

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD080823AL\
 Data File : FD046308.D
 Signal(s) : FID2B.ch
 Acq On : 09 Aug 2023 10:04
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
 Quant Time: Aug 09 17:25:09 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 072023.M
 Quant Title : GC Extractables
 QLast Update : Thu Jul 20 14:31:50 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)	11.392	3492985	20.034 ug/ml
Spiked Amount 50.000		Recovery =	40.07%
12) S 1-chlorooctadecane (S...	12.827	2638066	21.924 ug/ml
Spiked Amount 50.000		Recovery =	43.85%
Target Compounds			
1) T n-Nonane (C9)	3.224	2660981	16.878 ug/ml
2) T n-Decane (C10)	4.279	2718885	16.930 ug/ml
3) T A~Naphthalene (C11.7)	5.839	3009660	17.384 ug/ml
4) T n-Dodecane (C12)	6.280	2738514	16.942 ug/ml
5) T A~2-methylnaphthalene...	6.887	2920312	17.695 ug/ml
6) T n-Tetradecane (C14)	8.064	2721242	17.105 ug/ml
7) T n-Hexadecane (C16)	9.655	2860996	17.582 ug/ml
8) T n-Octadecane (C18)	11.088	2973768	18.436 ug/ml
10) T n-Eicosane (C20)	12.388	2945892	19.735 ug/ml
11) T n-Heneicosane (C21)	12.995	2956195	20.479 ug/ml
13) T n-Docosane (C22)	13.578	2971159	21.265 ug/ml
14) T n-Tetracosane (C24)	14.673	3030933	22.011 ug/ml
15) T n-Hexacosane (C26)	15.686	3017290	23.602 ug/ml
16) T n-Octacosane (C28)	16.628	2972158	24.409 ug/ml
17) T n-Tricontane (C30)	17.509	2998001	24.223 ug/ml
18) T n-Dotriacontane (C32)	18.334	2888112	23.652 ug/ml
19) T n-Tetratriacontane (C34)	19.111	2774998	21.690 ug/ml
20) T n-Hexatriacontane (C36)	19.845	2475256	21.613 ug/ml
21) T n-Octatriacontane (C38)	20.544	2322438	20.628 ug/ml
22) T n-Tetracontane (C40)	21.361	2199008	20.500 ug/ml

(f)=RT Delta > 1/2 Window

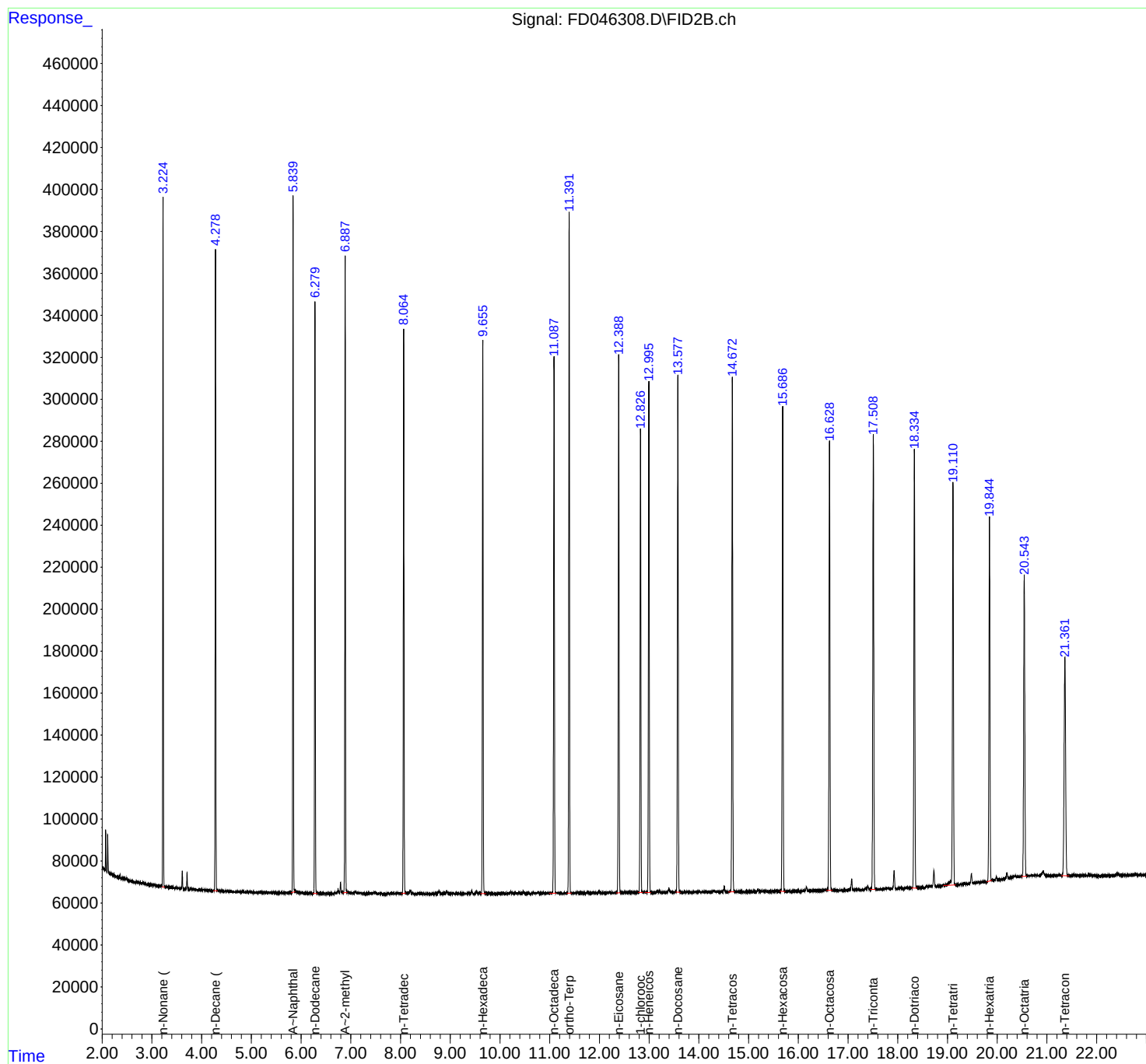
(m)=manual int.

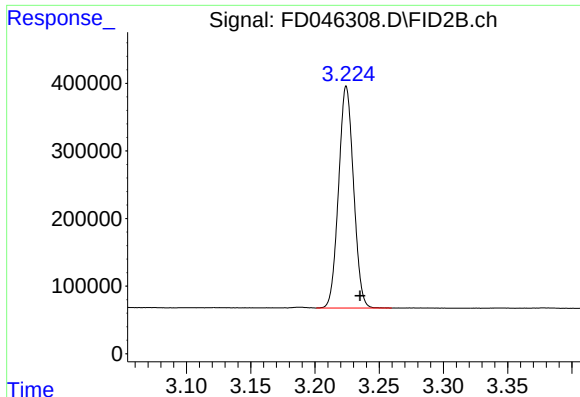
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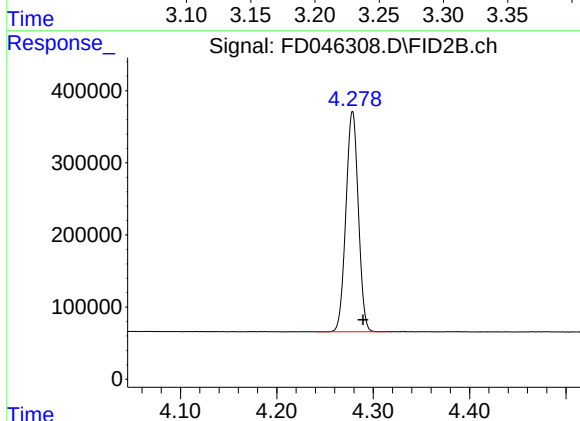




#1 n-Nonane (C9)

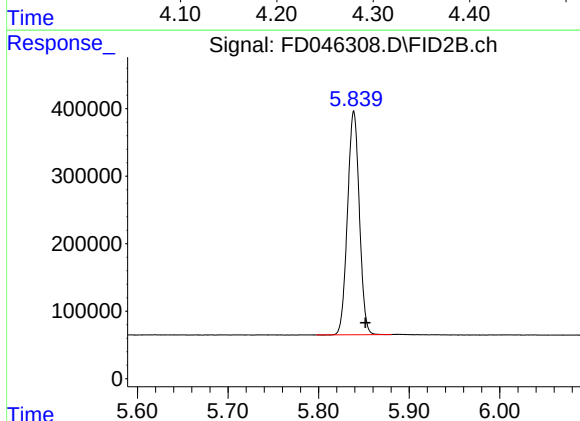
R.T.: 3.224 min
Delta R.T.: -0.011 min
Response: 2660981
Conc: 16.88 ug/ml

Instrument :
FID_D
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20 PPM ALIPHATIC HC STD



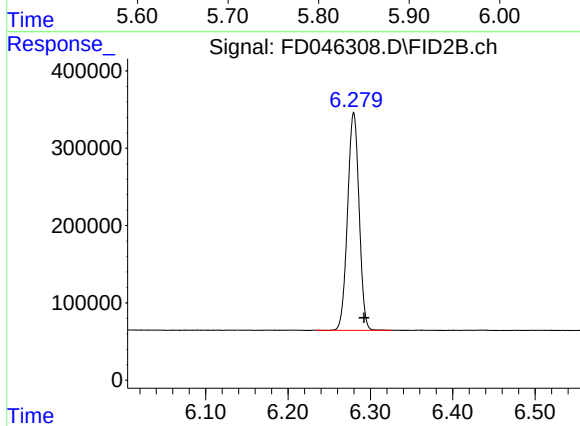
#2 n-Decane (C10)

R.T.: 4.279 min
Delta R.T.: -0.011 min
Response: 2718885
Conc: 16.93 ug/ml



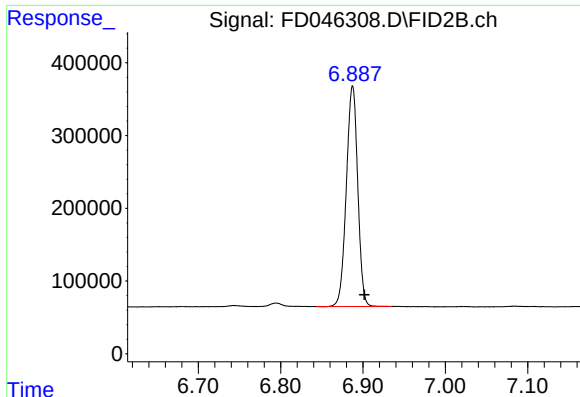
#3 A~Naphthalene (C11.7)

R.T.: 5.839 min
Delta R.T.: -0.013 min
Response: 3009660
Conc: 17.38 ug/ml



#4 n-Dodecane (C12)

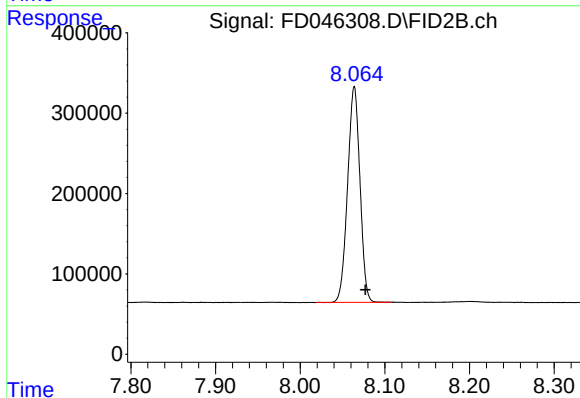
R.T.: 6.280 min
Delta R.T.: -0.012 min
Response: 2738514
Conc: 16.94 ug/ml



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

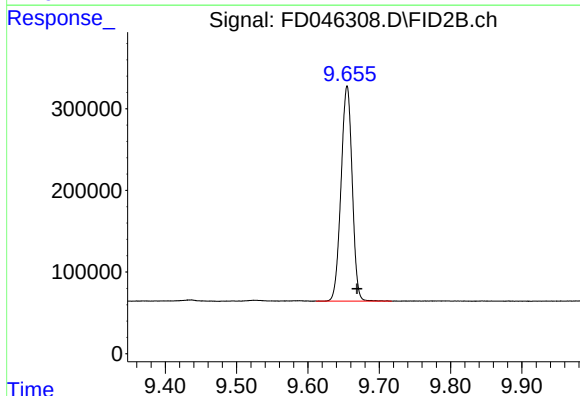
R.T.: 6.887 min
Delta R.T.: -0.014 min
Response: 2920312
Conc: 17.69 ug/ml

Instrument :
FID_D
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20 PPM ALIPHATIC HC STD



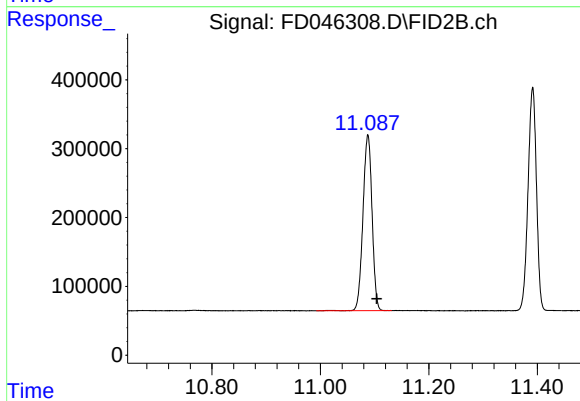
#6 n-Tetradecane (C14)

R.T.: 8.064 min
Delta R.T.: -0.013 min
Response: 2721242
Conc: 17.11 ug/ml



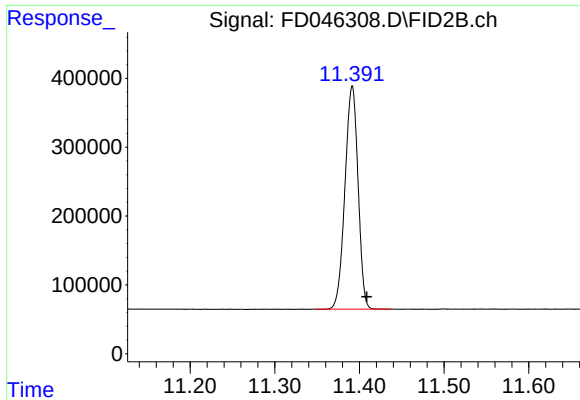
#7 n-Hexadecane (C16)

R.T.: 9.655 min
Delta R.T.: -0.014 min
Response: 2860996
Conc: 17.58 ug/ml



#8 n-Octadecane (C18)

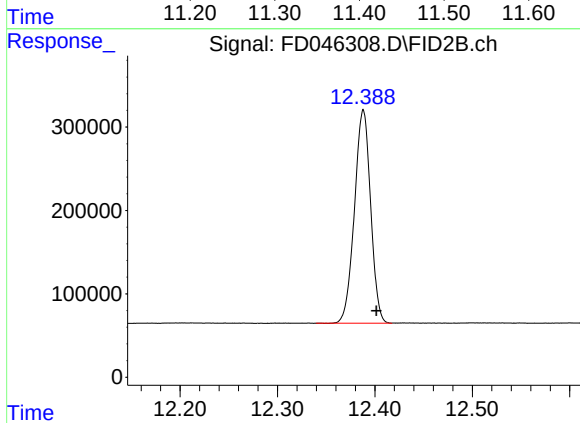
R.T.: 11.088 min
Delta R.T.: -0.016 min
Response: 2973768
Conc: 18.44 ug/ml



#9 ortho-Terphenyl (SURR)

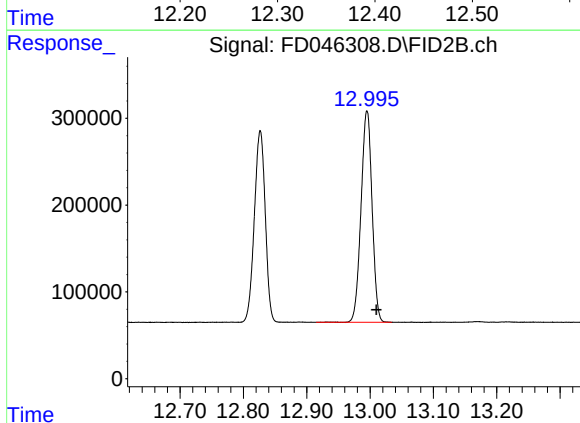
R.T.: 11.392 min
Delta R.T.: -0.017 min
Response: 3492985
Conc: 20.03 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD



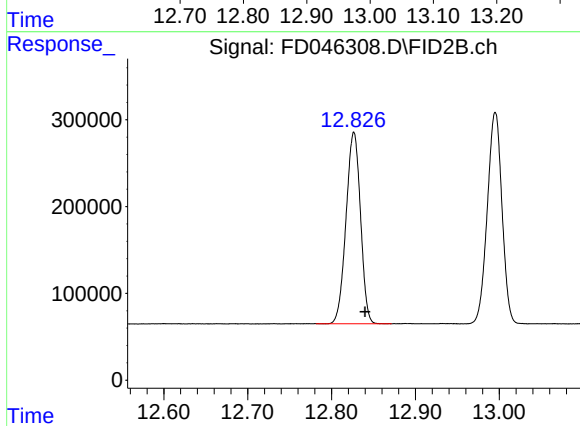
#10 n-Eicosane (C20)

R.T.: 12.388 min
Delta R.T.: -0.013 min
Response: 2945892
Conc: 19.74 ug/ml



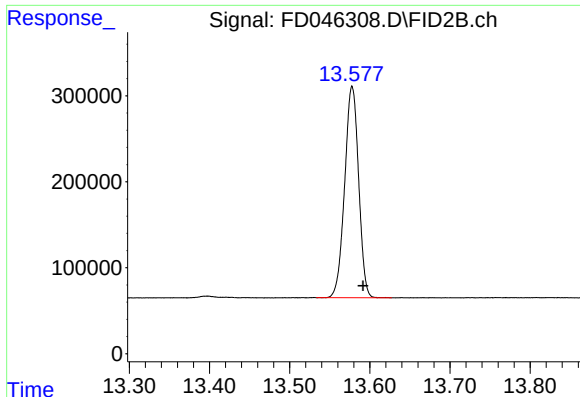
#11 n-Heneicosane (C21)

R.T.: 12.995 min
Delta R.T.: -0.015 min
Response: 2956195
Conc: 20.48 ug/ml



#12 1-chlorooctadecane (SURR)

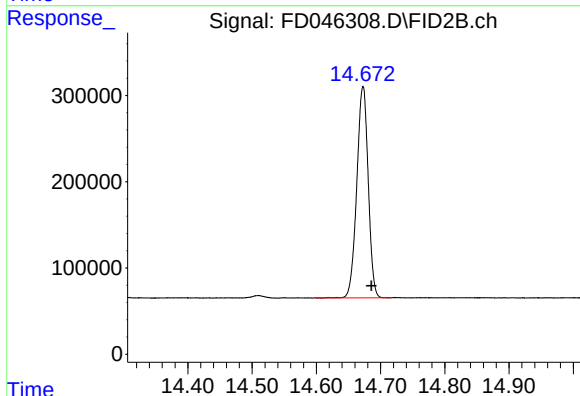
R.T.: 12.827 min
Delta R.T.: -0.013 min
Response: 2638066
Conc: 21.92 ug/ml



#13 n-Docosane (C22)

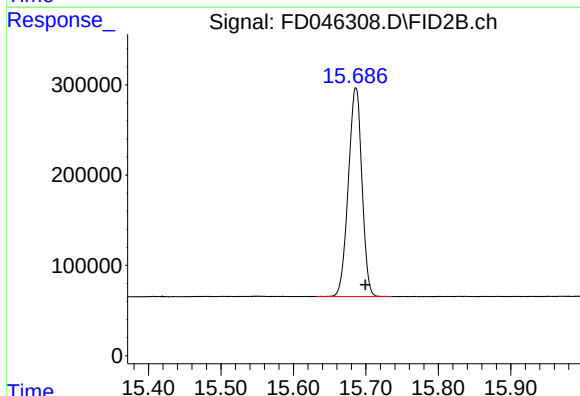
R.T.: 13.578 min
Delta R.T.: -0.014 min
Response: 2971159
Conc: 21.26 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD



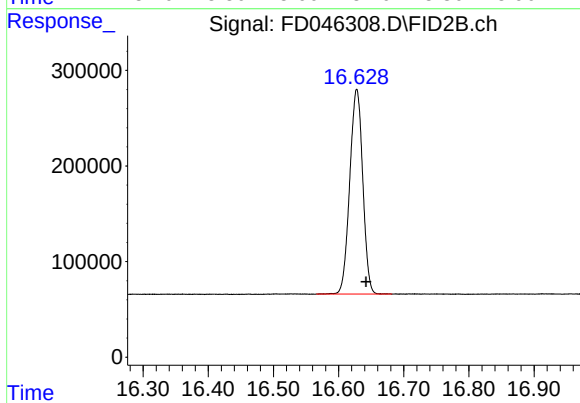
#14 n-Tetracosane (C24)

R.T.: 14.673 min
Delta R.T.: -0.013 min
Response: 3030933
Conc: 22.01 ug/ml



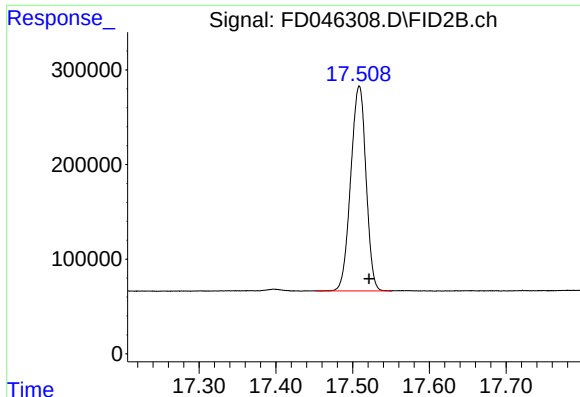
#15 n-Hexacosane (C26)

R.T.: 15.686 min
Delta R.T.: -0.013 min
Response: 3017290
Conc: 23.60 ug/ml



#16 n-Octacosane (C28)

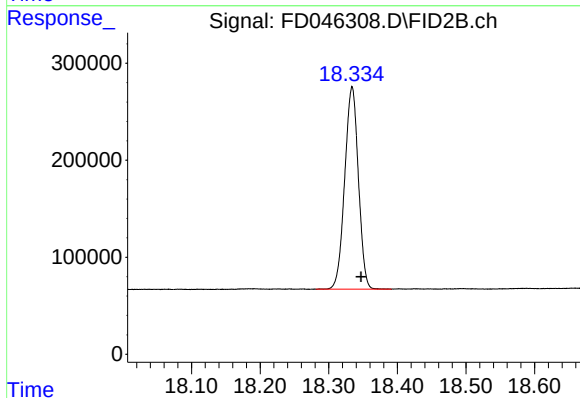
R.T.: 16.628 min
Delta R.T.: -0.014 min
Response: 2972158
Conc: 24.41 ug/ml



#17 n-Tricontane (C30)

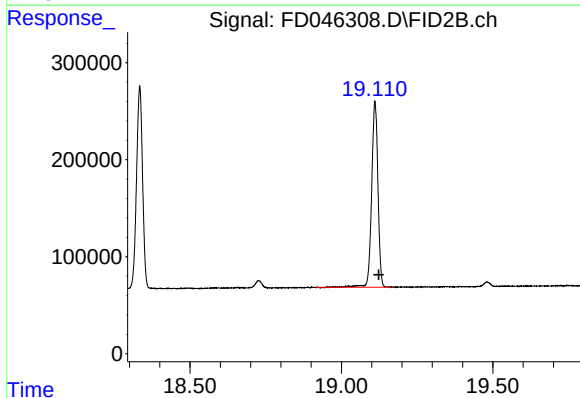
R.T.: 17.509 min
Delta R.T.: -0.013 min
Response: 2998001
Conc: 24.22 ug/ml

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20 PPM ALIPHATIC HC STD



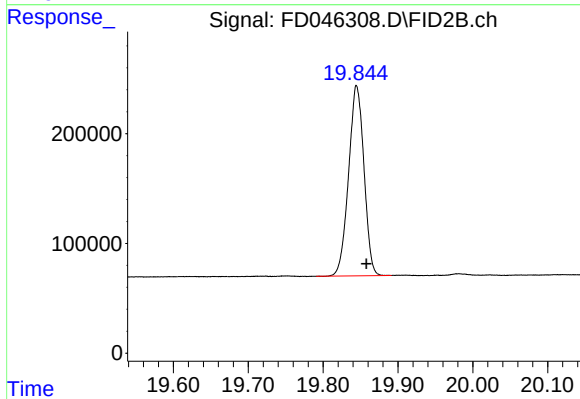
#18 n-Dotriacontane (C32)

R.T.: 18.334 min
Delta R.T.: -0.013 min
Response: 2888112
Conc: 23.65 ug/ml



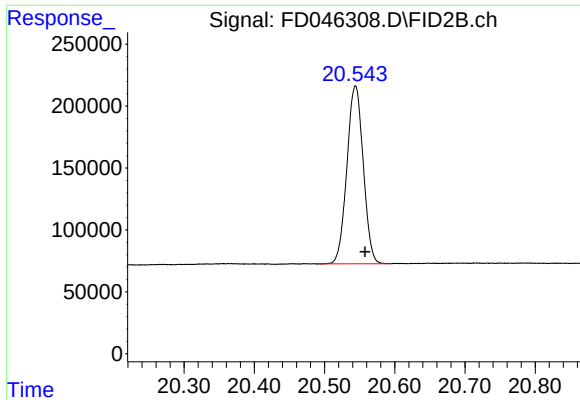
#19 n-Tetratriacontane (C34)

R.T.: 19.111 min
Delta R.T.: -0.013 min
Response: 2774998
Conc: 21.69 ug/ml



#20 n-Hexatriacontane (C36)

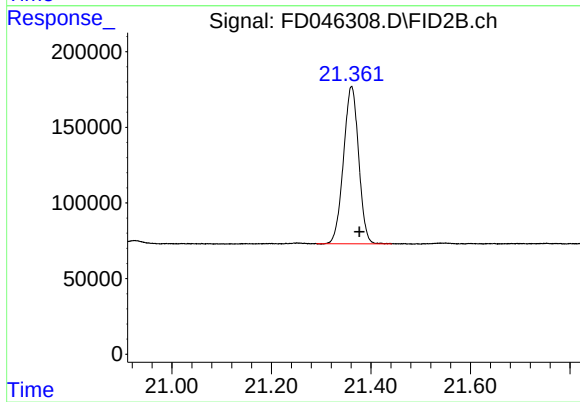
R.T.: 19.845 min
Delta R.T.: -0.013 min
Response: 2475256
Conc: 21.61 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.544 min
Delta R.T.: -0.014 min
Response: 2322438
Conc: 20.63 ug/ml

Instrument :
FID_D
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20 PPM ALIPHATIC HC STD



#22 n-Tetracontane (C40)

R.T.: 21.361 min
Delta R.T.: -0.016 min
Response: 2199008
Conc: 20.50 ug/ml