

m/z: 1590,7990 [MONO,perMe,Na,0,freeEnd]

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	В	211,0941	Na	0	188,1049
<u>→</u> <u></u>	С	229,1047	Na	0	206,1155
•	В	241,1047	Na	0	218,1155
	В	241,1047	Na	0	218,1155
	ZZ	250,1051	Na	0	227,1158
F———	BZ	250,1051	Na	0	227,1159
<b>●</b> •j	С	259,1153	Na	0	236,1260
<b>●</b> •	С	259,1153	Na	0	236,1260
F	<sup>3,5</sup> A <sub>GlcNAc</sub> Z	267,1203	Na	0	244,1311
<del></del>	ВҮ	268,1156	Na	0	245,1264
F <del></del>	CZ	268,1156	Na	0	245,1264

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	ZY	268,1156	Na	0	245,1264
F	YZ	268,1156	Na	0	245,1264
<u></u>	0,4 GlcNAc	271,1153	Na	0	248,1260
<b>-</b>	В	282,1313	Na	0	259,1421
, <del>v</del>	<sup>0,3</sup> A <sub>GIcNAc</sub> Z	283,1153	Na	0	260,1260
^	<sup>2,4</sup> A <sub>Man</sub> Z	283,1153	Na	0	260,1260
F <del></del>	<sup>3,5</sup> A <sub>GIcNAc</sub> Y	285,1309	Na	0	262,1417
<b>₽</b>	YY	286,1262	Na	0	263,1370
<del></del>	СҮ	286,1262	Na	0	263,1370
T	Z <sup>1,5</sup> X <sub>GlcNAc</sub>	296,1105	Na	0	273,1213
	<sup>1,5</sup> X <sub>Fuc</sub> Z	296,1105	Na	0	273,1213
	B <sup>1,5</sup> X <sub>Man</sub>	296,1105	Na	0	273,1213

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
<b>&gt;</b>	<sup>3,5</sup> A <sub>Man</sub> Z	297,1309	Na	0	274,1417
<mark>- •</mark>	С	300,1419	Na	0	277,1526
F	<sup>0,3</sup> A <sub>GlcNAc</sub> Y	301,1258	Na	0	278,1366
<b>●</b>	0,4 <sub>Man</sub>	301,1258	Na	0	278,1366
	<sup>2,4</sup> A <sub>Man</sub> Y	301,1258	Na	0	278,1366
	<sup>2,5</sup> A <sub>GlcNAc</sub> Z	311,1466	Na	0	288,1574
	<sup>0,3</sup> A <sub>Man</sub> Z	313,1258	Na	0	290,1366
<b>□</b>	Y <sup>1,5</sup> X <sub>GlcNAc</sub>	314,1211	Na	0	291,1319
F <del></del>	<sup>1,5</sup> X <sub>Fuc</sub> Y	314,1211	Na	0	291,1319
<b>©</b> — <mark>■</mark> •J	C <sup>1,5</sup> X <sub>Man</sub>	314,1211	Na	0	291,1319
	<sup>3,5</sup> A <sub>Man</sub> Y	315,1415	Na	0	292,1523
<b>▼</b>	1,4 <sub>X</sub> GlcNAc	315,1415	Na	0	292,1523
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Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
<b>●</b>	1,3 Man	315,1415	Na	0	292,1523
F—————————————————————————————————————	<sup>1,4</sup> X <sub>Fuc</sub> Z	324,1418	Na	0	301,1526
F—————————————————————————————————————	<sup>0,2</sup> X <sub>Fuc</sub> Z	324,1419	Na	0	301,1526
F	<sup>2,4</sup> A <sub>GIcNAc</sub> Z	324,1419	Na	0	301,1526
©———	B <sup>0,2</sup> X <sub>Man</sub>	324,1419	Na	0	301,1526
	<sup>2,4</sup> A <sub>Man</sub> Z	324,1419	Na	0	301,1526
F—Gr	<sup>0,2</sup> A <sub>GlcNAc</sub> Z	327,1415	Na	0	304,1523
, ,	<sup>1,3</sup> X <sub>GlcNAc</sub> Z	327,1415	Na	0	304,1523
	<sup>1,4</sup> A <sub>Man</sub> Z	327,1415	Na	0	304,1523
<del></del>	<sup>2,5</sup> A <sub>GlcNAc</sub> Y	329,1571	Na	0	306,1679
F	<sup>0,3</sup> A <sub>Man</sub> Y	331,1364	Na	0	308,1472
	<sup>3,5</sup> A <sub>Man</sub> Z	338,1575	Na	0	315,1683
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Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
<b>□</b>	B <sup>2,5</sup> X <sub>Man</sub>	340,1368	Na	0	317,1476
	<sup>2,5</sup> X <sub>Fuc</sub> Z	340,1368	Na	0	317,1476
F <del></del>	<sup>1,4</sup> X <sub>Fuc</sub> Y	342,1524	Na	0	319,1632
<b>₽</b>	<sup>0,2</sup> X <sub>Fuc</sub> Y	342,1524	Na	0	319,1632
F <del> </del>	<sup>2,4</sup> A <sub>GIcNAc</sub> Y	342,1524	Na	0	319,1632
<b>®</b> —■ •	C <sup>0,2</sup> X <sub>Man</sub>	342,1524	Na	0	319,1632
	<sup>2,4</sup> A <sub>Man</sub> Y	342,1524	Na	0	319,1632
F <del>o-</del> Cor	<sup>0,2</sup> A <sub>GlcNAc</sub> Y	345,1521	Na	0	322,1628
<del>-</del>	<sup>1,3</sup> X <sub>GlcNAc</sub> Y	345,1521	Na	0	322,1628
	<sup>1,4</sup> A <sub>Man</sub> Y	345,1521	Na	0	322,1628
	Z <sup>1,4</sup> X <sub>GlcNAc</sub>	354,1524	Na	0	331,1632
	<sup>0,3</sup> A <sub>Man</sub> Z	354,1524	Na	0	331,1632
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Fragment	Туре	m/z	Ions	Neutral Exchanges	Fragment Mass
	<sup>3,5</sup> A <sub>Man</sub> Y	356,1681	Na	0	333,1789
<b>(</b> D <mark>■-</mark> • <u>-</u> ]	C <sup>2,5</sup> X <sub>Man</sub>	358,1473	Na	0	335,1581
<b>₽</b>	<sup>2,5</sup> X <sub>Fuc</sub> Y	358,1473	Na	0	335,1581
T ••	Z <sup>0,2</sup> X <sub>GlcNAc</sub>	365,1684	Na	0	342,1792
	<sup>1,3</sup> X <sub>Fuc</sub> Z	368,1681	Na	0	345,1789
	<sup>2,4</sup> X <sub>Fuc</sub> Z	368,1681	Na	0	345,1789
	<sup>1,4</sup> A <sub>Man</sub> Z	368,1681	Na	0	345,1789
F—————————————————————————————————————	<sup>0,3</sup> X <sub>Fuc</sub> Z	368,1681	Na	0	345,1789
<b>□</b>	Y <sup>1,4</sup> X <sub>GlcNAc</sub>	372,1630	Na	0	349,1738
^	<sup>0,3</sup> A <sub>Man</sub> Y	372,1630	Na	0	349,1738
	Z <sup>2,5</sup> X <sub>GlcNAc</sub>	381,1633	Na	0	358,1741

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
<b>₽</b>	Y <sup>0,2</sup> X <sub>GlcNAc</sub>	383,1790	Na	0	360,1898
	<sup>3,5</sup> X <sub>Fuc</sub> Z	384,1630	Na	0	361,1738
<b>₽</b>	<sup>1,3</sup> X <sub>Fuc</sub> Y	386,1786	Na	0	363,1894
<b>₽</b>	<sup>2,4</sup> X <sub>Fuc</sub> Y	386,1786	Na	0	363,1894
<b>₽</b>	<sup>0,3</sup> X <sub>Fuc</sub> Y	386,1787	Na	0	363,1894
	<sup>1,4</sup> A <sub>Man</sub> Y	386,1787	Na	0	363,1894
F	<sup>1,5</sup> A <sub>GlcNAc</sub> Z	396,1994	Na	0	373,2101
	Y <sup>2,5</sup> X <sub>GlcNAc</sub>	399,1739	Na	0	376,1847
<b>V</b>	<sup>2,4</sup> X <sub>GlcNAc</sub>	400,1943	Na	0	377,2051
P	<sup>3,5</sup> X <sub>Fuc</sub> Y	402,1736	Na	0	379,1844
F— <b>—</b>	<sup>1,4</sup> A <sub>GIcNAc</sub> Z	409,1947	Na	0	386,2054

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass							
	Z <sup>0,3</sup> X <sub>GlcNAc</sub>	409,1947	Na	0	386,2054							
F———	<sup>0,4</sup> X <sub>Fuc</sub> Z	412,1943	Na	0	389,2051							
F <del>-</del>	<sup>1,5</sup> A <sub>GlcNAc</sub> Y	414,2099	Na	0	391,2207							
	Z <sup>3,5</sup> X <sub>GlcNAc</sub>	425,1896	Na	0	402,2003							
<b>₽</b>	Y <sup>0,3</sup> X <sub>GlcNAc</sub>	427,2052	Na	0	404,2160							
<del></del>	1,4 GlcNAc Y	427,2052	Na	0	404,2160							
F <del></del>	<sup>0,4</sup> X <sub>Fuc</sub> Y	430,2049	Na	0	407,2157							
<b>□</b>	Z <sup>2,4</sup> X <sub>GlcNAc</sub>	439,2052	Na	0	416,2160							
<b>₽</b>	Y <sup>3,5</sup> X <sub>GlcNAc</sub>	443,2001	Na	0	420,2109							
F- <b></b>	0,4 X <sub>GlcNAc</sub> Z	453,2209	Na	0	430,2317							
F	Z	456,2205	Na	0	433,2313							
	Y <sup>2,4</sup> X <sub>GlcNAc</sub>	457,2158	Na	0	434,2266							
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Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
<del> </del>	0,4X <sub>GIcNAc</sub> Y	471,2314	Na	0	448,2422
<b>▼</b> <del>□</del>	Υ	474,2311	Na	0	451,2419
Ţ <b>F———</b> —————————————————————————————————	ZZ	495,2315	Na	0	472,2423
	<sup>1,5</sup> X <sub>GlcNAc</sub>	502,2260	Na	0	479,2368
F—	<sup>3,5</sup> A <sub>GlcNAc</sub> Z	512,2468	Na	0	489,2575
T	ZY	513,2420	Na	0	490,2528
F- <b></b>	YZ	513,2420	Na	0	490,2528
F——	<sup>0,3</sup> A <sub>GlcNAc</sub> Z	528,2417	Na	0	505,2525
F <del></del>	<sup>3,5</sup> A <sub>GlcNAc</sub> Y	530,2573	Na	0	507,2681
<b>₽</b> - <b>□</b>	YY	531,2526	Na	0	508,2634
F- <b></b>	<sup>1,5</sup> X <sub>Fuc</sub> Z	541,2370	Na	0	518,2477

Fragment	Type	m/z	lons	Exchanges	Mass
T	Z <sup>1,5</sup> X <sub>Man</sub>	541,2370	Na	0	518,2477
	<sup>2,5</sup> A <sub>Man</sub> Z	545,2570	Na	0	522,2677
F <del> </del>	<sup>0,3</sup> A <sub>GlcNAc</sub> Y	546,2522	Na	0	523,2630
F———	<sup>2,5</sup> A <sub>GlcNAc</sub> Z	556,2730	Na	0	533,2838
<u> </u>	B <sup>1,4</sup> X <sub>Man</sub>	558,2522	Na	0	535,2630
	Y <sup>1,5</sup> X <sub>Man</sub>	559,2475	Na	0	536,2583
<b>₽</b>	<sup>1,5</sup> X <sub>Fuc</sub> Y	559,2475	Na	0	536,2583
<u> </u>	1,4 X <sub>GIcNAc</sub>	560,2679	Na	0	537,2787
	<sup>2,4</sup> A <sub>Man</sub>	560,2679	Na	0	537,2787
	<sup>0,2</sup> A <sub>Man</sub> Z	561,2519	Na	0	538,2627

m/z

Туре

Fragment

Neutral

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
F	<sup>2,5</sup> A <sub>Man</sub> Y	563,2675	Na	0	540,2783
F	<sup>1,4</sup> X <sub>Fuc</sub> Z	569,2683	Na	0	546,2790
T	Z <sup>0,2</sup> X <sub>Man</sub>	569,2683	Na	0	546,2791
F—————————————————————————————————————	<sup>0,2</sup> X <sub>Fuc</sub> Z	569,2683	Na	0	546,2791
	0,2 X <sub>GIcNAc</sub>	571,2839	Na	0	548,2947
F—G	<sup>0,2</sup> A <sub>GlcNAc</sub> Z	572,2679	Na	0	549,2787
<u> </u>	<sup>1,3</sup> X <sub>GlcNAc</sub> Z	572,2679	Na	0	549,2787
	<sup>1,3</sup> X <sub>GlcNAc</sub> Z	572,2679	Na	0	549,2787
<b>○</b>	B <sup>0,3</sup> X <sub>Man</sub>	572,2679	Na	0	549,2787
F <del></del>	<sup>2,5</sup> A <sub>GlcNAc</sub> Y	574,2836	Na	0	551,2943
	<sup>3,5</sup> A <sub>Man</sub>	574,2836	Na	0	551,2943

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
<u> </u>	C <sup>1,4</sup> X <sub>Man</sub>	576,2628	Na	0	553,2736
	<sup>0,2</sup> A <sub>Man</sub> Y	579,2624	Na	0	556,2732
	Z <sup>2,5</sup> X <sub>Man</sub>	585,2632	Na	0	562,2740
F	<sup>2,5</sup> X <sub>Fuc</sub> Z	585,2632	Na	0	562,2740
	<sup>2,5</sup> A <sub>Man</sub> Z	586,2836	Na	0	563,2943
	<sup>2,5</sup> A <sub>Man</sub> Z	586,2836	Na	0	563,2943
	<sup>2,5</sup> X <sub>GlcNAc</sub>	587,2788	Na	0	564,2896
F <del></del>	<sup>1,4</sup> X <sub>Fuc</sub> Y	587,2788	Na	0	564,2896
	Y <sup>0,2</sup> X <sub>Man</sub>	587,2788	Na	0	564,2896
1 ,	<sup>0,2</sup> X <sub>Fuc</sub> Y	587,2788	Na	0	564,2896
<b>⊕</b> —••	B <sup>3,5</sup> X <sub>Man</sub>	588,2628	Na	0	565,2736
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Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	<sup>1,5</sup> A <sub>Man</sub> Z	589,2832	Na	0	566,2940
<b>▼</b> F <del>-</del> <b>- - -</b>	<sup>0,2</sup> A <sub>GlcNAc</sub> Y	590,2785	Na	0	567,2892
<del></del>	<sup>1,3</sup> X <sub>GlcNAc</sub> Y	590,2785	Na	0	567,2892
<del> </del>	<sup>1,3</sup> X <sub>GlcNAc</sub> Y	590,2785	Na	0	567,2892
<del>●                                    </del>	C <sup>0,3</sup> X <sub>Man</sub>	590,2785	Na	0	567,2893
	<sup>0,3</sup> A <sub>Man</sub>	590,2785	Na	0	567,2893
<b>○</b>	B <sup>2,4</sup> X <sub>Man</sub>	602,2785	Na	0	579,2893
	<sup>0,2</sup> A <sub>Man</sub> Z	602,2785	Na	0	579,2893
	<sup>0,2</sup> A <sub>Man</sub> Z	602,2785	Na	0	579,2893
<b>□</b>	Y <sup>2,5</sup> X <sub>Man</sub>	603,2738	Na	0	580,2845
<b>₽</b>	<sup>2,5</sup> X <sub>Fuc</sub> Y	603,2738	Na	0	580,2845
		13			

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass								
	<sup>2,5</sup> A <sub>Man</sub> Y	604,2941	Na	0	581,3049								
	<sup>2,5</sup> A <sub>Man</sub> Y	604,2941	Na	0	581,3049								
	<sup>1,4</sup> A <sub>Man</sub>	604,2941	Na	0	581,3049								
<b>○</b> - <b>0</b> - <mark>■</mark> • d	C <sup>3,5</sup> X <sub>Man</sub>	606,2734	Na	0	583,2842								
F	<sup>1,5</sup> A <sub>Man</sub> Y	607,2938	Na	0	584,3045								
F	<sup>1,3</sup> X <sub>Fuc</sub> Z	613,2945	Na	0	590,3053								
F- <b></b>	<sup>2,4</sup> X <sub>Fuc</sub> Z	613,2945	Na	0	590,3053								
F- <b></b>	<sup>0,3</sup> X <sub>Fuc</sub> Z	613,2945	Na	0	590,3053								
<b>▼</b>	<sup>0,3</sup> X <sub>GlcNAc</sub>	615,3101	Na	0	592,3209								
	BZ	617,2781	Na	0	594,2889								
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Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass		
<u> </u>	C <sup>2,4</sup> X <sub>Man</sub>	620,2890	Na	0	597,2998		
	<sup>0,2</sup> A <sub>Man</sub> Y	620,2890	Na	0	597,2998		
	<sup>0,2</sup> A <sub>Man</sub> Y	620,2890	Na	0	597,2998		
<b>▼</b>	<sup>0,4</sup> X <sub>GlcNAc</sub> Z	627,3101	Na	0	604,3209		
<b>₽</b> } <b>F</b> — <b>■</b> —	<sup>3,5</sup> X <sub>Fuc</sub> Z	629,2894	Na	0	606,3002		
	<sup>1,5</sup> A <sub>Man</sub> Z	630,3098	Na	0	607,3206		
	<sup>1,5</sup> A <sub>Man</sub> Z	630,3098	Na	0	607,3206		
<b>▼</b>	3,5 X <sub>GIcNAc</sub>	631,3050	Na	0	608,3158		
<del>-</del>	<sup>1,3</sup> X <sub>Fuc</sub> Y	631,3051	Na	0	608,3158		
<b>₽</b>	<sup>2,4</sup> X <sub>Fuc</sub> Y	631,3051	Na	0	608,3158		
15							

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
<b>₽</b>	<sup>0,3</sup> X <sub>Fuc</sub> Y	631,3051	Na	0	608,3159
	ВҮ	635,2886	Na	0	612,2994
	CZ	635,2887	Na	0	612,2994
F—	<sup>1,5</sup> A <sub>GlcNAc</sub> Z	641,3258	Na	0	618,3366
<b>▼</b> <del>  </del>	<sup>0,4</sup> X <sub>GlcNAc</sub> Y	645,3207	Na	0	622,3315
<b>▼</b>	<sup>2,4</sup> X <sub>GlcNAc</sub>	645,3207	Na	0	622,3315
<b>₽</b> <del> </del>	<sup>3,5</sup> X <sub>Fuc</sub> Y	647,3000	Na	0	624,3108
	<sup>1,5</sup> A <sub>Man</sub> Y	648,3204	Na	0	625,3311
· ·	<sup>1,5</sup> A <sub>Man</sub> Y	648,3204	Na	0	625,3311

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass		
F	CY	653,2992	Na	0	630,3100		
F-B	<sup>0,4</sup> X <sub>Fuc</sub> Z	657,3207	Na	0	634,3315		
	BZ	658,3047	Na	0	635,3155		
	BZ	658,3047	Na	0	635,3155		
F <del></del>	<sup>1,5</sup> A <sub>GlcNAc</sub> Y	659,3363	Na	0	636,3471		
	B <sup>1,5</sup> X <sub>GlcNAc</sub>	663,2836	Na	0	640,2943		
F <del> </del>	<sup>0,4</sup> X <sub>Fuc</sub> Y	675,3313	Na	0	652,3421		
	ВҮ	676,3152	Na	0	653,3260		
	ВҮ	676,3152	Na	0	653,3260		
17							

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	CZ	676,3152	Na	0	653,3260
	CZ	676,3152	Na	0	653,3260
	C <sup>1,5</sup> X <sub>GlcNAc</sub>	681,2941	Na	0	658,3049
	<sup>2,4</sup> A <sub>GIcNAc</sub> Z	691,3149	Na	0	668,3257
	СҮ	694,3258	Na	0	671,3366
	СҮ	694,3258	Na	0	671,3366
F—————————————————————————————————————	Z	701,3469	Na	0	678,3577
	B <sup>1,5</sup> X <sub>Man</sub>	704,3102	Na	0	681,3209

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	B <sup>1,5</sup> X <sub>Man</sub>	704,3102	Na	0	681,3209
	<sup>3,5</sup> A <sub>GlcNAc</sub> Z	705,3305	Na	0	682,3413
	<sup>2,4</sup> A <sub>GlcNAc</sub> Y	709,3254	Na	0	686,3362
<del> </del>	Υ	719,3575	Na	0	696,3683
	B <sup>1,4</sup> X <sub>GlcNAc</sub>	721,3255	Na	0	698,3362
	<sup>0,3</sup> A <sub>GlcNAc</sub> Z	721,3255	Na	0	698,3362
	C <sup>1,5</sup> X <sub>Man</sub>	722,3207	Na	0	699,3315
	C <sup>1,5</sup> X <sub>Man</sub>	722,3207	Na	0	699,3315

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
F	<sup>3,5</sup> A <sub>GlcNAc</sub> Y	723,3411	Na	0	700,3519
	B <sup>0,2</sup> X <sub>GlcNAc</sub>	732,3414	Na	0	709,3522
	<sup>2,4</sup> A <sub>GIcNAc</sub> Z	732,3415	Na	0	709,3523
	<sup>2,4</sup> A <sub>GIcNAc</sub> Z	732,3415	Na	0	709,3523
	B <sup>0,2</sup> X <sub>Man</sub>	732,3415	Na	0	709,3523
	B <sup>0,2</sup> X <sub>Man</sub>	732,3415	Na	0	709,3523
	C <sup>1,4</sup> X <sub>GlcNAc</sub>	739,3360	Na	0	716,3468
F	<sup>0,3</sup> A <sub>GlcNAc</sub> Y	739,3360	Na	0	716,3468
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Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	<sup>3,5</sup> A <sub>GIcNAc</sub> Z	746,3571	Na	0	723,3679
	<sup>3,5</sup> A <sub>GICNAC</sub> Z	746,3571	Na	0	723,3679
<b>▼</b>	<sup>1,5</sup> X <sub>Man</sub>	747,3524	Na	0	724,3632
	B <sup>2,5</sup> X <sub>GlcNAc</sub>	748,3364	Na	0	725,3471
	B <sup>2,5</sup> X <sub>Man</sub>	748,3364	Na	0	725,3472
	B <sup>2,5</sup> X <sub>Man</sub>	748,3364	Na	0	725,3472
	<sup>2,5</sup> A <sub>GIcNAc</sub> Z	749,3568	Na	0	726,3676
	C <sup>0,2</sup> X <sub>GlcNAc</sub>	750,3520	Na	0	727,3628

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	<sup>2,4</sup> A <sub>GIcNAc</sub> Y	750,3520	Na	0	727,3628
	<sup>2,4</sup> A <sub>GIcNAc</sub> Y	750,3520	Na	0	727,3628
	C <sup>0,2</sup> X <sub>Man</sub>	750,3520	Na	0	727,3628
	C <sup>0,2</sup> X <sub>Man</sub>	750,3520	Na	0	727,3628
	B <sup>1,4</sup> X <sub>Man</sub>	762,3521	Na	0	739,3628
	<sup>0,3</sup> A <sub>GlcNAc</sub> Z	762,3521	Na	0	739,3628
	<sup>0,3</sup> A <sub>GIcNAc</sub> Z	762,3521	Na	0	739,3628
	B <sup>1,4</sup> X <sub>Man</sub>	762,3521	Na	0	739,3628

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	<sup>3,5</sup> A <sub>GIcNAc</sub> Y	764,3677	Na	0	741,3785
	<sup>3,5</sup> A <sub>GIcNAc</sub> Y	764,3677	Na	0	741,3785
	B <sup>1,3</sup> X <sub>GlcNAc</sub>	765,3517	Na	0	742,3625
	<sup>0,2</sup> A <sub>GIcNAc</sub> Z	765,3517	Na	0	742,3625
	C <sup>2,5</sup> X <sub>GlcNAc</sub>	766,3469	Na	0	743,3577
	C <sup>2,5</sup> X <sub>Man</sub>	766,3470	Na	0	743,3577
	C <sup>2,5</sup> X <sub>Man</sub>	766,3470	Na	0	743,3577
F	<sup>2,5</sup> A <sub>GlcNAc</sub> Y	767,3673	Na	0	744,3781

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
F-S	<sup>1,4</sup> X <sub>Man</sub> Z	773,3681	Na	0	750,3789
<b>▼</b>	<sup>0,2</sup> X <sub>Man</sub>	775,3837	Na	0	752,3945
	B <sup>0,3</sup> X <sub>GlcNAc</sub>	776,3677	Na	0	753,3785
	<sup>1,4</sup> A <sub>GIcNAc</sub> Z	776,3677	Na	0	753,3785
	B <sup>0,3</sup> X <sub>Man</sub>	776,3677	Na	0	753,3785
	B <sup>0,3</sup> X <sub>Man</sub>	776,3677	Na	0	753,3785
	C <sup>1,4</sup> X <sub>Man</sub>	780,3626	Na	0	757,3734
	<sup>0,3</sup> A <sub>GIcNAc</sub> Y	780,3626	Na	0	757,3734

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass				
	<sup>0,3</sup> A <sub>GIcNAc</sub> Y	780,3626	Na	0	757,3734				
	C <sup>1,4</sup> X <sub>Man</sub>	780,3626	Na	0	757,3734				
	C <sup>1,3</sup> X <sub>GlcNAc</sub>	783,3622	Na	0	760,3730				
F	<sup>0,2</sup> A <sub>GIcNAc</sub> Y	783,3622	Na	0	760,3730				
F 💇 📑	<sup>0,3</sup> X <sub>Man</sub> Z	787,3838	Na	0	764,3945				
	<sup>2,5</sup> A <sub>GIcNAc</sub> Z	790,3834	Na	0	767,3942				
	<sup>2,5</sup> A <sub>GlcNAc</sub> Z	790,3834	Na	0	767,3942				
F- S	<sup>1,4</sup> X <sub>Man</sub> Y	791,3786	Na	0	768,3894				
<b>©</b> ————————————————————————————————————	<sup>2,5</sup> X <sub>Man</sub>	791,3787	Na	0	768,3894				
	25								

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	B <sup>3,5</sup> X <sub>GlcNAc</sub>	792,3626	Na	0	769,3734
	B <sup>3,5</sup> X <sub>Man</sub>	792,3626	Na	0	769,3734
	B <sup>3,5</sup> X <sub>Man</sub>	792,3626	Na	0	769,3734
	C <sup>0,3</sup> X <sub>GlcNAc</sub>	794,3782	Na	0	771,3890
F	<sup>1,4</sup> A <sub>GIcNAc</sub> Y	794,3782	Na	0	771,3890
	C <sup>0,3</sup> X <sub>Man</sub>	794,3783	Na	0	771,3891
	C <sup>0,3</sup> X <sub>Man</sub>	794,3783	Na	0	771,3891
T	Z <sup>1,4</sup> X <sub>Man</sub>	803,3787	Na	0	780,3894

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
F-®-	<sup>3,5</sup> X <sub>Man</sub> Z	803,3787	Na	0	780,3894
F	<sup>0,3</sup> X <sub>Man</sub> Y	805,3943	Na	0	782,4051
	B <sup>2,4</sup> X <sub>GlcNAc</sub>	806,3782	Na	0	783,3890
	<sup>0,2</sup> A <sub>GIcNAc</sub> Z	806,3783	Na	0	783,3891
	<sup>0,2</sup> A <sub>GlcNAc</sub> Z	806,3783	Na	0	783,3891
	B <sup>1,3</sup> X <sub>Man</sub>	806,3783	Na	0	783,3891
	B <sup>2,4</sup> X <sub>Man</sub>	806,3783	Na	0	783,3891
	B <sup>1,3</sup> X <sub>Man</sub>	806,3783	Na	0	783,3891

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	B <sup>2,4</sup> X <sub>Man</sub>	806,3783	Na	0	783,3891
	<sup>2,5</sup> A <sub>GIcNAc</sub> Y	808,3939	Na	0	785,4047
	<sup>2,5</sup> A <sub>GIcNAc</sub> Y	808,3939	Na	0	785,4047
	C <sup>3,5</sup> X <sub>GlcNAc</sub>	810,3731	Na	0	787,3839
	C <sup>3,5</sup> X <sub>Man</sub>	810,3732	Na	0	787,3840
	C <sup>3,5</sup> X <sub>Man</sub>	810,3732	Na	0	787,3840
	<sup>1,4</sup> A <sub>GlcNAc</sub> Z	817,3943	Na	0	794,4051
	<sup>1,4</sup> A <sub>GlcNAc</sub> Z	817,3943	Na	0	794,4051

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
F	<sup>2,4</sup> X <sub>Man</sub> Z	817,3943	Na	0	794,4051
	Z <sup>0,3</sup> X <sub>Man</sub>	817,3943	Na	0	794,4051
	B <sup>0,4</sup> X <sub>GlcNAc</sub>	820,3939	Na	0	797,4047
	B <sup>0,4</sup> X <sub>Man</sub>	820,3940	Na	0	797,4047
	B <sup>0,4</sup> X <sub>Man</sub>	820,3940	Na	0	797,4047
<b>○ ○ □ ·</b>	Y <sup>1,4</sup> X <sub>Man</sub>	821,3892	Na	0	798,4000
<del> </del>	<sup>3,5</sup> X <sub>Man</sub> Y	821,3892	Na	0	798,4000
	<sup>2,5</sup> A <sub>Man</sub>	822,4096	Na	0	799,4204
	C <sup>2,4</sup> X <sub>GlcNAc</sub>	824,3888	Na	0	801,3996

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	<sup>0,2</sup> A <sub>GlcNAc</sub> Y	824,3888	Na	0	801,3996
	<sup>0,2</sup> A <sub>GIcNAc</sub> Y	824,3888	Na	0	801,3996
	C <sup>1,3</sup> X <sub>Man</sub>	824,3888	Na	0	801,3996
	C <sup>2,4</sup> X <sub>Man</sub>	824,3888	Na	0	801,3996
	C <sup>1,3</sup> X <sub>Man</sub>	824,3888	Na	0	801,3996
<b>■</b>	C <sup>2,4</sup> X <sub>Man</sub>	824,3888	Na	0	801,3996
T	Z <sup>3,5</sup> X <sub>Man</sub>	833,3892	Na	0	810,4000
	<sup>1,5</sup> A <sub>GIcNAc</sub> Z	834,4096	Na	0	811,4203

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass			
	<sup>1,4</sup> A <sub>GIcNAc</sub> Y	835,4048	Na	0	812,4156			
	<sup>1,4</sup> A <sub>GIcNAc</sub> Y	835,4048	Na	0	812,4156			
F	<sup>2,4</sup> X <sub>Man</sub> Y	835,4049	Na	0	812,4157			
<b>● ● ■</b> ·	Y <sup>0,3</sup> X <sub>Man</sub>	835,4049	Na	0	812,4157			
	C <sup>0,4</sup> X <sub>GlcNAc</sub>	838,4045	Na	0	815,4152			
	C <sup>0,4</sup> X <sub>Man</sub>	838,4045	Na	0	815,4153			
•	C <sup>0,4</sup> X <sub>Man</sub>	838,4045	Na	0	815,4153			
	<sup>0,2</sup> A <sub>Man</sub>	838,4045	Na	0	815,4153			
	B <sup>1,3</sup> X <sub>Man</sub>	847,4049	Na	0	824,4157			
31								

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
<del></del>	Z <sup>2,4</sup> X <sub>Man</sub>	847,4049	Na	0	824,4157
<b>● ● ●</b>	Y <sup>3,5</sup> X <sub>Man</sub>	851,3998	Na	0	828,4106
F	<sup>1,5</sup> A <sub>GIcNAc</sub> Y	852,4201	Na	0	829,4309
	B <sup>0,4</sup> X <sub>Man</sub>	861,4206	Na	0	838,4313
	BZ	862,4045	Na	0	839,4153
<b>₽</b>	Y <sup>2,4</sup> X <sub>Man</sub>	865,4154	Na	0	842,4262
	C <sup>1,3</sup> X <sub>Man</sub>	865,4154	Na	0	842,4262
	<sup>1,5</sup> A <sub>Man</sub>	866,4358	Na	0	843,4466
	<sup>1,5</sup> A <sub>GIcNAc</sub> Z	875,4362	Na	0	852,4469
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Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	<sup>1,5</sup> A <sub>GlcNAc</sub> Z	875,4362	Na		852,4469
<b></b>	C <sup>0,4</sup> X <sub>Man</sub>	879,4311	Na	0	856,4419
	ВҮ	880,4151	Na	0	857,4258
	CZ	880,4151	Na	0	857,4258
	<sup>1,5</sup> A <sub>GlcNAc</sub> Y	893,4467	Na	0	870,4575
	<sup>1,5</sup> A <sub>GlcNAc</sub> Y	893,4467	Na	0	870,4575
	В	894,4307	Na	0	871,4415
	СҮ	898,4256	Na	0	875,4364

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	BZ	903,4311	Na	0	880,4419
	BZ	903,4311	Na	0	880,4419
	B <sup>1,5</sup> X <sub>GlcNAc</sub>	908,4100	Na	0	885,4208
	С	912,4413	Na	0	889,4521
	ВҮ	921,4417	Na	0	898,4524
	ВҮ	921,4417	Na	0	898,4524
	CZ	921,4417	Na	0	898,4524
	CZ	921,4417	Na	0	898,4524

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	C <sup>1,5</sup> X <sub>GIcNAc</sub>	926,4205	Na	0	903,4313
	<sup>2,4</sup> A <sub>GlcNAc</sub> Z	936,4413	Na	0	913,4521
	СҮ	939,4522	Na	0	916,4630
	СҮ	939,4522	Na	0	916,4630
	B <sup>1,5</sup> X <sub>Man</sub>	949,4366	Na	0	926,4474
	B <sup>1,5</sup> X <sub>Man</sub>	949,4366	Na	0	926,4474
	<sup>2,4</sup> A <sub>GlcNAc</sub> Y	954,4519	Na	0	931,4626
	B <sup>1,4</sup> X <sub>GlcNAc</sub>	966,4519	Na	0	943,4626

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	C <sup>1,5</sup> X <sub>Man</sub>	967,4471	Na	0	944,4579
	C <sup>1,5</sup> X <sub>Man</sub>	967,4471	Na	0	944,4579
	<sup>2,4</sup> A <sub>GlcNAc</sub>	968,4675	Na	0	945,4783
	B <sup>0,2</sup> X <sub>GlcNAc</sub>	977,4678	Na	0	954,4786
	B <sup>0,2</sup> X <sub>Man</sub>	977,4679	Na	0	954,4787
	<sup>2,4</sup> A <sub>GlcNAc</sub> Z	977,4679	Na	0	954,4787
	<sup>2,4</sup> A <sub>GlcNAc</sub> Z	977,4679	Na	0	954,4787
	B <sup>0,2</sup> X <sub>Man</sub>	977,4679	Na	0	954,4787

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	3,5 <sub>A</sub> <sub>GIcNAc</sub>	982,4832	Na	0	959,4940
	C <sup>1,4</sup> X <sub>GlcNAc</sub>	984,4624	Na	0	961,4732
	B <sup>2,5</sup> X <sub>GlcNAc</sub>	993,4628	Na	0	970,4735
	B <sup>2,5</sup> X <sub>Man</sub>	993,4628	Na	0	970,4736
	B <sup>2,5</sup> X <sub>Man</sub>	993,4628	Na	0	970,4736
	C <sup>0,2</sup> X <sub>GlcNAc</sub>	995,4784	Na	0	972,4892
	<sup>2,4</sup> A <sub>GlcNAc</sub> Y	995,4785	Na	0	972,4892
	<sup>2,4</sup> A <sub>GlcNAc</sub> Y	995,4785	Na	0	972,4892
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Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	C <sup>0,2</sup> X <sub>Man</sub>	995,4785	Na	0	972,4892
	C <sup>0,2</sup> X <sub>Man</sub>	995,4785	Na	0	972,4892
	<sup>0,3</sup> A <sub>GIcNAc</sub>	998,4781	Na	0	975,4889
	B <sup>1,4</sup> X <sub>Man</sub>	1007,4785	Na	0	984,4892
	B <sup>1,4</sup> X <sub>Man</sub>	1007,4785	Na	0	984,4892
<b>→ →</b> ·	<sup>1,4</sup> X <sub>Man</sub>	1009,4941	Na	0	986,5049
	B <sup>1,3</sup> X <sub>GlcNAc</sub>	1010,4781	Na	0	987,4889
	C <sup>2,5</sup> X <sub>GlcNAc</sub>	1011,4733	Na	0	988,4841

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	C <sup>2,5</sup> X <sub>Man</sub>	1011,4734	Na	0	988,4842
	C <sup>2,5</sup> X <sub>Man</sub>	1011,4734	Na	0	988,4842
	B <sup>0,3</sup> X <sub>GlcNAc</sub>	1021,4941	Na	0	998,5049
	<sup>1,4</sup> A <sub>GIcNAc</sub> Z	1021,4941	Na	0	998,5049
	<sup>1,3</sup> X <sub>Man</sub> Z	1021,4941	Na	0	998,5049
	B <sup>0,3</sup> X <sub>Man</sub>	1021,4941	Na	0	998,5049
	B <sup>0,3</sup> X <sub>Man</sub>	1021,4941	Na	0	998,5049
<b>▼</b>	<sup>0,3</sup> X <sub>Man</sub>	1023,5098	Na	0	1000,5206
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Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	C <sup>1,4</sup> X <sub>Man</sub>	1025,4890	Na	0	1002,4998
	C <sup>1,4</sup> X <sub>Man</sub>	1025,4890	Na	0	1002,4998
	<sup>2,5</sup> A <sub>GlcNAc</sub>	1026,5094	Na	0	1003,5202
	C <sup>1,3</sup> X <sub>GlcNAc</sub>	1028,4887	Na	0	1005,4994
\$	<sup>0,4</sup> X <sub>Man</sub> Z	1035,5098	Na	0	1012,5206
	B <sup>3,5</sup> X <sub>GlcNAc</sub>	1037,4890	Na	0	1014,4998
	B <sup>3,5</sup> X <sub>Man</sub>	1037,4890	Na	0	1014,4998
	B <sup>3,5</sup> X <sub>Man</sub>	1037,4890	Na	0	1014,4998

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	C <sup>0,3</sup> X <sub>GlcNAc</sub>	1039,5046	Na	0	1016,5154
F	<sup>1,4</sup> A <sub>GIcNAc</sub> Y	1039,5046	Na	0	1016,5154
<b>Y</b>	<sup>1,3</sup> X <sub>Man</sub> Y	1039,5047	Na	0	1016,5155
	C <sup>0,3</sup> X <sub>Man</sub>	1039,5047	Na	0	1016,5155
	C <sup>0,3</sup> X <sub>Man</sub>	1039,5047	Na	0	1016,5155
<b>▼</b>	<sup>3,5</sup> X <sub>Man</sub>	1039,5047	Na	0	1016,5155
	<sup>0,2</sup> A <sub>GIcNAc</sub>	1042,5043	Na	0	1019,5151
	B <sup>2,4</sup> X <sub>GlcNAc</sub>	1051,5046	Na	0	1028,5154

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	B <sup>1,3</sup> X <sub>Man</sub>	1051,5047	Na	0	1028,5155
	B <sup>2,4</sup> X <sub>Man</sub>	1051,5047	Na	0	1028,5155
	B <sup>1,3</sup> X <sub>Man</sub>	1051,5047	Na	0	1028,5155
	B <sup>2,4</sup> X <sub>Man</sub>	1051,5047	Na	0	1028,5155
	<sup>1,4</sup> A <sub>GIcNAc</sub>	1053,5203	Na	0	1030,5311
	<sup>0,4</sup> X <sub>Man</sub> Y	1053,5204	Na	0	1030,5311
<b>▼</b>	<sup>2,4</sup> X <sub>Man</sub>	1053,5204	Na	0	1030,5311
	C <sup>3,5</sup> X <sub>GlcNAc</sub>	1055,4996	Na	0	1032,5103

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	C <sup>3,5</sup> X <sub>Man</sub>	1055,4996	Na	0	1032,5104
	C <sup>3,5</sup> X <sub>Man</sub>	1055,4996	Na	0	1032,5104
	<sup>1,4</sup> A <sub>GIcNAc</sub> Z	1062,5207	Na	0	1039,5315
	<sup>1,4</sup> A <sub>GIcNAc</sub> Z	1062,5207	Na	0	1039,5315
	<sup>1,3</sup> X <sub>Man</sub> Z	1062,5207	Na	0	1039,5315
	B <sup>0,4</sup> X <sub>GlcNAc</sub>	1065,5203	Na	0	1042,5311
	<sup>0,4</sup> X <sub>GIcNAc</sub> Z	1065,5203	Na	0	1042,5311
	B <sup>0,4</sup> X <sub>Man</sub>	1065,5204	Na	0	1042,5311

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	B <sup>0,4</sup> X <sub>Man</sub>	1065,5204	Na	0	1042,5311
	C <sup>2,4</sup> X <sub>GlcNAc</sub>	1069,5152	Na	0	1046,5260
	C <sup>1,3</sup> X <sub>Man</sub>	1069,5153	Na	0	1046,5260
	C <sup>2,4</sup> X <sub>Man</sub>	1069,5153	Na	0	1046,5260
	C <sup>1,3</sup> X <sub>Man</sub>	1069,5153	Na	0	1046,5260
	C <sup>2,4</sup> X <sub>Man</sub>	1069,5153	Na	0	1046,5260
	<sup>0,4</sup> X <sub>Man</sub> Z	1076,5364	Na	0	1053,5472
	ZZ	1077,5203	Na	0	1054,5311

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	ZZ	1077,5203	Na	0	1054,5311
	<sup>1,4</sup> A <sub>GlcNAc</sub> Y	1080,5312	Na	0	1057,5420
	<sup>1,4</sup> A <sub>GlcNAc</sub> Y	1080,5312	Na	0	1057,5420
	<sup>1,3</sup> X <sub>Man</sub> Y	1080,5313	Na	0	1057,5421
	C <sup>0,4</sup> X <sub>GlcNAc</sub>	1083,5309	Na	0	1060,5417
	0,4 X <sub>GlcNAc</sub> Y	1083,5309	Na	0	1060,5417
	C <sup>0,4</sup> X <sub>Man</sub>	1083,5309	Na	0	1060,5417
<b>■</b> •	C <sup>0,4</sup> X <sub>Man</sub>	1083,5309	Na	0	1060,5417

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	Z <sup>1,3</sup> X <sub>Man</sub>	1092,5313	Na	0	1069,5421
<del>V</del>	<sup>0,4</sup> X <sub>Man</sub> Y	1094,5470	Na	0	1071,5577
	YZ	1095,5309	Na	0	1072,5417
	ZY	1095,5309	Na	0	1072,5417
	YZ	1095,5309	Na	0	1072,5417
F	ZY	1095,5309	Na	0	1072,5417
	<sup>0,4</sup> X <sub>GlcNAc</sub> Z	1106,5469	Na	0	1083,5577
	<sup>0,4</sup> X <sub>GlcNAc</sub> Z	1106,5469	Na	0	1083,5577

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	Z <sup>0,4</sup> X <sub>Man</sub>	1106,5470	Na	0	1083,5577
	ZZ	1107,5309	Na	0	1084,5417
	Y <sup>1,3</sup> X <sub>Man</sub>	1110,5419	Na	0	1087,5526
	<sup>1,5</sup> A <sub>GIcNAc</sub>	1111,5622	Na	0	1088,5730
	YY	1113,5415	Na	0	1090,5522
	YY	1113,5415	Na	0	1090,5522
<b>Y</b>	ZZ	1118,5469	Na	0	1095,5577
<b>Y</b>	<sup>1,5</sup> X <sub>GlcNAc</sub> Z	1123,5258	Na	0	1100,5366

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	Z <sup>1,5</sup> X <sub>Man</sub>	1123,5258	Na	0	1100,5366
<b>Y</b>	<sup>1,5</sup> X <sub>Man</sub> Z	1123,5258	Na	0	1100,5366
<b>Y</b>	Z <sup>1,5</sup> X <sub>GlcNAc</sub>	1123,5258	Na	0	1100,5366
<b>Y</b>	<sup>3,5</sup> A <sub>GIcNAc</sub> Z	1124,5462	Na	0	1101,5570
	<sup>0,4</sup> X <sub>GlcNAc</sub> Y	1124,5575	Na	0	1101,5683
	<sup>0,4</sup> X <sub>GlcNAc</sub> Y	1124,5575	Na	0	1101,5683
	Y <sup>0,4</sup> X <sub>Man</sub>	1124,5575	Na	0	1101,5683
T -	ZY	1125,5415	Na	0	1102,5522

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	YZ	1125,5415	Na	0	1102,5523
<b>Y</b>	YZ	1136,5575	Na	0	1113,5683
<b>Y</b>	ZY	1136,5575	Na	0	1113,5683
	В	1139,5571	Na	0	1116,5679
<b>Y</b>	<sup>0,3</sup> A <sub>GIcNAc</sub> Z	1140,5411	Na	0	1117,5519
<b>Y</b>	<sup>1,5</sup> X <sub>GlcNAc</sub> Y	1141,5364	Na	0	1118,5472
	Y <sup>1,5</sup> X <sub>Man</sub>	1141,5364	Na	0	1118,5472
	<sup>1,5</sup> X <sub>Man</sub> Y	1141,5364	Na	0	1118,5472

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
<b>Y</b>	Y <sup>1,5</sup> X <sub>GlcNAc</sub>	1141,5364	Na	0	1118,5472
	<sup>3,5</sup> A <sub>GlcNAc</sub> Y	1142,5567	Na	0	1119,5675
	YY	1143,5520	Na	0	1120,5628
	ZZ	1148,5575	Na	0	1125,5683
	ZZ	1148,5575	Na	0	1125,5683
<b>Y</b>	Z <sup>0,2</sup> X <sub>Man</sub>	1151,5571	Na	0	1128,5679
<b>Y</b>	<sup>0,2</sup> X <sub>Man</sub> Z	1151,5571	Na	0	1128,5679
	Z <sup>1,5</sup> X <sub>GlcNAc</sub>	1153,5364	Na	0	1130,5472
		F0			

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	<sup>1,5</sup> X <sub>Fuc</sub> Z	1153,5364	Na	0	1130,5472
<b>Y</b>	YY	1154,5681	Na	0	1131,5788
	С	1157,5677	Na	0	1134,5785
<b>V</b>	<sup>0,3</sup> A <sub>GIcNAc</sub> Y	1158,5517	Na	0	1135,5624
<b>Y</b>	<sup>1,5</sup> X <sub>Man</sub> Z	1164,5524	Na	0	1141,5632
<b>Y</b>	Z <sup>1,5</sup> X <sub>Man</sub>	1164,5524	Na	0	1141,5632
<b>Y</b>	<sup>3,5</sup> A <sub>GlcNAc</sub> Z	1165,5728	Na	0	1142,5836
<b>Y</b>	<sup>3,5</sup> A <sub>GlcNAc</sub> Z	1165,5728	Na	0	1142,5836
		51			

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass			
	ZY	1166,5681	Na	0	1143,5788			
	ZY	1166,5681	Na	0	1143,5788			
	YZ	1166,5681	Na	0	1143,5789			
	YZ	1166,5681	Na	0	1143,5789			
	Z <sup>2,5</sup> X <sub>Man</sub>	1167,5521	Na	0	1144,5628			
	<sup>2,5</sup> X <sub>Man</sub> Z	1167,5521	Na	0	1144,5628			
	<sup>2,5</sup> A <sub>GlcNAc</sub> Z	1168,5724	Na	0	1145,5832			
	Y <sup>0,2</sup> X <sub>Man</sub>	1169,5677	Na	0	1146,5785			
50								

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
F T	<sup>0,2</sup> X <sub>Man</sub> Y	1169,5677	Na	0	1146,5785
	Y <sup>1,5</sup> X <sub>GlcNAc</sub>	1171,5469	Na	0	1148,5577
F	<sup>1,5</sup> X <sub>Fuc</sub> Y	1171,5469	Na	0	1148,5577
	<sup>1,4</sup> X <sub>Fuc</sub> Z	1181,5677	Na	0	1158,5785
<b>Y</b>	<sup>0,3</sup> A <sub>GlcNAc</sub> Z	1181,5677	Na	0	1158,5785
<b>Y</b>	<sup>0,3</sup> A <sub>GlcNAc</sub> Z	1181,5677	Na	0	1158,5785
	<sup>1,4</sup> X <sub>GlcNAc</sub> Z	1181,5677	Na	0	1158,5785
	Z <sup>1,4</sup> X <sub>GlcNAc</sub>	1181,5677	Na	0	1158,5785

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
<b>Y</b>	Z <sup>1,4</sup> X <sub>Man</sub>	1181,5677	Na	0	1158,5785
	<sup>1,4</sup> X <sub>Man</sub> Z	1181,5677	Na	0	1158,5785
	<sup>0,2</sup> X <sub>Fuc</sub> Z	1181,5677	Na	0	1158,5785
	<sup>1,5</sup> X <sub>Man</sub> Y	1182,5630	Na	0	1159,5738
	Y <sup>1,5</sup> X <sub>Man</sub>	1182,5630	Na	0	1159,5738
	<sup>3,5</sup> A <sub>GlcNAc</sub> Y	1183,5833	Na	0	1160,5941
	<sup>3,5</sup> A <sub>GlcNAc</sub> Y	1183,5833	Na	0	1160,5941
	<sup>0,2</sup> A <sub>GlcNAc</sub> Z	1184,5673	Na	0	1161,5781

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	<sup>1,3</sup> X <sub>GlcNAc</sub> Z	1184,5673	Na	0	1161,5781
	<sup>1,3</sup> X <sub>GlcNAc</sub> Z	1184,5673	Na	0	1161,5781
	YY	1184,5786	Na	0	1161,5894
	YY	1184,5786	Na	0	1161,5894
F T T T T T T T T T T T T T T T T T T T	Y <sup>2,5</sup> X <sub>Man</sub>	1185,5626	Na	0	1162,5734
	<sup>2,5</sup> X <sub>Man</sub> Y	1185,5626	Na	0	1162,5734
	<sup>2,5</sup> A <sub>GIcNAc</sub> Y	1186,5830	Na	0	1163,5938
<b>Y</b>	<sup>0,2</sup> X <sub>GlcNAc</sub> Z	1192,5837	Na	0	1169,5945

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	Z <sup>0,2</sup> X <sub>GlcNAc</sub>	1192,5837	Na		1169,5945
<b>Y</b>	<sup>0,2</sup> X <sub>Man</sub> Z	1192,5837	Na	0	1169,5945
<b>Y</b>	Z <sup>0,2</sup> X <sub>Man</sub>	1192,5837	Na	0	1169,5945
	Z <sup>1,5</sup> X <sub>Man</sub>	1194,5630	Na	0	1171,5738
	<sup>1,5</sup> X <sub>Fuc</sub> Z	1194,5630	Na	0	1171,5738
	Z <sup>1,5</sup> X <sub>Man</sub>	1194,5630	Na	0	1171,5738
	<sup>1,5</sup> X <sub>Fuc</sub> Z	1194,5630	Na	0	1171,5738
J	<sup>3,5</sup> A <sub>GlcNAc</sub> Z	1195,5834	Na	0	1172,5941

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
<b>Y</b>	Z <sup>0,3</sup> X <sub>Man</sub>	1195,5834	Na	0	1172,5942
<b>Y</b>	<sup>0,3</sup> X <sub>Man</sub> Z	1195,5834	Na	0	1172,5942
	<sup>2,5</sup> X <sub>Fuc</sub> Z	1197,5626	Na	0	1174,5734
F	<sup>1,4</sup> X <sub>Fuc</sub> Y	1199,5782	Na	0	1176,5890
<b>Y</b>	<sup>0,3</sup> A <sub>GlcNAc</sub> Y	1199,5783	Na	0	1176,5890
<b>Y</b>	<sup>0,3</sup> A <sub>GlcNAc</sub> Y	1199,5783	Na	0	1176,5890
<b>Y</b>	<sup>1,4</sup> X <sub>GlcNAc</sub> Y	1199,5783	Na	0	1176,5890
F	Y <sup>1,4</sup> X <sub>Man</sub>	1199,5783	Na	0	1176,5890

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	<sup>1,4</sup> X <sub>Man</sub> Y	1199,5783	Na	0	1176,5890
<b>Y</b>	Y <sup>1,4</sup> X <sub>GlcNAc</sub>	1199,5783	Na	0	1176,5890
	<sup>0,2</sup> X <sub>Fuc</sub> Y	1199,5783	Na	0	1176,5890
	<sup>0,2</sup> A <sub>GIcNAc</sub> Y	1202,5779	Na	0	1179,5887
	<sup>1,3</sup> X <sub>GlcNAc</sub> Y	1202,5779	Na	0	1179,5887
F	<sup>1,3</sup> X <sub>GlcNAc</sub> Y	1202,5779	Na	0	1179,5887
<b>Y</b>	<sup>2,5</sup> X <sub>GlcNAc</sub> Z	1208,5786	Na	0	1185,5894
	Z <sup>2,5</sup> X <sub>GlcNAc</sub>	1208,5786	Na	0	1185,5894

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
<b>Y</b>	<sup>2,5</sup> X <sub>Man</sub> Z	1208,5787	Na	0	1185,5894
	Z <sup>2,5</sup> X <sub>Man</sub>	1208,5787	Na	0	1185,5894
<b>Y</b>	<sup>2,5</sup> A <sub>GlcNAc</sub> Z	1209,5990	Na	0	1186,6098
<b>Y</b>	<sup>2,5</sup> A <sub>GIcNAc</sub> Z	1209,5990	Na	0	1186,6098
<b>Y</b>	<sup>0,2</sup> X <sub>GlcNAc</sub> Y	1210,5942	Na	0	1187,6050
<b>Y</b>	Y <sup>0,2</sup> X <sub>GlcNAc</sub>	1210,5942	Na	0	1187,6050
<b>Y</b>	<sup>0,2</sup> X <sub>Man</sub> Y	1210,5943	Na	0	1187,6051
<b>Y</b>	Y <sup>0,2</sup> X <sub>Man</sub>	1210,5943	Na	0	1187,6051
			1		

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
J	<sup>0,3</sup> A <sub>GIcNAc</sub> Z	1211,5783	Na	0	1188,5891
	Z <sup>1,4</sup> X <sub>GlcNAc</sub>	1211,5783	Na	0	1188,5891
<b>Y</b>	Z <sup>3,5</sup> X <sub>Man</sub>	1211,5783	Na	0	1188,5891
<b>Y</b>	<sup>3,5</sup> X <sub>Man</sub> Z	1211,5783	Na	0	1188,5891
	Y <sup>1,5</sup> X <sub>Man</sub>	1212,5735	Na	0	1189,5843
	<sup>1,5</sup> X <sub>Fuc</sub> Y	1212,5735	Na	0	1189,5843
	<sup>1,5</sup> X <sub>Fuc</sub> Y	1212,5735	Na	0	1189,5843
	Y <sup>1,5</sup> X <sub>Man</sub>	1212,5735	Na	0	1189,5843
		60			

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	<sup>3,5</sup> A <sub>GIcNAc</sub> Y	1213,5939	Na	0	1190,6047
	Y <sup>0,3</sup> X <sub>Man</sub>	1213,5939	Na	0	1190,6047
	<sup>0,3</sup> X <sub>Man</sub> Y	1213,5939	Na	0	1190,6047
	<sup>2,4</sup> A <sub>GIcNAc</sub>	1213,5939	Na	0	1190,6047
	<sup>2,5</sup> X <sub>Fuc</sub> Y	1215,5732	Na	0	1192,5840
	Z <sup>0,2</sup> X <sub>GlcNAc</sub>	1222,5943	Na	0	1199,6050
	<sup>1,4</sup> X <sub>Fuc</sub> Z	1222,5943	Na	0	1199,6051
	<sup>1,4</sup> X <sub>Fuc</sub> Z	1222,5943	Na	0	1199,6051
		64			

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
<b>Y</b>	<sup>1,4</sup> X <sub>Man</sub> Z	1222,5943	Na	0	1199,6051
	Z <sup>1,4</sup> X <sub>Man</sub>	1222,5943	Na	0	1199,6051
	Z <sup>0,2</sup> X <sub>Man</sub>	1222,5943	Na	0	1199,6051
	<sup>0,2</sup> X <sub>Fuc</sub> Z	1222,5943	Na	0	1199,6051
	Z <sup>0,2</sup> X <sub>Man</sub>	1222,5943	Na	0	1199,6051
	<sup>0,2</sup> X <sub>Fuc</sub> Z	1222,5943	Na	0	1199,6051
	<sup>1,3</sup> X <sub>Fuc</sub> Z	1225,5939	Na	0	1202,6047
	<sup>2,4</sup> X <sub>Fuc</sub> Z	1225,5939	Na	0	1202,6047
		62			

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	<sup>1,3</sup> X <sub>GlcNAc</sub> Z	1225,5939	Na	0	1202,6047
	<sup>0,2</sup> A <sub>GlcNAc</sub> Z	1225,5939	Na	0	1202,6047
	<sup>0,2</sup> A <sub>GlcNAc</sub> Z	1225,5939	Na	0	1202,6047
<b>Y</b>	<sup>1,3</sup> X <sub>GlcNAc</sub> Z	1225,5939	Na	0	1202,6047
<b>Y</b>	<sup>1,3</sup> X <sub>GlcNAc</sub> Z	1225,5939	Na	0	1202,6047
<b>Y</b>	Z <sup>1,3</sup> X <sub>Man</sub>	1225,5939	Na	0	1202,6047
<b>Y</b>	Z <sup>2,4</sup> X <sub>Man</sub>	1225,5939	Na	0	1202,6047
<b>Y</b>	<sup>1,3</sup> X <sub>Man</sub> Z	1225,5939	Na	0	1202,6047
		63		,	

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
<b>Y</b>	<sup>2,4</sup> X <sub>Man</sub> Z	1225,5939	Na	0	1202,6047
<b>Y</b>	Z <sup>1,3</sup> X <sub>GlcNAc</sub>	1225,5939	Na	0	1202,6047
<b>Y</b>	<sup>1,3</sup> X <sub>GlcNAc</sub> Z	1225,5939	Na	0	1202,6047
<b>Y</b>	<sup>1,3</sup> X <sub>GlcNAc</sub> Z	1225,5939	Na	0	1202,6047
	<sup>0,3</sup> X <sub>Fuc</sub> Z	1225,5939	Na	0	1202,6047
	<sup>2,5</sup> X <sub>GlcNAc</sub> Y	1226,5892	Na	0	1203,5999
<b>Y</b>	Y <sup>2,5</sup> X <sub>GlcNAc</sub>	1226,5892	Na	0	1203,5999
<b>Y</b>	<sup>2,5</sup> X <sub>Man</sub> Y	1226,5892	Na	0	1203,6000
		64			

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
<b>Y</b>	Y <sup>2,5</sup> X <sub>Man</sub>	1226,5892	Na	0	1203,6000
	<sup>2,5</sup> A <sub>GlcNAc</sub> Y	1227,6096	Na	0	1204,6204
<b>Y</b>	<sup>2,5</sup> A <sub>GlcNAc</sub> Y	1227,6096	Na	0	1204,6204
	<sup>0,3</sup> A <sub>GIcNAc</sub> Y	1229,5888	Na	0	1206,5996
	Y <sup>1,4</sup> X <sub>GlcNAc</sub>	1229,5888	Na	0	1206,5996
	Y <sup>3,5</sup> X <sub>Man</sub>	1229,5888	Na	0	1206,5996
	<sup>3,5</sup> X <sub>Man</sub> Y	1229,5888	Na	0	1206,5996
	<sup>0,3</sup> X <sub>GlcNAc</sub> Z	1236,6099	Na	0	1213,6207
		GE.			

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	Z <sup>0,3</sup> X <sub>GlcNAc</sub>	1236,6099	Na	0	1213,6207
<b>Y</b>	<sup>0,3</sup> X <sub>Man</sub> Z	1236,6100	Na	0	1213,6208
<b>Y</b>	Z <sup>0,3</sup> X <sub>Man</sub>	1236,6100	Na	0	1213,6208
	Z <sup>2,5</sup> X <sub>GlcNAc</sub>	1238,5892	Na	0	1215,6000
	Z <sup>2,5</sup> X <sub>Man</sub>	1238,5892	Na	0	1215,6000
	<sup>2,5</sup> X <sub>Fuc</sub> Z	1238,5892	Na	0	1215,6000
	Z <sup>2,5</sup> X <sub>Man</sub>	1238,5892	Na	0	1215,6000
	<sup>2,5</sup> X <sub>Fuc</sub> Z	1238,5892	Na	0	1215,6000
		66			

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	<sup>0,4</sup> X <sub>GIcNAc</sub> Z	1239,6096	Na	0	1216,6203
J	<sup>2,5</sup> A <sub>GlcNAc</sub> Z	1239,6096	Na	0	1216,6204
	Z <sup>0,4</sup> X <sub>Man</sub>	1239,6096	Na	0	1216,6204
	<sup>0,4</sup> X <sub>Man</sub> Z	1239,6096	Na	0	1216,6204
	Y <sup>0,2</sup> X <sub>GlcNAc</sub>	1240,6048	Na	0	1217,6156
	<sup>1,4</sup> X <sub>Fuc</sub> Y	1240,6048	Na	0	1217,6156
	<sup>1,4</sup> X <sub>Fuc</sub> Y	1240,6048	Na	0	1217,6156
<b>Y</b>	<sup>1,4</sup> X <sub>Man</sub> Y	1240,6049	Na	0	1217,6156
	1	07			1

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	Y <sup>1,4</sup> X <sub>Man</sub>	1240,6049	Na	0	1217,6156
	Y <sup>0,2</sup> X <sub>Man</sub>	1240,6049	Na	0	1217,6156
	<sup>0,2</sup> X <sub>Fuc</sub> Y	1240,6049	Na	0	1217,6156
	<sup>0,2</sup> X <sub>Fuc</sub> Y	1240,6049	Na	0	1217,6156
	Y <sup>0,2</sup> X <sub>Man</sub>	1240,6049	Na	0	1217,6156
	<sup>3,5</sup> X <sub>Fuc</sub> Z	1241,5889	Na	0	1218,5996
	<sup>1,3</sup> X <sub>Fuc</sub> Y	1243,6045	Na	0	1220,6153
	<sup>2,4</sup> X <sub>Fuc</sub> Y	1243,6045	Na	0	1220,6153
		68			

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass			
	<sup>0,2</sup> A <sub>GlcNAc</sub> Y	1243,6045	Na	0	1220,6153			
	<sup>0,2</sup> A <sub>GlcNAc</sub> Y	1243,6045	Na	0	1220,6153			
	<sup>1,3</sup> X <sub>GlcNAc</sub> Y	1243,6045	Na	0	1220,6153			
	Y <sup>1,3</sup> X <sub>Man</sub>	1243,6045	Na	0	1220,6153			
	Y <sup>2,4</sup> X <sub>Man</sub>	1243,6045	Na	0	1220,6153			
	<sup>1,3</sup> X <sub>Man</sub> Y	1243,6045	Na	0	1220,6153			
	<sup>2,4</sup> X <sub>Man</sub> Y	1243,6045	Na	0	1220,6153			
<b>Y</b>	Y <sup>1,3</sup> X <sub>GlcNAc</sub>	1243,6045	Na	0	1220,6153			
60								

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
<b>Y</b>	<sup>1,3</sup> X <sub>GlcNAc</sub> Y	1243,6045	Na	0	1220,6153
<b>Y</b>	<sup>1,3</sup> X <sub>GlcNAc</sub> Y	1243,6045	Na	0	1220,6153
<b>Y</b>	<sup>1,3</sup> X <sub>GlcNAc</sub> Y	1243,6045	Na	0	1220,6153
<b>Y</b>	<sup>1,3</sup> X <sub>GlcNAc</sub> Y	1243,6045	Na	0	1220,6153
F	<sup>0,3</sup> X <sub>Fuc</sub> Y	1243,6045	Na	0	1220,6153
	<sup>3,5</sup> X <sub>GlcNAc</sub> Z	1252,6048	Na	0	1229,6156
<b>Y</b>	Z <sup>3,5</sup> X <sub>GlcNAc</sub>	1252,6048	Na	0	1229,6156
	Z <sup>1,4</sup> X <sub>Man</sub>	1252,6049	Na	0	1229,6157
		70			

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	Z <sup>1,4</sup> X <sub>Man</sub>	1252,6049	Na	0	1229,6157
<b>Y</b>	<sup>3,5</sup> X <sub>Man</sub> Z	1252,6049	Na	0	1229,6157
	Z <sup>3,5</sup> X <sub>Man</sub>	1252,6049	Na	0	1229,6157
	<sup>1,5</sup> A <sub>GlcNAc</sub> Z	1253,6252	Na	0	1230,6360
<b>Y</b>	<sup>0,3</sup> X <sub>GlcNAc</sub> Y	1254,6205	Na	0	1231,6313
<b>Y</b>	Y <sup>0,3</sup> X <sub>GlcNAc</sub>	1254,6205	Na	0	1231,6313
<b>Y</b>	Y <sup>0,3</sup> X <sub>Man</sub>	1254,6205	Na	0	1231,6313
<b>Y</b>	<sup>0,3</sup> X <sub>Man</sub> Y	1254,6205	Na	0	1231,6313
			1		

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
Ţ	<sup>0,2</sup> A <sub>GIcNAc</sub> Z	1255,6045	Na	0	1232,6153
	Z <sup>1,3</sup> X <sub>GlcNAc</sub>	1255,6045	Na	0	1232,6153
	Z <sup>1,3</sup> X <sub>GlcNAc</sub>	1255,6045	Na	0	1232,6153
T -	<sup>1,3</sup> X <sub>GlcNAc</sub> Z	1255,6045	Na	0	1232,6153
	Y <sup>2,5</sup> X <sub>GlcNAc</sub>	1256,5997	Na	0	1233,6105
	<sup>2,5</sup> X <sub>Fuc</sub> Y	1256,5998	Na	0	1233,6106
	<sup>2,5</sup> X <sub>Fuc</sub> Y	1256,5998	Na	0	1233,6106
	Y <sup>2,5</sup> X <sub>Man</sub>	1256,5998	Na	0	1233,6106
		70			

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	Y <sup>2,5</sup> X <sub>Man</sub>	1256,5998	Na	0	1233,6106
F	<sup>0,4</sup> X <sub>GlcNAc</sub> Y	1257,6201	Na	0	1234,6309
	<sup>2,5</sup> A <sub>GlcNAc</sub> Y	1257,6202	Na	0	1234,6309
F	Y <sup>0,4</sup> X <sub>Man</sub>	1257,6202	Na	0	1234,6309
F	<sup>0,4</sup> X <sub>Man</sub> Y	1257,6202	Na	0	1234,6309
F	<sup>3,5</sup> X <sub>Fuc</sub> Y	1259,5994	Na	0	1236,6102
<b>Y</b>	<sup>2,4</sup> X <sub>GlcNAc</sub> Z	1266,6205	Na	0	1243,6313
<b>Y</b>	Z <sup>2,4</sup> X <sub>GlcNAc</sub>	1266,6205	Na	0	1243,6313

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	Z <sup>0,3</sup> X <sub>GlcNAc</sub>	1266,6205	Na	0	1243,6313
	<sup>1,3</sup> X <sub>Fuc</sub> Z	1266,6205	Na	0	1243,6313
	<sup>2,4</sup> X <sub>Fuc</sub> Z	1266,6205	Na	0	1243,6313
	<sup>1,3</sup> X <sub>Fuc</sub> Z	1266,6205	Na	0	1243,6313
	<sup>2,4</sup> X <sub>Fuc</sub> Z	1266,6205	Na	0	1243,6313
<b>Y</b>	<sup>1,3</sup> X <sub>Man</sub> Z	1266,6205	Na	0	1243,6313
<b>Y</b>	<sup>2,4</sup> X <sub>Man</sub> Z	1266,6205	Na	0	1243,6313
<b>Y</b>	Z <sup>1,3</sup> X <sub>Man</sub>	1266,6205	Na	0	1243,6313
		_,			

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
<b>Y</b>	Z <sup>2,4</sup> X <sub>Man</sub>	1266,6205	Na	0	1243,6313
	Z <sup>0,3</sup> X <sub>Man</sub>	1266,6205	Na	0	1243,6313
	<sup>0,3</sup> X <sub>Fuc</sub> Z	1266,6205	Na	0	1243,6313
T	Z <sup>0,3</sup> X <sub>Man</sub>	1266,6205	Na	0	1243,6313
	<sup>0,3</sup> X <sub>Fuc</sub> Z	1266,6205	Na	0	1243,6313
	<sup>0,4</sup> X <sub>Fuc</sub> Z	1269,6202	Na	0	1246,6310
	<sup>3,5</sup> X <sub>GlcNAc</sub> Y	1270,6154	Na	0	1247,6262
	Y <sup>3,5</sup> X <sub>GlcNAc</sub>	1270,6154	Na	0	1247,6262

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
T	Y <sup>1,4</sup> X <sub>Man</sub>	1270,6154	Na	0	1247,6262
	Y <sup>1,4</sup> X <sub>Man</sub>	1270,6154	Na	0	1247,6262
<b>Y</b>	<sup>3,5</sup> X <sub>Man</sub> Y	1270,6154	Na	0	1247,6262
	Y <sup>3,5</sup> X <sub>Man</sub>	1270,6154	Na	0	1247,6262
	<sup>1,5</sup> A <sub>GlcNAc</sub> Y	1271,6358	Na	0	1248,6465
	<sup>0,2</sup> A <sub>GIcNAc</sub> Y	1273,6151	Na	0	1250,6258
	Y <sup>1,3</sup> X <sub>GlcNAc</sub>	1273,6151	Na	0	1250,6258
	Y <sup>1,3</sup> X <sub>GlcNAc</sub>	1273,6151	Na	0	1250,6258

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
<b>T</b>	<sup>1,3</sup> X <sub>GlcNAc</sub> Y	1273,6151	Na	0	1250,6258
<b>Y</b>	<sup>0,4</sup> X <sub>GlcNAc</sub> Z	1280,6362	Na	0	1257,6469
	Z <sup>0,4</sup> X <sub>GlcNAc</sub>	1280,6362	Na	0	1257,6469
<b>Y</b>	<sup>0,4</sup> X <sub>GlcNAc</sub> Z	1280,6362	Na	0	1257,6469
<b>Y</b>	<sup>0,4</sup> X <sub>GlcNAc</sub> Z	1280,6362	Na	0	1257,6469
<b>Y</b>	<sup>0,4</sup> X <sub>Man</sub> Z	1280,6362	Na	0	1257,6470
<b>Y</b>	Z <sup>0,4</sup> X <sub>Man</sub>	1280,6362	Na	0	1257,6470
	Z <sup>3,5</sup> X <sub>GlcNAc</sub>	1282,6154	Na	0	1259,6262
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Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	Z <sup>3,5</sup> X <sub>Man</sub>	1282,6155	Na	0	1259,6262
	<sup>3,5</sup> X <sub>Fuc</sub> Z	1282,6155	Na	0	1259,6262
	Z <sup>3,5</sup> X <sub>Man</sub>	1282,6155	Na	0	1259,6262
	<sup>3,5</sup> X <sub>Fuc</sub> Z	1282,6155	Na	0	1259,6262
	<sup>2,4</sup> X <sub>GlcNAc</sub> Y	1284,6310	Na	0	1261,6418
	Y <sup>2,4</sup> X <sub>GlcNAc</sub>	1284,6310	Na	0	1261,6418
	Y <sup>0,3</sup> X <sub>GlcNAc</sub>	1284,6311	Na	0	1261,6418
	<sup>1,3</sup> X <sub>Fuc</sub> Y	1284,6311	Na	0	1261,6419
		70			

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	<sup>2,4</sup> X <sub>Fuc</sub> Y	1284,6311	Na	0	1261,6419
	<sup>1,3</sup> X <sub>Fuc</sub> Y	1284,6311	Na	0	1261,6419
	<sup>2,4</sup> X <sub>Fuc</sub> Y	1284,6311	Na	0	1261,6419
	<sup>1,3</sup> X <sub>Man</sub> Y	1284,6311	Na	0	1261,6419
	<sup>2,4</sup> X <sub>Man</sub> Y	1284,6311	Na	0	1261,6419
<b>Y</b>	Y <sup>1,3</sup> X <sub>Man</sub>	1284,6311	Na	0	1261,6419
<b>Y</b>	Y <sup>2,4</sup> X <sub>Man</sub>	1284,6311	Na	0	1261,6419
	Y <sup>0,3</sup> X <sub>Man</sub>	1284,6311	Na	0	1261,6419
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Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	<sup>0,3</sup> X <sub>Fuc</sub> Y	1284,6311	Na	0	1261,6419
	<sup>0,3</sup> X <sub>Fuc</sub> Y	1284,6311	Na	0	1261,6419
	Y <sup>0,3</sup> X <sub>Man</sub>	1284,6311	Na	0	1261,6419
F T	<sup>0,4</sup> X <sub>Fuc</sub> Y	1287,6307	Na	0	1264,6415
	<sup>1,5</sup> A <sub>GlcNAc</sub> Z	1294,6518	Na	0	1271,6626
	<sup>1,5</sup> A <sub>GIcNAc</sub> Z	1294,6518	Na	0	1271,6626
	Z <sup>2,4</sup> X <sub>GlcNAc</sub>	1296,6311	Na	0	1273,6418
	Z <sup>1,3</sup> X <sub>Man</sub>	1296,6311	Na	0	1273,6419
		80			

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	Z <sup>2,4</sup> X <sub>Man</sub>	1296,6311	Na	0	1273,6419
	Z <sup>1,3</sup> X <sub>Man</sub>	1296,6311	Na	0	1273,6419
	Z <sup>2,4</sup> X <sub>Man</sub>	1296,6311	Na	0	1273,6419
	<sup>0,4</sup> X <sub>GlcNAc</sub> Y	1298,6467	Na	0	1275,6575
<b>Y</b>	<sup>0,4</sup> X <sub>GlcNAc</sub> Y	1298,6467	Na	0	1275,6575
<b>Y</b>	<sup>0,4</sup> X <sub>GlcNAc</sub> Y	1298,6467	Na	0	1275,6575
<b>Y</b>	Y <sup>0,4</sup> X <sub>GlcNAc</sub>	1298,6467	Na	0	1275,6575
	<sup>1,4</sup> A <sub>GlcNAc</sub>	1298,6467	Na	0	1275,6575
		04			

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
<b>Y</b>	<sup>0,4</sup> X <sub>Man</sub> Y	1298,6468	Na	0	1275,6575
<b>Y</b>	Y <sup>0,4</sup> X <sub>Man</sub>	1298,6468	Na	0	1275,6575
<b>Y</b>	<sup>1,3</sup> X <sub>Man</sub>	1298,6468	Na	0	1275,6575
	Y <sup>3,5</sup> X <sub>GlcNAc</sub>	1300,6260	Na	0	1277,6367
	<sup>3,5</sup> X <sub>Fuc</sub> Y	1300,6260	Na	0	1277,6368
	<sup>3,5</sup> X <sub>Fuc</sub> Y	1300,6260	Na	0	1277,6368
	Y <sup>3,5</sup> X <sub>Man</sub>	1300,6260	Na	0	1277,6368
	Y <sup>3,5</sup> X <sub>Man</sub>	1300,6260	Na	0	1277,6368

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	Z <sup>0,4</sup> X <sub>GlcNAc</sub>	1310,6467	Na	0	1287,6575
	Z <sup>0,4</sup> X <sub>GlcNAc</sub>	1310,6467	Na	0	1287,6575
	Z <sup>0,4</sup> X <sub>Man</sub>	1310,6468	Na	0	1287,6576
	<sup>0,4</sup> X <sub>Fuc</sub> Z	1310,6468	Na	0	1287,6576
	Z <sup>0,4</sup> X <sub>Man</sub>	1310,6468	Na	0	1287,6576
	<sup>0,4</sup> X <sub>Fuc</sub> Z	1310,6468	Na	0	1287,6576
<b>*</b>	<sup>1,5</sup> A <sub>GlcNAc</sub> Y	1312,6624	Na	0	1289,6731
<b>Y</b>	<sup>1,5</sup> A <sub>GlcNAc</sub> Y	1312,6624	Na	0	1289,6731

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
<b>Y</b>	<sup>0,4</sup> X <sub>Man</sub>	1312,6624	Na	0	1289,6732
<b>Y</b>	Z	1313,6464	Na	0	1290,6572
	Y <sup>2,4</sup> X <sub>GlcNAc</sub>	1314,6416	Na	0	1291,6524
	Y <sup>1,3</sup> X <sub>Man</sub>	1314,6417	Na	0	1291,6524
	Y <sup>2,4</sup> X <sub>Man</sub>	1314,6417	Na	0	1291,6524
	Y <sup>1,3</sup> X <sub>Man</sub>	1314,6417	Na	0	1291,6524
	Y <sup>2,4</sup> X <sub>Man</sub>	1314,6417	Na	0	1291,6524
J	<sup>1,5</sup> A <sub>GIcNAc</sub> Z	1324,6624	Na	0	1301,6732

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	Y <sup>0,4</sup> X <sub>GlcNAc</sub>	1328,6573	Na	0	1305,6681
	Y <sup>0,4</sup> X <sub>GlcNAc</sub>	1328,6573	Na	0	1305,6681
	<sup>0,4</sup> X <sub>Fuc</sub> Y	1328,6573	Na	0	1305,6681
	<sup>0,4</sup> X <sub>Fuc</sub> Y	1328,6573	Na	0	1305,6681
	Y <sup>0,4</sup> X <sub>Man</sub>	1328,6573	Na	0	1305,6681
	Y <sup>0,4</sup> X <sub>Man</sub>	1328,6573	Na	0	1305,6681
F	Υ	1331,6569	Na	0	1308,6677
	<sup>1,5</sup> A <sub>GlcNAc</sub> Y	1342,6729	Na	0	1319,6837
		0.5	ı		

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass	
	<sup>0,4</sup> X <sub>GIcNAc</sub>	1342,6730	Na	0	1319,6837	
<b>Y</b>	Z	1354,6730	Na	0	1331,6838	
<b>Y</b>	Z	1354,6730	Na	0	1331,6838	
<b>Y</b>	<sup>1,5</sup> X <sub>GlcNAc</sub>	1359,6519	Na	0	1336,6626	
<b>Y</b>	Υ	1372,6835	Na	0	1349,6943	
<b>Y</b>	Υ	1372,6835	Na	0	1349,6943	
	Z	1384,6835	Na	0	1361,6943	
	<sup>1,5</sup> X <sub>Man</sub>	1400,6785	Na	0	1377,6892	
96						

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass	
<b>Y</b>	<sup>1,5</sup> X <sub>Man</sub>	1400,6785	Na	0	1377,6892	
<b>Y</b>	<sup>3,5</sup> A <sub>GIcNAc</sub>	1401,6988	Na	0	1378,7096	
	Υ	1402,6941	Na	0	1379,7049	
<b>Y</b>	<sup>0,3</sup> A <sub>GlcNAc</sub>	1417,6937	Na	0	1394,7045	
<b>Y</b>	<sup>1,4</sup> X <sub>GlcNAc</sub>	1417,6937	Na	0	1394,7045	
<b>Y</b>	<sup>0,2</sup> X <sub>GlcNAc</sub>	1428,7097	Na	0	1405,7205	
<b>Y</b>	<sup>0,2</sup> X <sub>Man</sub>	1428,7098	Na	0	1405,7206	
<b>Y</b>	<sup>0,2</sup> X <sub>Man</sub>	1428,7098	Na	0	1405,7206	
0.7						

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass	
	<sup>1,5</sup> X <sub>Fuc</sub>	1430,6890	Na	0	1407,6998	
<b>Y</b>	<sup>2,5</sup> X <sub>GlcNAc</sub>	1444,7046	Na	0	1421,7154	
<b>Y</b>	<sup>2,5</sup> X <sub>Man</sub>	1444,7047	Na	0	1421,7155	
<b>Y</b>	<sup>2,5</sup> X <sub>Man</sub>	1444,7047	Na	0	1421,7155	
	<sup>2,5</sup> A <sub>GlcNAc</sub>	1445,7251	Na	0	1422,7358	
	<sup>1,4</sup> X <sub>Fuc</sub>	1458,7203	Na	0	1435,7311	
	<sup>1,4</sup> X <sub>Man</sub>	1458,7203	Na	0	1435,7311	
<b>Y</b>	<sup>1,4</sup> X <sub>Man</sub>	1458,7203	Na	0	1435,7311	
88						

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass	
	<sup>0,2</sup> X <sub>Fuc</sub>	1458,7203	Na	0	1435,7311	
<b>Y</b>	<sup>0,2</sup> A <sub>GIcNAc</sub>	1461,7200	Na	0	1438,7308	
	<sup>1,3</sup> X <sub>GIcNAc</sub>	1461,7200	Na	0	1438,7308	
<b>Y</b>	<sup>1,3</sup> X <sub>GIcNAc</sub>	1461,7200	Na	0	1438,7308	
<b>Y</b>	<sup>1,3</sup> X <sub>GIcNAc</sub>	1461,7200	Na	0	1438,7308	
<b>Y</b>	0,3 X <sub>GIcNAc</sub>	1472,7360	Na	0	1449,7467	
<b>Y</b>	<sup>0,3</sup> X <sub>Man</sub>	1472,7360	Na	0	1449,7468	
<b>Y</b>	<sup>0,3</sup> X <sub>Man</sub>	1472,7360	Na	0	1449,7468	
89						

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass	
	<sup>2,5</sup> X <sub>Fuc</sub>	1474,7153	Na	0	1451,7260	
<b>Y</b>	3,5 X <sub>GIcNAc</sub>	1488,7309	Na	0	1465,7417	
<b>Y</b>	<sup>3,5</sup> X <sub>Man</sub>	1488,7309	Na	0	1465,7417	
<b>Y</b>	<sup>3,5</sup> X <sub>Man</sub>	1488,7309	Na	0	1465,7417	
<b>Y</b>	<sup>2,4</sup> X <sub>GlcNAc</sub>	1502,7465	Na	0	1479,7573	
	<sup>1,3</sup> X <sub>Fuc</sub>	1502,7466	Na	0	1479,7573	
	<sup>2,4</sup> X <sub>Fuc</sub>	1502,7466	Na	0	1479,7573	
<b>Y</b>	<sup>1,3</sup> X <sub>Man</sub>	1502,7466	Na	0	1479,7574	
90						

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass	
<b>Y</b>	<sup>2,4</sup> X <sub>Man</sub>	1502,7466	Na	0	1479,7574	
<b>Y</b>	<sup>1,3</sup> X <sub>Man</sub>	1502,7466	Na	0	1479,7574	
<b>Y</b>	<sup>2,4</sup> X <sub>Man</sub>	1502,7466	Na	0	1479,7574	
	<sup>0,3</sup> X <sub>Fuc</sub>	1502,7466	Na	0	1479,7574	
<b>Y</b>	<sup>0,4</sup> X <sub>GlcNAc</sub>	1516,7622	Na	0	1493,7730	
<b>Y</b>	<sup>0,4</sup> X <sub>GlcNAc</sub>	1516,7622	Na	0	1493,7730	
<b>Y</b>	<sup>0,4</sup> X <sub>Man</sub>	1516,7622	Na	0	1493,7730	
<b>Y</b>	<sup>0,4</sup> X <sub>Man</sub>	1516,7622	Na	0	1493,7730	
01						

Fragment	Туре	m/z	lons	Neutral Exchanges	Fragment Mass
	<sup>3,5</sup> X <sub>Fuc</sub>	1518,7415	Na	0	1495,7523
	<sup>1,5</sup> A <sub>GIcNAc</sub>	1530,7778	Na	0	1507,7886
	<sup>0,4</sup> X <sub>Fuc</sub>	1546,7728	Na	0	1523,7836
		1590,7990	Na	0	1567,8098