

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE121123AL\
 Data File : FE045756.D
 Signal(s) : FID1B.ch
 Acq On : 11 Dec 2023 12:27
 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 23:44:39 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)	11.859	3860229	18.460 ug/ml
Spiked Amount 50.000		Recovery =	36.92%
12) S 1-chlorooctadecane (S...	13.303	2862937	18.195 ug/ml
Spiked Amount 50.000		Recovery =	36.39%
Target Compounds			
1) T n-Nonane (C9)	3.241	3166168	19.966 ug/mlm
2) T n-Decane (C10)	4.493	3244888	20.264 ug/ml
3) T A~Naphthalene (C11.7)	6.195	3527568	20.251 ug/ml
4) T n-Dodecane (C12)	6.661	3277340	20.290 ug/ml
5) T A~2-methylnaphthalene...	7.292	3414994	20.110 ug/ml
6) T n-Tetradecane (C14)	8.488	3255665	20.294 ug/ml
7) T n-Hexadecane (C16)	10.099	3313706	20.011 ug/ml
8) T n-Octadecane (C18)	11.545	3317229	19.348 ug/ml
10) T n-Eicosane (C20)	12.857	3207162	18.536 ug/ml
11) T n-Heneicosane (C21)	13.470	3132133	18.207 ug/ml
13) T n-Docosane (C22)	14.058	3109095	18.032 ug/ml
14) T n-Tetracosane (C24)	15.164	3086058	17.677 ug/ml
15) T n-Hexacosane (C26)	16.188	3015608	17.316 ug/ml
16) T n-Octacosane (C28)	17.140	2997148	17.341 ug/ml
17) T n-Tricontane (C30)	18.031	3086401	17.642 ug/ml
18) T n-Dotriacontane (C32)	18.866	3090878	16.942 ug/mlm
19) T n-Tetratriacontane (C34)	19.653	2957862	17.826 ug/ml
20) T n-Hexatriacontane (C36)	20.398	2906899	18.313 ug/ml
21) T n-Octatriacontane (C38)	21.134	2835364	18.080 ug/mlm
22) T n-Tetracontane (C40)	22.043	3088902	21.735 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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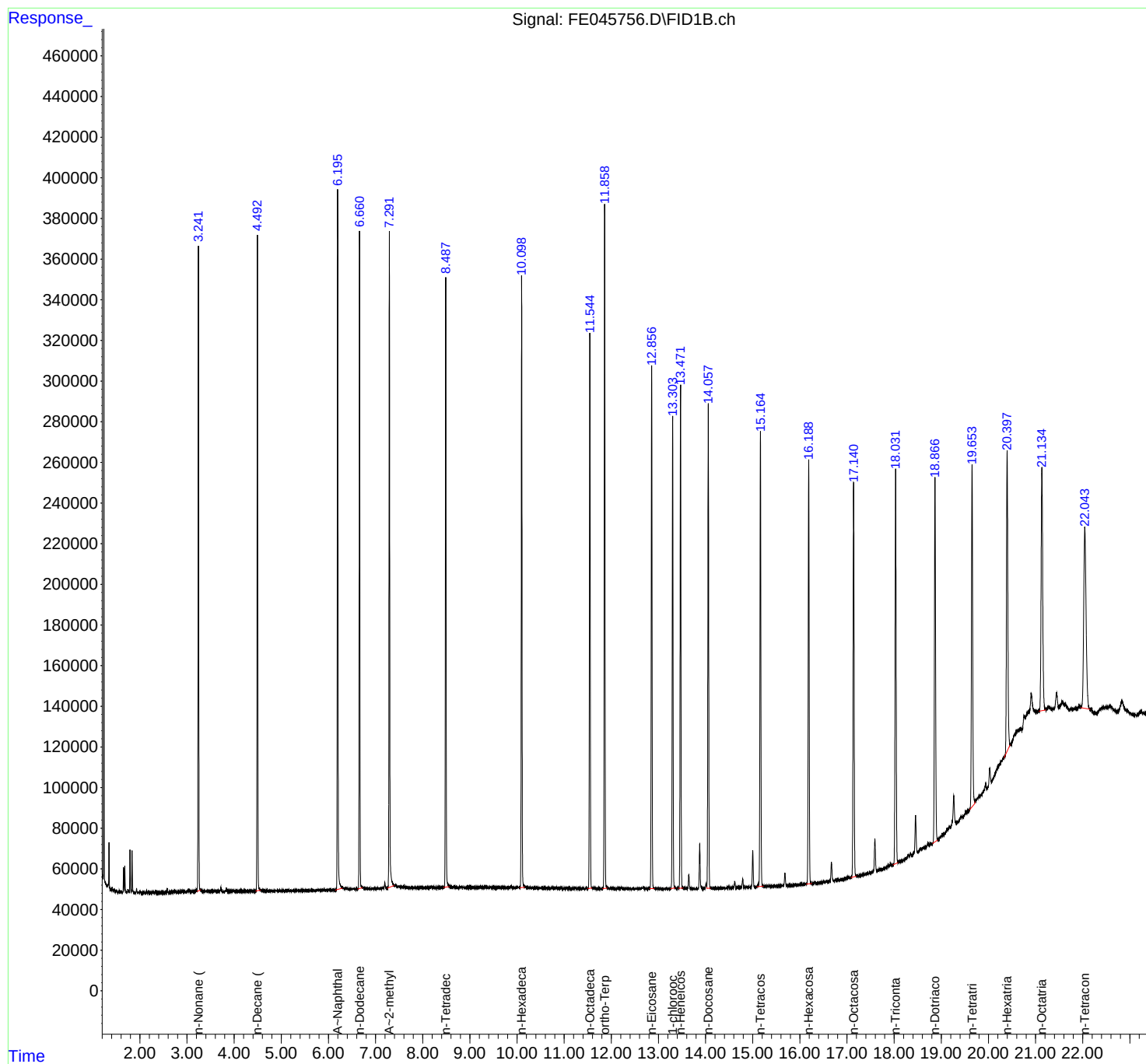
Instrument :
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20 PPM ALIPHATIC HC STD

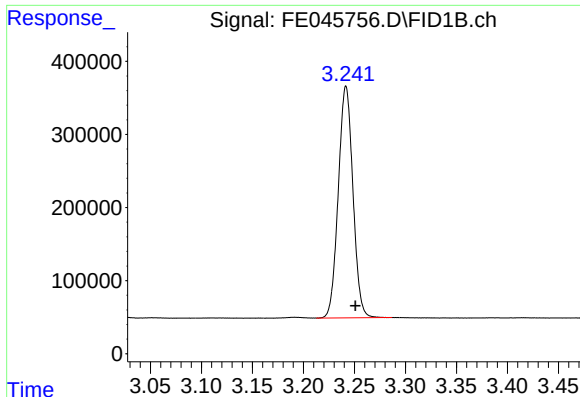
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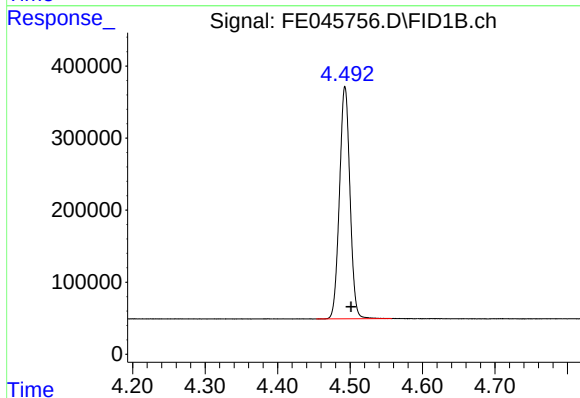
#1 n-Nonane (C9)

R.T.: 3.241 min
Delta R.T.: -0.010 min
Response: 3166168
Conc: 19.97 ug/ml

Instrument :
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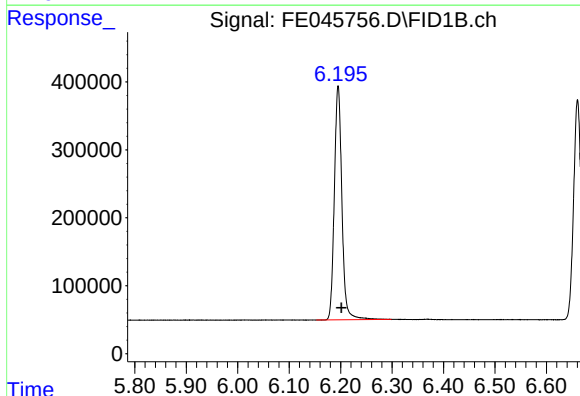
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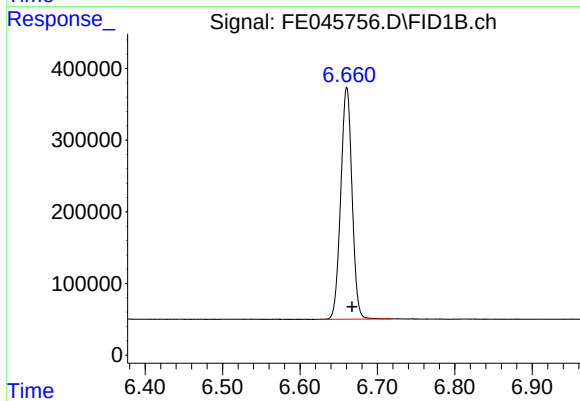
#2 n-Decane (C10)

R.T.: 4.493 min
Delta R.T.: -0.008 min
Response: 3244888
Conc: 20.26 ug/ml



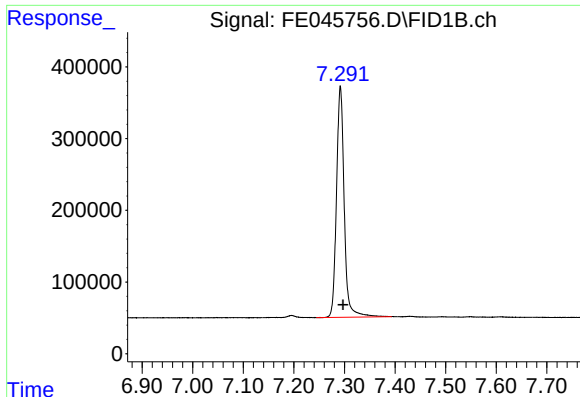
#3 A~Naphthalene (C11.7)

R.T.: 6.195 min
Delta R.T.: -0.006 min
Response: 3527568
Conc: 20.25 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.661 min
Delta R.T.: -0.007 min
Response: 3277340
Conc: 20.29 ug/ml



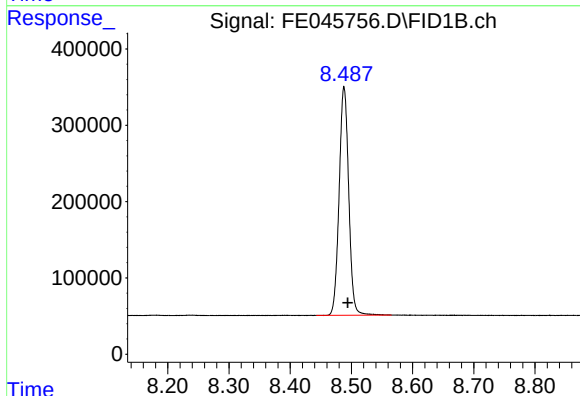
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.292 min
Delta R.T.: -0.005 min
Response: 3414994
Conc: 20.11 ug/ml

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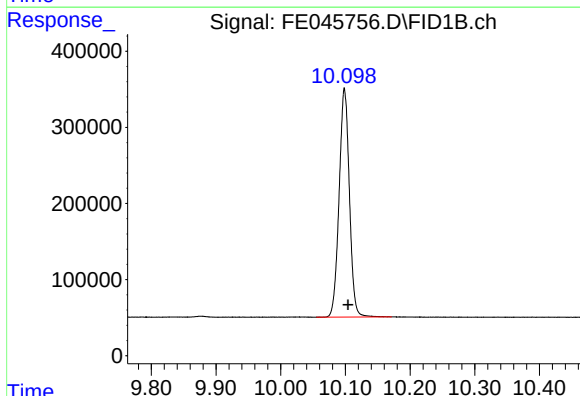
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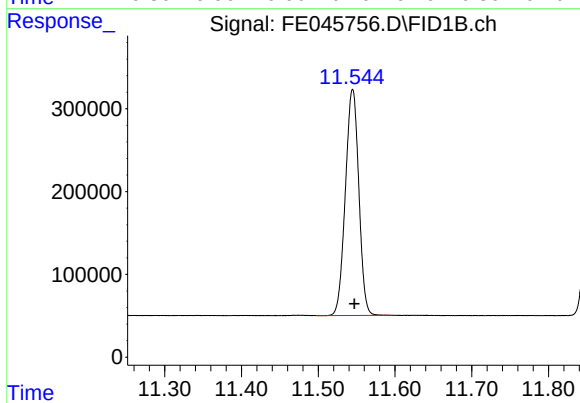
#6 n-Tetradecane (C14)

R.T.: 8.488 min
Delta R.T.: -0.006 min
Response: 3255665
Conc: 20.29 ug/ml



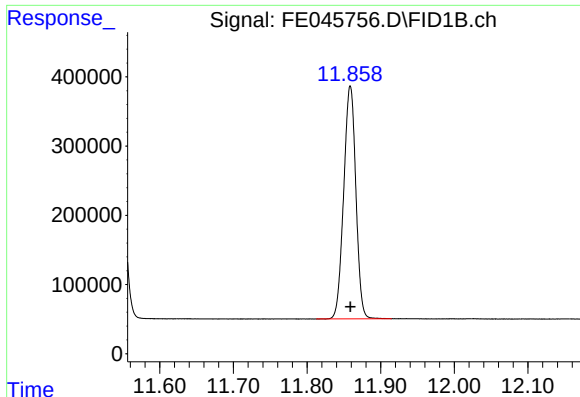
#7 n-Hexadecane (C16)

R.T.: 10.099 min
Delta R.T.: -0.005 min
Response: 3313706
Conc: 20.01 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.545 min
Delta R.T.: -0.002 min
Response: 3317229
Conc: 19.35 ug/ml



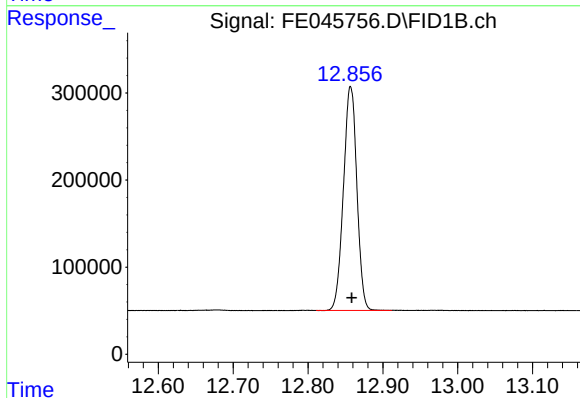
#9 ortho-Terphenyl (SURR)

R.T.: 11.859 min
Delta R.T.: 0.000 min
Response: 3860229
Conc: 18.46 ug/ml

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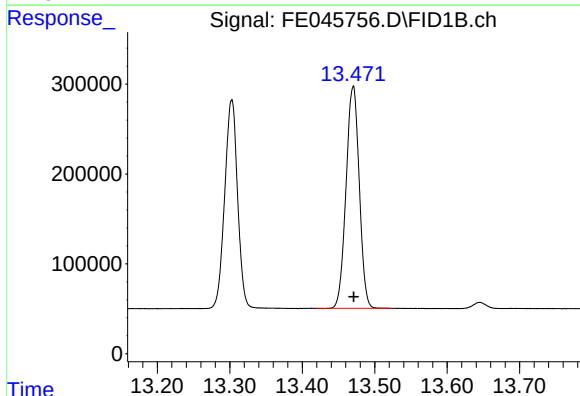
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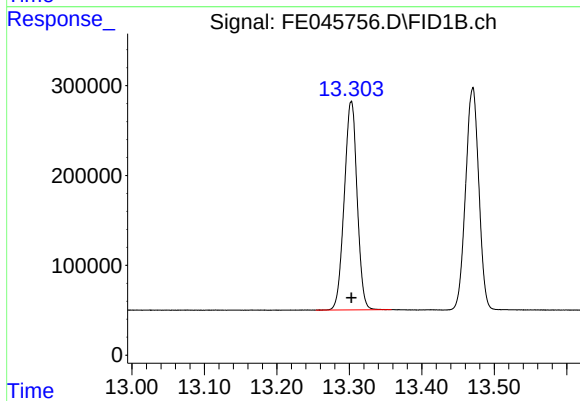
#10 n-Eicosane (C20)

R.T.: 12.857 min
Delta R.T.: -0.001 min
Response: 3207162
Conc: 18.54 ug/ml



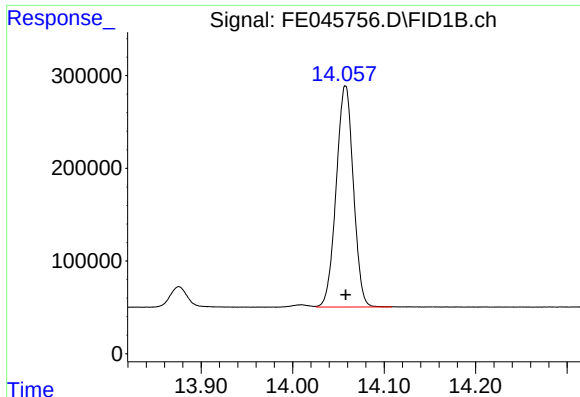
#11 n-Heneicosane (C21)

R.T.: 13.470 min
Delta R.T.: 0.000 min
Response: 3132133
Conc: 18.21 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.303 min
Delta R.T.: 0.000 min
Response: 2862937
Conc: 18.20 ug/ml



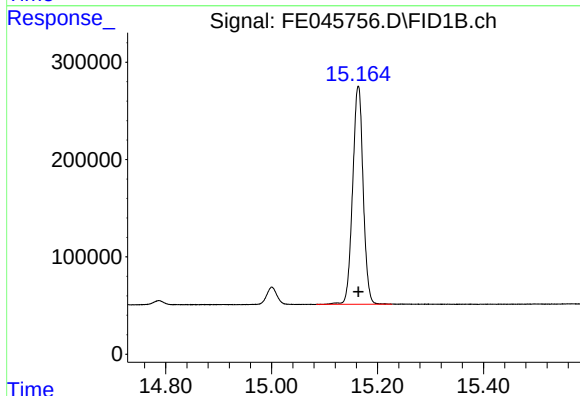
#13 n-Docosane (C22)

R.T.: 14.058 min
Delta R.T.: 0.000 min
Response: 3109095
Conc: 18.03 ug/ml

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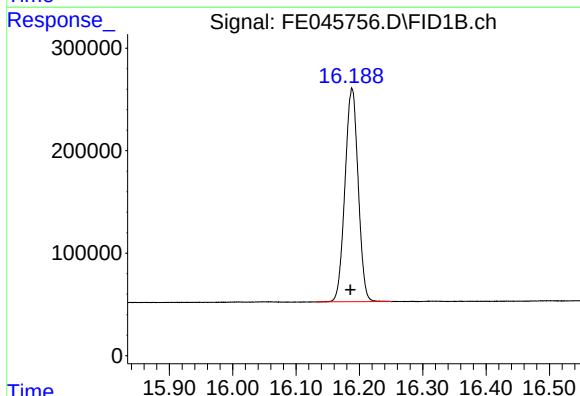
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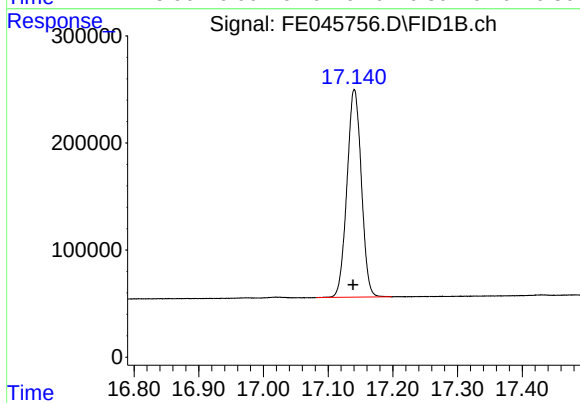
#14 n-Tetracosane (C24)

R.T.: 15.164 min
Delta R.T.: 0.000 min
Response: 3086058
Conc: 17.68 ug/ml



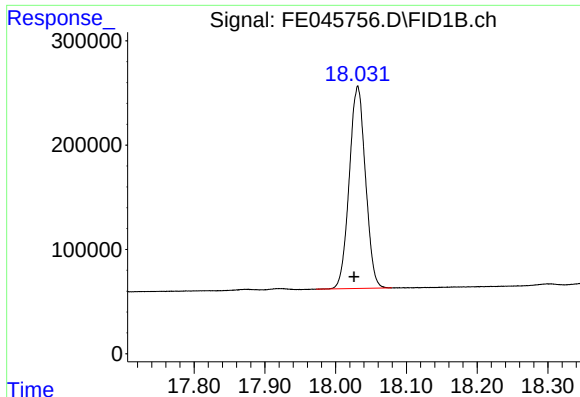
#15 n-Hexacosane (C26)

R.T.: 16.188 min
Delta R.T.: 0.002 min
Response: 3015608
Conc: 17.32 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.140 min
Delta R.T.: 0.002 min
Response: 2997148
Conc: 17.34 ug/ml



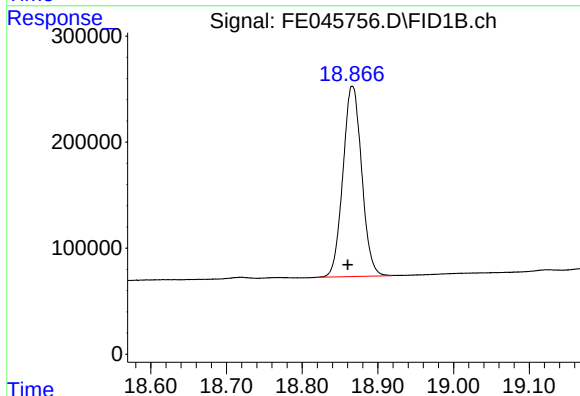
#17 n-Tricontane (C30)

R.T.: 18.031 min
Delta R.T.: 0.005 min
Response: 3086401
Conc: 17.64 ug/ml

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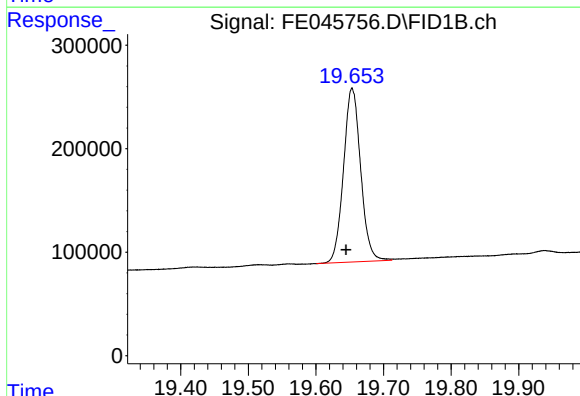
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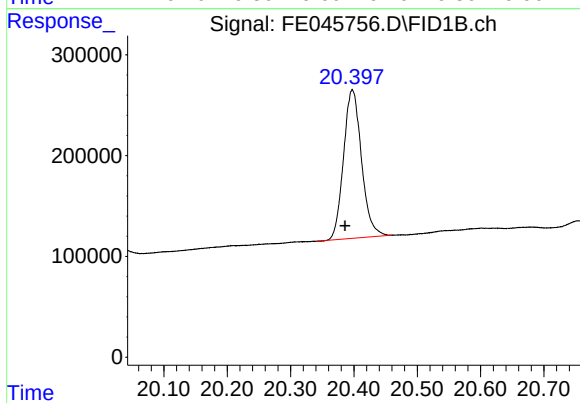
#18 n-Dotriacontane (C32)

R.T.: 18.866 min
Delta R.T.: 0.006 min
Response: 3090878
Conc: 16.94 ug/ml m



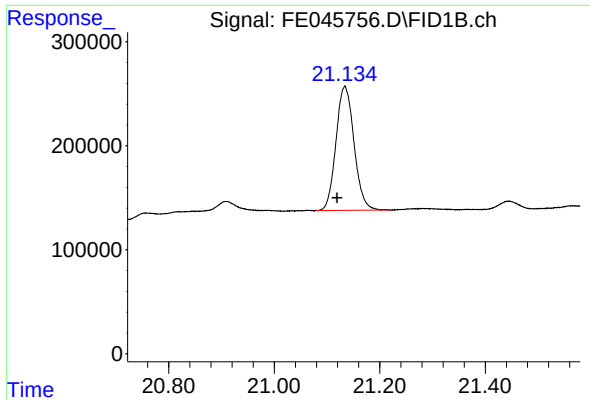
#19 n-Tetratriacontane (C34)

R.T.: 19.653 min
Delta R.T.: 0.009 min
Response: 2957862
Conc: 17.83 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.398 min
Delta R.T.: 0.011 min
Response: 2906899
Conc: 18.31 ug/ml



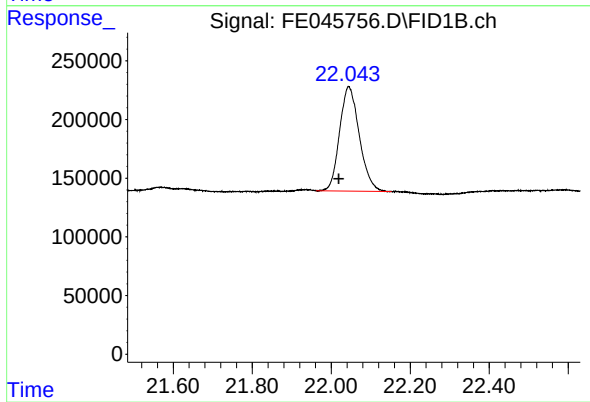
#21 n-Octatriacontane (C38)

R.T.: 21.134 min
Delta R.T.: 0.015 min
Response: 2835364
Conc: 18.08 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.043 min
Delta R.T.: 0.023 min
Response: 3088902
Conc: 21.74 ug/ml m