

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE042125AL\
 Data File : FE053436.D
 Signal(s) : FID1B.ch
 Acq On : 21 Apr 2025 13:34
 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 04/22/2025
 Supervised By :mohammad ahmed 04/23/2025

Integration File: sample.E
 Quant Time: Apr 21 13:56:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 16 18:29:18 2025
 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)	11.879	3794953	21.041 ug/ml
Spiked Amount 50.000		Recovery =	42.08%
12) S 1-chlorooctadecane (S...	13.324	2768029	20.477 ug/ml
Spiked Amount 50.000		Recovery =	40.95%
Target Compounds			
1) T n-Nonane (C9)	3.224	3070069	22.392 ug/ml
2) T n-Decane (C10)	4.485	3138607	22.688 ug/ml
3) T A~Naphthalene (C11.7)	6.198	3454930	22.889 ug/ml
4) T n-Dodecane (C12)	6.666	3178644	22.664 ug/ml
5) T A~2-methylnaphthalene...	7.300	3447784	23.092 ug/ml
6) T n-Tetradecane (C14)	8.502	3139948	22.382 ug/ml
7) T n-Hexadecane (C16)	10.116	3152073	21.993 ug/ml
8) T n-Octadecane (C18)	11.564	3121864	21.422 ug/ml
10) T n-Eicosane (C20)	12.878	3059893	21.028 ug/ml
11) T n-Heneicosane (C21)	13.491	3012317	20.797 ug/ml
13) T n-Docosane (C22)	14.080	2982958	20.671 ug/ml
14) T n-Tetracosane (C24)	15.186	2918381	20.317 ug/ml
15) T n-Hexacosane (C26)	16.209	2856030	20.166 ug/ml
16) T n-Octacosane (C28)	17.162	2698382	19.395 ug/ml
17) T n-Tricontane (C30)	18.052	2818222	20.247 ug/ml
18) T n-Dotriacontane (C32)	18.886	2713579	19.763 ug/ml
19) T n-Tetratriacontane (C34)	19.671	2591152	19.887 ug/ml
20) T n-Hexatriacontane (C36)	20.412	2466584	19.538 ug/mlm
21) T n-Octatriacontane (C38)	21.149	2499421	20.515 ug/mlm
22) T n-Tetracontane (C40)	22.059	2031383	17.010 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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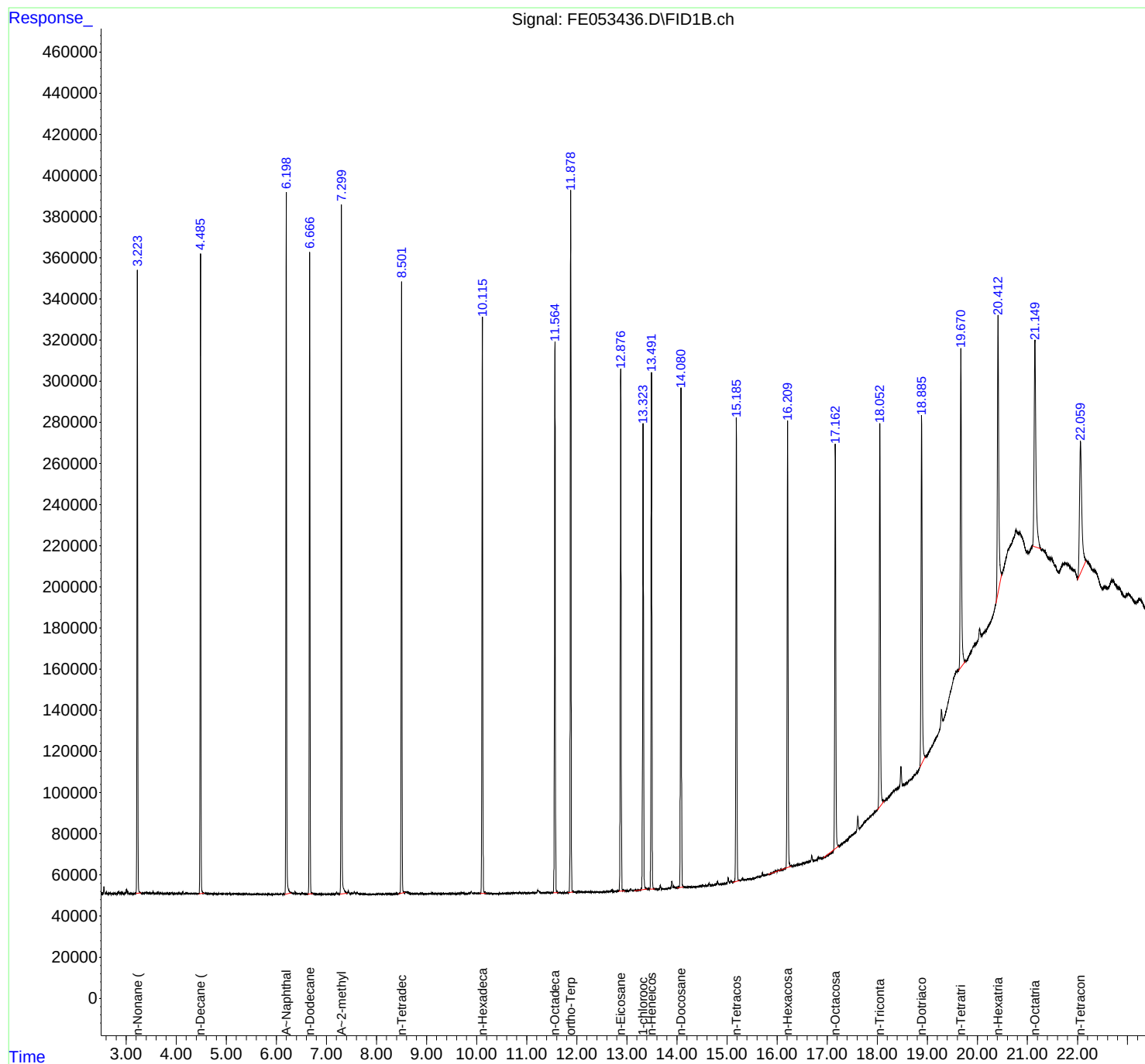
Instrument :
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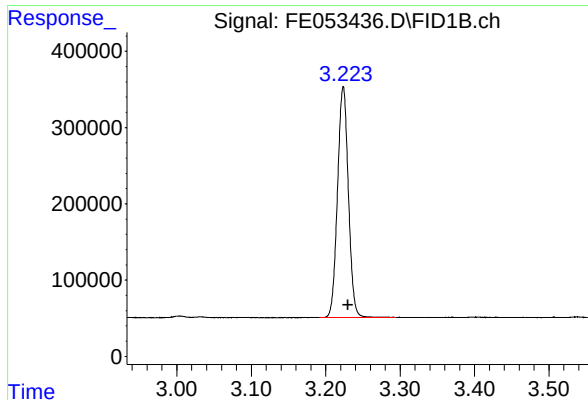
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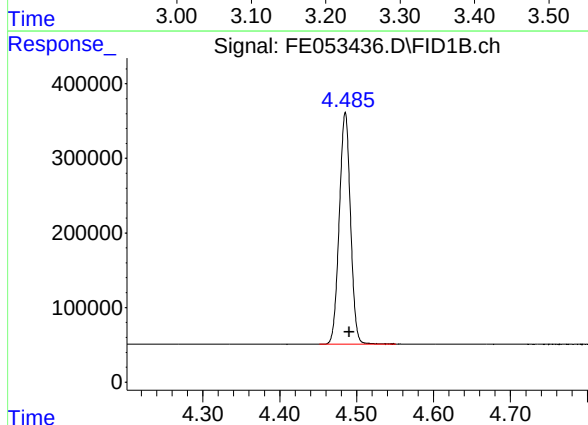
#1 n-Nonane (C9)

R.T.: 3.224 min
Delta R.T.: -0.006 min
Response: 3070069
Conc: 22.39 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

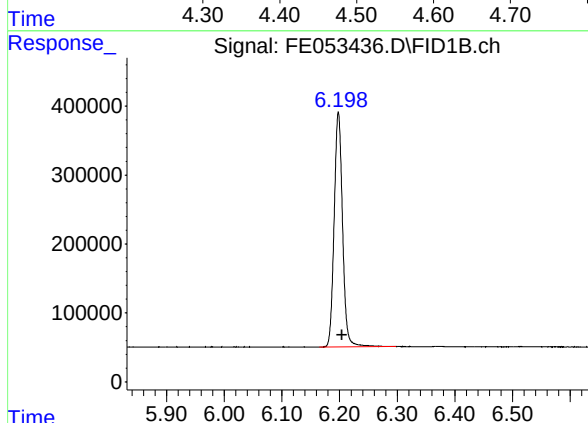
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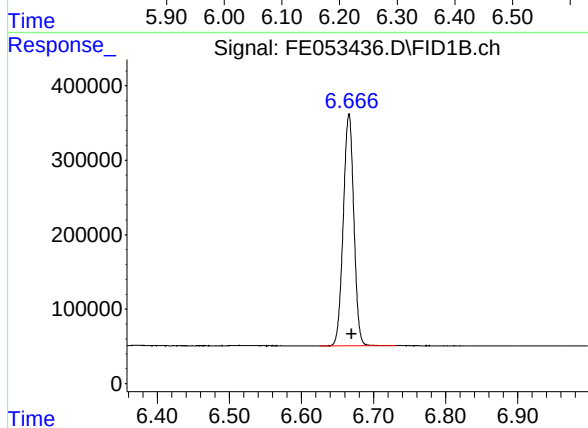
#2 n-Decane (C10)

R.T.: 4.485 min
Delta R.T.: -0.005 min
Response: 3138607
Conc: 22.69 ug/ml



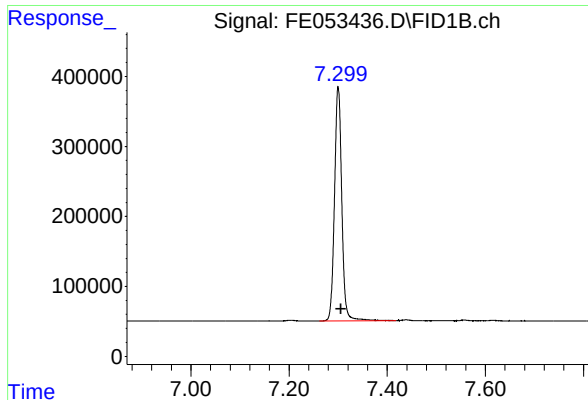
#3 A~Naphthalene (C11.7)

R.T.: 6.198 min
Delta R.T.: -0.006 min
Response: 3454930
Conc: 22.89 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.666 min
Delta R.T.: -0.004 min
Response: 3178644
Conc: 22.66 ug/ml



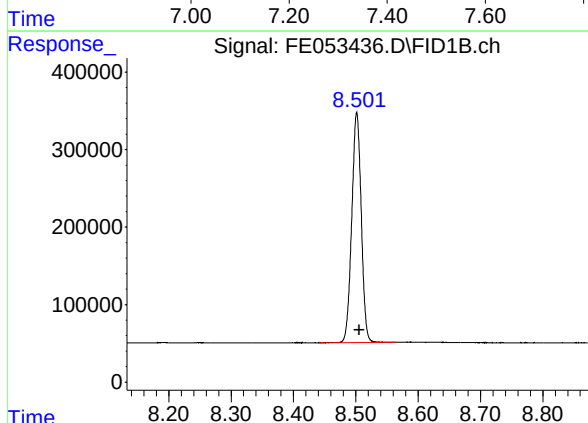
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.300 min
Delta R.T.: -0.006 min
Response: 3447784
Conc: 23.09 ug/ml

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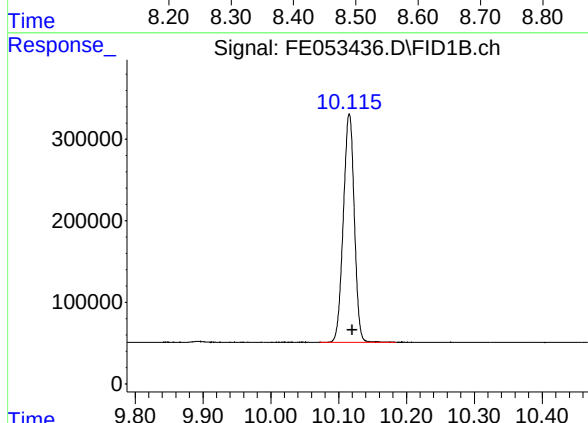
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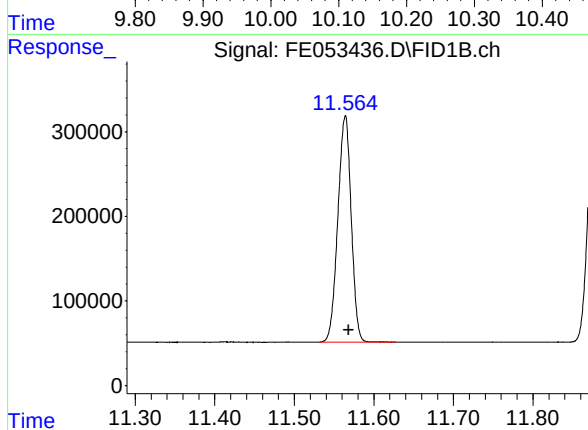
#6 n-Tetradecane (C14)

R.T.: 8.502 min
Delta R.T.: -0.004 min
Response: 3139948
Conc: 22.38 ug/ml



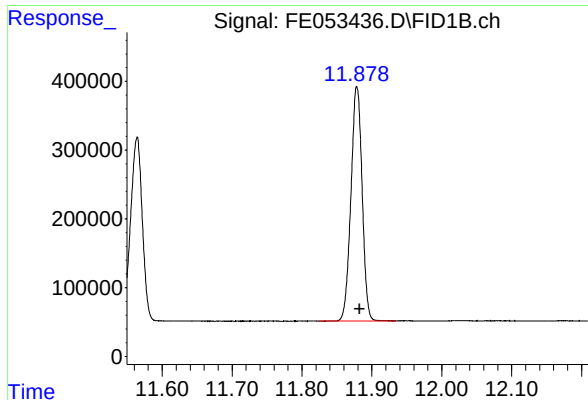
#7 n-Hexadecane (C16)

R.T.: 10.116 min
Delta R.T.: -0.004 min
Response: 3152073
Conc: 21.99 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.564 min
Delta R.T.: -0.004 min
Response: 3121864
Conc: 21.42 ug/ml



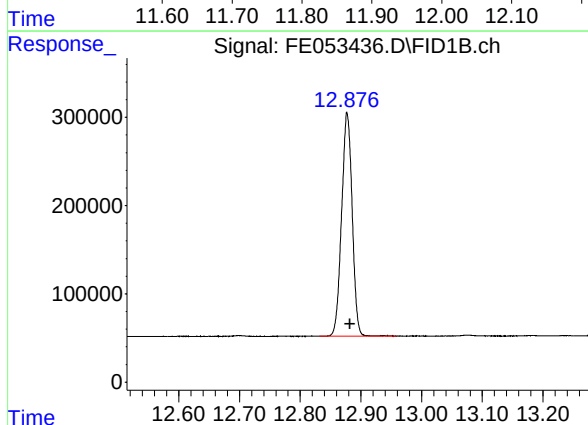
#9 ortho-Terphenyl (SURR)

R.T.: 11.879 min
Delta R.T.: -0.004 min
Response: 3794953
Conc: 21.04 ug/ml

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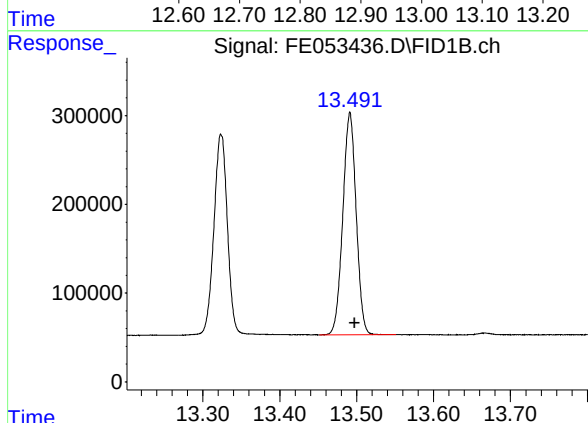
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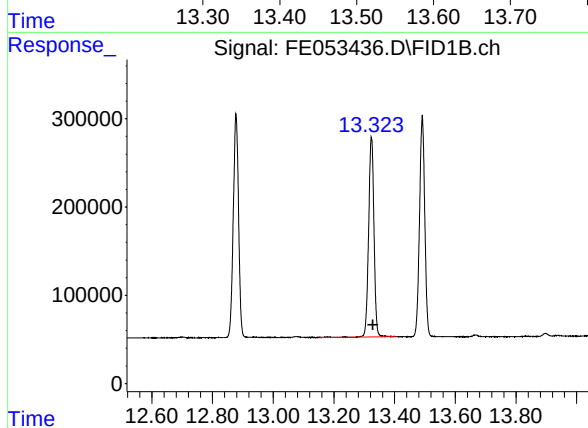
#10 n-Eicosane (C20)

R.T.: 12.878 min
Delta R.T.: -0.005 min
Response: 3059893
Conc: 21.03 ug/ml



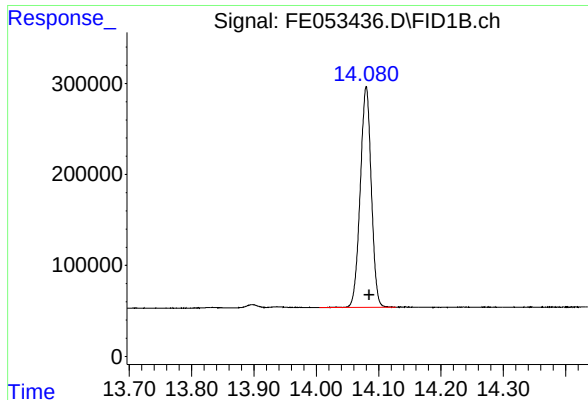
#11 n-Heneicosane (C21)

R.T.: 13.491 min
Delta R.T.: -0.006 min
Response: 3012317
Conc: 20.80 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.324 min
Delta R.T.: -0.005 min
Response: 2768029
Conc: 20.48 ug/ml



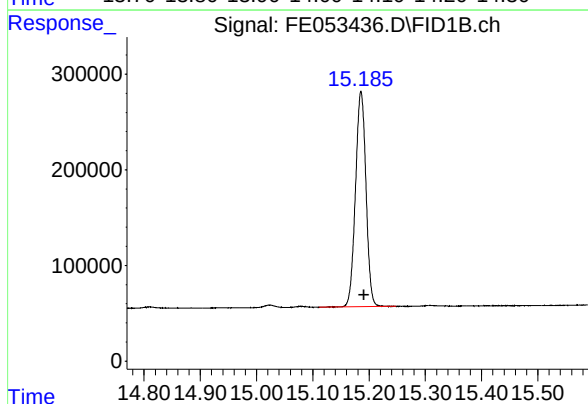
#13 n-Docosane (C22)

R.T.: 14.080 min
Delta R.T.: -0.005 min
Response: 2982958
Conc: 20.67 ug/ml

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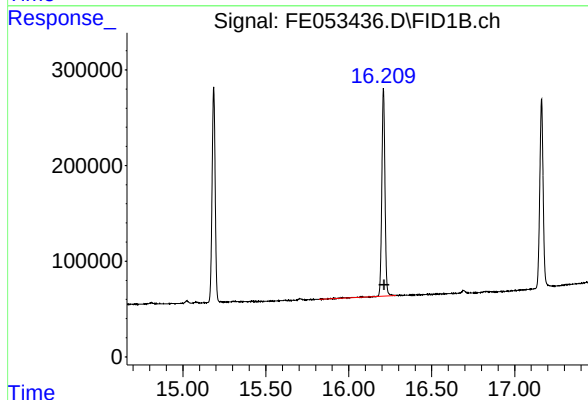
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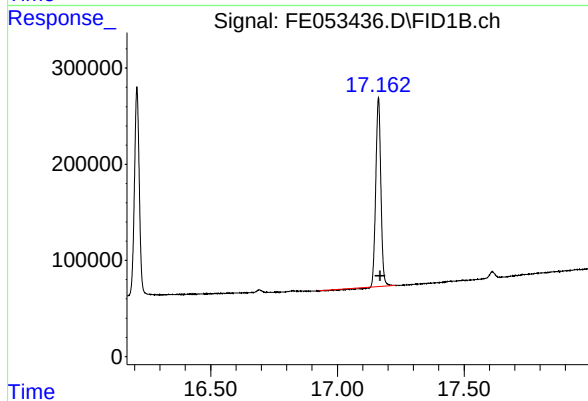
#14 n-Tetracosane (C24)

R.T.: 15.186 min
Delta R.T.: -0.005 min
Response: 2918381
Conc: 20.32 ug/ml



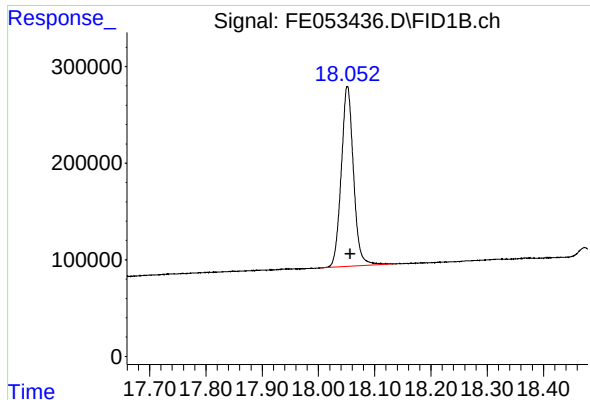
#15 n-Hexacosane (C26)

R.T.: 16.209 min
Delta R.T.: -0.007 min
Response: 2856030
Conc: 20.17 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.162 min
Delta R.T.: -0.006 min
Response: 2698382
Conc: 19.40 ug/ml



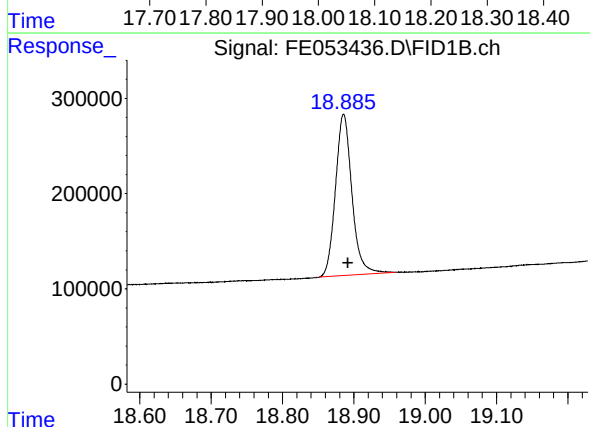
#17 n-Tricontane (C30)

R.T.: 18.052 min
Delta R.T.: -0.005 min
Response: 2818222
Conc: 20.25 ug/ml

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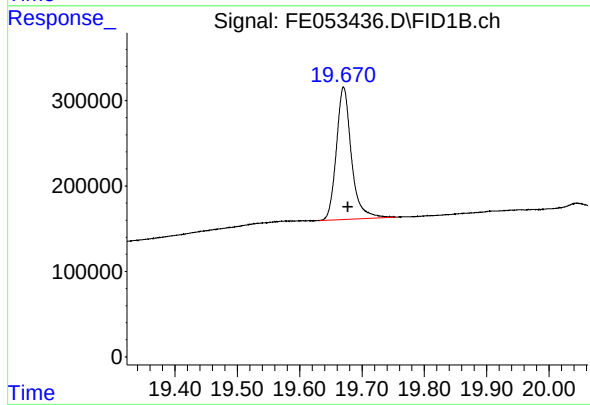
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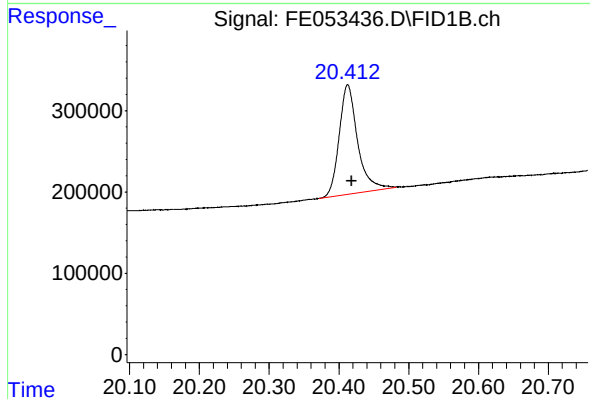
#18 n-Dotriacontane (C32)

R.T.: 18.886 min
Delta R.T.: -0.006 min
Response: 2713579
Conc: 19.76 ug/ml



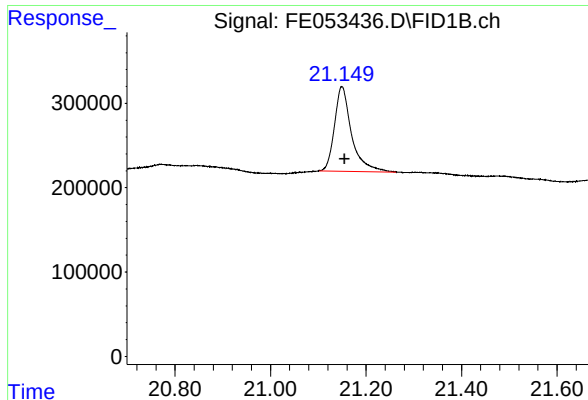
#19 n-Tetatriacontane (C34)

R.T.: 19.671 min
Delta R.T.: -0.007 min
Response: 2591152
Conc: 19.89 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.412 min
Delta R.T.: -0.006 min
Response: 2466584
Conc: 19.54 ug/ml m



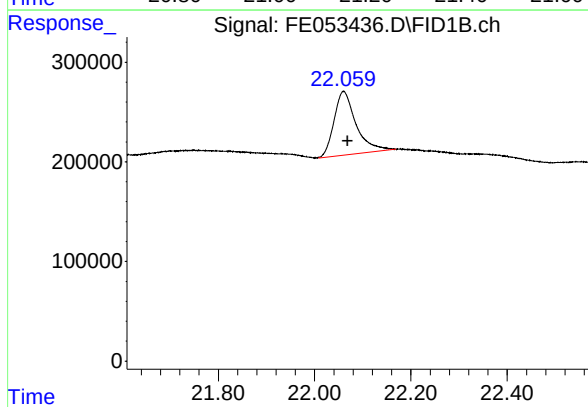
#21 n-Octatriacontane (C38)

R.T.: 21.149 min
Delta R.T.: -0.007 min
Response: 2499421
Conc: 20.52 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.059 min
Delta R.T.: -0.009 min
Response: 2031383
Conc: 17.01 ug/ml m