

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110923AL\
 Data File : FE045263.D
 Signal(s) : FID1B.ch
 Acq On : 09 Nov 2023 22:56
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/10/2023
 Supervised By :Ankita Jodhani 11/10/2023

Integration File: sample.E
 Quant Time: Nov 10 00:34:42 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110423.M
 Quant Title : GC Extractables
 QLast Update : Sat Nov 04 05:16:05 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)	11.881	3524435	18.460 ug/ml
Spiked Amount 50.000		Recovery =	36.92%
12) S 1-chlorooctadecane (S...	13.323	2520522	18.299 ug/ml
Spiked Amount 50.000		Recovery =	36.60%
Target Compounds			
1) T n-Nonane (C9)	3.268	3104689	18.794 ug/ml
2) T n-Decane (C10)	4.519	3181054	18.971 ug/ml
3) T A~Naphthalene (C11.7)	6.219	3351956	18.779 ug/ml
4) T n-Dodecane (C12)	6.685	3191097	18.895 ug/ml
5) T A~2-methylnaphthalene...	7.314	3202048	18.647 ug/ml
6) T n-Tetradecane (C14)	8.511	3098767	18.593 ug/ml
7) T n-Hexadecane (C16)	10.121	3109319	18.486 ug/ml
8) T n-Octadecane (C18)	11.567	3066592	18.322 ug/ml
10) T n-Eicosane (C20)	12.878	2902651	18.324 ug/ml
11) T n-Heneicosane (C21)	13.490	2815550	18.312 ug/ml
13) T n-Docosane (C22)	14.078	2779262	18.343 ug/ml
14) T n-Tetracosane (C24)	15.183	2778568	18.760 ug/ml
15) T n-Hexacosane (C26)	16.206	2742505	18.816 ug/ml
16) T n-Octacosane (C28)	17.158	2786632	19.070 ug/ml
17) T n-Tricontane (C30)	18.048	2933873	19.315 ug/ml
18) T n-Dotriacontane (C32)	18.883	3385222	21.669 ug/ml
19) T n-Tetratriacontane (C34)	19.667	3032912	19.425 ug/ml
20) T n-Hexatriacontane (C36)	20.410	3100481	19.101 ug/ml
21) T n-Octatriacontane (C38)	21.146	3096600	18.638 ug/ml
22) T n-Tetracontane (C40)	22.055	3161675	18.510 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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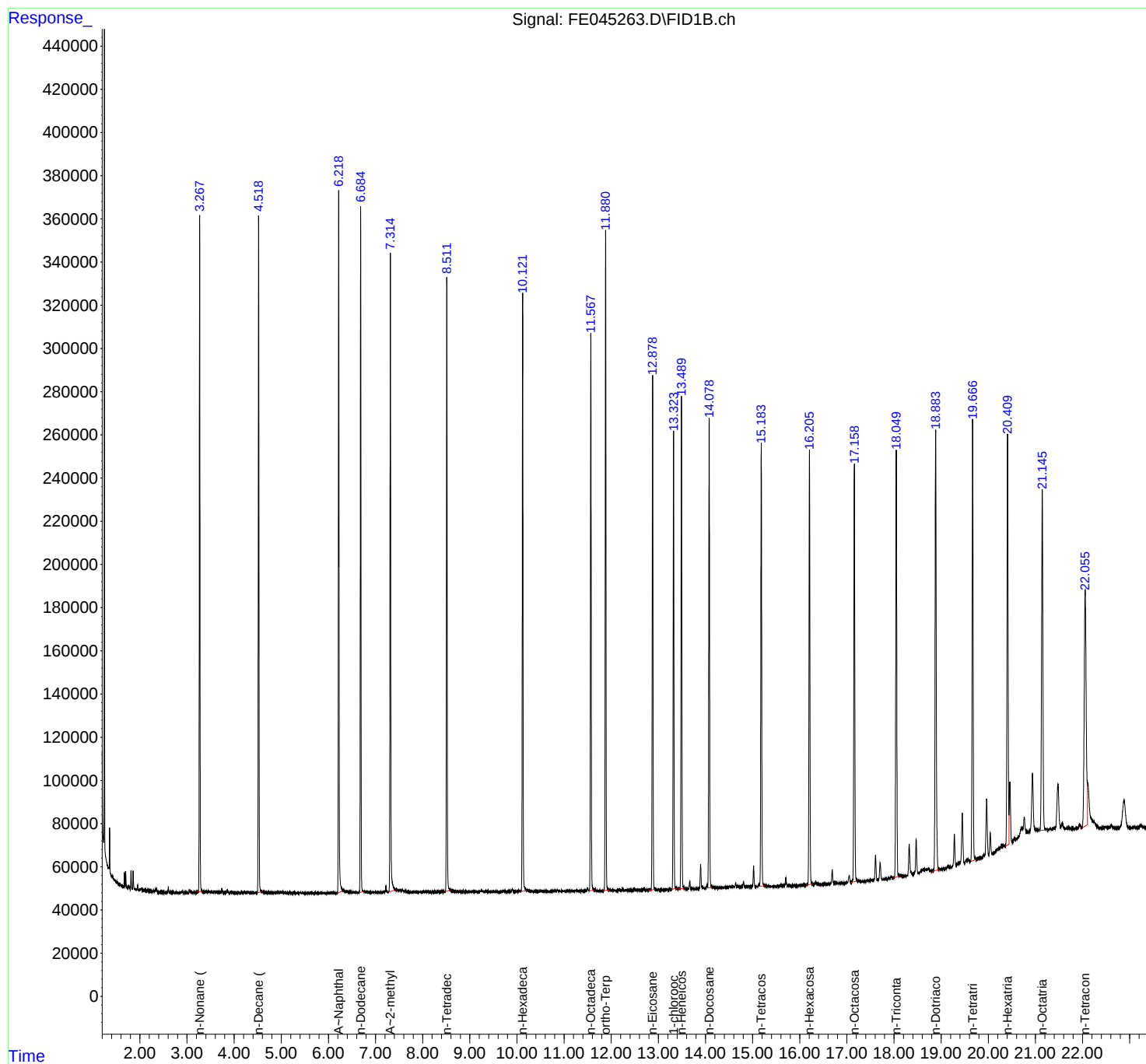
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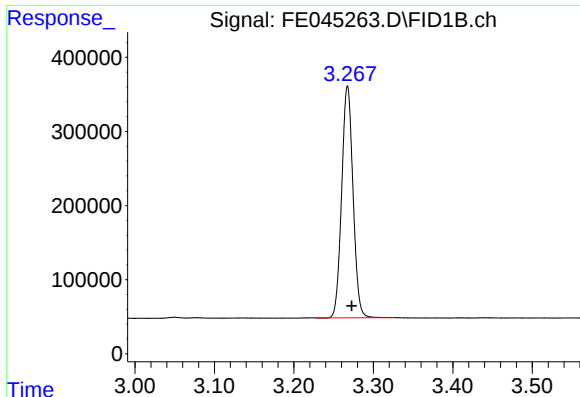
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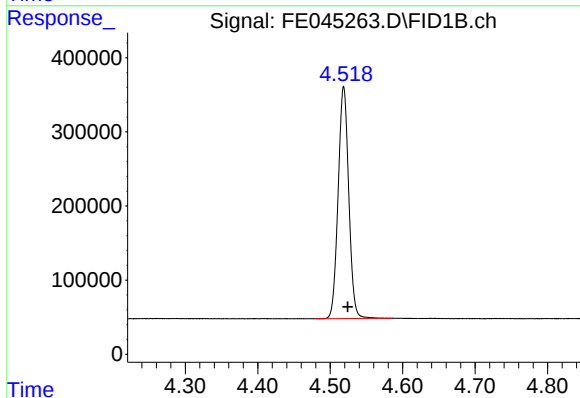
#1 n-Nonane (C9)

R.T.: 3.268 min
Delta R.T.: -0.005 min
Response: 3104689
Conc: 18.79 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

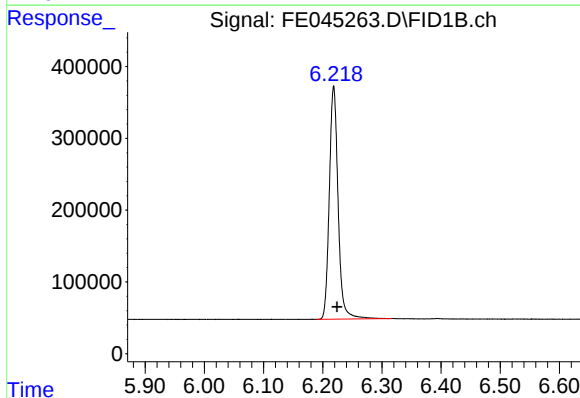
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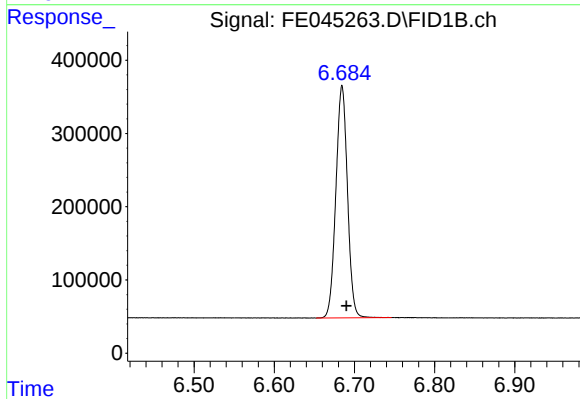
#2 n-Decane (C10)

R.T.: 4.519 min
Delta R.T.: -0.006 min
Response: 3181054
Conc: 18.97 ug/ml



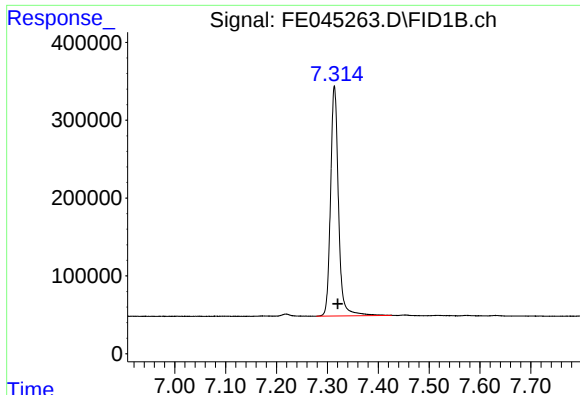
#3 A~Naphthalene (C11.7)

R.T.: 6.219 min
Delta R.T.: -0.006 min
Response: 3351956
Conc: 18.78 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.685 min
Delta R.T.: -0.006 min
Response: 3191097
Conc: 18.90 ug/ml



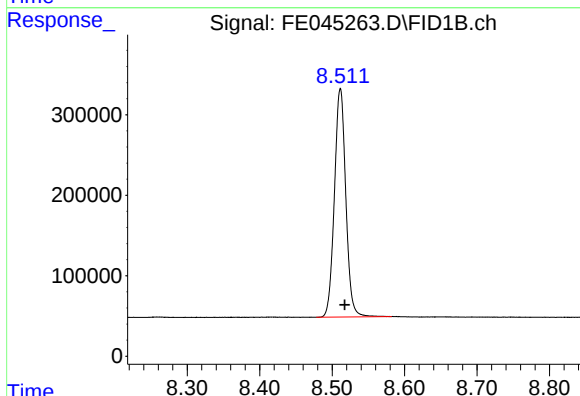
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.314 min
Delta R.T.: -0.007 min
Response: 3202048
Conc: 18.65 ug/ml

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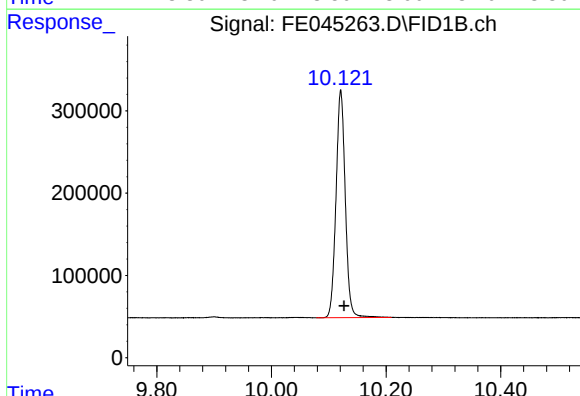
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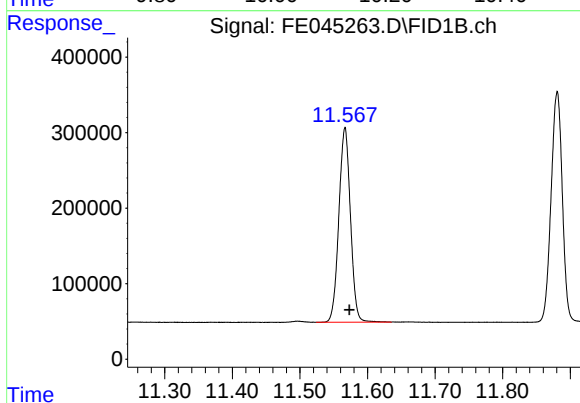
#6 n-Tetradecane (C14)

R.T.: 8.511 min
Delta R.T.: -0.006 min
Response: 3098767
Conc: 18.59 ug/ml



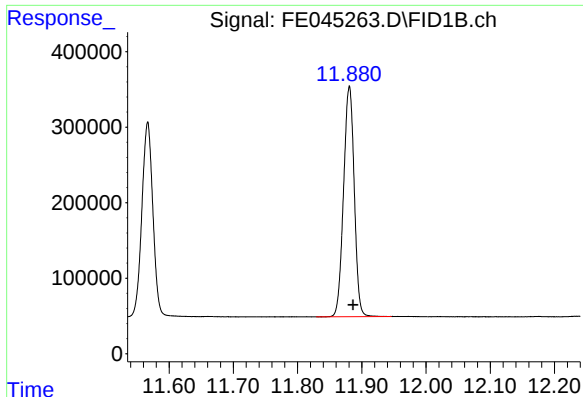
#7 n-Hexadecane (C16)

R.T.: 10.121 min
Delta R.T.: -0.006 min
Response: 3109319
Conc: 18.49 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.567 min
Delta R.T.: -0.006 min
Response: 3066592
Conc: 18.32 ug/ml



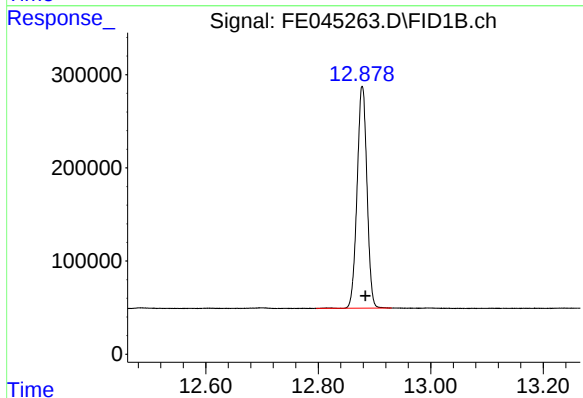
#9 ortho-Terphenyl (SURR)

R.T.: 11.881 min
Delta R.T.: -0.006 min
Response: 3524435
Conc: 18.46 ug/ml

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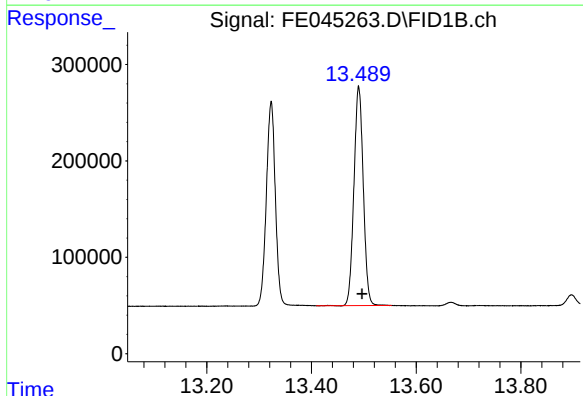
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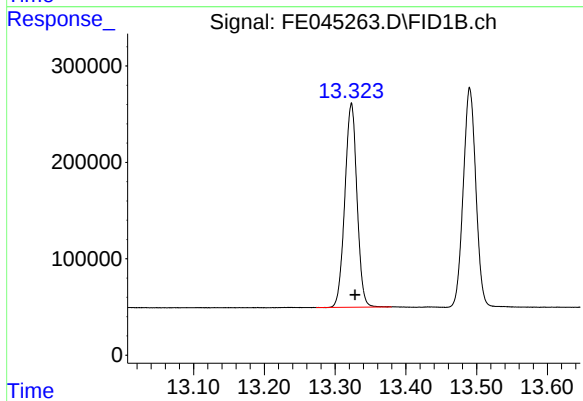
#10 n-Eicosane (C20)

R.T.: 12.878 min
Delta R.T.: -0.005 min
Response: 2902651
Conc: 18.32 ug/ml



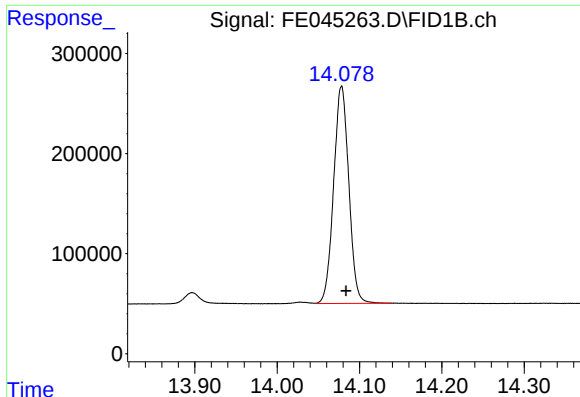
#11 n-Heneicosane (C21)

R.T.: 13.490 min
Delta R.T.: -0.006 min
Response: 2815550
Conc: 18.31 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.323 min
Delta R.T.: -0.005 min
Response: 2520522
Conc: 18.30 ug/ml



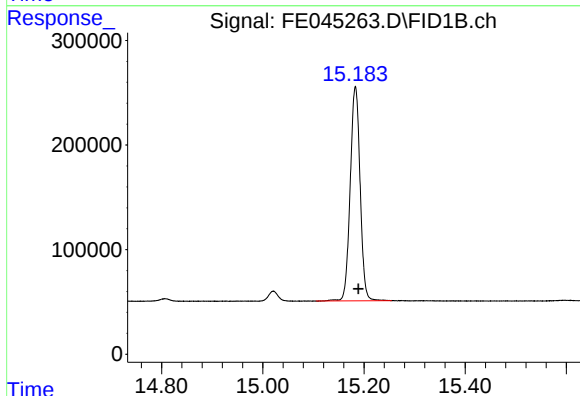
#13 n-Docosane (C22)

R.T.: 14.078 min
Delta R.T.: -0.006 min
Response: 2779262
Conc: 18.34 ug/ml

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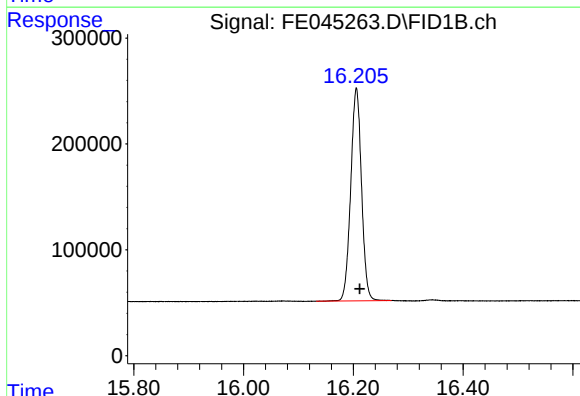
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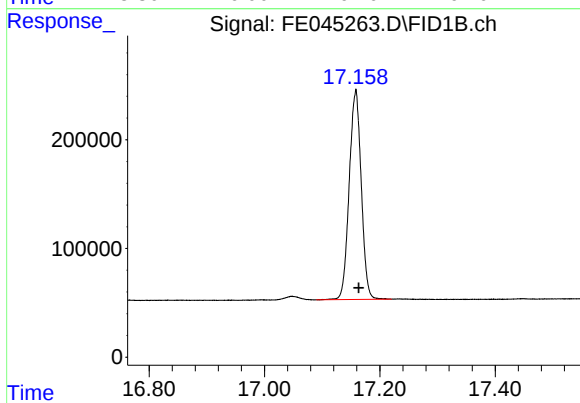
#14 n-Tetracosane (C24)

R.T.: 15.183 min
Delta R.T.: -0.006 min
Response: 2778568
Conc: 18.76 ug/ml



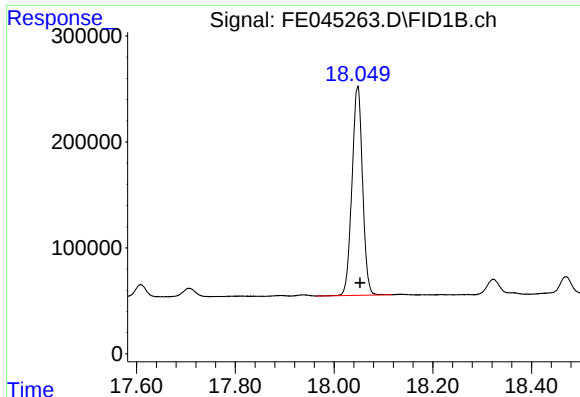
#15 n-Hexacosane (C26)

R.T.: 16.206 min
Delta R.T.: -0.006 min
Response: 2742505
Conc: 18.82 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.158 min
Delta R.T.: -0.005 min
Response: 2786632
Conc: 19.07 ug/ml



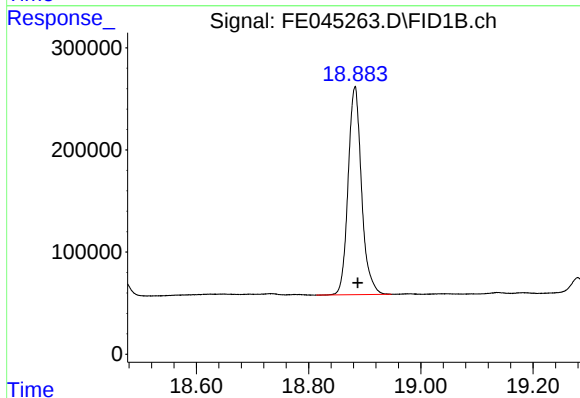
#17 n-Tricontane (C30)

R.T.: 18.048 min
Delta R.T.: -0.005 min
Response: 2933873
Conc: 19.31 ug/ml

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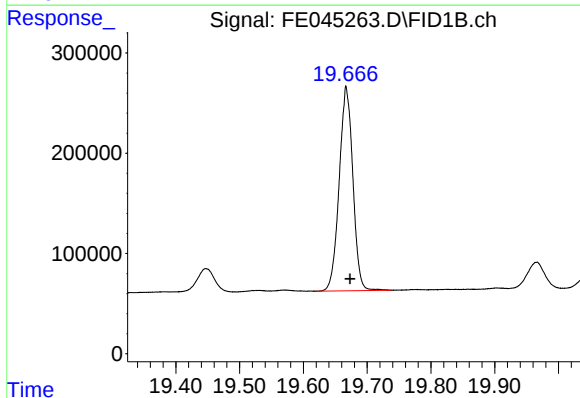
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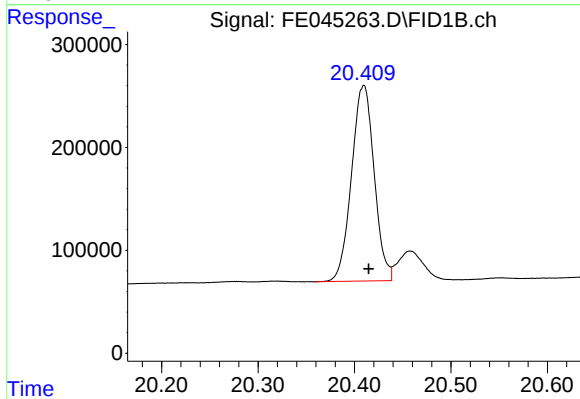
#18 n-Dotriacontane (C32)

R.T.: 18.883 min
Delta R.T.: -0.005 min
Response: 3385222
Conc: 21.67 ug/ml



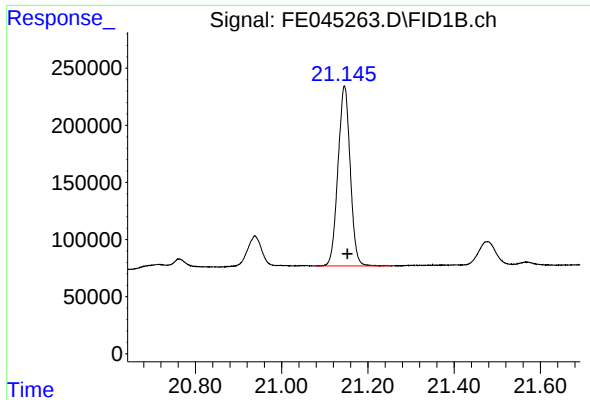
#19 n-Tetratriacontane (C34)

R.T.: 19.667 min
Delta R.T.: -0.006 min
Response: 3032912
Conc: 19.42 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.410 min
Delta R.T.: -0.005 min
Response: 3100481
Conc: 19.10 ug/ml



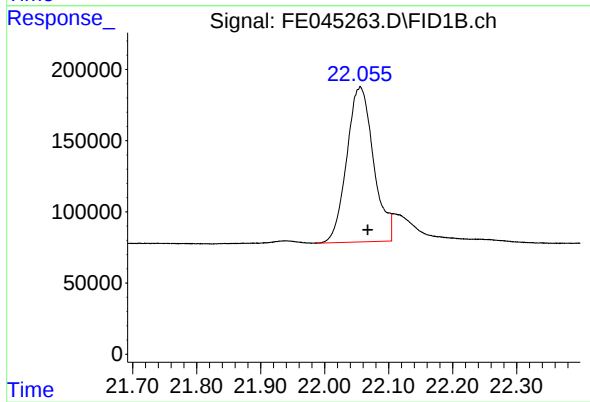
#21 n-Octatriacontane (C38)

R.T.: 21.146 min
Delta R.T.: -0.007 min
Response: 3096600
Conc: 18.64 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.055 min
Delta R.T.: -0.012 min
Response: 3161675
Conc: 18.51 ug/ml m