

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070125AL\
 Data File : FE054646.D
 Signal(s) : FID1B.ch
 Acq On : 01 Jul 2025 08:09
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/02/2025
 Supervised By :mohammad ahmed 07/02/2025

Integration File: autoint1.e
 Quant Time: Jul 02 02:19:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 Qlast Update : Fri Jun 27 15:19:13 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)	12.074	3351601	20.639 ug/ml
Spiked Amount 50.000		Recovery =	41.28%
12) S 1-chlorooctadecane (S...	13.511	2562102	20.287 ug/ml
Spiked Amount 50.000		Recovery =	40.57%
Target Compounds			
1) T n-Nonane (C9)	3.419	2837194	21.093 ug/ml
2) T n-Decane (C10)	4.675	2930909	21.480 ug/ml
3) T A~Naphthalene (C11.7)	6.390	3255524	21.501 ug/ml
4) T n-Dodecane (C12)	6.850	2987212	21.772 ug/ml
5) T A~2-methylnaphthalene...	7.490	3170445	21.567 ug/ml
6) T n-Tetradecane (C14)	8.686	3000673	21.646 ug/ml
7) T n-Hexadecane (C16)	10.301	3076883	21.591 ug/ml
8) T n-Octadecane (C18)	11.750	3108838	21.213 ug/ml
10) T n-Eicosane (C20)	13.063	3007442	20.915 ug/ml
11) T n-Heneicosane (C21)	13.677	2909663	20.371 ug/ml
13) T n-Docosane (C22)	14.266	3004511	21.042 ug/ml
14) T n-Tetracosane (C24)	15.371	3133216	21.554 ug/ml
15) T n-Hexacosane (C26)	16.394	3196111	22.085 ug/ml
16) T n-Octacosane (C28)	17.346	3234231	22.192 ug/ml
17) T n-Tricontane (C30)	18.235	3286510	20.856 ug/ml
18) T n-Dotriacontane (C32)	19.068	3123951	19.309 ug/ml
19) T n-Tetratriacontane (C34)	19.853	2747963	18.032 ug/ml
20) T n-Hexatriacontane (C36)	20.592	2472417	18.388 ug/ml
21) T n-Octatriacontane (C38)	21.370	2264809	19.311 ug/ml
22) T n-Tetracontane (C40)	22.359	2197311	20.273 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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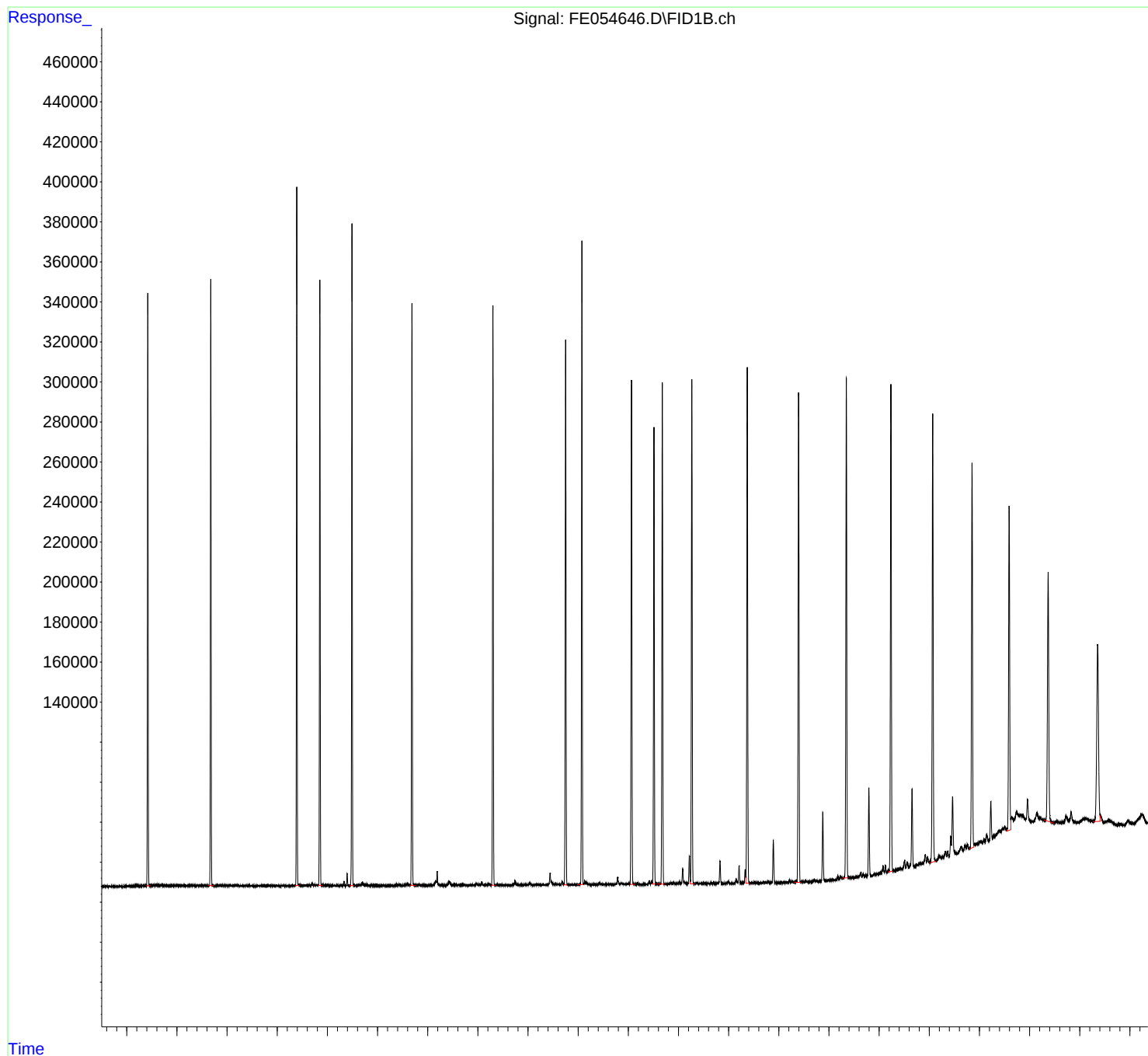
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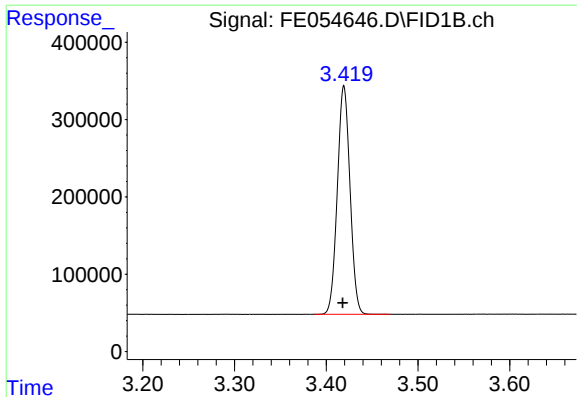
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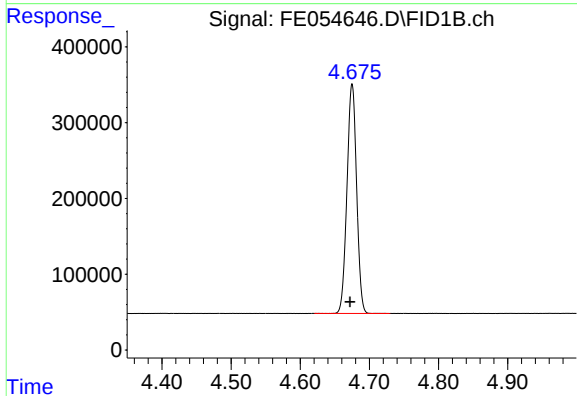
#1 n-Nonane (C9)

R.T.: 3.419 min
Delta R.T.: 0.001 min
Response: 2837194
Conc: 21.09 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

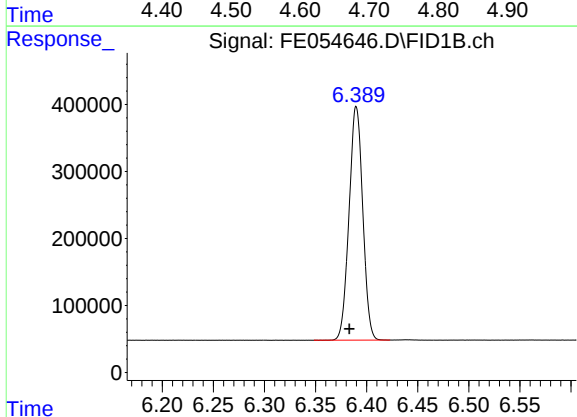
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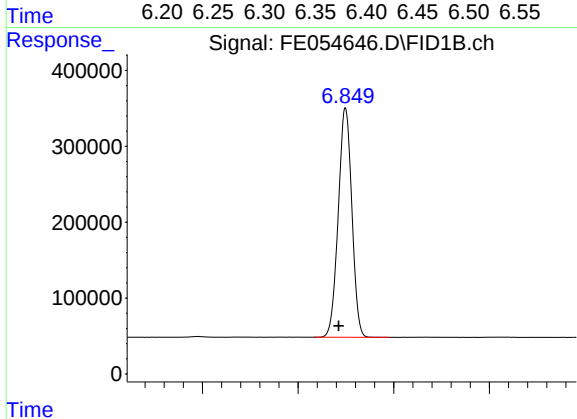
#2 n-Decane (C10)

R.T.: 4.675 min
Delta R.T.: 0.003 min
Response: 2930909
Conc: 21.48 ug/ml



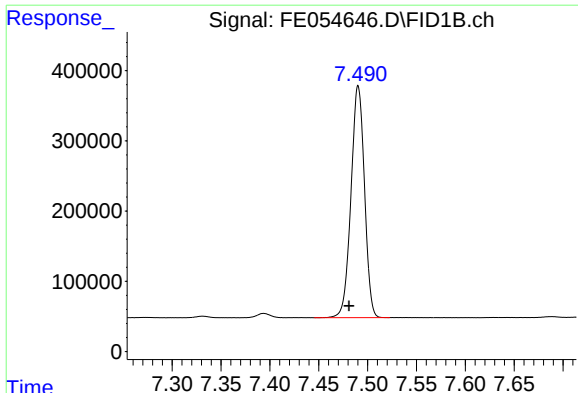
#3 A~Naphthalene (C11.7)

R.T.: 6.390 min
Delta R.T.: 0.007 min
Response: 3255524
Conc: 21.50 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.850 min
Delta R.T.: 0.007 min
Response: 2987212
Conc: 21.77 ug/ml



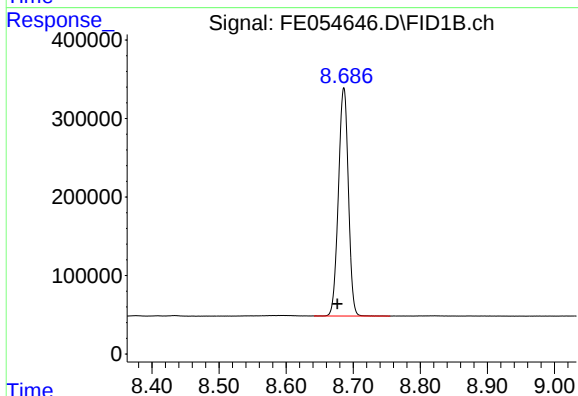
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.490 min
Delta R.T.: 0.009 min
Response: 3170445
Conc: 21.57 ug/ml

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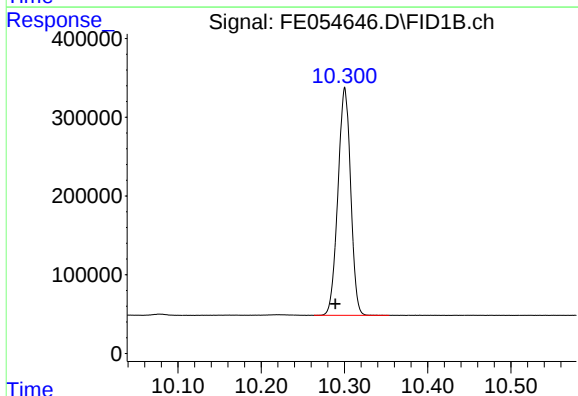
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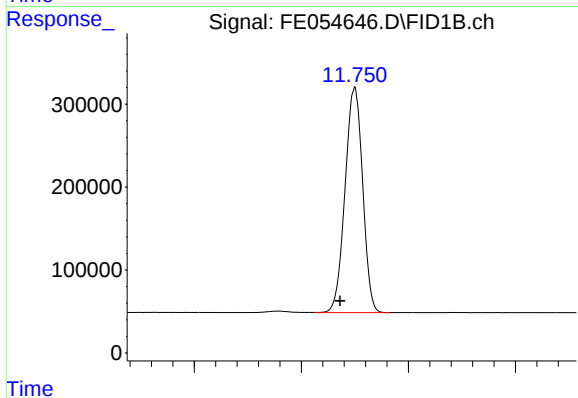
#6 n-Tetradecane (C14)

R.T.: 8.686 min
Delta R.T.: 0.009 min
Response: 3000673
Conc: 21.65 ug/ml



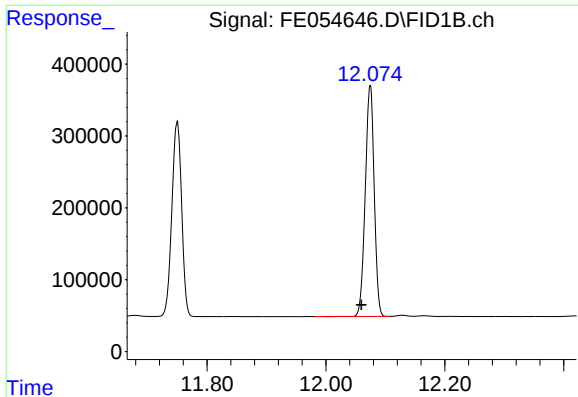
#7 n-Hexadecane (C16)

R.T.: 10.301 min
Delta R.T.: 0.012 min
Response: 3076883
Conc: 21.59 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.750 min
Delta R.T.: 0.014 min
Response: 3108838
Conc: 21.21 ug/ml



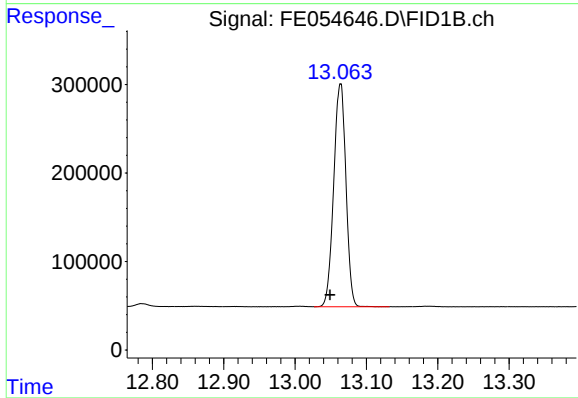
#9 ortho-Terphenyl (SURR)

R.T.: 12.074 min
Delta R.T.: 0.015 min
Response: 3351601
Conc: 20.64 ug/ml

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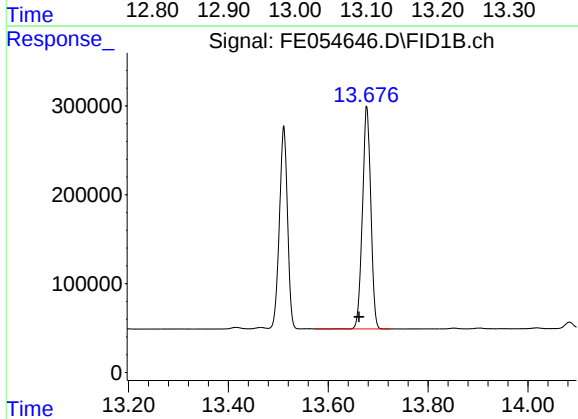
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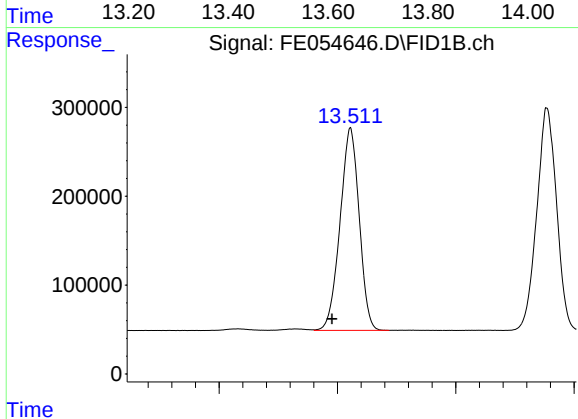
#10 n-Eicosane (C20)

R.T.: 13.063 min
Delta R.T.: 0.014 min
Response: 3007442
Conc: 20.91 ug/ml



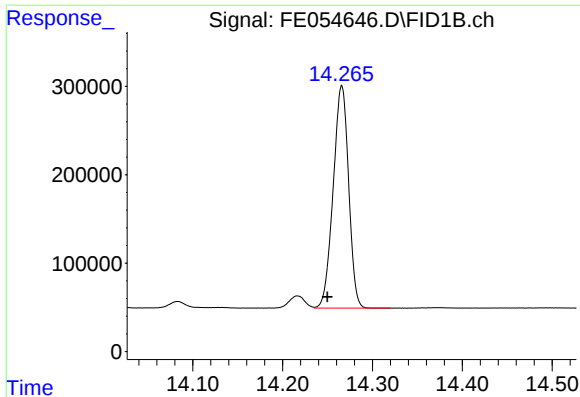
#11 n-Heneicosane (C21)

R.T.: 13.677 min
Delta R.T.: 0.016 min
Response: 2909663
Conc: 20.37 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.511 min
Delta R.T.: 0.016 min
Response: 2562102
Conc: 20.29 ug/ml



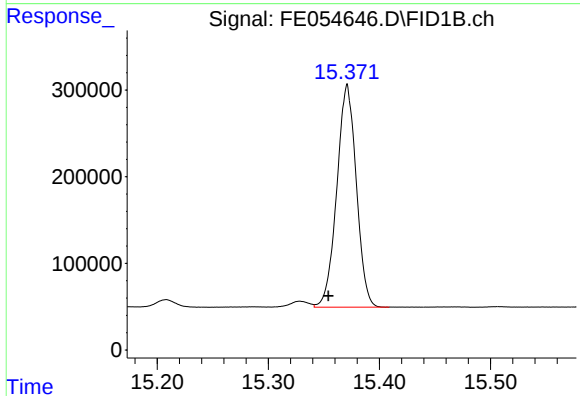
#13 n-Docosane (C22)

R.T.: 14.266 min
Delta R.T.: 0.016 min
Response: 3004511
Conc: 21.04 ug/ml

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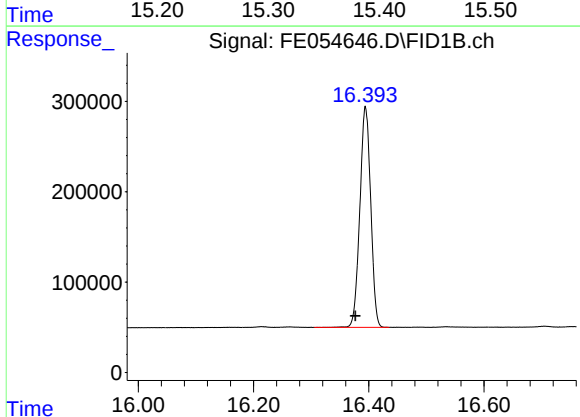
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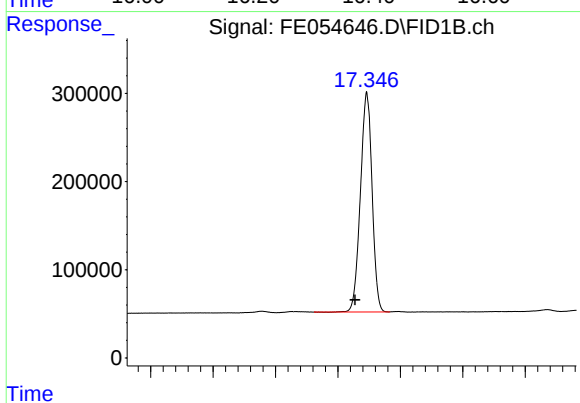
#14 n-Tetracosane (C24)

R.T.: 15.371 min
Delta R.T.: 0.017 min
Response: 3133216
Conc: 21.55 ug/ml



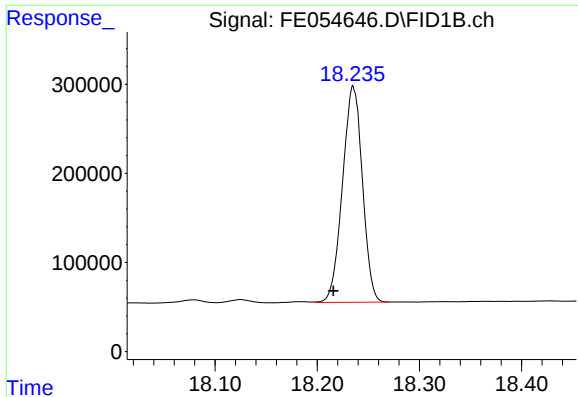
#15 n-Hexacosane (C26)

R.T.: 16.394 min
Delta R.T.: 0.018 min
Response: 3196111
Conc: 22.09 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.346 min
Delta R.T.: 0.019 min
Response: 3234231
Conc: 22.19 ug/ml



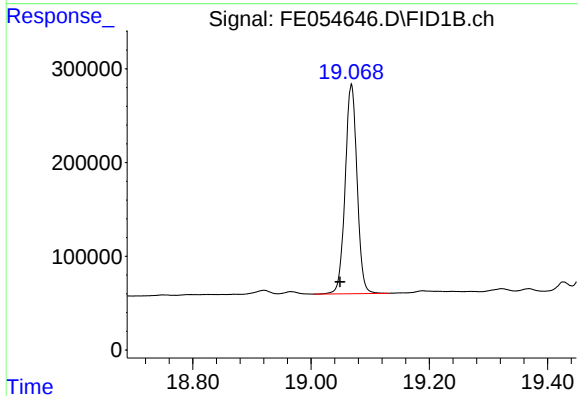
#17 n-Tricontane (C30)

R.T.: 18.235 min
Delta R.T.: 0.019 min
Response: 3286510
Conc: 20.86 ug/ml

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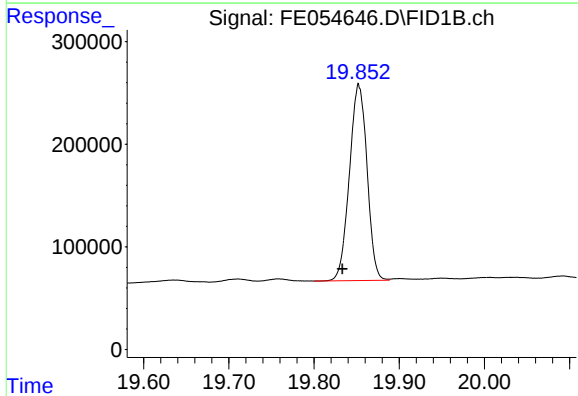
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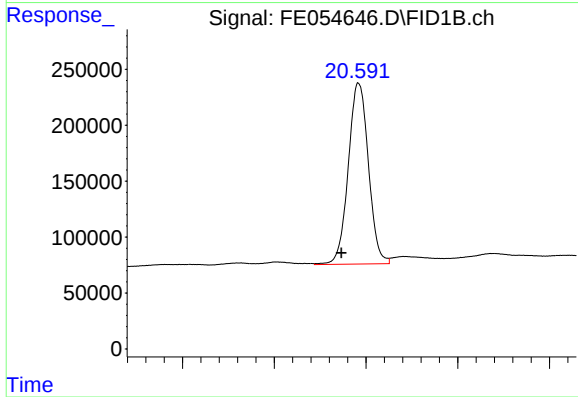
#18 n-Dotriacontane (C32)

R.T.: 19.068 min
Delta R.T.: 0.019 min
Response: 3123951
Conc: 19.31 ug/ml



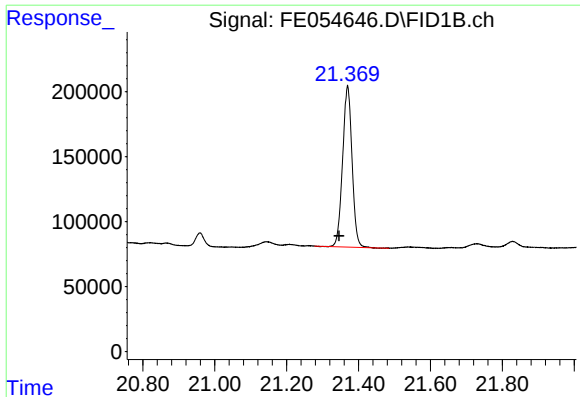
#19 n-Tetratriacontane (C34)

R.T.: 19.853 min
Delta R.T.: 0.019 min
Response: 2747963
Conc: 18.03 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.592 min
Delta R.T.: 0.019 min
Response: 2472417
Conc: 18.39 ug/ml



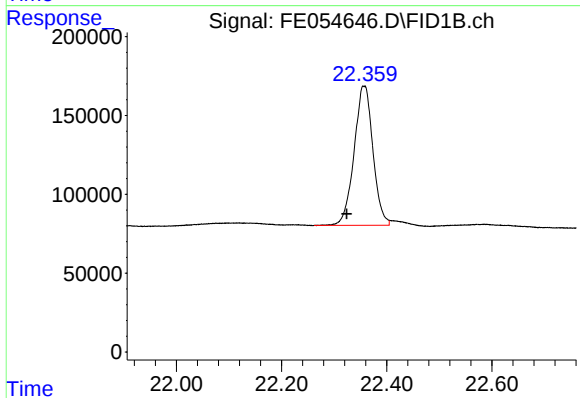
#21 n-Octatriacontane (C38)

R.T.: 21.370 min
Delta R.T.: 0.024 min
Response: 2264809
Conc: 19.31 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.359 min
Delta R.T.: 0.035 min
Response: 2197311
Conc: 20.27 ug/ml m