

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081023AL\
 Data File : FE043868.D
 Signal(s) : FID1B.ch
 Acq On : 11 Aug 2023 00:24
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/11/2023
 Supervised By :Ankita Jodhani 08/11/2023

Integration File: autoint1.e
 Quant Time: Aug 11 03:15:37 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080323.M
 Quant Title : GC Extractables
 QLast Update : Wed Aug 02 09:56:52 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)	11.948	4259224	20.668 ug/ml
Spiked Amount 50.000		Recovery =	41.34%
12) S 1-chlorooctadecane (S...	13.386	3172909	20.333 ug/ml
Spiked Amount 50.000		Recovery =	40.67%
Target Compounds			
1) T n-Nonane (C9)	3.330	3582981	22.188 ug/ml
2) T n-Decane (C10)	4.583	3740052	22.692 ug/ml
3) T A~Naphthalene (C11.7)	6.284	4102704	22.534 ug/ml
4) T n-Dodecane (C12)	6.747	3813546	22.786 ug/ml
5) T A~2-methylnaphthalene...	7.380	3990277	22.414 ug/ml
6) T n-Tetradecane (C14)	8.575	3792448	22.509 ug/ml
7) T n-Hexadecane (C16)	10.184	3886067	22.030 ug/ml
8) T n-Octadecane (C18)	11.630	3882193	21.431 ug/ml
10) T n-Eicosane (C20)	12.942	3679943	20.794 ug/ml
11) T n-Heneicosane (C21)	13.554	3585413	20.249 ug/ml
13) T n-Docosane (C22)	14.141	3557180	20.280 ug/ml
14) T n-Tetracosane (C24)	15.245	3457581	19.679 ug/ml
15) T n-Hexacosane (C26)	16.268	3342298	19.338 ug/ml
16) T n-Octacosane (C28)	17.220	3221344	19.253 ug/ml
17) T n-Tricontane (C30)	18.108	3234033	19.526 ug/ml
18) T n-Dotriacontane (C32)	18.943	3182745	20.158 ug/ml
19) T n-Tetratriacontane (C34)	19.727	3193658	21.492 ug/mlm
20) T n-Hexatriacontane (C36)	20.471	3221252	23.045 ug/ml
21) T n-Octatriacontane (C38)	21.217	3101524	23.249 ug/ml
22) T n-Tetracontane (C40)	22.147	3081427	23.882 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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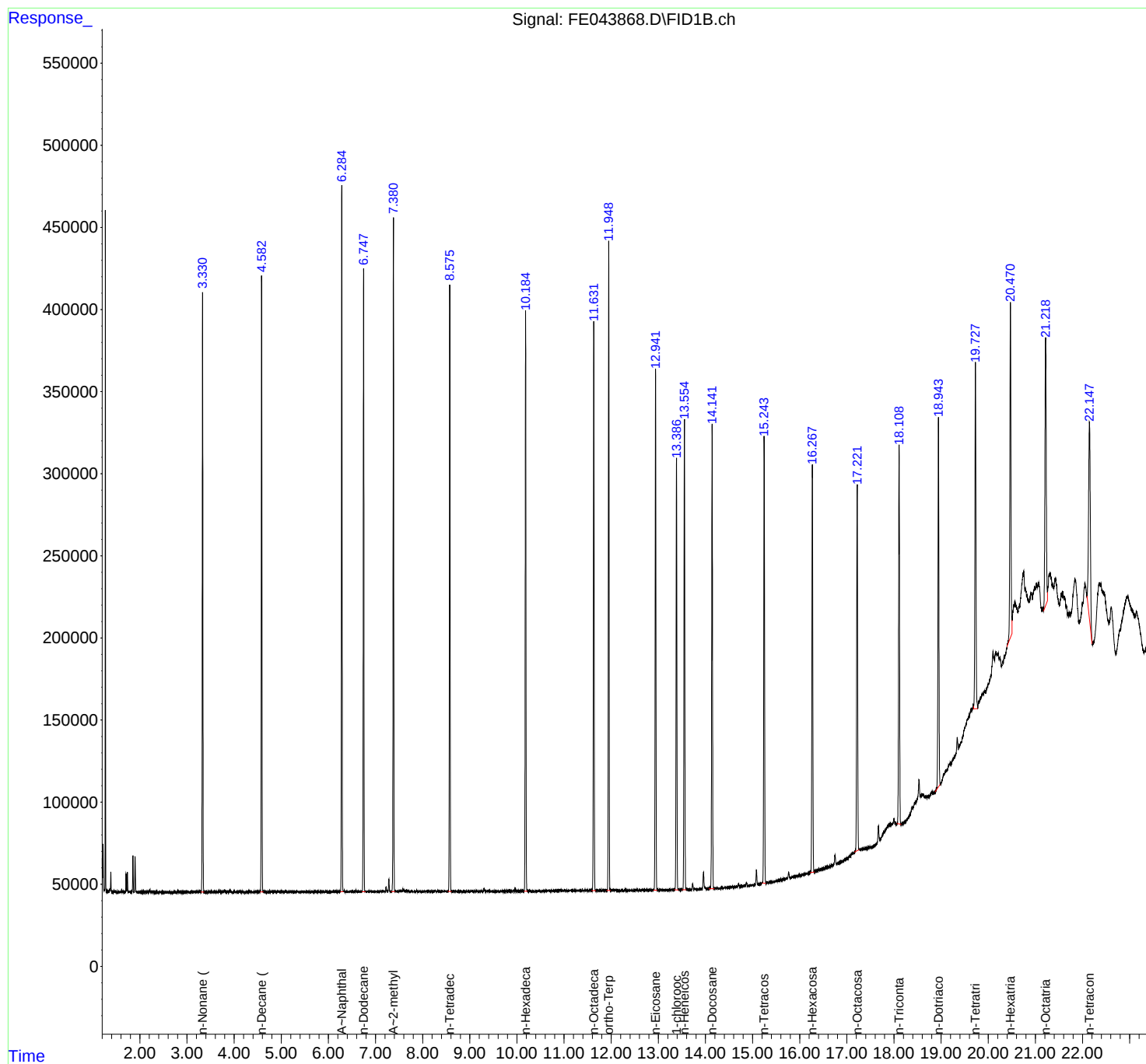
Instrument :
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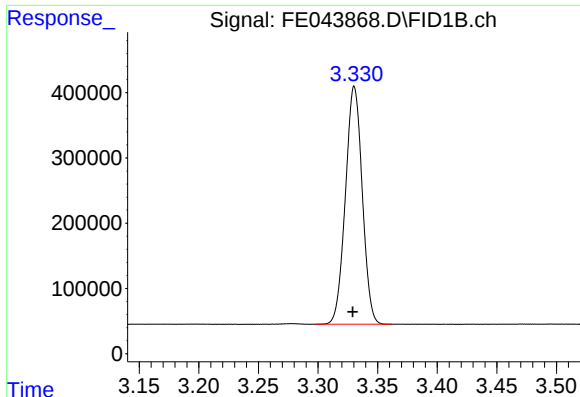
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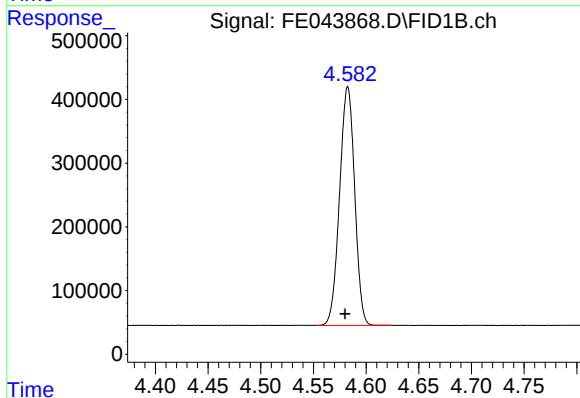
#1 n-Nonane (C9)

R.T.: 3.330 min
Delta R.T.: 0.001 min
Response: 3582981
Conc: 22.19 ug/ml

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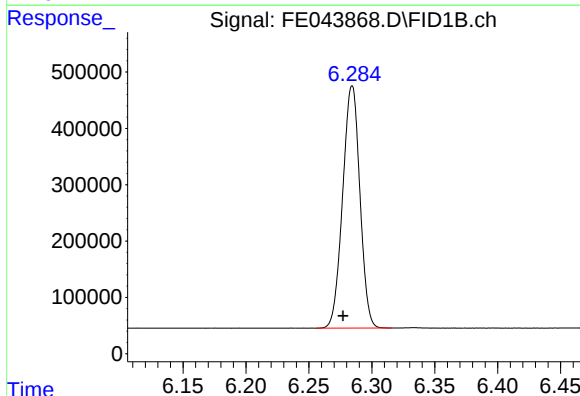
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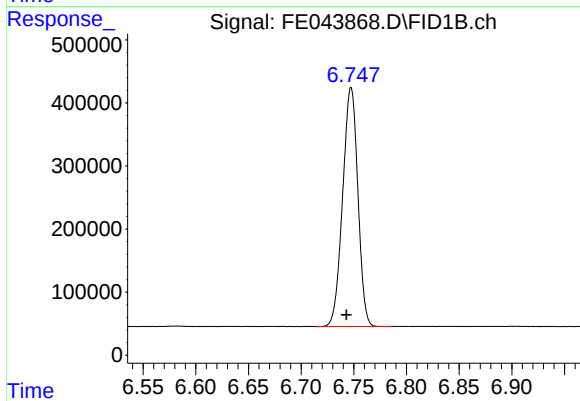
#2 n-Decane (C10)

R.T.: 4.583 min
Delta R.T.: 0.003 min
Response: 3740052
Conc: 22.69 ug/ml



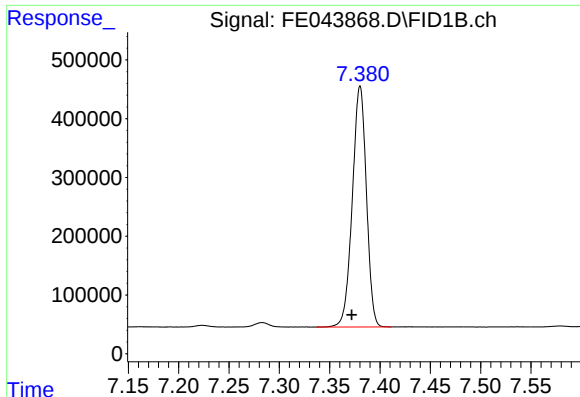
#3 A~Naphthalene (C11.7)

R.T.: 6.284 min
Delta R.T.: 0.007 min
Response: 4102704
Conc: 22.53 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.747 min
Delta R.T.: 0.004 min
Response: 3813546
Conc: 22.79 ug/ml



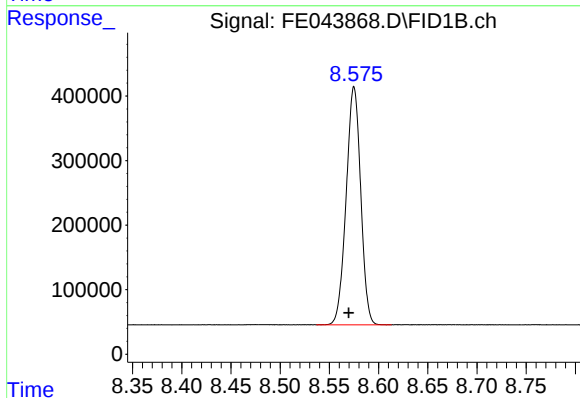
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.380 min
Delta R.T.: 0.008 min
Response: 3990277
Conc: 22.41 ug/ml

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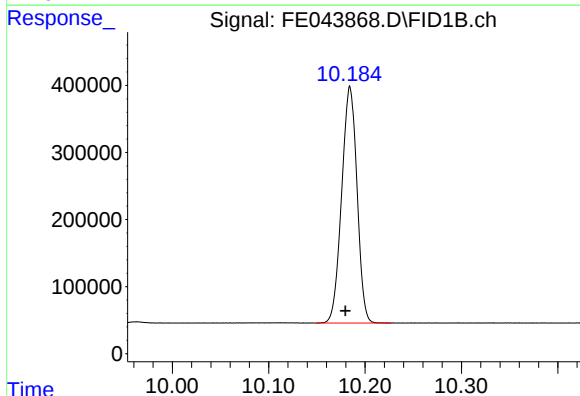
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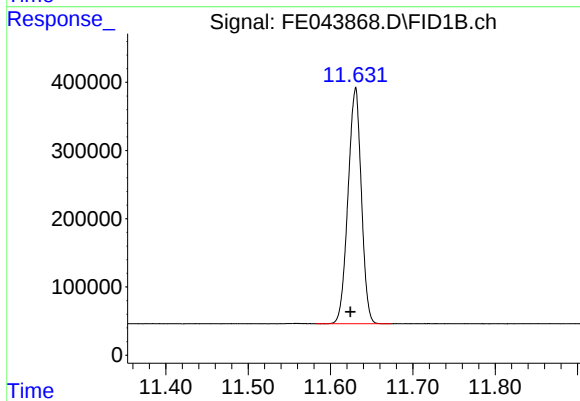
#6 n-Tetradecane (C14)

R.T.: 8.575 min
Delta R.T.: 0.005 min
Response: 3792448
Conc: 22.51 ug/ml



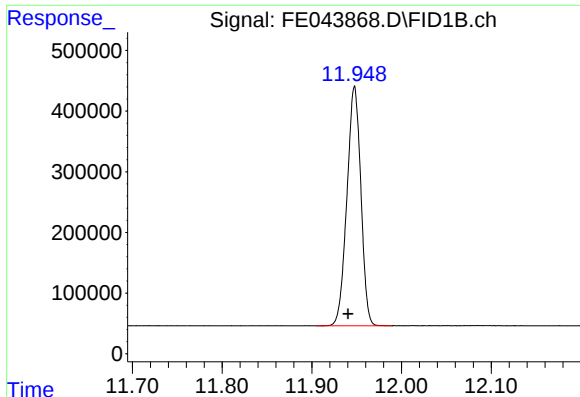
#7 n-Hexadecane (C16)

R.T.: 10.184 min
Delta R.T.: 0.005 min
Response: 3886067
Conc: 22.03 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.630 min
Delta R.T.: 0.006 min
Response: 3882193
Conc: 21.43 ug/ml



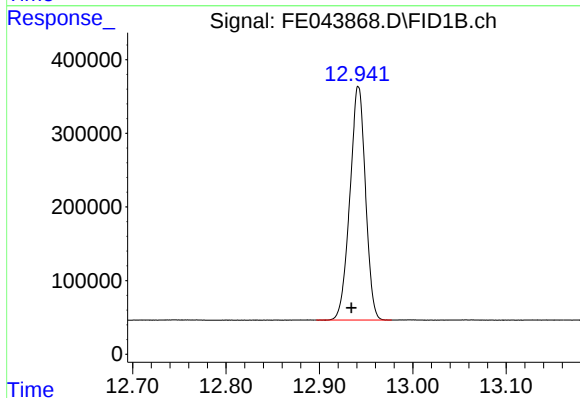
#9 ortho-Terphenyl (SURR)

R.T.: 11.948 min
Delta R.T.: 0.007 min
Response: 4259224
Conc: 20.67 ug/ml

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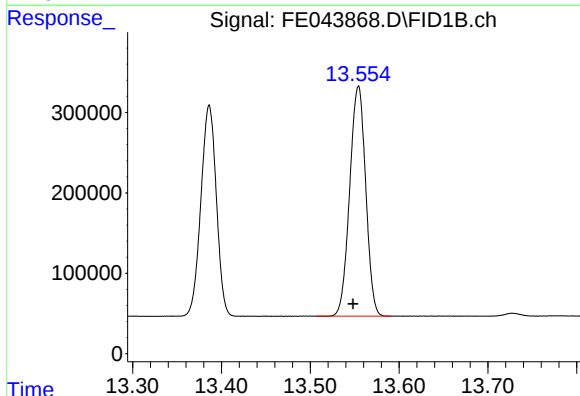
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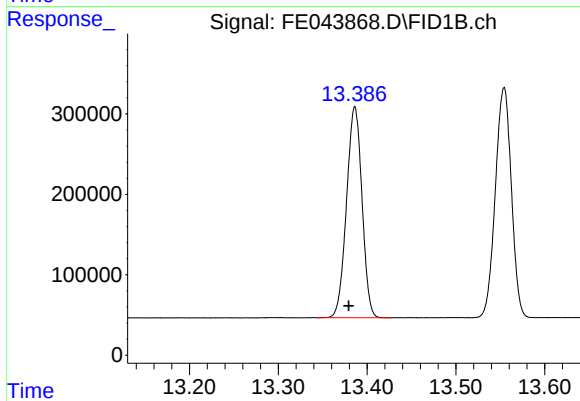
#10 n-Eicosane (C20)

R.T.: 12.942 min
Delta R.T.: 0.008 min
Response: 3679943
Conc: 20.79 ug/ml



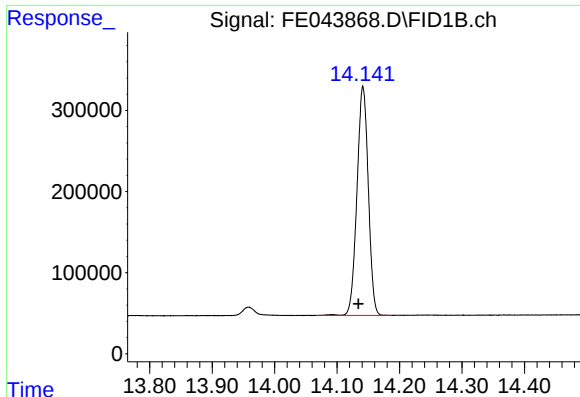
#11 n-Heneicosane (C21)

R.T.: 13.554 min
Delta R.T.: 0.006 min
Response: 3585413
Conc: 20.25 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.386 min
Delta R.T.: 0.007 min
Response: 3172909
Conc: 20.33 ug/ml



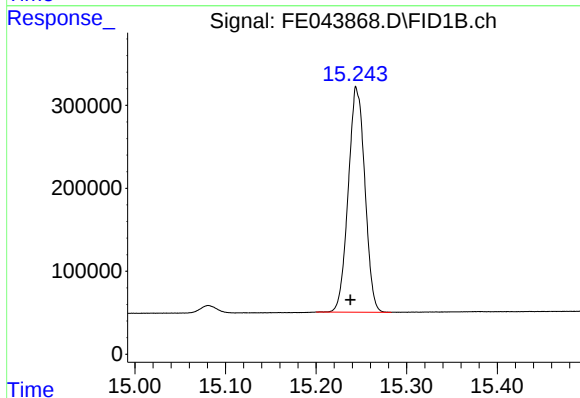
#13 n-Docosane (C22)

R.T.: 14.141 min
Delta R.T.: 0.007 min
Response: 3557180
Conc: 20.28 ug/ml

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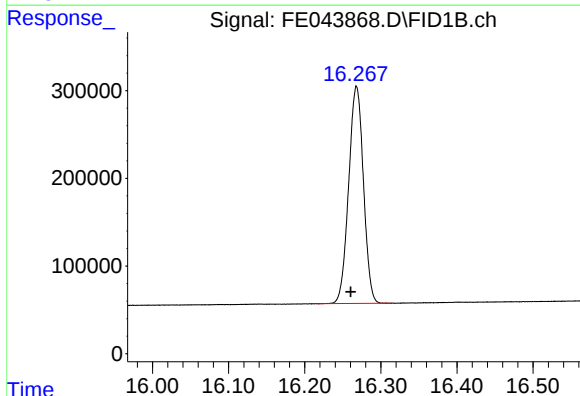
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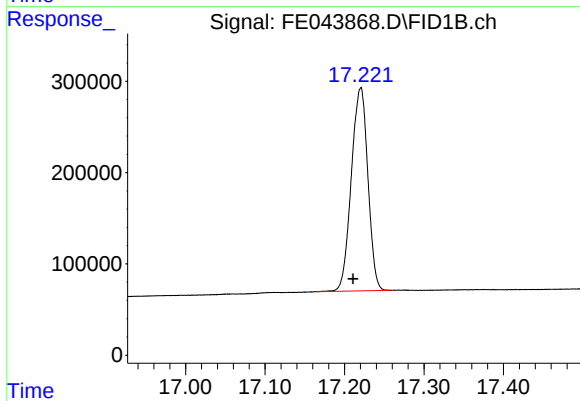
#14 n-Tetracosane (C24)

R.T.: 15.245 min
Delta R.T.: 0.007 min
Response: 3457581
Conc: 19.68 ug/ml



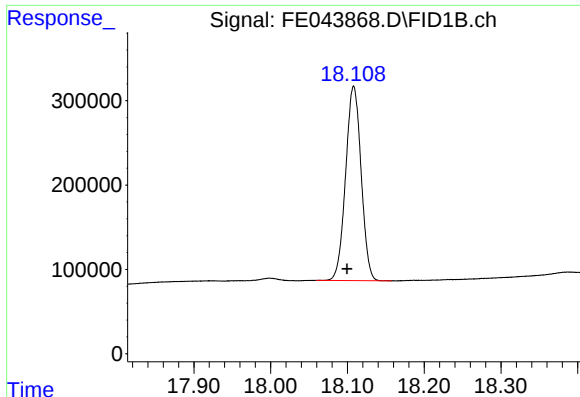
#15 n-Hexacosane (C26)

R.T.: 16.268 min
Delta R.T.: 0.008 min
Response: 3342298
Conc: 19.34 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.220 min
Delta R.T.: 0.010 min
Response: 3221344
Conc: 19.25 ug/ml



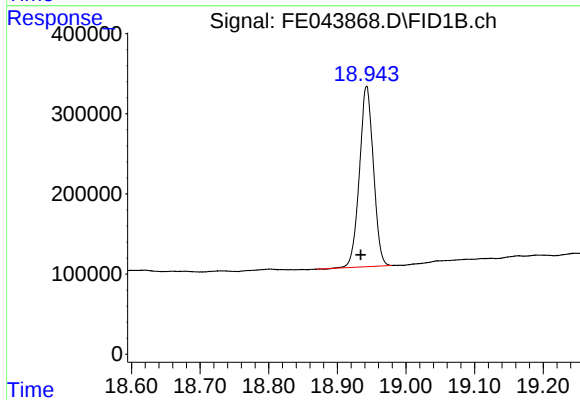
#17 n-Tricontane (C30)

R.T.: 18.108 min
Delta R.T.: 0.008 min
Response: 3234033
Conc: 19.53 ug/ml

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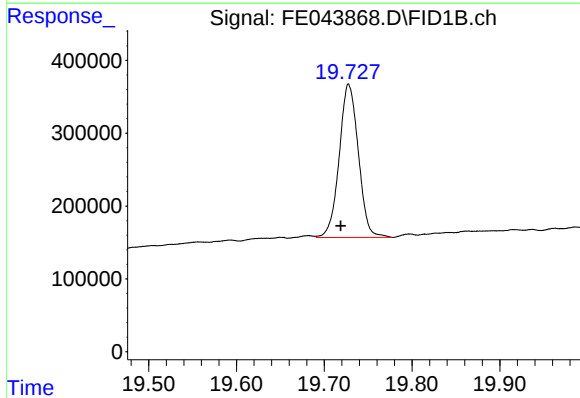
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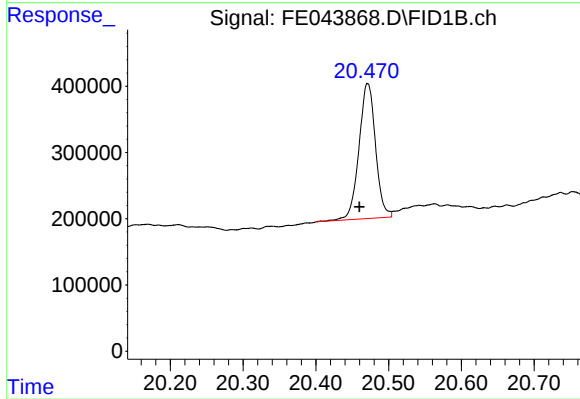
#18 n-Dotriacontane (C32)

R.T.: 18.943 min
Delta R.T.: 0.009 min
Response: 3182745
Conc: 20.16 ug/ml



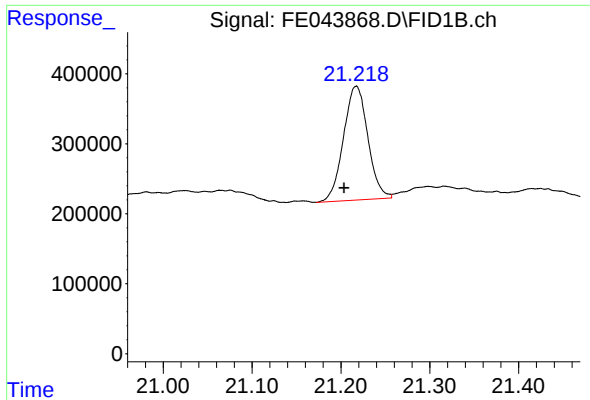
#19 n-Tetratriacontane (C34)

R.T.: 19.727 min
Delta R.T.: 0.008 min
Response: 3193658
Conc: 21.49 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.471 min
Delta R.T.: 0.011 min
Response: 3221252
Conc: 23.05 ug/ml



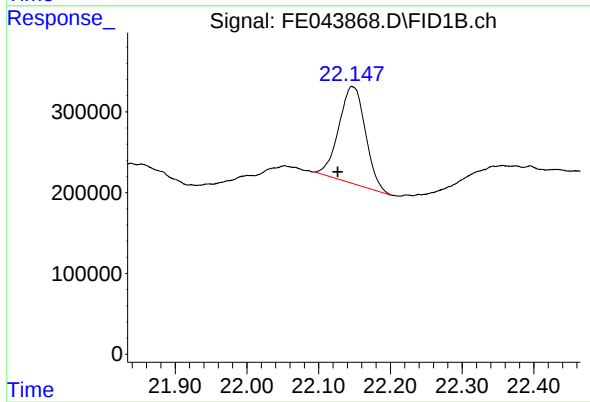
#21 n-Octatriacontane (C38)

R.T.: 21.217 min
Delta R.T.: 0.014 min
Response: 3101524
Conc: 23.25 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.147 min
Delta R.T.: 0.020 min
Response: 3081427
Conc: 23.88 ug/ml m