Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG011224\
Data File : FG013350.D
Signal(s) : FID1A.ch
Acq On : 12 Jan 2024 17:28
Operator : YP\AJ
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
50 PPM TRPH STD

Integration File: autoint1.e
Quant Time: Jan 13 00:40:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG010824.M
Quant Title :
QLast Update : Mon Jan 08 14:52:14 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
9)	S TETRACOSANE-d50 (SURR...	15.070	6439260	52.664	ug/ml
	Target Compounds				
1)	N-OCTANE	2.059	6352509	50.212	ug/ml
2)	N-DECANE	4.585	6541710	50.022	ug/ml
3)	N-DODECANE	6.756	6825630	50.191	ug/ml
4)	N-TETRADECANE	8.589	6732408	50.506	ug/ml
5)	N-HEXADECANE	10.202	6942783	50.946	ug/ml
6)	N-OCTADECANE	11.651	7236124	51.355	ug/ml
7)	N-EICOSANE	12.965	7128373	51.730	ug/ml
8)	N-DOCOSANE	14.168	7052851	52.019	ug/ml
10)	N-TETRACOSANE	15.276	7011717	52.112	ug/ml
11)	N-HEXACOSANE	16.300	6858175	52.062	ug/ml
12)	N-OCTACOSANE	17.254	6702158	52.034	ug/ml
13)	N-TRIACONTANE	18.145	6537550	51.752	ug/ml
14)	N-DOTRIACONTANE	18.981	6089447	50.737	ug/ml
15)	N-TETRATRIACONTANE	19.765	4796793	50.763	ug/ml
16)	N-HEXATRIACONTANE	20.507	3549776	50.672	ug/ml
17)	N-OCTATRIACONTANE	21.262	3018416	49.972	ug/ml
18)	N-TETRACONTANE	22.207	2970981	54.604	ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

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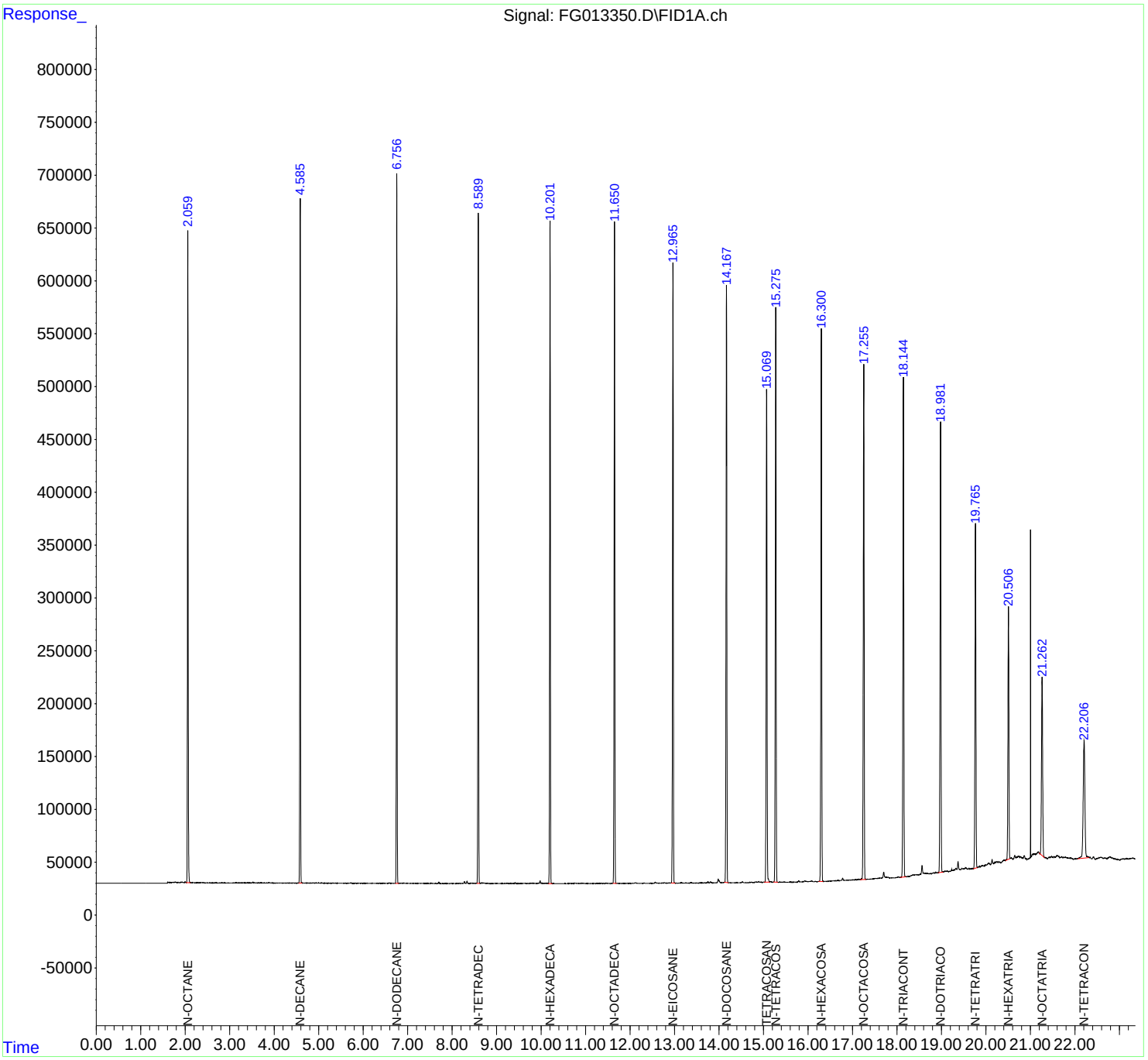
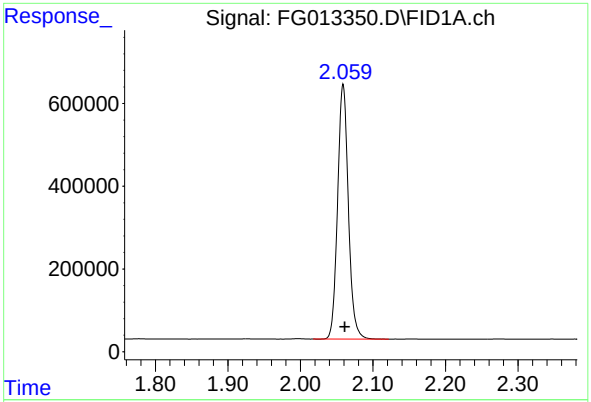
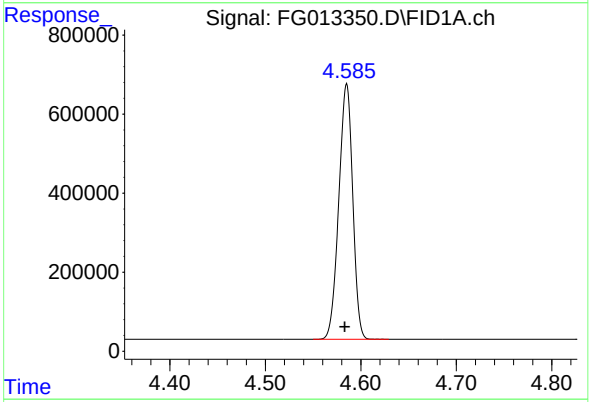




#1 N-OCTANE

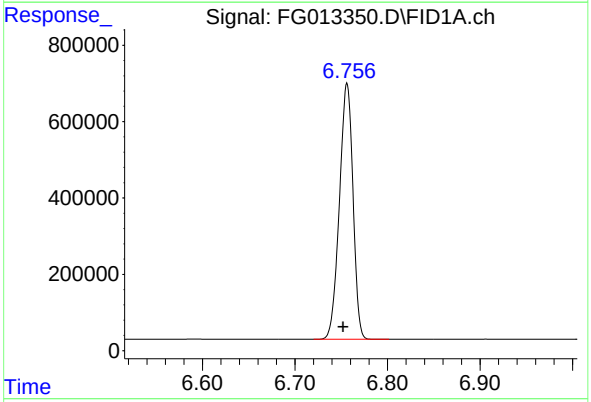
R.T.: 2.059 min
Delta R.T.: -0.002 min
Response: 6352509
Conc: 50.21 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM TRPH STD



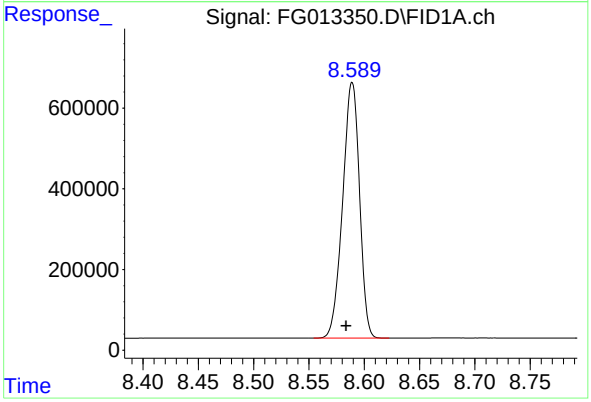
#2 N-DECANE

R.T.: 4.585 min
Delta R.T.: 0.002 min
Response: 6541710
Conc: 50.02 ug/ml



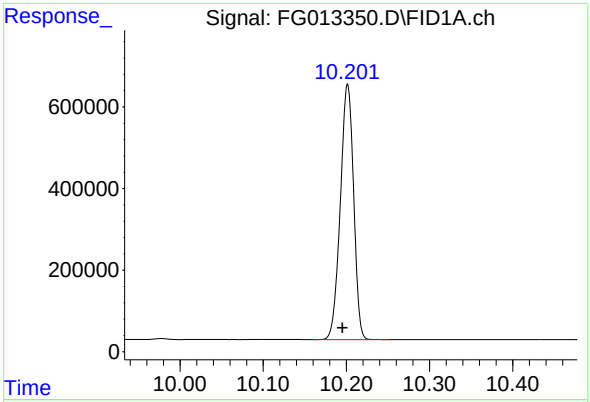
#3 N-DODECANE

R.T.: 6.756 min
Delta R.T.: 0.004 min
Response: 6825630
Conc: 50.19 ug/ml



#4 N-TETRADECANE

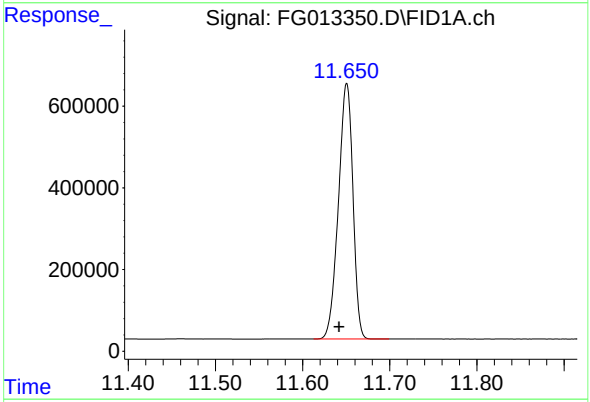
R.T.: 8.589 min
Delta R.T.: 0.005 min
Response: 6732408
Conc: 50.51 ug/ml



#5 N-HEXADECANE

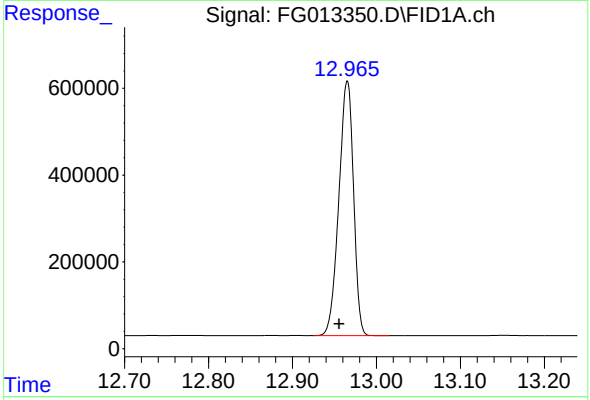
R.T.: 10.202 min
Delta R.T.: 0.006 min
Response: 6942783
Conc: 50.95 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM TRPH STD



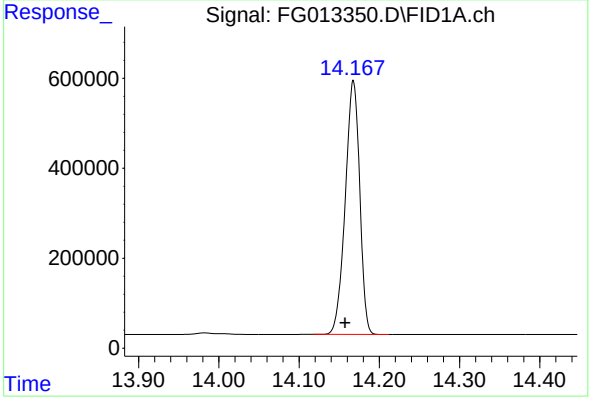
#6 N-OCTADECANE

R.T.: 11.651 min
Delta R.T.: 0.009 min
Response: 7236124
Conc: 51.35 ug/ml



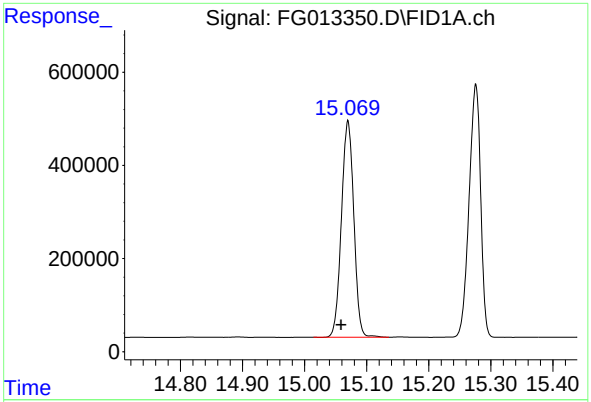
#7 N-EICOSANE

R.T.: 12.965 min
Delta R.T.: 0.010 min
Response: 7128373
Conc: 51.73 ug/ml



#8 N-DOCOSANE

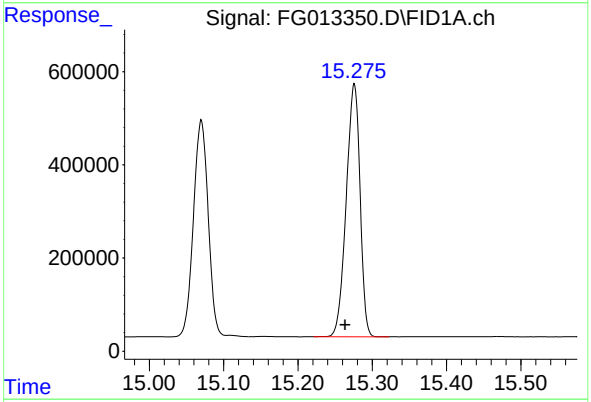
R.T.: 14.168 min
Delta R.T.: 0.010 min
Response: 7052851
Conc: 52.02 ug/ml



#9 TETRACOSANE-d50 (SURROGATE)

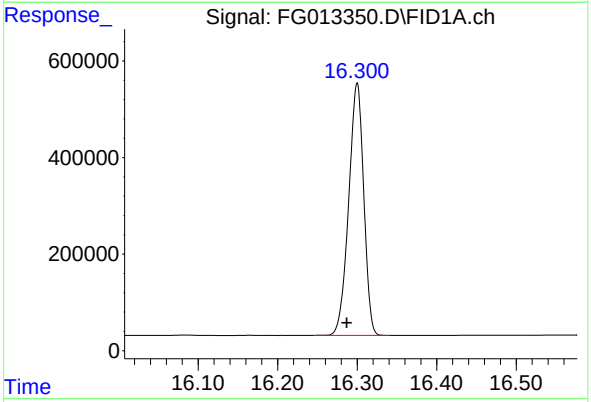
R.T.: 15.070 min
Delta R.T.: 0.011 min
Response: 6439260
Conc: 52.66 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM TRPH STD



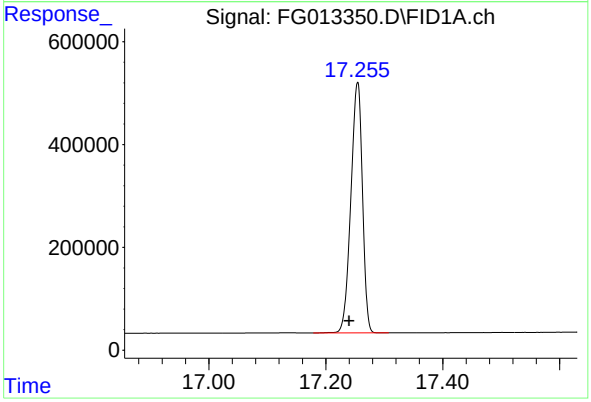
#10 N-TETRACOSANE

R.T.: 15.276 min
Delta R.T.: 0.012 min
Response: 7011717
Conc: 52.11 ug/ml



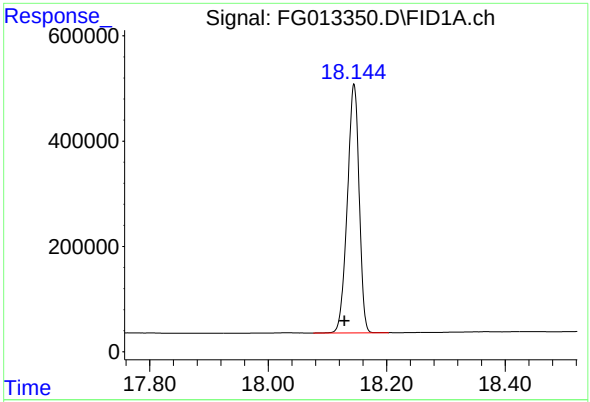
#11 N-HEXACOSANE

R.T.: 16.300 min
Delta R.T.: 0.013 min
Response: 6858175
Conc: 52.06 ug/ml



#12 N-OCTACOSANE

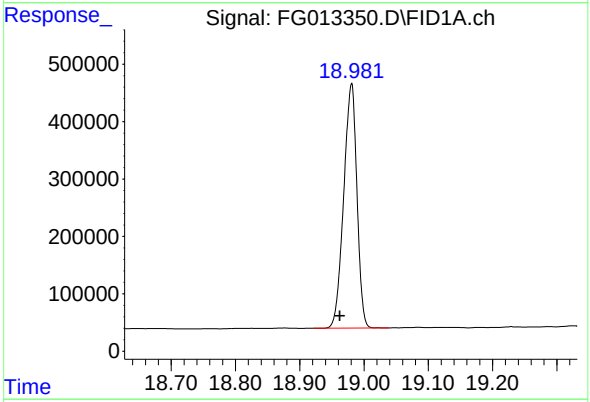
R.T.: 17.254 min
Delta R.T.: 0.015 min
Response: 6702158
Conc: 52.03 ug/ml



#13 N-TRIACONTANE

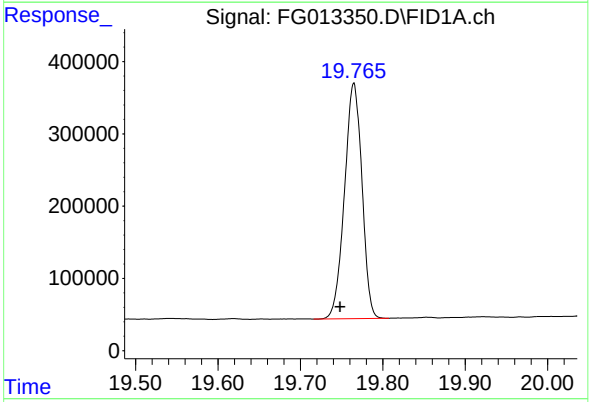
R.T.: 18.145 min
Delta R.T.: 0.016 min
Response: 6537550
Conc: 51.75 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM TRPH STD



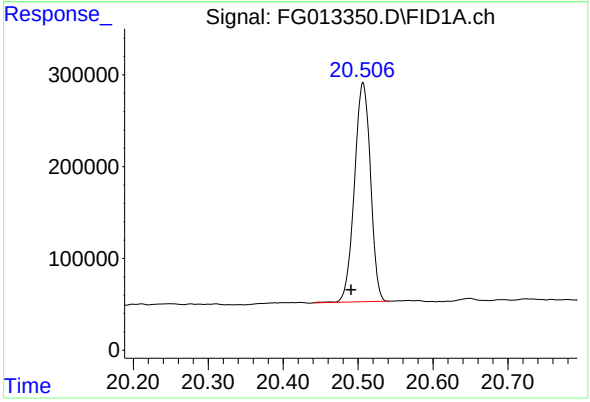
#14 N-DOTRIACONTANE

R.T.: 18.981 min
Delta R.T.: 0.018 min
Response: 6089447
Conc: 50.74 ug/ml



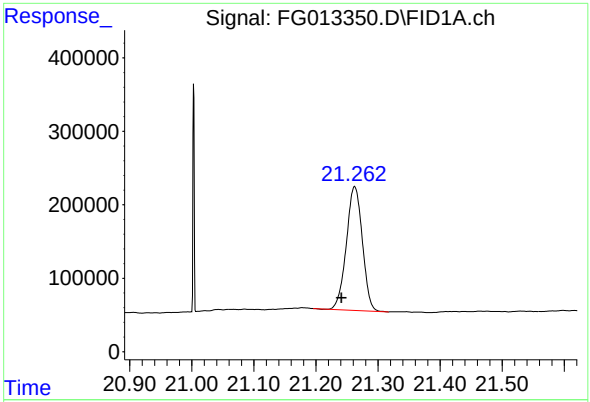
#15 N-TETRATRIACONTANE

R.T.: 19.765 min
Delta R.T.: 0.016 min
Response: 4796793
Conc: 50.76 ug/ml



#16 N-HEXATRIACONTANE

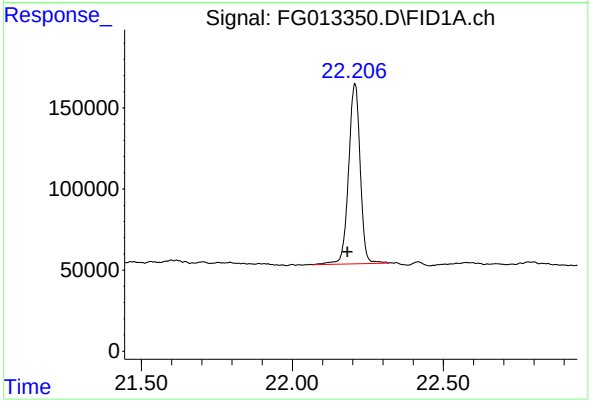
R.T.: 20.507 min
Delta R.T.: 0.016 min
Response: 3549776
Conc: 50.67 ug/ml



#17 N-OCTATRIACONTANE

R.T.: 21.262 min
Delta R.T.: 0.022 min
Response: 3018416
Conc: 49.97 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM TRPH STD



#18 N-TETRACONTANE

R.T.: 22.207 min
Delta R.T.: 0.025 min
Response: 2970981
Conc: 54.60 ug/ml