

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062722AL\
 Data File : FE036229.D
 Signal(s) : FID1B.ch
 Acq On : 27 Jun 2022 09:58
 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 06/28/2022
 Supervised By :Ankita Jodhani 06/28/2022

Integration File: autoint1.e
 Quant Time: Jun 28 03:45:28 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062022.M
 Quant Title : GC Extractables
 QLast Update : Tue Jun 21 03:08:45 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)	11.885	4054355	20.293 ug/ml
Spiked Amount 50.000		Recovery =	40.59%
12) S 1-chlorooctadecane (S...	13.323	3156007	20.385 ug/ml
Spiked Amount 50.000		Recovery =	40.77%
Target Compounds			
1) T n-Nonane (C9)	3.269	3682852	20.476 ug/ml
2) T n-Decane (C10)	4.524	3695620	20.559 ug/ml
3) T A~Naphthalene (C11.7)	6.228	4140082	20.635 ug/ml
4) T n-Dodecane (C12)	6.693	3810930	20.575 ug/ml
5) T A~2-methylnaphthalene...	7.325	4192522	20.595 ug/ml
6) T n-Tetradecane (C14)	8.521	3849343	20.590 ug/ml
7) T n-Hexadecane (C16)	10.128	3844205	20.527 ug/ml
8) T n-Octadecane (C18)	11.570	3802331	20.438 ug/ml
10) T n-Eicosane (C20)	12.879	3686961	20.352 ug/ml
11) T n-Heneicosane (C21)	13.491	3650647	20.323 ug/ml
13) T n-Docosane (C22)	14.077	3591844	20.316 ug/ml
14) T n-Tetracosane (C24)	15.182	3498478	20.426 ug/ml
15) T n-Hexacosane (C26)	16.203	3381403	20.466 ug/ml
16) T n-Octacosane (C28)	17.153	3276225	20.467 ug/ml
17) T n-Tricontane (C30)	18.040	3202961	20.688 ug/ml
18) T n-Dotriacontane (C32)	18.873	3122035	21.364 ug/mlm
19) T n-Tetratriacontane (C34)	19.658	3104181	22.432 ug/mlm
20) T n-Hexatriacontane (C36)	20.399	2936341	21.873 ug/mlm
21) T n-Octatriacontane (C38)	21.133	2996661	22.533 ug/mlm
22) T n-Tetracontane (C40)	22.036	3431446	24.541 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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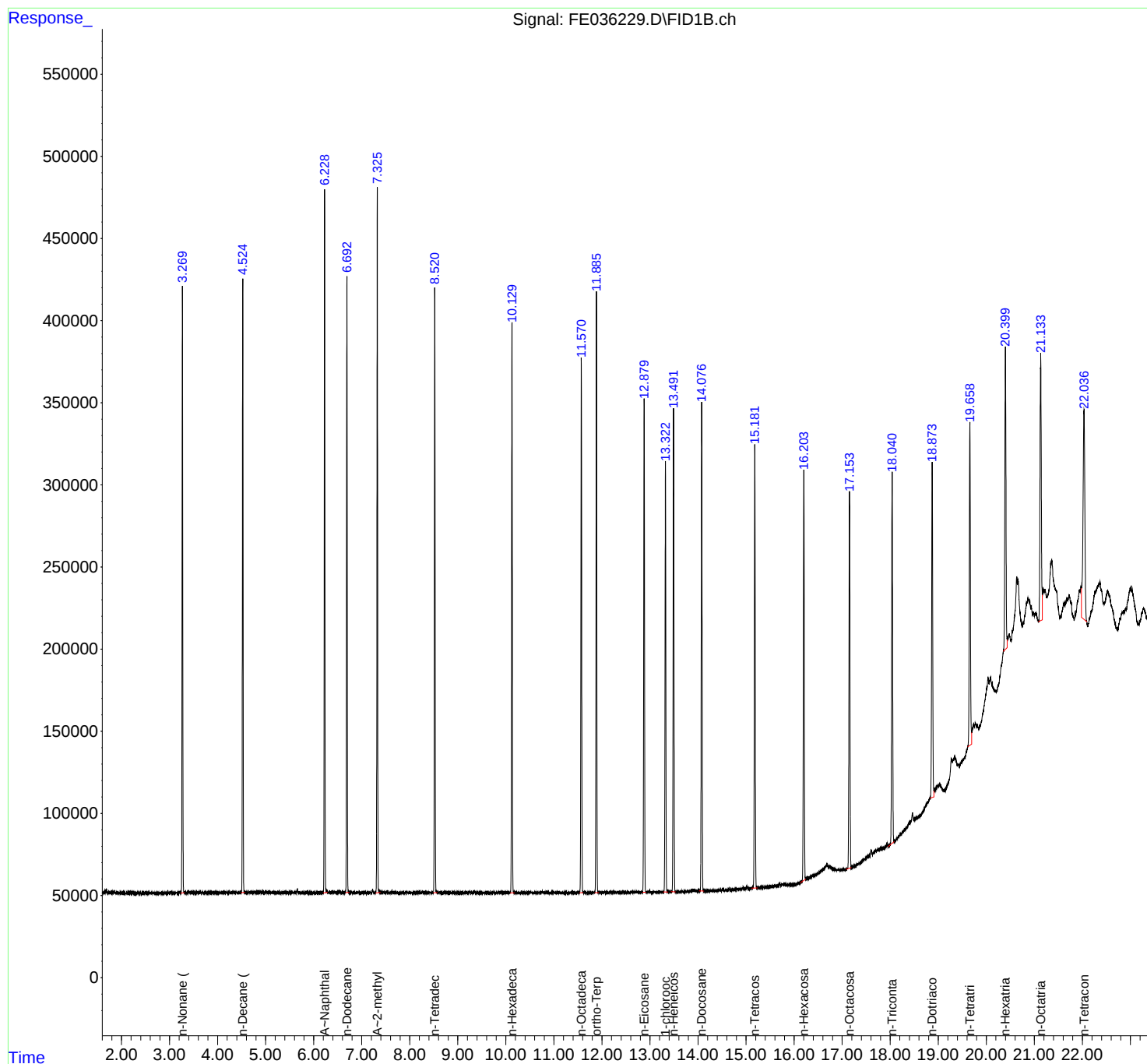
Instrument :
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20 PPM ALIPHATIC HC STD

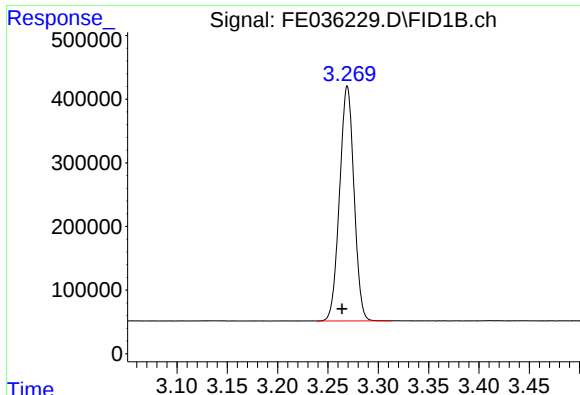
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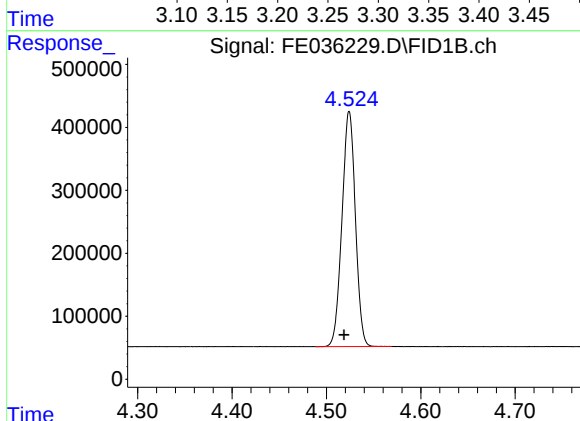
#1 n-Nonane (C9)

R.T.: 3.269 min
Delta R.T.: 0.005 min
Response: 3682852
Conc: 20.48 ug/ml

Instrument :
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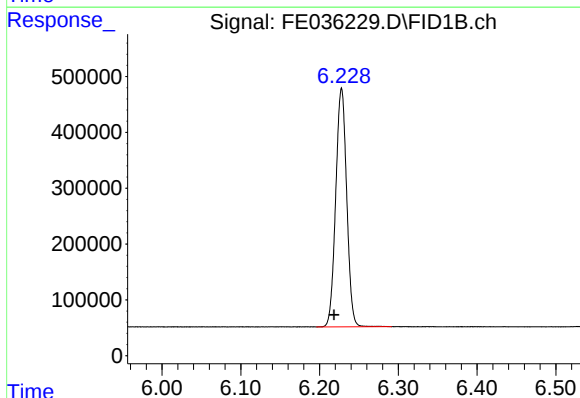
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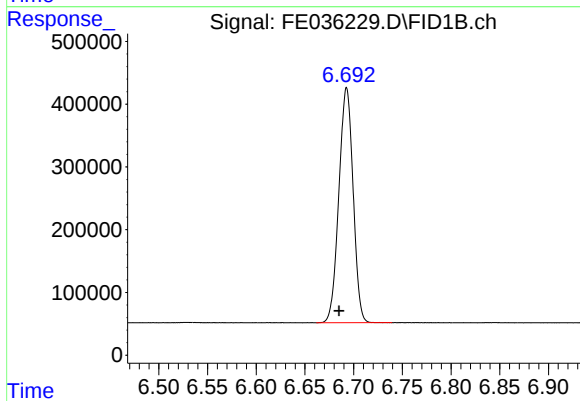
#2 n-Decane (C10)

R.T.: 4.524 min
Delta R.T.: 0.006 min
Response: 3695620
Conc: 20.56 ug/ml



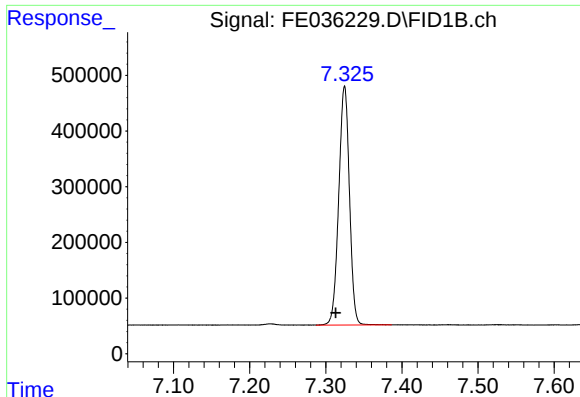
#3 A~Naphthalene (C11.7)

R.T.: 6.228 min
Delta R.T.: 0.010 min
Response: 4140082
Conc: 20.63 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.693 min
Delta R.T.: 0.008 min
Response: 3810930
Conc: 20.57 ug/ml



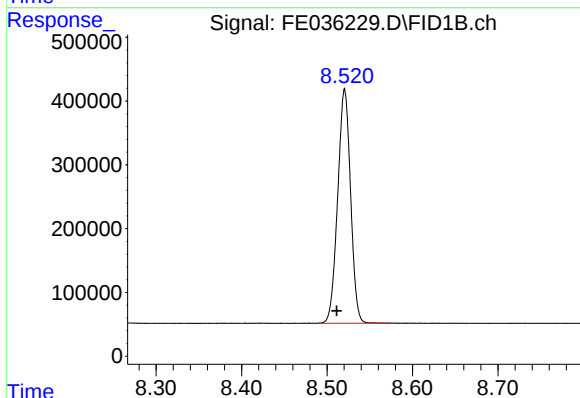
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.325 min
Delta R.T.: 0.012 min
Response: 4192522
Conc: 20.59 ug/ml

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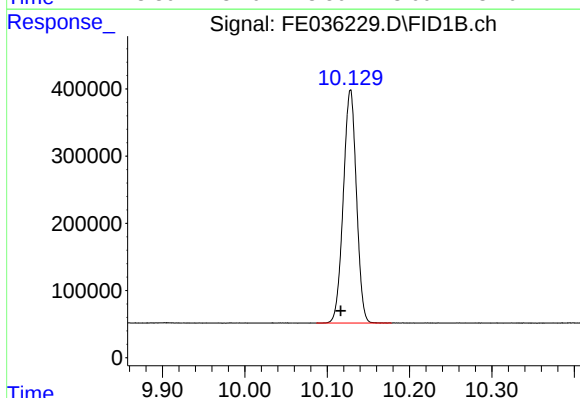
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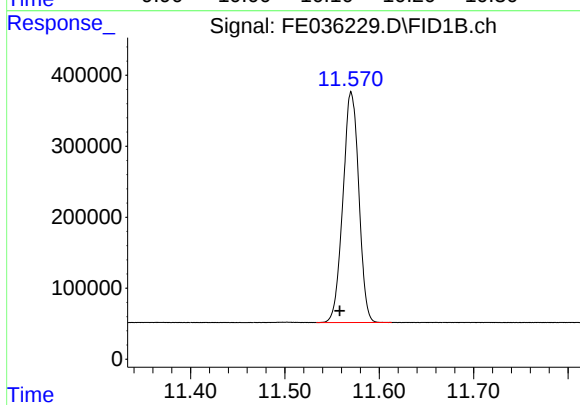
#6 n-Tetradecane (C14)

R.T.: 8.521 min
Delta R.T.: 0.009 min
Response: 3849343
Conc: 20.59 ug/ml



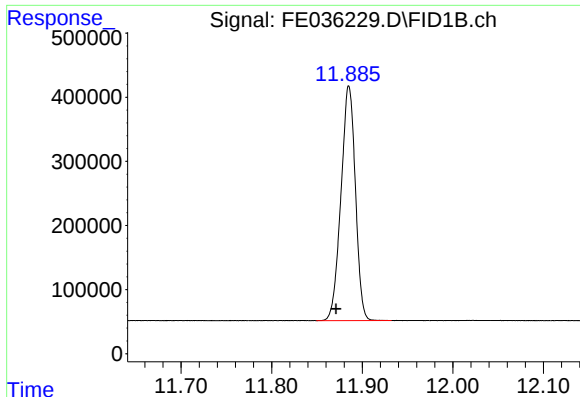
#7 n-Hexadecane (C16)

R.T.: 10.128 min
Delta R.T.: 0.012 min
Response: 3844205
Conc: 20.53 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.570 min
Delta R.T.: 0.012 min
Response: 3802331
Conc: 20.44 ug/ml



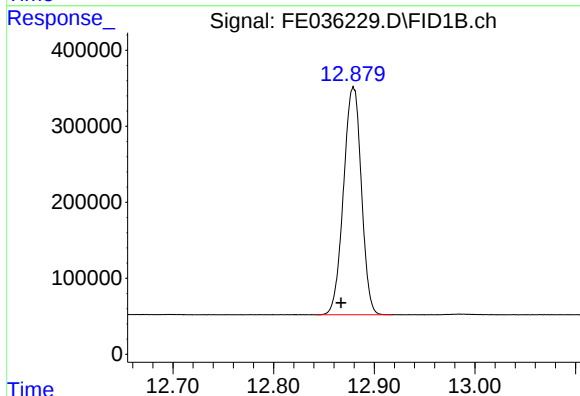
#9 ortho-Terphenyl (SURR)

R.T.: 11.885 min
Delta R.T.: 0.014 min
Response: 4054355
Conc: 20.29 ug/ml

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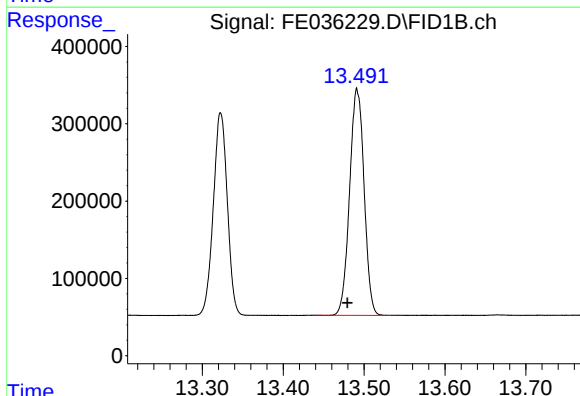
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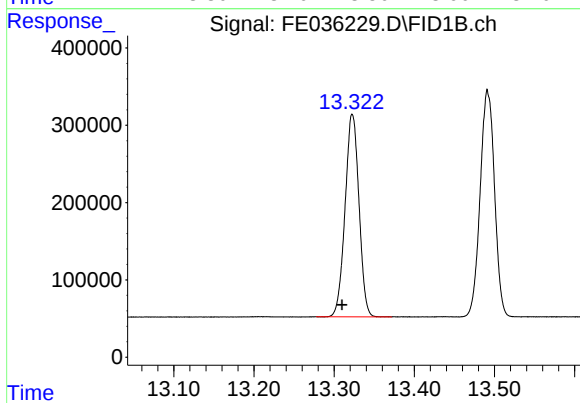
#10 n-Eicosane (C20)

R.T.: 12.879 min
Delta R.T.: 0.012 min
Response: 3686961
Conc: 20.35 ug/ml



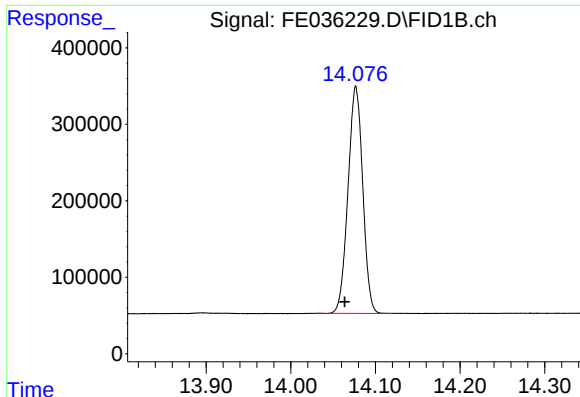
#11 n-Heneicosane (C21)

R.T.: 13.491 min
Delta R.T.: 0.012 min
Response: 3650647
Conc: 20.32 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.323 min
Delta R.T.: 0.013 min
Response: 3156007
Conc: 20.39 ug/ml



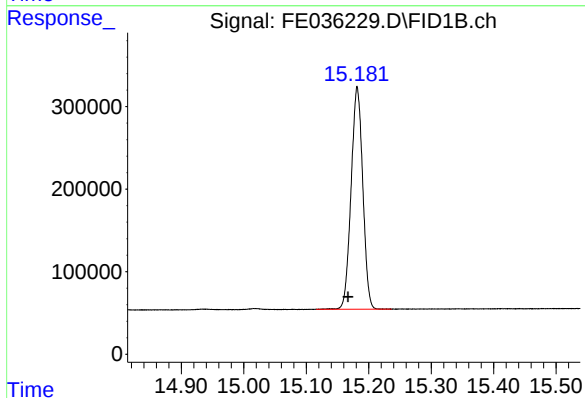
#13 n-Docosane (C22)

R.T.: 14.077 min
Delta R.T.: 0.013 min
Response: 3591844
Conc: 20.32 ug/ml

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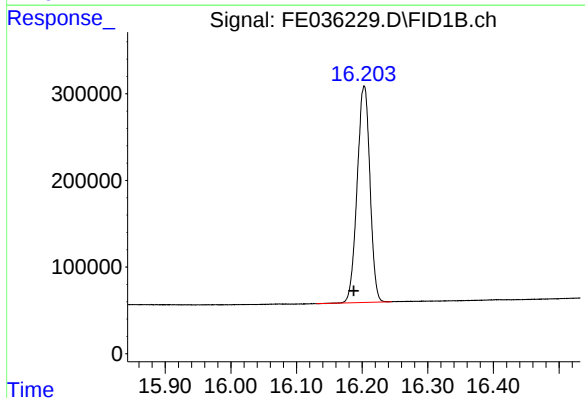
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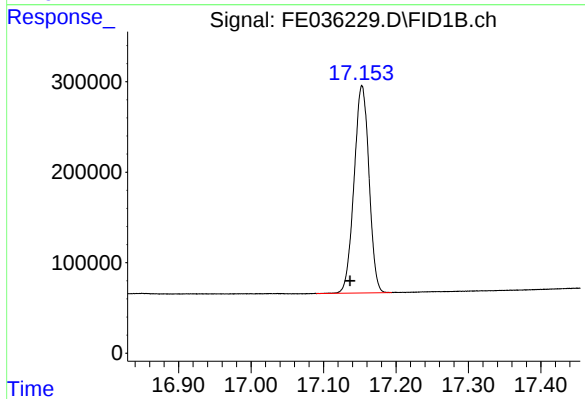
#14 n-Tetracosane (C24)

R.T.: 15.182 min
Delta R.T.: 0.014 min
Response: 3498478
Conc: 20.43 ug/ml



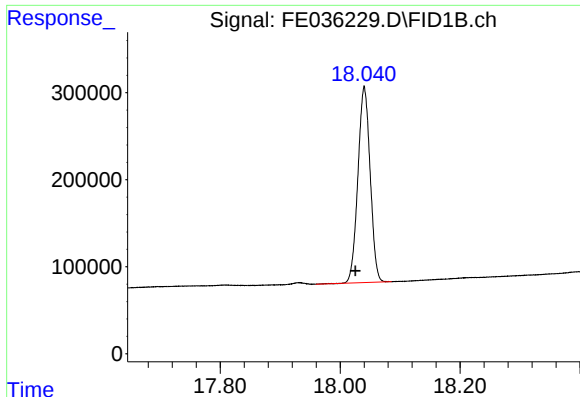
#15 n-Hexacosane (C26)

R.T.: 16.203 min
Delta R.T.: 0.016 min
Response: 3381403
Conc: 20.47 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.153 min
Delta R.T.: 0.016 min
Response: 3276225
Conc: 20.47 ug/ml



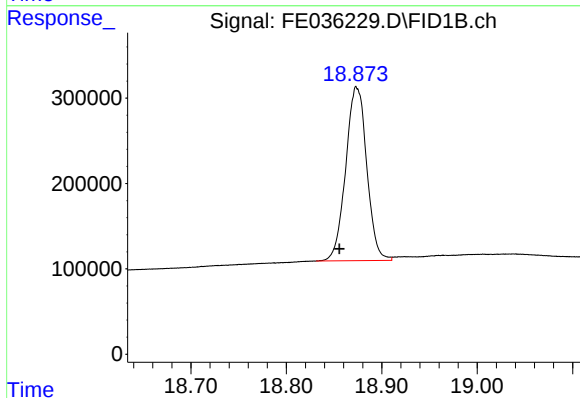
#17 n-Tricontane (C30)

R.T.: 18.040 min
Delta R.T.: 0.015 min
Response: 3202961
Conc: 20.69 ug/ml

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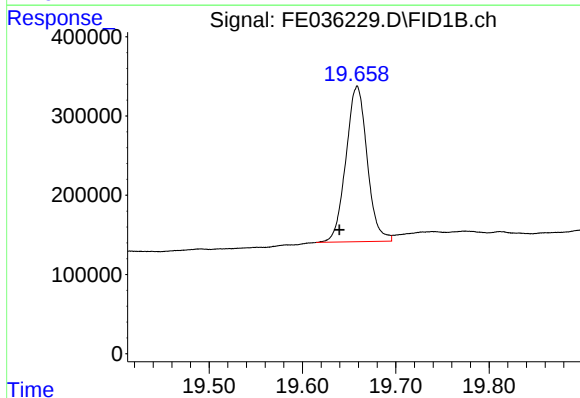
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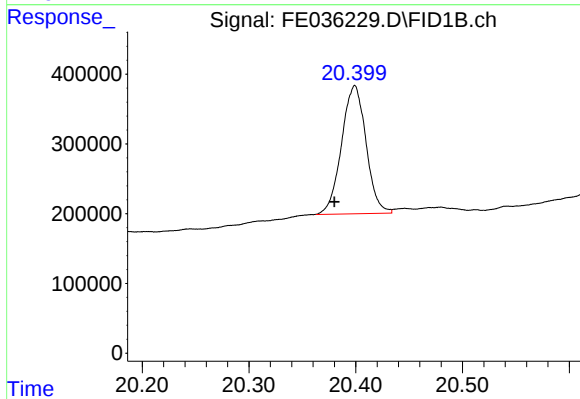
#18 n-Dotriacontane (C32)

R.T.: 18.873 min
Delta R.T.: 0.017 min
Response: 3122035
Conc: 21.36 ug/ml m



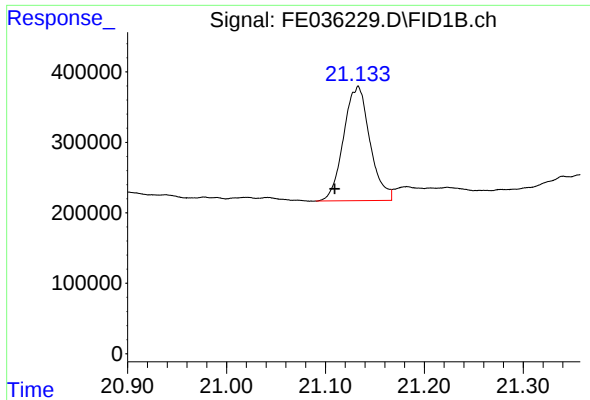
#19 n-Tetratriacontane (C34)

R.T.: 19.658 min
Delta R.T.: 0.019 min
Response: 3104181
Conc: 22.43 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.399 min
Delta R.T.: 0.019 min
Response: 2936341
Conc: 21.87 ug/ml m



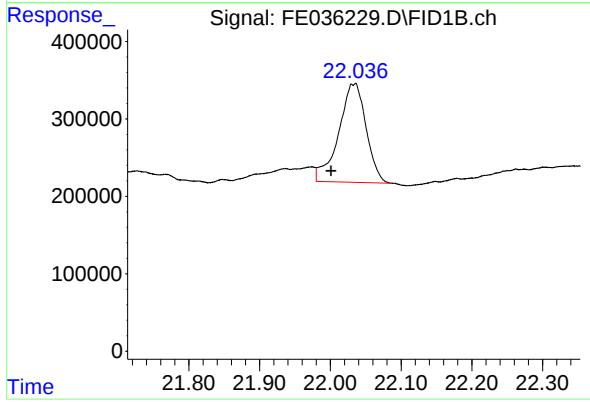
#21 n-Octatriacontane (C38)

R.T.: 21.133 min
Delta R.T.: 0.024 min
Response: 2996661
Conc: 22.53 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.036 min
Delta R.T.: 0.035 min
Response: 3431446
Conc: 24.54 ug/ml m