

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101122AL\
 Data File : FD044086.D
 Signal(s) : FID2B.ch
 Acq On : 11 Oct 2022 14:00
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/12/2022
 Supervised By :Ankita Jodhani 10/13/2022

Integration File: autoint1.e
 Quant Time: Oct 12 07:03:04 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 100522.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 06 01:41:44 2022
 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)	11.300	3533787	22.450 ug/ml
Spiked Amount 50.000		Recovery =	44.90%
12) S 1-chlorooctadecane (S...	12.716	2800262	22.266 ug/ml
Spiked Amount 50.000		Recovery =	44.53%
Target Compounds			
1) T n-Nonane (C9)	3.131	2919822	21.624 ug/ml
2) T n-Decane (C10)	4.182	2995965	22.299 ug/ml
3) T A~Naphthalene (C11.7)	5.755	2927011	21.907 ug/ml
4) T n-Dodecane (C12)	6.181	3096253	22.282 ug/ml
5) T A~2-methylnaphthalene...	6.801	2959674	22.762 ug/mlm
6) T n-Tetradecane (C14)	7.959	3114457	22.371 ug/ml
7) T n-Hexadecane (C16)	9.548	3181550	22.556 ug/ml
8) T n-Octadecane (C18)	10.978	3266665	22.465 ug/ml
10) T n-Eicosane (C20)	12.275	3353528	22.615 ug/ml
11) T n-Heneicosane (C21)	12.881	3348723	22.320 ug/ml
13) T n-Docosane (C22)	13.462	3465515	23.050 ug/ml
14) T n-Tetracosane (C24)	14.554	3624321	24.013 ug/ml
15) T n-Hexacosane (C26)	15.565	3645161	24.075 ug/ml
16) T n-Octacosane (C28)	16.505	3653369	24.249 ug/ml
17) T n-Tricontane (C30)	17.383	3703307	24.161 ug/ml
18) T n-Dotriacontane (C32)	18.205	3606576	23.518 ug/ml
19) T n-Tetratriacontane (C34)	18.980	3301661	22.427 ug/ml
20) T n-Hexatriacontane (C36)	19.710	3086163	21.049 ug/ml
21) T n-Octatriacontane (C38)	20.402	2864220	20.531 ug/ml
22) T n-Tetracontane (C40)	21.159	2651621	20.388 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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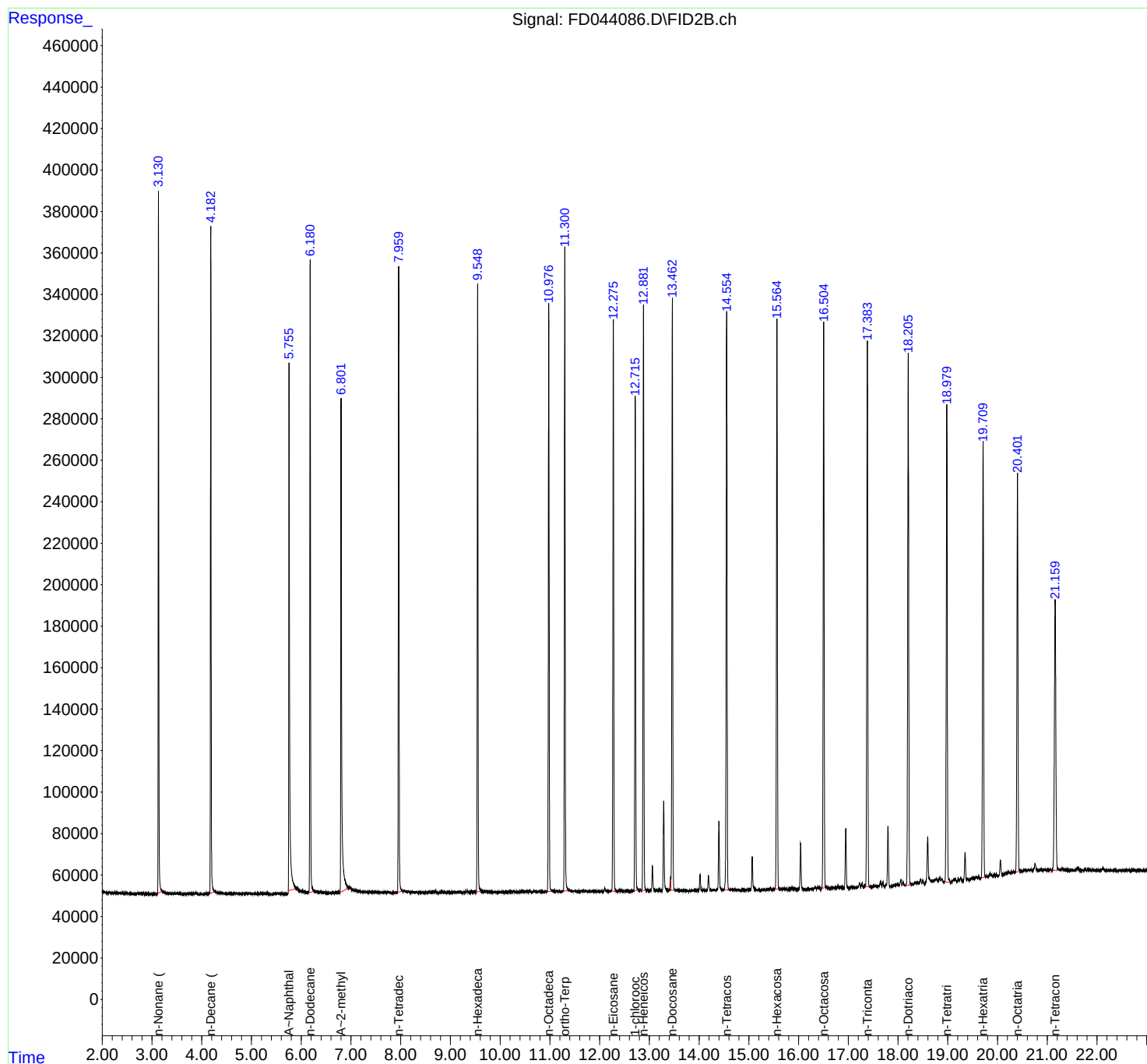
Instrument :
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20 PPM ALIPHATIC HC STD

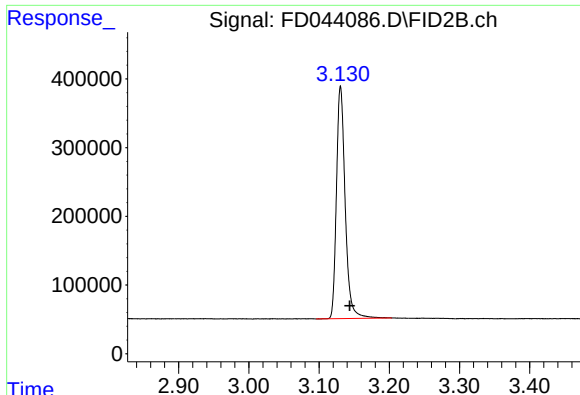
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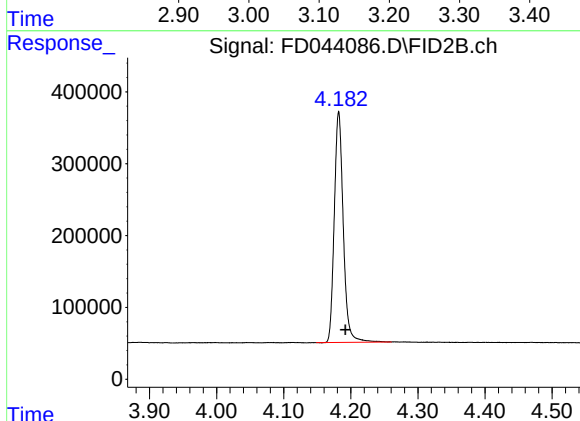
#1 n-Nonane (C9)

R.T.: 3.131 min
Delta R.T.: -0.013 min
Response: 2919822
Conc: 21.62 ug/ml

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20 PPM ALIPHATIC HC STD

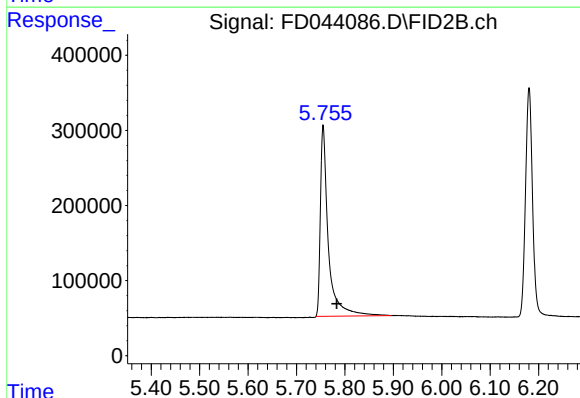
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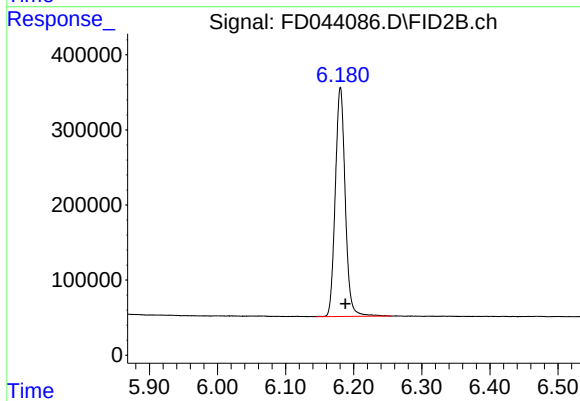
#2 n-Decane (C10)

R.T.: 4.182 min
Delta R.T.: -0.010 min
Response: 2995965
Conc: 22.30 ug/ml



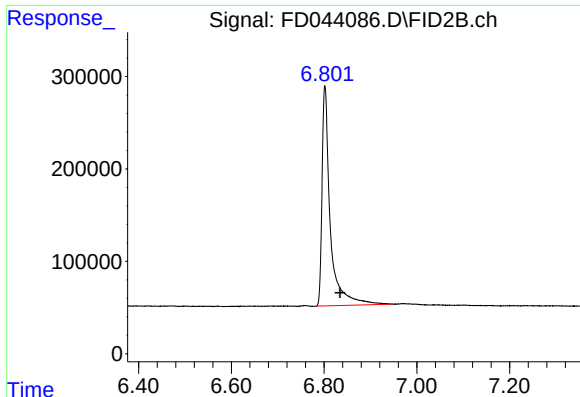
#3 A~Naphthalene (C11.7)

R.T.: 5.755 min
Delta R.T.: -0.028 min
Response: 2927011
Conc: 21.91 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.181 min
Delta R.T.: -0.007 min
Response: 3096253
Conc: 22.28 ug/ml



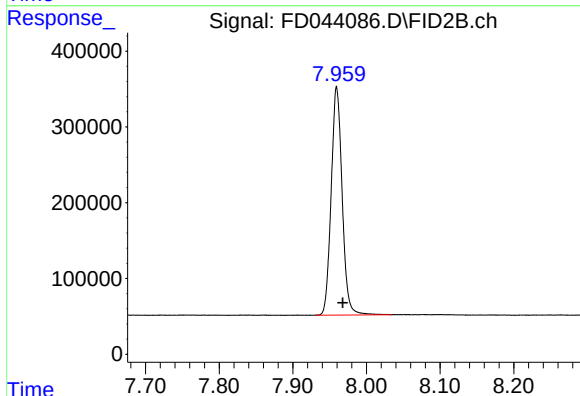
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.801 min
Delta R.T.: -0.033 min
Response: 2959674
Conc: 22.76 ug/ml

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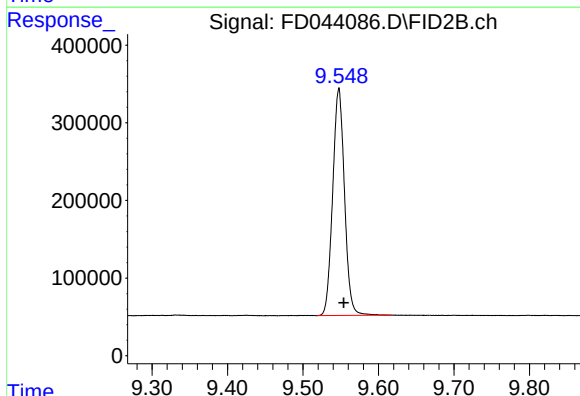
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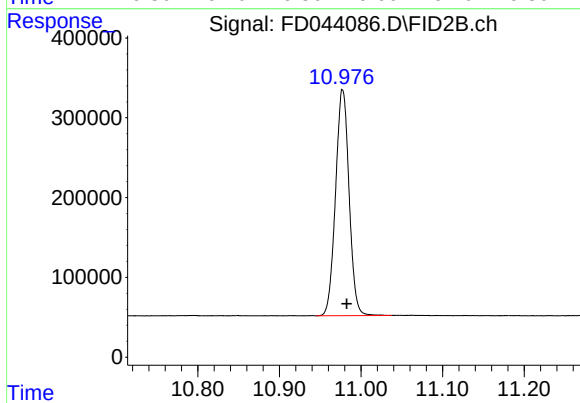
#6 n-Tetradecane (C14)

R.T.: 7.959 min
Delta R.T.: -0.008 min
Response: 3114457
Conc: 22.37 ug/ml



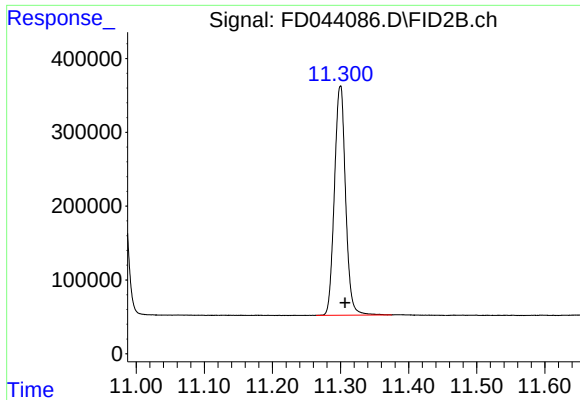
#7 n-Hexadecane (C16)

R.T.: 9.548 min
Delta R.T.: -0.007 min
Response: 3181550
Conc: 22.56 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.978 min
Delta R.T.: -0.005 min
Response: 3266665
Conc: 22.47 ug/ml



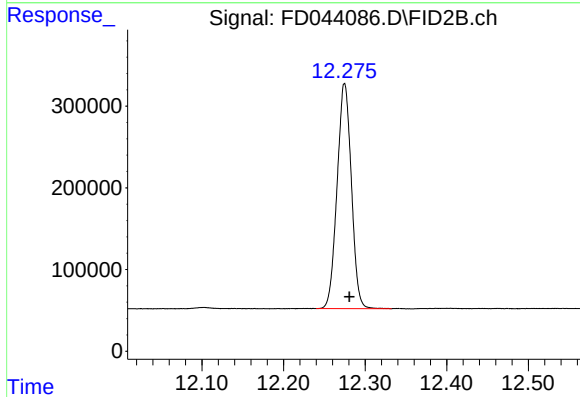
#9 ortho-Terphenyl (SURR)

R.T.: 11.300 min
Delta R.T.: -0.007 min
Response: 3533787
Conc: 22.45 ug/ml

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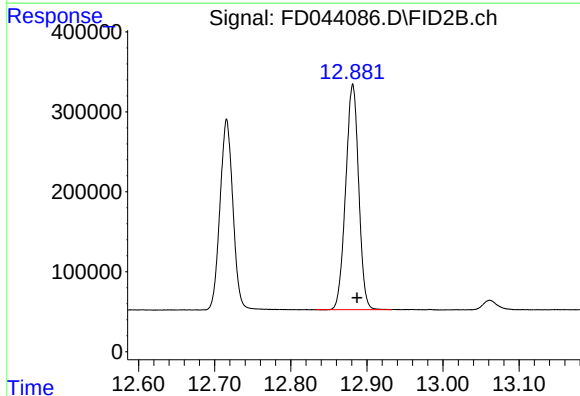
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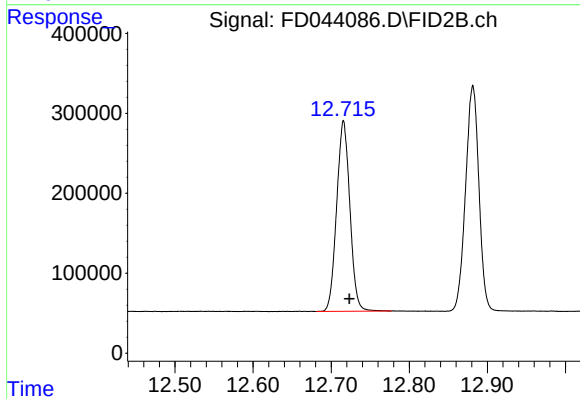
#10 n-Eicosane (C20)

R.T.: 12.275 min
Delta R.T.: -0.006 min
Response: 3353528
Conc: 22.62 ug/ml



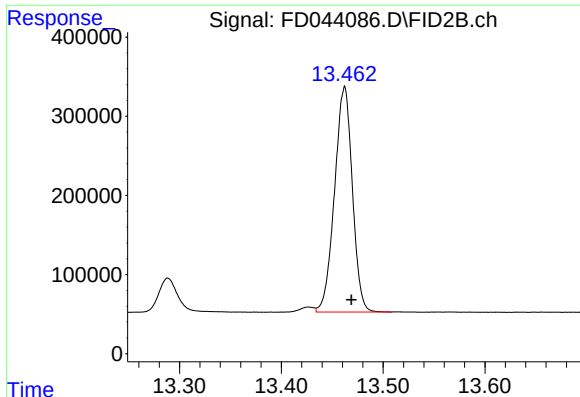
#11 n-Heneicosane (C21)

R.T.: 12.881 min
Delta R.T.: -0.006 min
Response: 3348723
Conc: 22.32 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.716 min
Delta R.T.: -0.008 min
Response: 2800262
Conc: 22.27 ug/ml



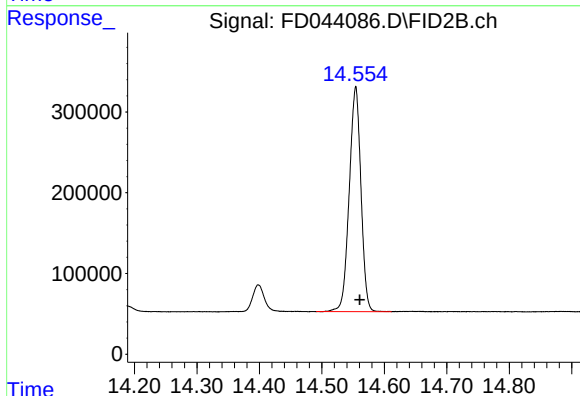
#13 n-Docosane (C22)

R.T.: 13.462 min
Delta R.T.: -0.007 min
Response: 3465515
Conc: 23.05 ug/ml

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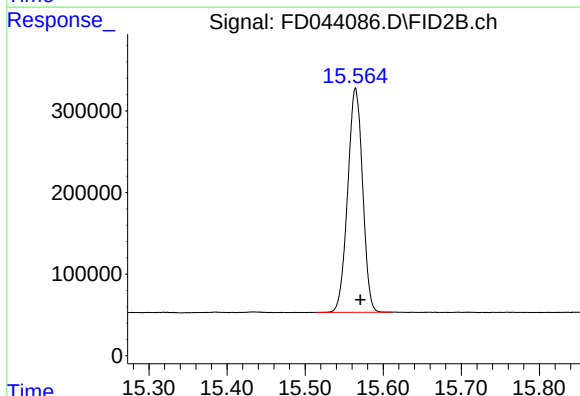
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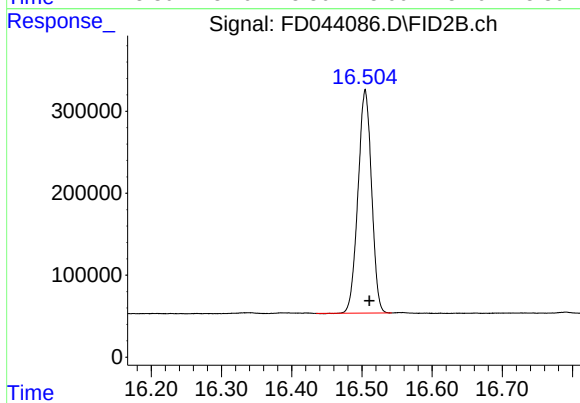
#14 n-Tetracosane (C24)

R.T.: 14.554 min
Delta R.T.: -0.006 min
Response: 3624321
Conc: 24.01 ug/ml



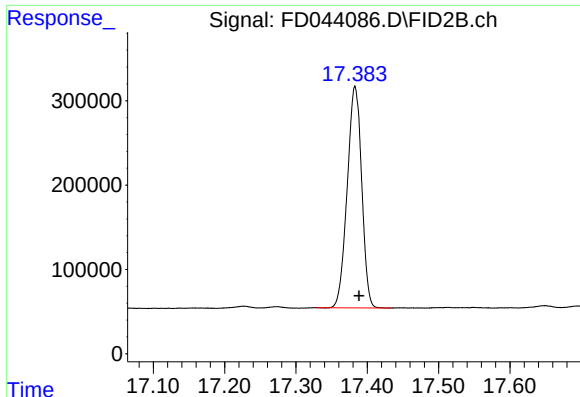
#15 n-Hexacosane (C26)

R.T.: 15.565 min
Delta R.T.: -0.006 min
Response: 3645161
Conc: 24.07 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.505 min
Delta R.T.: -0.006 min
Response: 3653369
Conc: 24.25 ug/ml



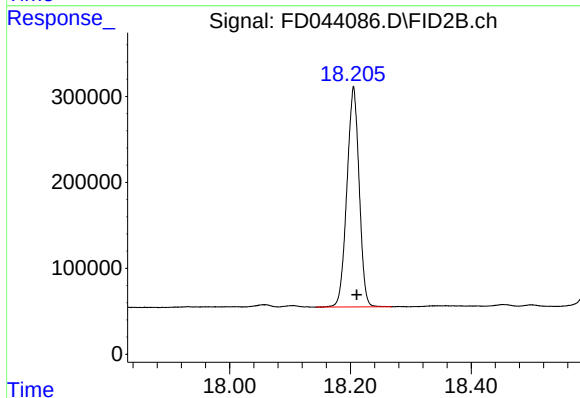
#17 n-Tricontane (C30)

R.T.: 17.383 min
Delta R.T.: -0.006 min
Response: 3703307
Conc: 24.16 ug/ml

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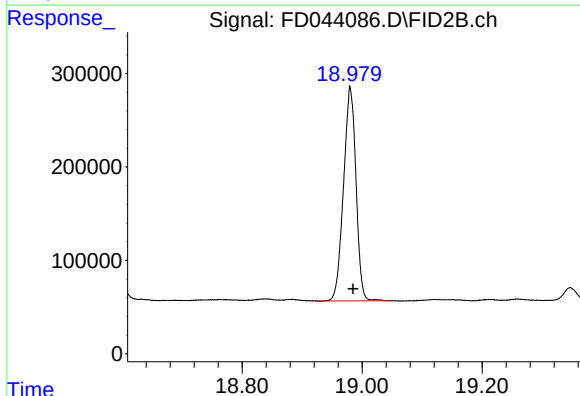
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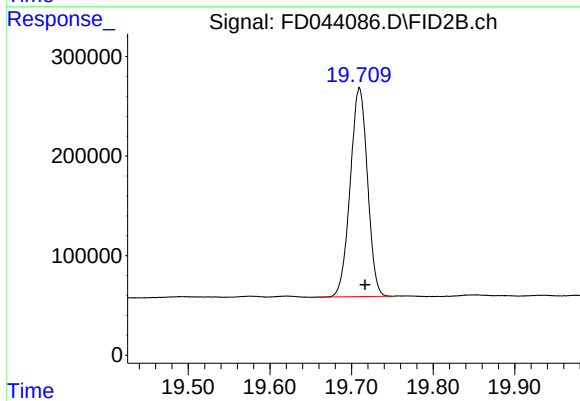
#18 n-Dotriacontane (C32)

R.T.: 18.205 min
Delta R.T.: -0.005 min
Response: 3606576
Conc: 23.52 ug/ml



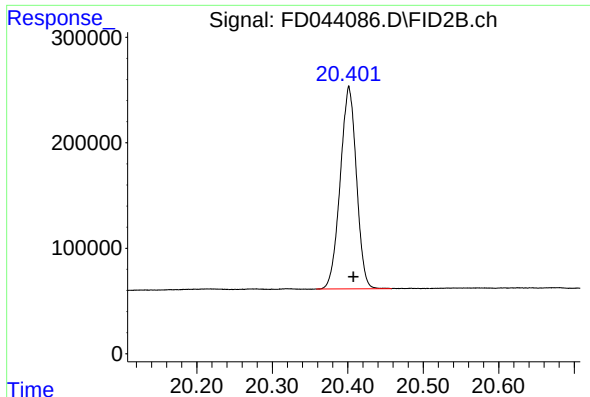
#19 n-Tetratriacontane (C34)

R.T.: 18.980 min
Delta R.T.: -0.005 min
Response: 3301661
Conc: 22.43 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.710 min
Delta R.T.: -0.007 min
Response: 3086163
Conc: 21.05 ug/ml



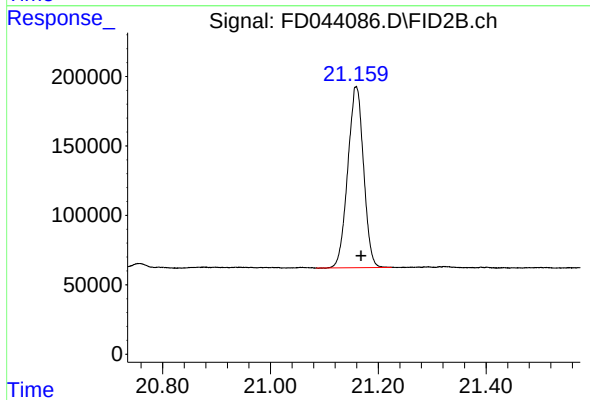
#21 n-Octatriacontane (C38)

R.T.: 20.402 min
Delta R.T.: -0.006 min
Response: 2864220
Conc: 20.53 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.159 min
Delta R.T.: -0.010 min
Response: 2651621
Conc: 20.39 ug/ml