

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110123AL\
 Data File : FE045135.D
 Signal(s) : FID1B.ch
 Acq On : 01 Nov 2023 14:19
 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 11/02/2023
 Supervised By :mohammad ahmed 11/06/2023

Integration File: autoint1.e
 Quant Time: Nov 01 23:43:06 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101223.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 12 06:15:32 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)	11.895	3736248	18.638 ug/ml
Spiked Amount 50.000		Recovery =	37.28%
12) S 1-chlorooctadecane (S...	13.337	2722624	18.398 ug/ml
Spiked Amount 50.000		Recovery =	36.80%
Target Compounds			
1) T n-Nonane (C9)	3.277	3212452	19.150 ug/ml
2) T n-Decane (C10)	4.528	3330396	19.550 ug/ml
3) T A~Naphthalene (C11.7)	6.230	3543644	19.143 ug/ml
4) T n-Dodecane (C12)	6.695	3333932	19.314 ug/ml
5) T A~2-methylnaphthalene...	7.326	3383323	18.755 ug/ml
6) T n-Tetradecane (C14)	8.521	3272494	19.084 ug/ml
7) T n-Hexadecane (C16)	10.133	3297822	18.859 ug/ml
8) T n-Octadecane (C18)	11.579	3247027	18.617 ug/ml
10) T n-Eicosane (C20)	12.892	3090325	18.502 ug/ml
11) T n-Heneicosane (C21)	13.505	3004933	18.434 ug/ml
13) T n-Docosane (C22)	14.093	2964958	18.536 ug/ml
14) T n-Tetracosane (C24)	15.199	2925870	18.853 ug/ml
15) T n-Hexacosane (C26)	16.222	2886110	19.223 ug/ml
16) T n-Octacosane (C28)	17.173	2925196	19.920 ug/ml
17) T n-Tricontane (C30)	18.063	3124256	21.006 ug/ml
18) T n-Dotriacontane (C32)	18.899	3232389	21.536 ug/ml
19) T n-Tetratriacontane (C34)	19.686	3162166	21.242 ug/mlm
20) T n-Hexatriacontane (C36)	20.429	3242182	21.089 ug/mlm
21) T n-Octatriacontane (C38)	21.169	3173321	20.314 ug/mlm
22) T n-Tetracontane (C40)	22.090	3358090	20.094 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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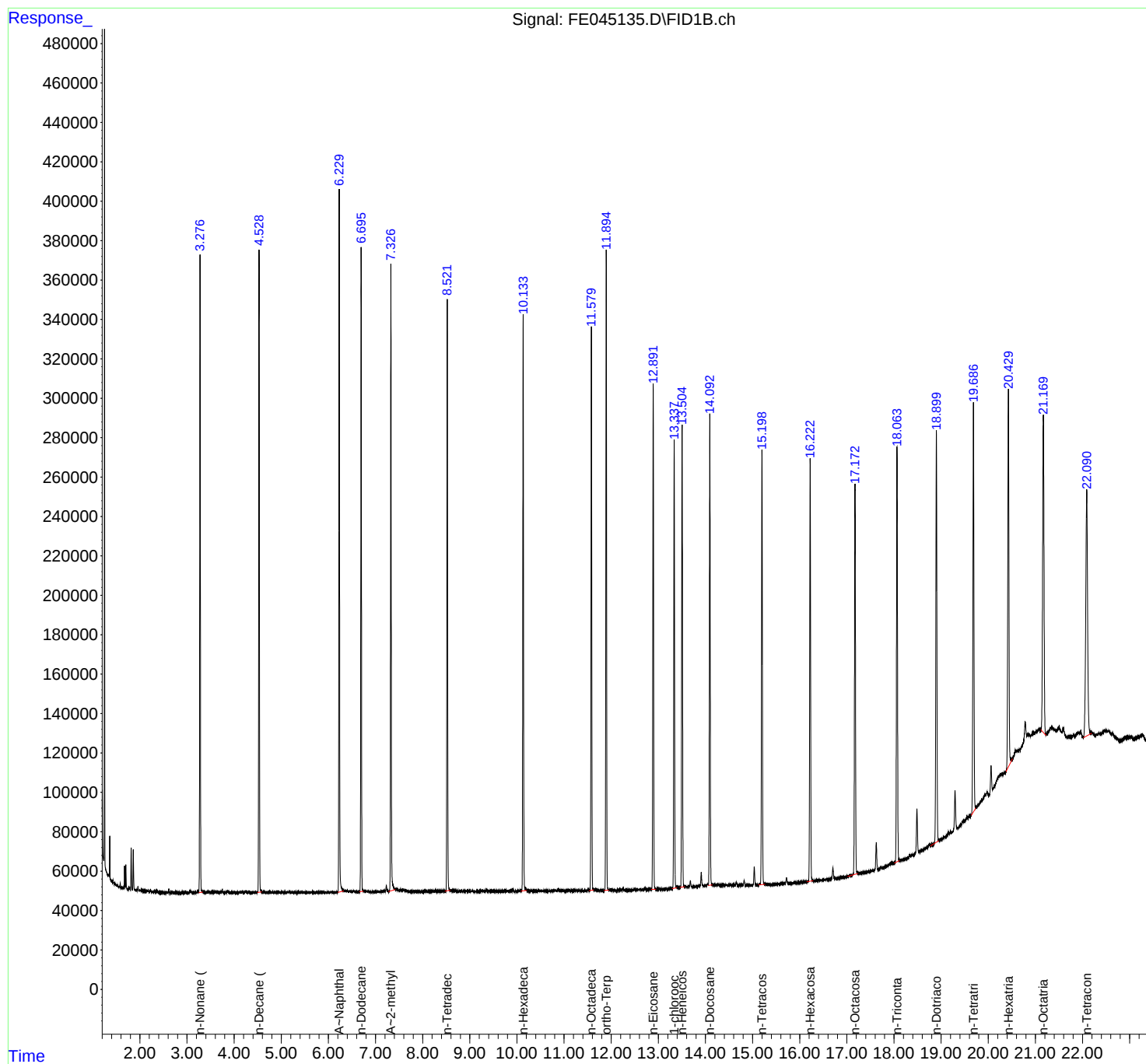
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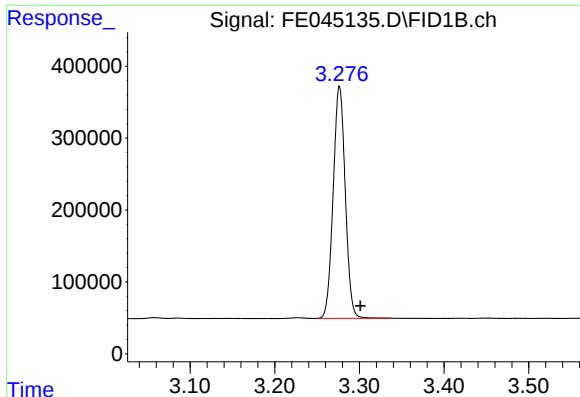
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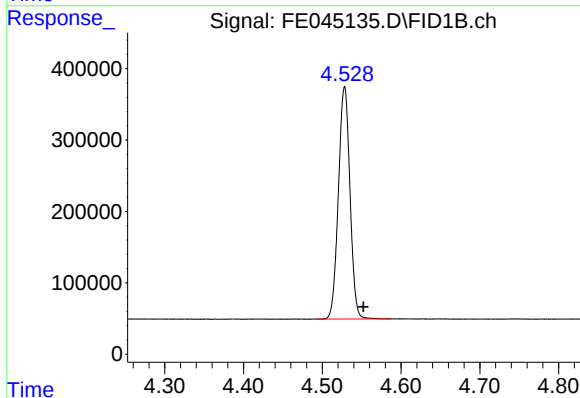
#1 n-Nonane (C9)

R.T.: 3.277 min
Delta R.T.: -0.024 min
Response: 3212452
Conc: 19.15 ug/ml

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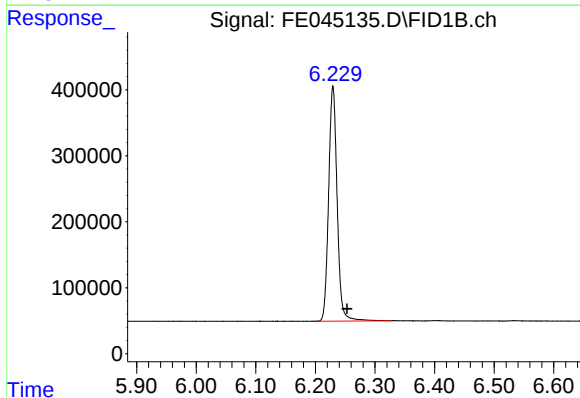
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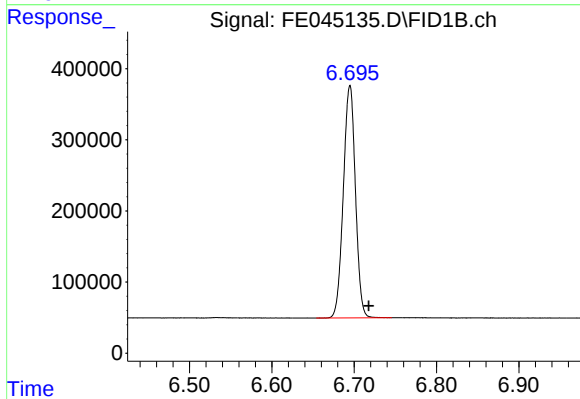
#2 n-Decane (C10)

R.T.: 4.528 min
Delta R.T.: -0.024 min
Response: 3330396
Conc: 19.55 ug/ml



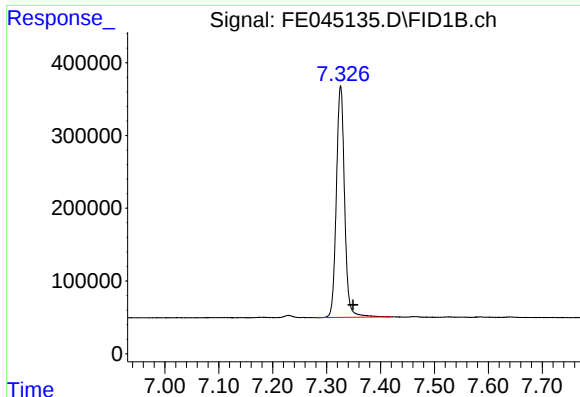
#3 A~Naphthalene (C11.7)

R.T.: 6.230 min
Delta R.T.: -0.024 min
Response: 3543644
Conc: 19.14 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.695 min
Delta R.T.: -0.023 min
Response: 3333932
Conc: 19.31 ug/ml



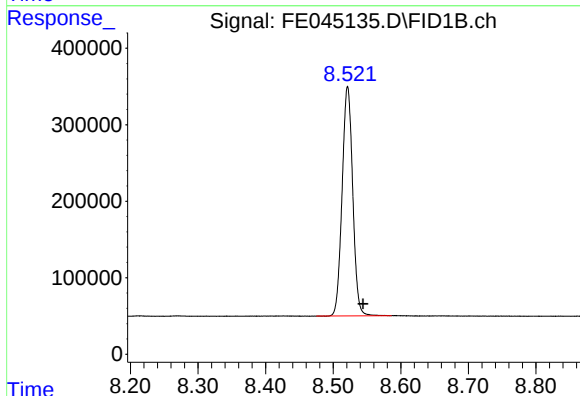
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.326 min
Delta R.T.: -0.023 min
Response: 3383323
Conc: 18.76 ug/ml

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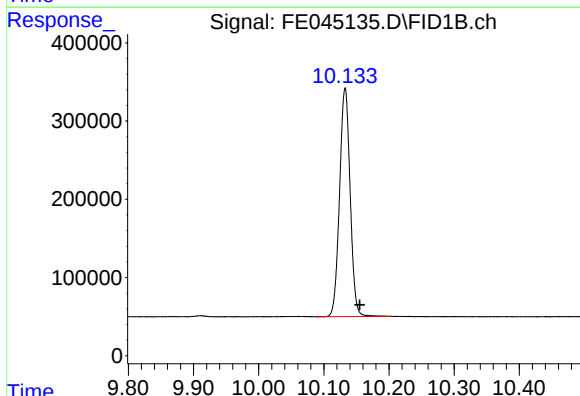
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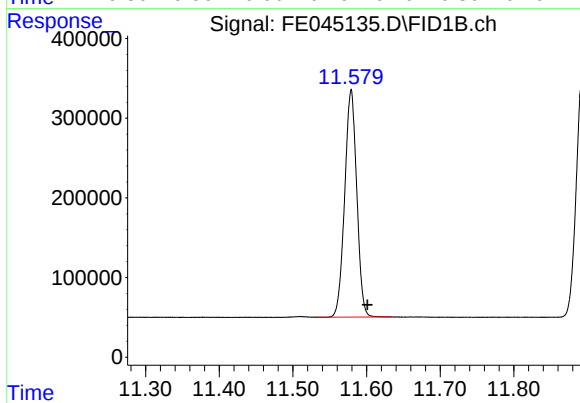
#6 n-Tetradecane (C14)

R.T.: 8.521 min
Delta R.T.: -0.023 min
Response: 3272494
Conc: 19.08 ug/ml



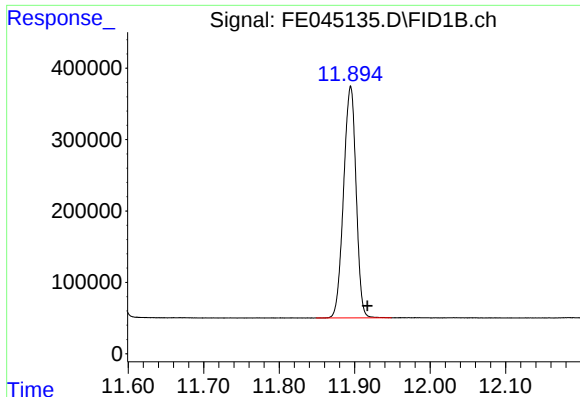
#7 n-Hexadecane (C16)

R.T.: 10.133 min
Delta R.T.: -0.023 min
Response: 3297822
Conc: 18.86 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.579 min
Delta R.T.: -0.022 min
Response: 3247027
Conc: 18.62 ug/ml



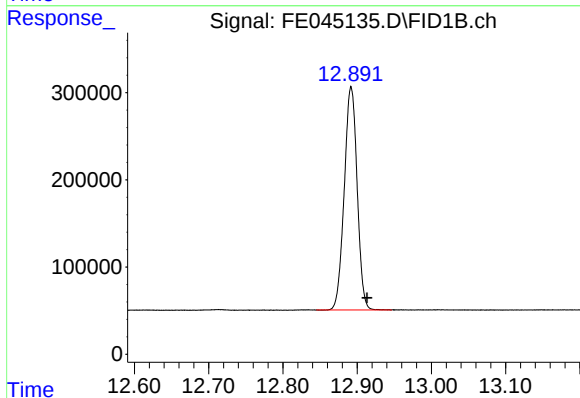
#9 ortho-Terphenyl (SURR)

R.T.: 11.895 min
Delta R.T.: -0.022 min
Response: 3736248
Conc: 18.64 ug/ml

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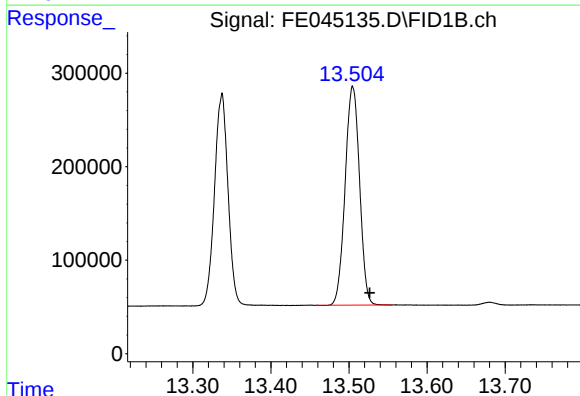
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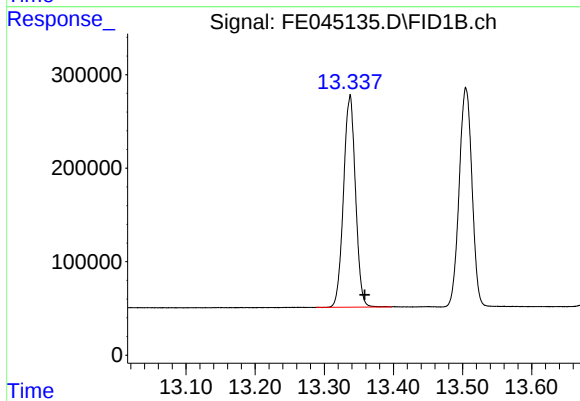
#10 n-Eicosane (C20)

R.T.: 12.892 min
Delta R.T.: -0.022 min
Response: 3090325
Conc: 18.50 ug/ml



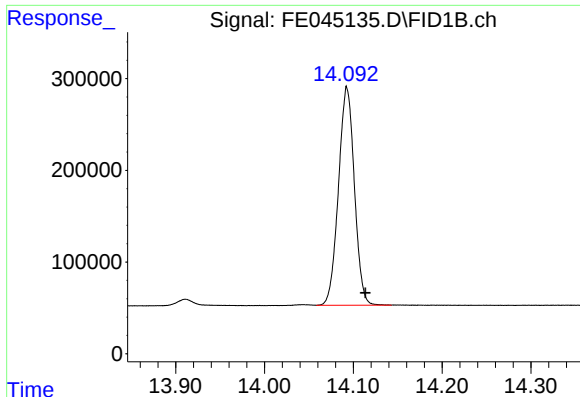
#11 n-Heneicosane (C21)

R.T.: 13.505 min
Delta R.T.: -0.022 min
Response: 3004933
Conc: 18.43 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.337 min
Delta R.T.: -0.021 min
Response: 2722624
Conc: 18.40 ug/ml



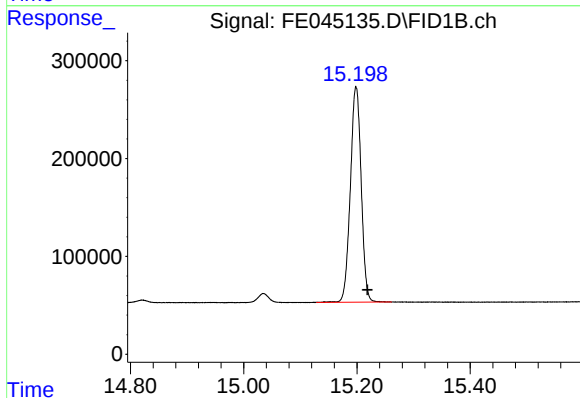
#13 n-Docosane (C22)

R.T.: 14.093 min
Delta R.T.: -0.021 min
Response: 2964958
Conc: 18.54 ug/ml

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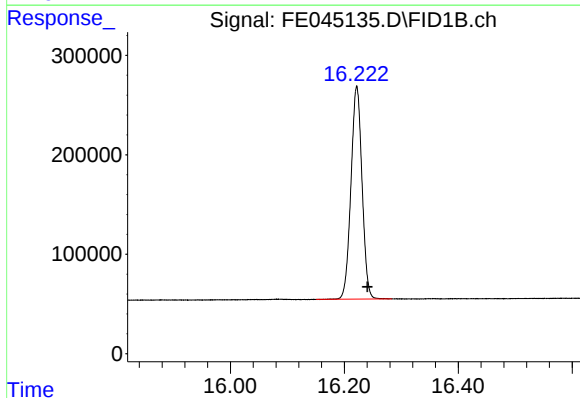
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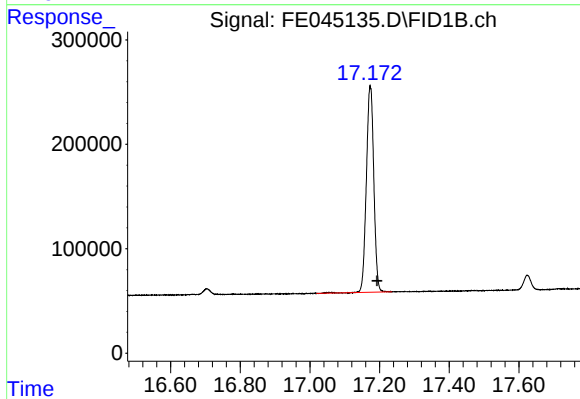
#14 n-Tetracosane (C24)

R.T.: 15.199 min
Delta R.T.: -0.020 min
Response: 2925870
Conc: 18.85 ug/ml



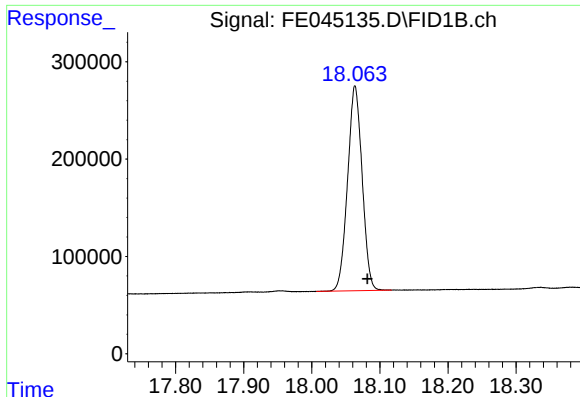
#15 n-Hexacosane (C26)

R.T.: 16.222 min
Delta R.T.: -0.019 min
Response: 2886110
Conc: 19.22 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.173 min
Delta R.T.: -0.019 min
Response: 2925196
Conc: 19.92 ug/ml



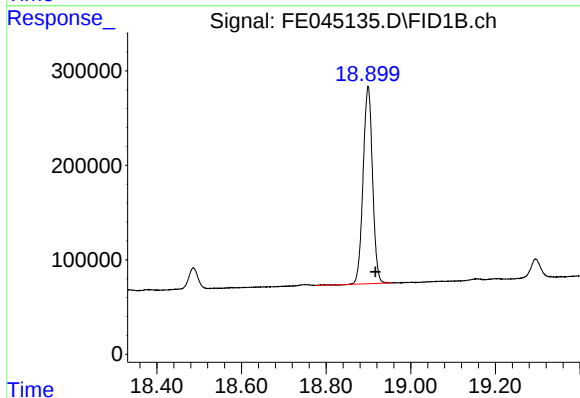
#17 n-Tricontane (C30)

R.T.: 18.063 min
Delta R.T.: -0.018 min
Response: 3124256
Conc: 21.01 ug/ml

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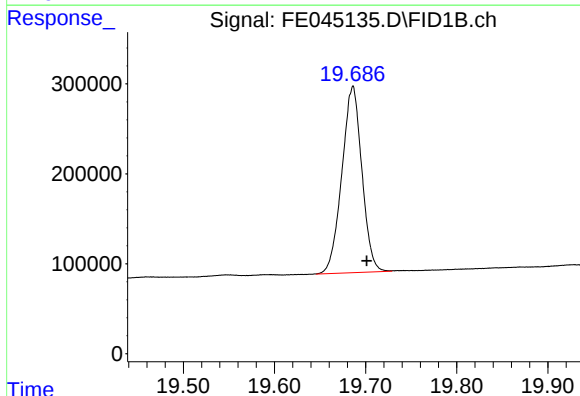
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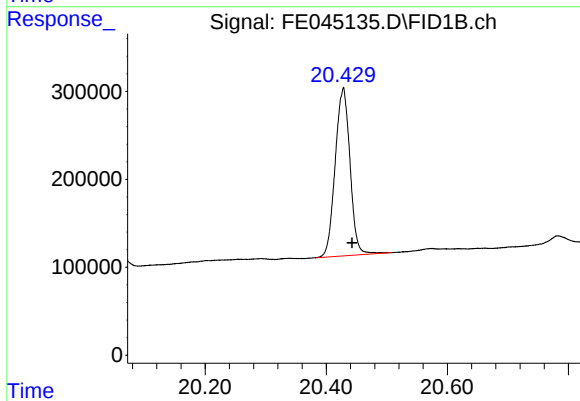
#18 n-Dotriacontane (C32)

R.T.: 18.899 min
Delta R.T.: -0.017 min
Response: 3232389
Conc: 21.54 ug/ml



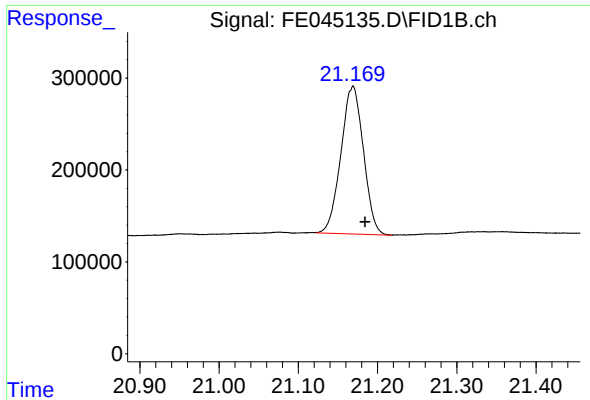
#19 n-Tetratriacontane (C34)

R.T.: 19.686 min
Delta R.T.: -0.015 min
Response: 3162166
Conc: 21.24 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.429 min
Delta R.T.: -0.014 min
Response: 3242182
Conc: 21.09 ug/ml m



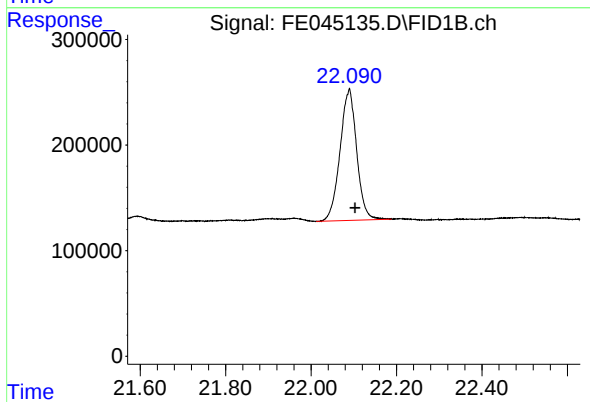
#21 n-Octatriacontane (C38)

R.T.: 21.169 min
Delta R.T.: -0.015 min
Response: 3173321
Conc: 20.31 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.090 min
Delta R.T.: -0.013 min
Response: 3358090
Conc: 20.09 ug/ml