

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032825AL\
 Data File : FE053035.D
 Signal(s) : FID1B.ch
 Acq On : 28 Mar 2025 08:03
 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 03/31/2025
 Supervised By :mohammad ahmed 04/01/2025

Integration File: autoint1.e
 Quant Time: Mar 28 22:51:17 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 030325.M
 Quant Title : GC Extractables
 QLast Update : Mon Mar 03 13:39:39 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)	11.898	3307014	19.616 ug/ml
Spiked Amount 50.000		Recovery =	39.23%
12) S 1-chlorooctadecane (S...	13.342	2459534	20.255 ug/ml
Spiked Amount 50.000		Recovery =	40.51%
Target Compounds			
1) T n-Nonane (C9)	3.242	3153369	20.338 ug/ml
2) T n-Decane (C10)	4.503	3224105	20.523 ug/ml
3) T A~Naphthalene (C11.7)	6.216	3458106	20.391 ug/ml
4) T n-Dodecane (C12)	6.683	3207050	20.598 ug/ml
5) T A~2-methylnaphthalene...	7.318	3292230	20.315 ug/ml
6) T n-Tetradecane (C14)	8.519	3127656	20.671 ug/ml
7) T n-Hexadecane (C16)	10.134	3174702	20.765 ug/ml
8) T n-Octadecane (C18)	11.582	3129760	20.571 ug/ml
10) T n-Eicosane (C20)	12.896	2946873	20.299 ug/ml
11) T n-Heneicosane (C21)	13.511	2864396	20.125 ug/ml
13) T n-Docosane (C22)	14.098	2839672	19.954 ug/ml
14) T n-Tetracosane (C24)	15.204	2822324	19.722 ug/ml
15) T n-Hexacosane (C26)	16.229	2786635	19.597 ug/ml
16) T n-Octacosane (C28)	17.180	2781218	19.559 ug/ml
17) T n-Tricontane (C30)	18.070	2891858	19.579 ug/ml
18) T n-Dotriacontane (C32)	18.904	2867648	19.752 ug/ml
19) T n-Tetratriacontane (C34)	19.688	2668799	19.801 ug/ml
20) T n-Hexatriacontane (C36)	20.430	2403187	20.225 ug/mlm
21) T n-Octatriacontane (C38)	21.171	2372524	21.386 ug/ml
22) T n-Tetracontane (C40)	22.083	2278432	21.074 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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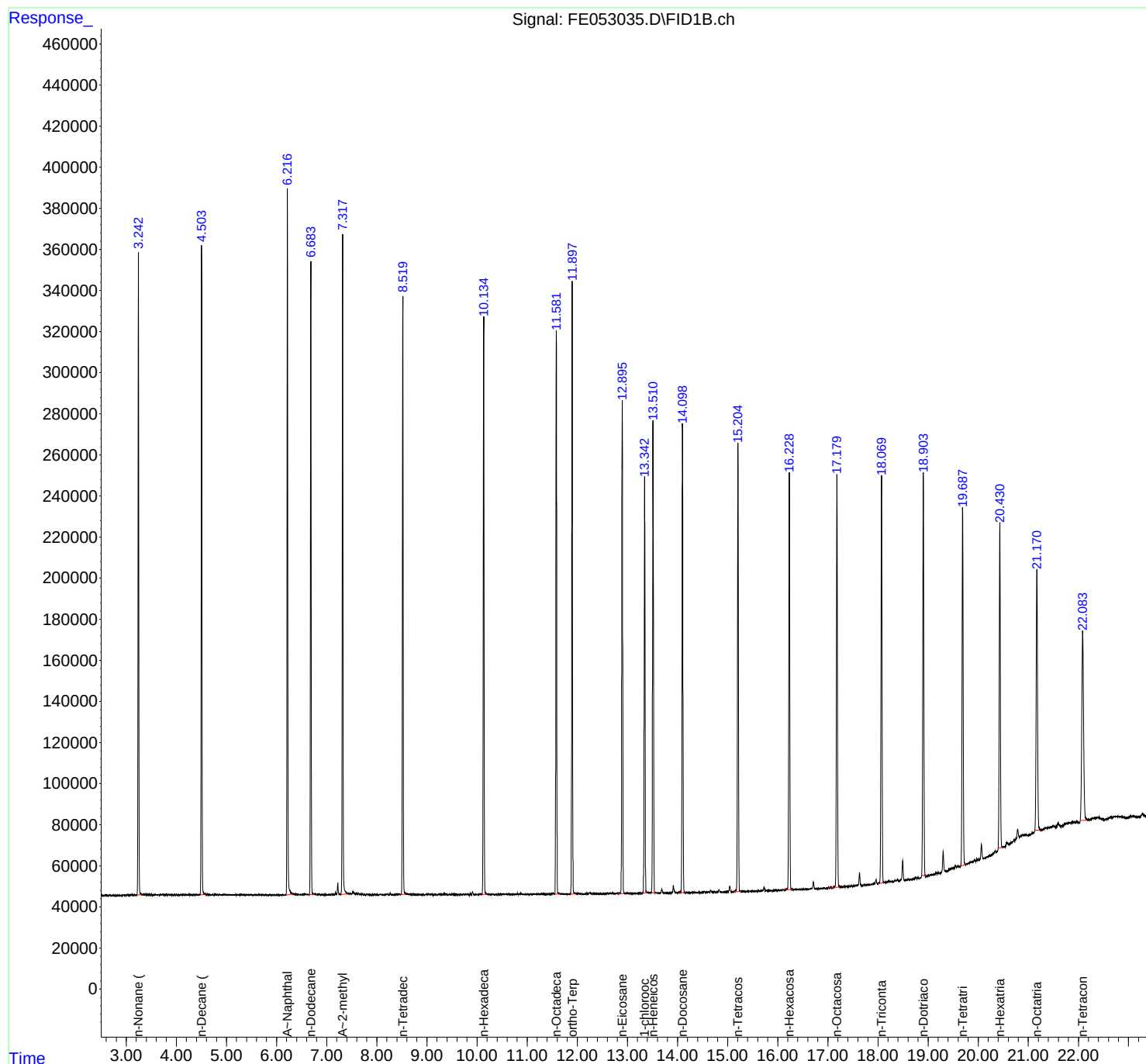
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20 PPM ALIPHATIC HC STD

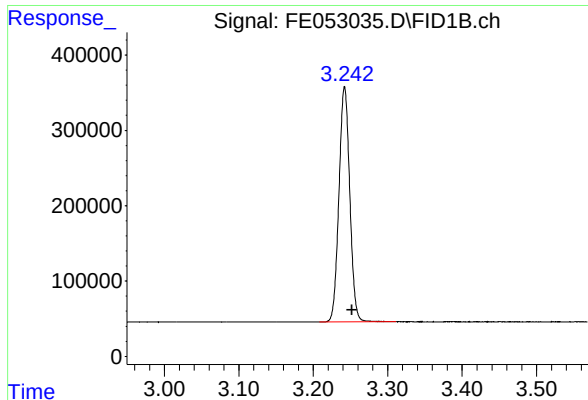
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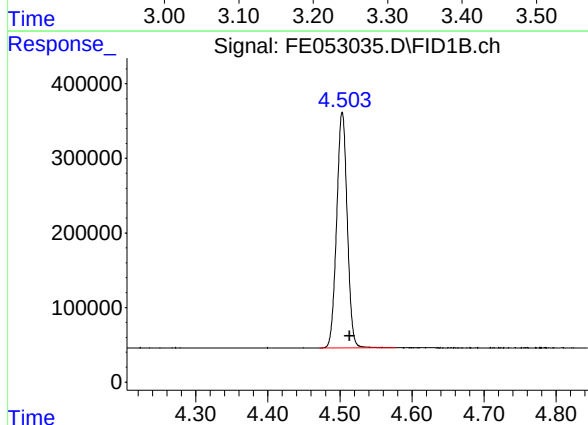
#1 n-Nonane (C9)

R.T.: 3.242 min
Delta R.T.: -0.010 min
Response: 3153369
Conc: 20.34 ug/ml

Instrument :
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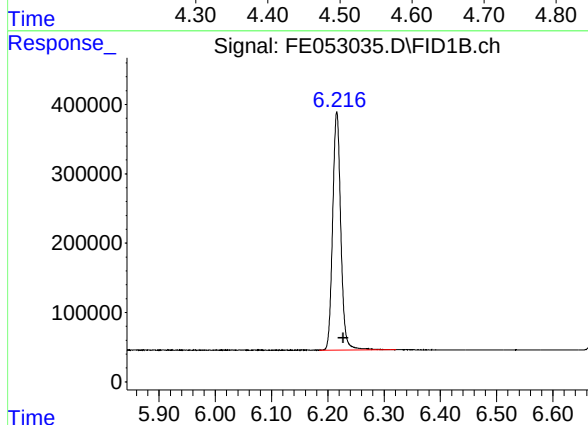
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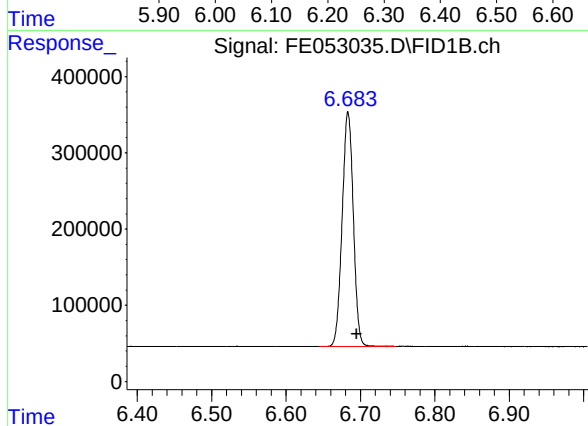
#2 n-Decane (C10)

R.T.: 4.503 min
Delta R.T.: -0.010 min
Response: 3224105
Conc: 20.52 ug/ml



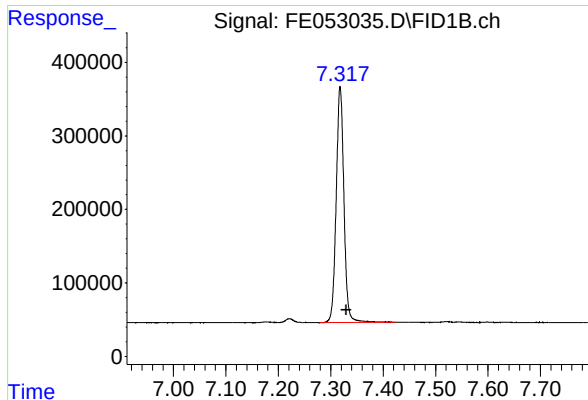
#3 A~Naphthalene (C11.7)

R.T.: 6.216 min
Delta R.T.: -0.012 min
Response: 3458106
Conc: 20.39 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.683 min
Delta R.T.: -0.011 min
Response: 3207050
Conc: 20.60 ug/ml



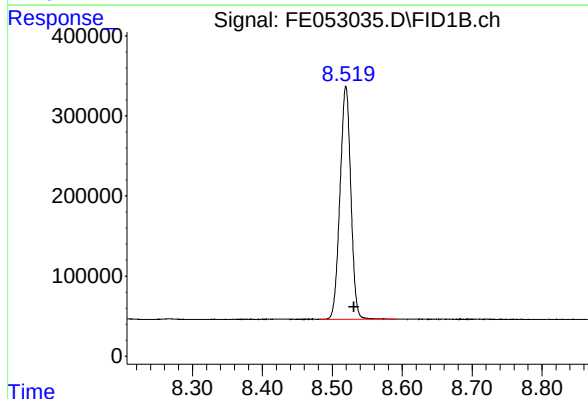
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.318 min
Delta R.T.: -0.011 min
Response: 3292230
Conc: 20.32 ug/ml

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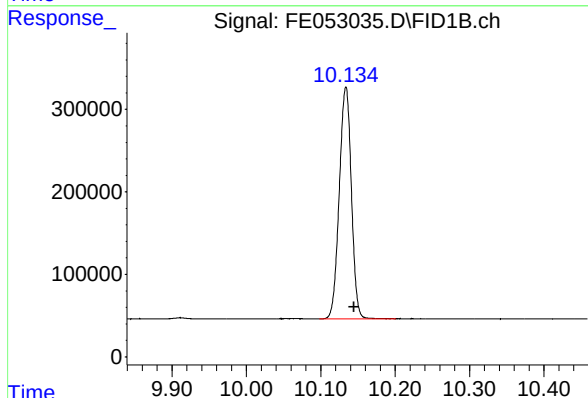
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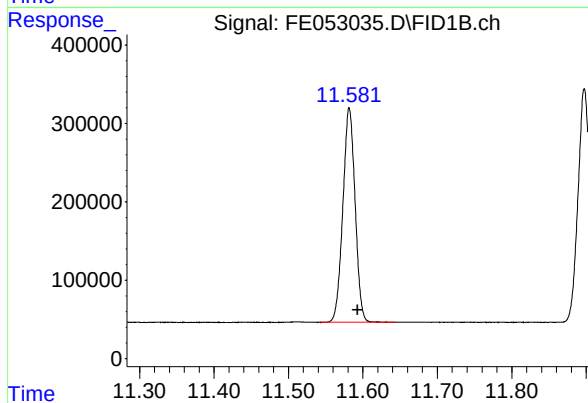
#6 n-Tetradecane (C14)

R.T.: 8.519 min
Delta R.T.: -0.011 min
Response: 3127656
Conc: 20.67 ug/ml



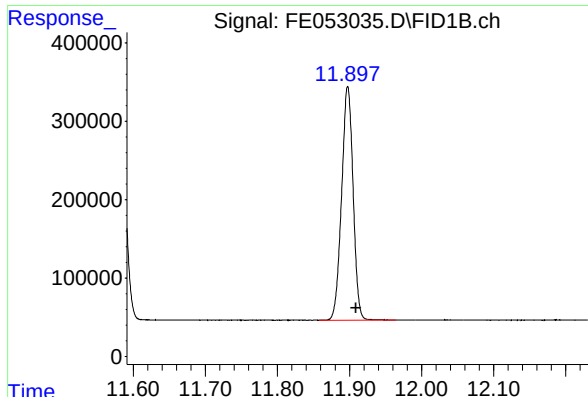
#7 n-Hexadecane (C16)

R.T.: 10.134 min
Delta R.T.: -0.011 min
Response: 3174702
Conc: 20.76 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.582 min
Delta R.T.: -0.011 min
Response: 3129760
Conc: 20.57 ug/ml



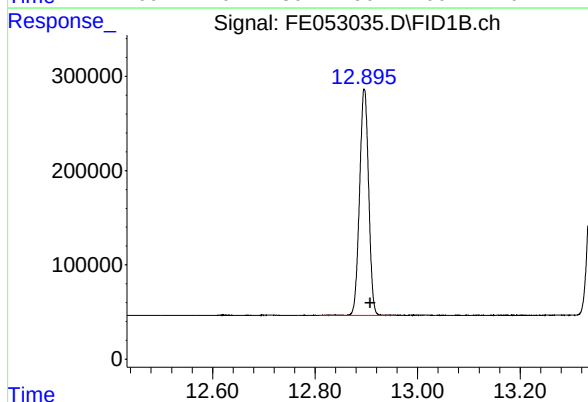
#9 ortho-Terphenyl (SURR)

R.T.: 11.898 min
Delta R.T.: -0.011 min
Response: 3307014
Conc: 19.62 ug/ml

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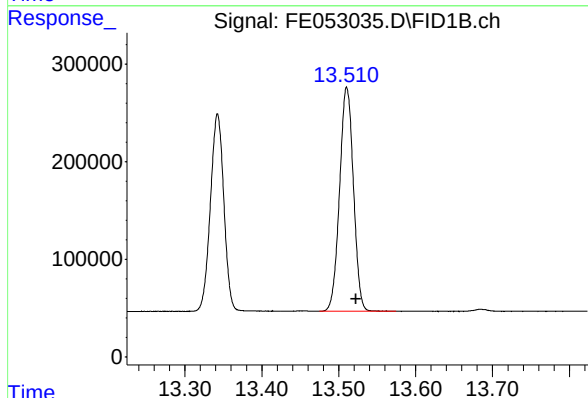
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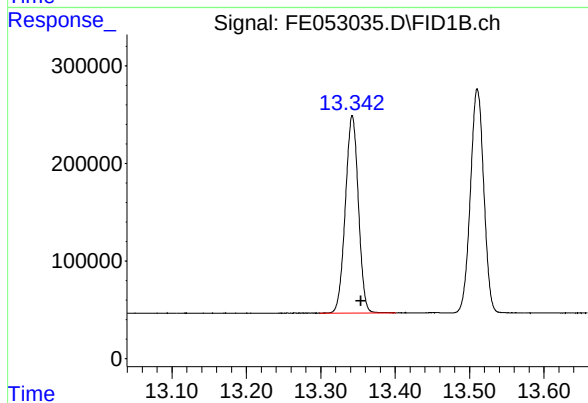
#10 n-Eicosane (C20)

R.T.: 12.896 min
Delta R.T.: -0.011 min
Response: 2946873
Conc: 20.30 ug/ml



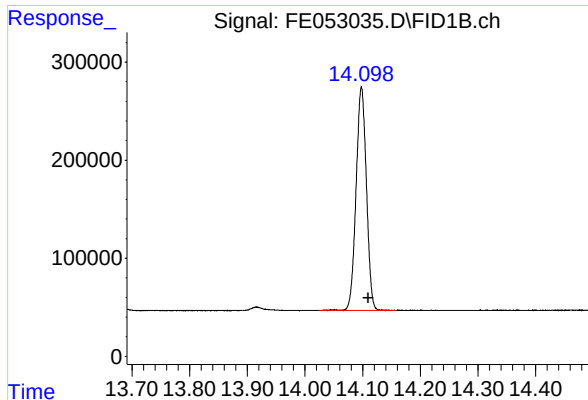
#11 n-Heneicosane (C21)

R.T.: 13.511 min
Delta R.T.: -0.012 min
Response: 2864396
Conc: 20.13 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.342 min
Delta R.T.: -0.012 min
Response: 2459534
Conc: 20.26 ug/ml



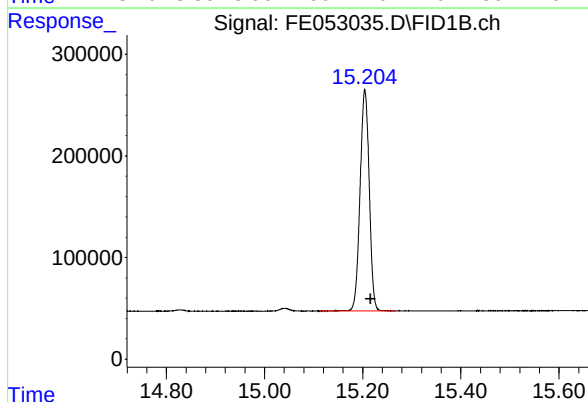
#13 n-Docosane (C22)

R.T.: 14.098 min
Delta R.T.: -0.012 min
Response: 2839672
Conc: 19.95 ug/ml

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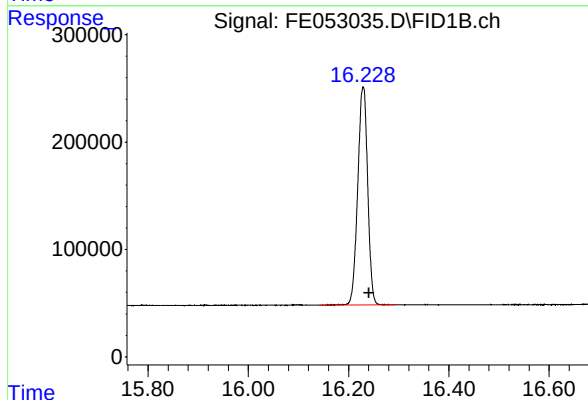
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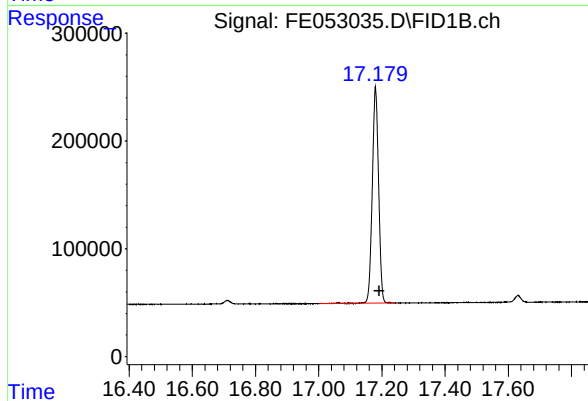
#14 n-Tetracosane (C24)

R.T.: 15.204 min
Delta R.T.: -0.012 min
Response: 2822324
Conc: 19.72 ug/ml



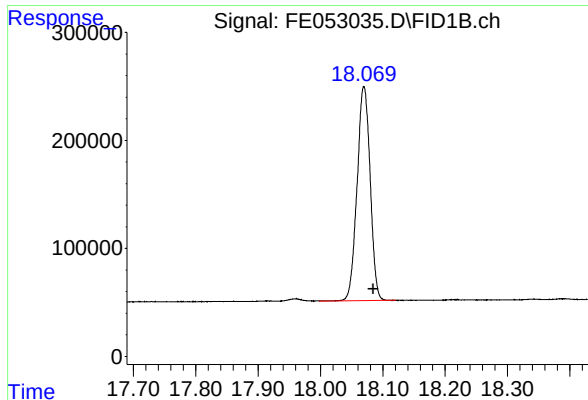
#15 n-Hexacosane (C26)

R.T.: 16.229 min
Delta R.T.: -0.012 min
Response: 2786635
Conc: 19.60 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.180 min
Delta R.T.: -0.012 min
Response: 2781218
Conc: 19.56 ug/ml



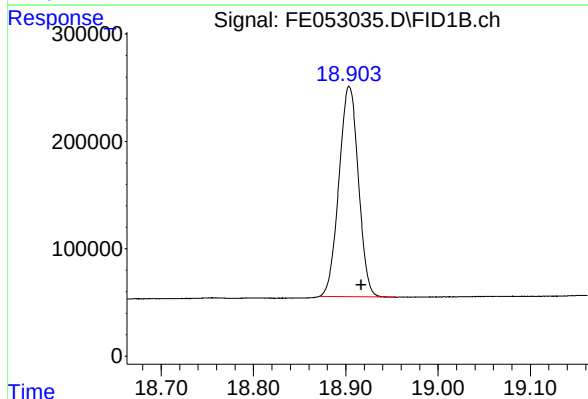
#17 n-Tricontane (C30)

R.T.: 18.070 min
Delta R.T.: -0.015 min
Response: 2891858
Conc: 19.58 ug/ml

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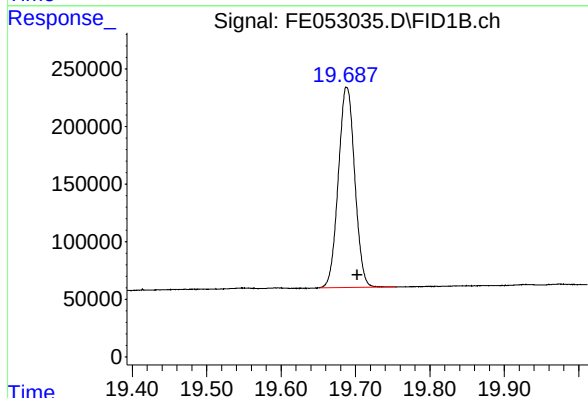
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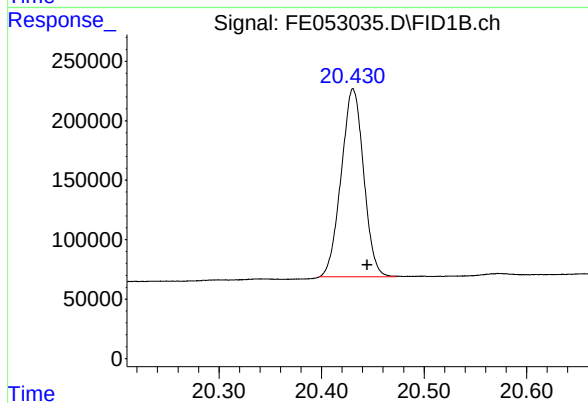
#18 n-Dotriacontane (C32)

R.T.: 18.904 min
Delta R.T.: -0.013 min
Response: 2867648
Conc: 19.75 ug/ml



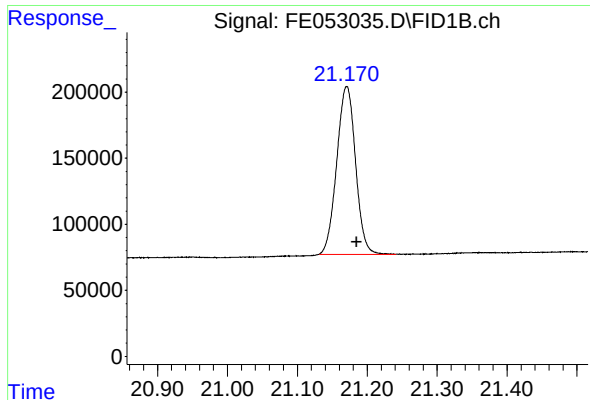
#19 n-Tetratriacontane (C34)

R.T.: 19.688 min
Delta R.T.: -0.014 min
Response: 2668799
Conc: 19.80 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.430 min
Delta R.T.: -0.014 min
Response: 2403187
Conc: 20.22 ug/ml m



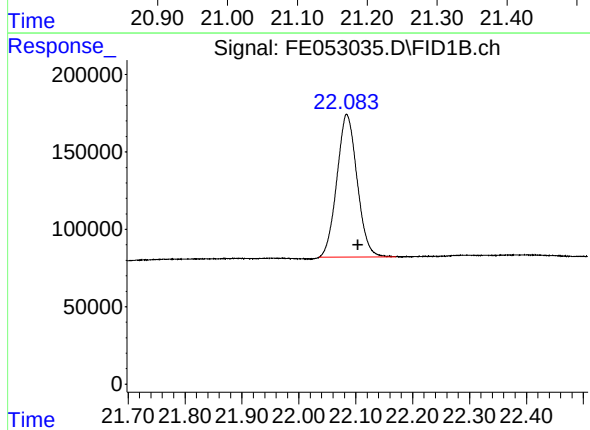
#21 n-Octatriacontane (C38)

R.T.: 21.171 min
Delta R.T.: -0.014 min
Response: 2372524
Conc: 21.39 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.083 min
Delta R.T.: -0.021 min
Response: 2278432
Conc: 21.07 ug/ml m