

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE102023AL\
 Data File : FE044972.D
 Signal(s) : FID1B.ch
 Acq On : 21 Oct 2023 05:50
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/23/2023
 Supervised By :Ankita Jodhani 10/23/2023

Integration File: autoint1.e
 Quant Time: Oct 21 06:12:01 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101223.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 12 06:15:32 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)	11.900	3813050	19.021 ug/ml
Spiked Amount 50.000		Recovery =	38.04%
12) S 1-chlorooctadecane (S...	13.342	2758129	18.638 ug/ml
Spiked Amount 50.000		Recovery =	37.28%
Target Compounds			
1) T n-Nonane (C9)	3.283	3282930	19.570 ug/ml
2) T n-Decane (C10)	4.535	3342311	19.620 ug/ml
3) T A~Naphthalene (C11.7)	6.235	3546509	19.158 ug/ml
4) T n-Dodecane (C12)	6.701	3375429	19.554 ug/ml
5) T A~2-methylnaphthalene...	7.331	3401956	18.859 ug/ml
6) T n-Tetradecane (C14)	8.529	3325271	19.392 ug/ml
7) T n-Hexadecane (C16)	10.139	3357441	19.200 ug/ml
8) T n-Octadecane (C18)	11.585	3331477	19.101 ug/ml
10) T n-Eicosane (C20)	12.897	3171539	18.988 ug/ml
11) T n-Heneicosane (C21)	13.511	3054597	18.738 ug/ml
13) T n-Docosane (C22)	14.097	3076542	19.234 ug/mlm
14) T n-Tetracosane (C24)	15.203	3058142	19.705 ug/ml
15) T n-Hexacosane (C26)	16.225	3153450	21.004 ug/ml
16) T n-Octacosane (C28)	17.177	3259823	22.199 ug/ml
17) T n-Tricontane (C30)	18.066	3433568	23.086 ug/ml
18) T n-Dotriacontane (C32)	18.901	3513100	23.406 ug/ml
19) T n-Tetratriacontane (C34)	19.686	3334242	22.398 ug/mlm
20) T n-Hexatriacontane (C36)	20.428	3284598	21.365 ug/ml
21) T n-Octatriacontane (C38)	21.168	3313735	21.213 ug/ml
22) T n-Tetracontane (C40)	22.085	3384797	20.253 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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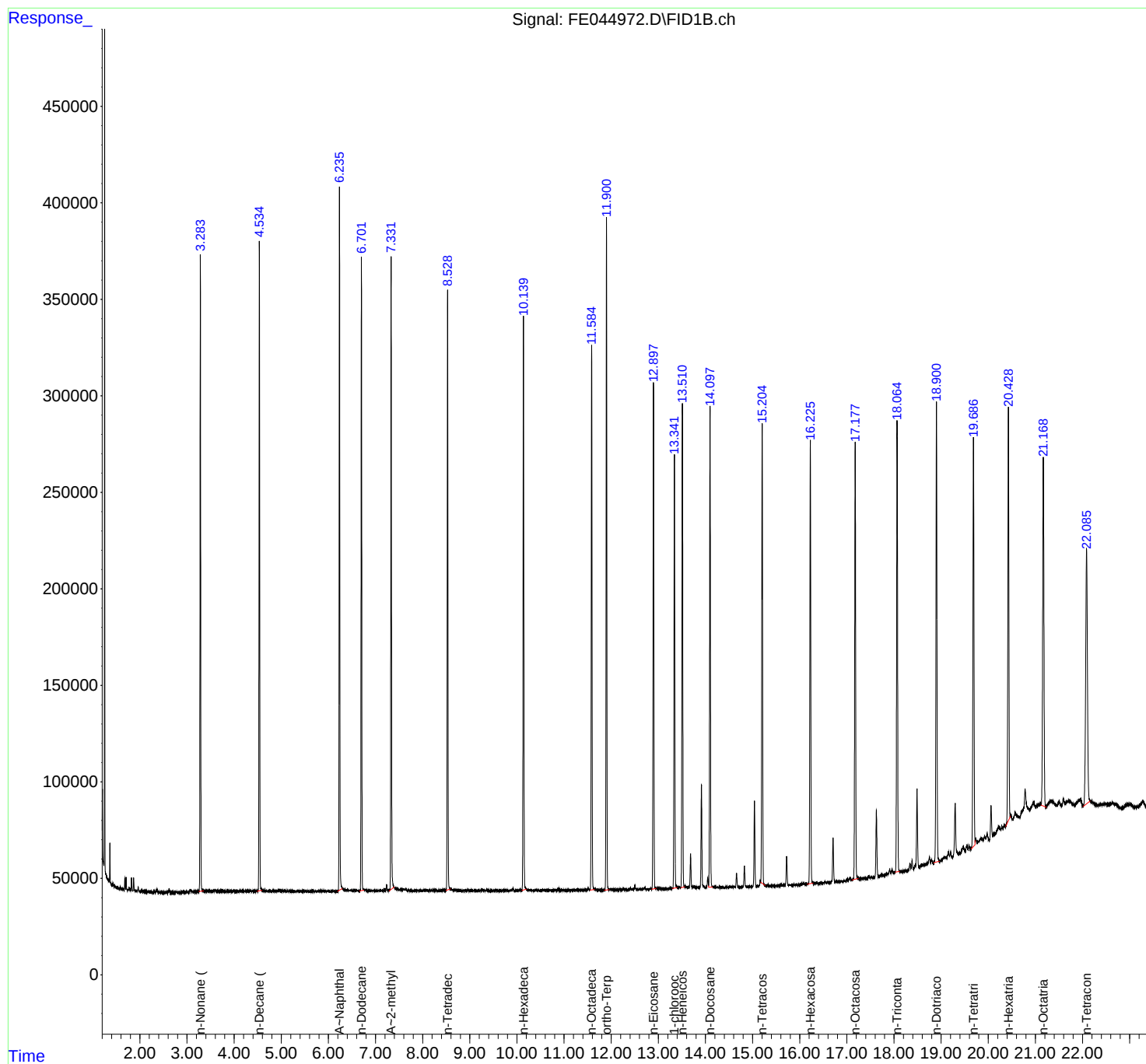
Instrument :
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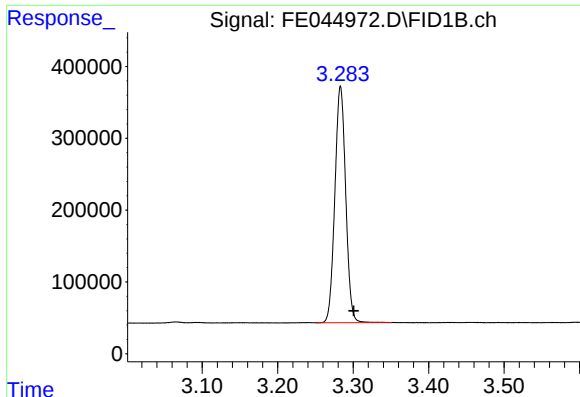
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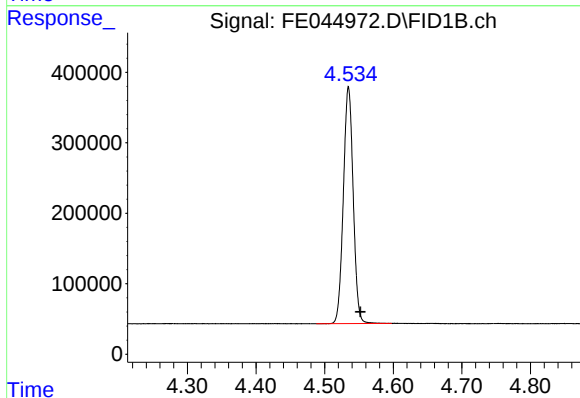
#1 n-Nonane (C9)

R.T.: 3.283 min
Delta R.T.: -0.018 min
Response: 3282930
Conc: 19.57 ug/ml

Instrument :
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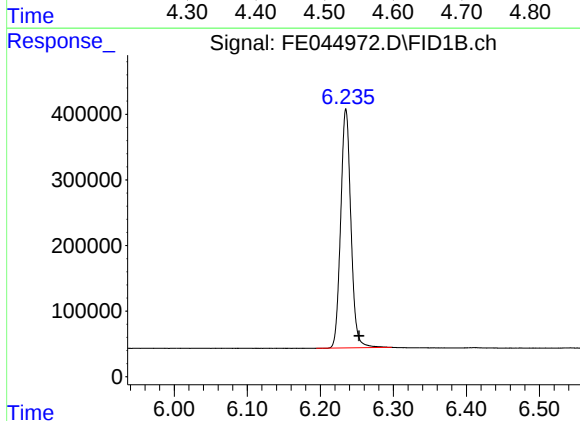
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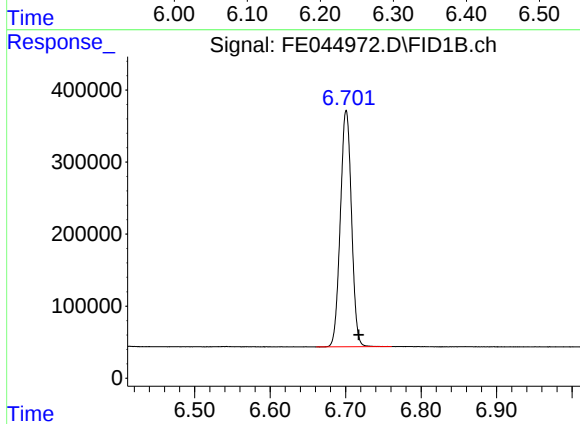
#2 n-Decane (C10)

R.T.: 4.535 min
Delta R.T.: -0.017 min
Response: 3342311
Conc: 19.62 ug/ml



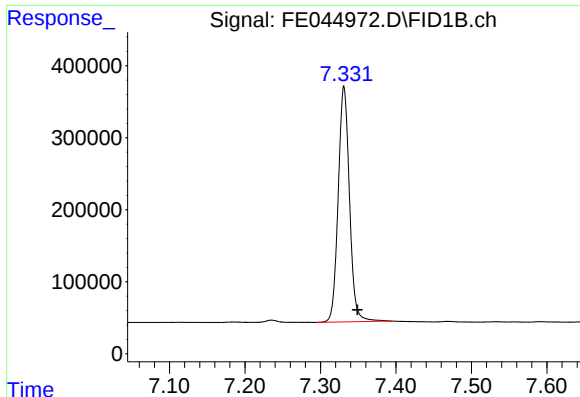
#3 A~Naphthalene (C11.7)

R.T.: 6.235 min
Delta R.T.: -0.018 min
Response: 3546509
Conc: 19.16 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.701 min
Delta R.T.: -0.017 min
Response: 3375429
Conc: 19.55 ug/ml



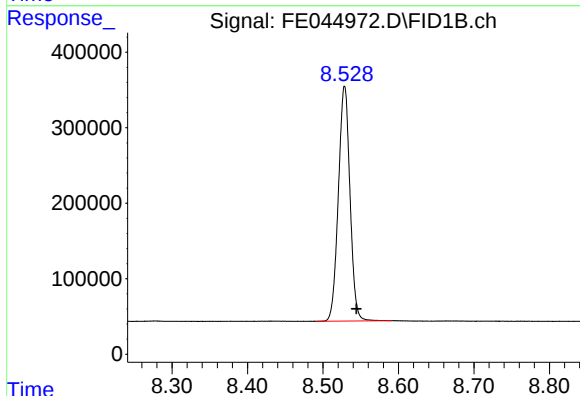
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.331 min
Delta R.T.: -0.018 min
Response: 3401956
Conc: 18.86 ug/ml

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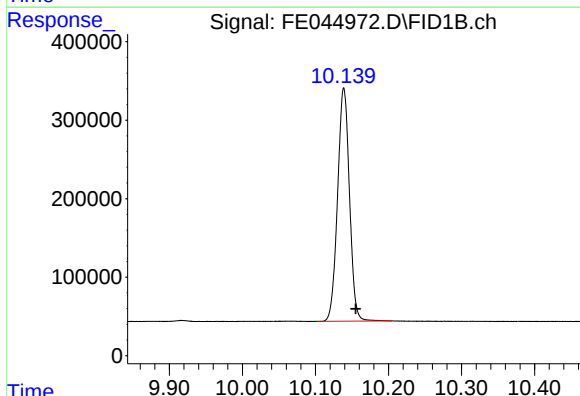
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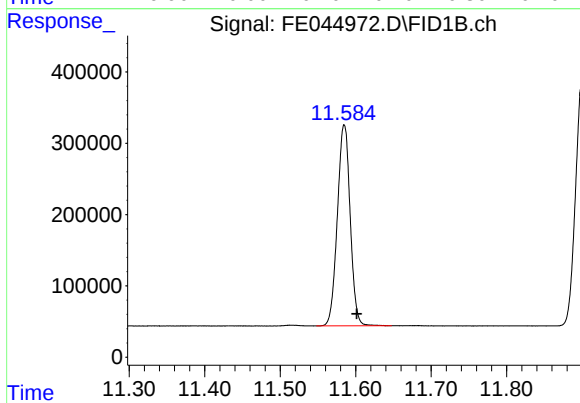
#6 n-Tetradecane (C14)

R.T.: 8.529 min
Delta R.T.: -0.016 min
Response: 3325271
Conc: 19.39 ug/ml



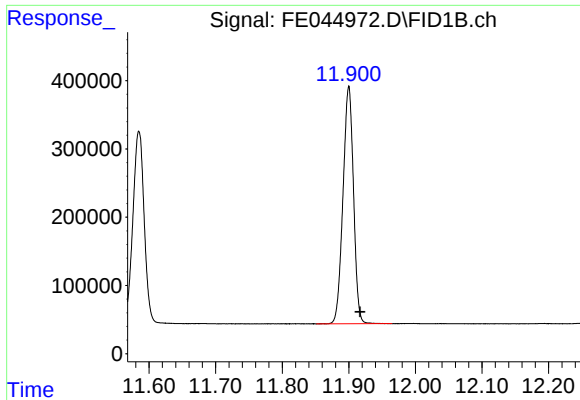
#7 n-Hexadecane (C16)

R.T.: 10.139 min
Delta R.T.: -0.016 min
Response: 3357441
Conc: 19.20 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.585 min
Delta R.T.: -0.016 min
Response: 3331477
Conc: 19.10 ug/ml



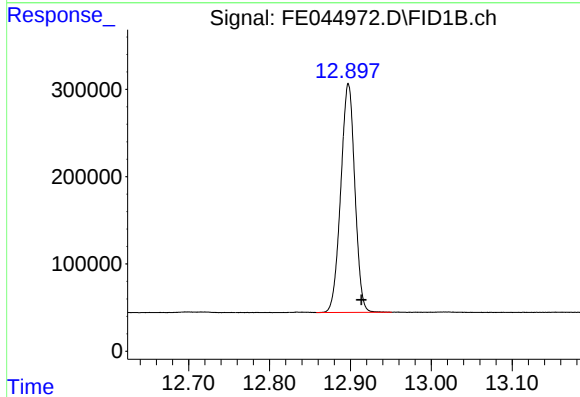
#9 ortho-Terphenyl (SURR)

R.T.: 11.900 min
Delta R.T.: -0.017 min
Response: 3813050
Conc: 19.02 ug/ml

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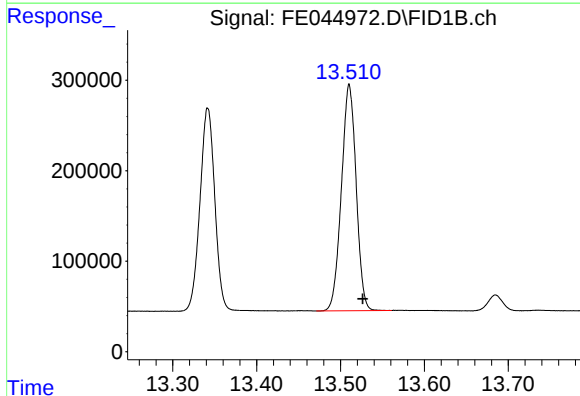
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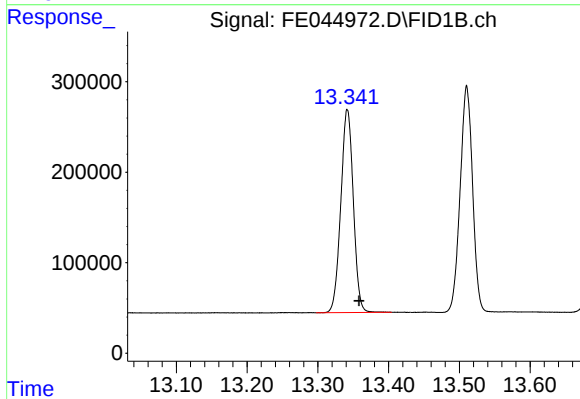
#10 n-Eicosane (C20)

R.T.: 12.897 min
Delta R.T.: -0.016 min
Response: 3171539
Conc: 18.99 ug/ml



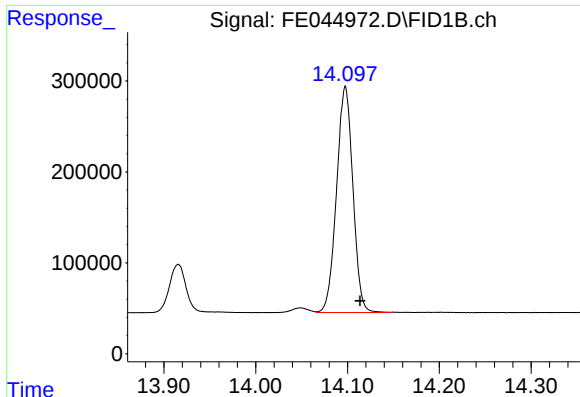
#11 n-Heneicosane (C21)

R.T.: 13.511 min
Delta R.T.: -0.016 min
Response: 3054597
Conc: 18.74 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.342 min
Delta R.T.: -0.016 min
Response: 2758129
Conc: 18.64 ug/ml



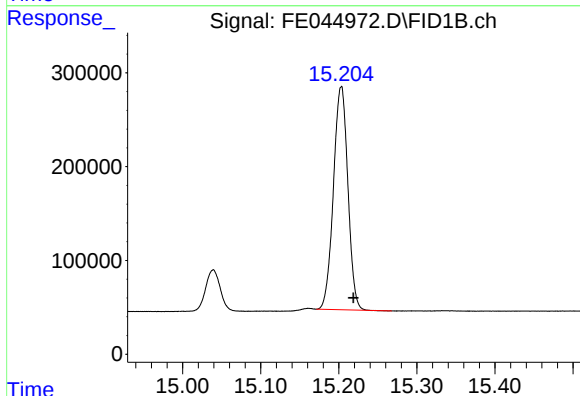
#13 n-Docosane (C22)

R.T.: 14.097 min
Delta R.T.: -0.016 min
Response: 3076542
Conc: 19.23 ug/ml

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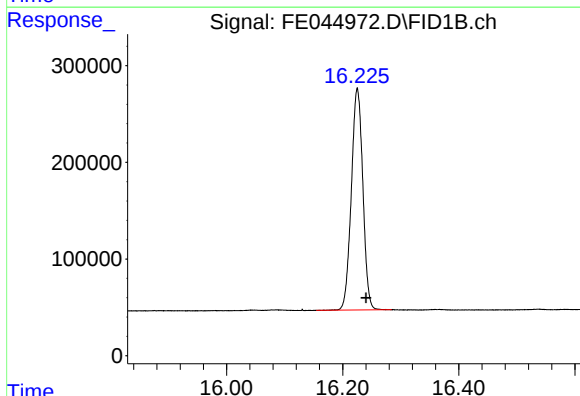
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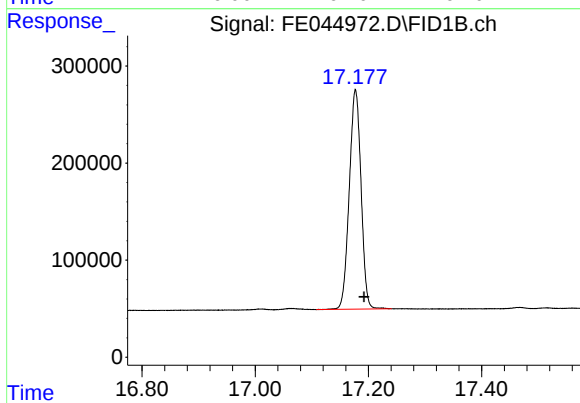
#14 n-Tetracosane (C24)

R.T.: 15.203 min
Delta R.T.: -0.016 min
Response: 3058142
Conc: 19.71 ug/ml



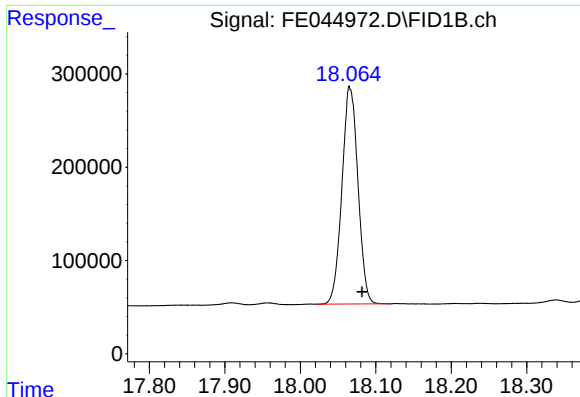
#15 n-Hexacosane (C26)

R.T.: 16.225 min
Delta R.T.: -0.015 min
Response: 3153450
Conc: 21.00 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.177 min
Delta R.T.: -0.015 min
Response: 3259823
Conc: 22.20 ug/ml



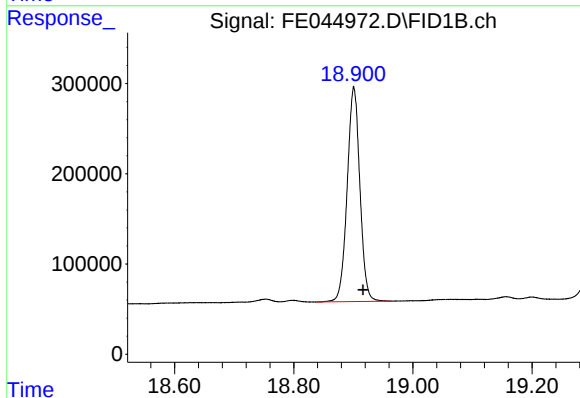
#17 n-Tricontane (C30)

R.T.: 18.066 min
Delta R.T.: -0.016 min
Response: 3433568
Conc: 23.09 ug/ml

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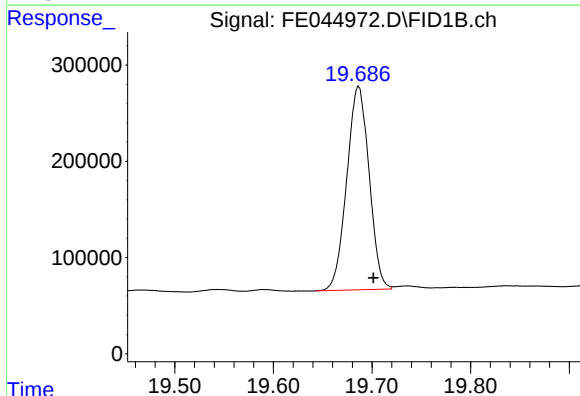
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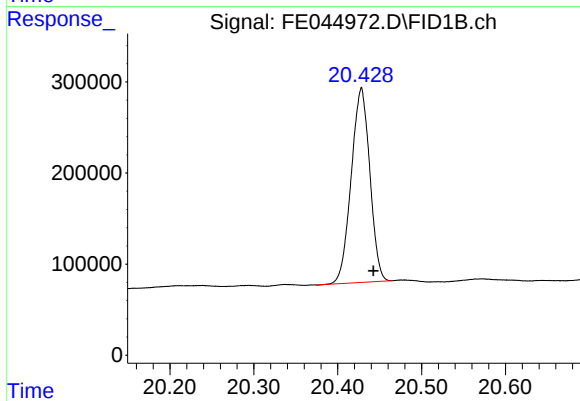
#18 n-Dotriacontane (C32)

R.T.: 18.901 min
Delta R.T.: -0.015 min
Response: 3513100
Conc: 23.41 ug/ml



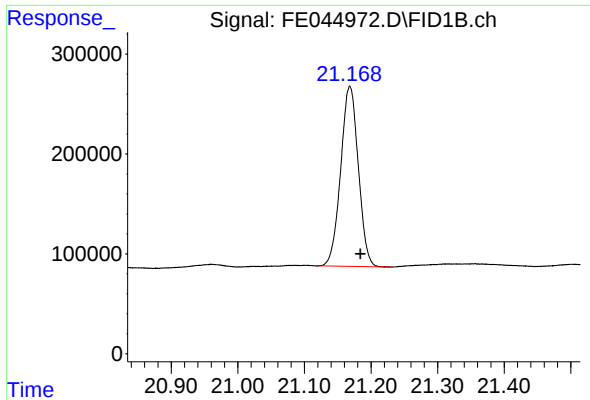
#19 n-Tetratriacontane (C34)

R.T.: 19.686 min
Delta R.T.: -0.016 min
Response: 3334242
Conc: 22.40 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.428 min
Delta R.T.: -0.015 min
Response: 3284598
Conc: 21.36 ug/ml



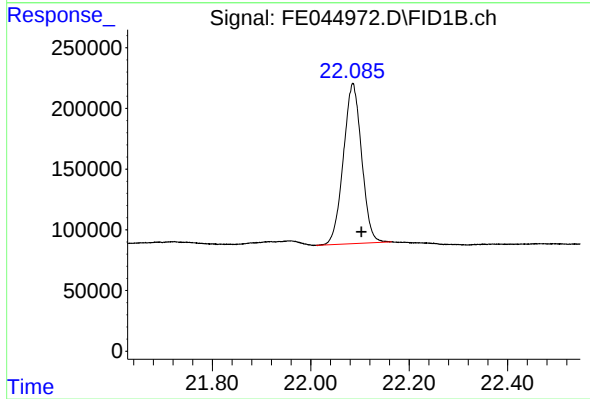
#21 n-Octatriacontane (C38)

R.T.: 21.168 min
Delta R.T.: -0.016 min
Response: 3313735
Conc: 21.21 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.085 min
Delta R.T.: -0.018 min
Response: 3384797
Conc: 20.25 ug/ml