

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
 Data File : FC068401.D
 Signal(s) : FID1A.ch
 Acq On : 26 Mar 2025 10:26
 Operator : YP/AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
 Quant Time: Mar 26 13:11:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
 Quant Title : GC Extractables
 QLast Update : Wed Mar 26 13:10:46 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.397	18022152	87.143 ug/ml
Spiked Amount 50.000		Recovery =	174.29%
12) S 1-chlorooctadecane (S...	12.835	13391425	85.929 ug/ml
Spiked Amount 50.000		Recovery =	171.86%
Target Compounds			
1) T n-Nonane (C9)	3.203	14755216	88.977 ug/ml
2) T n-Decane (C10)	4.260	15026852	89.124 ug/ml
3) T A~Naphthalene (C11.7)	5.825	16689744	90.339 ug/ml
4) T n-Dodecane (C12)	6.267	15304699	89.485 ug/ml
5) T A~2-methylnaphthalene...	6.878	16293302	91.366 ug/ml
6) T n-Tetradecane (C14)	8.055	15405712	89.847 ug/ml
7) T n-Hexadecane (C16)	9.651	15960315	88.855 ug/ml
8) T n-Octadecane (C18)	11.091	16014633	87.298 ug/ml
10) T n-Eicosane (C20)	12.395	15259809	85.614 ug/ml
11) T n-Heneicosane (C21)	13.006	14940993	85.386 ug/ml
13) T n-Docosane (C22)	13.591	14810036	84.833 ug/ml
14) T n-Tetracosane (C24)	14.691	14604400	83.903 ug/ml
15) T n-Hexacosane (C26)	15.709	14222474	83.552 ug/ml
16) T n-Octacosane (C28)	16.657	13733998	81.646 ug/ml
17) T n-Tricontane (C30)	17.545	13722934	78.333 ug/ml
18) T n-Dotriacontane (C32)	18.374	12956119	76.432 ug/ml
19) T n-Tetratriacontane (C34)	19.156	11776981	77.993 ug/ml
20) T n-Hexatriacontane (C36)	19.893	10216728	80.554 ug/ml
21) T n-Octatriacontane (C38)	20.603	9266089	82.732 ug/ml
22) T n-Tetracontane (C40)	21.453	8770167	85.317 ug/ml

(f)=RT Delta > 1/2 Window

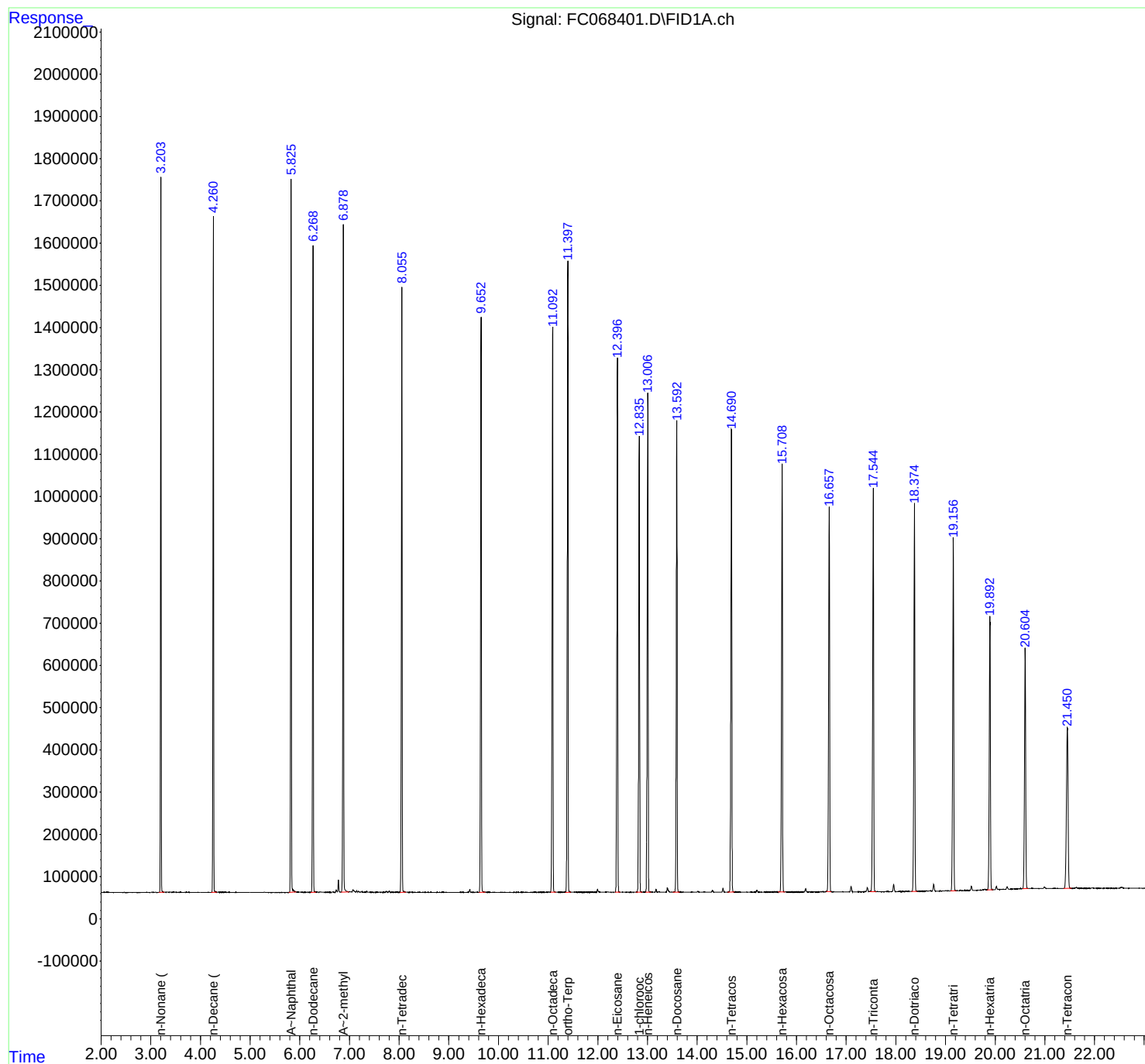
(m)=manual int.

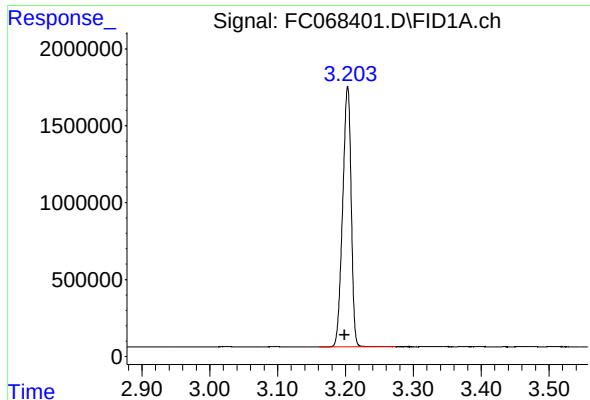
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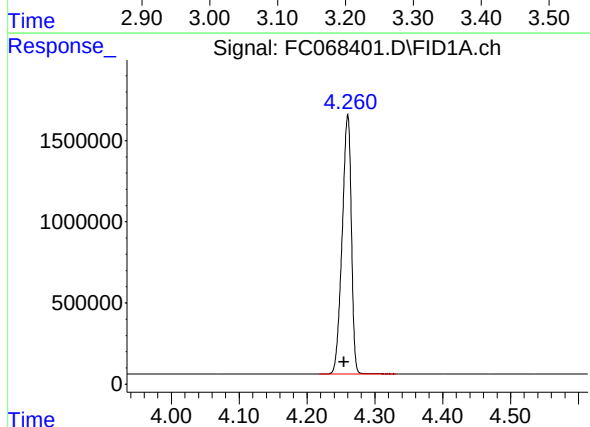




#1 n-Nonane (C9)

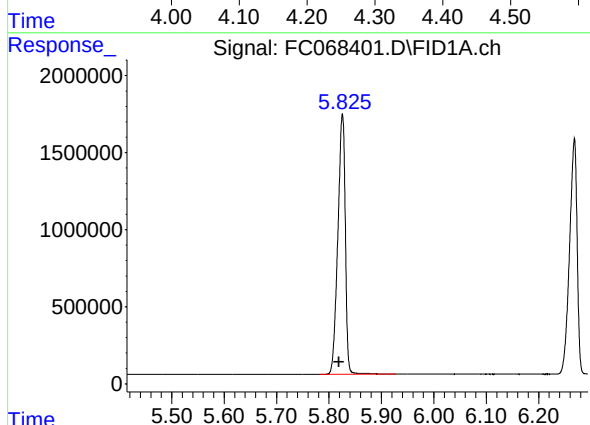
R.T.: 3.203 min
Delta R.T.: 0.004 min
Response: 14755216
Conc: 88.98 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



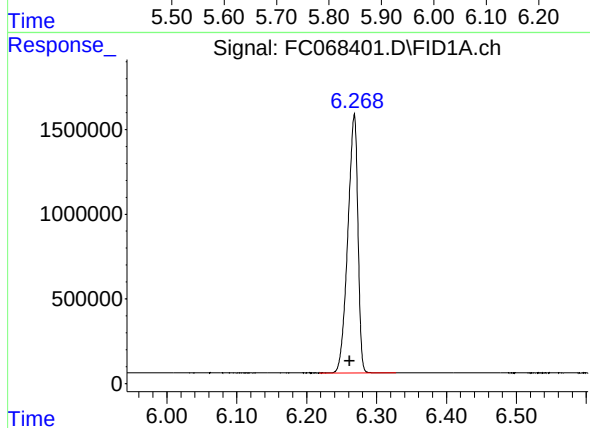
#2 n-Decane (C10)

R.T.: 4.260 min
Delta R.T.: 0.005 min
Response: 15026852
Conc: 89.12 ug/ml



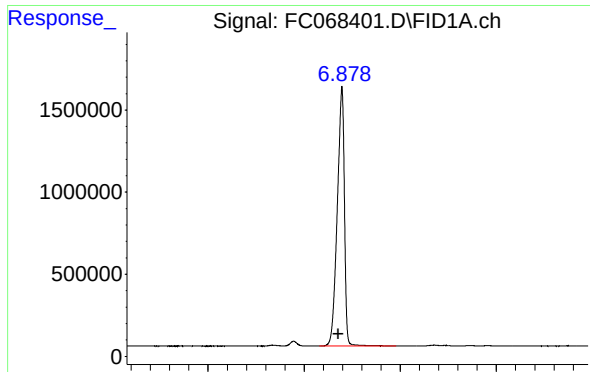
#3 A~Naphthalene (C11.7)

R.T.: 5.825 min
Delta R.T.: 0.006 min
Response: 16689744
Conc: 90.34 ug/ml



#4 n-Dodecane (C12)

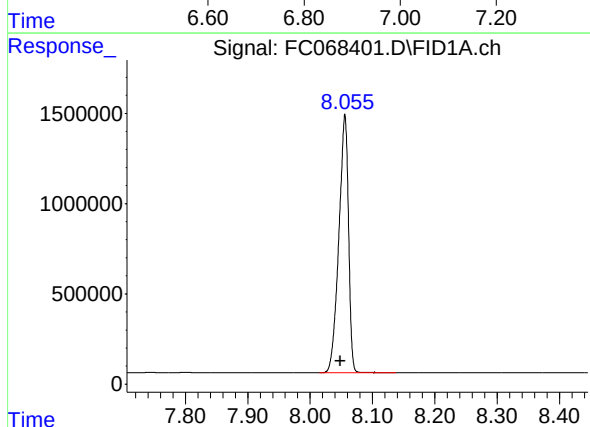
R.T.: 6.267 min
Delta R.T.: 0.006 min
Response: 15304699
Conc: 89.49 ug/ml



#5 A~2-methylnaphthalene (C12.89)

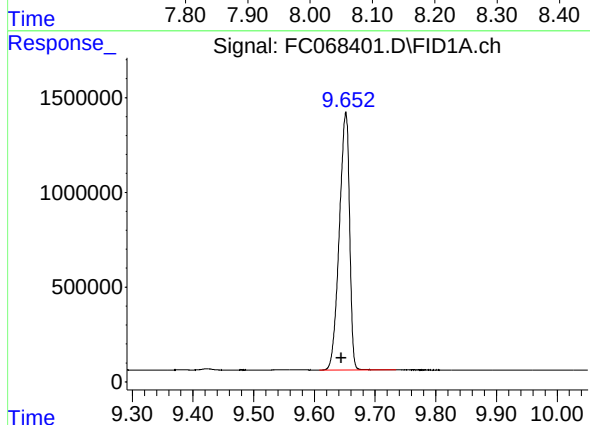
R.T.: 6.878 min
Delta R.T.: 0.007 min
Response: 16293302
Conc: 91.37 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



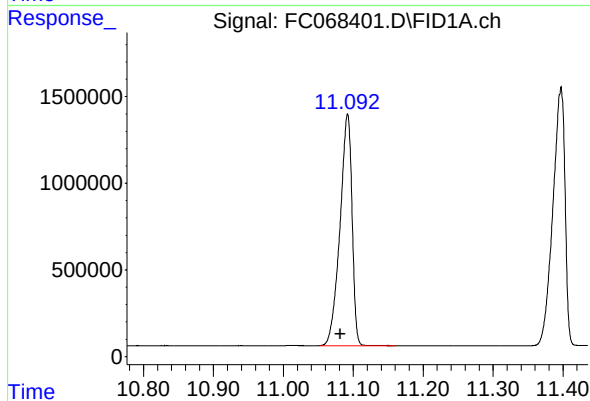
#6 n-Tetradecane (C14)

R.T.: 8.055 min
Delta R.T.: 0.007 min
Response: 15405712
Conc: 89.85 ug/ml



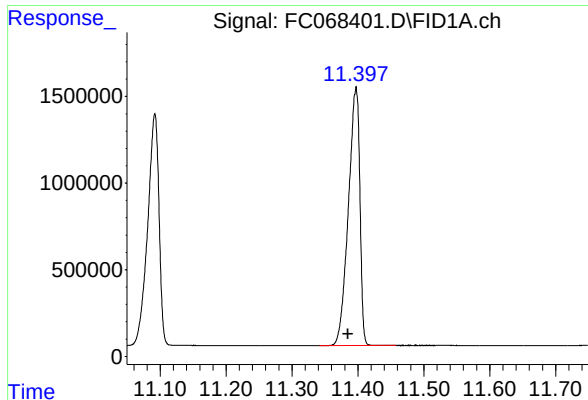
#7 n-Hexadecane (C16)

R.T.: 9.651 min
Delta R.T.: 0.007 min
Response: 15960315
Conc: 88.86 ug/ml



#8 n-Octadecane (C18)

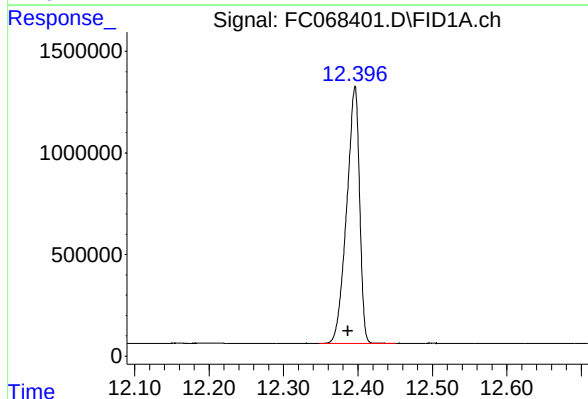
R.T.: 11.091 min
Delta R.T.: 0.010 min
Response: 16014633
Conc: 87.30 ug/ml



#9 ortho-Terphenyl (SURR)

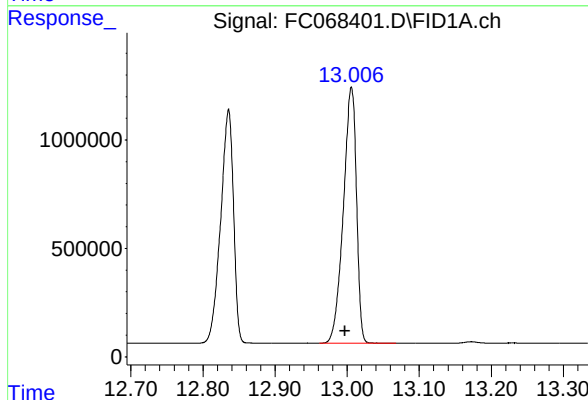
R.T.: 11.397 min
Delta R.T.: 0.012 min
Response: 18022152
Conc: 87.14 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



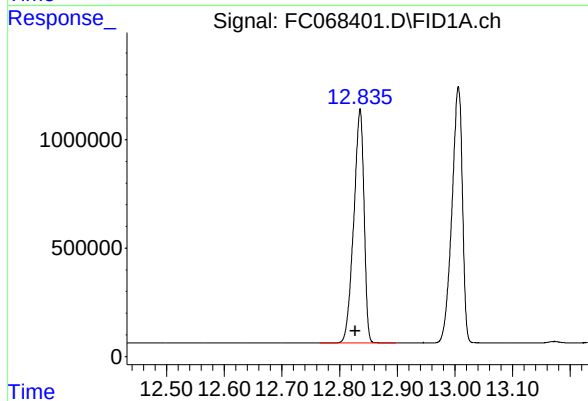
#10 n-Eicosane (C20)

R.T.: 12.395 min
Delta R.T.: 0.009 min
Response: 15259809
Conc: 85.61 ug/ml



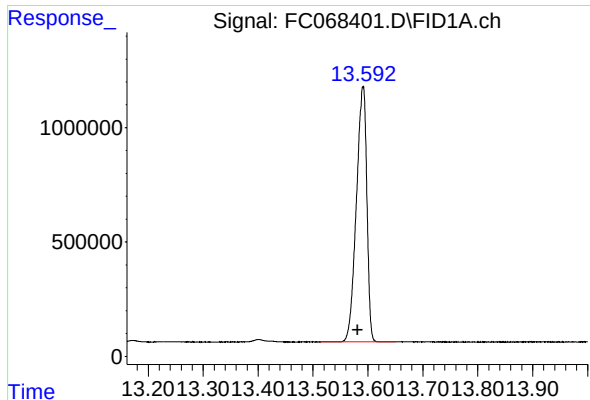
#11 n-Heneicosane (C21)

R.T.: 13.006 min
Delta R.T.: 0.009 min
Response: 14940993
Conc: 85.39 ug/ml



#12 1-chlorooctadecane (SURR)

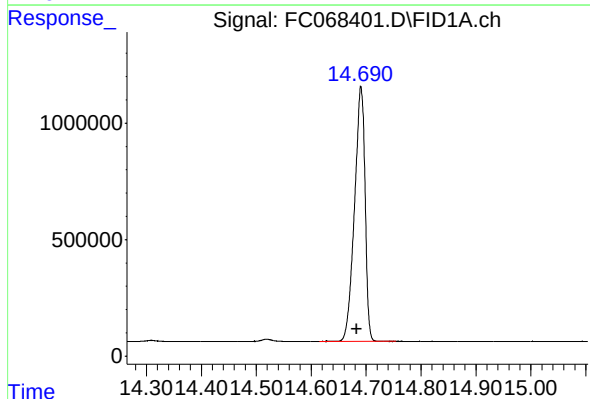
R.T.: 12.835 min
Delta R.T.: 0.008 min
Response: 13391425
Conc: 85.93 ug/ml



#13 n-Docosane (C22)

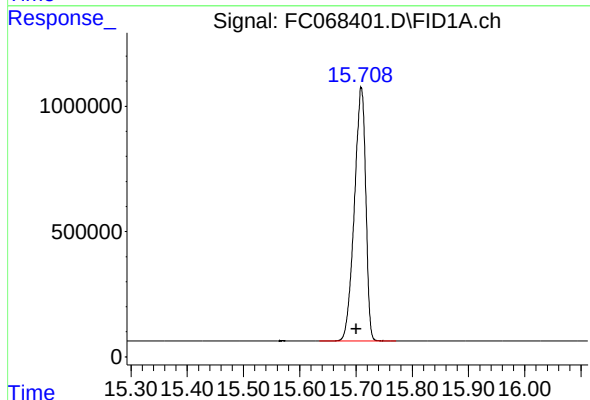
R.T.: 13.591 min
Delta R.T.: 0.009 min
Response: 14810036
Conc: 84.83 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



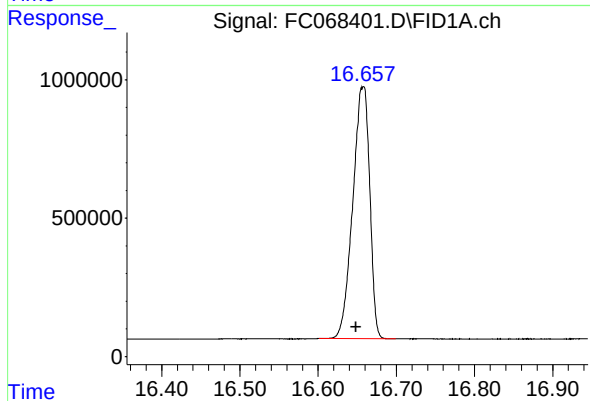
#14 n-Tetracosane (C24)

R.T.: 14.691 min
Delta R.T.: 0.008 min
Response: 14604400
Conc: 83.90 ug/ml



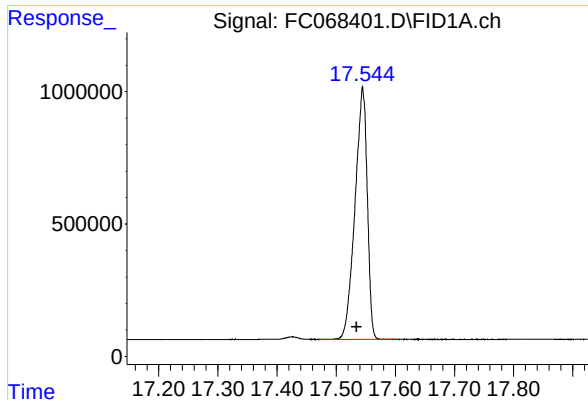
#15 n-Hexacosane (C26)

R.T.: 15.709 min
Delta R.T.: 0.009 min
Response: 14222474
Conc: 83.55 ug/ml



#16 n-Octacosane (C28)

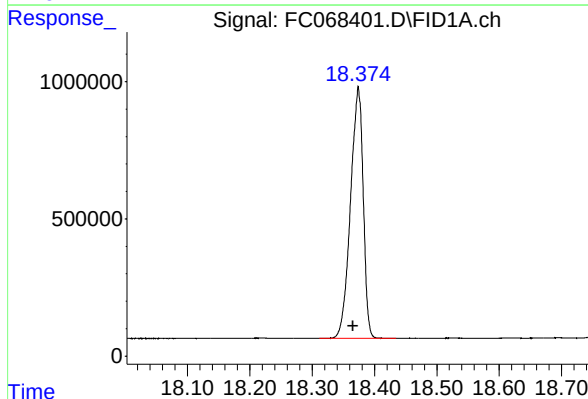
R.T.: 16.657 min
Delta R.T.: 0.009 min
Response: 13733998
Conc: 81.65 ug/ml



#17 n-Tricontane (C30)

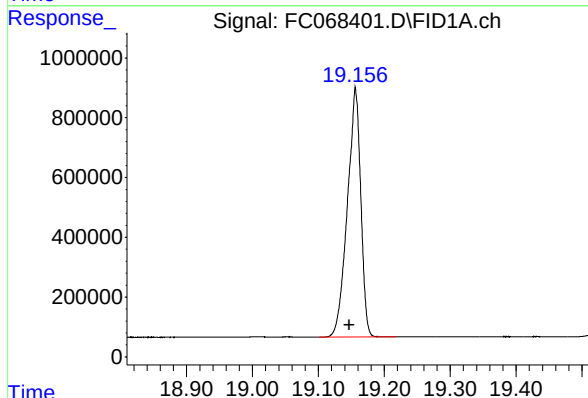
R.T.: 17.545 min
Delta R.T.: 0.010 min
Response: 13722934
Conc: 78.33 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



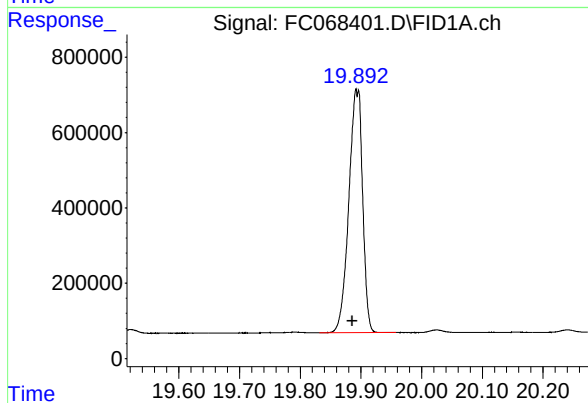
#18 n-Dotriacontane (C32)

R.T.: 18.374 min
Delta R.T.: 0.008 min
Response: 12956119
Conc: 76.43 ug/ml



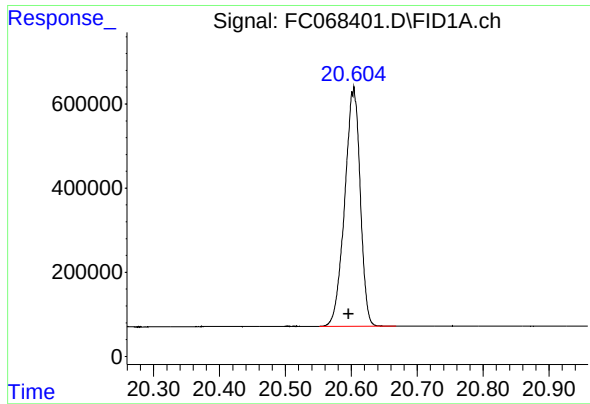
#19 n-Tetratriacontane (C34)

R.T.: 19.156 min
Delta R.T.: 0.009 min
Response: 11776981
Conc: 77.99 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.893 min
Delta R.T.: 0.008 min
Response: 10216728
Conc: 80.55 ug/ml



#21 n-Octatriacontane (C38)

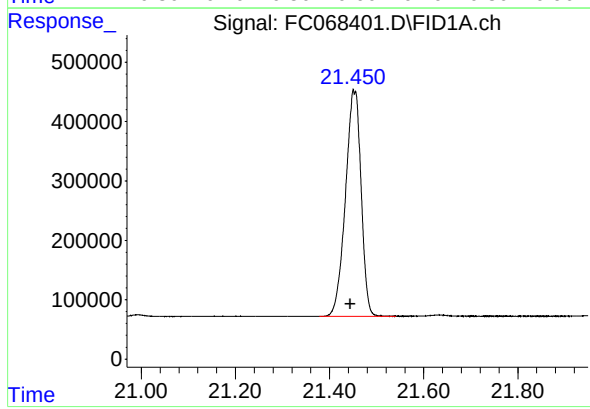
R.T.: 20.603 min
Delta R.T.: 0.008 min
Response: 9266089
Conc: 82.73 ug/ml

Instrument :

FID_C

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.453 min
Delta R.T.: 0.008 min
Response: 8770167
Conc: 85.32 ug/ml