

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE051925AL\
 Data File : FE053892.D
 Signal(s) : FID1B.ch
 Acq On : 19 May 2025 11:06
 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 05/20/2025
 Supervised By :mohammad ahmed 05/21/2025

Integration File: autoint1.e
 Quant Time: May 20 01:22:24 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)	11.853	3168688	19.498 ug/ml
Spiked Amount 50.000		Recovery =	39.00%
12) S 1-chlorooctadecane (S...	13.299	2279490	19.228 ug/ml
Spiked Amount 50.000		Recovery =	38.46%
Target Compounds			
1) T n-Nonane (C9)	3.199	2617283	19.365 ug/ml
2) T n-Decane (C10)	4.461	2636179	19.508 ug/ml
3) T A~Naphthalene (C11.7)	6.175	2841367	19.771 ug/ml
4) T n-Dodecane (C12)	6.643	2669637	19.571 ug/ml
5) T A~2-methylnaphthalene...	7.277	2772885	19.991 ug/ml
6) T n-Tetradecane (C14)	8.478	2650649	19.642 ug/ml
7) T n-Hexadecane (C16)	10.091	2653226	19.663 ug/ml
8) T n-Octadecane (C18)	11.540	2633633	19.558 ug/ml
10) T n-Eicosane (C20)	12.853	2559186	19.472 ug/ml
11) T n-Heneicosane (C21)	13.467	2532065	19.531 ug/ml
13) T n-Docosane (C22)	14.055	2487576	19.499 ug/ml
14) T n-Tetracosane (C24)	15.161	2444077	19.534 ug/ml
15) T n-Hexacosane (C26)	16.184	2372028	19.371 ug/ml
16) T n-Octacosane (C28)	17.137	2327884	19.149 ug/ml
17) T n-Tricontane (C30)	18.028	2312360	18.564 ug/ml
18) T n-Dotriacontane (C32)	18.863	2269909	18.151 ug/ml
19) T n-Tetratriacontane (C34)	19.649	2144340	18.001 ug/ml
20) T n-Hexatriacontane (C36)	20.391	1977202	17.076 ug/ml
21) T n-Octatriacontane (C38)	21.123	2190406	20.128 ug/ml
22) T n-Tetracontane (C40)	22.025	2088620	21.048 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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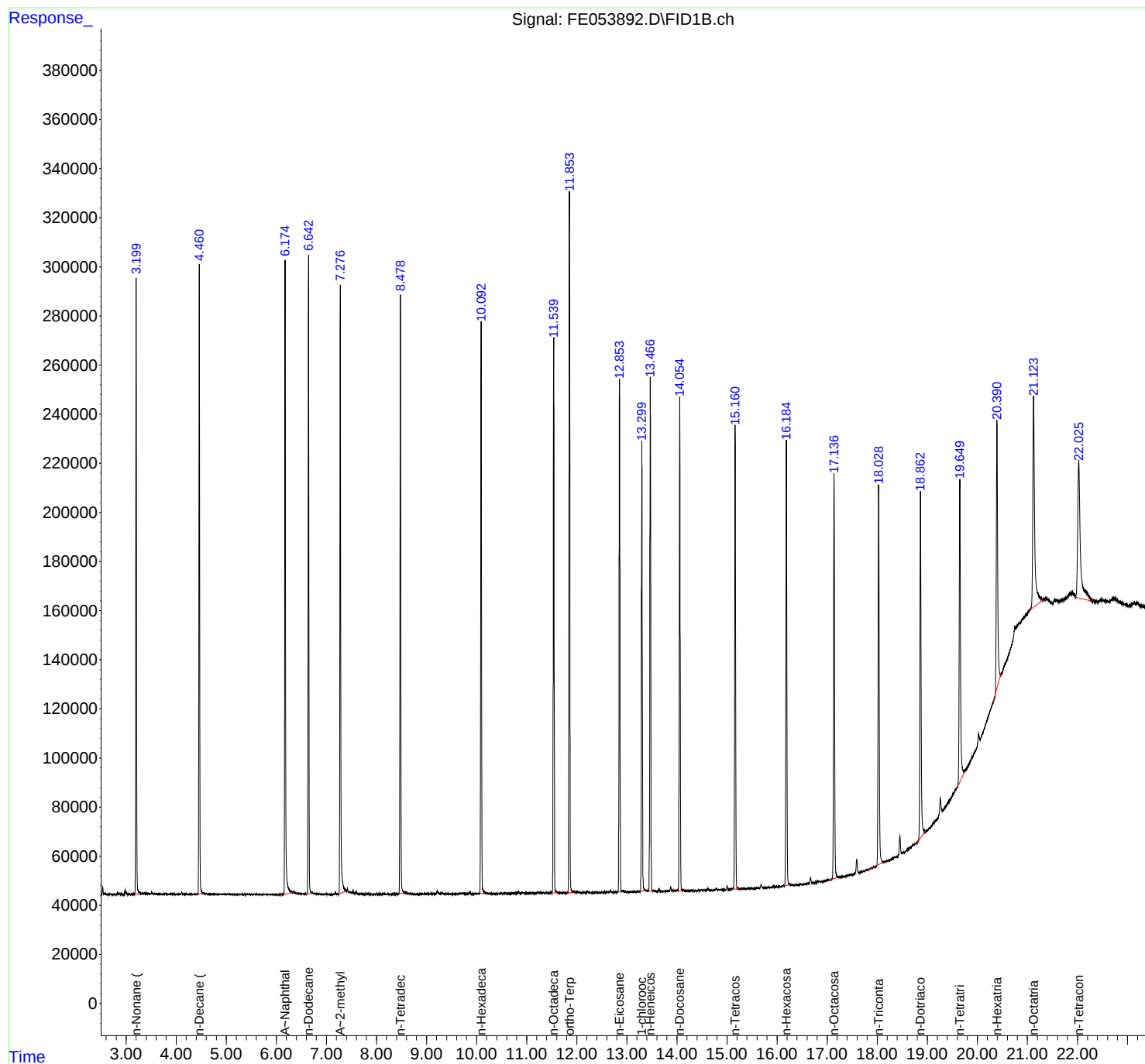
Instrument :
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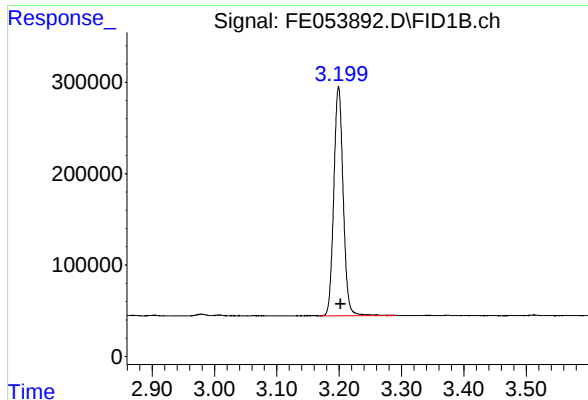
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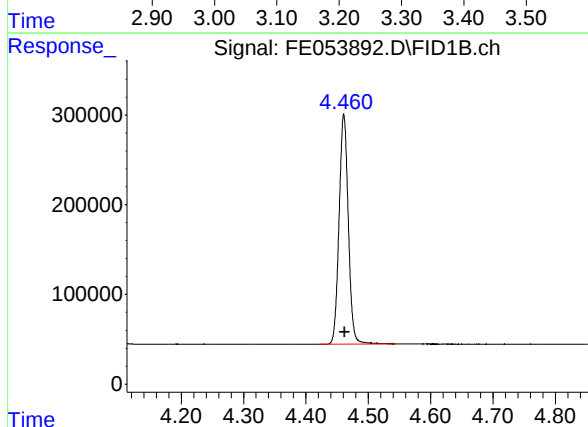
#1 n-Nonane (C9)

R.T.: 3.199 min
Delta R.T.: -0.003 min
Response: 2617283
Conc: 19.37 ug/ml

Instrument :
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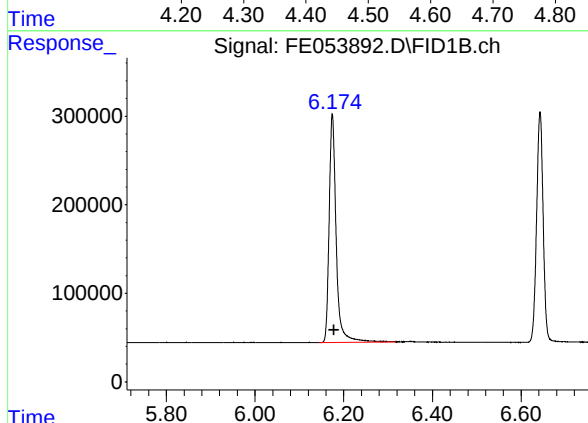
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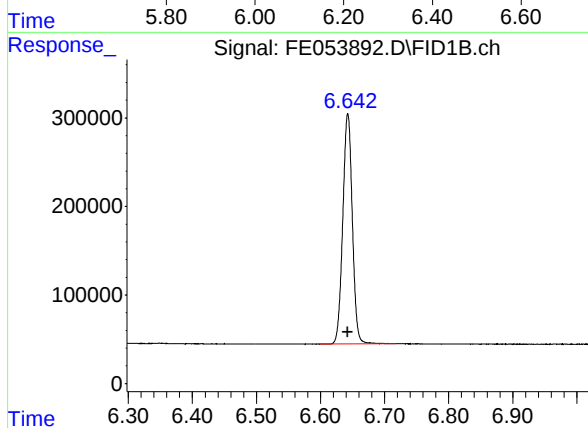
#2 n-Decane (C10)

R.T.: 4.461 min
Delta R.T.: -0.002 min
Response: 2636179
Conc: 19.51 ug/ml



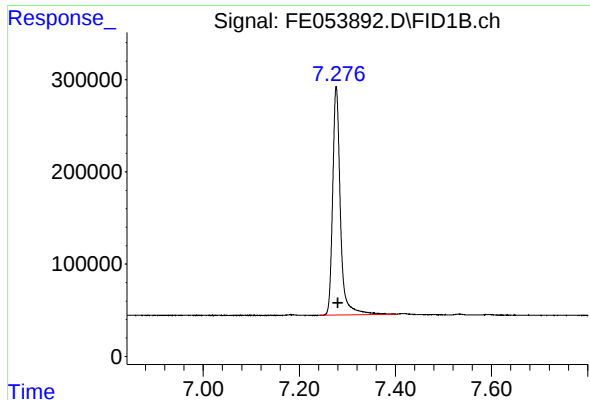
#3 A~Naphthalene (C11.7)

R.T.: 6.175 min
Delta R.T.: -0.004 min
Response: 2841367
Conc: 19.77 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.643 min
Delta R.T.: 0.000 min
Response: 2669637
Conc: 19.57 ug/ml



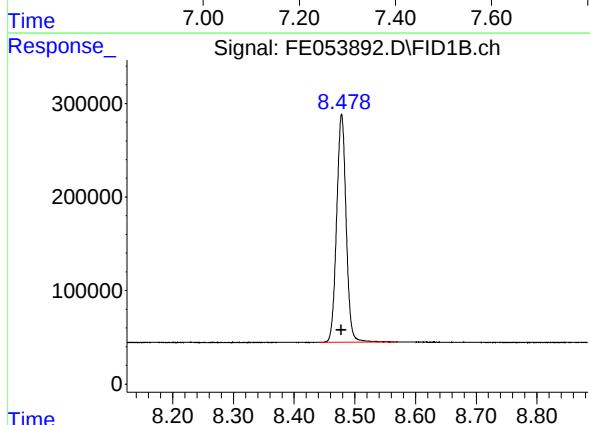
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.277 min
Delta R.T.: -0.003 min
Response: 2772885
Conc: 19.99 ug/ml

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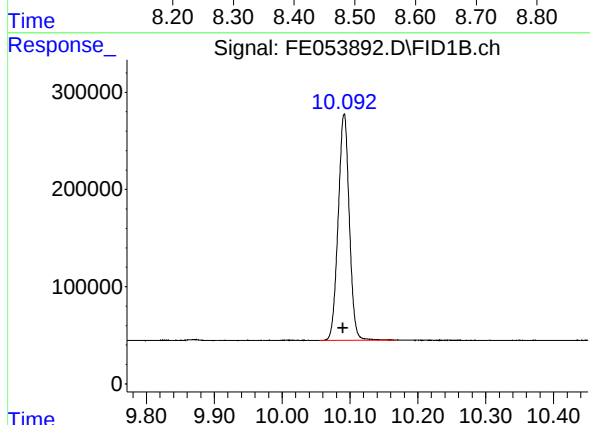
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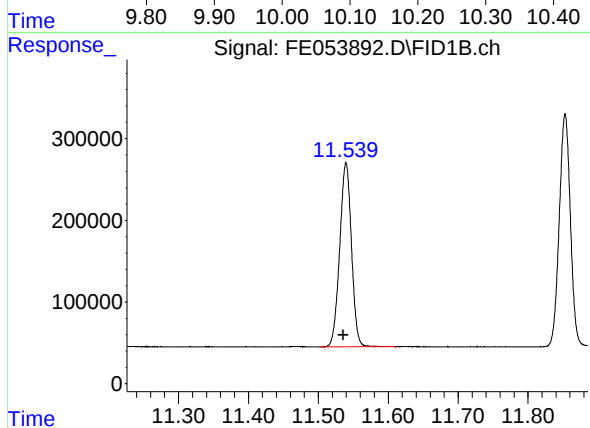
#6 n-Tetradecane (C14)

R.T.: 8.478 min
Delta R.T.: 0.000 min
Response: 2650649
Conc: 19.64 ug/ml



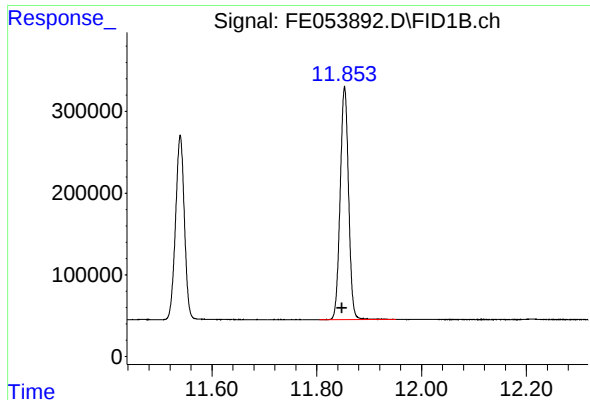
#7 n-Hexadecane (C16)

R.T.: 10.091 min
Delta R.T.: 0.002 min
Response: 2653226
Conc: 19.66 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.540 min
Delta R.T.: 0.004 min
Response: 2633633
Conc: 19.56 ug/ml



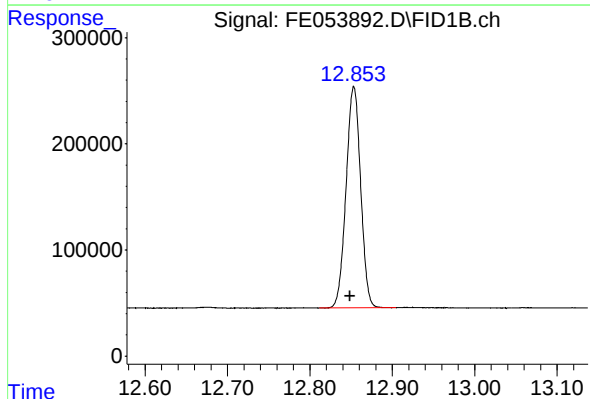
#9 ortho-Terphenyl (SURR)

R.T.: 11.853 min
Delta R.T.: 0.005 min
Response: 3168688
Conc: 19.50 ug/ml

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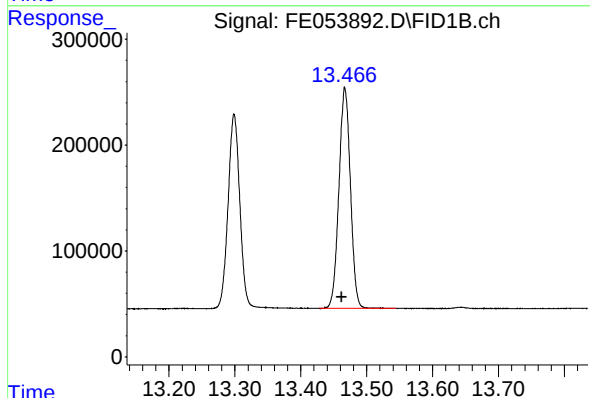
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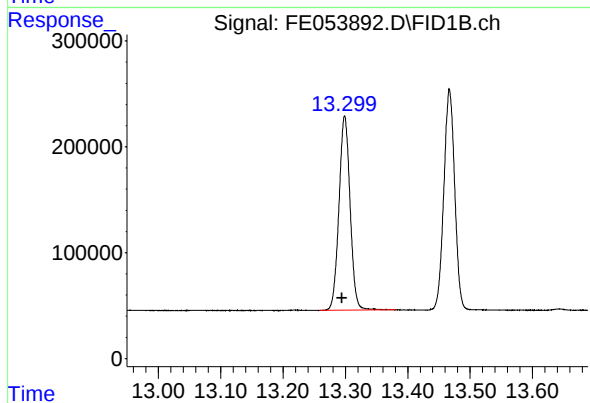
#10 n-Eicosane (C20)

R.T.: 12.853 min
Delta R.T.: 0.005 min
Response: 2559186
Conc: 19.47 ug/ml



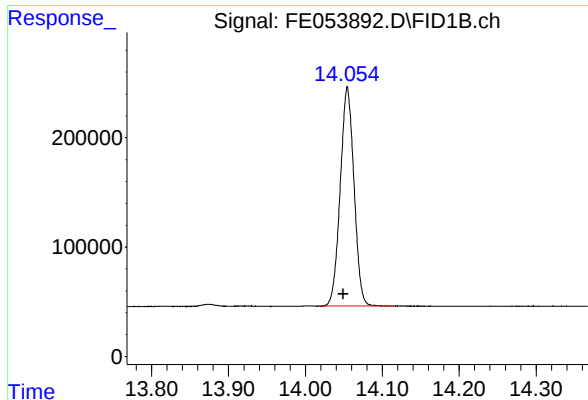
#11 n-Heneicosane (C21)

R.T.: 13.467 min
Delta R.T.: 0.005 min
Response: 2532065
Conc: 19.53 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.299 min
Delta R.T.: 0.004 min
Response: 2279490
Conc: 19.23 ug/ml



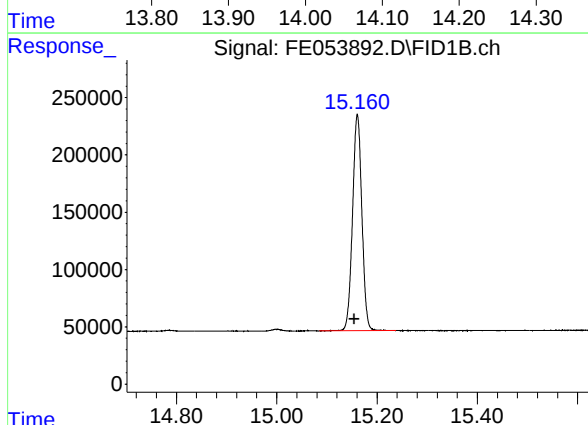
#13 n-Docosane (C22)

R.T.: 14.055 min
Delta R.T.: 0.005 min
Response: 2487576
Conc: 19.50 ug/ml

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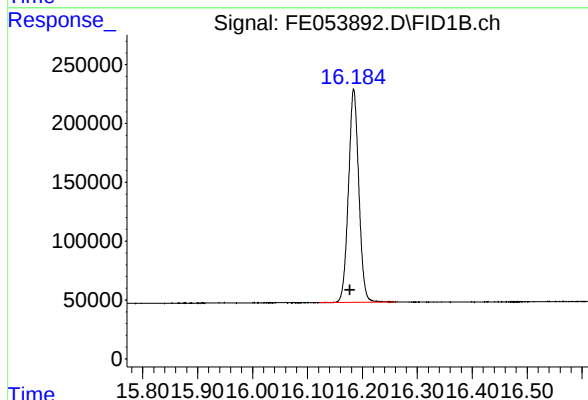
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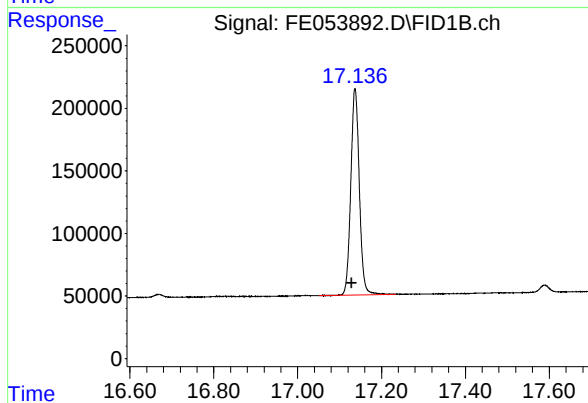
#14 n-Tetracosane (C24)

R.T.: 15.161 min
Delta R.T.: 0.006 min
Response: 2444077
Conc: 19.53 ug/ml



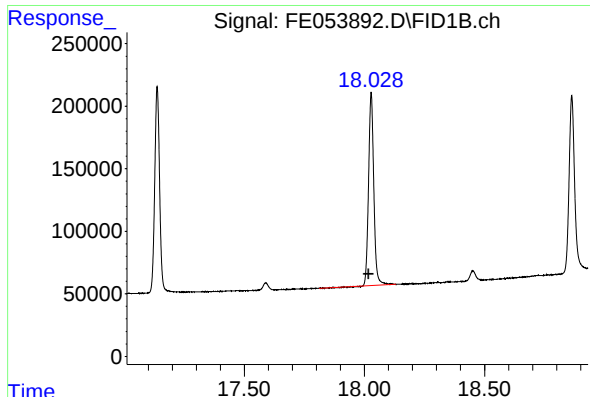
#15 n-Hexacosane (C26)

R.T.: 16.184 min
Delta R.T.: 0.006 min
Response: 2372028
Conc: 19.37 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.137 min
Delta R.T.: 0.008 min
Response: 2327884
Conc: 19.15 ug/ml



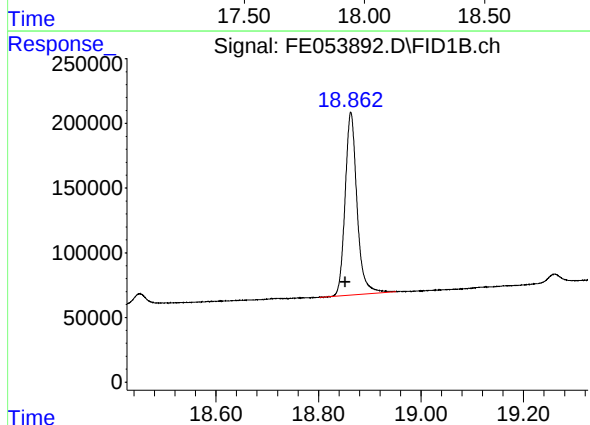
#17 n-Tricontane (C30)

R.T.: 18.028 min
Delta R.T.: 0.010 min
Response: 2312360
Conc: 18.56 ug/ml

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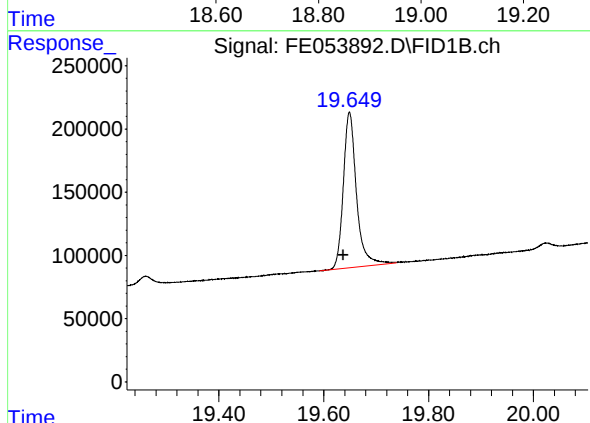
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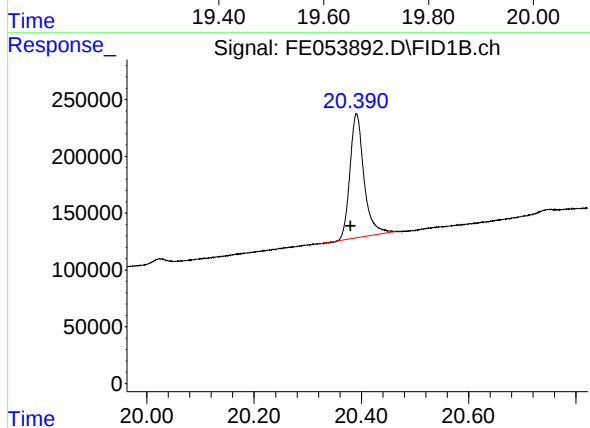
#18 n-Dotriacontane (C32)

R.T.: 18.863 min
Delta R.T.: 0.011 min
Response: 2269909
Conc: 18.15 ug/ml



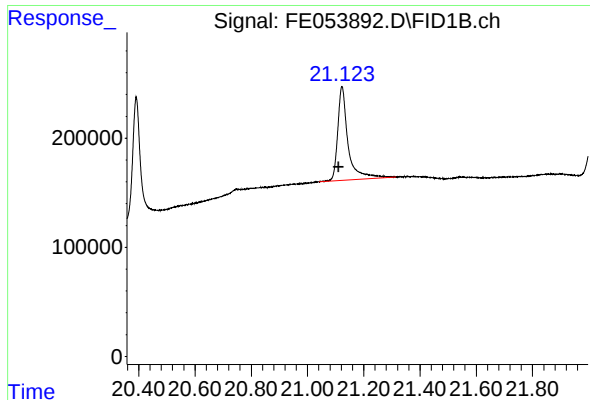
#19 n-Tetratriacontane (C34)

R.T.: 19.649 min
Delta R.T.: 0.011 min
Response: 2144340
Conc: 18.00 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.391 min
Delta R.T.: 0.011 min
Response: 1977202
Conc: 17.08 ug/ml



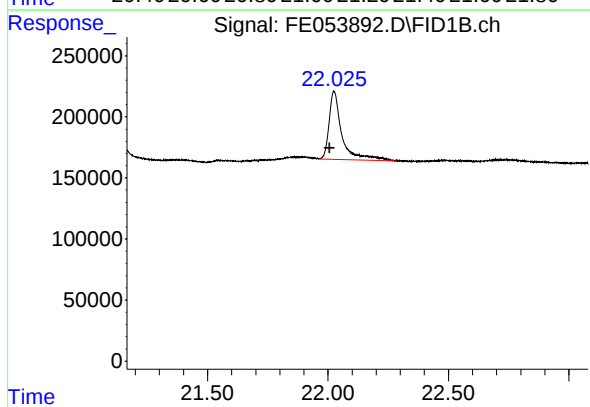
#21 n-Octatriacontane (C38)

R.T.: 21.123 min
Delta R.T.: 0.012 min
Response: 2190406
Conc: 20.13 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.025 min
Delta R.T.: 0.018 min
Response: 2088620
Conc: 21.05 ug/ml m