

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101122AL\
 Data File : FD044098.D
 Signal(s) : FID2B.ch
 Acq On : 12 Oct 2022 02:25
 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 07:04:36 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)	11.303	3323955	21.117 ug/ml
Spiked Amount 50.000		Recovery =	42.23%
12) S 1-chlorooctadecane (S...	12.720	2616514	20.805 ug/ml
Spiked Amount 50.000		Recovery =	41.61%
Target Compounds			
1) T n-Nonane (C9)	3.139	2814239	20.842 ug/ml
2) T n-Decane (C10)	4.188	2878419	21.424 ug/ml
3) T A~Naphthalene (C11.7)	5.758	2977796	22.287 ug/ml
4) T n-Dodecane (C12)	6.184	2948452	21.219 ug/ml
5) T A~2-methylnaphthalene...	6.804	3010012	23.149 ug/mlm
6) T n-Tetradecane (C14)	7.964	2975563	21.373 ug/ml
7) T n-Hexadecane (C16)	9.551	3019220	21.405 ug/ml
8) T n-Octadecane (C18)	10.982	3082313	21.198 ug/ml
10) T n-Eicosane (C20)	12.279	3124269	21.069 ug/ml
11) T n-Heneicosane (C21)	12.886	3111360	20.738 ug/ml
13) T n-Docosane (C22)	13.467	3197542	21.268 ug/ml
14) T n-Tetracosane (C24)	14.560	3312230	21.945 ug/ml
15) T n-Hexacosane (C26)	15.571	3273987	21.623 ug/ml
16) T n-Octacosane (C28)	16.512	3193005	21.194 ug/ml
17) T n-Tricontane (C30)	17.390	3158617	20.608 ug/ml
18) T n-Dotriacontane (C32)	18.213	3032657	19.775 ug/ml
19) T n-Tetratriacontane (C34)	18.987	2792303	18.967 ug/ml
20) T n-Hexatriacontane (C36)	19.719	2687983	18.333 ug/mlm
21) T n-Octatriacontane (C38)	20.410	2624830	18.815 ug/mlm
22) T n-Tetracontane (C40)	21.171	2464627	18.950 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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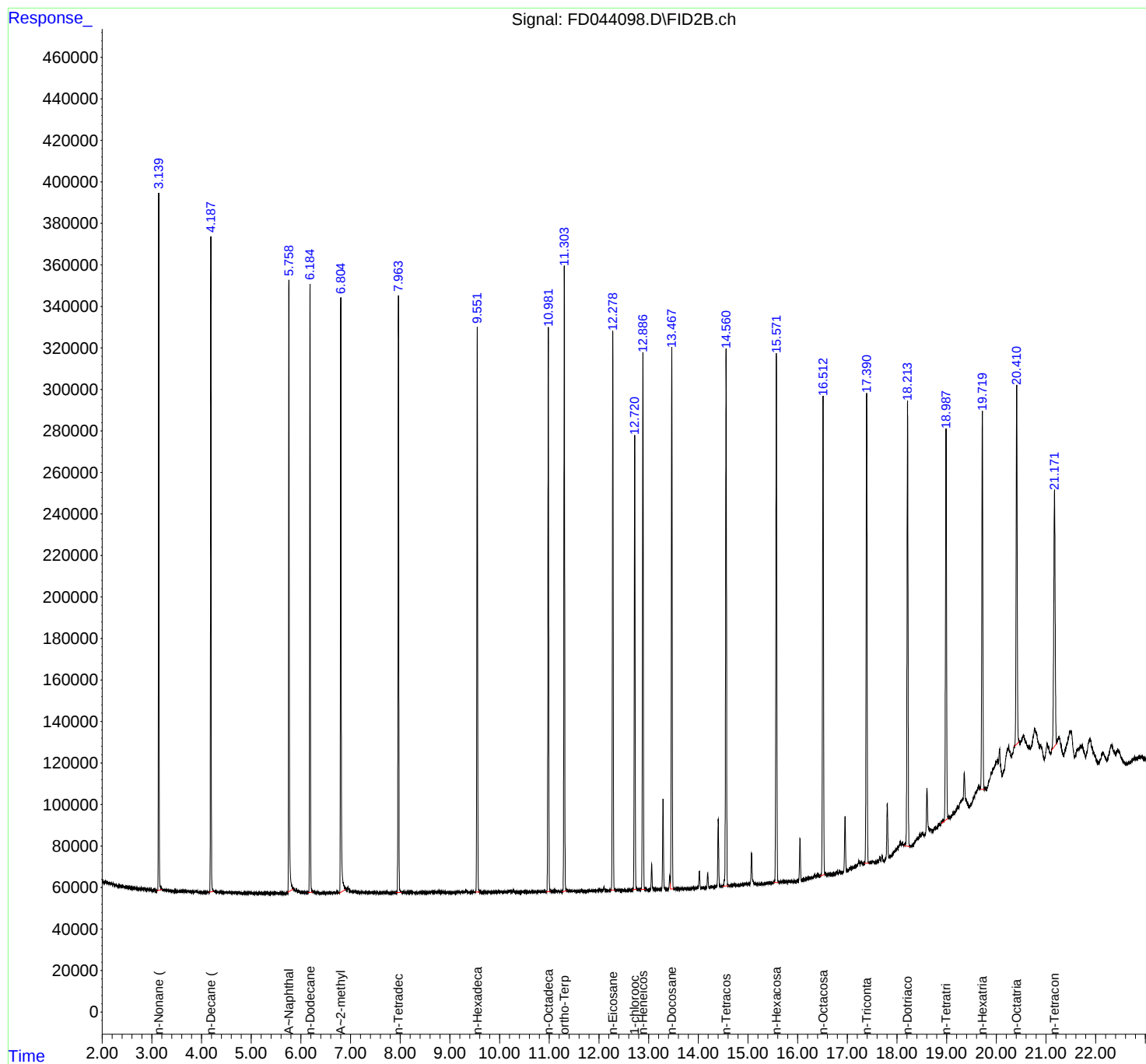
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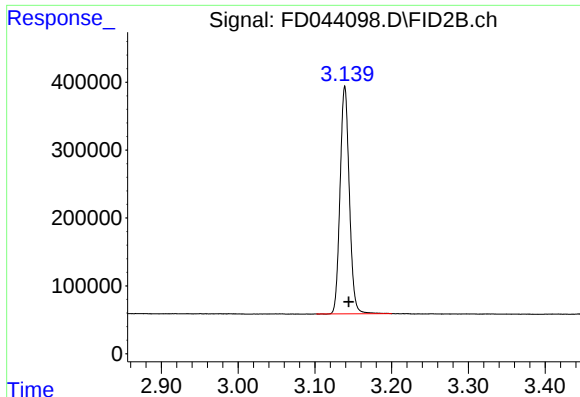
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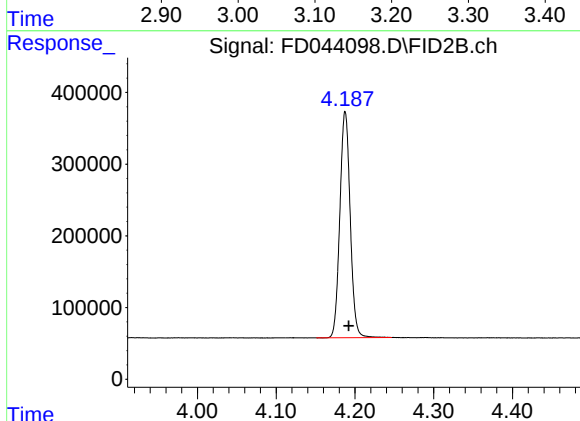
#1 n-Nonane (C9)

R.T.: 3.139 min
Delta R.T.: -0.005 min
Response: 2814239
Conc: 20.84 ug/ml

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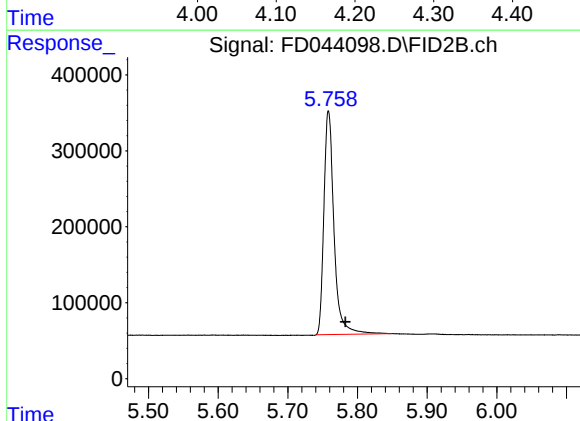
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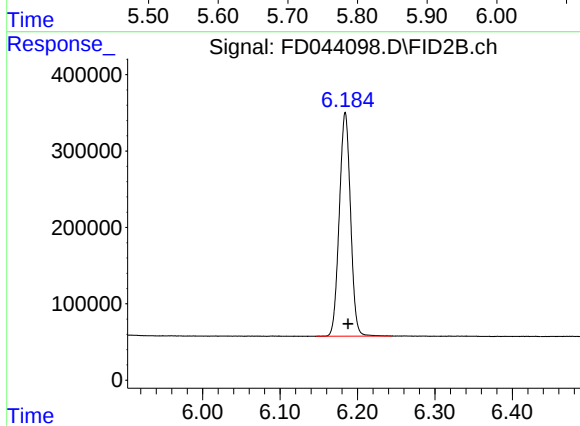
#2 n-Decane (C10)

R.T.: 4.188 min
Delta R.T.: -0.005 min
Response: 2878419
Conc: 21.42 ug/ml



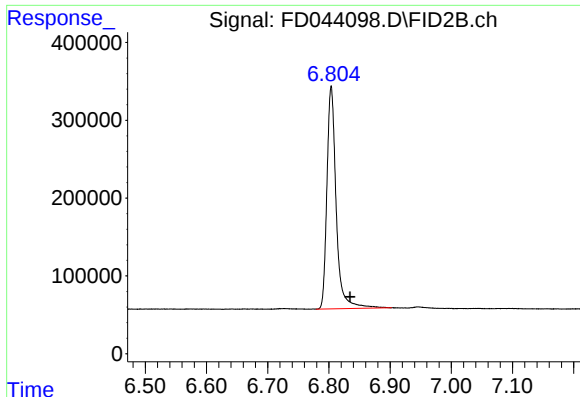
#3 A~Naphthalene (C11.7)

R.T.: 5.758 min
Delta R.T.: -0.024 min
Response: 2977796
Conc: 22.29 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.184 min
Delta R.T.: -0.004 min
Response: 2948452
Conc: 21.22 ug/ml



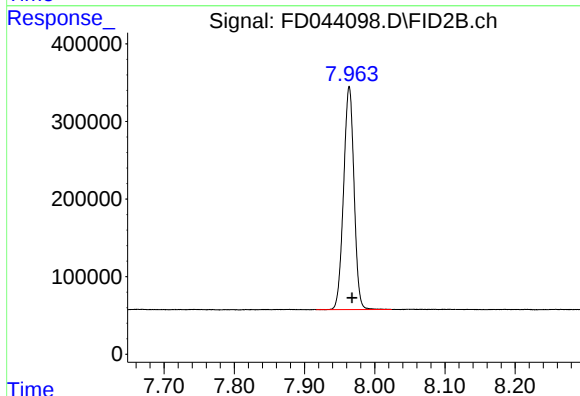
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.804 min
Delta R.T.: -0.031 min
Response: 3010012
Conc: 23.15 ug/ml

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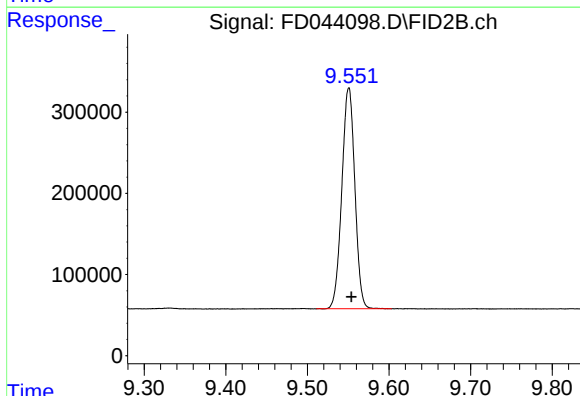
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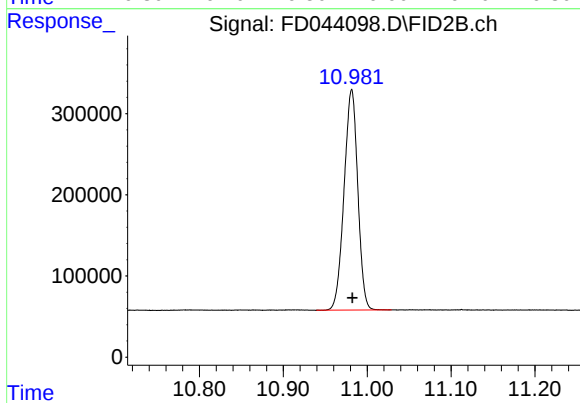
#6 n-Tetradecane (C14)

R.T.: 7.964 min
Delta R.T.: -0.004 min
Response: 2975563
Conc: 21.37 ug/ml



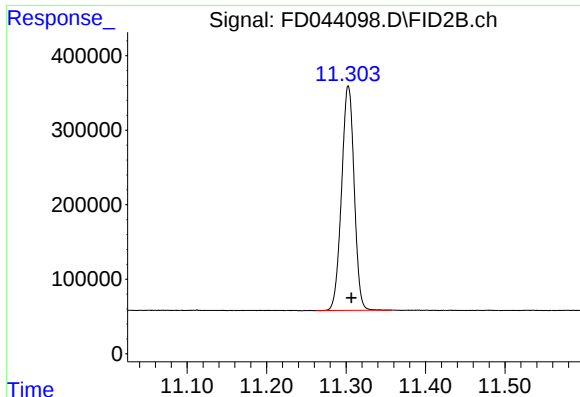
#7 n-Hexadecane (C16)

R.T.: 9.551 min
Delta R.T.: -0.003 min
Response: 3019220
Conc: 21.41 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.982 min
Delta R.T.: 0.000 min
Response: 3082313
Conc: 21.20 ug/ml



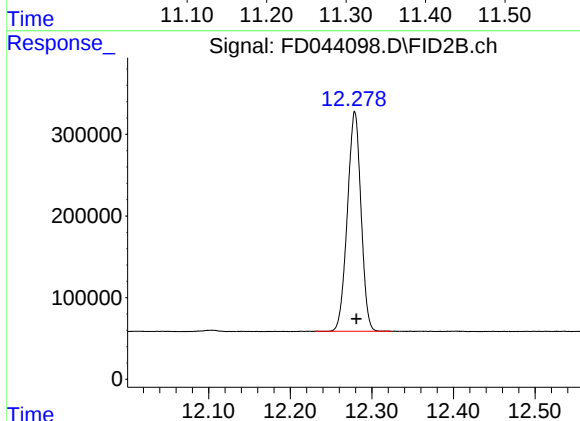
#9 ortho-Terphenyl (SURR)

R.T.: 11.303 min
Delta R.T.: -0.004 min
Response: 3323955
Conc: 21.12 ug/ml

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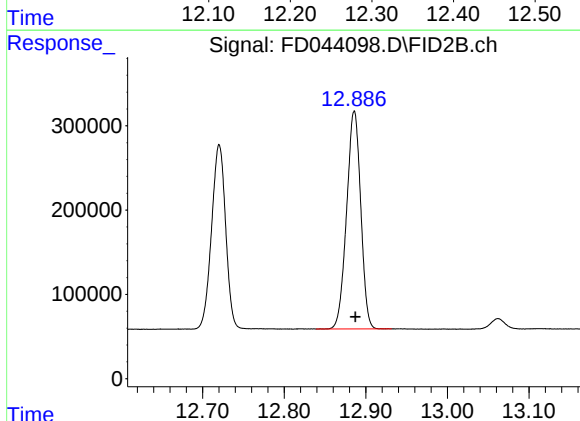
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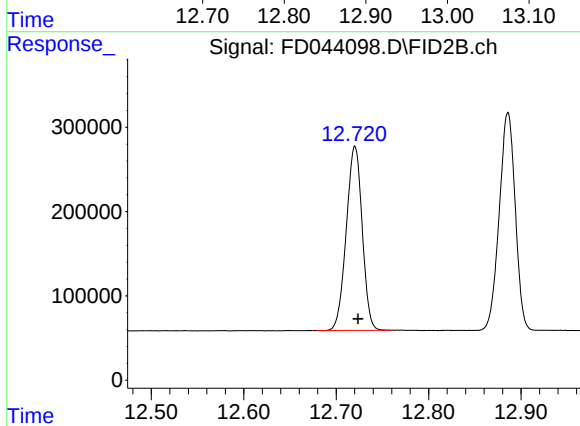
#10 n-Eicosane (C20)

R.T.: 12.279 min
Delta R.T.: -0.002 min
Response: 3124269
Conc: 21.07 ug/ml



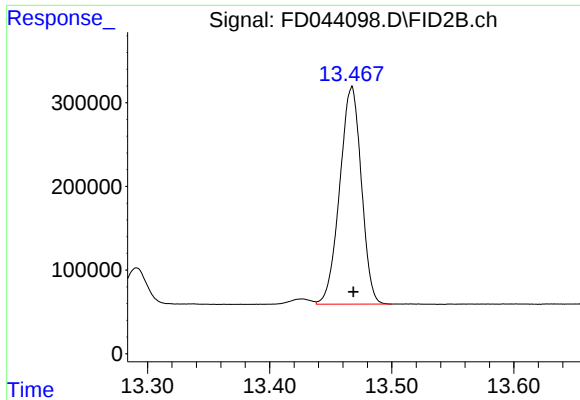
#11 n-Heneicosane (C21)

R.T.: 12.886 min
Delta R.T.: -0.001 min
Response: 3111360
Conc: 20.74 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.720 min
Delta R.T.: -0.003 min
Response: 2616514
Conc: 20.80 ug/ml



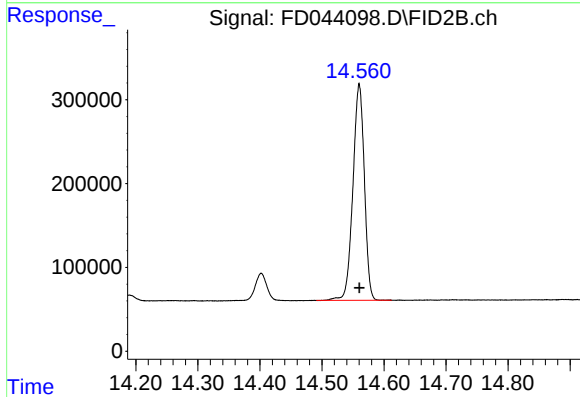
#13 n-Docosane (C22)

R.T.: 13.467 min
Delta R.T.: -0.001 min
Response: 3197542
Conc: 21.27 ug/ml

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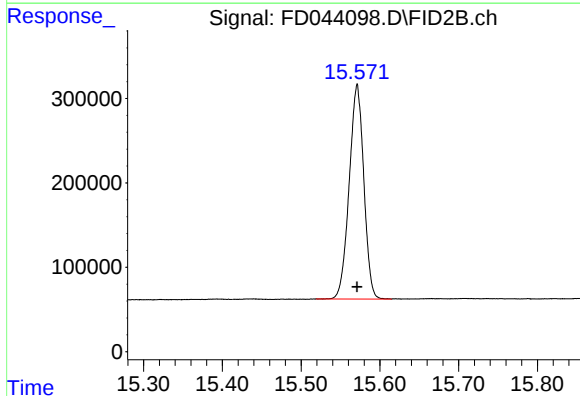
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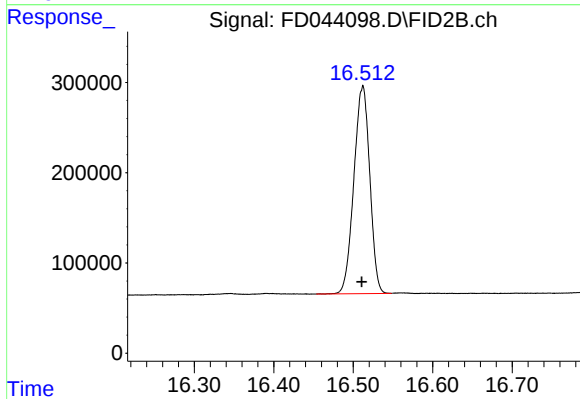
#14 n-Tetracosane (C24)

R.T.: 14.560 min
Delta R.T.: 0.000 min
Response: 3312230
Conc: 21.94 ug/ml



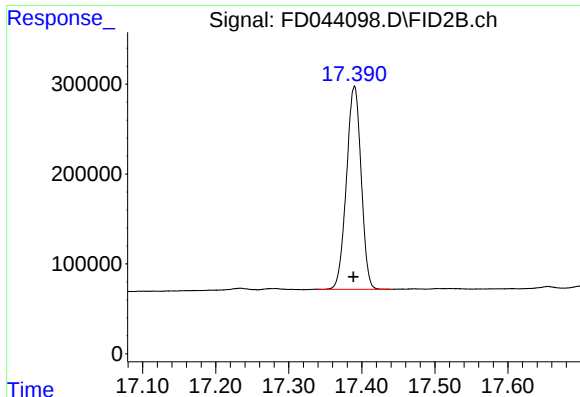
#15 n-Hexacosane (C26)

R.T.: 15.571 min
Delta R.T.: 0.000 min
Response: 3273987
Conc: 21.62 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.512 min
Delta R.T.: 0.001 min
Response: 3193005
Conc: 21.19 ug/ml



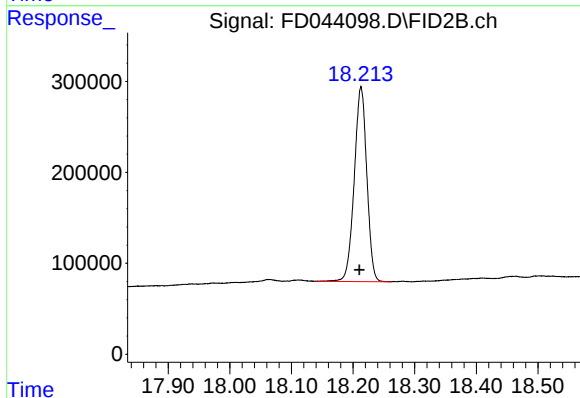
#17 n-Tricontane (C30)

R.T.: 17.390 min
Delta R.T.: 0.001 min
Response: 3158617
Conc: 20.61 ug/ml

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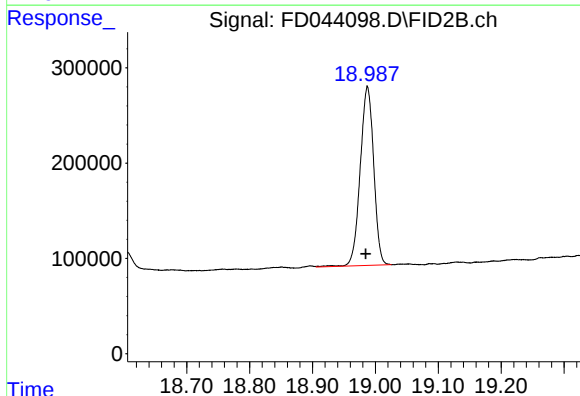
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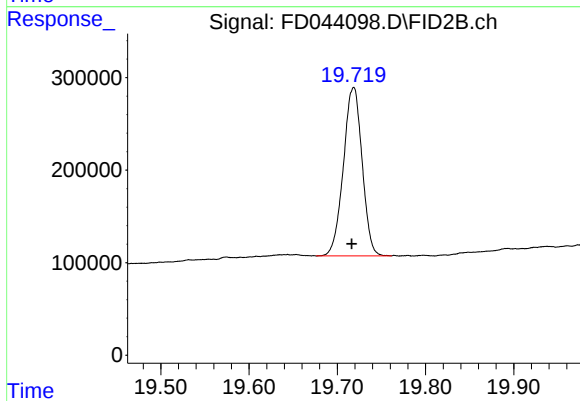
#18 n-Dotriacontane (C32)

R.T.: 18.213 min
Delta R.T.: 0.002 min
Response: 3032657
Conc: 19.78 ug/ml



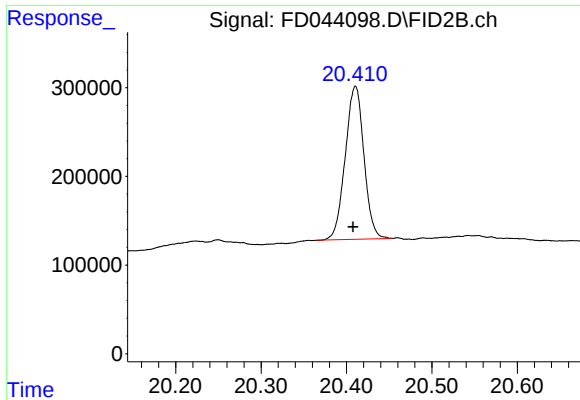
#19 n-Tetratriacontane (C34)

R.T.: 18.987 min
Delta R.T.: 0.003 min
Response: 2792303
Conc: 18.97 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.719 min
Delta R.T.: 0.002 min
Response: 2687983
Conc: 18.33 ug/ml m



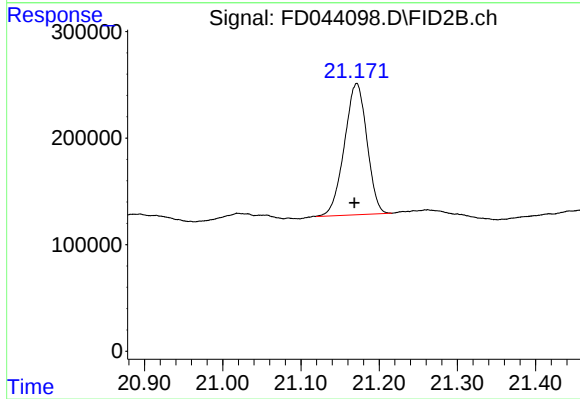
#21 n-Octatriacontane (C38)

R.T.: 20.410 min
Delta R.T.: 0.002 min
Response: 2624830
Conc: 18.81 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.171 min
Delta R.T.: 0.003 min
Response: 2464627
Conc: 18.95 ug/ml m