Condizioni Strumentali: Autocampionatore

MPS2 - SPME

Heating / Agitation

		Actual	
Incubation Temp.	105		°C
Incubation Time	30.00		min
Agitator Speed	500		rpm
Agitator On Time	90		s
Agitator Off Time	1		s

Injection Cycle Settings

Cycle Time	50.0	min

Sample

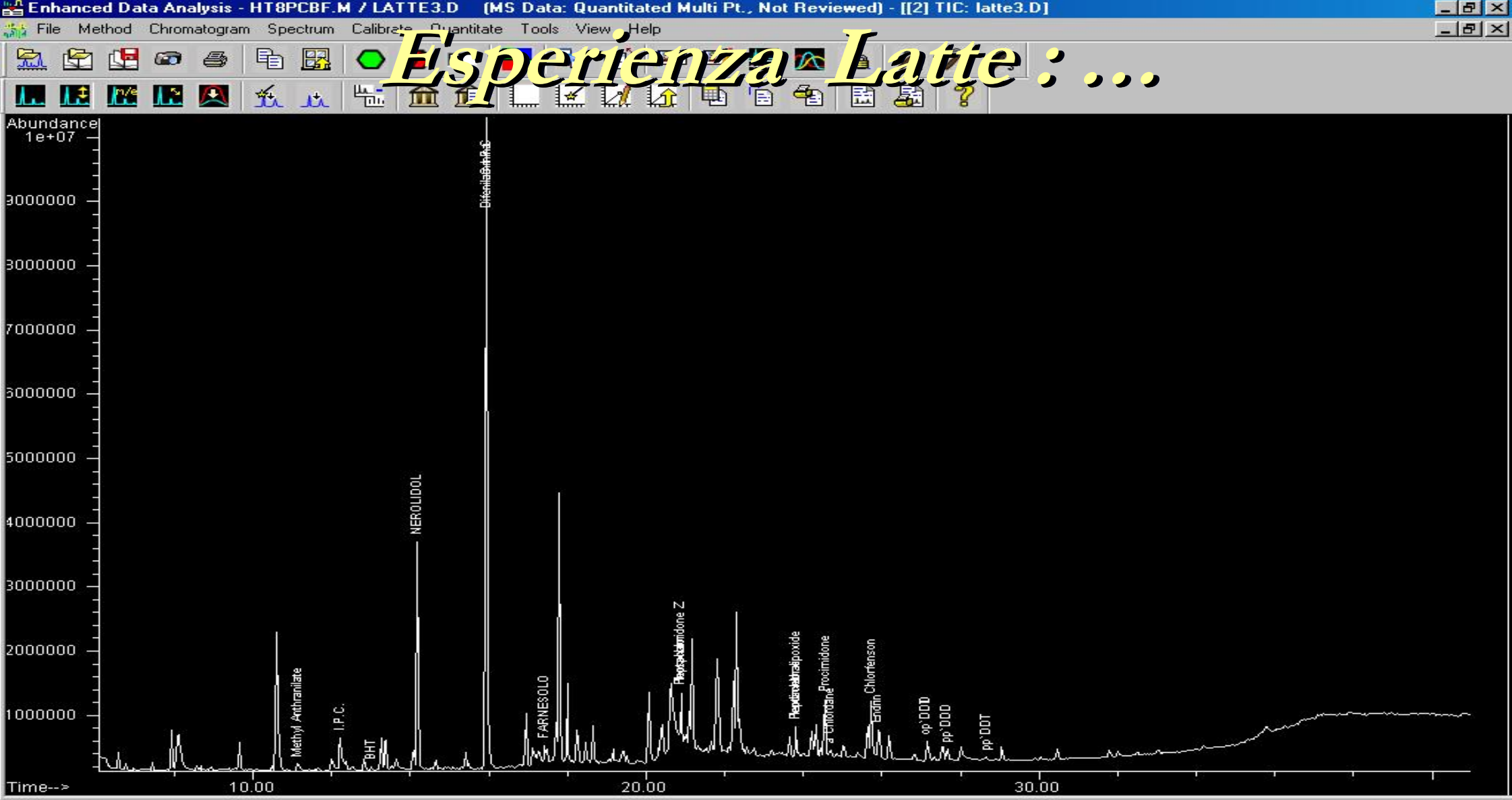
Vial Penetration	23.00	mm
Extraction Time	20.00	min
Inj. Penetration	50.00	mm
Desorption Time	210	s

Options...

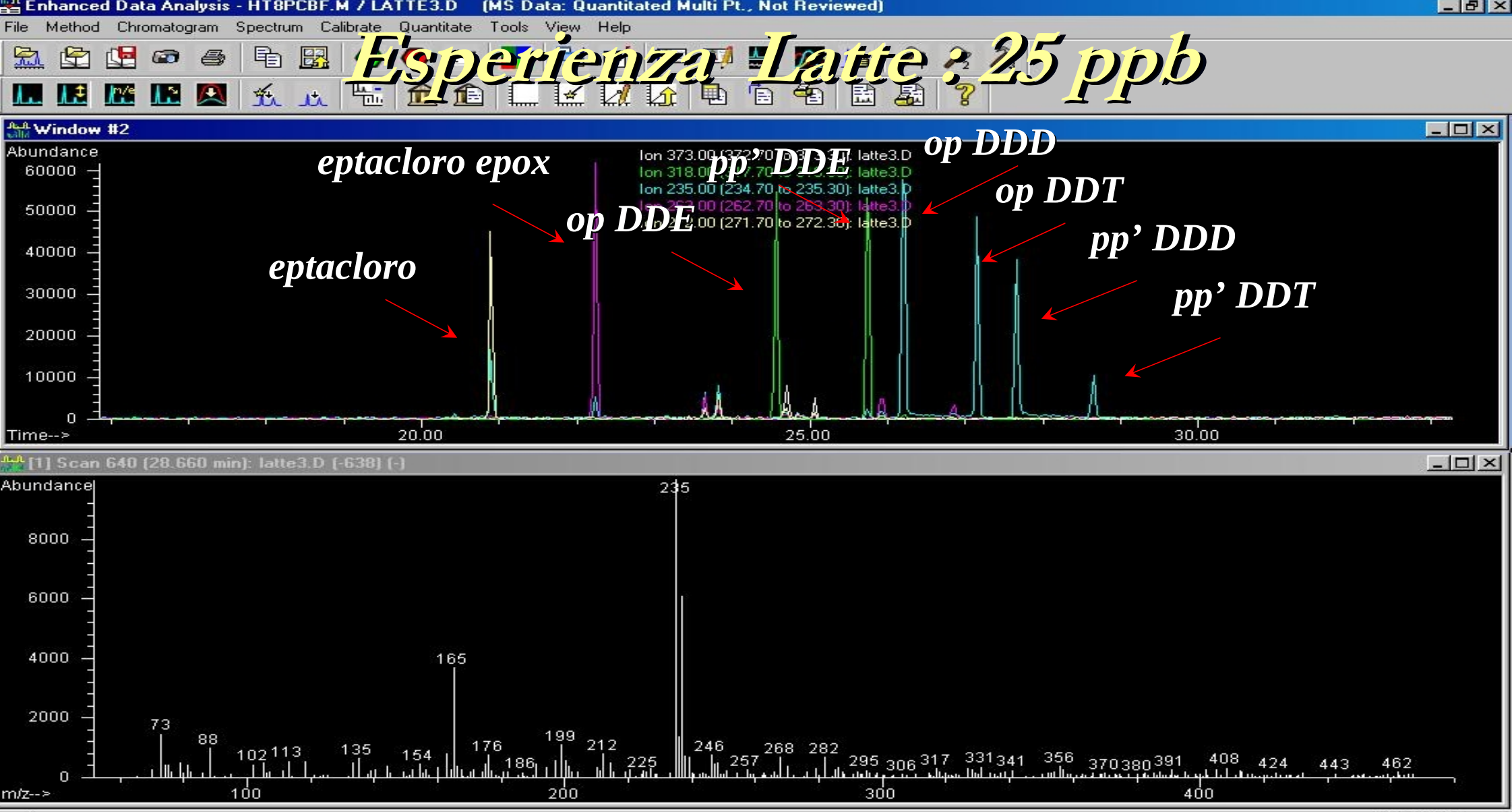
Apply | OK | Cancel

A.R.P.A.F-VG dip. TRIESTEA.R.P.A.
F-VG dip. Trieste

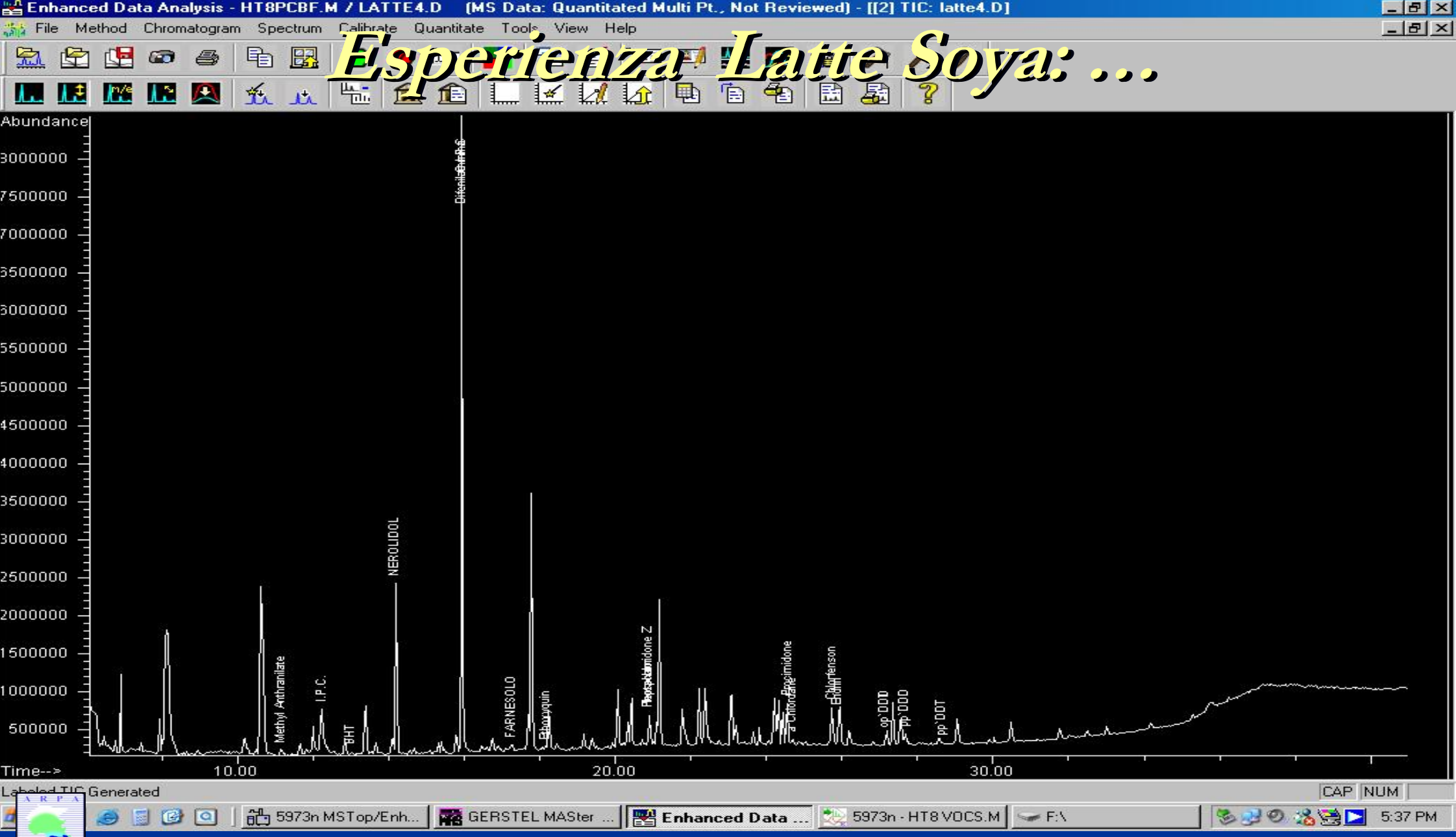
Esperienza Latte : …



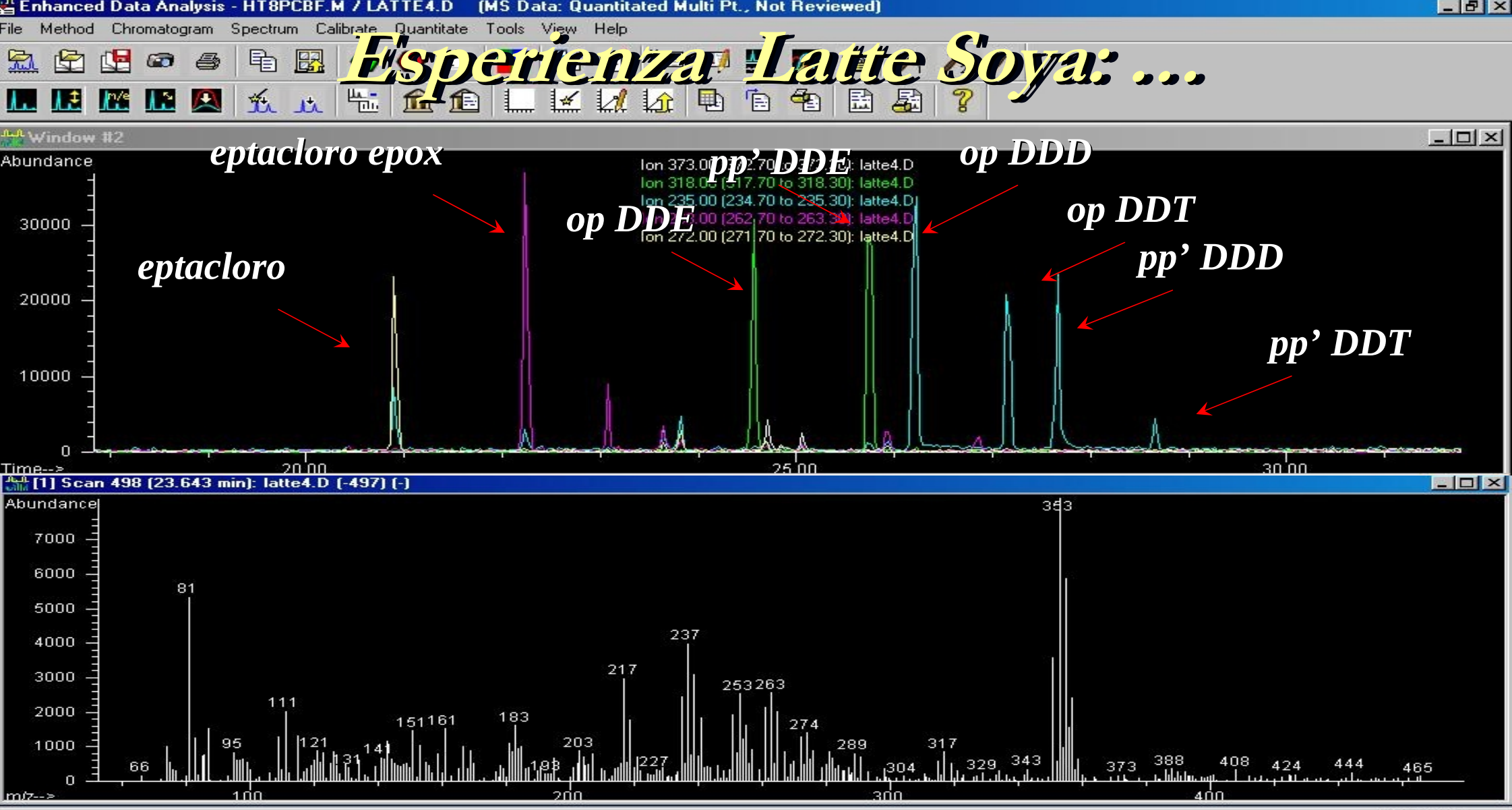
Esperienza Latte : 25 ppb

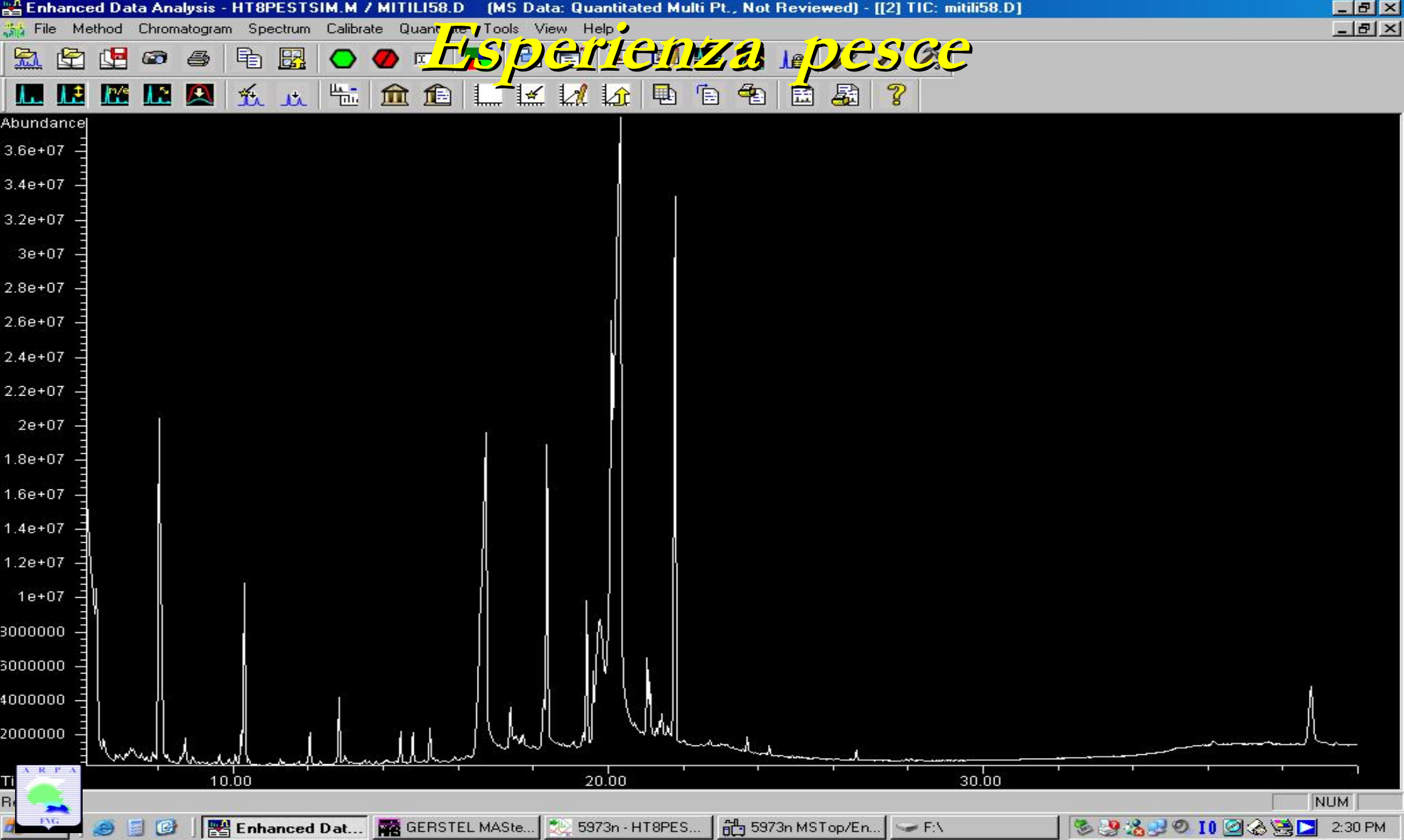


Esperienza Latte Soya: …

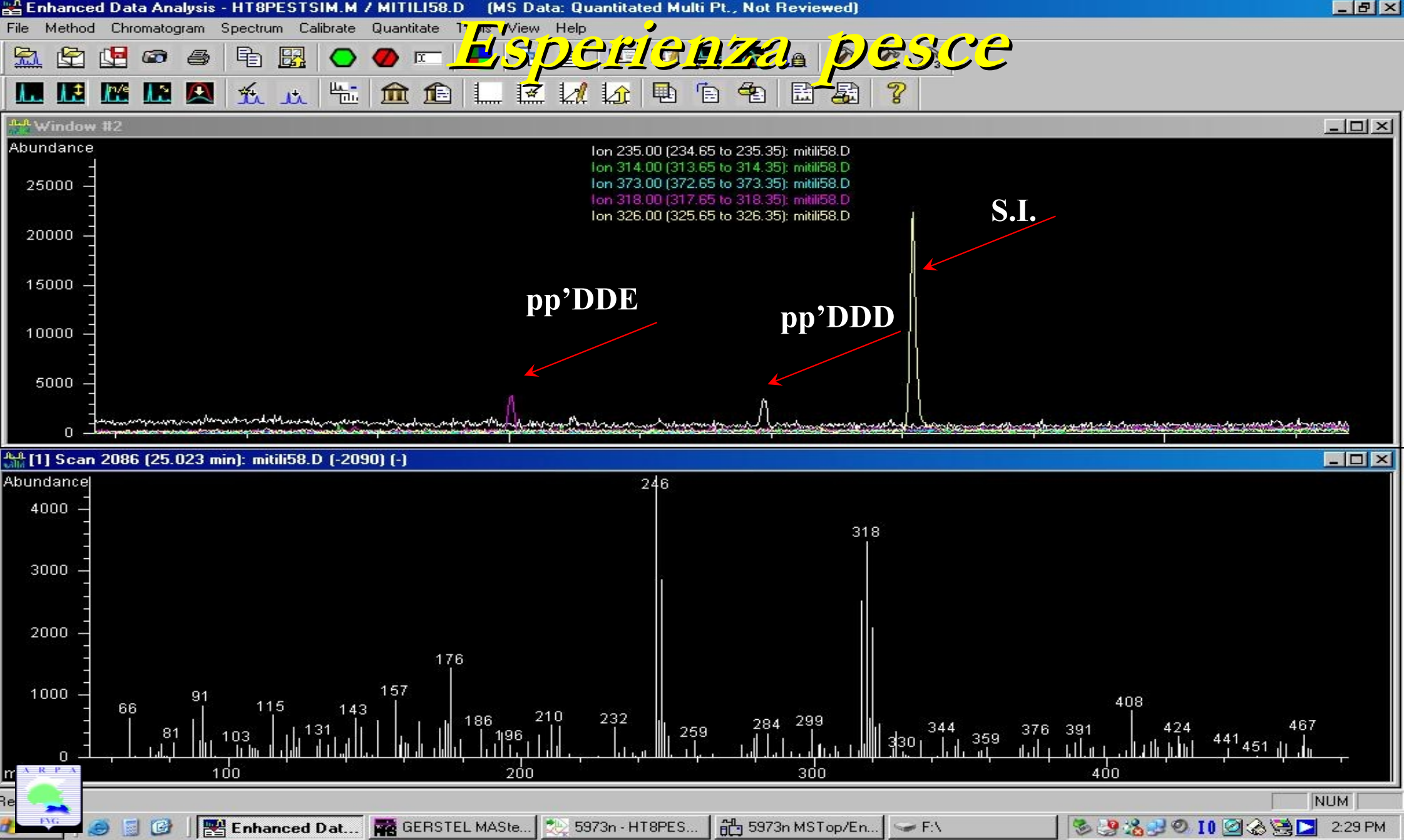


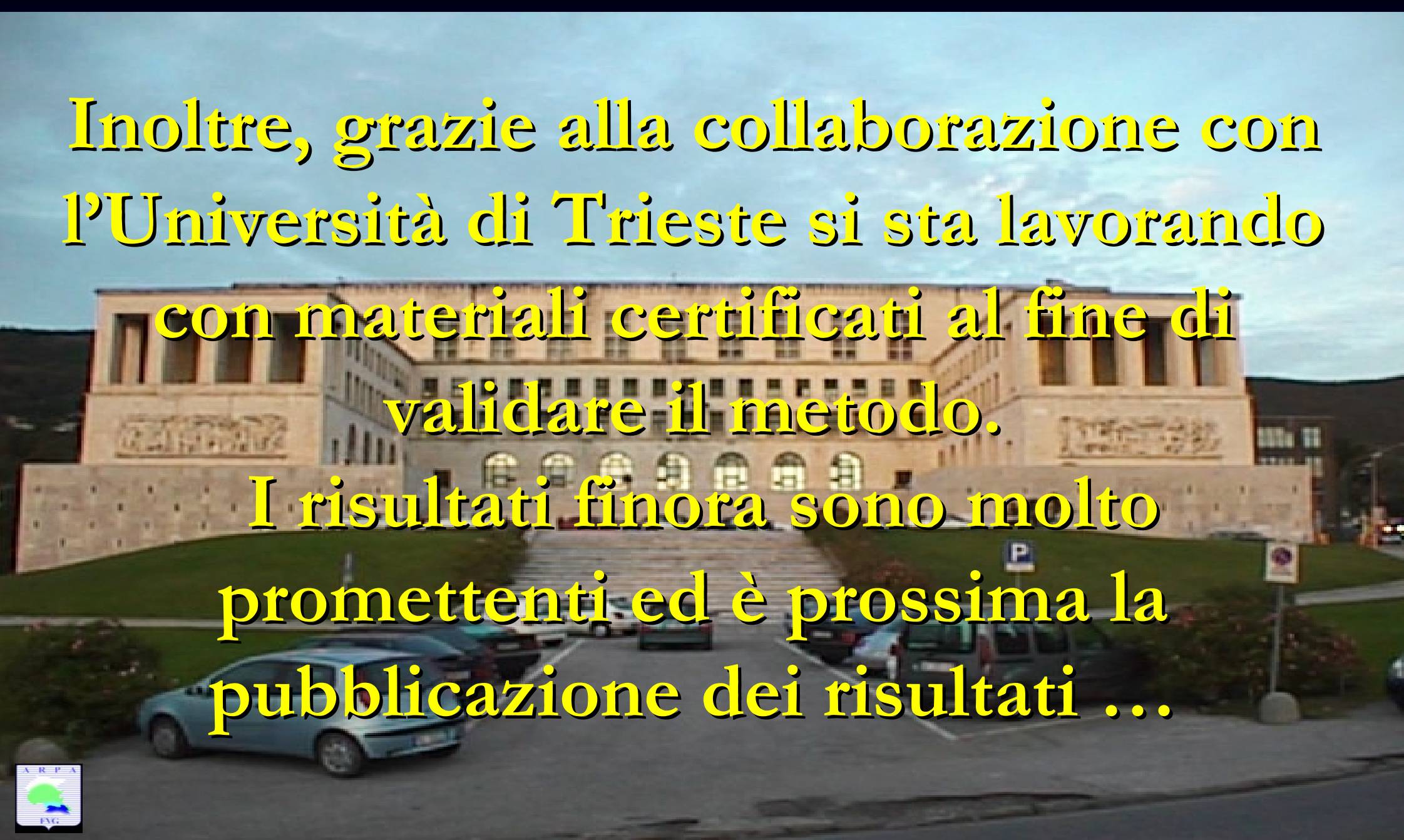
Esperienza Latte Soya: ...




Enhanced Data Analysis - HT8PESTSIM.M / MITILI58.D (MS Data: Quantitated Multi Pt., Not Reviewed) - [[2] TIC: mitili58.D]
File Method Chromatogram Spectrum Calibrate Quant Tools View Help
Esperienza pesce
Abundance
3.6e+07
3.4e+07
3.2e+07
3e+07
2.8e+07
2.6e+07
2.4e+07
2.2e+07
2e+07
1.8e+07
1.6e+07
1.4e+07
1.2e+07
1e+07
3000000
5000000
4000000
2000000
10.00
20.00
30.00
NUM
Enhanced Dat...
GERSTEL MASte...
5973n - HT8PES...
5973n MSTop/En...
F:\
2:30 PM

Esperienza pesce




Inoltre, grazie alla collaborazione con l'Università di Trieste si sta lavorando con materiali certificati al fine di validare il metodo.
I risultati finora sono molto promettenti ed è prossima la pubblicazione dei risultati …

Studio sulla molluschicultura

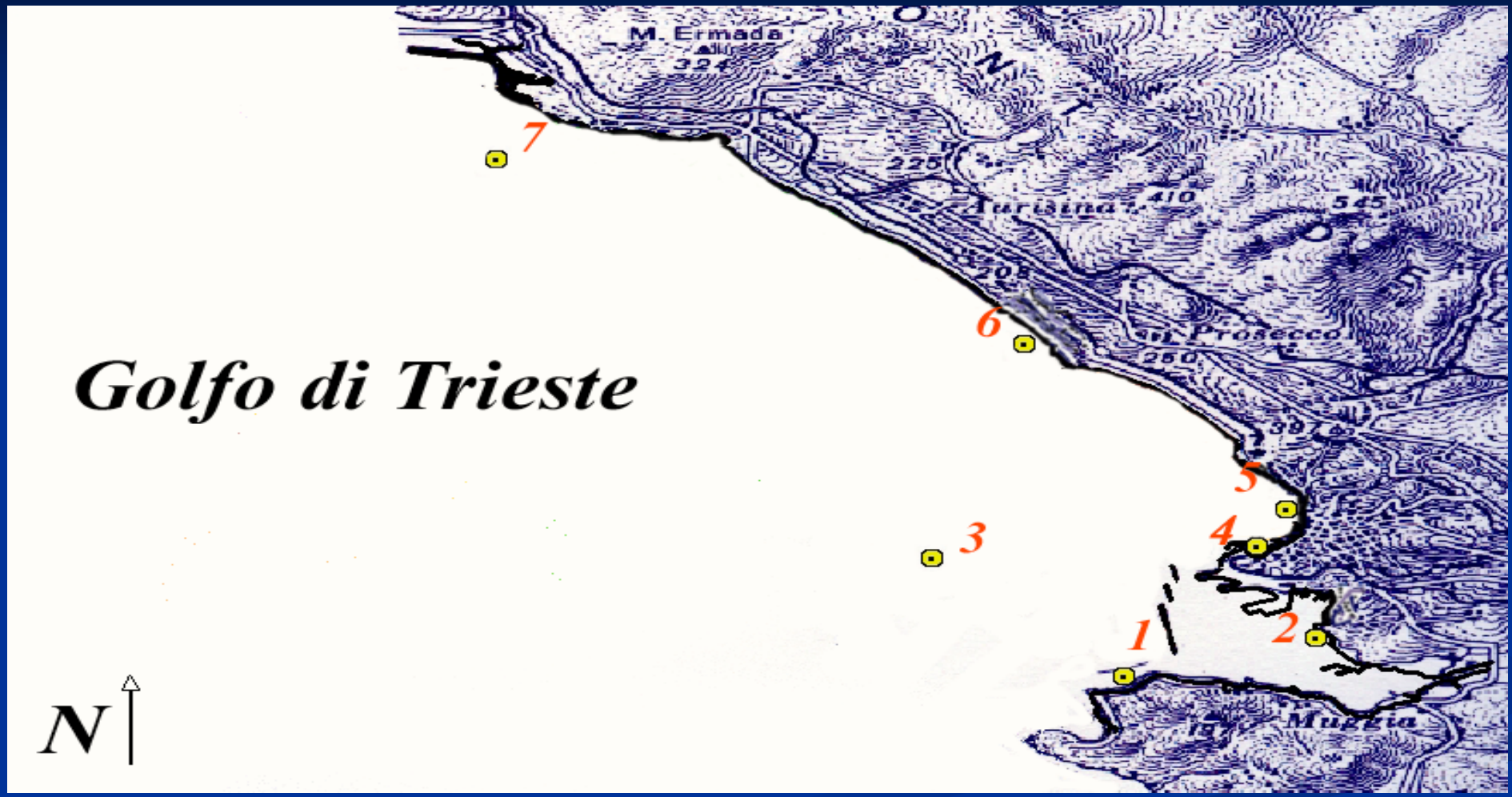
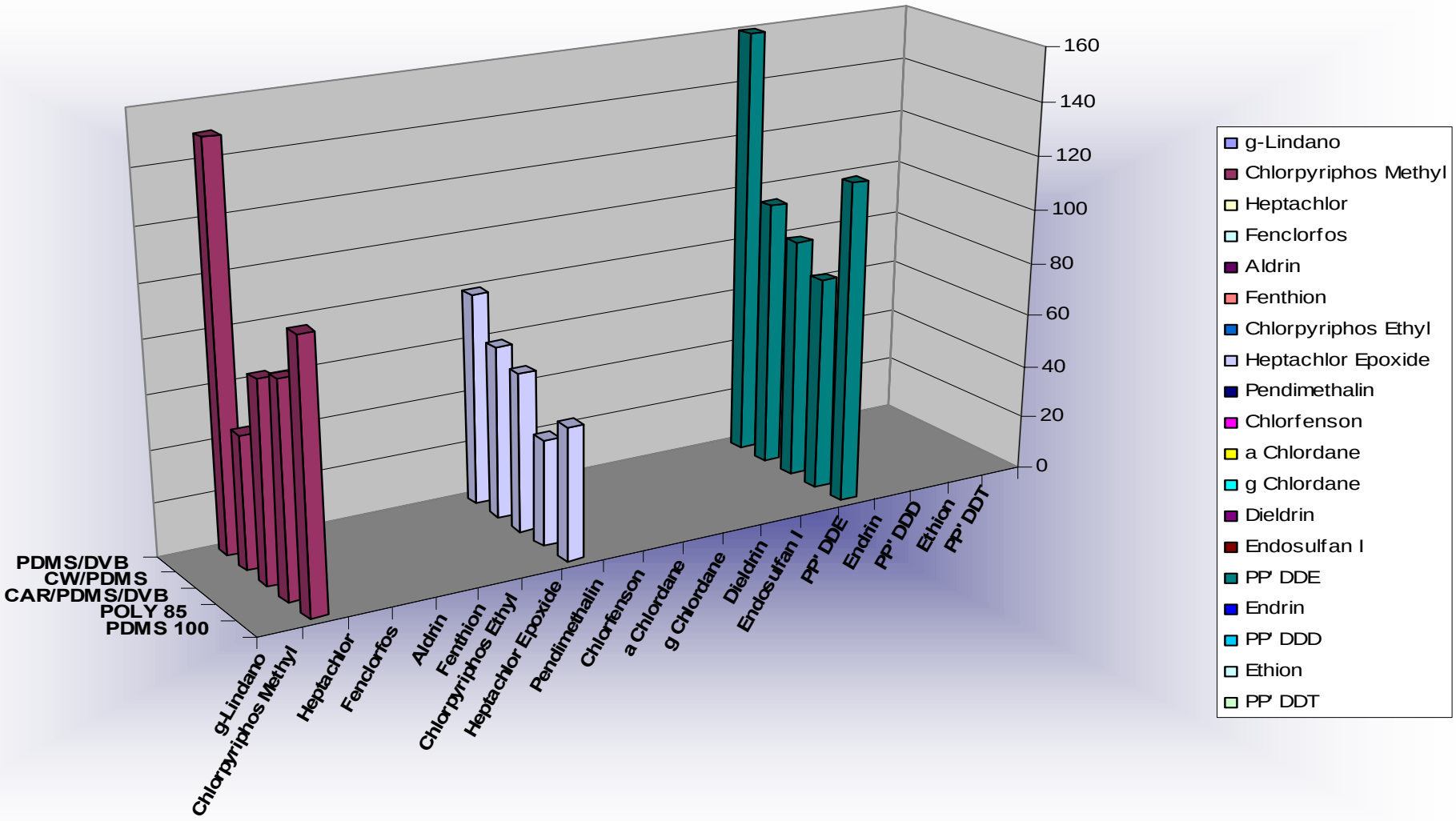


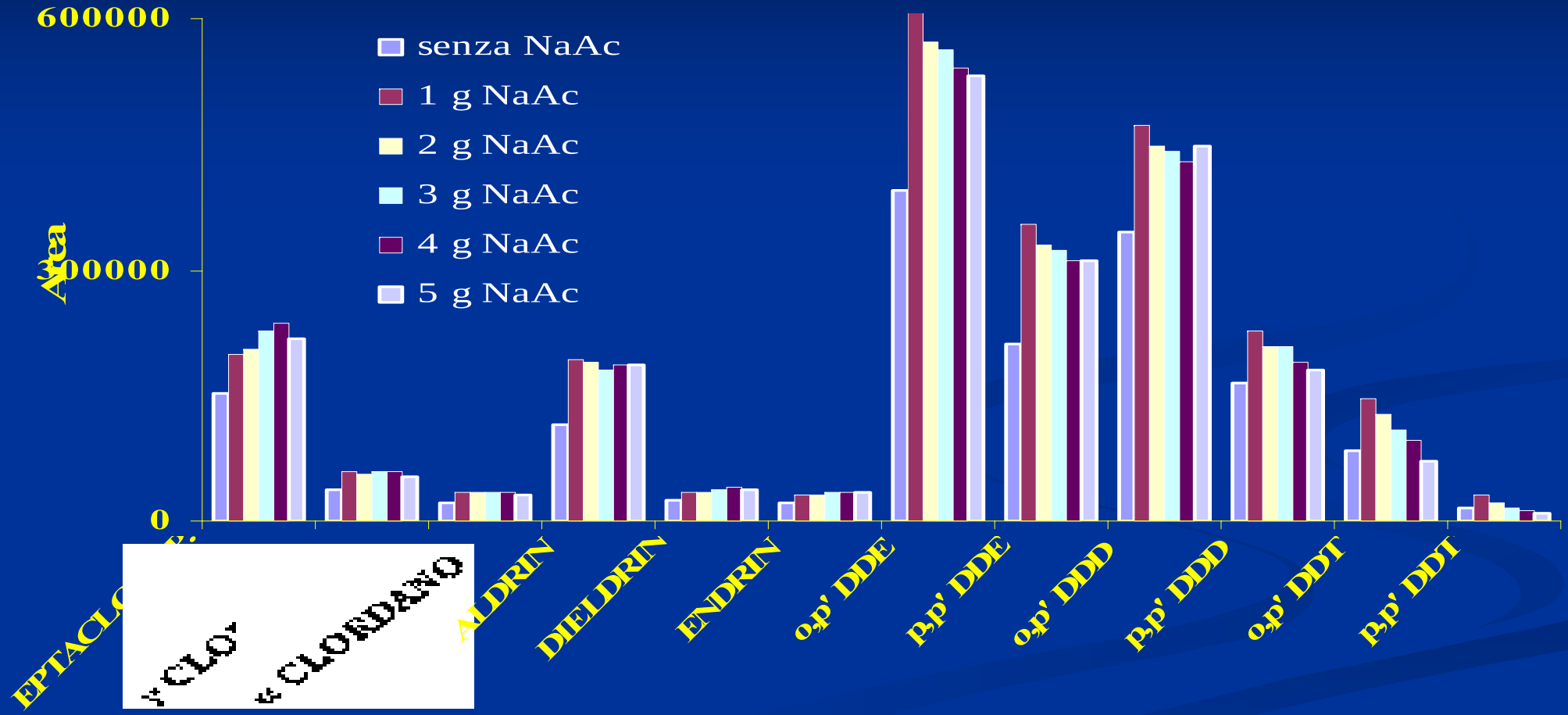
Figura 1. Siti di campionamento nel Golfo di Trieste. 1. Punta Olmi; 2. Ferriera; 3. Tubone; 4. Sacchetta; 5 Porto Vecchio; 6. Costiera; 7 Duino.

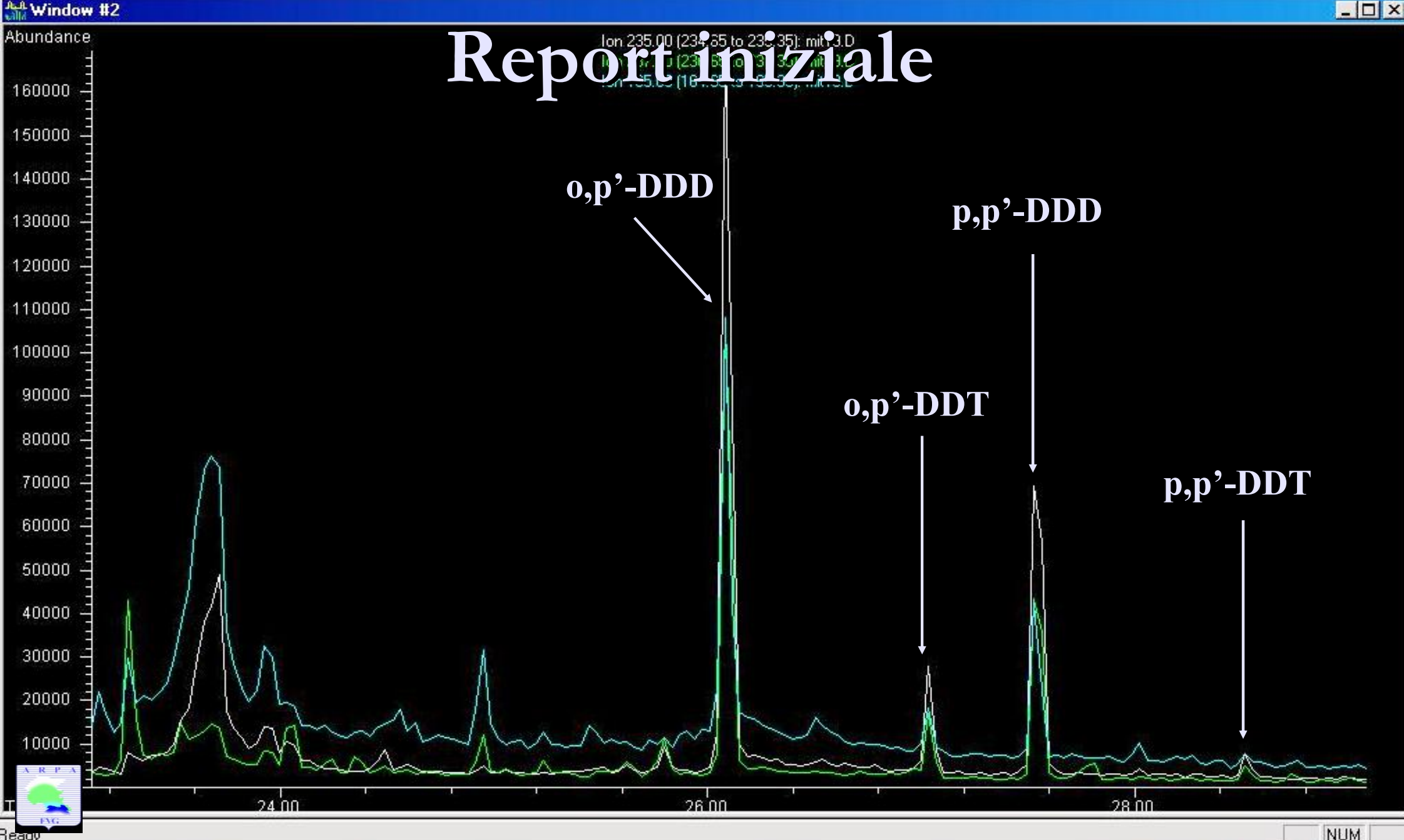
A.R.P.A.F.-VG dip. TRIESTE A.R.P.A.
F-VG dip. Trieste

Confronto fra le varie Fibre



Tipo e quantità di sale





Report iniziale

Report finale

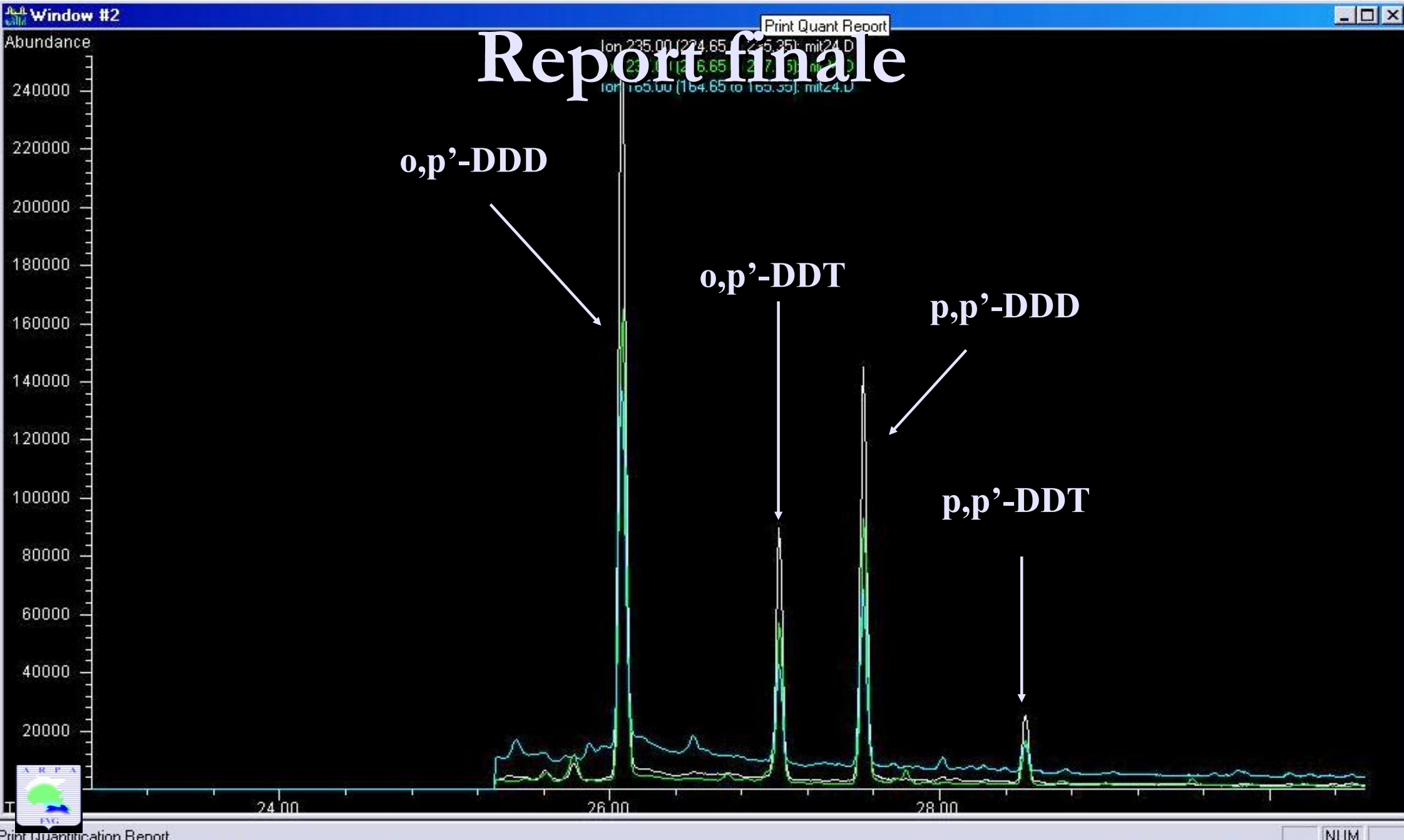
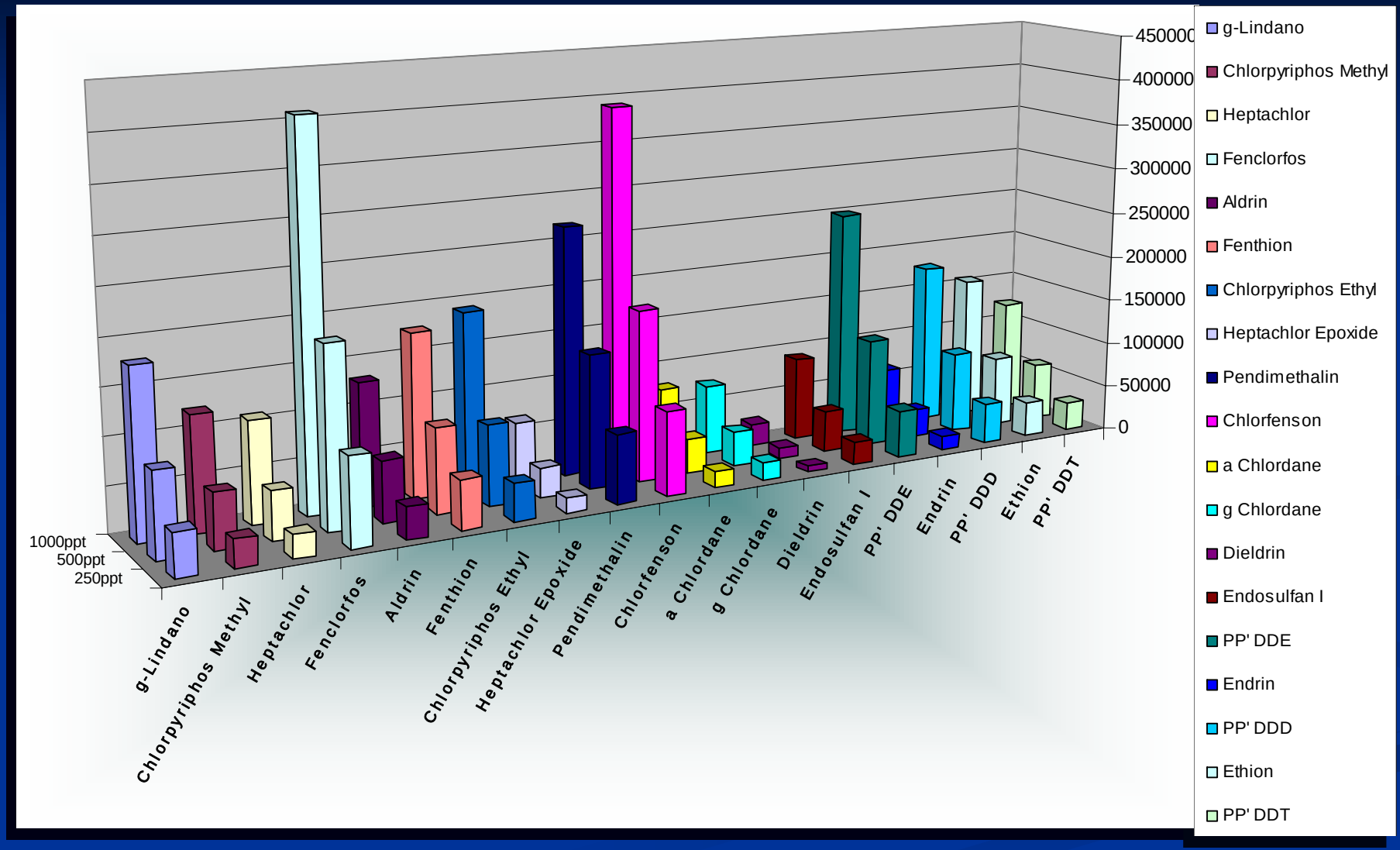
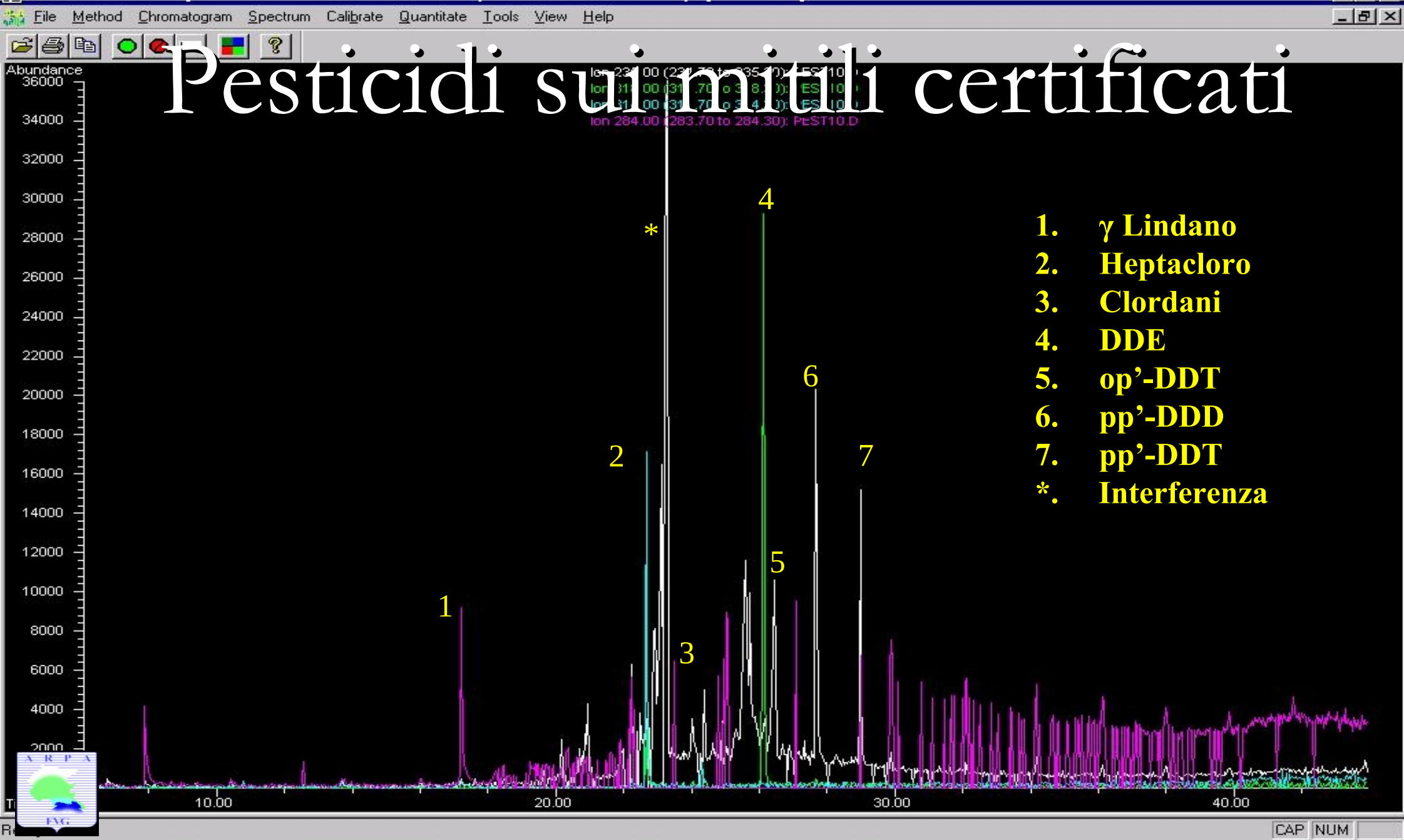


Grafico delle concentrazioni

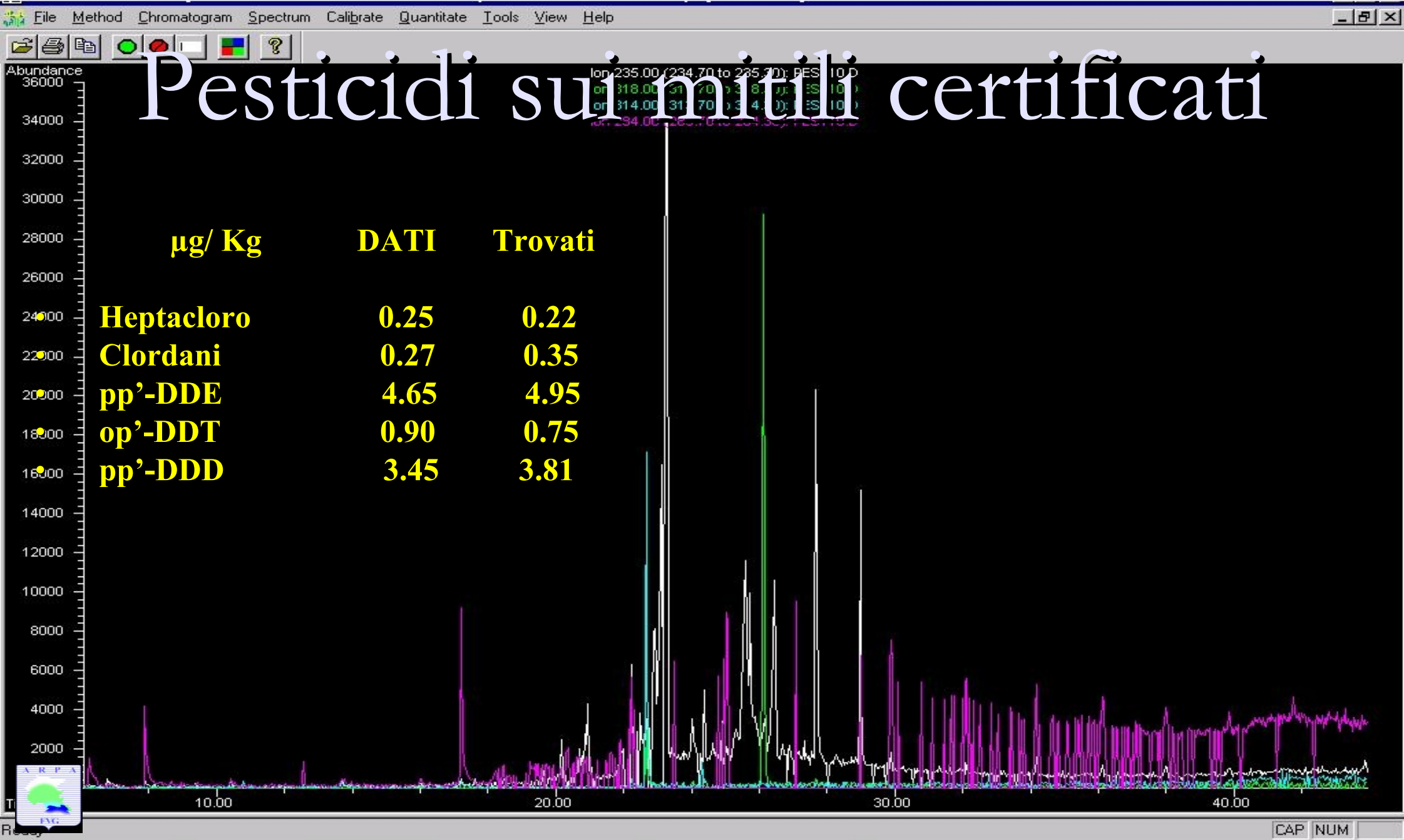


A.R.P.A.F-VG dip. TRIESTEA.R.P.A.
F-VG dip. Trieste

Pesticidi sui mitili certificati

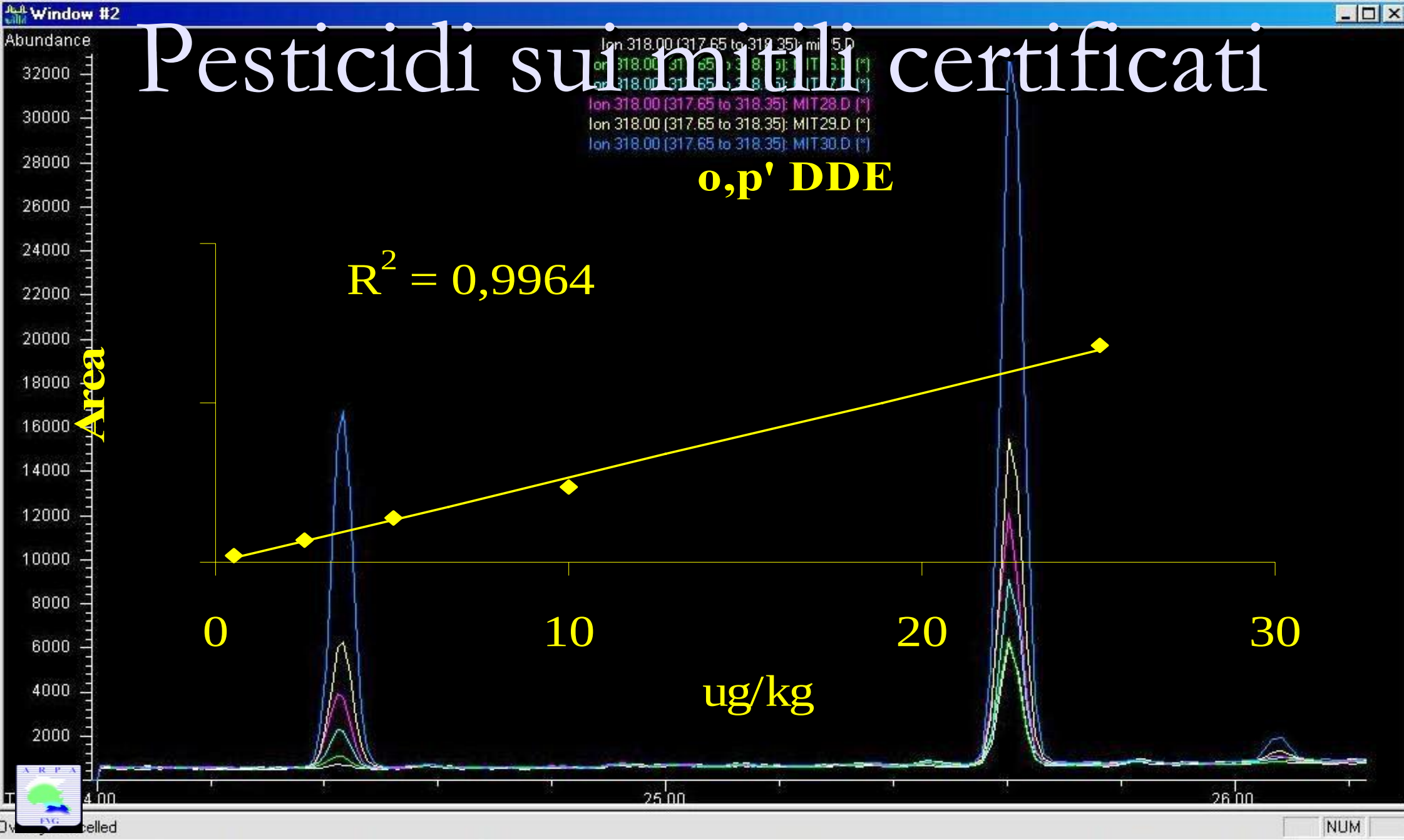


Pesticidi sui mitili certificati

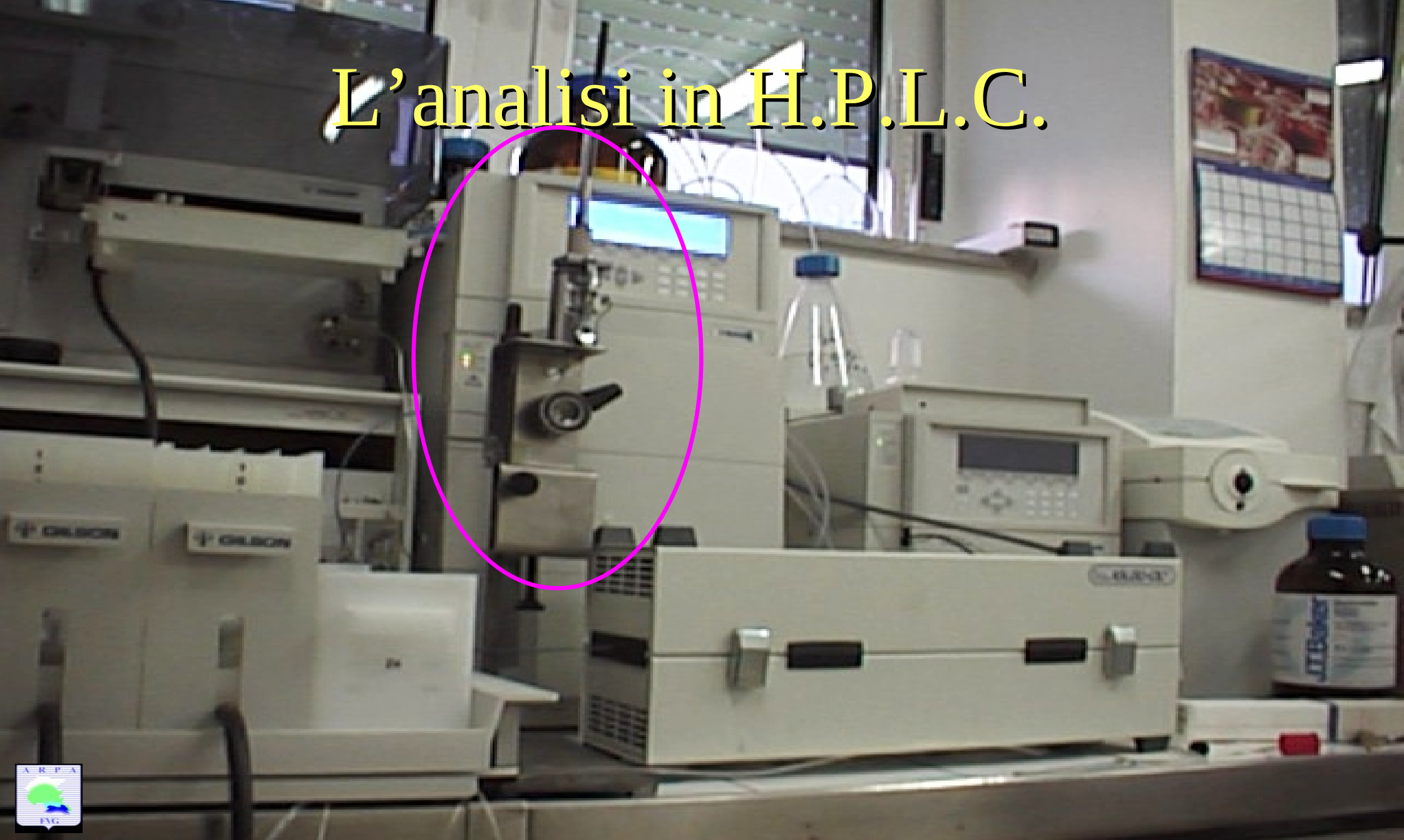


µg/ Kg	DATI	Trovati
Heptacloro	0.25	0.22
Clordani	0.27	0.35
pp'-DDE	4.65	4.95
op'-DDT	0.90	0.75
pp'-DDD	3.45	3.81

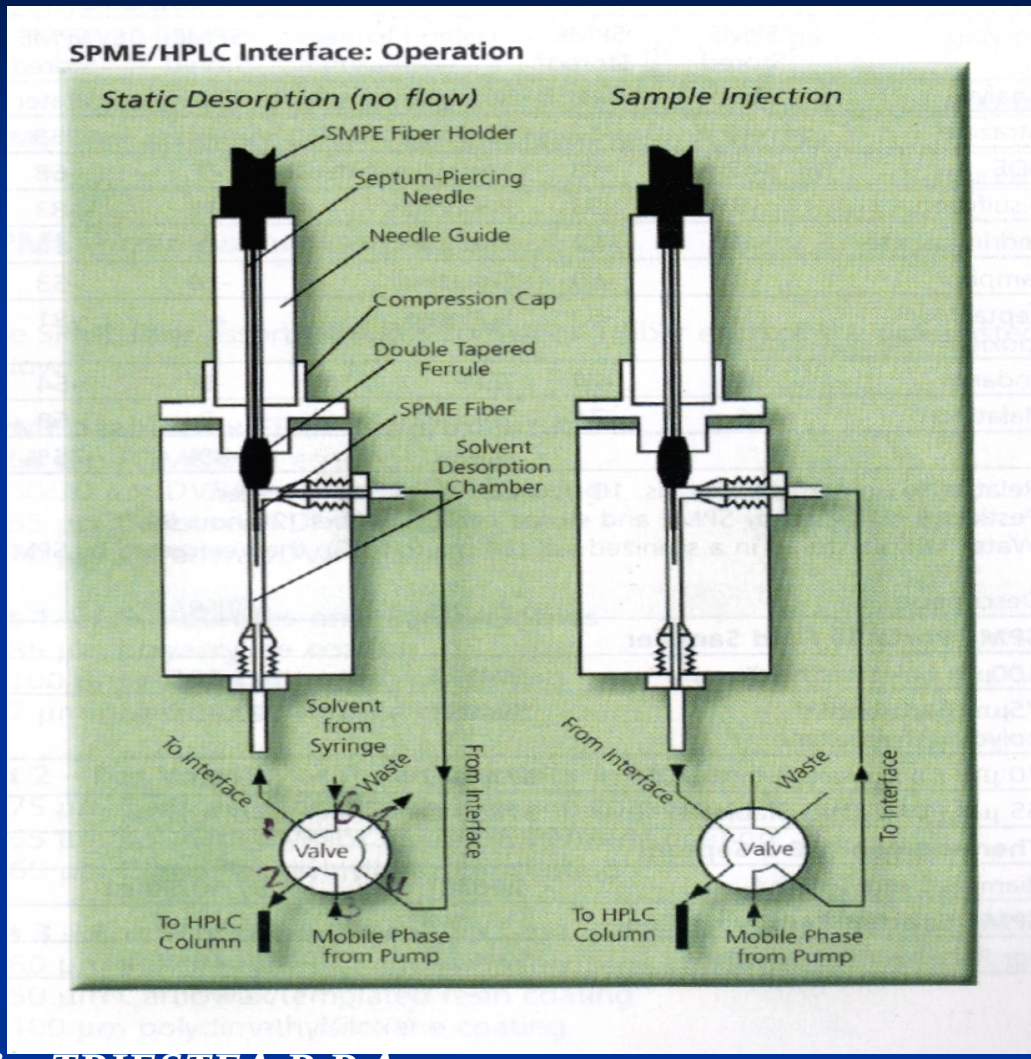
Pesticidi sui mitili certificati



L’analisi in H.P.L.C.



L’interfaccia



Un metodo …

4 ml di vino in vial da 20 ml e portati a volume con ac. acetico diluito a ph 3, sono estratti per 1 h a temperatura ambiente su fibra brown (60 µm pdms/dvb) per immersione a 650 giri/min.

La fibra viene posta nell'interfaccia a flusso 0 per 1.5 min e quindi si procede all'analisi

L'esperienza: OCRATOX "A"

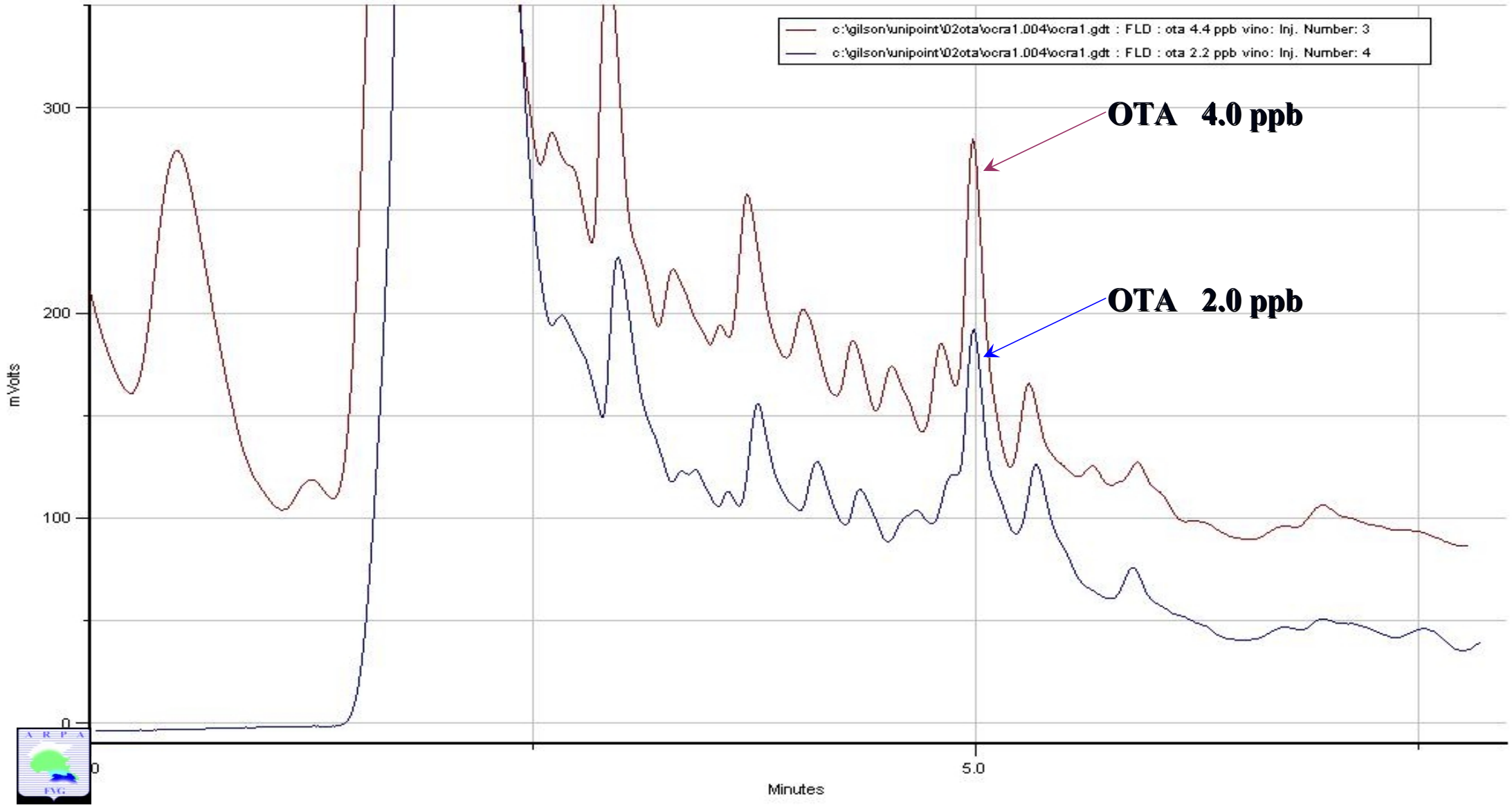
Gilson UniPoint - [Control Method [ocra.gct]]

File Edit Device Event Table Graph Window Help

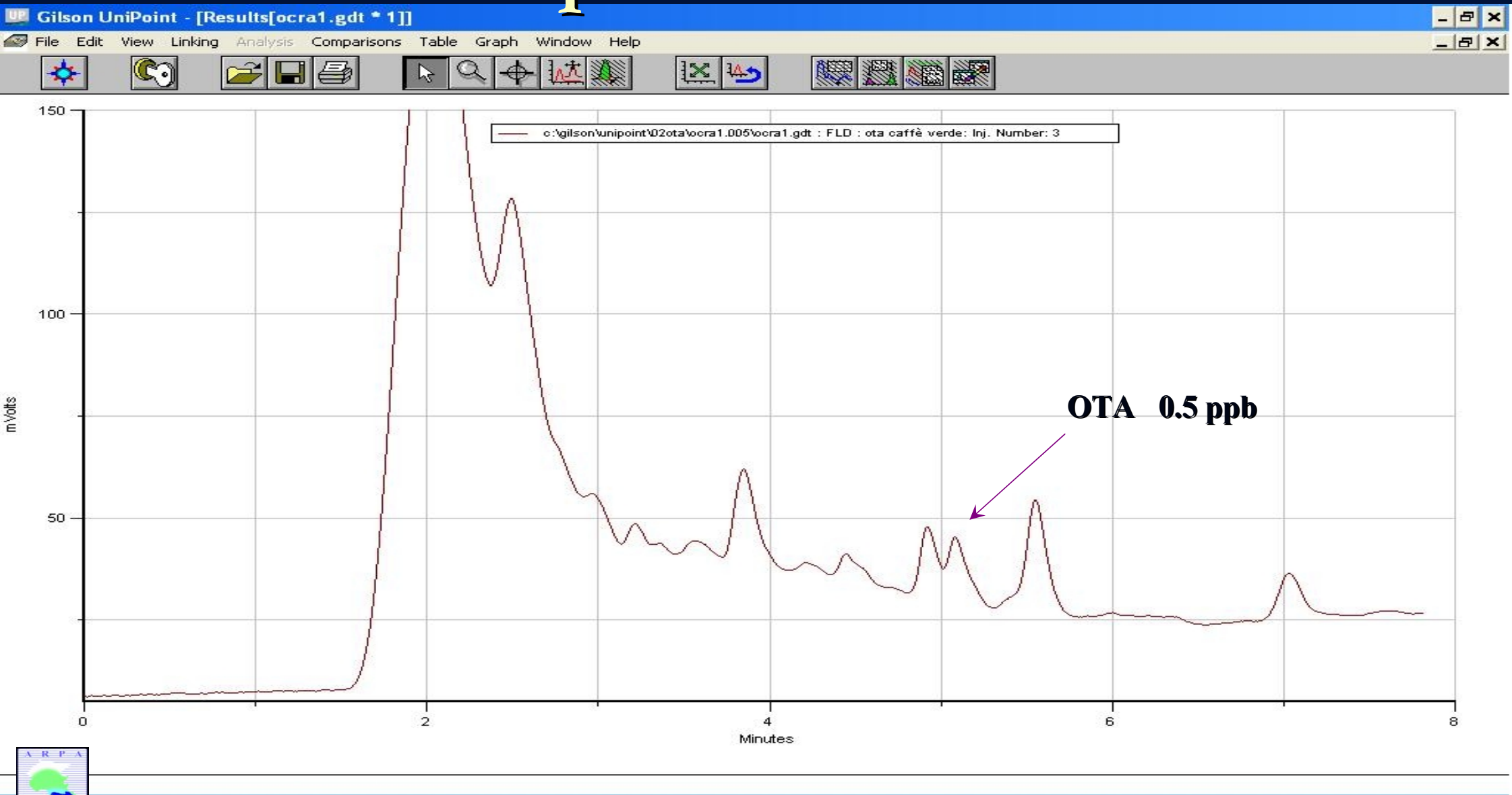
	Time	Device(s)	Command	Comment
1	0.00	acn23/acqua77 / mix ota	.3 (ml/min): 40% acn23/acqua77, 60% mix ota	
2	0.03	FLD	Set Excitation Wavelength 332	
3	0.06	FLD	Set Emission Wavelength 463	
4	0.09	FLD	Set PMT Gain 1000	
5	0.12	FLD	Autozero	
6	0.15	System Controller	Synchronize	valvola su
7	0.20	Data Channels	Start Chromatogram Channels	via
8	0.22	acn23/acqua77 / mix ota	.3 (ml/min): 40% acn23/acqua77, 60% mix ota	
9	1.10	acn23/acqua77 / mix ota	.4 (ml/min): 40% acn23/acqua77, 60% mix ota	
10	2.50	acn23/acqua77 / mix ota	1 (ml/min): 30% acn23/acqua77, 70% mix ota	
11	8.00	acn23/acqua77 / mix ota	1.1 (ml/min): 0% acn23/acqua77, 100% mix ota	
12	8.02	Data Channels	Stop Chromatogram Channels	stop
13	11.90	acn23/acqua77 / mix ota	1.1 (ml/min): 0% acn23/acqua77, 100% mix ota	
	12.00	acn23/acqua77 / mix ota	1 (ml/min): 40% acn23/acqua77, 60% mix ota	

Mix OTA: ACN + H2O 50/50 con 10 ml di ac. Acetico glciale

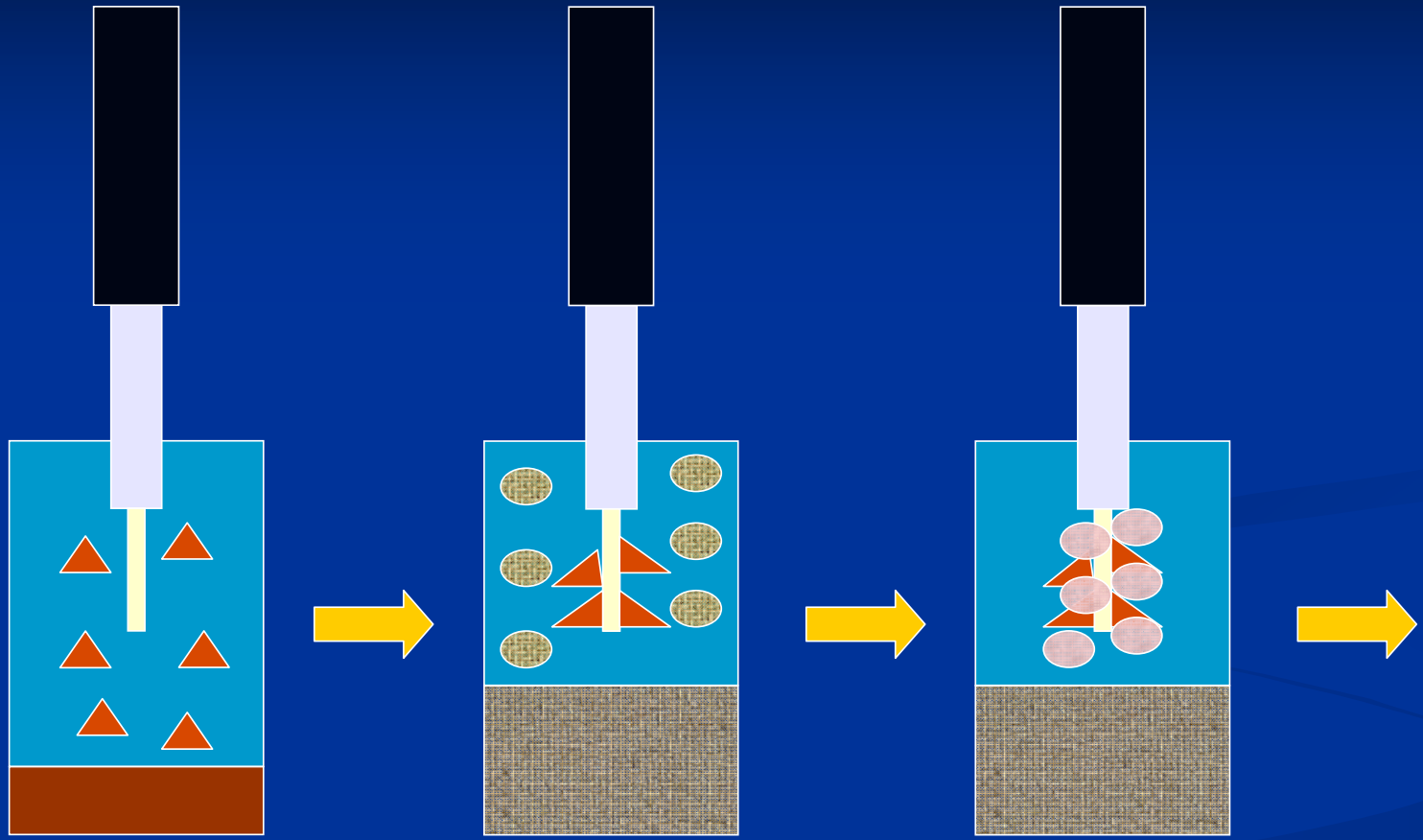
L'esperienza: vino



L'esperienza: caffè



Derivatizzazione della Fibra



derivatizzante

analita

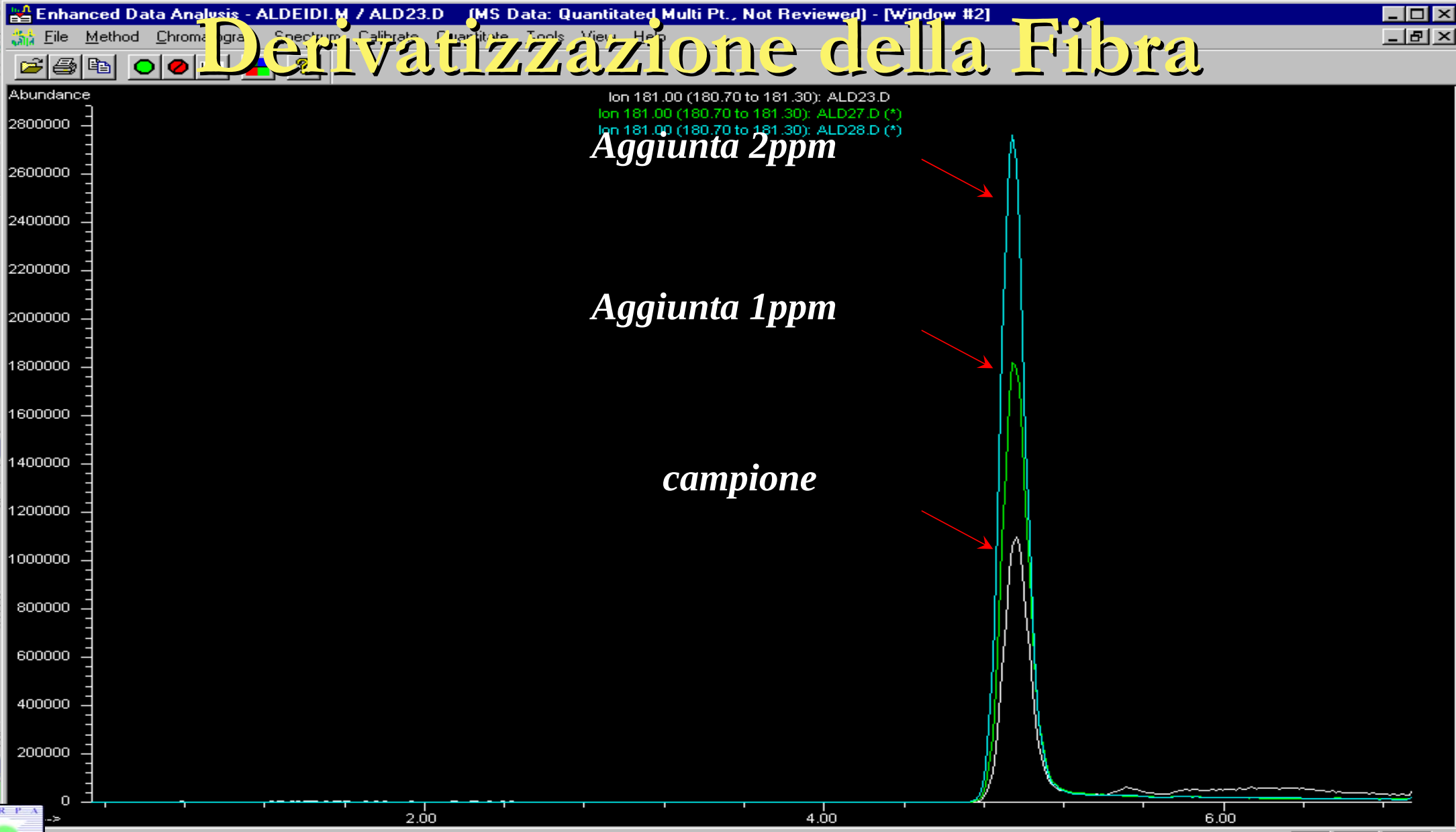
derivatizzato

GC/MS

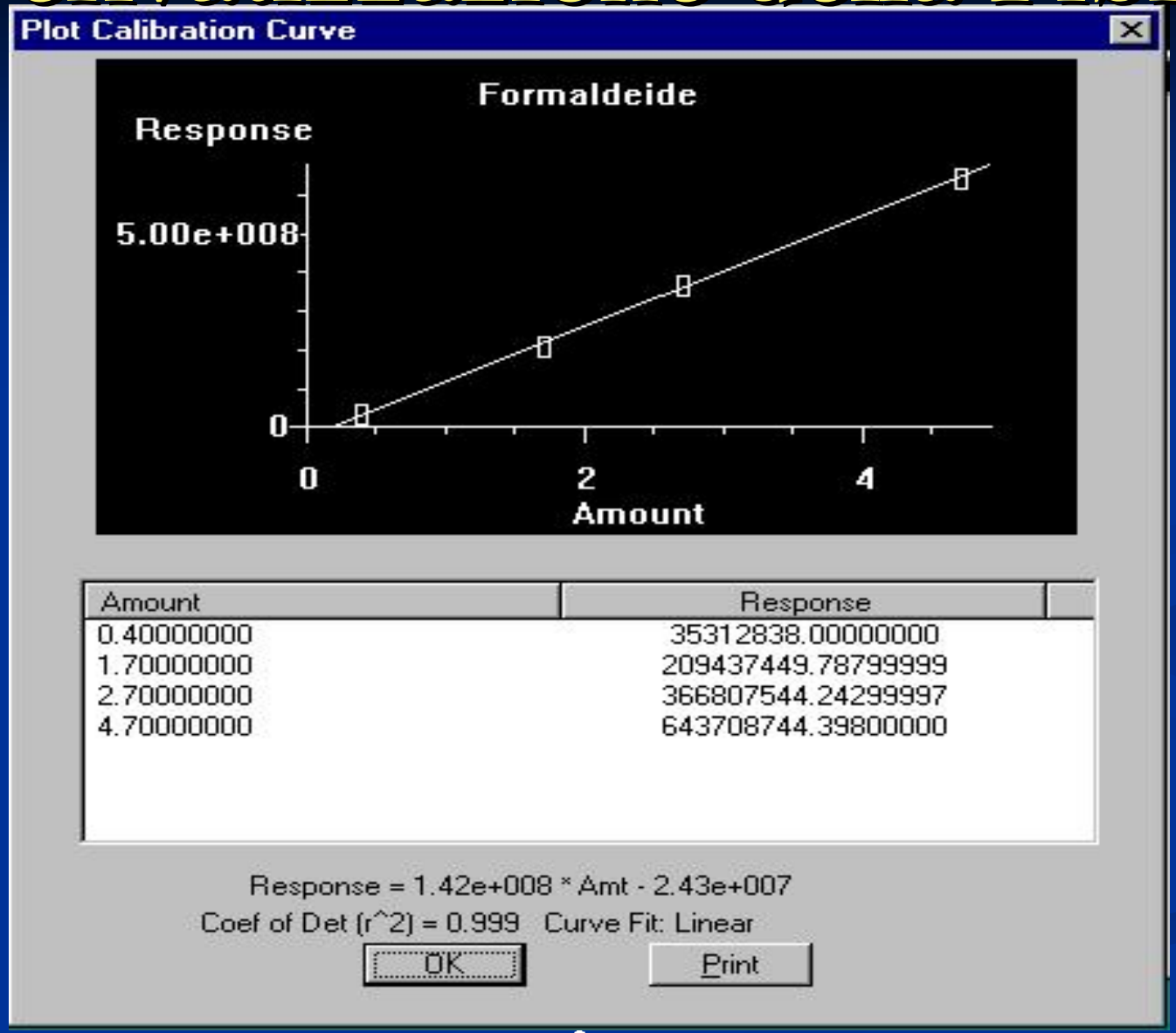
HPLC

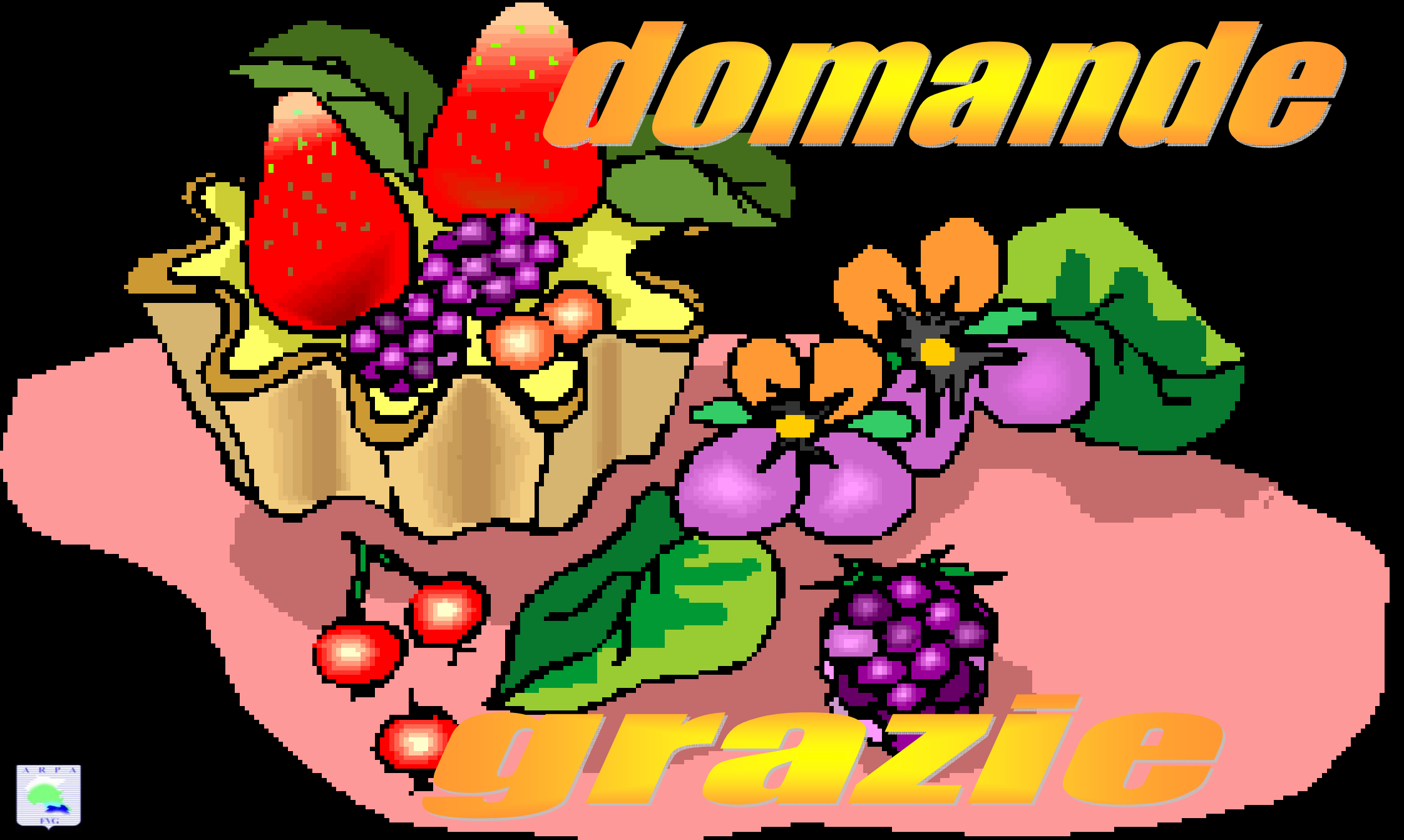
A.R.P.A.F-VG dip. TRIESTEA.R.P.A.
F-VG dip. Trieste

Derivatizzazione della Fibra



Derivatizzazione della Fibra

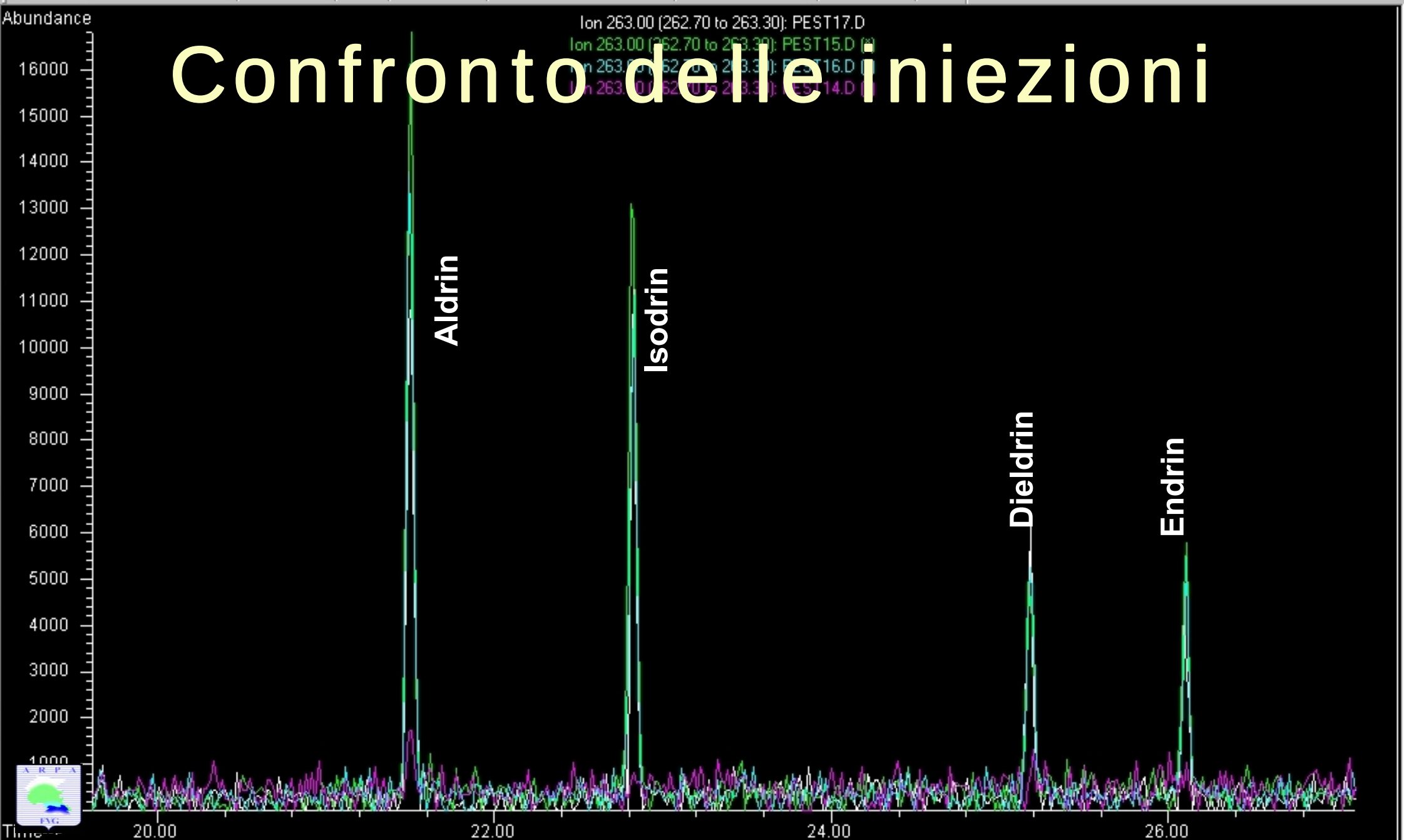



domande
grazie

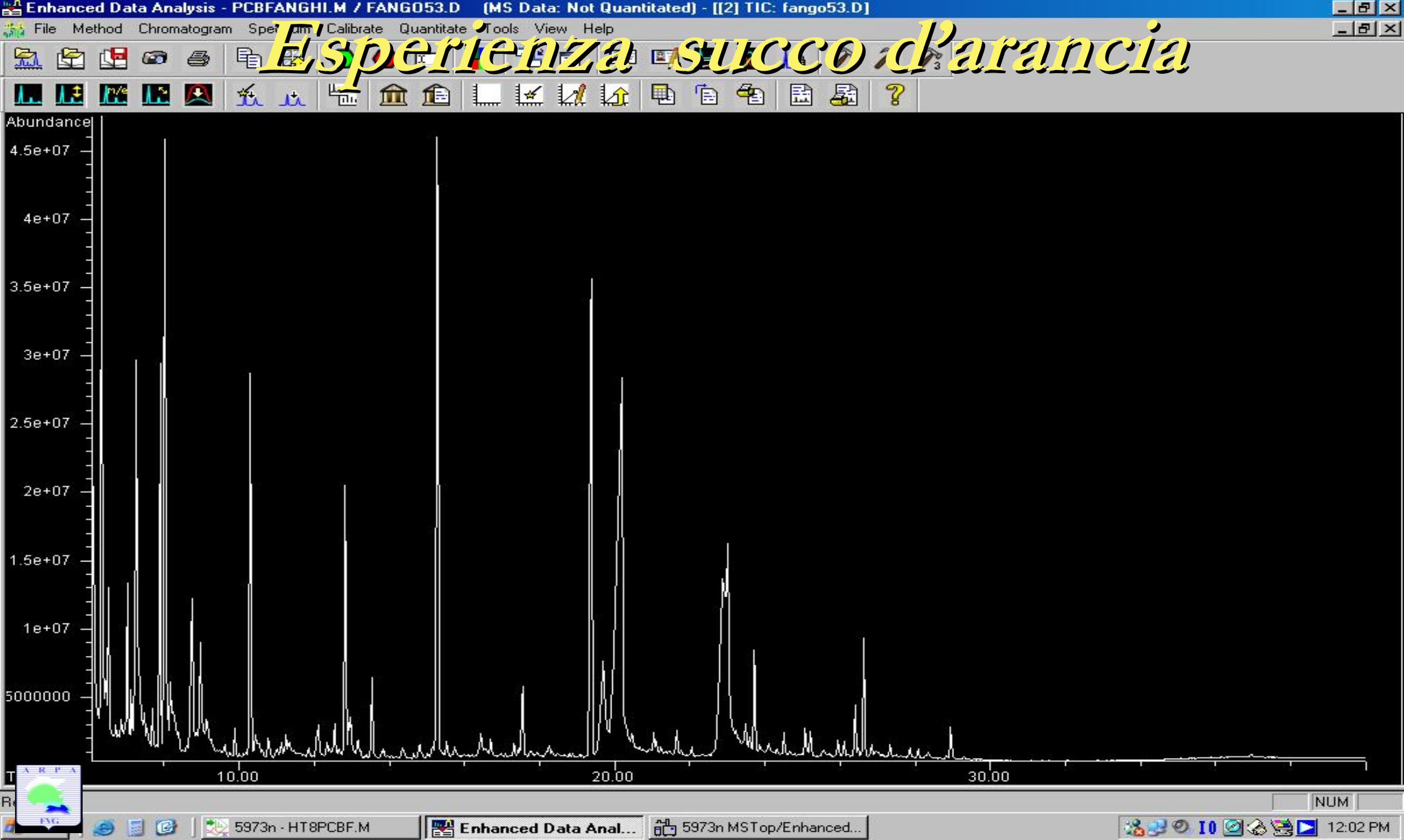
Manuale o Automatica

A.R.P.A.F-VG dip. TRIESTEA.R.P.A.
F-VG dip. Trieste

Confronto delle iniezioni



Esperienza succo d'arancia



Esperienza insalata

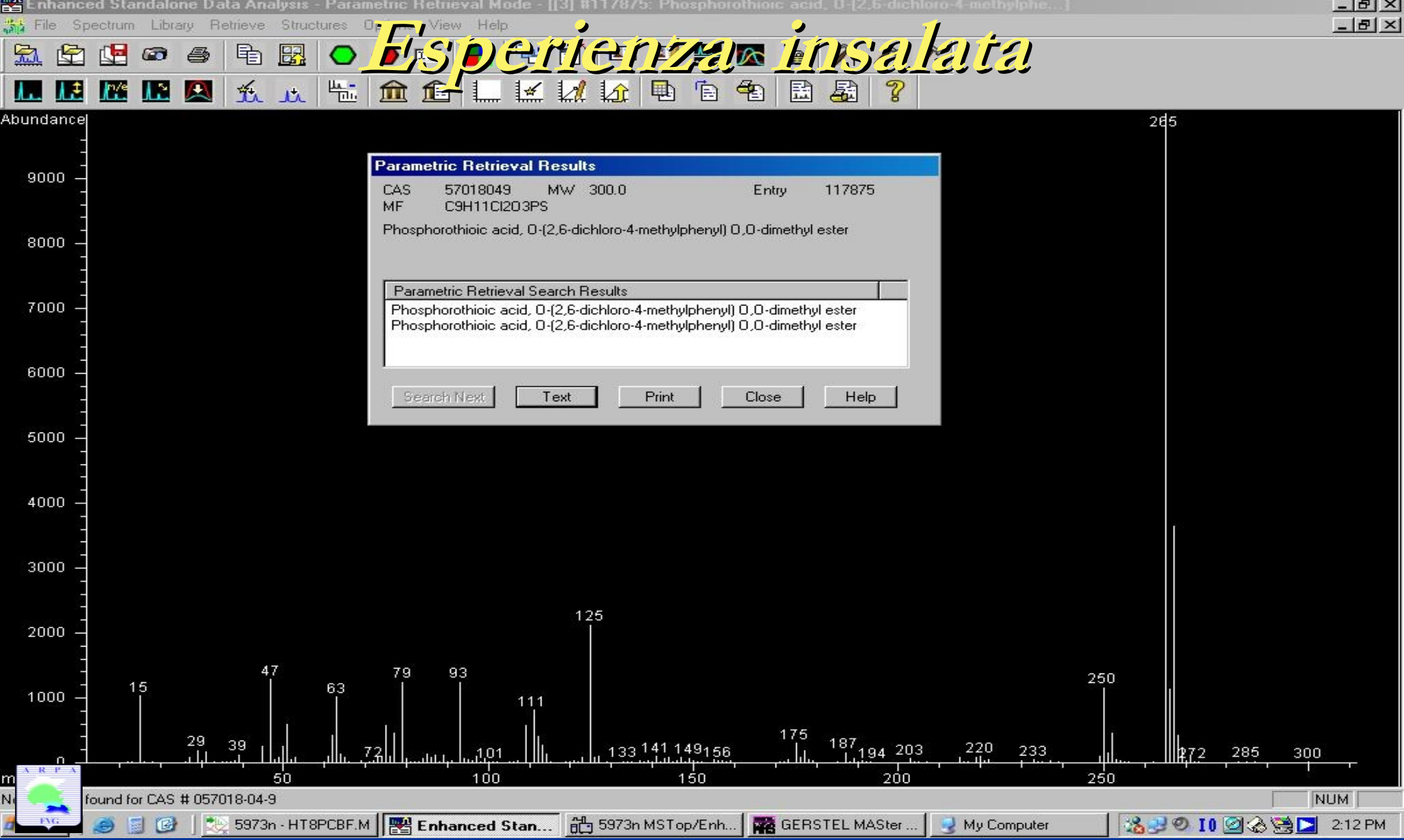


Tabella delle risposte a tre concentrazioni scalari

	250ppt	500ppt	1000ppt
g-Lindano	45820	89693	178482
Chlorpyriphos Methyl	29631	59247	122601
Heptachlor	24591	51711	108791
Fenclorfos	94332	191911	407926
Aldrin	34382	65363	131615
Fenthion	52862	91090	176858
Chlorpyriphos Ethyl	40410	85539	191885
Heptachlor Epoxide	16258	32023	65434
Pendimethalin	74533	145437	269412
Chlorfenson	91175	184934	391646
a Chlordane	18315	38565	78813
g Chlordane	18628	37898	75231
Dieldrin	6543	12498	24369
Endosulfan I	24872	45209	90927
PP' DDE	52065	117587	249503
Endrin	15888	31161	63481
PP' DDD	44633	88768	176421
Ethion	38785	76216	155601
PP' DDT	30050	61008	121929