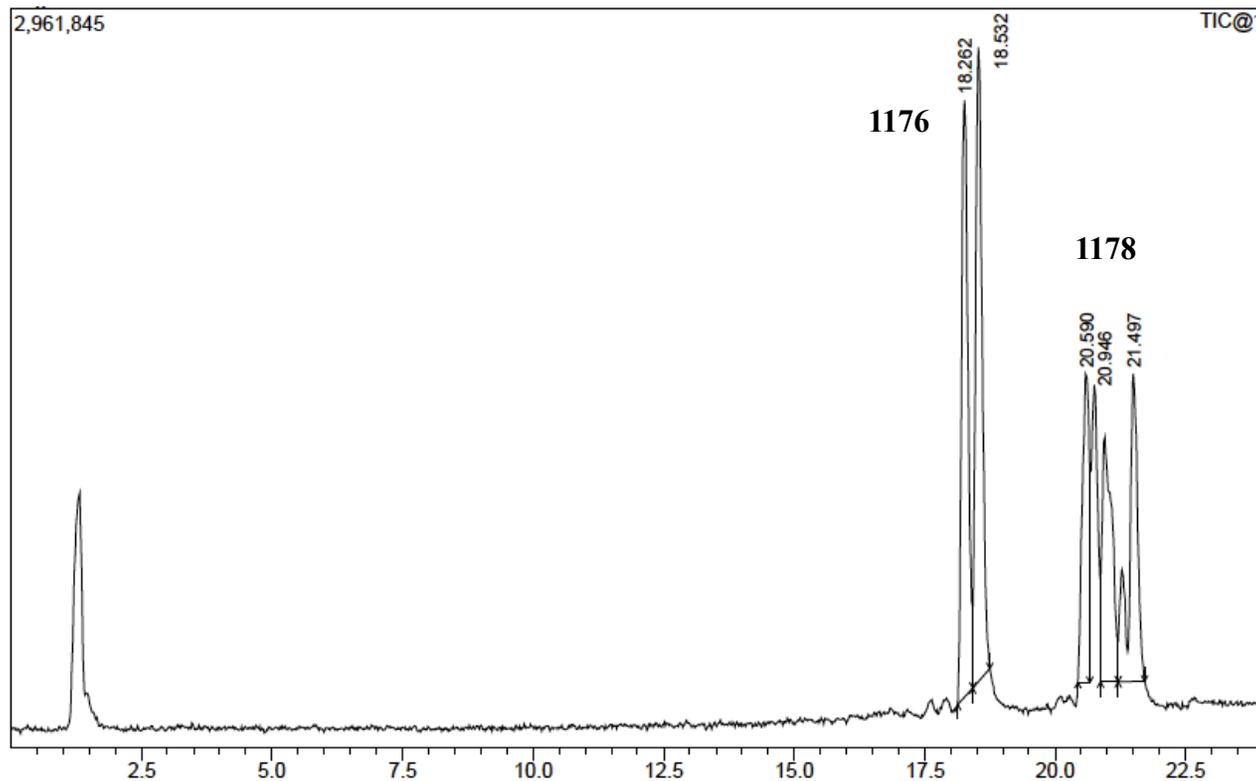
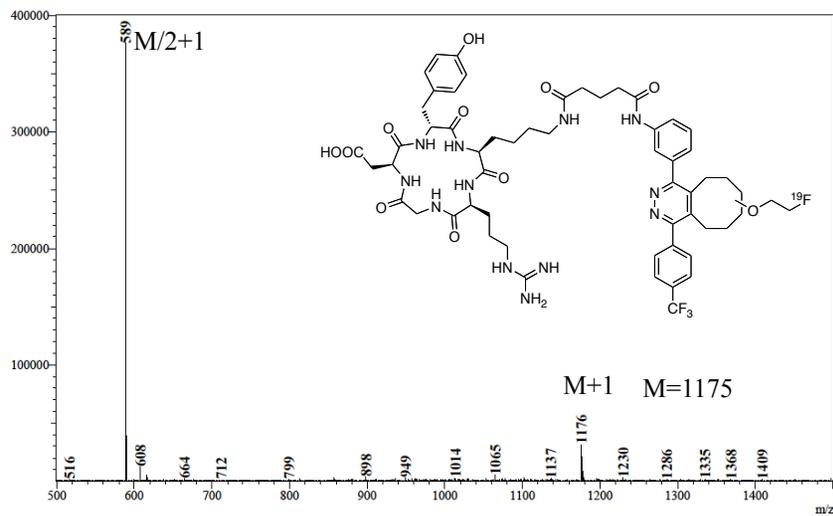


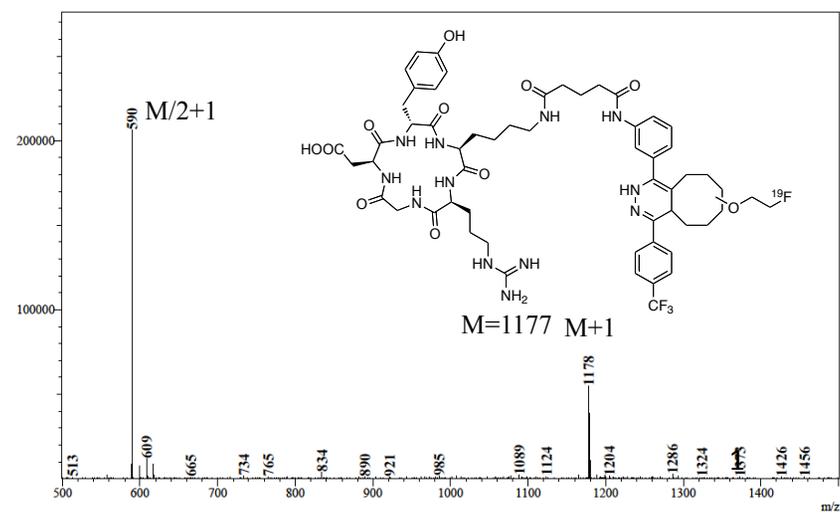
LC/MS (ESI) of  
**10a and 10b**



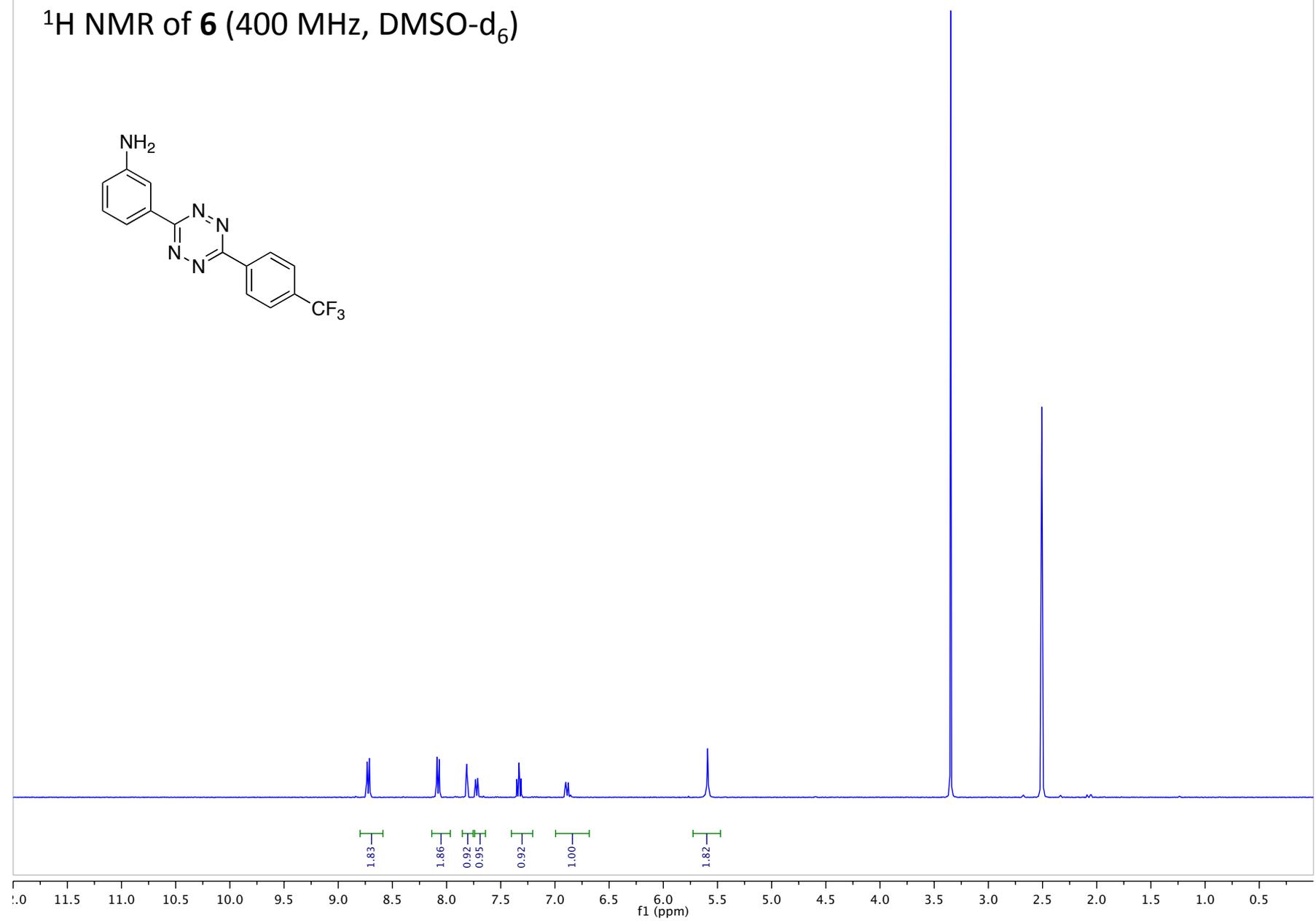
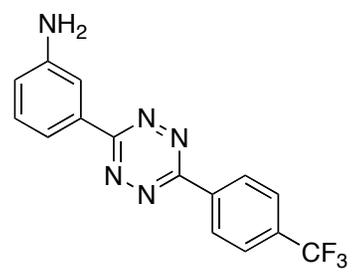
Spectrum Mode: Averaged 18.1 -18.9 min



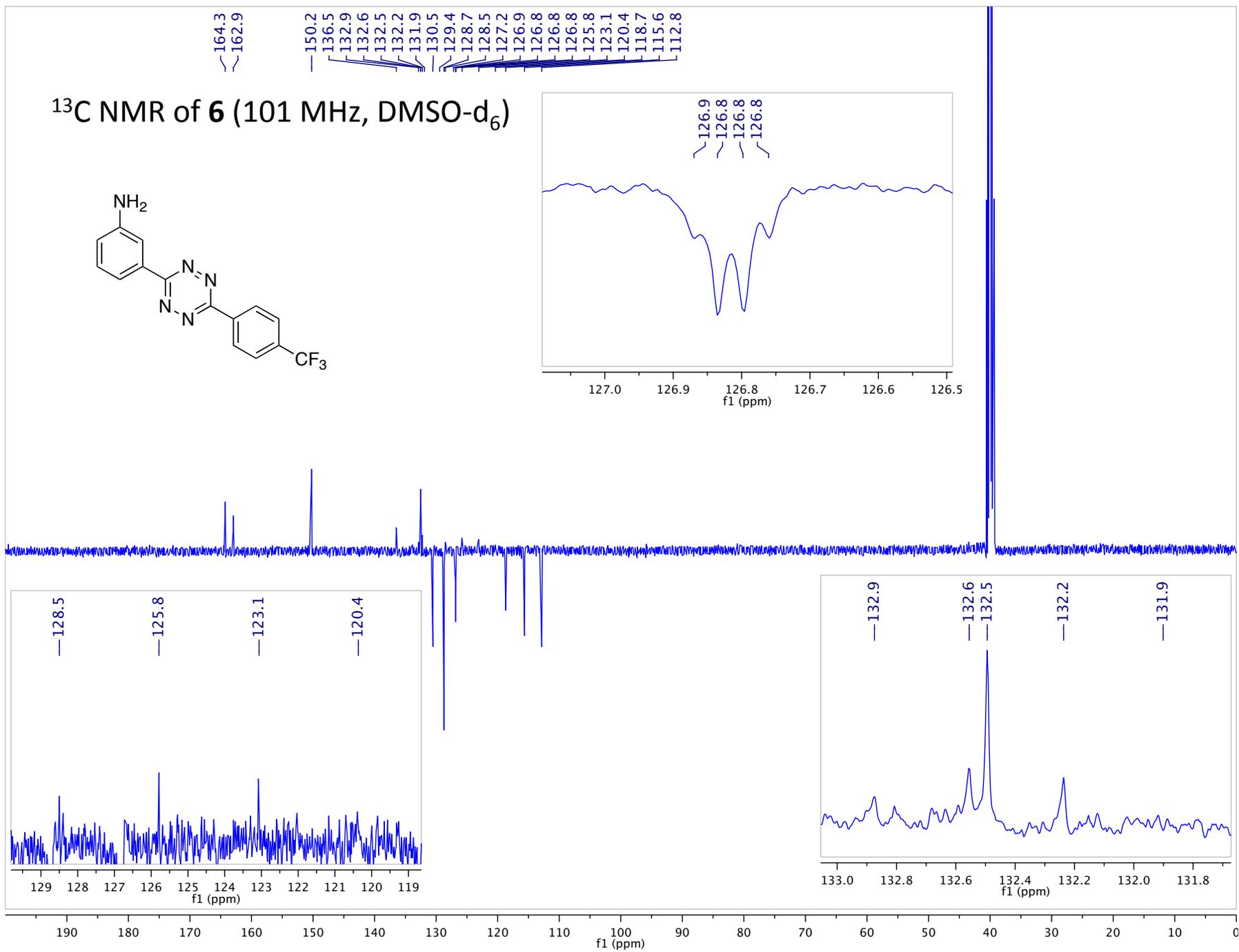
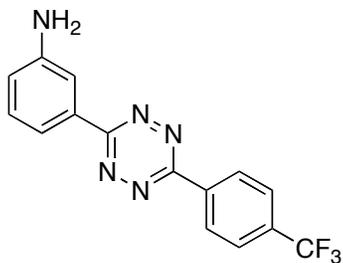
Spectrum Mode: Averaged 20.4 -21.9 min



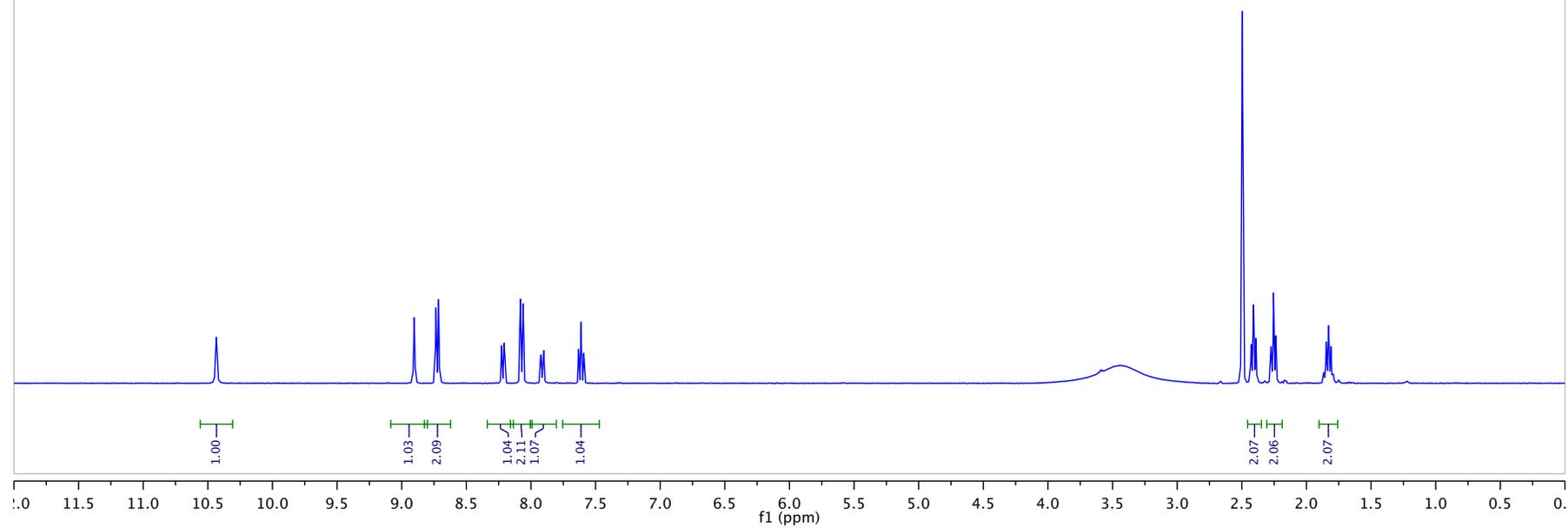
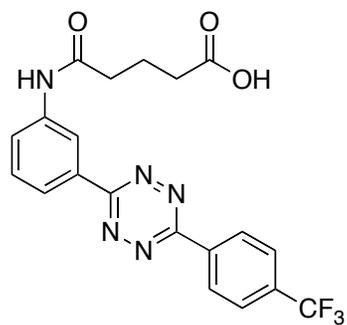
$^1\text{H}$  NMR of **6** (400 MHz,  $\text{DMSO-d}_6$ )



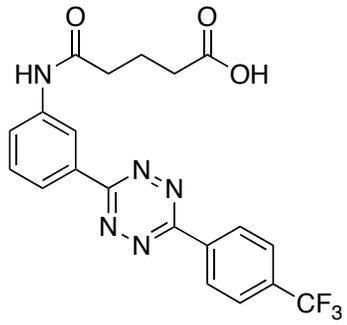
# $^{13}\text{C}$ NMR of **6** (101 MHz, DMSO- $\text{d}_6$ )



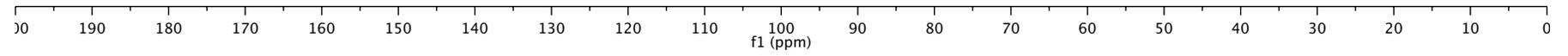
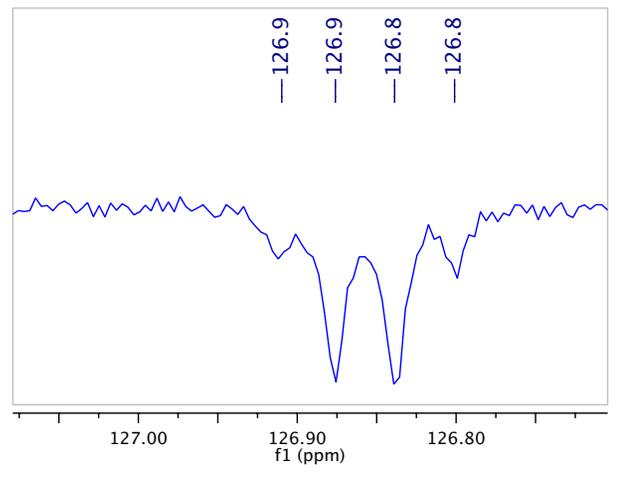
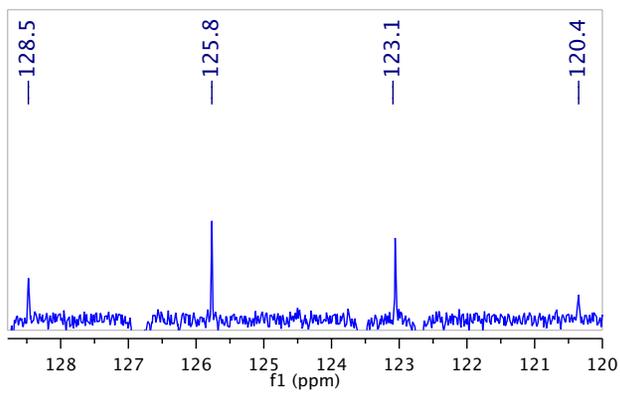
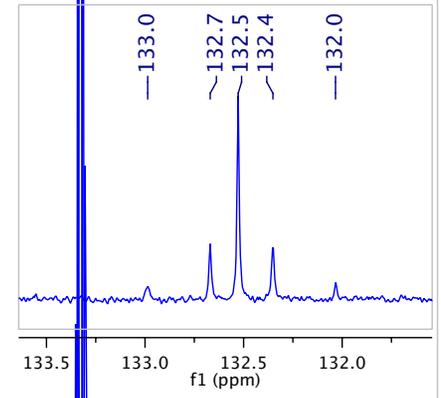
$^1\text{H}$  NMR (400 MHz,  $\text{DMSO-d}_6$ )



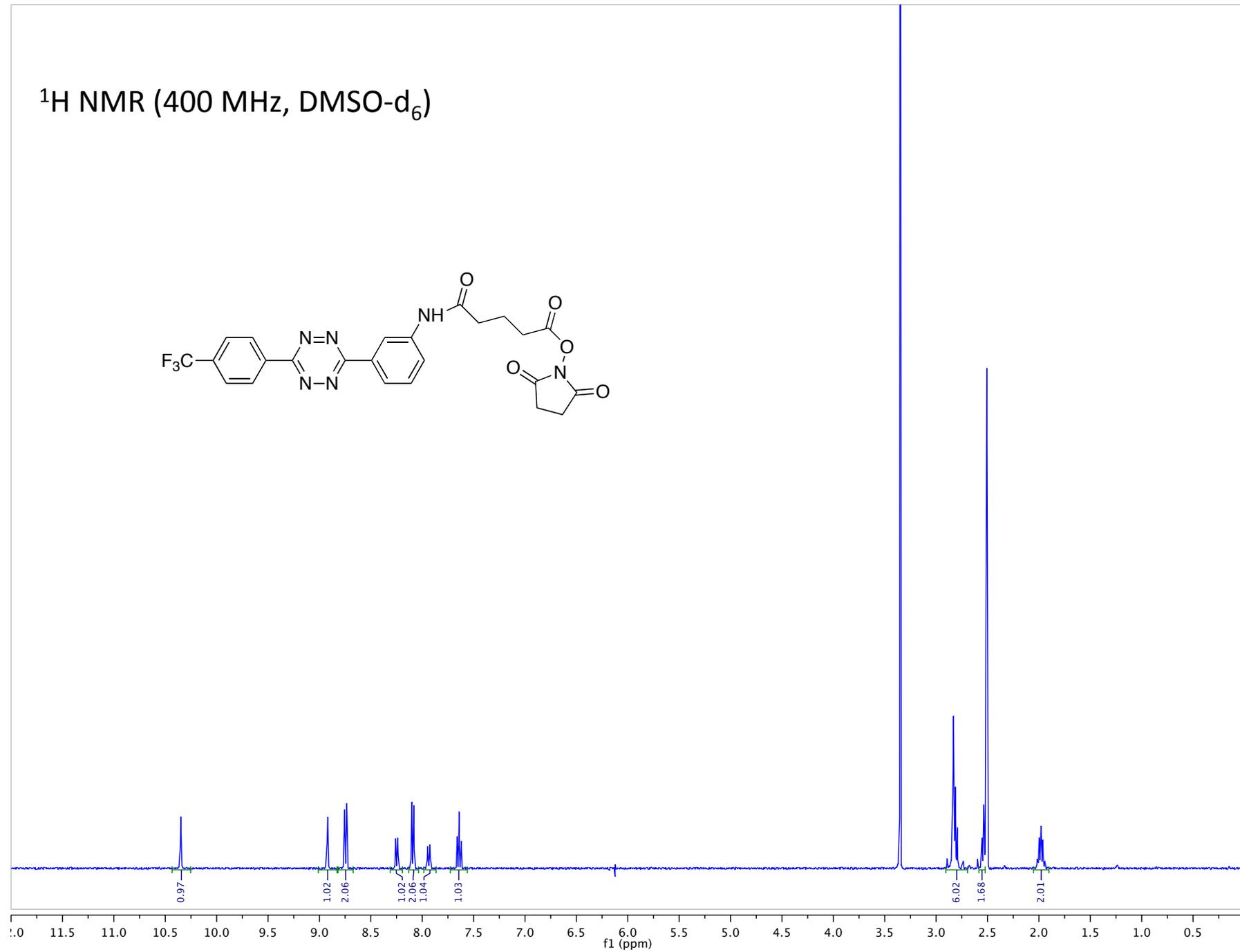
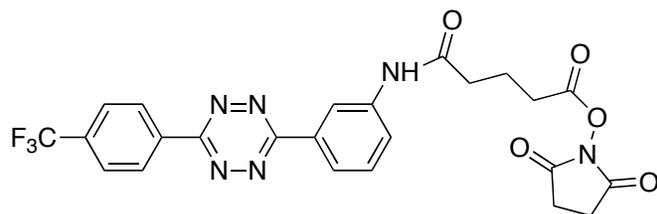
# <sup>13</sup>C NMR (101 MHz, DMSO-d<sub>6</sub>)

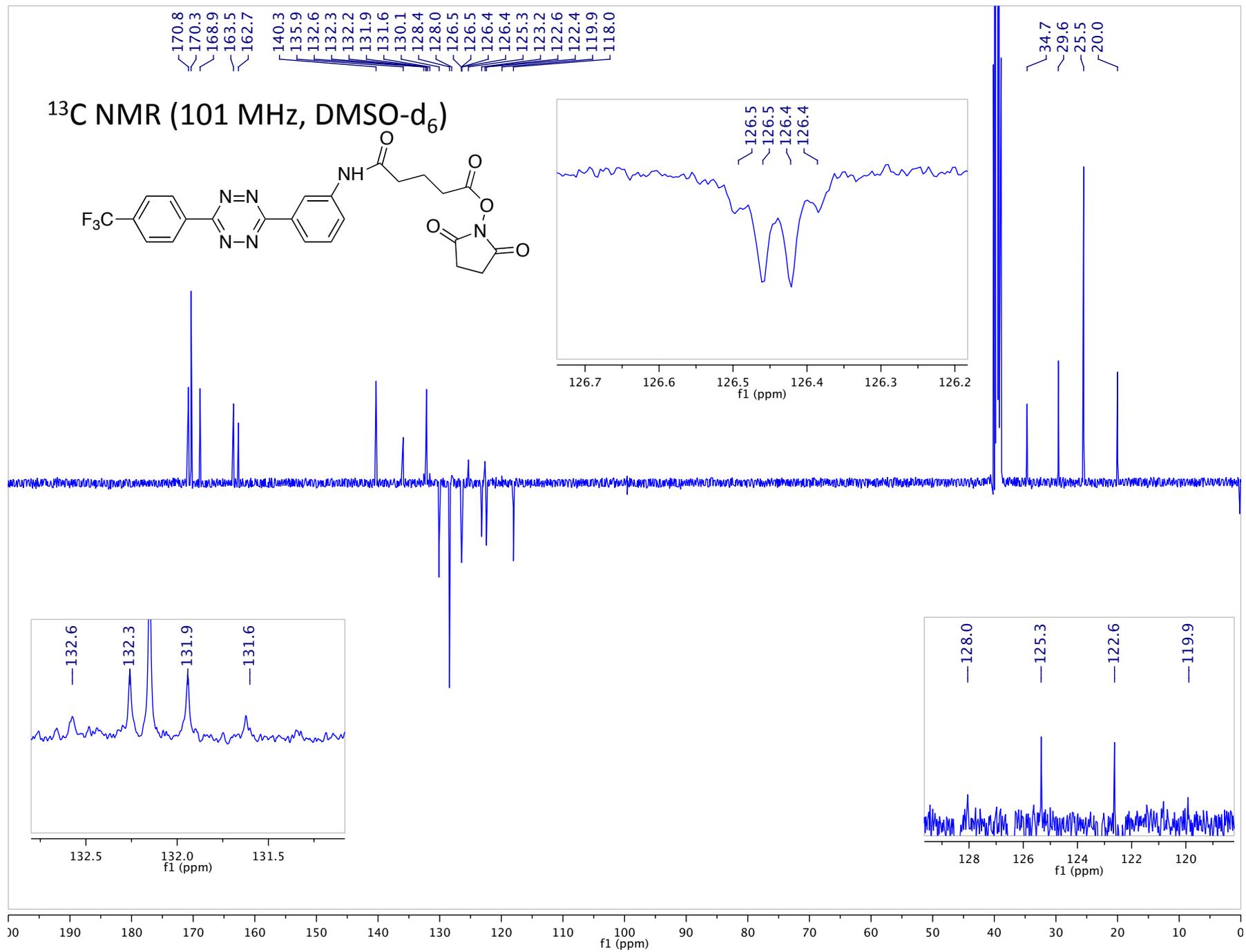


- 174.9
- 171.9
- 163.9
- 163.1
- 140.9
- 136.3
- 133.0
- 132.7
- 132.5
- 132.4
- 132.0
- 130.5
- 128.8
- 128.5
- 126.9
- 126.9
- 126.8
- 126.8
- 125.8
- 123.6
- 123.1
- 122.7
- 120.4
- 118.9
- 118.4

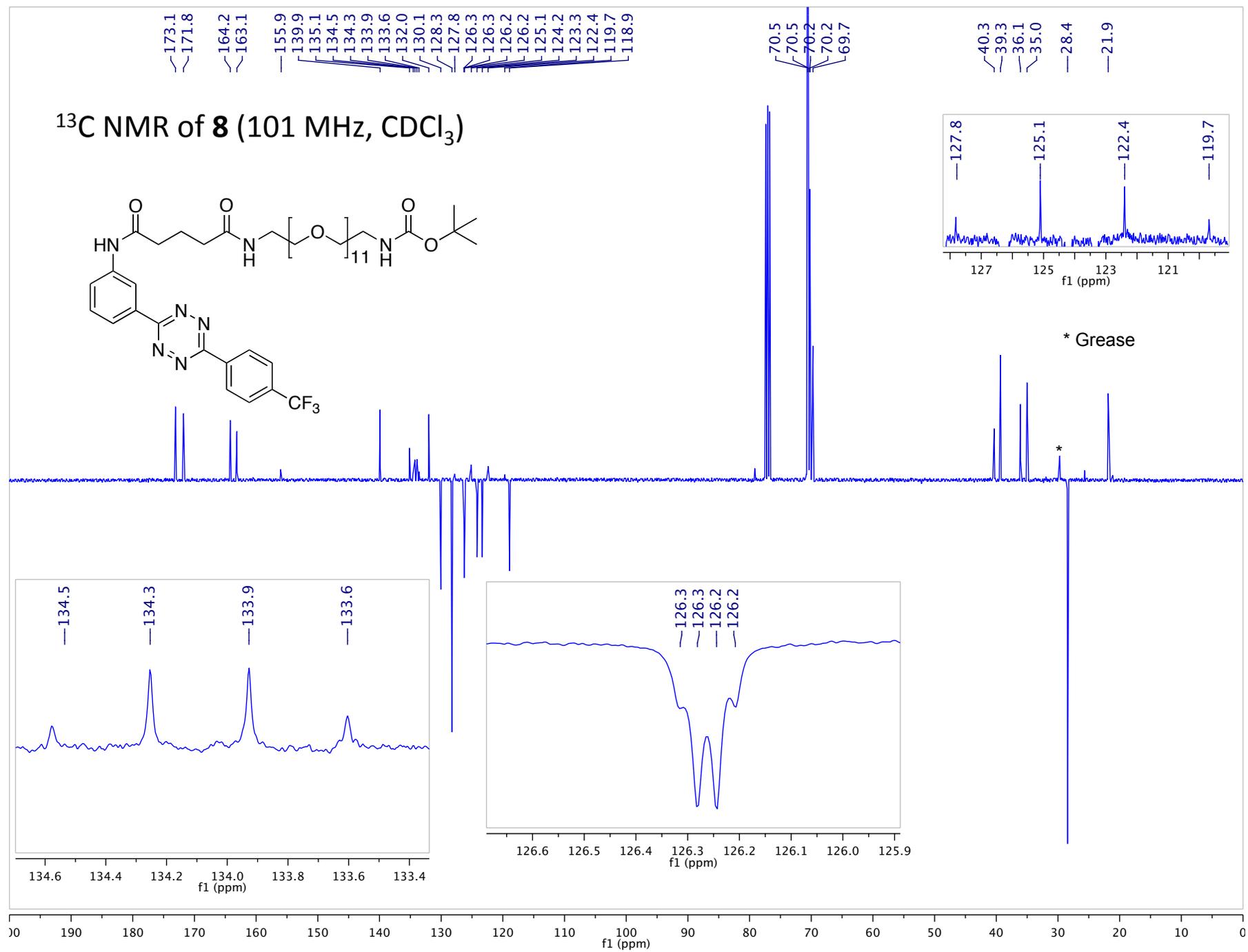


$^1\text{H}$  NMR (400 MHz,  $\text{DMSO-d}_6$ )

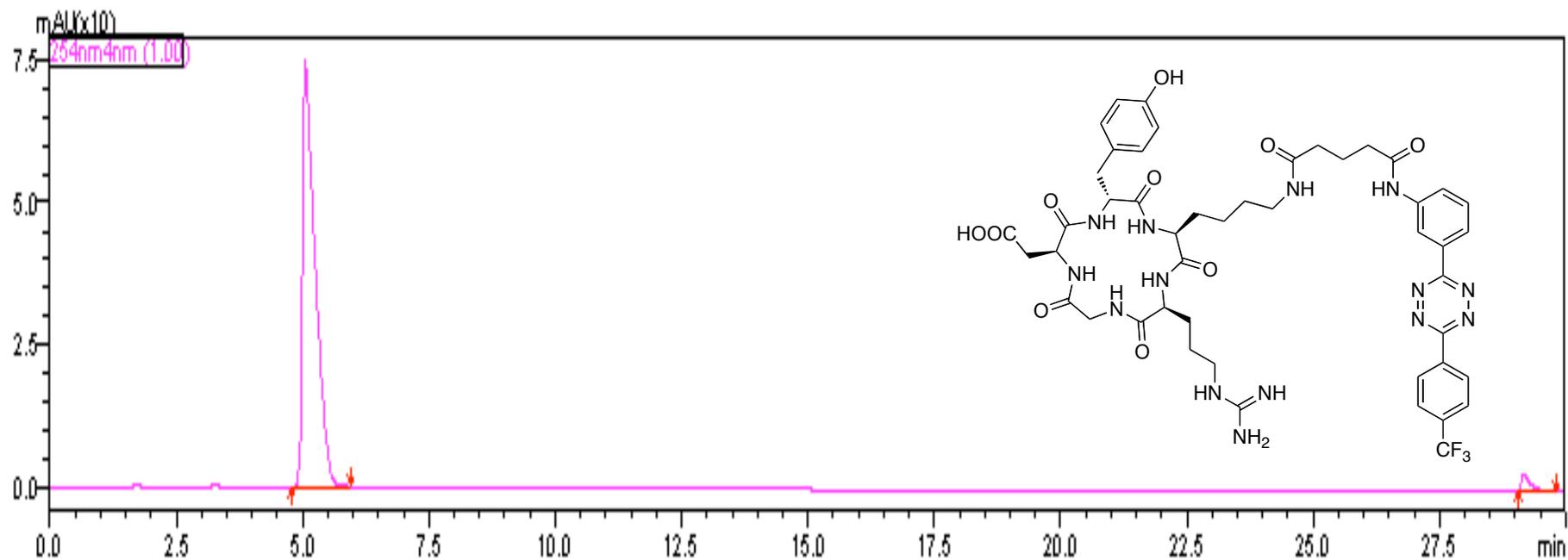






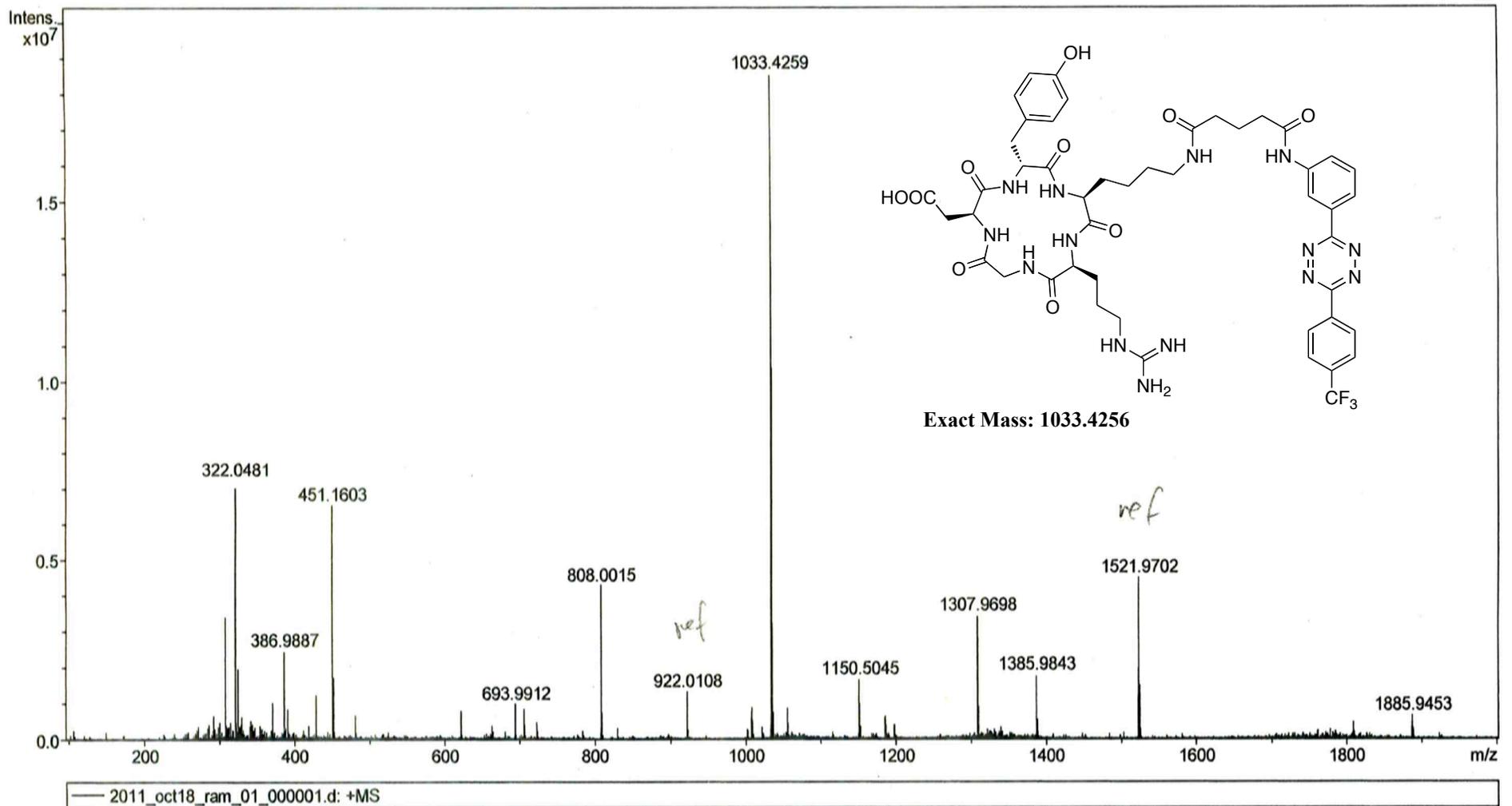


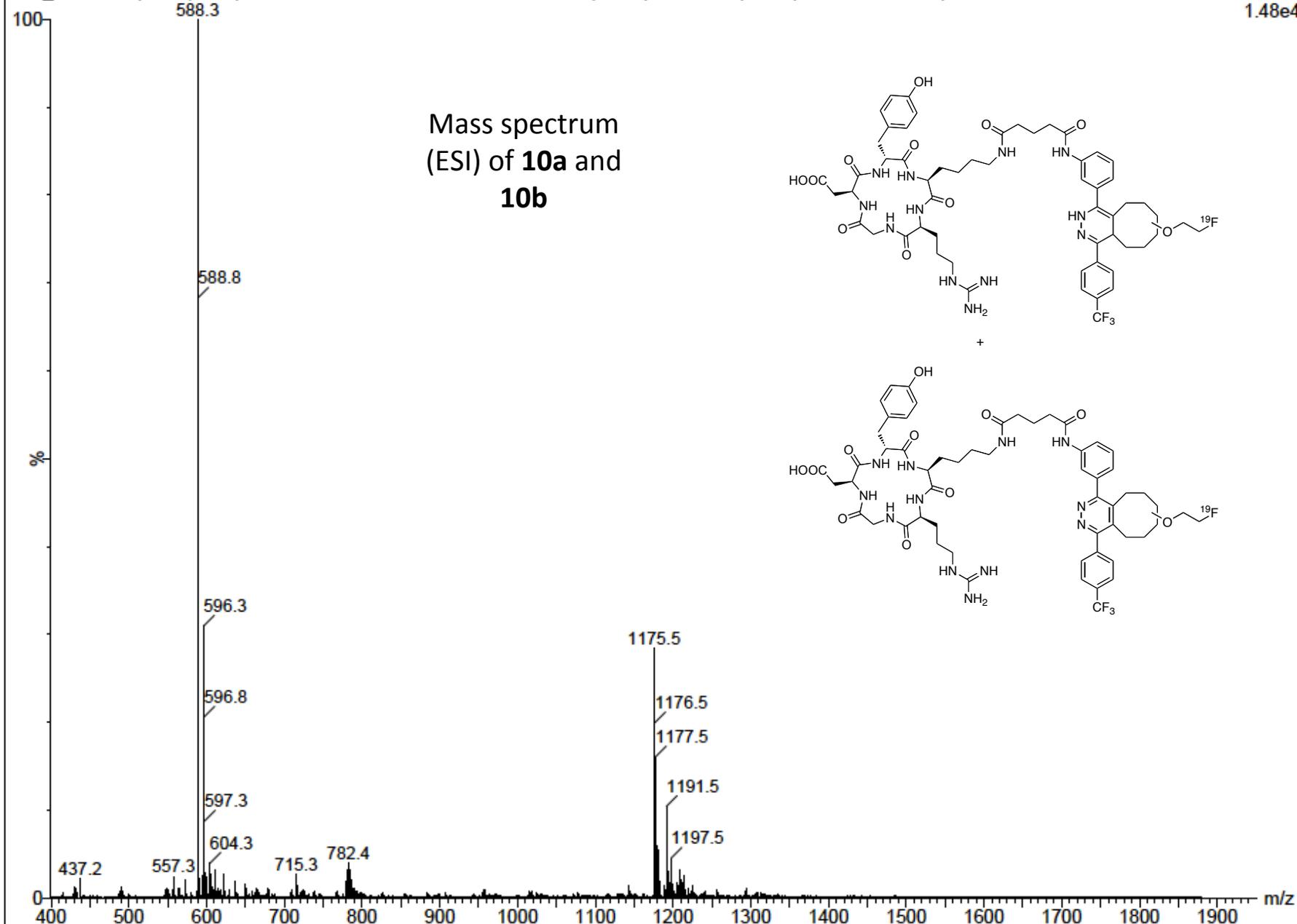
# HPLC of 7 (PDA Detection)



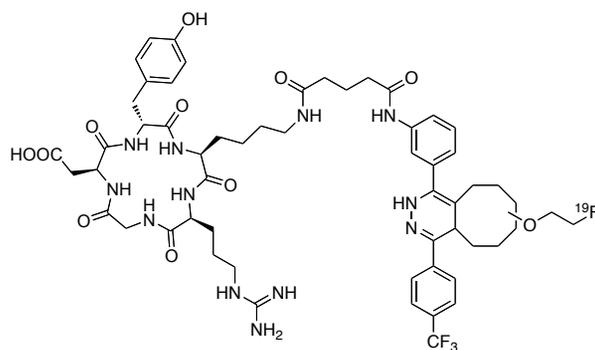
Peak#	Ret. Time	Area	Height	Area%
1	5.055	1275590	75000	97.958
2	29.164	26584	2571	2.042
Total		1302174	77571	100.000

# HRMS (ESI) of 7





# High resolution mass spectrum (ESI) of **10a**



Monoisotopic Mass, Even Electron Ions

42 formula(e) evaluated with 2 results within limits (all results (up to 1000) for each mass)

Elements Used:

C: 0-150 H: 0-200 N: 12-12 O: 11-12 F: 4-4 Na: 0-1

David Boruta, CF3-TCO-RGD

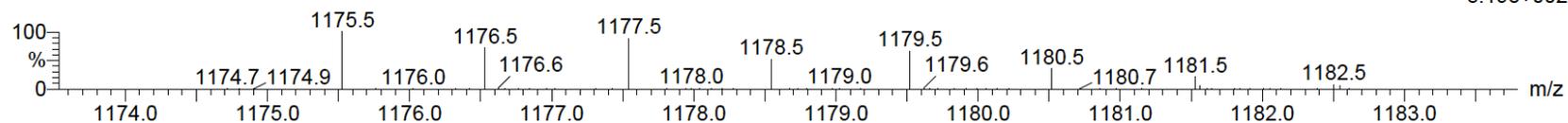
University of Illinois, SCS, Mass Spectrometry Lab

Qtof\_39322 49 (2.078) AM (Cen,3, 80.00, Ar,15000.0,734.47,0.70,LS 3); Sm (SG, 2x3.00); Cm (48:54)

Q-tof UE521

1: TOF MS ES+

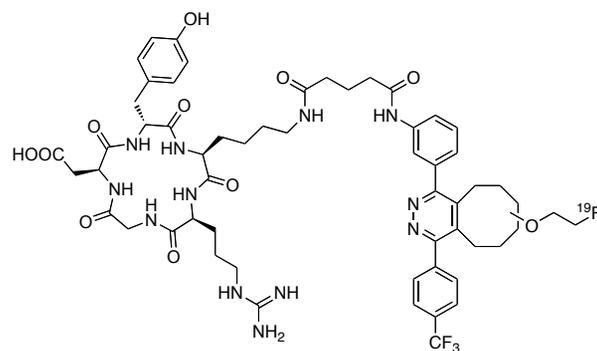
8.19e+002



Minimum: -1.5  
Maximum: 5.0 10.0 150.0

Mass	Calc. Mass	mDa	PPM	DBE	i-FIT	Formula
1177.5415	1177.5434	-1.9	-1.6	22.5	125.7	C55 H74 N12 O11 F4 Na
	1177.5458	-4.3	-3.7	25.5	121.8	C57 H73 N12 O11 F4

# High resolution mass spectrum (ESI) of **10b**



Monoisotopic Mass, Even Electron Ions

42 formula(e) evaluated with 2 results within limits (all results (up to 1000) for each mass)

Elements Used:

C: 0-150 H: 0-200 N: 12-12 O: 11-12 F: 4-4 Na: 0-1

David Boruta, CF<sub>3</sub>-TCO-RGD

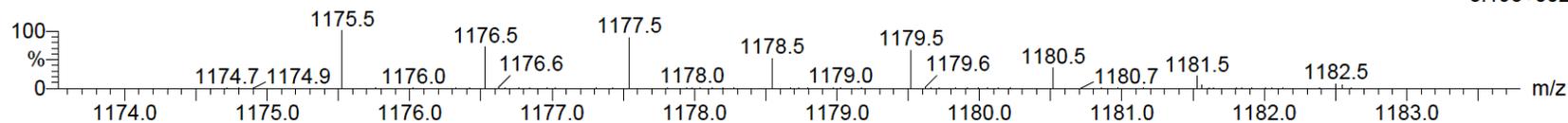
University of Illinois, SCS, Mass Spectrometry Lab

Qtof\_39322 49 (2.078) AM (Gen,3, 80.00, Ar,15000.0,734.47,0.70,LS 3); Sm (SG, 2x3.00); Cm (48:54)

Q-tof UE521

1: TOF MS ES+

8.19e+002



Minimum:

Maximum:

5.0

10.0

-1.5

150.0

Mass

Calc. Mass

mDa

PPM

DBE

i-FIT

Formula

1175.5267

1175.5277

-1.0

-0.9

23.5

179.9

C<sub>55</sub> H<sub>72</sub> N<sub>12</sub> O<sub>11</sub> F<sub>4</sub> Na

1175.5301

-3.4

-2.9

26.5

172.0

C<sub>57</sub> H<sub>71</sub> N<sub>12</sub> O<sub>11</sub> F<sub>4</sub>