

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE050925AL\
 Data File : FE053741.D
 Signal(s) : FID1B.ch
 Acq On : 09 May 2025 10:05
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/12/2025
 Supervised By :mohammad ahmed 05/14/2025

Integration File: autoint1.e
 Quant Time: May 10 01:21:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 29 06:49:03 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)	11.856	3664584	20.318 ug/ml
Spiked Amount 50.000		Recovery =	40.64%
12) S 1-chlorooctadecane (S...	13.302	2705473	20.015 ug/ml
Spiked Amount 50.000		Recovery =	40.03%
Target Compounds			
1) T n-Nonane (C9)	3.205	3021928	22.041 ug/ml
2) T n-Decane (C10)	4.467	3062777	22.140 ug/ml
3) T A~Naphthalene (C11.7)	6.178	3323693	22.019 ug/ml
4) T n-Dodecane (C12)	6.647	3104871	22.138 ug/ml
5) T A~2-methylnaphthalene...	7.280	3238600	21.691 ug/ml
6) T n-Tetradecane (C14)	8.483	3068860	21.875 ug/ml
7) T n-Hexadecane (C16)	10.095	3058183	21.338 ug/ml
8) T n-Octadecane (C18)	11.543	3040237	20.862 ug/ml
10) T n-Eicosane (C20)	12.856	2962592	20.360 ug/ml
11) T n-Heneicosane (C21)	13.470	2920852	20.165 ug/ml
13) T n-Docosane (C22)	14.057	2884018	19.986 ug/ml
14) T n-Tetracosane (C24)	15.163	2831084	19.710 ug/ml
15) T n-Hexacosane (C26)	16.186	2785290	19.666 ug/ml
16) T n-Octacosane (C28)	17.138	2781072	19.990 ug/ml
17) T n-Tricontane (C30)	18.026	2894952	20.798 ug/mlm
18) T n-Dotriacontane (C32)	18.861	2935804	21.381 ug/ml
19) T n-Tetratriacontane (C34)	19.646	2844957	21.835 ug/ml
20) T n-Hexatriacontane (C36)	20.386	2813393	22.285 ug/ml
21) T n-Octatriacontane (C38)	21.118	2776164	22.787 ug/mlm
22) T n-Tetracontane (C40)	22.019	2740744	22.950 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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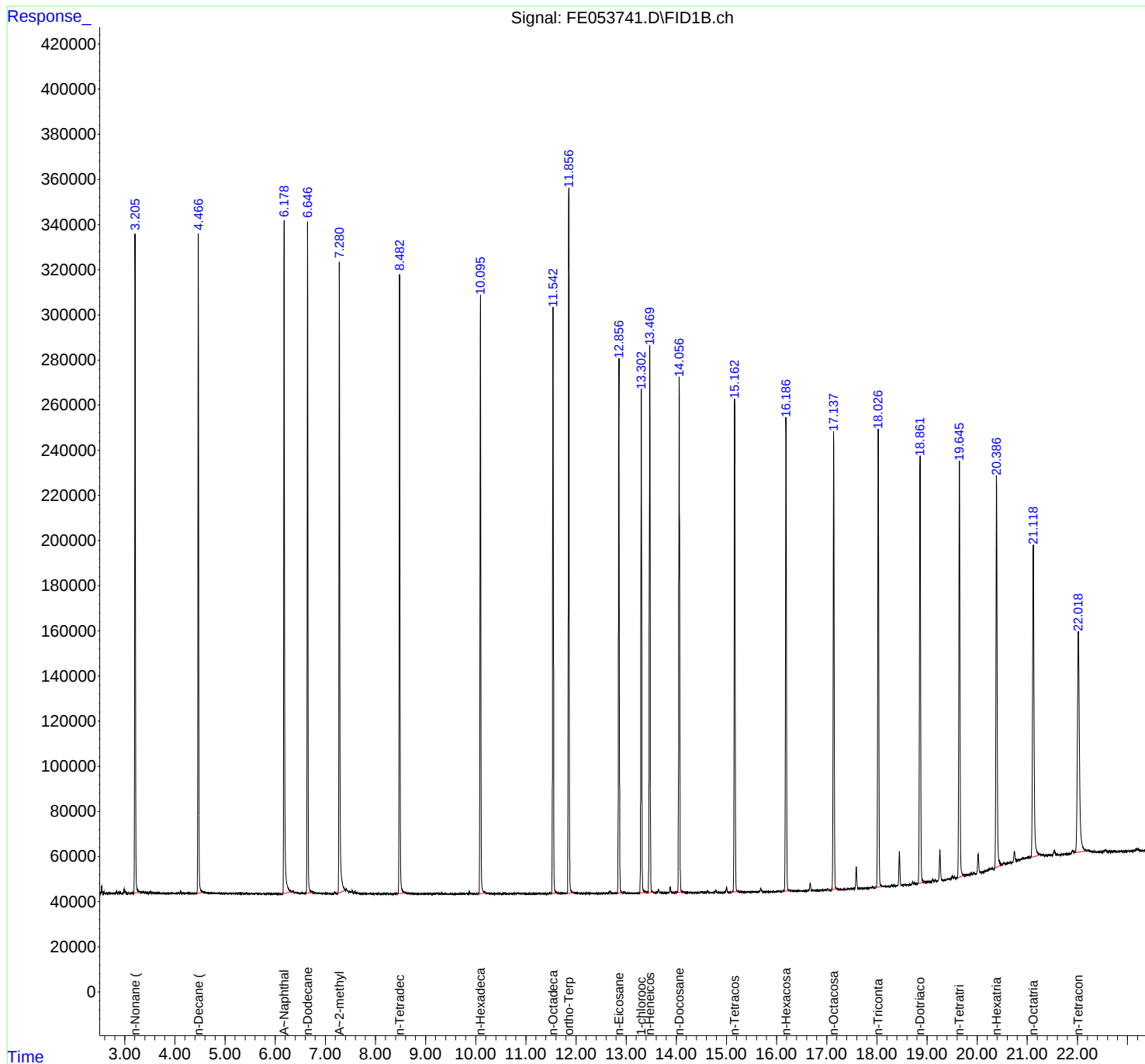
Instrument :
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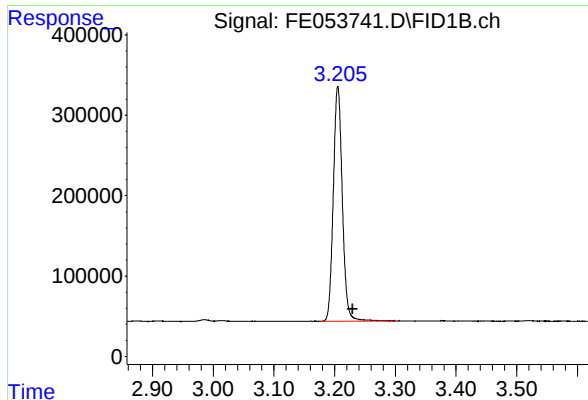
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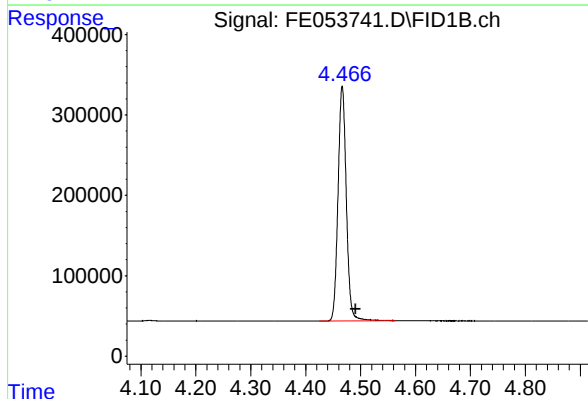
#1 n-Nonane (C9)

R.T.: 3.205 min
Delta R.T.: -0.025 min
Response: 3021928
Conc: 22.04 ug/ml

Instrument : FID_E
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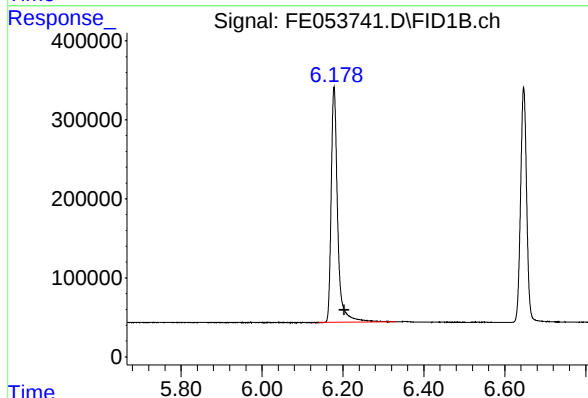
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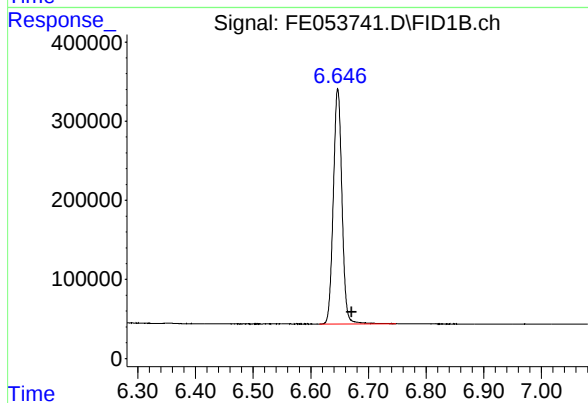
#2 n-Decane (C10)

R.T.: 4.467 min
Delta R.T.: -0.024 min
Response: 3062777
Conc: 22.14 ug/ml



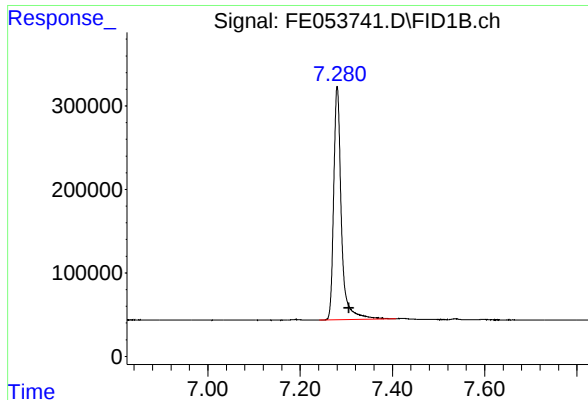
#3 A~Naphthalene (C11.7)

R.T.: 6.178 min
Delta R.T.: -0.025 min
Response: 3323693
Conc: 22.02 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.647 min
Delta R.T.: -0.024 min
Response: 3104871
Conc: 22.14 ug/ml



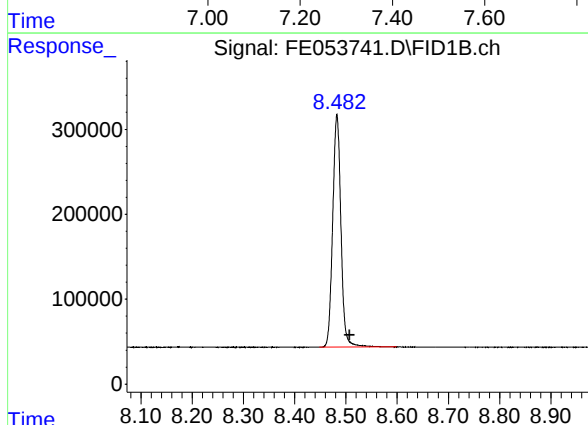
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.280 min
Delta R.T.: -0.025 min
Response: 3238600
Conc: 21.69 ug/ml

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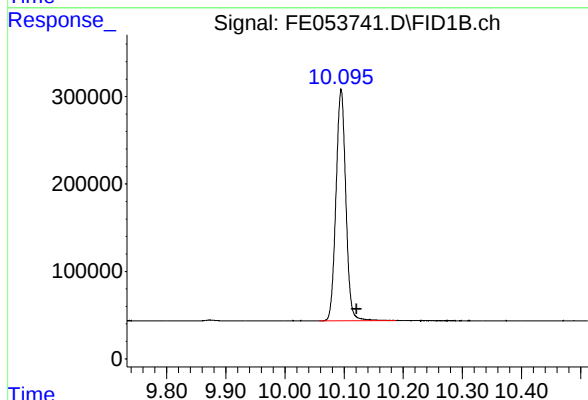
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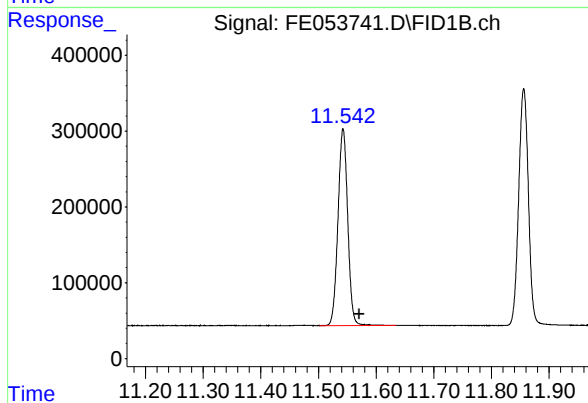
#6 n-Tetradecane (C14)

R.T.: 8.483 min
Delta R.T.: -0.025 min
Response: 3068860
Conc: 21.88 ug/ml



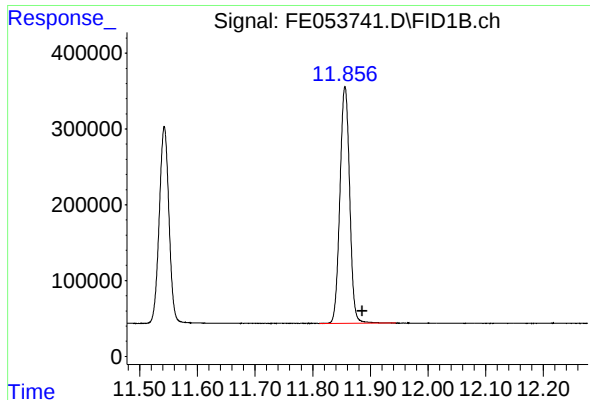
#7 n-Hexadecane (C16)

R.T.: 10.095 min
Delta R.T.: -0.026 min
Response: 3058183
Conc: 21.34 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.543 min
Delta R.T.: -0.028 min
Response: 3040237
Conc: 20.86 ug/ml



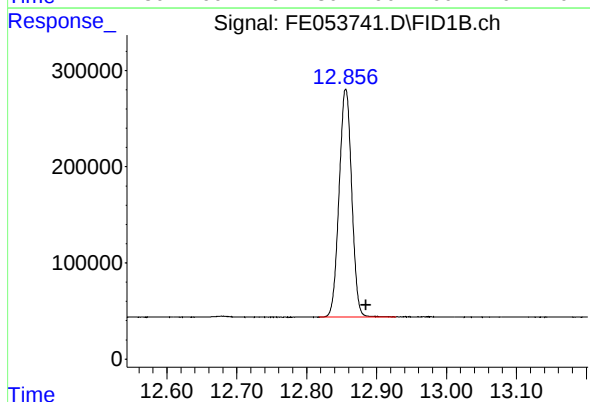
#9 ortho-Terphenyl (SURR)

R.T.: 11.856 min
Delta R.T.: -0.030 min
Response: 3664584
Conc: 20.32 ug/ml

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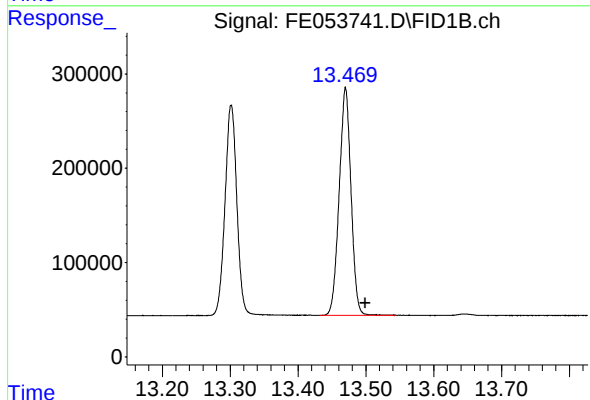
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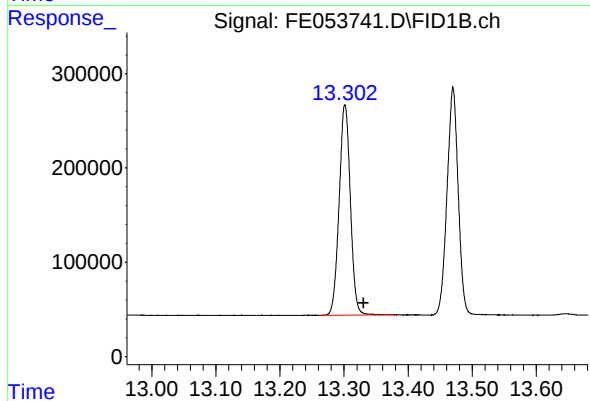
#10 n-Eicosane (C20)

R.T.: 12.856 min
Delta R.T.: -0.029 min
Response: 2962592
Conc: 20.36 ug/ml



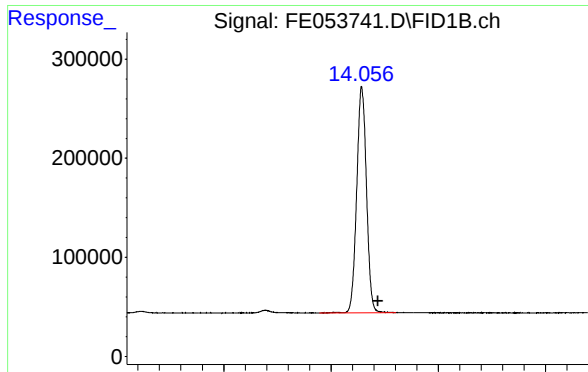
#11 n-Heneicosane (C21)

R.T.: 13.470 min
Delta R.T.: -0.029 min
Response: 2920852
Conc: 20.17 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.302 min
Delta R.T.: -0.029 min
Response: 2705473
Conc: 20.01 ug/ml



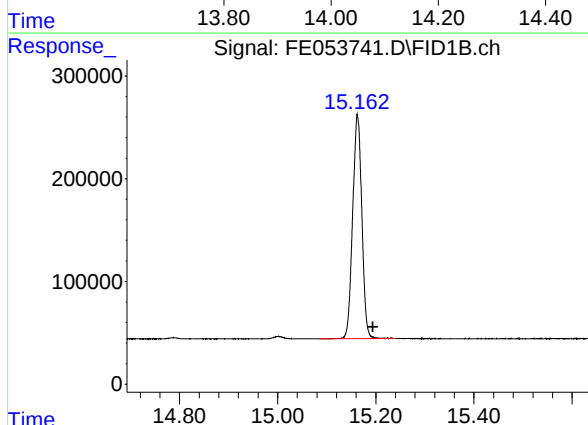
#13 n-Docosane (C22)

R.T.: 14.057 min
Delta R.T.: -0.030 min
Response: 2884018
Conc: 19.99 ug/ml

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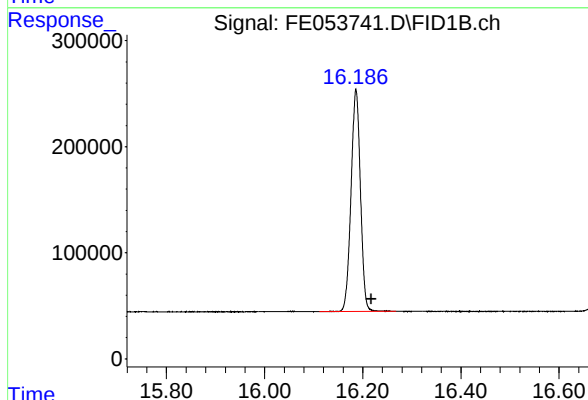
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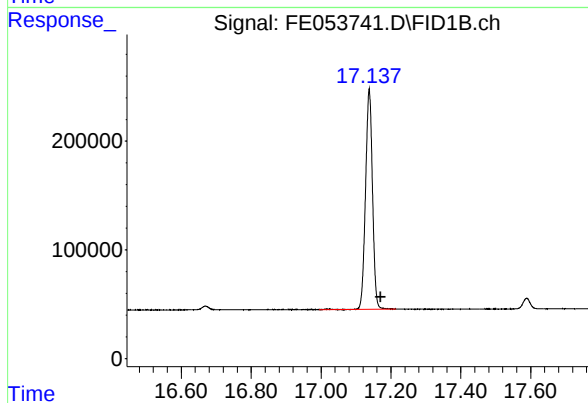
#14 n-Tetracosane (C24)

R.T.: 15.163 min
Delta R.T.: -0.031 min
Response: 2831084
Conc: 19.71 ug/ml



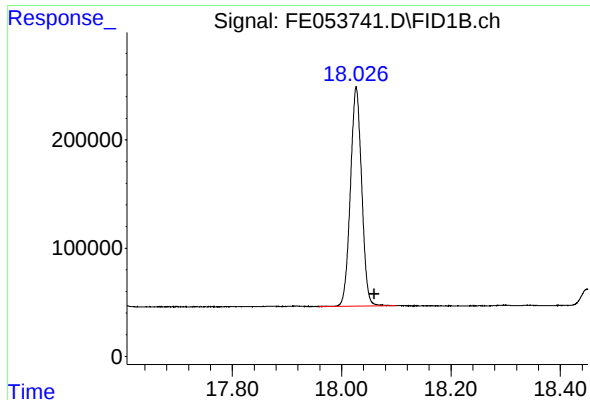
#15 n-Hexacosane (C26)

R.T.: 16.186 min
Delta R.T.: -0.031 min
Response: 2785290
Conc: 19.67 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.138 min
Delta R.T.: -0.032 min
Response: 2781072
Conc: 19.99 ug/ml



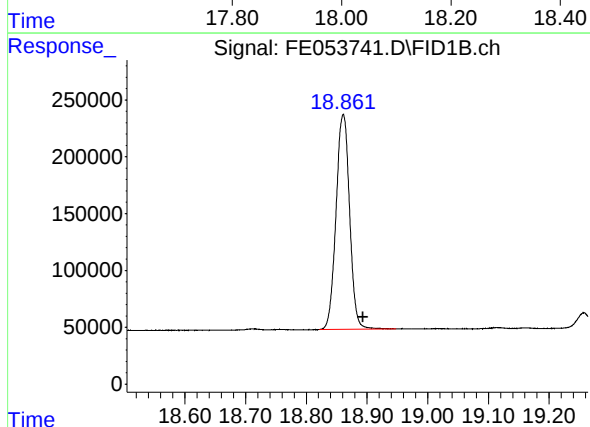
#17 n-Tricontane (C30)

R.T.: 18.026 min
Delta R.T.: -0.034 min
Response: 2894952
Conc: 20.80 ug/ml

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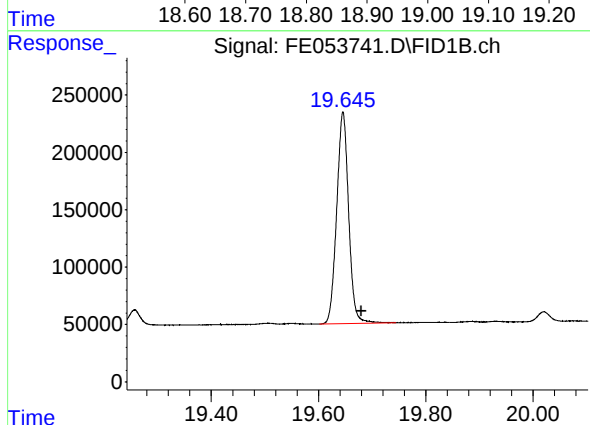
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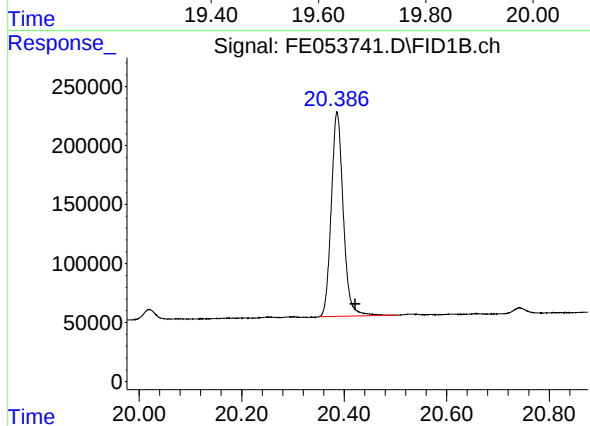
#18 n-Dotriacontane (C32)

R.T.: 18.861 min
Delta R.T.: -0.033 min
Response: 2935804
Conc: 21.38 ug/ml



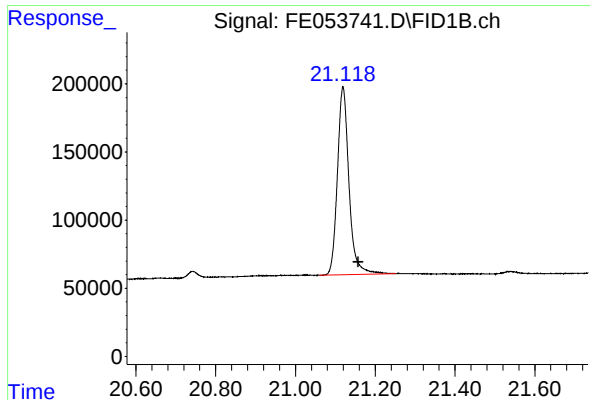
#19 n-Tetratriacontane (C34)

R.T.: 19.646 min
Delta R.T.: -0.034 min
Response: 2844957
Conc: 21.83 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.386 min
Delta R.T.: -0.036 min
Response: 2813393
Conc: 22.28 ug/ml



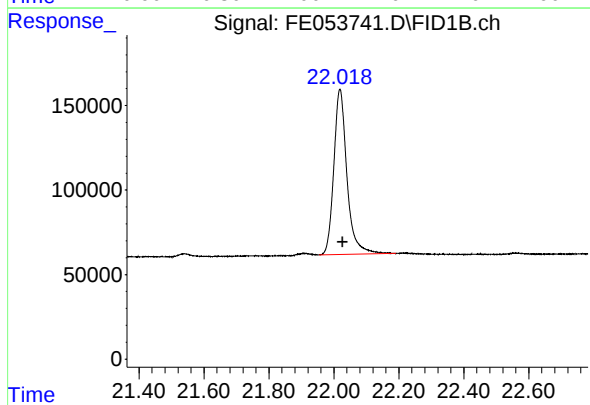
#21 n-Octatriacontane (C38)

R.T.: 21.118 min
Delta R.T.: -0.040 min
Response: 2776164
Conc: 22.79 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.019 min
Delta R.T.: -0.008 min
Response: 2740744
Conc: 22.95 ug/ml