

Analytical Report

Sample ID	1502 - Analysis Service - A0383
Expected	4F-MPH
Sample adulterated or impure?	No
Sample Appearance	
Sample type	#N/A -
Date of sample receipt	19-Aug-2024
Date of analysis	20-Aug-2024
Date of Report	21-Aug-2024

Qualitative and Quantitative Results

Substances identified

	Harm Reduction information	Chemical Class	Pubchem ID	Analytical techniques used
(±)-erythro-4F-MPH 73%				
(±)-threo-4F-MPH 24%		Other	N/A	FTIR/LCMS/NMR

* 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/>

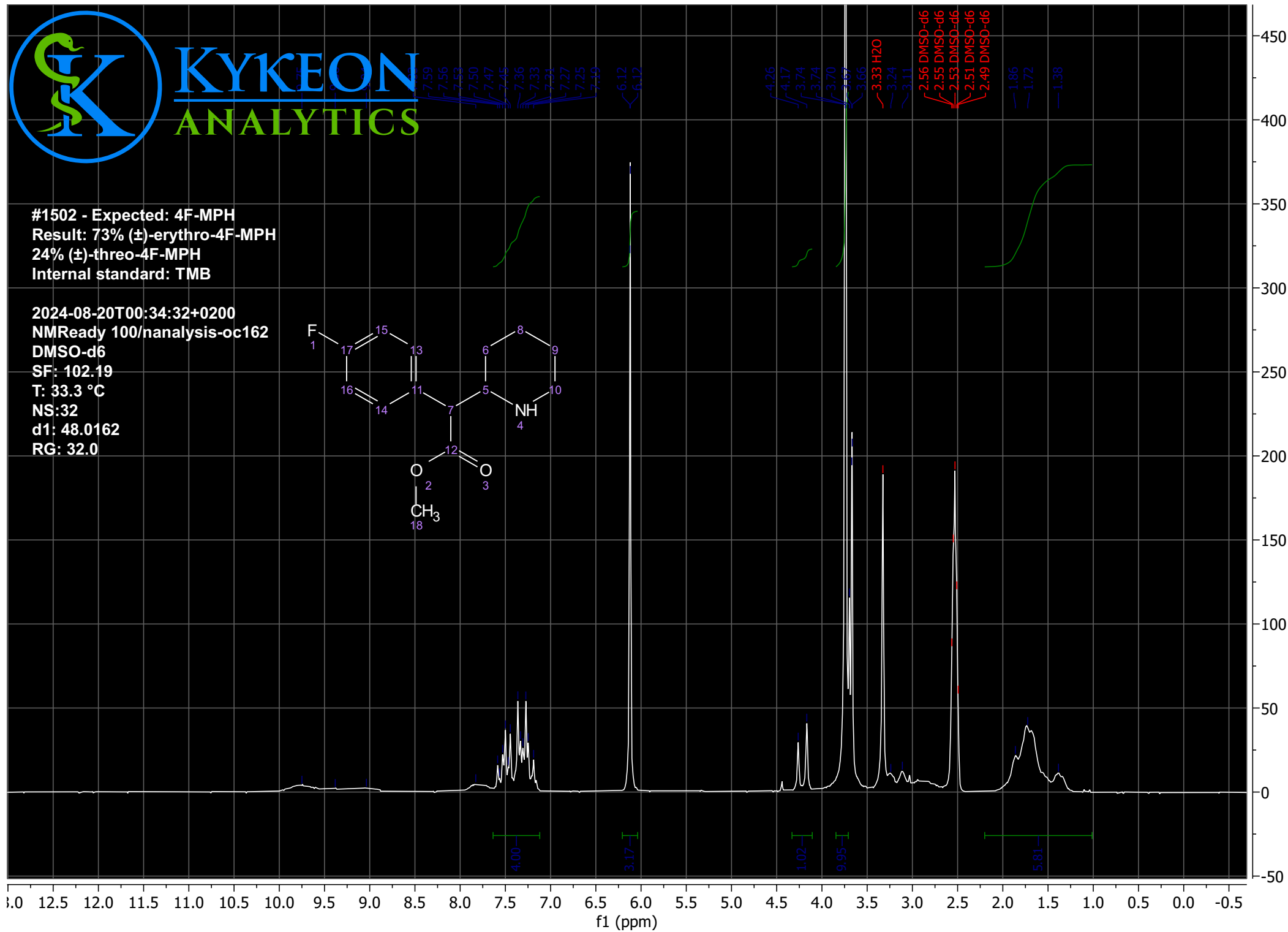
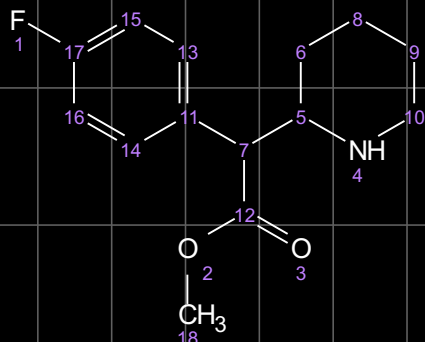
Attachments:



KYKEON ANALYTICS

#1502 - Expected: 4F-MPH
Result: 73% (±)-erythro-4F-MPH
24% (±)-threo-4F-MPH
Internal standard: TMB

2024-08-20T00:34:32+0200
NMReady 100/nanalysis-oc162
DMSO-d6
SF: 102.19
T: 33.3 °C
NS:32
d1: 48.0162
RG: 32.0



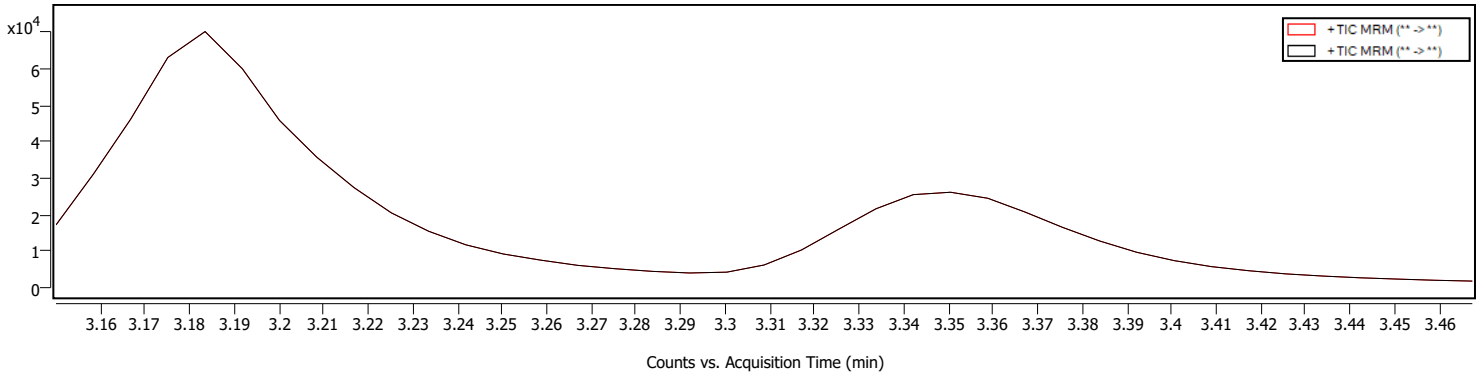
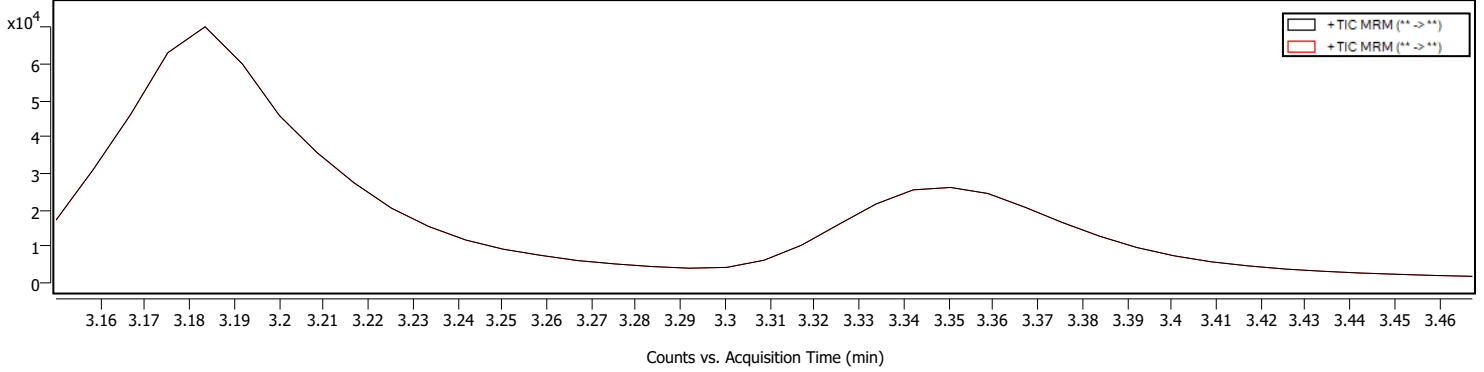
Qualitative Analysis Report



Sample Information

Name	1502_4f-mph	Data File Path	D:\Kykeon\Data\2024\08-19\1502_4f-mph_MRM.d
Sample ID		Acq. Time (Local)	8/19/2024 10:53:12 PM (UTC+02:00)
Instrument	Instrument 1	Method Path (Acq)	D:\Kykeon\methods\substances\4f-mph.m
MS Type	QQQ	Version (Acq SW)	Ultivo LC/TQ C.01.00 (B1677.1 SR1)
Inj. Vol. (ul)	1	IRM Status	
Position	P2-C4	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	(±)-erythro-4F-MPH			3.186	110993	252.1	MRM
2	(±)-threo-4F-MPH			3.353	54387	252.1	MRM

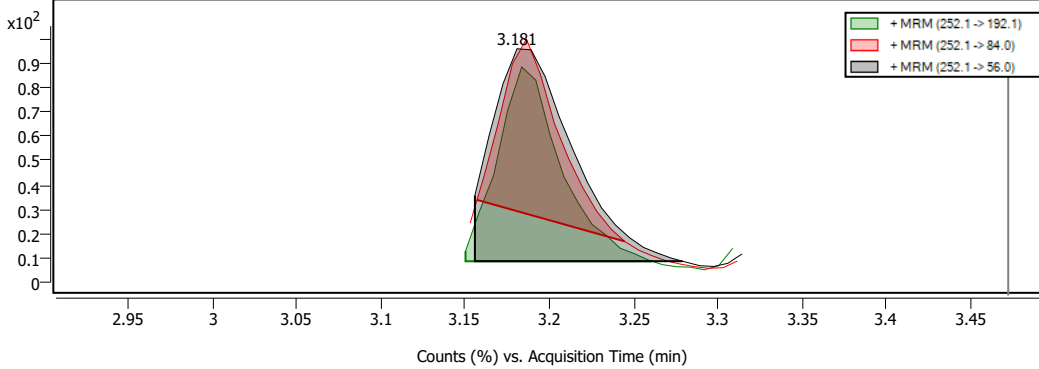
Qualitative Analysis Report

Compound Details

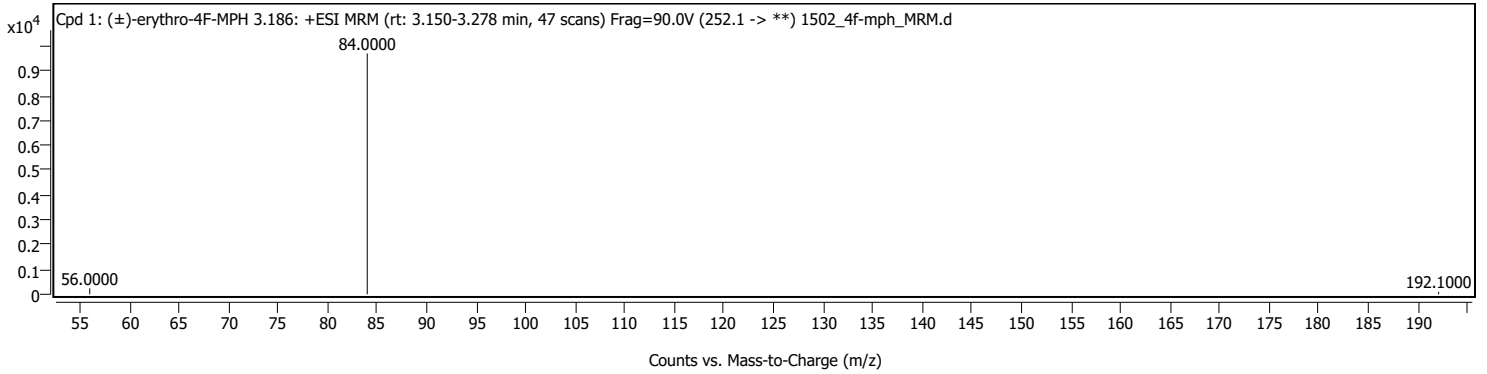
Cpd. 1: (±)-erythro-4F-MPH

Name	Formula	Mass	RT	Area	m/z	m/z (primary prod.)	CE	FV	Algorithm
(±)-erythro-4F-MPH			3.186	110993	252.1	84.0	20.00		MRM

Compound Chromatograms (overlaid)



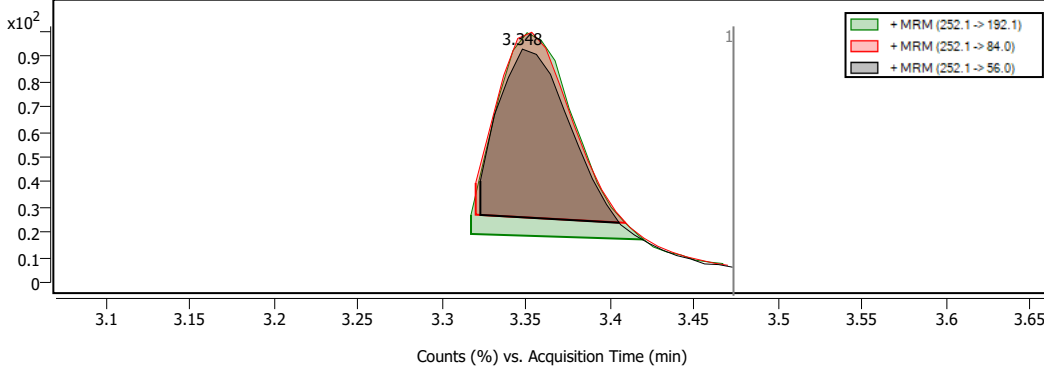
MS/MS Spectra



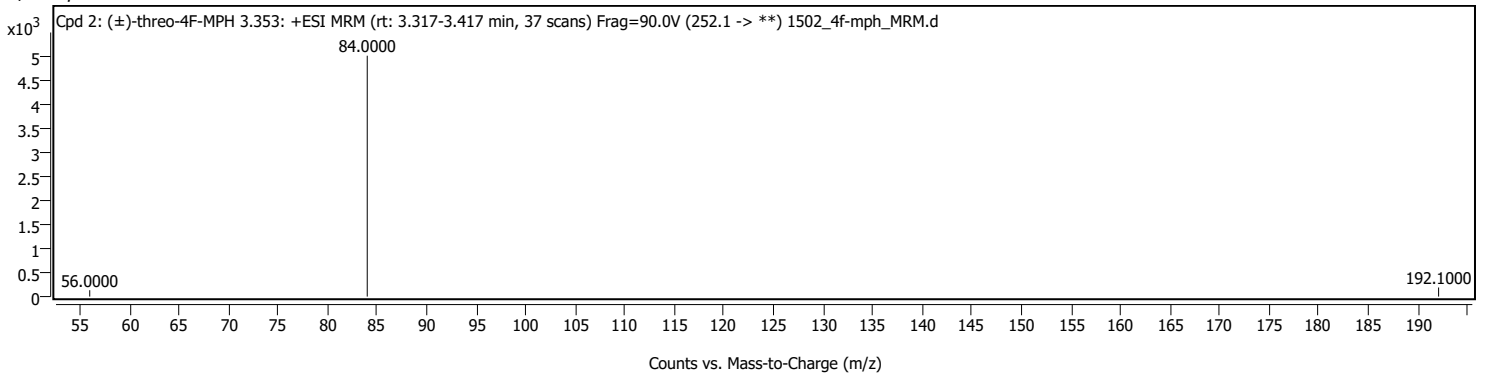
Cpd. 2: (±)-threo-4F-MPH

Name	Formula	Mass	RT	Area	m/z	m/z (primary prod.)	CE	FV	Algorithm
(±)-threo-4F-MPH			3.353	54387	252.1	84.0	20.00		MRM

Compound Chromatograms (overlaid)

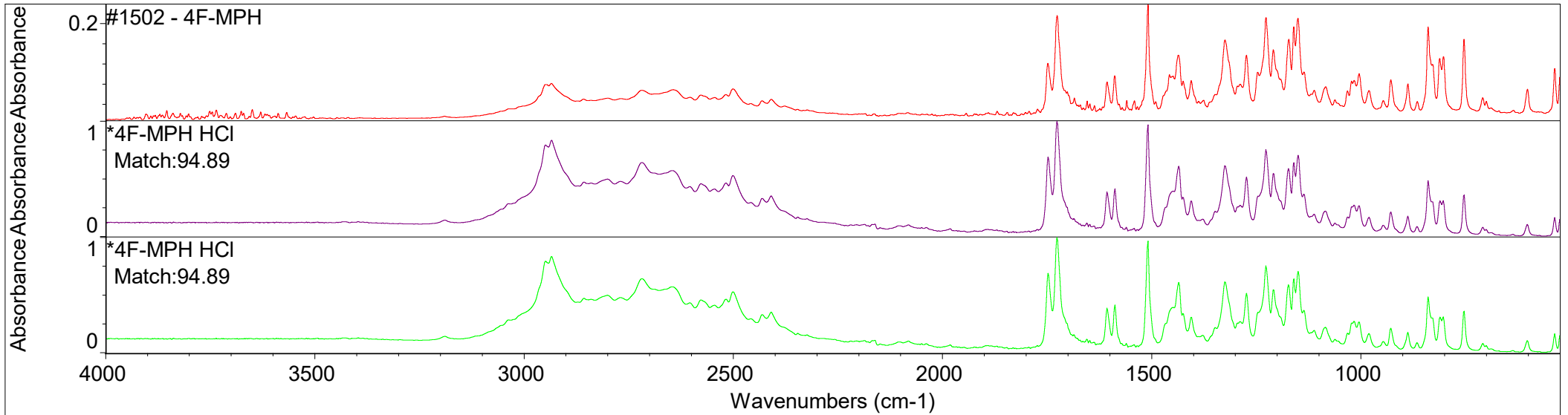


MS/MS Spectra



MassHunter Qual 10.0
(End of Report)

Search results for: #1502 - 4F-MPH
 Date: Mon Aug 19 13:08:12 2024 (GMT+02:00)
 Search algorithm: Correlation
 Regions searched: 3495.26-700.00



Search results list of matches

Index	Match	Compound Name	Library Name
1	141	94.89 *4F-MPH HCl	KykeonJune2024
2	85	94.89 *4F-MPH HCl	KYKEONFEB2024
3	117	94.89 *4F-MPH HCl	KykeonAnalytics November 2023
4	334	92.46 *4-Fluoro-MPH HCl	RESPONSE ATR
5	257	92.46 #1669n - 4-fluoromethylphenidate HCl / 4F-MPH HCl	ENFSI DWG Drugs Subset A
6	1140	90.35 #4654n - 4-Fluoromethylphenidate HCl / 4F-MPH HCl	ENFSI DWG Drugs Subset C
7	33	89.15 4-FLUORO-METHYLPHENIDATE	Valenveras-Kykeon_AnalyticsMay2023
8	623	67.25 4-Fluoromethylphenidate HCl (Lot #0480761-9)	Master SFL1 FTIR library v. 082719
9	637	60.04 #2993n - 4-fluoromethylphenidate HCl / 4-Fluoro-MPH HCl	ENFSI DWG Drugs Subset A
10	390	51.64 #2104n - 4-fluoroethylphenidate base	ENFSI DWG Drugs Subset D