

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101222AL\
 Data File : FD044121.D
 Signal(s) : FID2B.ch
 Acq On : 13 Oct 2022 18:51
 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 10/14/2022
 Supervised By :Ankita Jodhani 10/14/2022

Integration File: autoint1.e
 Quant Time: Oct 14 05:34:14 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)	11.308	3448495	21.908 ug/ml
Spiked Amount 50.000		Recovery =	43.82%
12) S 1-chlorooctadecane (S...	12.725	2729546	21.704 ug/ml
Spiked Amount 50.000		Recovery =	43.41%
Target Compounds			
1) T n-Nonane (C9)	3.132	2898328	21.465 ug/ml
2) T n-Decane (C10)	4.185	2982331	22.198 ug/ml
3) T A~Naphthalene (C11.7)	5.758	3086489	23.100 ug/ml
4) T n-Dodecane (C12)	6.185	3059660	22.019 ug/ml
5) T A~2-methylnaphthalene...	6.805	3084997	23.726 ug/mlm
6) T n-Tetradecane (C14)	7.965	3099017	22.260 ug/ml
7) T n-Hexadecane (C16)	9.555	3156242	22.376 ug/ml
8) T n-Octadecane (C18)	10.986	3233781	22.239 ug/ml
10) T n-Eicosane (C20)	12.284	3286845	22.165 ug/ml
11) T n-Heneicosane (C21)	12.891	3245817	21.634 ug/ml
13) T n-Docosane (C22)	13.472	3370833	22.420 ug/ml
14) T n-Tetracosane (C24)	14.566	3551132	23.528 ug/ml
15) T n-Hexacosane (C26)	15.576	3467578	22.902 ug/ml
16) T n-Octacosane (C28)	16.516	3367819	22.354 ug/ml
17) T n-Tricontane (C30)	17.396	3381421	22.061 ug/ml
18) T n-Dotriacontane (C32)	18.219	3217614	20.981 ug/ml
19) T n-Tetratriacontane (C34)	18.993	3002191	20.393 ug/ml
20) T n-Hexatriacontane (C36)	19.726	2903200	19.801 ug/ml
21) T n-Octatriacontane (C38)	20.418	2710267	19.427 ug/mlm
22) T n-Tetracontane (C40)	21.180	2522825	19.398 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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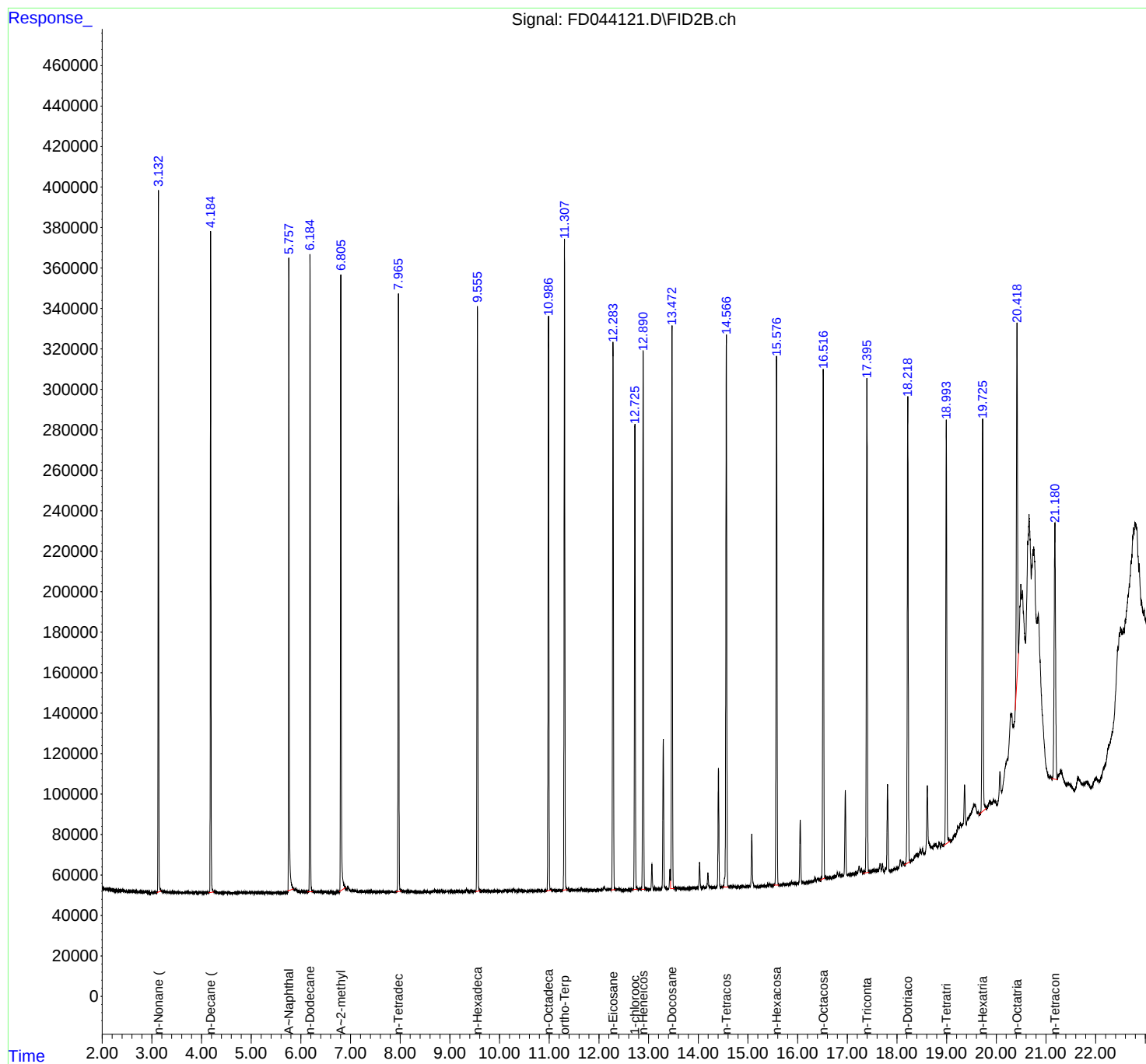
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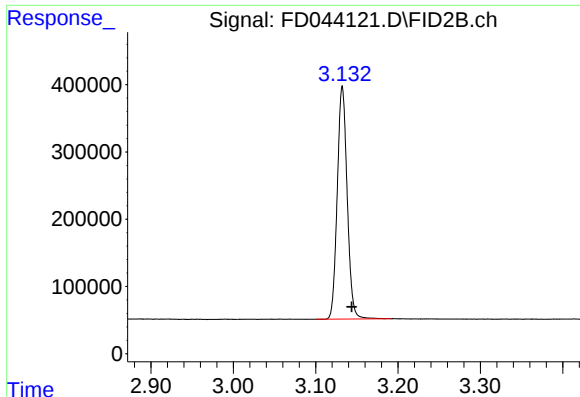
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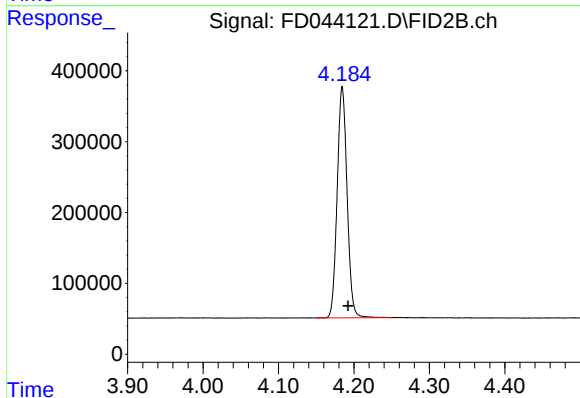
#1 n-Nonane (C9)

R.T.: 3.132 min
Delta R.T.: -0.012 min
Response: 2898328
Conc: 21.47 ug/ml

Instrument :
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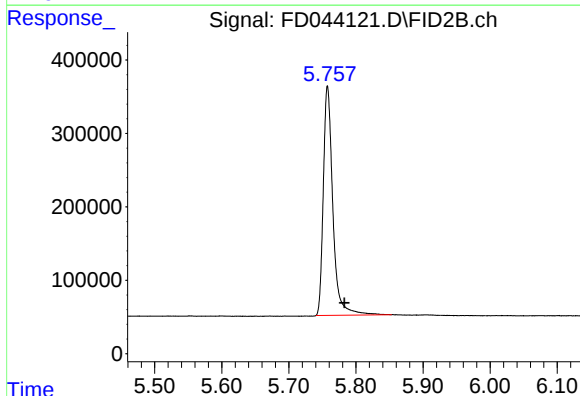
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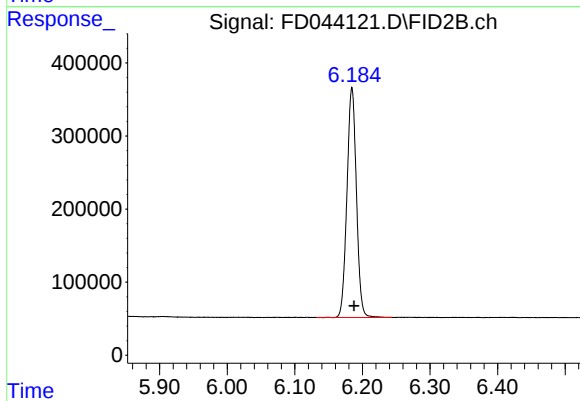
#2 n-Decane (C10)

R.T.: 4.185 min
Delta R.T.: -0.008 min
Response: 2982331
Conc: 22.20 ug/ml



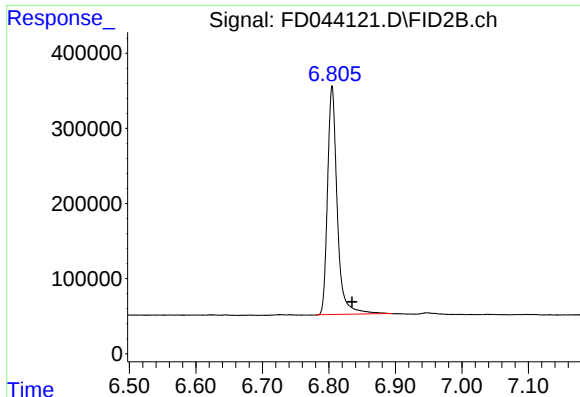
#3 A~Naphthalene (C11.7)

R.T.: 5.758 min
Delta R.T.: -0.025 min
Response: 3086489
Conc: 23.10 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.185 min
Delta R.T.: -0.003 min
Response: 3059660
Conc: 22.02 ug/ml



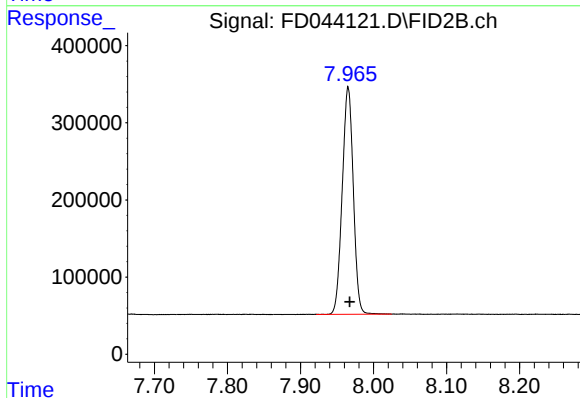
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.805 min
Delta R.T.: -0.030 min
Response: 3084997
Conc: 23.73 ug/ml

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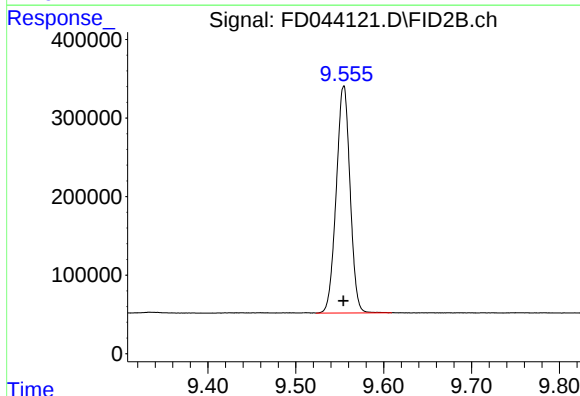
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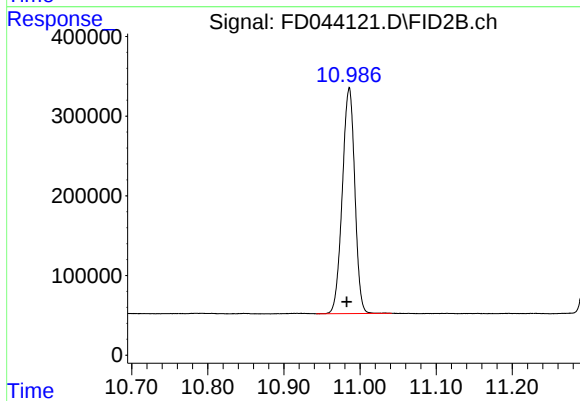
#6 n-Tetradecane (C14)

R.T.: 7.965 min
Delta R.T.: -0.002 min
Response: 3099017
Conc: 22.26 ug/ml



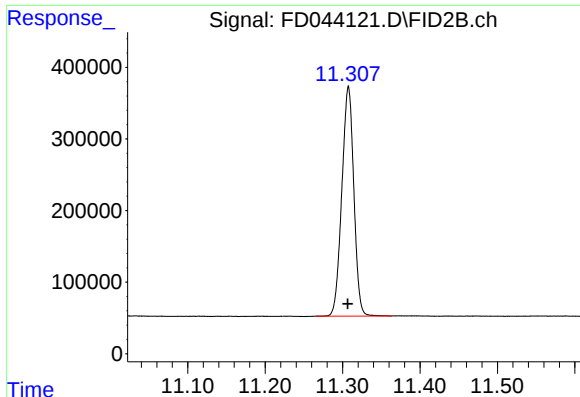
#7 n-Hexadecane (C16)

R.T.: 9.555 min
Delta R.T.: 0.000 min
Response: 3156242
Conc: 22.38 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.986 min
Delta R.T.: 0.003 min
Response: 3233781
Conc: 22.24 ug/ml



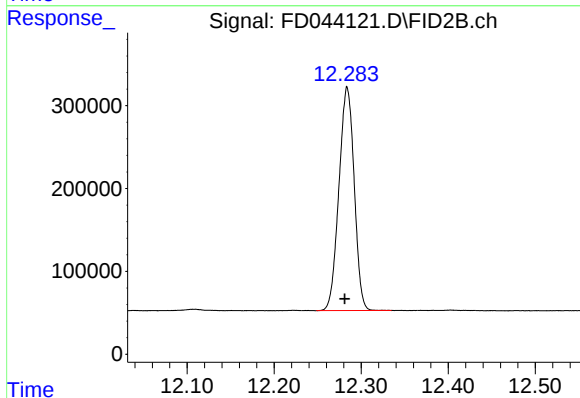
#9 ortho-Terphenyl (SURR)

R.T.: 11.308 min
Delta R.T.: 0.000 min
Response: 3448495
Conc: 21.91 ug/ml

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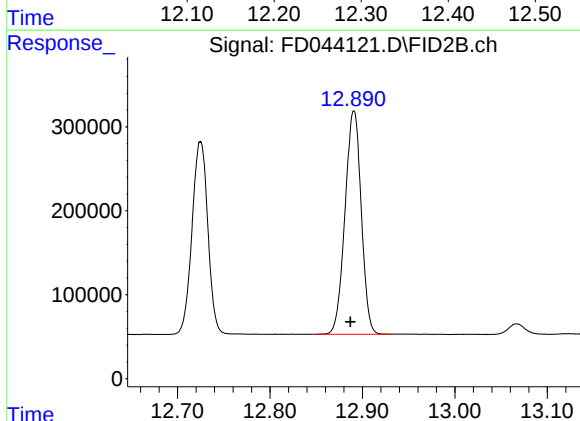
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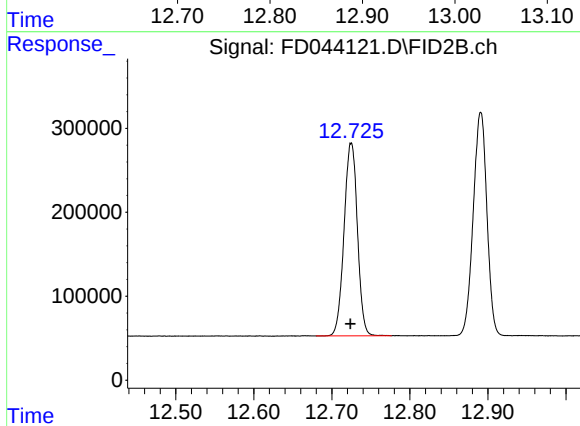
#10 n-Eicosane (C20)

R.T.: 12.284 min
Delta R.T.: 0.003 min
Response: 3286845
Conc: 22.17 ug/ml



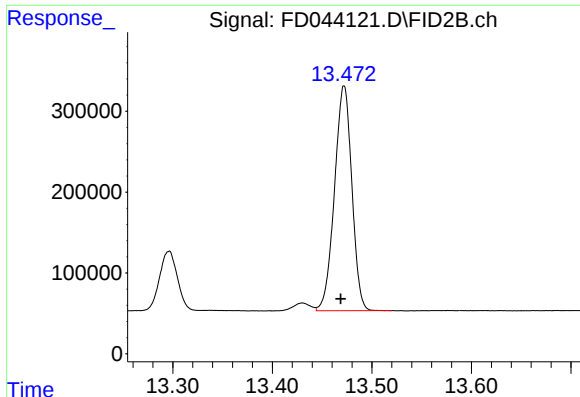
#11 n-Heneicosane (C21)

R.T.: 12.891 min
Delta R.T.: 0.004 min
Response: 3245817
Conc: 21.63 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.725 min
Delta R.T.: 0.001 min
Response: 2729546
Conc: 21.70 ug/ml



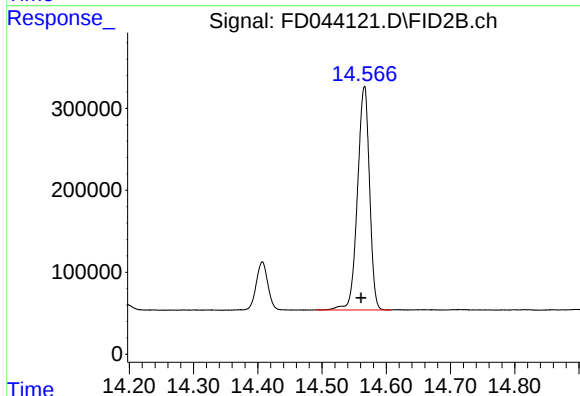
#13 n-Docosane (C22)

R.T.: 13.472 min
Delta R.T.: 0.003 min
Response: 3370833
Conc: 22.42 ug/ml

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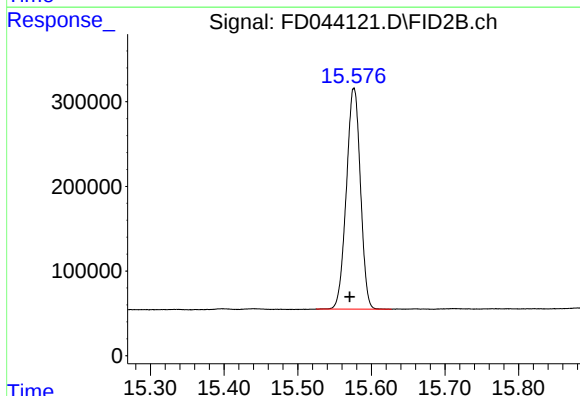
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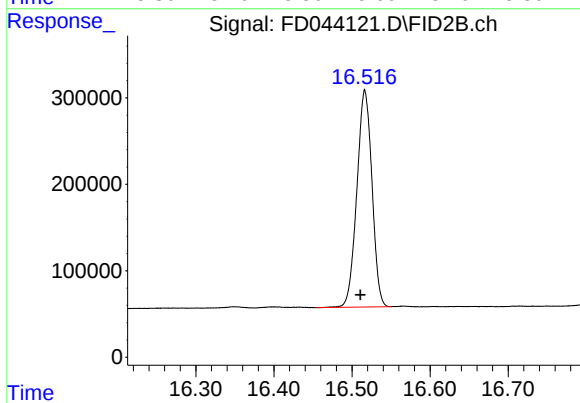
#14 n-Tetracosane (C24)

R.T.: 14.566 min
Delta R.T.: 0.005 min
Response: 3551132
Conc: 23.53 ug/ml



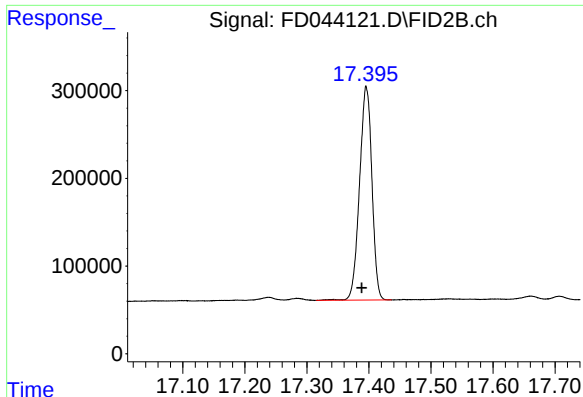
#15 n-Hexacosane (C26)

R.T.: 15.576 min
Delta R.T.: 0.006 min
Response: 3467578
Conc: 22.90 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.516 min
Delta R.T.: 0.006 min
Response: 3367819
Conc: 22.35 ug/ml



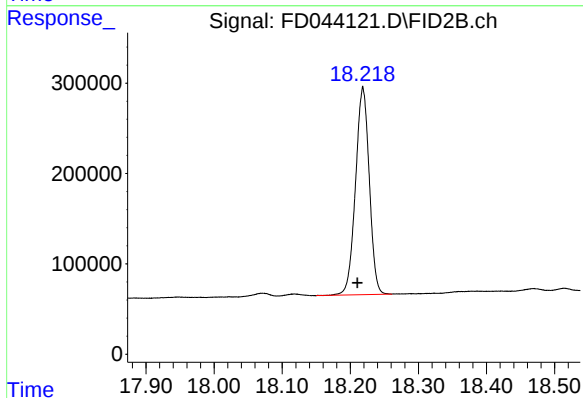
#17 n-Tricontane (C30)

R.T.: 17.396 min
Delta R.T.: 0.007 min
Response: 3381421
Conc: 22.06 ug/ml

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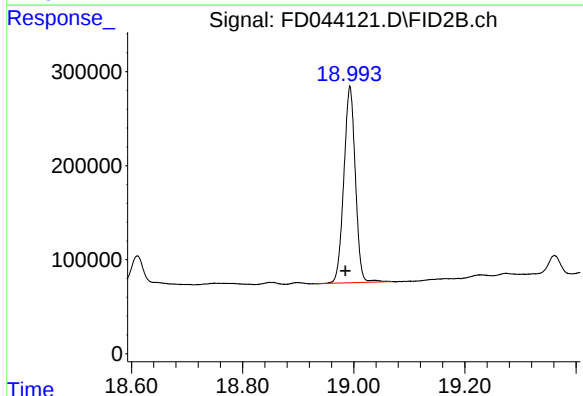
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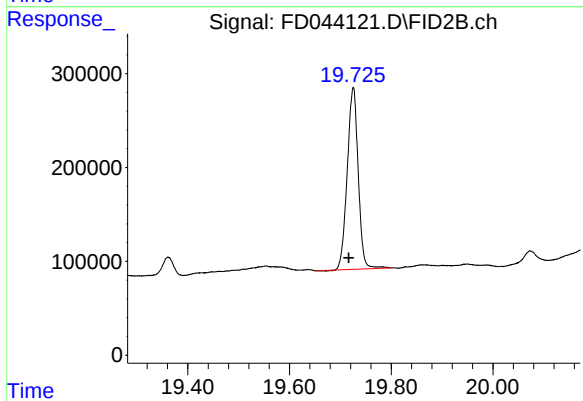
#18 n-Dotriacontane (C32)

R.T.: 18.219 min
Delta R.T.: 0.008 min
Response: 3217614
Conc: 20.98 ug/ml



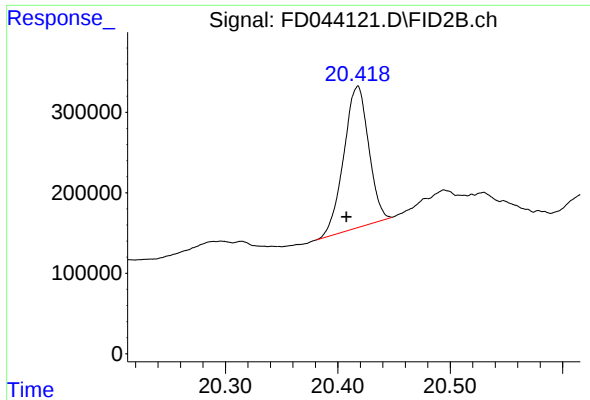
#19 n-Tetratriacontane (C34)

R.T.: 18.993 min
Delta R.T.: 0.009 min
Response: 3002191
Conc: 20.39 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.726 min
Delta R.T.: 0.009 min
Response: 2903200
Conc: 19.80 ug/ml



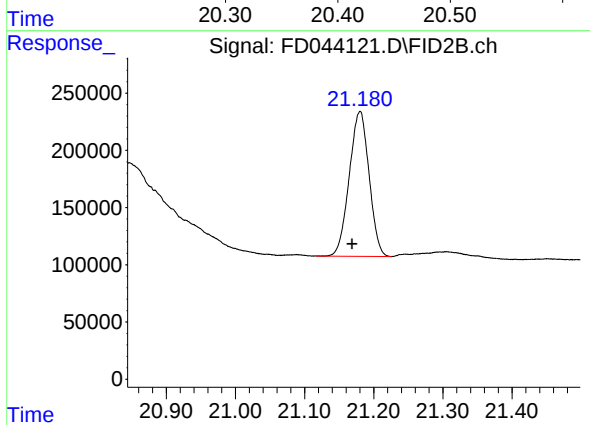
#21 n-Octatriacontane (C38)

R.T.: 20.418 min
Delta R.T.: 0.010 min
Response: 2710267
Conc: 19.43 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.180 min
Delta R.T.: 0.012 min
Response: 2522825
Conc: 19.40 ug/ml