

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112725AL\
 Data File : FE057079.D
 Signal(s) : FID1B.ch
 Acq On : 27 Nov 2025 12:17
 Operator : YP\AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
 Quant Time: Dec 01 07:58:04 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 01 07:57:16 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)	11.952	21912187	99.913 ug/ml
Spiked Amount 50.000		Recovery =	199.83%
12) S 1-chlorooctadecane (S...	13.387	16734087	100.123 ug/ml
Spiked Amount 50.000		Recovery =	200.25%
Target Compounds			
1) T n-Nonane (C9)	3.305	20032402	102.382 ug/ml
2) T n-Decane (C10)	4.559	20702539	101.808 ug/ml
3) T A~Naphthalene (C11.7)	6.274	22085713	107.616 ug/ml
4) T n-Dodecane (C12)	6.732	20870096	101.844 ug/ml
5) T A~2-methylnaphthalene...	7.375	21107253	109.140 ug/ml
6) T n-Tetradecane (C14)	8.566	20485583	101.338 ug/ml
7) T n-Hexadecane (C16)	10.179	20773156	100.830 ug/ml
8) T n-Octadecane (C18)	11.628	20604069	99.790 ug/ml
10) T n-Eicosane (C20)	12.940	19440685	99.216 ug/ml
11) T n-Heneicosane (C21)	13.554	18975135	99.058 ug/ml
13) T n-Docosane (C22)	14.142	18765832	99.250 ug/ml
14) T n-Tetracosane (C24)	15.248	18530924	98.759 ug/ml
15) T n-Hexacosane (C26)	16.272	18269735	98.195 ug/ml
16) T n-Octacosane (C28)	17.224	18058394	94.781 ug/ml
17) T n-Tricontane (C30)	18.115	18497733	88.764 ug/ml
18) T n-Dotriacontane (C32)	18.950	18131393	83.894 ug/ml
19) T n-Tetratriacontane (C34)	19.735	17264372	85.119 ug/ml
20) T n-Hexatriacontane (C36)	20.476	15948521	88.913 ug/ml
21) T n-Octatriacontane (C38)	21.226	15667436	92.925 ug/ml
22) T n-Tetracontane (C40)	22.161	15772065	95.922 ug/ml

(f)=RT Delta > 1/2 Window

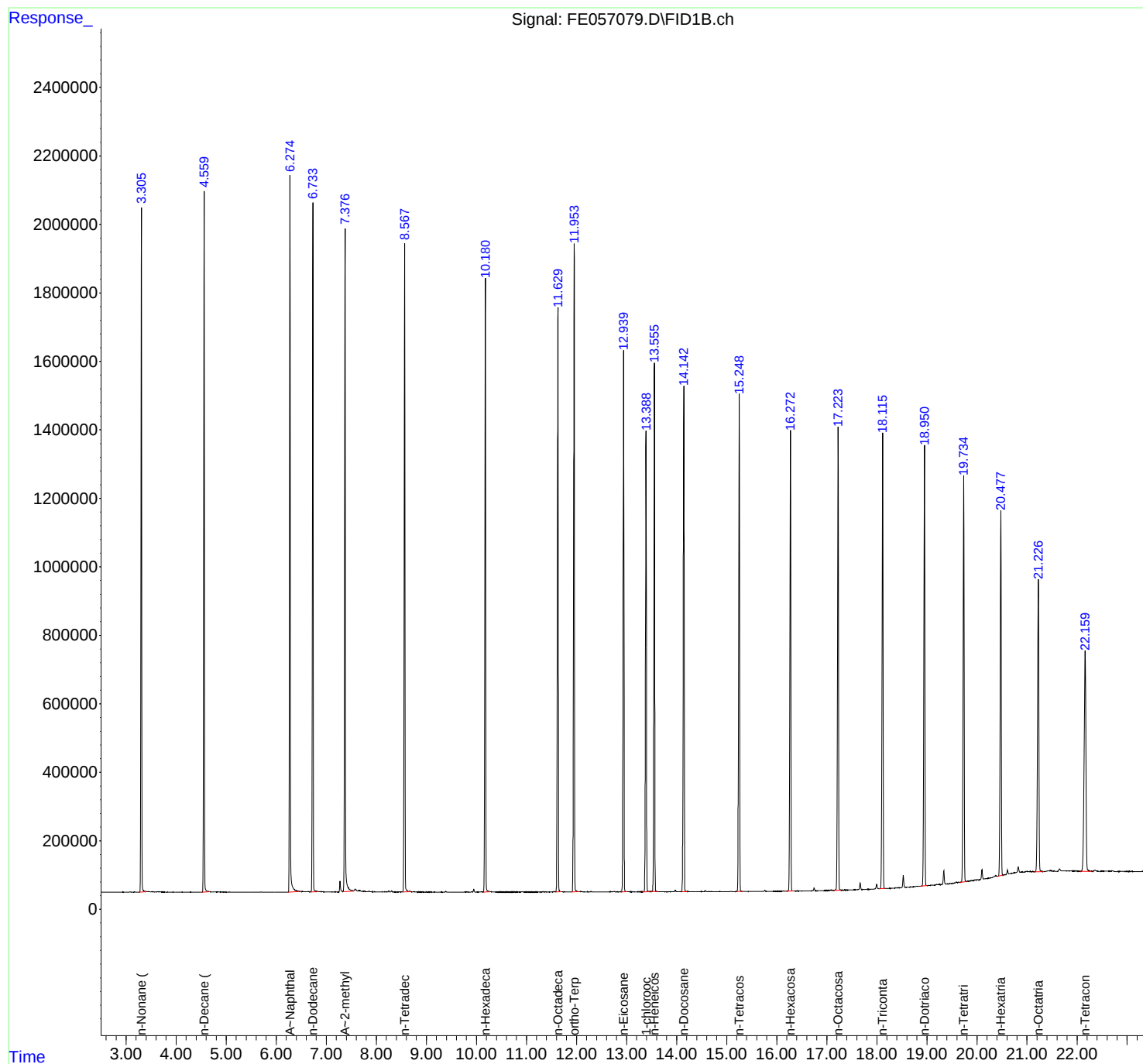
(m)=manual int.

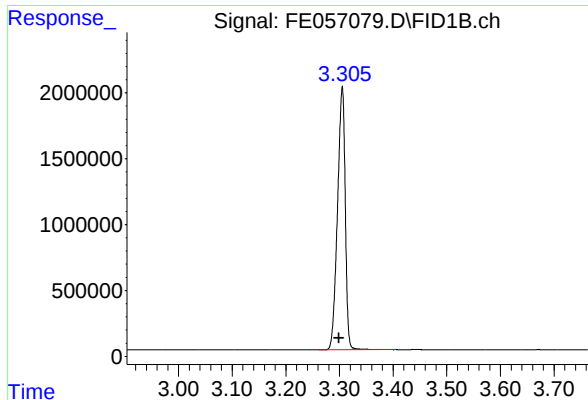
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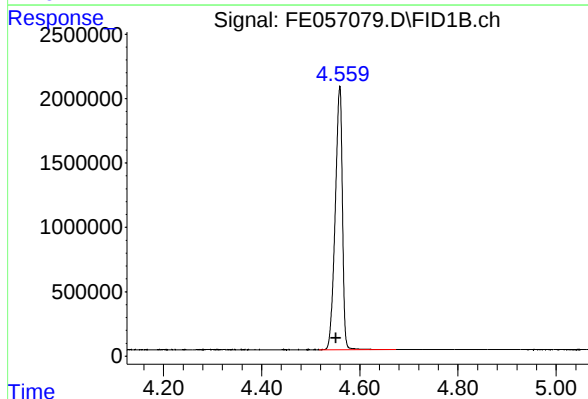




#1 n-Nonane (C9)

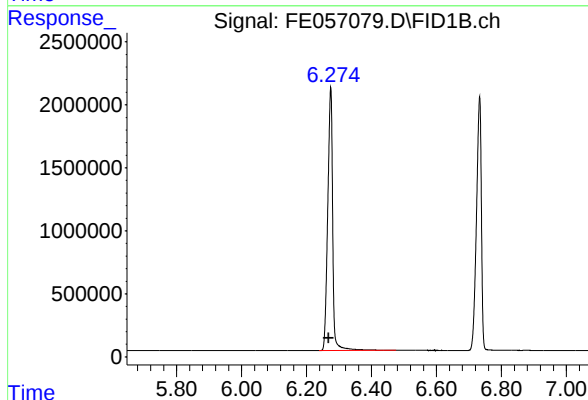
R.T.: 3.305 min
Delta R.T.: 0.006 min
Response: 20032402
Conc: 102.38 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



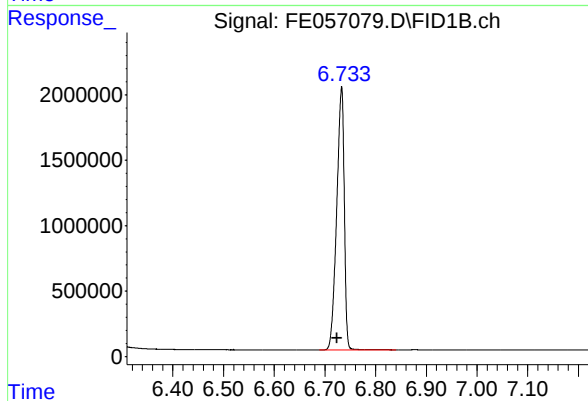
#2 n-Decane (C10)

R.T.: 4.559 min
Delta R.T.: 0.007 min
Response: 20702539
Conc: 101.81 ug/ml



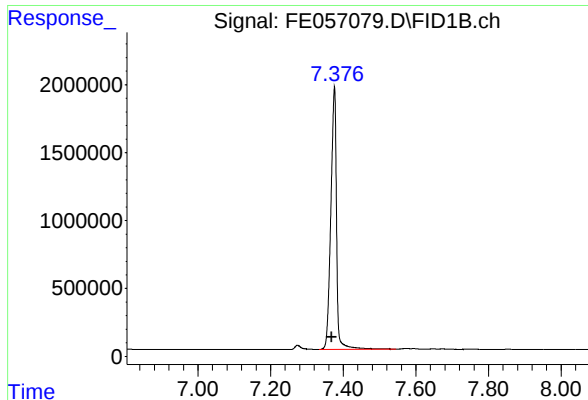
#3 A~Naphthalene (C11.7)

R.T.: 6.274 min
Delta R.T.: 0.006 min
Response: 22085713
Conc: 107.62 ug/ml



#4 n-Dodecane (C12)

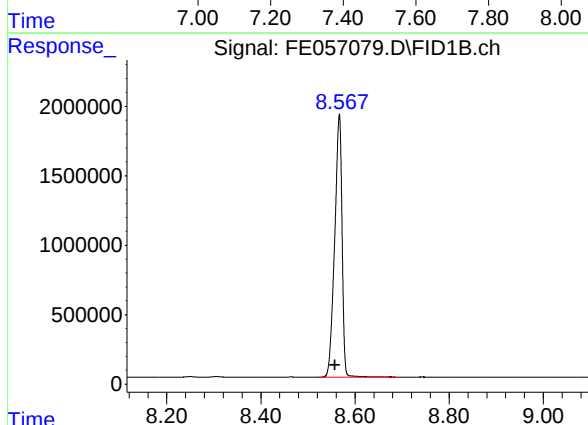
R.T.: 6.732 min
Delta R.T.: 0.008 min
Response: 20870096
Conc: 101.84 ug/ml



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

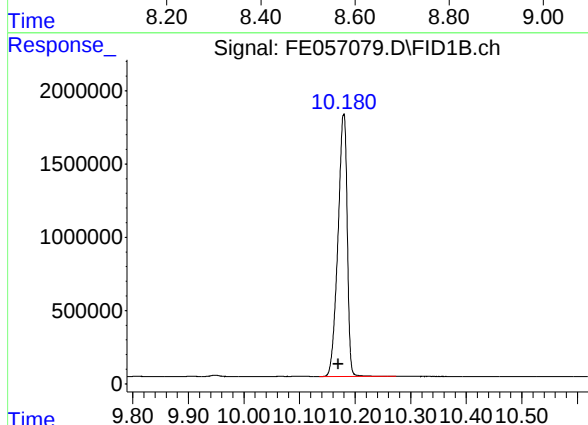
R.T.: 7.375 min
Delta R.T.: 0.008 min
Response: 21107253
Conc: 109.14 ug/ml

Instrument :
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100 PPM ALIPHATIC HC STD1



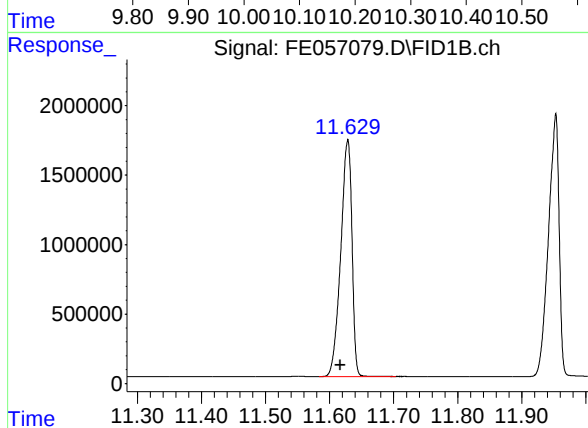
#6 n-Tetradecane (C14)

R.T.: 8.566 min
Delta R.T.: 0.009 min
Response: 20485583
Conc: 101.34 ug/ml



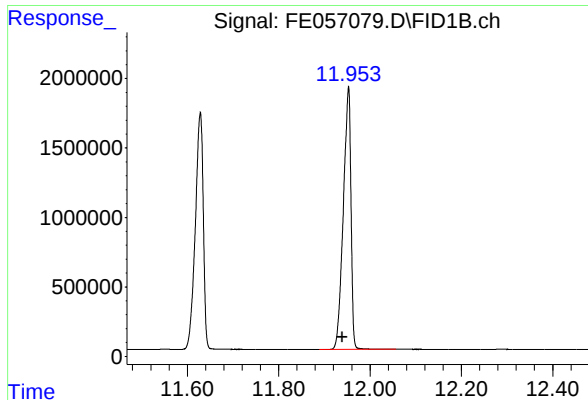
#7 n-Hexadecane (C16)

R.T.: 10.179 min
Delta R.T.: 0.009 min
Response: 20773156
Conc: 100.83 ug/ml



#8 n-Octadecane (C18)

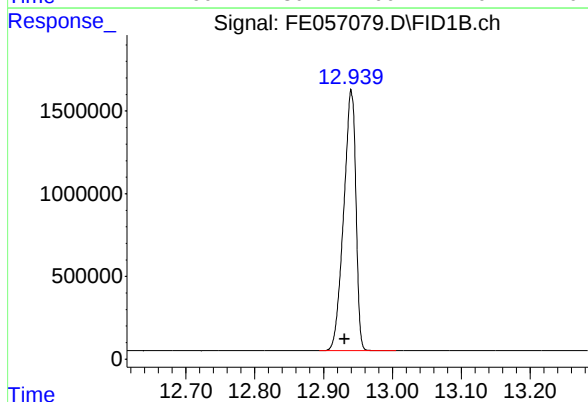
R.T.: 11.628 min
Delta R.T.: 0.011 min
Response: 20604069
Conc: 99.79 ug/ml



#9 ortho-Terphenyl (SURR)

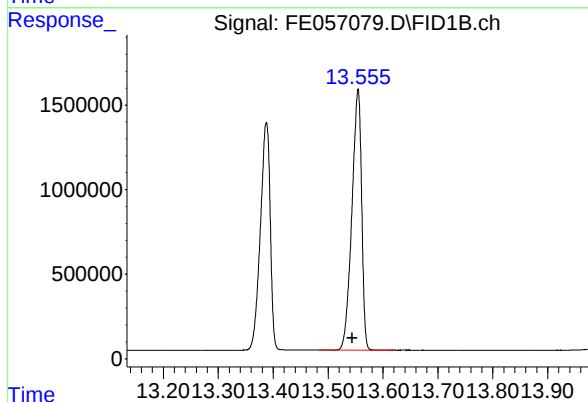
R.T.: 11.952 min
Delta R.T.: 0.012 min
Response: 21912187
Conc: 99.91 ug/ml

Instrument :
FID_E
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100 PPM ALIPHATIC HC STD1



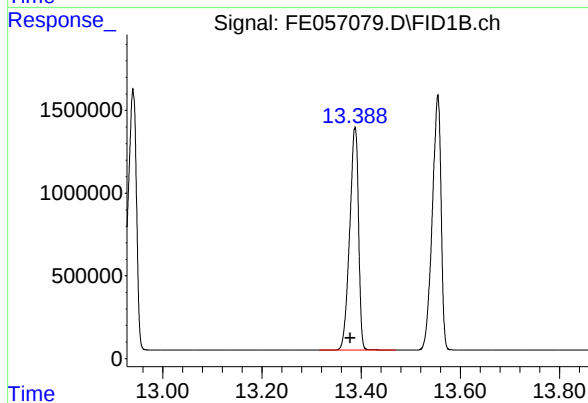
#10 n-Eicosane (C20)

R.T.: 12.940 min
Delta R.T.: 0.009 min
Response: 19440685
Conc: 99.22 ug/ml



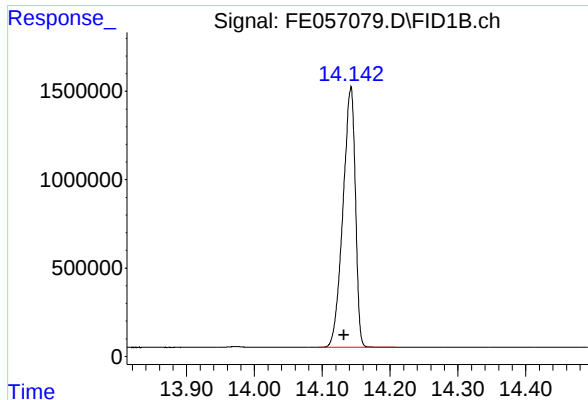
#11 n-Heneicosane (C21)

R.T.: 13.554 min
Delta R.T.: 0.010 min
Response: 18975135
Conc: 99.06 ug/ml



#12 1-chlorooctadecane (SURR)

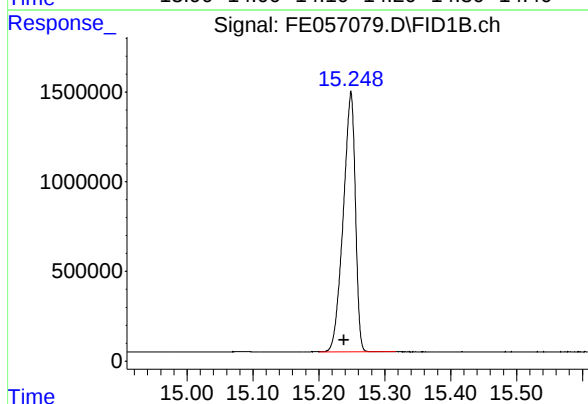
R.T.: 13.387 min
Delta R.T.: 0.009 min
Response: 16734087
Conc: 100.12 ug/ml



#13 n-Docosane (C22)

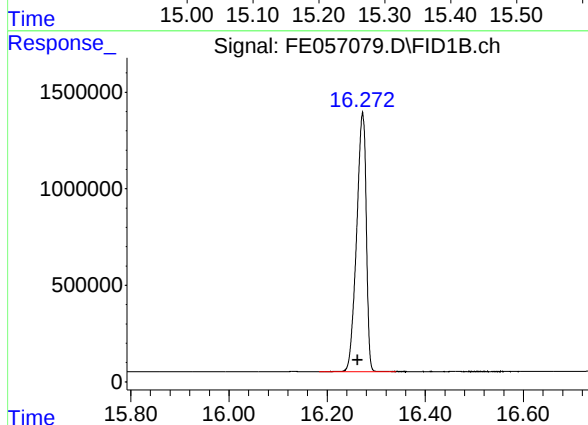
R.T.: 14.142 min
Delta R.T.: 0.009 min
Response: 18765832
Conc: 99.25 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



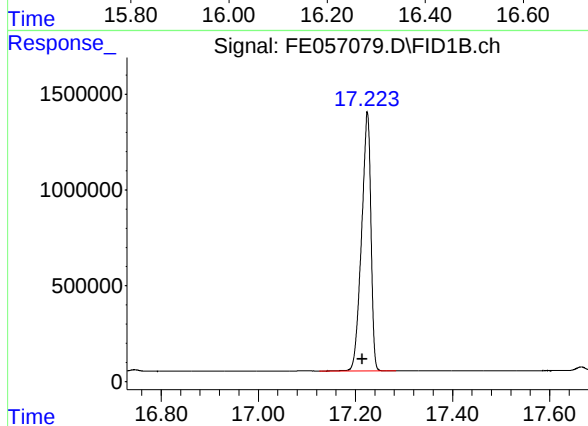
#14 n-Tetracosane (C24)

R.T.: 15.248 min
Delta R.T.: 0.010 min
Response: 18530924
Conc: 98.76 ug/ml



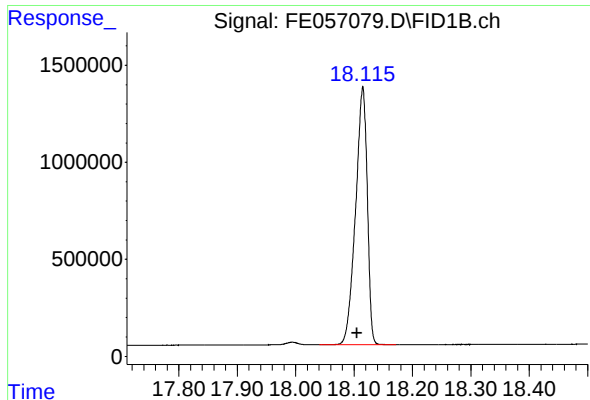
#15 n-Hexacosane (C26)

R.T.: 16.272 min
Delta R.T.: 0.010 min
Response: 18269735
Conc: 98.20 ug/ml



#16 n-Octacosane (C28)

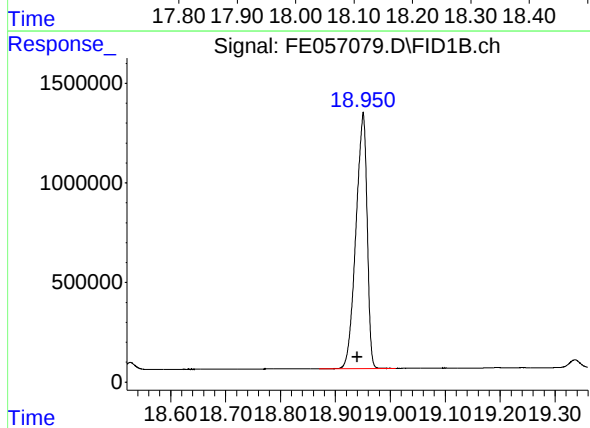
R.T.: 17.224 min
Delta R.T.: 0.010 min
Response: 18058394
Conc: 94.78 ug/ml



#17 n-Tricontane (C30)

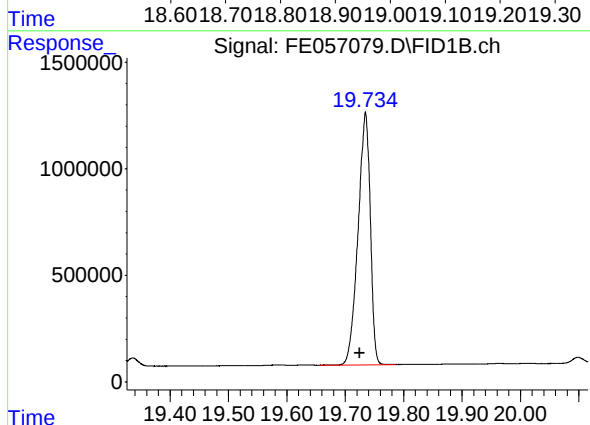
R.T.: 18.115 min
Delta R.T.: 0.010 min
Response: 18497733
Conc: 88.76 ug/ml

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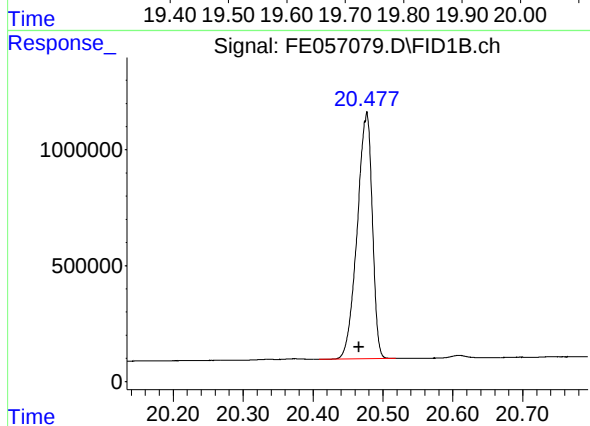
#18 n-Dotriacontane (C32)

R.T.: 18.950 min
Delta R.T.: 0.011 min
Response: 18131393
Conc: 83.89 ug/ml



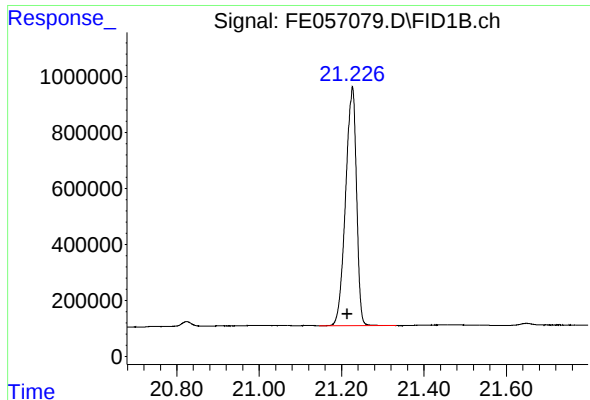
#19 n-Tetratriacontane (C34)

R.T.: 19.735 min
Delta R.T.: 0.010 min
Response: 17264372
Conc: 85.12 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.476 min
Delta R.T.: 0.010 min
Response: 15948521
Conc: 88.91 ug/ml



#21 n-Octatriacontane (C38)

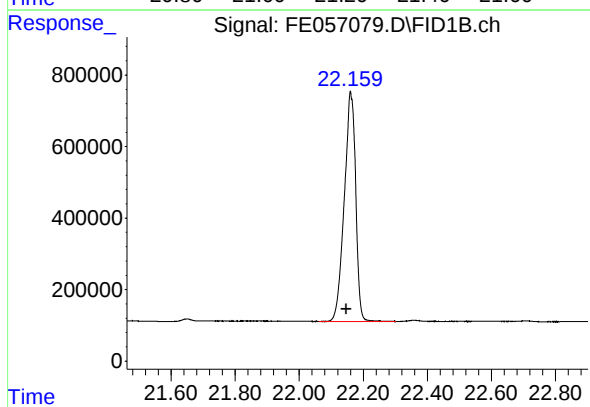
R.T.: 21.226 min
Delta R.T.: 0.012 min
Response: 15667436
Conc: 92.93 ug/ml

Instrument :

FID_E

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 22.161 min
Delta R.T.: 0.014 min
Response: 15772065
Conc: 95.92 ug/ml