

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE010523AL\
 Data File : FE039650.D
 Signal(s) : FID1B.ch
 Acq On : 05 Jan 2023 11:52
 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 01/06/2023
 Supervised By :Ankita Jodhani 01/06/2023

Integration File: autoint1.e
 Quant Time: Jan 06 02:53:06 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 121722.M
 Quant Title : GC Extractables
 QLast Update : Sat Dec 17 15:09:52 2022
 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)	11.924	2874650	19.263 ug/ml
Spiked Amount 50.000		Recovery =	38.53%
12) S 1-chlorooctadecane (S...	13.360	2233742	19.407 ug/ml
Spiked Amount 50.000		Recovery =	38.81%
Target Compounds			
1) T n-Nonane (C9)	3.317	2241751	17.343 ug/ml
2) T n-Decane (C10)	4.568	2259459	17.732 ug/ml
3) T A~Naphthalene (C11.7)	6.271	2589312	17.912 ug/ml
4) T n-Dodecane (C12)	6.732	2303387	17.742 ug/ml
5) T A~2-methylnaphthalene...	7.366	2459551	18.161 ug/ml
6) T n-Tetradecane (C14)	8.558	2385036	17.999 ug/ml
7) T n-Hexadecane (C16)	10.164	2528774	18.381 ug/ml
8) T n-Octadecane (C18)	11.606	2636235	18.822 ug/ml
10) T n-Eicosane (C20)	12.915	2618871	19.185 ug/ml
11) T n-Heneicosane (C21)	13.527	2635145	19.320 ug/mlm
13) T n-Docosane (C22)	14.113	2644900	19.552 ug/ml
14) T n-Tetracosane (C24)	15.216	2682820	19.985 ug/ml
15) T n-Hexacosane (C26)	16.237	2659494	20.425 ug/ml
16) T n-Octacosane (C28)	17.186	2746543	21.340 ug/ml
17) T n-Tricontane (C30)	18.073	2959912	22.990 ug/mlm
18) T n-Dotriacontane (C32)	18.907	3028204	23.384 ug/ml
19) T n-Tetratriacontane (C34)	19.691	2783434	22.062 ug/ml
20) T n-Hexatriacontane (C36)	20.433	2499965	20.675 ug/ml
21) T n-Octatriacontane (C38)	21.168	2391605	19.366 ug/ml
22) T n-Tetracontane (C40)	22.075	2375818	18.918 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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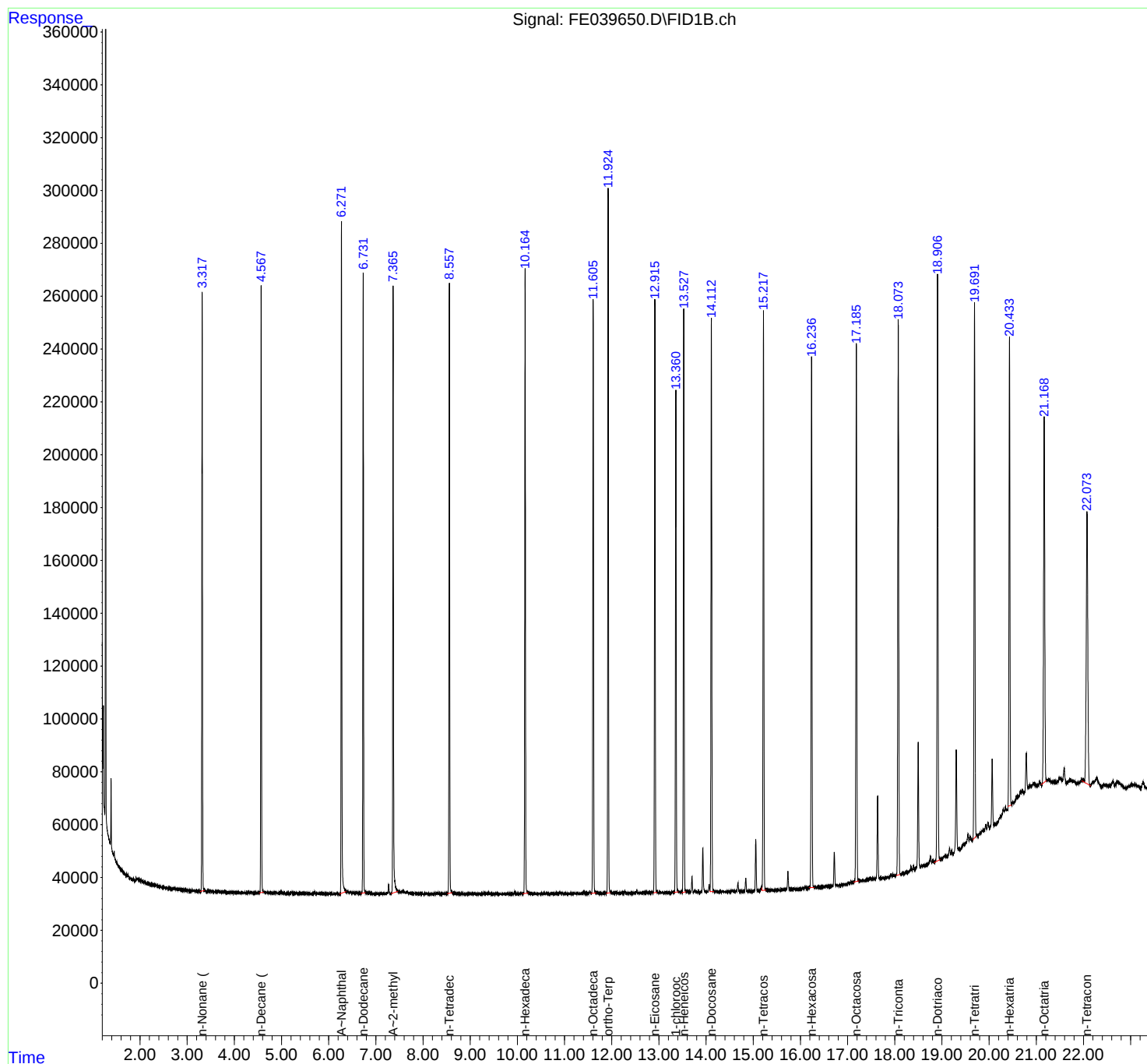
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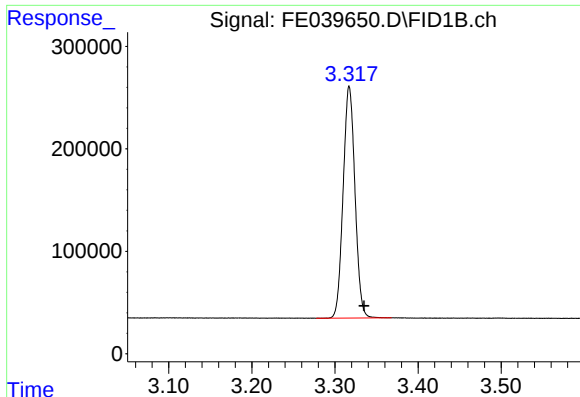
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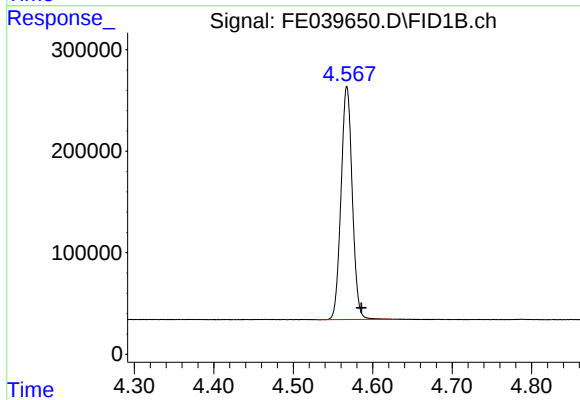
#1 n-Nonane (C9)

R.T.: 3.317 min
Delta R.T.: -0.018 min
Response: 2241751
Conc: 17.34 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

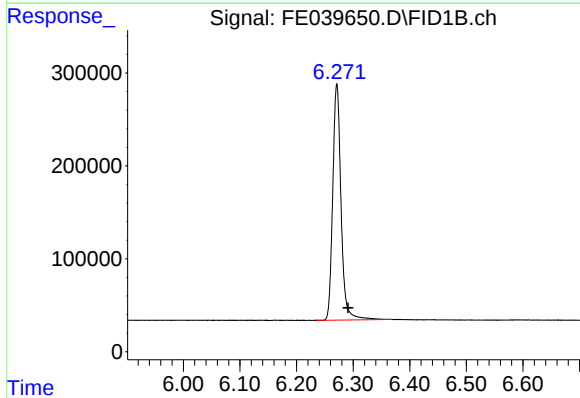
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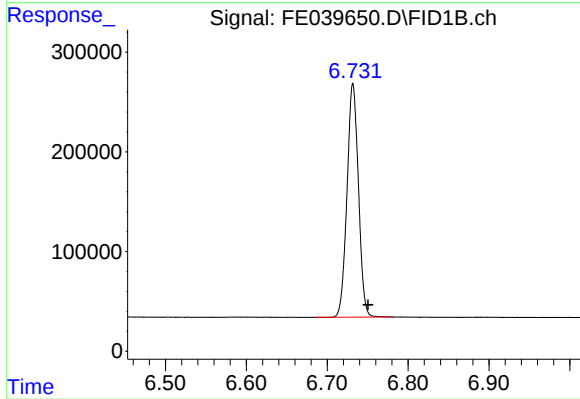
#2 n-Decane (C10)

R.T.: 4.568 min
Delta R.T.: -0.018 min
Response: 2259459
Conc: 17.73 ug/ml



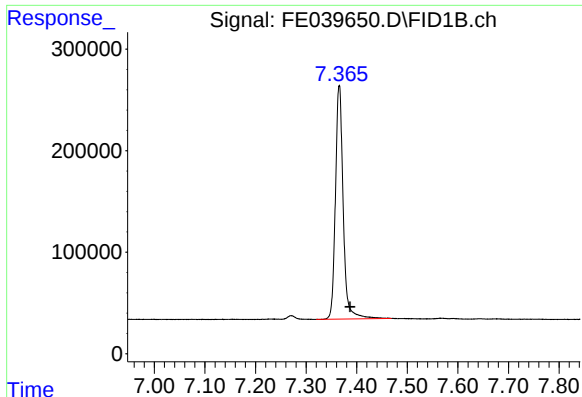
#3 A~Naphthalene (C11.7)

R.T.: 6.271 min
Delta R.T.: -0.020 min
Response: 2589312
Conc: 17.91 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.732 min
Delta R.T.: -0.019 min
Response: 2303387
Conc: 17.74 ug/ml



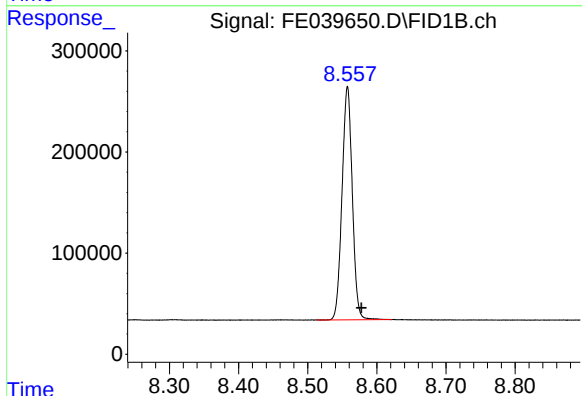
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.366 min
Delta R.T.: -0.021 min
Response: 2459551
Conc: 18.16 ug/ml

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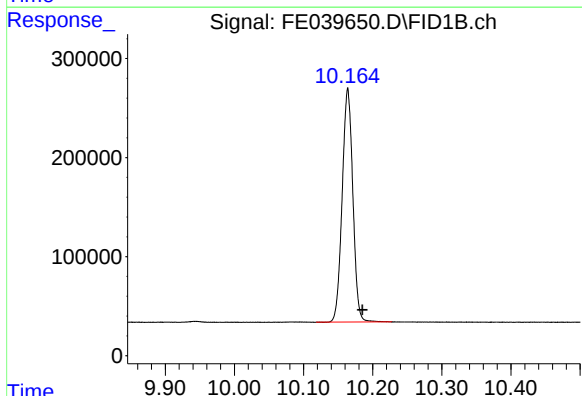
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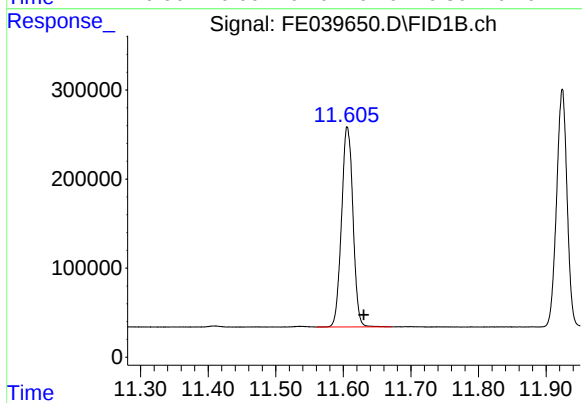
#6 n-Tetradecane (C14)

R.T.: 8.558 min
Delta R.T.: -0.020 min
Response: 2385036
Conc: 18.00 ug/ml



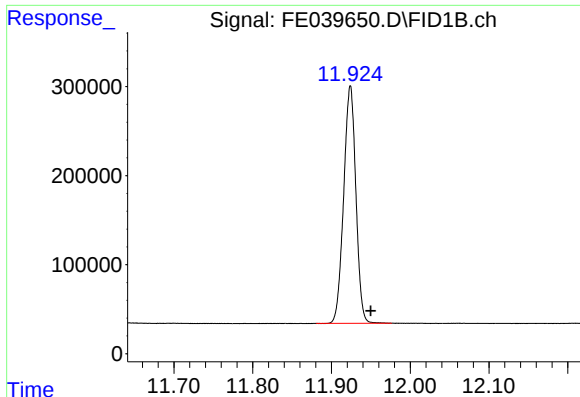
#7 n-Hexadecane (C16)

R.T.: 10.164 min
Delta R.T.: -0.021 min
Response: 2528774
Conc: 18.38 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.606 min
Delta R.T.: -0.024 min
Response: 2636235
Conc: 18.82 ug/ml



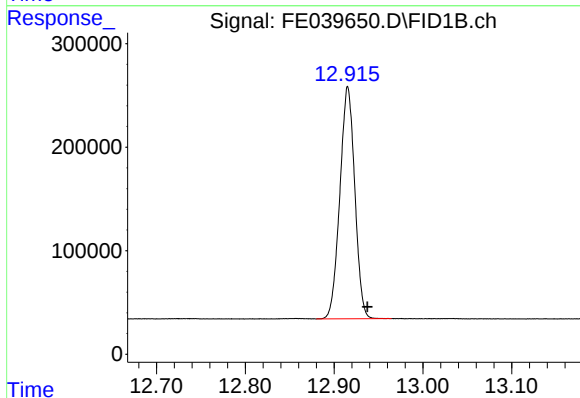
#9 ortho-Terphenyl (SURR)

R.T.: 11.924 min
Delta R.T.: -0.026 min
Response: 2874650
Conc: 19.26 ug/ml

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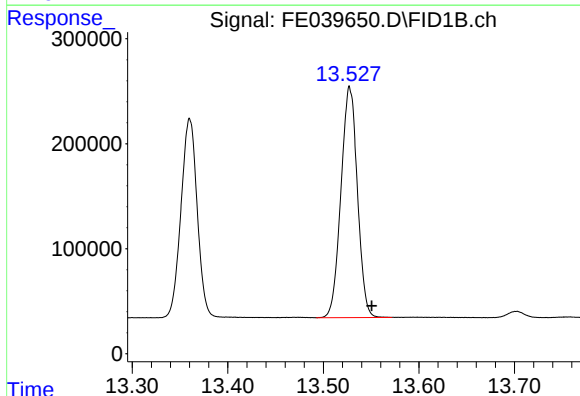
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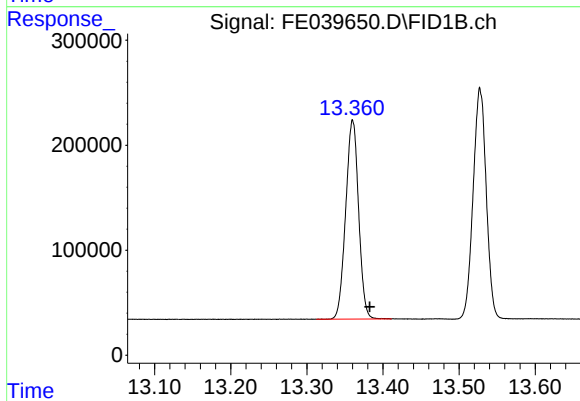
#10 n-Eicosane (C20)

R.T.: 12.915 min
Delta R.T.: -0.022 min
Response: 2618871
Conc: 19.18 ug/ml



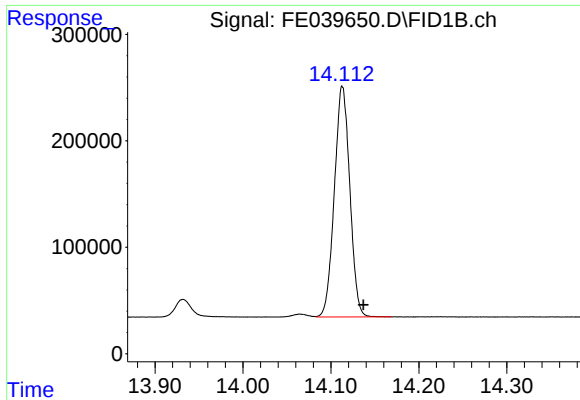
#11 n-Heneicosane (C21)

R.T.: 13.527 min
Delta R.T.: -0.024 min
Response: 2635145
Conc: 19.32 ug/ml m



#12 1-chlorooctadecane (SURR)

R.T.: 13.360 min
Delta R.T.: -0.023 min
Response: 2233742
Conc: 19.41 ug/ml



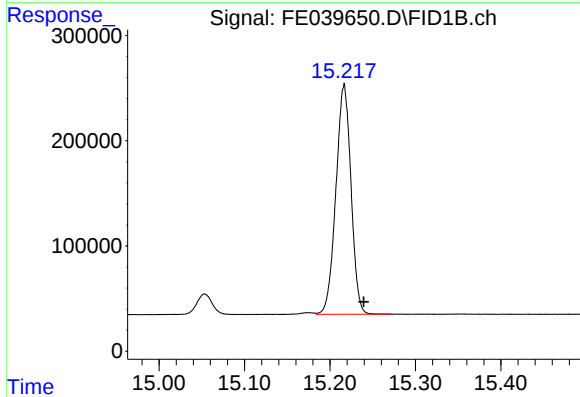
#13 n-Docosane (C22)

R.T.: 14.113 min
Delta R.T.: -0.024 min
Response: 2644900
Conc: 19.55 ug/ml

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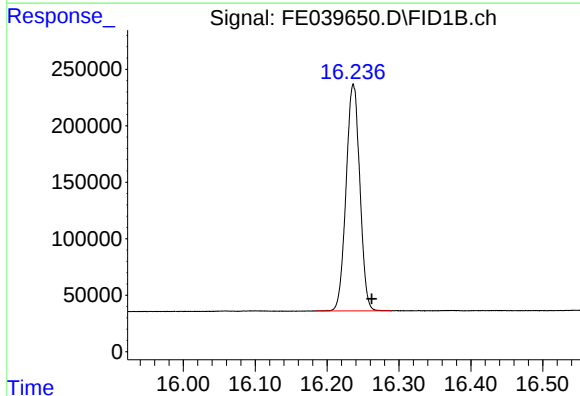
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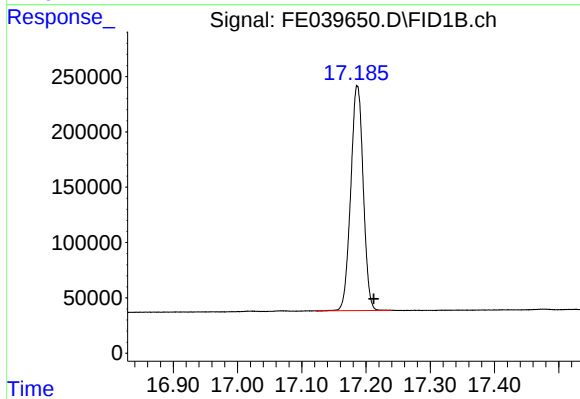
#14 n-Tetracosane (C24)

R.T.: 15.216 min
Delta R.T.: -0.023 min
Response: 2682820
Conc: 19.99 ug/ml



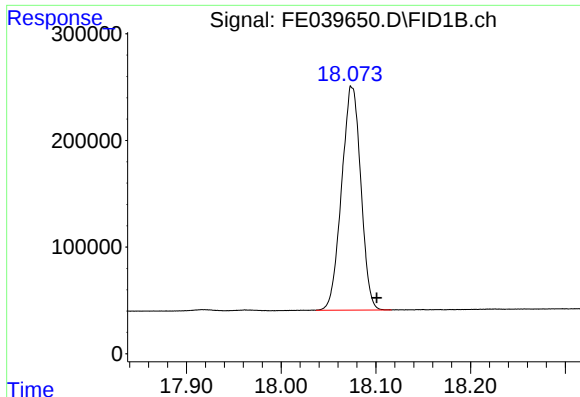
#15 n-Hexacosane (C26)

R.T.: 16.237 min
Delta R.T.: -0.025 min
Response: 2659494
Conc: 20.42 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.186 min
Delta R.T.: -0.026 min
Response: 2746543
Conc: 21.34 ug/ml



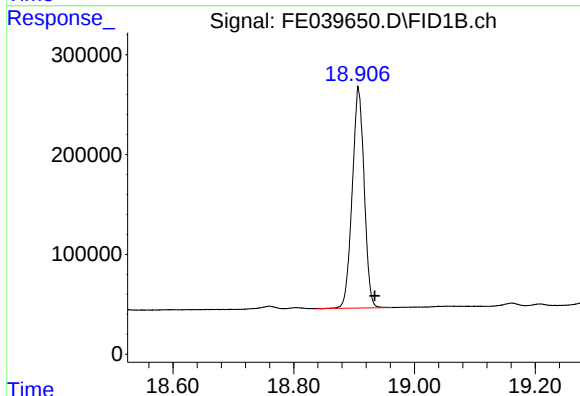
#17 n-Tricontane (C30)

R.T.: 18.073 min
Delta R.T.: -0.028 min
Response: 2959912
Conc: 22.99 ug/ml

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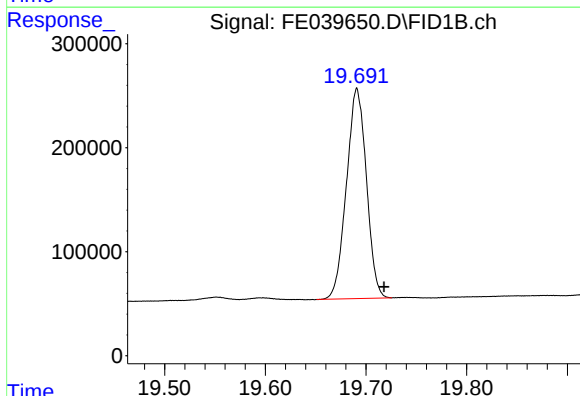
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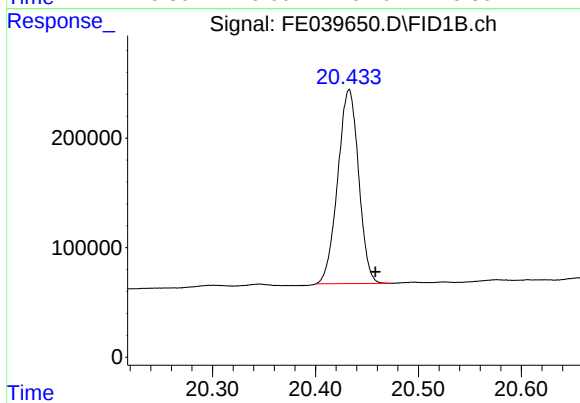
#18 n-Dotriacontane (C32)

R.T.: 18.907 min
Delta R.T.: -0.027 min
Response: 3028204
Conc: 23.38 ug/ml



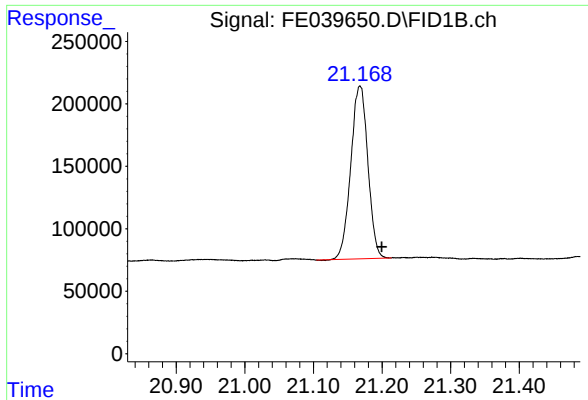
#19 n-Tetratriacontane (C34)

R.T.: 19.691 min
Delta R.T.: -0.027 min
Response: 2783434
Conc: 22.06 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.433 min
Delta R.T.: -0.025 min
Response: 2499965
Conc: 20.68 ug/ml



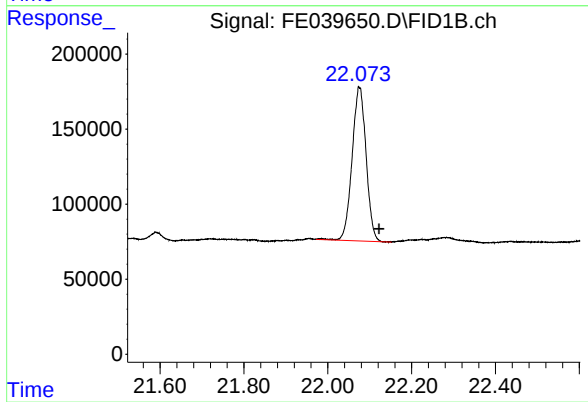
#21 n-Octatriacontane (C38)

R.T.: 21.168 min
Delta R.T.: -0.032 min
Response: 2391605
Conc: 19.37 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.075 min
Delta R.T.: -0.048 min
Response: 2375818
Conc: 18.92 ug/ml