Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040722\
Data File : FG009549.D
Signal(s) : FID1A.ch
Acq On : 07 Apr 2022 21:25
Operator : AJ\MA
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
50 PPM TRPH STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/08/2022
Supervised By :mohammad ahmed 04/12/2022

Integration File: Sample.e
Quant Time: Apr 08 02:30:46 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG040122.M
Quant Title :
QLast Update : Fri Apr 01 13:54:05 2022
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...	14.648	5711658	44.336 ug/ml
	Target Compounds			
1)	N-OCTANE	2.233	7266974	49.740 ug/ml
2)	N-DECANE	4.333	7330718	49.374 ug/ml
3)	N-DODECANE	6.363	7286518	48.347 ug/ml
4)	N-TETRADECANE	8.166	7233180	47.220 ug/ml
5)	N-HEXADECANE	9.774	7119942	46.138 ug/ml
6)	N-OCTADECANE	11.223	7113768	45.214 ug/ml
7)	N-EICOSANE	12.539	6763848	44.659 ug/ml
8)	N-DOCOSANE	13.743	6532437	44.265 ug/ml
10)	N-TETRACOSANE	14.853	6369828	44.434 ug/ml
11)	N-HEXACOSANE	15.880	6207993	45.192 ug/mlm
12)	N-OCTACOSANE	16.834	6082790	46.608 ug/mlm
13)	N-TRIACONTANE	17.727	6017713	48.734 ug/ml
14)	N-DOTRIACONTANE	18.564	5892170	50.760 ug/mlm
15)	N-TETRATRIACONTANE	19.354	5576371	52.444 ug/mlm
16)	N-HEXATRIACONTANE	20.096	4906440	51.814 ug/mlm
17)	N-OCTATRIACONTANE	20.840	4429243	51.436 ug/mlm
18)	N-TETRACONTANE	21.767	4564519	52.888 ug/mlm

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

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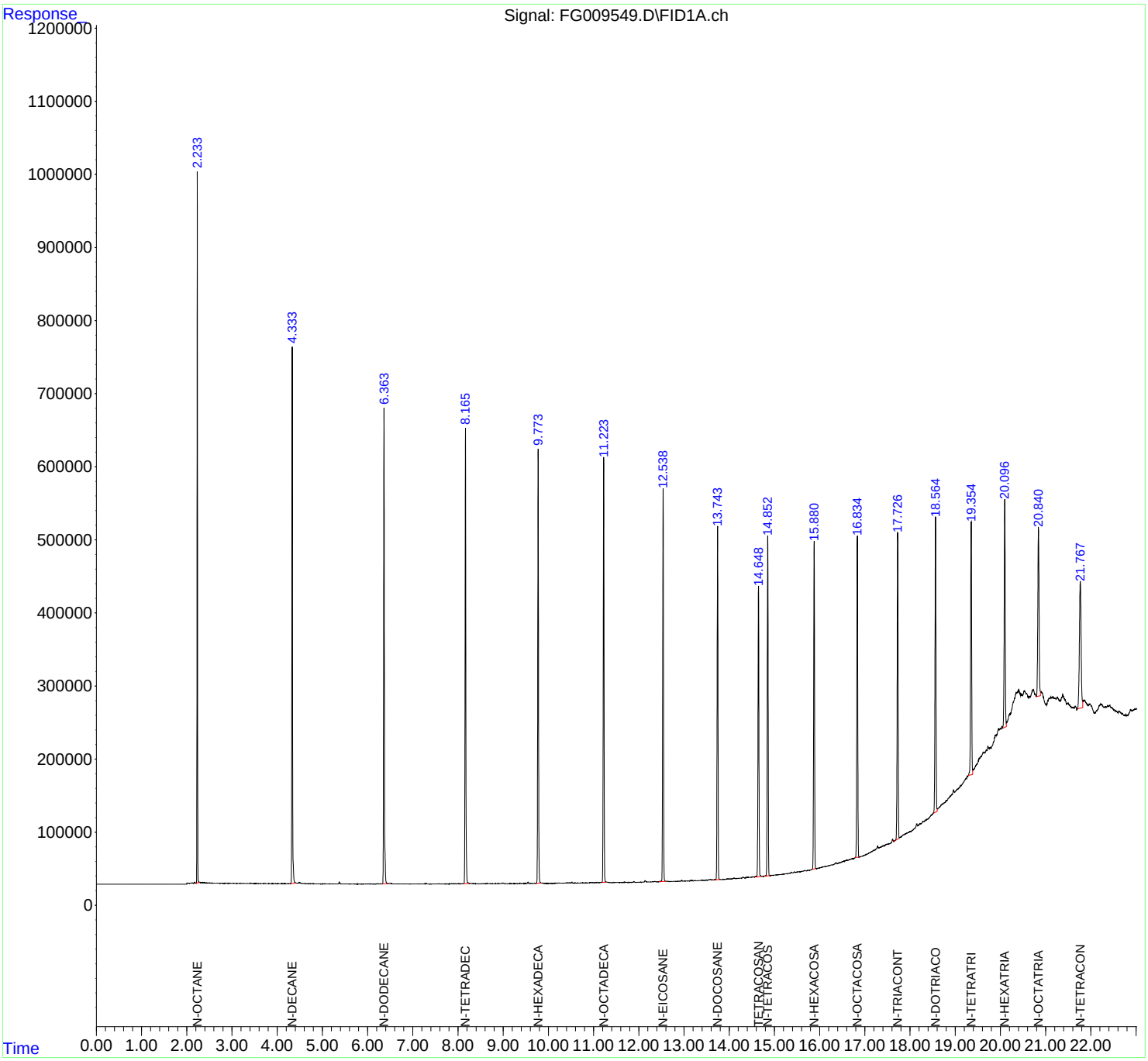

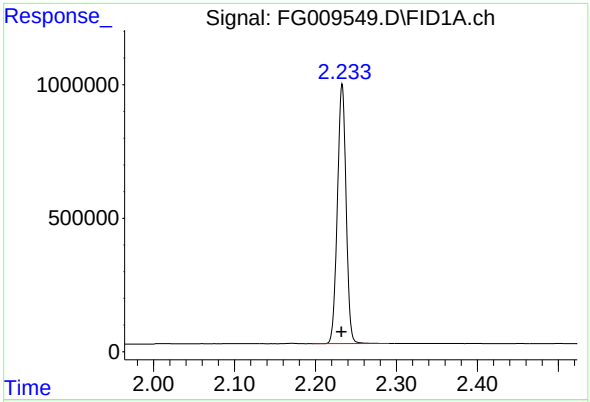

#1 N-OCTANE

R.T.: 2.233 min
Delta R.T.: 0.001 min
Response: 7266974
Conc: 49.74 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM TRPH STD

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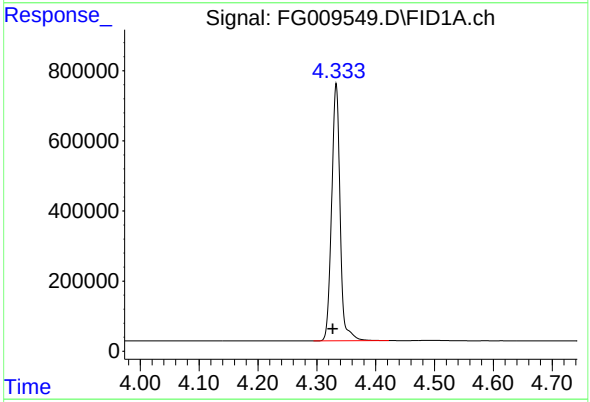
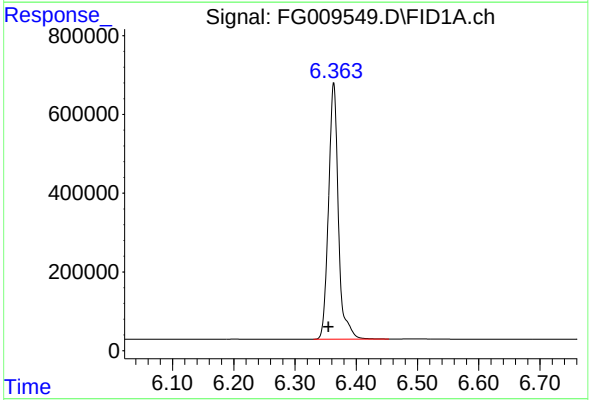


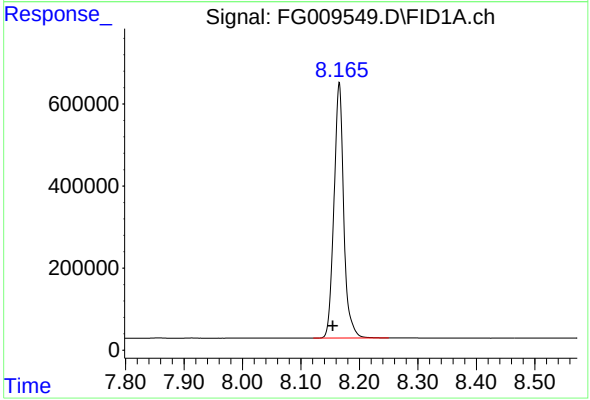
#2 N-DECANE

R.T.: 4.333 min
Delta R.T.: 0.006 min
Response: 7330718
Conc: 49.37 ug/ml



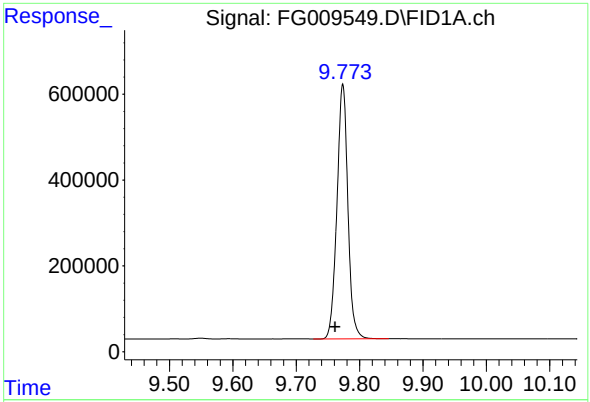
#3 N-DODECANE

R.T.: 6.363 min
Delta R.T.: 0.009 min
Response: 7286518
Conc: 48.35 ug/ml



#4 N-TETRADECANE

R.T.: 8.166 min
Delta R.T.: 0.011 min
Response: 7233180
Conc: 47.22 ug/ml



#5 N-HEXADECANE

R.T.: 9.774 min
Delta R.T.: 0.012 min
Response: 7119942
Conc: 46.14 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM TRPH STD

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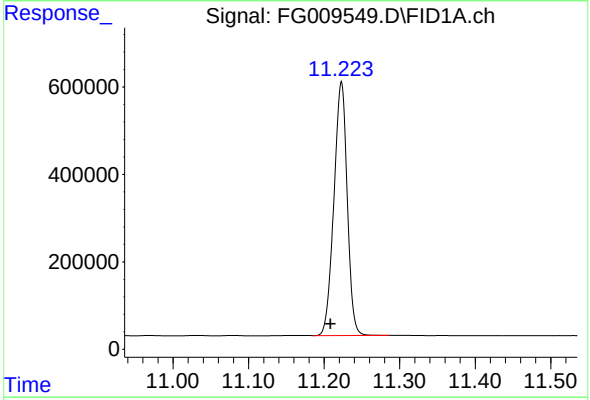
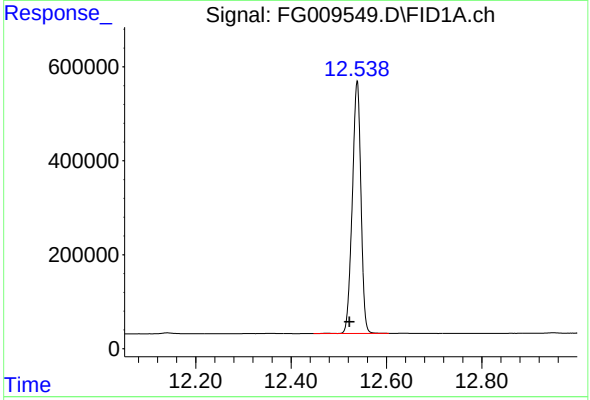


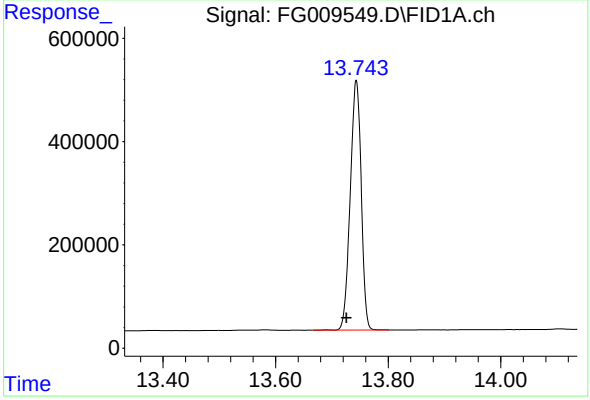
#6 N-OCTADECANE

R.T.: 11.223 min
Delta R.T.: 0.015 min
Response: 7113768
Conc: 45.21 ug/ml



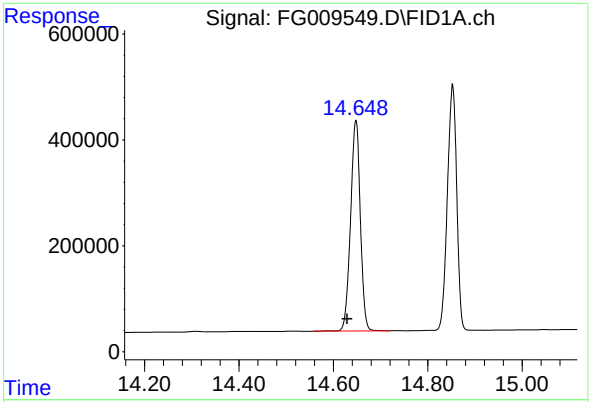
#7 N-EICOSANE

R.T.: 12.539 min
Delta R.T.: 0.017 min
Response: 6763848
Conc: 44.66 ug/ml



#8 N-DOCOSANE

R.T.: 13.743 min
Delta R.T.: 0.017 min
Response: 6532437
Conc: 44.26 ug/ml



#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 14.648 min
Delta R.T.: 0.019 min
Response: 5711658
Conc: 44.34 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM TRPH STD

Manual Integrations
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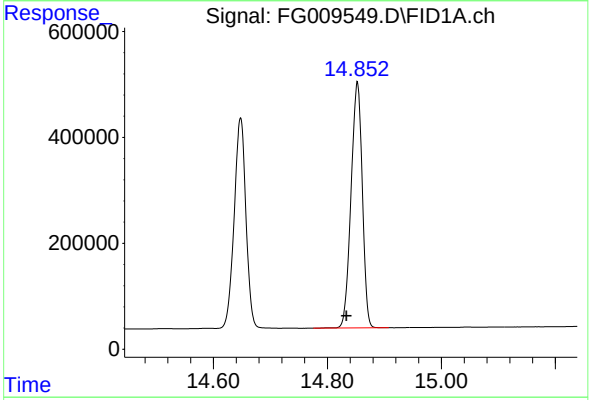
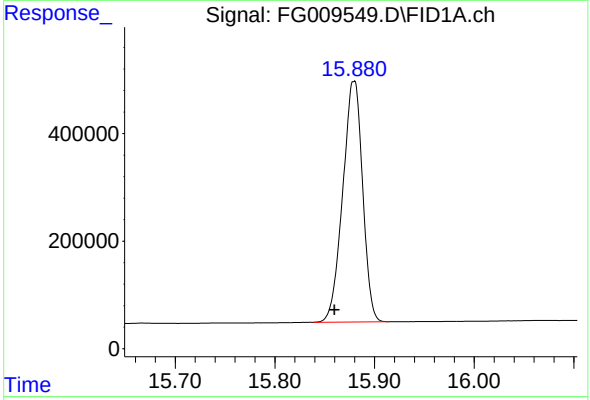
Supervised By :mohammad ahmed 04/12/2022



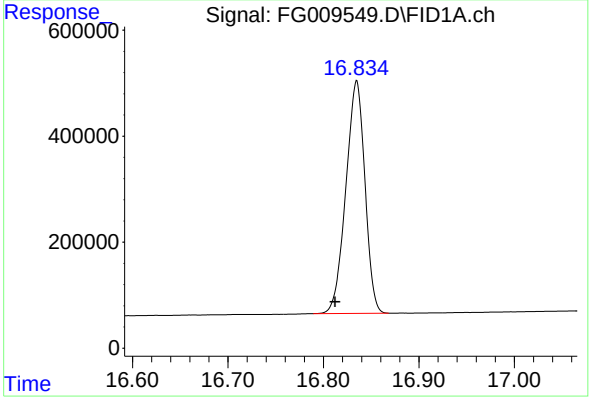
#10 N-TETRACOSANE

R.T.: 14.853 min
Delta R.T.: 0.019 min
Response: 6369828
Conc: 44.43 ug/ml



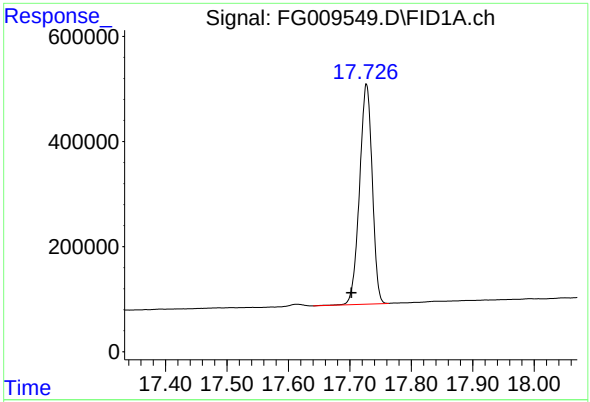
#11 N-HEXACOSANE

R.T.: 15.880 min
Delta R.T.: 0.020 min
Response: 6207993
Conc: 45.19 ug/ml m



#12 N-OCTACOSANE

R.T.: 16.834 min
Delta R.T.: 0.022 min
Response: 6082790
Conc: 46.61 ug/ml m



#13 N-TRIACONTANE

R.T.: 17.727 min
Delta R.T.: 0.025 min
Response: 6017713
Conc: 48.73 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM TRPH STD

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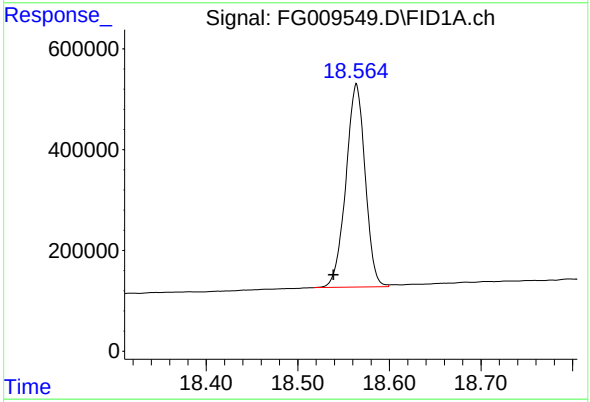
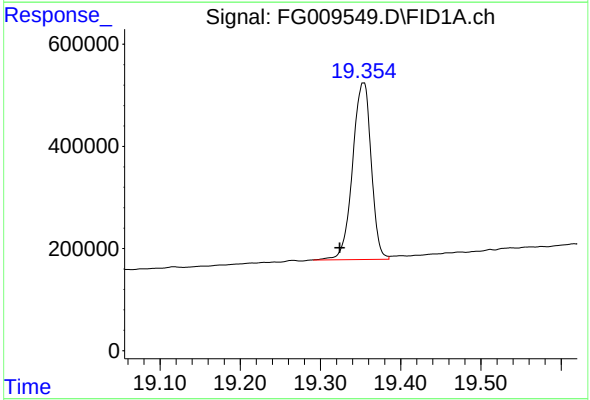


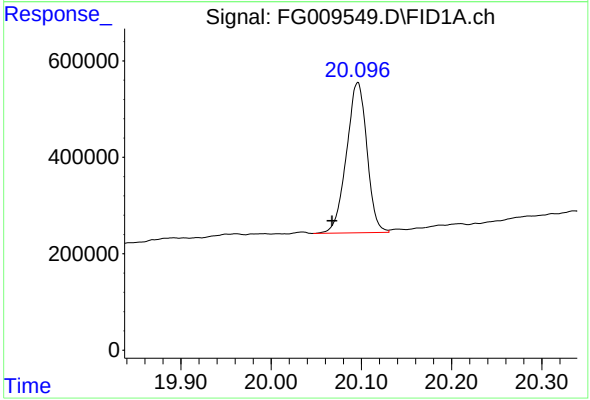
#14 N-DOTRIACONTANE

R.T.: 18.564 min
Delta R.T.: 0.025 min
Response: 5892170
Conc: 50.76 ug/ml m



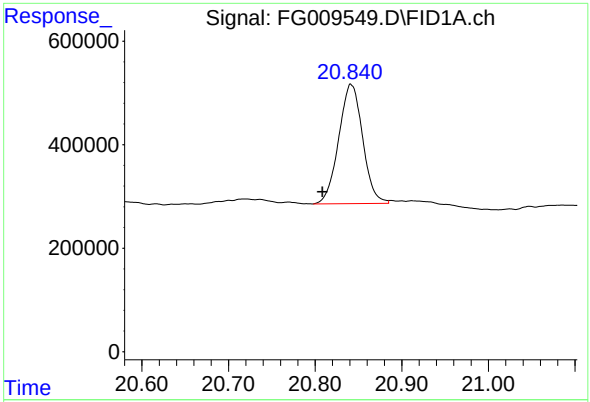
#15 N-TETRATRIACONTANE

R.T.: 19.354 min
Delta R.T.: 0.030 min
Response: 5576371
Conc: 52.44 ug/ml m



#16 N-HEXATRIACONTANE

R.T.: 20.096 min
Delta R.T.: 0.029 min
Response: 4906440
Conc: 51.81 ug/ml m



#17 N-OCTATRIACONTANE

R.T.: 20.840 min
Delta R.T.: 0.032 min
Response: 4429243
Conc: 51.44 ug/ml

Instrument :
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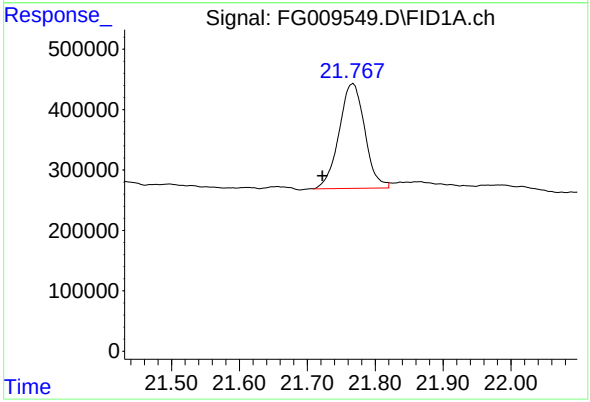

#18 N-TETRACONTANE

R.T.: 21.767 min
Delta R.T.: 0.045 min
Response: 4564519
Conc: 52.89 ug/ml m