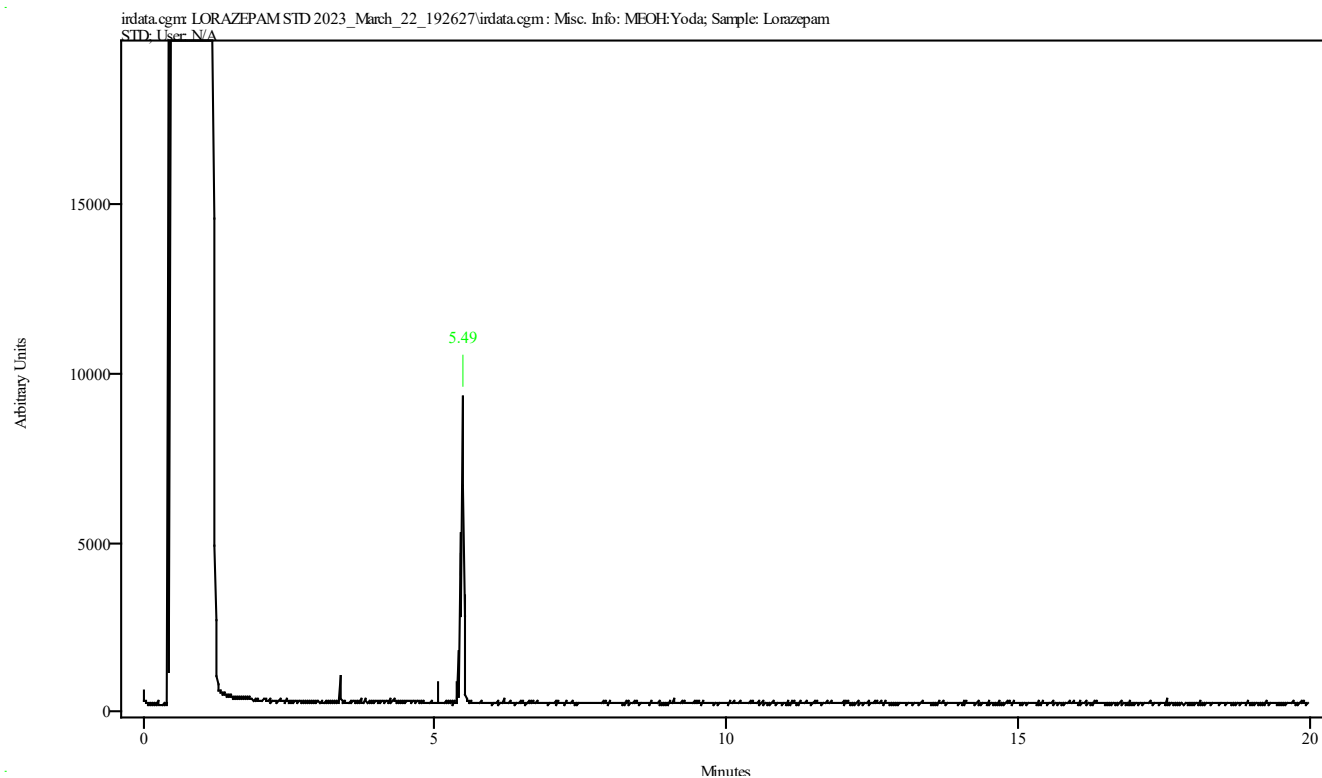
Data Filename	LORAZEPAM STD 2023_March_22_183841
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-22-23-STDS
IRD Method	IRD3 EXT
GC Method	SL120TO270(20MIN).M
GC Vial	8
Sample Name	Lorazepam STD
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Wed Mar 22 19:02:33 2023
Date Processed	Thu Mar 23 12:06:56 2023



IRDATA.SPC: 5.47 minutes: AVE (5.42: 5.50) Ref. (5.02: 5.37) of LORAZEPAM STD
2023_March_22_183841.cgm

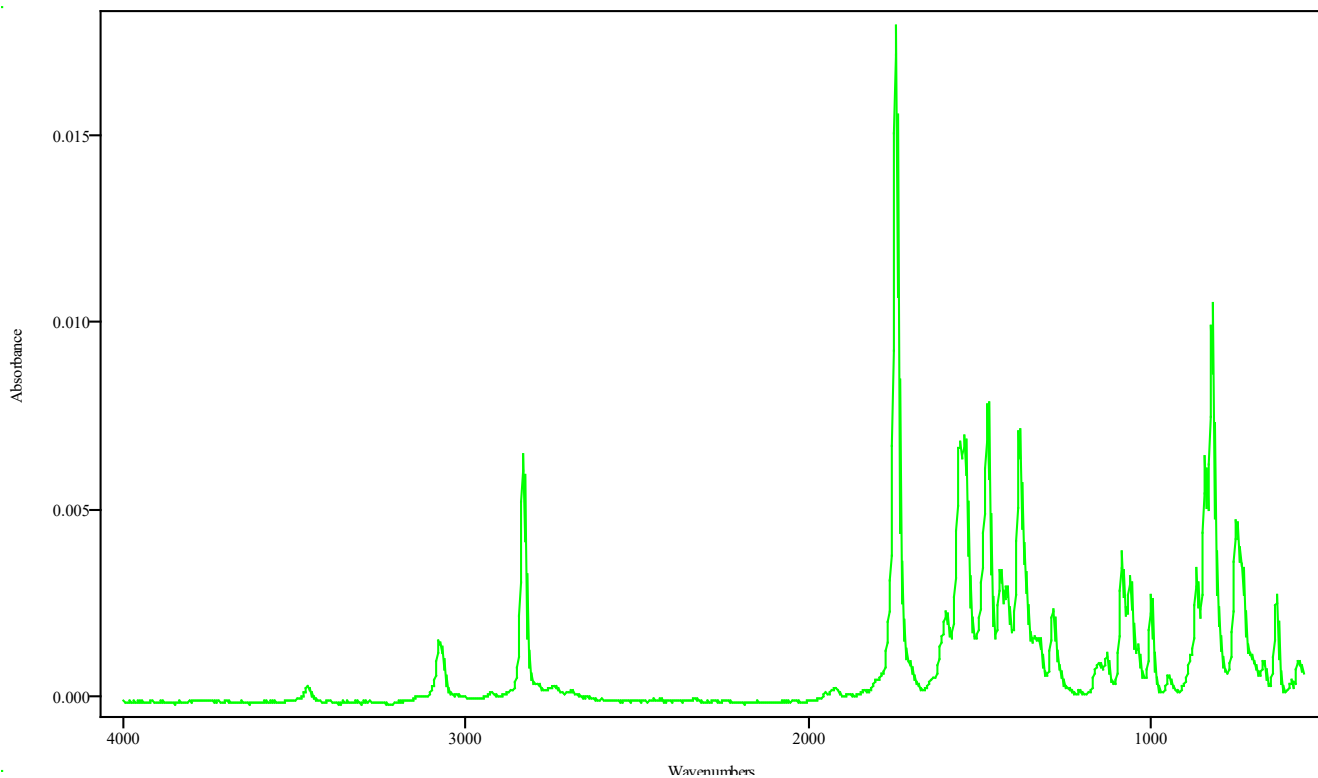
IRD Data Analysis Report

Data Filename	LORAZEPAM STD 2023_March_22_192627
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-22-23-STDS
IRD Method	IRD3 EXT
GC Method	SL120TO270(20MIN).M
GC Vial	8
Sample Name	Lorazepam STD
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Wed Mar 22 19:50:24 2023
Date Processed	Thu Mar 23 12:09:07 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
5.443	5.509	0.066	5.071	5.378

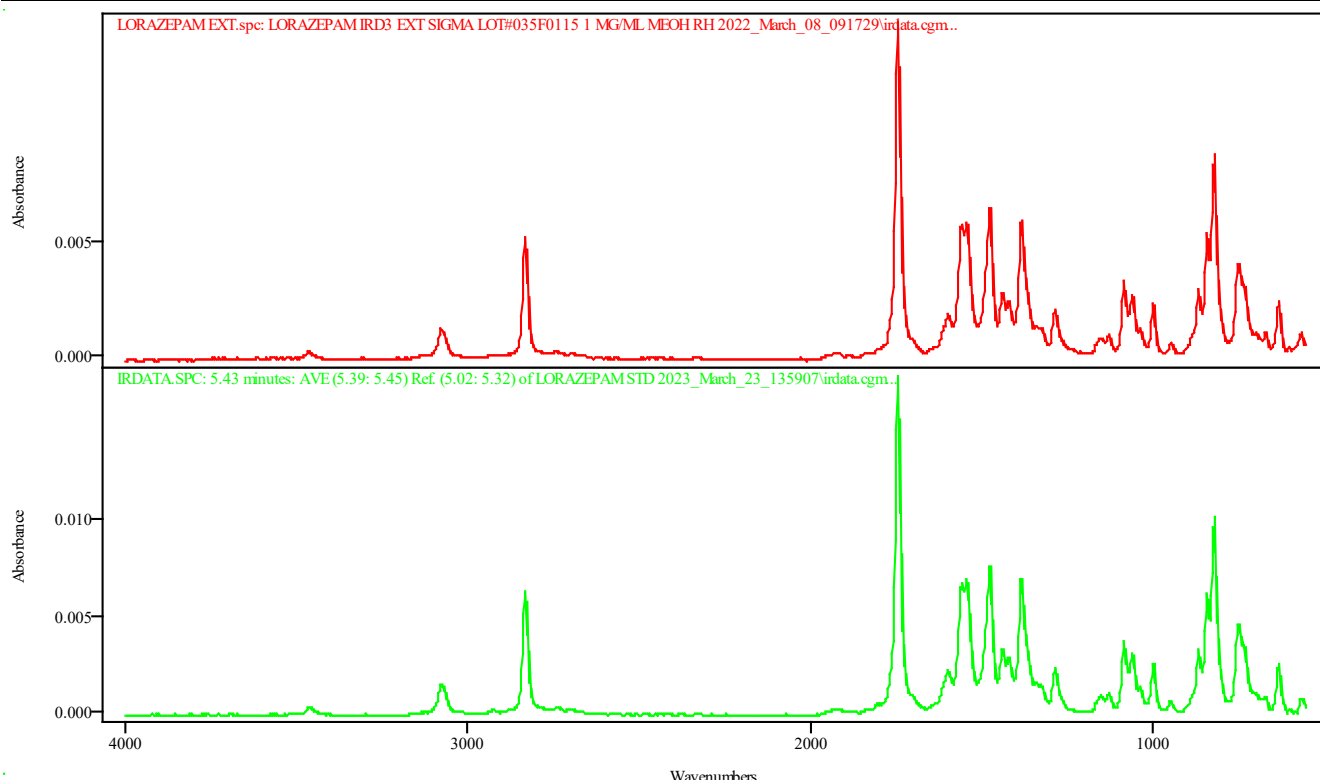
Data Filename	LORAZEPAM STD 2023_March_22_192627
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-22-23-STDS
IRD Method	IRD3 EXT
GC Method	SL120TO270(20MIN).M
GC Vial	8
Sample Name	Lorazepam STD
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Wed Mar 22 19:50:24 2023
Date Processed	Thu Mar 23 12:09:07 2023



IRDATA.SPC: 5.49 minutes: AVE (5.44: 5.51) Ref. (5.07: 5.38) of LORAZEPAM STD
2023_March_22_192627.cgm

IRD Data Analysis Report

Data Filename	LORAZEPAM STD 2023_March_23_135907
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-23-23- STDs
IRD Method	IRD3 EXT
GC Method	SL120TO270(20MIN).M
GC Vial	8
Sample Name	Lorazepam STD
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Thu Mar 23 14:22:59 2023
Date Processed	Mon Apr 03 10:09:51 2023



IRDATA.SPC: 5.43 minutes: AVE (5.39: 5.45) Ref. (5.02: 5.32) of LORAZEPAM STD
2023_March_23_135907.cgm

LORAZEPAM EXT.spc: LORAZEPAM IRD3 EXT SIGMA LOT#035F0115 1 MG/ML MEOH RH
2022_March_08_091729\irdata.cgm

Method Information

Method: C:\Users\Public\Documents\ChemStation\1
\Methods\SL120TO270.M
Modified: 3/7/2023 at 3:49:35 PM

SPLITLESS AUTOSAMPLE 120 TO 270C, HOLD FOR 1 MIN @120C, RAMP @70C PER
MIN TO 270C. 10 MINUTE METHOD.

Method Audit Trail

Operator : SYSTEM
Date : 2/6/2020 12:55:43 PM
Change Info: This method was created at 2/6/2020 12:55:43 PM and based on
method
'C:\USERS\PUBLIC\DOCUMENTS\CHEMSTATION\1\METHODS\120TO270.M'

Operator : SYSTEM
Date : 2/6/2020 12:55:44 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/6/2020 12:58:01 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/6/2020 3:58:23 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/19/2020 10:06:48 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 10/6/2020 1:00:20 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/16/2023 11:03:40 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 3/7/2023 3:49:35 PM
Change Info: Method saved. User comment: ""

Run Time Checklist

Pre-Run Cmd/Macro: off

Data Acquisition: on

Standard Data Analysis: on
Modify Custom Fields: off
Customized Data Analysis: off
Save GLP Data: off
Post-Run Cmd/Macro: off
Save Method with Data: off

Injection Source and Location

Injection Source: GC Injector

Injection Location: Front

Agilent 8890

Module Type: GC
Module Name: Agilent 8890
GC

GC Summary

Run Time	10 min
Post Run Time	0 min

Oven

Temperature Setpoint	On
(Initial)	120 °C
Hold Time	1 min
Post Run	120 °C
Program	
#1 Rate	70 °C/min
#1 Value	270 °C
#1 Hold Time	6.8571 min

Equilibration Time	1 min
Max Temperature	325 °C
Maximum Temperature Override	Disabled
Slow Fan	Disabled

ALS

Front Injector	
Syringe Size	10 µL
Injection Volume	1 µL
Solvent A Washes (PreInj)	3
Solvent A Washes (PostInj)	0
Solvent A Volume	8 µL

Solvent B Washes (PreInj)	3
Solvent B Washes (PostInj)	0
Solvent B Volume	8 µL
Sample Washes	1
Sample Wash Volume	8 µL
Sample Pumps	3
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	3000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	3000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Solvent Wash Mode	A, B
Sample Overlap	
Mode	Sample overlap is not enabled
Front SS Inlet He	
Mode	Splitless
Heater	On 250 °C
Pressure	On 10.015 psi
Total Flow	On 21 mL/min
Septum Purge Flow	On 3 mL/min
Septum Purge Flow Mode	Standard
Pre-Run Flow Test	Off
Gas Saver	On 15 mL/min after 2 min
Purge Flow to Split Vent	15 mL/min at 0.75 min
Liner	A Liner has not been selected.
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	3 mL/min
Post Run	2 mL/min
Temperature Range	-60 °C–325 °C (325 °C)
Dimensions	15 m x 320 µm x 1 µm
(Uncalibrated)	
Column lock	Unlocked
In	Front SS Inlet He
Out	Other
(Initial)	120 °C
Pressure	10.015 psi
Flow	3 mL/min
Average Velocity	60.612 cm/sec
Holdup Time	0.41246 min
Control Mode	Constant Flow
Column Outlet Pressure	0 psi

Detector Evaluation	
Perform Detector Evaluation Test	Off
Signal Selected	Signal #1: Diagnostics: Test
Plot {50 Hz}	
Checkout Sample	None

Signals	
Signal #1: Test Plot	
Description	Test Plot
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Front Sample

Signal #2:	
Description	None

Signal #3:	
Description	None

Signal #4:	
Description	None

Signal #5:	
Description	None

Signal #6:	
Description	None

Signal #7:	
Description	None

Signal #8:	
Description	None

The Data Analysis Parameters of the used Method are :

=====
Integration Events
=====

Non signal specific Integration Events

Event

Value

Tangent Skim Mode	New Exponential
Tail Peak Skim Height Ratio	5.000
Front Peak Skim Height Ratio	5.000
Skim Valley Ratio	20.000
Baseline Correction	Advanced
Peak to Valley Ratio	500.000

Default Integration Event Table "Event"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_FID"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial

Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_NPD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_FPD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_uECD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial

Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

 Detector Default Integration Event Table "Event_GC"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Apply Method's Manual Integration Events: No

=====
 Specify Report
 =====

Calculate: Area Percent
 Do not use Multiplier & Dilution Factor with ISTDs

Use Sample Data from Data File
 Report mode: Classic
 Destination: File (Prefix: Report)
 Destination File Types: No destination file types selected
 Quantitative Results sorted by: Signal
 Report Style: (None)
 Sample info on each page: No
 Add Chromatogram Output: No
 Uncalibrated Peaks: Do Not Report

=====
 Signal Options
 =====

Include: Axes, Retention Times, Baselines, Tick Marks
 Font: Arial, Size: 8

Ranges: Full
 Multi Chromatograms: Separated, Each in full Scale

=====
 Calibration Table
 =====

General Calibration Setting

Calib. Data Modified :
Signals calculated separately : No

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
 Calibration Table after Recalibration
 Normal Report after Recalibration
If the sequence is done with bracketing:
 Results of first cycle (ending previous bracket)

Signal Details

Overview Table

No Entries in table

Identification Details Table

No Entries in table

Peak Sum Table

No Entries in table

Component Details Table

No Entries in table

=====
Sample related custom fields
=====

Custom Field	Type	Mand.	Default Value

None defined			

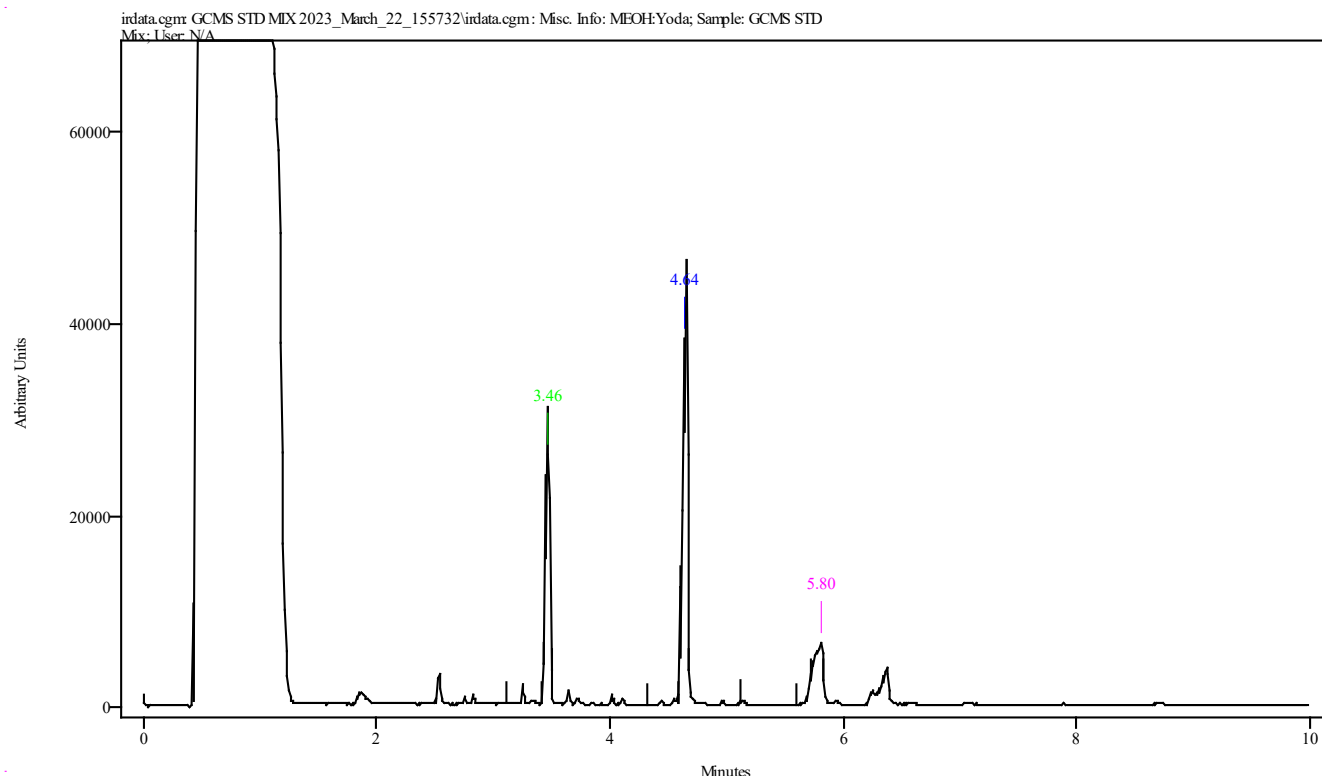
=====
Compound related custom fields
=====

Custom Field	Type	Mand.	Default Value

None defined			

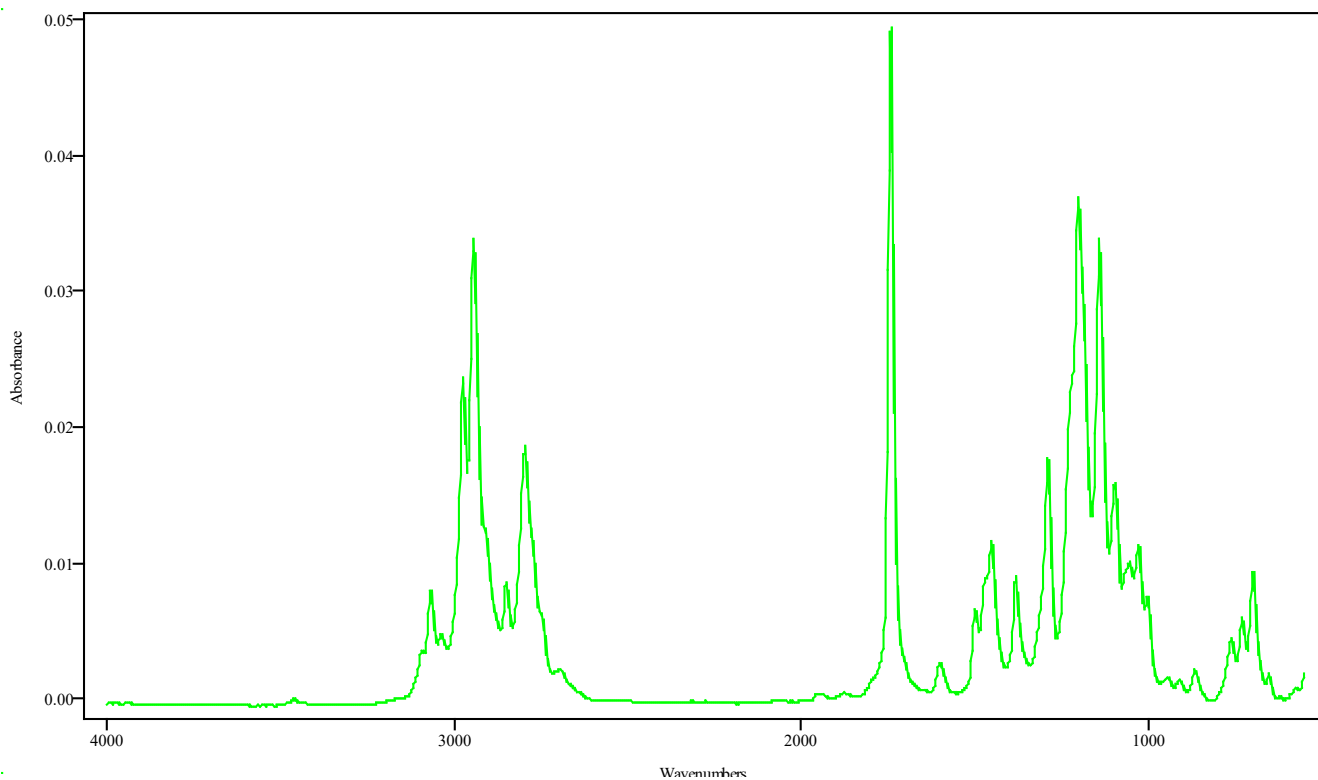
IRD Data Analysis Report

Data Filename	GCMS STD MIX 2023_March_22_155732
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-22-23-STDS
IRD Method	IRD3 EXT
GC Method	SL120TO270.M
GC Vial	6
Sample Name	GCMS STD Mix
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Wed Mar 22 16:11:24 2023
Date Processed	Thu Mar 23 12:16:03 2023



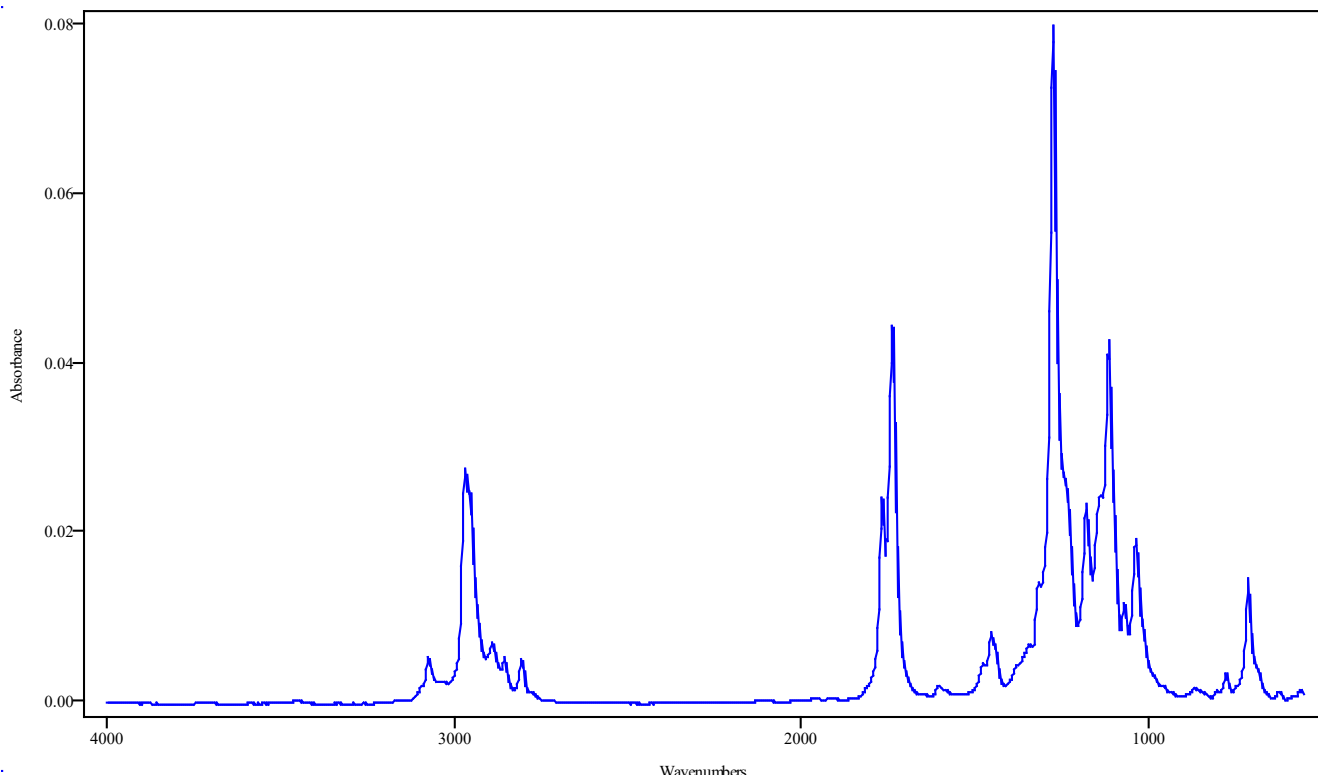
Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.432	3.497	0.066	3.104	3.410
4.612	4.678	0.066	4.317	4.579
5.716	5.836	0.120	5.126	5.607

Data Filename	GCMS STD MIX 2023_March_22_155732
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-22-23-STDS
IRD Method	IRD3 EXT
GC Method	SL120TO270.M
GC Vial	6
Sample Name	GCMS STD Mix
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Wed Mar 22 16:11:24 2023
Date Processed	Thu Mar 23 12:16:03 2023



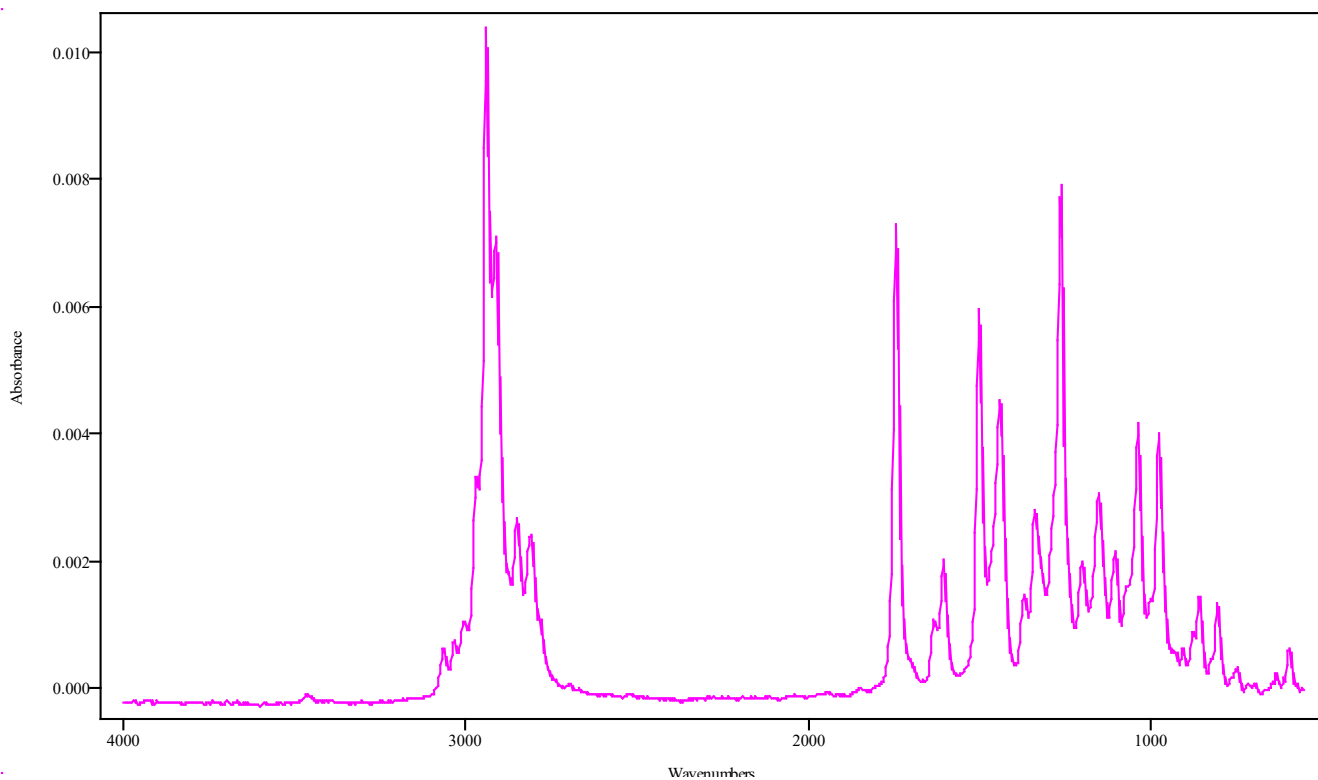
IRDATA.SPC: 3.46 minutes: AVE (3.43: 3.50) Ref. (3.10: 3.41) of GCMS STD MIX
2023_March_22_155732.cgm Pethidine

Data Filename	GCMS STD MIX 2023_March_22_155732
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-22-23-STDS
IRD Method	IRD3 EXT
GC Method	SL120TO270.M
GC Vial	6
Sample Name	GCMS STD Mix
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Wed Mar 22 16:11:24 2023
Date Processed	Thu Mar 23 12:16:03 2023



IRDATA.SPC: 4.64 minutes: AVE (4.61: 4.68) Ref. (4.32: 4.58) of GCMS STD MIX
2023_March_22_155732.cgm Cocaine

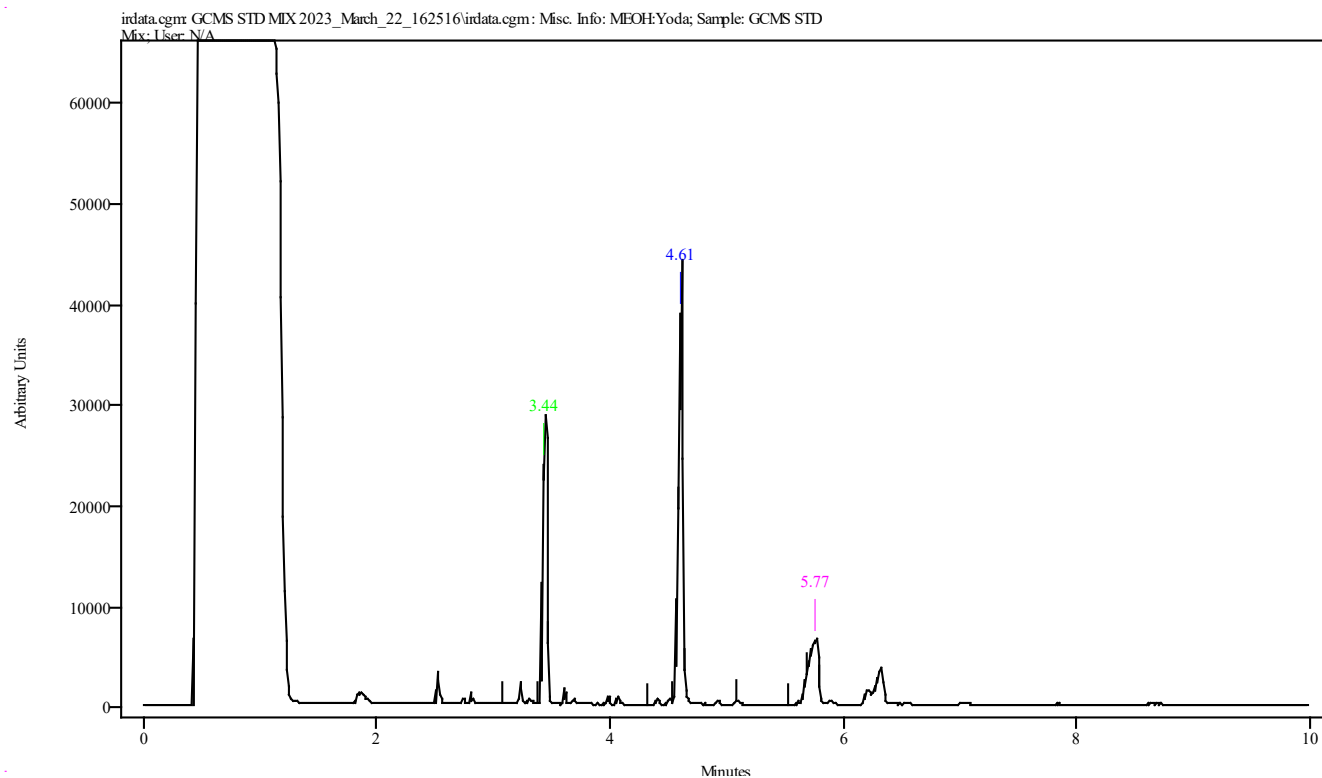
Data Filename	GCMS STD MIX 2023_March_22_155732
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-22-23-STDS
IRD Method	IRD3 EXT
GC Method	SL120TO270.M
GC Vial	6
Sample Name	GCMS STD Mix
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Wed Mar 22 16:11:24 2023
Date Processed	Thu Mar 23 12:16:03 2023



IRDATA.SPC: 5.80 minutes: AVE (5.72: 5.84) Ref. (5.13: 5.61) of GCMS STD MIX
2023_March_22_155732.cgm Hydrocodone

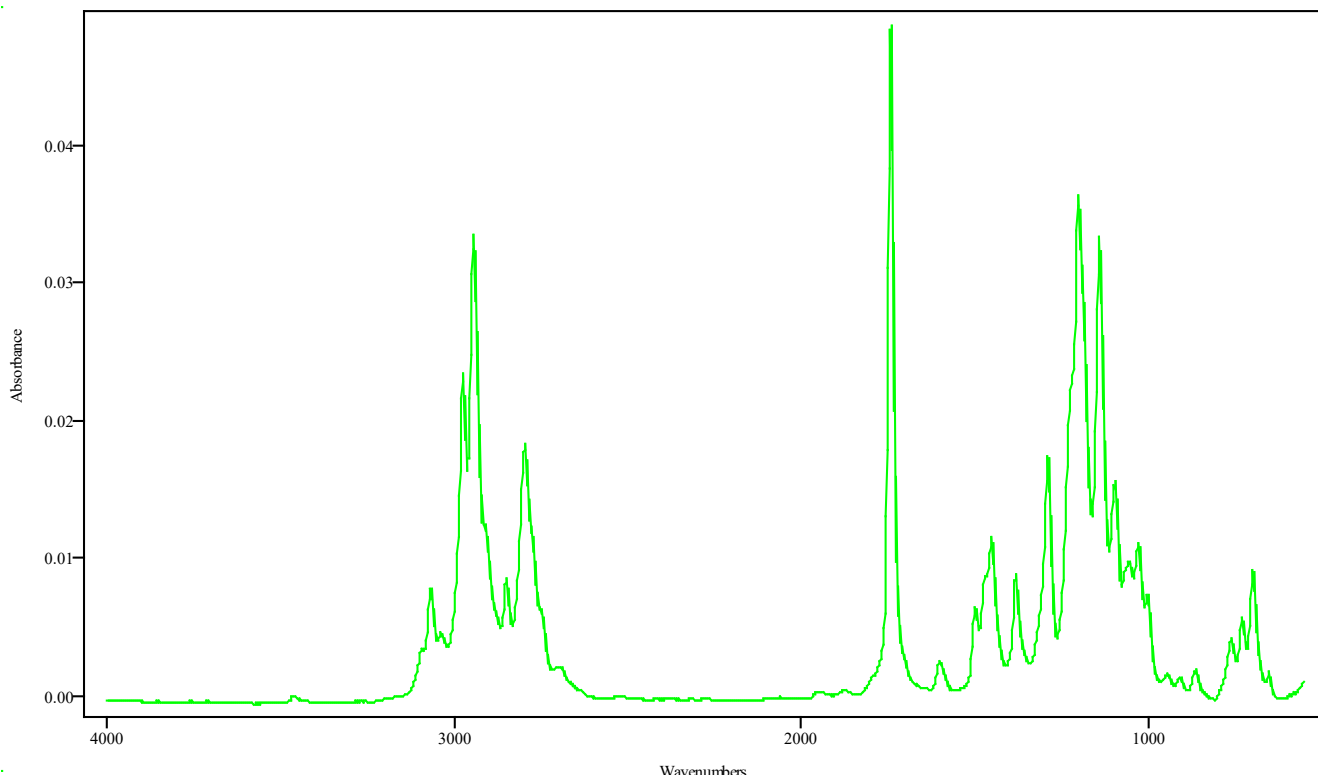
IRD Data Analysis Report

Data Filename	GCMS STD MIX 2023_March_22_162516
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-22-23-STDS
IRD Method	IRD3 EXT
GC Method	SL120TO270.M
GC Vial	6
Sample Name	GCMS STD Mix
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Wed Mar 22 16:39:09 2023
Date Processed	Thu Mar 23 12:19:04 2023



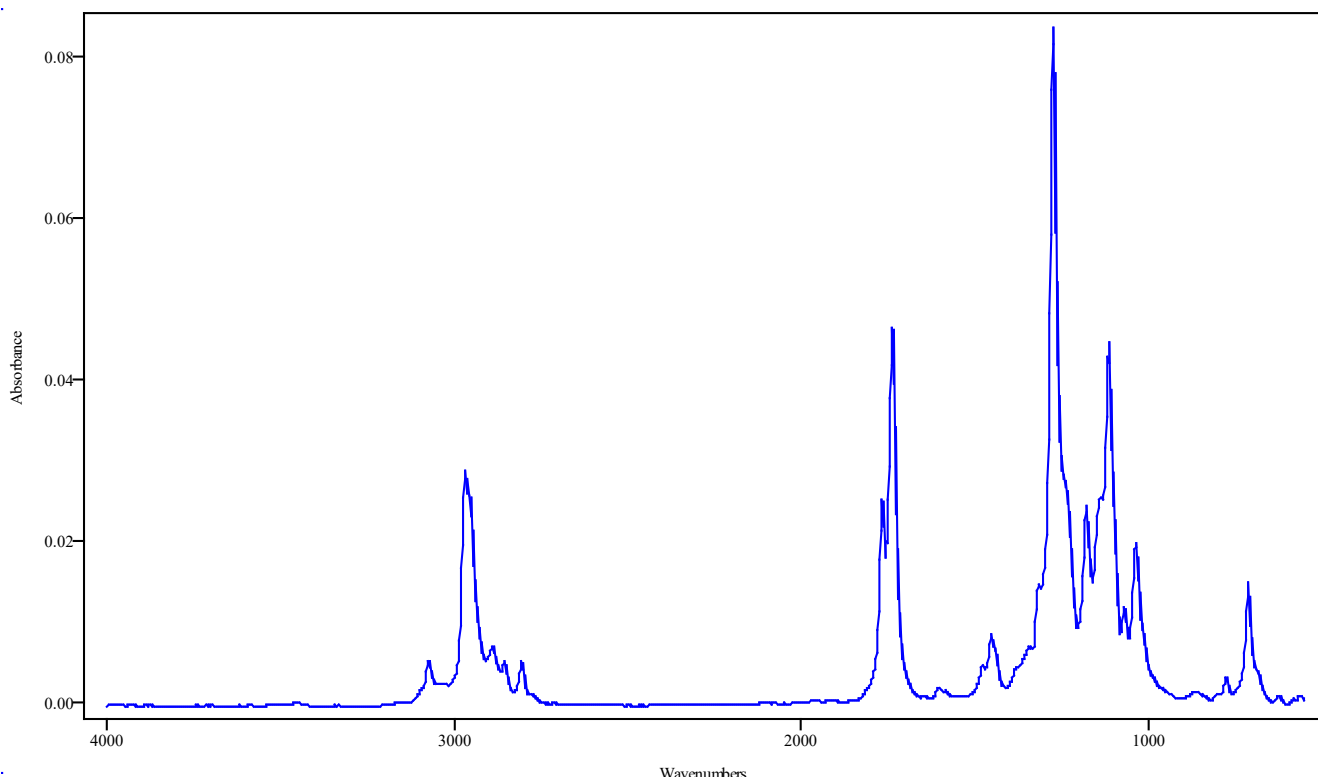
Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.407	3.472	0.066	3.079	3.385
4.586	4.641	0.055	4.324	4.542
5.689	5.798	0.109	5.088	5.525

Data Filename	GCMS STD MIX 2023_March_22_162516
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-22-23-STDS
IRD Method	IRD3 EXT
GC Method	SL120TO270.M
GC Vial	6
Sample Name	GCMS STD Mix
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Wed Mar 22 16:39:09 2023
Date Processed	Thu Mar 23 12:19:04 2023



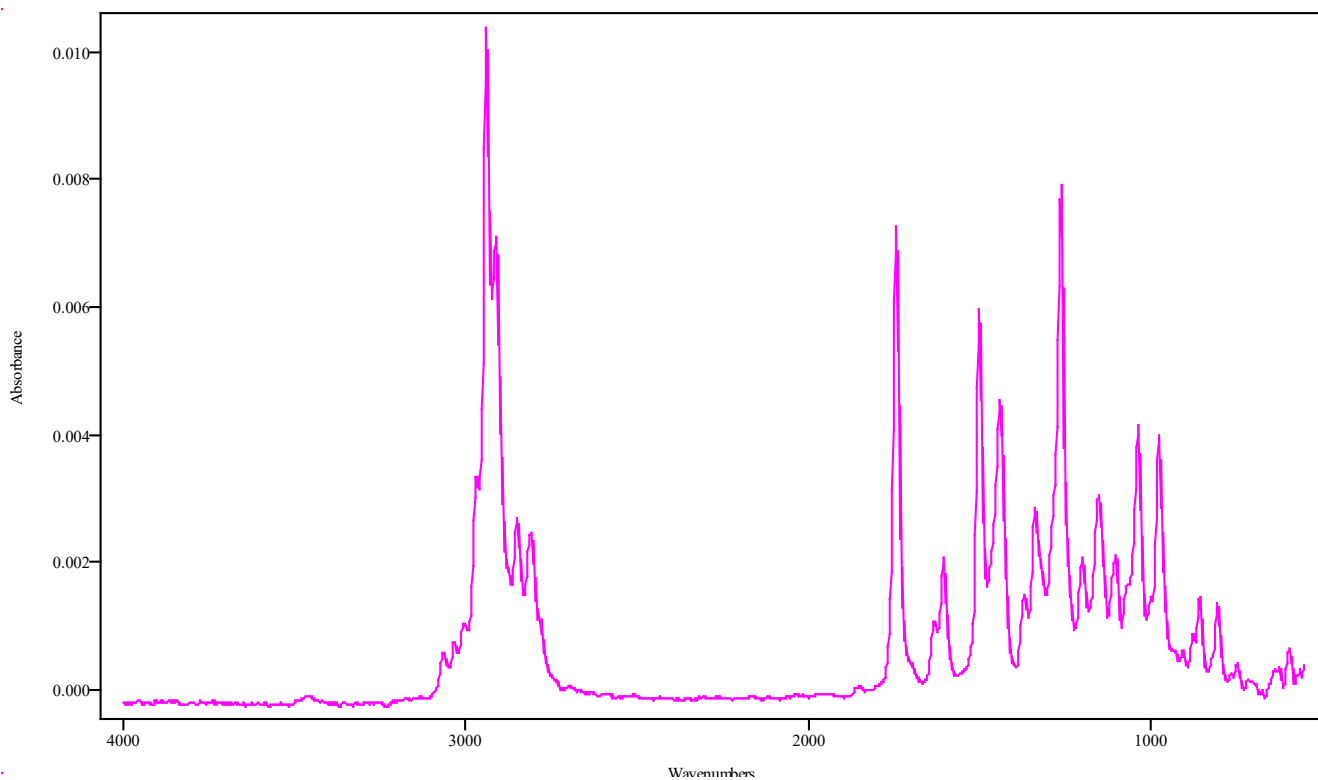
IRDATA.SPC: 3.44 minutes: AVE (3.41: 3.47) Ref. (3.08: 3.38) of GCMS STD MIX
2023_March_22_162516.cgm Pethidine

Data Filename	GCMS STD MIX 2023_March_22_162516
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-22-23-STDS
IRD Method	IRD3 EXT
GC Method	SL120TO270.M
GC Vial	6
Sample Name	GCMS STD Mix
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Wed Mar 22 16:39:09 2023
Date Processed	Thu Mar 23 12:19:04 2023



IRDATA.SPC: 4.61 minutes: AVE (4.59: 4.64) Ref. (4.32: 4.54) of GCMS STD MIX
2023_March_22_162516.cgm Cocaine

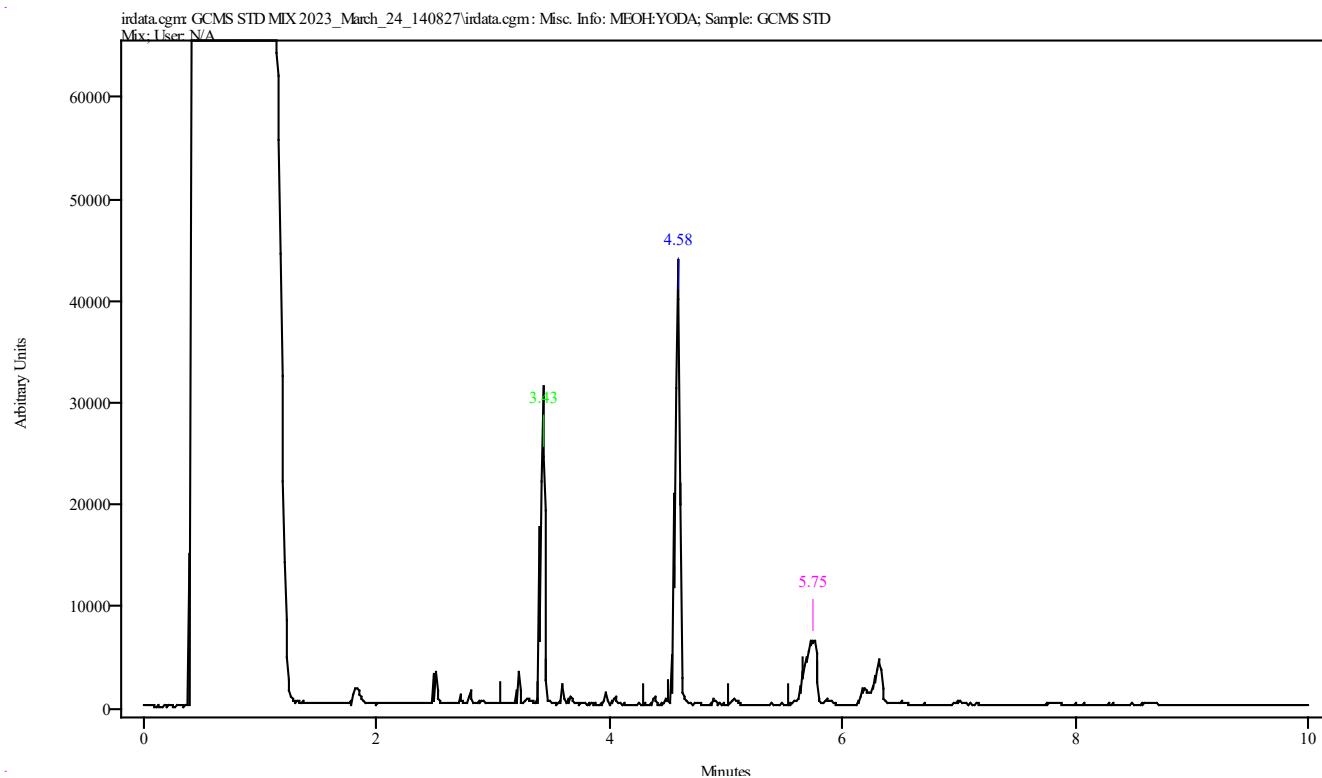
Data Filename	GCMS STD MIX 2023_March_22_162516
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-22-23-STDS
IRD Method	IRD3 EXT
GC Method	SL120TO270.M
GC Vial	6
Sample Name	GCMS STD Mix
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Wed Mar 22 16:39:09 2023
Date Processed	Thu Mar 23 12:19:04 2023



IRDATA.SPC: 5.77 minutes: AVE (5.69: 5.80) Ref. (5.09: 5.53) of GCMS STD MIX
2023_March_22_162516.cgm Hydrocodone

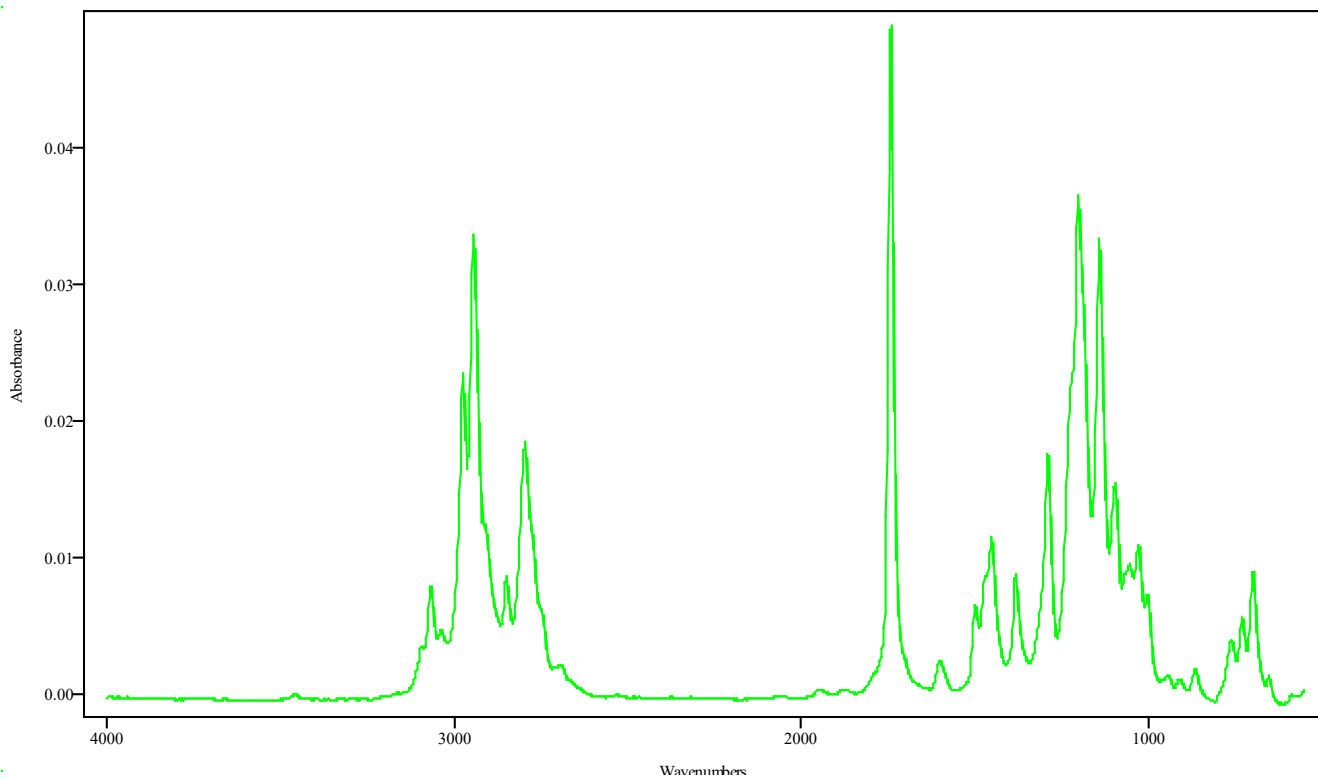
IRD Data Analysis Report

Data Filename	GCMS STD MIX 2023_March_24_140827
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-24-23-STDs
IRD Method	IRD3 EXT
GC Method	SL120TO270.M
GC Vial	6
Sample Name	GCMS STD Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Fri Mar 24 14:22:20 2023
Date Processed	Fri Mar 24 14:46:06 2023



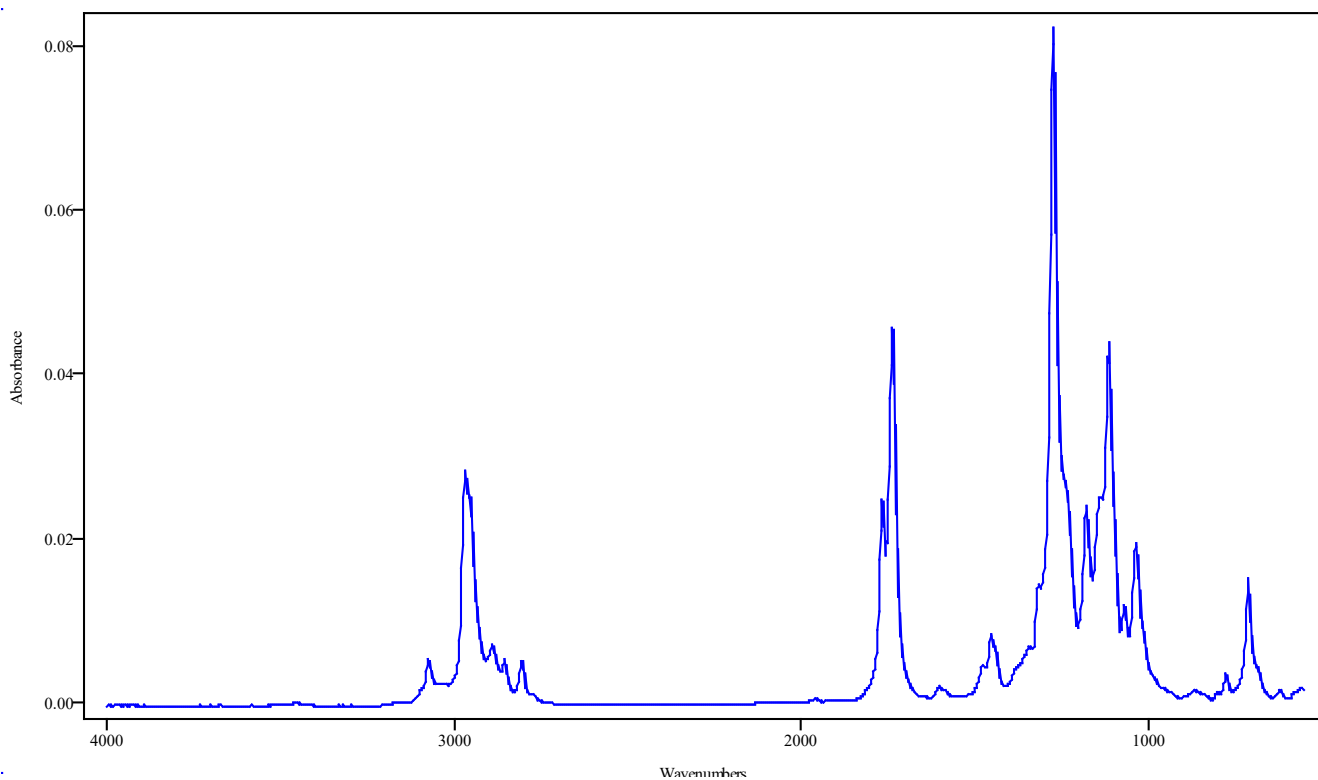
Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.394	3.460	0.065	3.067	3.372
4.551	4.606	0.055	4.289	4.507
5.653	5.784	0.131	5.009	5.533

Data Filename	GCMS STD MIX 2023_March_24_140827
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-24-23-STDs
IRD Method	IRD3 EXT
GC Method	SL120TO270.M
GC Vial	6
Sample Name	GCMS STD Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Fri Mar 24 14:22:20 2023
Date Processed	Fri Mar 24 14:46:06 2023



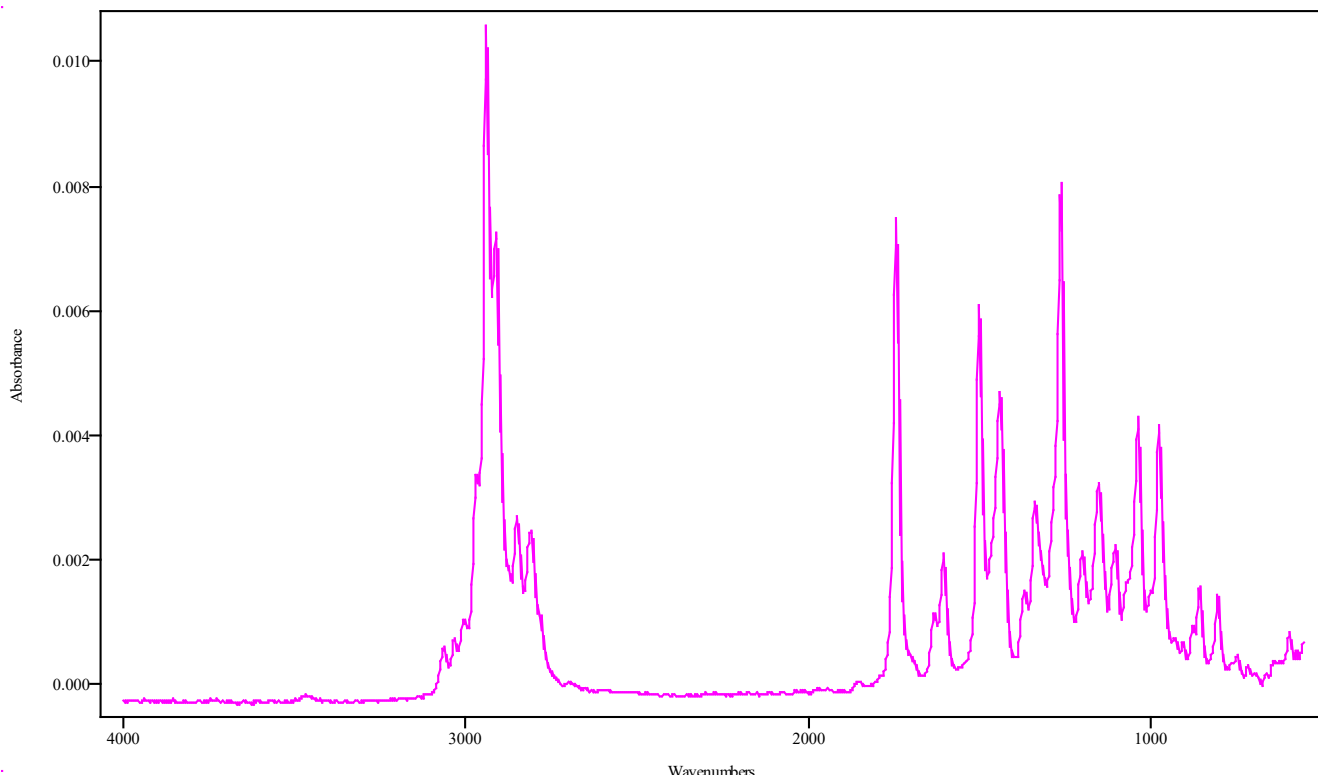
IRDATA.SPC: 3.43 minutes: AVE (3.39: 3.46) Ref. (3.07: 3.37) of GCMS STD MIX
2023_March_24_140827.cgm Pethidine

Data Filename	GCMS STD MIX 2023_March_24_140827
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-24-23-STDs
IRD Method	IRD3 EXT
GC Method	SL120TO270.M
GC Vial	6
Sample Name	GCMS STD Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Fri Mar 24 14:22:20 2023
Date Processed	Fri Mar 24 14:46:06 2023



IRDATA.SPC: 4.58 minutes: AVE (4.55: 4.61) Ref. (4.29: 4.51) of GCMS STD MIX
2023_March_24_140827.cgm Cocaine

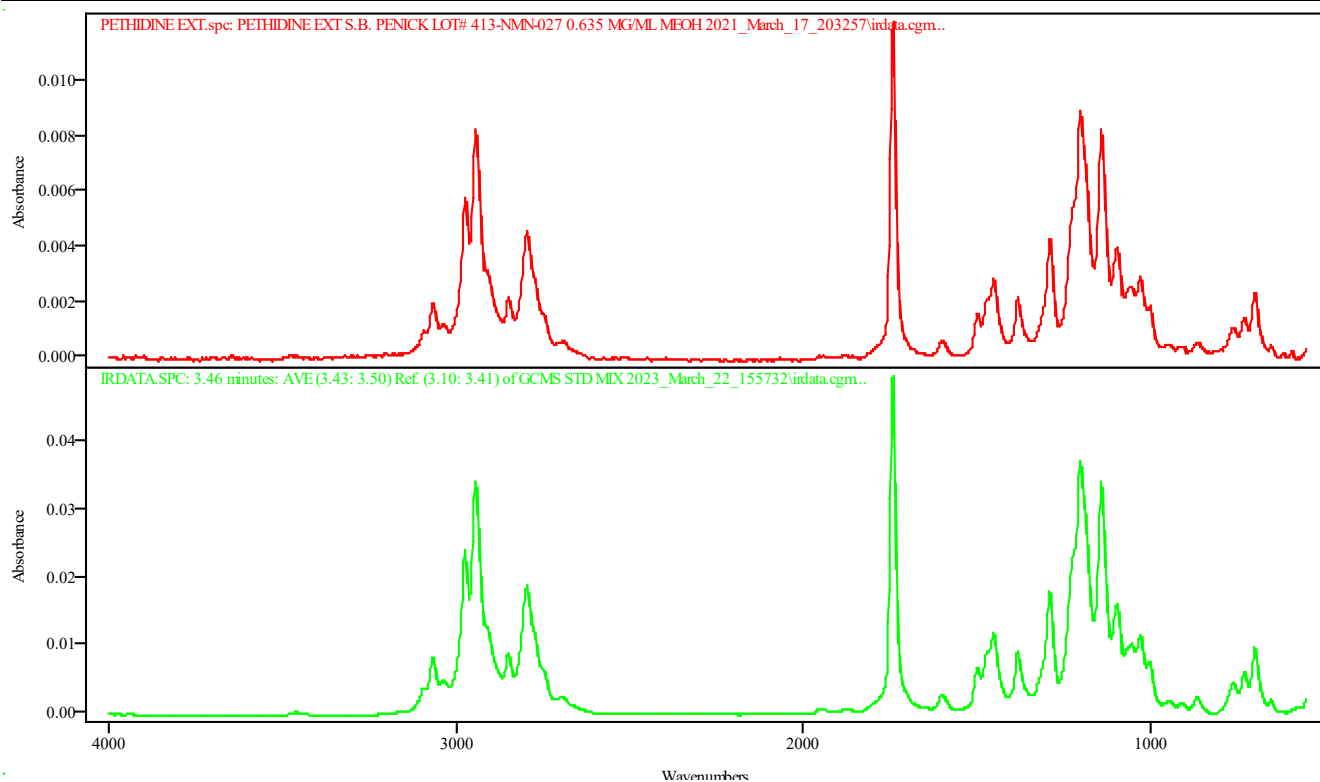
Data Filename	GCMS STD MIX 2023_March_24_140827
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-24-23-STDs
IRD Method	IRD3 EXT
GC Method	SL120TO270.M
GC Vial	6
Sample Name	GCMS STD Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Fri Mar 24 14:22:20 2023
Date Processed	Fri Mar 24 14:46:06 2023



IRDATA.SPC: 5.75 minutes: AVE (5.65: 5.78) Ref. (5.01: 5.53) of GCMS STD MIX
2023_March_24_140827.cgm Hydrocodone

IRD Data Analysis Report

Data Filename	GCMS STD MIX 2023_March_22_155732
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-22-23-STDs
IRD Method	IRD3 EXT
GC Method	SL120TO270.M
GC Vial	6
Sample Name	GCMS STD Mix
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Wed Mar 22 16:11:24 2023
Date Processed	Mon Apr 03 10:25:28 2023

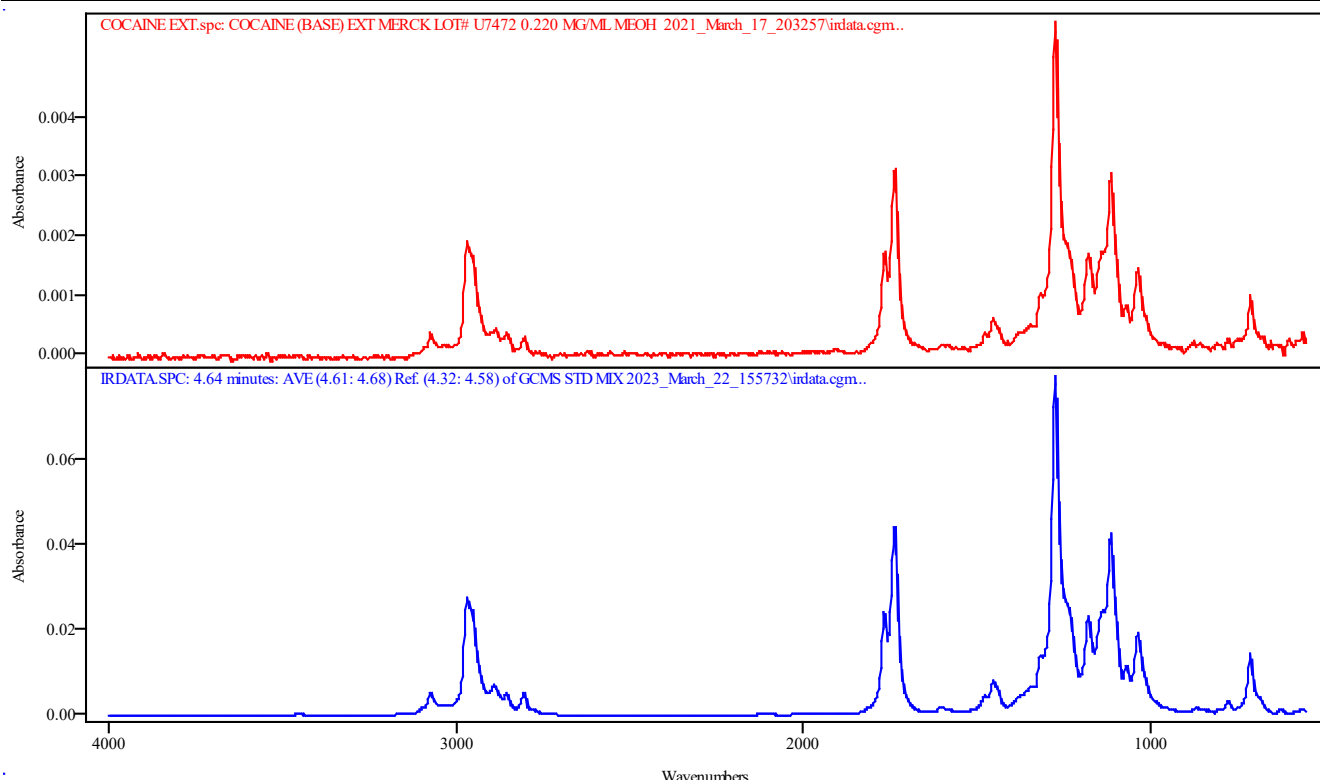


IRDATA.SPC: 3.46 minutes: AVE (3.43: 3.50) Ref. (3.10: 3.41) of GCMS STD MIX 2023_March_22_155732.cgm

PETHIDINE EXT.spc: PETHIDINE EXT S.B. PENICK LOT# 413-NMN-027 0.635 MG/ML MEOH 2021_March_17_203257\irdata.cgm

IRD Data Analysis Report

Data Filename	GCMS STD MIX 2023_March_22_155732
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-22-23-STDS
IRD Method	IRD3 EXT
GC Method	SL120TO270.M
GC Vial	6
Sample Name	GCMS STD Mix
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Wed Mar 22 16:11:24 2023
Date Processed	Mon Apr 03 10:26:09 2023

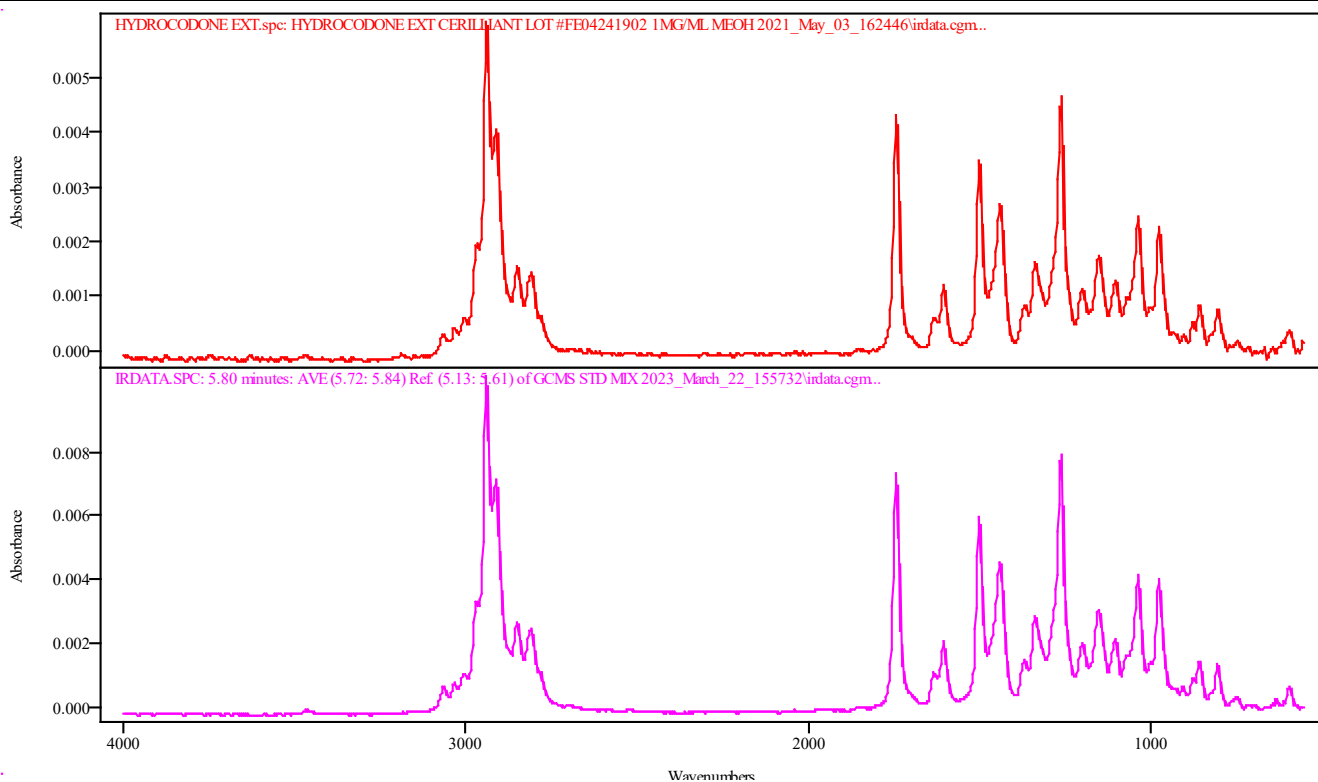


IRDATA.SPC: 4.64 minutes: AVE (4.61: 4.68) Ref. (4.32: 4.58) of GCMS STD MIX
2023_March_22_155732.cgm

COCAINE EXT.spc: COCAINE (BASE) EXT MERCK LOT# U7472 0.220 MG/ML MEOH
2021_March_17_203257\irdata.cgm

IRD Data Analysis Report

Data Filename	GCMS STD MIX 2023_March_22_155732
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-22-23-STDS
IRD Method	IRD3 EXT
GC Method	SL120TO270.M
GC Vial	6
Sample Name	GCMS STD Mix
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Wed Mar 22 16:11:24 2023
Date Processed	Mon Apr 03 10:26:50 2023



IRDATA.SPC: 5.80 minutes: AVE (5.72: 5.84) Ref. (5.13: 5.61) of GCMS STD MIX 2023_March_22_155732.cgm

HYDROCODONE EXT.spc: HYDROCODONE EXT CERILLIANT LOT #FE04241902 1MG/ML MEOH 2021_May_03_162446\irdata.cgm

Method Information

Method: C:\Users\P...cuments\ChemStation\1\Methods\SL200TO270
(20MIN).M
Modified: 3/7/2023 at 3:49:56 PM

SPLITLESS AUTOSAMPLE 200 TO 270C, HOLD FOR 1 MIN @200C, RAMP @70C PER
MIN TO 270C. 20 MINUTE METHOD.

Method Audit Trail

Operator : SYSTEM
Date : 2/6/2020 4:03:46 PM
Change Info: This method was created at 2/6/2020 4:03:46 PM and based on
method
'C:\USERS\PUBLIC\DOCUMENTS\CHEMSTATION\1\METHODS\200TO270
(20MIN).M'

Operator : SYSTEM
Date : 2/6/2020 4:03:47 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/6/2020 4:04:34 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/19/2020 10:10:40 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 10/6/2020 1:00:46 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/16/2023 11:04:56 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 3/7/2023 3:49:56 PM
Change Info: Method saved. User comment: ""

Run Time Checklist

Pre-Run Cmd/Macro: off

Data Acquisition: on

Standard Data Analysis: on

Modify Custom Fields: off
Customized Data Analysis: off
Save GLP Data: off
Post-Run Cmd/Macro: off
Save Method with Data: off

Injection Source and Location

Injection Source: GC Injector
Injection Location: Front

=====

Agilent 8890

=====

Module Type: GC
Module Name: Agilent 8890

GC

GC Summary

Run Time	20 min
Post Run Time	0 min

Oven

Temperature	
Setpoint	On
(Initial)	200 °C
Hold Time	1 min
Post Run	120 °C
Program	
#1 Rate	70 °C/min
#1 Value	270 °C
#1 Hold Time	18 min

Equilibration Time	1 min
Max Temperature	325 °C
Maximum Temperature Override	Disabled
Slow Fan	Disabled

ALS

Front Injector	
Syringe Size	10 µL
Injection Volume	1 µL
Solvent A Washes (PreInj)	3
Solvent A Washes (PostInj)	0
Solvent A Volume	8 µL
Solvent B Washes (PreInj)	3
Solvent B Washes (PostInj)	0

Solvent B Volume	8 µL
Sample Washes	1
Sample Wash Volume	8 µL
Sample Pumps	3
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	3000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	3000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Solvent Wash Mode	A, B
Sample Overlap	
Mode	Sample overlap is not enabled
Front SS Inlet He	
Mode	Splitless
Heater	On 250 °C
Pressure	On 12.775 psi
Total Flow	On 21 mL/min
Septum Purge Flow	On 3 mL/min
Septum Purge Flow Mode	Standard
Pre-Run Flow Test	Off
Gas Saver	On 15 mL/min after 2 min
Purge Flow to Split Vent	15 mL/min at 0.75 min
Liner	A Liner has not been selected.
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	3 mL/min
Post Run	2 mL/min
Temperature Range	-60 °C–325 °C (325 °C)
Dimensions	15 m x 320 µm x 1 µm
(Uncalibrated)	
Column lock	Unlocked
In	Front SS Inlet He
Out	Other
(Initial)	200 °C
Pressure	12.775 psi
Flow	3 mL/min
Average Velocity	67.57 cm/sec
Holdup Time	0.36999 min
Control Mode	Constant Flow
Column Outlet Pressure	0 psi
Detector Evaluation	
Perform Detector Evaluation Test	Off

Signal Selected	Signal #1: Diagnostics: Test
Plot {50 Hz}	
Checkout Sample	None

Signals	
Signal #1: Test Plot	
Description	Test Plot
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Front Sample

Signal #2:	
Description	None

Signal #3:	
Description	None

Signal #4:	
Description	None

Signal #5:	
Description	None

Signal #6:	
Description	None

Signal #7:	
Description	None

Signal #8:	
Description	None

The Data Analysis Parameters of the used Method are :

=====
Integration Events
=====

Non signal specific Integration Events

Event	Value
----- -----	
Tangent Skim Mode	New Exponential

Tail Peak Skim Height Ratio	5.000
Front Peak Skim Height Ratio	5.000
Skim Valley Ratio	20.000
Baseline Correction	Advanced
Peak to Valley Ratio	500.000

Default Integration Event Table "Event"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_FID"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_NPD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_FPD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_uECD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Solvent Peak Slope 0.000 0.000

Detector Default Integration Event Table "Event_GC"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Apply Method's Manual Integration Events: No

Specify Report

Calculate: Area Percent
Do not use Multiplier & Dilution Factor with ISTDs

Use Sample Data from Data File
Report mode: Classic
Destination: File (Prefix: Report)
Destination File Types: No destination file types selected
Quantitative Results sorted by: Signal
Report Style: (None)
Sample info on each page: No
Add Chromatogram Output: No
Uncalibrated Peaks: Do Not Report

Signal Options

Include: Axes, Retention Times, Baselines, Tick Marks
Font: Arial, Size: 8

Ranges: Full
Multi Chromatograms: Separated, Each in full Scale

Calibration Table

General Calibration Setting

Calib. Data Modified :
Signals calculated separately : No

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Signal Details

Overview Table

No Entries in table

Identification Details Table

No Entries in table

Peak Sum Table

No Entries in table

Component Details Table

No Entries in table

=====

Custom Field	Type	Mand.	Default Value
None defined			

=====

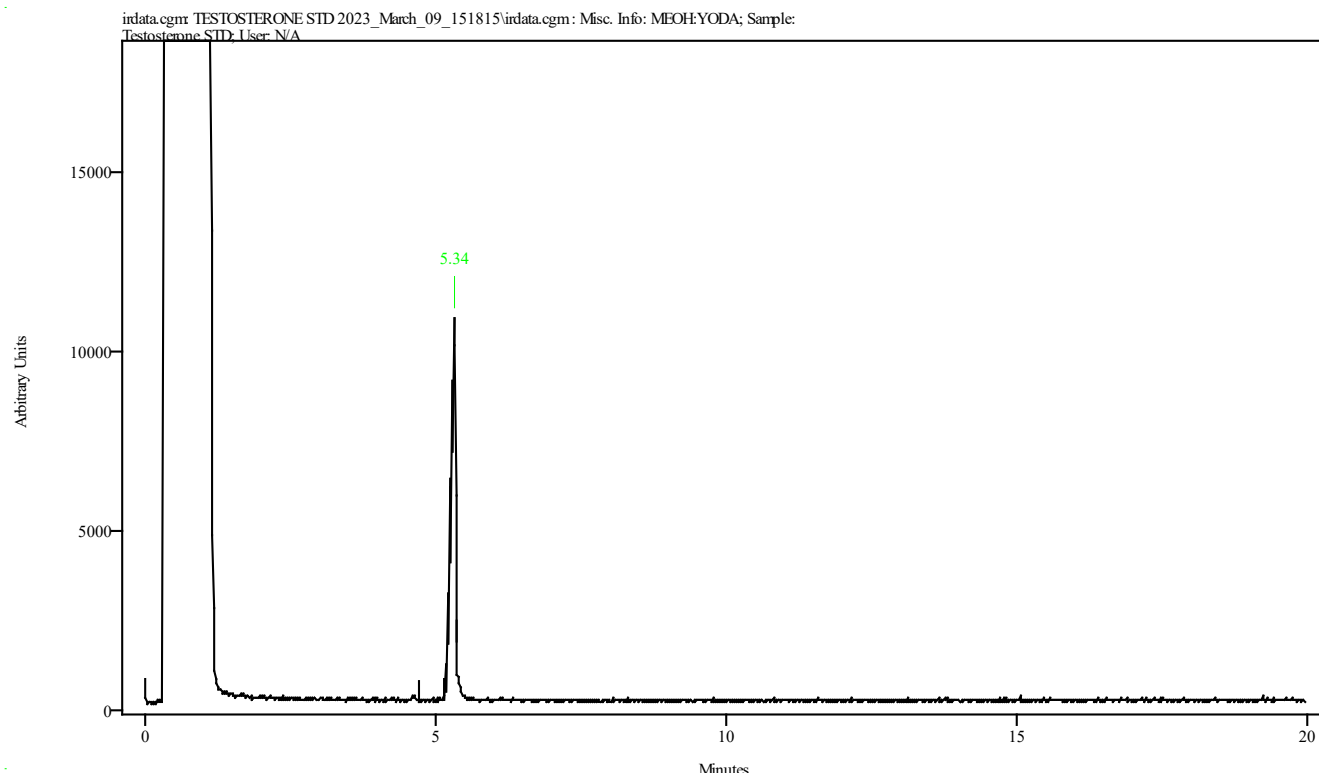
=====

Custom Field	Type	Mand.	Default Value
None defined			

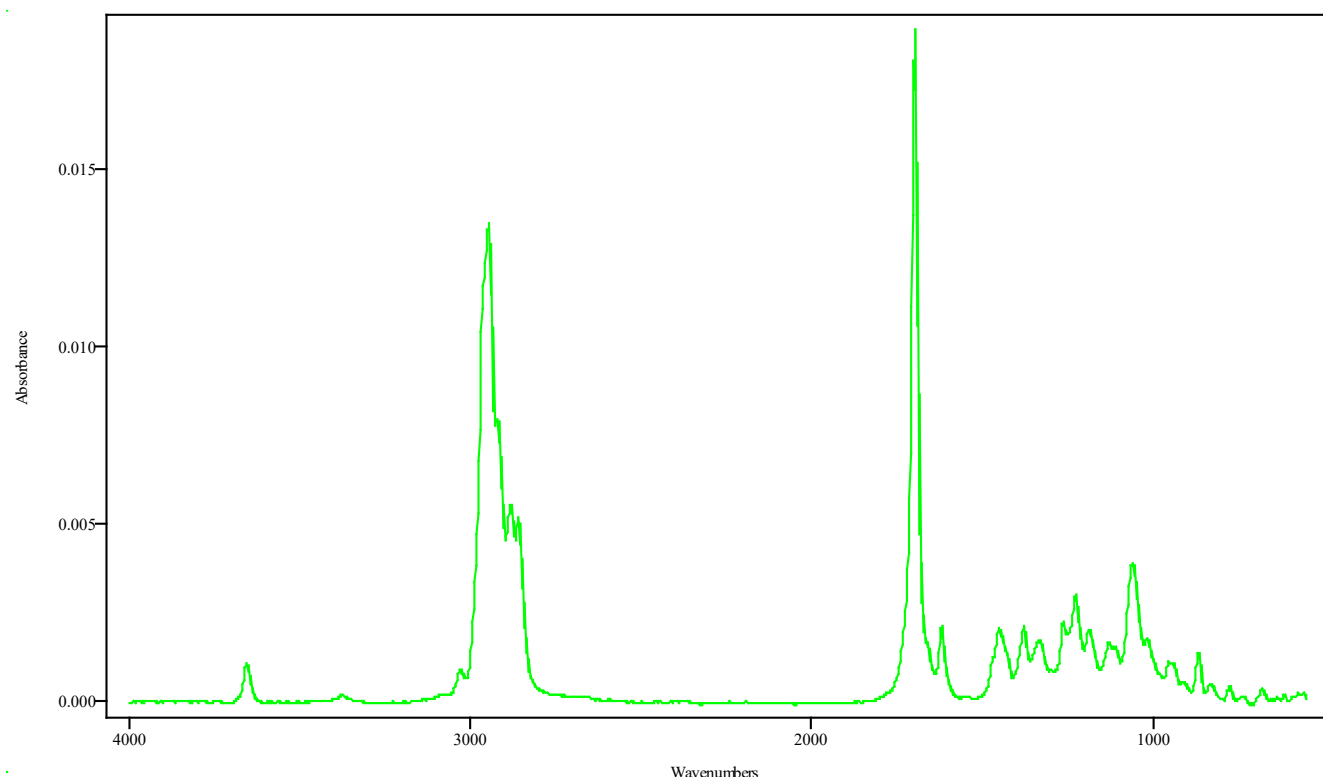
=====

IRD Data Analysis Report

Data Filename	TESTOSTERONE STD 2023_March_09_151815
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-9-23-1
IRD Method	IRD3 EXT
GC Method	SL200TO270(20MIN).M
GC Vial	9
Sample Name	Testosterone STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Thu Mar 09 15:41:45 2023
Date Processed	Tue Mar 21 12:45:18 2023



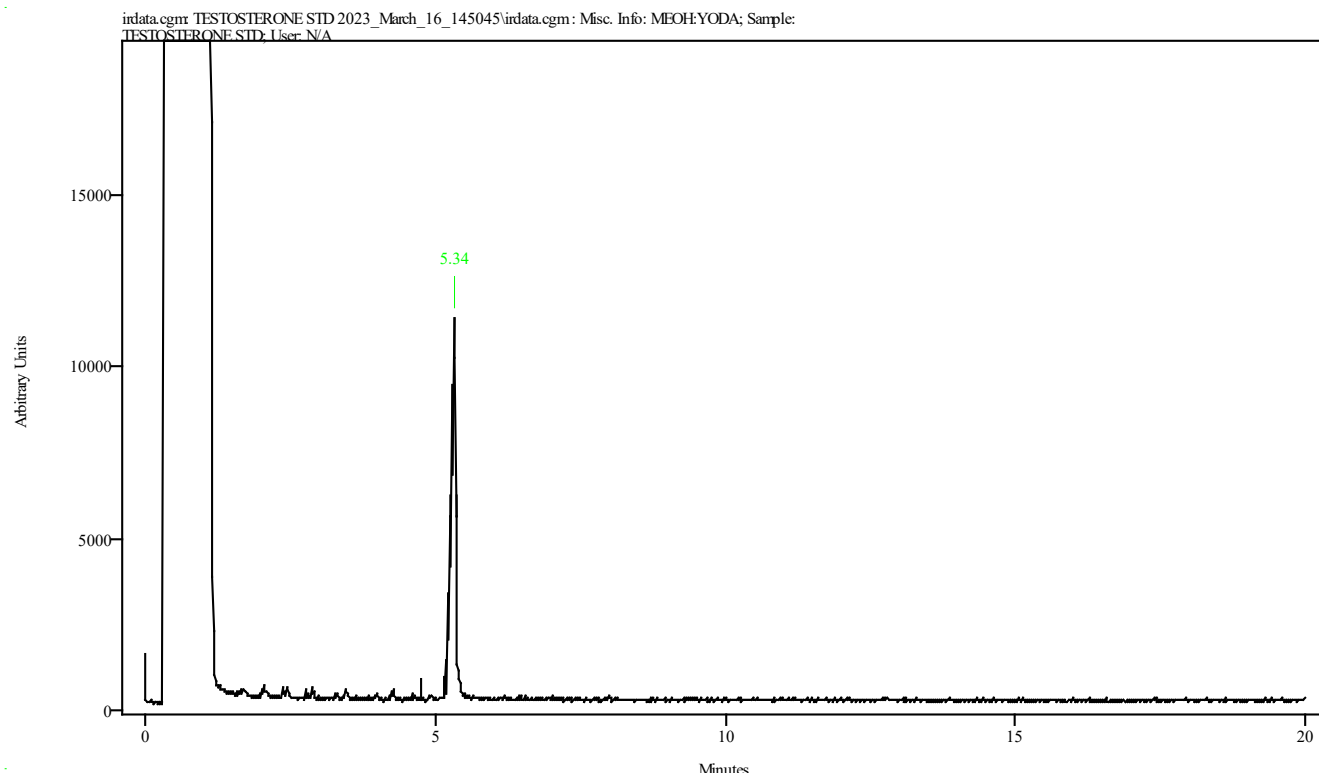
Peak Start	Peak End	Peak Width	Reference Start	Reference End
5.271	5.369	0.098	4.714	5.150



IRDATA.SPC: 5.34 minutes: AVE (5.27: 5.37) Ref. (4.71: 5.15) of TESTOSTERONE STD
2023_March_09_151815.cgm

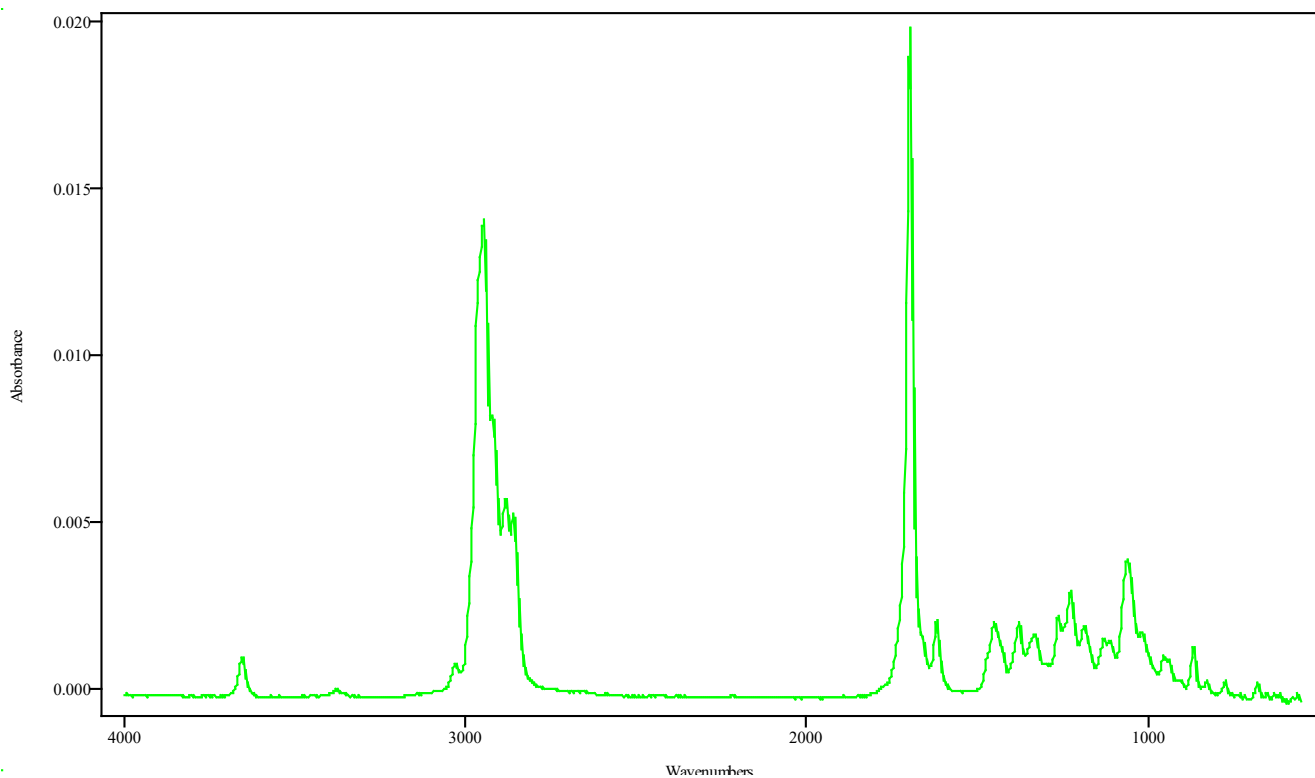
IRD Data Analysis Report

Data Filename	TESTOSTERONE STD 2023_March_16_145045
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-16-23-1
IRD Method	IRD3 EXT
GC Method	SL200TO270(20MIN).M
GC Vial	9
Sample Name	TESTOSTERONE STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Thu Mar 16 15:14:17 2023
Date Processed	Tue Mar 21 12:48:32 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
5.276	5.363	0.088	4.750	5.144

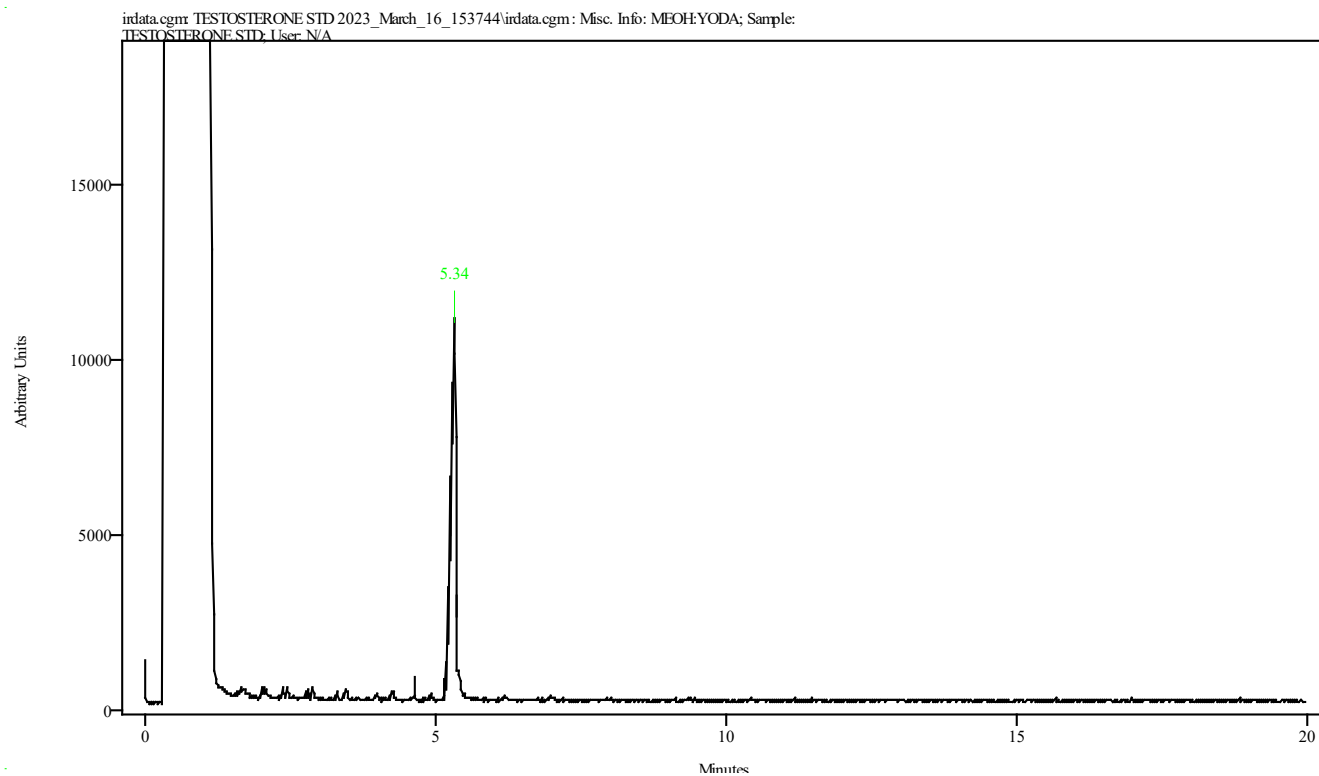
Data Filename	TESTOSTERONE STD 2023_March_16_145045
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-16-23-1
IRD Method	IRD3 EXT
GC Method	SL200TO270(20MIN).M
GC Vial	9
Sample Name	TESTOSTERONE STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Thu Mar 16 15:14:17 2023
Date Processed	Tue Mar 21 12:48:32 2023



IRDATA.SPC: 5.34 minutes: AVE (5.28: 5.36) Ref. (4.75: 5.14) of TESTOSTERONE STD
2023_March_16_145045.cgm

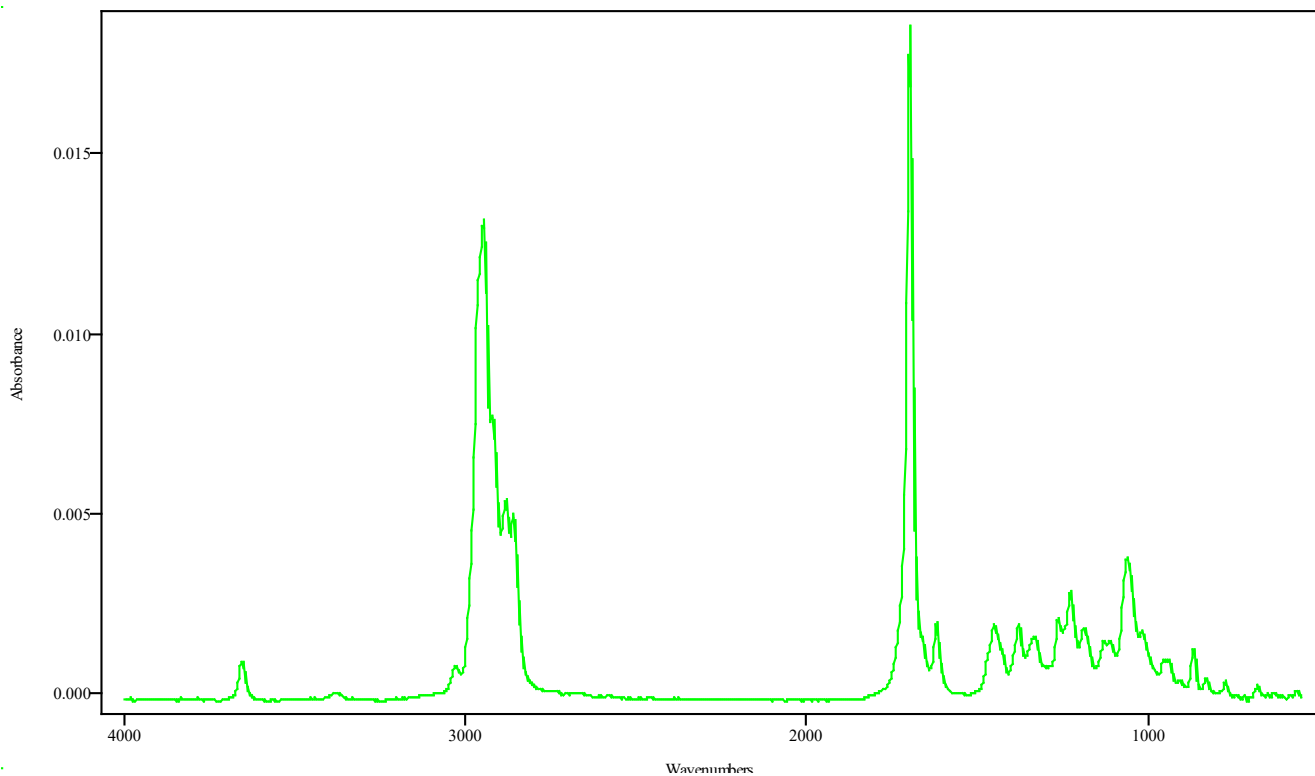
IRD Data Analysis Report

Data Filename	TESTOSTERONE STD 2023_March_16_153744
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-16-23-1
IRD Method	IRD3 EXT
GC Method	SL200TO270(20MIN).M
GC Vial	9
Sample Name	TESTOSTERONE STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Thu Mar 16 16:01:14 2023
Date Processed	Tue Mar 21 12:49:33 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
5.259	5.368	0.109	4.659	5.139

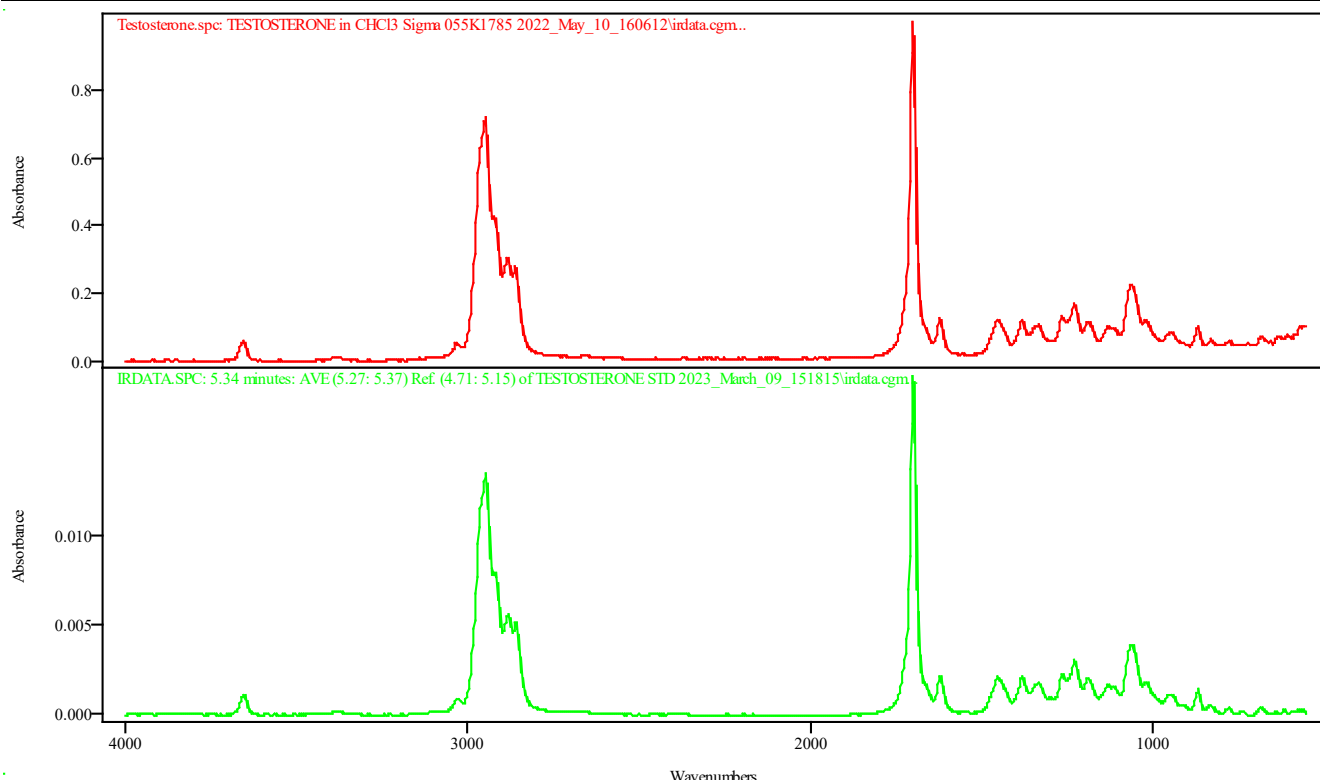
Data Filename	TESTOSTERONE STD 2023_March_16_153744
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-16-23-1
IRD Method	IRD3 EXT
GC Method	SL200TO270(20MIN).M
GC Vial	9
Sample Name	TESTOSTERONE STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Thu Mar 16 16:01:14 2023
Date Processed	Tue Mar 21 12:49:33 2023



IRDATA.SPC: 5.34 minutes: AVE (5.26: 5.37) Ref. (4.66: 5.14) of TESTOSTERONE STD
2023_March_16_153744.cgm

IRD Data Analysis Report

Data Filename	TESTOSTERONE STD 2023_March_09_151815
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-9-23-1
IRD Method	IRD3 EXT
GC Method	SL200TO270(20MIN).M
GC Vial	9
Sample Name	Testosterone STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Thu Mar 09 15:41:45 2023
Date Processed	Mon Apr 03 11:17:30 2023



IRDATA.SPC: 5.34 minutes: AVE (5.27: 5.37) Ref. (4.71: 5.15) of TESTOSTERONE STD
2023_March_09_151815.cgm

Testosterone.spc: TESTOSTERONE in CHCl3 Sigma 055K1785 2022_May_10_160612\irdata.cgm

Method Information

Method: C:\Users\Public\Documents\ChemStation\1
\Methods\SL200TO270.M
Modified: 3/7/2023 at 3:50:10 PM

SPLITLESS AUTOSAMPLE 200 TO 270C, HOLD FOR 1 MIN @200C, RAMP @70C PER
MIN TO 270C. 10 MINUTE METHOD.

Method Audit Trail

Operator : SYSTEM
Date : 2/6/2020 4:07:26 PM
Change Info: This method was created at 2/6/2020 4:07:26 PM and based on
method
'C:\Users\Public\Documents\ChemStation\1\Methods\SL200TO270
(30MIN) .
M'

Operator : SYSTEM
Date : 2/6/2020 4:07:27 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/6/2020 4:08:01 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/19/2020 10:10:10 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 10/6/2020 1:01:20 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/16/2023 11:06:16 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 3/7/2023 3:50:10 PM
Change Info: Method saved. User comment: ""

Run Time Checklist

Pre-Run Cmd/Macro: off

Data Acquisition: on

Standard Data Analysis: on

Modify Custom Fields: off
Customized Data Analysis: off
Save GLP Data: off
Post-Run Cmd/Macro: off
Save Method with Data: off

Injection Source and Location

Injection Source: GC Injector
Injection Location: Front

=====

Agilent 8890

=====

Module Type: GC
Module Name: Agilent 8890

GC

GC Summary

Run Time	10 min
Post Run Time	0 min

Oven

Temperature	
Setpoint	On
(Initial)	200 °C
Hold Time	1 min
Post Run	120 °C
Program	
#1 Rate	70 °C/min
#1 Value	270 °C
#1 Hold Time	8 min

Equilibration Time	1 min
Max Temperature	325 °C
Maximum Temperature Override	Disabled
Slow Fan	Disabled

ALS

Front Injector	
Syringe Size	10 µL
Injection Volume	1 µL
Solvent A Washes (PreInj)	3
Solvent A Washes (PostInj)	0
Solvent A Volume	8 µL
Solvent B Washes (PreInj)	3
Solvent B Washes (PostInj)	0

Solvent B Volume	8 µL
Sample Washes	1
Sample Wash Volume	8 µL
Sample Pumps	3
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	3000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	3000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Solvent Wash Mode	A, B
Sample Overlap	
Mode	Sample overlap is not enabled
Front SS Inlet He	
Mode	Splitless
Heater	On 250 °C
Pressure	On 12.775 psi
Total Flow	On 21 mL/min
Septum Purge Flow	On 3 mL/min
Septum Purge Flow Mode	Standard
Pre-Run Flow Test	Off
Gas Saver	On 15 mL/min after 2 min
Purge Flow to Split Vent	15 mL/min at 0.75 min
Liner	A Liner has not been selected.
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	3 mL/min
Post Run	2 mL/min
Temperature Range	-60 °C–325 °C (325 °C)
Dimensions	15 m x 320 µm x 1 µm
(Uncalibrated)	
Column lock	Unlocked
In	Front SS Inlet He
Out	Other
(Initial)	200 °C
Pressure	12.775 psi
Flow	3 mL/min
Average Velocity	67.57 cm/sec
Holdup Time	0.36999 min
Control Mode	Constant Flow
Column Outlet Pressure	0 psi
Detector Evaluation	
Perform Detector Evaluation Test	Off

Signal Selected	Signal #1: Diagnostics: Test
Plot {50 Hz}	
Checkout Sample	None

Signals	
Signal #1: Test Plot	
Description	Test Plot
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Front Sample

Signal #2:	
Description	None

Signal #3:	
Description	None

Signal #4:	
Description	None

Signal #5:	
Description	None

Signal #6:	
Description	None

Signal #7:	
Description	None

Signal #8:	
Description	None

The Data Analysis Parameters of the used Method are :

Integration Events

Non signal specific Integration Events
--

Event	Value
Tangent Skim Mode	New Exponential

Tail Peak Skim Height Ratio	5.000
Front Peak Skim Height Ratio	5.000
Skim Valley Ratio	20.000
Baseline Correction	Advanced
Peak to Valley Ratio	500.000

Default Integration Event Table "Event"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_FID"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_NPD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_FPD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_uECD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Solvent Peak Slope 0.000 0.000

Detector Default Integration Event Table "Event_GC"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Apply Method's Manual Integration Events: No

Specify Report

Calculate: Area Percent
Do not use Multiplier & Dilution Factor with ISTDs

Use Sample Data from Data File
Report mode: Classic
Destination: File (Prefix: Report)
Destination File Types: No destination file types selected
Quantitative Results sorted by: Signal
Report Style: (None)
Sample info on each page: No
Add Chromatogram Output: No
Uncalibrated Peaks: Do Not Report

Signal Options

Include: Axes, Retention Times, Baselines, Tick Marks
Font: Arial, Size: 8

Ranges: Full
Multi Chromatograms: Separated, Each in full Scale

Calibration Table

General Calibration Setting

Calib. Data Modified :
Signals calculated separately : No

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Signal Details

Overview Table

No Entries in table

Identification Details Table

No Entries in table

Peak Sum Table

No Entries in table

Component Details Table

No Entries in table

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Sample related custom fields

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Custom Field	Type	Mand.	Default Value
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None defined

=====

Compound related custom fields

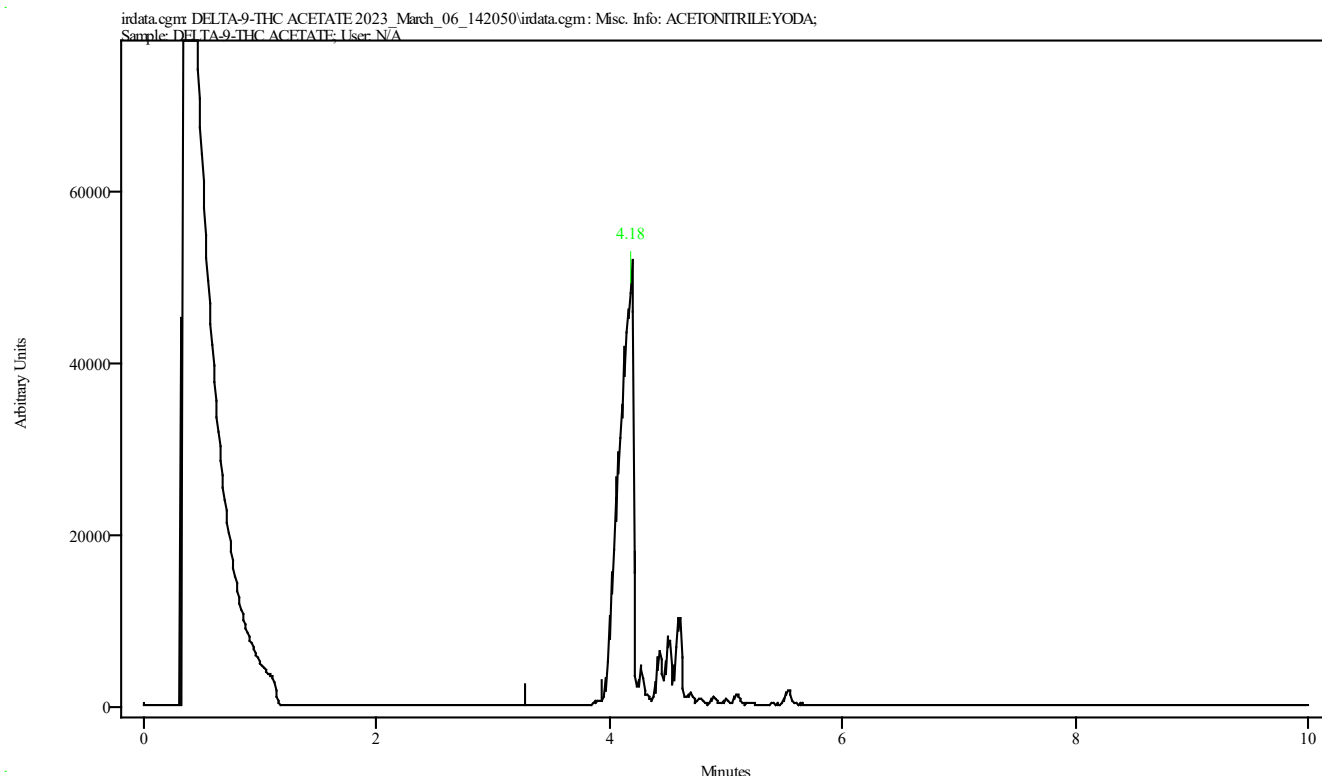
=====

Custom Field	Type	Mand.	Default Value
--------------	------	-------	---------------

None defined

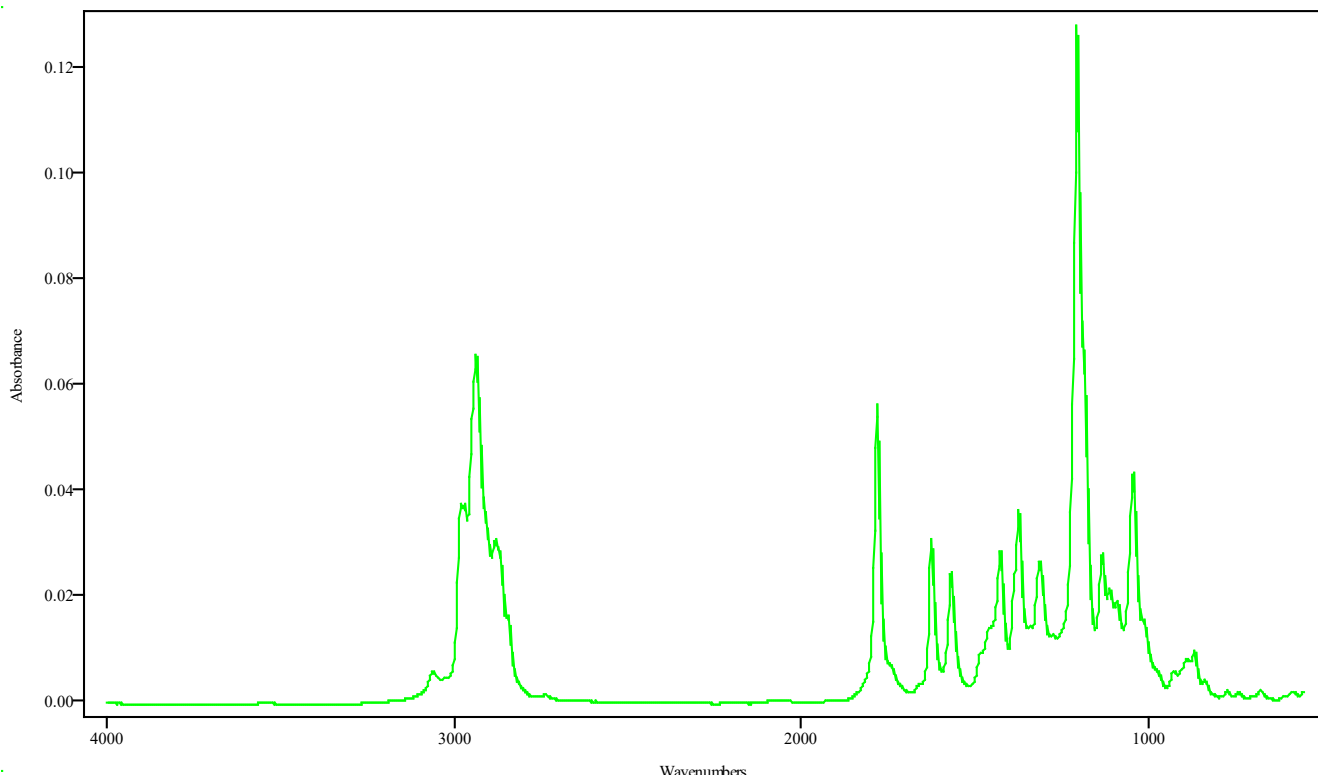
IRD Data Analysis Report

Data Filename	DELTA-9-THC ACETATE 2023_March_06_142050
Data Path	C:/ASAP DATA/YODA 2023/Validation/Splitless Methods 3-6-23-1
IRD Method	IRD3 EXT
GC Method	SL200TO270.M
GC Vial	7
Sample Name	DELTA-9-THC ACETATE
Misc. Info	ACETONITRILE:YODA
User ID	N/A
Injection Time	Mon Mar 06 14:33:48 2023
Date Processed	Wed Mar 22 12:32:30 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
4.059	4.212	0.153	3.274	3.928

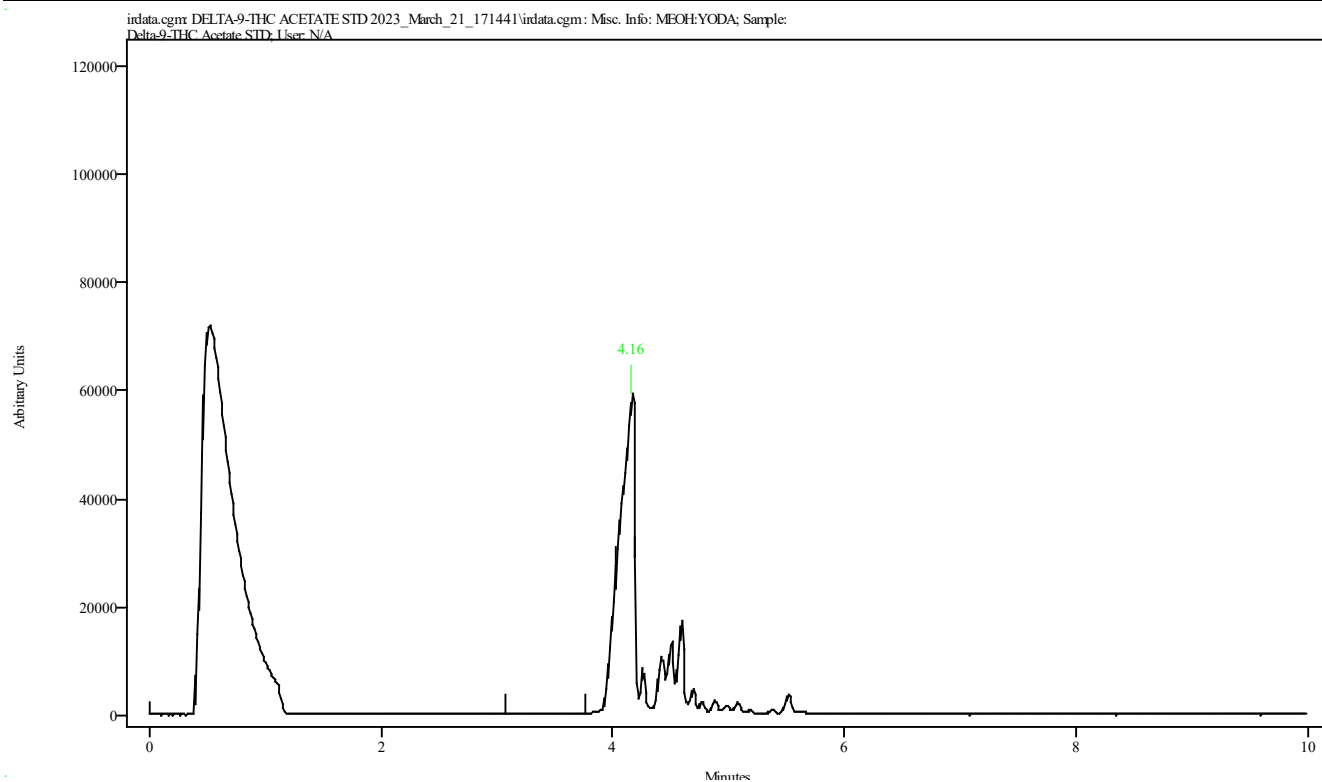
Data Filename	DELTA-9-THC ACETATE 2023_March_06_142050
Data Path	C:/ASAP DATA/YODA 2023/Validation/Splitless Methods 3-6-23-1
IRD Method	IRD3 EXT
GC Method	SL200TO270.M
GC Vial	7
Sample Name	DELTA-9-THC ACETATE
Misc. Info	ACETONITRILE:YODA
User ID	N/A
Injection Time	Mon Mar 06 14:33:48 2023
Date Processed	Wed Mar 22 12:32:30 2023



IRDATA.SPC: 4.18 minutes: AVE (4.06: 4.21) Ref. (3.27: 3.93) of DELTA-9-THC ACETATE
2023_March_06_142050.cgm

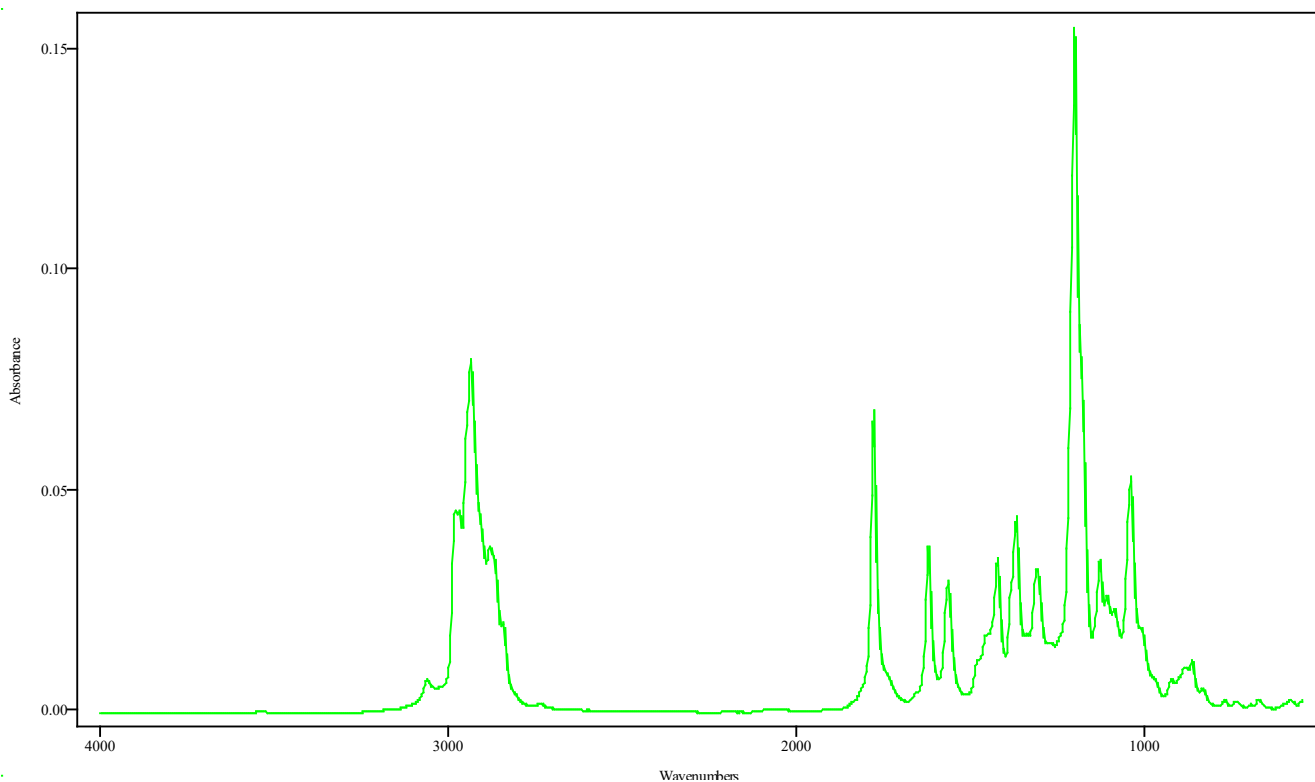
IRD Data Analysis Report

Data Filename	DELTA-9-THC ACETATE STD 2023_March_21_171441
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-21-23-STDs
IRD Method	IRD3 EXT
GC Method	SL200TO270.M
GC Vial	7
Sample Name	Delta-9-THC Acetate STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Mar 21 17:28:09 2023
Date Processed	Wed Mar 22 10:12:28 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
4.032	4.196	0.164	3.070	3.770

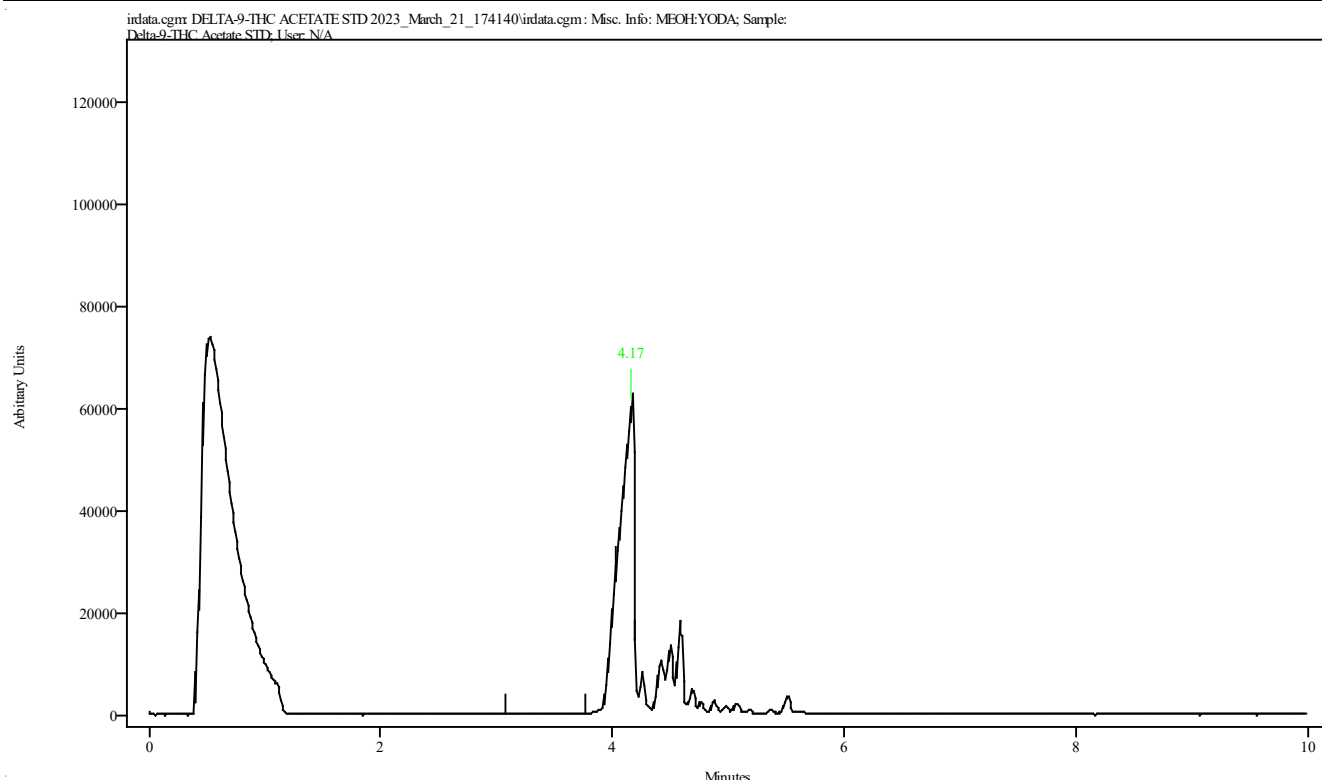
Data Filename	DELTA-9-THC ACETATE STD 2023_March_21_171441
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-21-23-STDs
IRD Method	IRD3 EXT
GC Method	SL200TO270.M
GC Vial	7
Sample Name	Delta-9-THC Acetate STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Mar 21 17:28:09 2023
Date Processed	Wed Mar 22 10:12:28 2023



IRDATA.SPC: 4.16 minutes: AVE (4.03: 4.20) Ref. (3.07: 3.77) of DELTA-9-THC ACETATE STD 2023_March_21_171441.cgm

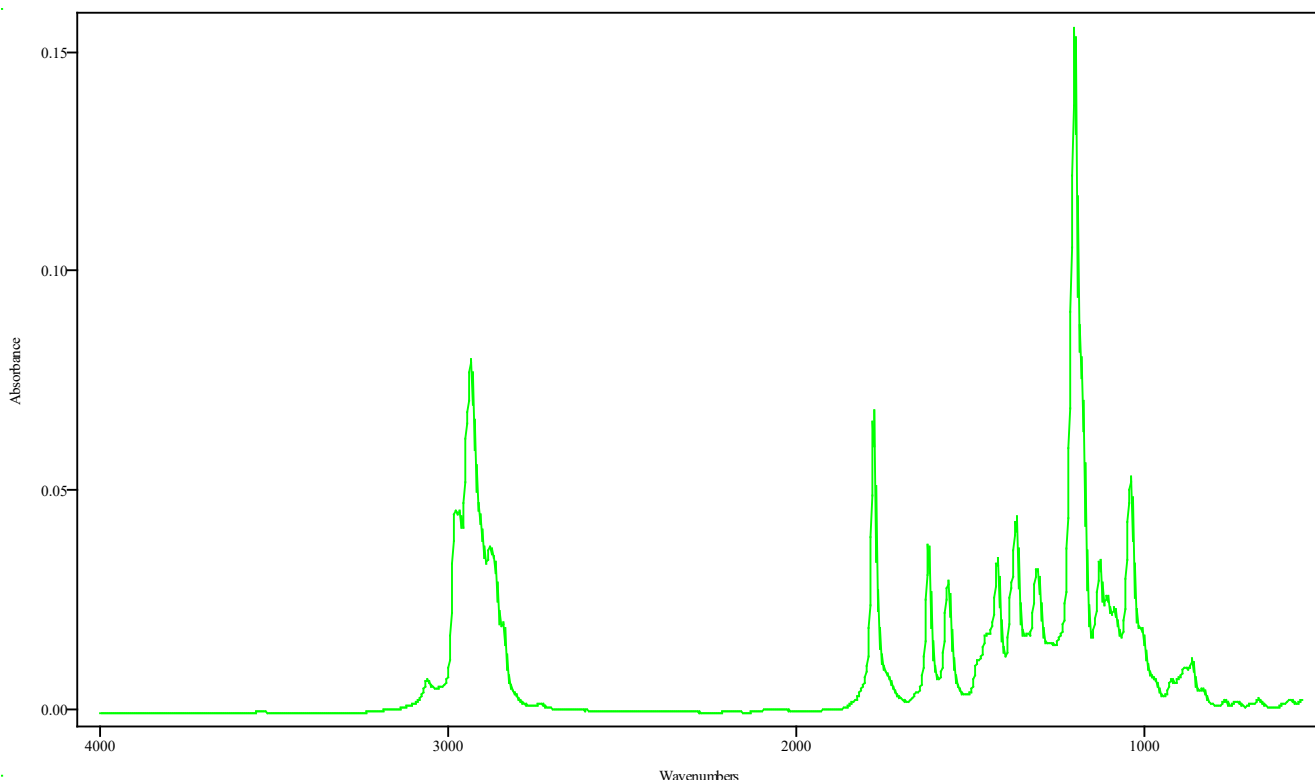
IRD Data Analysis Report

Data Filename	DELTA-9-THC ACETATE STD 2023_March_21_174140
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-21-23-STDs
IRD Method	IRD3 EXT
GC Method	SL200TO270.M
GC Vial	7
Sample Name	Delta-9-THC Acetate STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Mar 21 17:55:06 2023
Date Processed	Wed Mar 22 10:15:02 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
4.035	4.199	0.164	3.073	3.773

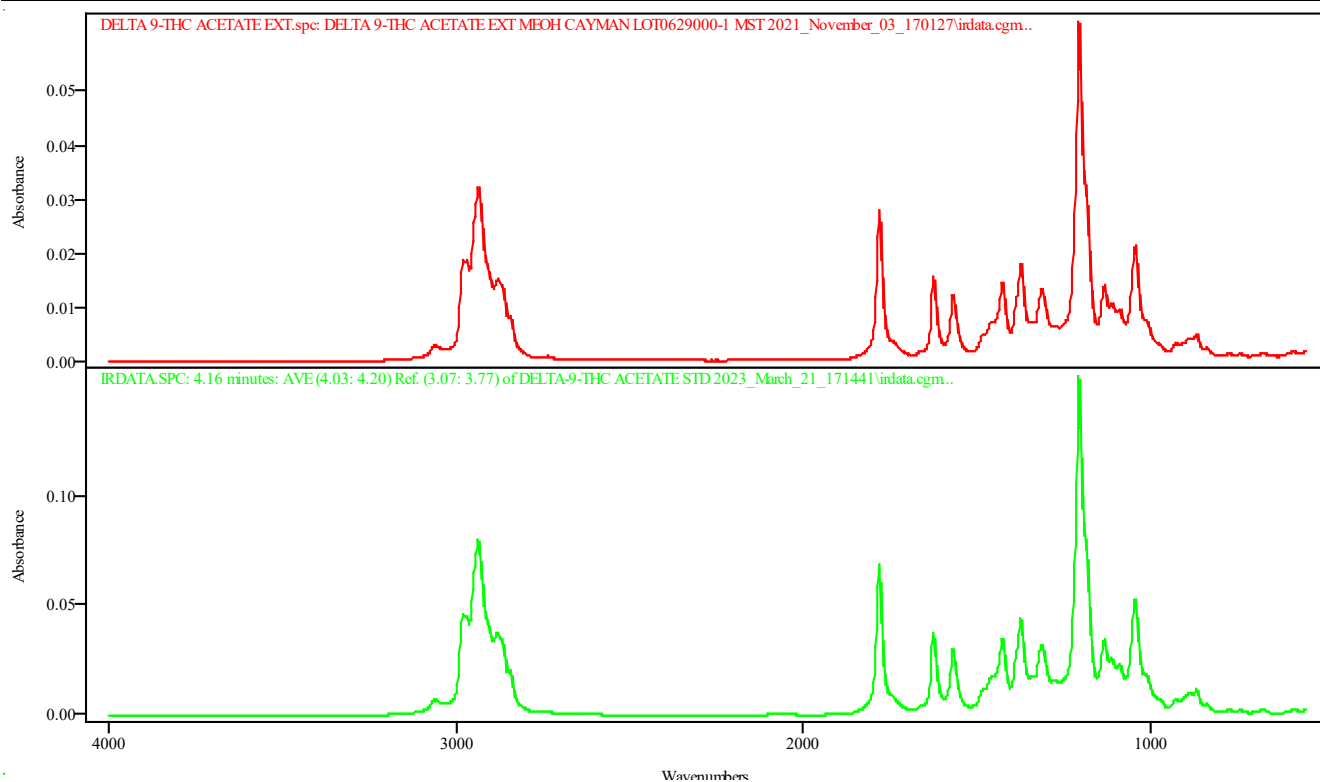
Data Filename	DELTA-9-THC ACETATE STD 2023_March_21_174140
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-21-23-STDs
IRD Method	IRD3 EXT
GC Method	SL200TO270.M
GC Vial	7
Sample Name	Delta-9-THC Acetate STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Mar 21 17:55:06 2023
Date Processed	Wed Mar 22 10:15:02 2023



IRDATA.SPC: 4.17 minutes: AVE (4.04: 4.20) Ref. (3.07: 3.77) of DELTA-9-THC ACETATE STD 2023_March_21_174140.cgm

IRD Data Analysis Report

Data Filename	DELTA-9-THC ACETATE STD 2023_March_21_171441
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-21-23-STDs
IRD Method	IRD3 EXT
GC Method	SL200TO270.M
GC Vial	7
Sample Name	Delta-9-THC Acetate STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Mar 21 17:28:09 2023
Date Processed	Mon Apr 03 11:20:36 2023



IRDATA.SPC: 4.16 minutes: AVE (4.03: 4.20) Ref. (3.07: 3.77) of DELTA-9-THC ACETATE STD 2023_March_21_171441.cgm

DELTA 9-THC ACETATE EXT.spc: DELTA 9-THC ACETATE EXT MEOH CAYMAN LOT0629000-1 MST 2021_November_03_170127\irdata.cgm

Method Information

Method: C:\Users\P...Documents\ChemStation\1\Methods\SLISO270
(20MIN).M
Modified: 2/17/2023 at 3:21:26 PM

SPLITLESS AUTOSAMPLE ISO270C, HOLD FOR 20 MIN @270C, 20 MINUTE METHOD.

Method Audit Trail

Operator : SYSTEM
Date : 2/6/2020 2:57:08 PM
Change Info: This method was created at 2/6/2020 2:57:08 PM and based on
method
'C:\USERS\PUBLIC\DOCUMENTS\CHEMSTATION\1\METHODS\ISO270
(20MIN).M'

Operator : SYSTEM
Date : 2/6/2020 2:57:09 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/6/2020 3:57:30 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/19/2020 10:13:49 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 10/6/2020 1:01:53 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 10/21/2020 3:37:17 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/16/2023 11:09:19 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/17/2023 3:21:26 PM
Change Info: Method saved. User comment: ""

Run Time Checklist

Pre-Run Cmd/Macro: off

Data Acquisition: on

Standard Data Analysis: on

Modify Custom Fields: off

Customized Data Analysis: off

Save GLP Data: off

Post-Run Cmd/Macro: off

Save Method with Data: off

Injection Source and Location

Injection Source: GC Injector

Injection Location: Front

=====

Agilent 8890

=====

Module Type: GC

Module Name: Agilent 8890

GC

GC Summary

Run Time 20 min

Post Run Time 0 min

Oven

Temperature

Setpoint On

(Initial) 270 °C

Hold Time 20 min

Post Run 120 °C

Equilibration Time 1 min

Max Temperature 325 °C

Maximum Temperature Override Disabled

Slow Fan Disabled

ALS

Front Injector

Syringe Size 10 µL

Injection Volume 1 µL

Solvent A Washes (PreInj) 3

Solvent A Washes (PostInj) 0

Solvent A Volume 8 µL

Solvent B Washes (PreInj) 3

Solvent B Washes (PostInj) 0

Solvent B Volume 8 µL

Sample Washes 1

Sample Wash Volume 8 µL

Sample Pumps	3
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	3000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	3000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Solvent Wash Mode	A, B
Sample Overlap	
Mode	Sample overlap is not enabled
Front SS Inlet He	
Mode	Splitless
Heater	On 250 °C
Pressure	On 15.224 psi
Total Flow	On 21 mL/min
Septum Purge Flow	On 3 mL/min
Septum Purge Flow Mode	Standard
Pre-Run Flow Test	Off
Gas Saver	On 15 mL/min after 2 min
Purge Flow to Split Vent	15 mL/min at 0.75 min
Liner	A Liner has not been selected.
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	3 mL/min
Post Run	2 mL/min
Temperature Range	-60 °C–325 °C (325 °C)
Dimensions	15 m x 320 µm x 1 µm
(Uncalibrated)	
Column lock	Unlocked
In	Front SS Inlet He
Out	Other
(Initial)	270 °C
Pressure	15.224 psi
Flow	3 mL/min
Average Velocity	72.73 cm/sec
Holdup Time	0.34374 min
Control Mode	Constant Flow
Column Outlet Pressure	0 psi
Detector Evaluation	
Perform Detector Evaluation Test	Off
Signal Selected	Signal #1: Diagnostics: Test
Plot {50 Hz}	
Checkout Sample	None

Signals	
Signal #1:	Test Plot
Description	Test Plot
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #2:	
Description	None
Signal #3:	
Description	None
Signal #4:	
Description	None
Signal #5:	
Description	None
Signal #6:	
Description	None
Signal #7:	
Description	None
Signal #8:	
Description	None

The Data Analysis Parameters of the used Method are :

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=====
                        Integration Events
=====

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```

-----
                        Non signal specific Integration Events
-----

```

Event	Value
Tangent Skim Mode	New Exponential
Tail Peak Skim Height Ratio	5.000
Front Peak Skim Height Ratio	5.000
Skim Valley Ratio	20.000

Baseline Correction
Peak to Valley Ratio

Advanced
500.000

Default Integration Event Table "Event"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_FID"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_NPD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_FPD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_uECD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_GC"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Apply Method's Manual Integration Events: No

Specify Report

Calculate: Area Percent
Do not use Multiplier & Dilution Factor with ISTDs

Use Sample Data from Data File
Report mode: Classic
Destination: File (Prefix: Report)
Destination File Types: No destination file types selected
Quantitative Results sorted by: Signal
Report Style: (None)
Sample info on each page: No
Add Chromatogram Output: No
Uncalibrated Peaks: Do Not Report

Signal Options

Include: Axes, Retention Times, Baselines, Tick Marks
Font: Arial, Size: 8

Ranges: Full
Multi Chromatograms: Separated, Each in full Scale

Calibration Table

General Calibration Setting

Calib. Data Modified :

Signals calculated separately : No

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Signal Details

Overview Table

No Entries in table

Identification Details Table

No Entries in table

Peak Sum Table

No Entries in table

Component Details Table

No Entries in table

=====

Sample related custom fields			
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=====

Custom Field	Type	Mand.	Default Value
None defined			

=====

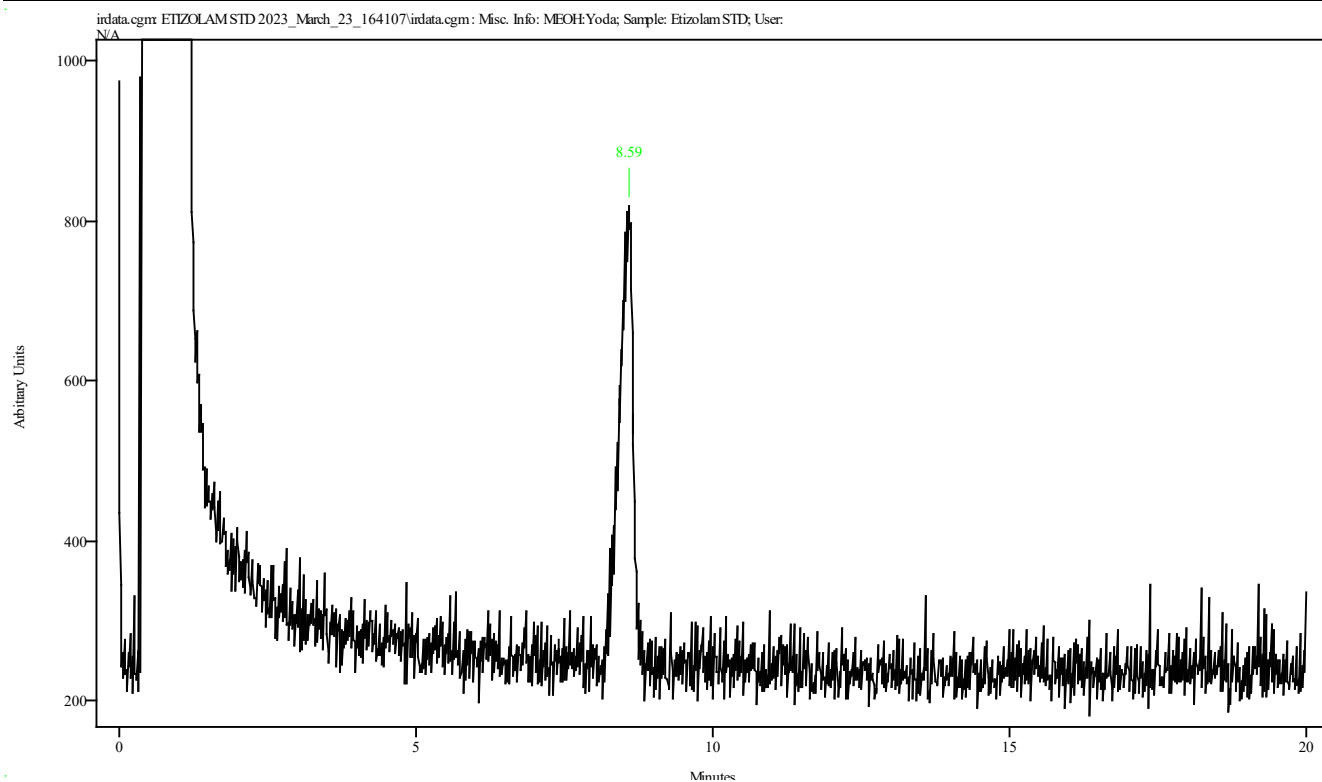
Compound related custom fields			
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Custom Field	Type	Mand.	Default Value
None defined			

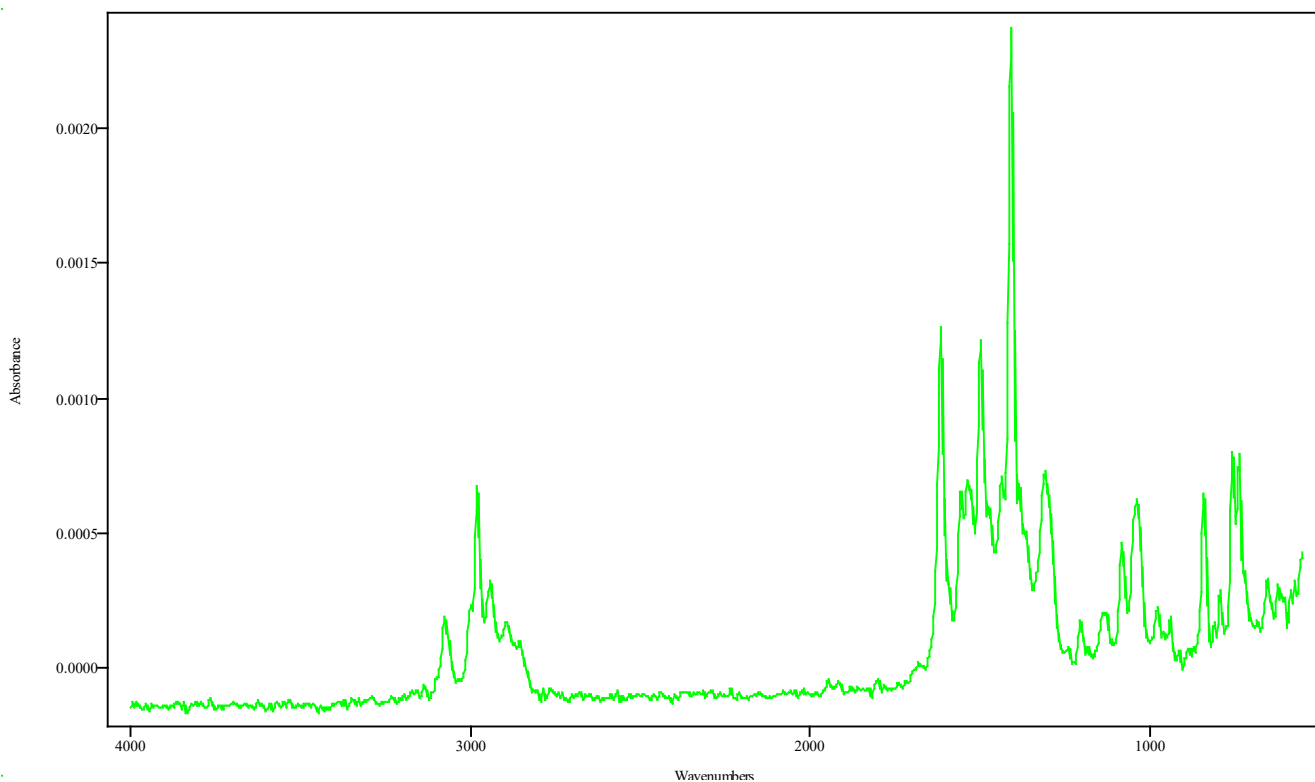
IRD Data Analysis Report

Data Filename	ETIZOLAM STD 2023_March_23_164107
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-23-23- STDs
IRD Method	IRD3 EXT
GC Method	SLISO270(20MIN).M
GC Vial	10
Sample Name	Etizolam STD
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Thu Mar 23 17:03:41 2023
Date Processed	Fri Mar 24 10:07:20 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
8.437	8.655	0.218	7.389	8.306

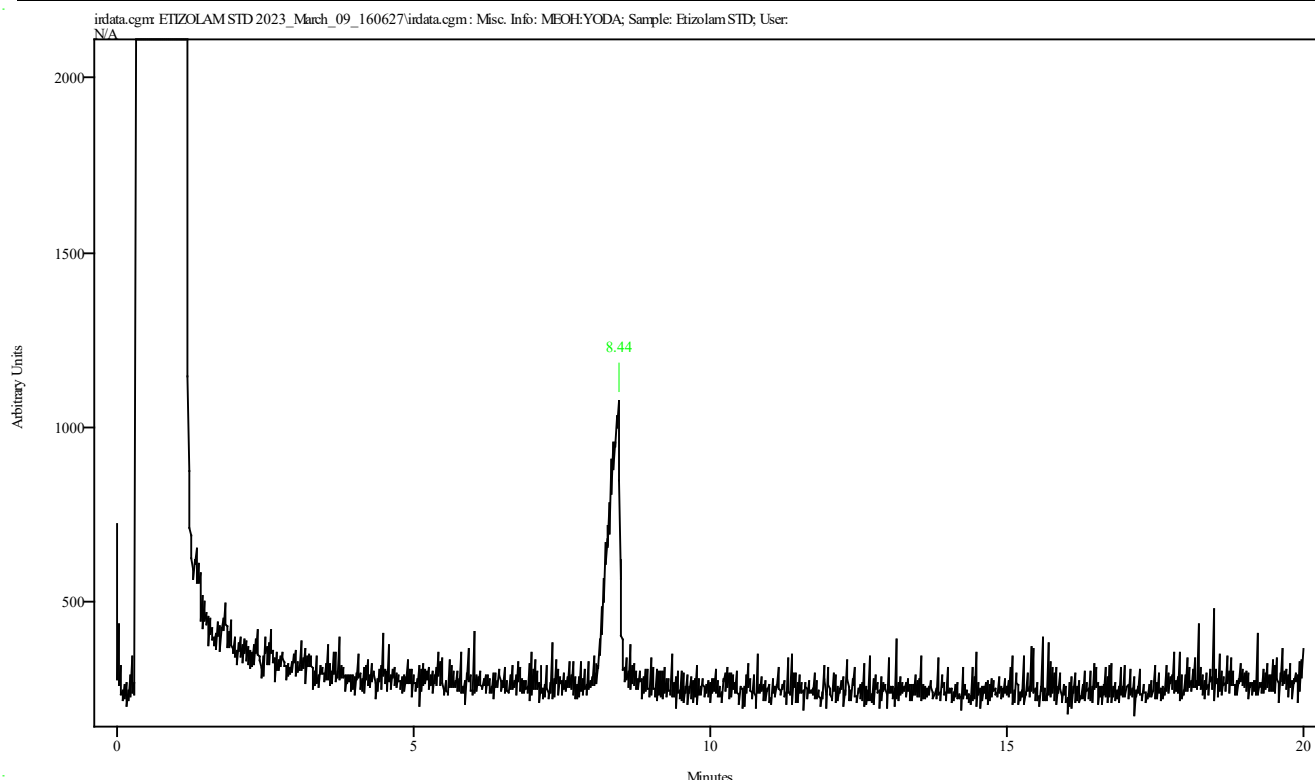
Data Filename	ETIZOLAM STD 2023_March_23_164107
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-23-23- STDs
IRD Method	IRD3 EXT
GC Method	SLISO270(20MIN).M
GC Vial	10
Sample Name	Etizolam STD
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Thu Mar 23 17:03:41 2023
Date Processed	Fri Mar 24 10:07:20 2023



IRDATA.SPC: 8.59 minutes: AVE (8.44: 8.66) Ref. (7.39: 8.31) of ETIZOLAM STD
2023_March_23_164107.cgm

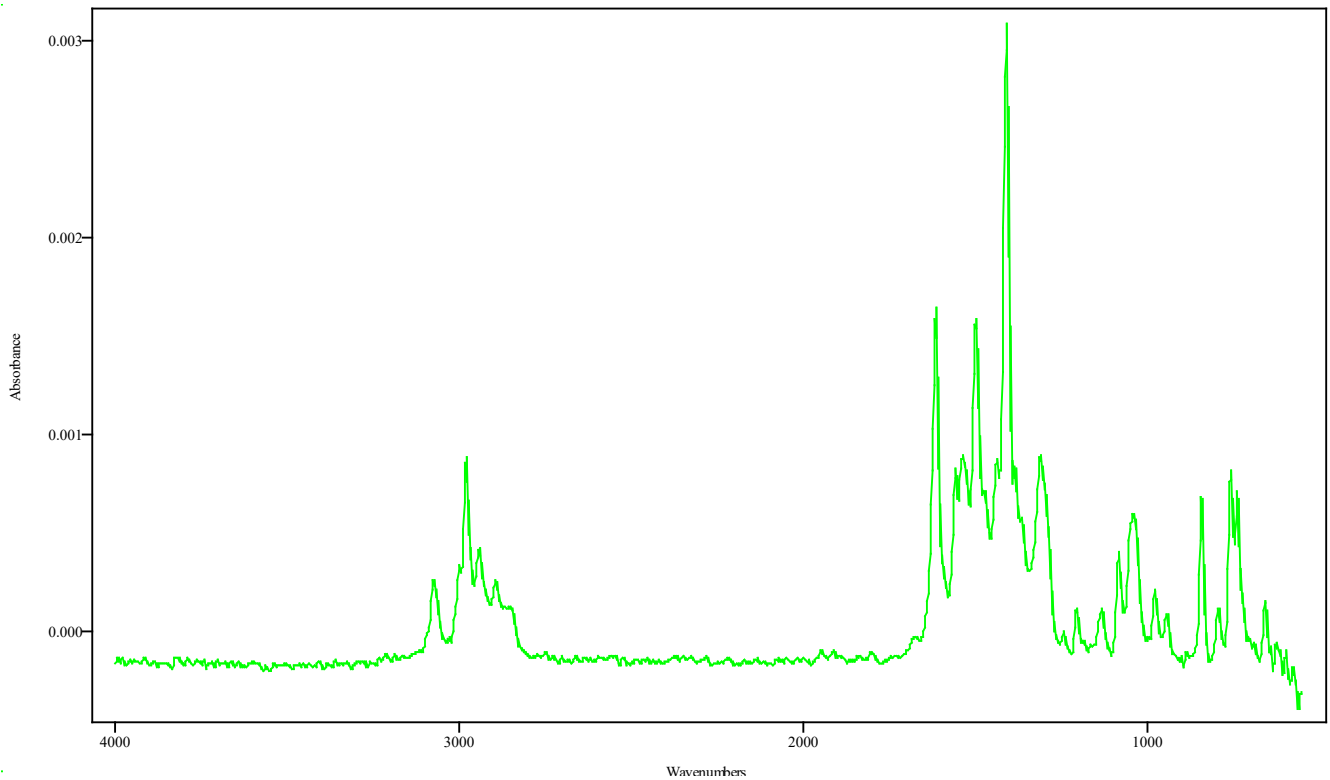
IRD Data Analysis Report

Data Filename	ETIZOLAM STD 2023_March_09_160627
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-9-23-1
IRD Method	IRD3 EXT
GC Method	SLISO270(20MIN).M
GC Vial	10
Sample Name	Etizolam STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Thu Mar 09 16:29:01 2023
Date Processed	Mon Mar 20 09:11:08 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
8.259	8.477	0.219	7.143	8.062

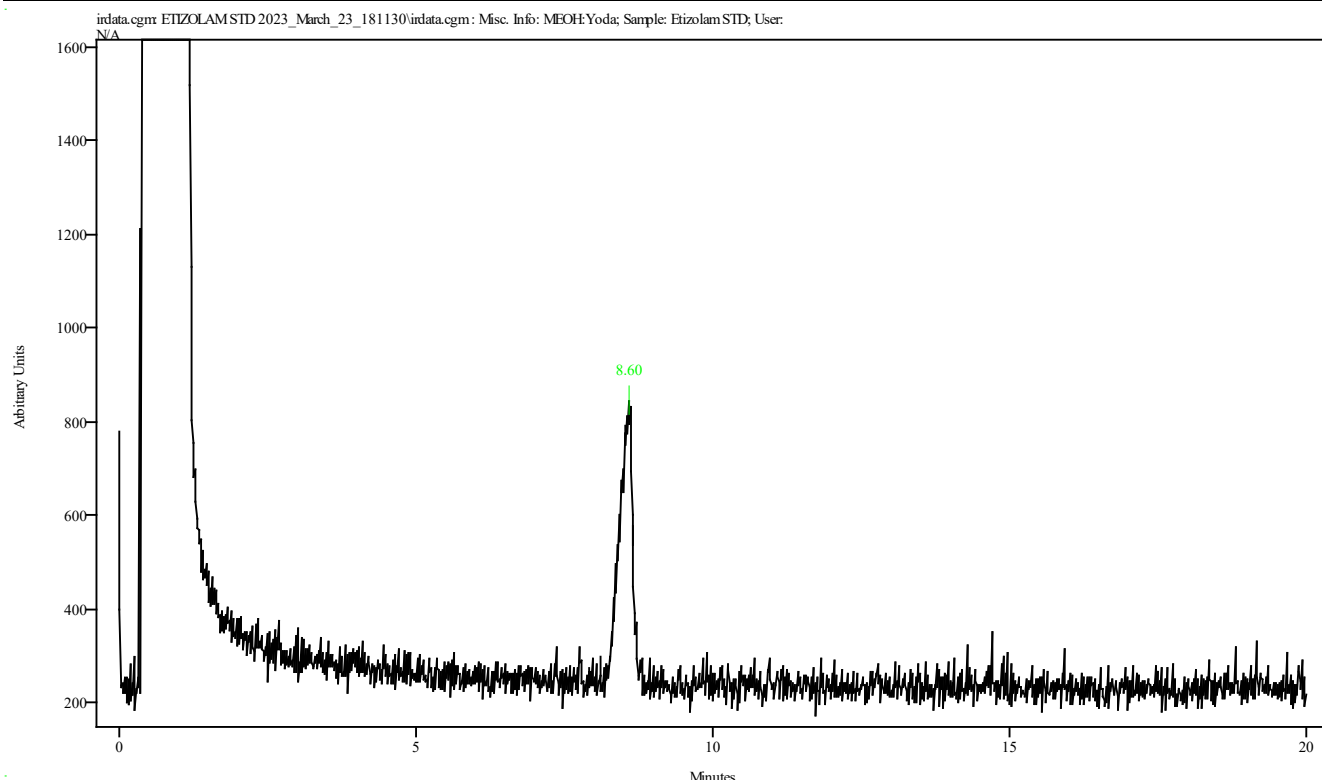
Data Filename	ETIZOLAM STD 2023_March_09_160627
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-9-23-1
IRD Method	IRD3 EXT
GC Method	SLISO270(20MIN).M
GC Vial	10
Sample Name	Etizolam STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Thu Mar 09 16:29:01 2023
Date Processed	Mon Mar 20 09:11:08 2023



IRDATA.SPC: 8.44 minutes: AVE (8.26: 8.48) Ref. (7.14: 8.06) of ETIZOLAM STD
2023_March_09_160627.cgm

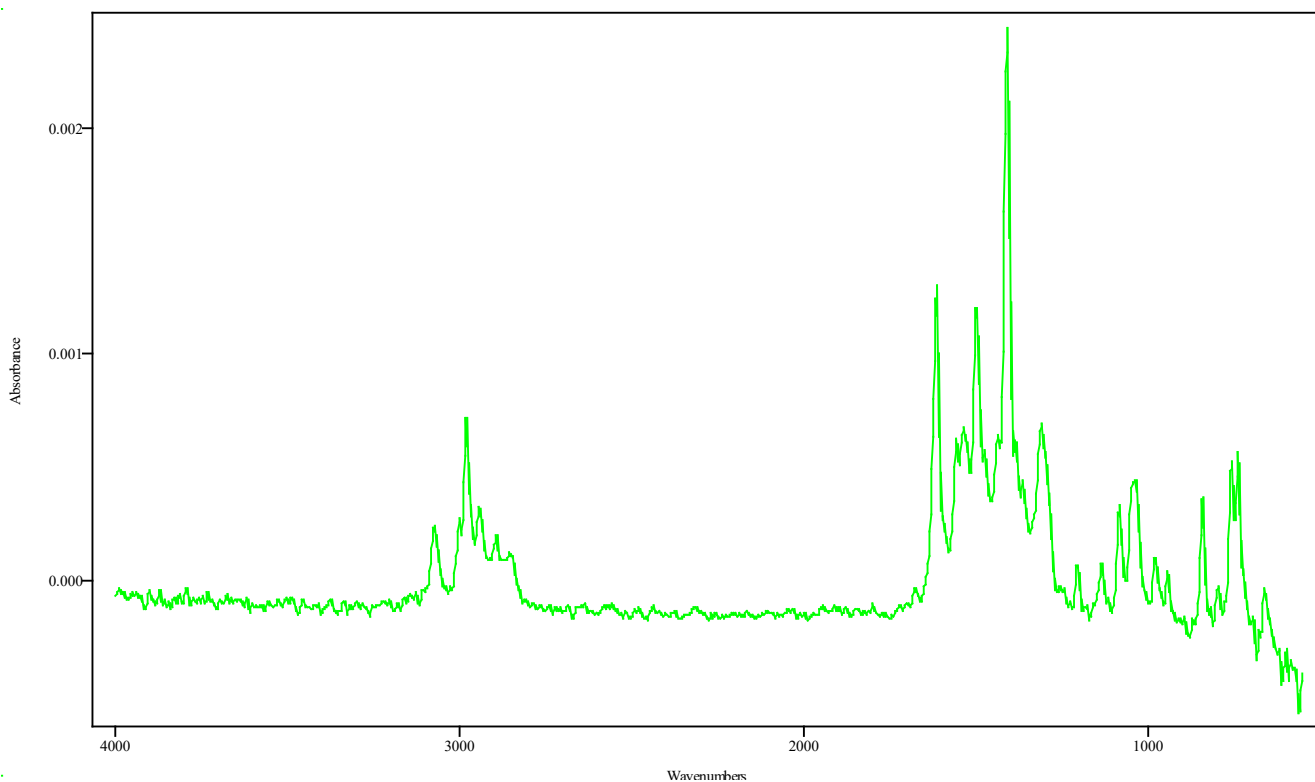
IRD Data Analysis Report

Data Filename	ETIZOLAM STD 2023_March_23_181130
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-23-23- STDs
IRD Method	IRD3 EXT
GC Method	SLISO270(20MIN).M
GC Vial	10
Sample Name	Etizolam STD
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Thu Mar 23 18:34:03 2023
Date Processed	Fri Mar 24 10:12:11 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
8.523	8.654	0.131	7.912	8.115

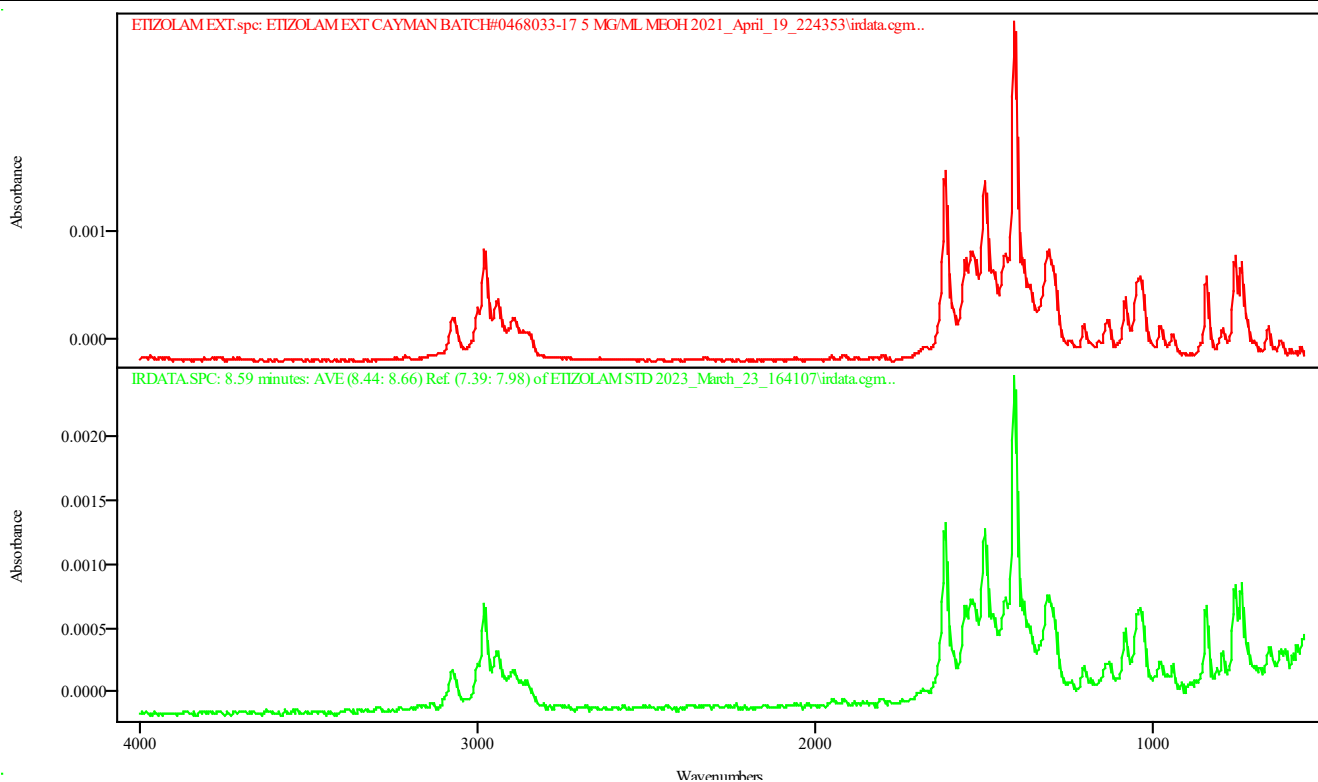
Data Filename	ETIZOLAM STD 2023_March_23_181130
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-23-23- STDs
IRD Method	IRD3 EXT
GC Method	SLISO270(20MIN).M
GC Vial	10
Sample Name	Etizolam STD
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Thu Mar 23 18:34:03 2023
Date Processed	Fri Mar 24 10:12:11 2023



IRDATA.SPC: 8.60 minutes: AVE (8.52: 8.65) Ref. (7.91: 8.12) of ETIZOLAM STD
2023_March_23_181130.cgm

IRD Data Analysis Report

Data Filename	ETIZOLAM STD 2023_March_23_164107
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-23-23- STDs
IRD Method	IRD3 EXT
GC Method	SLISO270(20MIN).M
GC Vial	10
Sample Name	Etizolam STD
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Thu Mar 23 17:03:41 2023
Date Processed	Mon Apr 03 10:05:18 2023



IRDATA.SPC: 8.59 minutes: AVE (8.44: 8.66) Ref. (7.39: 7.98) of ETIZOLAM STD
2023_March_23_164107.cgm

ETIZOLAM EXT.spc: ETIZOLAM EXT CAYMAN BATCH#0468033-17 5 MG/ML MEOH
2021_April_19_224353\irdata.cgm

Method Information

Method: C:\Users\P...Documents\ChemStation\1\Methods\SLISO270
(30MIN).M
Modified: 2/21/2023 at 4:34:32 PM

SPLITLESS AUTOSAMPLE ISO270C, HOLD FOR 30 MIN @270C, 30 MINUTE METHOD.

Method Audit Trail

Operator : SYSTEM
Date : 2/21/2023 4:33:48 PM
Change Info: This method was created at 2/21/2023 4:33:48 PM and based on
method
'C:\Users\Public\Documents\ChemStation\1\Methods\ISO270
(30MIN).M'

Operator : SYSTEM
Date : 2/21/2023 4:33:49 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/21/2023 4:34:32 PM
Change Info: Method saved. User comment: ""

Run Time Checklist

Pre-Run Cmd/Macro: off
Data Acquisition: on
Standard Data Analysis: on
Modify Custom Fields: off
Customized Data Analysis: off
Save GLP Data: off
Post-Run Cmd/Macro: off
Save Method with Data: off

Injection Source and Location

Injection Source: GC Injector

Injection Location: Front

=====

Agilent 8890

=====

Module Type: GC

Module Name: Agilent 8890

GC

GC Summary

Run Time 30 min

Post Run Time 0 min

Oven

Temperature

Setpoint On

(Initial) 270 °C

Hold Time 30 min

Post Run 120 °C

Equilibration Time 1 min

Max Temperature 325 °C

Maximum Temperature Override Disabled

Slow Fan Disabled

ALS

Front Injector

Syringe Size 10 µL

Injection Volume 1 µL

Solvent A Washes (PreInj) 3

Solvent A Washes (PostInj) 0

Solvent A Volume 8 µL

Solvent B Washes (PreInj) 3

Solvent B Washes (PostInj) 0

Solvent B Volume 8 µL

Sample Washes 1

Sample Wash Volume 8 µL

Sample Pumps 3

Dwell Time (PreInj) 0 min

Dwell Time (PostInj) 0 min

Solvent Wash Draw Speed 300 µL/min

Solvent Wash Dispense Speed 3000 µL/min

Sample Wash Draw Speed 300 µL/min

Sample Wash Dispense Speed 3000 µL/min

Injection Dispense Speed 6000 µL/min

Viscosity Delay 0 sec

Sample Depth Disabled

Injection Type Standard

L1 Airgap 0.2 µL

Solvent Wash Mode A, B

Sample Overlap

Mode Sample overlap is not enabled

Front SS Inlet He

Mode Splitless

Heater	On	250 °C
Pressure	On	15.224 psi
Total Flow	On	21 mL/min
Septum Purge Flow	On	3 mL/min
Septum Purge Flow Mode		Standard
Pre-Run Flow Test		Off
Gas Saver	On	15 mL/min after 2 min
Purge Flow to Split Vent		15 mL/min at 0.75 min
Liner		A Liner has not been selected.
Column		
Column #1		
Flow		
Setpoint	On	
(Initial)		3 mL/min
Post Run		2 mL/min
Temperature Range		-60 °C-325 °C (325 °C)
Dimensions		15 m x 320 µm x 1 µm
(Uncalibrated)		
Column lock		Unlocked
In		Front SS Inlet He
Out		Other
(Initial)		270 °C
Pressure		15.224 psi
Flow		3 mL/min
Average Velocity		72.73 cm/sec
Holdup Time		0.34374 min
Control Mode		Constant Flow
Column Outlet Pressure		0 psi
Detector Evaluation		
Perform Detector Evaluation Test	Off	
Signal Selected		No Signal Selected
Checkout Sample		None
Signals		
Signal #1: Test Plot		
Description		Test Plot
Save	On	
Data Rate		50 Hz
Dual Injection Assignment		Front Sample
Signal #2:		
Description		None
Signal #3:		
Description		None
Signal #4:		
Description		None
Signal #5:		
Description		None
Signal #6:		

Description	None
Signal #7: Description	None
Signal #8: Description	None

The Data Analysis Parameters of the used Method are :

```
=====
                        Integration Events
=====
```

```
-----
                        Non signal specific Integration Events
-----
```

Event	Value
Tangent Skim Mode	New Exponential
Tail Peak Skim Height Ratio	5.000
Front Peak Skim Height Ratio	5.000
Skim Valley Ratio	20.000
Baseline Correction	Advanced
Peak to Valley Ratio	500.000

```
-----
                        Default Integration Event Table "Event"
-----
```

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

```
-----
                        Detector Default Integration Event Table "Event_ADC"
-----
```

Event	Value	Time
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Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_FID"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_NPD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial

Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

 Detector Default Integration Event Table "Event_FPD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

 Detector Default Integration Event Table "Event_uECD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

 Detector Default Integration Event Table "Event_GC"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Apply Method's Manual Integration Events: No

=====
 Specify Report

=====

Calculate: Area Percent
Do not use Multiplier & Dilution Factor with ISTDs

Use Sample Data from Data File
Report mode: Classic
Destination: File (Prefix: Report)
Destination File Types: No destination file types selected
Quantitative Results sorted by: Signal
Report Style: (None)
Sample info on each page: No
Add Chromatogram Output: No
Uncalibrated Peaks: Do Not Report

=====

Signal Options

=====

Include: Axes, Retention Times, Baselines, Tick Marks
Font: Arial, Size: 8

Ranges: Full
Multi Chromatograms: Separated, Each in full Scale

=====

Calibration Table

=====

General Calibration Setting

Calib. Data Modified :
Signals calculated separately : No

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:

Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Signal Details

Overview Table

No Entries in table

Identification Details Table

No Entries in table

Peak Sum Table

No Entries in table

Component Details Table

No Entries in table

=====
Sample related custom fields
=====

Custom Field	Type	Mand.	Default Value
None defined			

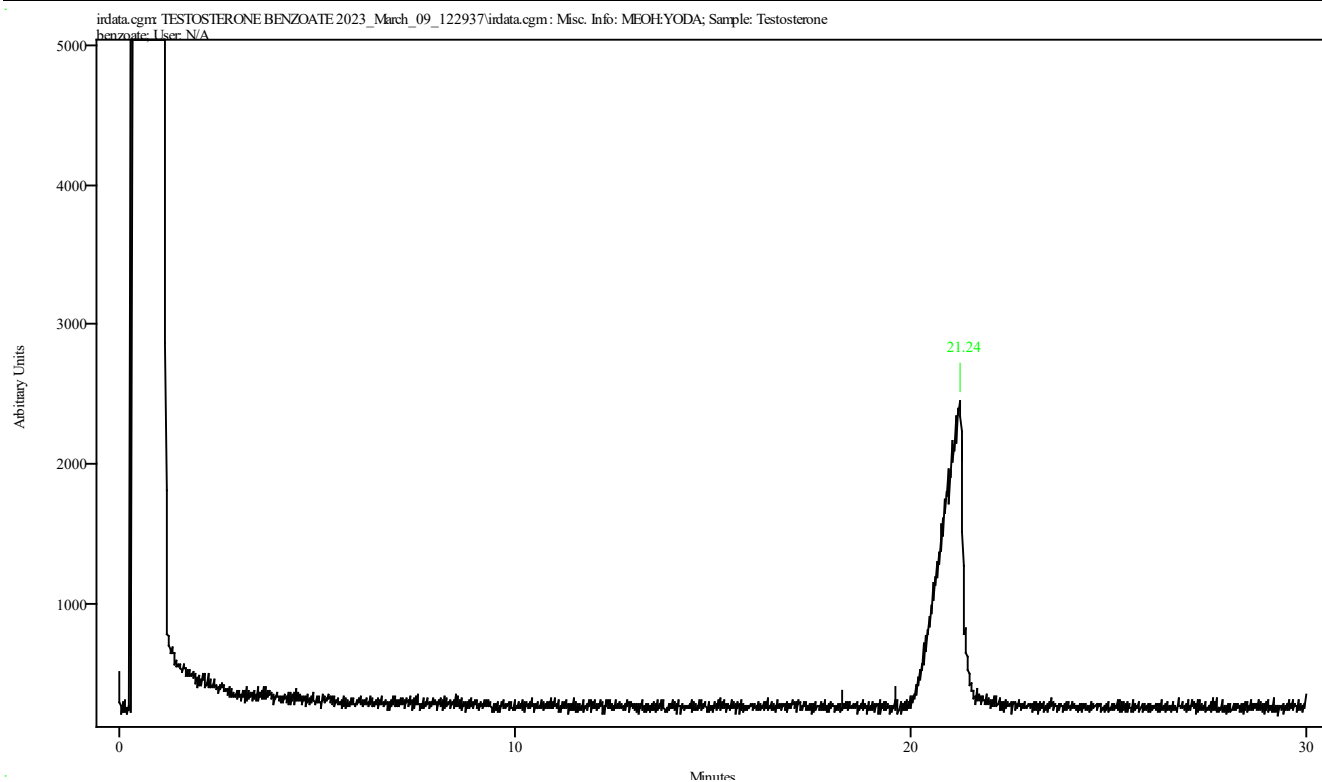
=====
Compound related custom fields
=====

=====			
Custom Field	Type	Mand.	Default Value

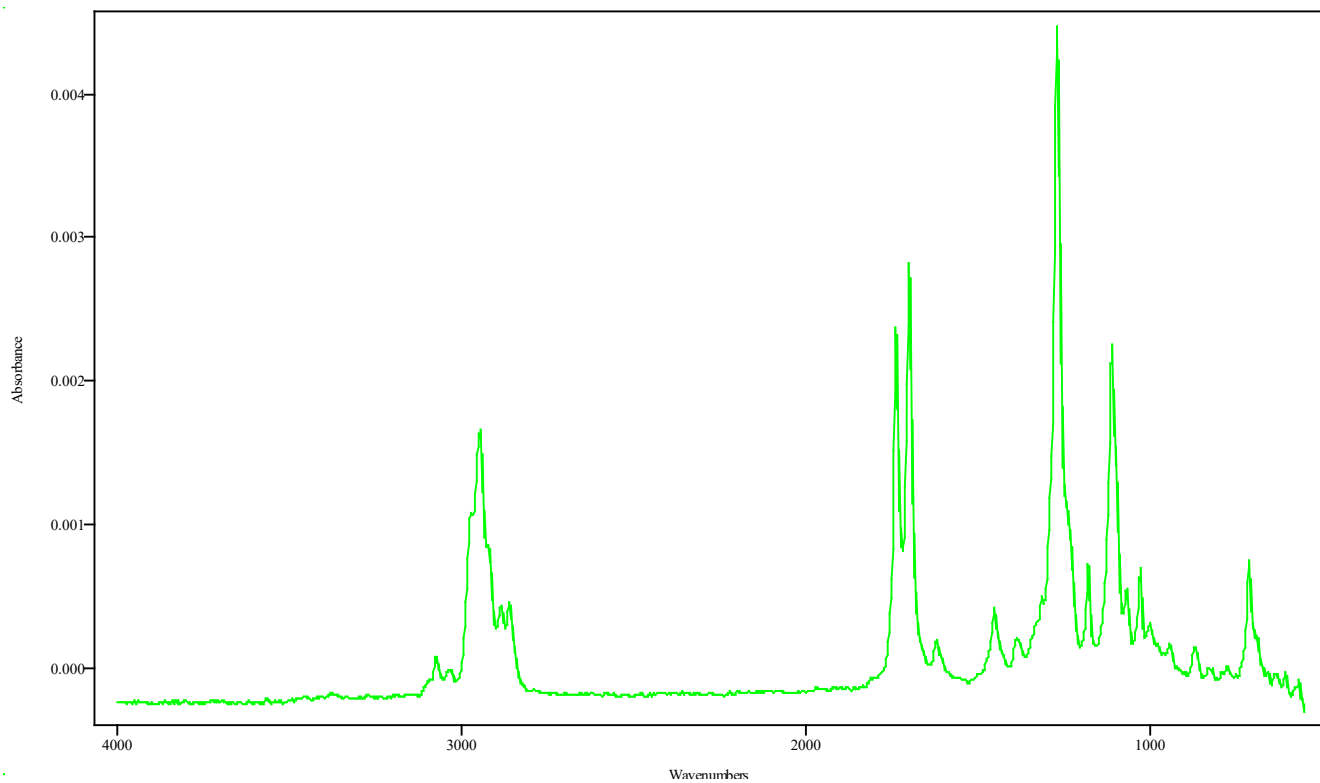
None defined			

IRD Data Analysis Report

Data Filename	TESTOSTERONE BENZOATE 2023_March_09_122937
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-9-23-1
IRD Method	IRD3 EXT
GC Method	SLISO270(30MIN).M
GC Vial	11
Sample Name	Testosterone benzoate
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Thu Mar 09 13:02:03 2023
Date Processed	Mon Mar 20 09:17:09 2023



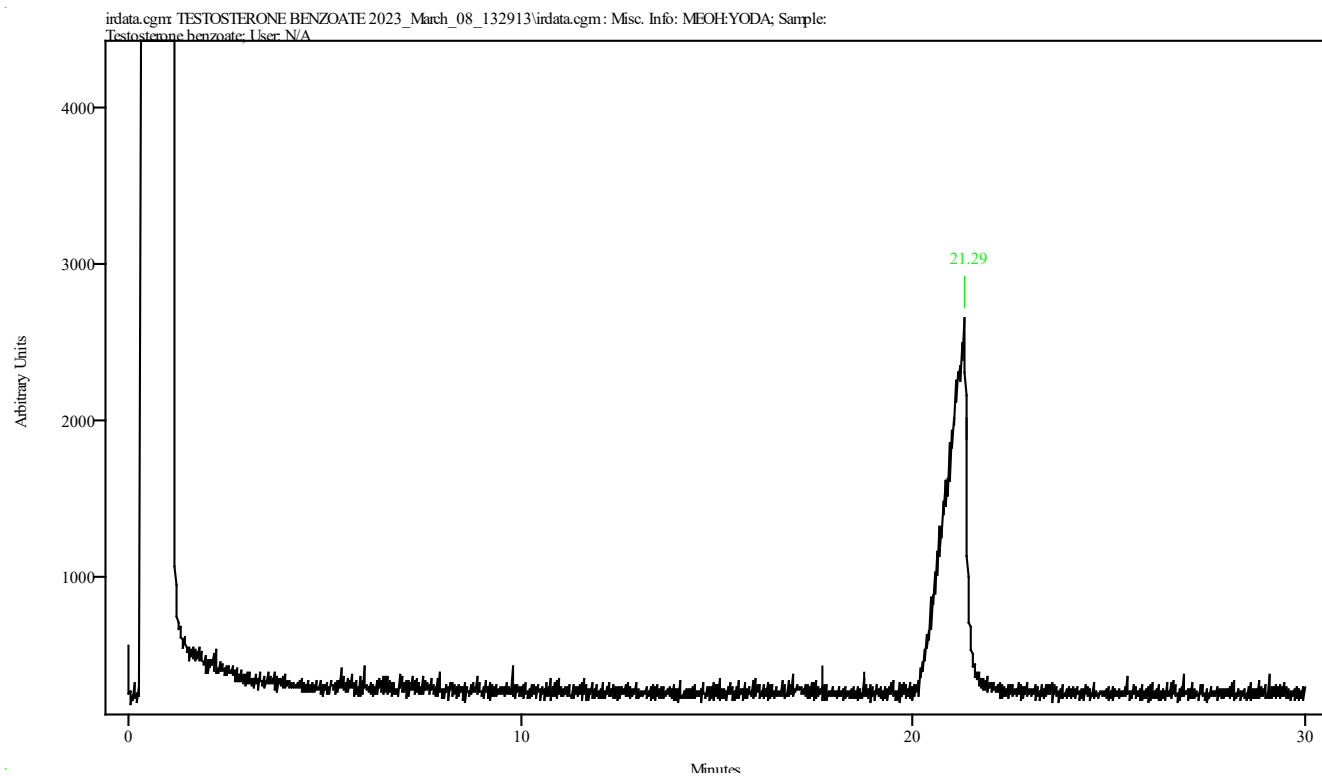
Peak Start	Peak End	Peak Width	Reference Start	Reference End
20.779	21.285	0.503	18.284	19.593



IRDATA.SPC: 21.24 minutes: AVE (20.78: 21.28) Ref. (18.28: 19.59) of TESTOSTERONE BENZOATE 2023_March_09_122937.cgm

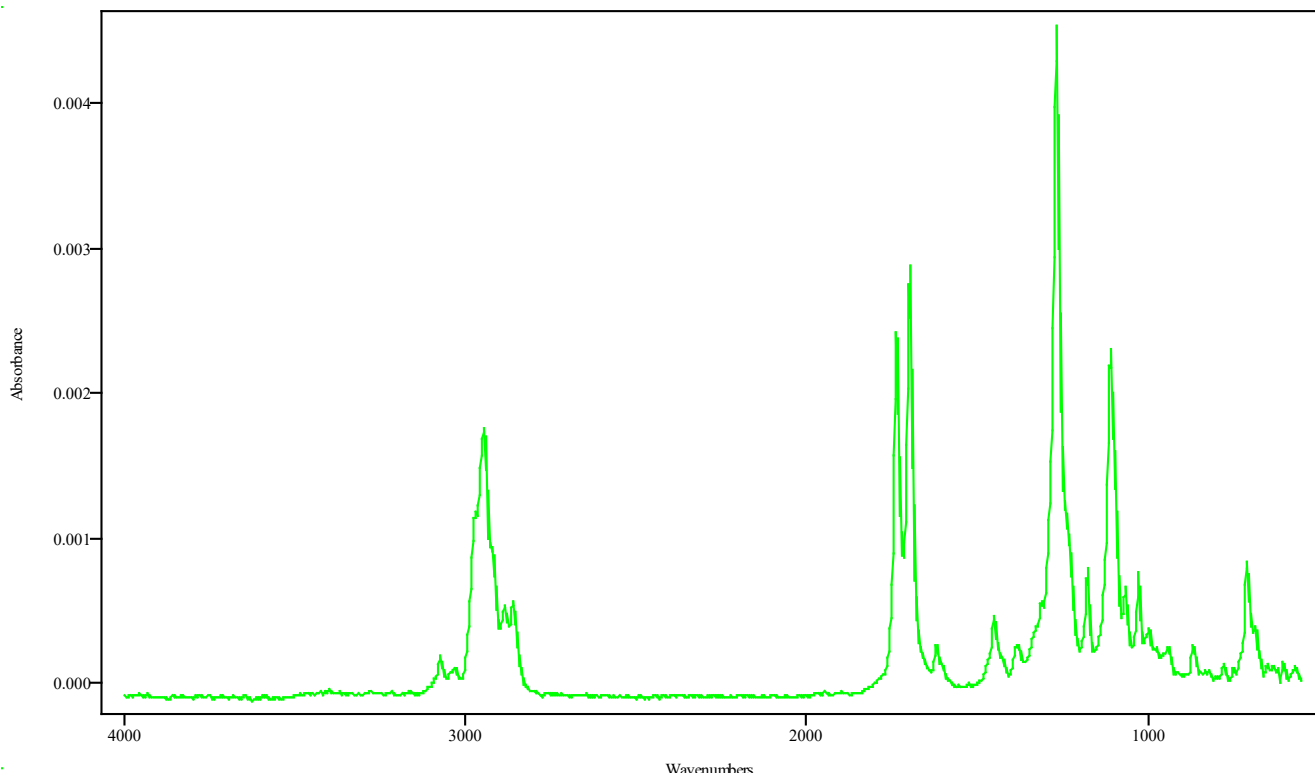
IRD Data Analysis Report

Data Filename	TESTOSTERONE BENZOATE 2023_March_08_132913
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-8-23-1
IRD Method	IRD3 EXT
GC Method	SLISO270(30MIN).M
GC Vial	11
Sample Name	Testosterone benzoate
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Wed Mar 08 14:01:37 2023
Date Processed	Tue Mar 21 12:54:47 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
20.816	21.347	0.536	17.708	18.737

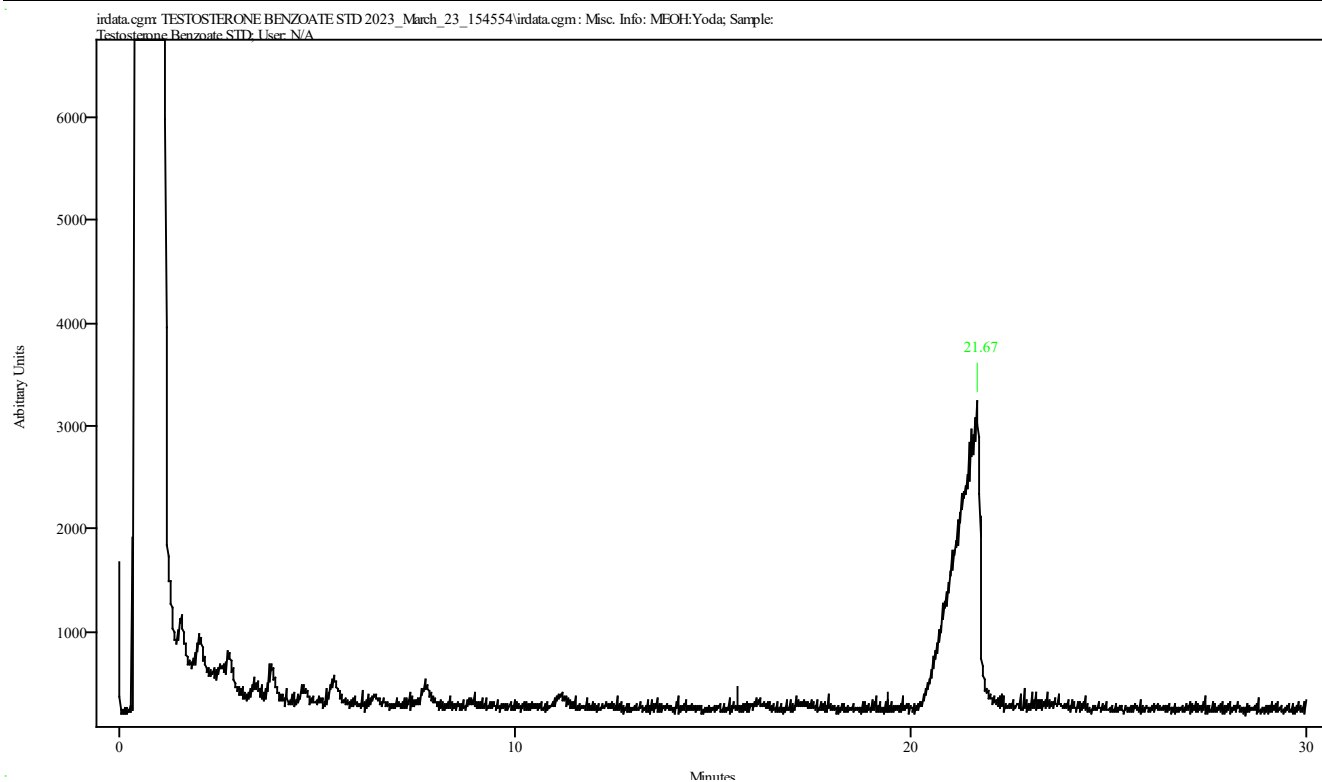
Data Filename	TESTOSTERONE BENZOATE 2023_March_08_132913
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-8-23-1
IRD Method	IRD3 EXT
GC Method	SLISO270(30MIN).M
GC Vial	11
Sample Name	Testosterone benzoate
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Wed Mar 08 14:01:37 2023
Date Processed	Tue Mar 21 12:54:47 2023



IRDATA.SPC: 21.29 minutes: AVE (20.81: 21.35) Ref. (17.71: 18.73) of TESTOSTERONE BENZOATE 2023_March_08_132913.cgm

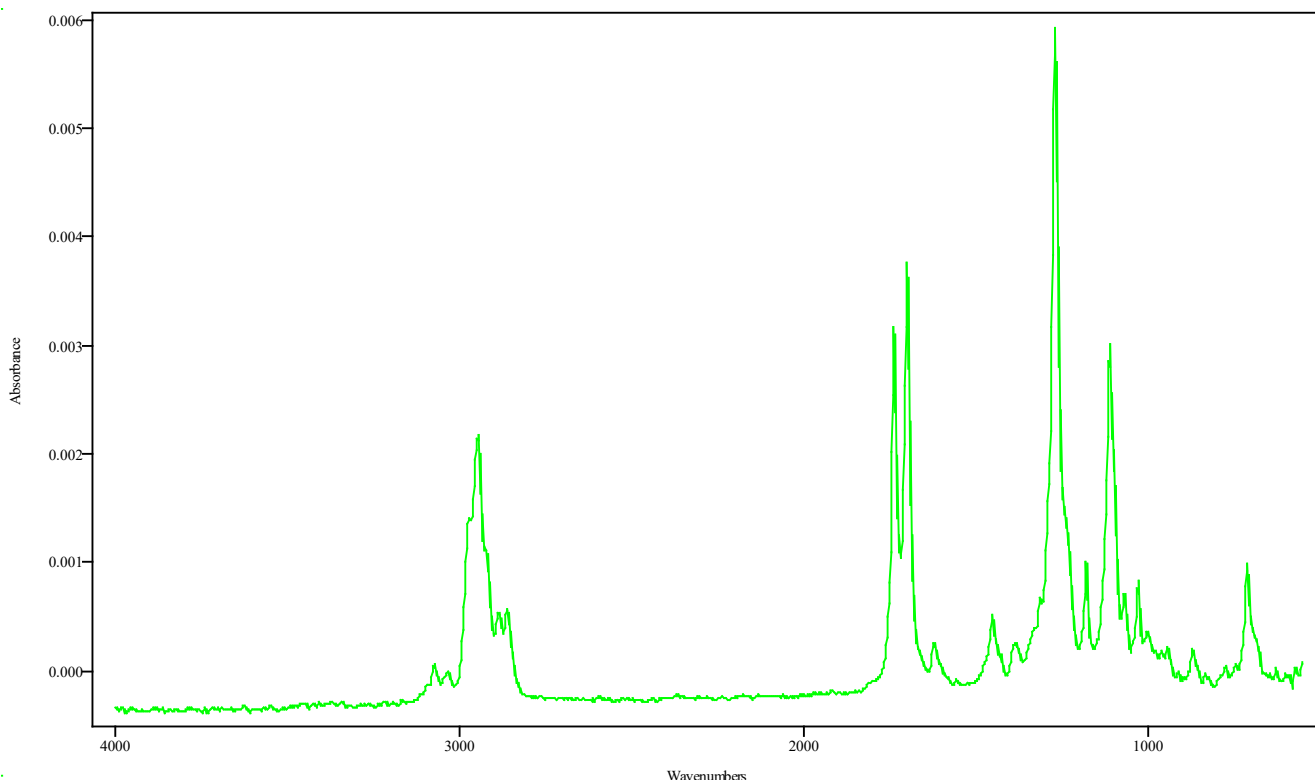
IRD Data Analysis Report

Data Filename	TESTOSTERONE BENZOATE STD 2023_March_23_154554
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-23-23- STDs
IRD Method	IRD3 EXT
GC Method	SLISO270(30MIN).M
GC Vial	11
Sample Name	Testosterone Benzoate STD
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Thu Mar 23 16:18:27 2023
Date Processed	Fri Mar 24 10:17:30 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
21.611	21.753	0.142	15.603	19.435

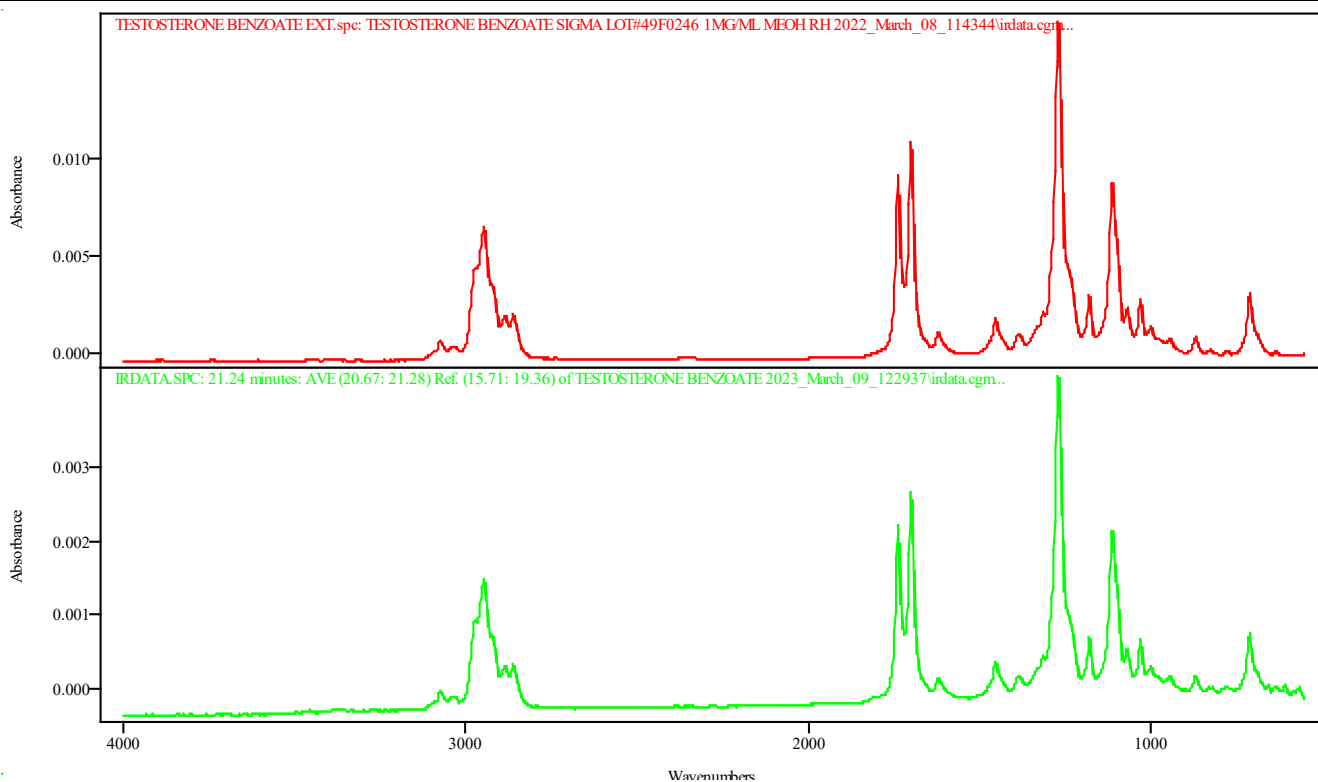
Data Filename	TESTOSTERONE BENZOATE STD 2023_March_23_154554
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-23-23- STDs
IRD Method	IRD3 EXT
GC Method	SLISO270(30MIN).M
GC Vial	11
Sample Name	Testosterone Benzoate STD
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Thu Mar 23 16:18:27 2023
Date Processed	Fri Mar 24 10:17:30 2023



IRDATA.SPC: 21.67 minutes: AVE (21.61: 21.75) Ref. (15.60: 19.43) of TESTOSTERONE BENZOATE STD 2023_March_23_154554.cgm

IRD Data Analysis Report

Data Filename	TESTOSTERONE BENZOATE 2023_March_09_122937
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-9-23-1
IRD Method	IRD3 EXT
GC Method	SLISO270(30MIN).M
GC Vial	11
Sample Name	Testosterone benzoate
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Thu Mar 09 13:02:03 2023
Date Processed	Mon Apr 03 10:12:39 2023

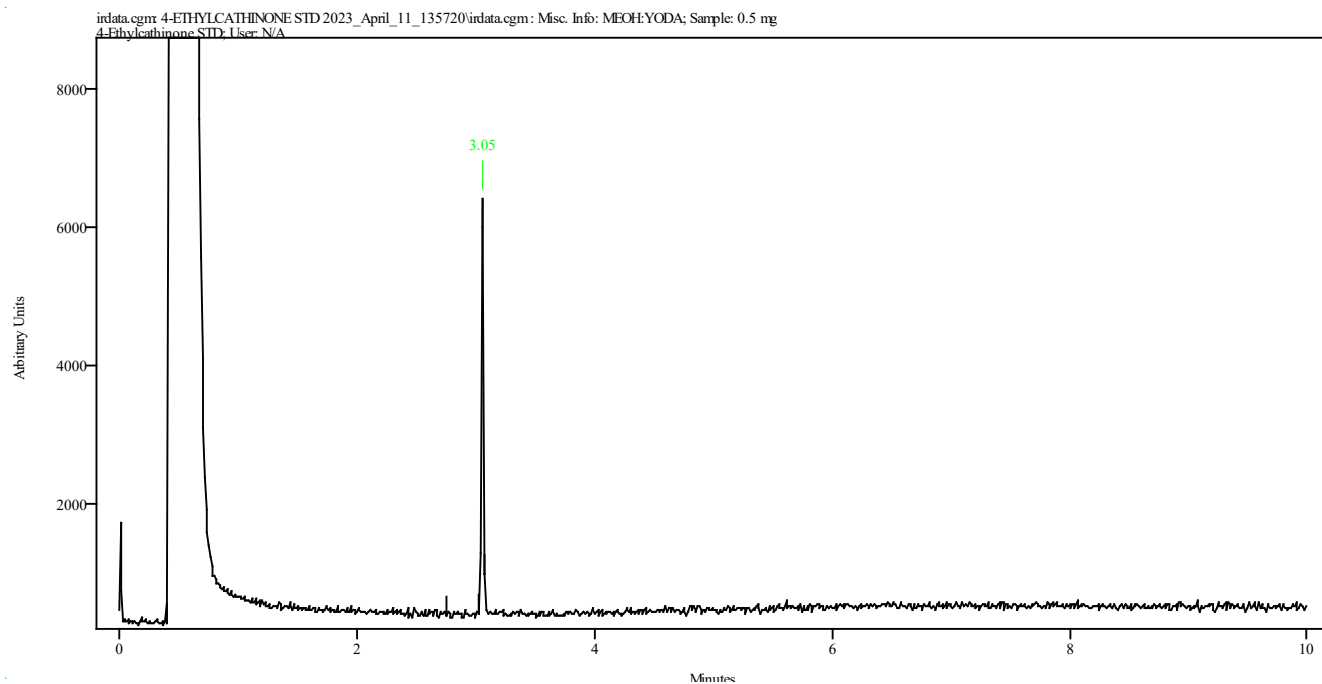


IRDATA.SPC: 21.24 minutes: AVE (20.67: 21.28) Ref. (15.71: 19.36) of TESTOSTERONE BENZOATE 2023_March_09_122937.cgm

TESTOSTERONE BENZOATE EXT.spc: TESTOSTERONE BENZOATE SIGMA LOT#49F0246 1MG/ML MEOH RH 2022_March_08_114344\irdata.cgm

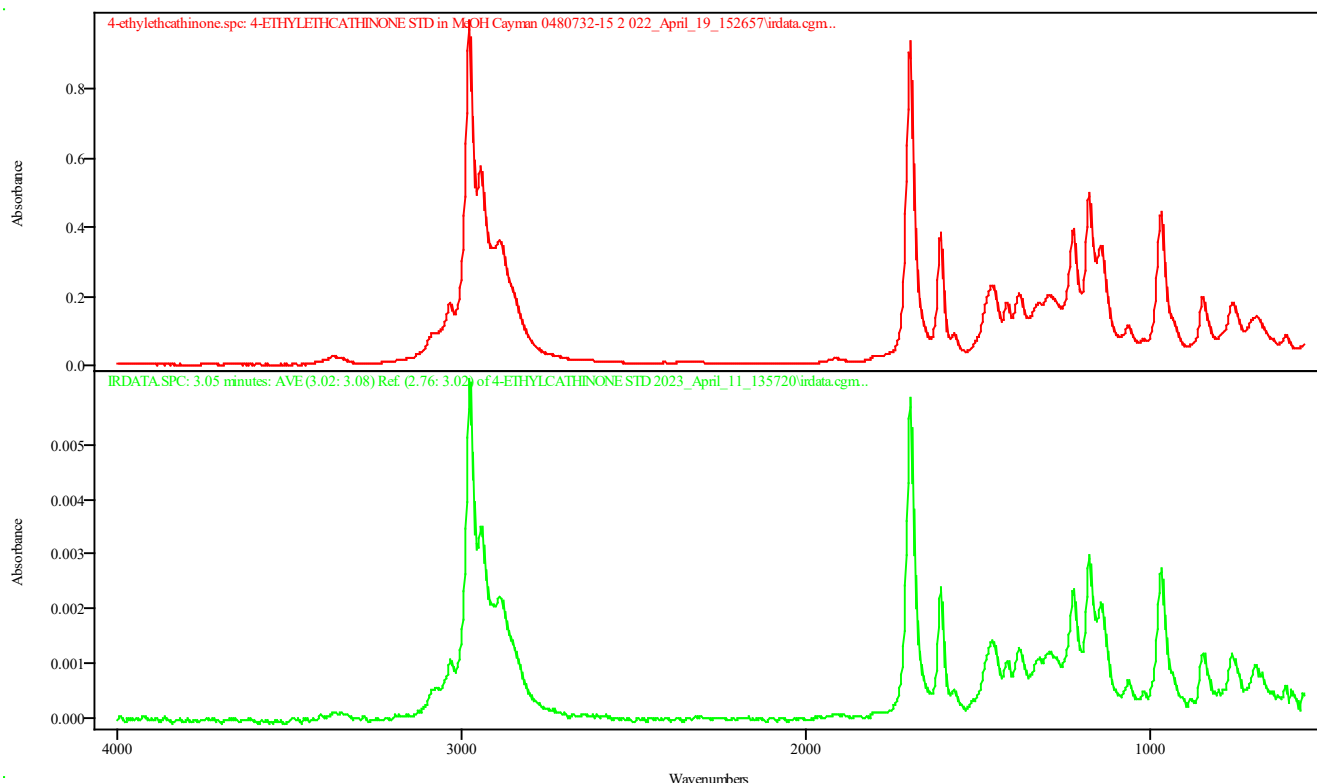
IRD Data Analysis Report

Data Filename	4-ETHYLCATHINONE STD 2023_April_11_135720
Data Path	C:/ASAP DATA/YODA 2023/Validation/Limit of detection
IRD Method	IRD3 EXT
GC Method	120TO270.M
GC Vial	11
Sample Name	0.5 mg 4-Ethylcathinone STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Apr 11 14:11:10 2023
Date Processed	Tue Apr 18 08:09:01 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.021	3.076	0.055	2.758	3.021

Data Filename	4-ETHYLCATHINONE STD 2023_April_11_135720
Data Path	C:/ASAP DATA/YODA 2023/Validation/Limit of detection
IRD Method	IRD3 EXT
GC Method	120TO270.M
GC Vial	11
Sample Name	0.5 mg 4-Ethylcathinone STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Apr 11 14:11:10 2023
Date Processed	Tue Apr 18 08:09:01 2023

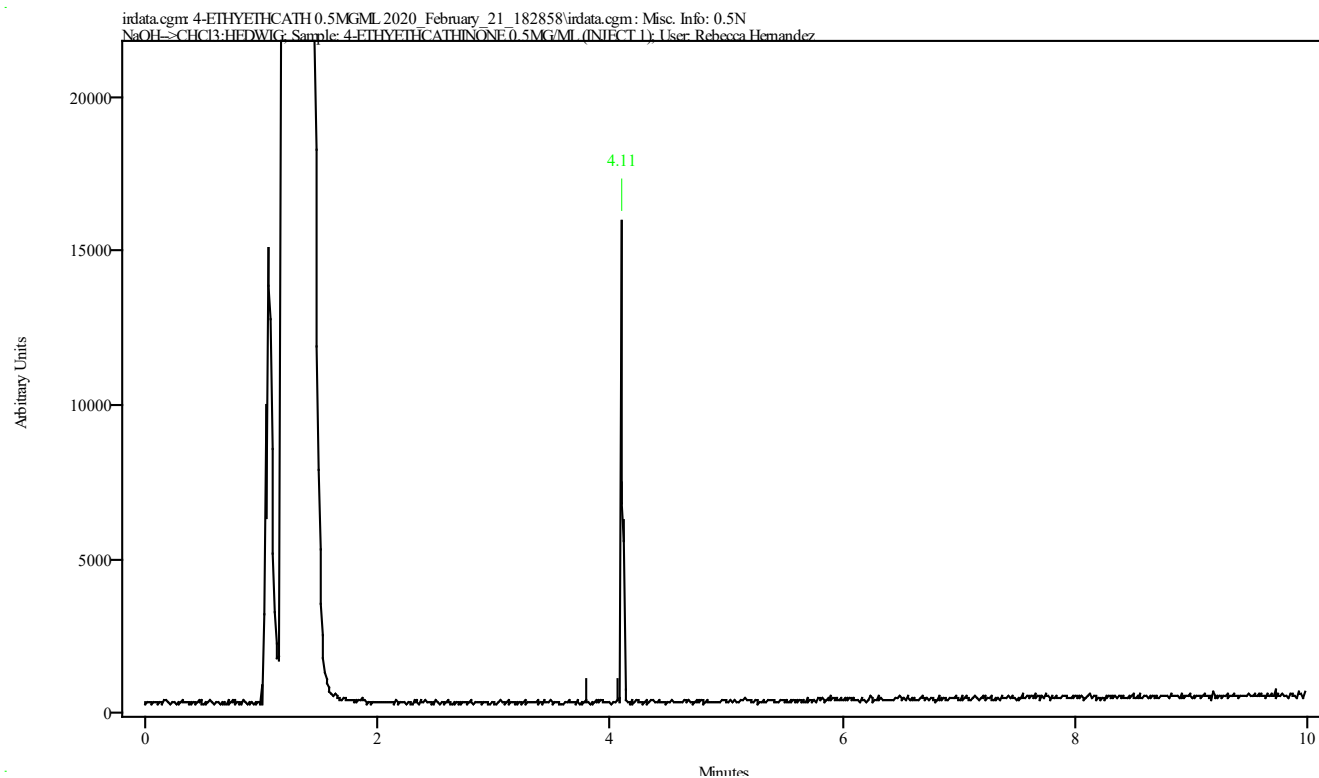


IRDATA.SPC: 3.05 minutes: AVE (3.02: 3.08) Ref. (2.76: 3.02) of 4-ETHYLCATHINONE STD 2023_April_11_135720.cgm

4-ethylethcathinone.spc: 4-ETHYLETHCATHINONE STD in MeOH Cayman 0480732-15 2 022_April_19_152657\irdata.cgm

IRD Data Analysis Report

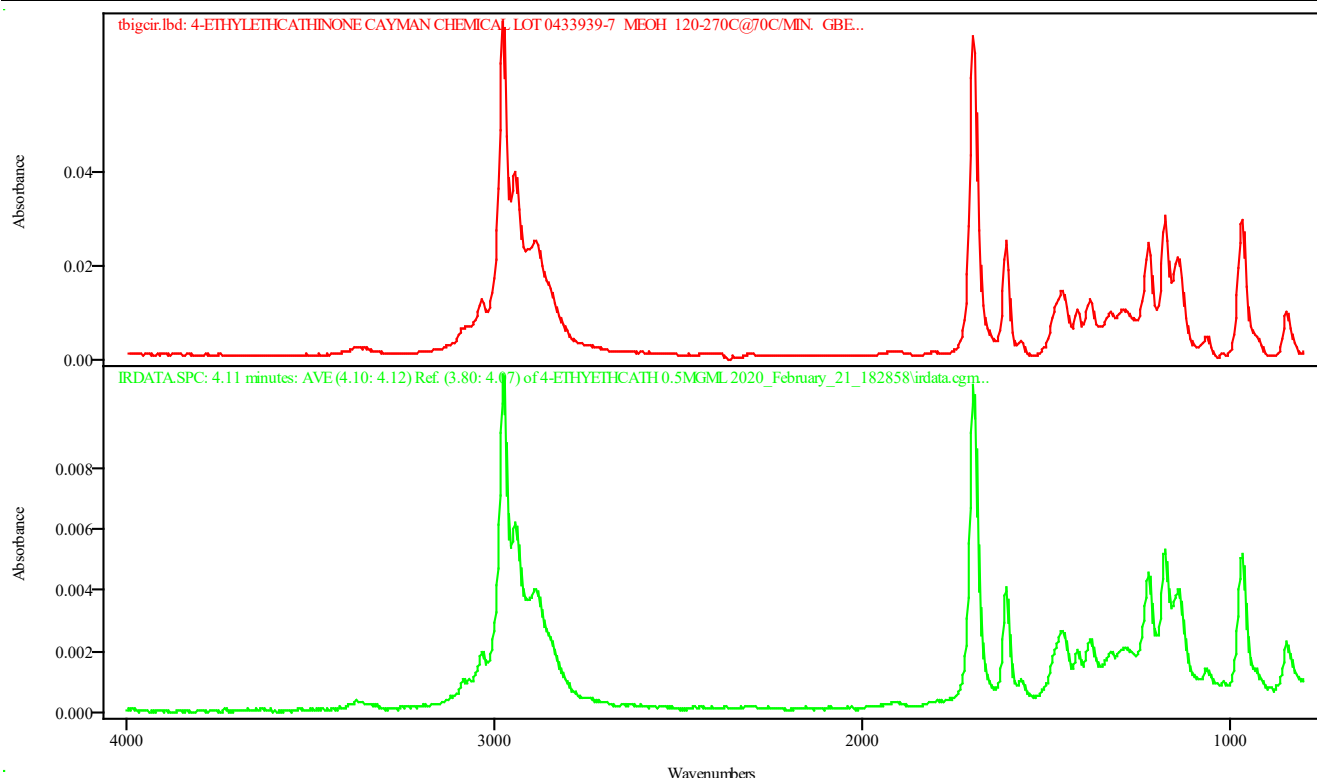
Data Filename	4-ETHYETHCATH 0.5MGML 2020_February_21_182858
Data Path	C:/ASAP DATA/LIMIT OF DETECTION AND PERFORMANCE CHECK
IRD Method	HEDWIG IRD3
GC Method	120TO270
GC Vial	112
Sample Name	4-ETHYETHCATHINONE 0.5MG/ML (INJECT 1)
Misc. Info	0.5N NaOH-->CHCl3:HEDWIG
User ID	Rebecca Hernandez
Injection Time	Fri Feb 21 18:42:25 2020
Date Processed	Fri Feb 28 14:55:39 2020



Peak Start	Peak End	Peak Width	Reference Start	Reference End
4.096	4.121	0.022	3.800	4.066

Spectral Library Search Results

Data Filename	4-ETHYETHCATH 0.5MGML 2020_February_21_182858
Data Path	C:/ASAP DATA/LIMIT OF DETECTION AND PERFORMANCE CHECK
File Title	4.11 minutes: AVE (4.10: 4.12) Ref. (3.80: 4.07) of 4-ETHYETHCATH 0.5MGML 2020_February_21_182858.cgm
Date	Fri Feb 28 14:55:40 2020
Search Algorithm	Correlation Coefficient
Search Regions	Full Spectrum



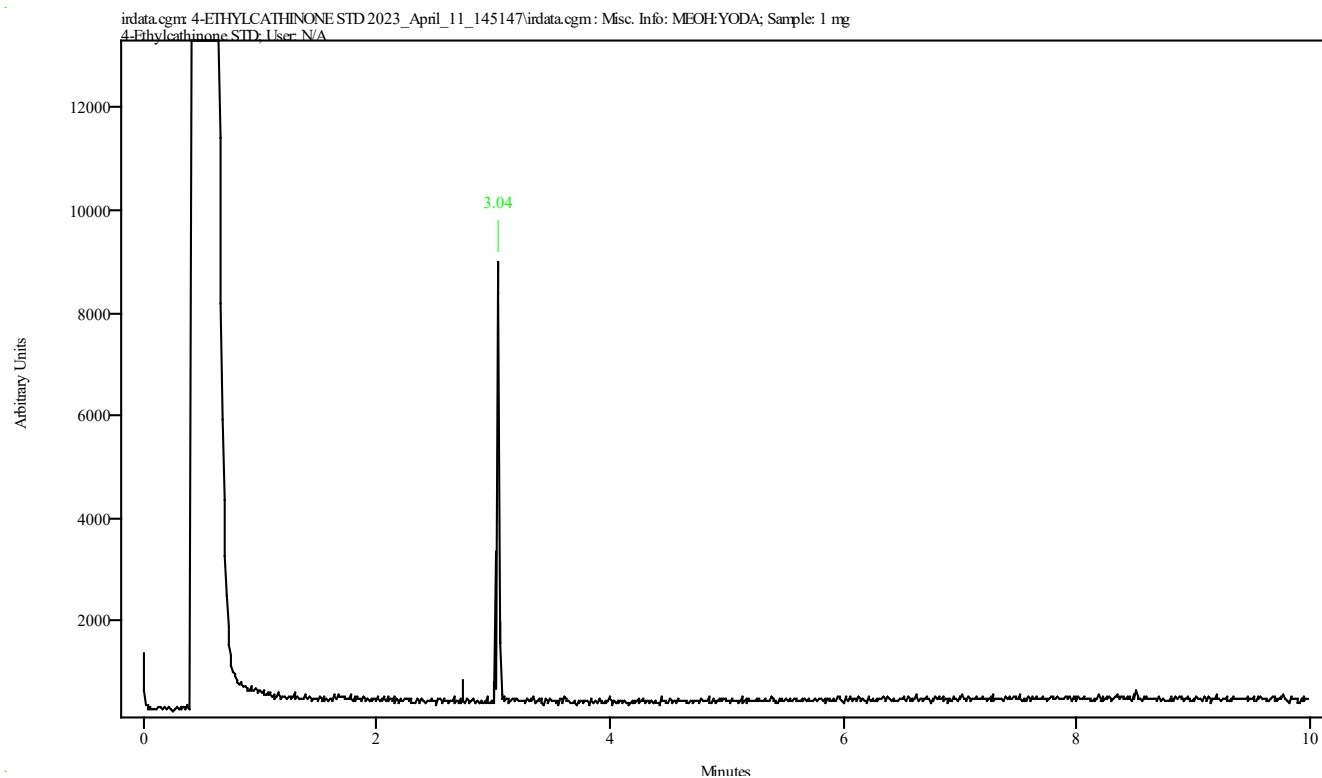
IRDATA.SPC: 4.11 minutes: AVE (4.10: 4.12) Ref. (3.80: 4.07) of 4-ETHYETHCATH 0.5MGML 2020_February_21_182858.cgm

Entry 285 from Library tbigcir.lbd: 4-ETHYLETHCATHINONE CAYMAN CHEMICAL LOT 0433939-7 MEOH 120-270C@70C/MIN. GBE

Metric	Name	Library	Entry
0.984075	4-ETHYLETHCATHINONE CAYMAN CHEMICAL LOT 0433939-7 MEOH 120-270C@70C/MIN. GBE	tbigcir.lbd	285

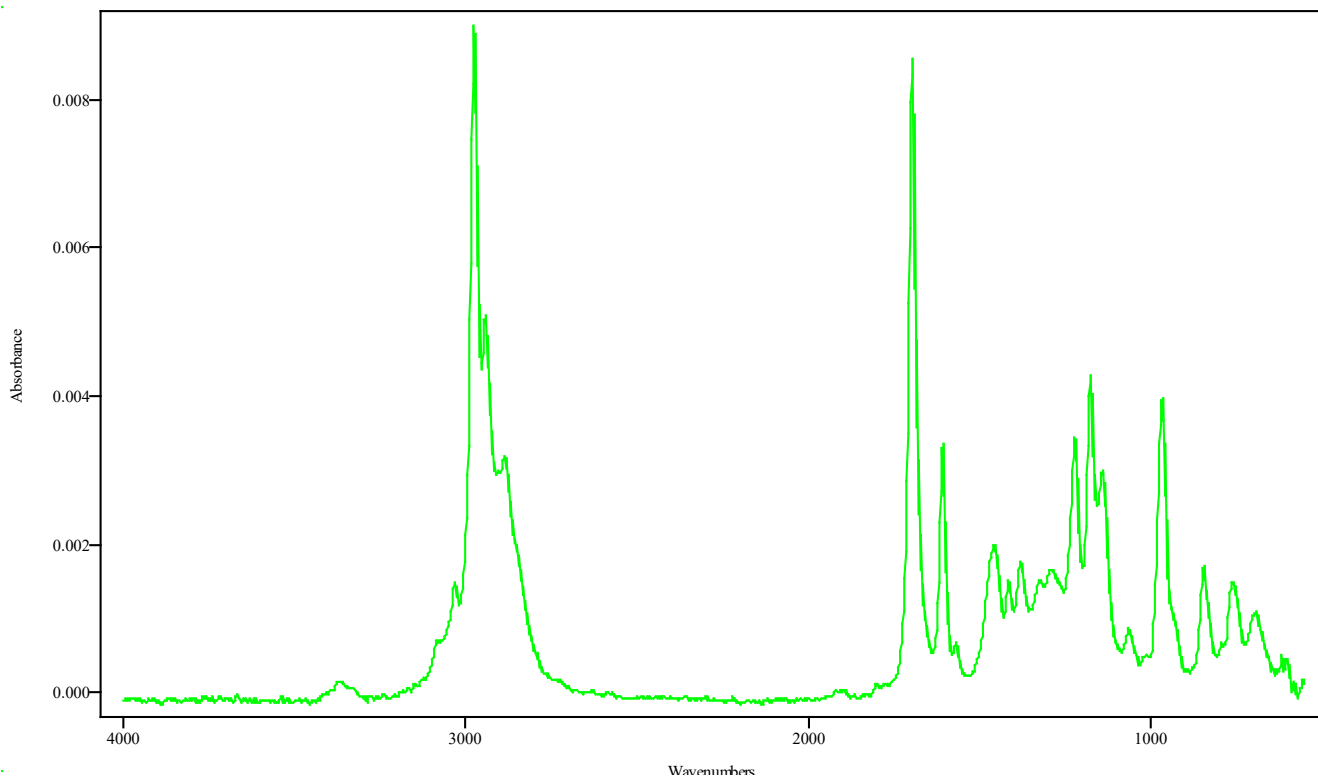
IRD Data Analysis Report

Data Filename	4-ETHYLCATHINONE STD 2023_April_11_145147
Data Path	C:/ASAP DATA/YODA 2023/Validation/Limit of detection
IRD Method	IRD3 EXT
GC Method	120TO270.M
GC Vial	12
Sample Name	1 mg 4-Ethylcathinone STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Apr 11 15:05:43 2023
Date Processed	Wed Apr 12 14:33:21 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.004	3.059	0.055	2.741	3.004

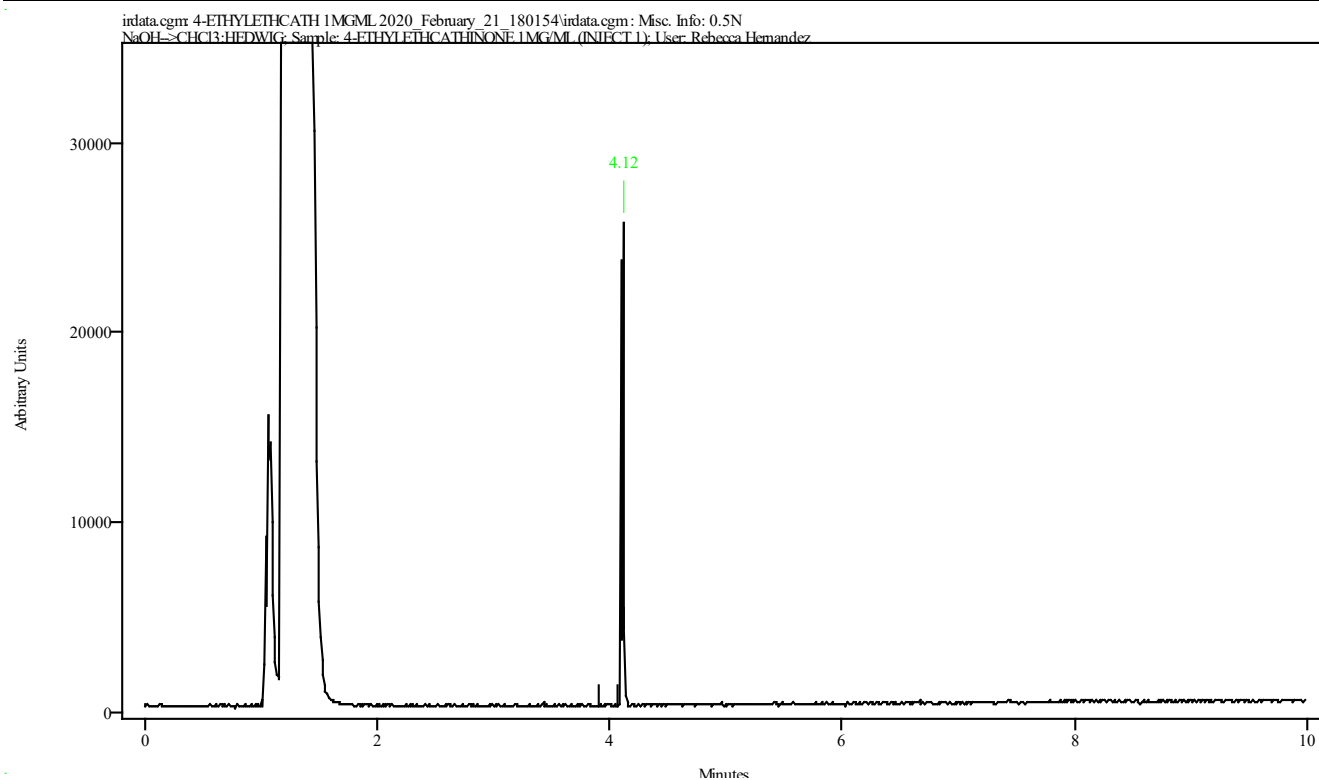
Data Filename	4-ETHYLCATHINONE STD 2023_April_11_145147
Data Path	C:/ASAP DATA/YODA 2023/Validation/Limit of detection
IRD Method	IRD3 EXT
GC Method	120TO270.M
GC Vial	12
Sample Name	1 mg 4-Ethylcathinone STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Apr 11 15:05:43 2023
Date Processed	Wed Apr 12 14:33:21 2023



IRDATA.SPC: 3.04 minutes: AVE (3.00: 3.06) Ref. (2.74: 3.00) of 4-ETHYLCATHINONE STD 2023_April_11_145147.cgm

IRD Data Analysis Report

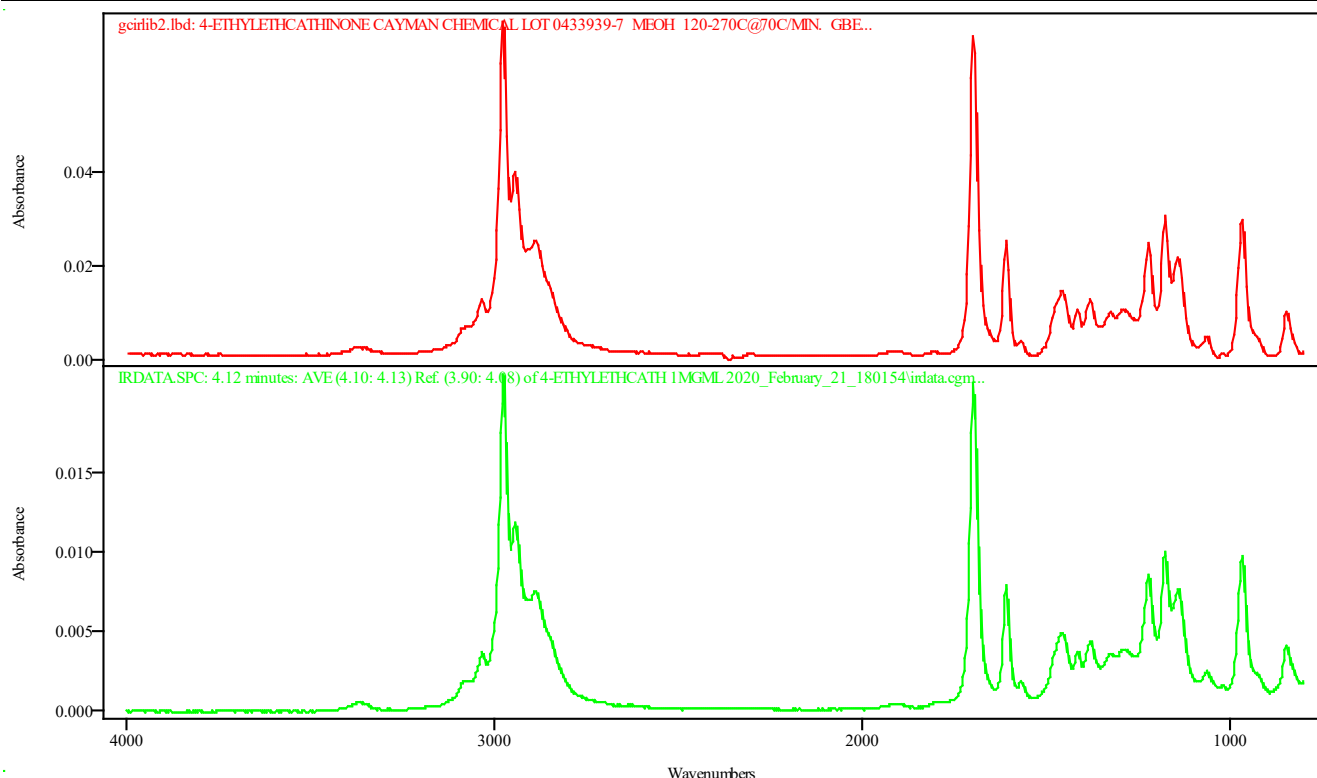
Data Filename	4-ETHYLETHCATH 1MGML 2020_February_21_180154
Data Path	C:/ASAP DATA/LIMIT OF DETECTION AND REPEATABILITY
IRD Method	HEDWIG IRD3
GC Method	120TO270
GC Vial	110
Sample Name	4-ETHYLETHCATHINONE 1MG/ML (INJECT 1)
Misc. Info	0.5N NaOH-->CHCl3:HEDWIG
User ID	Rebecca Hernandez
Injection Time	Fri Feb 21 18:15:23 2020
Date Processed	Sun Feb 23 10:55:56 2020



Peak Start	Peak End	Peak Width	Reference Start	Reference End
4.098	4.131	0.033	3.899	4.076

Spectral Library Search Results

Data Filename	4-ETHYLETHCATH 1MGML 2020_February_21_180154
Data Path	C:/ASAP DATA/LIMIT OF DETECTION AND REPEATABILITY
File Title	4.12 minutes: AVE (4.10: 4.13) Ref. (3.90: 4.08) of 4-ETHYLETHCATH 1MGML 2020_February_21_180154.cgm
Date	Sun Feb 23 10:55:56 2020
Search Algorithm	Correlation Coefficient
Search Regions	Full Spectrum



IRDATA.SPC: 4.12 minutes: AVE (4.10: 4.13) Ref. (3.90: 4.08) of 4-ETHYLETHCATH 1MGML 2020_February_21_180154.cgm

Entry 42 from Library gcirlib2.lbd: 4-ETHYLETHCATHINONE CAYMAN CHEMICAL LOT 0433939-7 MEOH 120-270C@70C/MIN. GBE

Metric	Name	Library	Entry
0.985870	4-ETHYLETHCATHINONE CAYMAN CHEMICAL LOT 0433939-7 MEOH 120-270C@70C/MIN. GBE	gcirlib2.lbd	42

Method Information

Method: C:\Users\Public\Documents\ChemStation\1\Methods\POLYDRUG.M
Modified: 2/22/2023 at 9:42:27 AM

AUTOSAMPLE 120C TO 270C, HOLD FOR 0.3 MIN @120C, RAMP @55C PER MIN TO
230C. RAMP @10C PER MIN TO 270C. 10 MINUTE METHOD.

Method Audit Trail

Operator : SYSTEM
Date : 2/3/2023 3:18:49 PM
Change Info: This method was created at 2/3/2023 3:18:49 PM and based on
method
'C:\Users\Public\Documents\ChemStation\1\Methods\120TO270
(40CTO200C
) .M'

Operator : SYSTEM
Date : 2/3/2023 3:18:49 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/3/2023 3:19:45 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/16/2023 11:00:30 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/16/2023 11:13:23 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/22/2023 8:40:59 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/22/2023 9:42:27 AM
Change Info: Method saved. User comment: ""

Run Time Checklist

Pre-Run Cmd/Macro: off

Data Acquisition: on

Standard Data Analysis: on

Modify Custom Fields: off
Customized Data Analysis: off
Save GLP Data: off
Post-Run Cmd/Macro: off
Save Method with Data: off

Injection Source and Location

Injection Source: GC Injector
Injection Location: Front

Agilent 8890

Module Type: GC
Module Name: Agilent 8890

GC

GC Summary

Run Time	10 min
Post Run Time	0 min

Oven

Temperature

Setpoint	On
(Initial)	120 °C
Hold Time	0.3 min
Post Run	120 °C

Program

#1 Rate	55 °C/min
#1 Value	230 °C
#1 Hold Time	0 min
#2 Rate	10 °C/min
#2 Value	270 °C
#2 Hold Time	3.7 min

Equilibration Time	1 min
Max Temperature	325 °C
Maximum Temperature Override	Disabled
Slow Fan	Disabled

ALS

Front Injector

Syringe Size	10 µL
Injection Volume	1 µL
Solvent A Washes (PreInj)	3
Solvent A Washes (PostInj)	0
Solvent A Volume	8 µL

Solvent B Washes (PreInj)	3
Solvent B Washes (PostInj)	0
Solvent B Volume	8 µL
Sample Washes	1
Sample Wash Volume	8 µL
Sample Pumps	3
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	3000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	3000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Solvent Wash Mode	A, B
Sample Overlap	
Mode	Sample overlap is not enabled
Front SS Inlet He	
Mode	Split
Heater	On 250 °C
Pressure	On 10.015 psi
Total Flow	On 12 mL/min
Septum Purge Flow	On 3 mL/min
Pre-Run Flow Test	Off
Gas Saver	On 15 mL/min after 2 min
Split Ratio	2 :1
Split Flow	6 mL/min
Liner	A Liner has not been selected.
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	3 mL/min
Post Run	2 mL/min
Temperature Range	-60 °C–325 °C (325 °C)
Dimensions	15 m x 320 µm x 1 µm
(Uncalibrated)	
Column lock	Unlocked
In	Front SS Inlet He
Out	Other
(Initial)	120 °C
Pressure	10.015 psi
Flow	3 mL/min
Average Velocity	60.612 cm/sec
Holdup Time	0.41246 min
Control Mode	Constant Flow
Column Outlet Pressure	0 psi

Detector Evaluation	
Perform Detector Evaluation Test	Off
Signal Selected	No Signal Selected
Checkout Sample	None

Signals	
Signal #1: Test Plot	
Description	Test Plot
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Front Sample

Signal #2:	
Description	None

Signal #3:	
Description	None

Signal #4:	
Description	None

Signal #5:	
Description	None

Signal #6:	
Description	None

Signal #7:	
Description	None

Signal #8:	
Description	None

The Data Analysis Parameters of the used Method are :

```
=====
                        Integration Events
=====
```

```
-----
Non signal specific Integration Events
-----
```

Event	Value
-----	-----

Tangent Skim Mode	New Exponential
Tail Peak Skim Height Ratio	5.000
Front Peak Skim Height Ratio	5.000
Skim Valley Ratio	20.000
Baseline Correction	Advanced
Peak to Valley Ratio	500.000

Default Integration Event Table "Event"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_FID"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial

Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_NPD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_FPD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_uECD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_GC"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Apply Method's Manual Integration Events: No

=====
Specify Report
=====

Calculate: Area Percent
Do not use Multiplier & Dilution Factor with ISTDs

Use Sample Data from Data File
Report mode: Classic
Destination: File (Prefix: Report)
Destination File Types: No destination file types selected
Quantitative Results sorted by: Signal
Report Style: (None)
Sample info on each page: No
Add Chromatogram Output: No
Uncalibrated Peaks: Do Not Report

=====
Signal Options
=====

Include: Axes, Retention Times, Baselines, Tick Marks
Font: Arial, Size: 8

Ranges: Full
Multi Chromatograms: Separated, Each in full Scale

=====
Calibration Table
=====

General Calibration Setting

Calib. Data Modified :
Signals calculated separately : No

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Signal Details

Overview Table

No Entries in table

Identification Details Table

No Entries in table

Peak Sum Table

No Entries in table

Component Details Table

No Entries in table

Sample related custom fields

Custom Field	Type	Mand.	Default Value
--------------	------	-------	---------------

None defined

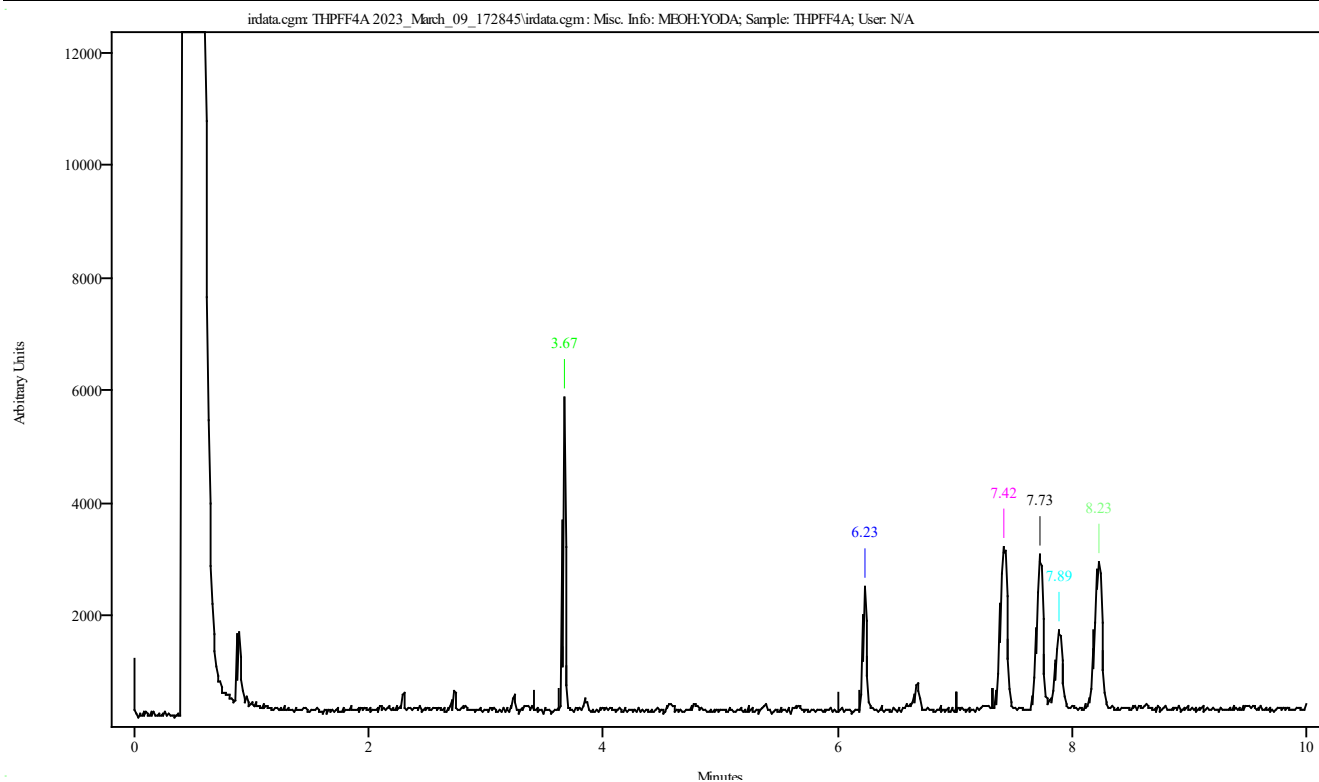
Compound related custom fields

Custom Field	Type	Mand.	Default Value
--------------	------	-------	---------------

None defined

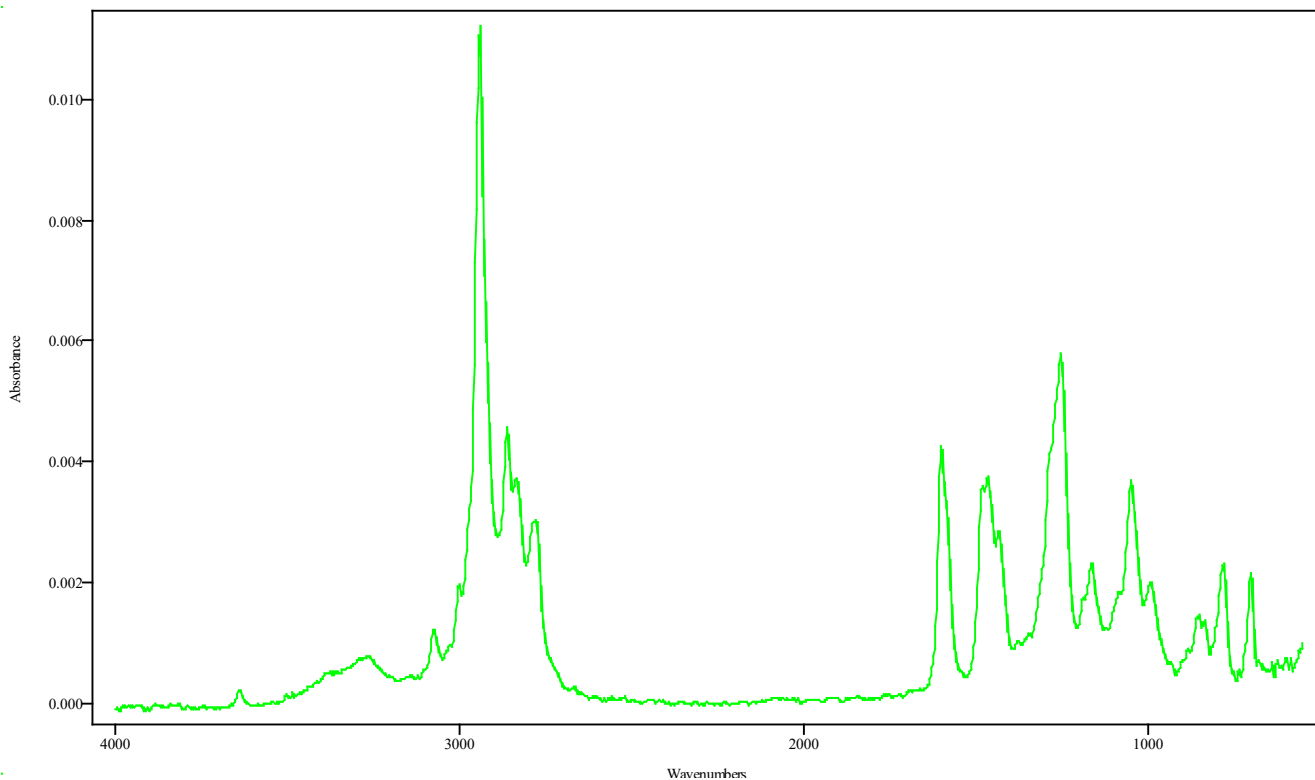
IRD Data Analysis Report

Data Filename	THPFF4A 2023_March_09_172845
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-9-23-1
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	5
Sample Name	THPFF4A
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Thu Mar 09 17:42:43 2023
Date Processed	Mon Mar 20 09:42:16 2023



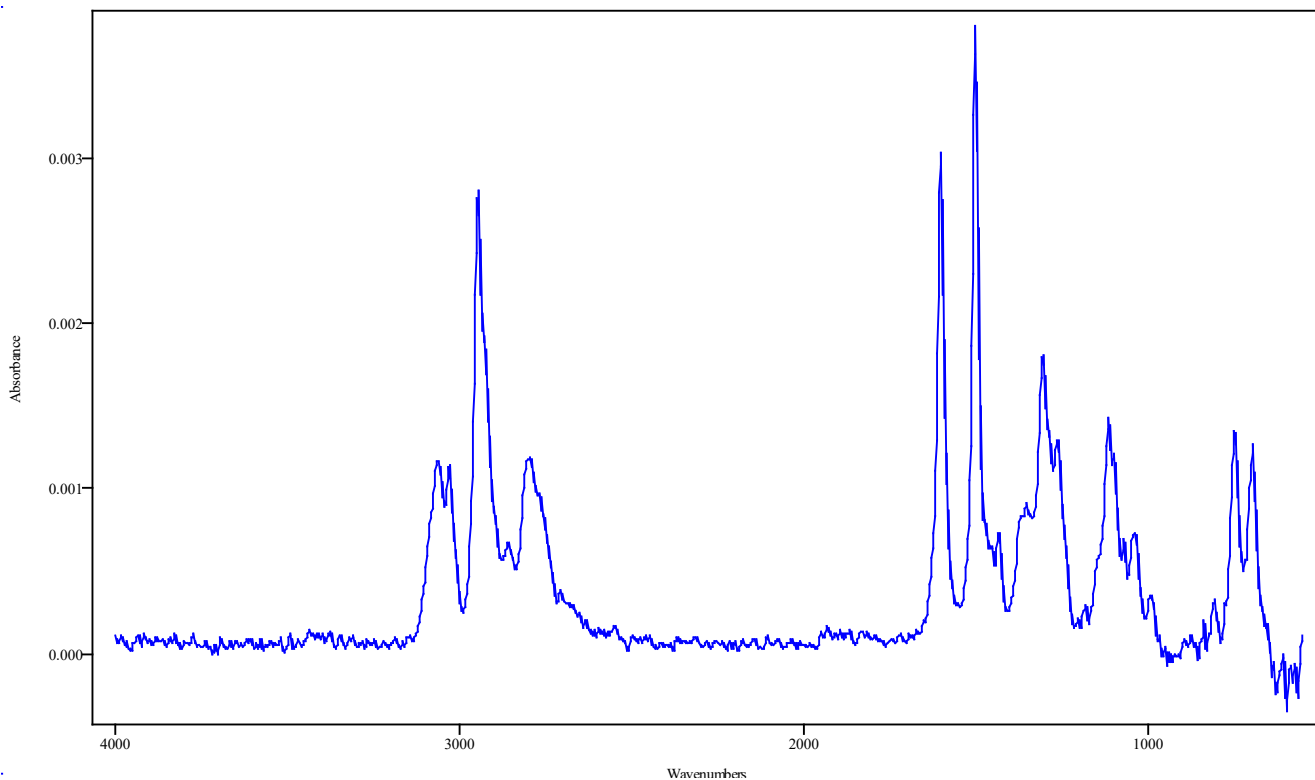
Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.645	3.688	0.044	3.405	3.623
6.209	6.253	0.044	6.002	6.176
7.377	7.453	0.076	7.017	7.322
7.682	7.759	0.076	7.017	7.322
7.846	7.922	0.076	7.017	7.322
8.184	8.261	0.076	7.017	7.322

Data Filename	THPFF4A 2023_March_09_172845
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-9-23-1
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	5
Sample Name	THPFF4A
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Thu Mar 09 17:42:43 2023
Date Processed	Mon Mar 20 09:42:16 2023



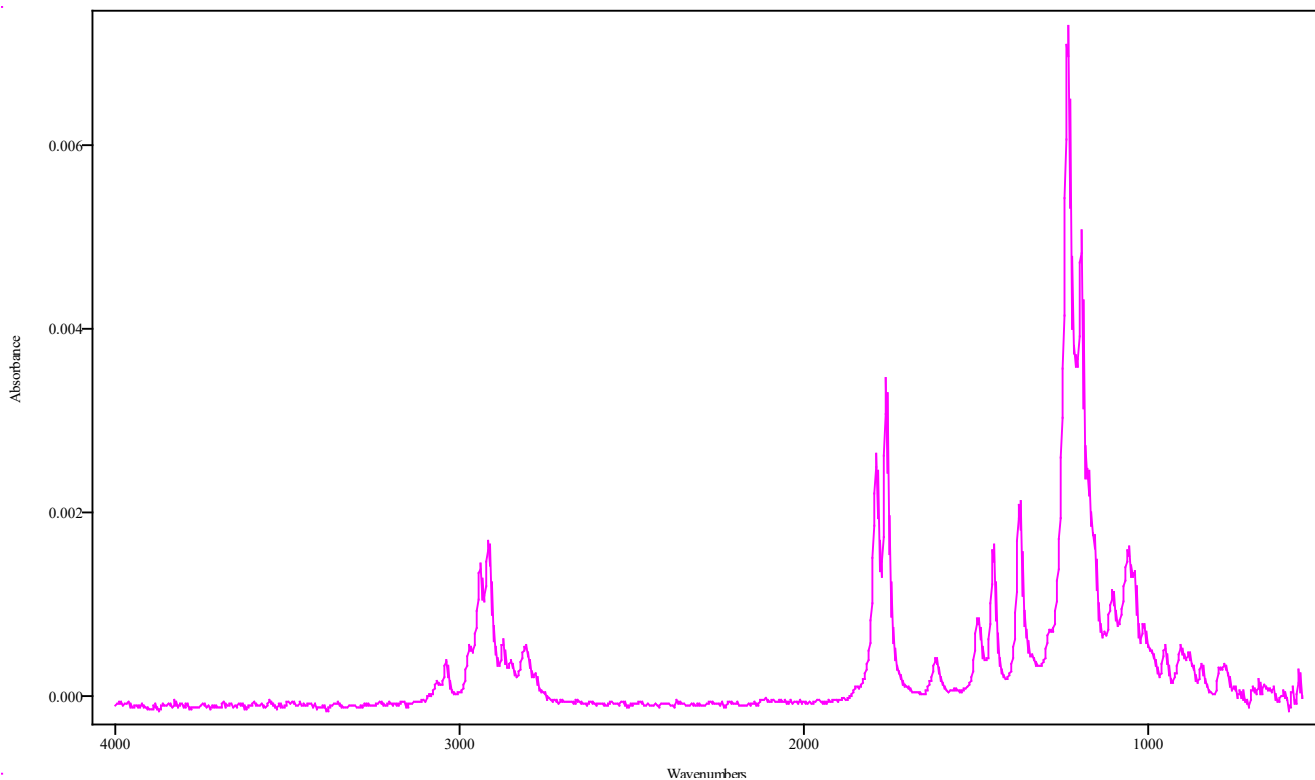
IRDATA.SPC: 3.67 minutes: AVE (3.64: 3.69) Ref. (3.40: 3.62) of THPFF4A
2023_March_09_172845.cgm Tramadol

Data Filename	THPFF4A 2023_March_09_172845
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-9-23-1
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	5
Sample Name	THPFF4A
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Thu Mar 09 17:42:43 2023
Date Processed	Mon Mar 20 09:42:16 2023



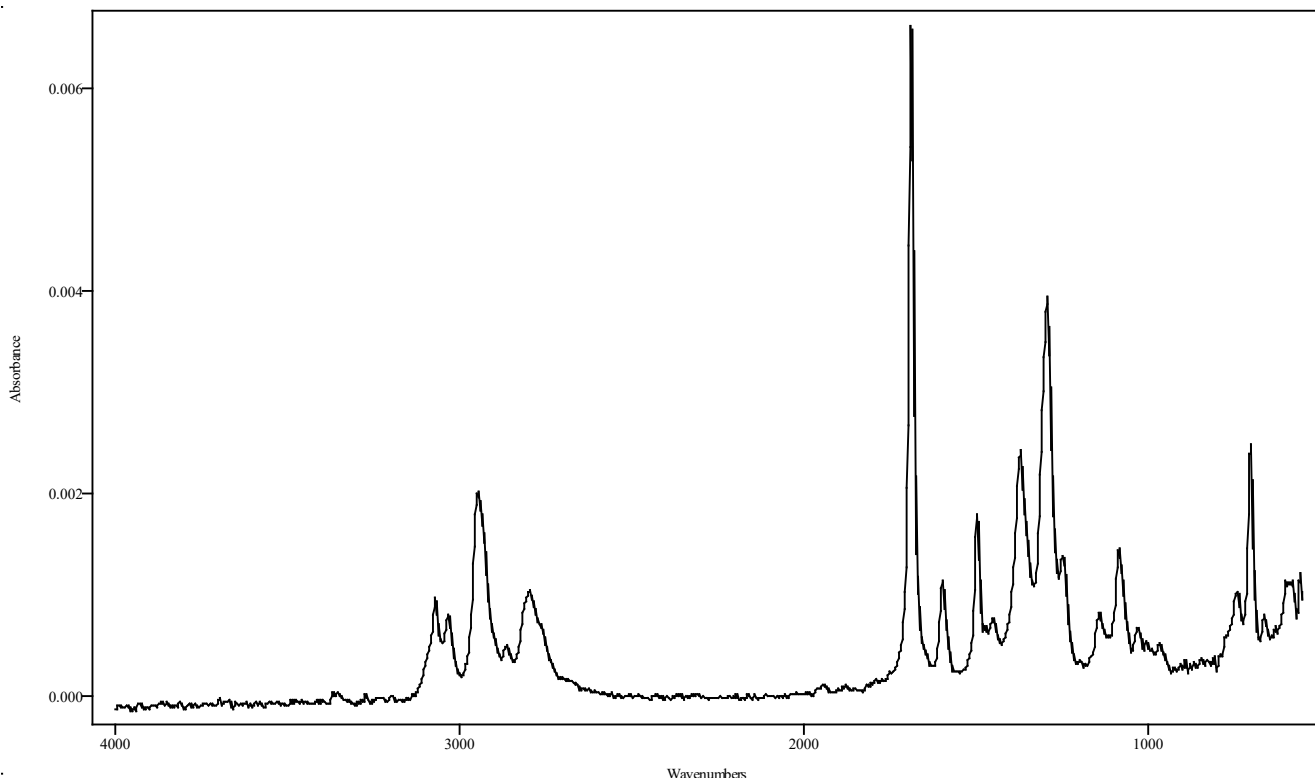
IRDATA.SPC: 6.23 minutes: AVE (6.21: 6.25) Ref. (6.00: 6.18) of THPFF4A
2023_March_09_172845.cgm 4-ANPP

Data Filename	THPFF4A 2023_March_09_172845
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-9-23-1
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	5
Sample Name	THPFF4A
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Thu Mar 09 17:42:43 2023
Date Processed	Mon Mar 20 09:42:16 2023



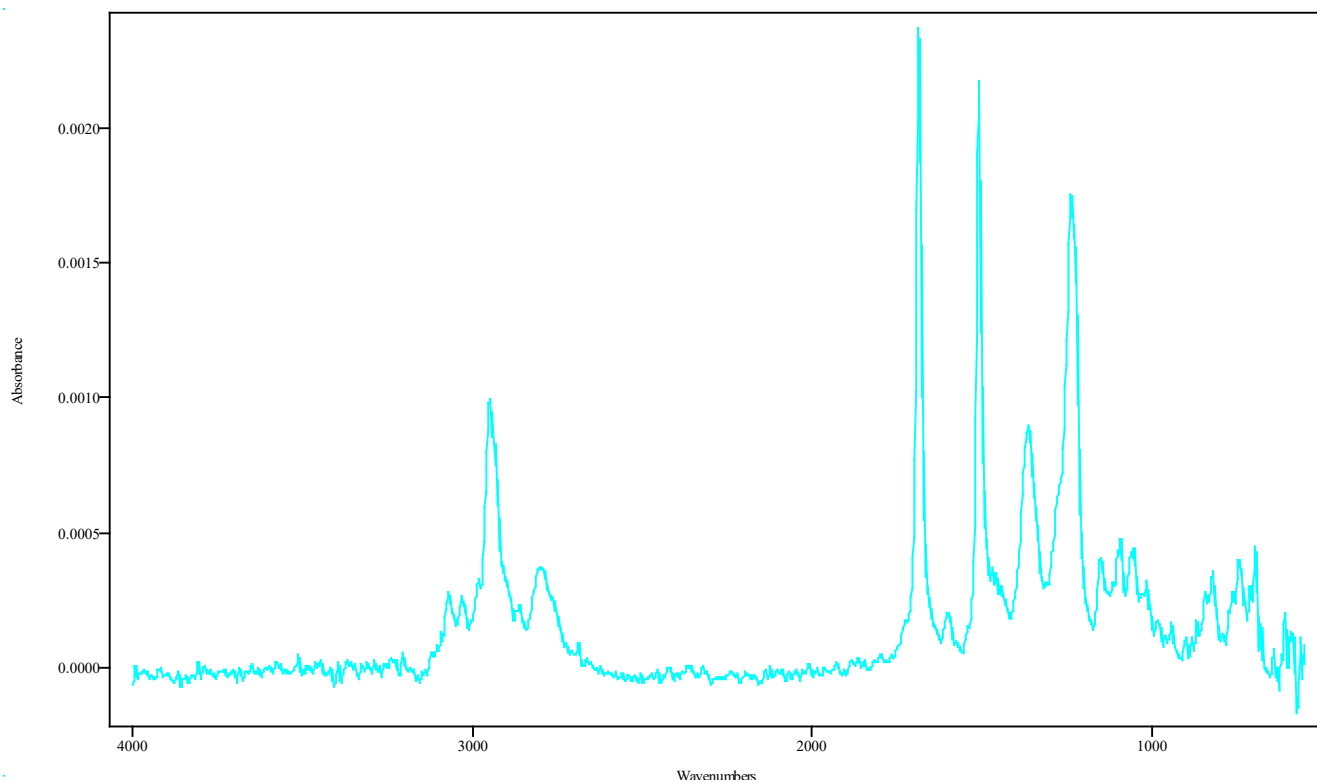
IRDATA.SPC: 7.42 minutes: AVE (7.38: 7.45) Ref. (7.02: 7.32) of THPFF4A
2023_March_09_172845.cgm Heroin

Data Filename	THPFF4A 2023_March_09_172845
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-9-23-1
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	5
Sample Name	THPFF4A
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Thu Mar 09 17:42:43 2023
Date Processed	Mon Mar 20 09:42:16 2023



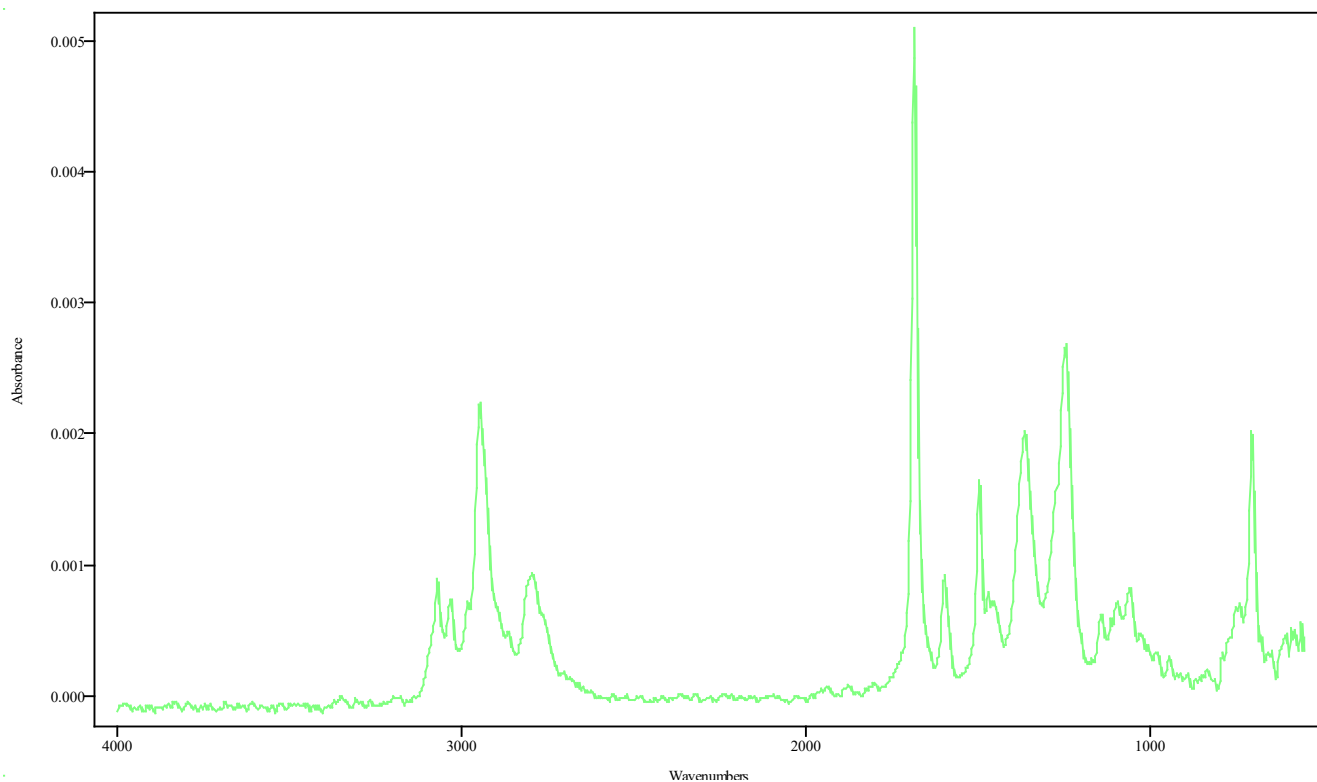
IRDATA.SPC: 7.73 minutes: AVE (7.68: 7.76) Ref. (7.02: 7.32) of THPFF4A
2023_March_09_172845.cgm Acetylfentanyl

Data Filename	THPFF4A 2023_March_09_172845
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-9-23-1
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	5
Sample Name	THPFF4A
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Thu Mar 09 17:42:43 2023
Date Processed	Mon Mar 20 09:42:16 2023



IRDATA.SPC: 7.89 minutes: AVE (7.85: 7.92) Ref. (7.02: 7.32) of THPFF4A
2023_March_09_172845.cgm Para-fluorofentanyl

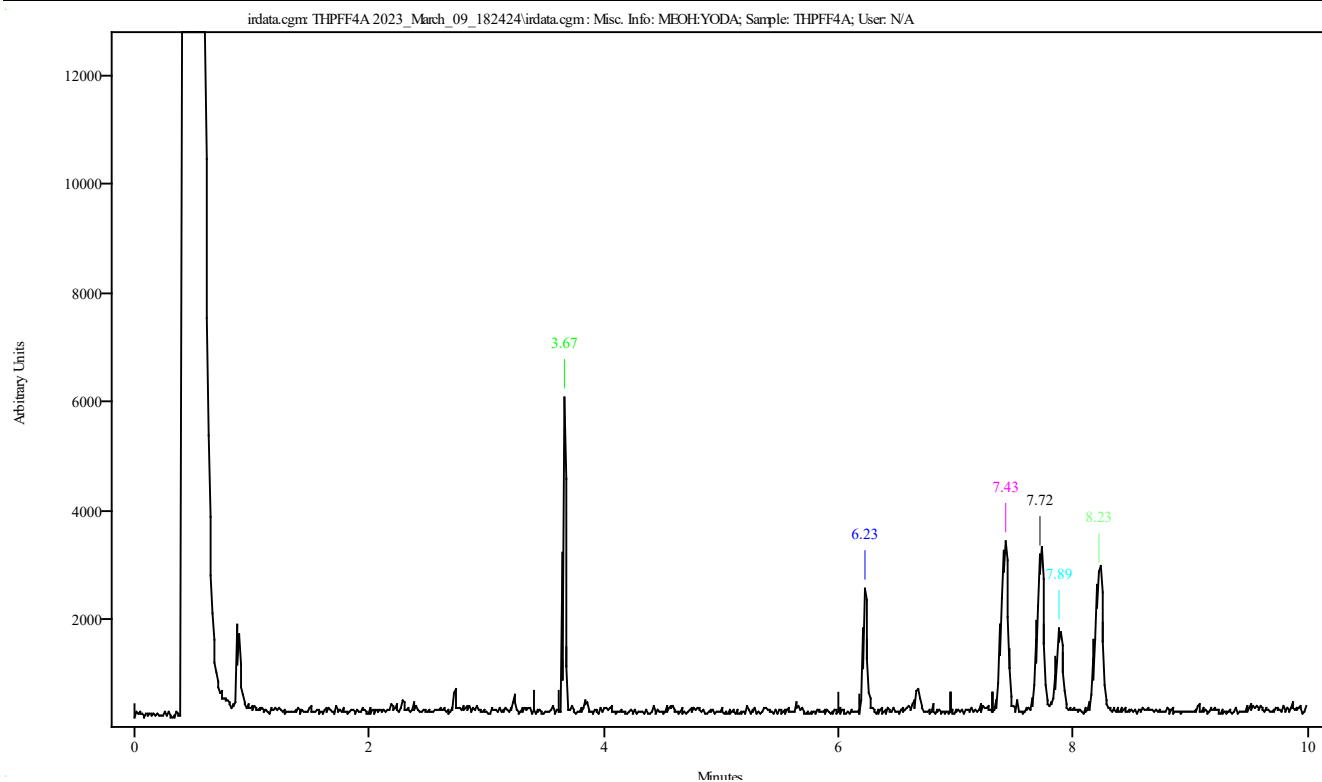
Data Filename	THPFF4A 2023_March_09_172845
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-9-23-1
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	5
Sample Name	THPFF4A
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Thu Mar 09 17:42:43 2023
Date Processed	Mon Mar 20 09:42:16 2023



IRDATA.SPC: 8.23 minutes: AVE (8.18: 8.26) Ref. (7.02: 7.32) of THPFF4A
2023_March_09_172845.cgm Fentanyl

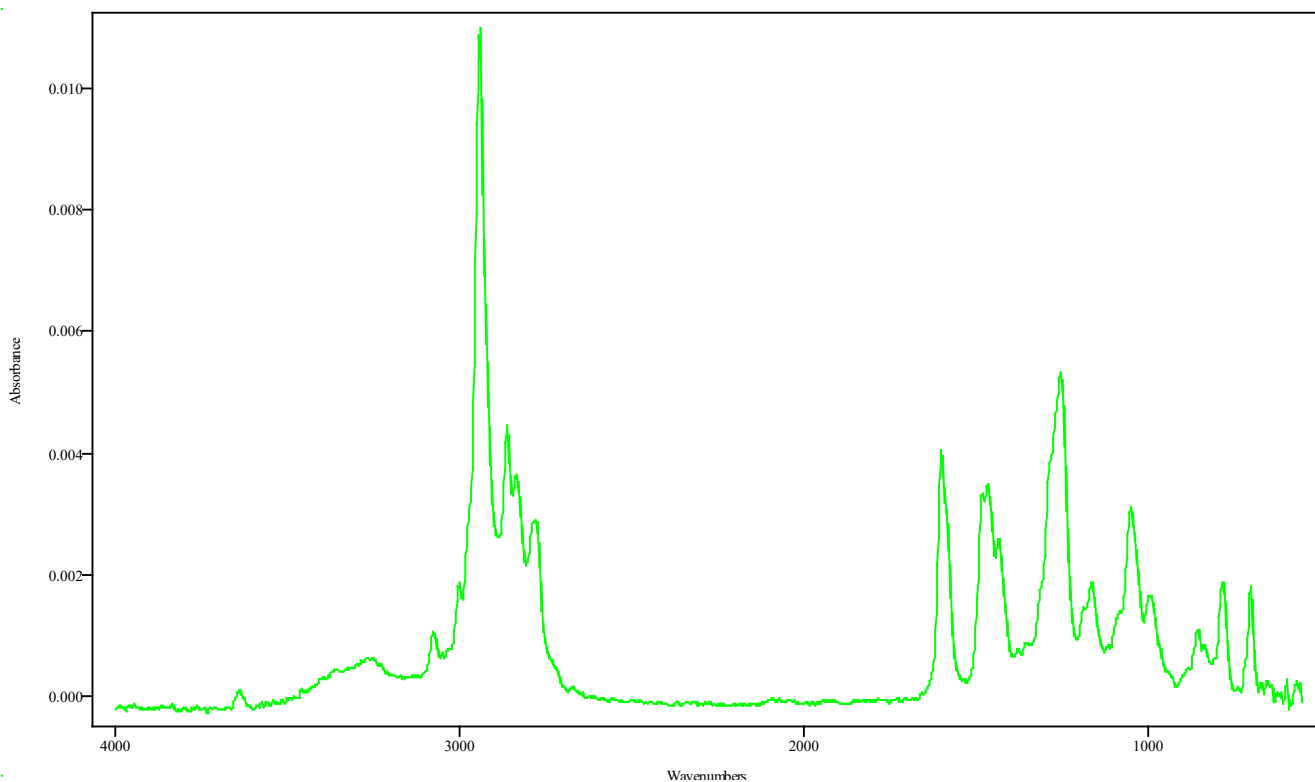
IRD Data Analysis Report

Data Filename	THPFF4A 2023_March_09_182424
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-9-23-1
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	5
Sample Name	THPFF4A
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Thu Mar 09 18:38:18 2023
Date Processed	Mon Mar 20 09:53:30 2023



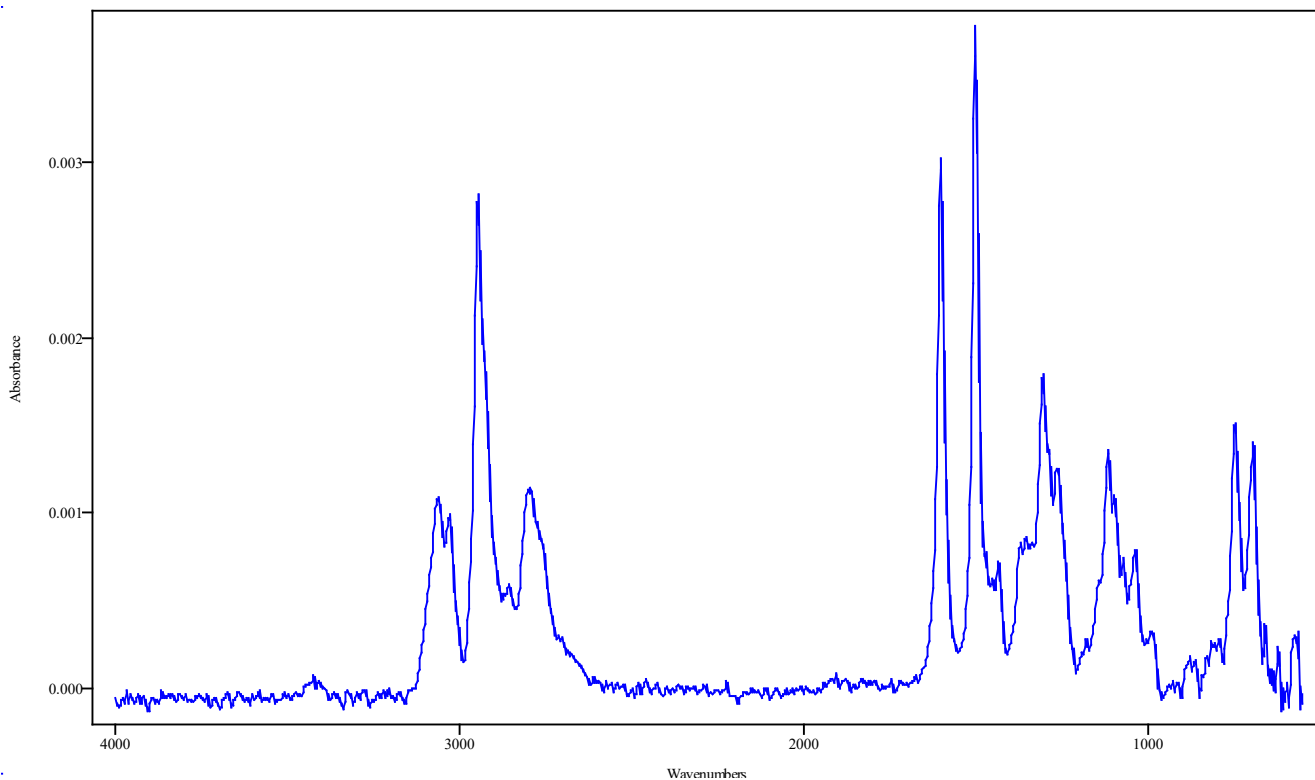
Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.644	3.687	0.044	3.404	3.622
6.207	6.251	0.044	6.000	6.175
7.375	7.462	0.087	6.960	7.309
7.691	7.756	0.065	6.960	7.309
7.855	7.920	0.065	6.960	7.309
8.182	8.258	0.076	6.960	7.309

Data Filename	THPFF4A 2023_March_09_182424
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-9-23-1
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	5
Sample Name	THPFF4A
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Thu Mar 09 18:38:18 2023
Date Processed	Mon Mar 20 09:53:30 2023



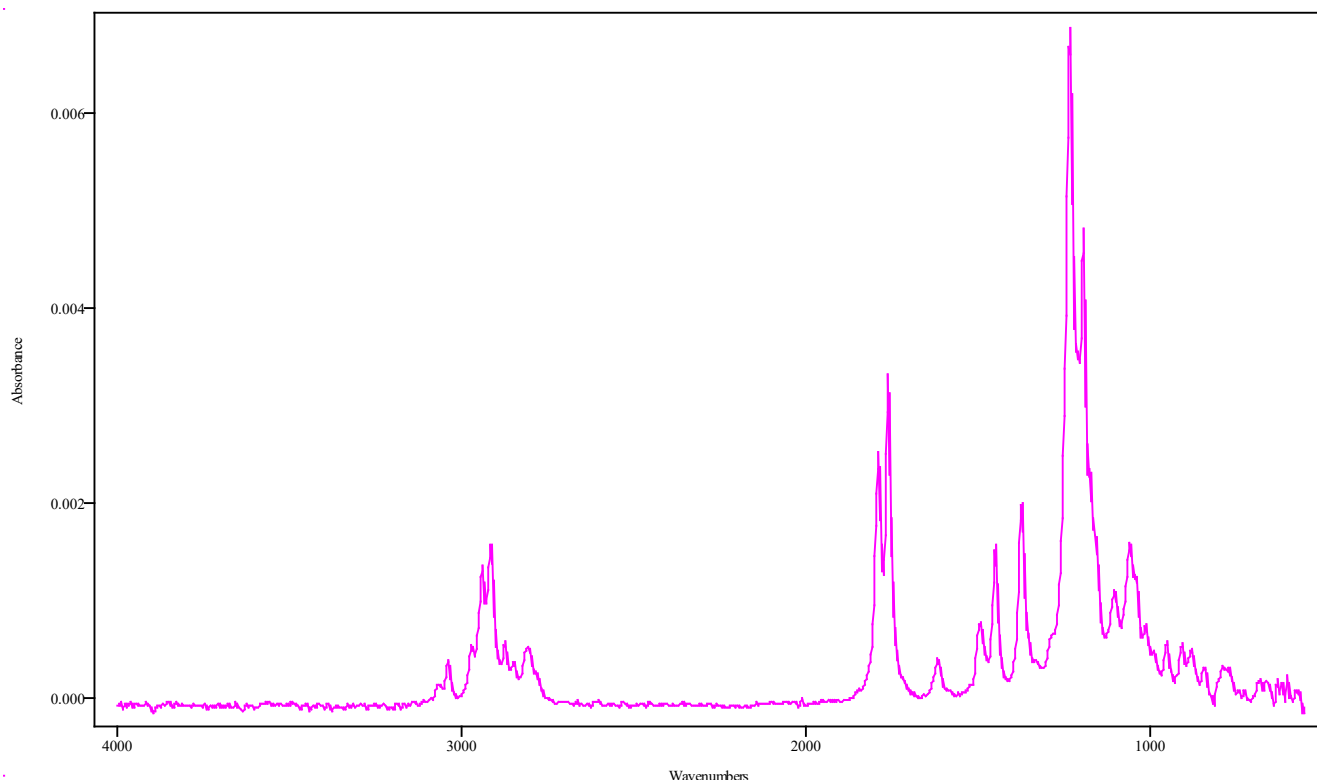
IRDATA.SPC: 3.67 minutes: AVE (3.64: 3.69) Ref. (3.40: 3.62) of THPFF4A
2023_March_09_182424.cgm Tramadol

Data Filename	THPFF4A 2023_March_09_182424
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-9-23-1
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	5
Sample Name	THPFF4A
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Thu Mar 09 18:38:18 2023
Date Processed	Mon Mar 20 09:53:30 2023



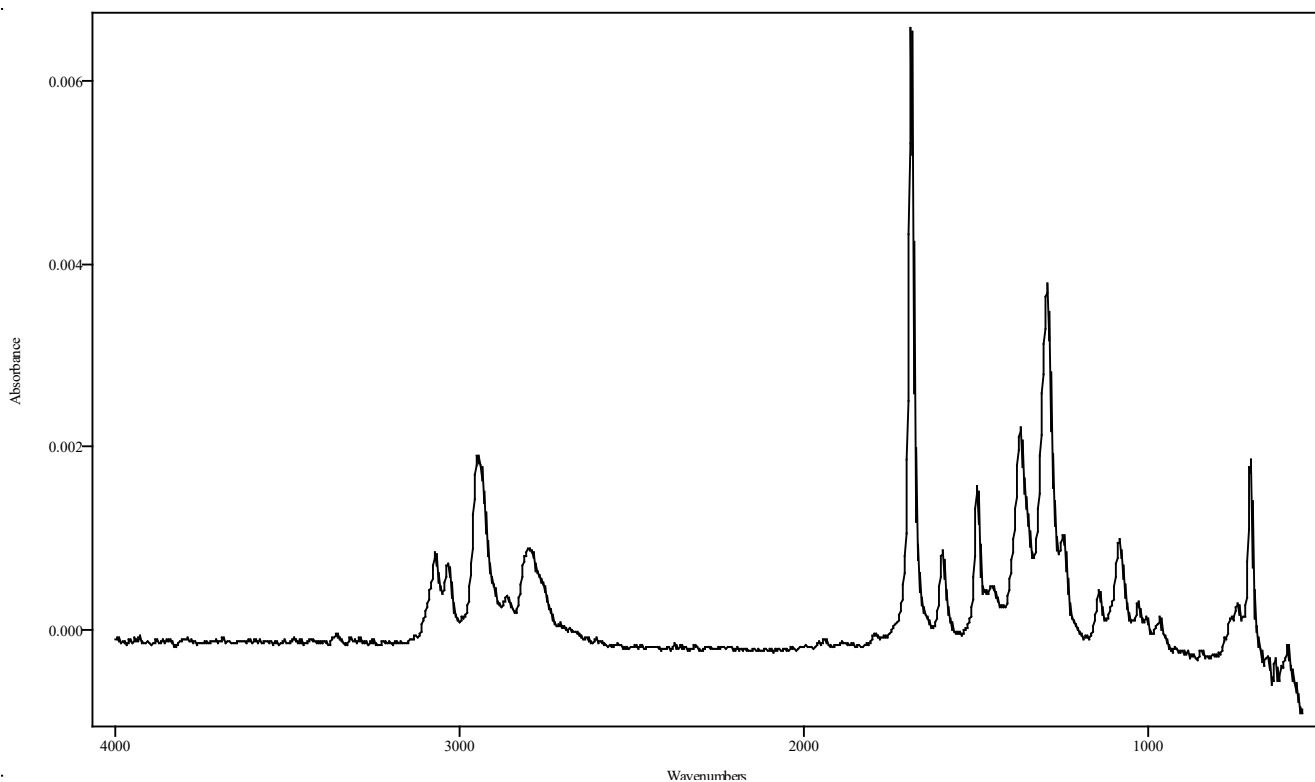
IRDATA.SPC: 6.23 minutes: AVE (6.21: 6.25) Ref. (6.00: 6.17) of THPFF4A
2023_March_09_182424.cgm 4-ANPP

Data Filename	THPFF4A 2023_March_09_182424
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-9-23-1
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	5
Sample Name	THPFF4A
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Thu Mar 09 18:38:18 2023
Date Processed	Mon Mar 20 09:53:30 2023



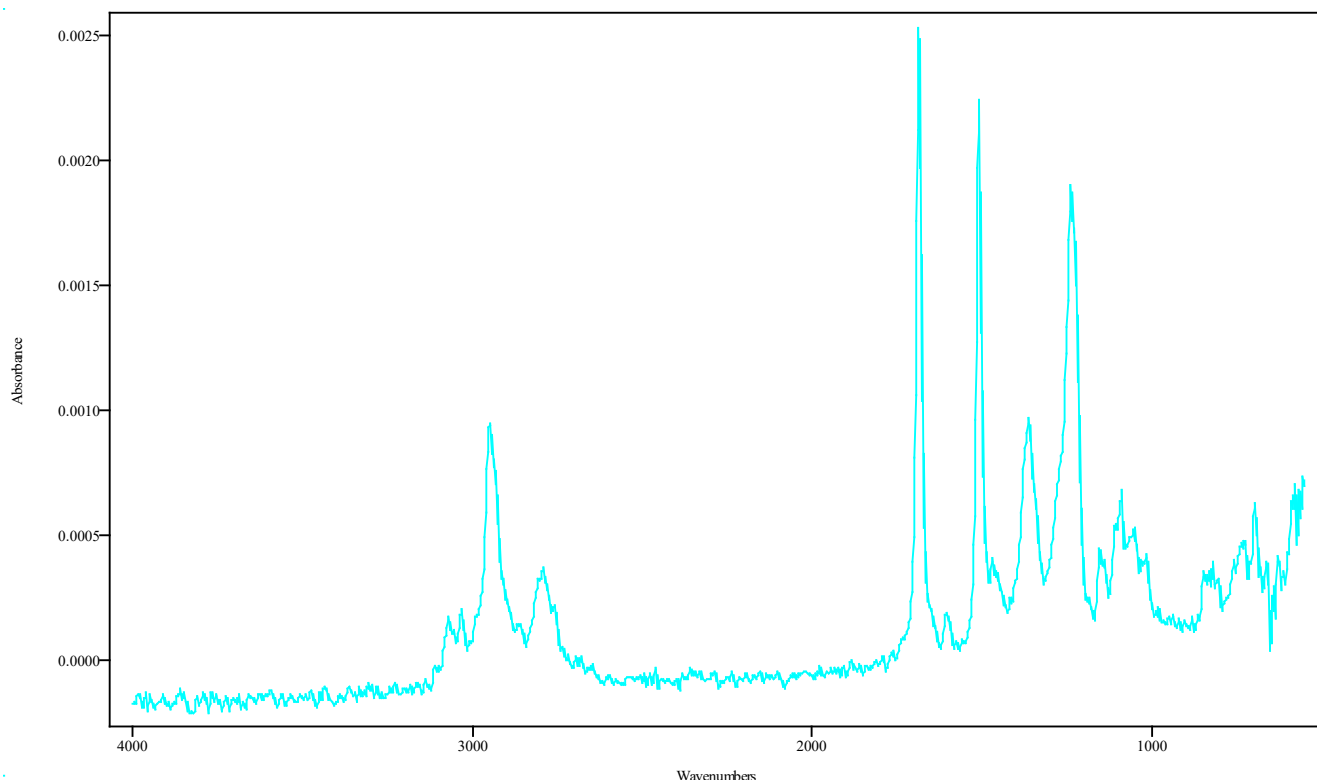
IRDATA.SPC: 7.43 minutes: AVE (7.37: 7.46) Ref. (6.96: 7.31) of THPFF4A
2023_March_09_182424.cgm Heroin

Data Filename	THPFF4A 2023_March_09_182424
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-9-23-1
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	5
Sample Name	THPFF4A
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Thu Mar 09 18:38:18 2023
Date Processed	Mon Mar 20 09:53:30 2023



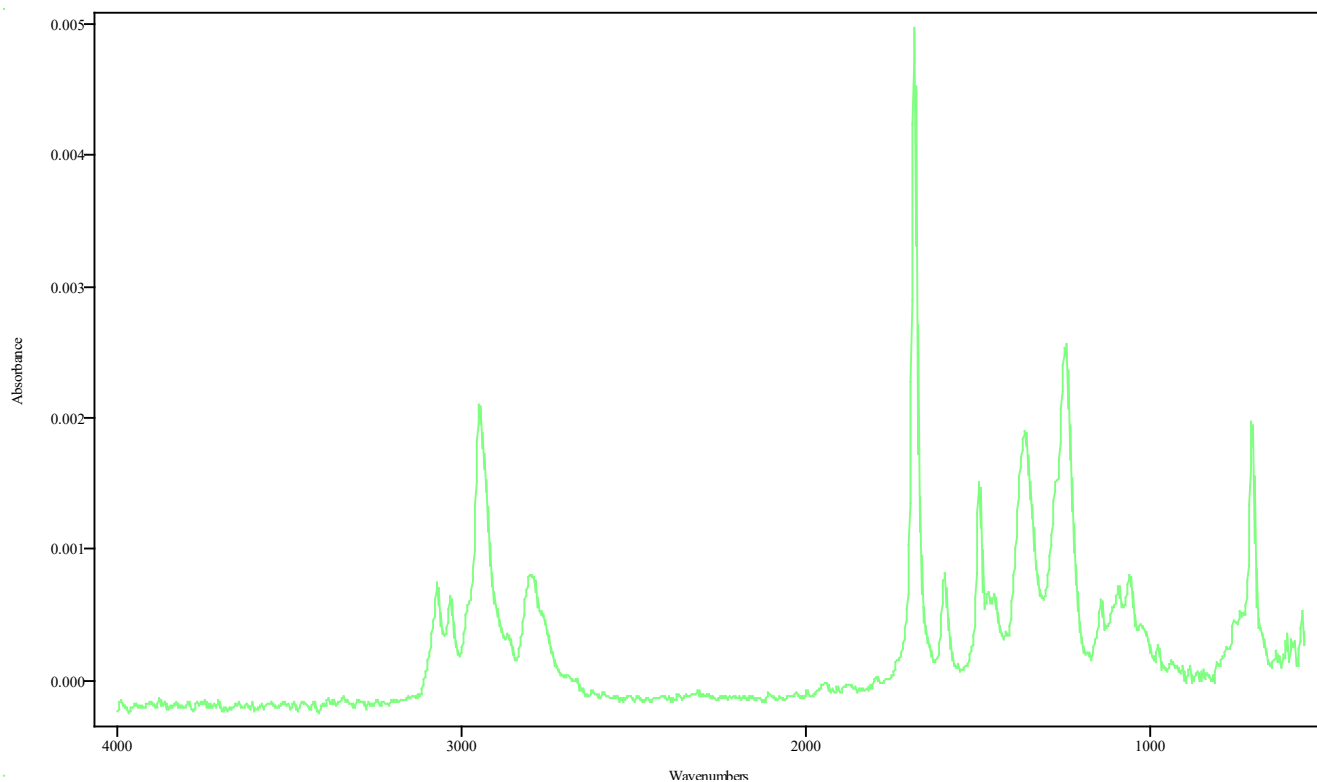
IRDATA.SPC: 7.72 minutes: AVE (7.69: 7.76) Ref. (6.96: 7.31) of THPFF4A
2023_March_09_182424.cgm Acetylfentanyl

Data Filename	THPFF4A 2023_March_09_182424
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-9-23-1
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	5
Sample Name	THPFF4A
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Thu Mar 09 18:38:18 2023
Date Processed	Mon Mar 20 09:53:30 2023



IRDATA.SPC: 7.89 minutes: AVE (7.85: 7.92) Ref. (6.96: 7.31) of THPFF4A
2023_March_09_182424.cgm Para-fluorofentanyl

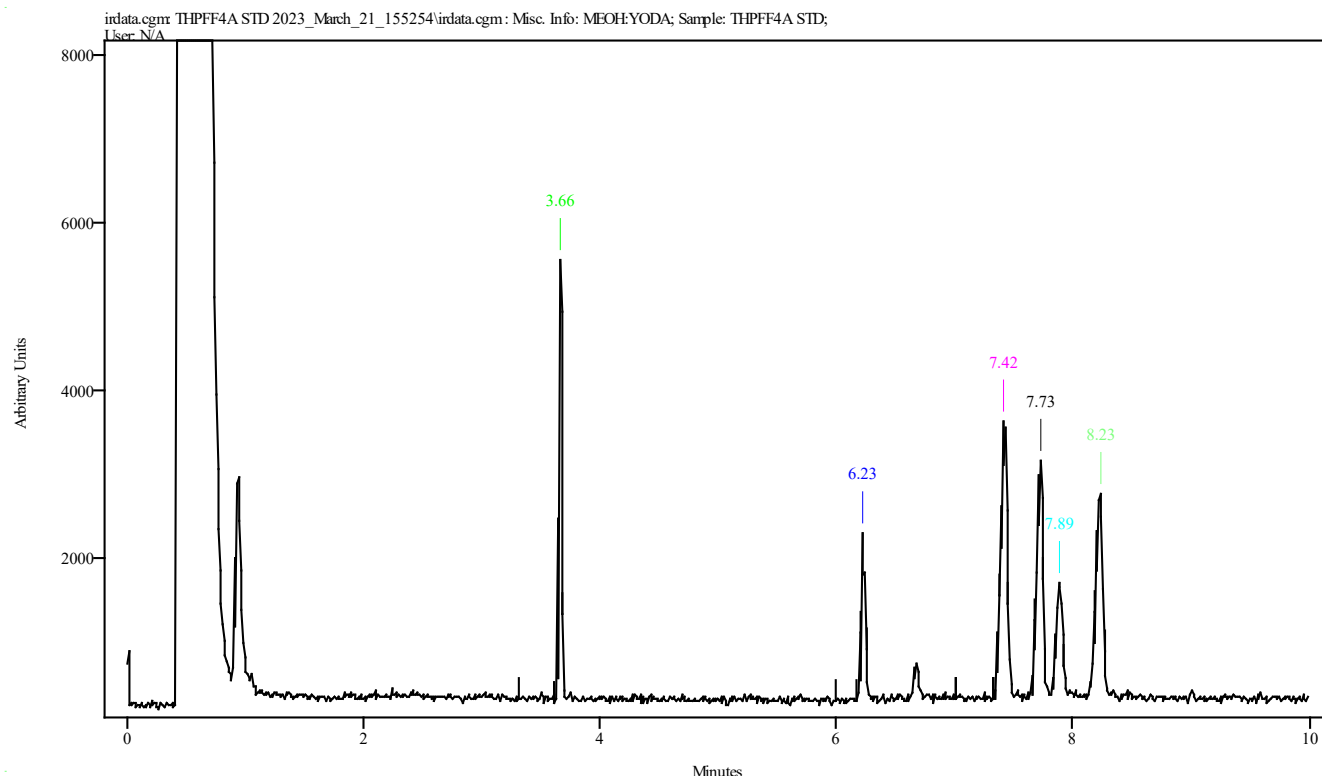
Data Filename	THPFF4A 2023_March_09_182424
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-9-23-1
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	5
Sample Name	THPFF4A
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Thu Mar 09 18:38:18 2023
Date Processed	Mon Mar 20 09:53:30 2023



IRDATA.SPC: 8.23 minutes: AVE (8.18: 8.26) Ref. (6.96: 7.31) of THPFF4A
2023_March_09_182424.cgm Fentanyl

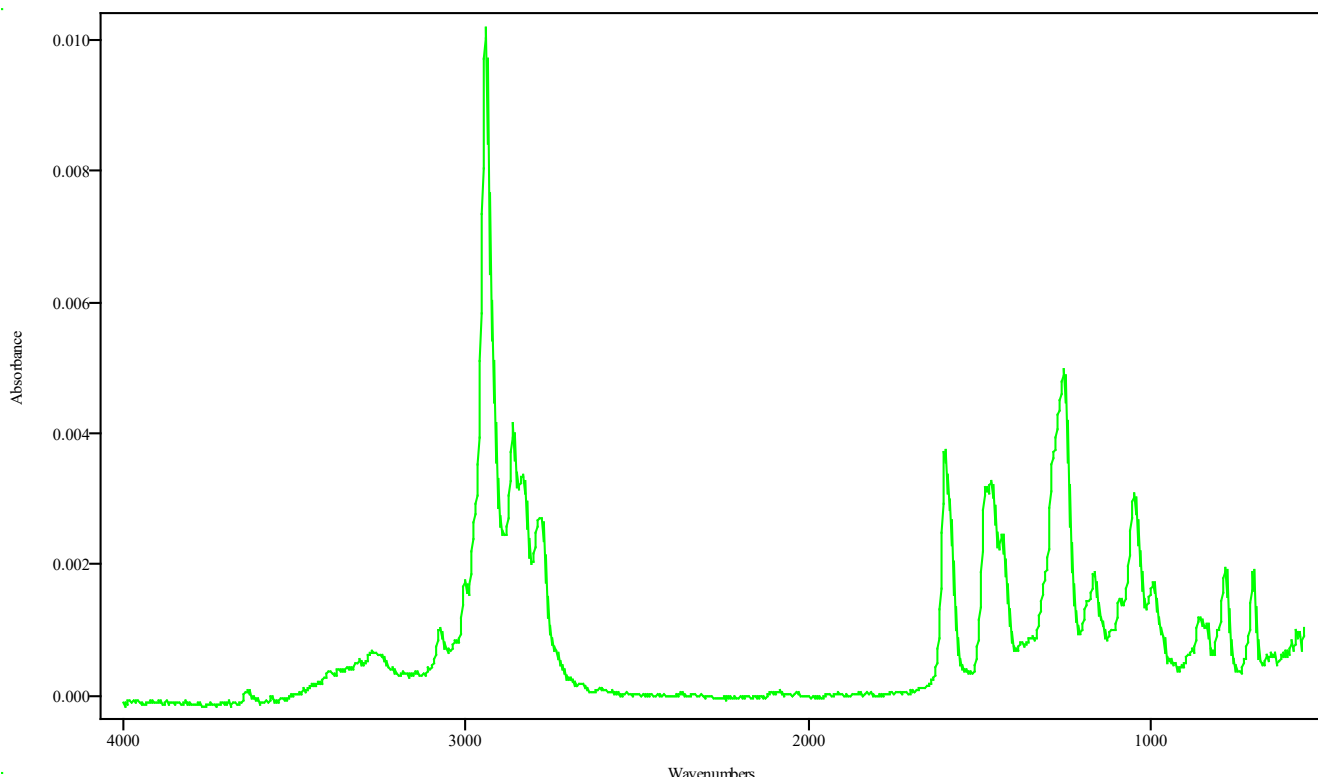
IRD Data Analysis Report

Data Filename	THPFF4A STD 2023_March_21_155254
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-21-23-STDs
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	5
Sample Name	THPFF4A STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Mar 21 16:06:45 2023
Date Processed	Wed Mar 22 11:42:11 2023



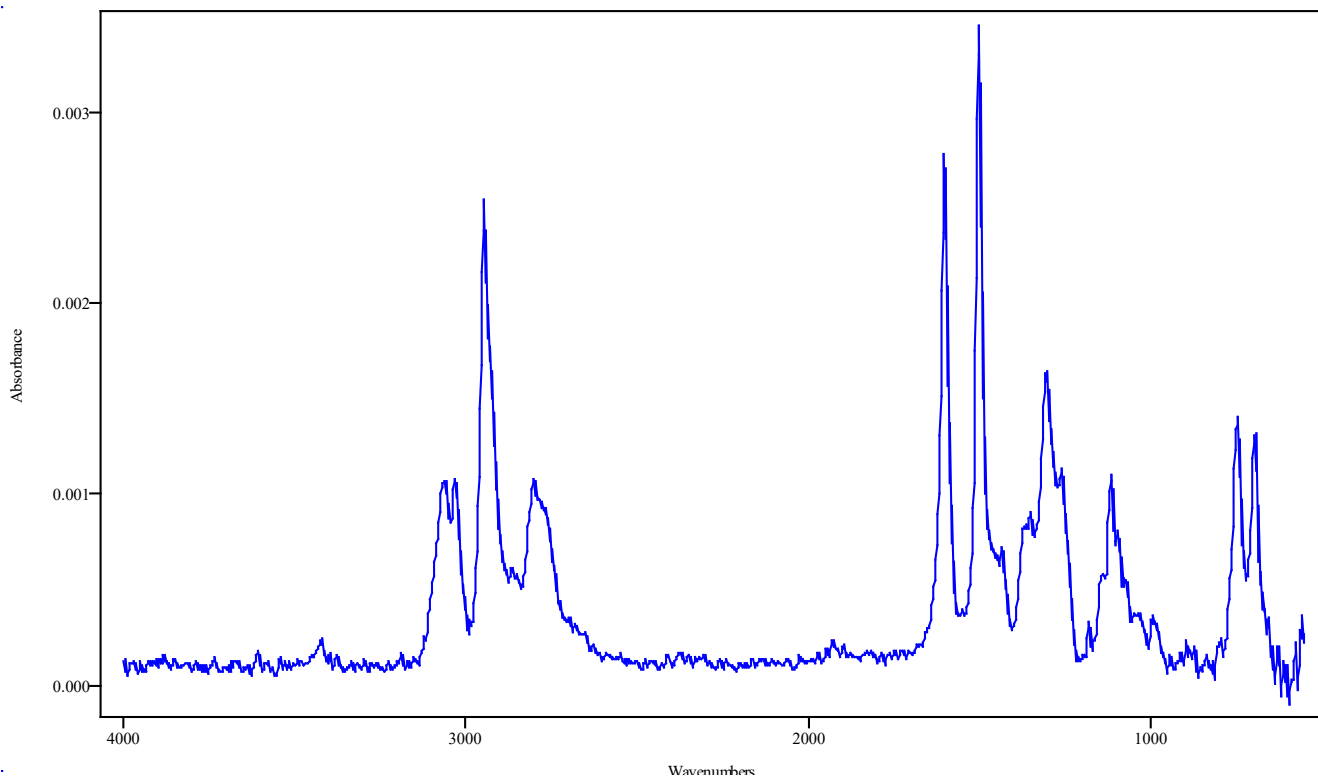
Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.618	3.684	0.066	3.312	3.618
6.209	6.252	0.044	6.001	6.176
7.378	7.455	0.077	7.018	7.324
7.684	7.750	0.066	7.018	7.324
7.848	7.925	0.077	7.018	7.324
8.187	8.264	0.077	7.018	7.324

Data Filename	THPFF4A STD 2023_March_21_155254
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-21-23-STDs
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	5
Sample Name	THPFF4A STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Mar 21 16:06:45 2023
Date Processed	Wed Mar 22 11:42:11 2023



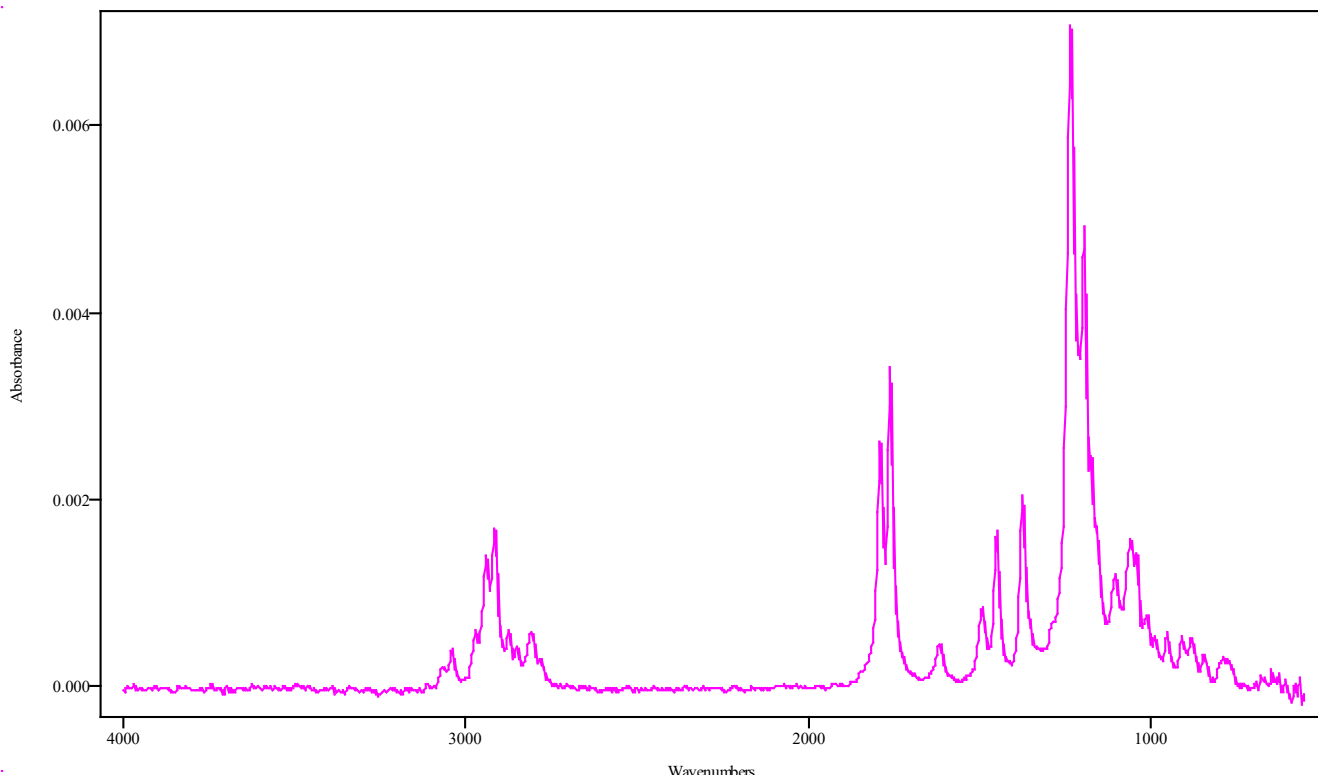
IRDATA.SPC: 3.66 minutes: AVE (3.62: 3.68) Ref. (3.31: 3.62) of THPFF4A STD
2023_March_21_155254.cgm Tramadol

Data Filename	THPFF4A STD 2023_March_21_155254
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-21-23-STDs
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	5
Sample Name	THPFF4A STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Mar 21 16:06:45 2023
Date Processed	Wed Mar 22 11:42:11 2023



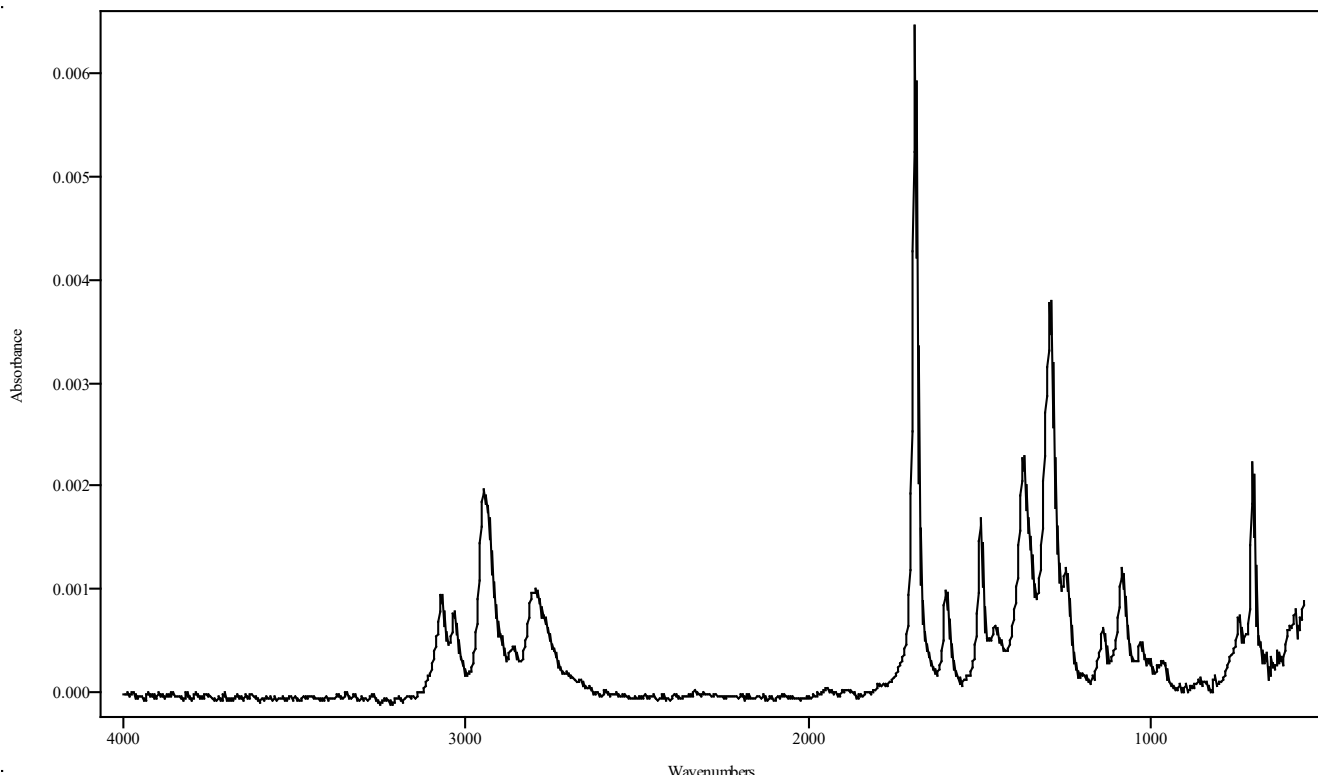
IRDATA.SPC: 6.23 minutes: AVE (6.21: 6.25) Ref. (6.00: 6.18) of THPFF4A STD
2023_March_21_155254.cgm 4-ANPP

Data Filename	THPFF4A STD 2023_March_21_155254
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-21-23-STDs
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	5
Sample Name	THPFF4A STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Mar 21 16:06:45 2023
Date Processed	Wed Mar 22 11:42:11 2023



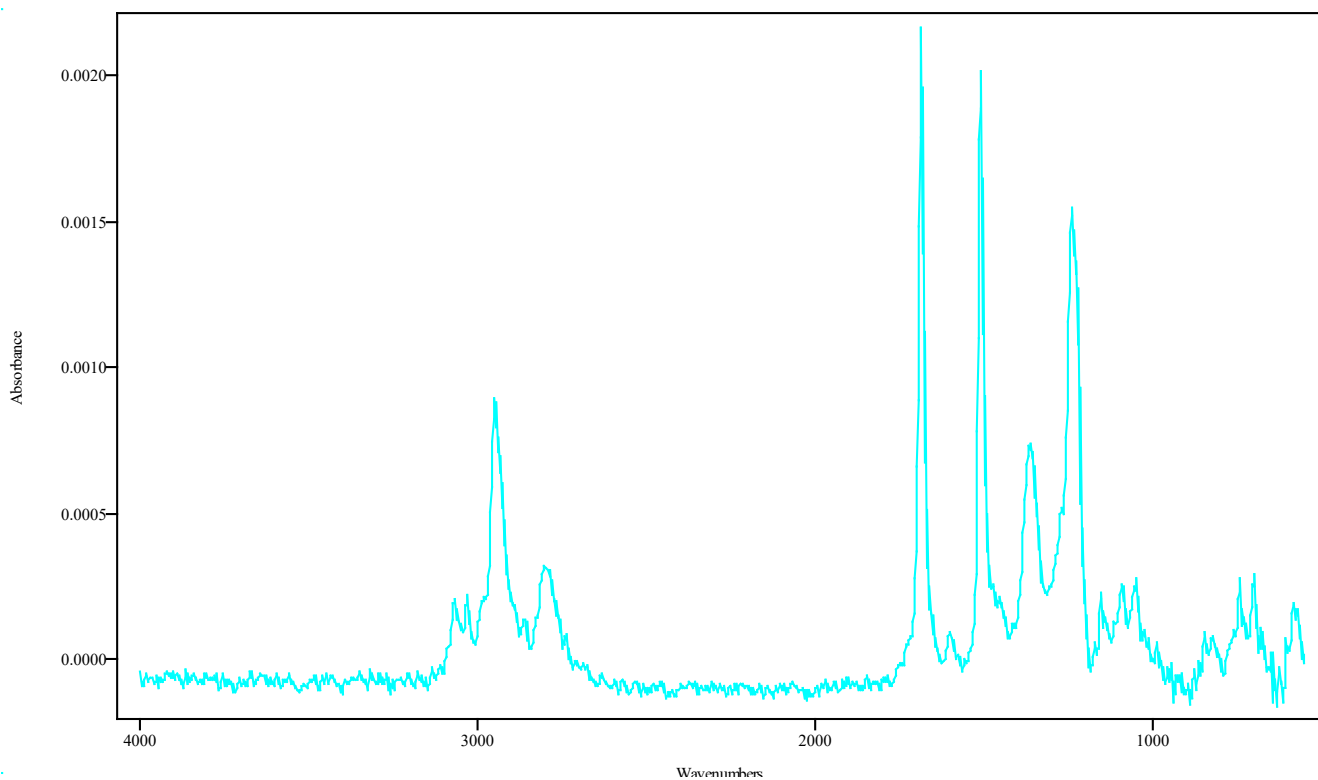
IRDATA.SPC: 7.42 minutes: AVE (7.38: 7.45) Ref. (7.02: 7.32) of THPFF4A STD
2023_March_21_155254.cgm Heroin

Data Filename	THPFF4A STD 2023_March_21_155254
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-21-23-STDs
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	5
Sample Name	THPFF4A STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Mar 21 16:06:45 2023
Date Processed	Wed Mar 22 11:42:11 2023



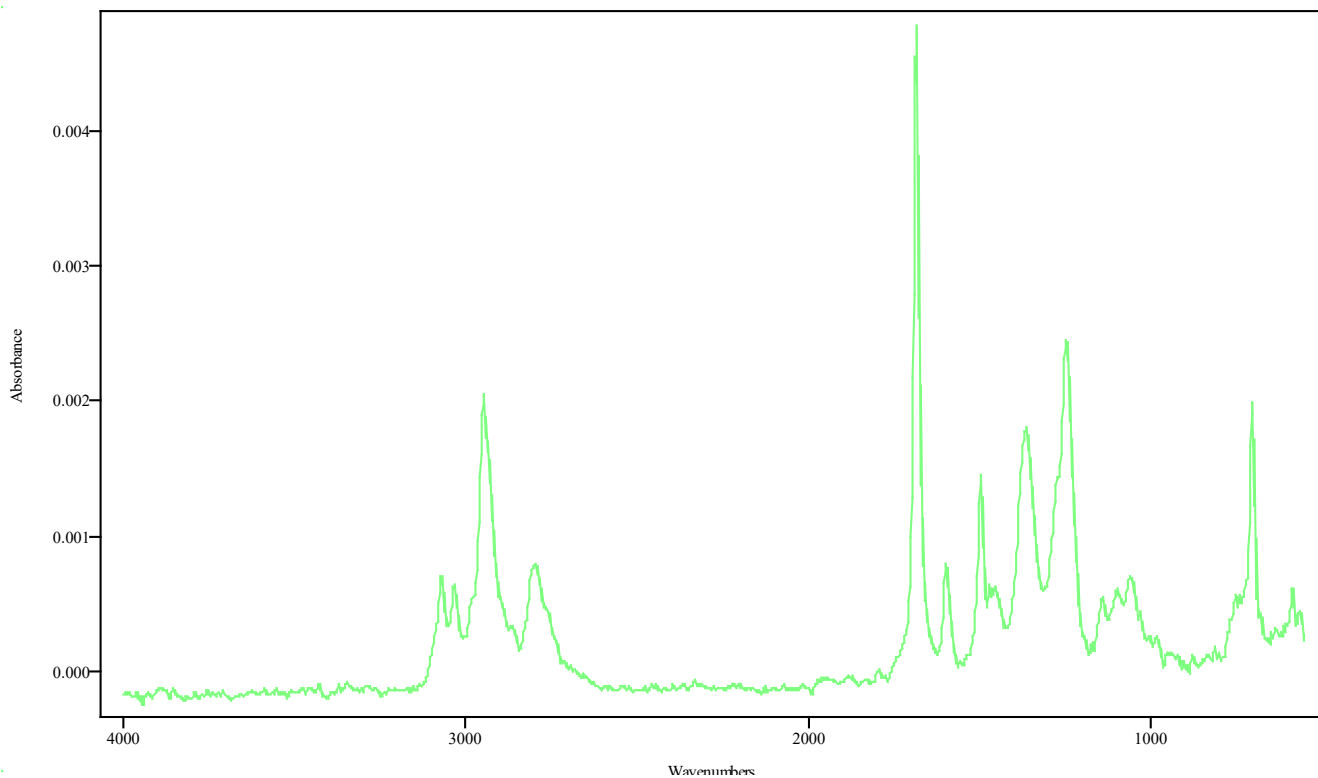
IRDATA.SPC: 7.73 minutes: AVE (7.68: 7.75) Ref. (7.02: 7.32) of THPFF4A STD
2023_March_21_155254.cgm Acetylfentanyl

Data Filename	THPFF4A STD 2023_March_21_155254
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-21-23-STDs
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	5
Sample Name	THPFF4A STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Mar 21 16:06:45 2023
Date Processed	Wed Mar 22 11:42:11 2023



IRDATA.SPC: 7.89 minutes: AVE (7.85: 7.92) Ref. (7.02: 7.32) of THPFF4A STD
2023_March_21_155254.cgm Para-fluorofentanyl

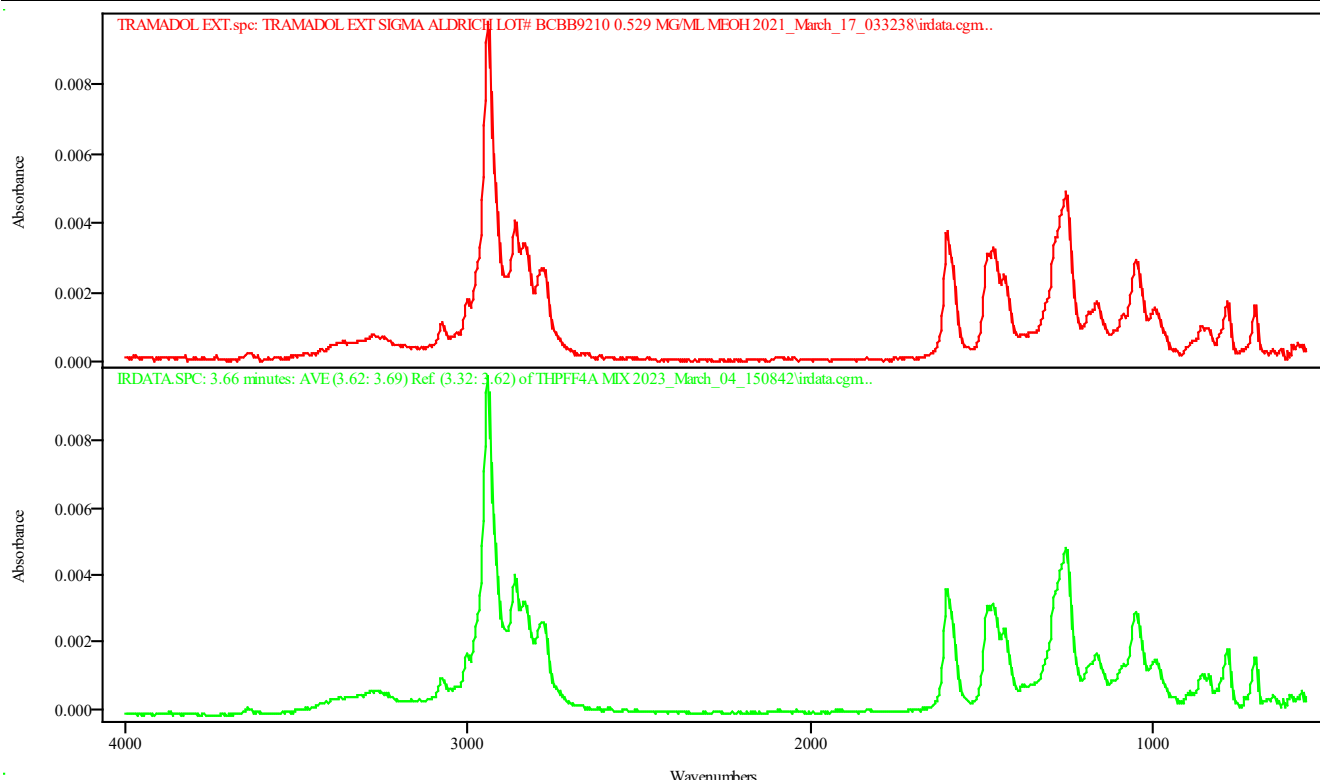
Data Filename	THPFF4A STD 2023_March_21_155254
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-21-23-STDs
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	5
Sample Name	THPFF4A STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Mar 21 16:06:45 2023
Date Processed	Wed Mar 22 11:42:11 2023



IRDATA.SPC: 8.23 minutes: AVE (8.19: 8.26) Ref. (7.02: 7.32) of THPFF4A STD
2023_March_21_155254.cgm Fentanyl

IRD Data Analysis Report

Data Filename	THPFF4A MIX 2023_March_04_150842
Data Path	C:/ASAP DATA/YODA 2023/Validation/Split methods-3-4-23-1
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	5
Sample Name	THPFF4A MIX
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Sat Mar 04 15:22:34 2023
Date Processed	Mon Apr 03 10:32:45 2023

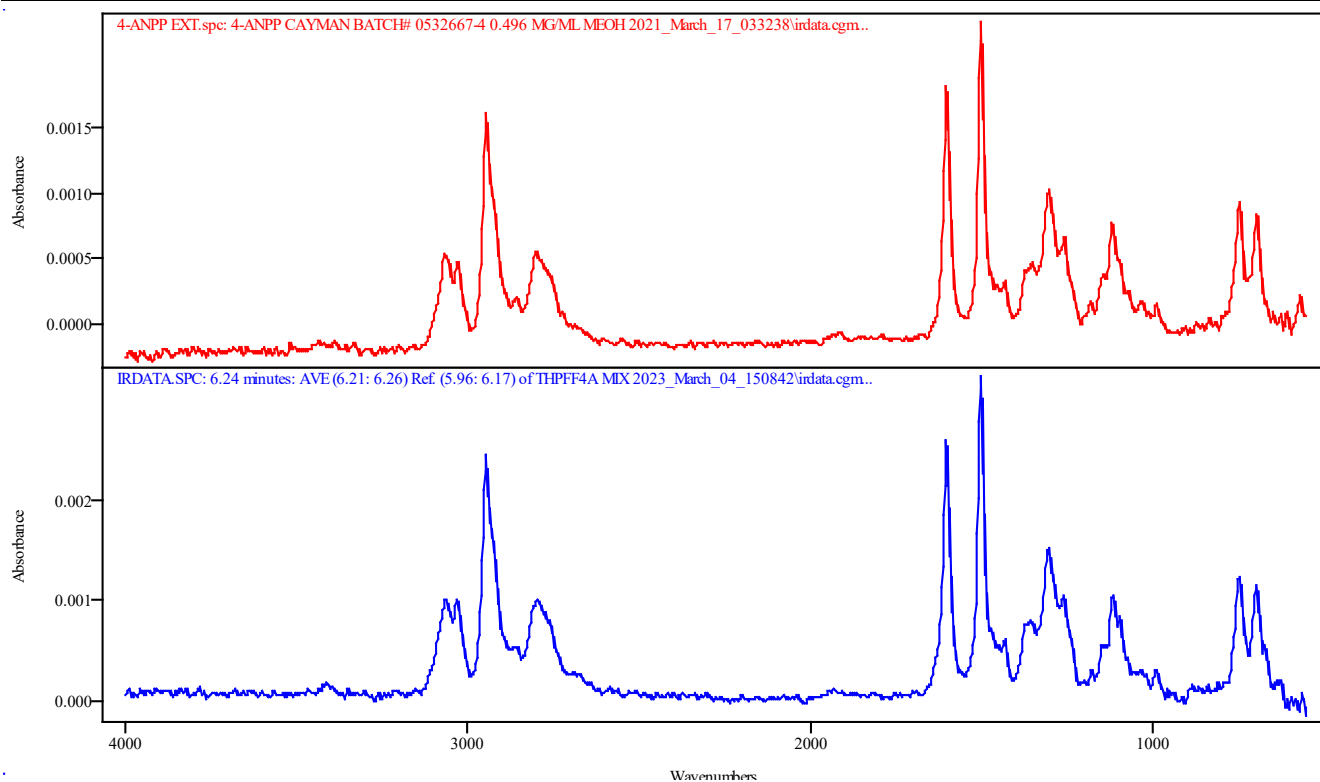


IRDATA.SPC: 3.66 minutes: AVE (3.62: 3.69) Ref. (3.32: 3.62) of THPFF4A MIX
2023_March_04_150842.cgm

TRAMADOL EXT.spc: TRAMADOL EXT SIGMA ALDRICH LOT# BCBB9210 0.529 MG/ML MEOH
2021_March_17_033238\irdata.cgm

IRD Data Analysis Report

Data Filename	THPFF4A MIX 2023_March_04_150842
Data Path	C:/ASAP DATA/YODA 2023/Validation/Split methods-3-4-23-1
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	5
Sample Name	THPFF4A MIX
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Sat Mar 04 15:22:34 2023
Date Processed	Mon Apr 03 10:33:39 2023

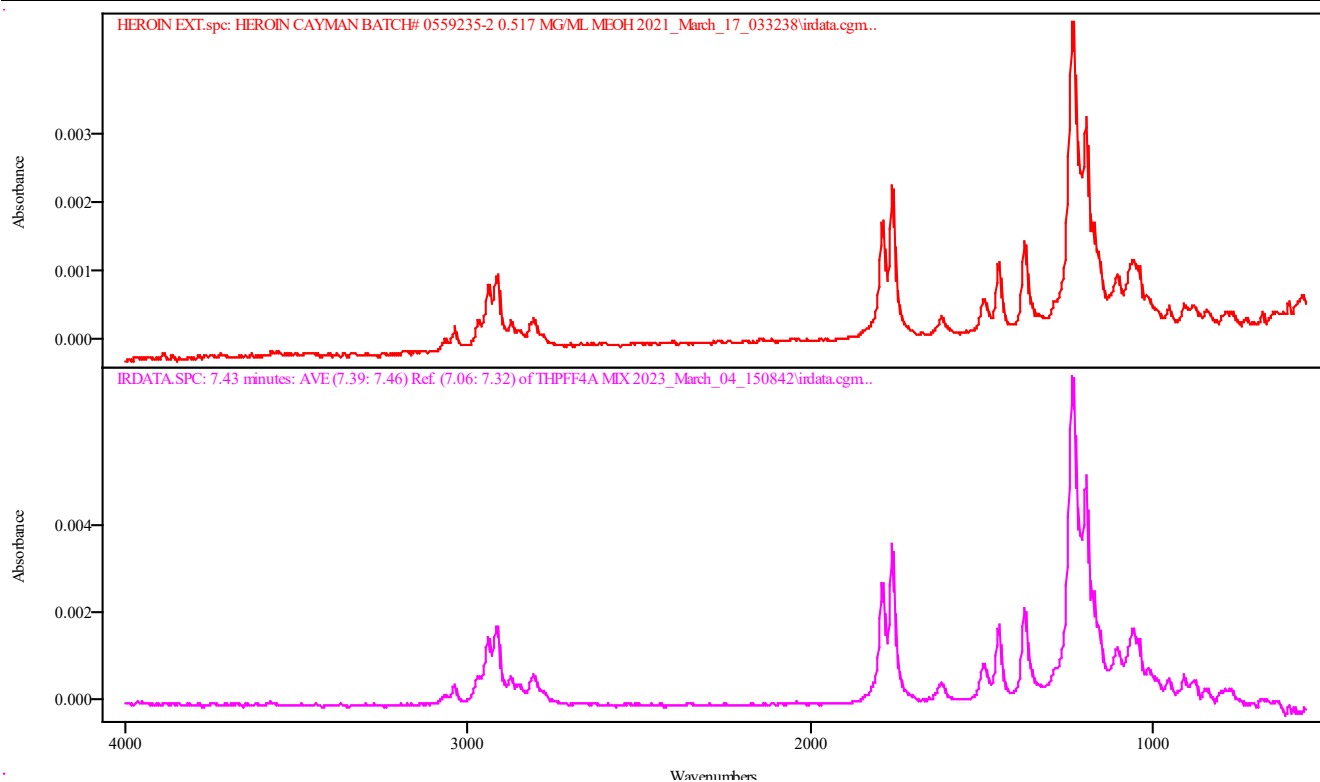


IRDATA.SPC: 6.24 minutes: AVE (6.21: 6.26) Ref. (5.96: 6.17) of THPFF4A MIX
2023_March_04_150842.cgm

4-ANPP EXT.spc: 4-ANPP CAYMAN BATCH# 0532667-4 0.496 MG/ML MEOH
2021_March_17_033238\irdata.cgm

IRD Data Analysis Report

Data Filename	THPFF4A MIX 2023_March_04_150842
Data Path	C:/ASAP DATA/YODA 2023/Validation/Split methods-3-4-23-1
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	5
Sample Name	THPFF4A MIX
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Sat Mar 04 15:22:34 2023
Date Processed	Mon Apr 03 10:34:16 2023

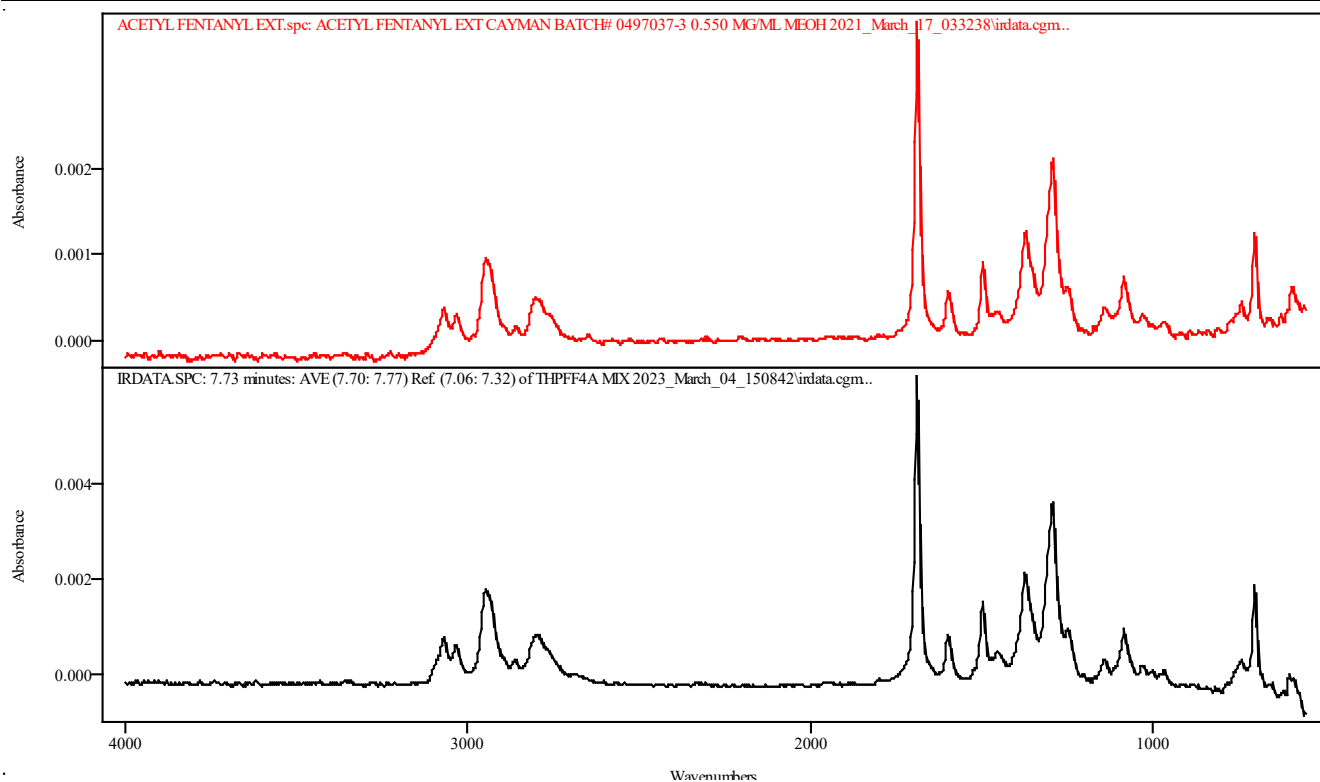


IRDATA.SPC: 7.43 minutes: AVE (7.39: 7.46) Ref. (7.06: 7.32) of THPFF4A MIX
2023_March_04_150842.cgm

HEROIN EXT.spc: HEROIN CAYMAN BATCH# 0559235-2 0.517 MG/ML MEOH
2021_March_17_033238\irdata.cgm

IRD Data Analysis Report

Data Filename	THPFF4A MIX 2023_March_04_150842
Data Path	C:/ASAP DATA/YODA 2023/Validation/Split methods-3-4-23-1
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	5
Sample Name	THPFF4A MIX
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Sat Mar 04 15:22:34 2023
Date Processed	Mon Apr 03 10:42:45 2023

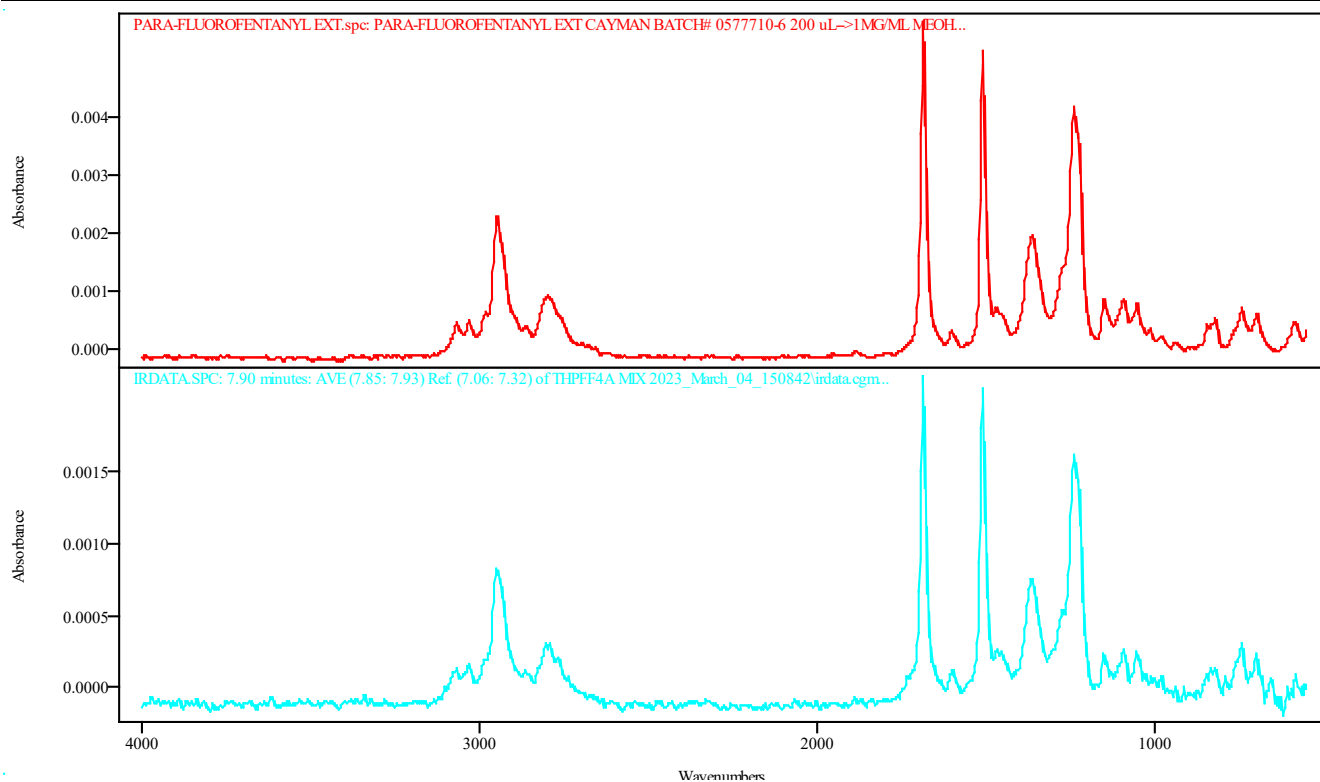


IRDATA.SPC: 7.73 minutes: AVE (7.70: 7.77) Ref. (7.06: 7.32) of THPFF4A MIX
2023_March_04_150842.cgm

ACETYL FENTANYL EXT.spc: ACETYL FENTANYL EXT CAYMAN BATCH# 0497037-3 0.550
MG/ML MEOH 2021_March_17_033238\irdata.cgm

IRD Data Analysis Report

Data Filename	THPFF4A MIX 2023_March_04_150842
Data Path	C:/ASAP DATA/YODA 2023/Validation/Split methods-3-4-23-1
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	5
Sample Name	THPFF4A MIX
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Sat Mar 04 15:22:34 2023
Date Processed	Mon Apr 03 10:44:51 2023

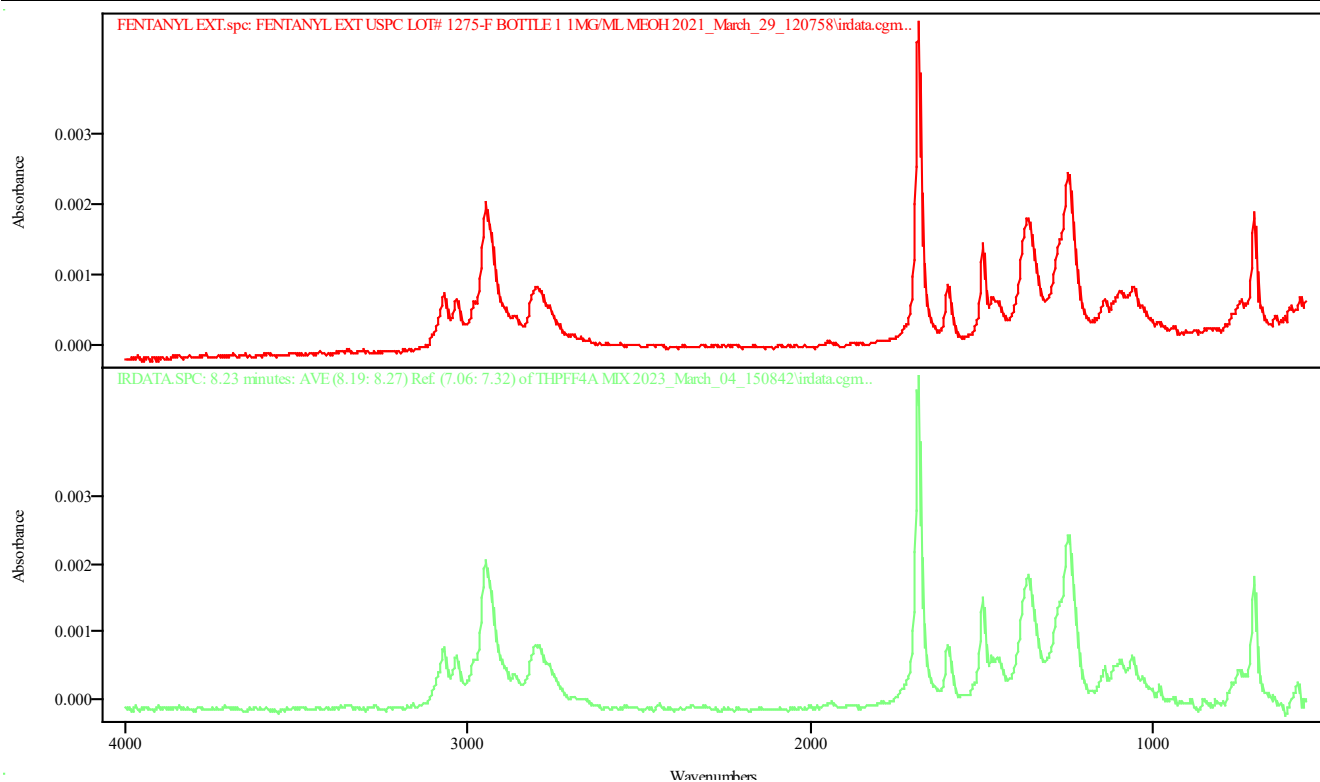


IRDATA.SPC: 7.90 minutes: AVE (7.85: 7.93) Ref. (7.06: 7.32) of THPFF4A MIX
2023_March_04_150842.cgm

PARA-FLUOROFENTANYL EXT.spc: PARA-FLUOROFENTANYL EXT CAYMAN BATCH#
0577710-6 200 uL-->1MG/ML MEOH 2021_April_19_233049\irdata.cgm

IRD Data Analysis Report

Data Filename	THPFF4A MIX 2023_March_04_150842
Data Path	C:/ASAP DATA/YODA 2023/Validation/Split methods-3-4-23-1
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	5
Sample Name	THPFF4A MIX
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Sat Mar 04 15:22:34 2023
Date Processed	Mon Apr 03 10:45:31 2023

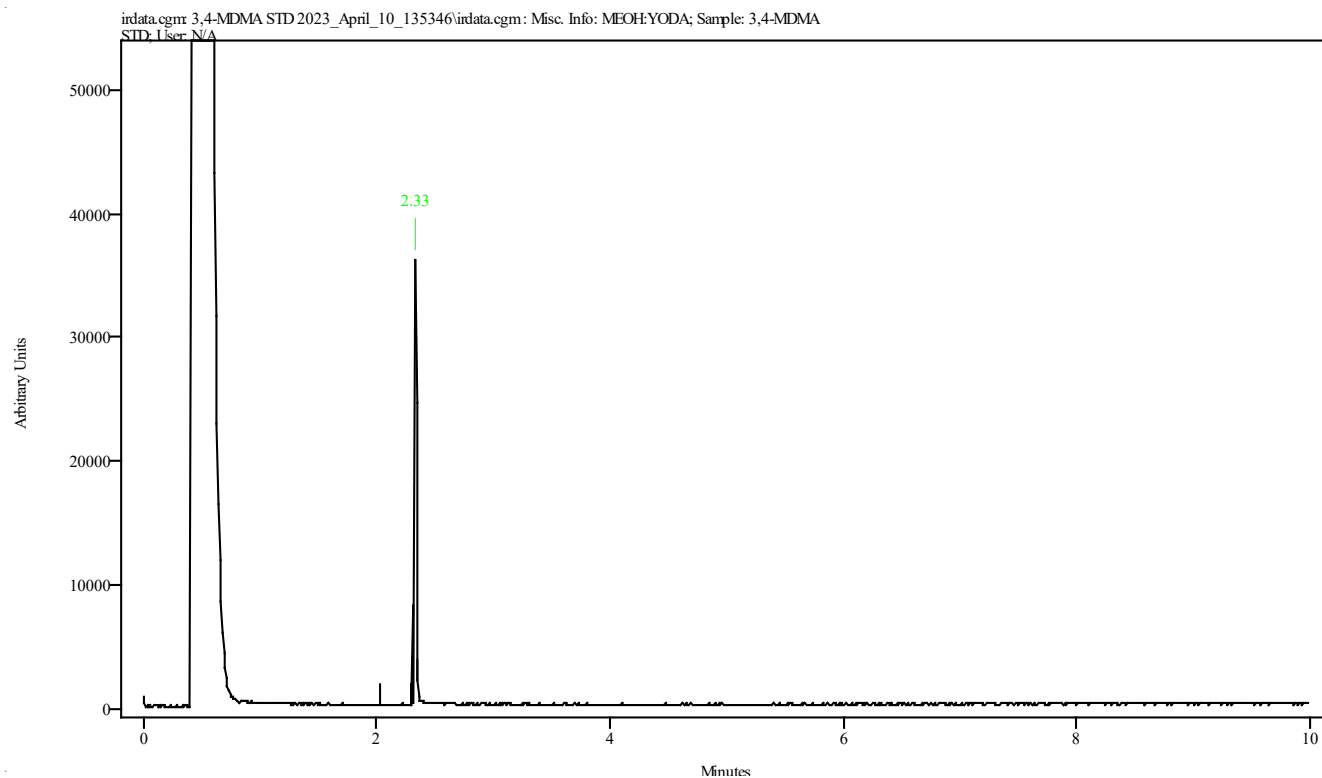


IRDATA.SPC: 8.23 minutes: AVE (8.19: 8.27) Ref. (7.06: 7.32) of THPFF4A MIX
2023_March_04_150842.cgm

FENTANYL EXT.spc: FENTANYL EXT USPC LOT# 1275-F BOTTLE 1 1MG/ML MEOH
2021_March_29_120758\irdata.cgm

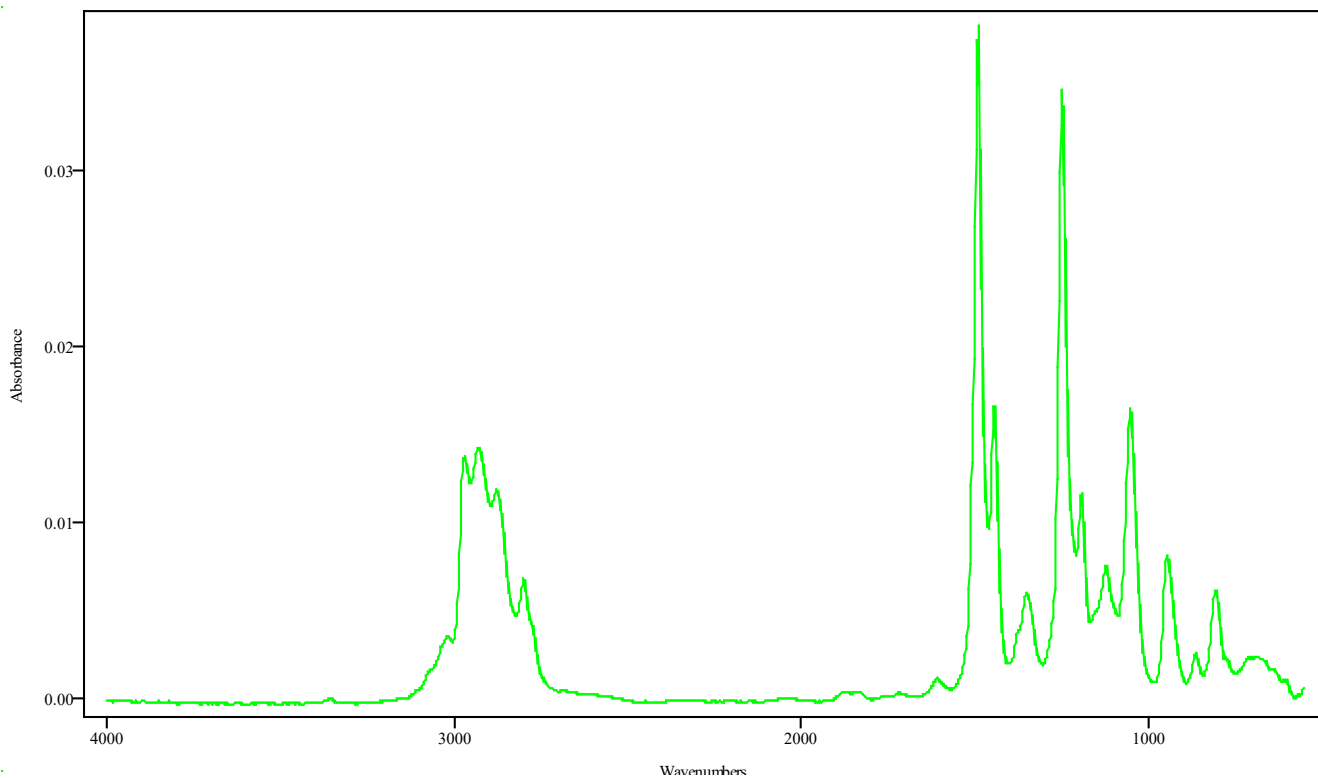
IRD Data Analysis Report

Data Filename	3,4-MDMA STD 2023_April_10_135346
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	4
Sample Name	3,4-MDMA STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 14:07:37 2023
Date Processed	Mon Apr 10 15:09:08 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
2.298	2.353	0.055	2.035	2.298

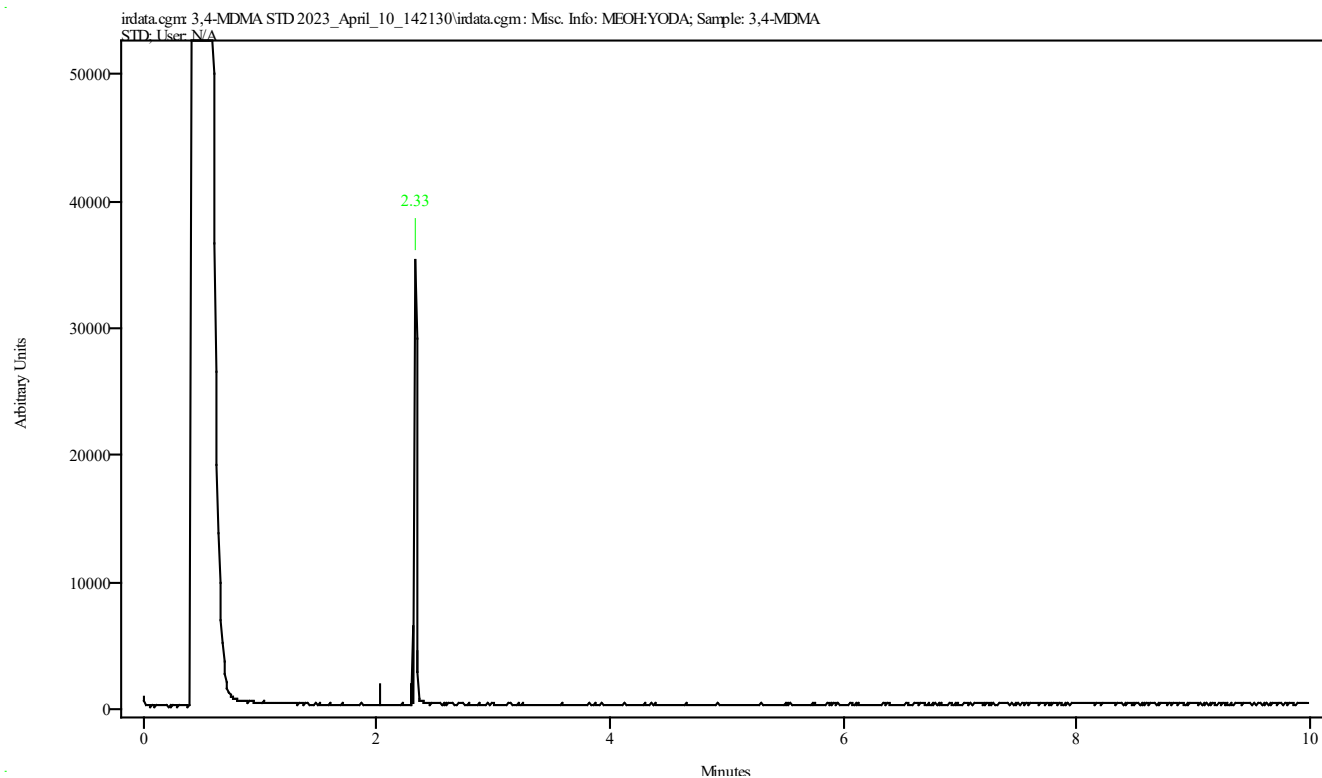
Data Filename	3,4-MDMA STD 2023_April_10_135346
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	4
Sample Name	3,4-MDMA STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 14:07:37 2023
Date Processed	Mon Apr 10 15:09:08 2023



IRDATA.SPC: 2.33 minutes: AVE (2.30: 2.35) Ref. (2.04: 2.30) of 3,4-MDMA STD
2023_April_10_135346.cgm

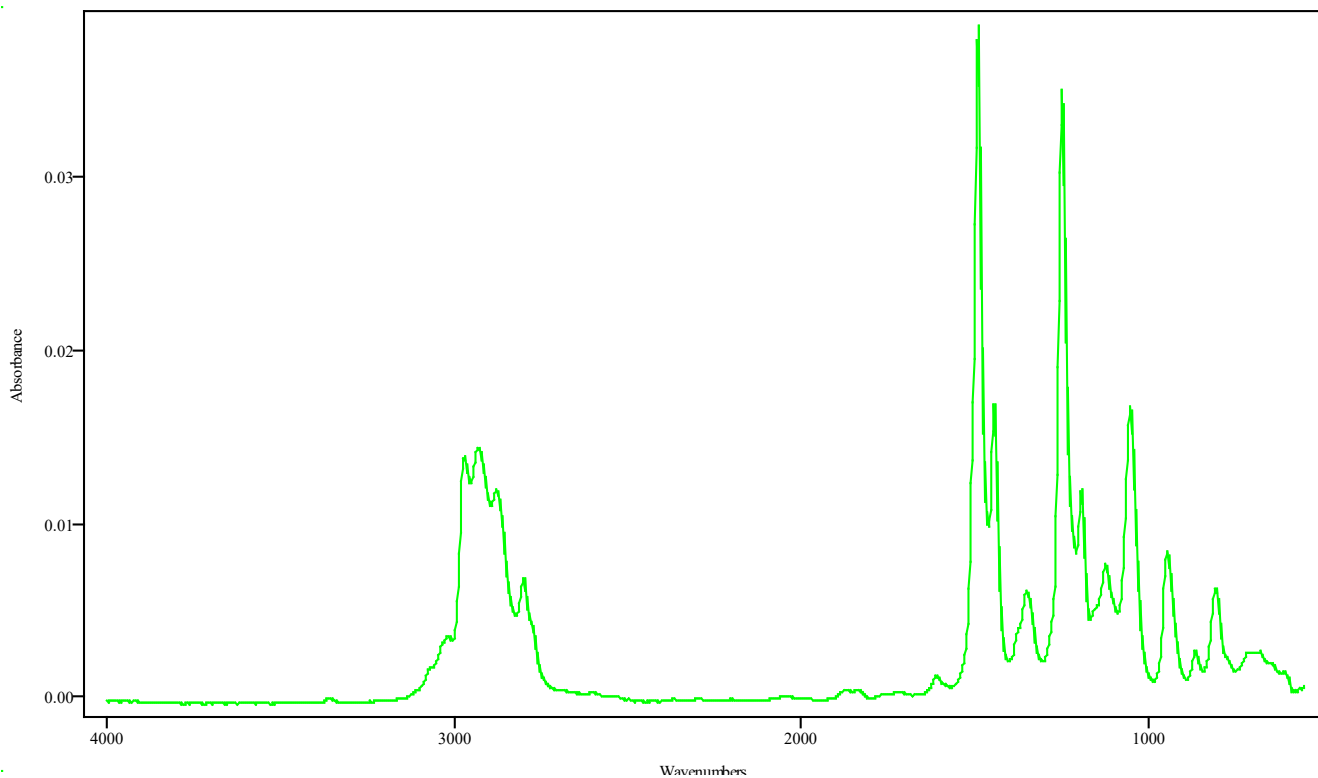
IRD Data Analysis Report

Data Filename	3,4-MDMA STD 2023_April_10_142130
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	4
Sample Name	3,4-MDMA STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 14:35:23 2023
Date Processed	Mon Apr 10 15:09:56 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
2.298	2.353	0.055	2.036	2.298

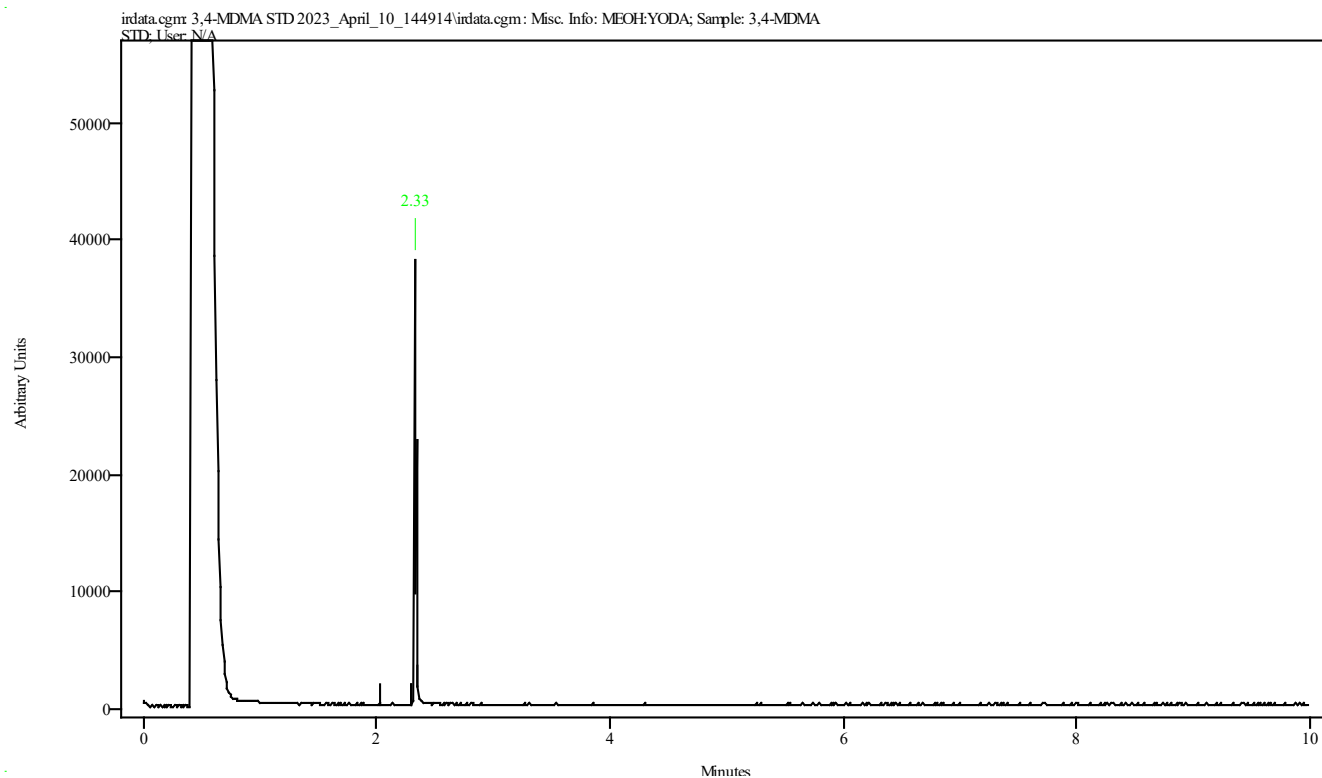
Data Filename	3,4-MDMA STD 2023_April_10_142130
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	4
Sample Name	3,4-MDMA STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 14:35:23 2023
Date Processed	Mon Apr 10 15:09:56 2023



IRDATA.SPC: 2.33 minutes: AVE (2.30: 2.35) Ref. (2.04: 2.30) of 3,4-MDMA STD
2023_April_10_142130.cgm

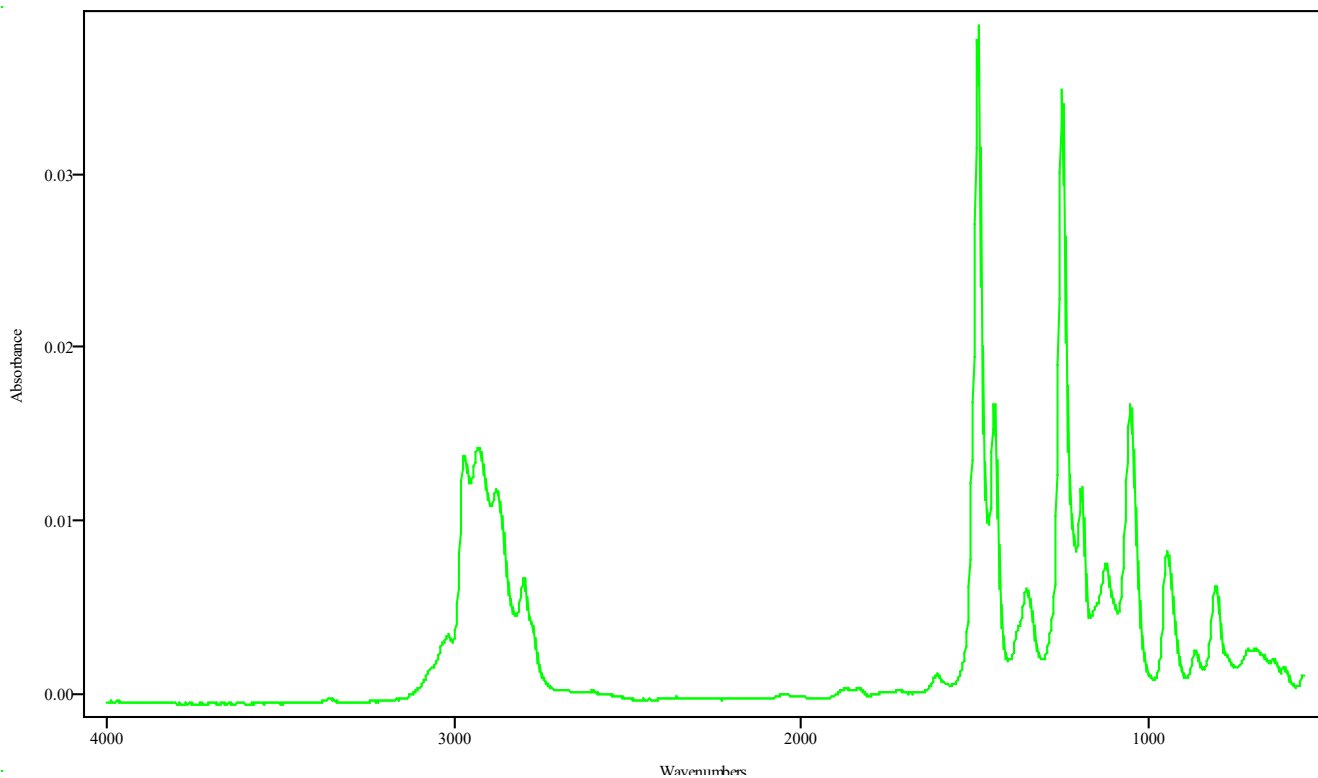
IRD Data Analysis Report

Data Filename	3,4-MDMA STD 2023_April_10_144914
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	4
Sample Name	3,4-MDMA STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 15:03:04 2023
Date Processed	Mon Apr 10 15:10:52 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
2.300	2.355	0.055	2.037	2.300

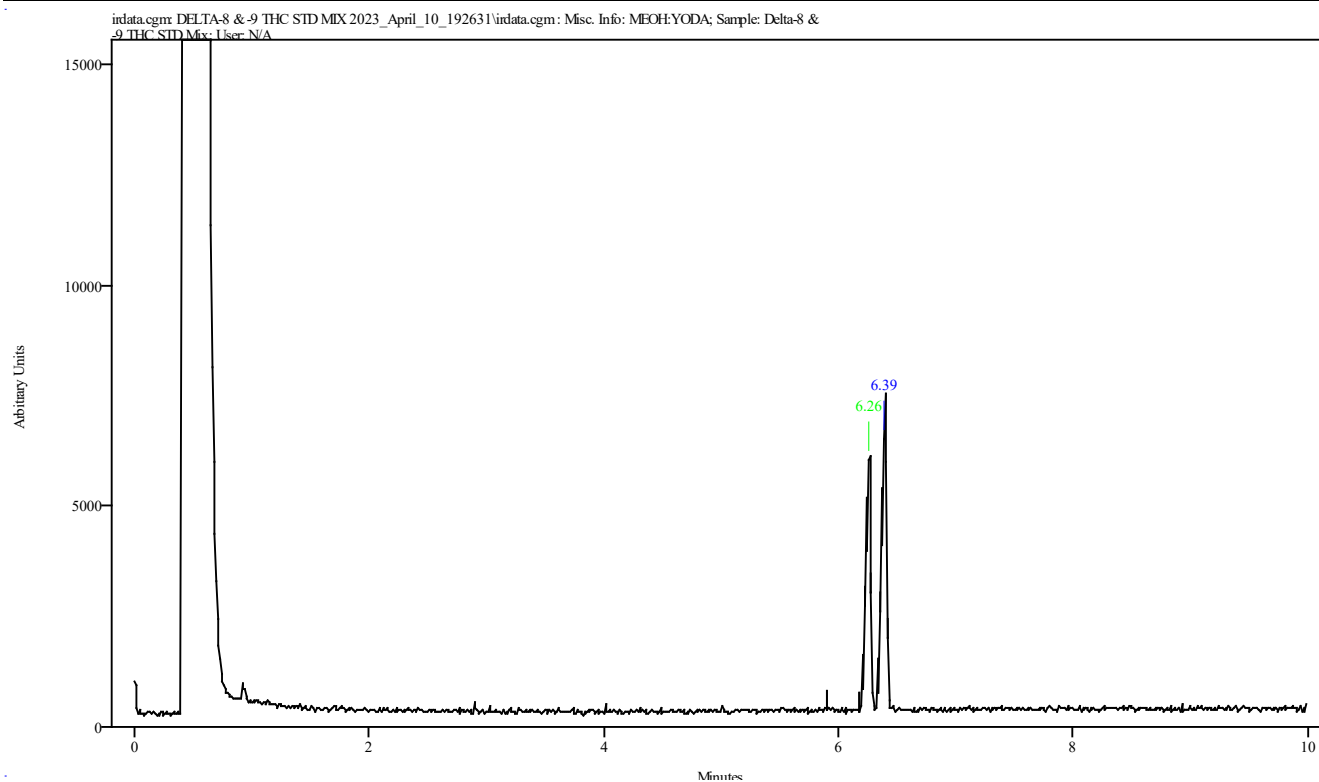
Data Filename	3,4-MDMA STD 2023_April_10_144914
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	4
Sample Name	3,4-MDMA STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 15:03:04 2023
Date Processed	Mon Apr 10 15:10:52 2023



IRDATA.SPC: 2.33 minutes: AVE (2.30: 2.36) Ref. (2.04: 2.30) of 3,4-MDMA STD
2023_April_10_144914.cgm

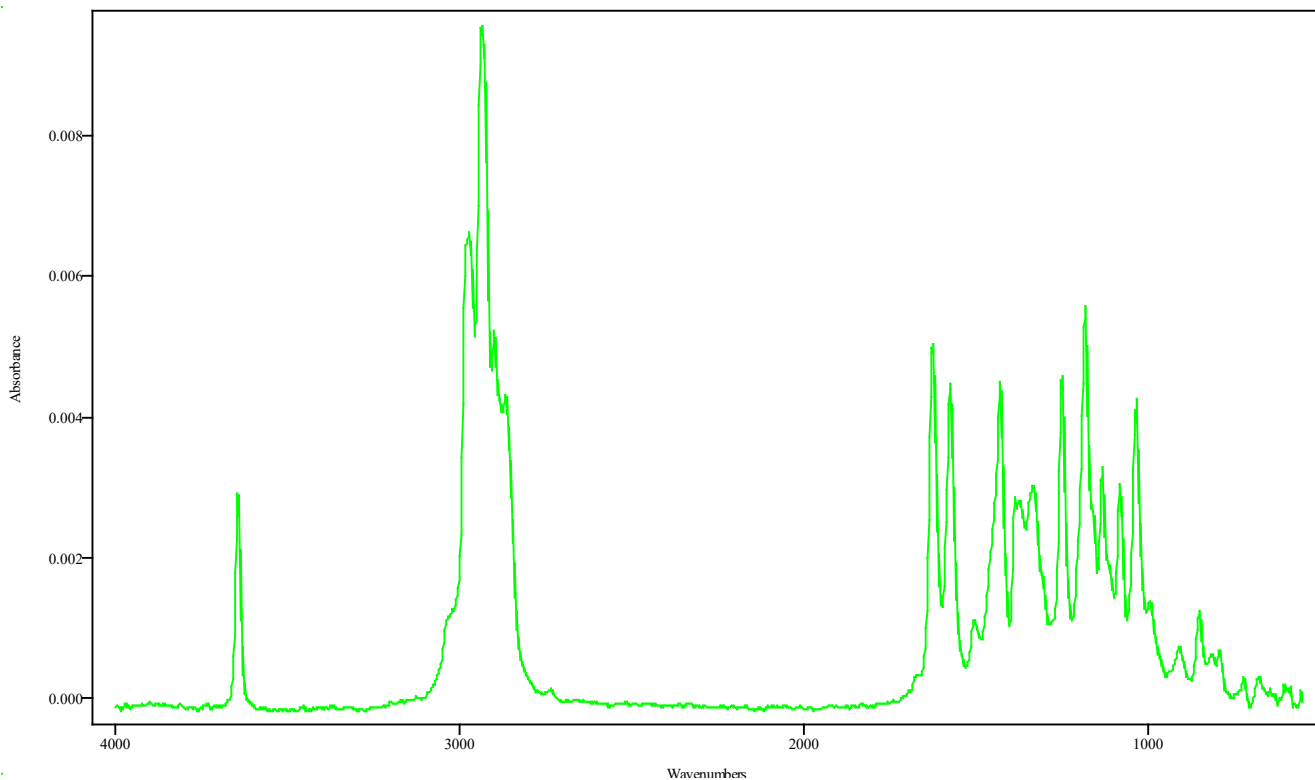
IRD Data Analysis Report

Data Filename	DELTA-8 & -9 THC STD MIX 2023_April_10_192631
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	9
Sample Name	Delta-8 & -9 THC STD Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 19:40:22 2023
Date Processed	Tue Apr 11 09:01:33 2023



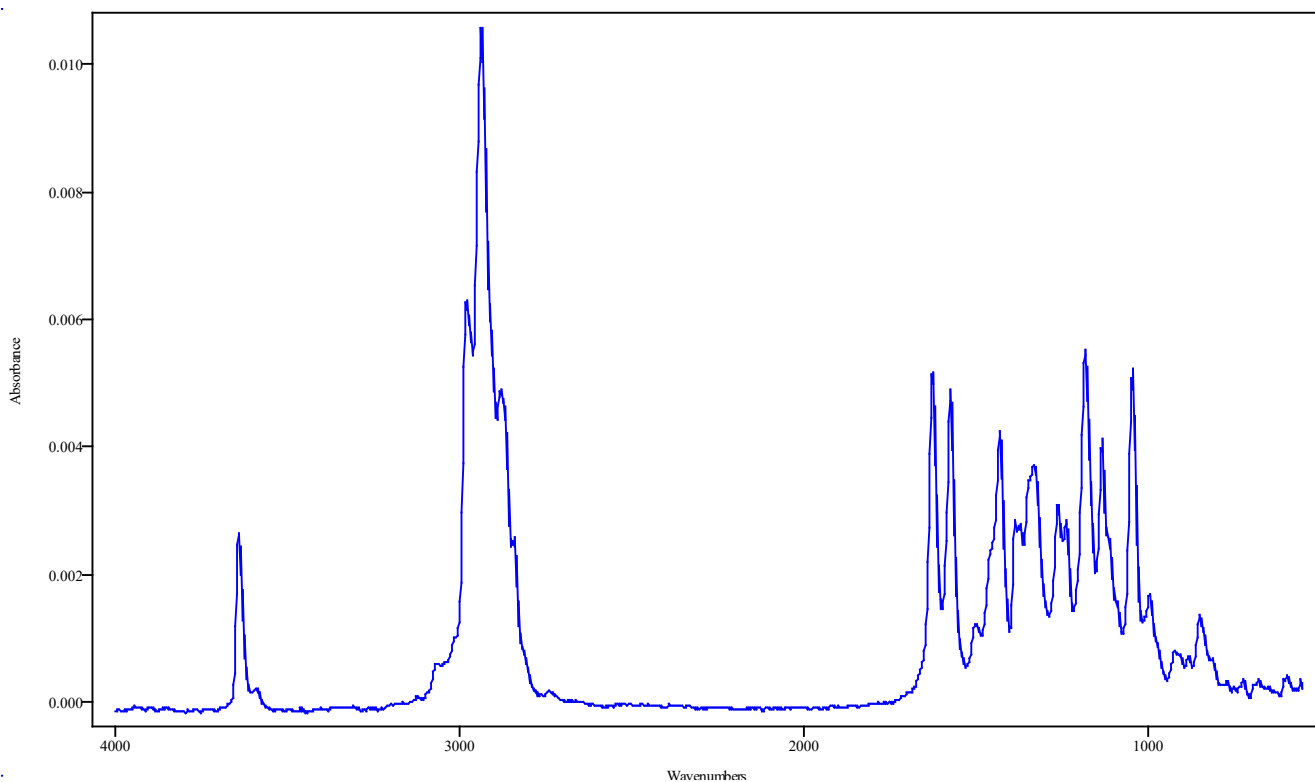
Peak Start	Peak End	Peak Width	Reference Start	Reference End
6.228	6.283	0.055	5.911	6.174
6.360	6.425	0.066	5.911	6.174

Data Filename	DELTA-8 & -9 THC STD MIX 2023_April_10_192631
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	9
Sample Name	Delta-8 & -9 THC STD Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 19:40:22 2023
Date Processed	Tue Apr 11 09:01:33 2023



IRDATA.SPC: 6.26 minutes: AVE (6.23: 6.28) Ref. (5.91: 6.17) of DELTA-8 & -9 THC STD MIX 2023_April_10_192631.cgm Delta-8-THC

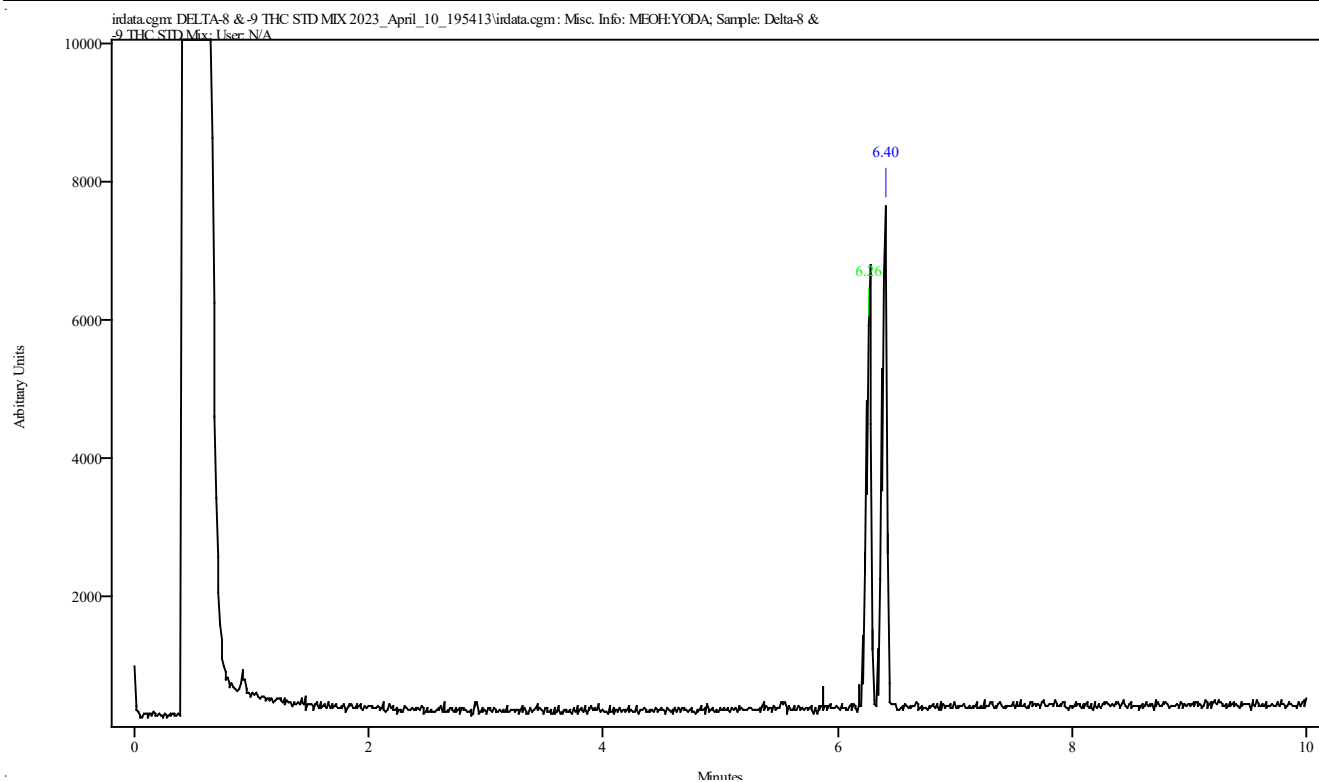
Data Filename	DELTA-8 & -9 THC STD MIX 2023_April_10_192631
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	9
Sample Name	Delta-8 & -9 THC STD Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 19:40:22 2023
Date Processed	Tue Apr 11 09:01:33 2023



IRDATA.SPC: 6.39 minutes: AVE (6.36: 6.43) Ref. (5.91: 6.17) of DELTA-8 & -9 THC STD MIX 2023_April_10_192631.cgm Delta-9-THC

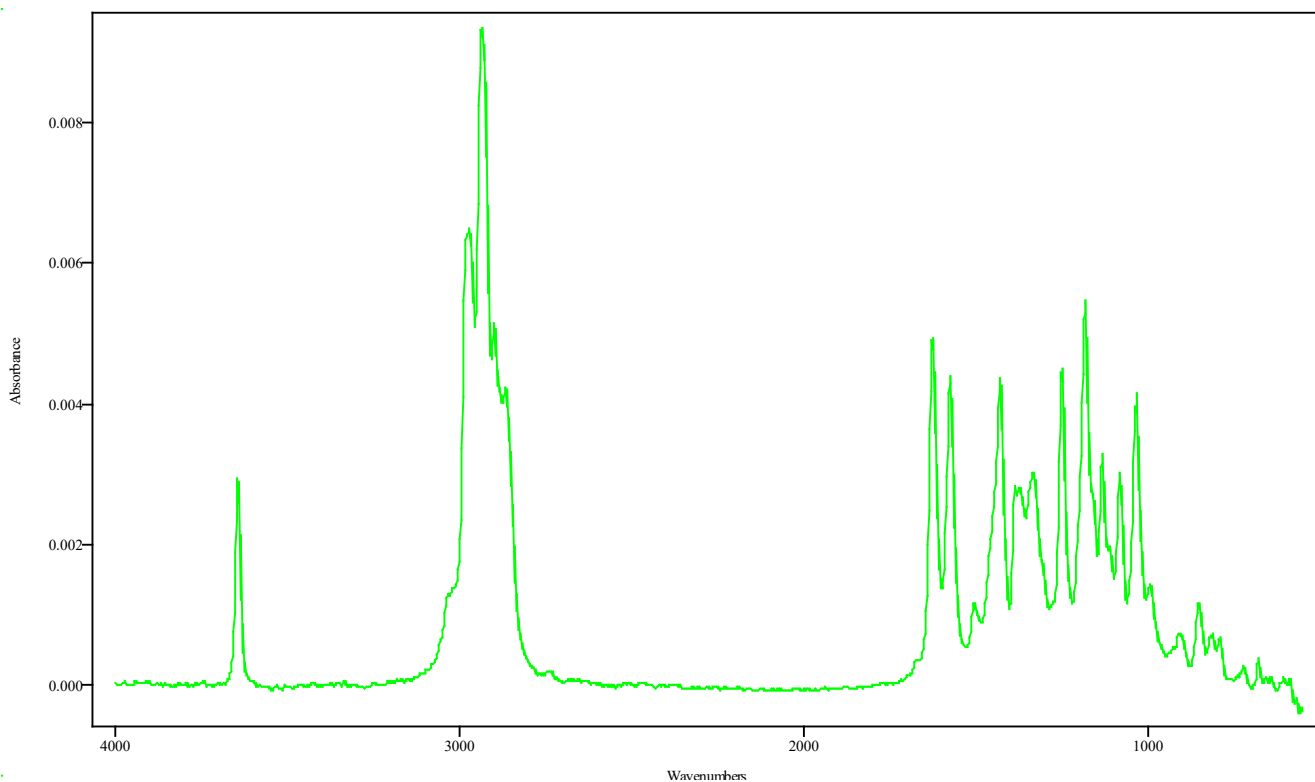
IRD Data Analysis Report

Data Filename	DELTA-8 & -9 THC STD MIX 2023_April_10_195413
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	9
Sample Name	Delta-8 & -9 THC STD Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 20:08:04 2023
Date Processed	Tue Apr 11 09:04:52 2023



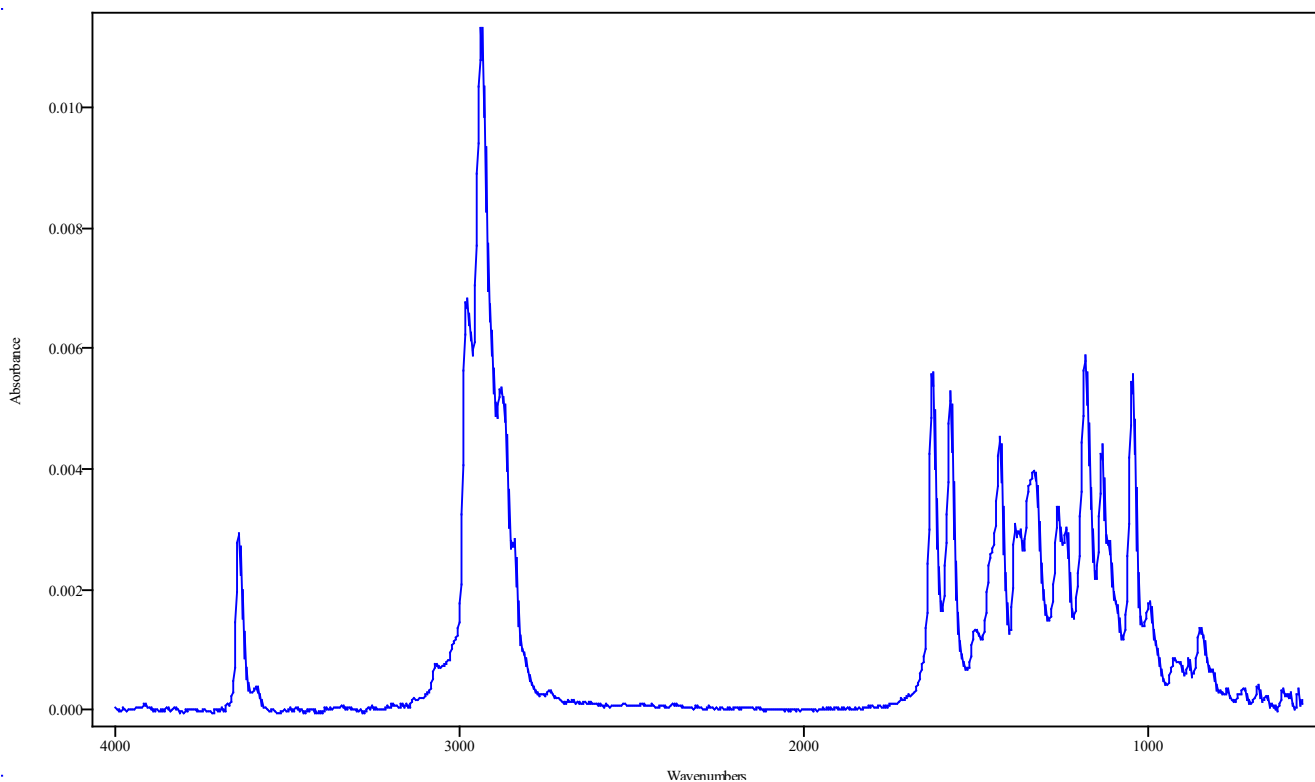
Peak Start	Peak End	Peak Width	Reference Start	Reference End
6.229	6.295	0.066	5.879	6.185
6.372	6.426	0.055	5.879	6.185

Data Filename	DELTA-8 & -9 THC STD MIX 2023_April_10_195413
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	9
Sample Name	Delta-8 & -9 THC STD Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 20:08:04 2023
Date Processed	Tue Apr 11 09:04:52 2023



IRDATA.SPC: 6.26 minutes: AVE (6.23: 6.29) Ref. (5.88: 6.19) of DELTA-8 & -9 THC STD MIX 2023_April_10_195413.cgm Delta-8-THC

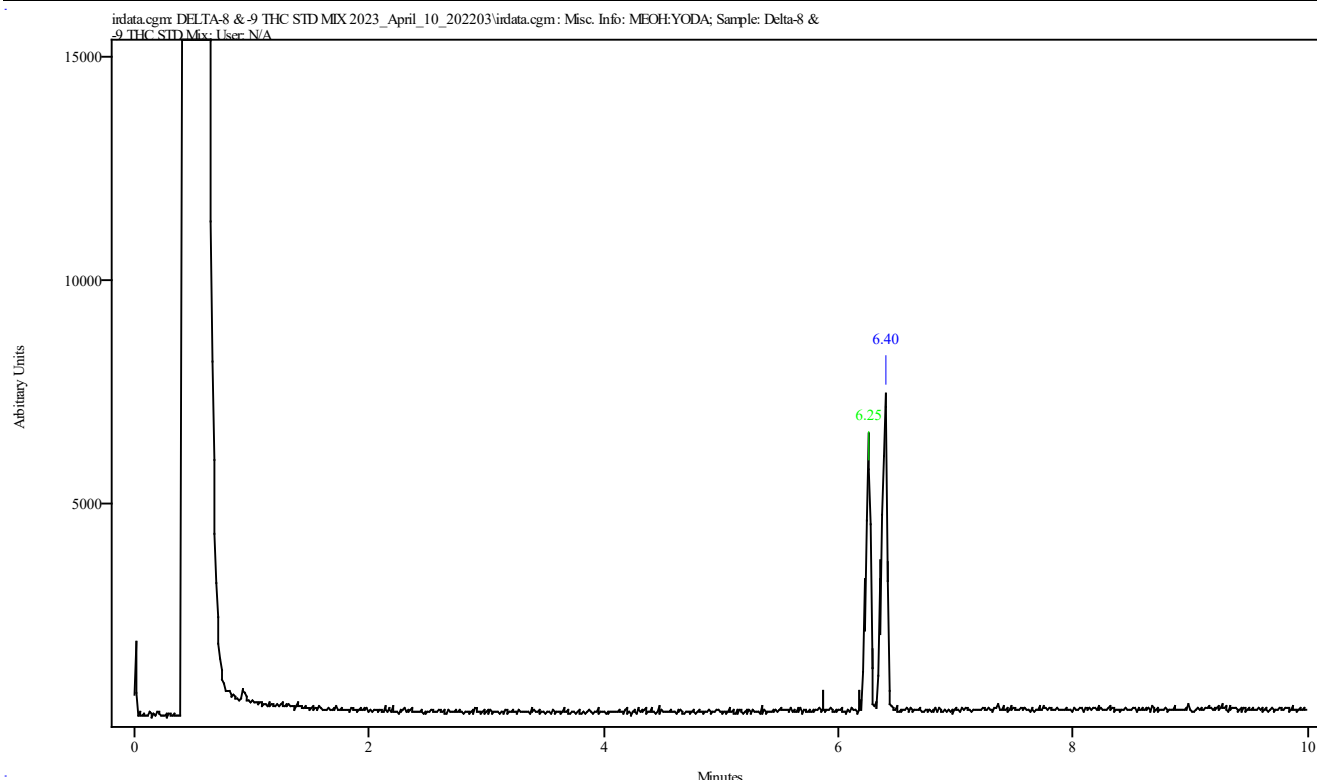
Data Filename	DELTA-8 & -9 THC STD MIX 2023_April_10_195413
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	9
Sample Name	Delta-8 & -9 THC STD Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 20:08:04 2023
Date Processed	Tue Apr 11 09:04:52 2023



IRDATA.SPC: 6.40 minutes: AVE (6.37: 6.43) Ref. (5.88: 6.19) of DELTA-8 & -9 THC STD MIX 2023_April_10_195413.cgm Delta-9-THC

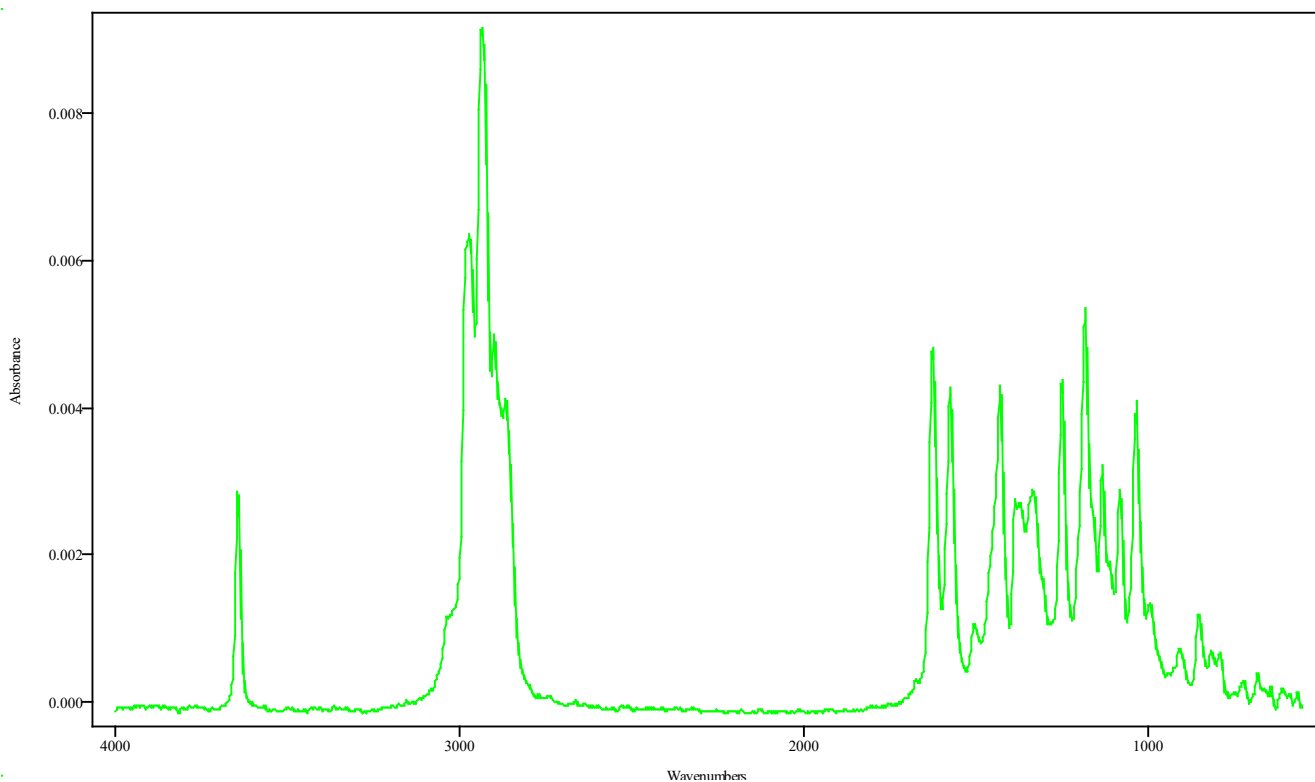
IRD Data Analysis Report

Data Filename	DELTA-8 & -9 THC STD MIX 2023_April_10_202203
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	9
Sample Name	Delta-8 & -9 THC STD Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 20:35:54 2023
Date Processed	Tue Apr 11 09:07:47 2023



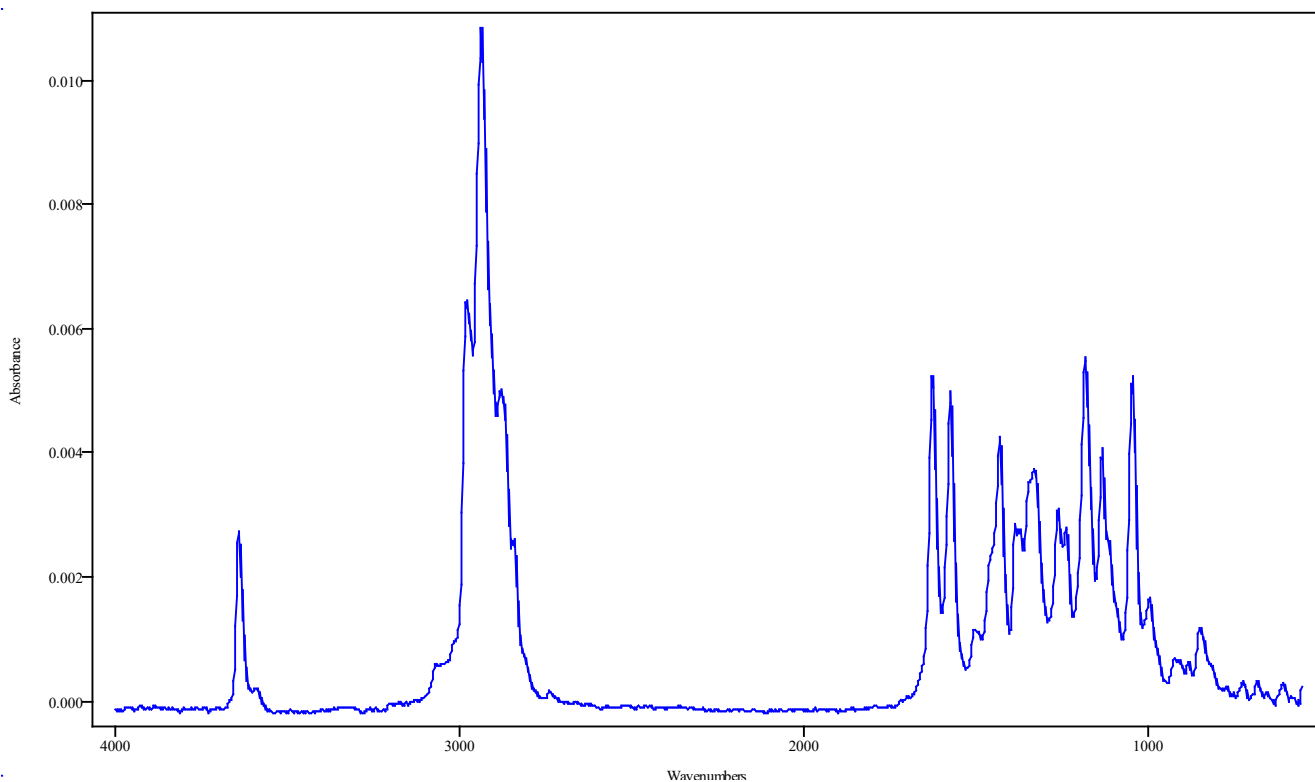
Peak Start	Peak End	Peak Width	Reference Start	Reference End
6.222	6.287	0.066	5.871	6.178
6.364	6.419	0.055	5.871	6.178

Data Filename	DELTA-8 & -9 THC STD MIX 2023_April_10_202203
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	9
Sample Name	Delta-8 & -9 THC STD Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 20:35:54 2023
Date Processed	Tue Apr 11 09:07:47 2023



IRDATA.SPC: 6.25 minutes: AVE (6.22: 6.29) Ref. (5.87: 6.18) of DELTA-8 & -9 THC STD MIX 2023_April_10_202203.cgm Delta-8-THC

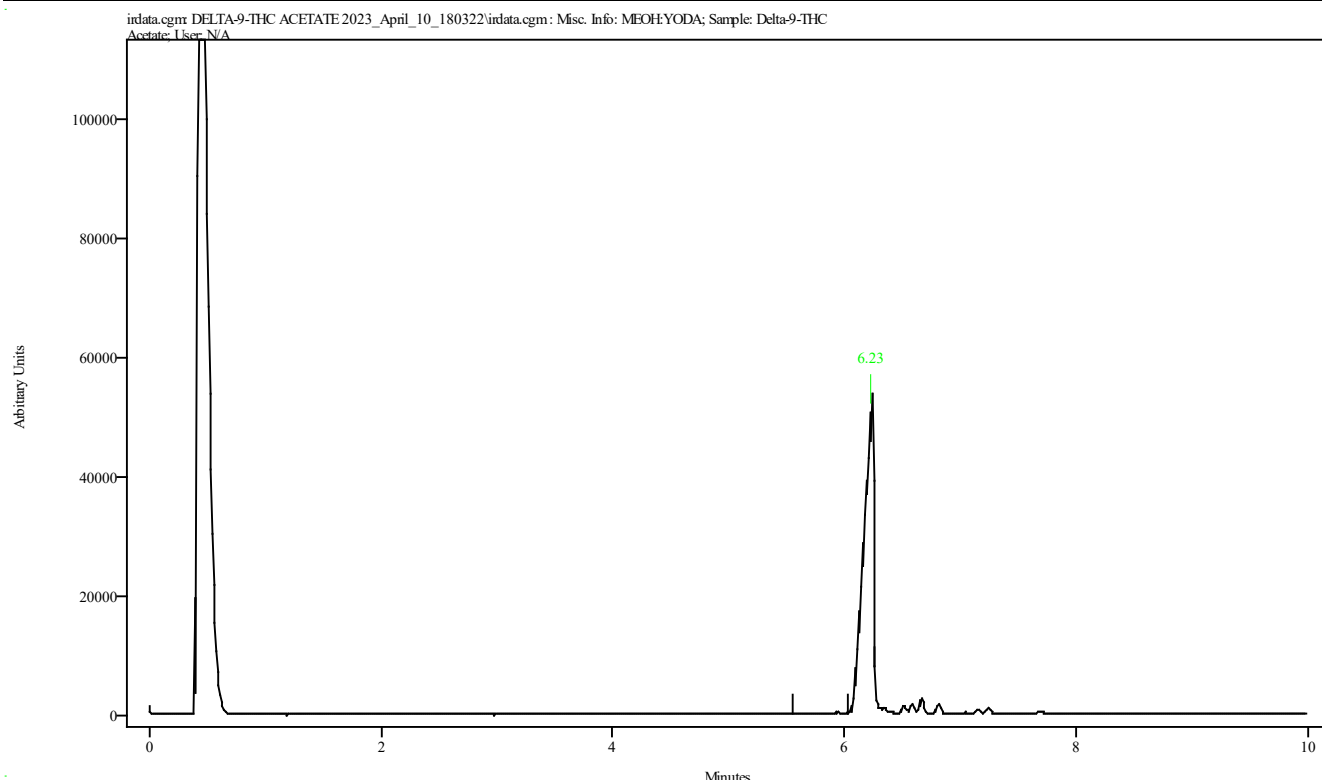
Data Filename	DELTA-8 & -9 THC STD MIX 2023_April_10_202203
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	9
Sample Name	Delta-8 & -9 THC STD Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 20:35:54 2023
Date Processed	Tue Apr 11 09:07:47 2023



IRDATA.SPC: 6.40 minutes: AVE (6.36: 6.42) Ref. (5.87: 6.18) of DELTA-8 & -9 THC STD MIX 2023_April_10_202203.cgm Delta-9-THC

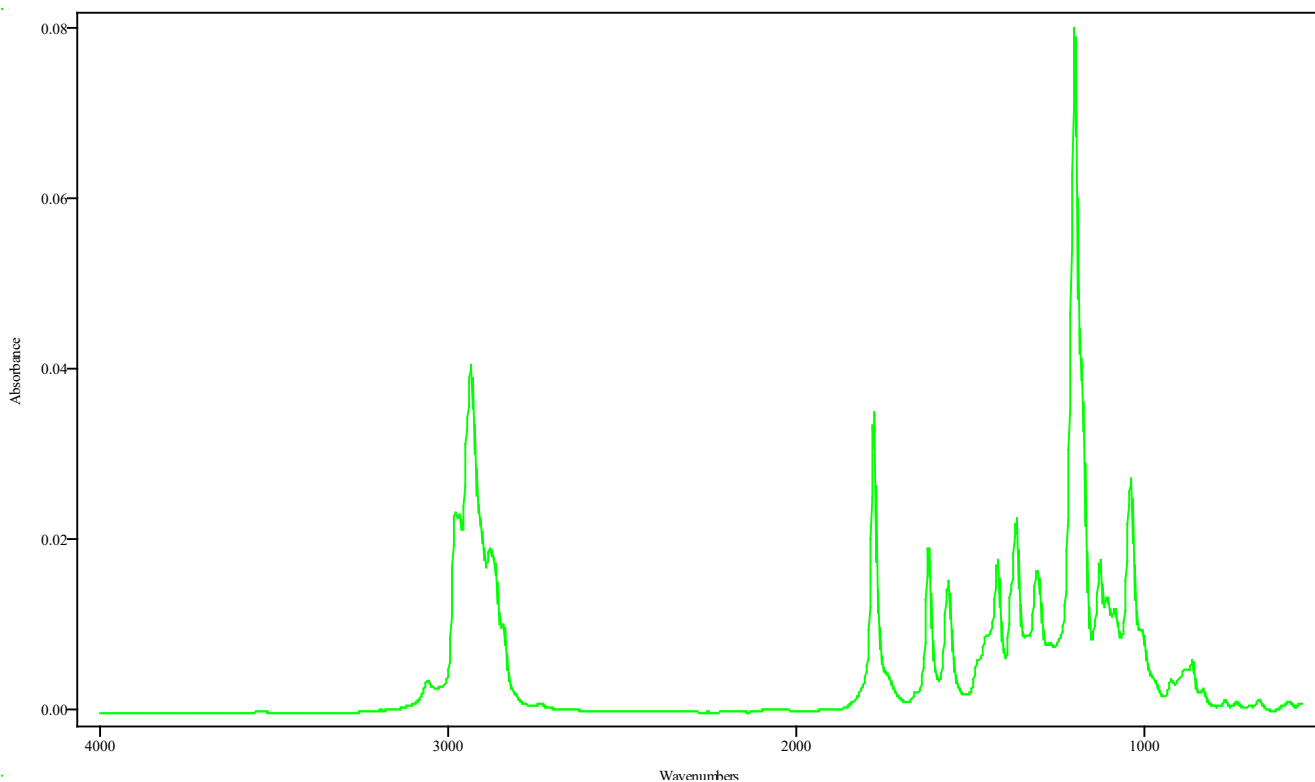
IRD Data Analysis Report

Data Filename	DELTA-9-THC ACETATE 2023_April_10_180322
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	7
Sample Name	Delta-9-THC Acetate
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 18:17:13 2023
Date Processed	Tue Apr 11 09:09:31 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
6.157	6.266	0.110	5.554	6.036

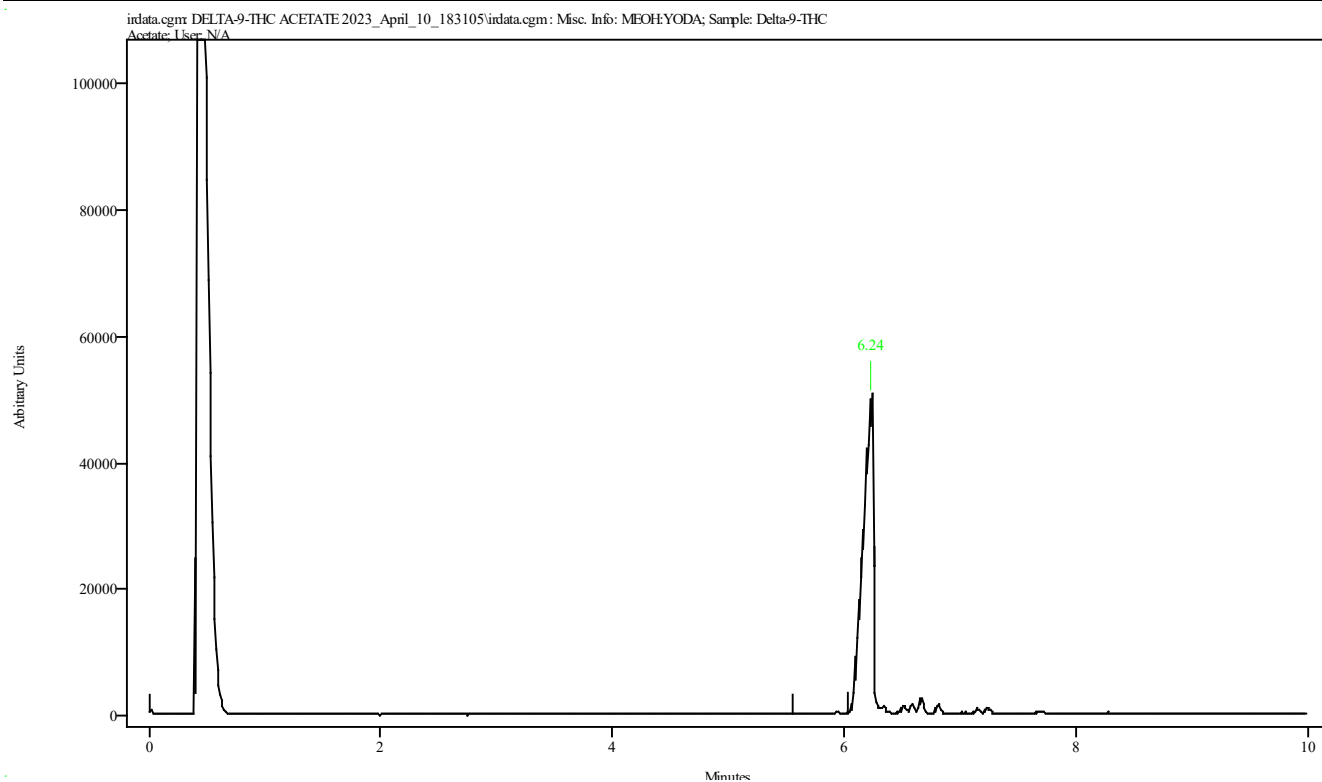
Data Filename	DELTA-9-THC ACETATE 2023_April_10_180322
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	7
Sample Name	Delta-9-THC Acetate
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 18:17:13 2023
Date Processed	Tue Apr 11 09:09:31 2023



IRDATA.SPC: 6.23 minutes: AVE (6.16: 6.27) Ref. (5.55: 6.04) of DELTA-9-THC ACETATE
 2023_April_10_180322.cgm Delta-9-THC Acetate

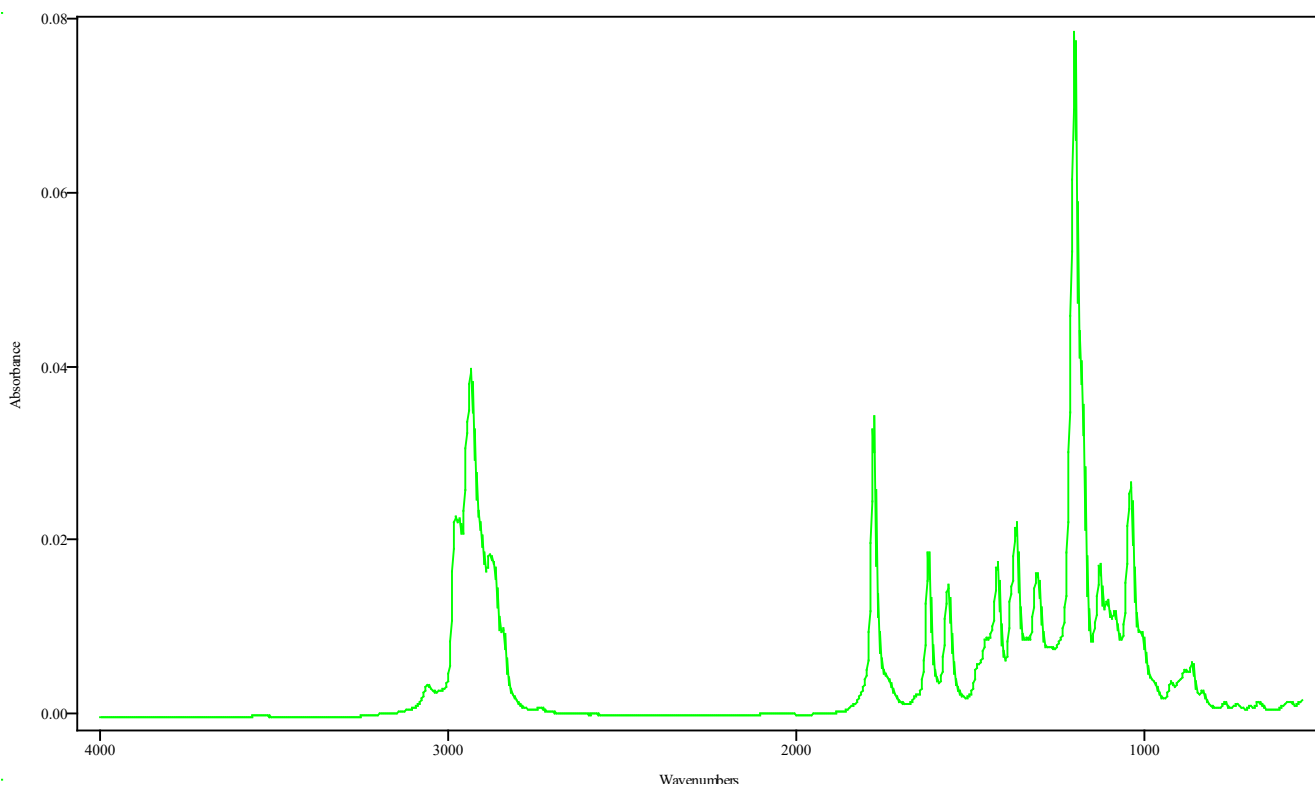
IRD Data Analysis Report

Data Filename	DELTA-9-THC ACETATE 2023_April_10_183105
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	7
Sample Name	Delta-9-THC Acetate
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 18:44:55 2023
Date Processed	Tue Apr 11 09:10:50 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
6.149	6.259	0.110	5.558	6.040

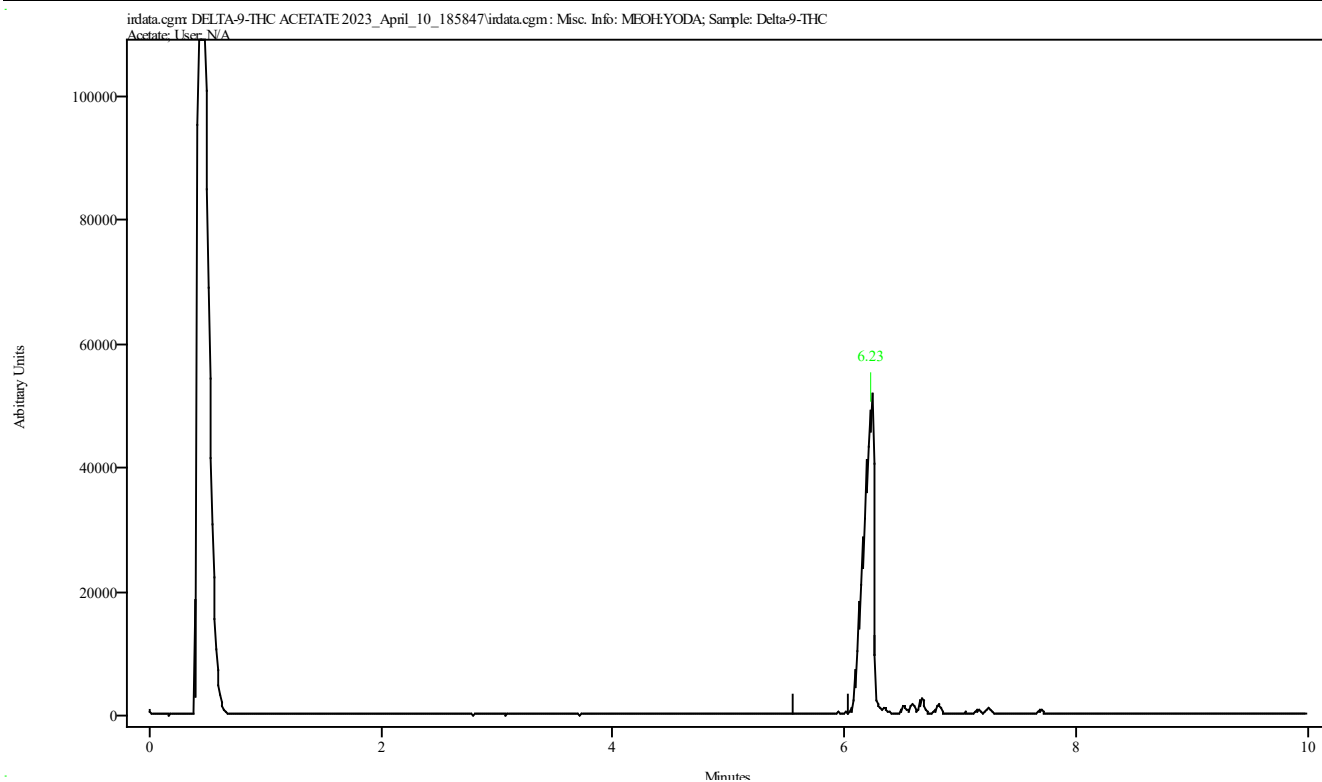
Data Filename	DELTA-9-THC ACETATE 2023_April_10_183105
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	7
Sample Name	Delta-9-THC Acetate
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 18:44:55 2023
Date Processed	Tue Apr 11 09:10:50 2023



IRDATA.SPC: 6.24 minutes: AVE (6.15: 6.26) Ref. (5.56: 6.04) of DELTA-9-THC ACETATE 2023_April_10_183105.cgm

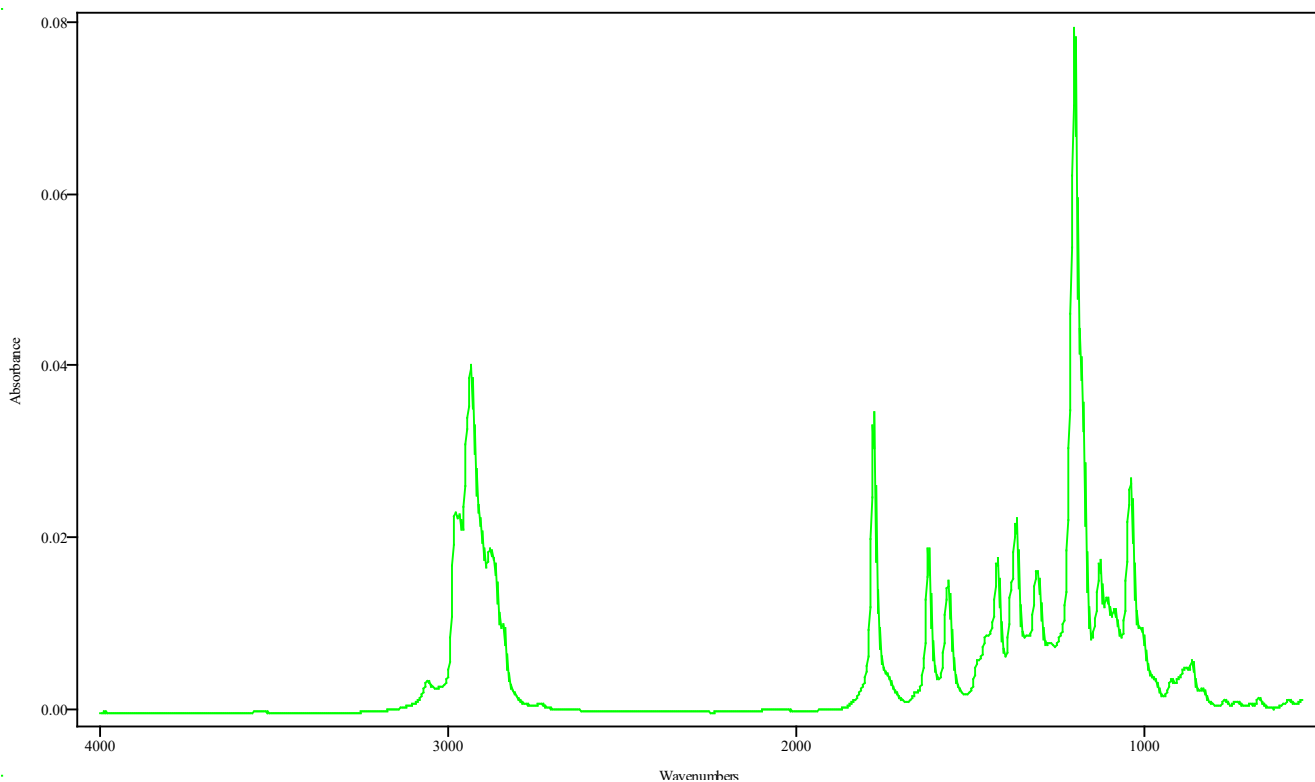
IRD Data Analysis Report

Data Filename	DELTA-9-THC ACETATE 2023_April_10_185847
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	7
Sample Name	Delta-9-THC Acetate
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 19:12:41 2023
Date Processed	Tue Apr 11 09:11:50 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
6.157	6.267	0.110	5.555	6.037

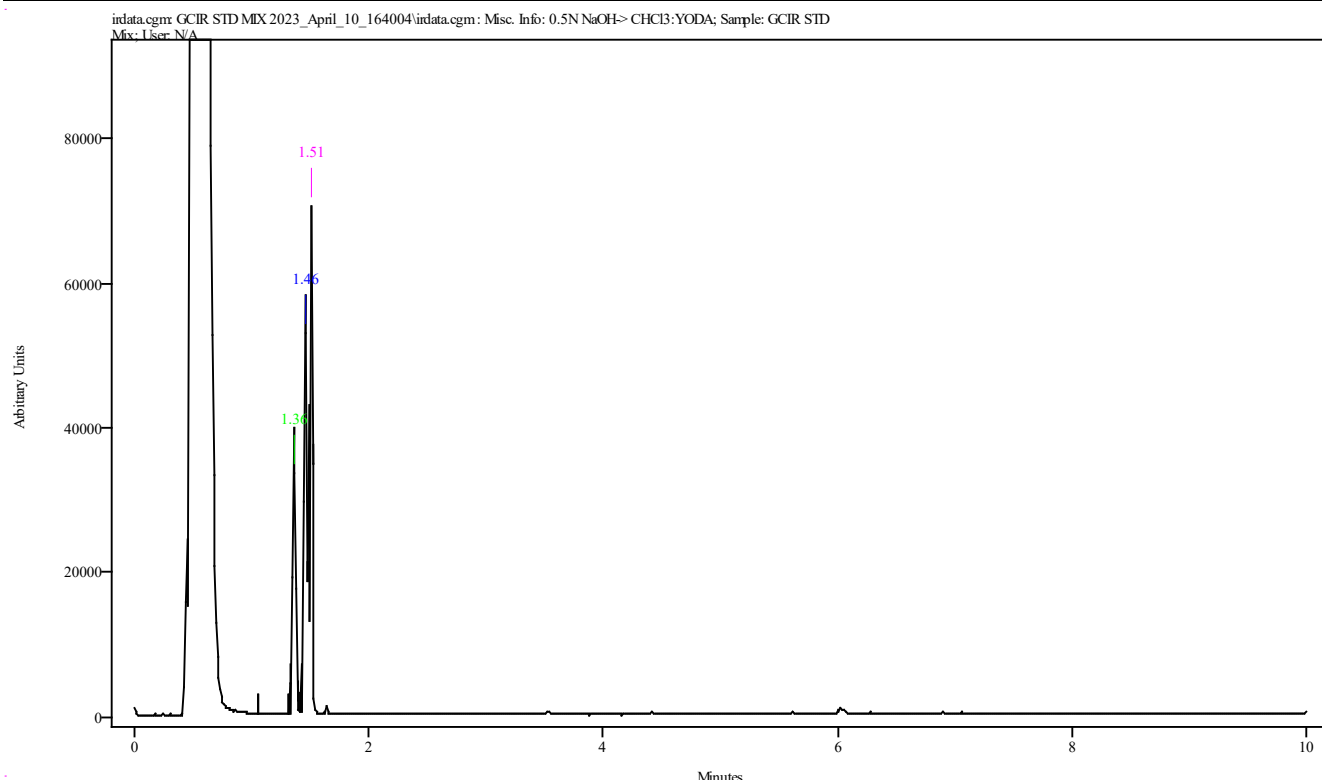
Data Filename	DELTA-9-THC ACETATE 2023_April_10_185847
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	7
Sample Name	Delta-9-THC Acetate
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 19:12:41 2023
Date Processed	Tue Apr 11 09:11:50 2023



IRDATA.SPC: 6.23 minutes: AVE (6.16: 6.27) Ref. (5.55: 6.04) of DELTA-9-THC ACETATE 2023_April_10_185847.cgm

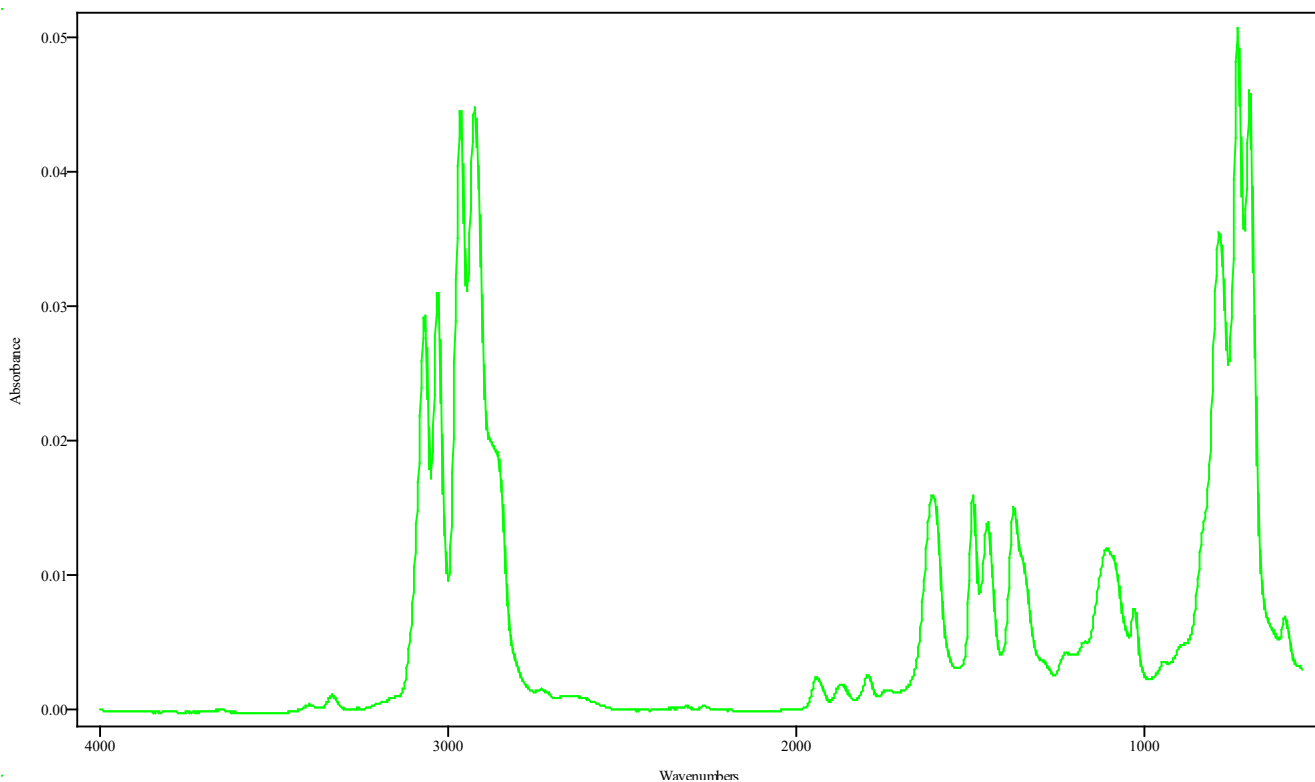
IRD Data Analysis Report

Data Filename	GCIR STD MIX 2023_April_10_164004
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	6
Sample Name	GCIR STD Mix
Misc. Info	0.5N NaOH-> CHCl3:YODA
User ID	N/A
Injection Time	Mon Apr 10 16:53:58 2023
Date Processed	Tue Apr 11 09:16:26 2023



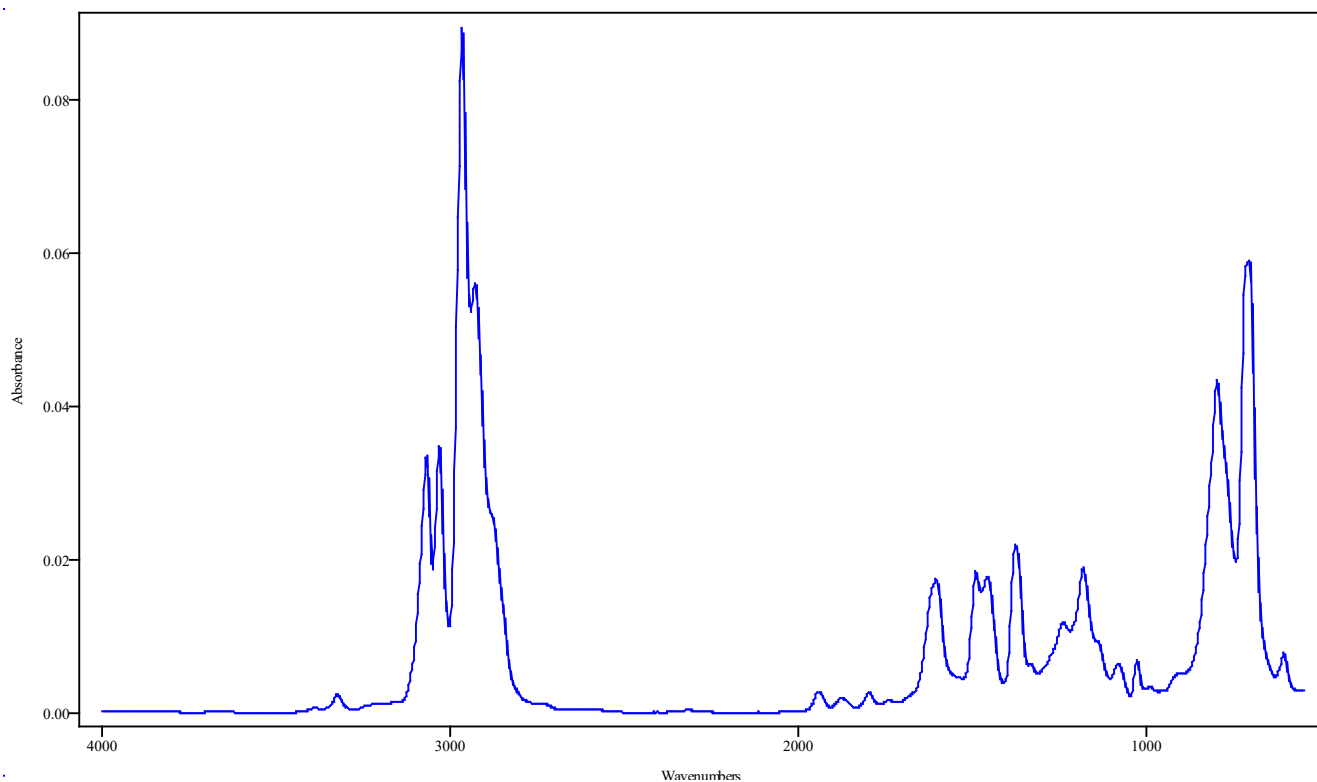
Peak Start	Peak End	Peak Width	Reference Start	Reference End
1.336	1.390	0.055	1.051	1.314
1.412	1.478	0.066	1.051	1.314
1.478	1.522	0.044	1.051	1.314

Data Filename	GCIR STD MIX 2023_April_10_164004
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	6
Sample Name	GCIR STD Mix
Misc. Info	0.5N NaOH-> CHCl3:YODA
User ID	N/A
Injection Time	Mon Apr 10 16:53:58 2023
Date Processed	Tue Apr 11 09:16:26 2023



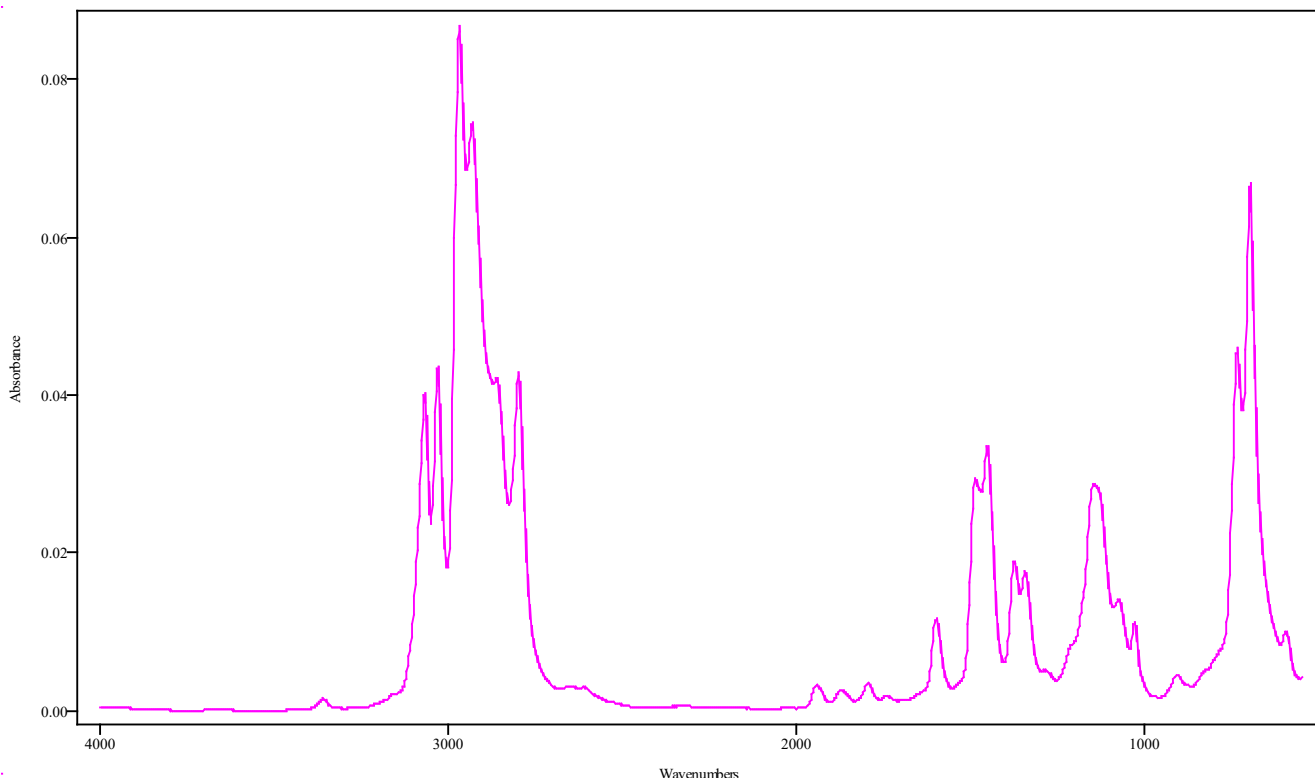
IRDATA.SPC: 1.36 minutes: AVE (1.34: 1.39) Ref. (1.05: 1.31) of GCIR STD MIX
2023_April_10_164004.cgm Amphetamine

Data Filename	GCIR STD MIX 2023_April_10_164004
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	6
Sample Name	GCIR STD Mix
Misc. Info	0.5N NaOH-> CHCl3:YODA
User ID	N/A
Injection Time	Mon Apr 10 16:53:58 2023
Date Processed	Tue Apr 11 09:16:26 2023



IRDATA.SPC: 1.46 minutes: AVE (1.41: 1.48) Ref. (1.05: 1.31) of GCIR STD MIX
2023_April_10_164004.cgm Phentermine

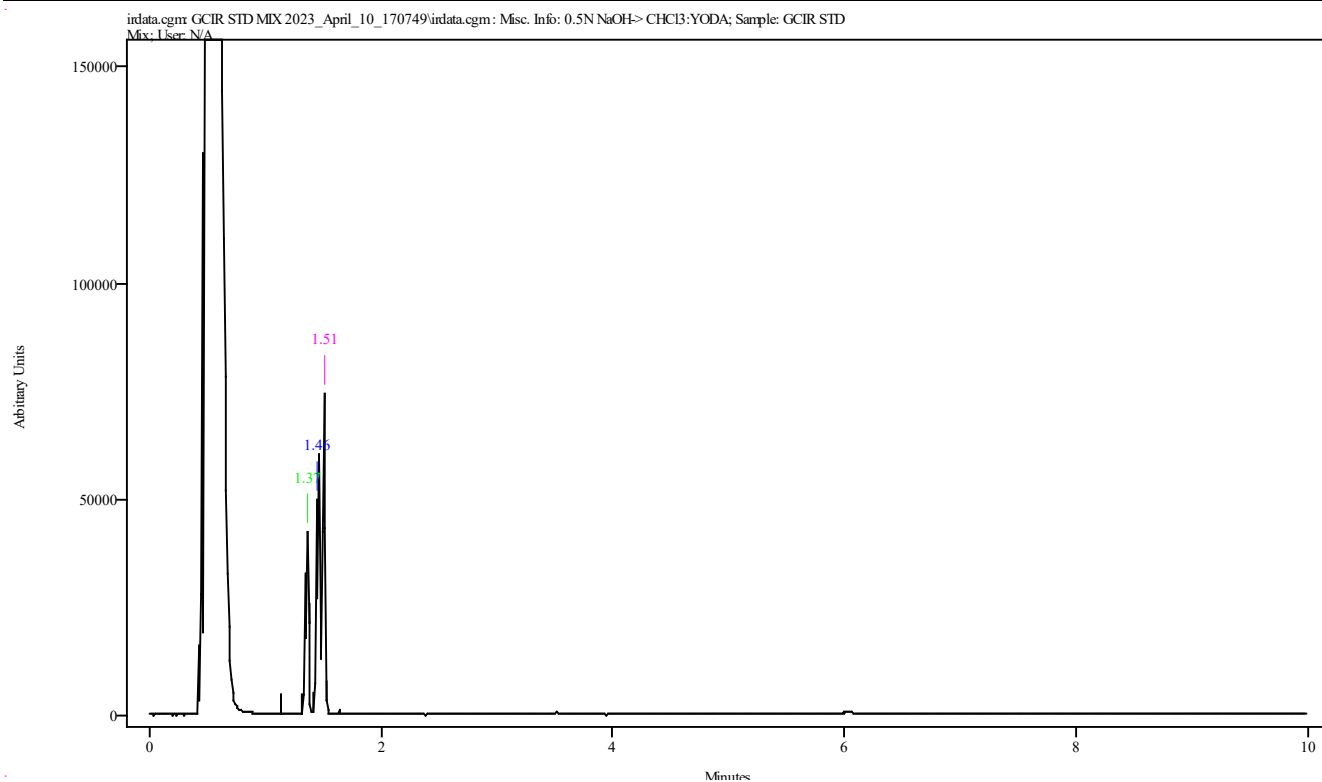
Data Filename	GCIR STD MIX 2023_April_10_164004
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	6
Sample Name	GCIR STD Mix
Misc. Info	0.5N NaOH-> CHCl3:YODA
User ID	N/A
Injection Time	Mon Apr 10 16:53:58 2023
Date Processed	Tue Apr 11 09:16:26 2023



IRDATA.SPC: 1.51 minutes: AVE (1.48: 1.52) Ref. (1.05: 1.31) of GCIR STD MIX
2023_April_10_164004.cgm Methamphetamine

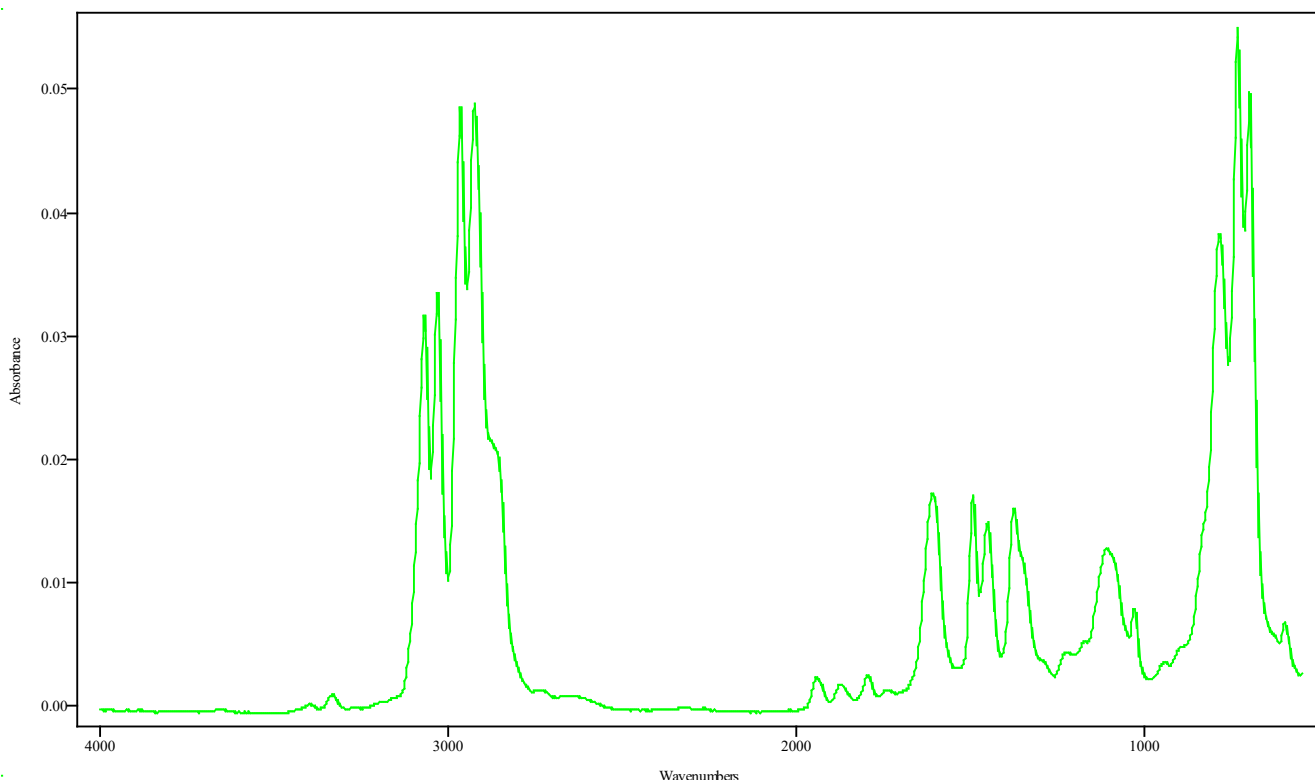
IRD Data Analysis Report

Data Filename	GCIR STD MIX 2023_April_10_170749
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	6
Sample Name	GCIR STD Mix
Misc. Info	0.5N NaOH-> CHCl3:YODA
User ID	N/A
Injection Time	Mon Apr 10 17:21:40 2023
Date Processed	Tue Apr 11 09:22:30 2023



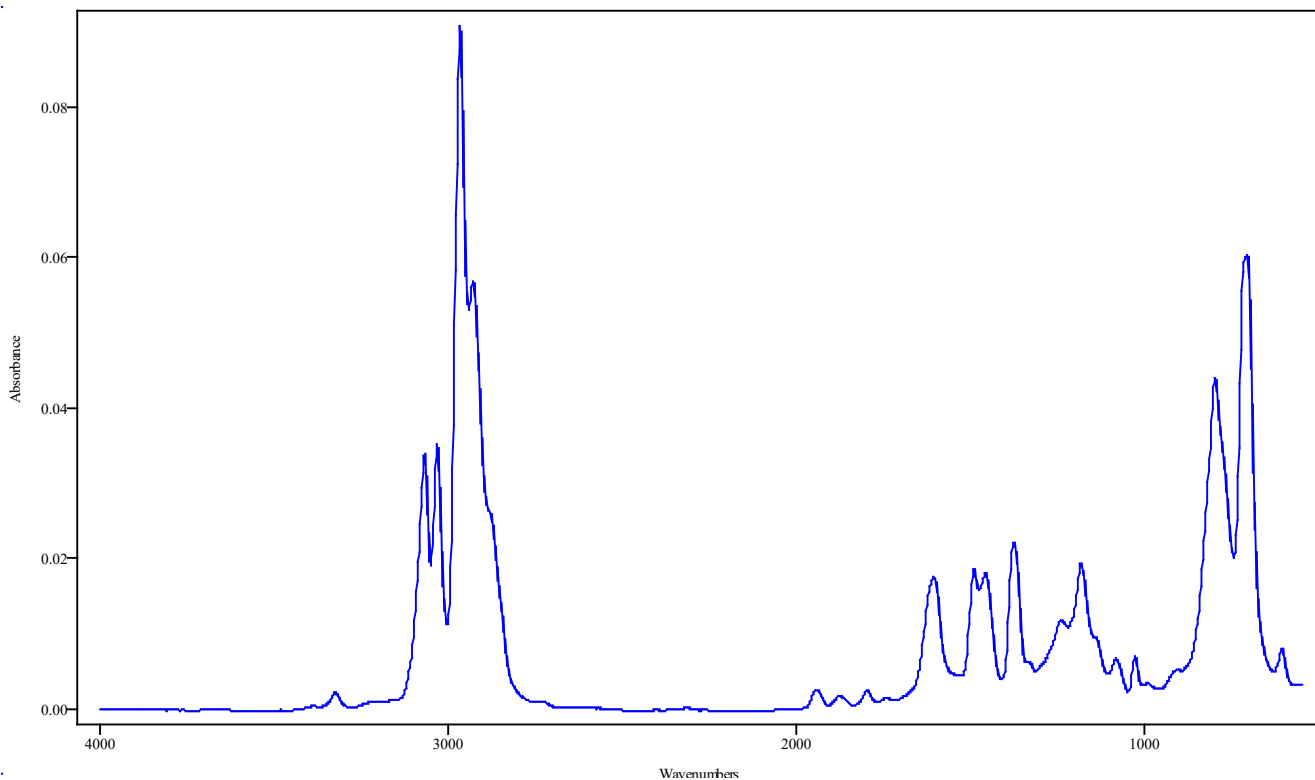
Peak Start	Peak End	Peak Width	Reference Start	Reference End
1.347	1.380	0.033	1.139	1.314
1.413	1.479	0.066	1.139	1.314
1.479	1.533	0.055	1.139	1.314

Data Filename	GCIR STD MIX 2023_April_10_170749
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	6
Sample Name	GCIR STD Mix
Misc. Info	0.5N NaOH-> CHCl3:YODA
User ID	N/A
Injection Time	Mon Apr 10 17:21:40 2023
Date Processed	Tue Apr 11 09:22:30 2023



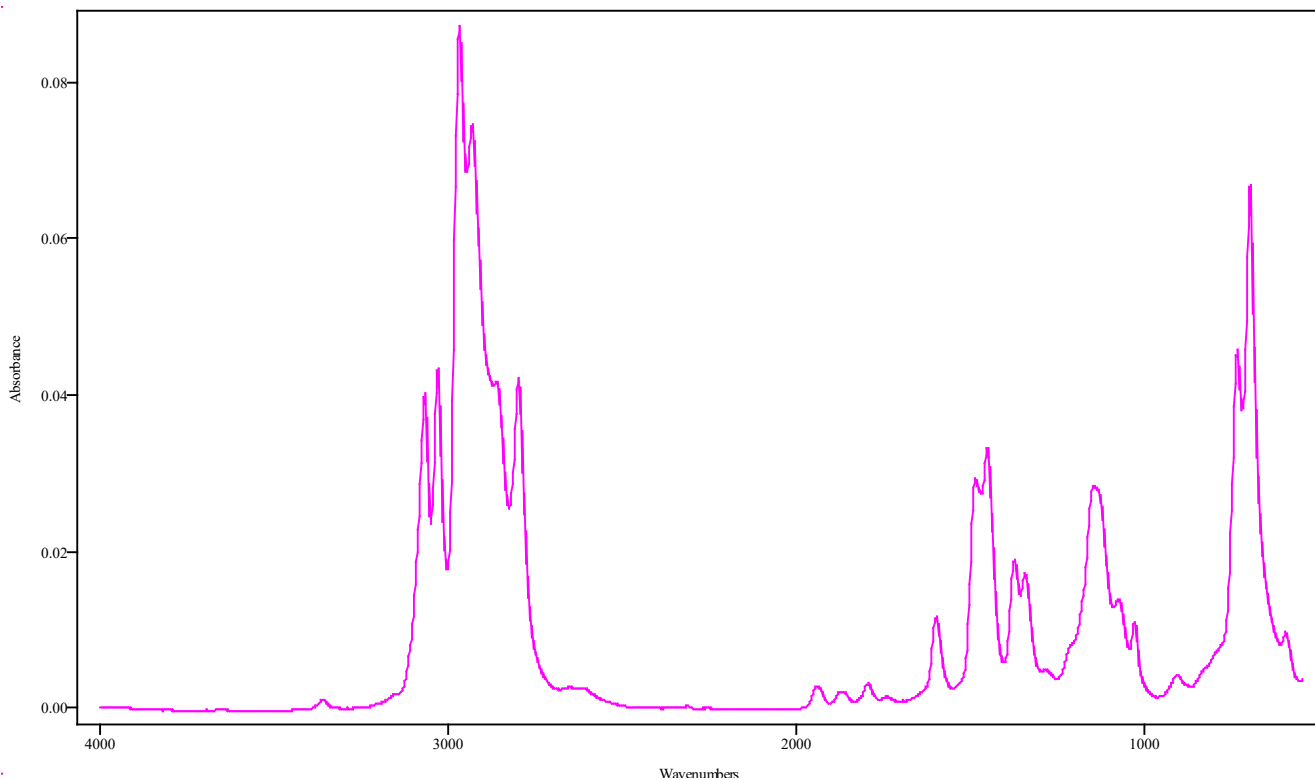
IRDATA.SPC: 1.37 minutes: AVE (1.35: 1.38) Ref. (1.14: 1.31) of GCIR STD MIX
2023_April_10_170749.cgm Amphetamine

Data Filename	GCIR STD MIX 2023_April_10_170749
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	6
Sample Name	GCIR STD Mix
Misc. Info	0.5N NaOH-> CHCl3:YODA
User ID	N/A
Injection Time	Mon Apr 10 17:21:40 2023
Date Processed	Tue Apr 11 09:22:30 2023



IRDATA.SPC: 1.46 minutes: AVE (1.41: 1.48) Ref. (1.14: 1.31) of GCIR STD MIX
2023_April_10_170749.cgm Phentermine

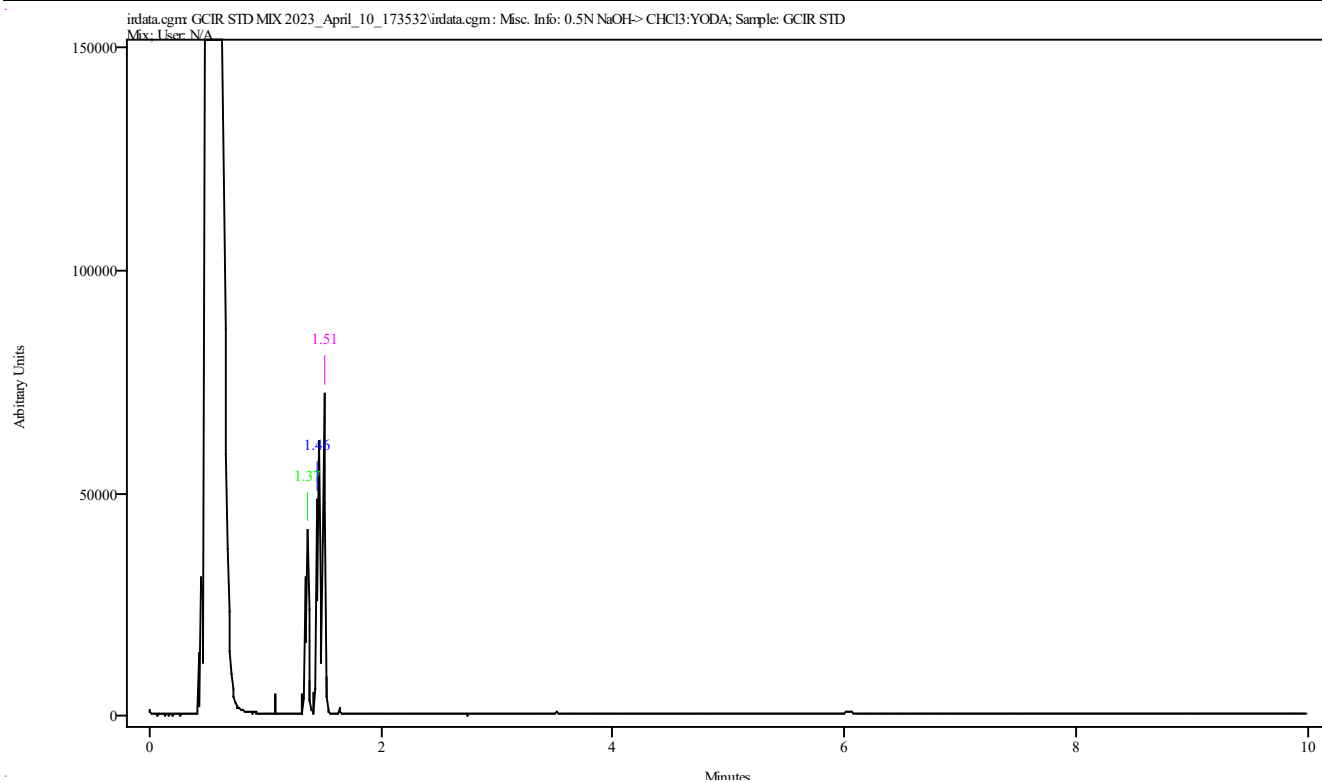
Data Filename	GCIR STD MIX 2023_April_10_170749
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	6
Sample Name	GCIR STD Mix
Misc. Info	0.5N NaOH-> CHCl3:YODA
User ID	N/A
Injection Time	Mon Apr 10 17:21:40 2023
Date Processed	Tue Apr 11 09:22:30 2023



IRDATA.SPC: 1.51 minutes: AVE (1.48: 1.53) Ref. (1.14: 1.31) of GCIR STD MIX
2023_April_10_170749.cgm Methamphetamine

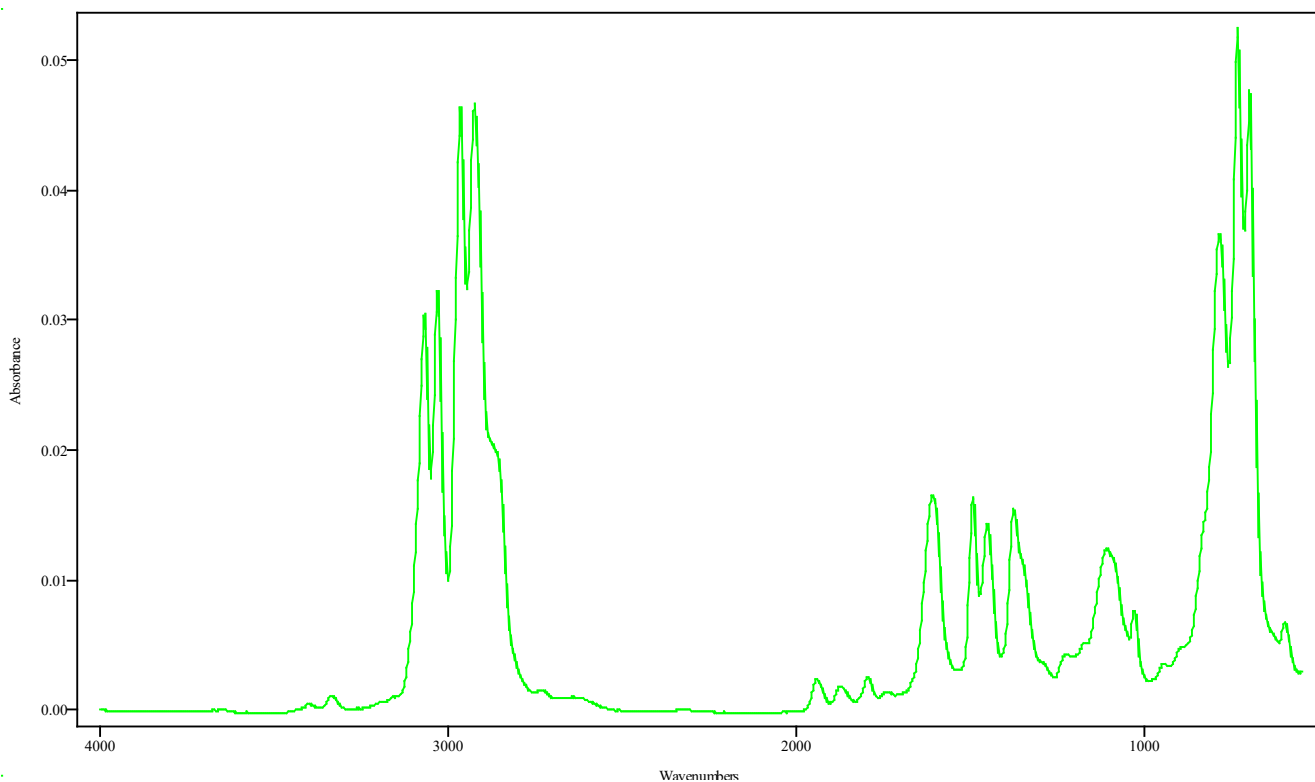
IRD Data Analysis Report

Data Filename	GCIR STD MIX 2023_April_10_173532
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	6
Sample Name	GCIR STD Mix
Misc. Info	0.5N NaOH-> CHCl3:YODA
User ID	N/A
Injection Time	Mon Apr 10 17:49:22 2023
Date Processed	Tue Apr 11 09:24:04 2023



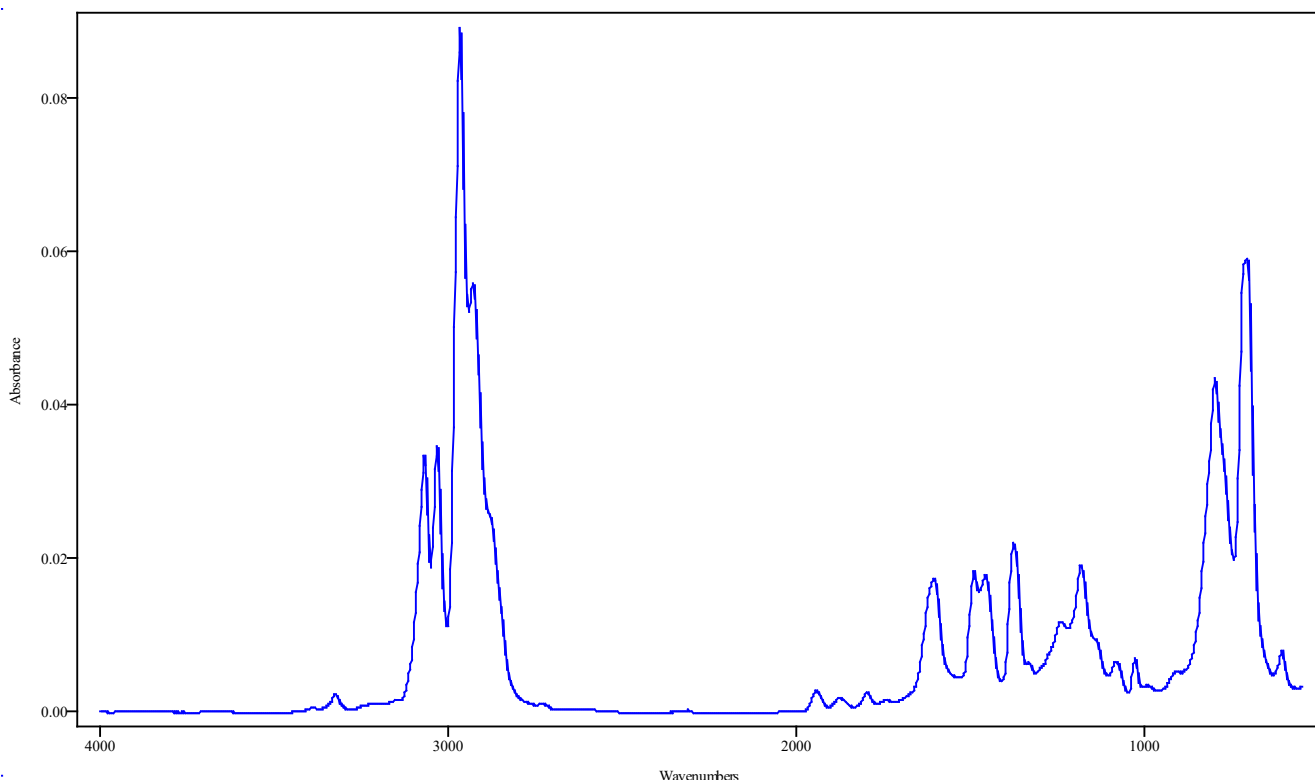
Peak Start	Peak End	Peak Width	Reference Start	Reference End
1.347	1.391	0.044	1.095	1.314
1.413	1.479	0.066	1.095	1.314
1.490	1.534	0.044	1.095	1.314

Data Filename	GCIR STD MIX 2023_April_10_173532
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	6
Sample Name	GCIR STD Mix
Misc. Info	0.5N NaOH-> CHCl3:YODA
User ID	N/A
Injection Time	Mon Apr 10 17:49:22 2023
Date Processed	Tue Apr 11 09:24:04 2023



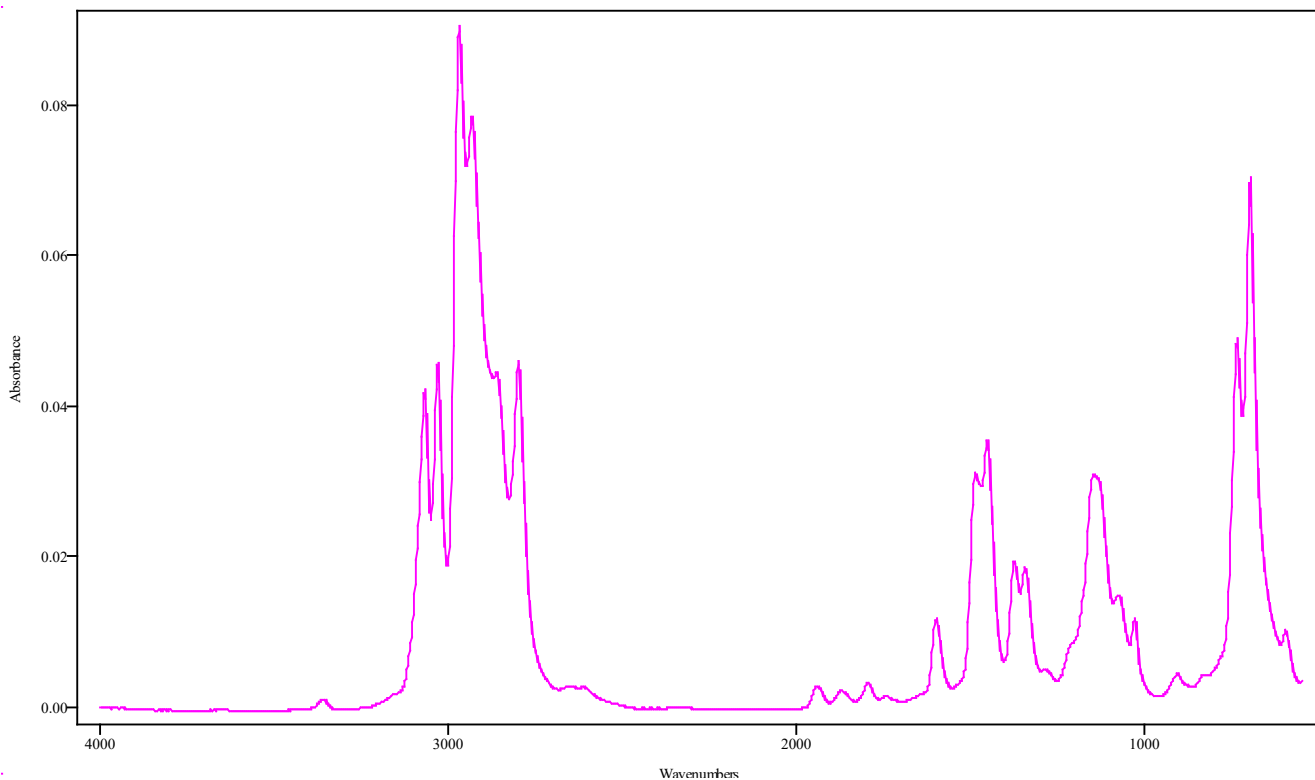
IRDATA.SPC: 1.37 minutes: AVE (1.35: 1.39) Ref. (1.10: 1.31) of GCIR STD MIX
2023_April_10_173532.cgm Amphetamine

Data Filename	GCIR STD MIX 2023_April_10_173532
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	6
Sample Name	GCIR STD Mix
Misc. Info	0.5N NaOH-> CHCl3:YODA
User ID	N/A
Injection Time	Mon Apr 10 17:49:22 2023
Date Processed	Tue Apr 11 09:24:04 2023



IRDATA.SPC: 1.46 minutes: AVE (1.41: 1.48) Ref. (1.10: 1.31) of GCIR STD MIX
2023_April_10_173532.cgm Phentermine

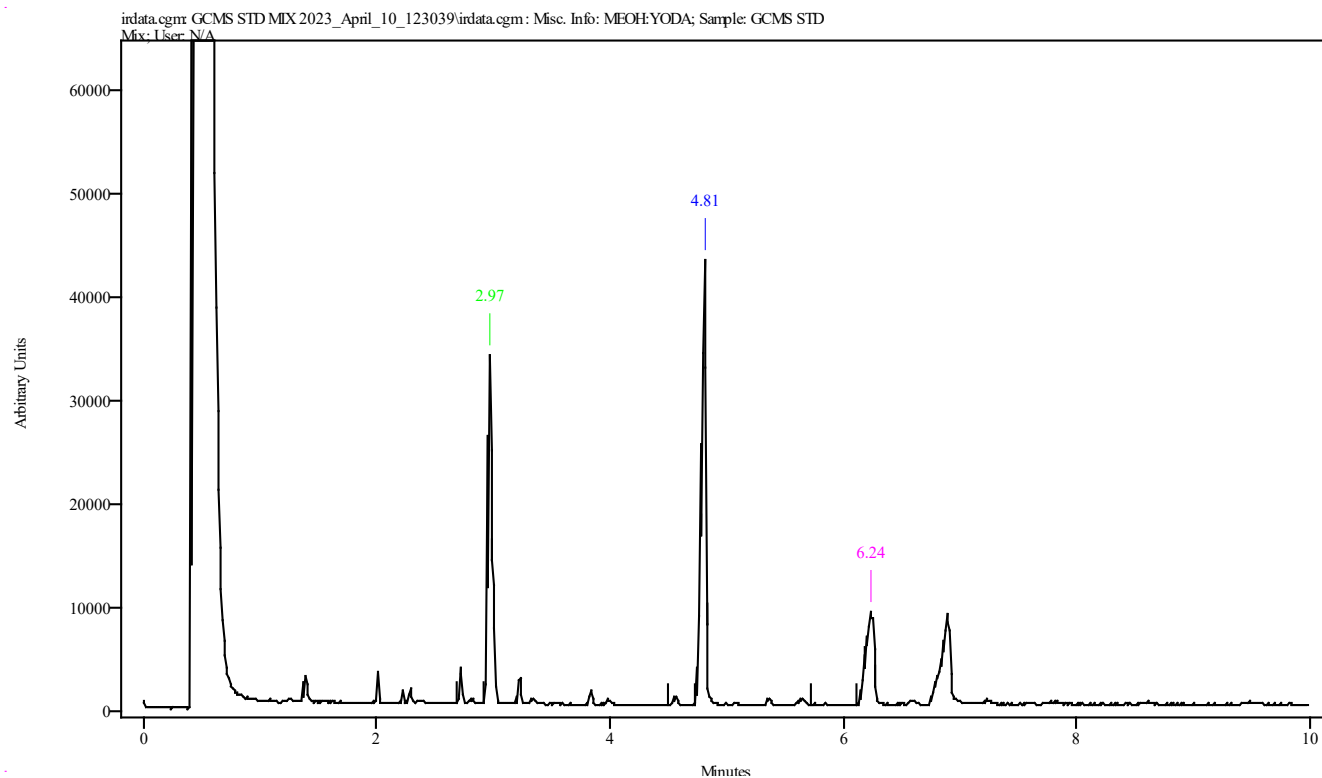
Data Filename	GCIR STD MIX 2023_April_10_173532
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	6
Sample Name	GCIR STD Mix
Misc. Info	0.5N NaOH-> CHCl3:YODA
User ID	N/A
Injection Time	Mon Apr 10 17:49:22 2023
Date Processed	Tue Apr 11 09:24:04 2023



IRDATA.SPC: 1.51 minutes: AVE (1.49: 1.53) Ref. (1.10: 1.31) of GCIR STD MIX
2023_April_10_173532.cgm Methamphetamine

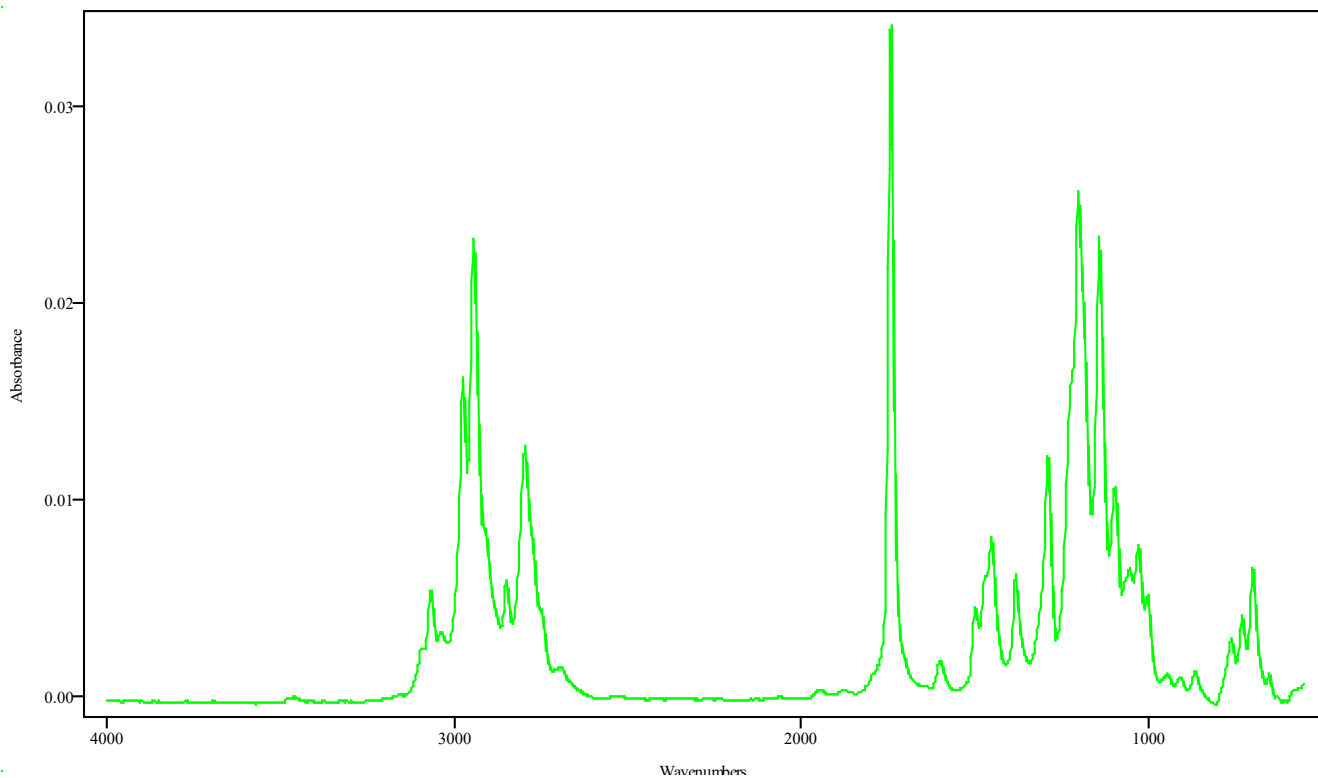
IRD Data Analysis Report

Data Filename	GCMS STD MIX 2023_April_10_123039
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDs
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	8
Sample Name	GCMS STD Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 12:44:28 2023
Date Processed	Mon Apr 10 15:05:13 2023



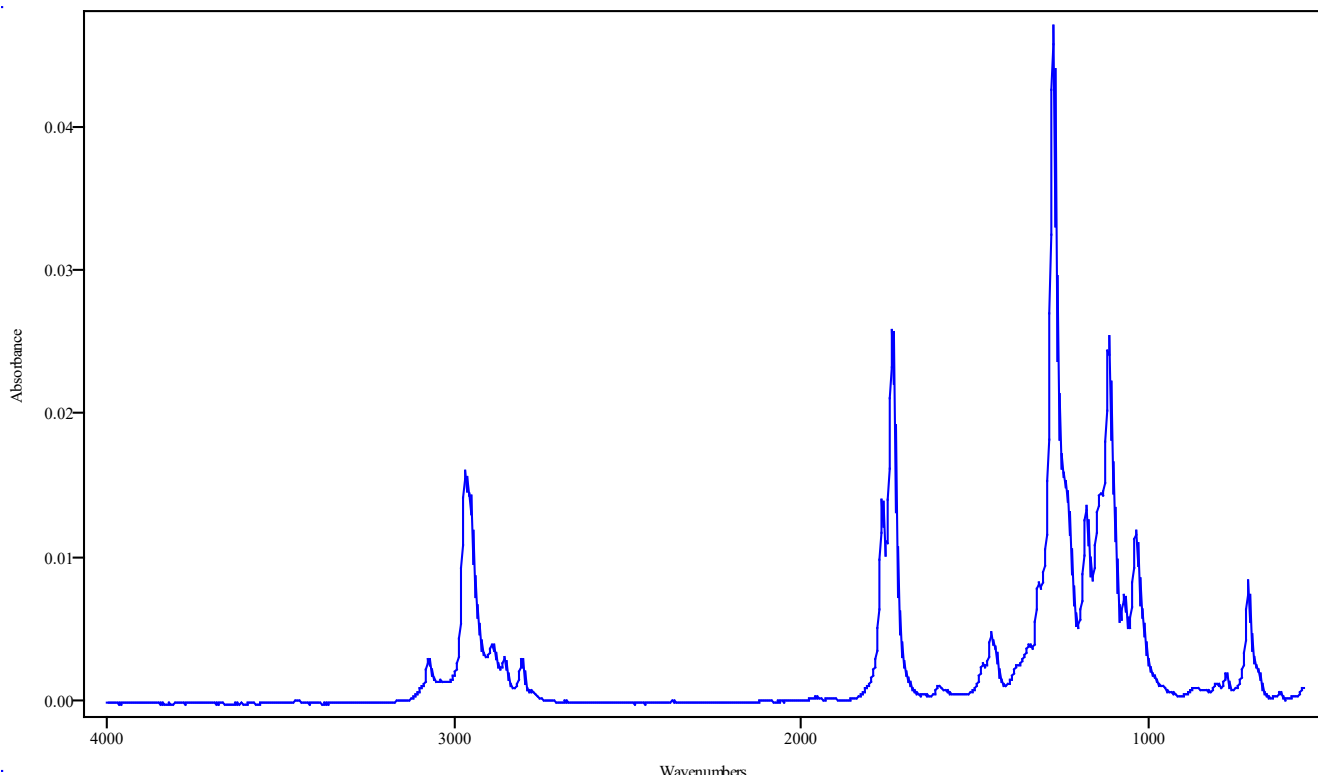
Peak Start	Peak End	Peak Width	Reference Start	Reference End
2.946	2.990	0.044	2.694	2.913
4.775	4.830	0.055	4.501	4.721
6.177	6.276	0.099	5.717	6.111

Data Filename	GCMS STD MIX 2023_April_10_123039
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	8
Sample Name	GCMS STD Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 12:44:28 2023
Date Processed	Mon Apr 10 15:05:13 2023



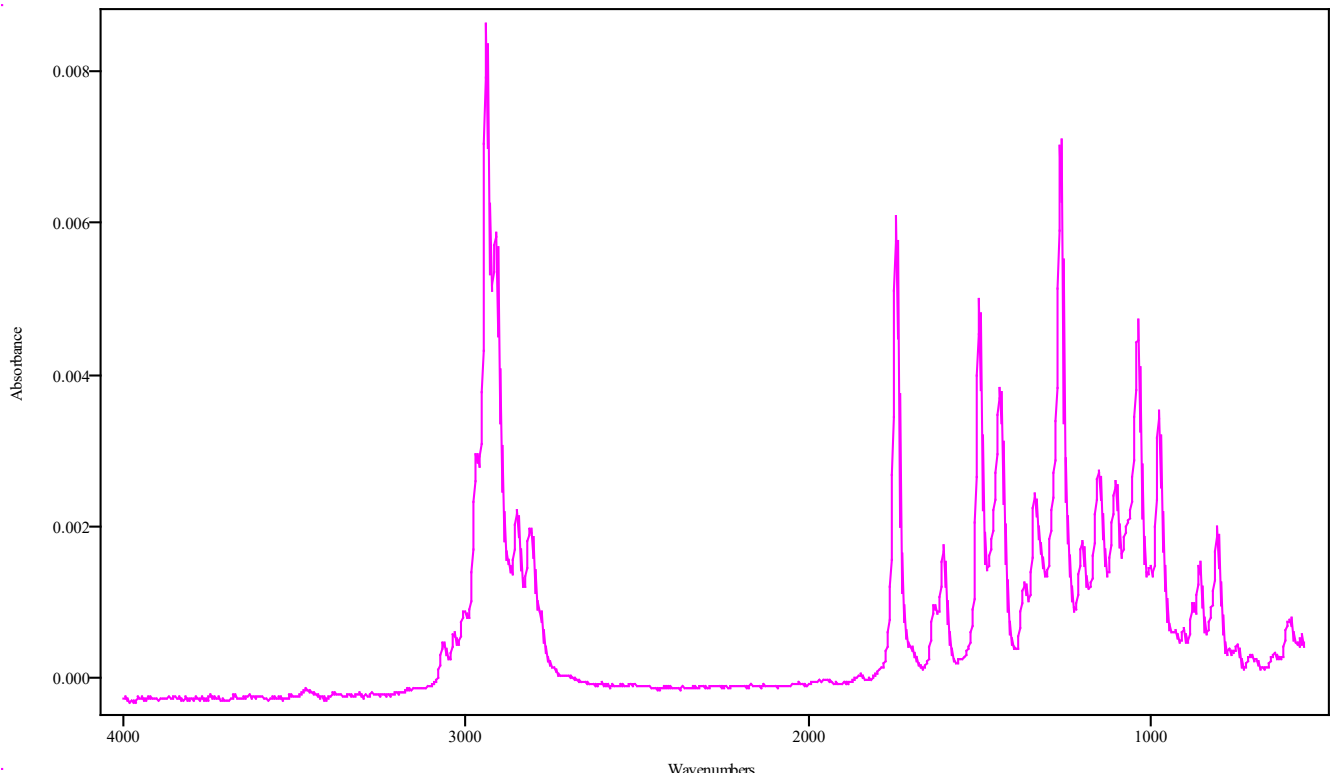
IRDATA.SPC: 2.97 minutes: AVE (2.95: 2.99) Ref. (2.69: 2.91) of GCMS STD MIX
 2023_April_10_123039.cgm Pethidine

Data Filename	GCMS STD MIX 2023_April_10_123039
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	8
Sample Name	GCMS STD Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 12:44:28 2023
Date Processed	Mon Apr 10 15:05:13 2023



IRDATA.SPC: 4.81 minutes: AVE (4.78: 4.83) Ref. (4.50: 4.72) of GCMS STD MIX
 2023_April_10_123039.cgm Cocaine

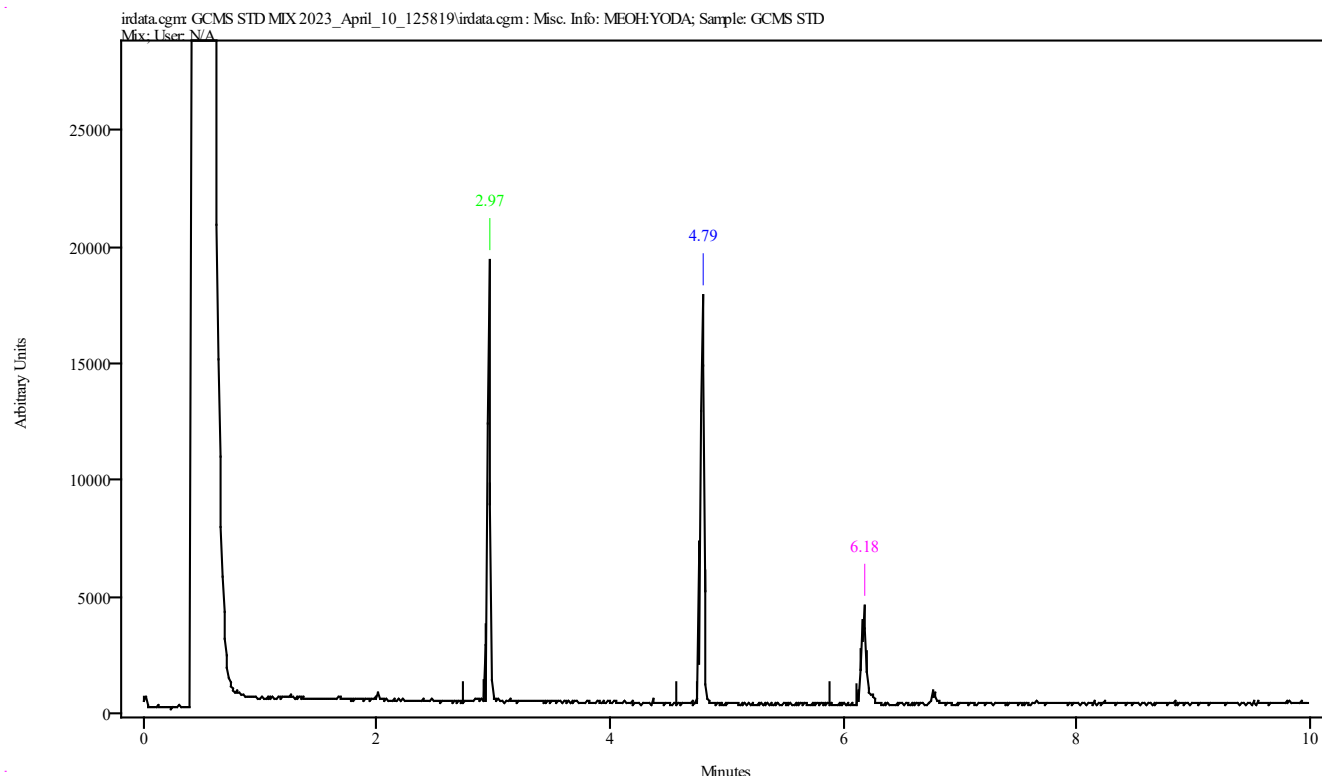
Data Filename	GCMS STD MIX 2023_April_10_123039
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	8
Sample Name	GCMS STD Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 12:44:28 2023
Date Processed	Mon Apr 10 15:05:13 2023



IRDATA.SPC: 6.24 minutes: AVE (6.18: 6.28) Ref. (5.72: 6.11) of GCMS STD MIX
2023_April_10_123039.cgm Hydrocodone

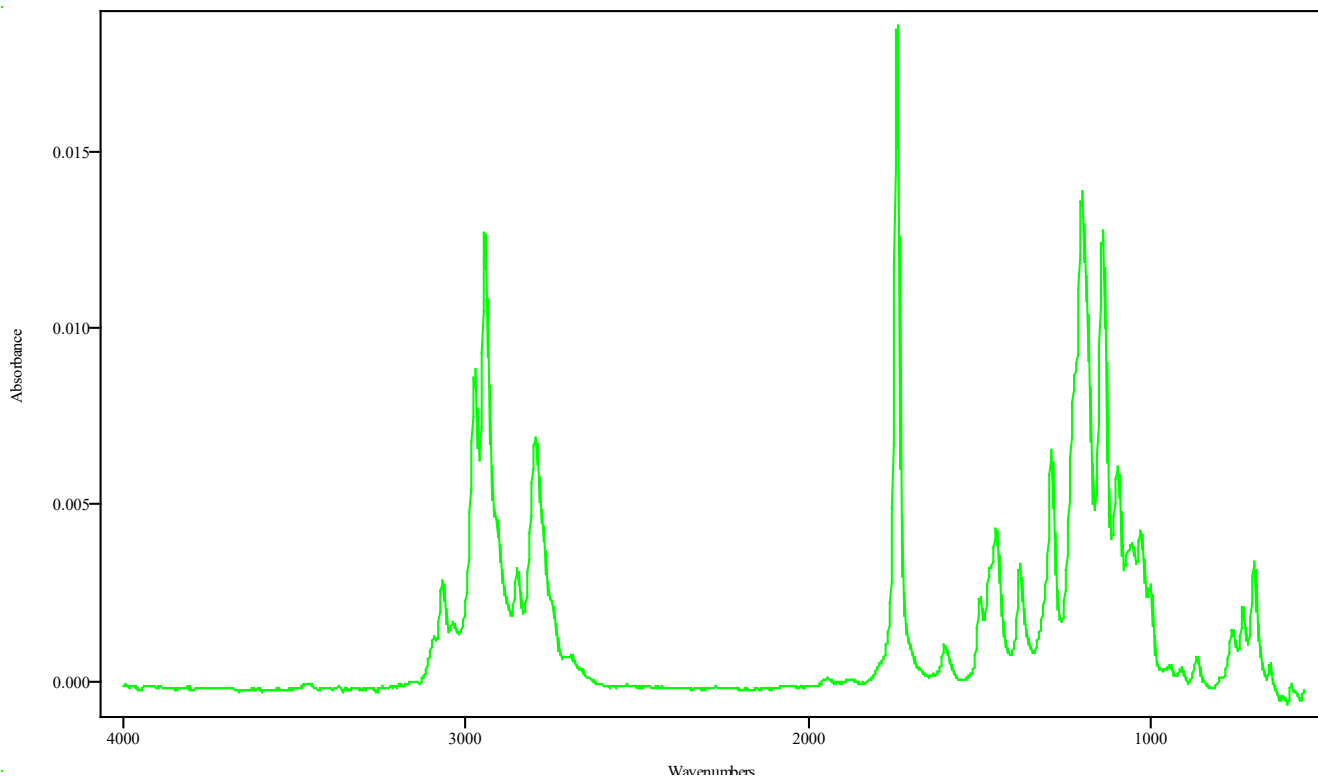
IRD Data Analysis Report

Data Filename	GCMS STD MIX 2023_April_10_125819
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDs
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	8
Sample Name	GCMS STD Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 13:12:11 2023
Date Processed	Mon Apr 10 15:06:47 2023



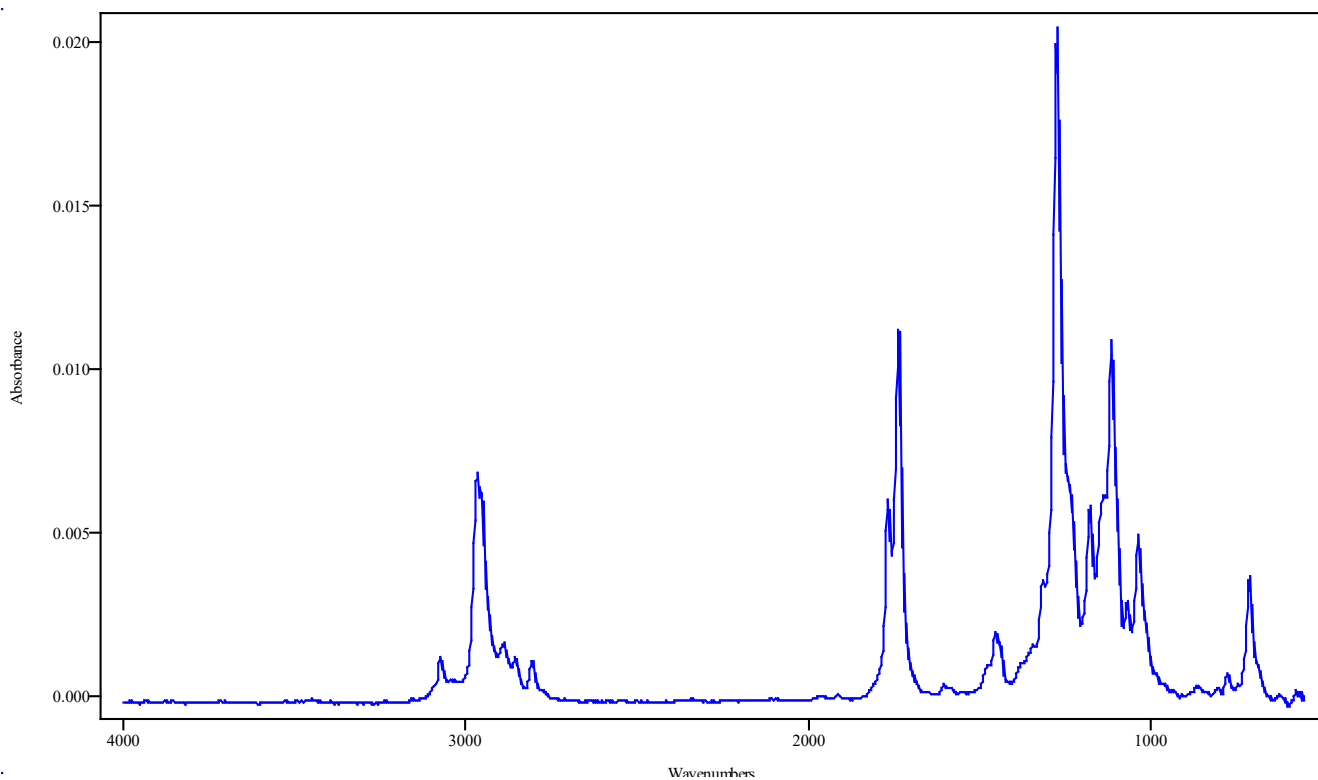
Peak Start	Peak End	Peak Width	Reference Start	Reference End
2.944	2.977	0.033	2.747	2.922
4.772	4.816	0.044	4.564	4.739
6.151	6.206	0.055	5.888	6.107

Data Filename	GCMS STD MIX 2023_April_10_125819
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	8
Sample Name	GCMS STD Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 13:12:11 2023
Date Processed	Mon Apr 10 15:06:47 2023



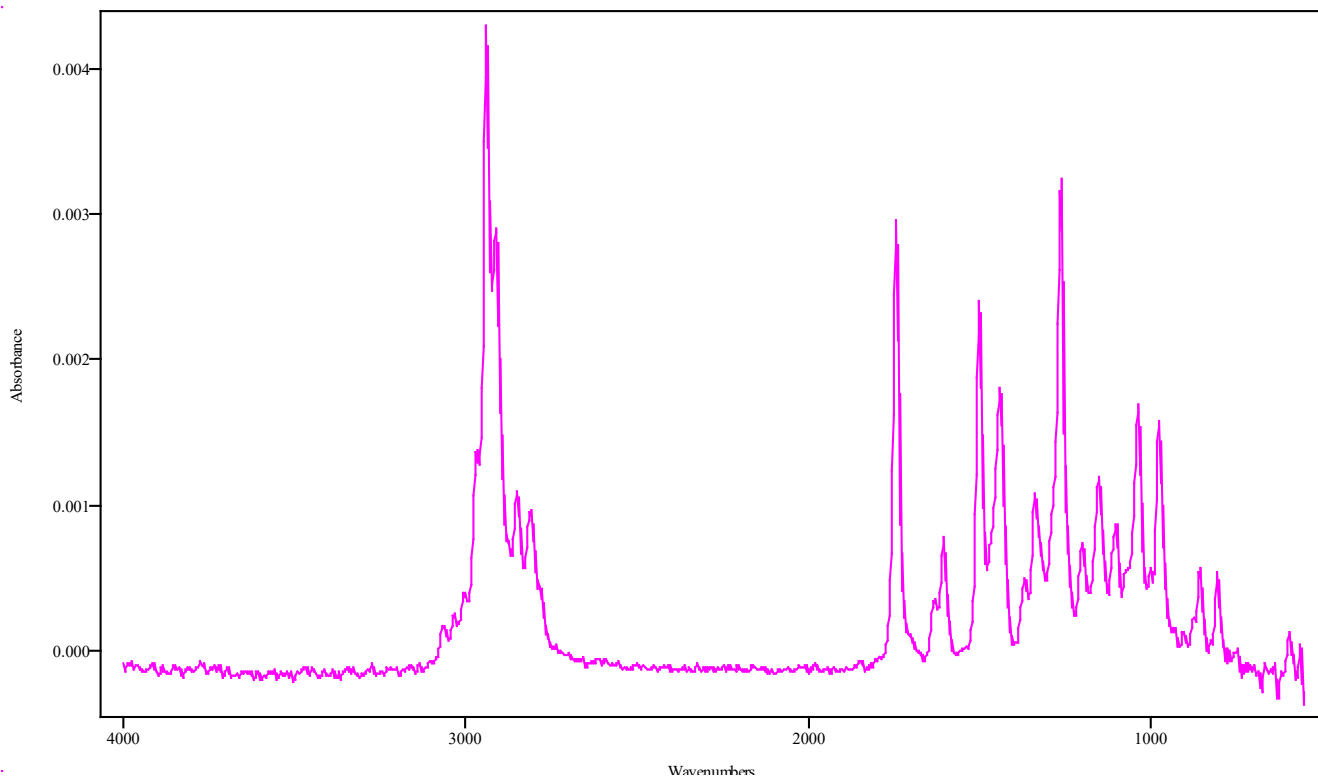
IRDATA.SPC: 2.97 minutes: AVE (2.94: 2.98) Ref. (2.75: 2.92) of GCMS STD MIX
2023_April_10_125819.cgm Pethidine

Data Filename	GCMS STD MIX 2023_April_10_125819
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	8
Sample Name	GCMS STD Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 13:12:11 2023
Date Processed	Mon Apr 10 15:06:47 2023



IRDATA.SPC: 4.79 minutes: AVE (4.77: 4.82) Ref. (4.56: 4.74) of GCMS STD MIX
 2023_April_10_125819.cgm Cocaine

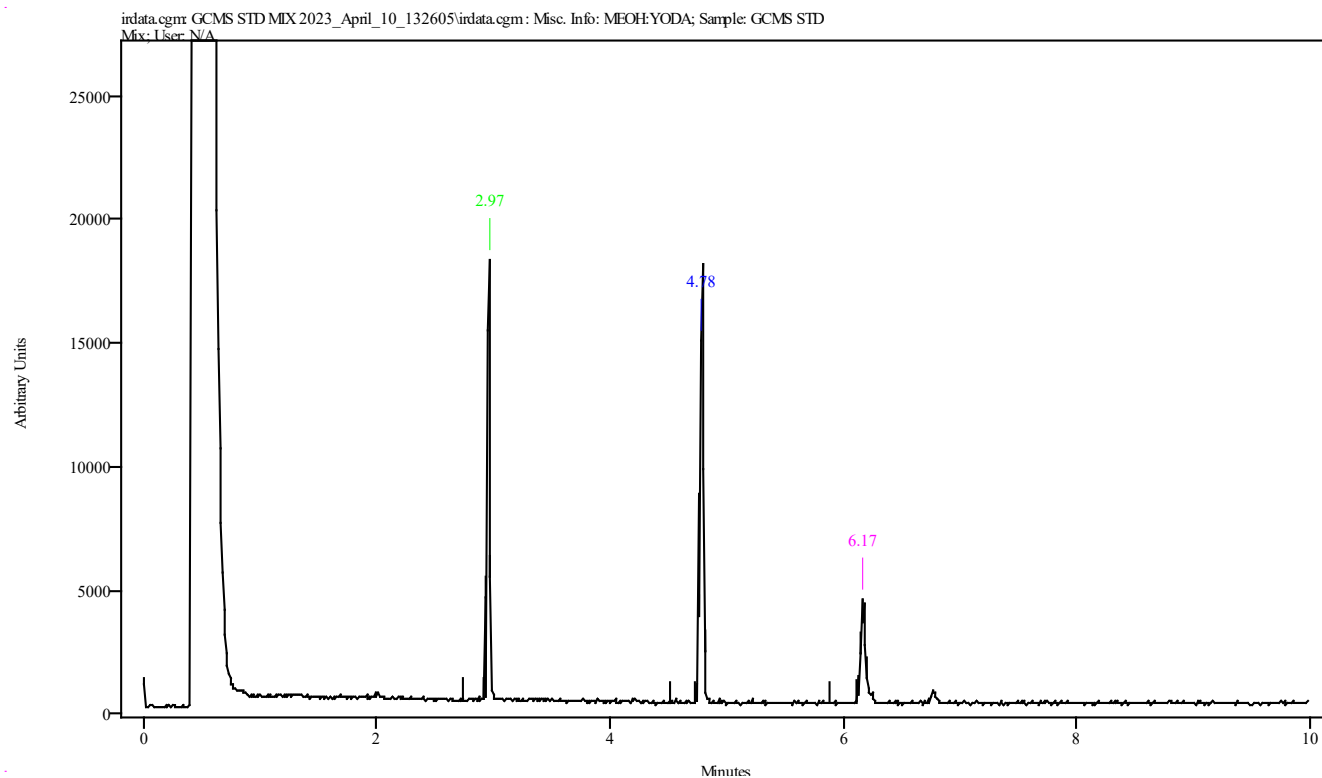
Data Filename	GCMS STD MIX 2023_April_10_125819
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	8
Sample Name	GCMS STD Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 13:12:11 2023
Date Processed	Mon Apr 10 15:06:47 2023



IRDATA.SPC: 6.18 minutes: AVE (6.15: 6.21) Ref. (5.89: 6.11) of GCMS STD MIX
2023_April_10_125819.cgm Hydrocodone

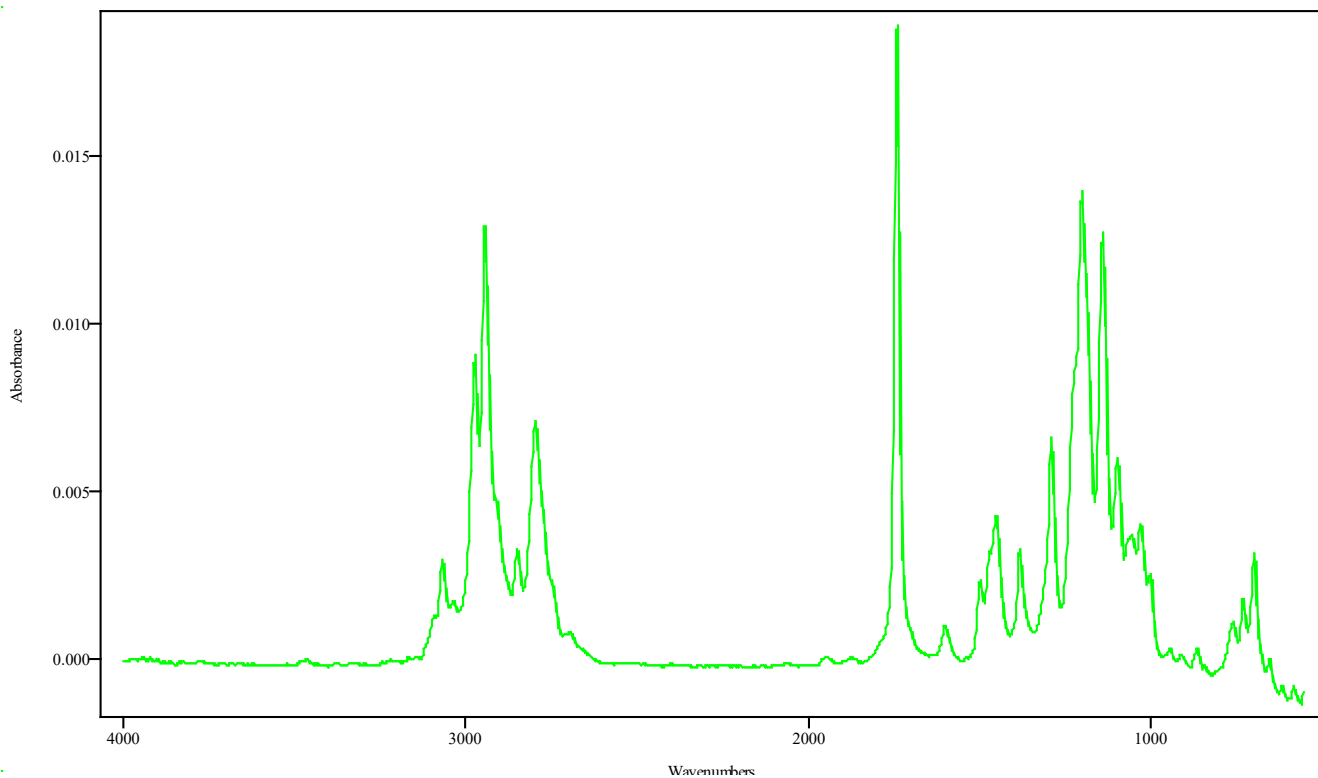
IRD Data Analysis Report

Data Filename	GCMS STD MIX 2023_April_10_132605
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	8
Sample Name	GCMS STD Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 13:39:55 2023
Date Processed	Mon Apr 10 15:07:56 2023



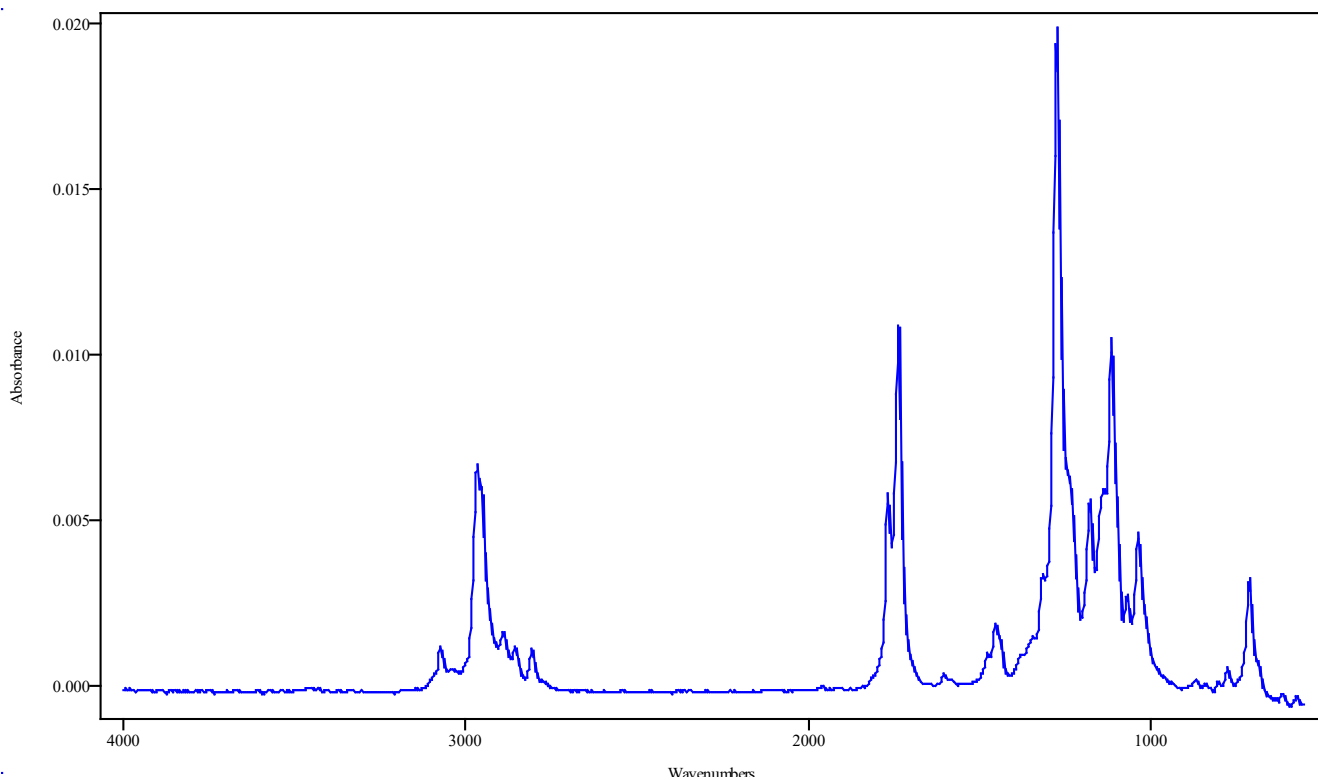
Peak Start	Peak End	Peak Width	Reference Start	Reference End
2.943	2.976	0.033	2.746	2.922
4.760	4.815	0.055	4.508	4.727
6.149	6.204	0.055	5.887	6.106

Data Filename	GCMS STD MIX 2023_April_10_132605
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	8
Sample Name	GCMS STD Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 13:39:55 2023
Date Processed	Mon Apr 10 15:07:56 2023



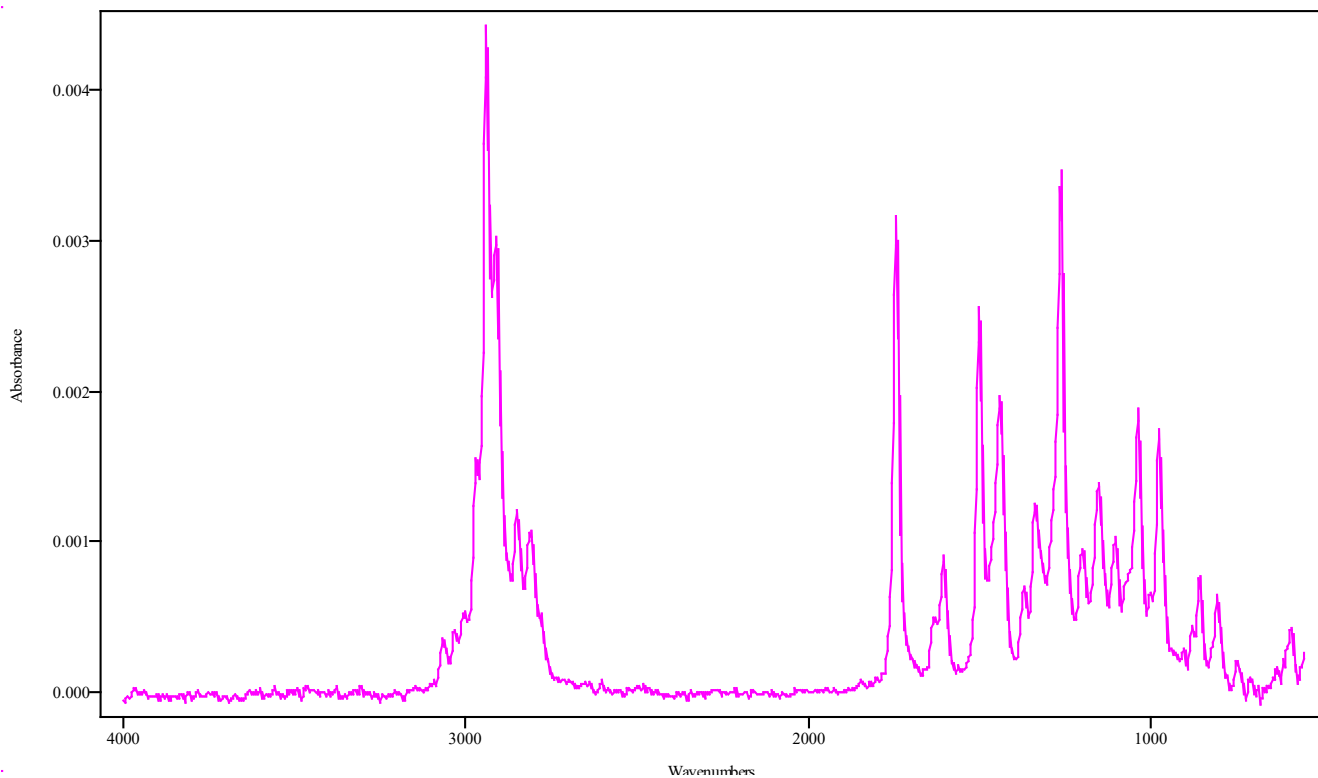
IRDATA.SPC: 2.97 minutes: AVE (2.94: 2.98) Ref. (2.75: 2.92) of GCMS STD MIX
2023_April_10_132605.cgm Pethidine

Data Filename	GCMS STD MIX 2023_April_10_132605
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	8
Sample Name	GCMS STD Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 13:39:55 2023
Date Processed	Mon Apr 10 15:07:56 2023



IRDATA.SPC: 4.78 minutes: AVE (4.76: 4.81) Ref. (4.51: 4.73) of GCMS STD MIX
2023_April_10_132605.cgm Cocaine

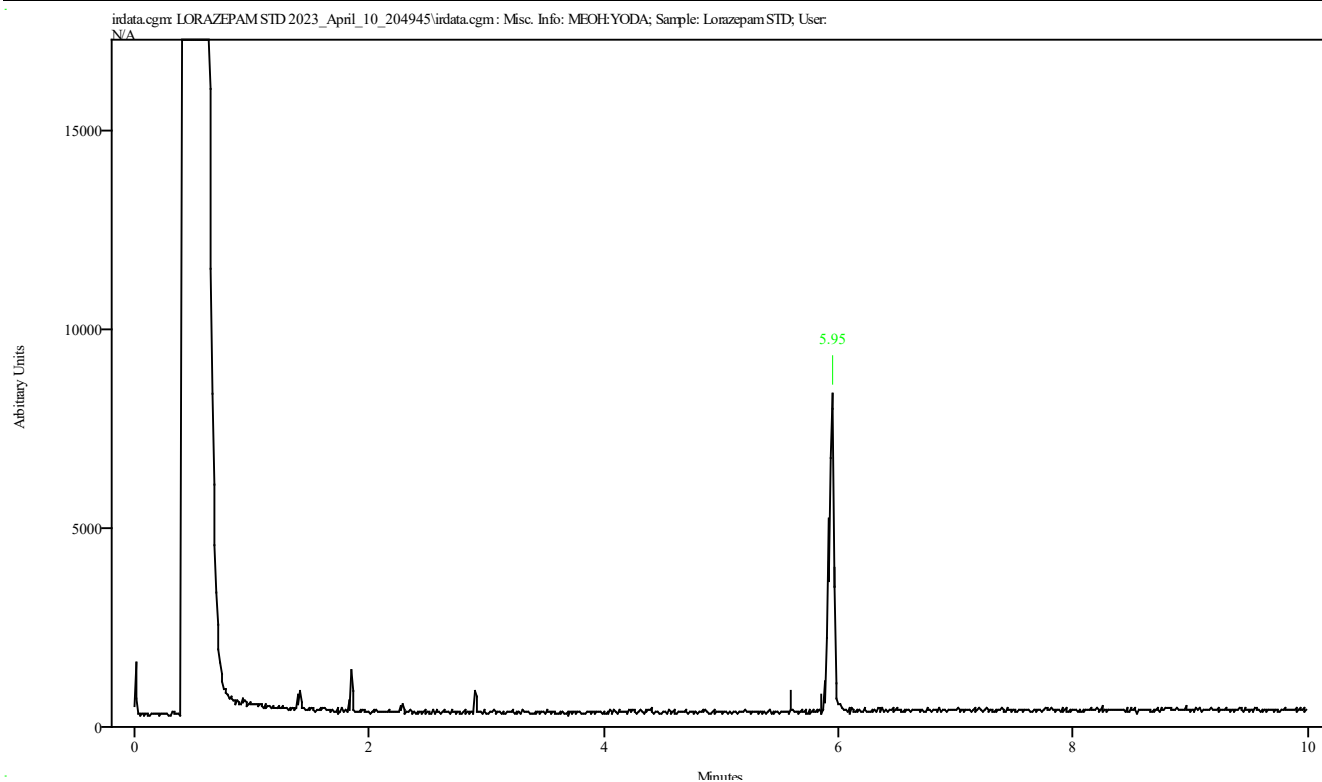
Data Filename	GCMS STD MIX 2023_April_10_132605
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	8
Sample Name	GCMS STD Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 13:39:55 2023
Date Processed	Mon Apr 10 15:07:56 2023



IRDATA.SPC: 6.17 minutes: AVE (6.15: 6.20) Ref. (5.89: 6.11) of GCMS STD MIX
2023_April_10_132605.cgm Hydrocodone

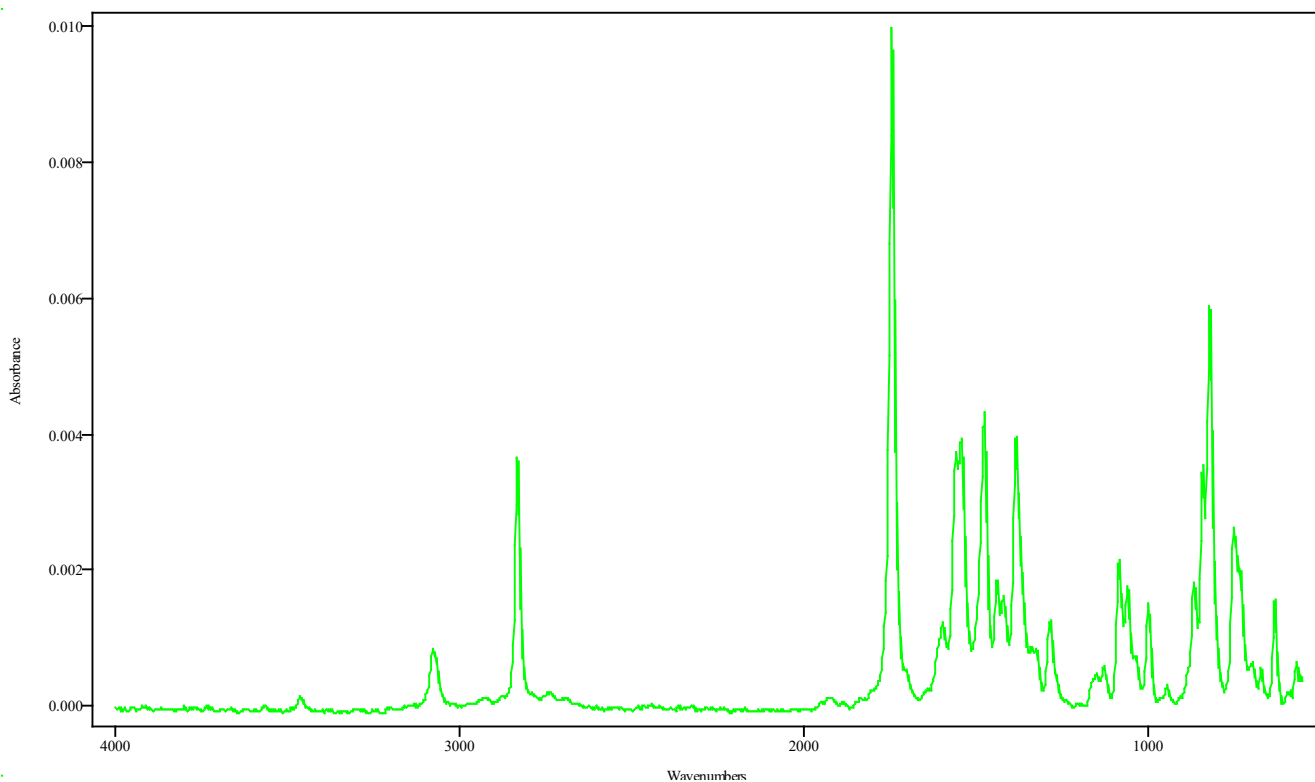
IRD Data Analysis Report

Data Filename	LORAZEPAM STD 2023_April_10_204945
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	10
Sample Name	Lorazepam STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 21:03:36 2023
Date Processed	Tue Apr 11 09:26:41 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
5.915	5.970	0.055	5.598	5.860

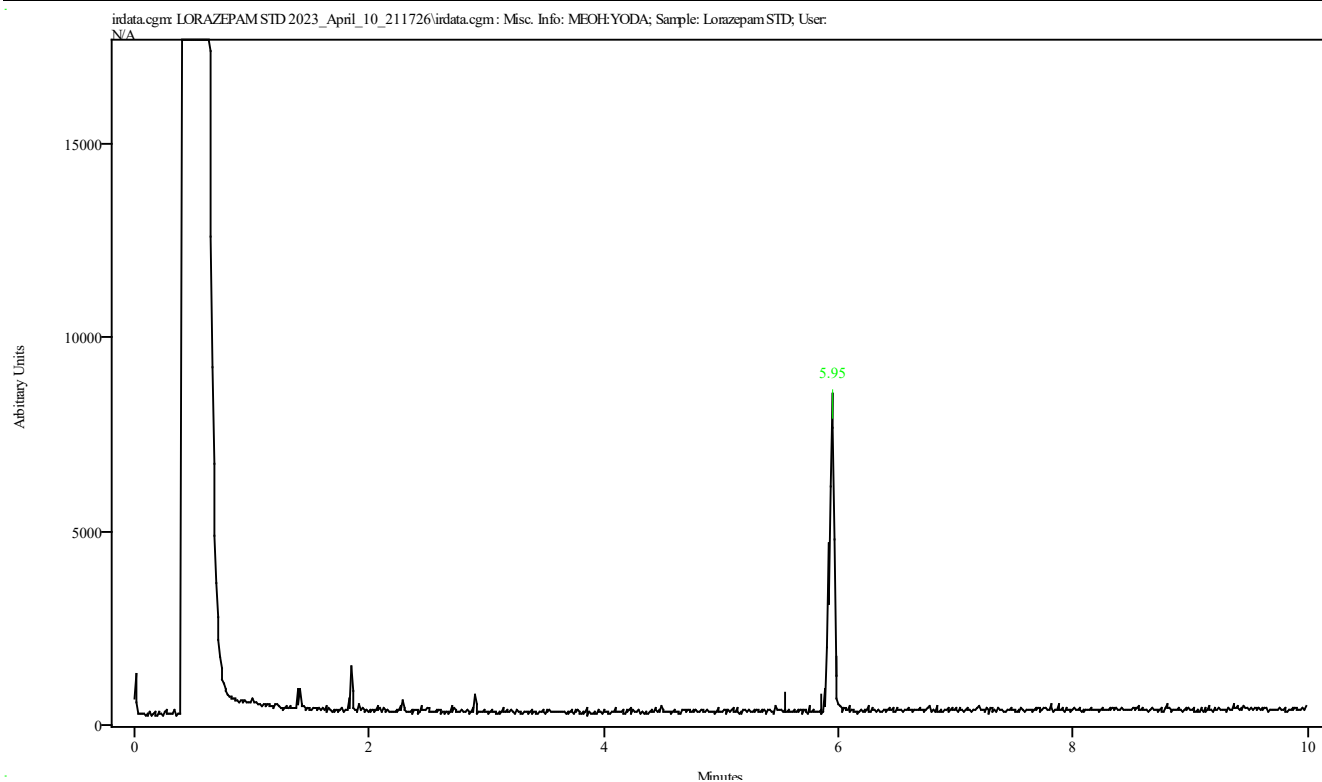
Data Filename	LORAZEPAM STD 2023_April_10_204945
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	10
Sample Name	Lorazepam STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 21:03:36 2023
Date Processed	Tue Apr 11 09:26:41 2023



IRDATA.SPC: 5.95 minutes: AVE (5.92: 5.97) Ref. (5.60: 5.86) of LORAZEPAM STD
2023_April_10_204945.cgm

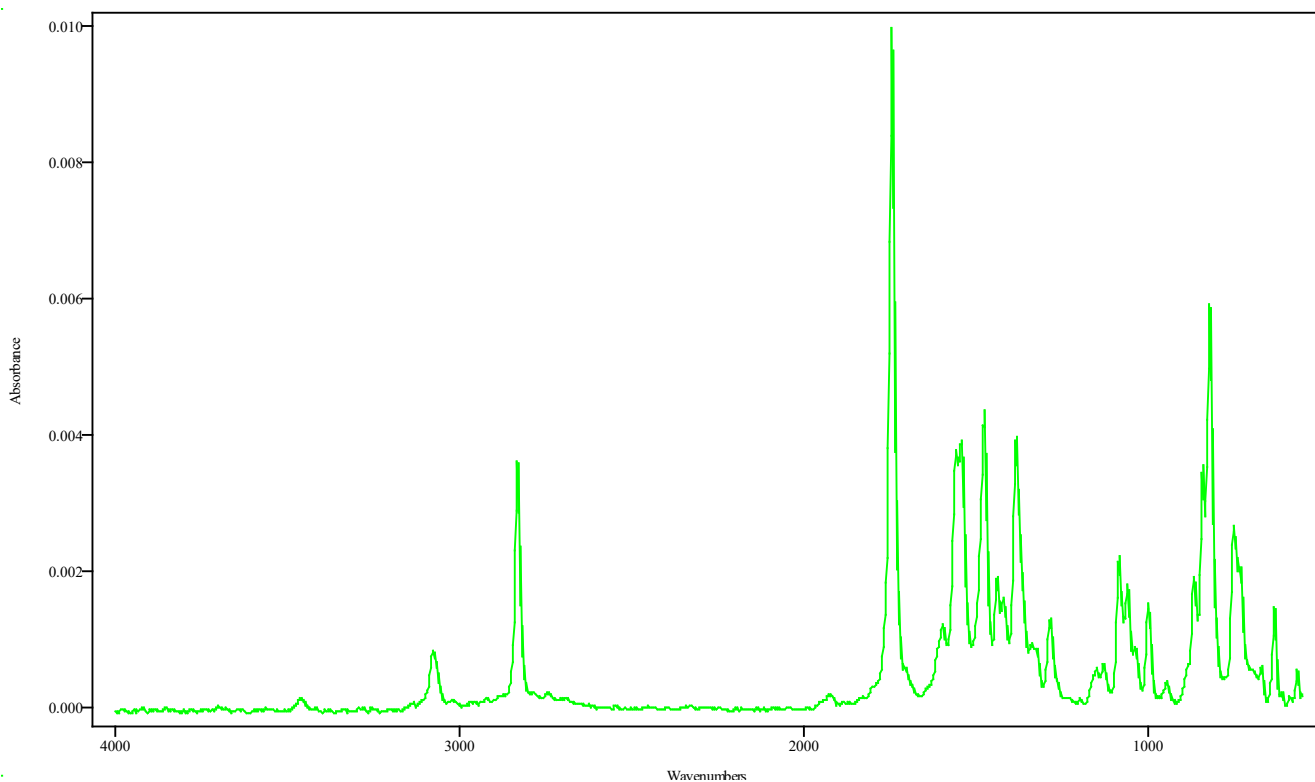
IRD Data Analysis Report

Data Filename	LORAZEPAM STD 2023_April_10_211726
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	10
Sample Name	Lorazepam STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 21:31:20 2023
Date Processed	Tue Apr 11 09:28:01 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
5.917	5.983	0.066	5.555	5.862

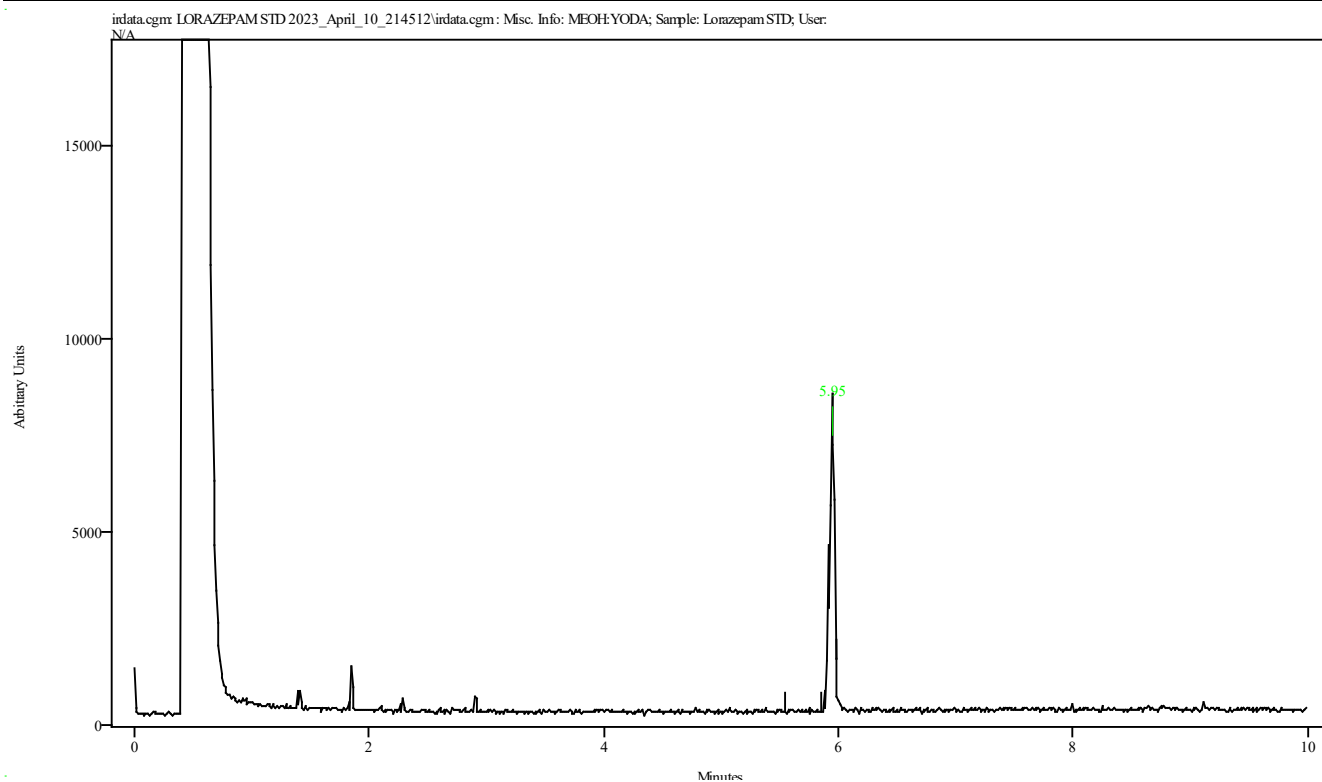
Data Filename	LORAZEPAM STD 2023_April_10_211726
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	10
Sample Name	Lorazepam STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 21:31:20 2023
Date Processed	Tue Apr 11 09:28:01 2023



IRDATA.SPC: 5.95 minutes: AVE (5.92: 5.98) Ref. (5.56: 5.86) of LORAZEPAM STD
2023_April_10_211726.cgm

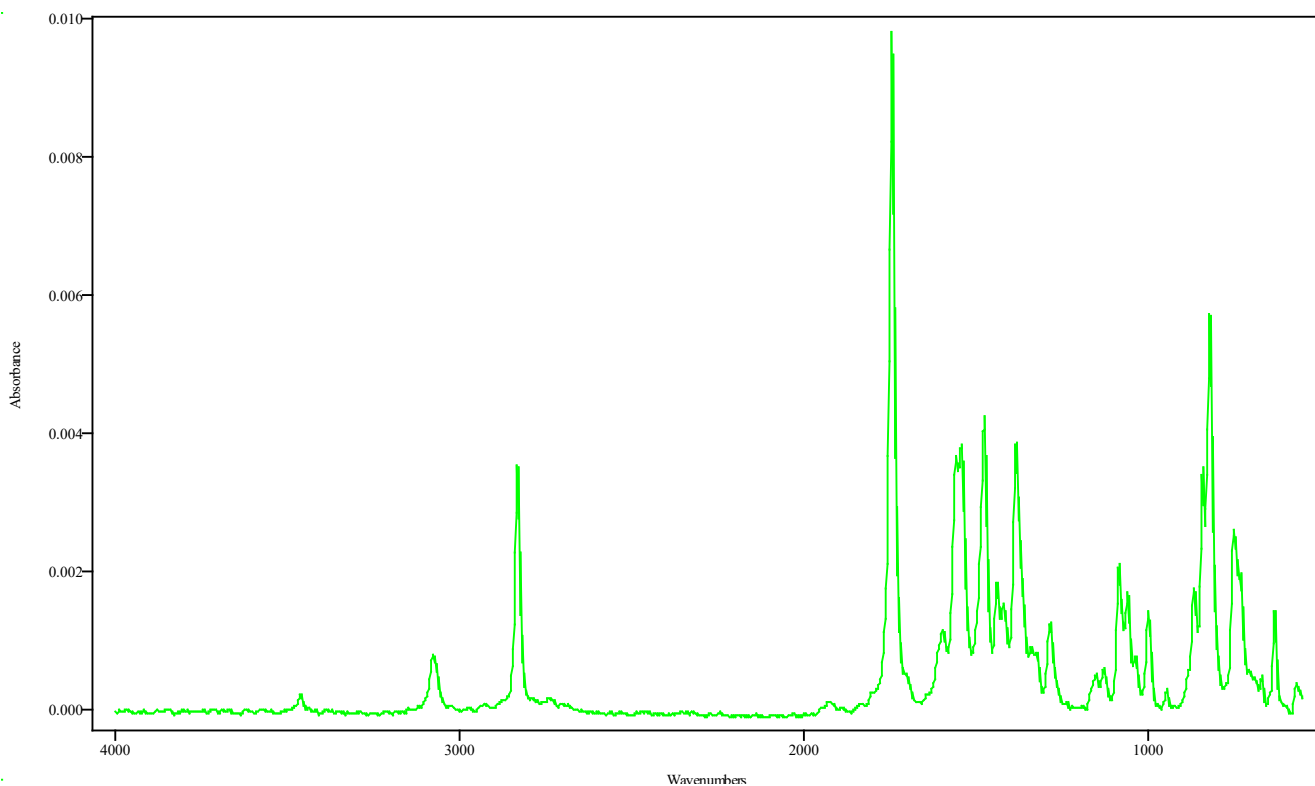
IRD Data Analysis Report

Data Filename	LORAZEPAM STD 2023_April_10_214512
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	10
Sample Name	Lorazepam STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 21:59:03 2023
Date Processed	Tue Apr 11 09:29:24 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
5.917	5.982	0.066	5.555	5.862

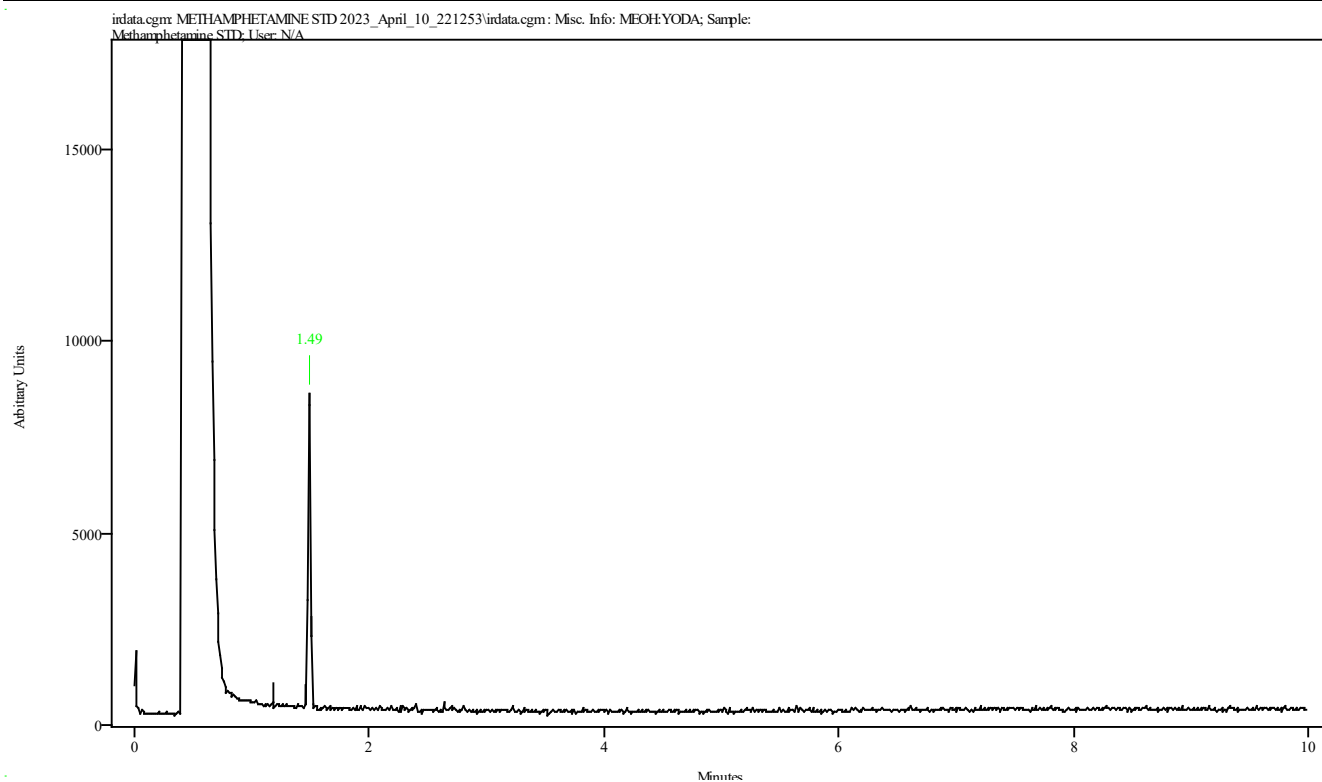
Data Filename	LORAZEPAM STD 2023_April_10_214512
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	10
Sample Name	Lorazepam STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 21:59:03 2023
Date Processed	Tue Apr 11 09:29:24 2023



IRDATA.SPC: 5.95 minutes: AVE (5.92: 5.98) Ref. (5.55: 5.86) of LORAZEPAM STD
2023_April_10_214512.cgm

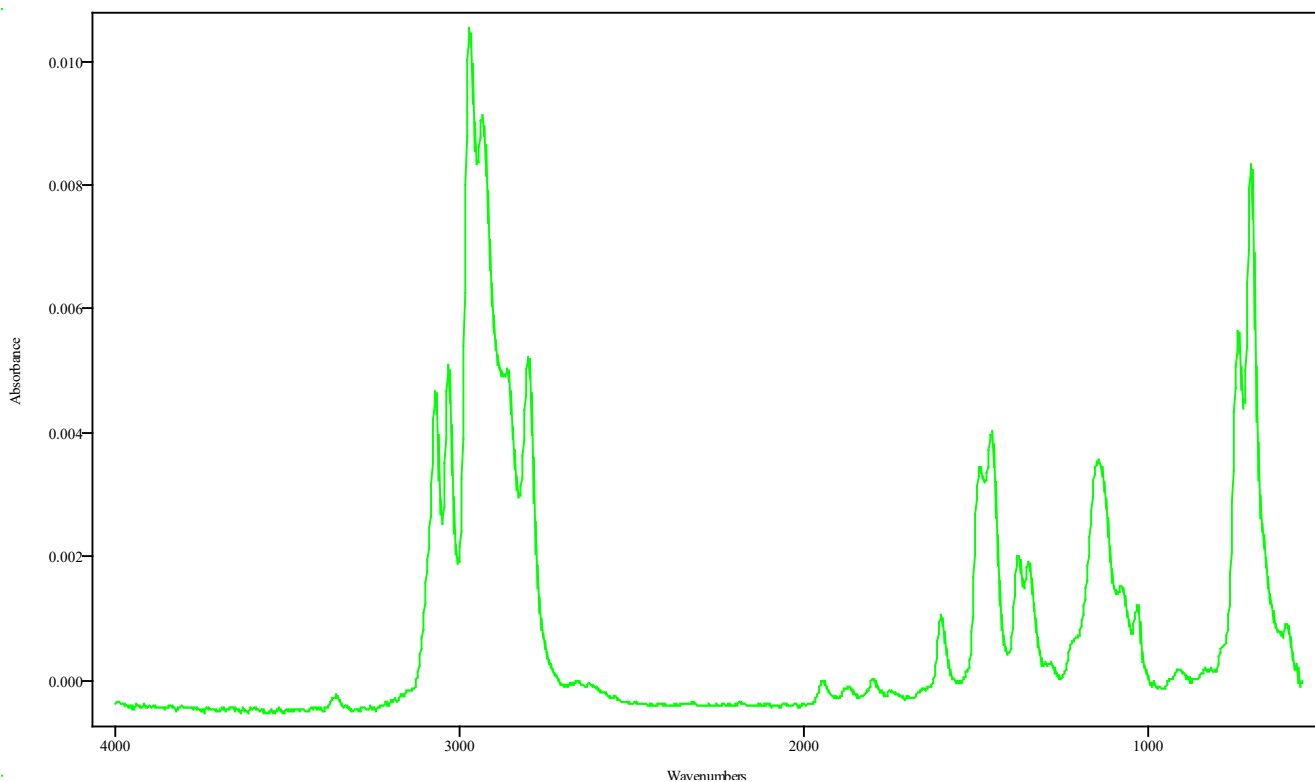
IRD Data Analysis Report

Data Filename	METHAMPHETAMINE STD 2023_April_10_221253
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	11
Sample Name	Methamphetamine STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 22:26:43 2023
Date Processed	Tue Apr 11 09:30:37 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
1.456	1.511	0.055	1.194	1.456

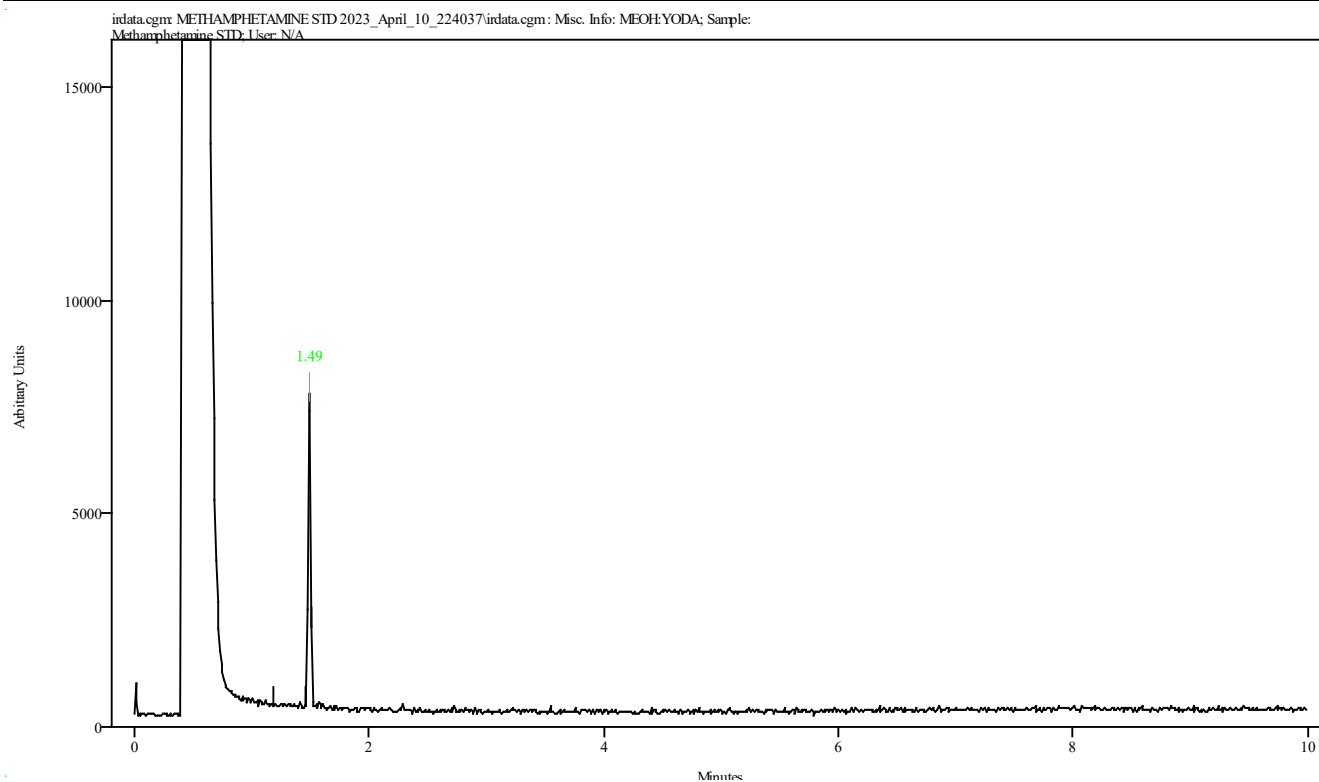
Data Filename	METHAMPHETAMINE STD 2023_April_10_221253
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	11
Sample Name	Methamphetamine STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 22:26:43 2023
Date Processed	Tue Apr 11 09:30:37 2023



IRDATA.SPC: 1.49 minutes: AVE (1.46: 1.51) Ref. (1.19: 1.46) of METHAMPHETAMINE STD 2023_April_10_221253.cgm

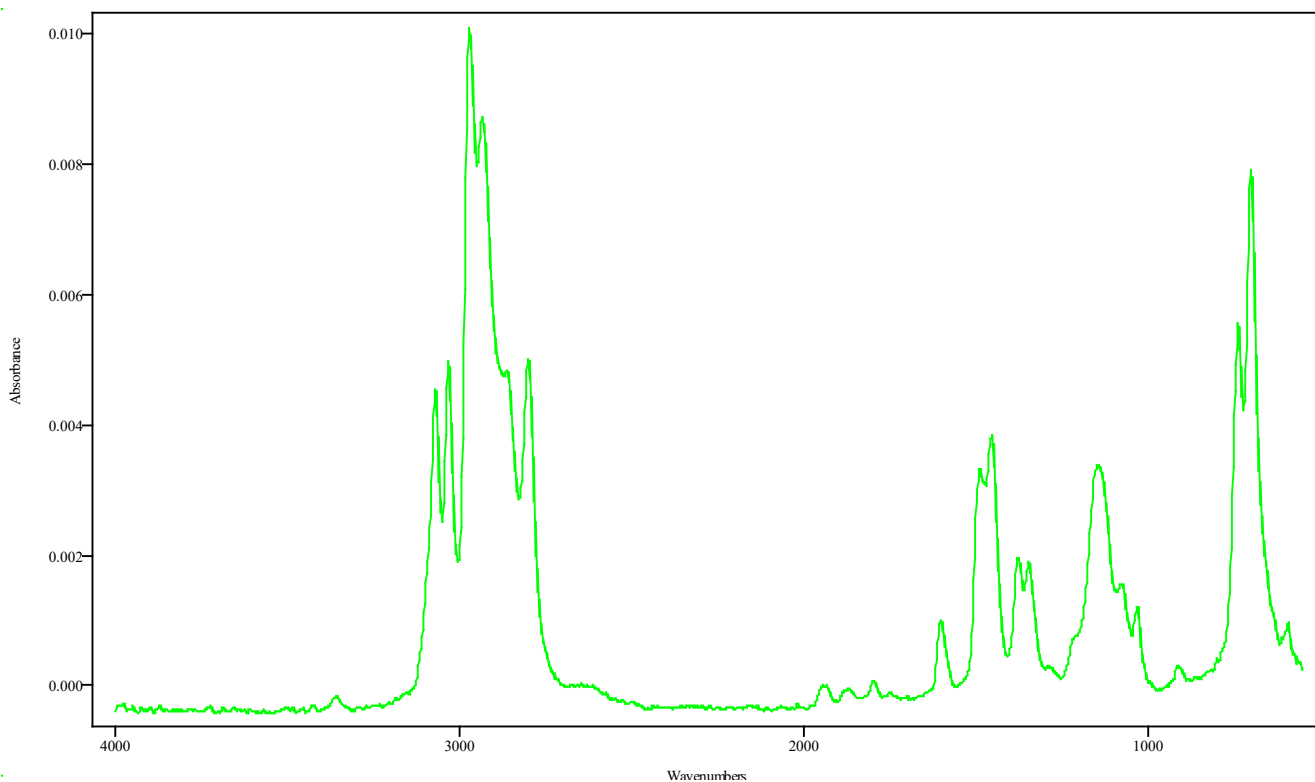
IRD Data Analysis Report

Data Filename	METHAMPHETAMINE STD 2023_April_10_224037
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	11
Sample Name	Methamphetamine STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 22:54:27 2023
Date Processed	Tue Apr 11 09:31:35 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
1.457	1.512	0.055	1.194	1.457

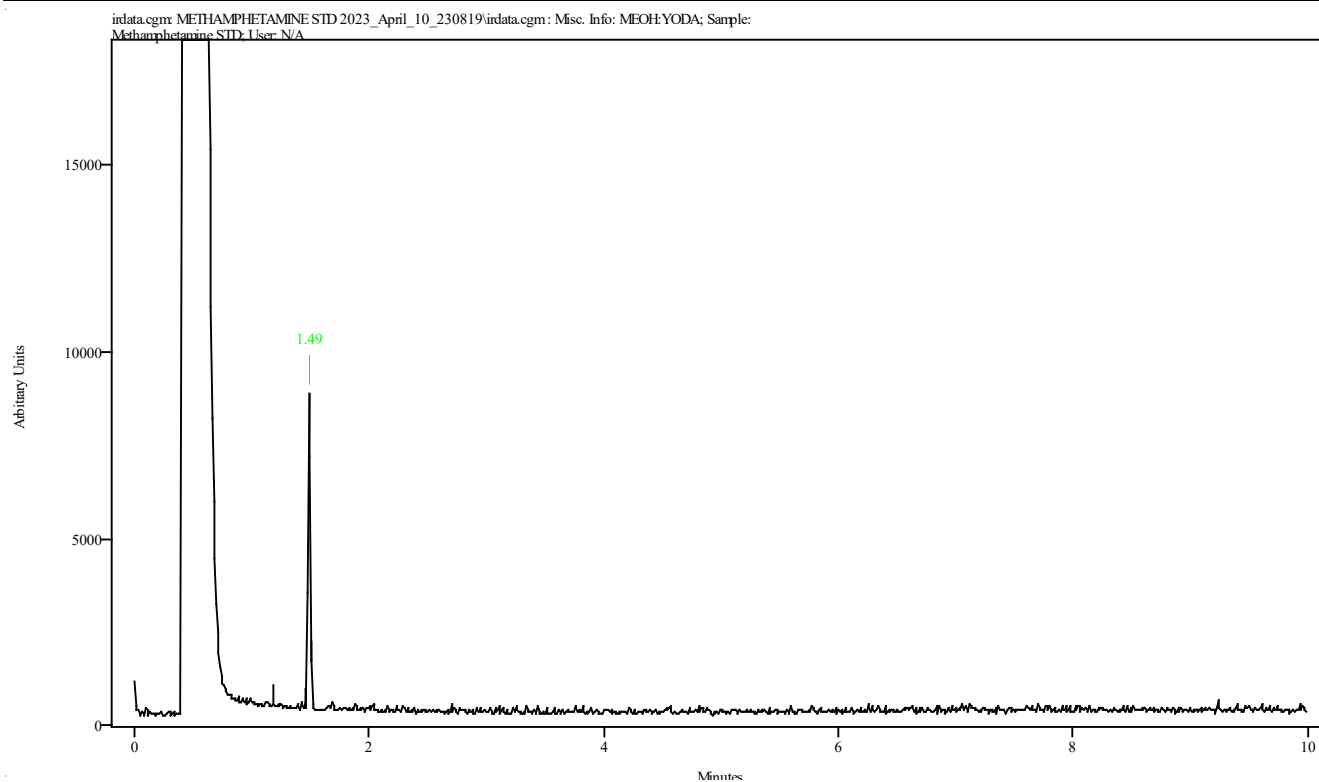
Data Filename	METHAMPHETAMINE STD 2023_April_10_224037
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	11
Sample Name	Methamphetamine STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 22:54:27 2023
Date Processed	Tue Apr 11 09:31:35 2023



IRDATA.SPC: 1.49 minutes: AVE (1.46: 1.51) Ref. (1.19: 1.46) of METHAMPHETAMINE STD 2023_April_10_224037.cgm

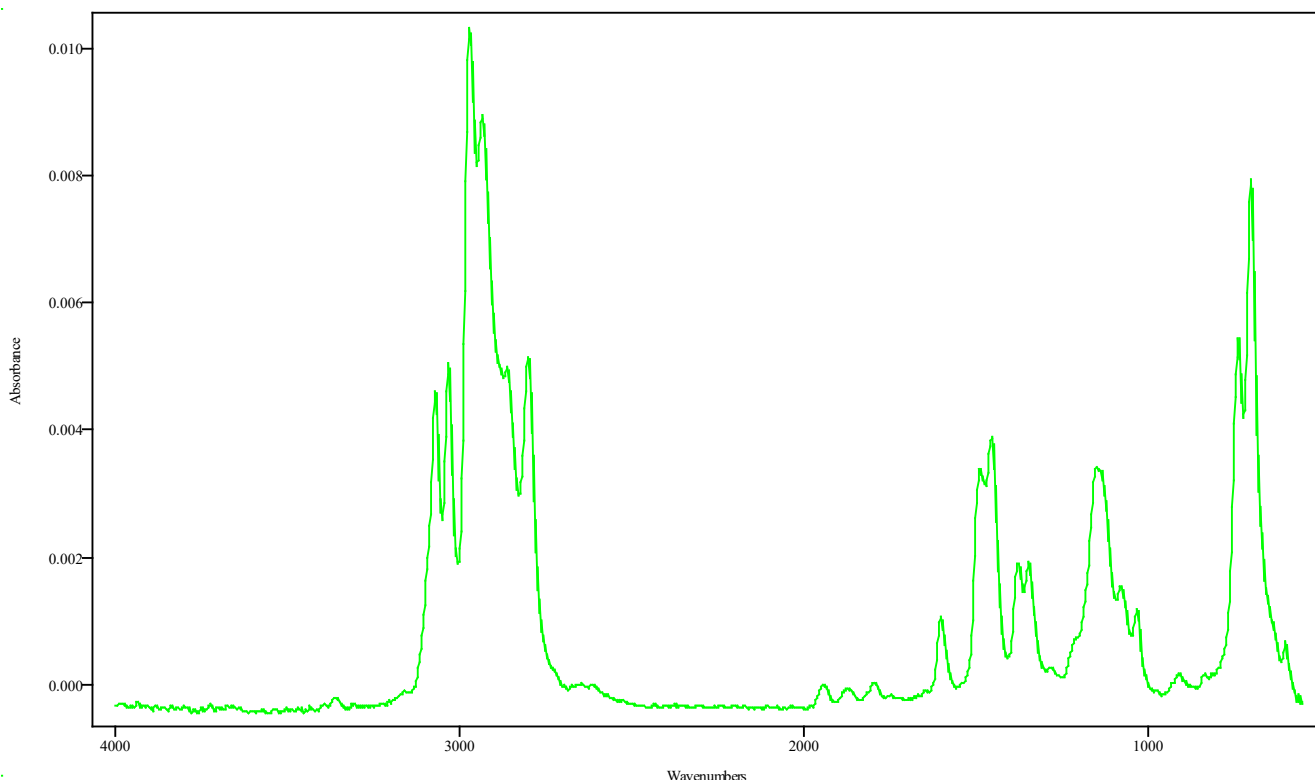
IRD Data Analysis Report

Data Filename	METHAMPHETAMINE STD 2023_April_10_230819
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	11
Sample Name	Methamphetamine STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 23:22:09 2023
Date Processed	Tue Apr 11 09:32:46 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
1.457	1.512	0.055	1.194	1.457

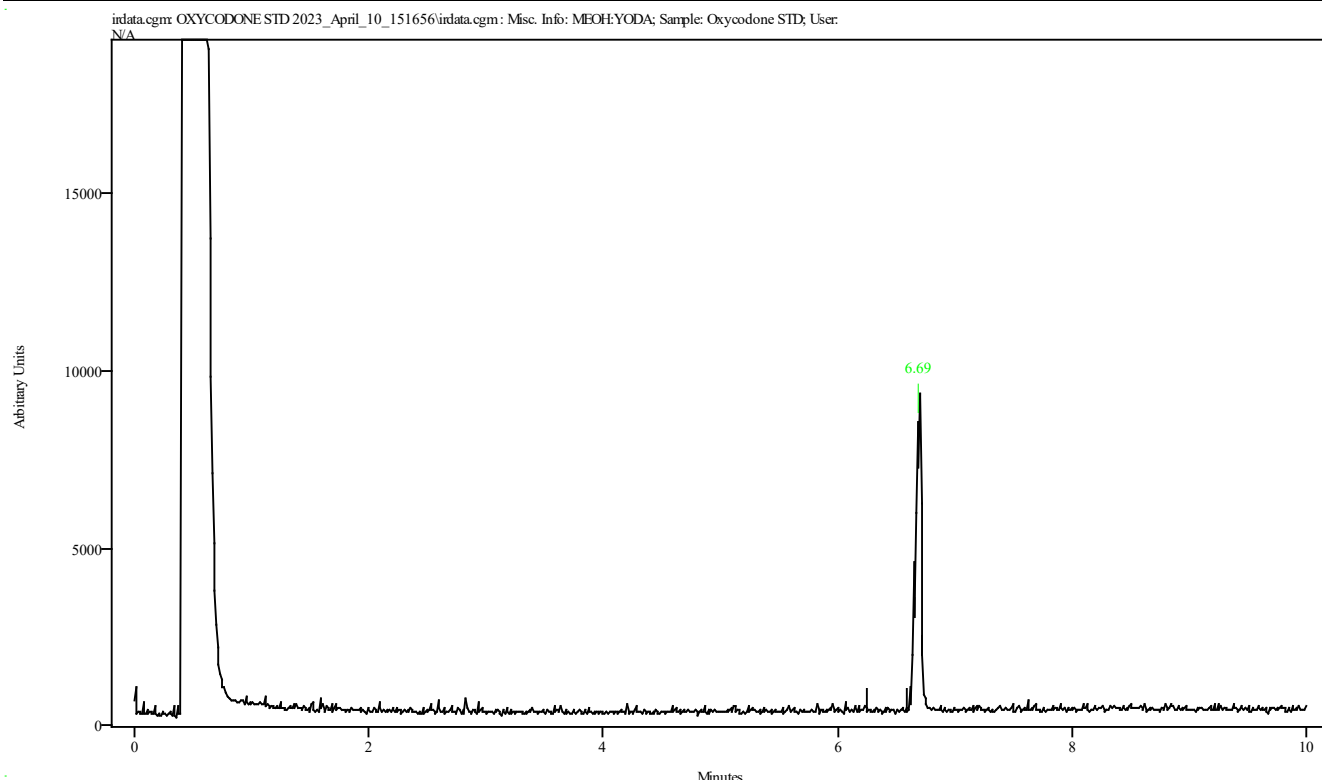
Data Filename	METHAMPHETAMINE STD 2023_April_10_230819
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	11
Sample Name	Methamphetamine STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 23:22:09 2023
Date Processed	Tue Apr 11 09:32:46 2023



IRDATA.SPC: 1.49 minutes: AVE (1.46: 1.51) Ref. (1.19: 1.46) of METHAMPHETAMINE STD 2023_April_10_230819.cgm

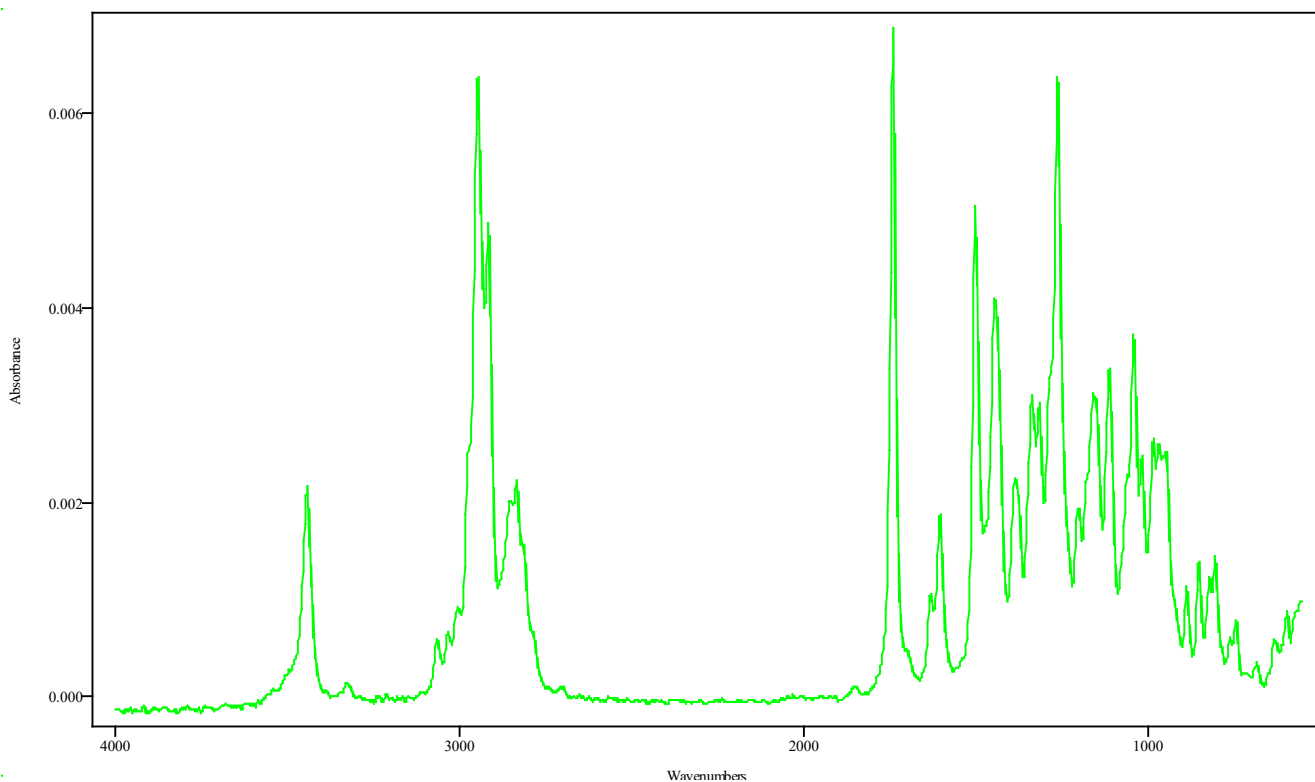
IRD Data Analysis Report

Data Filename	OXYCODONE STD 2023_April_10_151656
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	5
Sample Name	Oxycodone STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 15:30:46 2023
Date Processed	Tue Apr 11 09:34:46 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
6.646	6.723	0.077	6.241	6.591

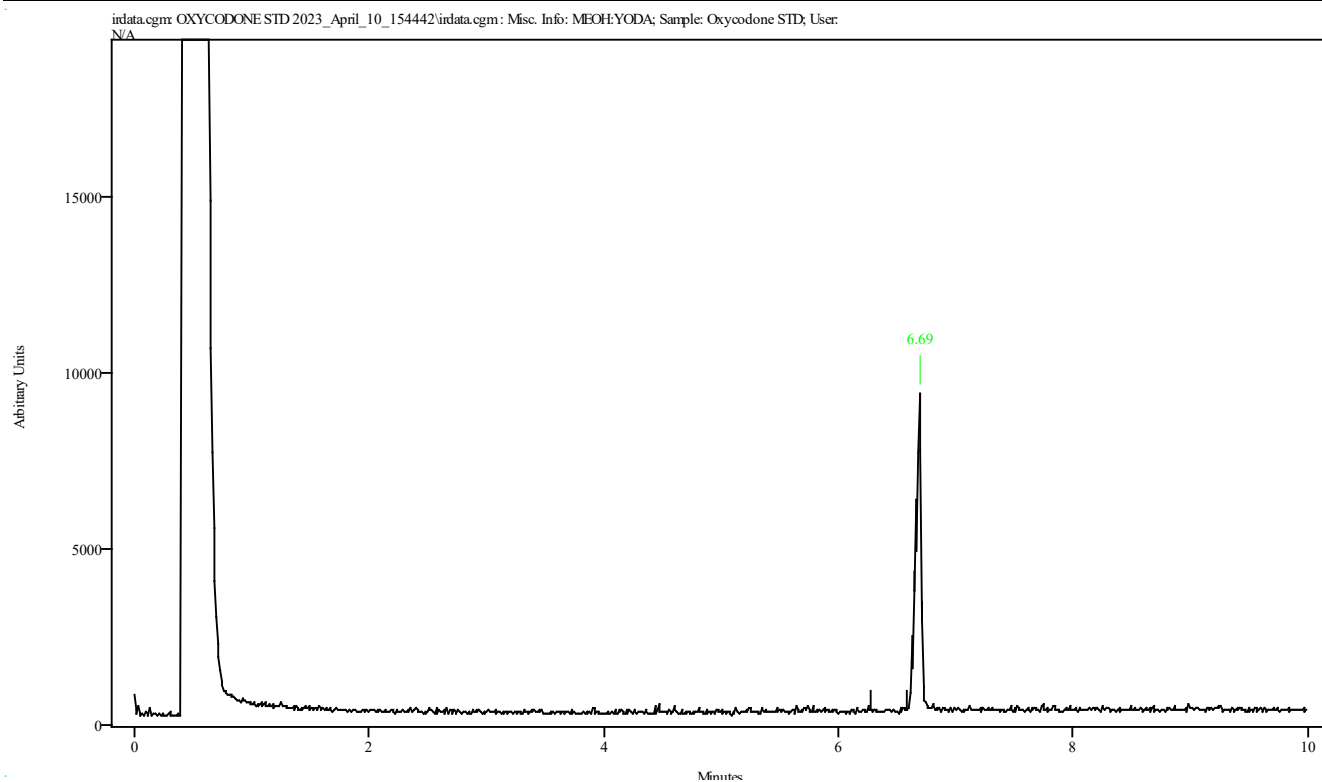
Data Filename	OXYCODONE STD 2023_April_10_151656
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	5
Sample Name	Oxycodone STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 15:30:46 2023
Date Processed	Tue Apr 11 09:34:46 2023



IRDATA.SPC: 6.69 minutes: AVE (6.65: 6.72) Ref. (6.24: 6.59) of OXYCODONE STD
2023_April_10_151656.cgm

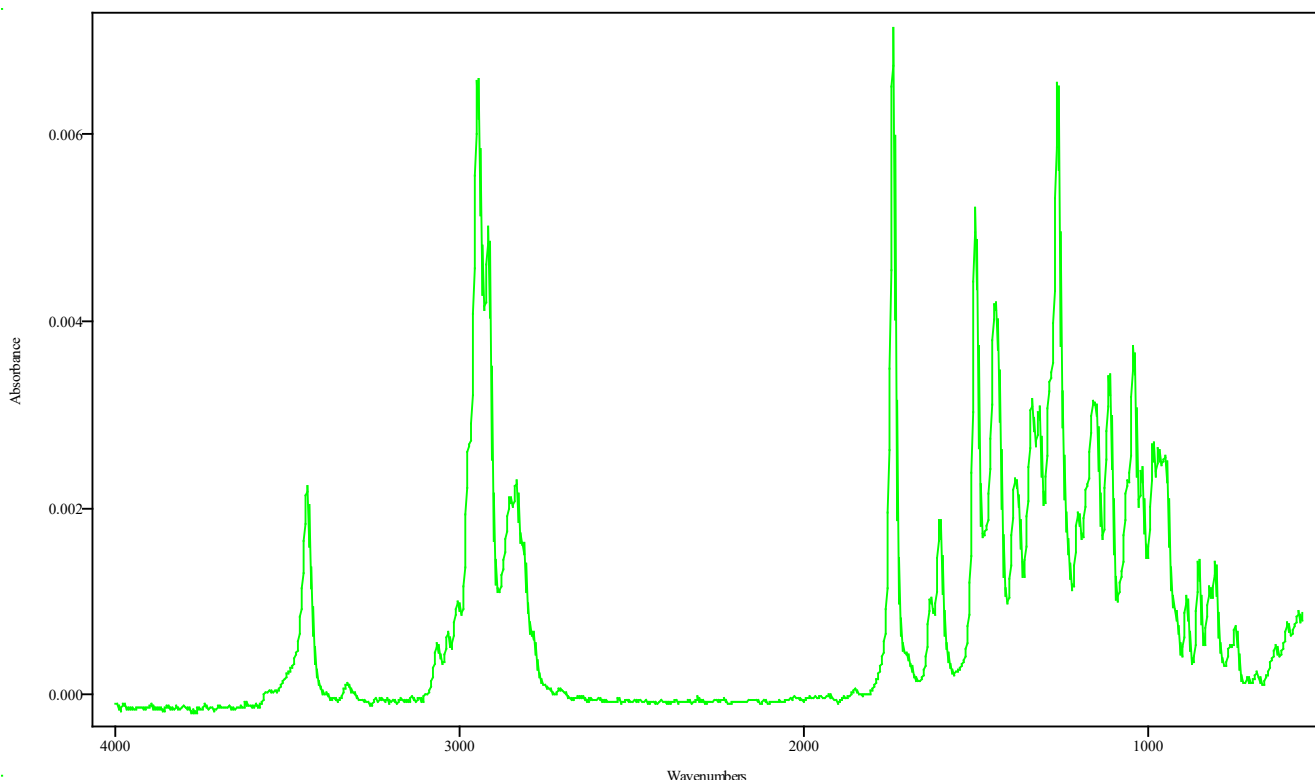
IRD Data Analysis Report

Data Filename	OXYCODONE STD 2023_April_10_154442
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	5
Sample Name	Oxycodone STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 15:58:32 2023
Date Processed	Tue Apr 11 09:36:23 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
6.649	6.715	0.066	6.277	6.584

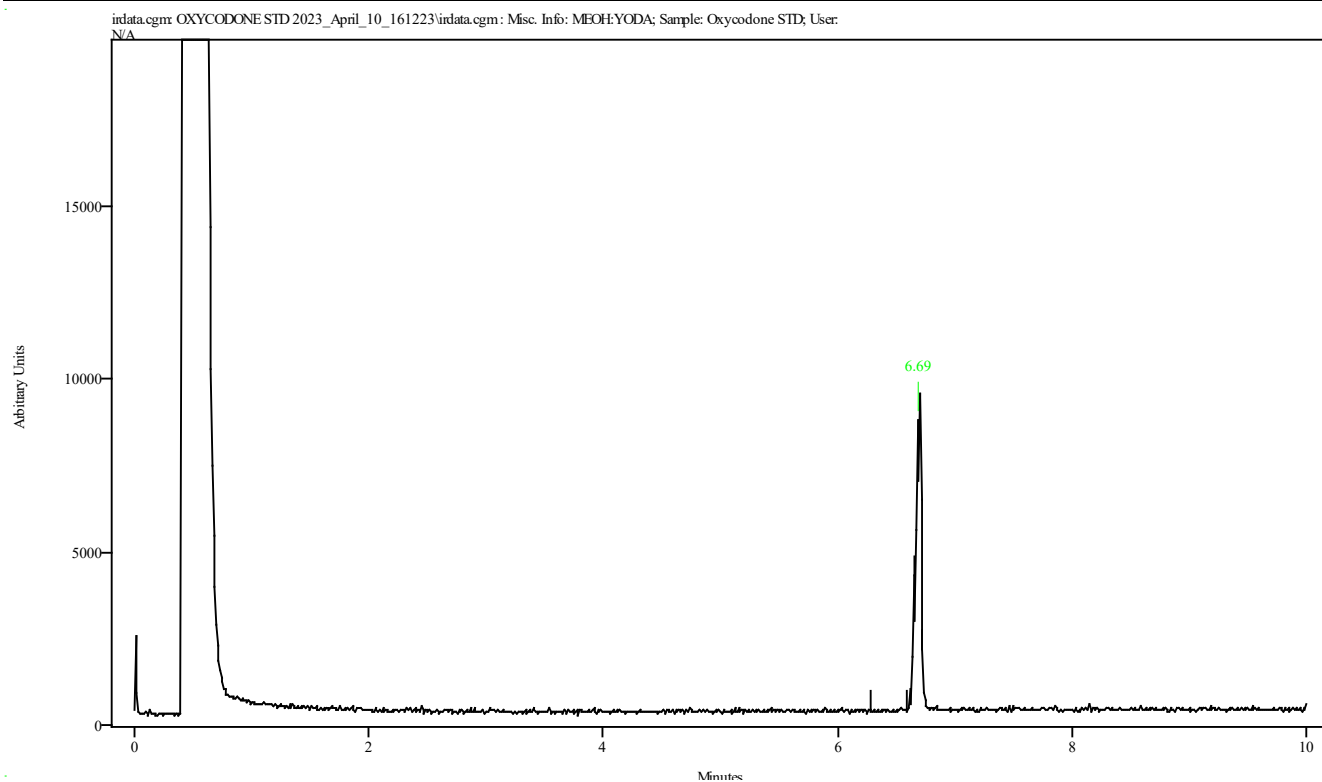
Data Filename	OXYCODONE STD 2023_April_10_154442
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	5
Sample Name	Oxycodone STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 15:58:32 2023
Date Processed	Tue Apr 11 09:36:23 2023



IRDATA.SPC: 6.69 minutes: AVE (6.65: 6.72) Ref. (6.28: 6.58) of OXYCODONE STD
2023_April_10_154442.cgm

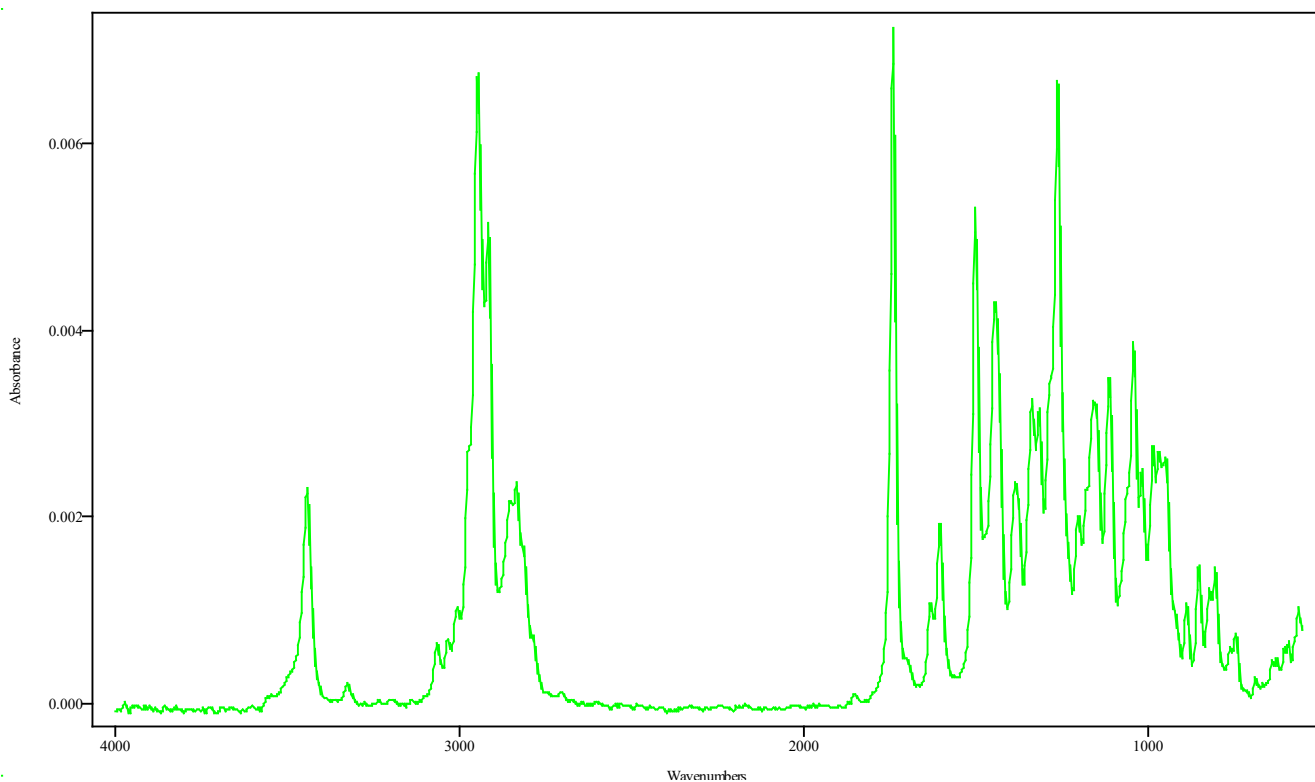
IRD Data Analysis Report

Data Filename	OXYCODONE STD 2023_April_10_161223
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	5
Sample Name	Oxycodone STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 16:26:13 2023
Date Processed	Tue Apr 11 09:37:24 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
6.657	6.722	0.066	6.284	6.591

Data Filename	OXYCODONE STD 2023_April_10_161223
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	POLYDRUG.M
GC Vial	5
Sample Name	Oxycodone STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 16:26:13 2023
Date Processed	Tue Apr 11 09:37:24 2023



IRDATA.SPC: 6.69 minutes: AVE (6.66: 6.72) Ref. (6.28: 6.59) of OXYCODONE STD
2023_April_10_161223.cgm

Method Information

Method: C:\Users\Public\Documents\ChemStation\1
\Methods\MANPOLYDRUG.M
Modified: 2/22/2023 at 9:40:52 AM

MANUAL METHOD 120C TO 270C, HOLD FOR 0.3 MIN @120C, RAMP @55C PER MIN
TO 230C. RAMP @10C PER MIN TO 270C. 10 MINUTE METHOD.

Method Audit Trail

Operator : SYSTEM
Date : 2/17/2023 3:19:01 PM
Change Info: This method was created at 2/17/2023 3:19:01 PM and based on
method
'C:\USERS\PUBLIC\DOCUMENTS\CHEMSTATION\1\METHODS\SLPOLYDRUG.M'

Operator : SYSTEM
Date : 2/17/2023 3:19:02 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/17/2023 3:19:51 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/22/2023 9:40:52 AM
Change Info: Method saved. User comment: ""

Run Time Checklist

Pre-Run Cmd/Macro: off
Data Acquisition: on
Standard Data Analysis: on
Modify Custom Fields: off
Customized Data Analysis: off
Save GLP Data: off
Post-Run Cmd/Macro: off
Save Method with Data: off

Injection Source and Location

Injection Source: Manual

Injection Location: Front

Agilent 8890

Module Type: GC

Module Name: Agilent 8890

GC

GC Summary

Run Time 10 min

Post Run Time 0 min

Oven

Temperature

Setpoint On

(Initial) 120 °C

Hold Time 0.3 min

Post Run 120 °C

Program

#1 Rate 55 °C/min

#1 Value 230 °C

#1 Hold Time 0 min

#2 Rate 10 °C/min

#2 Value 270 °C

#2 Hold Time 3.7 min

Equilibration Time 1 min

Max Temperature 325 °C

Maximum Temperature Override Disabled

Slow Fan Disabled

ALS

Front Injector

Syringe Size 10 µL

Injection Volume 1 µL

Solvent A Washes (PreInj) 3

Solvent A Washes (PostInj) 0

Solvent A Volume 8 µL

Solvent B Washes (PreInj) 3

Solvent B Washes (PostInj) 0

Solvent B Volume 8 µL

Sample Washes 1

Sample Wash Volume 8 µL

Sample Pumps 3

Dwell Time (PreInj) 0 min

Dwell Time (PostInj) 0 min

Solvent Wash Draw Speed 300 µL/min

Solvent Wash Dispense Speed 3000 µL/min

Sample Wash Draw Speed 300 µL/min

Sample Wash Dispense Speed 3000 µL/min

Injection Dispense Speed 6000 µL/min

Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Solvent Wash Mode	A, B
Sample Overlap Mode	Sample overlap is not enabled
Front SS Inlet He Mode	Split
Heater	On 250 °C
Pressure	On 10.015 psi
Total Flow	On 12 mL/min
Septum Purge Flow	On 3 mL/min
Pre-Run Flow Test	Off
Gas Saver	On 15 mL/min after 2 min
Split Ratio	2 :1
Split Flow	6 mL/min
Liner	A Liner has not been selected.
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	3 mL/min
Post Run	2 mL/min
Temperature Range	-60 °C–325 °C (325 °C)
Dimensions	15 m x 320 µm x 1 µm
(Uncalibrated)	
Column lock	Unlocked
In	Front SS Inlet He
Out	Other
(Initial)	120 °C
Pressure	10.015 psi
Flow	3 mL/min
Average Velocity	60.612 cm/sec
Holdup Time	0.41246 min
Control Mode	Constant Flow
Column Outlet Pressure	0 psi
Detector Evaluation	
Perform Detector Evaluation Test	Off
Signal Selected	No Signal Selected
Checkout Sample	None
Signals	
Signal #1: Test Plot	
Description	Test Plot
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #2:	

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

The Data Analysis Parameters of the used Method are :

=====

Integration Events

=====

Non signal specific Integration Events

Event	Value
Tangent Skim Mode	New Exponential
Tail Peak Skim Height Ratio	5.000
Front Peak Skim Height Ratio	5.000
Skim Valley Ratio	20.000
Baseline Correction	Advanced
Peak to Valley Ratio	500.000

Default Integration Event Table "Event"

Event	Value	Time
-----	-----	-----

Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_FID"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial

Initial Height Reject		1.000	Initial
Initial Shoulders	OFF		Initial
Initial Area Percent Reject		0.000	Initial
Solvent Peak Slope		0.000	0.000

Detector Default Integration Event Table "Event_NPD"

Event		Value	Time
Initial Slope Sensitivity		500.000	Initial
Initial Peak Width		0.040	Initial
Initial Area Reject		1.000	Initial
Initial Height Reject		1.000	Initial
Initial Shoulders	OFF		Initial
Initial Area Percent Reject		0.000	Initial
Solvent Peak Slope		0.000	0.000

Detector Default Integration Event Table "Event_FPD"

Event		Value	Time
Initial Slope Sensitivity		50.000	Initial
Initial Peak Width		0.040	Initial
Initial Area Reject		1.000	Initial
Initial Height Reject		1.000	Initial
Initial Shoulders	OFF		Initial
Initial Area Percent Reject		0.000	Initial
Solvent Peak Slope		0.000	0.000

Detector Default Integration Event Table "Event_uECD"

Event		Value	Time
Initial Slope Sensitivity		500.000	Initial
Initial Peak Width		0.080	Initial
Initial Area Reject		1.000	Initial
Initial Height Reject		1.000	Initial
Initial Shoulders	OFF		Initial
Initial Area Percent Reject		0.000	Initial
Solvent Peak Slope		0.000	0.000

Detector Default Integration Event Table "Event_GC"

Event		Value	Time
Initial Slope Sensitivity		50.000	Initial
Initial Peak Width		0.040	Initial
Initial Area Reject		1.000	Initial
Initial Height Reject		1.000	Initial

Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Apply Method's Manual Integration Events: No

=====
Specify Report
=====

Calculate: Area Percent
Do not use Multiplier & Dilution Factor with ISTDs

Use Sample Data from Data File

Report mode: Classic
Destination: File (Prefix: Report)
Destination File Types: No destination file types selected
Quantitative Results sorted by: Signal
Report Style: (None)
Sample info on each page: No
Add Chromatogram Output: No
Uncalibrated Peaks: Do Not Report

=====
Signal Options
=====

Include: Axes, Retention Times, Baselines, Tick Marks
Font: Arial, Size: 8

Ranges: Full
Multi Chromatograms: Separated, Each in full Scale

=====
Calibration Table
=====

General Calibration Setting

Calib. Data Modified :
Signals calculated separately : No

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated

Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
 Printout of recalibrations within a sequence:
 Calibration Table after Recalibration
 Normal Report after Recalibration
 If the sequence is done with bracketing:
 Results of first cycle (ending previous bracket)

Signal Details

Overview Table

No Entries in table

Identification Details Table

No Entries in table

Peak Sum Table

No Entries in table

Component Details Table

No Entries in table

=====

Sample related custom fields

=====

Custom Field	Type	Mand.	Default Value

None defined			

=====

Compound related custom fields

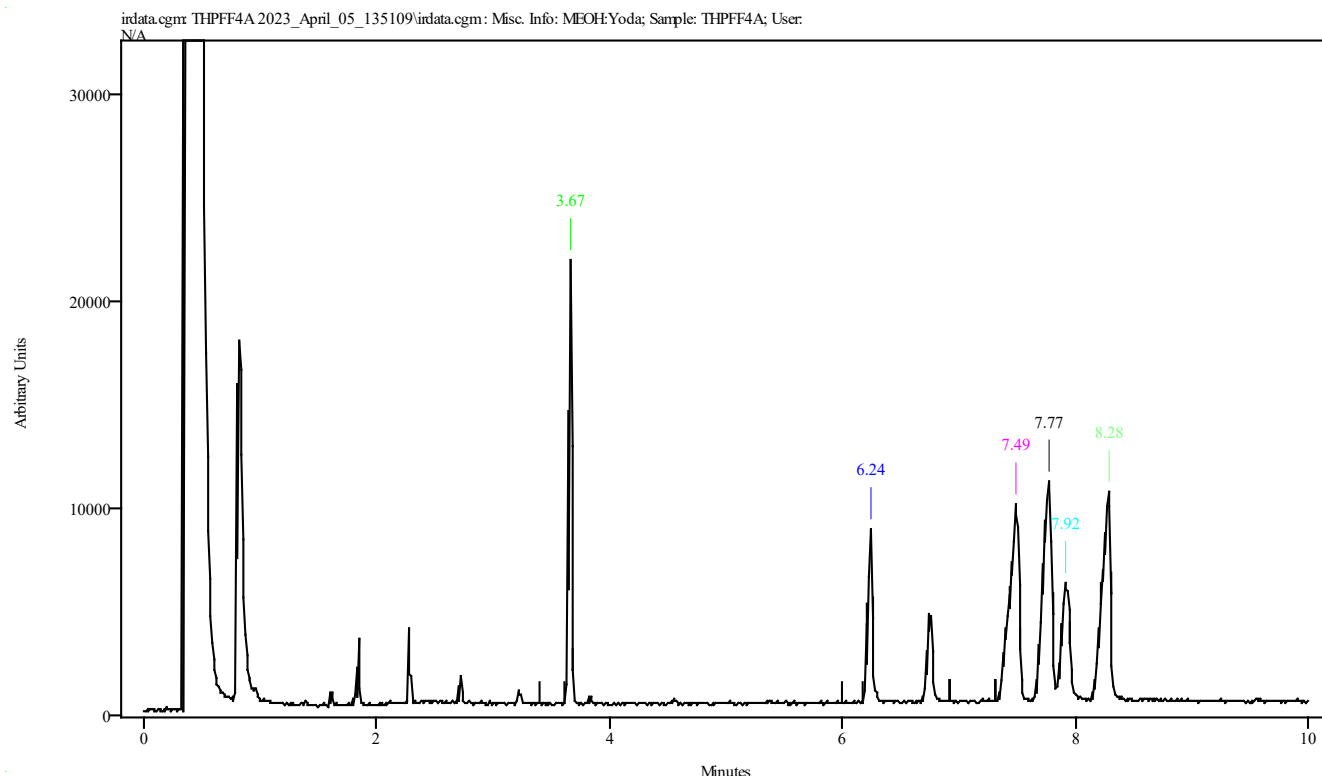
=====

Custom Field	Type	Mand.	Default Value

None defined			

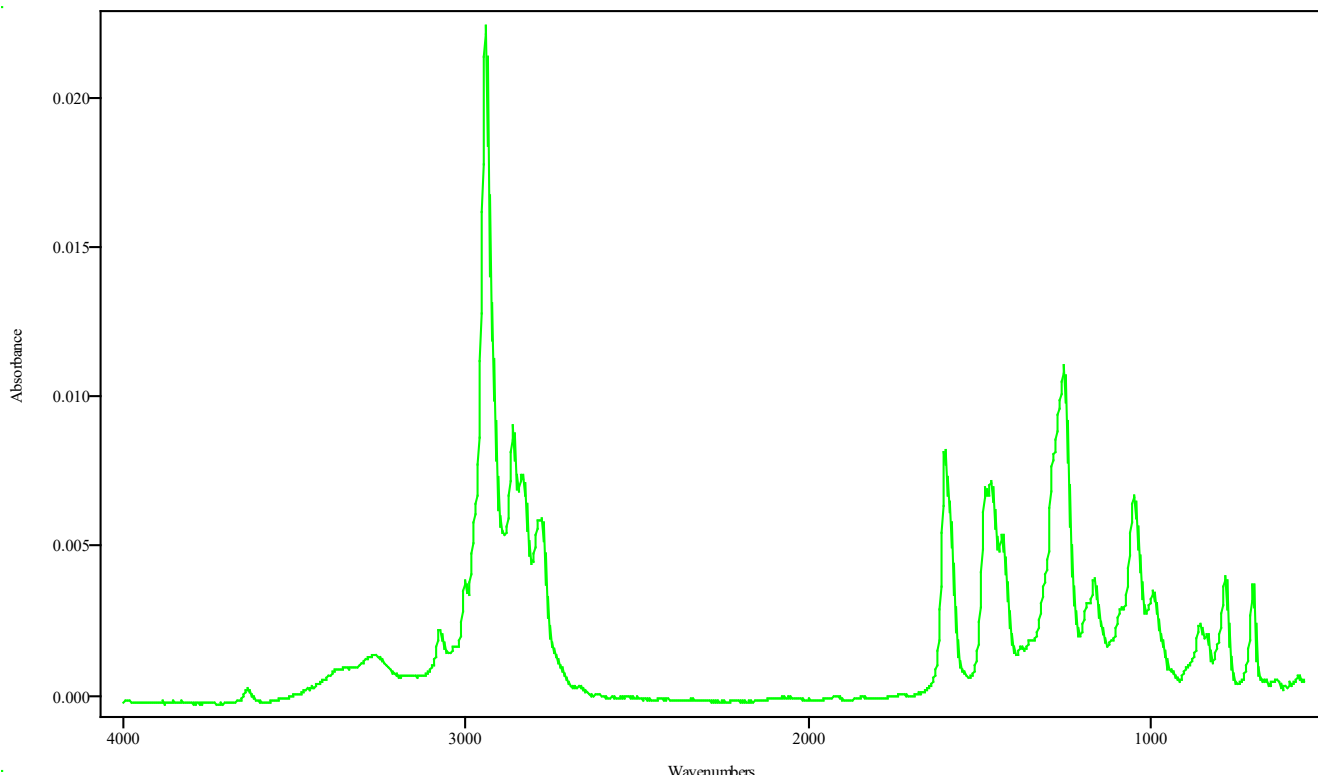
IRD Data Analysis Report

Data Filename	THPFF4A 2023_April_05_135109
Data Path	C:/ASAP DATA/YODA 2023/Validation/Manual Inj. 4-5-23
IRD Method	IRD3 EXT
GC Method	MANPOLYDRUG.M
GC Vial	3
Sample Name	THPFF4A
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Wed Apr 05 14:02:25 2023
Date Processed	Wed Apr 05 14:37:14 2023



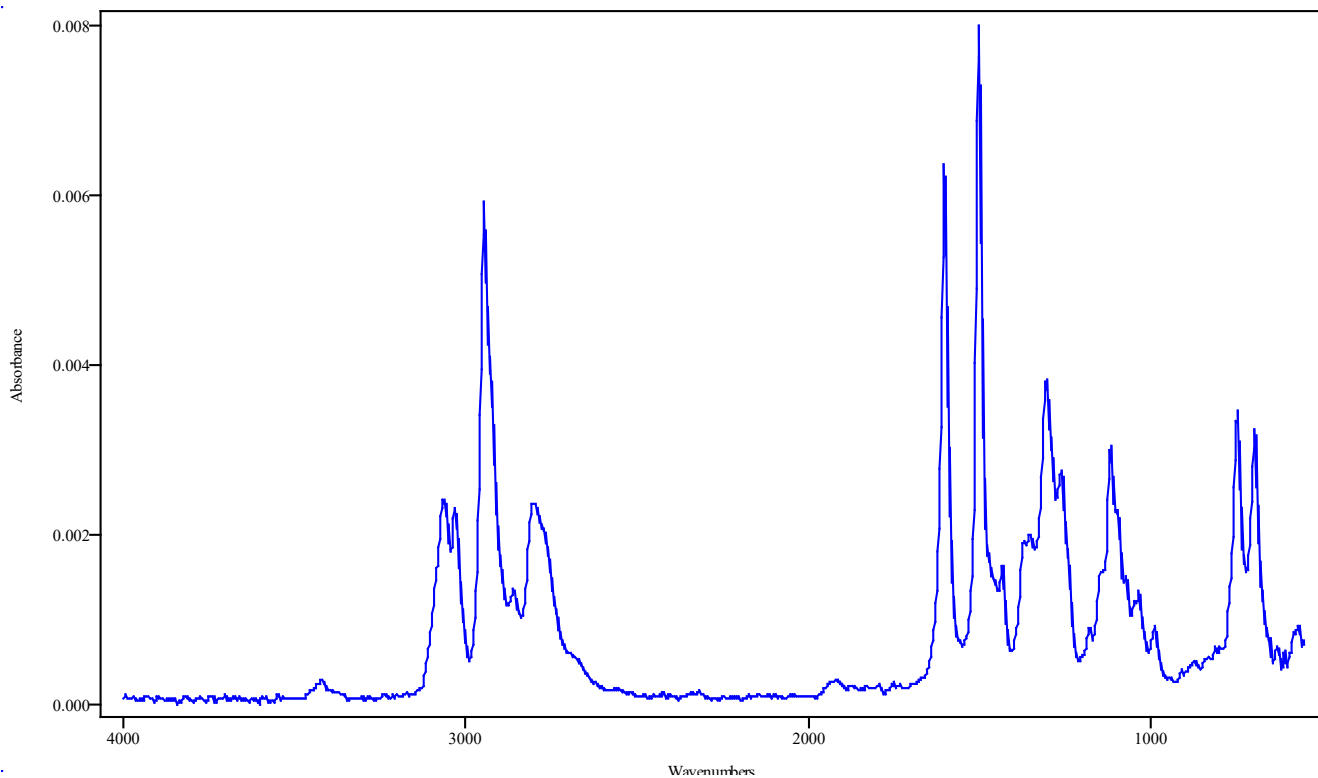
Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.643	3.687	0.044	3.392	3.611
6.215	6.258	0.044	5.996	6.171
7.429	7.527	0.098	6.926	7.320
7.713	7.801	0.088	6.926	7.320
7.878	7.954	0.077	6.926	7.320
8.217	8.304	0.088	6.926	7.320

Data Filename	THPFF4A 2023_April_05_135109
Data Path	C:/ASAP DATA/YODA 2023/Validation/Manual Inj. 4-5-23
IRD Method	IRD3 EXT
GC Method	MANPOLYDRUG.M
GC Vial	3
Sample Name	THPFF4A
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Wed Apr 05 14:02:25 2023
Date Processed	Wed Apr 05 14:37:14 2023



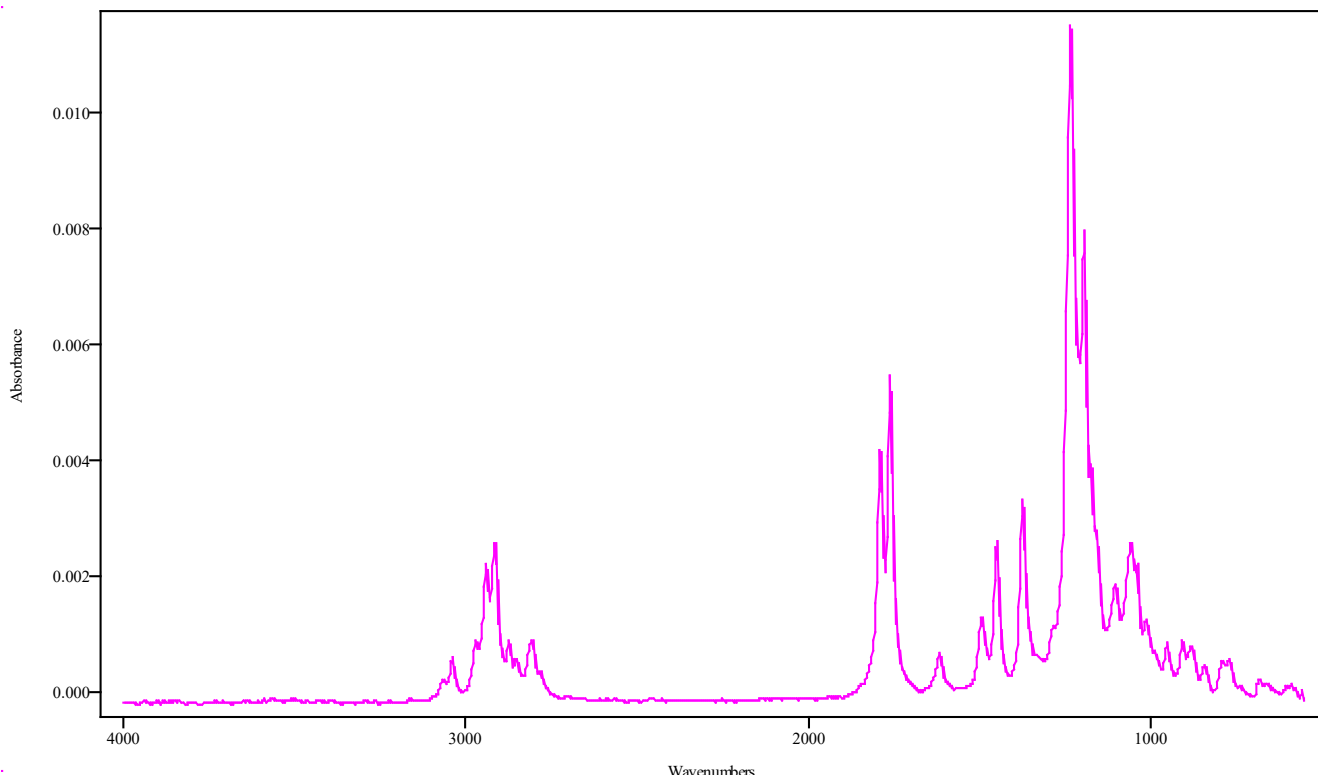
IRDATA.SPC: 3.67 minutes: AVE (3.64: 3.69) Ref. (3.39: 3.61) of THPFF4A
2023_April_05_135109.cgm TRAMADOL

Data Filename	THPFF4A 2023_April_05_135109
Data Path	C:/ASAP DATA/YODA 2023/Validation/Manual Inj. 4-5-23
IRD Method	IRD3 EXT
GC Method	MANPOLYDRUG.M
GC Vial	3
Sample Name	THPFF4A
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Wed Apr 05 14:02:25 2023
Date Processed	Wed Apr 05 14:37:14 2023



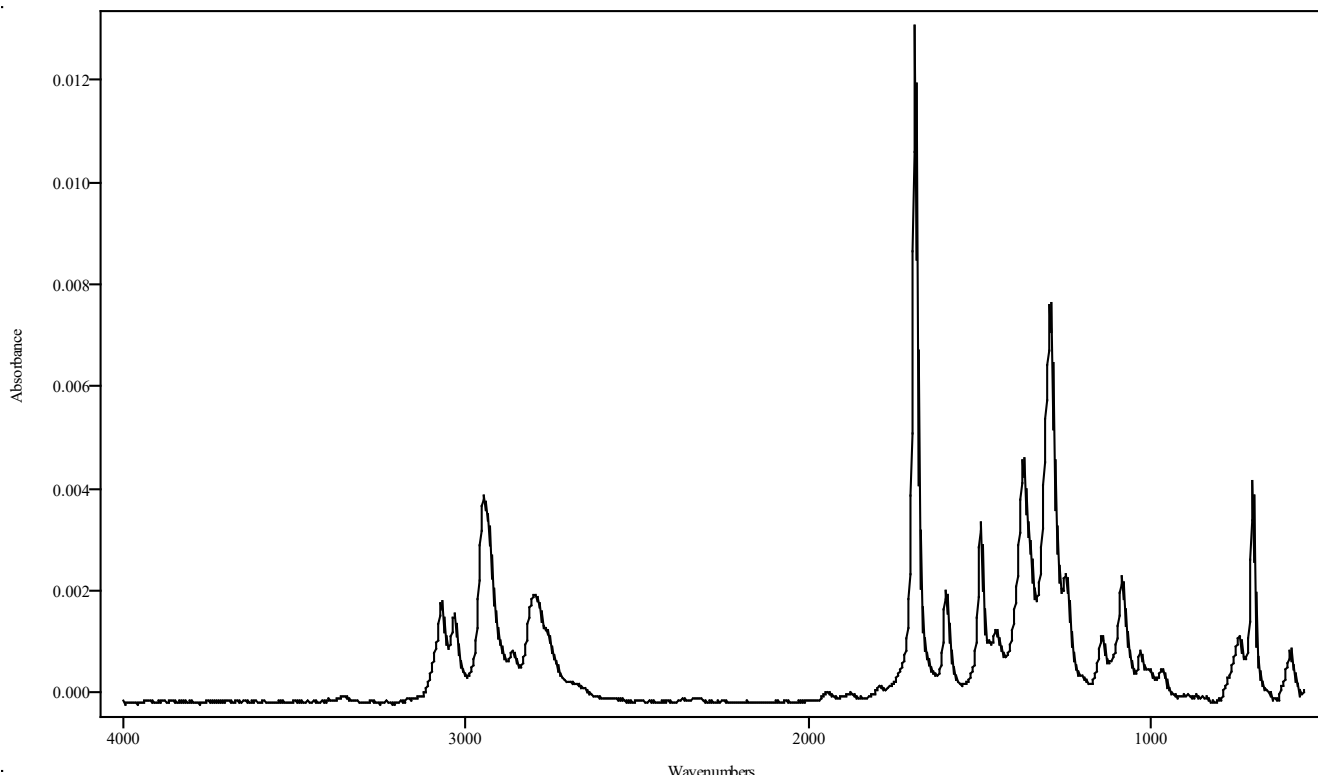
IRDATA.SPC: 6.24 minutes: AVE (6.21: 6.26) Ref. (6.00: 6.17) of THPFF4A
2023_April_05_135109.cgm 4-ANPP

Data Filename	THPFF4A 2023_April_05_135109
Data Path	C:/ASAP DATA/YODA 2023/Validation/Manual Inj. 4-5-23
IRD Method	IRD3 EXT
GC Method	MANPOLYDRUG.M
GC Vial	3
Sample Name	THPFF4A
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Wed Apr 05 14:02:25 2023
Date Processed	Wed Apr 05 14:37:14 2023



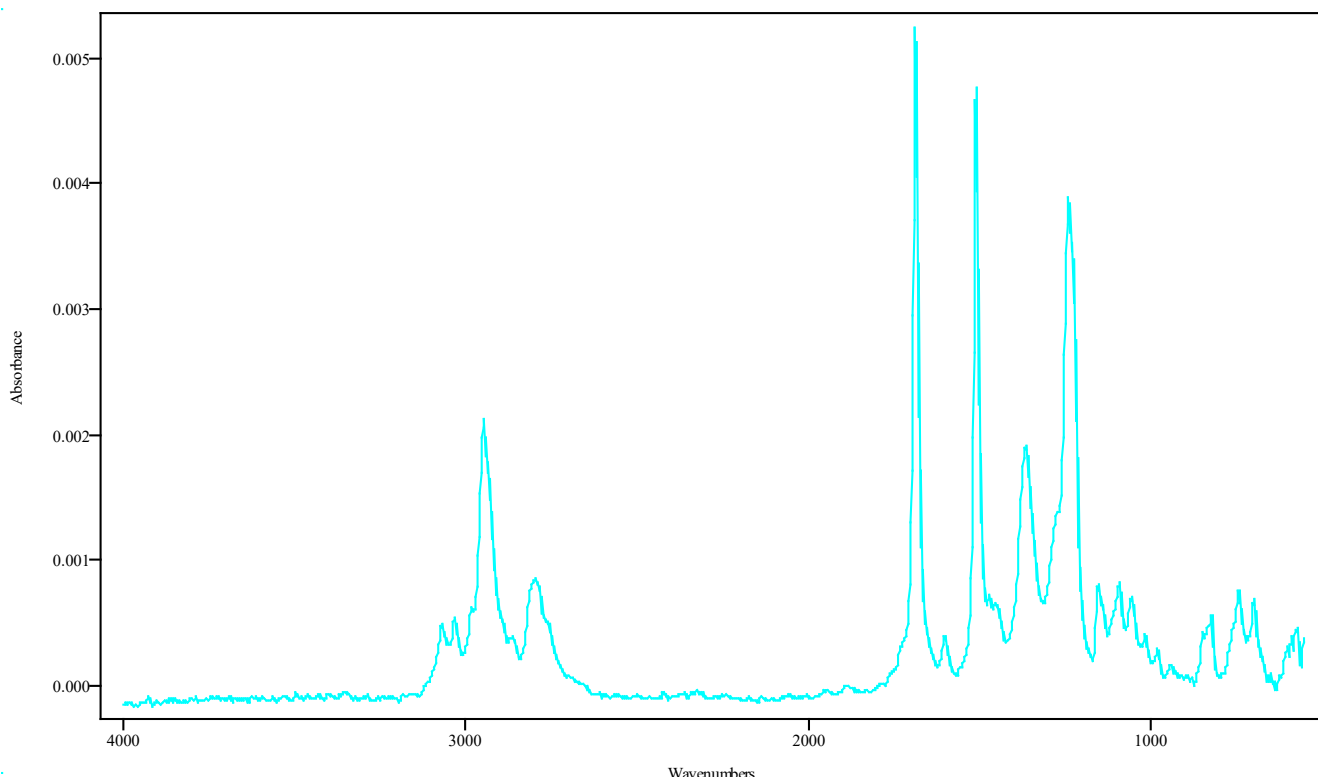
IRDATA.SPC: 7.49 minutes: AVE (7.43: 7.53) Ref. (6.93: 7.32) of THPFF4A
2023_April_05_135109.cgm HEROIN

Data Filename	THPFF4A 2023_April_05_135109
Data Path	C:/ASAP DATA/YODA 2023/Validation/Manual Inj. 4-5-23
IRD Method	IRD3 EXT
GC Method	MANPOLYDRUG.M
GC Vial	3
Sample Name	THPFF4A
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Wed Apr 05 14:02:25 2023
Date Processed	Wed Apr 05 14:37:14 2023



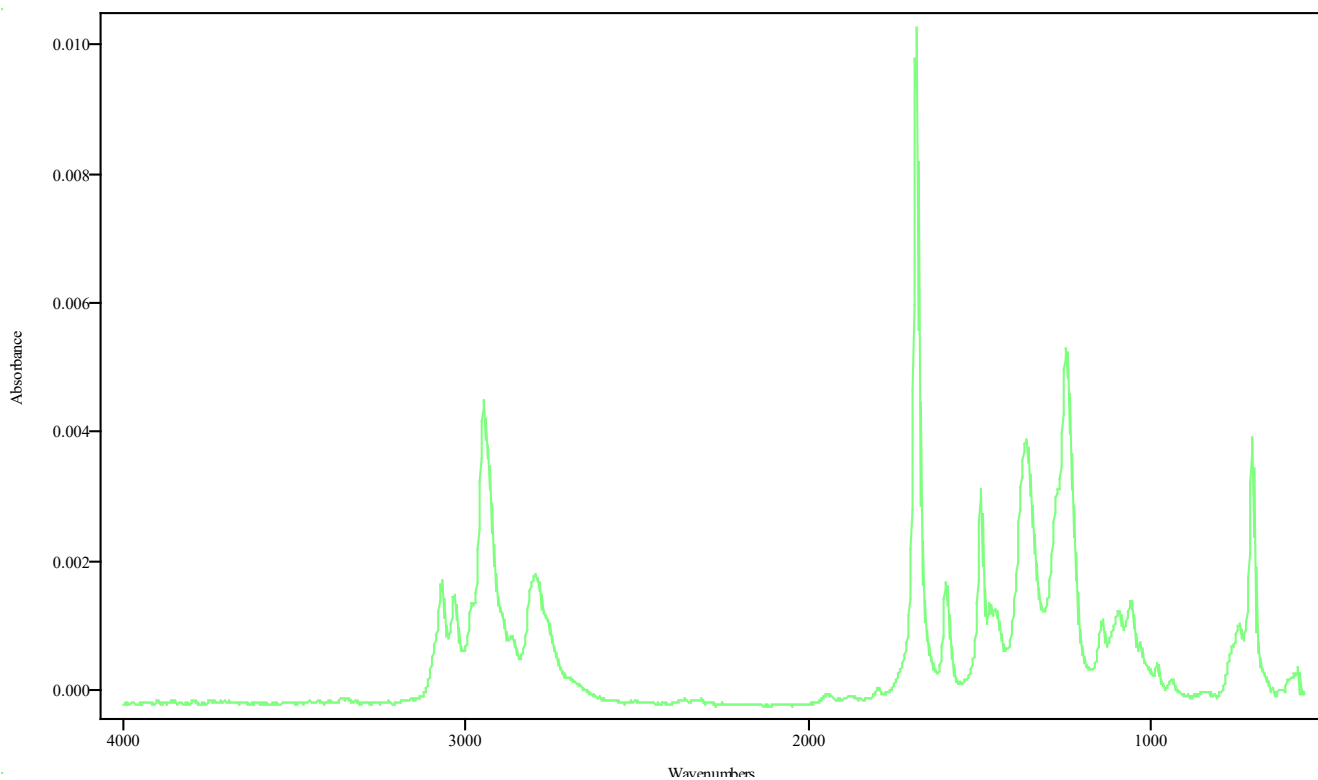
IRDATA.SPC: 7.77 minutes: AVE (7.71: 7.80) Ref. (6.93: 7.32) of THPFF4A
2023_April_05_135109.cgm ACETYL FENTANYL

Data Filename	THPFF4A 2023_April_05_135109
Data Path	C:/ASAP DATA/YODA 2023/Validation/Manual Inj. 4-5-23
IRD Method	IRD3 EXT
GC Method	MANPOLYDRUG.M
GC Vial	3
Sample Name	THPFF4A
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Wed Apr 05 14:02:25 2023
Date Processed	Wed Apr 05 14:37:14 2023



IRDATA.SPC: 7.92 minutes: AVE (7.88: 7.95) Ref. (6.93: 7.32) of THPFF4A
2023_April_05_135109.cgm PARA-FLUOROFENTANYL

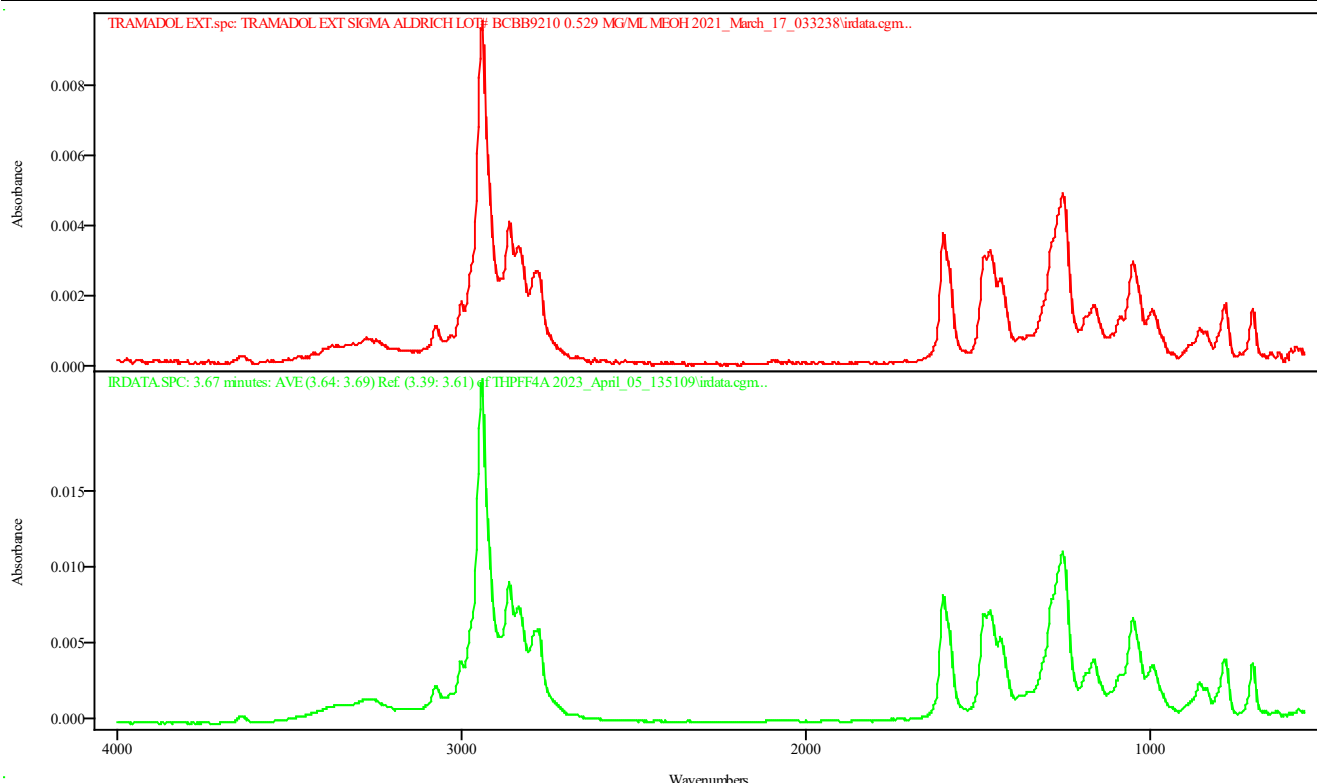
Data Filename	THPFF4A 2023_April_05_135109
Data Path	C:/ASAP DATA/YODA 2023/Validation/Manual Inj. 4-5-23
IRD Method	IRD3 EXT
GC Method	MANPOLYDRUG.M
GC Vial	3
Sample Name	THPFF4A
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Wed Apr 05 14:02:25 2023
Date Processed	Wed Apr 05 14:37:14 2023



IRDATA.SPC: 8.28 minutes: AVE (8.22: 8.30) Ref. (6.93: 7.32) of THPFF4A
2023_April_05_135109.cgm FENTANYL

IRD Data Analysis Report

Data Filename	THPFF4A 2023_April_05_135109
Data Path	C:/ASAP DATA/YODA 2023/Validation/Manual Inj. 4-5-23
IRD Method	IRD3 EXT
GC Method	MANPOLYDRUG.M
GC Vial	3
Sample Name	THPFF4A
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Wed Apr 05 14:02:25 2023
Date Processed	Thu Apr 06 09:07:14 2023

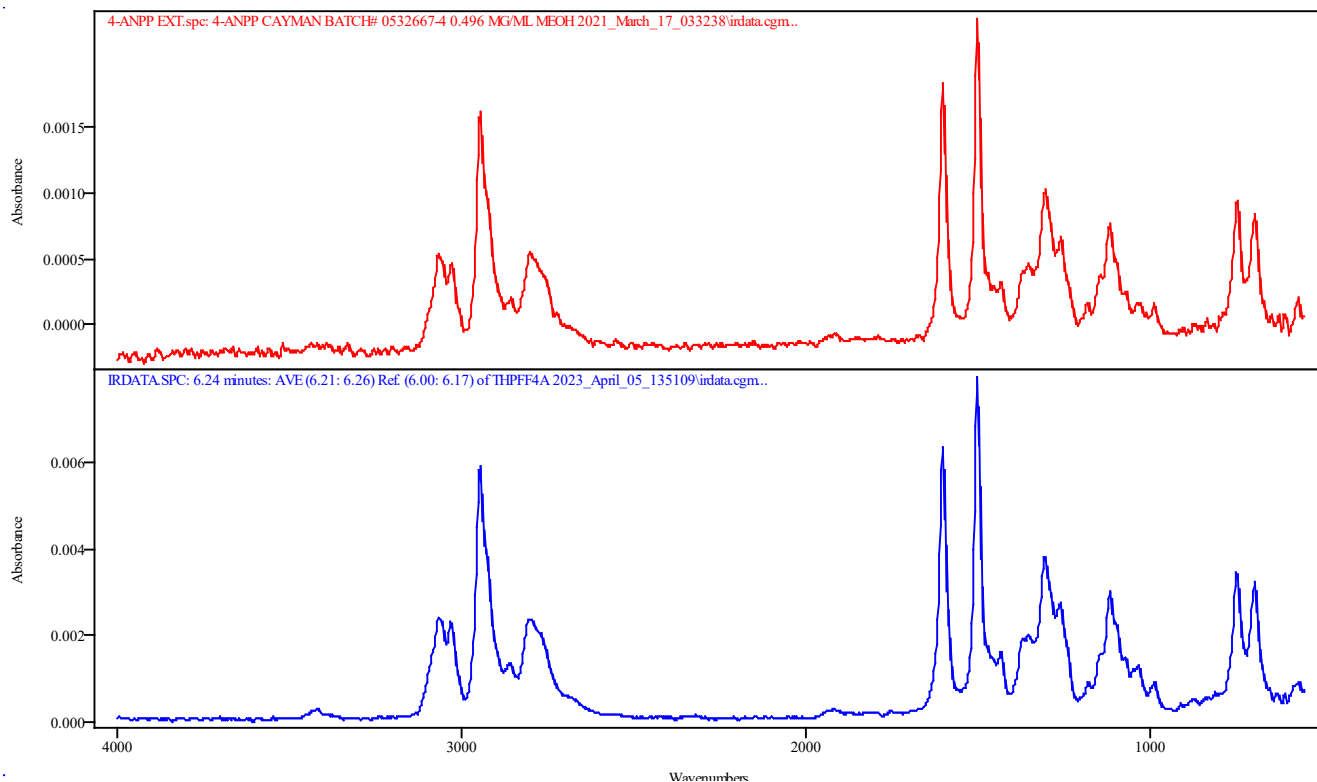


IRDATA.SPC: 3.67 minutes: AVE (3.64: 3.69) Ref. (3.39: 3.61) of THPFF4A
2023_April_05_135109.cgm

TRAMADOL EXT.spc: TRAMADOL EXT SIGMA ALDRICH LOT# BCBB9210 0.529 MG/ML MEOH
2021_March_17_033238\irdata.cgm

IRD Data Analysis Report

Data Filename	THPFF4A 2023_April_05_135109
Data Path	C:/ASAP DATA/YODA 2023/Validation/Manual Inj. 4-5-23
IRD Method	IRD3 EXT
GC Method	MANPOLYDRUG.M
GC Vial	3
Sample Name	THPFF4A
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Wed Apr 05 14:02:25 2023
Date Processed	Thu Apr 06 09:08:13 2023

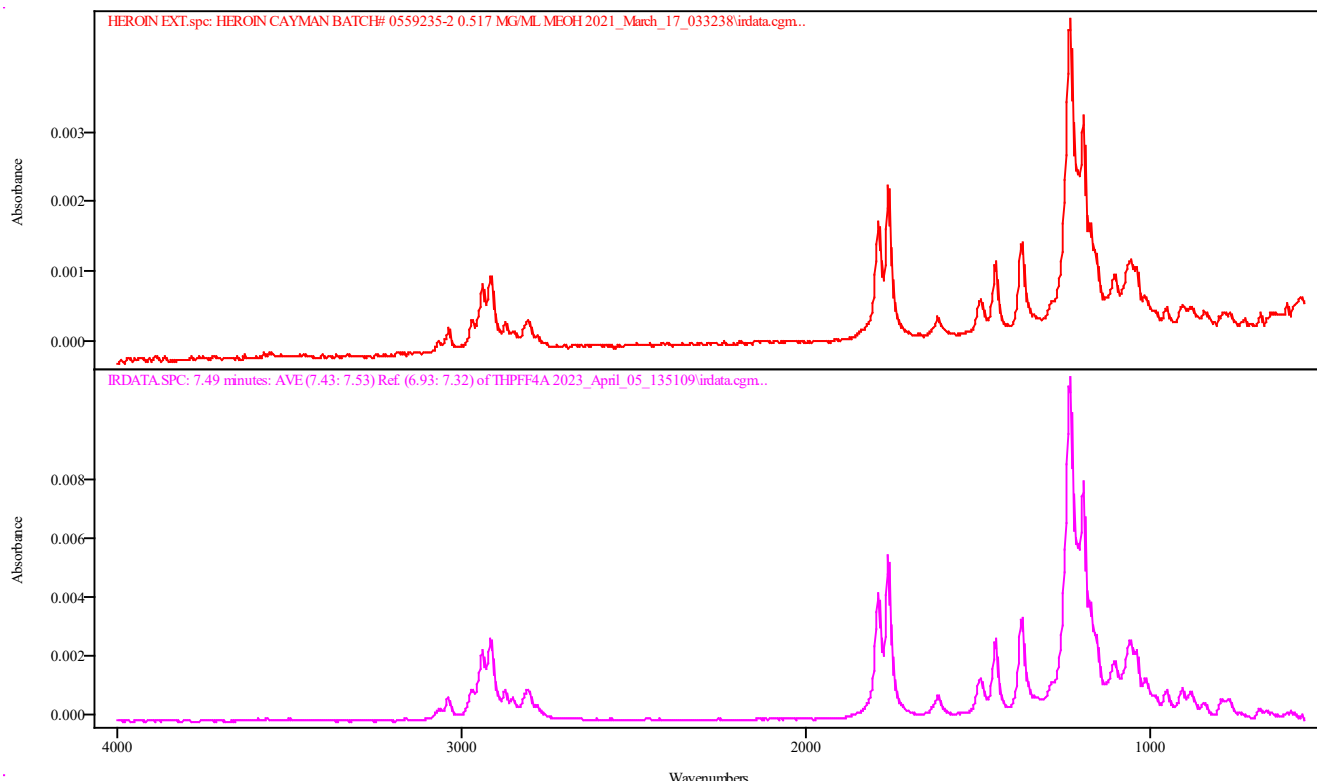


IRDATA.SPC: 6.24 minutes: AVE (6.21: 6.26) Ref. (6.00: 6.17) of THPFF4A
2023_April_05_135109.cgm

4-ANPP EXT.spc: 4-ANPP CAYMAN BATCH# 0532667-4 0.496 MG/ML MEOH
2021_March_17_033238\irdata.cgm

IRD Data Analysis Report

Data Filename	THPFF4A 2023_April_05_135109
Data Path	C:/ASAP DATA/YODA 2023/Validation/Manual Inj. 4-5-23
IRD Method	IRD3 EXT
GC Method	MANPOLYDRUG.M
GC Vial	3
Sample Name	THPFF4A
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Wed Apr 05 14:02:25 2023
Date Processed	Thu Apr 06 09:09:58 2023

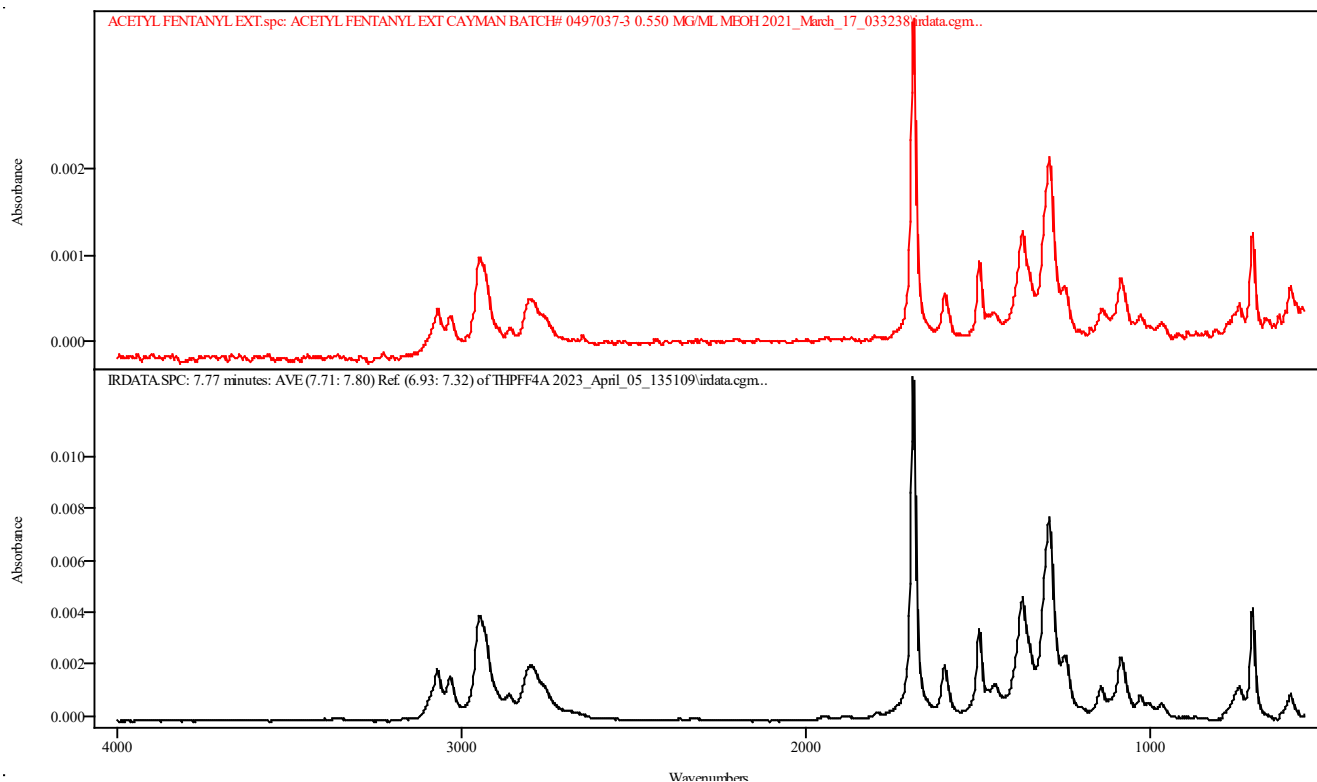


IRDATA.SPC: 7.49 minutes: AVE (7.43: 7.53) Ref. (6.93: 7.32) of THPFF4A
2023_April_05_135109.cgm

HEROIN EXT.spc: HEROIN CAYMAN BATCH# 0559235-2 0.517 MG/ML MEOH
2021_March_17_033238\irdata.cgm

IRD Data Analysis Report

Data Filename	THPFF4A 2023_April_05_135109
Data Path	C:/ASAP DATA/YODA 2023/Validation/Manual Inj. 4-5-23
IRD Method	IRD3 EXT
GC Method	MANPOLYDRUG.M
GC Vial	3
Sample Name	THPFF4A
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Wed Apr 05 14:02:25 2023
Date Processed	Thu Apr 06 09:15:51 2023

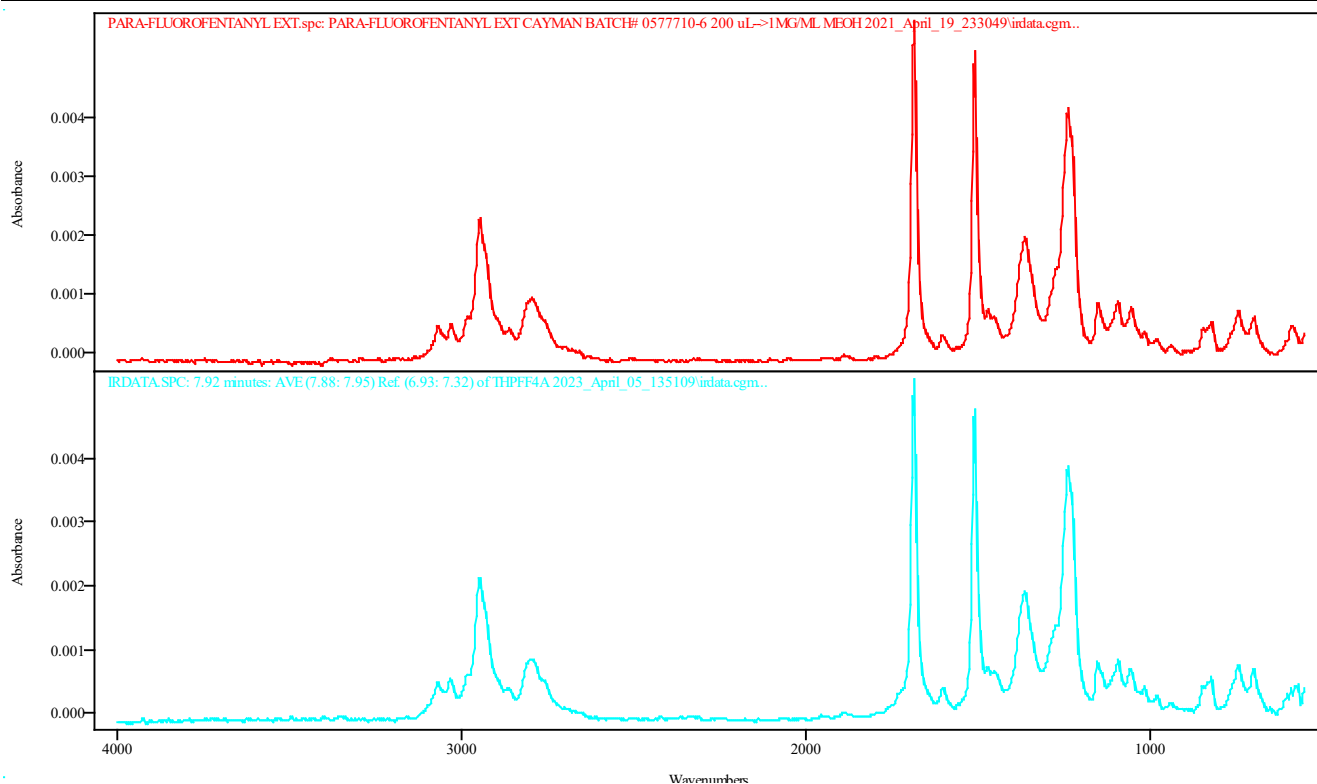


IRDATA.SPC: 7.77 minutes: AVE (7.71: 7.80) Ref. (6.93: 7.32) of THPFF4A
2023_April_05_135109.cgm

ACETYL FENTANYL EXT.spc: ACETYL FENTANYL EXT CAYMAN BATCH# 0497037-3 0.550
MG/ML MEOH 2021_March_17_033238\irdata.cgm

IRD Data Analysis Report

Data Filename	THPFF4A 2023_April_05_135109
Data Path	C:/ASAP DATA/YODA 2023/Validation/Manual Inj. 4-5-23
IRD Method	IRD3 EXT
GC Method	MANPOLYDRUG.M
GC Vial	3
Sample Name	THPFF4A
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Wed Apr 05 14:02:25 2023
Date Processed	Thu Apr 06 09:20:43 2023

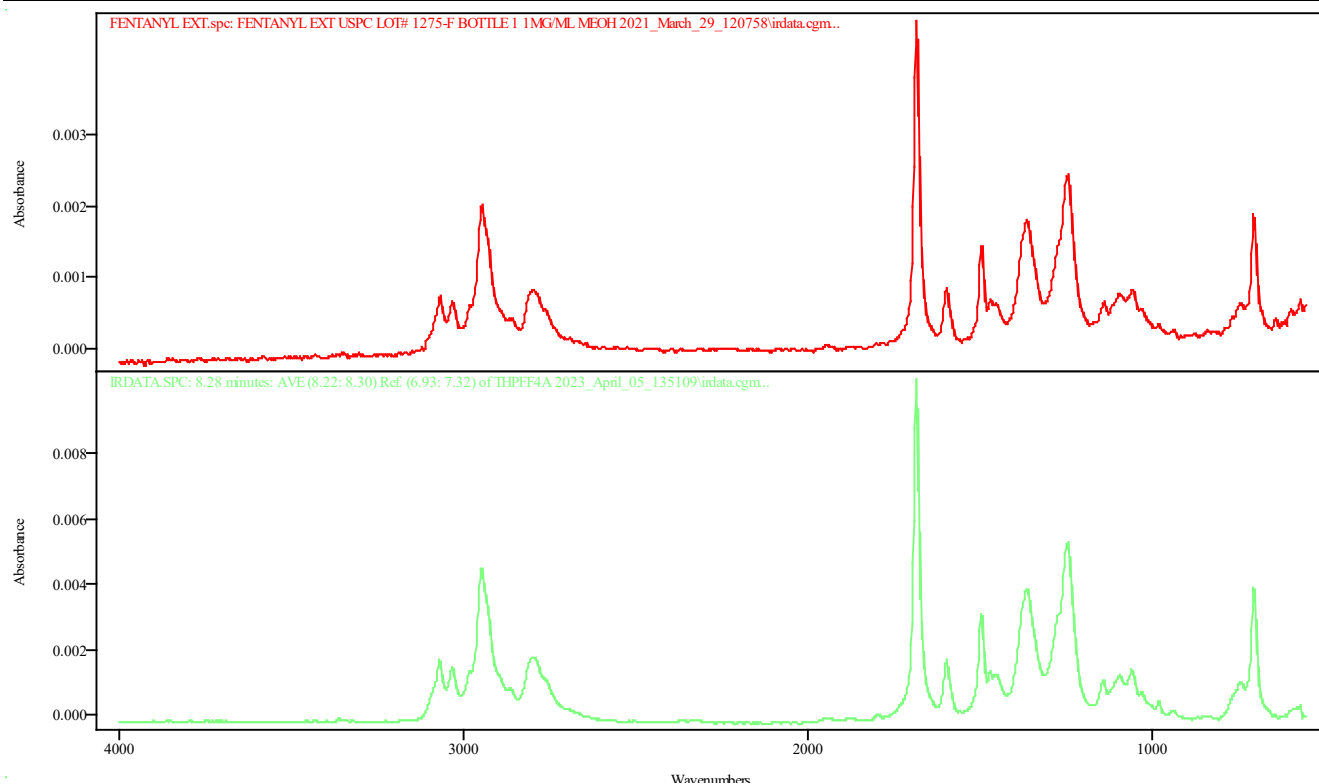


IRDATA.SPC: 7.92 minutes: AVE (7.88: 7.95) Ref. (6.93: 7.32) of THPFF4A
2023_April_05_135109.cgm

PARA-FLUOROFENTANYL EXT.spc: PARA-FLUOROFENTANYL EXT CAYMAN BATCH#
0577710-6 200 uL-->1MG/ML MEOH 2021_April_19_233049\irdata.cgm

IRD Data Analysis Report

Data Filename	THPFF4A 2023_April_05_135109
Data Path	C:/ASAP DATA/YODA 2023/Validation/Manual Inj. 4-5-23
IRD Method	IRD3 EXT
GC Method	MANPOLYDRUG.M
GC Vial	3
Sample Name	THPFF4A
Misc. Info	MEOH:Yoda
User ID	N/A
Injection Time	Wed Apr 05 14:02:25 2023
Date Processed	Thu Apr 06 09:21:43 2023

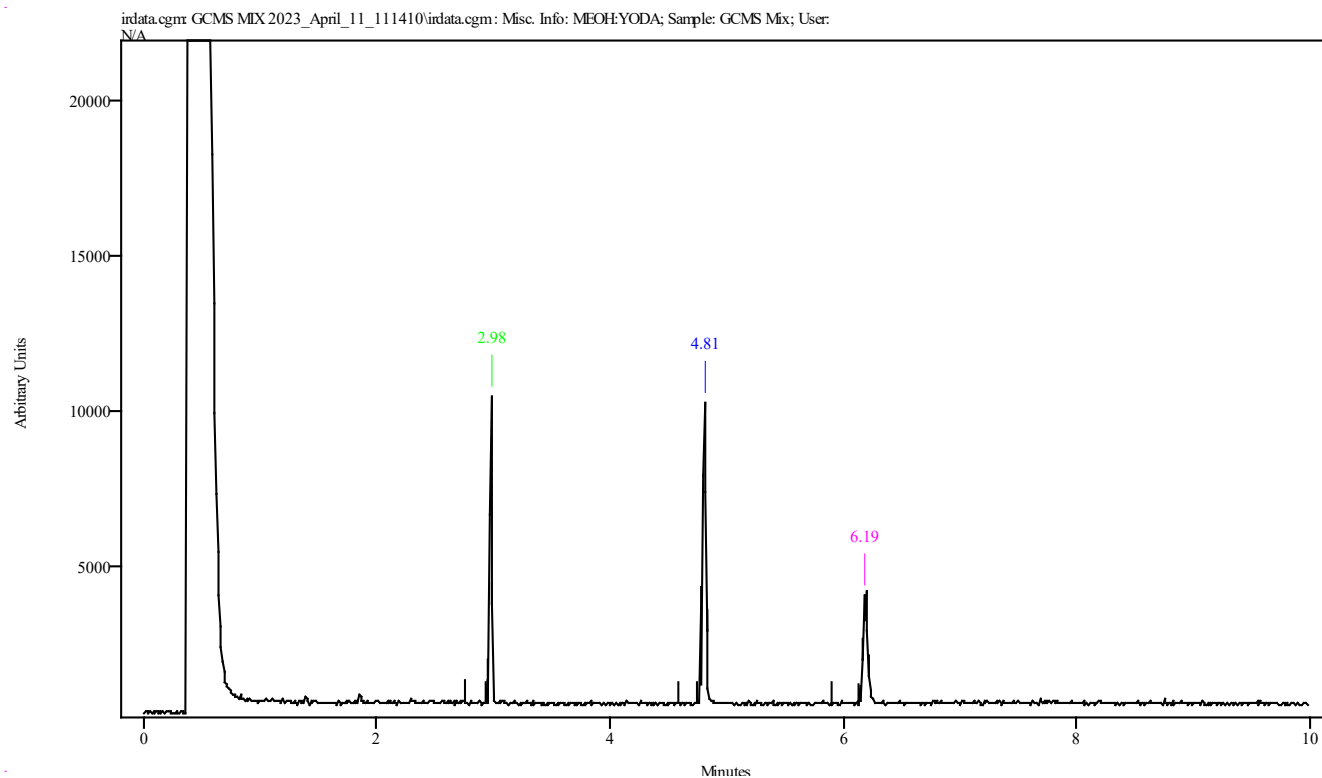


IRDATA.SPC: 8.28 minutes: AVE (8.22: 8.30) Ref. (6.93: 7.32) of THPFF4A
2023_April_05_135109.cgm

FENTANYL EXT.spc: FENTANYL EXT USPC LOT# 1275-F BOTTLE 1 1MG/ML MEOH
2021_March_29_120758\irdata.cgm

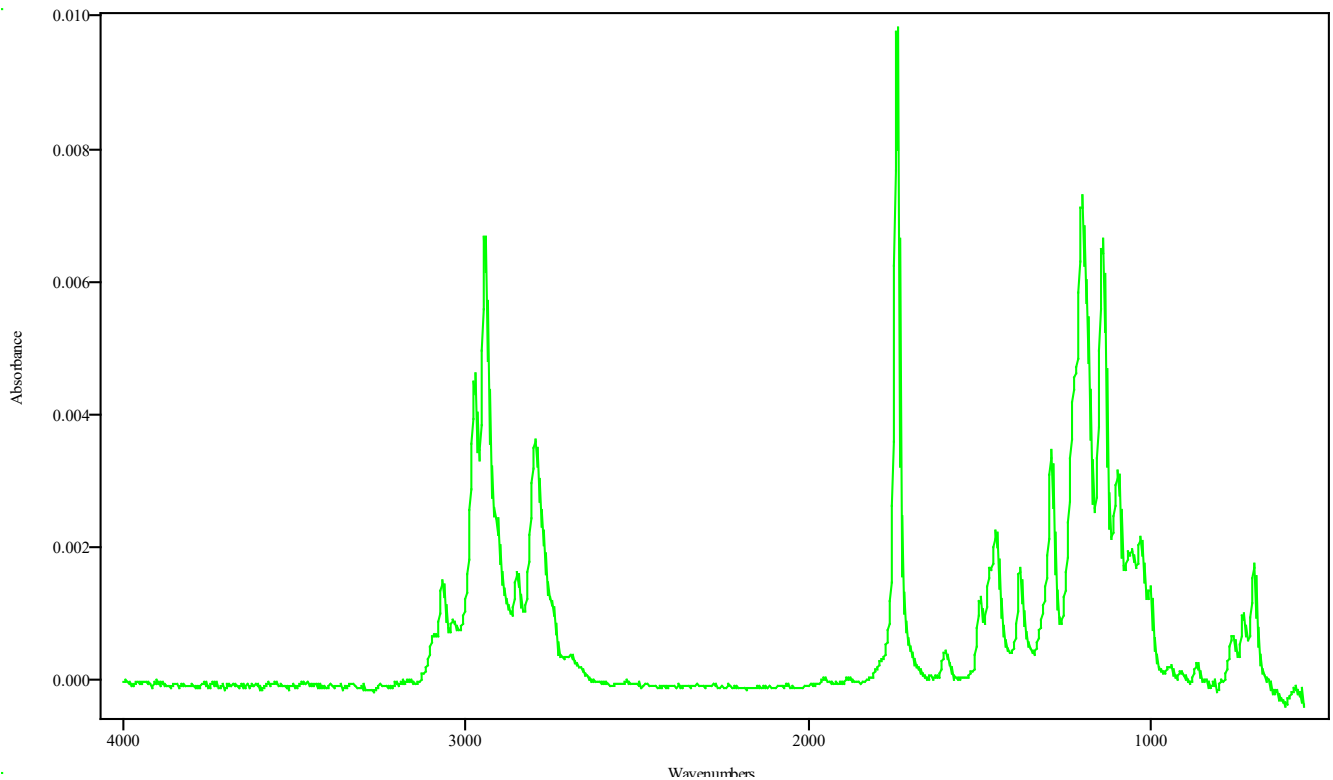
IRD Data Analysis Report

Data Filename	GCMS MIX 2023_April_11_111410
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-11-23-STD
IRD Method	IRD3 EXT
GC Method	MANPOLYDRUG.M
GC Vial	3
Sample Name	GCMS Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Apr 11 11:25:26 2023
Date Processed	Tue Apr 11 12:25:18 2023



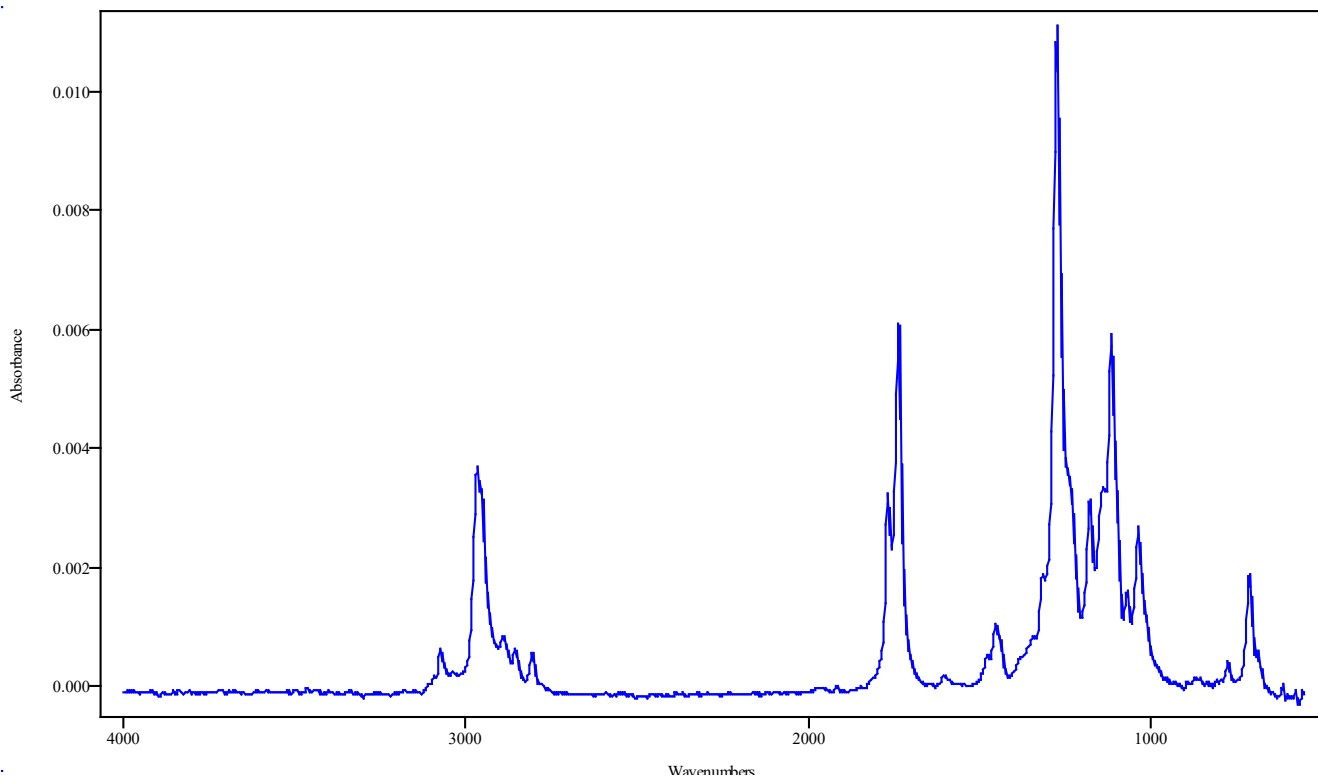
Peak Start	Peak End	Peak Width	Reference Start	Reference End
2.958	2.991	0.033	2.761	2.936
4.788	4.831	0.044	4.580	4.755
6.168	6.223	0.055	5.905	6.124

Data Filename	GCMS MIX 2023_April_11_111410
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-11-23-STD
IRD Method	IRD3 EXT
GC Method	MANPOLYDRUG.M
GC Vial	3
Sample Name	GCMS Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Apr 11 11:25:26 2023
Date Processed	Tue Apr 11 12:25:18 2023



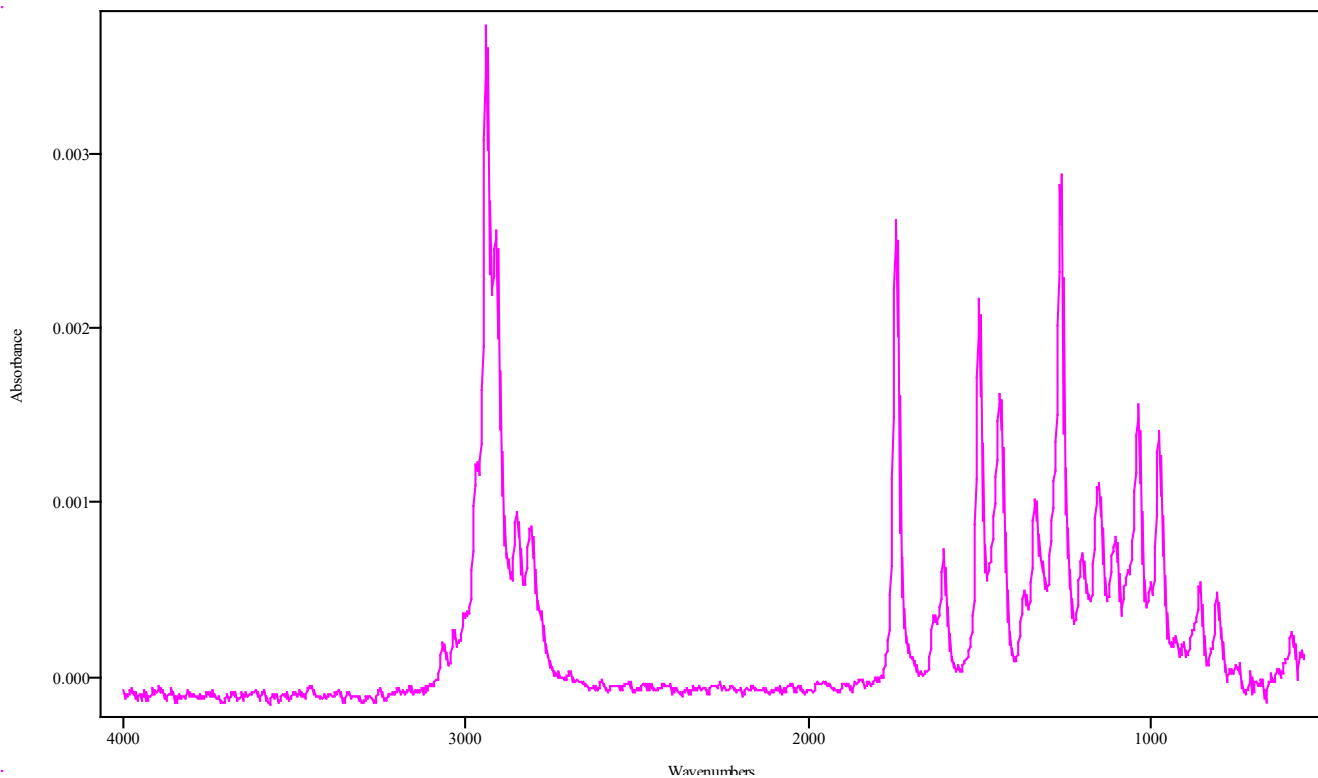
IRDATA.SPC: 2.98 minutes: AVE (2.96: 2.99) Ref. (2.76: 2.94) of GCMS MIX
2023_April_11_111410.cgm Pethidine

Data Filename	GCMS MIX 2023_April_11_111410
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-11-23-STD
IRD Method	IRD3 EXT
GC Method	MANPOLYDRUG.M
GC Vial	3
Sample Name	GCMS Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Apr 11 11:25:26 2023
Date Processed	Tue Apr 11 12:25:18 2023



IRDATA.SPC: 4.81 minutes: AVE (4.79: 4.83) Ref. (4.58: 4.75) of GCMS MIX
 2023_April_11_111410.cgm Cocaine

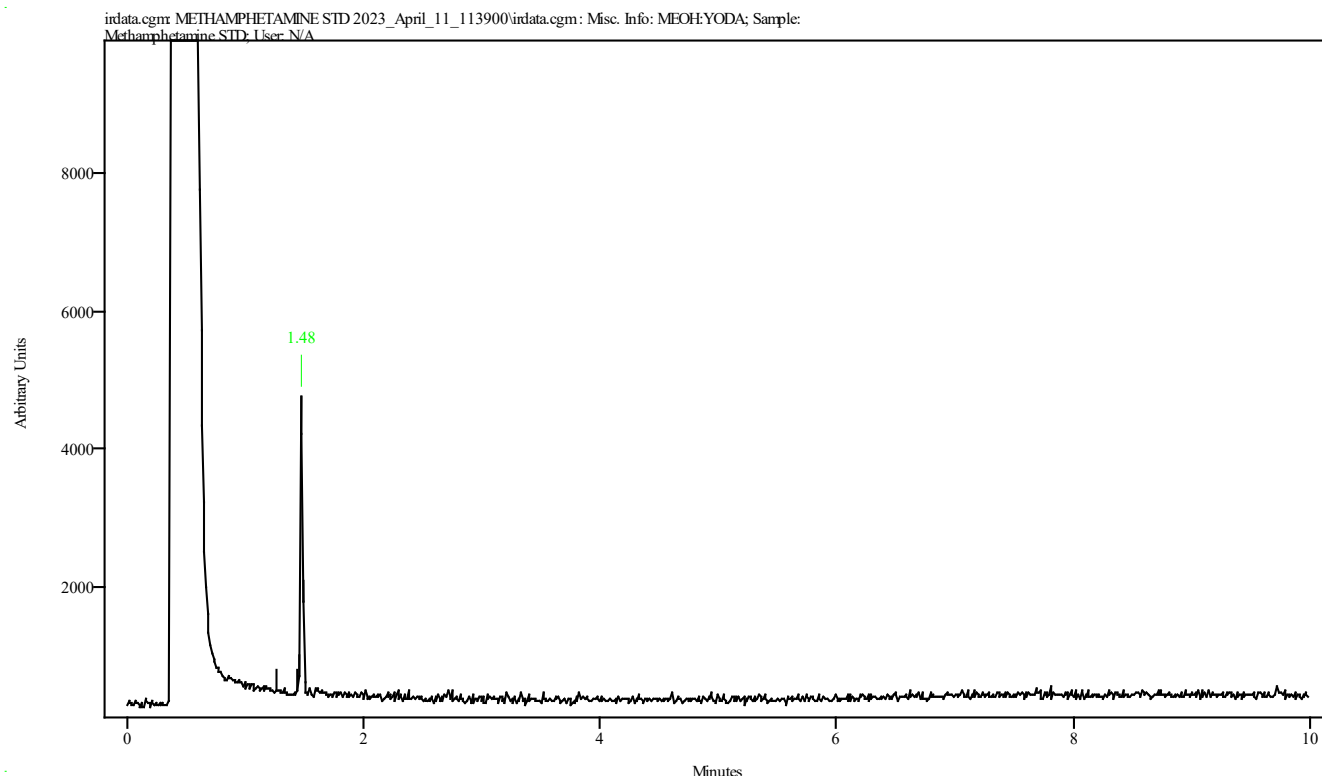
Data Filename	GCMS MIX 2023_April_11_111410
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-11-23-STD
IRD Method	IRD3 EXT
GC Method	MANPOLYDRUG.M
GC Vial	3
Sample Name	GCMS Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Apr 11 11:25:26 2023
Date Processed	Tue Apr 11 12:25:18 2023



IRDATA.SPC: 6.19 minutes: AVE (6.17: 6.22) Ref. (5.91: 6.12) of GCMS MIX 2023_April_11_111410.cgm Hydrocodone

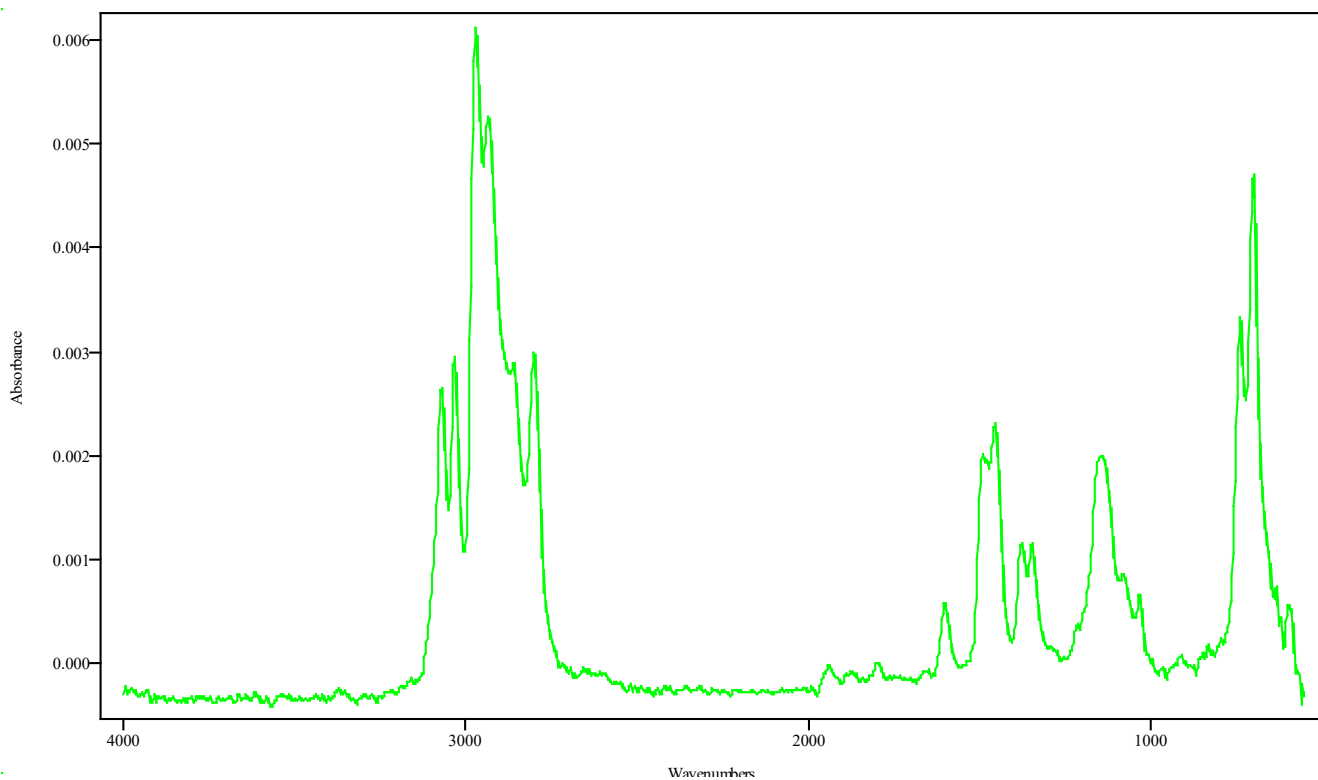
IRD Data Analysis Report

Data Filename	METHAMPHETAMINE STD 2023_April_11_113900
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-11-23-STD
IRD Method	IRD3 EXT
GC Method	MANPOLYDRUG.M
GC Vial	3
Sample Name	Methamphetamine STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Apr 11 11:50:15 2023
Date Processed	Tue Apr 11 12:26:13 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
1.457	1.490	0.033	1.260	1.435

Data Filename	METHAMPHETAMINE STD 2023_April_11_113900
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-11-23-STD
IRD Method	IRD3 EXT
GC Method	MANPOLYDRUG.M
GC Vial	3
Sample Name	Methamphetamine STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Apr 11 11:50:15 2023
Date Processed	Tue Apr 11 12:26:13 2023



IRDATA.SPC: 1.48 minutes: AVE (1.46: 1.49) Ref. (1.26: 1.43) of METHAMPHETAMINE STD 2023_April_11_113900.cgm

Method Information

Method: C:\Users\Public\Documents\ChemStation\1
\Methods\SLPOLYDRUG.M
Modified: 2/22/2023 at 9:40:03 AM

SPLITLESS AUTOSAMPLE 120C TO 270C, HOLD FOR 0.3 MIN @120C, RAMP @55C
PER MIN TO 230C. RAMP @10C PER MIN TO 270C. 10 MINUTE METHOD.

Method Audit Trail

Operator : SYSTEM
Date : 2/17/2023 3:18:48 PM
Change Info: This method was created at 2/17/2023 3:18:48 PM and based on
method
'C:\Users\Public\Documents\ChemStation\1\Methods\POLYDRUG.M'

Operator : SYSTEM
Date : 2/17/2023 3:18:49 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/17/2023 3:20:43 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 2/22/2023 9:40:03 AM
Change Info: Method saved. User comment: ""

Run Time Checklist

Pre-Run Cmd/Macro: off
Data Acquisition: on
Standard Data Analysis: on
Modify Custom Fields: off
Customized Data Analysis: off
Save GLP Data: off
Post-Run Cmd/Macro: off
Save Method with Data: off

Injection Source and Location

Injection Source: GC Injector

Injection Location: Front

Agilent 8890

Module Type: GC

Module Name: Agilent 8890

GC

GC Summary

Run Time 10 min

Post Run Time 0 min

Oven

Temperature

Setpoint On

(Initial) 120 °C

Hold Time 0.3 min

Post Run 120 °C

Program

#1 Rate 55 °C/min

#1 Value 230 °C

#1 Hold Time 0 min

#2 Rate 10 °C/min

#2 Value 270 °C

#2 Hold Time 3.7 min

Equilibration Time 1 min

Max Temperature 325 °C

Maximum Temperature Override Disabled

Slow Fan Disabled

ALS

Front Injector

Syringe Size 10 µL

Injection Volume 1 µL

Solvent A Washes (PreInj) 3

Solvent A Washes (PostInj) 0

Solvent A Volume 8 µL

Solvent B Washes (PreInj) 3

Solvent B Washes (PostInj) 0

Solvent B Volume 8 µL

Sample Washes 1

Sample Wash Volume 8 µL

Sample Pumps 3

Dwell Time (PreInj) 0 min

Dwell Time (PostInj) 0 min

Solvent Wash Draw Speed 300 µL/min

Solvent Wash Dispense Speed 3000 µL/min

Sample Wash Draw Speed 300 µL/min

Sample Wash Dispense Speed 3000 µL/min

Injection Dispense Speed 6000 µL/min

Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Solvent Wash Mode	A, B
Sample Overlap	
Mode	Sample overlap is not enabled
Front SS Inlet He	
Mode	Splitless
Heater	On 250 °C
Pressure	On 10.015 psi
Total Flow	On 21 mL/min
Septum Purge Flow	On 3 mL/min
Septum Purge Flow Mode	Standard
Pre-Run Flow Test	Off
Gas Saver	On 15 mL/min after 2 min
Purge Flow to Split Vent	15 mL/min at 0.75 min
Liner	A Liner has not been selected.
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	3 mL/min
Post Run	2 mL/min
Temperature Range	-60 °C–325 °C (325 °C)
Dimensions	15 m x 320 µm x 1 µm
(Uncalibrated)	
Column lock	Unlocked
In	Front SS Inlet He
Out	Other
(Initial)	120 °C
Pressure	10.015 psi
Flow	3 mL/min
Average Velocity	60.612 cm/sec
Holdup Time	0.41246 min
Control Mode	Constant Flow
Column Outlet Pressure	0 psi
Detector Evaluation	
Perform Detector Evaluation Test	Off
Signal Selected	No Signal Selected
Checkout Sample	None
Signals	
Signal #1: Test Plot	
Description	Test Plot
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #2:	

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

The Data Analysis Parameters of the used Method are :

=====

Integration Events

=====

Non signal specific Integration Events

Event	Value
Tangent Skim Mode	New Exponential
Tail Peak Skim Height Ratio	5.000
Front Peak Skim Height Ratio	5.000
Skim Valley Ratio	20.000
Baseline Correction	Advanced
Peak to Valley Ratio	500.000

Default Integration Event Table "Event"

Event	Value	Time
-----	-----	-----

Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

 Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

 Detector Default Integration Event Table "Event_FID"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

 Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

 Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial

Initial Height Reject		1.000	Initial
Initial Shoulders	OFF		Initial
Initial Area Percent Reject		0.000	Initial
Solvent Peak Slope		0.000	0.000

Detector Default Integration Event Table "Event_NPD"

Event		Value	Time
Initial Slope Sensitivity		500.000	Initial
Initial Peak Width		0.040	Initial
Initial Area Reject		1.000	Initial
Initial Height Reject		1.000	Initial
Initial Shoulders	OFF		Initial
Initial Area Percent Reject		0.000	Initial
Solvent Peak Slope		0.000	0.000

Detector Default Integration Event Table "Event_FPD"

Event		Value	Time
Initial Slope Sensitivity		50.000	Initial
Initial Peak Width		0.040	Initial
Initial Area Reject		1.000	Initial
Initial Height Reject		1.000	Initial
Initial Shoulders	OFF		Initial
Initial Area Percent Reject		0.000	Initial
Solvent Peak Slope		0.000	0.000

Detector Default Integration Event Table "Event_uECD"

Event		Value	Time
Initial Slope Sensitivity		500.000	Initial
Initial Peak Width		0.080	Initial
Initial Area Reject		1.000	Initial
Initial Height Reject		1.000	Initial
Initial Shoulders	OFF		Initial
Initial Area Percent Reject		0.000	Initial
Solvent Peak Slope		0.000	0.000

Detector Default Integration Event Table "Event_GC"

Event		Value	Time
Initial Slope Sensitivity		50.000	Initial
Initial Peak Width		0.040	Initial
Initial Area Reject		1.000	Initial
Initial Height Reject		1.000	Initial

Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Apply Method's Manual Integration Events: No

=====
Specify Report
=====

Calculate: Area Percent
Do not use Multiplier & Dilution Factor with ISTDs

Use Sample Data from Data File

Report mode: Classic
Destination: File (Prefix: Report)
Destination File Types: No destination file types selected
Quantitative Results sorted by: Signal
Report Style: (None)
Sample info on each page: No
Add Chromatogram Output: No
Uncalibrated Peaks: Do Not Report

=====
Signal Options
=====

Include: Axes, Retention Times, Baselines, Tick Marks
Font: Arial, Size: 8

Ranges: Full
Multi Chromatograms: Separated, Each in full Scale

=====
Calibration Table
=====

General Calibration Setting

Calib. Data Modified :
Signals calculated separately : No

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated

Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
 Printout of recalibrations within a sequence:
 Calibration Table after Recalibration
 Normal Report after Recalibration
 If the sequence is done with bracketing:
 Results of first cycle (ending previous bracket)

Signal Details

Overview Table

No Entries in table

Identification Details Table

No Entries in table

Peak Sum Table

No Entries in table

Component Details Table

No Entries in table

=====

Sample related custom fields

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Custom Field	Type	Mand.	Default Value

None defined			

=====

Compound related custom fields

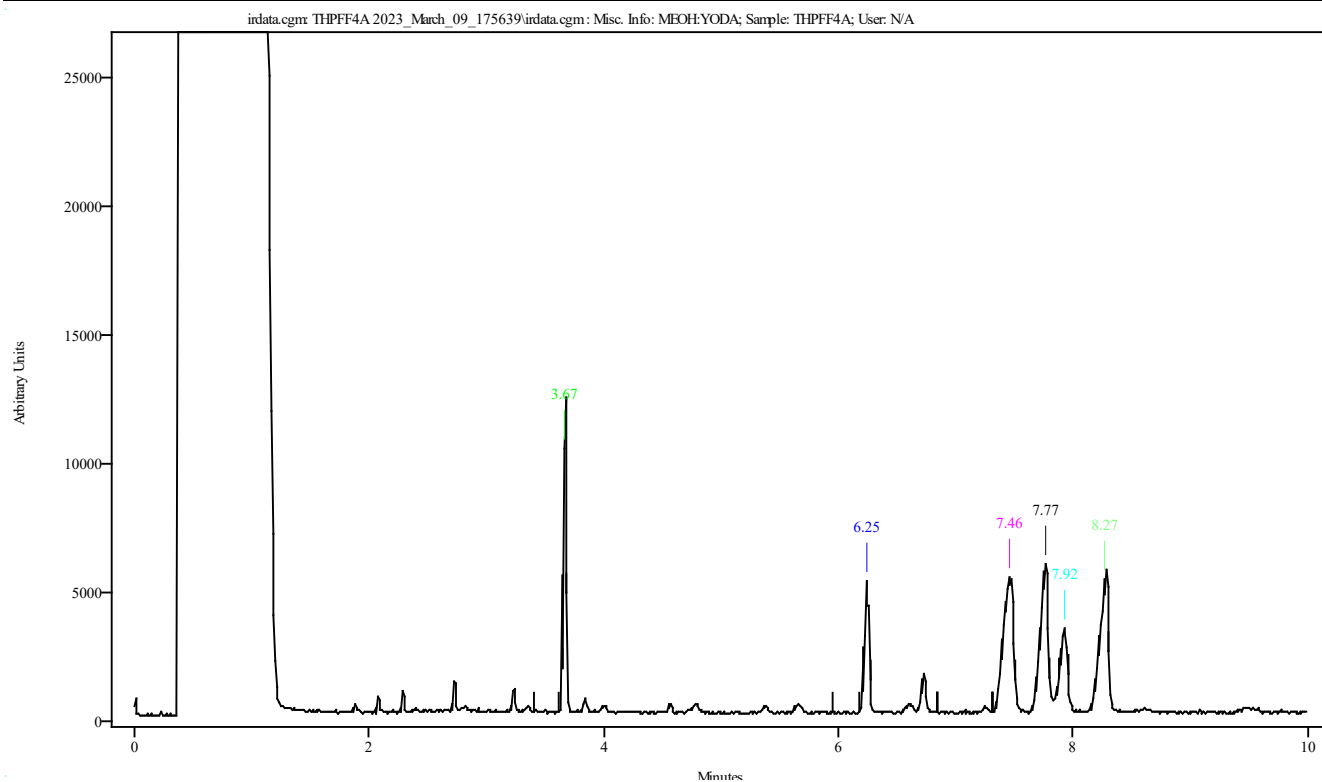
=====

Custom Field	Type	Mand.	Default Value

None defined			

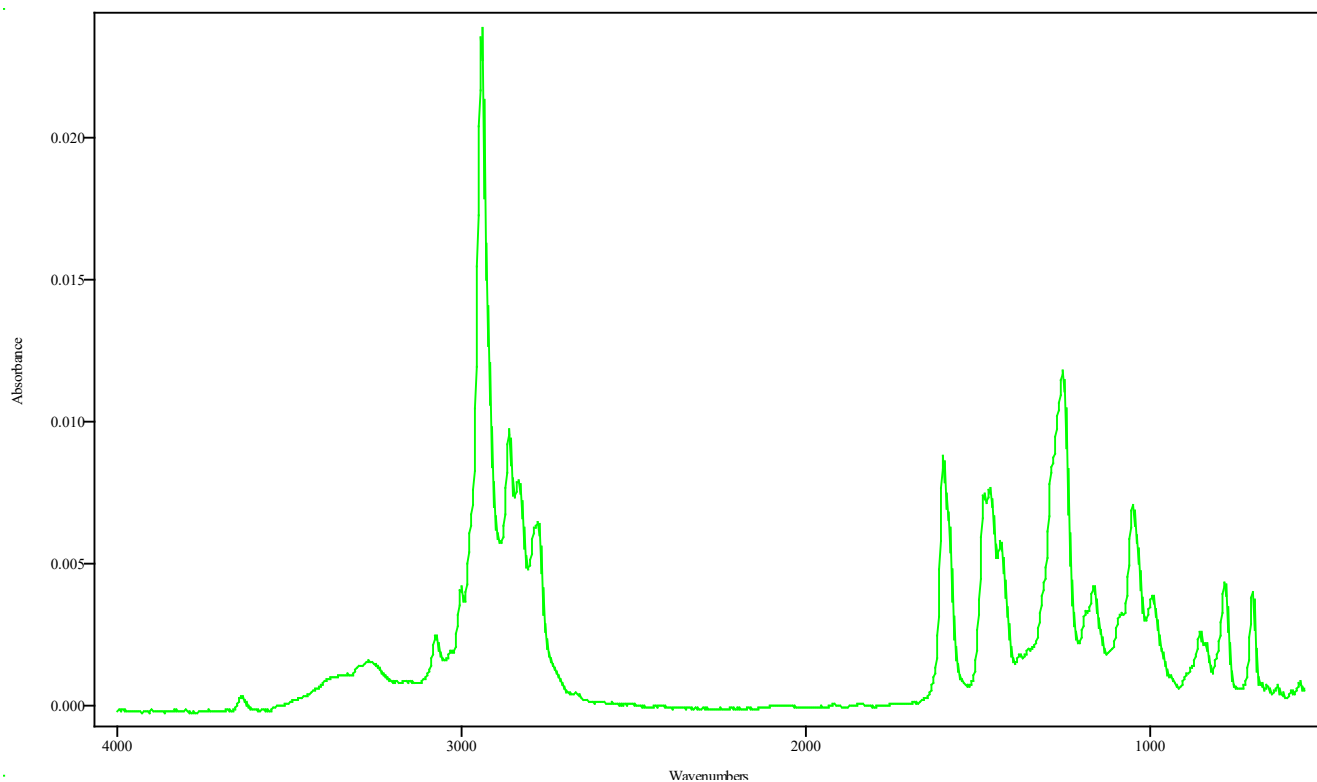
IRD Data Analysis Report

Data Filename	THPFF4A 2023_March_09_175639
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-9-23-1
IRD Method	IRD3 EXT
GC Method	SLPOLYDRUG.M
GC Vial	5
Sample Name	THPFF4A
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Thu Mar 09 18:10:32 2023
Date Processed	Mon Mar 20 09:46:09 2023



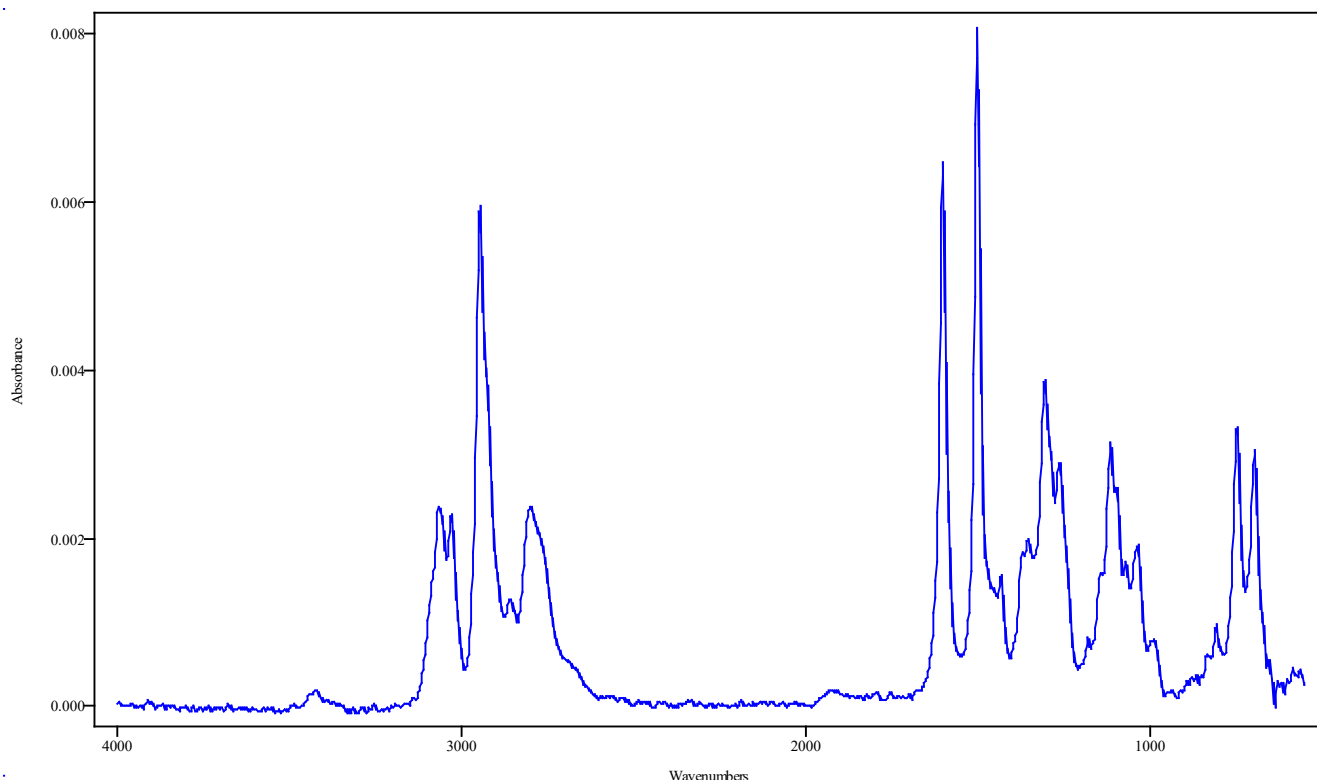
Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.644	3.688	0.044	3.404	3.623
6.216	6.271	0.055	5.954	6.172
7.387	7.508	0.120	6.840	7.322
7.716	7.803	0.088	6.840	7.322
7.880	7.956	0.077	6.840	7.322
8.219	8.307	0.088	6.840	7.322

Data Filename	THPFF4A 2023_March_09_175639
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-9-23-1
IRD Method	IRD3 EXT
GC Method	SLPOLYDRUG.M
GC Vial	5
Sample Name	THPFF4A
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Thu Mar 09 18:10:32 2023
Date Processed	Mon Mar 20 09:46:09 2023



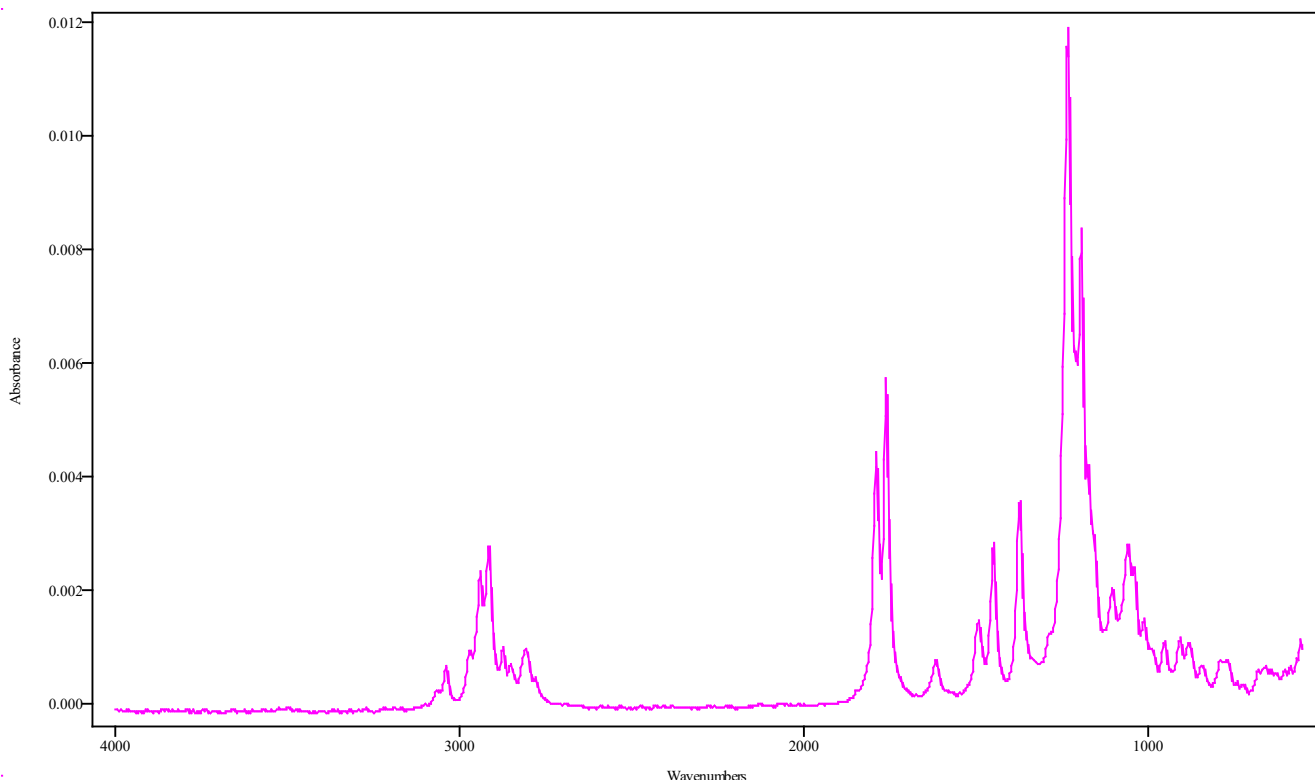
IRDATA.SPC: 3.67 minutes: AVE (3.64: 3.69) Ref. (3.40: 3.62) of THPFF4A
2023_March_09_175639.cgm Tramadol

Data Filename	THPFF4A 2023_March_09_175639
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-9-23-1
IRD Method	IRD3 EXT
GC Method	SLPOLYDRUG.M
GC Vial	5
Sample Name	THPFF4A
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Thu Mar 09 18:10:32 2023
Date Processed	Mon Mar 20 09:46:09 2023



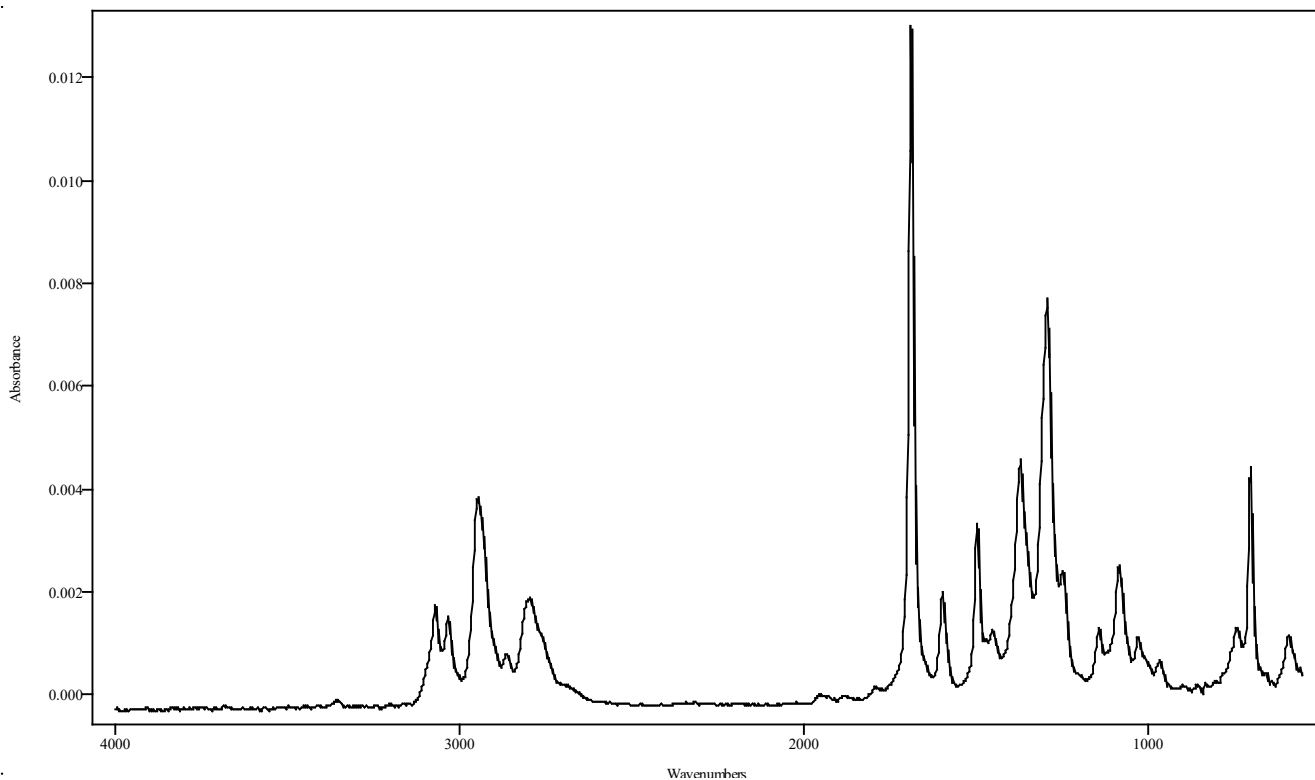
IRDATA.SPC: 6.25 minutes: AVE (6.22: 6.27) Ref. (5.95: 6.17) of THPFF4A
2023_March_09_175639.cgm 4-ANPP

Data Filename	THPFF4A 2023_March_09_175639
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-9-23-1
IRD Method	IRD3 EXT
GC Method	SLPOLYDRUG.M
GC Vial	5
Sample Name	THPFF4A
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Thu Mar 09 18:10:32 2023
Date Processed	Mon Mar 20 09:46:09 2023



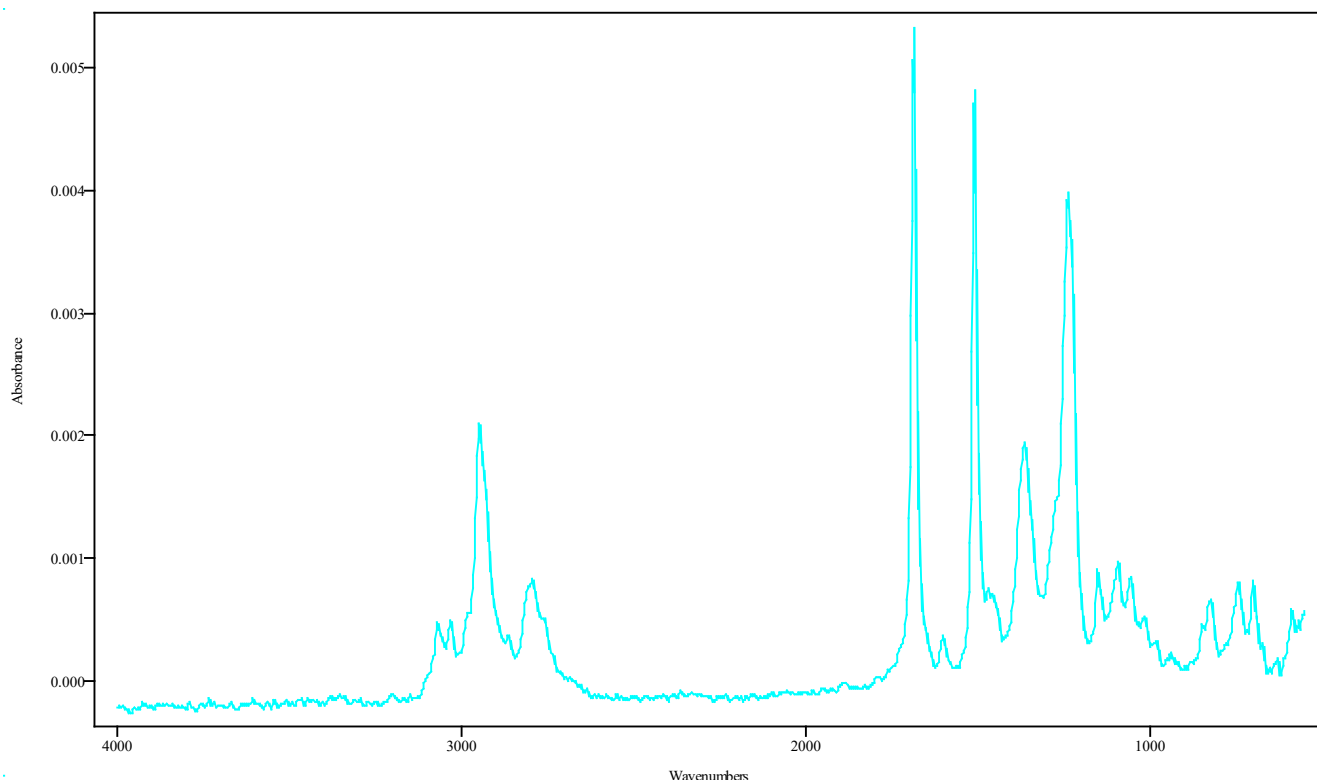
IRDATA.SPC: 7.46 minutes: AVE (7.39: 7.51) Ref. (6.84: 7.32) of THPFF4A
2023_March_09_175639.cgm Heroin

Data Filename	THPFF4A 2023_March_09_175639
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-9-23-1
IRD Method	IRD3 EXT
GC Method	SLPOLYDRUG.M
GC Vial	5
Sample Name	THPFF4A
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Thu Mar 09 18:10:32 2023
Date Processed	Mon Mar 20 09:46:09 2023



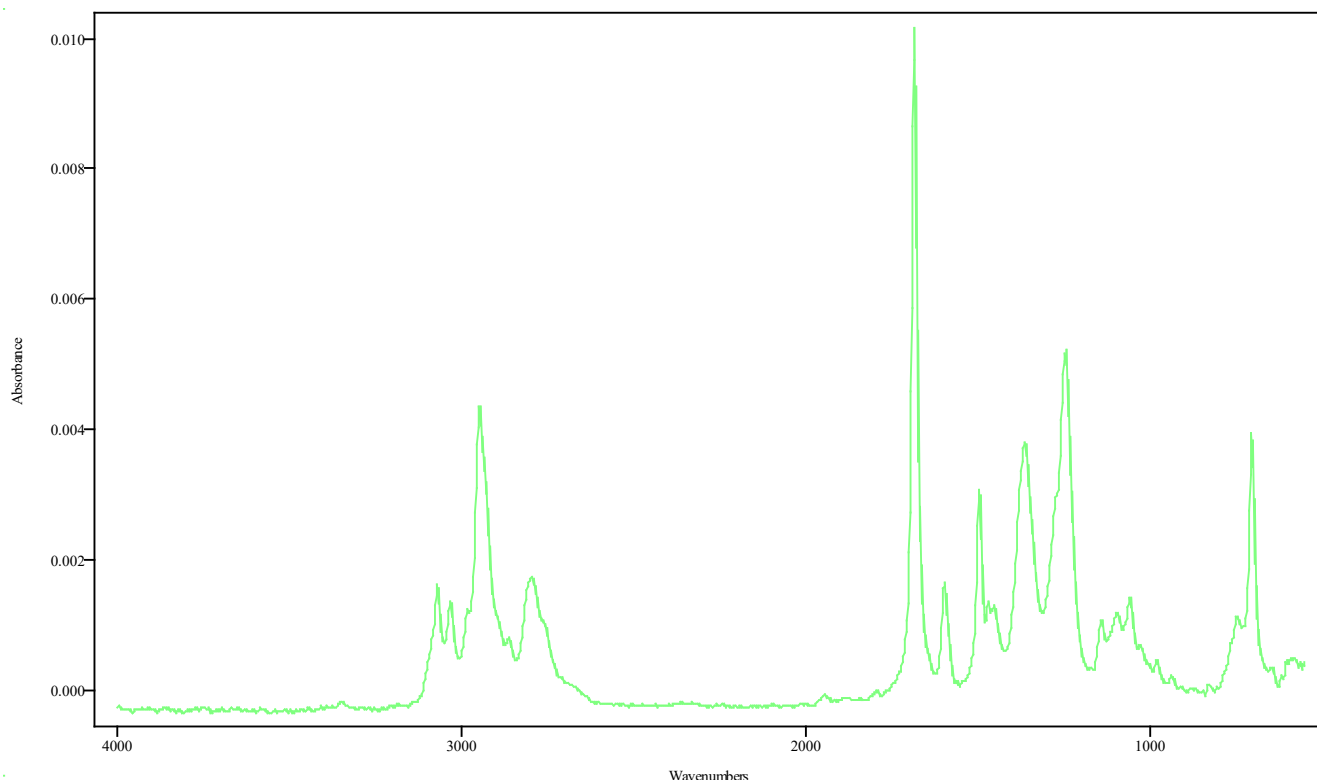
IRDATA.SPC: 7.77 minutes: AVE (7.72: 7.80) Ref. (6.84: 7.32) of THPFF4A
2023_March_09_175639.cgm Acetylfentanyl

Data Filename	THPFF4A 2023_March_09_175639
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-9-23-1
IRD Method	IRD3 EXT
GC Method	SLPOLYDRUG.M
GC Vial	5
Sample Name	THPFF4A
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Thu Mar 09 18:10:32 2023
Date Processed	Mon Mar 20 09:46:09 2023



IRDATA.SPC: 7.92 minutes: AVE (7.88: 7.96) Ref. (6.84: 7.32) of THPFF4A
 2023_March_09_175639.cgm Para-fluorofentanyl

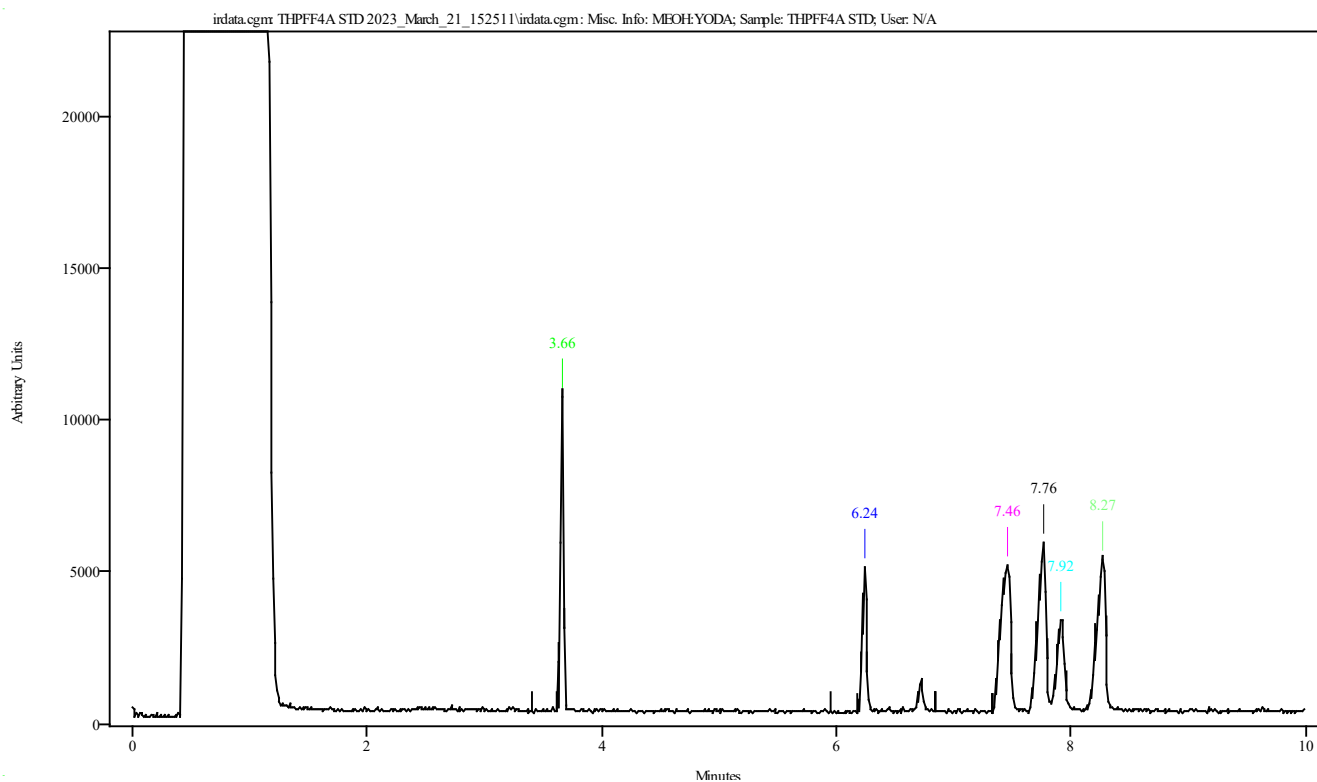
Data Filename	THPFF4A 2023_March_09_175639
Data Path	C:/ASAP DATA/YODA 2023/Validation/METHODS 3-9-23-1
IRD Method	IRD3 EXT
GC Method	SLPOLYDRUG.M
GC Vial	5
Sample Name	THPFF4A
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Thu Mar 09 18:10:32 2023
Date Processed	Mon Mar 20 09:46:09 2023



IRDATA.SPC: 8.27 minutes: AVE (8.22: 8.31) Ref. (6.84: 7.32) of THPFF4A
2023_March_09_175639.cgm Fentanyl

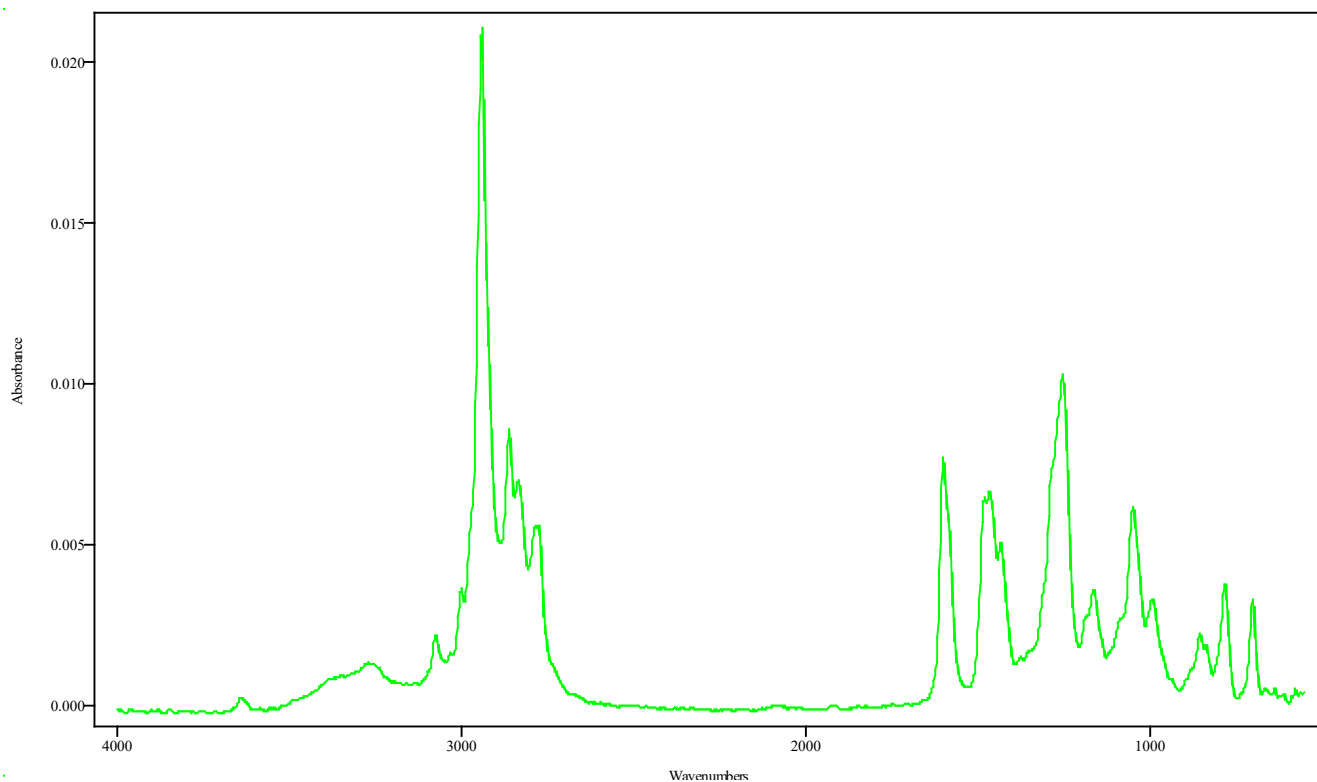
Data Filename	THPFF4A STD 2023_March_21_152511
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-21-23-STDs
IRD Method	IRD3 EXT
GC Method	SLPOLYDRUG.M
GC Vial	5
Sample Name	THPFF4A STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Mar 21 15:39:02 2023
Date Processed	Wed Mar 22 09:56:20 2023

IRD Data Analysis Report



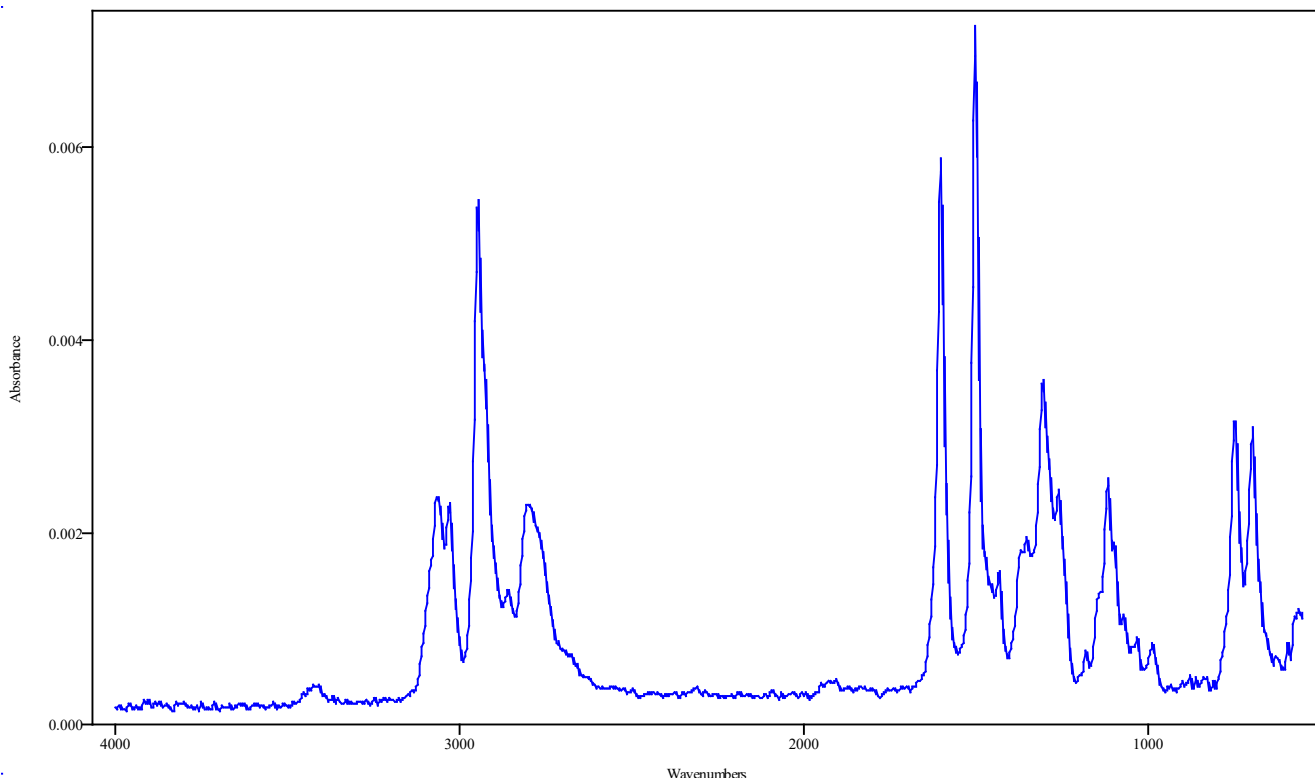
Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.641	3.684	0.044	3.400	3.619
6.210	6.264	0.055	5.958	6.177
7.380	7.500	0.120	6.844	7.325
7.708	7.795	0.087	6.844	7.325
7.882	7.959	0.077	6.844	7.325
8.210	8.298	0.087	6.844	7.325

Data Filename	THPFF4A STD 2023_March_21_152511
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-21-23-STDs
IRD Method	IRD3 EXT
GC Method	SLPOLYDRUG.M
GC Vial	5
Sample Name	THPFF4A STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Mar 21 15:39:02 2023
Date Processed	Wed Mar 22 09:56:20 2023



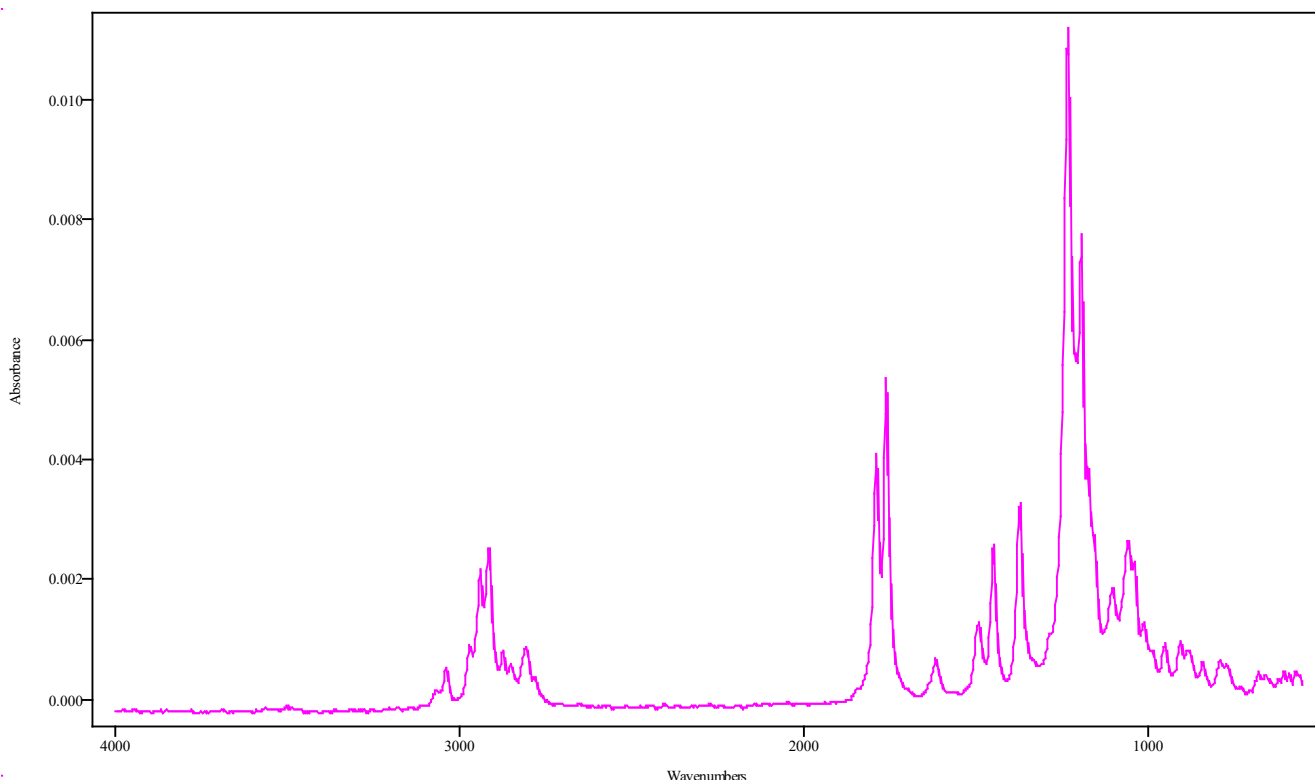
IRDATA.SPC: 3.66 minutes: AVE (3.64: 3.68) Ref. (3.40: 3.62) of THPFF4A STD
2023_March_21_152511.cgm Tramadol

Data Filename	THPFF4A STD 2023_March_21_152511
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-21-23-STDs
IRD Method	IRD3 EXT
GC Method	SLPOLYDRUG.M
GC Vial	5
Sample Name	THPFF4A STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Mar 21 15:39:02 2023
Date Processed	Wed Mar 22 09:56:20 2023



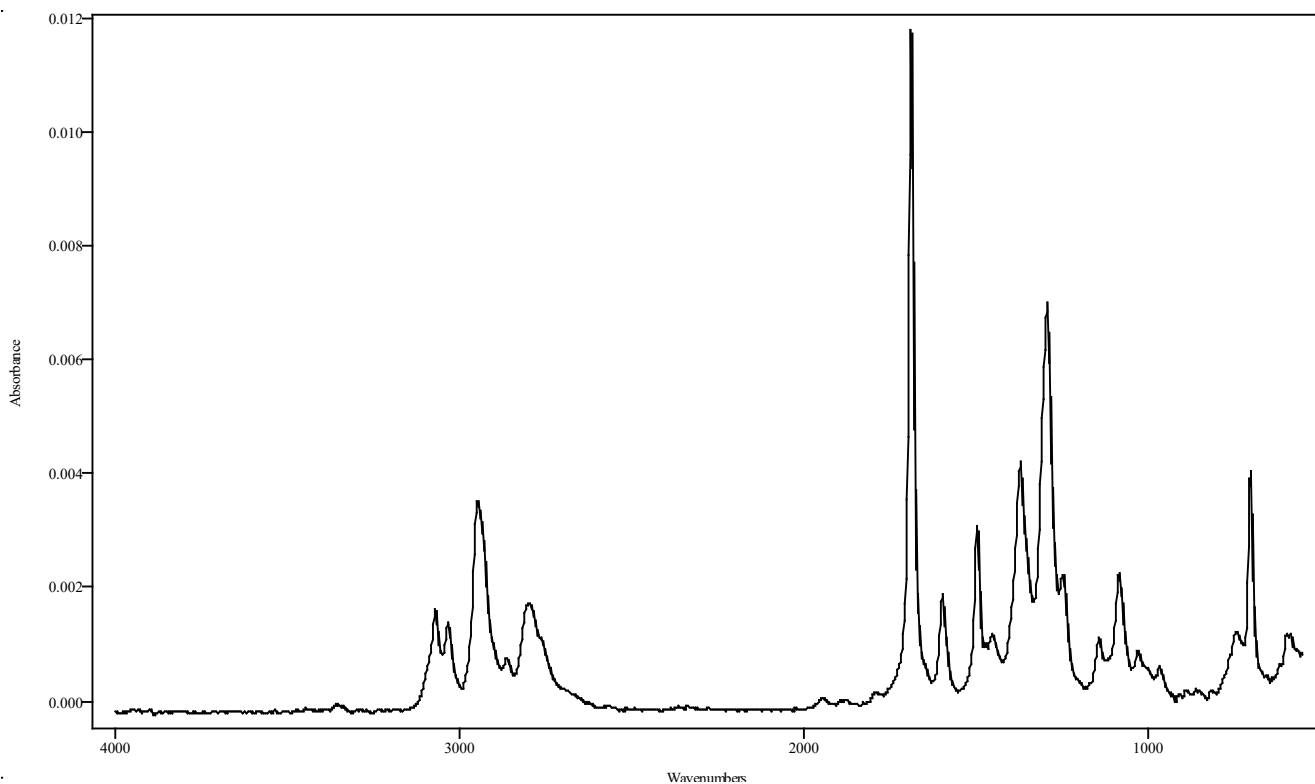
IRDATA.SPC: 6.24 minutes: AVE (6.21: 6.26) Ref. (5.96: 6.18) of THPFF4A STD
2023_March_21_152511.cgm 4-ANPP

Data Filename	THPFF4A STD 2023_March_21_152511
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-21-23-STDs
IRD Method	IRD3 EXT
GC Method	SLPOLYDRUG.M
GC Vial	5
Sample Name	THPFF4A STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Mar 21 15:39:02 2023
Date Processed	Wed Mar 22 09:56:20 2023



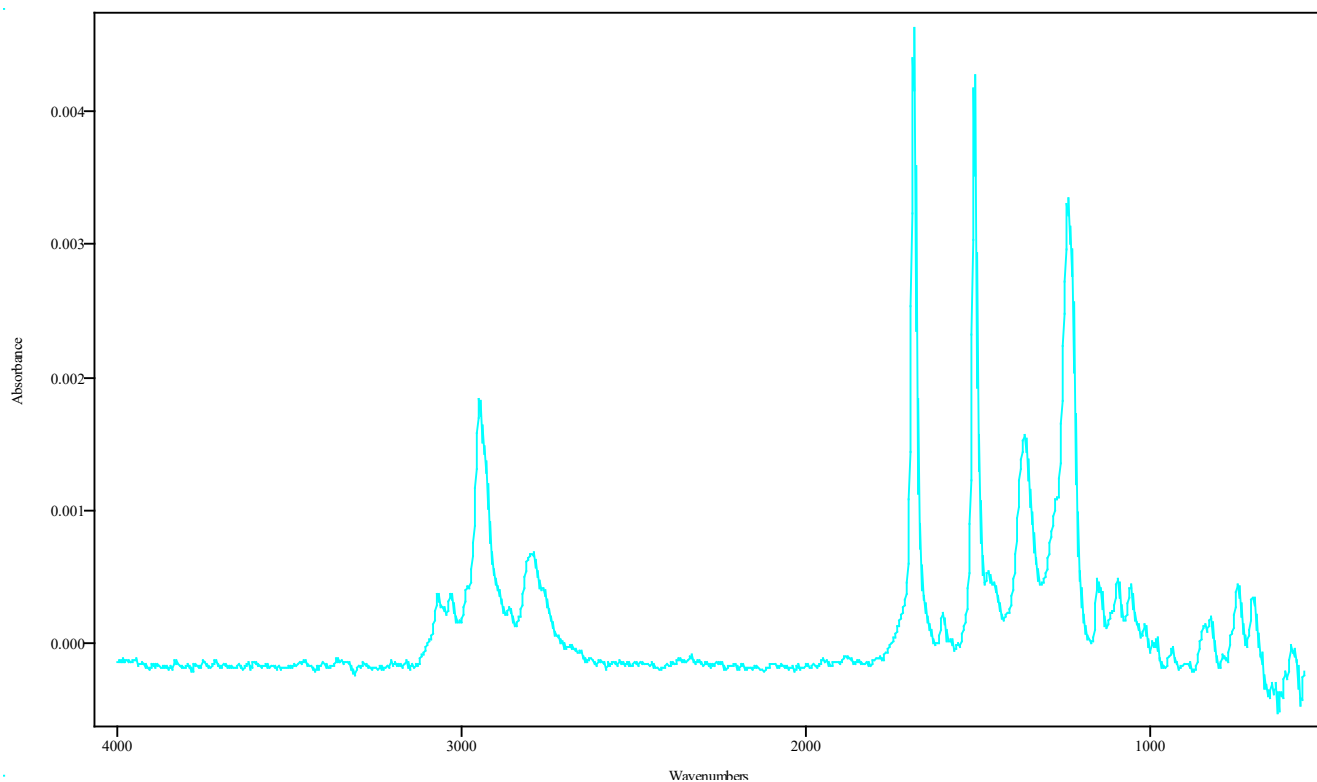
IRDATA.SPC: 7.46 minutes: AVE (7.38: 7.50) Ref. (6.84: 7.32) of THPFF4A STD
2023_March_21_152511.cgm Heroin

Data Filename	THPFF4A STD 2023_March_21_152511
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-21-23-STDs
IRD Method	IRD3 EXT
GC Method	SLPOLYDRUG.M
GC Vial	5
Sample Name	THPFF4A STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Mar 21 15:39:02 2023
Date Processed	Wed Mar 22 09:56:20 2023



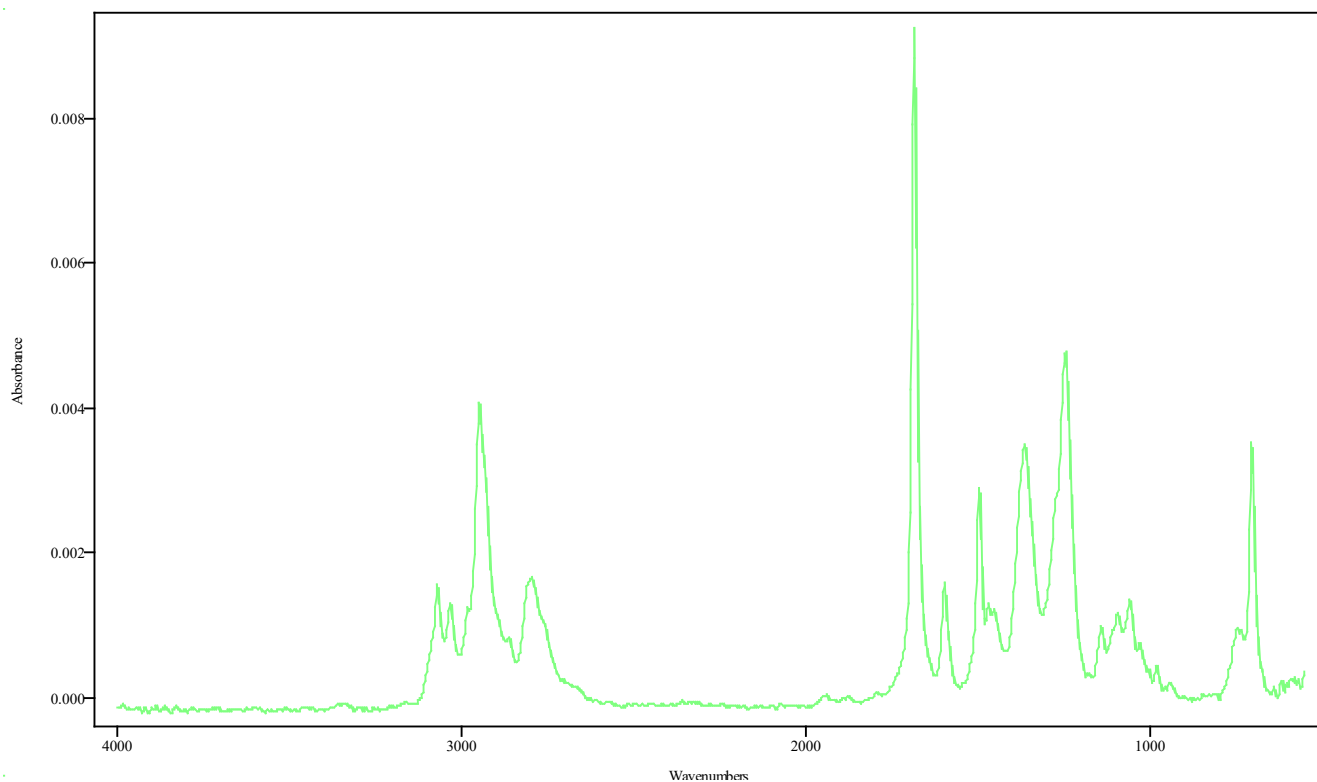
IRDATA.SPC: 7.76 minutes: AVE (7.71: 7.80) Ref. (6.84: 7.32) of THPFF4A STD
2023_March_21_152511.cgm Acetylfentanyl

Data Filename	THPFF4A STD 2023_March_21_152511
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-21-23-STDs
IRD Method	IRD3 EXT
GC Method	SLPOLYDRUG.M
GC Vial	5
Sample Name	THPFF4A STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Mar 21 15:39:02 2023
Date Processed	Wed Mar 22 09:56:20 2023



IRDATA.SPC: 7.92 minutes: AVE (7.88: 7.96) Ref. (6.84: 7.32) of THPFF4A STD
2023_March_21_152511.cgm Para-fluorofentanyl

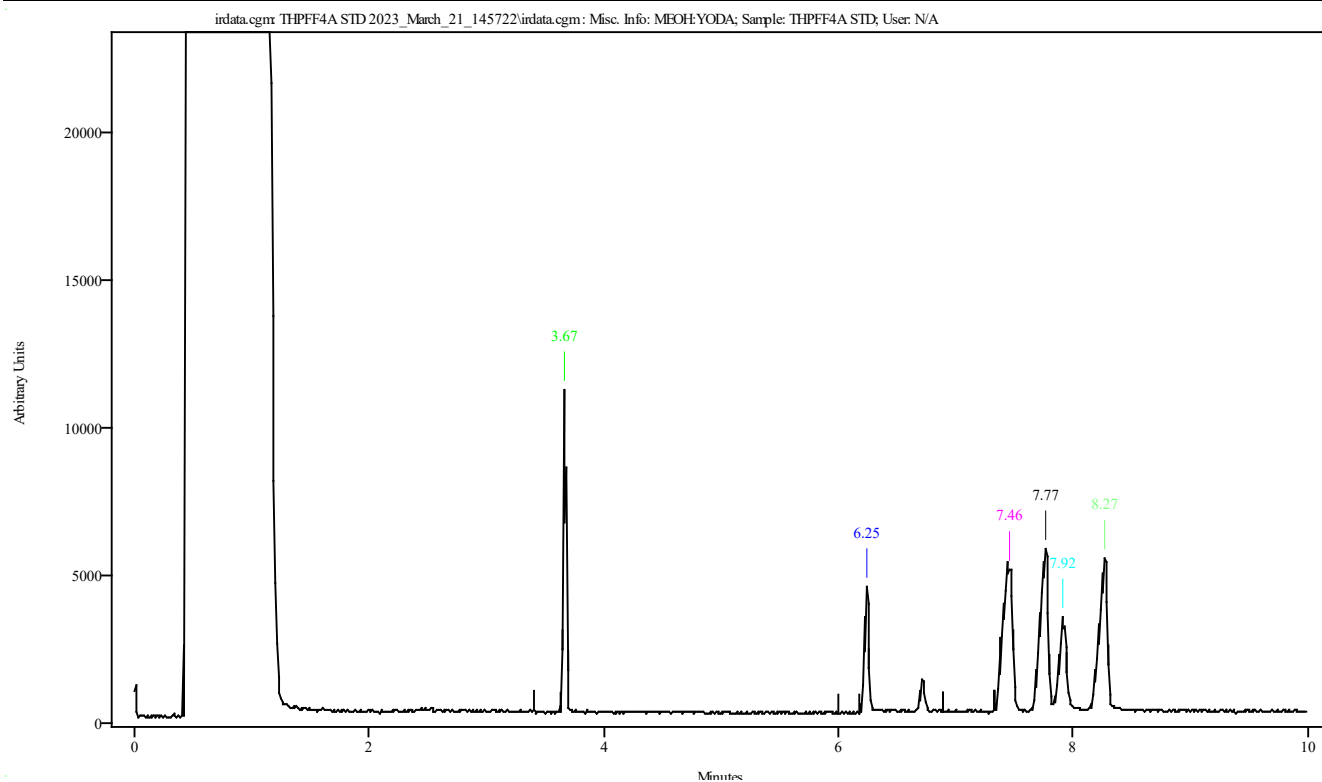
Data Filename	THPFF4A STD 2023_March_21_152511
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-21-23-STDs
IRD Method	IRD3 EXT
GC Method	SLPOLYDRUG.M
GC Vial	5
Sample Name	THPFF4A STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Mar 21 15:39:02 2023
Date Processed	Wed Mar 22 09:56:20 2023



IRDATA.SPC: 8.27 minutes: AVE (8.21: 8.30) Ref. (6.84: 7.32) of THPFF4A STD
2023_March_21_152511.cgm Fentanyl

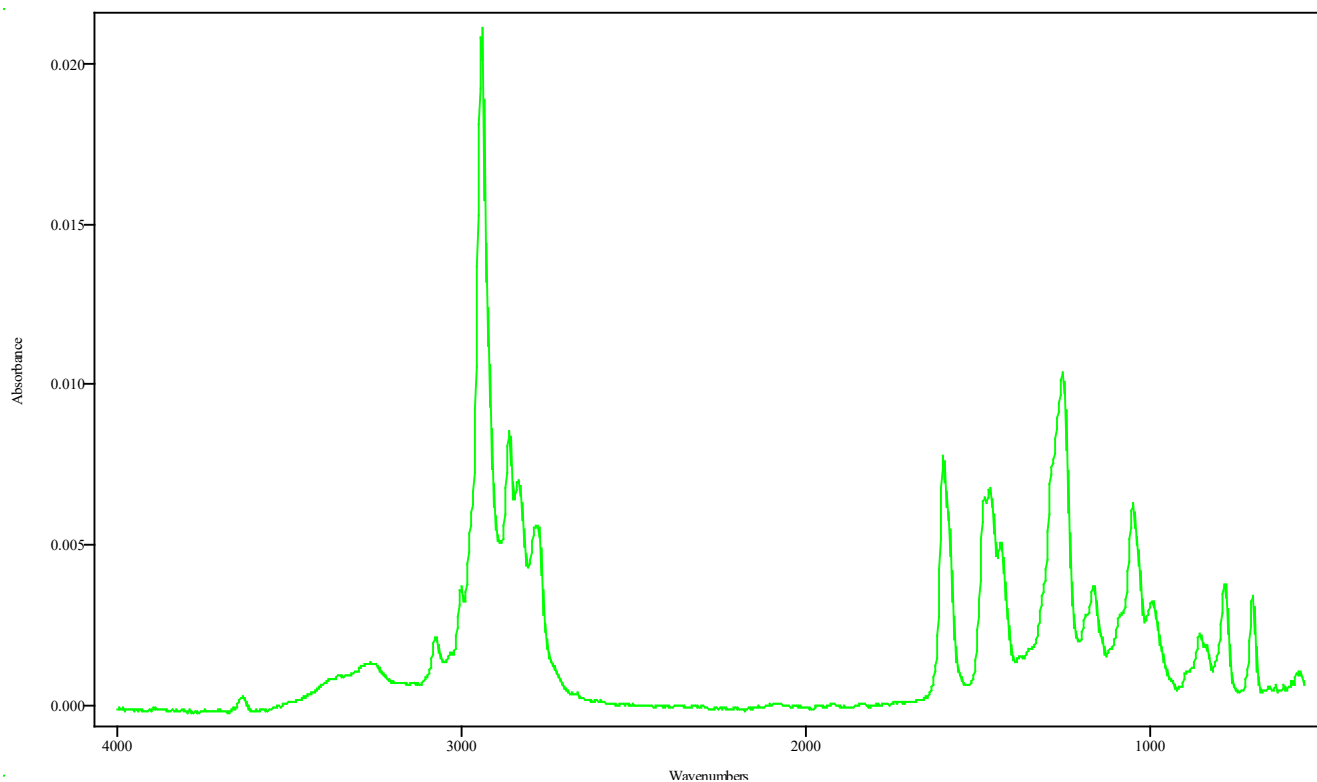
IRD Data Analysis Report

Data Filename	THPFF4A STD 2023_March_21_145722
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-21-23-STDs
IRD Method	IRD3 EXT
GC Method	SLPOLYDRUG.M
GC Vial	5
Sample Name	THPFF4A STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Mar 21 15:11:15 2023
Date Processed	Wed Mar 22 10:02:13 2023



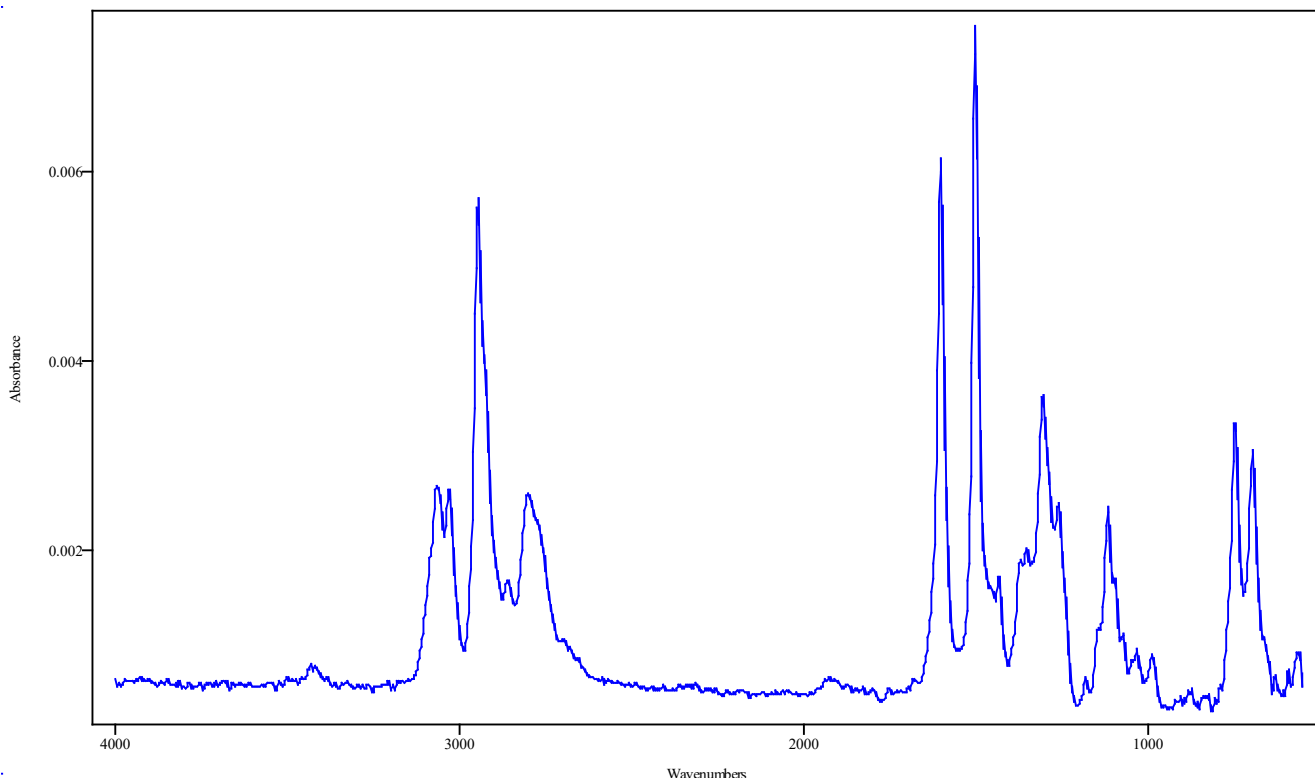
Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.648	3.692	0.044	3.407	3.626
6.223	6.267	0.044	6.004	6.179
7.384	7.494	0.110	6.891	7.330
7.713	7.801	0.088	6.891	7.330
7.877	7.954	0.077	6.891	7.330
8.217	8.305	0.088	6.891	7.330

Data Filename	THPFF4A STD 2023_March_21_145722
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-21-23-STDs
IRD Method	IRD3 EXT
GC Method	SLPOLYDRUG.M
GC Vial	5
Sample Name	THPFF4A STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Mar 21 15:11:15 2023
Date Processed	Wed Mar 22 10:02:13 2023



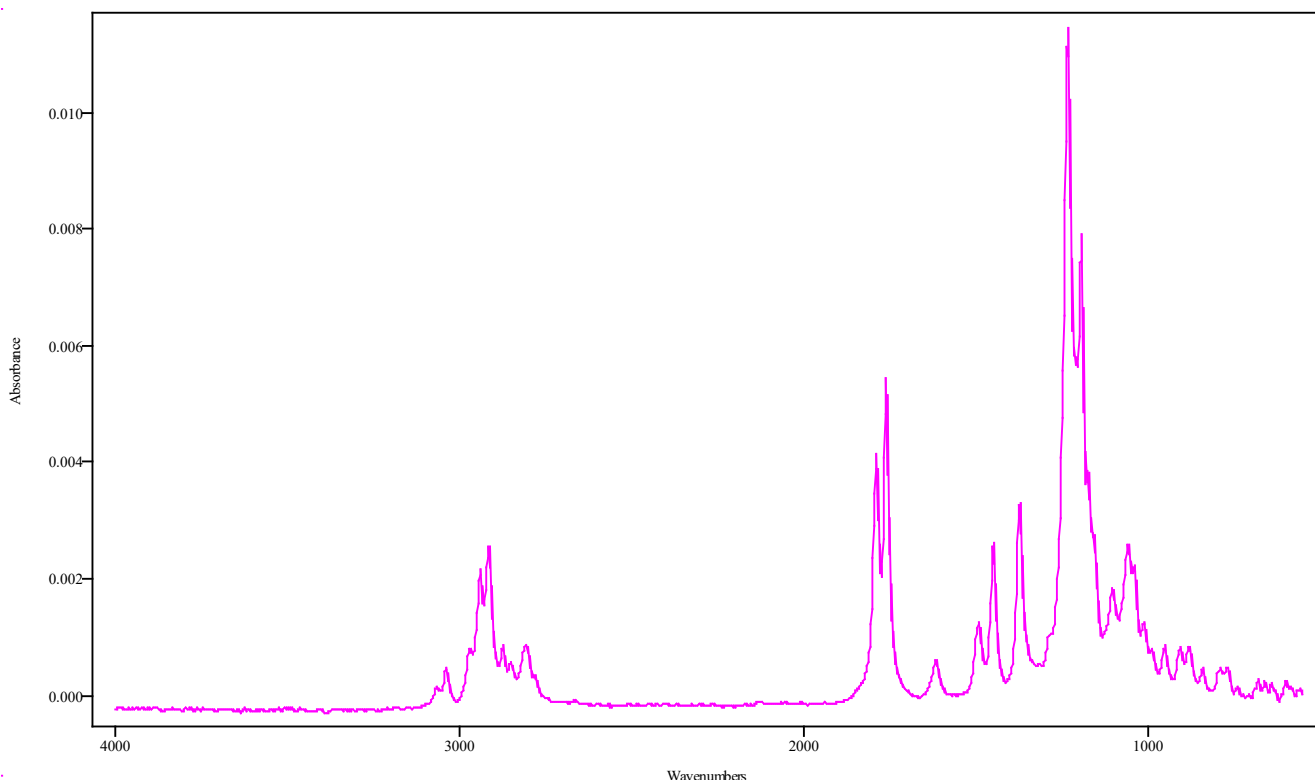
IRDATA.SPC: 3.67 minutes: AVE (3.65: 3.69) Ref. (3.41: 3.63) of THPFF4A STD
2023_March_21_145722.cgm Tramadol

Data Filename	THPFF4A STD 2023_March_21_145722
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-21-23-STDs
IRD Method	IRD3 EXT
GC Method	SLPOLYDRUG.M
GC Vial	5
Sample Name	THPFF4A STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Mar 21 15:11:15 2023
Date Processed	Wed Mar 22 10:02:13 2023



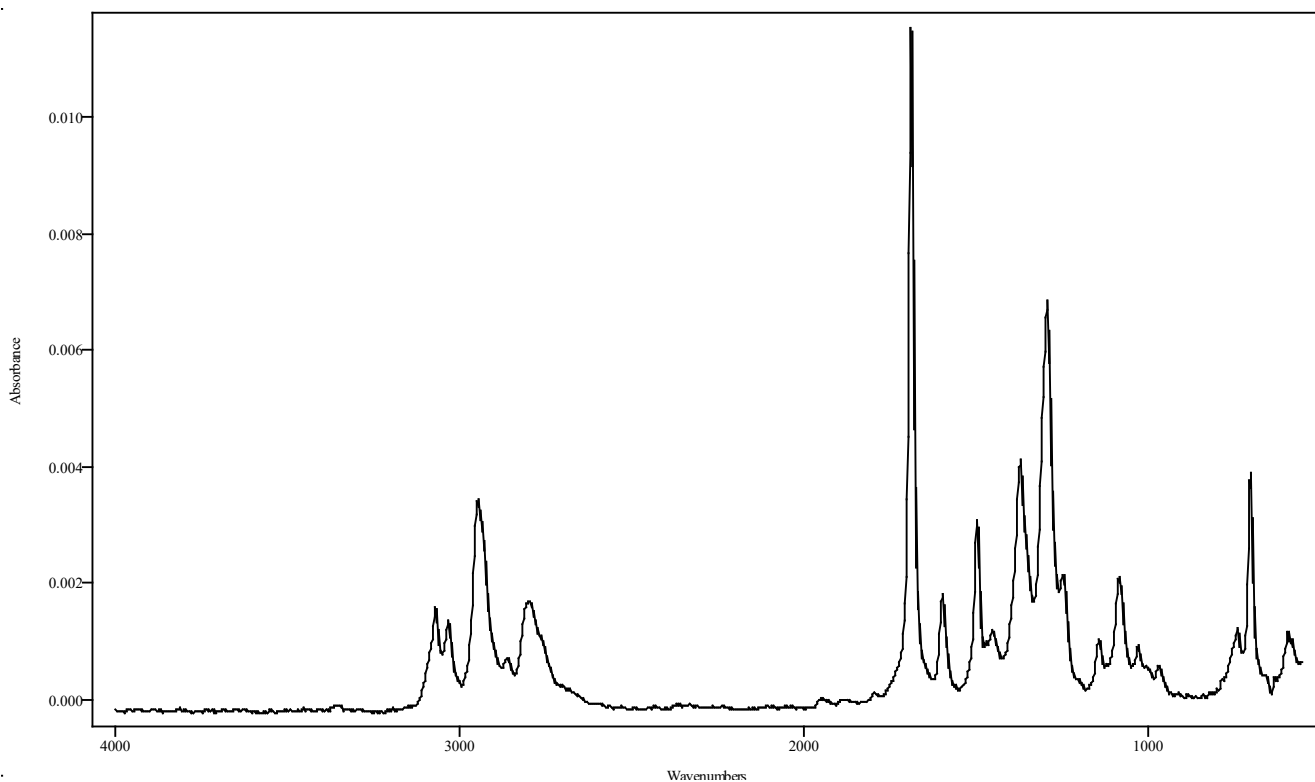
IRDATA.SPC: 6.25 minutes: AVE (6.22: 6.27) Ref. (6.00: 6.18) of THPFF4A STD
2023_March_21_145722.cgm 4-ANPP

Data Filename	THPFF4A STD 2023_March_21_145722
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-21-23-STDs
IRD Method	IRD3 EXT
GC Method	SLPOLYDRUG.M
GC Vial	5
Sample Name	THPFF4A STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Mar 21 15:11:15 2023
Date Processed	Wed Mar 22 10:02:13 2023



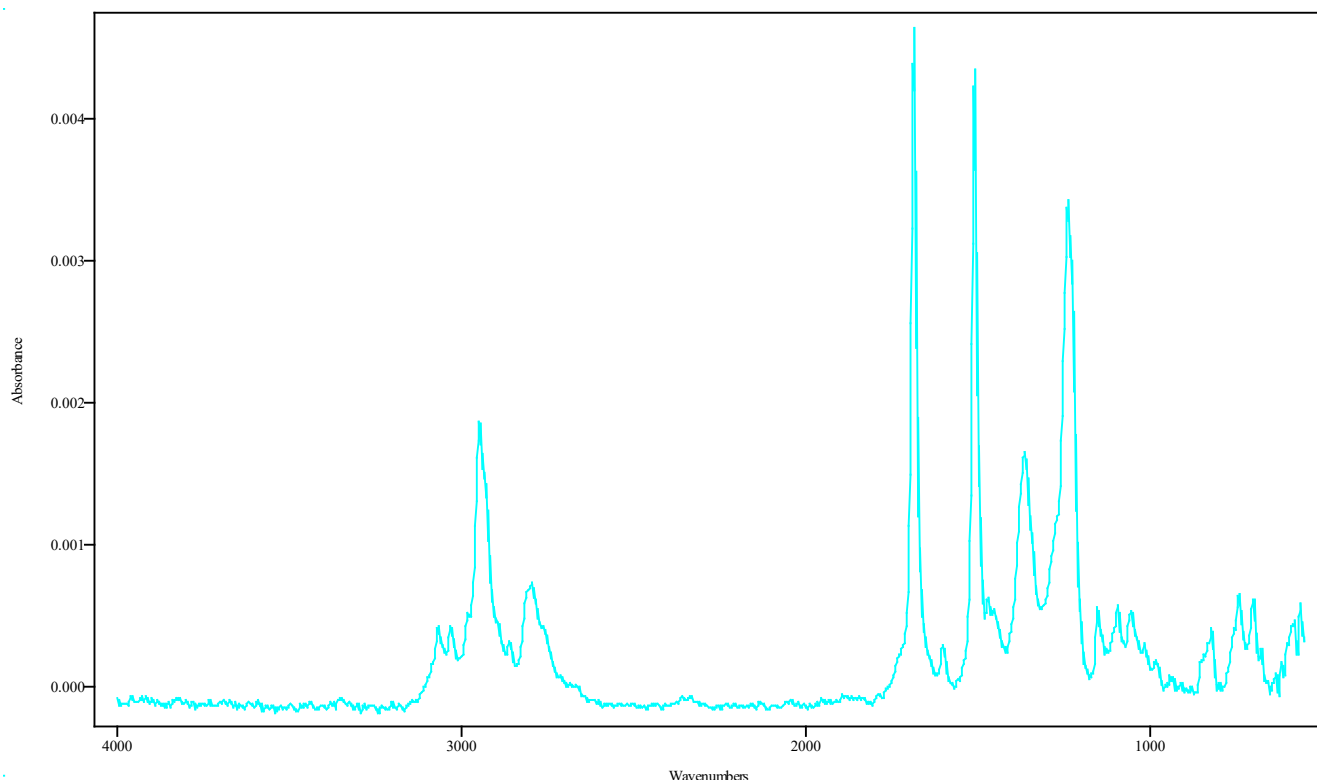
IRDATA.SPC: 7.46 minutes: AVE (7.38: 7.49) Ref. (6.89: 7.33) of THPFF4A STD
2023_March_21_145722.cgm Heroin

Data Filename	THPFF4A STD 2023_March_21_145722
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-21-23-STDs
IRD Method	IRD3 EXT
GC Method	SLPOLYDRUG.M
GC Vial	5
Sample Name	THPFF4A STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Mar 21 15:11:15 2023
Date Processed	Wed Mar 22 10:02:13 2023



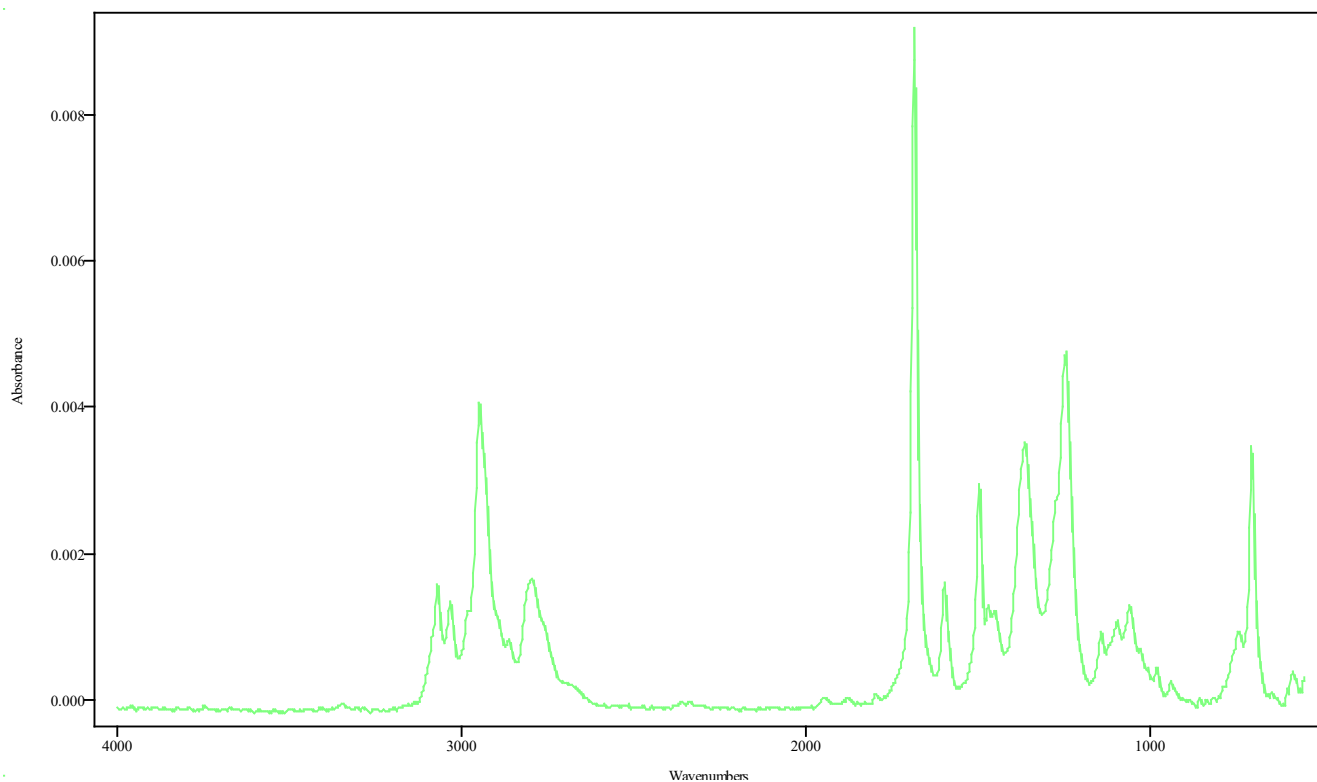
IRDATA.SPC: 7.77 minutes: AVE (7.71: 7.80) Ref. (6.89: 7.33) of THPFF4A STD
2023_March_21_145722.cgm Acetylfentanyl

Data Filename	THPFF4A STD 2023_March_21_145722
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-21-23-STDs
IRD Method	IRD3 EXT
GC Method	SLPOLYDRUG.M
GC Vial	5
Sample Name	THPFF4A STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Mar 21 15:11:15 2023
Date Processed	Wed Mar 22 10:02:13 2023



IRDATA.SPC: 7.92 minutes: AVE (7.88: 7.95) Ref. (6.89: 7.33) of THPFF4A STD
2023_March_21_145722.cgm Para-fluorofentanyl

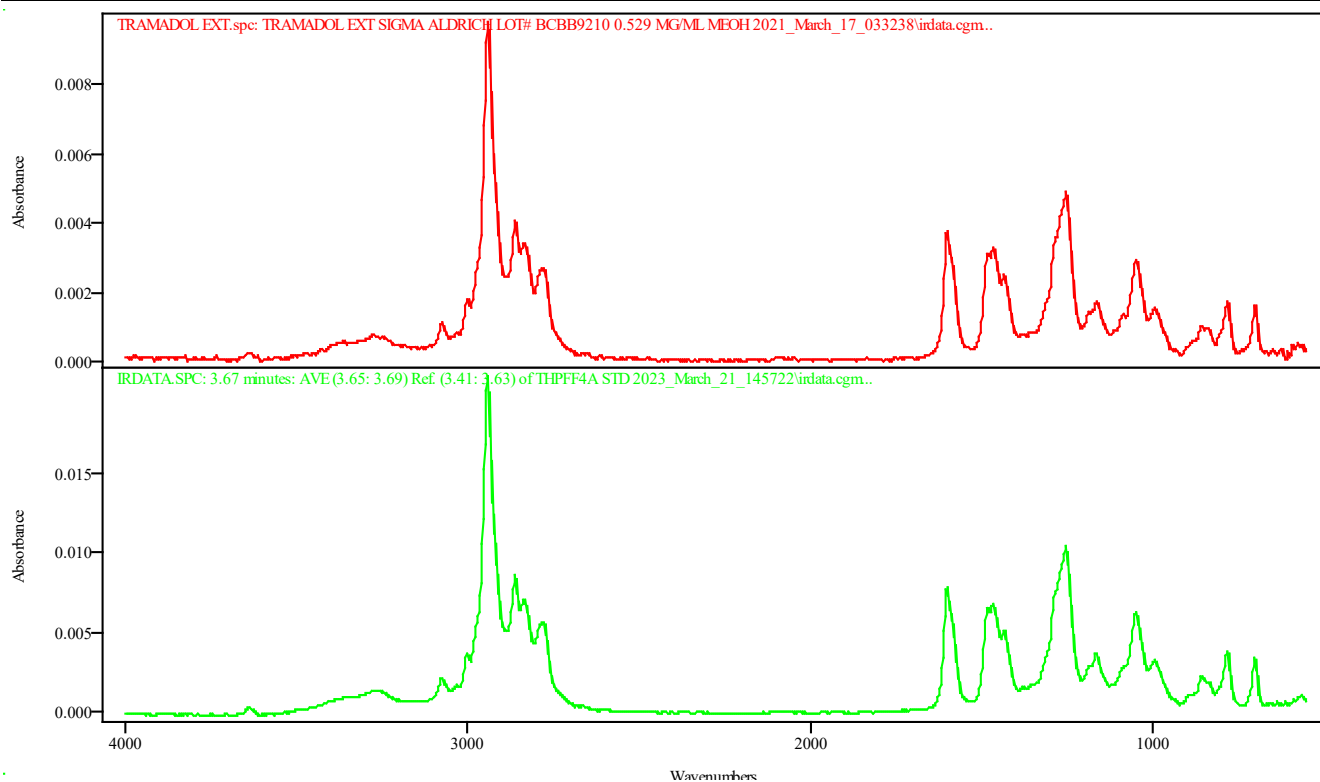
Data Filename	THPFF4A STD 2023_March_21_145722
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-21-23-STDs
IRD Method	IRD3 EXT
GC Method	SLPOLYDRUG.M
GC Vial	5
Sample Name	THPFF4A STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Mar 21 15:11:15 2023
Date Processed	Wed Mar 22 10:02:13 2023



IRDATA.SPC: 8.27 minutes: AVE (8.22: 8.30) Ref. (6.89: 7.33) of THPFF4A STD
2023_March_21_145722.cgm Fentanyl

IRD Data Analysis Report

Data Filename	THPFF4A STD 2023_March_21_145722
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-21-23-STDs
IRD Method	IRD3 EXT
GC Method	SLPOLYDRUG.M
GC Vial	5
Sample Name	THPFF4A STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Mar 21 15:11:15 2023
Date Processed	Mon Apr 03 10:49:27 2023

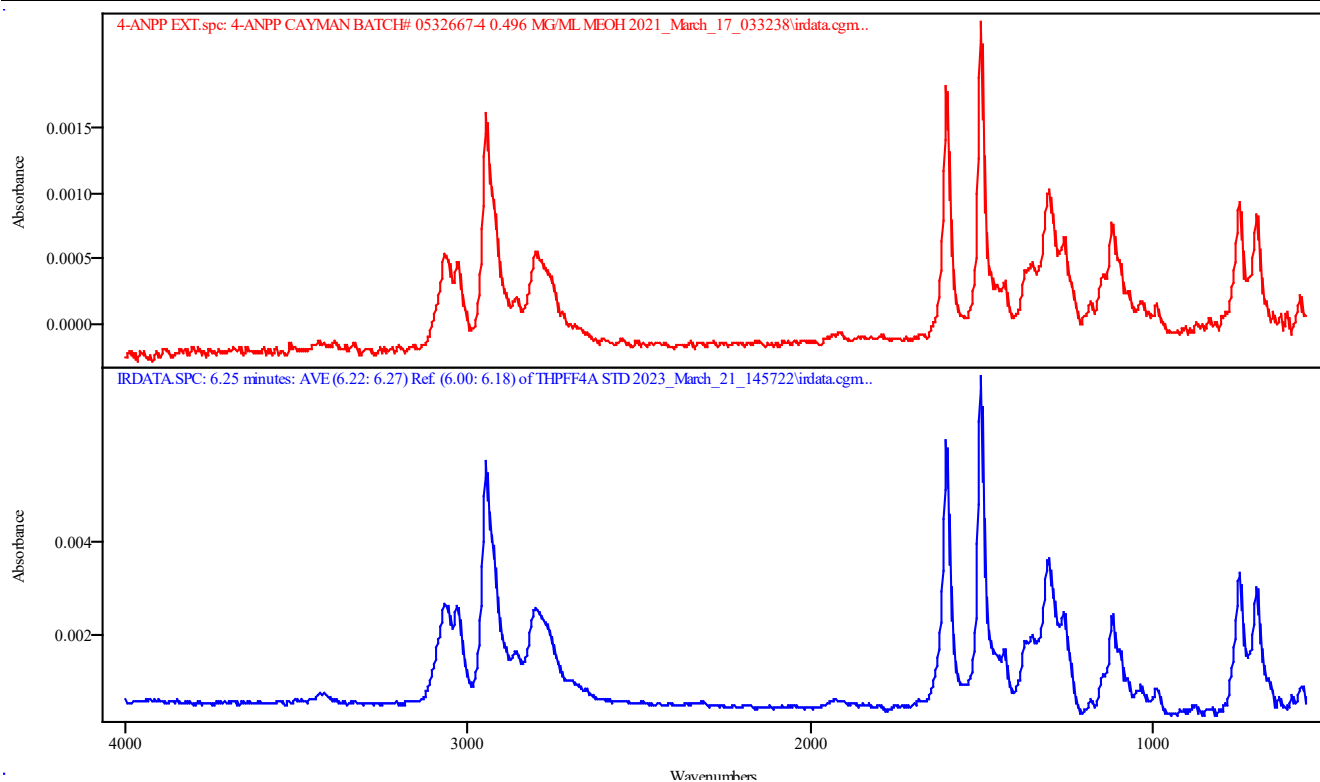


IRDATA.SPC: 3.67 minutes: AVE (3.65: 3.69) Ref. (3.41: 3.63) of THPFF4A STD
2023_March_21_145722.cgm

TRAMADOL EXT.spc: TRAMADOL EXT SIGMA ALDRICH LOT# BCBB9210 0.529 MG/ML MEOH
2021_March_17_033238\irdata.cgm

IRD Data Analysis Report

Data Filename	THPFF4A STD 2023_March_21_145722
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-21-23-STDs
IRD Method	IRD3 EXT
GC Method	SLPOLYDRUG.M
GC Vial	5
Sample Name	THPFF4A STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Mar 21 15:11:15 2023
Date Processed	Mon Apr 03 10:51:11 2023

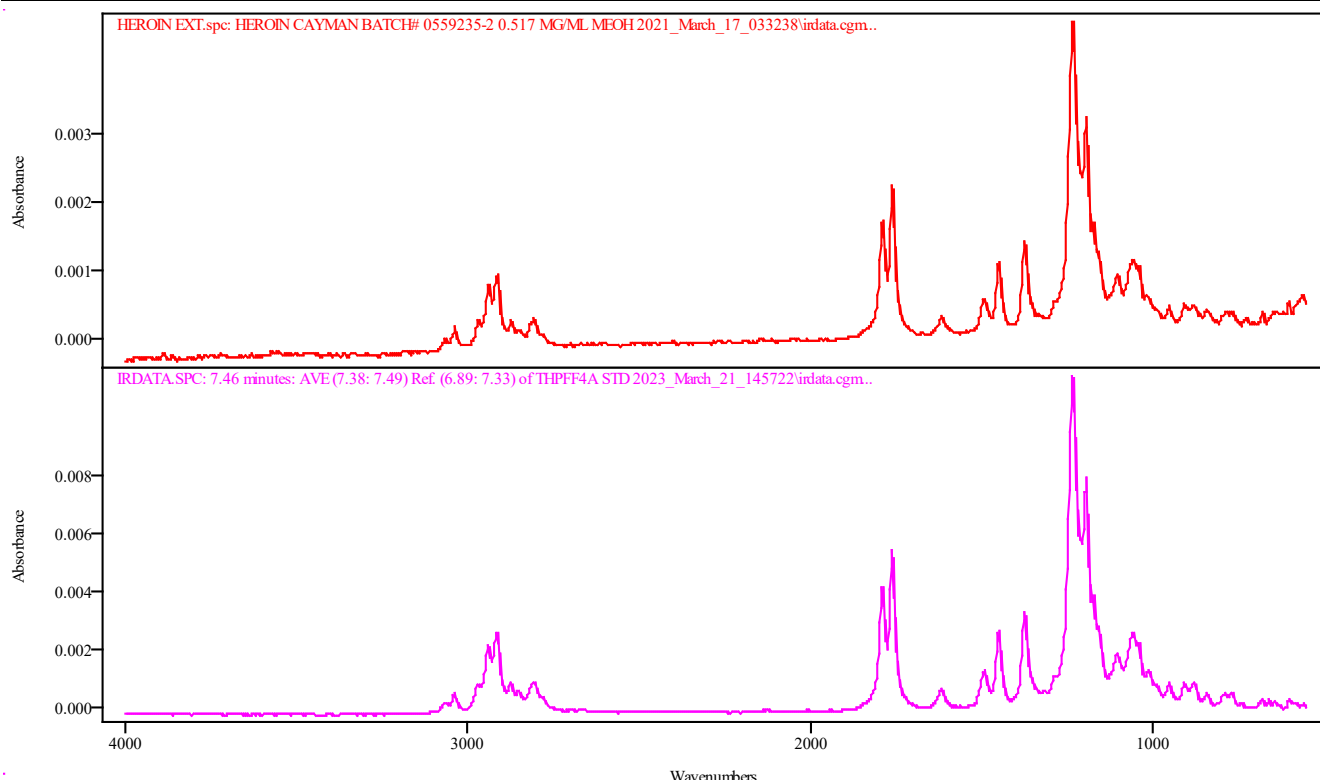


IRDATA.SPC: 6.25 minutes: AVE (6.22: 6.27) Ref. (6.00: 6.18) of THPFF4A STD
2023_March_21_145722.cgm

4-ANPP EXT.spc: 4-ANPP CAYMAN BATCH# 0532667-4 0.496 MG/ML MEOH
2021_March_17_033238\irdata.cgm

IRD Data Analysis Report

Data Filename	THPFF4A STD 2023_March_21_145722
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-21-23-STDs
IRD Method	IRD3 EXT
GC Method	SLPOLYDRUG.M
GC Vial	5
Sample Name	THPFF4A STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Mar 21 15:11:15 2023
Date Processed	Mon Apr 03 10:52:05 2023

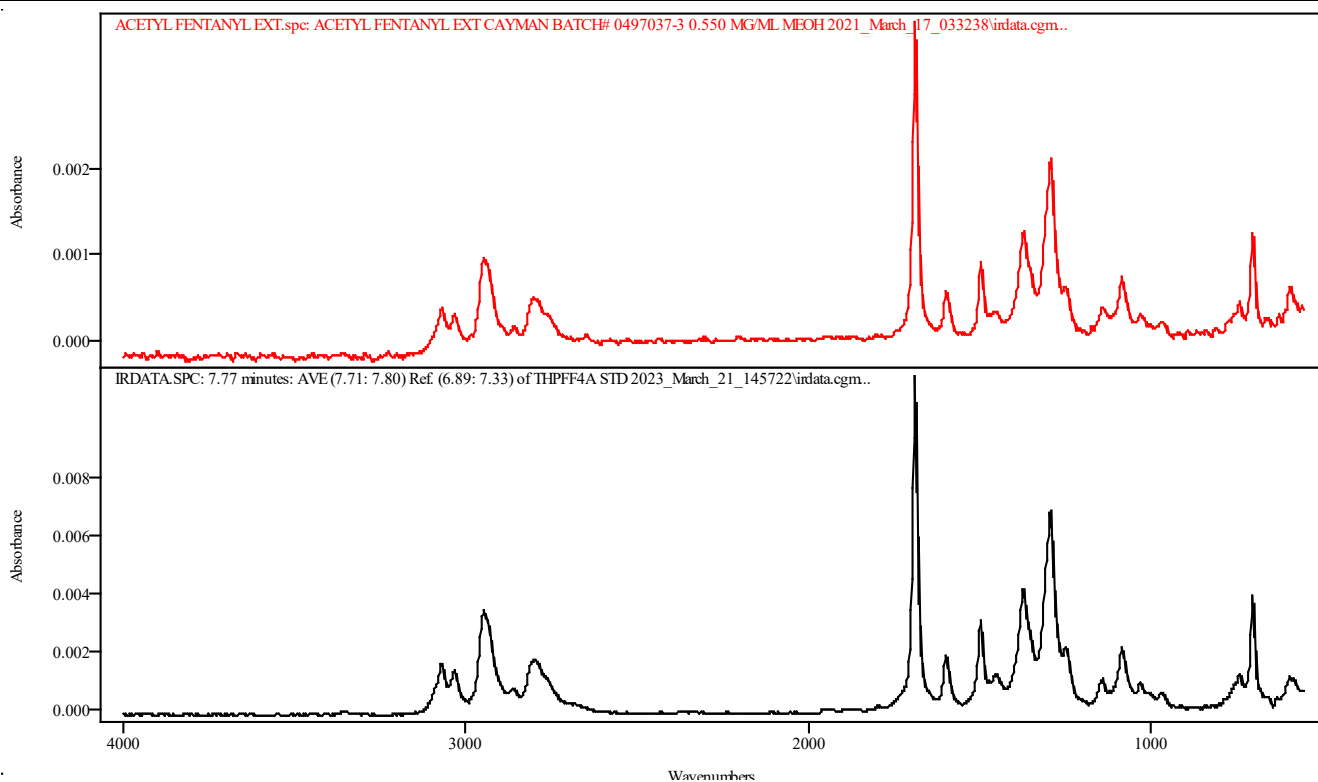


IRDATA.SPC: 7.46 minutes: AVE (7.38: 7.49) Ref. (6.89: 7.33) of THPFF4A STD
2023_March_21_145722.cgm

HEROIN EXT.spc: HEROIN CAYMAN BATCH# 0559235-2 0.517 MG/ML MEOH
2021_March_17_033238\irdata.cgm

IRD Data Analysis Report

Data Filename	THPFF4A STD 2023_March_21_145722
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-21-23-STDs
IRD Method	IRD3 EXT
GC Method	SLPOLYDRUG.M
GC Vial	5
Sample Name	THPFF4A STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Mar 21 15:11:15 2023
Date Processed	Mon Apr 03 10:52:48 2023

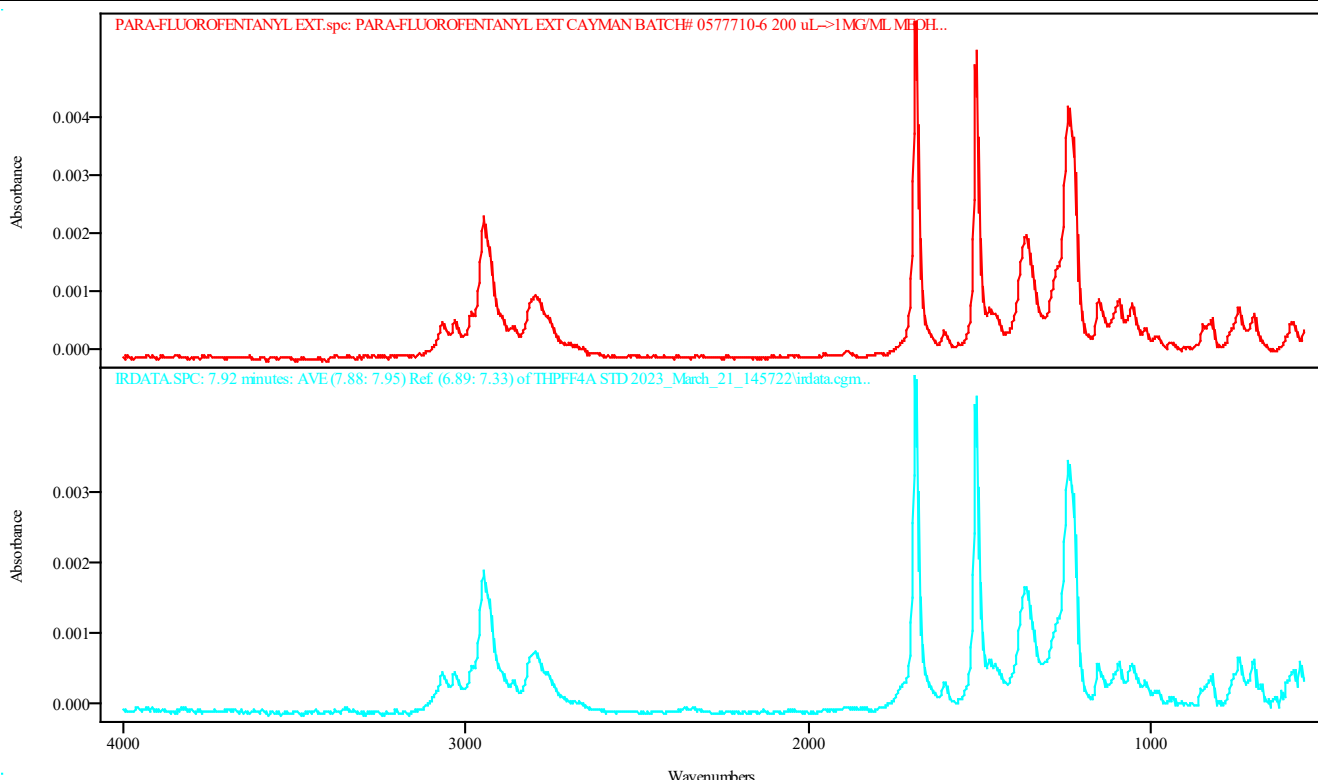


IRDATA.SPC: 7.77 minutes: AVE (7.71: 7.80) Ref. (6.89: 7.33) of THPFF4A STD
2023_March_21_145722.cgm

ACETYL FENTANYL EXT.spc: ACETYL FENTANYL EXT CAYMAN BATCH# 0497037-3 0.550
MG/ML MEOH 2021_March_17_033238\irdata.cgm

IRD Data Analysis Report

Data Filename	THPFF4A STD 2023_March_21_145722
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-21-23-STDs
IRD Method	IRD3 EXT
GC Method	SLPOLYDRUG.M
GC Vial	5
Sample Name	THPFF4A STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Mar 21 15:11:15 2023
Date Processed	Mon Apr 03 10:53:51 2023

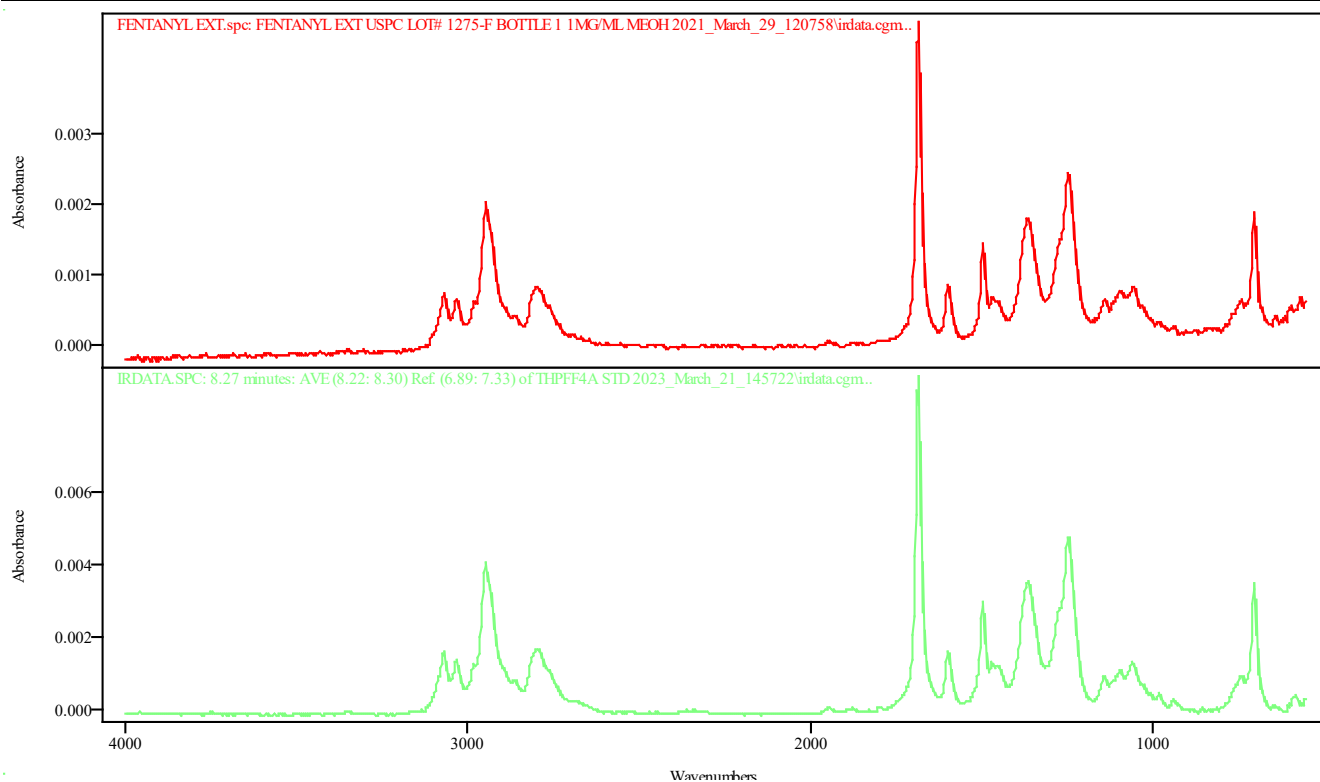


IRDATA.SPC: 7.92 minutes: AVE (7.88: 7.95) Ref. (6.89: 7.33) of THPFF4A STD
2023_March_21_145722.cgm

PARAM-FLUOROFENTANYL EXT.sp: PARA-FLUOROFENTANYL EXT CAYMAN BATCH#
0577710-6 200 uL-->1MG/ML MEOH 2021_April_19_233049\irdata.cgm

IRD Data Analysis Report

Data Filename	THPFF4A STD 2023_March_21_145722
Data Path	C:/ASAP DATA/YODA 2023/Validation/3-21-23-STDs
IRD Method	IRD3 EXT
GC Method	SLPOLYDRUG.M
GC Vial	5
Sample Name	THPFF4A STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Mar 21 15:11:15 2023
Date Processed	Mon Apr 03 10:54:28 2023

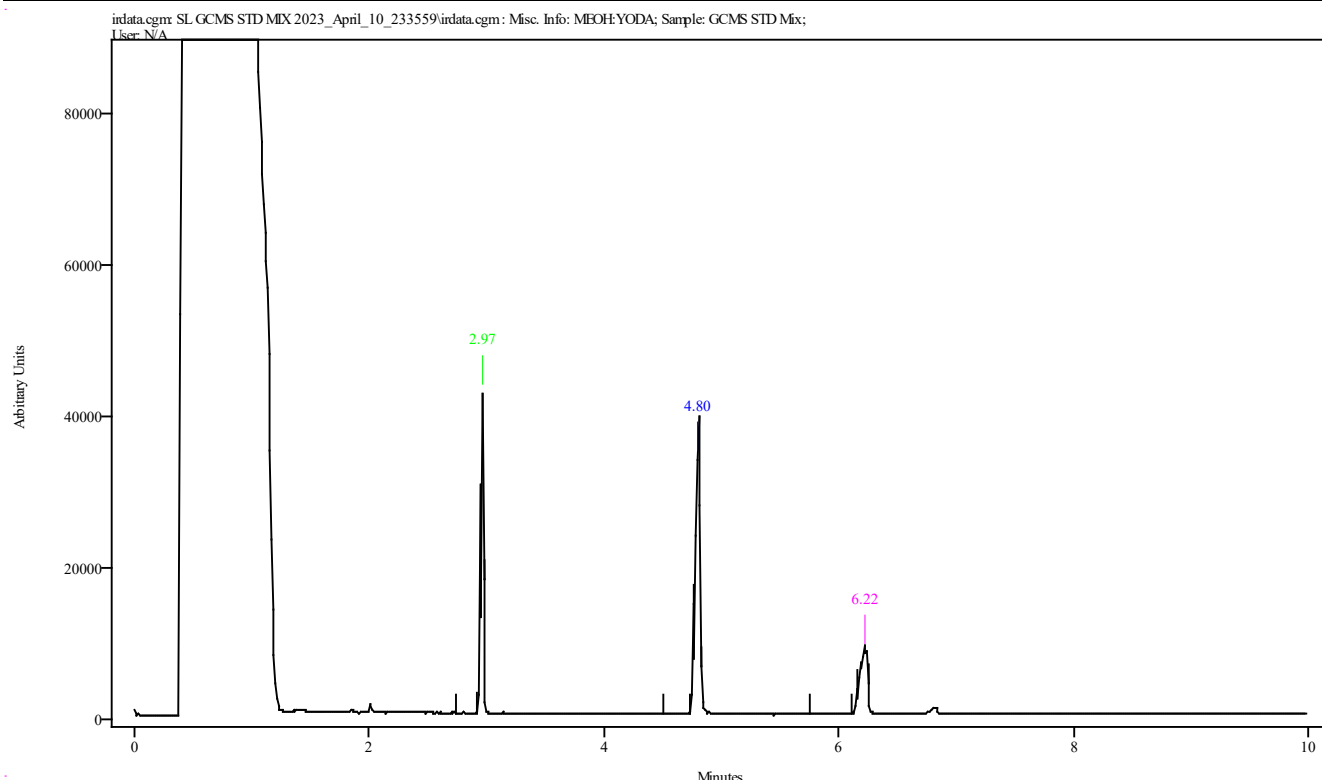


IRDATA.SPC: 8.27 minutes: AVE (8.22: 8.30) Ref. (6.89: 7.33) of THPFF4A STD
2023_March_21_145722.cgm

FENTANYL EXT.spc: FENTANYL EXT USPC LOT# 1275-F BOTTLE 1 1MG/ML MEOH
2021_March_29_120758\irdata.cgm

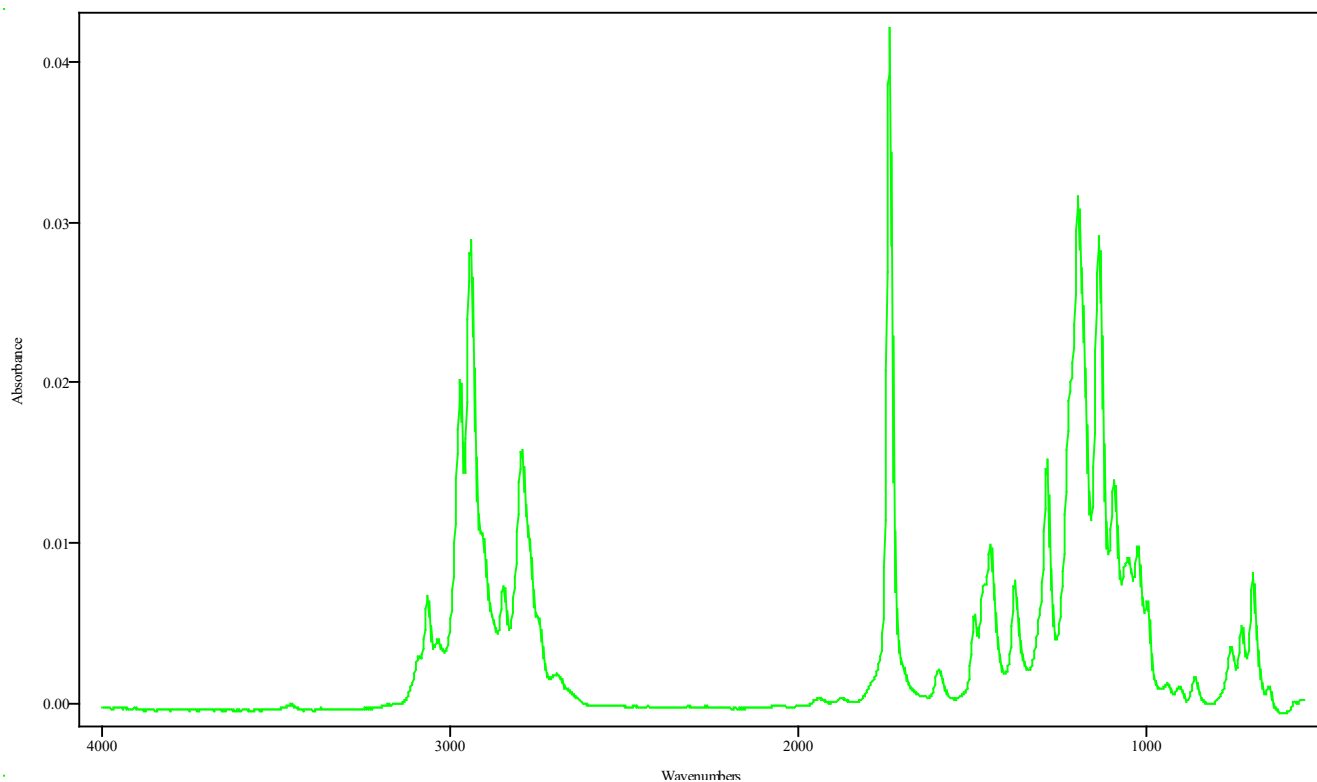
IRD Data Analysis Report

Data Filename	SL GCMS STD MIX 2023_April_10_233559
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	SLPOLYDRUG.M
GC Vial	8
Sample Name	GCMS STD Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 23:49:54 2023
Date Processed	Tue Apr 11 09:39:12 2023



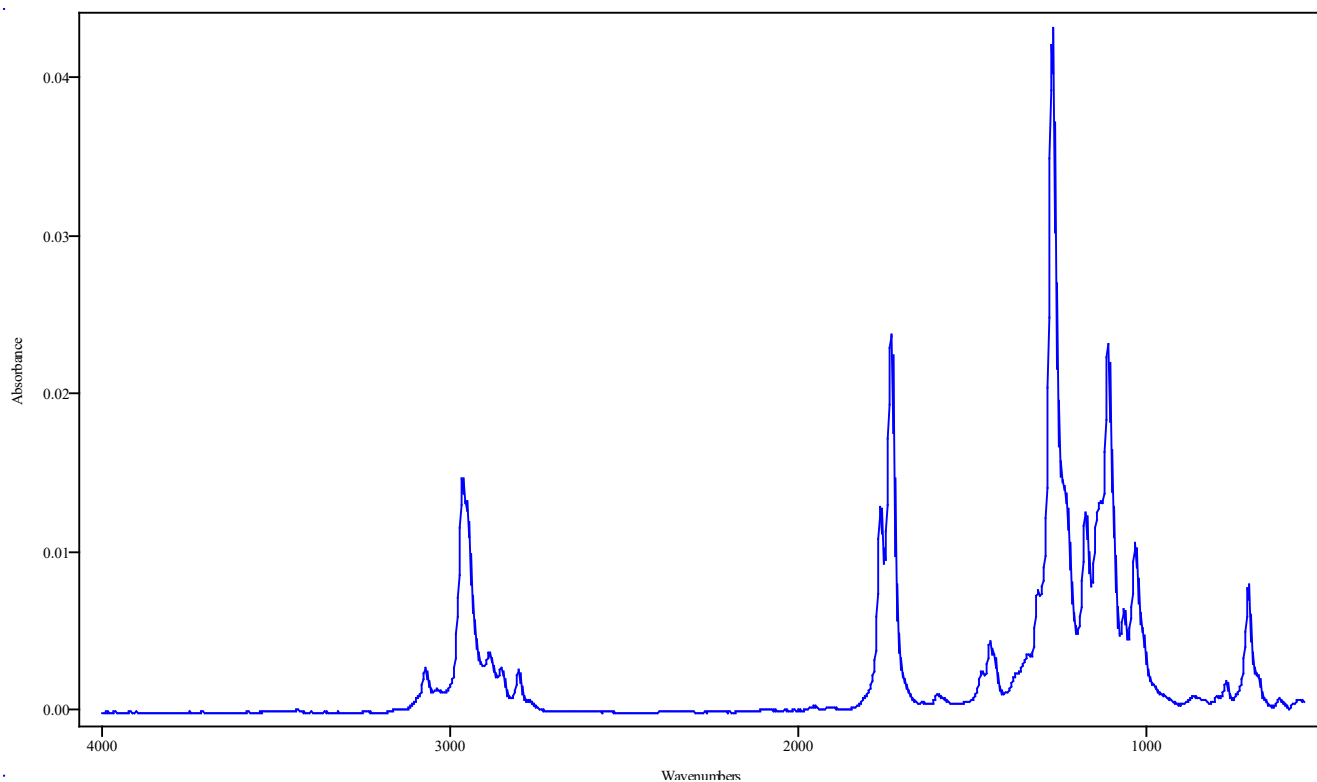
Peak Start	Peak End	Peak Width	Reference Start	Reference End
2.946	2.979	0.033	2.738	2.913
4.774	4.829	0.055	4.512	4.731
6.165	6.253	0.088	5.760	6.110

Data Filename	SL GCMS STD MIX 2023_April_10_233559
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	SLPOLYDRUG.M
GC Vial	8
Sample Name	GCMS STD Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 23:49:54 2023
Date Processed	Tue Apr 11 09:39:12 2023



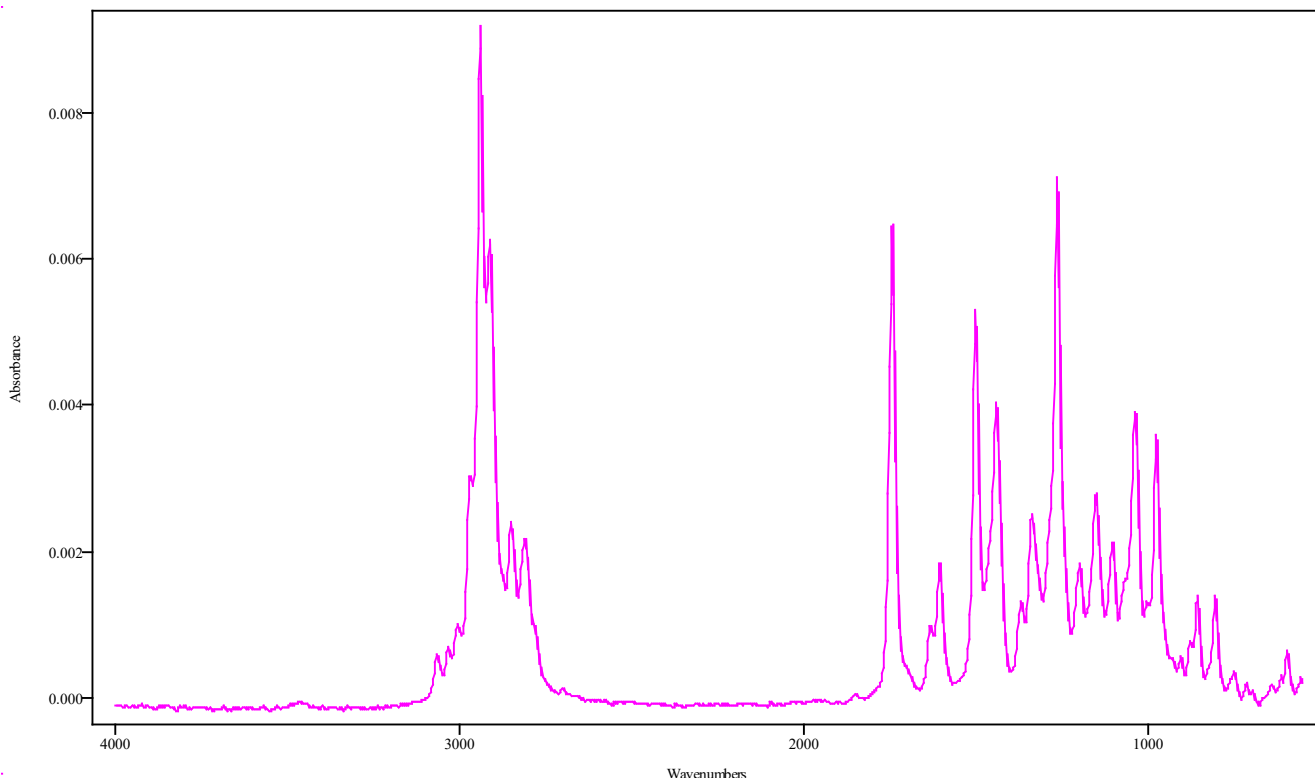
IRDATA.SPC: 2.97 minutes: AVE (2.95: 2.98) Ref. (2.74: 2.91) of SL GCMS STD MIX 2023_April_10_233559.cgm Pethidine

Data Filename	SL GCMS STD MIX 2023_April_10_233559
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	SLPOLYDRUG.M
GC Vial	8
Sample Name	GCMS STD Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 23:49:54 2023
Date Processed	Tue Apr 11 09:39:12 2023



IRDATA.SPC: 4.80 minutes: AVE (4.77: 4.83) Ref. (4.51: 4.73) of SL GCMS STD MIX
2023_April_10_233559.cgm Cocaine

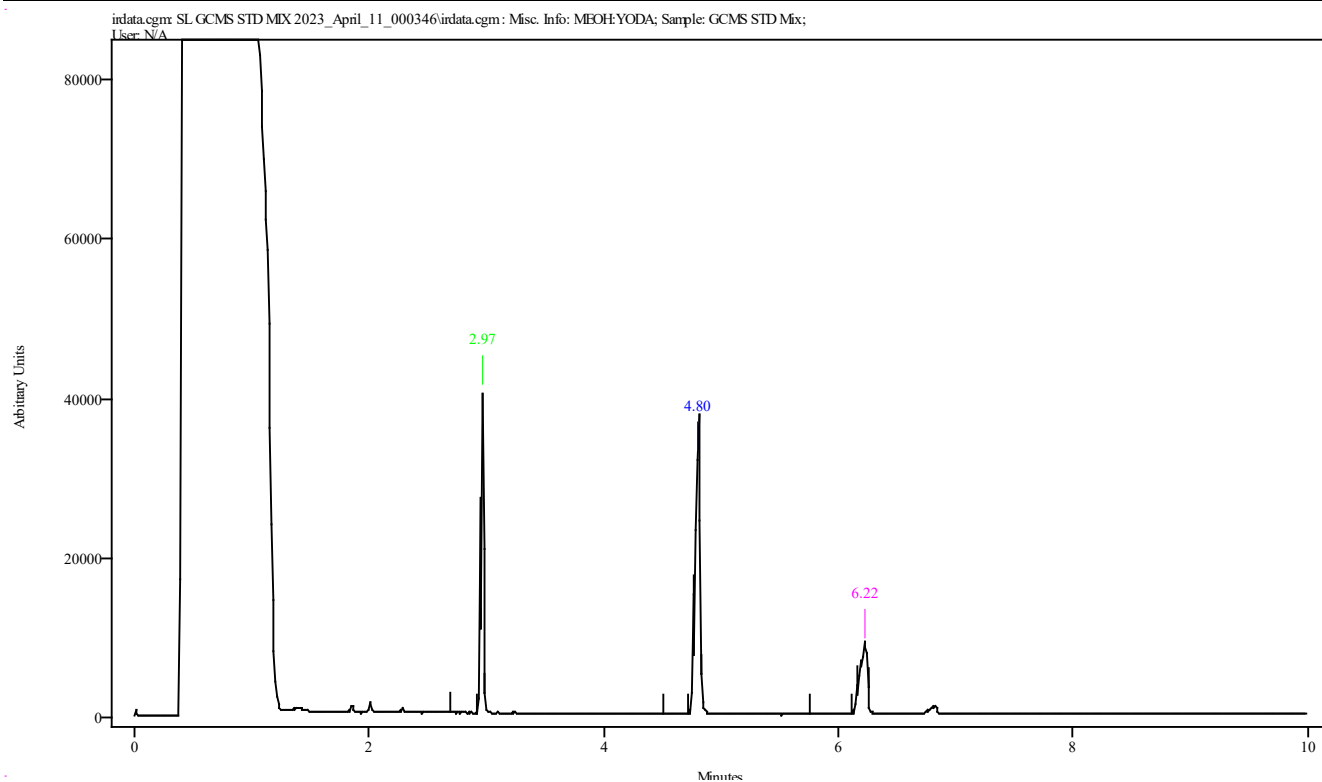
Data Filename	SL GCMS STD MIX 2023_April_10_233559
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	SLPOLYDRUG.M
GC Vial	8
Sample Name	GCMS STD Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Mon Apr 10 23:49:54 2023
Date Processed	Tue Apr 11 09:39:12 2023



IRDATA.SPC: 6.22 minutes: AVE (6.17: 6.25) Ref. (5.76: 6.11) of SL GCMS STD MIX 2023_April_10_233559.cgm Hydrocodone

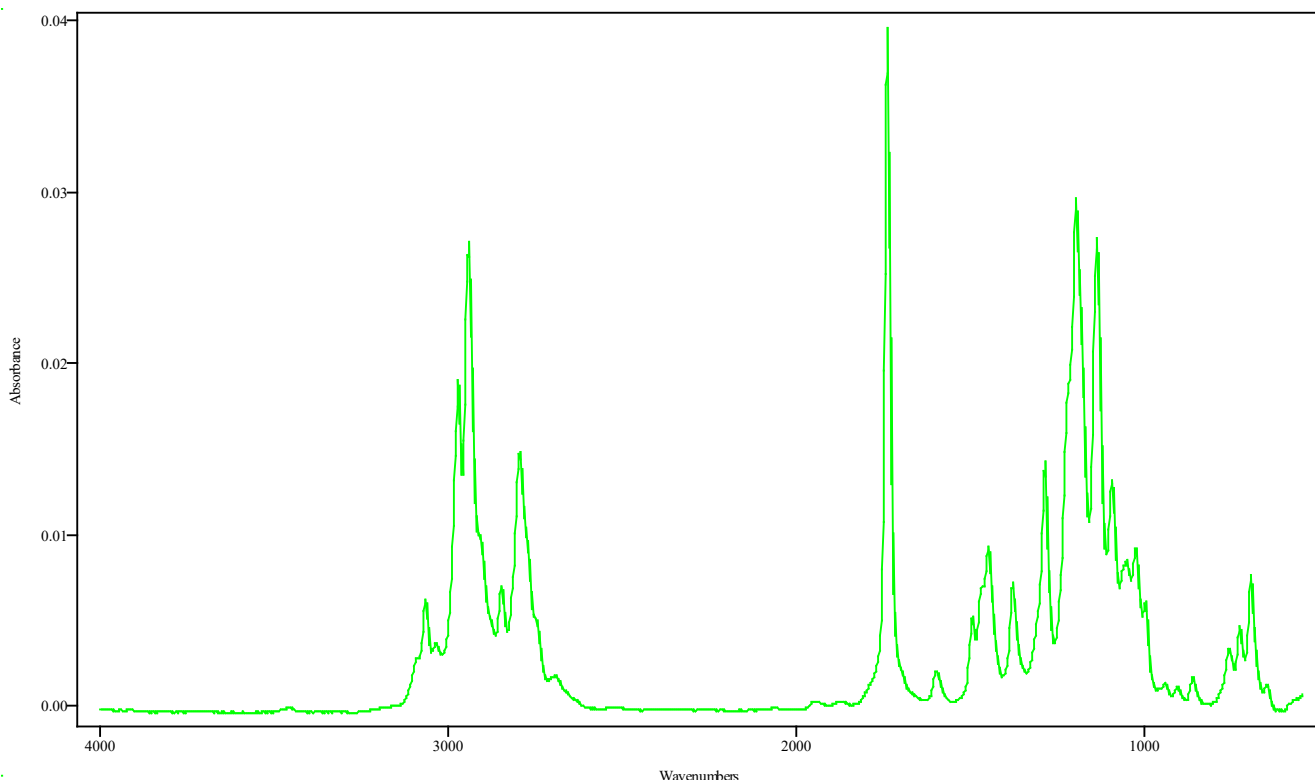
IRD Data Analysis Report

Data Filename	SL GCMS STD MIX 2023_April_11_000346
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	SLPOLYDRUG.M
GC Vial	8
Sample Name	GCMS STD Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Apr 11 00:17:45 2023
Date Processed	Tue Apr 11 09:41:02 2023



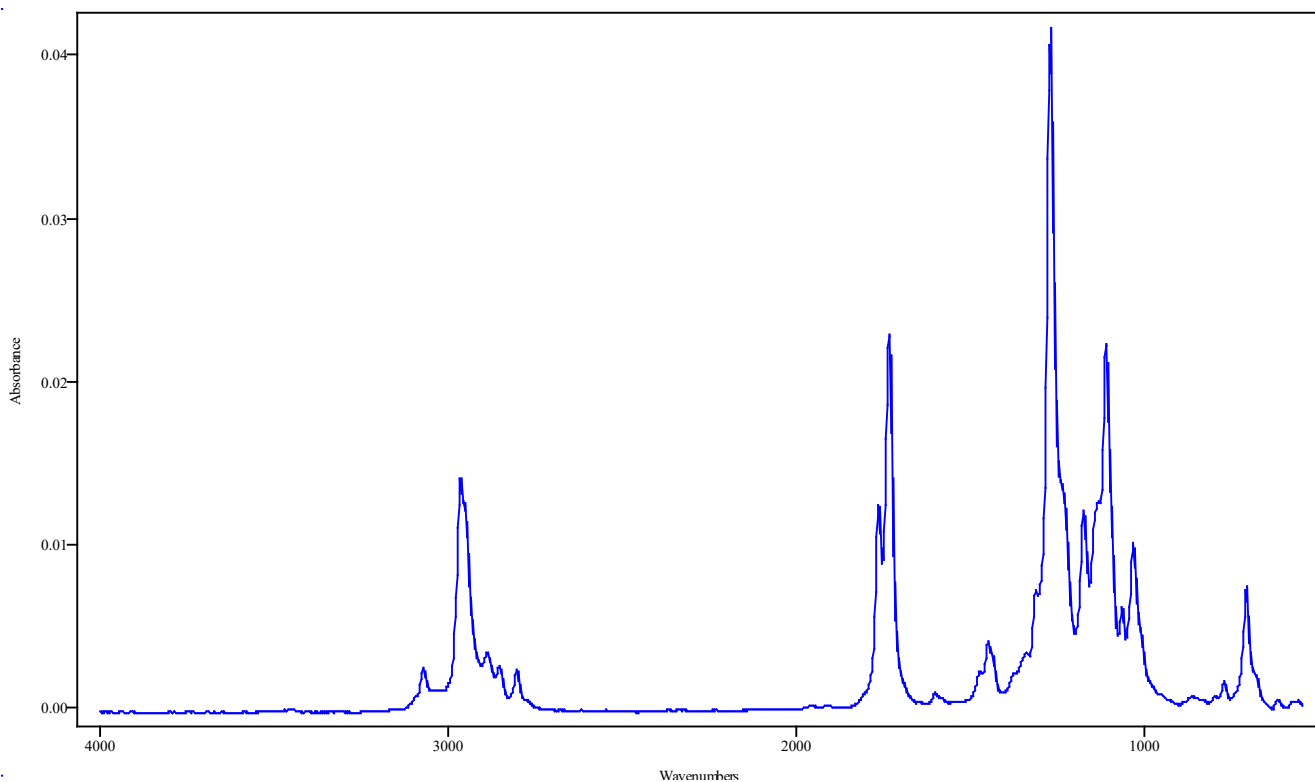
Peak Start	Peak End	Peak Width	Reference Start	Reference End
2.946	2.990	0.044	2.694	2.913
4.775	4.830	0.055	4.502	4.721
6.166	6.254	0.088	5.761	6.112

Data Filename	SL GCMS STD MIX 2023_April_11_000346
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	SLPOLYDRUG.M
GC Vial	8
Sample Name	GCMS STD Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Apr 11 00:17:45 2023
Date Processed	Tue Apr 11 09:41:02 2023



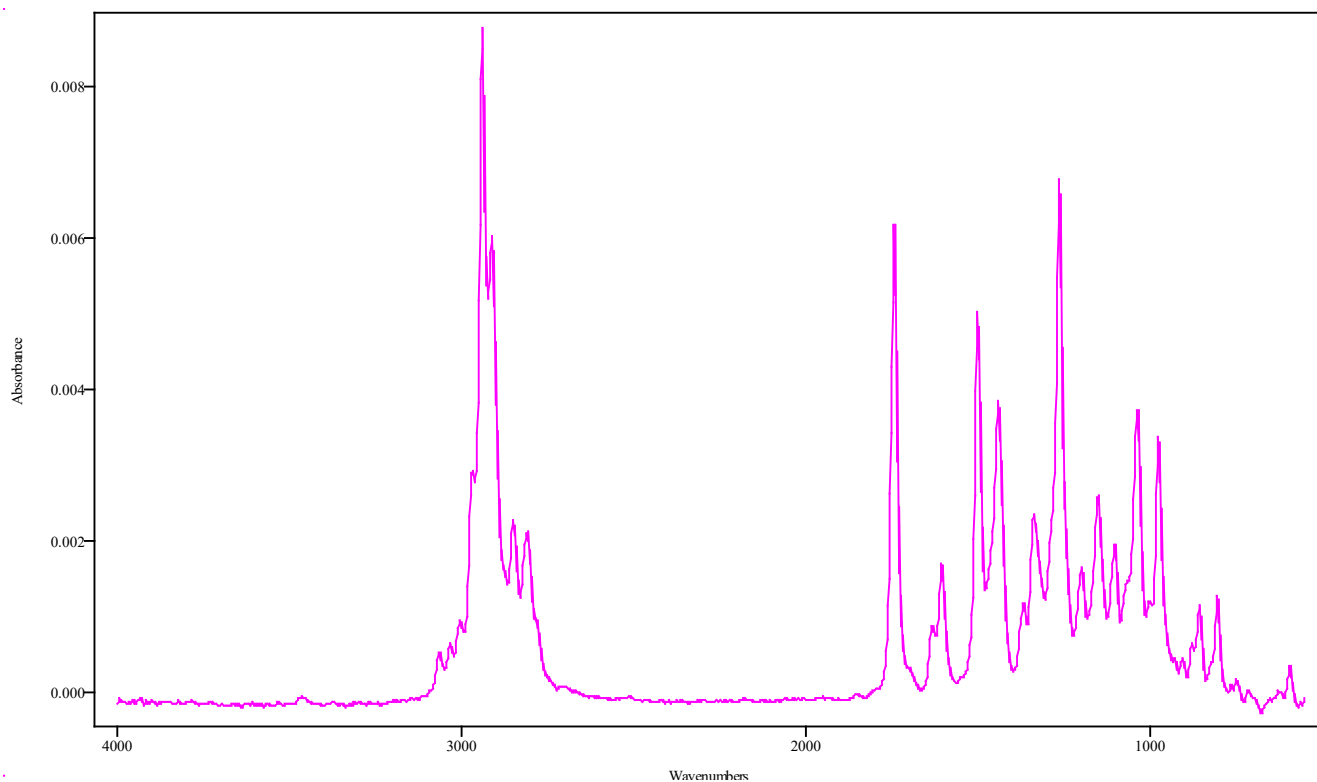
IRDATA.SPC: 2.97 minutes: AVE (2.95: 2.99) Ref. (2.69: 2.91) of SL GCMS STD MIX 2023_April_11_000346.cgm Pethidine

Data Filename	SL GCMS STD MIX 2023_April_11_000346
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	SLPOLYDRUG.M
GC Vial	8
Sample Name	GCMS STD Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Apr 11 00:17:45 2023
Date Processed	Tue Apr 11 09:41:02 2023



IRDATA.SPC: 4.80 minutes: AVE (4.78: 4.83) Ref. (4.50: 4.72) of SL GCMS STD MIX
2023_April_11_000346.cgm Cocaine

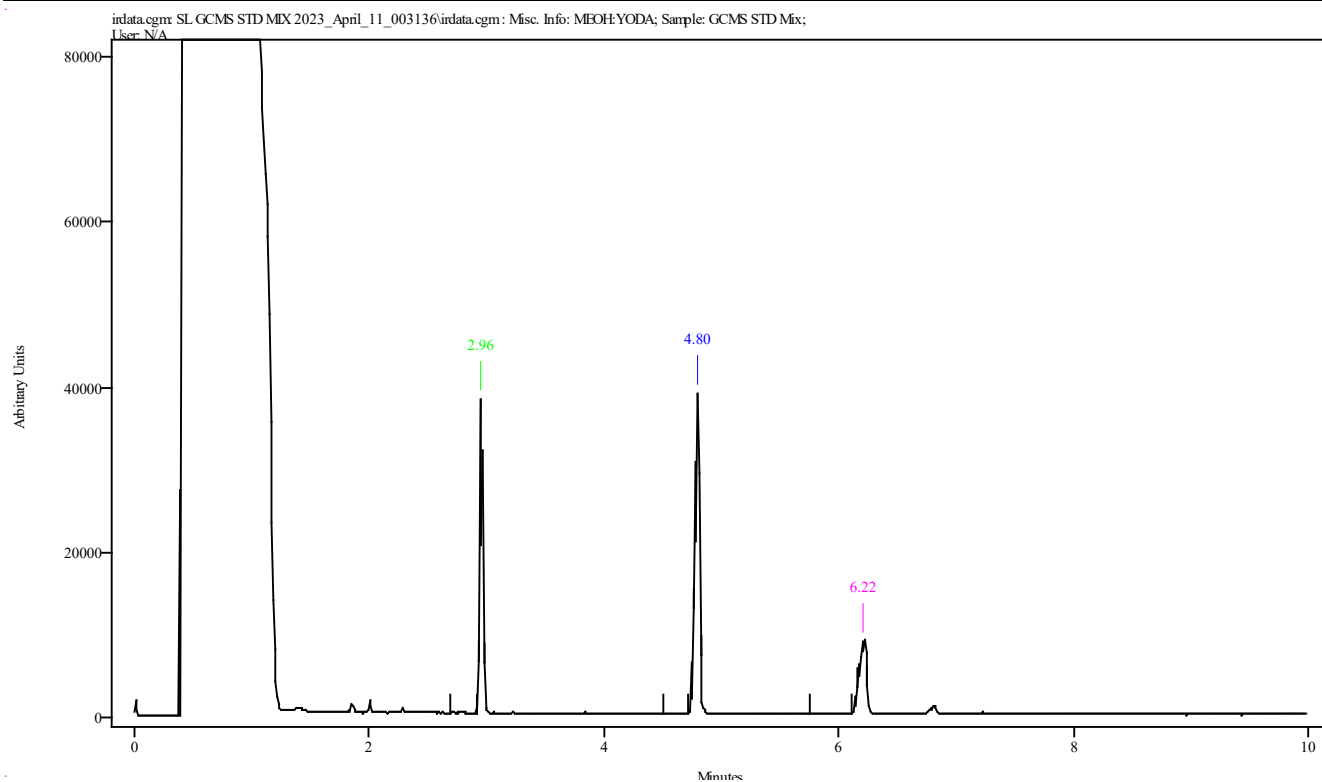
Data Filename	SL GCMS STD MIX 2023_April_11_000346
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	SLPOLYDRUG.M
GC Vial	8
Sample Name	GCMS STD Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Apr 11 00:17:45 2023
Date Processed	Tue Apr 11 09:41:02 2023



IRDATA.SPC: 6.22 minutes: AVE (6.17: 6.25) Ref. (5.76: 6.11) of SL GCMS STD MIX 2023_April_11_000346.cgm Hydrocodone

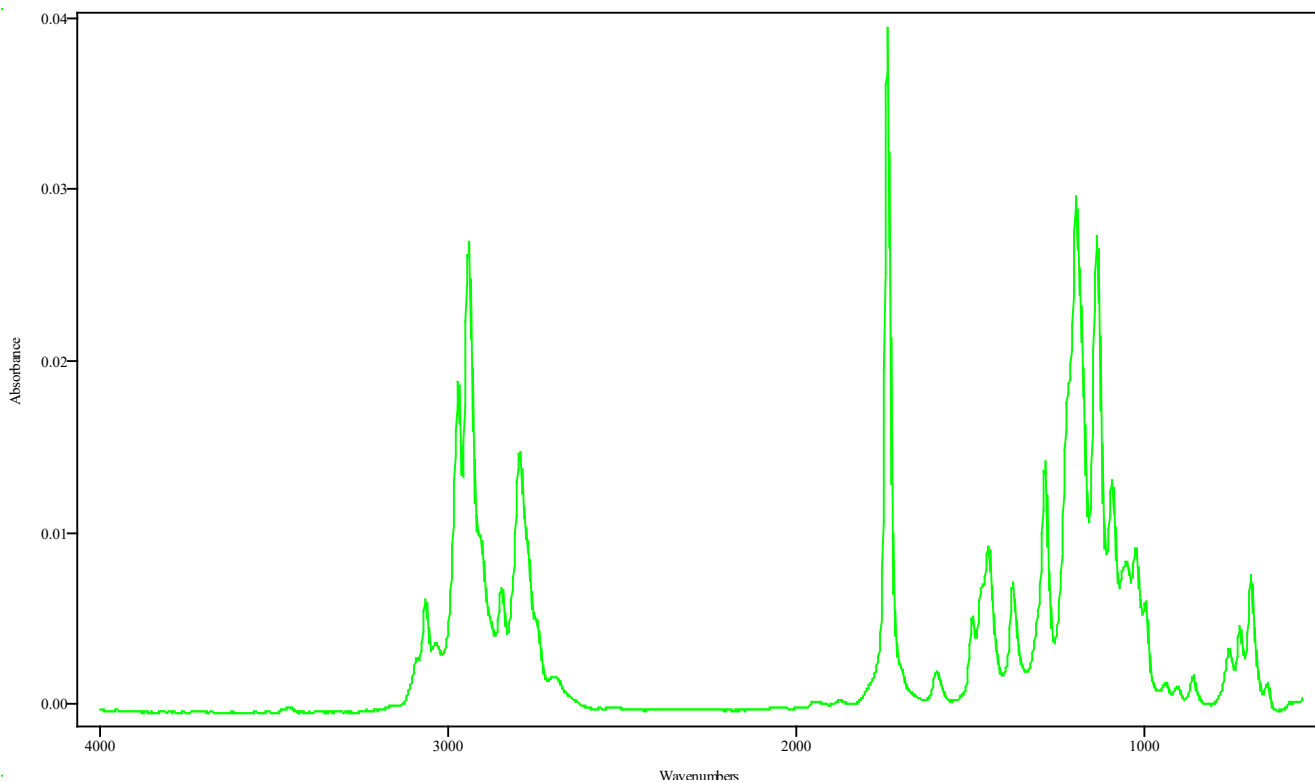
IRD Data Analysis Report

Data Filename	SL GCMS STD MIX 2023_April_11_003136
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	SLPOLYDRUG.M
GC Vial	8
Sample Name	GCMS STD Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Apr 11 00:45:25 2023
Date Processed	Tue Apr 11 09:42:52 2023



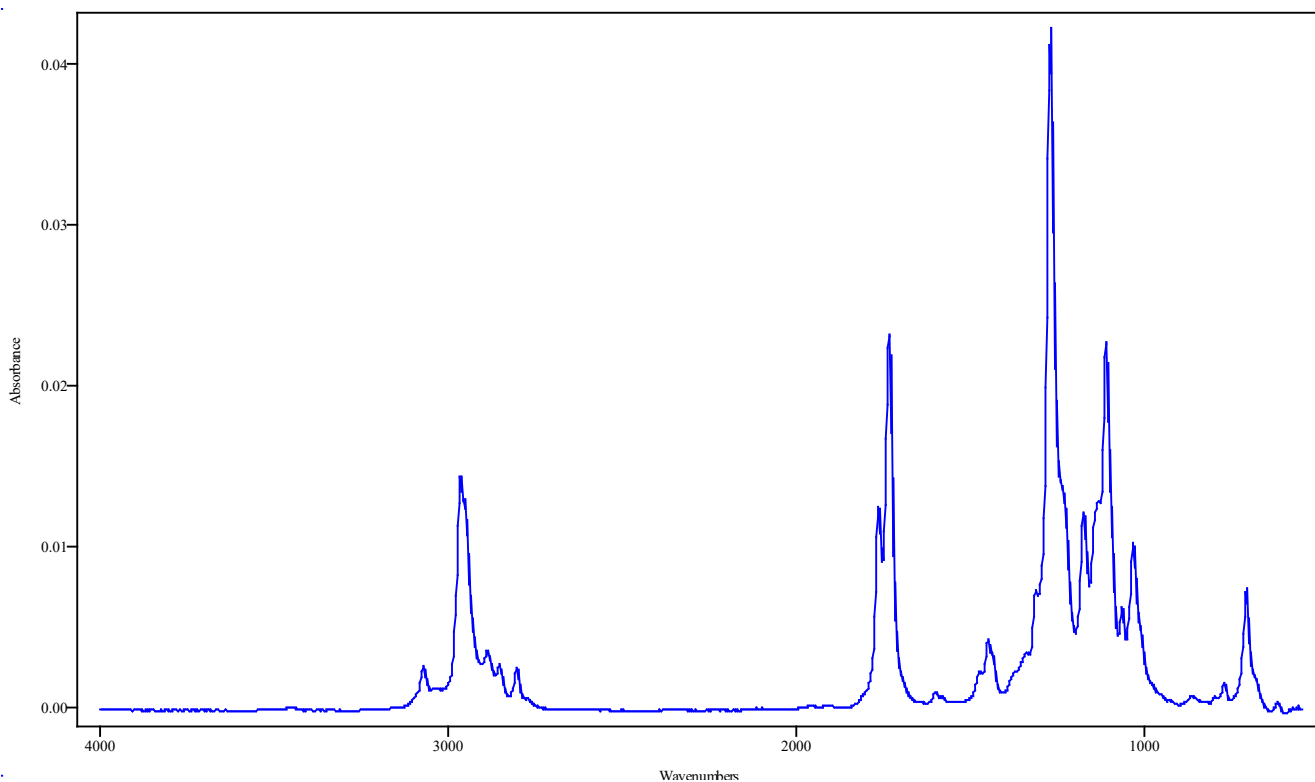
Peak Start	Peak End	Peak Width	Reference Start	Reference End
2.938	2.982	0.044	2.697	2.916
4.769	4.824	0.055	4.506	4.725
6.161	6.249	0.088	5.756	6.107

Data Filename	SL GCMS STD MIX 2023_April_11_003136
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	SLPOLYDRUG.M
GC Vial	8
Sample Name	GCMS STD Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Apr 11 00:45:25 2023
Date Processed	Tue Apr 11 09:42:52 2023



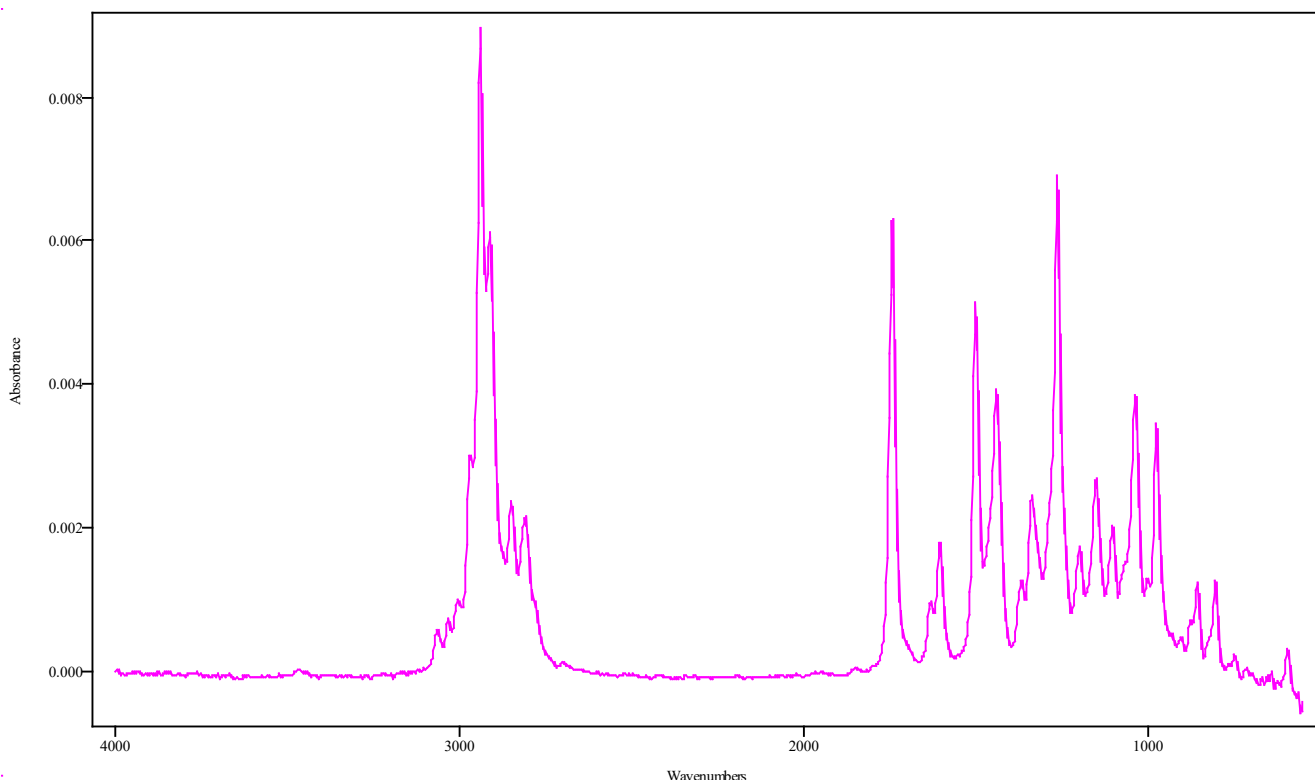
IRDATA.SPC: 2.96 minutes: AVE (2.94: 2.98) Ref. (2.70: 2.92) of SL GCMS STD MIX 2023_April_11_003136.cgm Pethidine

Data Filename	SL GCMS STD MIX 2023_April_11_003136
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	SLPOLYDRUG.M
GC Vial	8
Sample Name	GCMS STD Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Apr 11 00:45:25 2023
Date Processed	Tue Apr 11 09:42:52 2023



IRDATA.SPC: 4.80 minutes: AVE (4.77: 4.82) Ref. (4.51: 4.73) of SL GCMS STD MIX
2023_April_11_003136.cgm Cocaine

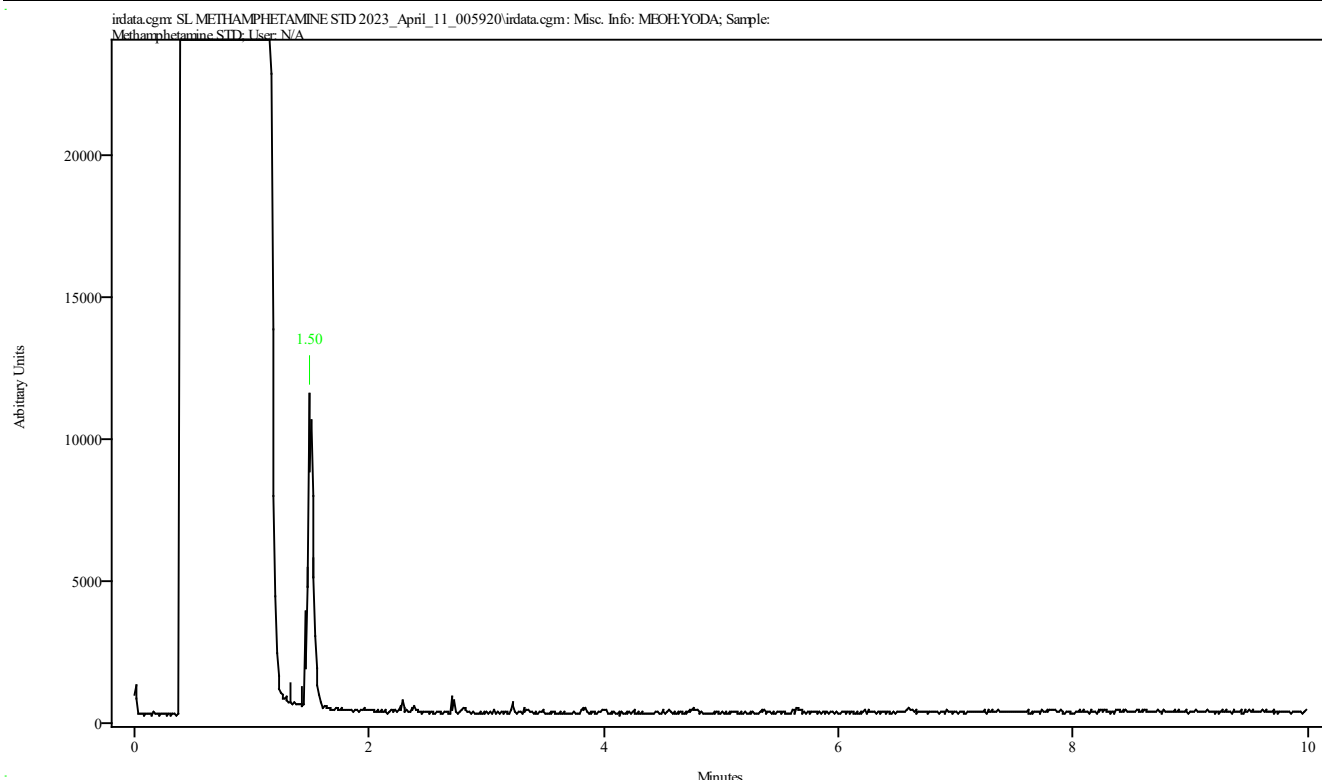
Data Filename	SL GCMS STD MIX 2023_April_11_003136
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	SLPOLYDRUG.M
GC Vial	8
Sample Name	GCMS STD Mix
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Apr 11 00:45:25 2023
Date Processed	Tue Apr 11 09:42:52 2023



IRDATA.SPC: 6.22 minutes: AVE (6.16: 6.25) Ref. (5.76: 6.11) of SL GCMS STD MIX 2023_April_11_003136.cgm Hydrocodone

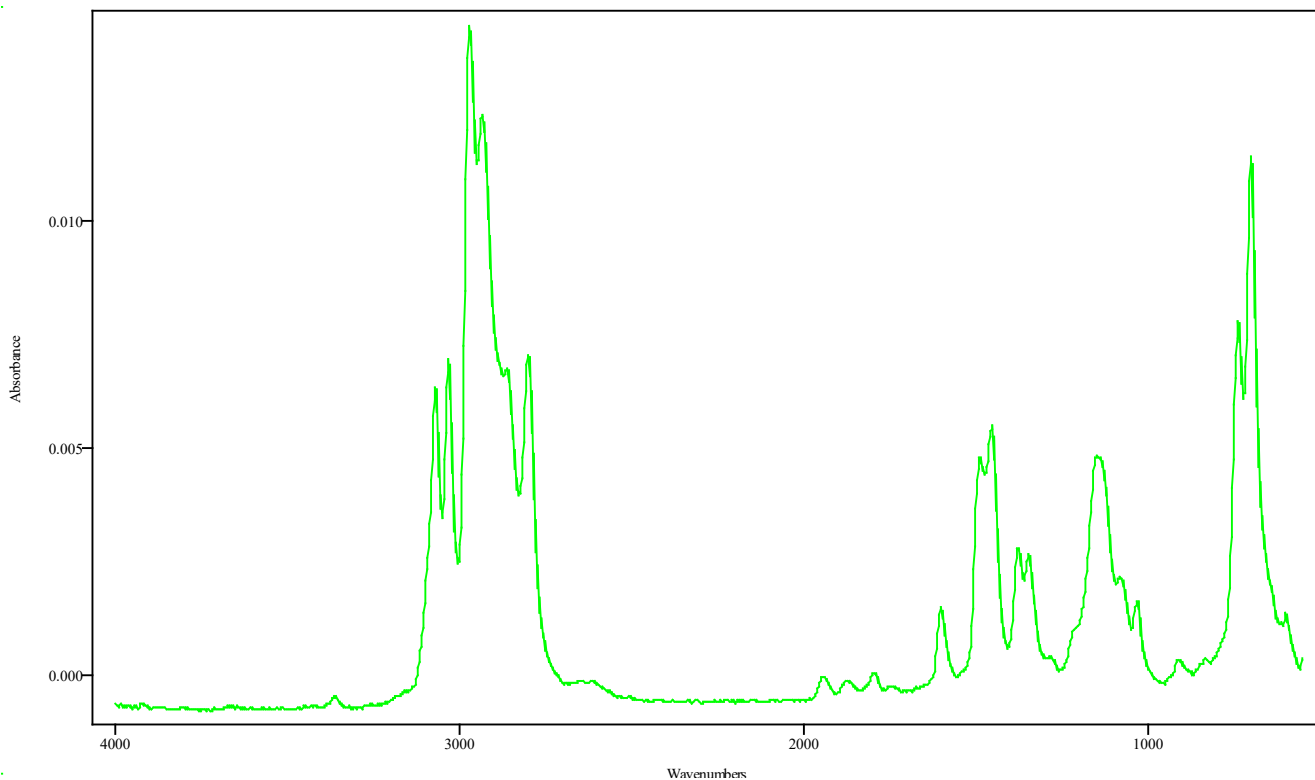
IRD Data Analysis Report

Data Filename	SL METHAMPHETAMINE STD 2023_April_11_005920
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	SLPOLYDRUG.M
GC Vial	11
Sample Name	Methamphetamine STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Apr 11 01:13:10 2023
Date Processed	Tue Apr 11 09:45:09 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
1.479	1.534	0.055	1.337	1.424

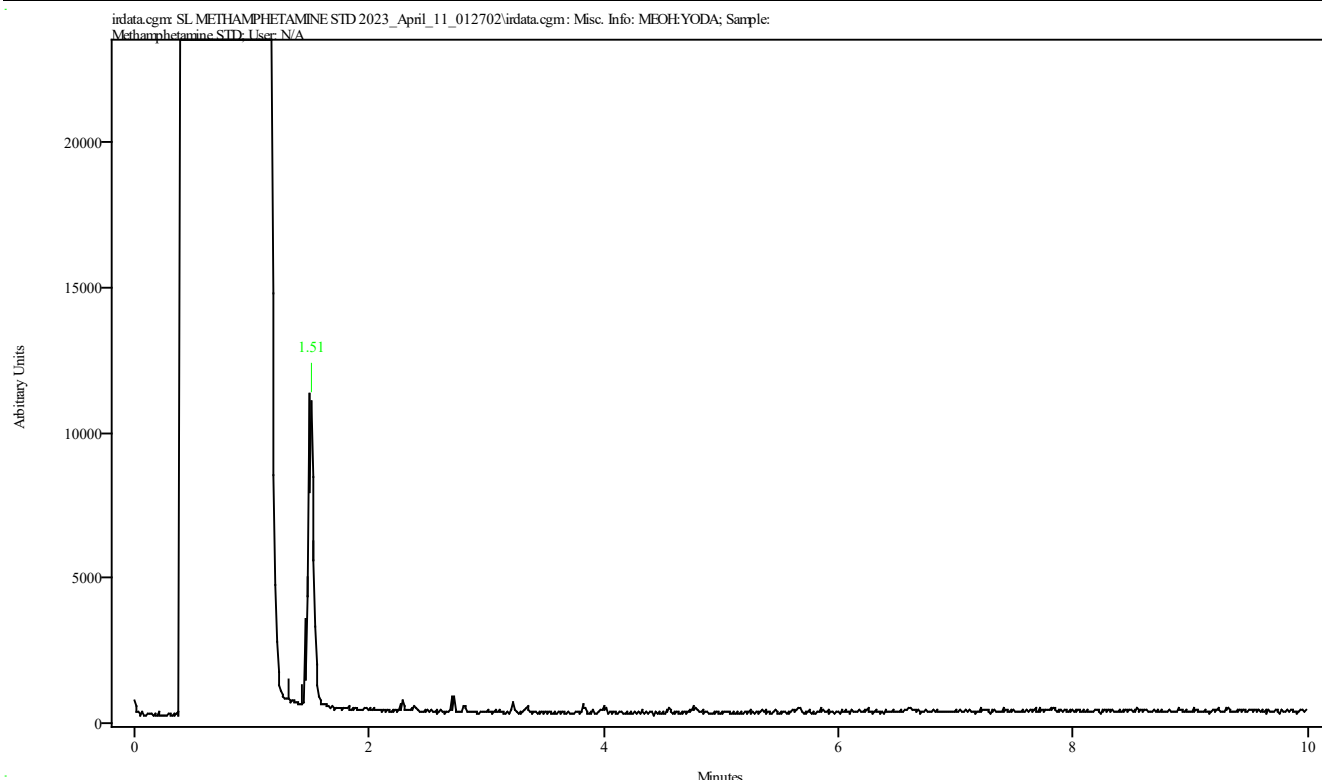
Data Filename	SL METHAMPHETAMINE STD 2023_April_11_005920
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	SLPOLYDRUG.M
GC Vial	11
Sample Name	Methamphetamine STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Apr 11 01:13:10 2023
Date Processed	Tue Apr 11 09:45:09 2023



IRDATA.SPC: 1.50 minutes: AVE (1.48: 1.53) Ref. (1.34: 1.42) of SL METHAMPHETAMINE STD 2023_April_11_005920.cgm

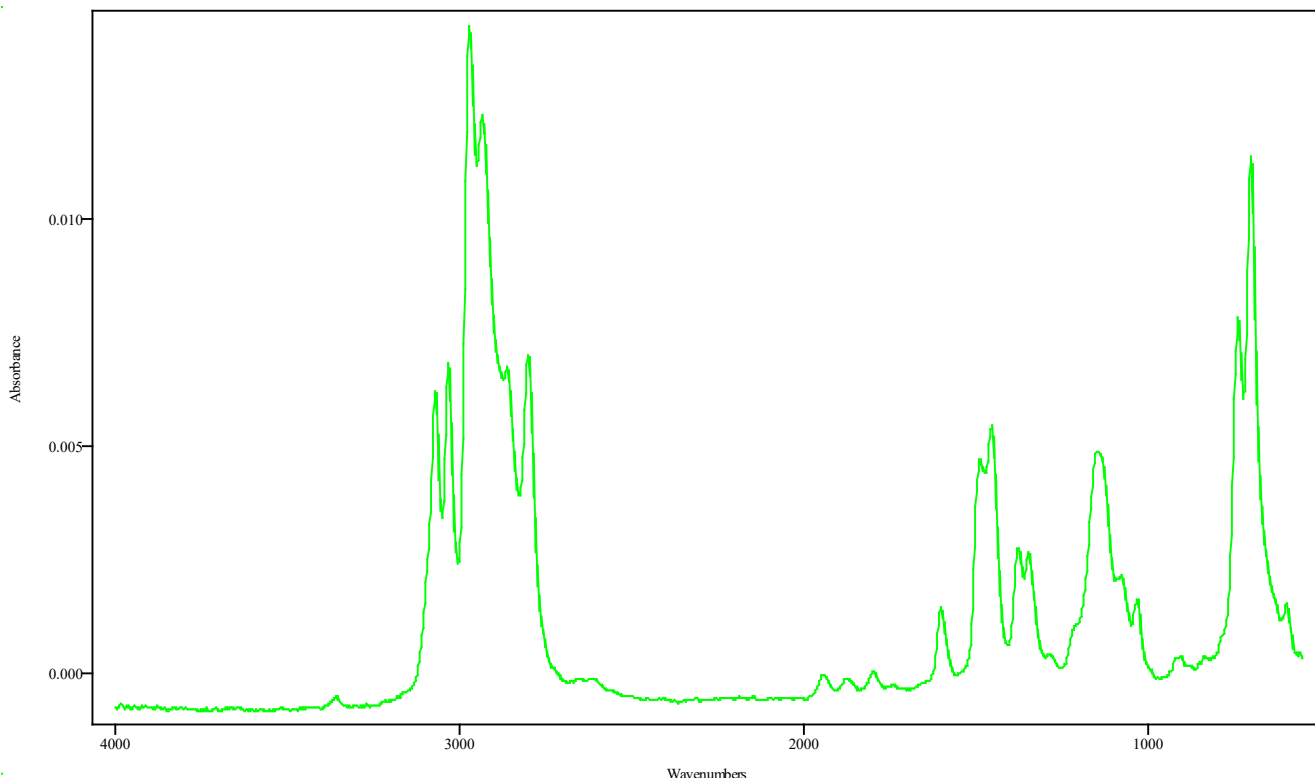
IRD Data Analysis Report

Data Filename	SL METHAMPHETAMINE STD 2023_April_11_012702
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	SLPOLYDRUG.M
GC Vial	11
Sample Name	Methamphetamine STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Apr 11 01:40:53 2023
Date Processed	Tue Apr 11 09:47:13 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
1.479	1.534	0.055	1.310	1.435

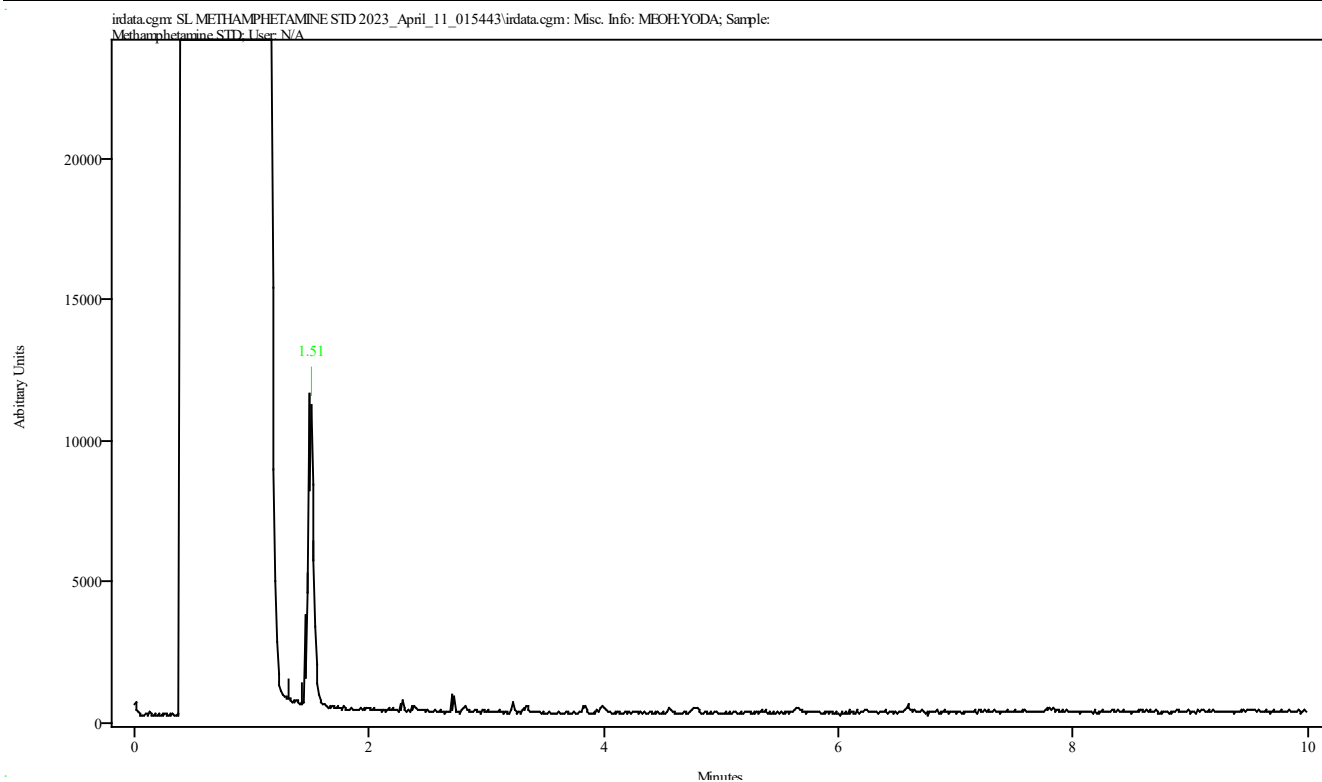
Data Filename	SL METHAMPHETAMINE STD 2023_April_11_012702
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	SLPOLYDRUG.M
GC Vial	11
Sample Name	Methamphetamine STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Apr 11 01:40:53 2023
Date Processed	Tue Apr 11 09:47:13 2023



IRDATA.SPC: 1.51 minutes: AVE (1.48: 1.53) Ref. (1.31: 1.44) of SL METHAMPHETAMINE STD 2023_April_11_012702.cgm

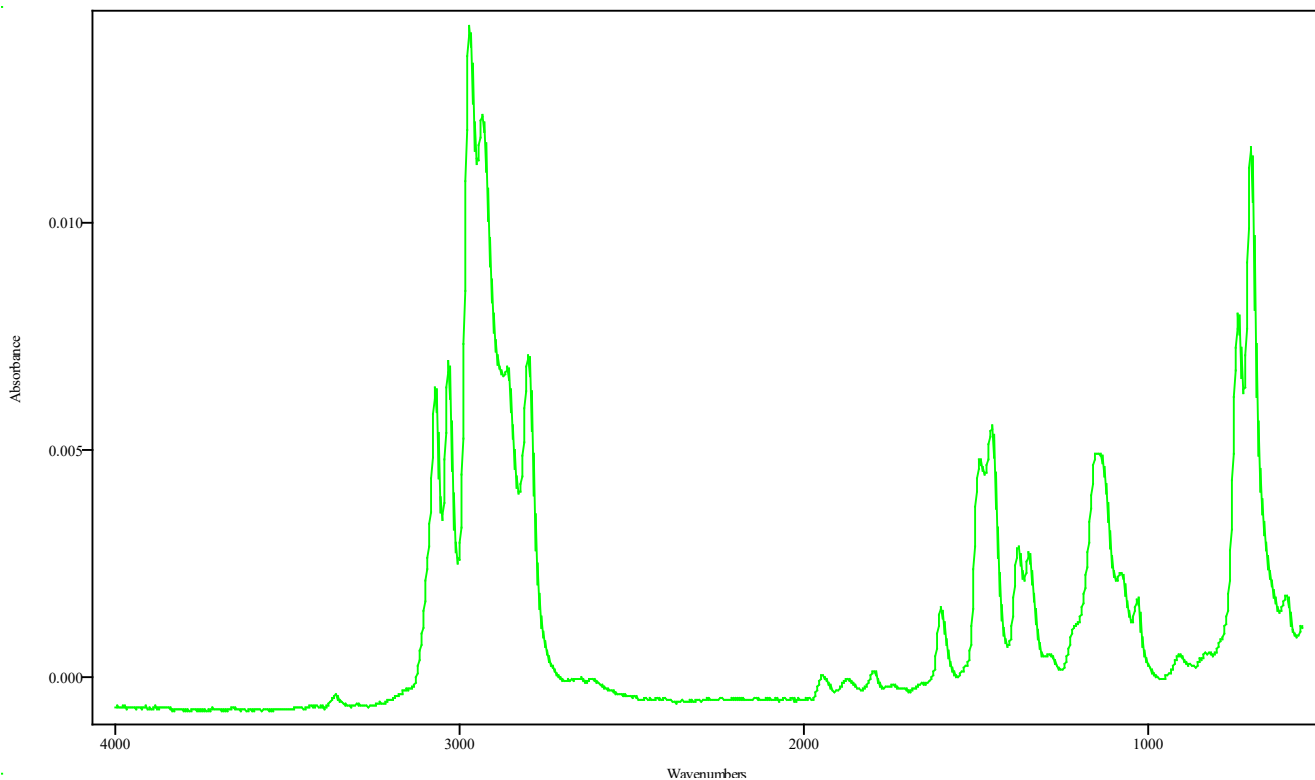
IRD Data Analysis Report

Data Filename	SL METHAMPHETAMINE STD 2023_April_11_015443
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	SLPOLYDRUG.M
GC Vial	11
Sample Name	Methamphetamine STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Apr 11 02:08:38 2023
Date Processed	Tue Apr 11 09:48:31 2023



Peak Start	Peak End	Peak Width	Reference Start	Reference End
1.479	1.534	0.055	1.309	1.435

Data Filename	SL METHAMPHETAMINE STD 2023_April_11_015443
Data Path	C:/ASAP DATA/YODA 2023/Validation/POLYDRUG-4-10-23-STDS
IRD Method	IRD3 EXT
GC Method	SLPOLYDRUG.M
GC Vial	11
Sample Name	Methamphetamine STD
Misc. Info	MEOH:YODA
User ID	N/A
Injection Time	Tue Apr 11 02:08:38 2023
Date Processed	Tue Apr 11 09:48:31 2023



IRDATA.SPC: 1.51 minutes: AVE (1.48: 1.53) Ref. (1.31: 1.44) of SL METHAMPHETAMINE STD 2023_April_11_015443.cgm