

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE050225AL\
 Data File : FE053633.D
 Signal(s) : FID1B.ch
 Acq On : 02 May 2025 21:25
 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

Integration File: autoint1.e
 Quant Time: May 03 00:29:11 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)	11.863	3191550	17.695 ug/ml
Spiked Amount 50.000		Recovery =	35.39%
12) S 1-chlorooctadecane (S...	13.309	2372878	17.554 ug/ml
Spiked Amount 50.000		Recovery =	35.11%
Target Compounds			
1) T n-Nonane (C9)	3.211	2430705	17.729 ug/ml
2) T n-Decane (C10)	4.472	2519959	18.216 ug/ml
3) T A~Naphthalene (C11.7)	6.185	2746537	18.196 ug/ml
4) T n-Dodecane (C12)	6.653	2572624	18.343 ug/ml
5) T A~2-methylnaphthalene...	7.287	2720968	18.224 ug/ml
6) T n-Tetradecane (C14)	8.488	2577289	18.371 ug/ml
7) T n-Hexadecane (C16)	10.102	2608257	18.199 ug/ml
8) T n-Octadecane (C18)	11.549	2623429	18.002 ug/ml
10) T n-Eicosane (C20)	12.863	2588025	17.786 ug/ml
11) T n-Heneicosane (C21)	13.476	2562264	17.690 ug/ml
13) T n-Docosane (C22)	14.064	2545036	17.637 ug/ml
14) T n-Tetracosane (C24)	15.170	2529845	17.612 ug/ml
15) T n-Hexacosane (C26)	16.193	2499054	17.645 ug/ml
16) T n-Octacosane (C28)	17.145	2566339	18.446 ug/ml
17) T n-Tricontane (C30)	18.034	2753621	19.782 ug/ml
18) T n-Dotriacontane (C32)	18.869	2843458	20.709 ug/ml
19) T n-Tetratriacontane (C34)	19.653	2677335	20.548 ug/ml
20) T n-Hexatriacontane (C36)	20.395	2570920	20.364 ug/ml
21) T n-Octatriacontane (C38)	21.128	2452139	20.127 ug/ml
22) T n-Tetracontane (C40)	22.031	2373586	19.876 ug/ml

(f)=RT Delta > 1/2 Window

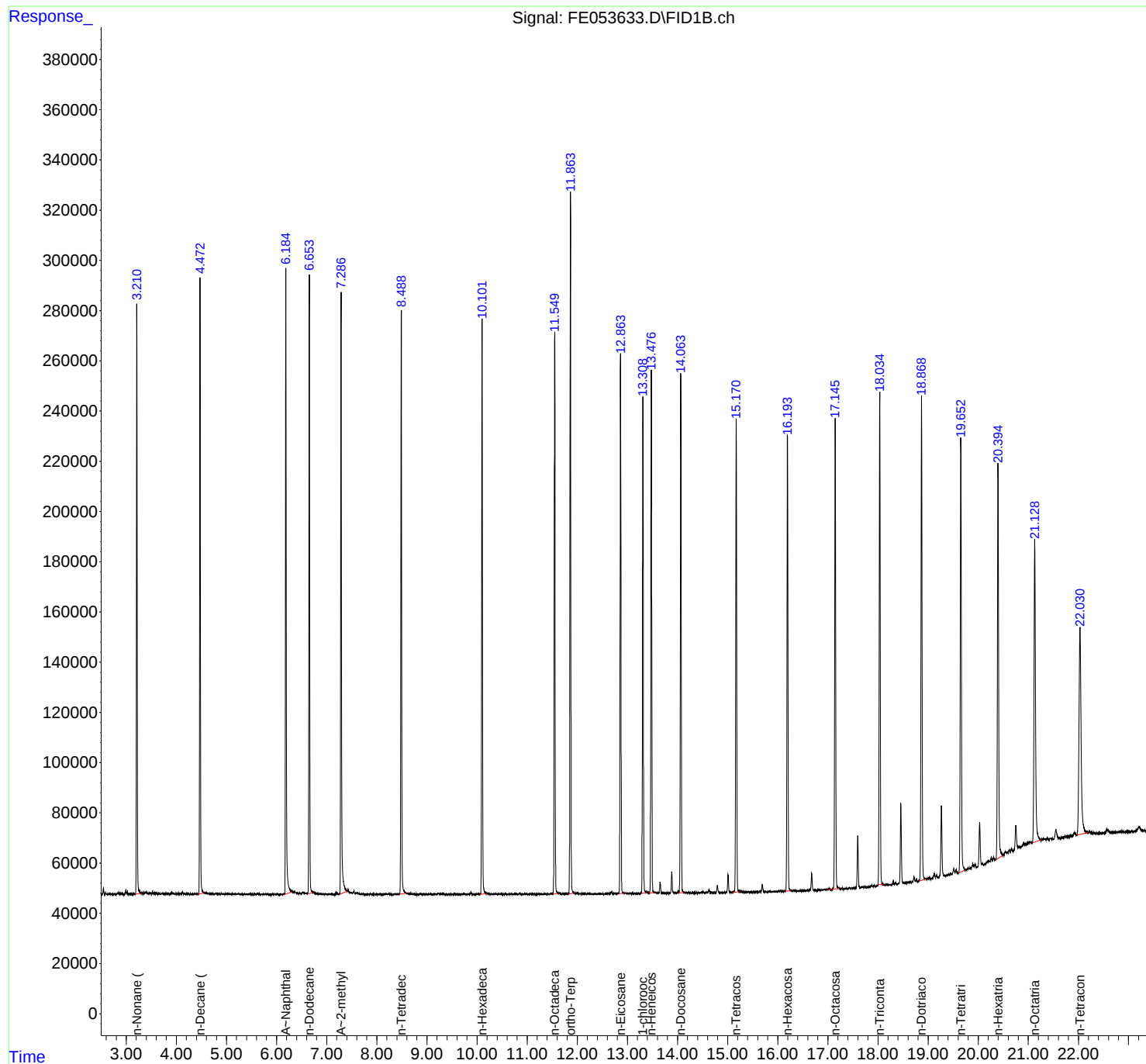
(m)=manual int.

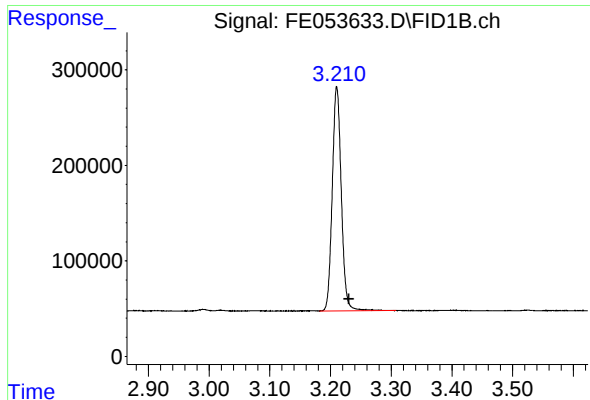
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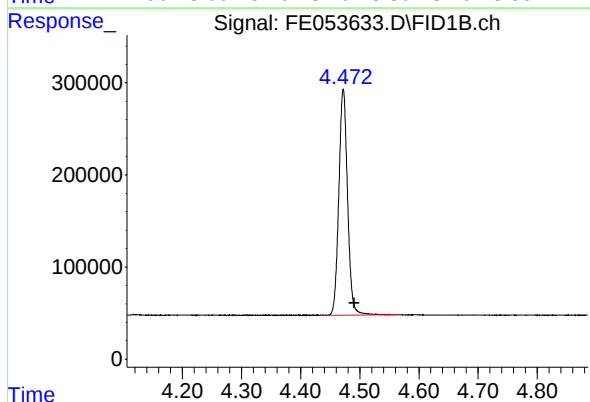




#1 n-Nonane (C9)

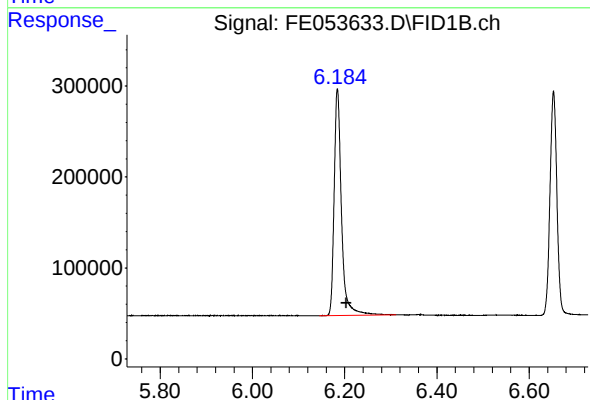
R.T.: 3.211 min
Delta R.T.: -0.019 min
Response: 2430705
Conc: 17.73 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD



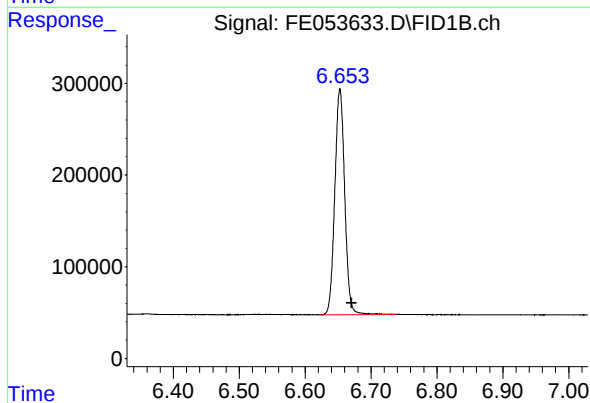
#2 n-Decane (C10)

R.T.: 4.472 min
Delta R.T.: -0.019 min
Response: 2519959
Conc: 18.22 ug/ml



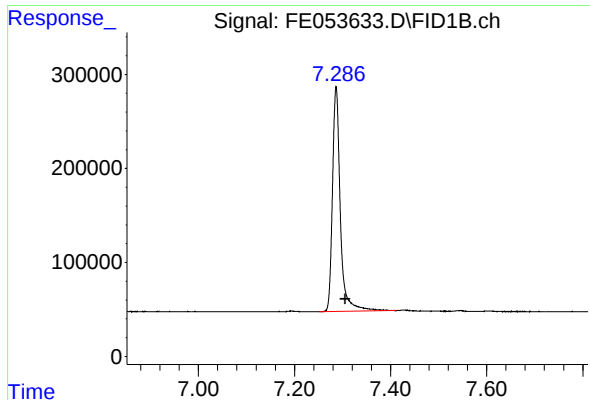
#3 A~Naphthalene (C11.7)

R.T.: 6.185 min
Delta R.T.: -0.019 min
Response: 2746537
Conc: 18.20 ug/ml



#4 n-Dodecane (C12)

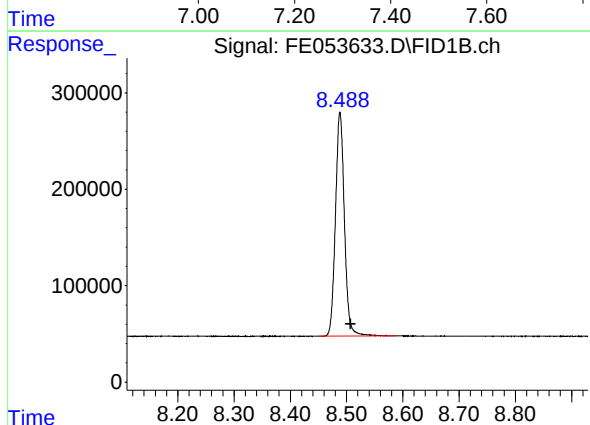
R.T.: 6.653 min
Delta R.T.: -0.018 min
Response: 2572624
Conc: 18.34 ug/ml



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

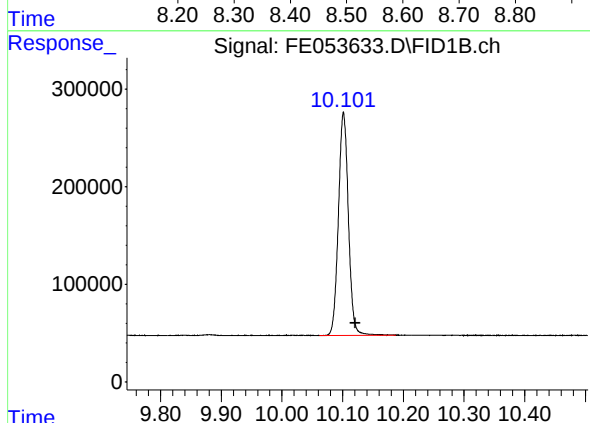
R.T.: 7.287 min
Delta R.T.: -0.019 min
Response: 2720968
Conc: 18.22 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD



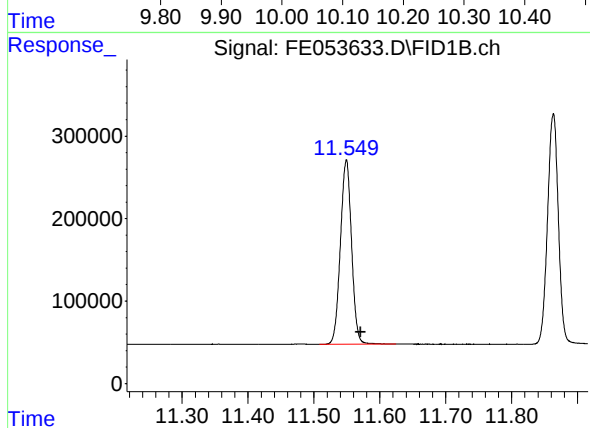
#6 n-Tetradecane (C14)

R.T.: 8.488 min
Delta R.T.: -0.019 min
Response: 2577289
Conc: 18.37 ug/ml



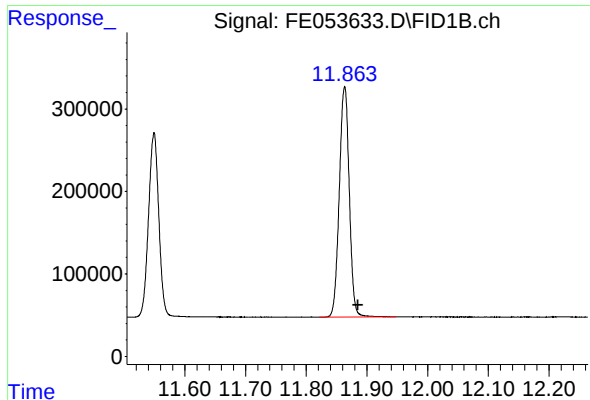
#7 n-Hexadecane (C16)

R.T.: 10.102 min
Delta R.T.: -0.019 min
Response: 2608257
Conc: 18.20 ug/ml



#8 n-Octadecane (C18)

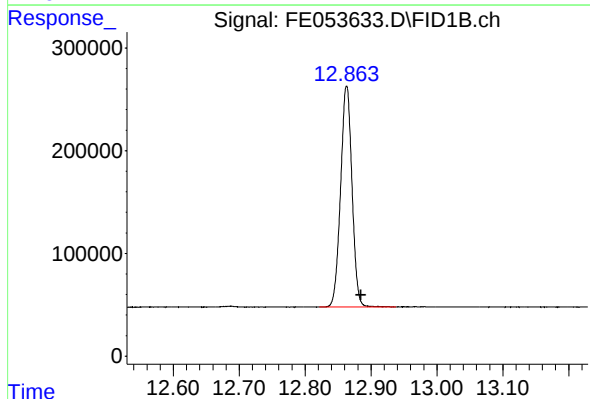
R.T.: 11.549 min
Delta R.T.: -0.022 min
Response: 2623429
Conc: 18.00 ug/ml



#9 ortho-Terphenyl (SURR)

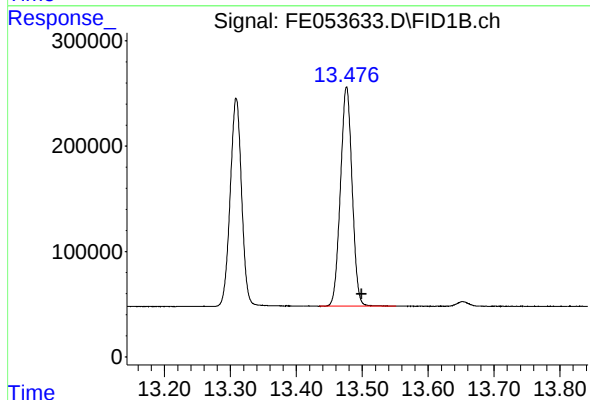
R.T.: 11.863 min
Delta R.T.: -0.023 min
Response: 3191550
Conc: 17.70 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD



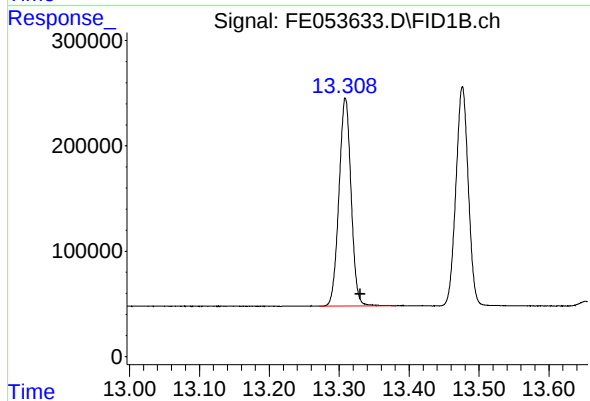
#10 n-Eicosane (C20)

R.T.: 12.863 min
Delta R.T.: -0.022 min
Response: 2588025
Conc: 17.79 ug/ml



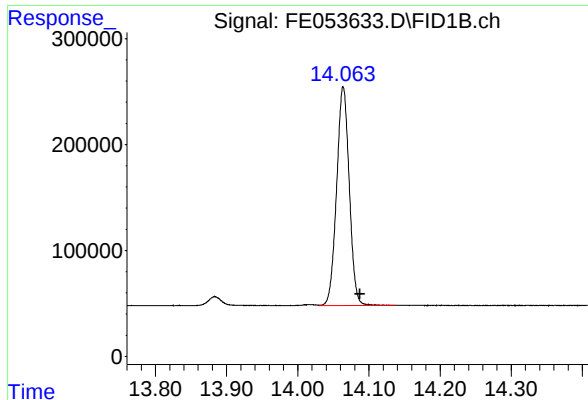
#11 n-Heneicosane (C21)

R.T.: 13.476 min
Delta R.T.: -0.023 min
Response: 2562264
Conc: 17.69 ug/ml



#12 1-chlorooctadecane (SURR)

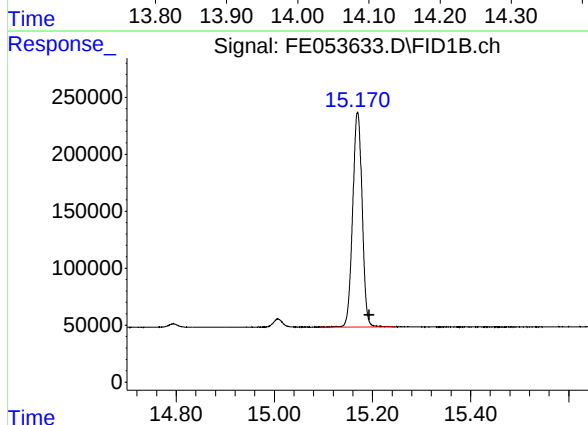
R.T.: 13.309 min
Delta R.T.: -0.022 min
Response: 2372878
Conc: 17.55 ug/ml



#13 n-Docosane (C22)

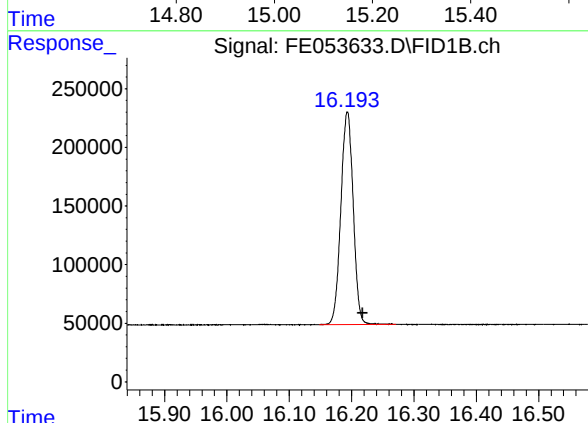
R.T.: 14.064 min
Delta R.T.: -0.023 min
Response: 2545036
Conc: 17.64 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD



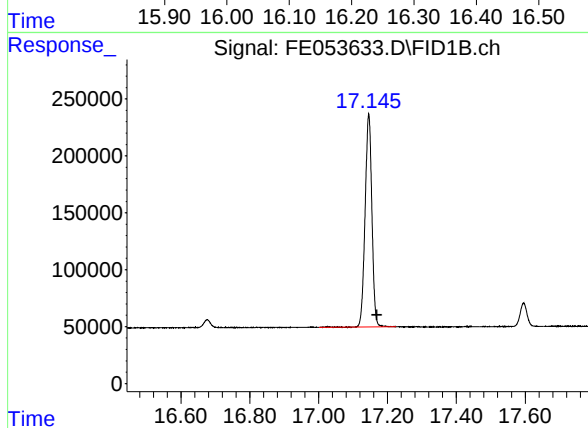
#14 n-Tetracosane (C24)

R.T.: 15.170 min
Delta R.T.: -0.024 min
Response: 2529845
Conc: 17.61 ug/ml



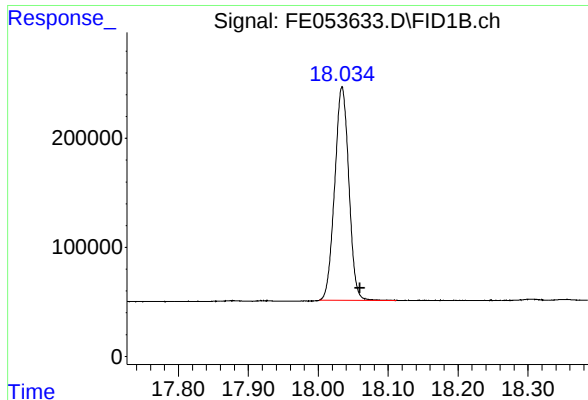
#15 n-Hexacosane (C26)

R.T.: 16.193 min
Delta R.T.: -0.024 min
Response: 2499054
Conc: 17.65 ug/ml



#16 n-Octacosane (C28)

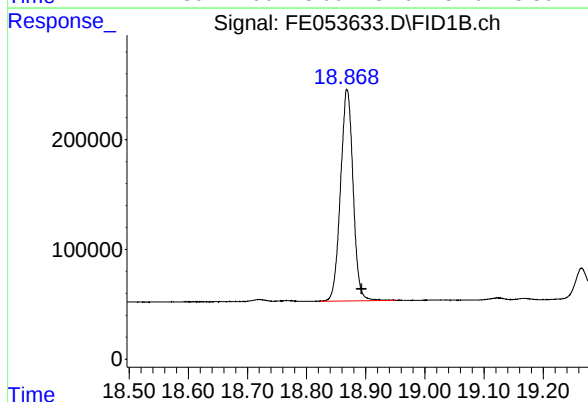
R.T.: 17.145 min
Delta R.T.: -0.024 min
Response: 2566339
Conc: 18.45 ug/ml



#17 n-Tricontane (C30)

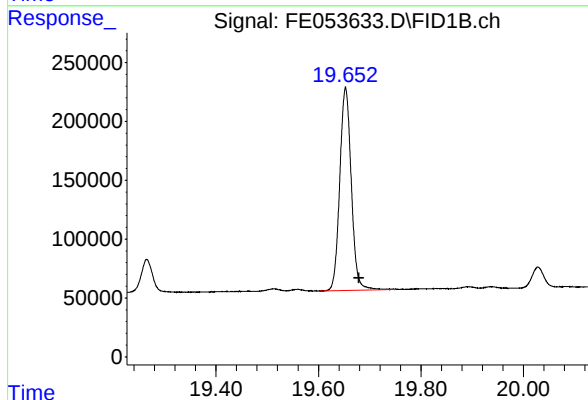
R.T.: 18.034 min
Delta R.T.: -0.026 min
Response: 2753621
Conc: 19.78 ug/ml

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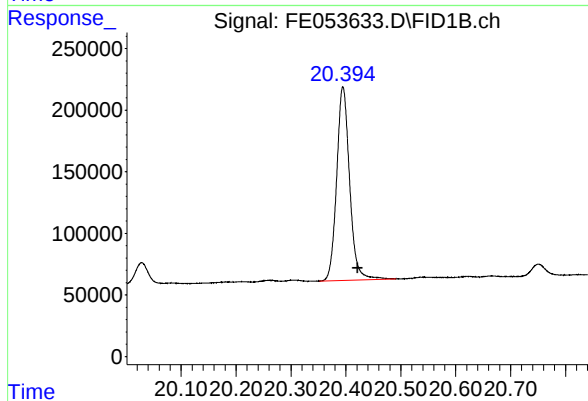
#18 n-Dotriacontane (C32)

R.T.: 18.869 min
Delta R.T.: -0.025 min
Response: 2843458
Conc: 20.71 ug/ml



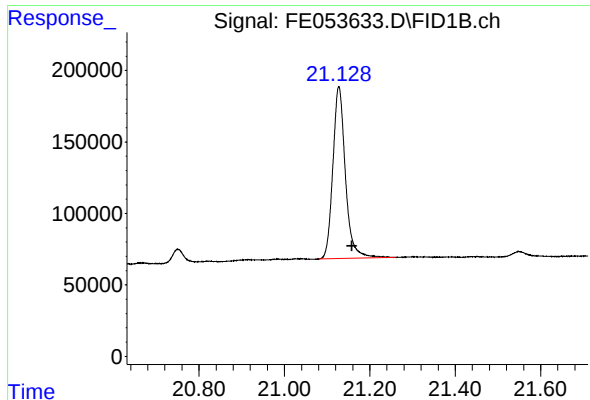
#19 n-Tetatriacontane (C34)

R.T.: 19.653 min
Delta R.T.: -0.027 min
Response: 2677335
Conc: 20.55 ug/ml



#20 n-Hexatriacontane (C36)

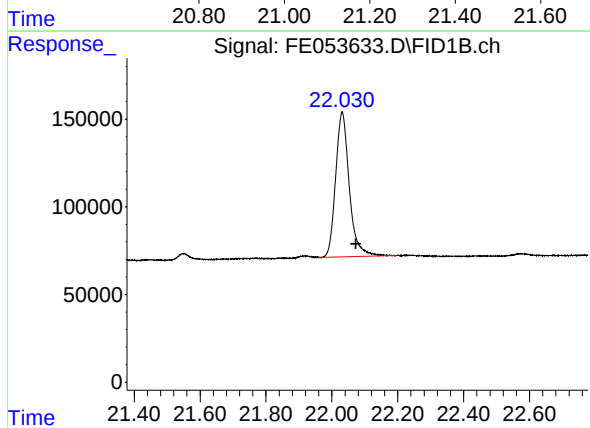
R.T.: 20.395 min
Delta R.T.: -0.027 min
Response: 2570920
Conc: 20.36 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.128 min
Delta R.T.: -0.031 min
Response: 2452139
Conc: 20.13 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.031 min
Delta R.T.: -0.042 min
Response: 2373586
Conc: 19.88 ug/ml