

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061625AL\
 Data File : FE054406.D
 Signal(s) : FID1B.ch
 Acq On : 16 Jun 2025 15:47
 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: sample.E
 Quant Time: Jun 17 03:26:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
 Quant Title : GC Extractables
 QLast Update : Tue Jun 10 07:24:04 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)	11.824	3271816	19.801 ug/ml
Spiked Amount 50.000		Recovery =	39.60%
12) S 1-chlorooctadecane (S...	13.270	2428201	19.912 ug/ml
Spiked Amount 50.000		Recovery =	39.82%
Target Compounds			
1) T n-Nonane (C9)	3.174	2512105	20.230 ug/ml
2) T n-Decane (C10)	4.437	2432886	19.580 ug/ml
3) T A~Naphthalene (C11.7)	6.152	2681758	19.844 ug/ml
4) T n-Dodecane (C12)	6.618	2513681	19.741 ug/ml
5) T A~2-methylnaphthalene...	7.254	2683609	20.261 ug/ml
6) T n-Tetradecane (C14)	8.453	2448173	18.910 ug/ml
7) T n-Hexadecane (C16)	10.064	2574325	19.379 ug/ml
8) T n-Octadecane (C18)	11.511	2648808	19.616 ug/ml
10) T n-Eicosane (C20)	12.824	2723095	20.356 ug/ml
11) T n-Heneicosane (C21)	13.437	2702474	20.324 ug/ml
13) T n-Docosane (C22)	14.025	2660488	20.290 ug/ml
14) T n-Tetracosane (C24)	15.130	2681948	20.791 ug/ml
15) T n-Hexacosane (C26)	16.152	2702986	21.533 ug/ml
16) T n-Octacosane (C28)	17.104	2821222	23.006 ug/ml
17) T n-Tricontane (C30)	17.993	3095208	24.973 ug/ml
18) T n-Dotriacontane (C32)	18.828	3409421	27.135 ug/ml
19) T n-Tetratriacontane (C34)	19.613	4239282	34.076 ug/ml
20) T n-Hexatriacontane (C36)	20.355	7544576	58.607 ug/ml
21) T n-Octatriacontane (C38)	21.082	13664466	103.486 ug/ml
22) T n-Tetracontane (C40)	21.968	16001726	118.790 ug/ml

(f)=RT Delta > 1/2 Window

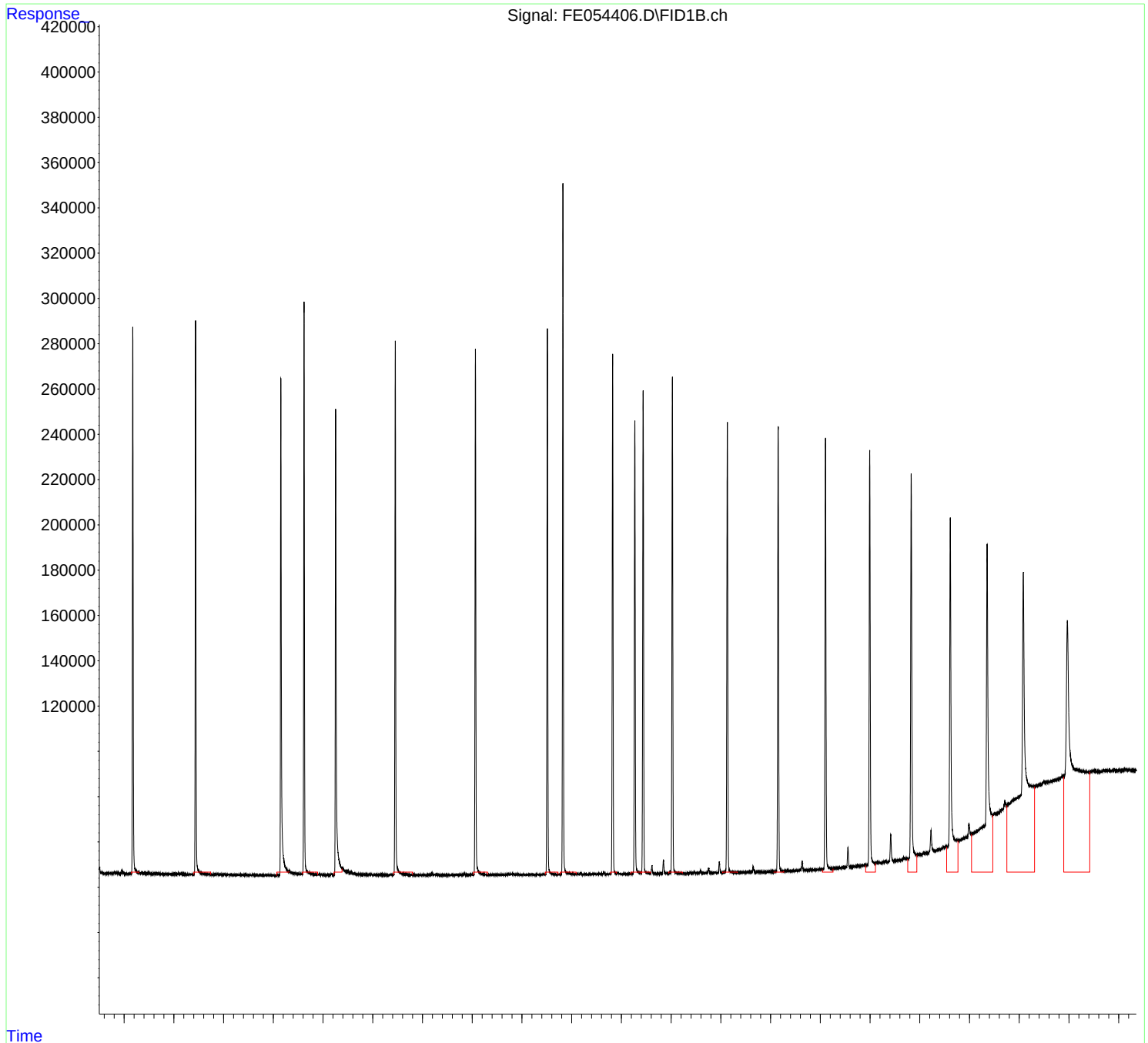
(m)=manual int.

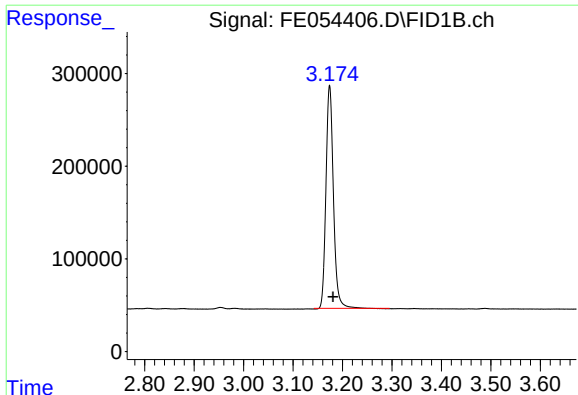
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Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

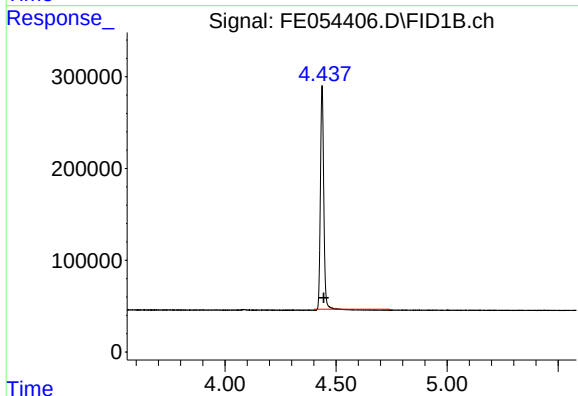




#1 n-Nonane (C9)

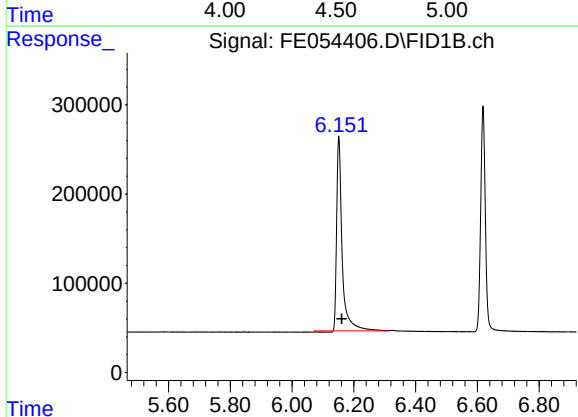
R.T.: 3.174 min
Delta R.T.: -0.007 min
Response: 2512105
Conc: 20.23 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD



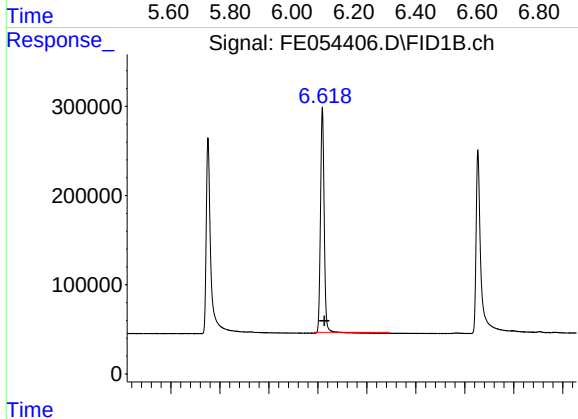
#2 n-Decane (C10)

R.T.: 4.437 min
Delta R.T.: -0.007 min
Response: 2432886
Conc: 19.58 ug/ml



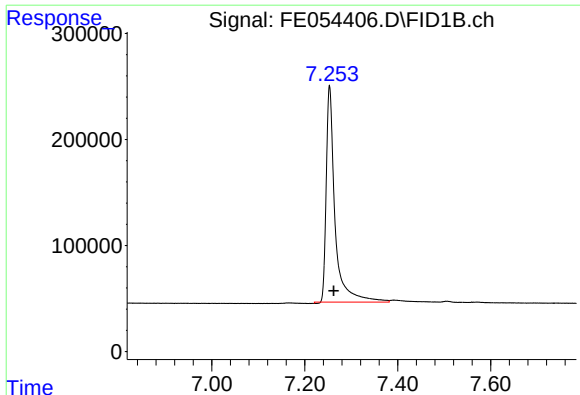
#3 A~Naphthalene (C11.7)

R.T.: 6.152 min
Delta R.T.: -0.009 min
Response: 2681758
Conc: 19.84 ug/ml



#4 n-Dodecane (C12)

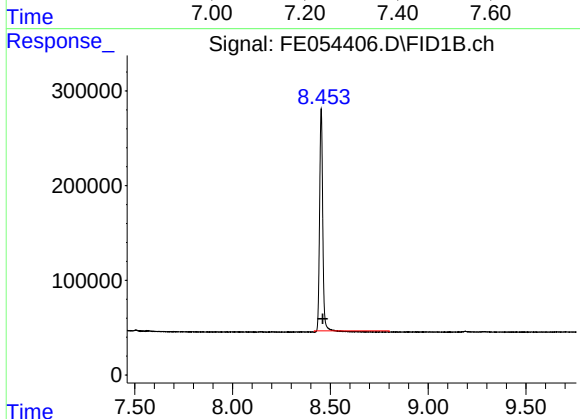
R.T.: 6.618 min
Delta R.T.: -0.008 min
Response: 2513681
Conc: 19.74 ug/ml



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

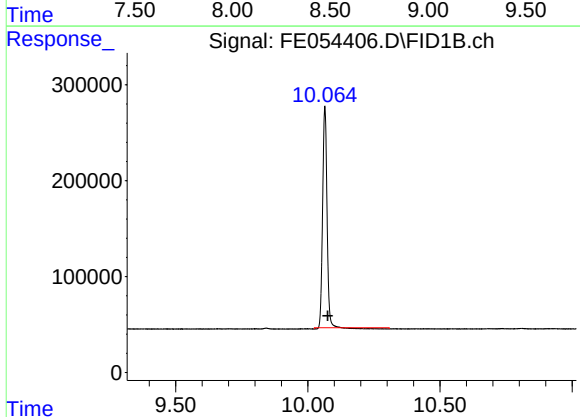
R.T.: 7.254 min
Delta R.T.: -0.009 min
Response: 2683609
Conc: 20.26 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD



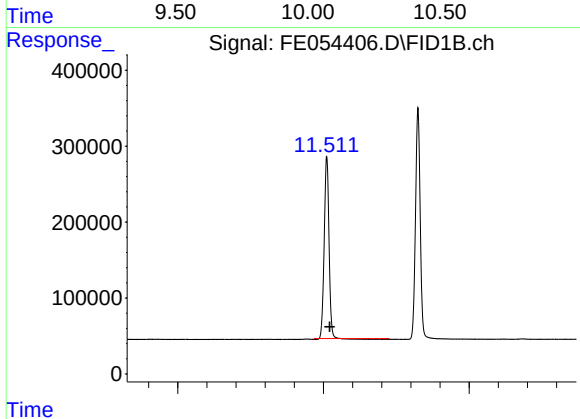
#6 n-Tetradecane (C14)

R.T.: 8.453 min
Delta R.T.: -0.008 min
Response: 2448173
Conc: 18.91 ug/ml



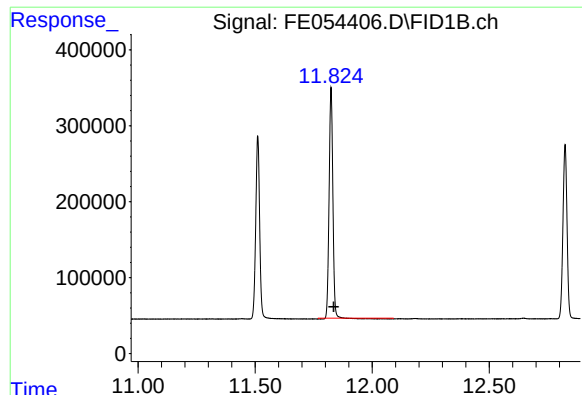
#7 n-Hexadecane (C16)

R.T.: 10.064 min
Delta R.T.: -0.010 min
Response: 2574325
Conc: 19.38 ug/ml



#8 n-Octadecane (C18)

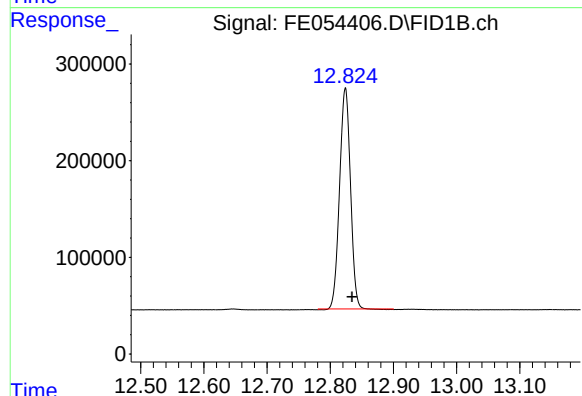
R.T.: 11.511 min
Delta R.T.: -0.010 min
Response: 2648808
Conc: 19.62 ug/ml



#9 ortho-Terphenyl (SURR)

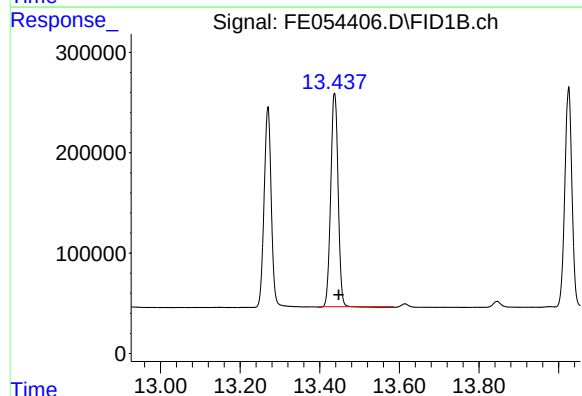
R.T.: 11.824 min
Delta R.T.: -0.011 min
Response: 3271816
Conc: 19.80 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD



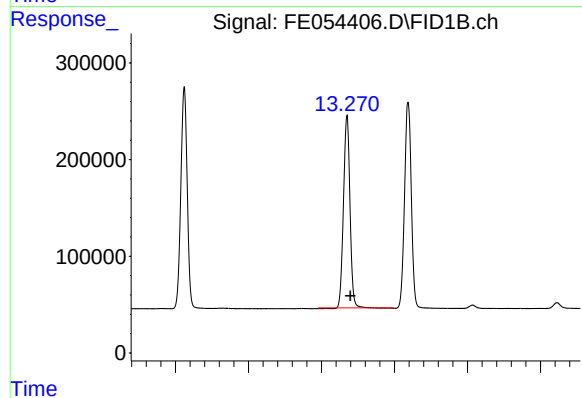
#10 n-Eicosane (C20)

R.T.: 12.824 min
Delta R.T.: -0.011 min
Response: 2723095
Conc: 20.36 ug/ml



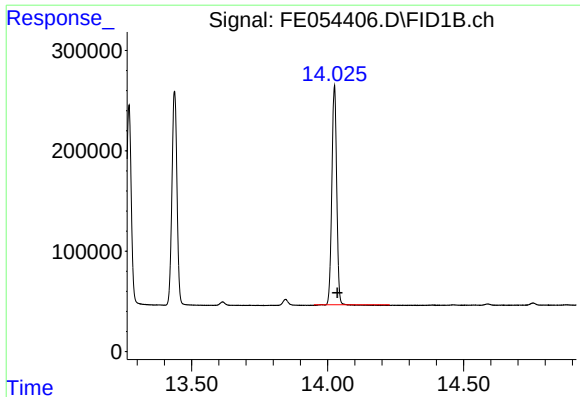
#11 n-Heneicosane (C21)

R.T.: 13.437 min
Delta R.T.: -0.011 min
Response: 2702474
Conc: 20.32 ug/ml



#12 1-chlorooctadecane (SURR)

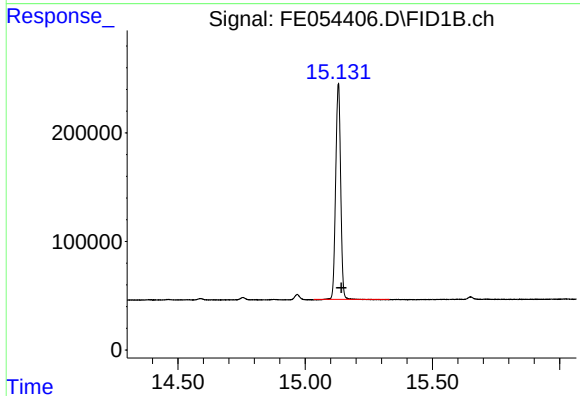
R.T.: 13.270 min
Delta R.T.: -0.010 min
Response: 2428201
Conc: 19.91 ug/ml



#13 n-Docosane (C22)

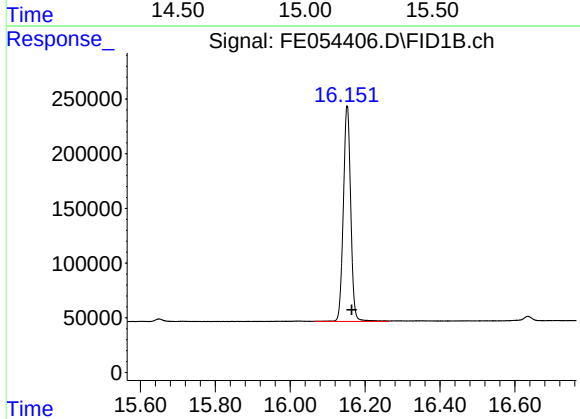
R.T.: 14.025 min
Delta R.T.: -0.011 min
Response: 2660488
Conc: 20.29 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD



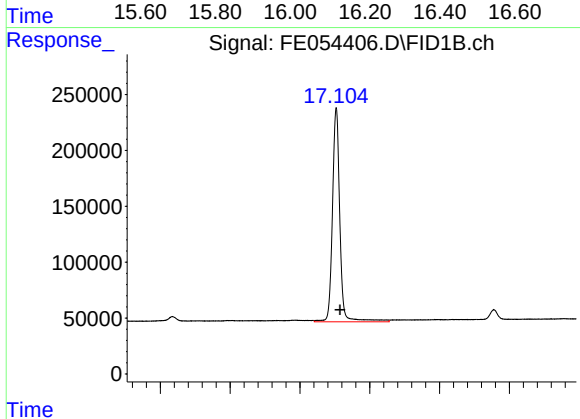
#14 n-Tetracosane (C24)

R.T.: 15.130 min
Delta R.T.: -0.011 min
Response: 2681948
Conc: 20.79 ug/ml



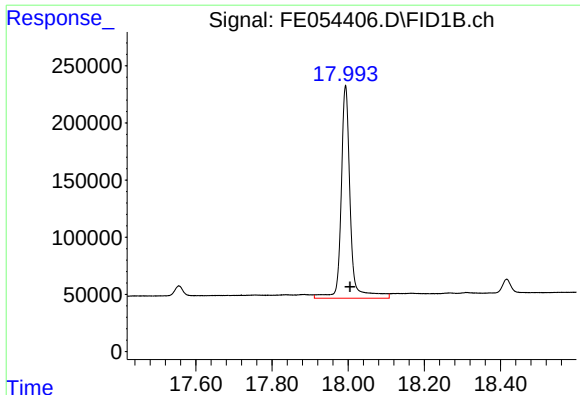
#15 n-Hexacosane (C26)

R.T.: 16.152 min
Delta R.T.: -0.012 min
Response: 2702986
Conc: 21.53 ug/ml



#16 n-Octacosane (C28)

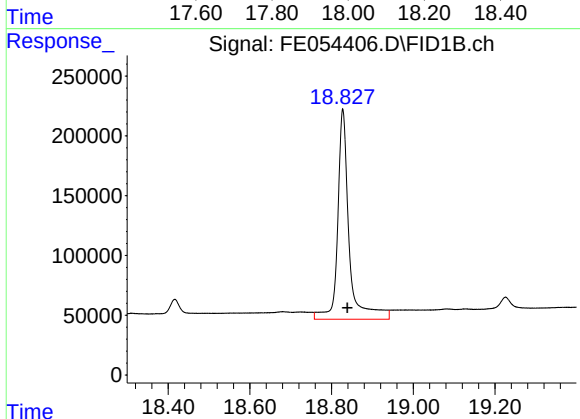
R.T.: 17.104 min
Delta R.T.: -0.011 min
Response: 2821222
Conc: 23.01 ug/ml



#17 n-Tricontane (C30)

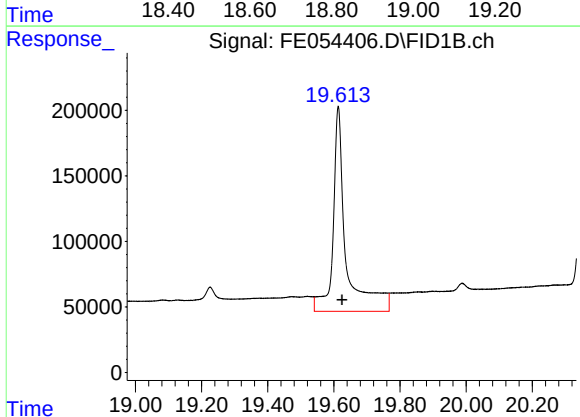
R.T.: 17.993 min
Delta R.T.: -0.012 min
Response: 3095208
Conc: 24.97 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD



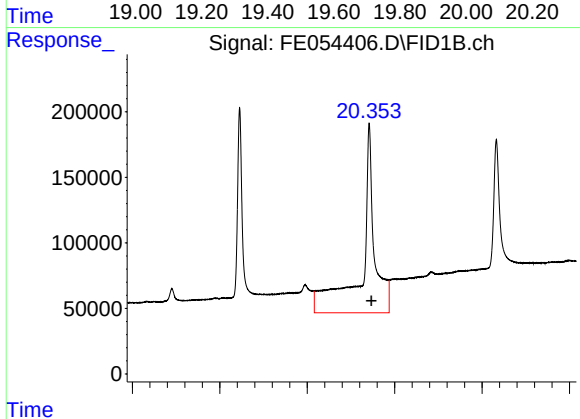
#18 n-Dotriacontane (C32)

R.T.: 18.828 min
Delta R.T.: -0.011 min
Response: 3409421
Conc: 27.14 ug/ml



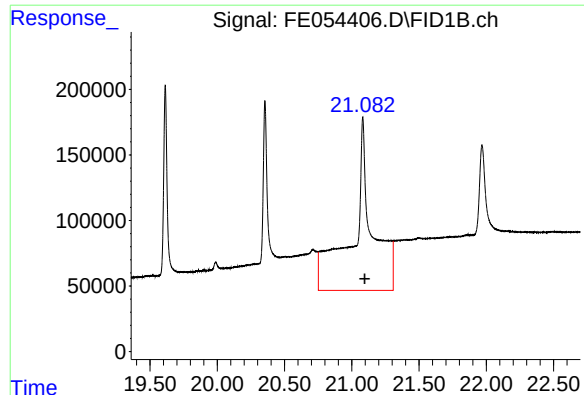
#19 n-Tetratriacontane (C34)

R.T.: 19.613 min
Delta R.T.: -0.012 min
Response: 4239282
Conc: 34.08 ug/ml



#20 n-Hexatriacontane (C36)

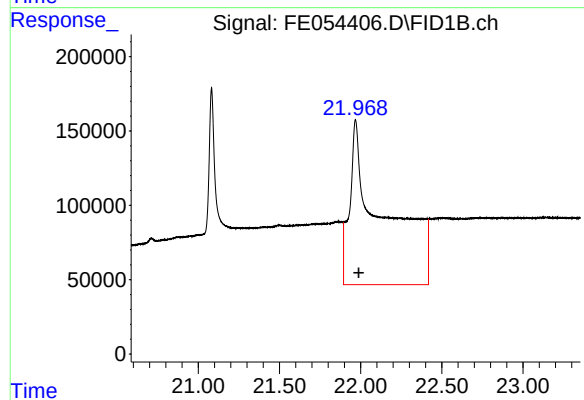
R.T.: 20.355 min
Delta R.T.: -0.011 min
Response: 7544576
Conc: 58.61 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.082 min
Delta R.T.: -0.014 min
Response: 13664466
Conc: 103.49 ug/ml

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20 PPM ALIPHATIC HC STD



#22 n-Tetracontane (C40)

R.T.: 21.968 min
Delta R.T.: -0.020 min
Response: 16001726
Conc: 118.79 ug/ml