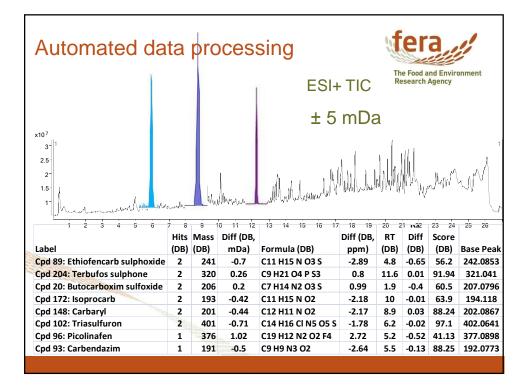


Results Summary						
commodity	No of pesticides					
	Validated at 0.01 mg/kg*		Scree 0.01 r	ning at ng/kg		
Lettuce (ToF)	357	(88%)	378	(93%)		
Lettuce (MS/MS)	374	(91%)	396	(96%)		
Grape (ToF)	333	(81%)	375	(92%)		
Grapes (MS/MS)	380	(92%)	398	(96%)		
In accordance with *EU Method validation criteria						
 Next step is to use the method for samples containing incurred residues 						

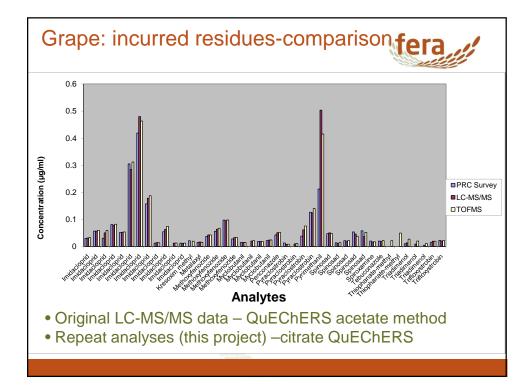






Samples of lettuce (10), grapes (20) and Pears (20) containing 35 different pesticides (0.01 – 0.78 mg/kg)

		Target compound analysis						ToF Screening		Difference
Pesticide	PRC	LC-MS/MS			FOF (Quan data analysis			Auto-	Software	in Averages
	Result	Rep 1	Rep 2	Average	Rep 1	Rep 2	Average	detection	Fiť	MS/MS v ToFMS
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	Yes/No	%	%
	GRAPE SAMPLES CONTAINING INCURRED RESIDUES							-		
boscalid	0.03	0.04	0.03	0.04	0.04	0.03	0.03	~	46	109
fenhexamid	0.05	0.06	0.05	0.05	0.05	0.04	0.04	~	46	118
fenhexamid	0.36	0.71	0.65	0.68	0.59	0.55	0.57	~	99	120
cyprodinil	0.07	0.09	0.09	0.09	0.08	0.08	0.08	~	84	111
fludioxinil	0.02	0.03	0.03	0.03	0.03	0.02	0.03	~	41	127
fenhexamid	0.10	0.08	0.09	0.09	0.08	0.08	0.08	~	72	109
imidacloprid	0.08	0.07	0.08	0.08	0.08	0.09	0.08	~	46	95
kresoxim-methyl	0.02	< 0.005	< 0.005	<0.01	0.02	0.02	0.02	~	46	n/a
http://randd.defra.gov.uk/Document.aspx?Document =PS2541 10023 FRP.pdf										



ToFMS Results; incurred residues – detection rates						
Commodity	Incurred samples					
	data processing + analyst intervention	*Automated - no intervention (± 5 mDa)				
Lettuce (ToF)	29/30	28/30				
Grape ToF)	67/68	63/68				
Pear (ToF)	67/71	66/71				
Data filtered by database (mass and retention time)						

