

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE050525AL\
 Data File : FE053640.D
 Signal(s) : FID1B.ch
 Acq On : 05 May 2025 13:44
 Operator : YP\AJ
 Sample : 20 PPM ALIPAHTIC HC STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
 Quant Time: May 06 04:18:00 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 29 06:49:03 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)	11.864	3739461	20.733 ug/ml
Spiked Amount 50.000		Recovery =	41.47%
12) S 1-chlorooctadecane (S...	13.309	2714904	20.084 ug/ml
Spiked Amount 50.000		Recovery =	40.17%
Target Compounds			
1) T n-Nonane (C9)	3.211	2969480	21.659 ug/ml
2) T n-Decane (C10)	4.473	3007670	21.742 ug/ml
3) T A~Naphthalene (C11.7)	6.185	3315808	21.967 ug/ml
4) T n-Dodecane (C12)	6.654	3061615	21.830 ug/ml
5) T A~2-methylnaphthalene...	7.288	3283584	21.993 ug/ml
6) T n-Tetradecane (C14)	8.489	3052934	21.762 ug/ml
7) T n-Hexadecane (C16)	10.102	3078146	21.477 ug/ml
8) T n-Octadecane (C18)	11.550	3077942	21.120 ug/ml
10) T n-Eicosane (C20)	12.864	3016435	20.730 ug/ml
11) T n-Heneicosane (C21)	13.477	2981318	20.583 ug/ml
13) T n-Docosane (C22)	14.065	2941830	20.386 ug/ml
14) T n-Tetracosane (C24)	15.170	2871675	19.992 ug/ml
15) T n-Hexacosane (C26)	16.194	2799096	19.764 ug/ml
16) T n-Octacosane (C28)	17.146	2740127	19.695 ug/ml
17) T n-Tricontane (C30)	18.036	2739707	19.682 ug/ml
18) T n-Dotriacontane (C32)	18.871	2722959	19.831 ug/ml
19) T n-Tetratriacontane (C34)	19.658	2547099	19.549 ug/ml
20) T n-Hexatriacontane (C36)	20.399	2395564	18.975 ug/ml
21) T n-Octatriacontane (C38)	21.132	2248621	18.457 ug/ml
22) T n-Tetracontane (C40)	22.036	2022969	16.940 ug/ml

(f)=RT Delta > 1/2 Window

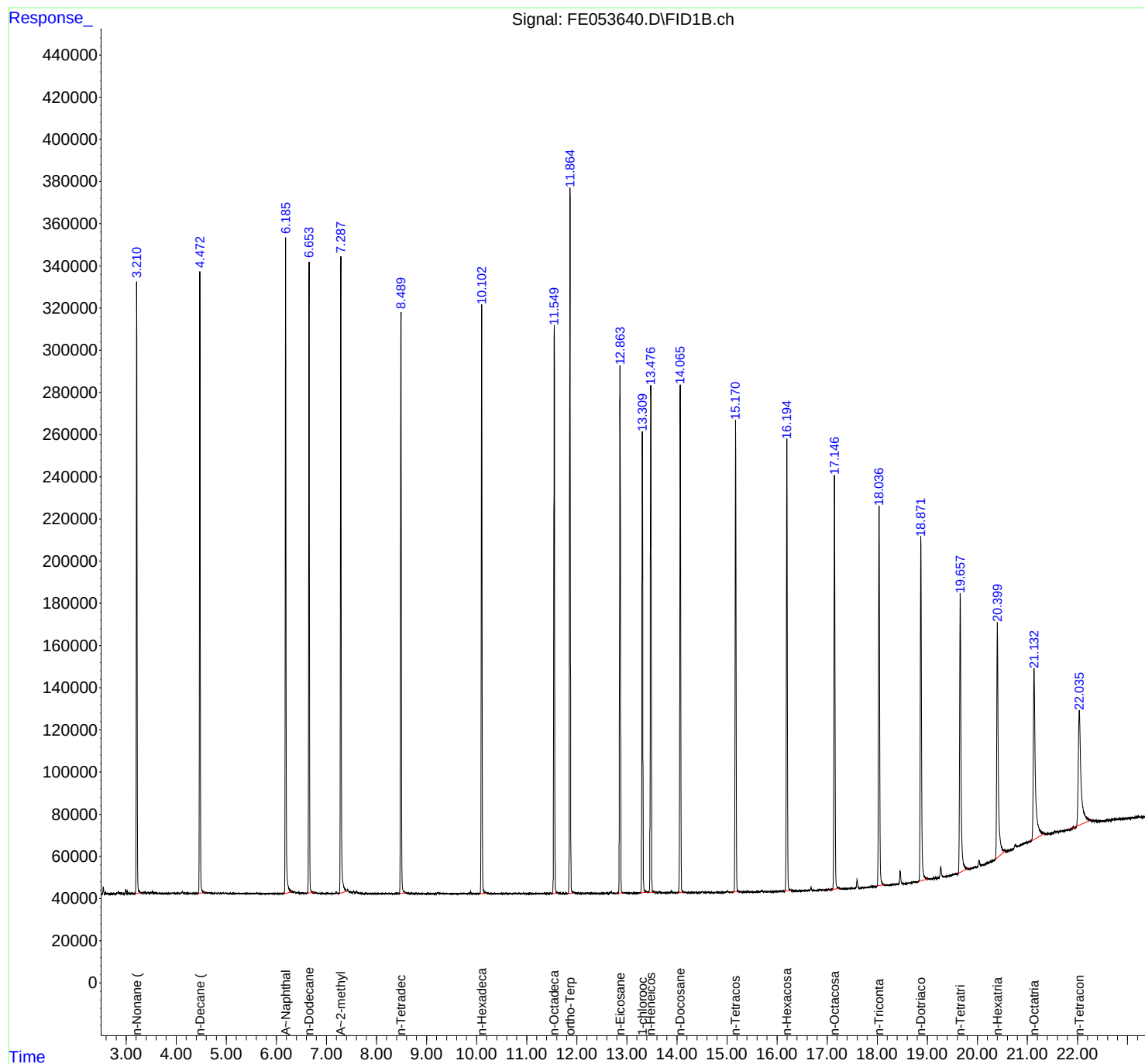
(m)=manual int.

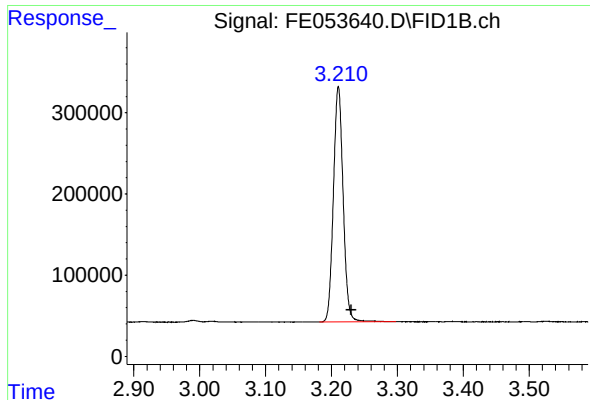
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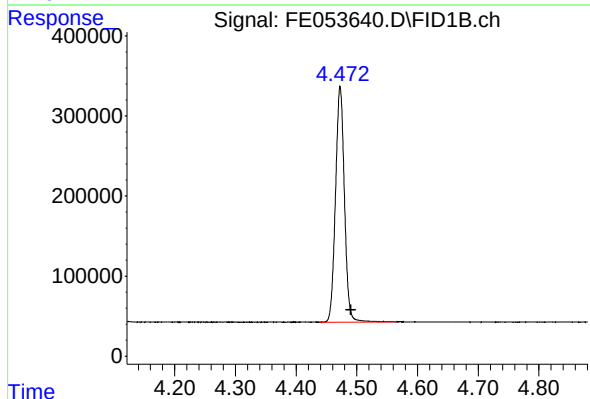




#1 n-Nonane (C9)

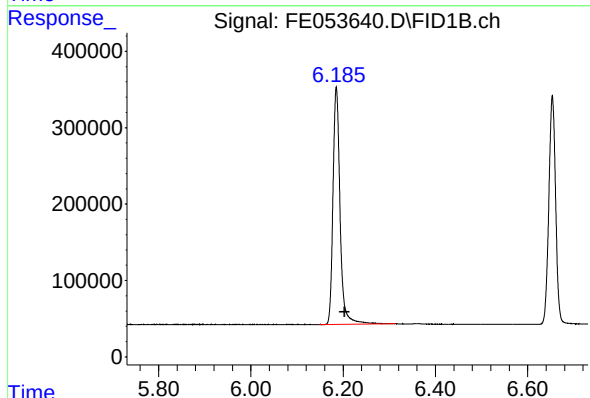
R.T.: 3.211 min
Delta R.T.: -0.019 min
Response: 2969480
Conc: 21.66 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD



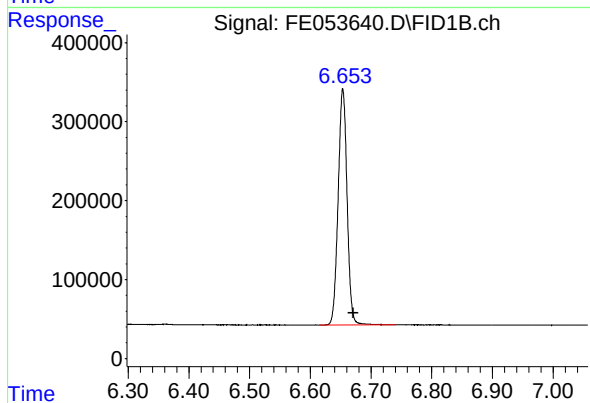
#2 n-Decane (C10)

R.T.: 4.473 min
Delta R.T.: -0.018 min
Response: 3007670
Conc: 21.74 ug/ml



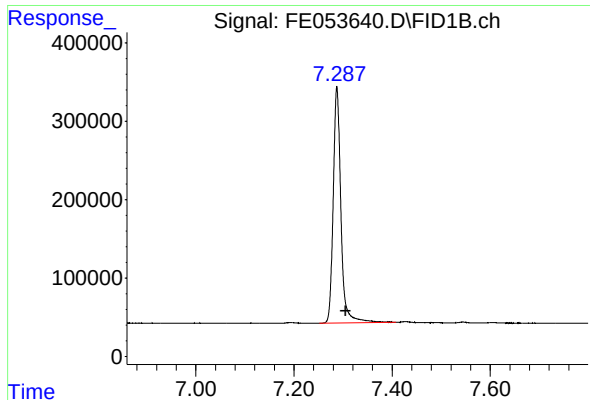
#3 A~Naphthalene (C11.7)

R.T.: 6.185 min
Delta R.T.: -0.018 min
Response: 3315808
Conc: 21.97 ug/ml



#4 n-Dodecane (C12)

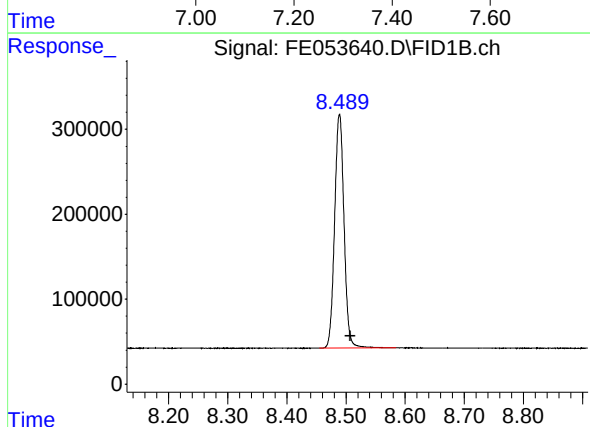
R.T.: 6.654 min
Delta R.T.: -0.017 min
Response: 3061615
Conc: 21.83 ug/ml



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

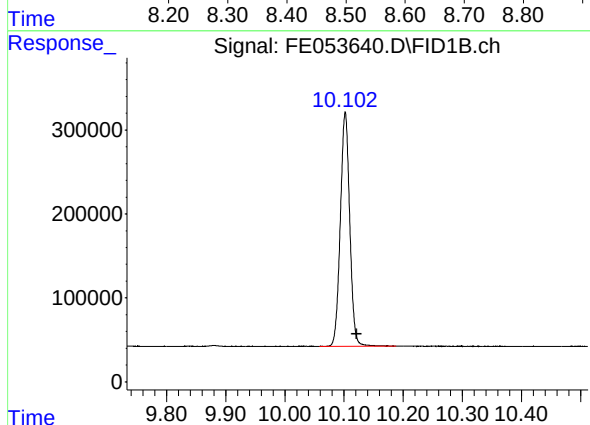
R.T.: 7.288 min
Delta R.T.: -0.018 min
Response: 3283584
Conc: 21.99 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD



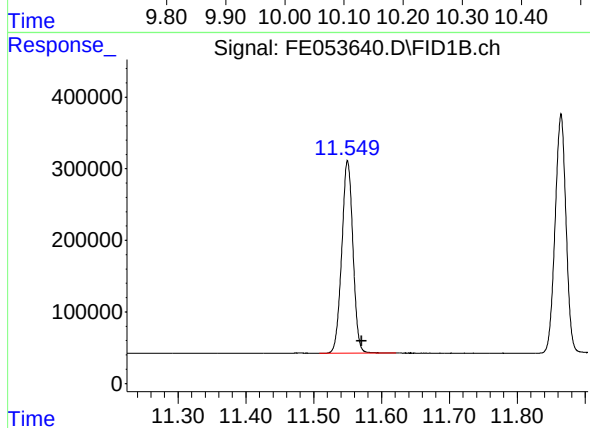
#6 n-Tetradecane (C14)

R.T.: 8.489 min
Delta R.T.: -0.019 min
Response: 3052934
Conc: 21.76 ug/ml



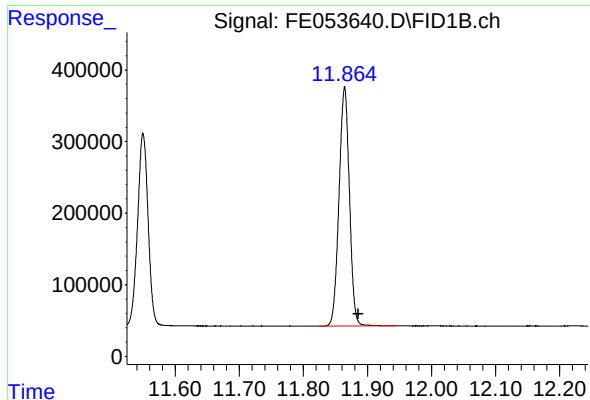
#7 n-Hexadecane (C16)

R.T.: 10.102 min
Delta R.T.: -0.019 min
Response: 3078146
Conc: 21.48 ug/ml



#8 n-Octadecane (C18)

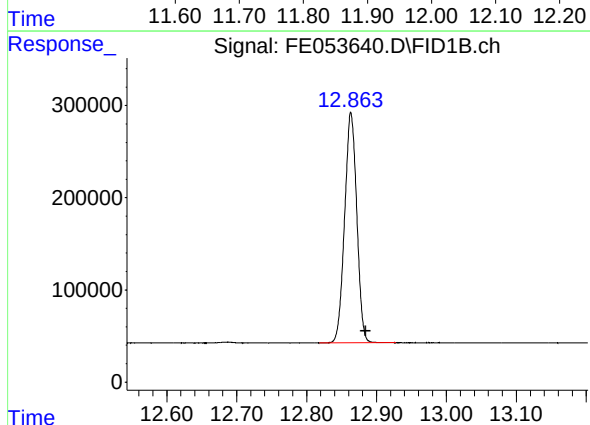
R.T.: 11.550 min
Delta R.T.: -0.021 min
Response: 3077942
Conc: 21.12 ug/ml



#9 ortho-Terphenyl (SURR)

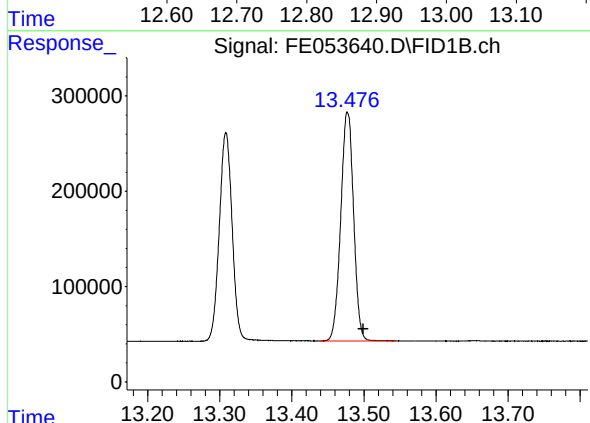
R.T.: 11.864 min
Delta R.T.: -0.021 min
Response: 3739461
Conc: 20.73 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD



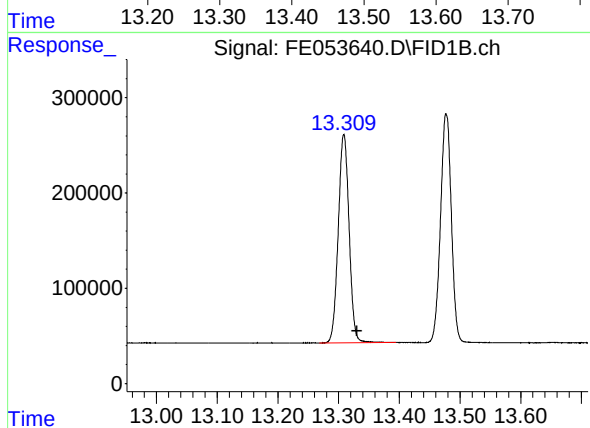
#10 n-Eicosane (C20)

R.T.: 12.864 min
Delta R.T.: -0.021 min
Response: 3016435
Conc: 20.73 ug/ml



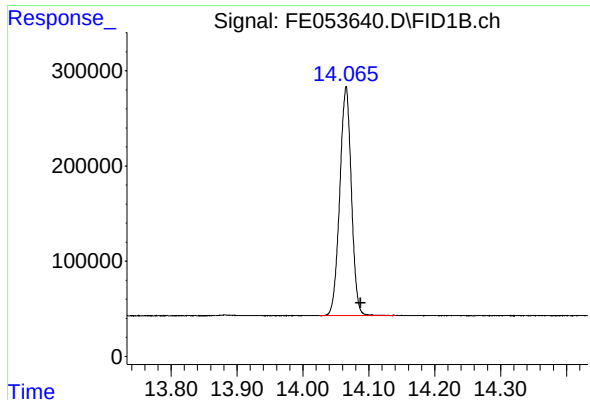
#11 n-Heneicosane (C21)

R.T.: 13.477 min
Delta R.T.: -0.022 min
Response: 2981318
Conc: 20.58 ug/ml



#12 1-chlorooctadecane (SURR)

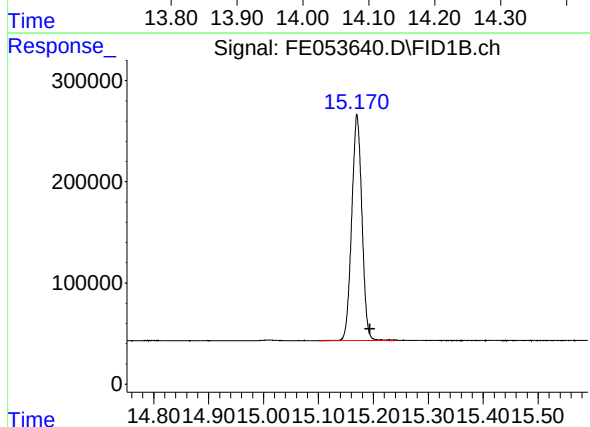
R.T.: 13.309 min
Delta R.T.: -0.022 min
Response: 2714904
Conc: 20.08 ug/ml



#13 n-Docosane (C22)

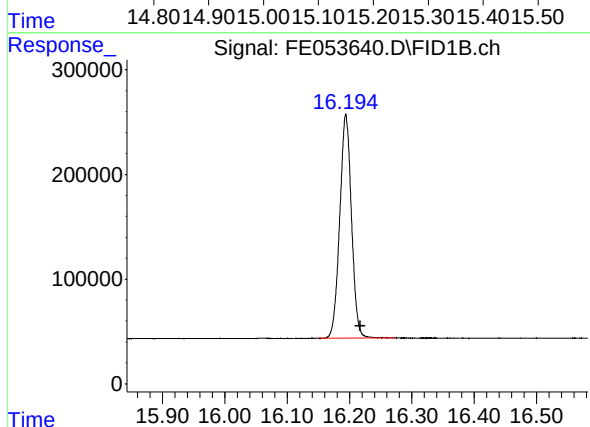
R.T.: 14.065 min
Delta R.T.: -0.022 min
Response: 2941830
Conc: 20.39 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD



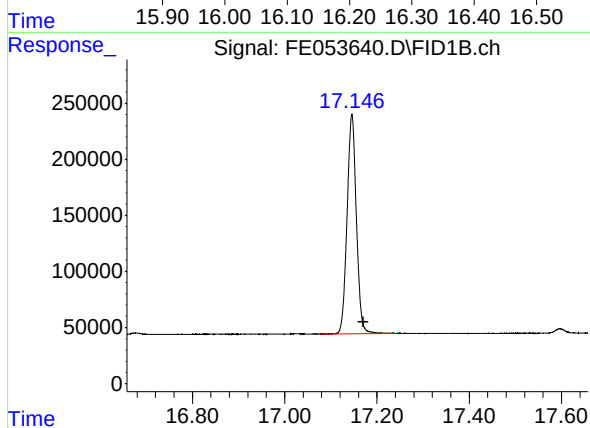
#14 n-Tetracosane (C24)

R.T.: 15.170 min
Delta R.T.: -0.023 min
Response: 2871675
Conc: 19.99 ug/ml



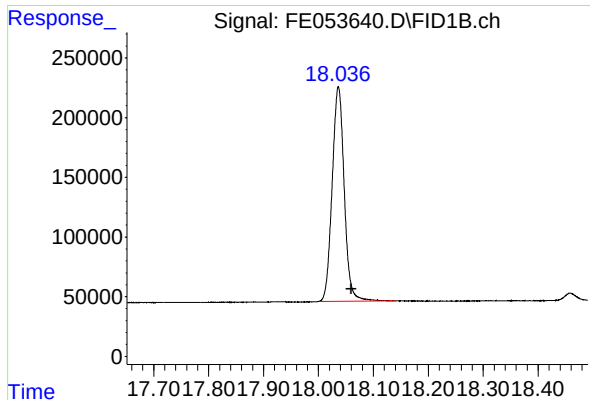
#15 n-Hexacosane (C26)

R.T.: 16.194 min
Delta R.T.: -0.023 min
Response: 2799096
Conc: 19.76 ug/ml



#16 n-Octacosane (C28)

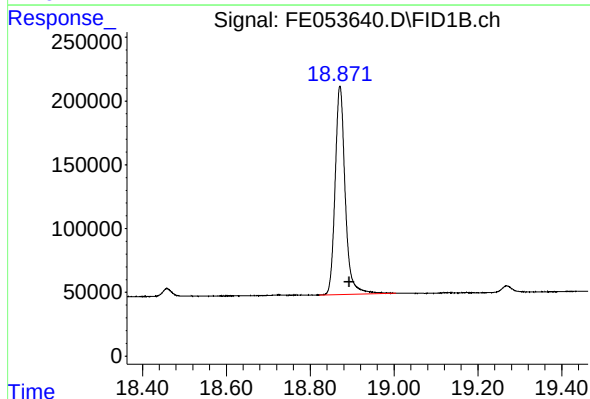
R.T.: 17.146 min
Delta R.T.: -0.024 min
Response: 2740127
Conc: 19.70 ug/ml



#17 n-Tricontane (C30)

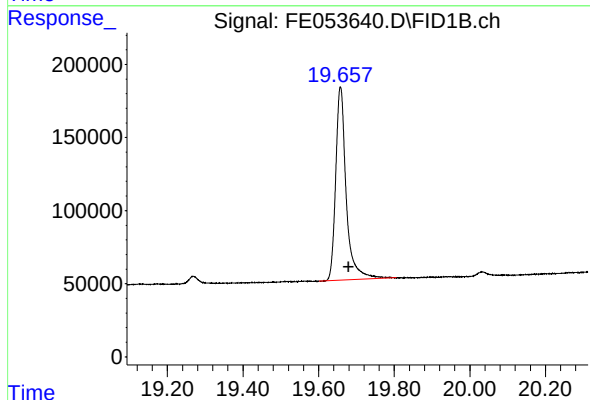
R.T.: 18.036 min
Delta R.T.: -0.023 min
Response: 2739707
Conc: 19.68 ug/ml

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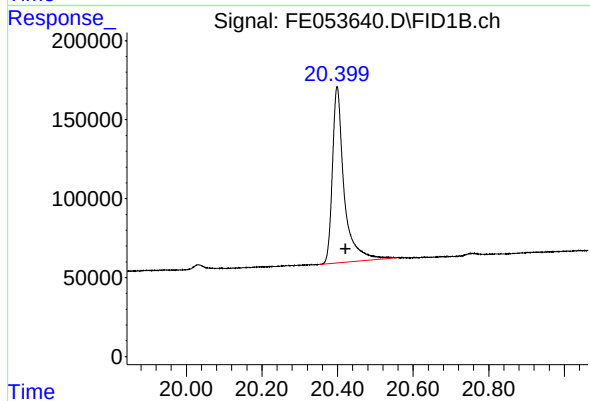
#18 n-Dotriacontane (C32)

R.T.: 18.871 min
Delta R.T.: -0.022 min
Response: 2722959
Conc: 19.83 ug/ml



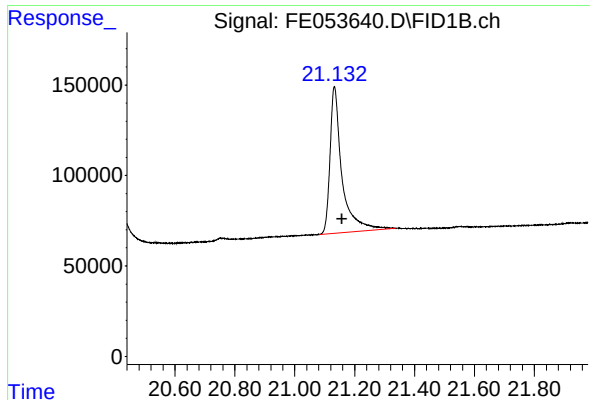
#19 n-Tetatriacontane (C34)

R.T.: 19.658 min
Delta R.T.: -0.022 min
Response: 2547099
Conc: 19.55 ug/ml



#20 n-Hexatriacontane (C36)

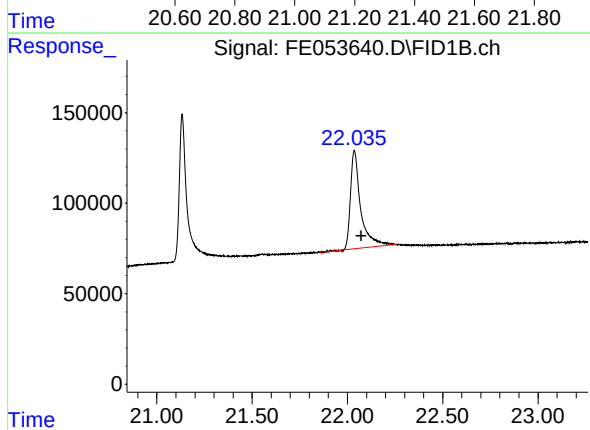
R.T.: 20.399 min
Delta R.T.: -0.023 min
Response: 2395564
Conc: 18.98 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.132 min
Delta R.T.: -0.026 min
Response: 2248621
Conc: 18.46 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD



#22 n-Tetracontane (C40)

R.T.: 22.036 min
Delta R.T.: -0.037 min
Response: 2022969
Conc: 16.94 ug/ml