

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD080923AL\
 Data File : FD046320.D
 Signal(s) : FID2B.ch
 Acq On : 09 Aug 2023 19:13
 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 10 00:00:38 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)	11.391	3439223	19.726 ug/ml
Spiked Amount 50.000		Recovery =	39.45%
12) S 1-chlorooctadecane (S...	12.825	2596600	21.580 ug/ml
Spiked Amount 50.000		Recovery =	43.16%
Target Compounds			
1) T n-Nonane (C9)	3.221	2624386	16.646 ug/ml
2) T n-Decane (C10)	4.276	2686007	16.725 ug/ml
3) T A~Naphthalene (C11.7)	5.838	2969476	17.152 ug/ml
4) T n-Dodecane (C12)	6.279	2704515	16.732 ug/ml
5) T A~2-methylnaphthalene...	6.886	2890726	17.515 ug/ml
6) T n-Tetradecane (C14)	8.063	2691473	16.918 ug/ml
7) T n-Hexadecane (C16)	9.654	2814325	17.295 ug/ml
8) T n-Octadecane (C18)	11.086	2921365	18.111 ug/ml
10) T n-Eicosane (C20)	12.388	2900526	19.431 ug/ml
11) T n-Heneicosane (C21)	12.995	2901324	20.099 ug/ml
13) T n-Docosane (C22)	13.577	2928236	20.957 ug/ml
14) T n-Tetracosane (C24)	14.672	2973002	21.591 ug/ml
15) T n-Hexacosane (C26)	15.685	2967301	23.211 ug/ml
16) T n-Octacosane (C28)	16.628	2934774	24.102 ug/ml
17) T n-Tricontane (C30)	17.508	2995163	24.200 ug/ml
18) T n-Dotriacontane (C32)	18.334	2890547	23.672 ug/ml
19) T n-Tetratriacontane (C34)	19.111	2695056	21.065 ug/ml
20) T n-Hexatriacontane (C36)	19.844	2468297	21.553 ug/ml
21) T n-Octatriacontane (C38)	20.543	2306657	20.488 ug/ml
22) T n-Tetracontane (C40)	21.359	2170859	20.238 ug/ml

(f)=RT Delta > 1/2 Window

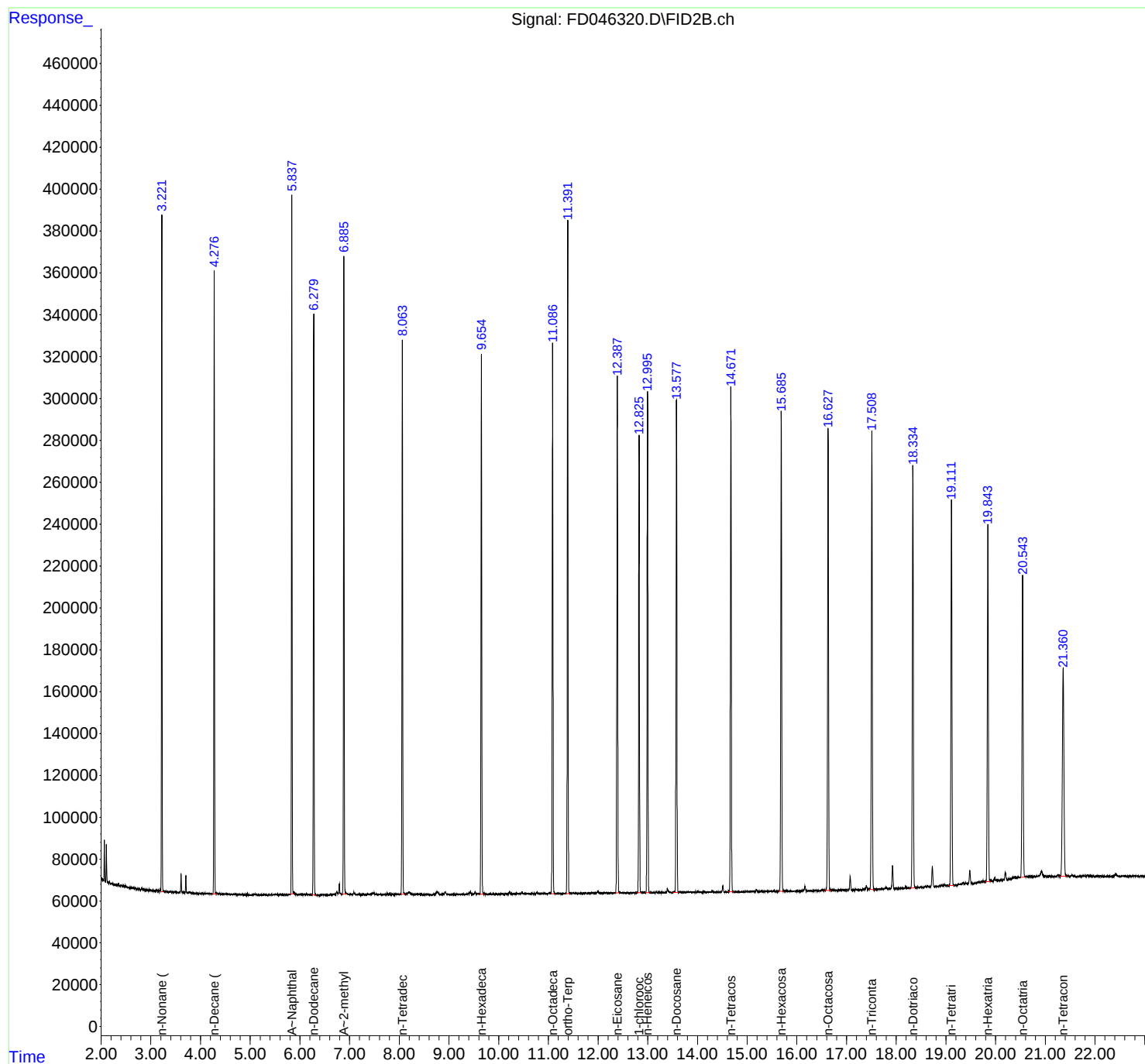
(m)=manual int.

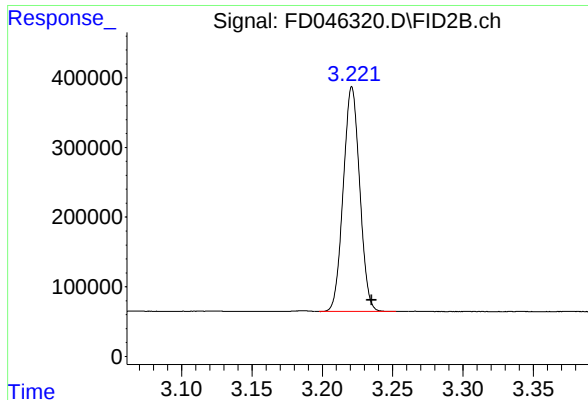
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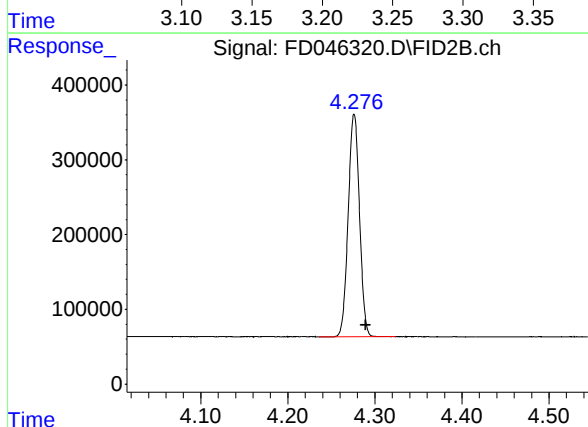




#1 n-Nonane (C9)

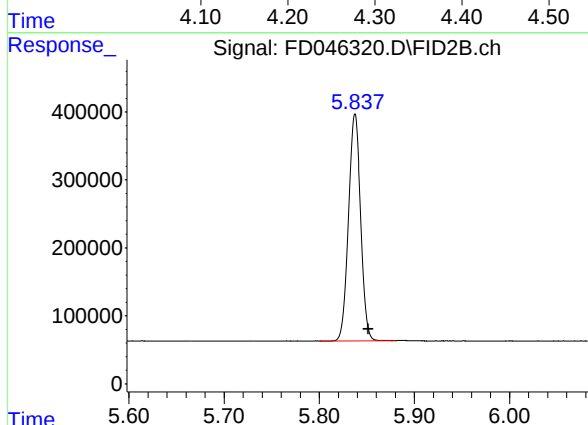
R.T.: 3.221 min
Delta R.T.: -0.014 min
Response: 2624386
Conc: 16.65 ug/ml

Instrument :
FID_D
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20 PPM ALIPHATIC HC STD



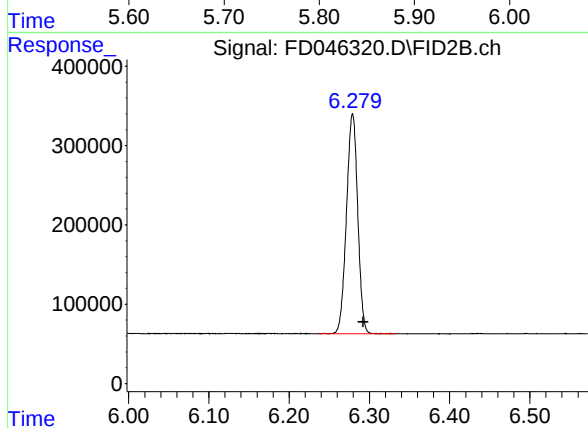
#2 n-Decane (C10)

R.T.: 4.276 min
Delta R.T.: -0.013 min
Response: 2686007
Conc: 16.73 ug/ml



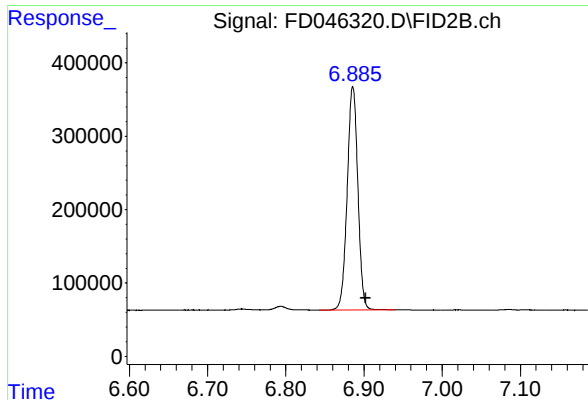
#3 A~Naphthalene (C11.7)

R.T.: 5.838 min
Delta R.T.: -0.014 min
Response: 2969476
Conc: 17.15 ug/ml



#4 n-Dodecane (C12)

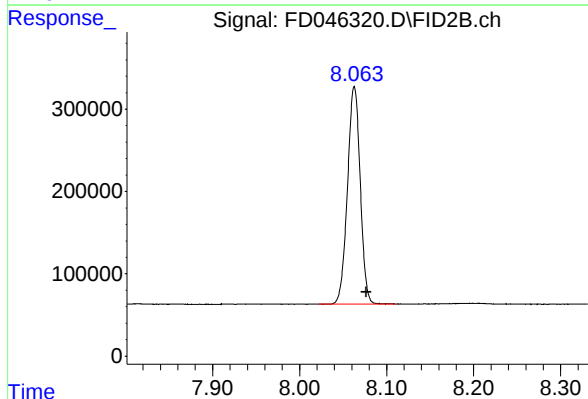
R.T.: 6.279 min
Delta R.T.: -0.013 min
Response: 2704515
Conc: 16.73 ug/ml



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

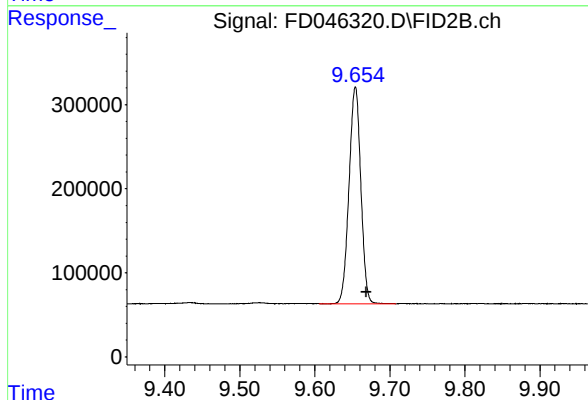
R.T.: 6.886 min
Delta R.T.: -0.016 min
Response: 2890726
Conc: 17.52 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD



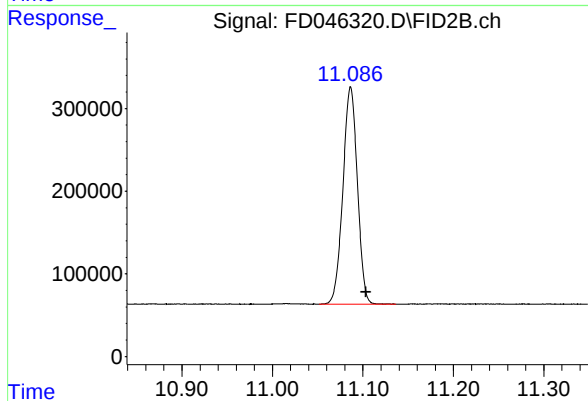
#6 n-Tetradecane (C14)

R.T.: 8.063 min
Delta R.T.: -0.014 min
Response: 2691473
Conc: 16.92 ug/ml



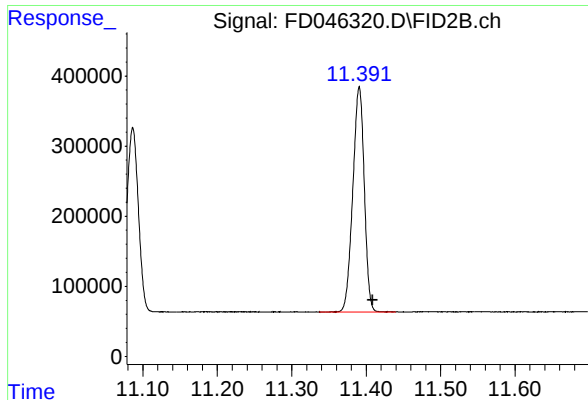
#7 n-Hexadecane (C16)

R.T.: 9.654 min
Delta R.T.: -0.015 min
Response: 2814325
Conc: 17.29 ug/ml



#8 n-Octadecane (C18)

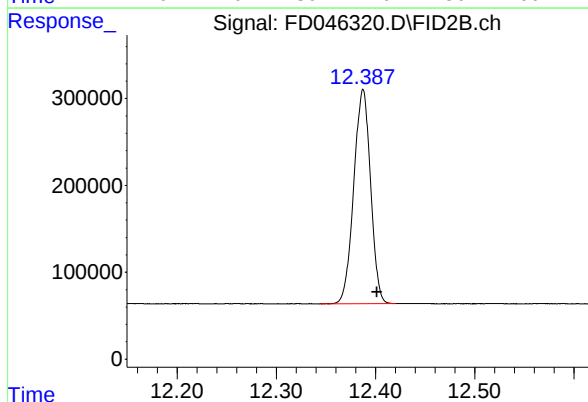
R.T.: 11.086 min
Delta R.T.: -0.017 min
Response: 2921365
Conc: 18.11 ug/ml



#9 ortho-Terphenyl (SURR)

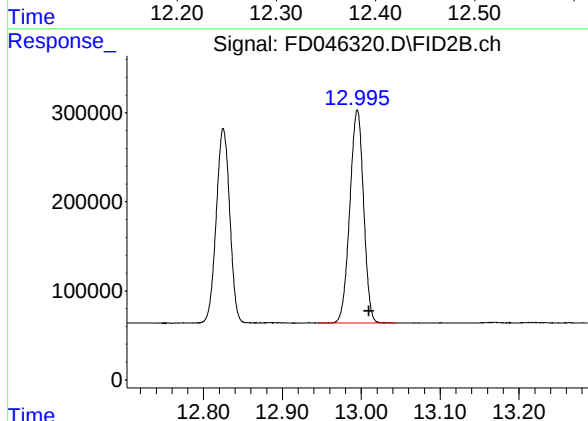
R.T.: 11.391 min
Delta R.T.: -0.018 min
Response: 3439223
Conc: 19.73 ug/ml

Instrument :
FID_D
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20 PPM ALIPHATIC HC STD



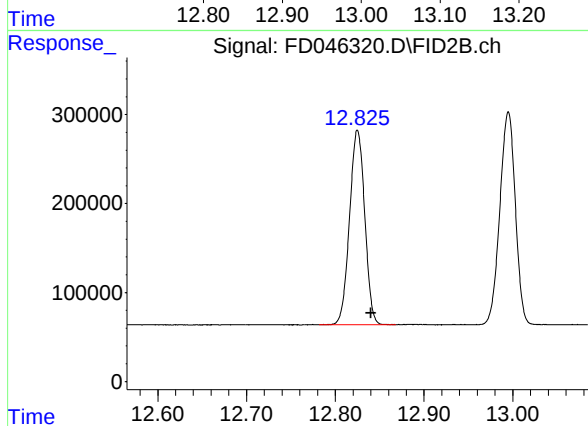
#10 n-Eicosane (C20)

R.T.: 12.388 min
Delta R.T.: -0.014 min
Response: 2900526
Conc: 19.43 ug/ml



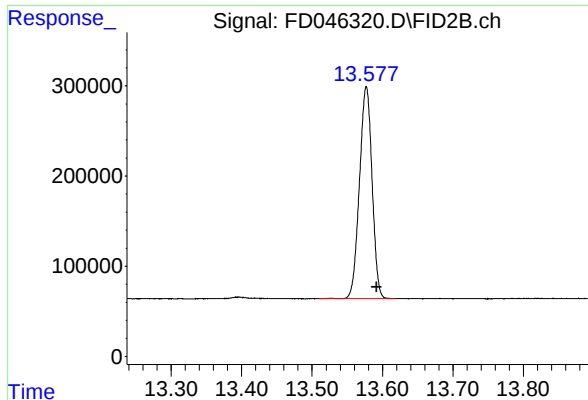
#11 n-Heneicosane (C21)

R.T.: 12.995 min
Delta R.T.: -0.015 min
Response: 2901324
Conc: 20.10 ug/ml



#12 1-chlorooctadecane (SURR)

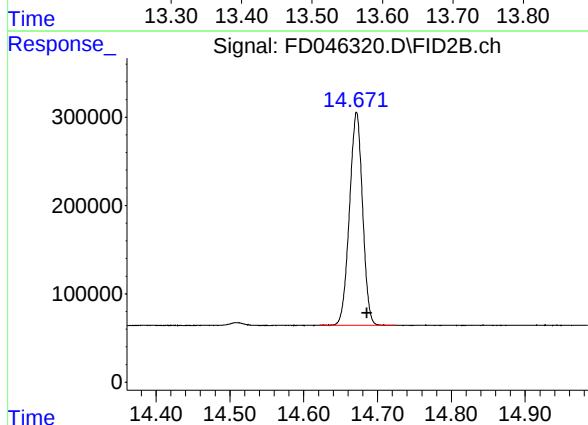
R.T.: 12.825 min
Delta R.T.: -0.015 min
Response: 2596600
Conc: 21.58 ug/ml



#13 n-Docosane (C22)

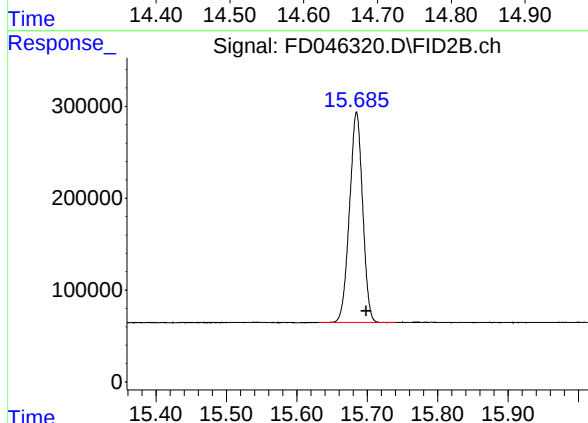
R.T.: 13.577 min
Delta R.T.: -0.015 min
Response: 2928236
Conc: 20.96 ug/ml

Instrument :
FID_D
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20 PPM ALIPHATIC HC STD



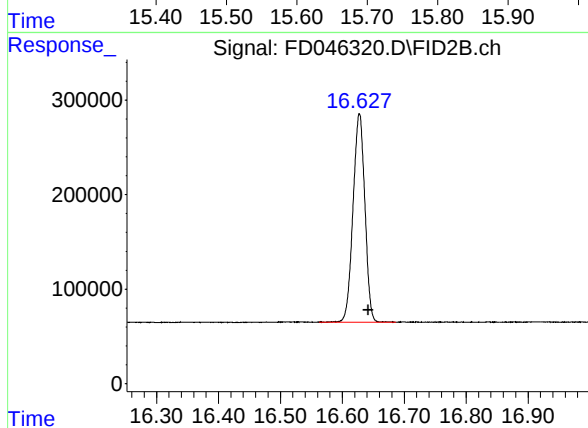
#14 n-Tetracosane (C24)

R.T.: 14.672 min
Delta R.T.: -0.014 min
Response: 2973002
Conc: 21.59 ug/ml



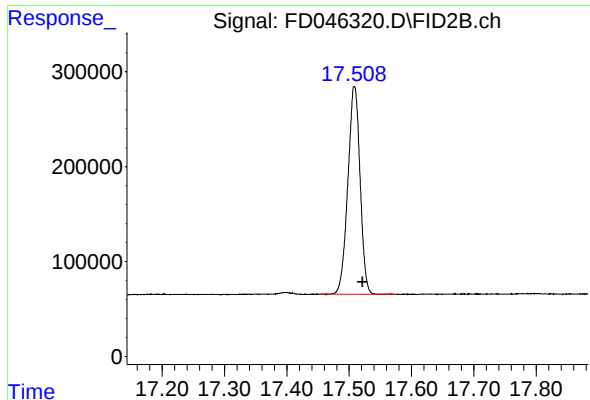
#15 n-Hexacosane (C26)

R.T.: 15.685 min
Delta R.T.: -0.014 min
Response: 2967301
Conc: 23.21 ug/ml



#16 n-Octacosane (C28)

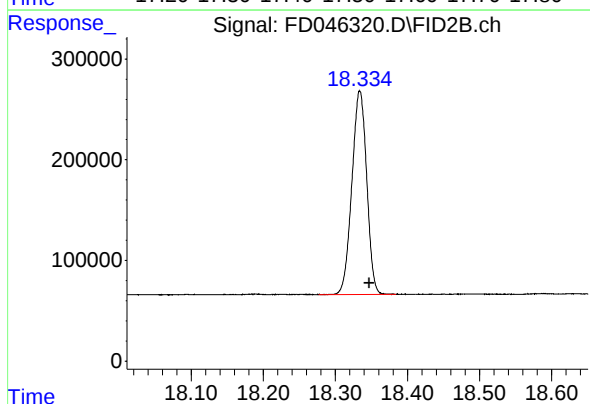
R.T.: 16.628 min
Delta R.T.: -0.014 min
Response: 2934774
Conc: 24.10 ug/ml



#17 n-Tricontane (C30)

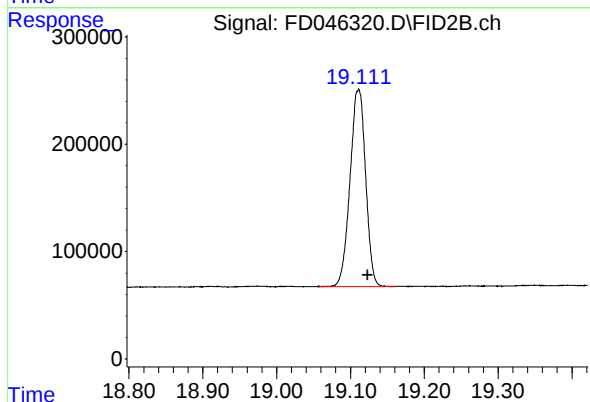
R.T.: 17.508 min
Delta R.T.: -0.013 min
Response: 2995163
Conc: 24.20 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM ALIPHATIC HC STD



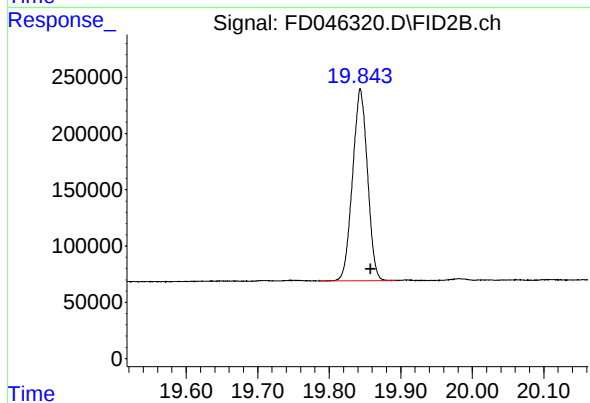
#18 n-Dotriacontane (C32)

R.T.: 18.334 min
Delta R.T.: -0.013 min
Response: 2890547
Conc: 23.67 ug/ml



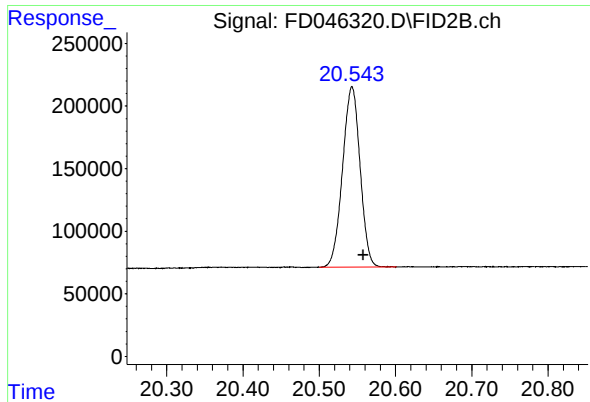
#19 n-Tetatriacontane (C34)

R.T.: 19.111 min
Delta R.T.: -0.013 min
Response: 2695056
Conc: 21.06 ug/ml



#20 n-Hexatriacontane (C36)

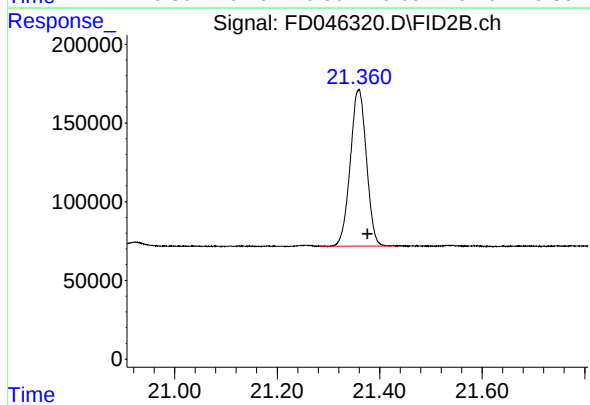
R.T.: 19.844 min
Delta R.T.: -0.014 min
Response: 2468297
Conc: 21.55 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.543 min
Delta R.T.: -0.015 min
Response: 2306657
Conc: 20.49 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM ALIPHATIC HC STD



#22 n-Tetracontane (C40)

R.T.: 21.359 min
Delta R.T.: -0.017 min
Response: 2170859
Conc: 20.24 ug/ml