

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC081823AL\
 Data File : FC064361.D
 Signal(s) : FID1A.ch
 Acq On : 18 Aug 2023 10:57
 Operator : YP/AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
 Quant Time: Aug 18 13:14:26 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 081823.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 18 13:04:15 2023
 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)	11.522	21220597	98.661 ug/ml
Spiked Amount 50.000		Recovery =	197.32%
12) S 1-chlorooctadecane (S...	12.954	15275551	98.448 ug/ml
Spiked Amount 50.000		Recovery =	196.90%
Target Compounds			
1) T n-Nonane (C9)	3.312	18090430	101.121 ug/ml
2) T n-Decane (C10)	4.371	18176352	102.124 ug/ml
3) T A~Naphthalene (C11.7)	5.948	19880034	107.528 ug/ml
4) T n-Dodecane (C12)	6.381	18274121	100.493 ug/ml
5) T A~2-methylnaphthalene...	7.004	19468921	109.413 ug/ml
6) T n-Tetradecane (C14)	8.172	17847083	100.859 ug/ml
7) T n-Hexadecane (C16)	9.768	17775867	100.476 ug/ml
8) T n-Octadecane (C18)	11.207	17512757	98.491 ug/ml
10) T n-Eicosane (C20)	12.510	16734807	97.628 ug/ml
11) T n-Heneicosane (C21)	13.120	16427354	97.298 ug/ml
13) T n-Docosane (C22)	13.705	16155978	97.740 ug/ml
14) T n-Tetracosane (C24)	14.803	15750786	97.744 ug/ml
15) T n-Hexacosane (C26)	15.820	15219647	97.268 ug/ml
16) T n-Octacosane (C28)	16.767	14578156	97.321 ug/ml
17) T n-Tricontane (C30)	17.650	14254797	96.748 ug/ml
18) T n-Dotriacontane (C32)	18.481	13715056	96.594 ug/ml
19) T n-Tetratriacontane (C34)	19.259	13044588	97.015 ug/ml
20) T n-Hexatriacontane (C36)	19.995	12614816	97.901 ug/ml
21) T n-Octatriacontane (C38)	20.719	12193654	98.508 ug/ml
22) T n-Tetracontane (C40)	21.602	11831474	100.507 ug/ml

(f)=RT Delta > 1/2 Window

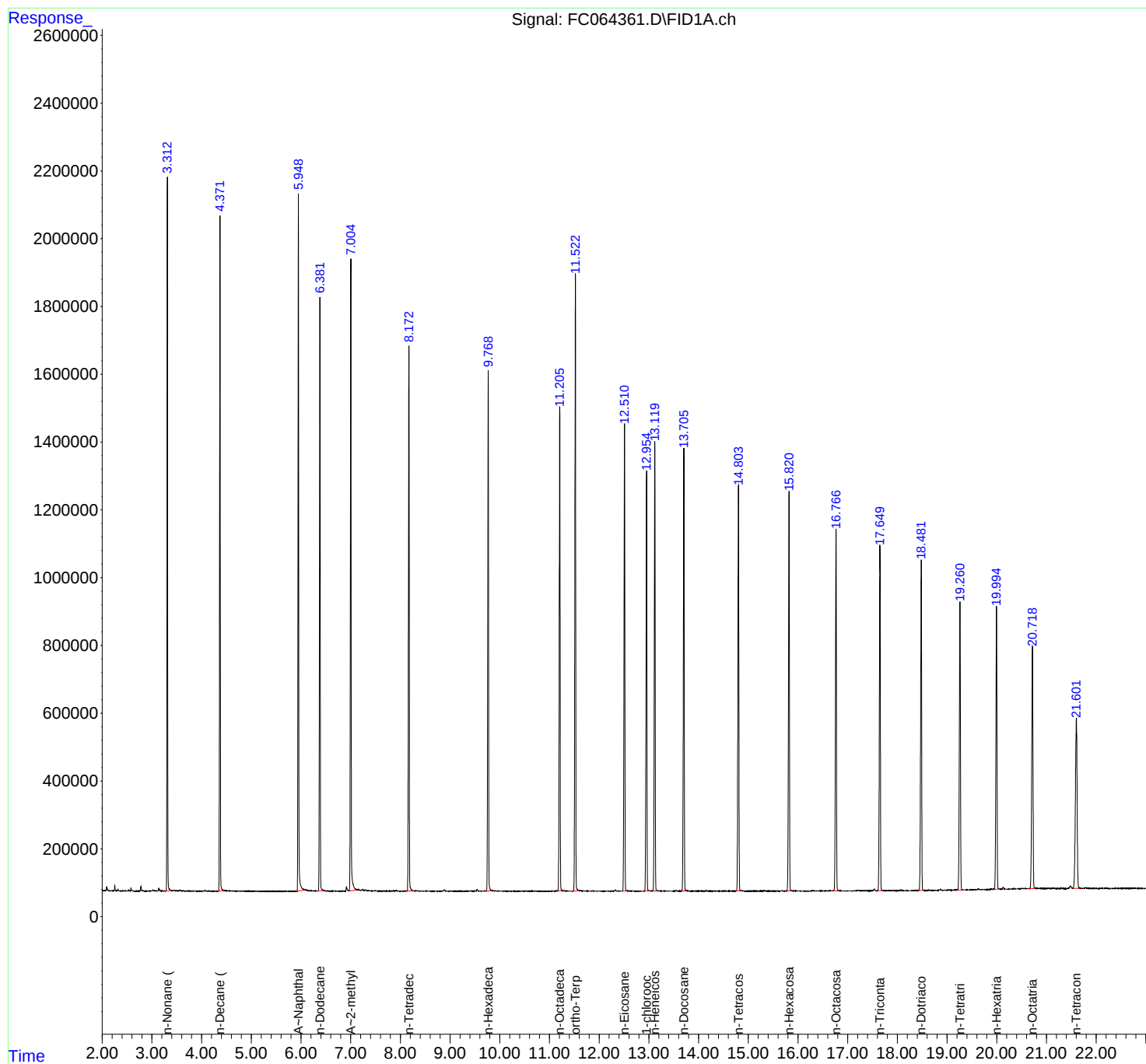
(m)=manual int.

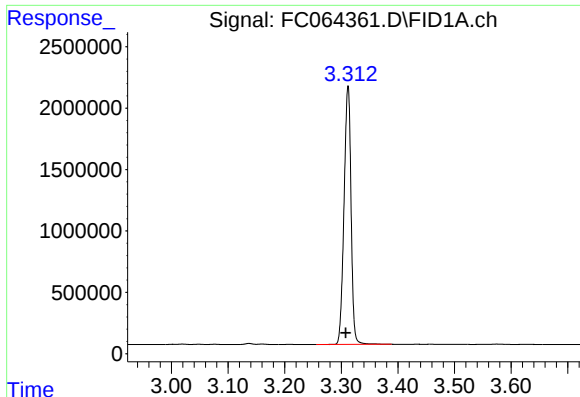
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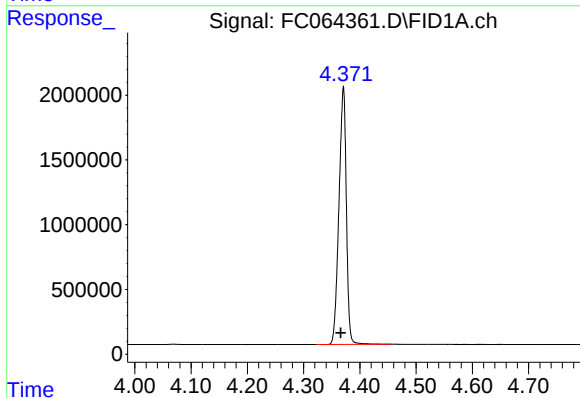




#1 n-Nonane (C9)

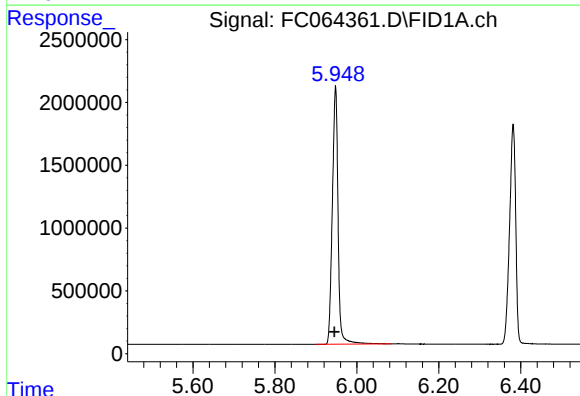
R.T.: 3.312 min
Delta R.T.: 0.004 min
Response: 18090430
Conc: 101.12 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



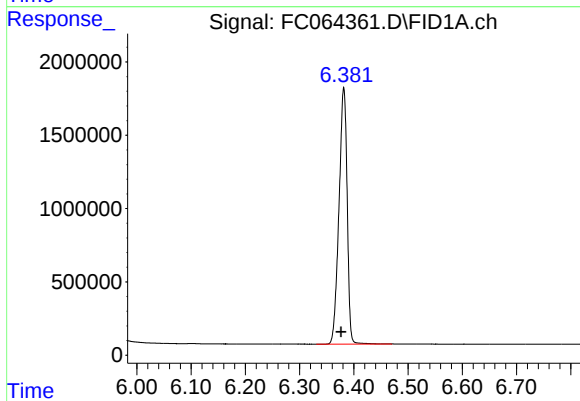
#2 n-Decane (C10)

R.T.: 4.371 min
Delta R.T.: 0.005 min
Response: 18176352
Conc: 102.12 ug/ml



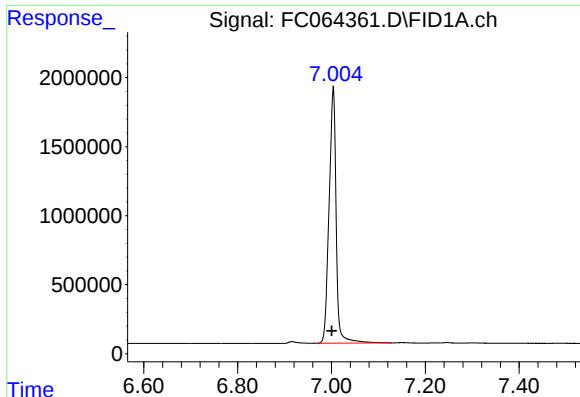
#3 A~Naphthalene (C11.7)

R.T.: 5.948 min
Delta R.T.: 0.003 min
Response: 19880034
Conc: 107.53 ug/ml



#4 n-Dodecane (C12)

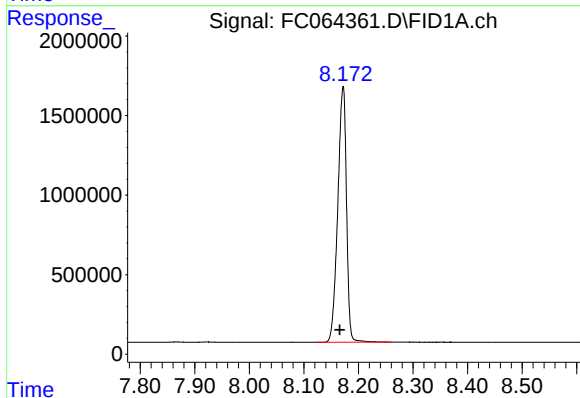
R.T.: 6.381 min
Delta R.T.: 0.005 min
Response: 18274121
Conc: 100.49 ug/ml



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

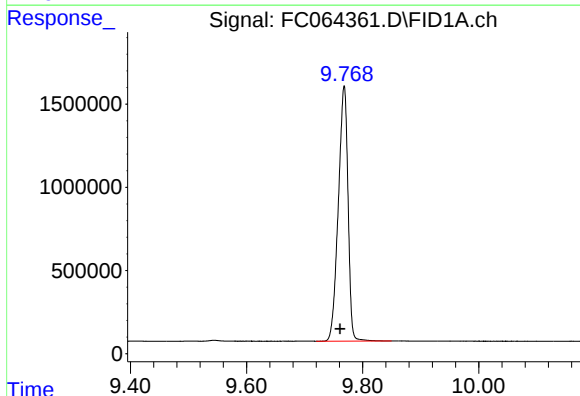
R.T.: 7.004 min
Delta R.T.: 0.003 min
Response: 19468921
Conc: 109.41 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



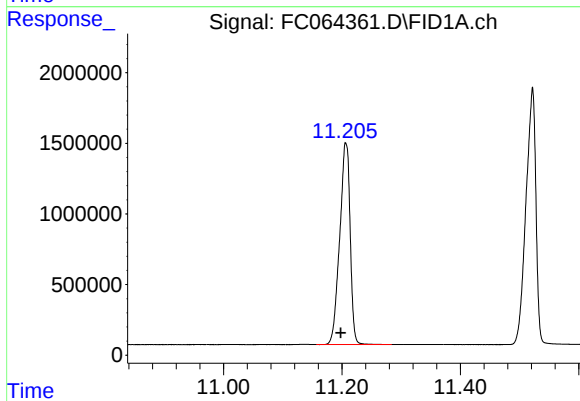
#6 n-Tetradecane (C14)

R.T.: 8.172 min
Delta R.T.: 0.006 min
Response: 17847083
Conc: 100.86 ug/ml



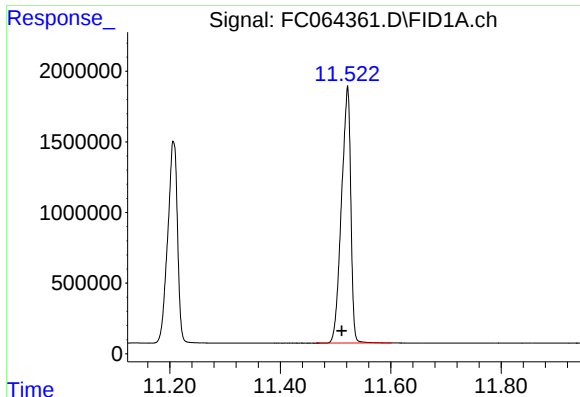
#7 n-Hexadecane (C16)

R.T.: 9.768 min
Delta R.T.: 0.007 min
Response: 17775867
Conc: 100.48 ug/ml



#8 n-Octadecane (C18)

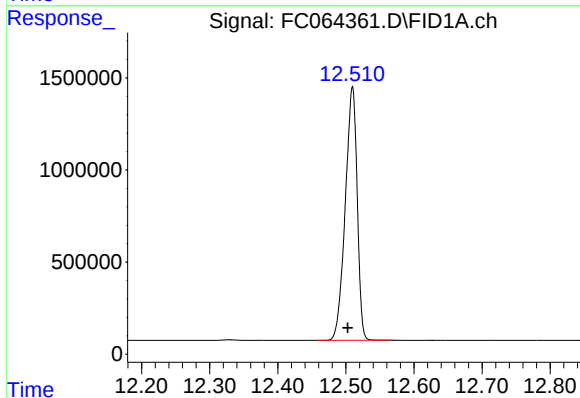
R.T.: 11.207 min
Delta R.T.: 0.009 min
Response: 17512757
Conc: 98.49 ug/ml



#9 ortho-Terphenyl (SURR)

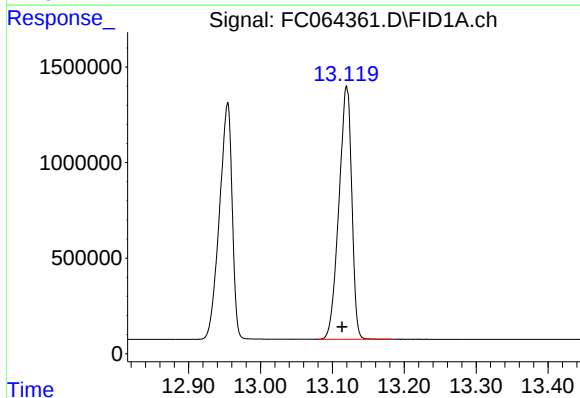
R.T.: 11.522 min
Delta R.T.: 0.010 min
Response: 21220597
Conc: 98.66 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



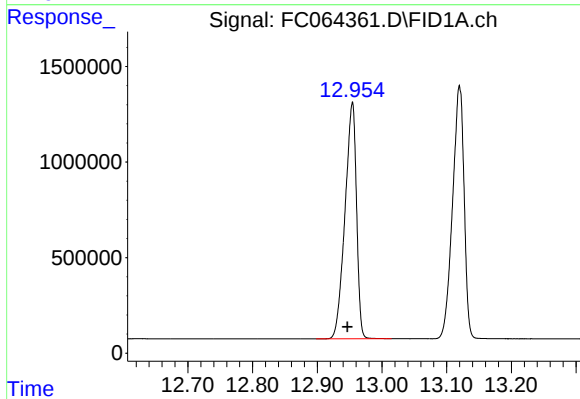
#10 n-Eicosane (C20)

R.T.: 12.510 min
Delta R.T.: 0.007 min
Response: 16734807
Conc: 97.63 ug/ml



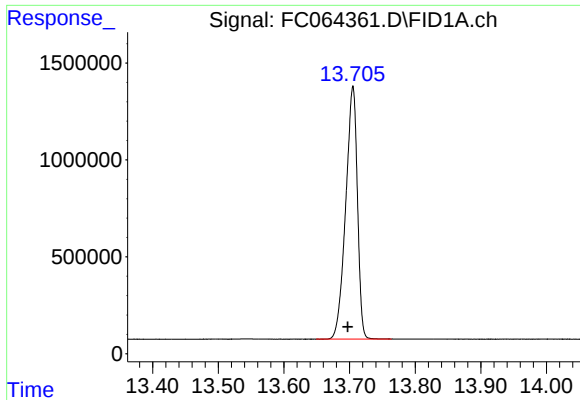
#11 n-Heneicosane (C21)

R.T.: 13.120 min
Delta R.T.: 0.007 min
Response: 16427354
Conc: 97.30 ug/ml



#12 1-chlorooctadecane (SURR)

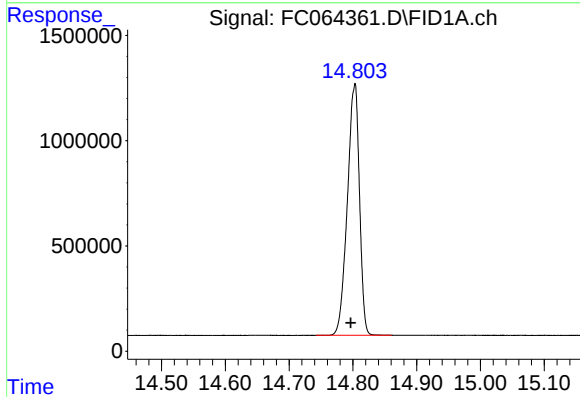
R.T.: 12.954 min
Delta R.T.: 0.008 min
Response: 15275551
Conc: 98.45 ug/ml



#13 n-Docosane (C22)

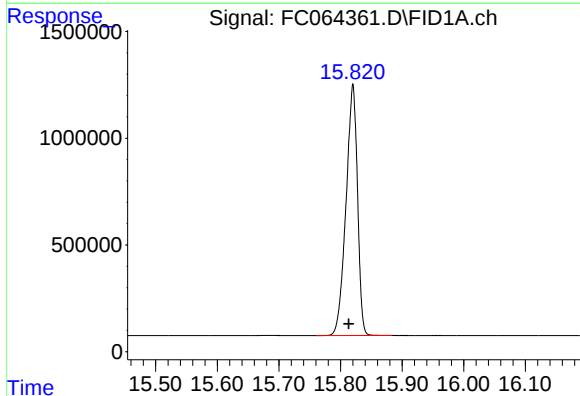
R.T.: 13.705 min
Delta R.T.: 0.008 min
Response: 16155978
Conc: 97.74 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



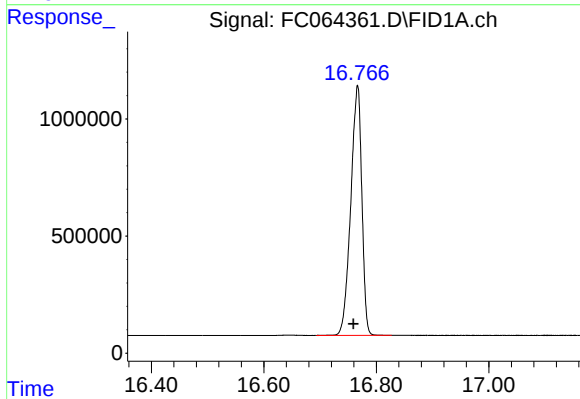
#14 n-Tetracosane (C24)

R.T.: 14.803 min
Delta R.T.: 0.006 min
Response: 15750786
Conc: 97.74 ug/ml



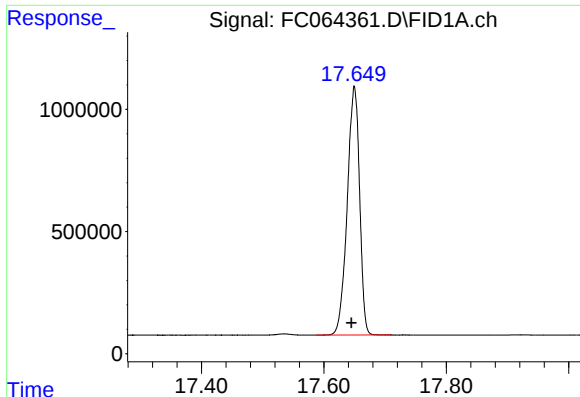
#15 n-Hexacosane (C26)

R.T.: 15.820 min
Delta R.T.: 0.007 min
Response: 15219647
Conc: 97.27 ug/ml



#16 n-Octacosane (C28)

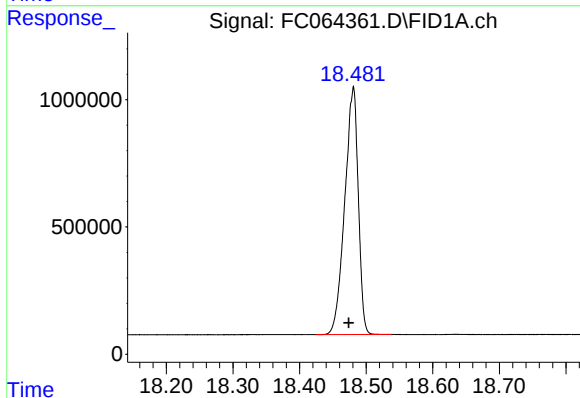
R.T.: 16.767 min
Delta R.T.: 0.008 min
Response: 14578156
Conc: 97.32 ug/ml



#17 n-Tricontane (C30)

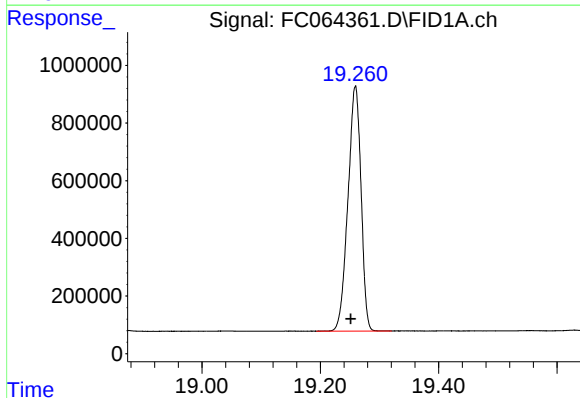
R.T.: 17.650 min
Delta R.T.: 0.005 min
Response: 14254797
Conc: 96.75 ug/ml

Instrument :
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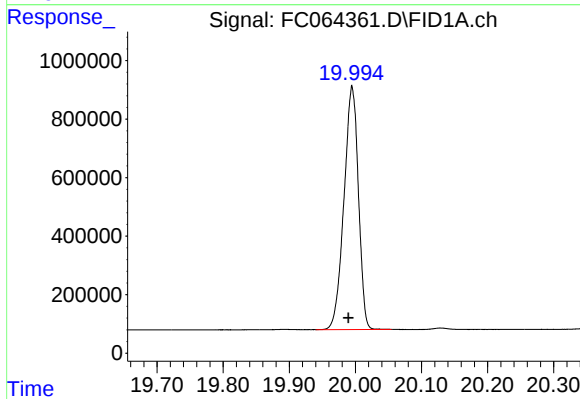
#18 n-Dotriacontane (C32)

R.T.: 18.481 min
Delta R.T.: 0.007 min
Response: 13715056
Conc: 96.59 ug/ml



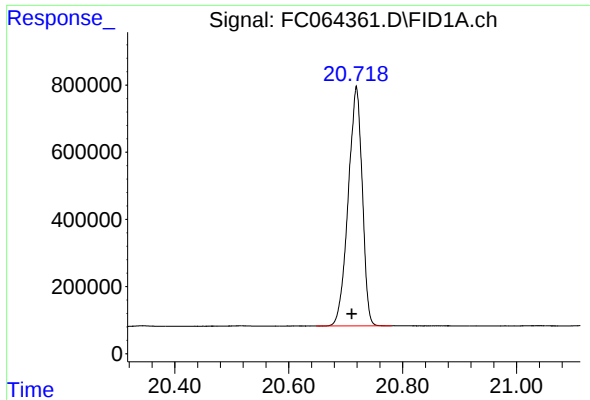
#19 n-Tetratriacontane (C34)

R.T.: 19.259 min
Delta R.T.: 0.008 min
Response: 13044588
Conc: 97.01 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.995 min
Delta R.T.: 0.006 min
Response: 12614816
Conc: 97.90 ug/ml



#21 n-Octatriacontane (C38)

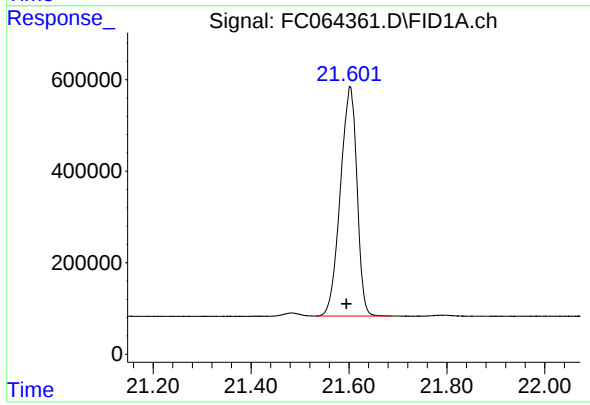
R.T.: 20.719 min
Delta R.T.: 0.008 min
Response: 12193654
Conc: 98.51 ug/ml

Instrument :

FID_C

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.602 min
Delta R.T.: 0.008 min
Response: 11831474
Conc: 100.51 ug/ml