

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE121123AL\
 Data File : FE045765.D
 Signal(s) : FID1B.ch
 Acq On : 11 Dec 2023 19:00
 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 12/12/2023
 Supervised By :Ankita Jodhani 12/12/2023

Integration File: autoint1.e
 Quant Time: Dec 11 23:46:13 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 113023.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 30 12:25:07 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)	11.855	3821701	18.275 ug/ml
Spiked Amount 50.000		Recovery =	36.55%
12) S 1-chlorooctadecane (S...	13.298	2831177	17.993 ug/ml
Spiked Amount 50.000		Recovery =	35.99%
Target Compounds			
1) T n-Nonane (C9)	3.239	3130791	19.743 ug/mlm
2) T n-Decane (C10)	4.491	3218300	20.098 ug/ml
3) T A~Naphthalene (C11.7)	6.193	3483304	19.997 ug/ml
4) T n-Dodecane (C12)	6.659	3246104	20.096 ug/ml
5) T A~2-methylnaphthalene...	7.290	3380017	19.904 ug/ml
6) T n-Tetradecane (C14)	8.486	3228041	20.122 ug/ml
7) T n-Hexadecane (C16)	10.096	3281606	19.817 ug/ml
8) T n-Octadecane (C18)	11.542	3281993	19.143 ug/ml
10) T n-Eicosane (C20)	12.853	3166788	18.303 ug/ml
11) T n-Heneicosane (C21)	13.466	3096120	17.997 ug/ml
13) T n-Docosane (C22)	14.053	3074438	17.831 ug/ml
14) T n-Tetracosane (C24)	15.159	3048601	17.463 ug/ml
15) T n-Hexacosane (C26)	16.182	2980113	17.112 ug/ml
16) T n-Octacosane (C28)	17.134	2972195	17.197 ug/ml
17) T n-Tricontane (C30)	18.026	3092292	17.676 ug/ml
18) T n-Dotriacontane (C32)	18.861	3093918	16.959 ug/mlm
19) T n-Tetratriacontane (C34)	19.647	2957305	17.823 ug/ml
20) T n-Hexatriacontane (C36)	20.392	2815936	17.740 ug/ml
21) T n-Octatriacontane (C38)	21.124	3097997	19.755 ug/mlm
22) T n-Tetracontane (C40)	22.030	2796909	19.681 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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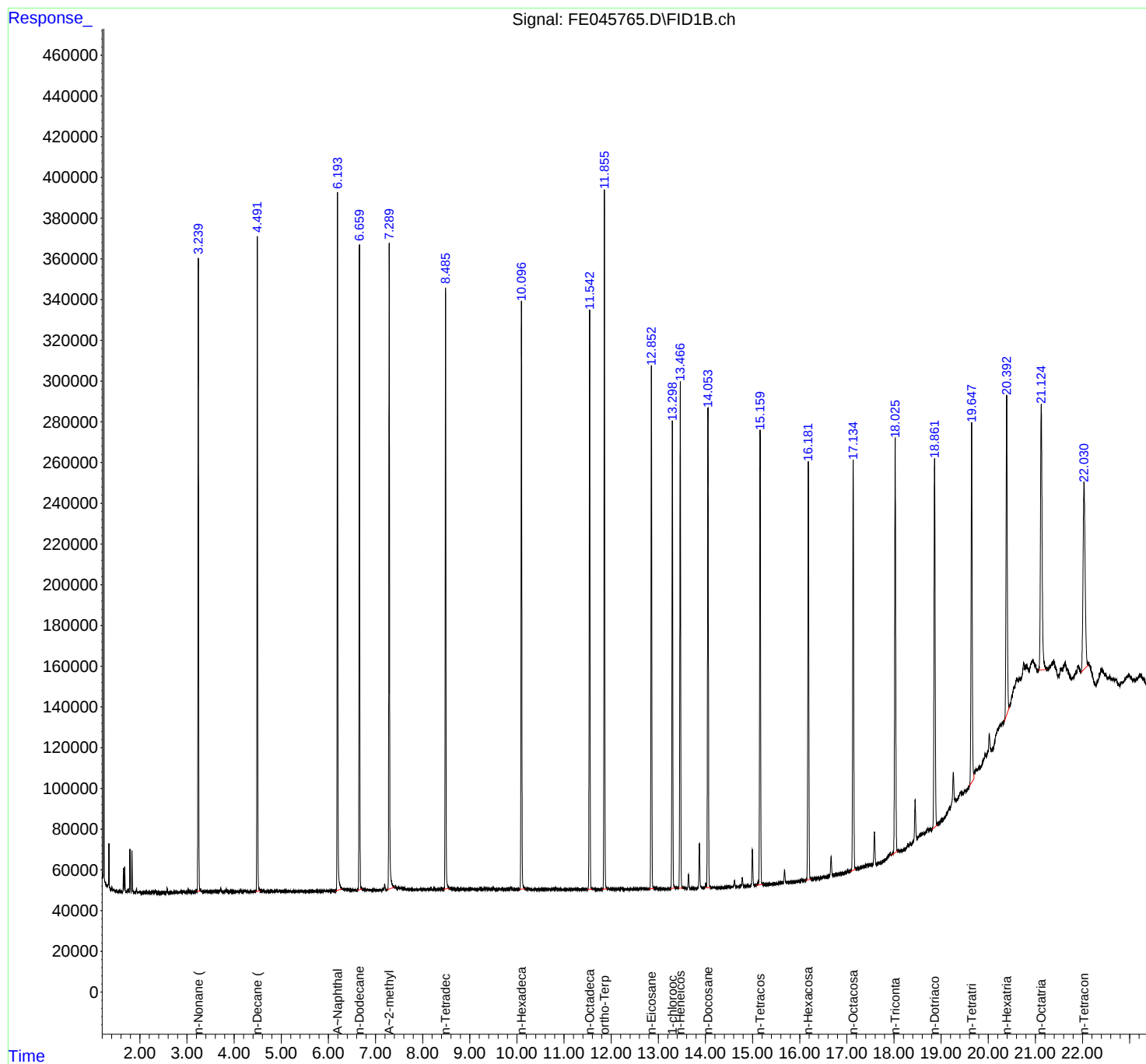
Instrument :
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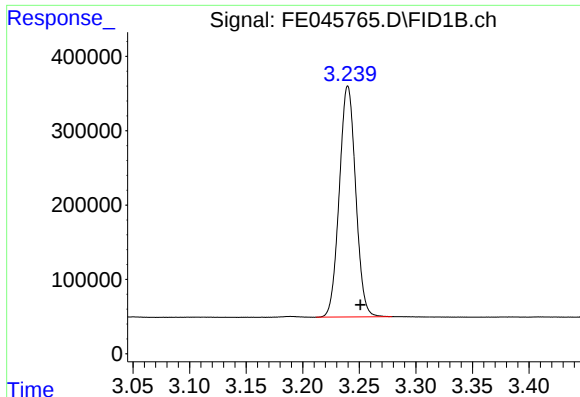
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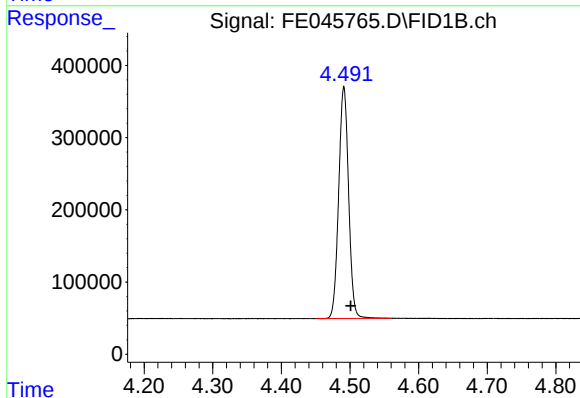
#1 n-Nonane (C9)

R.T.: 3.239 min
Delta R.T.: -0.012 min
Response: 3130791
Conc: 19.74 ug/ml

Instrument :
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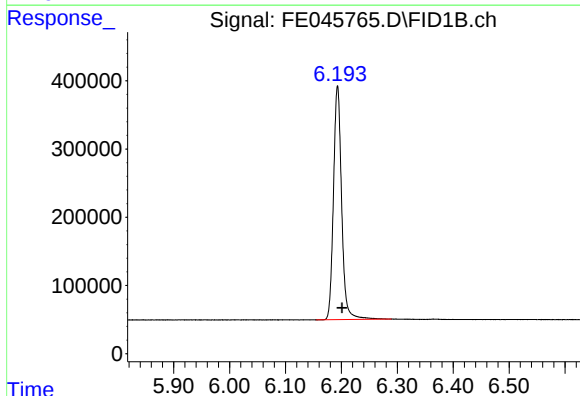
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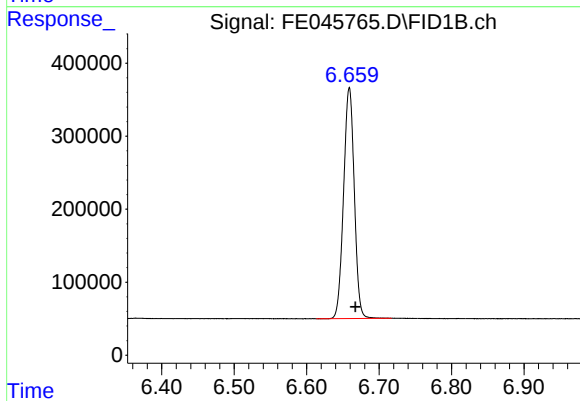
#2 n-Decane (C10)

R.T.: 4.491 min
Delta R.T.: -0.010 min
Response: 3218300
Conc: 20.10 ug/ml



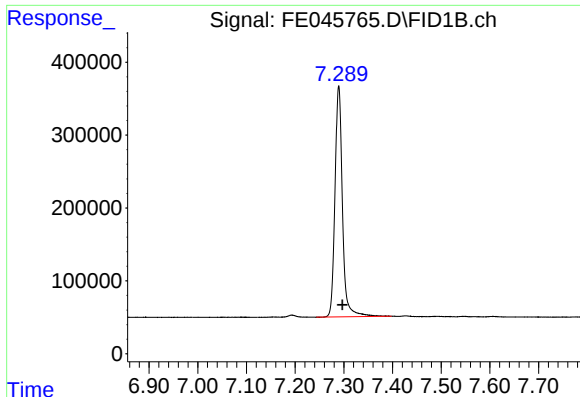
#3 A~Naphthalene (C11.7)

R.T.: 6.193 min
Delta R.T.: -0.008 min
Response: 3483304
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.659 min
Delta R.T.: -0.008 min
Response: 3246104
Conc: 20.10 ug/ml



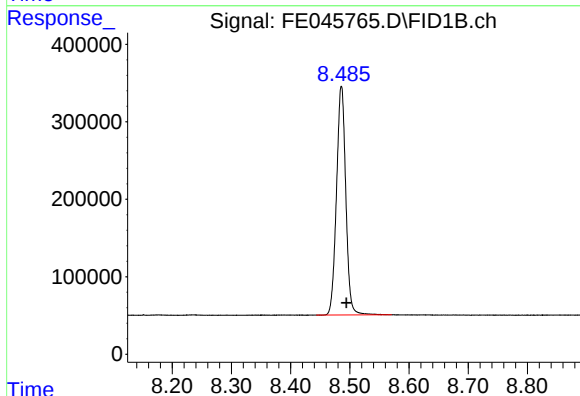
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.290 min
Delta R.T.: -0.008 min
Response: 3380017
Conc: 19.90 ug/ml

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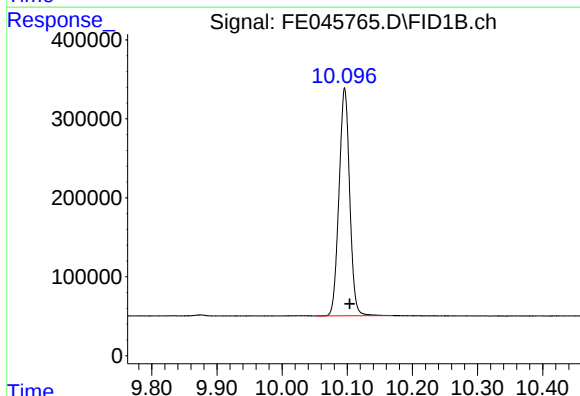
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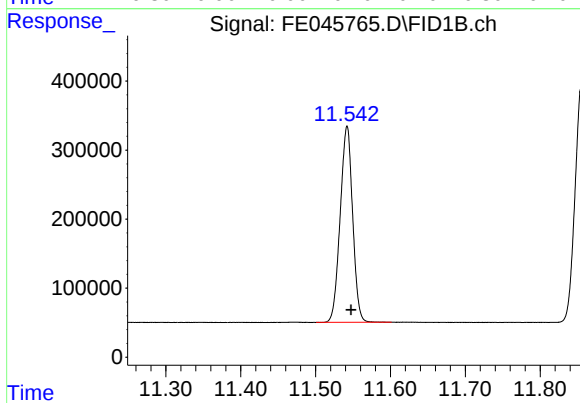
#6 n-Tetradecane (C14)

R.T.: 8.486 min
Delta R.T.: -0.008 min
Response: 3228041
Conc: 20.12 ug/ml



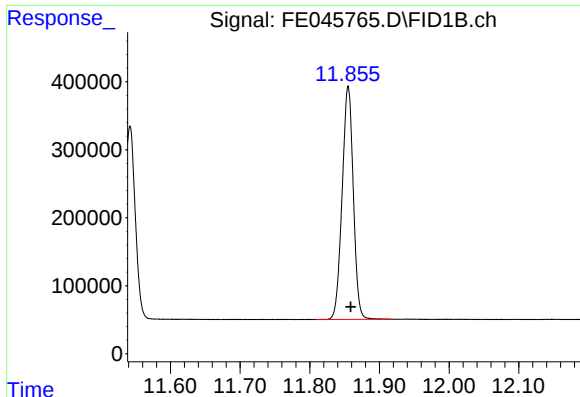
#7 n-Hexadecane (C16)

R.T.: 10.096 min
Delta R.T.: -0.008 min
Response: 3281606
Conc: 19.82 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.542 min
Delta R.T.: -0.005 min
Response: 3281993
Conc: 19.14 ug/ml



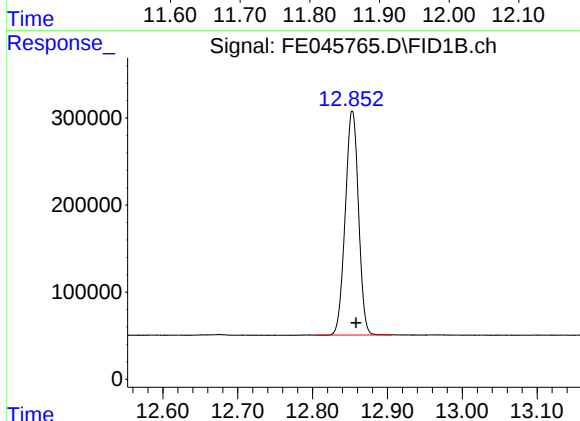
#9 ortho-Terphenyl (SURR)

R.T.: 11.855 min
Delta R.T.: -0.004 min
Response: 3821701
Conc: 18.28 ug/ml

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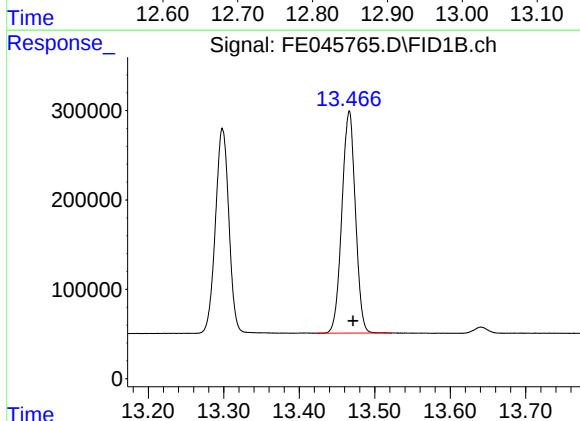
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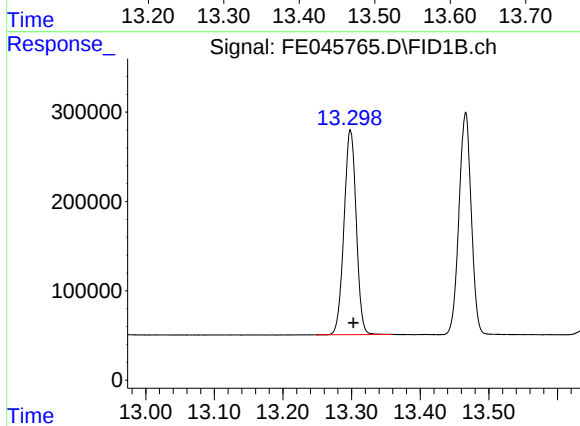
#10 n-Eicosane (C20)

R.T.: 12.853 min
Delta R.T.: -0.005 min
Response: 3166788
Conc: 18.30 ug/ml



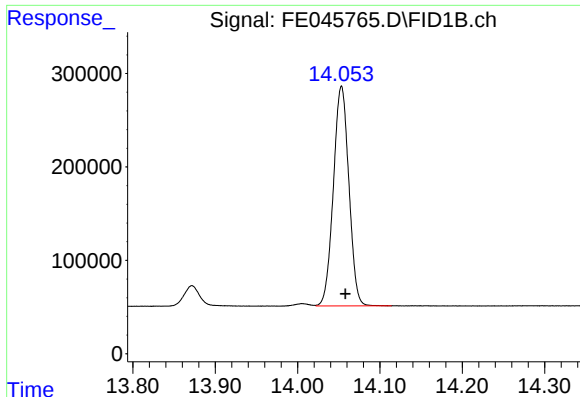
#11 n-Heneicosane (C21)

R.T.: 13.466 min
Delta R.T.: -0.005 min
Response: 3096120
Conc: 18.00 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.298 min
Delta R.T.: -0.005 min
Response: 2831177
Conc: 17.99 ug/ml



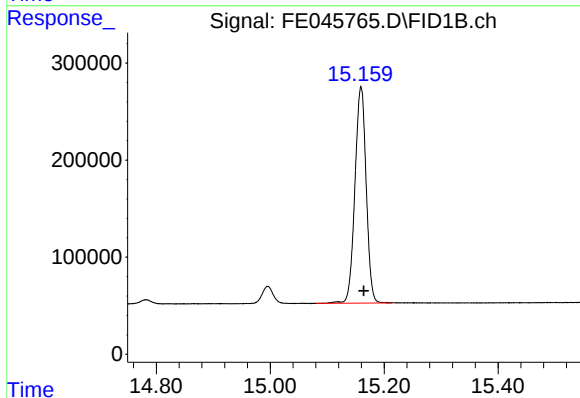
#13 n-Docosane (C22)

R.T.: 14.053 min
Delta R.T.: -0.005 min
Response: 3074438
Conc: 17.83 ug/ml

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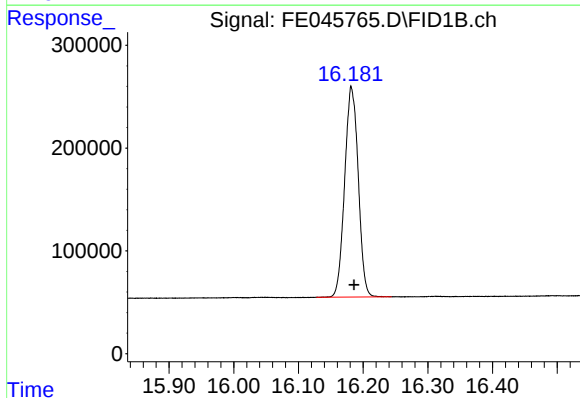
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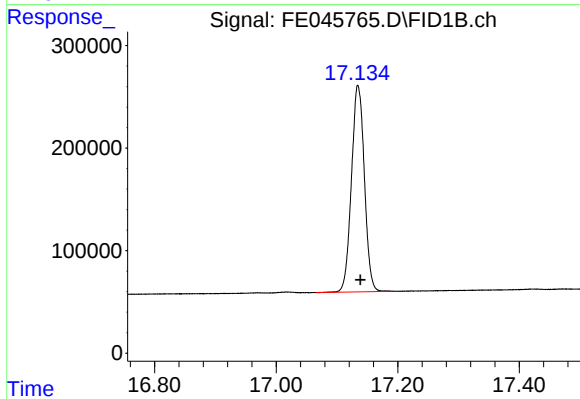
#14 n-Tetracosane (C24)

R.T.: 15.159 min
Delta R.T.: -0.005 min
Response: 3048601
Conc: 17.46 ug/ml



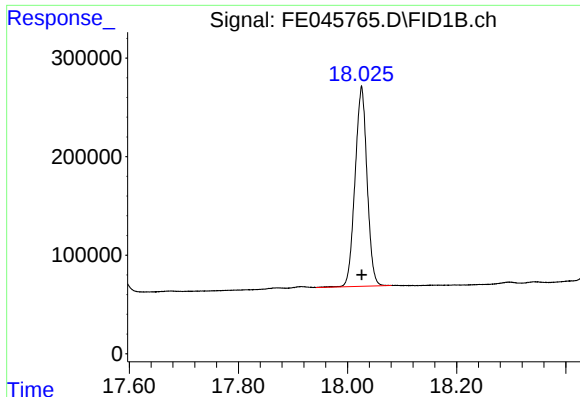
#15 n-Hexacosane (C26)

R.T.: 16.182 min
Delta R.T.: -0.004 min
Response: 2980113
Conc: 17.11 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.134 min
Delta R.T.: -0.004 min
Response: 2972195
Conc: 17.20 ug/ml



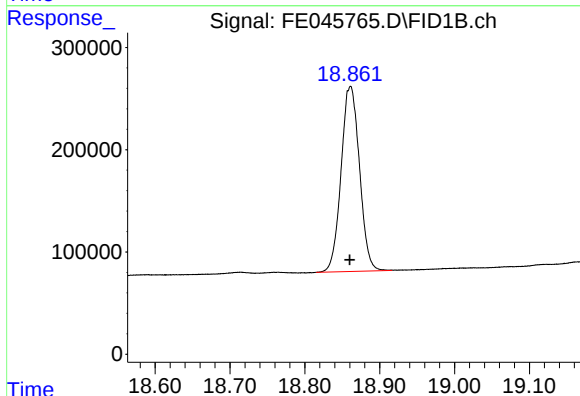
#17 n-Tricontane (C30)

R.T.: 18.026 min
Delta R.T.: 0.000 min
Response: 3092292
Conc: 17.68 ug/ml

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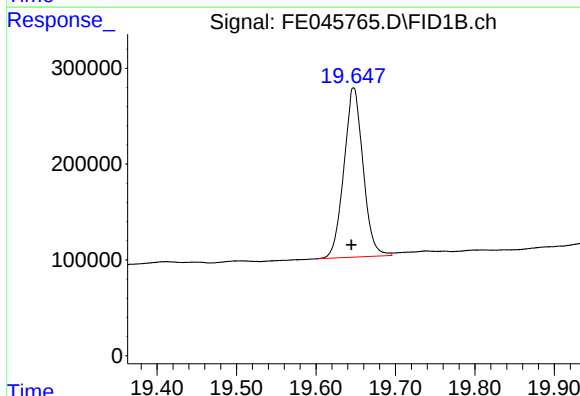
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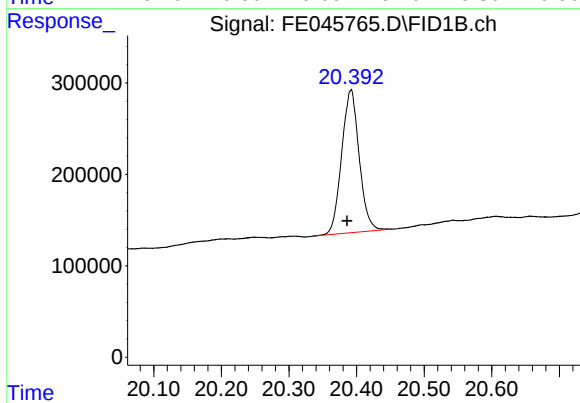
#18 n-Dotriacontane (C32)

R.T.: 18.861 min
Delta R.T.: 0.000 min
Response: 3093918
Conc: 16.96 ug/ml m



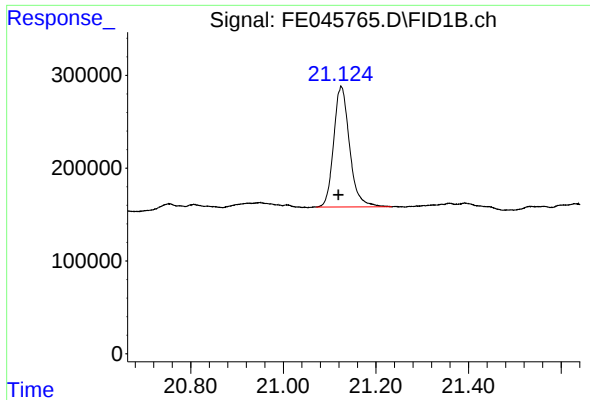
#19 n-Tetratriacontane (C34)

R.T.: 19.647 min
Delta R.T.: 0.003 min
Response: 2957305
Conc: 17.82 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.392 min
Delta R.T.: 0.006 min
Response: 2815936
Conc: 17.74 ug/ml



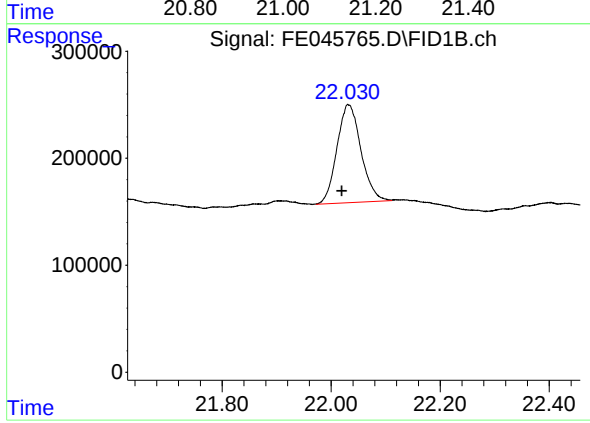
#21 n-Octatriacontane (C38)

R.T.: 21.124 min
Delta R.T.: 0.005 min
Response: 3097997
Conc: 19.76 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.030 min
Delta R.T.: 0.011 min
Response: 2796909
Conc: 19.68 ug/ml m