

Supplementary Data 4

Analysis of protein-DNA interactions in chromatin by UV induced cross-linking and mass spectrometry

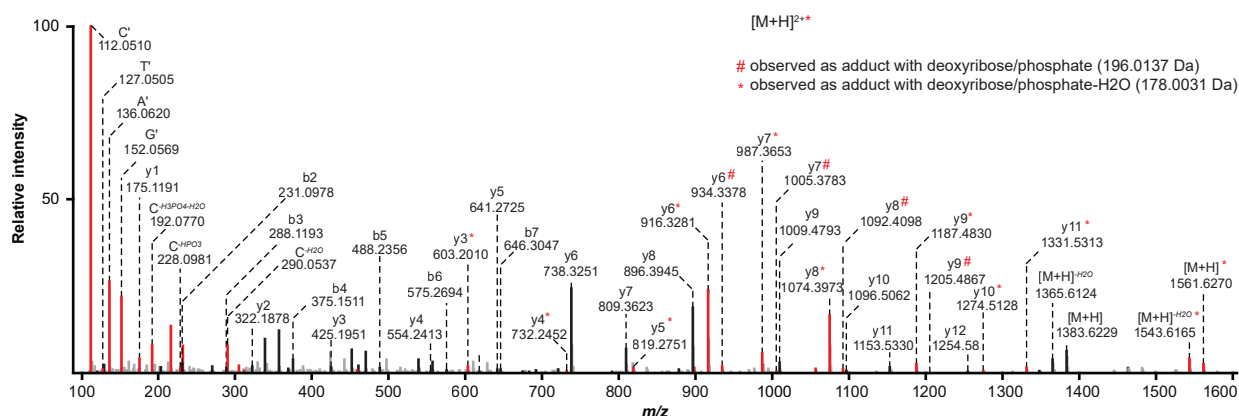
Stützer *et al.*

List of contents

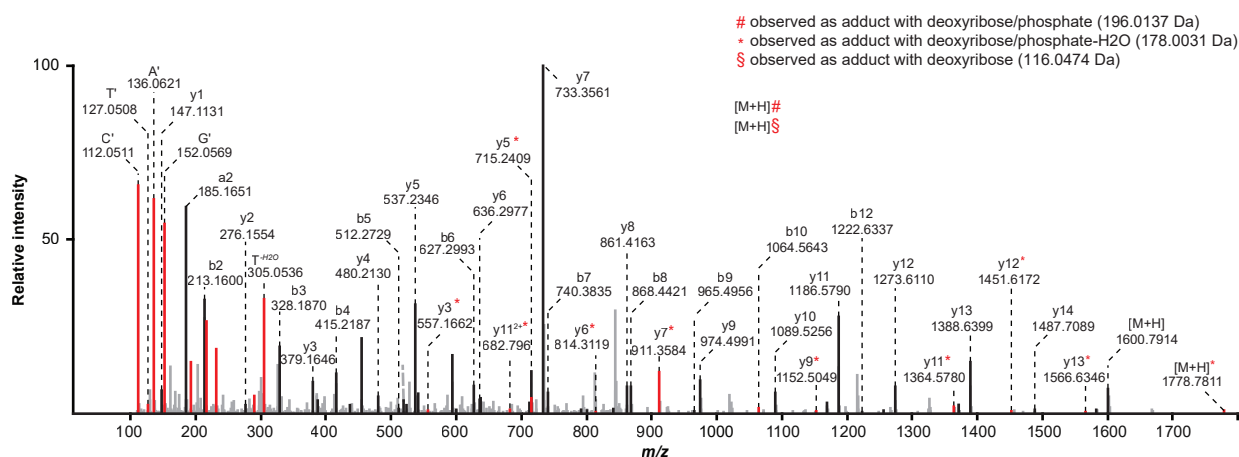
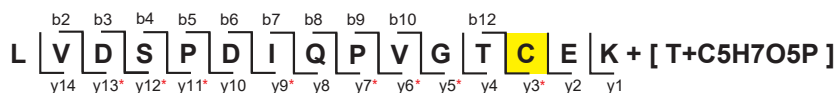
Annotated MS/MS spectra of SCML2	p. 1-5
TOPPView MS/MS spectra of SCML2 UV XL	p. 6-9
TOPPView MS/MS spectra of SCML2 CTRL	p. 9-11
TOPPView MS/MS spectra of SCML2 UV XL + H1.4	p. 11-16
TOPPView MS/MS spectra of SCML2 CTRL + H1.4	p. 16-18

Annotated MS/MS spectra of SCML2

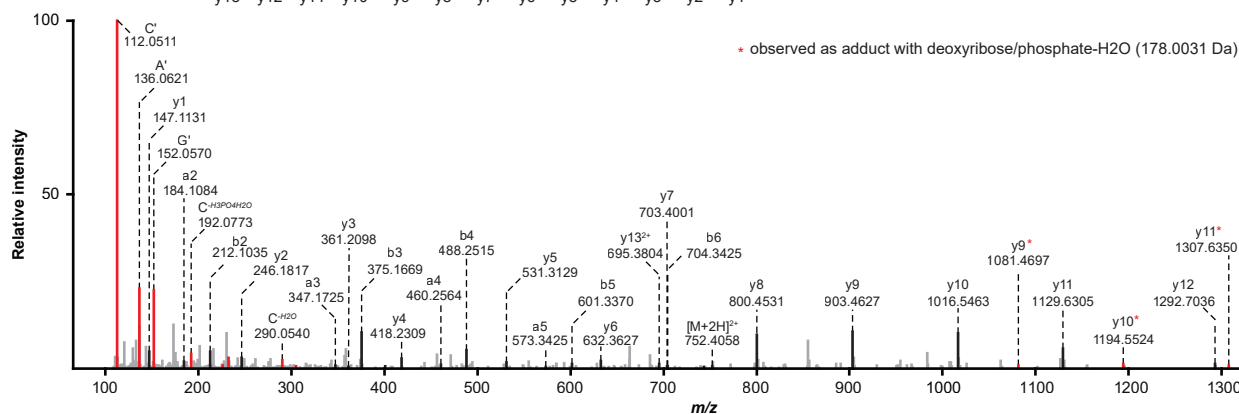
1) SCML2, aa 41-53



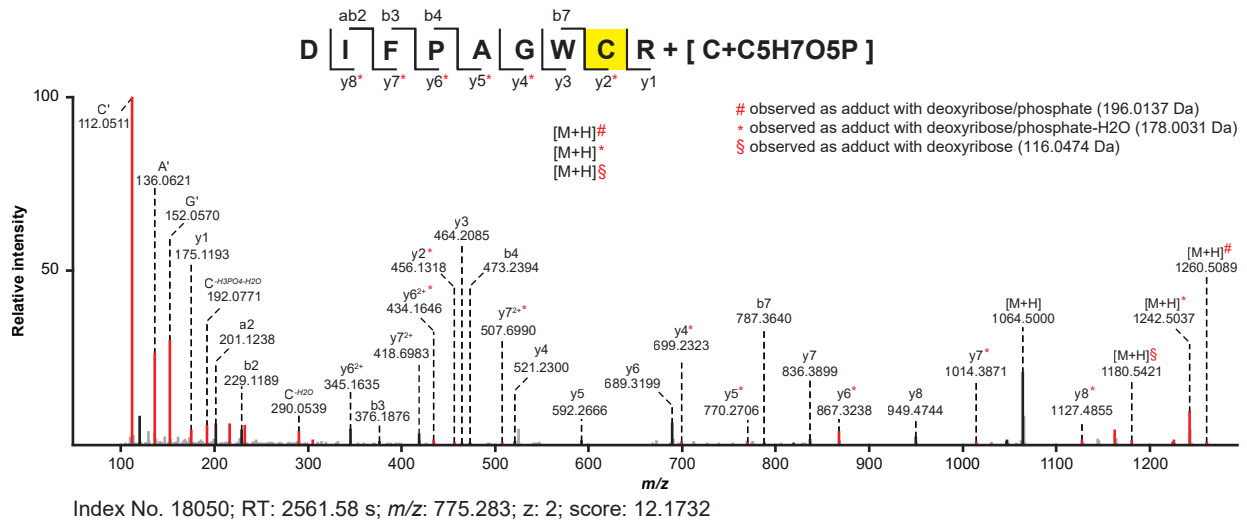
2) SCML2, aa 109-123



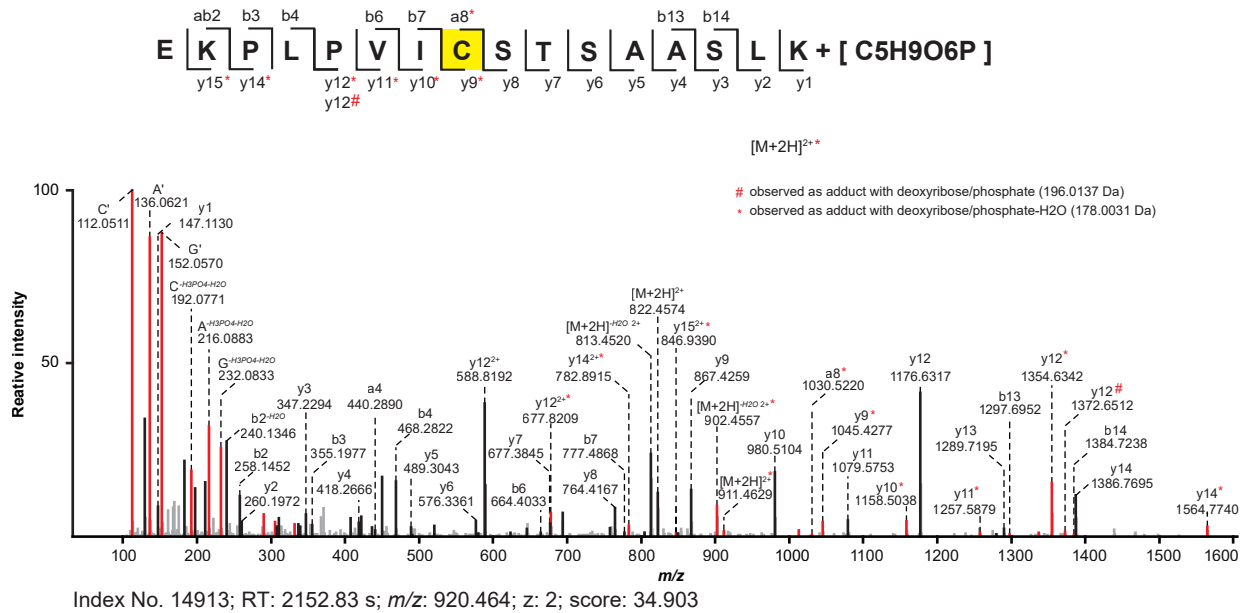
3) SCML2, aa 185-198



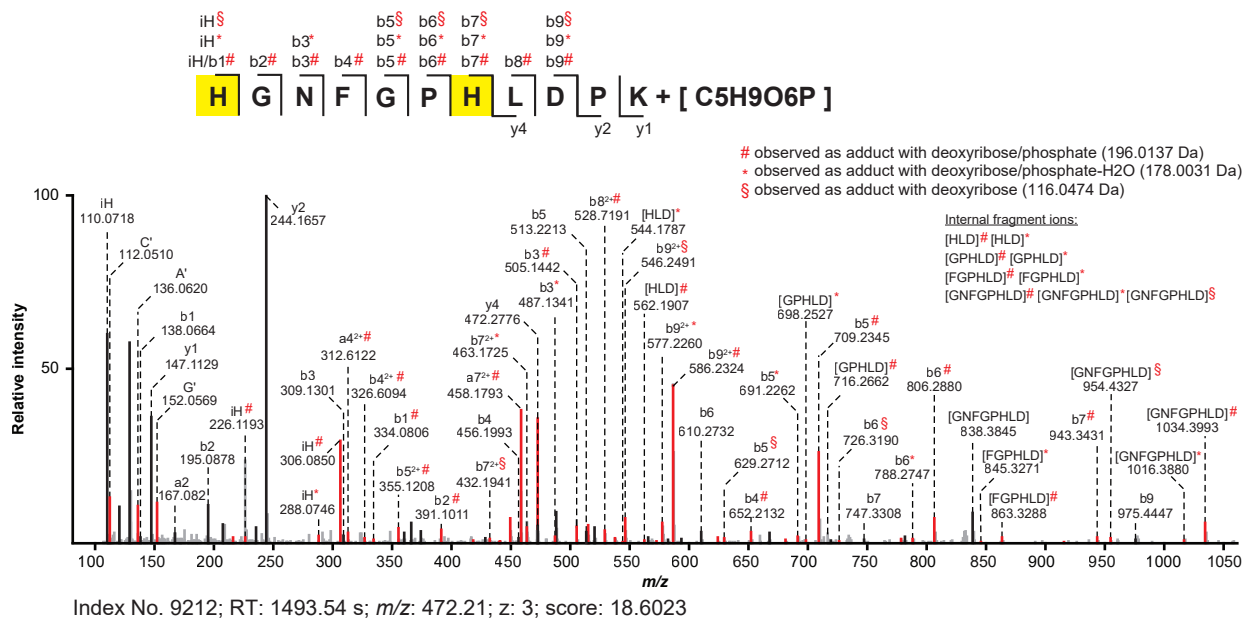
4) SCML2, aa 223-231



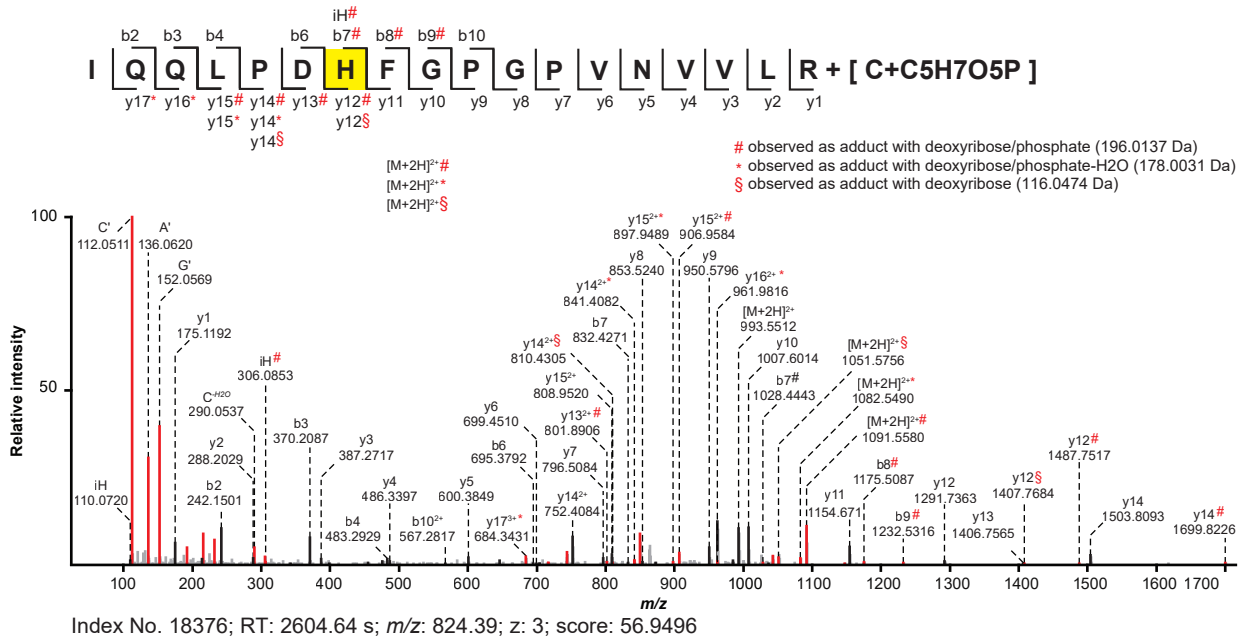
5) SCML2, aa 317-322



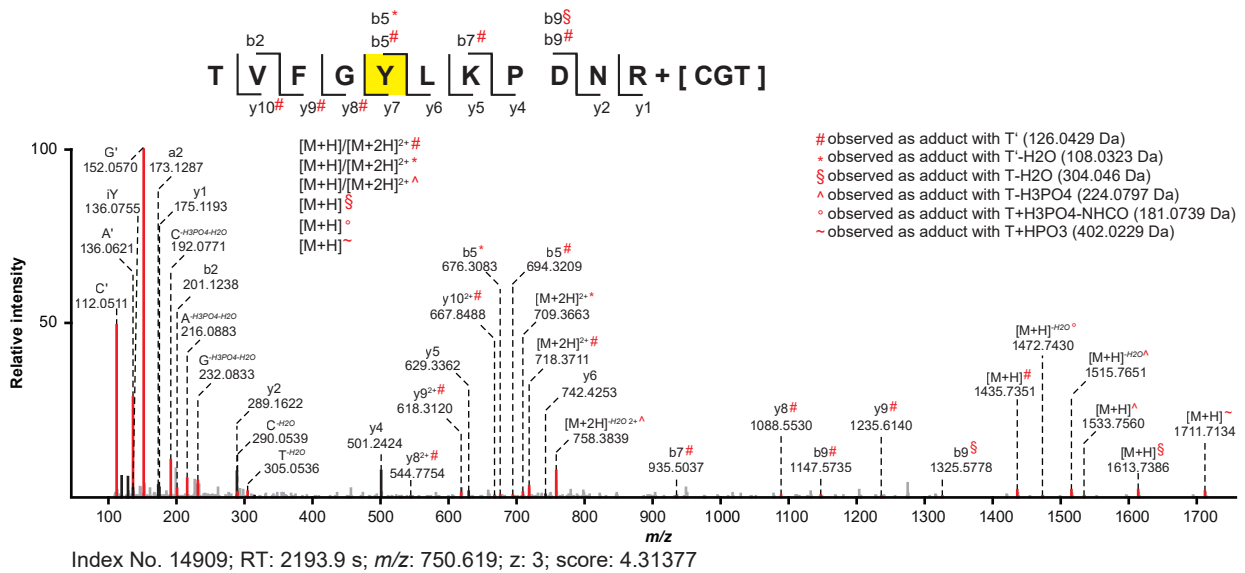
6) SCML2, aa 364-374



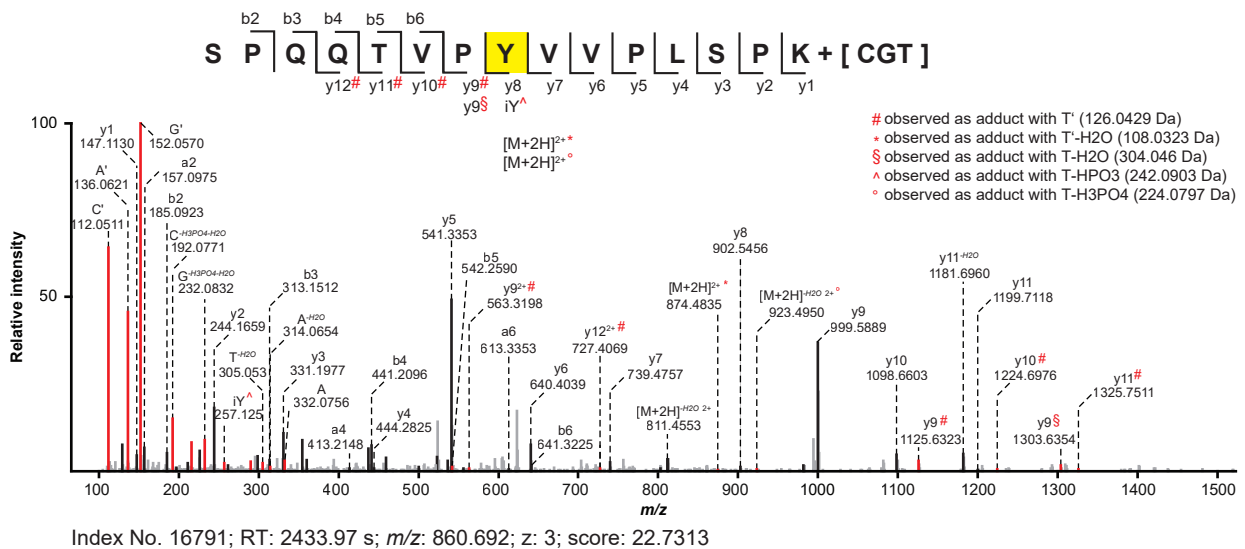
7) SCML2, aa 376-393



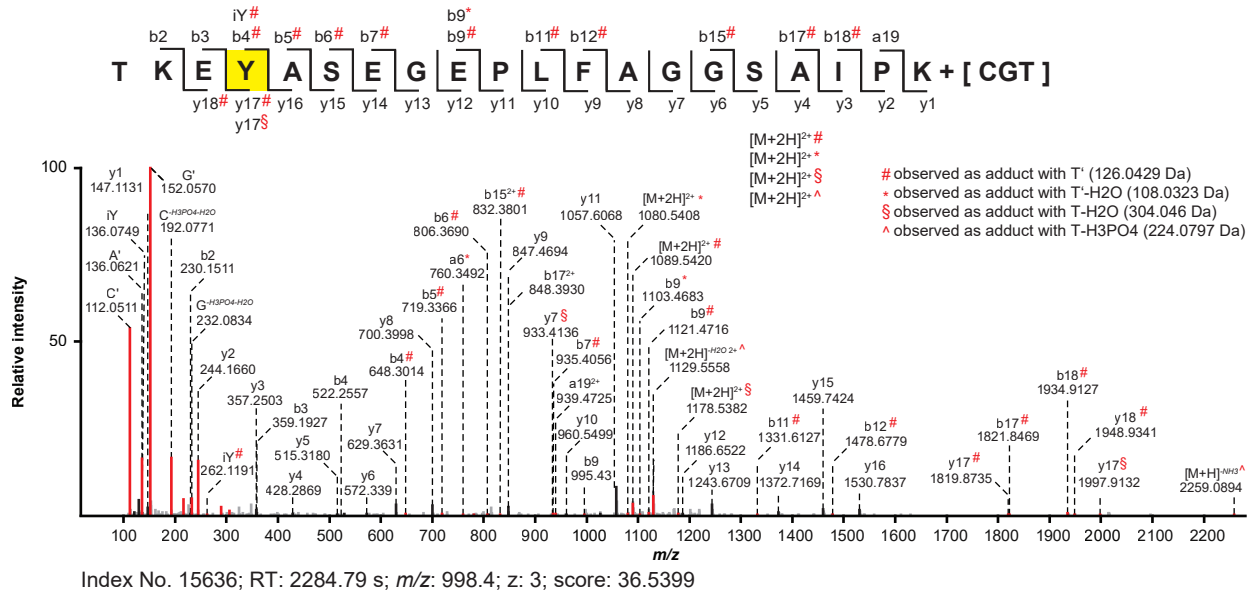
8) SCML2, aa 408-418



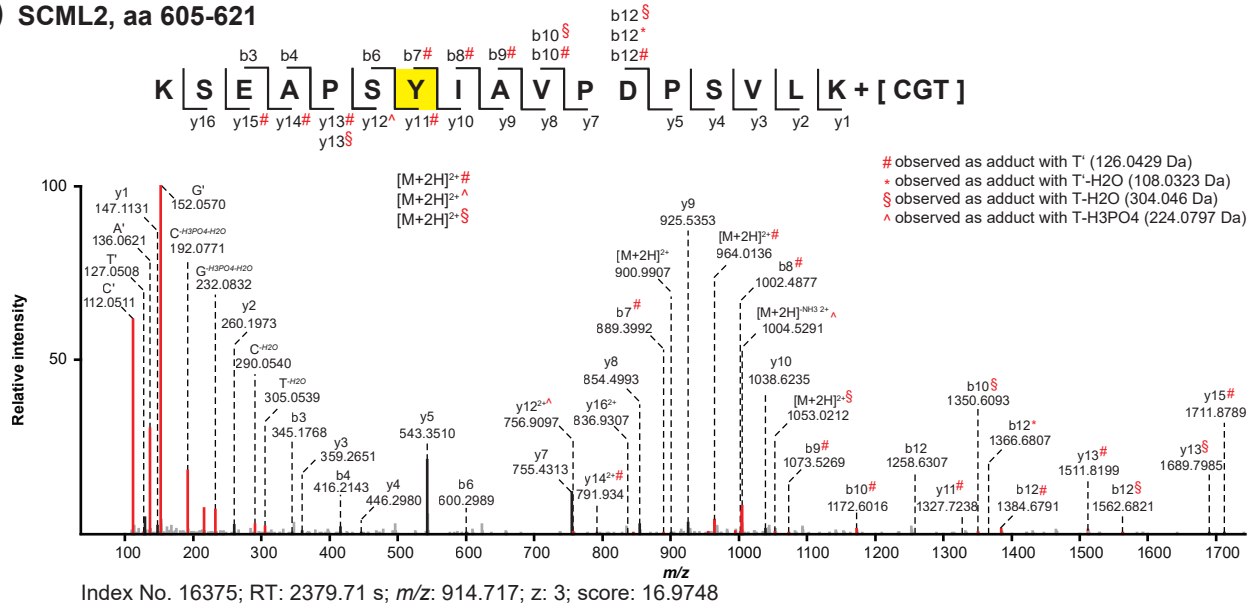
9) SCML2, aa 499-513



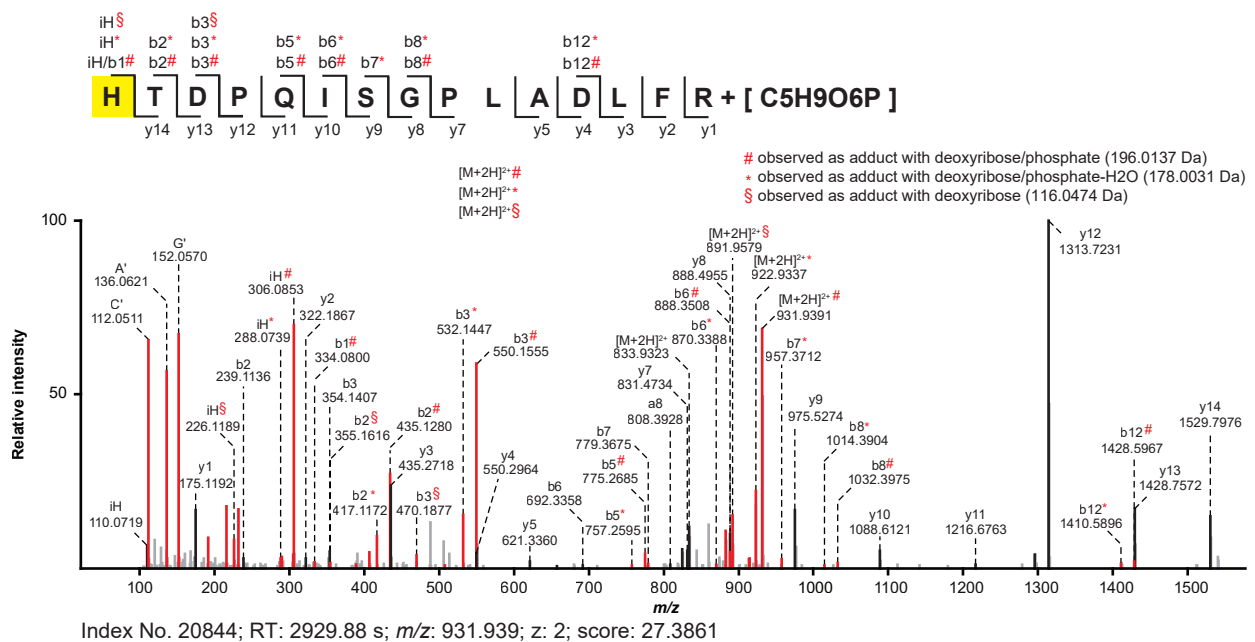
10) SCML2, aa 517-536



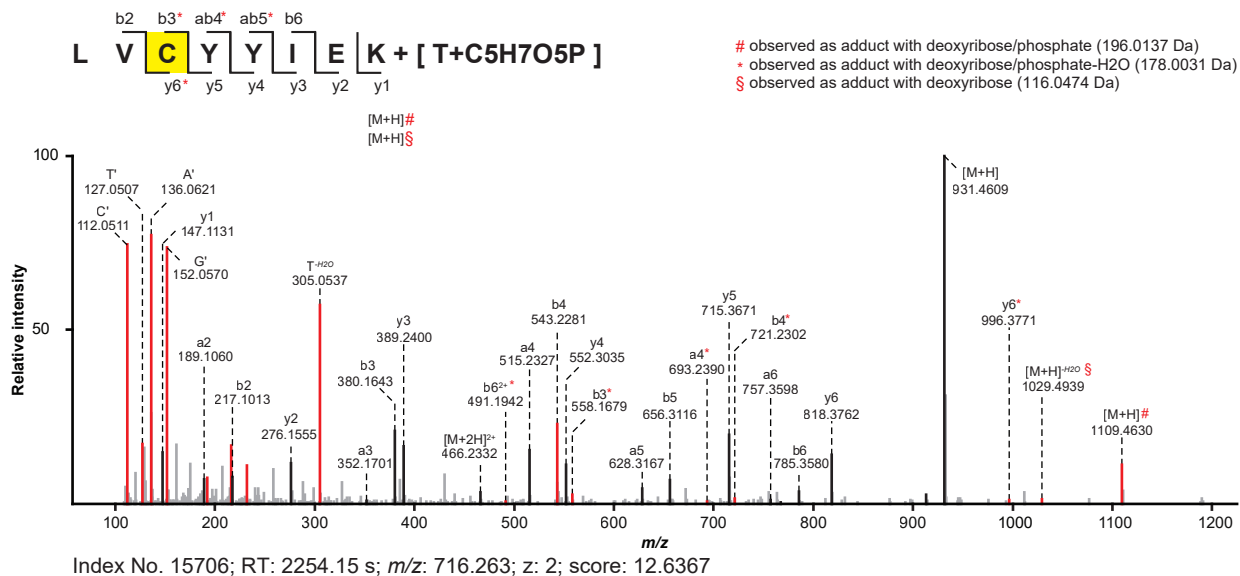
11) SCML2, aa 605-621



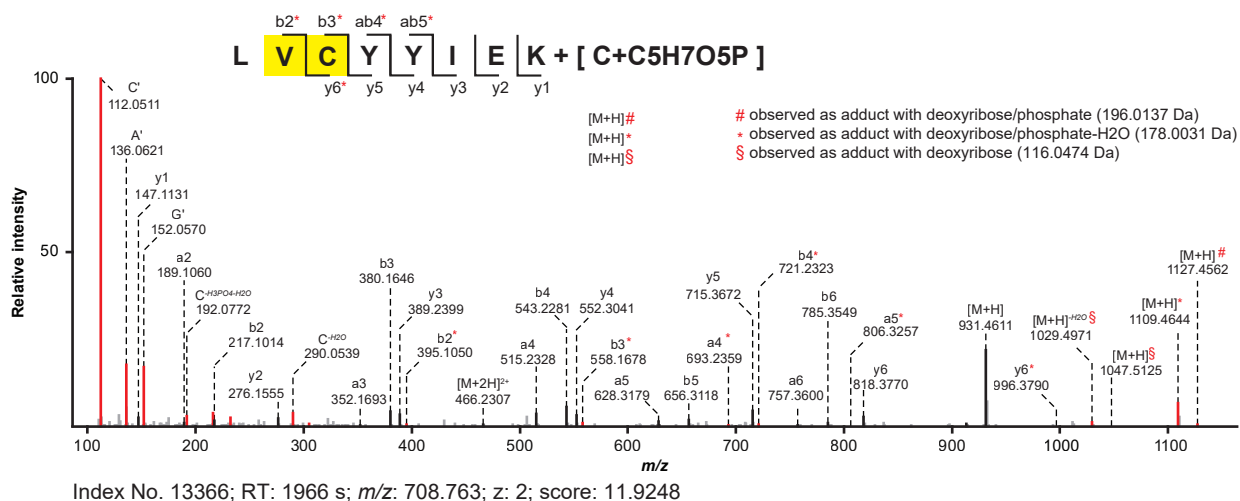
12) SCML2, aa 642-656



13) SCML2, aa 687-693



14) SCML2, aa 687-693

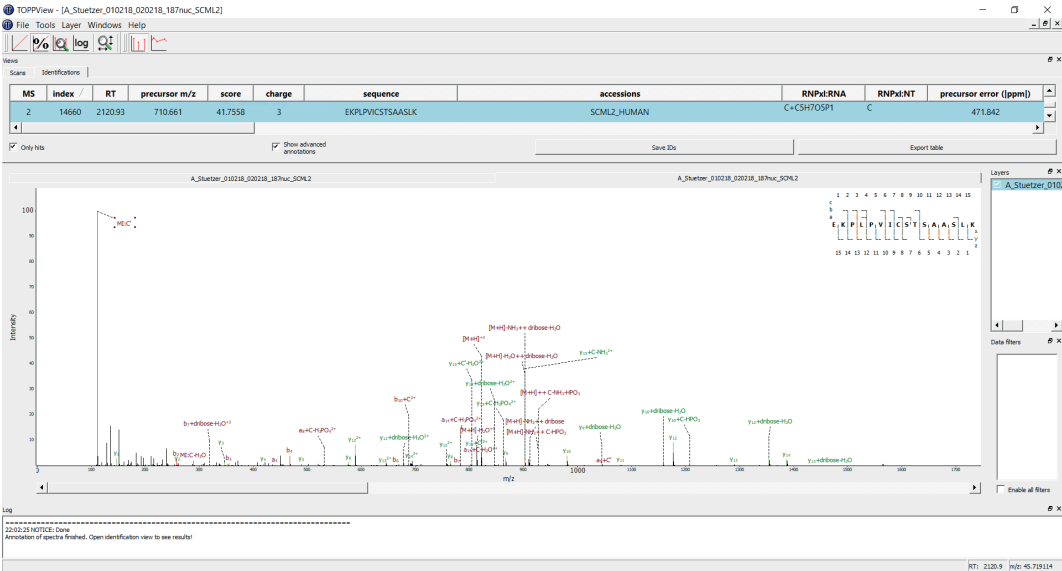


TOPPView spectra of SCML2 UV XL

1)



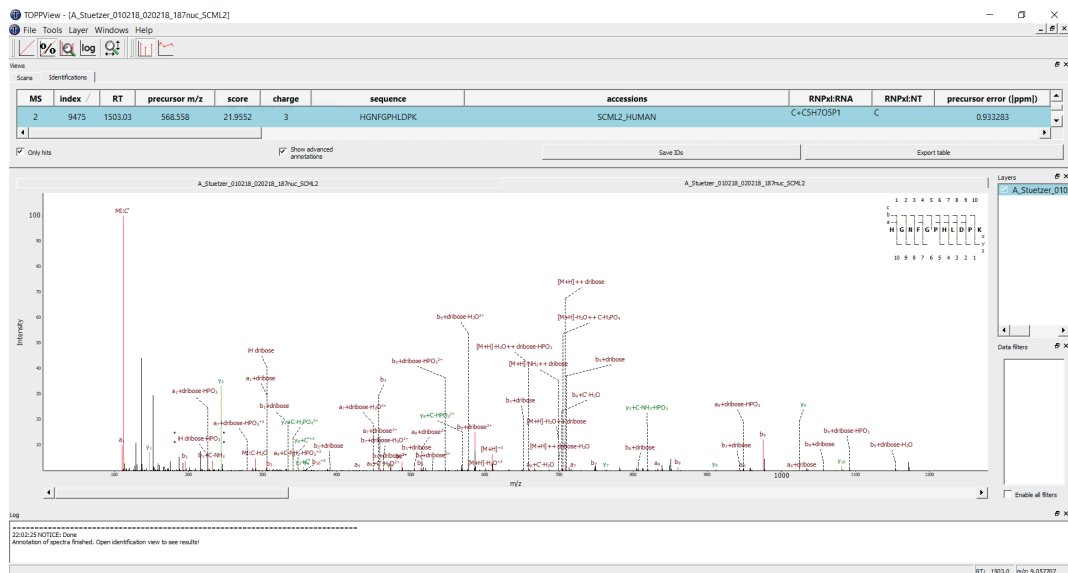
2)



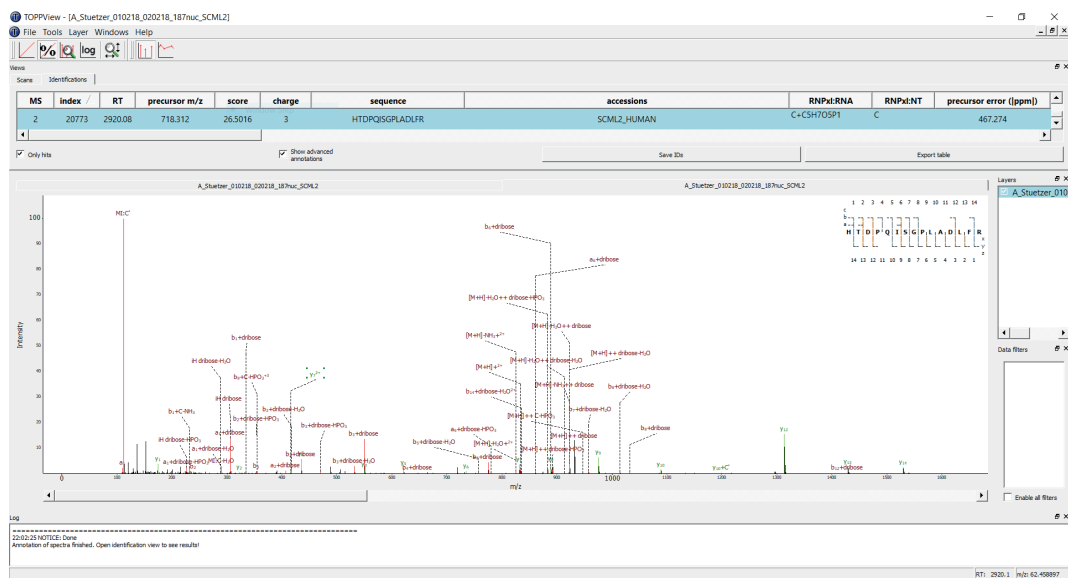
3)



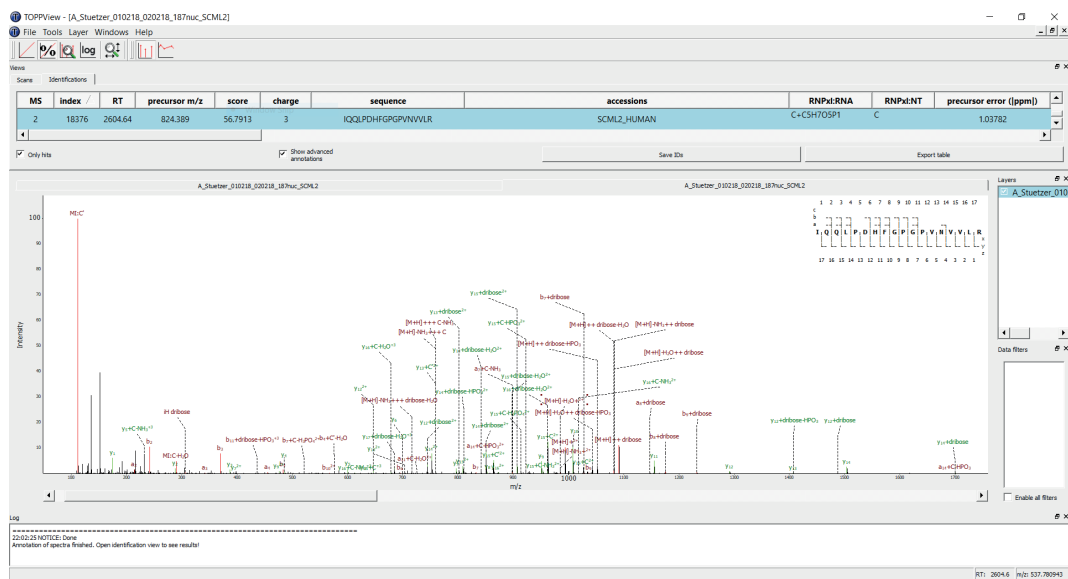
4)



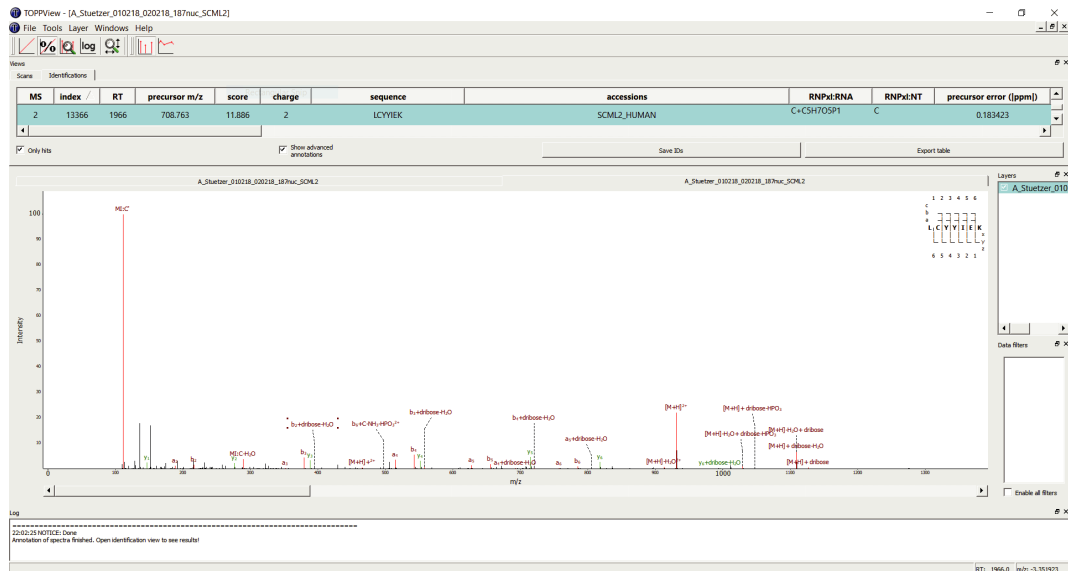
5)



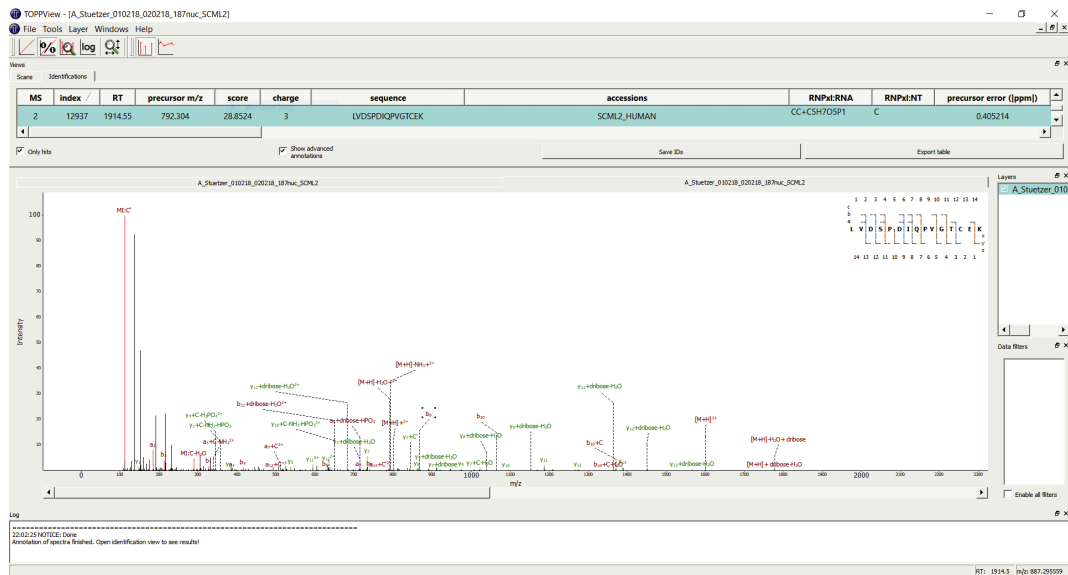
6)



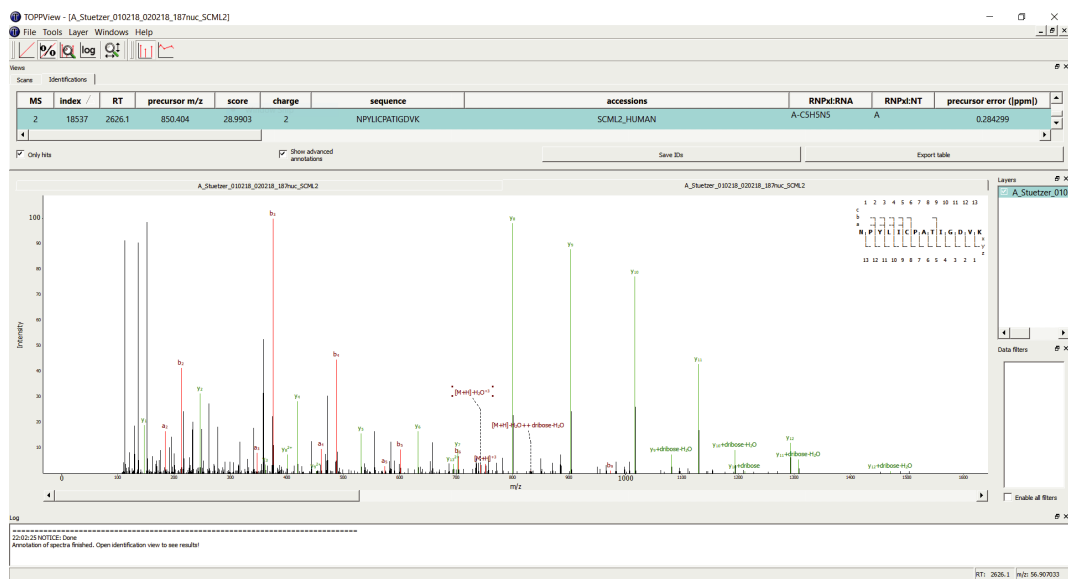
7)



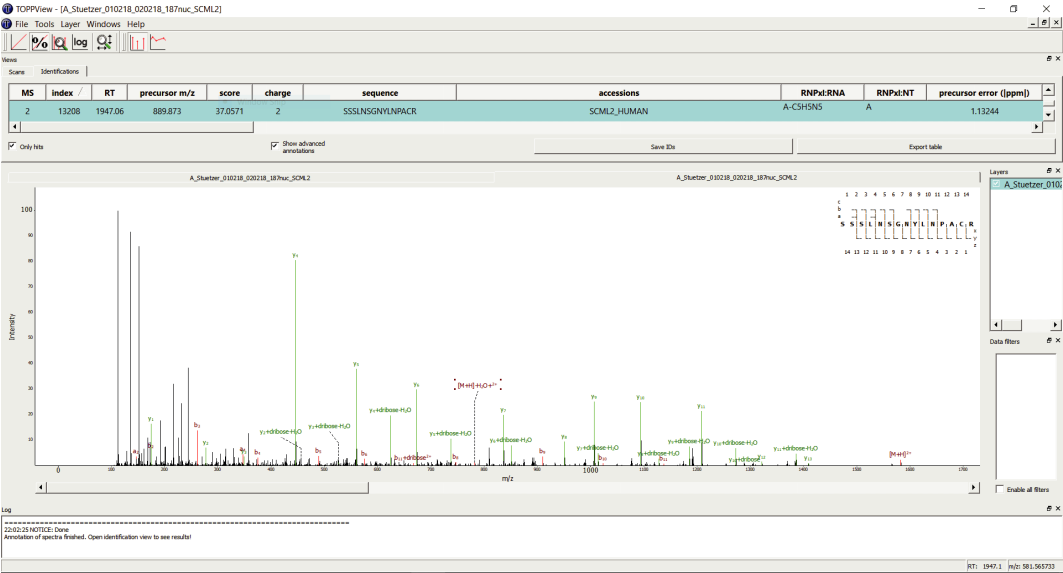
8)



9)



10)



TOPPView spectra of SCML2 CTRL

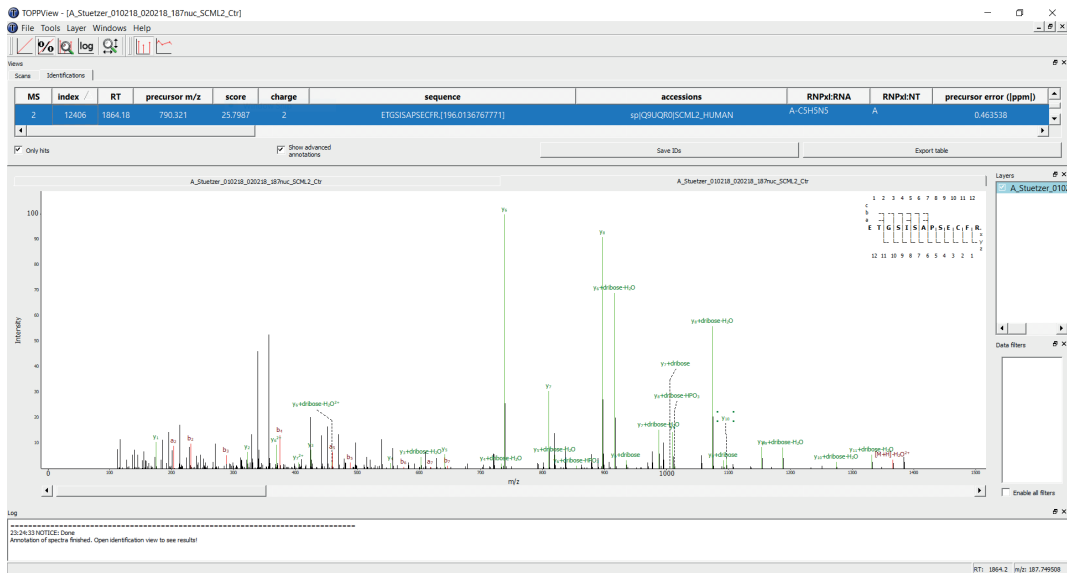
1)



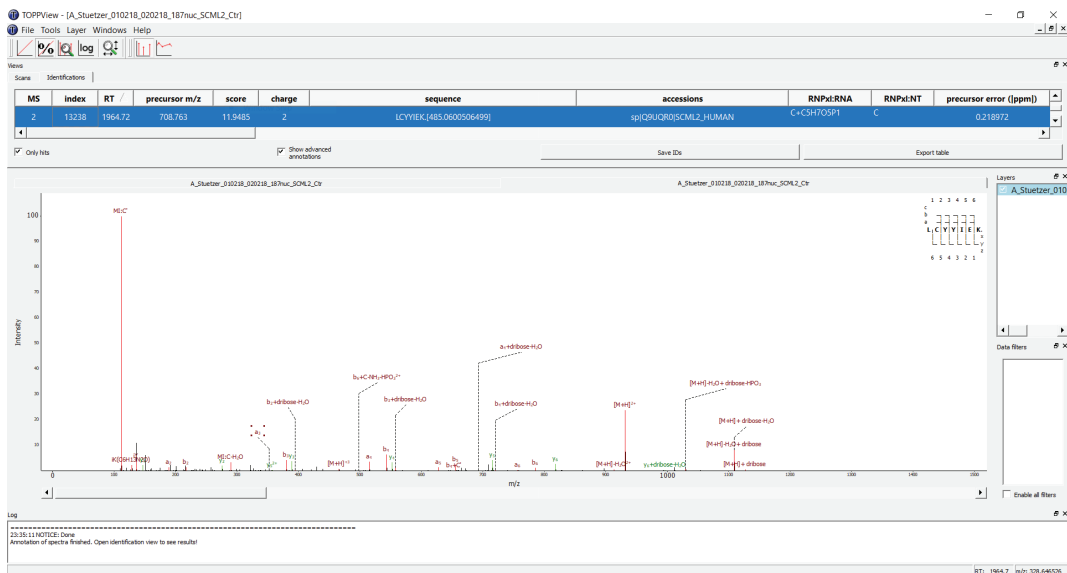
2)



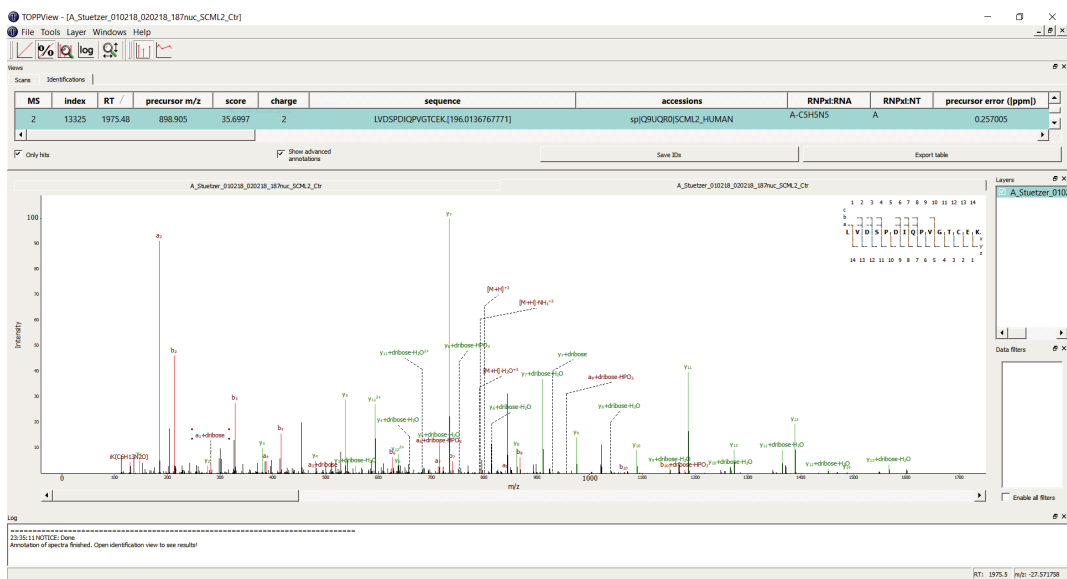
3)



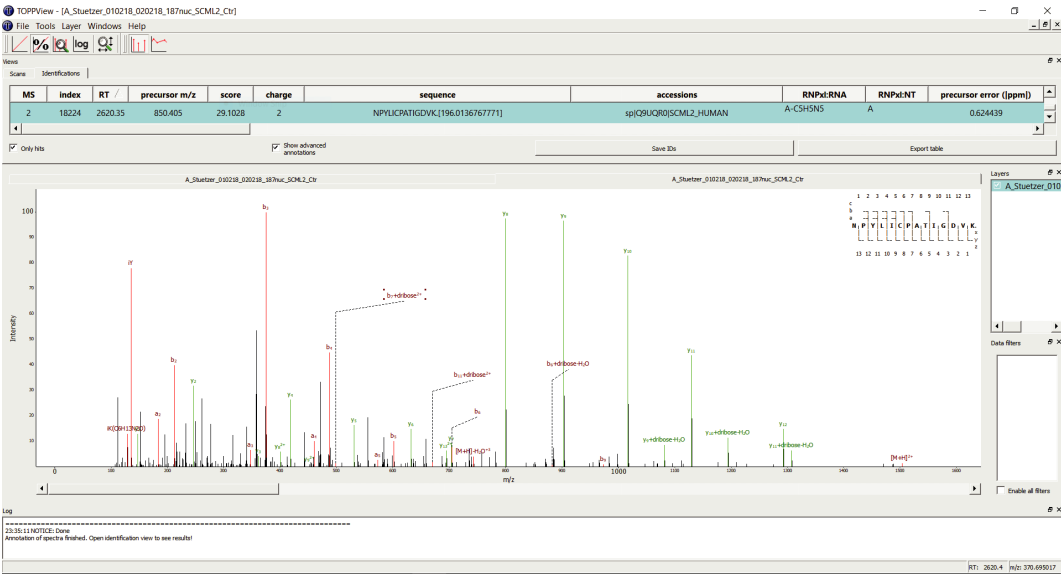
4)



5)

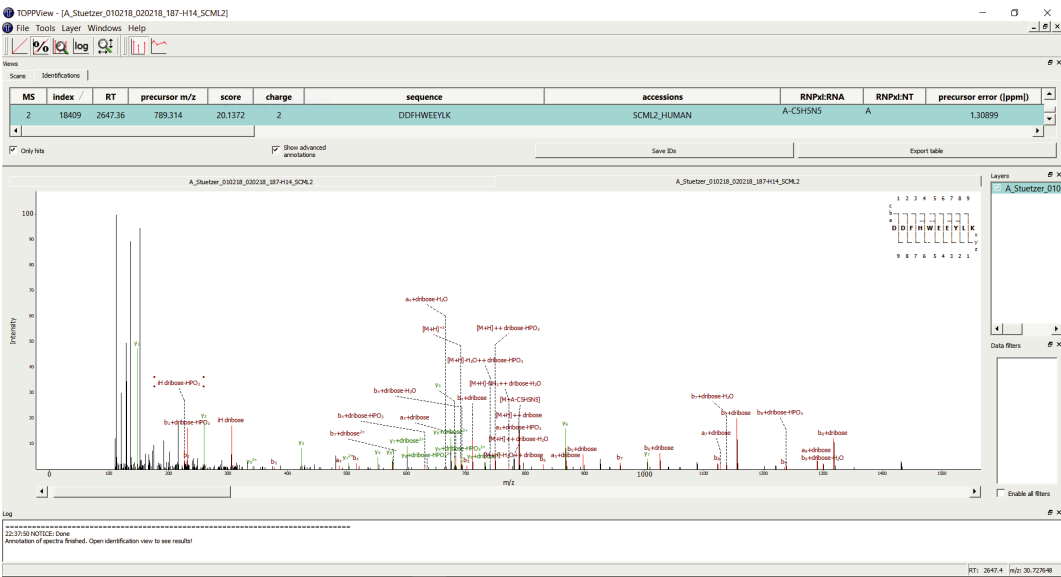


6)

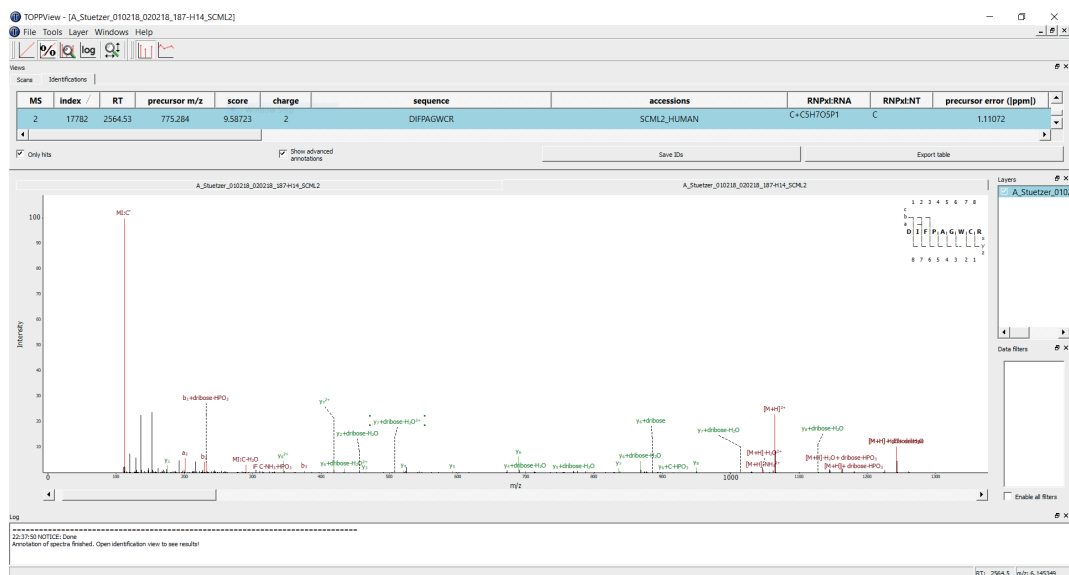


TOPPView spectra of SCML2 UV XL + H1.4

1)



2)



TOPVIEW - [A_Stutzer_010218_020218_187-H14_SCM12]

File Tools Layer Windows Help

View Identifications

MS	Index	RT	precursor m/z	score	charge	sequence	accessions	RNPeRNA	RNPpENT	precursor error (ppm)
2	9203	1492.66	568.558	26.3789	3	HGNTPHLPDK	SCML2_HUMAN	C-CST105P1	C	1.92802

Only hits ☒ Show advanced annotations Save DS Export table

A_Stutzer_010218_020218_187-H14_SCM12

Intensity

m/z

Sequence: HGNTPHLPDK

Labels on spectrum:

- 100: HCN
- 115: HCN
- 129: HCN
- 144: HCN
- 159: HCN
- 173: HCN
- 188: HCN
- 203: HCN
- 218: HCN
- 232: HCN
- 247: HCN
- 261: HCN
- 276: HCN
- 290: HCN
- 305: HCN
- 319: HCN
- 334: HCN
- 348: HCN
- 363: HCN
- 377: HCN
- 392: HCN
- 406: HCN
- 421: HCN
- 435: HCN
- 450: HCN
- 464: HCN
- 479: HCN
- 493: HCN
- 508: HCN
- 522: HCN
- 537: HCN
- 551: HCN
- 566: HCN
- 580: HCN
- 595: HCN
- 609: HCN
- 624: HCN
- 638: HCN
- 653: HCN
- 667: HCN
- 682: HCN
- 696: HCN
- 711: HCN
- 725: HCN
- 740: HCN
- 754: HCN
- 769: HCN
- 783: HCN
- 798: HCN
- 812: HCN
- 827: HCN
- 841: HCN
- 856: HCN
- 870: HCN
- 885: HCN
- 899: HCN
- 914: HCN
- 928: HCN
- 943: HCN
- 957: HCN
- 972: HCN
- 986: HCN
- 1000: HCN
- 1015: HCN
- 1030: HCN
- 1044: HCN
- 1059: HCN
- 1073: HCN
- 1088: HCN
- 1102: HCN
- 1117: HCN
- 1131: HCN
- 1146: HCN
- 1160: HCN
- 1175: HCN
- 1189: HCN
- 1204: HCN
- 1218: HCN
- 1233: HCN
- 1247: HCN
- 1262: HCN
- 1276: HCN
- 1290: HCN
- 1305: HCN
- 1319: HCN
- 1334: HCN
- 1348: HCN
- 1363: HCN
- 1377: HCN
- 1392: HCN
- 1406: HCN
- 1421: HCN
- 1435: HCN
- 1450: HCN
- 1464: HCN
- 1479: HCN
- 1493: HCN
- 1508: HCN

Annotations on spectrum:

- b₁+H₂O
- a₁+H₂O
- b₂+H₂O
- a₂+H₂O
- b₃+H₂O
- a₃+H₂O
- b₄+H₂O
- a₄+H₂O
- b₅+H₂O
- a₅+H₂O
- b₆+H₂O
- a₆+H₂O
- b₇+H₂O
- a₇+H₂O
- b₈+H₂O
- a₈+H₂O
- b₉+H₂O
- a₉+H₂O
- b₁₀+H₂O
- a₁₀+H₂O
- b₁₁+H₂O
- a₁₁+H₂O
- b₁₂+H₂O
- a₁₂+H₂O
- b₁₃+H₂O
- a₁₃+H₂O
- b₁₄+H₂O
- a₁₄+H₂O
- b₁₅+H₂O
- a₁₅+H₂O
- b₁₆+H₂O
- a₁₆+H₂O
- b₁₇+H₂O
- a₁₇+H₂O
- b₁₈+H₂O
- a₁₈+H₂O
- b₁₉+H₂O
- a₁₉+H₂O
- b₂₀+H₂O
- a₂₀+H₂O
- b₂₁+H₂O
- a₂₁+H₂O
- b₂₂+H₂O
- a₂₂+H₂O
- b₂₃+H₂O
- a₂₃+H₂O
- b₂₄+H₂O
- a₂₄+H₂O
- b₂₅+H₂O
- a₂₅+H₂O
- b₂₆+H₂O
- a₂₆+H₂O
- b₂₇+H₂O
- a₂₇+H₂O
- b₂₈+H₂O
- a₂₈+H₂O
- b₂₉+H₂O
- a₂₉+H₂O
- b₃₀+H₂O
- a₃₀+H₂O
- b₃₁+H₂O
- a₃₁+H₂O
- b₃₂+H₂O
- a₃₂+H₂O
- b₃₃+H₂O
- a₃₃+H₂O
- b₃₄+H₂O
- a₃₄+H₂O
- b₃₅+H₂O
- a₃₅+H₂O
- b₃₆+H₂O
- a₃₆+H₂O
- b₃₇+H₂O
- a₃₇+H₂O
- b₃₈+H₂O
- a₃₈+H₂O
- b₃₉+H₂O
- a₃₉+H₂O
- b₄₀+H₂O
- a₄₀+H₂O
- b₄₁+H₂O
- a₄₁+H₂O
- b₄₂+H₂O
- a₄₂+H₂O
- b₄₃+H₂O
- a₄₃+H₂O
- b₄₄+H₂O
- a₄₄+H₂O
- b₄₅+H₂O
- a₄₅+H₂O
- b₄₆+H₂O
- a₄₆+H₂O
- b₄₇+H₂O
- a₄₇+H₂O
- b₄₈+H₂O
- a₄₈+H₂O
- b₄₉+H₂O
- a₄₉+H₂O
- b₅₀+H₂O
- a₅₀+H₂O
- b₅₁+H₂O
- a₅₁+H₂O
- b₅₂+H₂O
- a₅₂+H₂O
- b₅₃+H₂O
- a₅₃+H₂O
- b₅₄+H₂O
- a₅₄

TOPView - [A_Stutzer_010218_020218_187-H14_SCM12]

File Tools Layer Windows Help

Views ☒ % ☒ log ☒ ☒ ☒ ☒

Scan Identifications

MS	Index	RT	precursor m/z	score	charge	sequence	accessions	RNPA:RNA	RNPA:INT	precursor error (ppm)
2	20410	2915.94	718.311	35.9602	3	HTDPQSGSLDLFR	SCML2_HUMAN	C=CSH70SP1	C	466.117

☒ Only hits ☒ Show advanced annotations

A_Stutzer_010218_020218_187-H14_SCM12

A_Stutzer_010218_020218_187-H14_SCM12

Layers

A_Stutzer_010218_020218_187-H14_SCM12

Data filters

Enable all filters

Log

20:37:50 (KFTICE) Done

Annotation of spectra finished. Open identification view to see results!

TOPVIEW - [A_Stutzer_010218_020218_187-H14_SCM2.L]

File Tools Layer Windows Help

Views

Score Identifications

MS	Index /	RT	precursor m/z	score	charge	sequence	accessions	RNPA:RNA	RNPA:ENT	precursor error (ppm)
2	18070	2602	824.389	56.8348	3	IQQLPDHFGPGVNVLR	SCM2_HUMAN	C-CSH705P1	C	0.572799

☒ Only hits ☒ Show advanced annotations Save Dts Export table

A_Stutzer_010218_020218_187-H14_SCM2.L

Intensity

m/z

Layers

A_Stutzer_010218_020218_187-H14_SCM2.L

Data filters

☒ Enable all filters

Log

20:37:50 NOTICE: Done

Annotation of Spectra Requested. Open identification view to see result!

RT: 2602.0 Pz: 15.69851

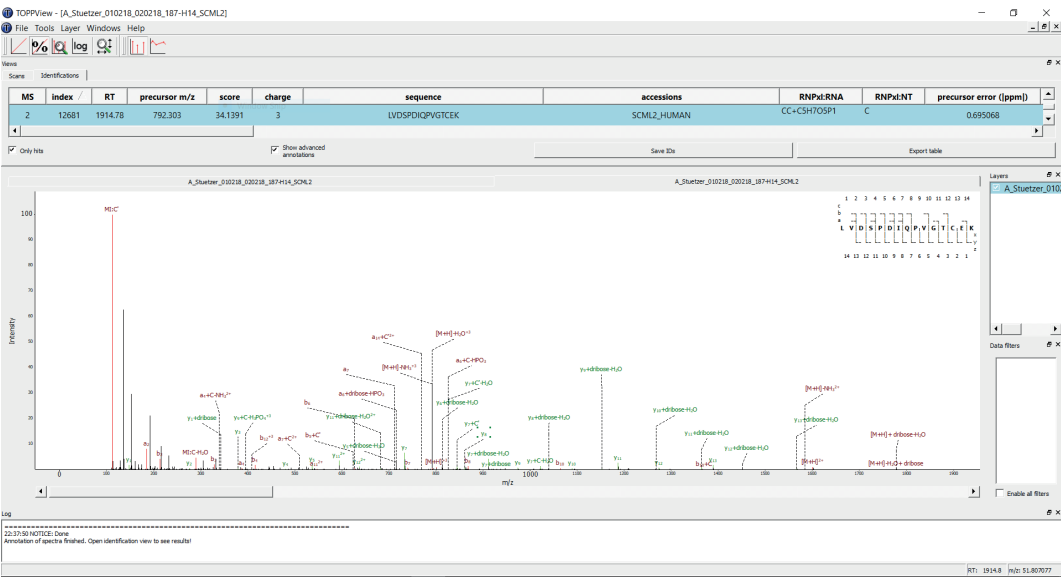
8)



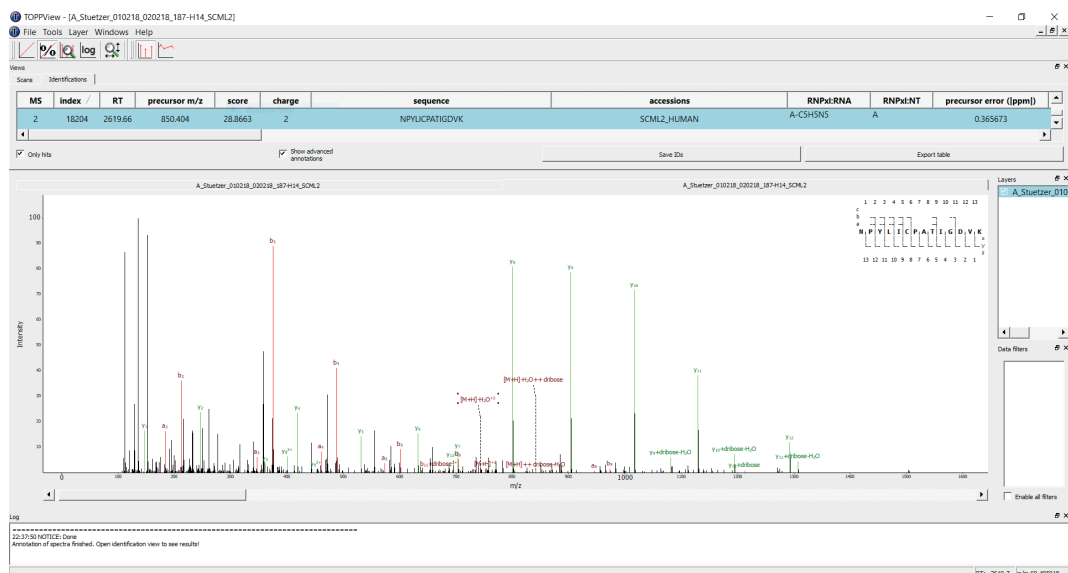
9)



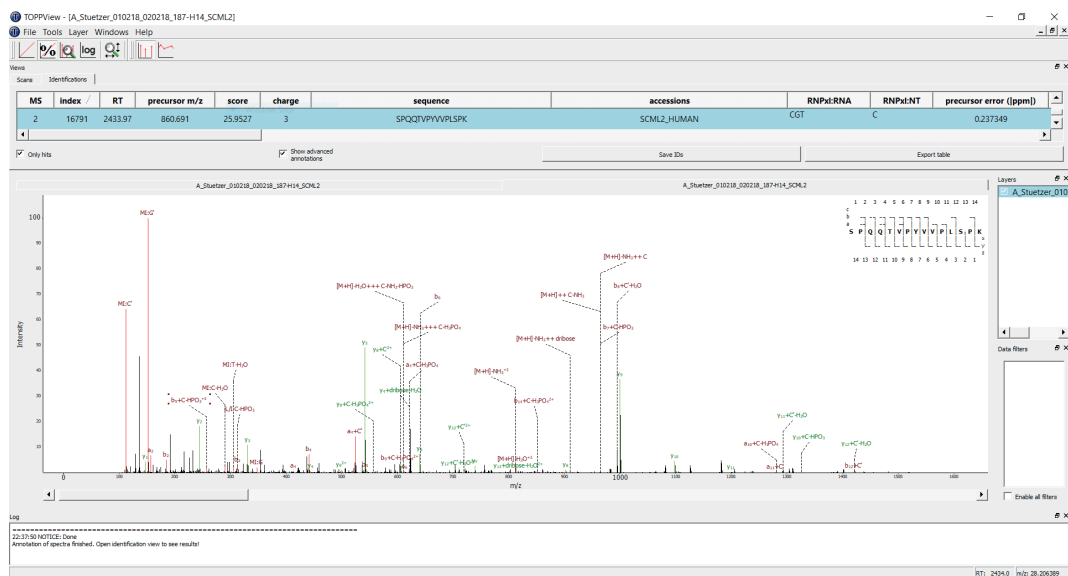
10)



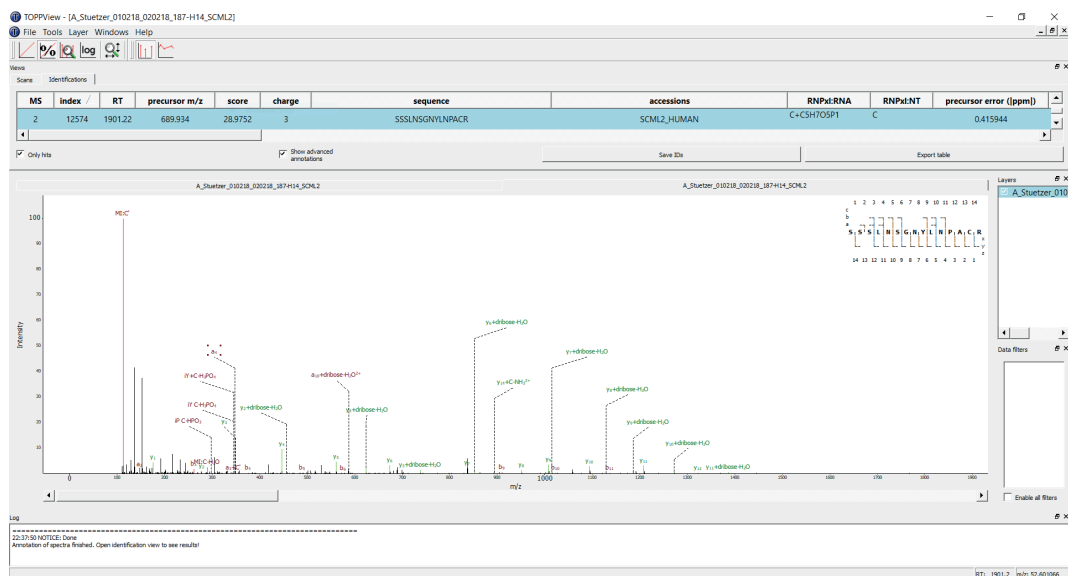
11)



12)



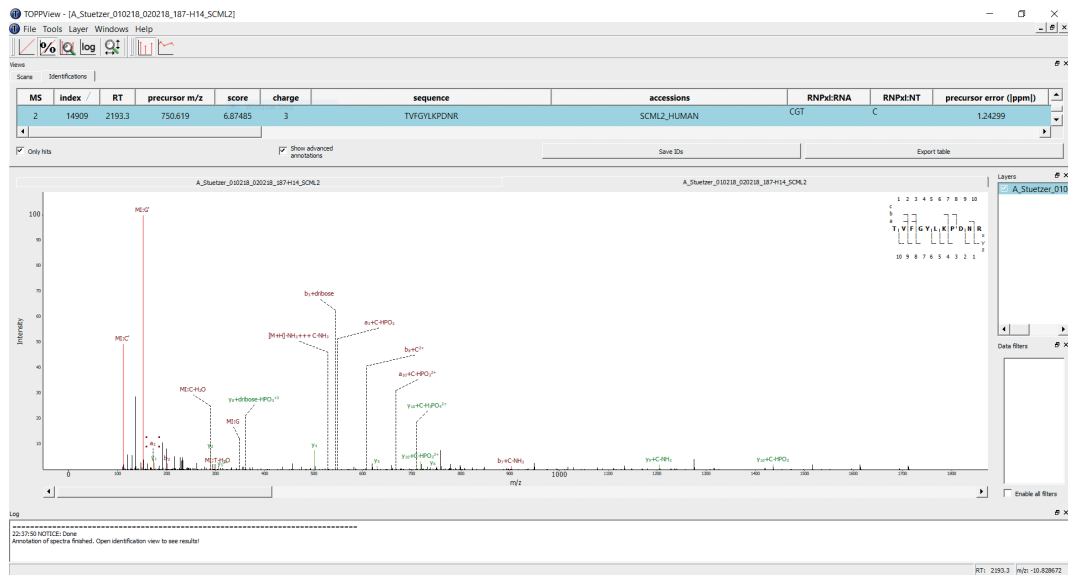
13)



14)

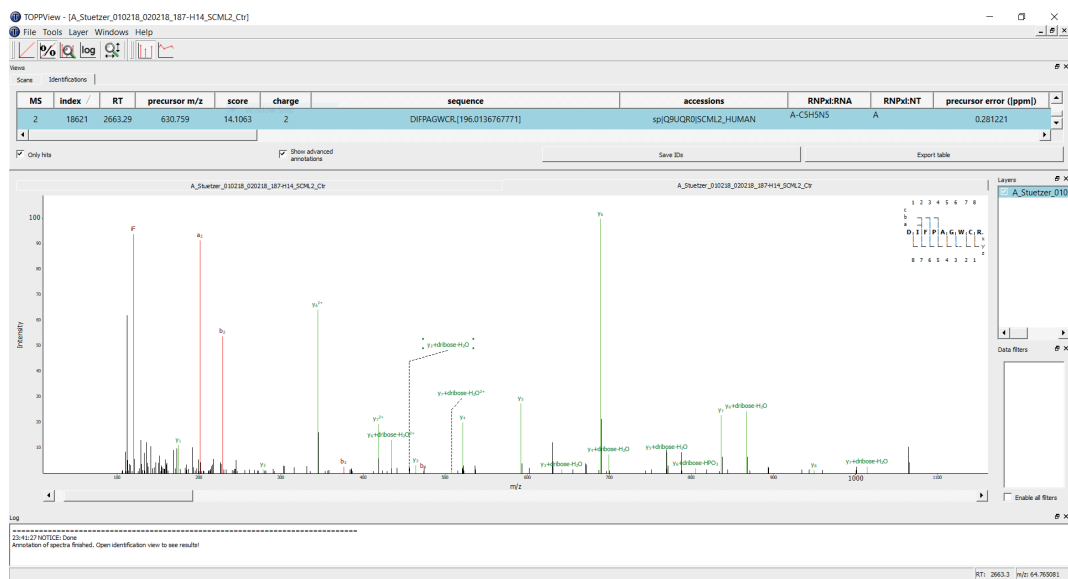


15)

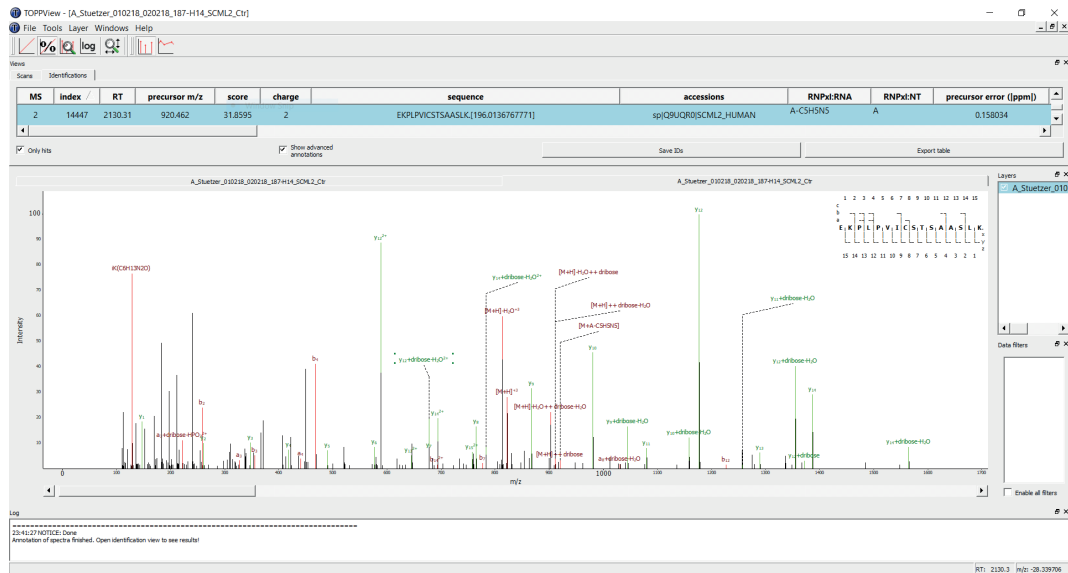


TOPPView spectra of SCML2 CTRL + H1.4

1)



2)



5)

