



Instituto Tecnológico  
GeoMinero de España

CONTAMINACION DE AGUAS SUBTERRANEAS POR  
PLAGUICIDAS. DETERMINACION DE RESIDUOS.  
EVOLUCION Y PROCESOS FISICO-QUIMICOS EN LAS  
ZONAS SATURADAS Y NO SATURADA.

ANEXOS

1992.



SECRETARIA GENERAL DE LA ENERGIA Y RECURSOS MINERALES  
MINISTERIO DE INDUSTRIA, COMERCIO Y TURISMO

31994

**A N E X O 1**

**Resultados de análisis en la zona no saturada**

## 1.1. INORGANICOS



INORGANICOS EN ZNS. Tomamuestras Teflón (ppm)

MUESTRA	F.ANAL.	HCO3	Cl	SO4	PO4	NO3	Ca	Mg	Na	K	pH	COND
1M 1.5	27-09-91			20			127		26,3	7,3	7,8	1047
	12-10-91											
	04-11-91			210			195		11,3	7	7,3	1270
	24-01-92			183			200		14,2	5,4	7	835
4M 1.5	27-09-91											
	12-10-91											
	04-11-91											
	24-01-92											
M 2.5	19-12-90											
	14-01-91		65	321	0,1	178	215	34,5	23,2	7,9	7,6	1355
	21-02-91		36	249	0,0	30	187	24,3	22,4	5,3	7,8	1085
	15-03-91	369	46	509		128	9	1,22		6,8	7,5	1253
	30-04-91											
	21-06-91		43	282	0,1	91	6	1,4	40,7	9,1	7,5	1230
15-07-91		138	280	0,2	130	5	1,07	40,7	10,5	7,8	1192	
1M 2.5	27-09-91			258	0,23		145		45	9,7	7,7	1130
	12-10-91											
	04-11-91			270			187		22,1	8,4	7,4	1373
	24-01-92			292			209		27,7	7,2	7,4	1125
4M 2.5	27-09-91			260	0,08		202		35	7,6	7,8	1370
	12-10-91											
	04-11-91			328			260		22,1	8,4	7,8	1556
	24-01-92			492			144		35,9	7,7	7,3	1590

INORGANICOS EN ZNS. Tomamuestras PVC (ppm)

MUESTRA	F.ANAL.	HCO3	Cl	SO4	PO4	NO3	Ca	Mg	Na	K	pH	COND
P 2.5	19-12-90											
	14-01-91		69	1044	0,1	187	268	45,3	26,5	7,9	7,7	1285
	21-02-91		33	173	0,2	65	287	45,8	31,1	6,1	7,5	1404
	15-03-91	369	45	295		128	11	1,7		6,1	7,3	1400
	30-04-91											
	21-06-91		57	315	0,1	122	7	1,6	36,2	7	7,5	1295
	15-07-91		145	379	0,1	127	6	1,66	36,2	10,1	7,7	1572
3P 2.5	27-09-91			416	0,08		292		40	7,3	7,3	1668
	12-10-91											
	04-11-91			713			376		35	6,7	7	1995
	24-01-92			402			282		27,7	4,7	6,9	1200
2P 3.4	19-12-90											1363
	14-01-91		37	325	0,0	110	210	33,6	24,8	5,1	7,4	980
	21-02-91		28	108	0,0	38	209	36,1	29,3	4,5	7,5	1385
	15-03-91	472	67	257		93	9	1,34		4,7	6,9	1113
	30-04-91											
	21-06-91		55	172	0,1	145	7	1,4	33,7	7,9	7,2	1234
	15-07-91		126	175	0,1	93	5	1,4	33,7	8	7,8	1321
	27-09-91				0,3				30	5,1	7,3	
	12-10-91											
	04-11-91								17,8	5,7	7,3	
24-01-92								22,3	5,5	7,0		

INORGANICOS EN ZNS. Tomamuestras PVC (ppm)

MUESTRA	F.ANAL	HCO3	Cl	SO4	PO4	NO3	Ca	Mg	Na	K	pH	COND
P 0.5	19-12-90											
	14-01-91		28	243	0,1	95	145	26,4	22,4	4,6	7,6	874
	21-02-91		56	162	0,0	86	131	22,1	34,5	3,8	7,9	701
	15-03-91	410	69	133		32	6	0,73		3,5	7,7	741
	30-04-91											
	21-06-91		24	113	0,3	67	4	0,7	24,5	4,4	7,5	817
	15-07-91		39	153	0,2	67	6	0,9	26,7	7,7	7,6	961
2P 0.5	27-09-91											
	12-10-91											
	04-11-91											
	24-01-92			340			179		27,7	3,5	7,3	966
3P 0.5	27-09-91			994	0,07		485		92,5	2,2	7,4	2620
	12-10-91											
	04-11-91			204			178		11,3	4,5	7,8	1070
	24-01-92			247			186		16,9	3,7	7,3	864
P 1.5	19-12-90											
	14-01-91			586	0,0	306	285	67,9	65,6	6,5	7,7	1839
	21-02-91		39	34	0,1	33	169	22,1	27,6	4,3	7,5	1459
	15-03-91	390	74	535		122	12	1,94		3,9	7,1	1760
	30-04-91											
	21-06-91		100	353	0,2	205	11	1,7	57,5	7,5	7,3	1512
	15-07-91		140	372	0,2	184	13	1,97	59,5	6,3	7,4	1873
2P 1.5	27-09-91			410	0,08		237		40	8,6	7,1	1057
	12-10-91											
	04-11-91			323			262		28,5	7,5	7,1	1457
	24-01-92			265			212		6,1	5,7	6,9	951
3P 1.5	27-09-91			559	0,11		327		50,75	6,2	7,7	1970
	12-10-91											
	04-11-91			1362					127,6		7,8	3760
	24-01-92			1147			652				6,9	2570

## 1.2. METALES



METALES PESADOS EN ZNS. Tomamuestras PVC. (ppb)

MUESTRA	F.ANALIS	Zn	Cu	Mn	Fe
P 0.5	19-12-90	99	11,5	1,4	5,2
	08-02-91	24	11,2	5,5	48,6
	21-02-91	29	29,0	5,5	30,1
	15-03-91	17	19,2	1,4	51,2
	30-04-91	0	5,0	0,5	13,4
	11-06-91	0	6,2	2,6	49,3
	15-07-91	17	34,2	5,5	148,9
2P 0.5	20-09-91				
	12-10-91				
	04-11-91				
	25-11-91	0	5,7	8,9	545,0
	24-01-92	0	5,8	6,6	219,0
3P 0.5	20-09-91				
	12-10-91				
	04-11-91	0	10,6	3,1	25,1
	25-11-91	0	4,9	1,5	27,7
	24-01-92	0	3,3	3,3	124,0
P 1.5	19-12-90	101	6,5	2,4	2,3
	08-02-91	21	8,6	7,2	27,9
	21-02-91	30	30,0	7,6	52,7
	15-03-91	24	5,2	1,4	39,1
	30-04-91	13	2,5	8,3	28,8
	11-06-91	0	4,9	2,4	56,7
	15-07-91	0	3,8	2,3	34,3
2P 1.5	20-09-91	29	9,5	2,2	78,1
	12-10-91				
	04-11-91	18	3,7	1,4	22,2
	25-11-91	0	10,3	1,4	50,3
	24-01-92	0	7,3	5,2	160,0
3P 1.5	20-09-91	39	8,5	7,8	68,4
	12-10-91				
	04-11-91	32	10,5	3,6	22,4
	25-11-91	0	9,3	2,7	30,4
	24-01-92	0	3,8	1,6	36,8
P 2.5	19-12-90	15	1,2	0,6	0,0
	08-02-91	18	6,1	4,2	14,9
	21-02-91	22	22,0	3,7	28,0
	15-03-91	0	2,8	0,0	23,0
	30-04-91	24	11,6	1,6	44,7
	11-06-91	0	3,5	4,5	150,7
	15-07-91	0	5,5	3,7	84,0

METALES PESADOS EN ZNS. Tomamuestras PVC. (ppb)

MUESTRA	F. ANALIS	Zn	Cu	Mn	Fe
3P 2.5	20-09-91	40	16,1	3,8	59,6
	12-10-91				
	04-11-91	19	11,0	2,0	20,2
	25-11-91	0	4,4	2,6	43,7
	24-01-92	0	7,5	1,1	11,8
2P 3.4	19-12-90	122	3,4	0,8	6,5
	08-02-91	0	2,0	4,7	7,3
	21-02-91	0	0,0	1,9	9,5
	15-03-91	0	8,9	0,0	16,1
	30-04-91	0	5,7	3,5	
	11-06-91	0	1,6	0,3	10,7
	15-07-91	0	2,2	1,5	13,1
	20-09-91	32	8,9	2,5	13,8
	12-10-91				
	04-11-91	0	1,6	0,9	24,5
	25-11-91	0	0,8	1,1	17,3
	24-01-92	0	1,0	0,9	21,3

METALES PESADOS EN ZNS Tomamuestras Teflón. (ppb)

MUESTRA	F.ANALIS	Zn	Cu	Mn	Fe
M 0.2	19-12-90	113	12,7	1,4	19,3
	08-02-91	0	5,6	3,7	18,8
	21-02-91				
	15-03-91				
	30-04-91	0	12,6	3,0	79,4
	11-06-91	0			
	15-07-91				
M 0.5	19-12-90	69	12,7	13,0	125,9
	08-02-91	17	10,2	4,1	16,3
	21-02-91	12	12,0	7,8	343,8
	15-03-91	0	2,3	1,3	471,3
	30-04-91	0	3,9	0,7	17,5
	11-06-91	0	8,2	6,0	91,5
	15-07-91	74	17,1	4,1	44,9
4M 0.5	20-09-91				
	12-10-91				
	04-11-91				
	25-11-91	0	10,2	8,1	176,0
	24-01-92	0	6,2	5,1	91,1
1M 1.0	20-09-91				
	12-10-91				
	04-11-91	19	9,9	181,0	76,3
	25-11-91	0	15,9	17,9	81,7
	24-01-92	0	11,2	18,4	250,0
M 1.5	19-12-90	72	5,2	2,3	167,3
	08-02-91	11	5,4	4,8	14,4
	21-02-91	60	60,0	9,4	23,2
	15-03-91	12		0,4	21,7
	30-04-91	0	4,2	1,2	24,5
	11-06-91	0	2,5	1,8	55,6
	15-07-91				
1M 1.5	20-09-91	208	149,0	12,9	185,0
	12-10-91				
	04-11-91	0	4,0	2,9	22,7
	25-11-91	31	20,2	18,3	515,0
	24-01-92	0	3,1	2,1	16,1
4M 1.5	20-09-91				
	12-10-91				
	04-11-91				
	25-11-91				
	24-01-92				

METALES PESADOS EN ZNS Tomamuestras Teflón. (ppb)

MUESTRA	F.ANALIS	Zn	Cu	Mn	Fe
M 2.5	19-12-90	86	9,3	1,3	8,0
	08-02-91	17	5,8	4,3	14,4
	21-02-91	10	10,0	1,5	3,4
	15-03-91	21	3,8	2,8	59,0
	30-04-91	0	4,2	1,5	20,4
	11-06-91	0	6,6	5,6	97,7
	15-07-91	0	11,9	2,8	70,7
1M 2.5	20-09-91				
	12-10-91				
	04-11-91	0	4,1	2,5	18,4
	25-11-91				
	24-01-92	0	3,8	1,3	16,8
4M 2.5	20-09-91	30	13,7	3,8	66,4
	12-10-91				
	04-11-91				
	25-11-91	0	25,1	34,5	1218,0
	24-01-92	0	5,1	1,9	66,7

### **1.3. PLAGUICIDAS**

KELTANO (ppb). Tomamuestras Teflón

F.APLICA	F.ANALIS	M O.2	M 0.5	4M 0.5	1M 1.0	M 1.5	1M 1.5	4M 1.5	M 2.5	1M 2.5	4M 2.5
30-01-91	19-12-90		0			0			0,63		
	08-02-91		0			0			0		
29-05-91	21-02-91		0			0			0		
	15-03-91		0			0			0		
	30-04-91		0			0			0		
	11-06-91		0			0			0		
	15-07-91		0			0			0		
04-10-91	20-09-91	Elimin.					0			0	0
	12-10-91			0	9,8		0			0	0
	28-10-91				4,3		0			0	0
	22-11-91				0		0			0	0
	13-01-92			0	0		0			0	0









FENITROTION (ppb). Tomamuestras Teflón

F.APLICA	F.ANALIS	M O.2	M 0.5	4M 0.5	1M 1.0	M 1.5	1M 1.5	4M 1.5	M 2.5	1M 2.5	4M 2.5
29-05-91	19-12-90		0			0			0,42		
	08-02-91	0	0			0			0		
	21-02-91		0			0			0		
	15-03-91		0			0			0		
	30-04-91		0			0			0		
	11-06-91		0,3			0,2			0		
	15-07-91		0			0			0		
	20-09-91	Elimin.						0		0	0
	12-10-91				0	0		0		0	0
	28-10-91					0		0		0	0
	22-11-91					0		0		0	0
	13-01-92				0	0		0		0	0

FENITROTION (ppb). Tomamuestras PVC

F.APLIC	F.ANALI	P 0.5	2P 0.5	3P 0.5	P 1.5	2P 1.5	3P 1.5	P 2.5	3P 2.5	2P 3.4
	19-12-90	0			0			0		
	08-02-91	0			0			0		0
	21-02-91	0			0			0		0
	15-03-91	0			0			0		0
	30-04-91	0			0			0		0
29-05-91										
	11-06-91				0,6			0		0
	15-07-91	0			0			0		0
	20-09-91					0			0	0
	12-10-91		0	0		0	0		0	0
	28-10-91			0		0	0		0	0
	22-11-91		0	0		0	0		0	0
	13-01-92		0	0		0	0		0	0

TETRADIFON (ppb). Tomamuestras Teflón

F.APLICA	F.ANALIS	M O.2	M 0.5	4M 0.5	1M 1.0	M 1.5	1M 1.5	4M 1.5	M 2.5	1M 2.5	4M 2.5
30-01-91	19-12-90		0			0,34			0,18		
	08-02-91	0,7	0,2			0,2			0,3		
	21-02-91		0,6			0		0,2			
29-05-91	15-03-91		0			0			0,75		
	30-04-91		0,45			0,31			0,41		
	11-06-91		0,8			0,9			0		
	15-07-91		0,7			0,3			0		
04-10-91	20-09-91	Elimin.					0			0	0
	12-10-91			0	10,4		0			0	0
	28-10-91				0,4		0			0,6	0
	22-11-91				0		0			0	0
	13-01-92			0,34	0,27		0,14			0	0
	21-04-92			0	0		0,05	0,17		0	
	13-05-92						0			0	0,13
	19-06-92				0		0			0	



DIMETOATO (ppb). Tomamuestras Teflón

F.APLICACION	F.ANALISIS	M O.2	M 0.5	4M 0.5	1M 1.0	M 1.5	1M 1.5	4M 1.5	M 2.5	1M 2.5	4M 2.5
30-01-91	19-12-90	0	0			0			0,16		
	08-02-91	513	126			40			1,1		
	21-02-91		36			28,9			0,7		
	15-03-91		2,37			19,8			7,92		
29-05-91	30-04-91		0			0,84			0,58		
	11-06-91		31			15,7			0		
	15-07-91		23,2			0,2			0		
4-10-91	20-09-91	Elimin.						0,16		0,11	0
	12-10-91			0,4	145,6		0,8			0,4	0,1
	28-10-91				33,5		0,1			1,6	0
10-03-92	22-11-91				0		0			0	0
	13-01-92			0,09	0		0,1			0	0
	21-04-92			0	0,08		0,08	0,17			
	13-05-92						0,06			0,9	0,06
	19-06-92				0		1,02			0	

DIMETOATO (ppb). Tomamuestras PVC

F.APLICA	F.ANALIS	P 0.5	2P 0.5	3P 0.5	P 1.5	2P 1.5	3P 1.5	3P 2.5	2P 3.4
30-01-91	19-12-90	0			0			0	0
	08-02-91	68			66			0,9	0,9
	21-02-91	23,4			56,8			0	0
	15-03-91	3,86			47,1			0,43	0,09
	30-04-91	0			0			0	0
29-05-91	11-06-91				29,6			0,1	0
	15-07-91				1,7			1	0
	20-09-91					0		0	0
	4-10-91								
10-03-92	12-10-91		6,7	0,2		242,7	0,3	0,04	0,7
	28-10-91			0		25	0	0,1	0,1
	22-11-91		9,755	0,07		1,22	0	0	0,03
	13-01-92		0,04	0,46		0,21	0	0	0
	21-04-92		0,09				0	0,03	0,04
13-05-92		0,13	0,02		1,19	0,01	0	0,03	
19-06-92		0					0	0	

METIDATION (ppb). Tomamuestras Teflón

APLICAC	F.ANALIS	M O.2	M 0.5	4M 0.5	1M 1.0	M 1.5	1M 1.5	4M 1.5	M 2.5	1M 2.5	4M 2.5
30-01-91	19-12-90	0	0			0			0		
	08-02-91	69	5			0,2			0		
	21-02-91		1,2			0		0			
29-05-91	15-03-91		0,53			0,53			0		
	30-04-91		0			0			0		
	11-06-91		0			0			0		
	15-07-91		0			0			0		
	20-09-91	Elimin.					0			0	0
04-10-91											
10-03-92	12-10-91			0	31,5		0			0	0
	28-10-91				18,5		0			0	0
	22-11-91				10,2		0			0	0
	13-01-92			0	1,34		0,07			0	0
	21-04-92			0,31	0,18		0,07	0,13		0	
	13-05-92						0				0
	19-06-92				1,7		1,19			0	





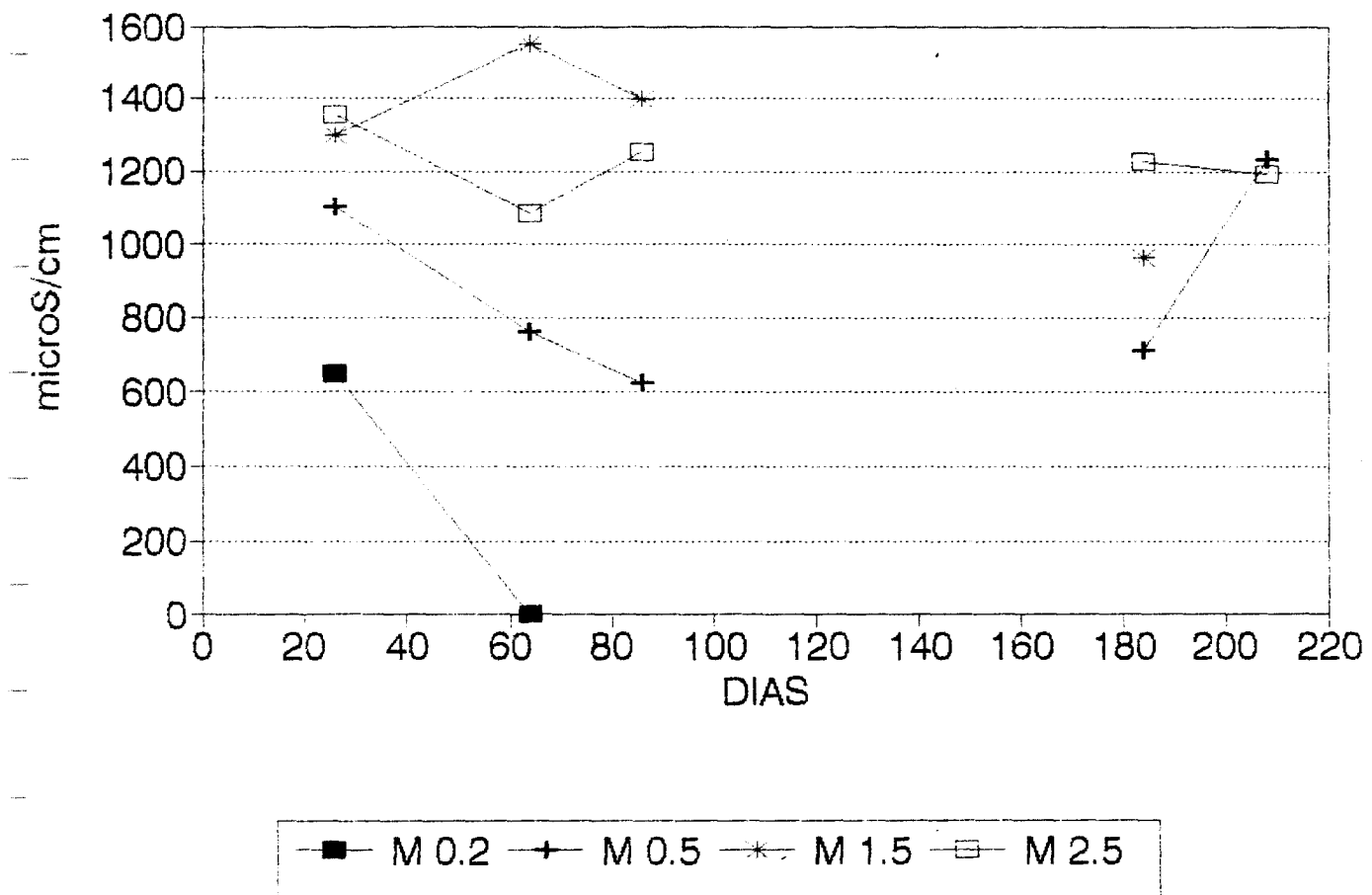
## **A N E X O 2**

**Gráficos de evolución de la zona no saturada**

## **2.1. INORGANICOS**

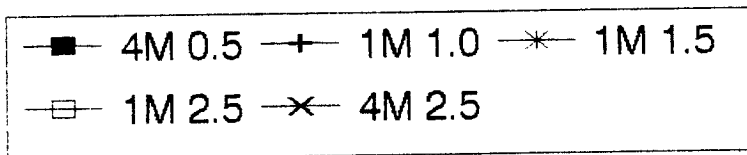
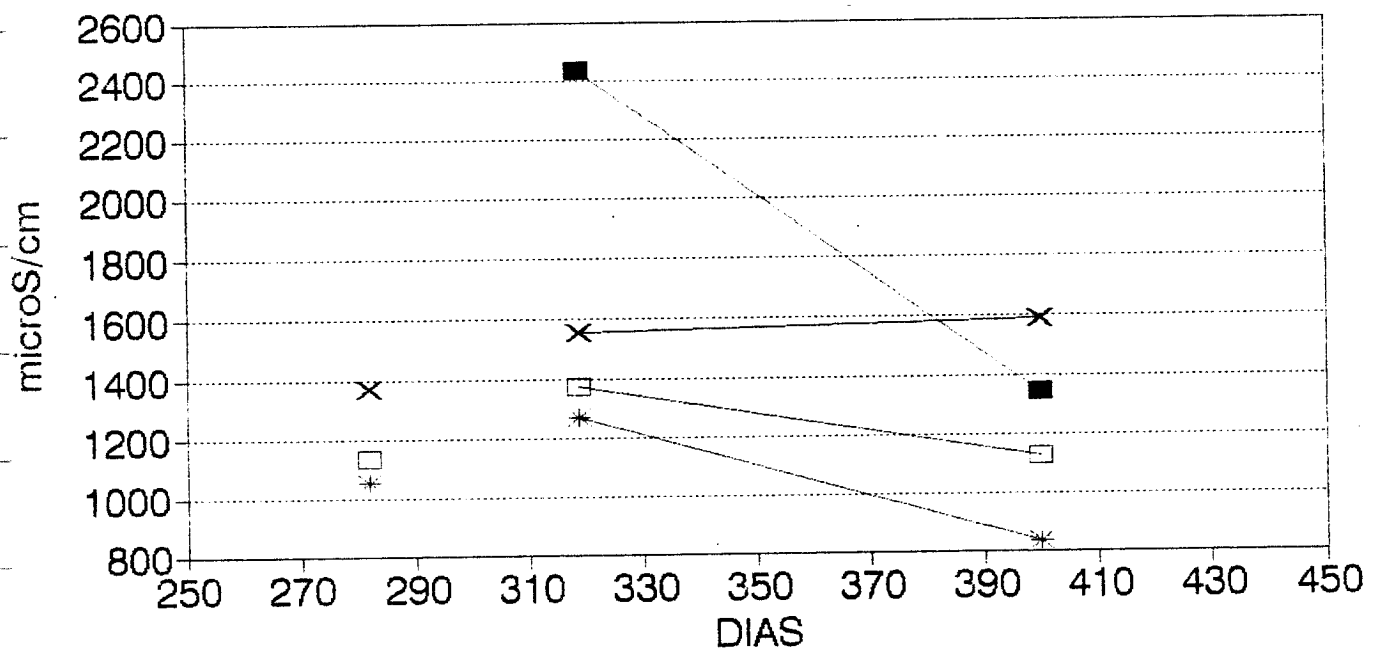
# CONDUCTIVIDAD

## Tomamuestras Teflón (1ª fase)



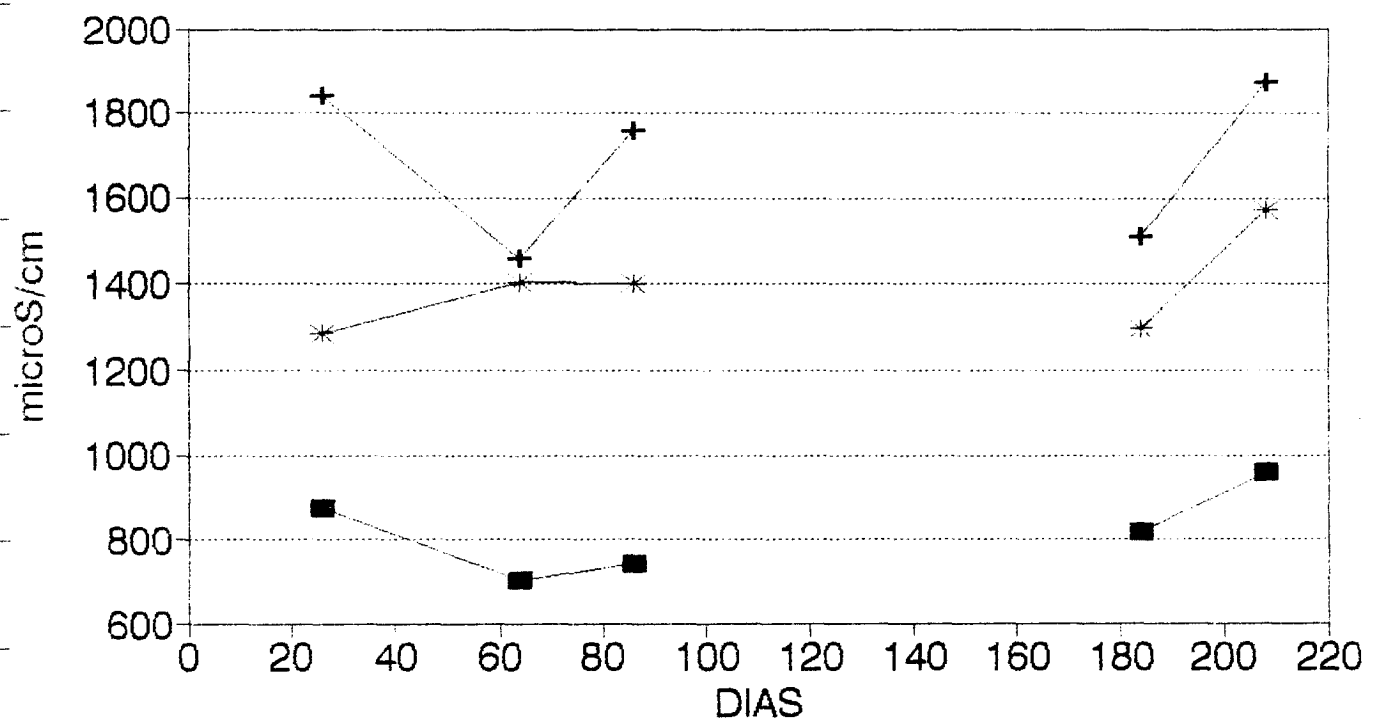
# CONDUCTIVIDAD

## Tomamuestras Teflón (2ª fase)



# CONDUCTIVIDAD

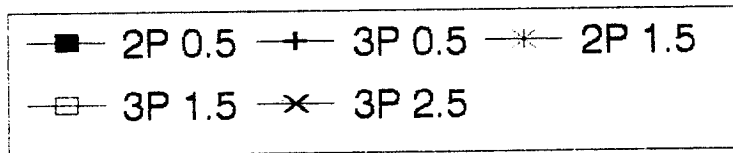
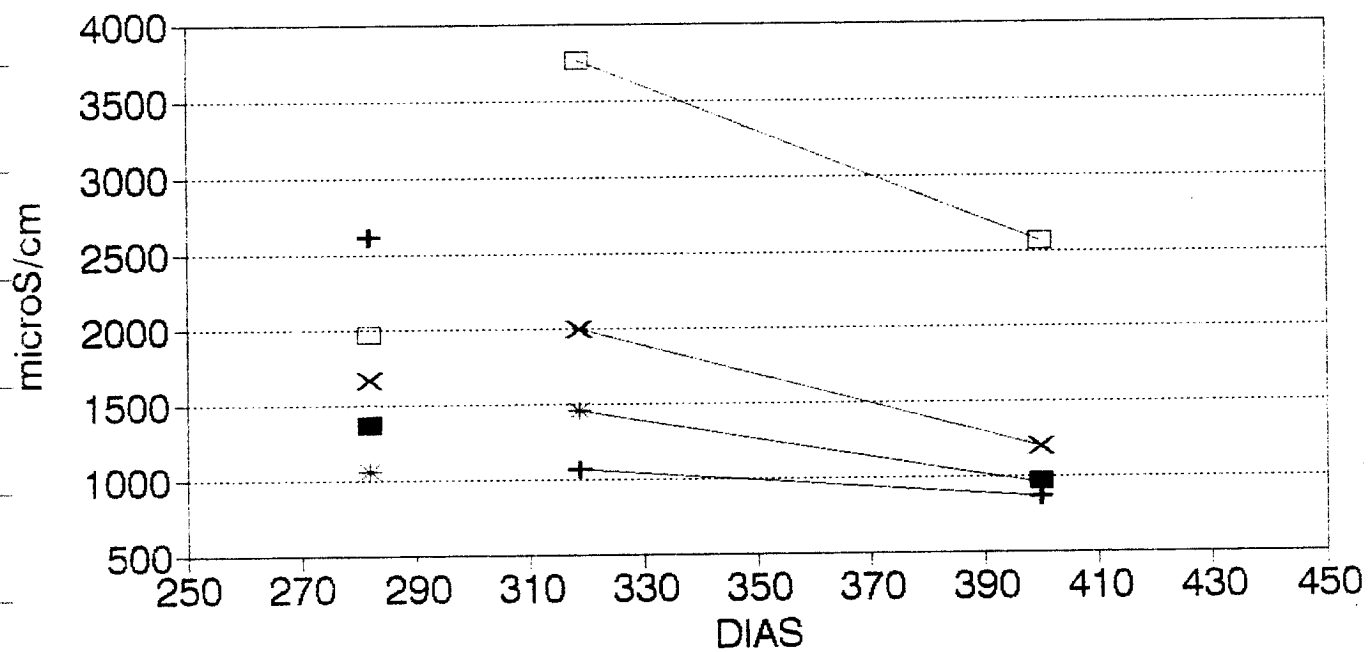
## Tomamuestras PVC (1ª fase)



—■— P 0.5 —+— P 1.5 —\*— P 2.5

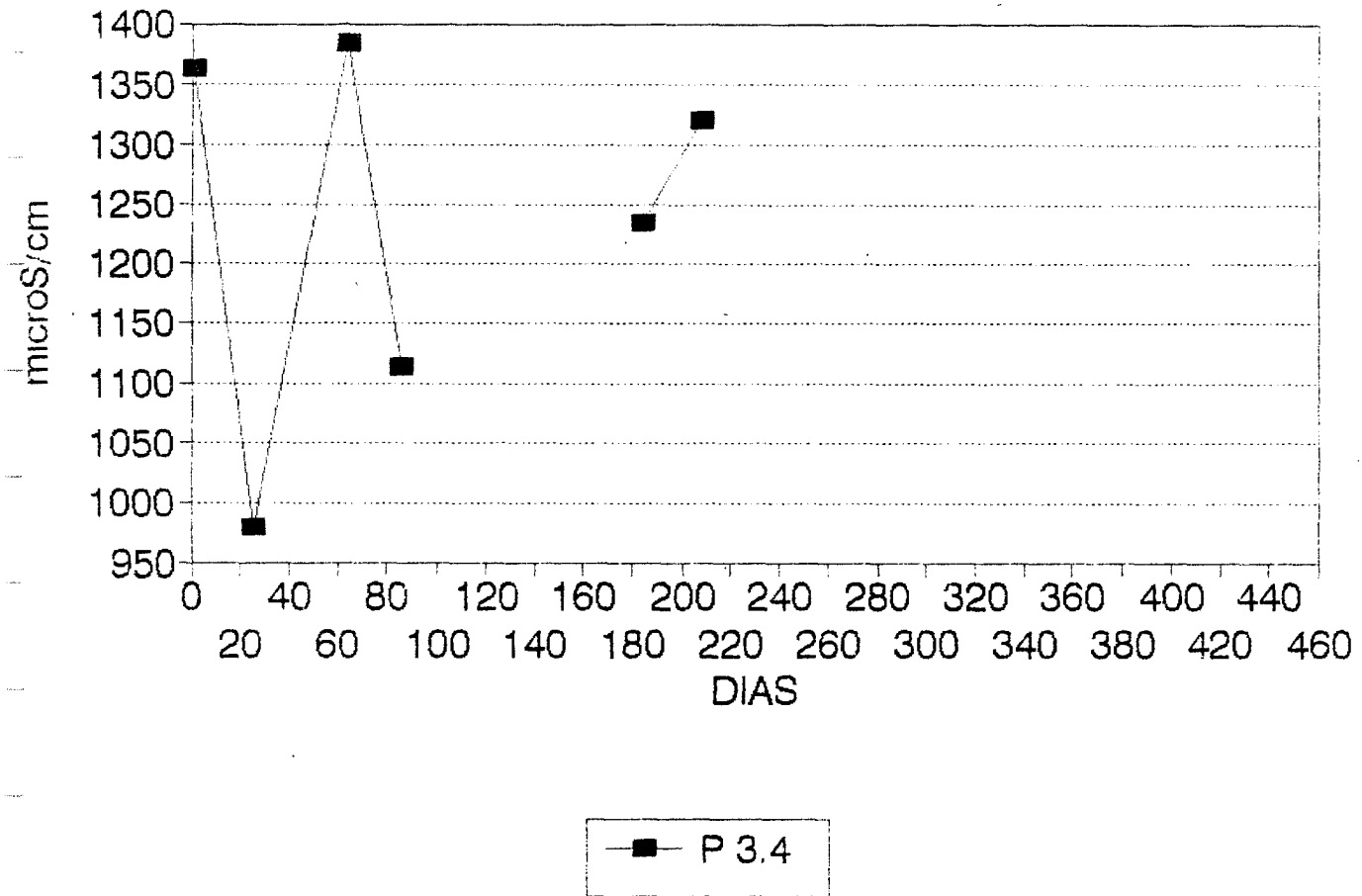
# CONDUCTIVIDAD

## Tomamuestras PVC (2ª fase)



# CONDUCTIVIDAD

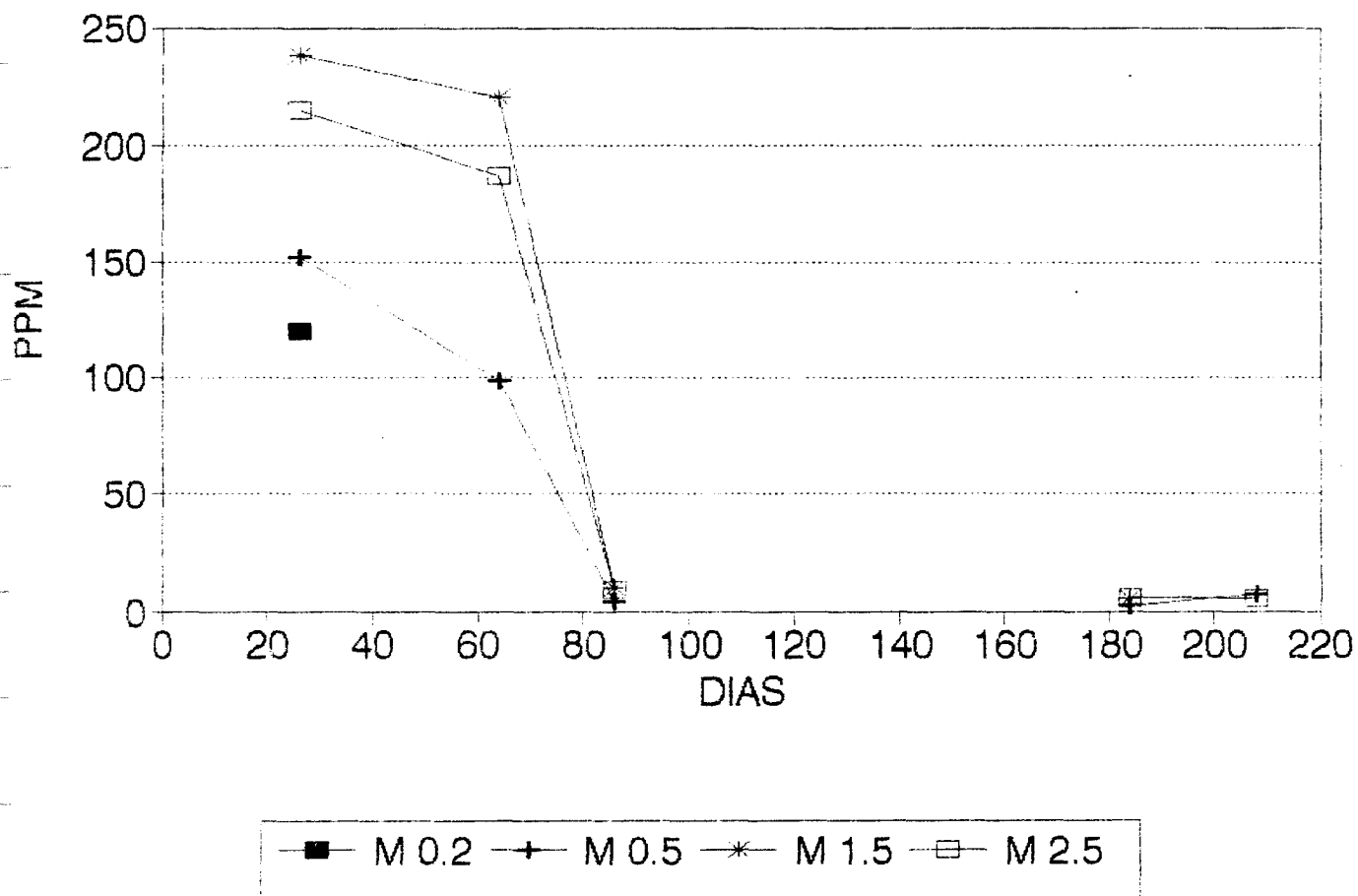
## Tomamuestras P 3.4





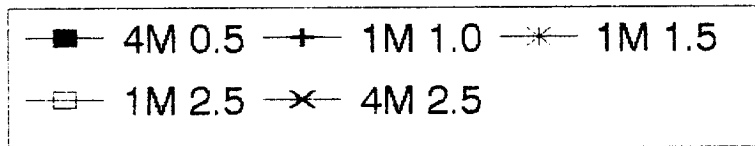
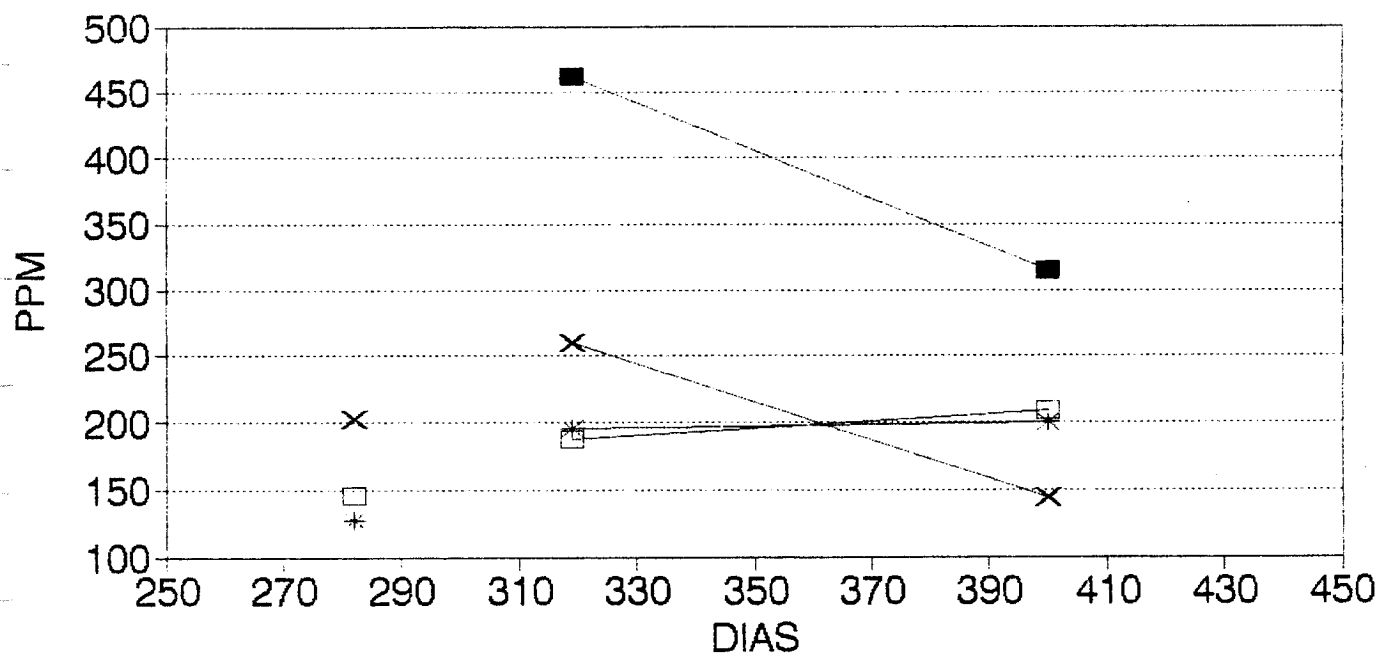
# CALCIO

Tomamuestras Teflón (1ª fase)



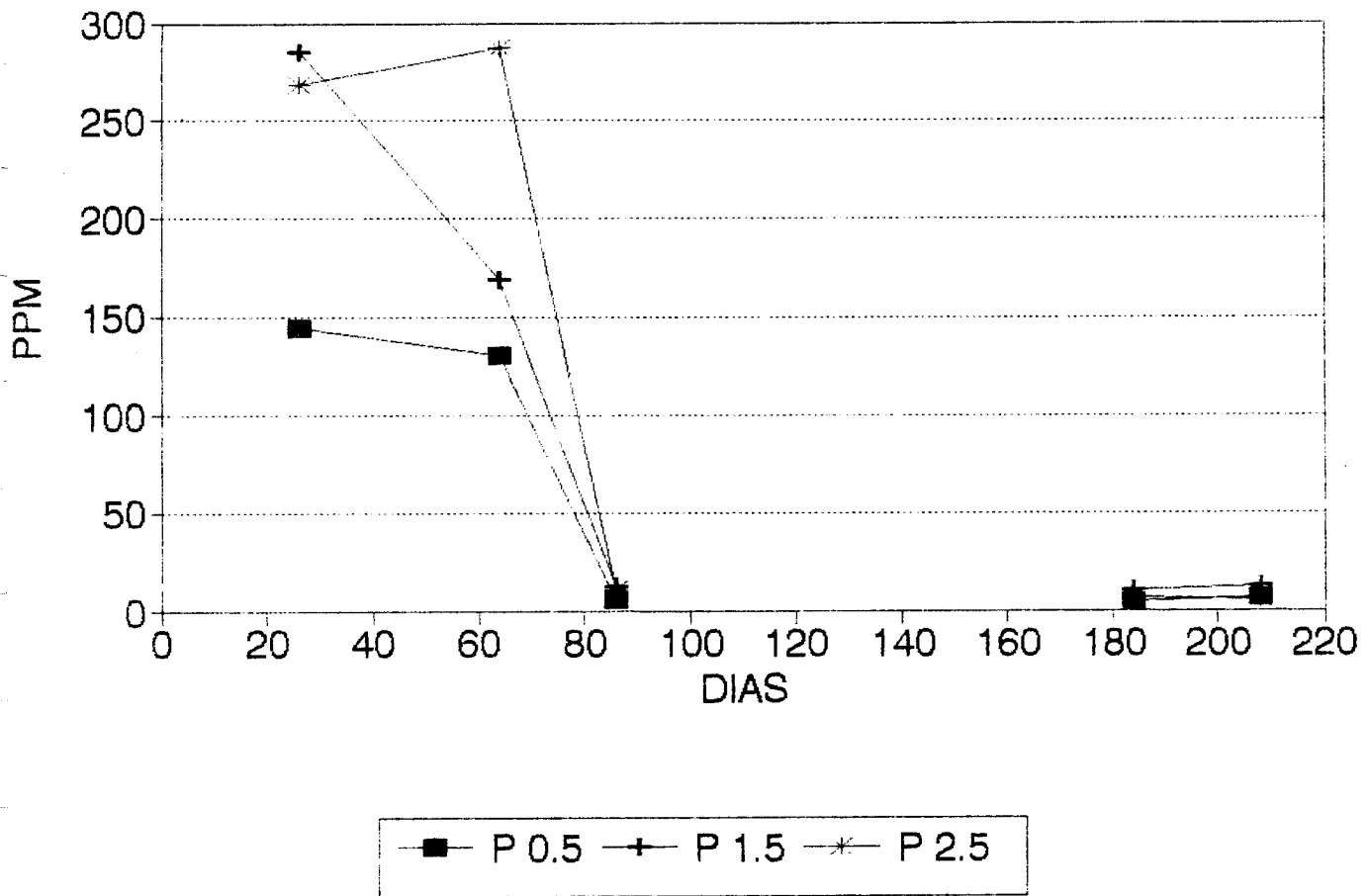
# CALCIO

## Tomamuestras Teflón (2ª fase)



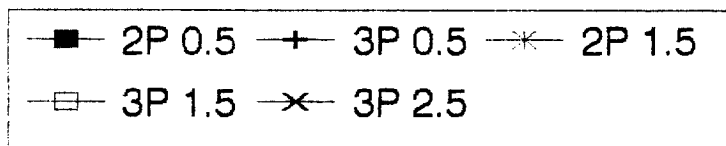
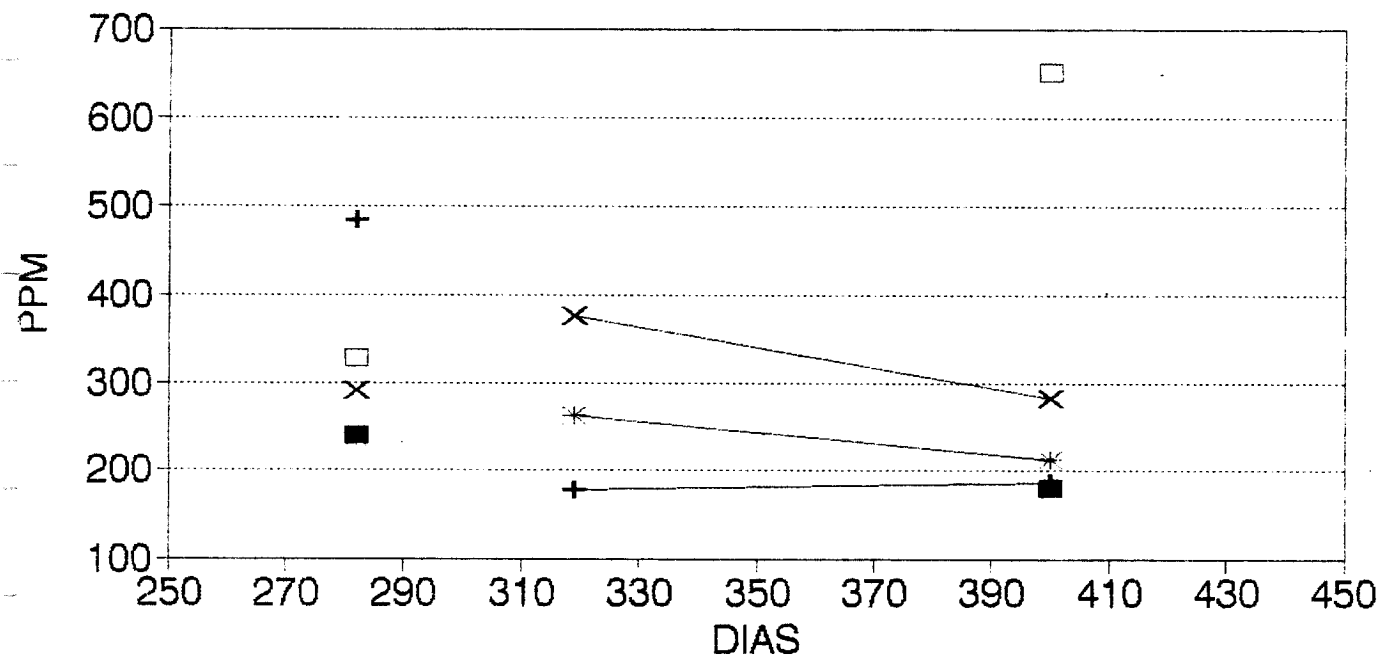
# CALCIO

## Tomamuestras PVC (1ª fase)



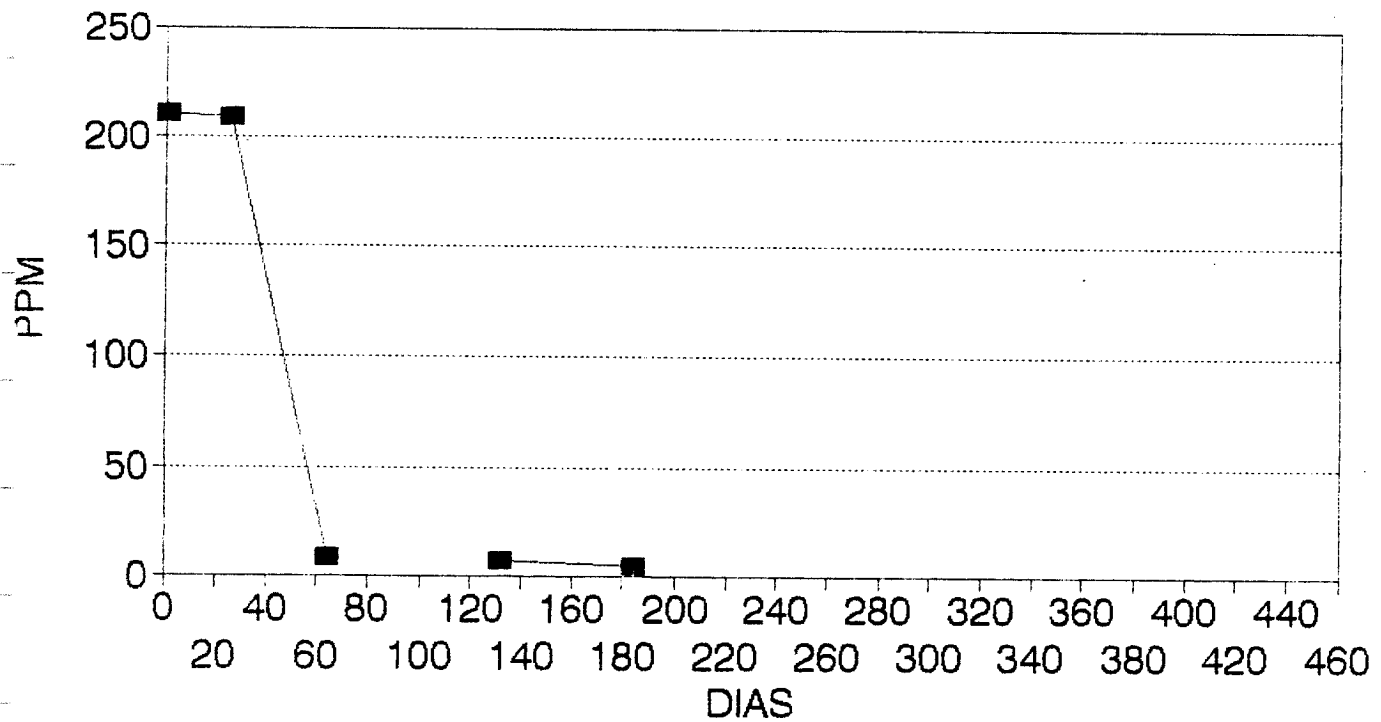
# CALCIO

## Tomamuestras PVC (2ª fase)



# CALCIO

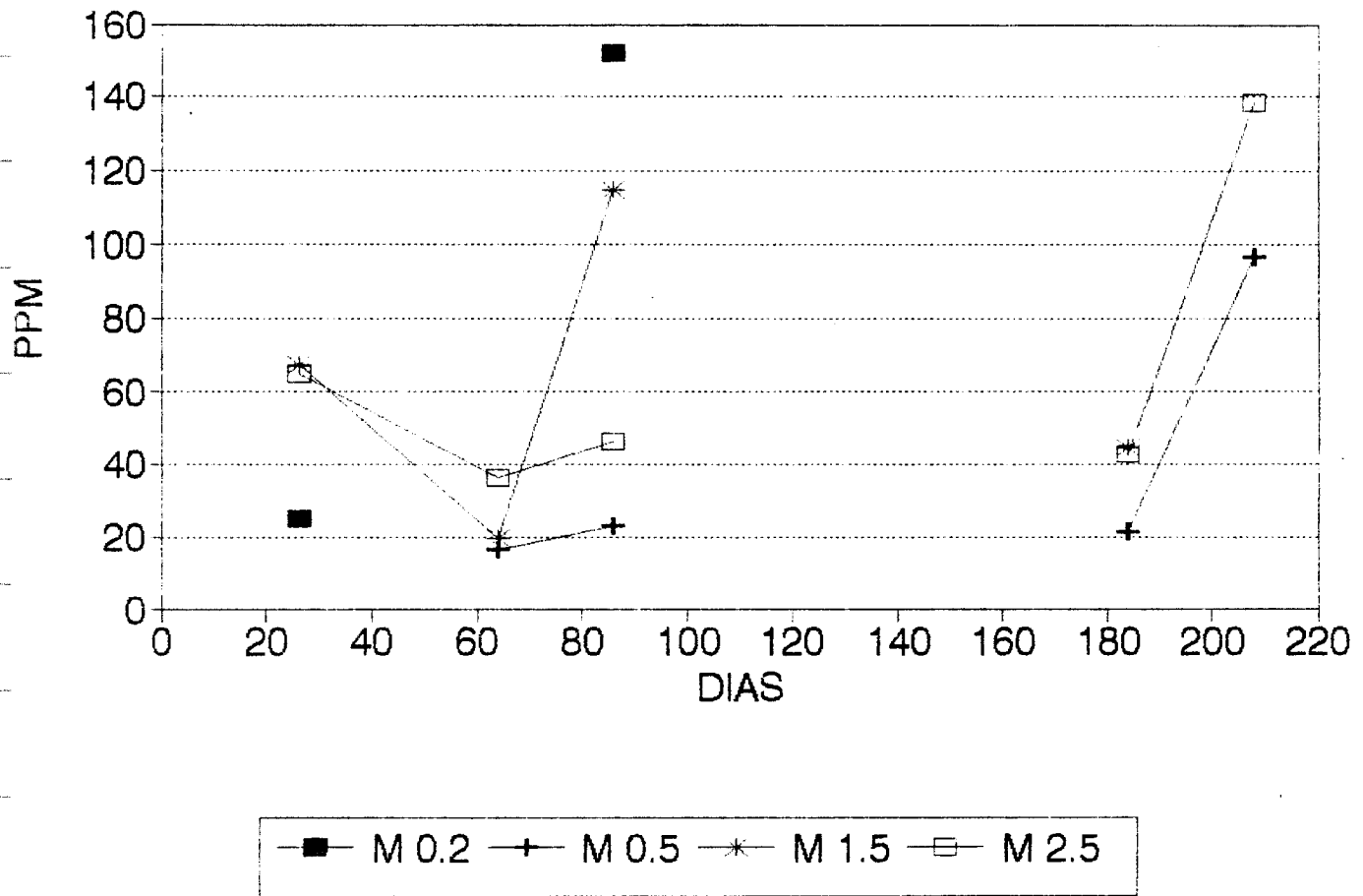
## Tomamuestras P 3.4



—■— P 3.4

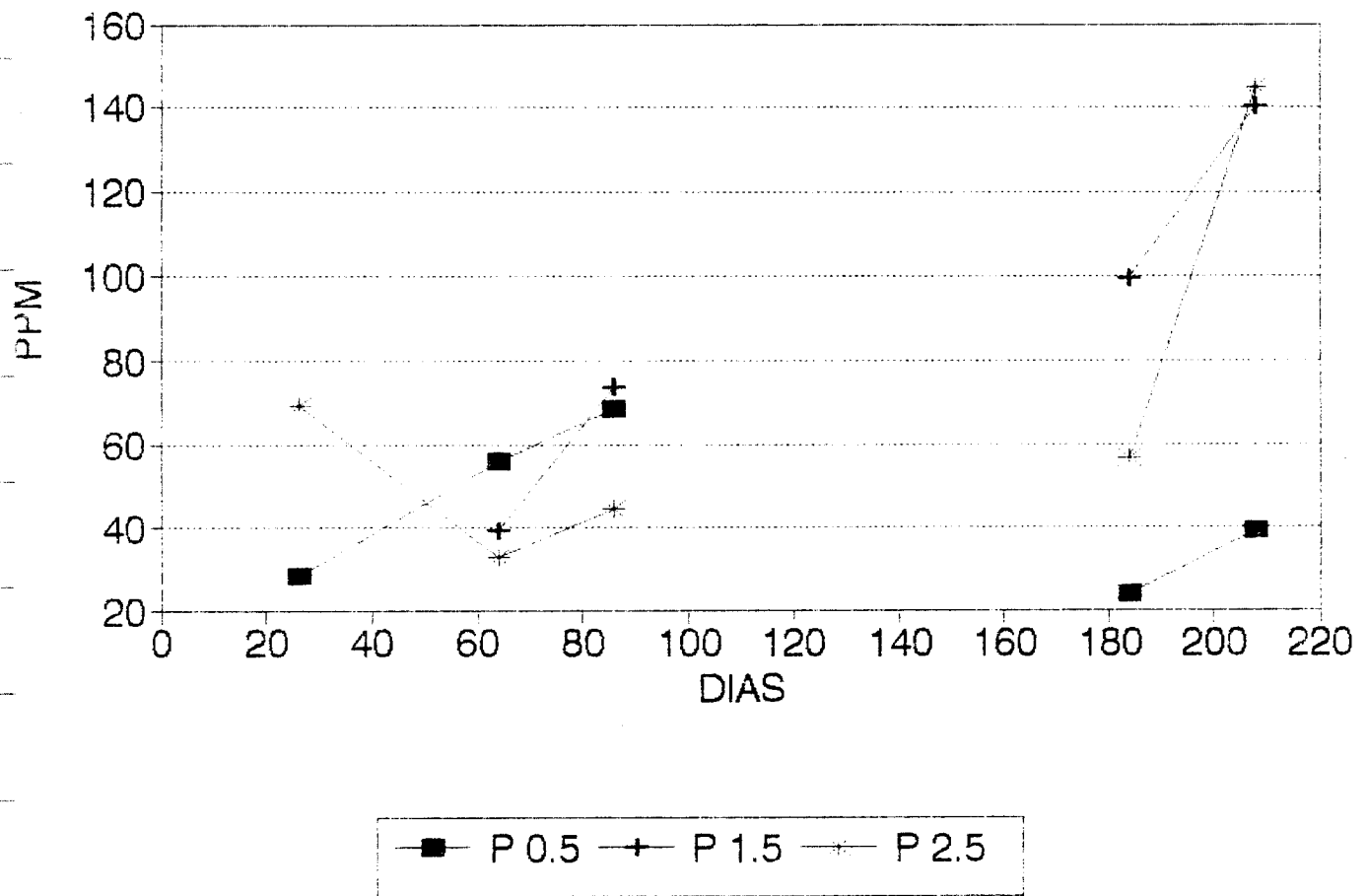
# CLORUROS

## Tomamuestras Teflón (1ª fase)



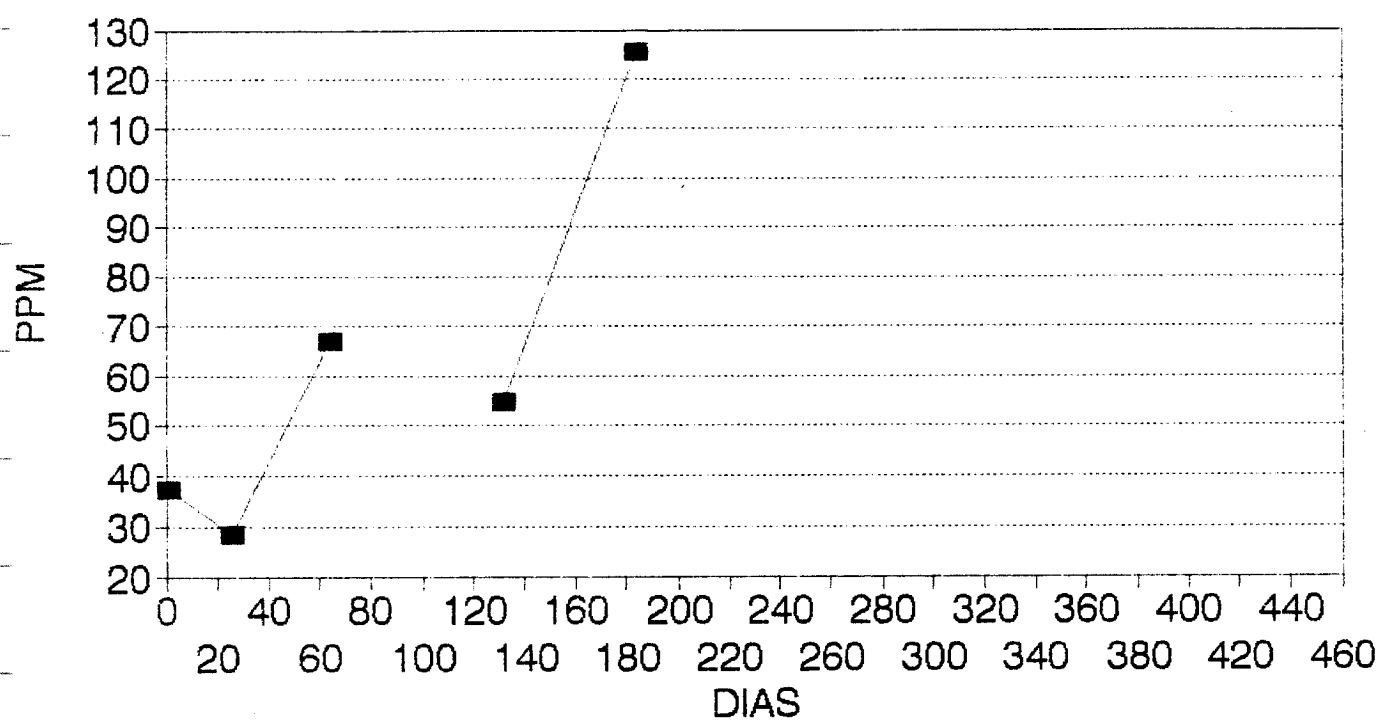
# CLORUROS

## Tomamuestras PVC (1ª fase)



# CLORUROS

Tomamuestras P 3.4

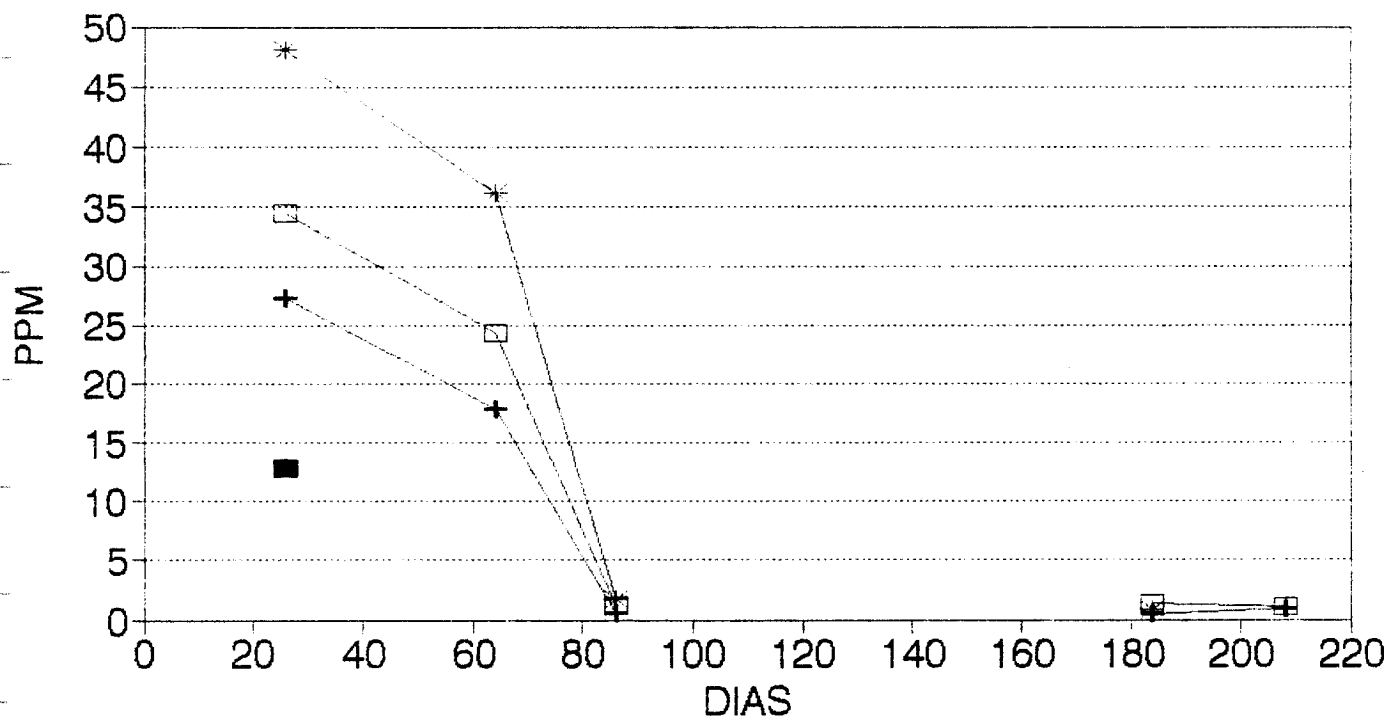


—■— P 3.4



# MAGNESIO

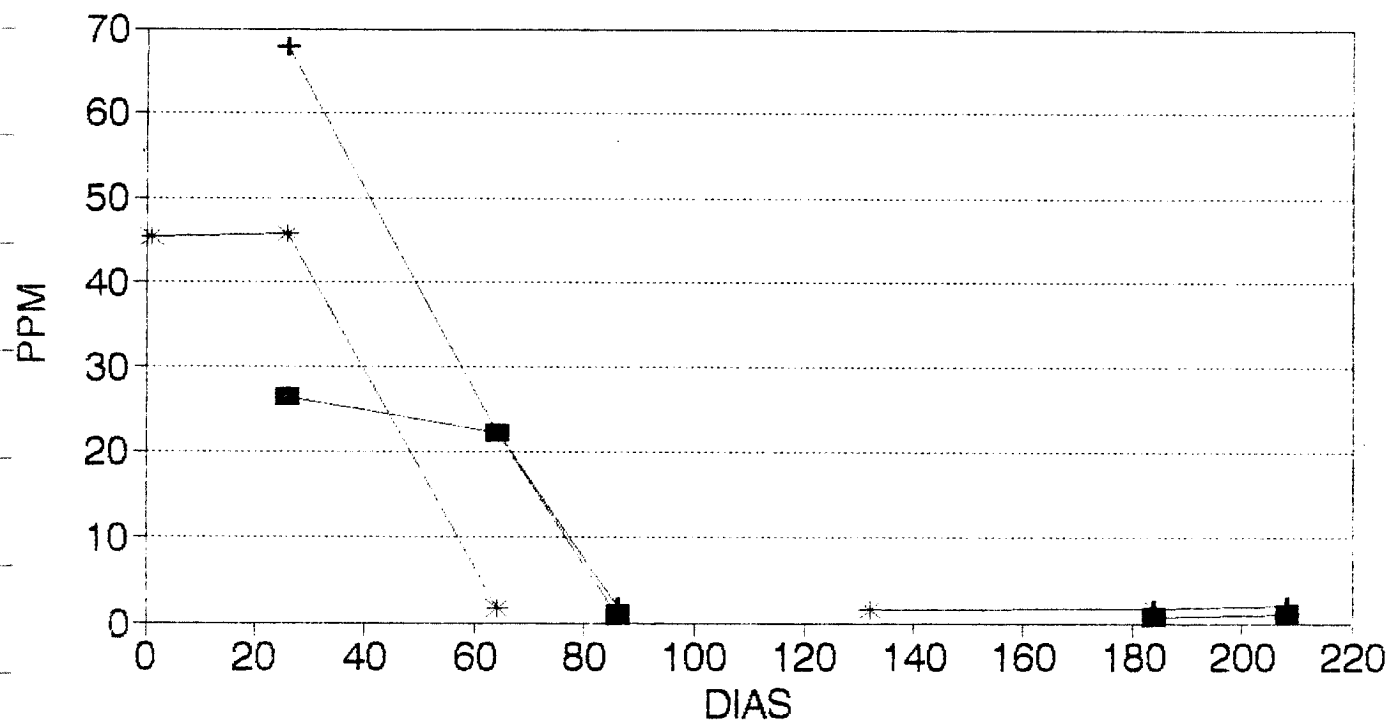
## Tomamuestras Teflón (1ª fase)



■ M 0.2 + M 0.5 \* M 1.5 □ M 2.5

# MAGNESIO

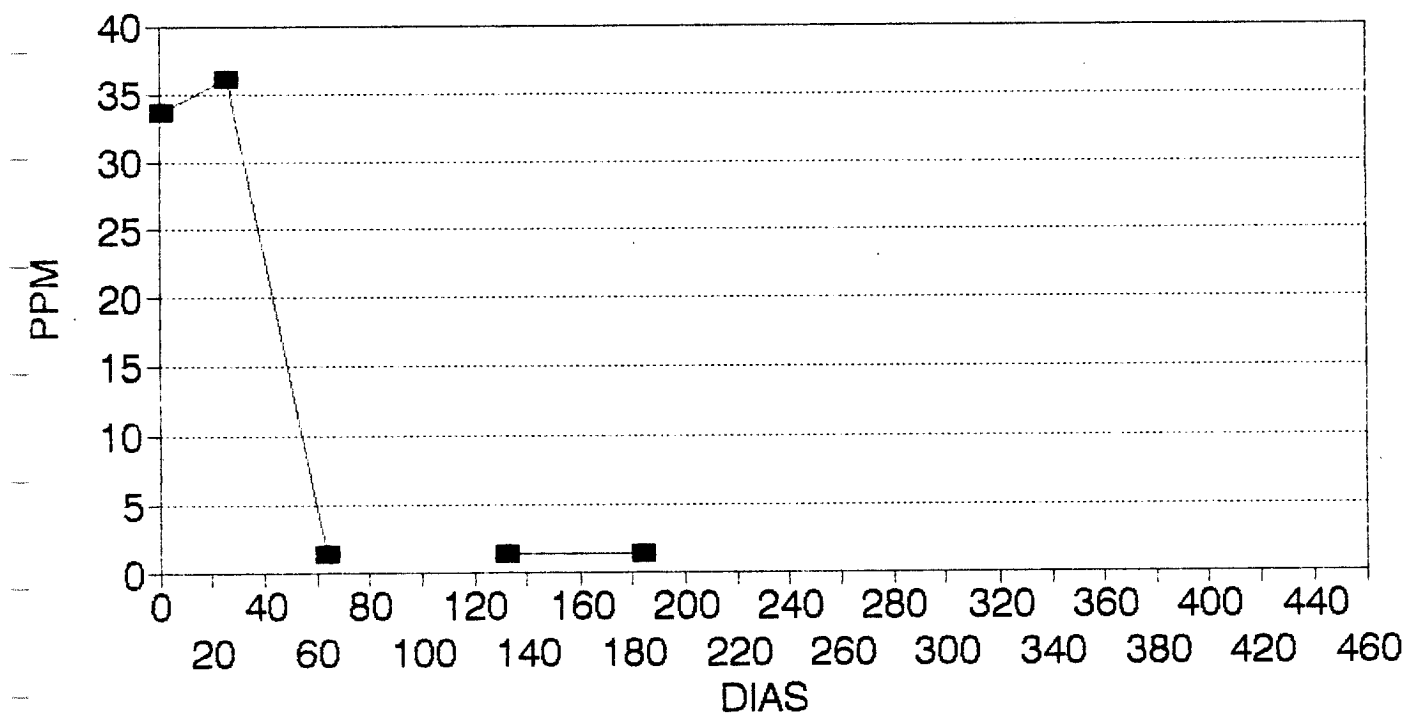
## Tomamuestras PVC (1ª fase)



—■— P 0.5 —+— P 1.5 —\*— P 2.5

# MAGNESIO

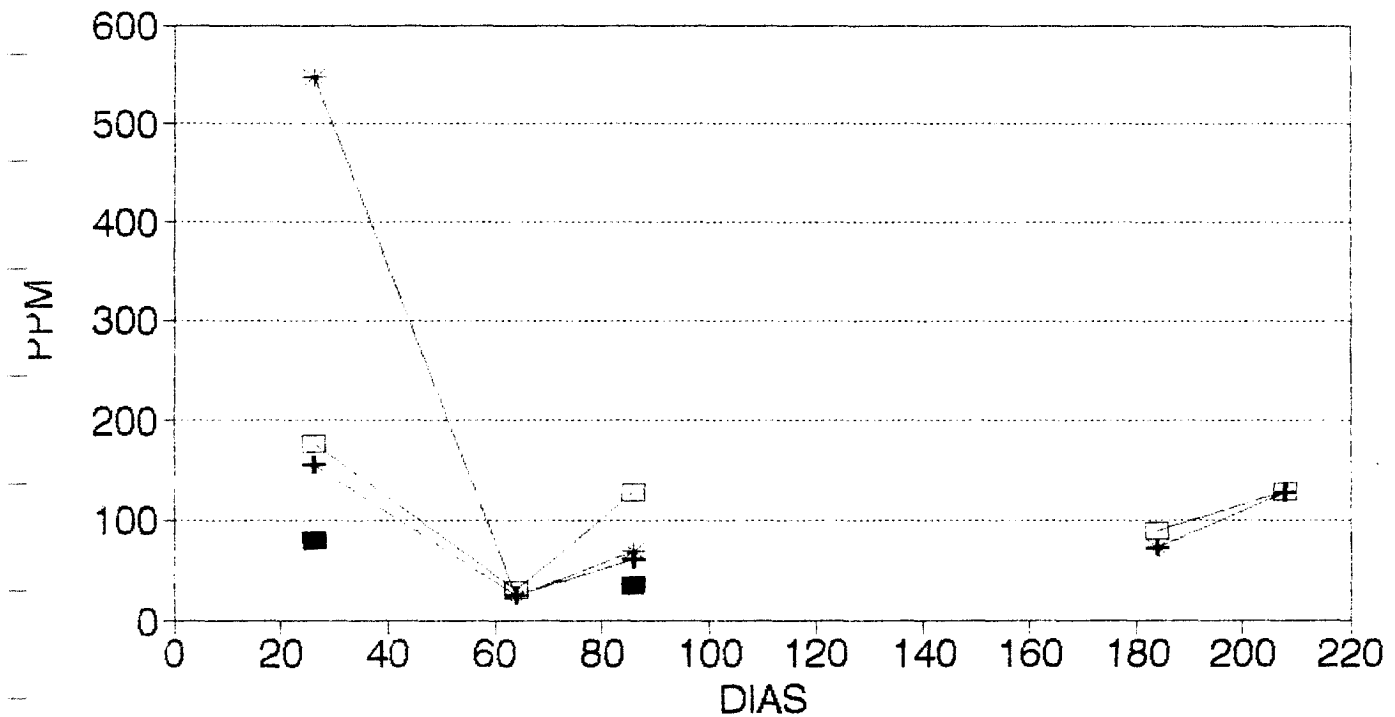
Tomamuestras P 3.4



—■— P 3.4

# NITRATOS

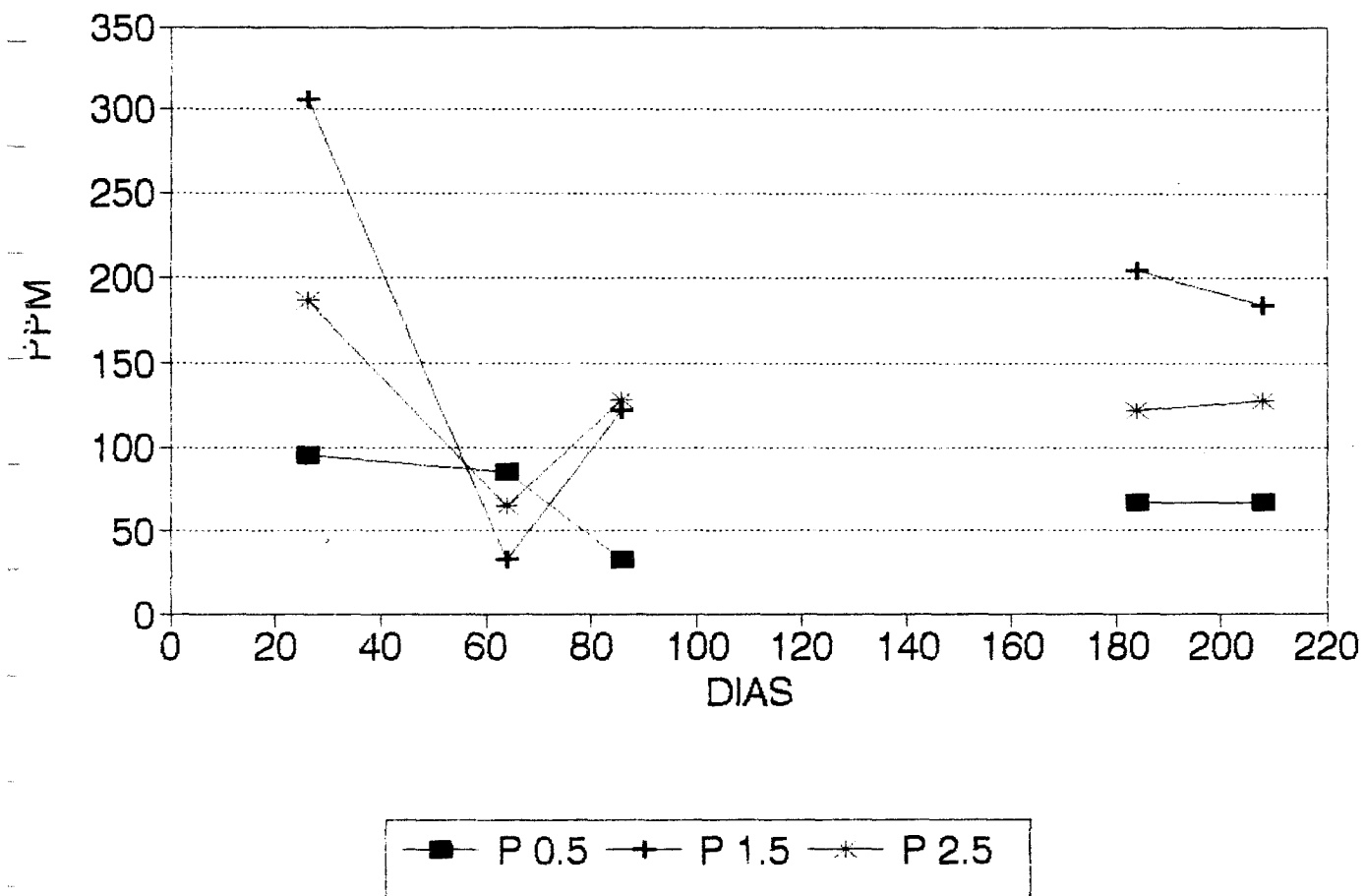
## Tomamuestras Teflón (1ª fase)



■ M 0.2    + M 0.5    \* M 1.5    □ M 2.5

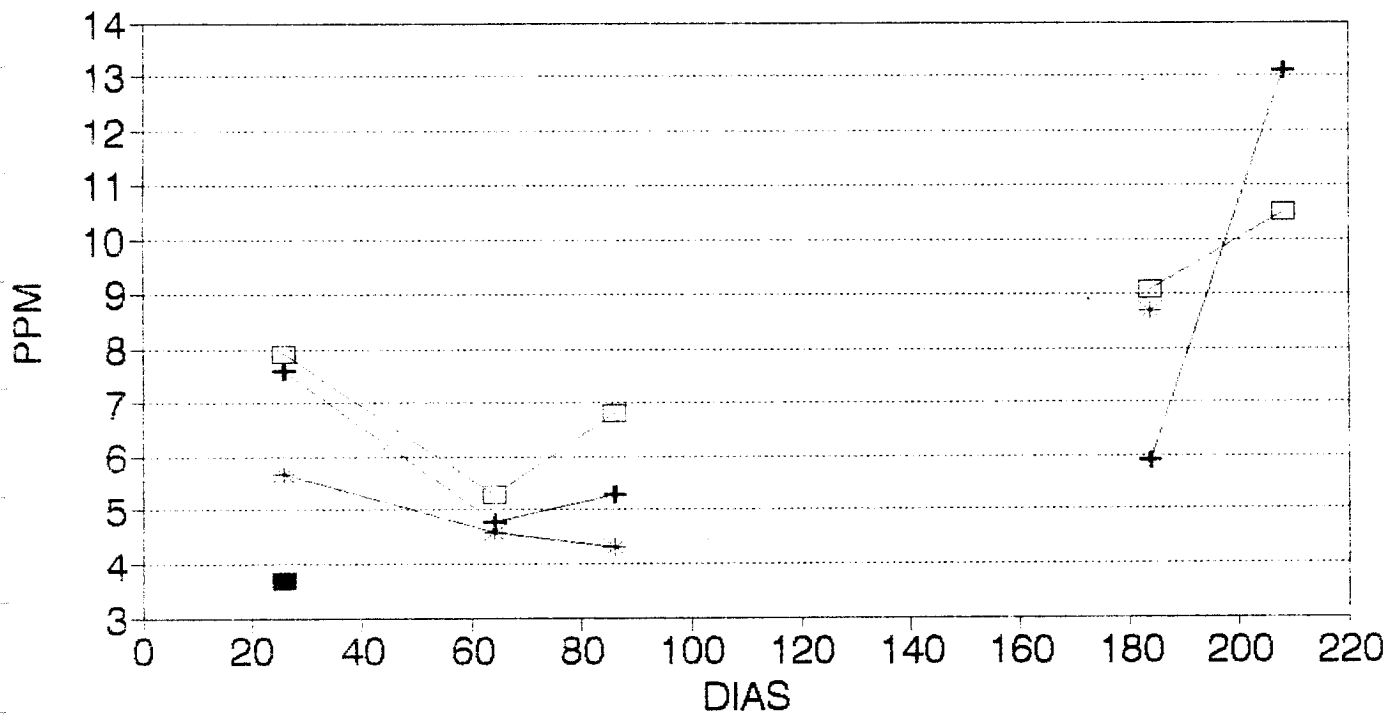
# NITRATOS

## Tomamuestras PVC (1ª fase)



# POTASIO

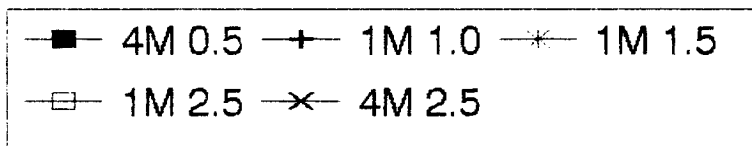
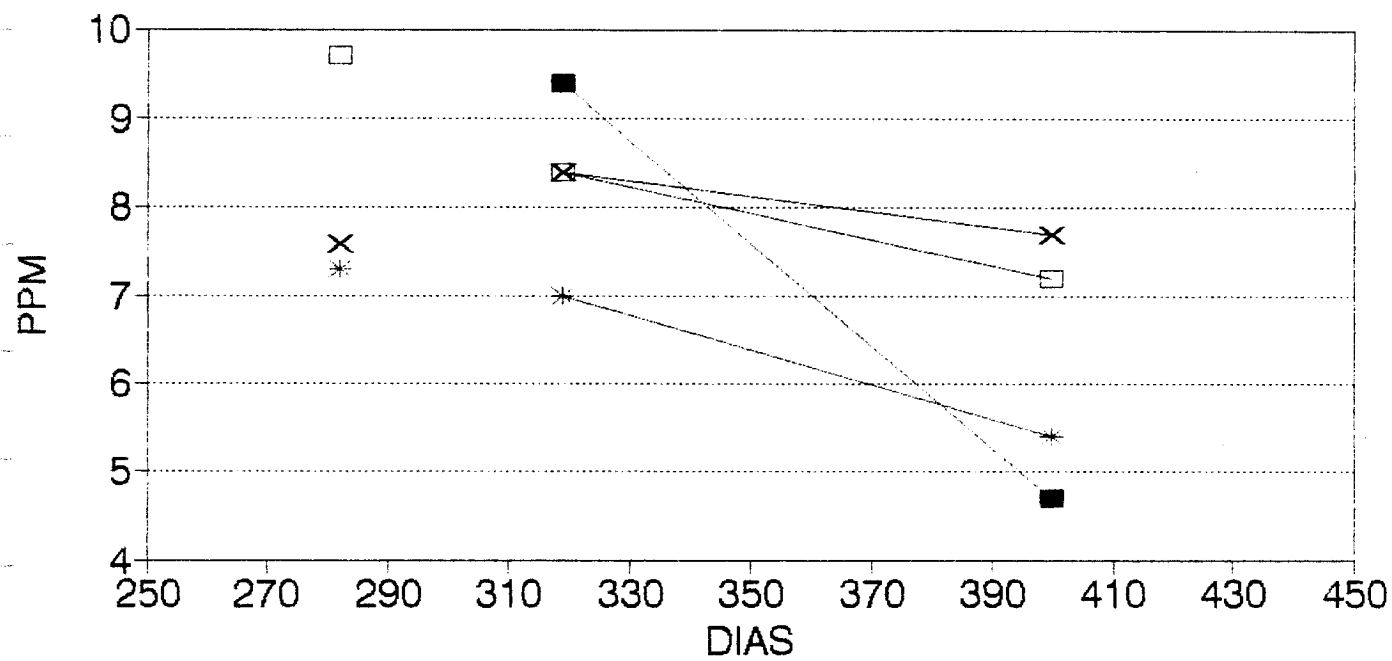
Tomamuestras Teflón (1ª fase)



■ M 0.2    + M 0.5    \* M 1.5    □ M 2.5

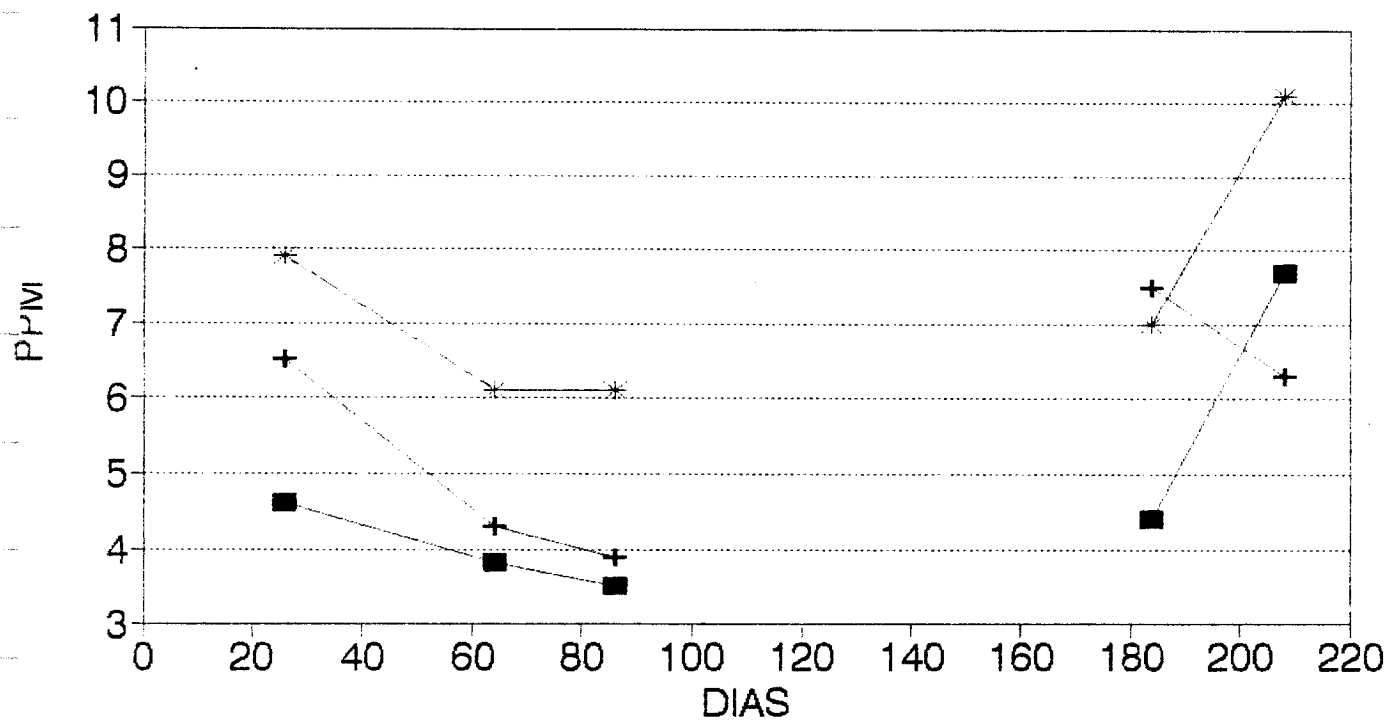
# POTASIO

Tomamuestras Teflón (2ª fase)



# POTASIO

## Tomamuestras PVC (1ª fase)

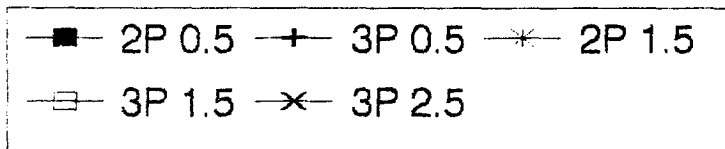
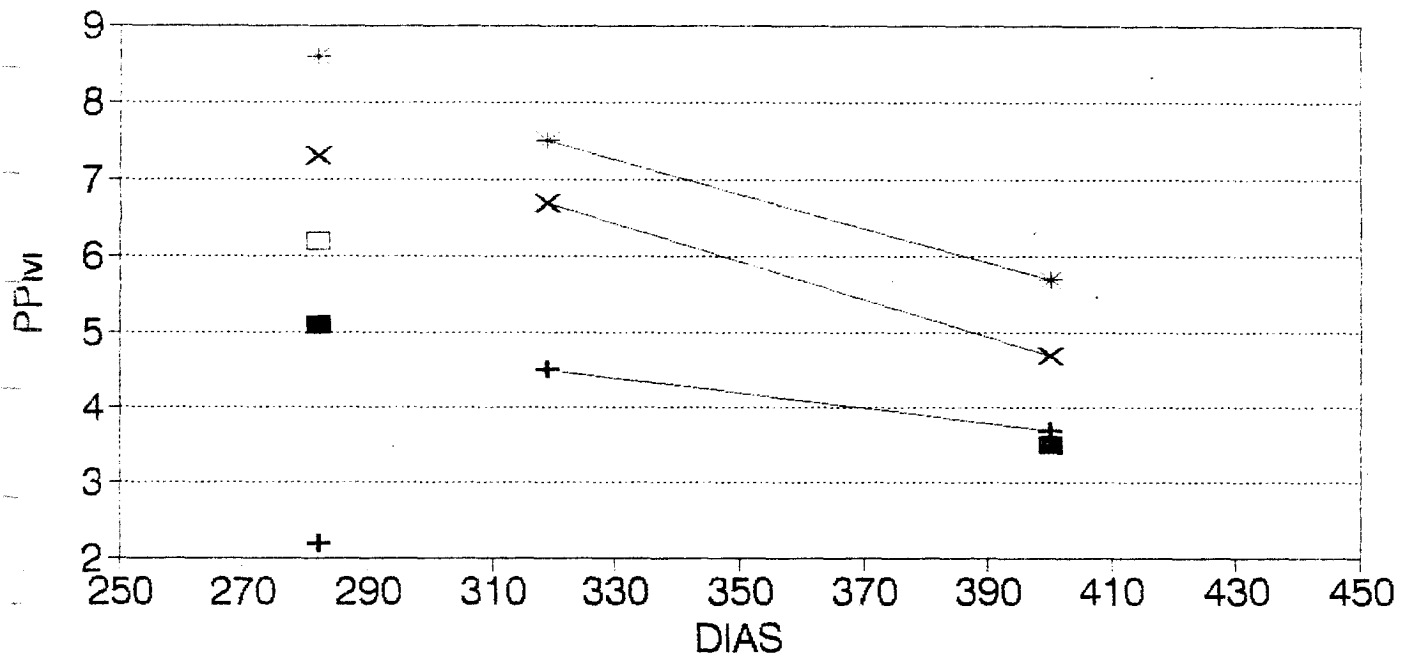


■ P 0.5 + P 1.5 \* P 2.5



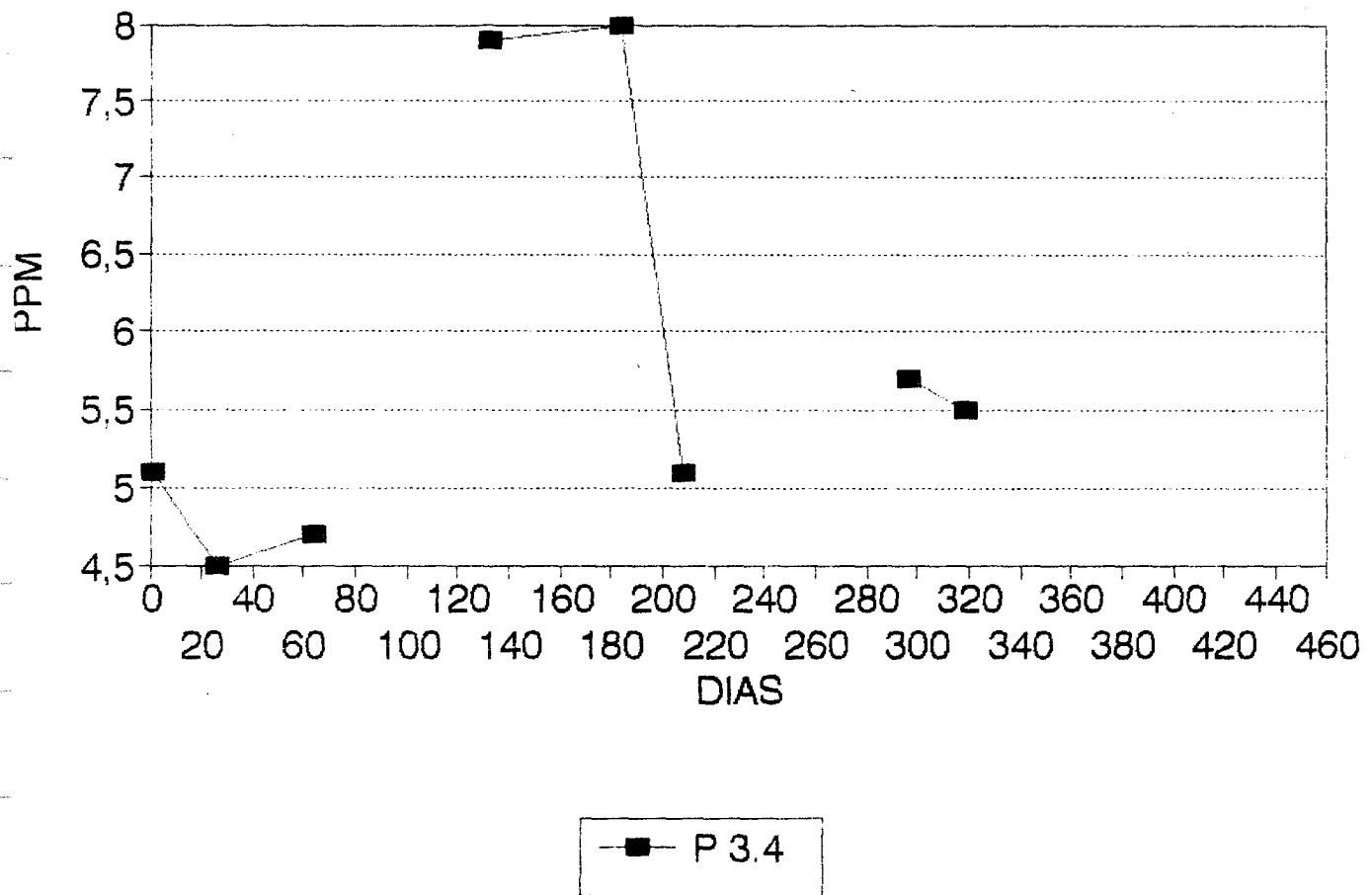
# POTASIO

Tomamuestras PVC (2ª fase)



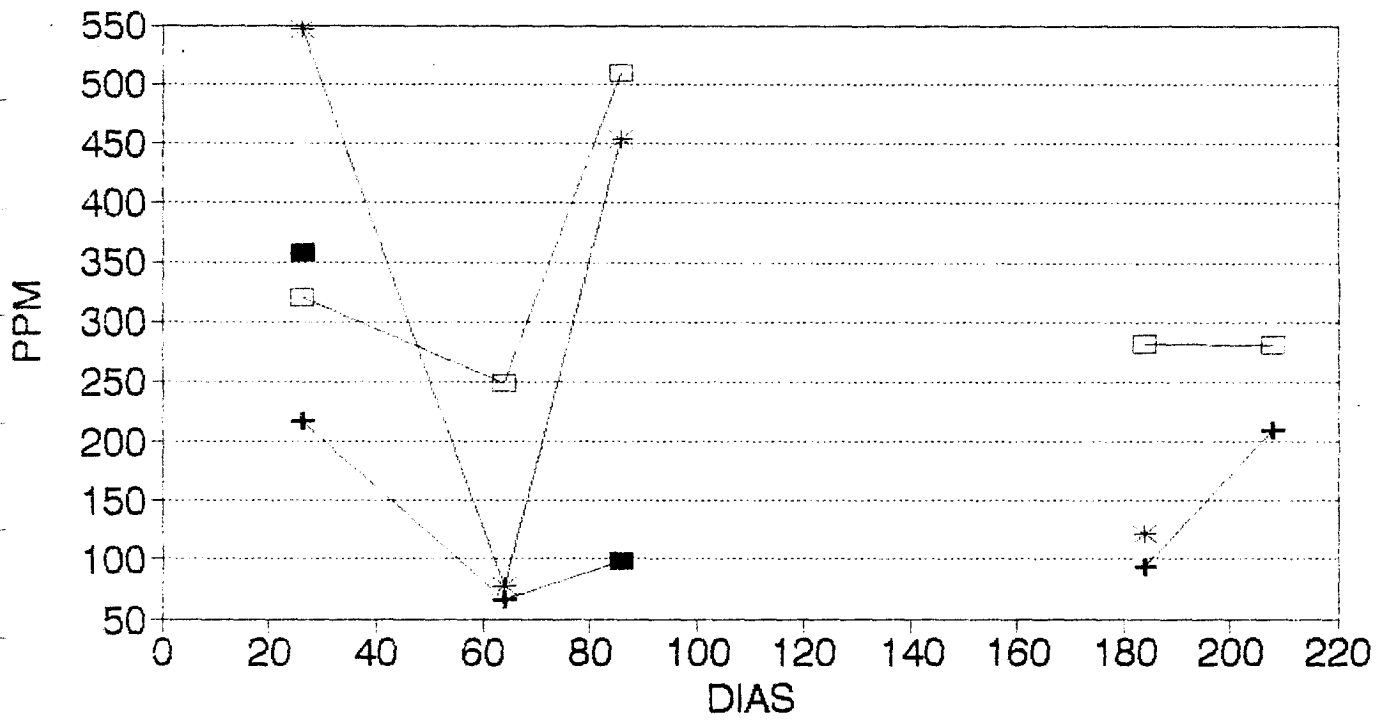
# POTASIO

## Tomamuestras P 3.4



# SULFATOS

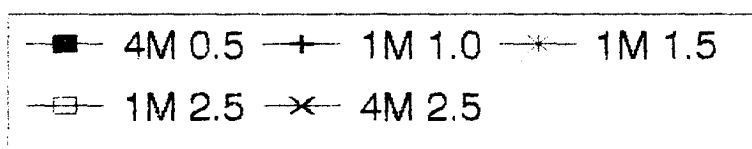
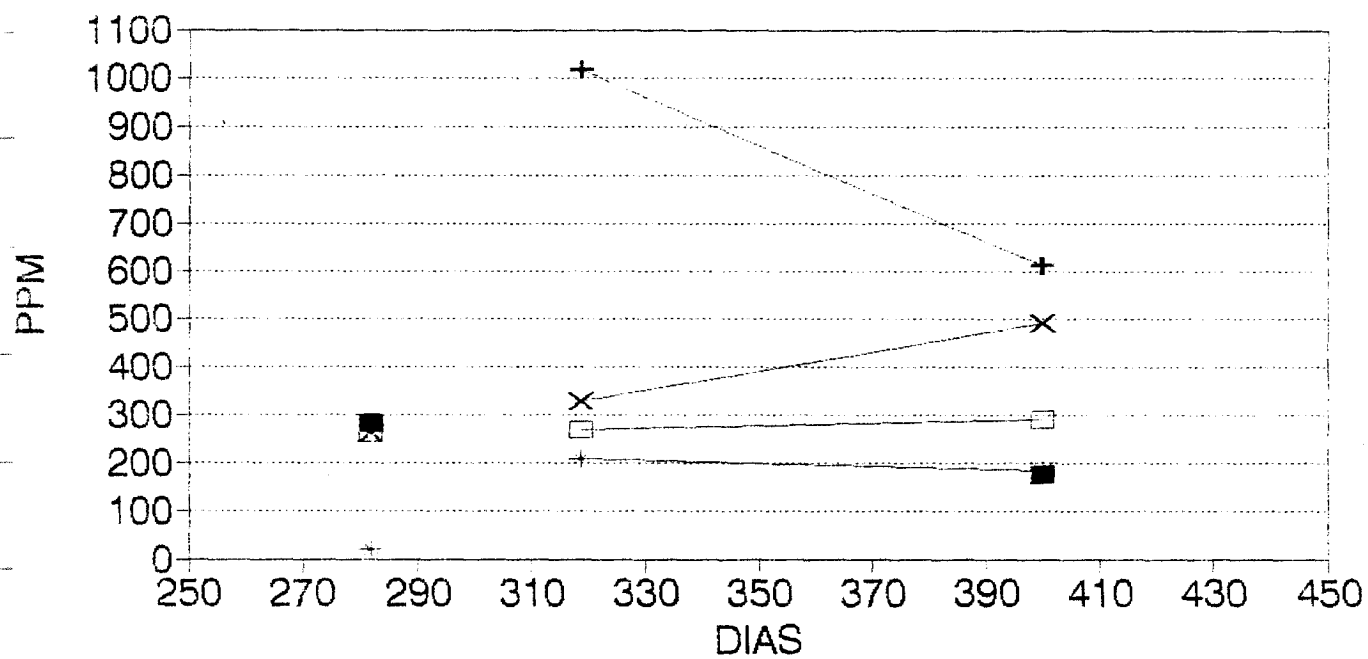
Tomamuestras Teflón (1ª fase)



■ M 0.2 + M 0.5 \* M 1.5 □ M 2.5

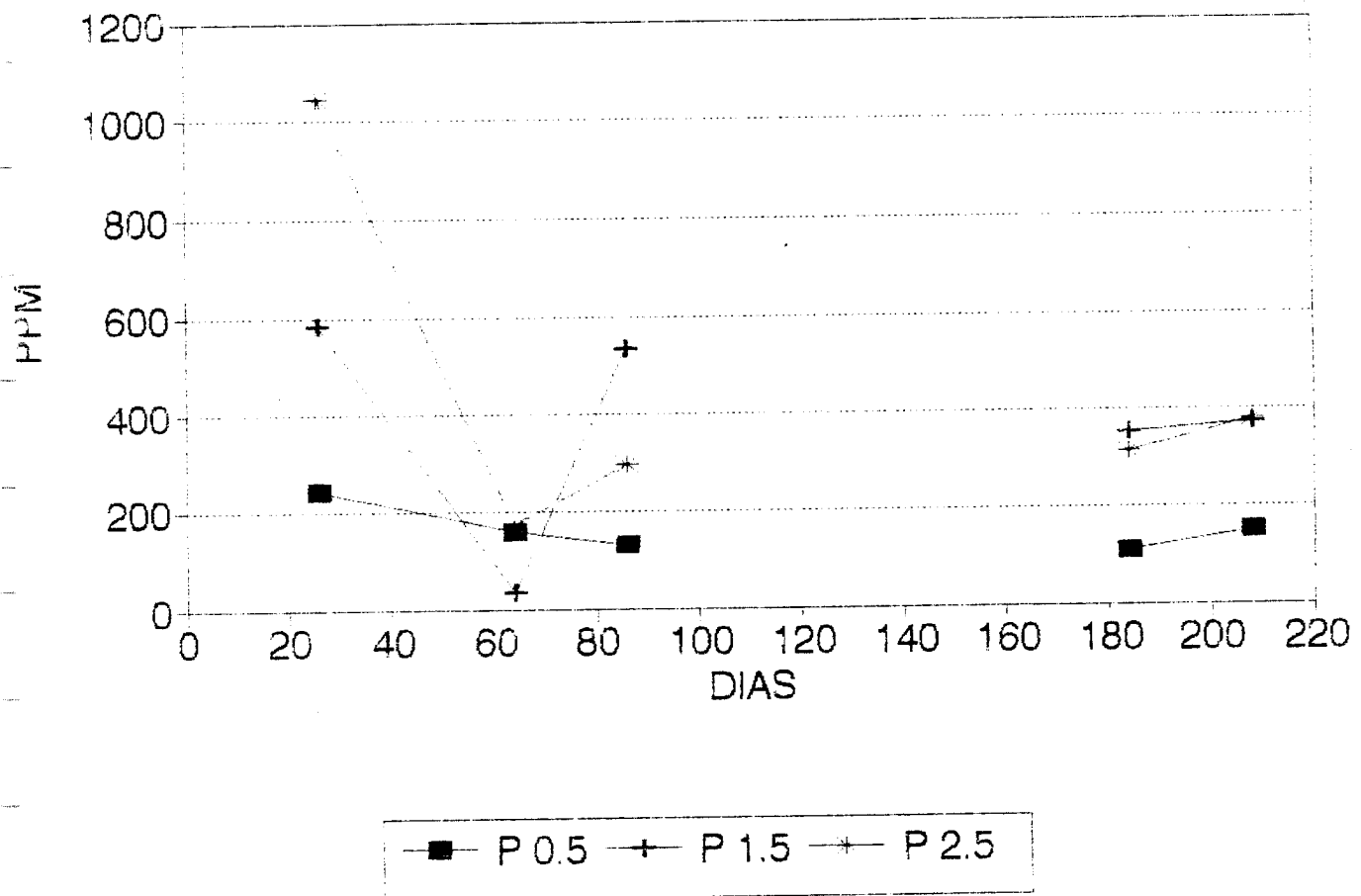
# SULFATOS

Tomamuestras Teflón (2ª fase)



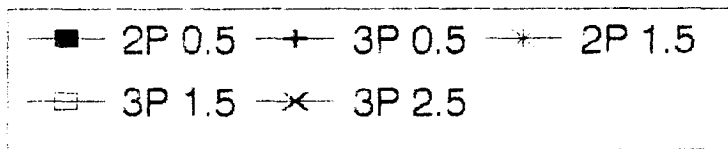
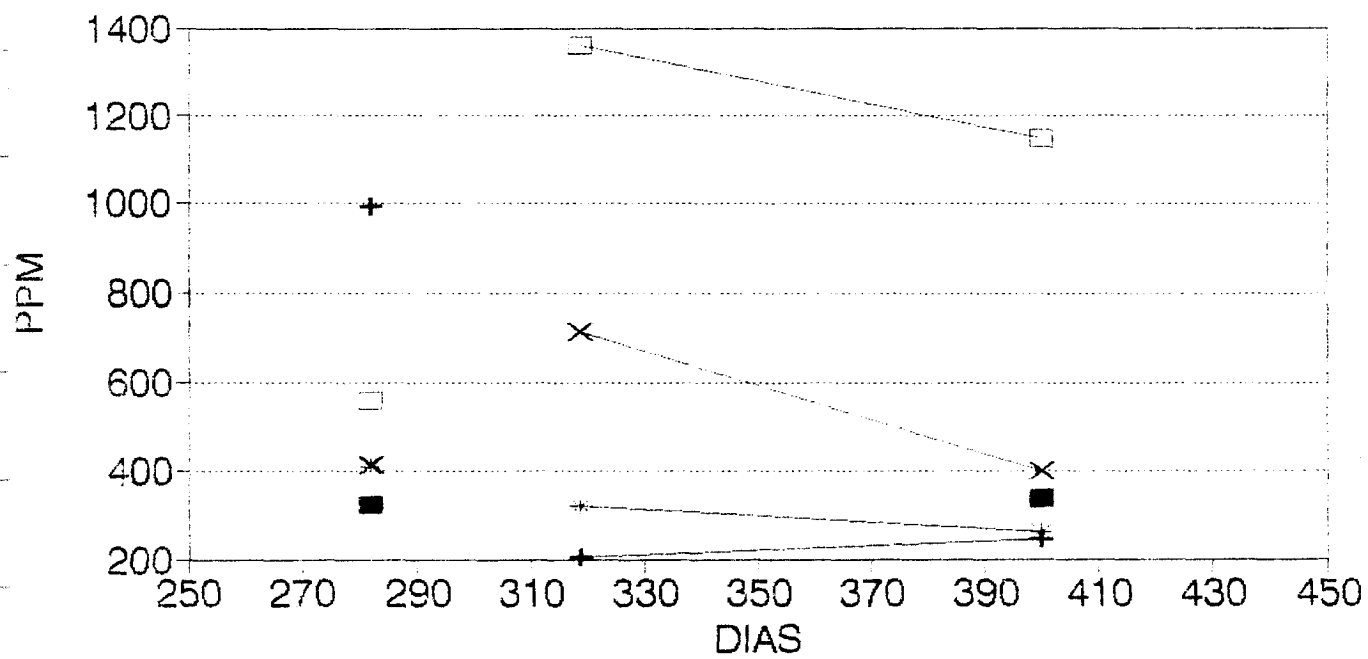
# SULFATOS

Tomamuestras PVC (1ª fase)



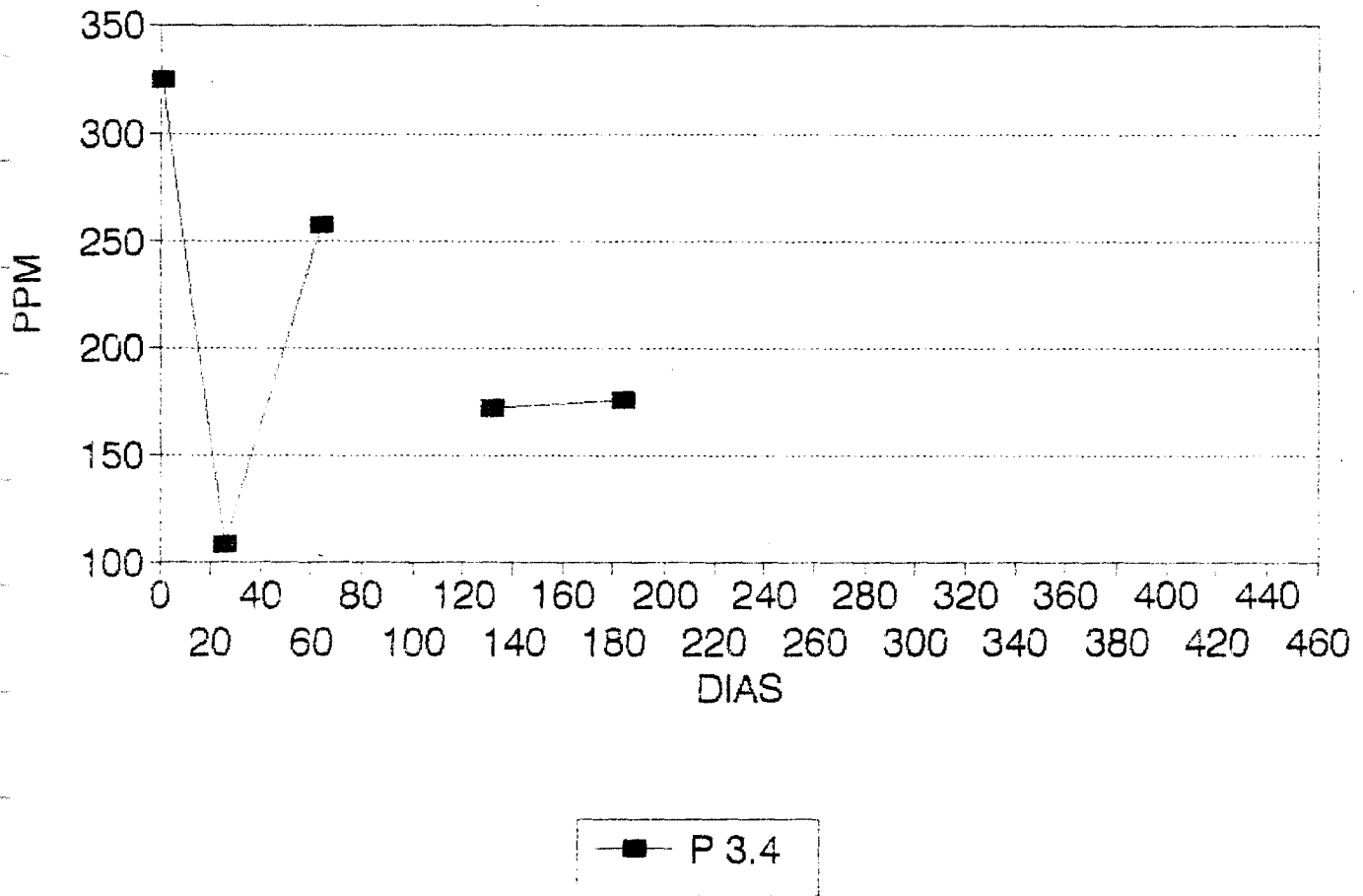
# SULFATOS

Tomamuestras PVC (2ª fase)



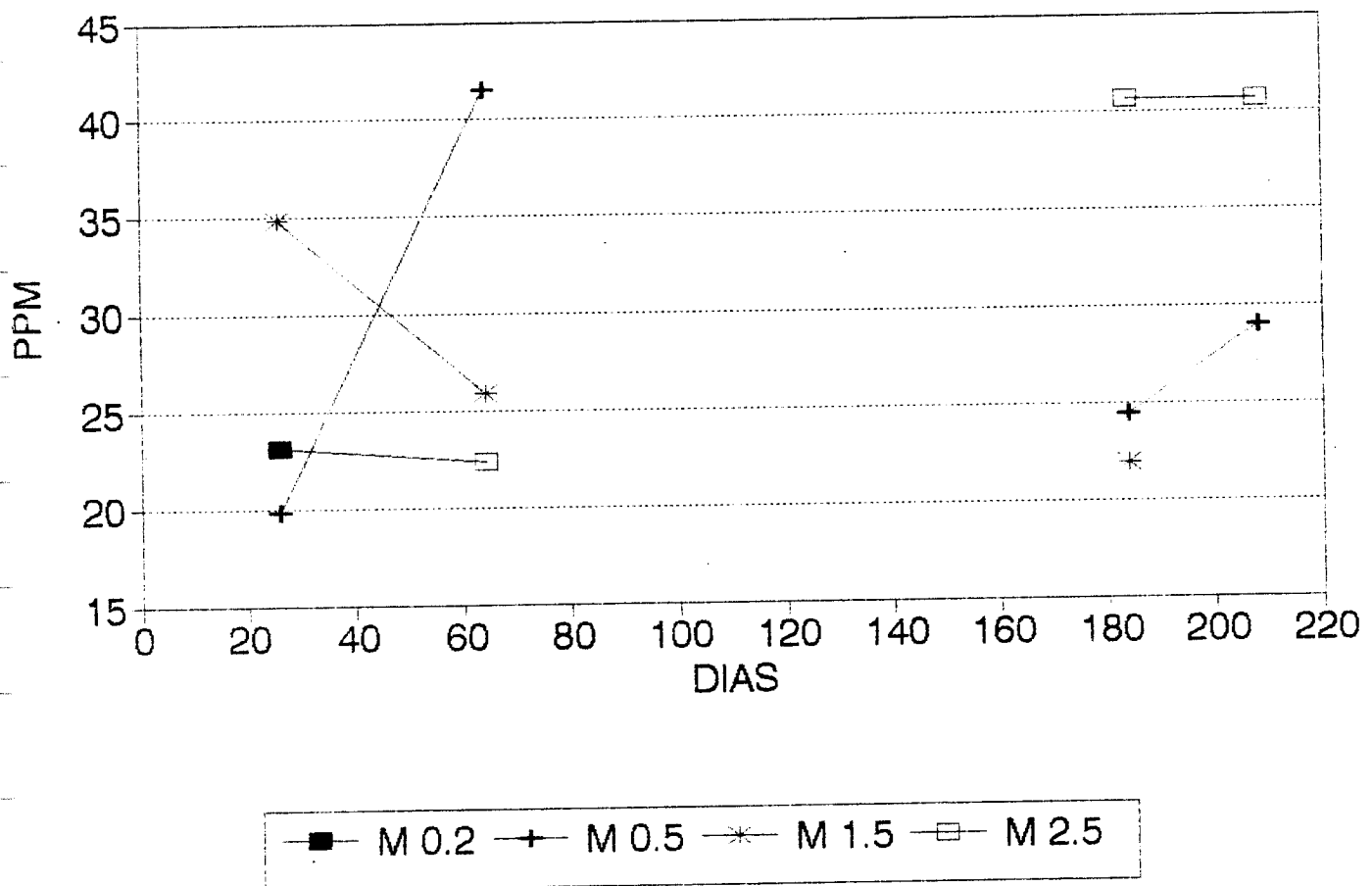
# SULFATOS

Tomamuestras P 3.4



# SODIO

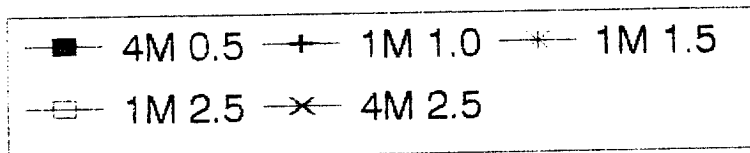
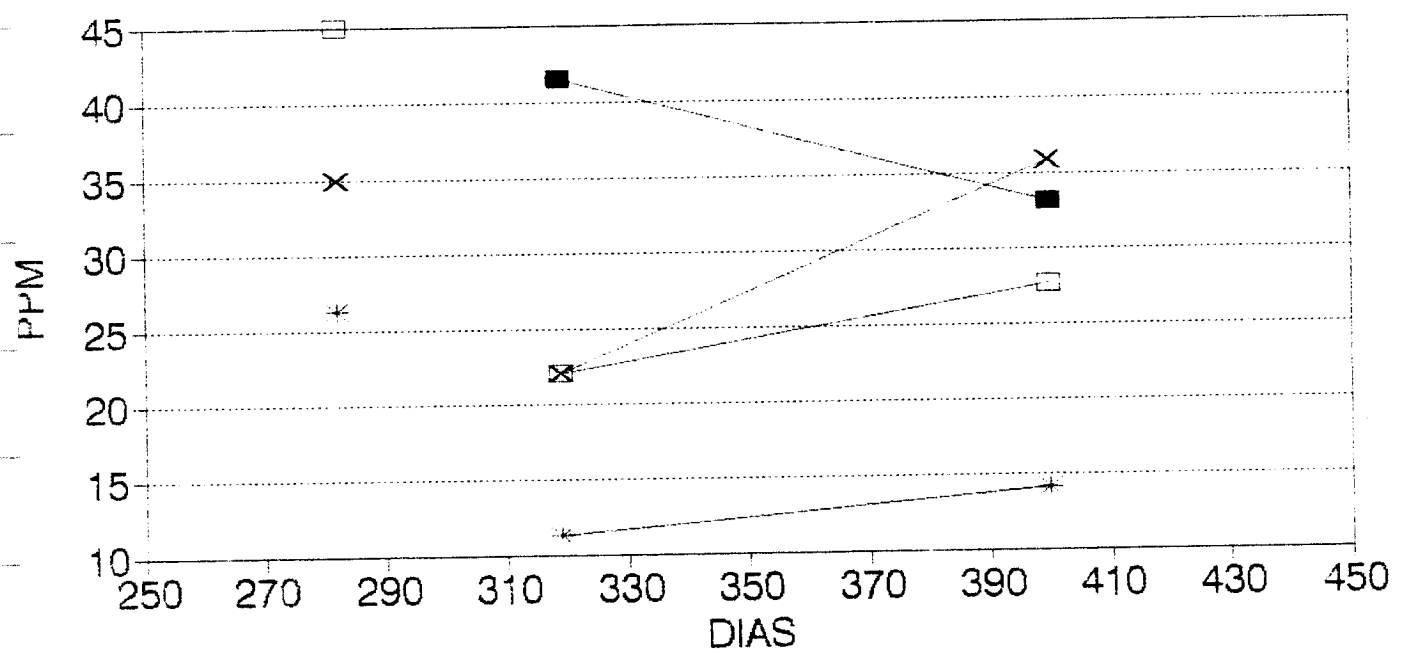
## Tomamuestras Teflón (1ª fase)





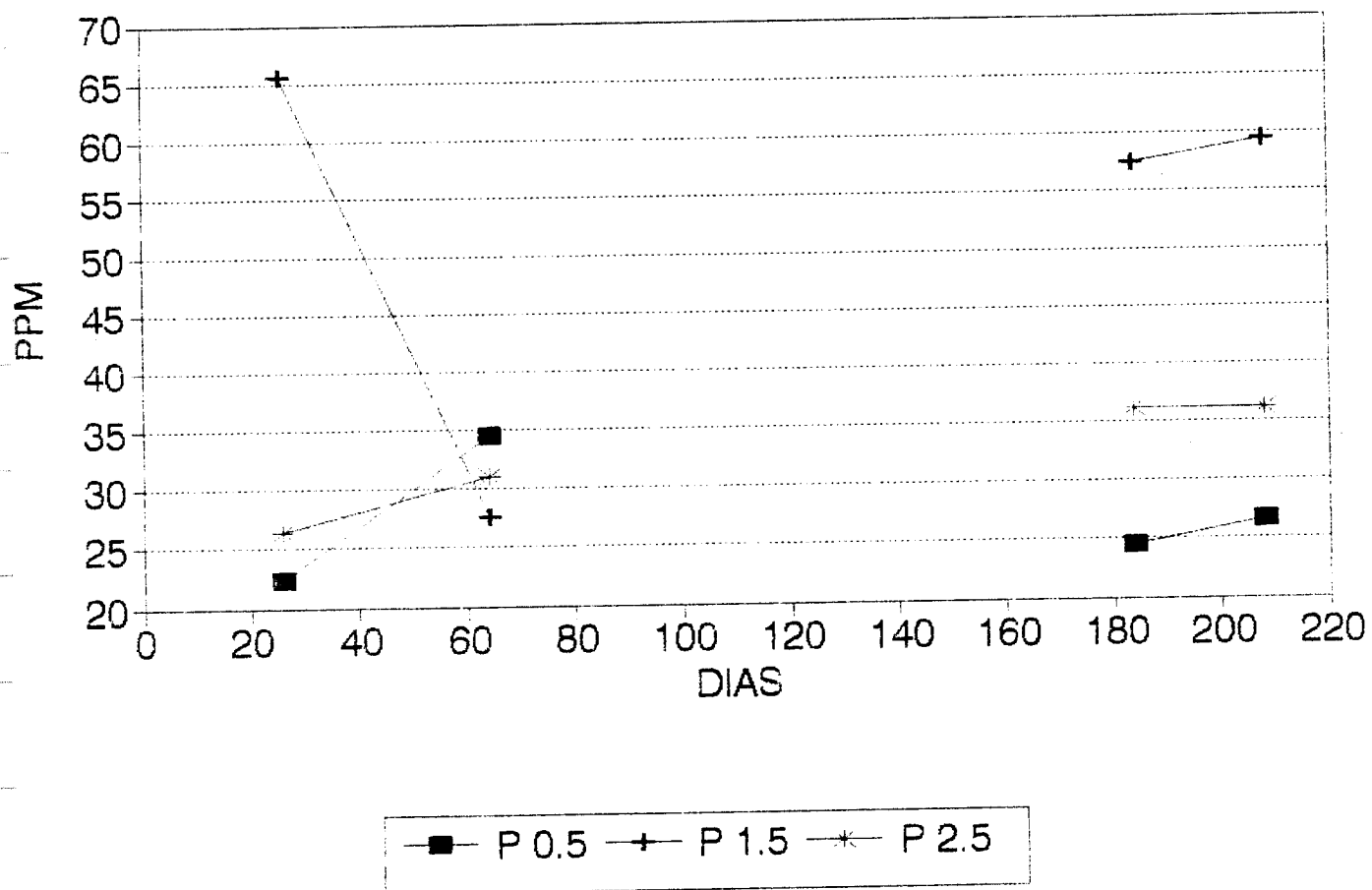
# SODIO

Tomamuestras Teflón (2ª fase)



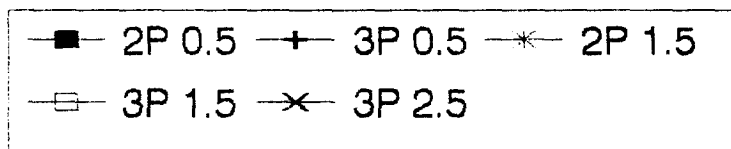
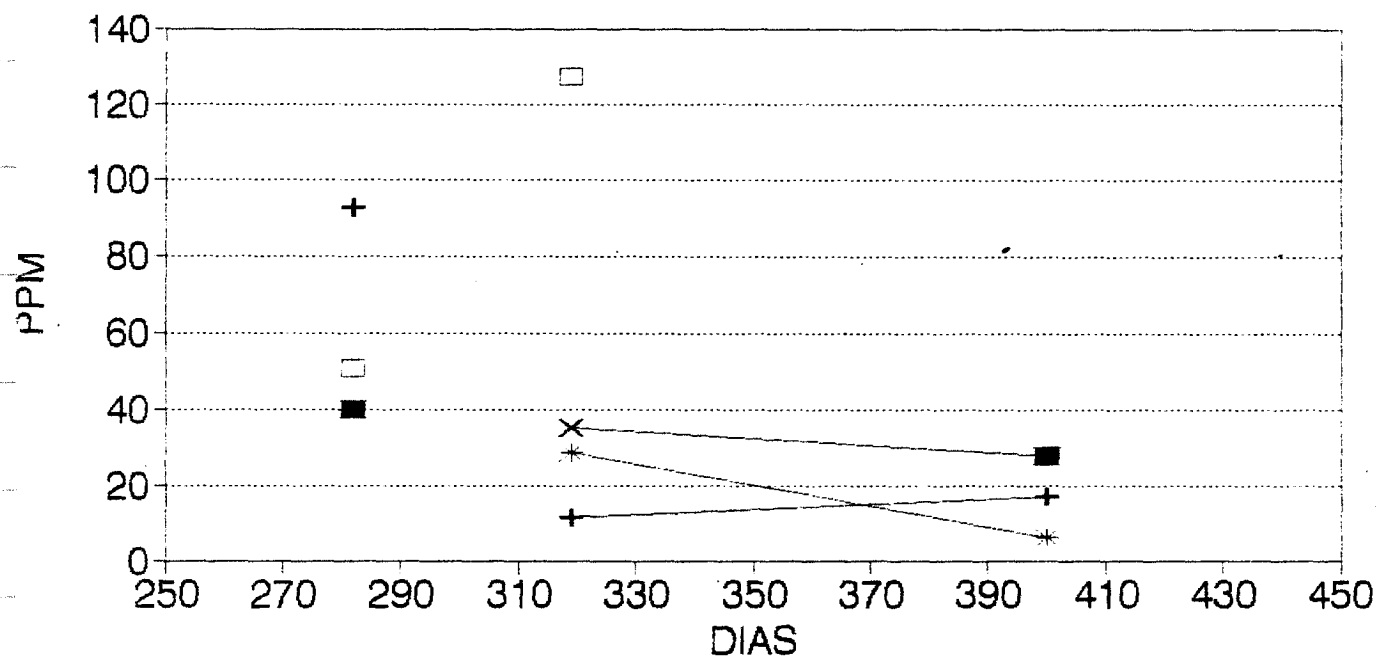
# SODIO

## Tomamuestras PVC (1ª fase)



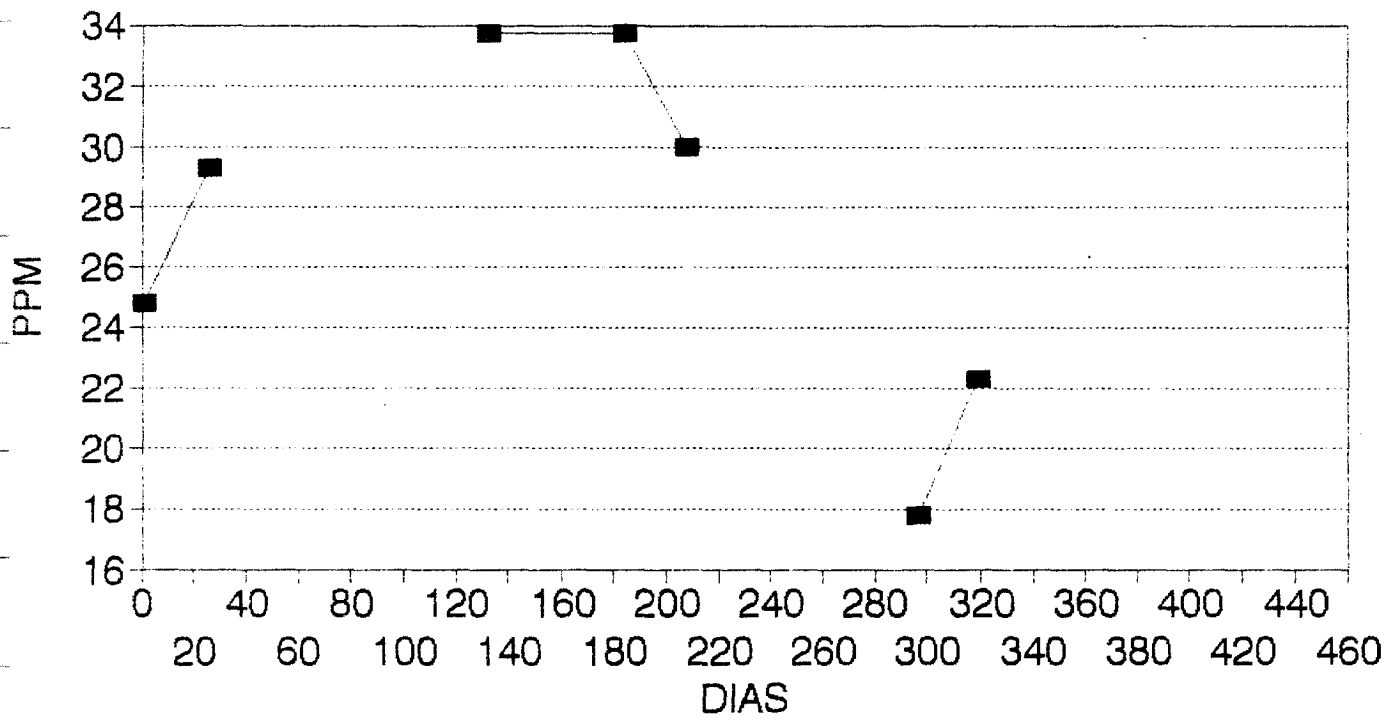
# SODIO

## Tomamuestras PVC (2ª fase)



# SODIO

## Tomamuestras P 3.4

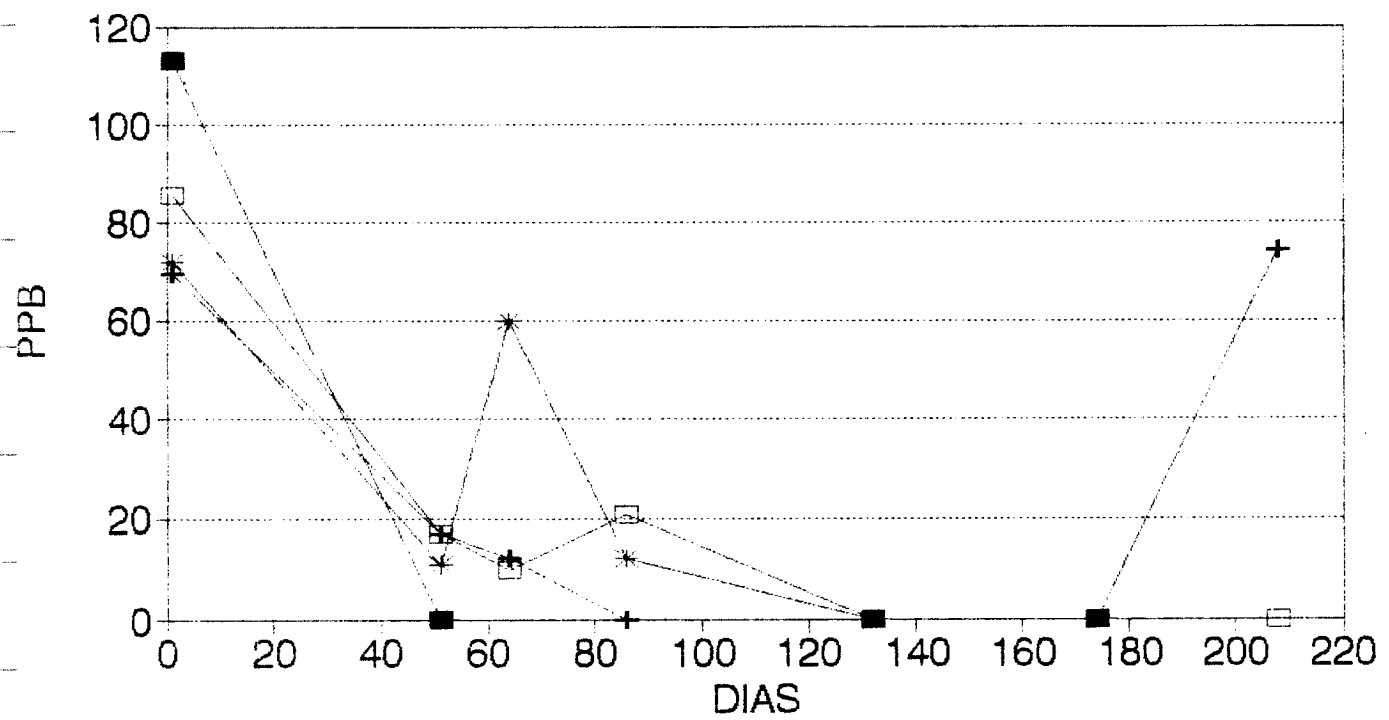


—■— P 3.4

## **2.2. METALES**

# ZINC

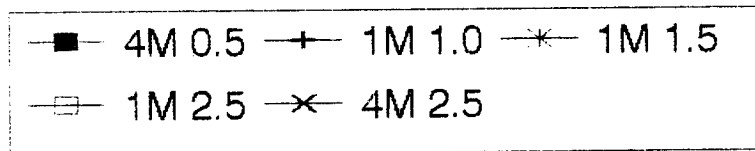
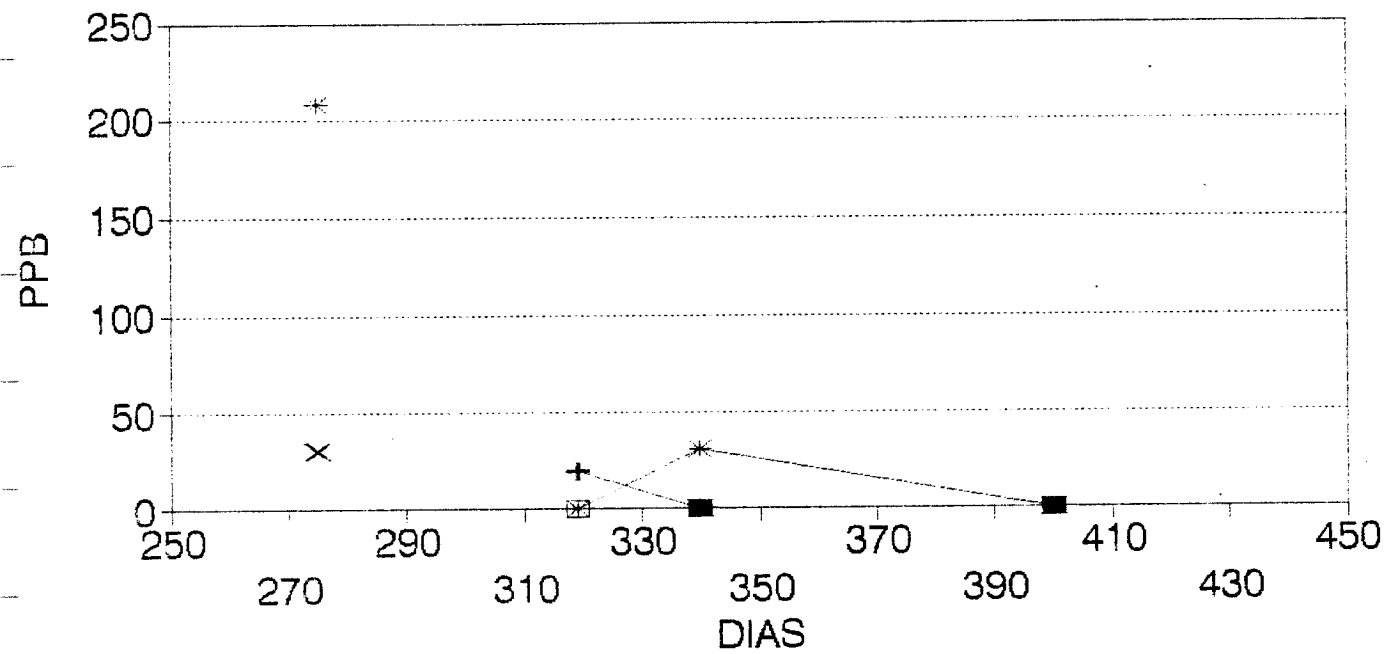
Tomamuestras Teflón (1ª fase)



■ M 0.2 + M 0.5 \* M 1.5 □ M 2.5

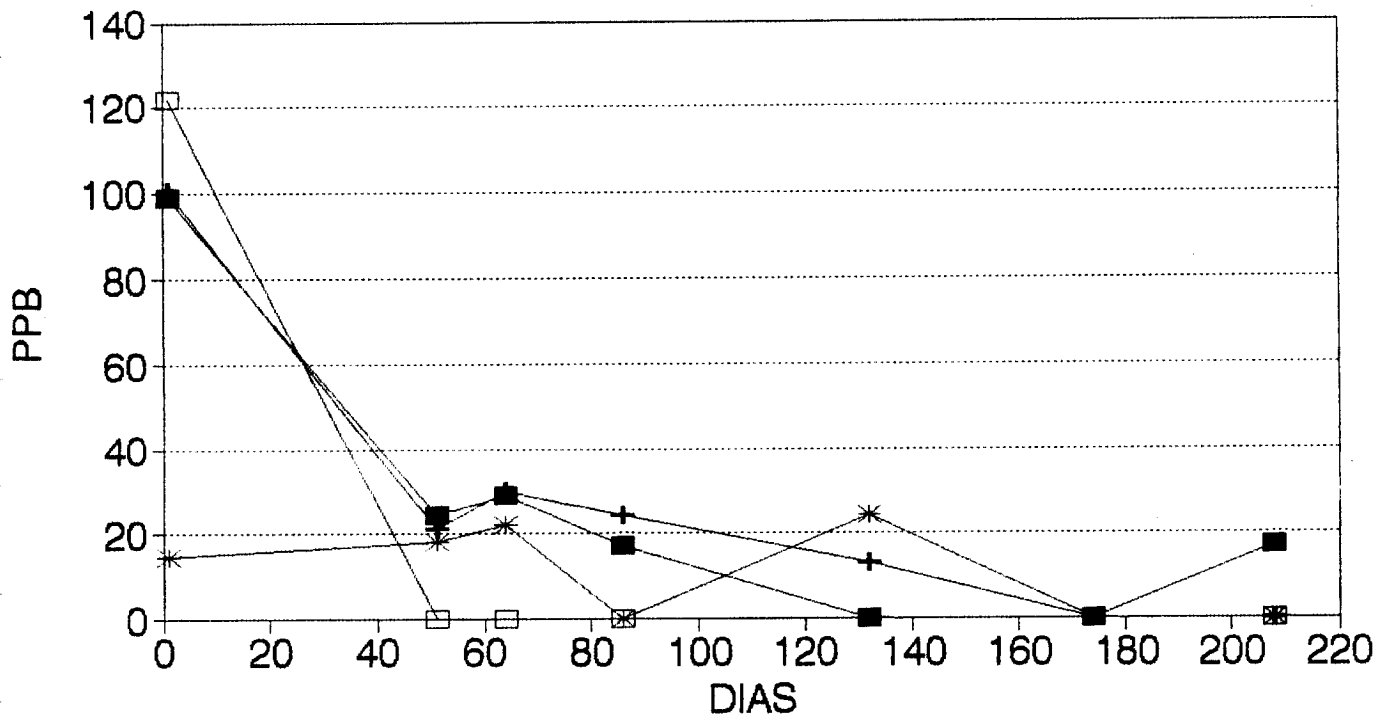
# ZINC

## Tomamuestras Teflón (2ª fase)



# ZINC

## Tomamuestras PVC (1ª fase)

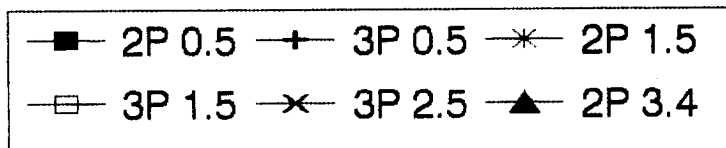
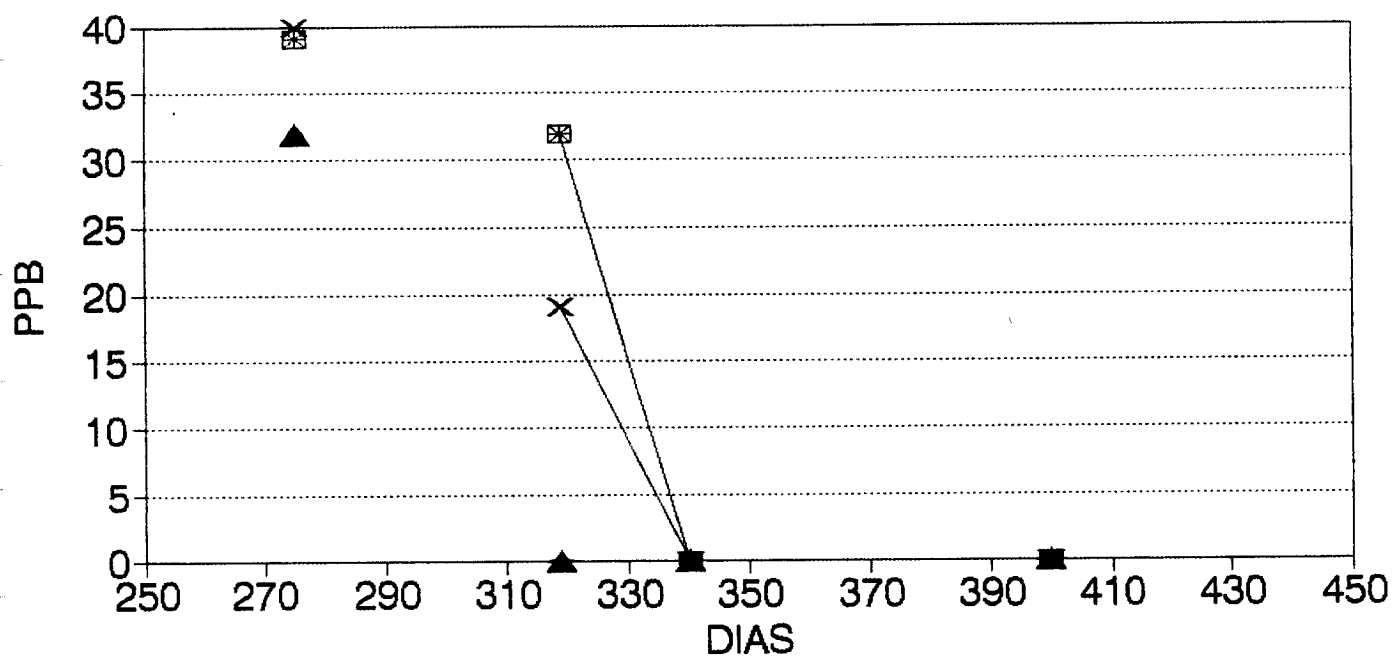


■ P 0.5 + P 1.5 \* P 2.5 □ P 3.4



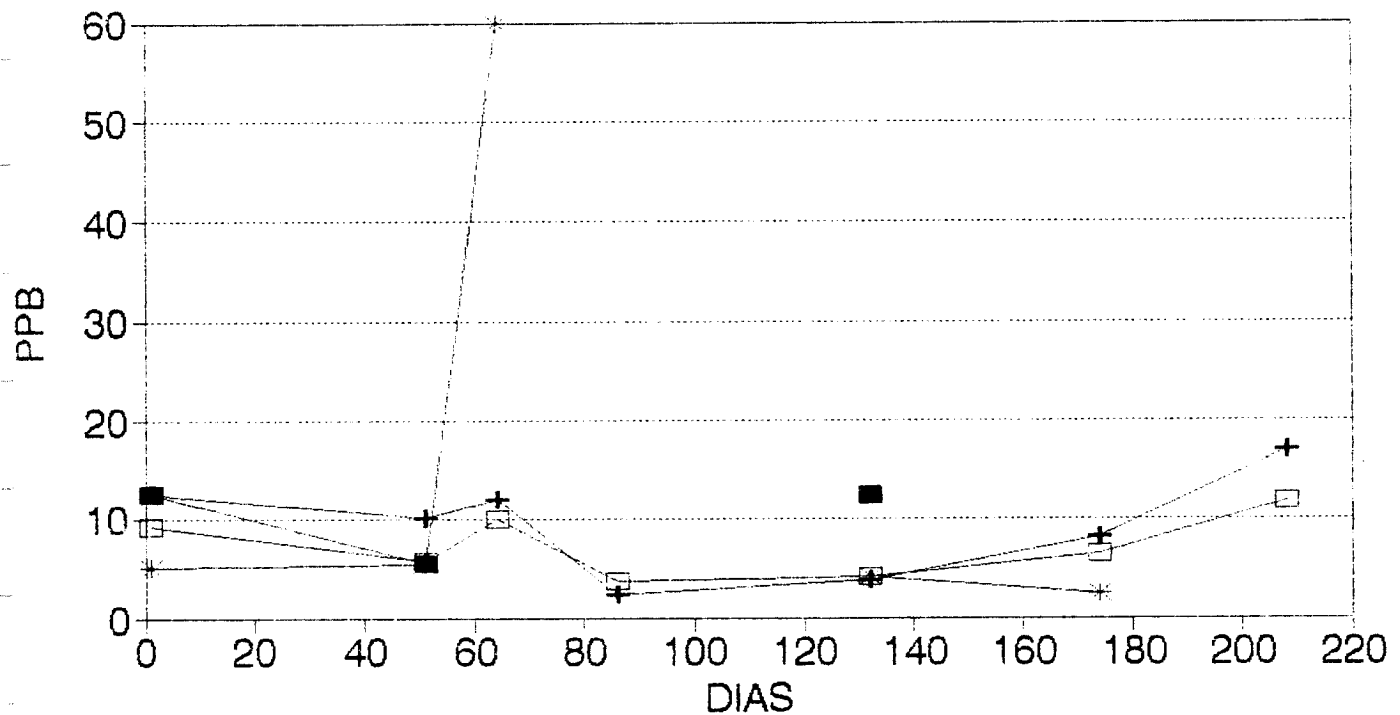
# ZINC

## Tomamuestras PVC (2ª fase)



# COBRE

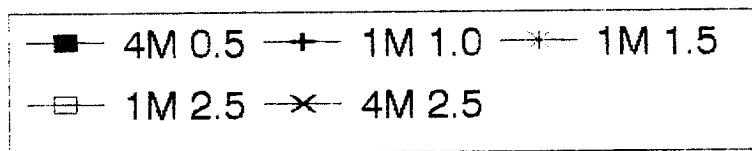
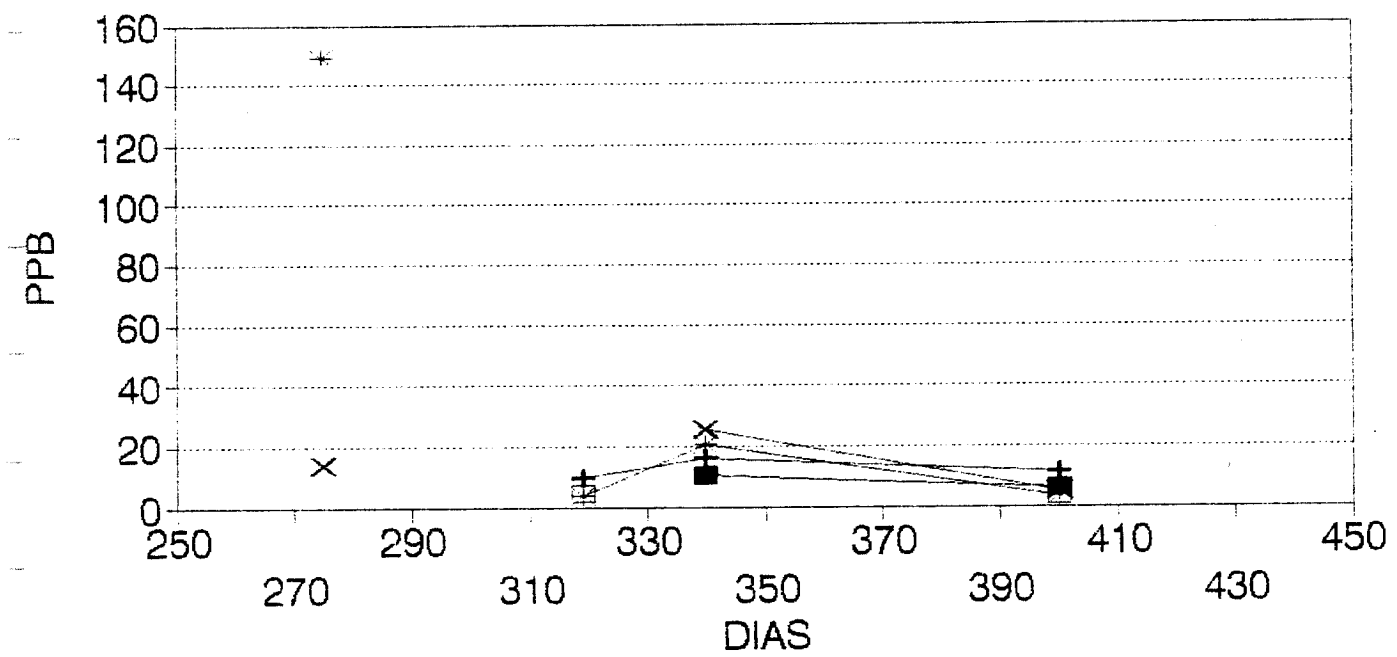
Tomamuestras Teflón (1ª fase)



■ M 0.2 + M 0.5 \* M 1.5 □ M 2.5

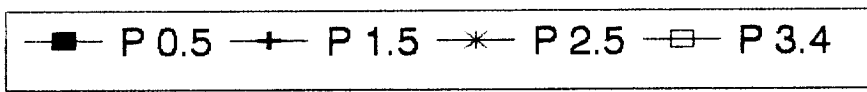
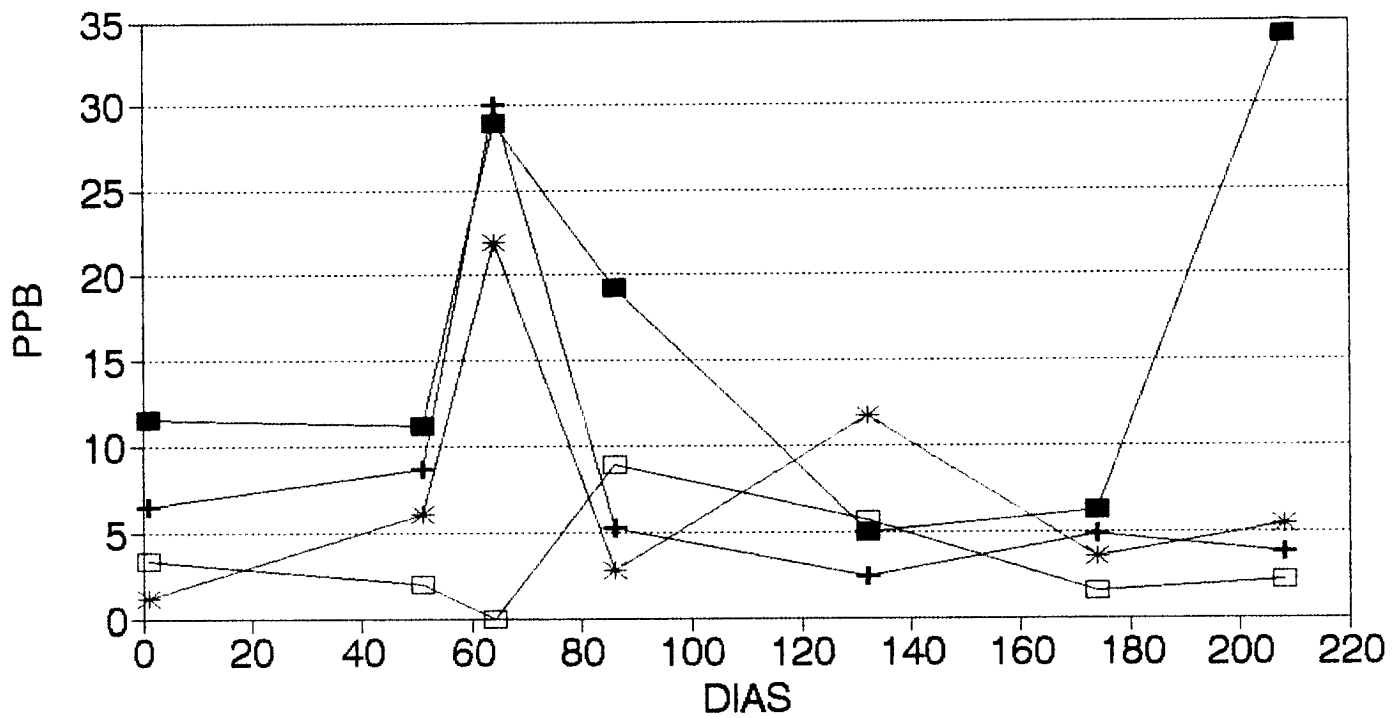
# COBRE

Tomamuestras Teflón (2ª fase)



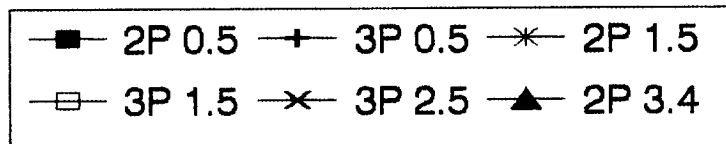
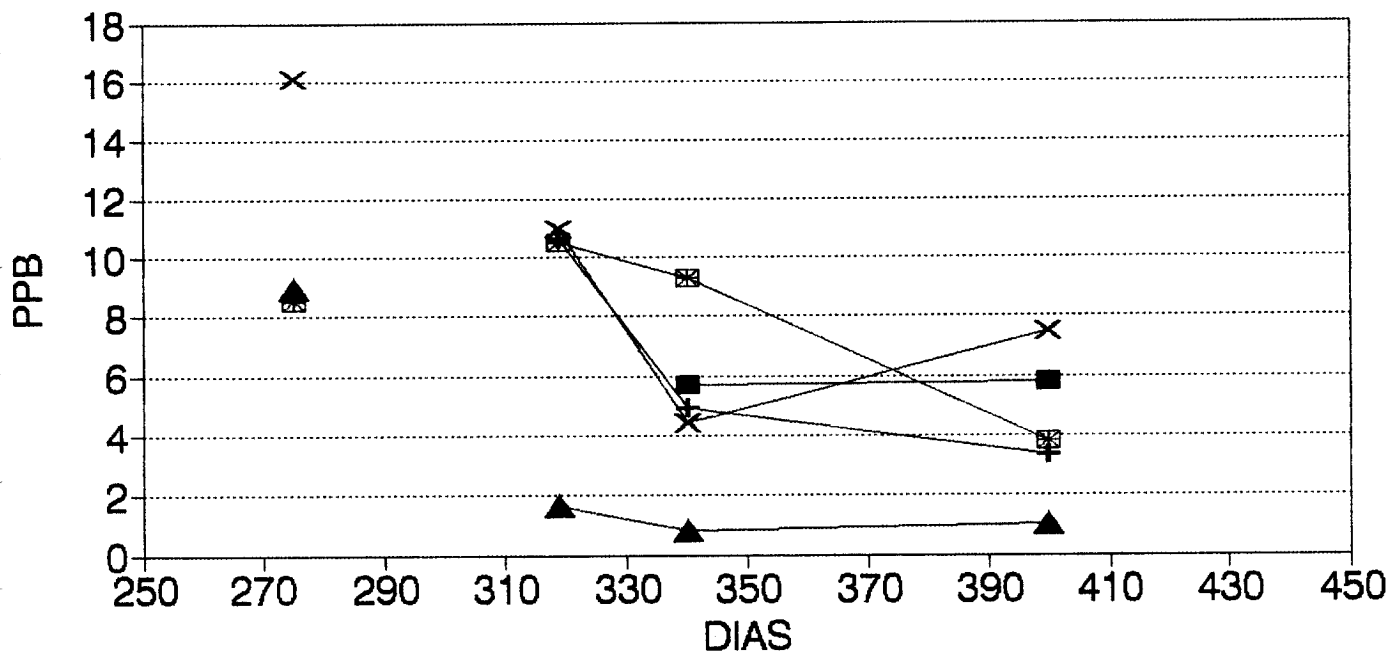
# COBRE

## Tomamuestras PVC (1ª fase)



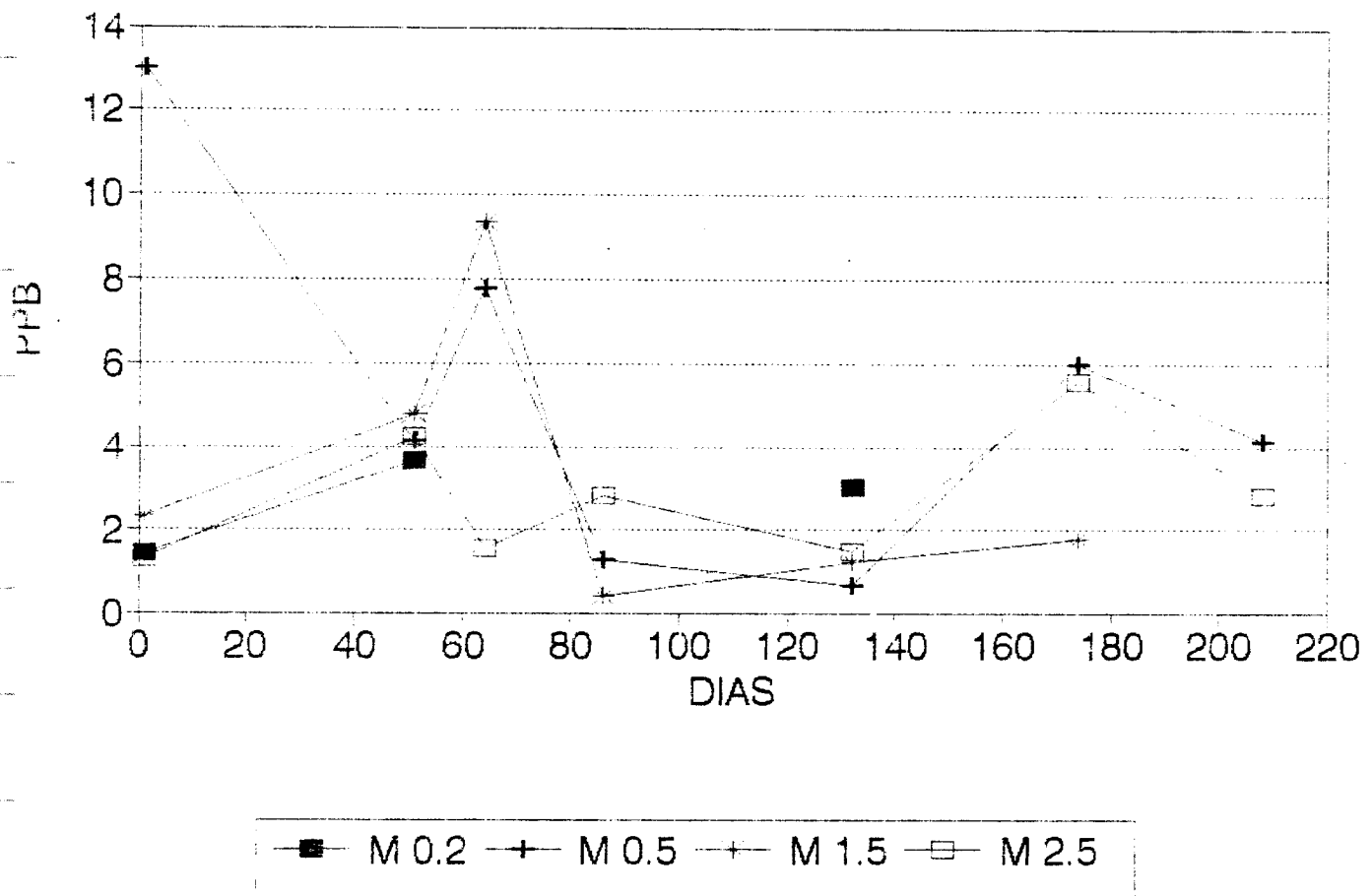
# COBRE

## Tomamuestras PVC (2ª fase)



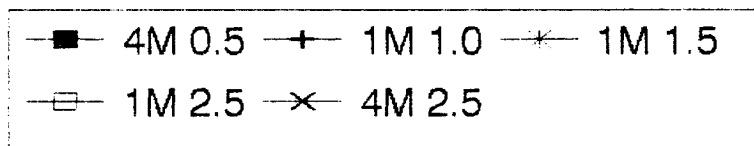
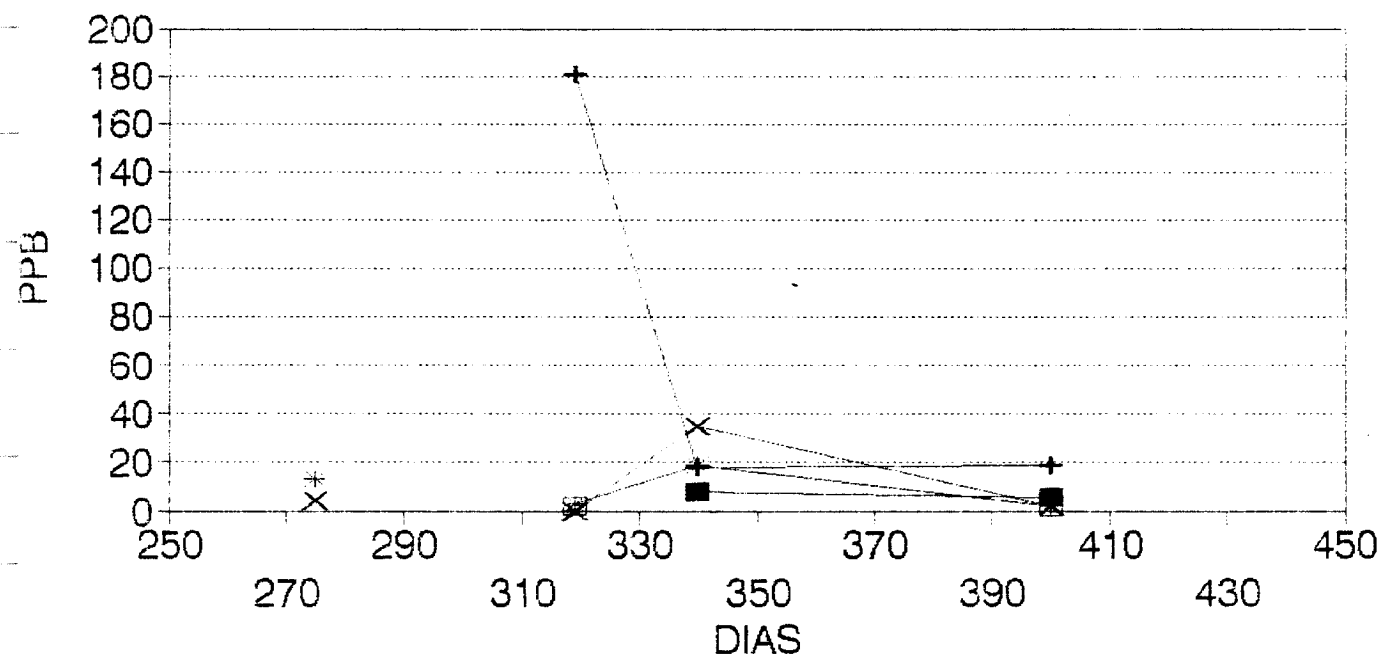
# MANGANESO

Tomamuestras Teflón (1ª fase)



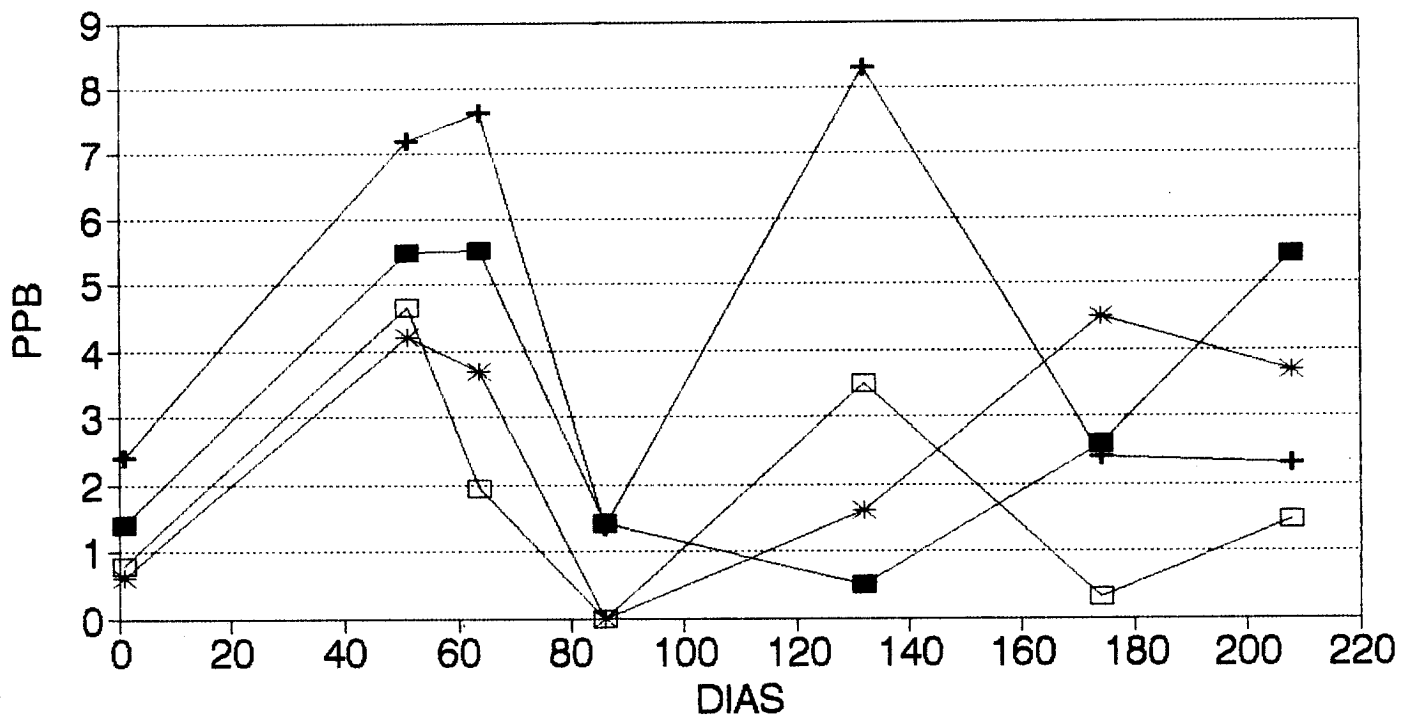
# MANGANESO

## Tomamuestras Teflón (2ª fase)



# MANGANESO

## Tomamuestras PVC (1ª fase)

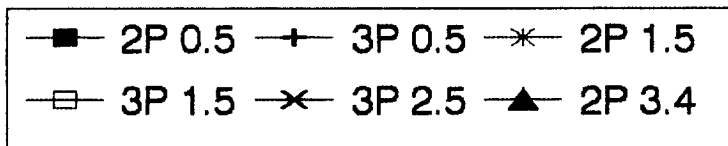
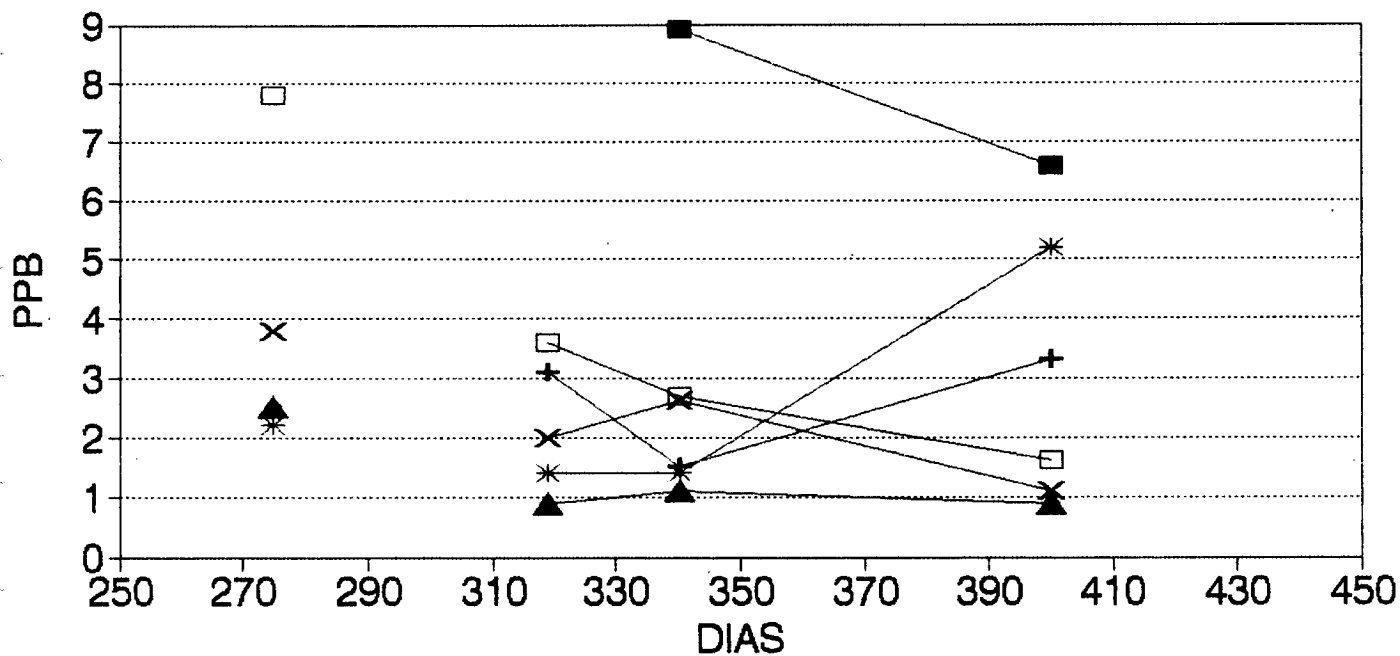


■ P 0.5 + P 1.5 \* P 2.5 □ P 3.4



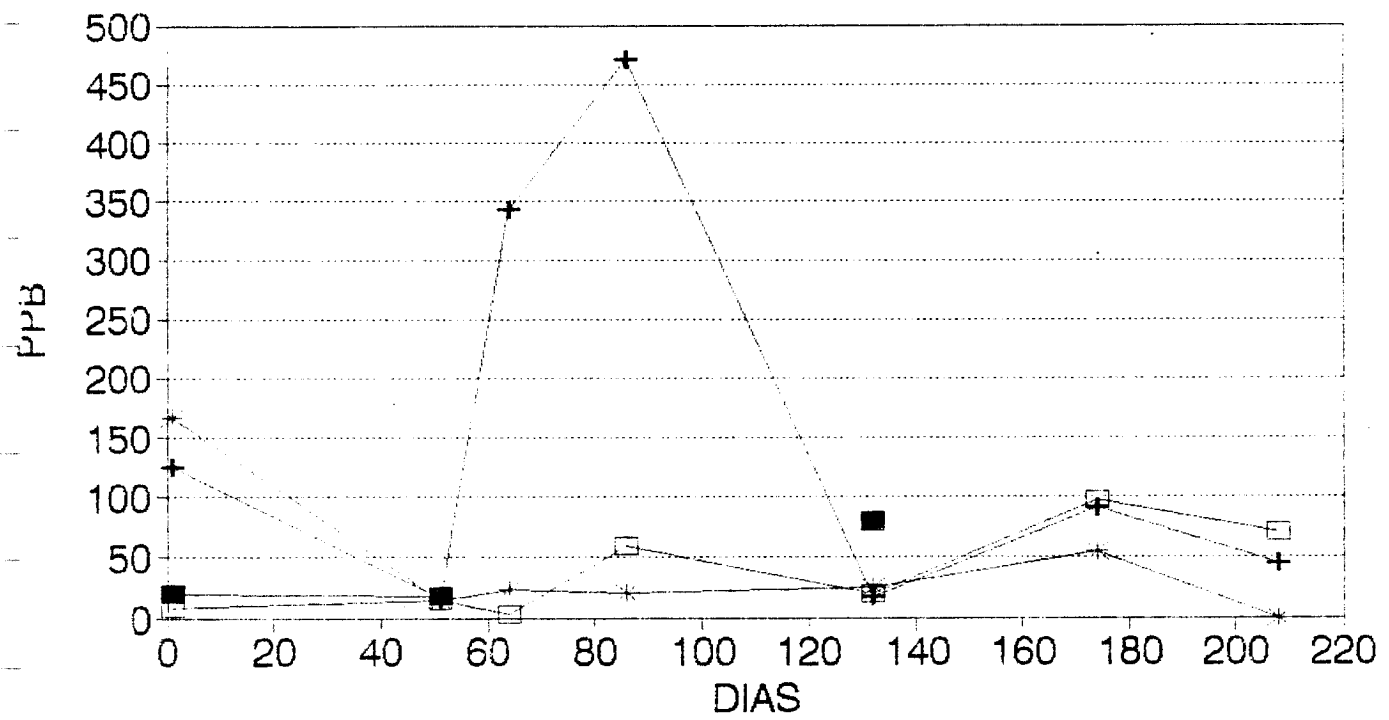
# MANGANESO

## Tomamuestras PVC (2ª fase)



# HIERRO

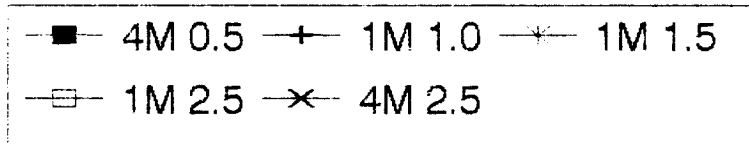
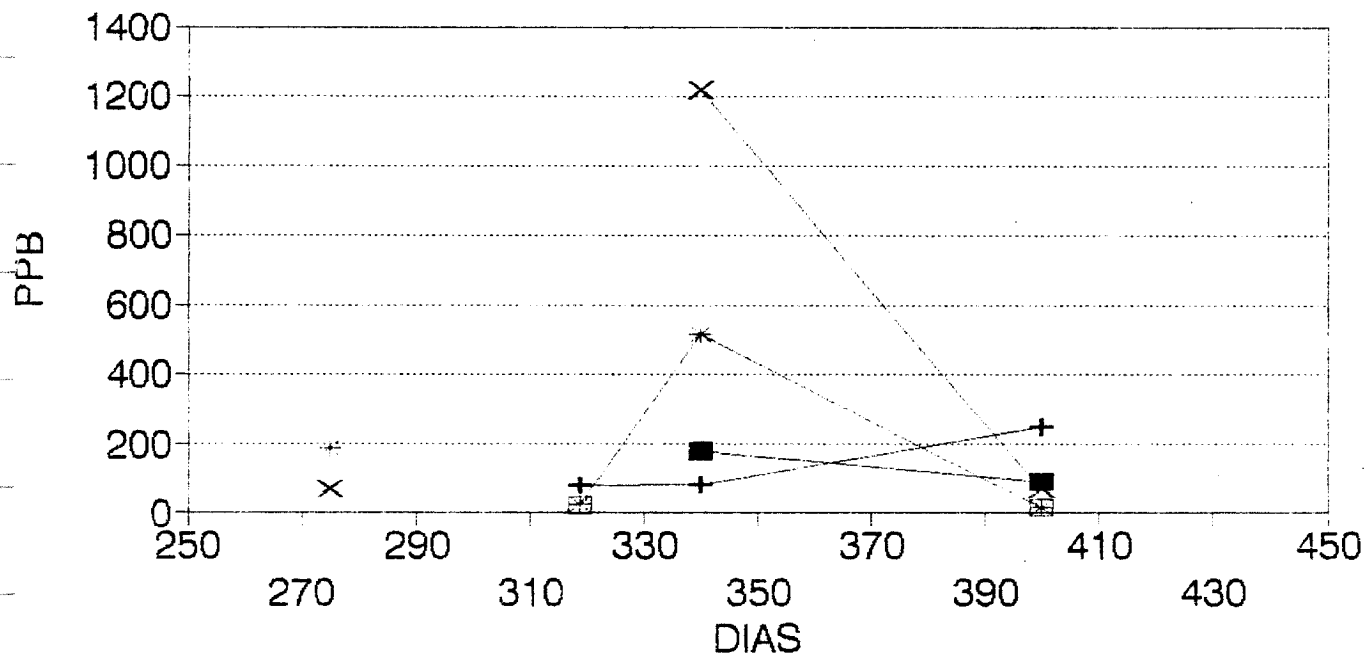
## Tomamuestras Teflón (1ª fase)



■ M 0.2    + M 0.5    \* M 1.5    □ M 2.5

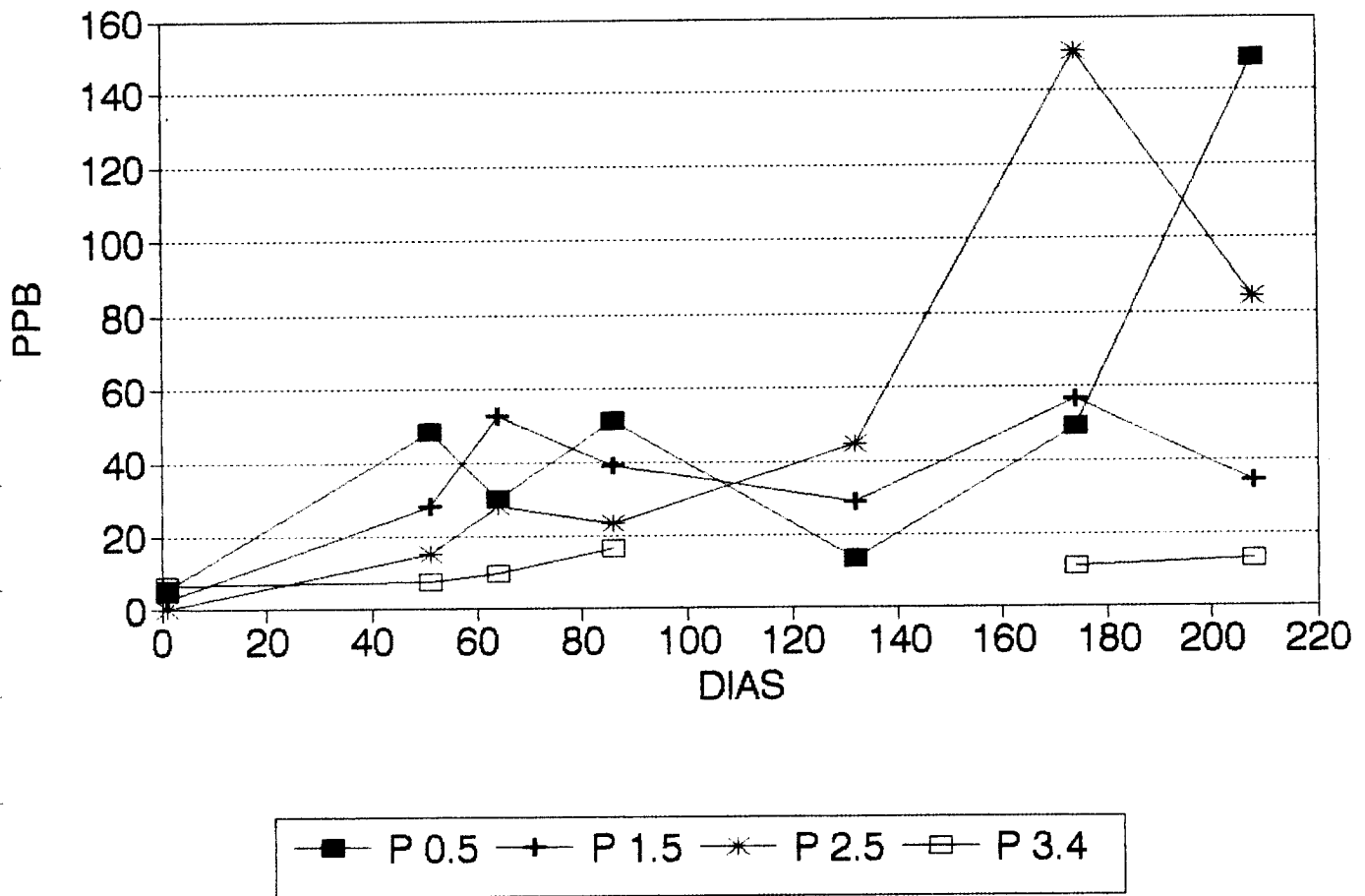
# HIERRO

## Tomamuestras Teflón (2ª fase)



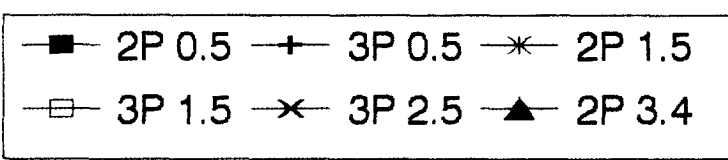
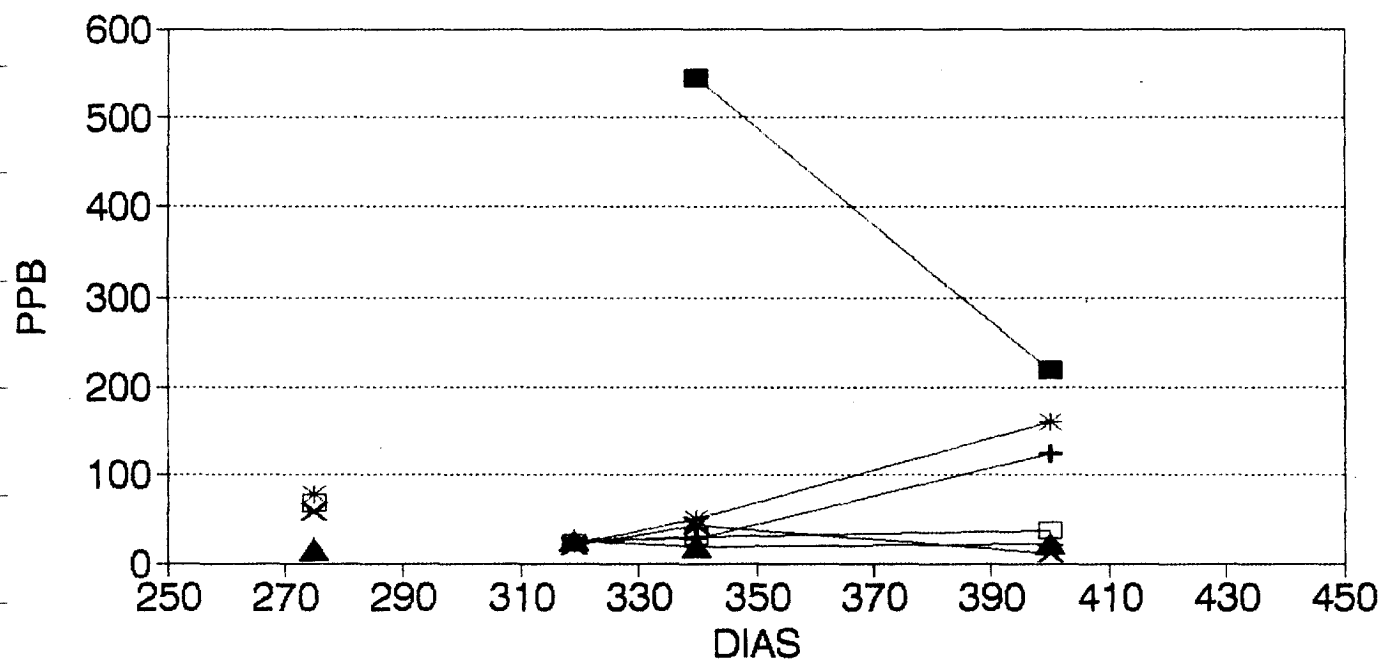
# HIERRO

## Tomamuestras PVC (1ª fase)



# HIERRO

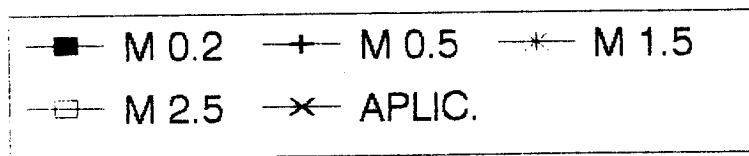
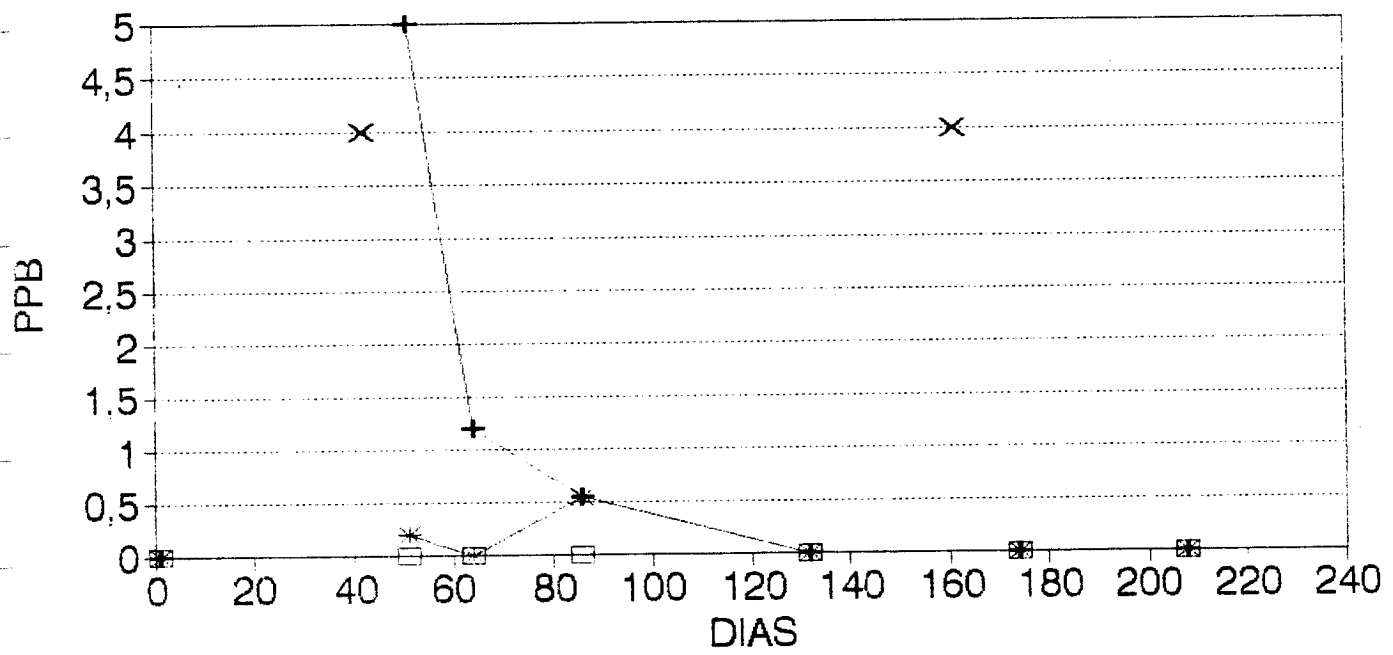
## Tomamuestras PVC (2ª fase)



### **2.3. PLAGUICIDAS**

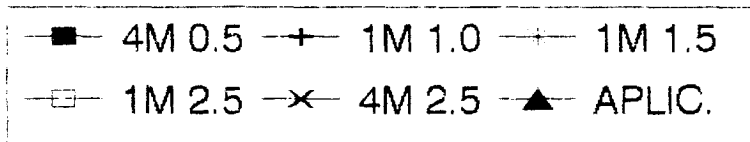
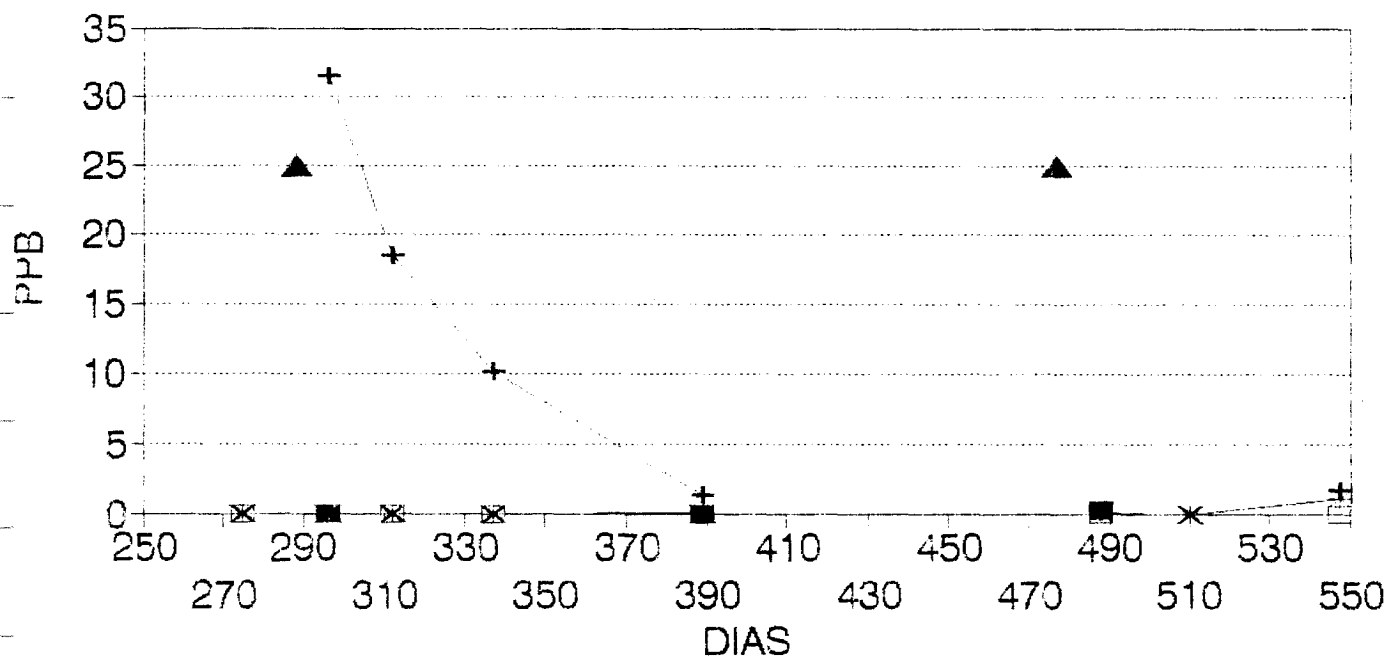
# METIDATION

## Tomamuestras Teflón (1ª fase)



# METIDATION

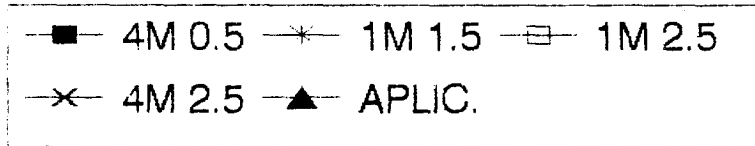
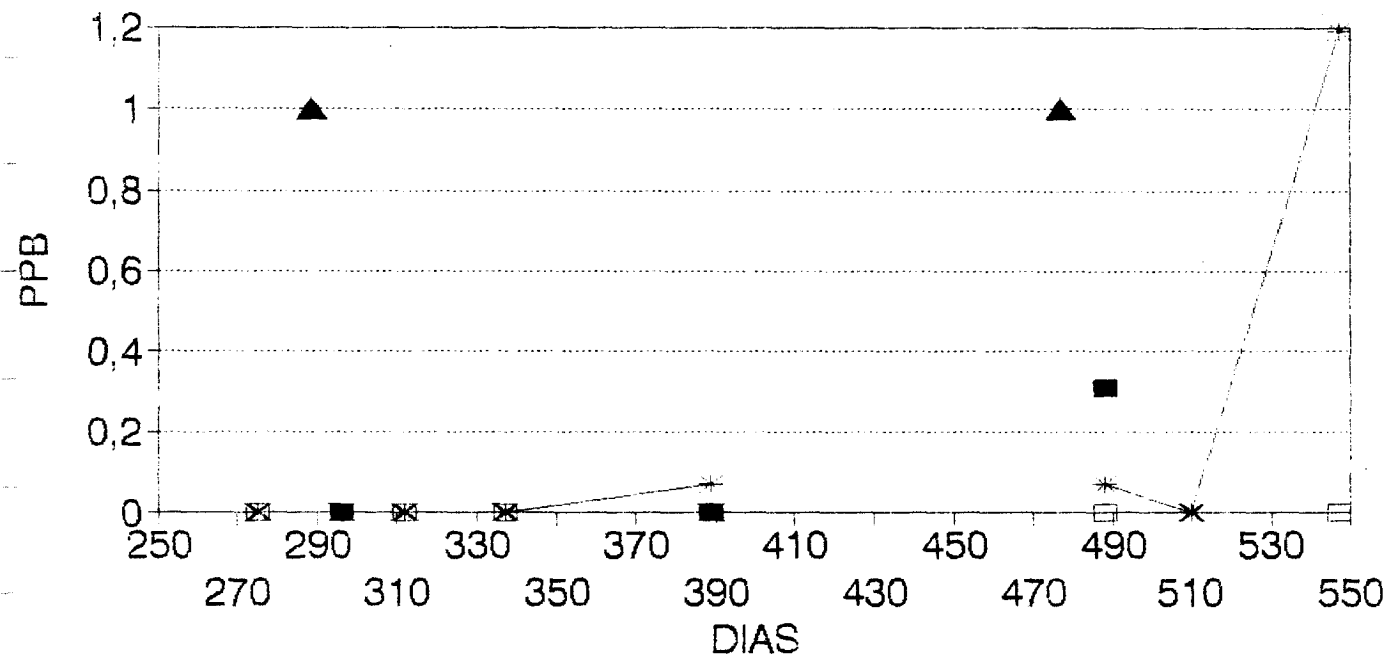
## Tomamuestras Teflón (2ª fase)





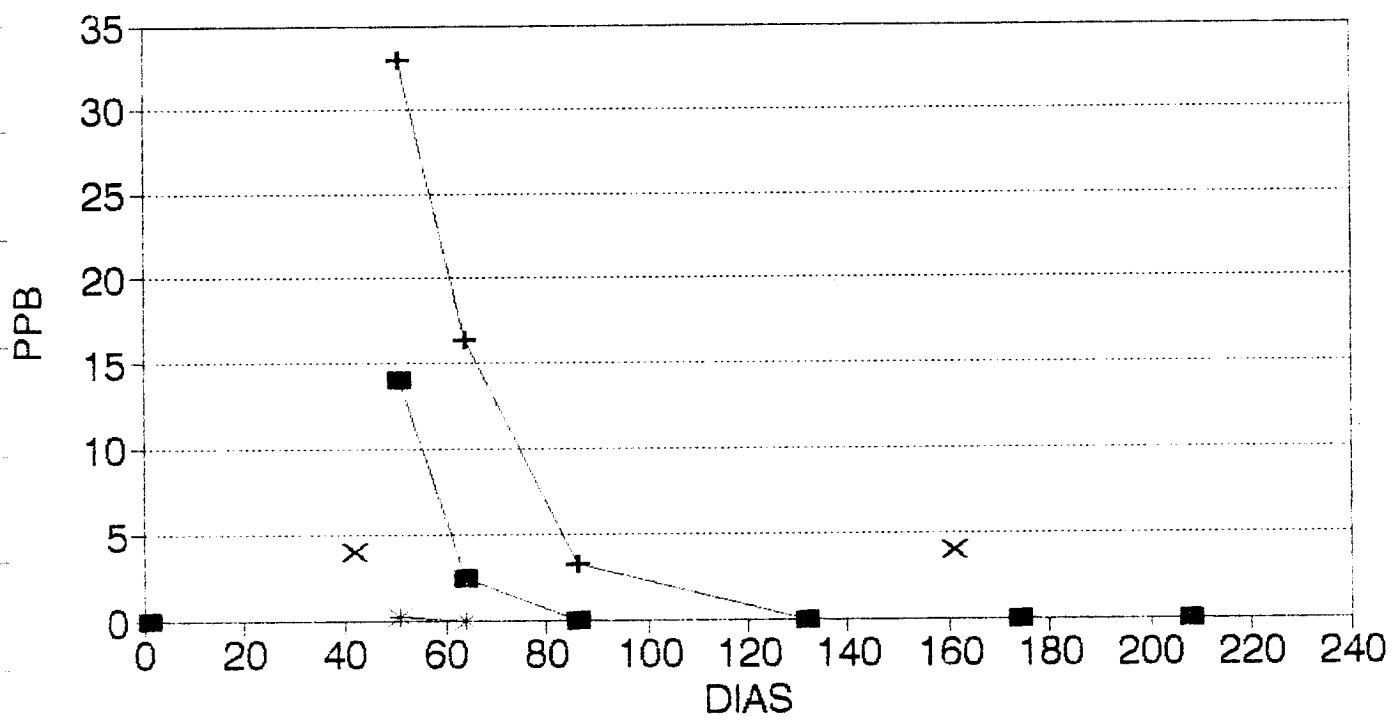
# METIDATION

## Tomamuestras Teflón (2ª fase)



# METIDATION

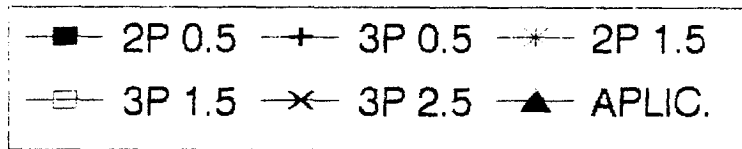
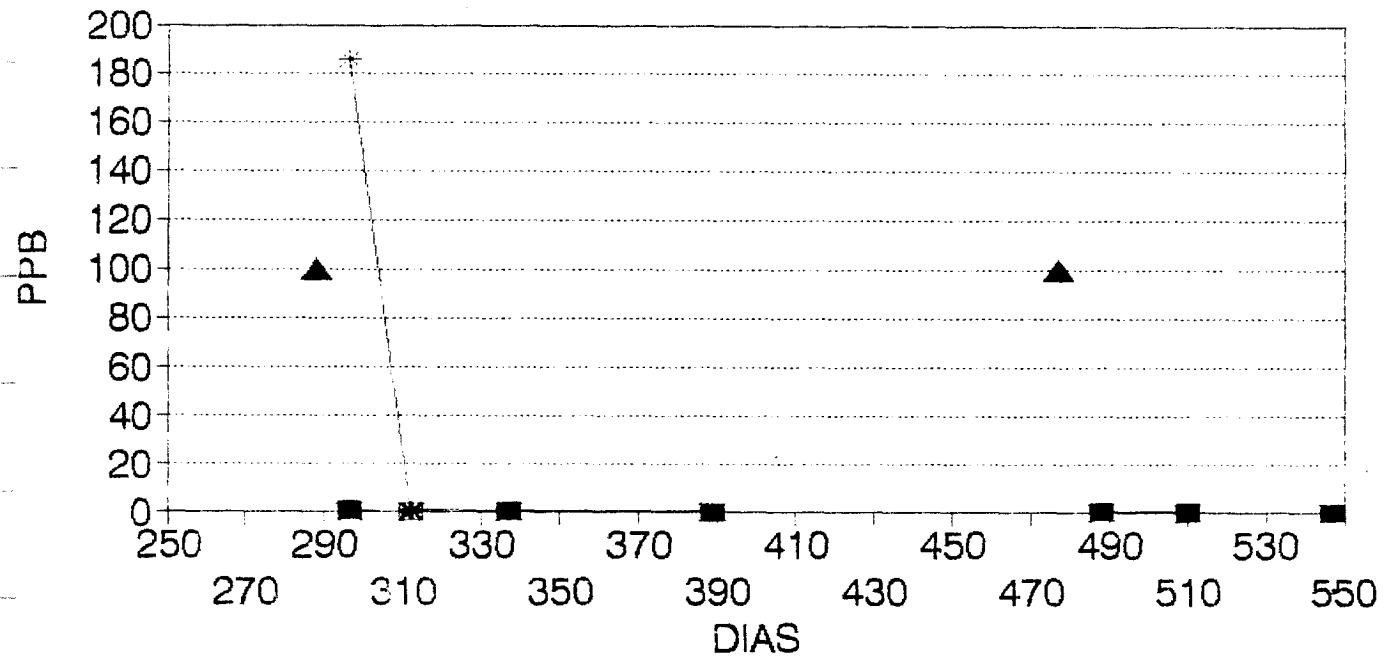
## Tomamuestras PVC (1ª fase)



■ P 0.5    + P 1.5    \* P 2.5    × APLICAC.

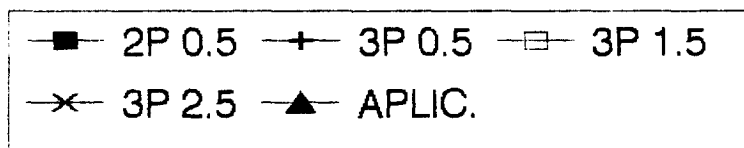
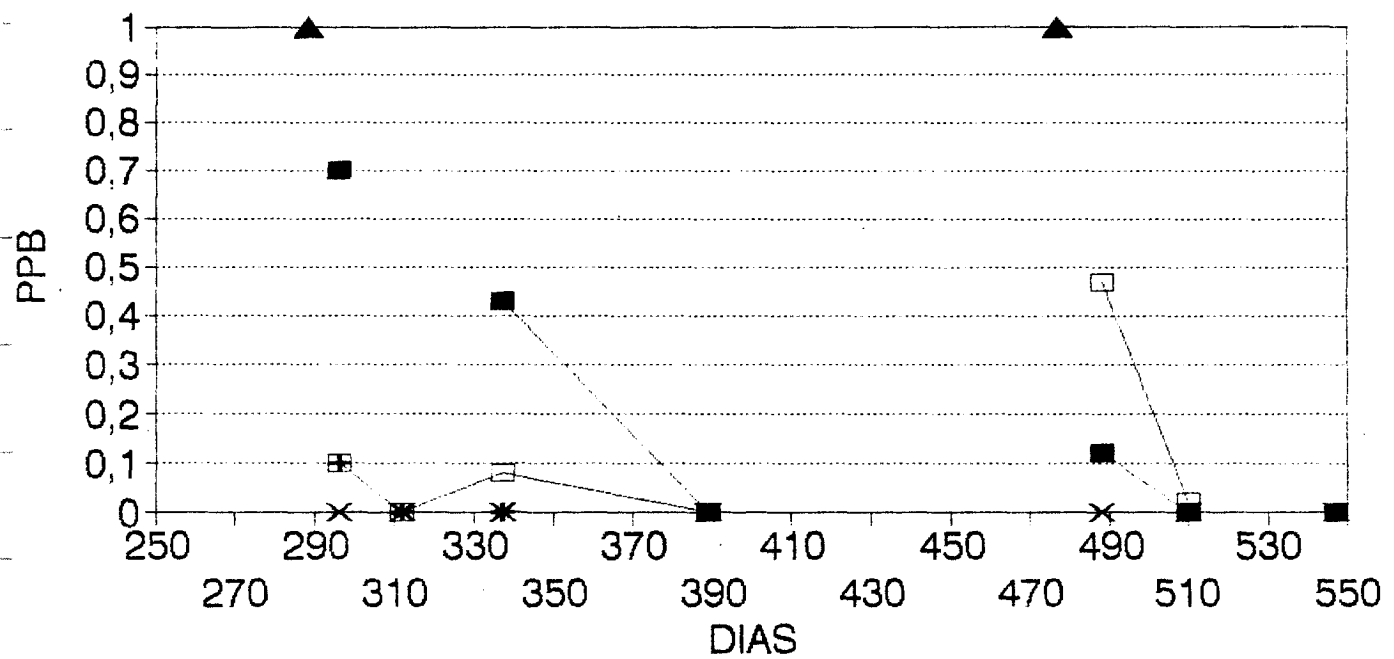
# METIDATION

## Tomamuestras PVC (2ª fase)



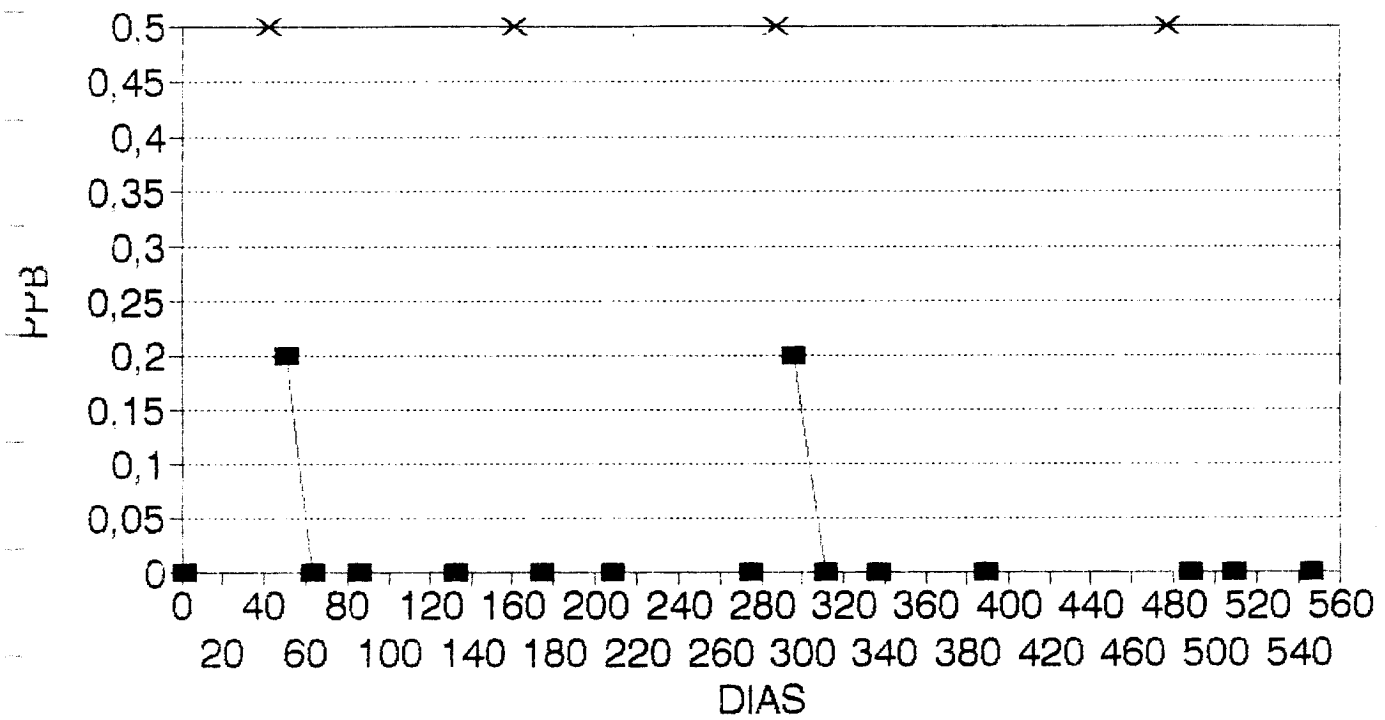
# METIDATION

## Tomamuestras PVC (2ª fase)



# METIDATION

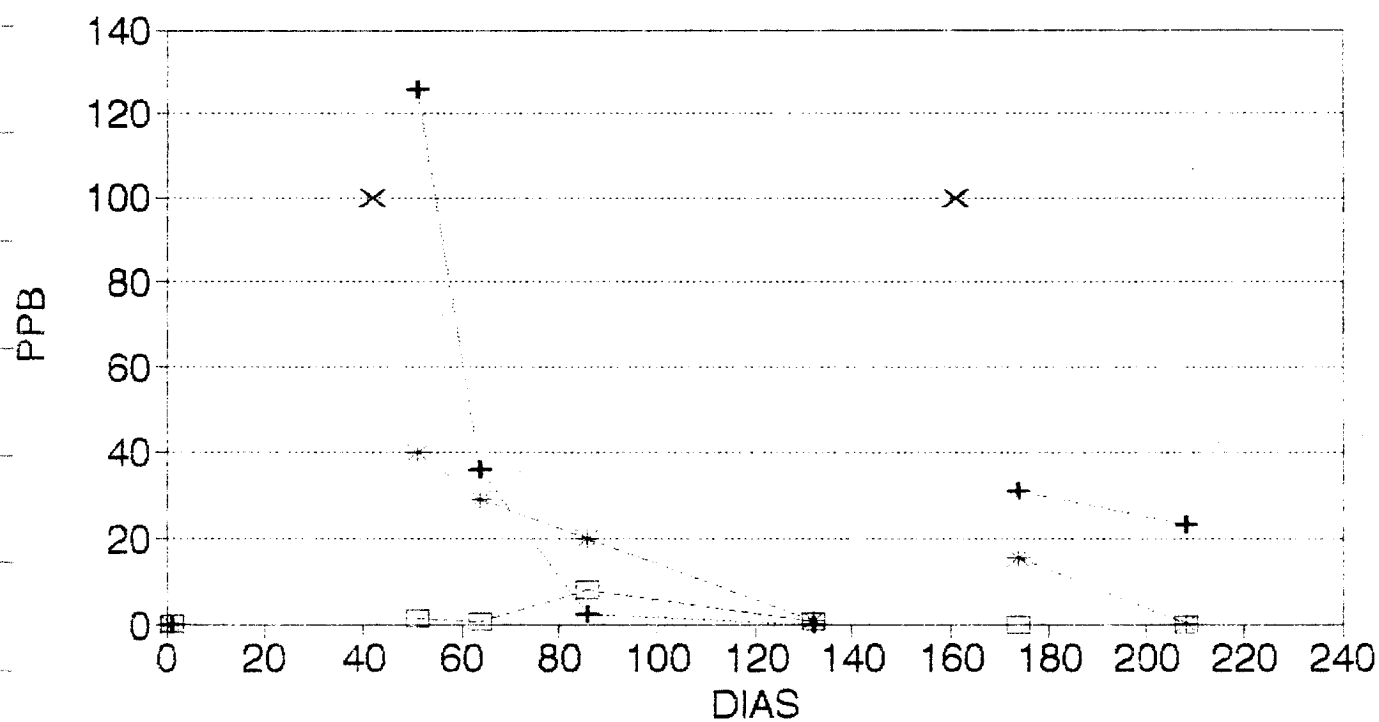
## Tomamuestras P 3.4



—■— P 3.4    —x— APLIC.

# DIMETOATO

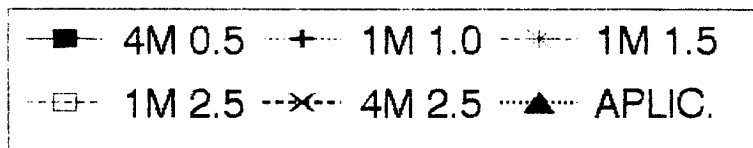
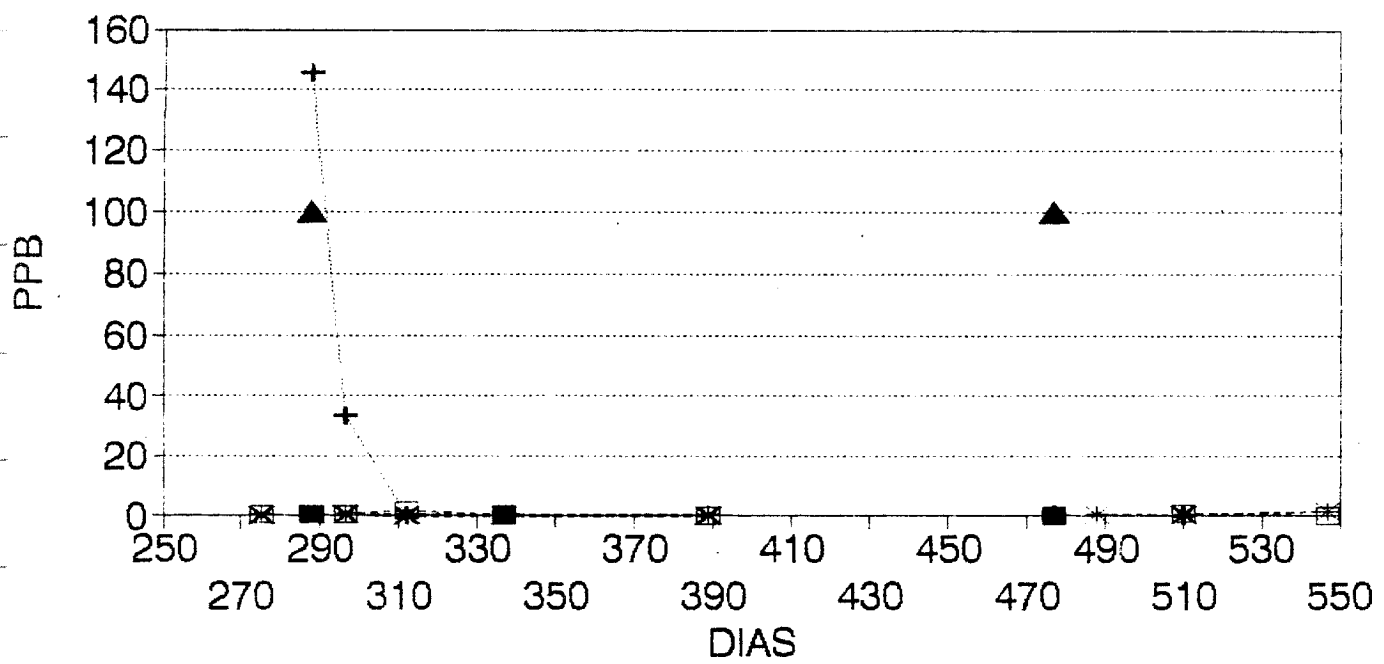
## Tomamuestras Teflón (1ª fase)



+ M 0.5    \* M 1.5    □ M 2.5    x APLIC.

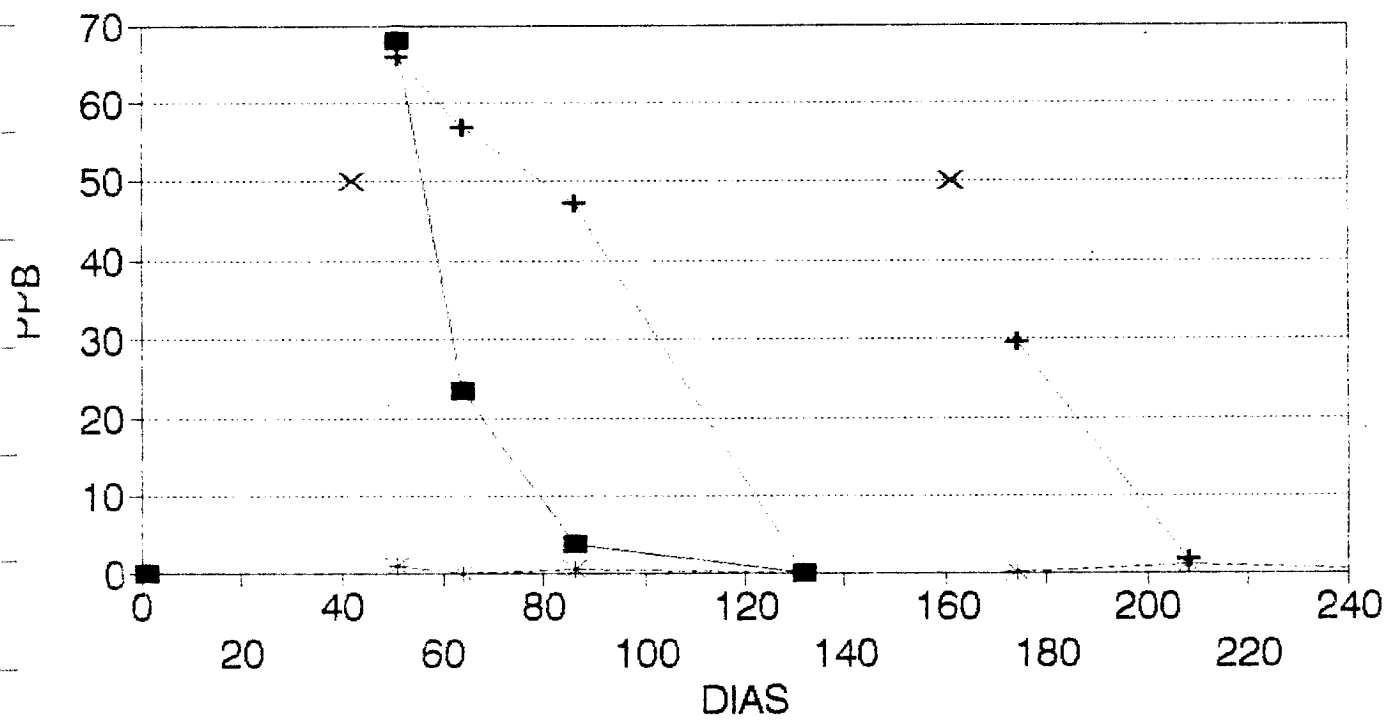
# DIMETOATO

## Tomamuestras Teflón (2ª fase)



# DIMETOATO

## Tomamuestras PVC (1ª fase)

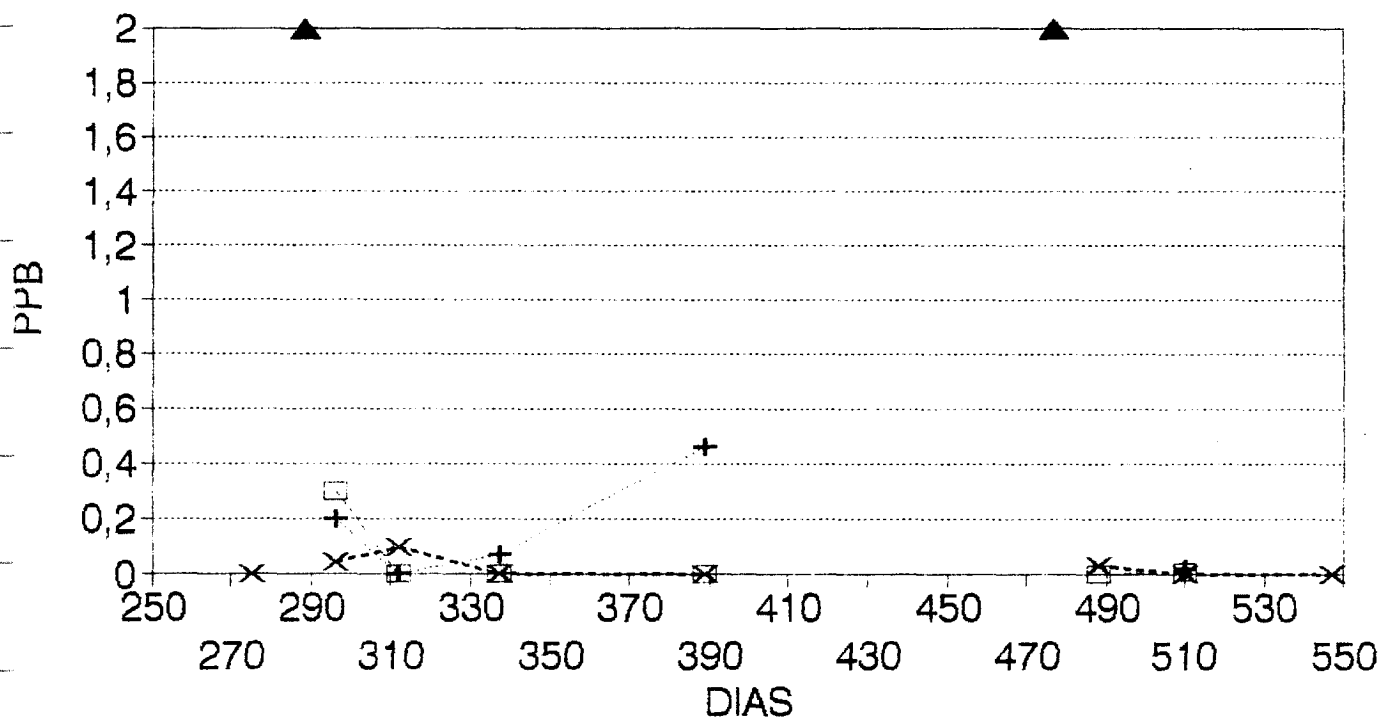


■ P 0.5    + P 1.5    \* P 2.5    -x- APLIC.



# DIMETOATO

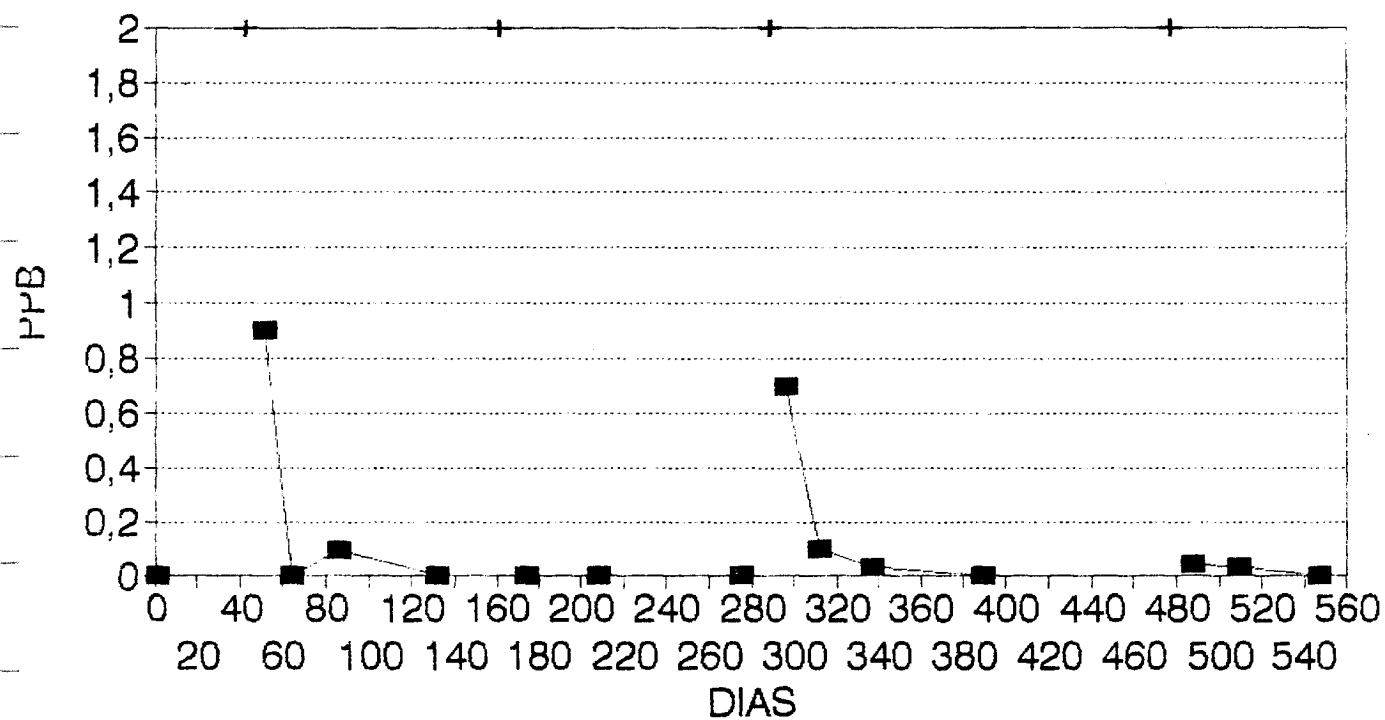
## Tomamuestras PVC (2ª fase)



+ 3P 0.5    □ 3P 1.5    x 3P 2.5    ▲ APLIC.

# DIMETOATO

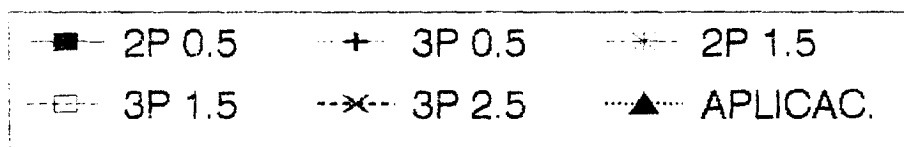
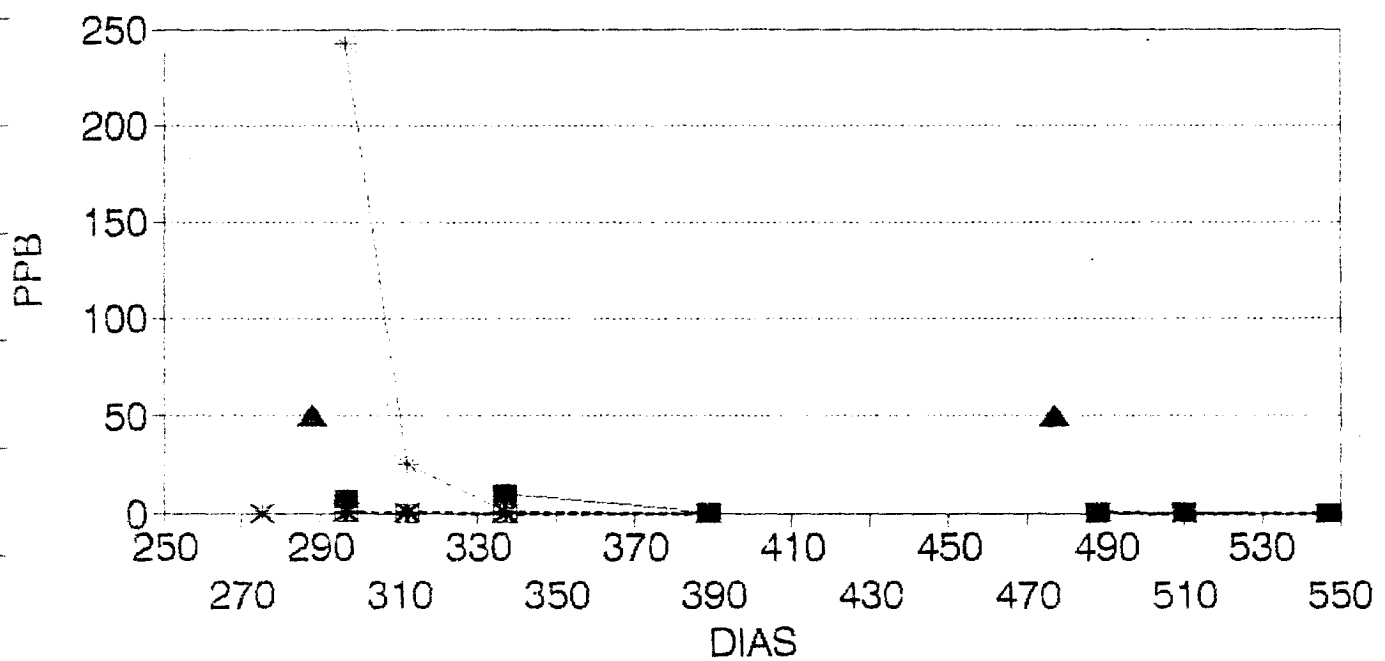
## Tomamuestras P 3.4



—■— P 3.4    -+ - APLIC.

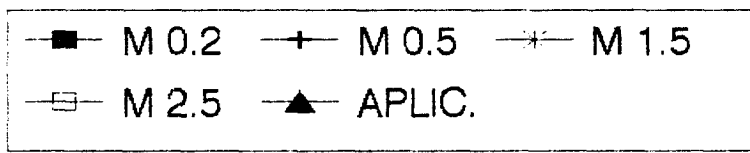
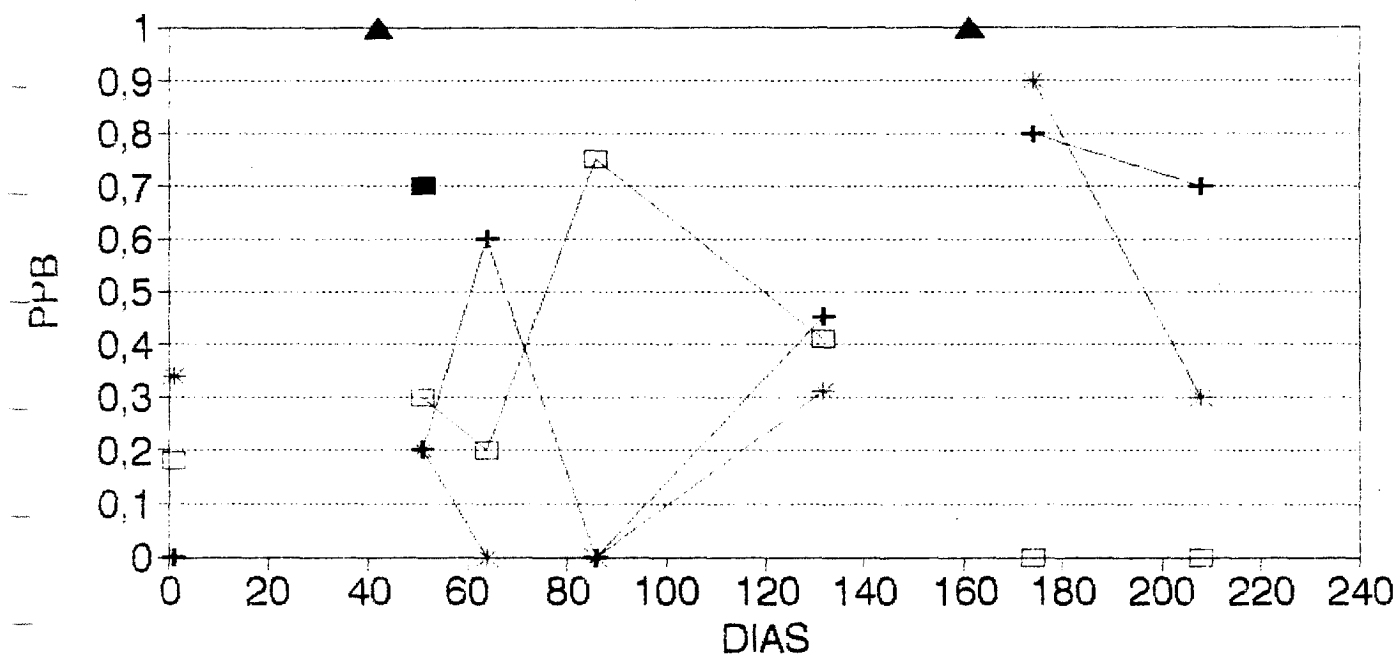
# DIMETOATO

## Tomamuestras PVC (2ª fase)



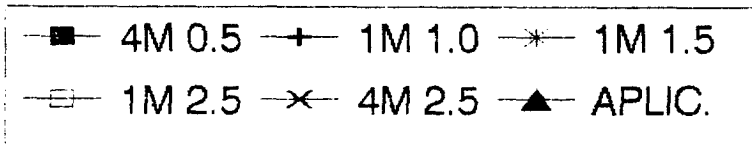
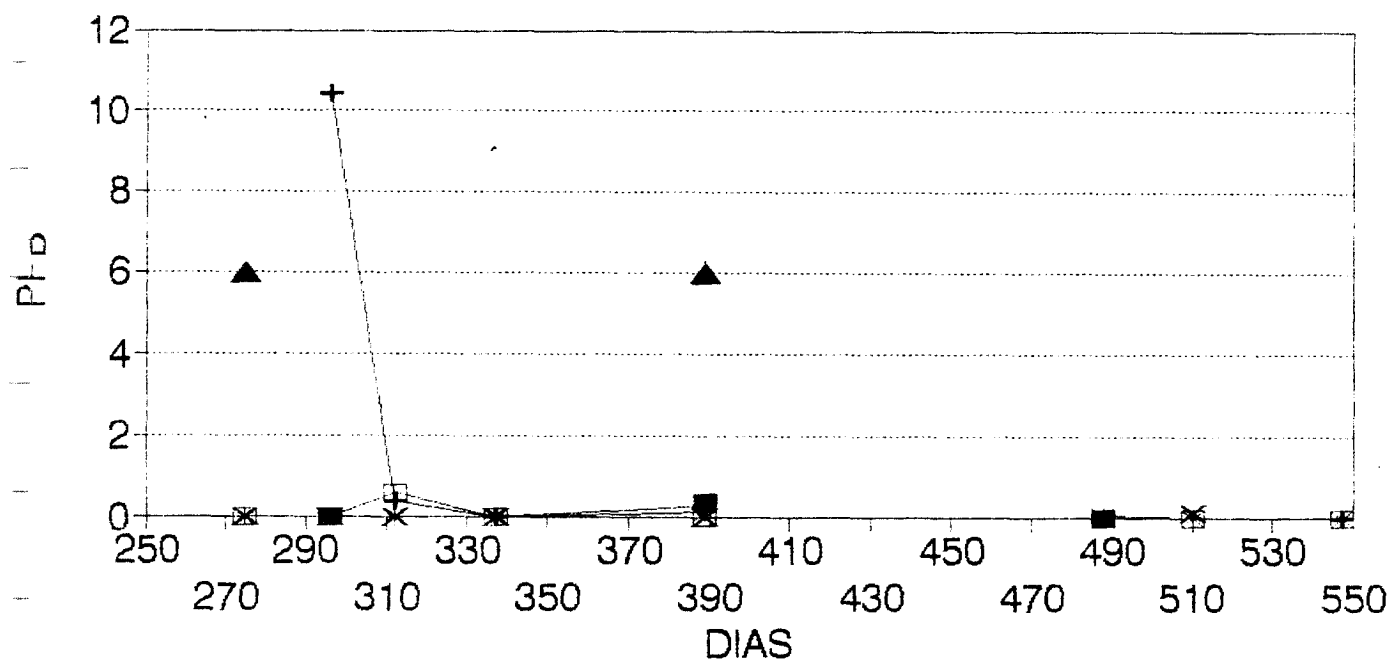
# TETRADIFON

## Tomamuestras Teflón (1ª fase)



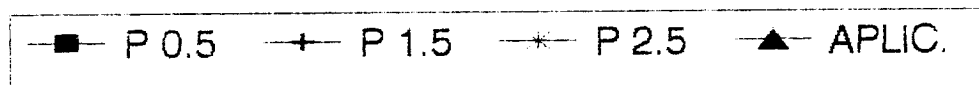
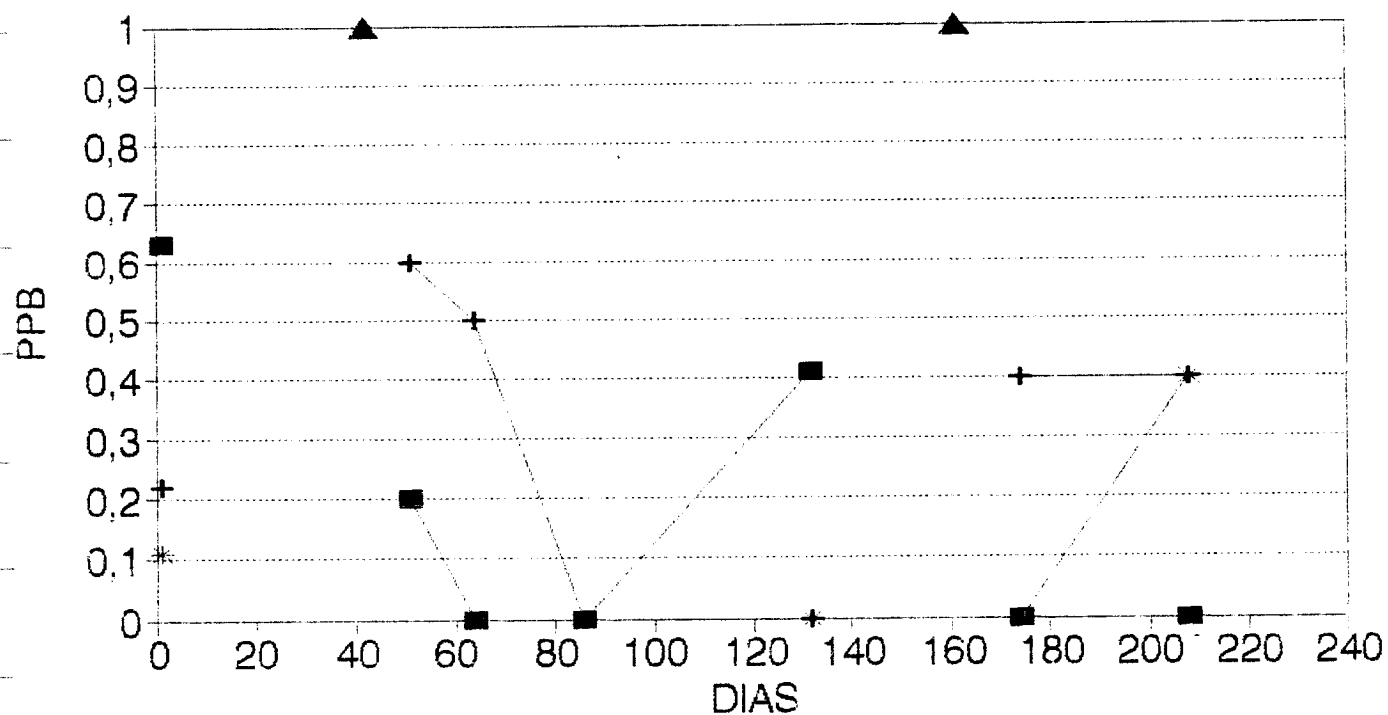
# TETRADIFON

## Tomamuestras Teflón (2ª fase)



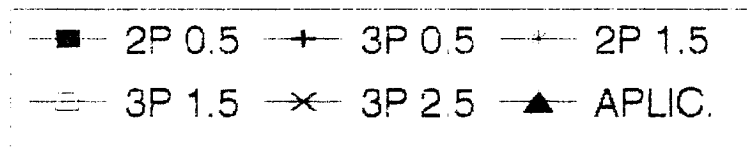
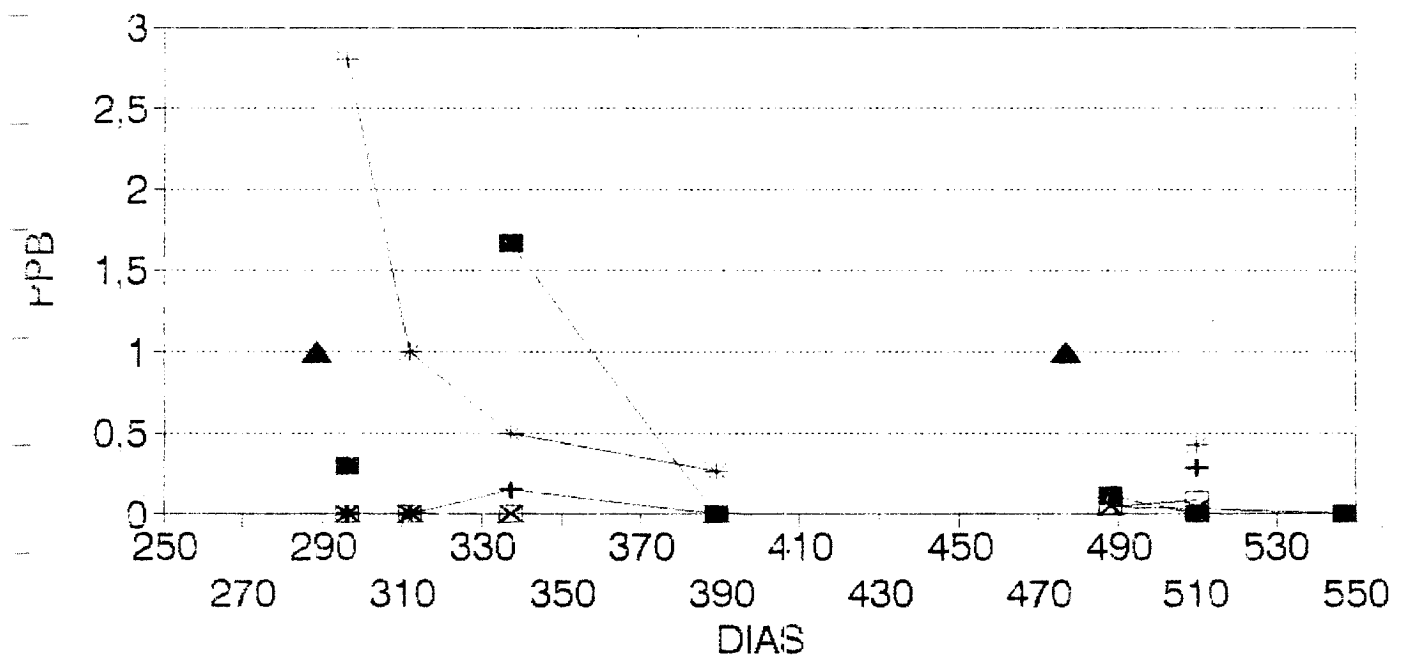
# TETRADIFON

## Tomamuestras PVC (1ª fase)



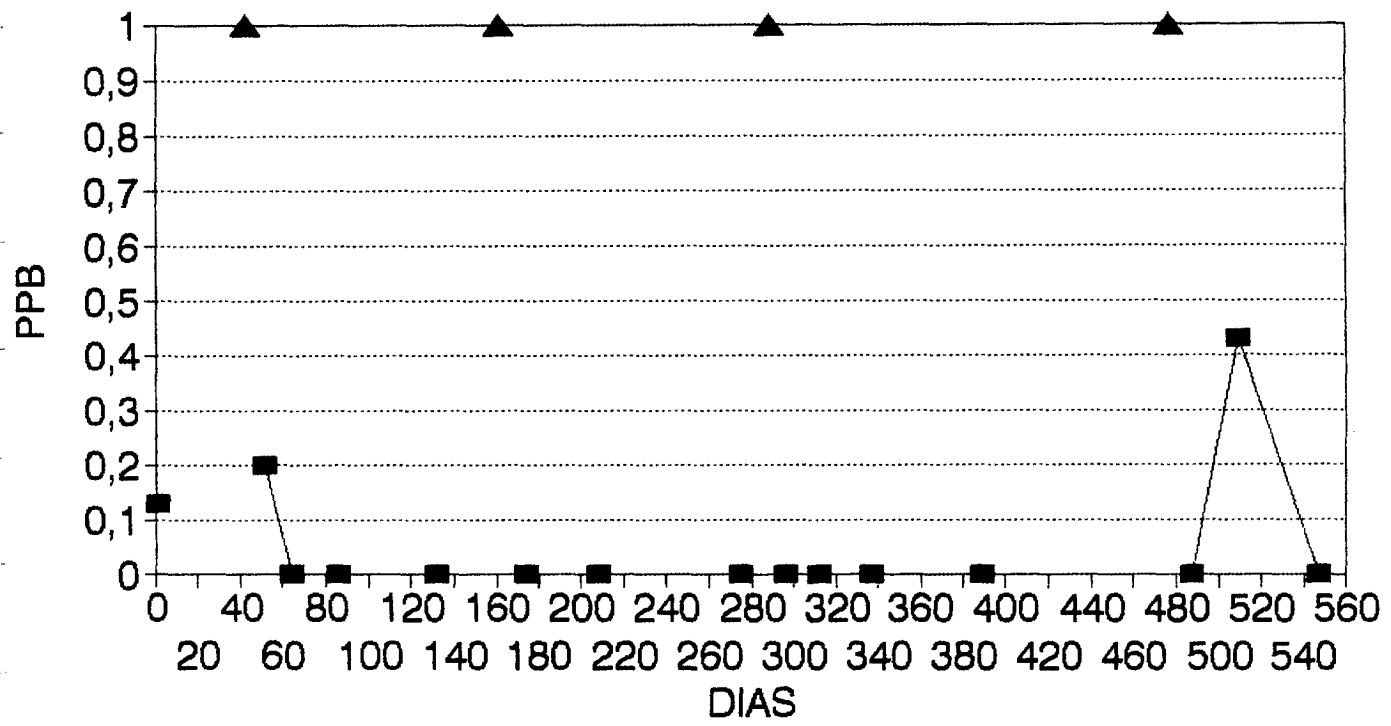
# TETRADIFON

## Tomamuestras PVC (2ª fase)



# TETRADIFON

Tomamuestras P 3.4

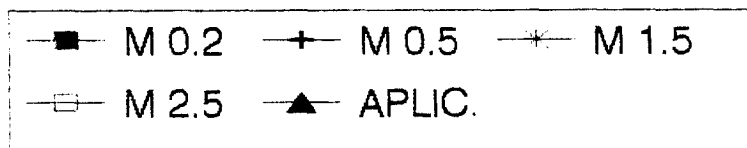
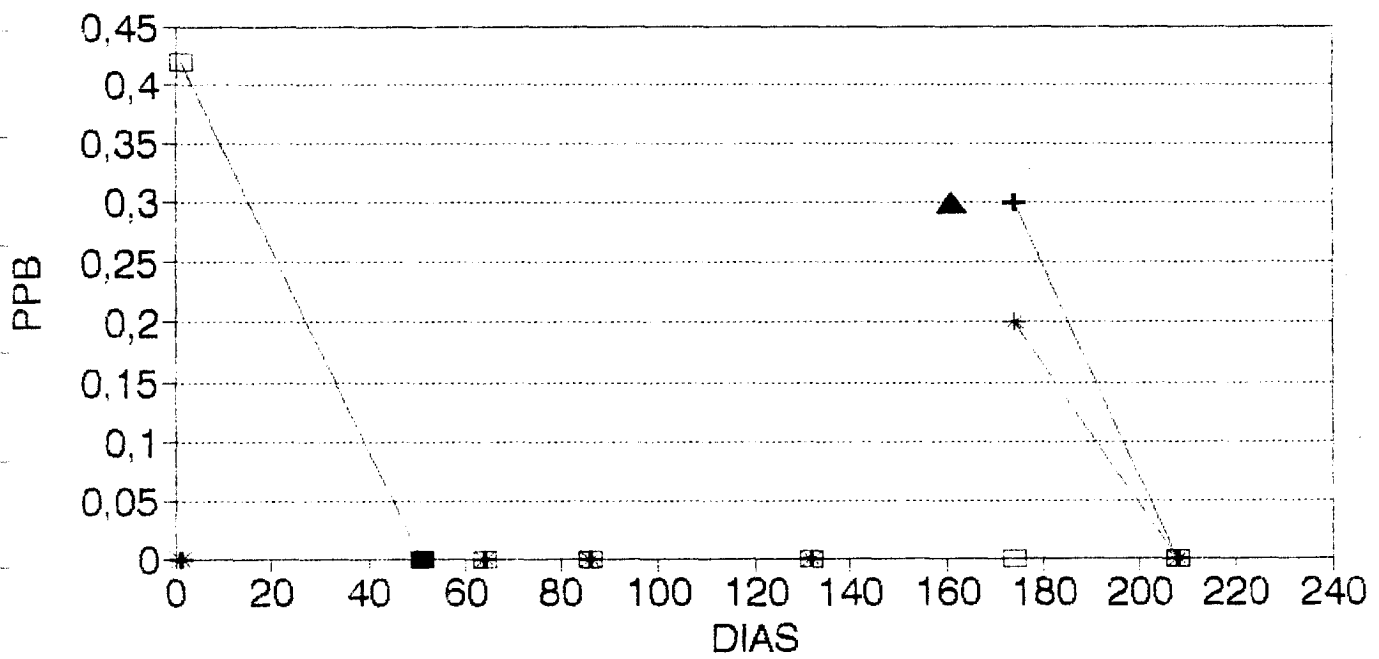


—■— P 3.4    —▲— APLIC.



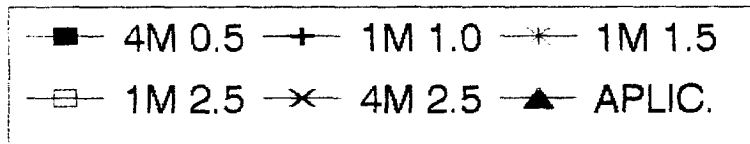
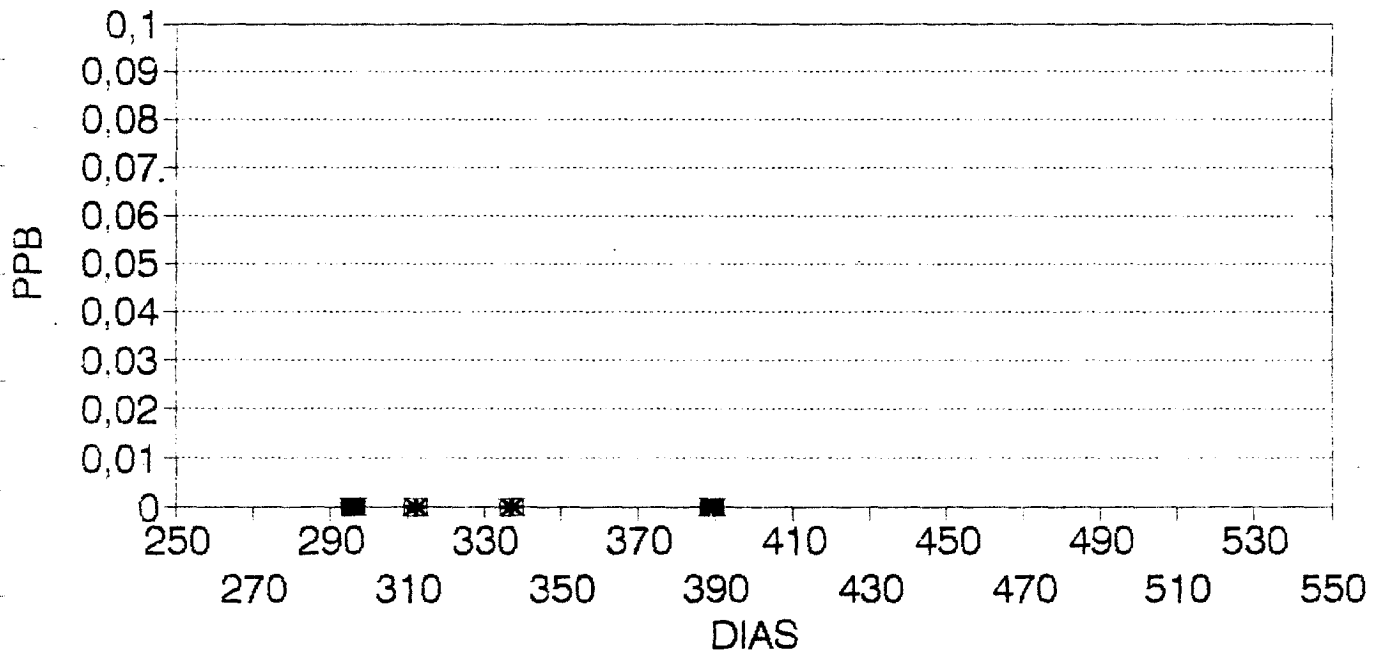
# FENITROTION

## Tomamuestras Teflón (1ª fase)



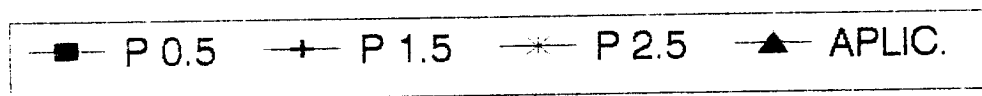
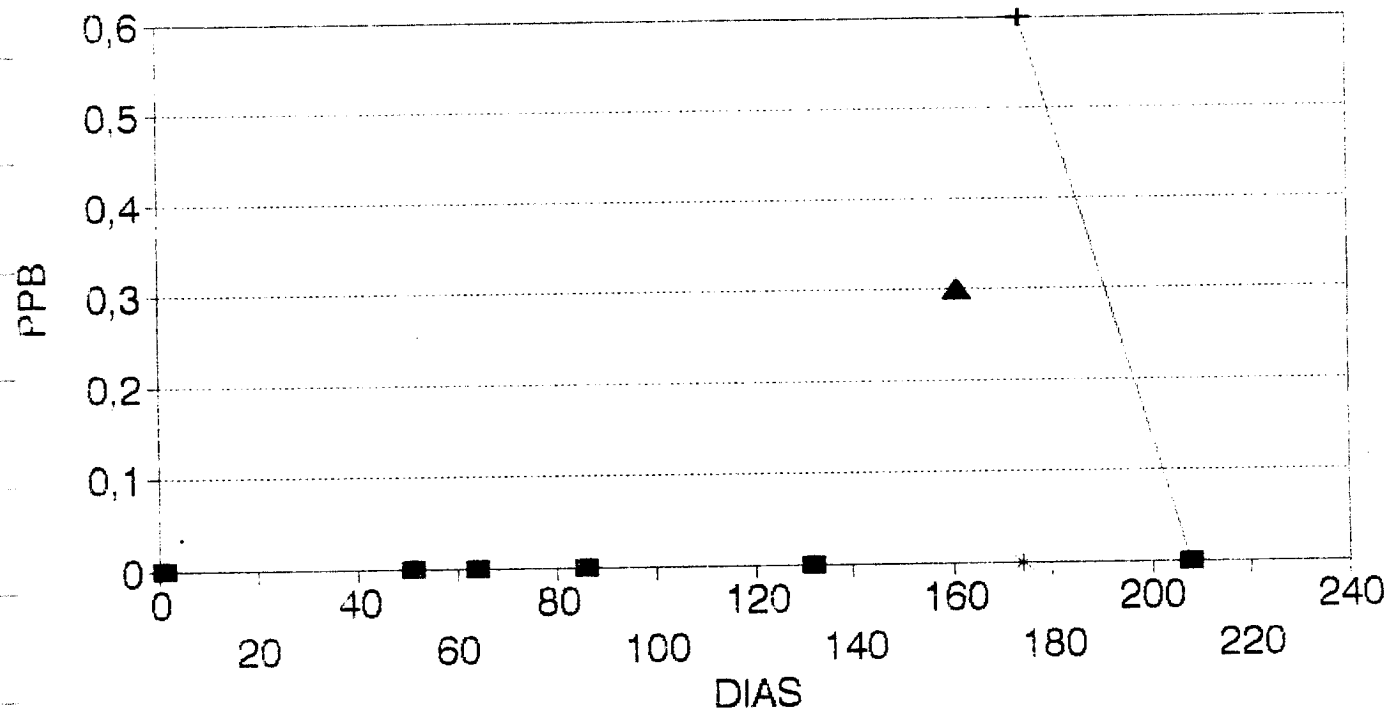
# FENITROTION

## Tomamuestras Teflón (2ª fase)



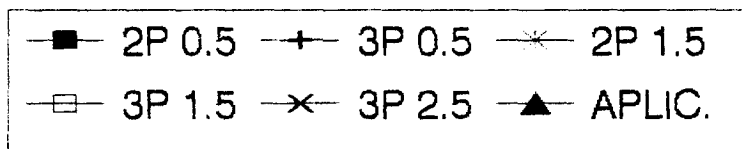
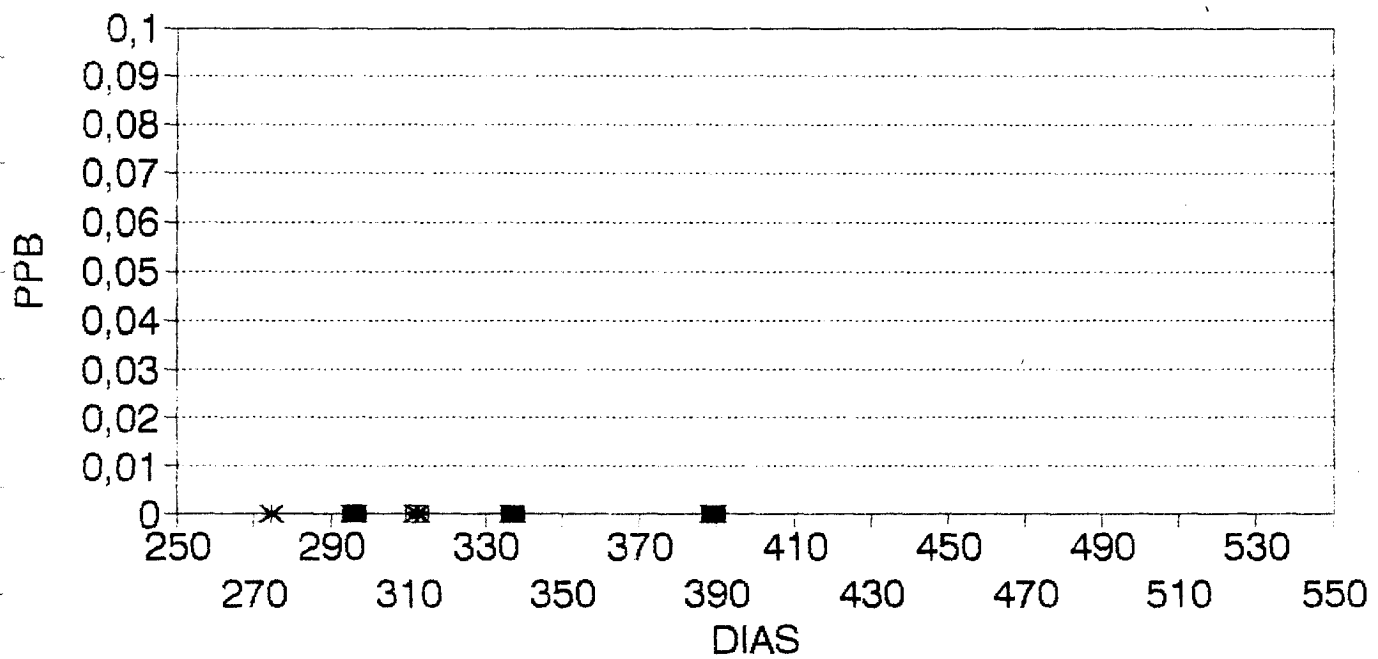
# FENITROTION

• Tomamuestras PVC (1ª fase)



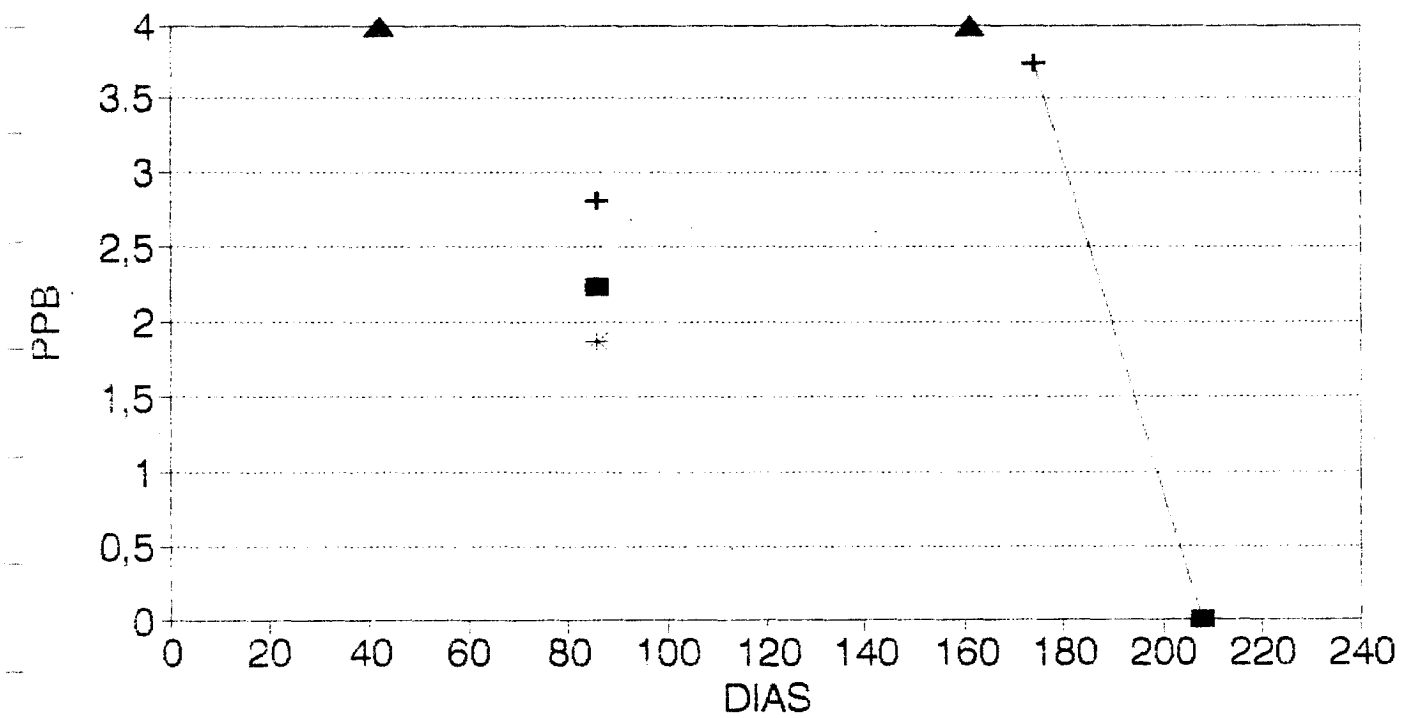
# FENITROTION

## Tomamuestras PVC (2ª fase)



# MCPA

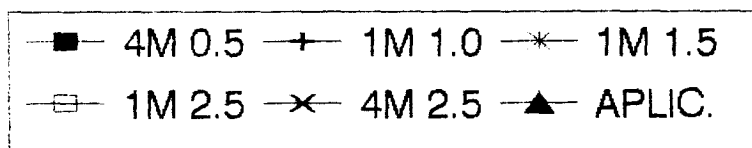
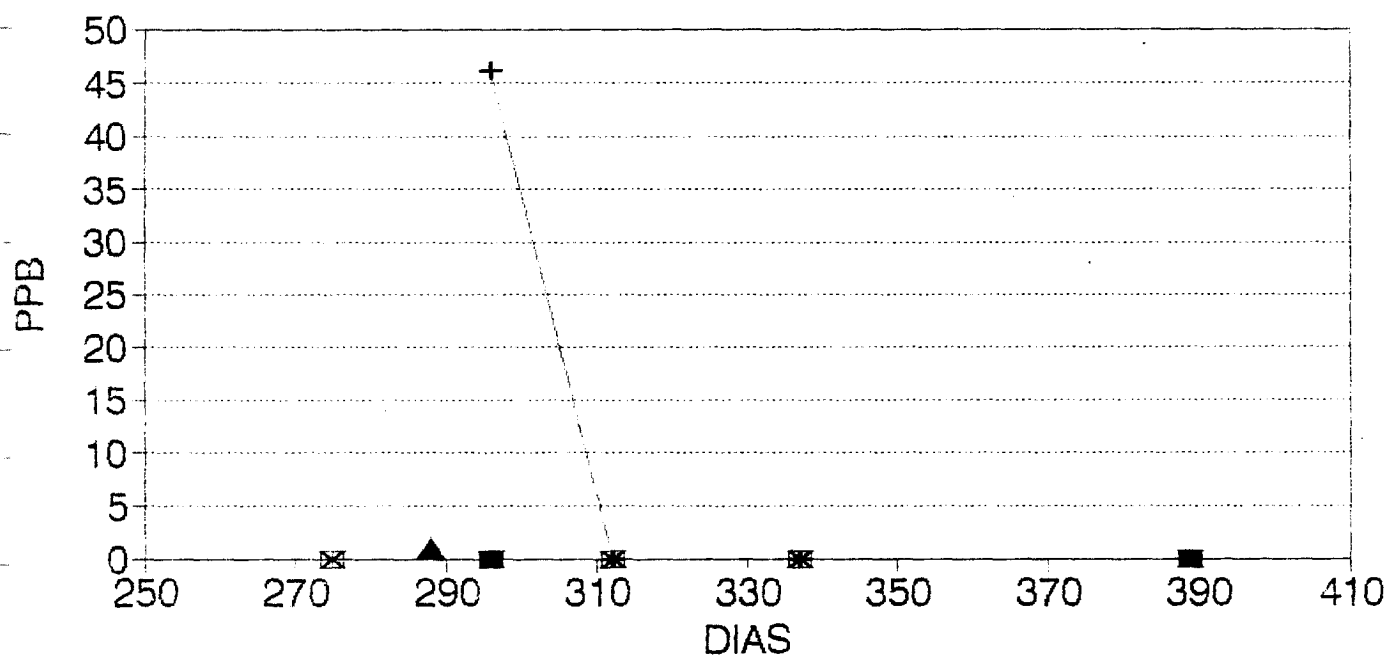
Tomamuestras Teflón (1ª fase)



■ M 0.5    + M 1.5    \* M 2.5    ▲ APLIC.

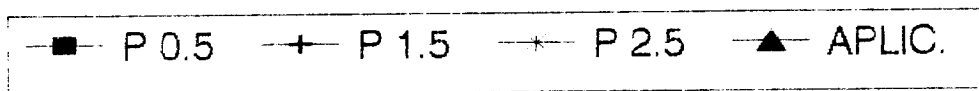
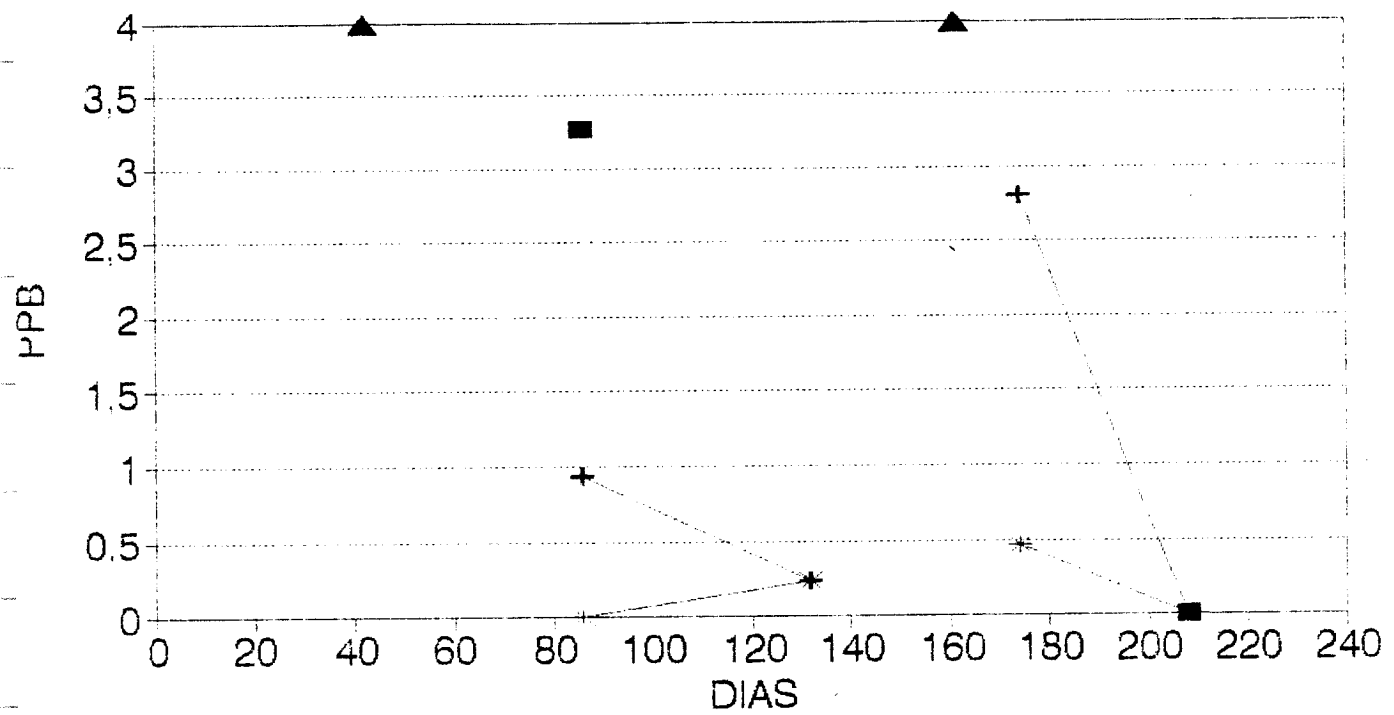
# MCPA

## Tomamuestras Teflón (2ª fase)



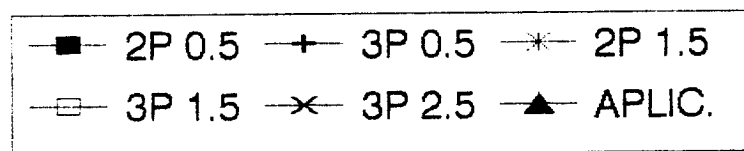
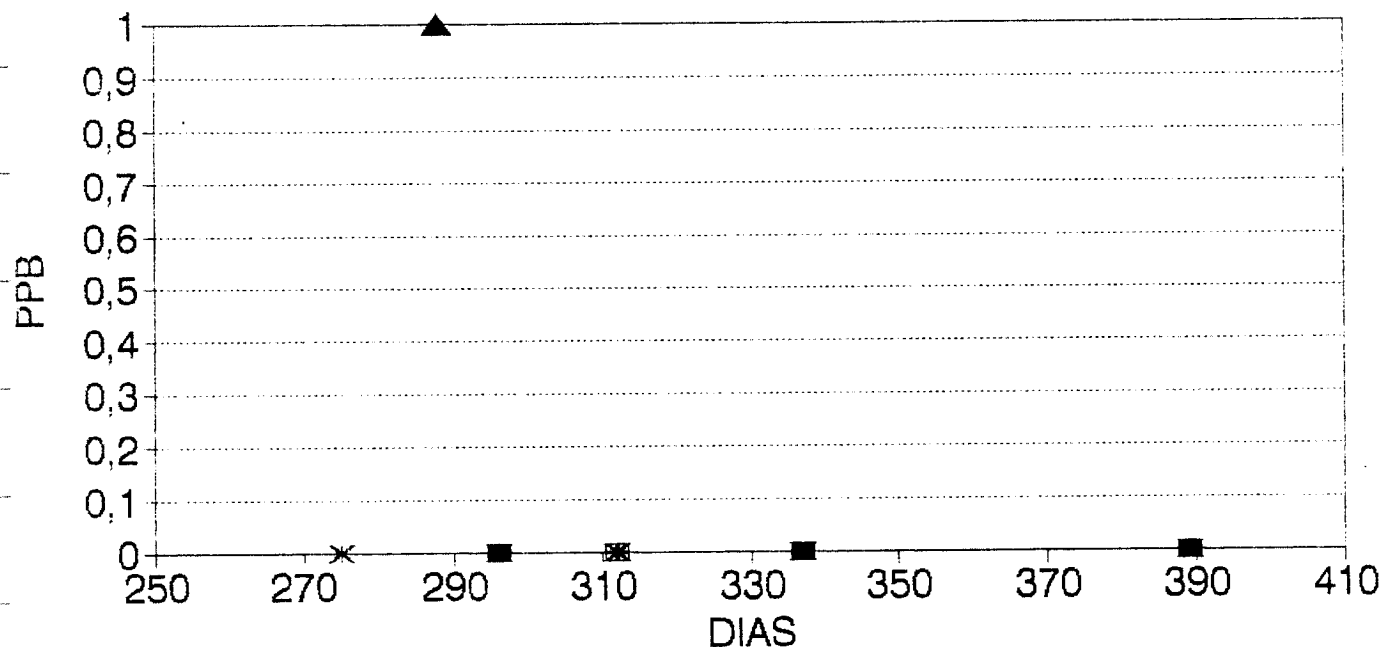
# MCPA

Tomamuestras PVC (1ª fase)



# MCPA

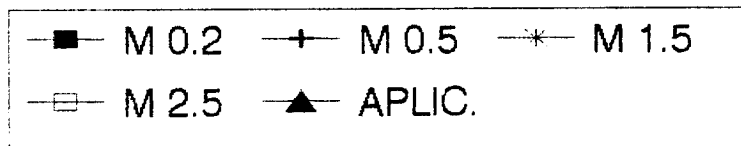
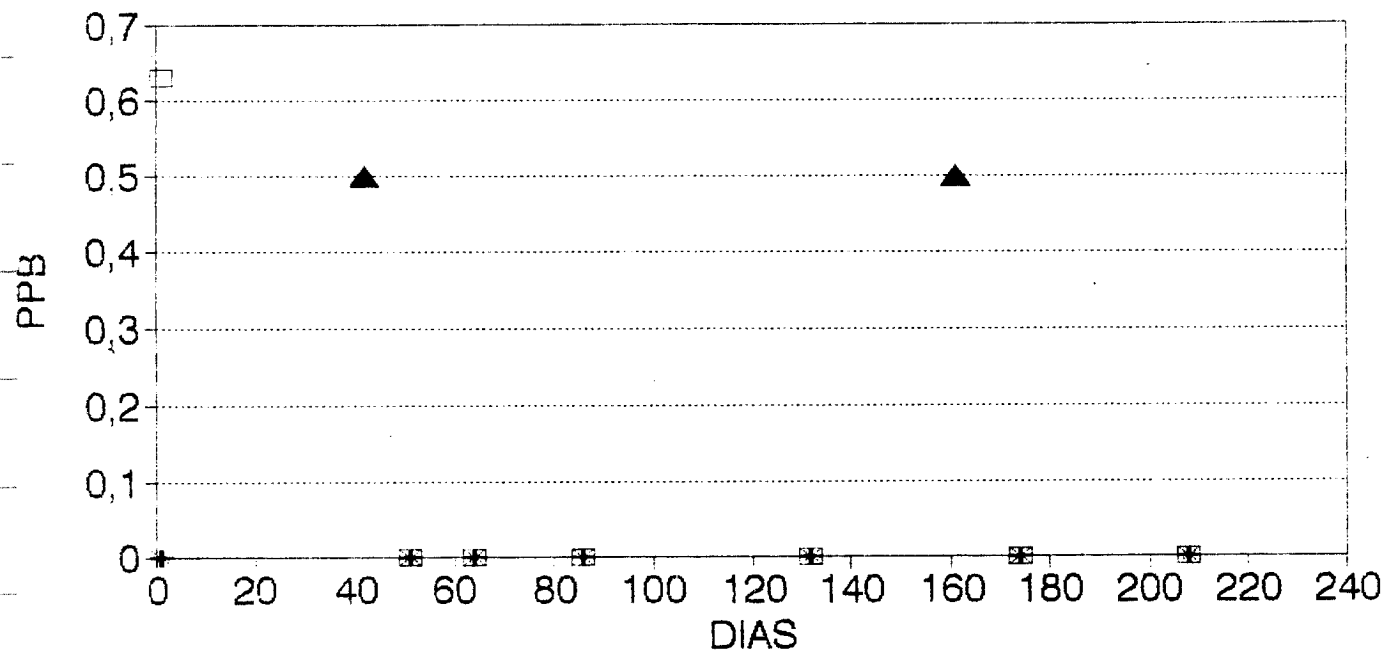
## Tomamuestras PVC (2ª fase)





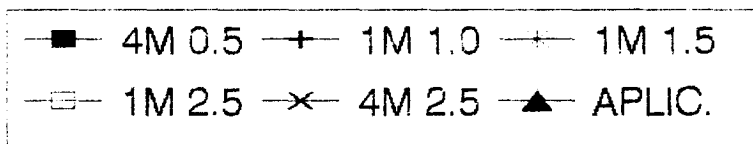
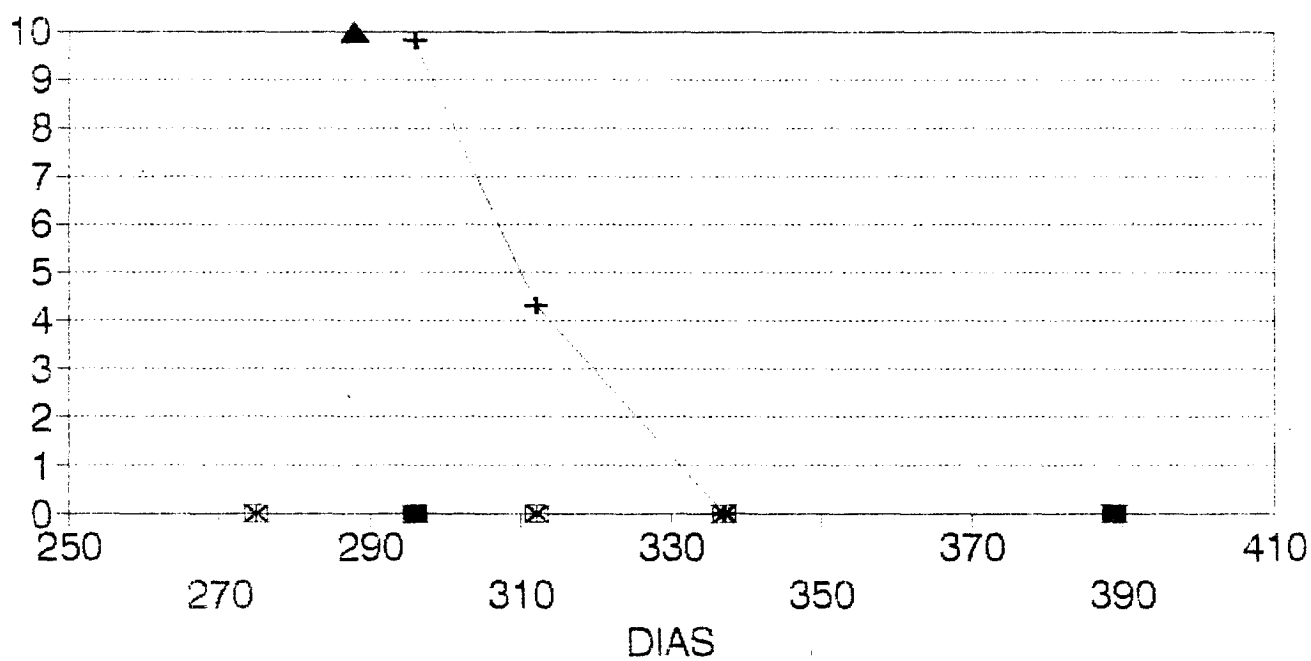
# KELTANO

## Tomamuestras Teflón (1ª fase)



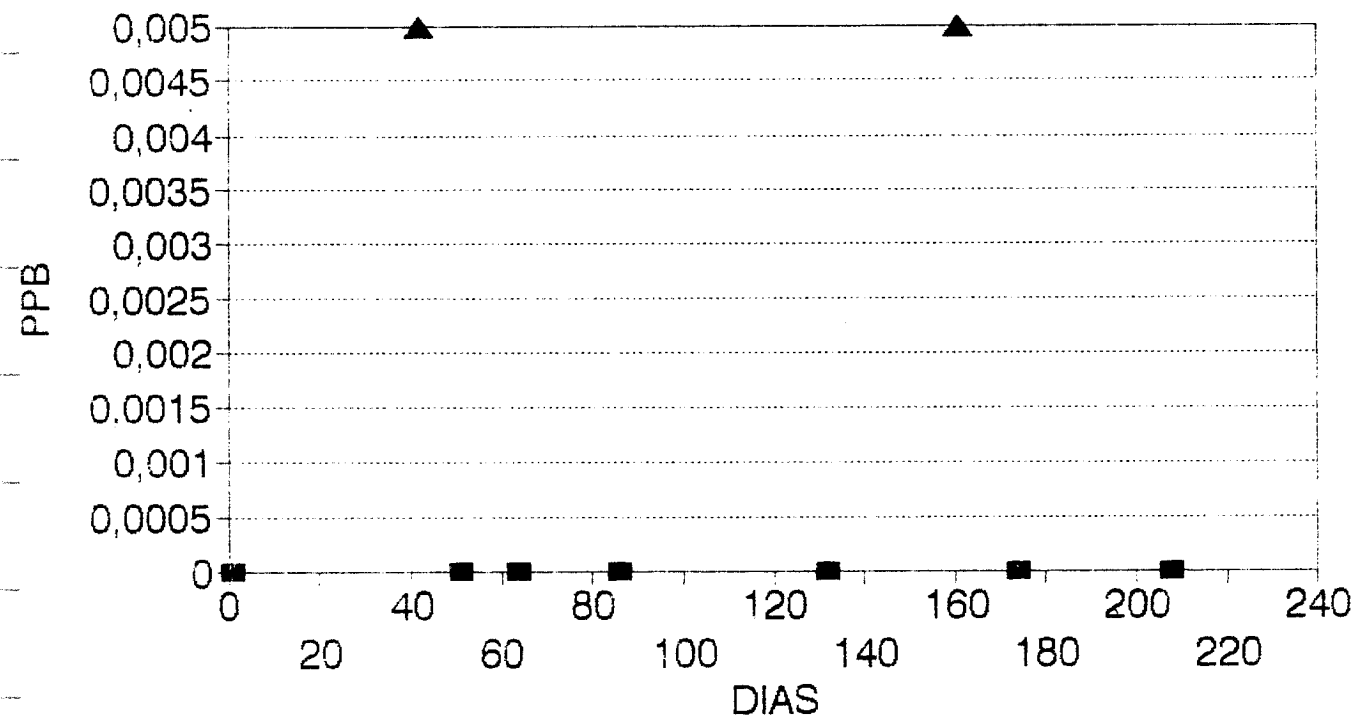
# KELTANO

Tomamuestras Teflón (2ª fase)



# KELTANO

## Tomamuestras PVC (1ª fase)



■ P 0.5    + P 1.5    \* P 2.5    ▲ APLIC.

# KELTANO

## Tomamuestras PVC (2ª fase)

