

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE071725AL\
 Data File : FE054917.D
 Signal(s) : FID1B.ch
 Acq On : 17 Jul 2025 23:27
 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 07/18/2025
 Supervised By :mohammad ahmed 07/21/2025

Integration File: autoint1.e
 Quant Time: Jul 18 01:11:58 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 08 07:45:12 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)	12.089	3225405	19.862 ug/ml
Spiked Amount 50.000		Recovery =	39.72%
12) S 1-chlorooctadecane (S...	13.525	2463685	19.508 ug/ml
Spiked Amount 50.000		Recovery =	39.02%
Target Compounds			
1) T n-Nonane (C9)	3.426	2483182	18.461 ug/ml
2) T n-Decane (C10)	4.684	2682667	19.661 ug/ml
3) T A~Naphthalene (C11.7)	6.404	3049352	20.139 ug/ml
4) T n-Dodecane (C12)	6.860	2792441	20.352 ug/ml
5) T A~2-methylnaphthalene...	7.505	3016297	20.518 ug/ml
6) T n-Tetradecane (C14)	8.697	2872591	20.722 ug/ml
7) T n-Hexadecane (C16)	10.312	2968546	20.830 ug/ml
8) T n-Octadecane (C18)	11.763	2983438	20.357 ug/ml
10) T n-Eicosane (C20)	13.077	2842193	19.766 ug/ml
11) T n-Heneicosane (C21)	13.691	2778446	19.452 ug/ml
13) T n-Docosane (C22)	14.279	2767747	19.384 ug/ml
14) T n-Tetracosane (C24)	15.386	2791434	19.203 ug/ml
15) T n-Hexacosane (C26)	16.409	2801189	19.357 ug/ml
16) T n-Octacosane (C28)	17.361	2803058	19.234 ug/ml
17) T n-Tricontane (C30)	18.251	3048439	19.345 ug/ml
18) T n-Dotriacontane (C32)	19.085	3155675	19.505 ug/ml
19) T n-Tetratriacontane (C34)	19.871	2922117	19.175 ug/ml
20) T n-Hexatriacontane (C36)	20.612	2674755	19.893 ug/ml
21) T n-Octatriacontane (C38)	21.394	2553785	21.774 ug/mlm
22) T n-Tetracontane (C40)	22.390	2367755	21.846 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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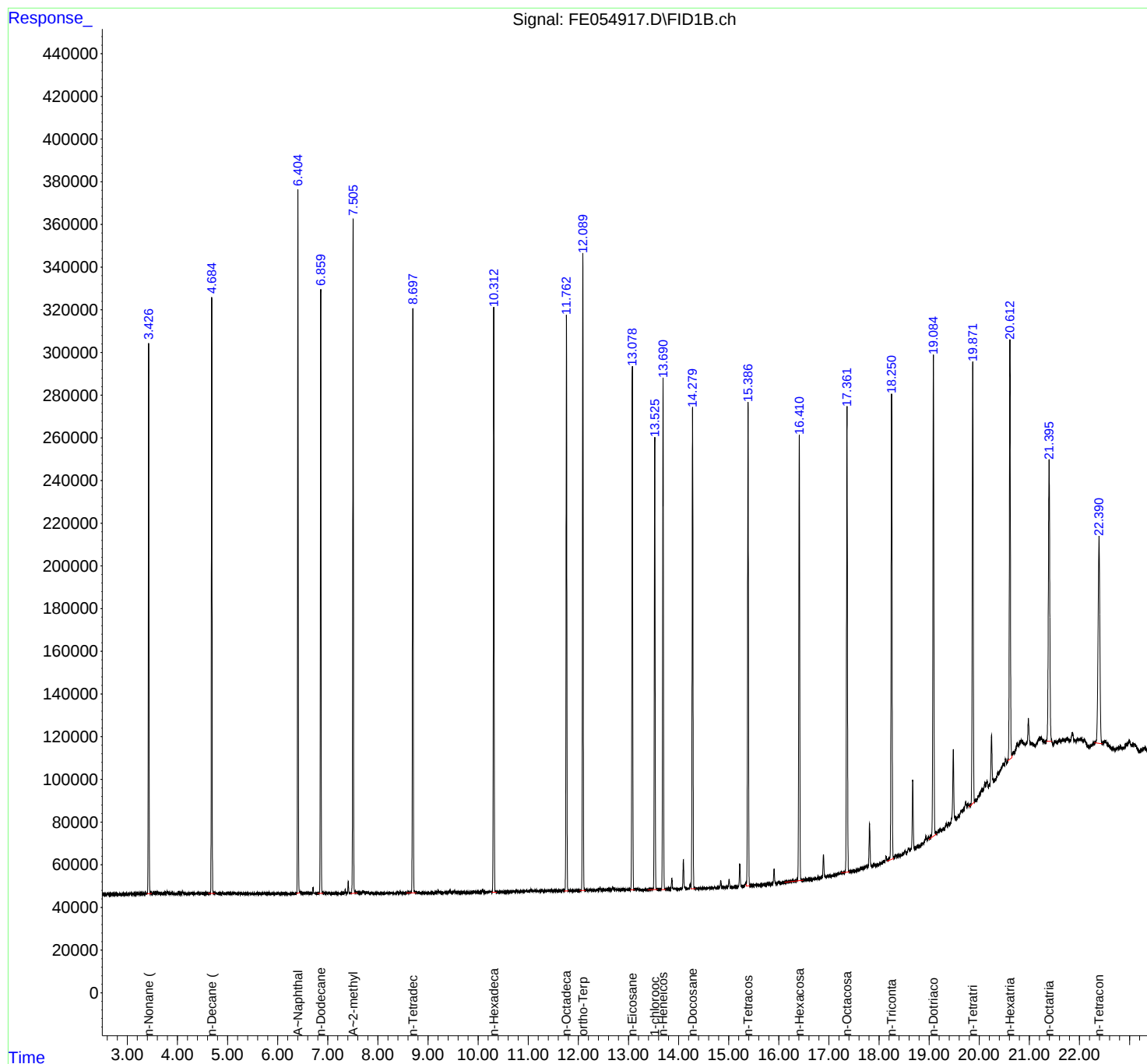
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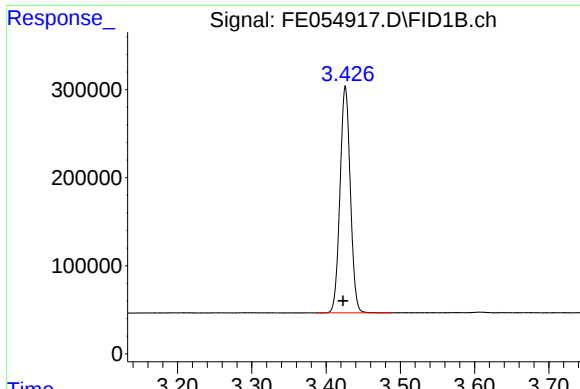
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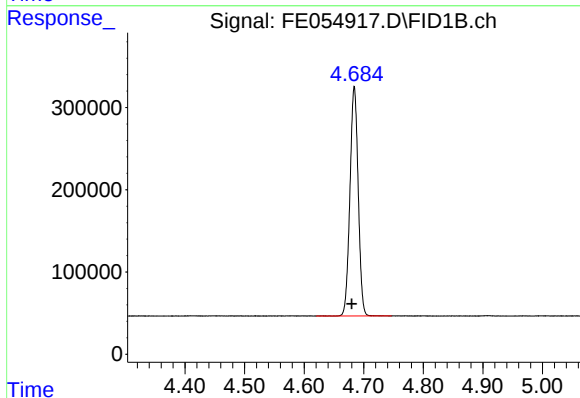
#1 n-Nonane (C9)

R.T.: 3.426 min
Delta R.T.: 0.003 min
Response: 2483182
Conc: 18.46 ug/ml

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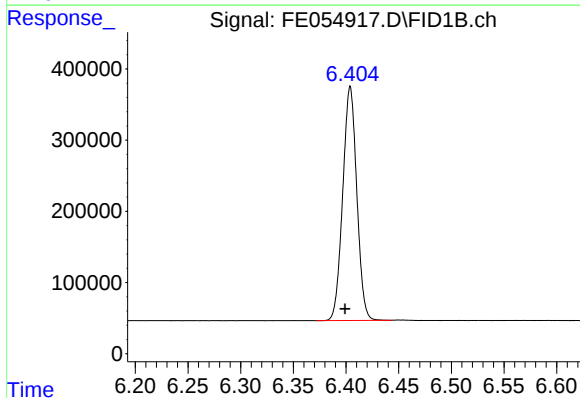
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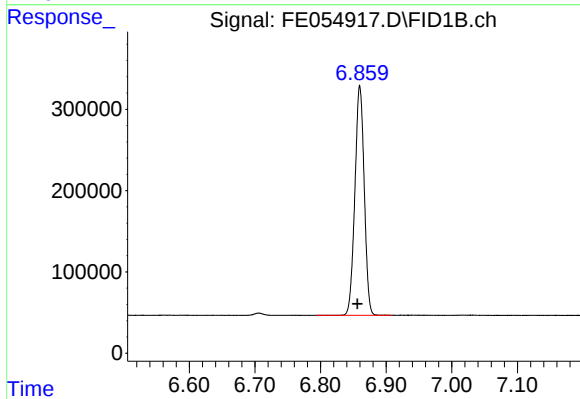
#2 n-Decane (C10)

R.T.: 4.684 min
Delta R.T.: 0.004 min
Response: 2682667
Conc: 19.66 ug/ml



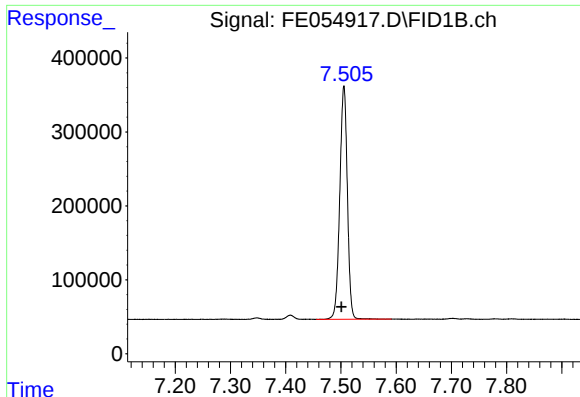
#3 A~Naphthalene (C11.7)

R.T.: 6.404 min
Delta R.T.: 0.005 min
Response: 3049352
Conc: 20.14 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.860 min
Delta R.T.: 0.004 min
Response: 2792441
Conc: 20.35 ug/ml



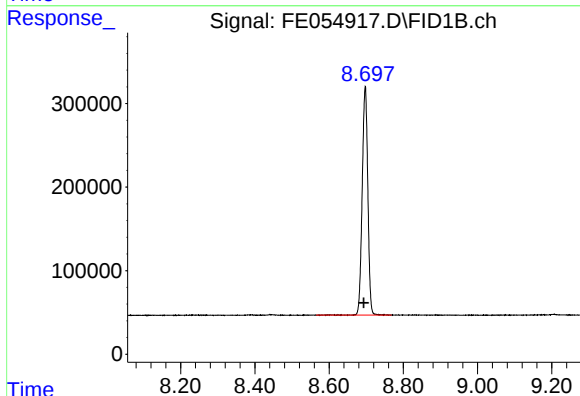
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.505 min
Delta R.T.: 0.005 min
Response: 3016297
Conc: 20.52 ug/ml

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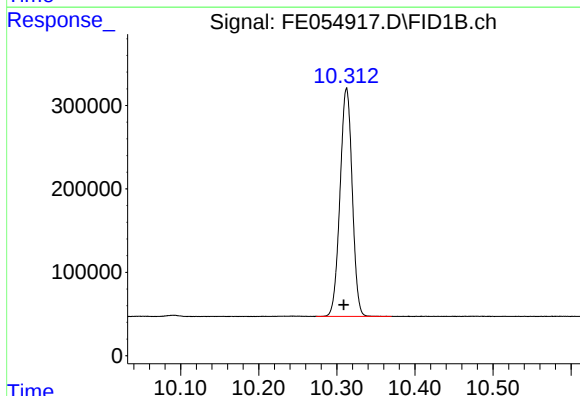
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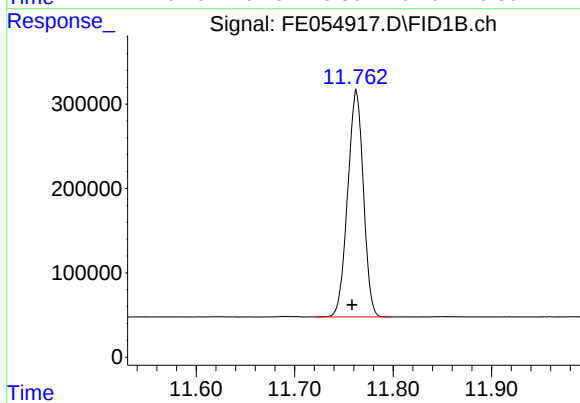
#6 n-Tetradecane (C14)

R.T.: 8.697 min
Delta R.T.: 0.004 min
Response: 2872591
Conc: 20.72 ug/ml



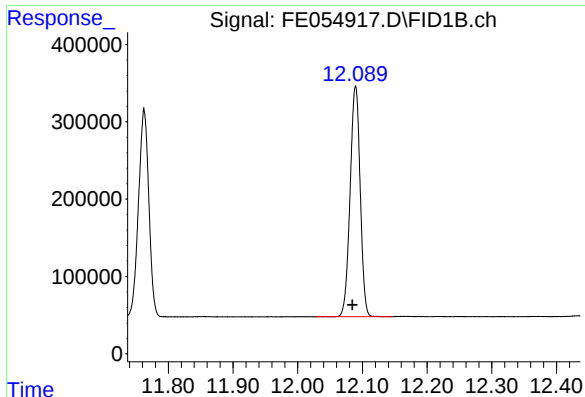
#7 n-Hexadecane (C16)

R.T.: 10.312 min
Delta R.T.: 0.004 min
Response: 2968546
Conc: 20.83 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.763 min
Delta R.T.: 0.004 min
Response: 2983438
Conc: 20.36 ug/ml



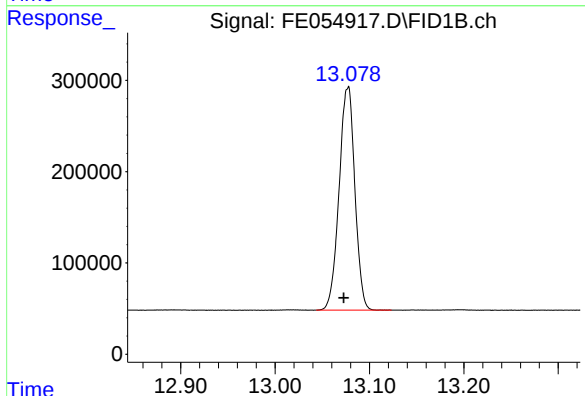
#9 ortho-Terphenyl (SURR)

R.T.: 12.089 min
Delta R.T.: 0.005 min
Response: 3225405
Conc: 19.86 ug/ml

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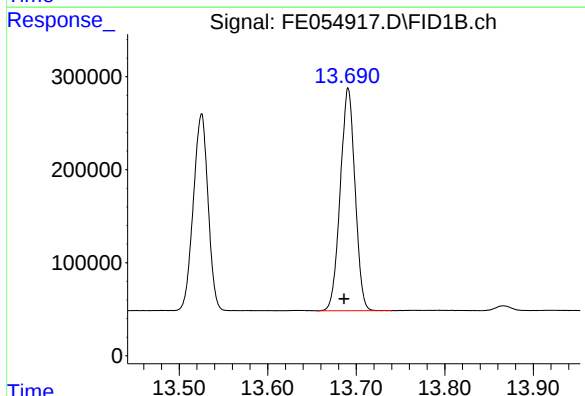
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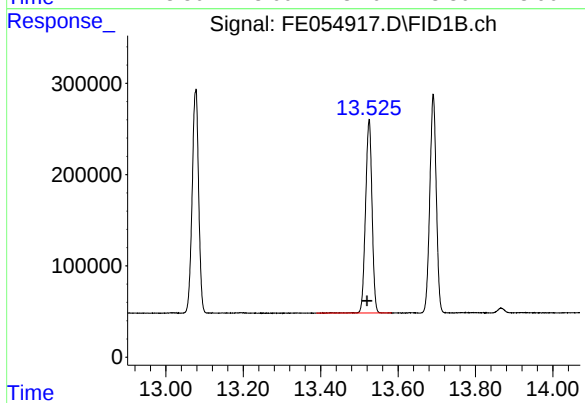
#10 n-Eicosane (C20)

R.T.: 13.077 min
Delta R.T.: 0.004 min
Response: 2842193
Conc: 19.77 ug/ml



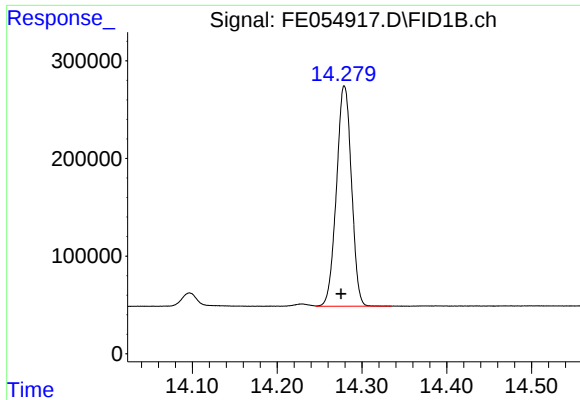
#11 n-Heneicosane (C21)

R.T.: 13.691 min
Delta R.T.: 0.005 min
Response: 2778446
Conc: 19.45 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.525 min
Delta R.T.: 0.005 min
Response: 2463685
Conc: 19.51 ug/ml



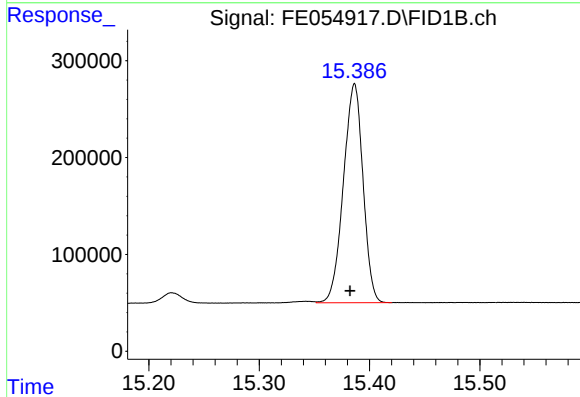
#13 n-Docosane (C22)

R.T.: 14.279 min
Delta R.T.: 0.004 min
Response: 2767747
Conc: 19.38 ug/ml

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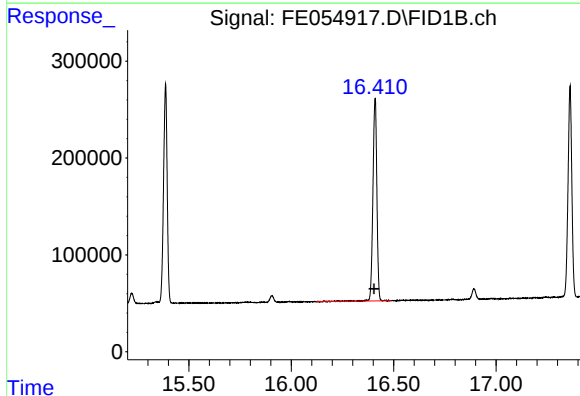
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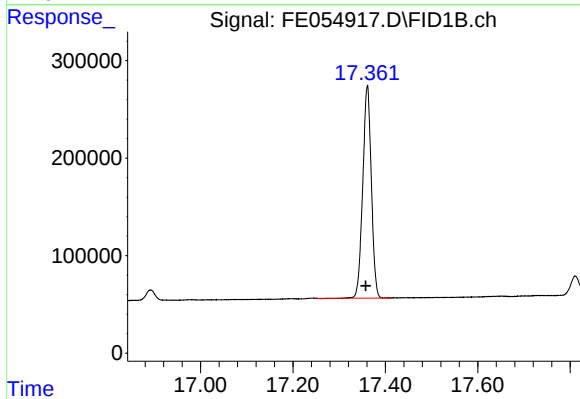
#14 n-Tetracosane (C24)

R.T.: 15.386 min
Delta R.T.: 0.004 min
Response: 2791434
Conc: 19.20 ug/ml



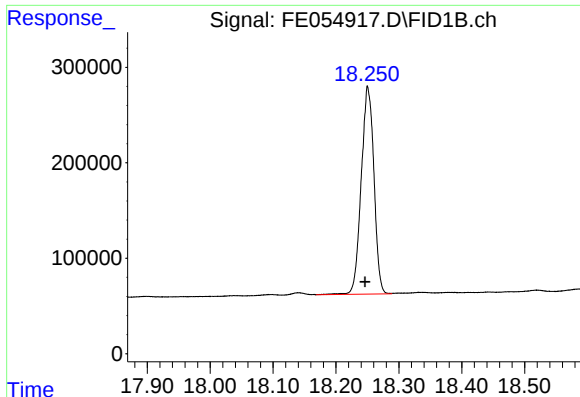
#15 n-Hexacosane (C26)

R.T.: 16.409 min
Delta R.T.: 0.004 min
Response: 2801189
Conc: 19.36 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.361 min
Delta R.T.: 0.003 min
Response: 2803058
Conc: 19.23 ug/ml



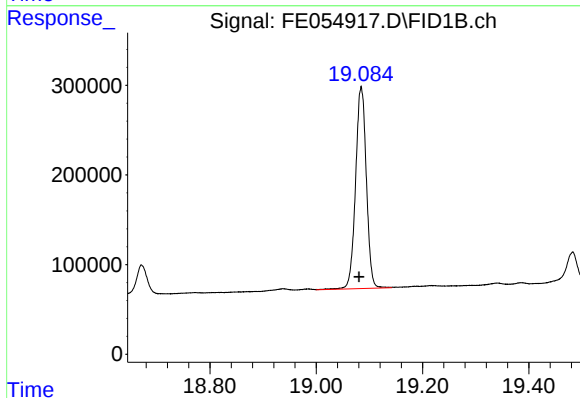
#17 n-Tricontane (C30)

R.T.: 18.251 min
Delta R.T.: 0.005 min
Response: 3048439
Conc: 19.34 ug/ml

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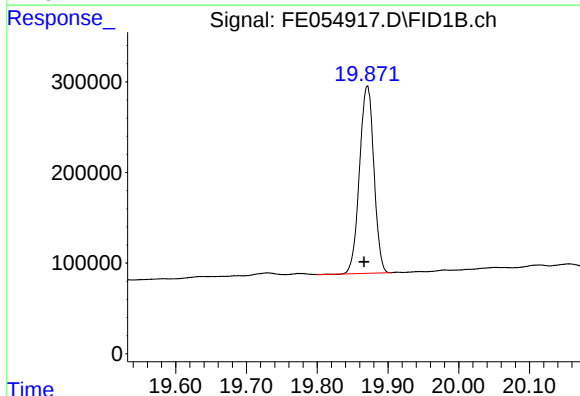
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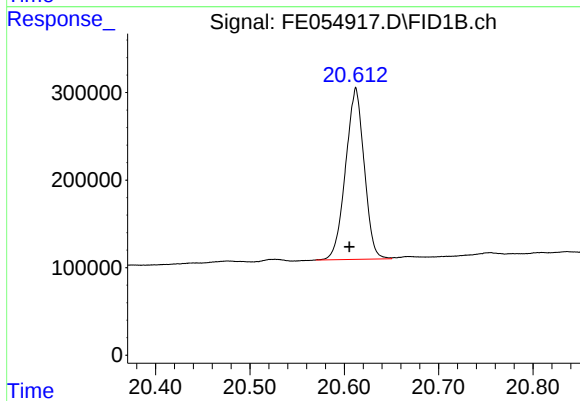
#18 n-Dotriacontane (C32)

R.T.: 19.085 min
Delta R.T.: 0.004 min
Response: 3155675
Conc: 19.51 ug/ml



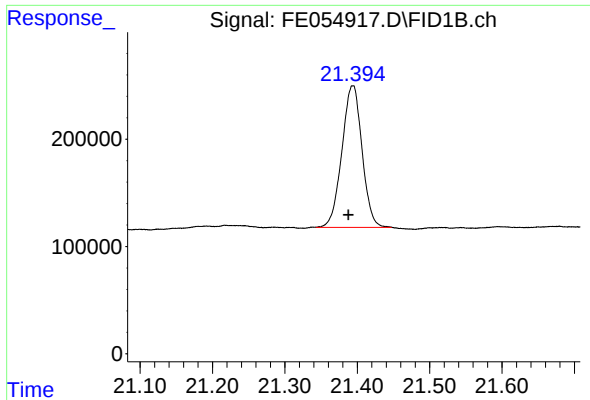
#19 n-Tetratriacontane (C34)

R.T.: 19.871 min
Delta R.T.: 0.004 min
Response: 2922117
Conc: 19.18 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.612 min
Delta R.T.: 0.007 min
Response: 2674755
Conc: 19.89 ug/ml



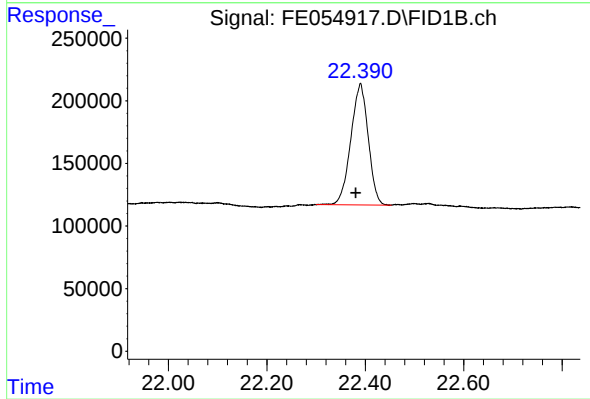
#21 n-Octatriacontane (C38)

R.T.: 21.394 min
Delta R.T.: 0.007 min
Response: 2553785
Conc: 21.77 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.390 min
Delta R.T.: 0.009 min
Response: 2367755
Conc: 21.85 ug/ml