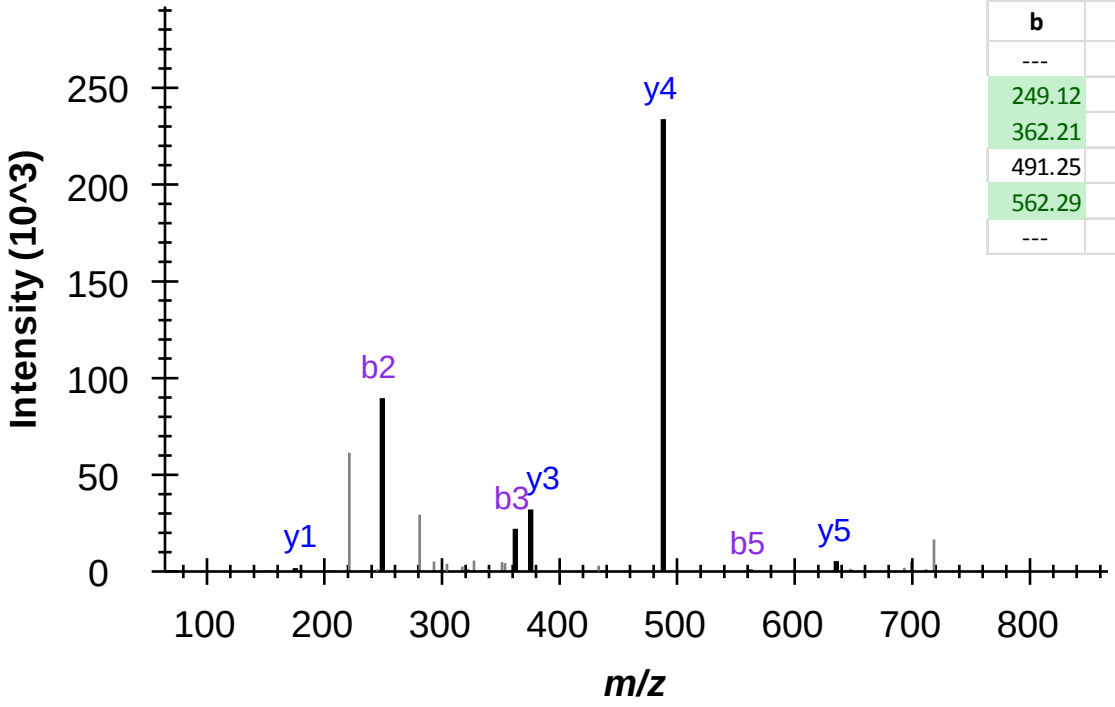
Shatsky et al., supplemental Dataset S19 additional MS/MS Spectra

Legend

- The vast majority of MS spectra for proteins reported in supplemental Dataset S2 are provided in the Skyline spectral library at PanoramaWeb. The small minority of single peptide hit identifications that could not be uploaded to PanoramaWeb are presented here.
- The following information is provided at the top of the spectra: protein name and peptide sequence; Experiment ID; Experiment type (in solution or in gel); Mass spectrometer used; m/z value; delta error (ppm); modifications; missed cleavages; Mascot Ion Score ; Mascot expect value. Alternative matches for the same spectrum are reported, if applicable.
- Spectra that are annotated as representing "Competitor IDs" refer to peptides that were identified on the basis of spectral evidence for which multiple sequence matches are possible (with identical or very similar confidence).
- Annotation of *y*- and *b*-type product ions is provided.
- ProteinProspector tools (http://prospector.ucsf.edu) (Chalkley et al.) were used to calculate theoretical monoisotopic masses and *m/z* values for product ions. (Chalkley RJ, Hansen KC, Baldwin MA. Bioinformatic methods to exploit mass spectrometric data for proteomic applications. Methods in enzymology. 2005;402:289-312.)

DVU0120_TFLQAR

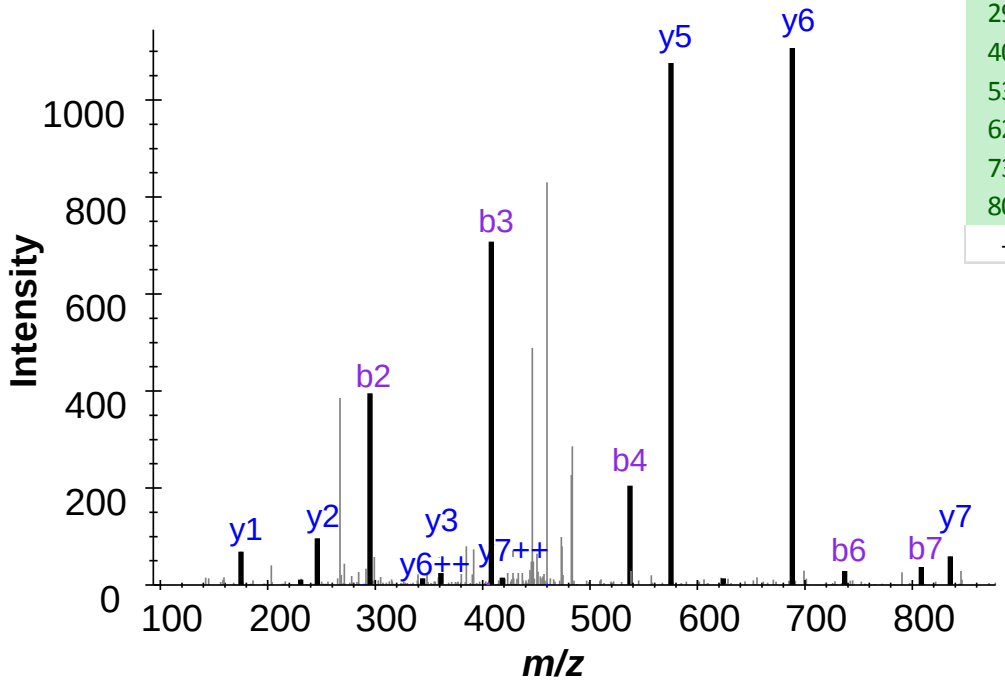
Experiment ID: L10095_35_670 ; Experiment Type: INSOL; Mass spectrometer: Orbitrap
m/z: 368.703; TheorMW (Da): 735.3916; delta: -0.1 ppm; missed cleav: 0; mods: Deamidation (NQ);
IonScore: 35.5; expect value: 1.63E-03
Competitor ID: DVU0961_FTLAER



b				y	y^{+2}
---	1	T	6	---	---
249.12	2	F	5	635.35	318.18
362.21	3	L	4	488.28	244.65
491.25	4	Q->E	3	375.20	188.10
562.29	5	A	2	246.16	123.58
---	6	R	1	175.12	88.06

DVU0142_MFLESLAR

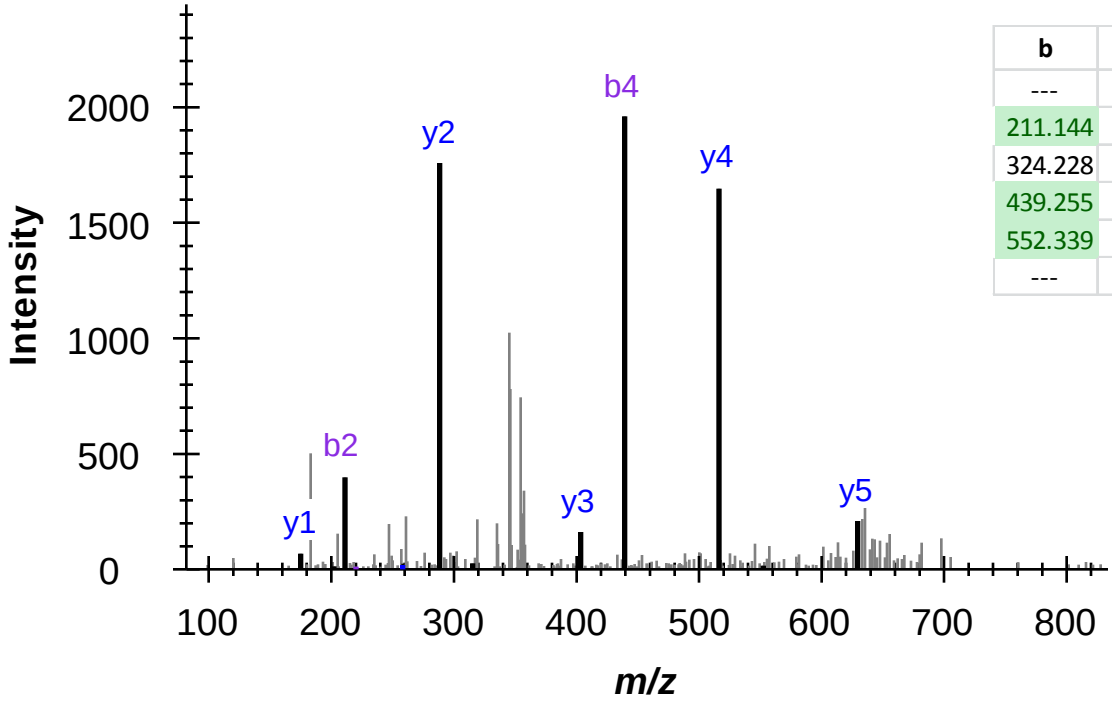
Experiment ID: L7103_26_492 ; Experiment Type: INSOL; Mass spectrometer: LTQ
m/z: 491.91; TheorMW (Da): 981.4954; delta: 316 ppm; missed cleav: 0; mods: Oxidation (M);
IonScore: 39.3; expect value: 2.65E-00



b				y	y^{+2}
---	1	m	8	---	---
295.11	2	F	7	835.47	418.24
408.20	3	L	6	688.40	344.70
537.24	4	E	5	575.31	288.16
624.27	5	S	4	446.27	223.64
737.35	6	L	3	359.24	180.12
808.39	7	A	2	246.16	123.58
---	8	R	1	175.12	88.06

DVU0165_PLLNLR

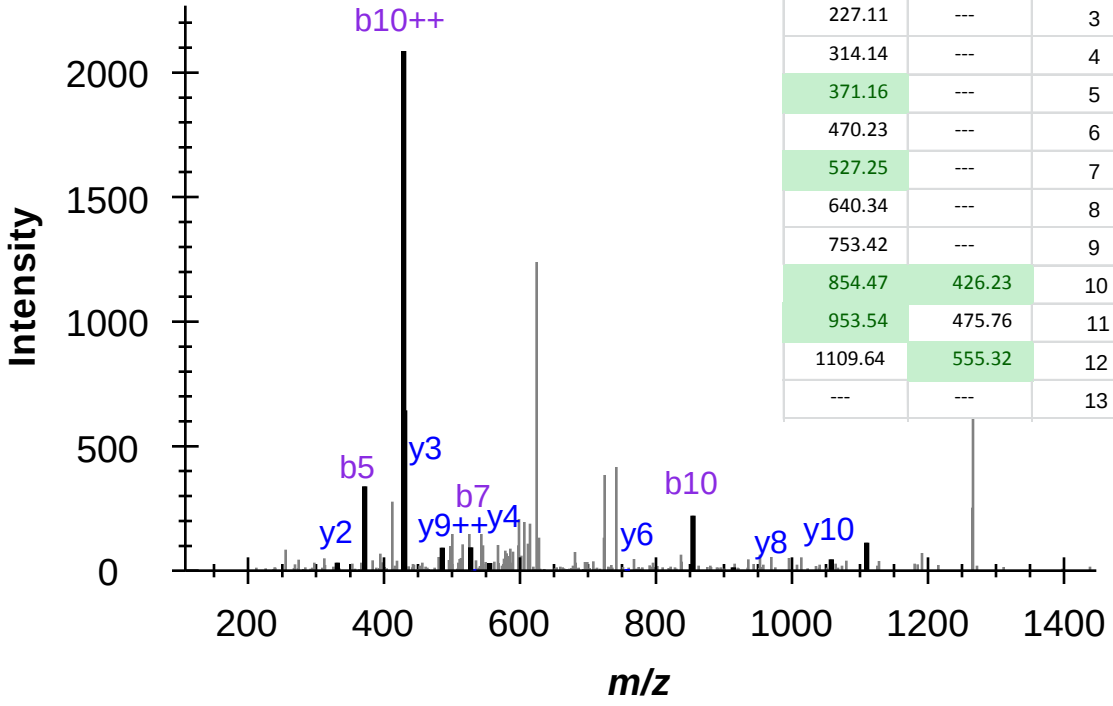
Experiment ID: L22896_71_1263 ; Experiment Type: INSOL; Mass spectrometer: Orbitrap
m/z: 363.729; TheorMW (Da): 725.4436; delta: -0.1 ppm; missed cleav: 0; mods: Deamidation (NQ);
IonScore: 28.01; expect value: 6.17E-03



b				y	y^{+2}
---	1	P	6	---	---
211.144	2	L	5	629.398	315.203
324.228	3	L	4	516.314	258.661
439.255	4	N->D	3	403.23	202.119
552.339	5	L	2	288.203	144.605
---	6	R	1	175.119	88.0631

DVU0271_QGGSGVGLLTVRR

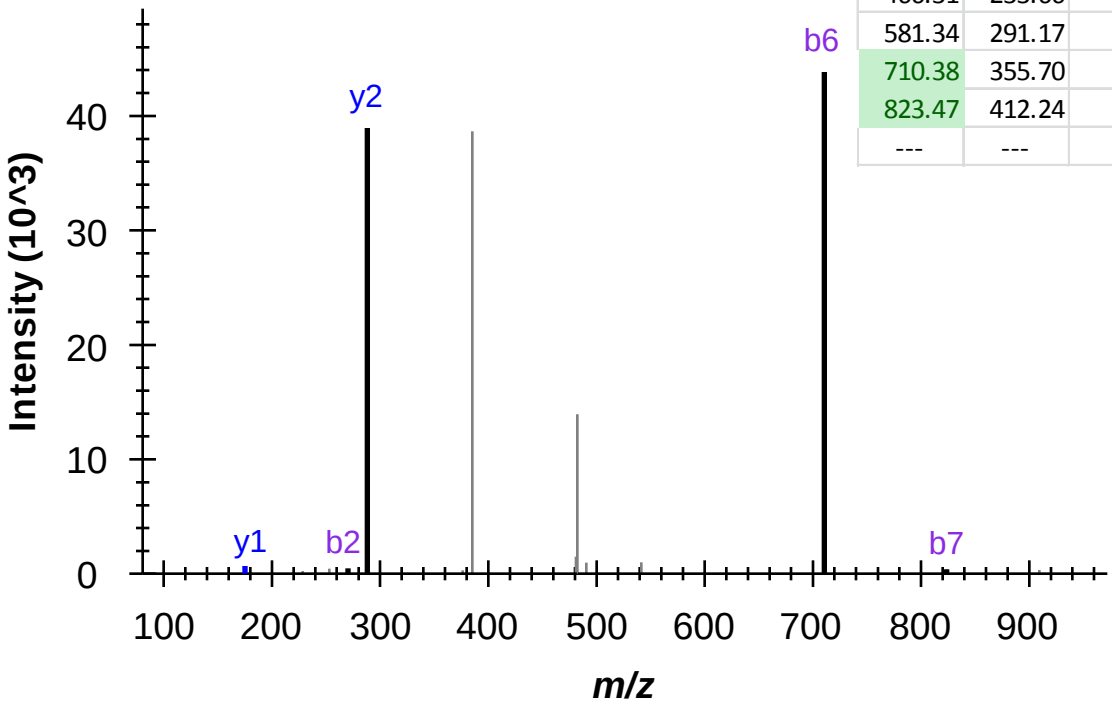
Experiment ID: L23134_74_1313 ; Experiment Type: INSOL; Mass spectrometer: Orbitrap
m/z: 642.357; TheorMW (Da): 1282.6994; delta: 0.1 ppm; missed cleav: 1; mods: [Q-16];
IonScore: 22.28; expect value: 1.69E-02



b	b +2				y	y +2
---	---	1	Q(-16)	13	---	---
170.09	---	2	G	12	1171.69	586.35
227.11	---	3	G	11	1114.67	557.84
314.14	---	4	S	10	1057.65	529.33
371.16	---	5	G	9	970.62	485.81
470.23	---	6	V	8	913.59	457.30
527.25	---	7	G	7	814.53	407.77
640.34	---	8	L	6	757.50	379.26
753.42	---	9	L	5	644.42	322.71
854.47	426.23	10	T	4	531.34	266.17
953.54	475.76	11	V	3	430.29	215.65
1109.64	555.32	12	R	2	331.22	166.11
---	---	13	R	1	175.12	88.06

DVU0327_RIPVDQIR

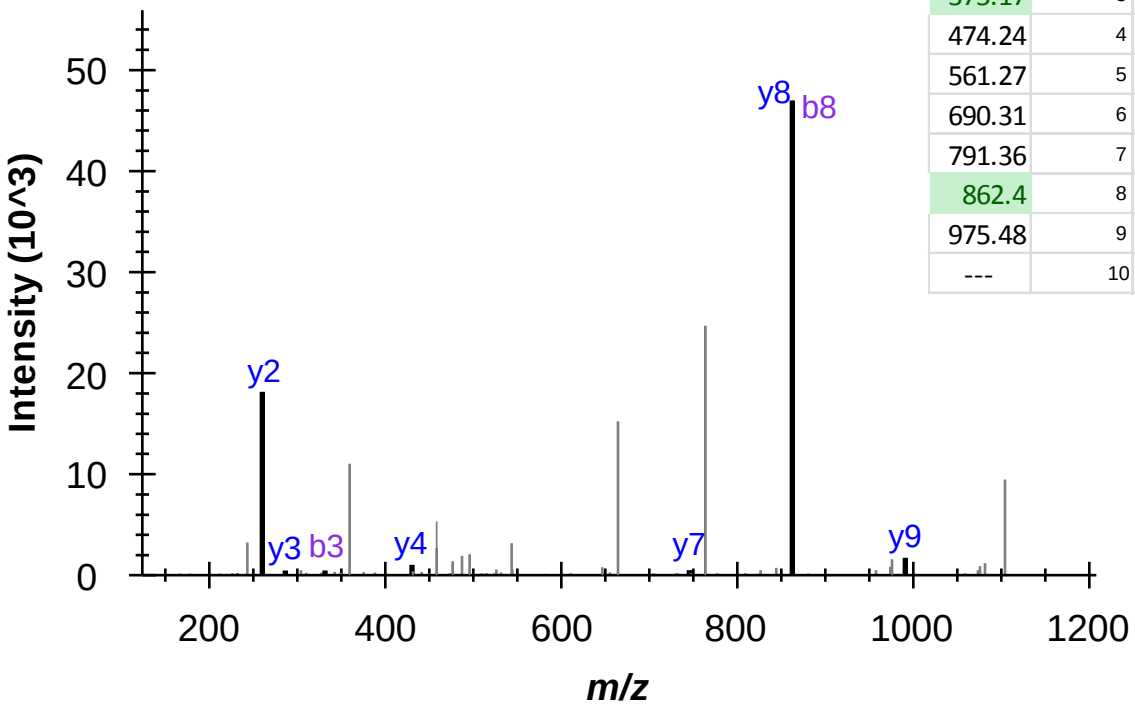
Experiment ID: L19564_60_1073 ; Experiment Type: INSOL; Mass spectrometer: Orbitrap
m/z: 499.293; TheorMW (Da): 996.5717; delta: -0.2 ppm; missed cleav: 1; mods: Deamidation (NQ);
IonScore: 19.89; expect value: 2.82E-02



b	b^{+2}				y	y^{+2}
---	---	1	R	8	---	---
270.19	135.60	2	I	7	841.48	421.24
367.25	184.13	3	P	6	728.39	364.70
466.31	233.66	4	V	5	631.34	316.17
581.34	291.17	5	D	4	532.27	266.64
710.38	355.70	6	Q->E	3	417.25	209.13
823.47	412.24	7	I	2	288.20	144.61
---	---	8	R	1	175.12	88.06

DVU0359_MINVSETALK

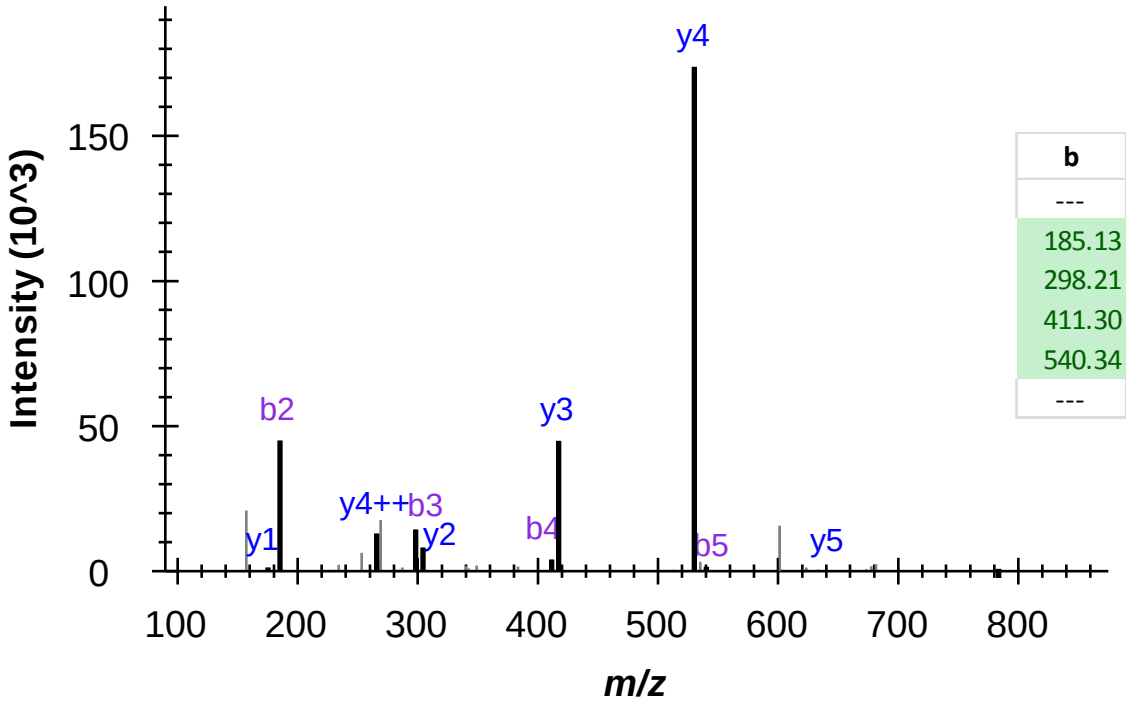
Experiment ID: L9313_33_626 ; Experiment Type: INSOL; Mass spectrometer: Orbitrap
m/z: 561.296; TheorMW (Da): 1120.58; delta: -2.1 ppm; missed cleav: 0; mods: Oxidation (M);
IonScore: 19.41; expect value: 3.8E-02



b				y	y^{+2}
---	1	m	10	---	---
261.13	2	I	9	974.55	487.78
375.17	3	N	8	861.47	431.24
474.24	4	V	7	747.42	374.22
561.27	5	S	6	648.36	324.68
690.31	6	E	5	561.32	281.17
791.36	7	T	4	432.28	216.64
862.4	8	A	3	331.23	166.12
975.48	9	L	2	260.2	130.6
---	10	K	1	147.11	74.06

DVU0422_ALLLER

Experiment ID: L16657_54_960 ; Experiment Type: INSOL; Mass spectrometer: Orbitrap
m/z: 357.729; TheorMW (Da): 713.4436; delta: -0.1 ppm; missed cleav: 0; mods: none;
IonScore: 31.59; expect value: 2.25E-03
Competitor ID: DVU3294_ LAILER



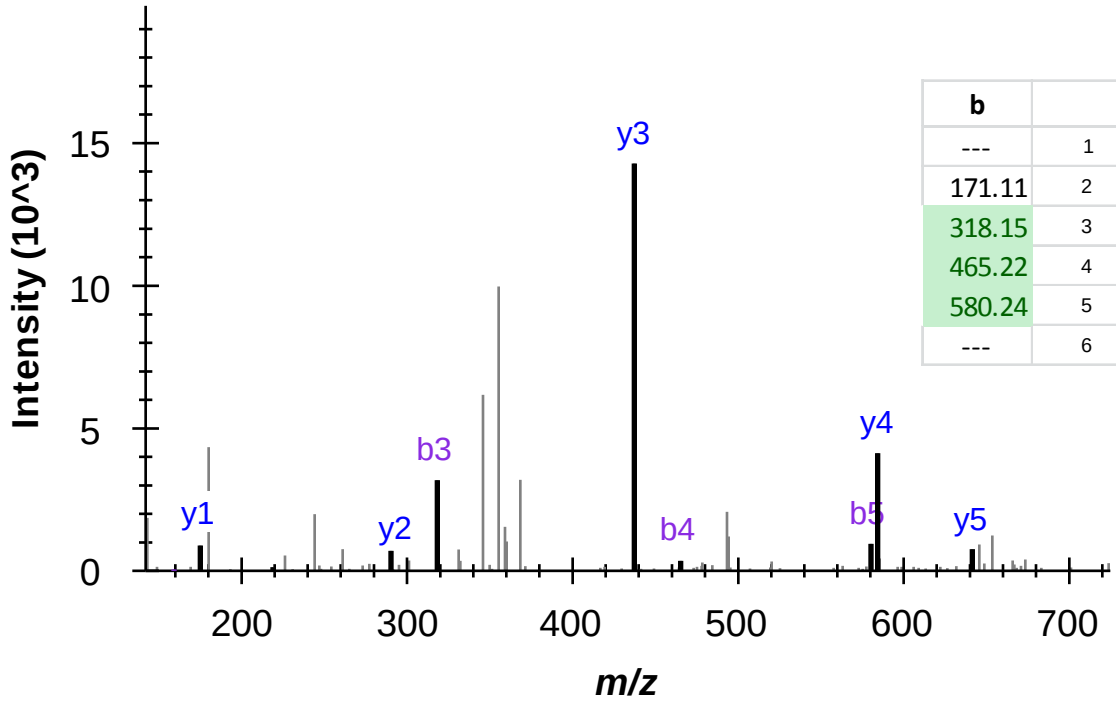
b				y	y^{+2}
---	1	**A**	6	---	---
185.13	2	**L**	5	643.41	322.21
298.21	3	**L**	4	530.33	265.67
411.30	4	**L**	3	417.25	209.13
540.34	5	**E**	2	304.16	152.58
---	6	**R**	1	175.12	88.06

DVU0445_LGMFNR

Experiment ID: L11438_40_750 ; Experiment Type: INSOL; Mass spectrometer: Orbitrap

m/z: 377.681; TheorMW (Da): 753.348; delta: -0.7 ppm; missed cleav: 0; mods: Deamidation (NQ); Oxidation (M);

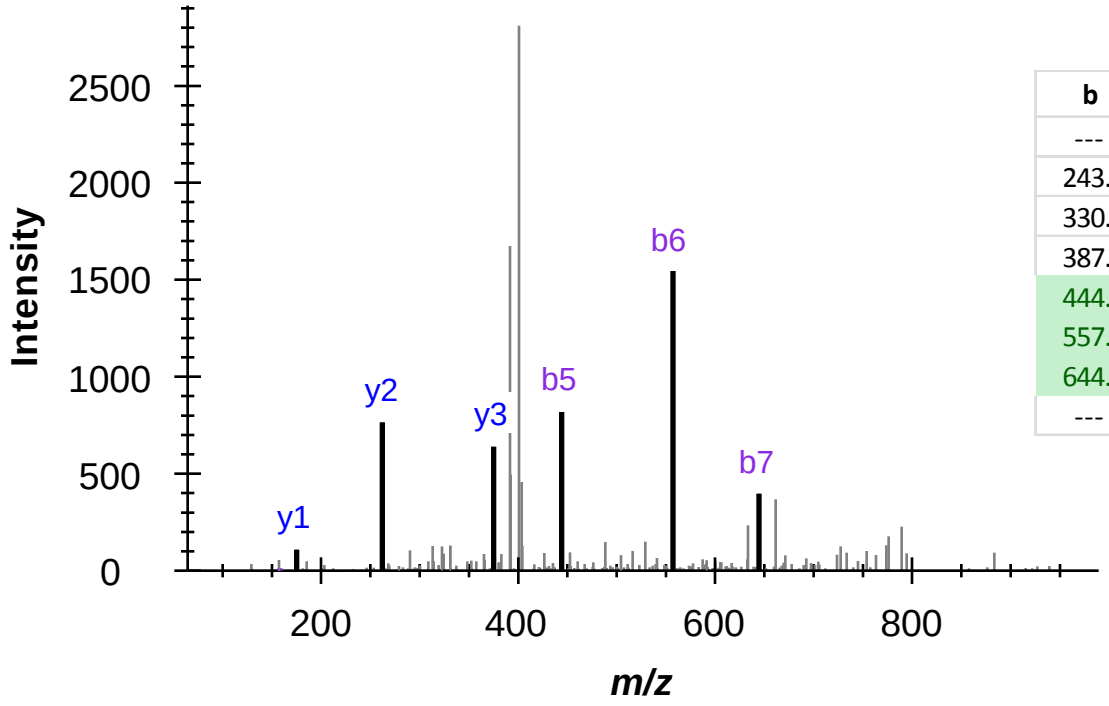
IonScore: 22.58; expect value: 1.32E-02



b				y	y^{+2}
---	1	**L**	6	---	---
171.11	2	**G**	5	641.27	321.14
318.15	3	**m**	4	584.25	292.63
465.22	4	**F**	3	437.21	219.11
580.24	5	**N->D**	2	290.15	145.58
---	6	**R**	1	175.12	88.06

DVU0500_ELSGGLSR

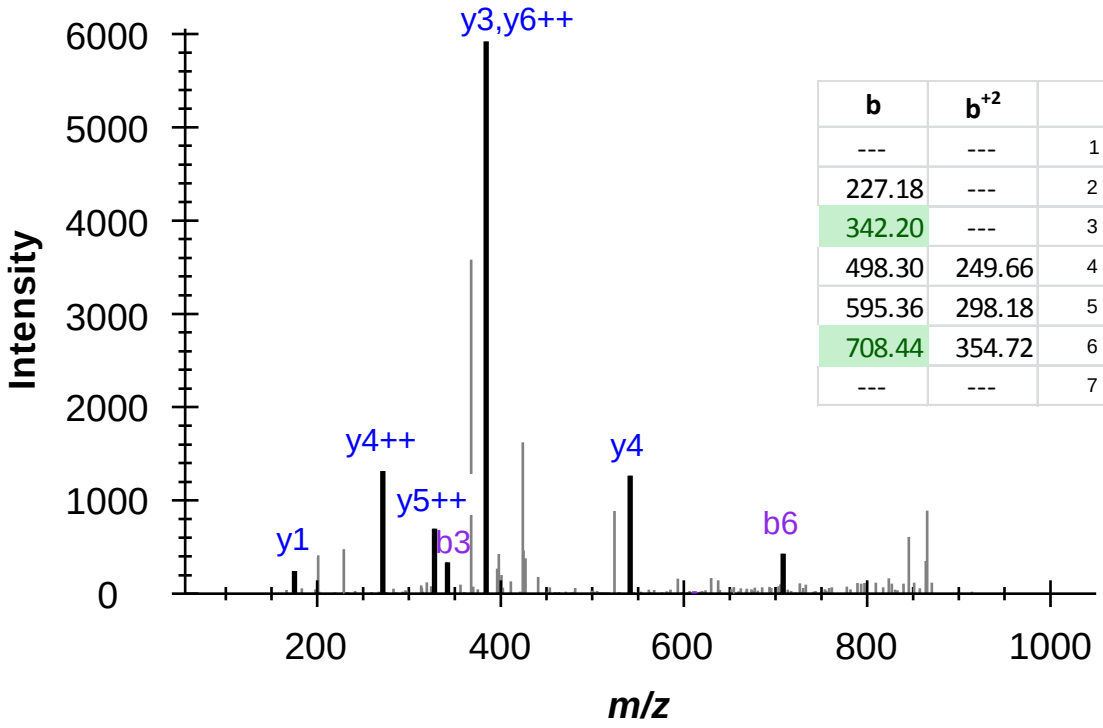
Experiment ID: L10537_37_697 ; Experiment Type: INSOL; Mass spectrometer: Orbitrap
m/z: 409.722; TheorMW (Da): 817.4294; delta: 0.1 ppm; missed cleav: 0; mods: none;
IonScore: 23; expect value: 4.99E-02



b				y	y^{+2}
---	1	**E**	8	---	---
243.13	2	**L**	7	689.39	345.20
330.17	3	**S**	6	576.31	288.66
387.19	4	**G**	5	489.28	245.14
444.21	5	**G**	4	432.26	216.63
557.29	6	**L**	3	375.24	188.12
644.33	7	**S**	2	262.15	131.58
---	8	**R**	1	175.12	88.06

DVU0503_LIDRPIR

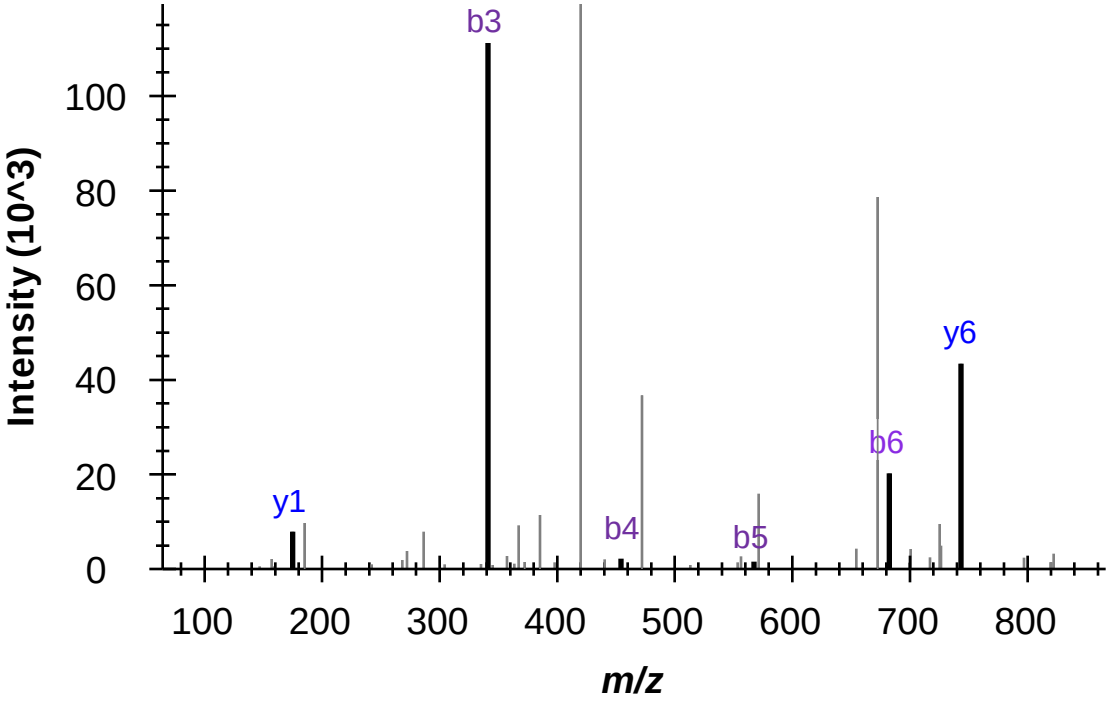
Experiment ID: L12832_44_837 ; Experiment Type: INSOL; Mass spectrometer: Orbitrap
m/z: 441.78; TheorMW (Da): 881.5447; delta: 0.9 ppm; missed cleav: 1; mods: none;
IonScore: 18.41; expect value: 4.04E-02



b	b^{+2}				y	y^{+2}
---	---	1	L	7	---	---
227.18	---	2	I	6	769.47	385.24
342.20	---	3	D	5	656.38	328.70
498.30	249.66	4	R	4	541.36	271.18
595.36	298.18	5	P	3	385.26	193.13
708.44	354.72	6	I	2	288.20	144.61
---	---	7	R	1	175.12	88.06

DVU0680_LLNLLDR

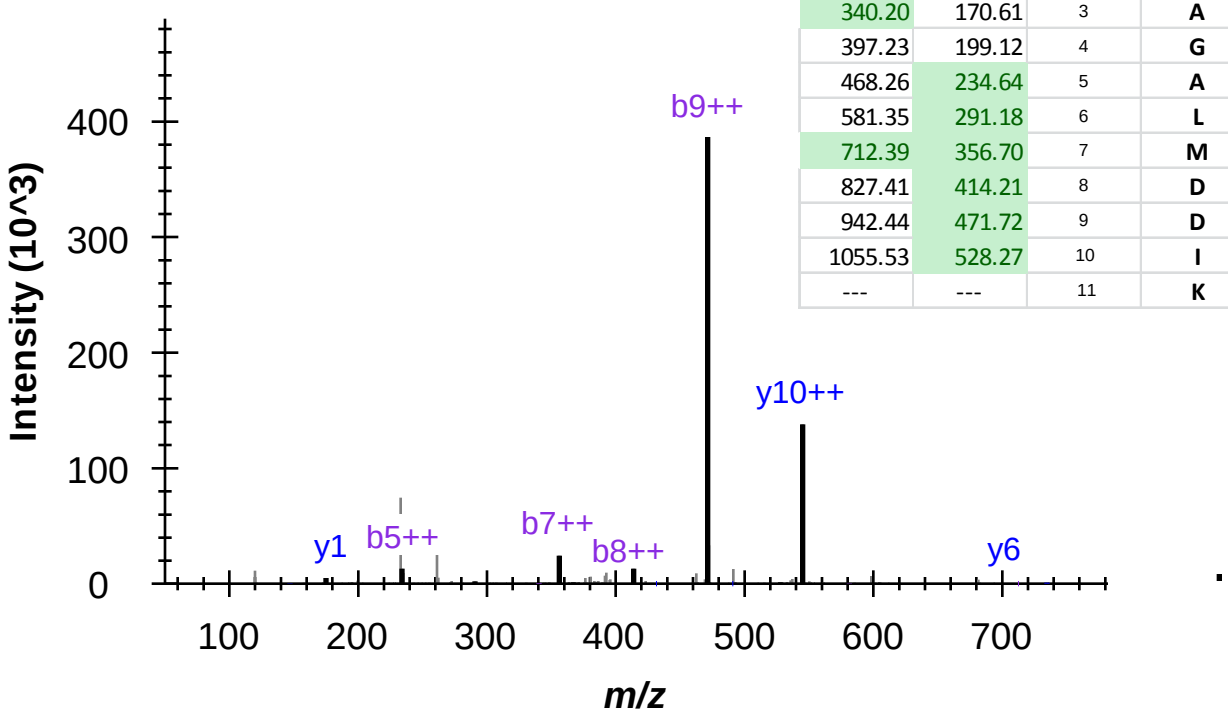
Experiment ID: L21723_69_1238 ; Experiment Type: INSOL; Mass spectrometer: Orbitrap
m/z: 428.767; TheorMW (Da): 855.518; delta: 2 ppm; missed cleav: 0; mods: none;
IonScore: 21.64; expect value: 2.3E-02



b				y	y^{+2}
---	1	L	7	---	---
227.18	2	L	6	743.44	372.22
341.22	3	N	5	630.36	315.68
454.3	4	L	4	516.31	258.66
567.39	5	L	3	403.23	202.12
682.41	6	D	2	290.15	145.58
---	7	R	1	175.12	88.06

DVU0855_QRAGALMDDIK

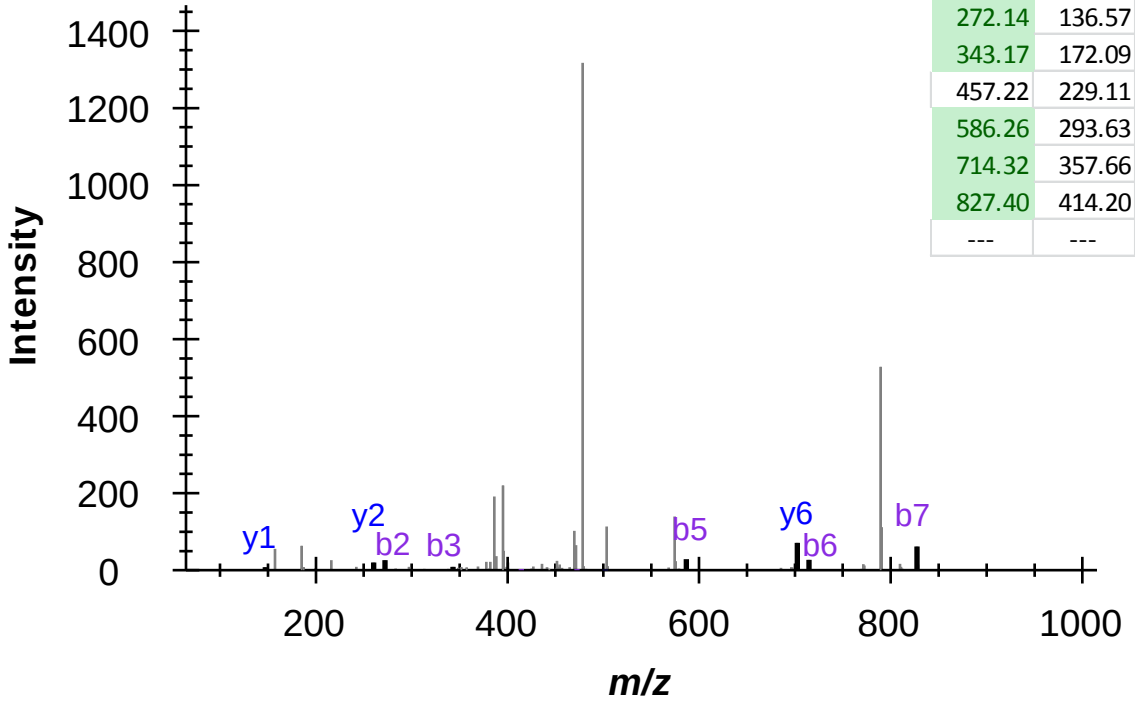
Experiment ID: L9398_33_631 ; Experiment Type: INSOL; Mass spectrometer: Orbitrap
m/z: 401.2; TheorMW (Da): 1200.58; delta: 0 ppm; missed cleav: 1; mods: [Q-16];
IonScore: 20.71; expect value: 3.90E-02



b	b^{+2}				y	y^{+2}
---	---	1	Q(-16)	11	---	---
269.17	135.09	2	R	10	1089.572	545.29
340.20	170.61	3	A	9	933.47	467.24
397.23	199.12	4	G	8	862.43	431.72
468.26	234.64	5	A	7	805.41	403.21
581.35	291.18	6	L	6	734.38	367.69
712.39	356.70	7	M	5	621.29	311.15
827.41	414.21	8	D	4	490.25	245.63
942.44	471.72	9	D	3	375.22	188.12
1055.53	528.27	10	I	2	260.20	130.60
---	---	11	K	1	147.11	74.06

DVU0870_RDANEQLK

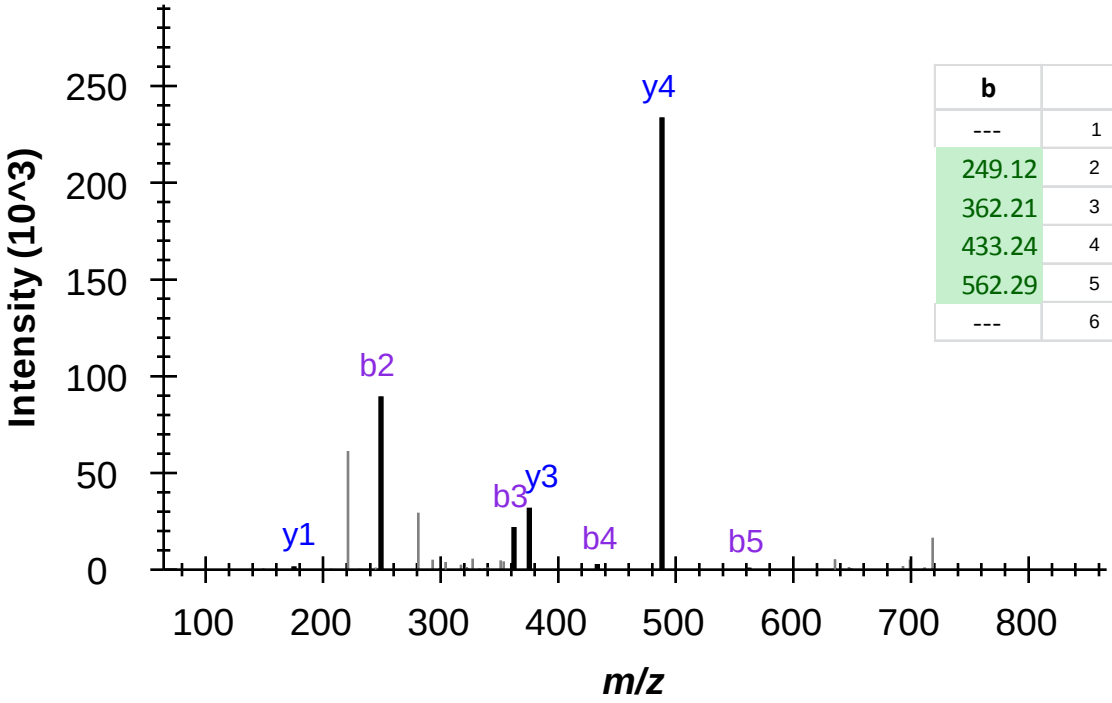
Experiment ID: L21825_70_3224 ; Experiment Type: INGEL; Mass spectrometer: LTQ
m/z: 487.242; TheorMW (Da): 972.4989; delta: -30.2 ppm; missed cleav: 1; mods: none;
IonScore: 34.57; expect value: 4.35E-02



b	b^{+2}				y	y^{+2}
---	---	1	R	8	---	---
272.14	136.57	2	D	7	817.41	409.21
343.17	172.09	3	A	6	702.38	351.69
457.22	229.11	4	N	5	631.34	316.17
586.26	293.63	5	E	4	517.30	259.15
714.32	357.66	6	Q	3	388.26	194.63
827.40	414.20	7	L	2	260.20	130.60
---	---	8	K	1	147.11	74.06

DVU0961_FTLAER

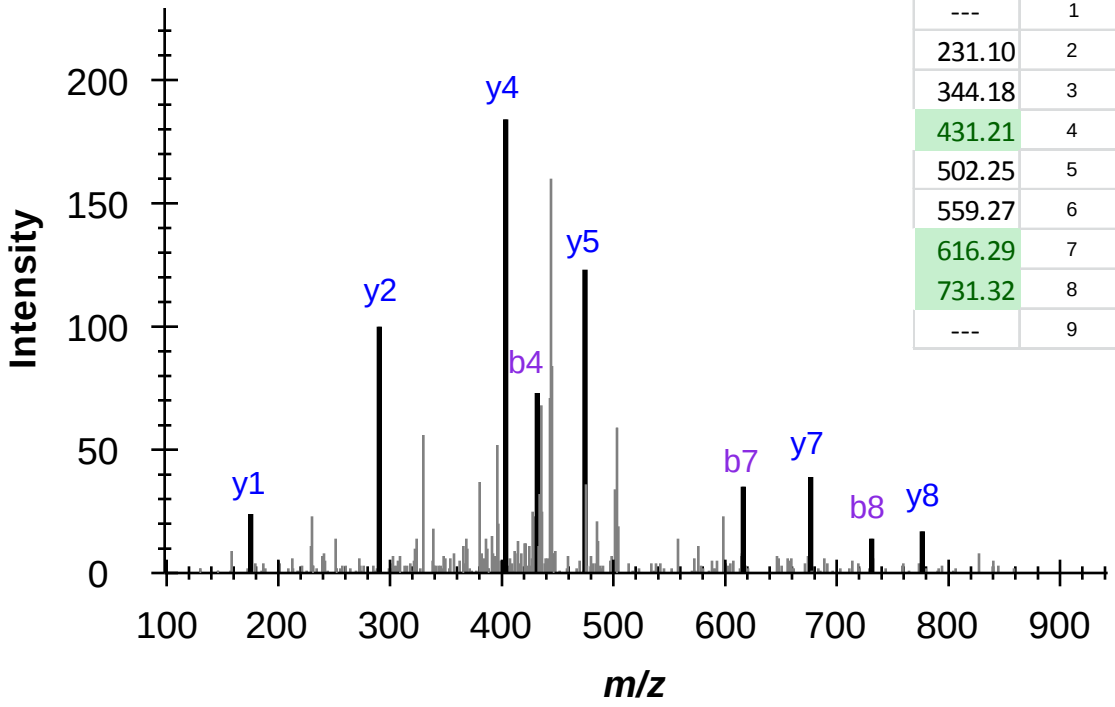
Experiment ID: L10095_35_670 ; Experiment Type: INSOL; Mass spectrometer: Orbitrap
m/z: 368.703; TheorMW (Da): 735.3916; delta: -0.1 ppm; missed cleav: 0; mods: none;
IonScore: 32.63; expect value: 3.17E-03
Competitor ID: DVU0120_TFLQAR



b				y	y^{+2}
---	1	F	6	---	---
249.12	2	T	5	589.33	295.17
362.21	3	L	4	488.28	244.65
433.24	4	A	3	375.20	188.10
562.29	5	E	2	304.16	152.58
---	6	R	1	175.12	88.06

DVU1018_ETLSAGGDR

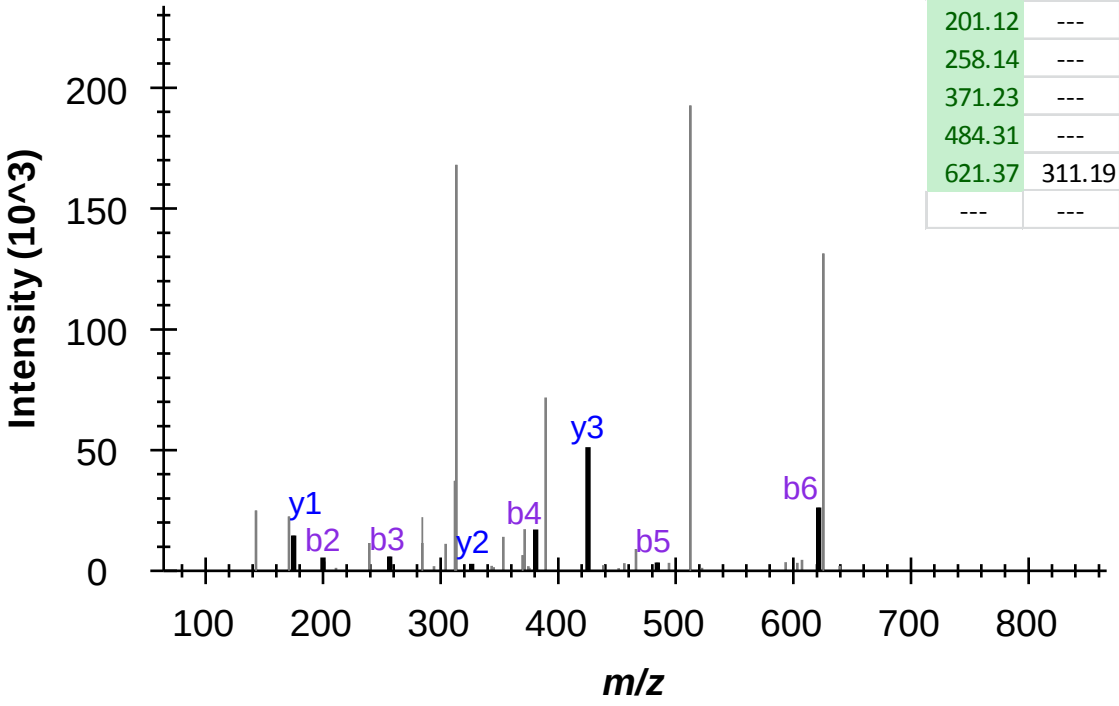
Experiment ID: L5930_24_326 ; Experiment Type: INSOL; Mass spectrometer: LTQ
m/z: 453.23; TheorMW (Da): 904.4251; delta: 22.6 ppm; missed cleav: 0; mods: none;
IonScore: 37.03; expect value: 3.04E-02



b				y	y^{+2}
---	1	E	9	---	---
231.10	2	T	8	776.39	388.70
344.18	3	L	7	675.34	338.17
431.21	4	S	6	562.26	281.63
502.25	5	A	5	475.23	238.12
559.27	6	G	4	404.19	202.60
616.29	7	G	3	347.17	174.09
731.32	8	D	2	290.15	145.58
---	9	R	1	175.12	88.06

DVU1049_SLGILHR

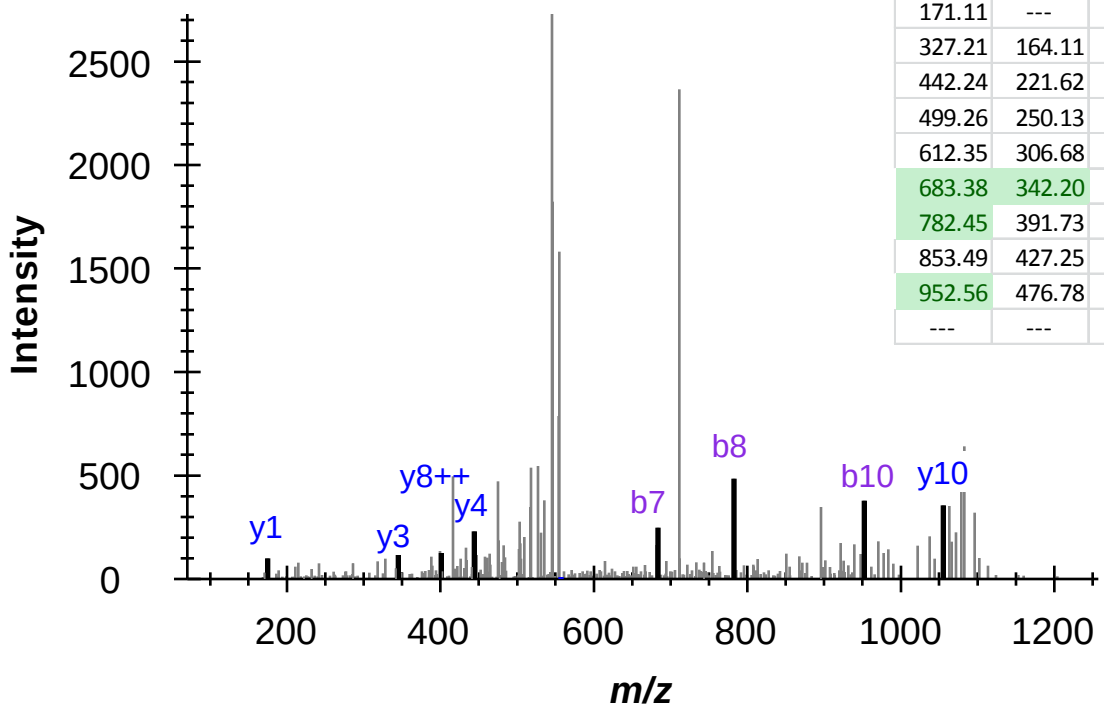
Experiment ID: L24494_78_1388 ; Experiment Type: INSOL; Mass spectrometer: Orbitrap
m/z: 398.245; TheorMW (Da): 794.477; delta: -1.1 ppm; missed cleav: 0; mods: none;
IonScore: 18.44; expect value: 3.5E-02



b	b^{+2}				y	y^{+2}
---	---	1	S	7	---	---
201.12	---	2	L	6	708.45	354.73
258.14	---	3	G	5	595.37	298.19
371.23	---	4	I	4	538.35	269.68
484.31	---	5	L	3	425.26	213.13
621.37	311.19	6	H	2	312.18	156.59
---	---	7	R	1	175.12	88.06

DVU1091_AVRDGIAVAVR

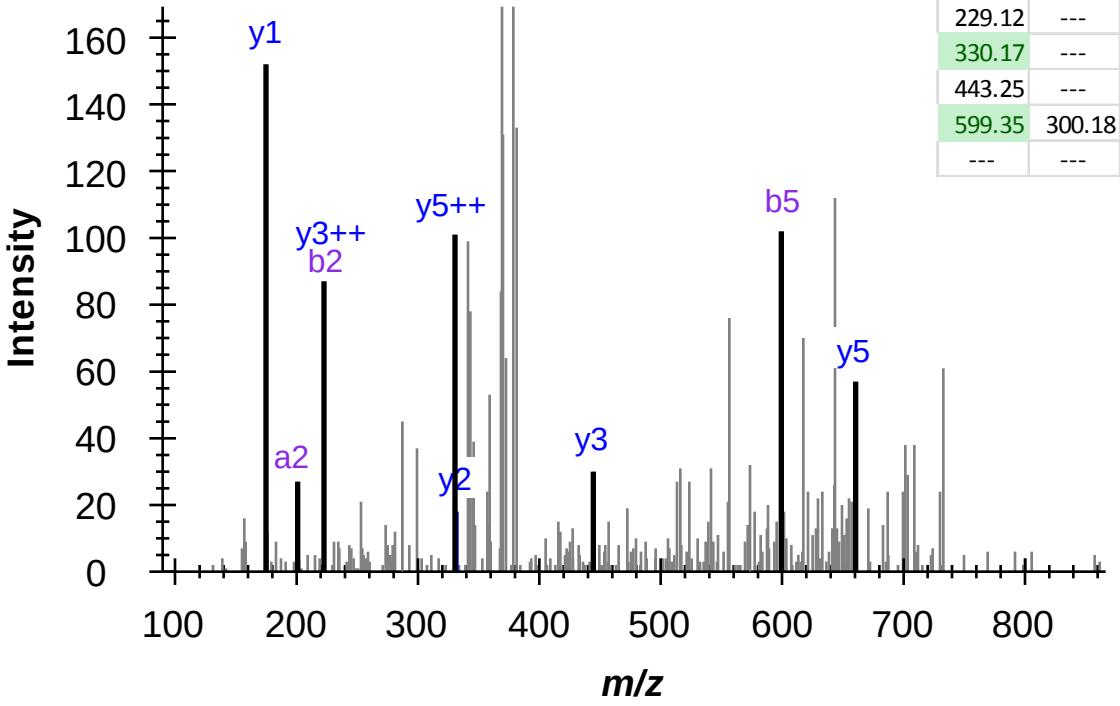
Experiment ID: L21638_69_1233 ; Experiment Type: INSOL; Mass spectrometer: Orbitrap
m/z: 563.838; TheorMW (Da): 1125.6619; delta: -0.3 ppm; missed cleav: 1; mods: none;
IonScore: 16.69; expect value: 4.29E-02



b	b^{+2}				y	y^{+2}
---	---	1	A	11	---	---
171.11	---	2	V	10	1055.63	528.32
327.21	164.11	3	R	9	956.56	478.79
442.24	221.62	4	D	8	800.46	400.73
499.26	250.13	5	G	7	685.44	343.22
612.35	306.68	6	I	6	628.41	314.71
683.38	342.20	7	A	5	515.33	258.17
782.45	391.73	8	V	4	444.29	222.65
853.49	427.25	9	A	3	345.22	173.12
952.56	476.78	10	V	2	274.19	137.60
---	---	11	R	1	175.12	88.06

DVU1116_IDTLRR

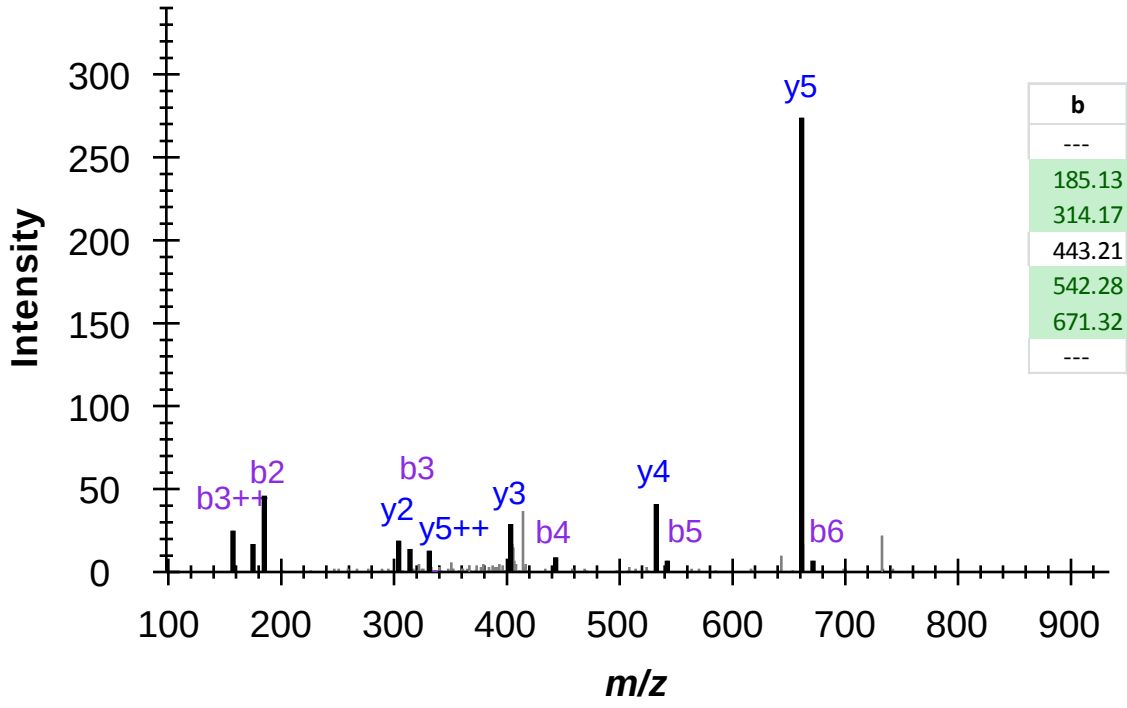
Experiment ID: L22743_73_1308 ; Experiment Type: INSOL; Mass spectrometer: Orbitrap
m/z: 387.235; TheorMW (Da): 772.456; delta: -0.1 ppm; missed cleav: 1; mods: none;
IonScore: 26.88; expect value: 1.8E-02



b	b^{+2}				y	y^{+2}
---	---	1	I	6	---	---
229.12	---	2	D	5	660.38	330.69
330.17	---	3	T	4	545.35	273.18
443.25	---	4	L	3	444.30	222.66
599.35	300.18	5	R	2	331.22	166.11
---	---	6	R	1	175.12	88.06

DVU1123_ALQEVQR

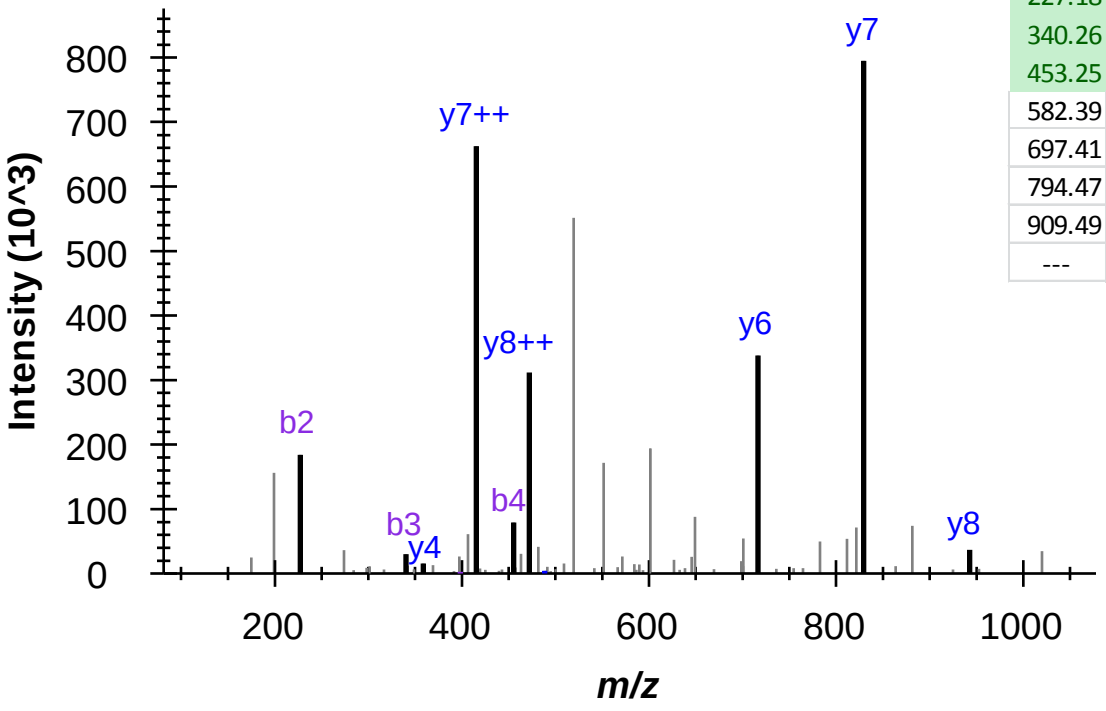
Experiment ID: L11132_39_1140 ; Experiment Type: INGEL; Mass spectrometer: LTQ
m/z: 423.181; TheorMW (Da): 844.4291; delta: -96.6 ppm; missed cleav: 0; mods: 2 Deamidation (NQ);
IonScore: 35.82; expect value: 3.69E-02



b				y	y^{+2}
---	1	A	7	---	---
185.13	2	L	6	774.40	387.70
314.17	3	Q->E	5	661.32	331.16
443.21	4	E	4	532.27	266.64
542.28	5	V	3	403.23	202.12
671.32	6	Q->E	2	304.16	152.58
---	7	R	1	175.12	88.06

DVU1138_ILLLEDPDK

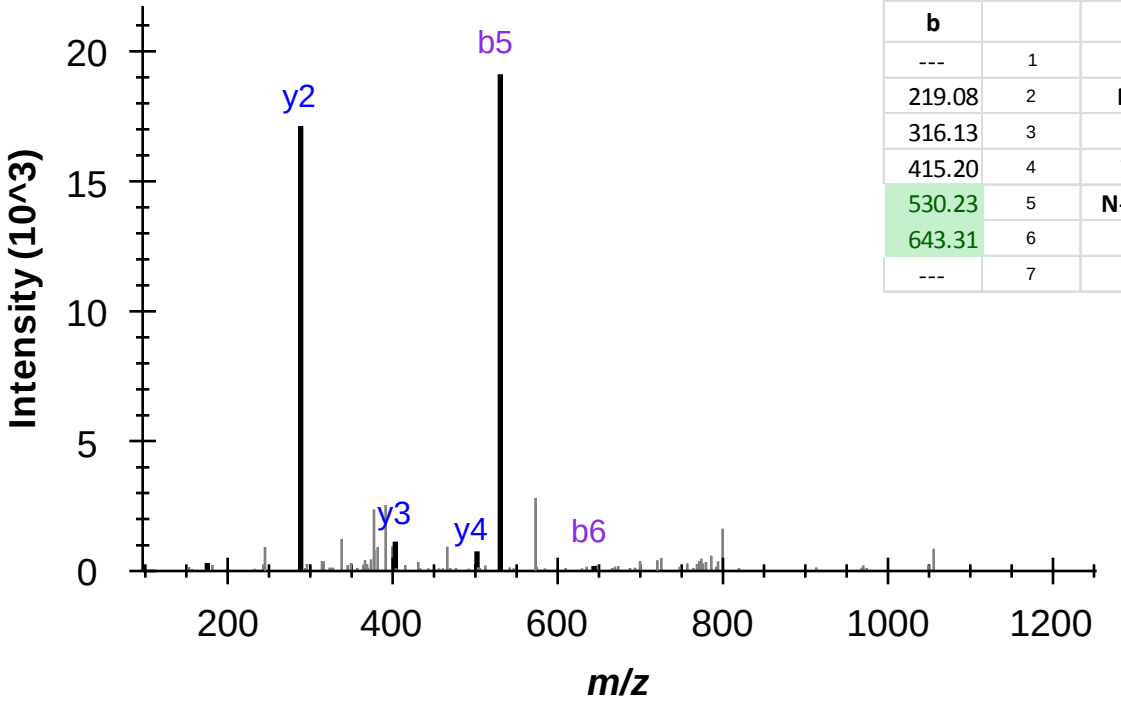
Experiment ID: L8191_29_547; Experiment Type: INSOL; Mass spectrometer: Orbitrap
m/z: 528.304; TheorMW (Da): 1054.59; delta: 2.3 ppm; missed cleav: 0; mods: none;
IonScore: 22.7; expect value: 1.2E-02



b				y	y^{+2}
---	1	I	9	---	---
227.18	2	L	8	942.51	471.76
340.26	3	L	7	829.43	415.22
453.25	4	L	6	716.35	358.68
582.39	5	E	5	603.26	302.13
697.41	6	D	4	474.22	237.61
794.47	7	P	3	359.19	180.1
909.49	8	D	2	262.14	131.57
---	9	K	1	147.11	74.06

DVU1283_SMPVNIR

Experiment ID: L9483_34_636 ; Experiment Type: INSOL; Mass spectrometer: Orbitrap
m/z: 409.216; TheorMW (Da): 816.4164; delta: 1.3 ppm; missed cleav: 0; mods: Deamidation (NQ);
IonScore: 20.48; expect value: 3.89E-02

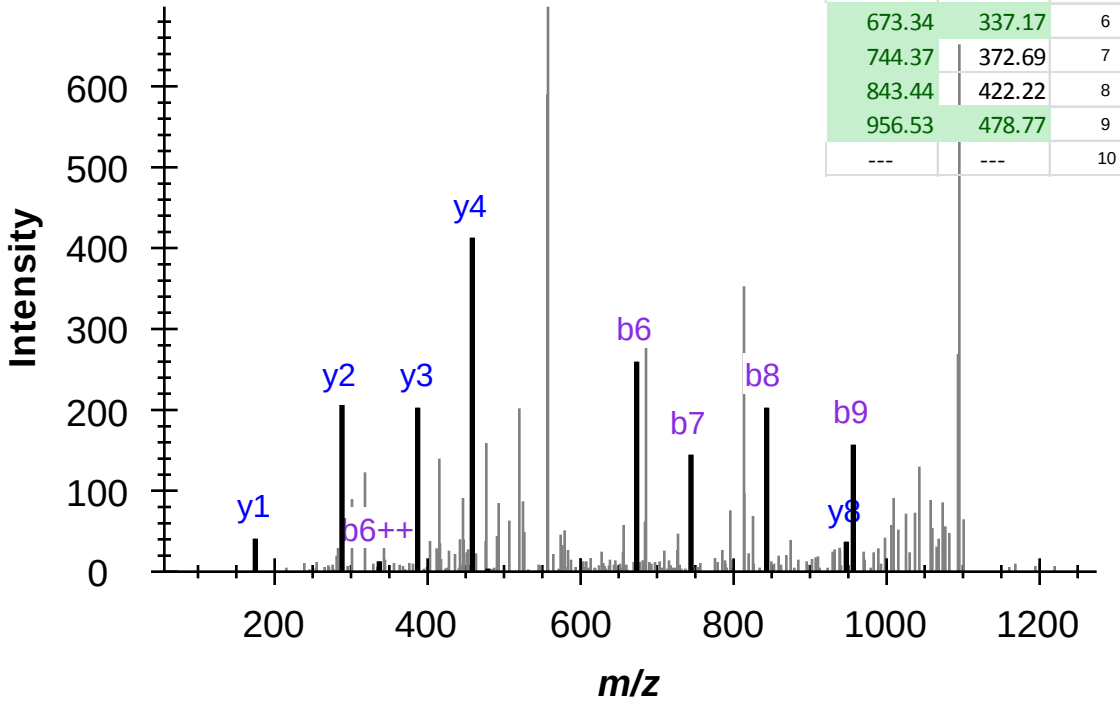


b				y	y^{+2}
---	1	S	7	---	---
219.08	2	M	6	730.39	365.70
316.13	3	P	5	599.35	300.18
415.20	4	V	4	502.30	251.65
530.23	5	N->D	3	403.23	202.12
643.31	6	I	2	288.20	144.61
---	7	R	1	175.12	88.06

DVU1457_QAERFGAVLR

Experiment ID: L15484_49_865 ; Experiment Type: INSOL; Mass spectrometer: Orbitrap
m/z: 565.802; TheorMW (Da): 1129.588; delta: 1.3 ppm; missed cleav: 1; mods: [Q-16];
IonScore: 26.76; expect value: 1.16E-02

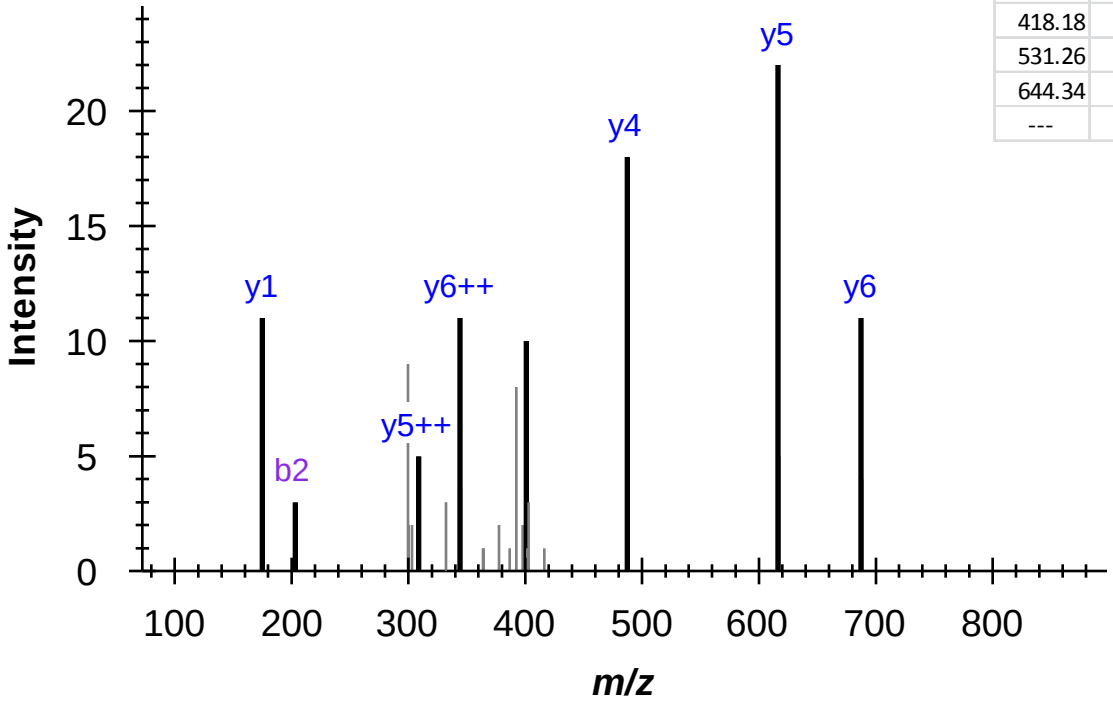
b	b^{+2}				y	y^{+2}
---	---	1	Q(-16)	10	---	---
184.10	---	2	A	9	1018.58	509.79
313.15	---	3	E	8	947.54	474.27
469.25	235.13	4	R	7	818.50	409.75
616.32	308.66	5	F	6	662.40	331.70
673.34	337.17	6	G	5	515.33	258.17
744.37	372.69	7	A	4	458.31	229.66
843.44	422.22	8	V	3	387.27	194.14
956.53	478.77	9	L	2	288.20	144.61
---	---	10	R	1	175.12	88.06



DVU1606_MAQSILR

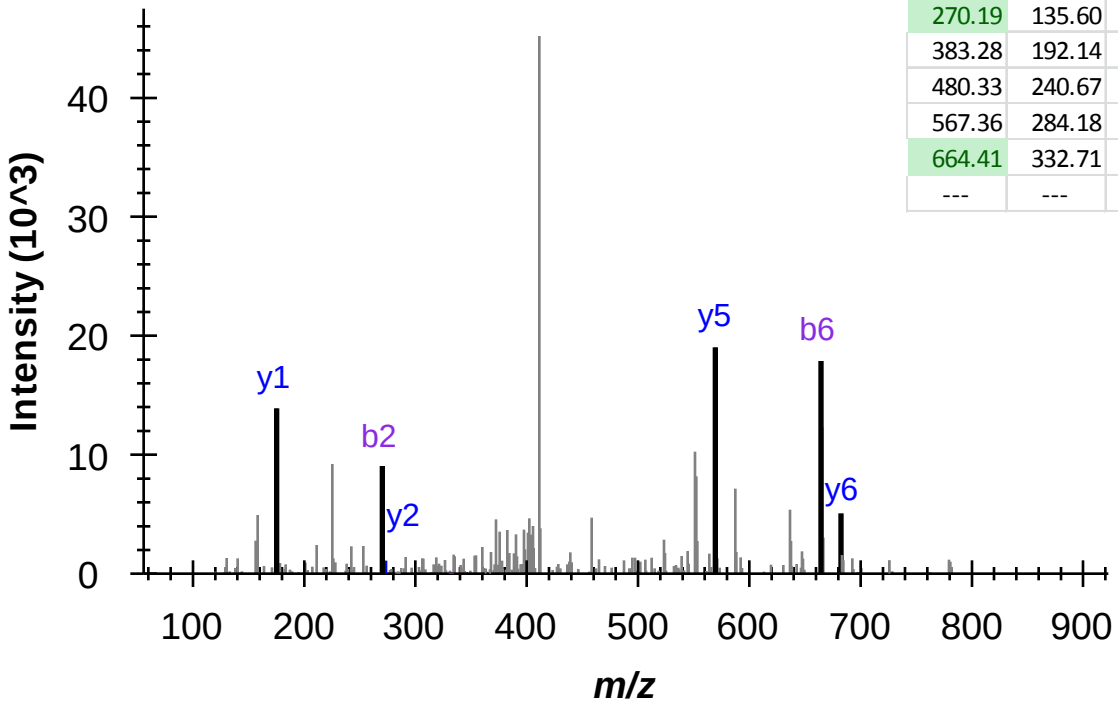
Experiment ID: L10350_36_974 ; Experiment Type: INGEL; Mass spectrometer: LTQ
m/z: 409.781; TheorMW (Da): 817.448; delta: 121.7 ppm; missed cleav: 0; mods: none;
IonScore: 35.08; expect value: 4.86E-02

b				y	y^{+2}
---	1	M	7	---	---
203.08	2	A	6	687.41	344.21
331.14	3	Q	5	616.38	308.69
418.18	4	S	4	488.32	244.66
531.26	5	I	3	401.29	201.15
644.34	6	L	2	288.20	144.61
---	7	R	1	175.12	88.06



DVU1619_RLLPSPR

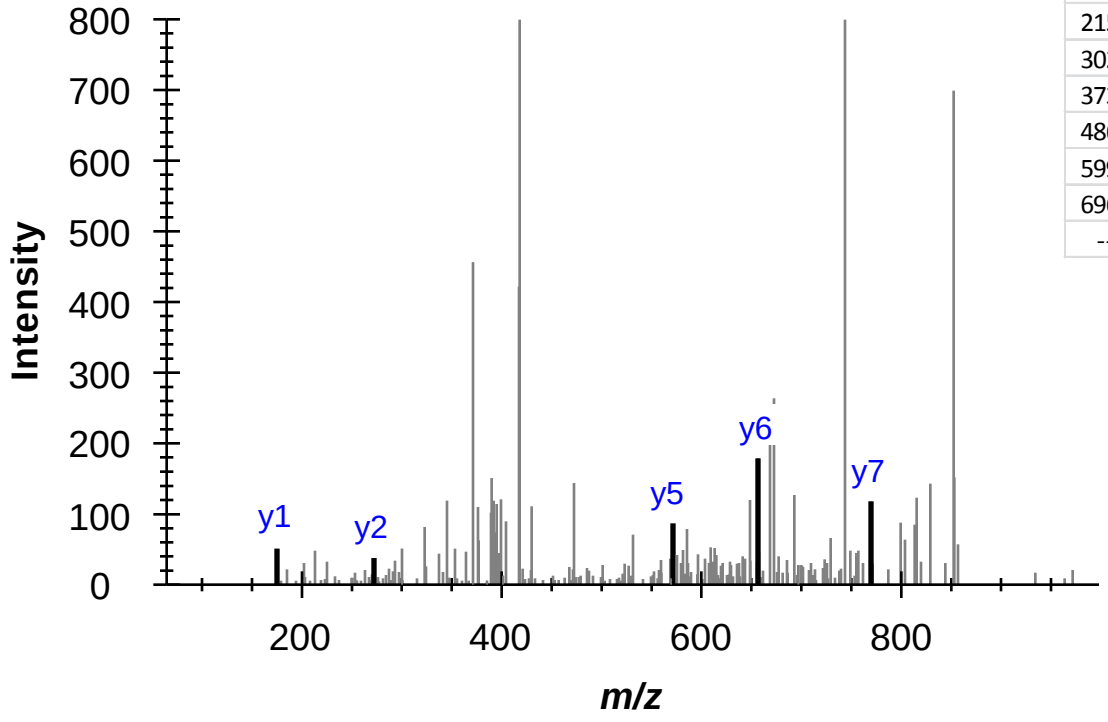
Experiment ID: L11625_40_761 ; Experiment Type: INSOL; Mass spectrometer: Orbitrap
m/z: 419.77; TheorMW (Da): 837.52; delta: 0 ppm; missed cleav: 1; mods: none;
IonScore: 19.8; expect value: 2.10E-02



b	b^{+2}				y	y^{+2}
---	---	1	R	7	---	---
270.19	135.60	2	L	6	682.42	341.72
383.28	192.14	3	L	5	569.34	285.17
480.33	240.67	4	P	4	456.26	228.63
567.36	284.18	5	S	3	359.20	180.11
664.41	332.71	6	P	2	272.17	136.59
---	---	7	R	1	175.12	88.06

DVU1771_TLSALLPR

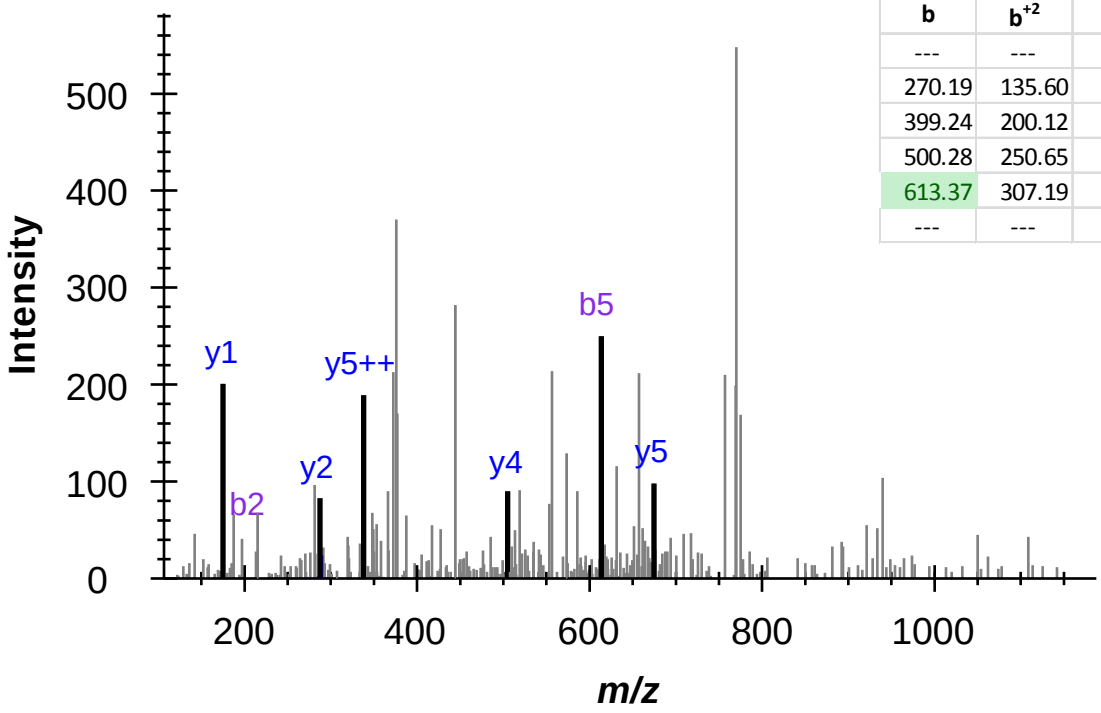
Experiment ID: L22998_71_1269 ; Experiment Type: INSOL; Mass spectrometer: Orbitrap
m/z: 435.774; TheorMW (Da): 869.534; delta: 0.1 ppm; missed cleav: 0; mods: none;
IonScore: 17.46; expect value: 3.8E-02



b				y	y^{+2}
---	1	T	8	---	---
215.14	2	L	7	769.49	385.25
302.17	3	S	6	656.41	328.71
373.21	4	A	5	569.38	285.19
486.29	5	L	4	498.34	249.67
599.38	6	L	3	385.26	193.13
696.43	7	P	2	272.17	136.59
---	8	R	1	175.12	88.063

DVU1818_IRETLR

Experiment ID: L8939_32_602 ; Experiment Type: INSOL; Mass spectrometer: Orbitrap
m/z: 394.243; TheorMW (Da): 786.4712; delta: 0.4 ppm; missed cleav: 1; mods: none;
IonScore: 16.55; expect value: 4.98E-02



b	b^{+2}				y	y^{+2}
---	---	1	I	6	---	---
270.19	135.60	2	R	5	674.39	337.70
399.24	200.12	3	E	4	518.29	259.65
500.28	250.65	4	T	3	389.25	195.13
613.37	307.19	5	L	2	288.20	144.61
---	---	6	R	1	175.12	88.06

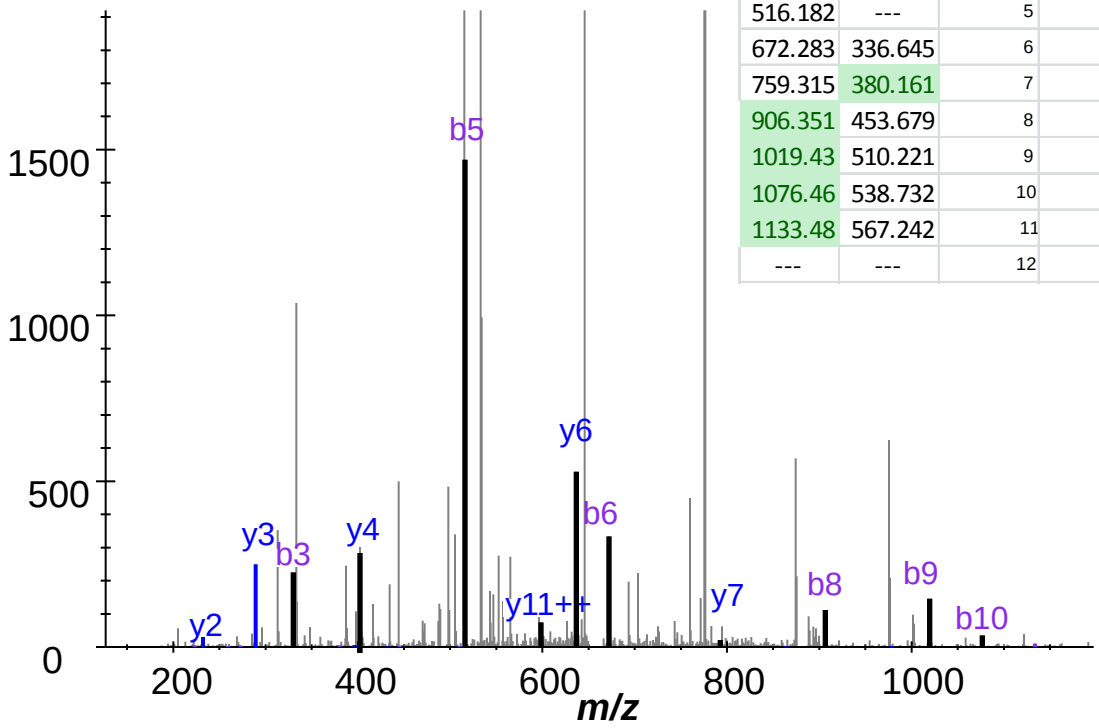
DVU1955_QCGNARSMLGGR

Experiment ID: L10911_38_1093 ; Experiment Type: INGEL; Mass spectrometer: LTQ

m/z: 654.322; TheorMW (Da): 1306.5871; delta: 32.5 ppm; missed cleav: 1; mods: [Q-16], Deamidation (NQ);

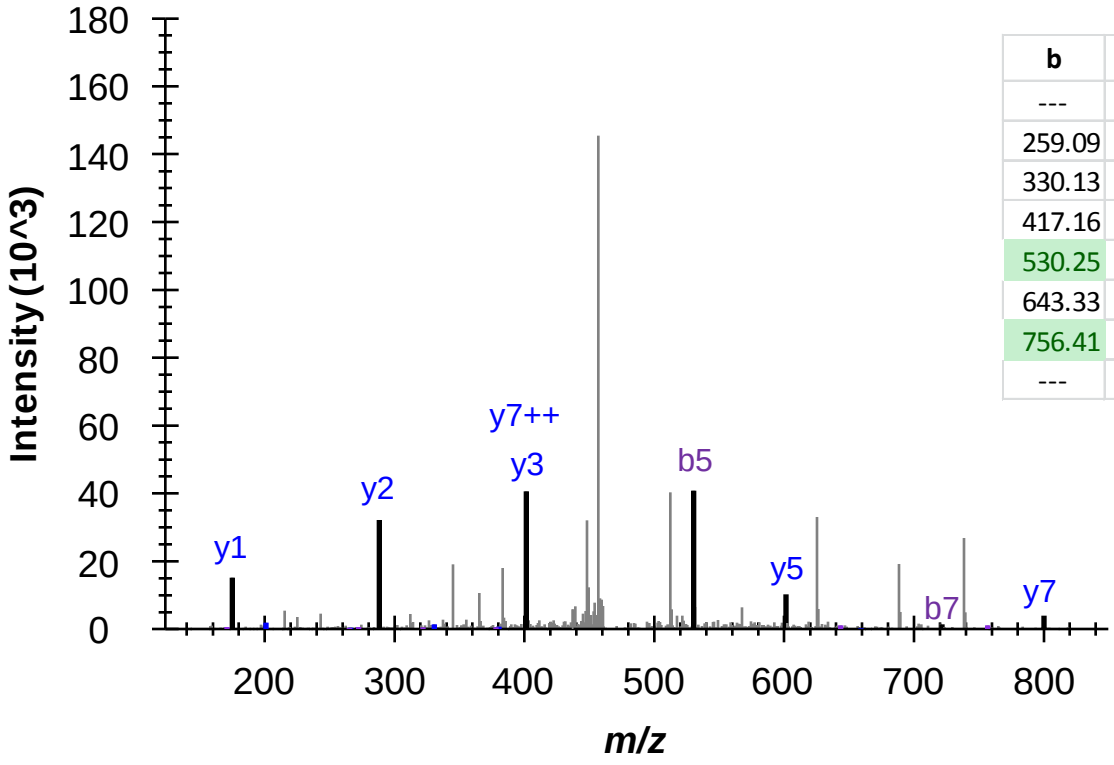
IonScore: 38.15; expect value: 1.58E-02

b	b^{+2}				y	y^{+2}
---	---	1	Q(-16)	12	---	---
273.097	---	2	C(Carbamidomethyl)	11	1195.53	598.269
330.118	---	3	G	10	1035.5	518.254
445.145	---	4	N->D	9	978.479	489.743
516.182	---	5	A	8	863.452	432.229
672.283	336.645	6	R	7	792.415	396.711
759.315	380.161	7	S	6	636.313	318.66
906.351	453.679	8	m	5	549.281	275.144
1019.43	510.221	9	L	4	402.246	201.627
1076.46	538.732	10	G	3	289.162	145.085
1133.48	567.242	11	G	2	232.14	116.574
---	---	12	R	1	175.119	88.0631



DVU1959_EEASILLR

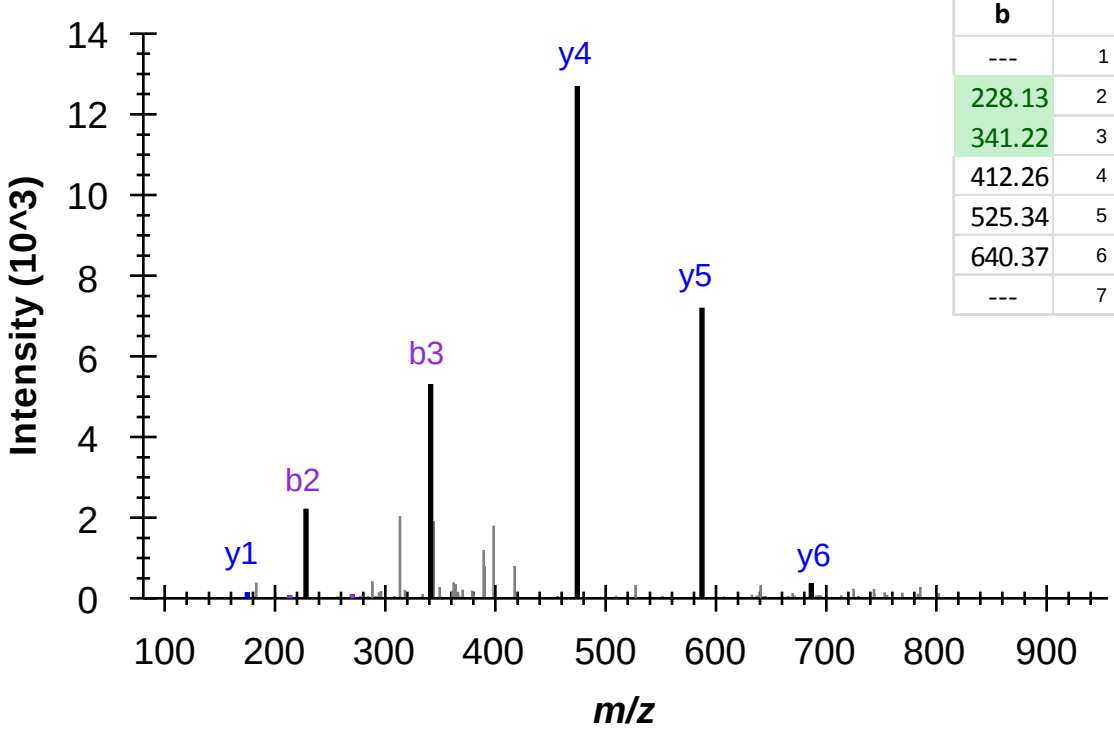
Experiment ID: L8344_30_564 ; Experiment Type: INSOL; Mass spectrometer: Orbitrap
m/z: 465.77; TheorMW (Da): 929.52; delta: 0 ppm; missed cleav: 0; mods: none;
IonScore: 22.31; expect value: 4.1E-02



b				y	y^{+2}
---	1	**E**	8	---	---
259.09	2	**E**	7	801.48	401.25
330.13	3	**A**	6	672.44	336.72
417.16	4	**S**	5	601.40	301.21
530.25	5	**I**	4	514.37	257.69
643.33	6	**L**	3	401.29	201.15
756.41	7	**L**	2	288.20	144.61
---	8	**R**	1	175.12	88.06

DVU2099_QVLALNR

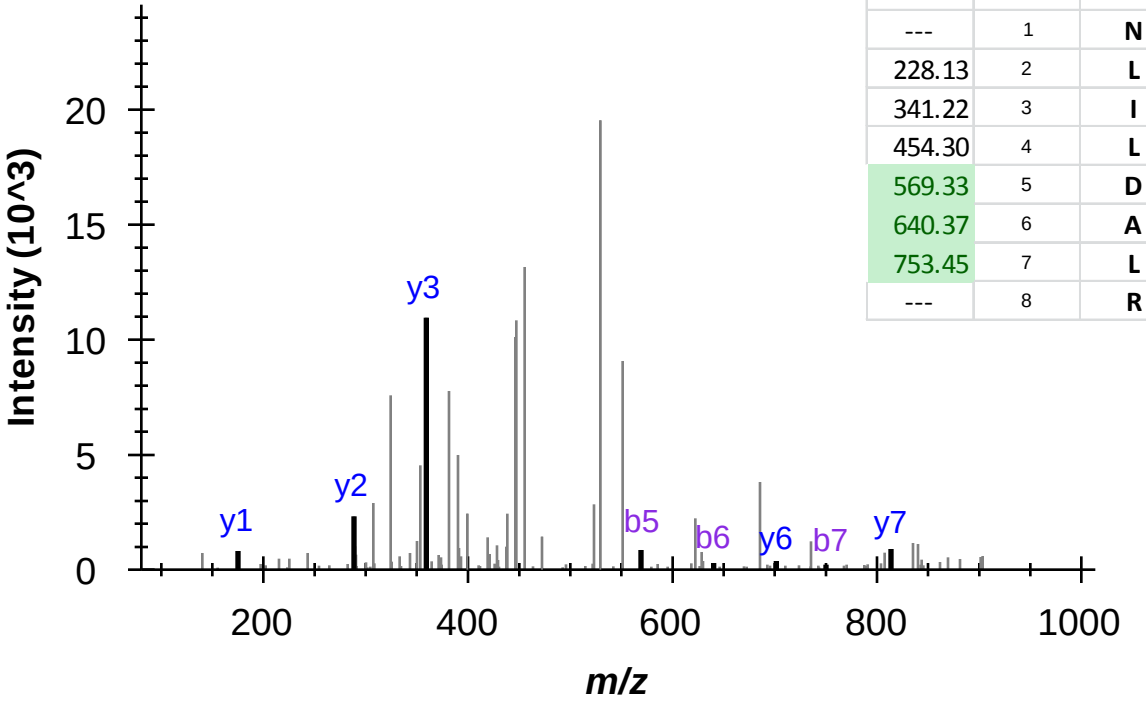
Experiment ID: L18884_61_1089 ; Experiment Type: INSOL; Mass spectrometer: Orbitrap
m/z: 407.743; TheorMW (Da): 813.471; delta: 0.8 ppm; missed cleav: 0; mods: Deamidation (NQ);
IonScore: 21.72; expect value: 4.6E-02



b				y	y^{+2}
---	1	**Q**	7	---	---
228.13	2	**V**	6	686.42	343.71
341.22	3	**L**	5	587.35	294.18
412.26	4	**A**	4	474.27	237.64
525.34	5	**L**	3	403.23	202.12
640.37	6	**N->D**	2	290.15	145.58
---	7	**R**	1	175.12	88.06

DVU2114_NLILDALR

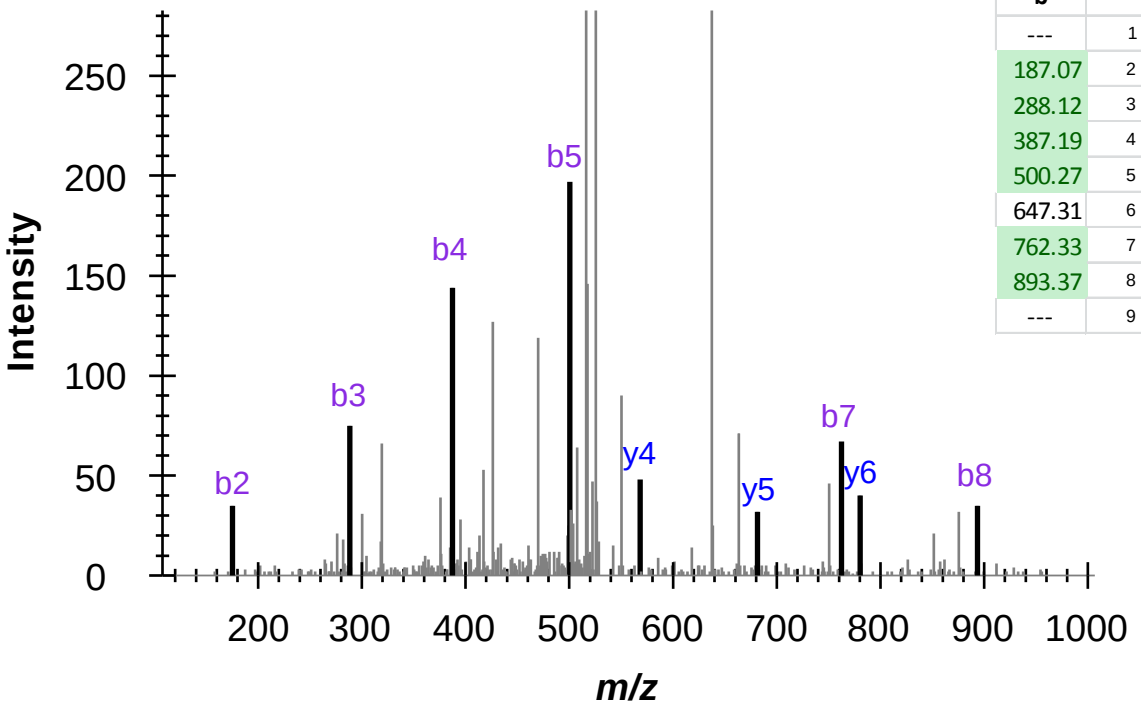
Experiment ID: L16079_51_908 ; Experiment Type: INSOL; Mass spectrometer: Orbitrap
m/z: 464.285; TheorMW (Da): 926.5549; delta: 0.6 ppm; missed cleav: 0; mods: none;
IonScore: 17.32; expect value: 4.82E-02



b				y	y^{+2}
---	1	N	8	---	---
228.13	2	L	7	813.52	407.26
341.22	3	I	6	700.44	350.72
454.30	4	L	5	587.35	294.18
569.33	5	D	4	474.27	237.64
640.37	6	A	3	359.24	180.12
753.45	7	L	2	288.20	144.61
---	8	R	1	175.12	88.06

DVU2121_GETVLMDMR

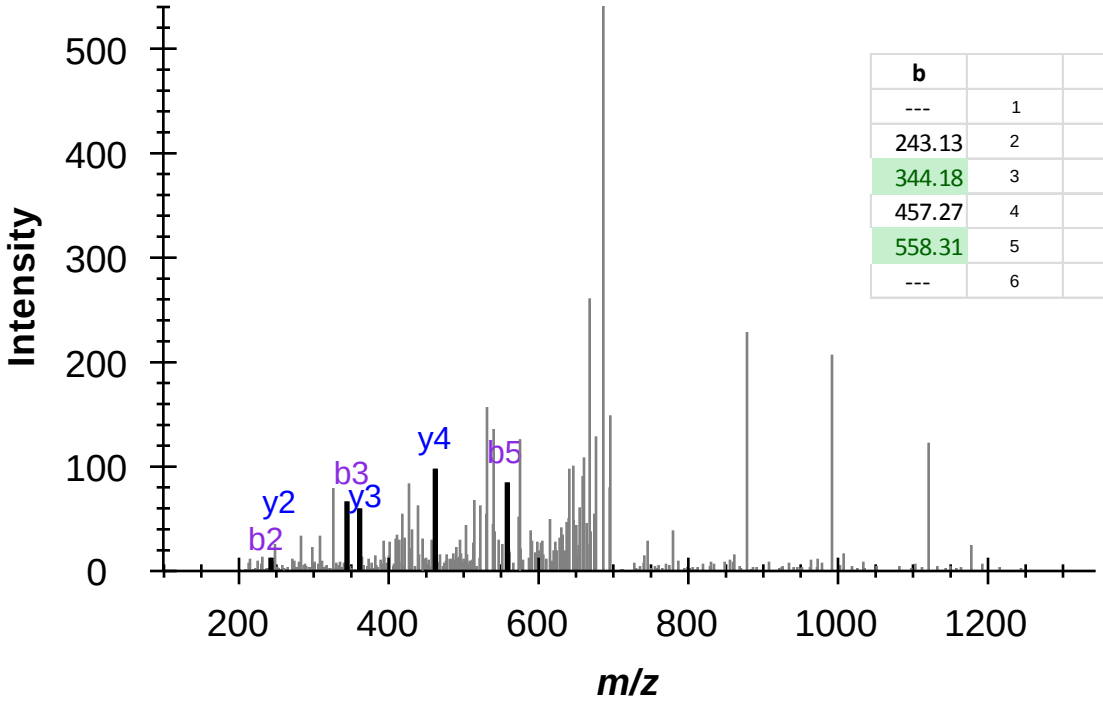
Experiment ID: L13325_46_107 ; Experiment Type: INSOL; Mass spectrometer: LTQ
m/z: 534.3; TheorMW (Da): 1066.479; delta: 100.1 ppm; missed cleav: 0; mods: Oxidation (M);
IonScore: 36.85; expect value: 2.2E-02



b				y	y^{+2}
---	1	G	9	---	---
187.07	2	E	8	1010.5	505.74
288.12	3	T	7	881.42	441.21
387.19	4	V	6	780.37	390.69
500.27	5	L	5	681.31	341.16
647.31	6	m	4	568.22	284.61
762.33	7	D	3	421.19	211.10
893.37	8	M	2	306.16	153.58
---	9	R	1	175.12	88.06

DVU2143_LETITK

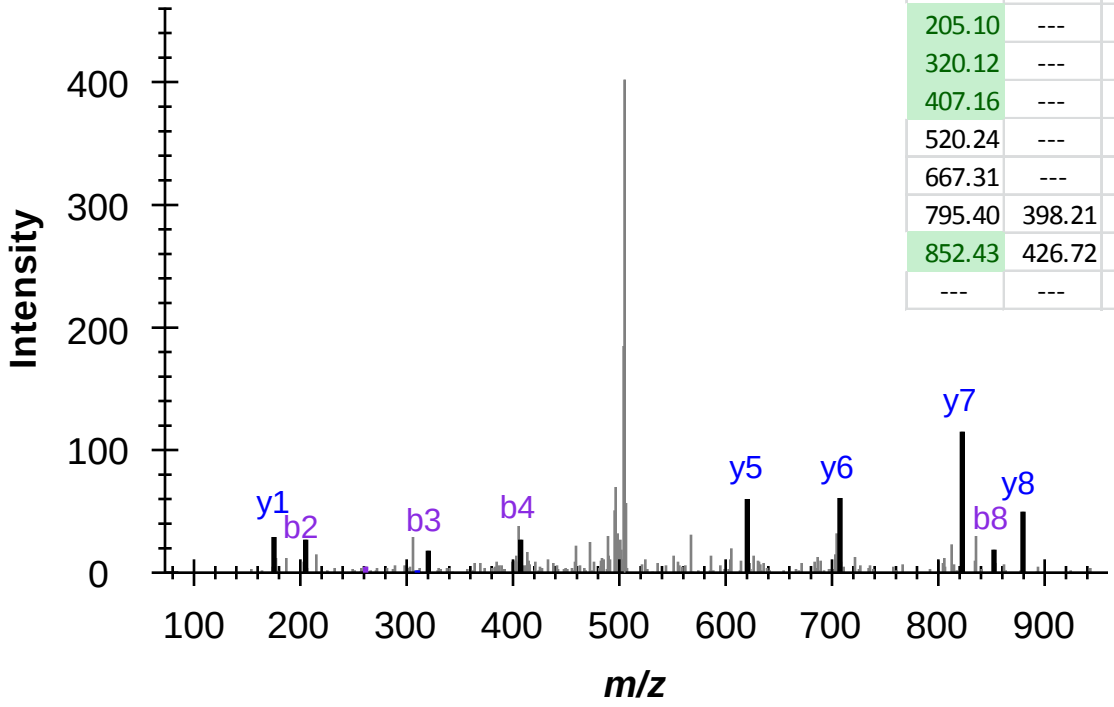
Experiment ID: L22845_71_1260 ; Experiment Type: INSOL; Mass spectrometer: Orbitrap
m/z: 704.418; TheorMW (Da): 703.4116; delta: -1.2 ppm; missed cleav: 0; mods: none;
IonScore: 14.89; expect value: 3.24E-02



b				y
---	1	L	6	---
243.13	2	E	5	591.33
344.18	3	T	4	462.29
457.27	4	I	3	361.24
558.31	5	T	2	248.16
---	6	K	1	147.11

DVU2385_FGDSLFKGR

Experiment ID: L4349_17_72 ; Experiment Type: INSOL; Mass spectrometer: LTQ
m/z: 513.55; TheorMW (Da): 1025.53; delta: -433 ppm; missed cleav: 1; mods: none;
IonScore: 39.01; expect value: 2.8E-02



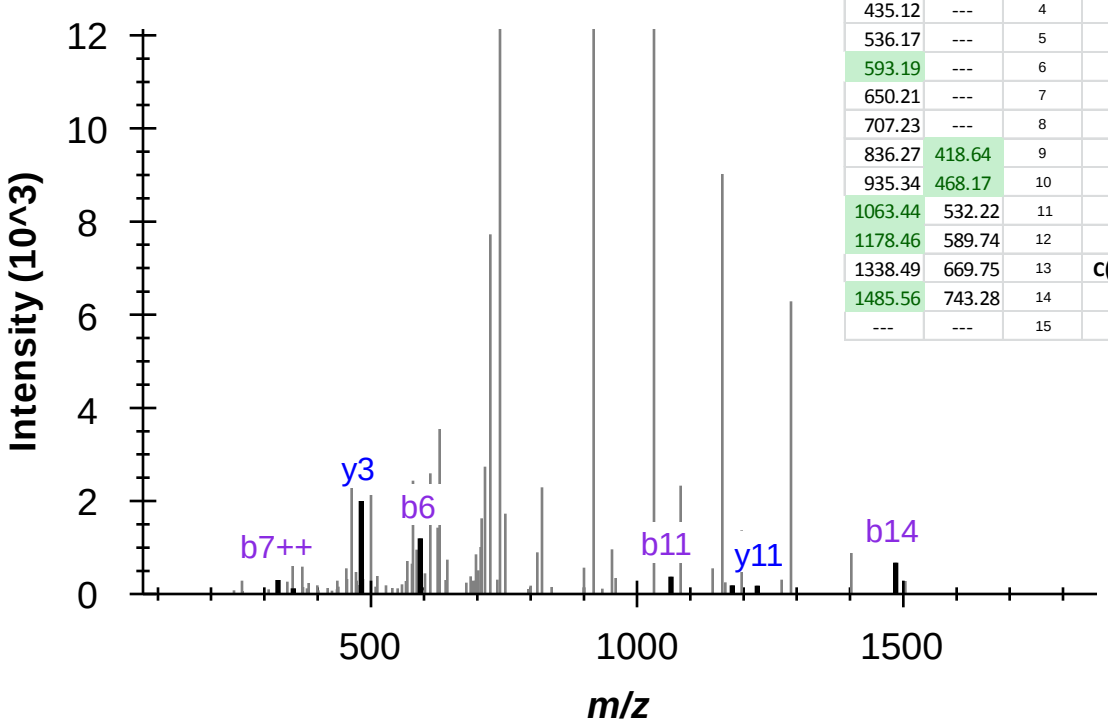
b	b^{+2}				y	y^{+2}
---	---	1	F	9	---	---
205.10	---	2	G	8	879.47	440.24
320.12	---	3	D	7	822.45	411.73
407.16	---	4	S	6	707.42	354.21
520.24	---	5	L	5	620.39	310.70
667.31	---	6	F	4	507.30	254.16
795.40	398.21	7	K	3	360.24	180.62
852.43	426.72	8	G	2	232.14	116.57
---	---	9	R	1	175.12	88.06

DVU2409_GNMDTGGGQVKNCFR

Experiment ID: L19241_64_1153 ; Experiment Type: INSOL; Mass spectrometer: Orbitrap

m/z: 830.341; TheorMW (Da): 1658.6665; delta: 0.6 ppm; missed cleav: 1; mods: 3 Deamidation (NQ); Oxidation (M);

IonScore: 16.87; expect value: 2.06E-02

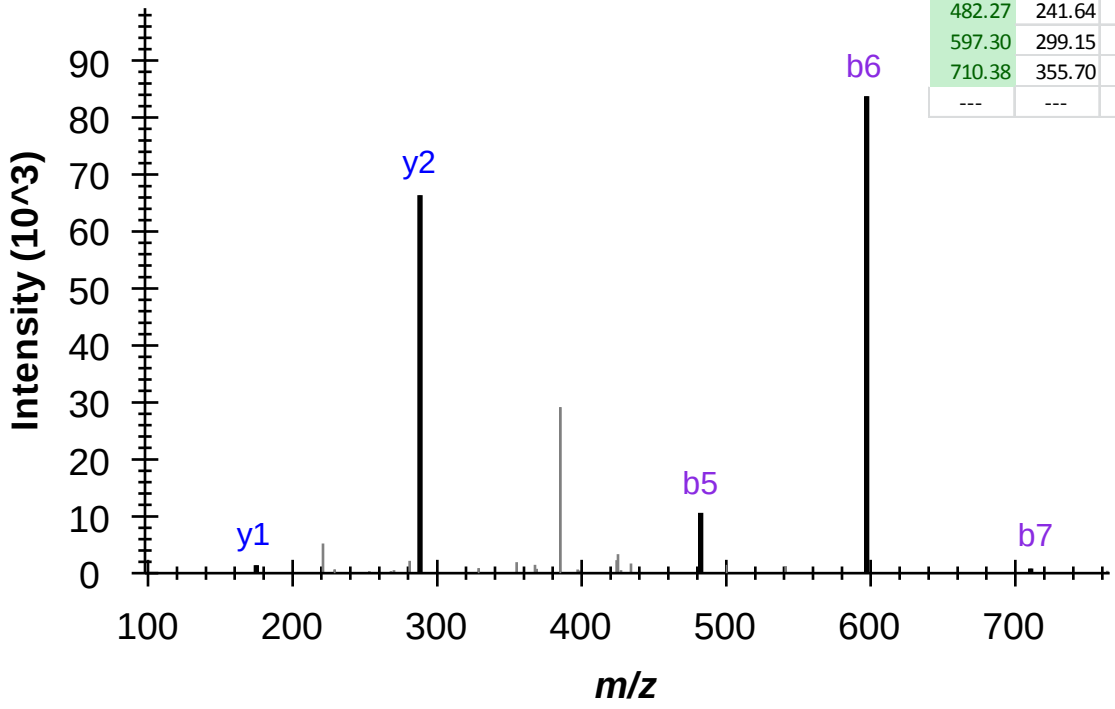


b	b^{+2}				y	y^{+2}
---	---	1	G	15	---	---
173.06	---	2	N->D	14	1602.65	801.83
320.09	---	3	m	13	1487.63	744.32
435.12	---	4	D	12	1340.59	670.80
536.17	---	5	T	11	1225.56	613.29
593.19	---	6	G	10	1124.52	562.76
650.21	---	7	G	9	1067.49	534.25
707.23	---	8	G	8	1010.47	505.74
836.27	418.64	9	Q->E	7	953.45	477.23
935.34	468.17	10	V	6	824.41	412.71
1063.44	532.22	11	K	5	725.34	363.17
1178.46	589.74	12	N->D	4	597.25	299.13
1338.49	669.75	13	C(Carbamidomethyl)	3	482.22	241.61
1485.56	743.28	14	F	2	322.19	161.60
---	---	15	R	1	175.12	88.06

DVU2510_KGAPQDIR

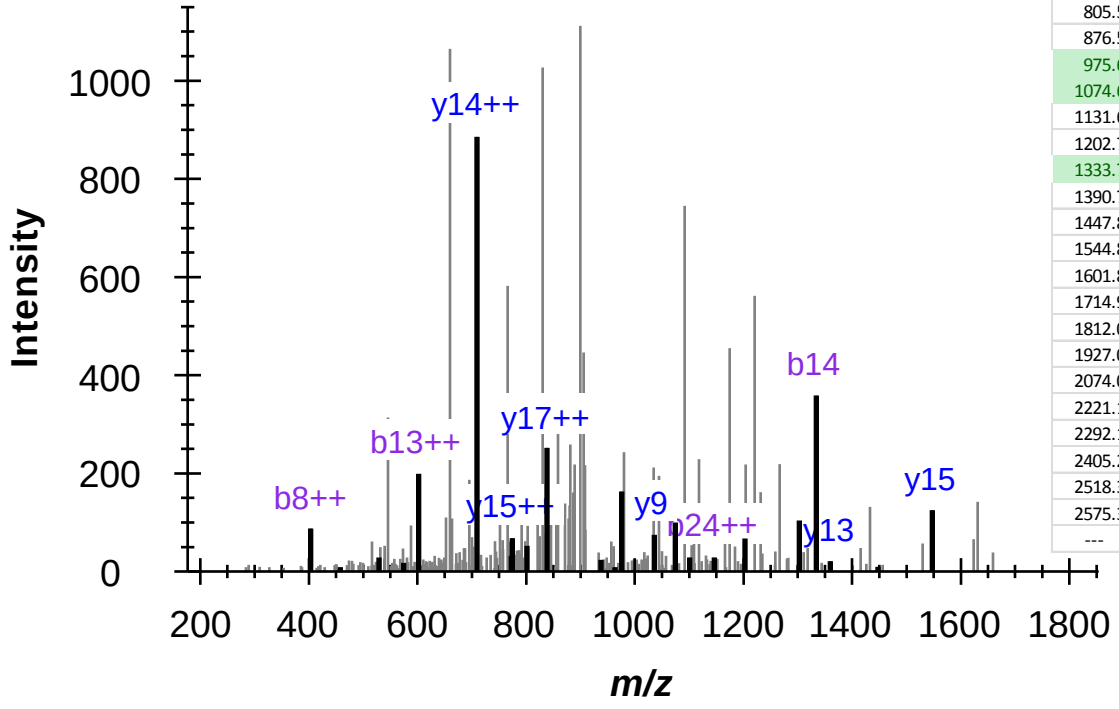
Experiment ID: L19564_60_1073 ; Experiment Type: INSOL; Mass spectrometer: Orbitrap
m/z: 442.751; TheorMW (Da): 883.4876; delta: -0.1 ppm; missed cleav: 1; mods: none;
IonScore: 20.41; expect value: 4.14E-02

b	b^{+2}				y	y^{+2}
---	---	1	K	8	---	---
186.12	93.57	2	G	7	756.40	378.70
257.16	129.08	3	A	6	699.38	350.19
354.21	177.61	4	P	5	628.34	314.67
482.27	241.64	5	Q	4	531.29	266.15
597.30	299.15	6	D	3	403.23	202.12
710.38	355.70	7	I	2	288.20	144.61
---	---	8	R	1	175.12	88.06



DVU2552_QVAPAVRVAVVGAMGGPGLPDMMALLGR

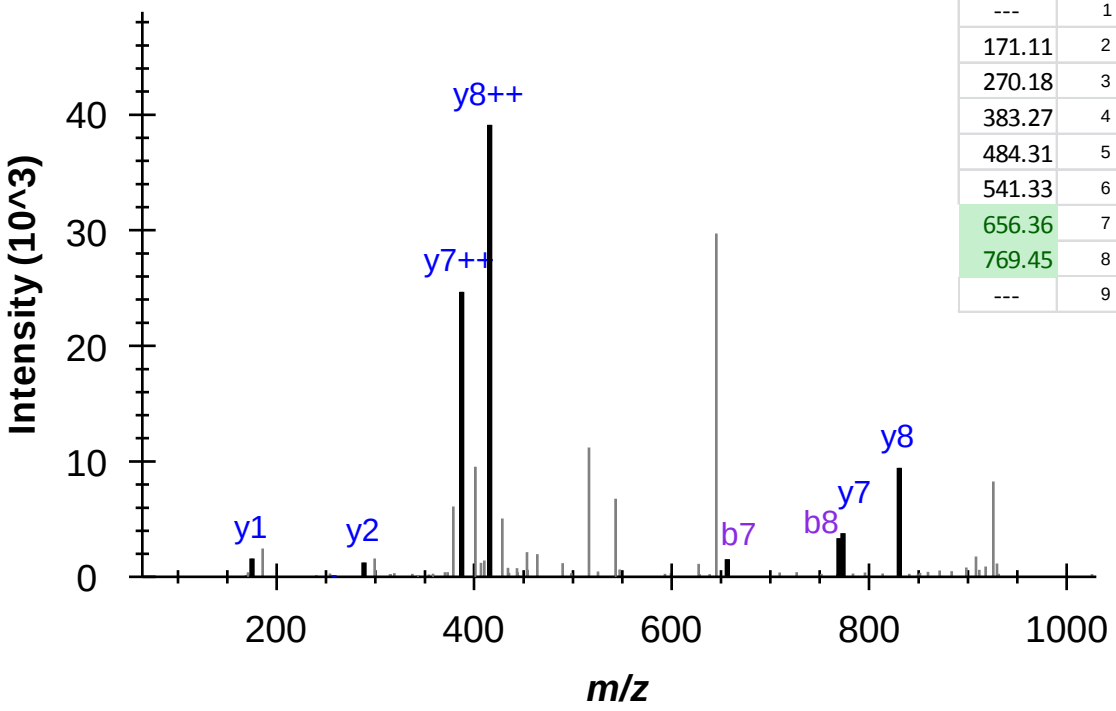
Experiment ID: L21587_69_1230 ; Experiment Type: INSOL; Mass spectrometer: Orbitrap
m/z: 917.147; TheorMW (Da): 2748.4126; delta: 2.4 ppm; missed cleav: 1; mods: [Q-16];
IonScore: 17.27; expect value:2.44E-02



b	b^{+2}				y	y^{+2}
---	---	1	Q(-16)	28	---	---
212.13	---	2	V	27	2637.40	1319.21
283.17	---	3	A	26	2538.34	1269.67
380.22	---	4	P	25	2467.30	1234.15
451.26	---	5	A	24	2370.25	1185.63
550.33	---	6	V	23	2299.21	1150.11
706.43	353.72	7	R	22	2200.14	1100.57
805.50	403.25	8	V	21	2044.04	1022.52
876.54	438.77	9	A	20	1944.97	972.99
975.60	488.31	10	V	19	1873.93	937.47
1074.67	537.84	11	V	18	1774.86	887.94
1131.69	566.35	12	G	17	1675.80	838.40
1202.73	601.87	13	A	16	1618.78	809.89
1333.77	667.39	14	M	15	1547.74	774.37
1390.79	695.90	15	G	14	1416.70	708.85
1447.82	724.41	16	G	13	1359.68	680.34
1544.87	772.94	17	P	12	1302.65	651.83
1601.89	801.45	18	G	11	1205.60	603.30
1714.97	857.99	19	L	10	1148.58	574.79
1812.03	906.52	20	P	9	1035.50	518.25
1927.05	964.03	21	D	8	938.44	469.73
2074.09	1037.55	22	m	7	823.42	412.21
2221.12	1111.07	23	m	6	676.38	338.69
2292.16	1146.58	24	A	5	529.35	265.18
2405.25	1203.13	25	L	4	458.31	229.66
2518.33	1259.67	26	L	3	345.22	173.12
2575.35	1288.18	27	G	2	232.14	116.57
---	---	28	R	1	175.12	88.06

DVU2580_LGVLTGDLR

Experiment ID: L23015_71_1270 ; Experiment Type: INSOL; Mass spectrometer: Orbitrap
m/z: 472.282; TheorMW (Da): 942.5499; delta: -0.4 ppm; missed cleav: 0; mods: none;
IonScore: 22.23; expect value: 2.42E-02



b				y	y^{+2}
---	1	L	9	---	---
171.11	2	G	8	830.47	415.74
270.18	3	V	7	773.45	387.23
383.27	4	L	6	674.38	337.70
484.31	5	T	5	561.30	281.15
541.33	6	G	4	460.25	230.63
656.36	7	D	3	403.23	202.12
769.45	8	L	2	288.20	144.61
---	9	R	1	175.12	88.06

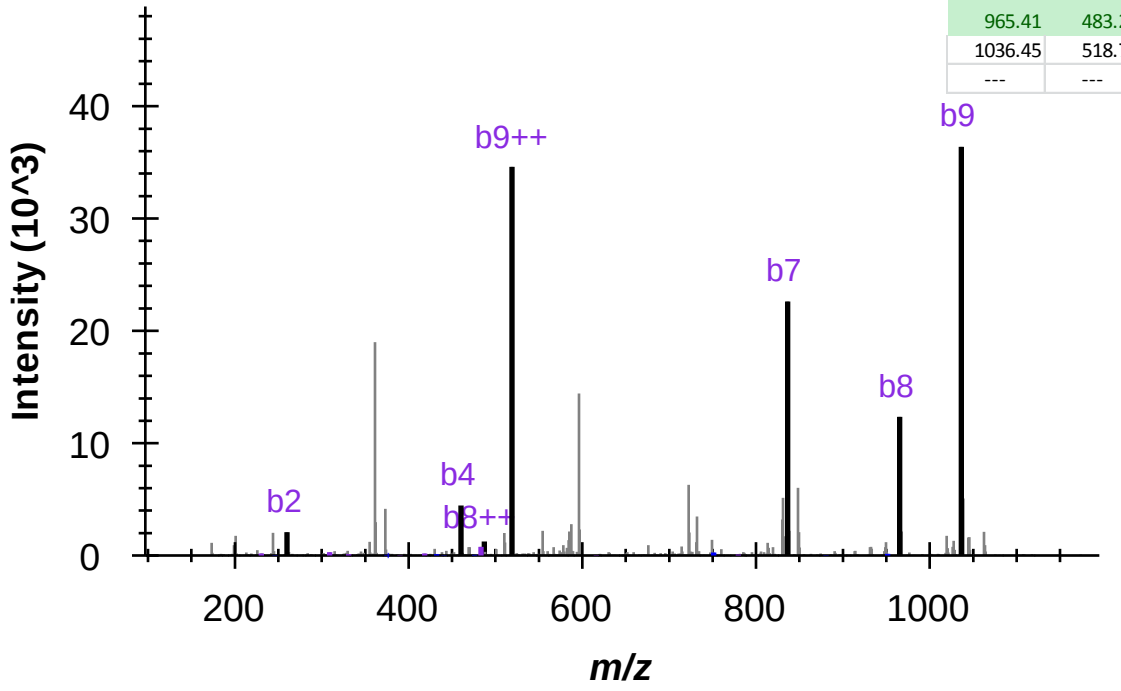
DVU2604_QMAQRYGEAR

Experiment ID: L3958_15_156 ; Experiment Type: INSOL; Mass spectrometer: LTQ

m/z: 605.53; TheorMW (Da): 1209.56; delta: -421.9 ppm; missed cleav: 1; mods: 1 Deamidated (NQ);

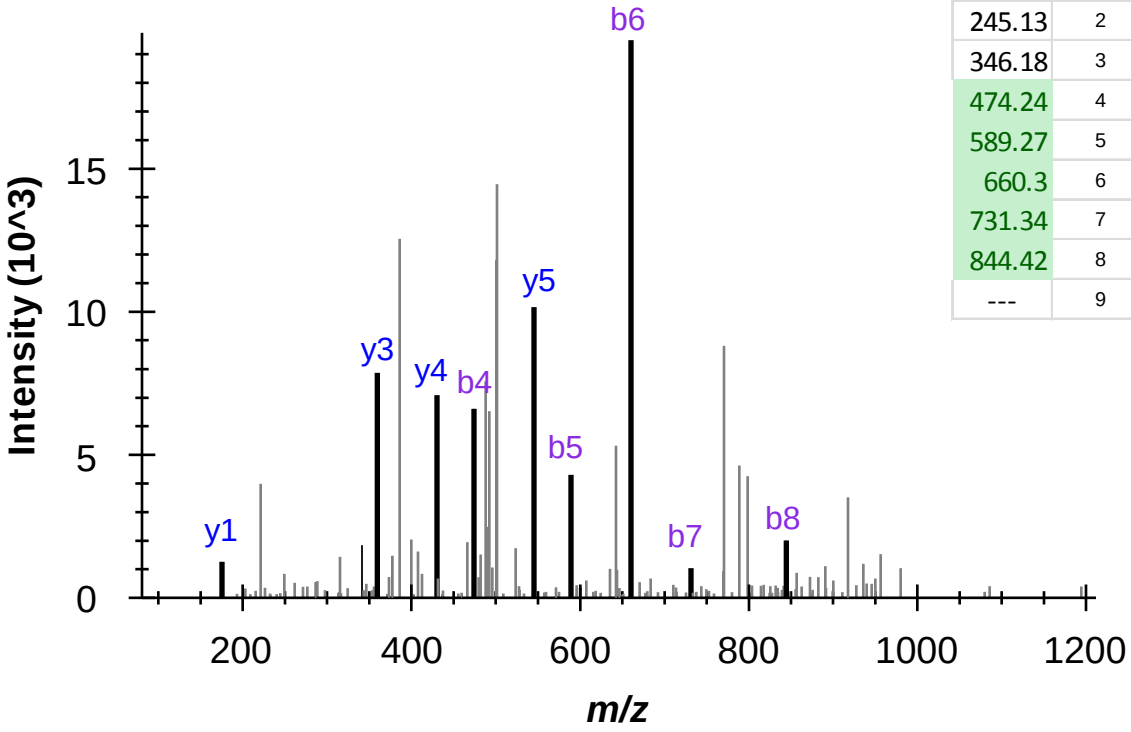
IonScore: 33.4; expect value: 2.5E-02

b	b^{+2}				y	y^{+2}
---	---	1	Q	10	---	---
260.11	---	2	M	9	1082.50	541.76
331.14	---	3	A	8	951.46	476.24
460.19	---	4	Q->E	7	880.43	440.72
616.29	308.65	5	R	6	751.38	376.20
779.35	390.18	6	Y	5	595.28	298.15
836.37	418.69	7	G	4	432.22	216.61
965.41	483.21	8	E	3	375.20	188.10
1036.45	518.73	9	A	2	246.16	123.58
---	---	10	R	1	175.12	88.06



DVU2667_IMTQNAAIR

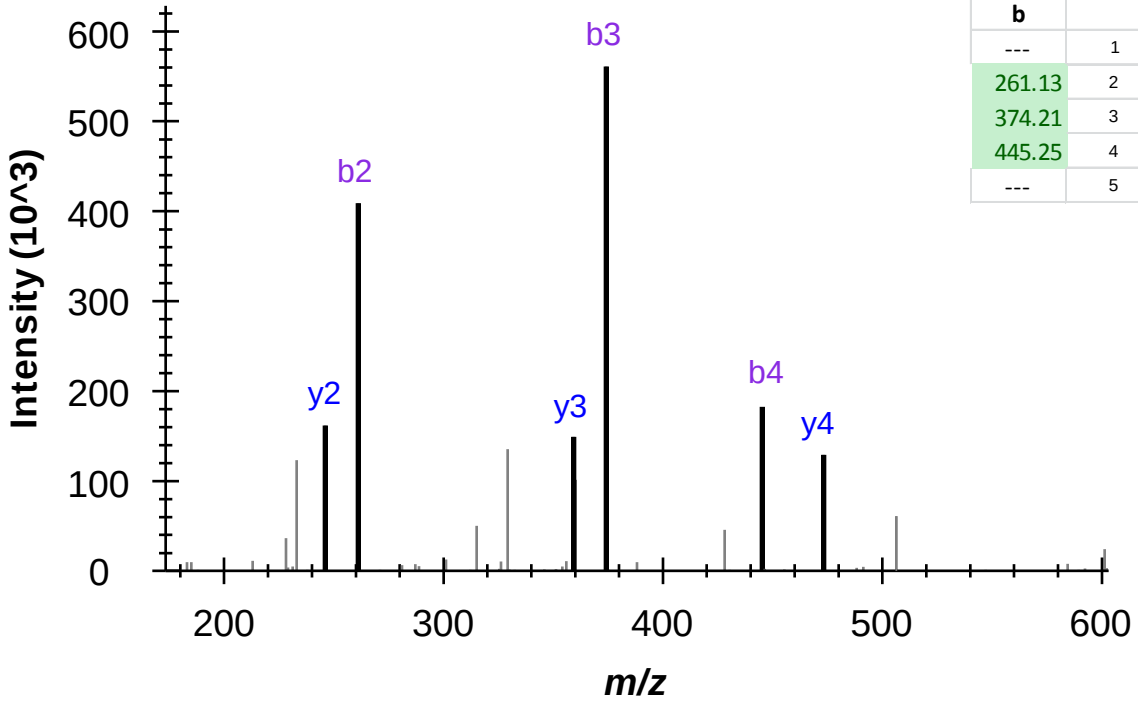
Experiment ID: L11183_39_735 ; Experiment Type: INSOL; Mass spectrometer: Orbitrap
m/z: 509.77; TheorMW (Da): 1017.5277; delta: -2.2 ppm; missed cleav: 0; mods: Deamidation (NQ);
IonScore: 24.07; expect value: 3.09E-02



b				y	y^{+2}
---	1	I	9	---	---
245.13	2	M	8	905.45	453.23
346.18	3	T	7	774.41	387.71
474.24	4	Q	6	673.36	337.19
589.27	5	N->D	5	545.3	273.16
660.3	6	A	4	430.28	215.64
731.34	7	A	3	359.24	180.12
844.42	8	I	2	288.2	144.61
---	9	R	1	175.12	88.06

DVU2685_MLLAR

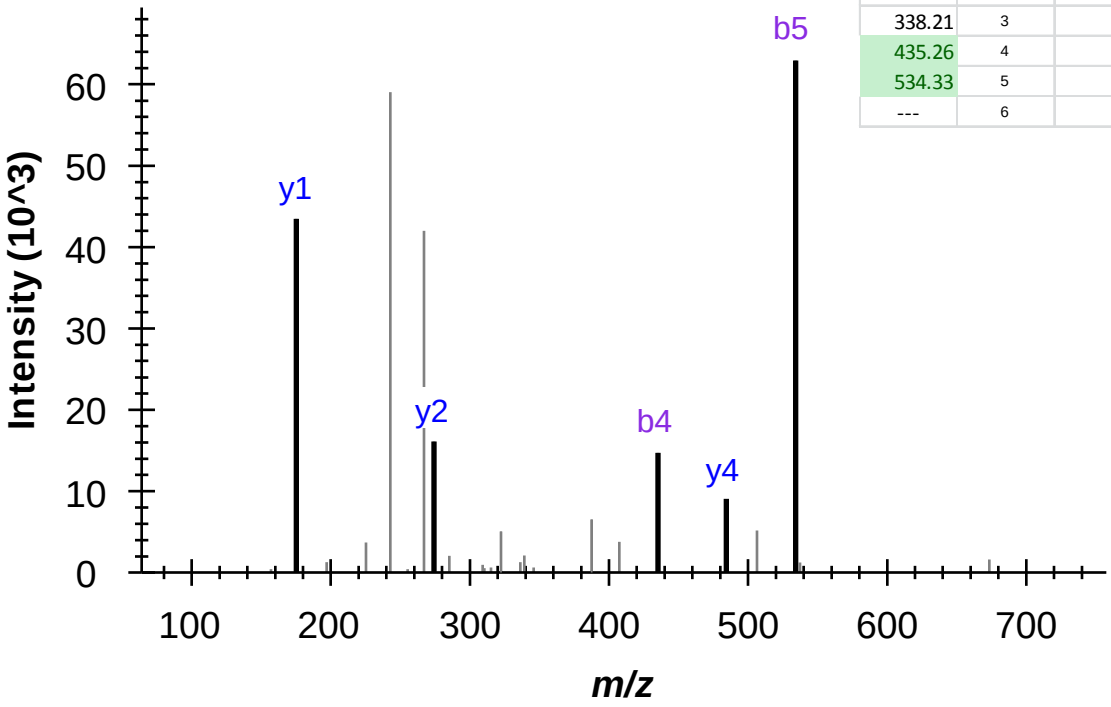
Experiment ID: L3975_15_157 ; Experiment Type: INSOL; Mass spectrometer: LTQ
m/z: 619.38; TheorMW (Da): 618.35; delta: 32.3 ppm; missed cleav: 0; mods: Oxidation (M);
IonScore: 29.78; expect value: 3.80E-02
Competitor IDs: DVU0847_IFIVK; DVU1705_IFLVK



b				y
---	1	**m**	5	---
261.13	2	**L**	4	472.32
374.21	3	**L**	3	359.24
445.25	4	**A**	2	246.16
---	5	**R**	1	175.12

DVU2747_QIIPVR

Experiment ID: L11982_41_782 ; Experiment Type: INSOL; Mass spectrometer: Orbitrap
m/z: 354.724; TheorMW (Da): 707.4331; delta: 0.6 ppm; missed cleav: 0; mods: Pyro-glu (N-term Q);
IonScore: 22.11; expect value: 6.15E-03

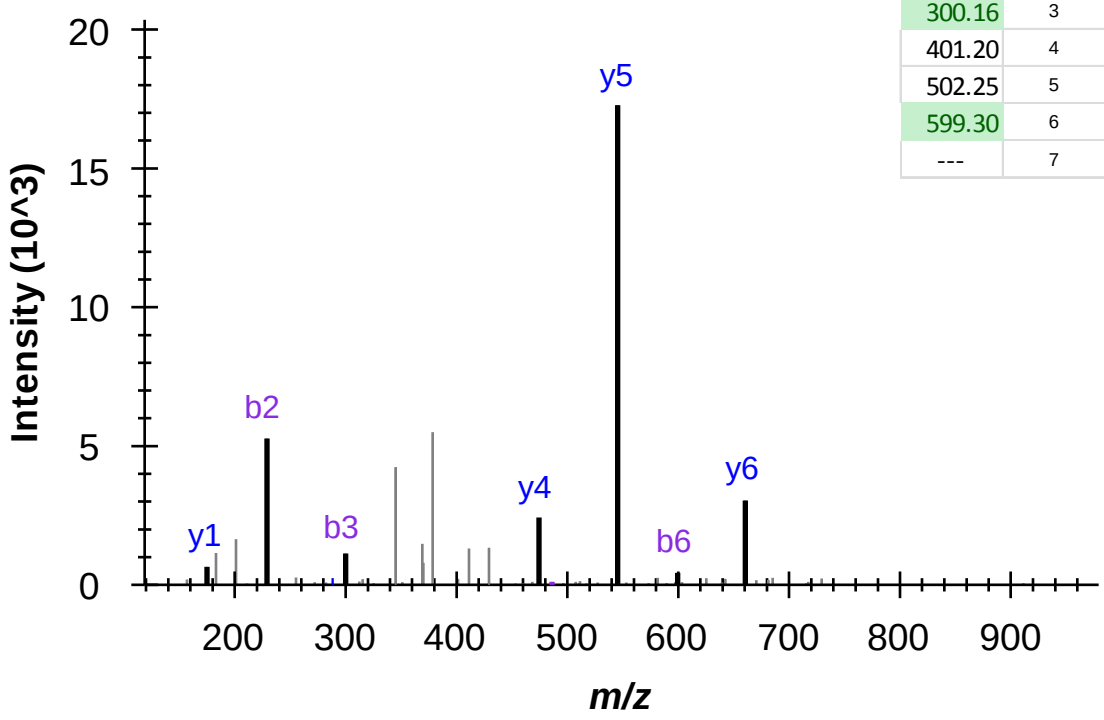


b				y	y^{+2}
---	1	Q(Gln->pyro-Glu)	6	---	---
225.12	2	I	5	597.41	299.21
338.21	3	I	4	484.32	242.67
435.26	4	P	3	371.24	186.12
534.33	5	V	2	274.19	137.60
---	6	R	1	175.12	88.06

DVU2951_LNATTPR

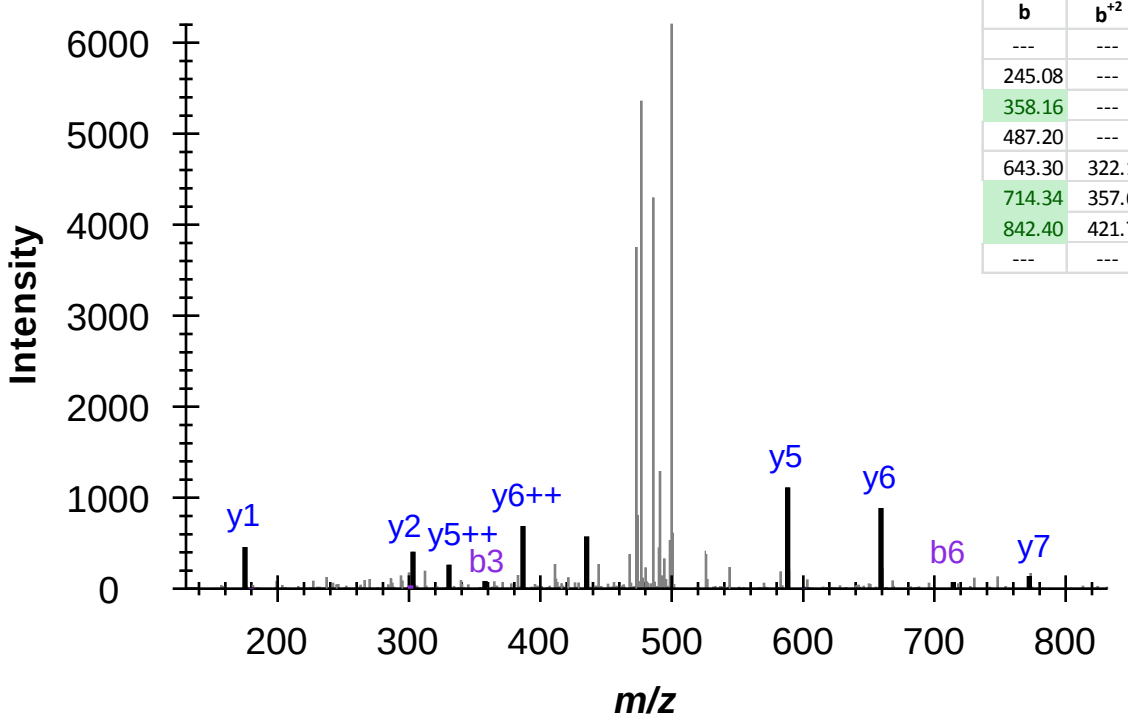
Experiment ID: L22250_72_1281 ; Experiment Type: INSOL; Mass spectrometer: Orbitrap
m/z: 387.211; TheorMW (Da): 772.4079; delta: -0.6 ppm; missed cleav: 0; mods: Deamidation (NQ);
IonScore: 29.62; expect value: 1.94E-02

b				y	y^{+2}
---	1	L	7	---	---
229.12	2	N->D	6	660.33	330.67
300.16	3	A	5	545.30	273.16
401.20	4	T	4	474.27	237.64
502.25	5	T	3	373.22	187.11
599.30	6	P	2	272.17	136.59
---	7	R	1	175.12	88.06



DVUA0021_EDLERAQR

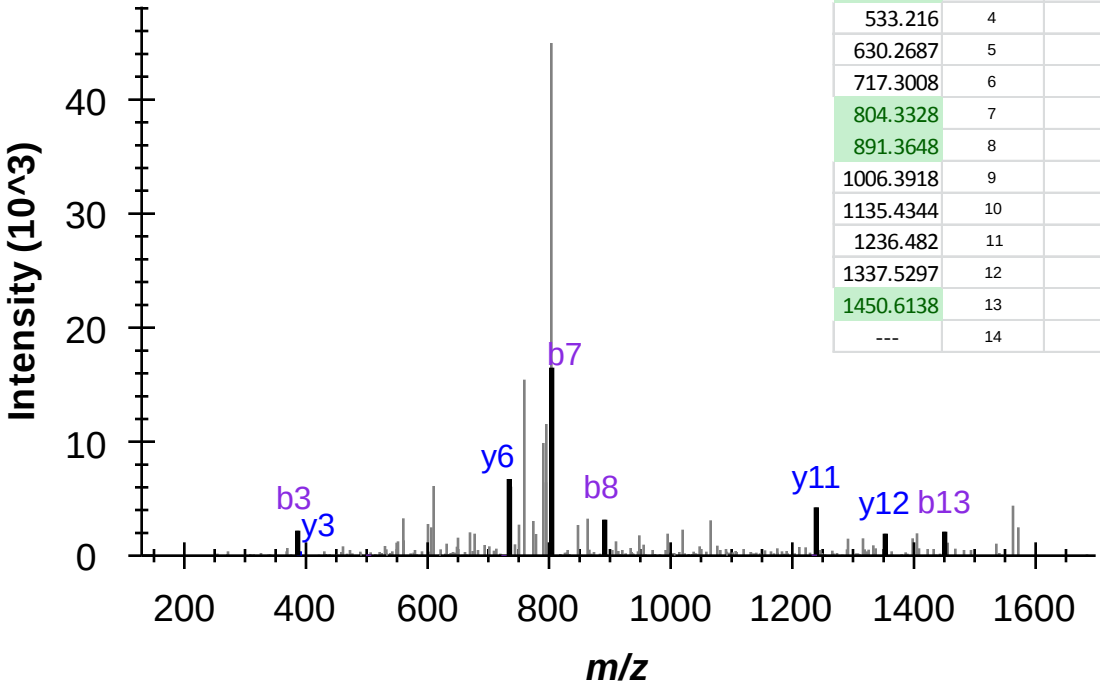
Experiment ID: L7732_28_420 ; Experiment Type: INGEL; Mass spectrometer: LTQ
m/z: 508.857; TheorMW (Da): 1015.5047; delta: 191.8 ppm; missed cleav: 1; mods: none;
IonScore: 41.12; expect value: 1.40E-02



b	b^{+2}				y	y^{+2}
---	---	1	**E**	8	---	---
245.08	---	2	**D**	7	887.47	444.24
358.16	---	3	**L**	6	772.44	386.72
487.20	---	4	**E**	5	659.36	330.18
643.30	322.16	5	**R**	4	530.32	265.66
714.34	357.67	6	**A**	3	374.21	187.61
842.40	421.70	7	**Q**	2	303.18	152.09
---	---	8	**R**	1	175.12	88.06

DVUA0026_QCLMPSSSDETTLR

Experiment ID: L8446_30_559 ; Experiment Type: INSOL; Mass spectrometer: Orbitrap
m/z: 812.844; TheorMW (Da): 1623.724; delta: 30.4ppm; missed cleav: 0; mods: [QC-16], Oxidation (M);
IonScore: 16.87; expect value: 2.8E-02



b				y	y^{+2}
---	1	Q(-16)	14	---	---
273.0965	2	C(Carbamidomethyl)	13	1512.6669	756.8371
386.1806	3	L	12	1352.6362	676.8217
533.216	4	m	11	1239.5522	620.2797
630.2687	5	P	10	1092.5168	546.762
717.3008	6	S	9	995.464	498.2356
804.3328	7	S	8	908.432	454.7196
891.3648	8	S	7	821.3999	411.2036
1006.3918	9	D	6	734.3679	367.6876
1135.4344	10	E	5	619.341	310.1741
1236.482	11	T	4	490.2984	245.6528
1337.5297	12	T	3	389.2507	195.129
1450.6138	13	L	2	288.203	144.6051
---	14	R	1	175.119	88.0631

DVUA0145_QFGDVLR

Experiment ID: L9789_35_655 ; Experiment Type: INSOL; Mass spectrometer: Orbitrap
m/z: 418.22; TheorMW (Da): 834.4236; delta: 2.3 ppm; missed cleav: 0; mods: Deamidation (NQ);
IonScore: 24.24; expect value: 3.20E-02

b				y	y^{+2}
---	1	Q->E	7	---	---
277.12	2	F	6	706.39	353.70
334.14	3	G	5	559.32	280.16
449.17	4	D	4	502.30	251.65
548.24	5	V	3	387.27	194.14
661.32	6	L	2	288.20	144.61
---	7	R	1	175.12	88.06