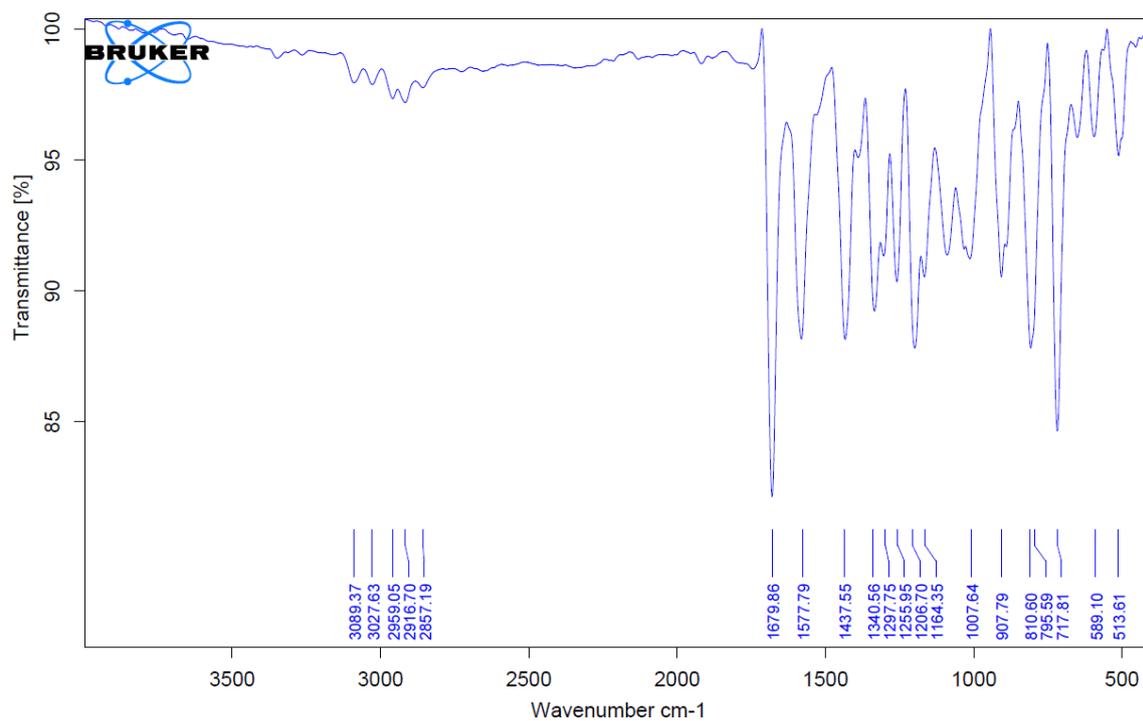
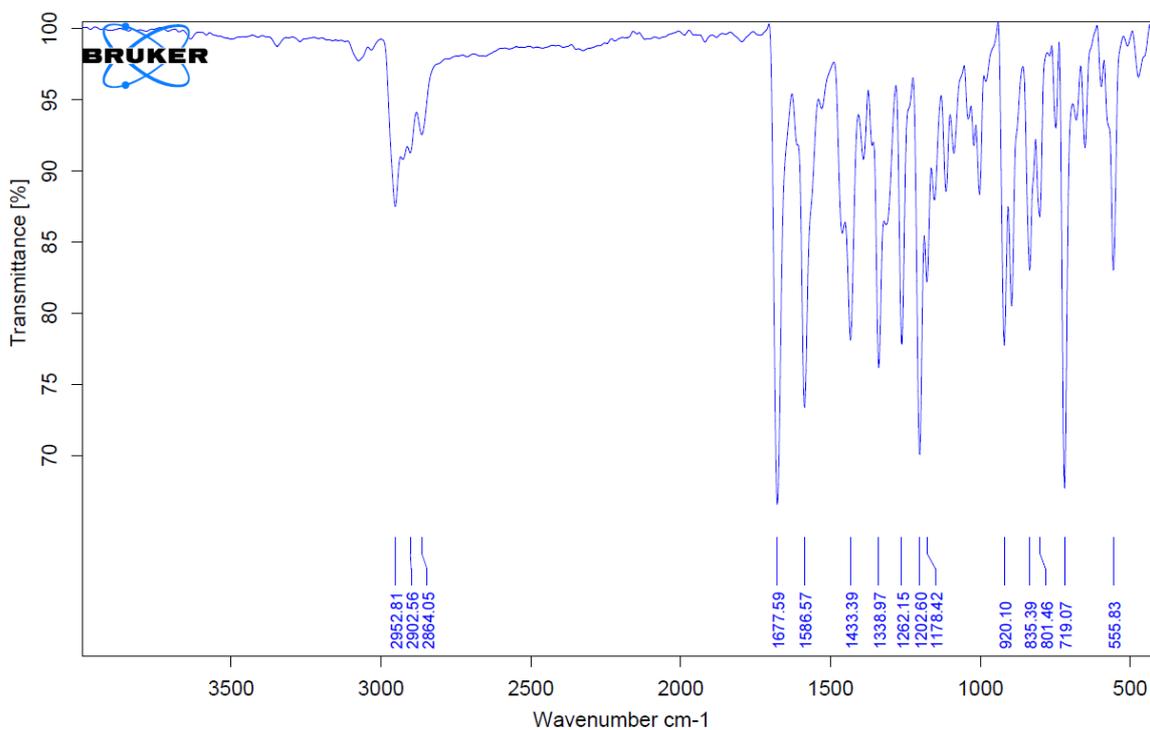


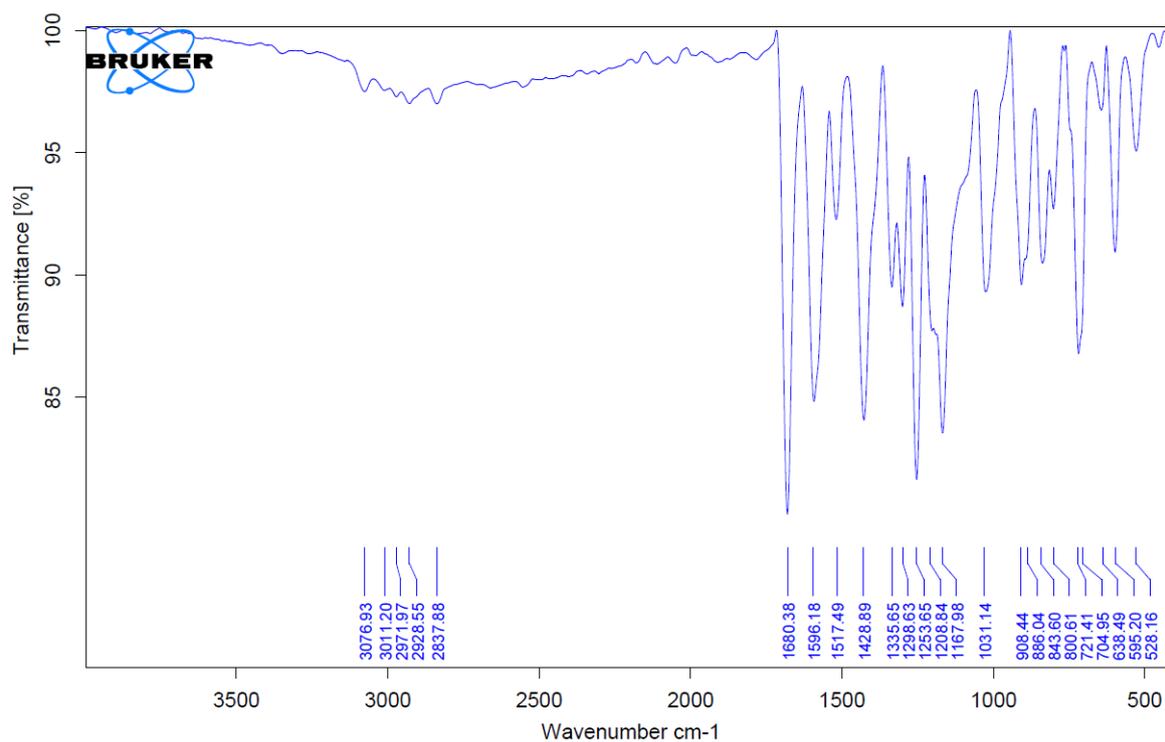
IR Spectrum of **3a**



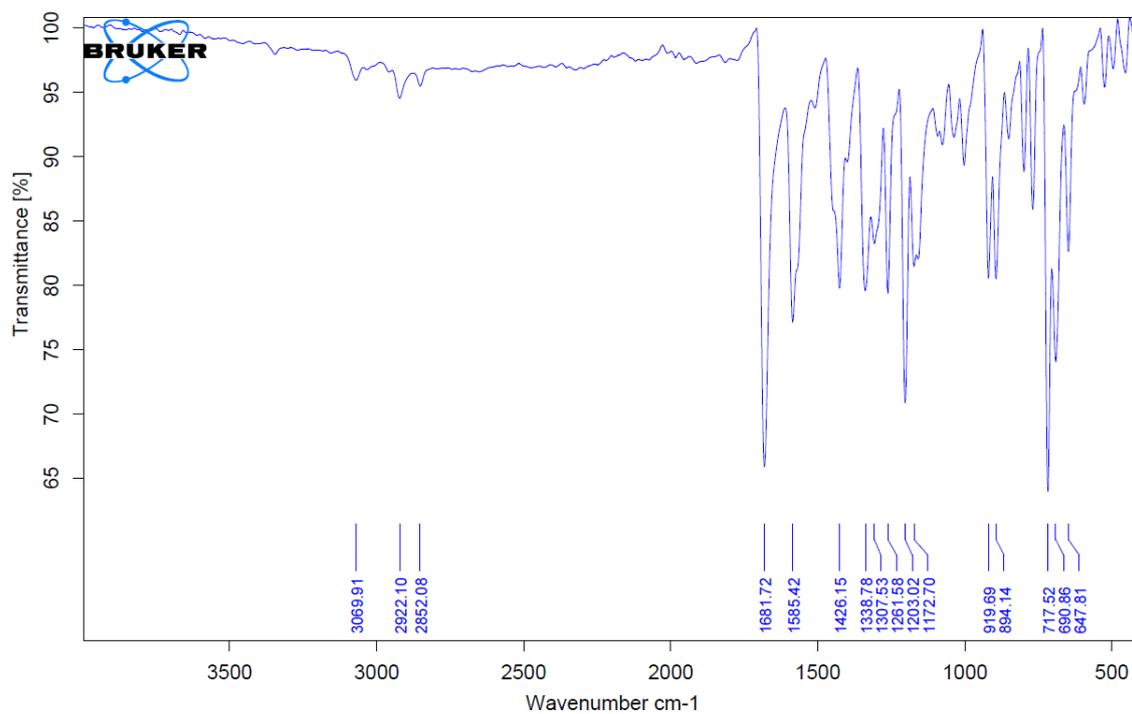
IR Spectrum of **3b**



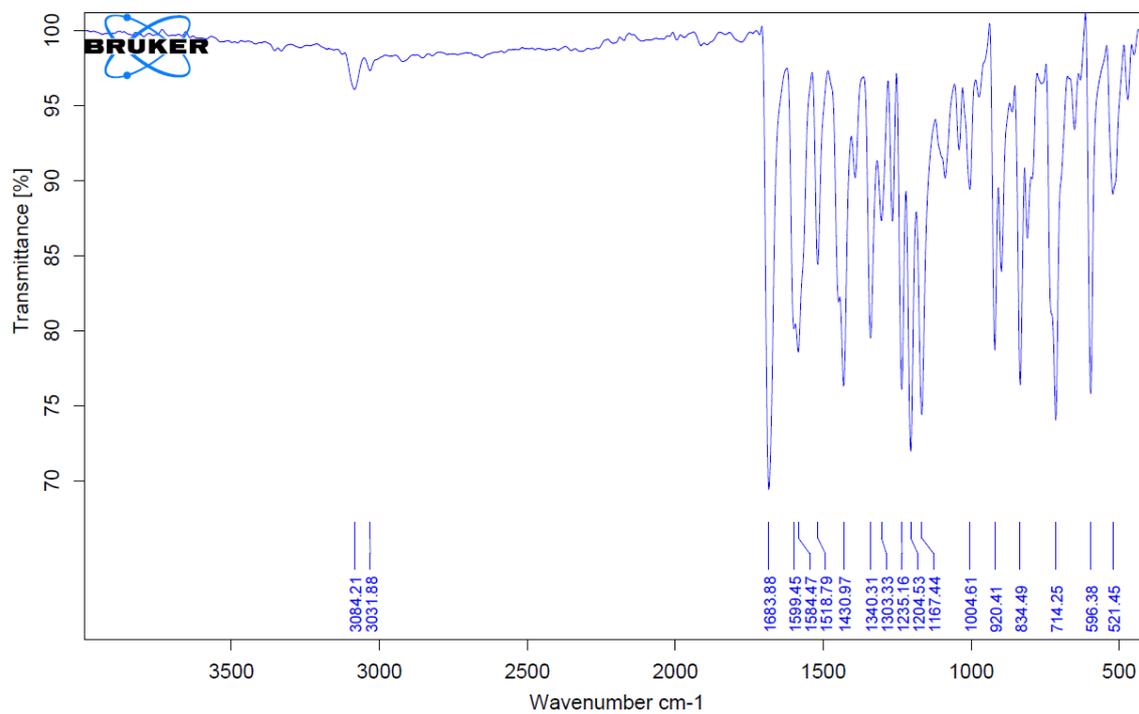
IR Spectrum of 3c



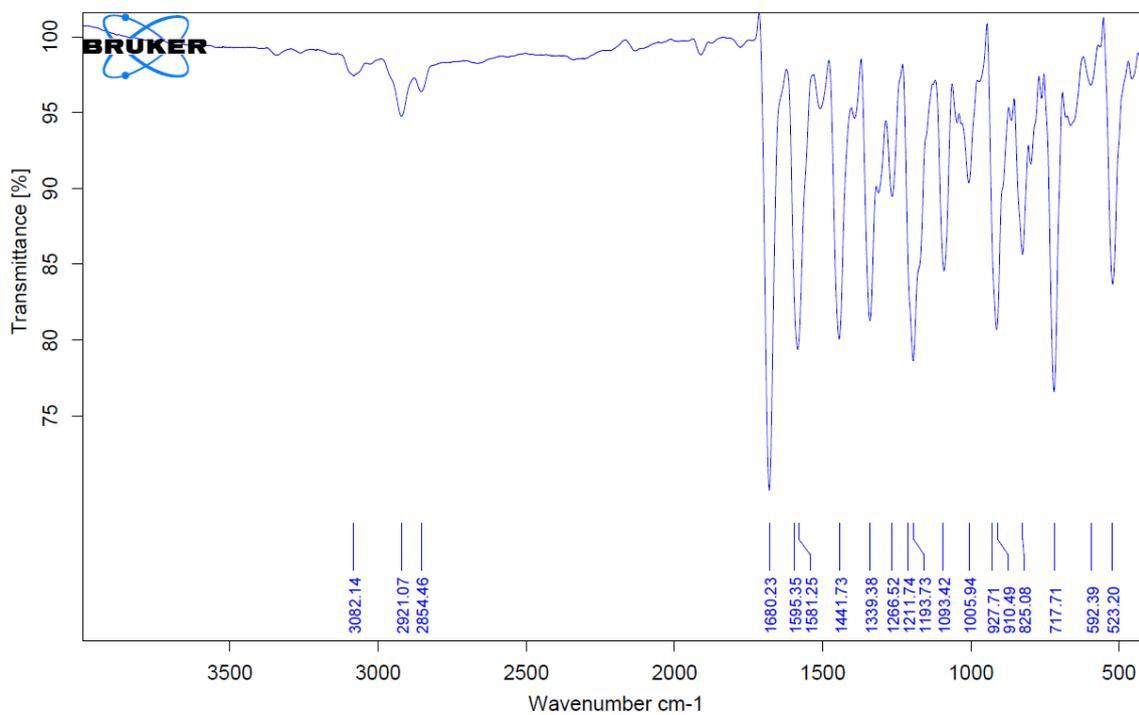
IR Spectrum of 3d



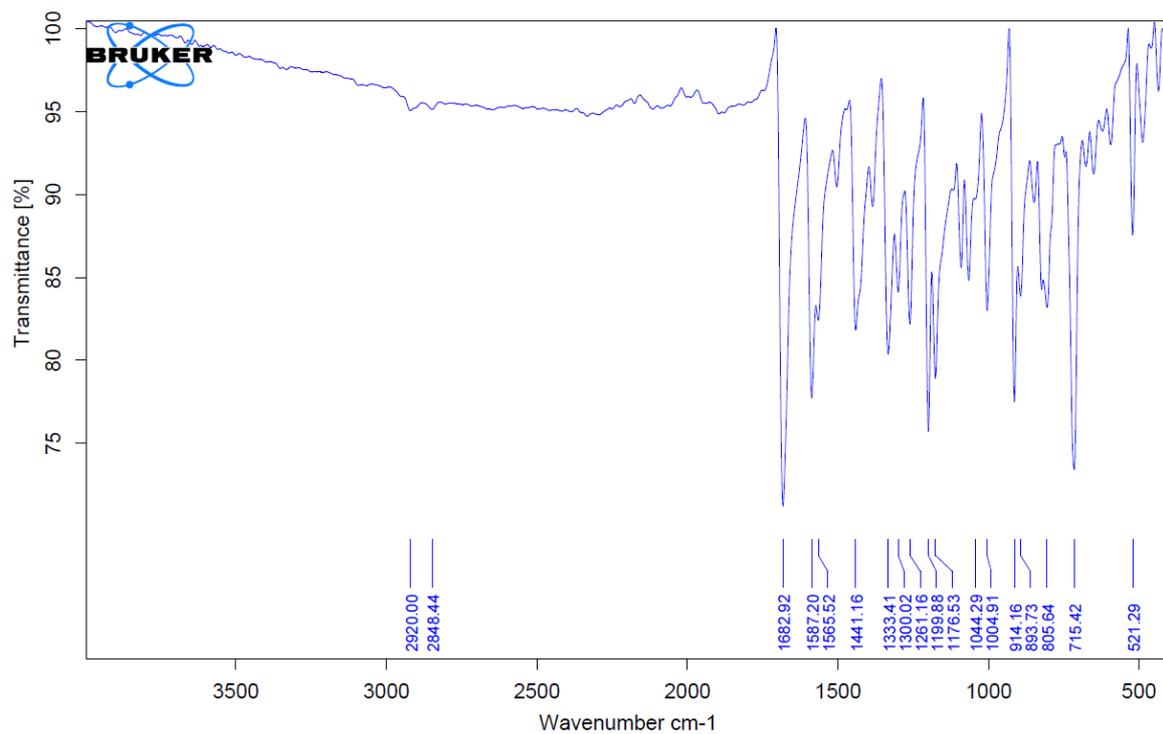
IR Spectrum of 3e



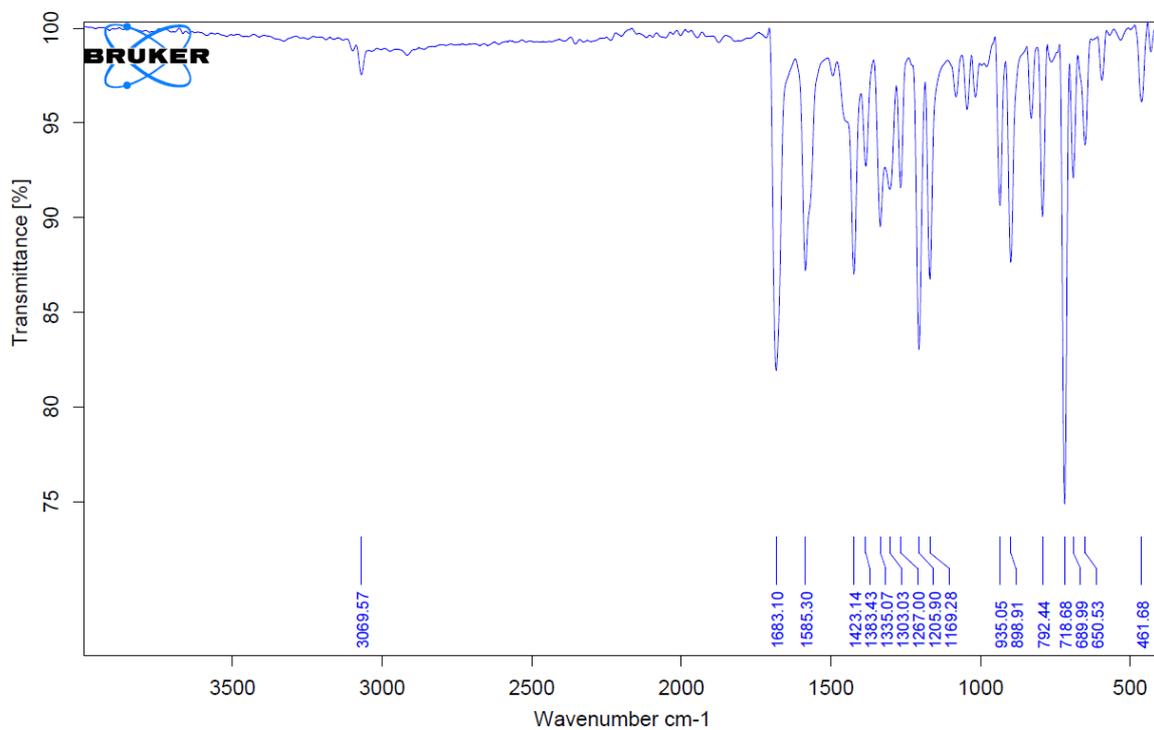
IR Spectrum of 3f



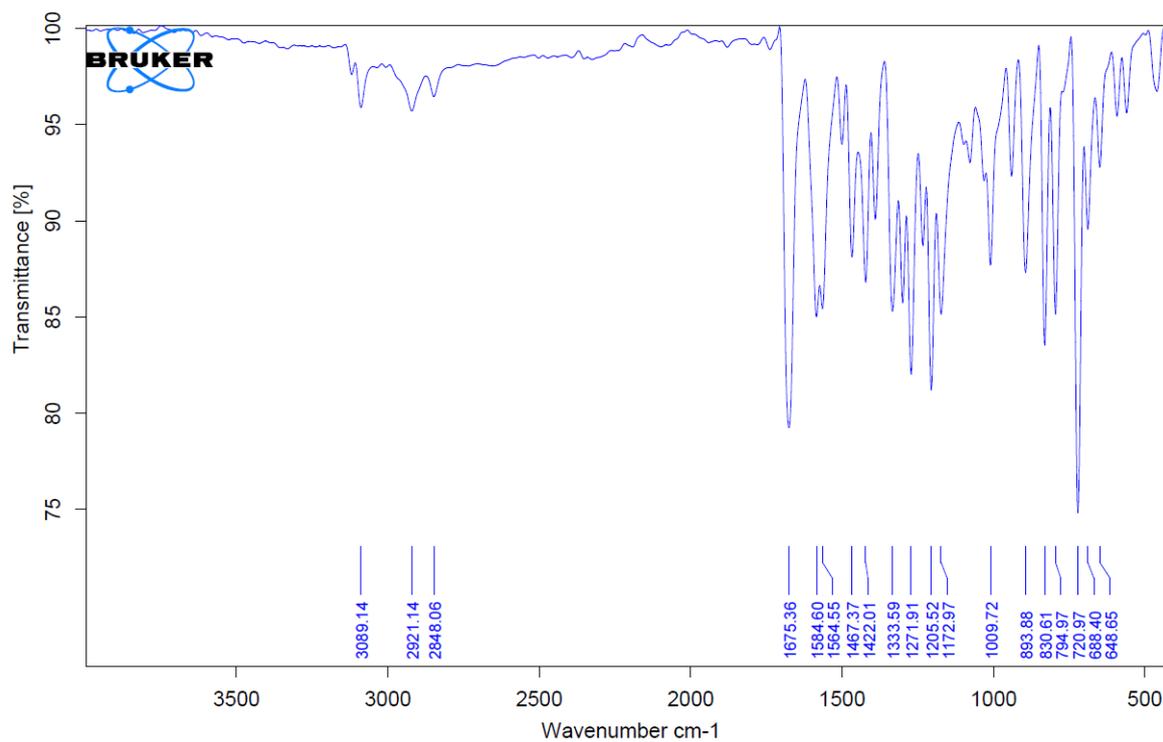
IR Spectrum of 3g



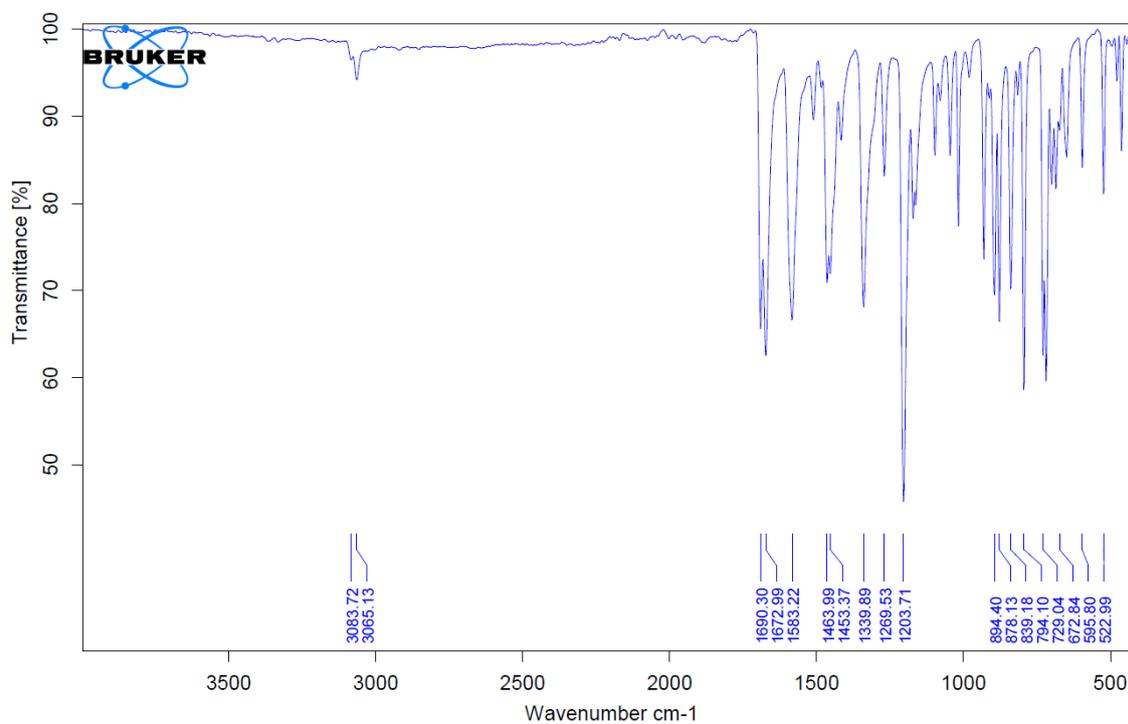
IR Spectrum of 3h



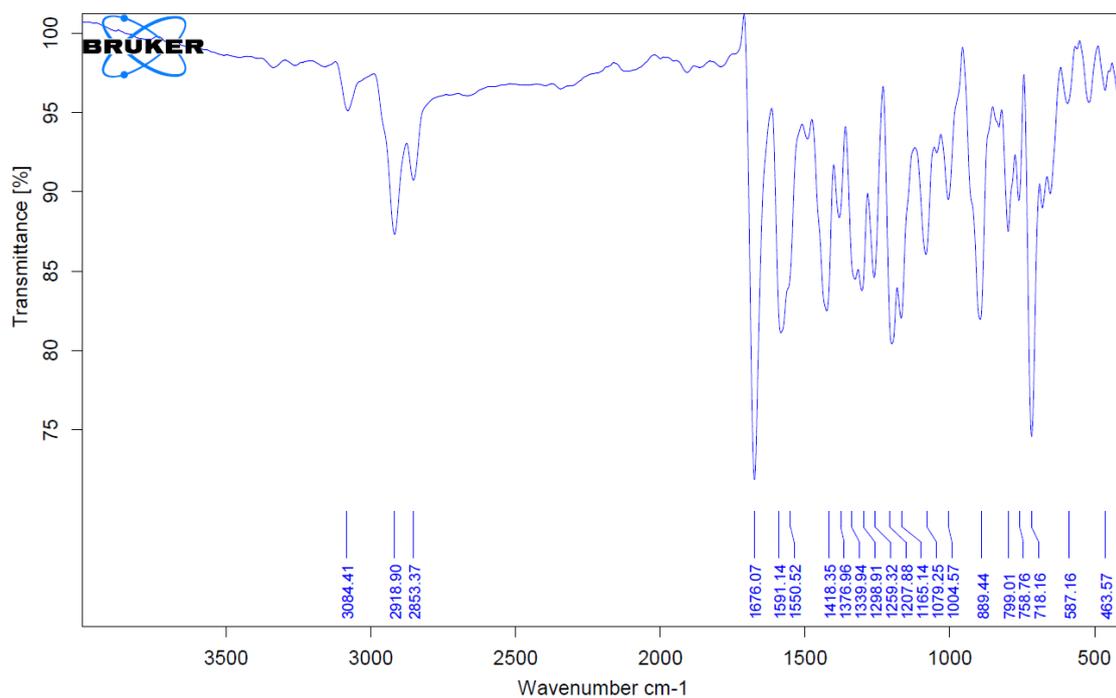
IR Spectrum of 3i



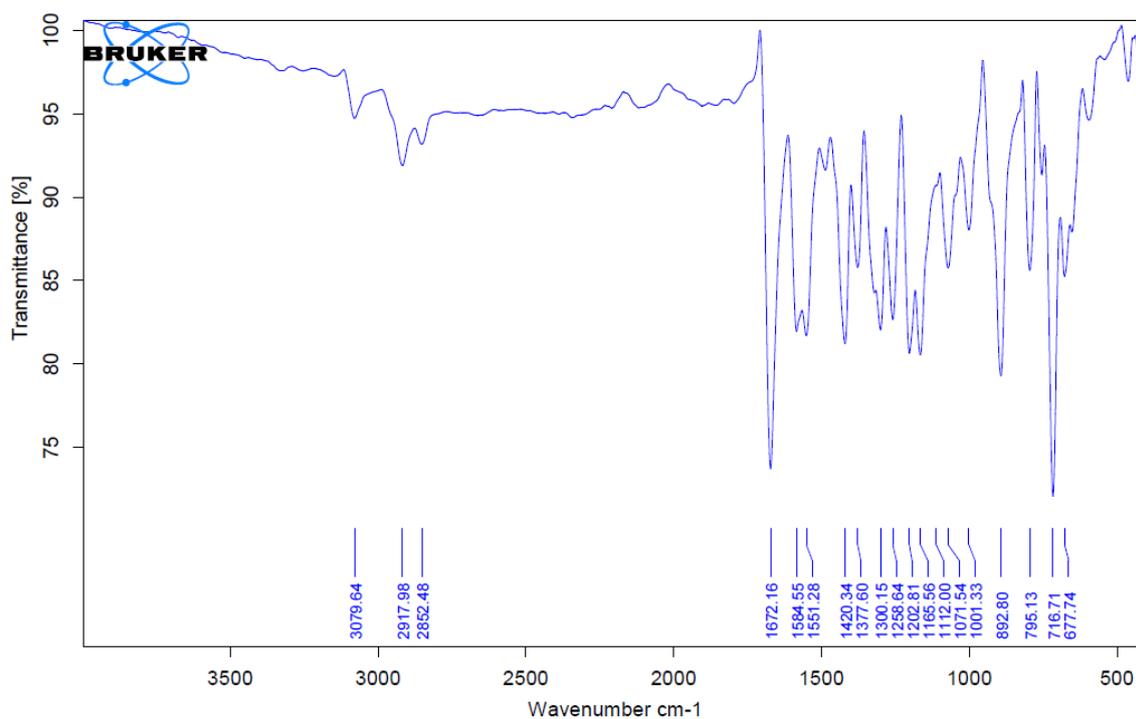
IR Spectrum of 3j



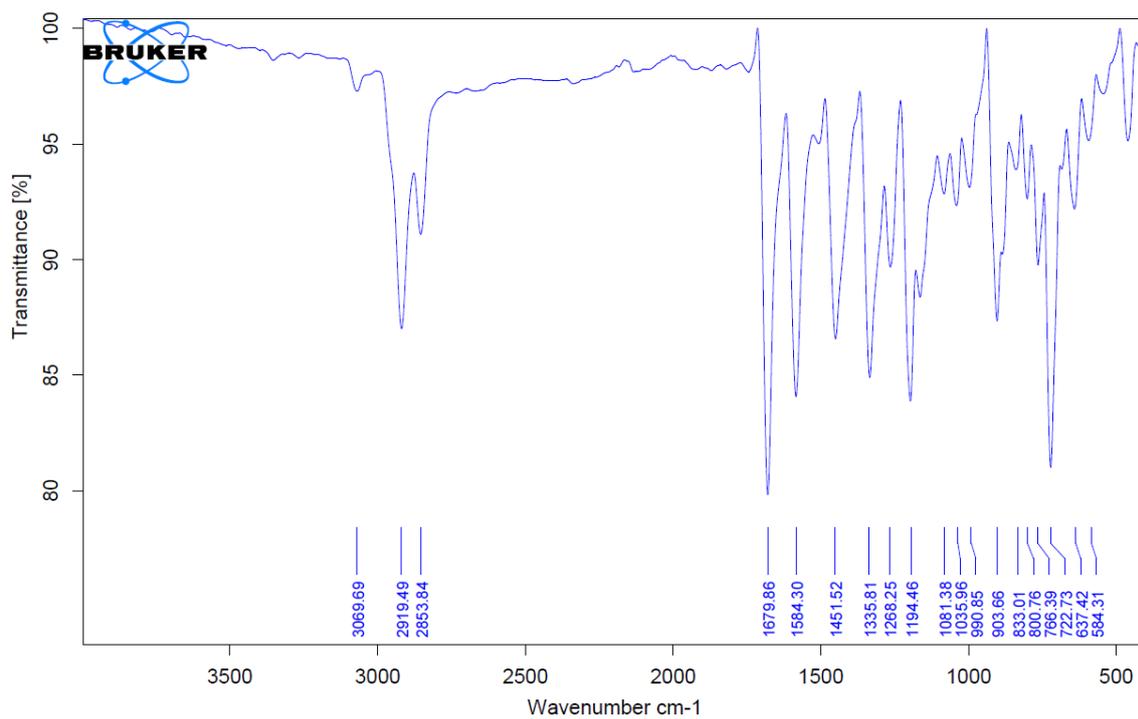
IR Spectrum of 3k



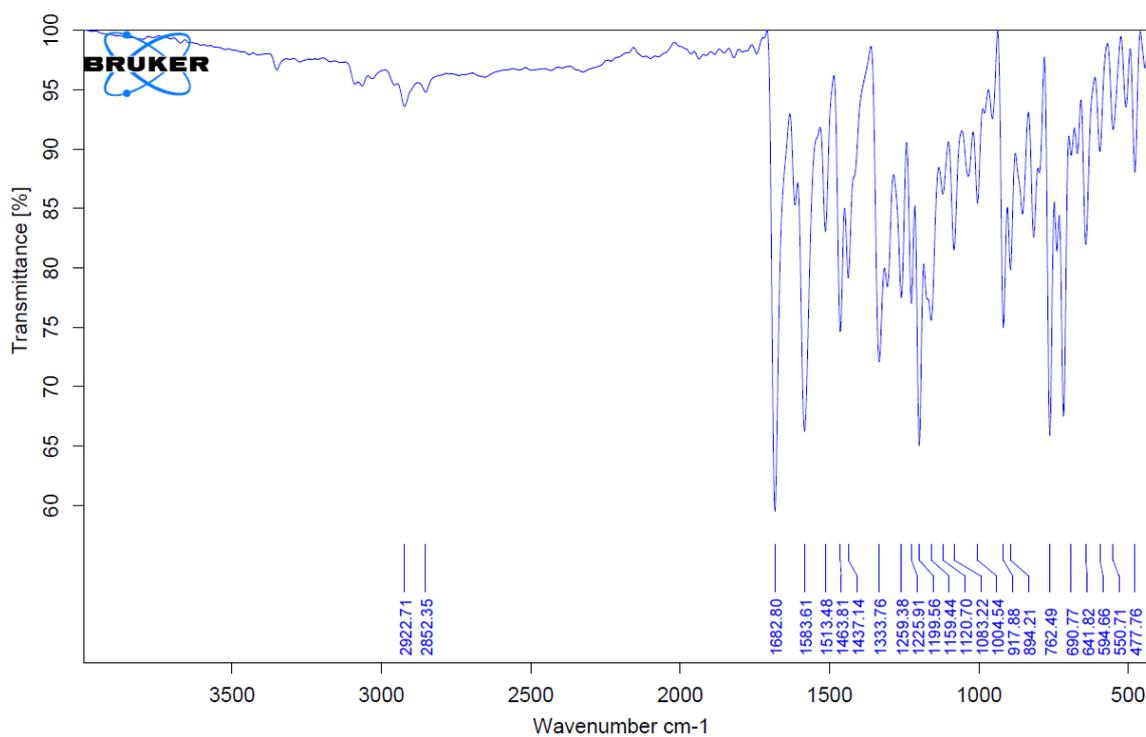
IR Spectrum of 3l



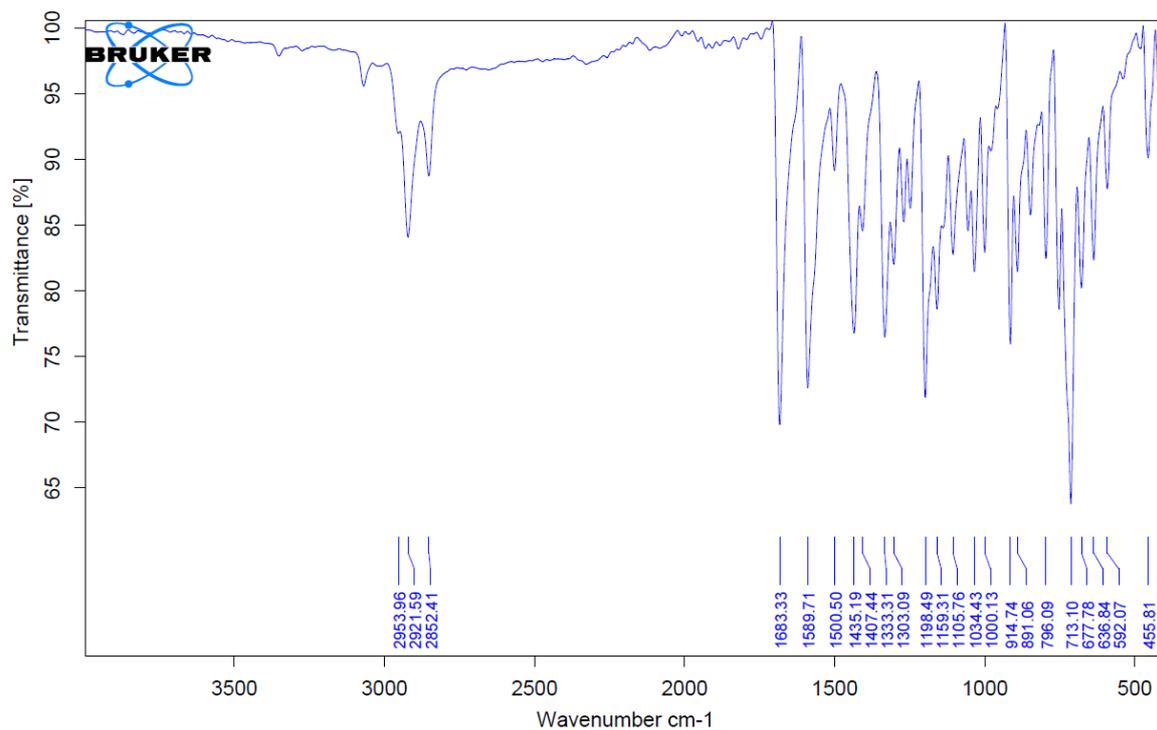
IR Spectrum of 3m



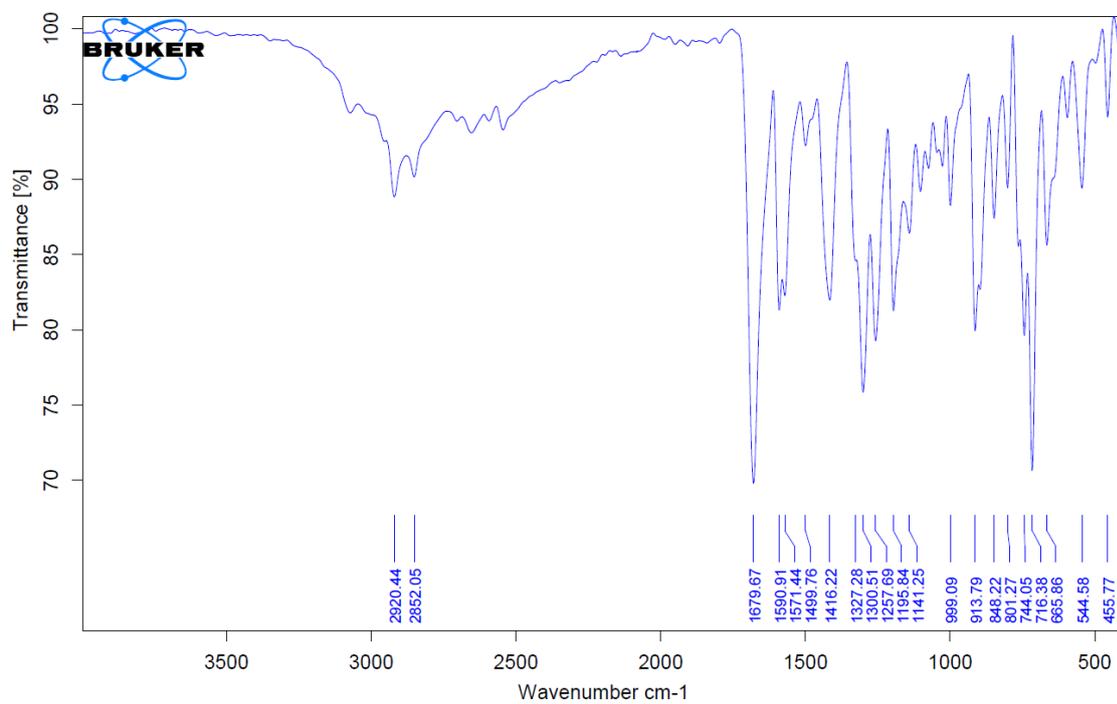
IR Spectrum of 3n



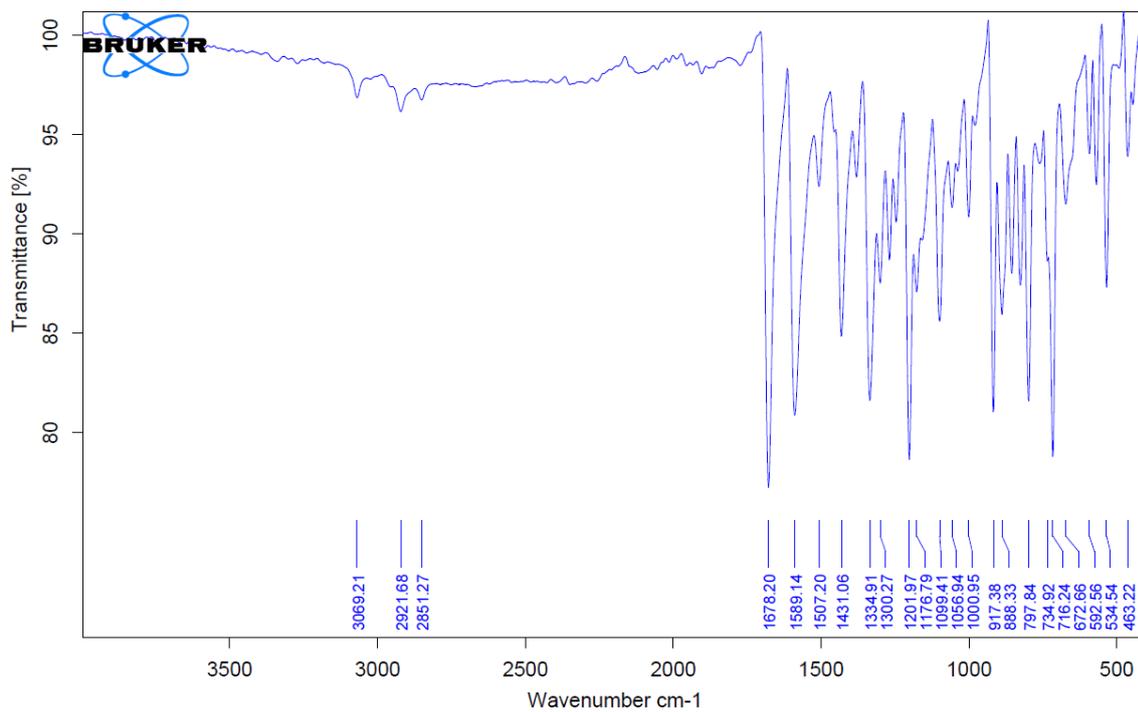
IR Spectrum of 3o



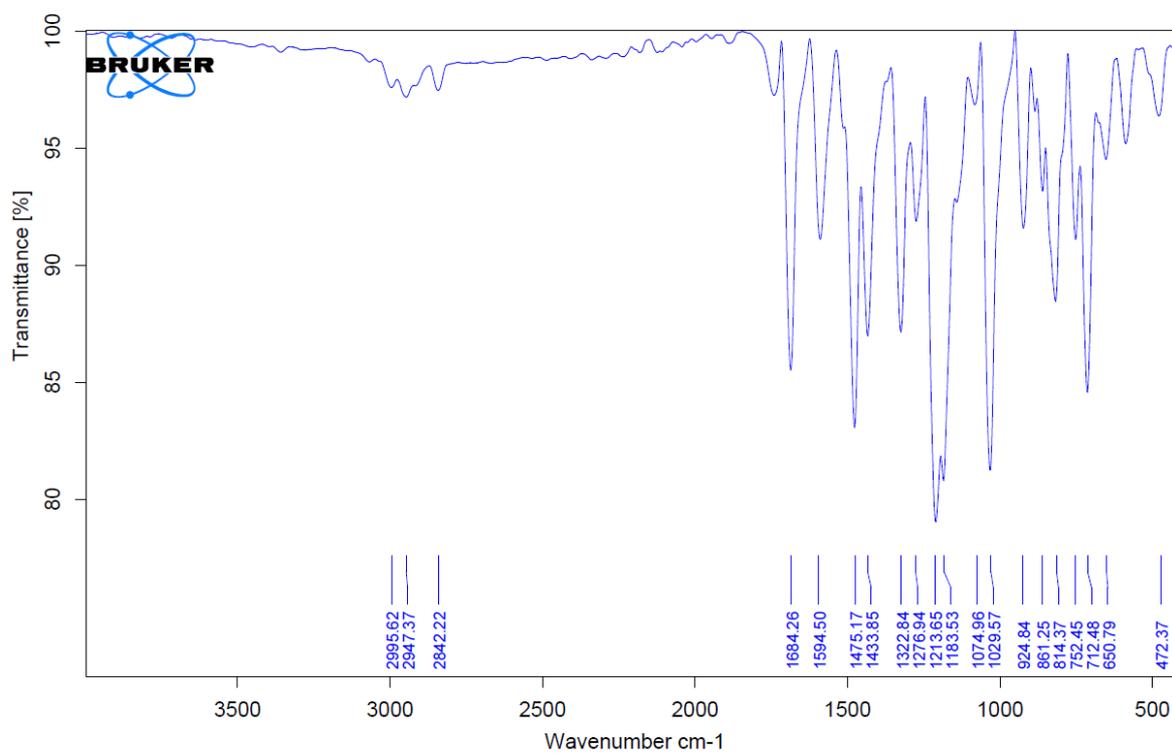
IR Spectrum of 3p



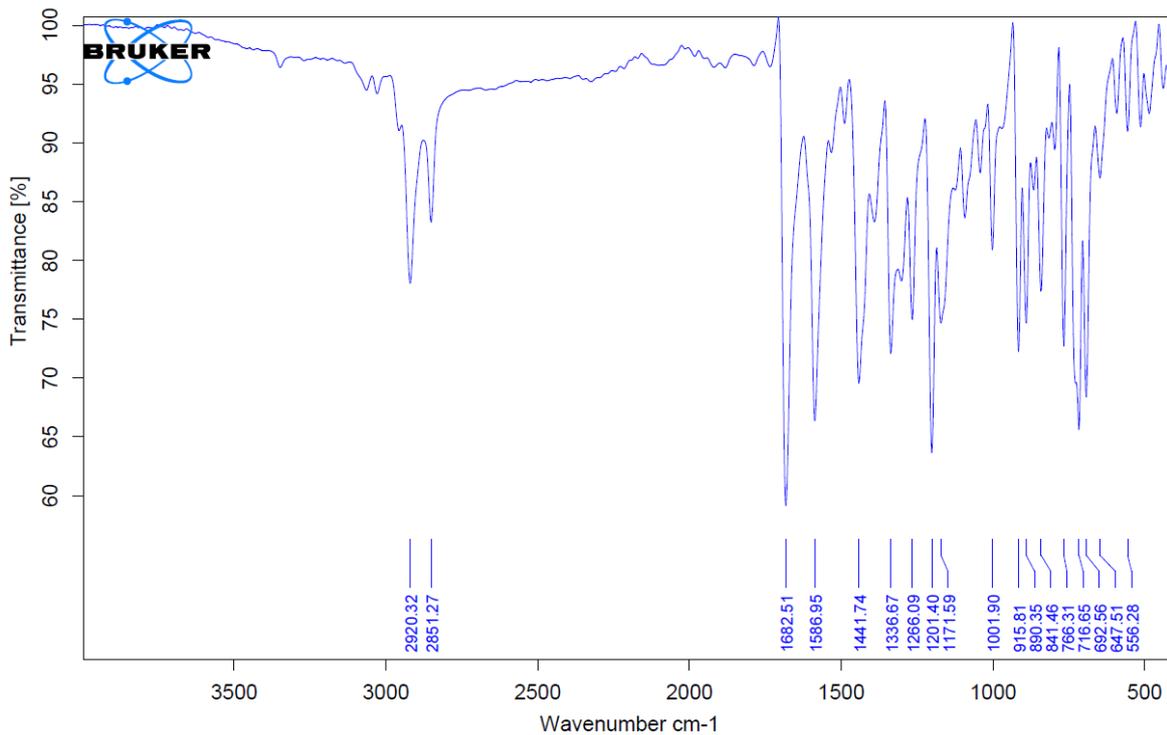
IR Spectrum of 3q



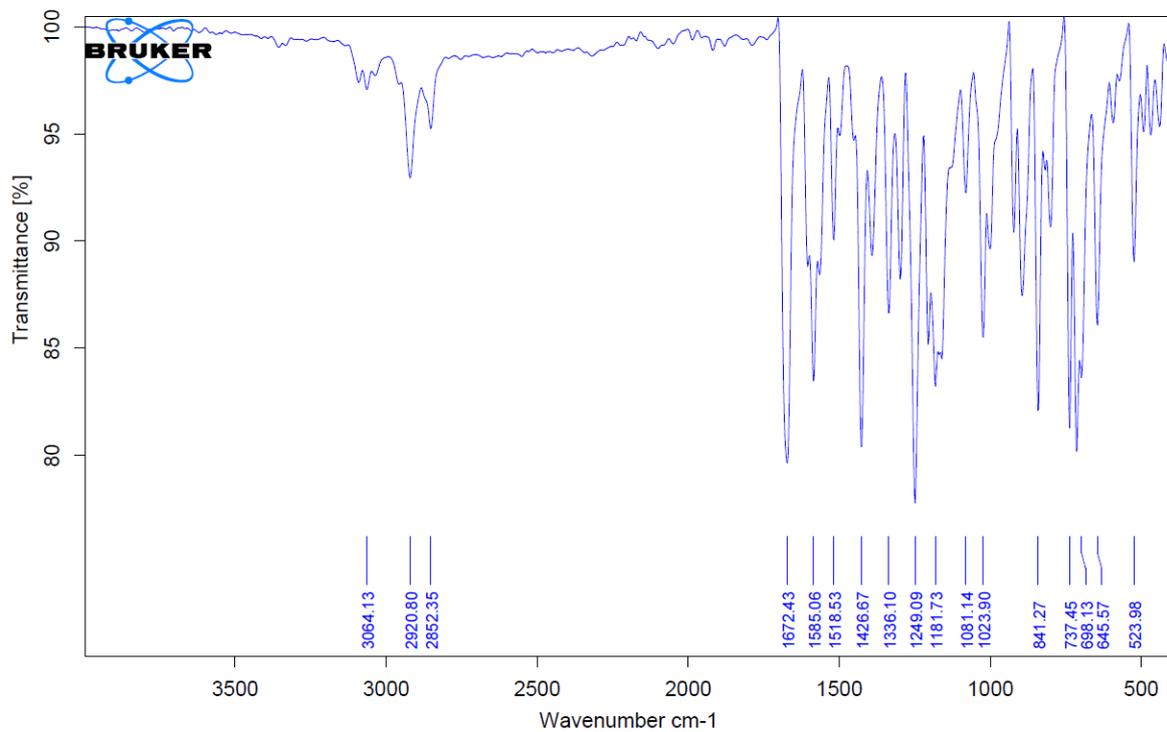
IR Spectrum of 3r



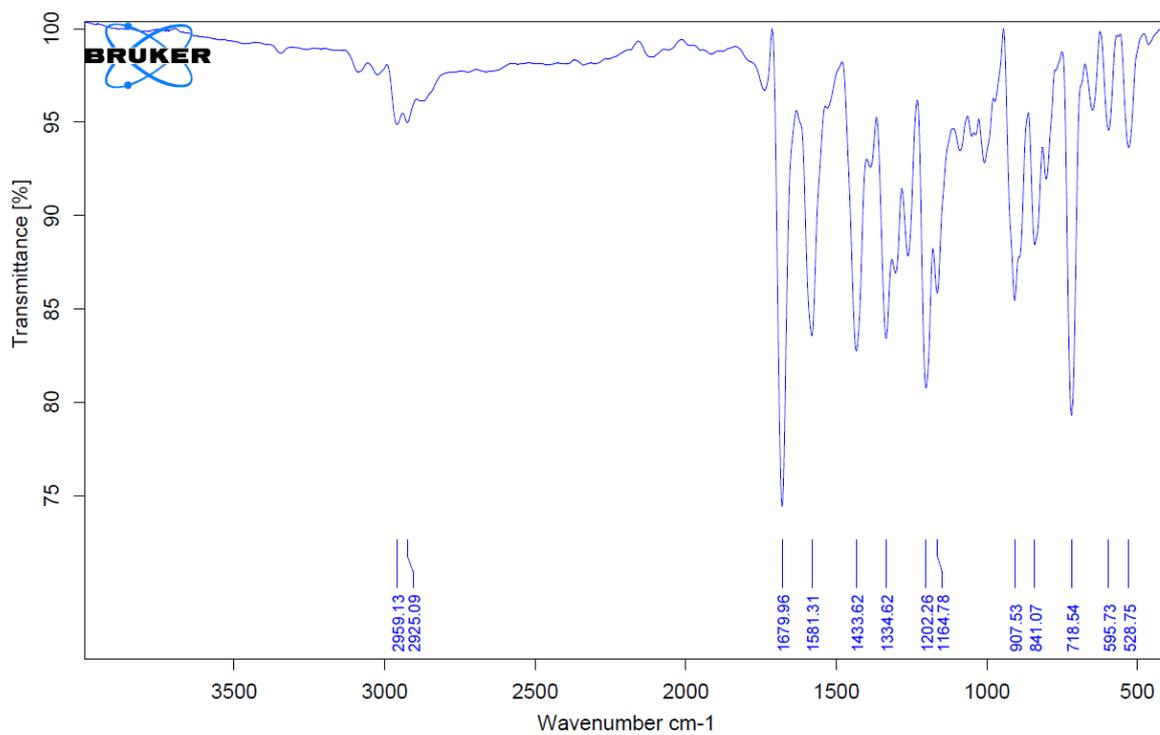
IR Spectrum of 3s



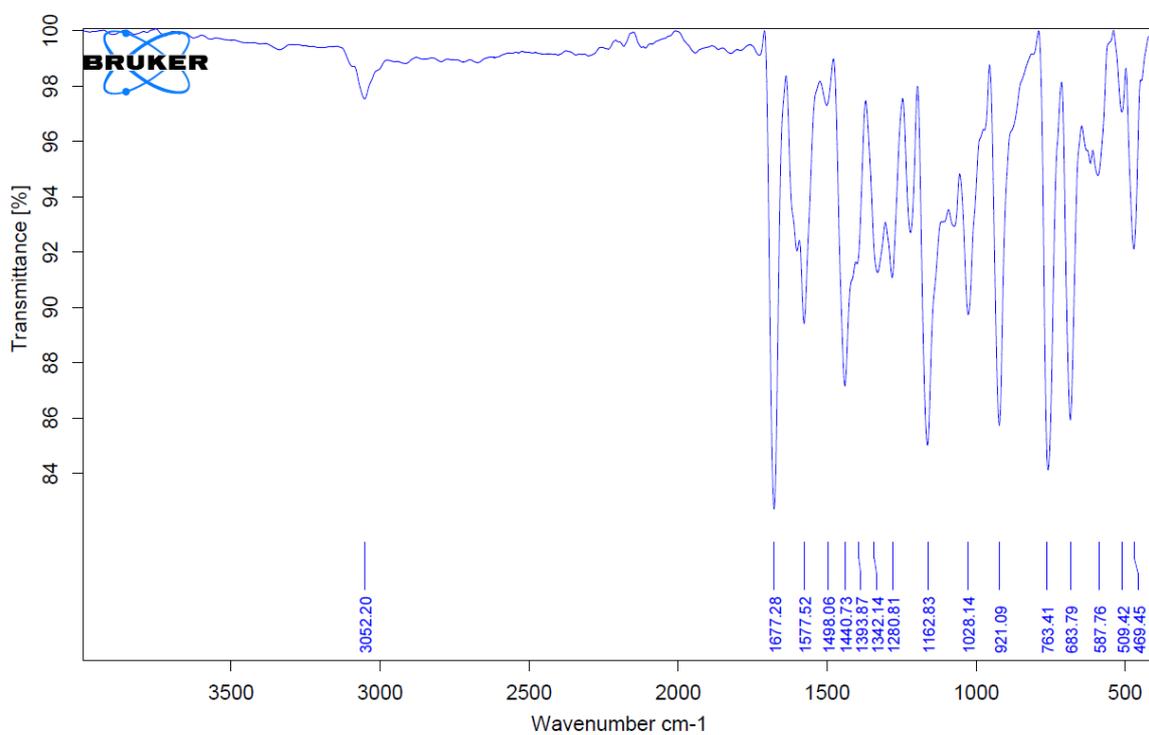
IR Spectrum of 3t



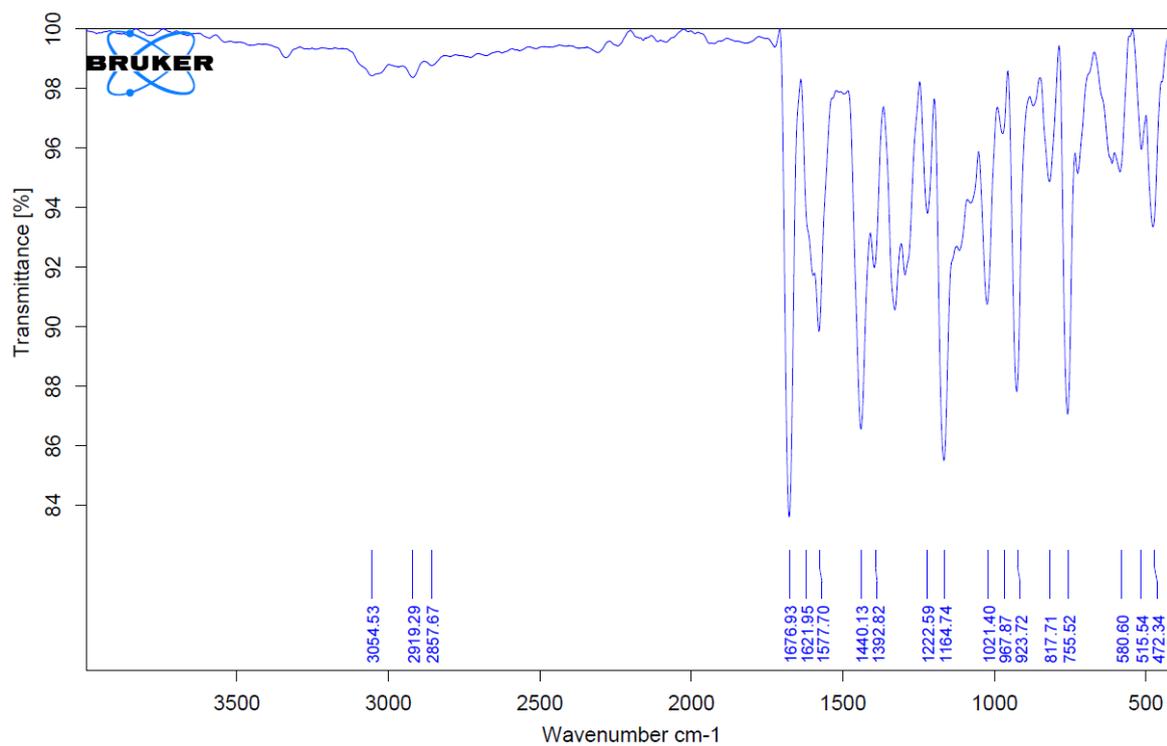
IR Spectrum of 3u



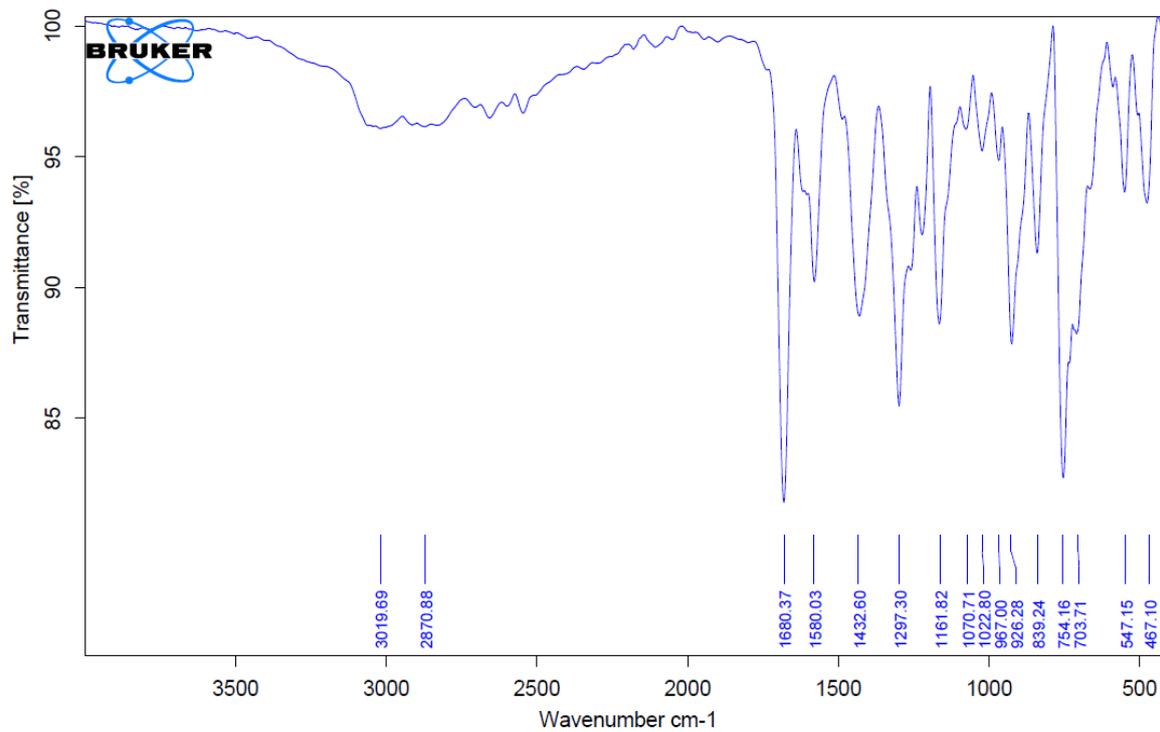
IR Spectrum of 4a



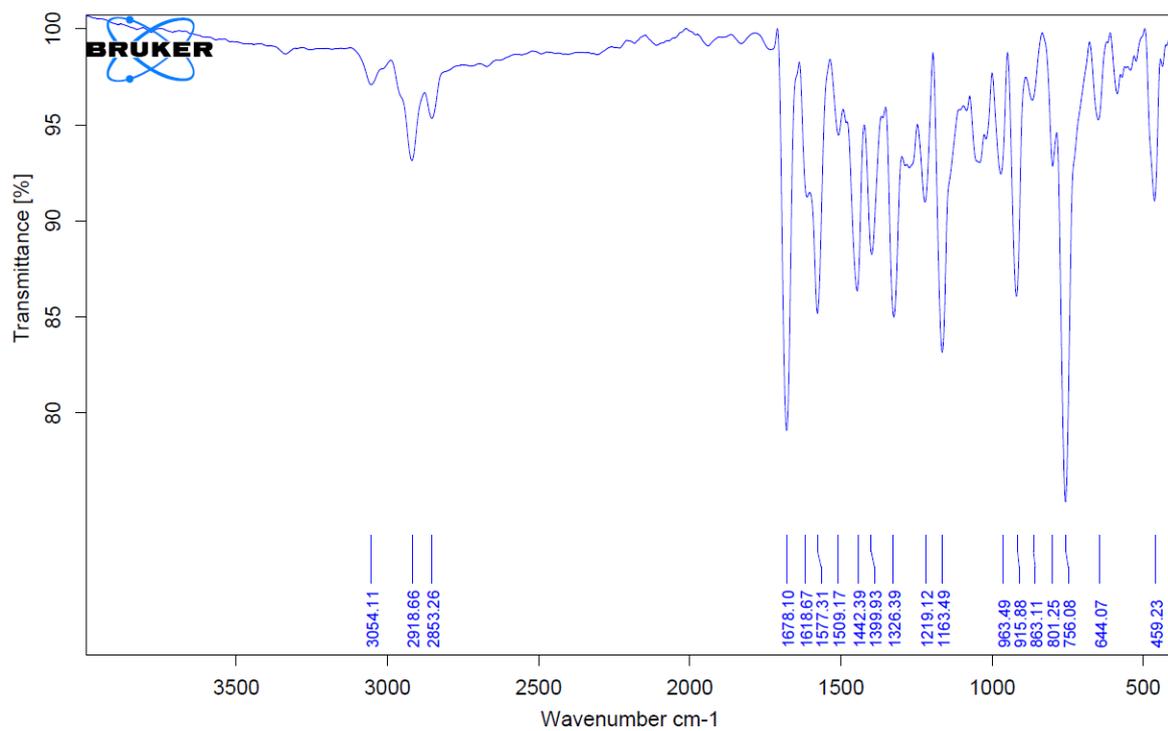
IR Spectrum of 4b



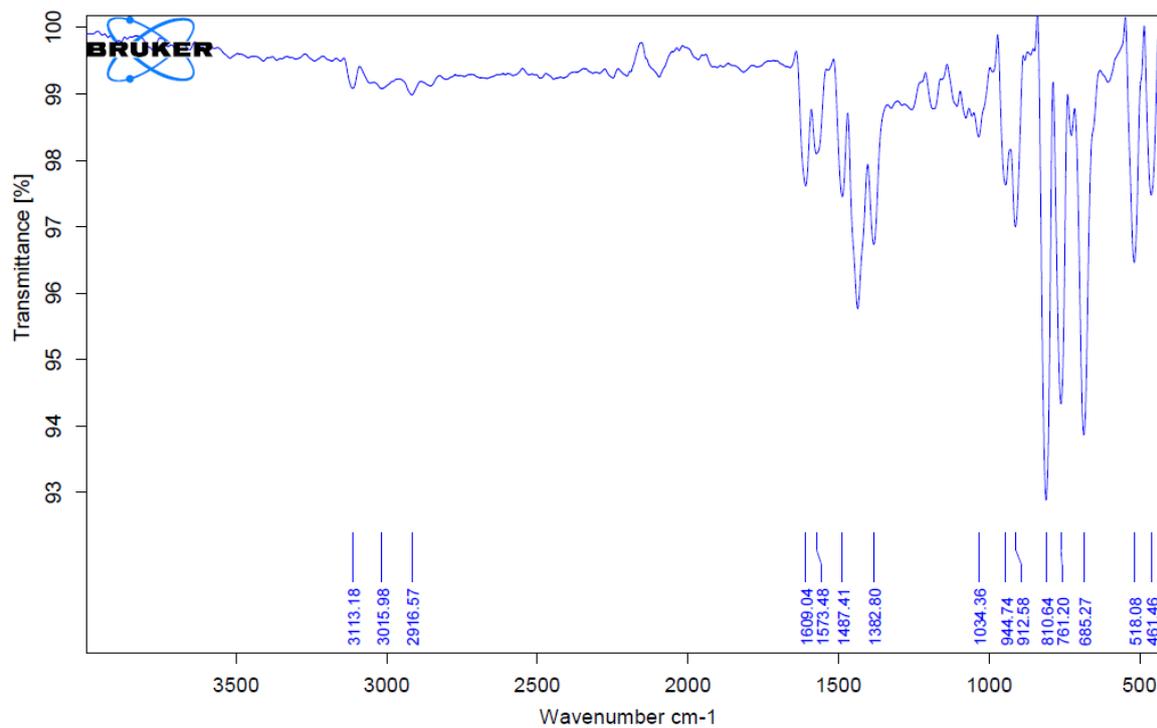
IR Spectrum of 4c



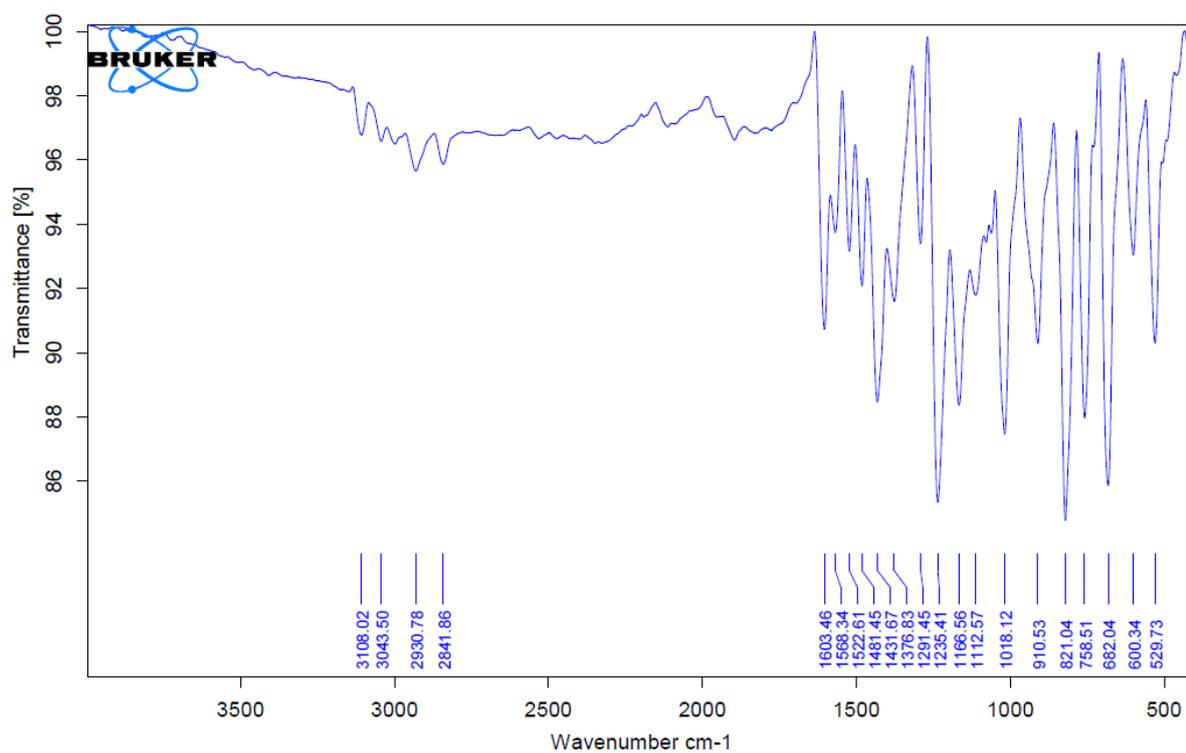
IR Spectrum of 4d



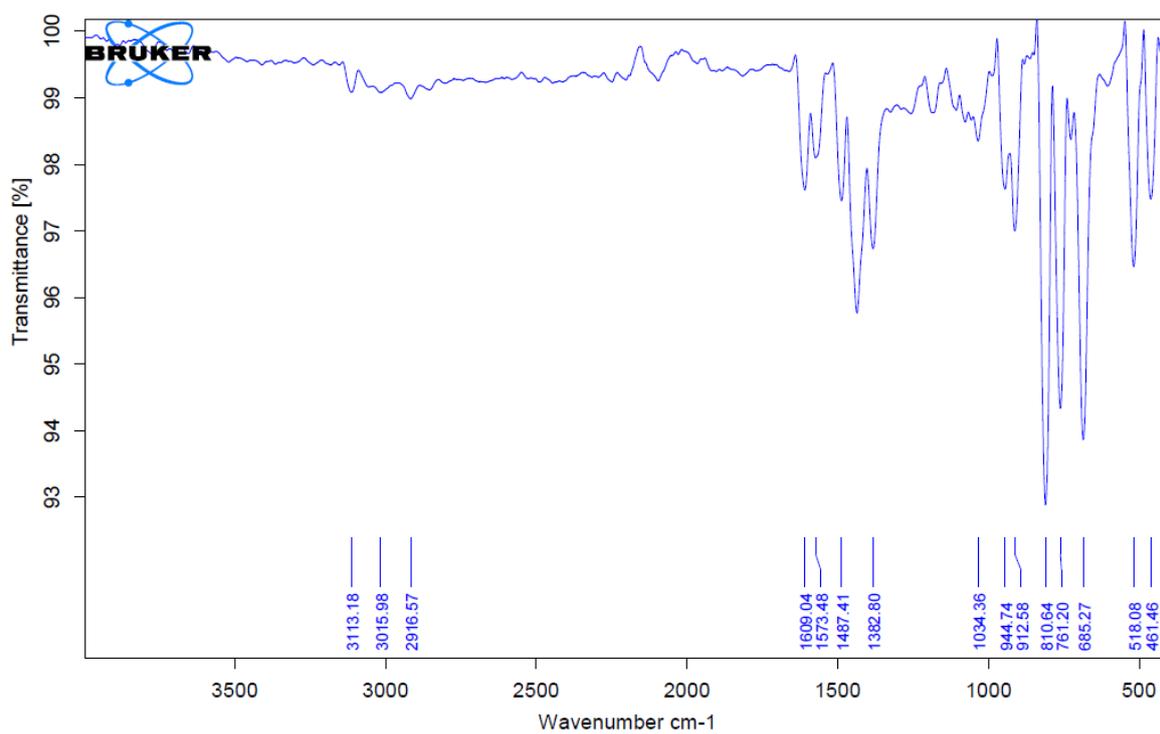
IR Spectrum of 5a



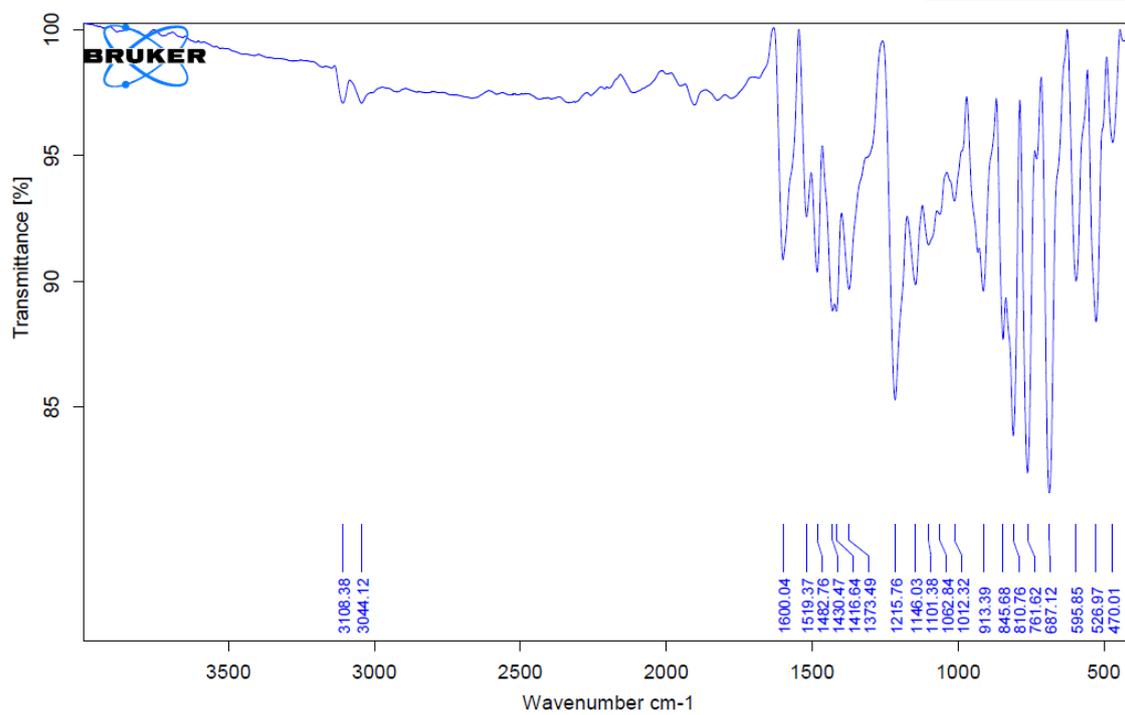
IR Spectrum of 5b



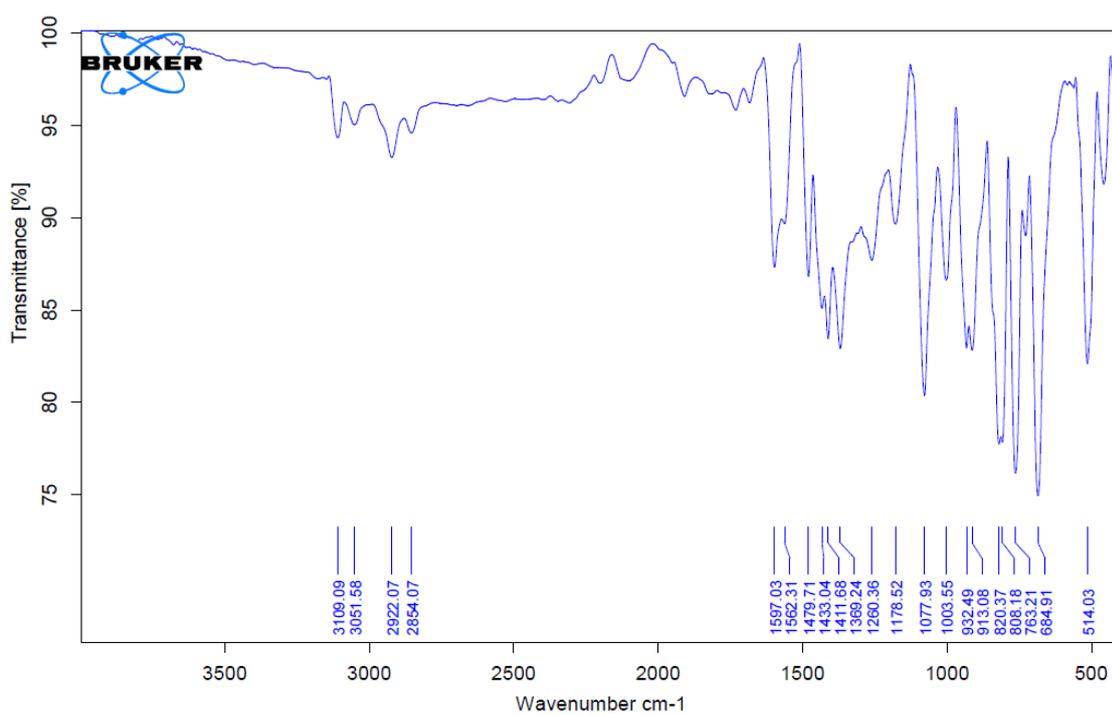
IR Spectrum of 5c



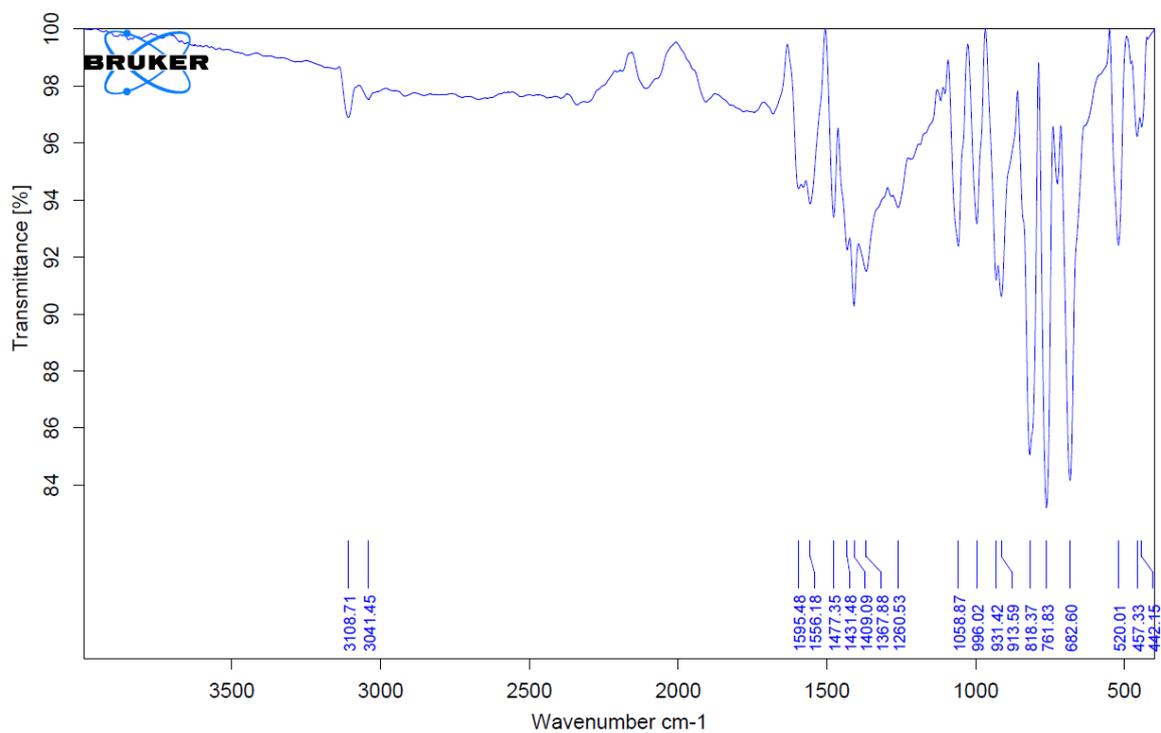
IR Spectrum of 5d



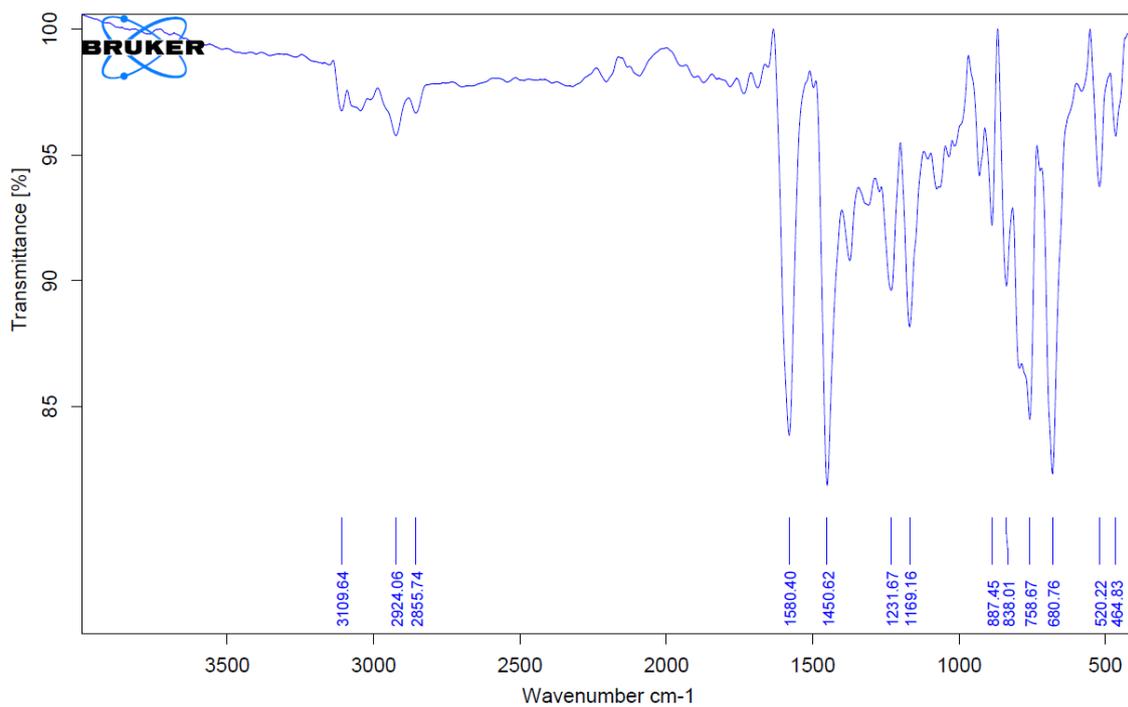
IR Spectrum of 5e



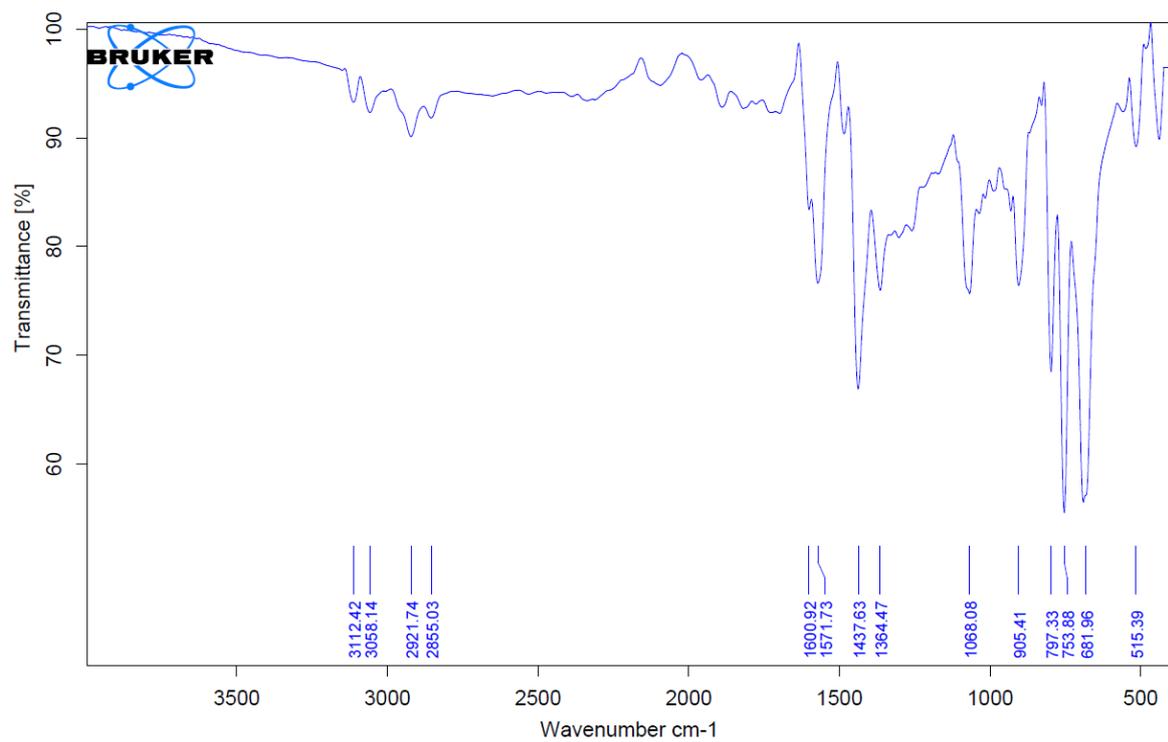
IR Spectrum of 5f



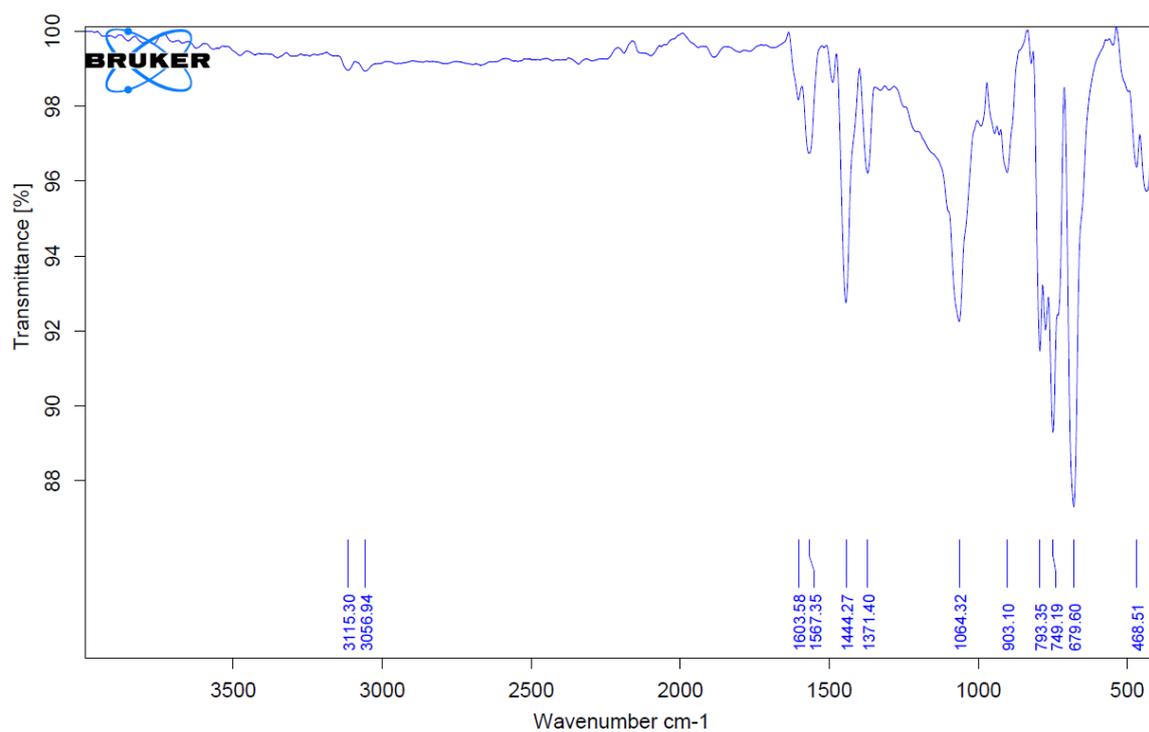
IR Spectrum of 5g



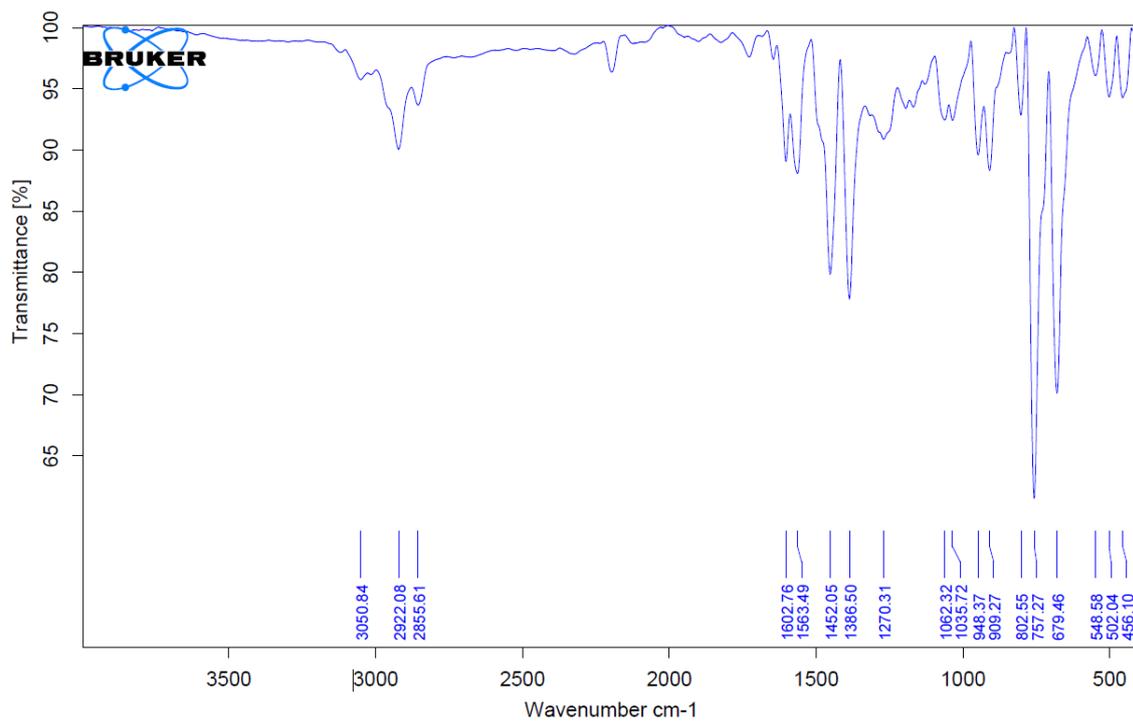
IR Spectrum of 5h



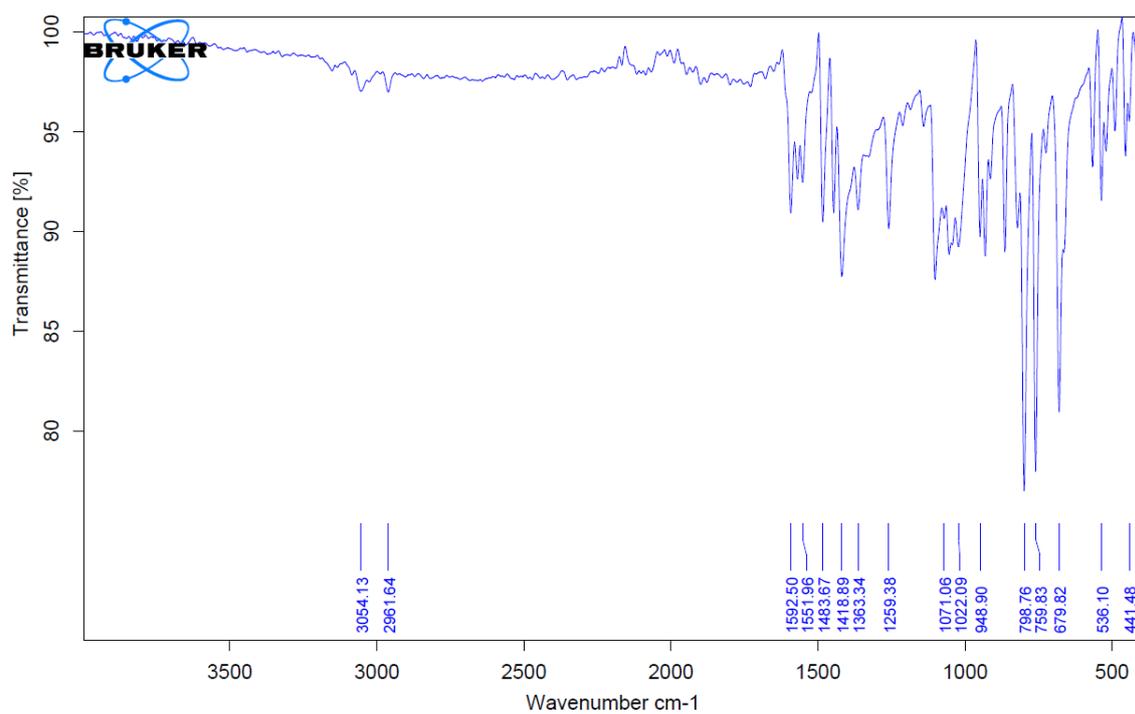
IR Spectrum of 5i



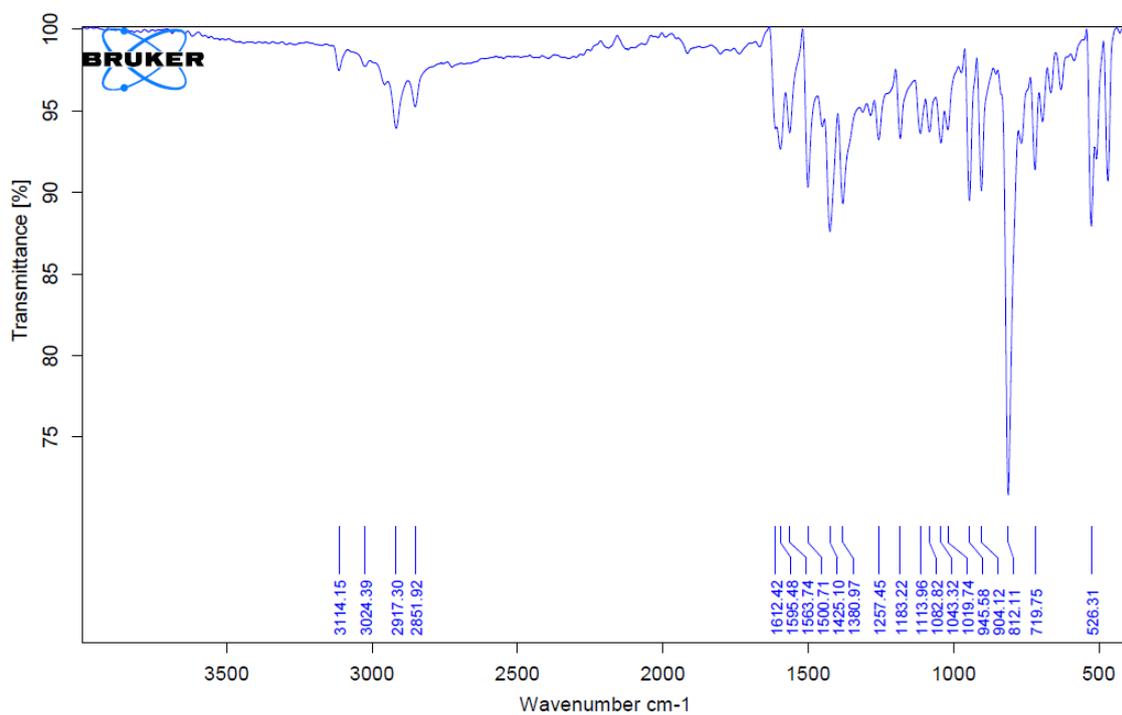
IR Spectrum of 5j



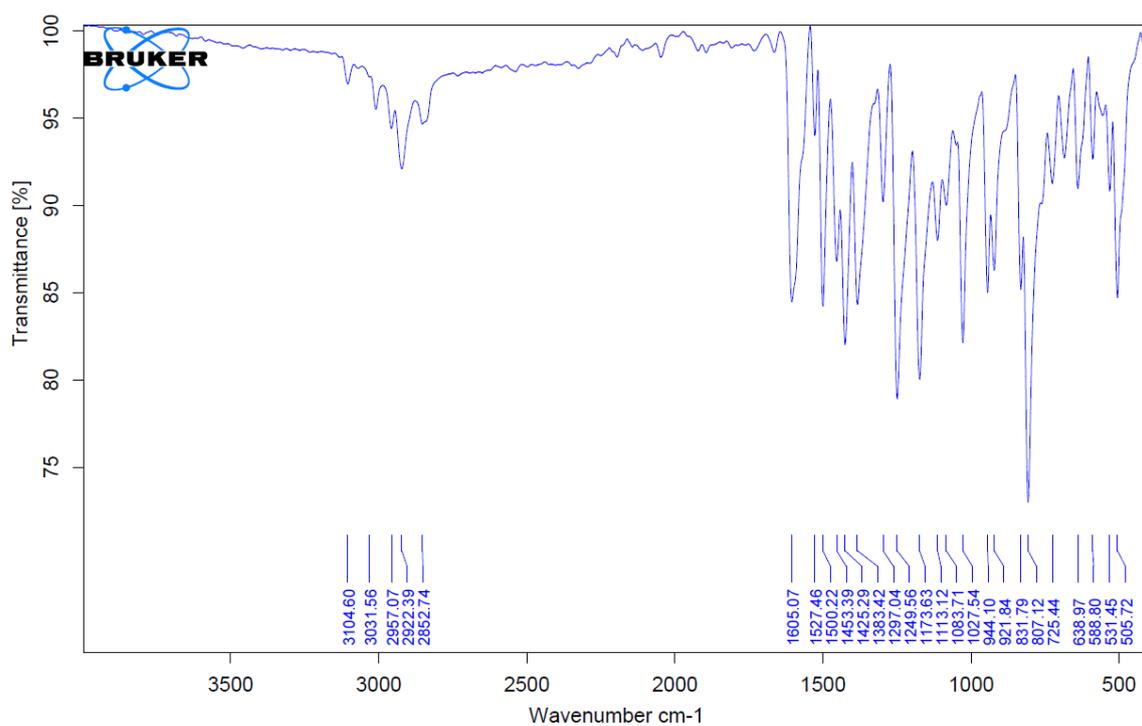
IR Spectrum of 5k



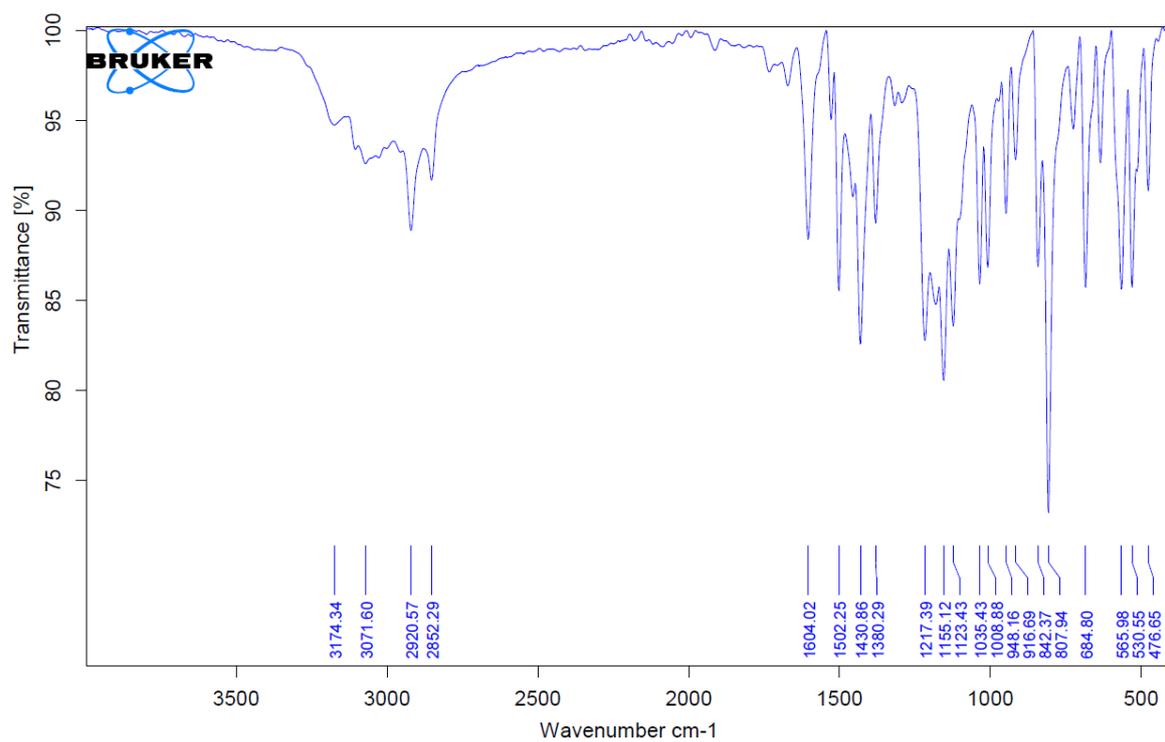
IR Spectrum of 5l



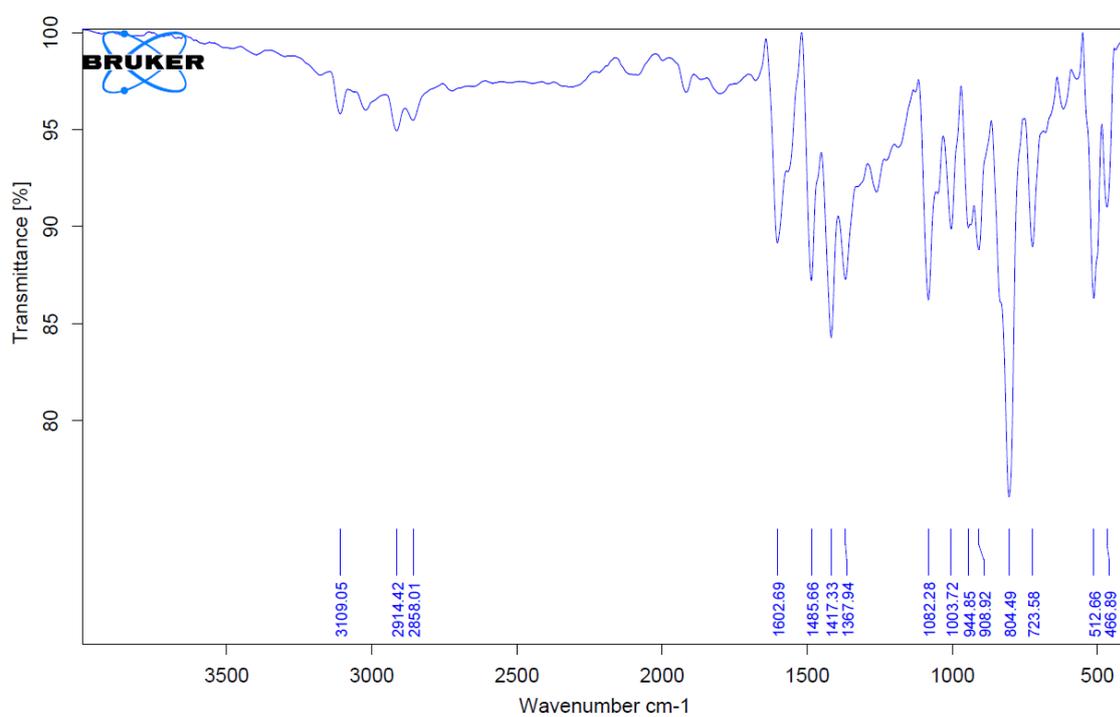
IR Spectrum of 5m



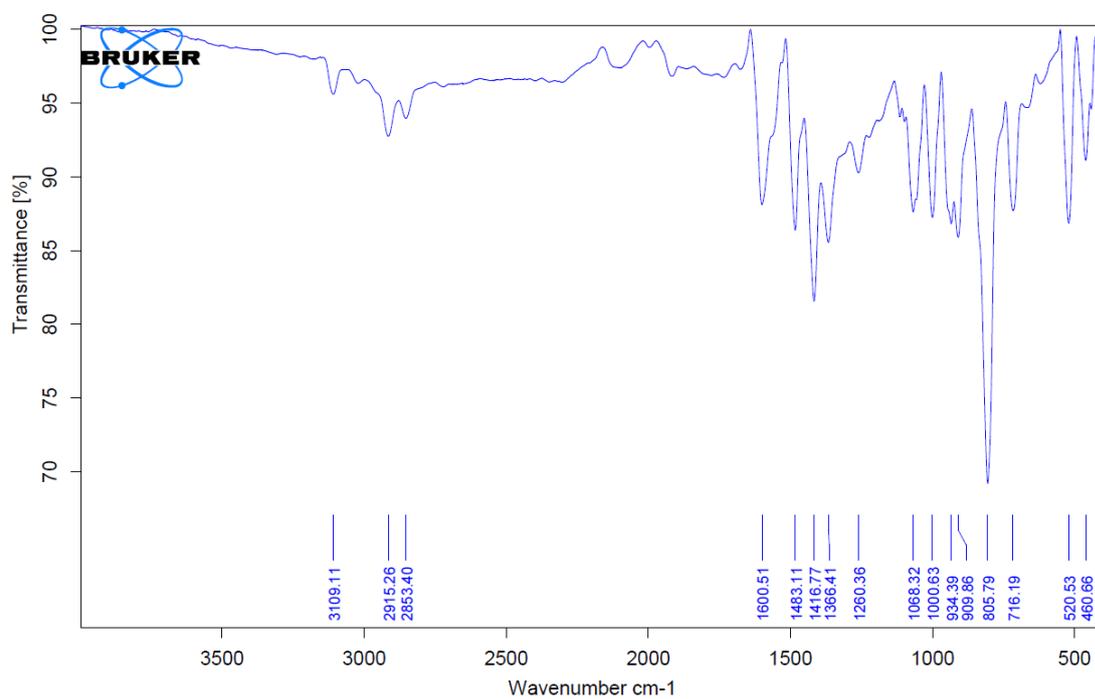
IR Spectrum of 5n



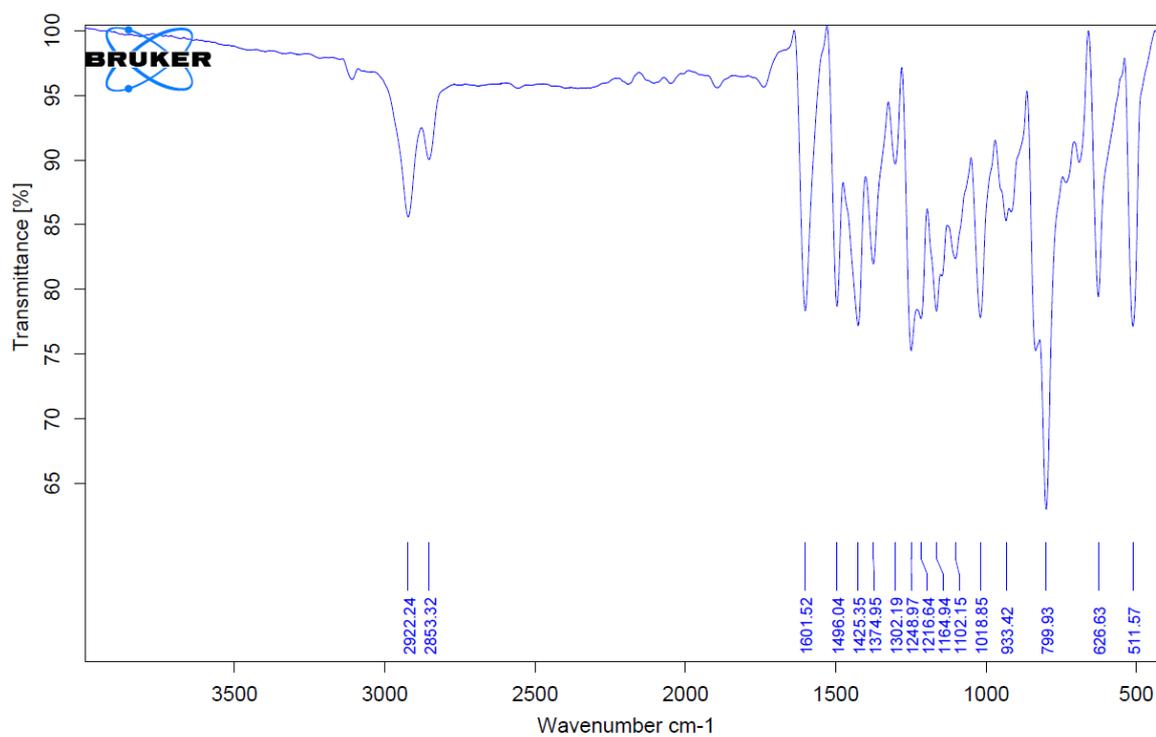
IR Spectrum of 5o



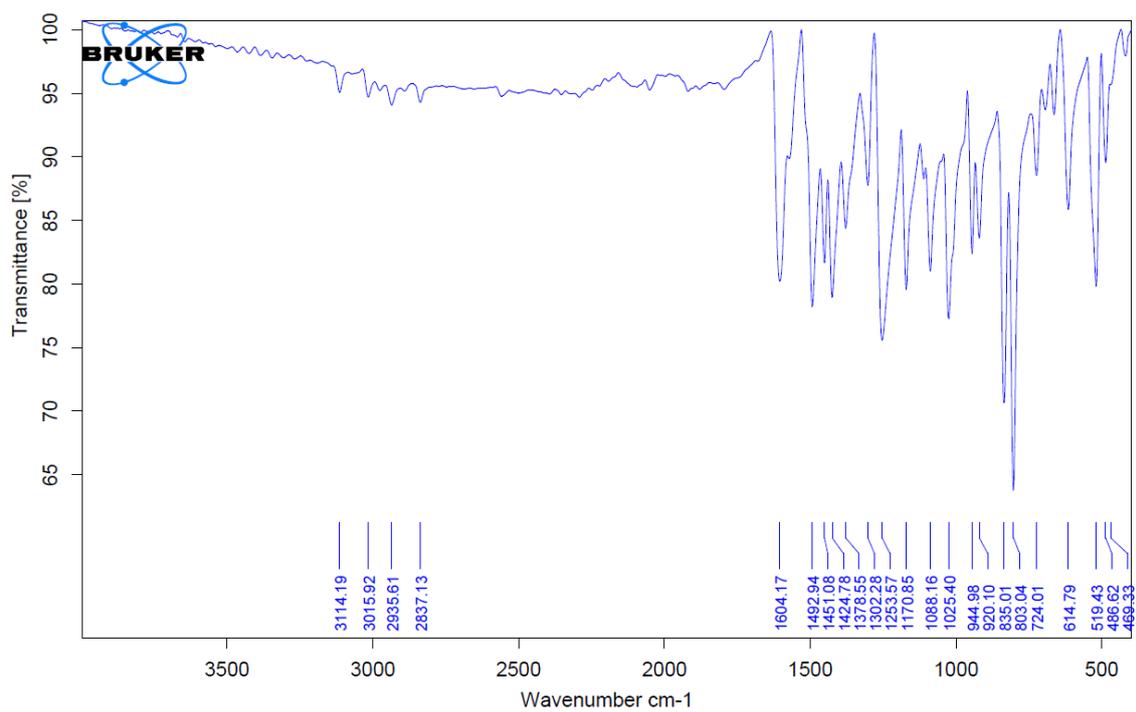
IR Spectrum of 5p



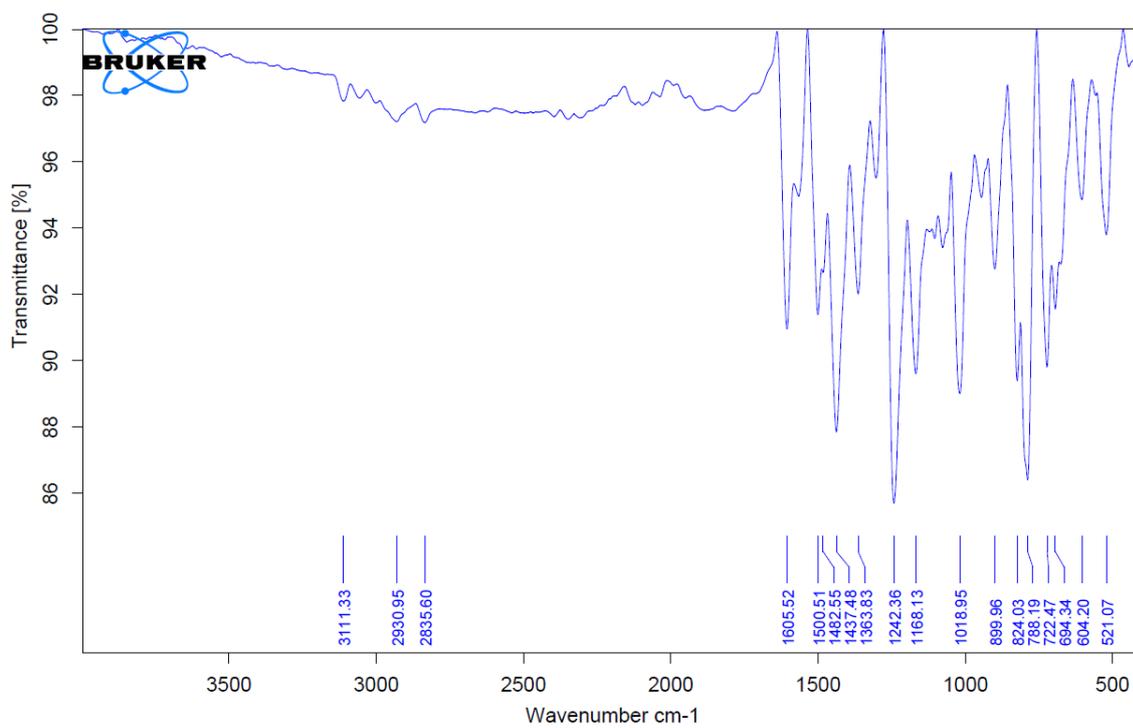
IR Spectrum of 5q



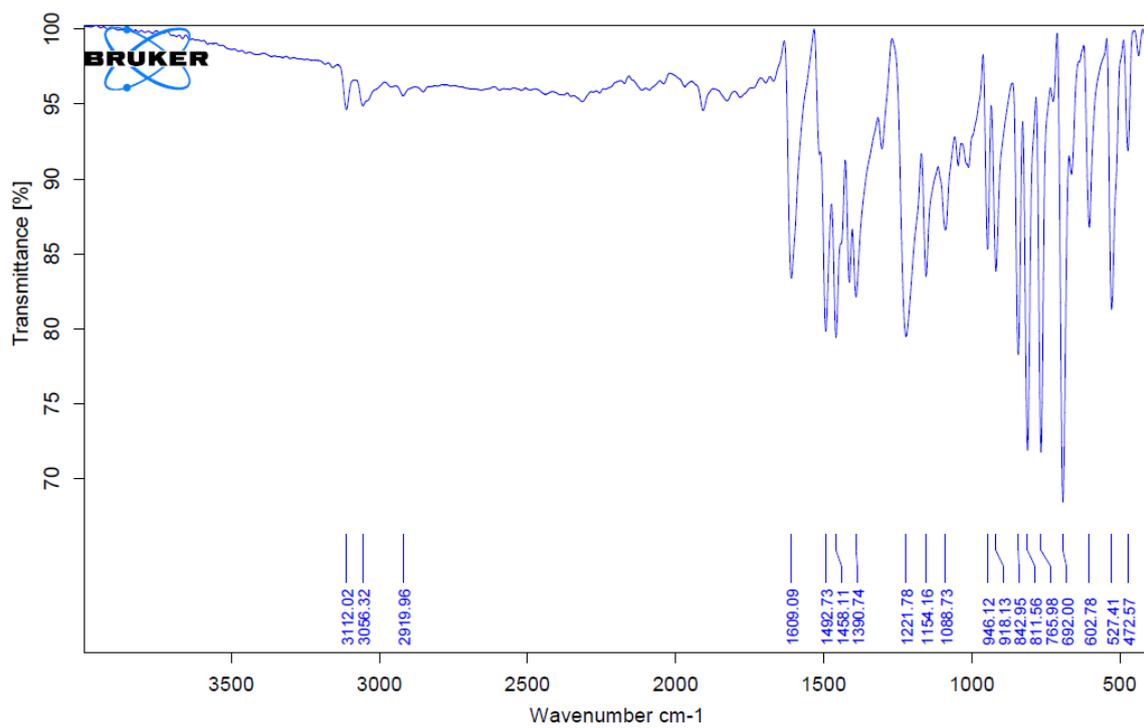
IR Spectrum of 5r



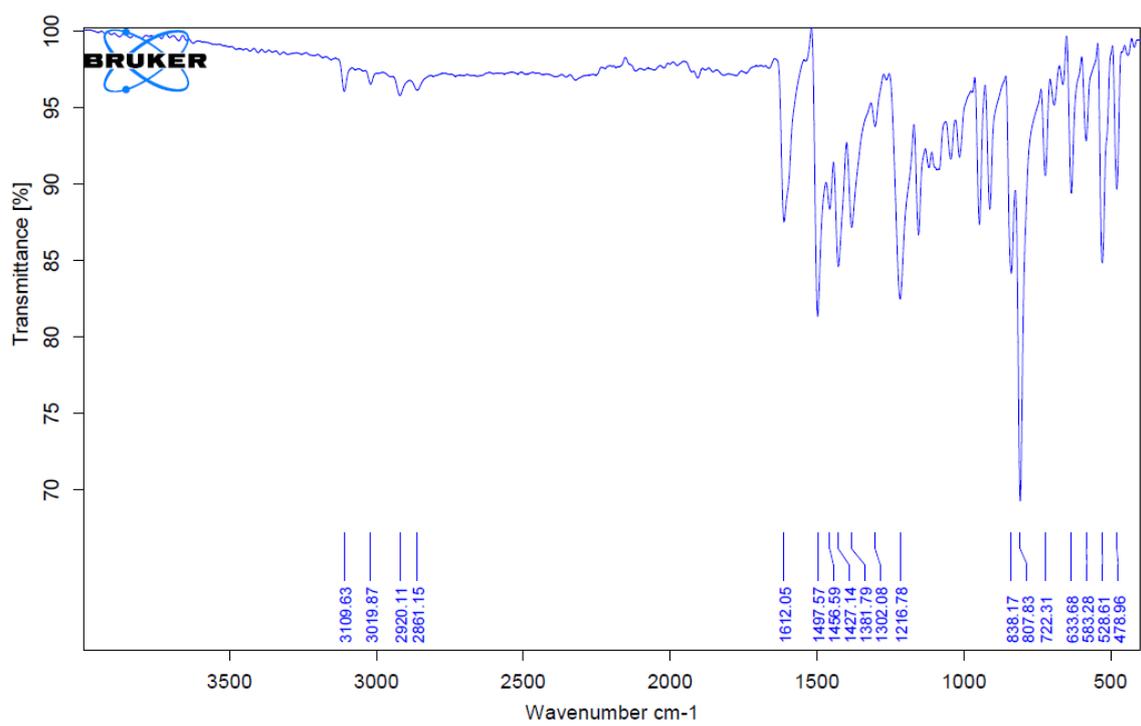
IR Spectrum of 5s



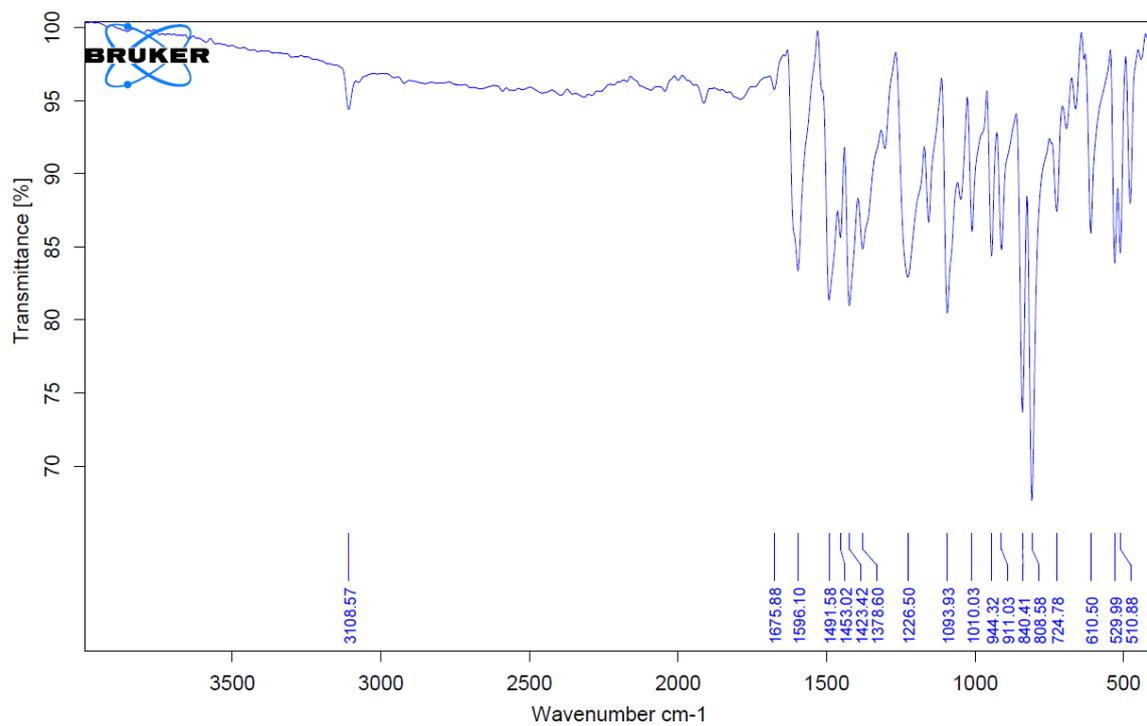
IR Spectrum of 5t



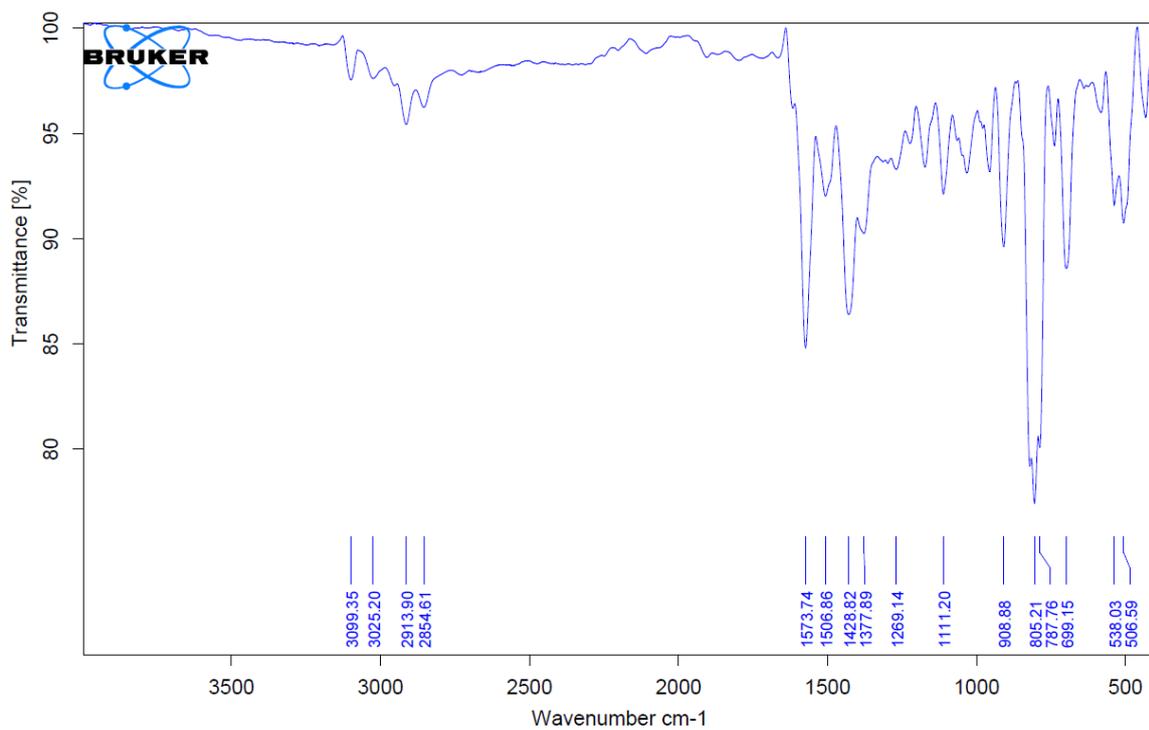
IR Spectrum of 5u



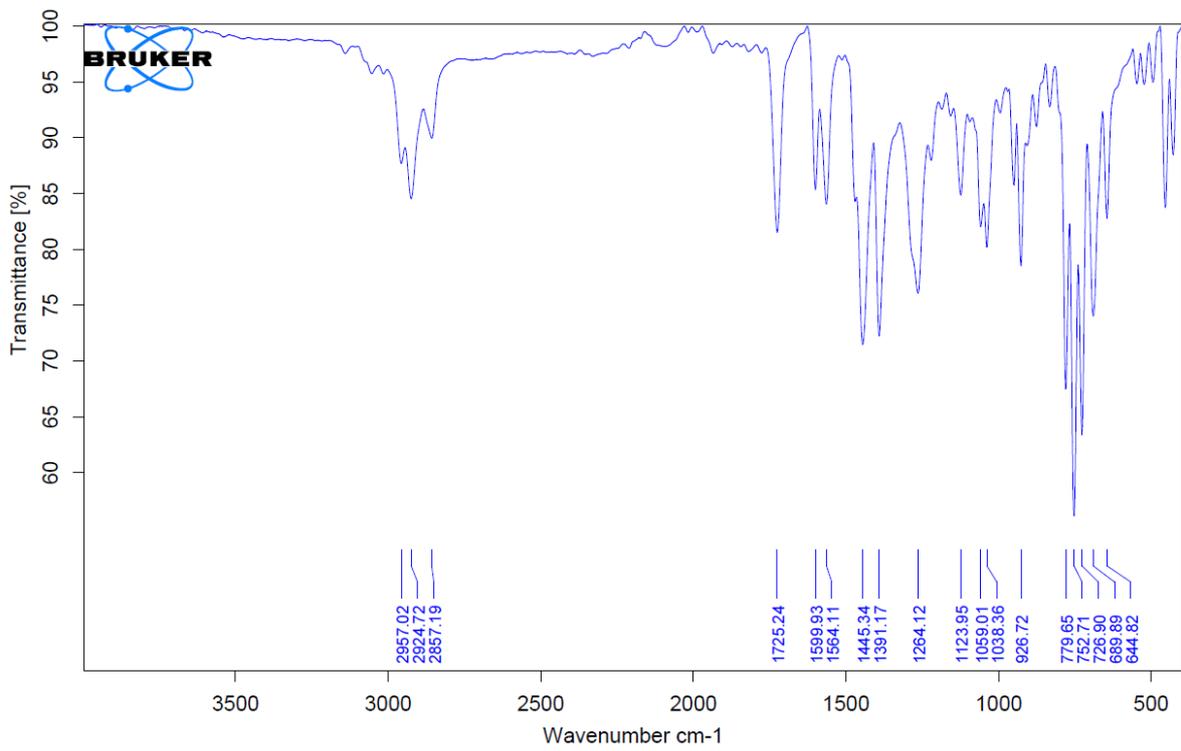
IR Spectrum of 5v



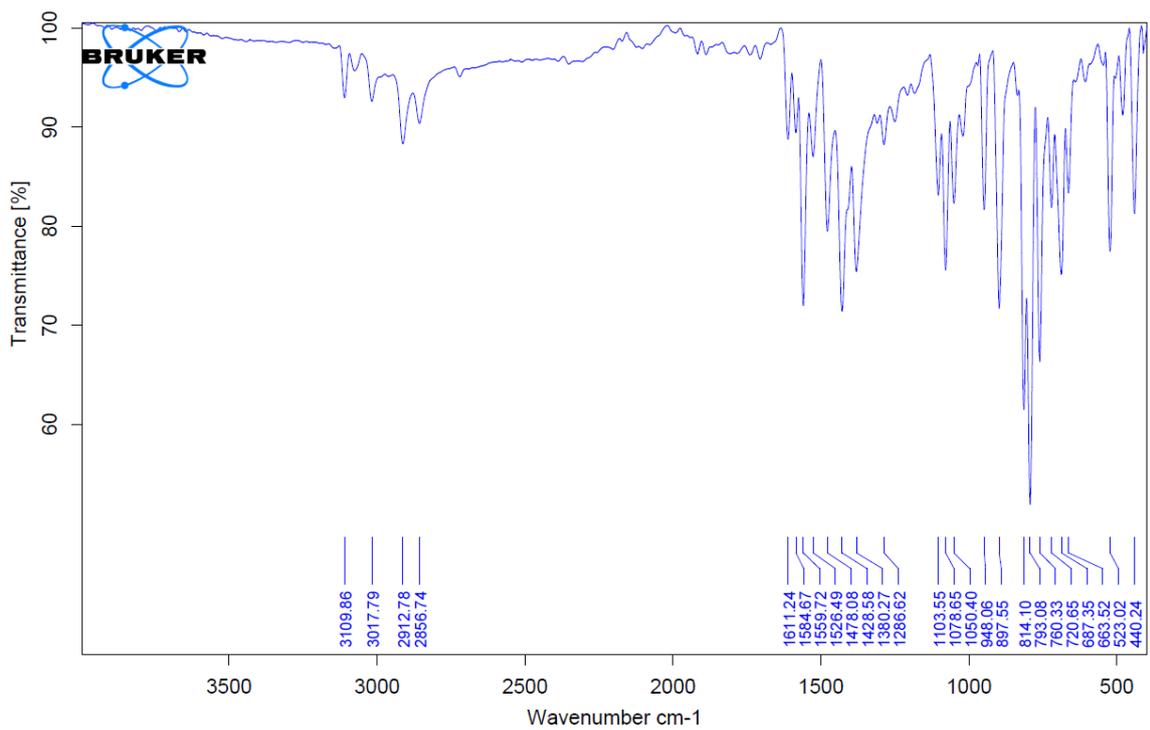
IR Spectrum of 5w



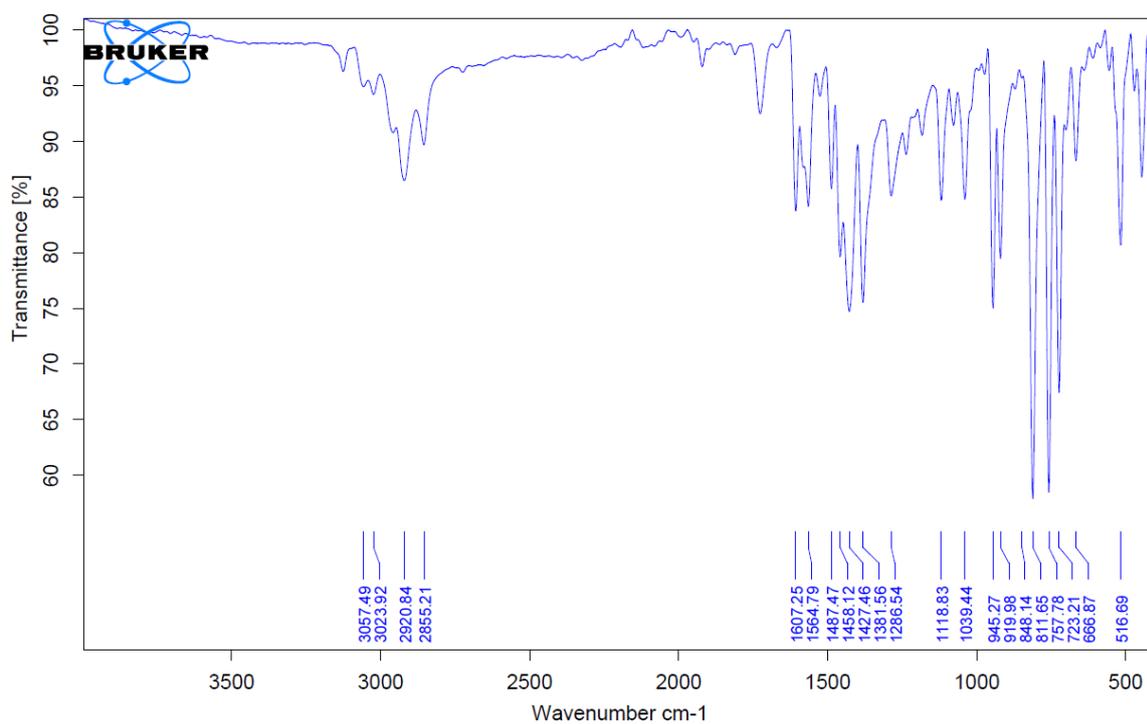
IR Spectrum of 5x



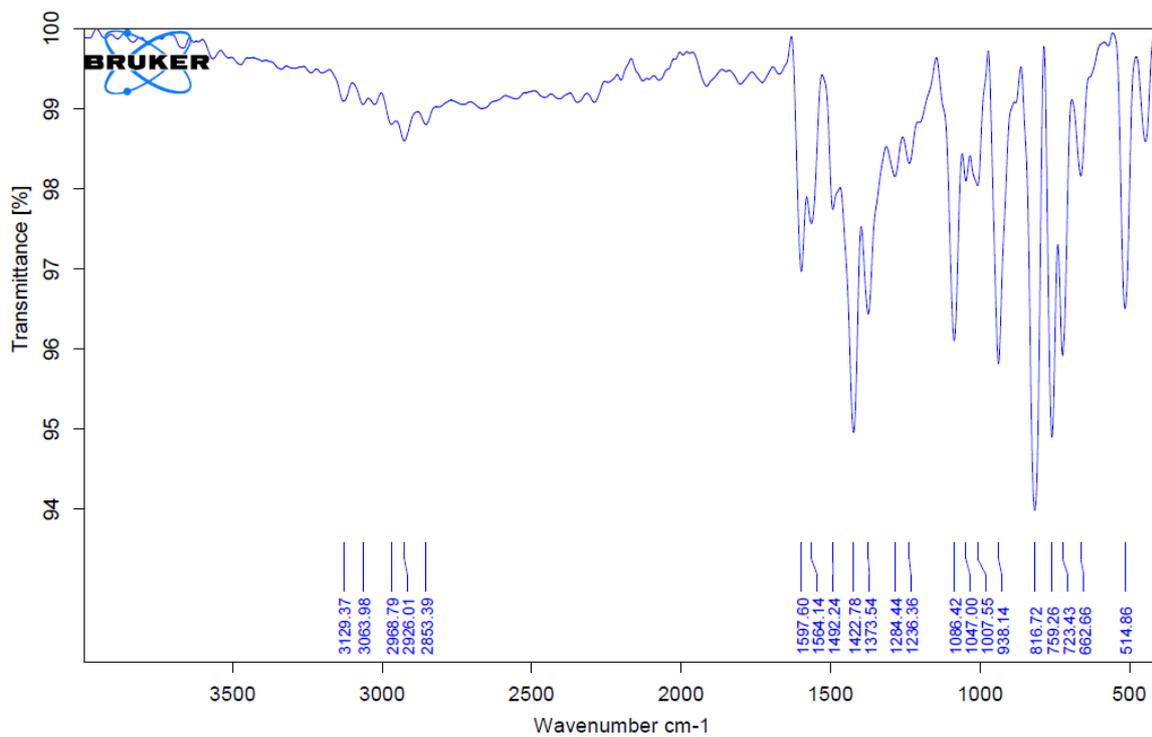
IR Spectrum of 5y



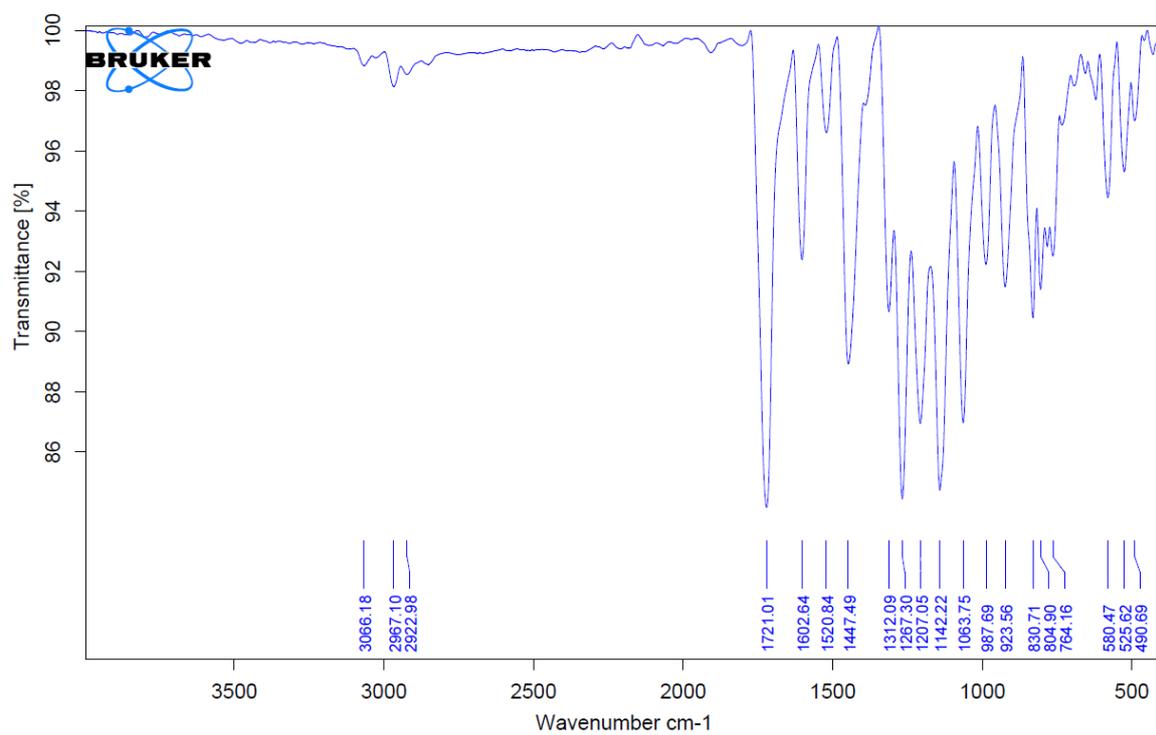
IR Spectrum of 5z



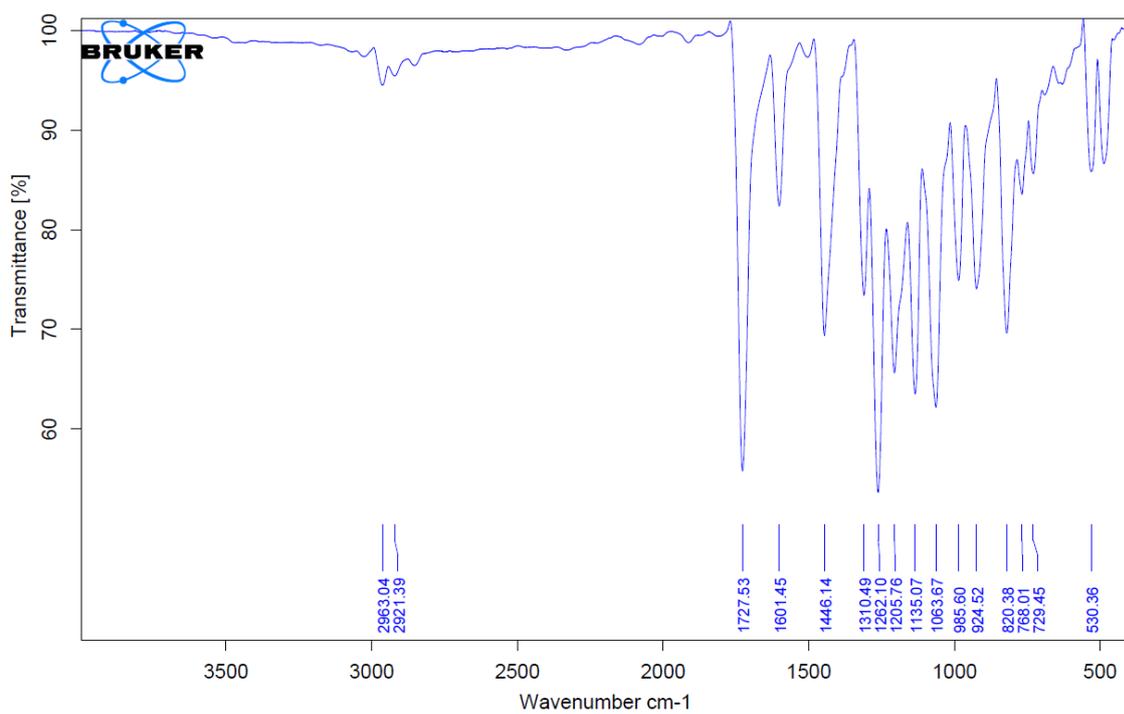
IR Spectrum of 5aa



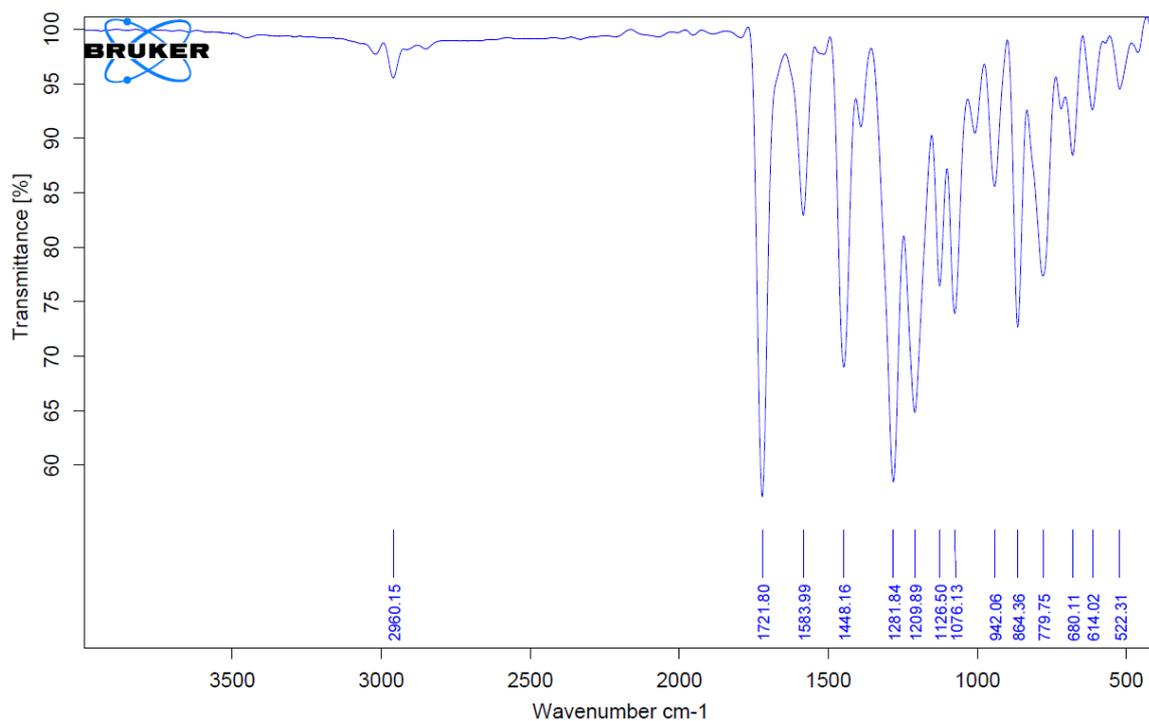
IR Spectrum of 6a



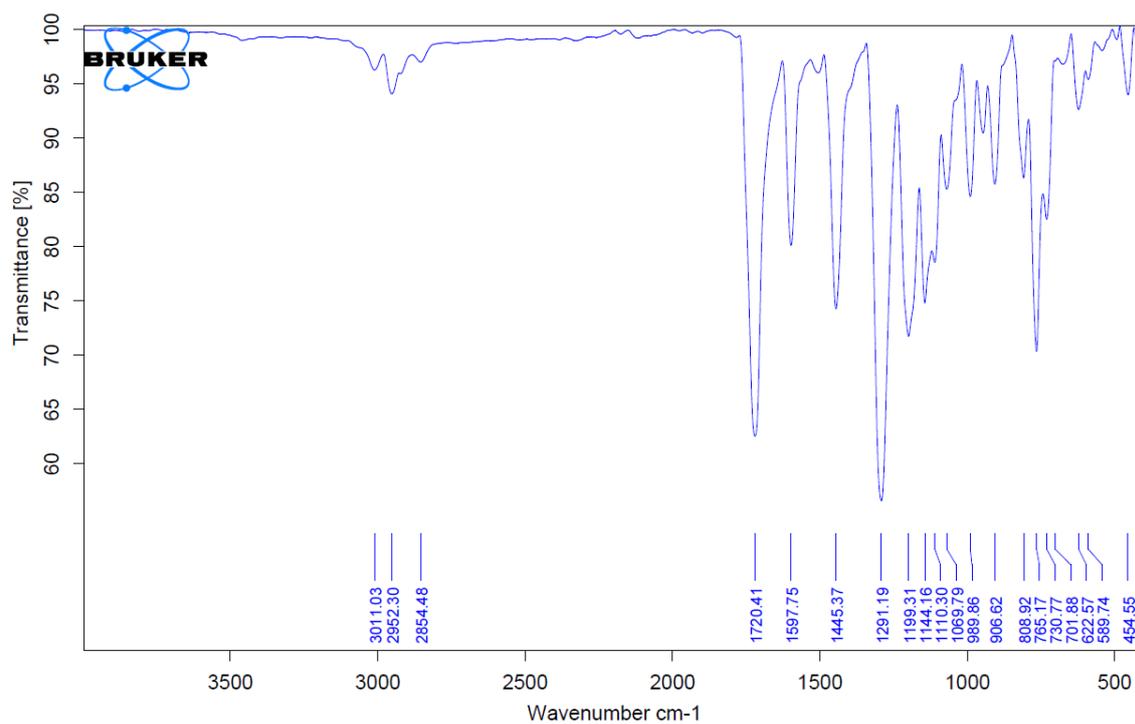
IR Spectrum of 6b



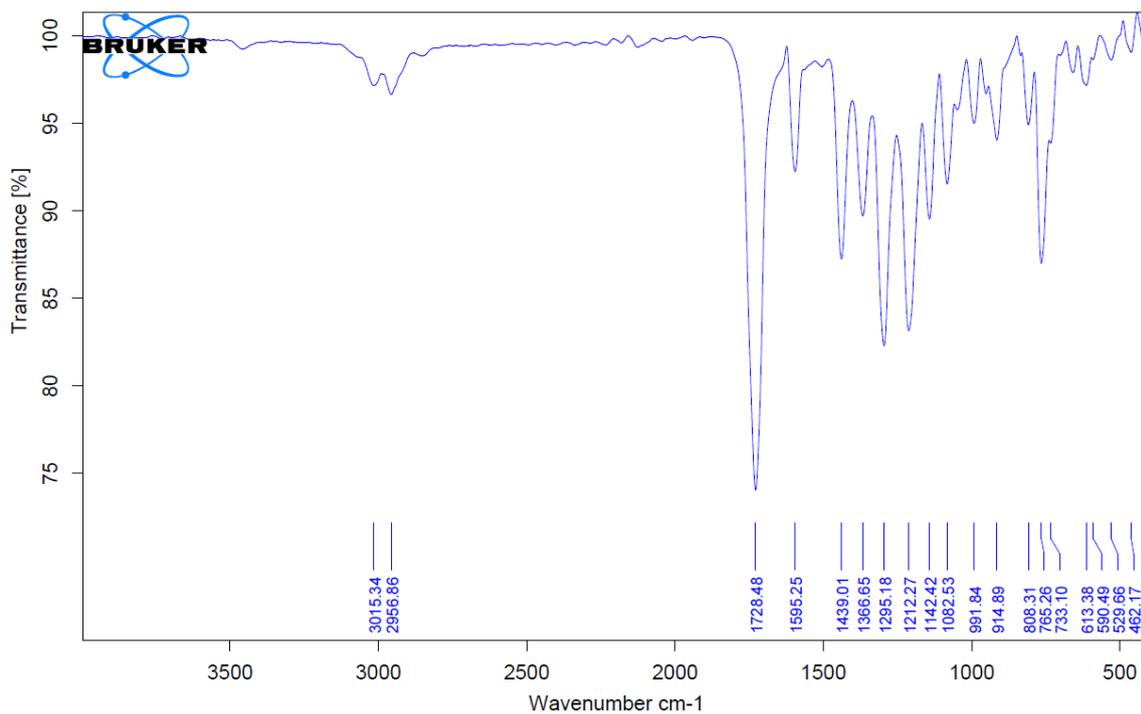
IR Spectrum of 6c



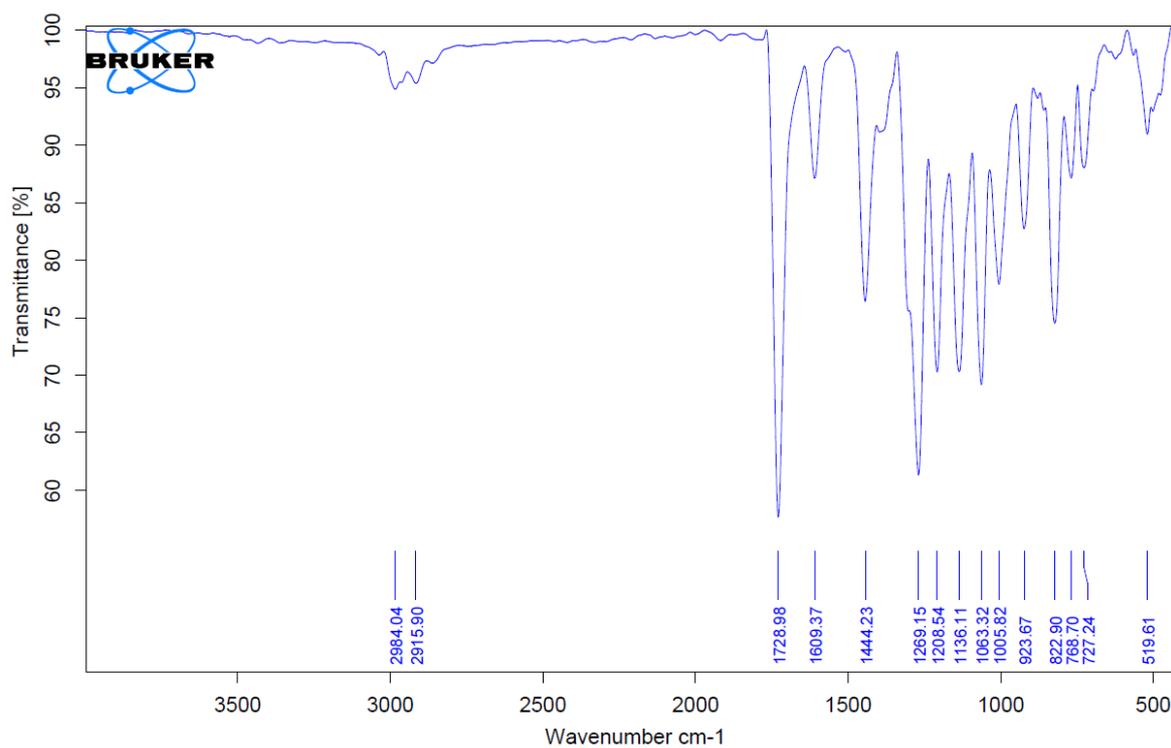
IR Spectrum of 6d



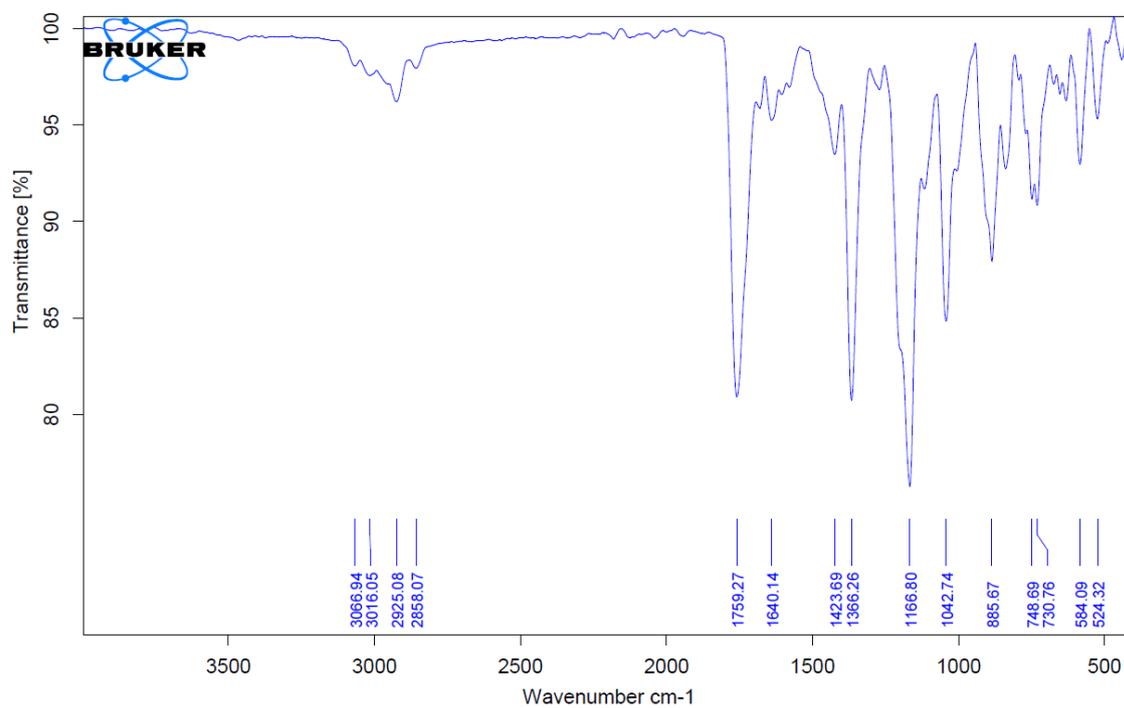
IR Spectrum of 6e



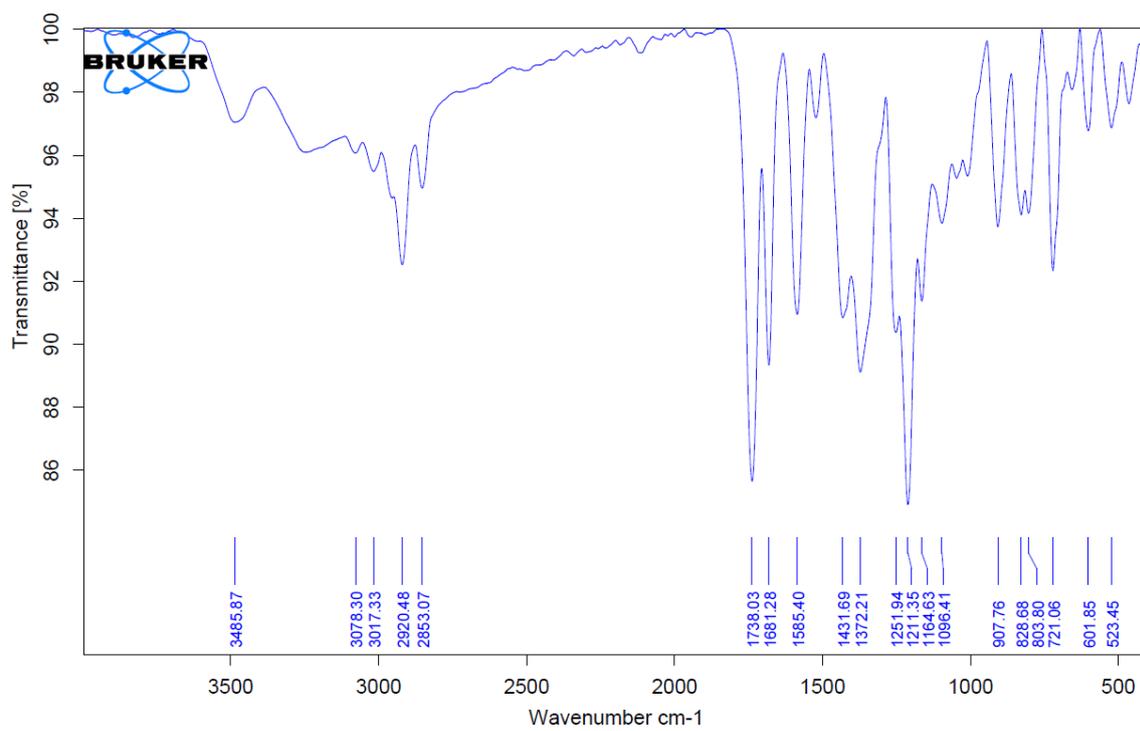
IR Spectrum of 6f



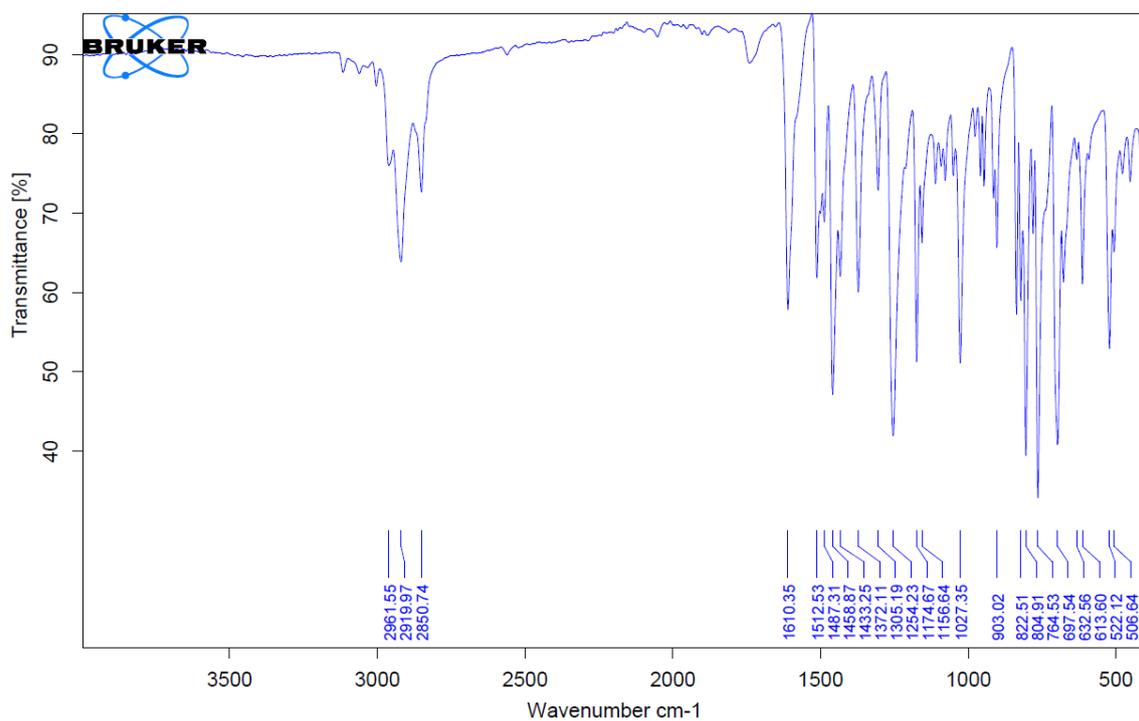
IR Spectrum of 7



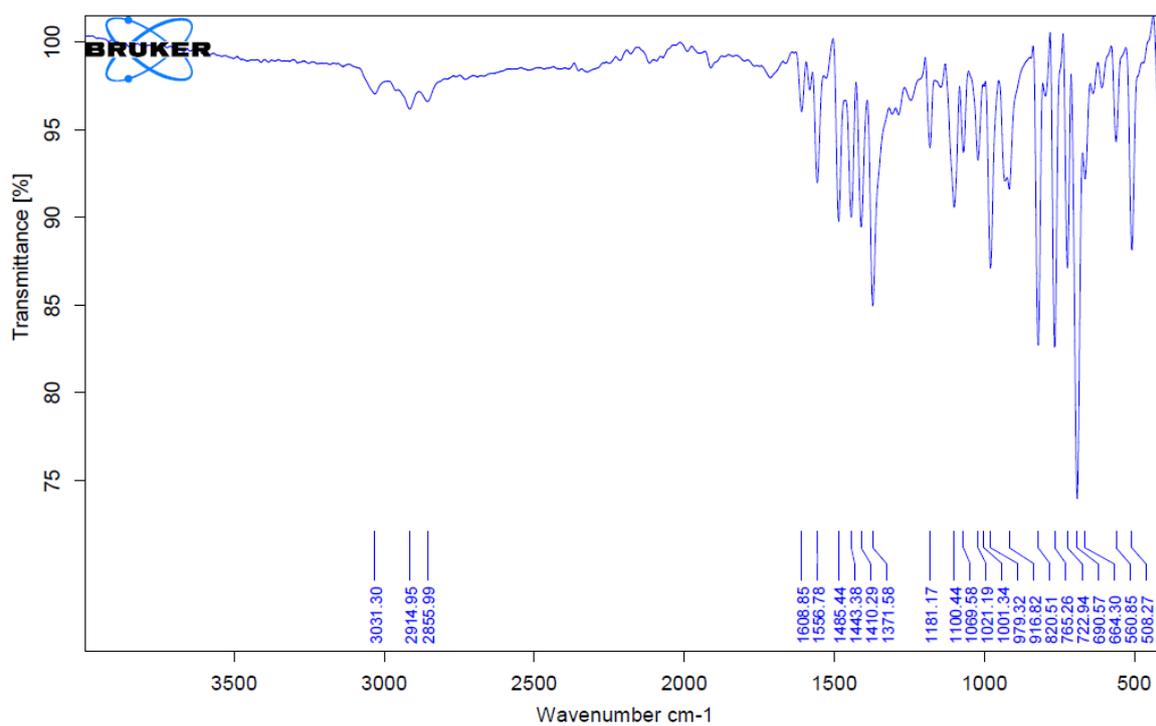
IR Spectrum of 8



IR Spectrum of 9



IR Spectrum of 10

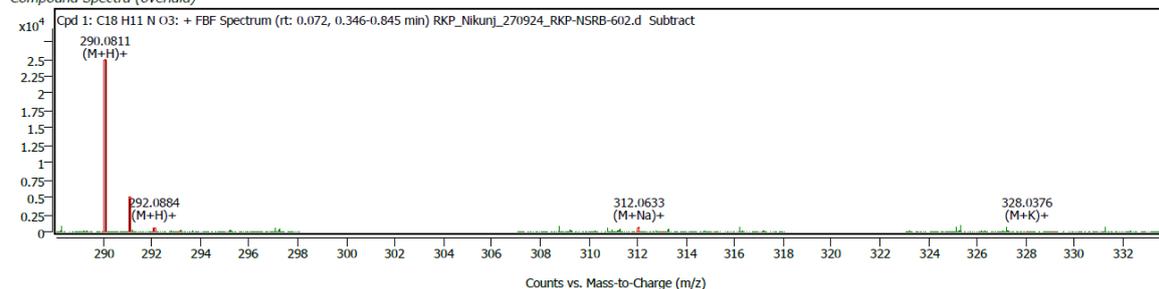


HRMS Spectrum of 3a

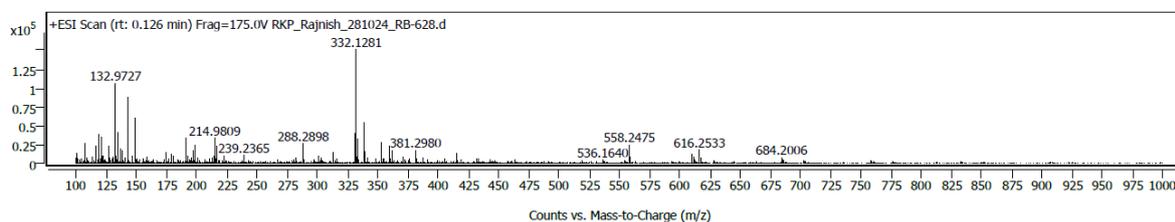
Cpd. 1: C18 H11 N O3

Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C18 H11 N O3	289.0739	99.76	FBF	-0.0271708132496771	Positive

Compound Spectra (overlaid)



HRMS Spectrum of 3b

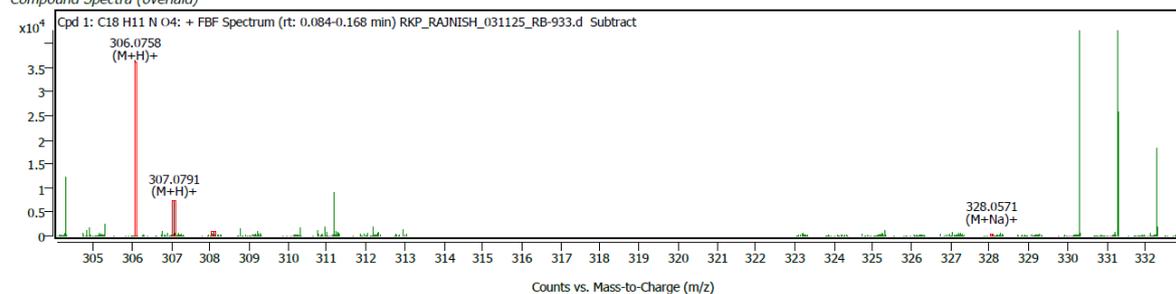


HRMS Spectrum of 3c

Cpd. 1: C18 H11 N O4

Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C18 H11 N O4	305.0685	99.21	FBF	-0.865942856743393	Positive

Compound Spectra (overlaid)

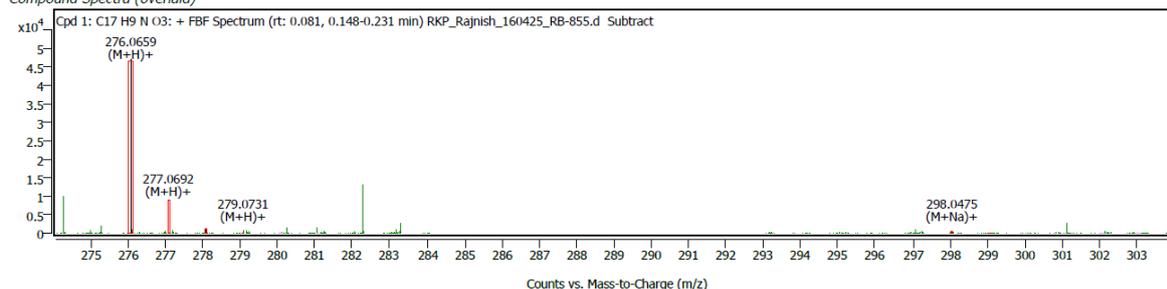


HRMS Spectrum of 3d

Cpd. 1: C17 H9 N O3

Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C17 H9 N O3	275.0586	99.35	FBF	1.32432002853909	Positive

Compound Spectra (overlaid)

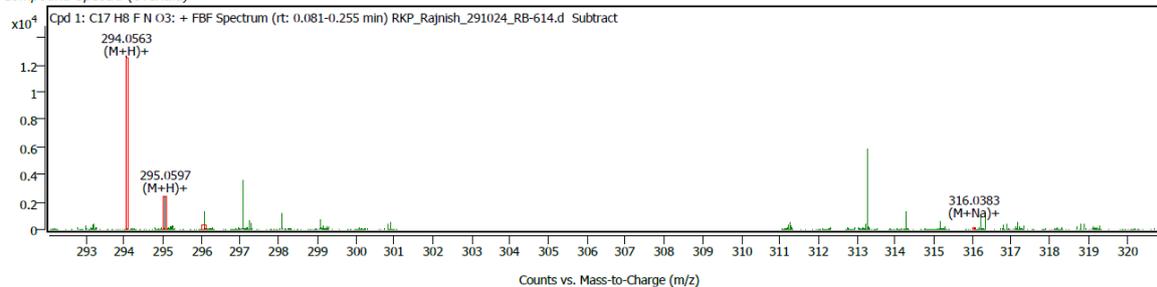


HRMS Spectrum of 3e

Cpd. 1: C₁₇H₈F₃N₃O₃

Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C ₁₇ H ₈ F ₃ N ₃ O ₃	293.0490	98.59	FBF	0.71346263601502	Positive

Compound Spectra (overlaid)

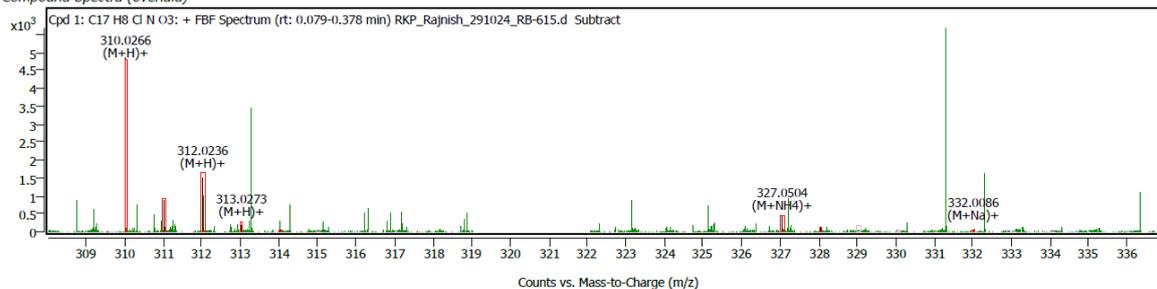


HRMS Spectrum of 3f

Cpd. 1: C₁₇H₈Cl₂N₃O₃

Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C ₁₇ H ₈ Cl ₂ N ₃ O ₃	309.0190	97.63	FBF	-0.853040742997877	Positive

Compound Spectra (overlaid)

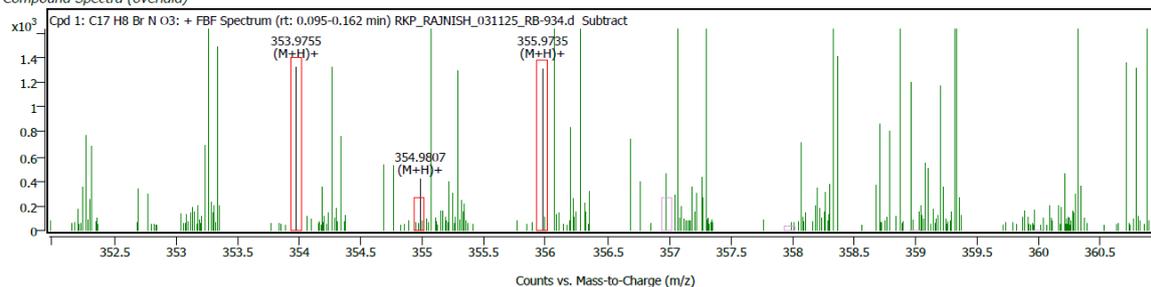


HRMS Spectrum of 3g

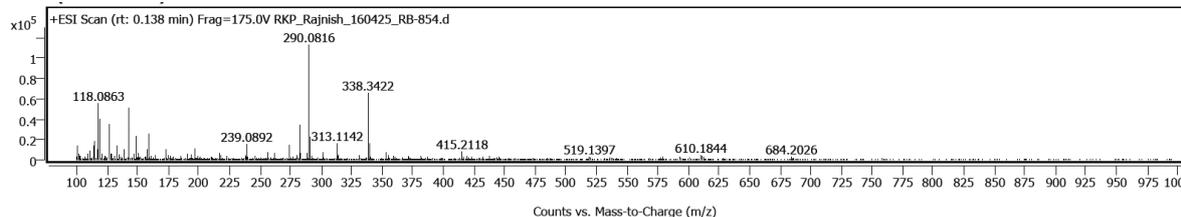
Cpd. 1: C₁₇H₈Br₂N₃O₃

Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C ₁₇ H ₈ Br ₂ N ₃ O ₃	352.9684	72.91	FBF	-0.884752311271461	Positive

Compound Spectra (overlaid)



HRMS Spectrum of 3h

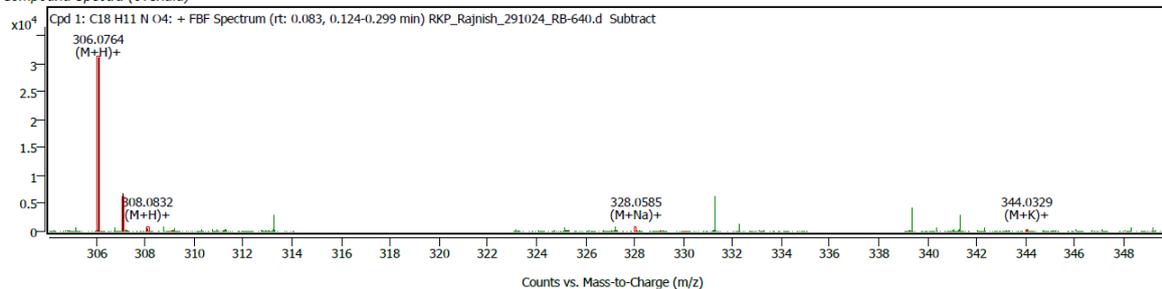


HRMS Spectrum of 3i

Cpd. 1: C18 H11 N O4

Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C18 H11 N O4	305.0692	98.39	FBF	1.20191217059353	Positive

Compound Spectra (overlaid)

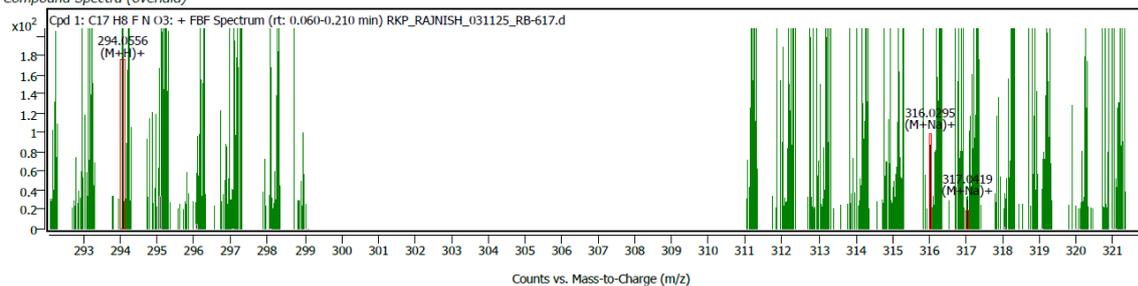


HRMS Spectrum of 3j

Cpd. 1: C17 H8 F N O3

Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C17 H8 F N O3	293.0461	46.73	FBF	-9.42051198329465	Positive

Compound Spectra (overlaid)

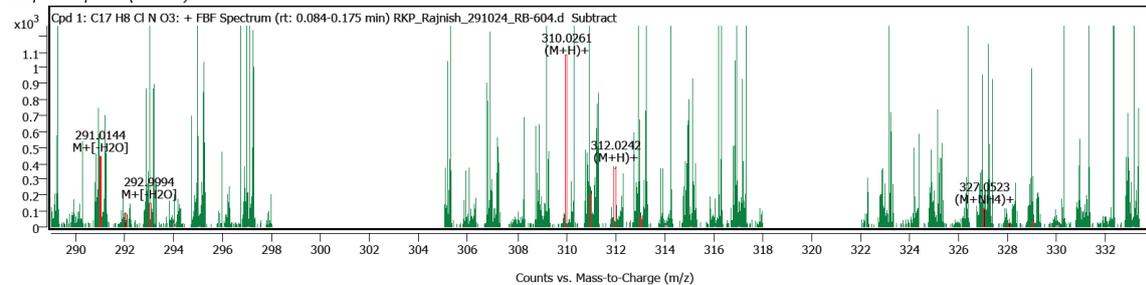


HRMS Spectrum of 3k

Cpd. 1: C17 H8 Cl N O3

Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C17 H8 Cl N O3	309.0199	95.66	FBF	2.18085496560311	Positive

Compound Spectra (overlaid)

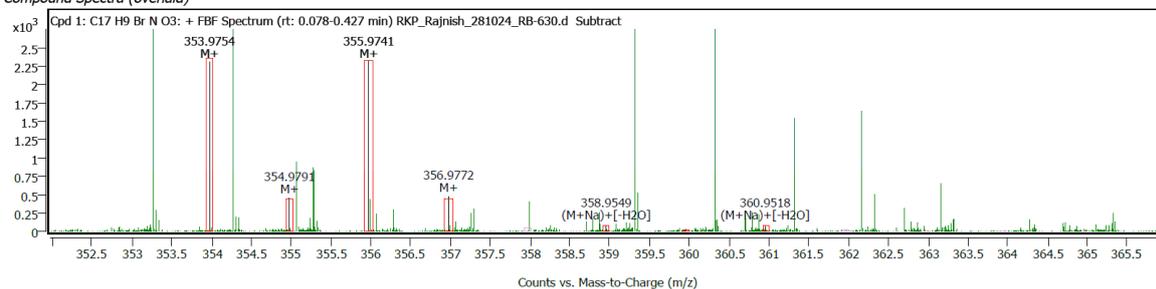


HRMS Spectrum of 3l

Cpd. 1: C17 H9 Br N O3

Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C17 H9 Br N O3	353.9763	98.64	FBF	-0.85657073151872	Positive

Compound Spectra (overlaid)

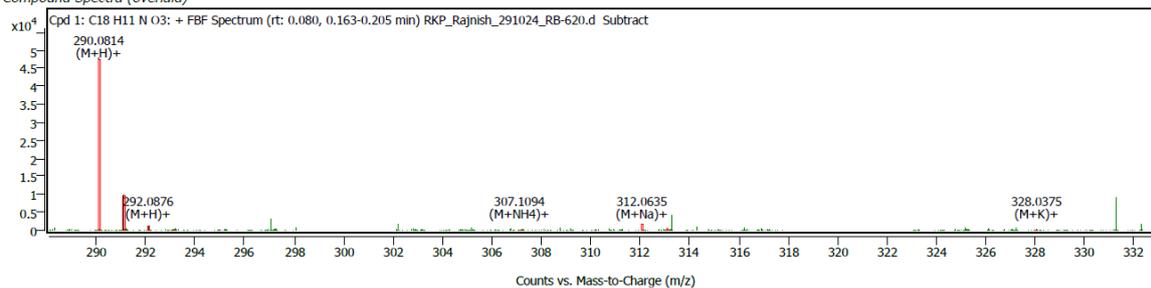


HRMS Spectrum of 3m

Cpd. 1: C18 H11 N O3

Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C18 H11 N O3	289.0741	99.75	FBF	0.813662094031977	Positive

Compound Spectra (overlaid)

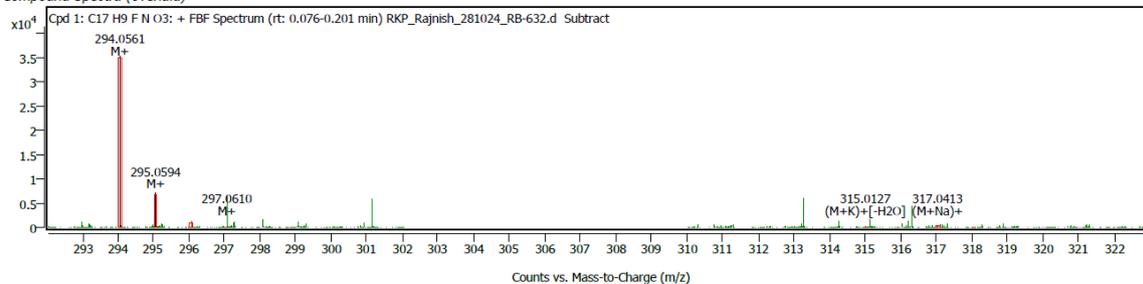


HRMS Spectrum of 3n

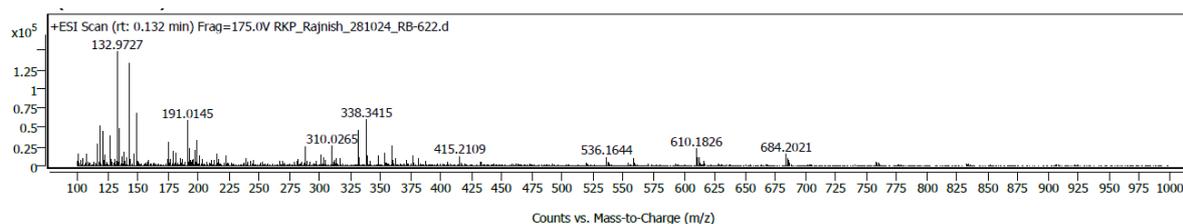
Cpd. 1: C17 H9 F N O3

Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C17 H9 F N O3	294.0566	98.00	FBF	-0.0115575639161922	Positive

Compound Spectra (overlaid)



HRMS Spectrum of 3o

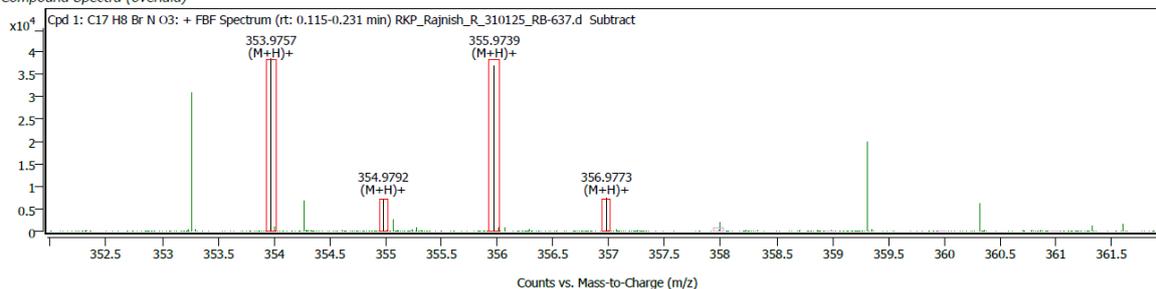


HRMS Spectrum of 3p

Cpd. 1: C17 H8 Br N O3

Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C17 H8 Br N O3	352.9685	98.94	FBF	-0.750411952384729	Positive

Compound Spectra (overlaid)

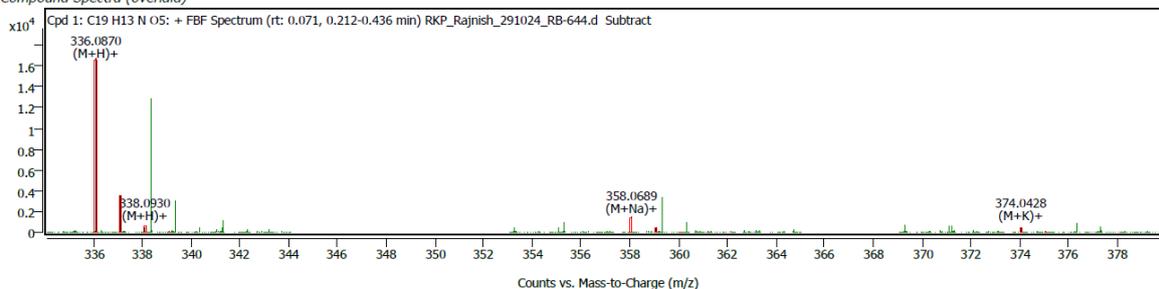


HRMS Spectrum of 3r

Cpd. 1: C19 H13 N O5

Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C19 H13 N O5	335.0797	99.47	FBF	1.11100188596448	Positive

Compound Spectra (overlaid)

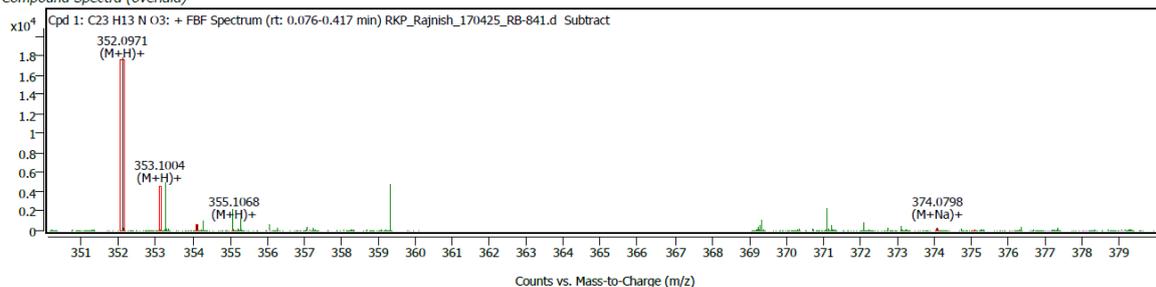


HRMS Spectrum of 3s

Cpd. 1: C23 H13 N O3

Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C23 H13 N O3	351.0898	99.71	FBF	0.808432849291362	Positive

Compound Spectra (overlaid)

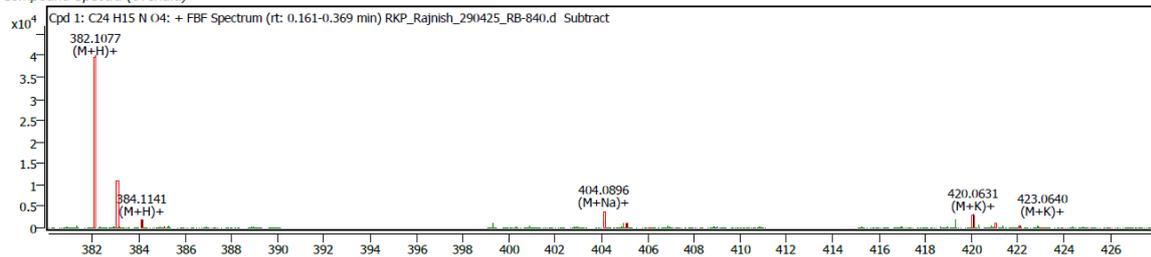


HRMS Spectrum of 3t

Cpd. 1: C₂₄H₁₅N O₄

Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C ₂₄ H ₁₅ N O ₄	381.1004	99.71	FBF	0.65143854294731	Positive

Compound Spectra (overlaid)

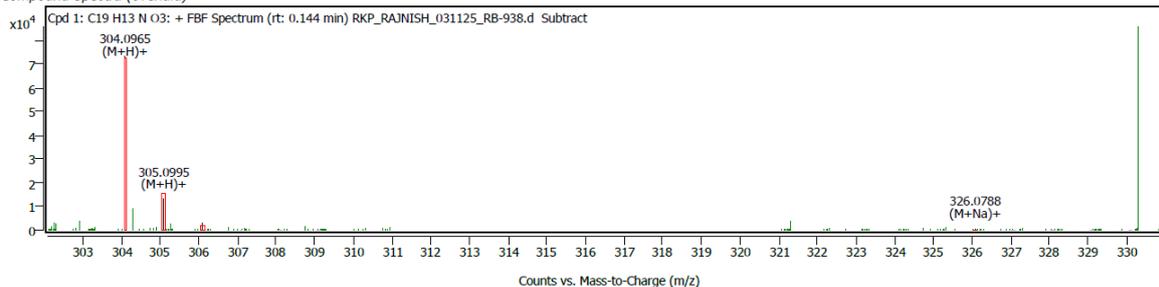


HRMS Spectrum of 3u

Cpd. 1: C₁₉H₁₃N O₃

Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C ₁₉ H ₁₃ N O ₃	303.0892	96.18	FBF	-1.15228126516877	Positive

Compound Spectra (overlaid)

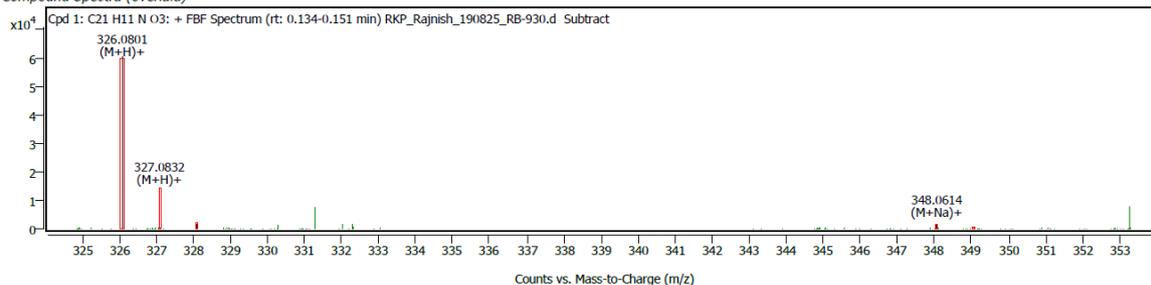


HRMS Spectrum of 4a

Cpd. 1: C₂₁H₁₁N O₃

Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C ₂₁ H ₁₁ N O ₃	325.0728	96.04	FBF	-3.47750751926488	Positive

Compound Spectra (overlaid)

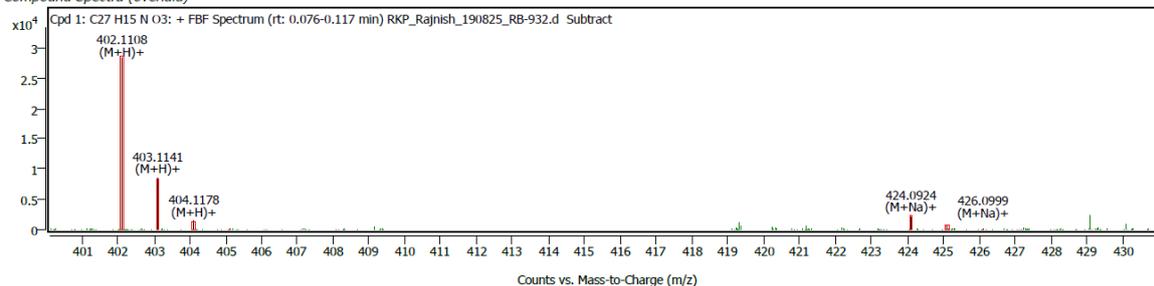


HRMS Spectrum of 4c

Cpd. 1: C27 H15 N O3

Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C27 H15 N O3	401.1036	93.55	FBF	-4.05526502755034	Positive

Compound Spectra (overlaid)

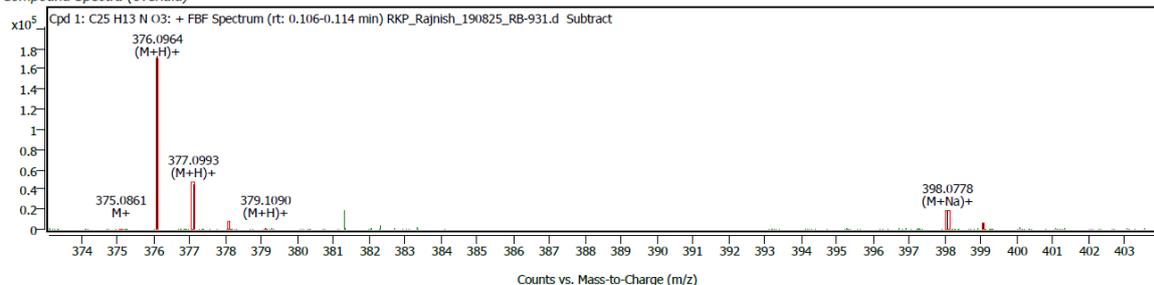


HRMS Spectrum of 4d

Cpd. 1: C25 H13 N O3

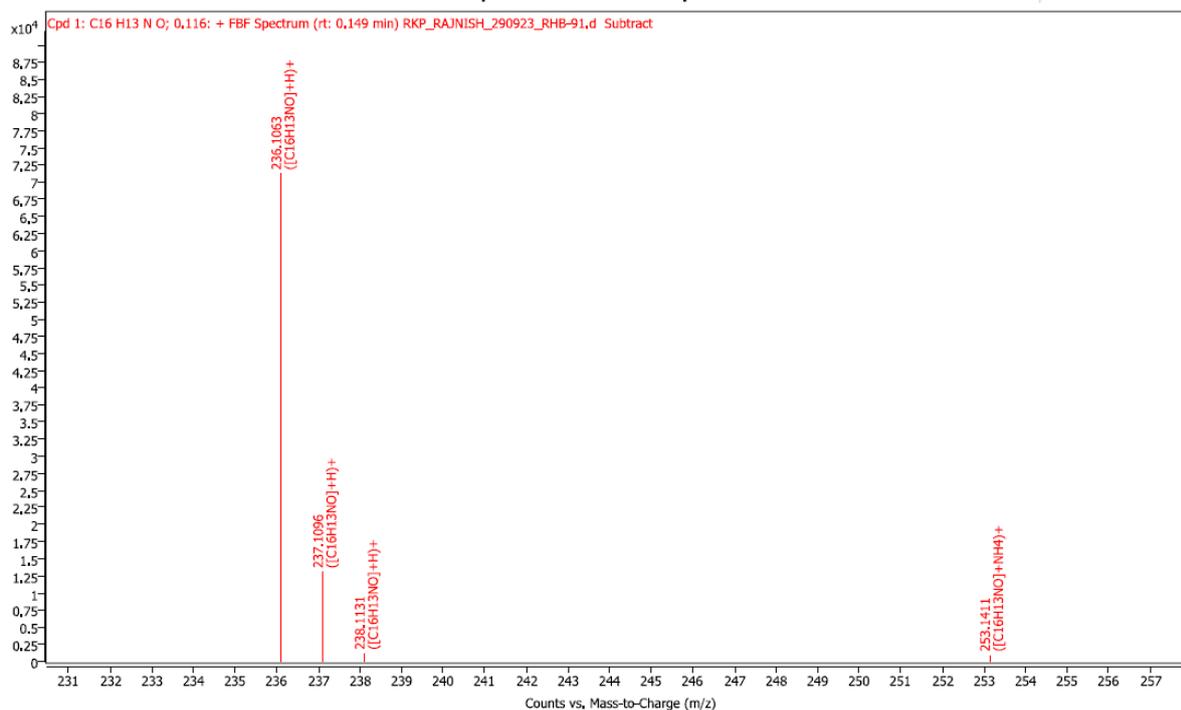
Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C25 H13 N O3	375.0890	98.38	FBF	-1.40118858107514	Positive

Compound Spectra (overlaid)



HRMS Spectrum of 5a

Spectrum Plot Report

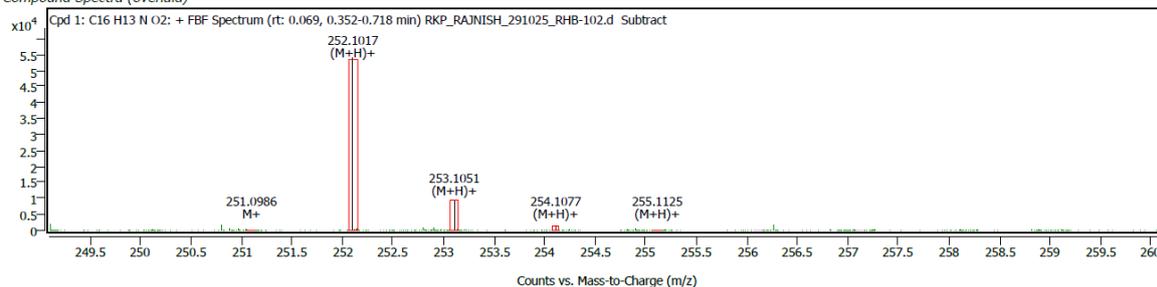


HRMS Spectrum of 5b

Cpd. 1: C₁₆H₁₃N O₂

Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C ₁₆ H ₁₃ N O ₂	251.0945	99.88	FBF	-0.615800928637462	Positive

Compound Spectra (overlaid)

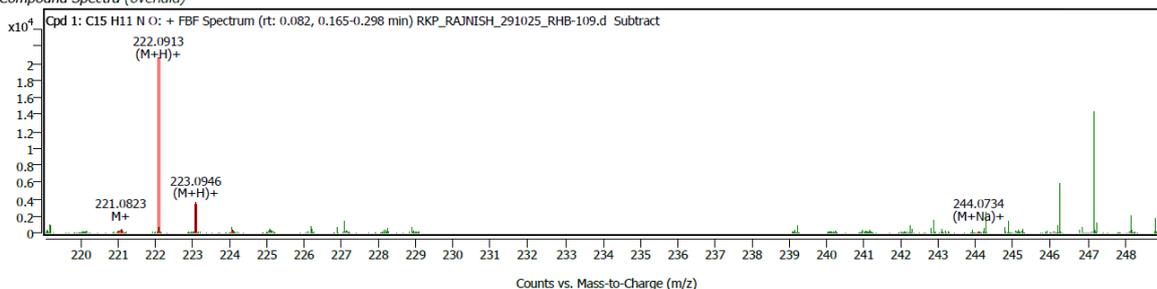


HRMS Spectrum of 5c

Cpd. 1: C₁₅H₁₁N O

Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C ₁₅ H ₁₁ N O	221.0840	99.79	FBF	-0.161670881788199	Positive

Compound Spectra (overlaid)

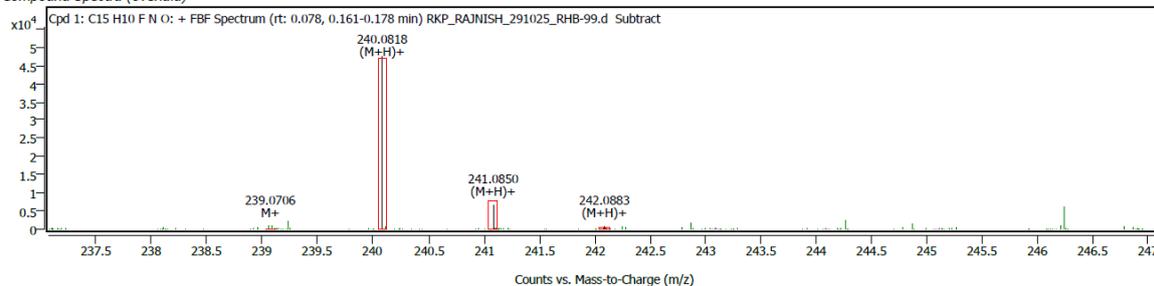


HRMS Spectrum of 5d

Cpd. 1: C₁₅H₁₀F N O

Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C ₁₅ H ₁₀ F N O	239.0745	97.54	FBF	-0.424535338658126	Positive

Compound Spectra (overlaid)

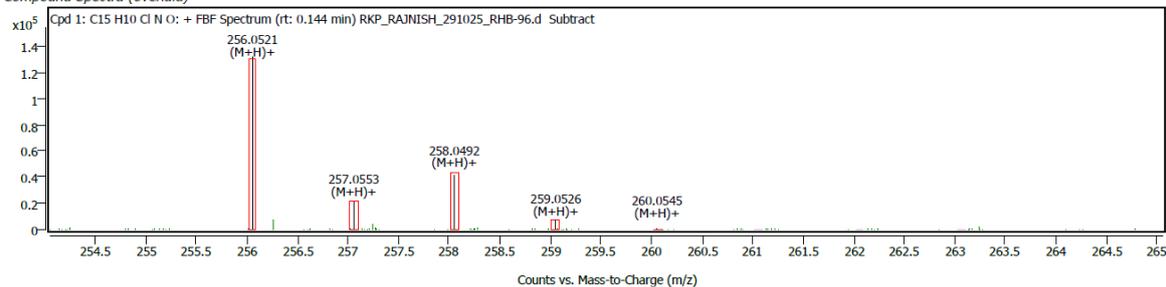


HRMS Spectrum of 5e

Cpd. 1: C₁₅H₁₀ClN₂O

Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C ₁₅ H ₁₀ ClN ₂ O	255.0447	99.01	FBF	-1.35869840965855	Positive

Compound Spectra (overlaid)

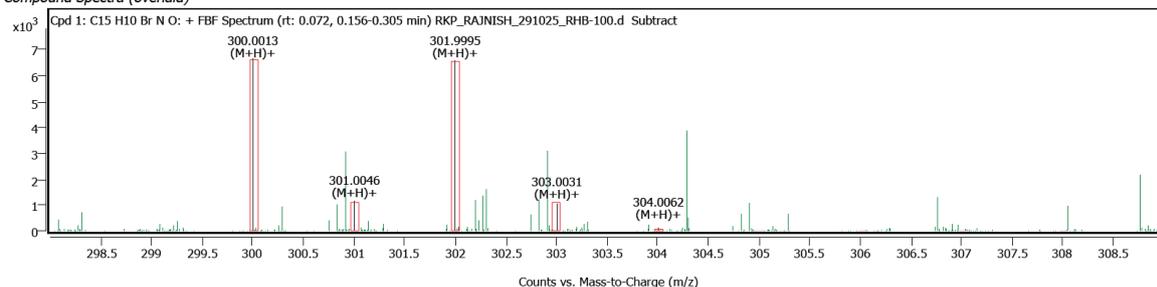


HRMS Spectrum of 5f

Cpd. 1: C₁₅H₁₀BrN₂O

Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C ₁₅ H ₁₀ BrN ₂ O	298.9941	99.10	FBF	-1.58614204317766	Positive

Compound Spectra (overlaid)

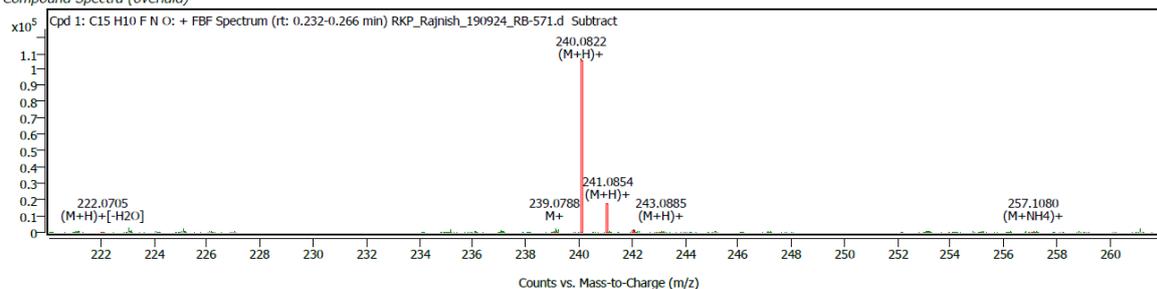


HRMS Spectrum of 5g

Cpd. 1: C₁₅H₁₀FN₂O

Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C ₁₅ H ₁₀ FN ₂ O	239.0750	99.51	FBF	1.31667190627341	Positive

Compound Spectra (overlaid)

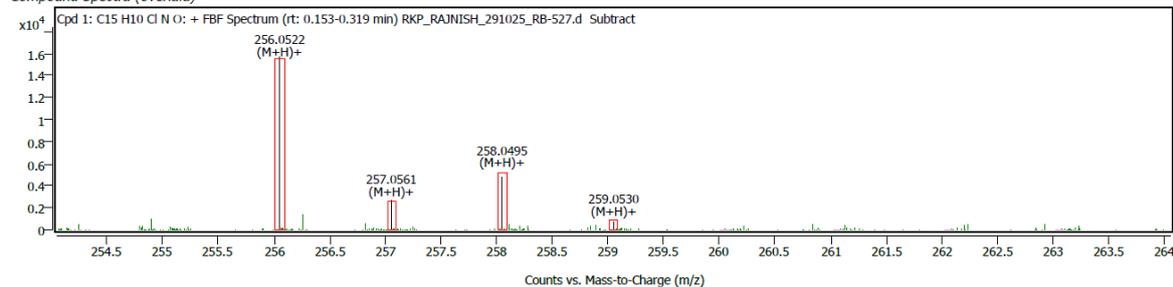


HRMS Spectrum of 5h

Cpd. 1: C₁₅H₁₀ClN₂O

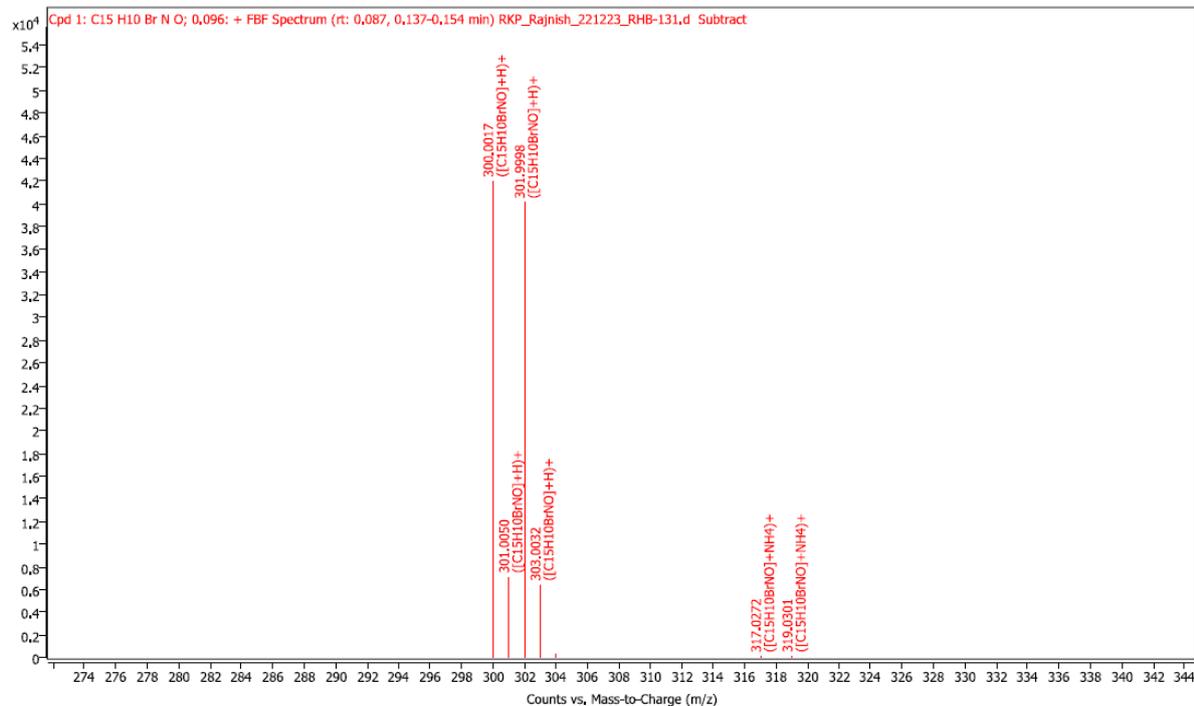
Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C ₁₅ H ₁₀ ClN ₂ O	255.0450	98.06	FBF	-0.387600010104522	Positive

Compound Spectra (overlaid)



HRMS Spectrum of 5i

Spectrum Plot Report

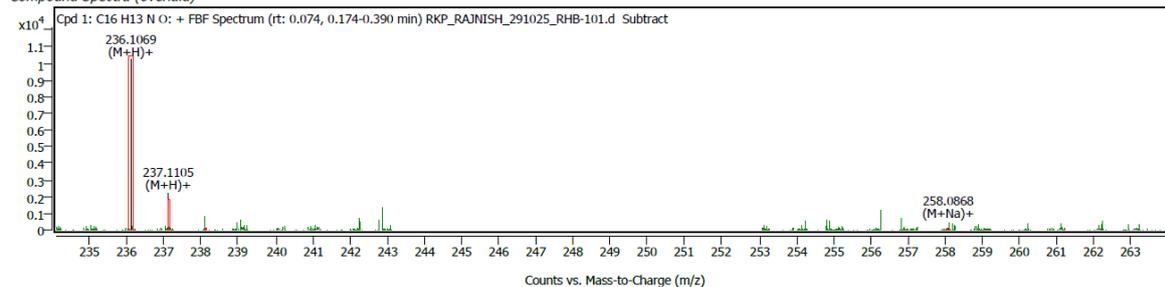


HRMS Spectrum of 5j

Cpd. 1: C₁₆H₁₃N₂O

Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C ₁₆ H ₁₃ N ₂ O	235.0997	95.80	FBF	-0.12431857374357	Positive

Compound Spectra (overlaid)

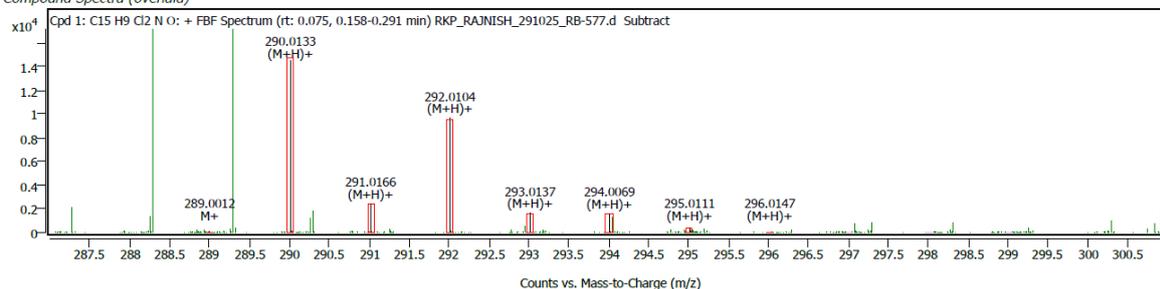


HRMS Spectrum of 5k

Cpd. 1: C15 H9 Cl2 N O

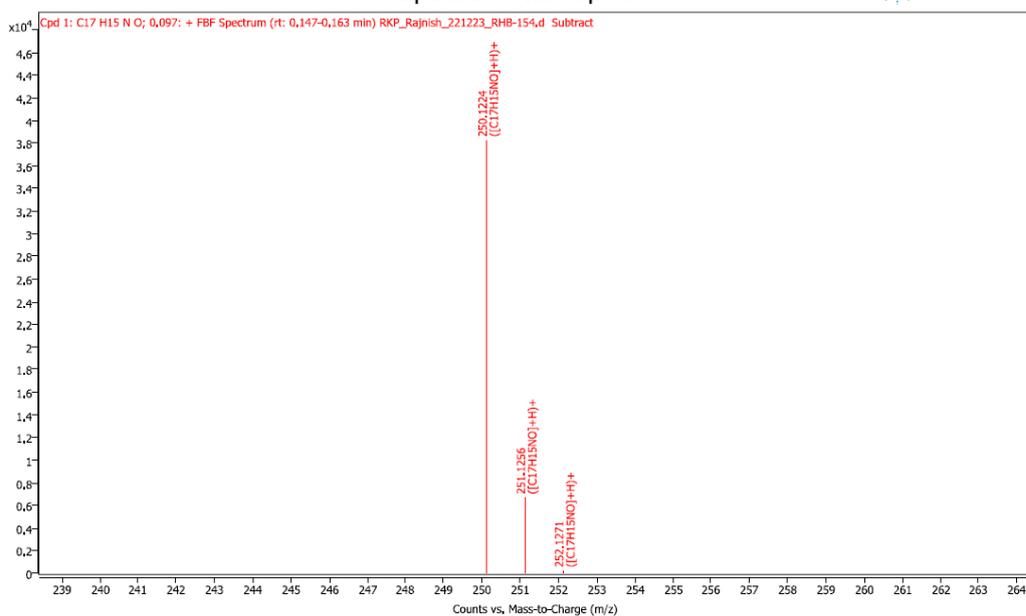
Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C15 H9 Cl2 N O	289.0059	99.73	FBF	-0.772635221838508	Positive

Compound Spectra (overlaid)



HRMS Spectrum of 5l

Spectrum Plot Report

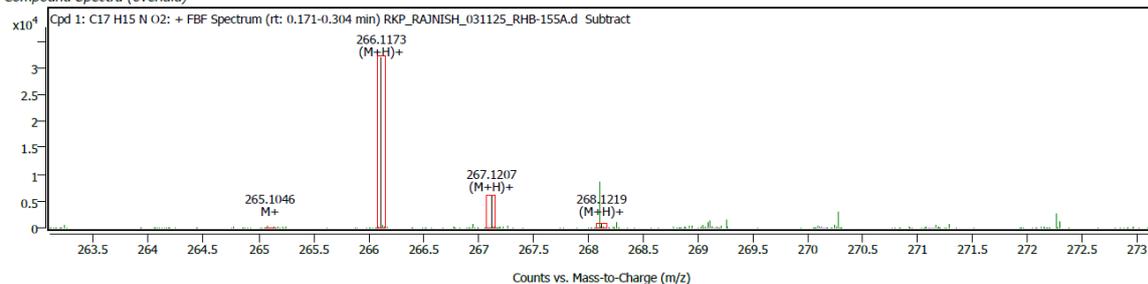


HRMS Spectrum of 5m

Cpd. 1: C17 H15 N O2

Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C17 H15 N O2	265.1100	99.47	FBF	-0.918290571955205	Positive

Compound Spectra (overlaid)

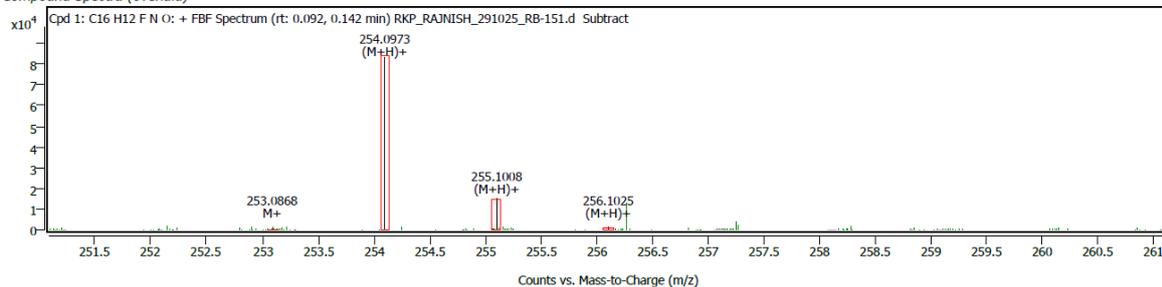


HRMS Spectrum of 5n

Cpd. 1: C₁₆H₁₂F₂N₂O

Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C ₁₆ H ₁₂ F ₂ N ₂ O	253.0901	99.62	FBF	-0.873442706655071	Positive

Compound Spectra (overlaid)

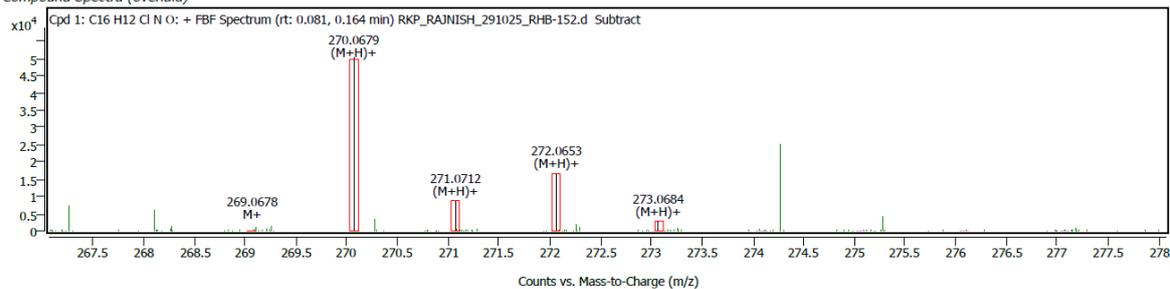


HRMS Spectrum of 5o

Cpd. 1: C₁₆H₁₂Cl₂N₂O

Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C ₁₆ H ₁₂ Cl ₂ N ₂ O	269.0607	99.69	FBF	-0.322732867073534	Positive

Compound Spectra (overlaid)

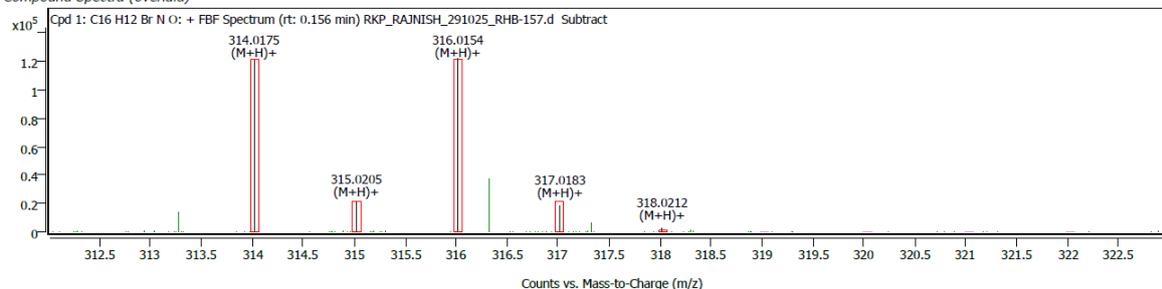


HRMS Spectrum of 5p

Cpd. 1: C₁₆H₁₂Br₂N₂O

Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C ₁₆ H ₁₂ Br ₂ N ₂ O	313.0101	99.10	FBF	-0.477855117284413	Positive

Compound Spectra (overlaid)

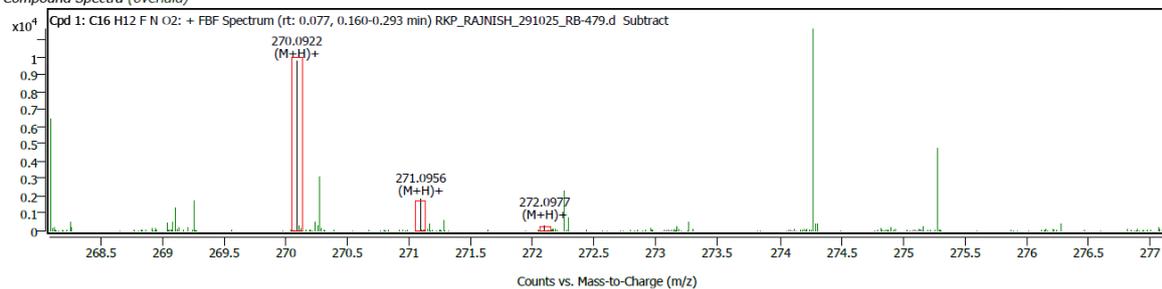


HRMS Spectrum of 5q

Cpd. 1: C16 H12 F N O2

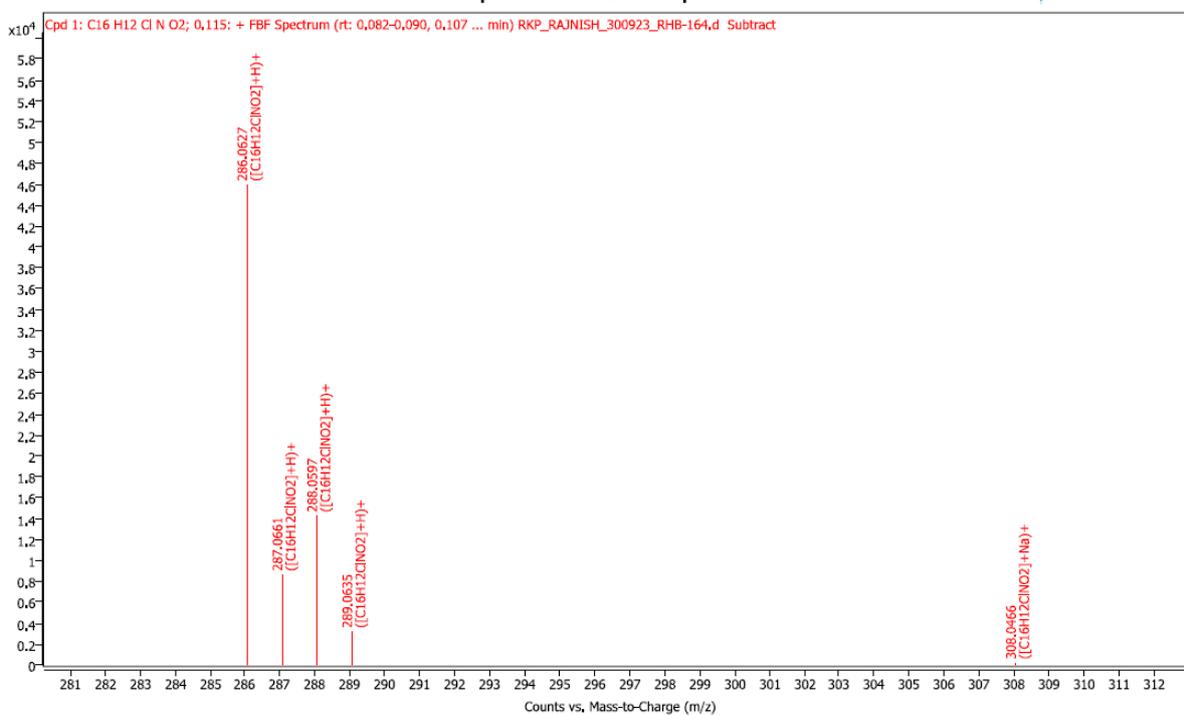
Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C16 H12 F N O2	269.0850	99.27	FBF	-0.894637260050534	Positive

Compound Spectra (overlaid)



HRMS Spectrum of 5r

Spectrum Plot Report

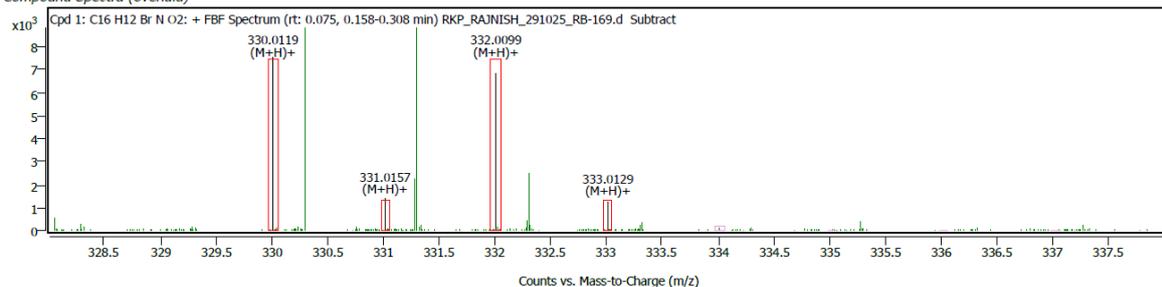


HRMS Spectrum of 5s

Cpd. 1: C16 H12 Br N O2

Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C16 H12 Br N O2	329.0046	96.89	FBF	-1.62824437716818	Positive

Compound Spectra (overlaid)

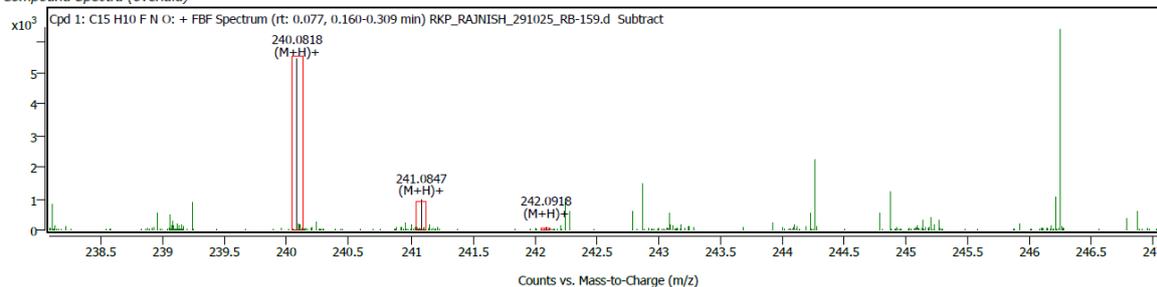


HRMS Spectrum of 5t

Cpd. 1: C₁₅H₁₀F N O

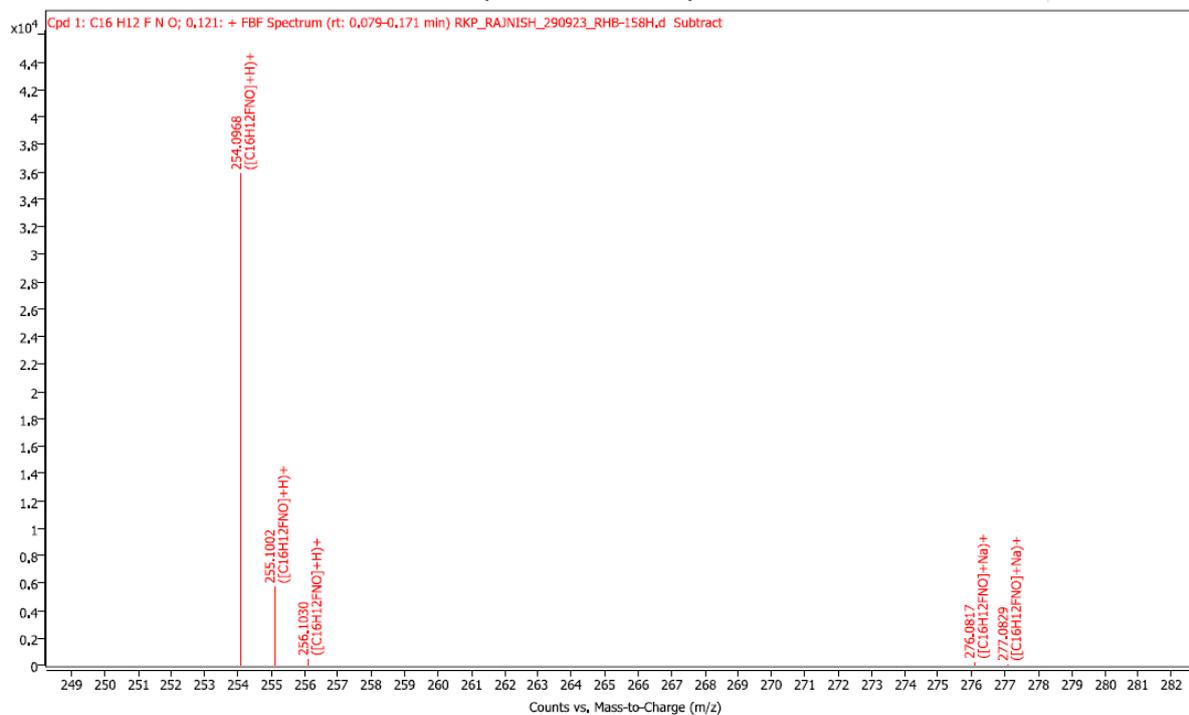
Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C ₁₅ H ₁₀ F N O	239.0745	99.16	FBF	-0.468945920027754	Positive

Compound Spectra (overlaid)



HRMS Spectrum of 5u

Spectrum Plot Report

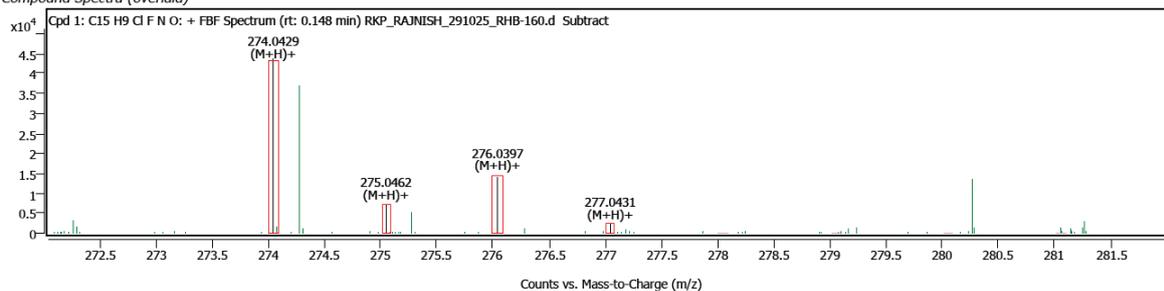


HRMS Spectrum of 5v

Cpd. 1: C₁₅H₉Cl F N O

Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C ₁₅ H ₉ Cl F N O	273.0355	99.30	FBF	-0.610038783753799	Positive

Compound Spectra (overlaid)

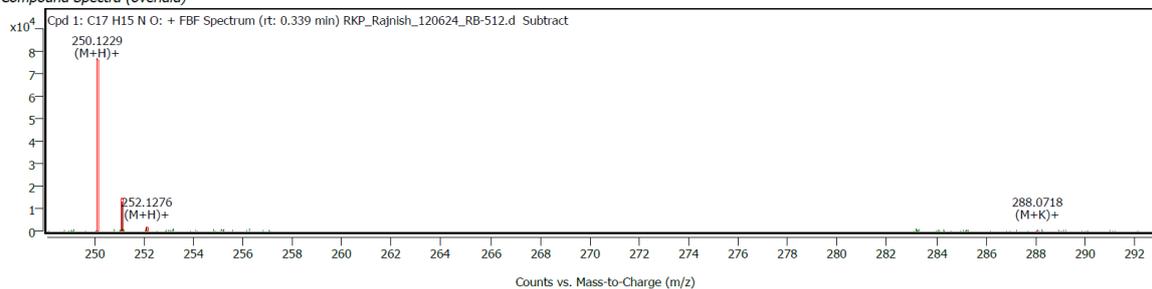


HRMS Spectrum of 5w

Cpd. 1: C17 H15 N O

Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C17 H15 N O	249.1156	98.36	FBF	1.06401821064188	Positive

Compound Spectra (overlaid)

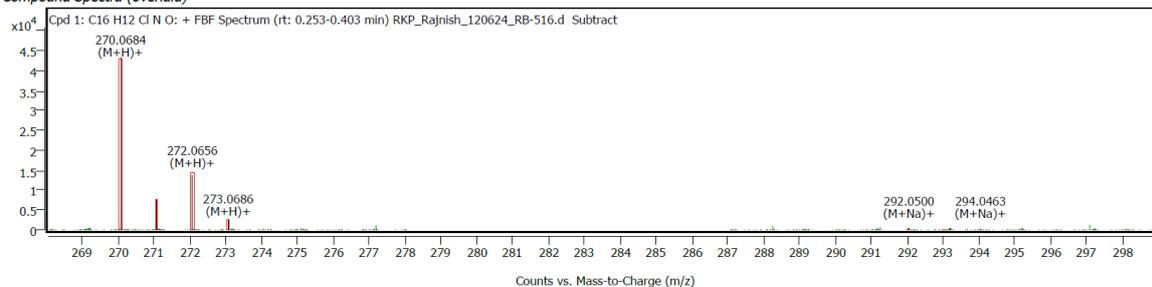


HRMS Spectrum of 5x

Cpd. 1: C16 H12 Cl N O

Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C16 H12 Cl N O	269.0610	98.99	FBF	1.13353494063752	Positive

Compound Spectra (overlaid)

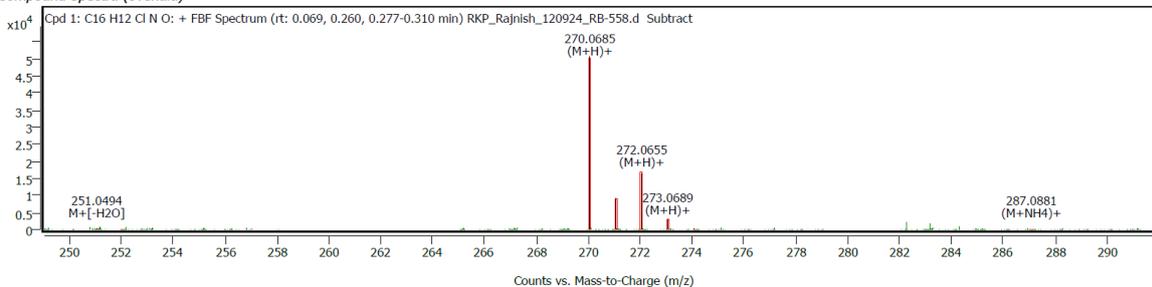


HRMS Spectrum of 5y

Cpd. 1: C16 H12 Cl N O

Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C16 H12 Cl N O	269.0611	98.79	FBF	1.38393450478327	Positive

Compound Spectra (overlaid)

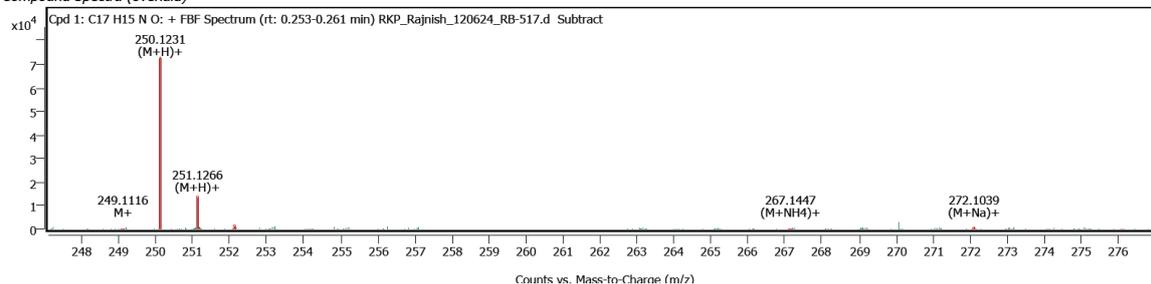


HRMS Spectrum of 5z

Cpd. 1: C17 H15 N O

Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C17 H15 N O	249.1159	98.59	FBF	1.98001971788461	Positive

Compound Spectra (overlaid)

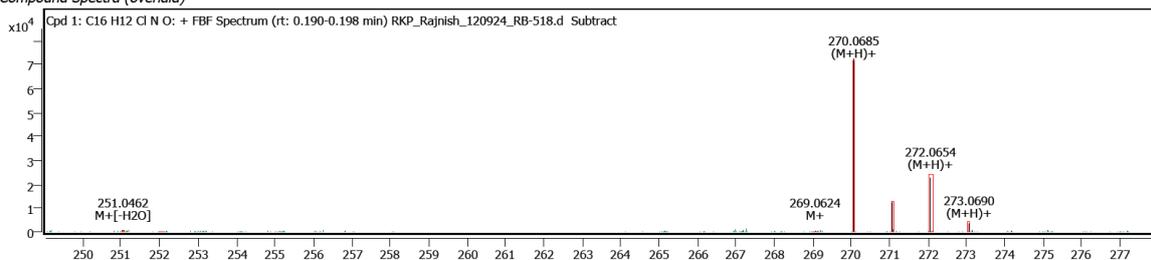


HRMS Spectrum of 5aa

Cpd. 1: C16 H12 Cl N O

Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C16 H12 Cl N O	269.0611	98.66	FBF	1.14610584243029	Positive

Compound Spectra (overlaid)

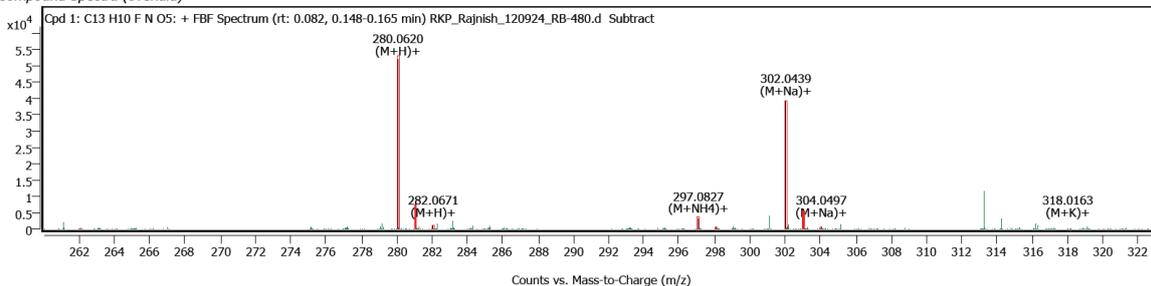


HRMS Spectrum of 6a

Cpd. 1: C13 H10 F N O5

Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C13 H10 F N O5	279.0544	99.39	FBF	0.494231666693809	Positive

Compound Spectra (overlaid)

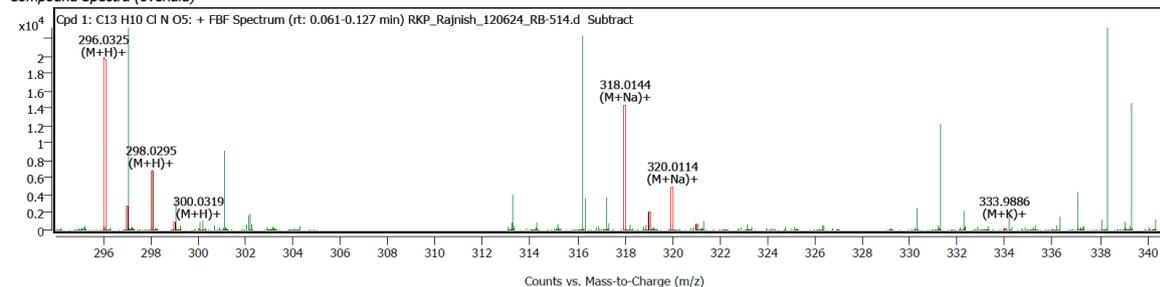


HRMS Spectrum of 6b

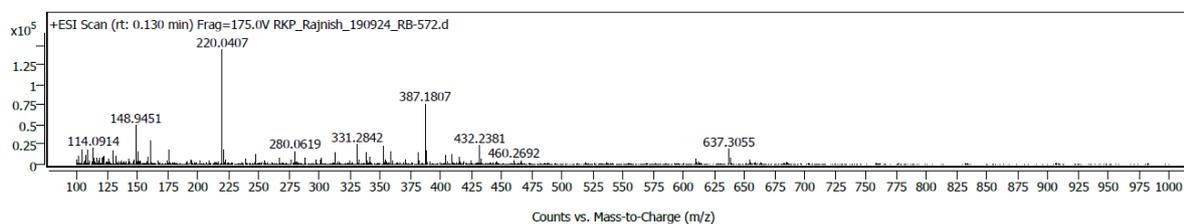
Cpd. 1: C13 H10 Cl N O5

Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C13 H10 Cl N O5	295.0251	98.99	FBF	1.16239969060888	Positive

Compound Spectra (overlaid)



HRMS Spectrum of 6c

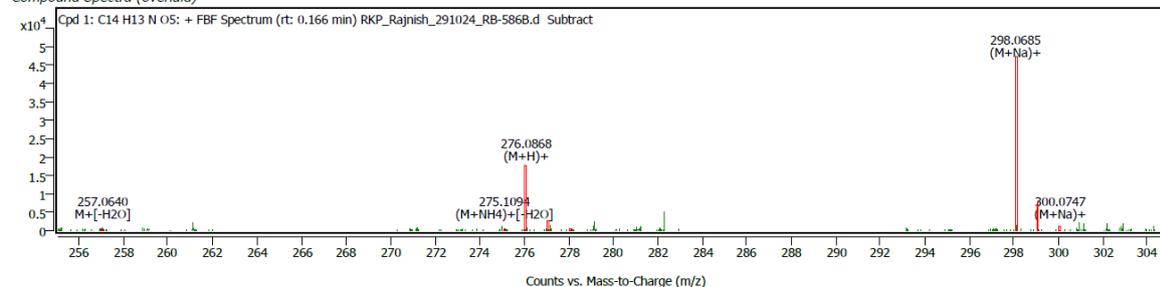


HRMS Spectrum of 6d

Cpd. 1: C14 H13 N O5

Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C14 H13 N O5	275.0794	99.31	FBF	-0.0389478068759299	Positive

Compound Spectra (overlaid)

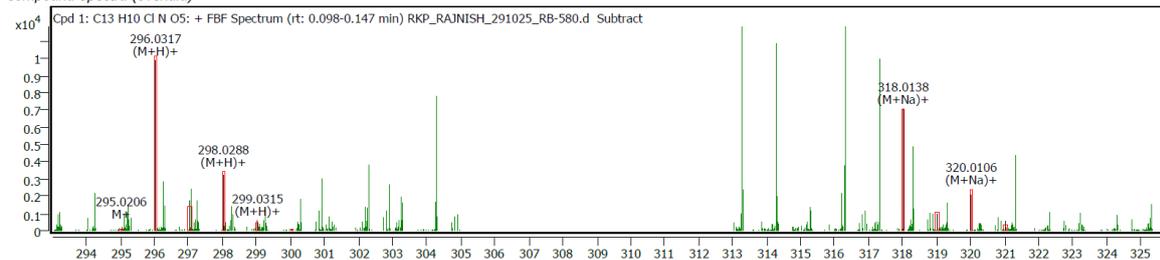


HRMS Spectrum of 6e

Cpd. 1: C13 H10 Cl N O5

Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C13 H10 Cl N O5	295.0243	96.36	FBF	-1.48521135537242	Positive

Compound Spectra (overlaid)

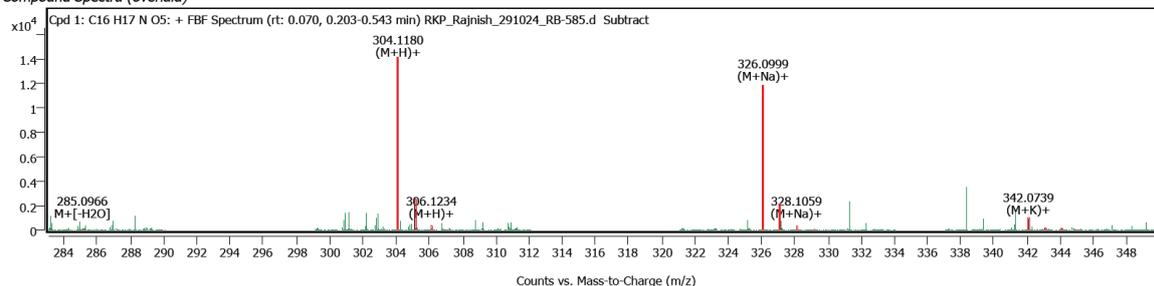


HRMS Spectrum of 6f

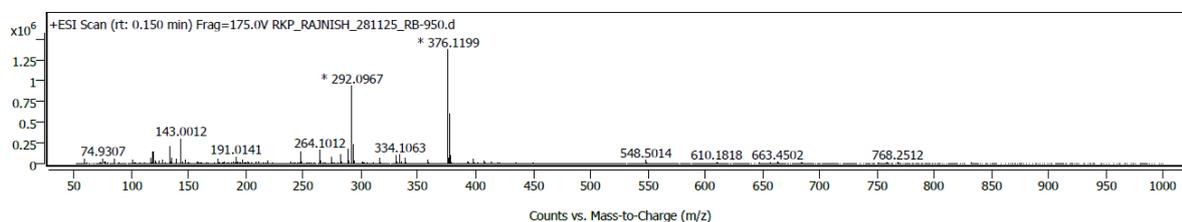
Cpd. 1: C16 H17 N O5

Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C16 H17 N O5	303.1107	99.91	FBF	0.0901048055414736	Positive

Compound Spectra (overlaid)



HRMS Spectrum of 7

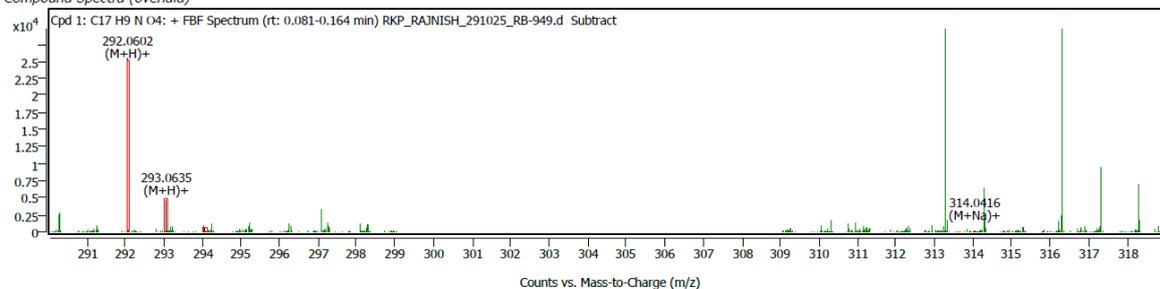


HRMS Spectrum of 8

Cpd. 1: C17 H9 N O4

Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C17 H9 N O4	291.0530	99.67	FBF	-0.669796671047735	Positive

Compound Spectra (overlaid)

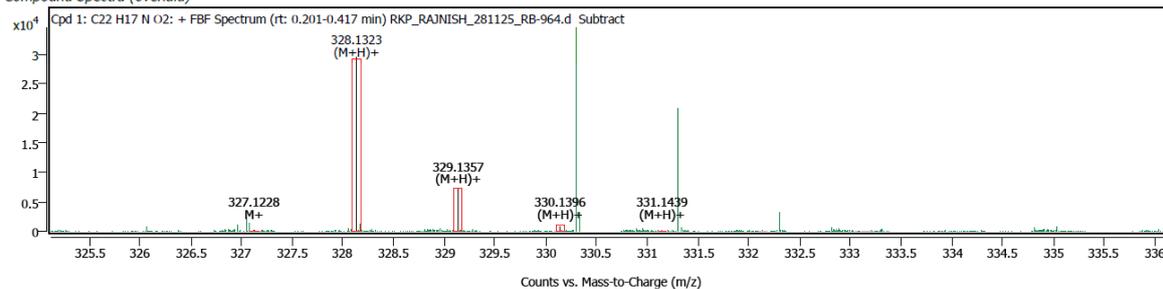


HRMS Spectrum of 9

Cpd. 1: C22 H17 N O2

Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C22 H17 N O2	327.1251	97.63	FBF	-2.556066260269	Positive

Compound Spectra (overlaid)



HRMS Spectrum of 10

Cpd. 1: C16 H12 I N O

Formula	Mass	Score	Algorithm	Diff (Tgt, ppm)	Polarity
C16 H12 I N O	360.9956	97.55	FBF	-2.231114578/6401	Positive

Compound Spectra (overlaid)

