

**Synthesis of 3C-alkylated active methylene substituted 2H-indazole derivatives via sequential ring opening of donor acceptor cyclopropanes and reductive cyclization reaction**

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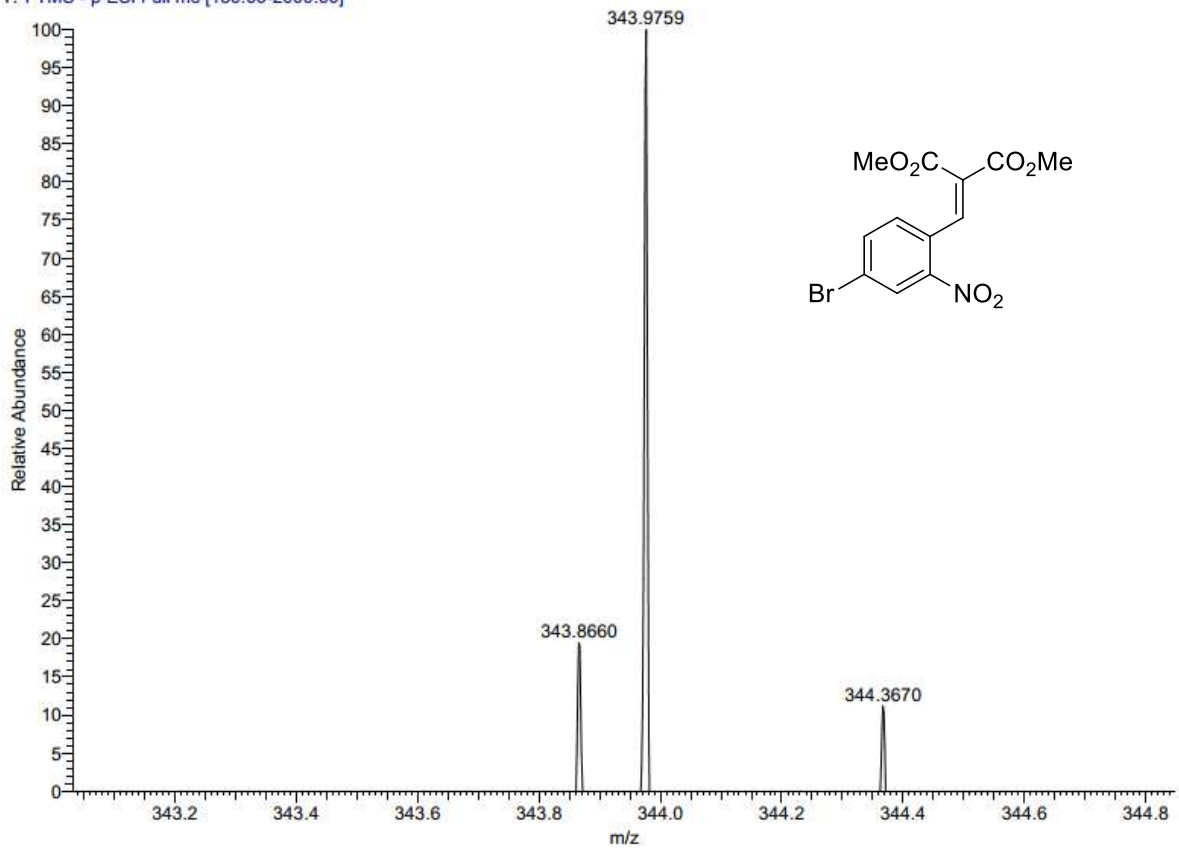
1. Experimental section	<b>S2-S38</b>
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# HRMS Spectrum of **1b'**

C:\Users\CHEL-005\Downloads\C1

08-03-2022 10:31:02

C1 #182 RT: 1.73 AV: 1 NL: 2.31E5  
T: FTMS - p ESI Full ms [150.00-2000.00]

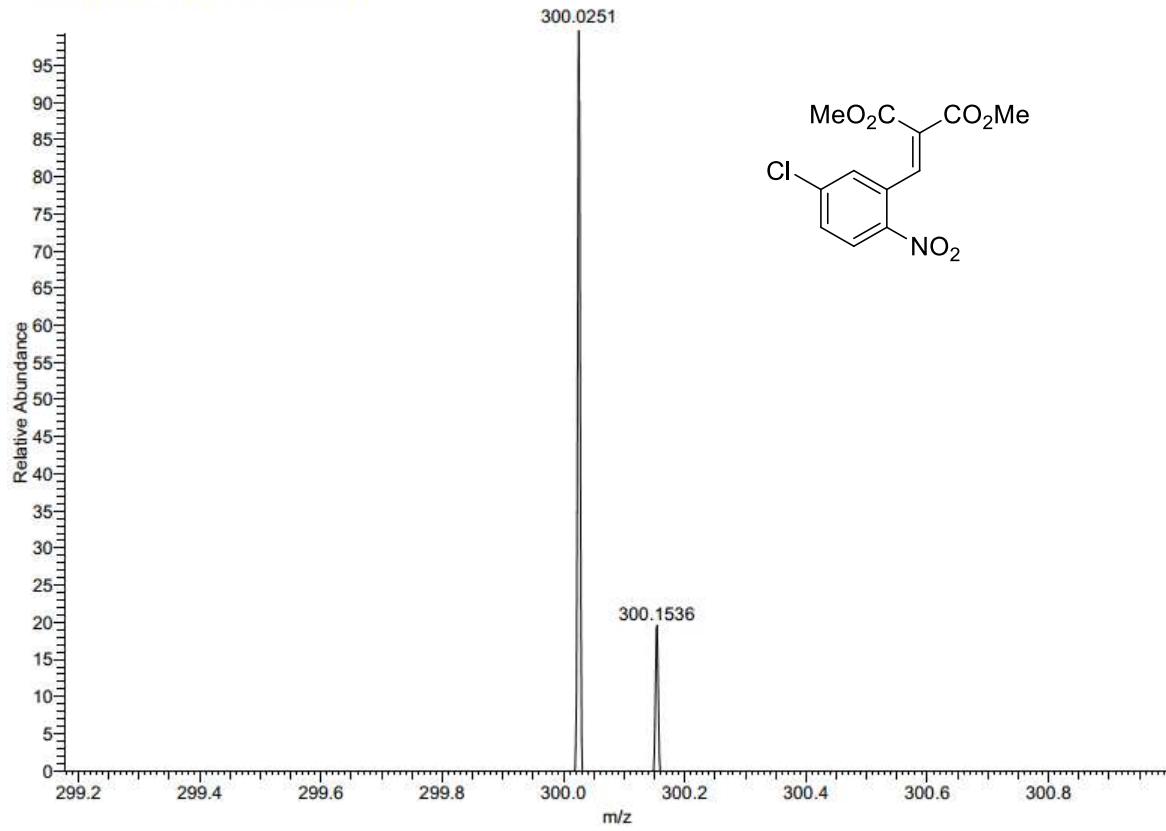


# HRMS Spectrum of 1c'

C:\Users\CHEL-005\Downloads\C2

08-03-2022 10:37:20

C2 #42 RT: 0.40 AV: 1 NL: 4.87E6  
T: FTMS - p ESI Full ms [150.00-2000.00]

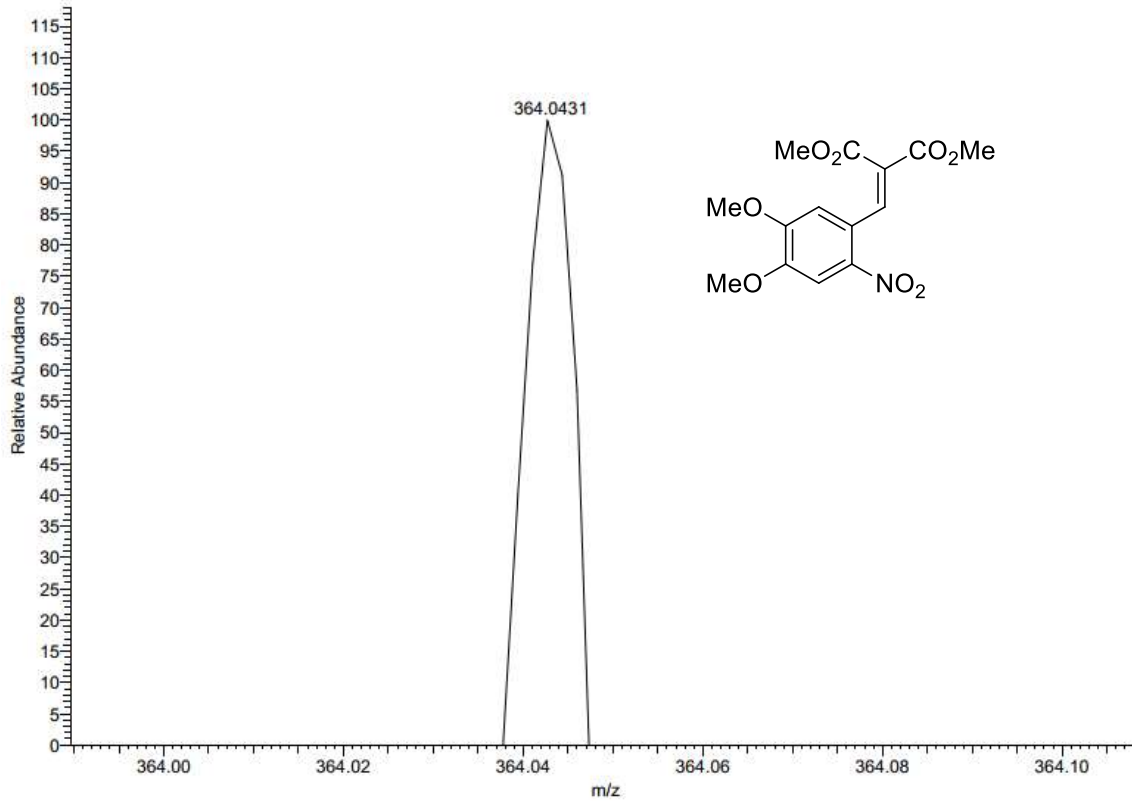


# HRMS Spectrum of **1d'**

C:\Users\CHEL-005\Downloads\c3

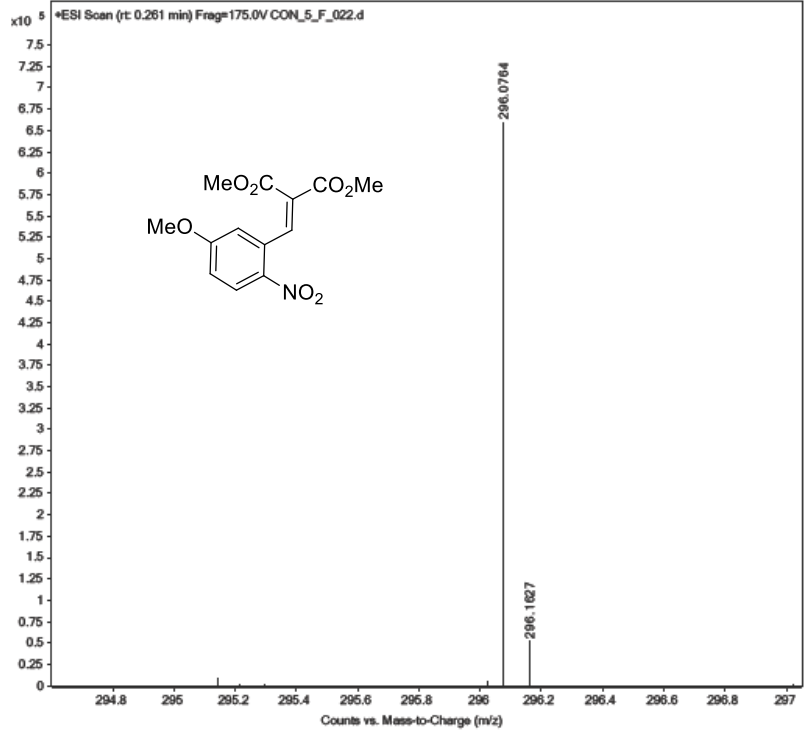
07-03-2022 10:18:45

c3 #182 RT: 1.85 AV: 1 NL: 3.57E3  
T: FTMS - p ESI Full ms [200.00-1000.00]



# HRMS Spectrum of 1e'

Sample Name	CON_5_F	Position	P1-A7	Instrument Name	Instrument 1
User Name		Inj Vol	10	InjPosition	
Sample Type	Sample	IRM Calibration Status	Success	Data Filename	CON_5_F_022.d
ACQ Method	FULL SCAN-POSITIVE.m	Comment		Acquired Time	01-06-2022 16:19:43 (UTC+05:30)

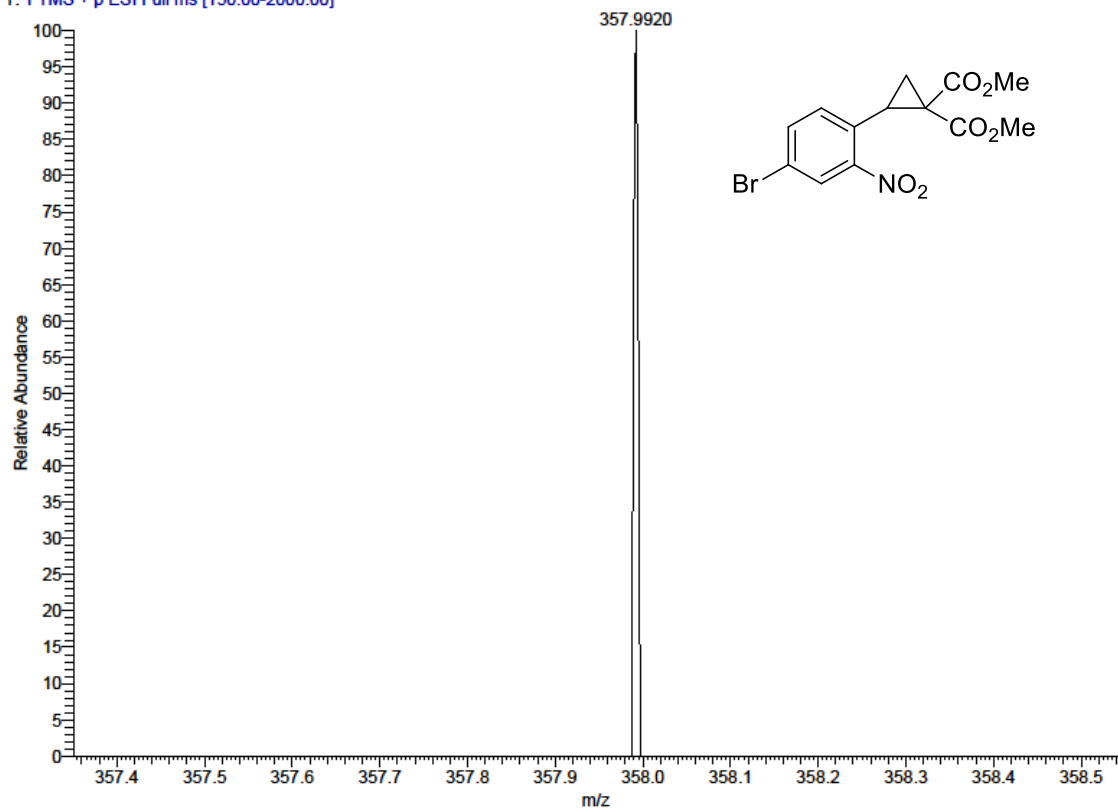


# HRMS Spectrum of **1b**

C:\Users\CHEL-005\Downloads\SM1

22-03-2022 12:29:07

SM1 #13 RT: 0.12 AV: 1 NL: 6.49E4  
T: FTMS + p ESI Full ms [150.00-2000.00]

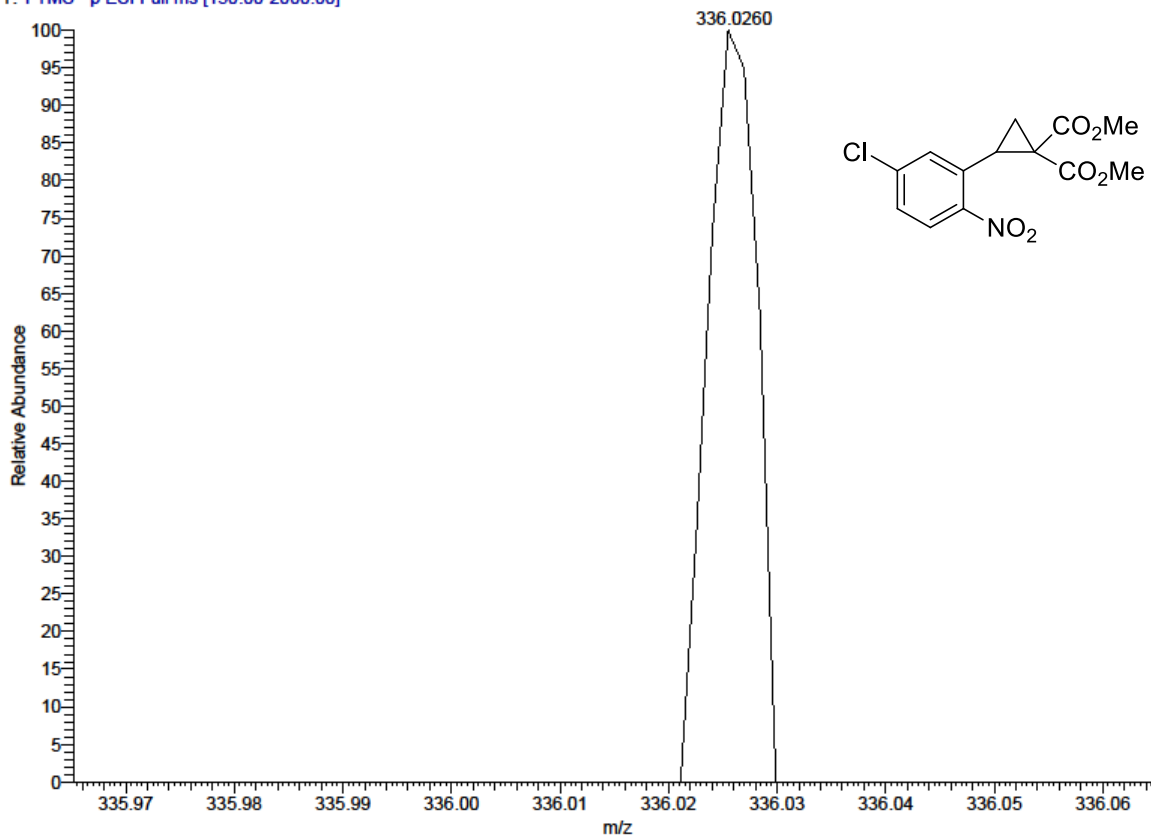


# HRMS Spectrum of **1c**

C:\Users\...Fw\_lc\_ms\_data\SM2

11-03-2022 12:35:43

SM2 #76 RT: 0.72 AV: 1 NL: 3.16E4  
T: FTMS - p ESI Full ms [150.00-2000.00]

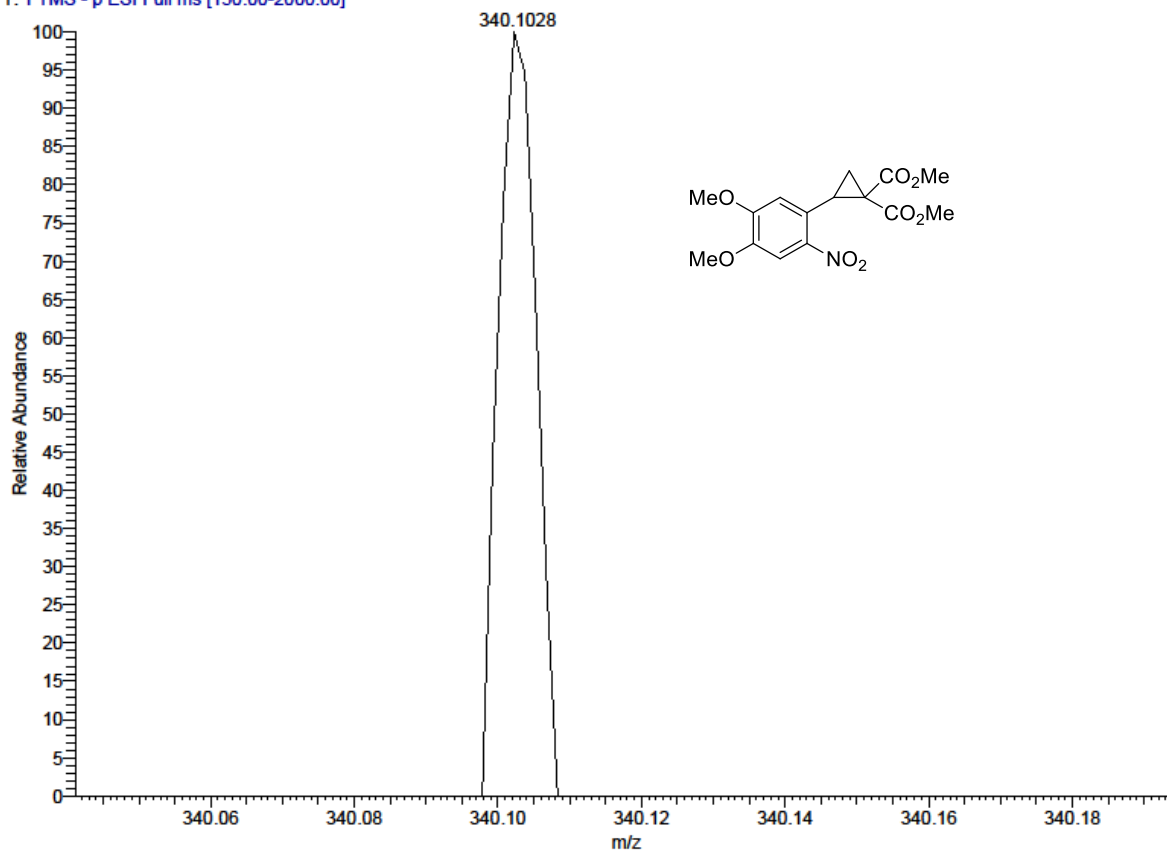


# HRMS Spectrum of **1d**

C:\Users\...Fw\_lc\_ms\_data\SM3

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SM3 #28 RT: 0.26 AV: 1 NL: 4.26E4  
T: FTMS - p ESI Full ms [150.00-2000.00]



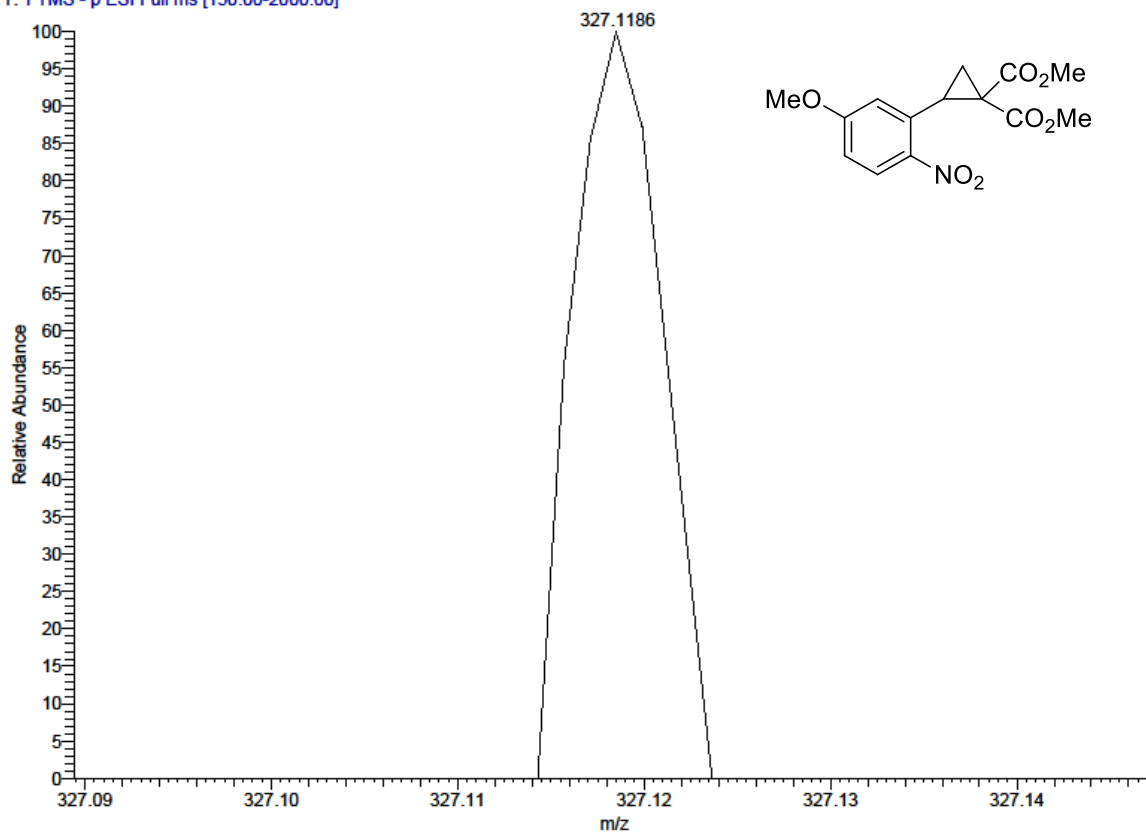


# HRMS Spectrum of **1e**

C:\Users\CHEL-005\Downloads\SM4

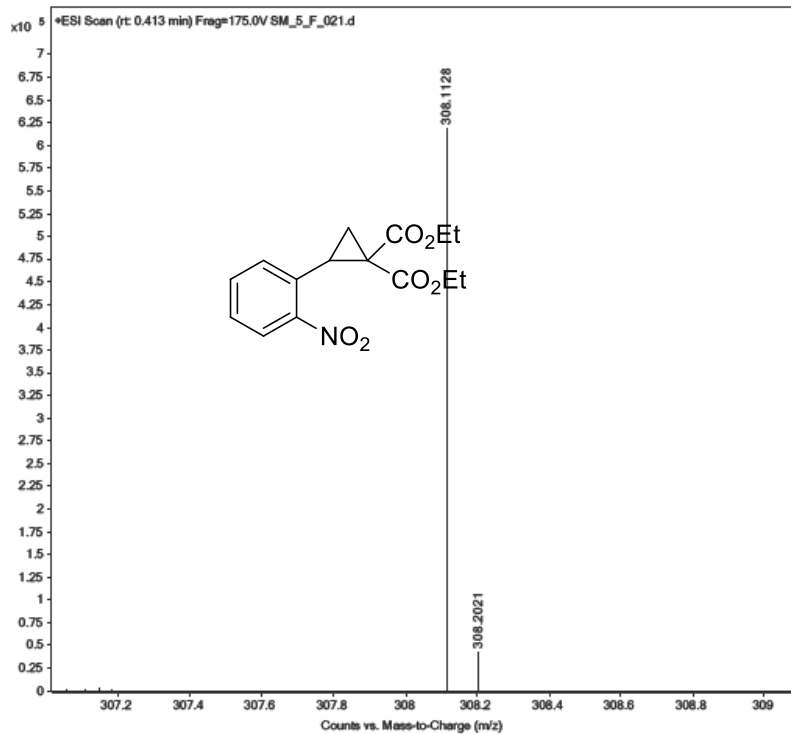
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SM4 #172 RT: 1.65 AV: 1 NL: 1.36E4  
T: FTMS - p ESI Full ms [150.00-2000.00]

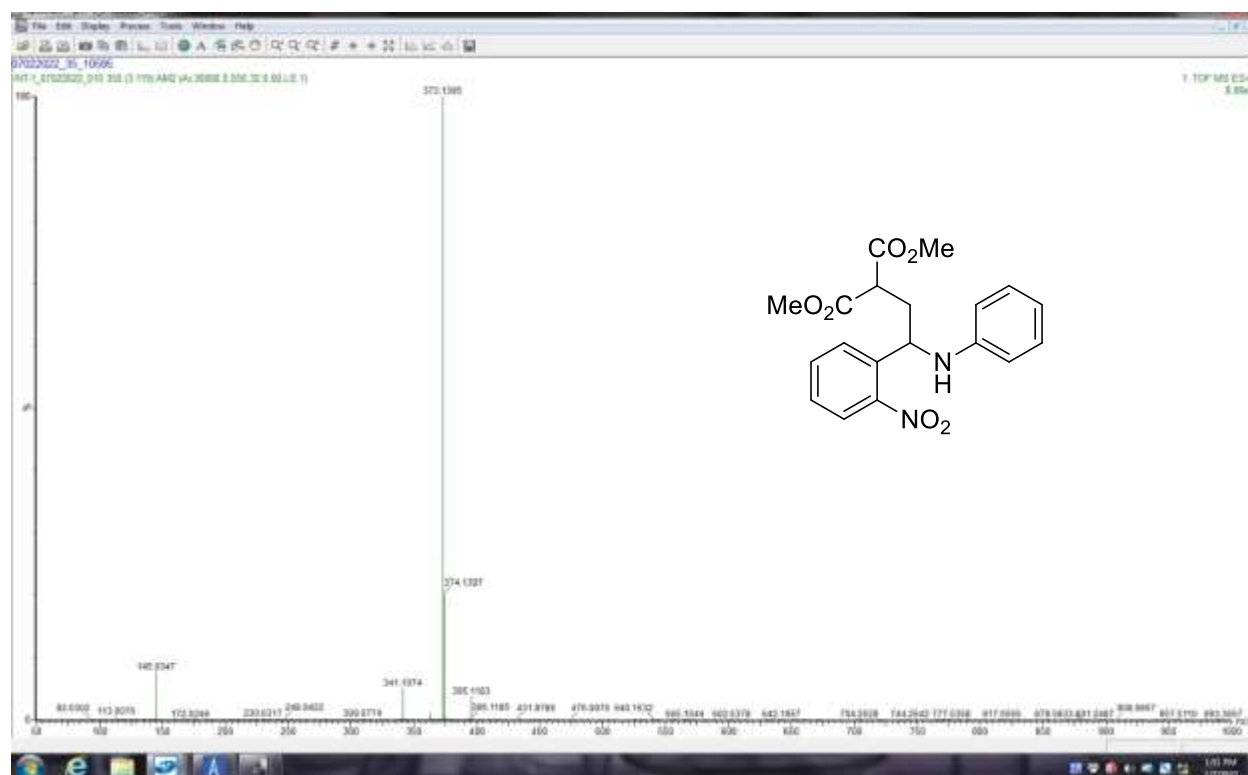


# HRMS Spectrum of **1f**

Sample Name	SM_5_F	Position	P1-A6	Instrument Name	Instrument 1
User Name		Inj Vol	10	InjPosition	
Sample Type	Sample	IRM Calibration Status	Success	Data Filename	SM_5_F_021.d
ACQ Method	FULL SCAN-POSITIVE.m	Comment		Acquired Time	01-06-2022 16:17:51 (UTC+05:30)

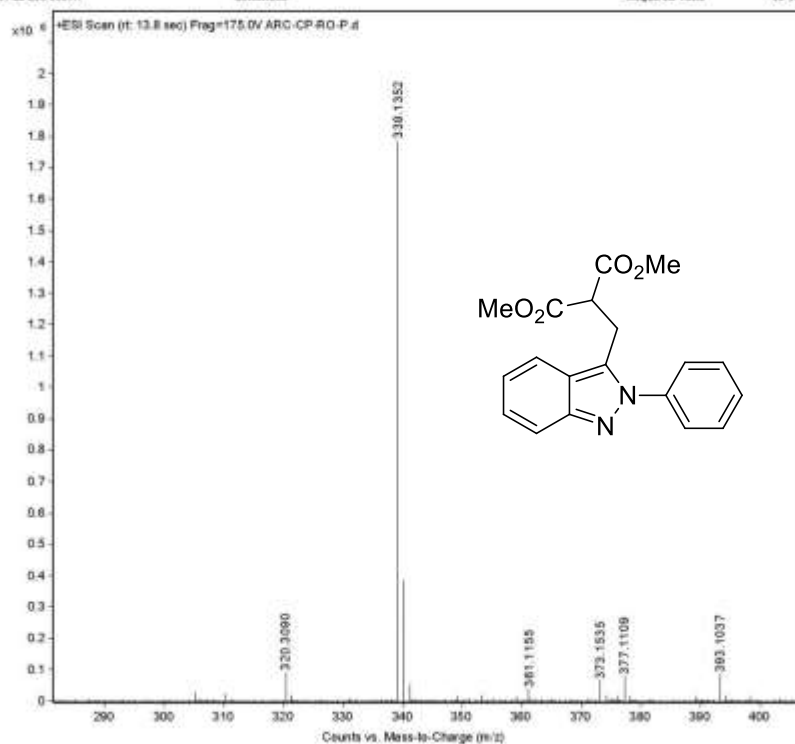


# HRMS Spectrum of **3aa'**



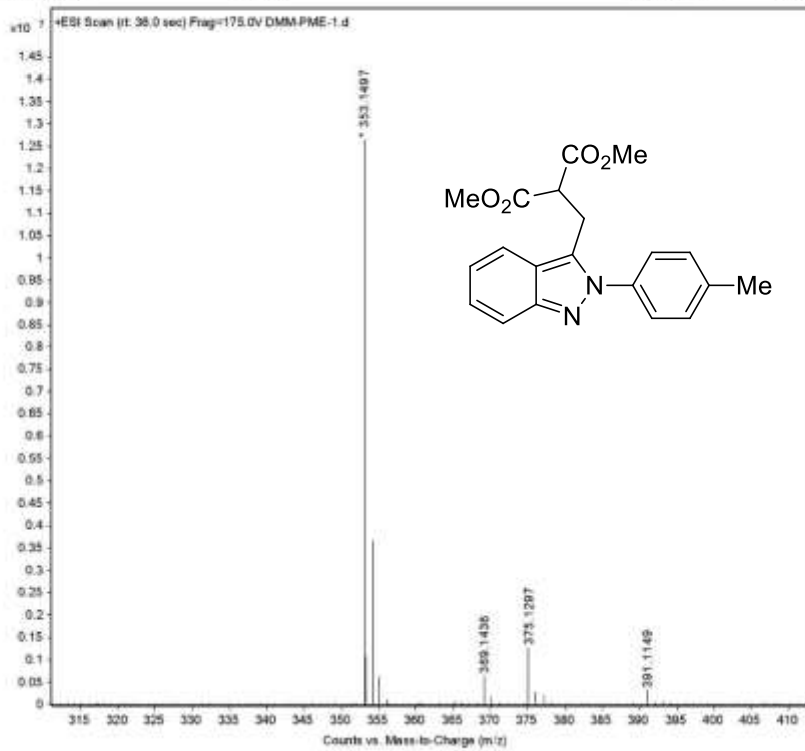
## HRMS Spectrum of 3aa

Sample Name	SAMPLE	Position	PI-CS	Instrument Name	Instrument 1
User Name		Inj Vol	20	InjPosition	
Sample Type	Sample	IRM Calibration Status	Success	Data Filename	ARC-CP-RD-P.d
Acq Method	ESI ALS 200-500.n	Comment		Acquired Time	05-08-2021 13:42:21 (UTC+05:30)

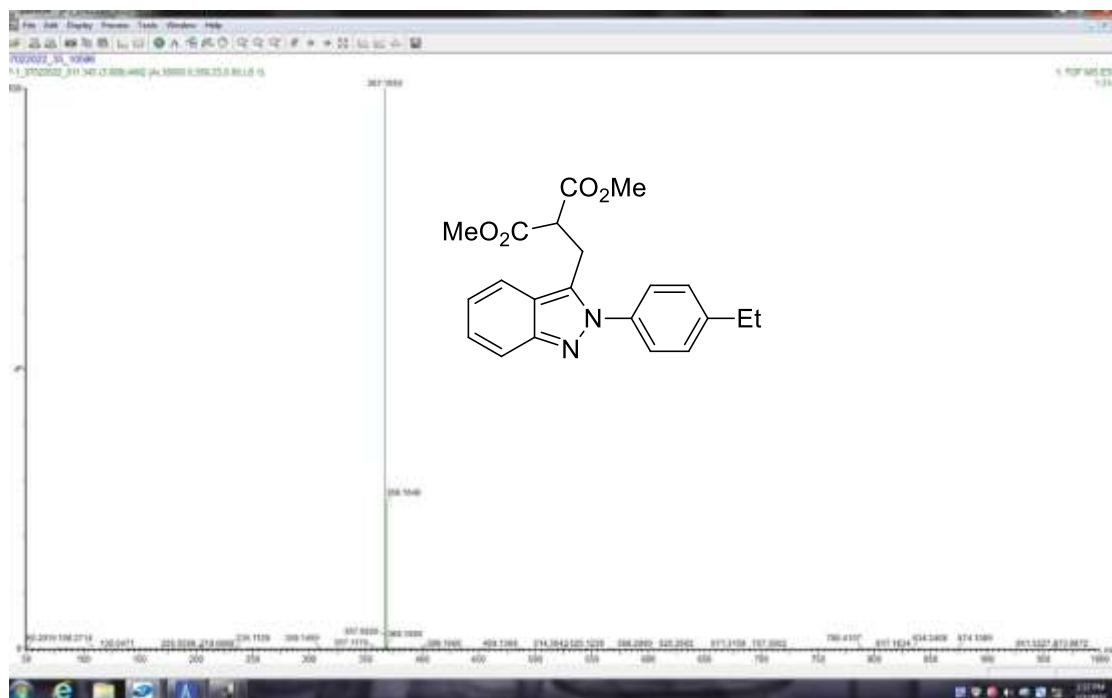


## HRMS Spectrum of **3ab**

Sample Name	DMM-PME-1	Position	P1-05	Instrument Name	Instrument 1
User Name		Inj Vol	20	InjPosition	
Sample Type	Sample	IRN Calibration Status	Success	Data Filename	DMM-PME-1.d
ACQ Method	ESI ALS 000-0000.m	Comment		Acquired Time	24-09-2021 17:26:00 (UTC+05:30)

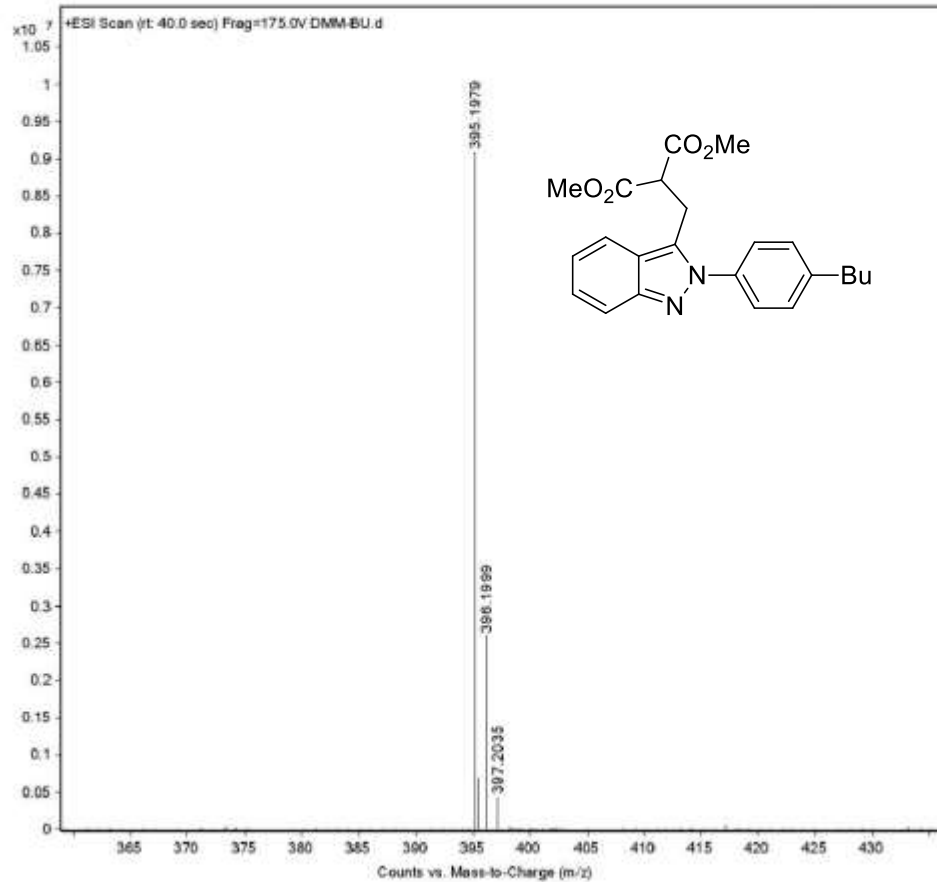


## HRMS Spectrum of **3ac**



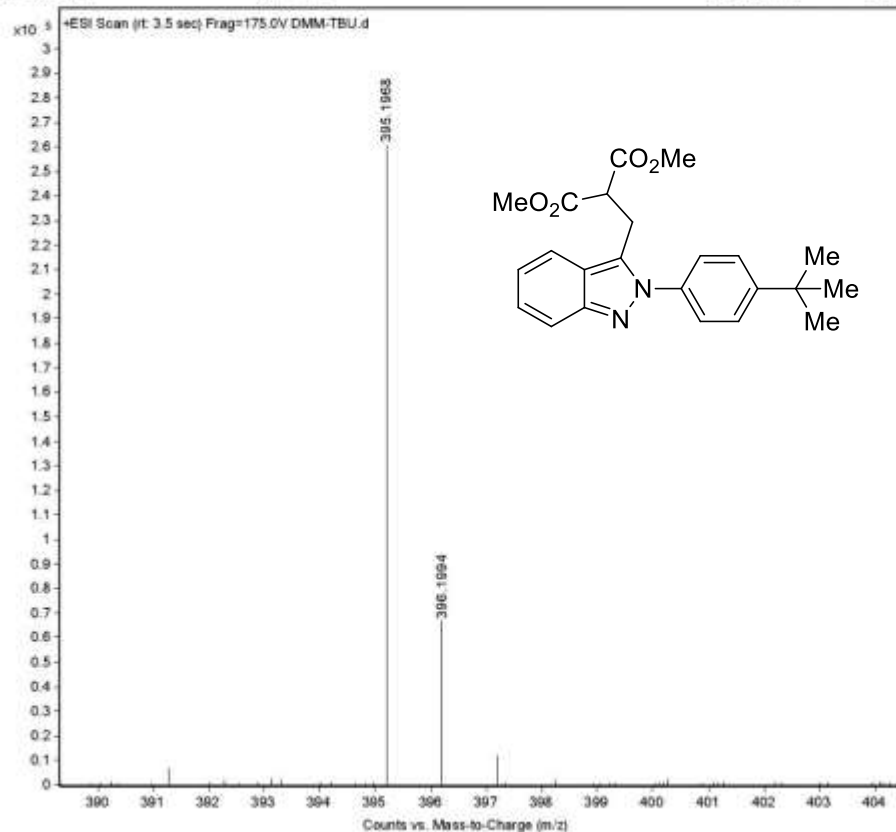
# HRMS Spectrum of 3ad

<b>Sample Name</b>	WASH	<b>Position</b>	PI-C10	<b>Instrument Name</b>	Instrument 1
<b>User Name</b>		<b>Inj Vol</b>	20	<b>InjPosition</b>	
<b>Sample Type</b>	Sample	<b>IRM Calibration Status</b>	Success	<b>Data Filename</b>	DMM-BU.d
<b>ACQ Method</b>	ESI ALS 100-500.m	<b>Comment</b>		<b>Acquired Time</b>	30-08-2021 11:31:52 (UTC+05:30)



## HRMS Spectrum of 3ae

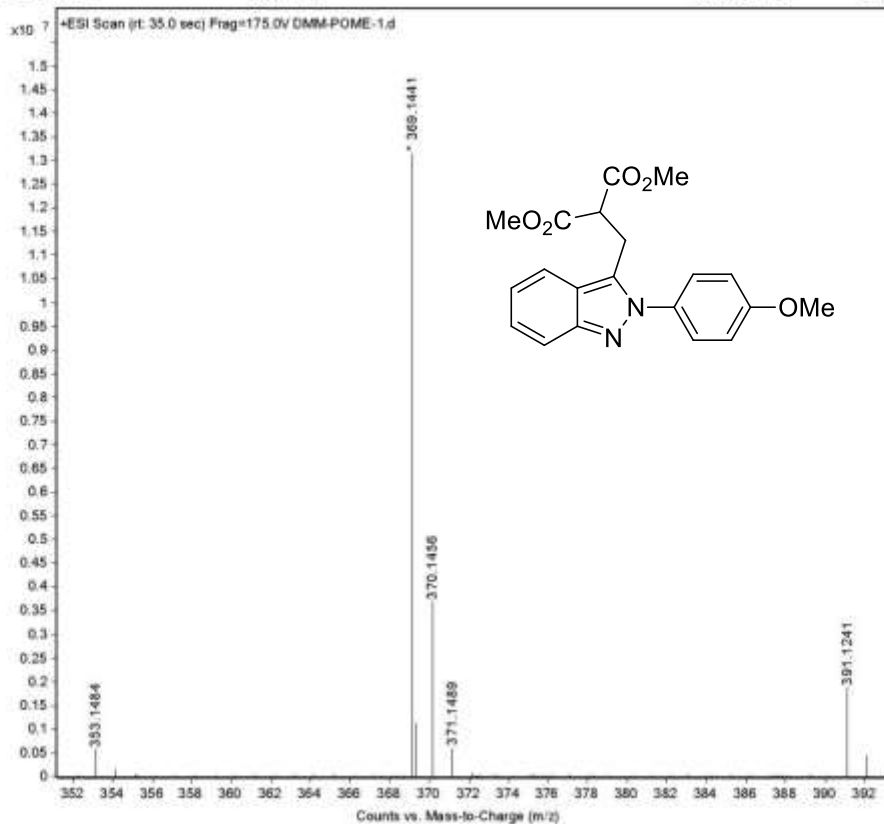
<b>Sample Name</b>	WASH	<b>Position</b>	P1-C11	<b>Instrument Name</b>	Instrument 1
<b>User Name</b>		<b>Inj Vol</b>	20	<b>InjPosition</b>	
<b>Sample Type</b>	Sample	<b>IRM Calibration Status</b>	Success	<b>Data Filename</b>	DMM-TBU.d
<b>ACQ Method</b>	ESI ALS 100-500.m	<b>Comment</b>		<b>Acquired Time</b>	30-08-2021 11:35:49 (UTC+05:30)



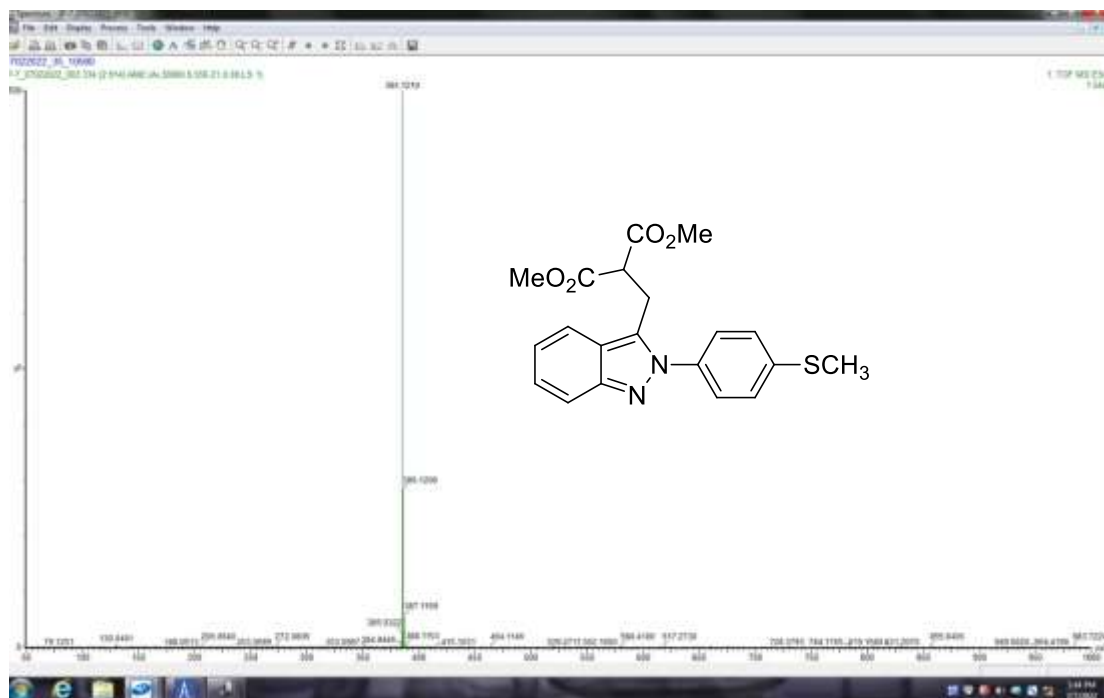


## HRMS Spectrum of 3af

Sample Name	DMM-POME-1	Position	P1-C7	Instrument Name	Instrument 1
User Name		Inj Vol	20	InjPosition	
Sample Type	Sample	IRM Calibration Status	Success	Data Filename	DMM-POME-1.d
ACQ Method	ESI ALS 100-1000.m	Comment		Acquired Time	24-08-2021 17:27:47 (UTC+05:30)

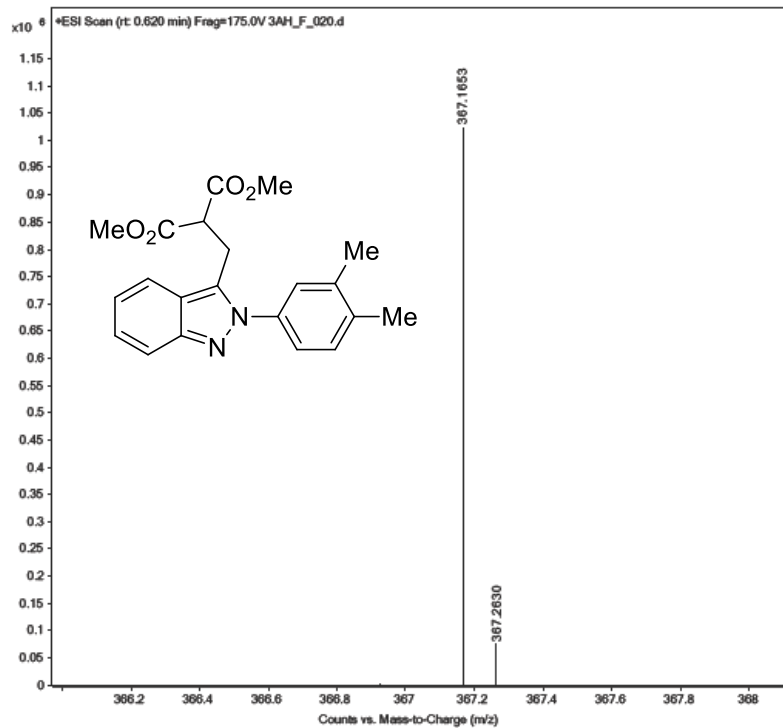


## HRMS Spectrum of **3ag**

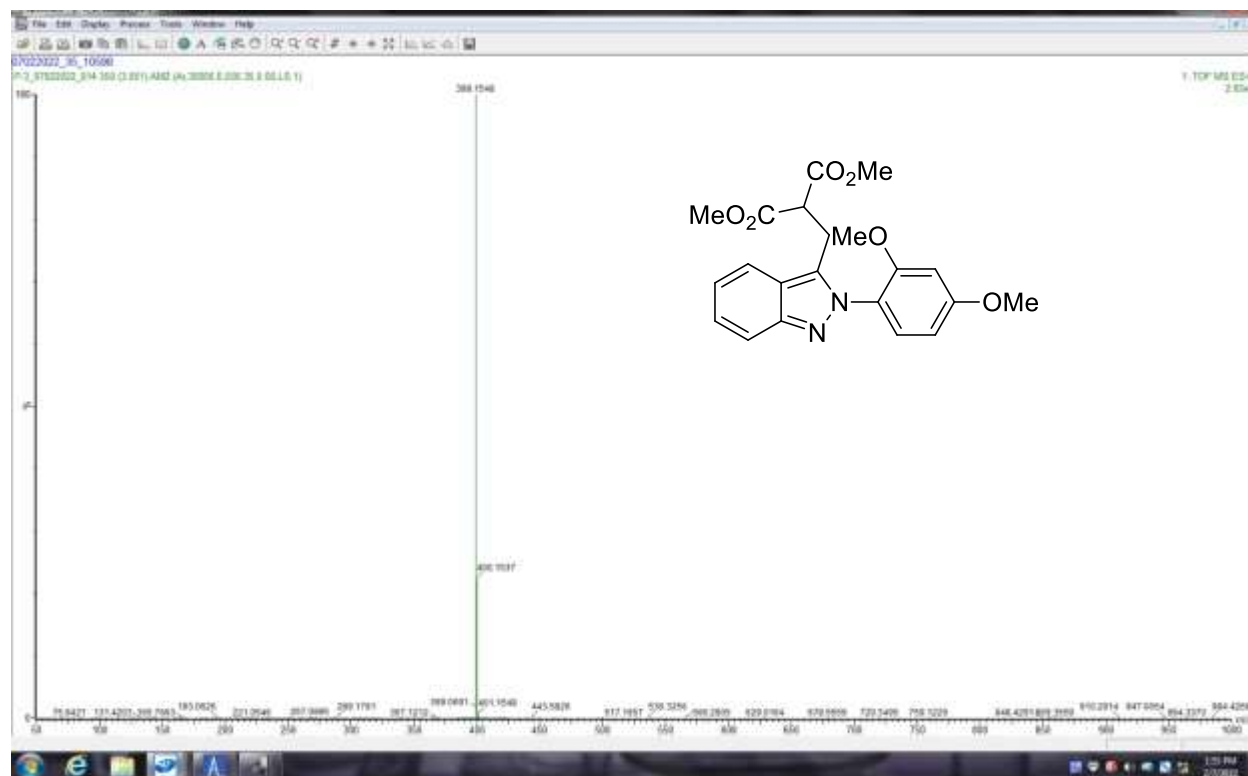


# HRMS Spectrum of **3ah**

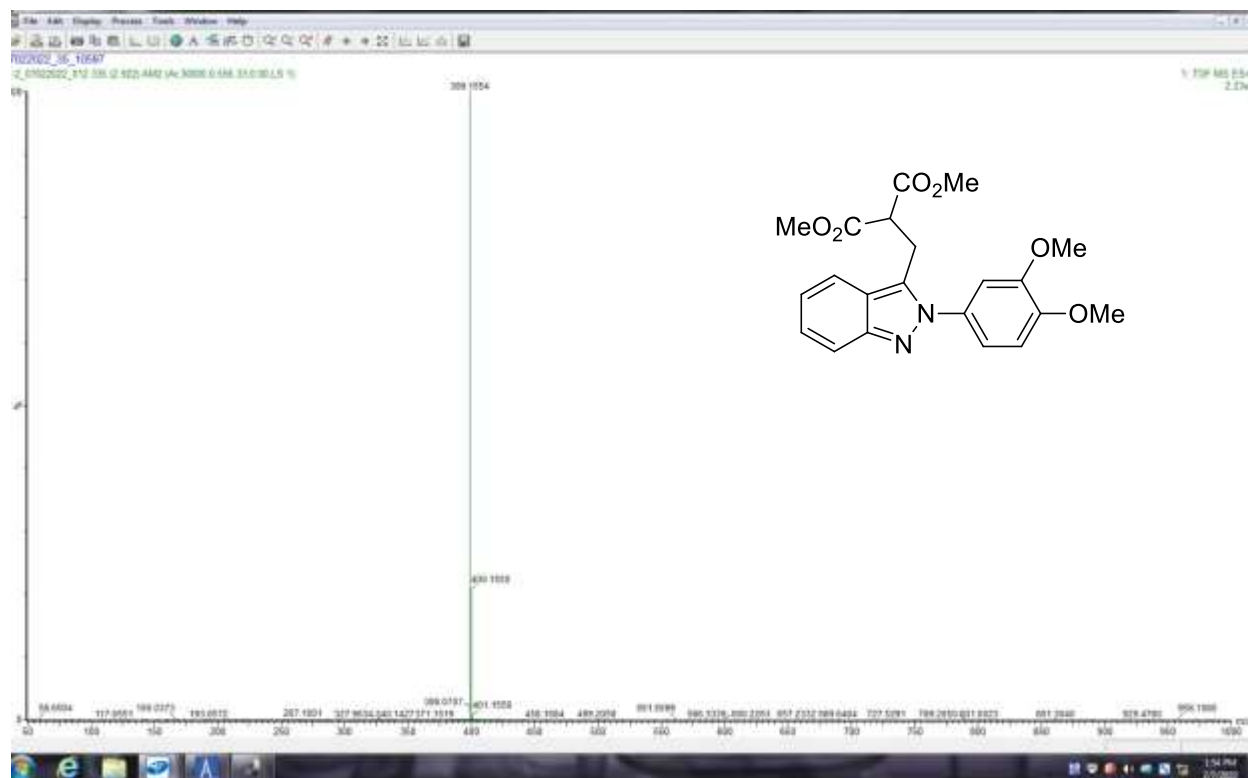
Sample Name	3AH_F	Position	P1-A5	Instrument Name	Instrument 1
User Name		Inj Vol	10	InjPosition	
Sample Type	Sample	IRM Calibration Status	Success	Data Filename	3AH_F_020.d
ACQ Method	FULL SCAN-POSITIVE.m	Comment		Acquired Time	01-06-2022 16:15:52 (UTC+05:30)



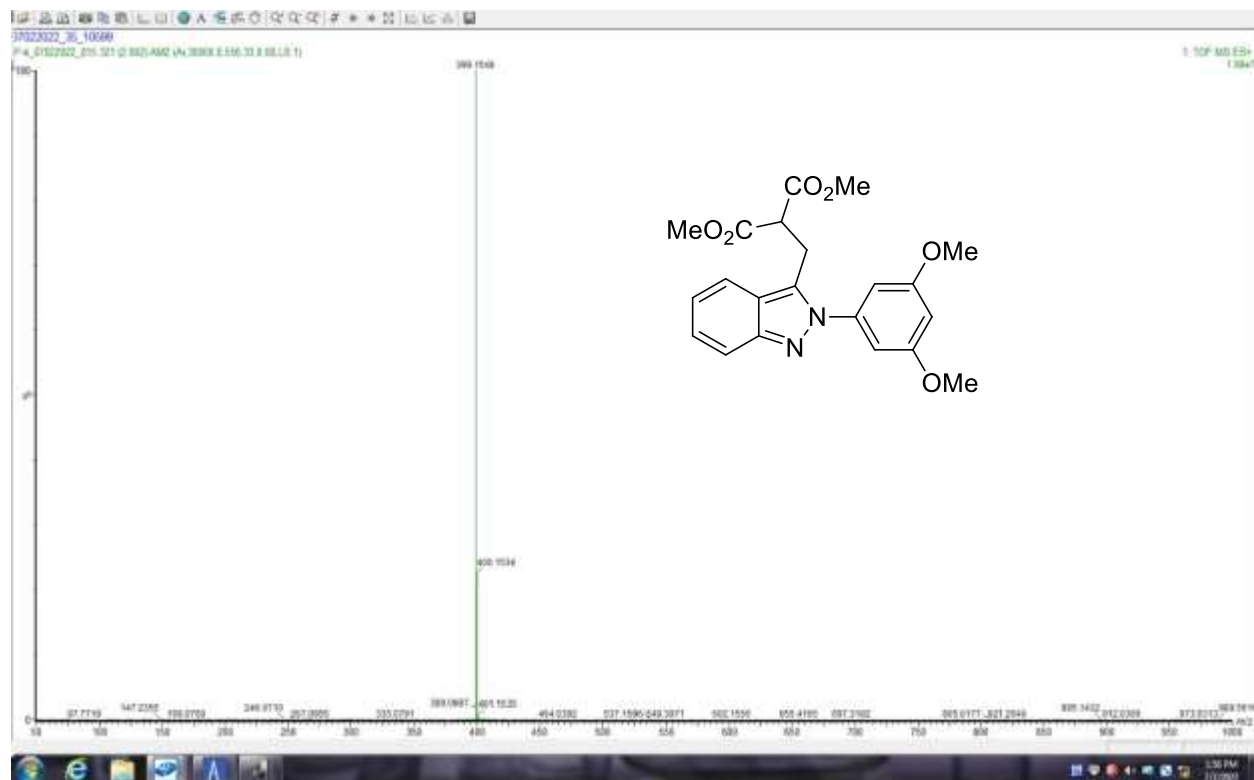
## HRMS Spectrum of **3ai**



## HRMS Spectrum of **3aj**

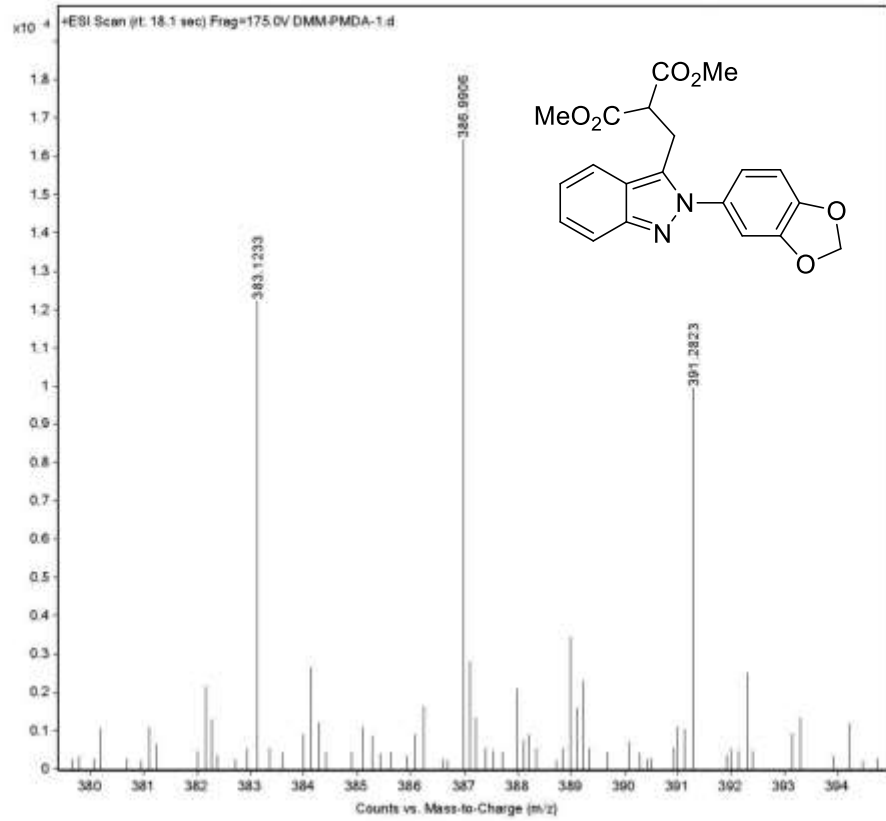


## HRMS Spectrum of **3ak**



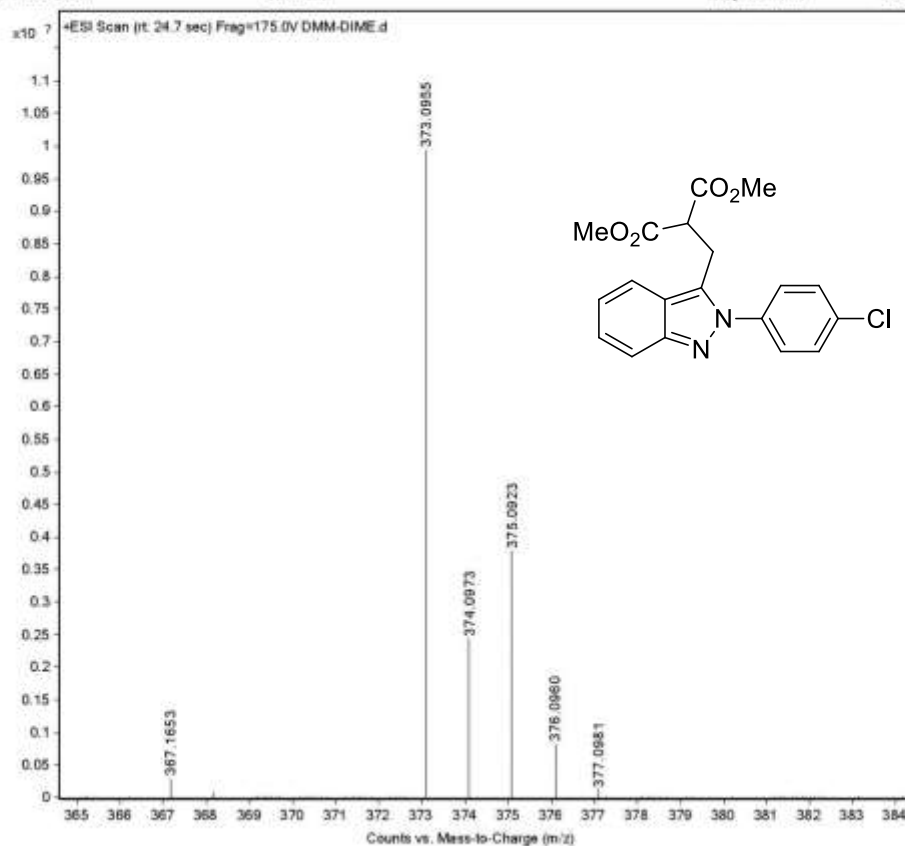
# HRMS Spectrum of 3aI

<b>Sample Name</b>	DMM-PMDA-1	<b>Position</b>	P1-A4	<b>Instrument Name</b>	Instrument 1
<b>User Name</b>		<b>Inj Vol</b>	30	<b>InjPosition</b>	
<b>Sample Type</b>	Sample	<b>IRM Calibration Status</b>	Success	<b>Data Filename</b>	DMM-PMDA-1.d
<b>ACQ Method</b>	ESI ALS 100-500.m	<b>Comment</b>		<b>Acquired Time</b>	25-08-2021 10:45:06 (UTC+05:30)



# HRMS Spectrum of **3am**

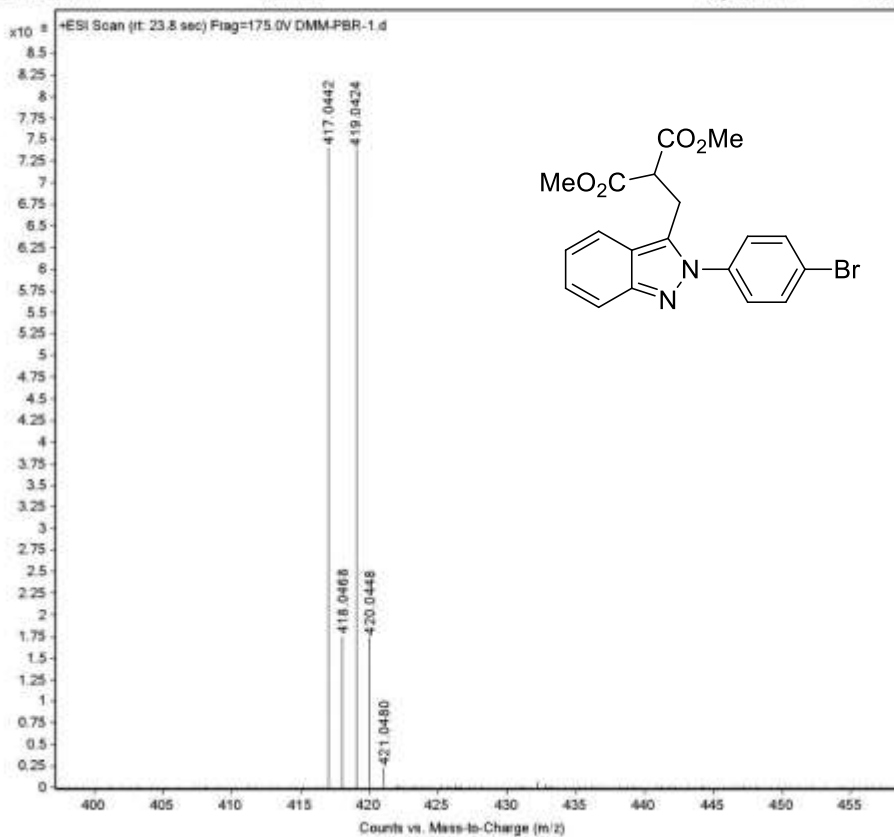
<b>Sample Name</b>	WASH	<b>Position</b>	P1-03	<b>Instrument Name</b>	Instrument 1
<b>User Name</b>		<b>Inj Vol</b>	20	<b>InjPosition</b>	
<b>Sample Type</b>	Sample	<b>IRM Calibration Status</b>	Success	<b>Data Filename</b>	DMM-DIME.d
<b>ACQ Method</b>	ESI ALS 100-500.m	<b>Comment</b>		<b>Acquired Time</b>	20-08-2021 12:29:03 (UTC+05:30)





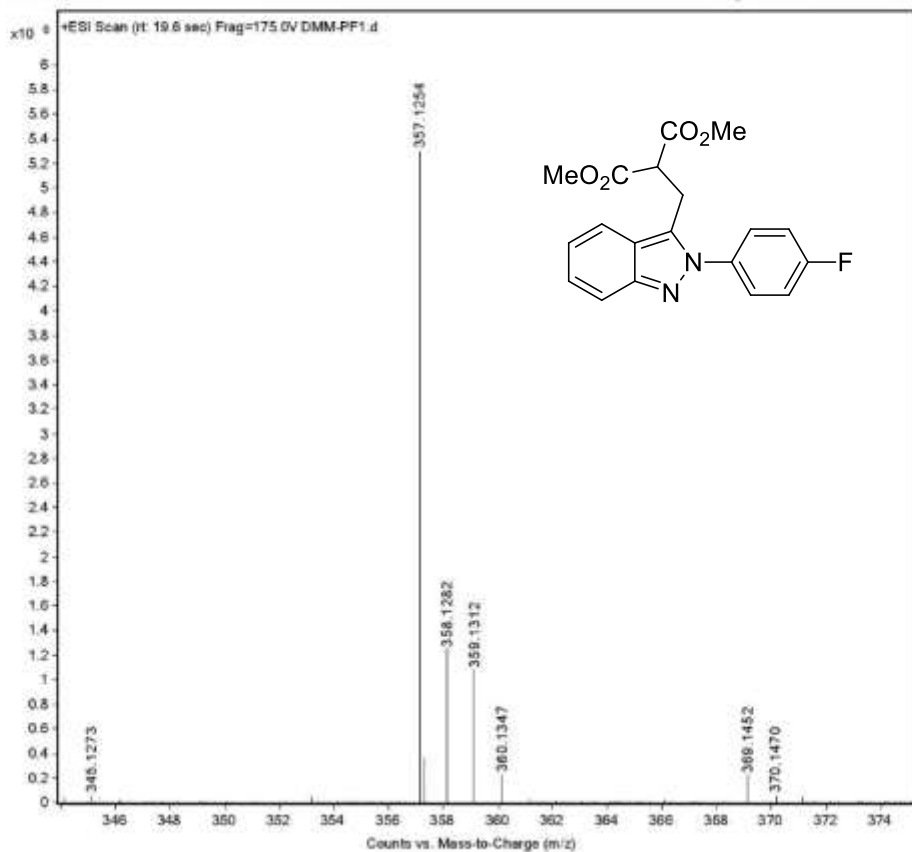
# HRMS Spectrum of 3an

<b>Sample Name</b>	DMM-PBR-1	<b>Position</b>	P1-C5	<b>Instrument Name</b>	Instrument 1
<b>User Name</b>		<b>Inj Vol</b>	20	<b>InjPosition</b>	
<b>Sample Type</b>	Sample	<b>IRM Calibration Status</b>	Success	<b>Data Filename</b>	DMM-PBR-1.d
<b>ACQ Method</b>	ESI ALS 100-1000.m	<b>Comment</b>		<b>Acquired Time</b>	24-08-2021 17:19:46 (UTC+05:30)

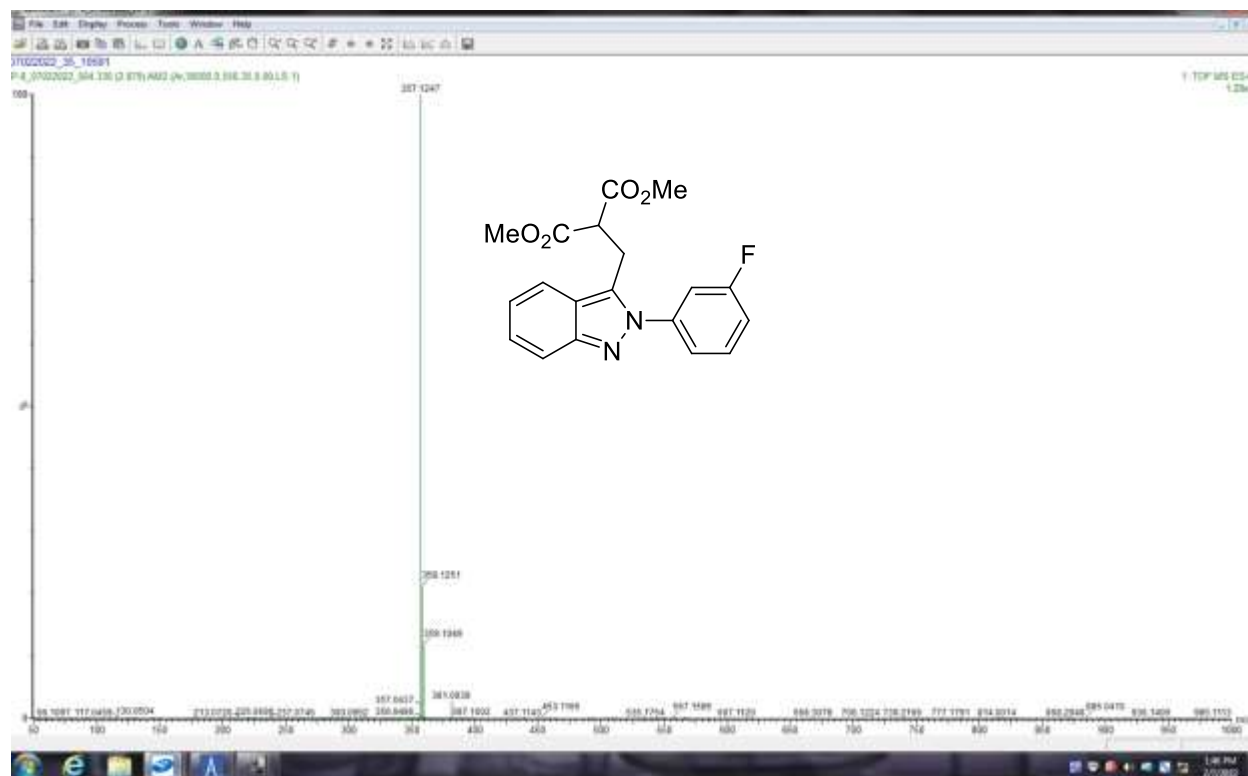


# HRMS Spectrum of 3ao

<b>Sample Name</b>	DMM-PF1	<b>Position</b>	PL-A3	<b>Instrument Name</b>	Instrument 1
<b>User Name</b>		<b>Inj Vol</b>	30	<b>InjPosition</b>	
<b>Sample Type</b>	Sample	<b>IRM Calibration Status</b>	Success	<b>Data Filename</b>	DMM-PF1.d
<b>ACQ Method</b>	ESI ALS 100-500.m	<b>Comment</b>		<b>Acquired Time</b>	25-08-2021 10:39:10 (UTC+05:30)

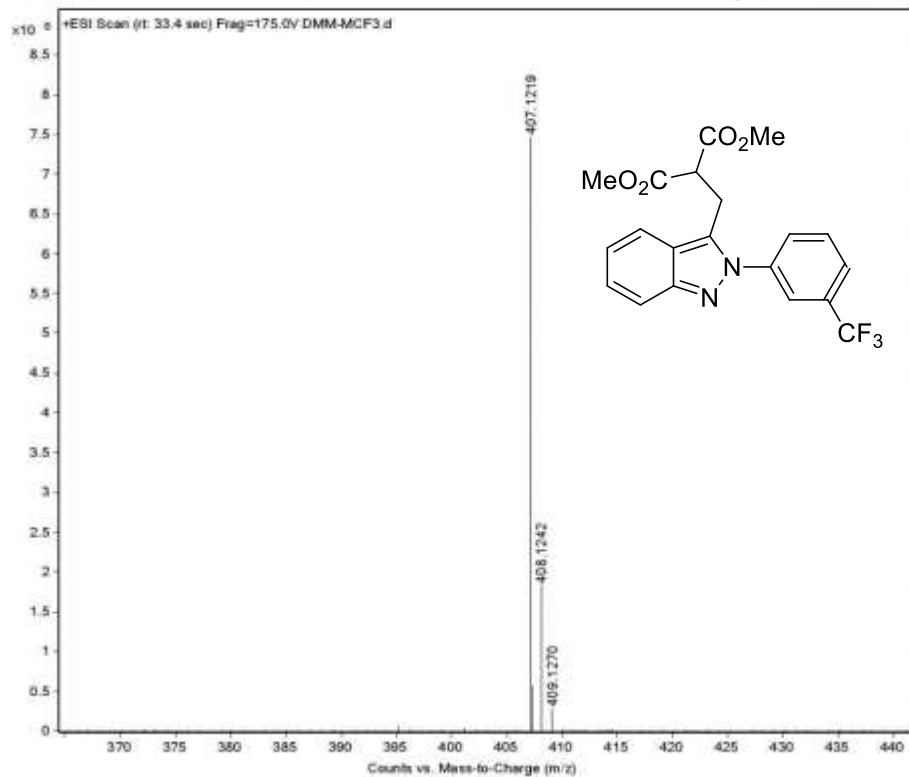


# HRMS Spectrum of 3ap



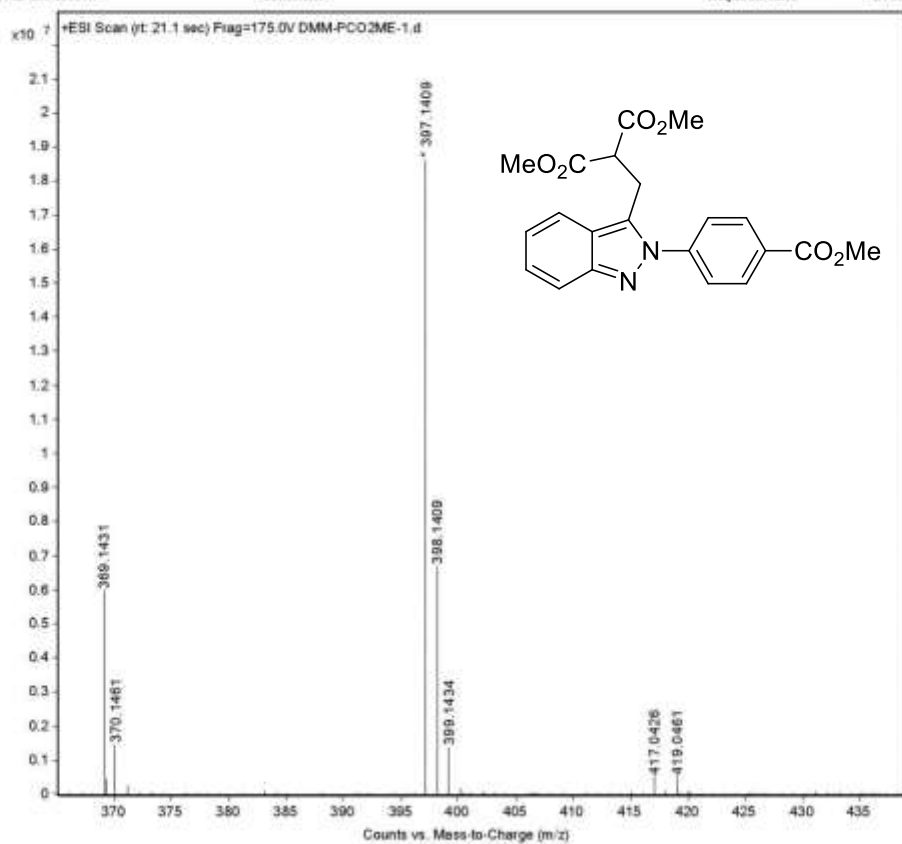
# HRMS Spectrum of 3aq

<b>Sample Name</b>	DMM-MCF3	<b>Position</b>	P1-80	<b>Instrument Name</b>	Instrument 1
<b>User Name</b>		<b>Inj Vol</b>	20	<b>InjPosition</b>	
<b>Sample Type</b>	Sample	<b>IRM Calibration Status</b>	Success	<b>Data Filename</b>	DMM-MCF3.d
<b>ACQ Method</b>	ESQ ALS 100-1000.m	<b>Comment</b>		<b>Acquired Time</b>	07-09-2021 11:39:03 (UTC+09:30)

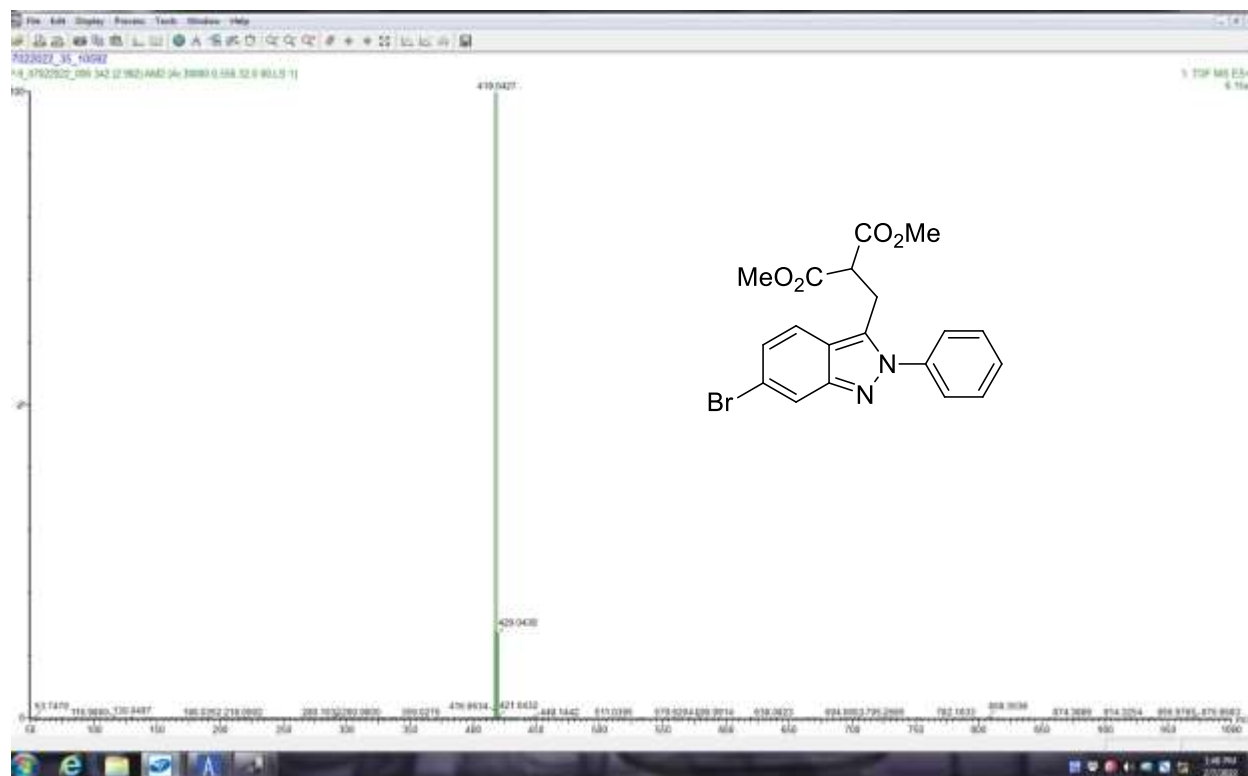


# HRMS Spectrum of 3ar

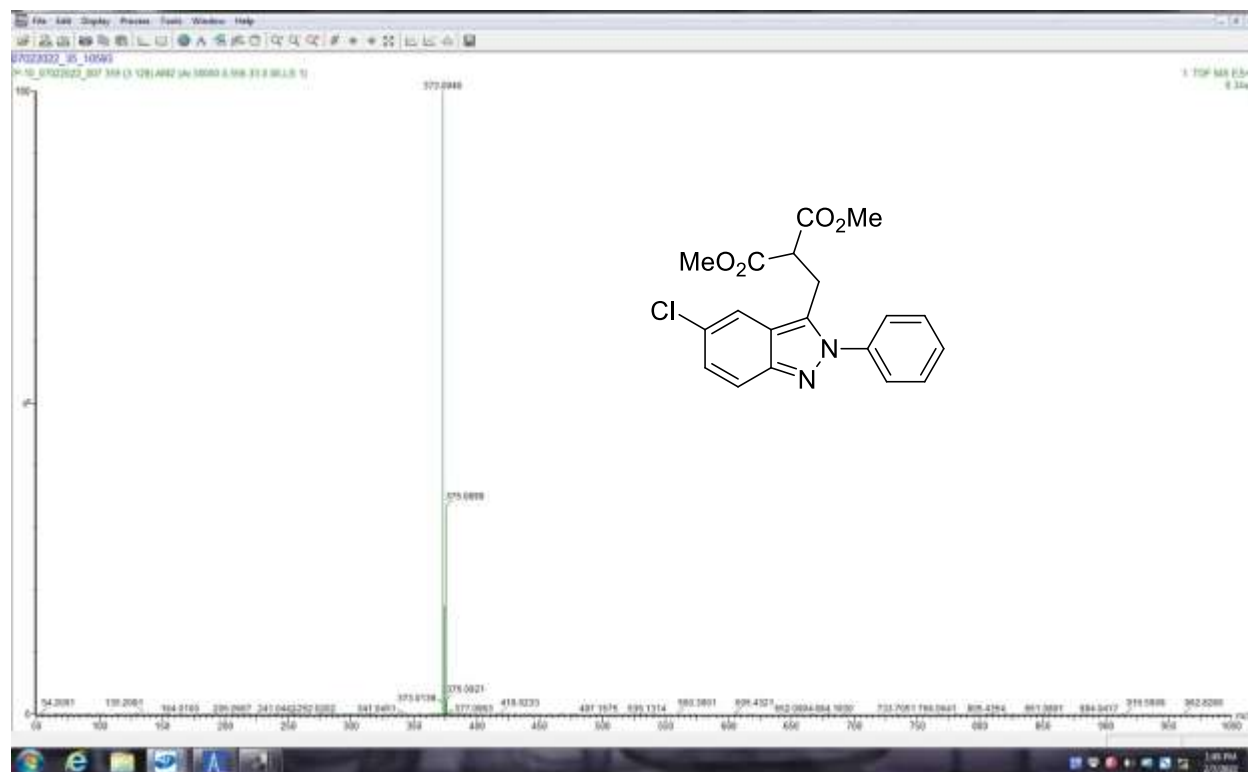
Sample Name	DMM-PCO2ME-1	Position	F1-C8	Instrument Name	Instrument 1
User Name		Inj Vol	20	InjPosition	
Sample Type	Sample	IRM Calibration Status	Success	Data Filename	DMM-PCO2ME-1.d
ACQ Method	ESI ALS 100-1000.m	Comment		Acquired Time	24-08-2021 17:31:33 (UTC+05:30)



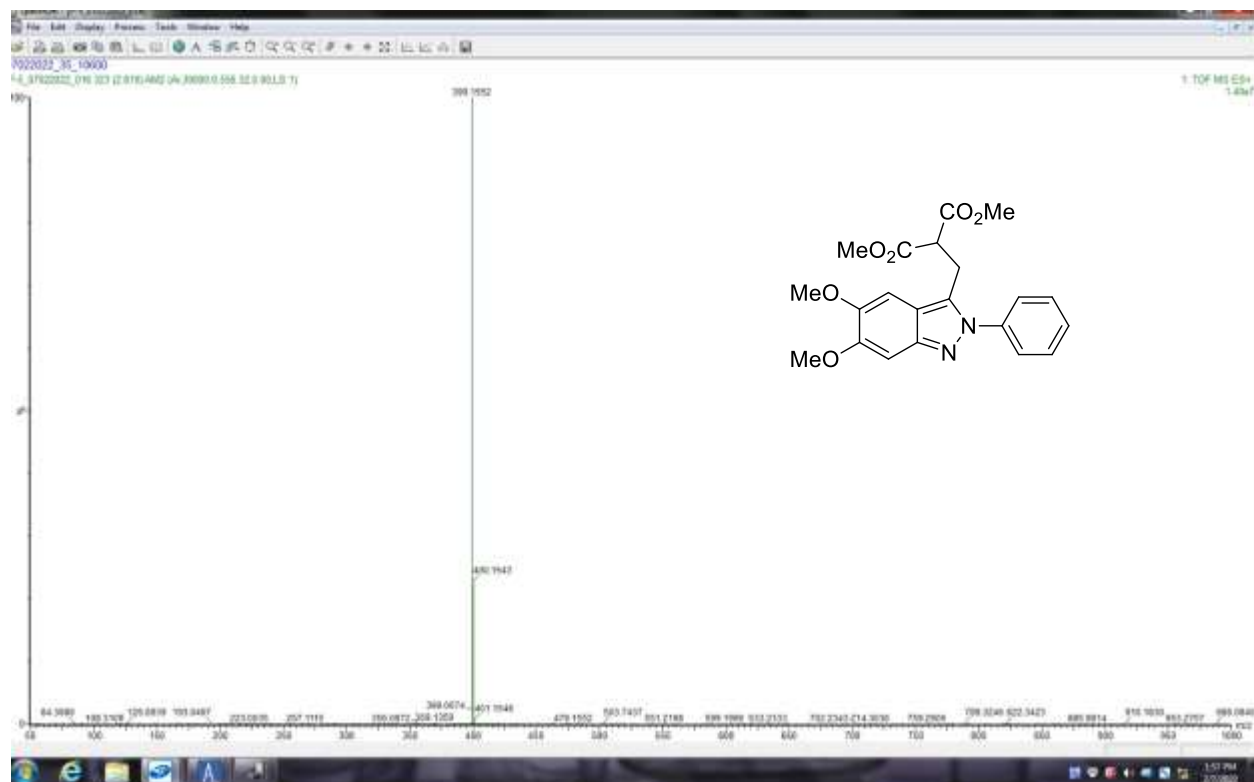
## HRMS Spectrum of **3ba**



# HRMS Spectrum of 3ca

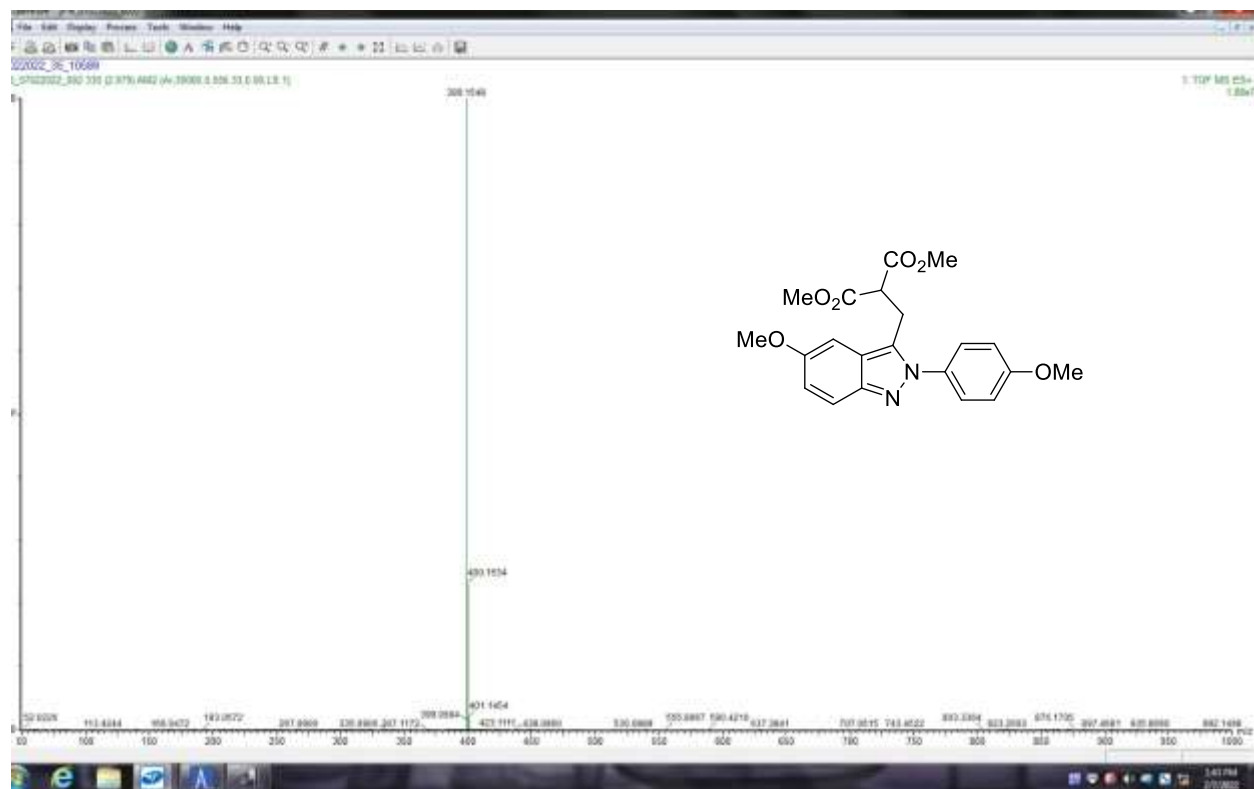


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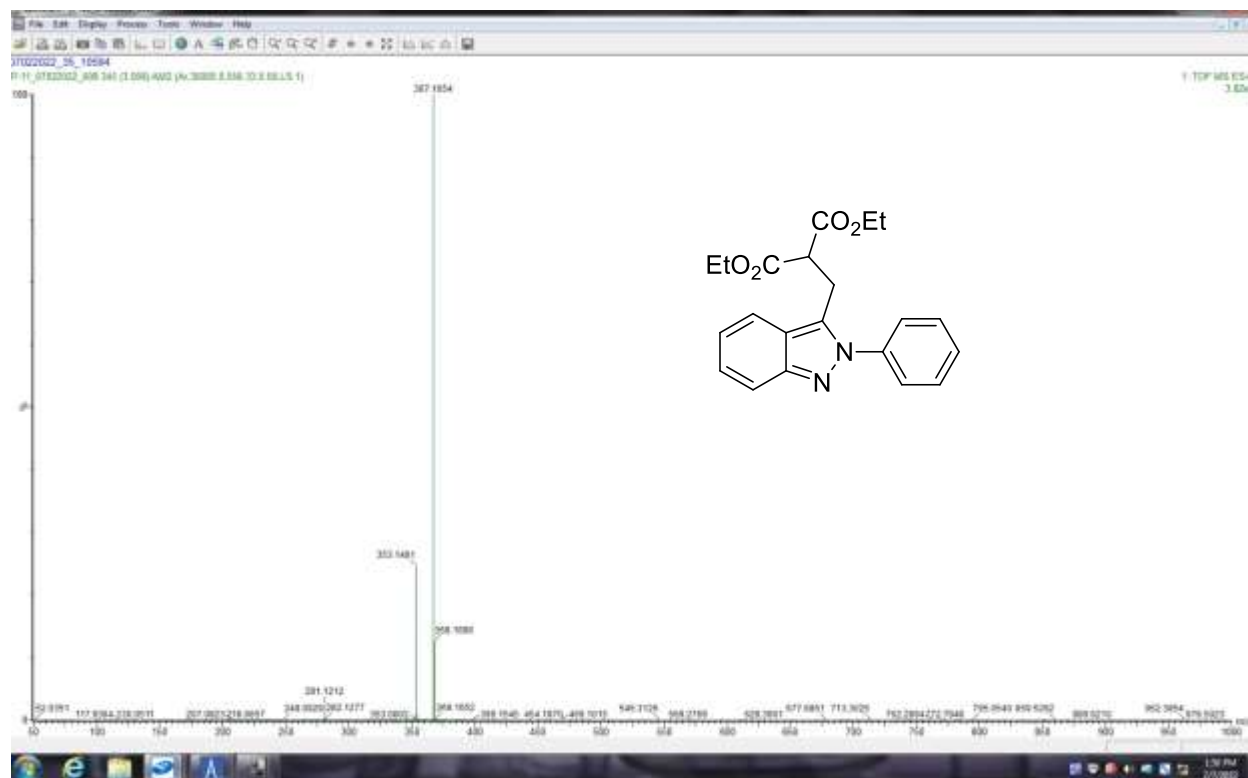




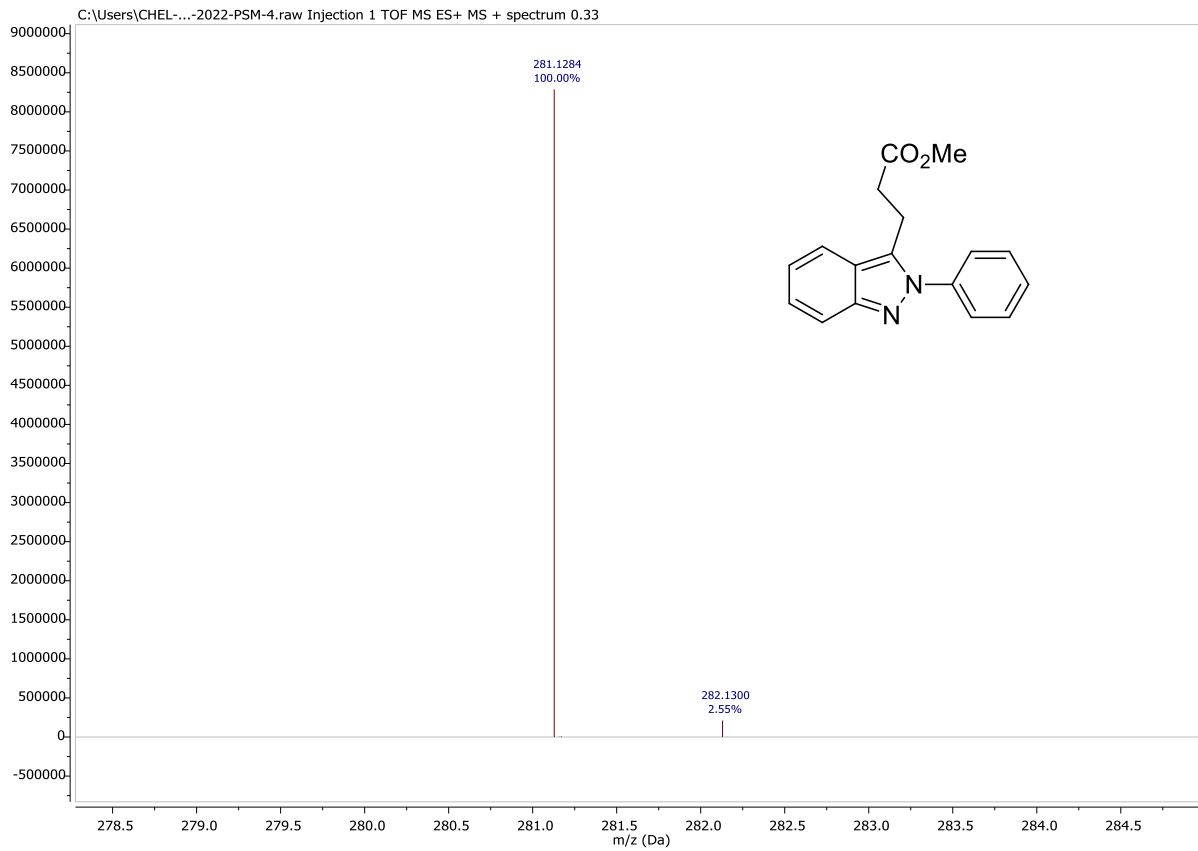
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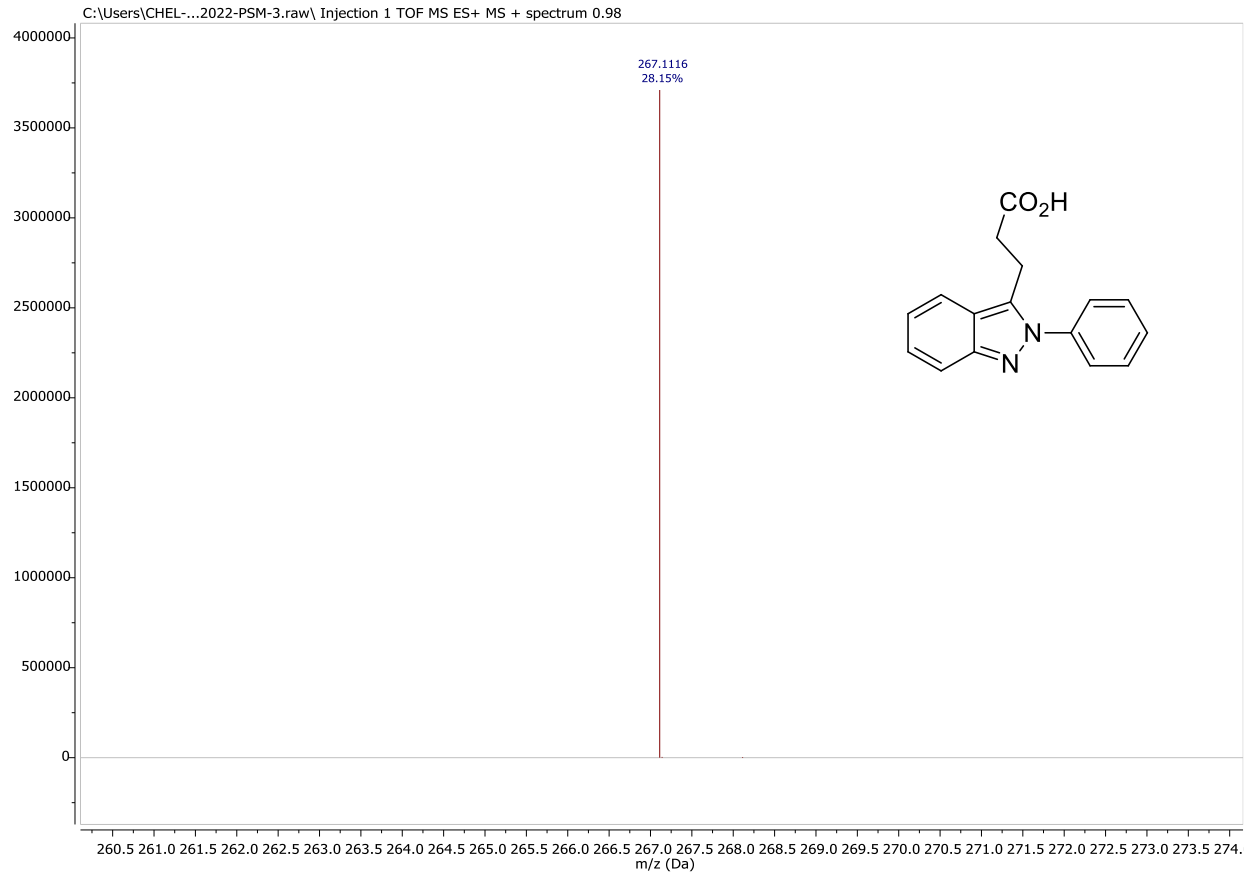
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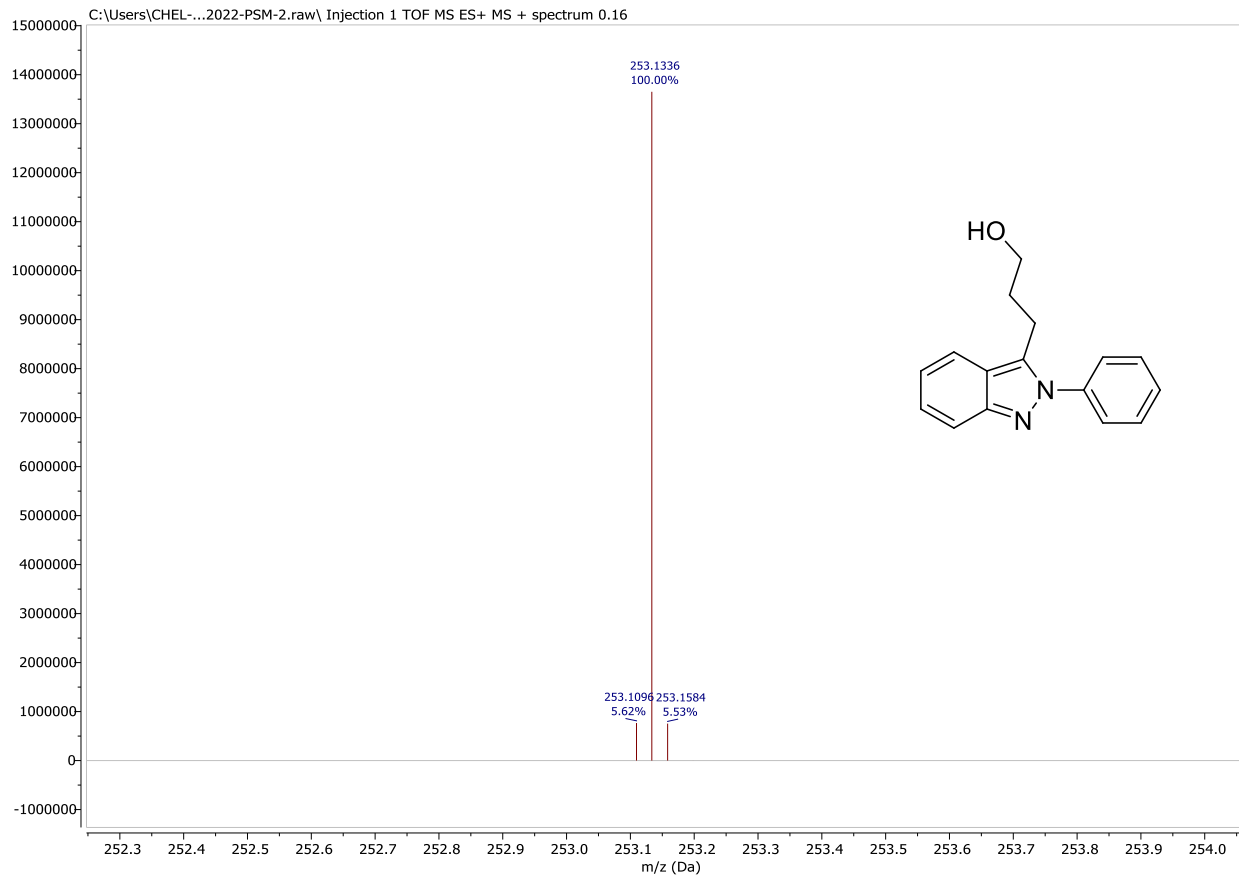
# HRMS Spectrum of 4



# HRMS Spectrum of **5**



# HRMS Spectrum of **6**



# HRMS Spectrum of 7

