

Analytical Report

Sample ID	749 - Analysis Service - A0020
Expected	Clonazafone Desglycyl HCl
Sample adulterated?	No
Sample Appearance	
Sample type	Research Chemical -
Date of sample receipt	Dec-07-2023
Date of analysis	Dec-04-2023
Date of Report	Dec-13-2023

Qualitative and Quantitative Results

Substances identified	Purity / Quantity	Harm Reduction information	Chemical Class	Pubchem ID	analytical techniques used	
					Identification	Quantification
Clonazafone-Desglycyl	98 % *	https://psychonautwiki.org/wiki/Clonazafone-Desglycyl	Benzodiazepine	https://pubchem	NMR	NMR

Comment: Clonazafone-Desglycyl is a prodrug for Clonazepam which forms via a ring closure. This reaction normally happens in an organism after the intake but can also spontaneously occur in any aqueous (acidic) solution. In our LCMS analysis we use formic acid as a mobile phase modifier, which is why we detected primarily Clonazepam in addition to Clonazafone, Desglycyl. In our 1H NMR analysis the sample has been dissolved in DMSO-d6 and its "open" form could be confirmed.

* uncertainty of measurement +/- 5 %

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We do not claim nor make any guarantees or recommendations regarding the safety of the analysed samples for human consumption.

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Detailed information regarding our workflow including a full description of the analytical methods applied

is freely available under <https://www.kykeonanalytics.com/services/users/>

Attachments: LCMS Detailed report
 1H NMR Spectrum
 FTIR Spectrum



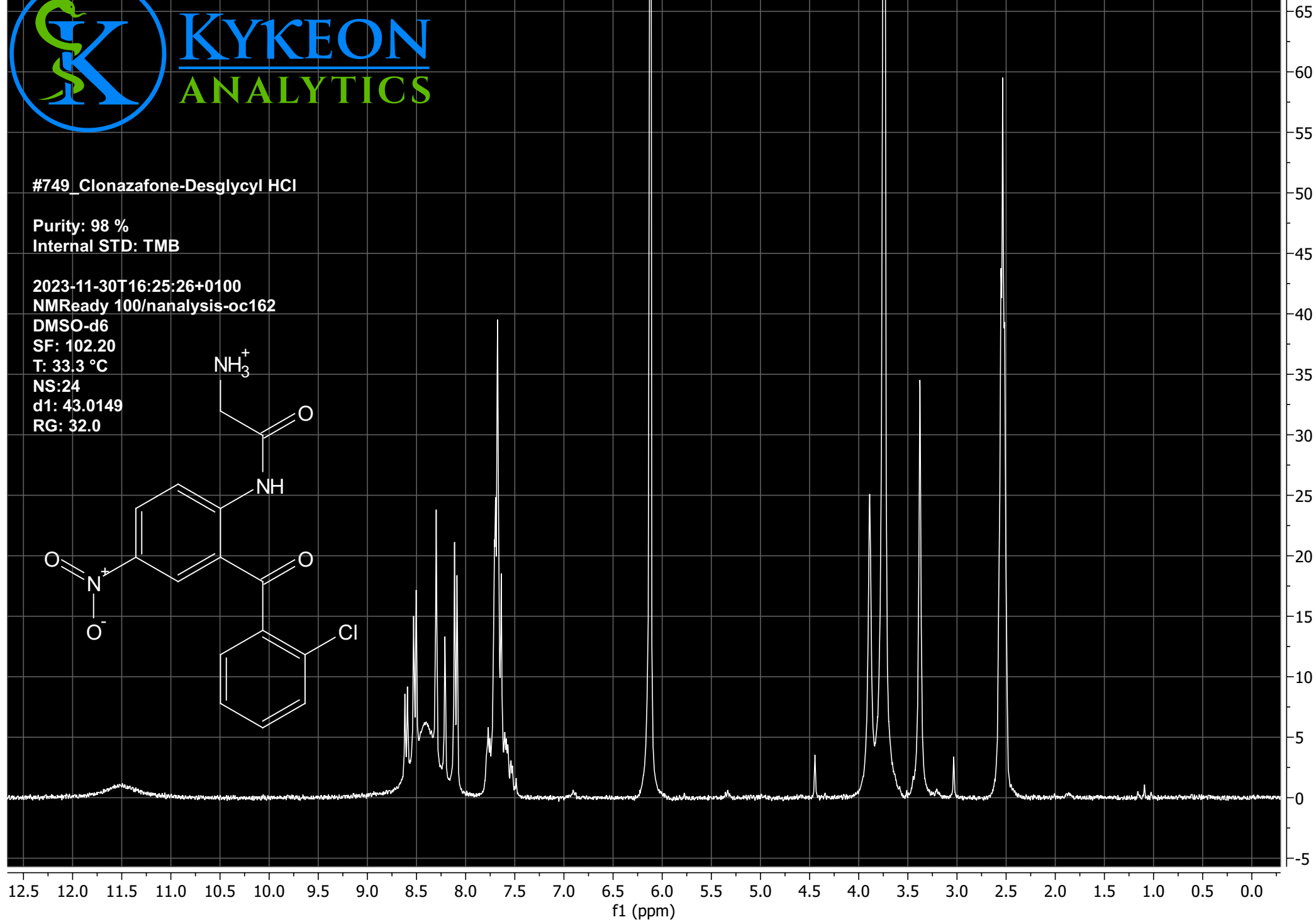
KYKEON
ANALYTICS

#749 Clonazafone-Desglycyl HCl

Purity: 98 %
Internal STD: TMB

2023-11-30T16:25:26+0100
NMReady 100/nanalysis-oc162

DMSO-d6
SF: 102.20
T: 33.3 °C
NS:24
d1: 43.0149
RG: 32.0



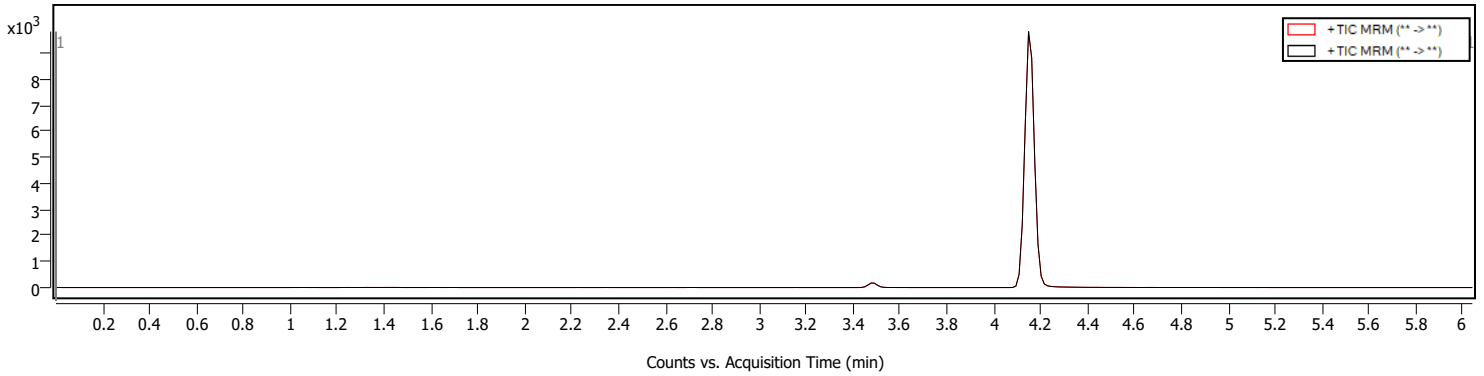
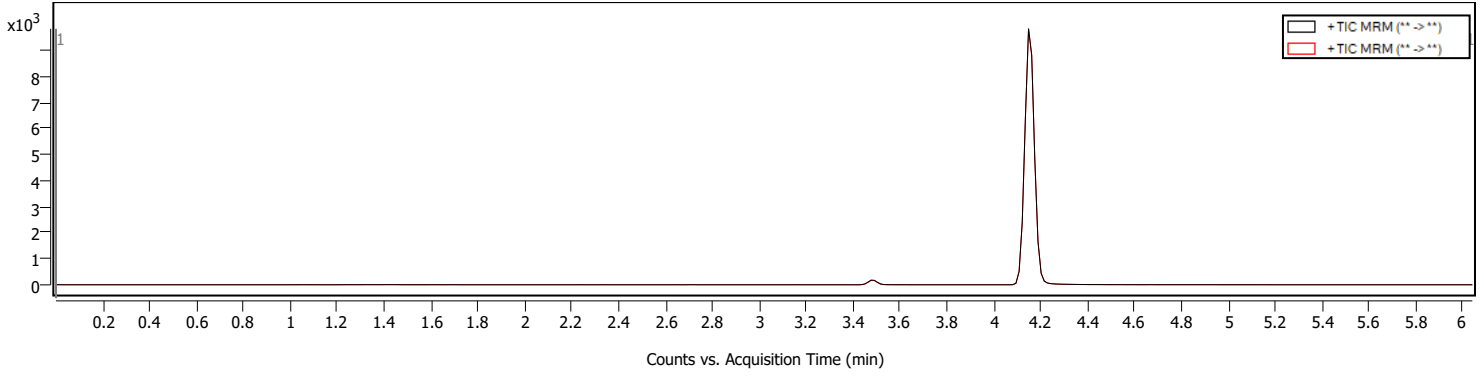
Qualitative Analysis Report



Sample Information

Name	749_Clonazafone_Desglycyl	Data File Path	D:\Kykeon\Data\2023\11-29\749_Clonazafone_Desglycyl-MRM2.d
Sample ID		Acq. Time (Local)	11/30/2023 2:17:53 PM (UTC+01:00)
Instrument	Instrument 1	Method Path (Acq)	D:\Kykeon\methods\MRM-6minNormalC18-clonazafonedesglycyl.m
MS Type	QQQ	Version (Acq SW)	Ultivo LC/TQ C.01.00 (B1677.1 SR1)
Inj. Vol. (ul)	1	IRM Status	
Position	P1-F6	Method Path (DA)	D:\Kykeon\methods\ReportWorkflowMethod-MRM.m
Operator		Result Summary	2 qualified (2 targets)

Sample Chromatograms



Compound Summary

Cpd	Name	Formula	Mass	RT	Area	m/z	Algorithm
1	Clonazafone Desglycyl			3.476	379	334.0	MRM
2	Clonazepam			4.157	16413	316.0	MRM

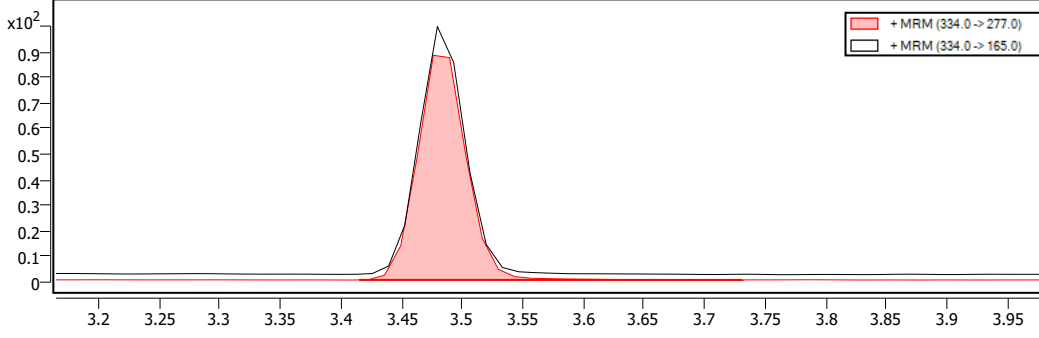
Qualitative Analysis Report

Compound Details

Cpd. 1: Clonazafone Desglycyl

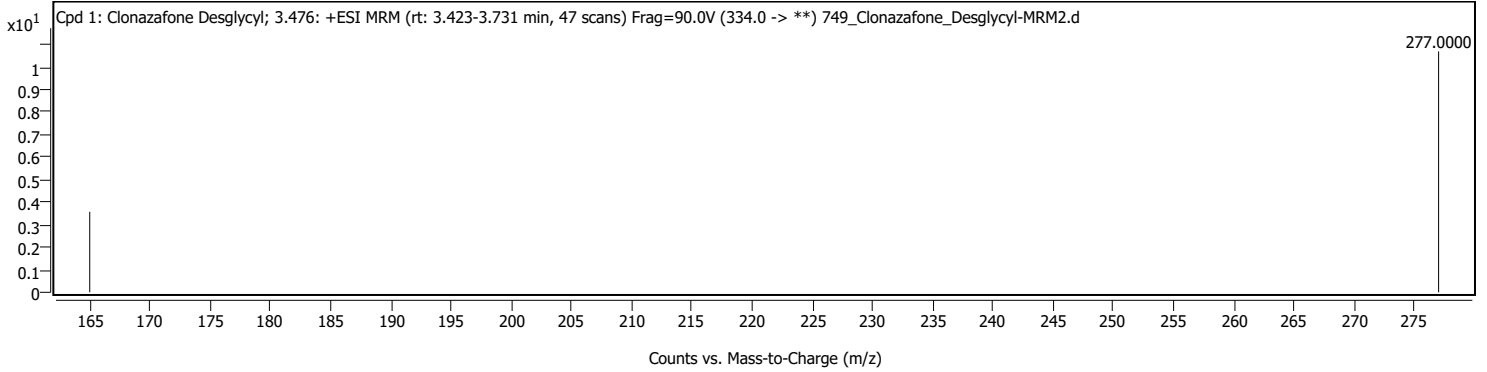
Name	Formula	Mass	RT	Area	m/z	m/z (primary prod.)	CE	FV	Algorithm
Clonazafone Desglycyl			3.476	379	334.0	277.0	10.00		MRM

Compound Chromatograms (overlaid)



Structure

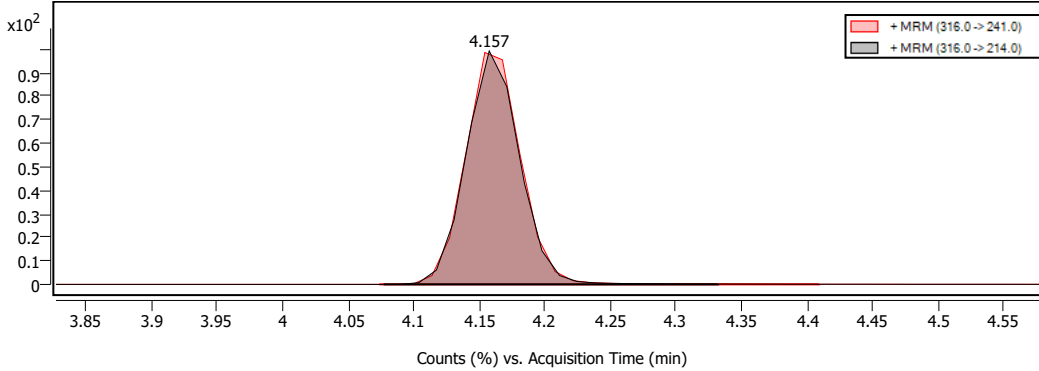
MS/MS Spectra



Cpd. 2: Clonazepam

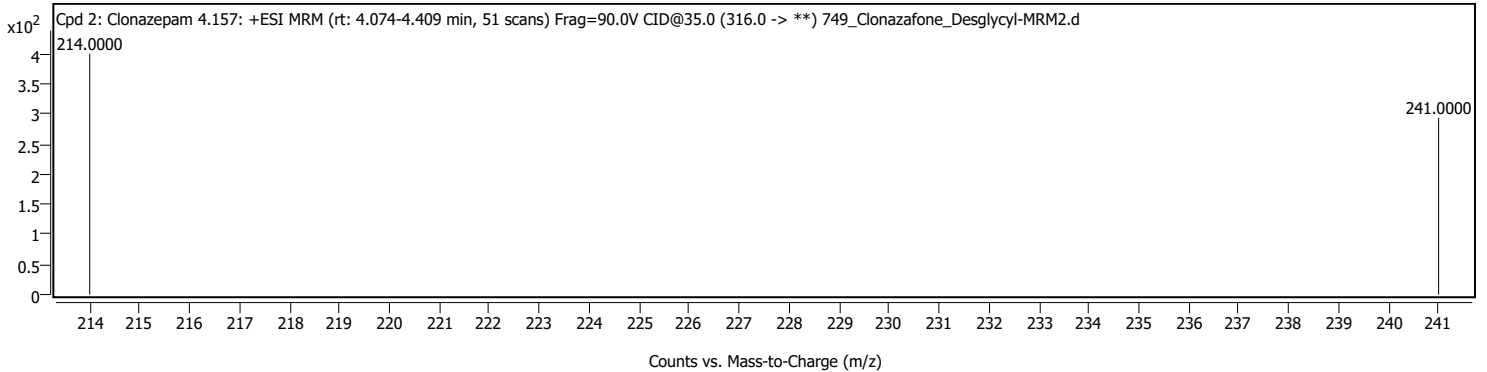
Name	Formula	Mass	RT	Area	m/z	m/z (primary prod.)	CE	FV	Algorithm
Clonazepam			4.157	16413	316.0	214.0	35.00		MRM

Compound Chromatograms (overlaid)

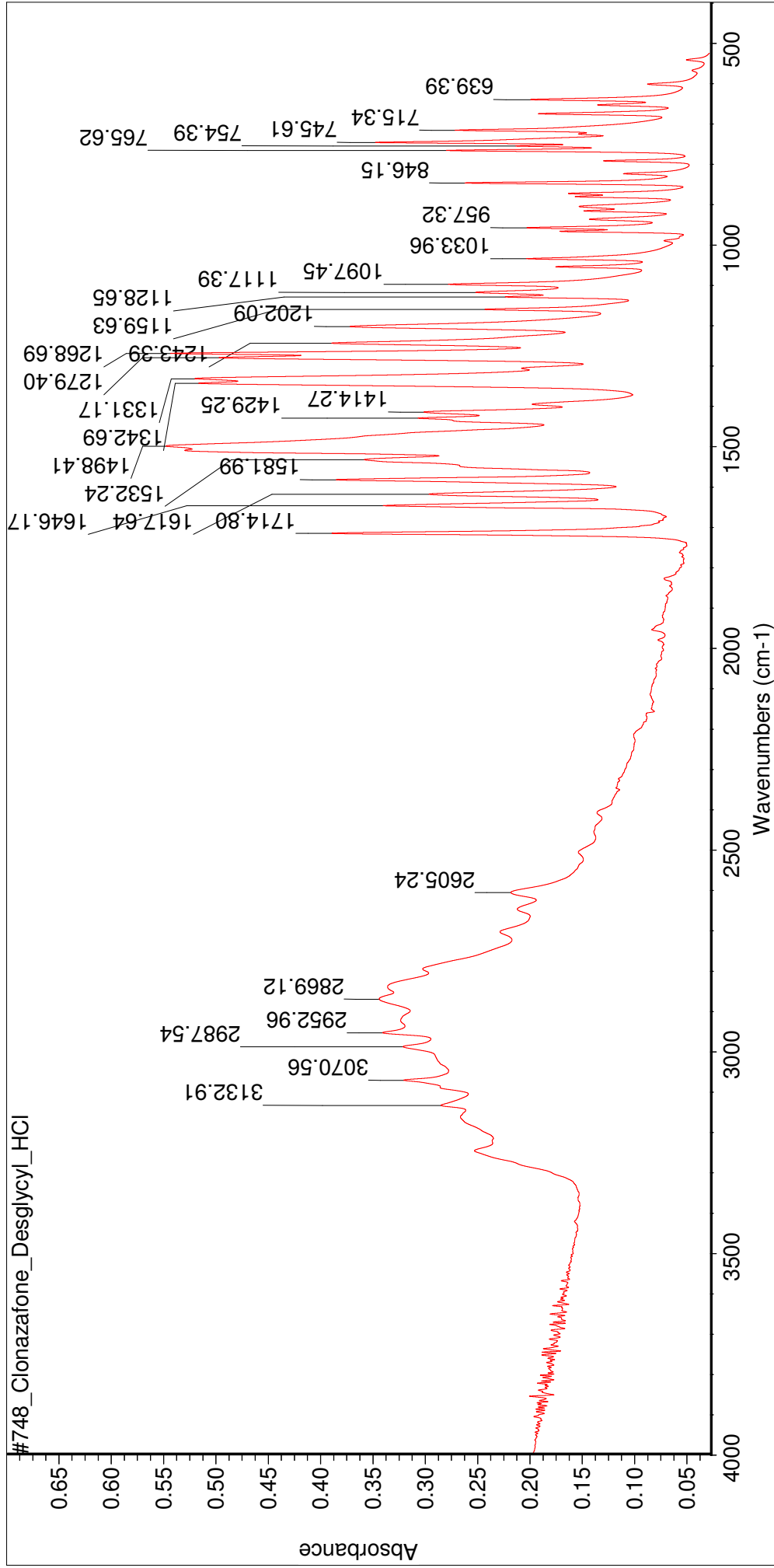


Structure

MS/MS Spectra



MassHunter Qual 10.0
(End of Report)



Wed Nov 29 14:20:55 2023 (GMT+01:00)

FIND PEAKS:

Spectrum: #748_Clonazafone_DesglycyI_HCl

Region: 4000.00 400.00

Absolute threshold: 0.198

Sensitivity: 50

Peak list:

Position:	Intensity:
639.39	0.201
715.34	0.272
745.61	0.351
754.39	0.215
765.62	0.282
846.15	0.265
957.32	0.204

Position:	1033.96	Intensity:	0.204
Position:	1097.45	Intensity:	0.278
Position:	1117.39	Intensity:	0.252
Position:	1128.65	Intensity:	0.225
Position:	1159.63	Intensity:	0.244
Position:	1202.09	Intensity:	0.372
Position:	1243.39	Intensity:	0.390
Position:	1268.69	Intensity:	0.545
Position:	1279.40	Intensity:	0.499
Position:	1331.17	Intensity:	0.521
Position:	1342.69	Intensity:	0.517
Position:	1414.27	Intensity:	0.302
Position:	1429.25	Intensity:	0.307
Position:	1498.41	Intensity:	0.548
Position:	1532.24	Intensity:	0.358
Position:	1581.99	Intensity:	0.386
Position:	1617.64	Intensity:	0.297
Position:	1646.17	Intensity:	0.341
Position:	1714.80	Intensity:	0.391
Position:	2605.24	Intensity:	0.218
Position:	2869.12	Intensity:	0.344
Position:	2952.96	Intensity:	0.341
Position:	2987.54	Intensity:	0.321
Position:	3070.56	Intensity:	0.321
Position:	3132.91	Intensity:	0.285