

Experimental Spectrum Colour Code:

- Experimental peak matched to a Prosit predicted peak.
- Possible ion unknown to Prosit.
- Precursor matched peak.
- Experimental peak not matched to any potential ion.

Prosit Spectrum Colour Code:

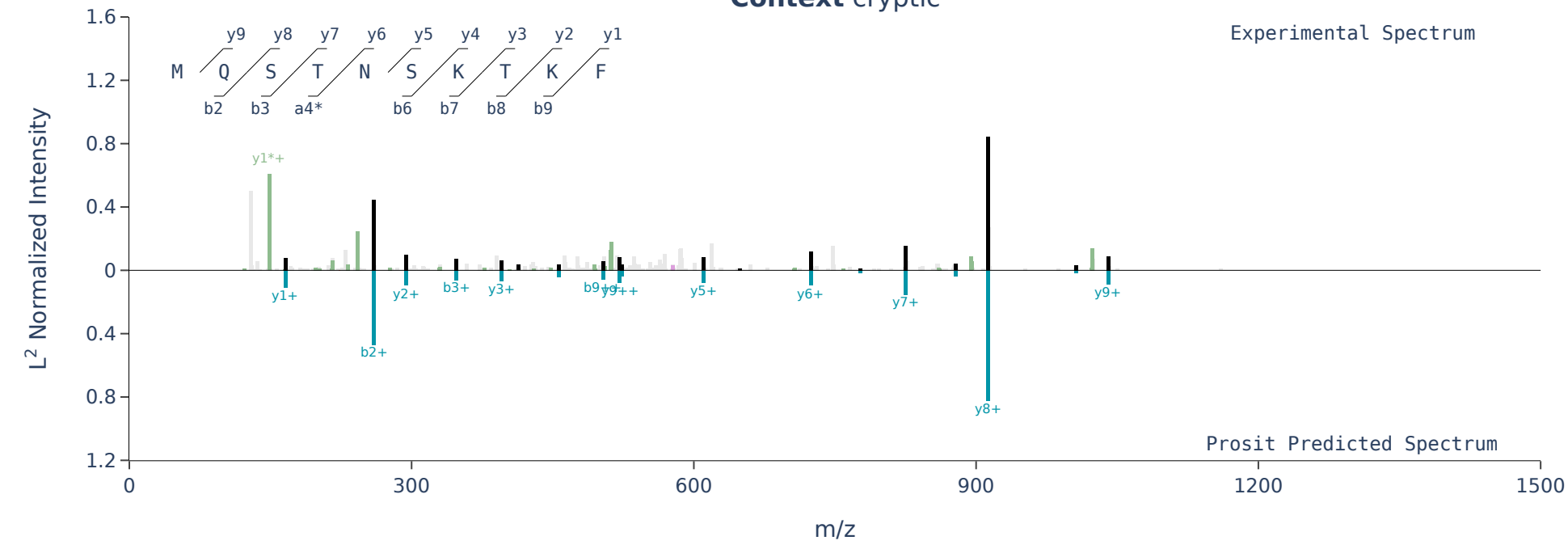
- Prosit predicted peak matched to experimental spectrum.
- Prosit predicted peak not matched to experimental spectrum.

Additional Notes:

- ° indicates an ion with loss of H<sub>2</sub>O.
- \* indicates an ion with loss of NH<sub>3</sub>.

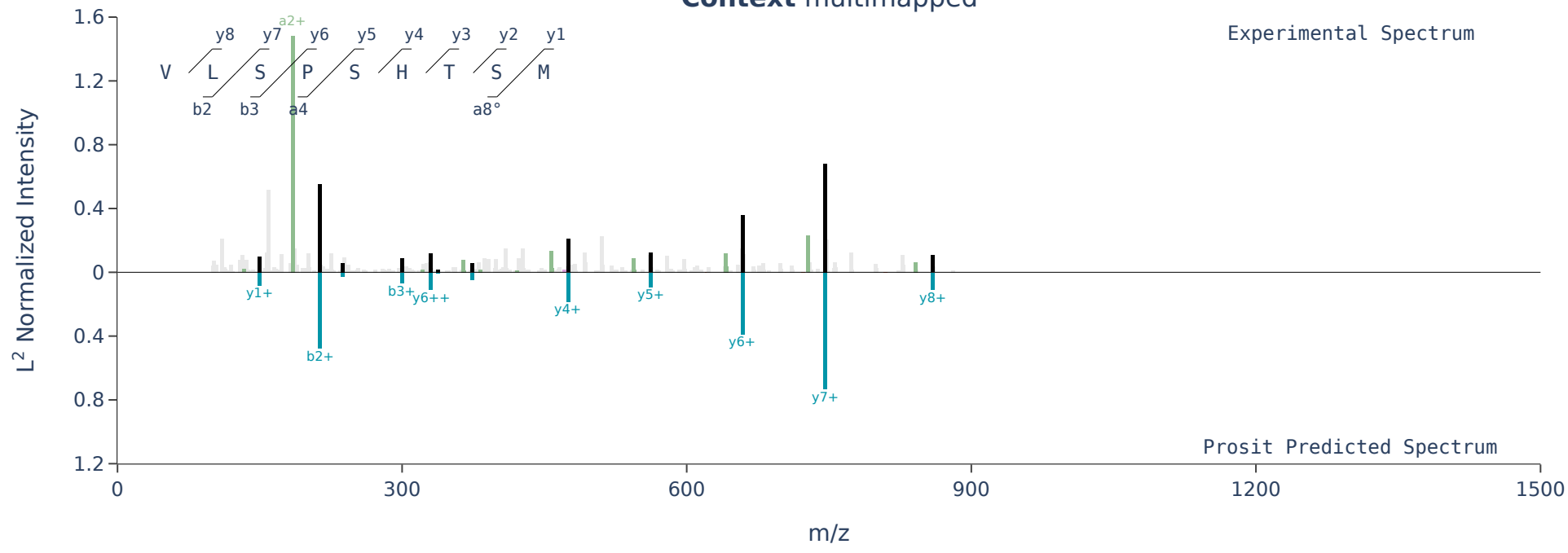
Source WSoh\_Meghna\_100424\_030524\_ExpI2\_K562\_B1501\_JC1\_R1 Scan 5564  
Peptide MQSTNSKTKF Charge 2 Spectral Angle 0.96

Context cryptic



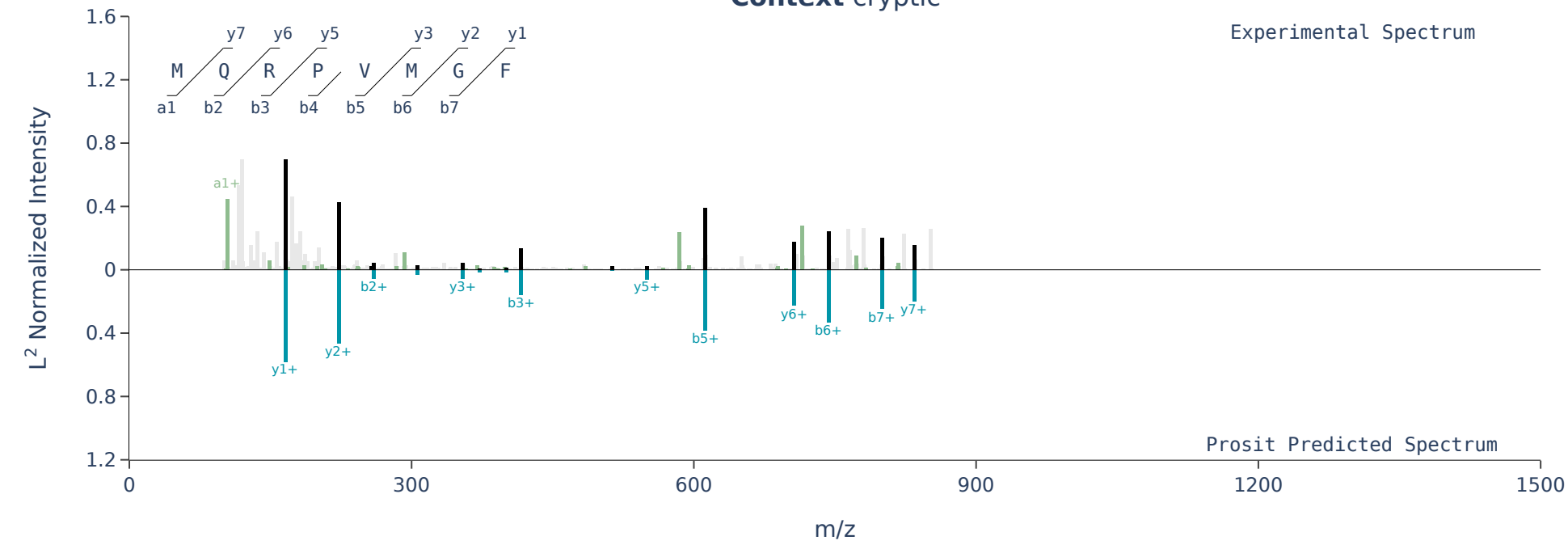
Source WSoh\_Meghna\_100424\_030524\_ExpI2\_K562\_B1501\_JC1\_R1 Scan 8824  
Peptide VLSPSHTSM Charge 2 Spectral Angle 0.93

Context multimapped



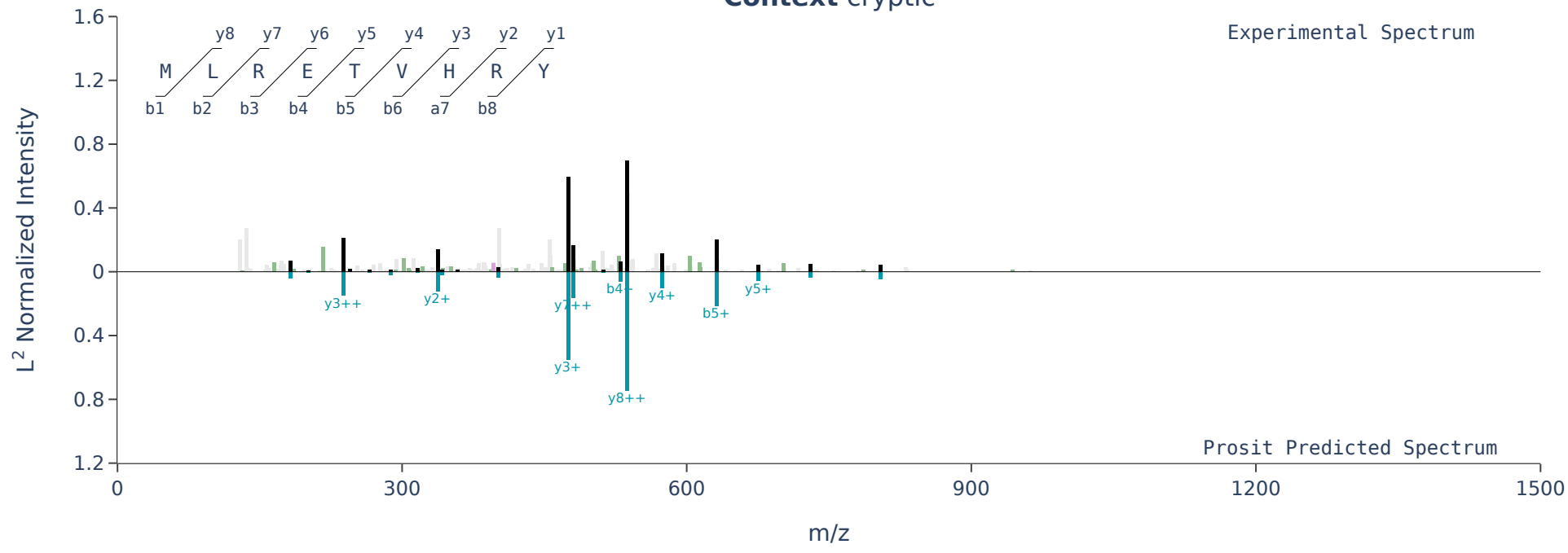
Source WSoh\_Meghna\_100424\_030524\_ExpI2\_K562\_B1501\_JC1\_R1 Scan 18381  
Peptide MQRPMGMF Charge 2 Spectral Angle 0.88

Context cryptic



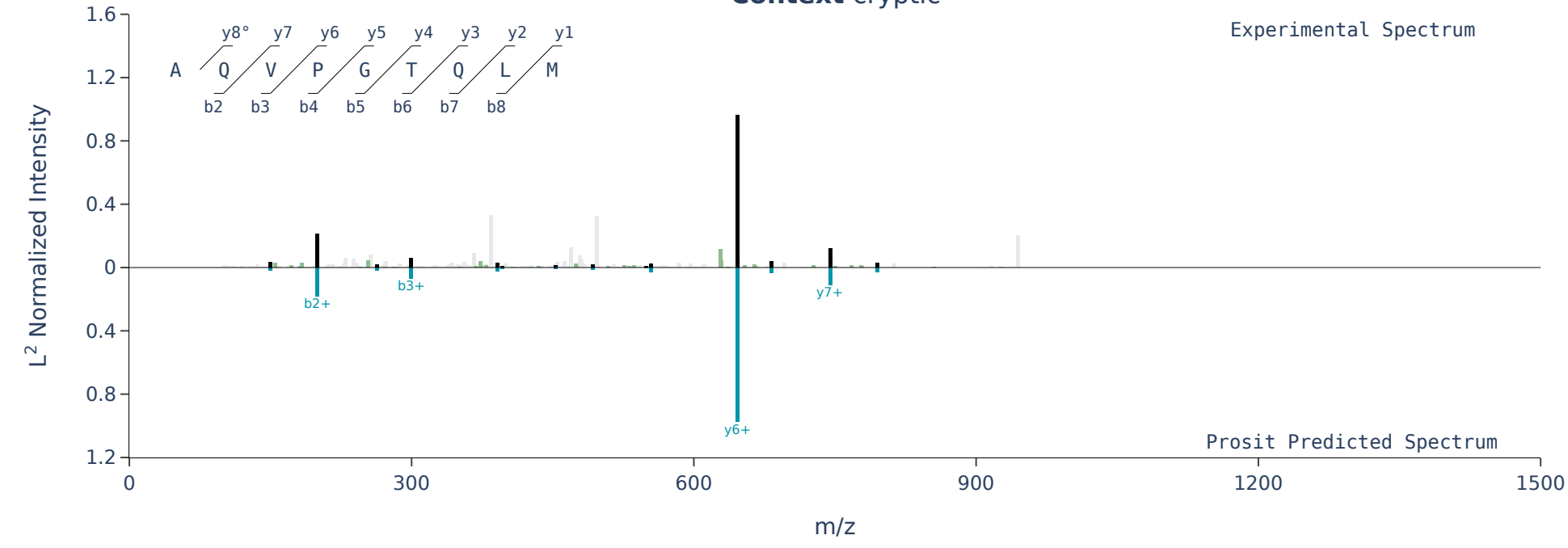
Source WSoh\_Meghna\_100424\_030524\_ExpI2\_K562\_B1501\_JC1\_R2 Scan 6691  
Peptide MLRETVHRY Charge 2 Spectral Angle 0.93

Context cryptic



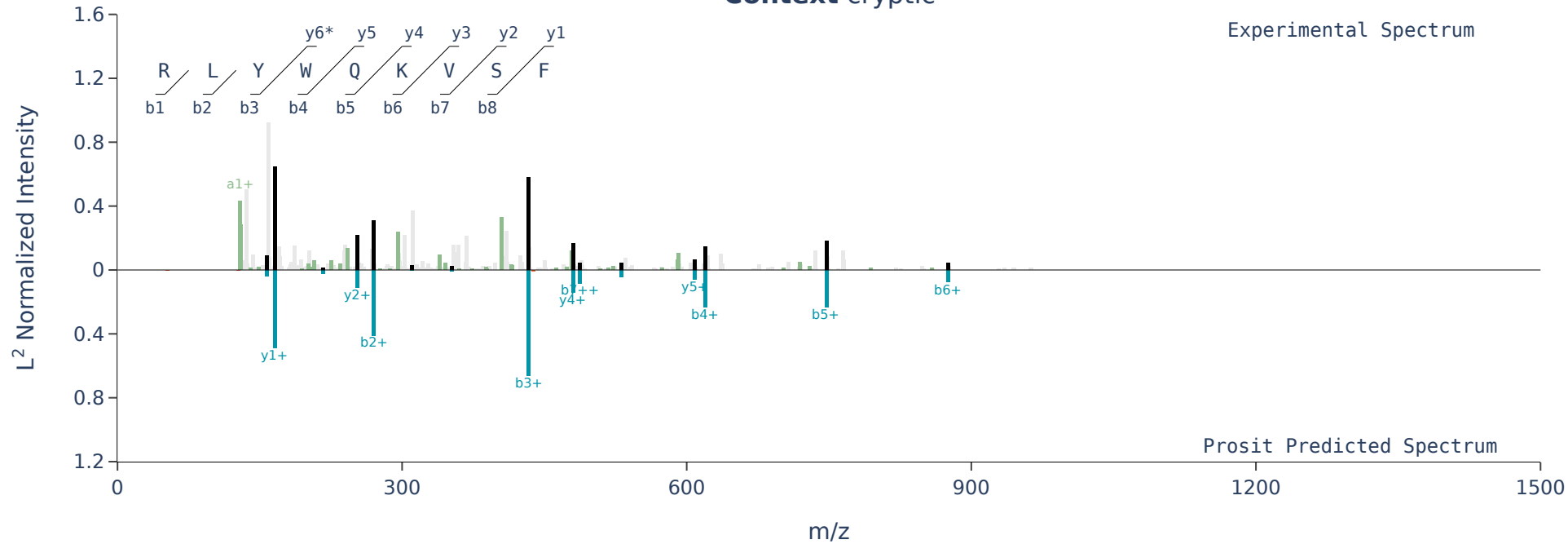
Source WSoh\_Meghna\_100424\_030524\_ExpI2\_K562\_B1501\_JC1\_R1 Scan 19136  
Peptide AQVPGTQLM Charge 1 Spectral Angle 0.97

Context cryptic



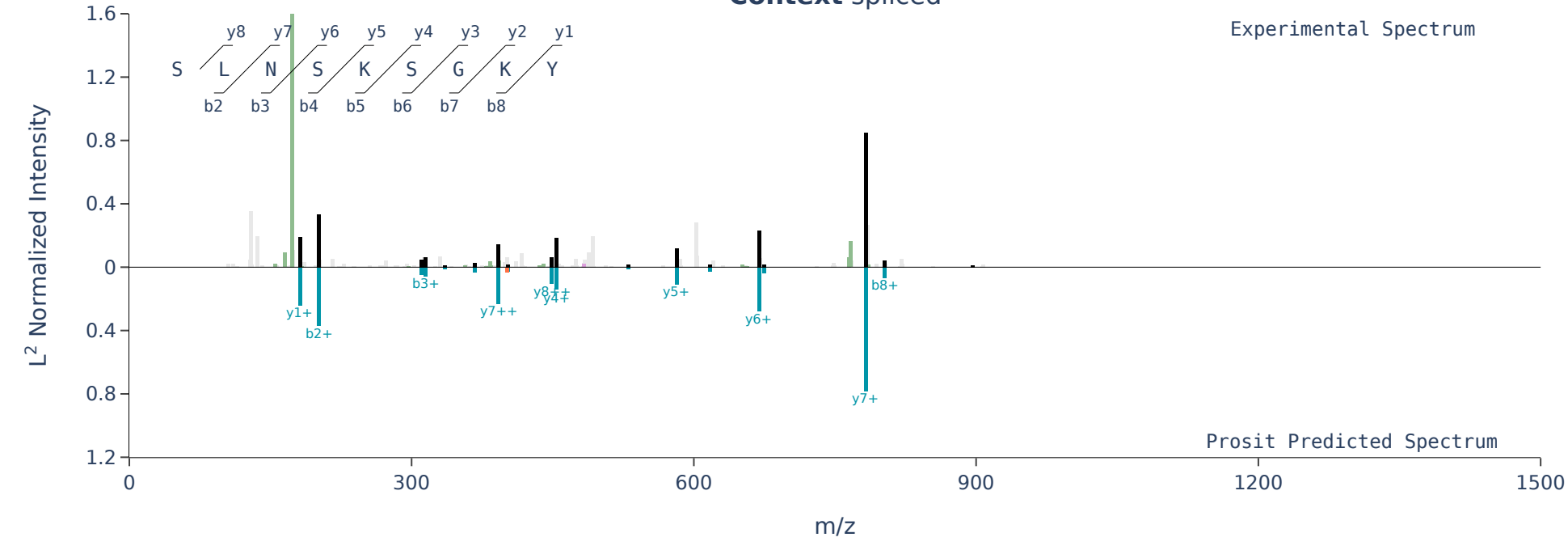
Source WSoh\_Meghna\_100424\_030524\_ExpI2\_K562\_B1501\_JC1\_R1 Scan 21204  
Peptide RLYWQKVSF Charge 3 Spectral Angle 0.83

Context cryptic



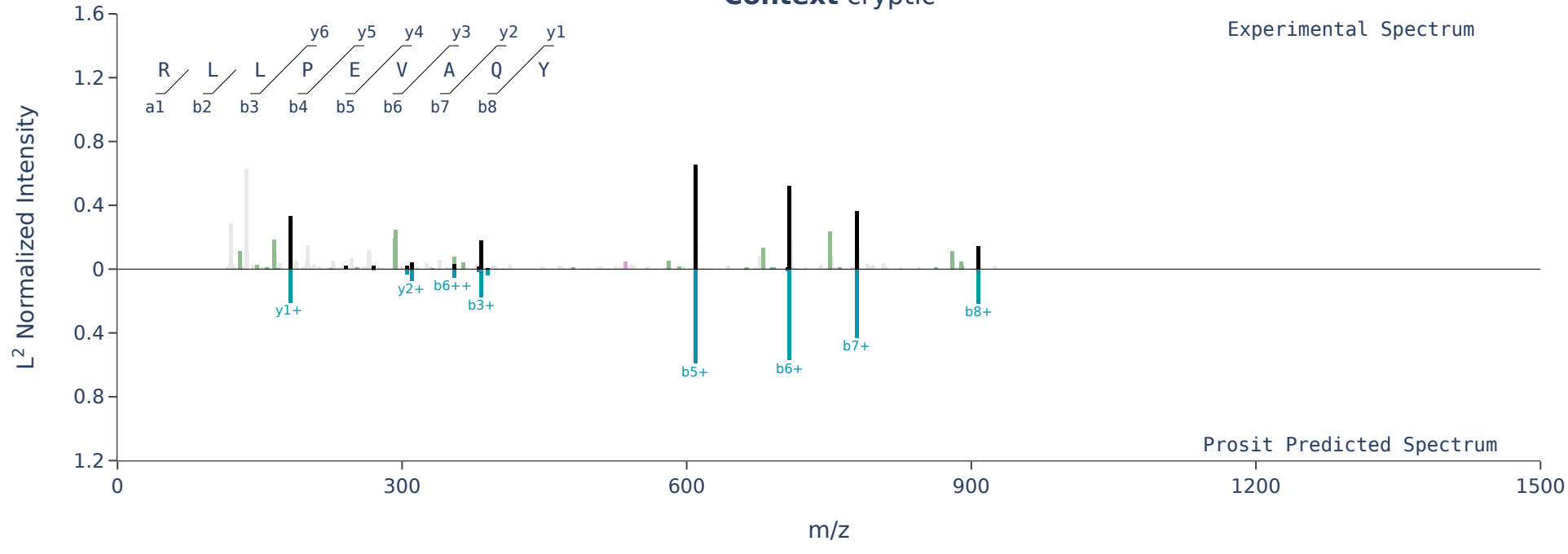
Source WSoh\_Meghna\_100424\_030524\_ExpI2\_K562\_B1501\_JC1\_R2 Scan 4622  
Peptide SLNSKSGKY Charge 2 Spectral Angle 0.9

Context spliced



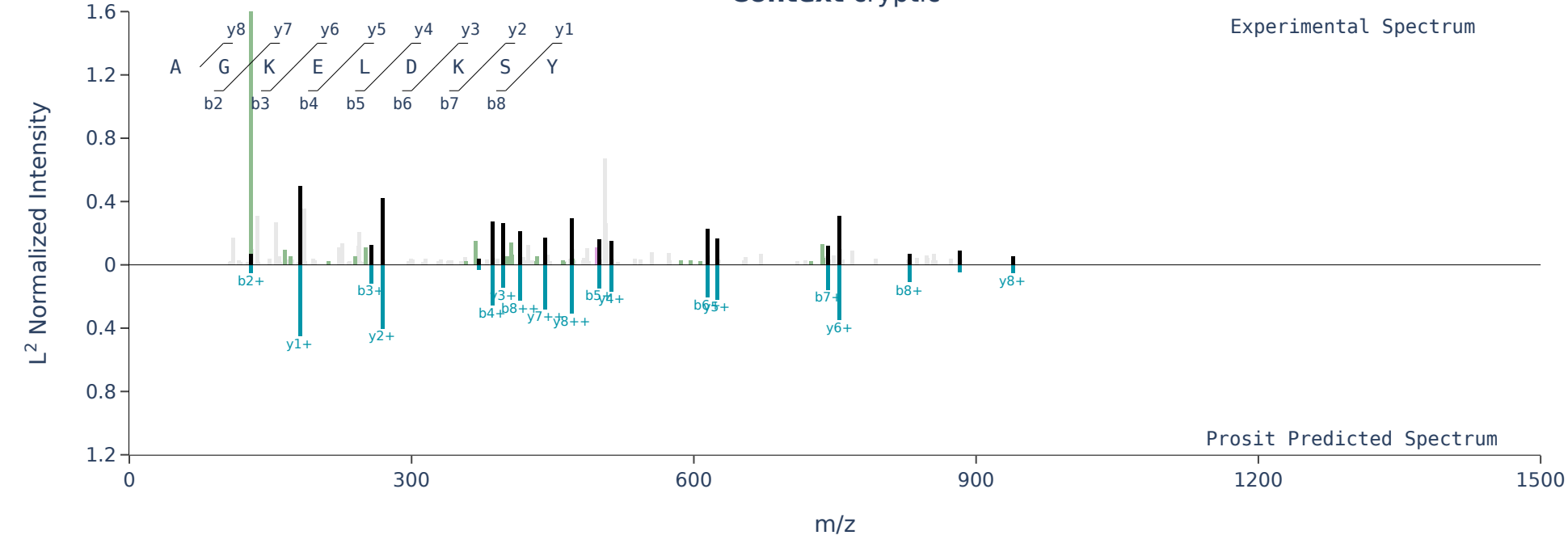
Source WSoh\_Meghna\_100424\_030524\_ExpI2\_K562\_B1501\_JC1\_R2 Scan 19982  
Peptide RLLPEVAQY Charge 2 Spectral Angle 0.88

Context cryptic



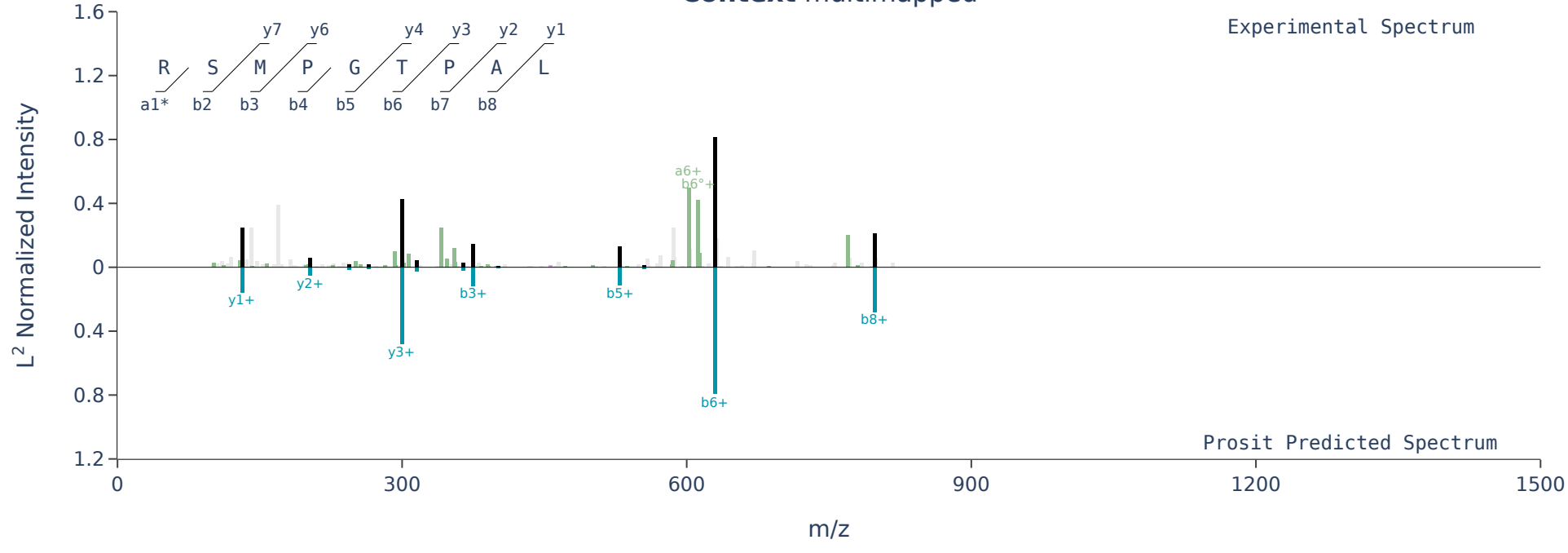
Source WSoh\_Meghna\_100424\_030524\_ExpI2\_K562\_B1501\_JC1\_R1 Scan 5405  
Peptide AGKELDKSY Charge 2 Spectral Angle 0.87

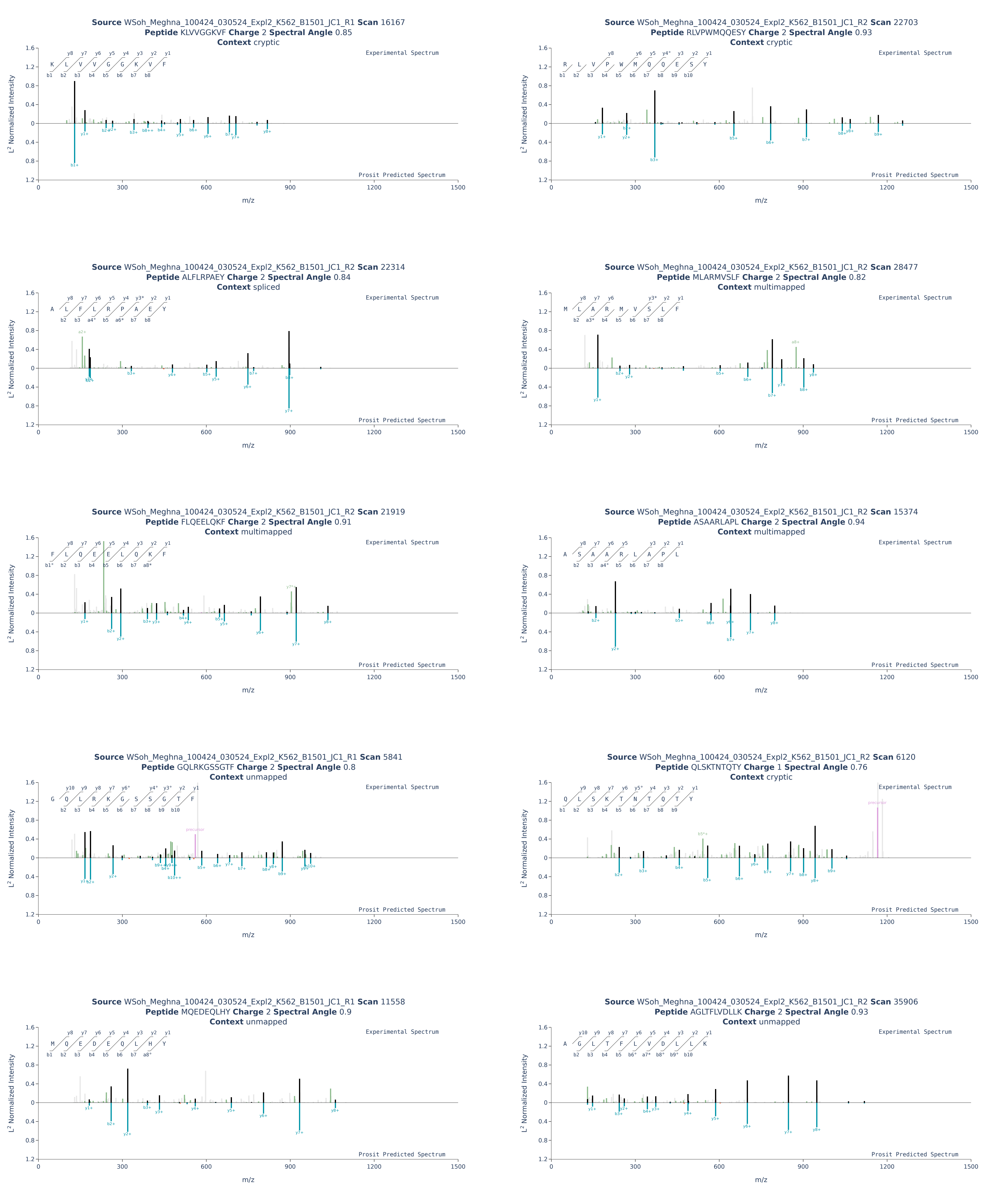
Context cryptic



Source WSoh\_Meghna\_100424\_030524\_ExpI2\_K562\_B1501\_JC1\_R1 Scan 13758  
Peptide RSMPTPAL Charge 2 Spectral Angle 0.92

Context multimapped





Source WSoh\_Meghna\_100424\_030524\_ExpI2\_K562\_B1501\_JC1\_R2

Peptide ALFLRPAEY

Charge 2

Spectral Angle 0.84

Context spliced

Experimental Spectrum

Prosit Predicted Spectrum

y8

y7

y6

y5

y4

y3\*

y2

y1

A

L

F

L

R

P

A

E

Y

b2

b3

a4°

b5

a6\*

b7

b8

a2+

b2+

b3+

y4+

b5+

y3+

b7+

y6+

b1+

y7+

b2+

L<sup>2</sup> Normalized Intensity

m/z

Source WSoh\_Meghna\_100424\_030524\_ExpI2\_K562\_B1501\_JC1\_R2

Peptide MLARMVSLF

Charge 2

Spectral Angle 0.82

Context multimapped

Experimental Spectrum

Prosit Predicted Spectrum

y8

y7

y6

y3\*

y2

y1

M

L

A

R

M

V

S

L

F

b2

a3\*

b4

b5

b6

b7

b8

y1+

b2+

y2+

b5+

b6+

b7+

y7+

a8+

y8+

y1+

L<sup>2</sup> Normalized Intensity

m/z

Source WSoh\_Meghna\_100424\_030524\_ExpI2\_K562\_B1501\_JC1\_R2

Peptide FLQEELQKF

Charge 2

Spectral Angle 0.91

Context multimapped

Experimental Spectrum

Prosit Predicted Spectrum

y8

y7

y6

y5

y4

y3

y2

y1

F

L

Q

E

E

L

Q

K

F

b1\*

b2

b3

b4

b5

b6

b7

a8\*

y1+

b2+

y2+

b3+

y3+

b4+

y4+

b5+

y5+

y6+

y7+

y8+

b2+

L<sup>2</sup> Normalized Intensity

m/z

Source WSoh\_Meghna\_100424\_030524\_ExpI2\_K562\_B1501\_JC1\_R2

Peptide ASAARLAPL

Charge 2

Spectral Angle 0.94

Context multimapped

Experimental Spectrum

Prosit Predicted Spectrum

y8

y7

y6

y5

y3

y2

y1

A

S

A

A

R

L

A

P

L

b2

b3

a4\*

b5

b6

b7

b8

b2+

b5+

b6+

y6+

b7+

y7+

y8+

y2+

L<sup>2</sup> Normalized Intensity

m/z

Source WSoh\_Meghna\_100424\_030524\_ExpI2\_K562\_B1501\_JC1\_R1

Peptide GQLRKSSGTF

Charge 2

Spectral Angle 0.8

Context unmapped

Experimental Spectrum

Prosit Predicted Spectrum

y10

y9

y8

y7

y6\*

y4°

y3°

y2

y1

G

Q

L

R

K

G

S

S

G

T

F

b2

b3

b4

b5

b6

b7

b8

b9

b10

y1

b2+

y2+

b9+

y9+

b10++

b2+

b6+

y7+

b7+

b8+

b9+

y9

b10+

b10++

precursor

L<sup>2</sup> Normalized Intensity

m/z

Source WSoh\_Meghna\_100424\_030524\_ExpI2\_K562\_B1501\_JC1\_R2

Peptide QLSKTNLTQTY

Charge 1

Spectral Angle 0.76

Context cryptic

Experimental Spectrum

Prosit Predicted Spectrum

y9

y8

y7

y6

y5°

y4

y3

y2

y1

Q

L

S

K

T

N

T

Q

T

Y

b1

b2

b3

b4

b5

b6

b7

b8

b9

b2+

b3+

b4+

b5+

b6+

b7+

y6+

y7+

b8+

y8+

b9+

b10++

precursor

L<sup>2</sup> Normalized Intensity

m/z

Source WSoh\_Meghna\_100424\_030524\_ExpI2\_K562\_B1501\_JC1\_R1

Peptide MQEDEQLHY

Charge 2

Spectral Angle 0.9

Context unmapped

Experimental Spectrum

Prosit Predicted Spectrum

y8

y7

y6

y5

y4

y3

y2

y1

M

Q

E

D

E

Q

L

H

Y

b1

b2

b3

b4

b5

b6

b7

a8\*

y1+

b2+

y2+

b3+

y3+

y4+

y5+

y6+

y7+

y8+

b2+

L<sup>2</sup> Normalized Intensity

m/z

Source WSoh\_Meghna\_100424\_030524\_ExpI2\_K562\_B1501\_JC1\_R2

Peptide AGLTFLVDLLK

Charge 2

Spectral Angle 0.93

Context unmapped

Experimental Spectrum

Prosit Predicted Spectrum

y10

y9

y8

y7

y6

y5

y4

y3

y2

y1

A

G

L

T

F

L

V

D

L

L

K

b2

b3

b4

b5

b6\*

a7\*

b8\*

b9\*

b10

y1+

b3+

b4+

y3+

y4+

y5+

y6+

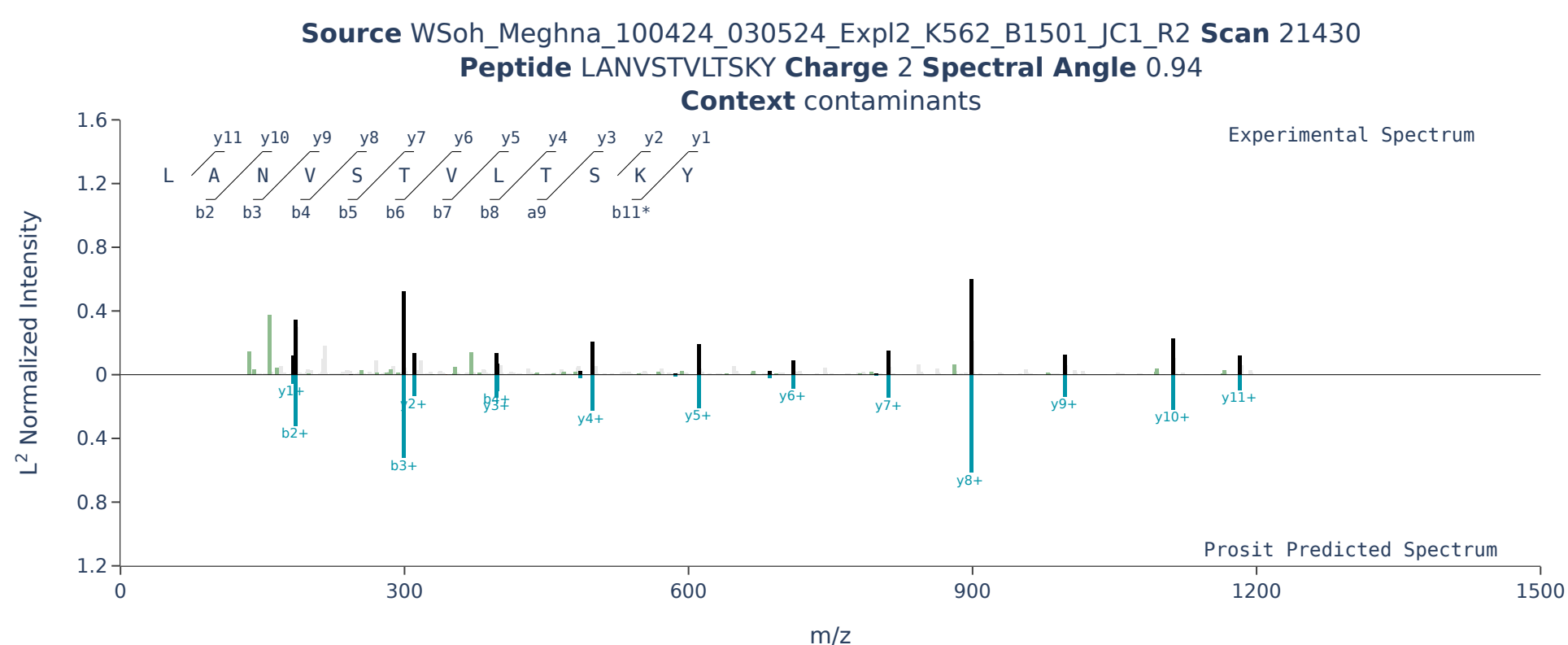
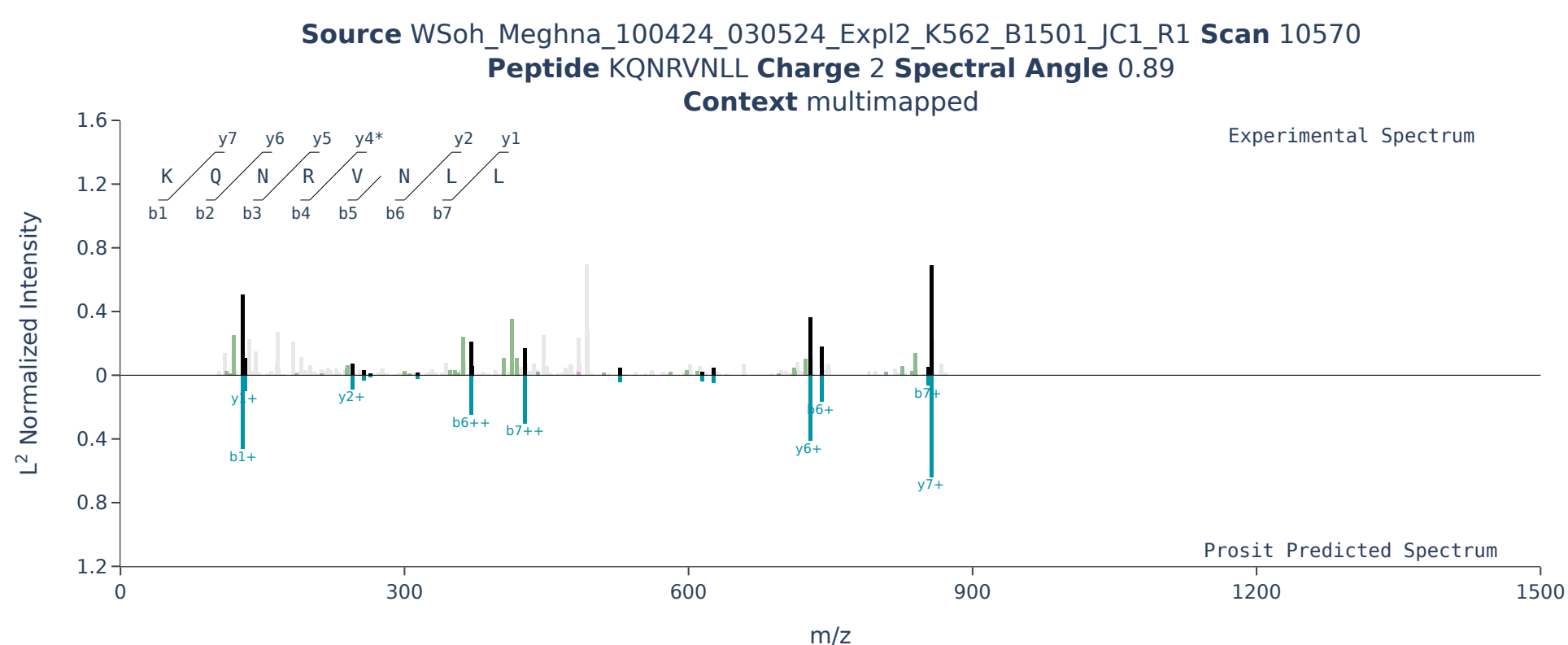
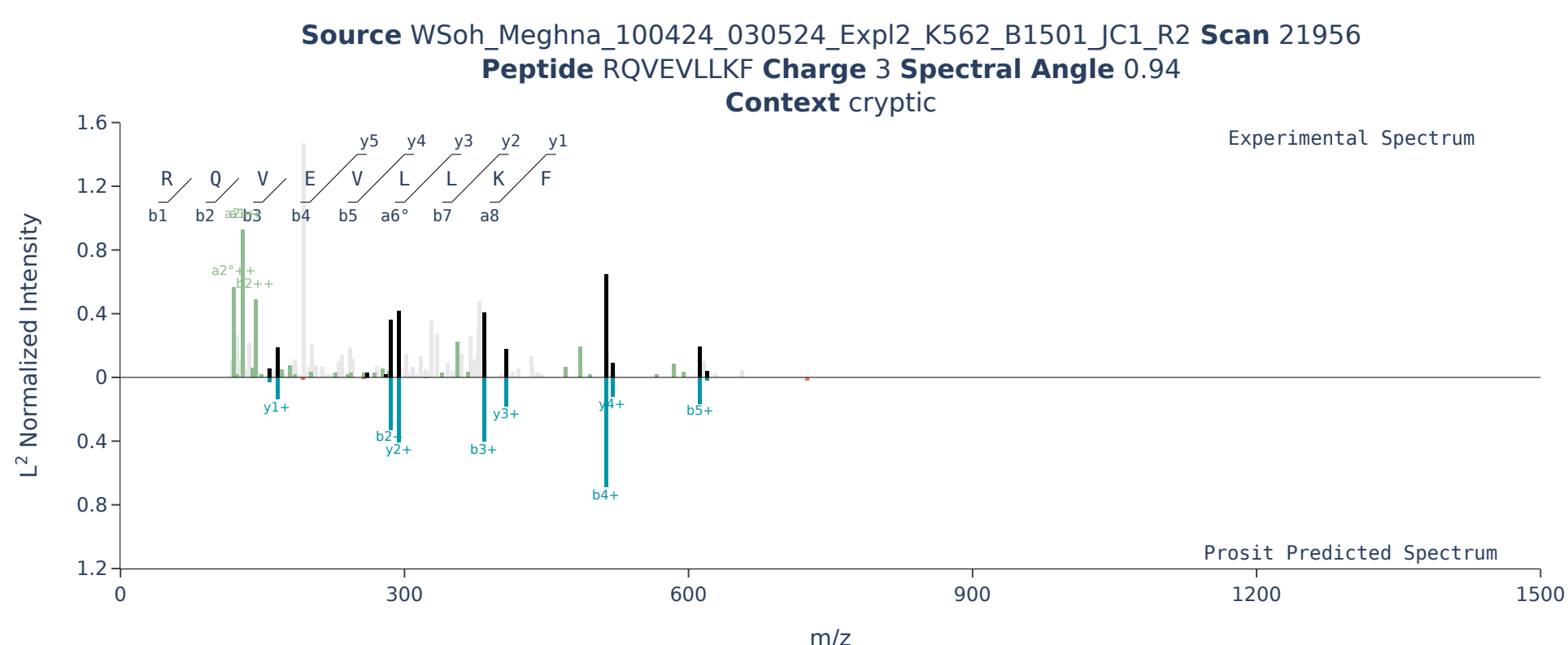
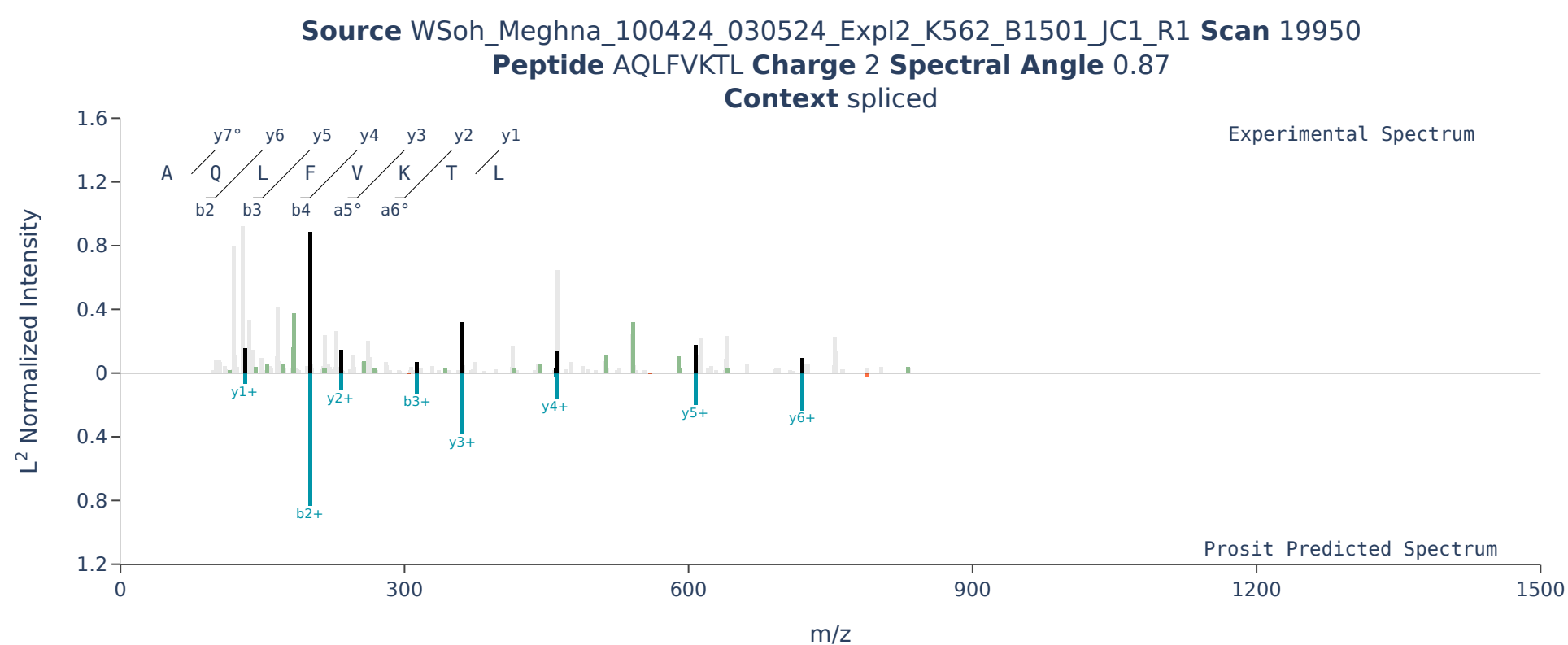
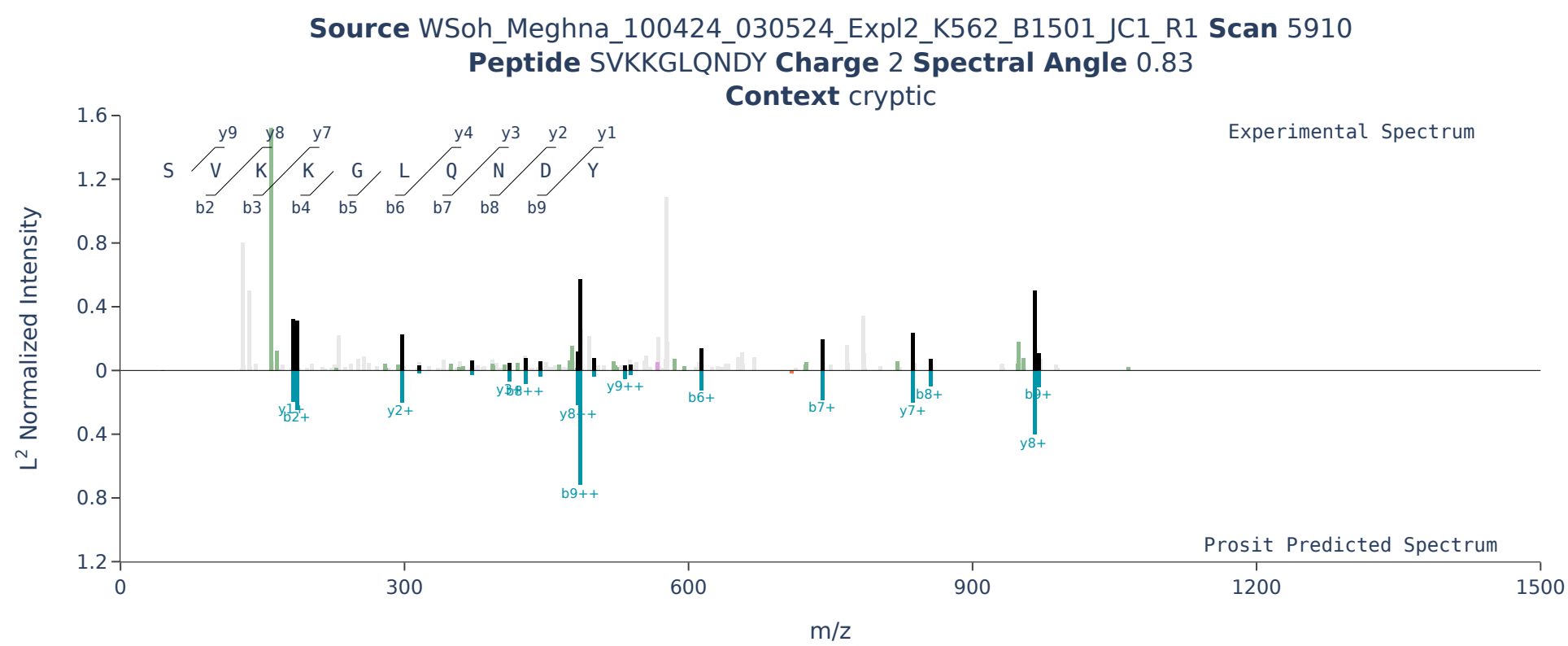
y7+

y8+

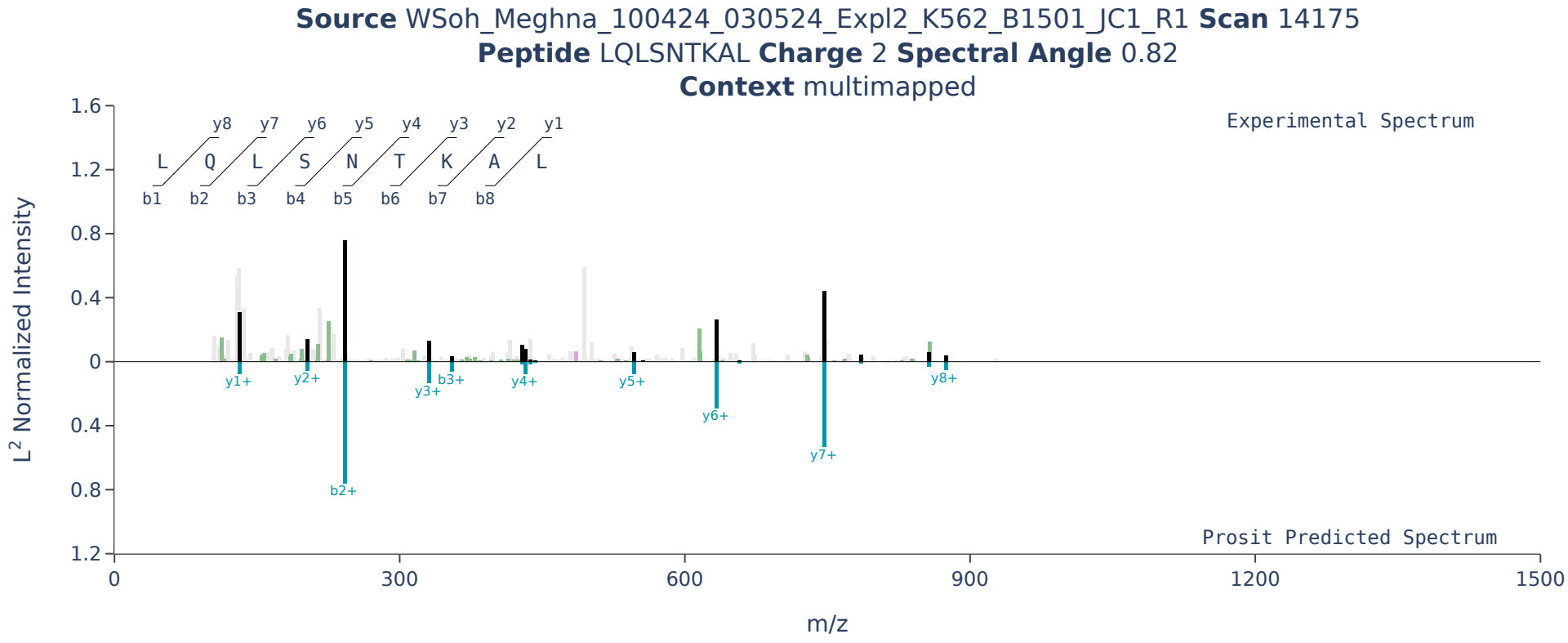
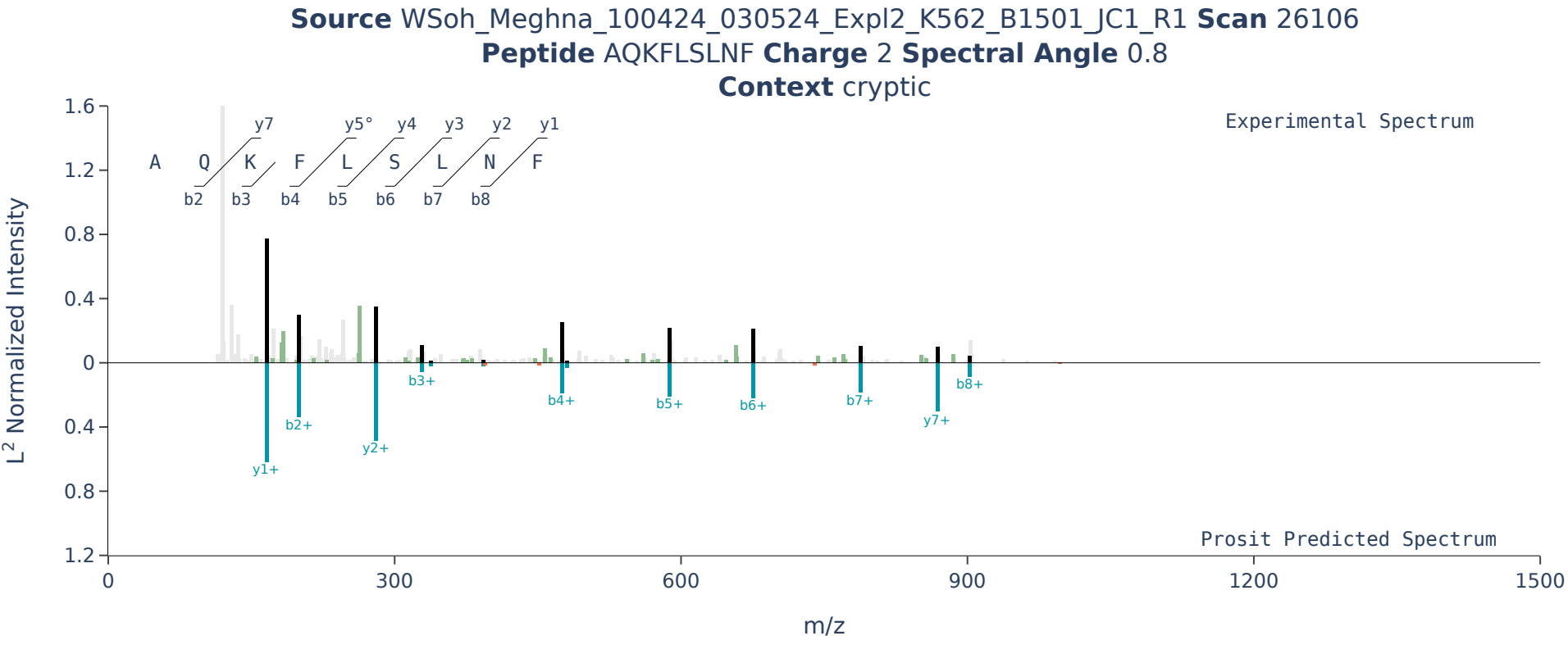
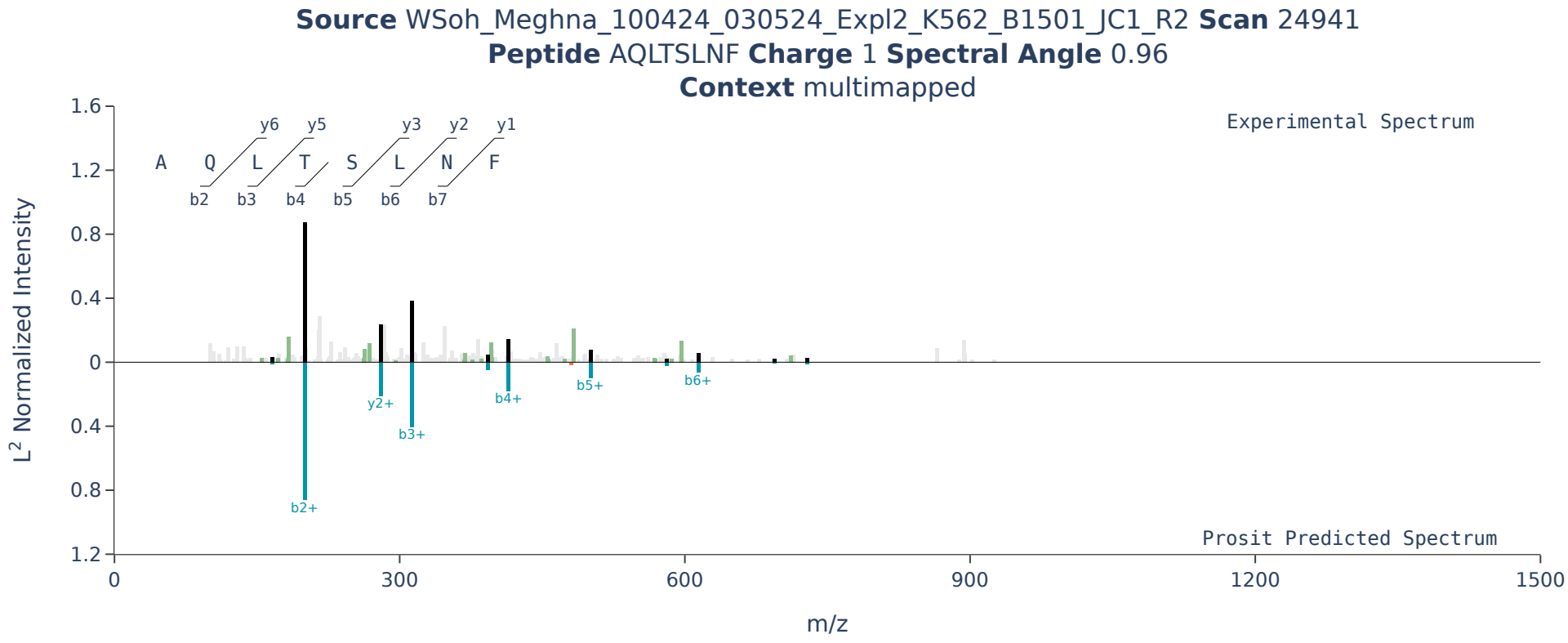
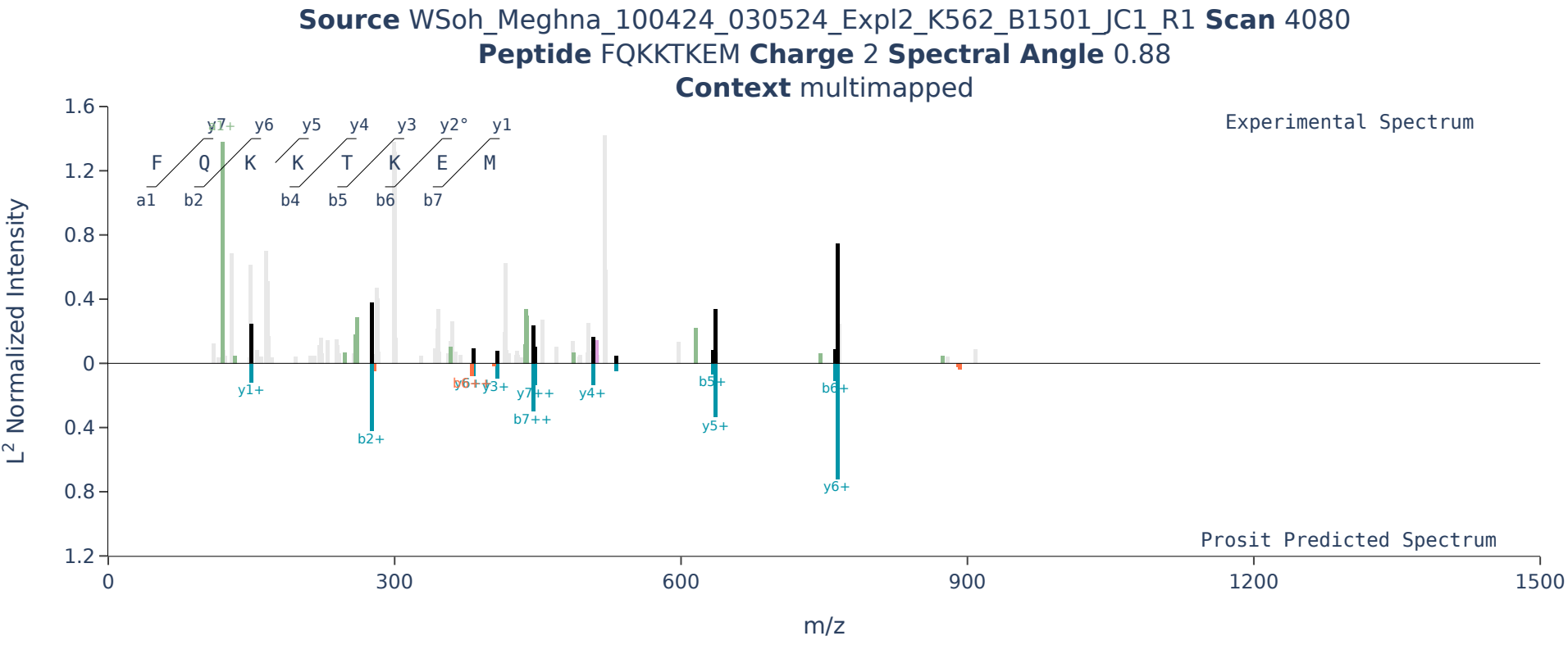
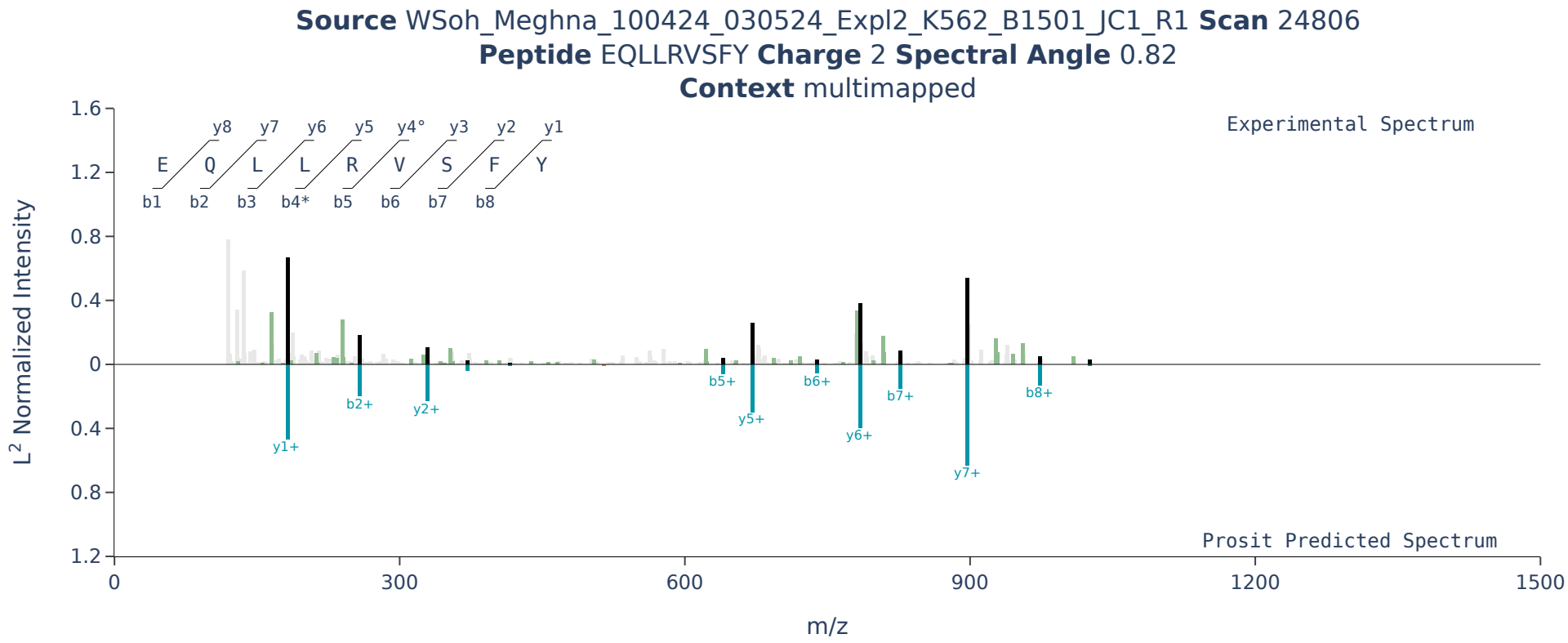
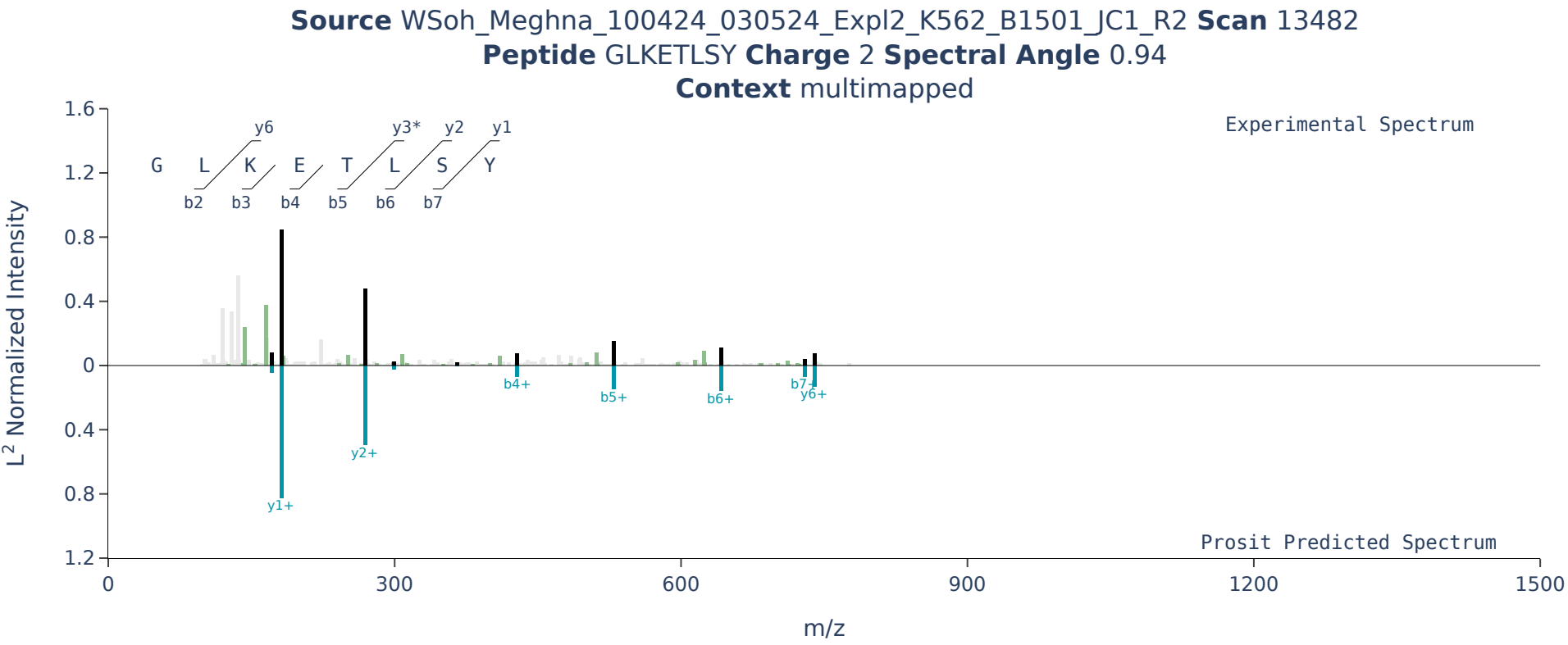
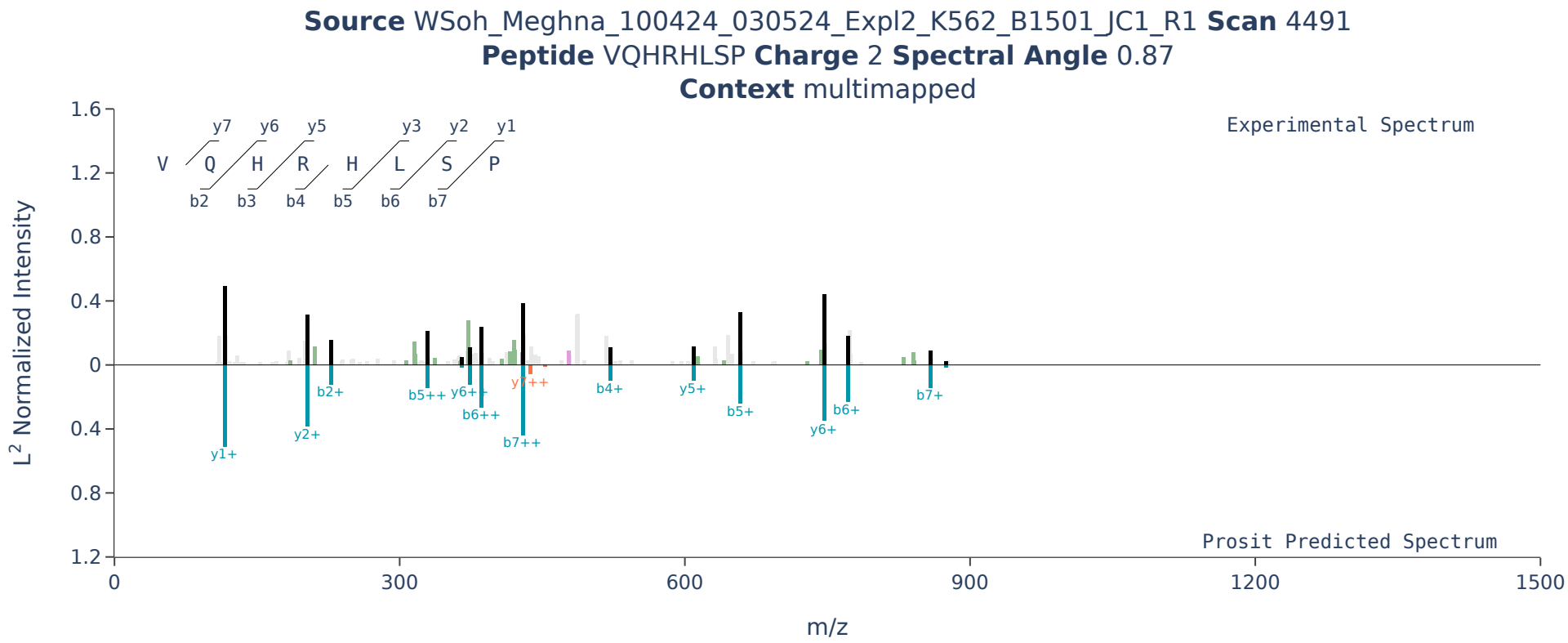
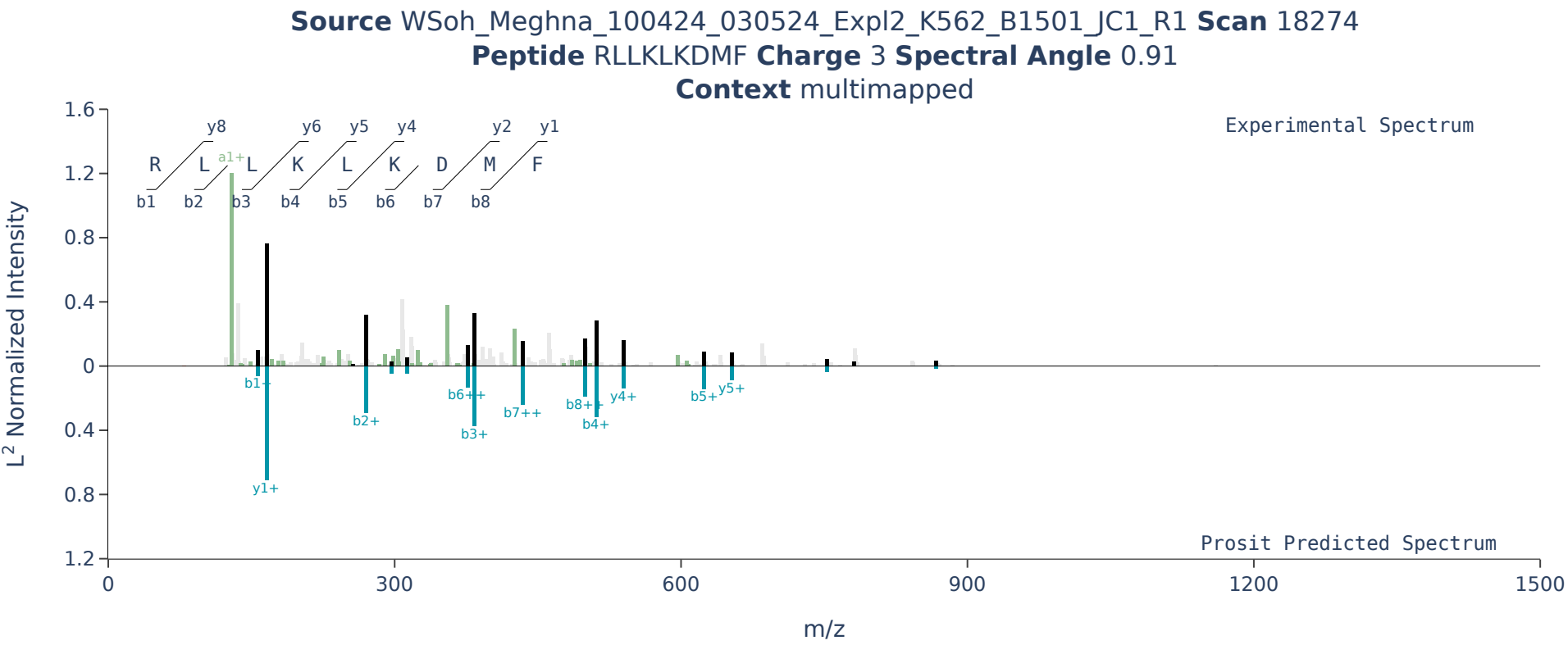
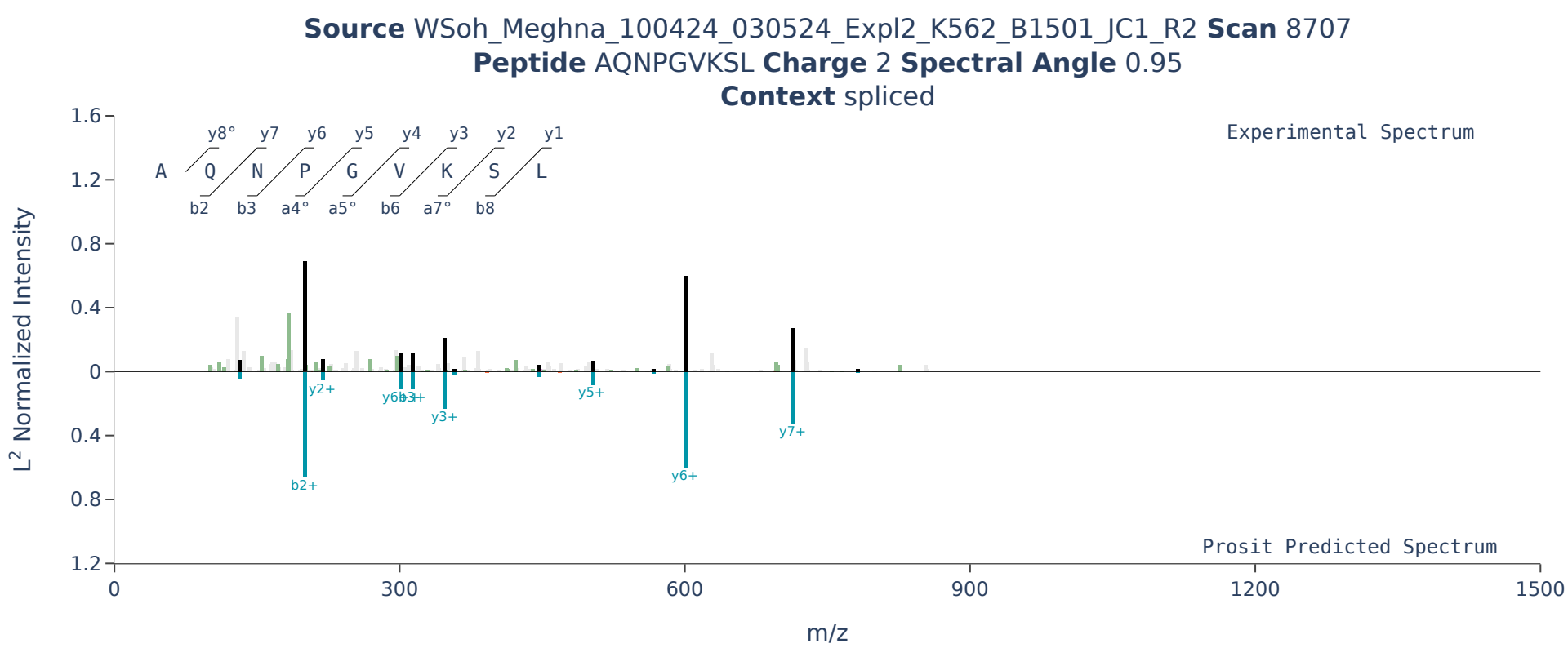
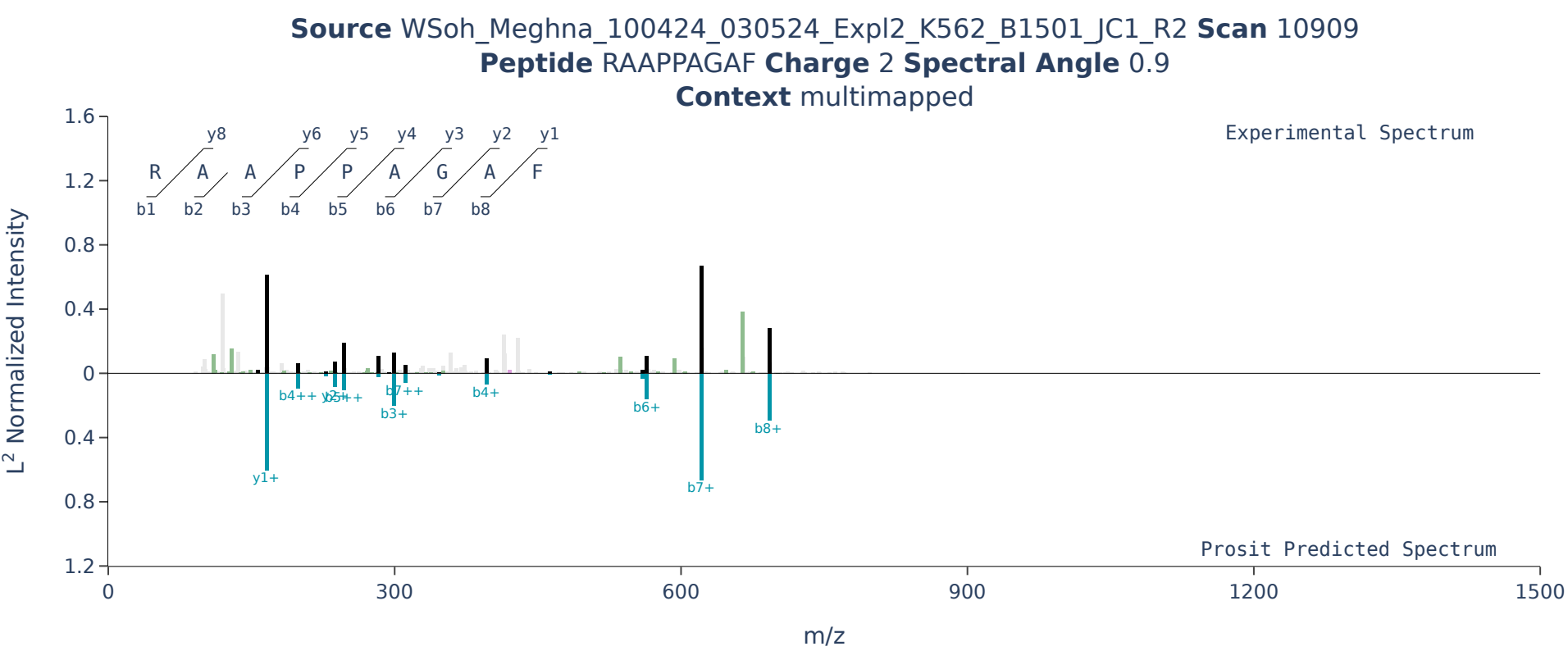
b2+

L<sup>2</sup> Normalized Intensity

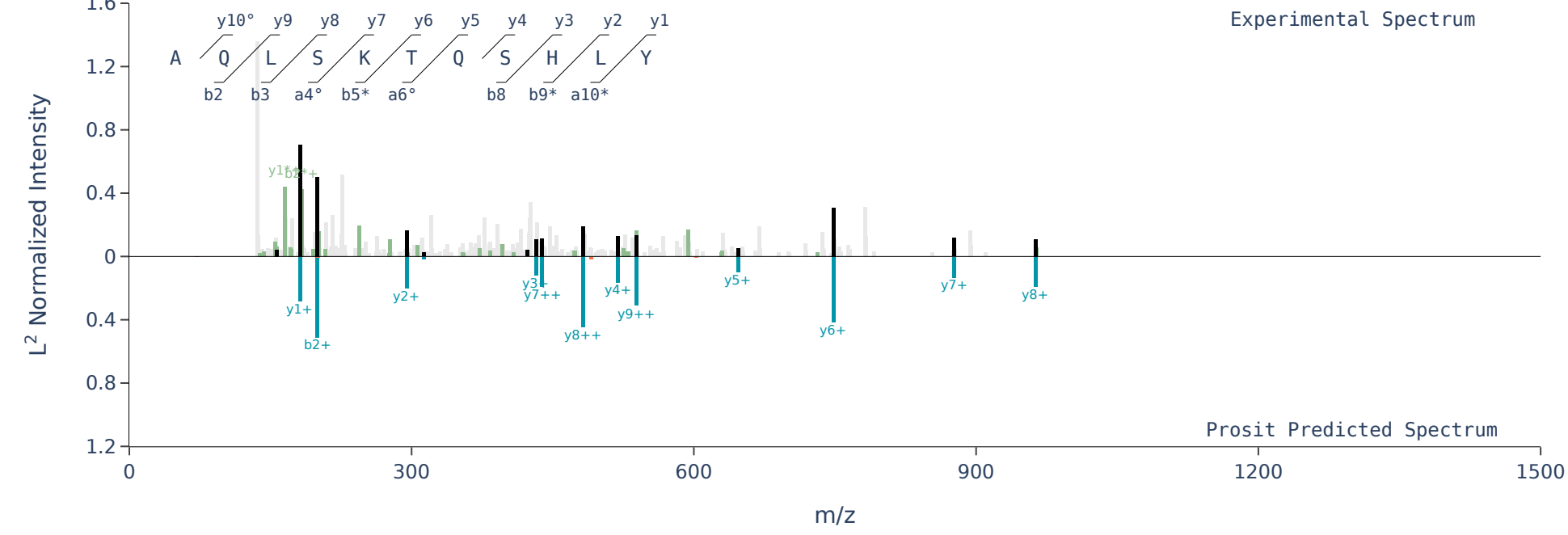
m/z



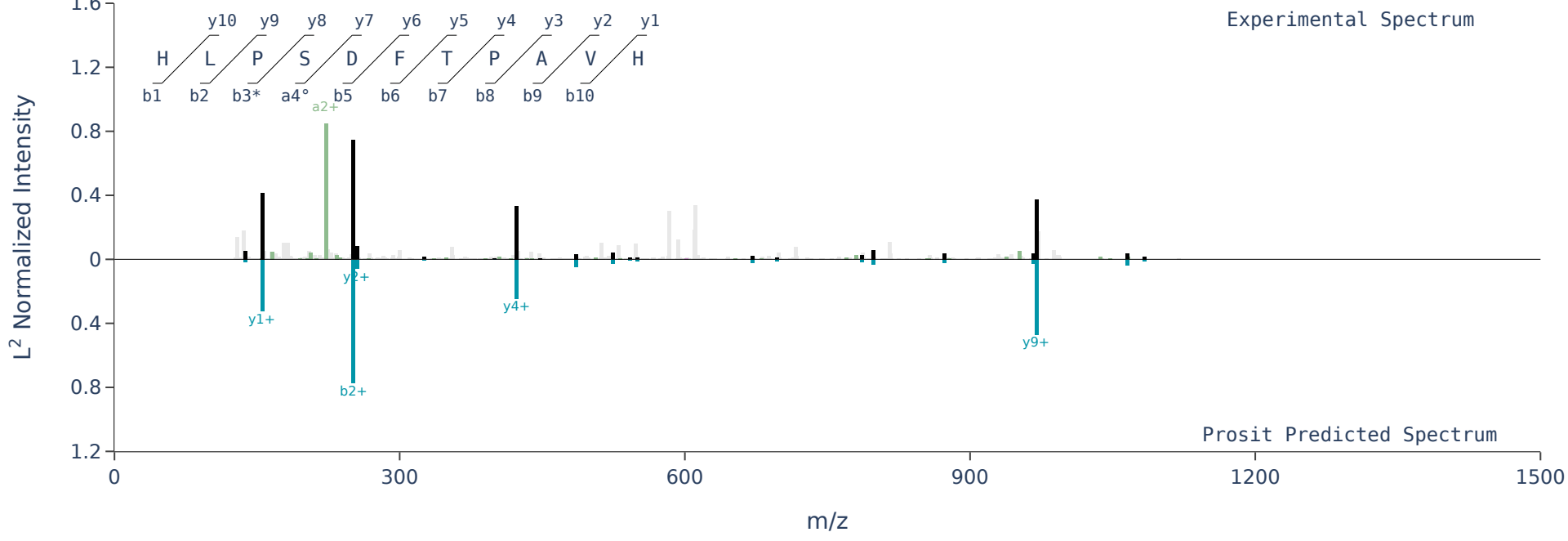




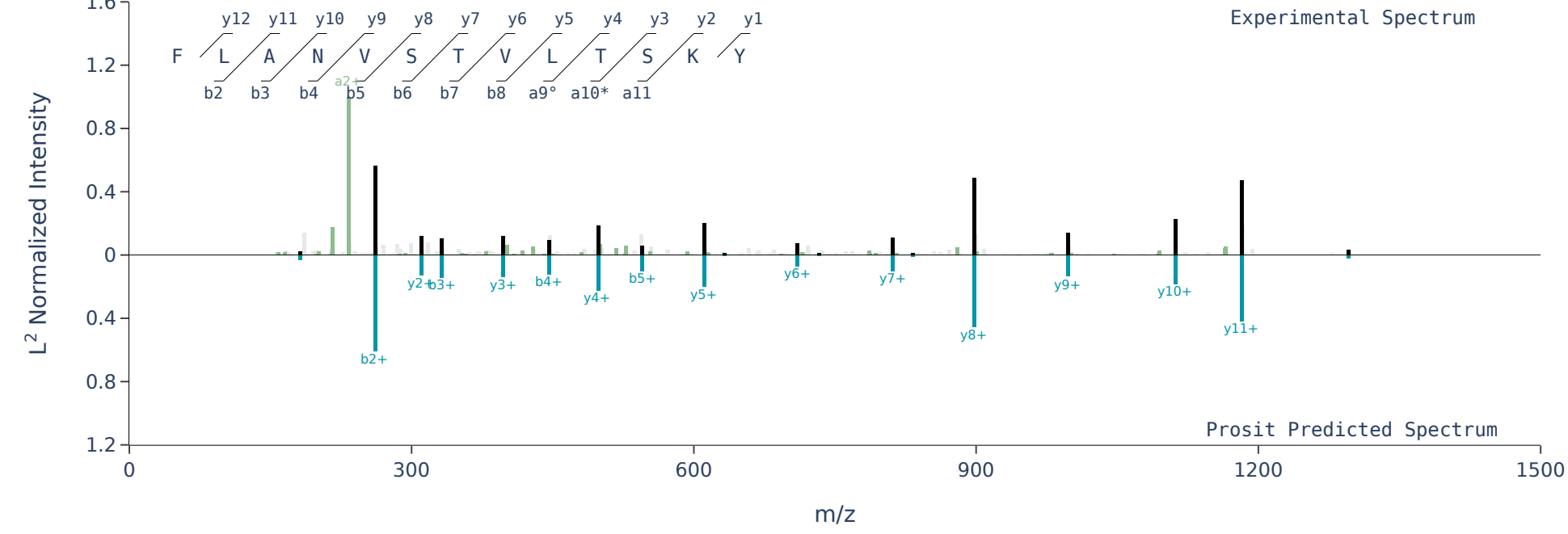
Source WSoh\_Meghna\_100424\_030524\_ExpI2\_K562\_B1501\_JC1\_R1 Scan 7682  
Peptide AQLSKTQSHLY Charge 3 Spectral Angle 0.64  
Context cryptic



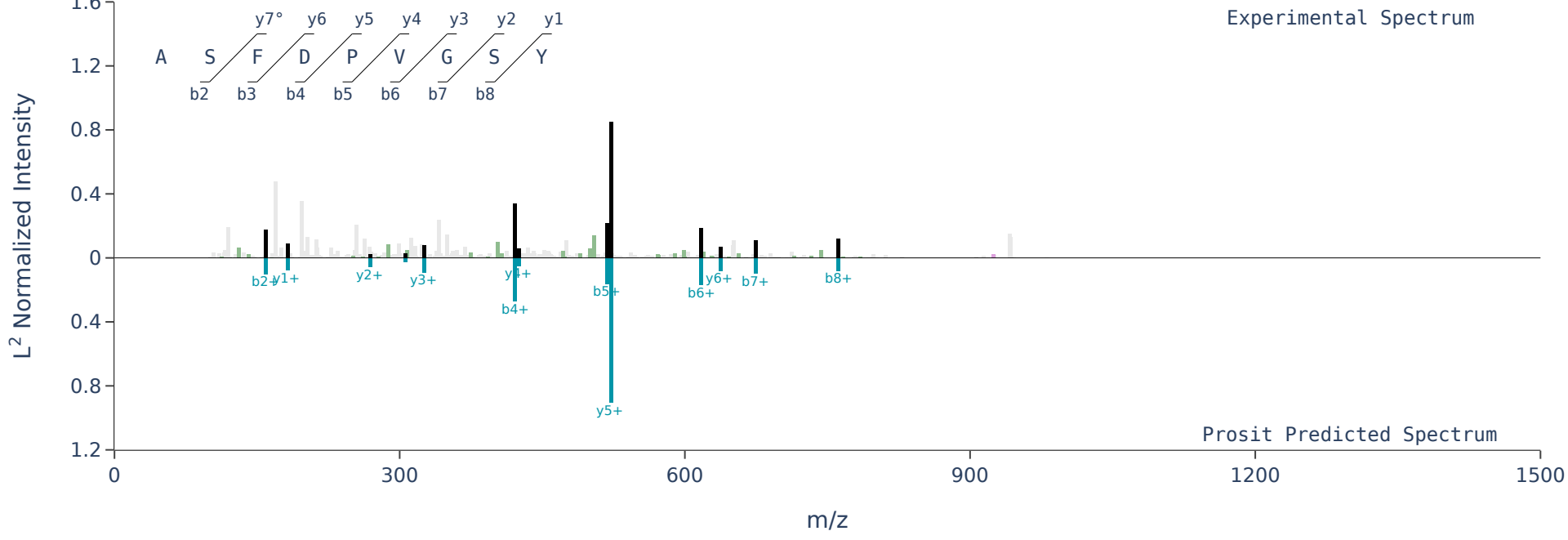
Source WSoh\_Meghna\_100424\_030524\_ExpI2\_K562\_B1501\_JC1\_R1 Scan 15146  
Peptide HLPDFTPAVH Charge 2 Spectral Angle 0.89  
Context contaminants



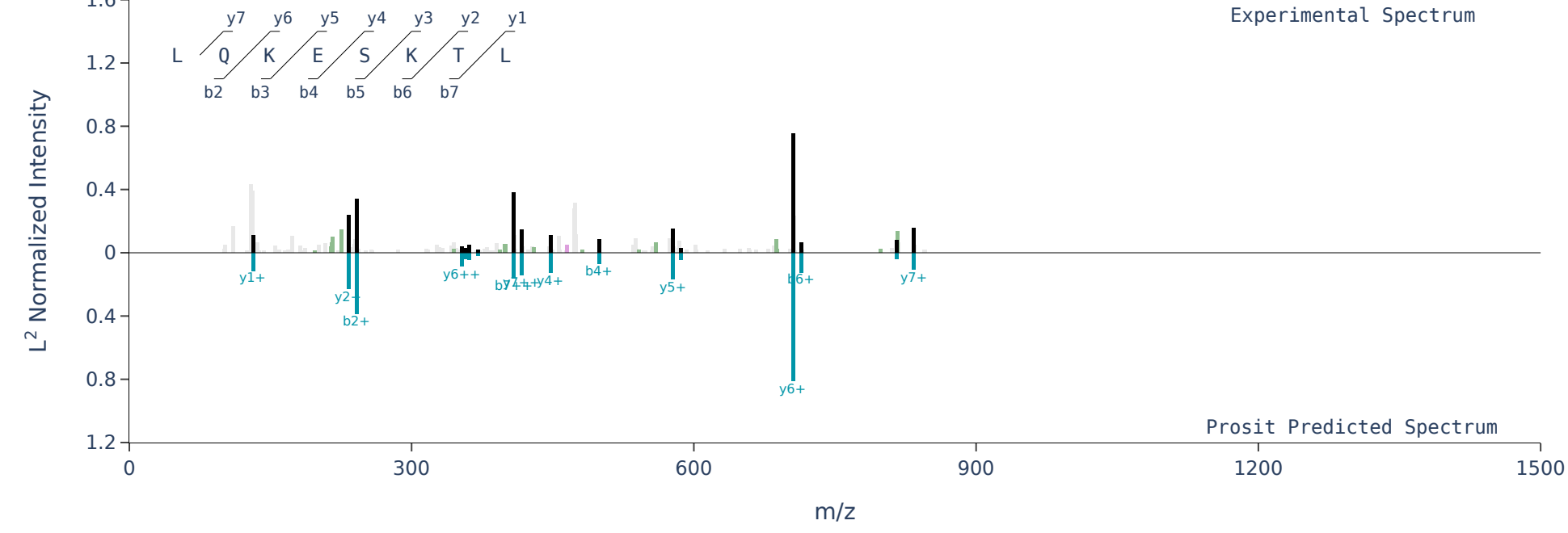
Source WSoh\_Meghna\_100424\_030524\_ExpI2\_K562\_B1501\_JC1\_R2 Scan 26853  
Peptide FLANVSTVLTSKY Charge 2 Spectral Angle 0.92  
Context contaminants



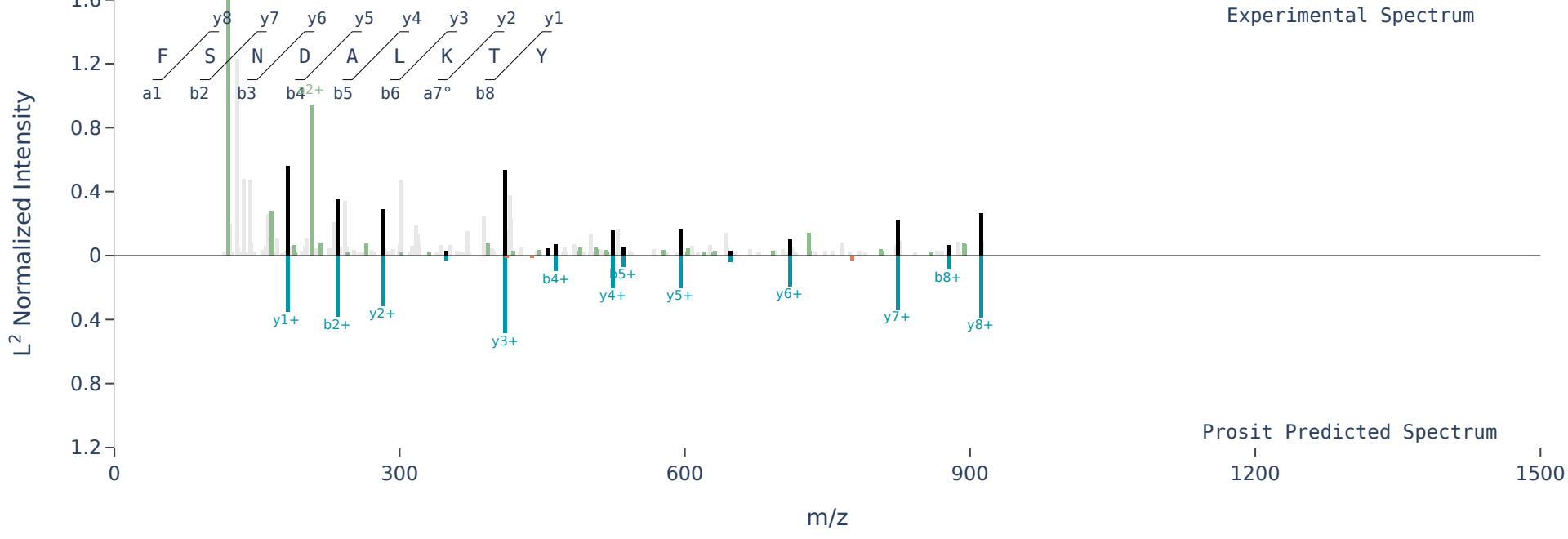
Source WSoh\_Meghna\_100424\_030524\_ExpI2\_K562\_B1501\_JC1\_R2 Scan 20036  
Peptide ASFDPVGSY Charge 1 Spectral Angle 0.91  
Context spliced



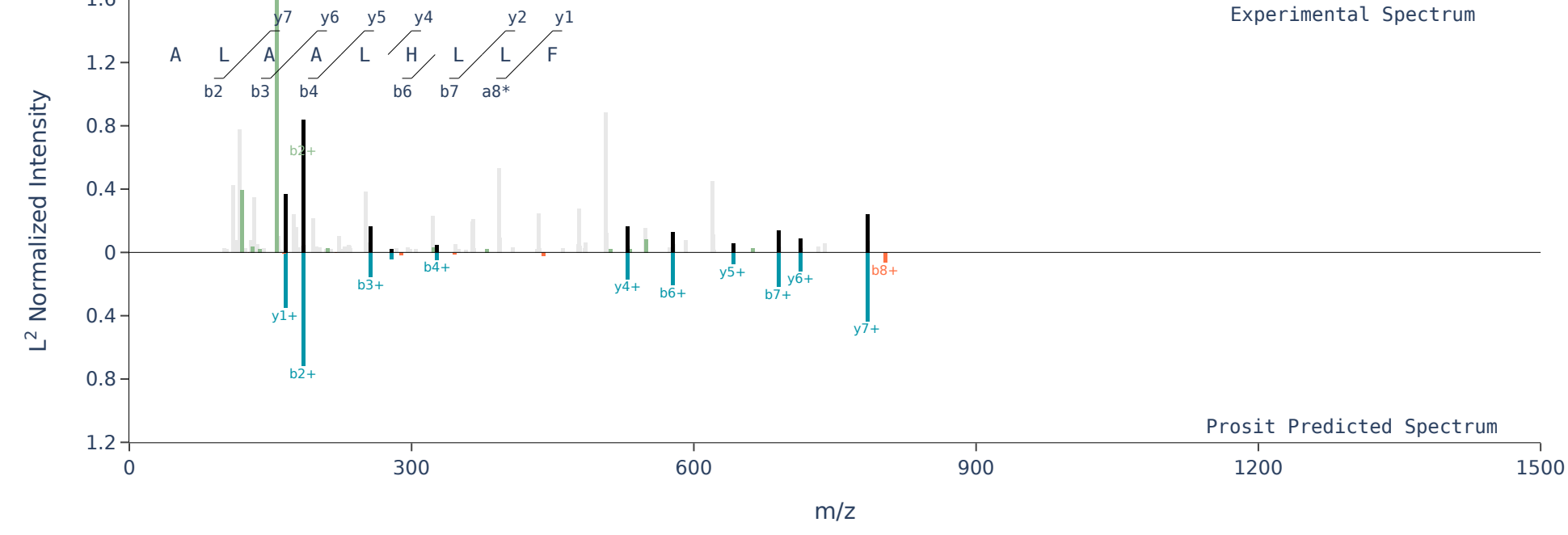
Source WSoh\_Meghna\_100424\_030524\_ExpI2\_K562\_B1501\_JC1\_R2 Scan 5107  
Peptide LQKESKTL Charge 2 Spectral Angle 0.84  
Context spliced



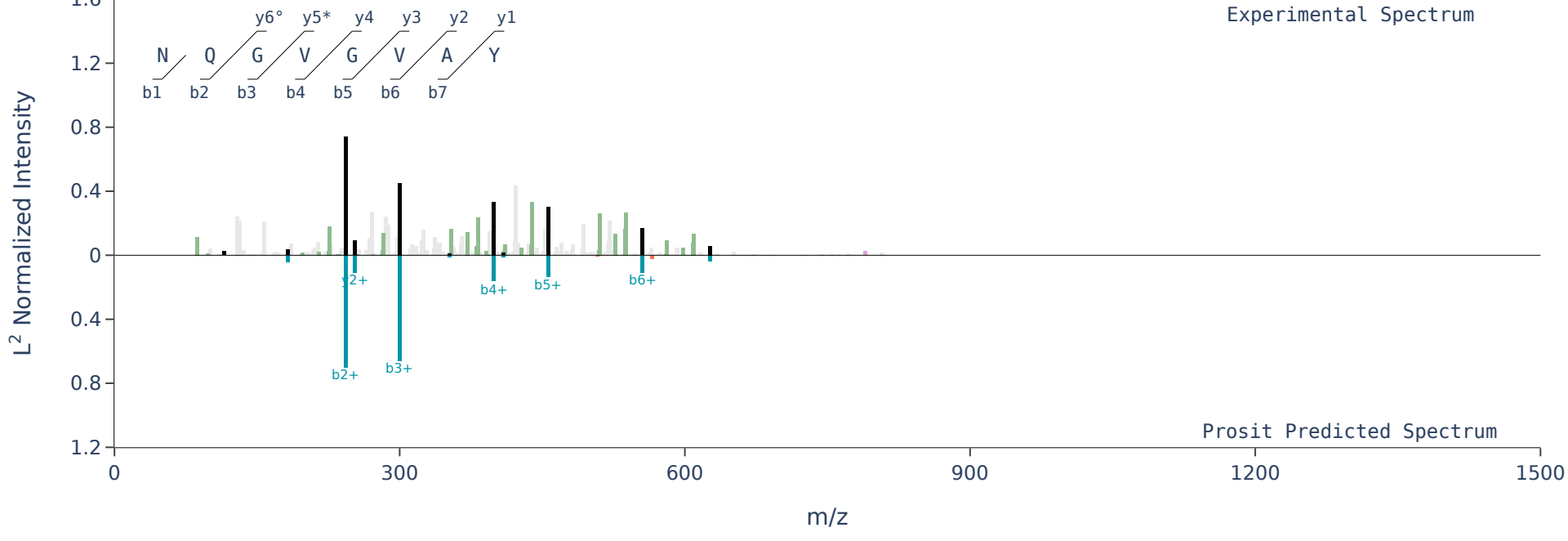
Source WSoh\_Meghna\_100424\_030524\_ExpI2\_K562\_B1501\_JC1\_R1 Scan 13257  
Peptide FSDALKTY Charge 2 Spectral Angle 0.81  
Context multimapped



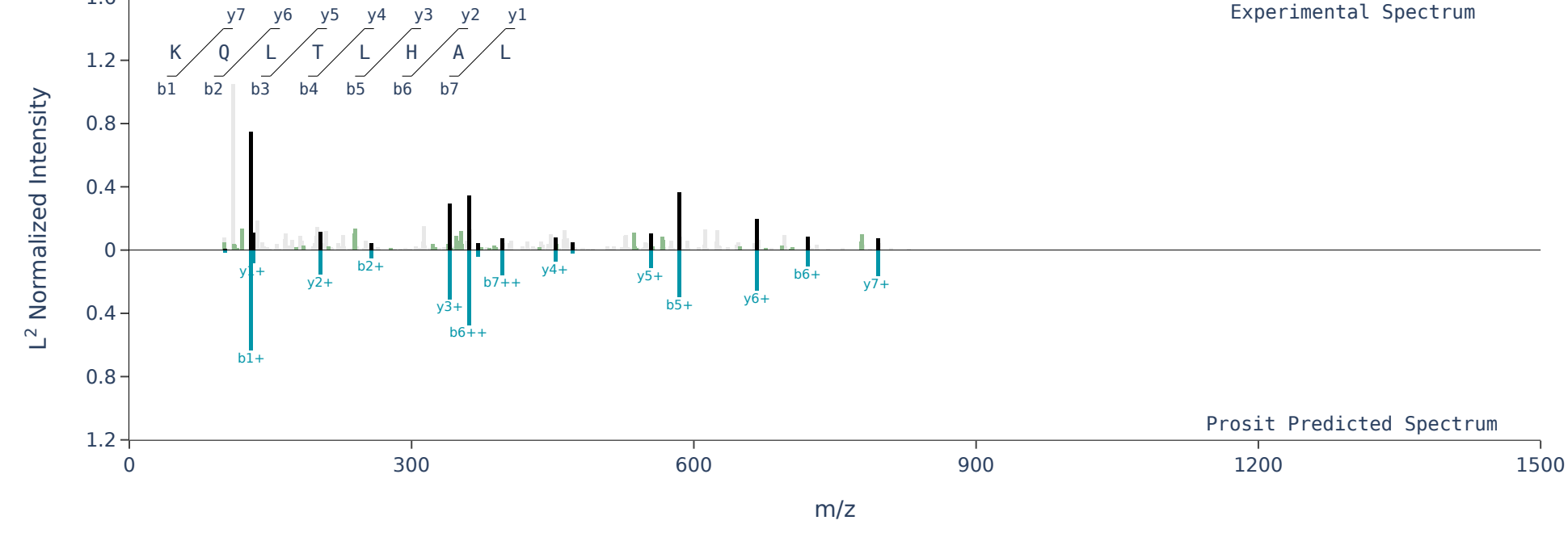
Source WSoh\_Meghna\_100424\_030524\_ExpI2\_K562\_B1501\_JC1\_R2 Scan 32995  
Peptide ALAALHLF Charge 2 Spectral Angle 0.83  
Context multimapped



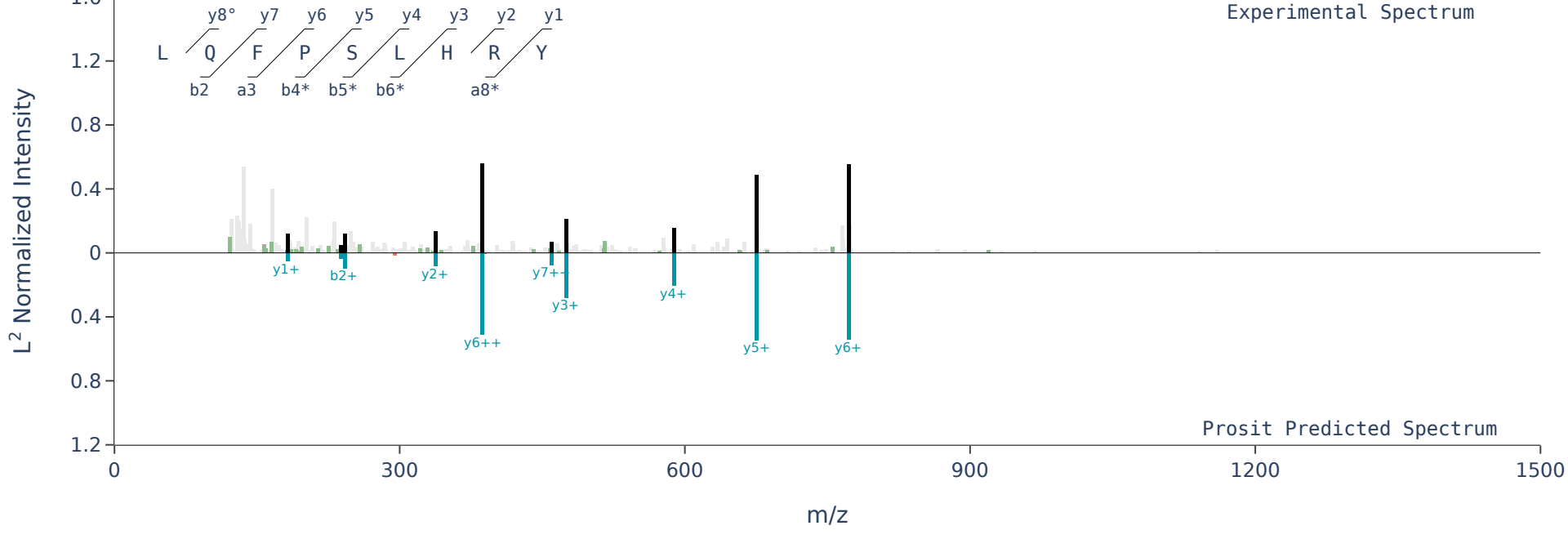
Source WSoh\_Meghna\_100424\_030524\_ExpI2\_K562\_B1501\_JC1\_R1 Scan 9962  
Peptide NQGVGVAY Charge 1 Spectral Angle 0.79  
Context spliced



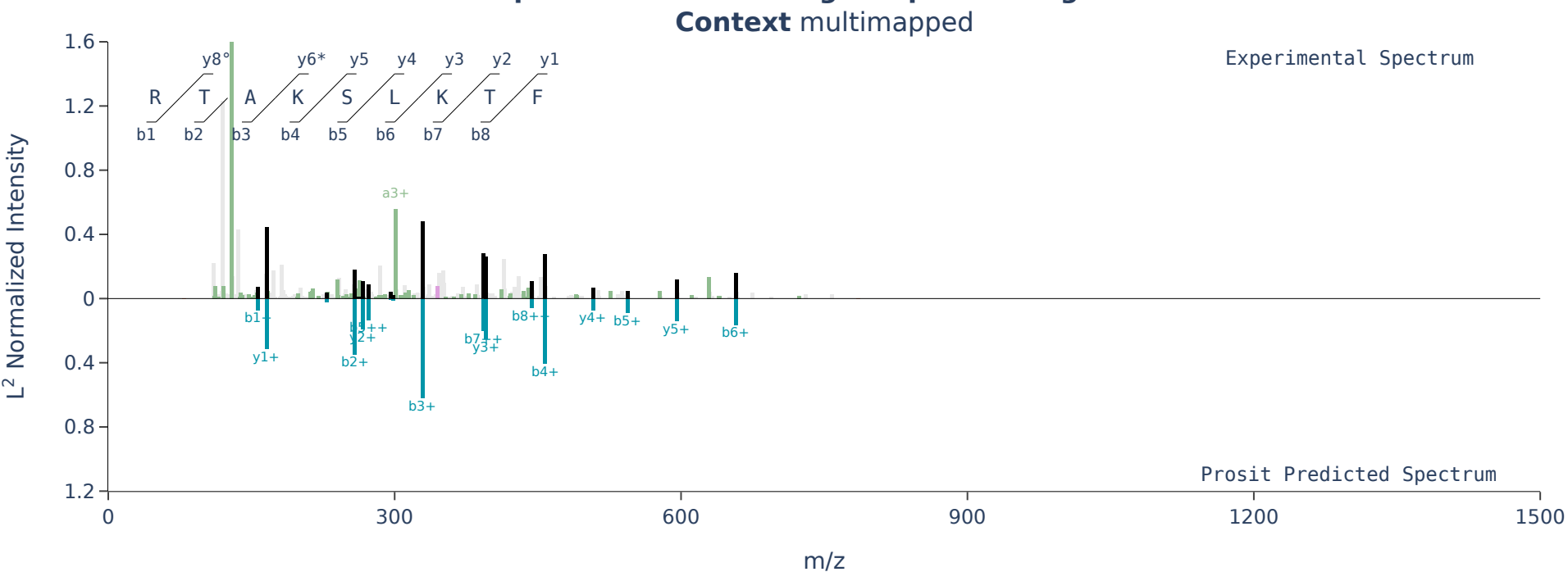
Source WSoh\_Meghna\_100424\_030524\_ExpI2\_K562\_B1501\_JC1\_R1 Scan 13097  
Peptide KQLTLHAL Charge 2 Spectral Angle 0.85  
Context multimapped



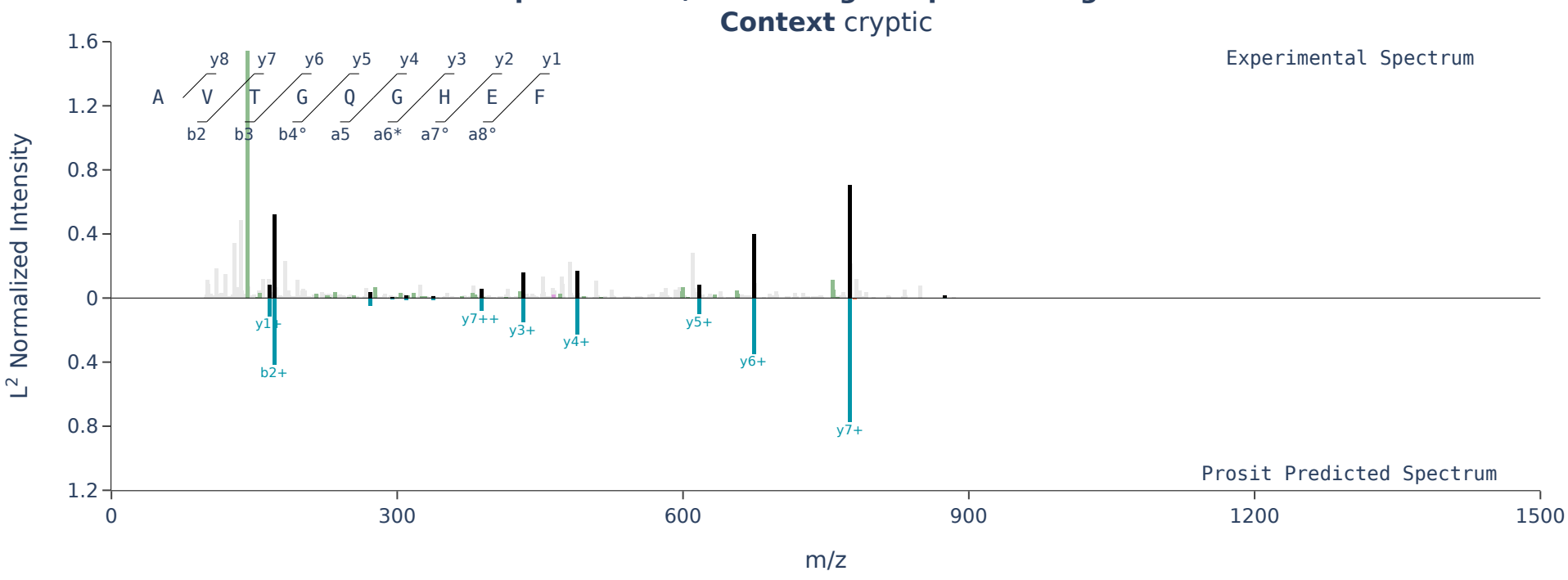
Source WSoh\_Meghna\_100424\_030524\_ExpI2\_K562\_B1501\_JC1\_R1 Scan 19510  
Peptide LQFPSLHRY Charge 3 Spectral Angle 0.91  
Context multimapped



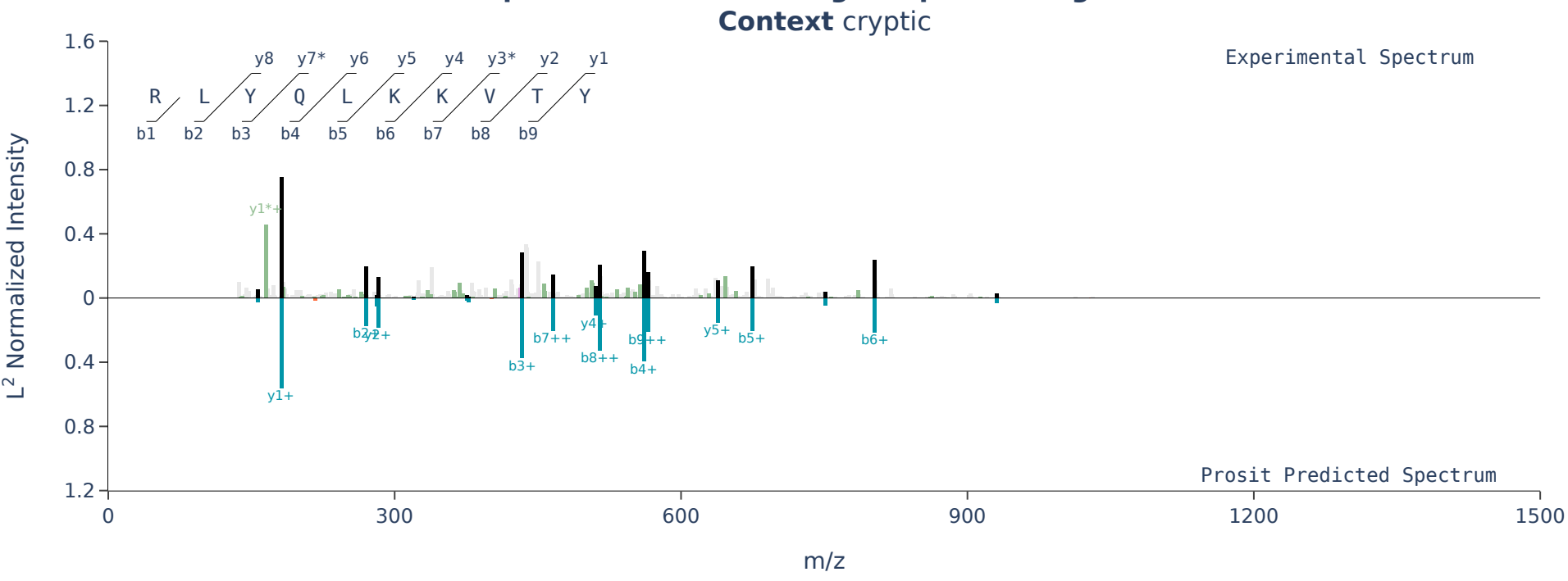
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Peptide RTAKSLKTF Charge 3 Spectral Angle 0.79



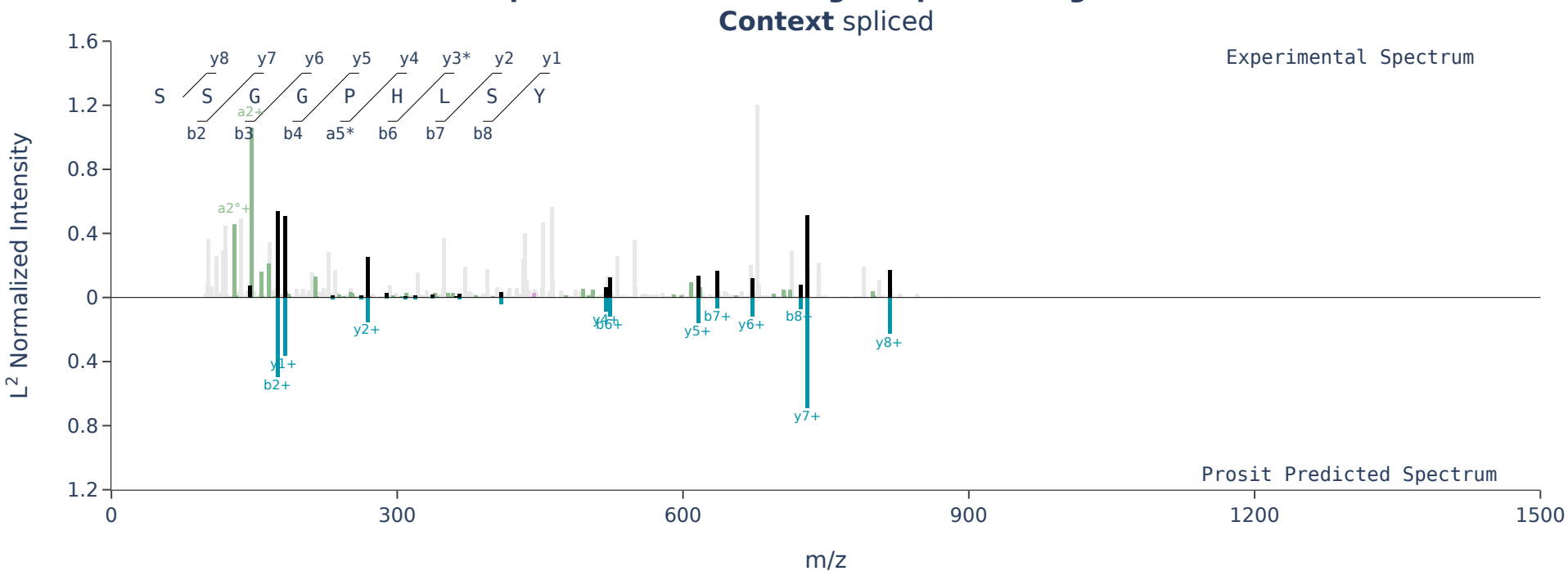
Source WSoh\_Meghna\_100424\_030524\_ExpI2\_K562\_B1501\_JC1\_R1 Scan 7934  
Peptide AVTGQGHEF Charge 2 Spectral Angle 0.9



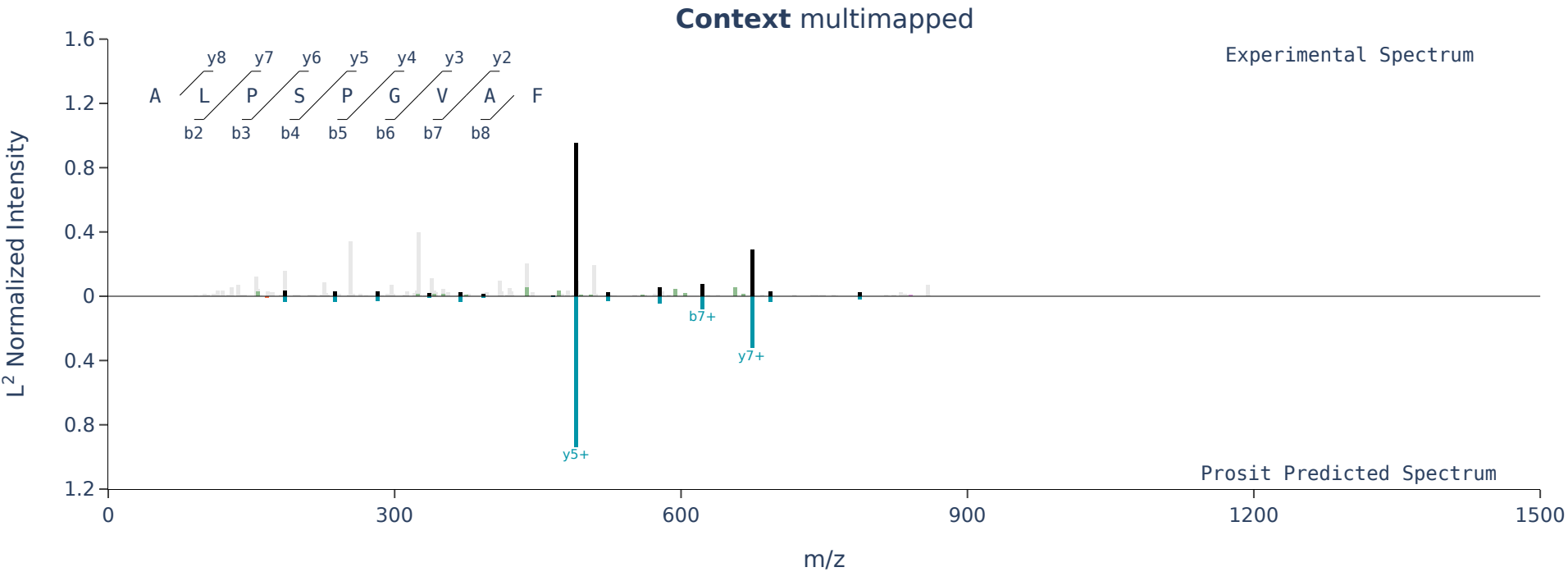
Source WSoh\_Meghna\_100424\_030524\_ExpI2\_K562\_B1501\_JC1\_R1 Scan 10534  
Peptide RLYQLKKVY Charge 3 Spectral Angle 0.81



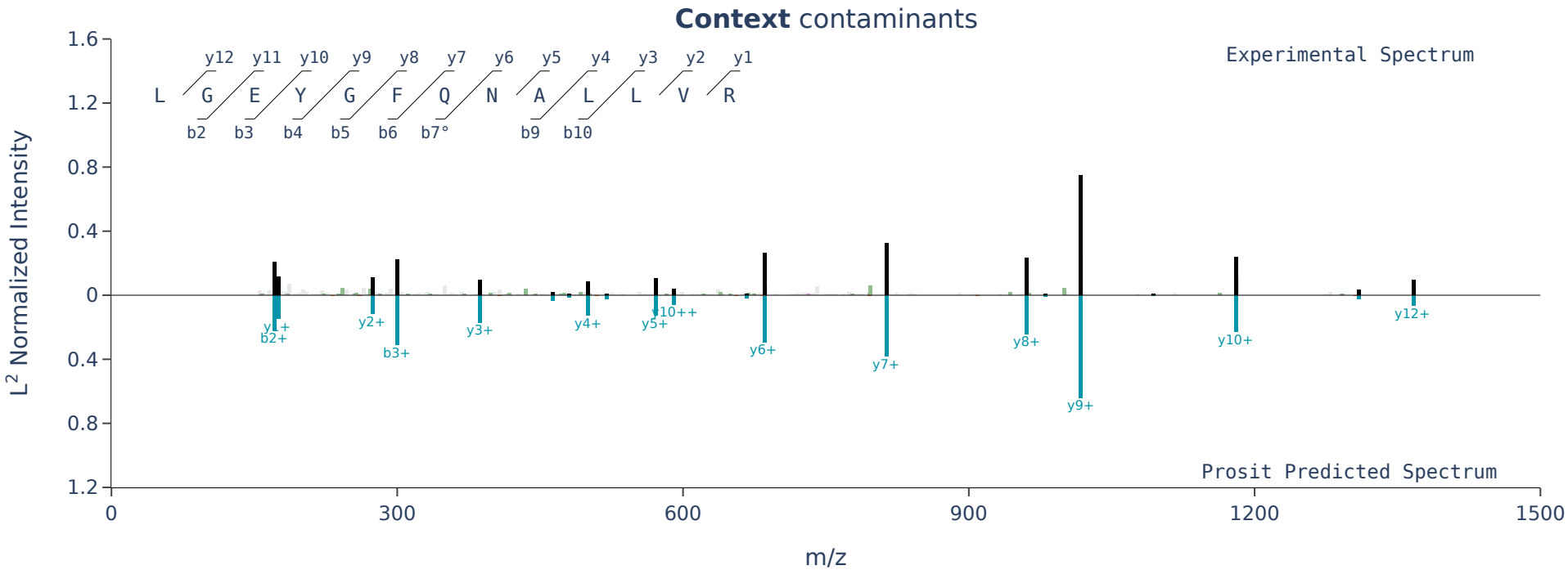
Source WSoh\_Meghna\_100424\_030524\_ExpI2\_K562\_B1501\_JC1\_R2 Scan 10575  
Peptide SSGGPHLSY Charge 2 Spectral Angle 0.82



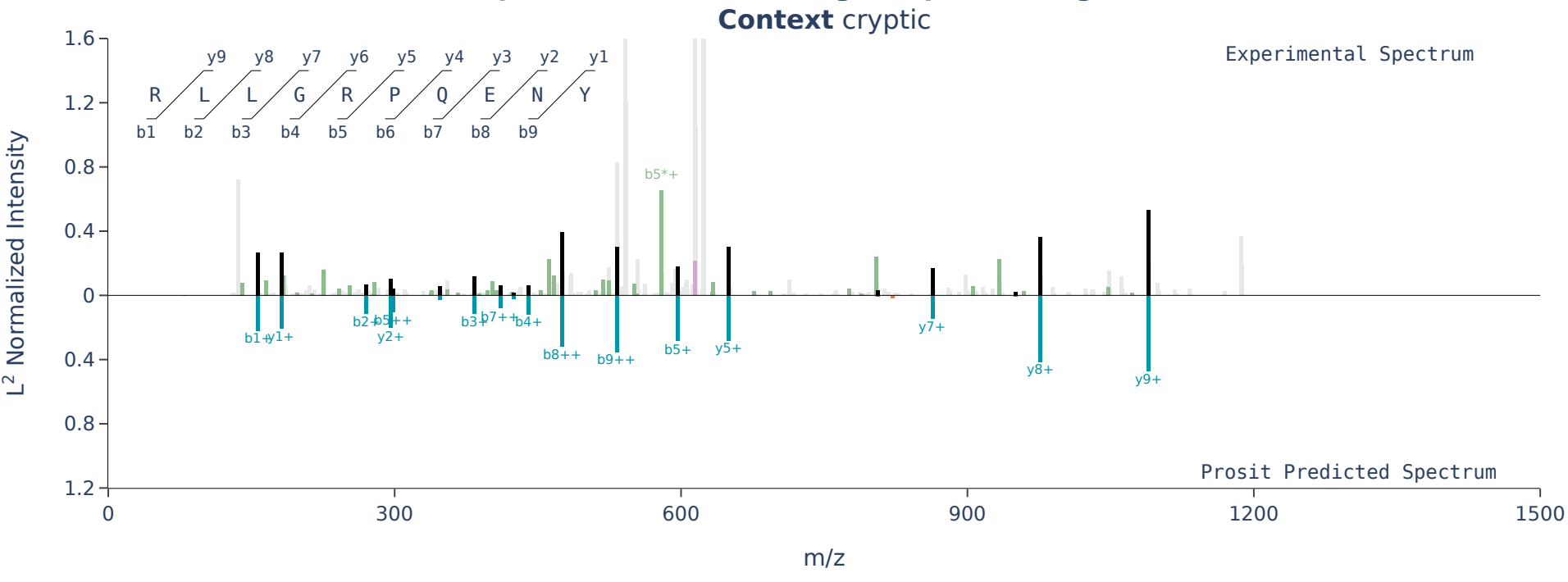
Source WSoh\_Meghna\_100424\_030524\_ExpI2\_K562\_B1501\_JC1\_R1 Scan 24961  
Peptide ALPSGVAF Charge 1 Spectral Angle 0.97



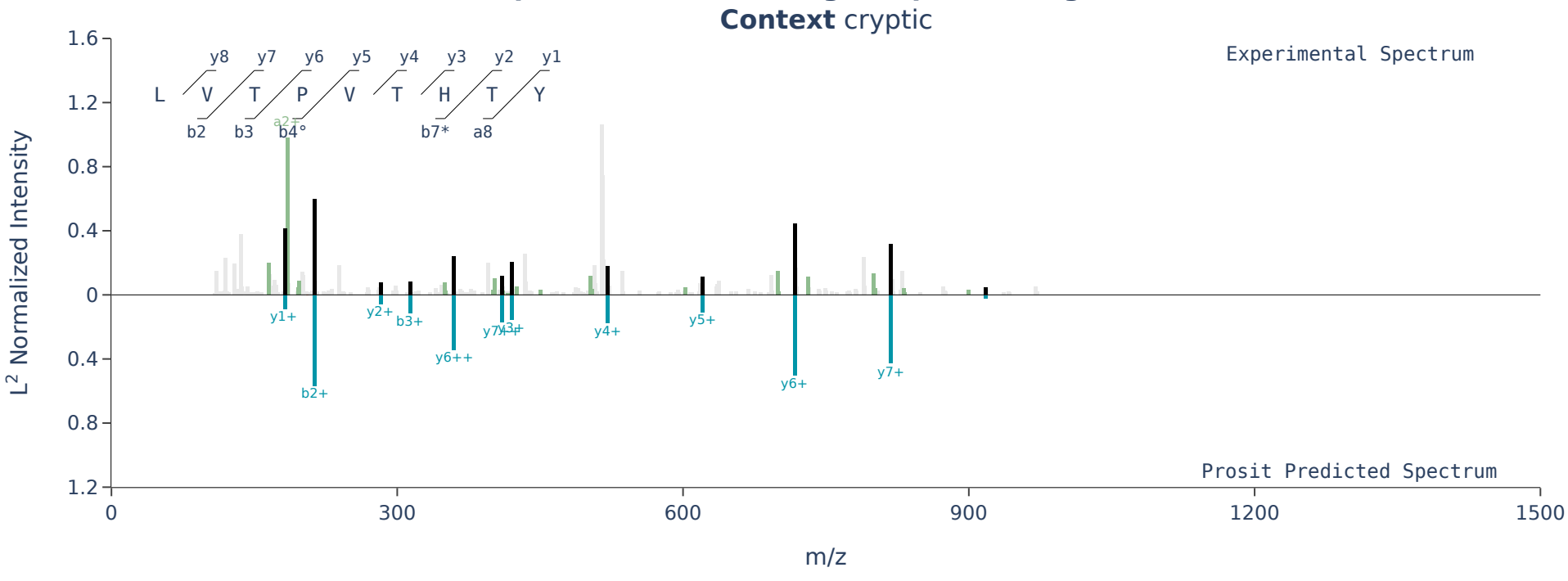
Source WSoh\_Meghna\_100424\_030524\_ExpI2\_K562\_B1501\_JC1\_R1 Scan 25940  
Peptide LGEYGFQNALVR Charge 2 Spectral Angle 0.88



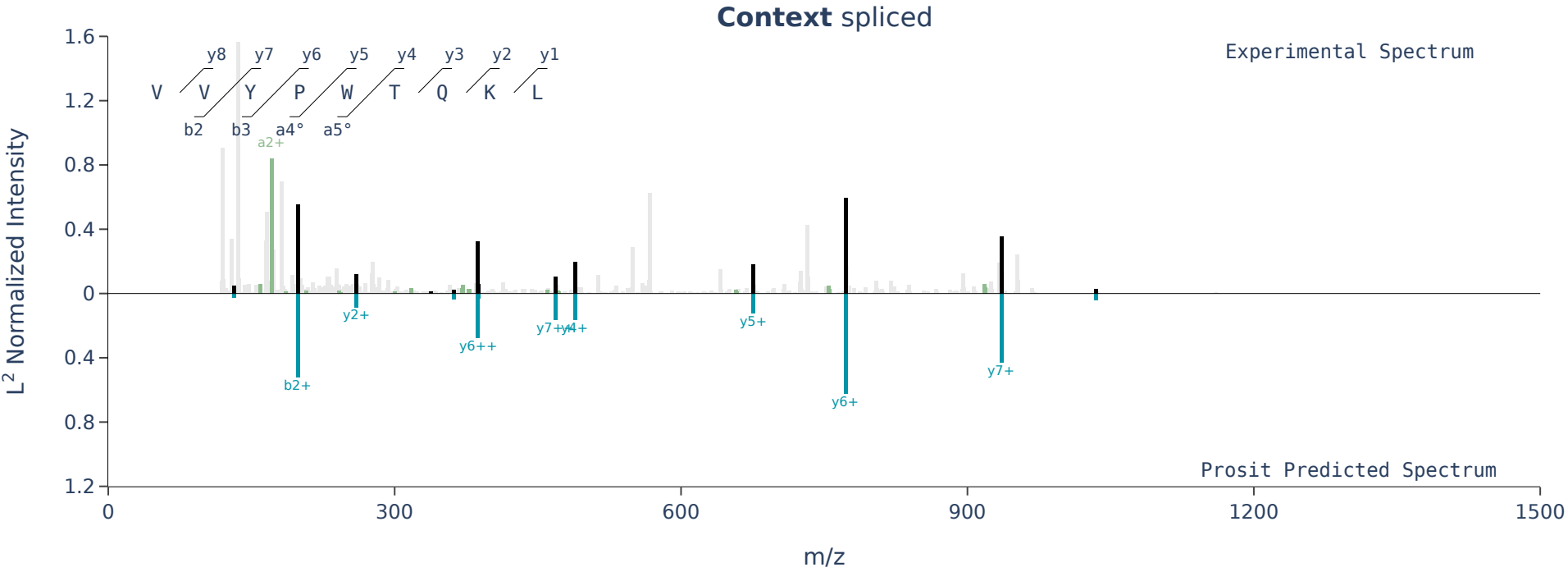
Source WSoh\_Meghna\_100424\_030524\_ExpI2\_K562\_B1501\_JC1\_R1 Scan 8964  
Peptide RLLGRPQENY Charge 2 Spectral Angle 0.85



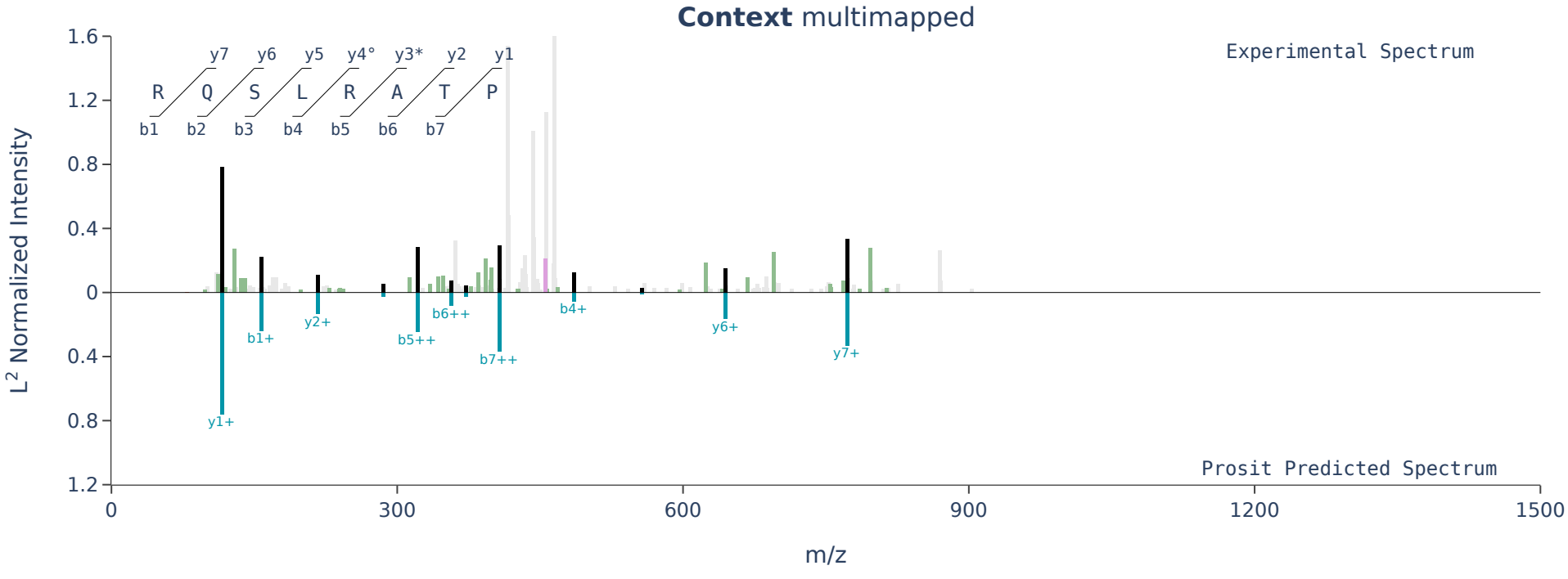
Source WSoh\_Meghna\_100424\_030524\_ExpI2\_K562\_B1501\_JC1\_R2 Scan 13164  
Peptide LVTPVTHTY Charge 2 Spectral Angle 0.76

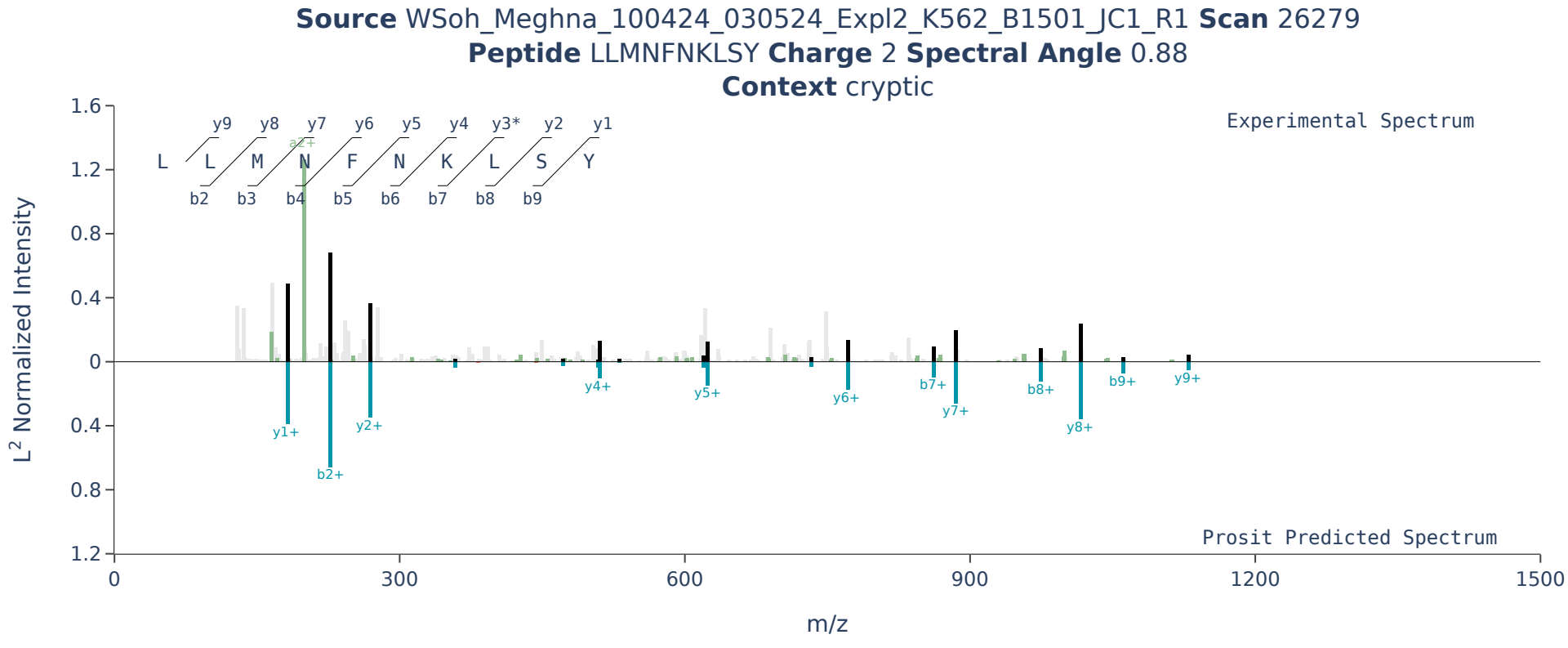
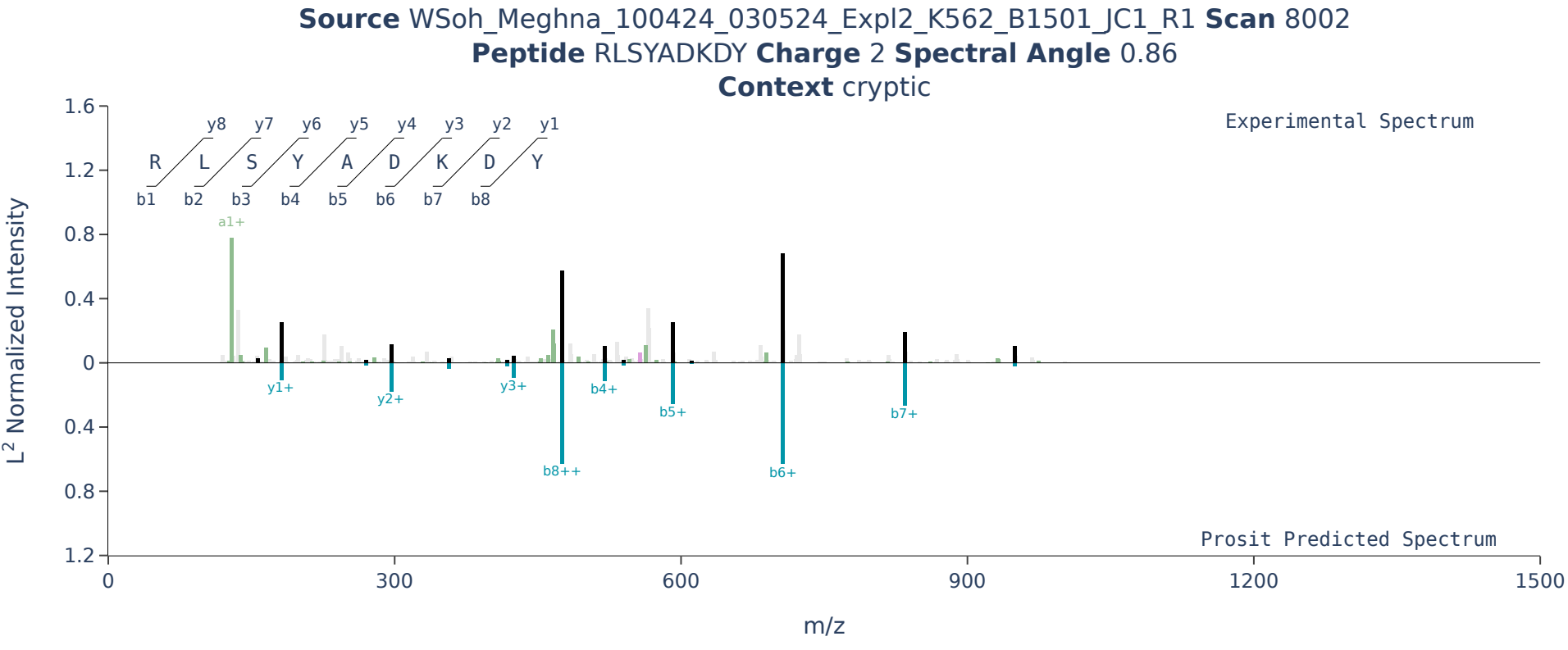
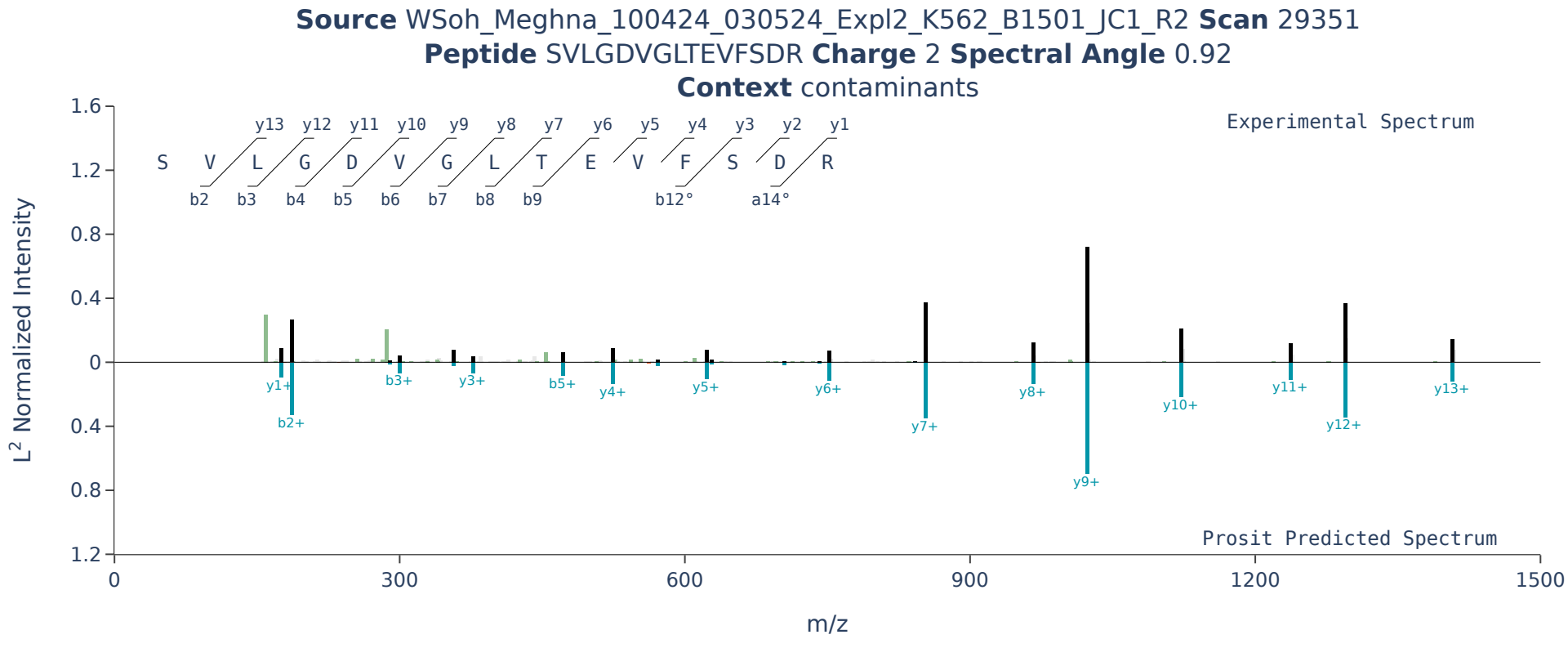
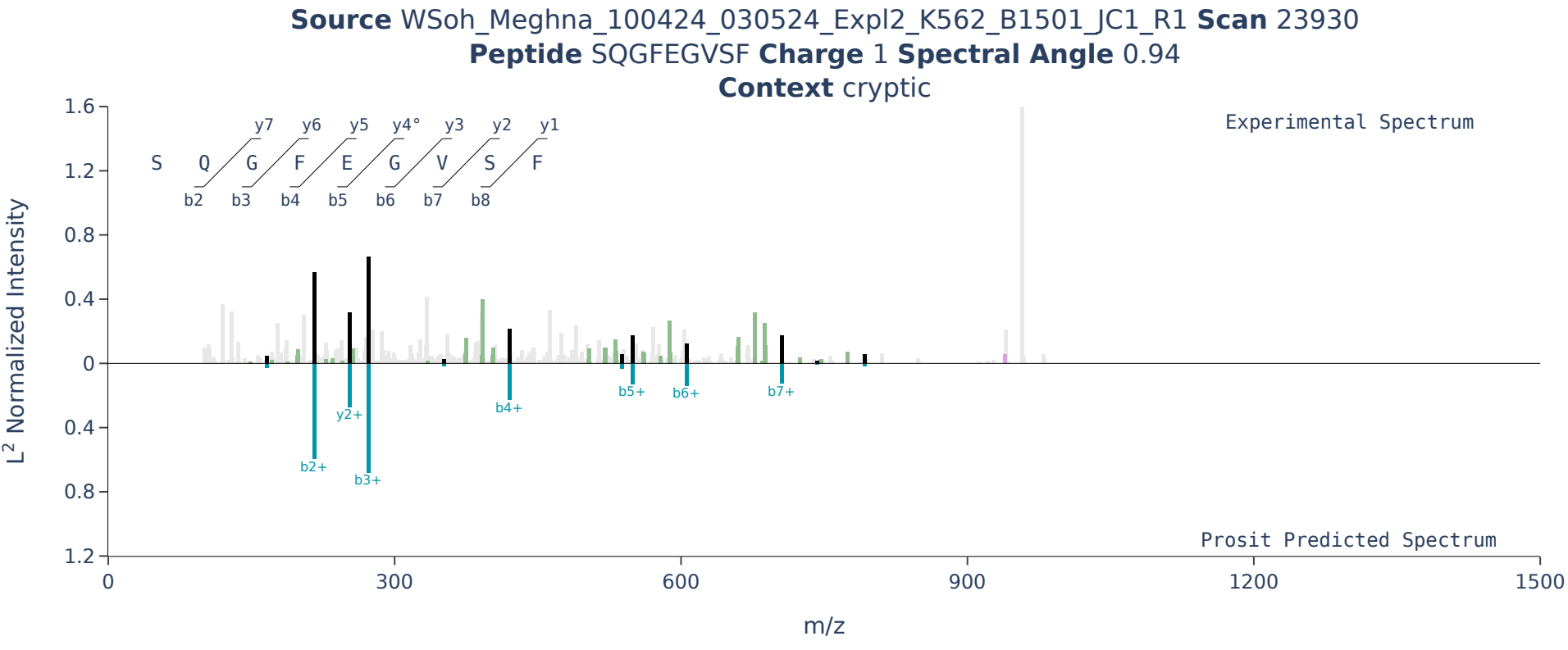
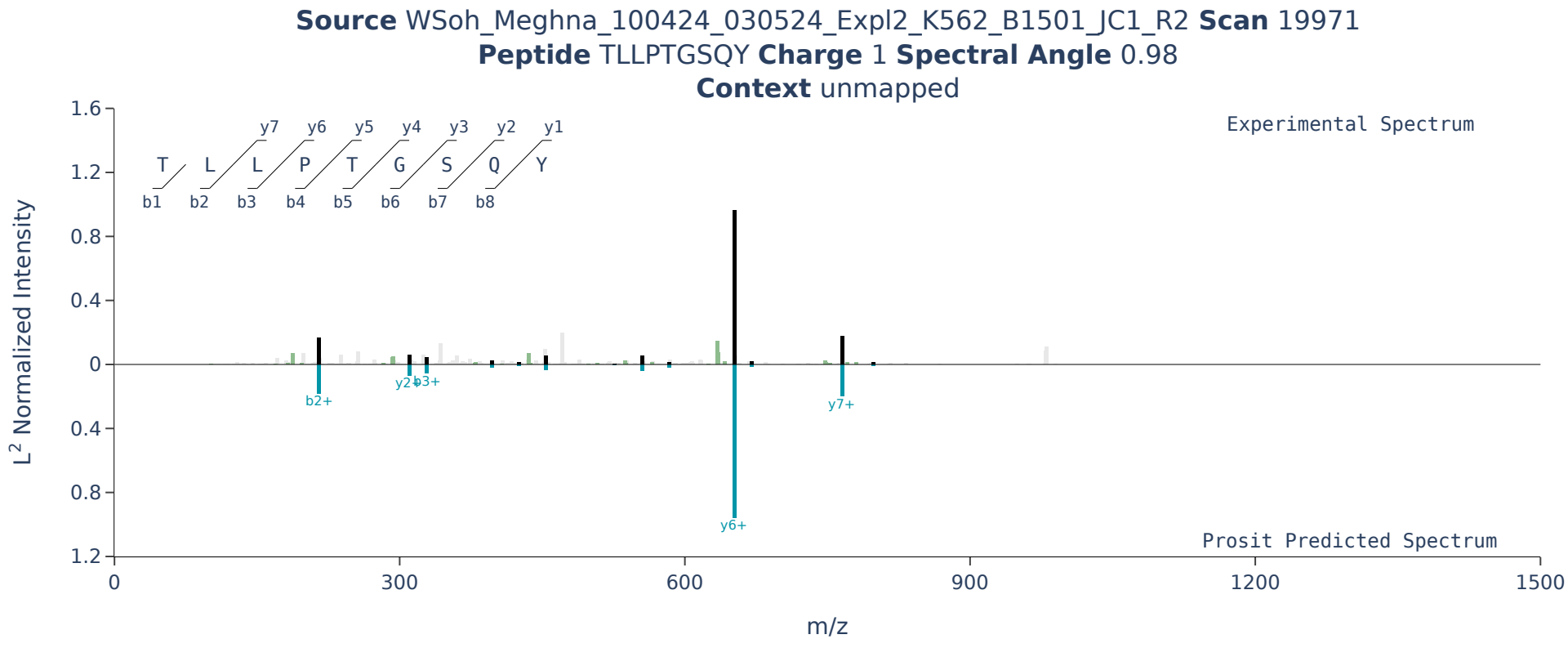
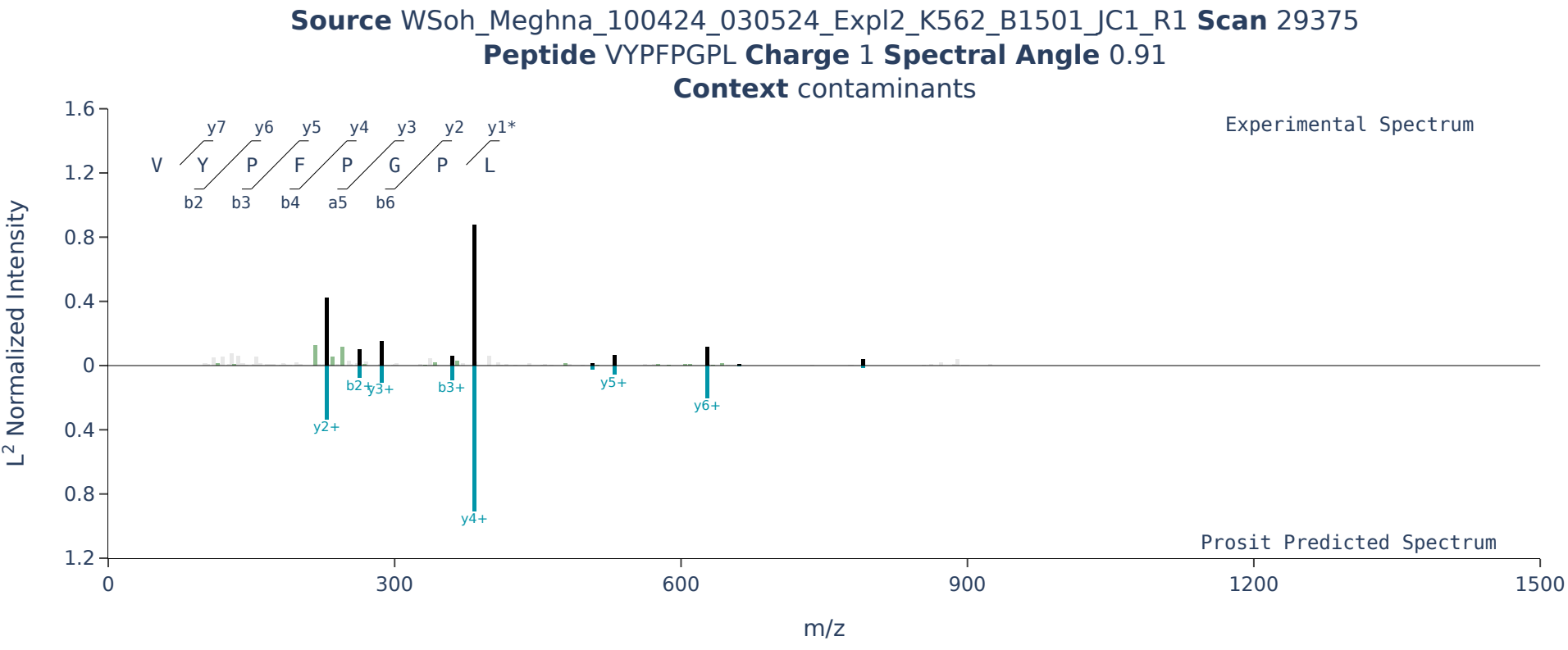
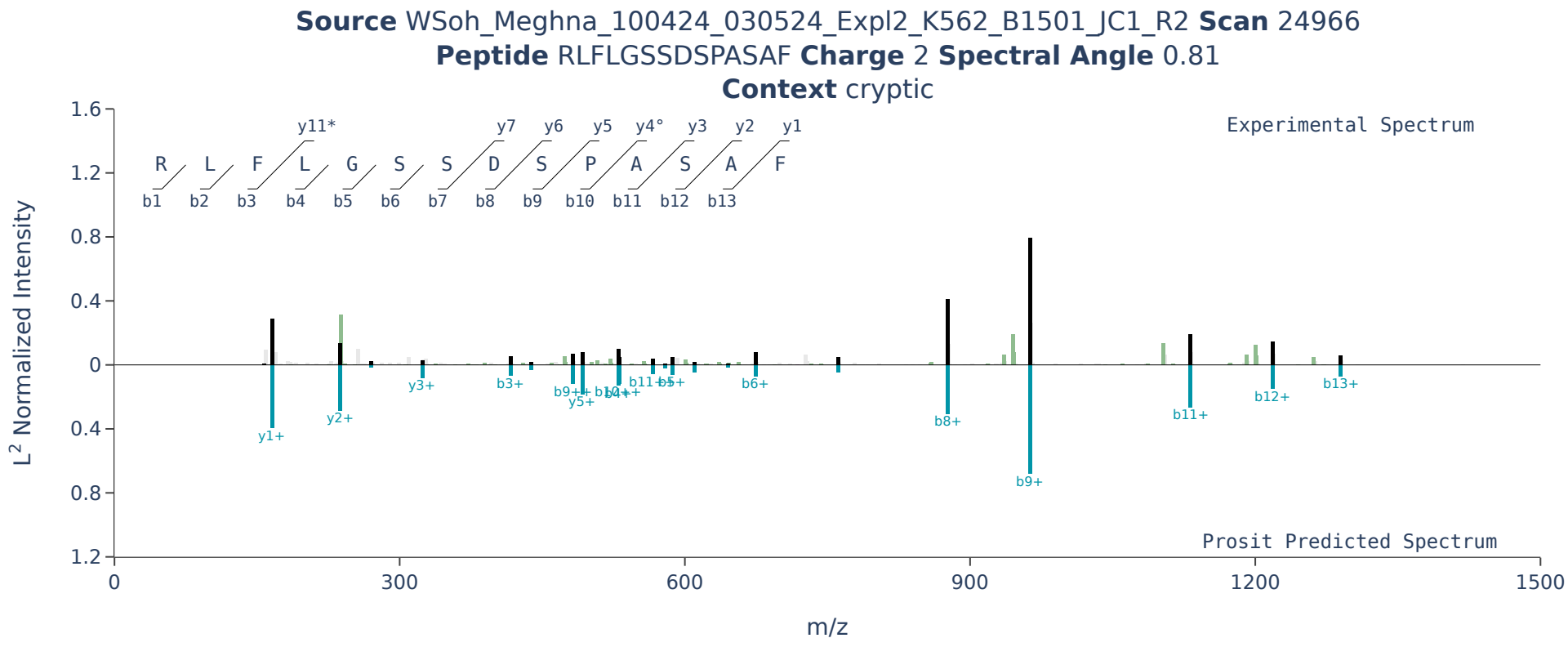
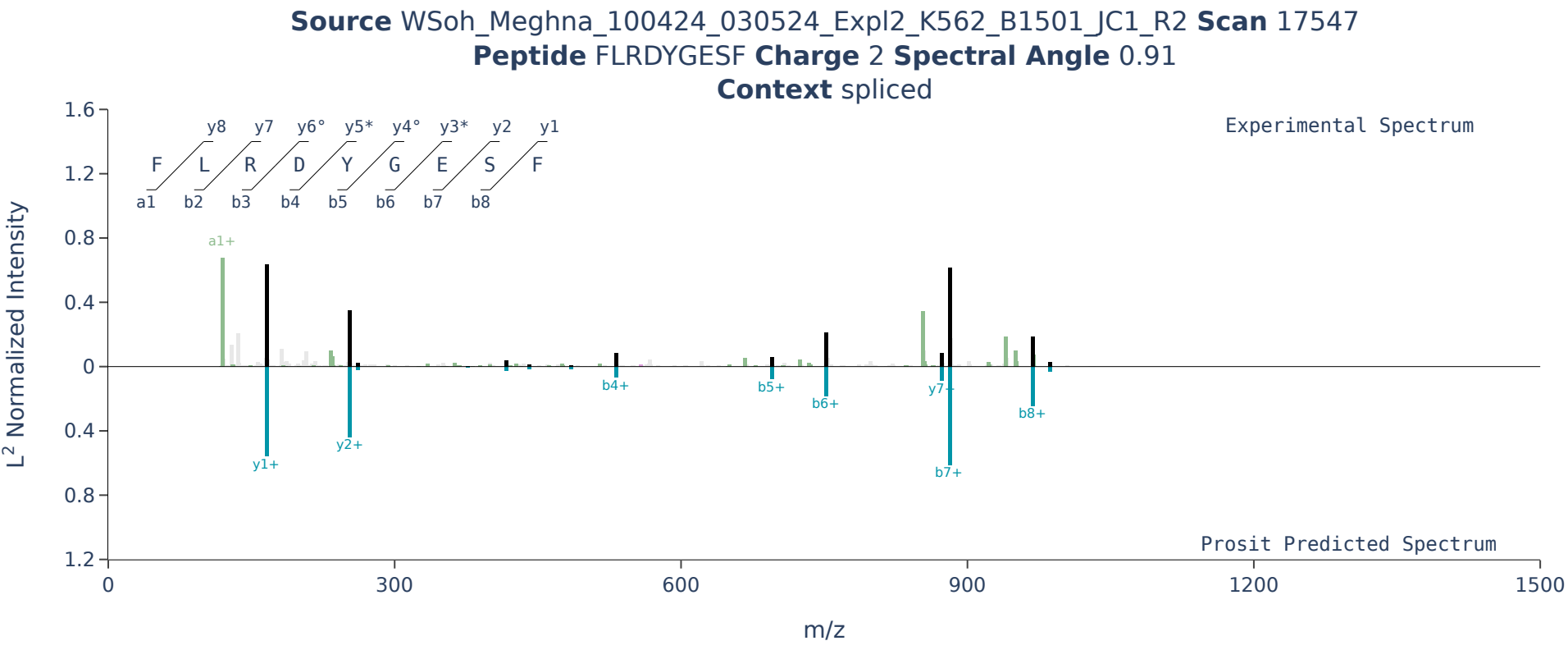
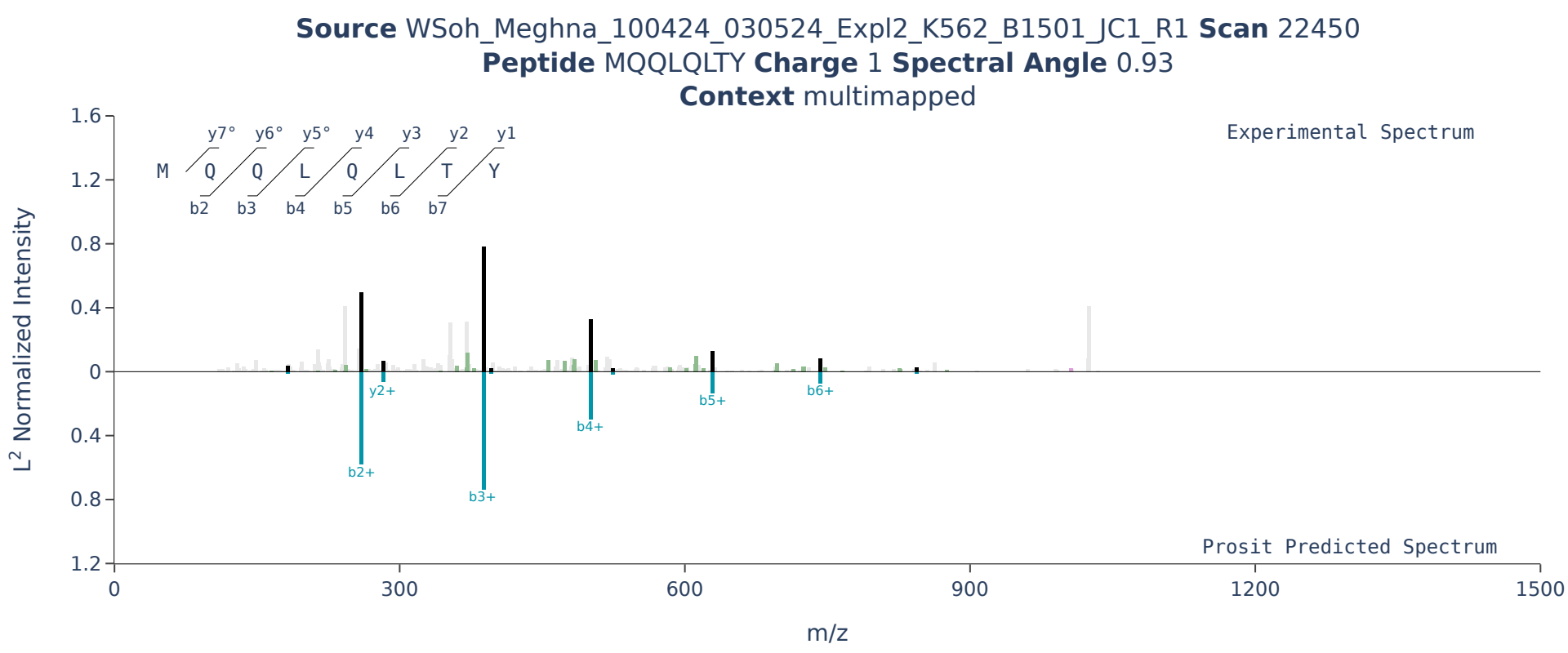
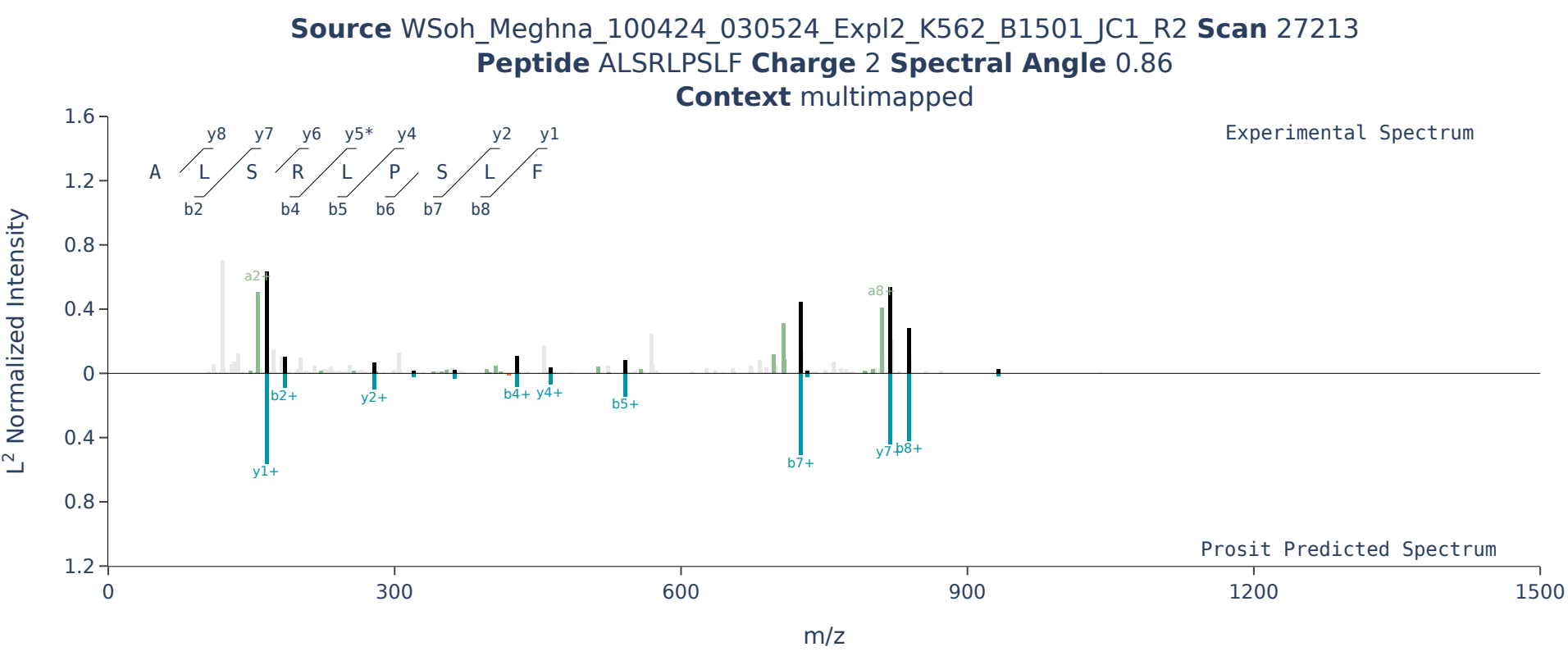


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Peptide VVYPWTQKL Charge 2 Spectral Angle 0.91

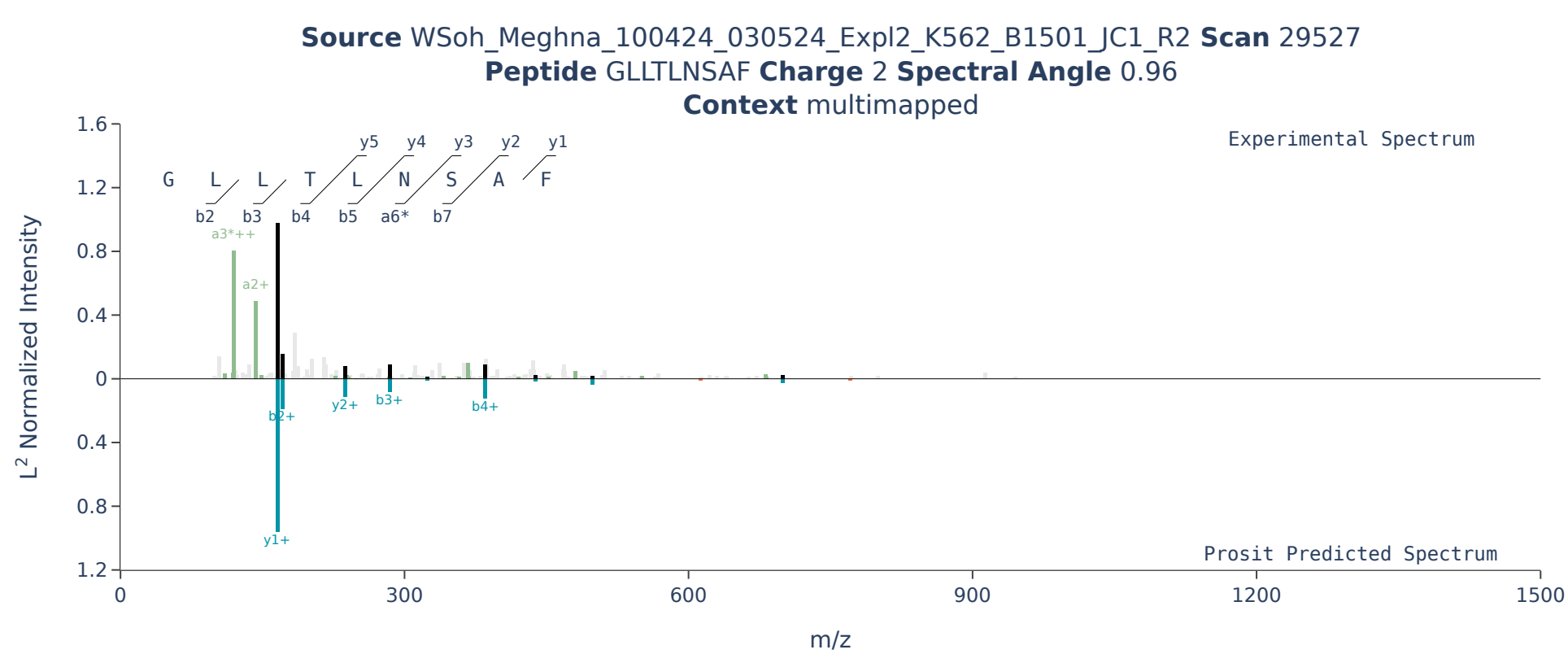
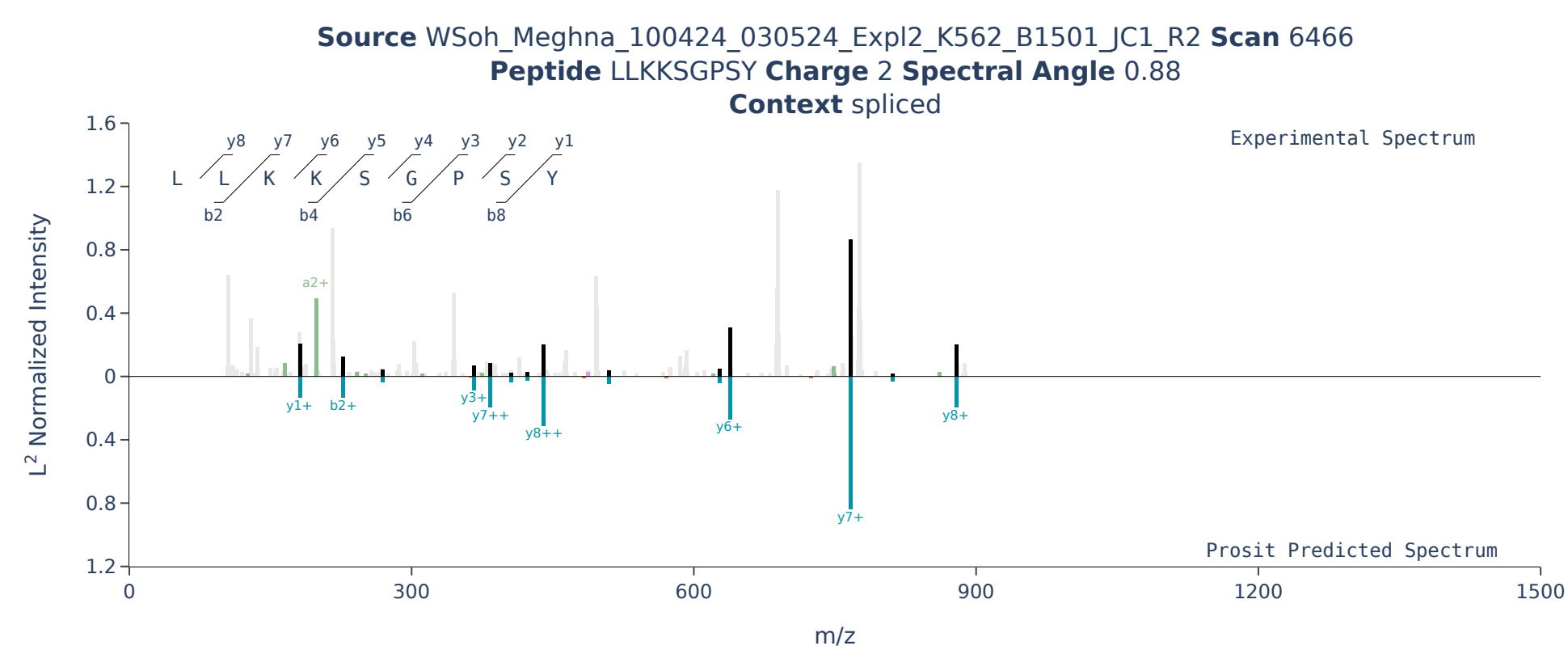
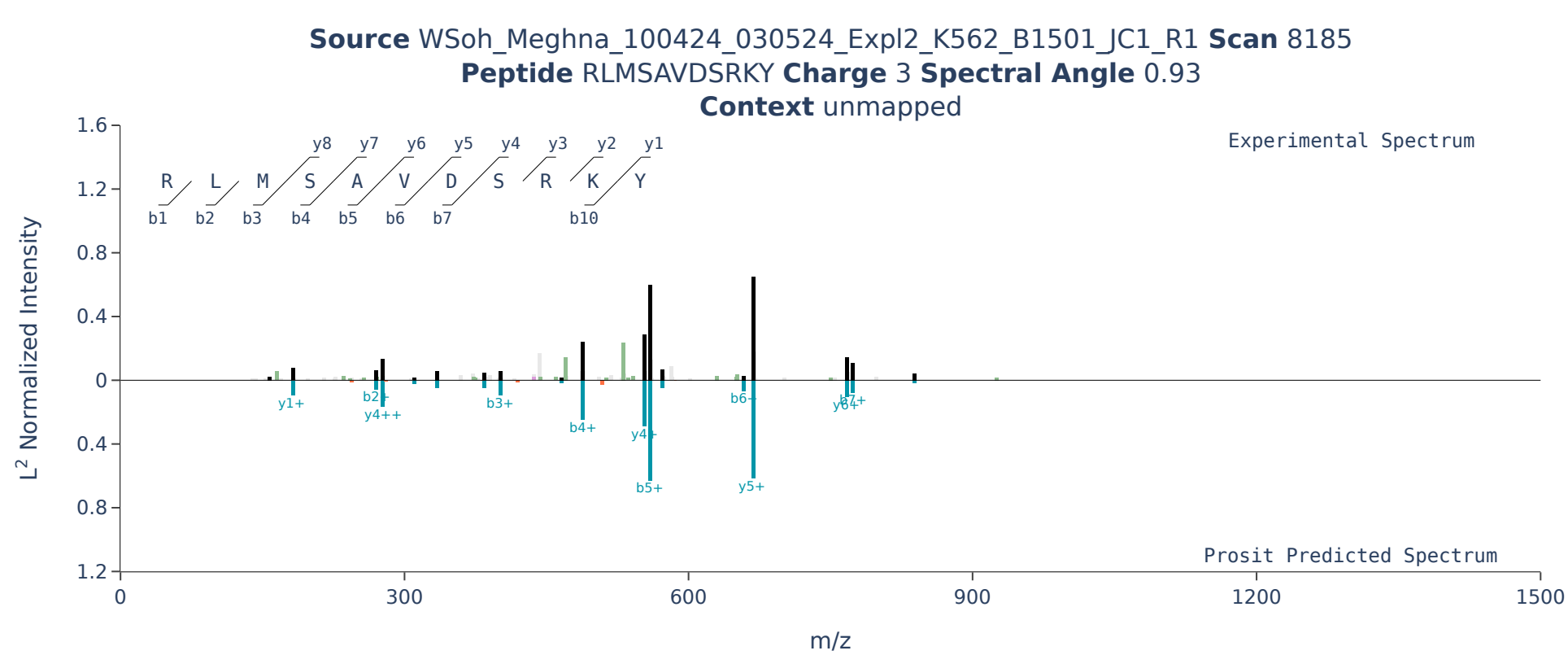
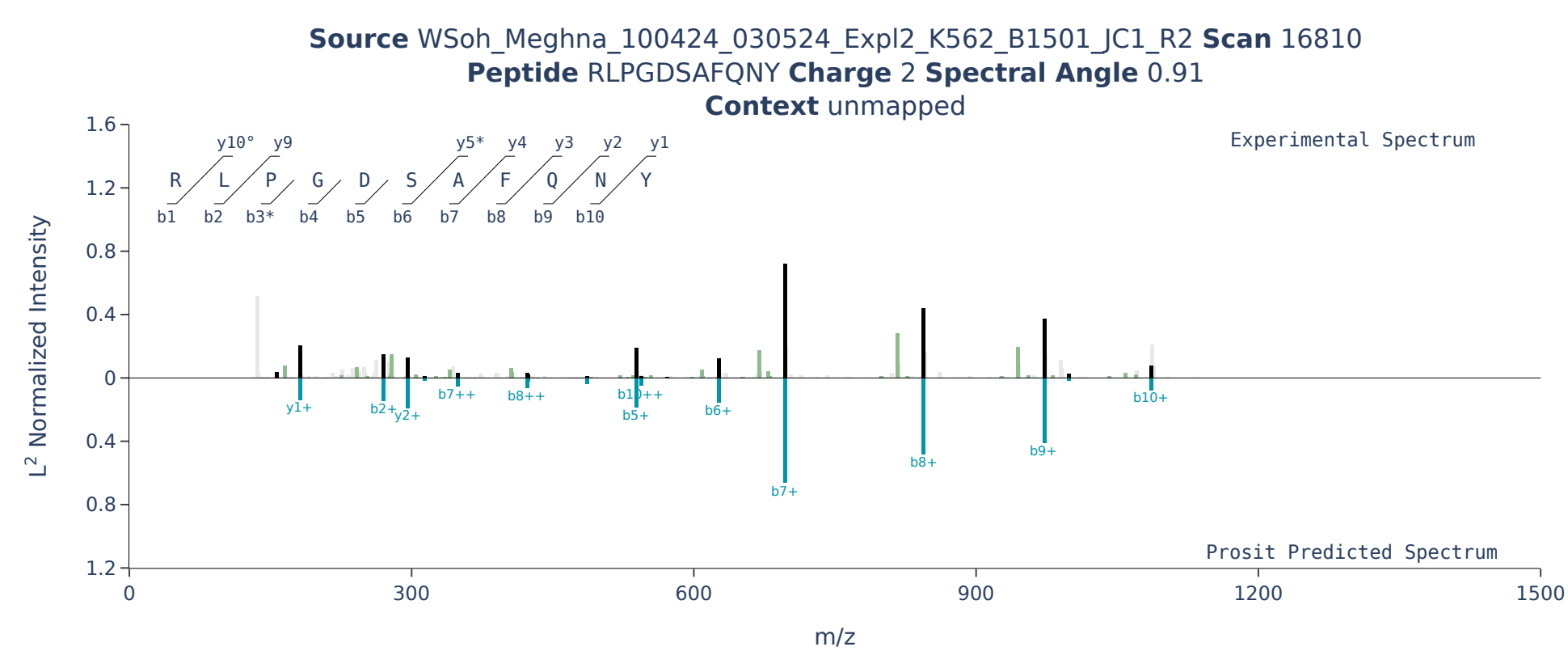
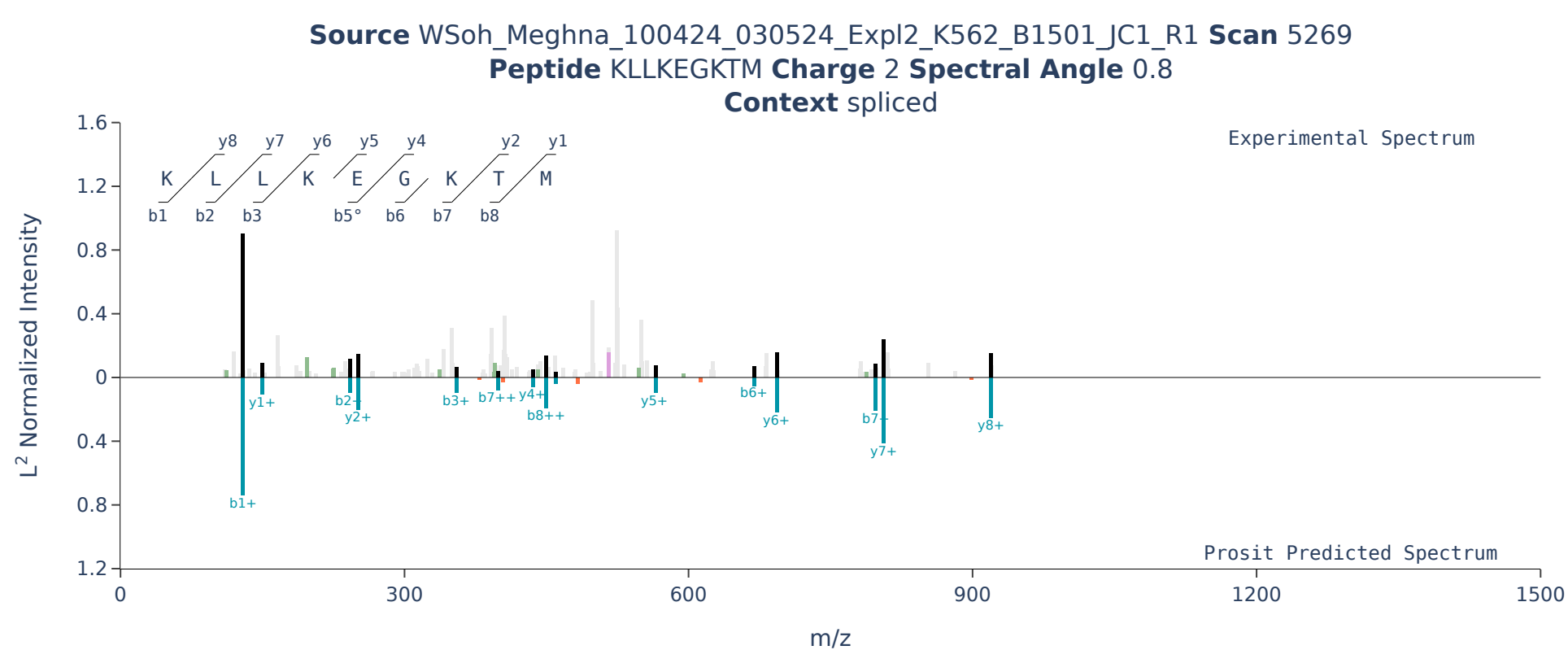
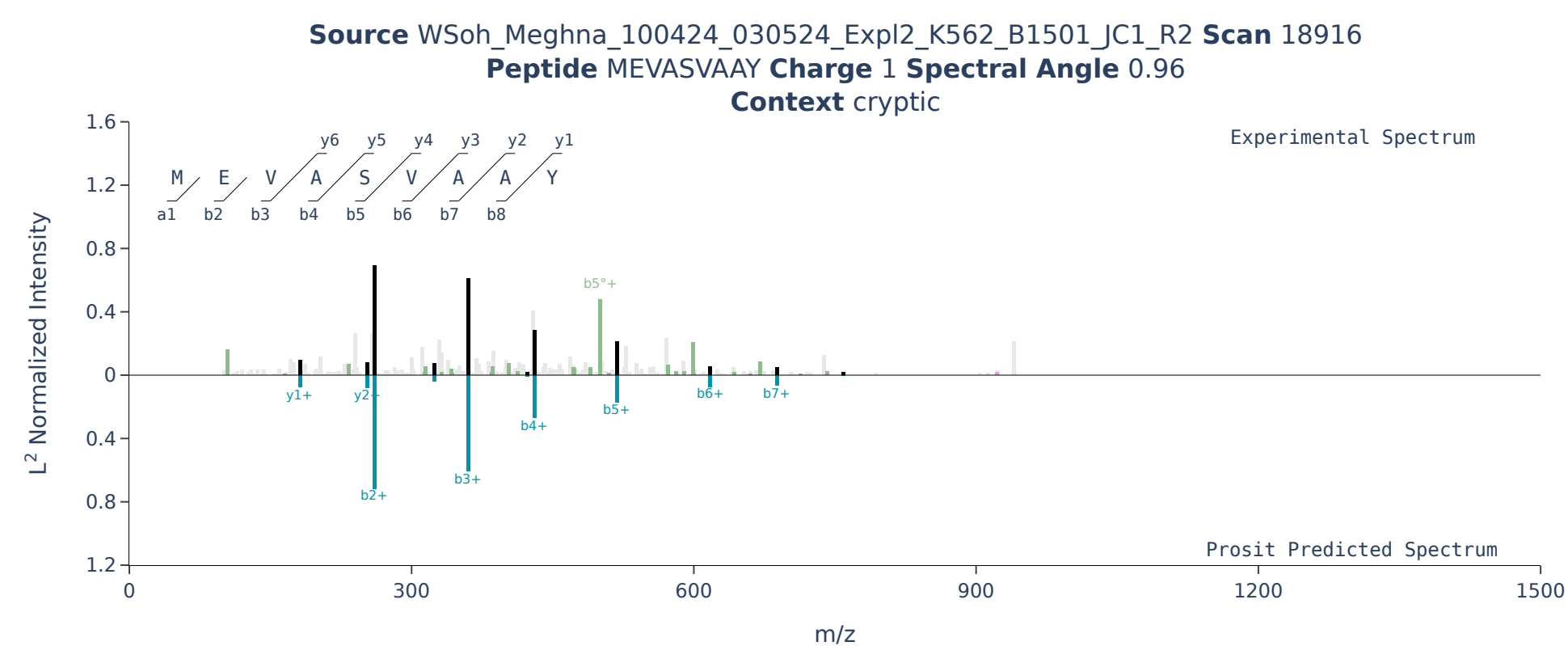
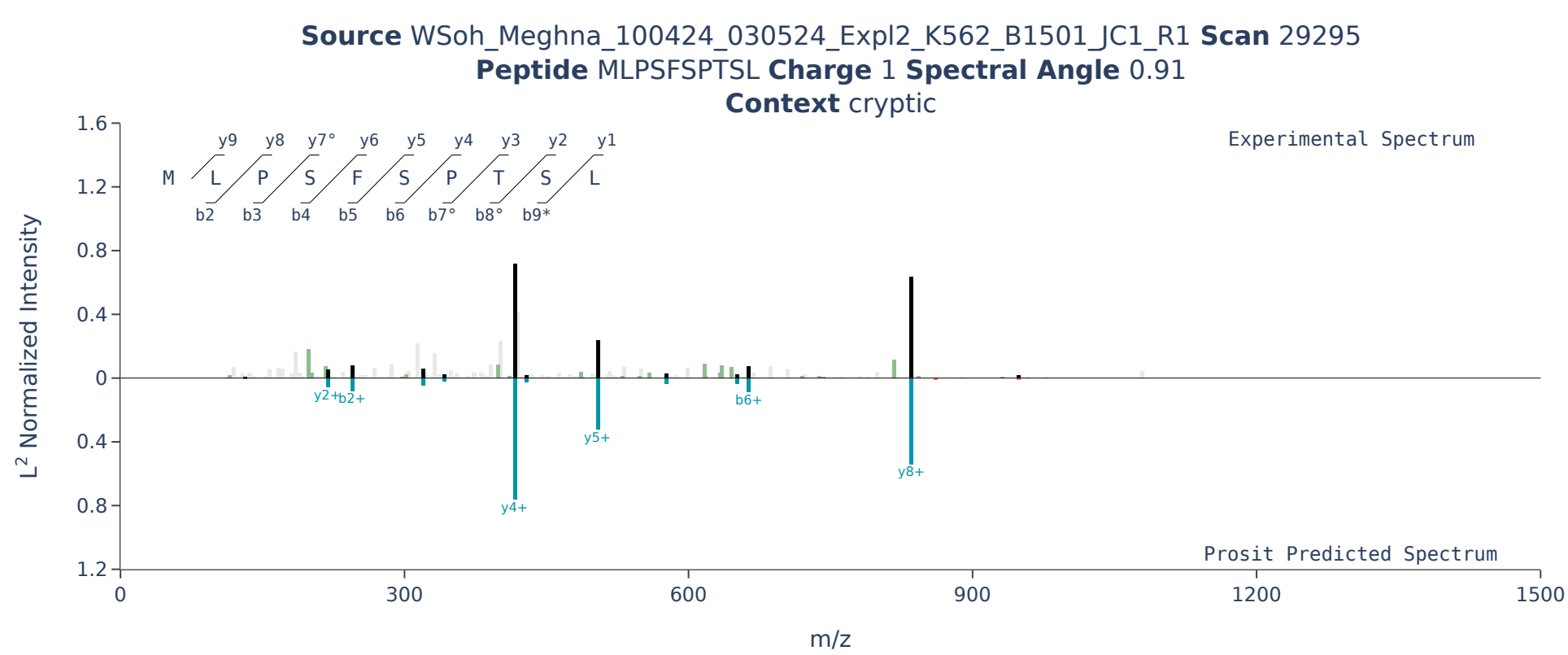
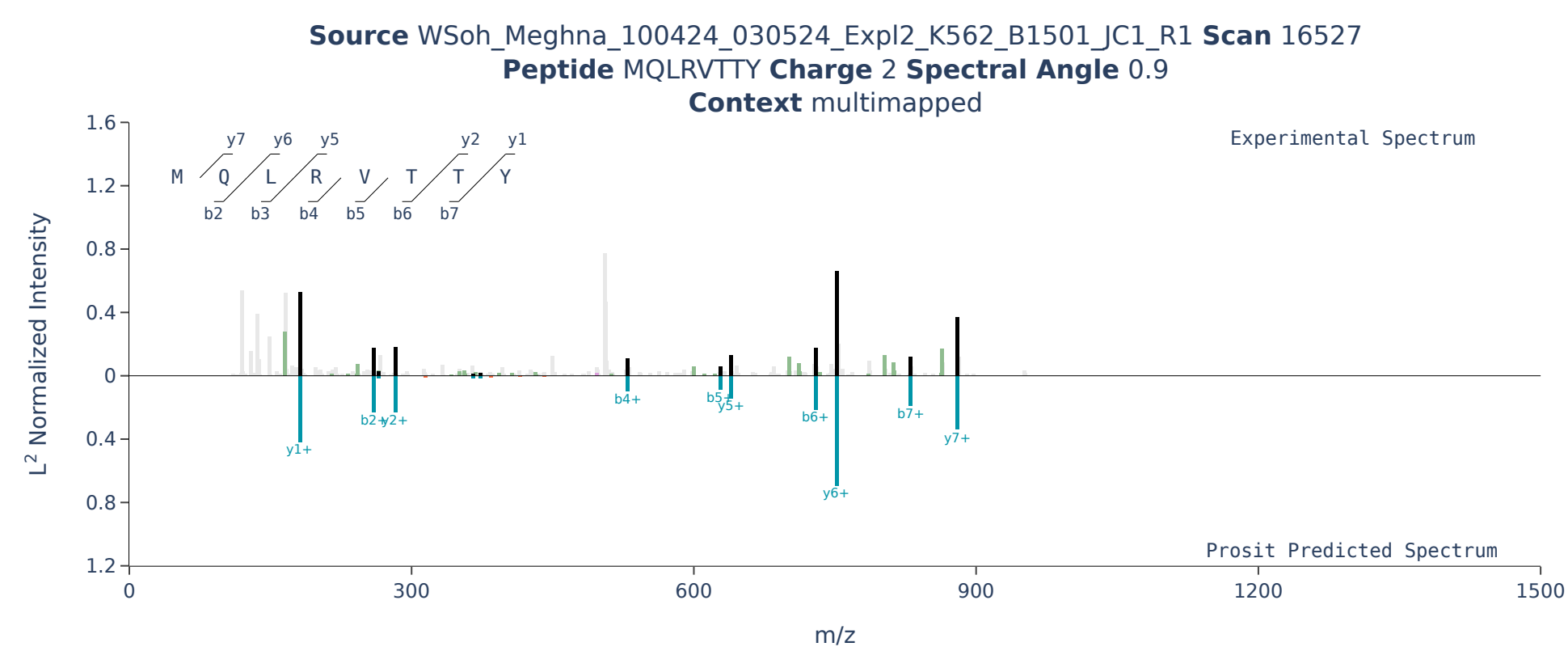
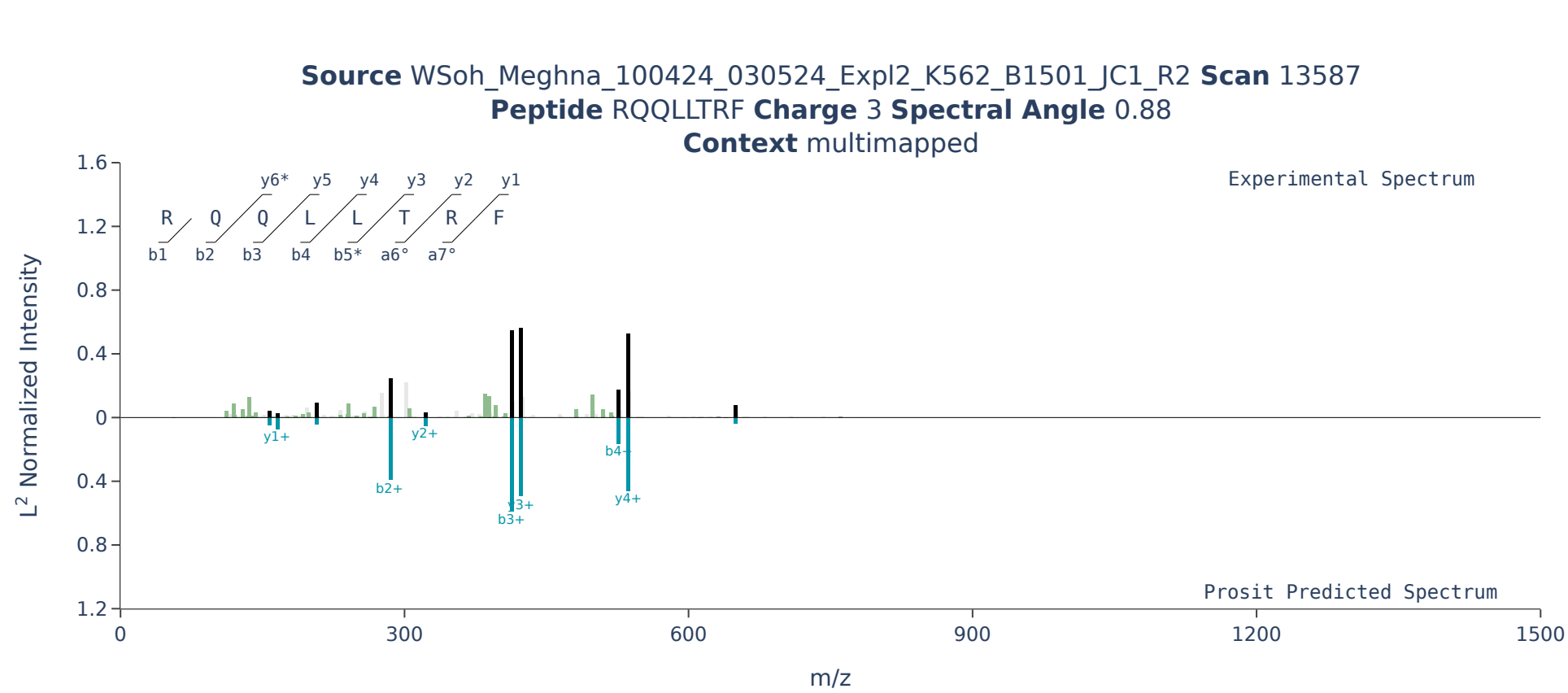
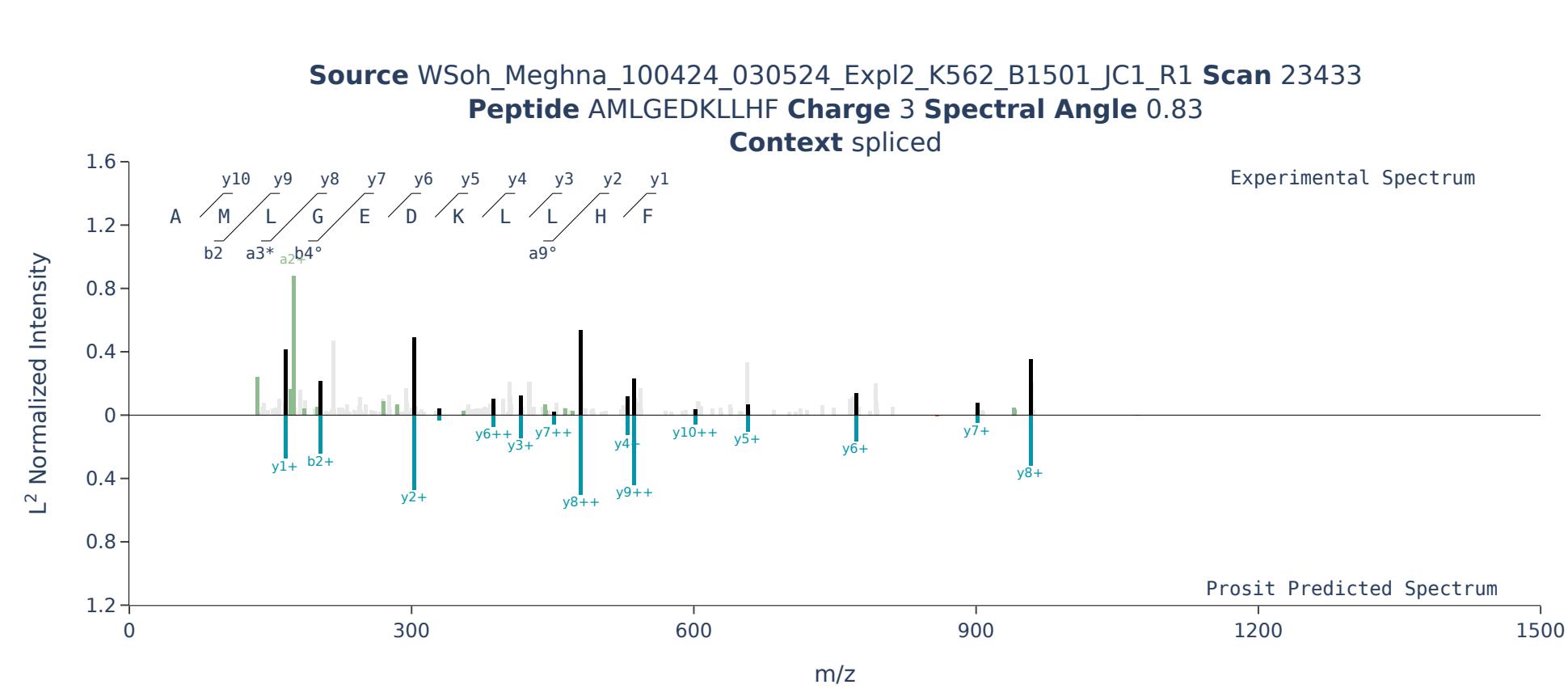


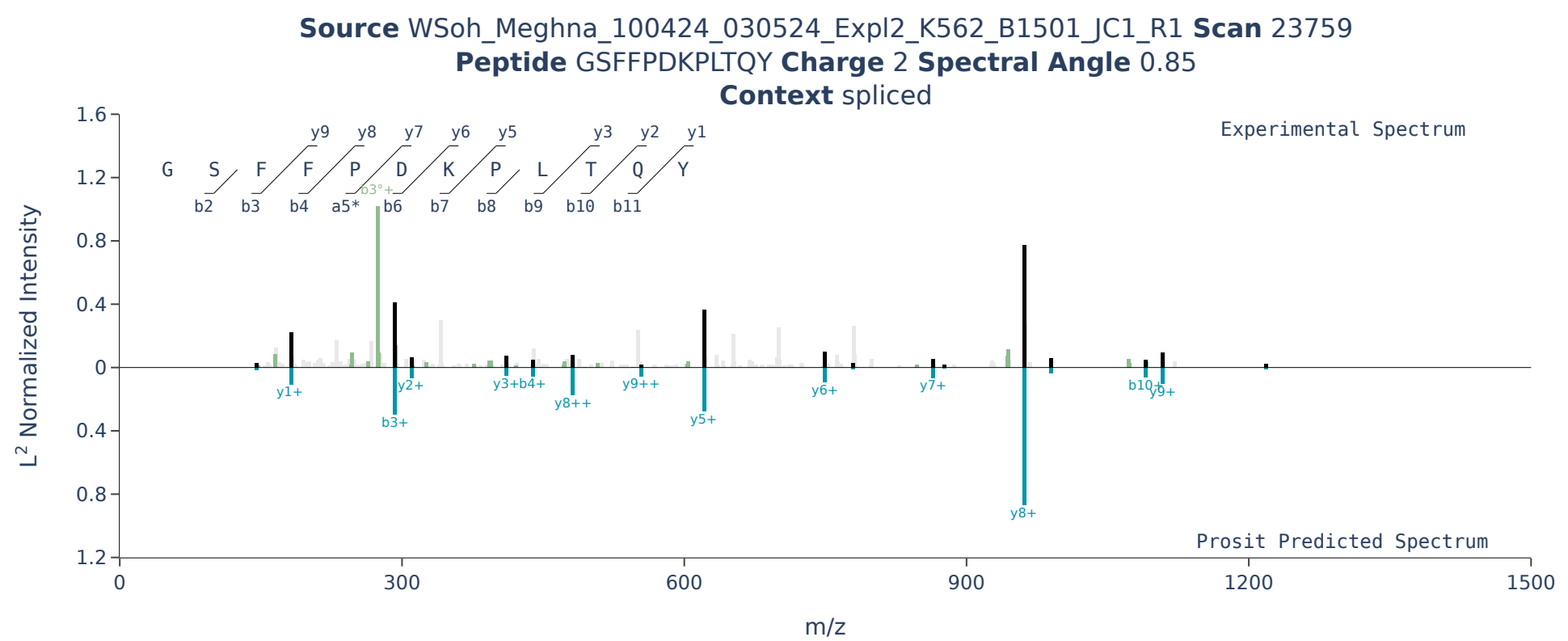
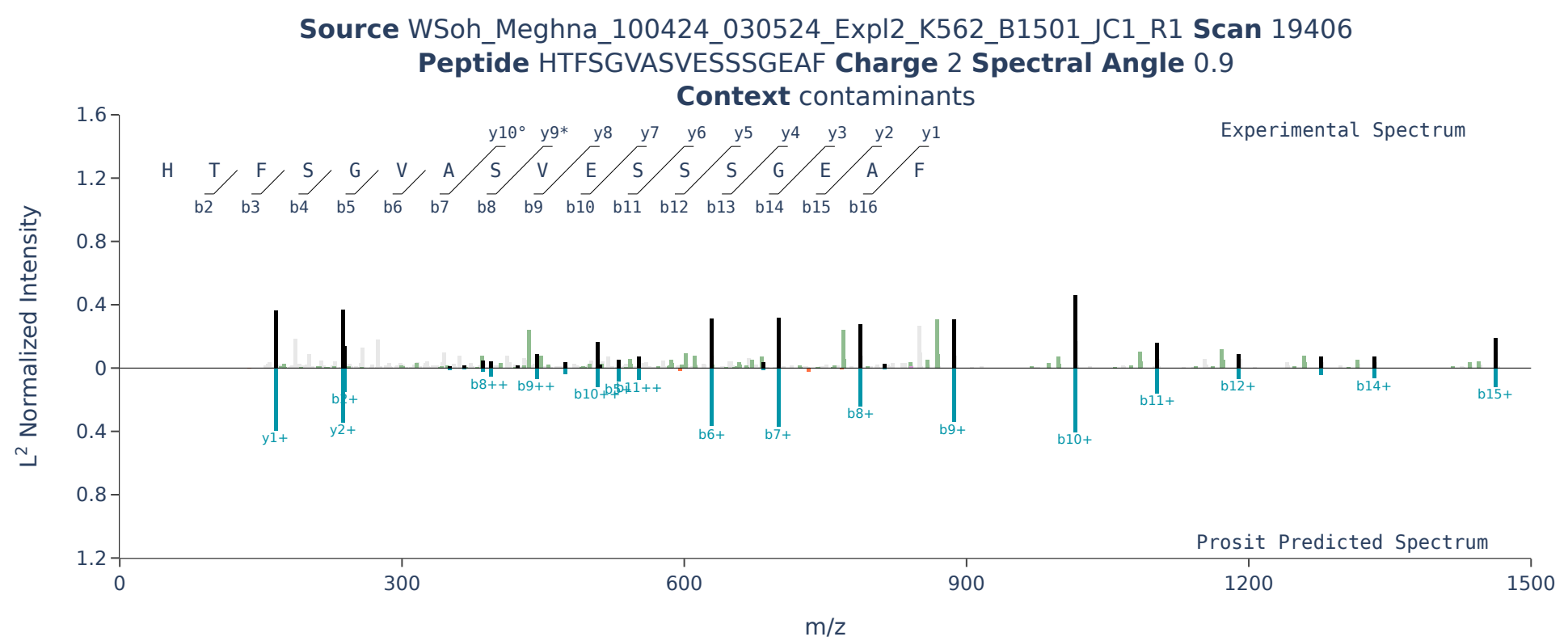
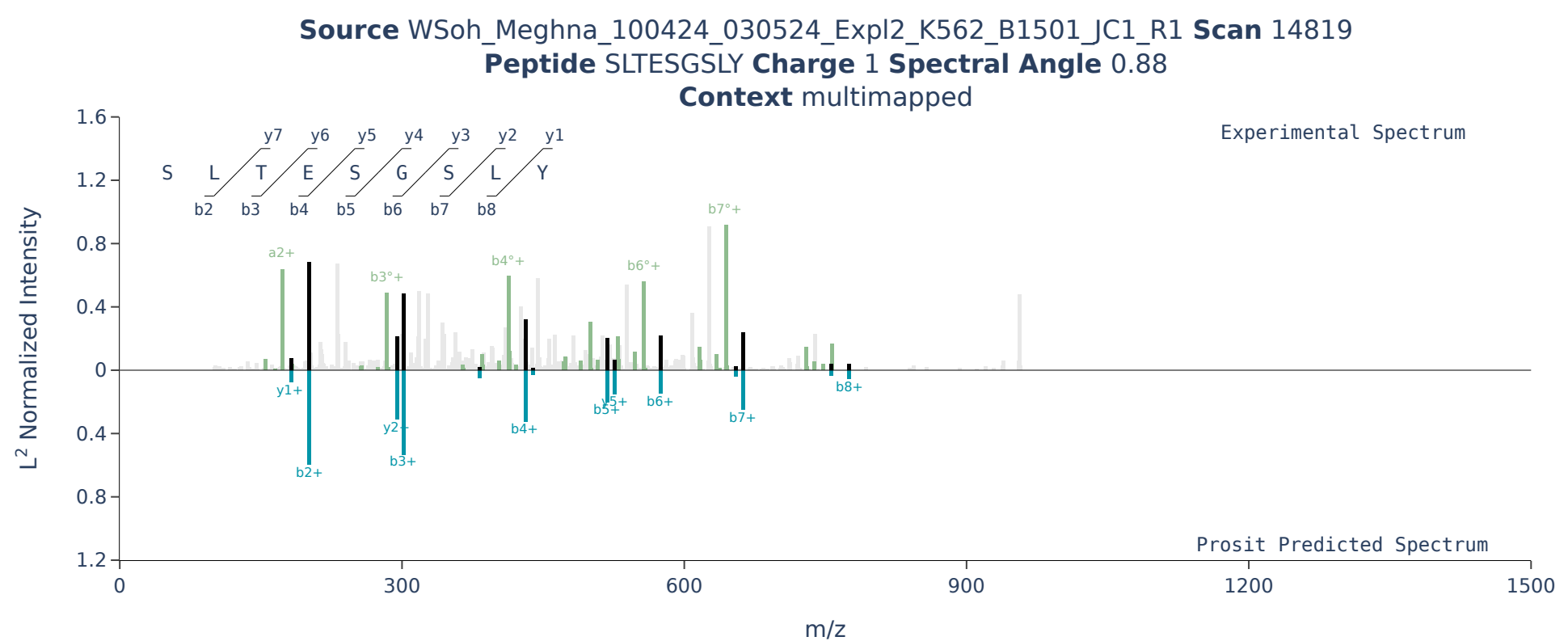
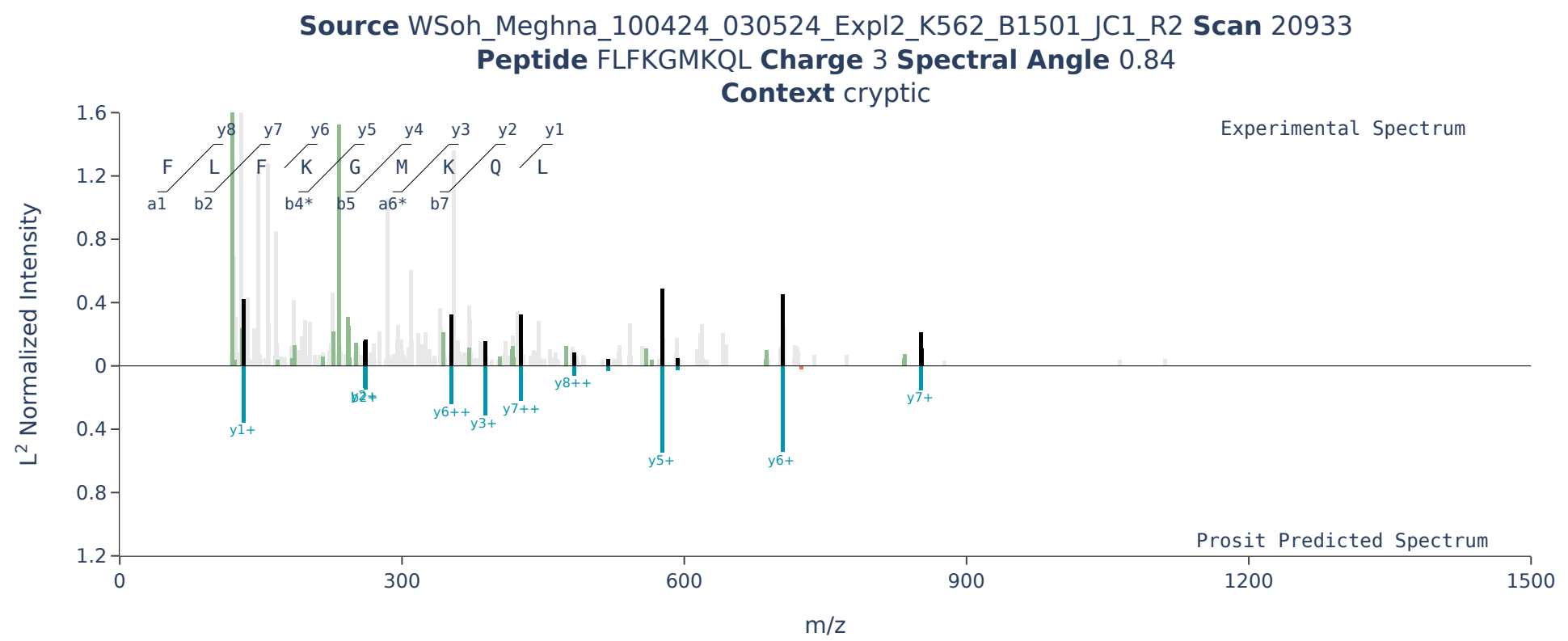
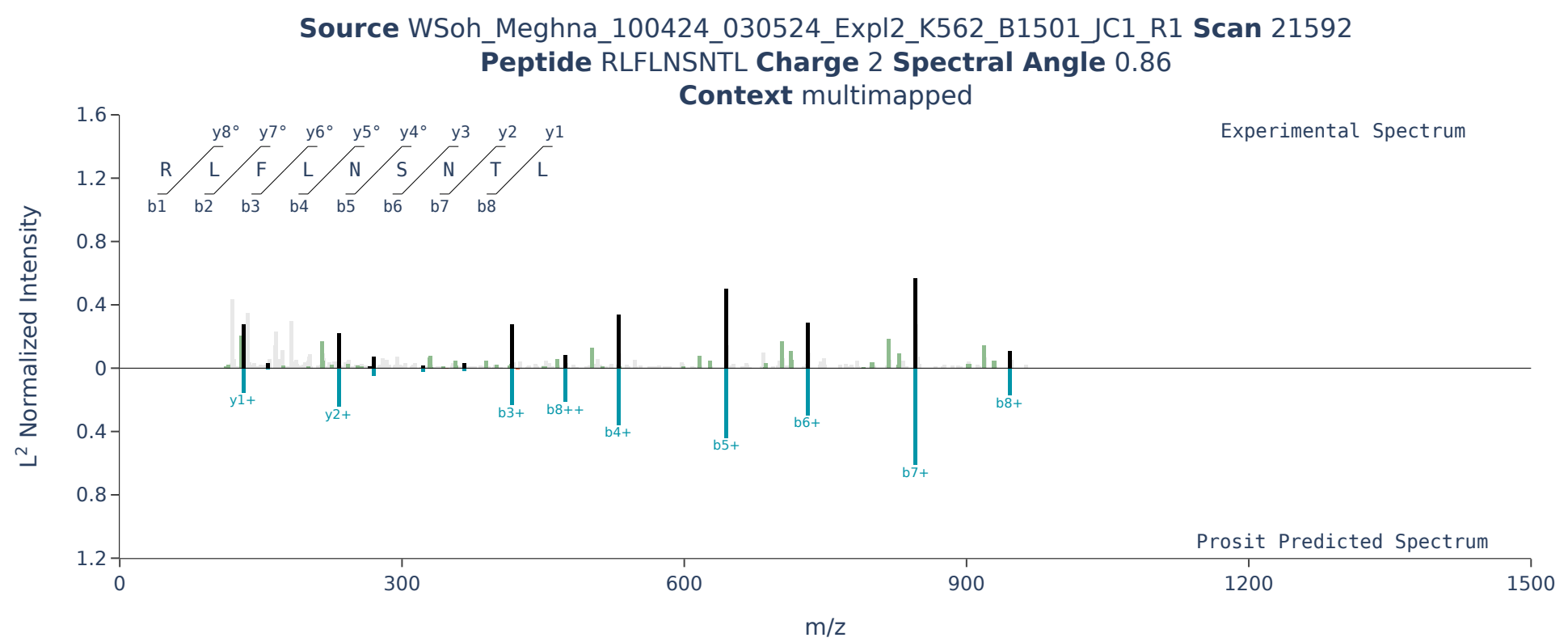
Source WSoh\_Meghna\_100424\_030524\_ExpI2\_K562\_B1501\_JC1\_R2 Scan 5526  
Peptide RQSLRATP Charge 2 Spectral Angle 0.92

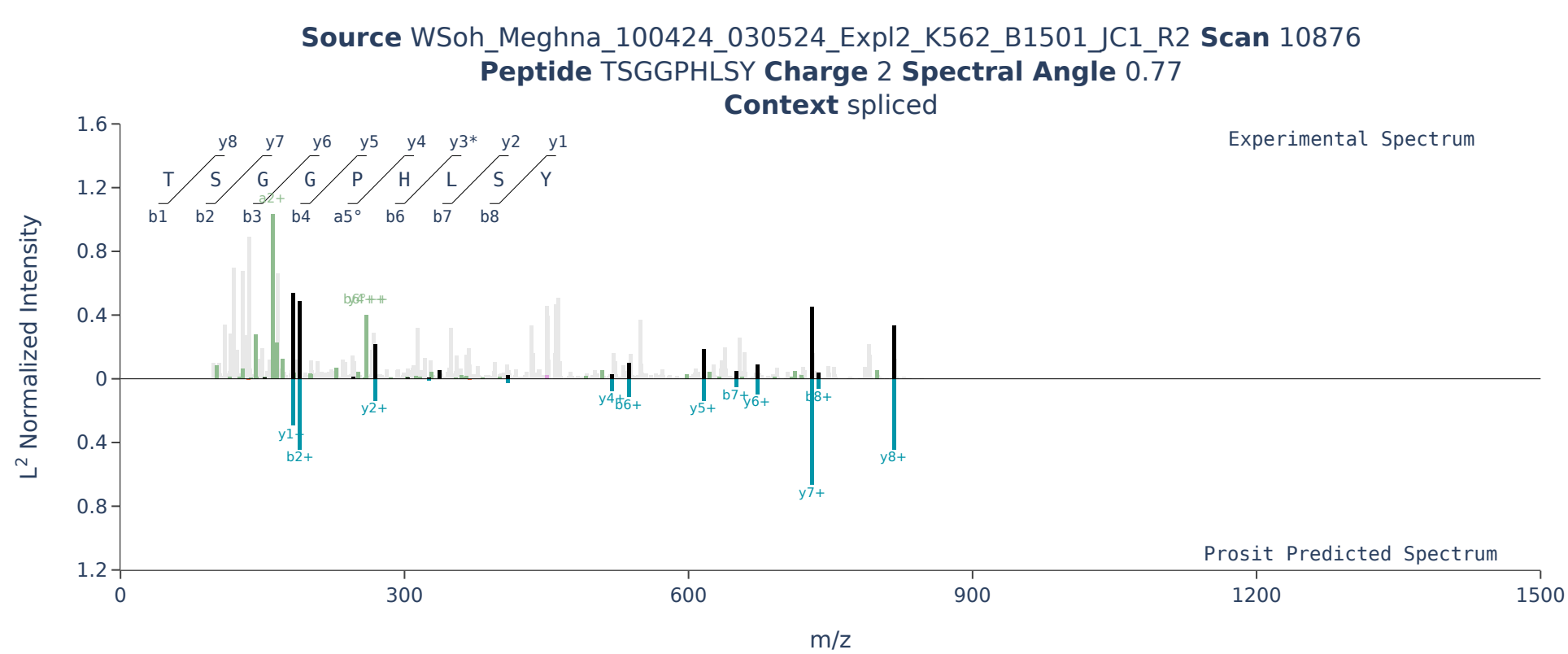
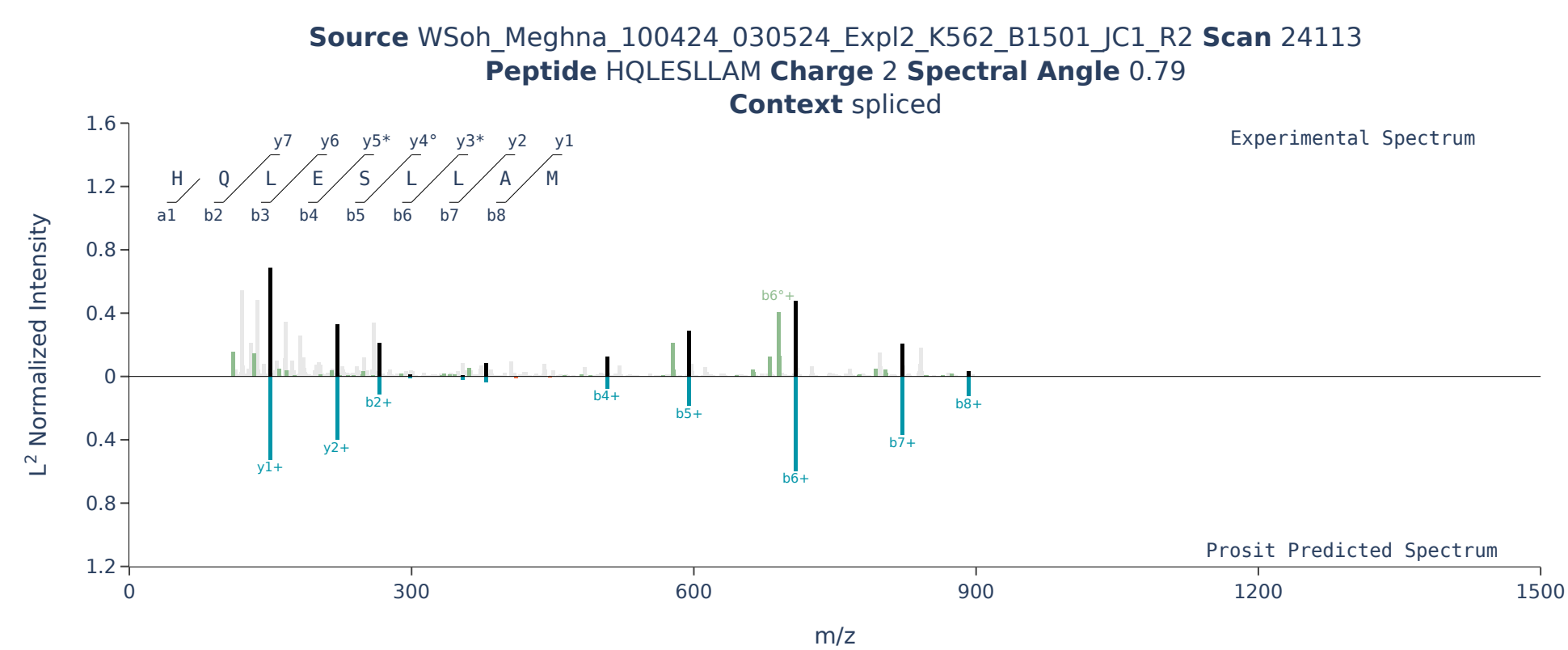
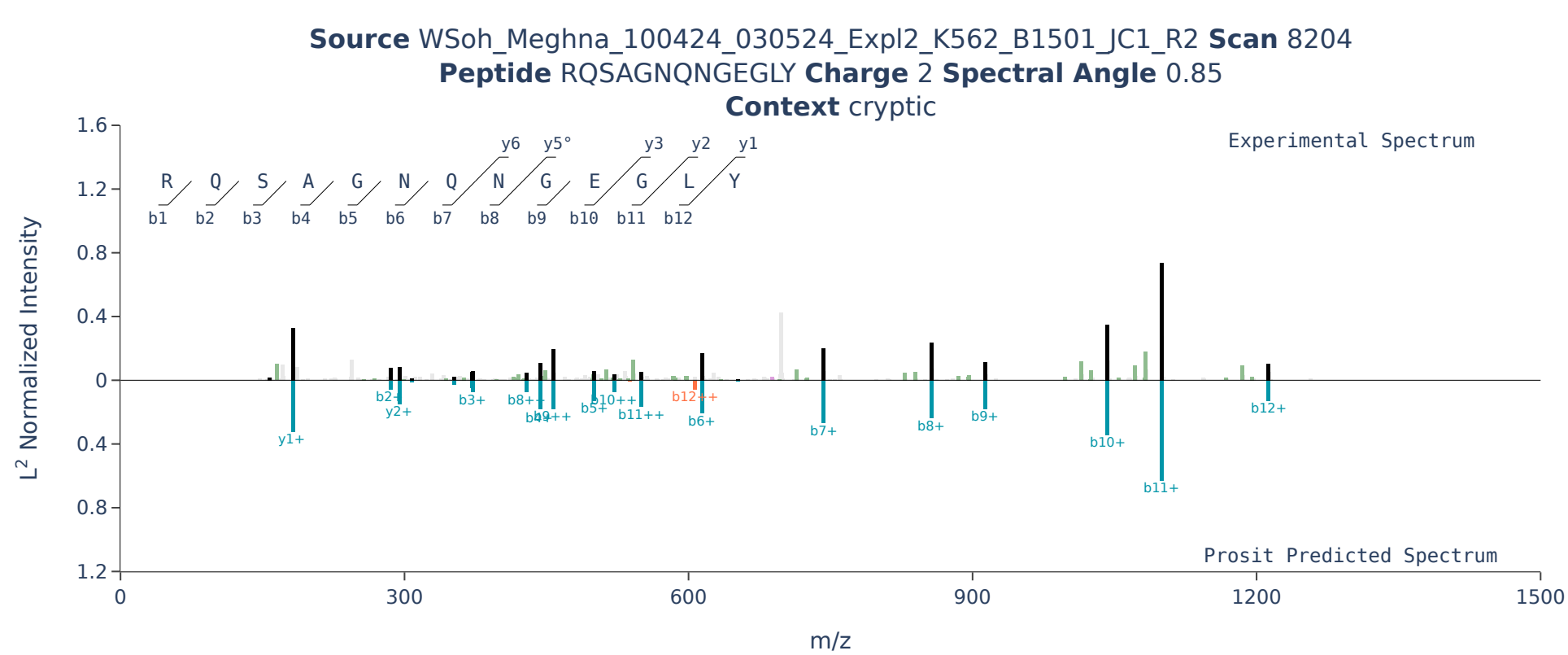
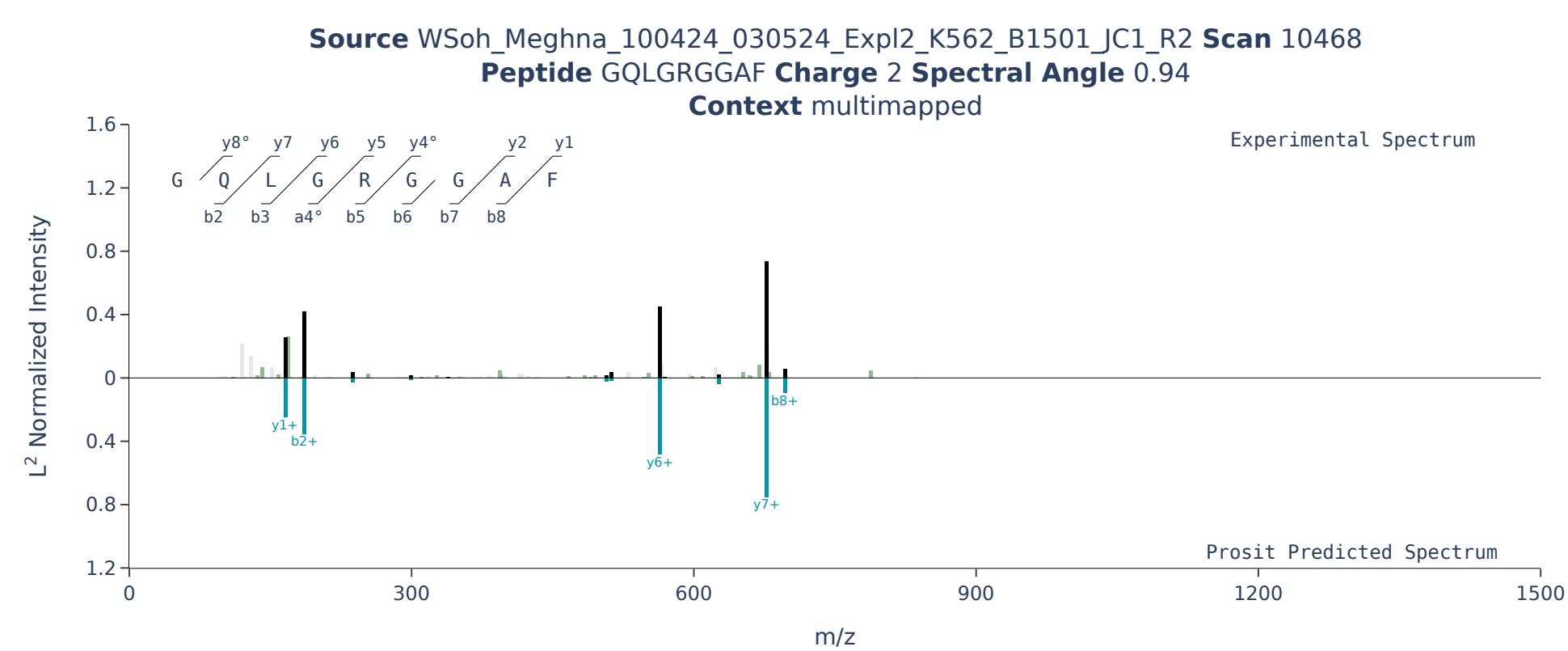
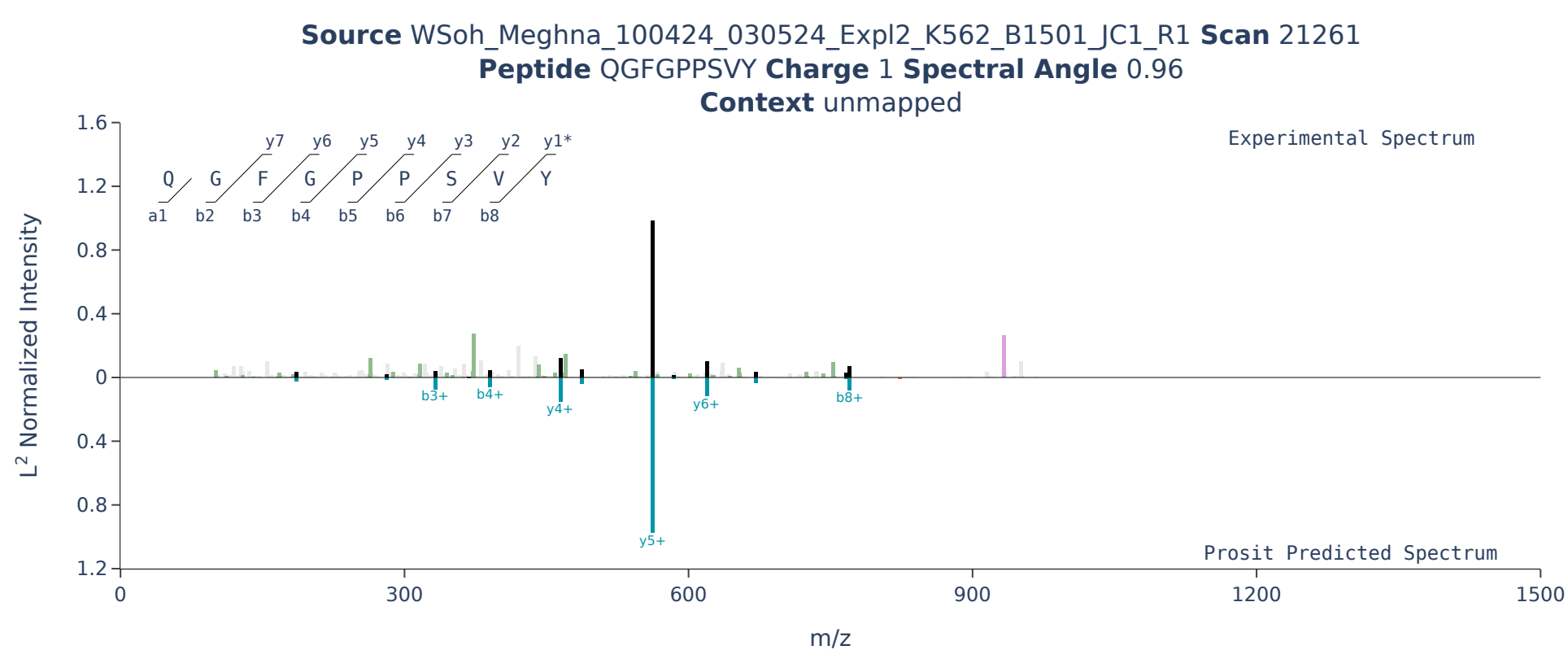
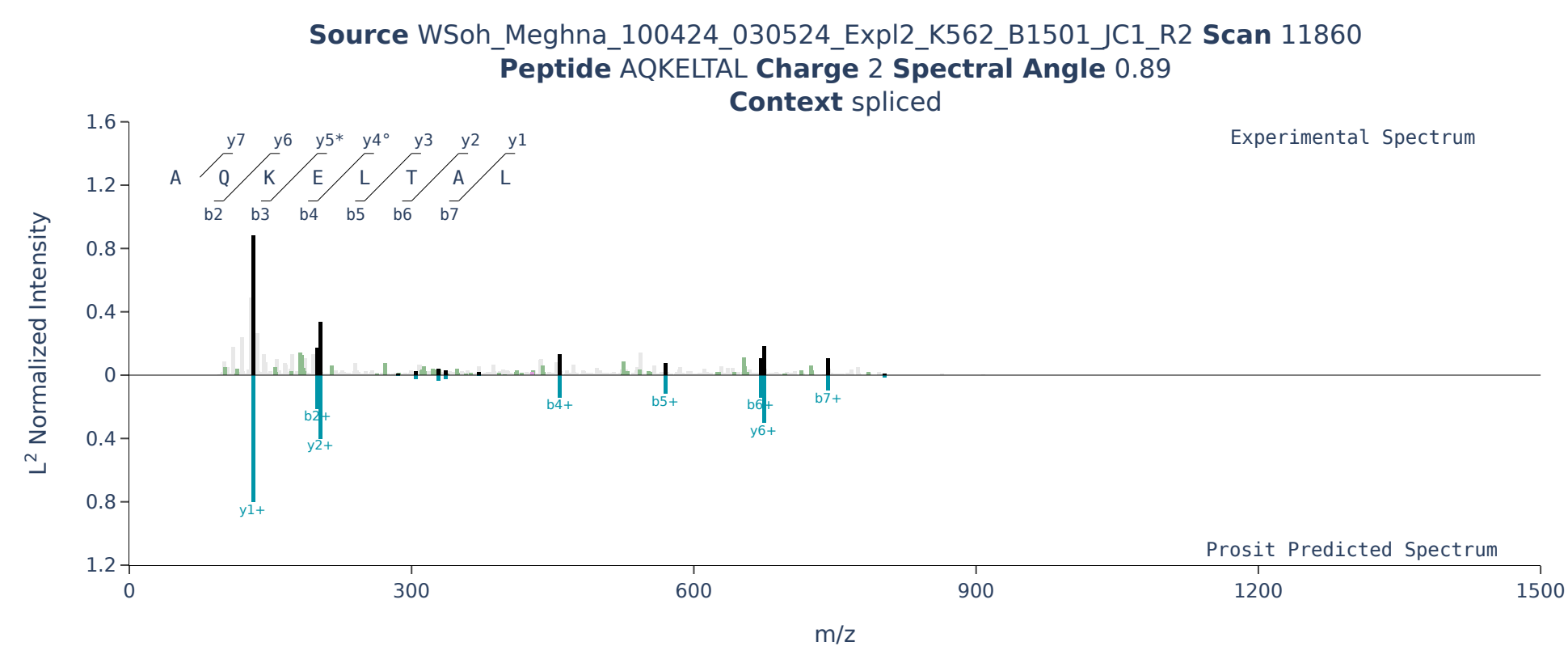
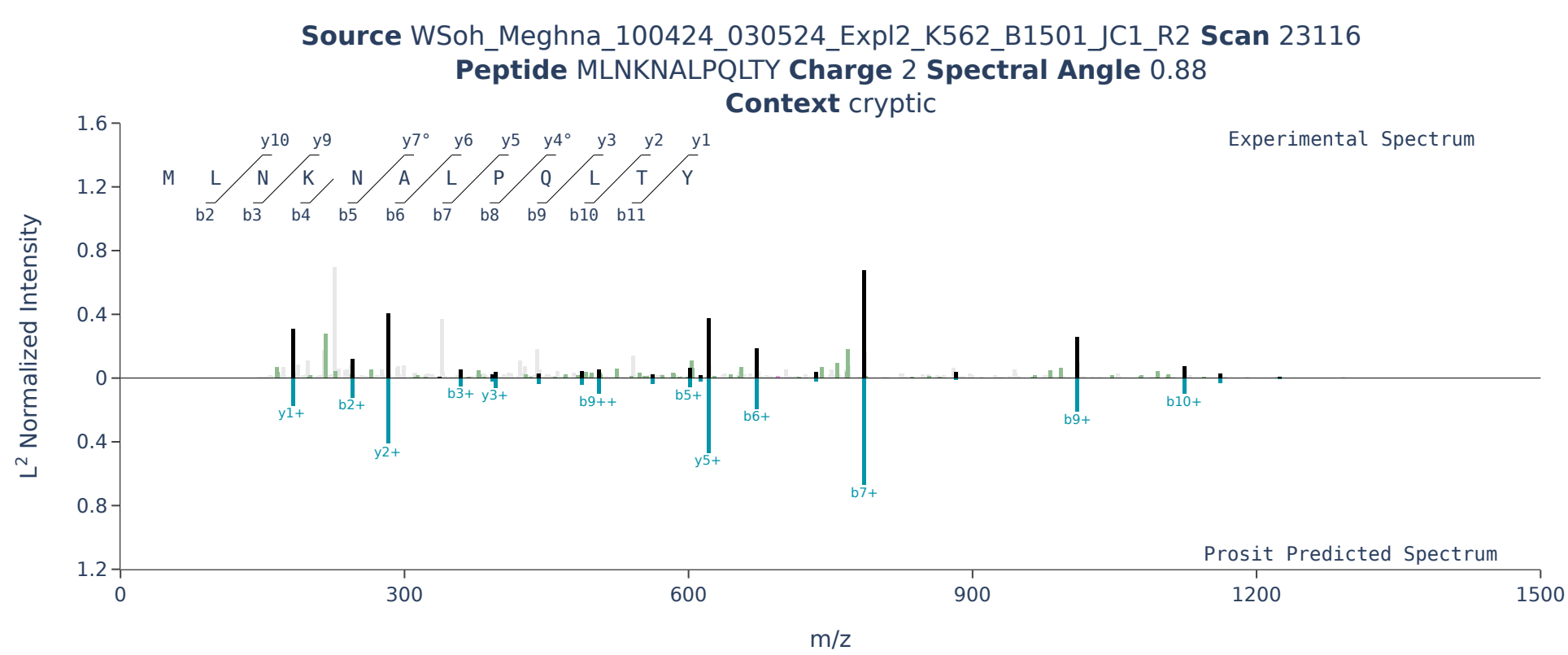
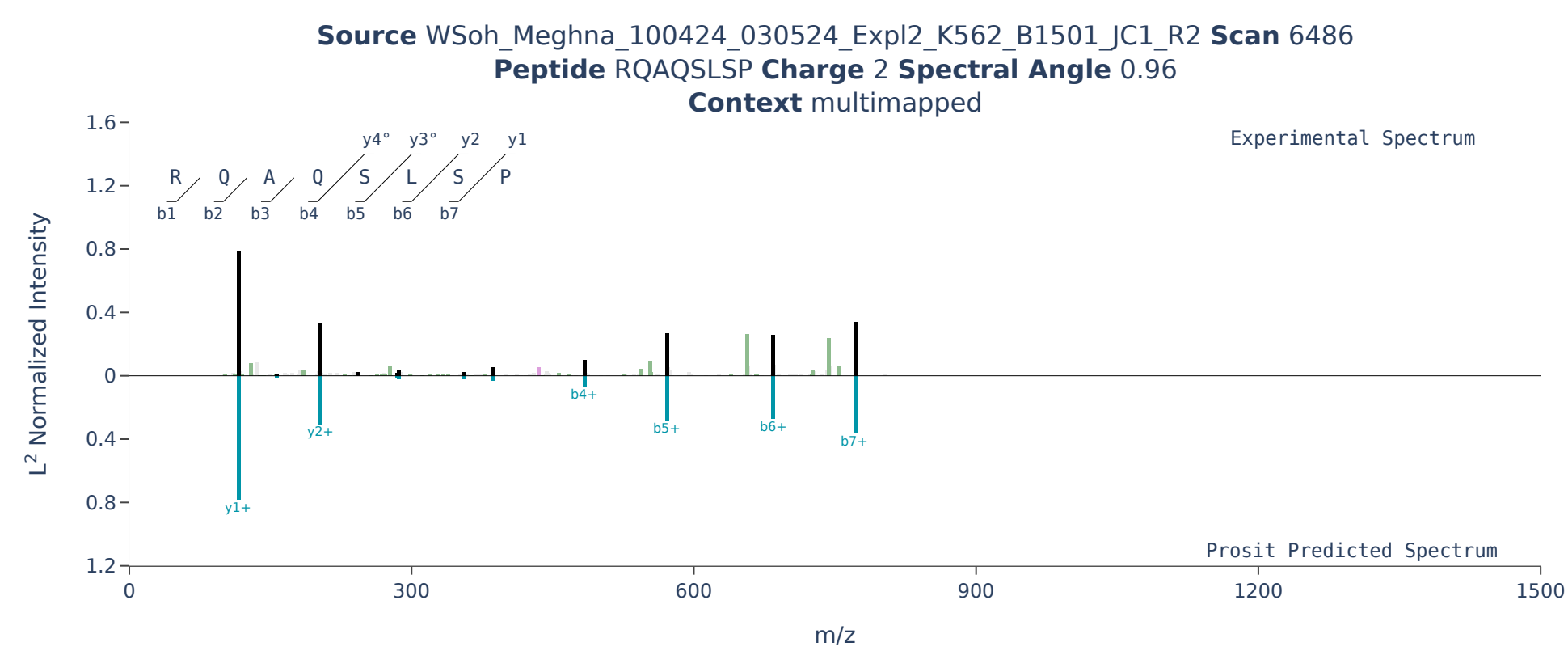
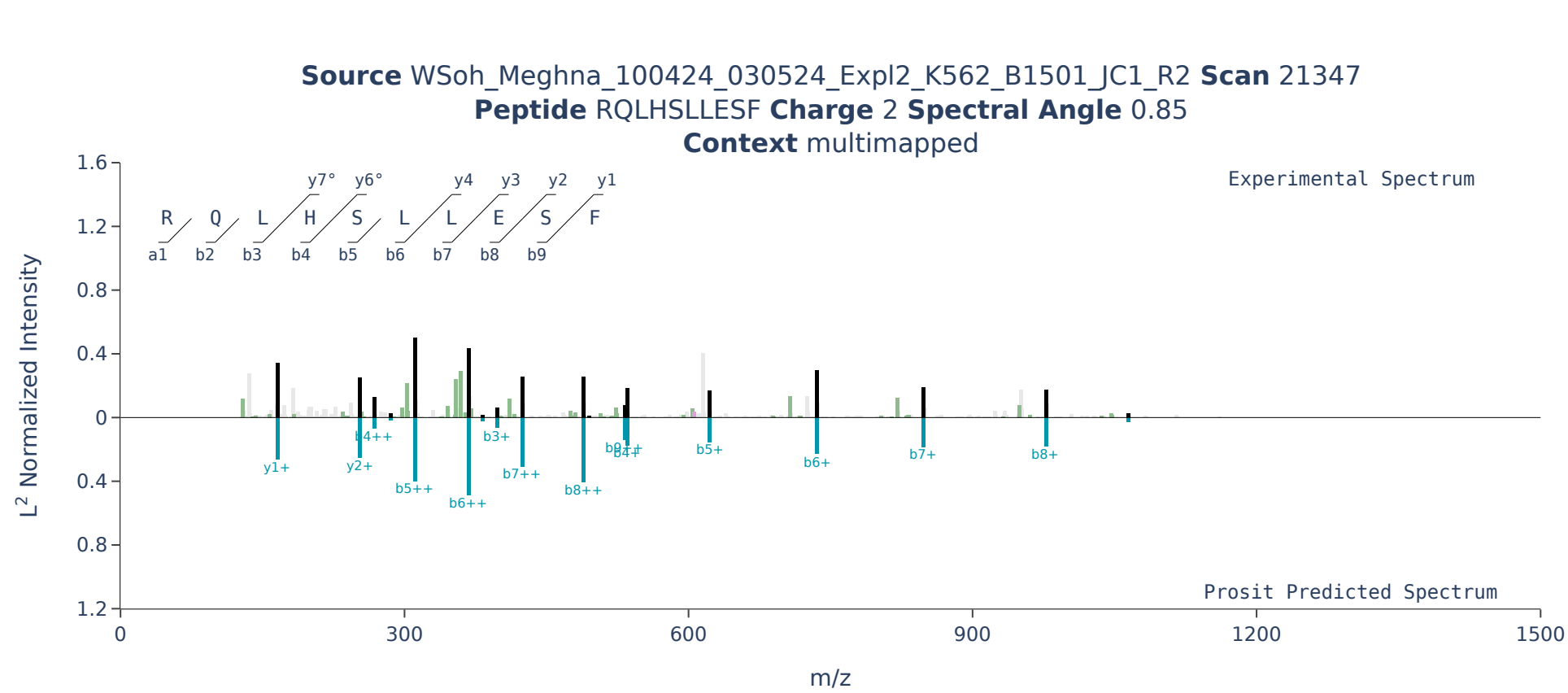
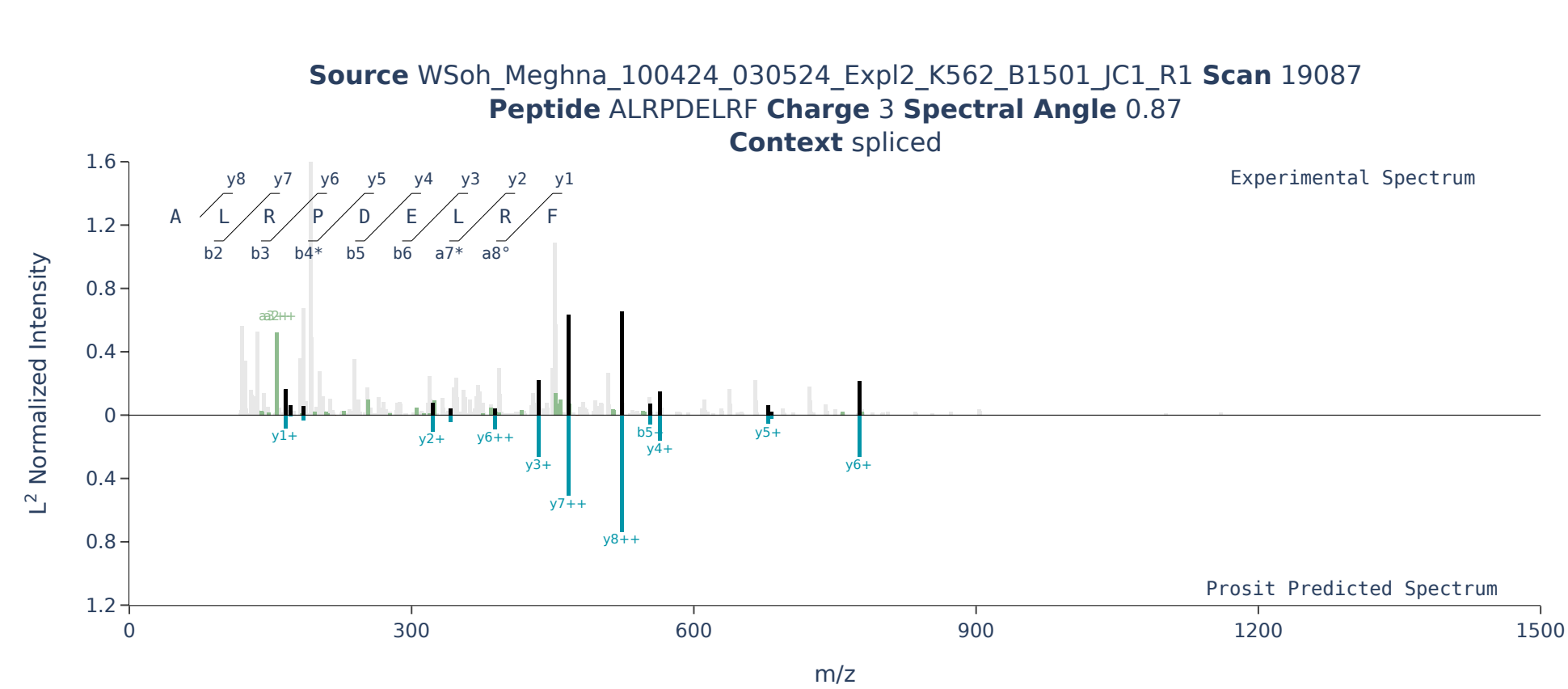


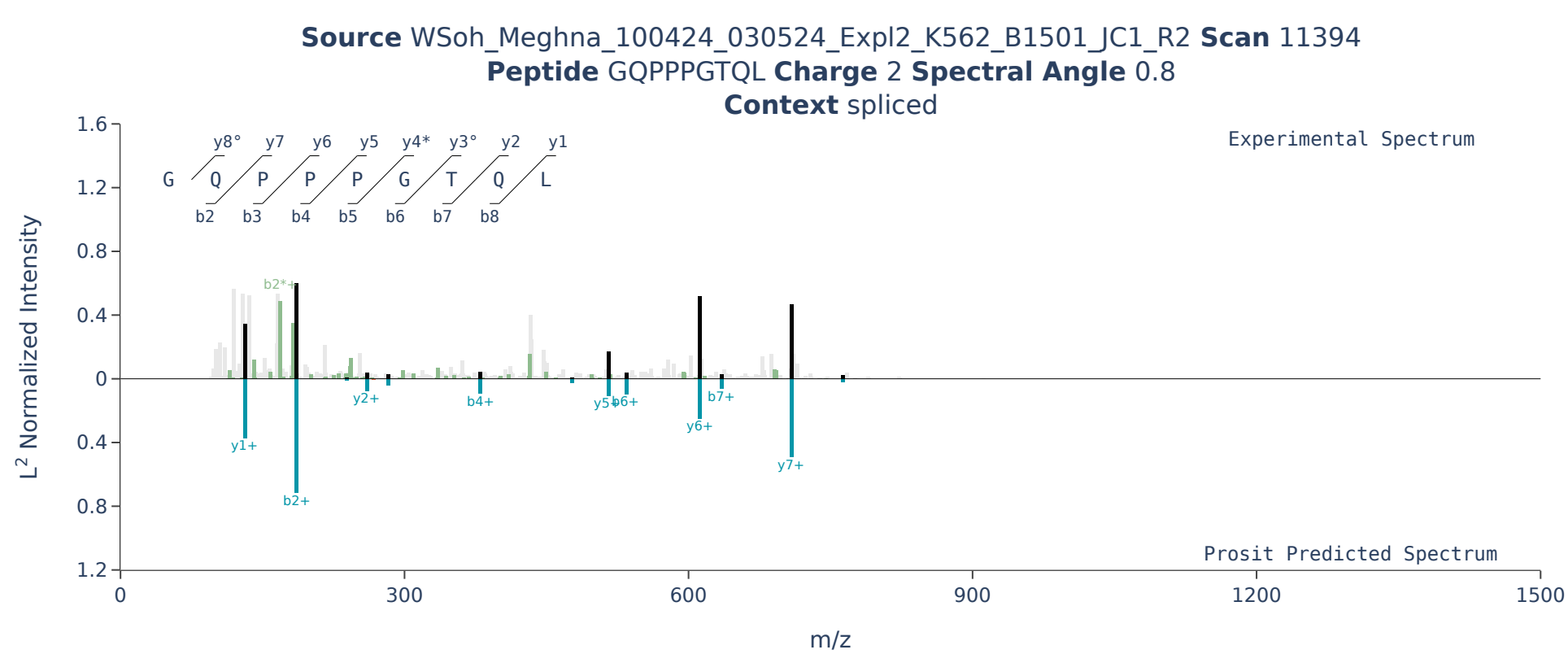
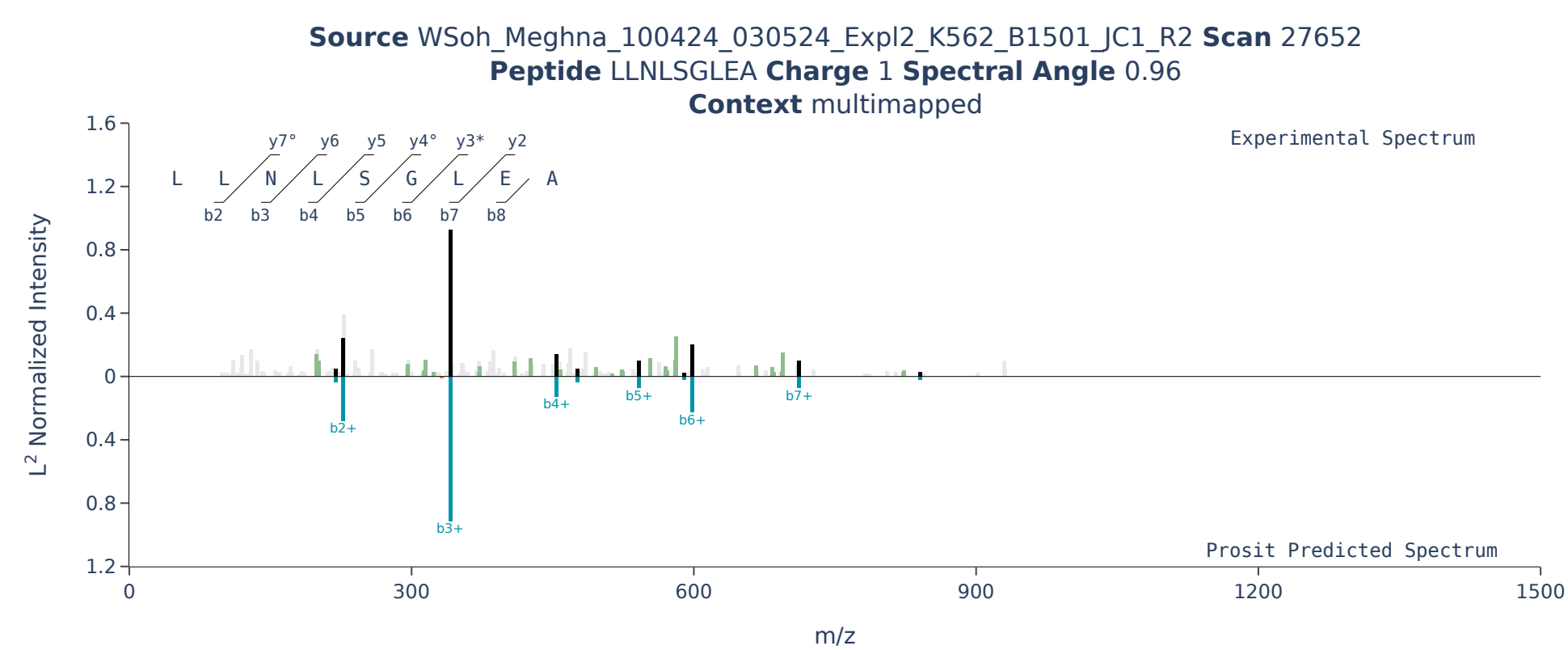
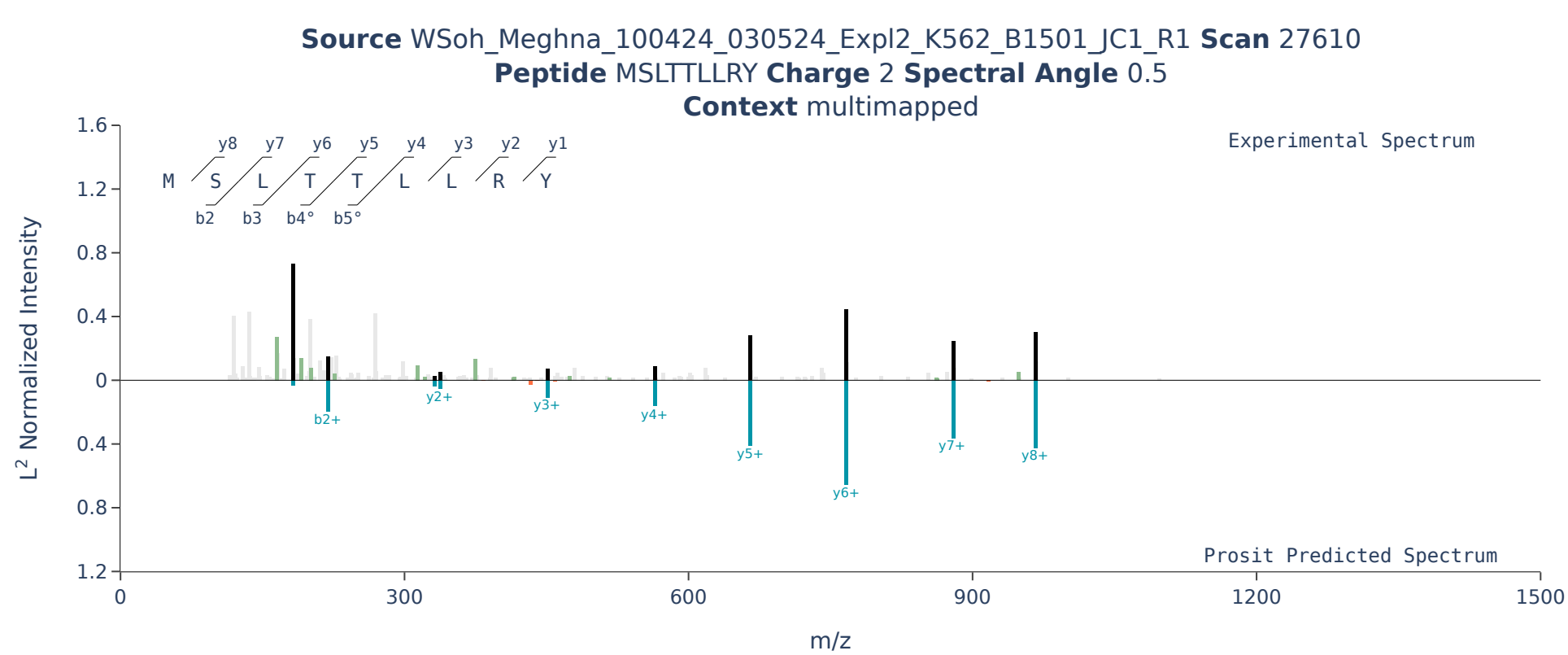
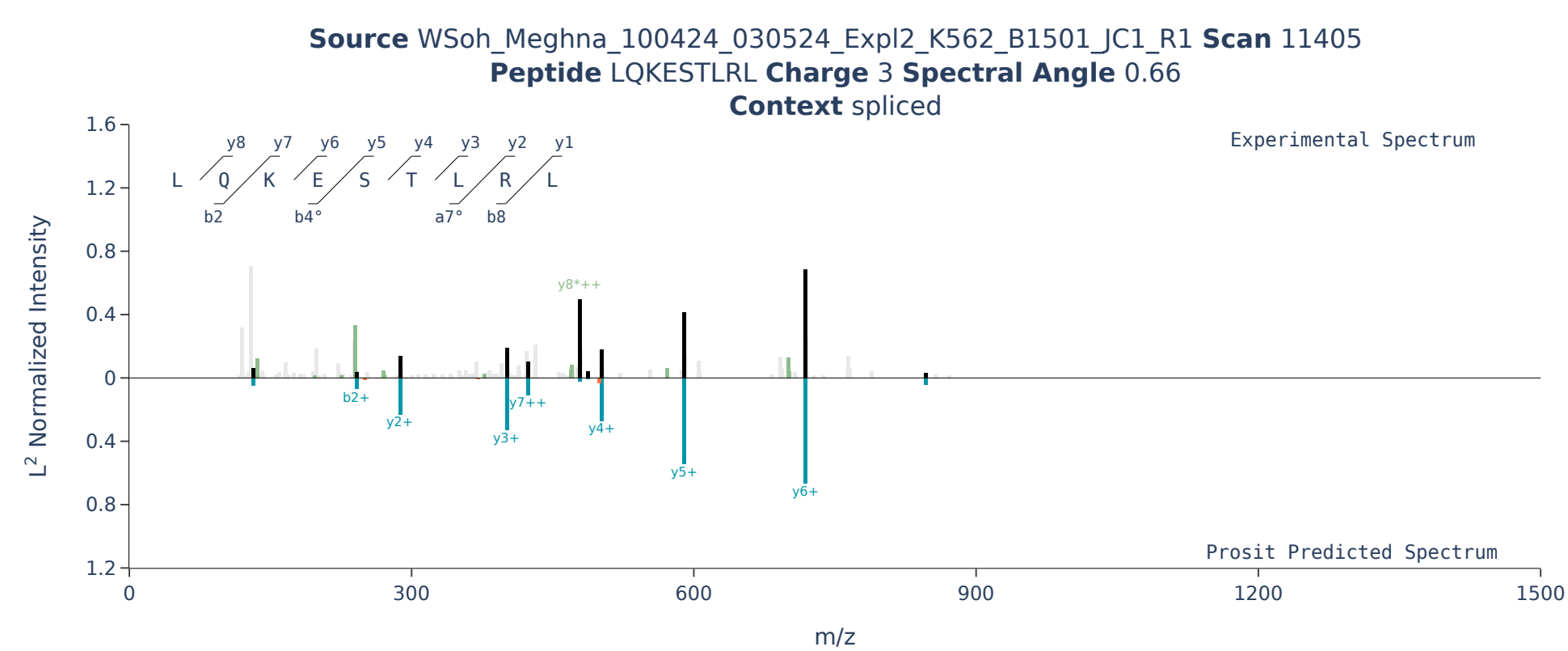
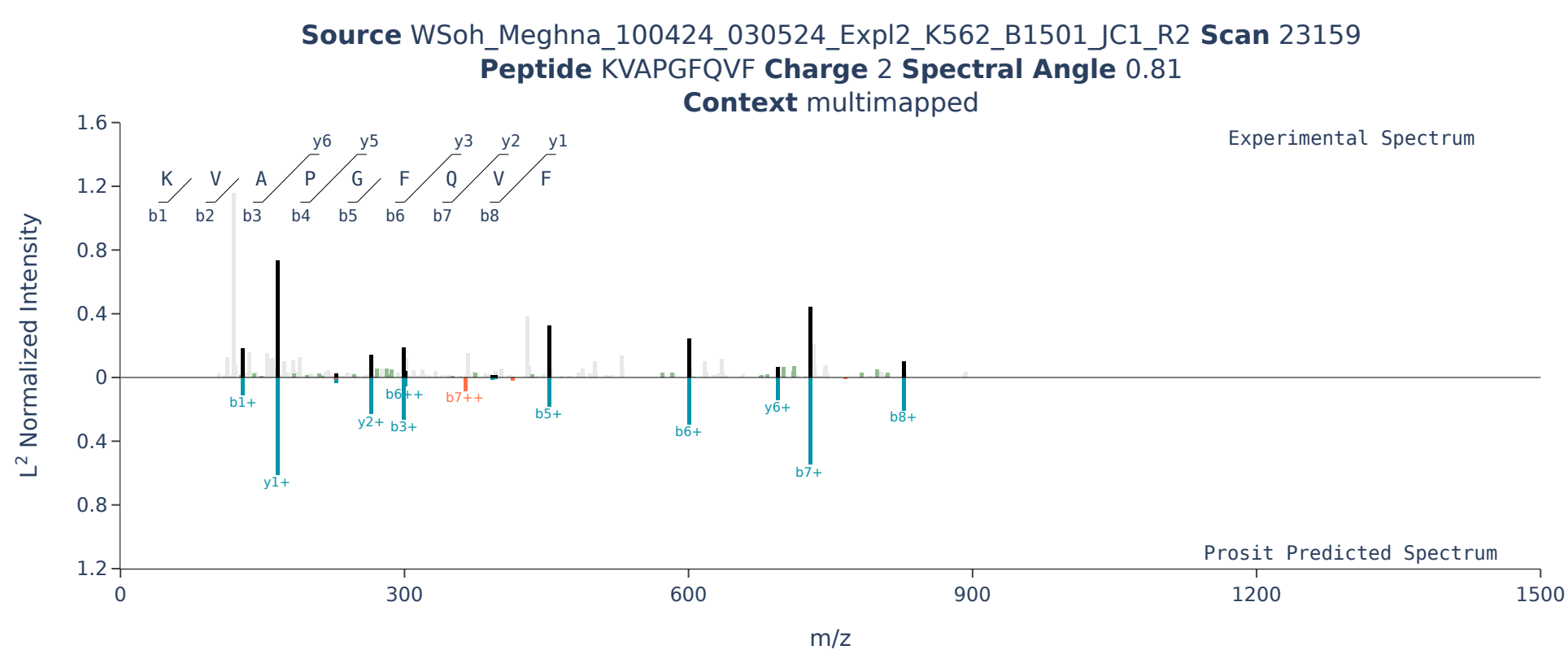
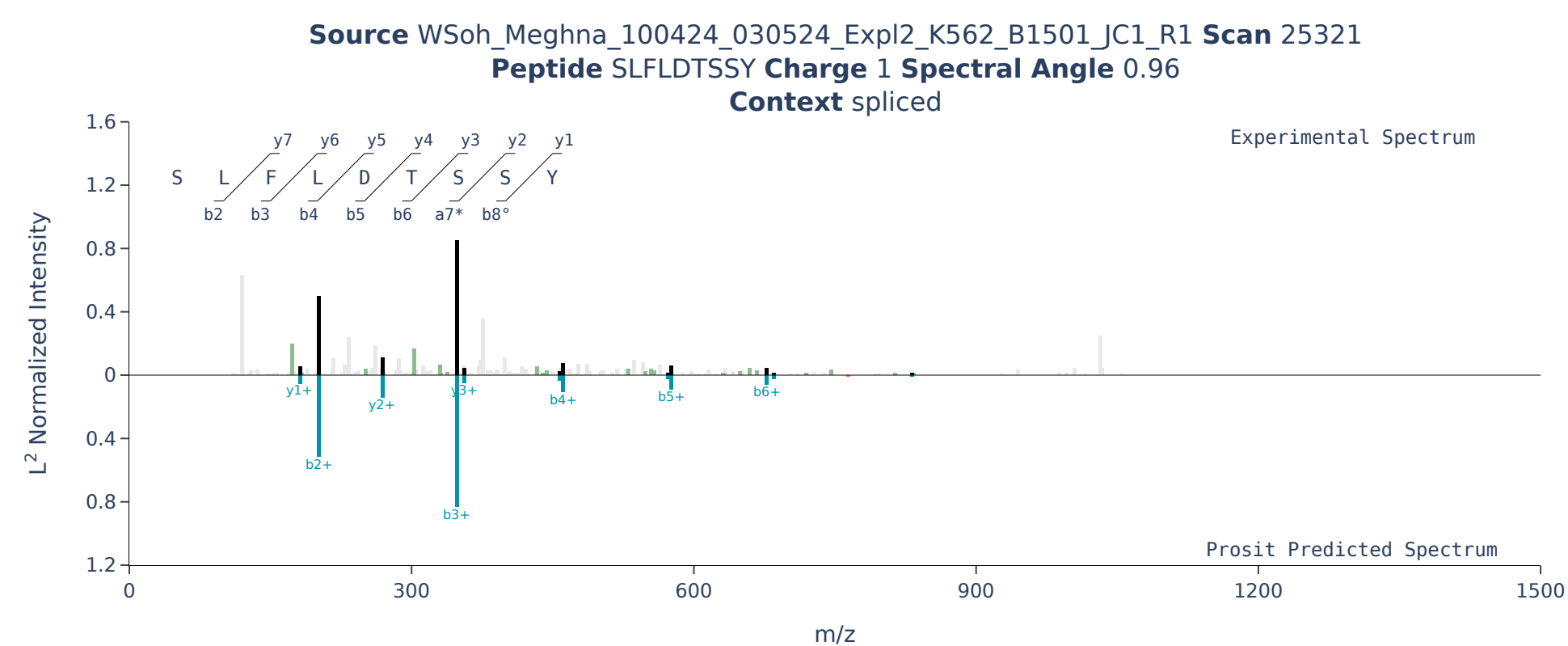
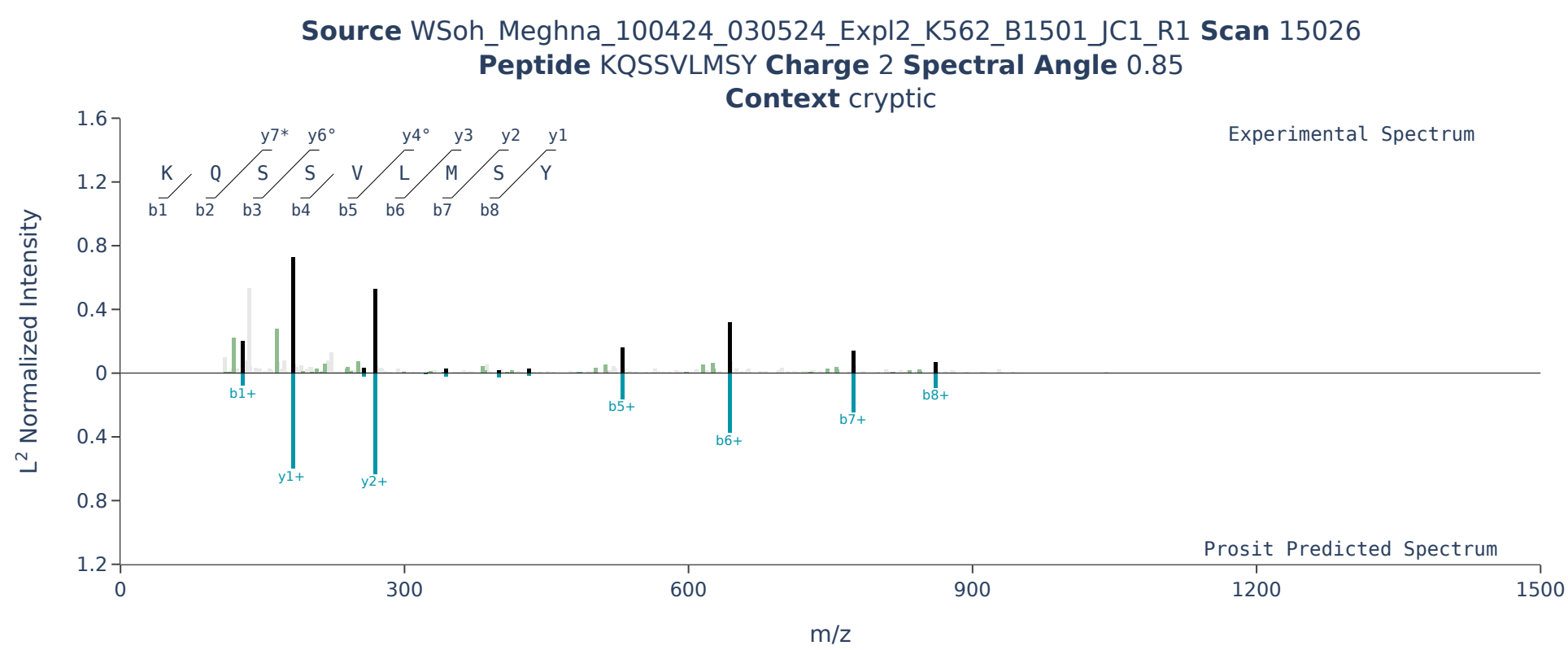
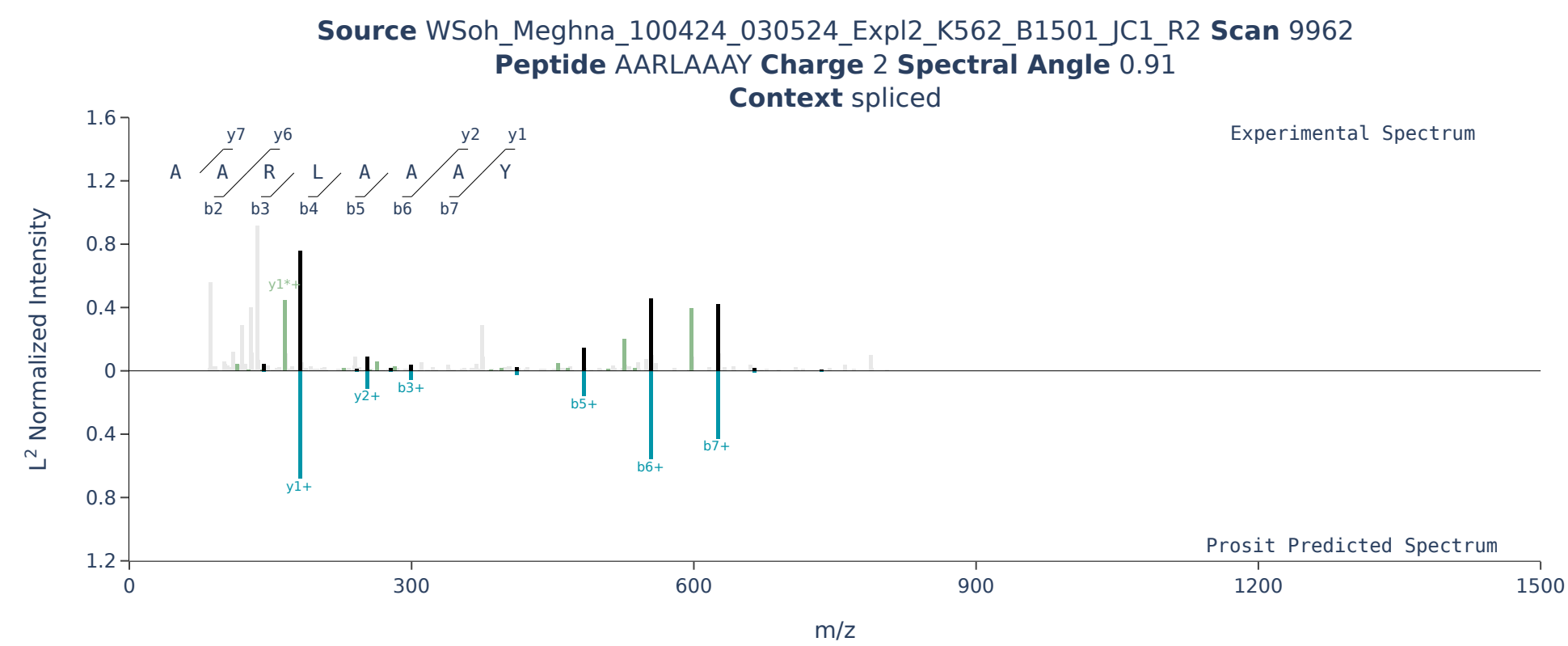
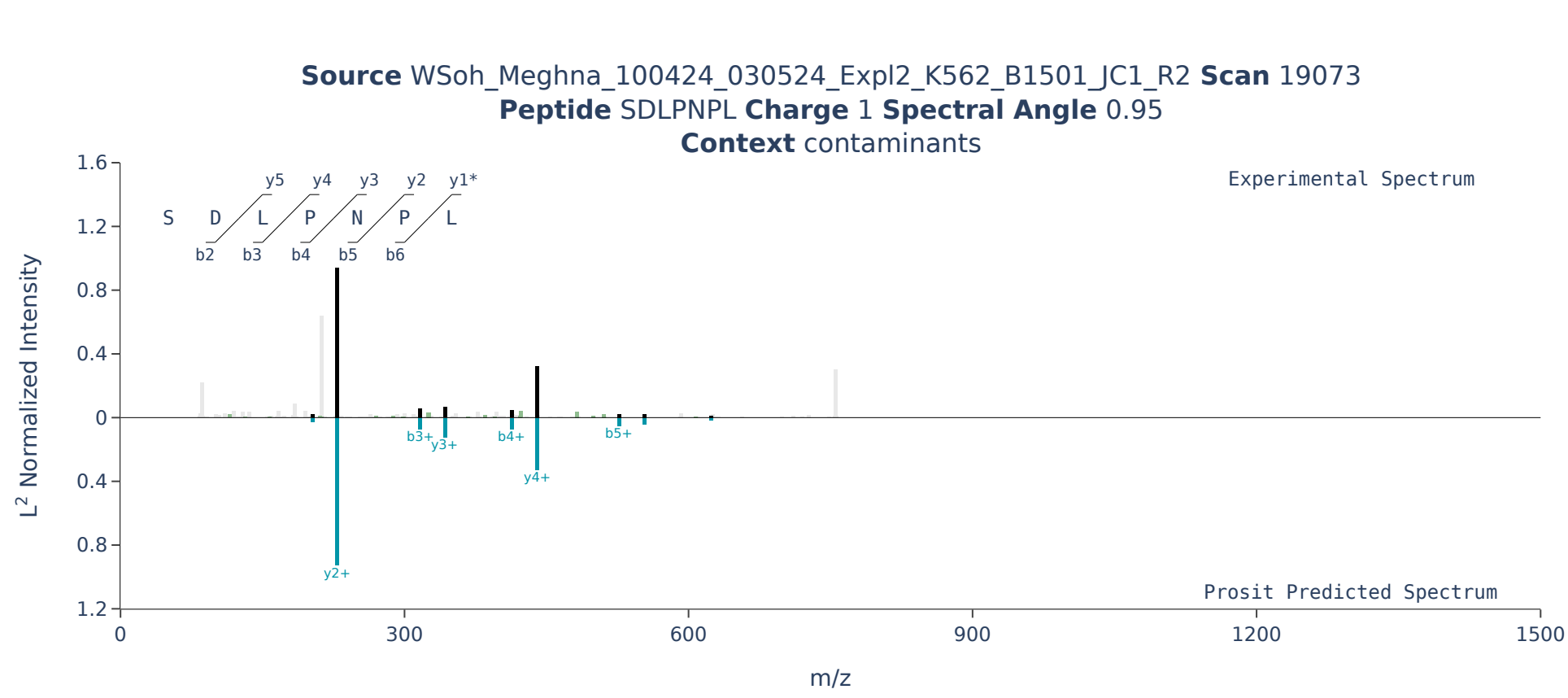
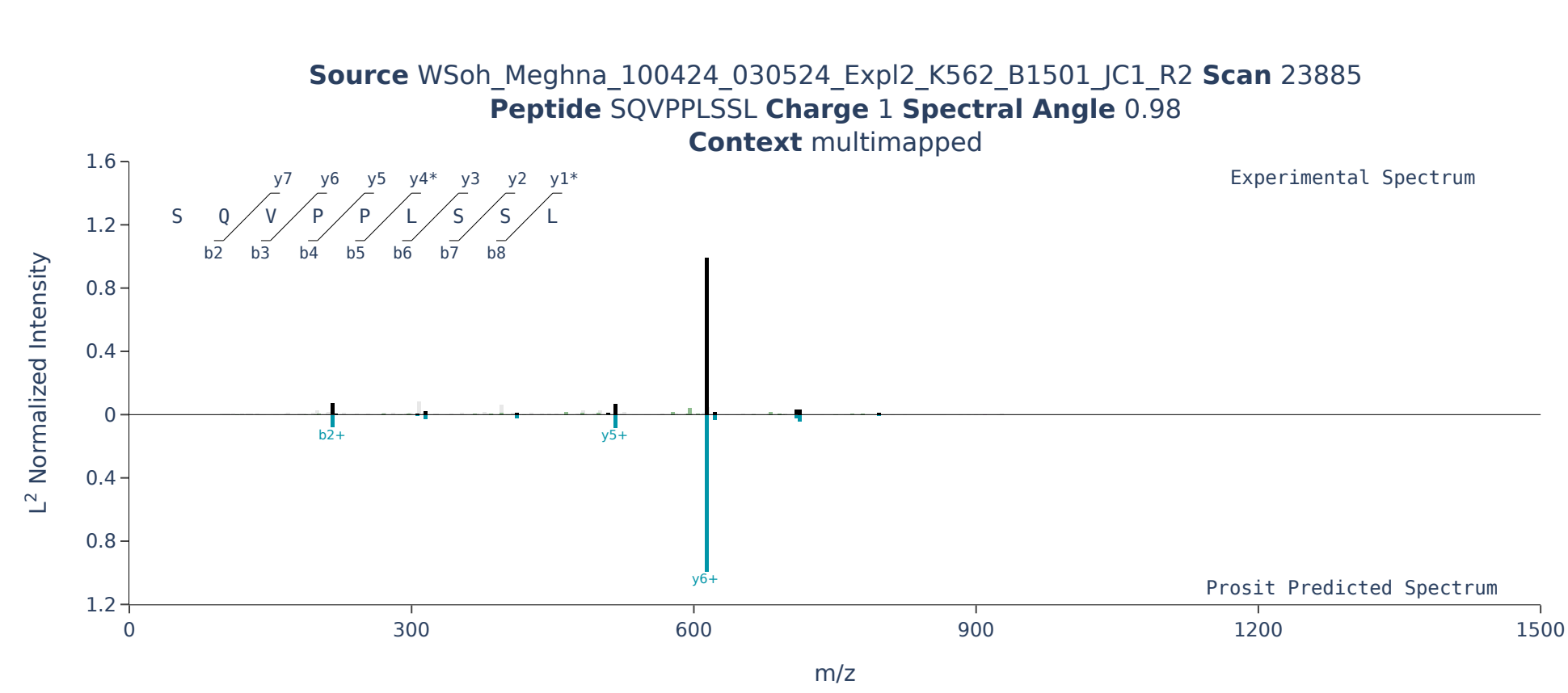




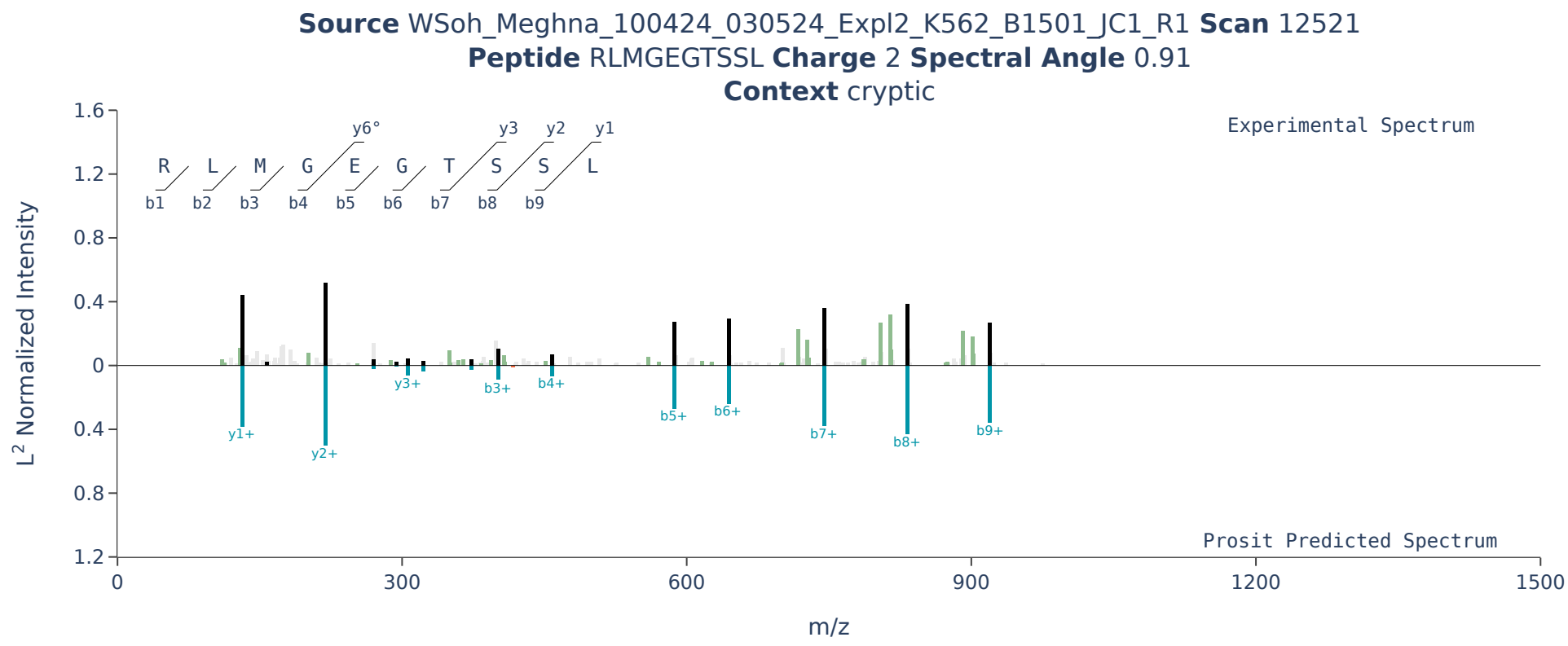
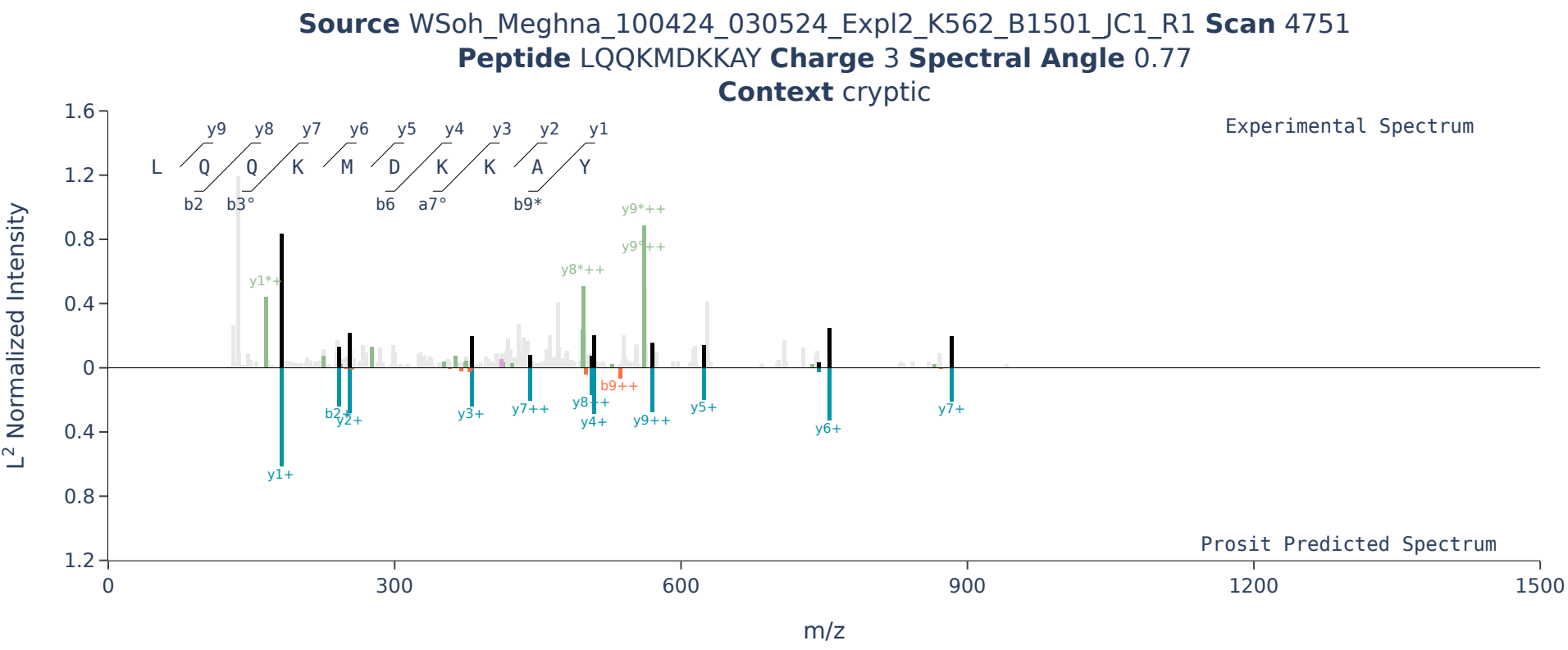
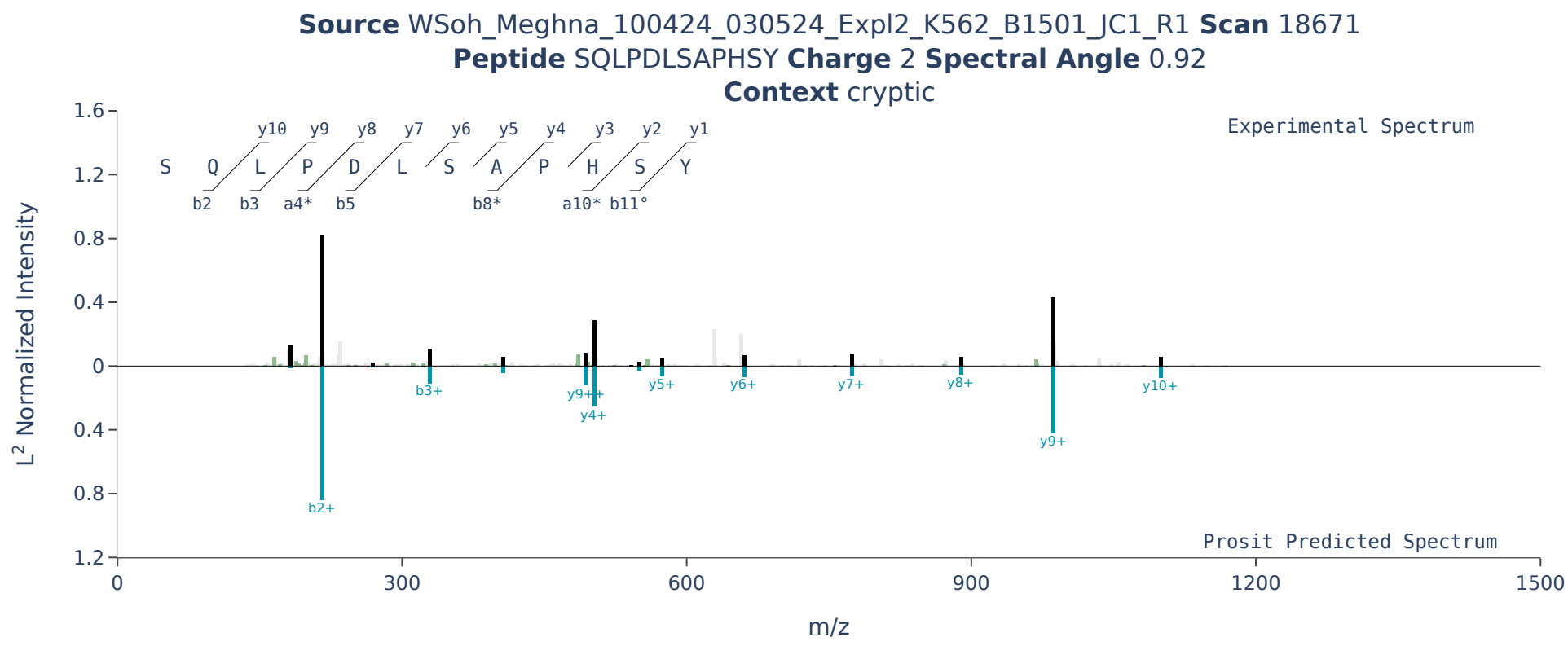
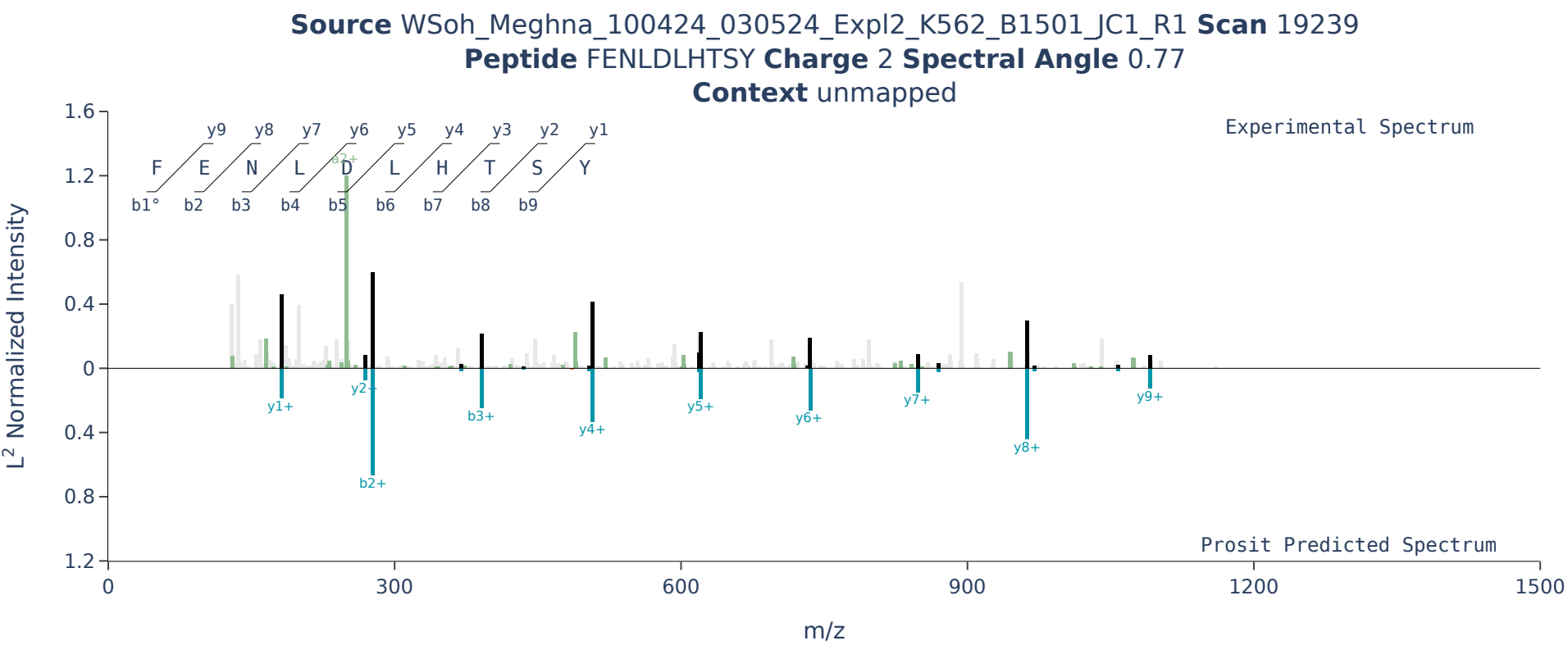
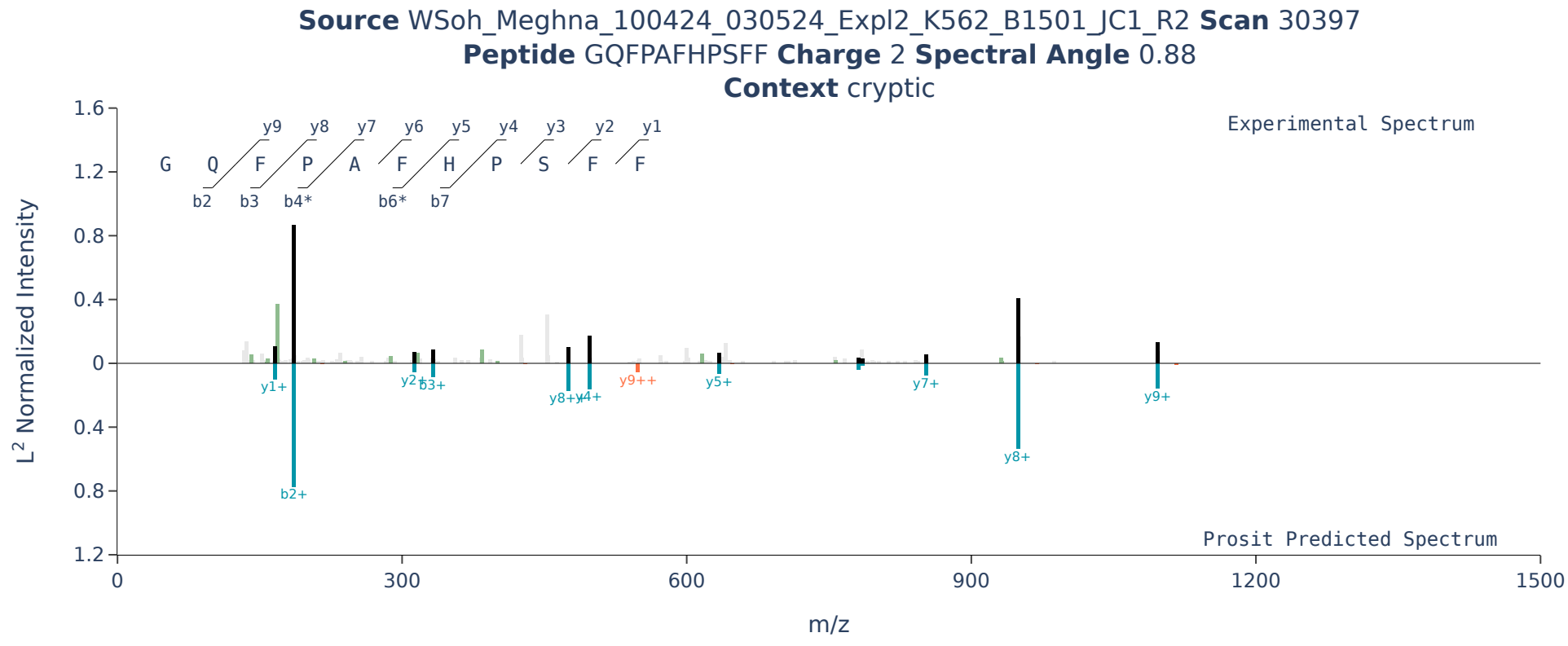
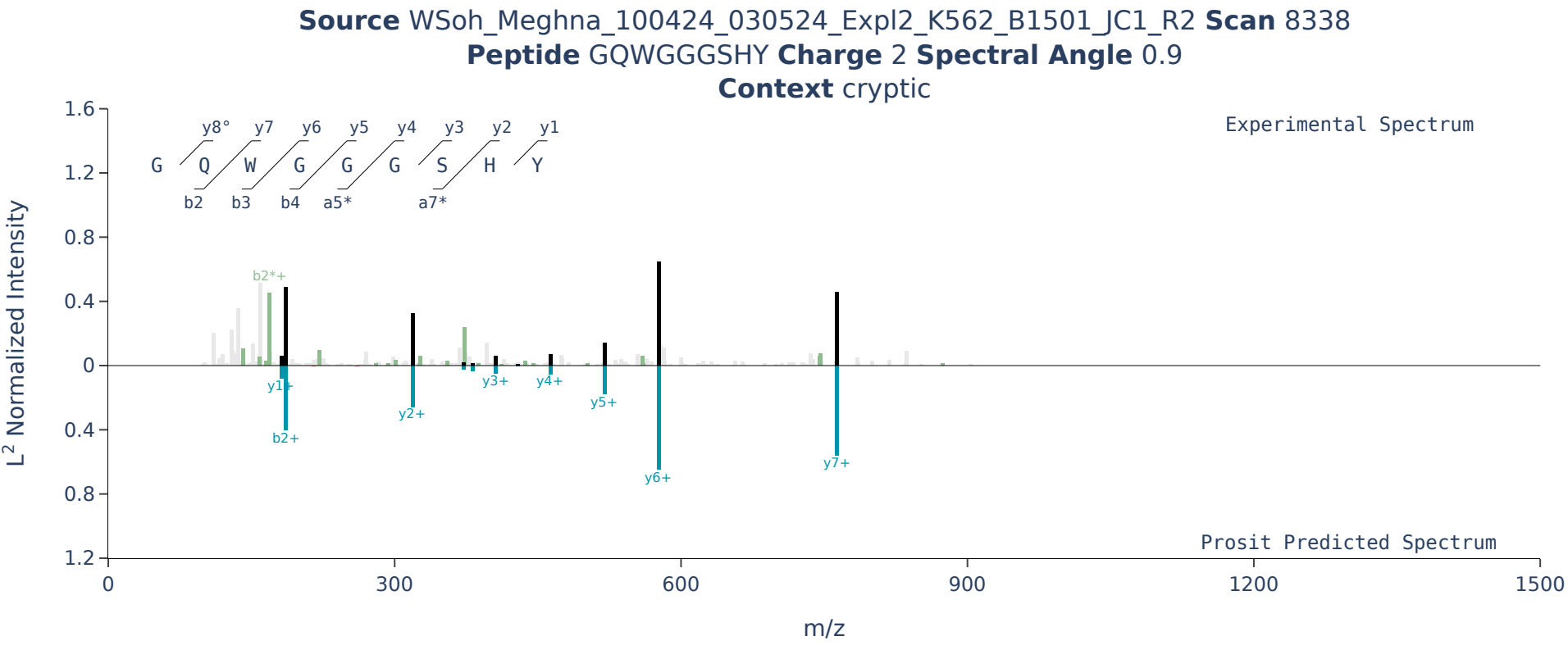
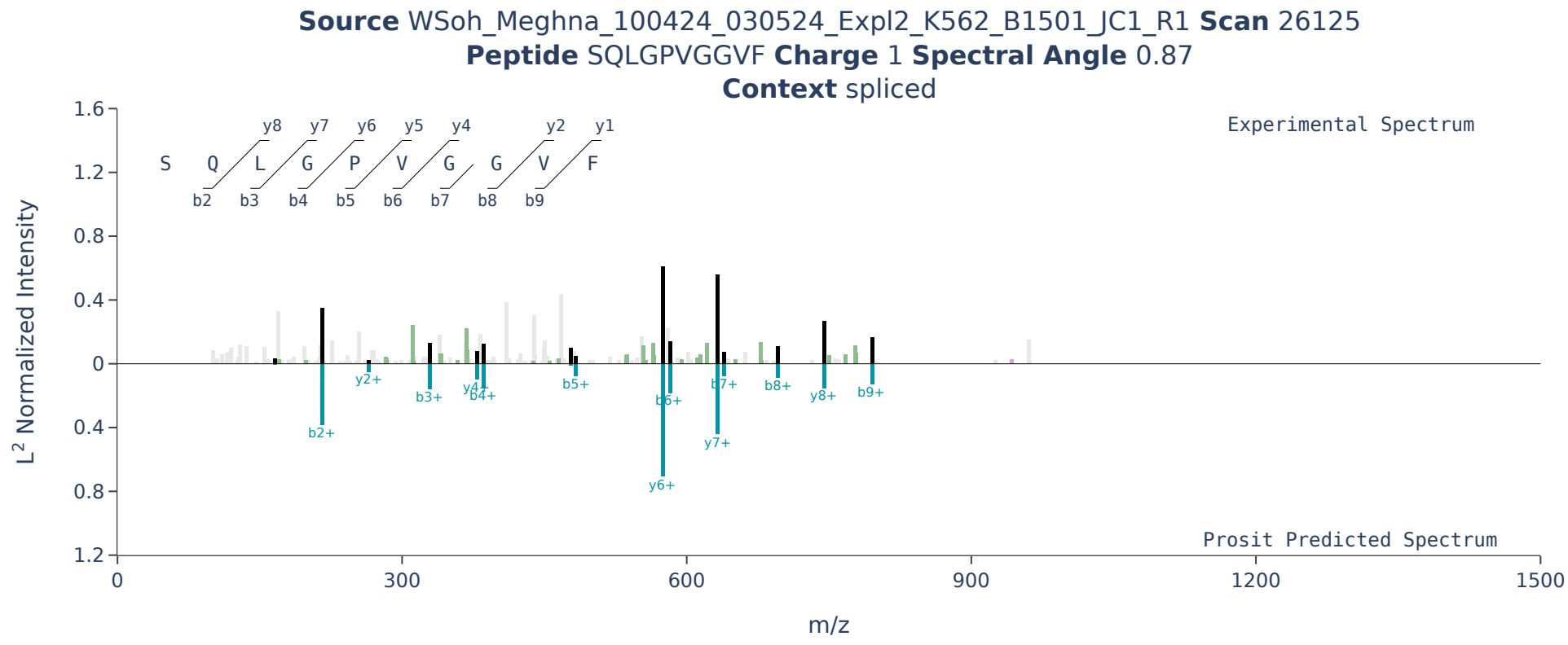
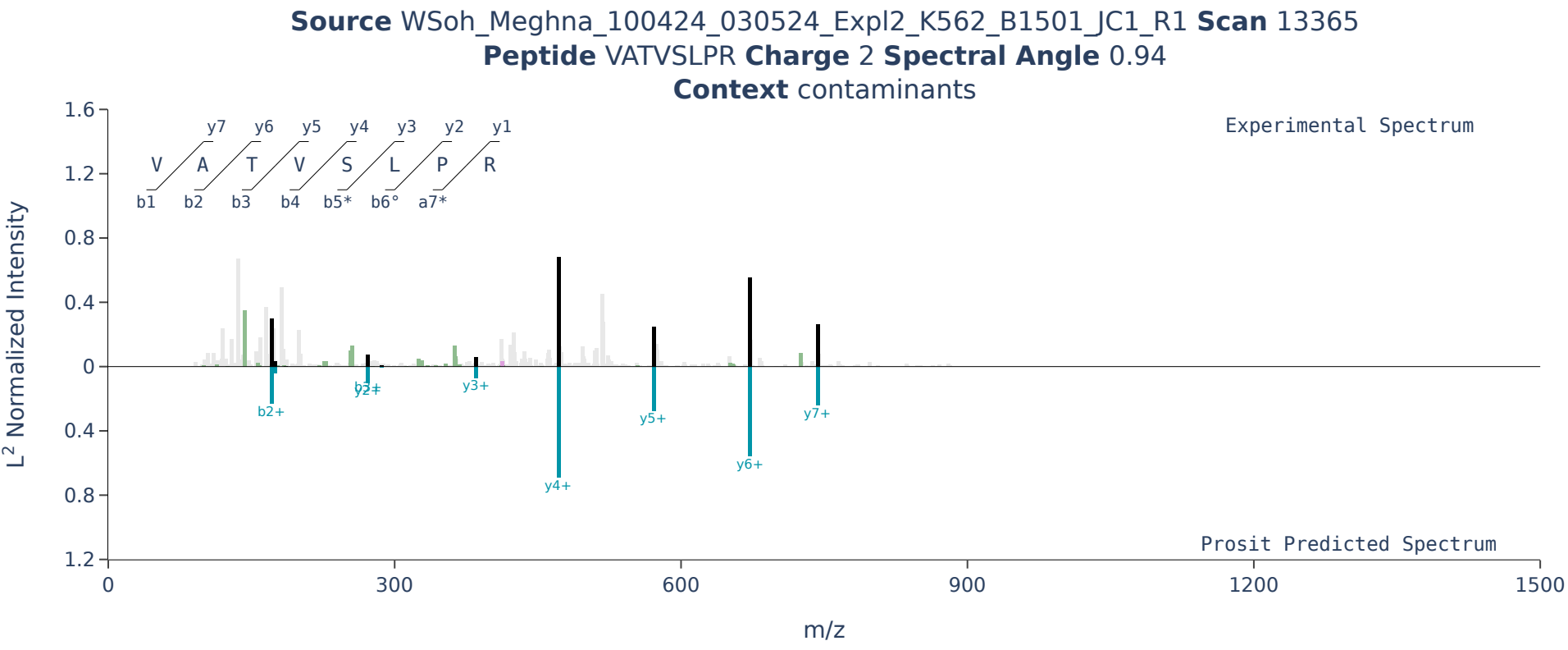
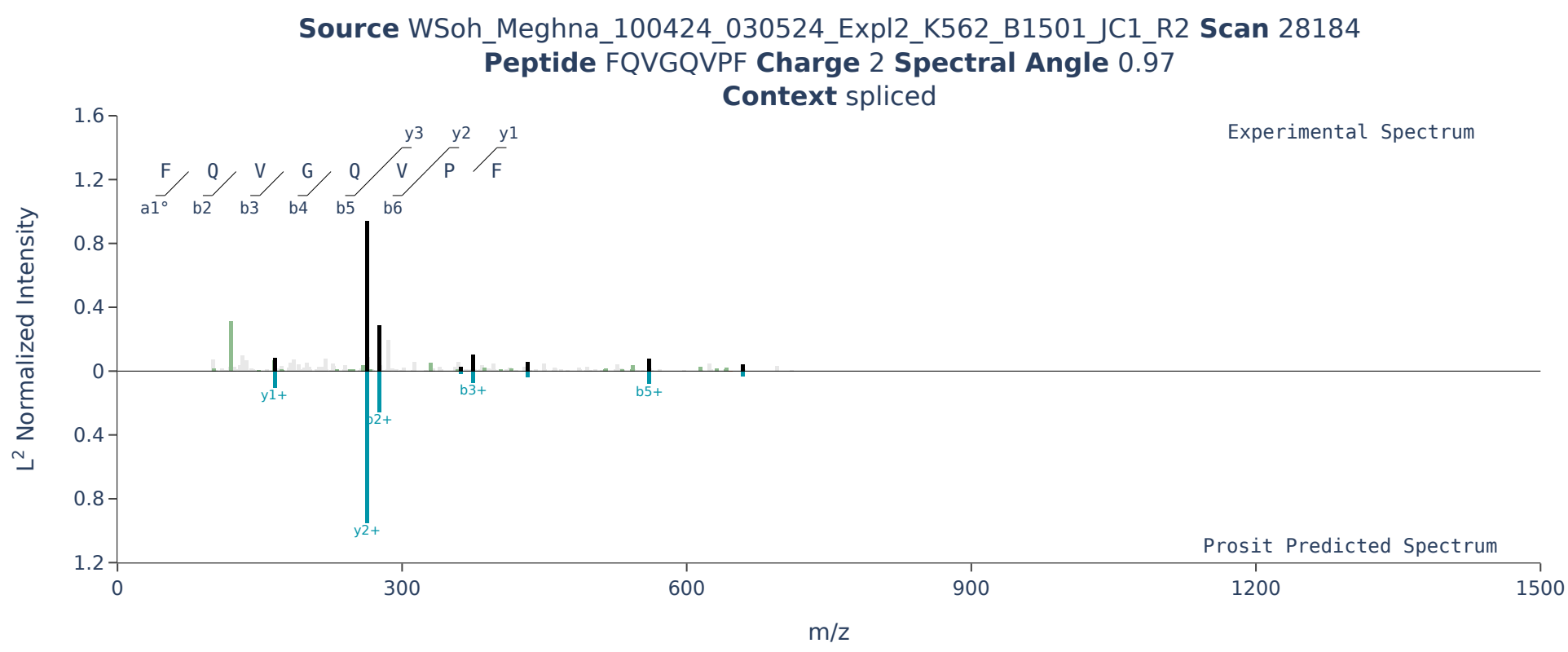
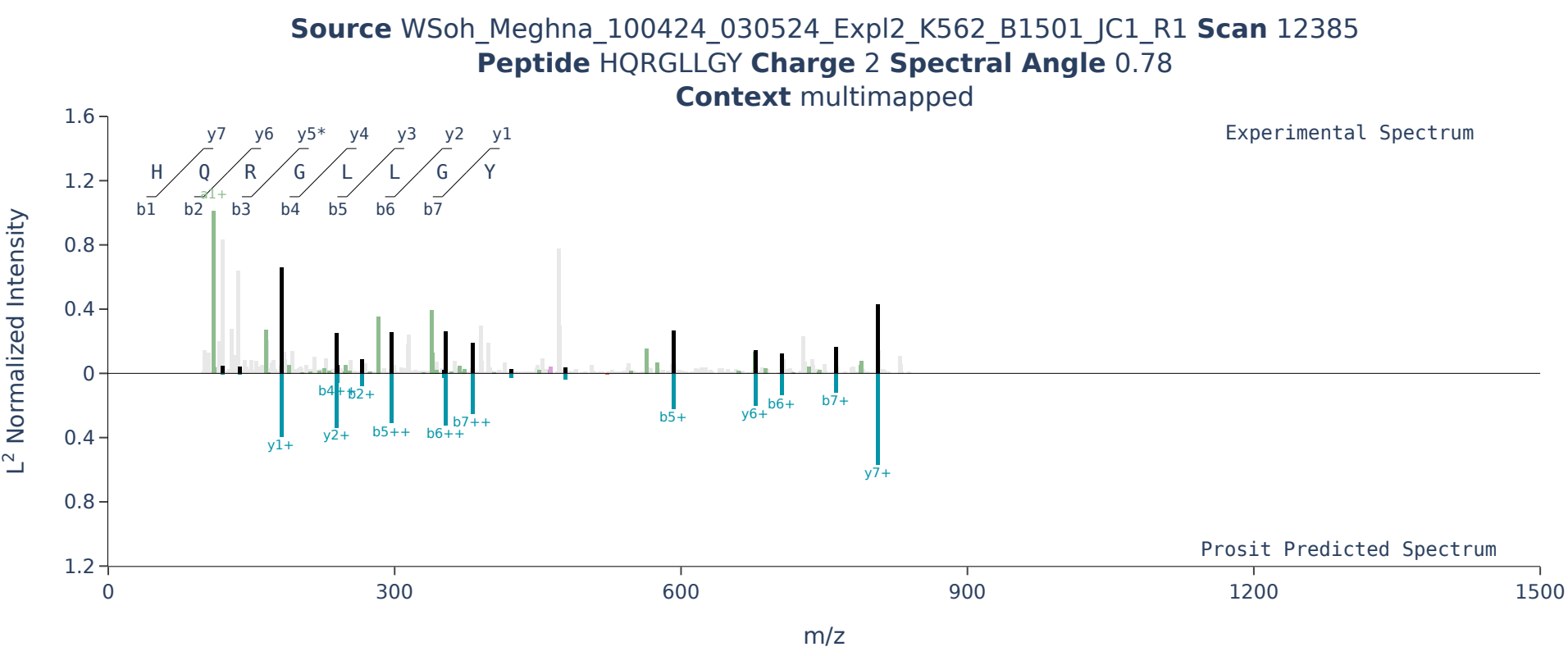


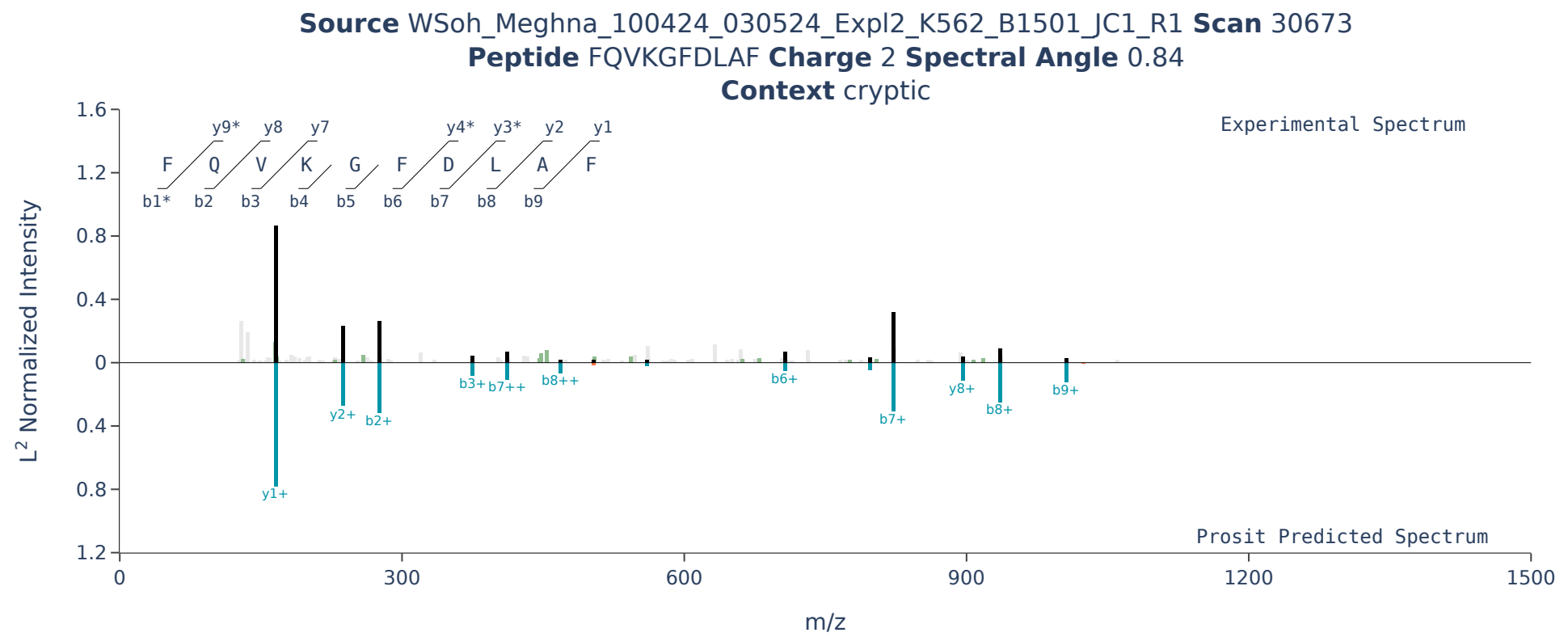
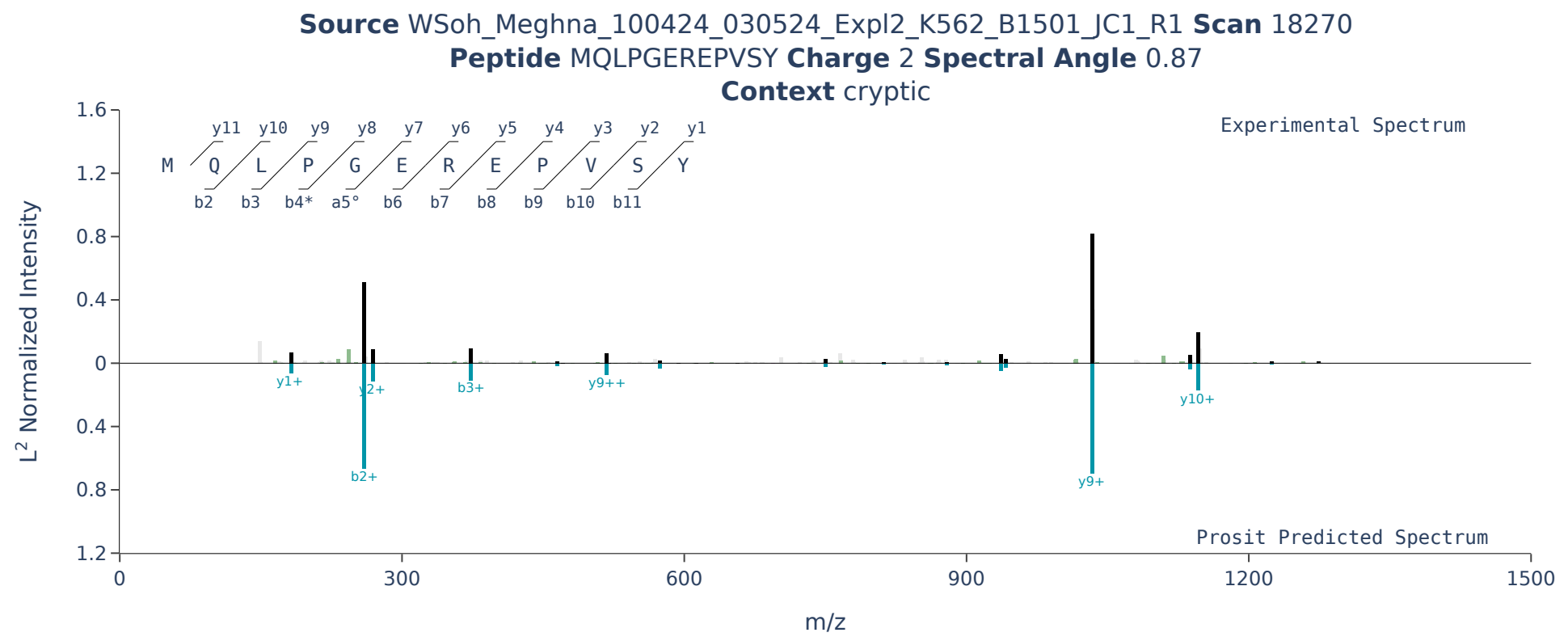
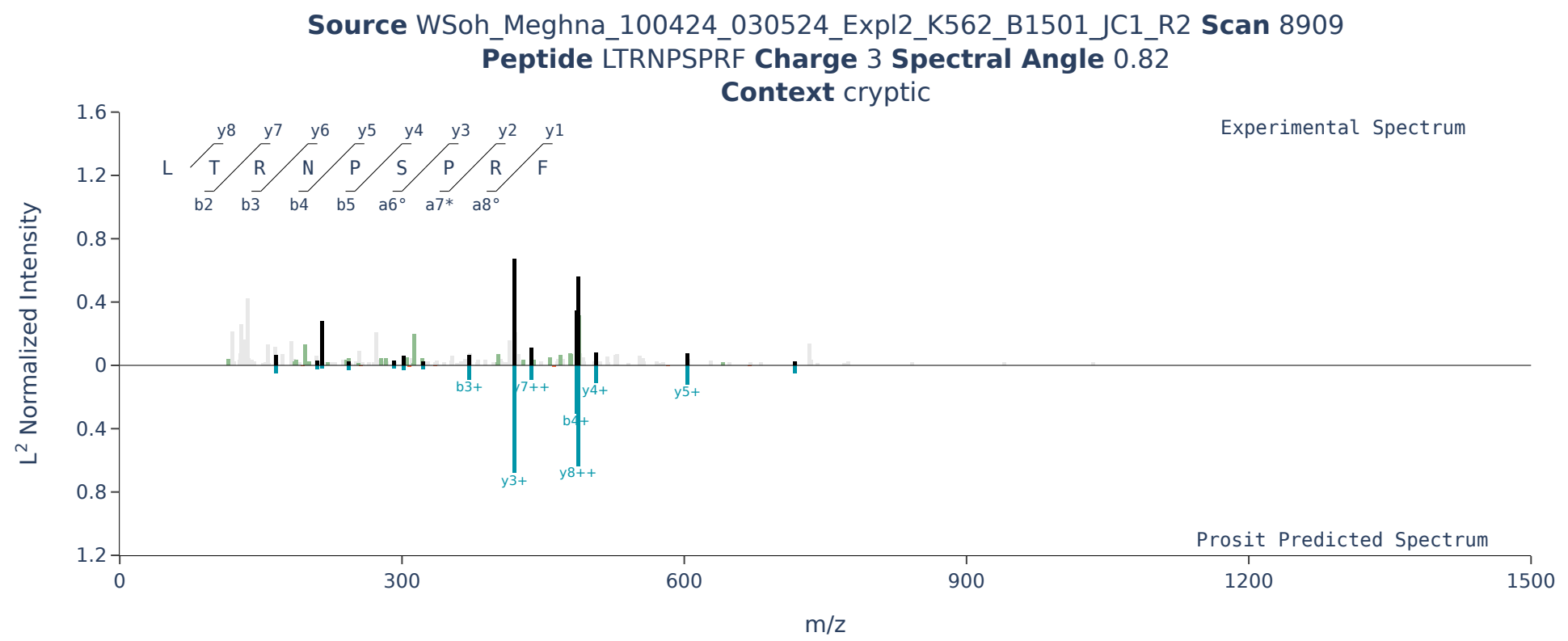
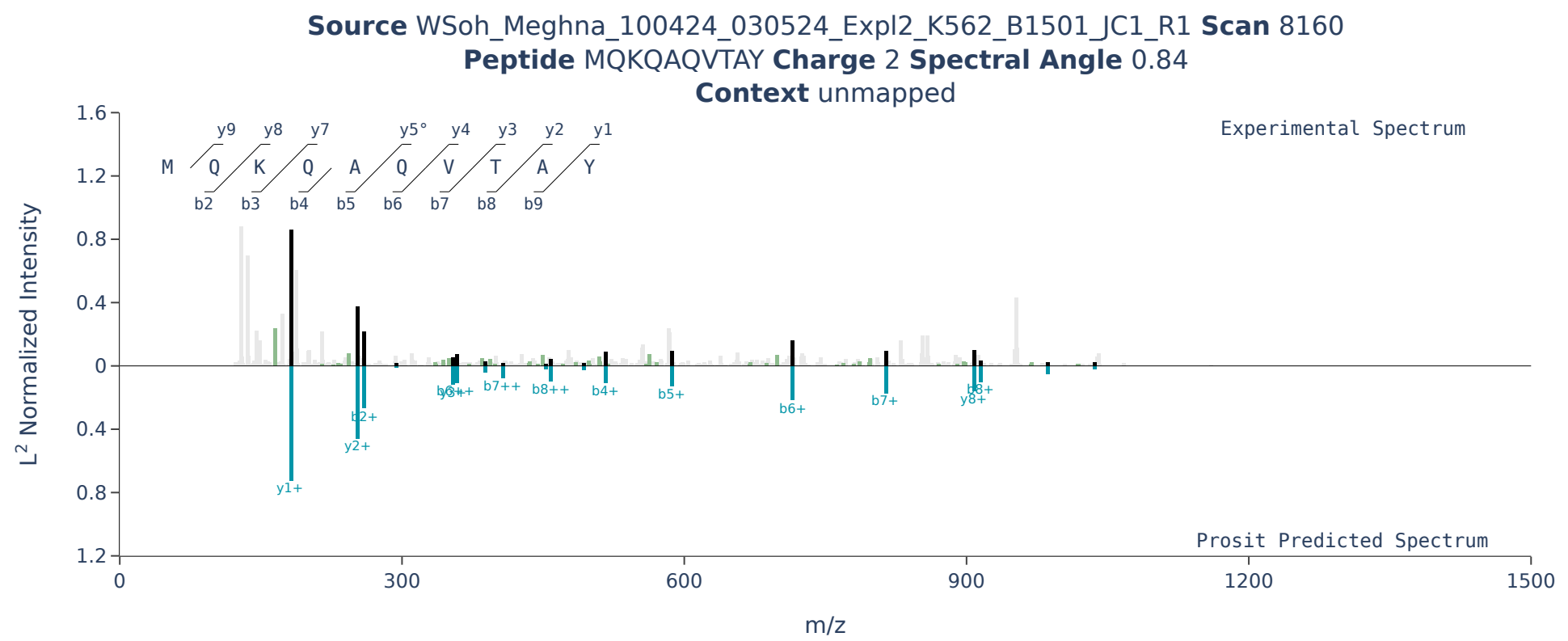
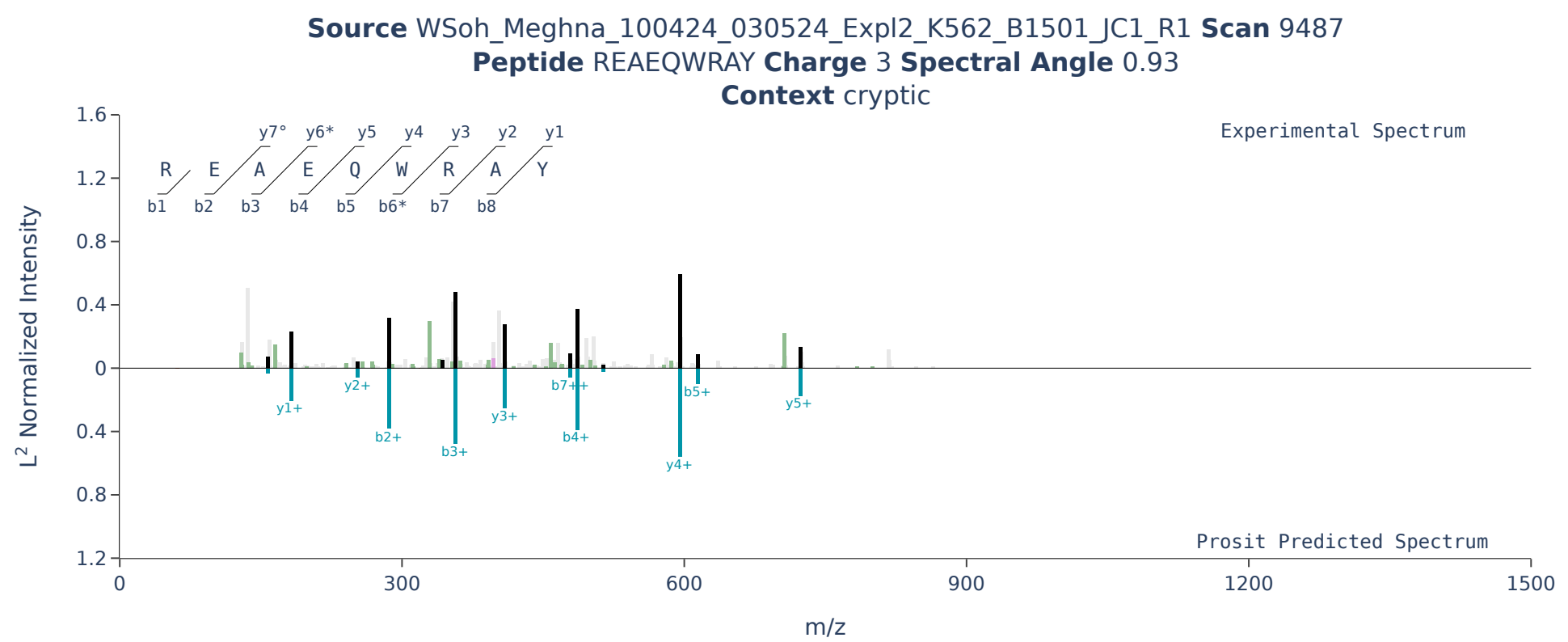




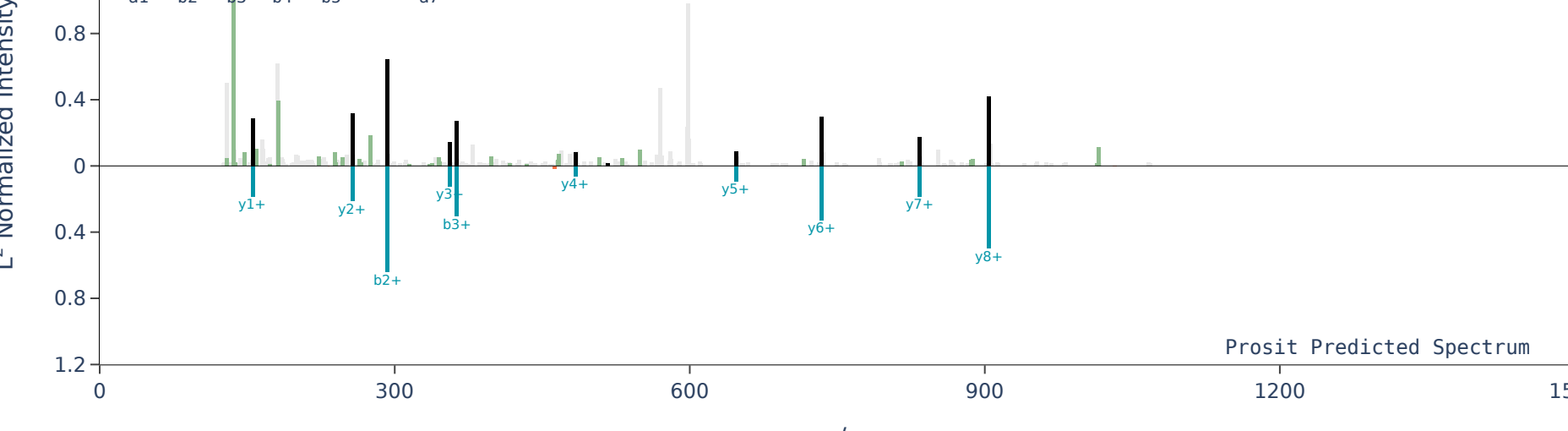




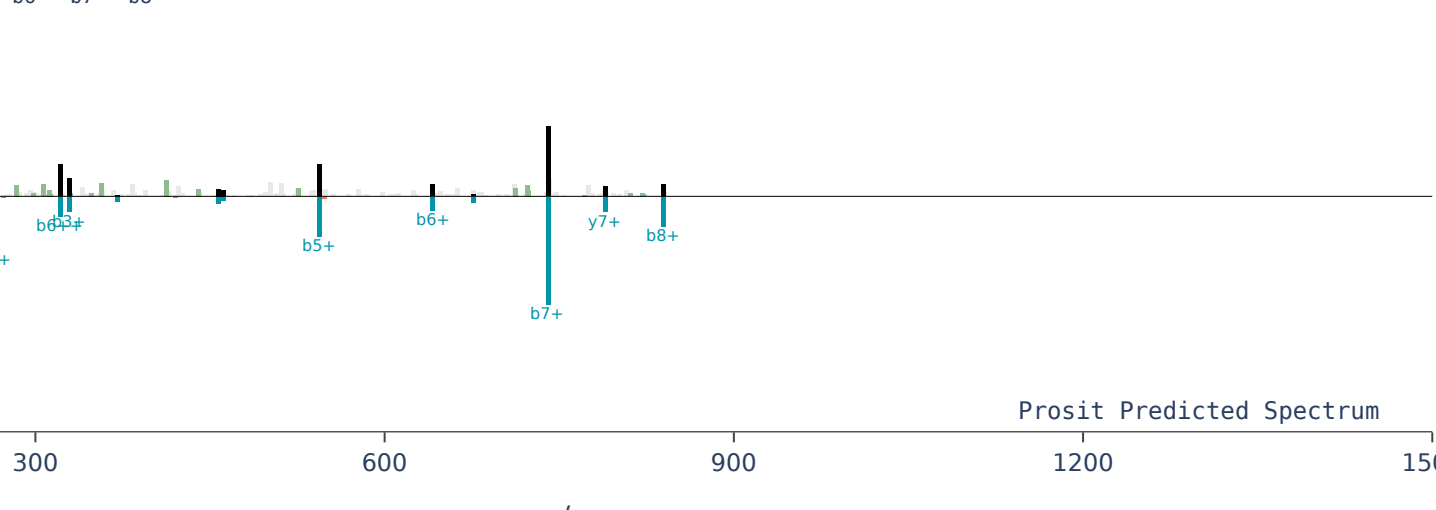




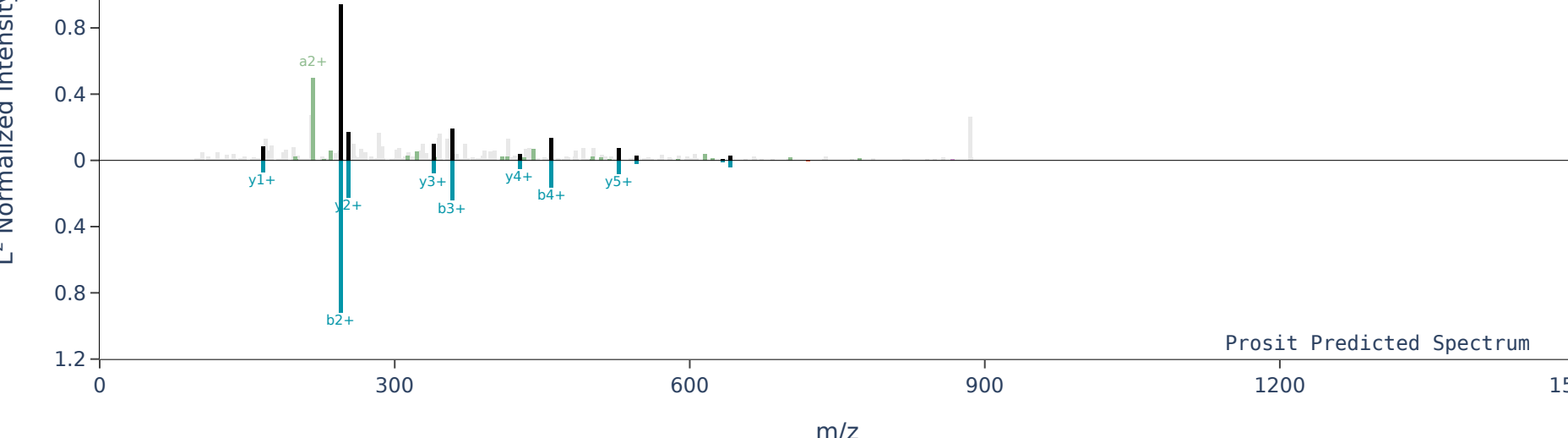
Peptide YQAVSYQVTH Charge 2 Spectral Angle 0.89



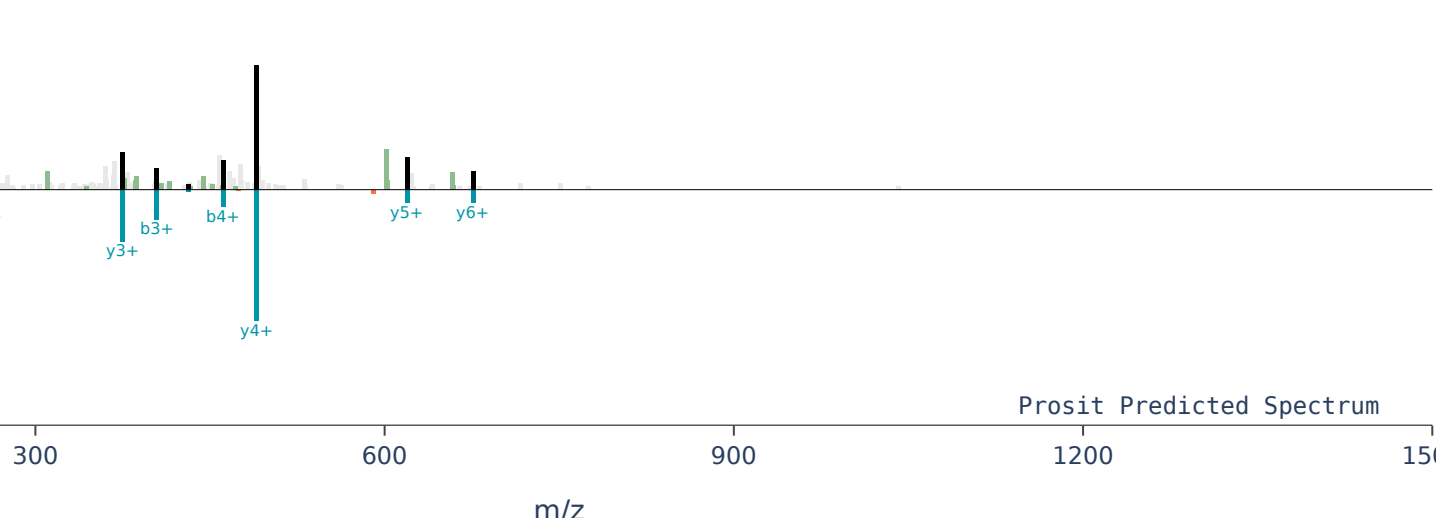
**Peptide** SQLKSPVVF **Charge** 2 **Spectral Angle** 0.81



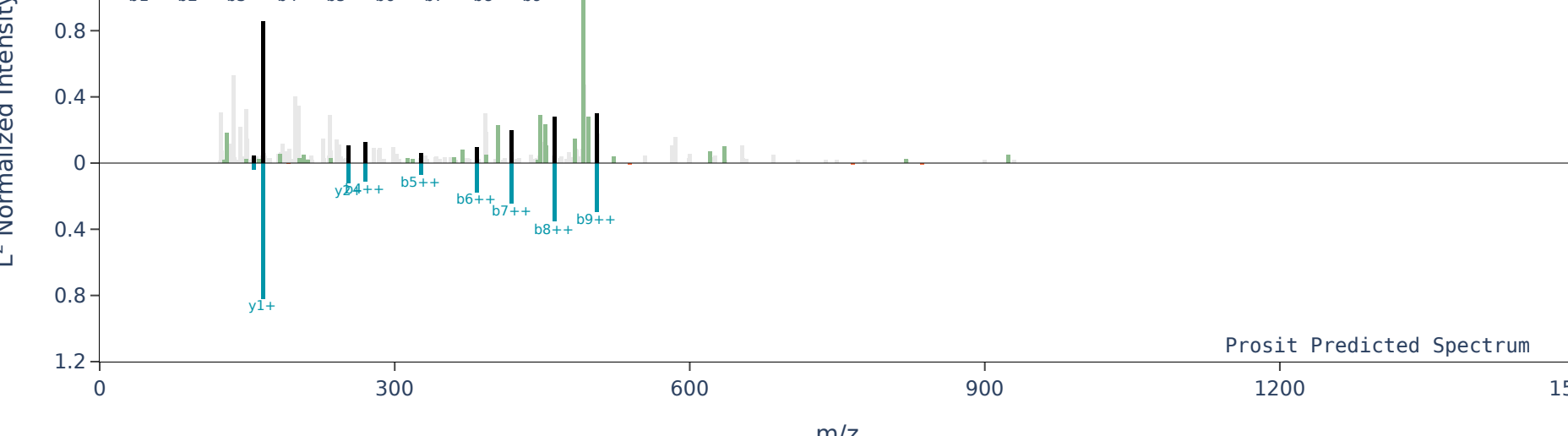
**Peptide** LMLTSSSF **Charge** 1 **Spectral Angle** 0.94



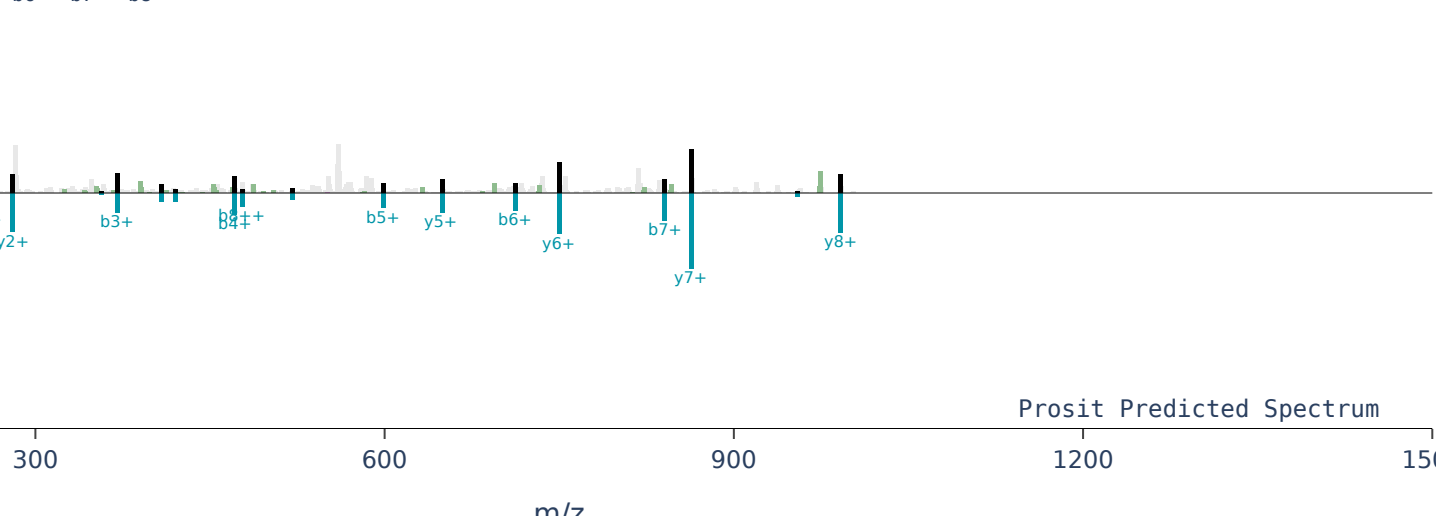
Peptide KQFGEDRSL Charge 3 Spectral Angle 0.89



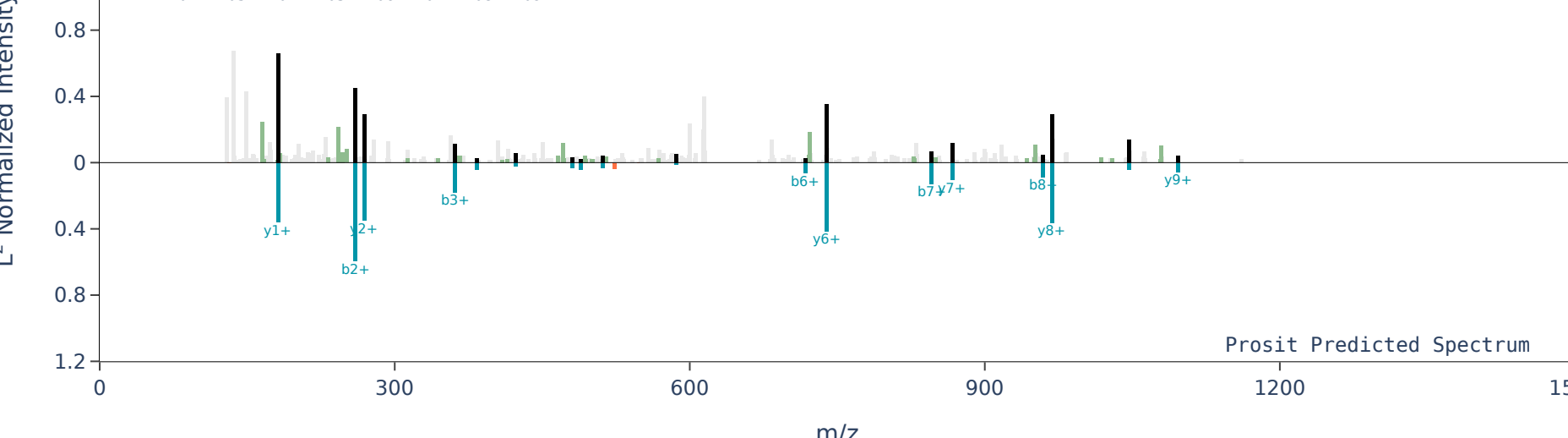
**Peptide** RLLRLLASSF **Charge** 3 **Spectral Angle** 0.92



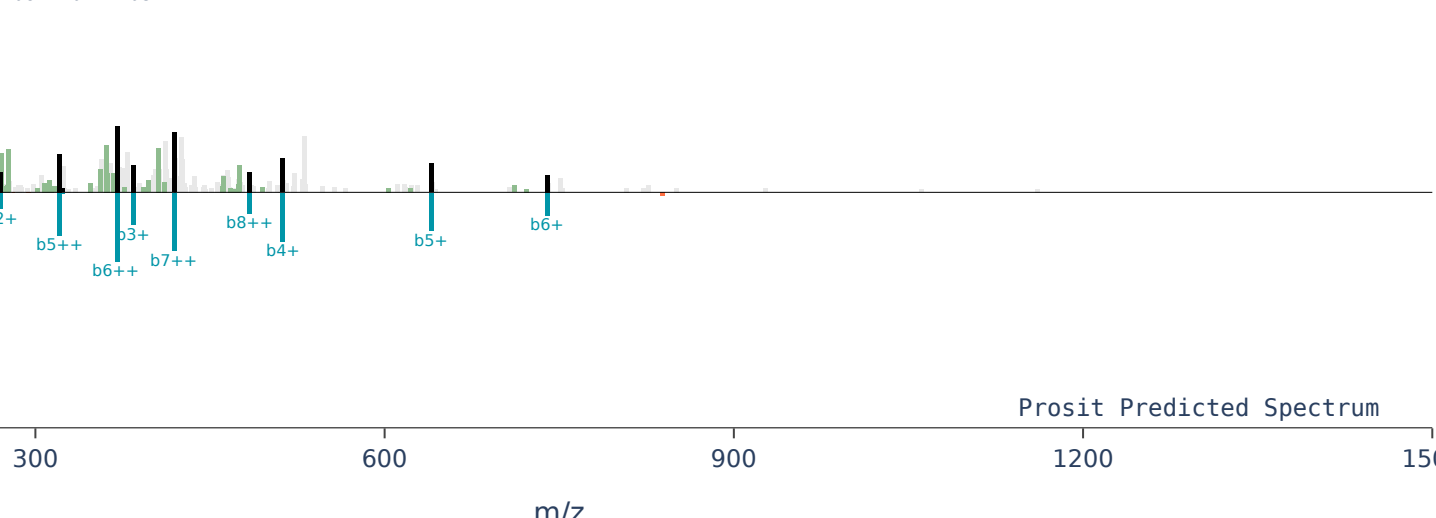
**Peptide** KQLTKLQNF **Charge** 2 **Spectral Angle** 0.82



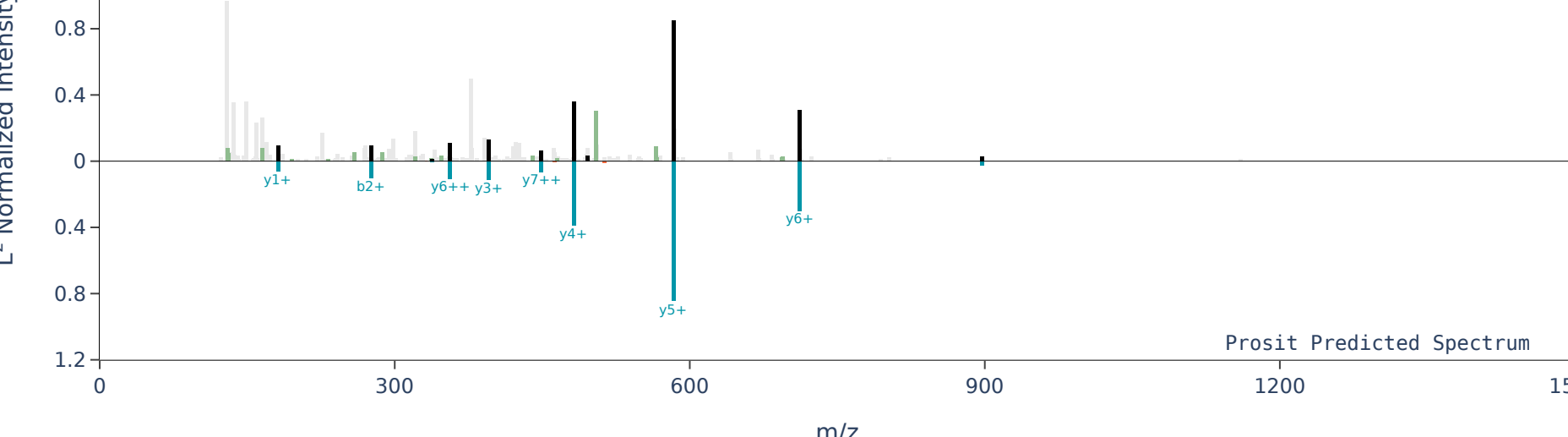
Peptide MQTKPMQNSY Charge 2 Spectral Angle 0.75



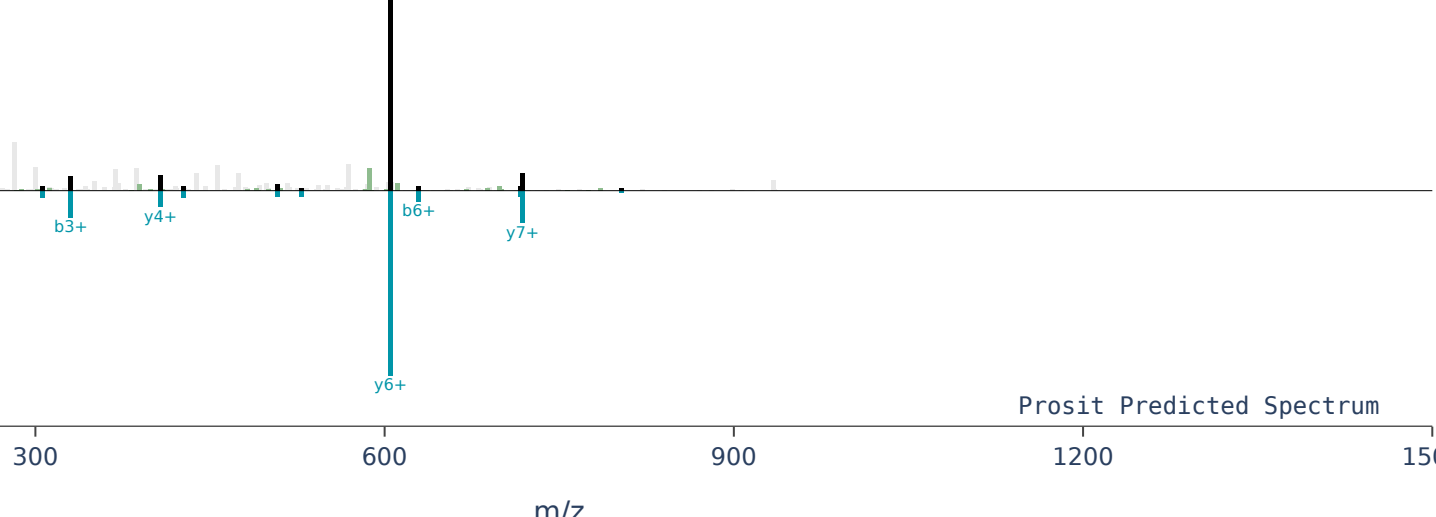
Peptide RLNKKVVQF Charge 3 Spectral Angle 0.92

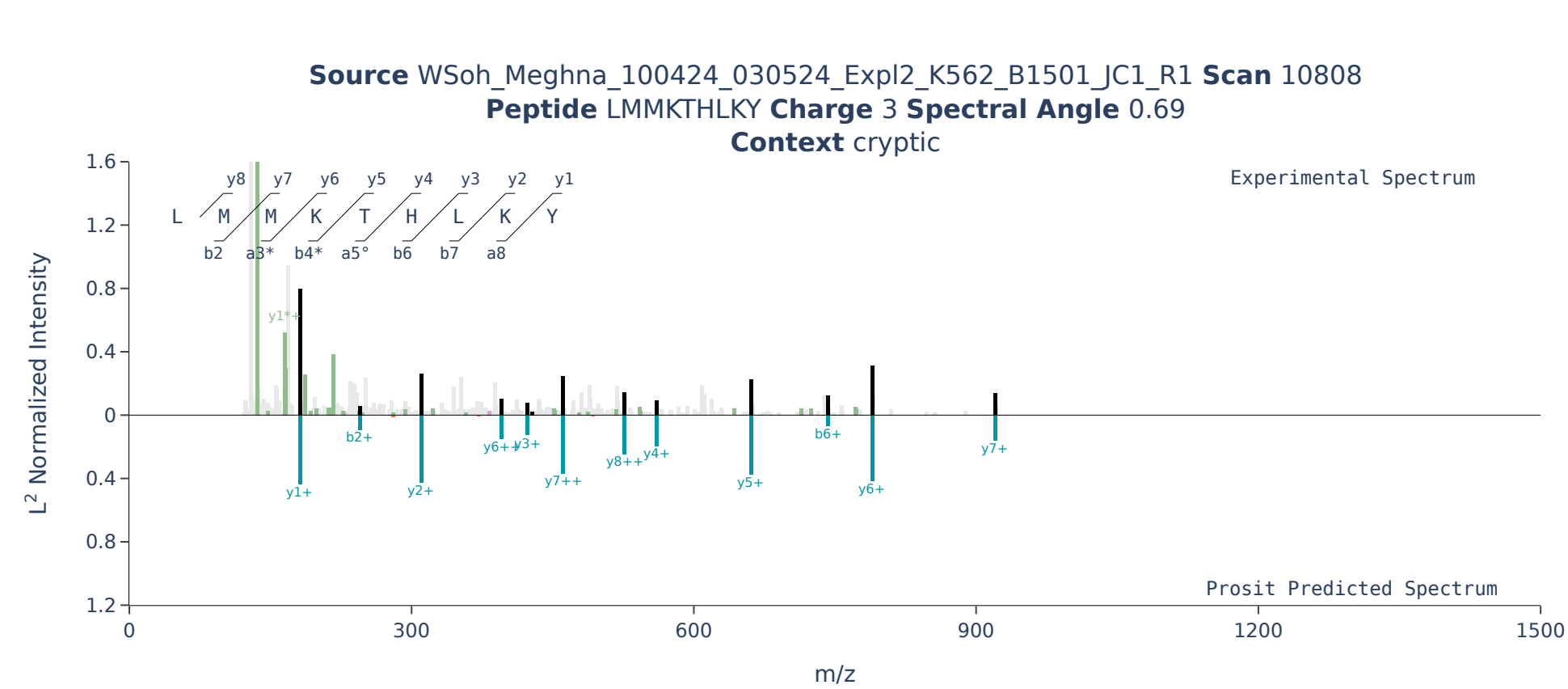


Peptide FQWKTSGRY Charge 3 Spectral Angle 0.97

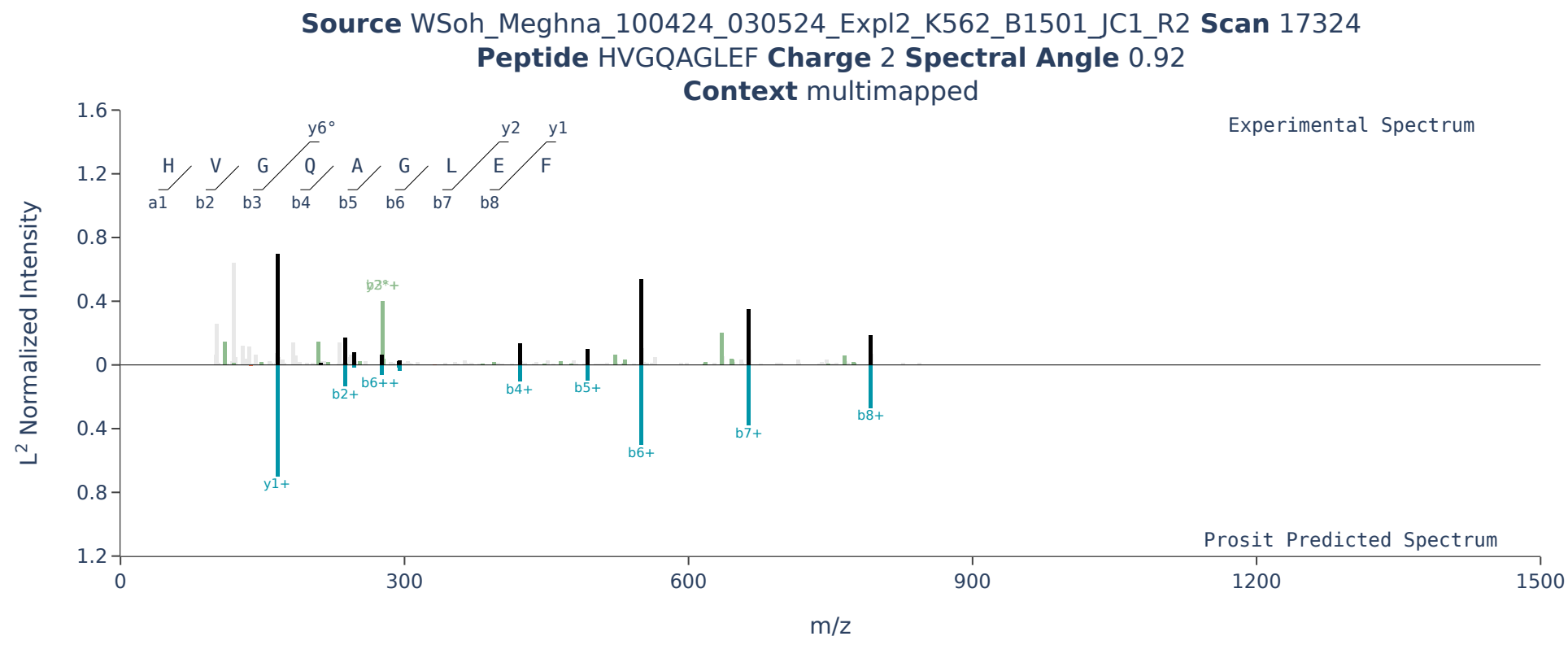
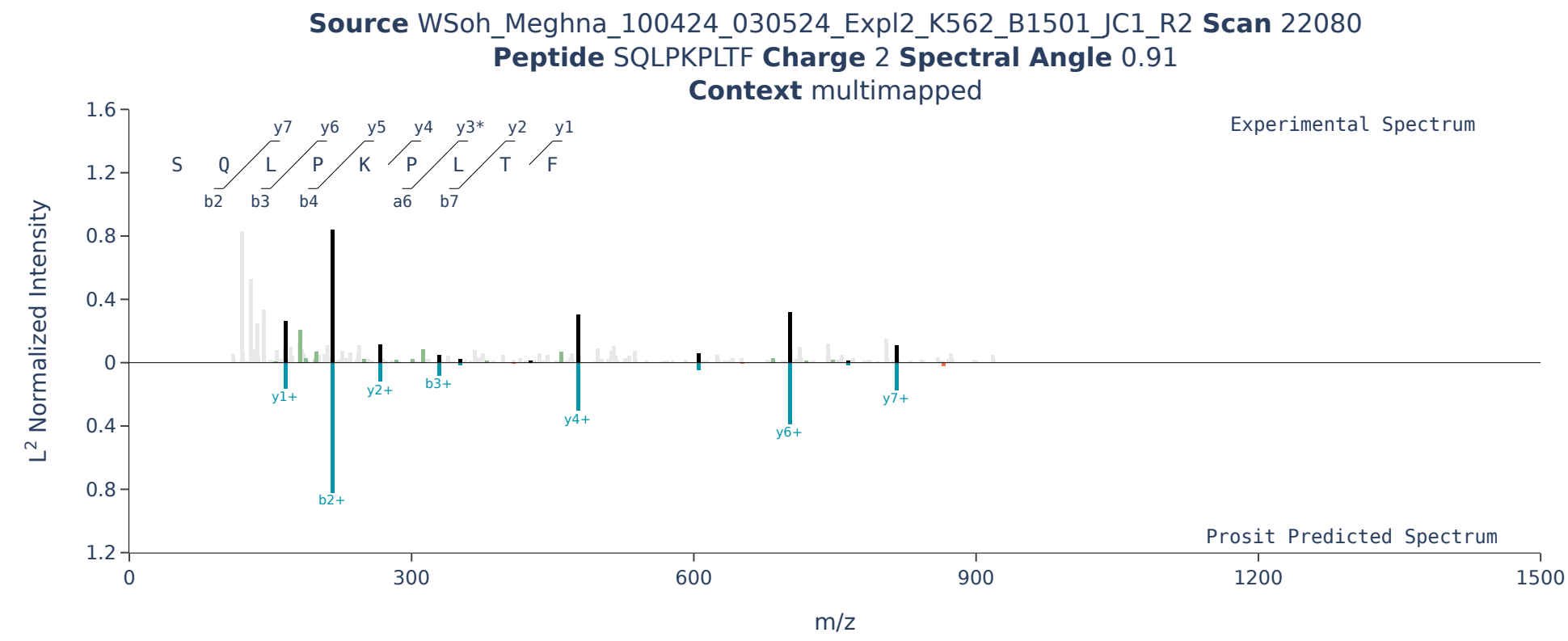
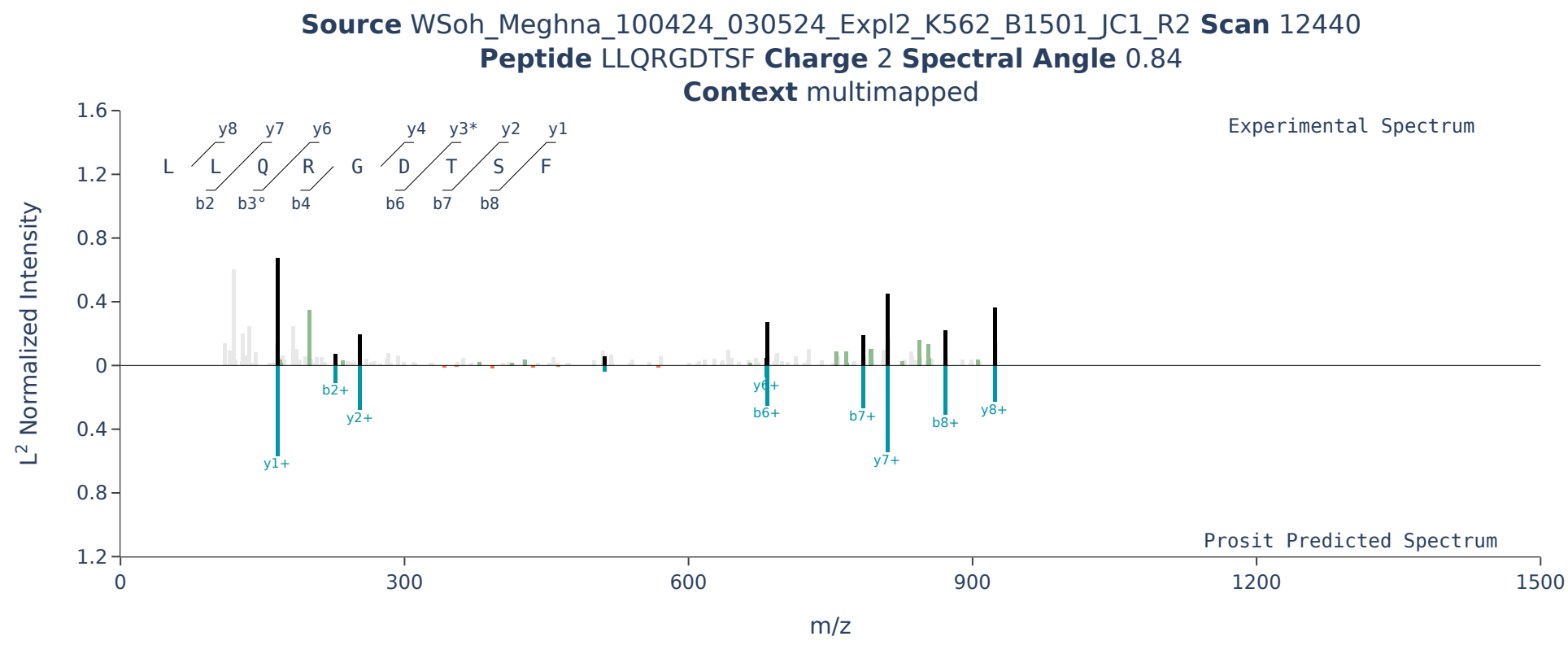
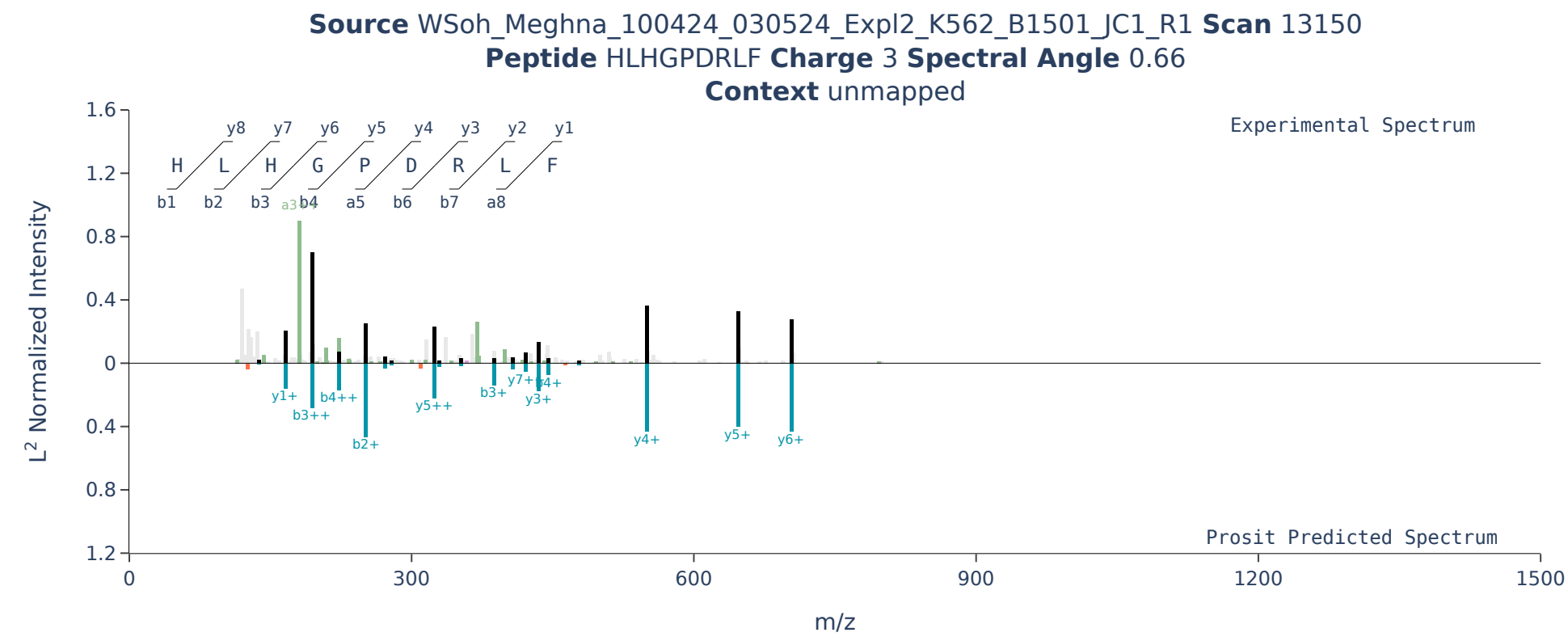
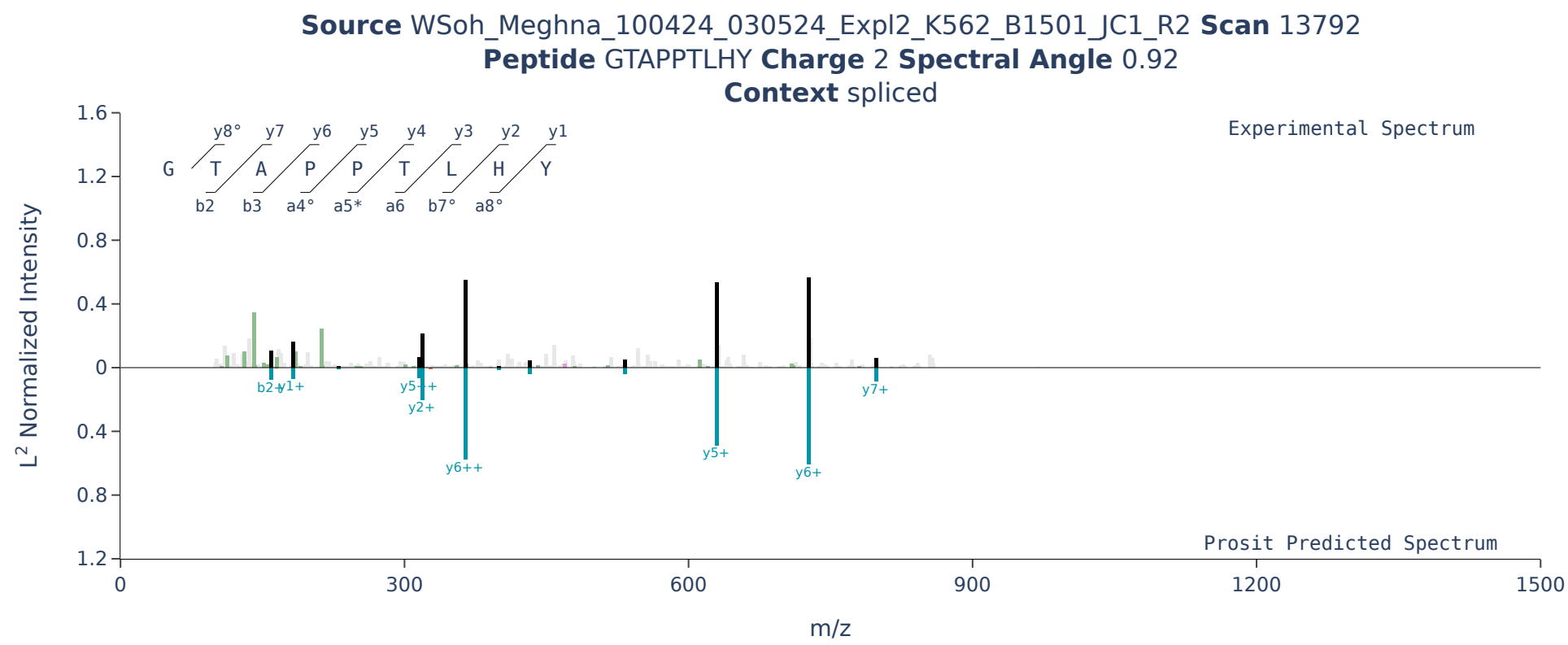
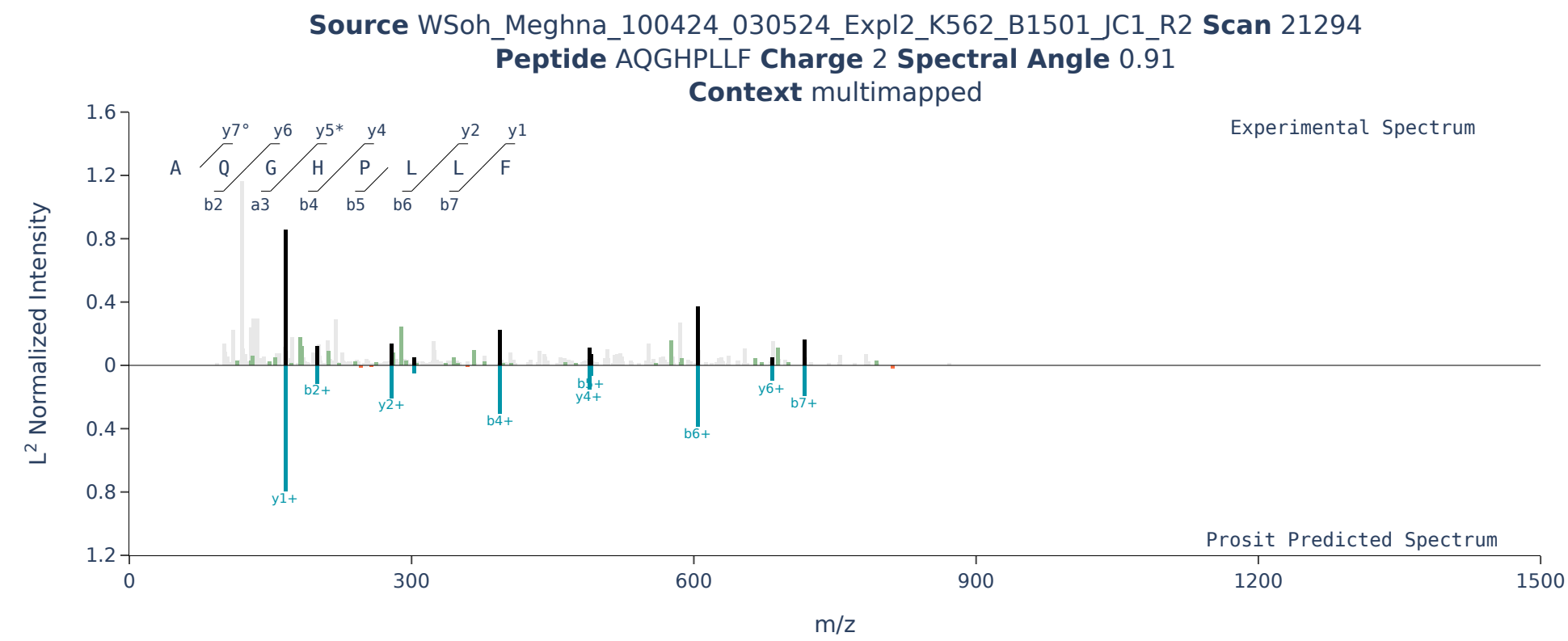
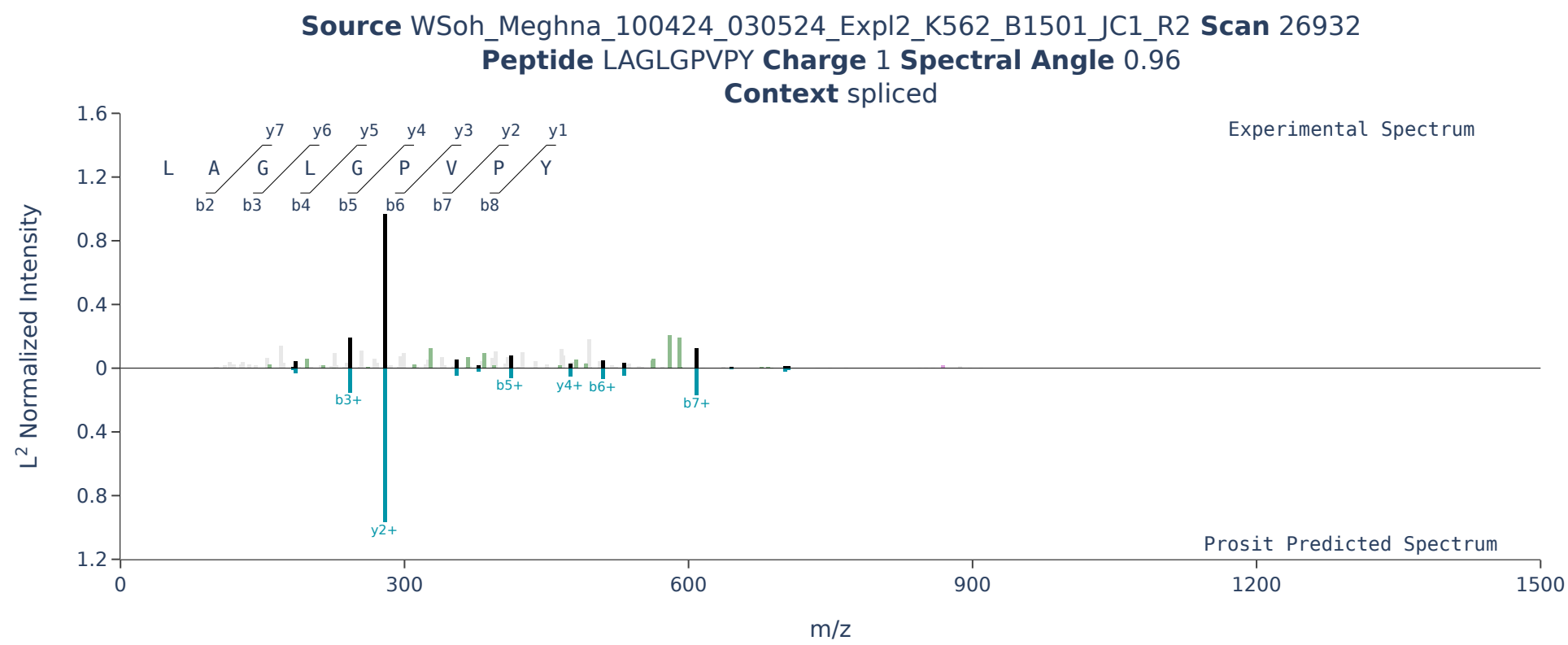
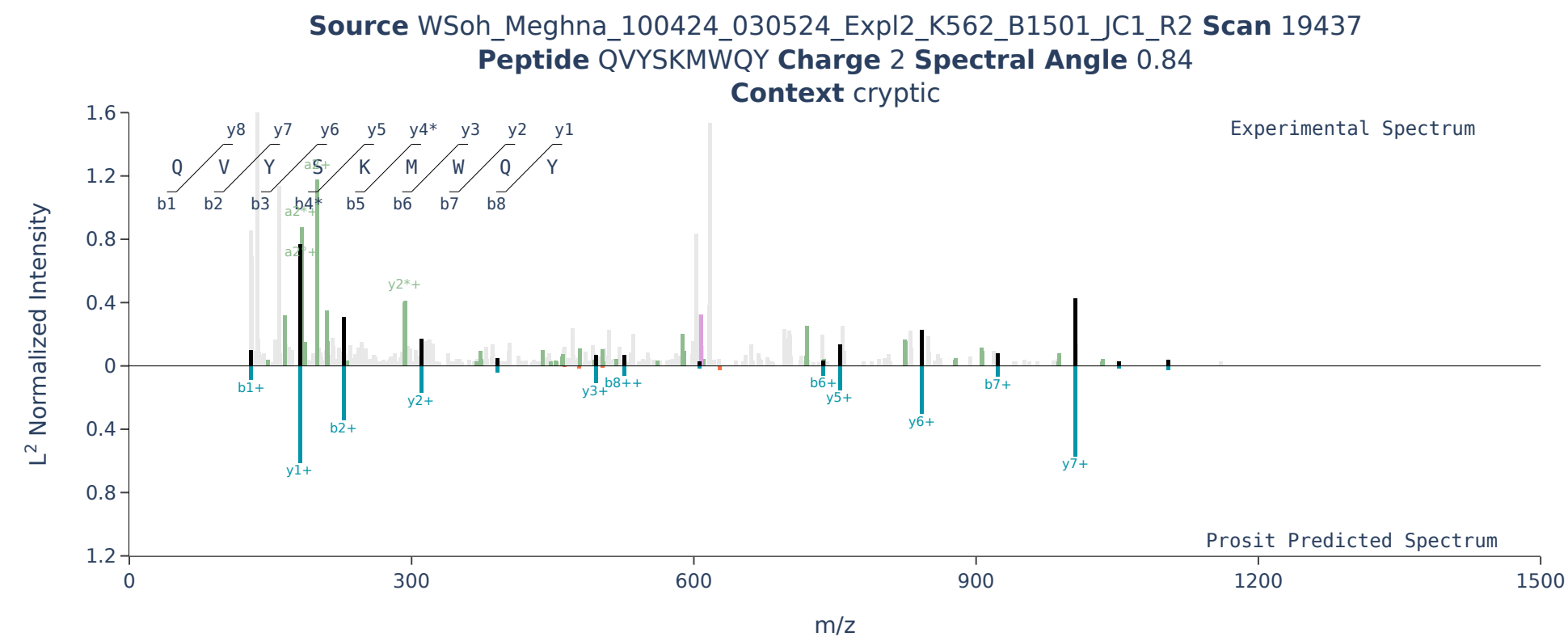
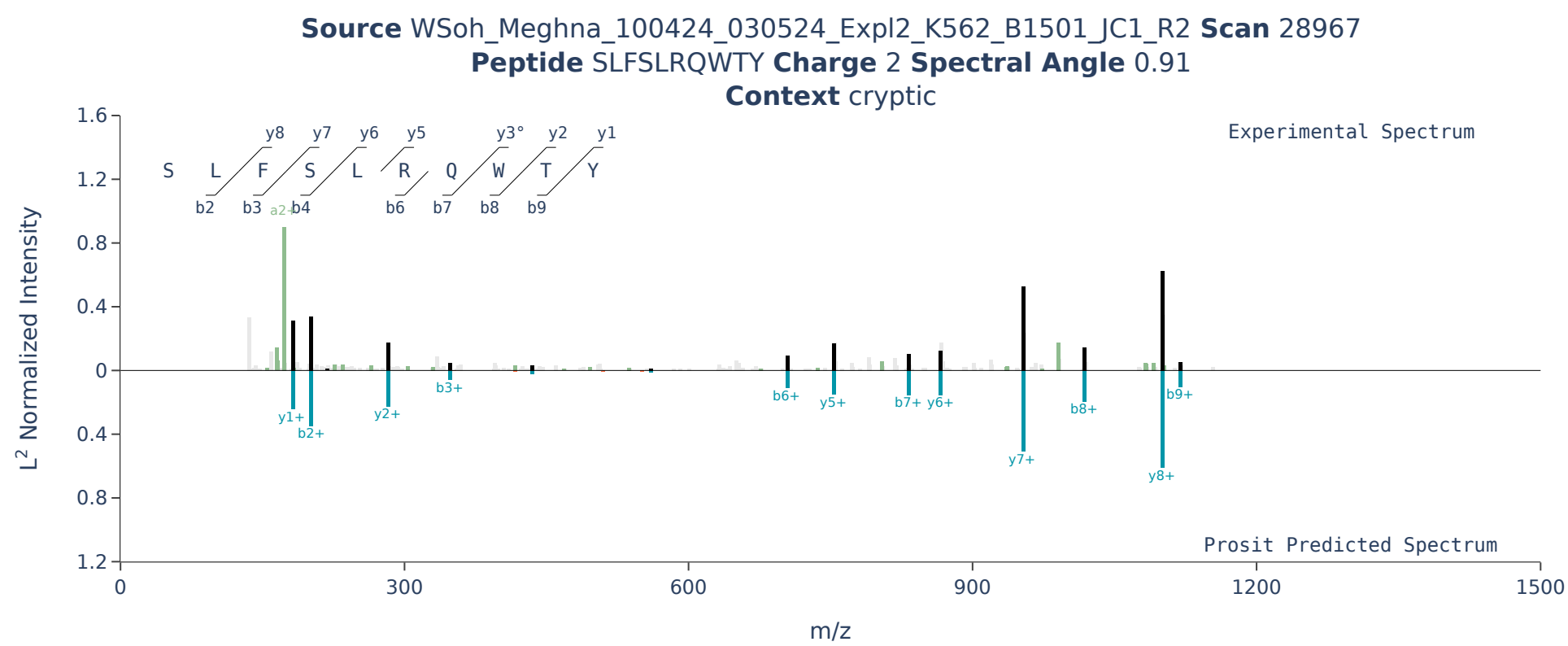
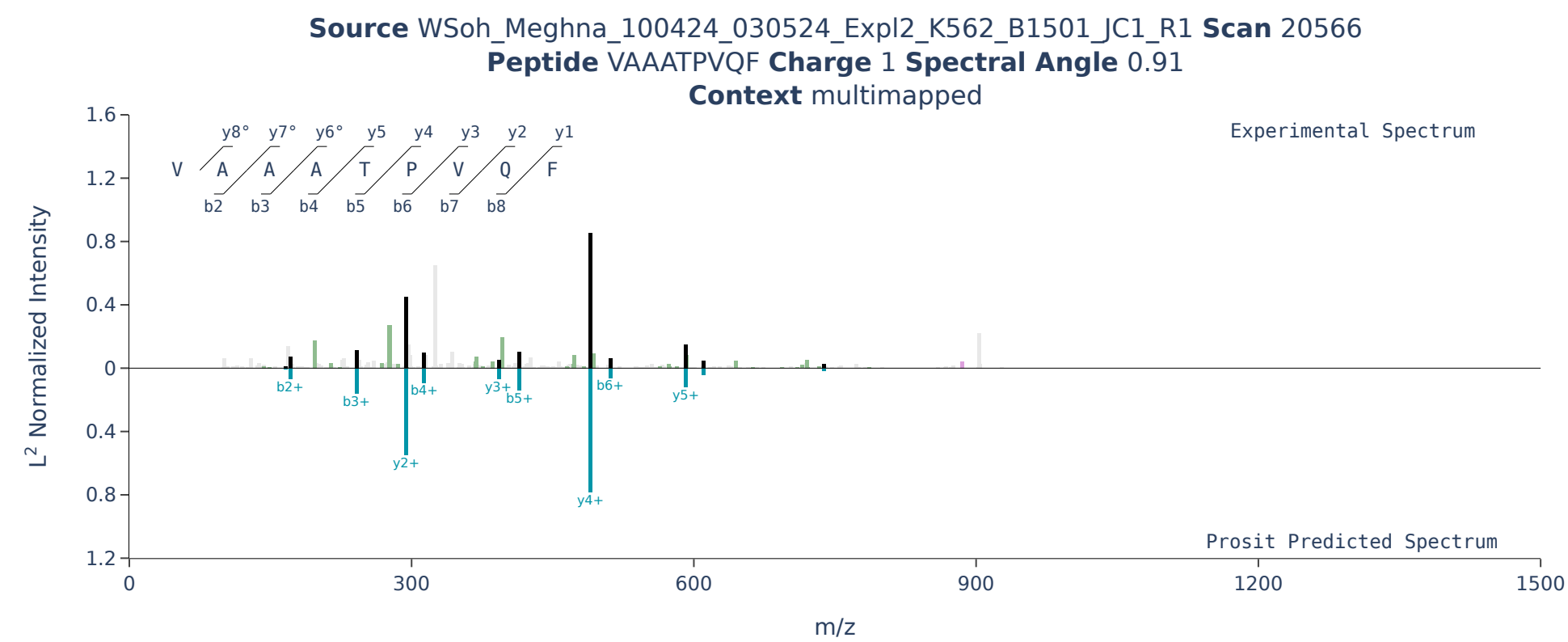


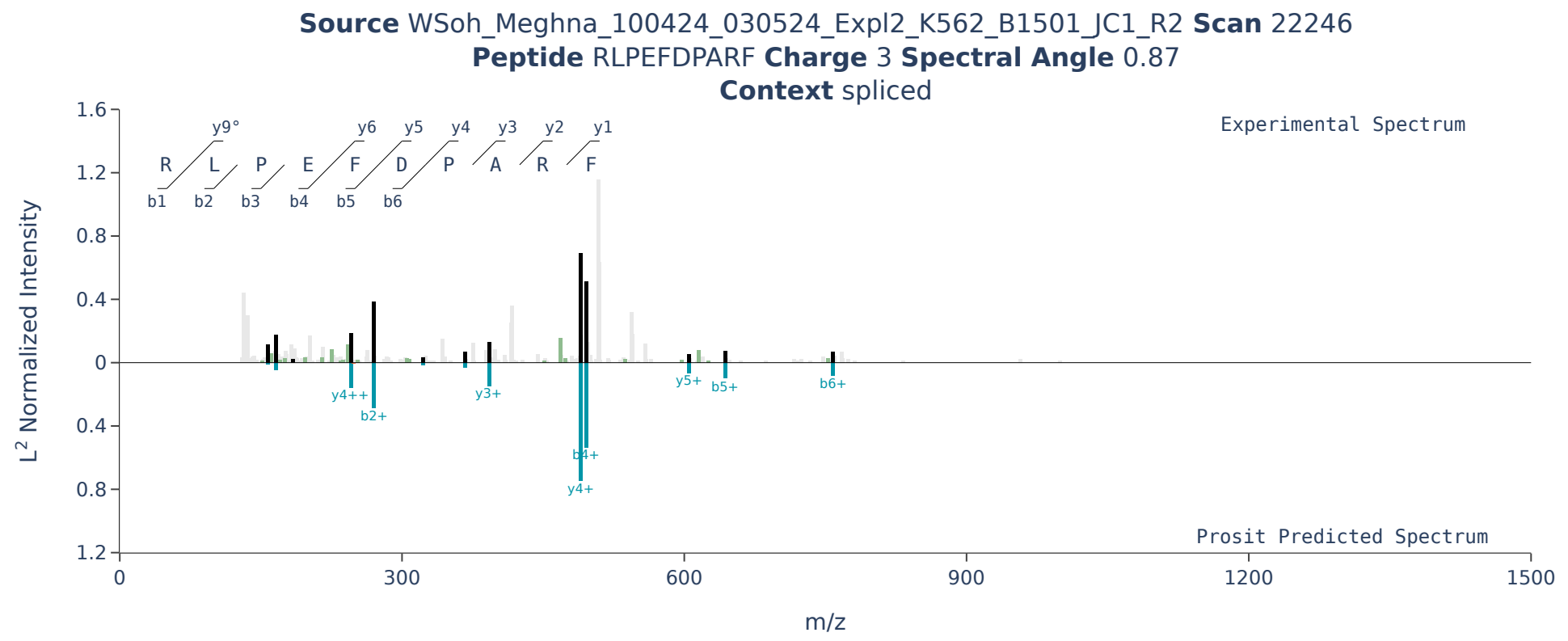
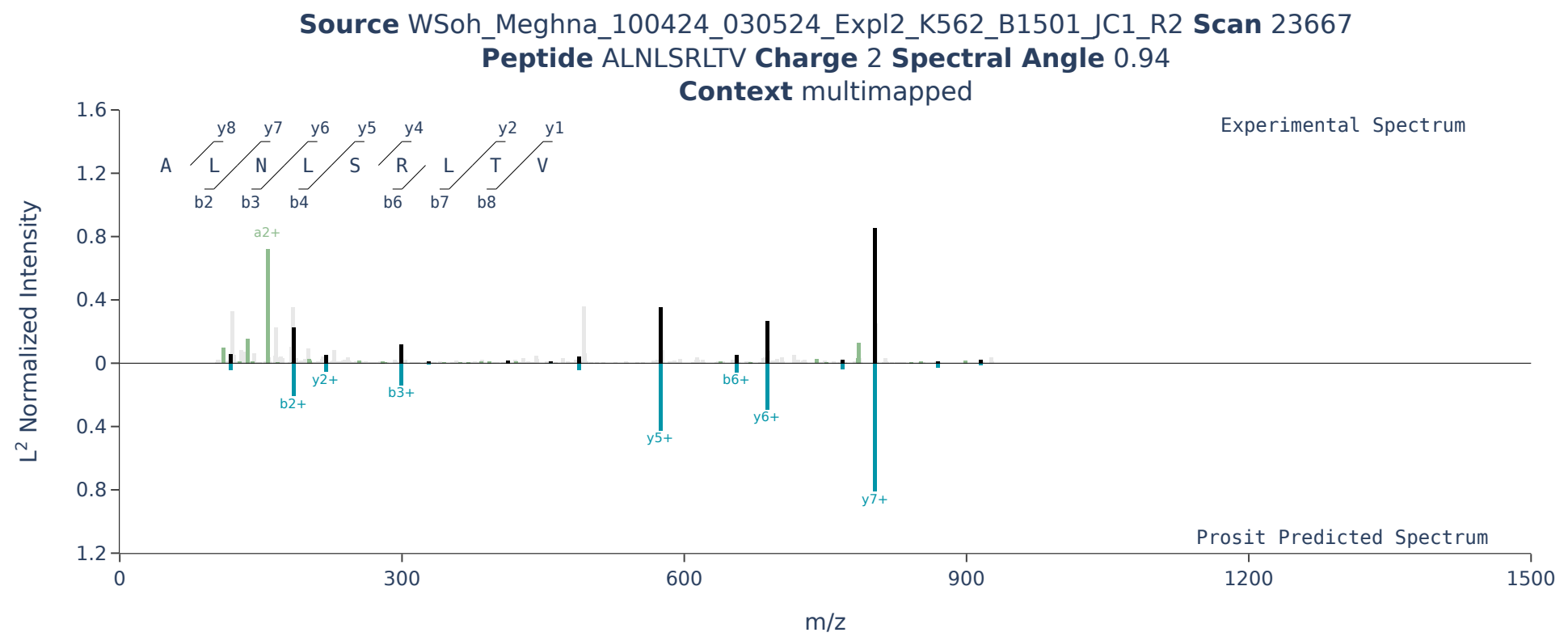
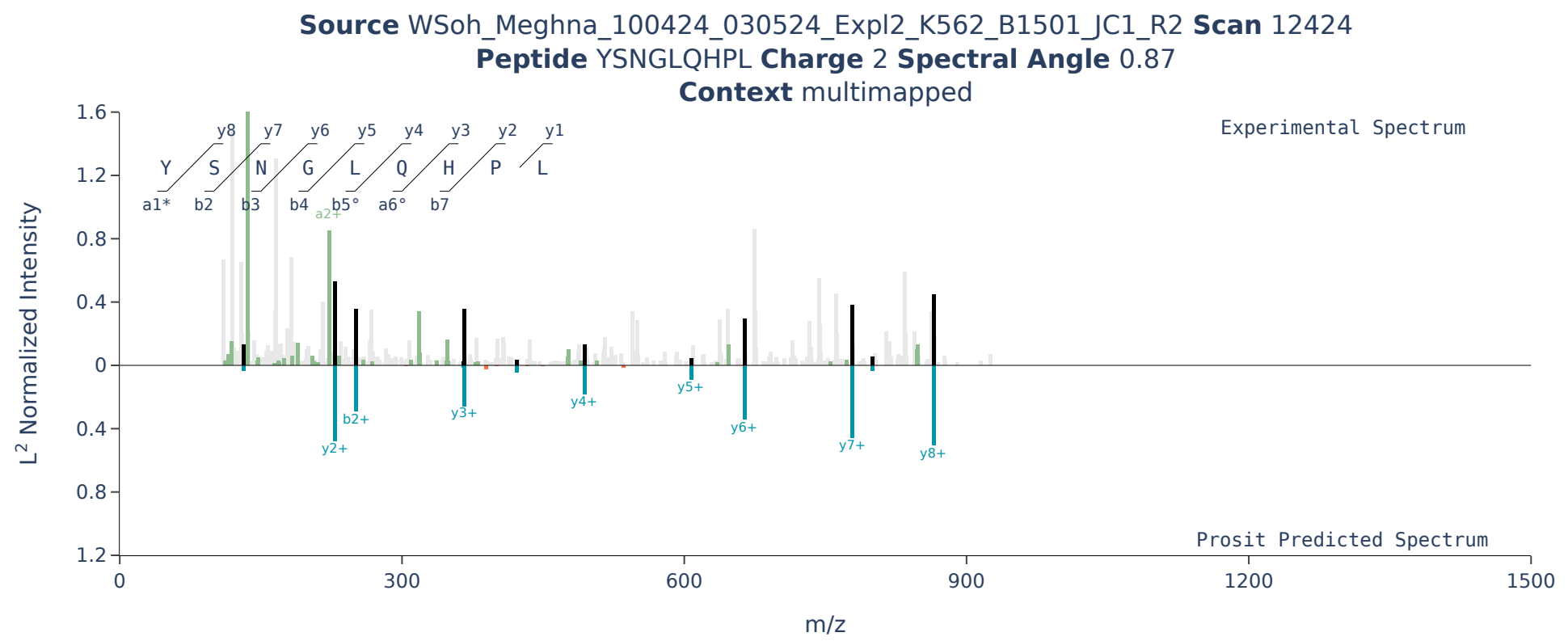
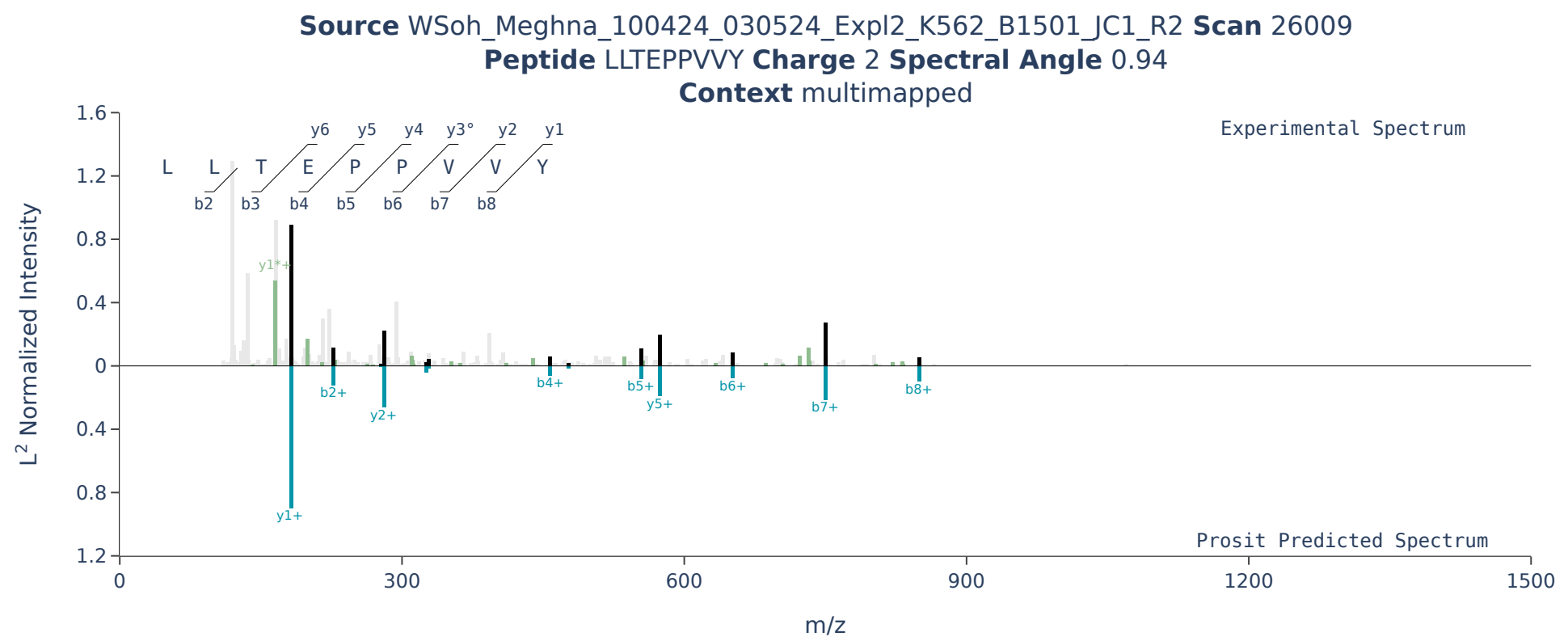
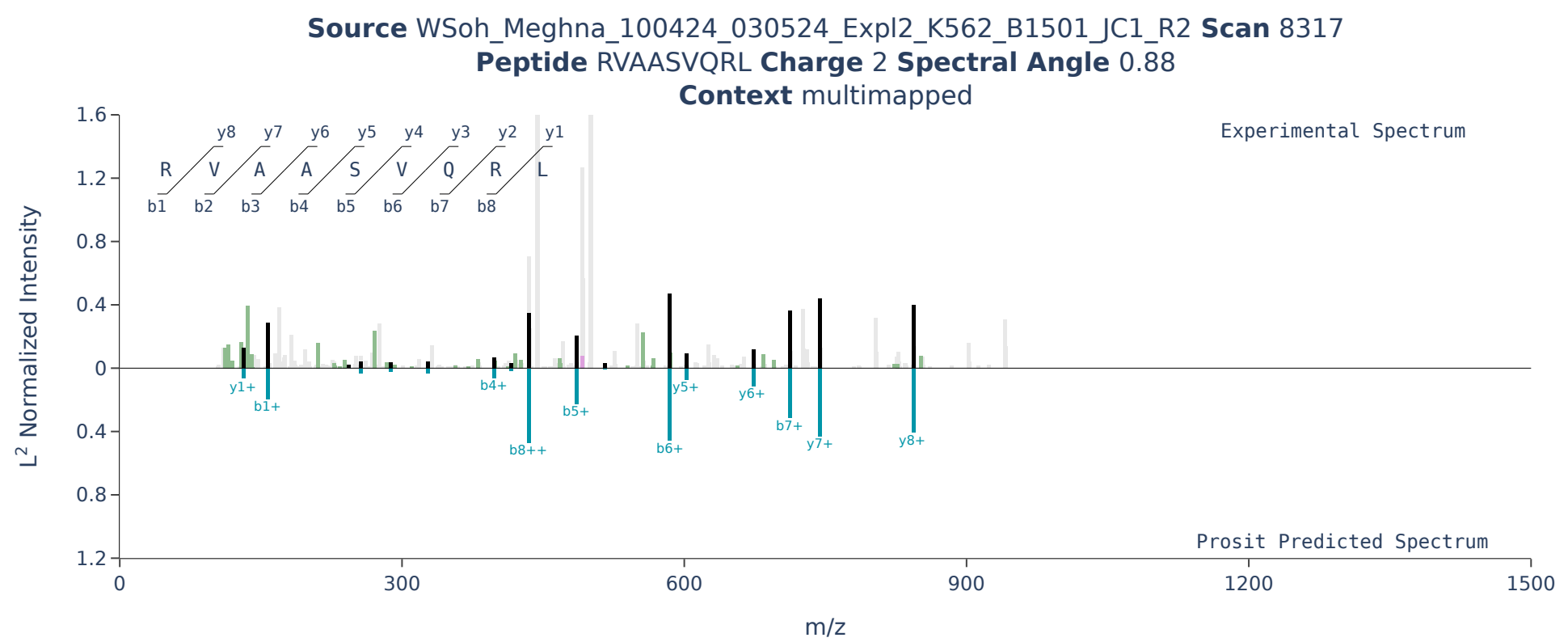
Peptide SELPTTSSL Charge 1 Spectral Angle 0.92

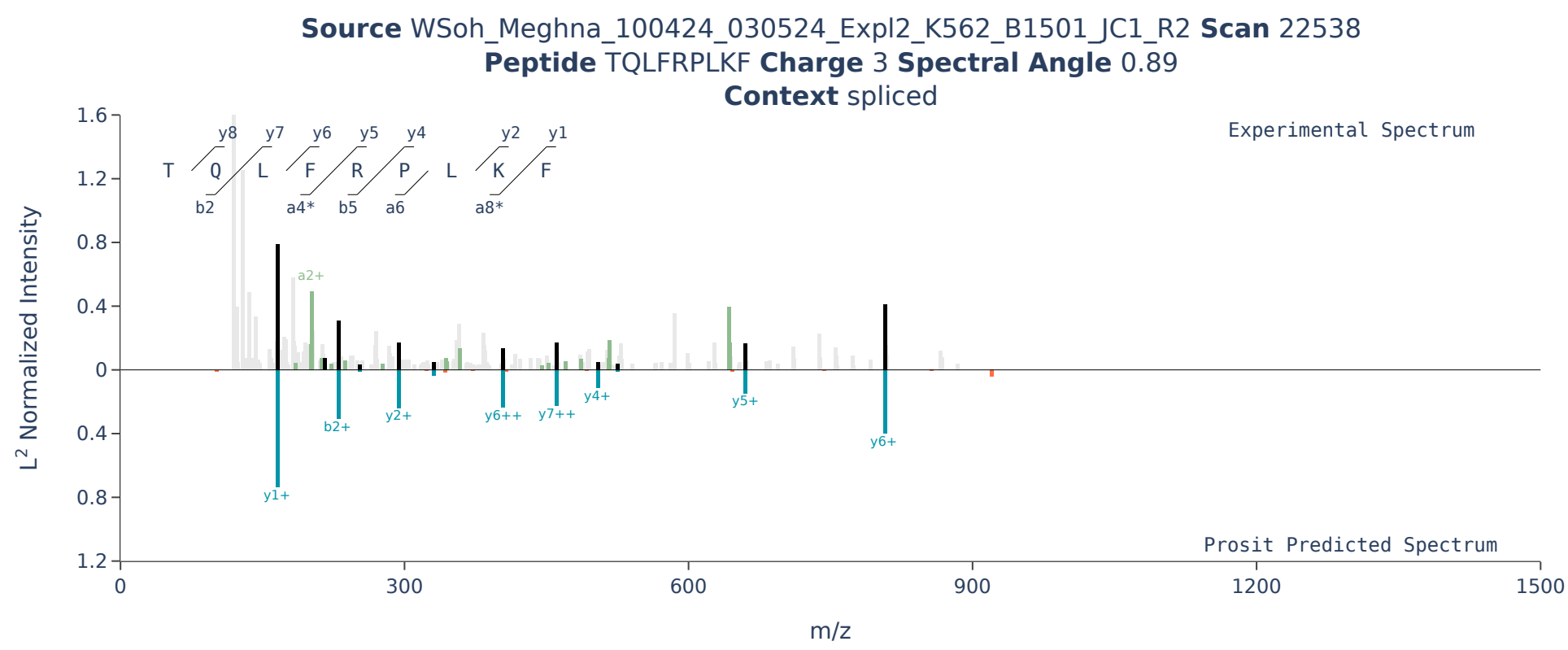
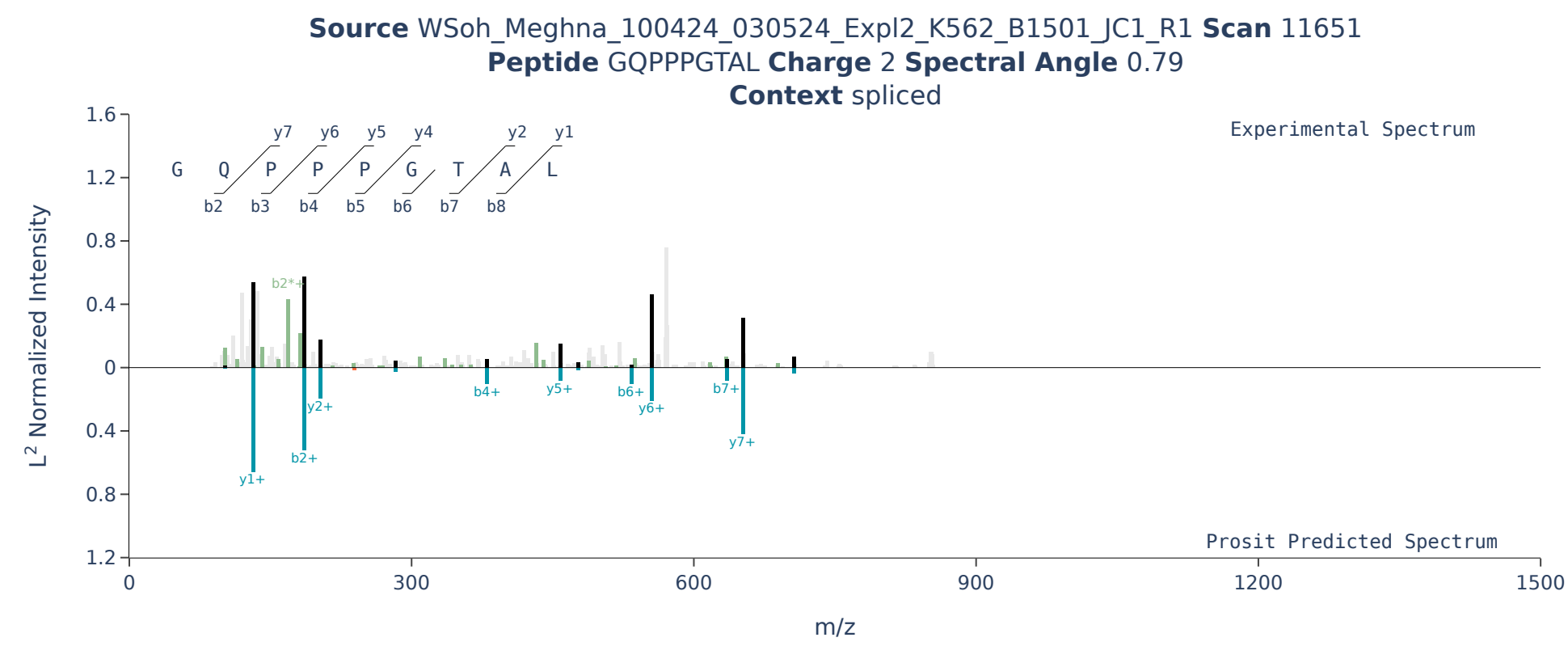
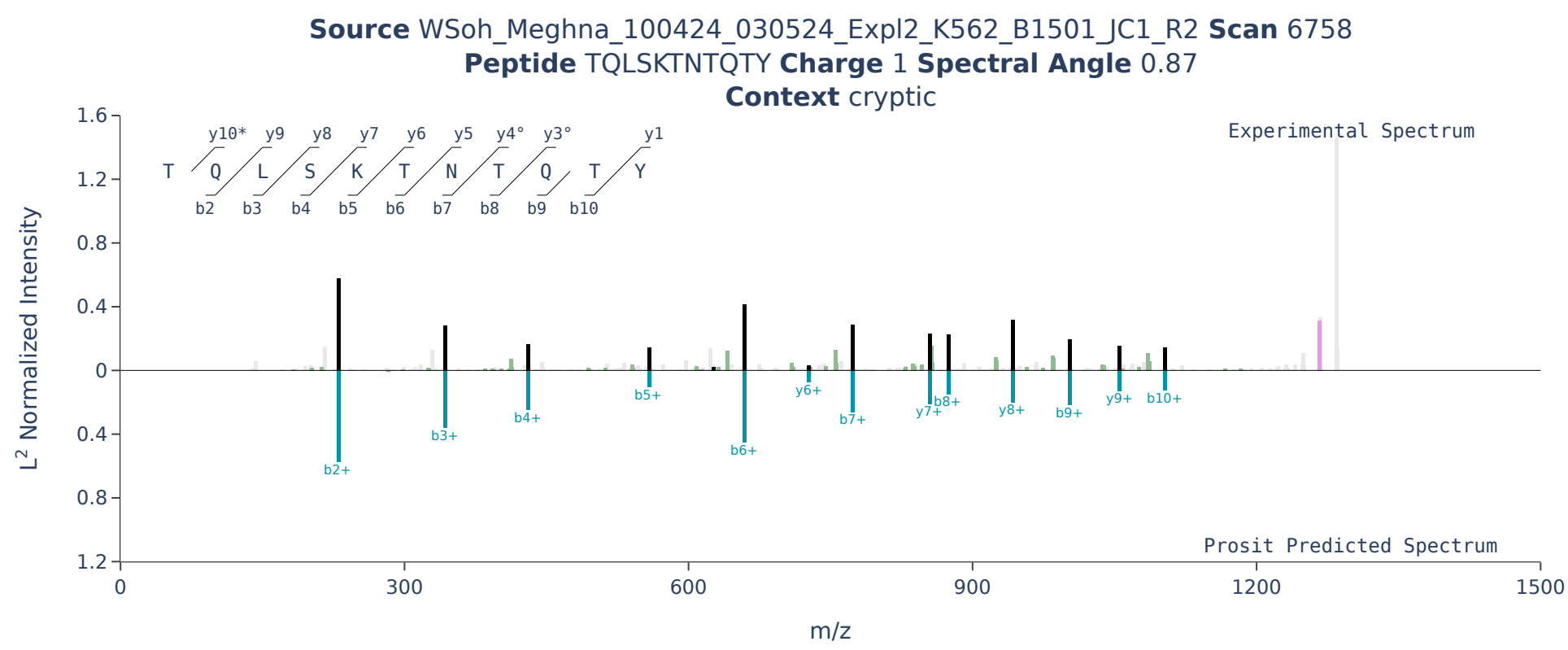
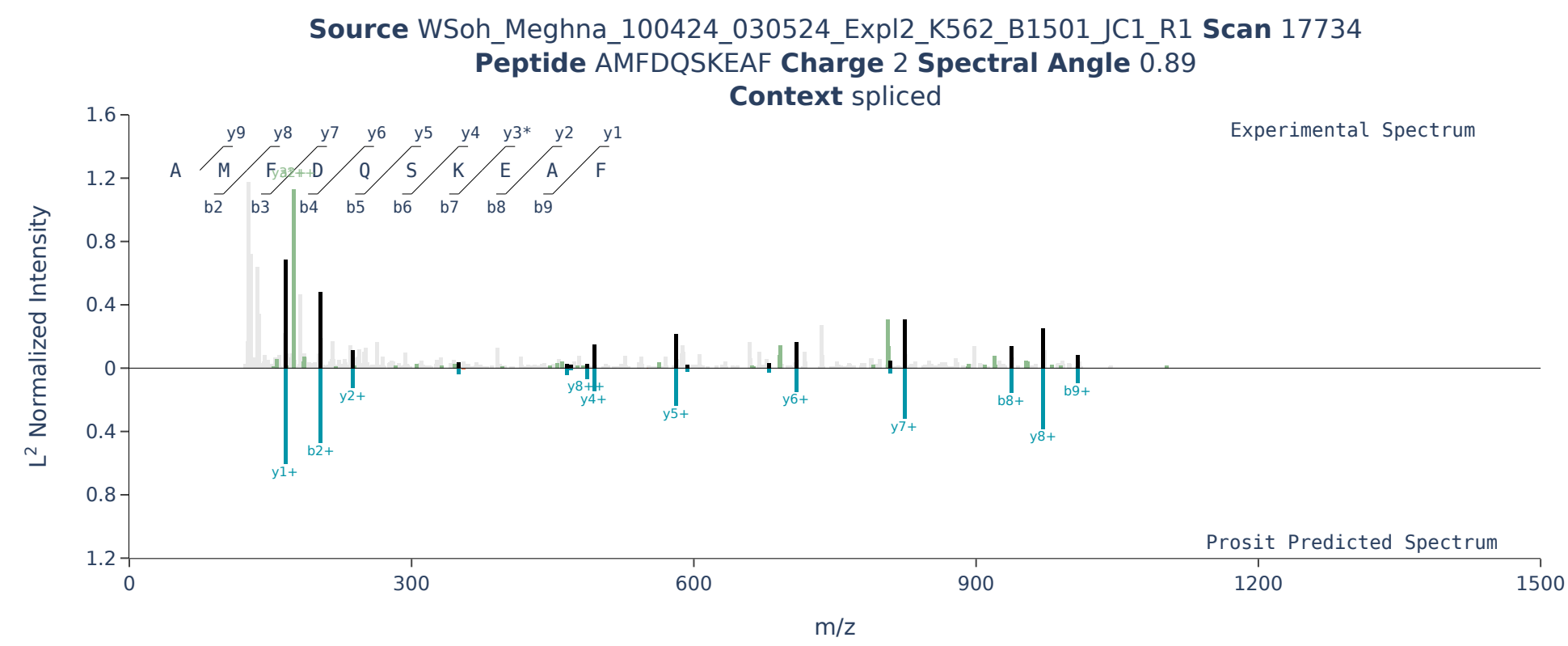
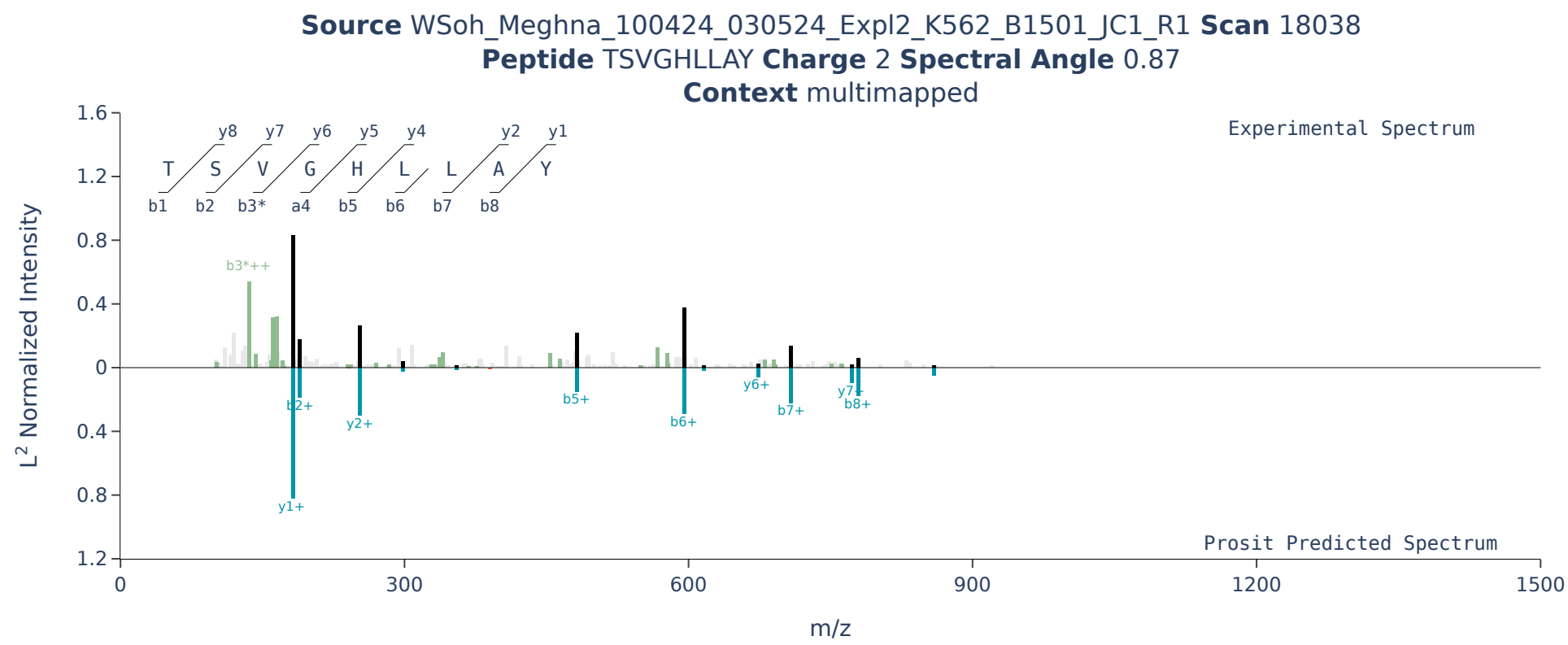
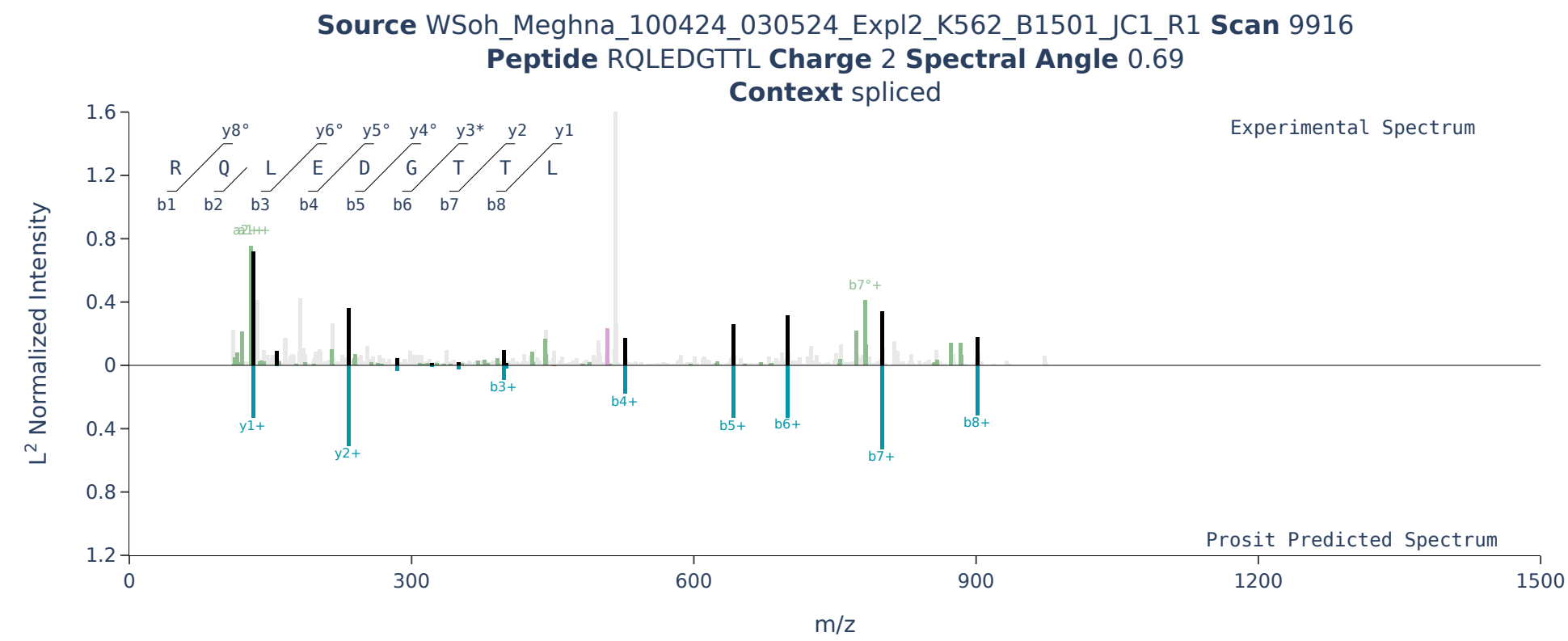
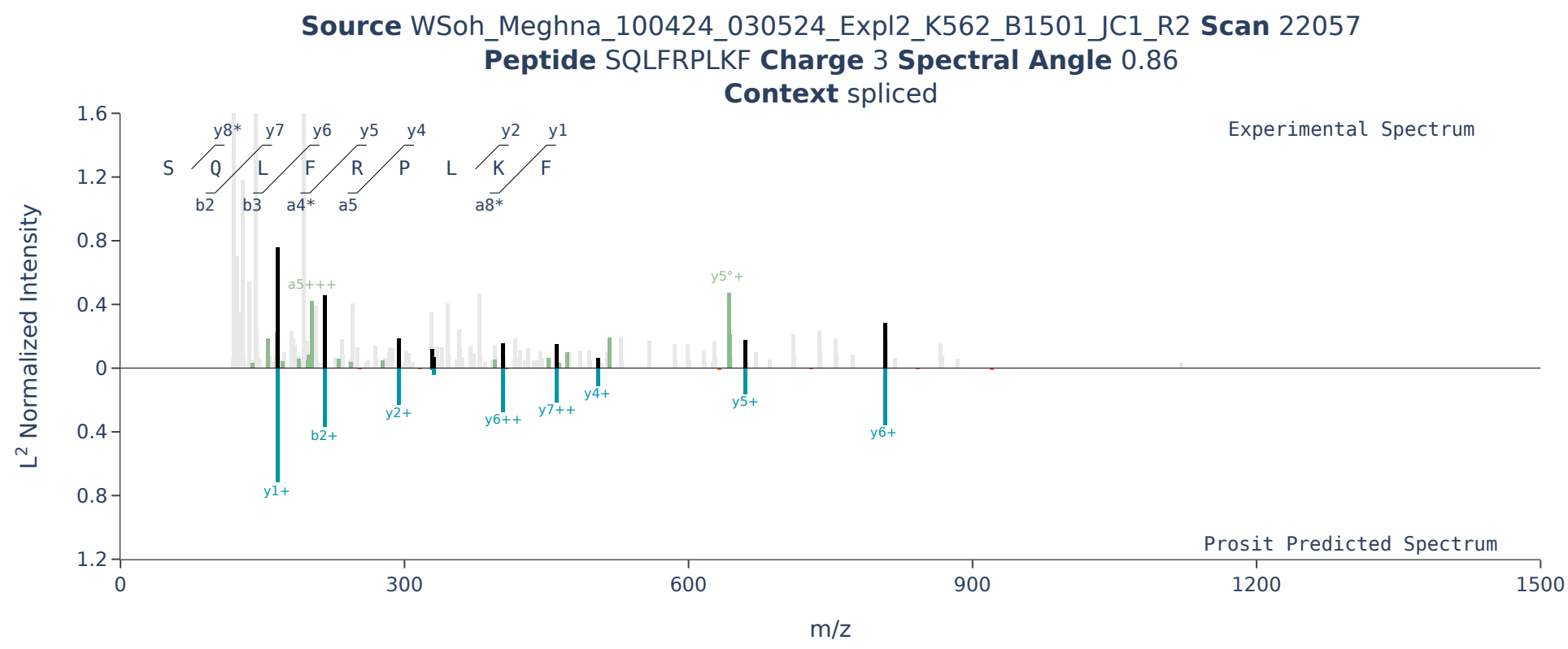
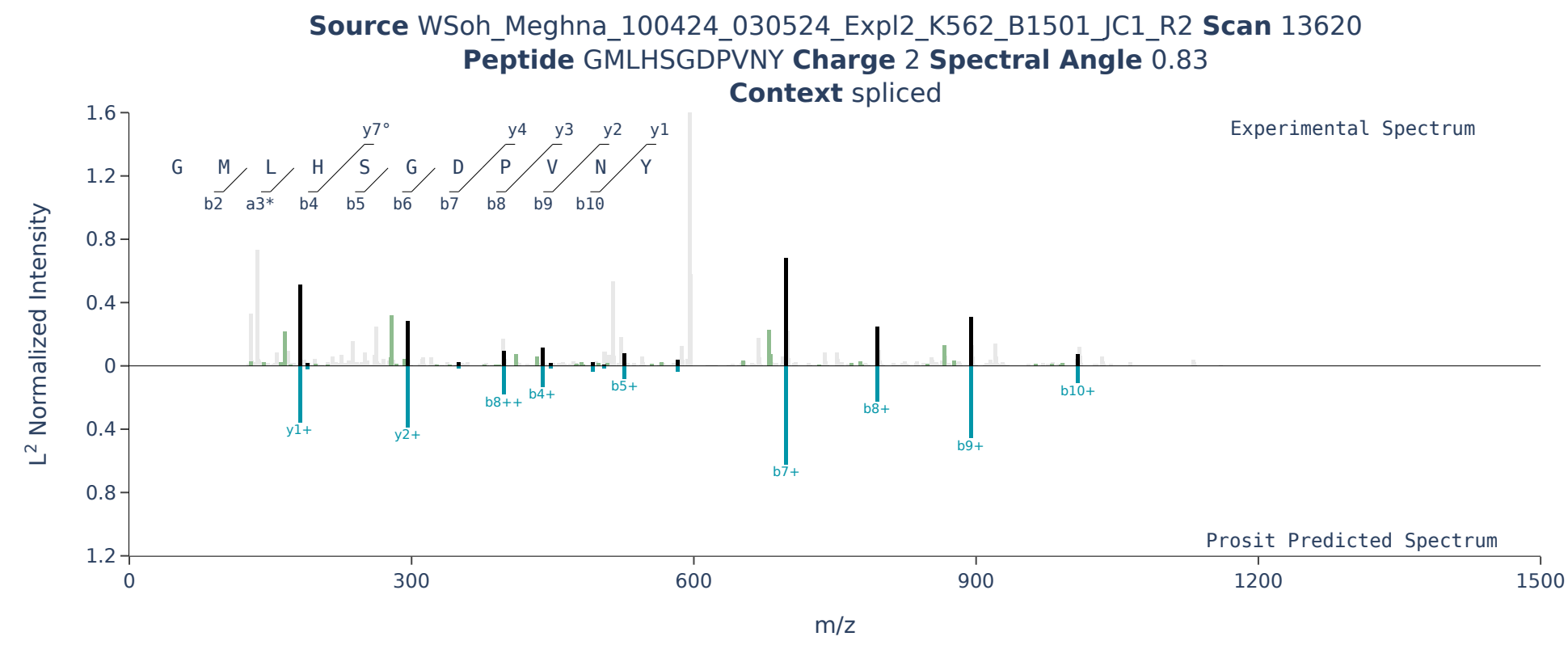
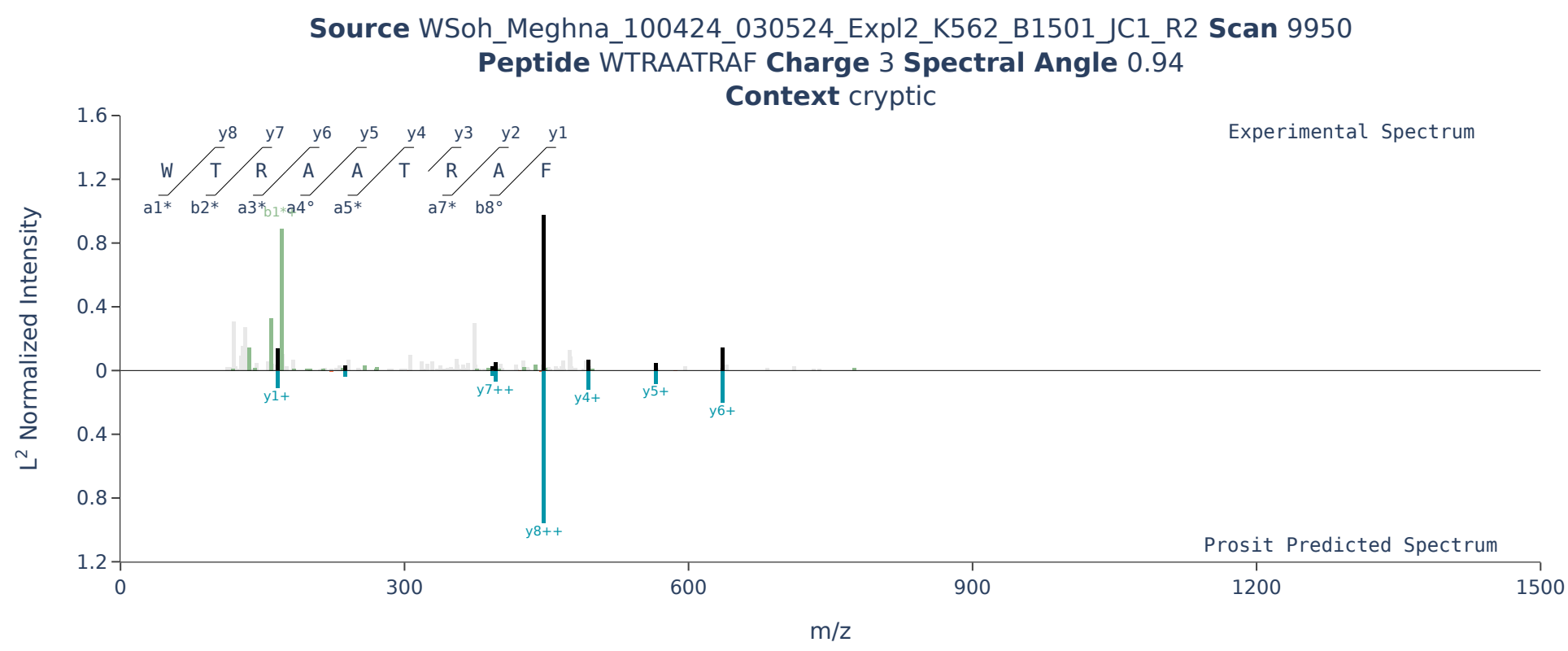
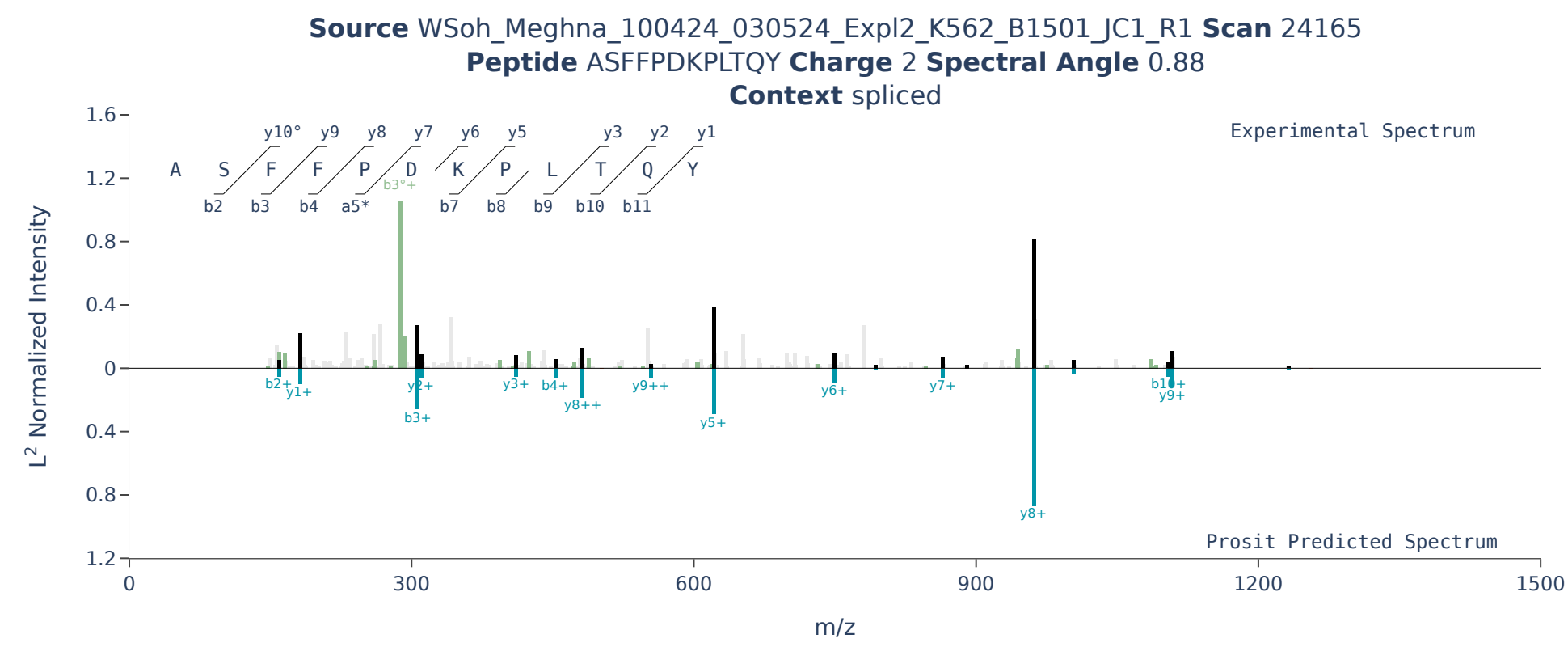


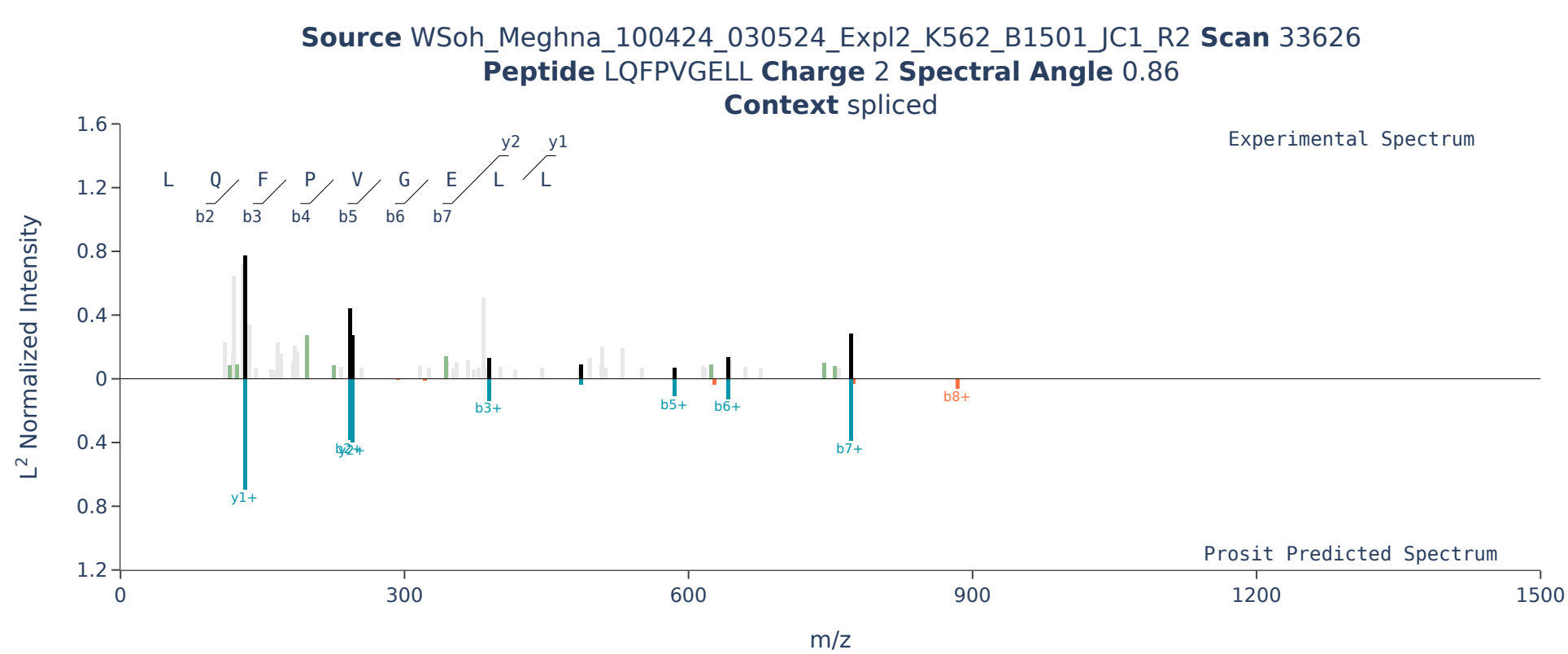
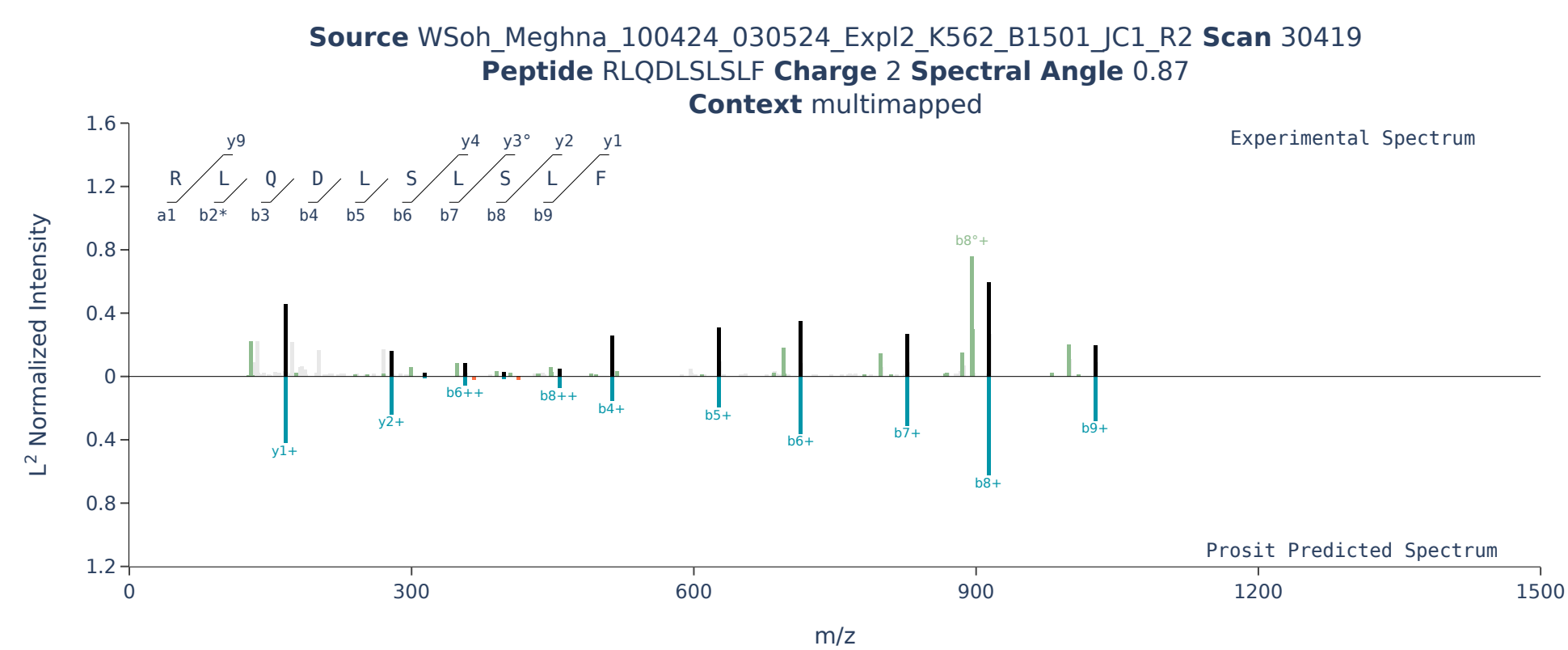
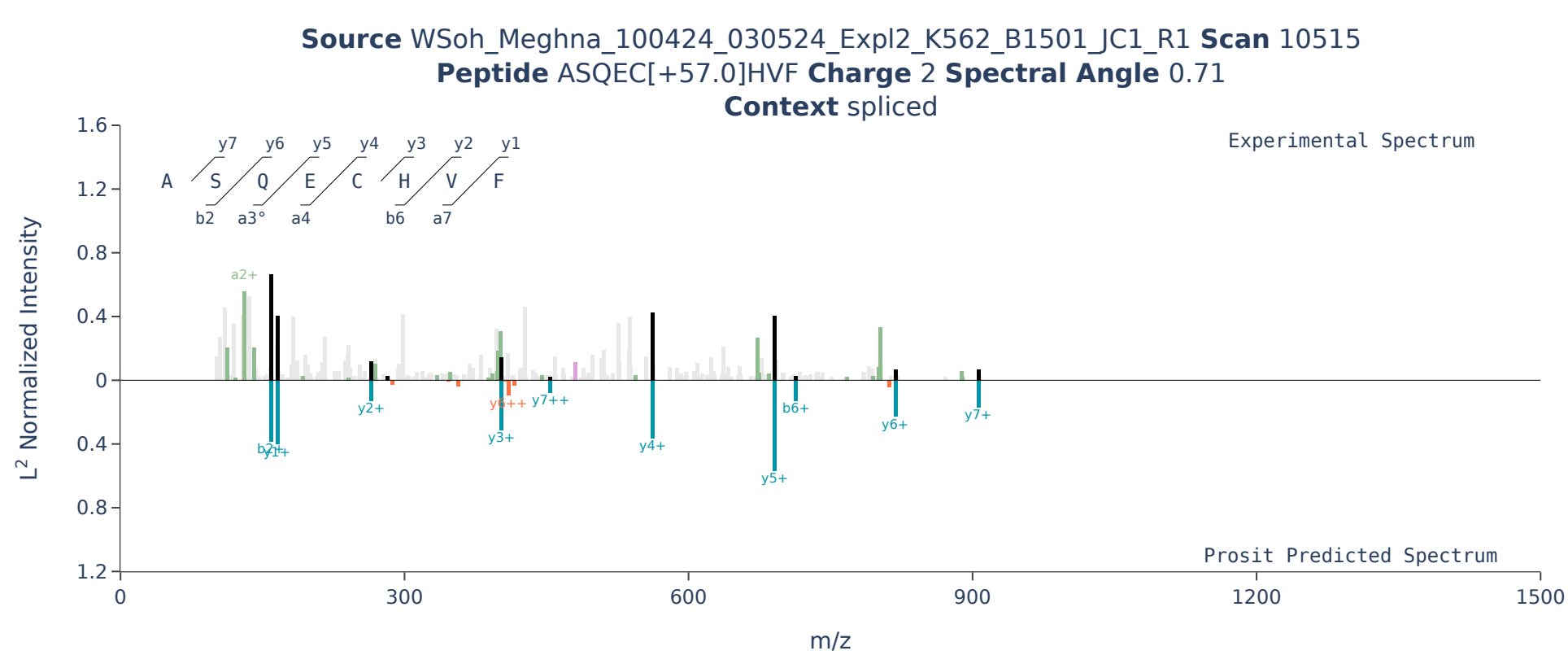
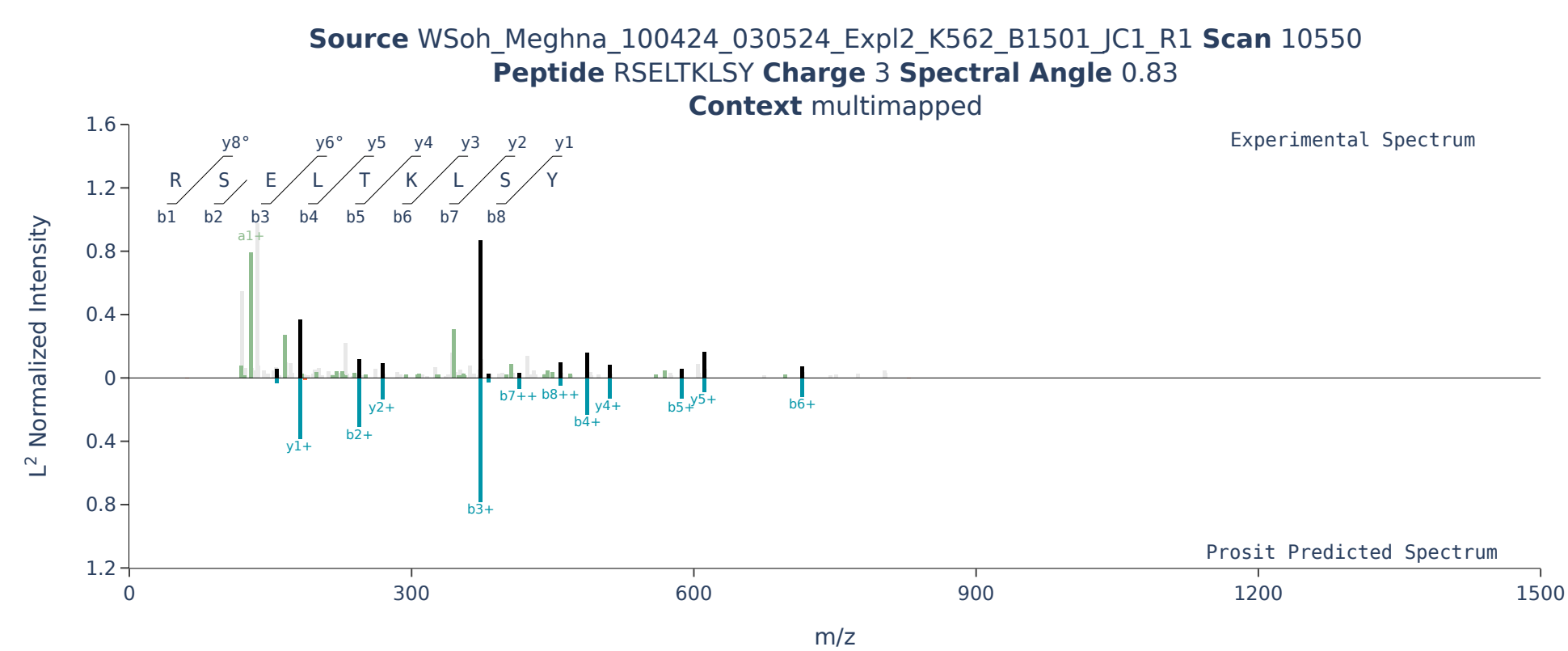
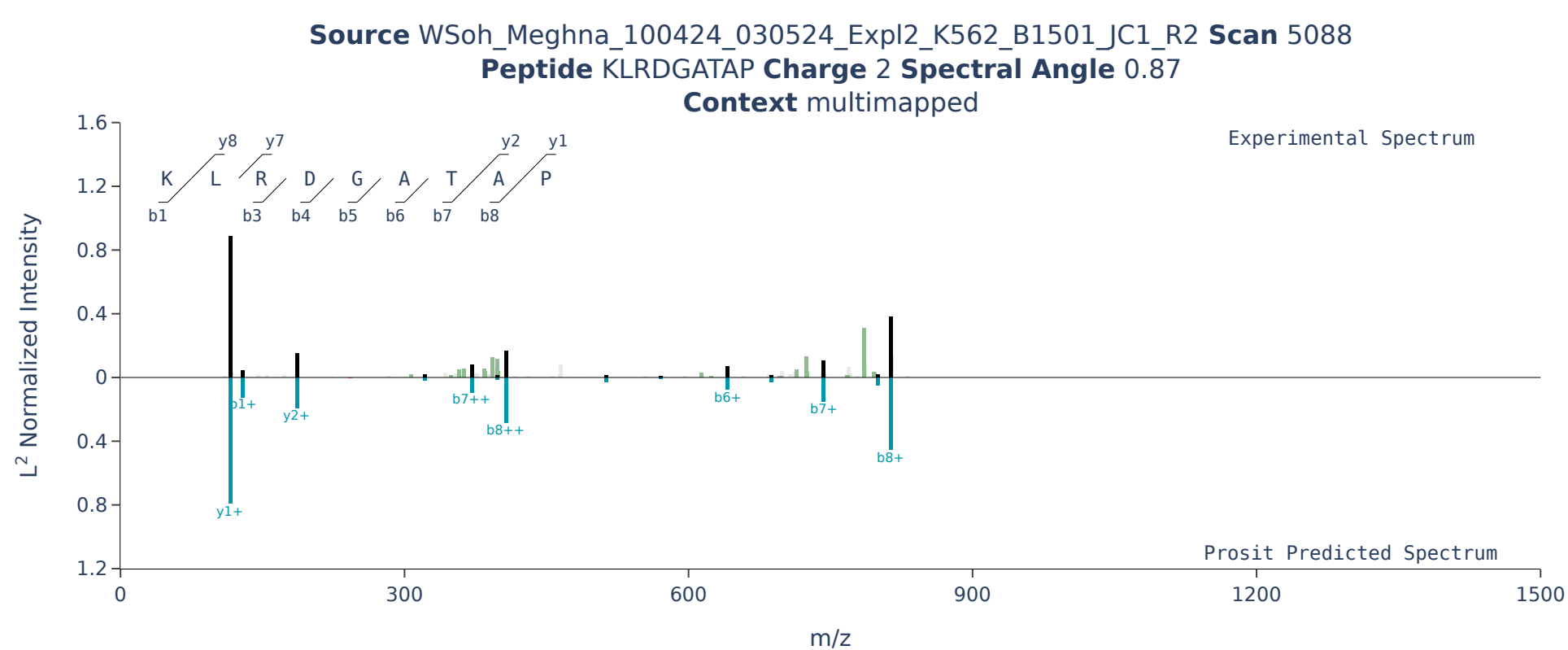
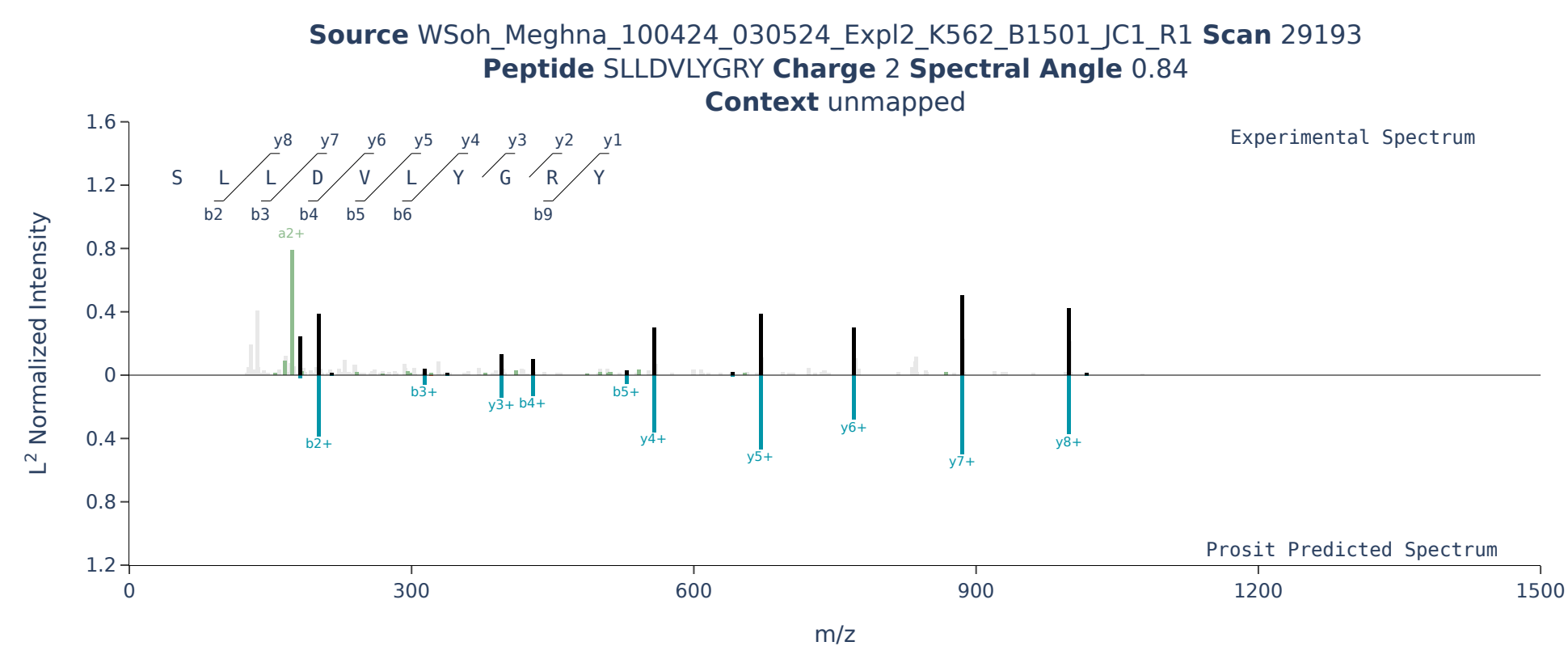
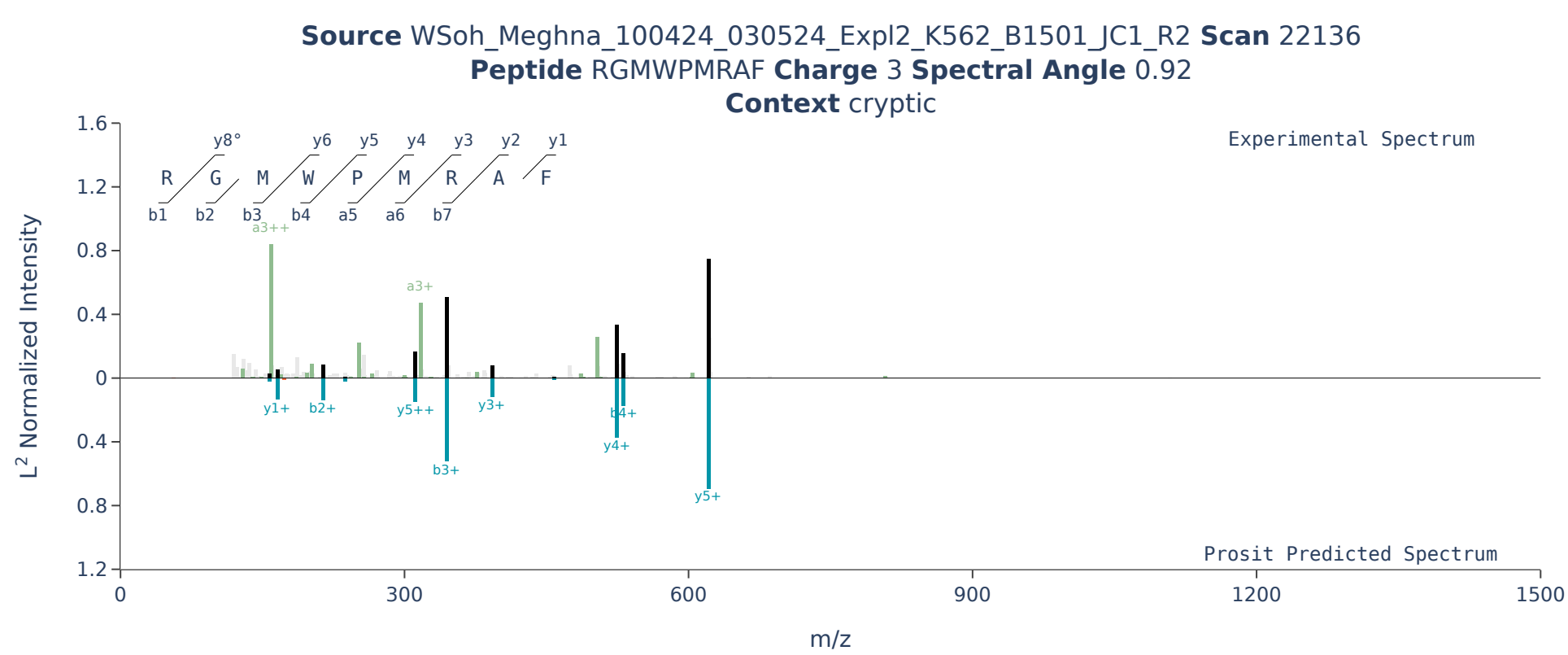
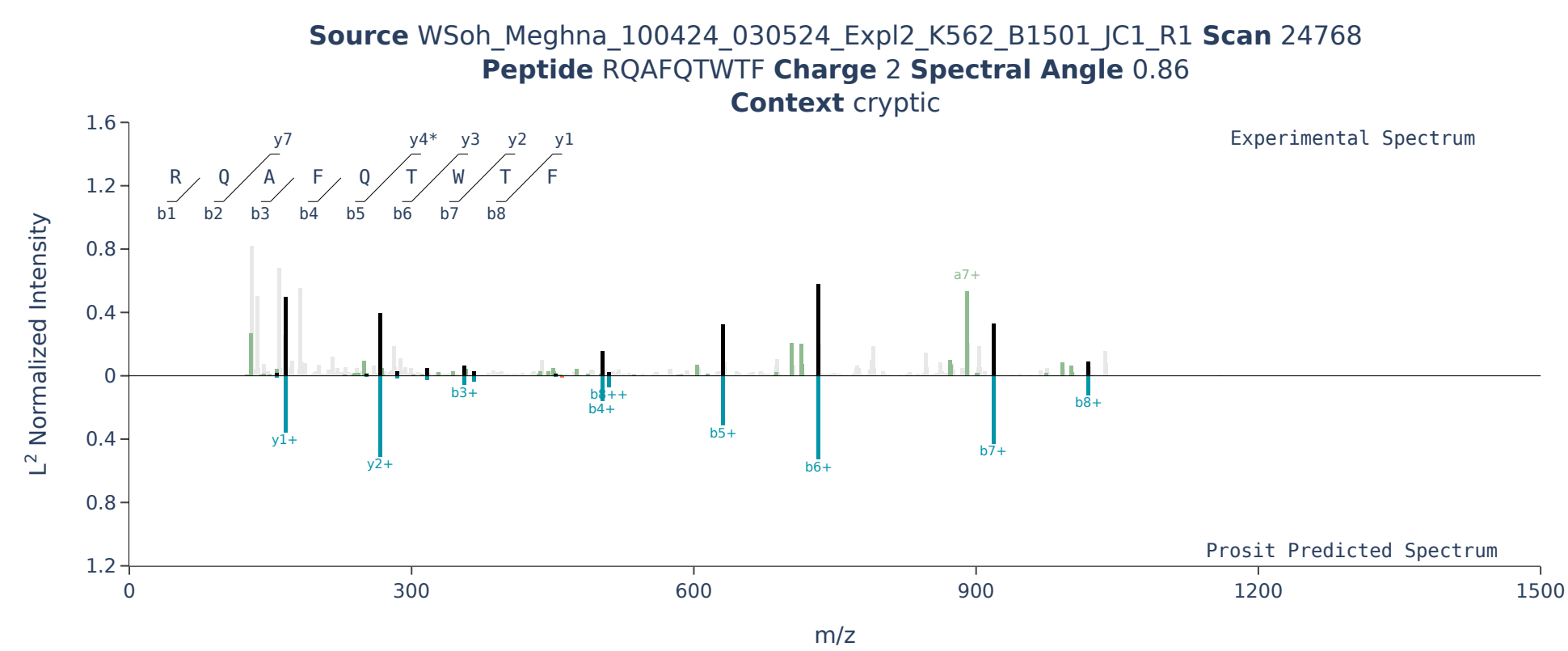
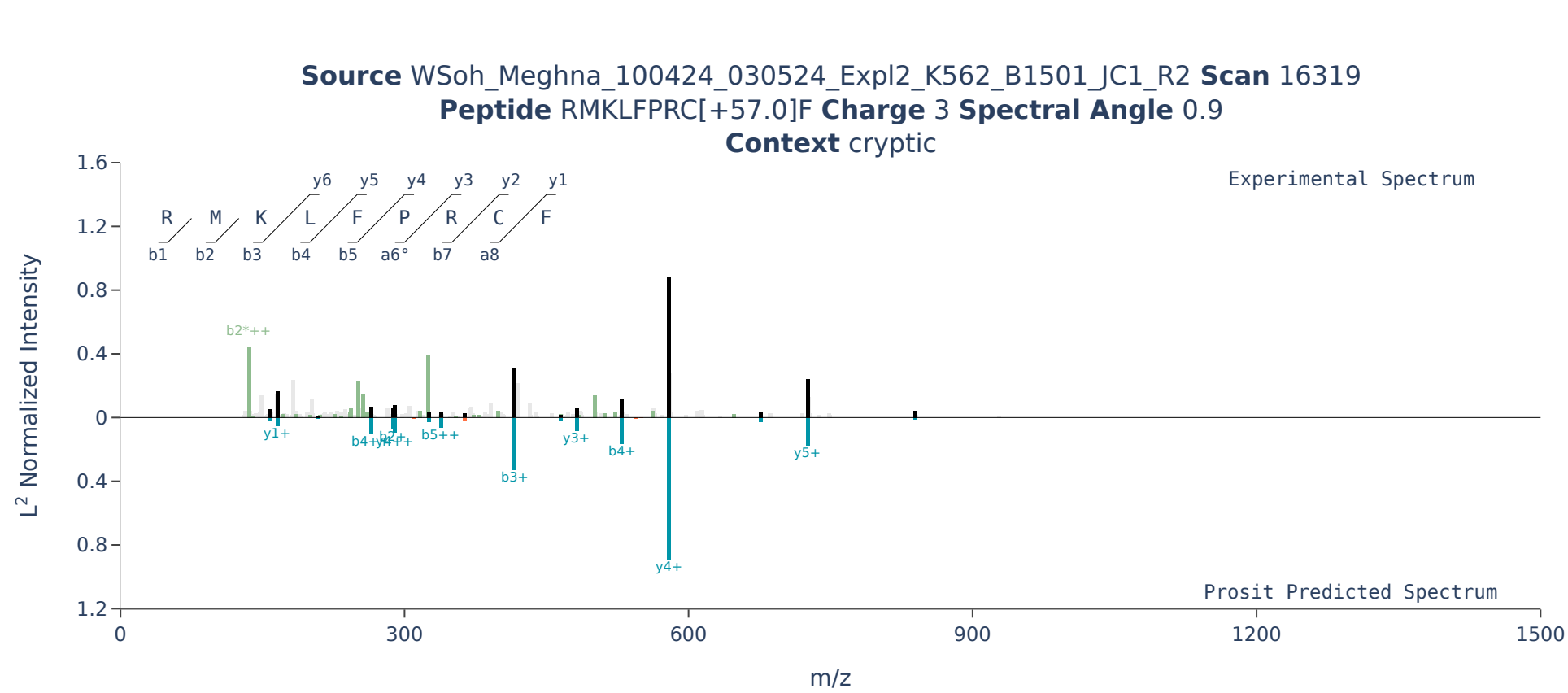
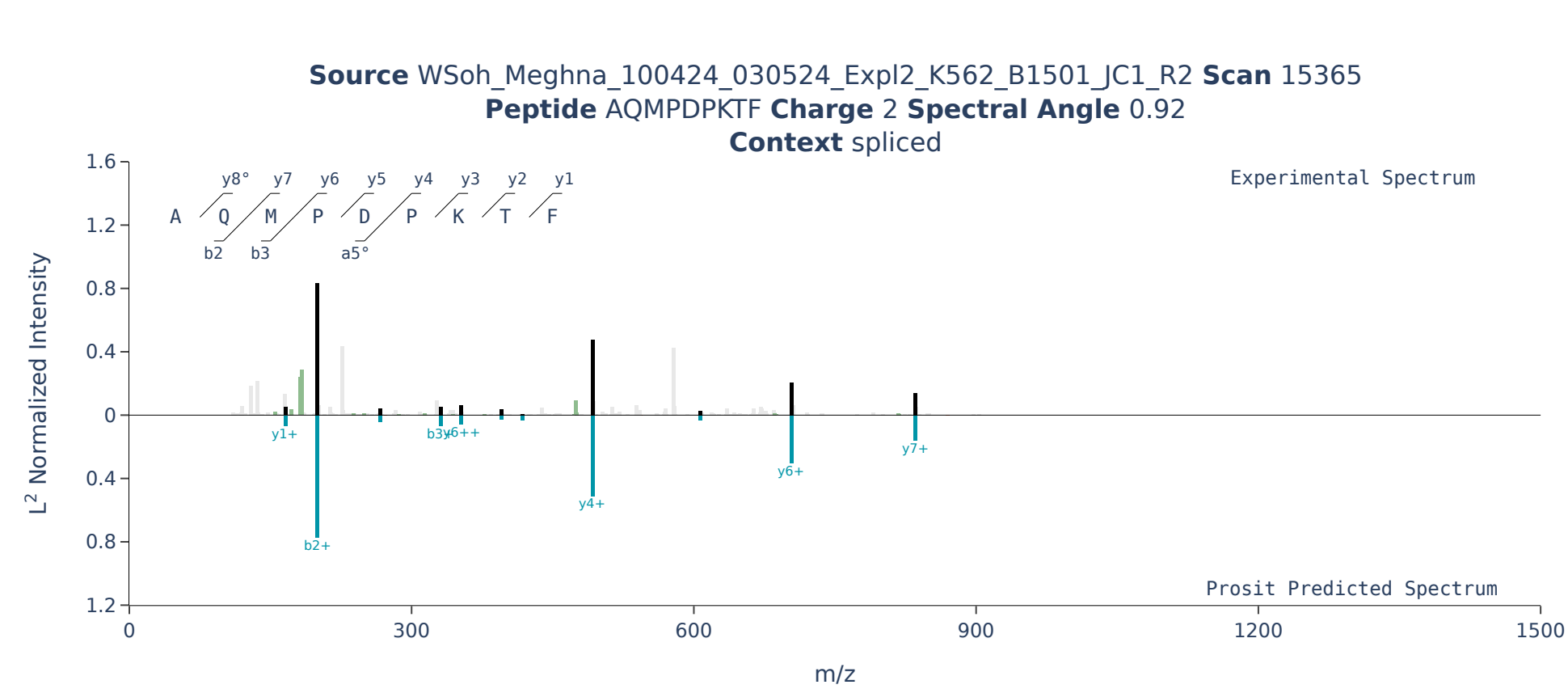




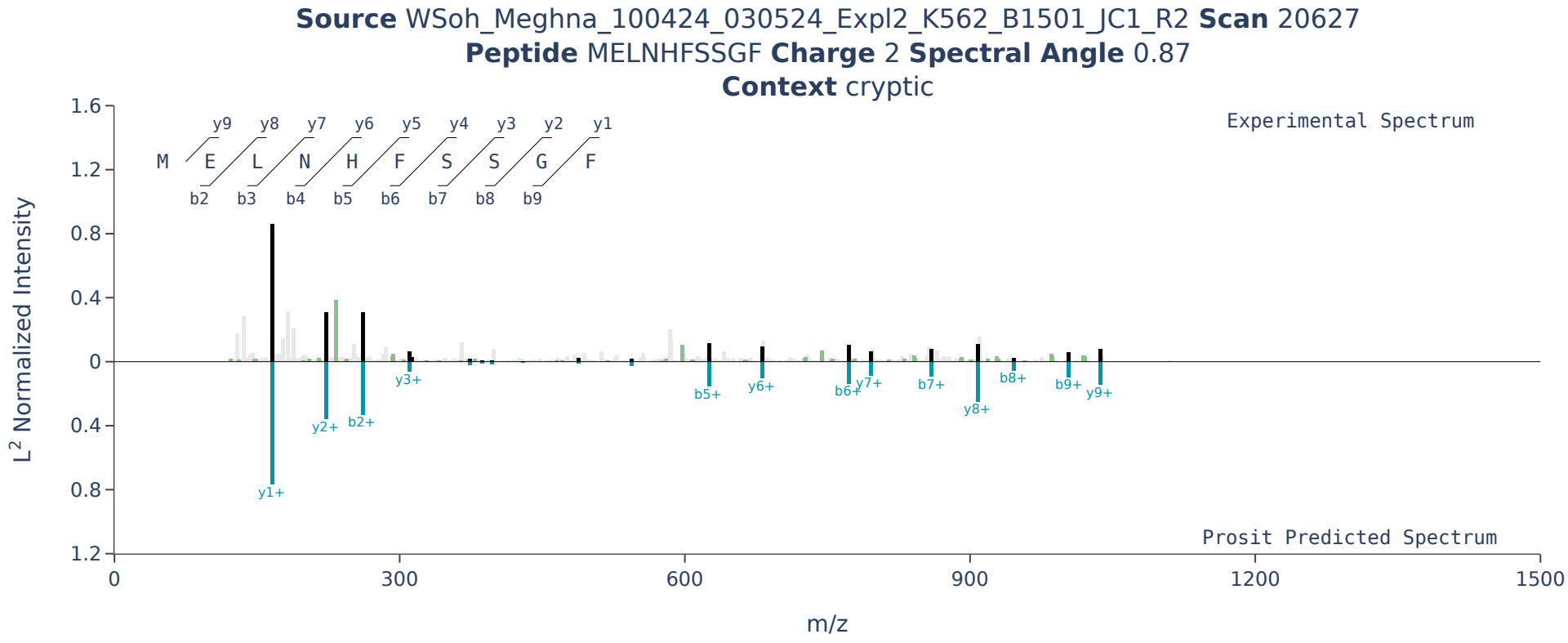
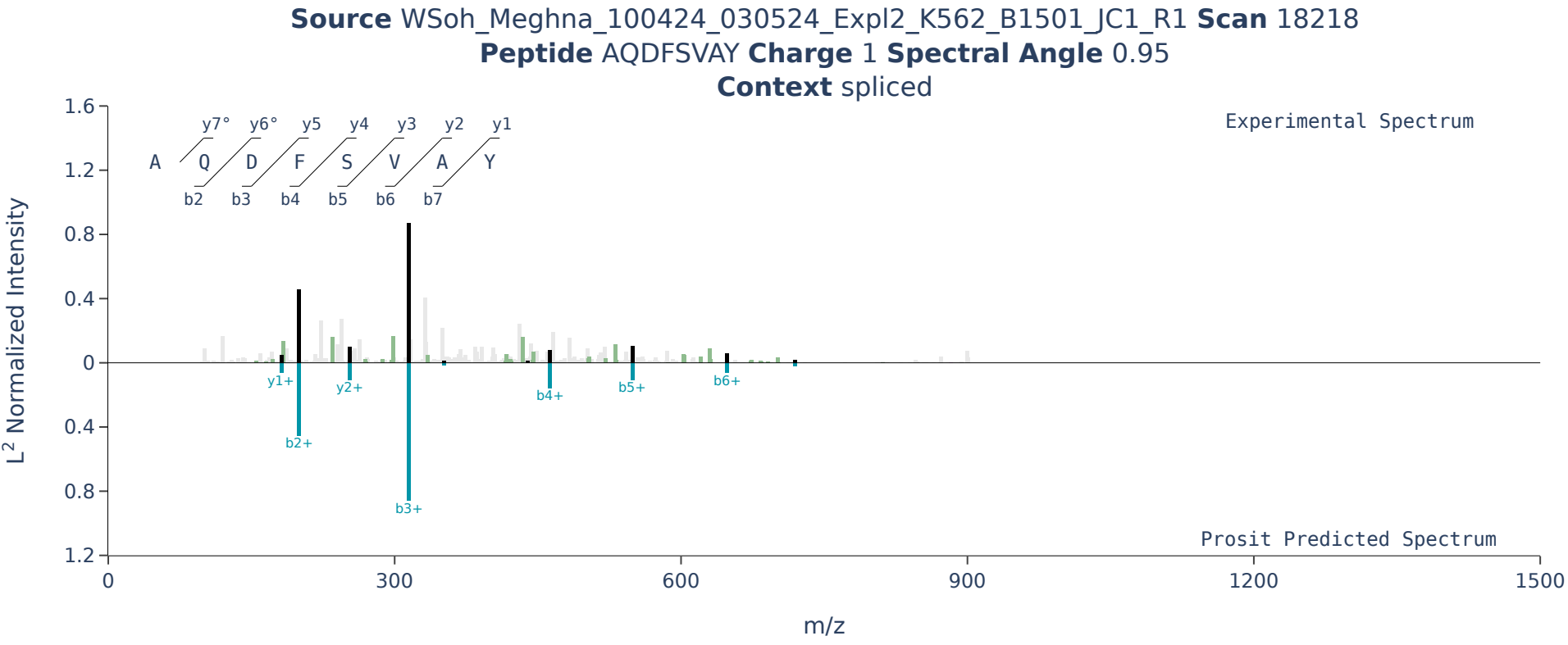
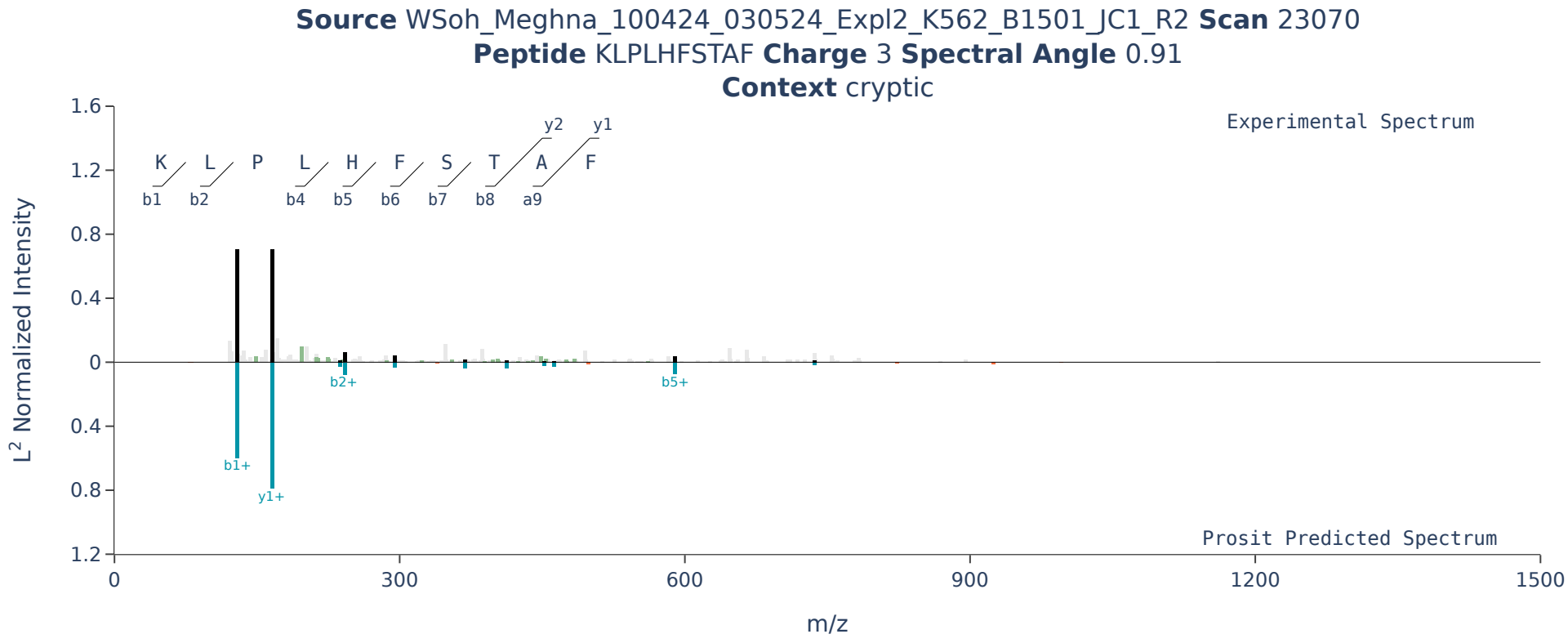
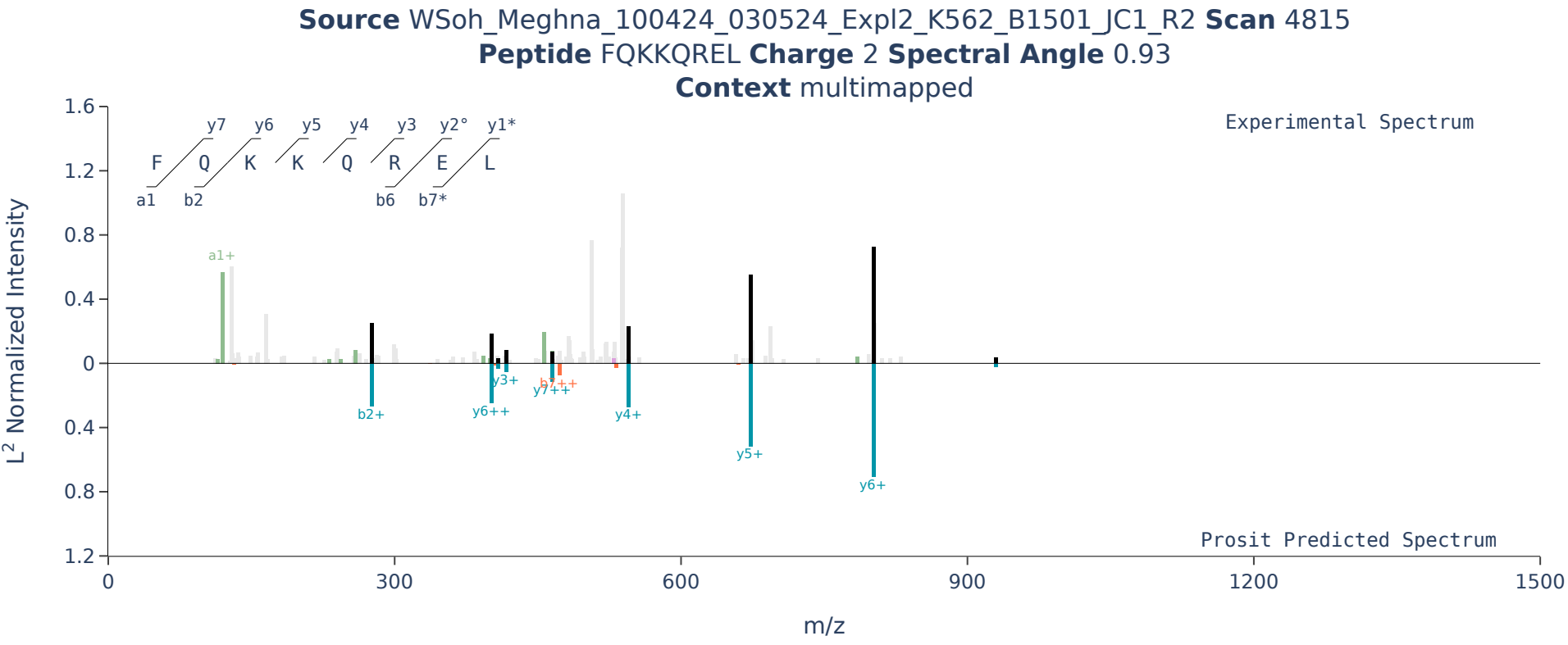
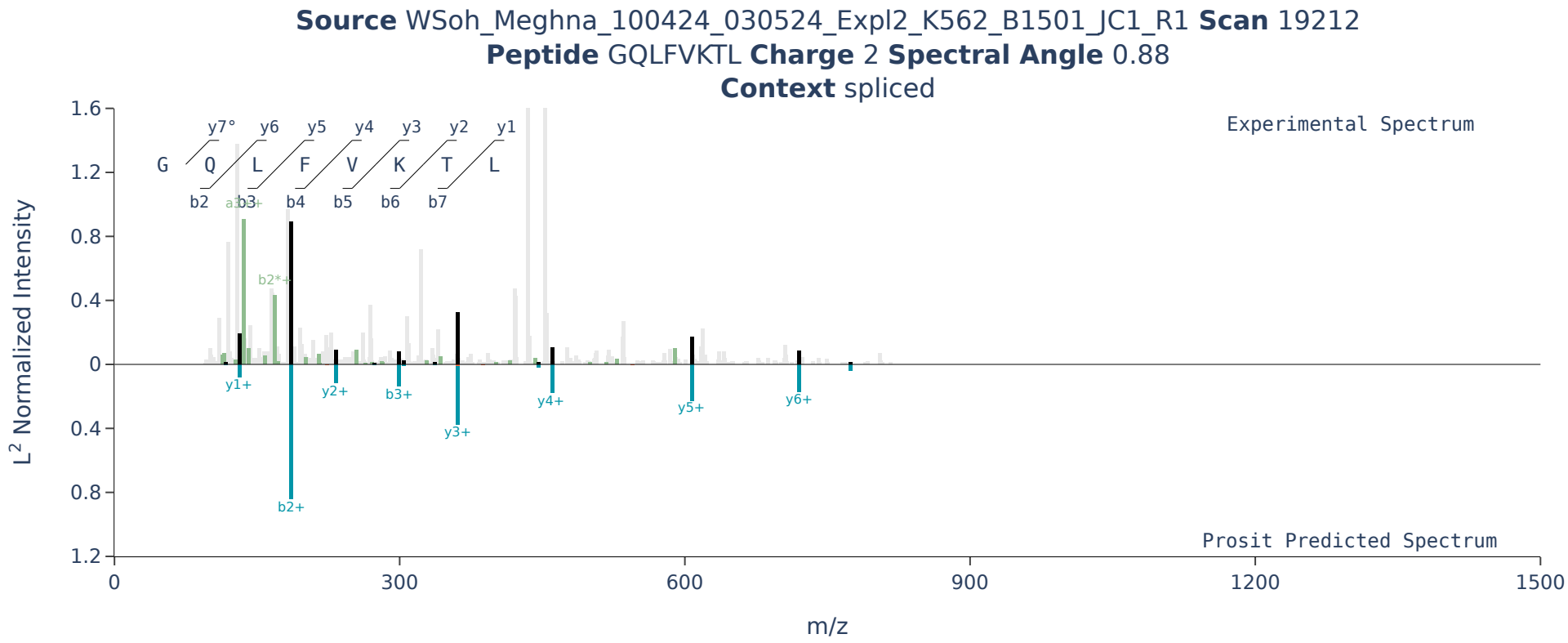
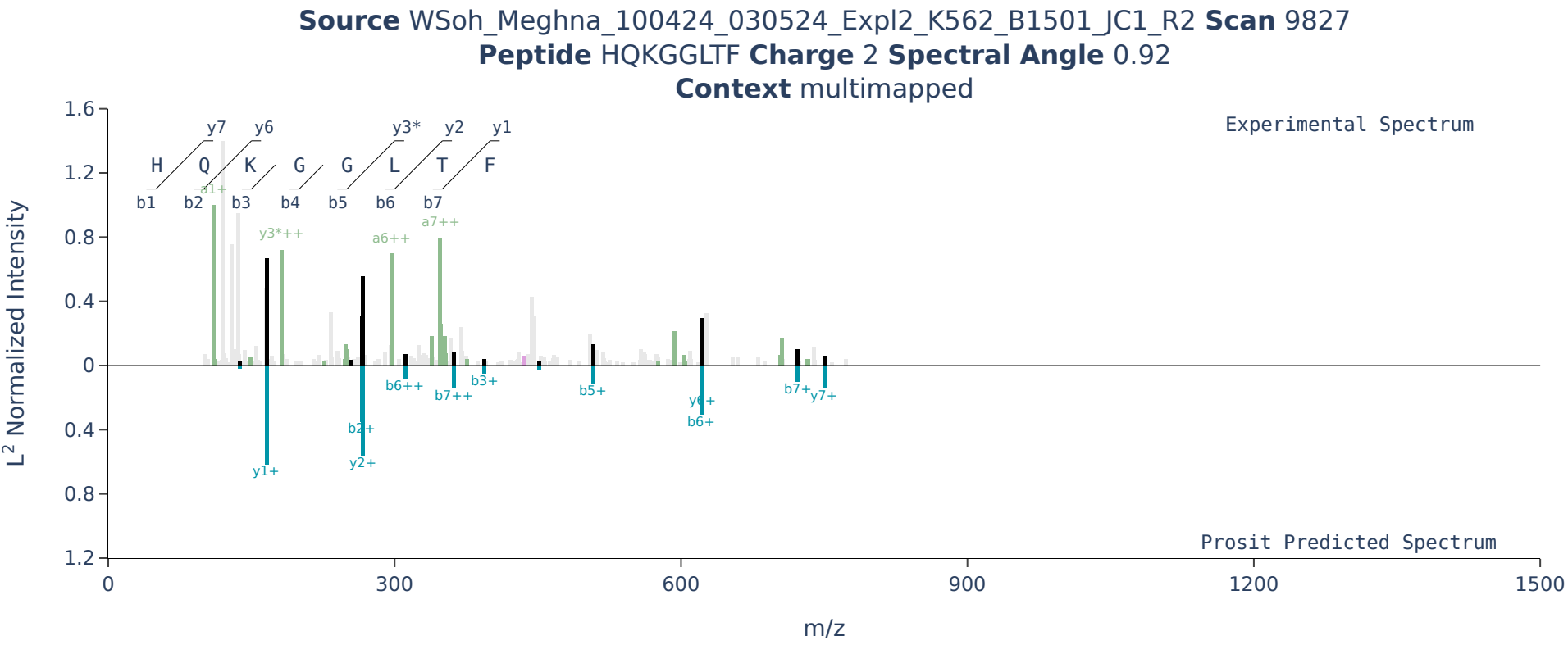
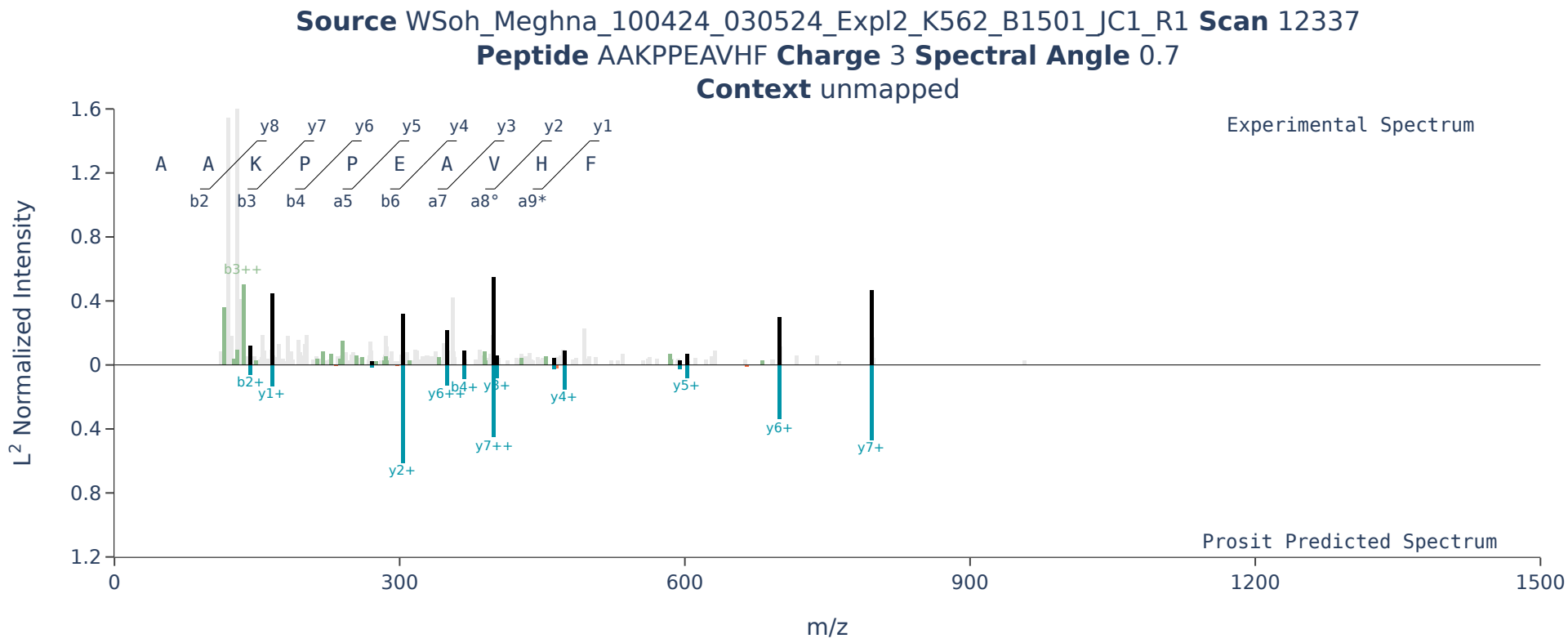
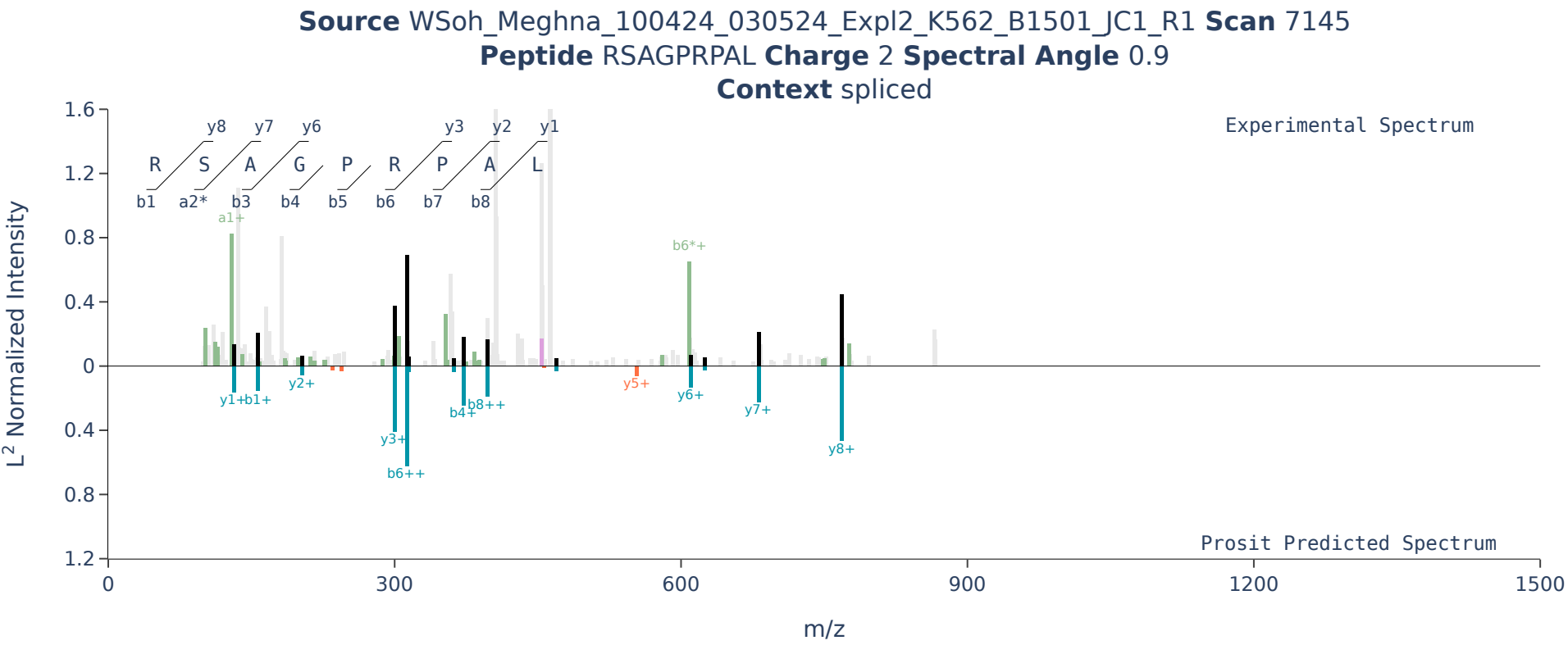
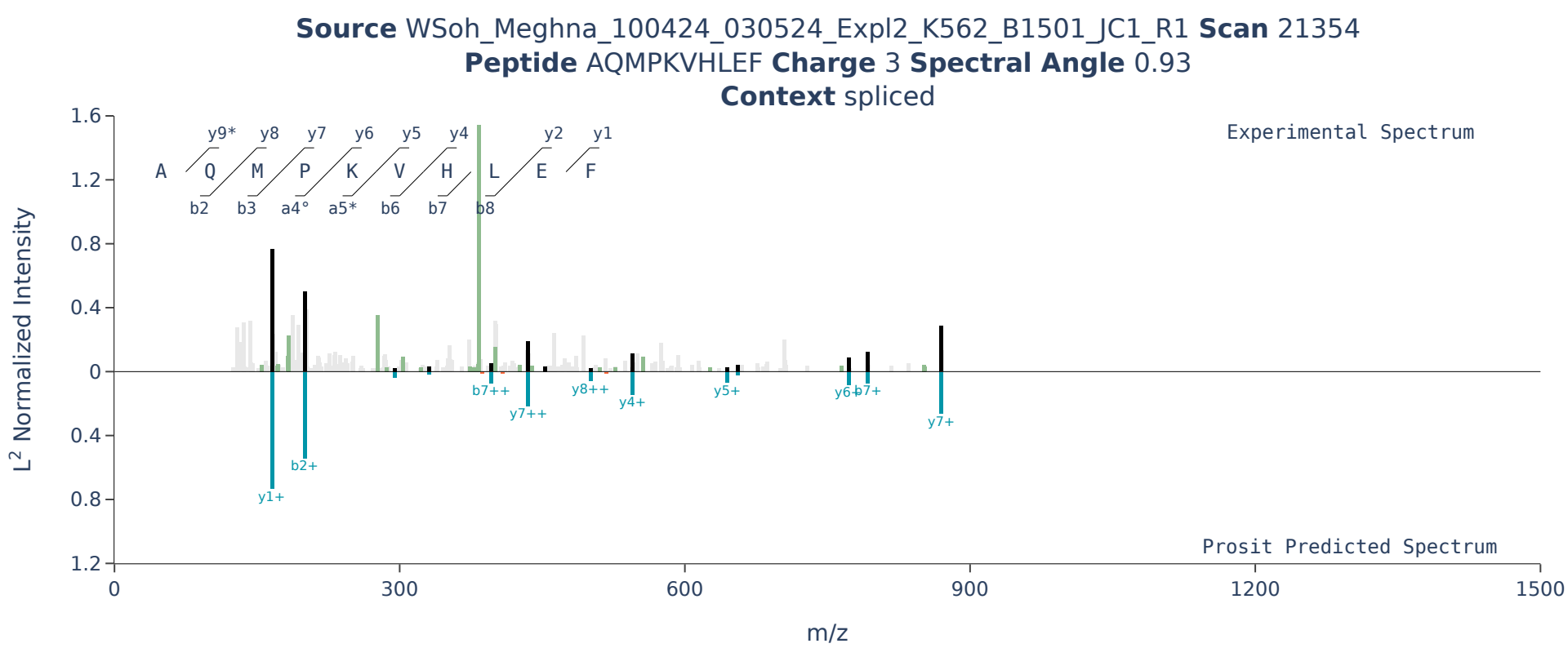
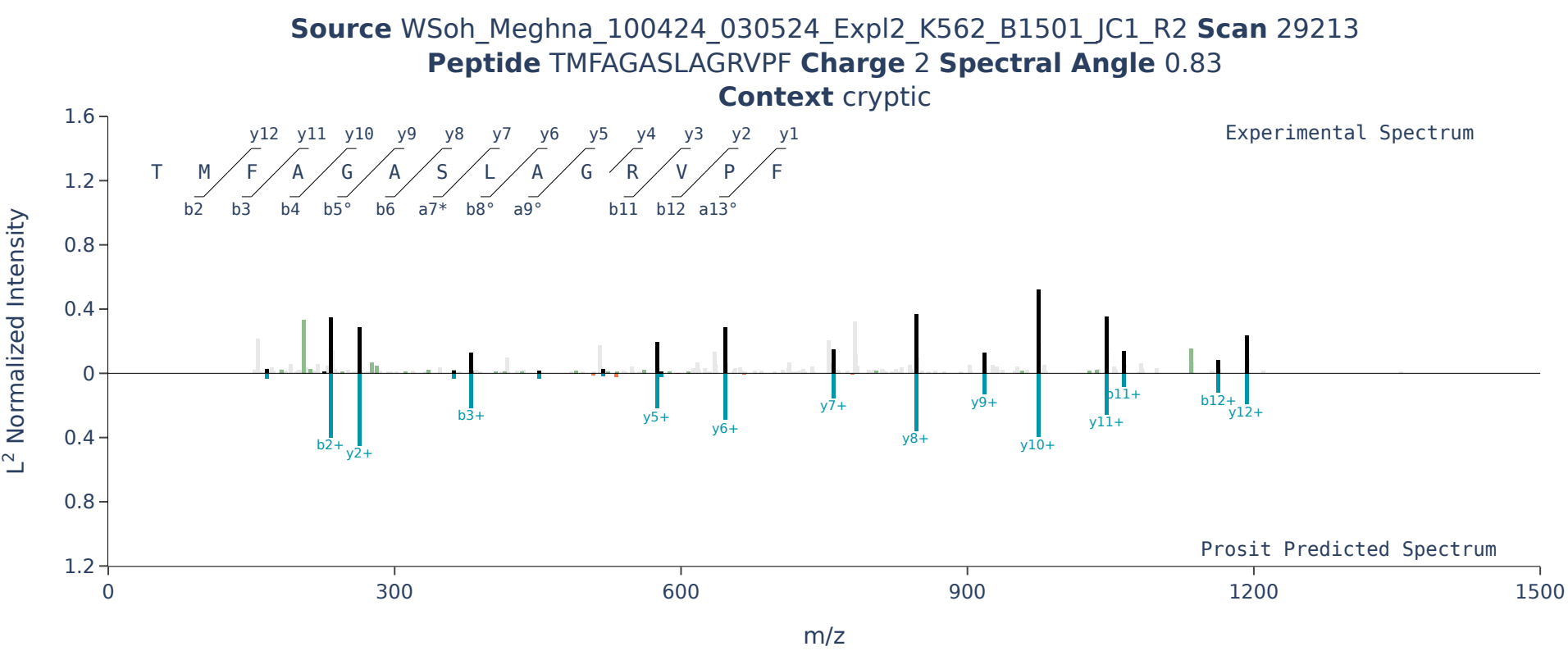


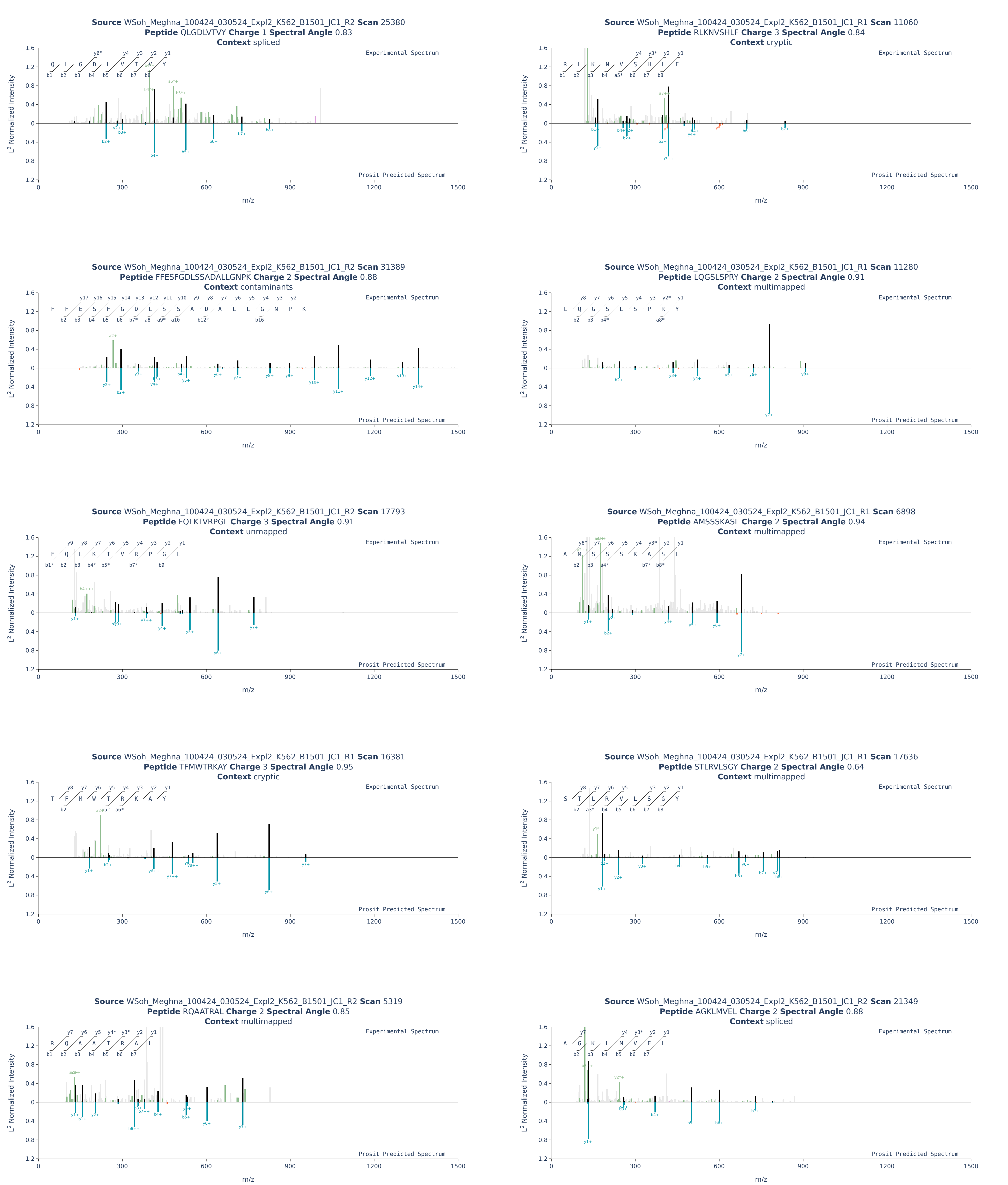


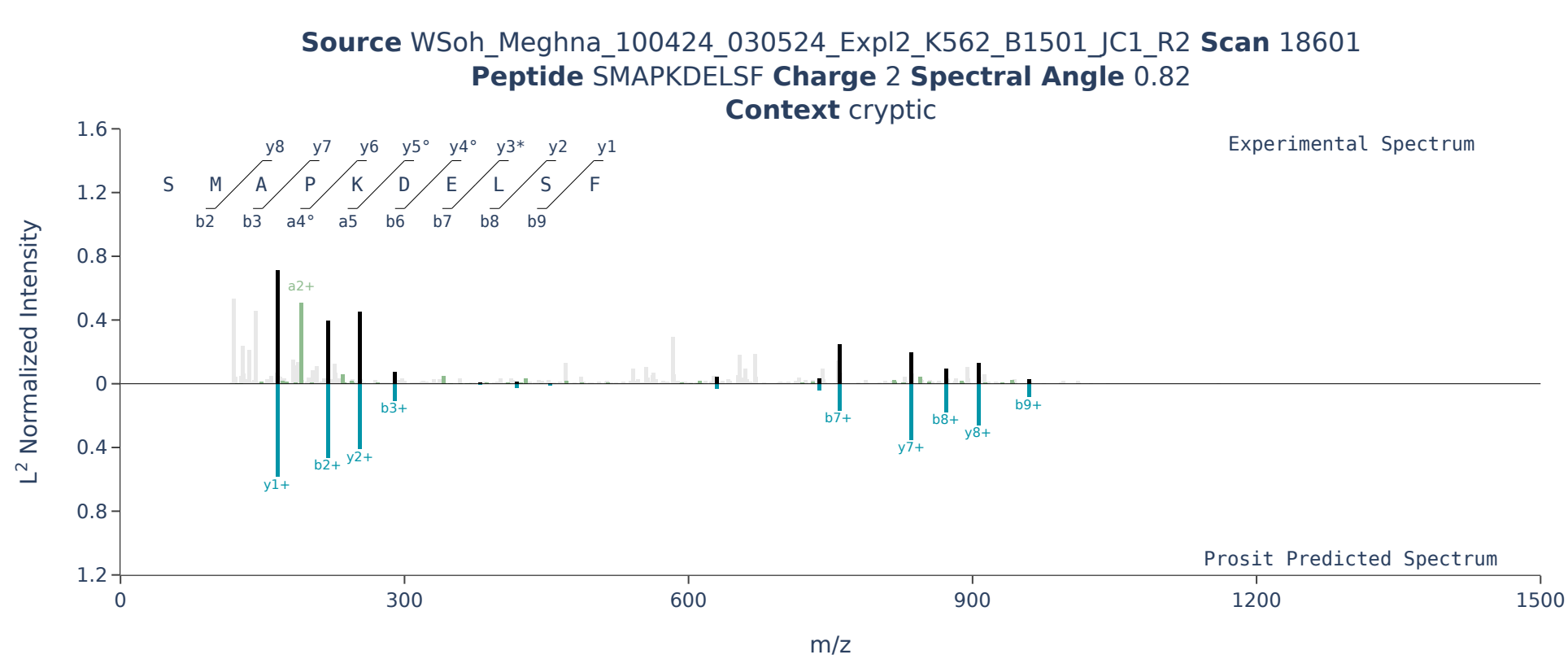
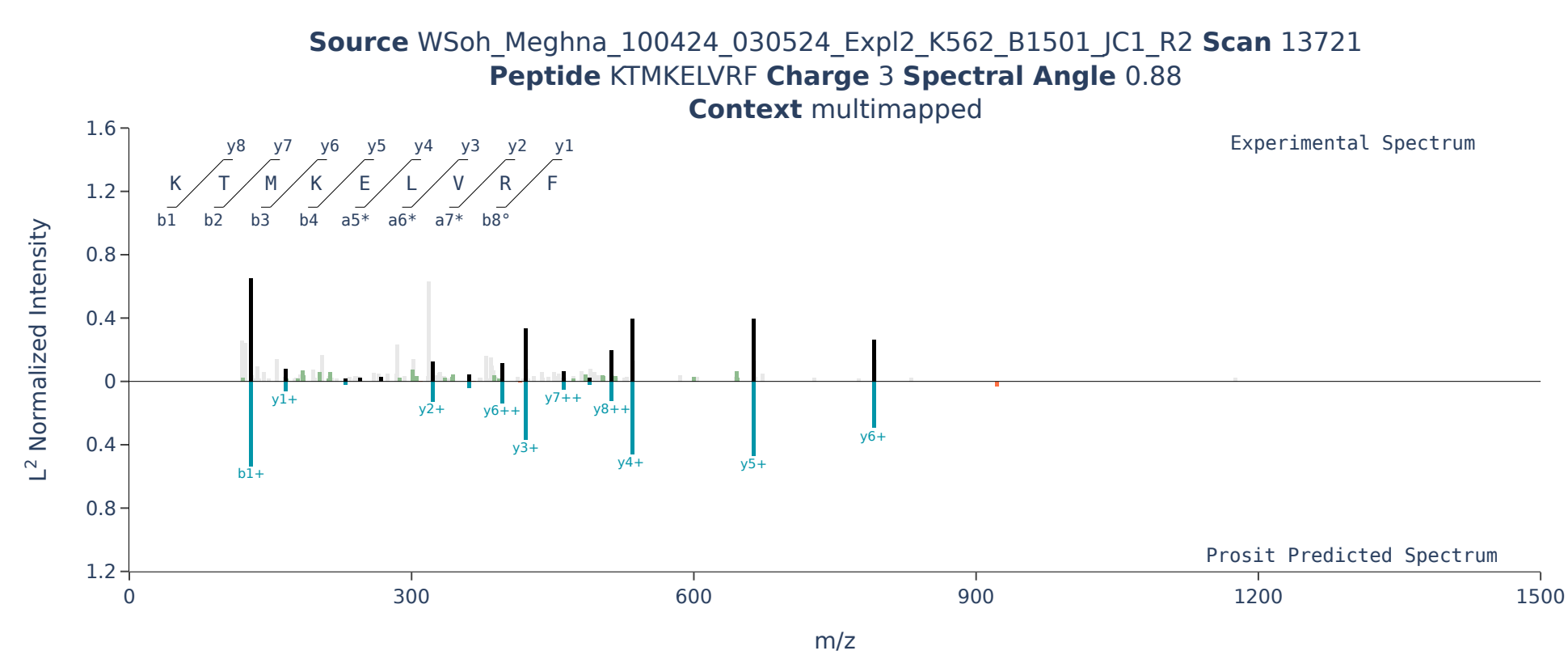
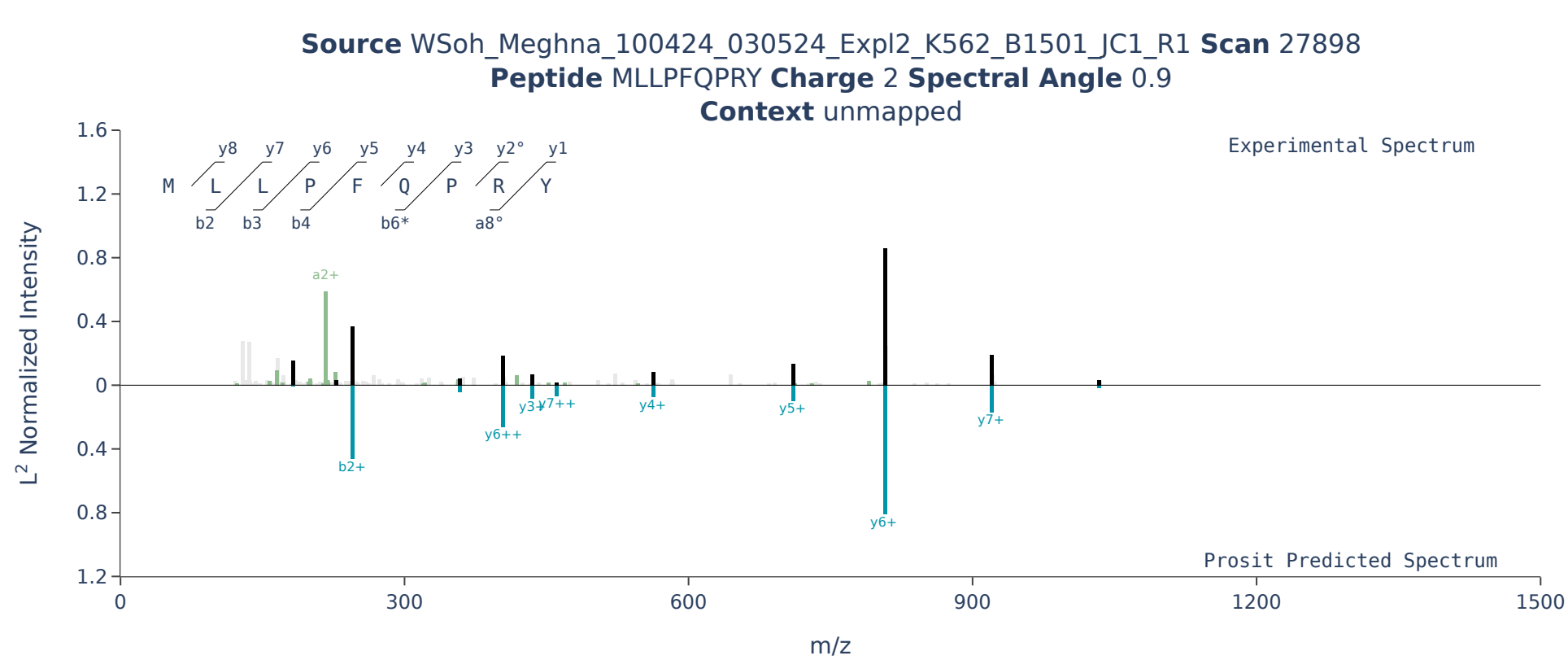
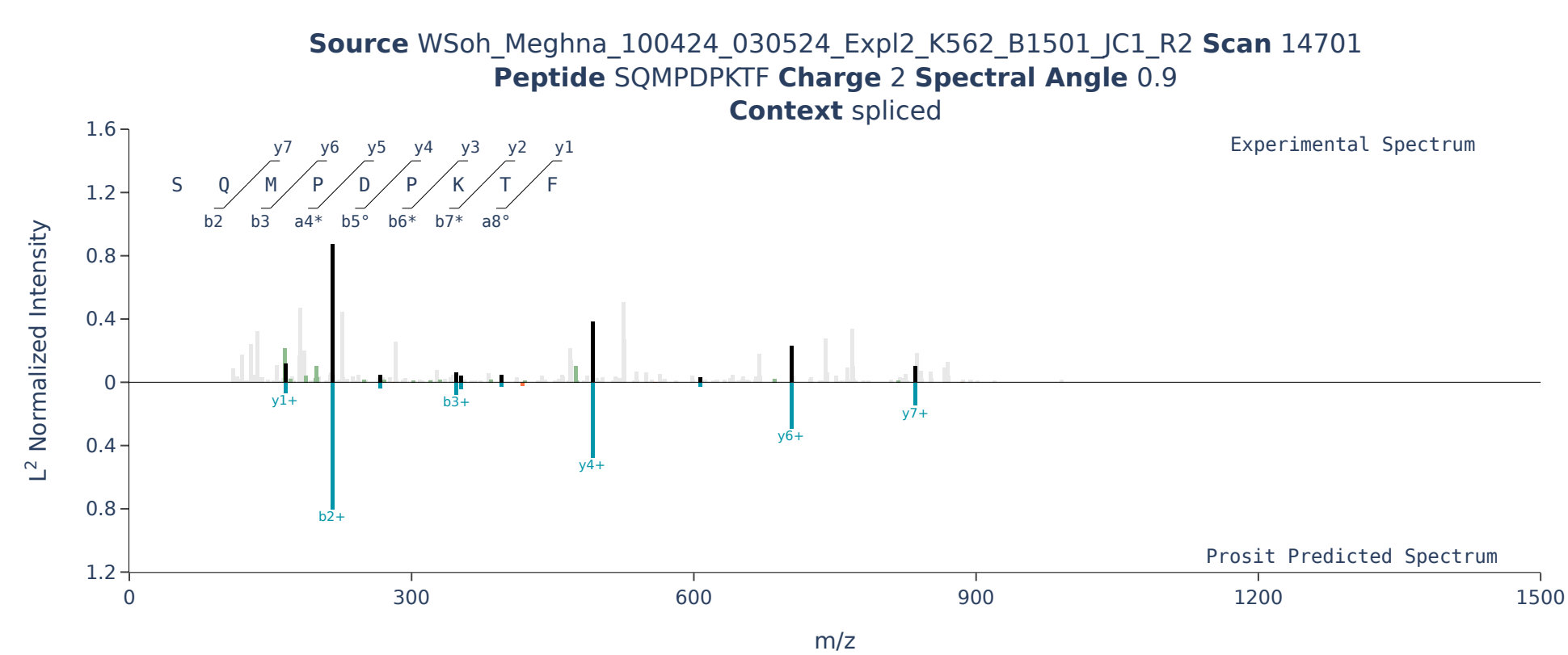
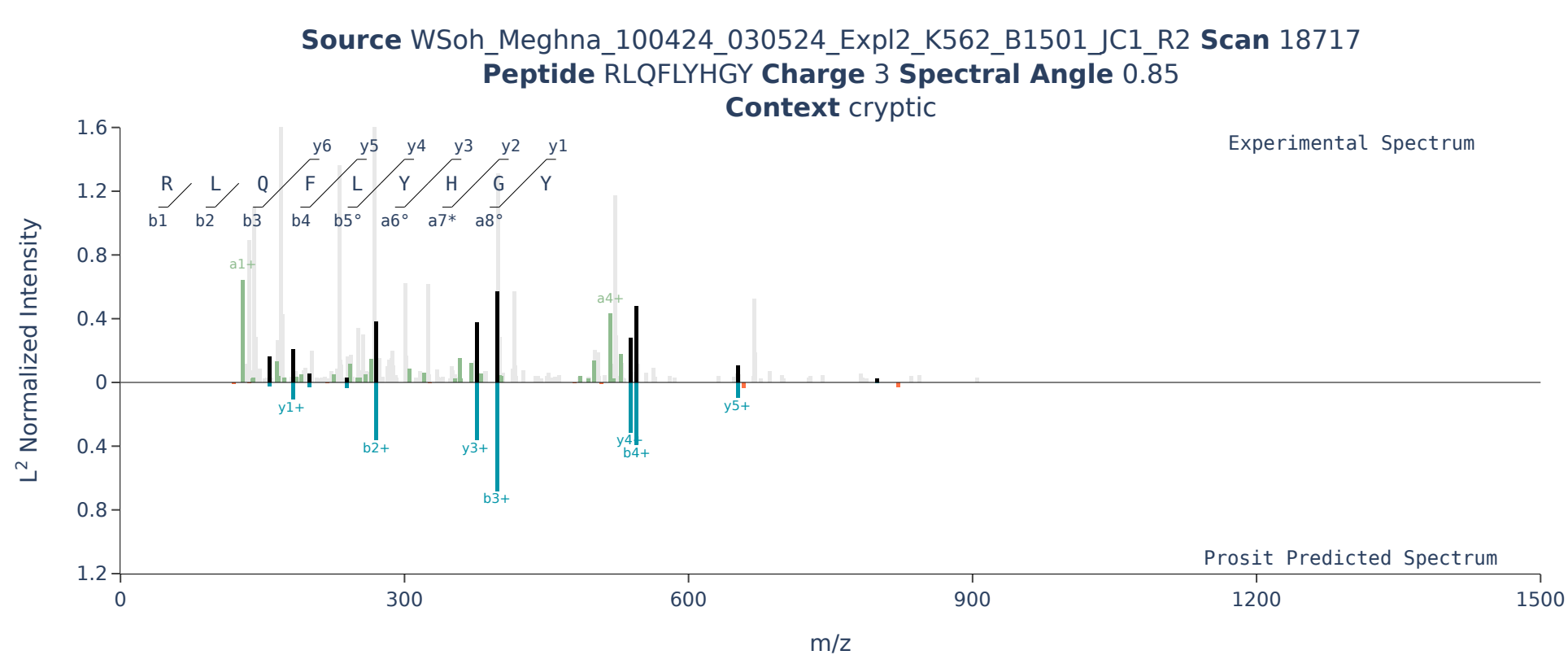
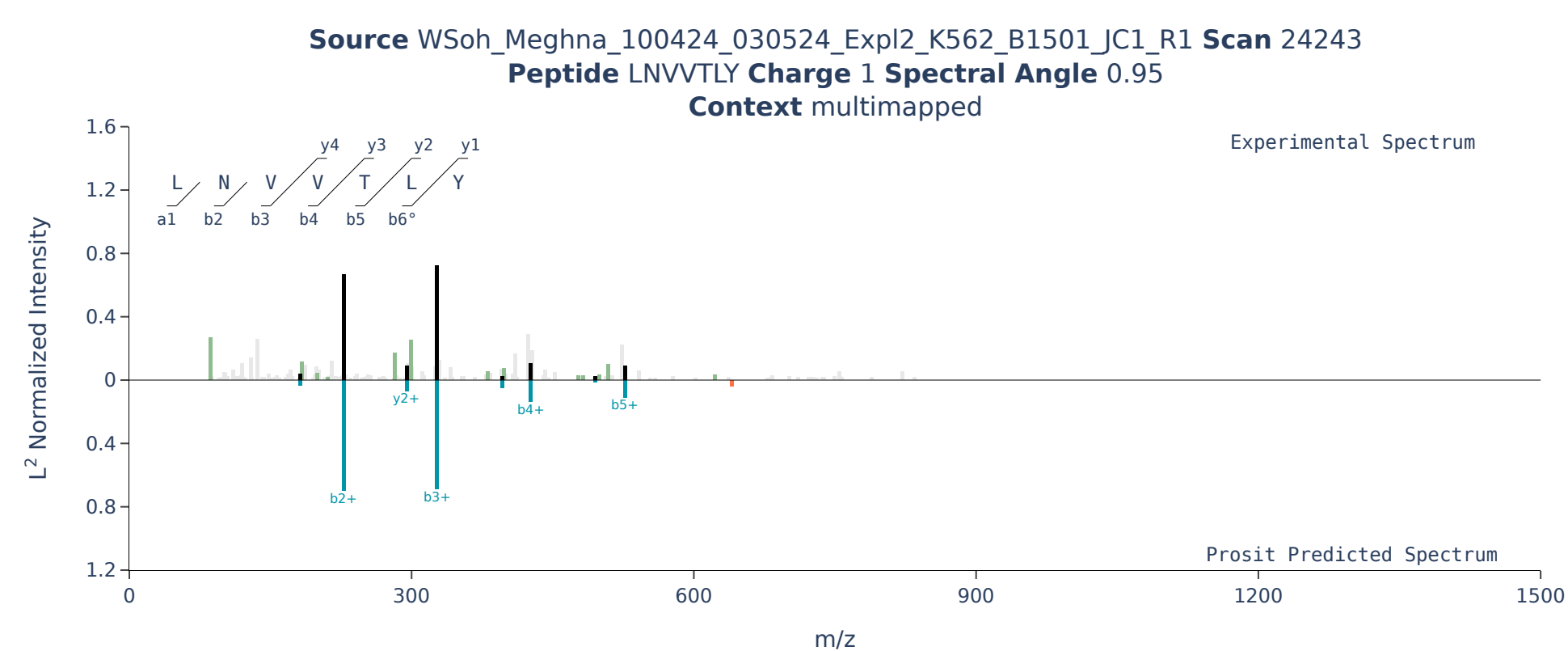
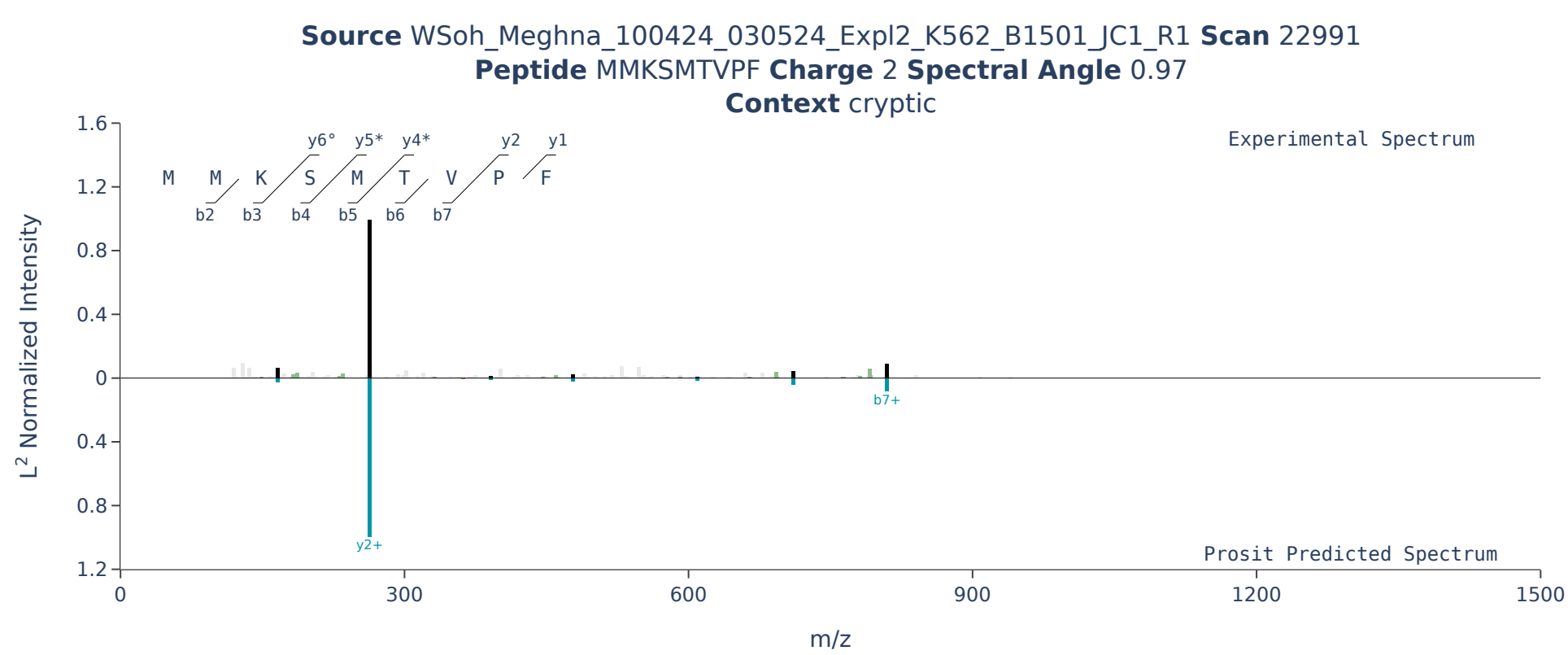
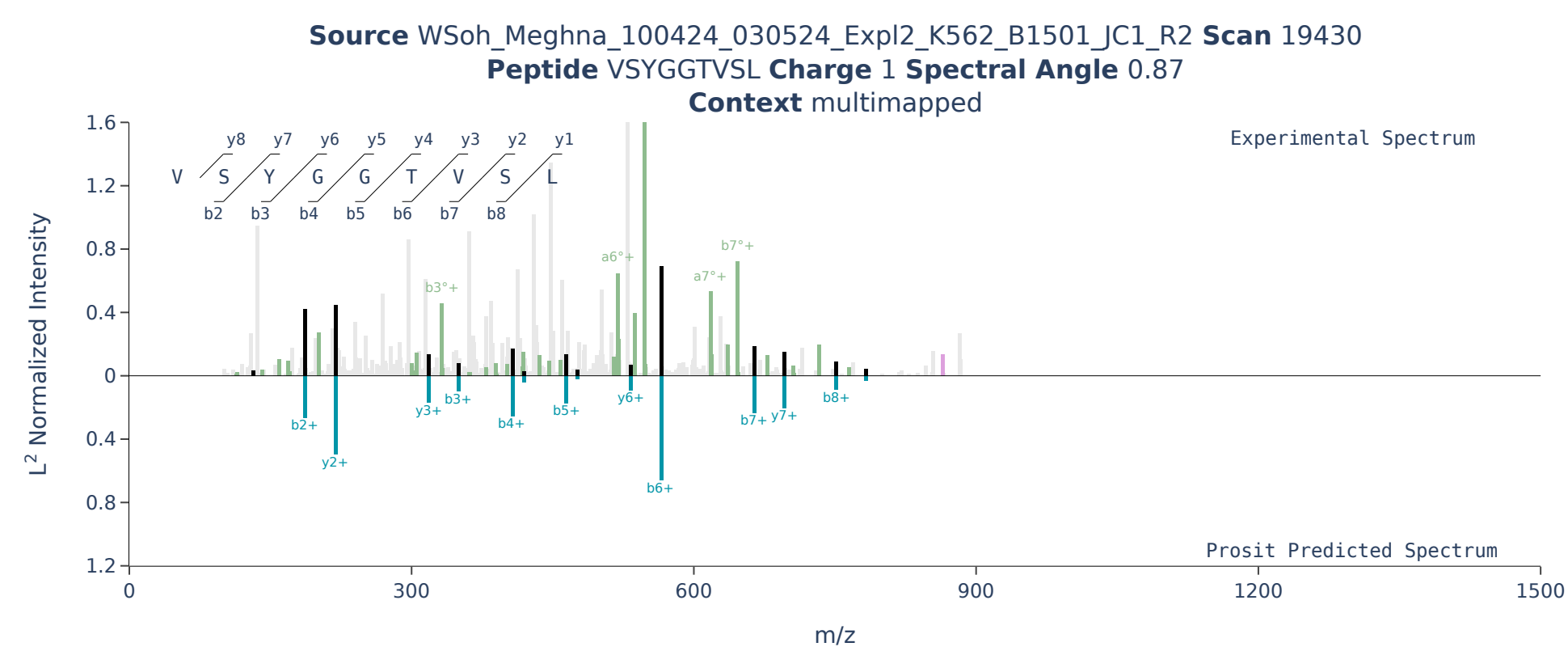
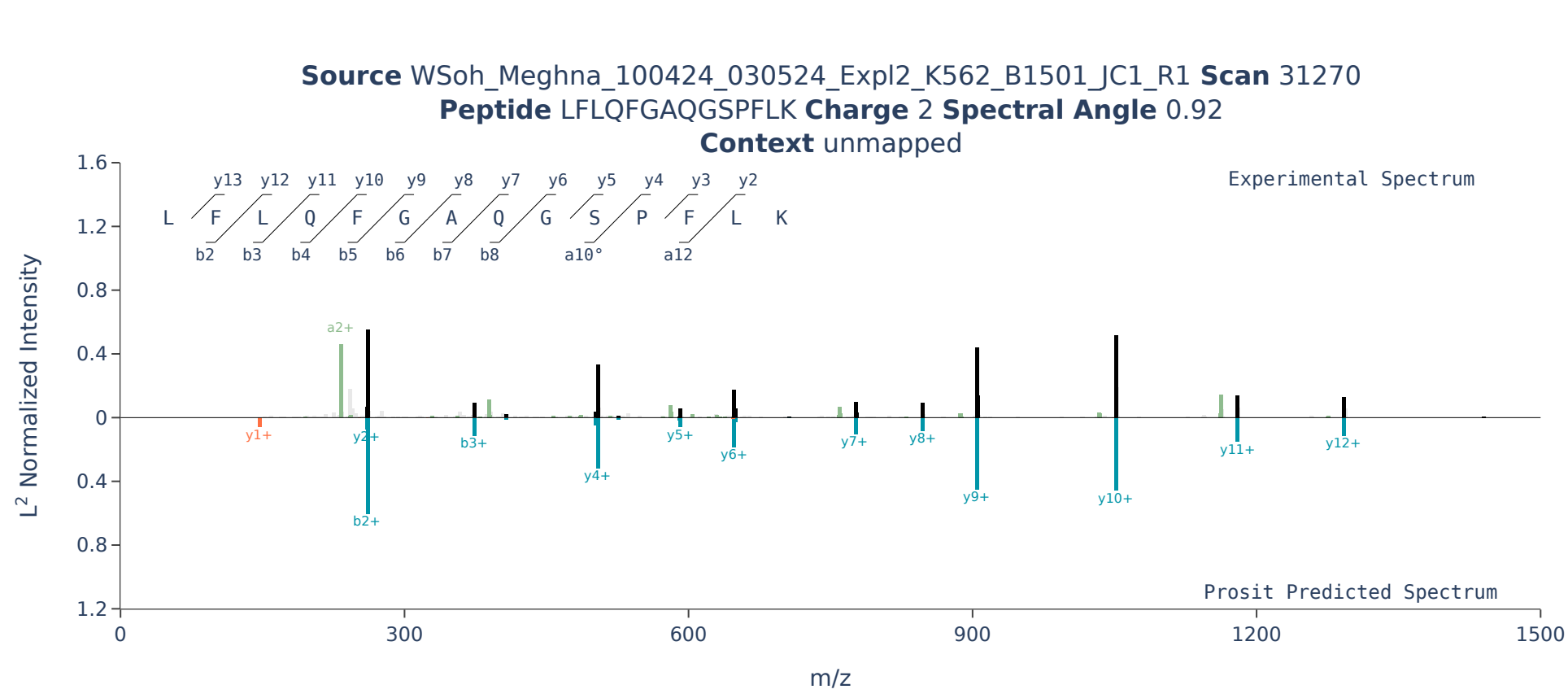
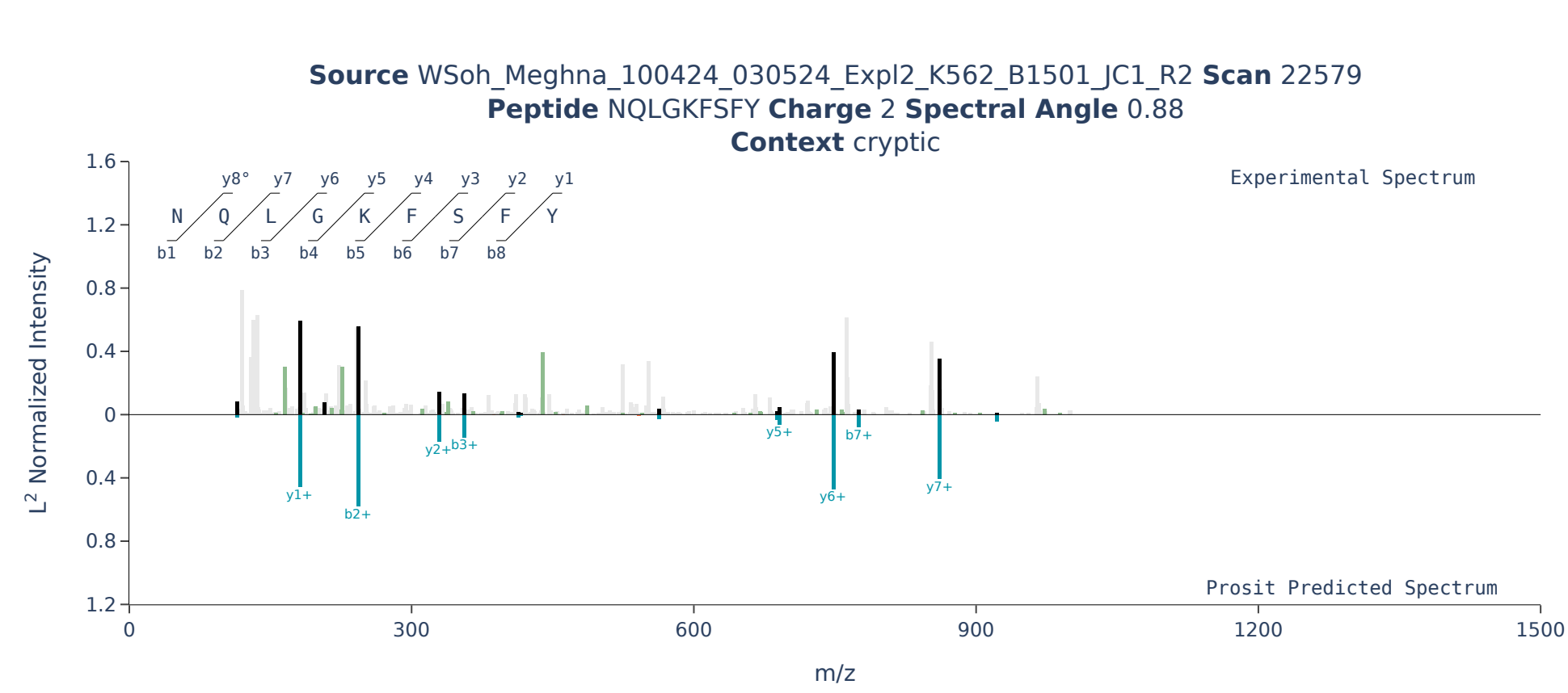


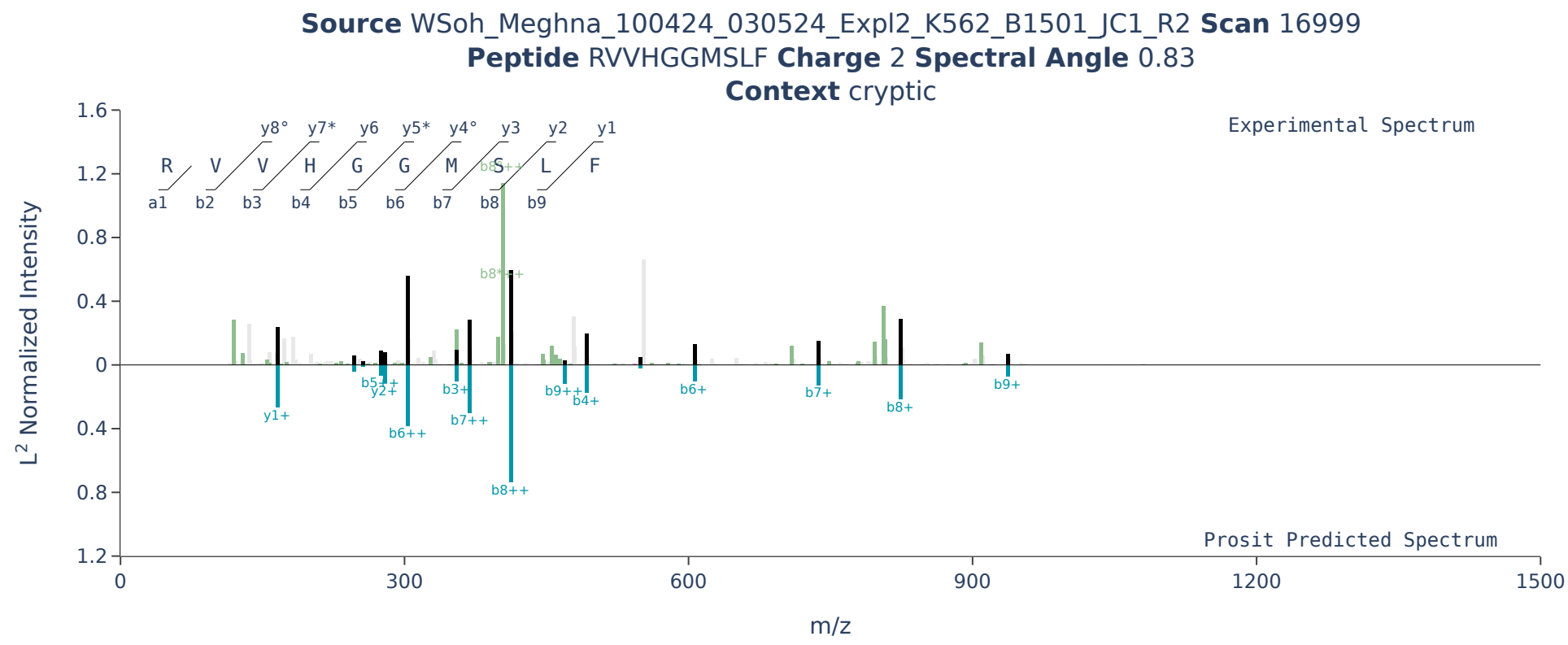
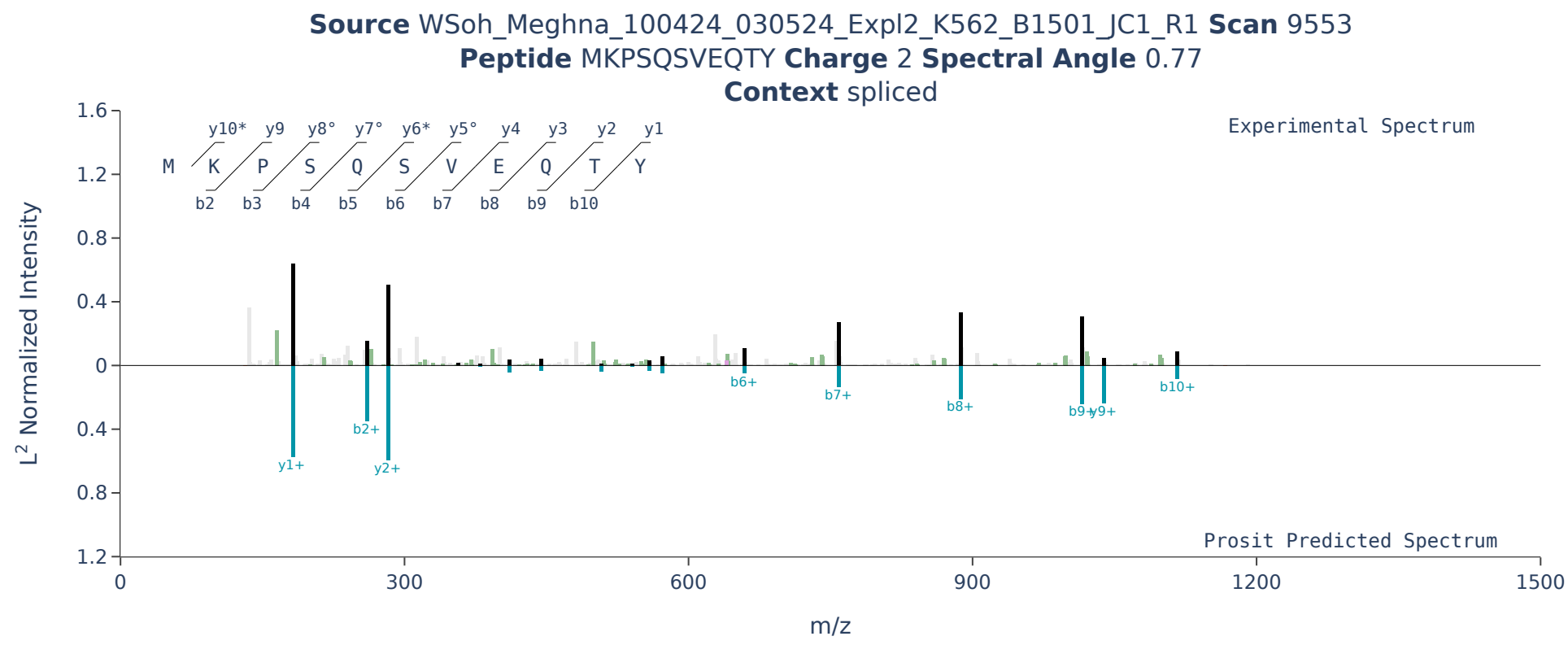
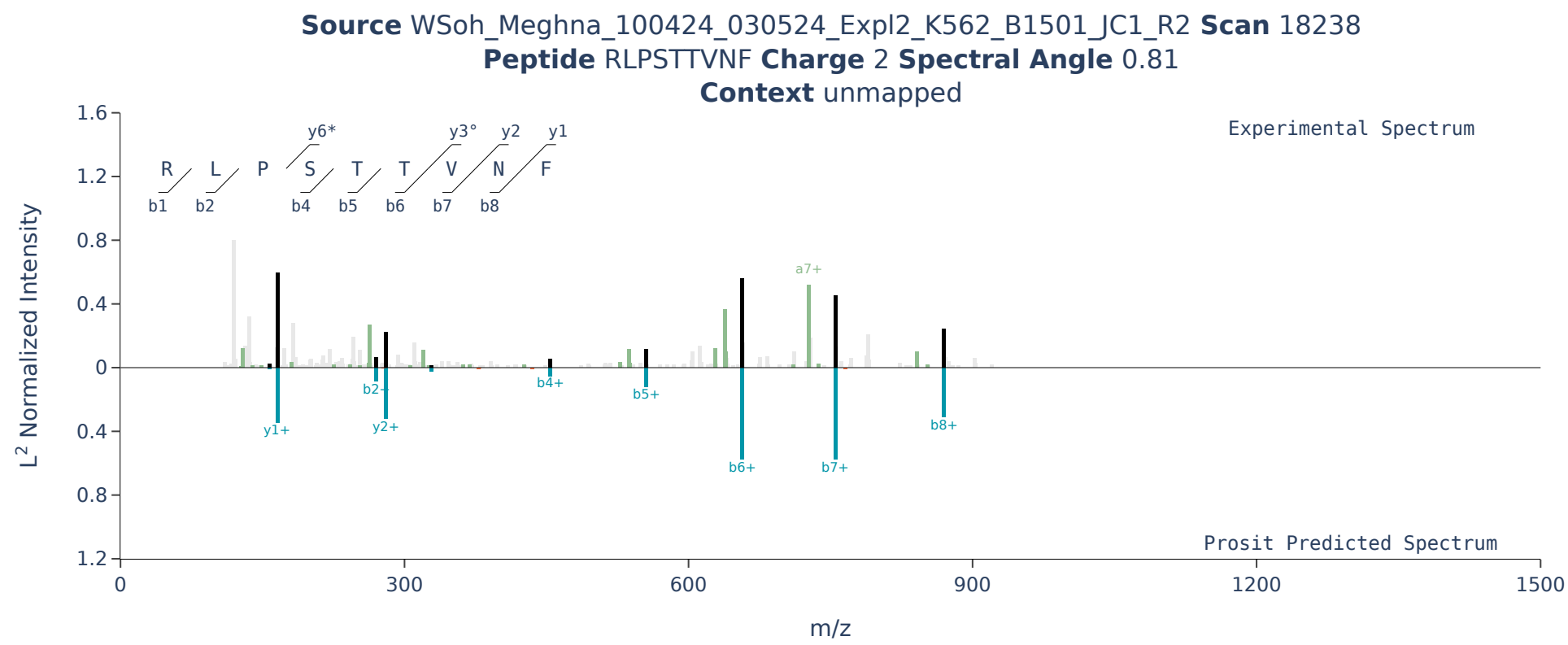
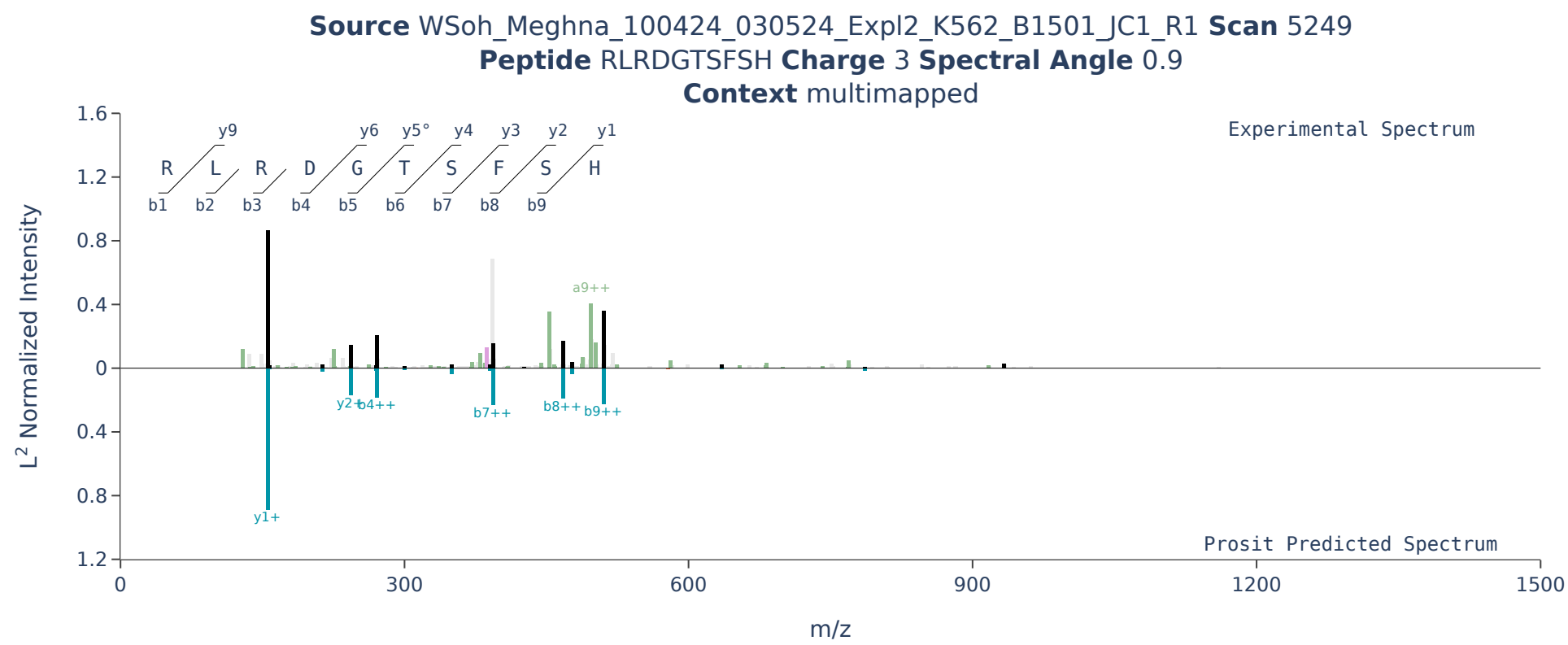
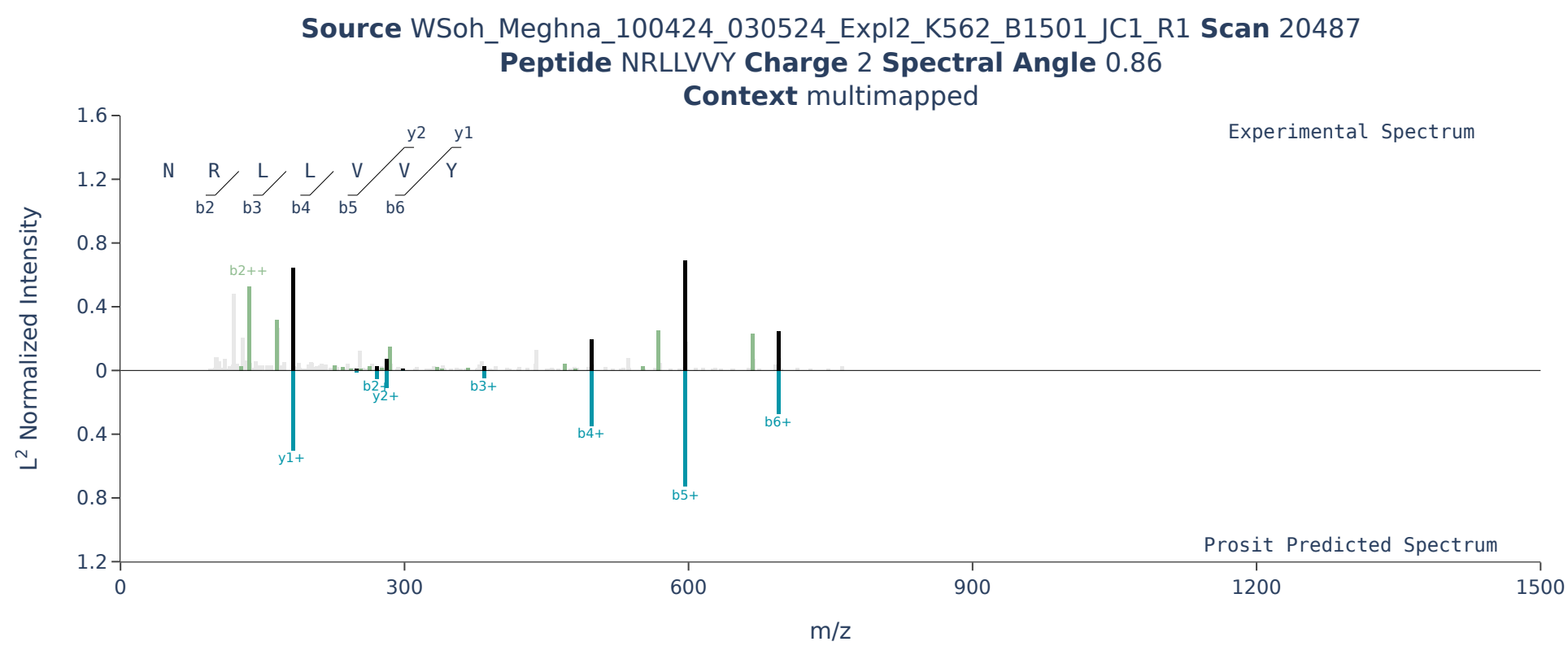




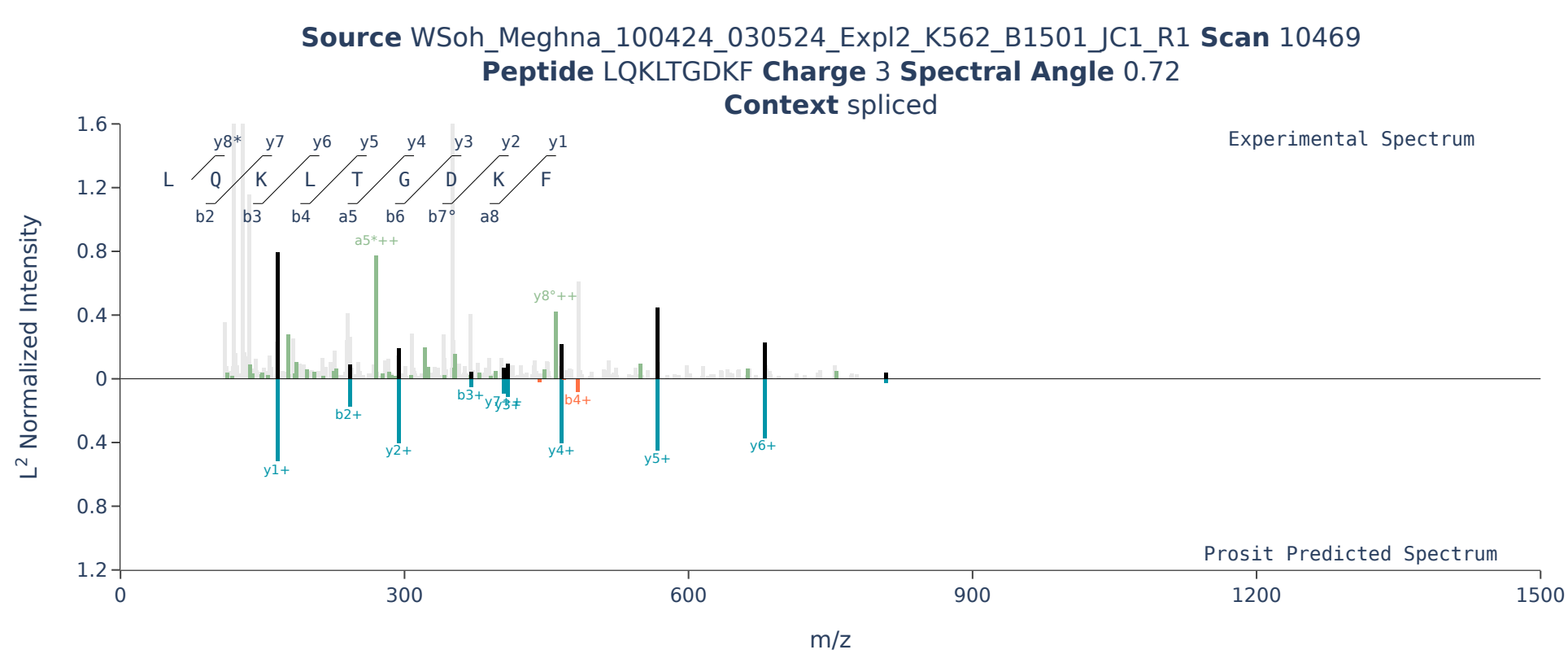
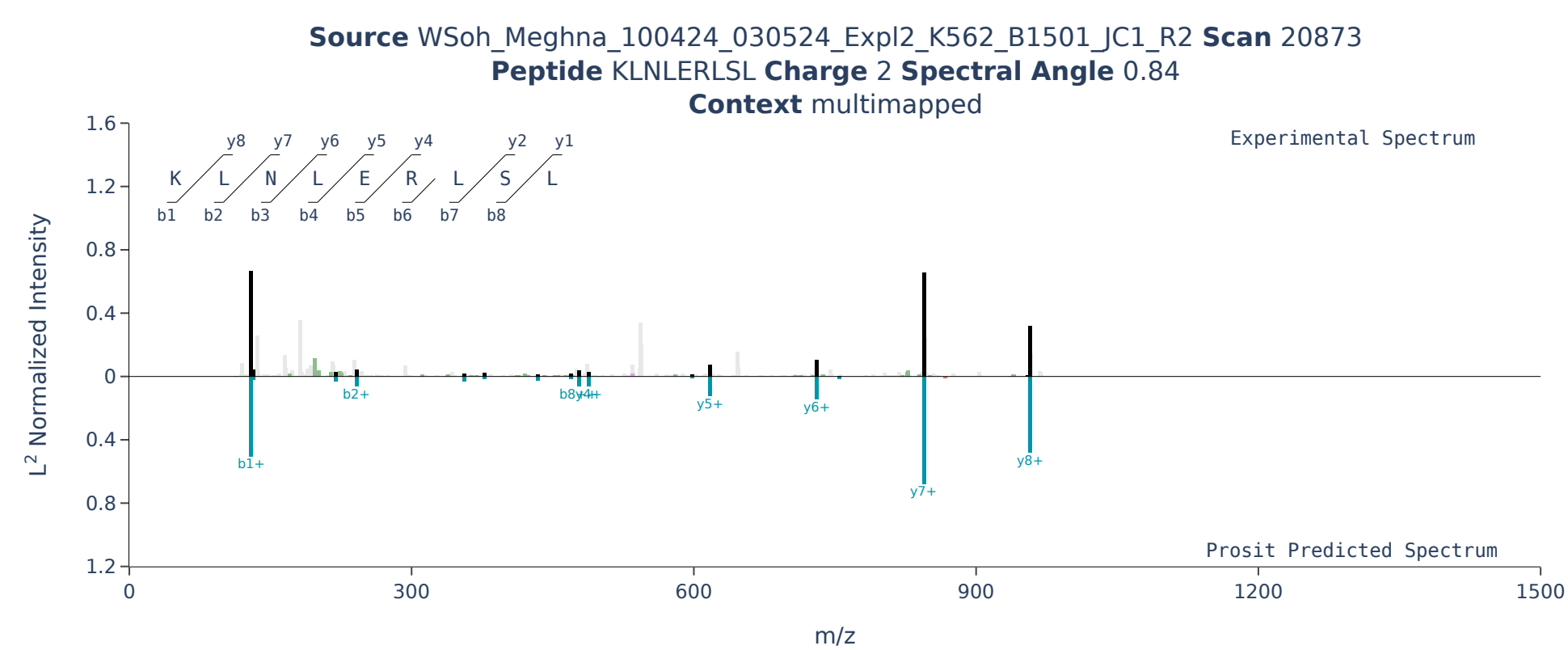
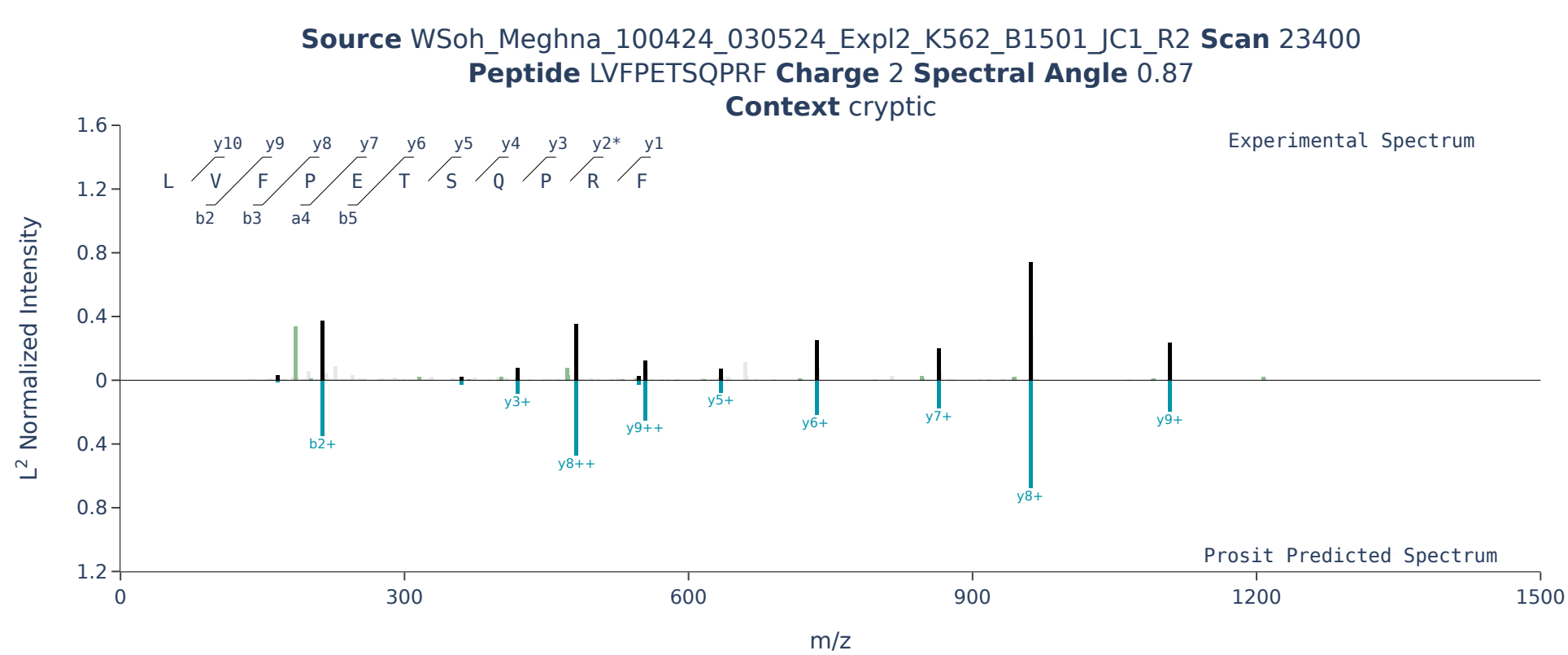
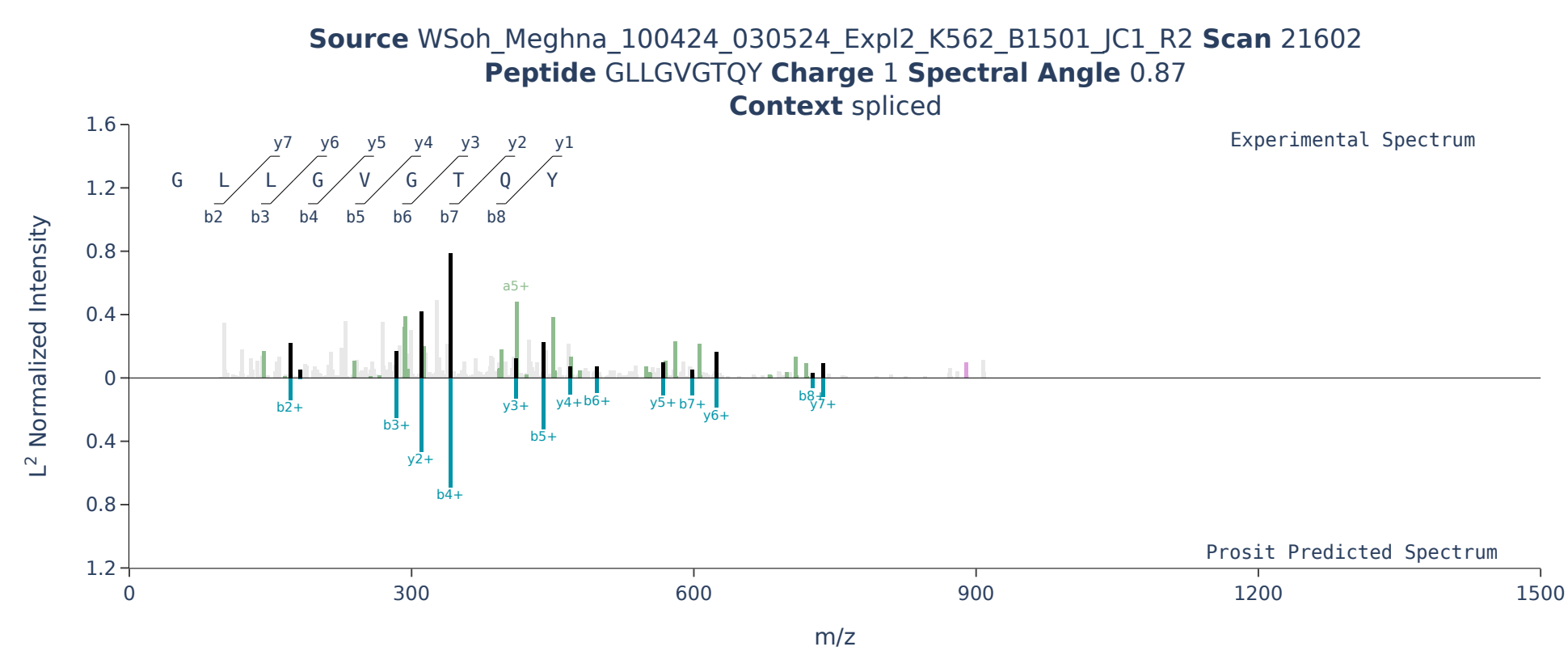
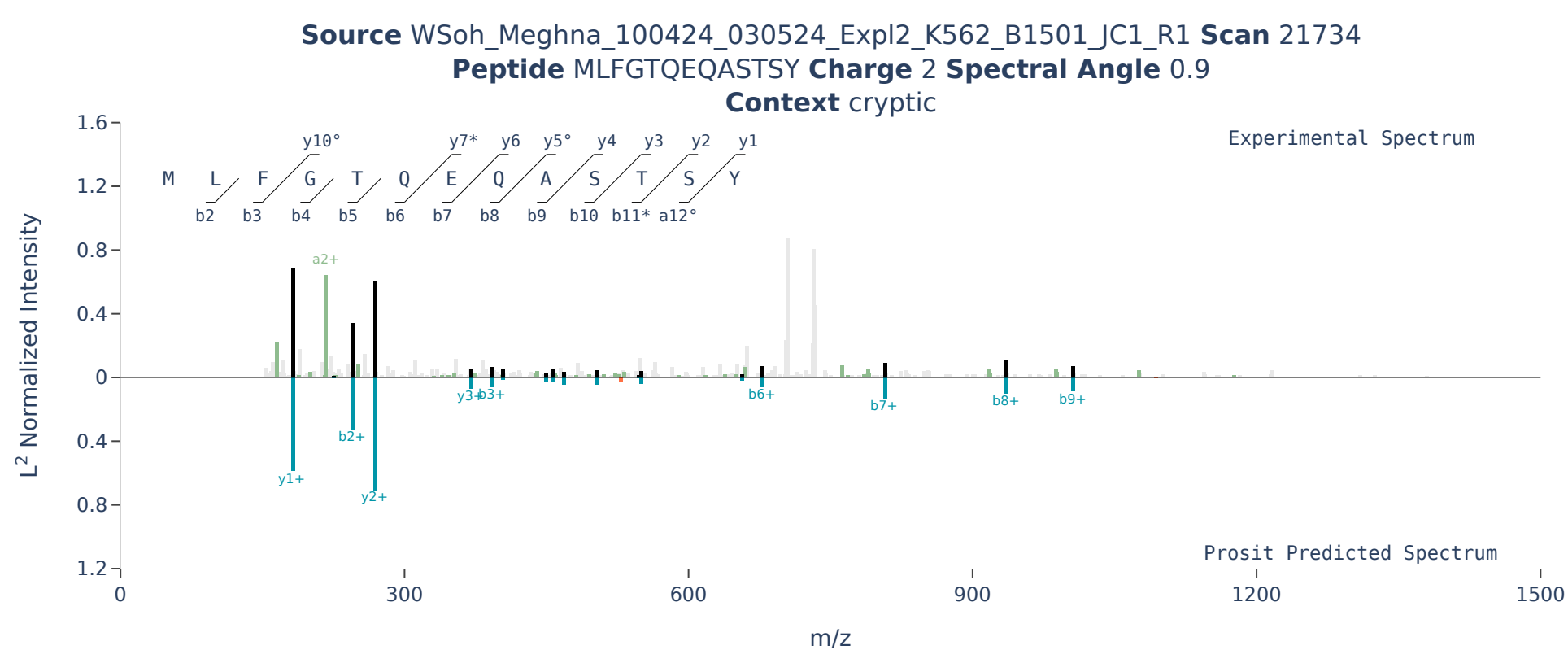
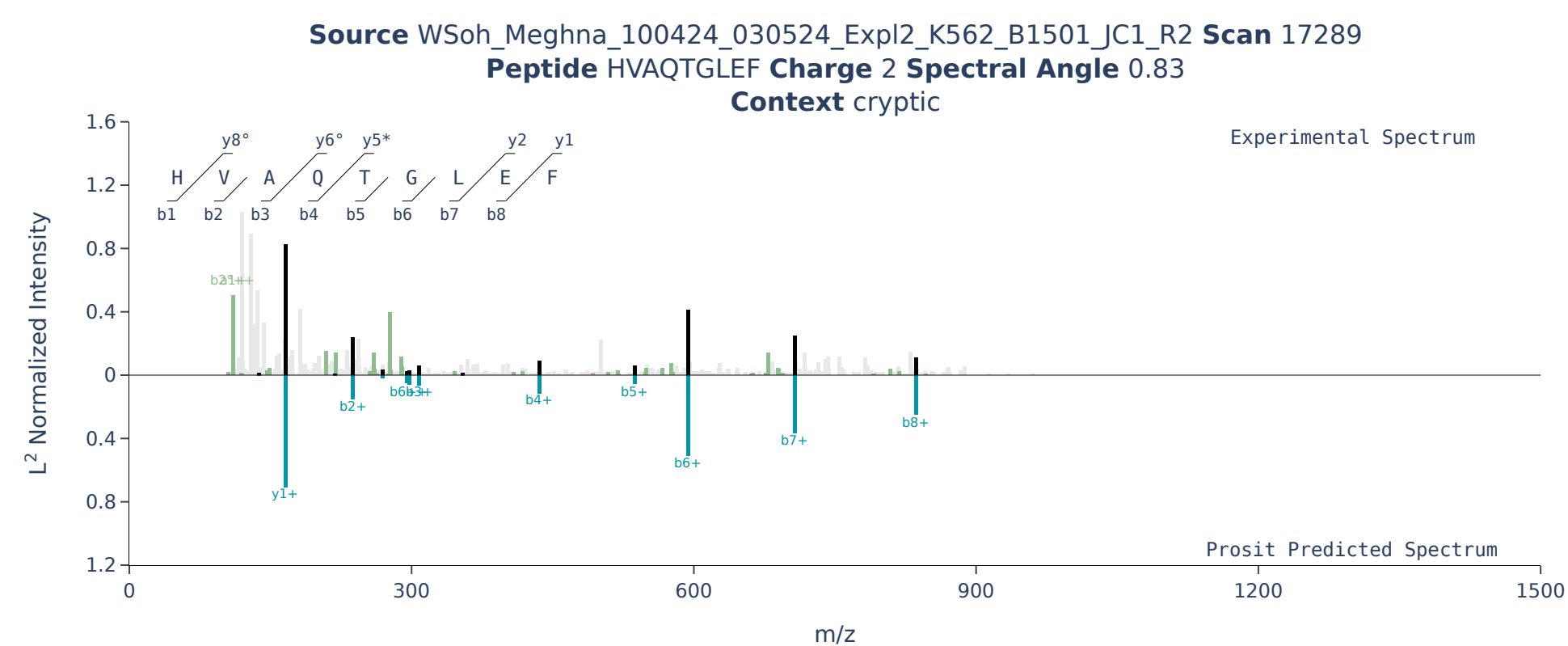
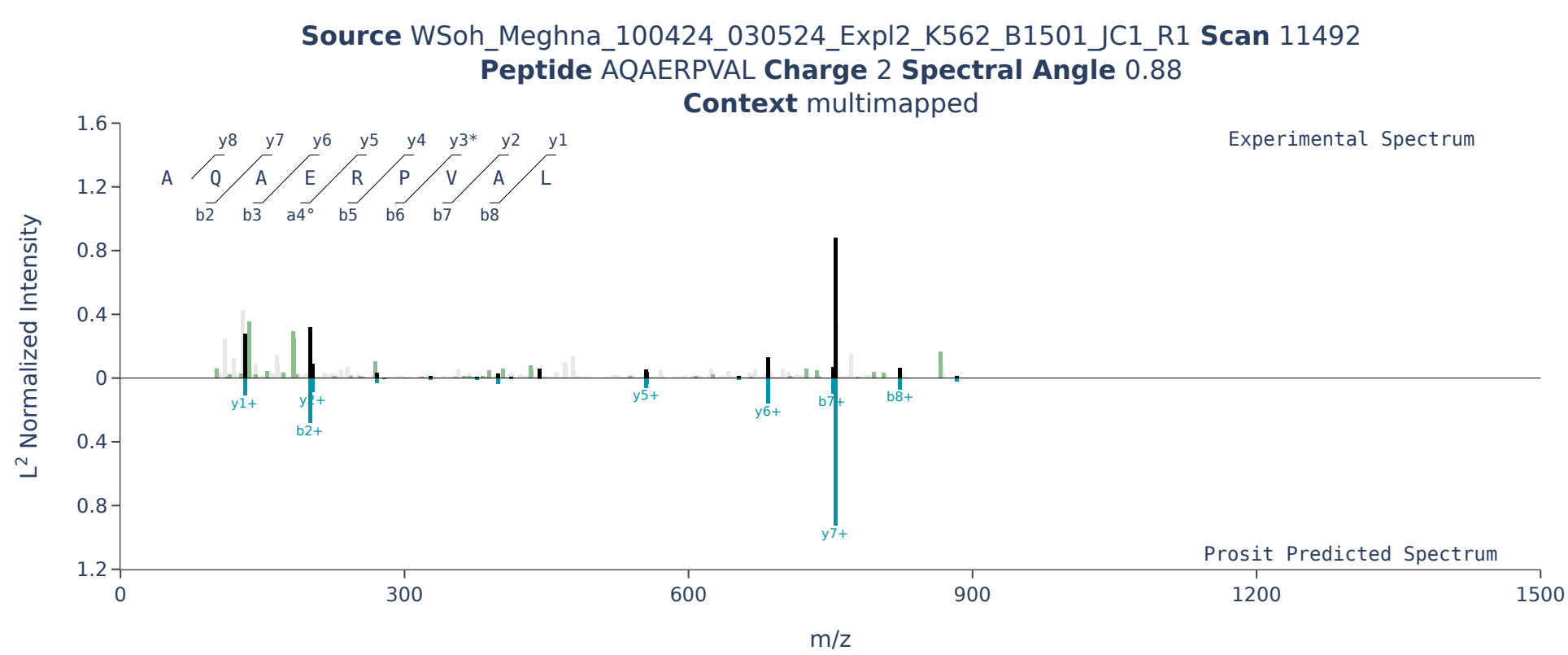
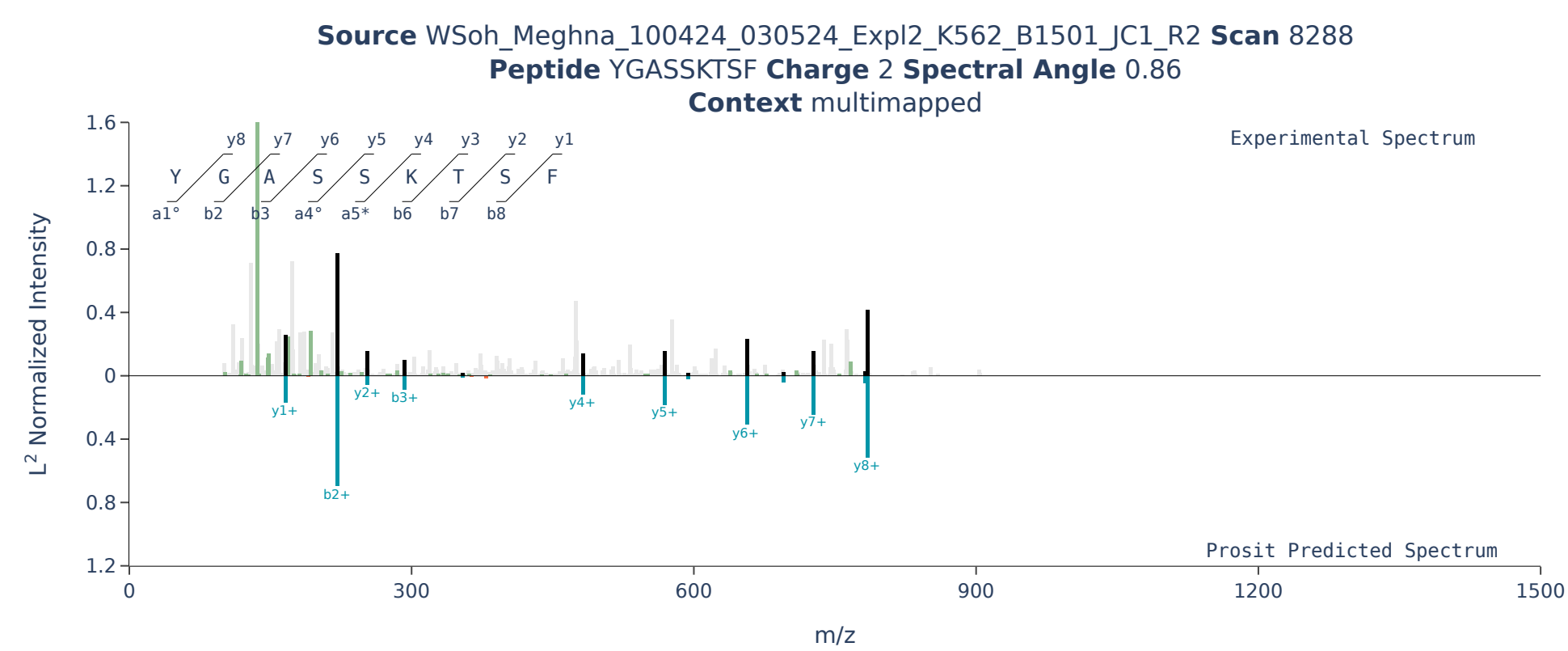
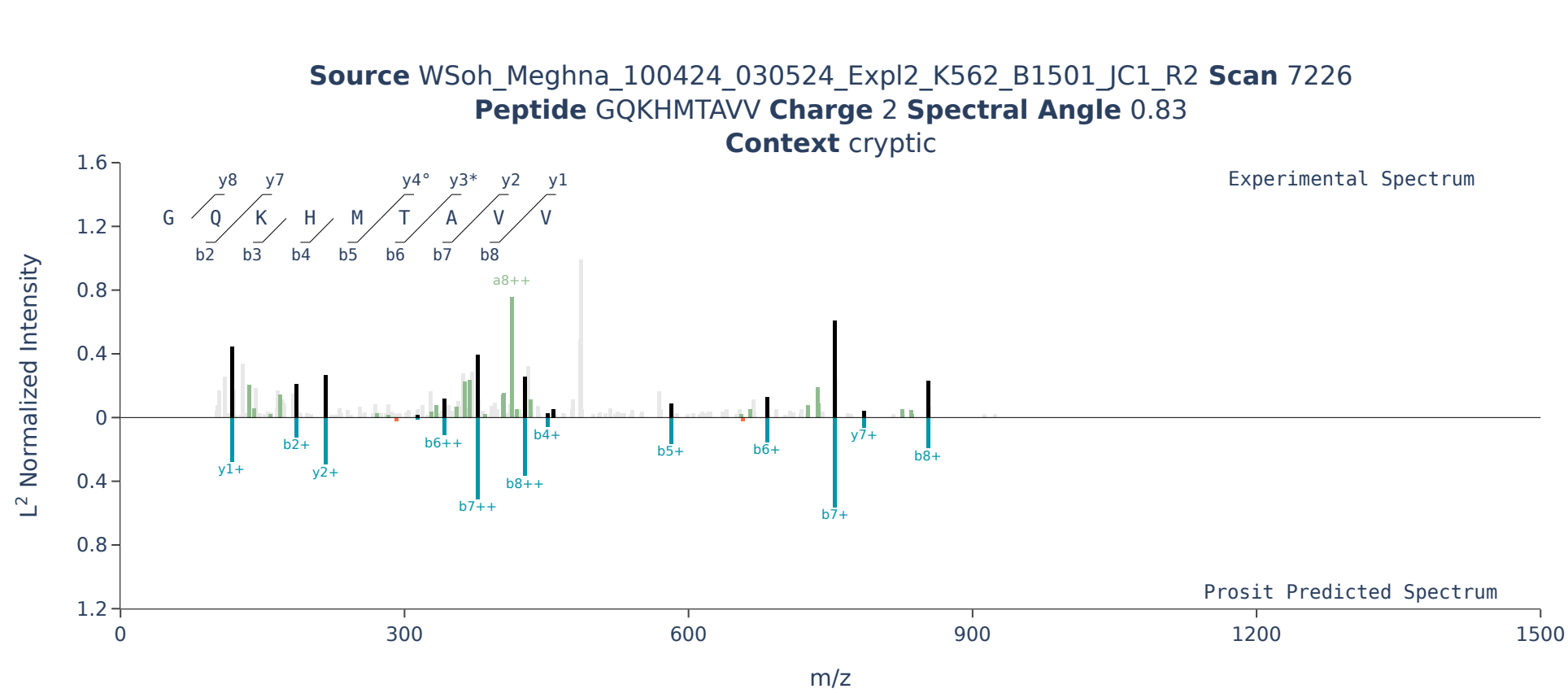
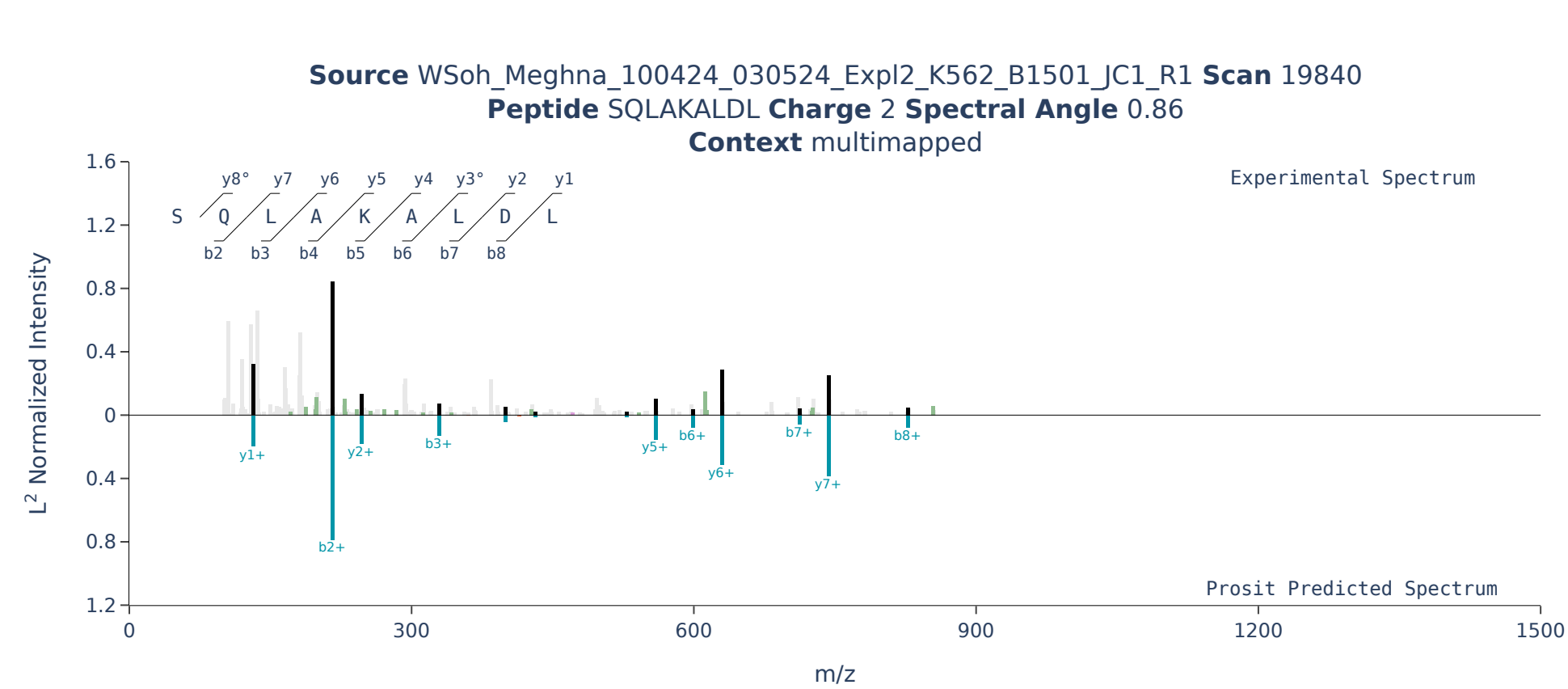


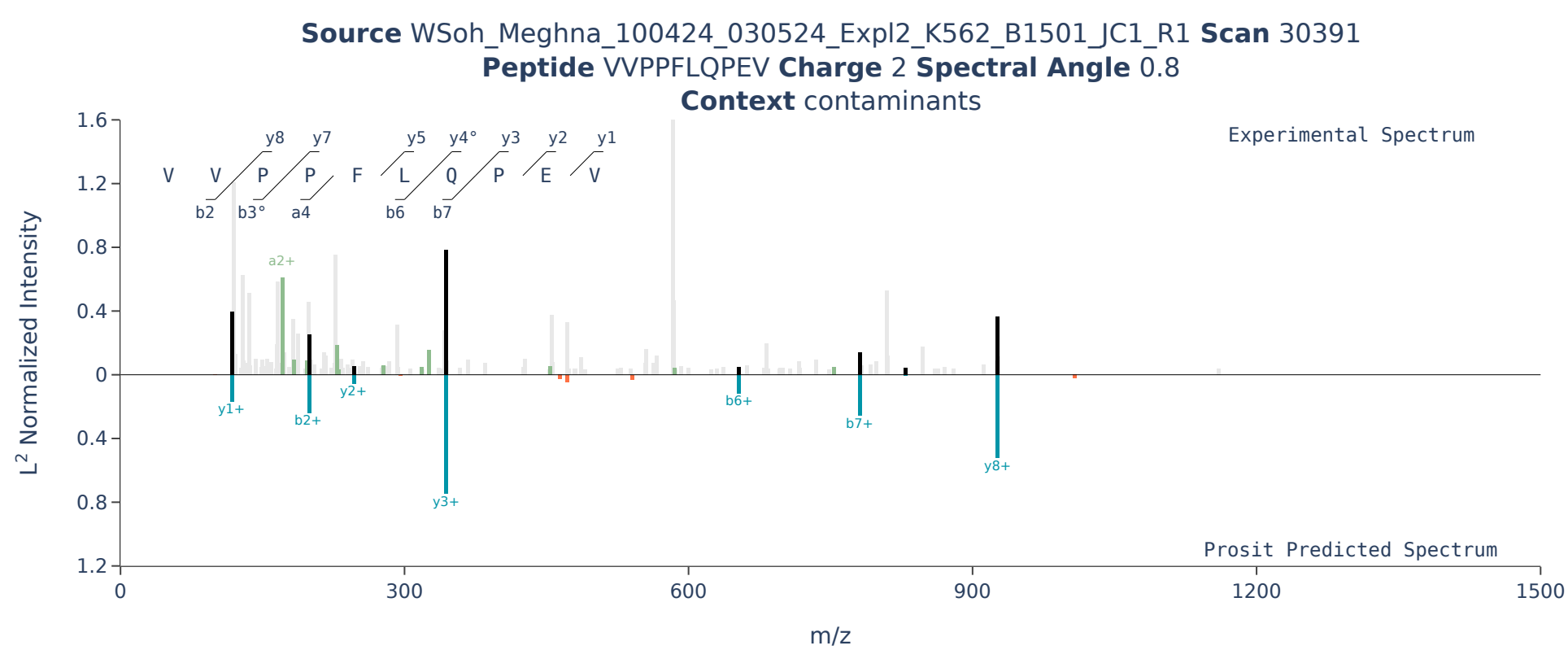
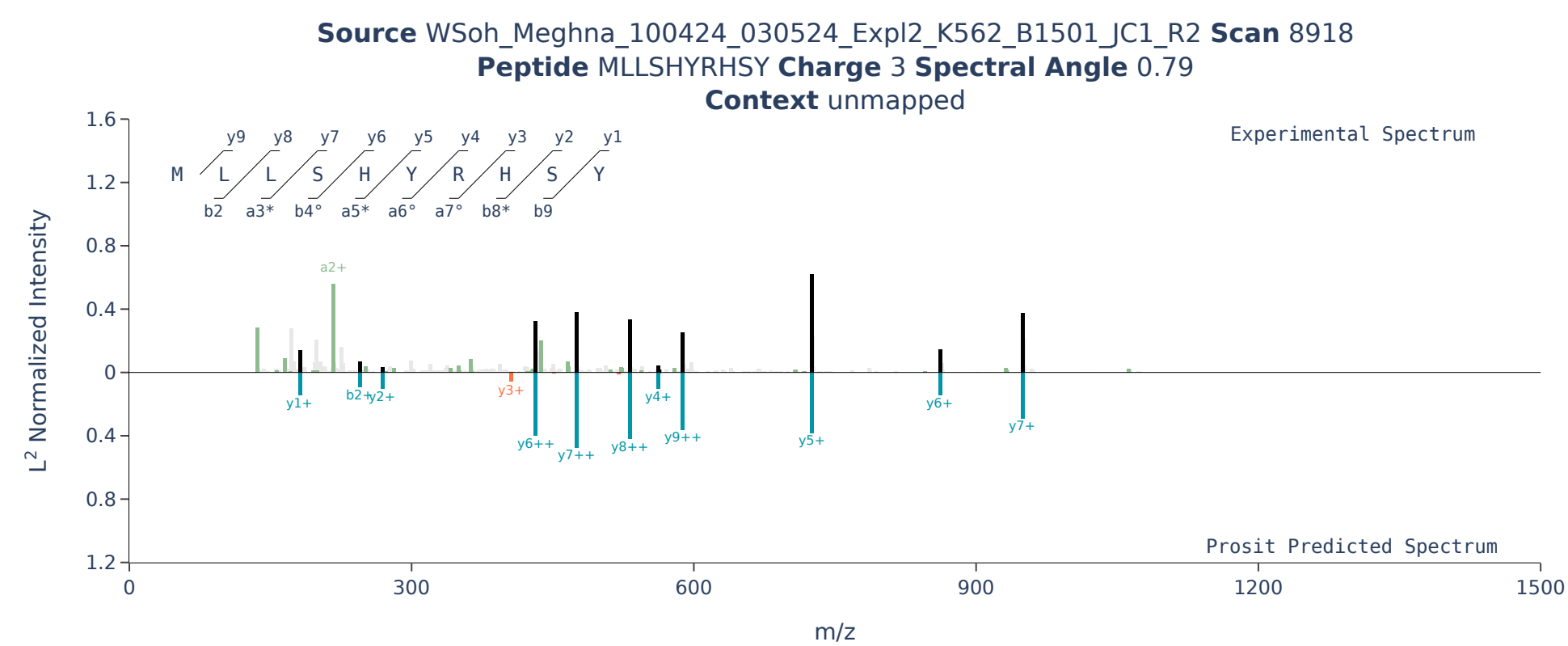
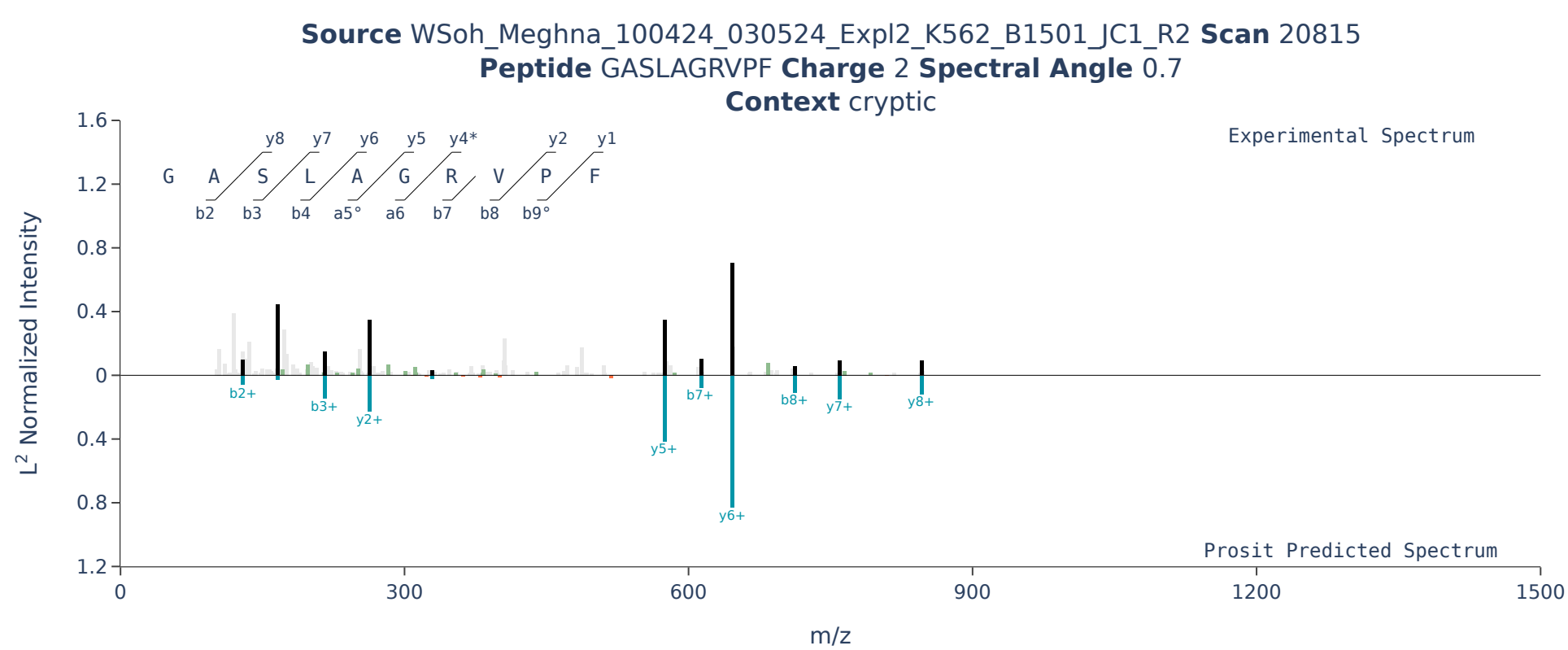
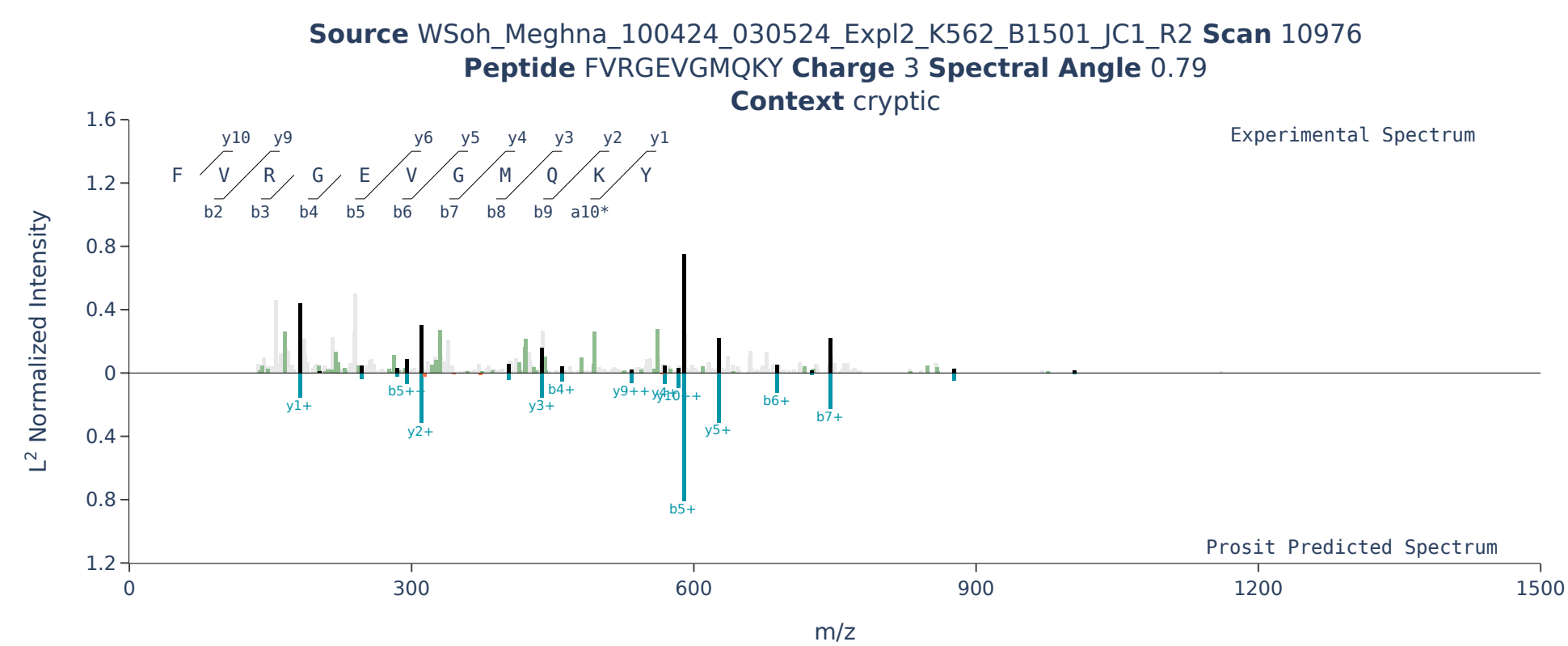
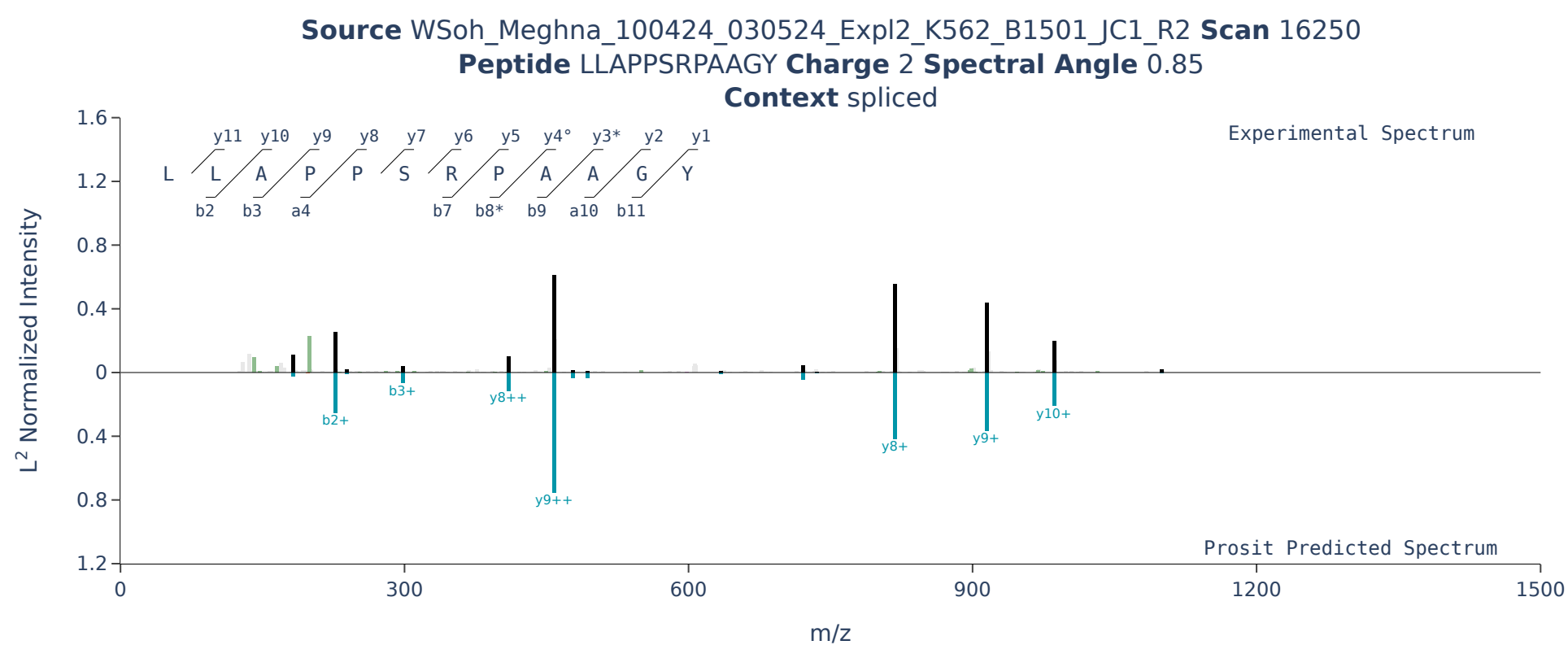
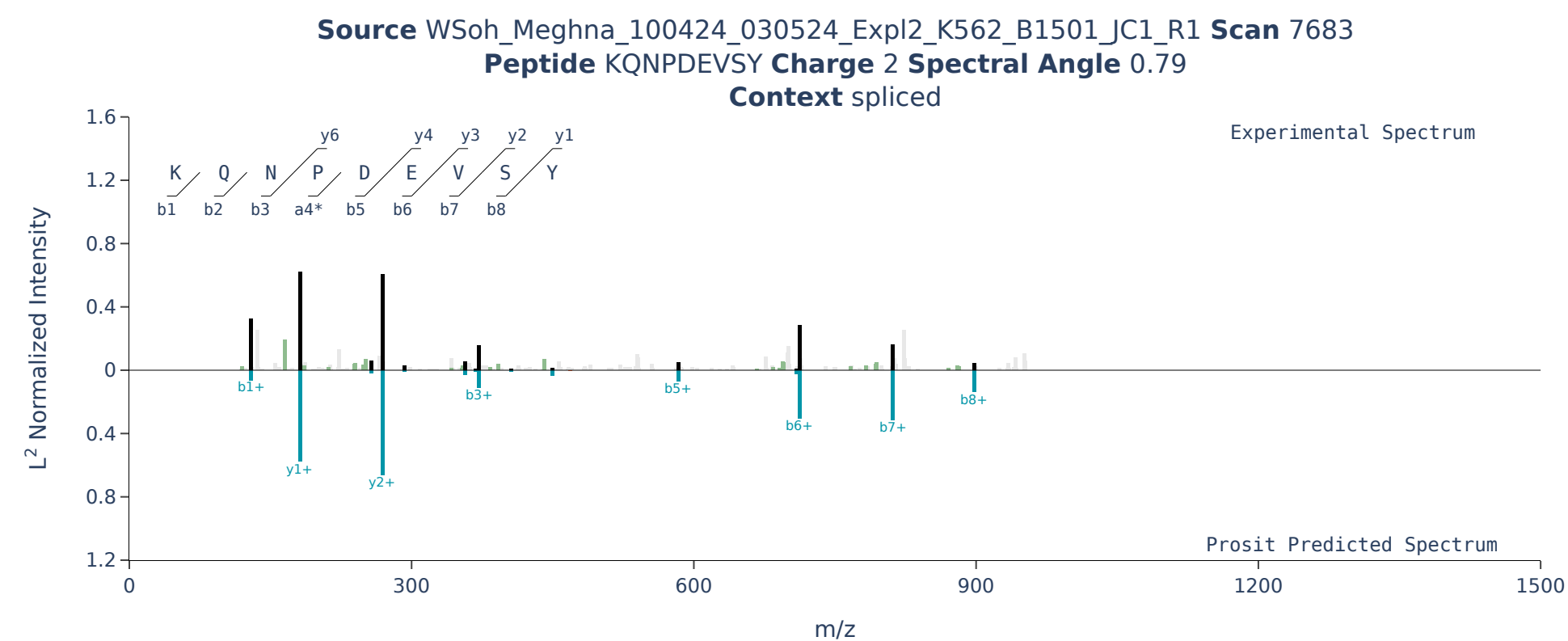
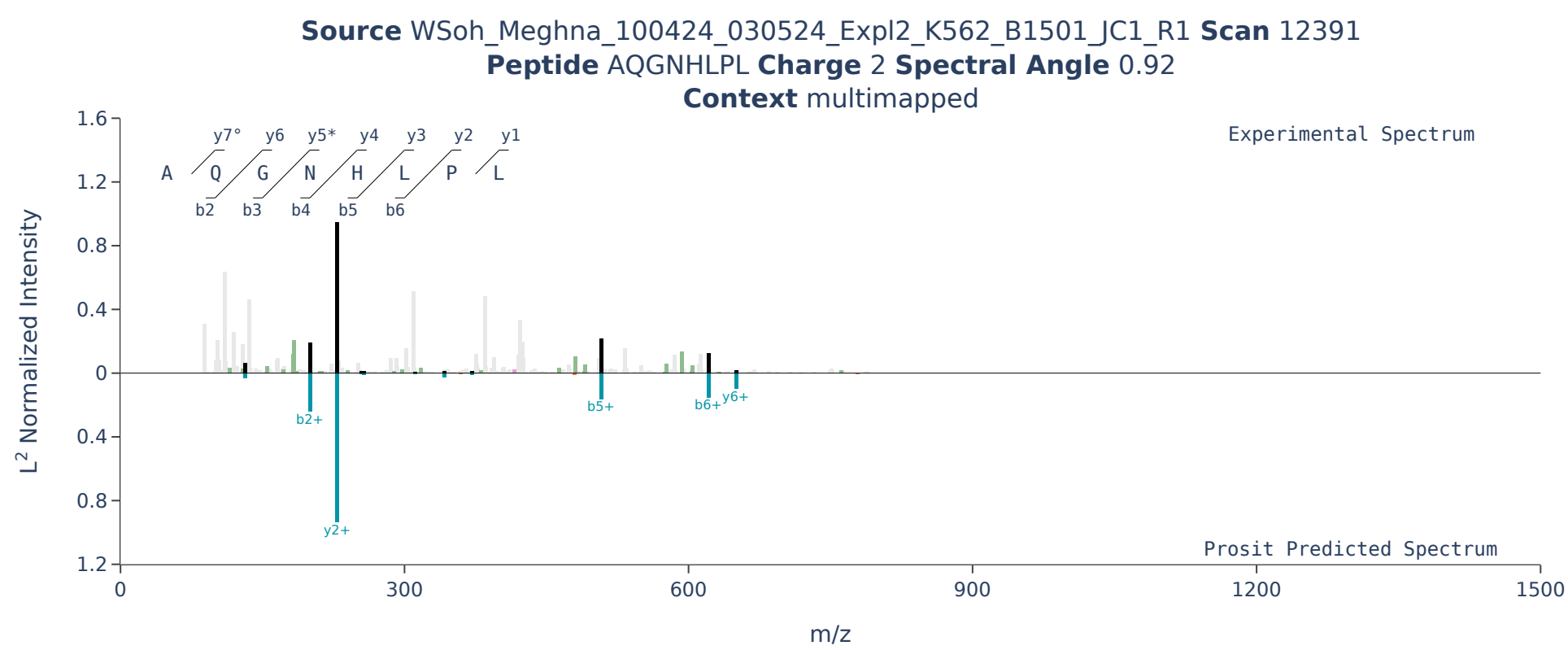
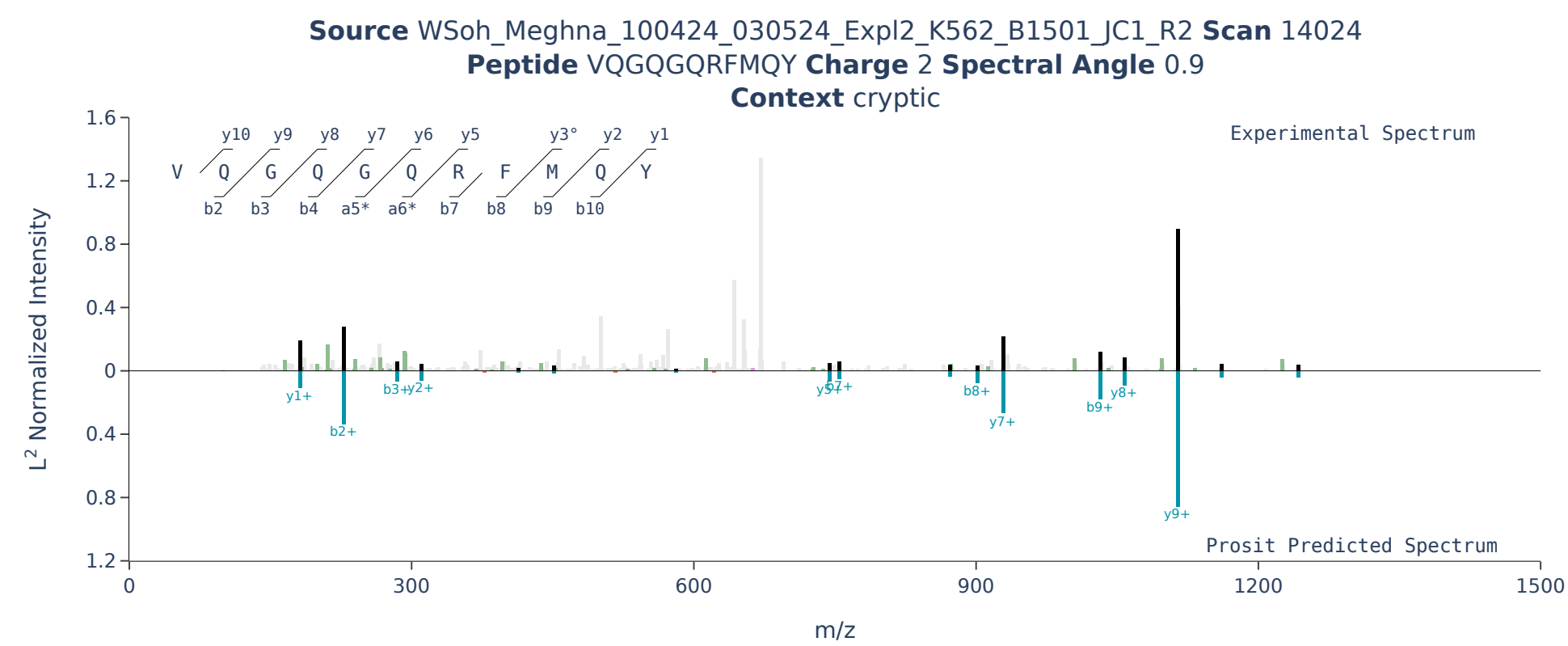
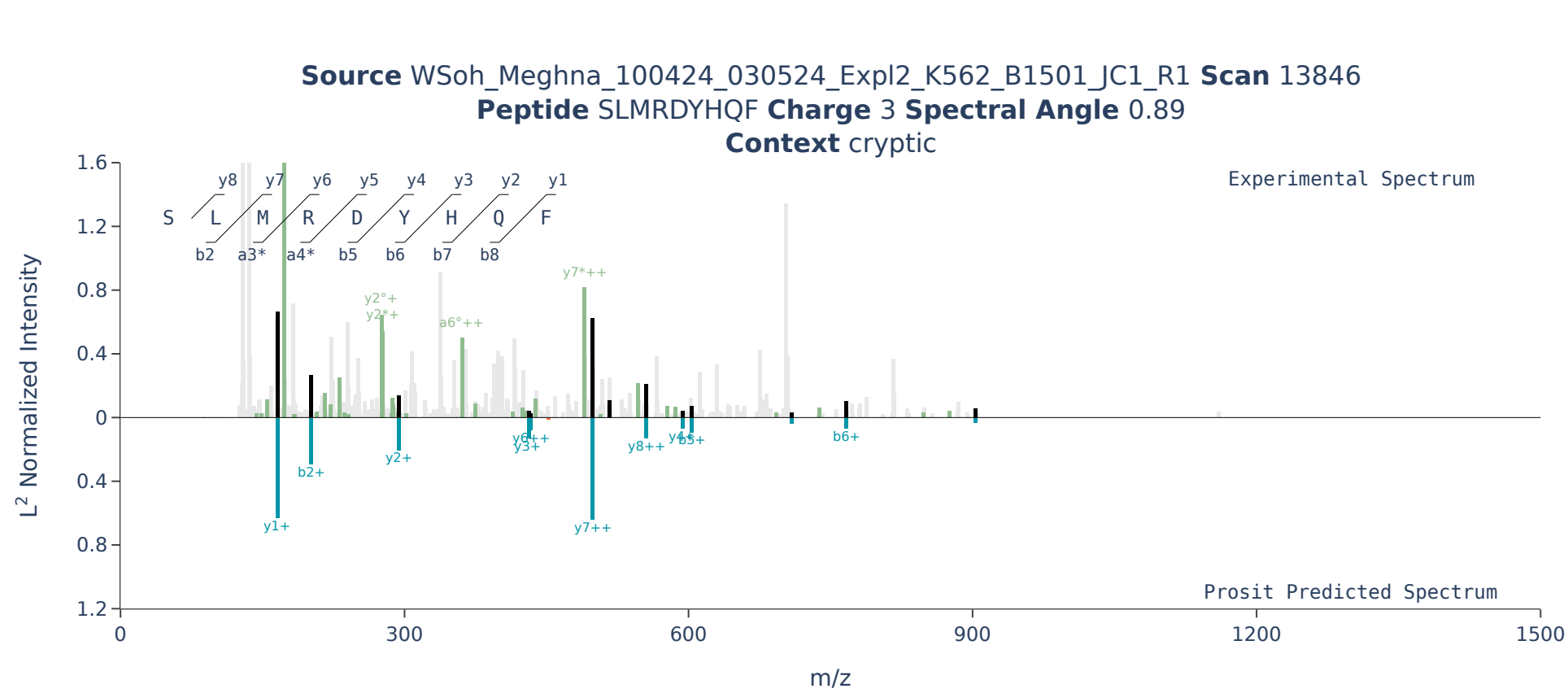
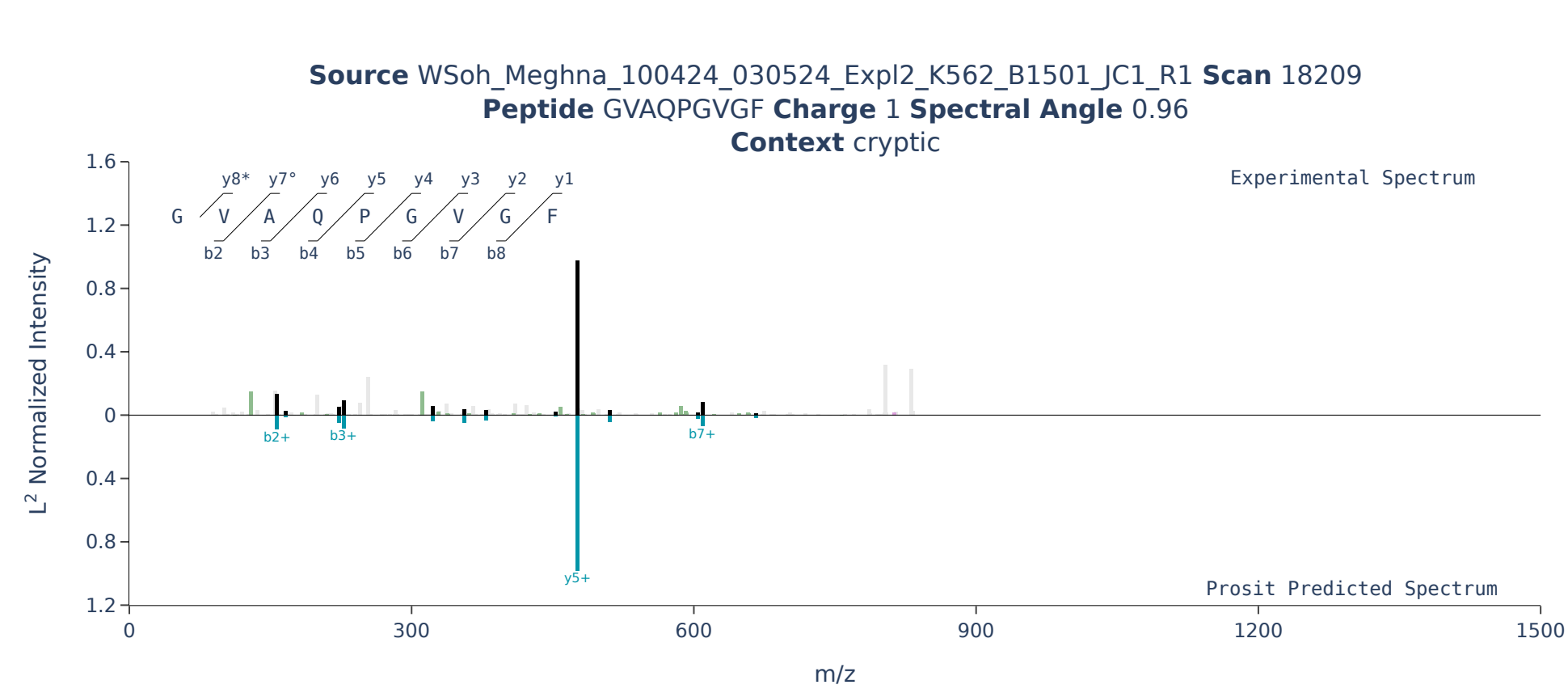




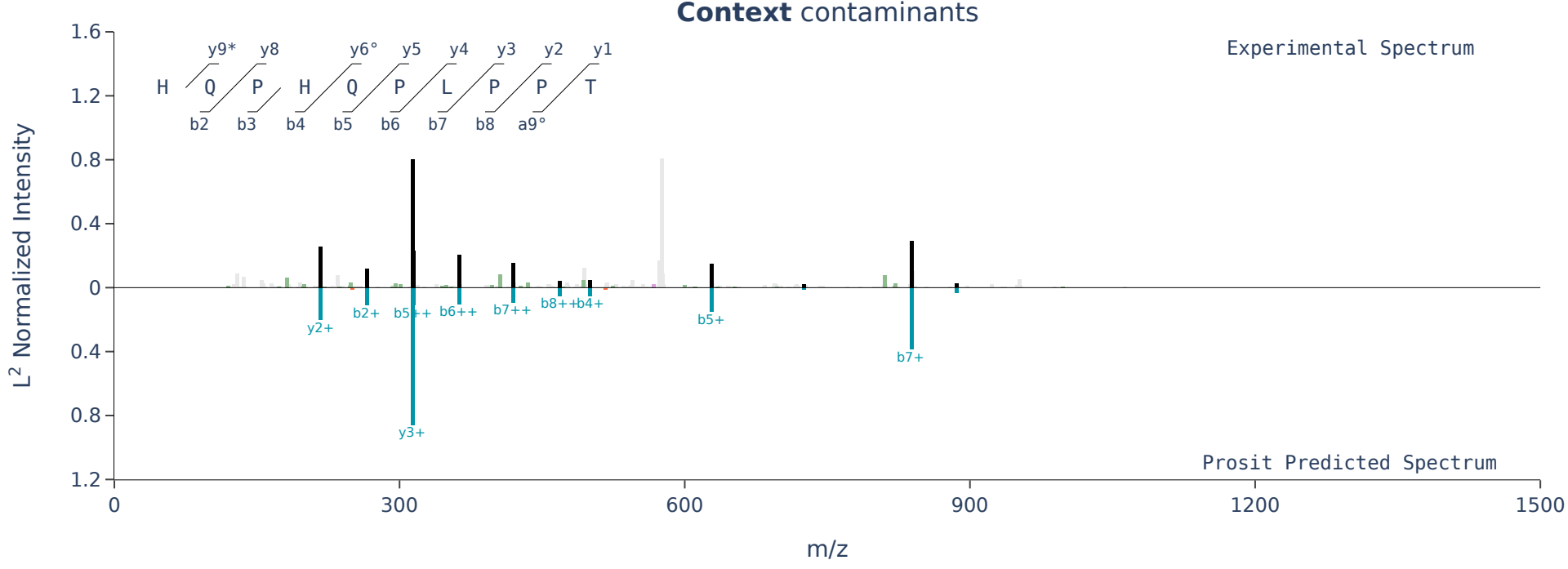




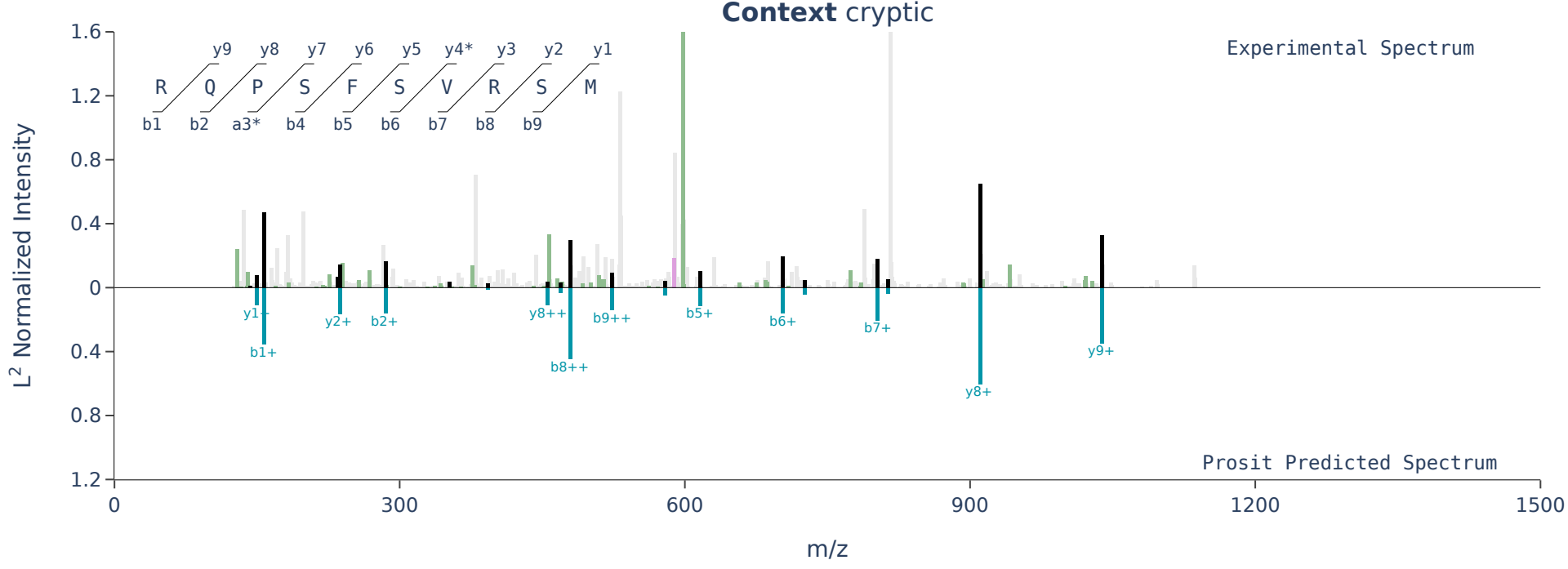




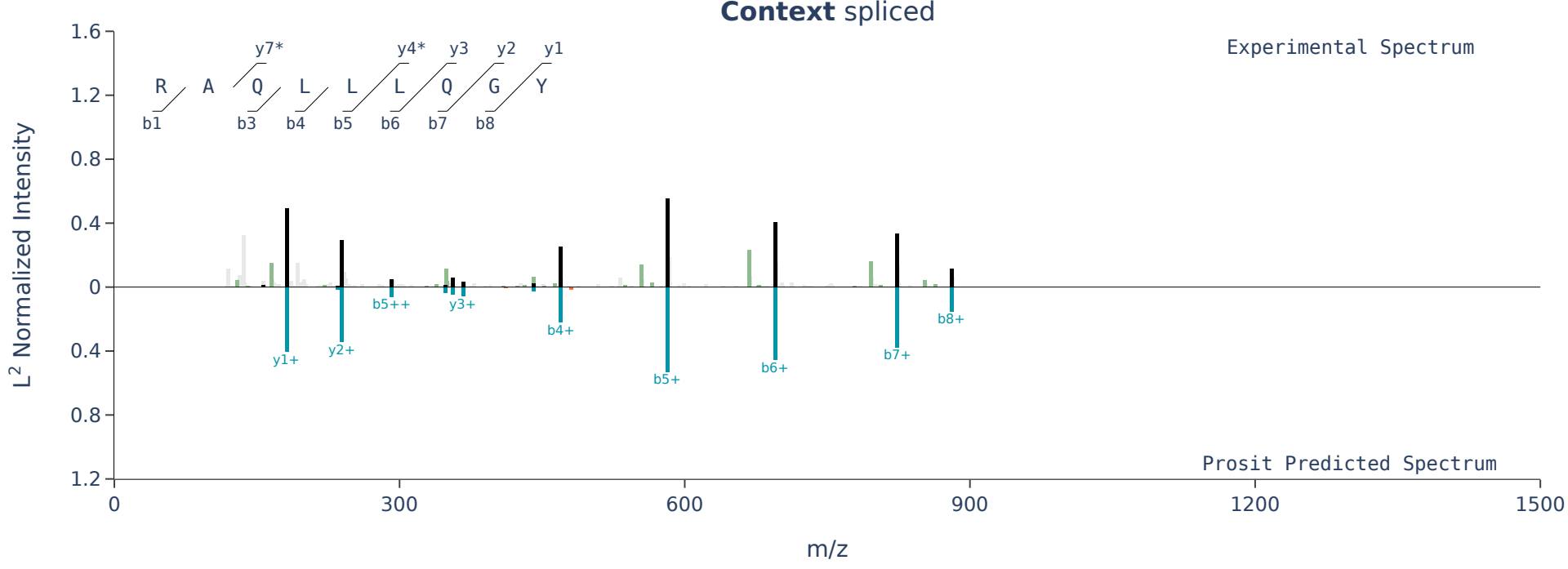
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Peptide HQPHQLPPT Charge 2 Spectral Angle 0.87



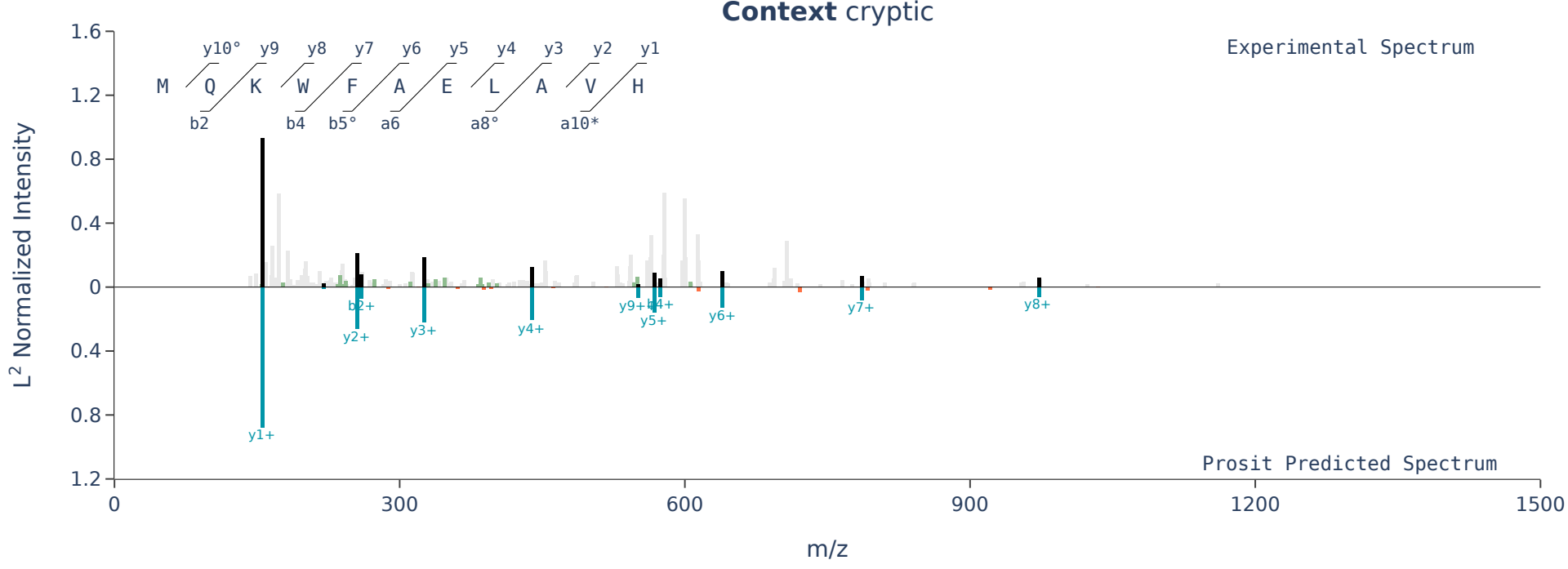
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Peptide RQPSFSVRSM Charge 2 Spectral Angle 0.86



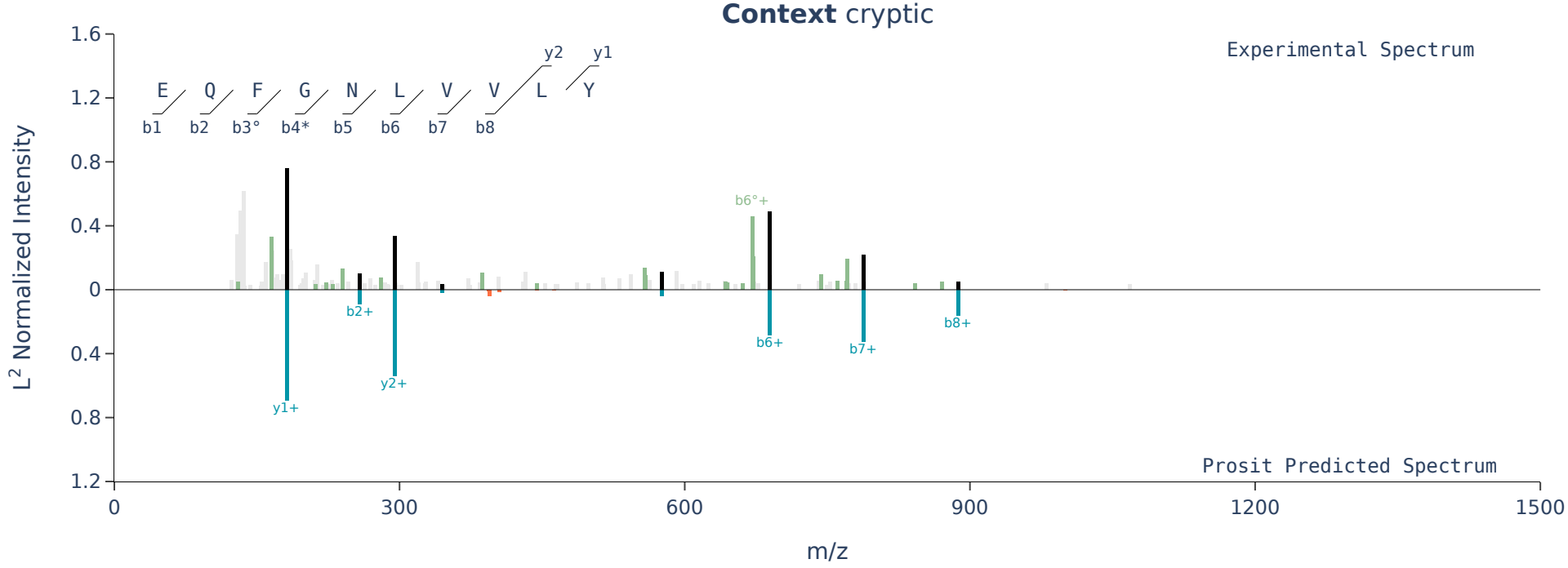
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Peptide RAQLLLQGY Charge 2 Spectral Angle 0.91



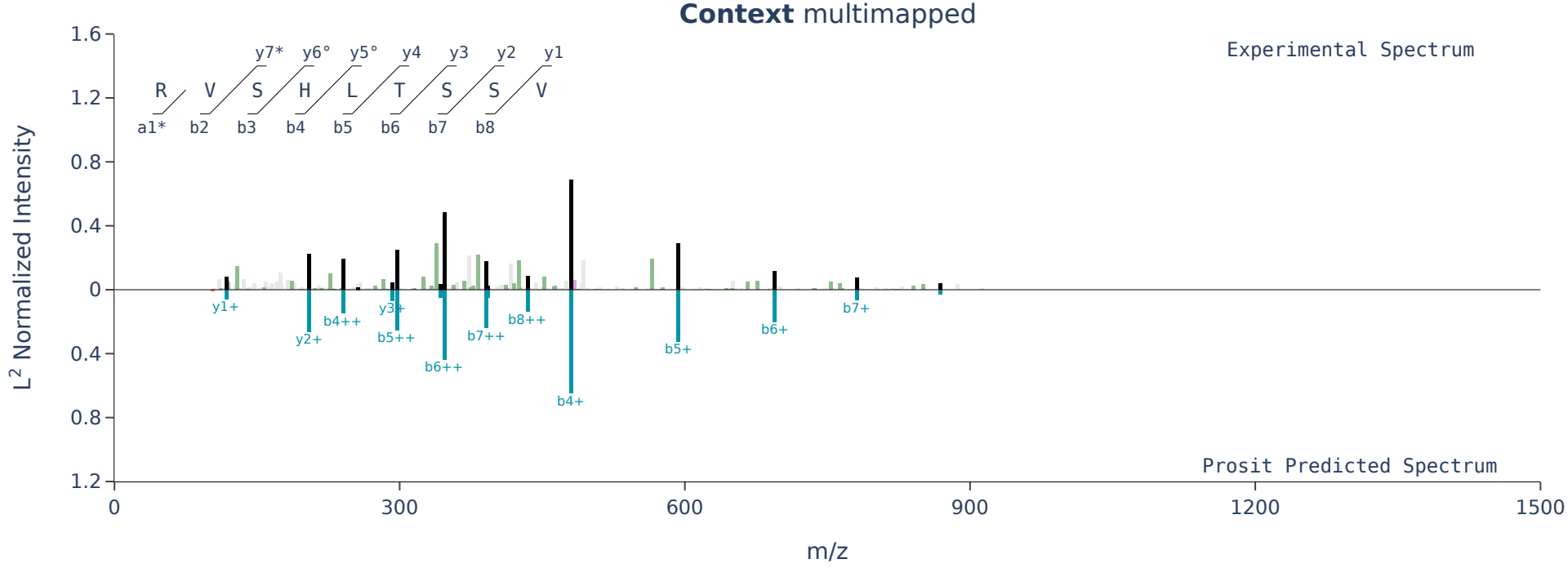
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Peptide MQKWFALAVH Charge 3 Spectral Angle 0.9



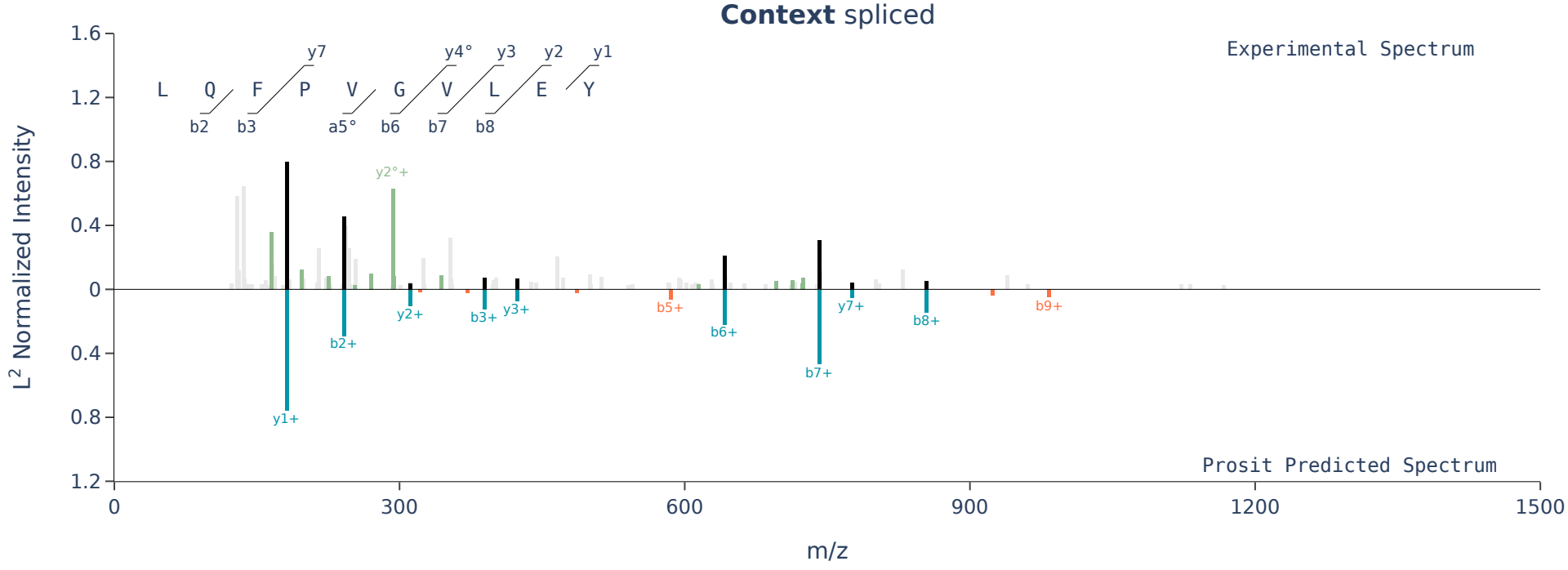
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Peptide EQFGNLVLY Charge 2 Spectral Angle 0.78



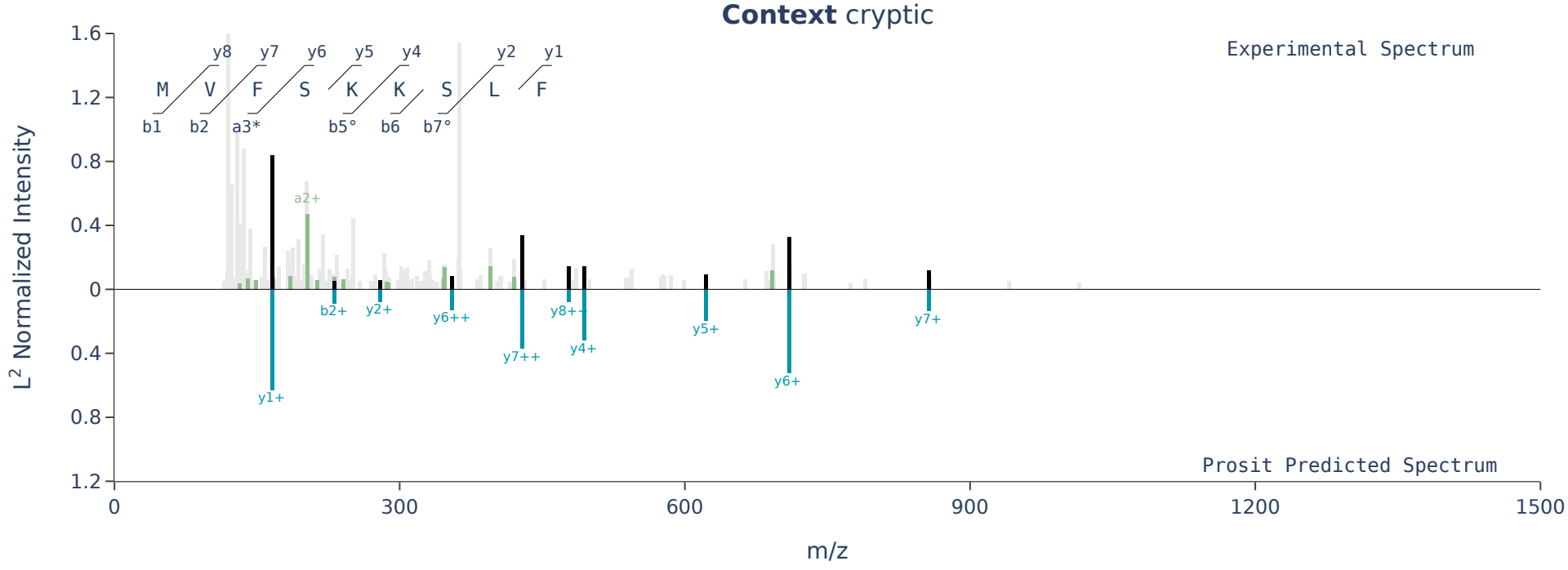
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Peptide RVSHLTSSV Charge 2 Spectral Angle 0.9



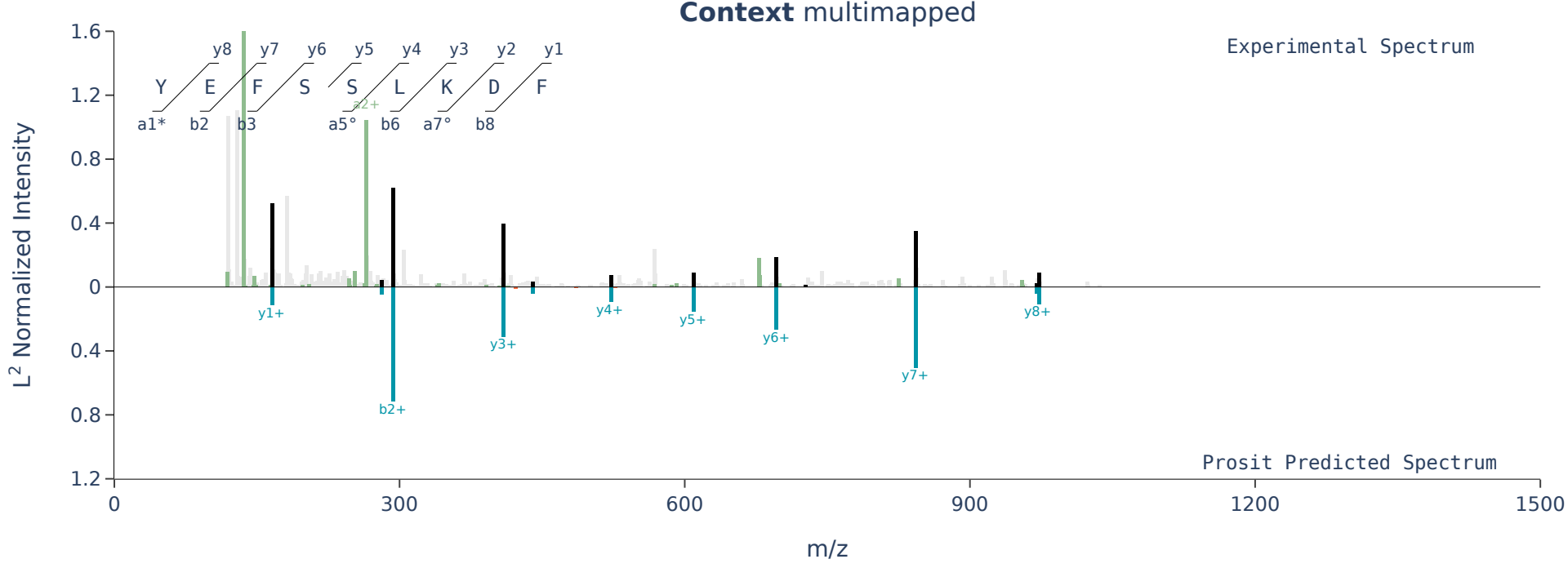
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Peptide LQFPGVLVEY Charge 2 Spectral Angle 0.82



Source WSoh\_Meghna\_100424\_030524\_ExpI2\_K562\_B1501\_JC1\_R2 Scan 19553  
Peptide MVFSKSLF Charge 3 Spectral Angle 0.77



Source WSoh\_Meghna\_100424\_030524\_ExpI2\_K562\_B1501\_JC1\_R1 Scan 22676  
Peptide YEFSLKDF Charge 2 Spectral Angle 0.7



Source WSoh\_Meghna\_100424\_030524\_ExpI2\_K562\_B1501\_JC1\_R1 Scan 30458  
Peptide SLLPKTWPF Charge 2 Spectral Angle 0.9

