

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE053025AL\
 Data File : FE054096.D
 Signal(s) : FID1B.ch
 Acq On : 30 May 2025 13:32
 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 06/02/2025
 Supervised By :mohammad ahmed 06/03/2025

Integration File: autoint1.e
 Quant Time: May 30 22:54:36 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051425.M
 Quant Title : GC Extractables
 QLast Update : Wed May 14 12:15:41 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)	11.841	3052152	18.781 ug/ml
Spiked Amount 50.000		Recovery =	37.56%
12) S 1-chlorooctadecane (S...	13.285	2317867	19.552 ug/ml
Spiked Amount 50.000		Recovery =	39.10%
Target Compounds			
1) T n-Nonane (C9)	3.185	2214941	16.388 ug/ml
2) T n-Decane (C10)	4.449	2291091	16.955 ug/ml
3) T A~Naphthalene (C11.7)	6.164	2565551	17.852 ug/ml
4) T n-Dodecane (C12)	6.631	2388293	17.509 ug/ml
5) T A~2-methylnaphthalene...	7.266	2500836	18.030 ug/ml
6) T n-Tetradecane (C14)	8.466	2445016	18.118 ug/ml
7) T n-Hexadecane (C16)	10.079	2500978	18.535 ug/ml
8) T n-Octadecane (C18)	11.526	2501769	18.578 ug/ml
10) T n-Eicosane (C20)	12.840	2496492	18.995 ug/ml
11) T n-Heneicosane (C21)	13.453	2467286	19.031 ug/ml
13) T n-Docosane (C22)	14.041	2470602	19.366 ug/ml
14) T n-Tetracosane (C24)	15.147	2482292	19.840 ug/ml
15) T n-Hexacosane (C26)	16.171	2449206	20.001 ug/ml
16) T n-Octacosane (C28)	17.122	2410176	19.826 ug/ml
17) T n-Tricontane (C30)	18.011	2509947	20.150 ug/ml
18) T n-Dotriacontane (C32)	18.845	2558499	20.459 ug/ml
19) T n-Tetratriacontane (C34)	19.630	2383424	20.008 ug/mlm
20) T n-Hexatriacontane (C36)	20.373	2663012	22.999 ug/ml
21) T n-Octatriacontane (C38)	21.101	2385163	21.917 ug/mlm
22) T n-Tetracontane (C40)	21.997	2231100	22.484 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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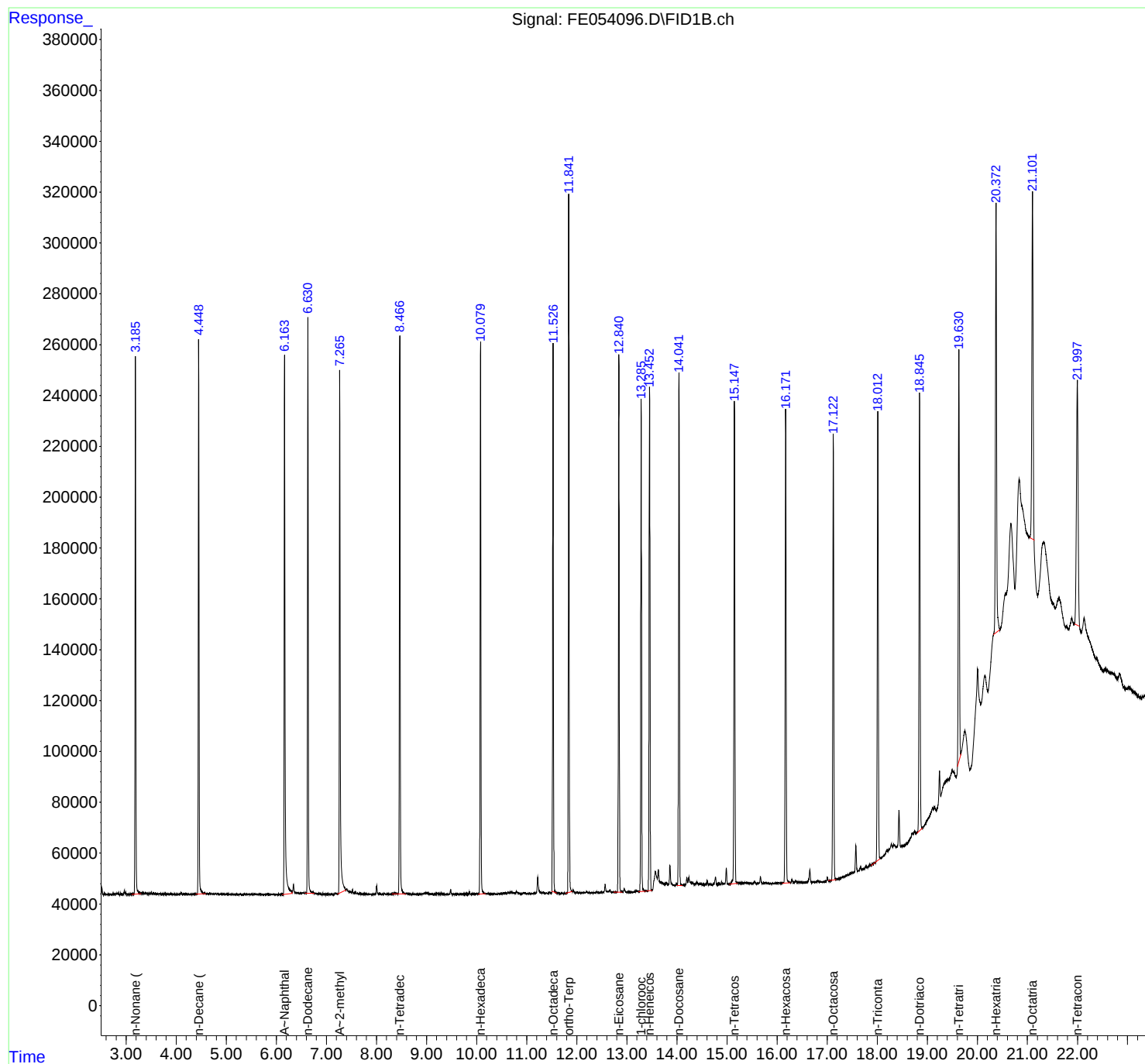
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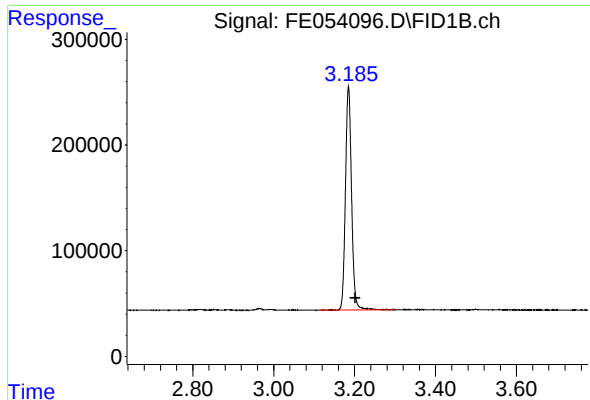
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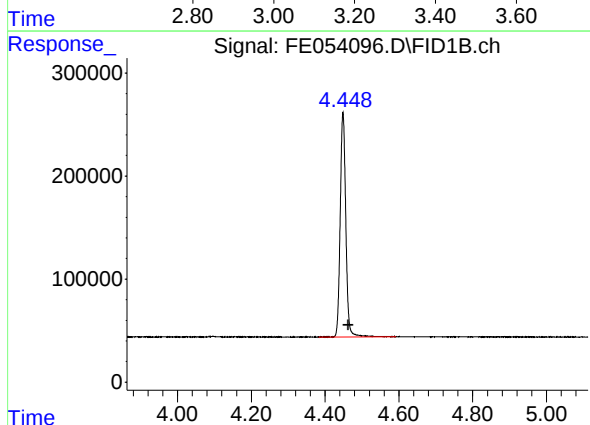
#1 n-Nonane (C9)

R.T.: 3.185 min
Delta R.T.: -0.017 min
Response: 2214941
Conc: 16.39 ug/ml

Instrument : FID_E
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20 PPM ALIPHATIC HC STD

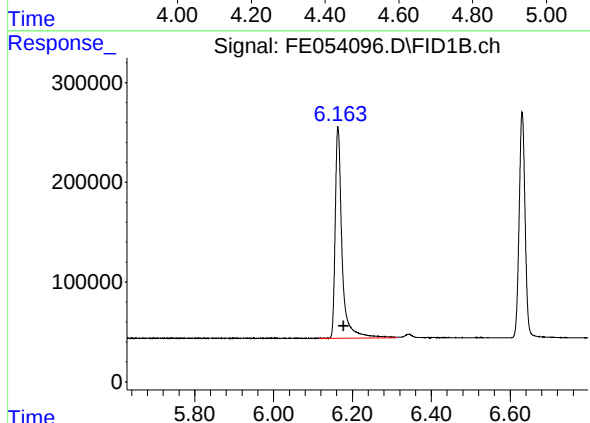
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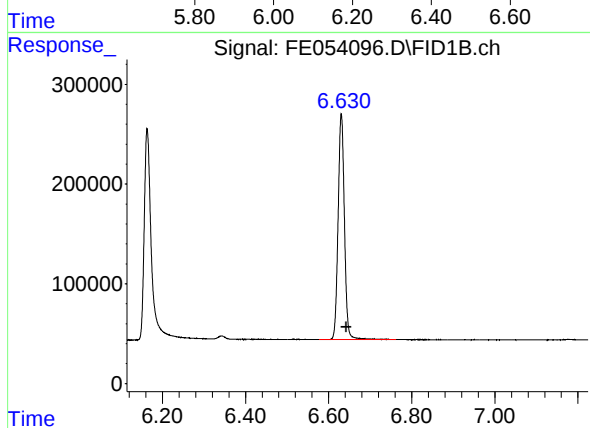
#2 n-Decane (C10)

R.T.: 4.449 min
Delta R.T.: -0.014 min
Response: 2291091
Conc: 16.95 ug/ml



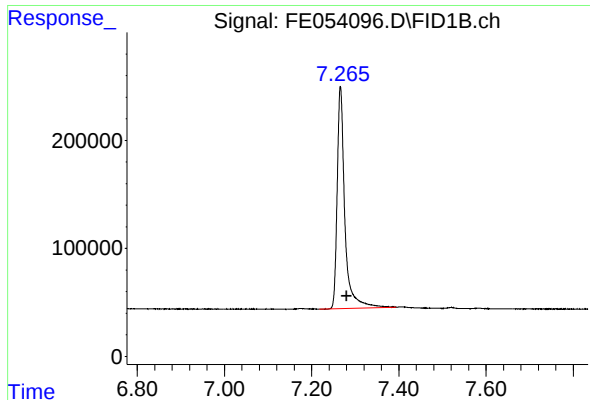
#3 A~Naphthalene (C11.7)

R.T.: 6.164 min
Delta R.T.: -0.015 min
Response: 2565551
Conc: 17.85 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.631 min
Delta R.T.: -0.012 min
Response: 2388293
Conc: 17.51 ug/ml



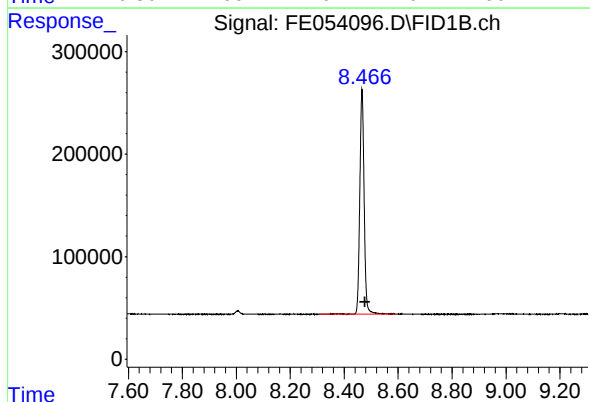
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.266 min
Delta R.T.: -0.014 min
Response: 2500836
Conc: 18.03 ug/ml

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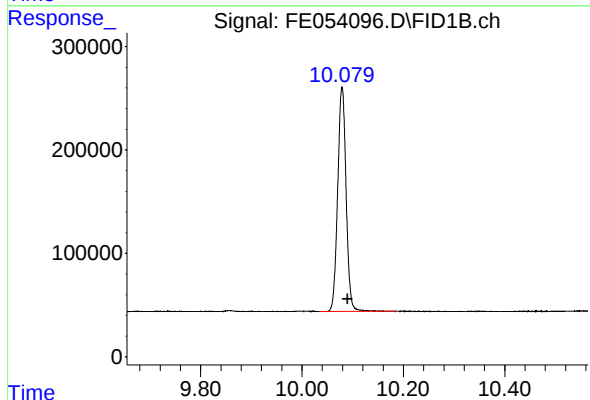
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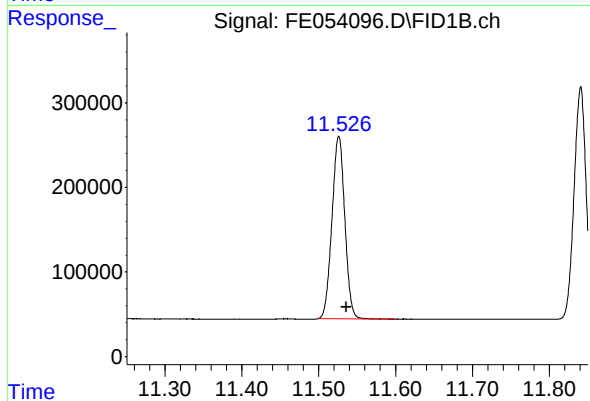
#6 n-Tetradecane (C14)

R.T.: 8.466 min
Delta R.T.: -0.011 min
Response: 2445016
Conc: 18.12 ug/ml



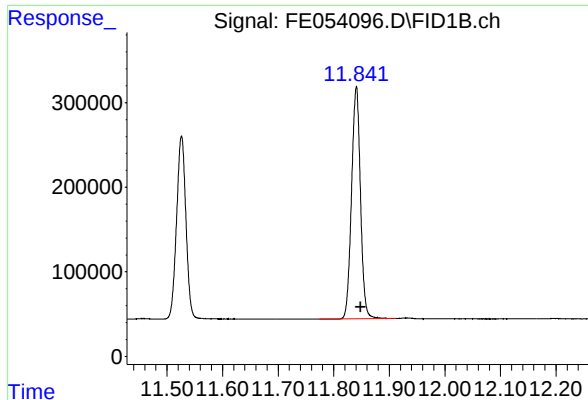
#7 n-Hexadecane (C16)

R.T.: 10.079 min
Delta R.T.: -0.011 min
Response: 2500978
Conc: 18.53 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.526 min
Delta R.T.: -0.010 min
Response: 2501769
Conc: 18.58 ug/ml



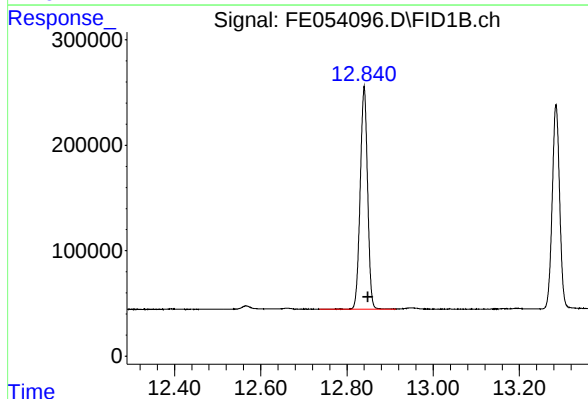
#9 ortho-Terphenyl (SURR)

R.T.: 11.841 min
Delta R.T.: -0.008 min
Response: 3052152
Conc: 18.78 ug/ml

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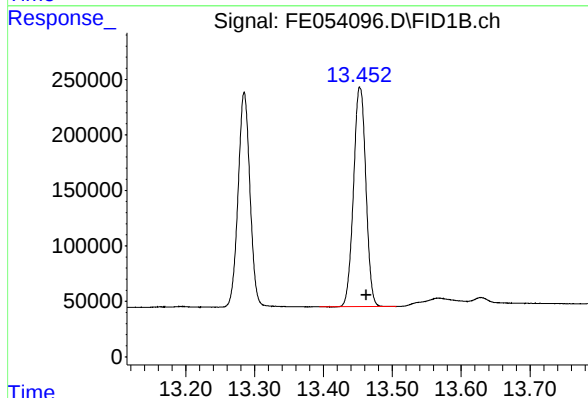
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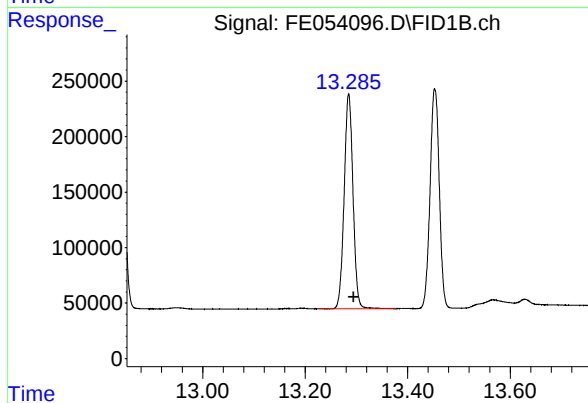
#10 n-Eicosane (C20)

R.T.: 12.840 min
Delta R.T.: -0.009 min
Response: 2496492
Conc: 19.00 ug/ml



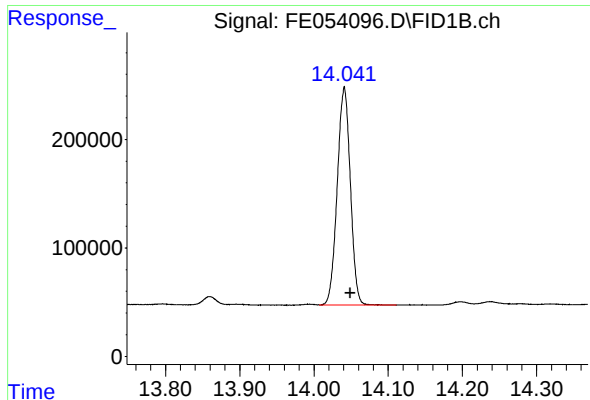
#11 n-Heneicosane (C21)

R.T.: 13.453 min
Delta R.T.: -0.009 min
Response: 2467286
Conc: 19.03 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.285 min
Delta R.T.: -0.010 min
Response: 2317867
Conc: 19.55 ug/ml



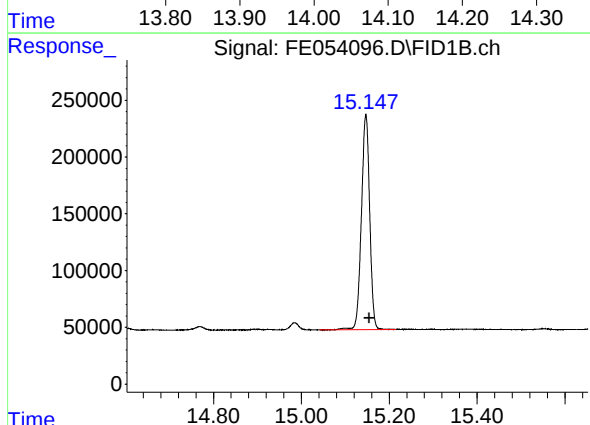
#13 n-Docosane (C22)

R.T.: 14.041 min
Delta R.T.: -0.009 min
Response: 2470602
Conc: 19.37 ug/ml

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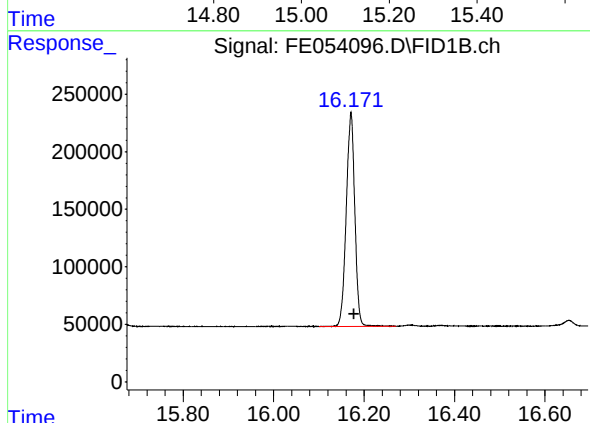
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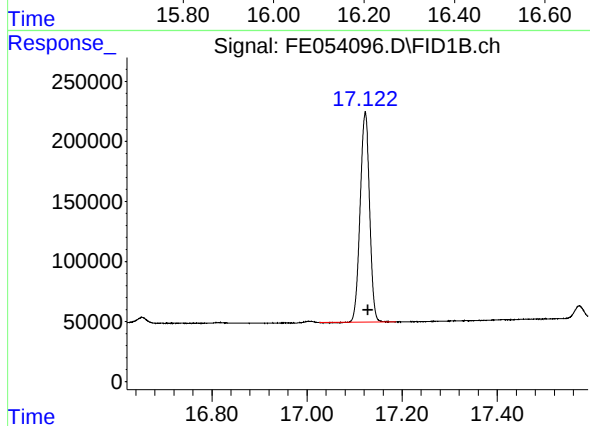
#14 n-Tetracosane (C24)

R.T.: 15.147 min
Delta R.T.: -0.008 min
Response: 2482292
Conc: 19.84 ug/ml



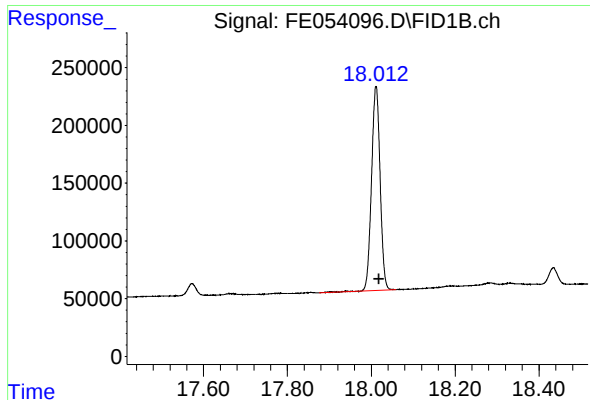
#15 n-Hexacosane (C26)

R.T.: 16.171 min
Delta R.T.: -0.007 min
Response: 2449206
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.122 min
Delta R.T.: -0.006 min
Response: 2410176
Conc: 19.83 ug/ml



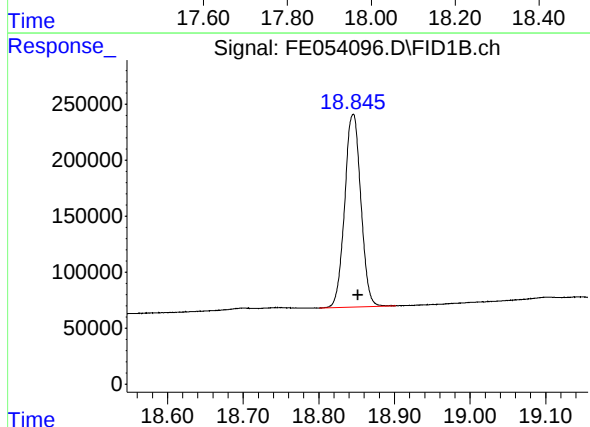
#17 n-Tricontane (C30)

R.T.: 18.011 min
Delta R.T.: -0.007 min
Response: 2509947
Conc: 20.15 ug/ml

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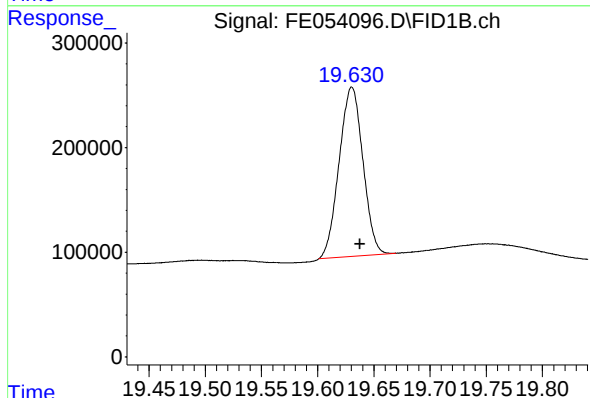
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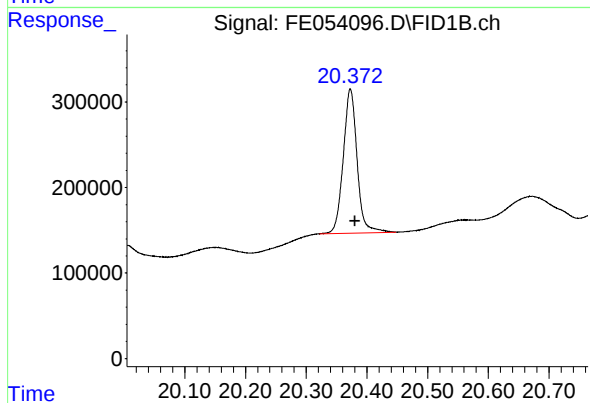
#18 n-Dotriacontane (C32)

R.T.: 18.845 min
Delta R.T.: -0.007 min
Response: 2558499
Conc: 20.46 ug/ml



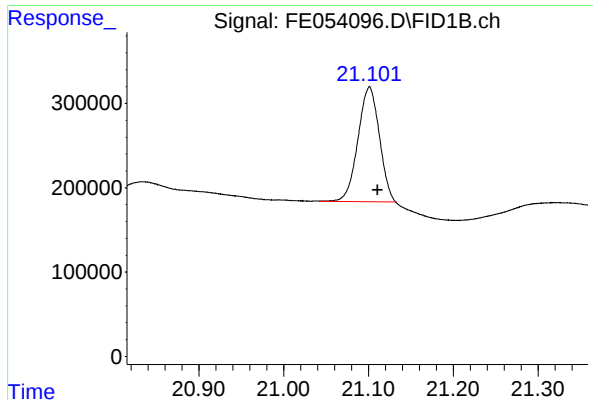
#19 n-Tetratriacontane (C34)

R.T.: 19.630 min
Delta R.T.: -0.008 min
Response: 2383424
Conc: 20.01 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.373 min
Delta R.T.: -0.007 min
Response: 2663012
Conc: 23.00 ug/ml



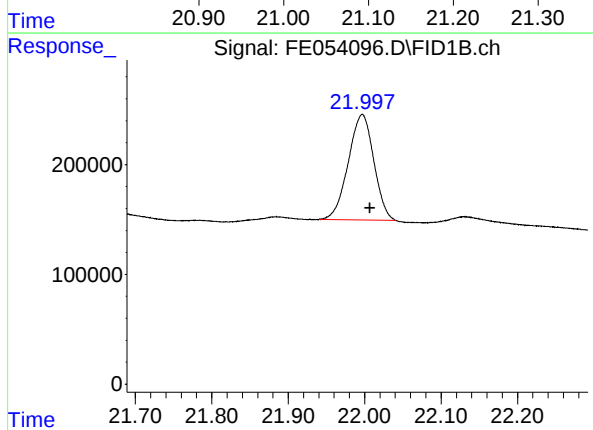
#21 n-Octatriacontane (C38)

R.T.: 21.101 min
Delta R.T.: -0.010 min
Response: 2385163
Conc: 21.92 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.997 min
Delta R.T.: -0.010 min
Response: 2231100
Conc: 22.48 ug/ml m