

Supporting Information

Stereoselective Synthesis of *O*-Tosyl Azabicyclic Derivatives via Aza Prins

Reaction of Endocyclic *N*-Acyliminium Ions: Application to the Total

Synthesis of (\pm)-*epi*-Indolizidine 167B and 209D

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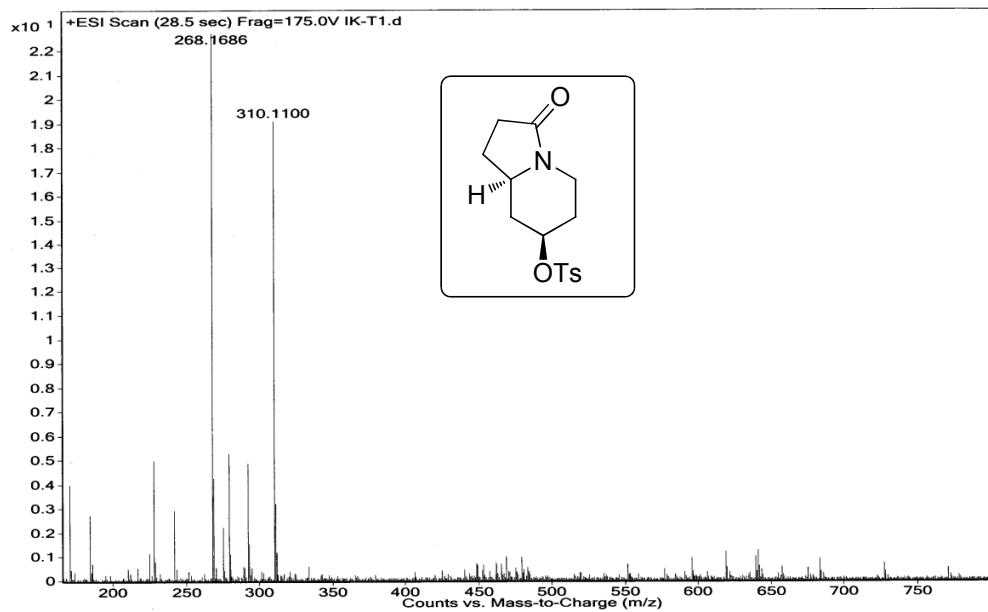
HRMS Spectra

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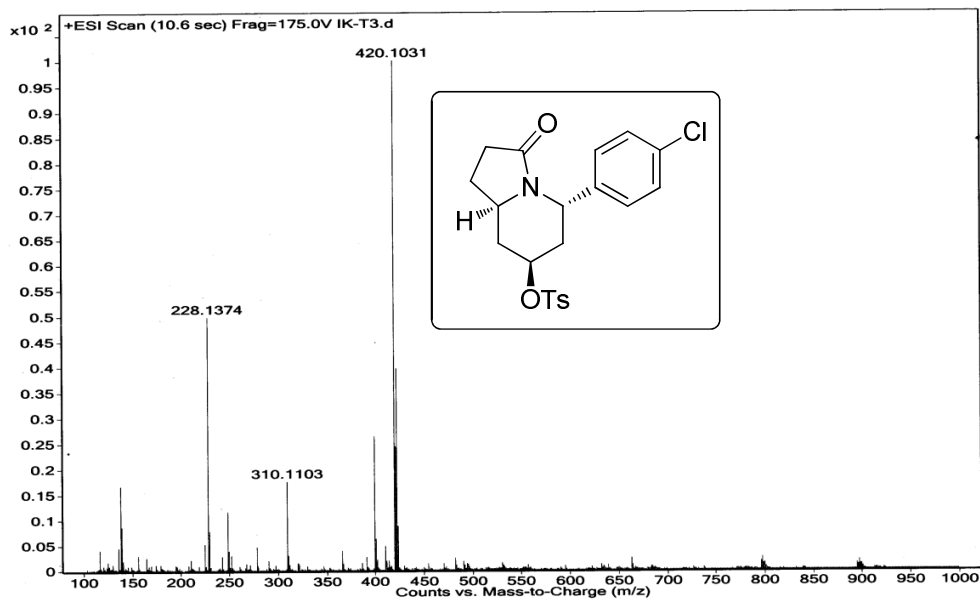
HRMS of compound **6a**

Sample Name	IK-T1	Position	-1	Instrument Name	Instrument 1	User Name	
Inj Vol	-10	InjPosition		SampleType	Sample	IRM Calibration Status	Success
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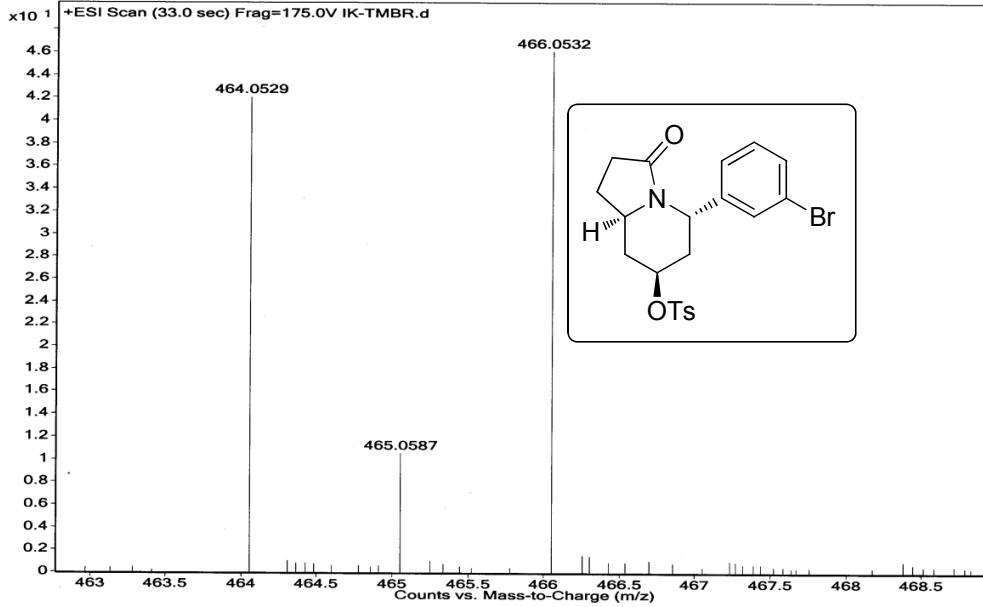
HRMS of compound **6b**

Sample Name	IK-T3	Position	-1	Instrument Name	Instrument 1	User Name	
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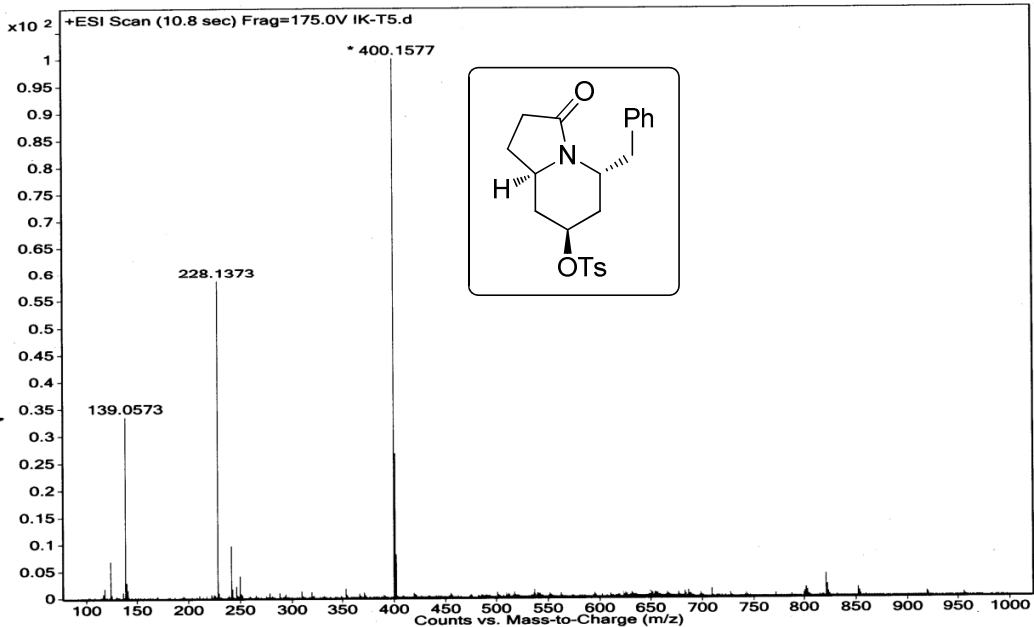
HRMS of compound 6c

Sample Name	IK-TMBR	Position	-1	Instrument Name	Instrument 1	User Name	
Inj Vol	-10	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	IK-TMBR.d	ACQ Method		Comment		Acquired Time	4/11/2014 3:20:25 PM



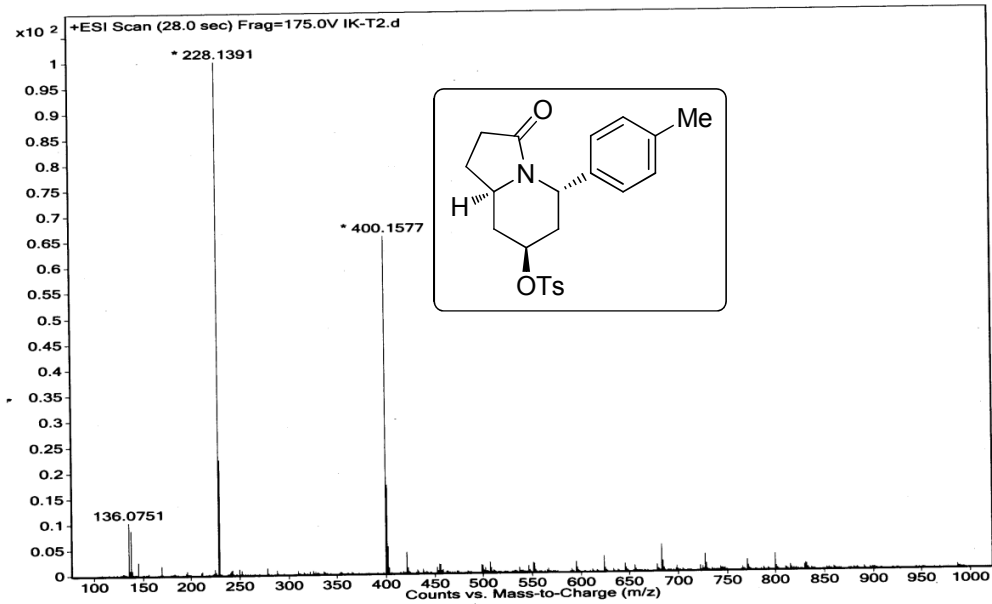
HRMS of compound 6d

Sample Name	IK-T5	Position	-1	Instrument Name	Instrument 1	User Name	
Inj Vol	-10	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	IK-T5.d	ACQ Method		Comment		Acquired Time	2/13/2014 11:58:54 AM



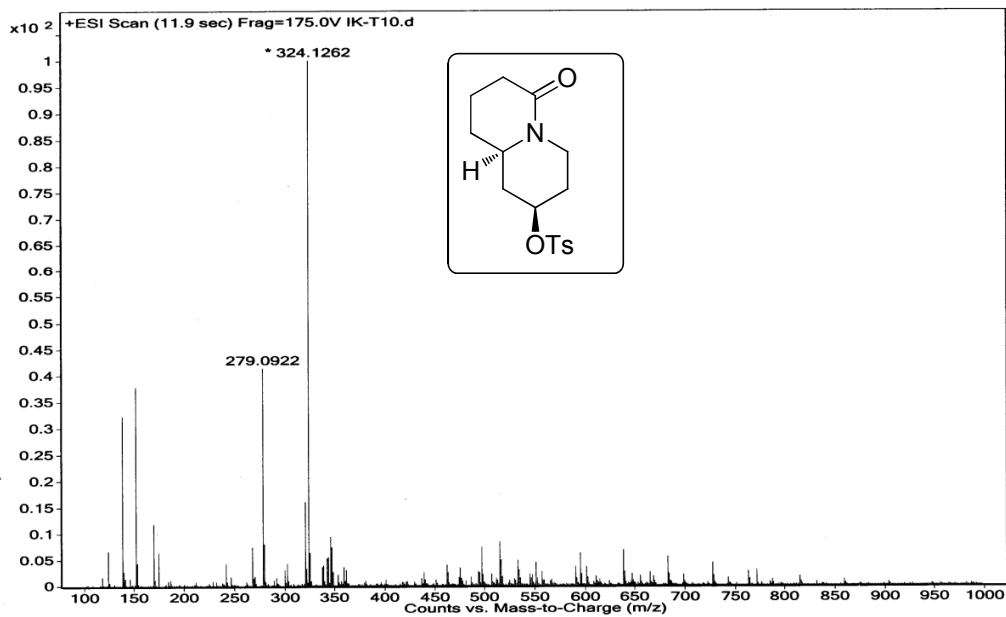
HRMS of compound **6e**

Sample Name	IK-T2	Position	-1	Instrument Name	Instrument 1	User Name	
Inj Vol	-10	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	IK-T2.d	ACQ Method		Comment		Acquired Time	2/13/2014 11:55:30 AM



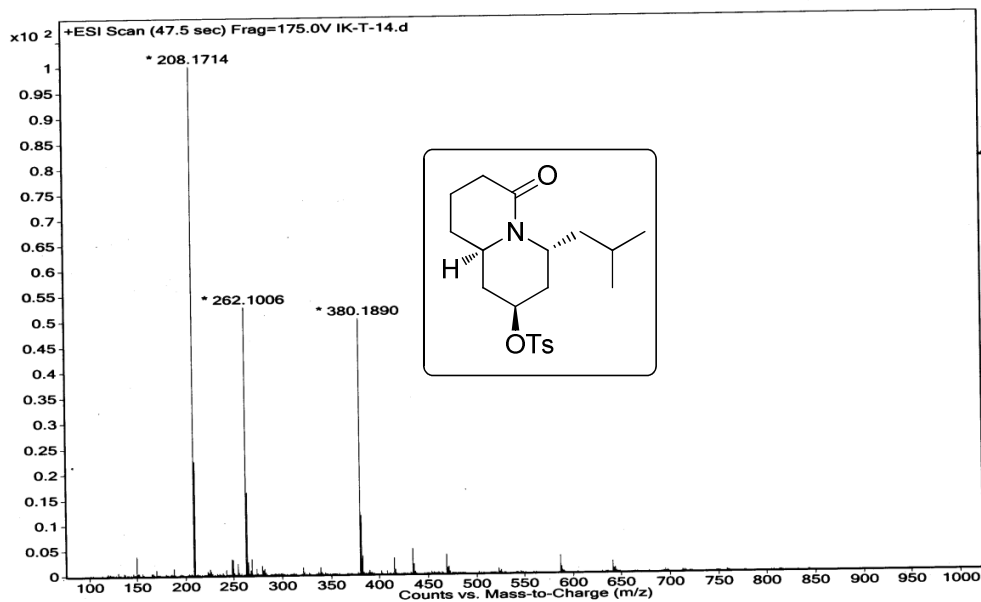
HRMS of compound **6g**

Sample Name	IK-T10	Position	-1	Instrument Name	Instrument 1	User Name	
Inj Vol	-10	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	IK-T10.d	ACQ Method		Comment		Acquired Time	2/13/2014 12:07:12 PM



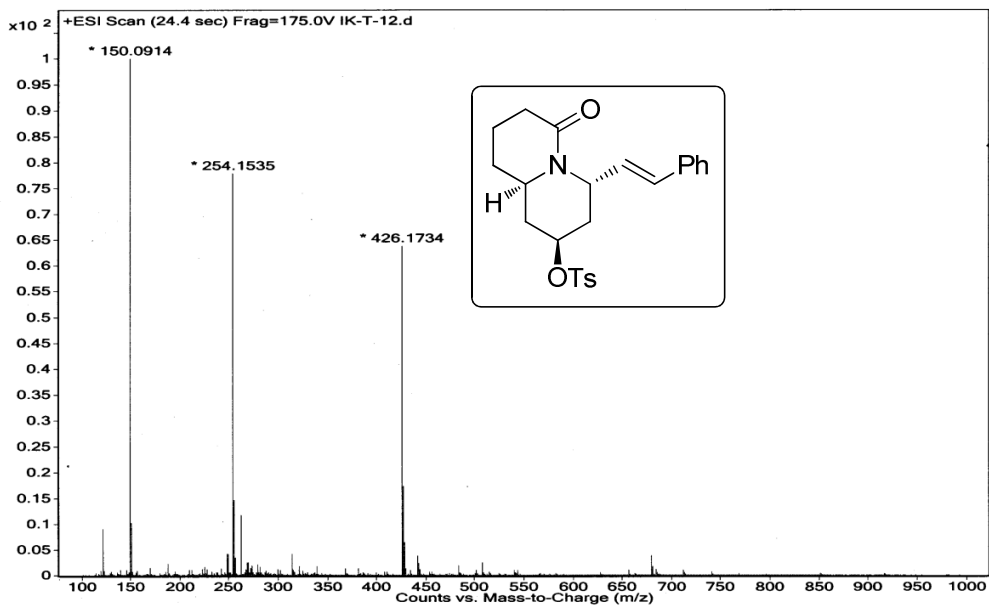
HRMS of compound 6h

Sample Name	IK-T-14	Position	-1	Instrument Name	Instrument 1	User Name	
Inj Vol	-10	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	IK-T-14.d	ACQ Method		Comment		Acquired Time	2/21/2014 11:49:42 AM



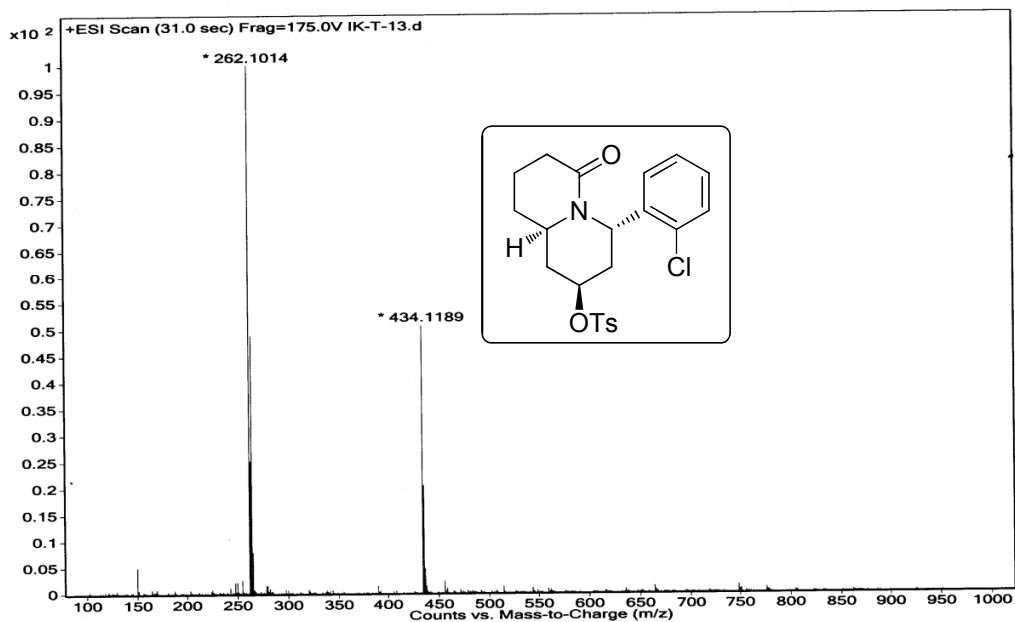
HRMS of compound 6i

Sample Name	IK-T-12	Position	-1	Instrument Name	Instrument 1	User Name	
Inj Vol	-10	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	IK-T-12.d	ACQ Method		Comment		Acquired Time	2/21/2014 11:46:56 AM



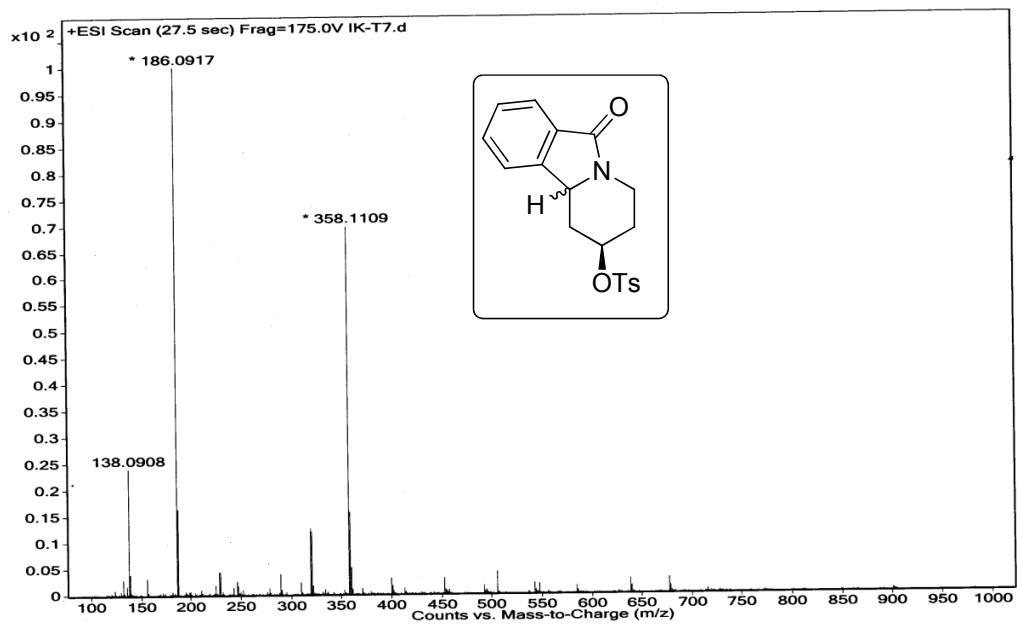
HRMS of compound 6j

Sample Name	IK-T-13	Position	-1	Instrument Name	Instrument 1	User Name	
Inj Vol	-10	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	IK-T-13.d	ACQ Method		Comment		Acquired Time	2/21/2014 11:48:17 AM



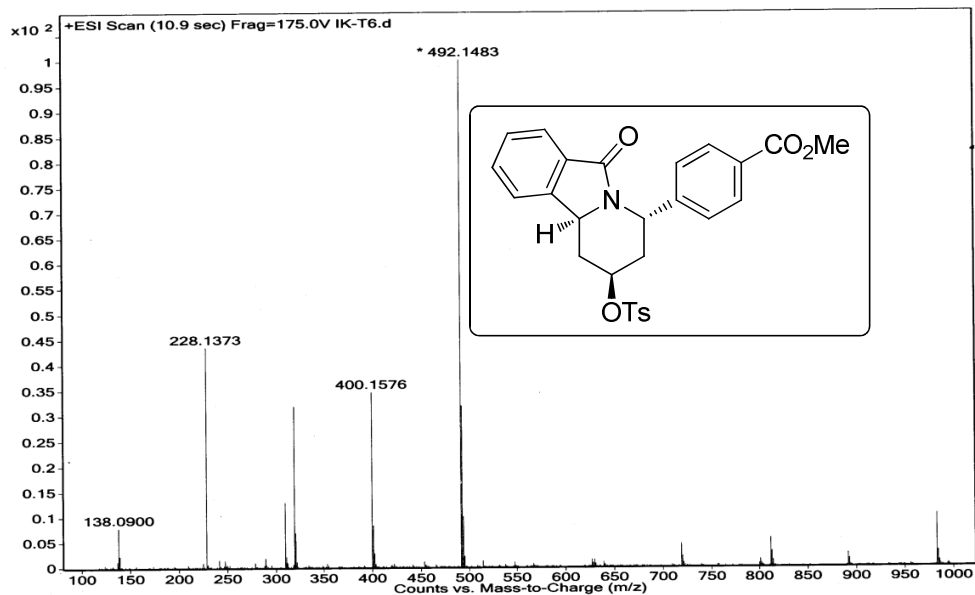
HRMS of compound 6k

Sample Name	IK-T7	Position	-1	Instrument Name	Instrument 1	User Name	
Inj Vol	-10	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	IK-T7.d	ACQ Method		Comment		Acquired Time	2/13/2014 12:02:13 PM



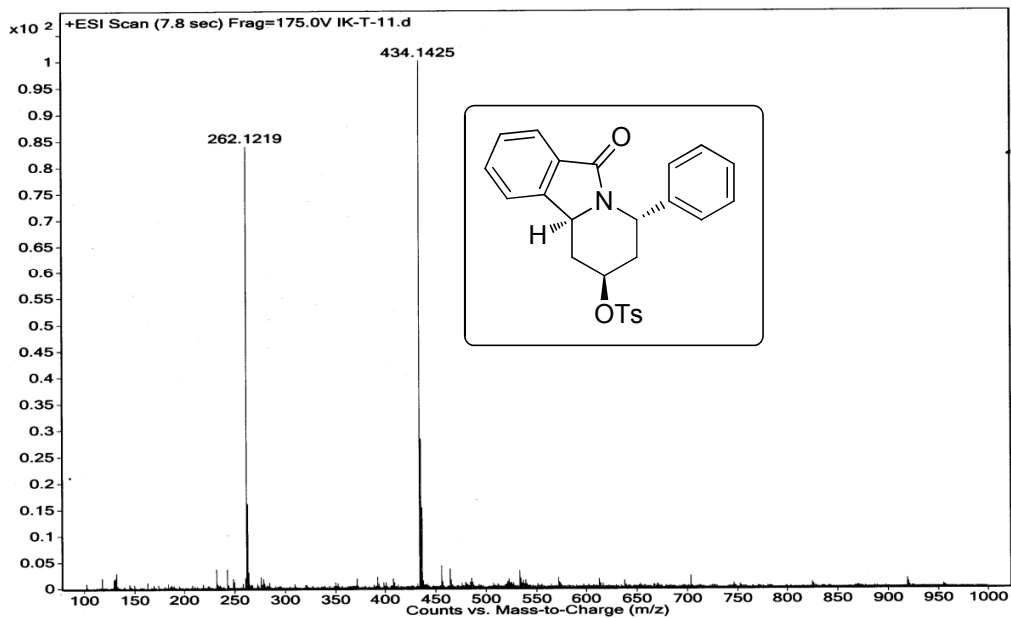
HRMS of compound 6l

Sample Name	IK-T6	Position	-1	Instrument Name	Instrument 1	User Name	
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Data Filename	IK-T6.d	ACQ Method		Comment		Acquired Time	2/13/2014 12:00:34 PM



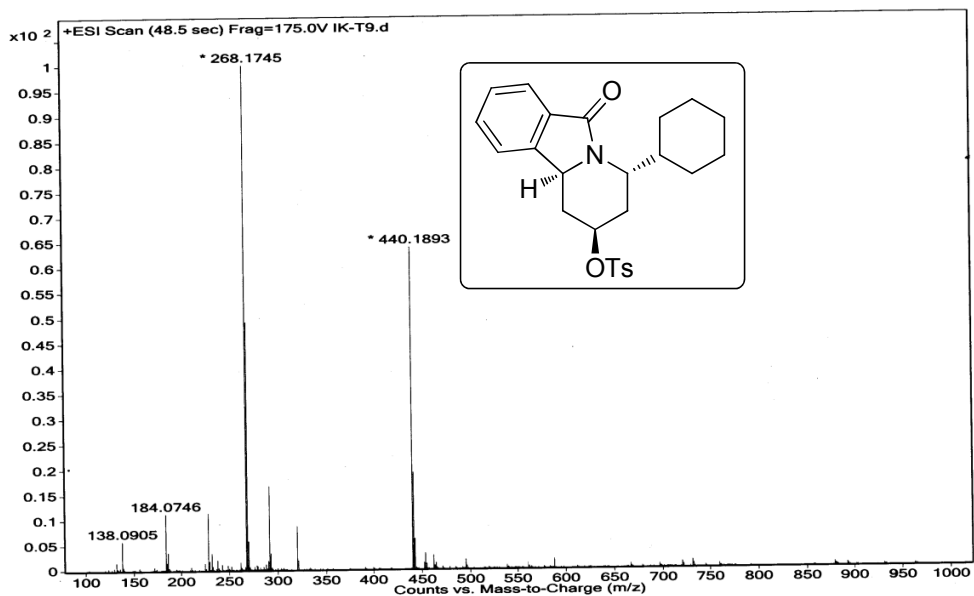
HRMS of compound 6m

Sample Name	IK-T-11	Position	-1	Instrument Name	Instrument 1	User Name	
Inj Vol	-10	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	IK-T-11.d	ACQ Method		Comment		Acquired Time	2/21/2014 11:45:32 AM



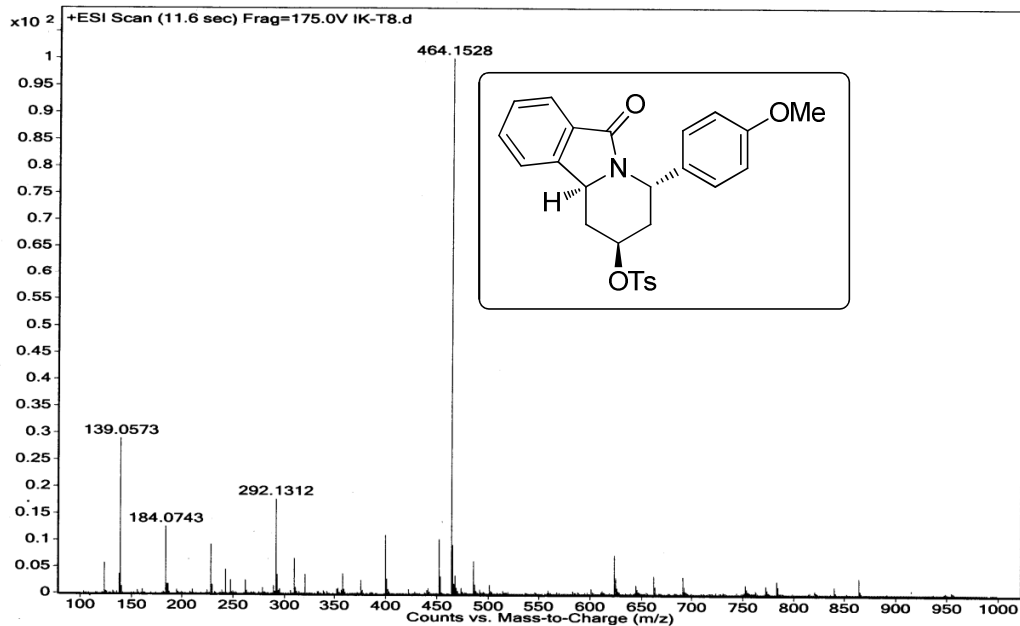
HRMS of compound 6n

Sample Name IK-T9	Position -1	Instrument Name Instrument 1	User Name
Inj Vol -10	InjPosition	SampleType Sample	IRM Calibration Status Success
Data Filename IK-T9.d	ACQ Method	Comment	Acquired Time 2/13/2014 12:05:38 PM



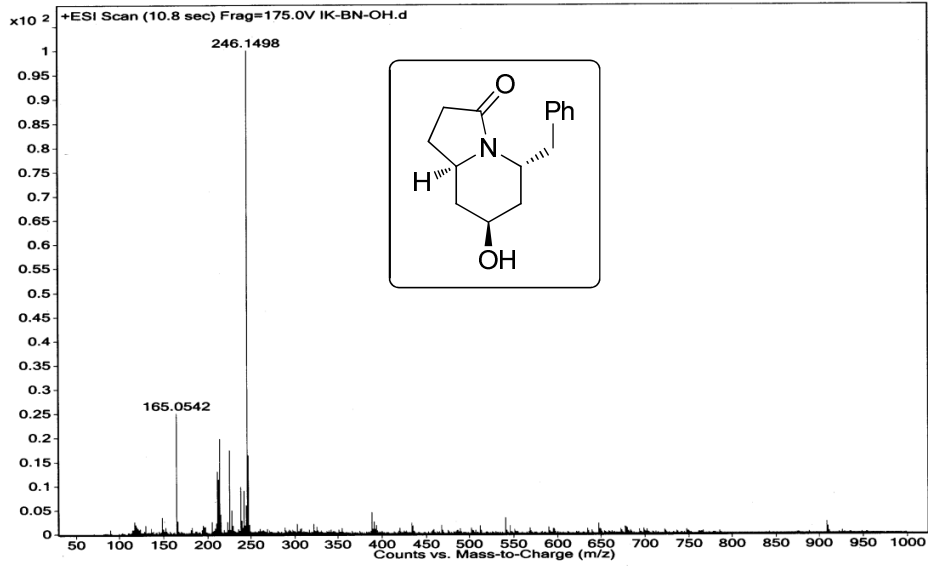
HRMS of compound 6o

Sample Name IK-T8	Position -1	Instrument Name Instrument 1	User Name
Inj Vol -10	InjPosition	SampleType Sample	IRM Calibration Status Success
Data Filename IK-T8.d	ACQ Method	Comment	Acquired Time 2/13/2014 12:03:53 PM



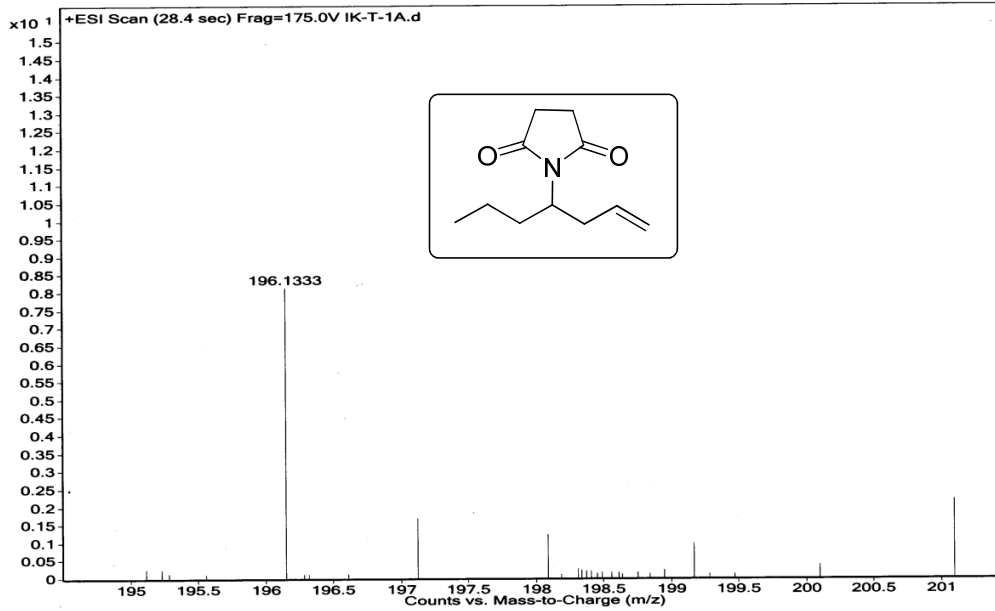
HRMS of compound 6d'

Sample Name	IK-BN-OH	Position	-1	Instrument Name	Instrument 1	User Name	
Inj Vol	-10	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	IK-BN-OH.d	ACQ Method		Comment		Acquired Time	4/29/2014 3:33:05 PM



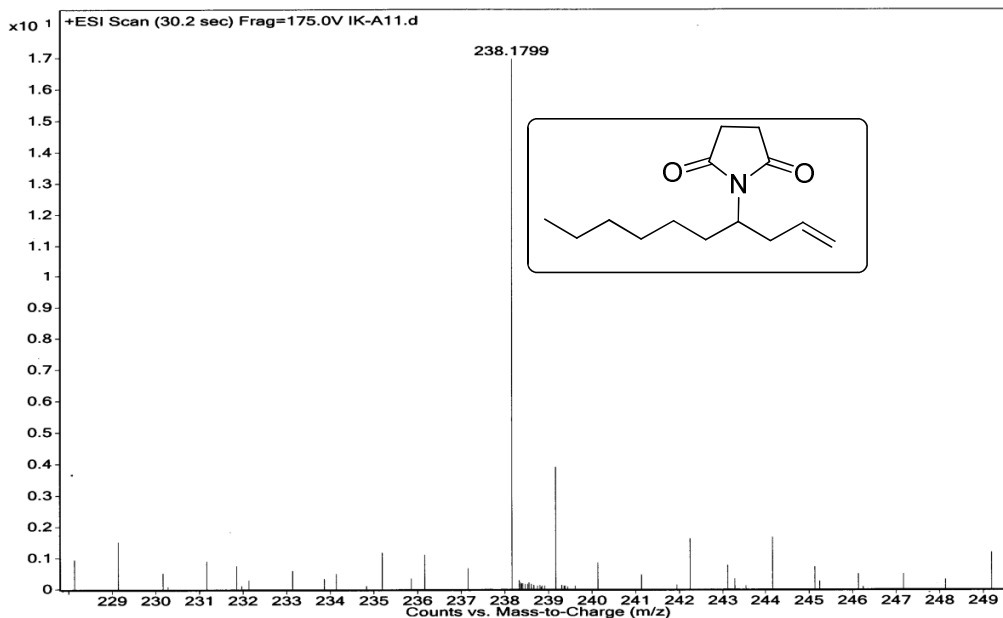
HRMS of compound 9p

Sample Name	IK-T-1A	Position	-1	Instrument Name	Instrument 1	User Name	
Inj Vol	-10	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	IK-T-1A.d	ACQ Method		Comment		Acquired Time	2/24/2014 3:59:55 PM



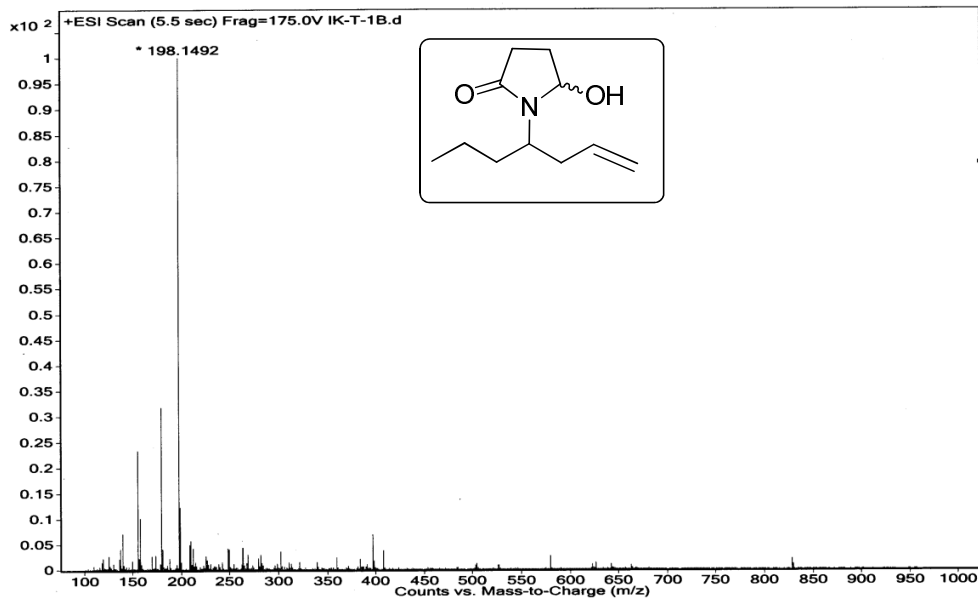
HRMS of compound 9q

Sample Name	IK-A11	Position	-1	Instrument Name	Instrument 1	User Name	
Inj Vol	-10	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	IK-A11.d	ACQ Method		Comment		Acquired Time	4/17/2014 12:25:44 PM



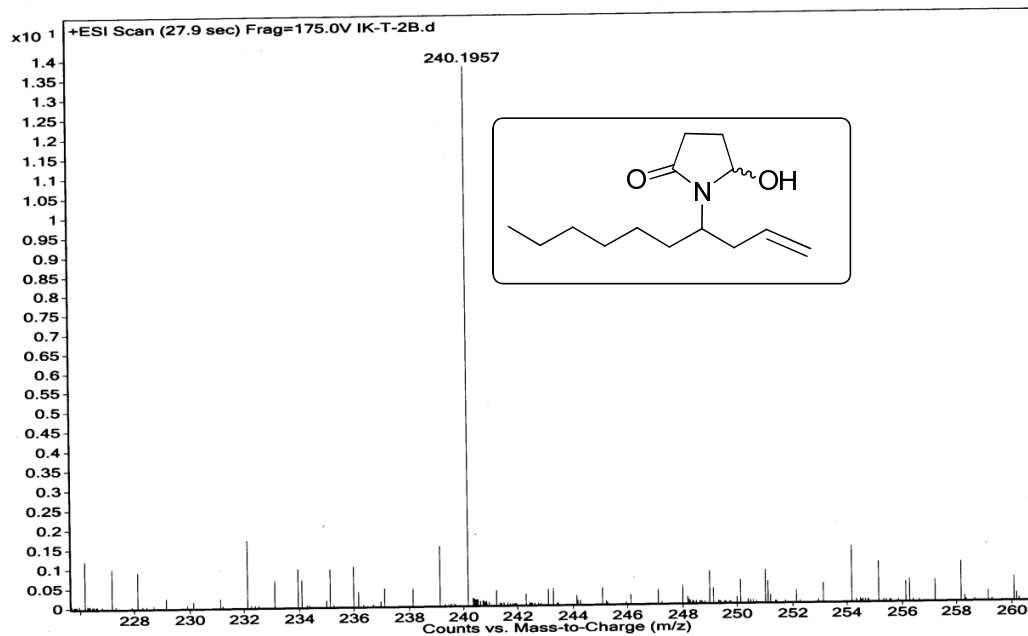
HRMS of compound 5p

Sample Name	IK-T-1B	Position	-1	Instrument Name	Instrument 1	User Name	
Inj Vol	-10	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	IK-T-1B.d	ACQ Method		Comment		Acquired Time	2/24/2014 4:01:28 PM



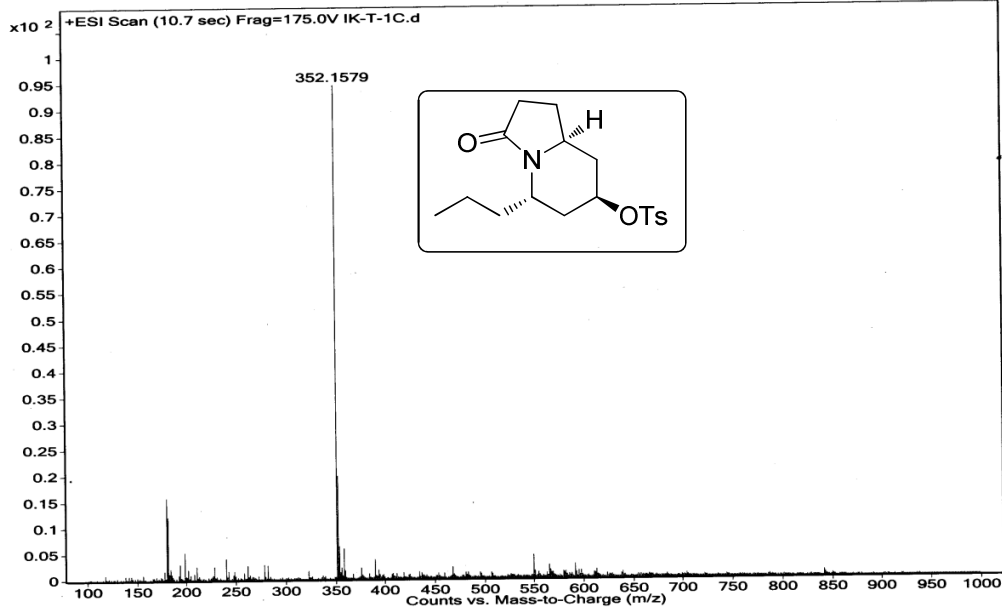
HRMS of compound 5q

Sample Name	IK-T-2B	Position	-1	Instrument Name	Instrument 1	User Name	
Inj Vol	-10	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	IK-T-2B.d	ACQ Method		Comment		Acquired Time	2/24/2014 4:06:38 PM



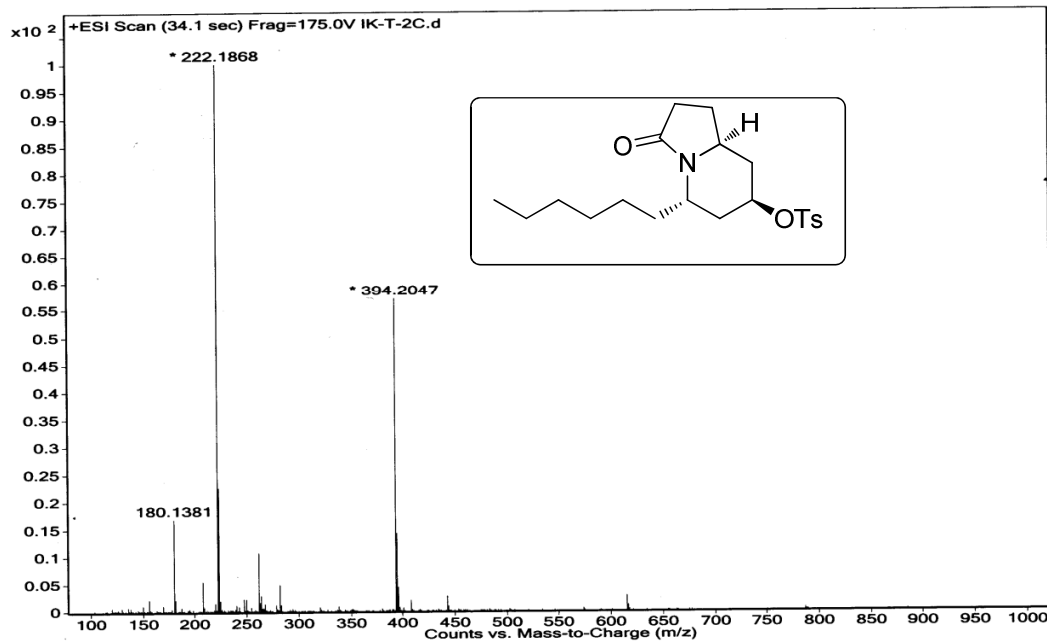
HRMS of compound 6p

Sample Name	IK-T-1C	Position	-1	Instrument Name	Instrument 1	User Name	
Inj Vol	-10	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	IK-T-1C.d	ACQ Method		Comment		Acquired Time	2/24/2014 4:02:51 PM



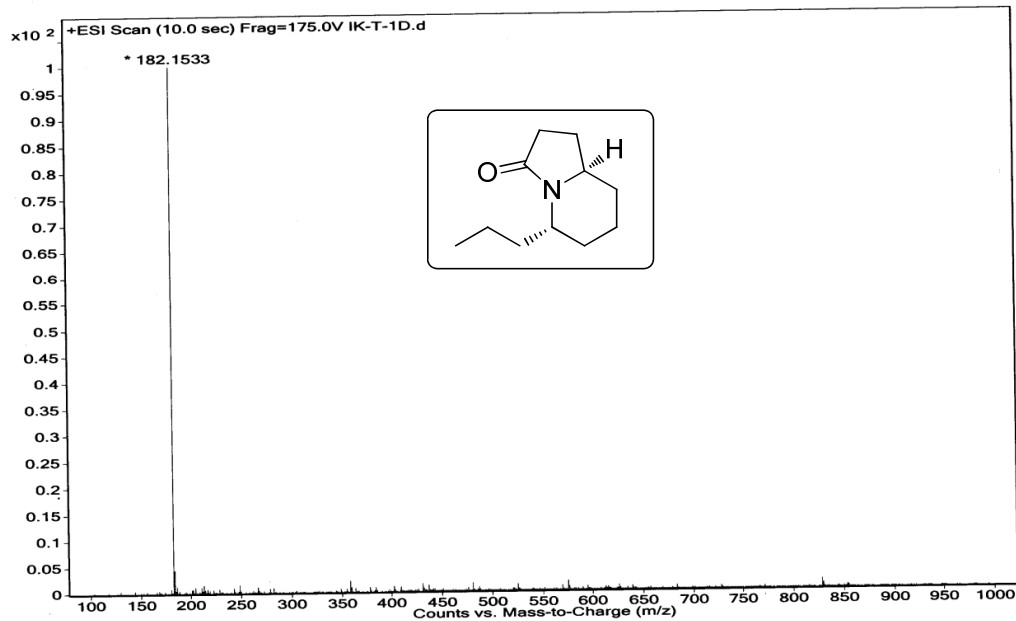
HRMS of compound 6q

Sample Name	IK-T-2C	Position	-1	Instrument Name	Instrument 1	User Name	
Inj Vol	-10	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	IK-T-2C.d	ACQ Method		Comment		Acquired Time	2/24/2014 4:08:11 PM



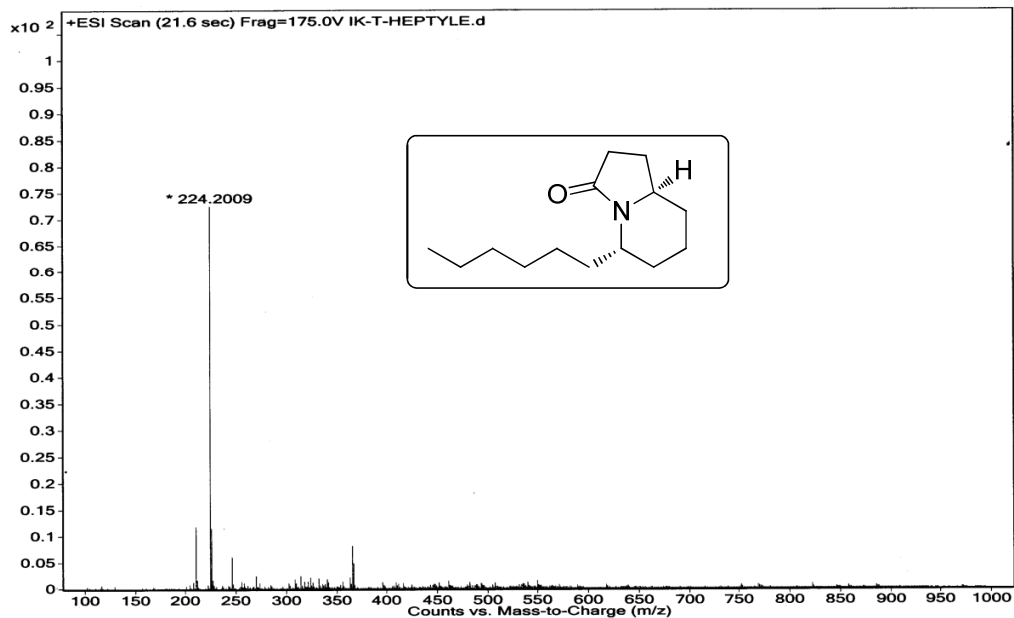
HRMS of compound 10p

Sample Name	IK-T-1D	Position	-1	Instrument Name	Instrument 1	User Name	
Inj Vol	-10	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	IK-T-1D.d	ACQ Method		Comment		Acquired Time	2/24/2014 4:09:55 PM



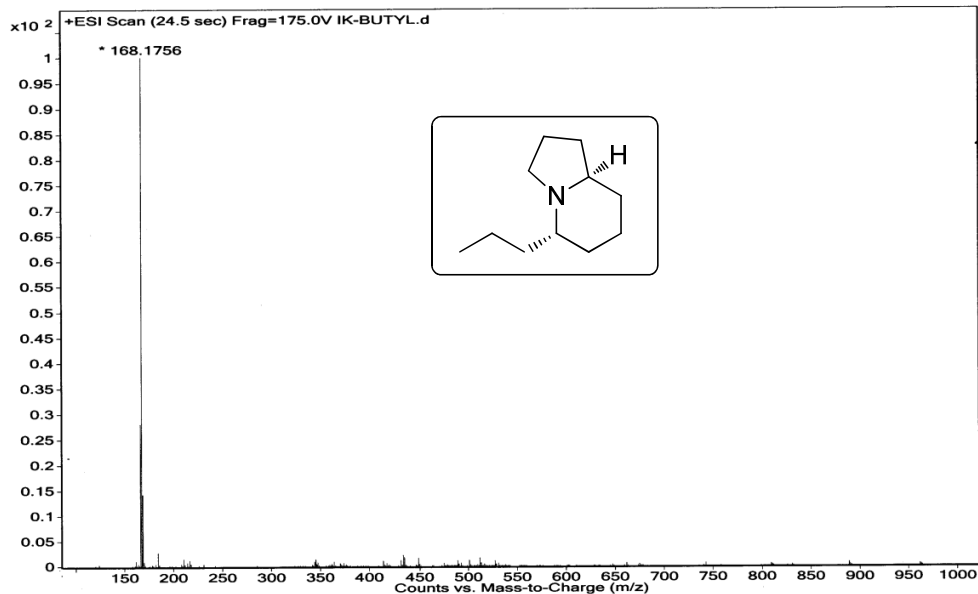
HRMS of compound 10q

Sample Name	IK-T-HEPTYLE	Position	-1	Instrument Name	Instrument 1	User Name	
Inj Vol	-10	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	IK-T-HEPTYLE.d	ACQ Method		Comment		Acquired Time	3/28/2014 11:35:50 AM



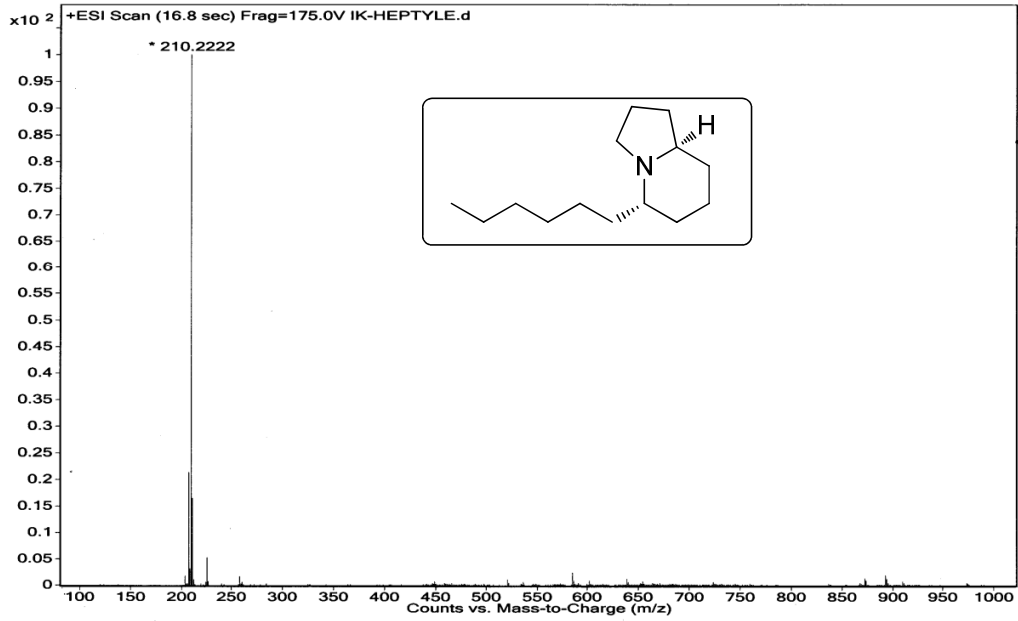
HRMS of compound epi-3p

Sample Name	IK-BUTYL	Position	-1	Instrument Name	Instrument 1	User Name	
Inj Vol	-10	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	IK-BUTYL.d	ACQ Method		Comment		Acquired Time	3/28/2014 11:41:08 AM



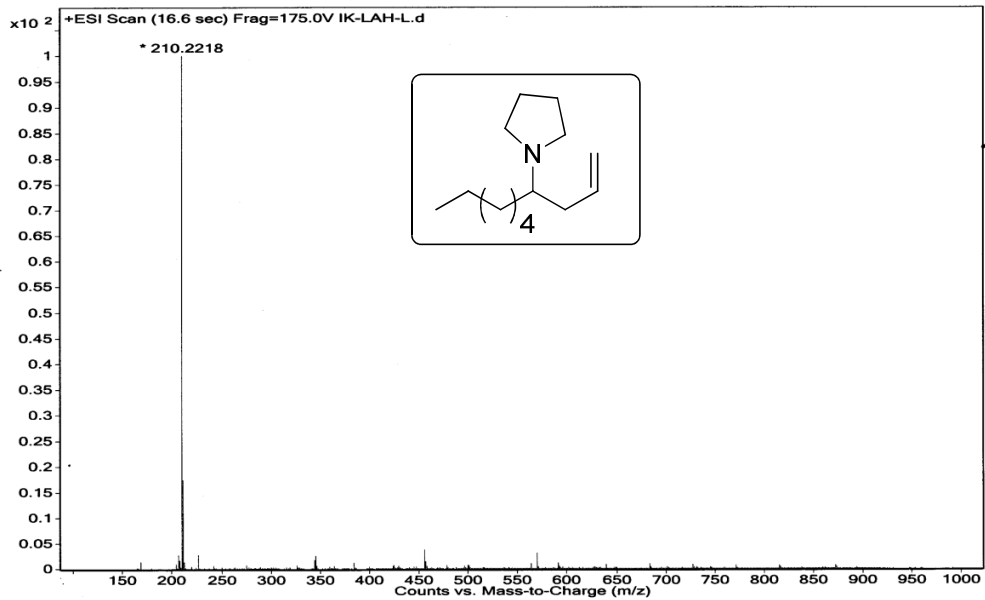
HRMS of compound *epi-3q*

Sample Name	IK-HEPTYLE	Position	-1	Instrument Name	Instrument 1	User Name	
Inj Vol	-10	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	IK-HEPTYLE.d	ACQ Method		Comment		Acquired Time	3/28/2014 11:38:02 AM



HRMS of compound 11

Sample Name	IK-LAH-L	Position	-1	Instrument Name	Instrument 1	User Name	
Inj Vol	-10	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	IK-LAH-L.d	ACQ Method		Comment		Acquired Time	3/28/2014 11:25:24 AM



HRMS of compound 12

Sample Name	IK-LAH-U	Position	-1	Instrument Name	Instrument 1	User Name	
Inj Vol	-10	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	IK-LAH-U.d	ACQ Method		Comment		Acquired Time	3/28/2014 11:42:42 AM

