

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE051925AL\
 Data File : FE053907.D
 Signal(s) : FID1B.ch
 Acq On : 19 May 2025 23:01
 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

Integration File: autoint1.e
 Quant Time: May 20 01:28:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051425.M
 Quant Title : GC Extractables
 QLast Update : Wed May 14 12:15:41 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)	11.848	3134072	19.285 ug/ml
Spiked Amount 50.000		Recovery =	38.57%
12) S 1-chlorooctadecane (S...	13.294	2300561	19.406 ug/ml
Spiked Amount 50.000		Recovery =	38.81%
Target Compounds			
1) T n-Nonane (C9)	3.197	2560156	18.943 ug/ml
2) T n-Decane (C10)	4.458	2586031	19.137 ug/ml
3) T A~Naphthalene (C11.7)	6.172	2778383	19.333 ug/ml
4) T n-Dodecane (C12)	6.639	2628316	19.268 ug/ml
5) T A~2-methylnaphthalene...	7.274	2684490	19.354 ug/ml
6) T n-Tetradecane (C14)	8.474	2609789	19.339 ug/ml
7) T n-Hexadecane (C16)	10.087	2618681	19.407 ug/ml
8) T n-Octadecane (C18)	11.534	2602774	19.328 ug/ml
10) T n-Eicosane (C20)	12.848	2538856	19.317 ug/ml
11) T n-Heneicosane (C21)	13.462	2510156	19.362 ug/ml
13) T n-Docosane (C22)	14.049	2480191	19.441 ug/ml
14) T n-Tetracosane (C24)	15.155	2436072	19.470 ug/ml
15) T n-Hexacosane (C26)	16.178	2385725	19.483 ug/ml
16) T n-Octacosane (C28)	17.130	2358592	19.402 ug/ml
17) T n-Tricontane (C30)	18.020	2406955	19.323 ug/ml
18) T n-Dotriacontane (C32)	18.854	2443683	19.541 ug/ml
19) T n-Tetratriacontane (C34)	19.639	2334458	19.597 ug/ml
20) T n-Hexatriacontane (C36)	20.381	2261932	19.535 ug/ml
21) T n-Octatriacontane (C38)	21.113	2207507	20.285 ug/ml
22) T n-Tetracontane (C40)	22.008	2054156	20.701 ug/ml

(f)=RT Delta > 1/2 Window

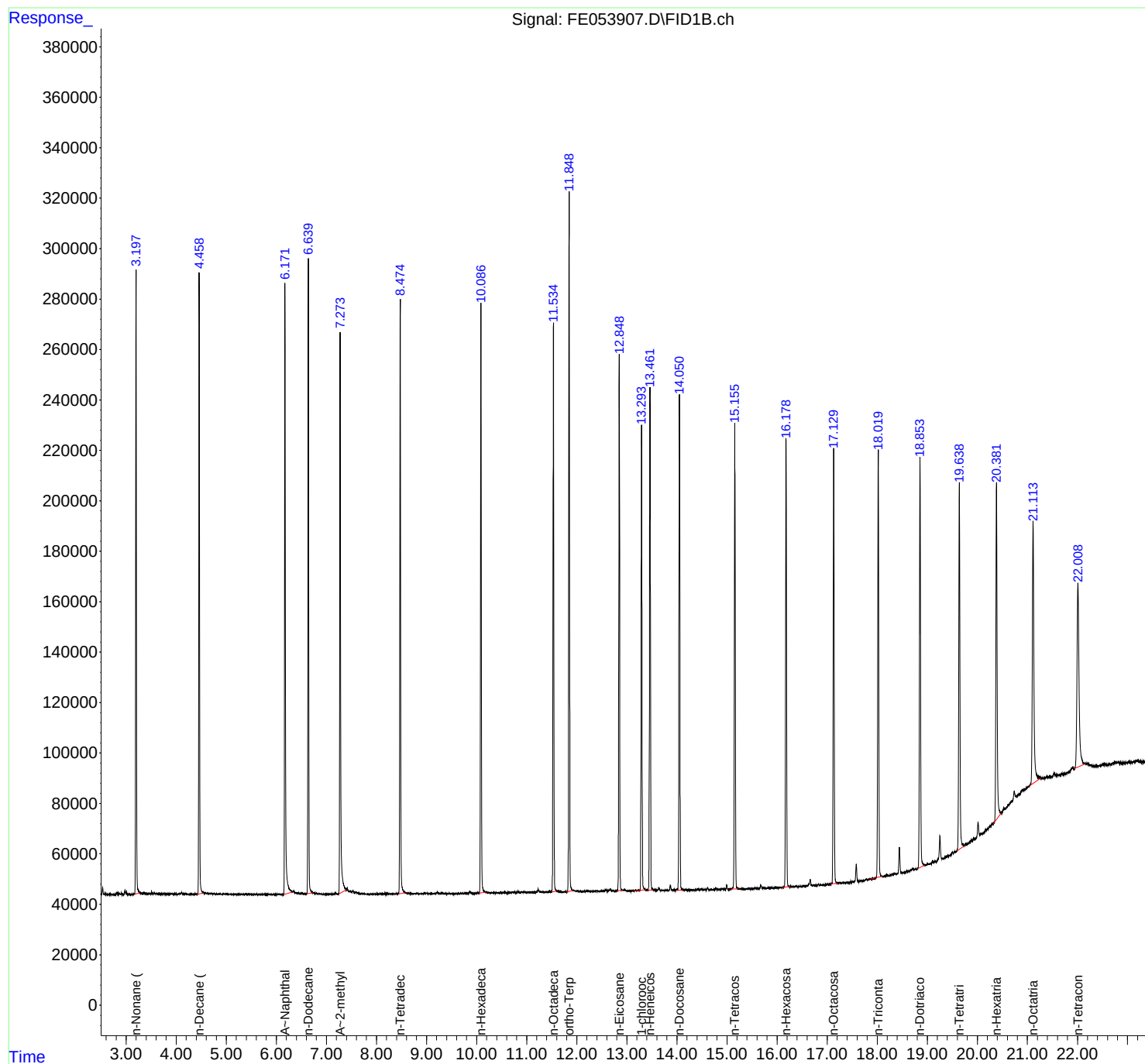
(m)=manual int.

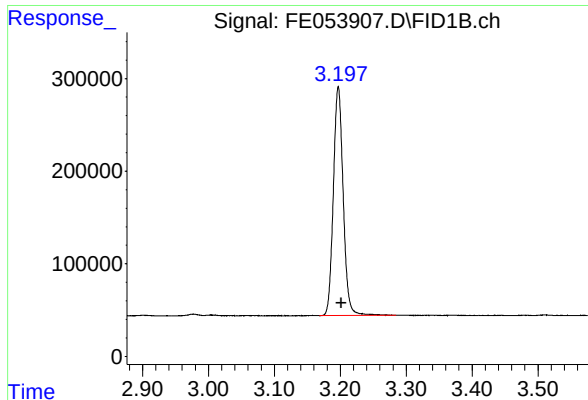
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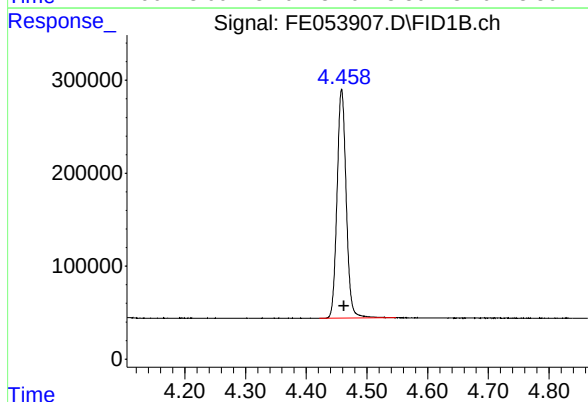




#1 n-Nonane (C9)

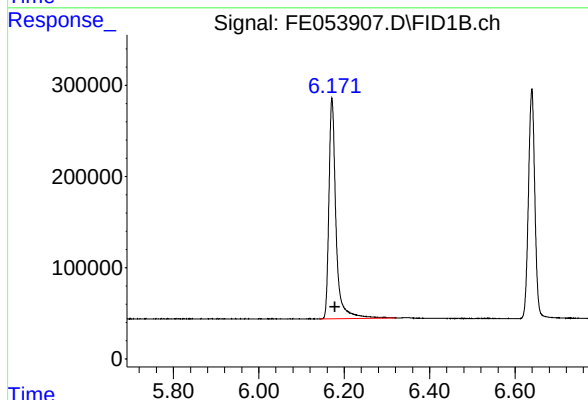
R.T.: 3.197 min
Delta R.T.: -0.005 min
Response: 2560156
Conc: 18.94 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD



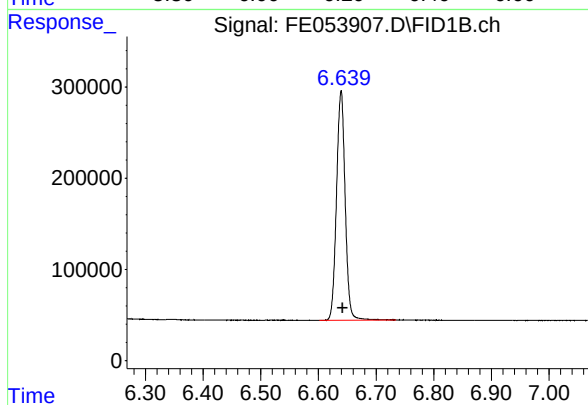
#2 n-Decane (C10)

R.T.: 4.458 min
Delta R.T.: -0.004 min
Response: 2586031
Conc: 19.14 ug/ml



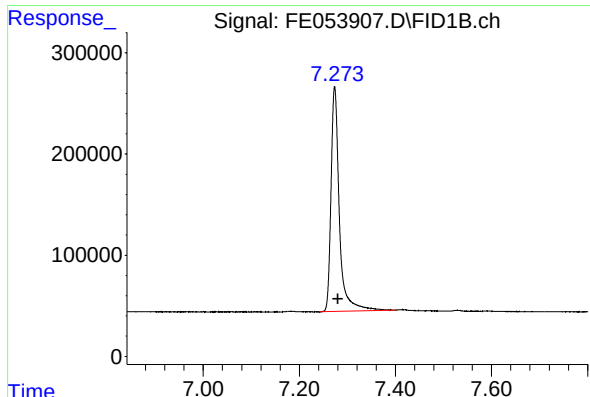
#3 A~Naphthalene (C11.7)

R.T.: 6.172 min
Delta R.T.: -0.007 min
Response: 2778383
Conc: 19.33 ug/ml



#4 n-Dodecane (C12)

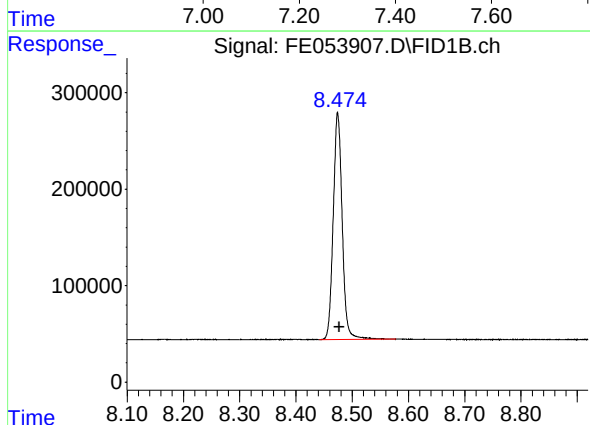
R.T.: 6.639 min
Delta R.T.: -0.003 min
Response: 2628316
Conc: 19.27 ug/ml



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

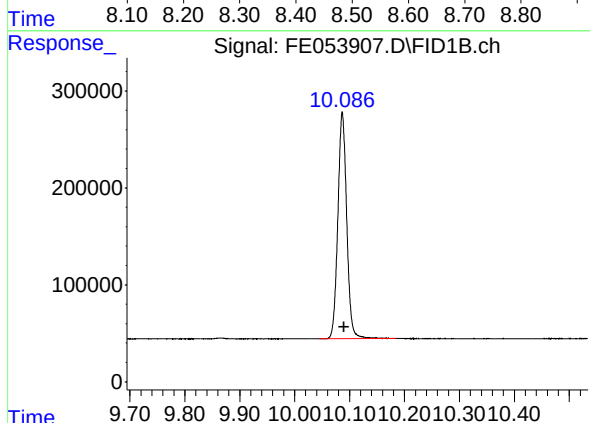
R.T.: 7.274 min
Delta R.T.: -0.006 min
Response: 2684490
Conc: 19.35 ug/ml

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20 PPM ALIPHATIC HC STD



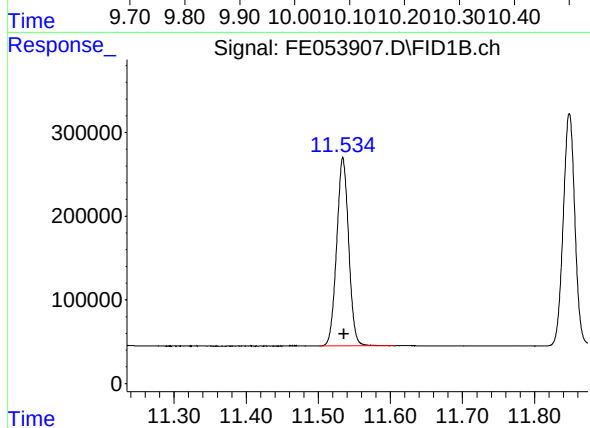
#6 n-Tetradecane (C14)

R.T.: 8.474 min
Delta R.T.: -0.003 min
Response: 2609789
Conc: 19.34 ug/ml



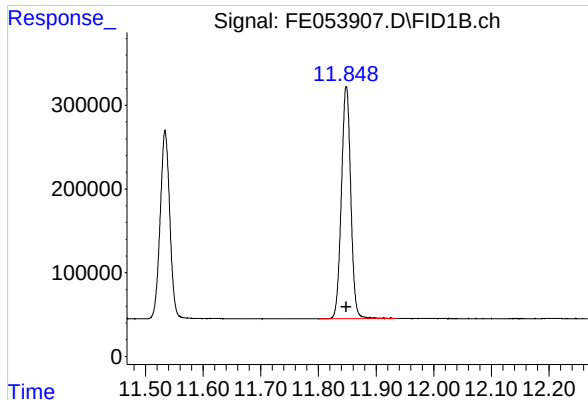
#7 n-Hexadecane (C16)

R.T.: 10.087 min
Delta R.T.: -0.003 min
Response: 2618681
Conc: 19.41 ug/ml



#8 n-Octadecane (C18)

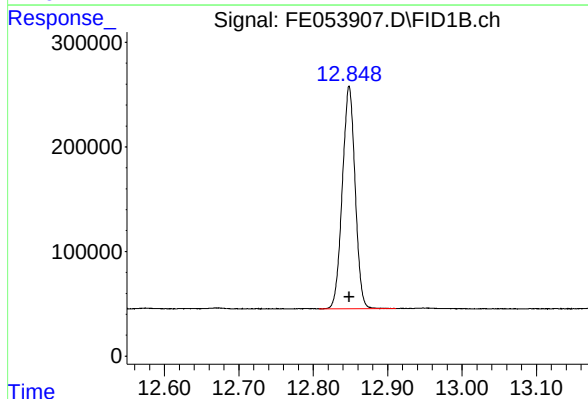
R.T.: 11.534 min
Delta R.T.: -0.002 min
Response: 2602774
Conc: 19.33 ug/ml



#9 ortho-Terphenyl (SURR)

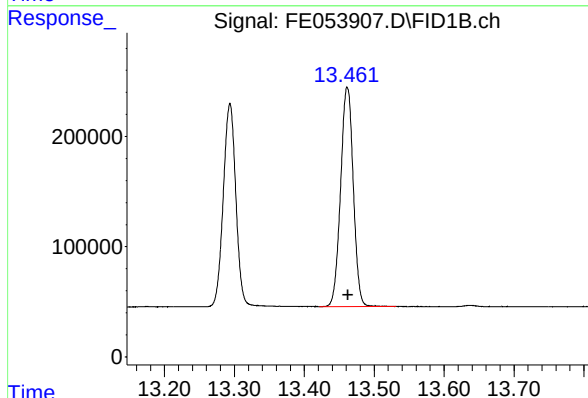
R.T.: 11.848 min
Delta R.T.: 0.000 min
Response: 3134072
Conc: 19.29 ug/ml

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20 PPM ALIPHATIC HC STD



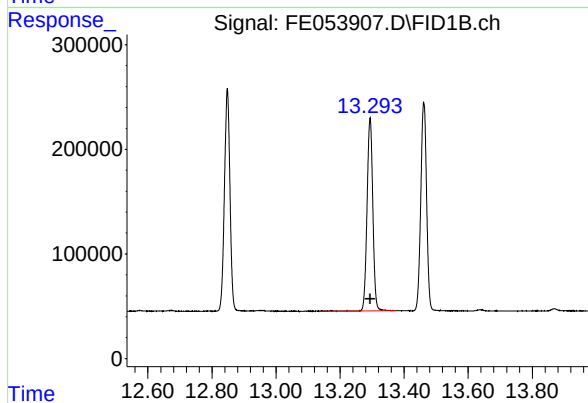
#10 n-Eicosane (C20)

R.T.: 12.848 min
Delta R.T.: 0.000 min
Response: 2538856
Conc: 19.32 ug/ml



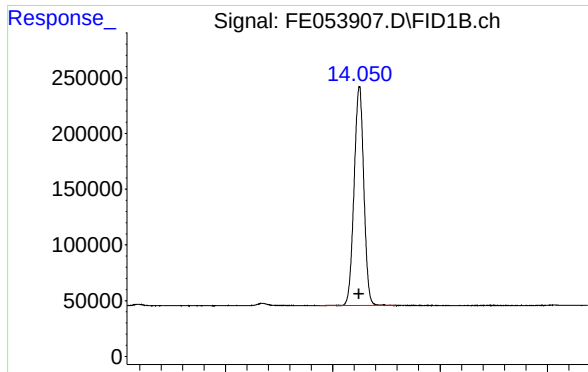
#11 n-Heneicosane (C21)

R.T.: 13.462 min
Delta R.T.: 0.000 min
Response: 2510156
Conc: 19.36 ug/ml



#12 1-chlorooctadecane (SURR)

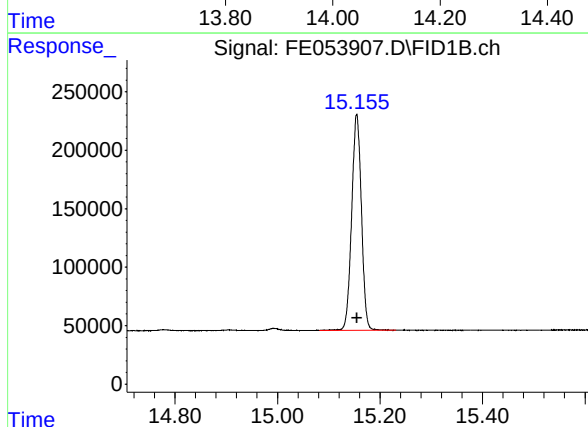
R.T.: 13.294 min
Delta R.T.: 0.000 min
Response: 2300561
Conc: 19.41 ug/ml



#13 n-Docosane (C22)

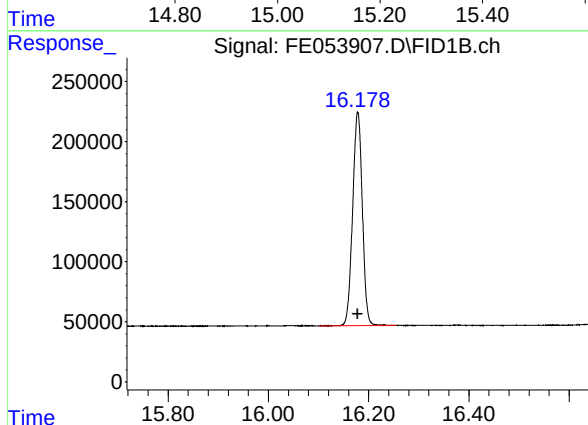
R.T.: 14.049 min
Delta R.T.: 0.000 min
Response: 2480191
Conc: 19.44 ug/ml

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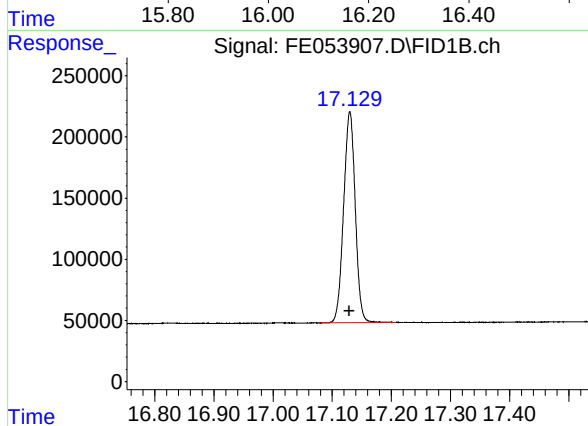
#14 n-Tetracosane (C24)

R.T.: 15.155 min
Delta R.T.: 0.000 min
Response: 2436072
Conc: 19.47 ug/ml



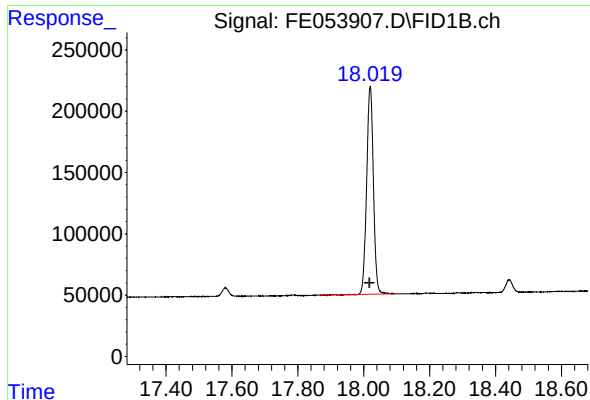
#15 n-Hexacosane (C26)

R.T.: 16.178 min
Delta R.T.: 0.000 min
Response: 2385725
Conc: 19.48 ug/ml



#16 n-Octacosane (C28)

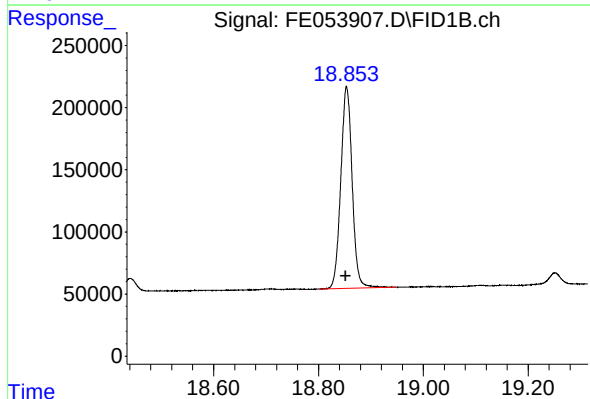
R.T.: 17.130 min
Delta R.T.: 0.001 min
Response: 2358592
Conc: 19.40 ug/ml



#17 n-Tricontane (C30)

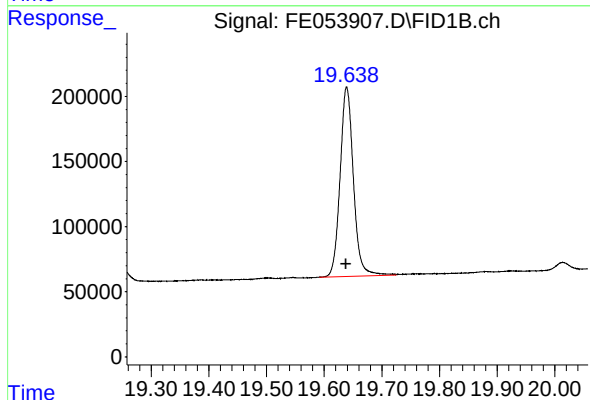
R.T.: 18.020 min
Delta R.T.: 0.002 min
Response: 2406955
Conc: 19.32 ug/ml

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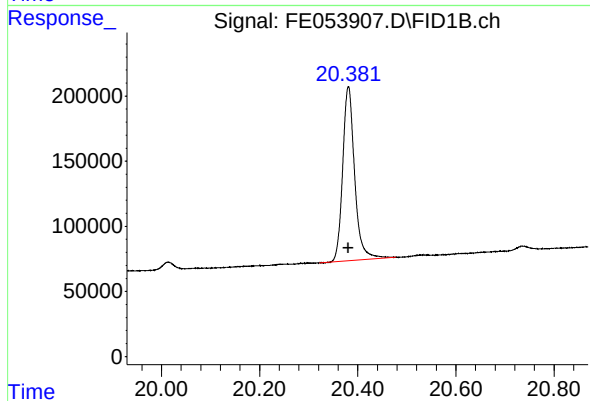
#18 n-Dotriacontane (C32)

R.T.: 18.854 min
Delta R.T.: 0.002 min
Response: 2443683
Conc: 19.54 ug/ml



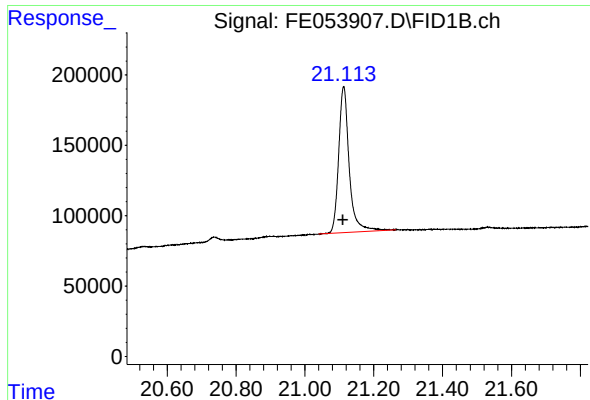
#19 n-Tetatriacontane (C34)

R.T.: 19.639 min
Delta R.T.: 0.001 min
Response: 2334458
Conc: 19.60 ug/ml



#20 n-Hexatriacontane (C36)

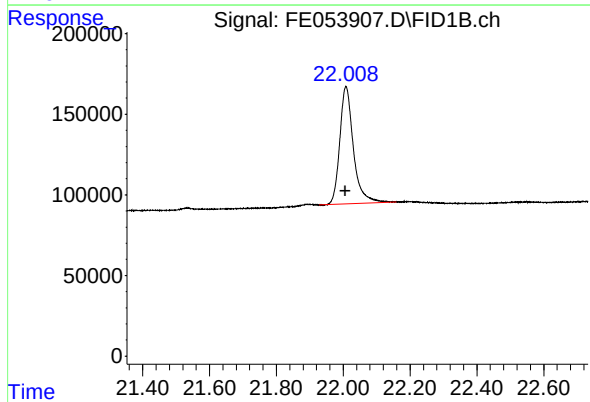
R.T.: 20.381 min
Delta R.T.: 0.000 min
Response: 2261932
Conc: 19.54 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.113 min
Delta R.T.: 0.002 min
Response: 2207507
Conc: 20.28 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.008 min
Delta R.T.: 0.001 min
Response: 2054156
Conc: 20.70 ug/ml