피크만에스피 Application Note

SHODEX

Glyphosate and metabolite
Glufosinate and metabolite

HILICpak VT-50 2D 2.0 x 150 mm, 5 µm

Glyphosate 및 Glufosinate 대사체			
이동상	A : DW / Formic acid = 100 / 0.5		
	B : 20mM Ammonium formate / ACN = 20 / 80		
주입량	5 µL		
분석기기	LC-MS/MS HTS-Z(Inert) + TQ3500		
오븐온도	40 ℃		
컬럼	HILIC pak VT-50 2D (2.0 x 150 mm, 5 um)		
Time (min)	Flow rate (mL/min)	A (%)	B (%)
Int.	0.25	0	100
1.0	0.25	0	100
5.0	0.25	100	0
19.0	0.25	100	0
19.1	0.25	0	100
25	0.25	0	100

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물질 별 MRM

No.	Compound	Q1	Q3	DP	EP	CE	CXP	Concentration (ppm)
1	Glyphosate_1	168.1	63.0	-45	-10	-32	-3	1
	Glyphosate_2		150.0	-45	-10	-14	-9	
2	N-acetyl glyphosate_1	209.9	150.0	-60	-10	-20	-7	1
	N-acetyl glyphosate_2		124.0	-60	-10	-26	-5	
3	AMPA_1	110.0	79.0	-55	-10	-34	-3	1
	AMPA_2		63.0	-55	-10	-24	-9	
4	N-acetyl AMPA_1	151.8	109.0	-10	-10	-18	-5	1
	N-acetyl AMPA_2		78.9	-10	-10	-46	-5	
5	Glufosinate_1	180.0	63.0	-55	-10	-50	-1	1
	Glufosinate_2		95.0	-55	-10	-24	-5	
6	N-acetyl glufosinate_1	221.9	135.9	-10	-10	-30	-7	1
	N-acetyl glufosinate_2		62.8	-10	-10	-76	-7	
7	3MPP_1	150.8	132.6	-10	-10	-18	-17	1
	3MPP_2		63.0	-10	-10	-42	-9	

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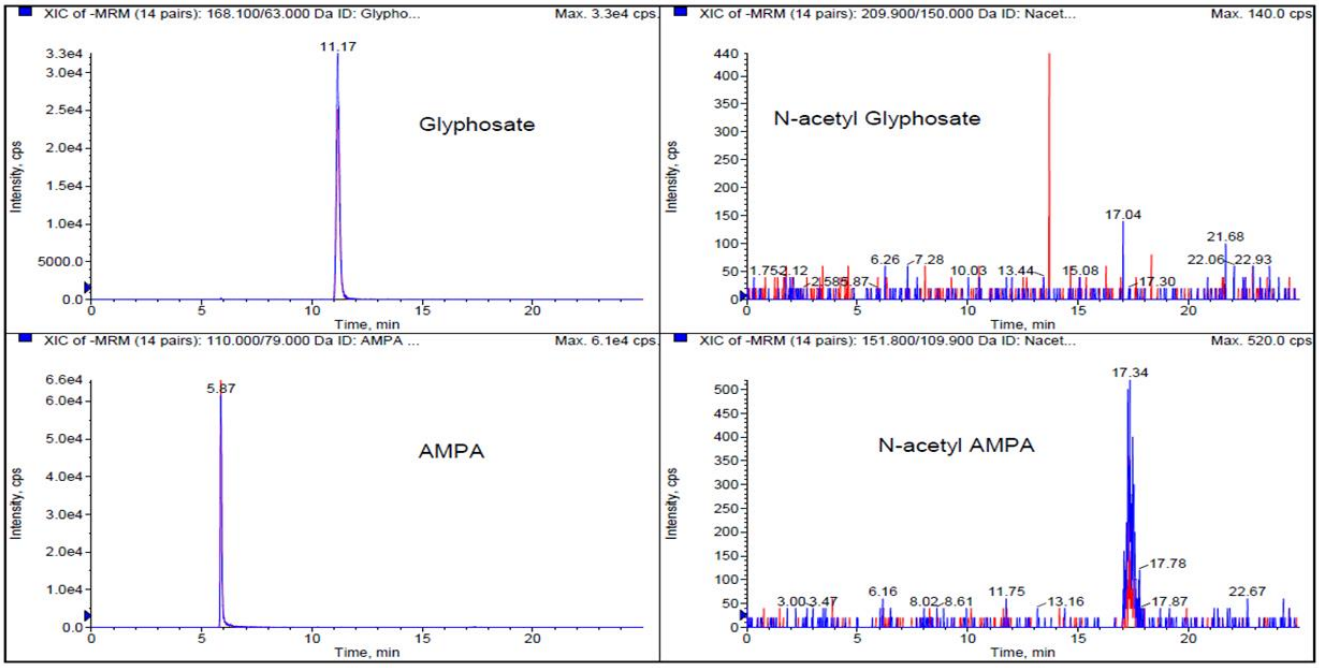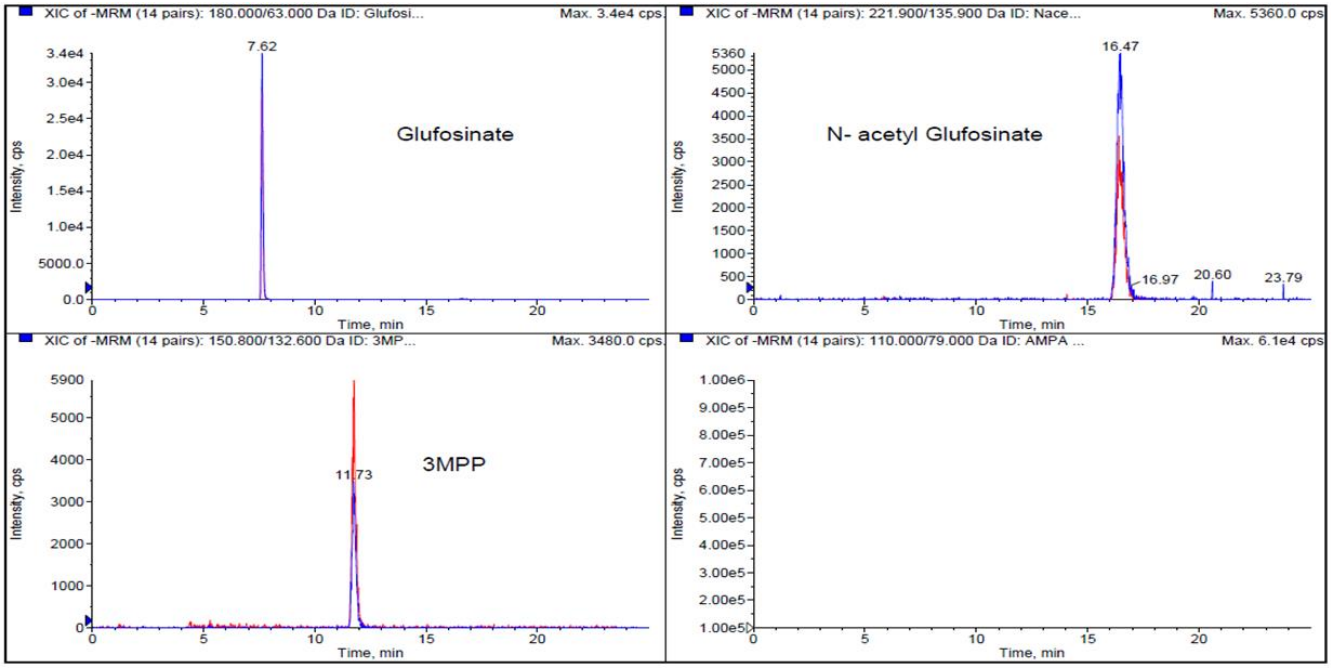
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