

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100625AL\
 Data File : FC069937.D
 Signal(s) : FID1A.ch
 Acq On : 06 Oct 2025 16:17
 Operator : YP/AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
 Quant Time: Oct 07 04:47:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100625.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 04:46:59 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)	11.657	17428523	107.789 ug/ml
Spiked Amount 50.000		Recovery =	215.58%
12) S 1-chlorooctadecane (S...	13.088	13491128	107.925 ug/ml
Spiked Amount 50.000		Recovery =	215.85%
Target Compounds			
1) T n-Nonane (C9)	3.388	13511792	104.492 ug/ml
2) T n-Decane (C10)	4.461	14269174	105.512 ug/ml
3) T A~Naphthalene (C11.7)	6.056	16109041	106.057 ug/ml
4) T n-Dodecane (C12)	6.485	15390045	107.242 ug/ml
5) T A~2-methylnaphthalene...	7.116	16083838	107.576 ug/ml
6) T n-Tetradecane (C14)	8.283	16089121	108.439 ug/ml
7) T n-Hexadecane (C16)	9.887	16927423	108.003 ug/ml
8) T n-Octadecane (C18)	11.334	16924222	107.107 ug/ml
10) T n-Eicosane (C20)	12.643	15851454	107.240 ug/ml
11) T n-Heneicosane (C21)	13.256	15332641	107.336 ug/ml
13) T n-Docosane (C22)	13.843	14972967	107.364 ug/ml
14) T n-Tetracosane (C24)	14.946	14292557	107.227 ug/ml
15) T n-Hexacosane (C26)	15.967	13453877	107.130 ug/ml
16) T n-Octacosane (C28)	16.919	12644771	107.096 ug/ml
17) T n-Tricontane (C30)	17.806	12335576	107.079 ug/ml
18) T n-Dotriacontane (C32)	18.639	11541380	106.981 ug/ml
19) T n-Tetratriacontane (C34)	19.422	10438103	106.669 ug/ml
20) T n-Hexatriacontane (C36)	20.162	9085745	105.941 ug/ml
21) T n-Octatriacontane (C38)	20.920	8347689	106.483 ug/ml
22) T n-Tetracontane (C40)	21.873	8014744	106.647 ug/ml

(f)=RT Delta > 1/2 Window

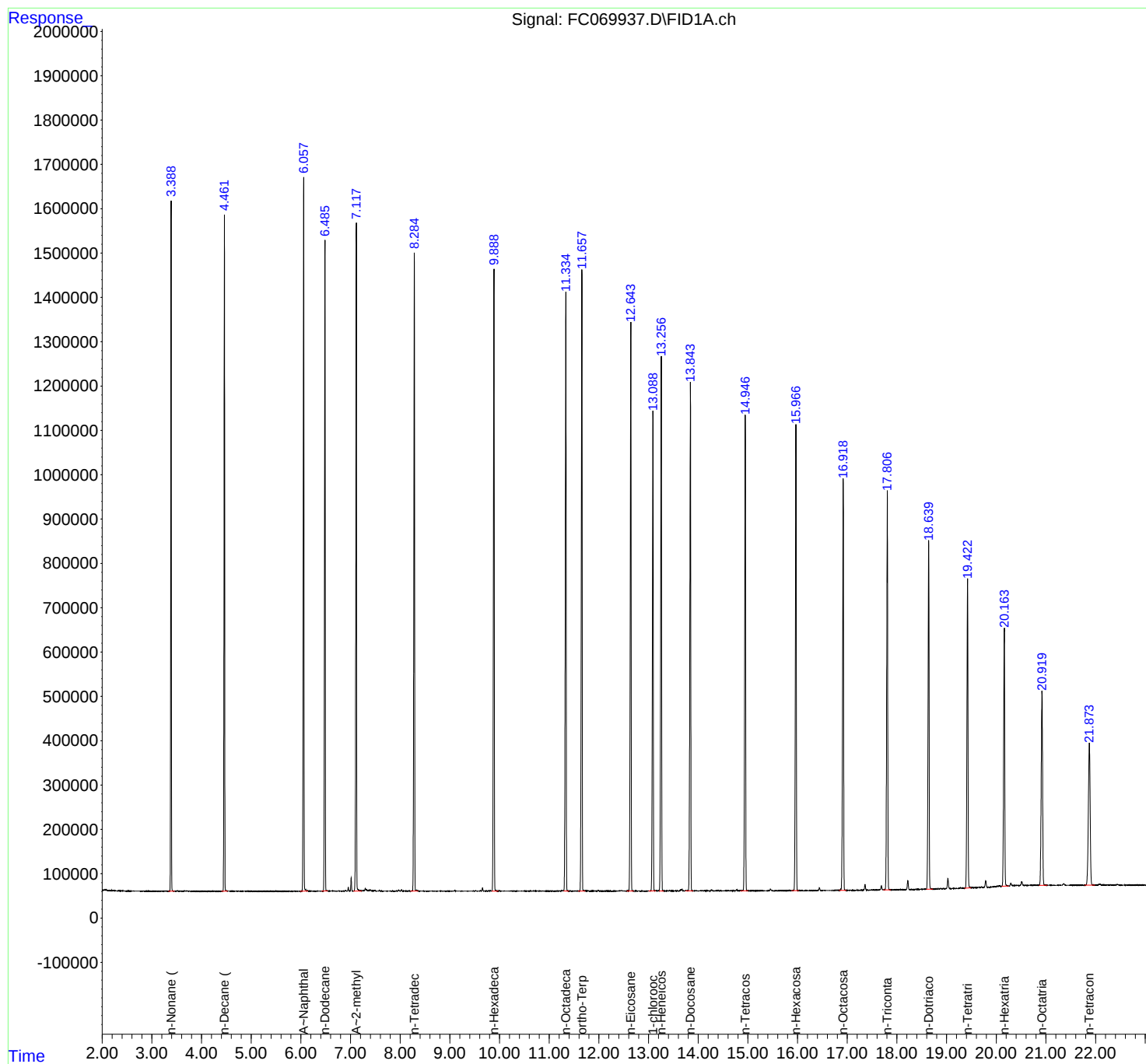
(m)=manual int.

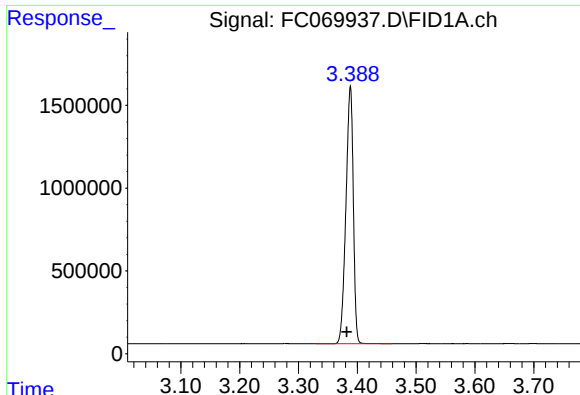
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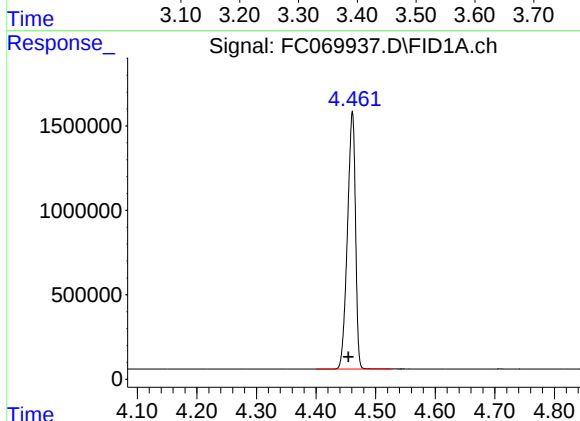




#1 n-Nonane (C9)

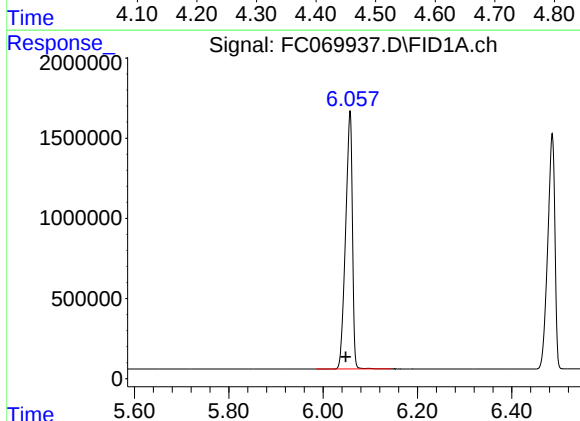
R.T.: 3.388 min
Delta R.T.: 0.006 min
Response: 13511792
Conc: 104.49 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



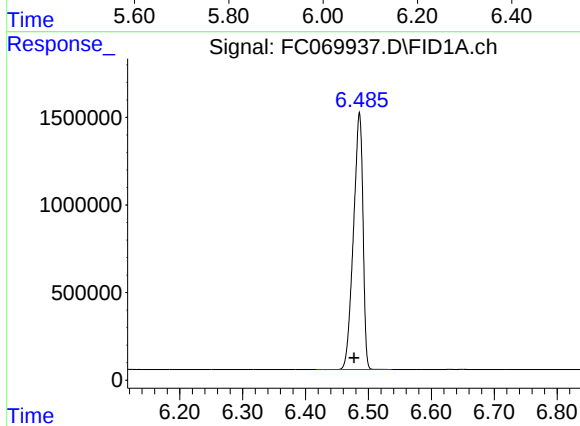
#2 n-Decane (C10)

R.T.: 4.461 min
Delta R.T.: 0.006 min
Response: 14269174
Conc: 105.51 ug/ml



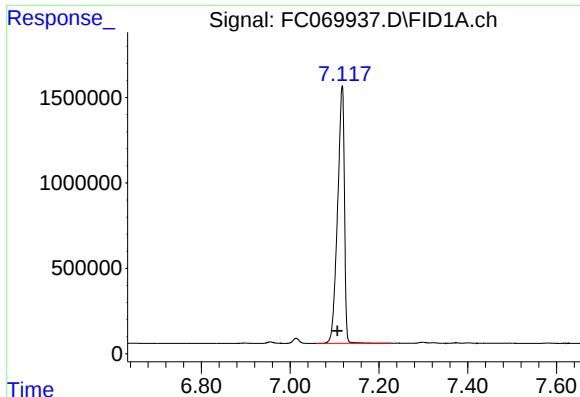
#3 A~Naphthalene (C11.7)

R.T.: 6.056 min
Delta R.T.: 0.008 min
Response: 16109041
Conc: 106.06 ug/ml



#4 n-Dodecane (C12)

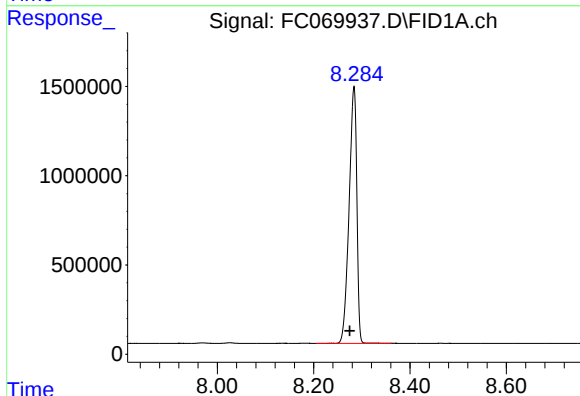
R.T.: 6.485 min
Delta R.T.: 0.008 min
Response: 15390045
Conc: 107.24 ug/ml



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

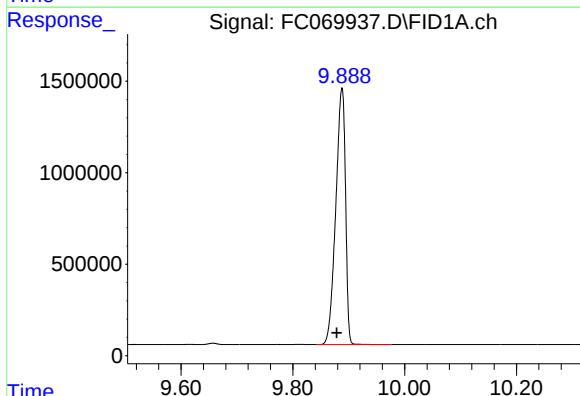
R.T.: 7.116 min
Delta R.T.: 0.010 min
Response: 16083838
Conc: 107.58 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



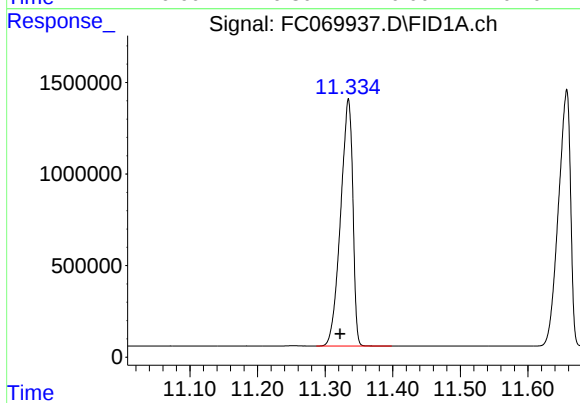
#6 n-Tetradecane (C14)

R.T.: 8.283 min
Delta R.T.: 0.008 min
Response: 16089121
Conc: 108.44 ug/ml



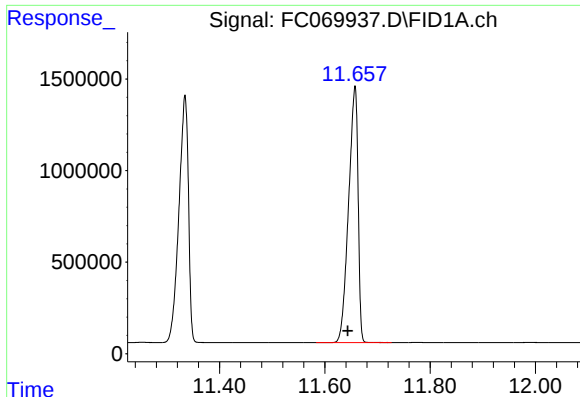
#7 n-Hexadecane (C16)

R.T.: 9.887 min
Delta R.T.: 0.009 min
Response: 16927423
Conc: 108.00 ug/ml



#8 n-Octadecane (C18)

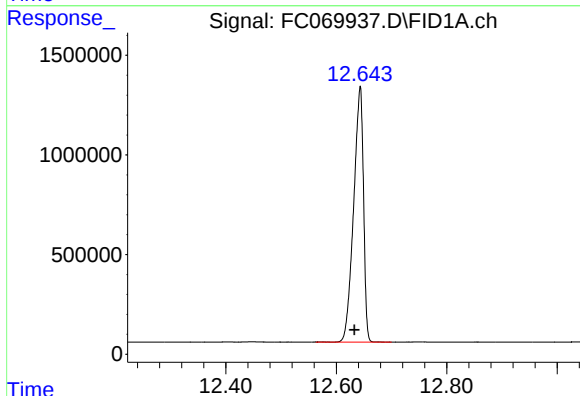
R.T.: 11.334 min
Delta R.T.: 0.012 min
Response: 16924222
Conc: 107.11 ug/ml



#9 ortho-Terphenyl (SURR)

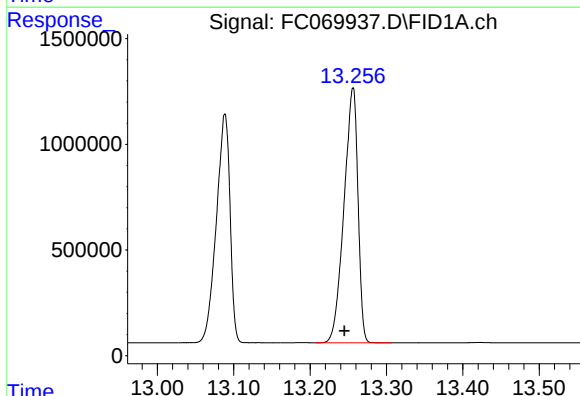
R.T.: 11.657 min
Delta R.T.: 0.013 min
Response: 17428523
Conc: 107.79 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



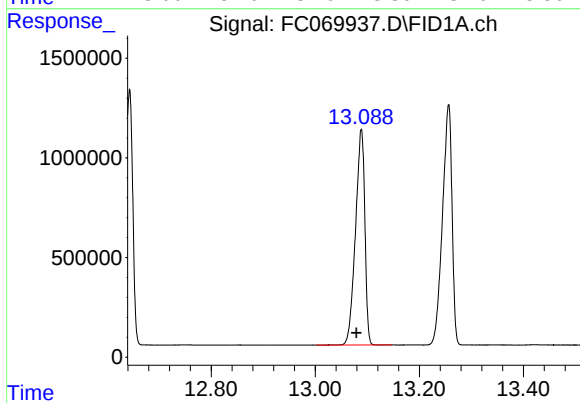
#10 n-Eicosane (C20)

R.T.: 12.643 min
Delta R.T.: 0.010 min
Response: 15851454
Conc: 107.24 ug/ml



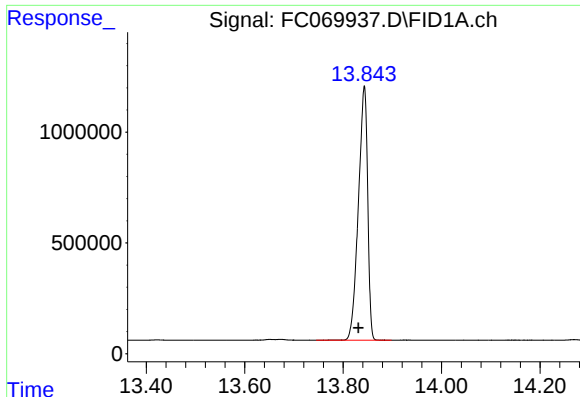
#11 n-Heneicosane (C21)

R.T.: 13.256 min
Delta R.T.: 0.011 min
Response: 15332641
Conc: 107.34 ug/ml



#12 1-chlorooctadecane (SURR)

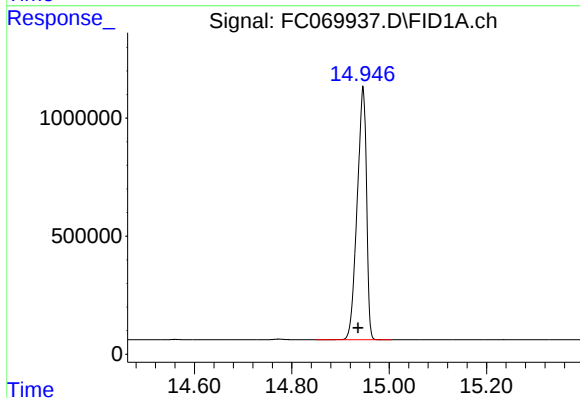
R.T.: 13.088 min
Delta R.T.: 0.009 min
Response: 13491128
Conc: 107.92 ug/ml



#13 n-Docosane (C22)

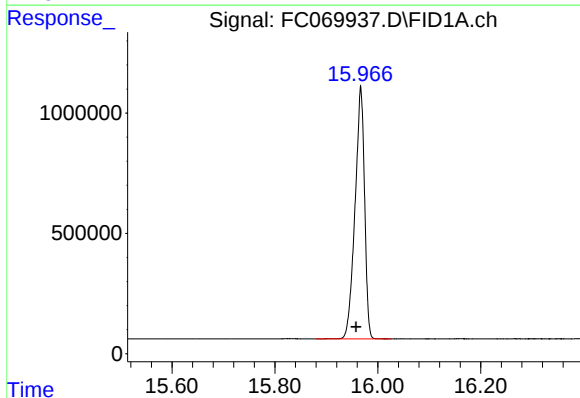
R.T.: 13.843 min
Delta R.T.: 0.012 min
Response: 14972967
Conc: 107.36 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



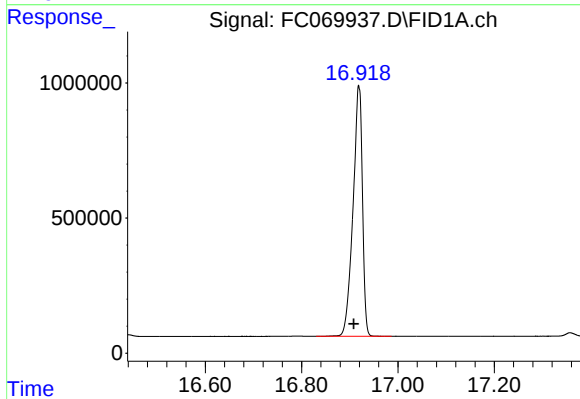
#14 n-Tetracosane (C24)

R.T.: 14.946 min
Delta R.T.: 0.010 min
Response: 14292557
Conc: 107.23 ug/ml



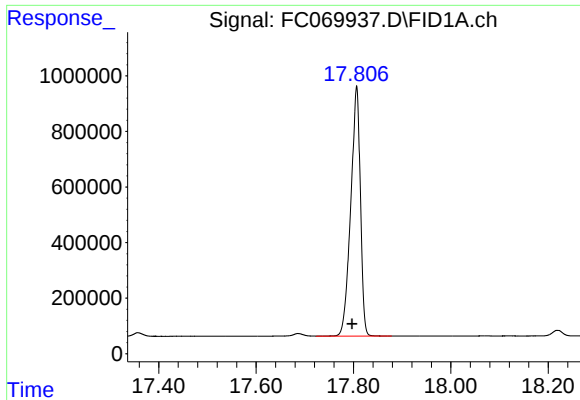
#15 n-Hexacosane (C26)

R.T.: 15.967 min
Delta R.T.: 0.009 min
Response: 13453877
Conc: 107.13 ug/ml



#16 n-Octacosane (C28)

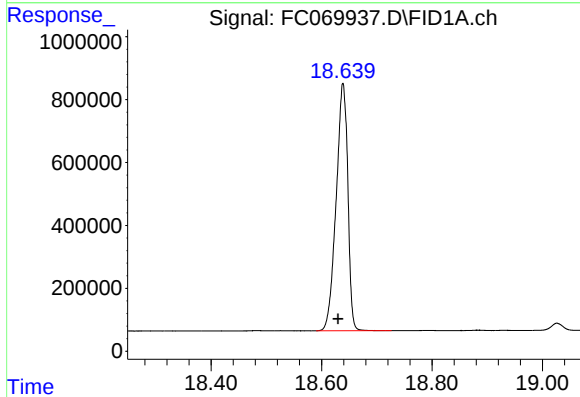
R.T.: 16.919 min
Delta R.T.: 0.011 min
Response: 12644771
Conc: 107.10 ug/ml



#17 n-Tricontane (C30)

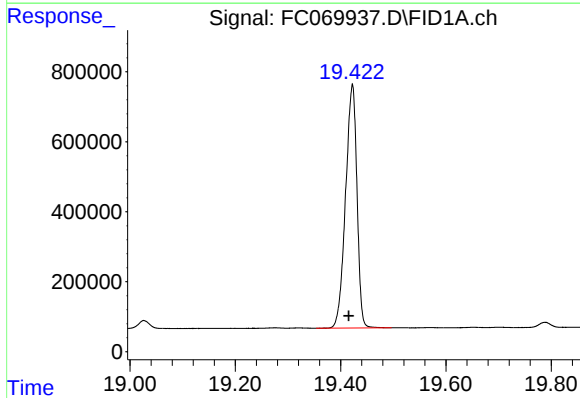
R.T.: 17.806 min
Delta R.T.: 0.009 min
Response: 12335576
Conc: 107.08 ug/ml

Instrument :
FID_E
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100 PPM ALIPHATIC HC STD1



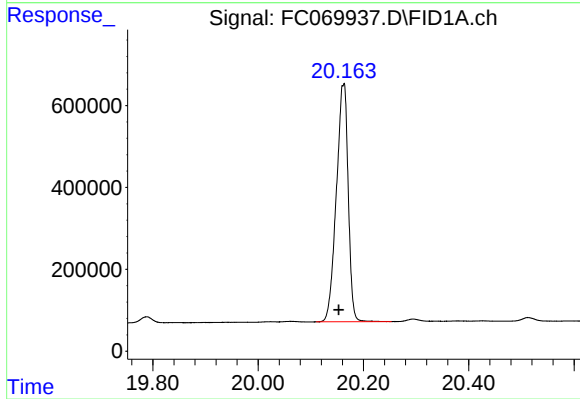
#18 n-Dotriacontane (C32)

R.T.: 18.639 min
Delta R.T.: 0.009 min
Response: 11541380
Conc: 106.98 ug/ml



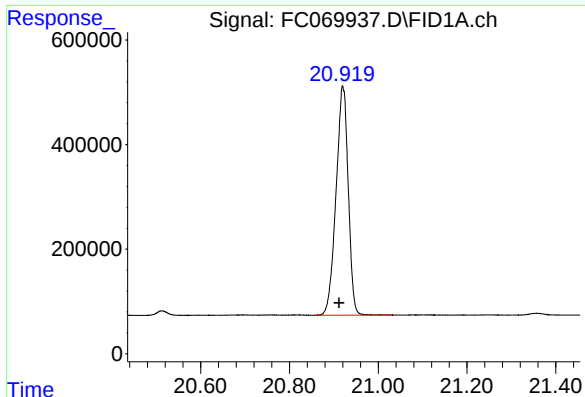
#19 n-Tetratriacontane (C34)

R.T.: 19.422 min
Delta R.T.: 0.007 min
Response: 10438103
Conc: 106.67 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.162 min
Delta R.T.: 0.008 min
Response: 9085745
Conc: 105.94 ug/ml



#21 n-Octatriacontane (C38)

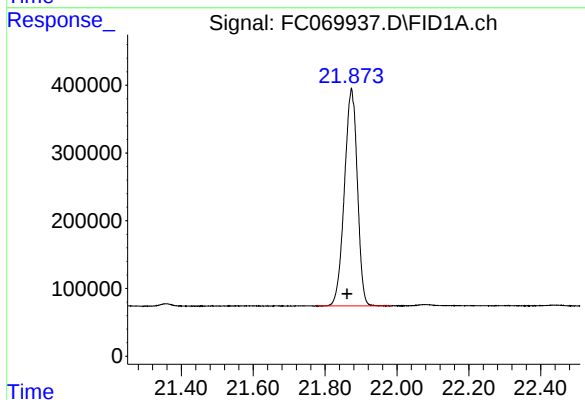
R.T.: 20.920 min
Delta R.T.: 0.009 min
Response: 8347689
Conc: 106.48 ug/ml

Instrument :

FID_E

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.873 min
Delta R.T.: 0.012 min
Response: 8014744
Conc: 106.65 ug/ml