

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE051625AL\
 Data File : FE053866.D
 Signal(s) : FID1B.ch
 Acq On : 16 May 2025 08:40
 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 05/21/2025
 Supervised By :mohammad ahmed 05/22/2025

Integration File: autoint1.e
 Quant Time: May 17 05:06:12 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)	11.849	3072987	18.909 ug/ml
Spiked Amount 50.000		Recovery =	37.82%
12) S 1-chlorooctadecane (S...	13.294	2264123	19.099 ug/ml
Spiked Amount 50.000		Recovery =	38.20%
Target Compounds			
1) T n-Nonane (C9)	3.199	2576228	19.062 ug/ml
2) T n-Decane (C10)	4.460	2583055	19.115 ug/ml
3) T A~Naphthalene (C11.7)	6.172	2769233	19.269 ug/ml
4) T n-Dodecane (C12)	6.640	2607142	19.113 ug/ml
5) T A~2-methylnaphthalene...	7.274	2622179	18.904 ug/ml
6) T n-Tetradecane (C14)	8.476	2577441	19.099 ug/ml
7) T n-Hexadecane (C16)	10.088	2571347	19.056 ug/ml
8) T n-Octadecane (C18)	11.536	2557661	18.993 ug/ml
10) T n-Eicosane (C20)	12.849	2489839	18.944 ug/ml
11) T n-Heneicosane (C21)	13.462	2456548	18.948 ug/ml
13) T n-Docosane (C22)	14.050	2425766	19.014 ug/ml
14) T n-Tetracosane (C24)	15.156	2377627	19.003 ug/ml
15) T n-Hexacosane (C26)	16.179	2329218	19.022 ug/ml
16) T n-Octacosane (C28)	17.131	2297343	18.898 ug/ml
17) T n-Tricontane (C30)	18.020	2333275	18.731 ug/ml
18) T n-Dotriacontane (C32)	18.855	2357186	18.849 ug/ml
19) T n-Tetratriacontane (C34)	19.640	2280460	19.144 ug/ml
20) T n-Hexatriacontane (C36)	20.382	2253986	19.467 ug/ml
21) T n-Octatriacontane (C38)	21.114	2215312	20.357 ug/ml
22) T n-Tetracontane (C40)	22.011	2153853	21.705 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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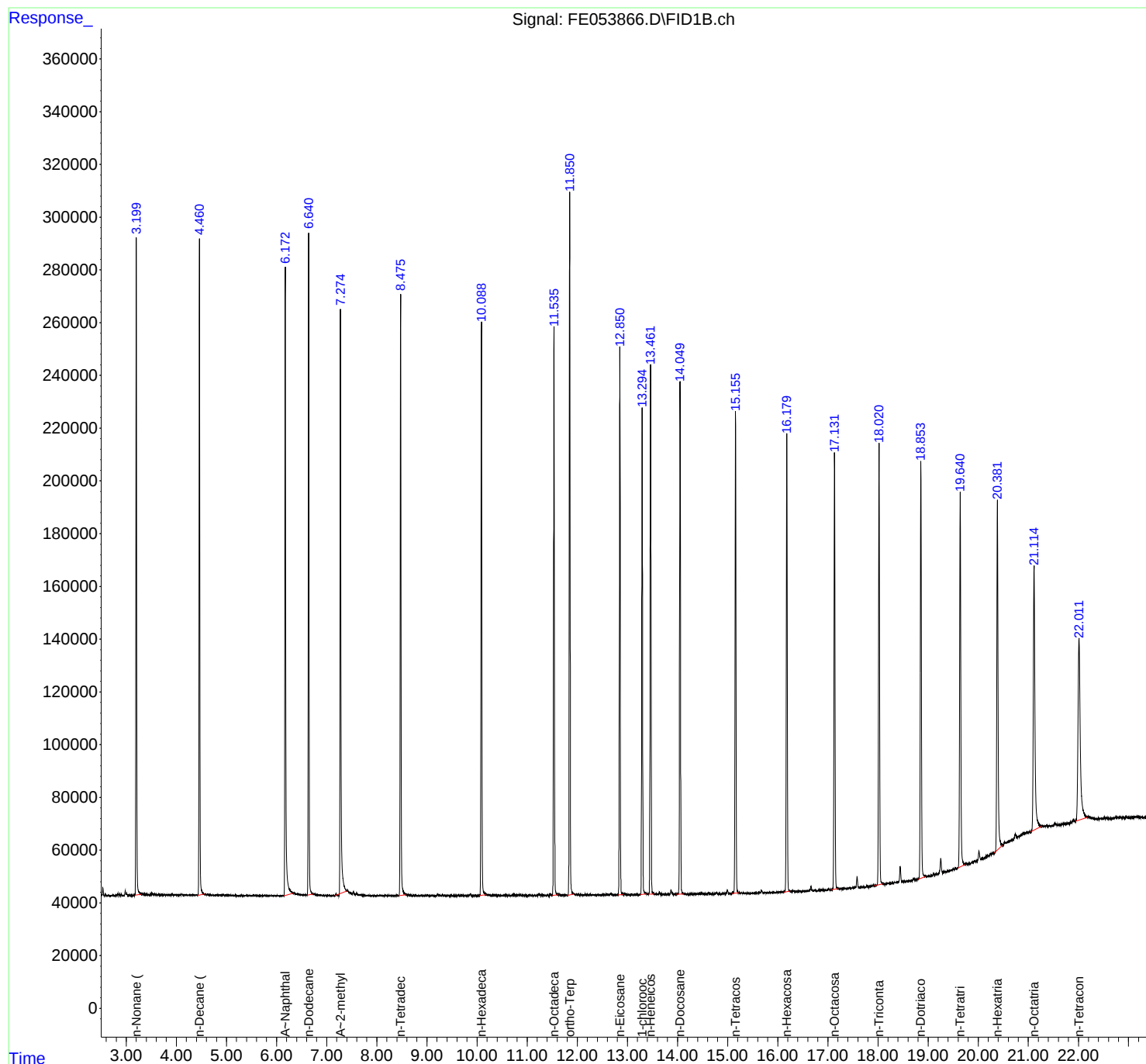
Instrument :
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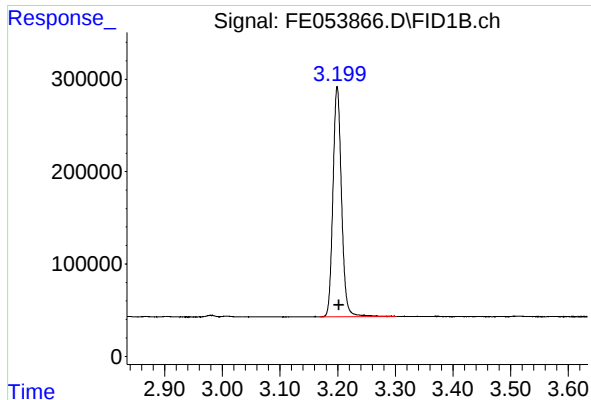
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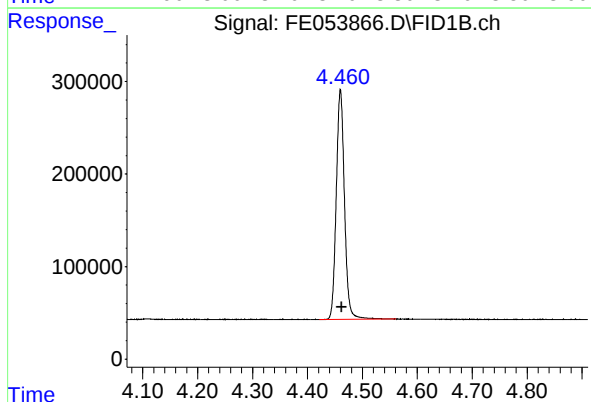
#1 n-Nonane (C9)

R.T.: 3.199 min
Delta R.T.: -0.003 min
Response: 2576228
Conc: 19.06 ug/ml

Instrument :
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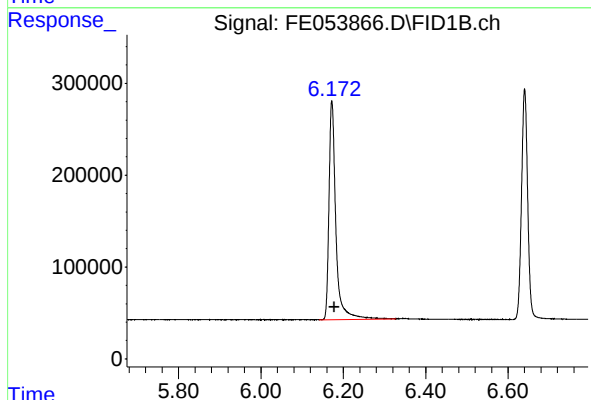
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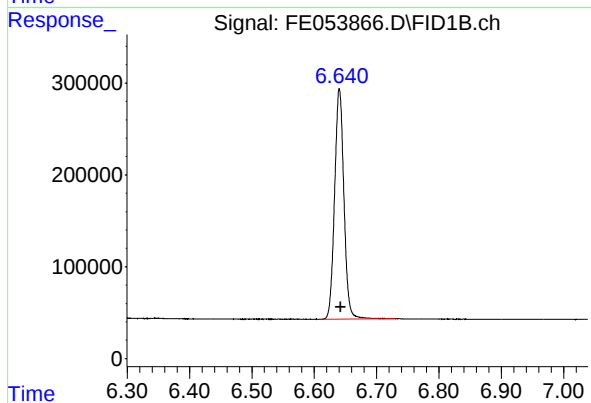
#2 n-Decane (C10)

R.T.: 4.460 min
Delta R.T.: -0.002 min
Response: 2583055
Conc: 19.12 ug/ml



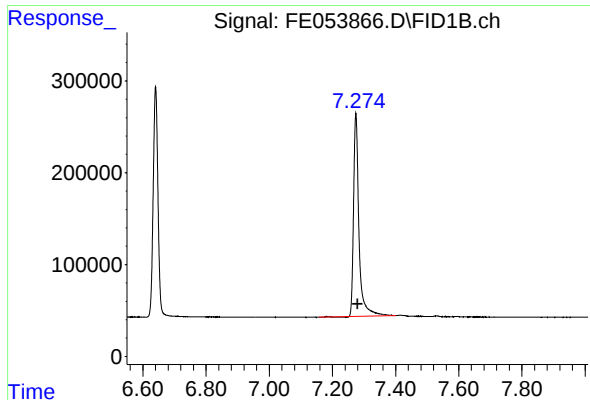
#3 A~Naphthalene (C11.7)

R.T.: 6.172 min
Delta R.T.: -0.006 min
Response: 2769233
Conc: 19.27 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.640 min
Delta R.T.: -0.002 min
Response: 2607142
Conc: 19.11 ug/ml



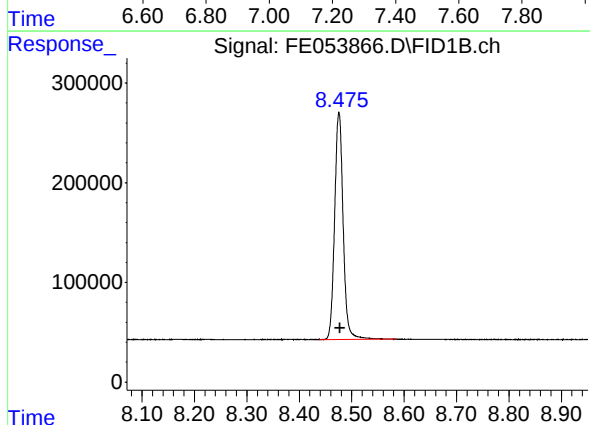
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.274 min
Delta R.T.: -0.006 min
Response: 2622179
Conc: 18.90 ug/ml

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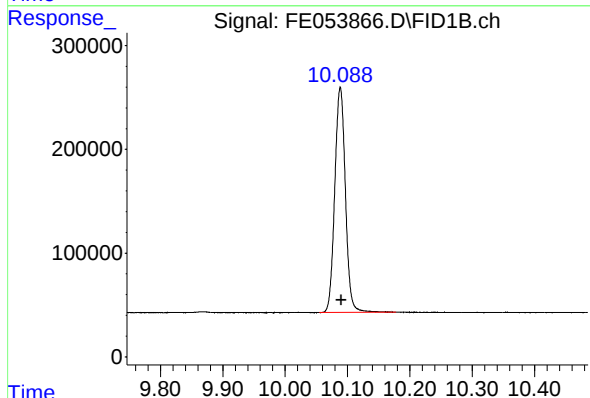
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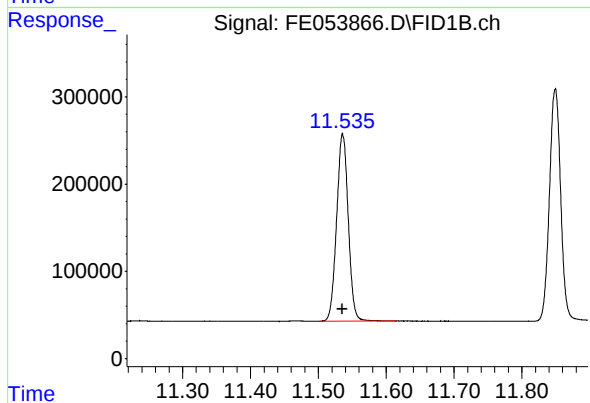
#6 n-Tetradecane (C14)

R.T.: 8.476 min
Delta R.T.: -0.002 min
Response: 2577441
Conc: 19.10 ug/ml



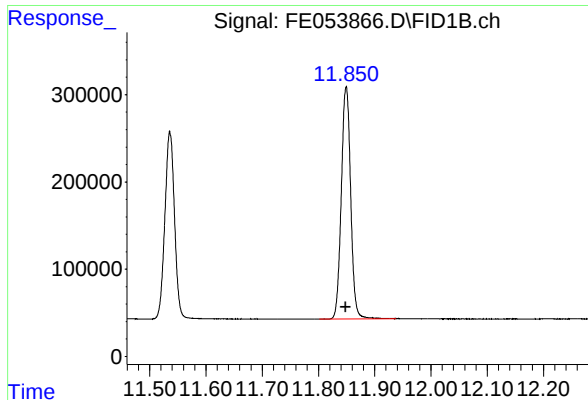
#7 n-Hexadecane (C16)

R.T.: 10.088 min
Delta R.T.: -0.001 min
Response: 2571347
Conc: 19.06 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.536 min
Delta R.T.: 0.000 min
Response: 2557661
Conc: 18.99 ug/ml



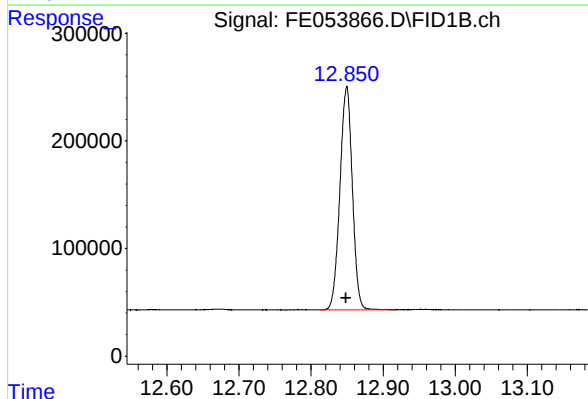
#9 ortho-Terphenyl (SURR)

R.T.: 11.849 min
Delta R.T.: 0.000 min
Response: 3072987
Conc: 18.91 ug/ml

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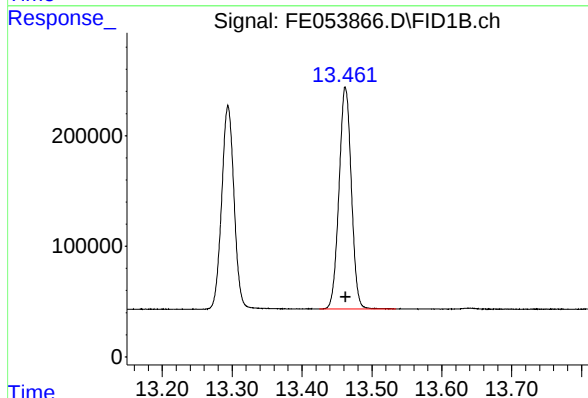
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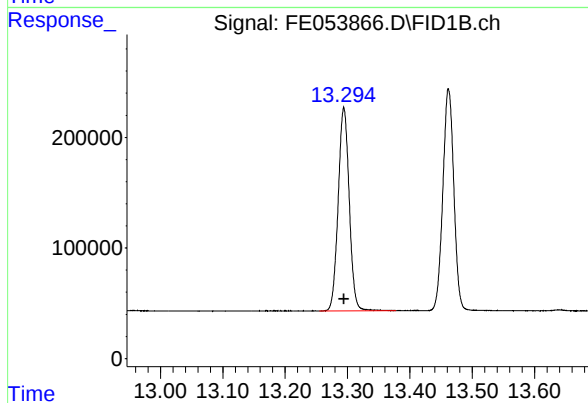
#10 n-Eicosane (C20)

R.T.: 12.849 min
Delta R.T.: 0.000 min
Response: 2489839
Conc: 18.94 ug/ml



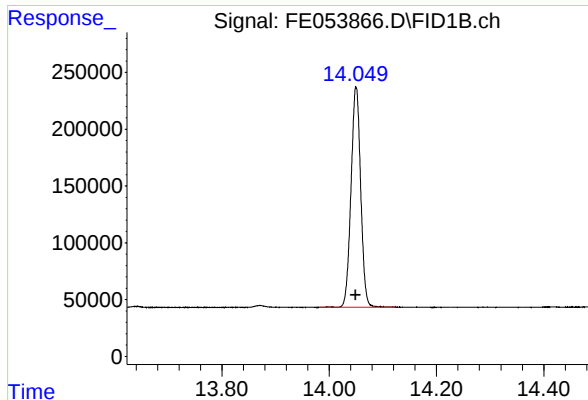
#11 n-Heneicosane (C21)

R.T.: 13.462 min
Delta R.T.: 0.000 min
Response: 2456548
Conc: 18.95 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.294 min
Delta R.T.: 0.000 min
Response: 2264123
Conc: 19.10 ug/ml



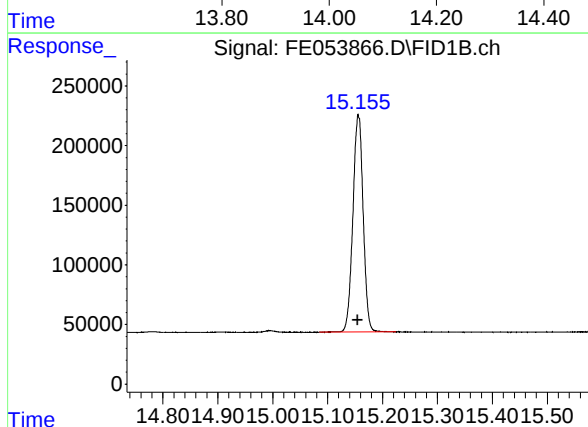
#13 n-Docosane (C22)

R.T.: 14.050 min
Delta R.T.: 0.000 min
Response: 2425766
Conc: 19.01 ug/ml

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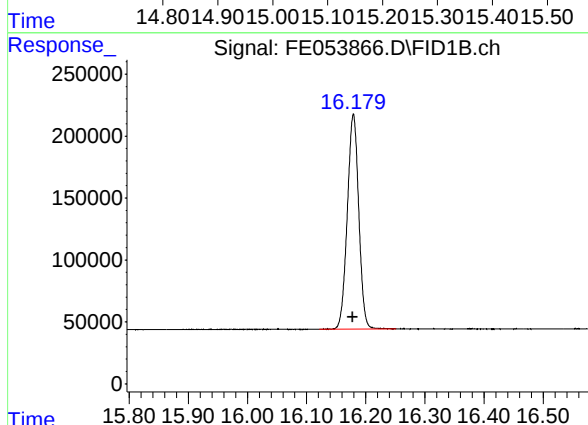
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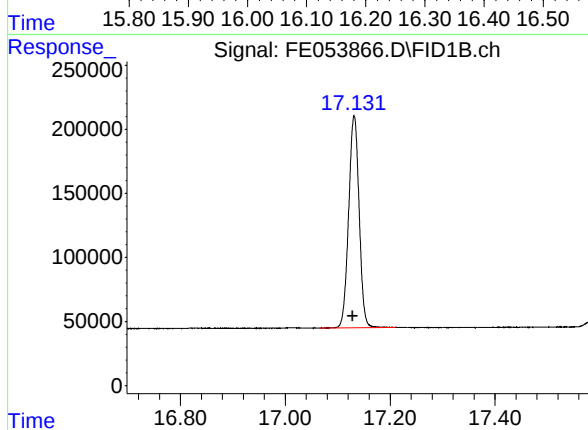
#14 n-Tetracosane (C24)

R.T.: 15.156 min
Delta R.T.: 0.001 min
Response: 2377627
Conc: 19.00 ug/ml



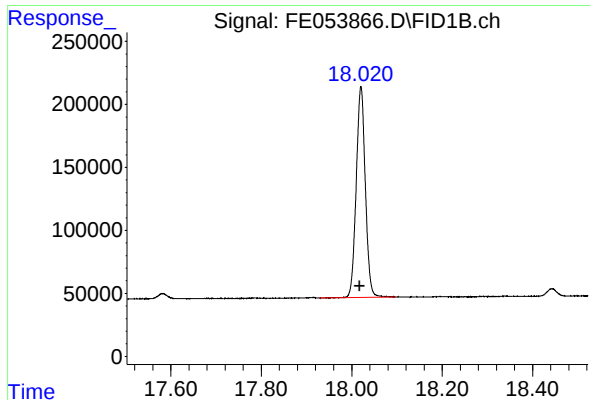
#15 n-Hexacosane (C26)

R.T.: 16.179 min
Delta R.T.: 0.001 min
Response: 2329218
Conc: 19.02 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.131 min
Delta R.T.: 0.003 min
Response: 2297343
Conc: 18.90 ug/ml



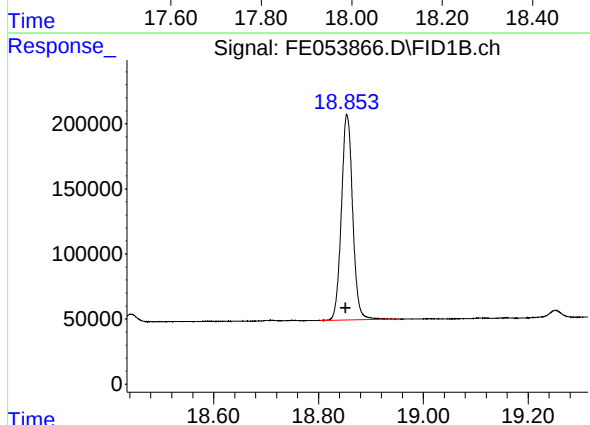
#17 n-Tricontane (C30)

R.T.: 18.020 min
Delta R.T.: 0.002 min
Response: 2333275
Conc: 18.73 ug/ml

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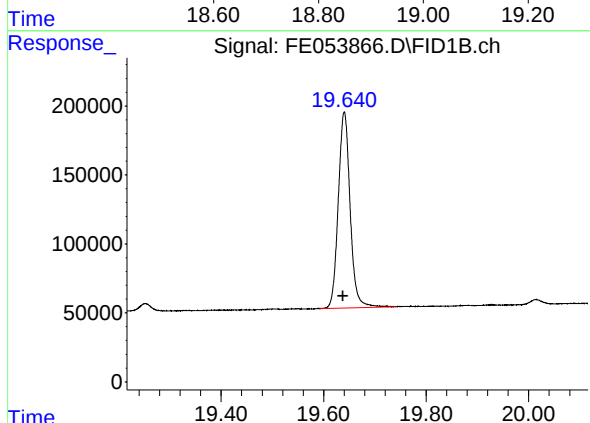
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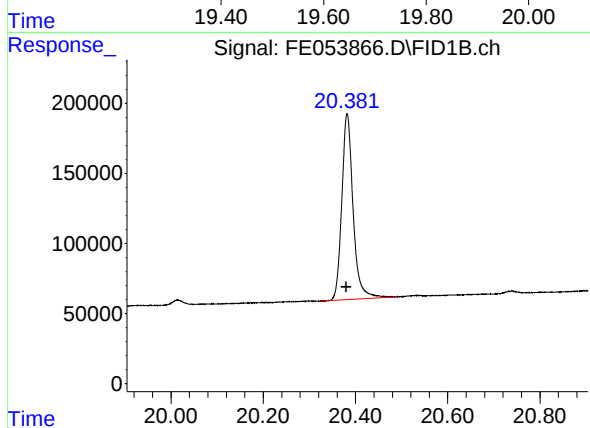
#18 n-Dotriacontane (C32)

R.T.: 18.855 min
Delta R.T.: 0.003 min
Response: 2357186
Conc: 18.85 ug/ml



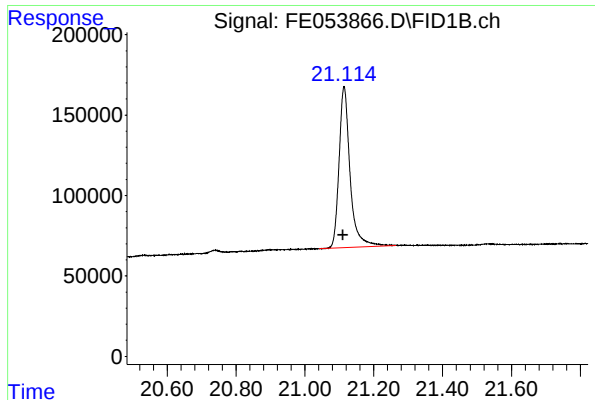
#19 n-Tetatriacontane (C34)

R.T.: 19.640 min
Delta R.T.: 0.003 min
Response: 2280460
Conc: 19.14 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.382 min
Delta R.T.: 0.002 min
Response: 2253986
Conc: 19.47 ug/ml



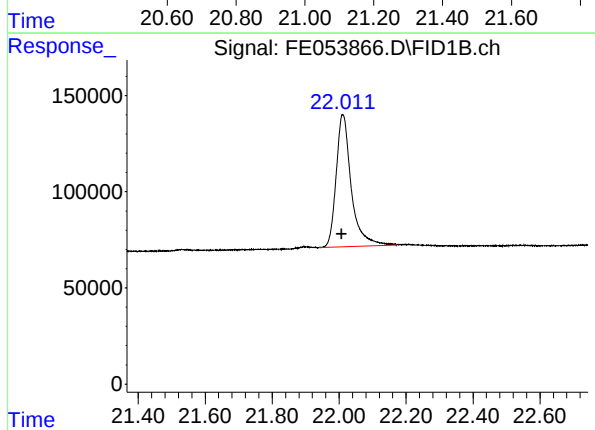
#21 n-Octatriacontane (C38)

R.T.: 21.114 min
Delta R.T.: 0.003 min
Response: 2215312
Conc: 20.36 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.011 min
Delta R.T.: 0.004 min
Response: 2153853
Conc: 21.71 ug/ml m