

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE071725AL\
 Data File : FE054907.D
 Signal(s) : FID1B.ch
 Acq On : 17 Jul 2025 17:22
 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 01:09:35 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	3160869	19.464 ug/ml
Spiked Amount 50.000		Recovery =	38.93%
12) S 1-chlorooctadecane (S...	13.524	2399036	18.996 ug/ml
Spiked Amount 50.000		Recovery =	37.99%
Target Compounds			
1) T n-Nonane (C9)	3.426	2444688	18.175 ug/ml
2) T n-Decane (C10)	4.684	2641716	19.360 ug/ml
3) T A~Naphthalene (C11.7)	6.404	2995641	19.785 ug/ml
4) T n-Dodecane (C12)	6.860	2756018	20.087 ug/ml
5) T A~2-methylnaphthalene...	7.505	2974048	20.231 ug/ml
6) T n-Tetradecane (C14)	8.697	2830898	20.421 ug/ml
7) T n-Hexadecane (C16)	10.312	2905029	20.385 ug/ml
8) T n-Octadecane (C18)	11.762	2924892	19.958 ug/ml
10) T n-Eicosane (C20)	13.077	2788010	19.389 ug/ml
11) T n-Heneicosane (C21)	13.691	2720241	19.045 ug/ml
13) T n-Docosane (C22)	14.279	2708817	18.971 ug/ml
14) T n-Tetracosane (C24)	15.386	2722724	18.730 ug/ml
15) T n-Hexacosane (C26)	16.409	2705711	18.697 ug/ml
16) T n-Octacosane (C28)	17.361	2734057	18.760 ug/ml
17) T n-Tricontane (C30)	18.252	2939558	18.654 ug/ml
18) T n-Dotriacontane (C32)	19.085	2971587	18.367 ug/ml
19) T n-Tetratriacontane (C34)	19.870	2743293	18.002 ug/ml
20) T n-Hexatriacontane (C36)	20.612	2510004	18.668 ug/ml
21) T n-Octatriacontane (C38)	21.393	2380557	20.297 ug/mlm
22) T n-Tetracontane (C40)	22.387	2267464	20.921 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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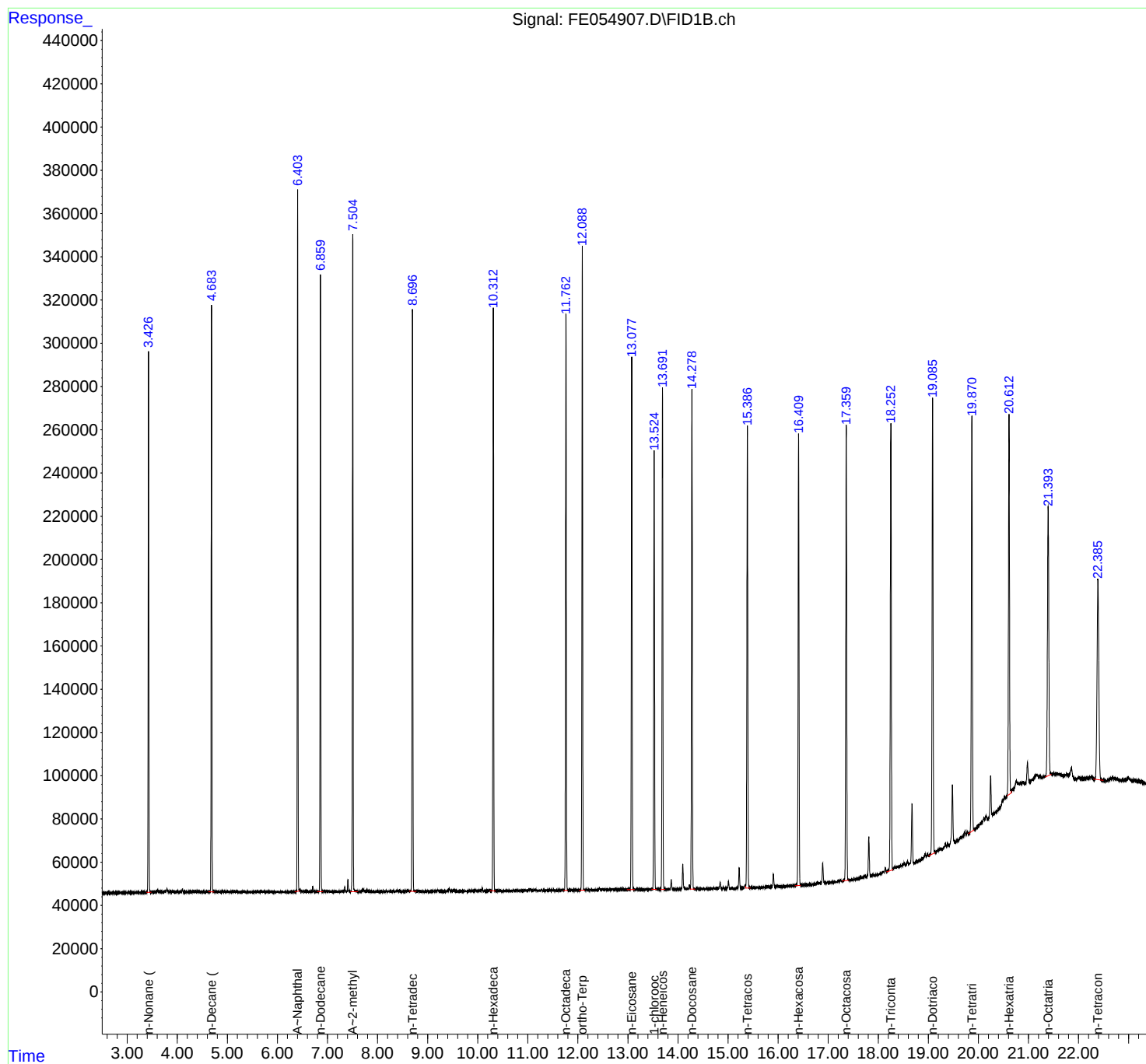
Instrument :
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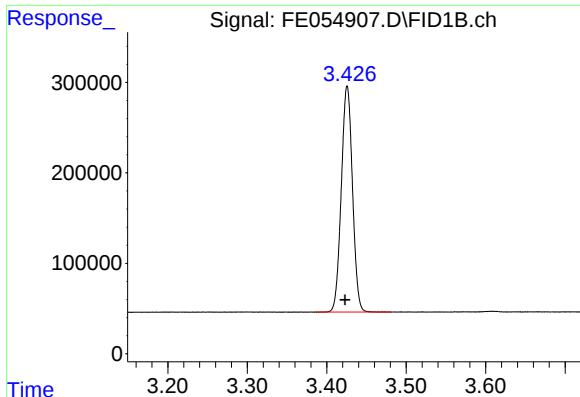
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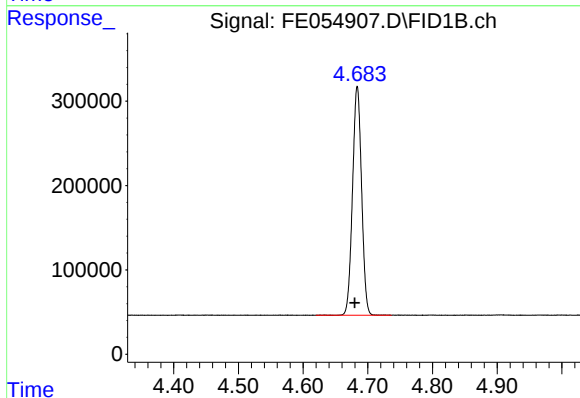
#1 n-Nonane (C9)

R.T.: 3.426 min
Delta R.T.: 0.003 min
Response: 2444688
Conc: 18.17 ug/ml

Instrument :
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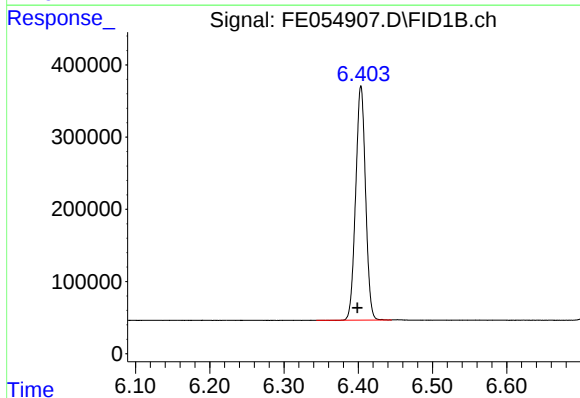
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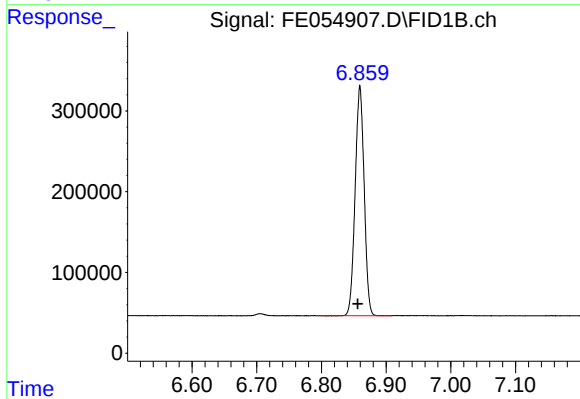
#2 n-Decane (C10)

R.T.: 4.684 min
Delta R.T.: 0.004 min
Response: 2641716
Conc: 19.36 ug/ml



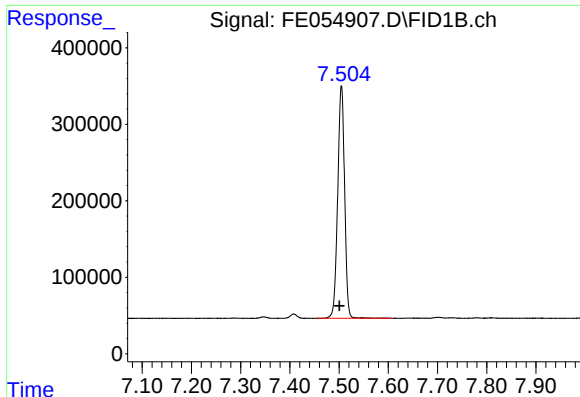
#3 A~Naphthalene (C11.7)

R.T.: 6.404 min
Delta R.T.: 0.005 min
Response: 2995641
Conc: 19.78 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.860 min
Delta R.T.: 0.003 min
Response: 2756018
Conc: 20.09 ug/ml



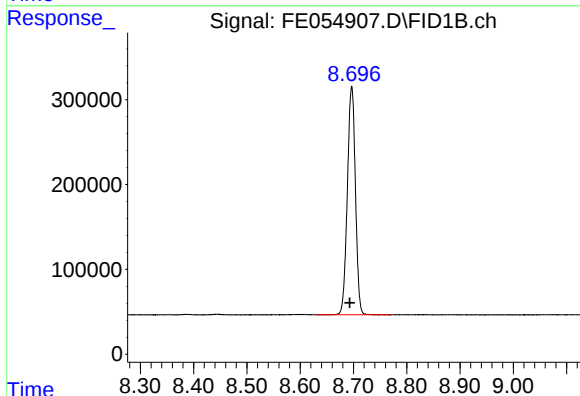
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.505 min
Delta R.T.: 0.004 min
Response: 2974048
Conc: 20.23 ug/ml

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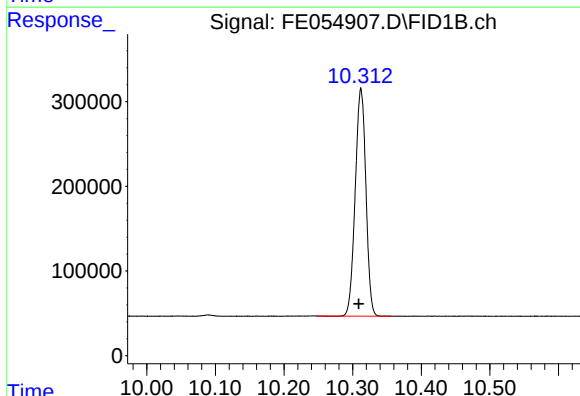
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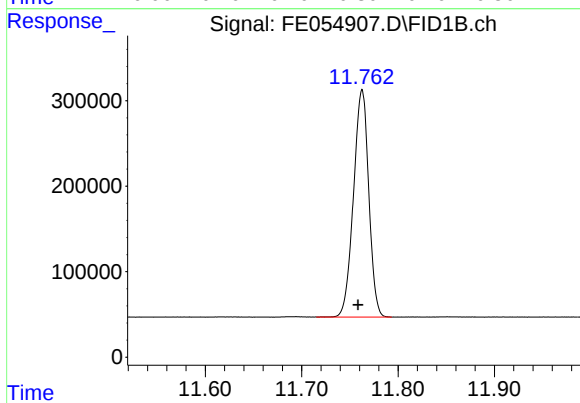
#6 n-Tetradecane (C14)

R.T.: 8.697 min
Delta R.T.: 0.003 min
Response: 2830898
Conc: 20.42 ug/ml



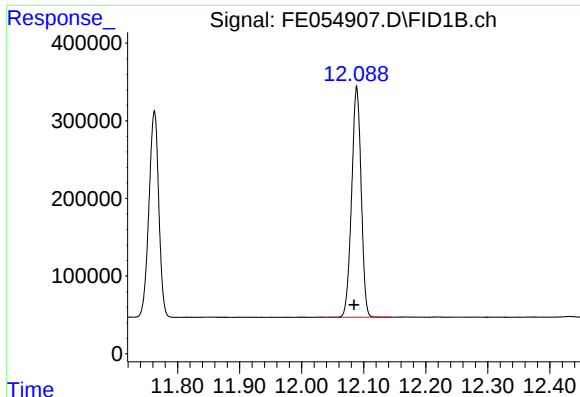
#7 n-Hexadecane (C16)

R.T.: 10.312 min
Delta R.T.: 0.003 min
Response: 2905029
Conc: 20.38 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.762 min
Delta R.T.: 0.004 min
Response: 2924892
Conc: 19.96 ug/ml



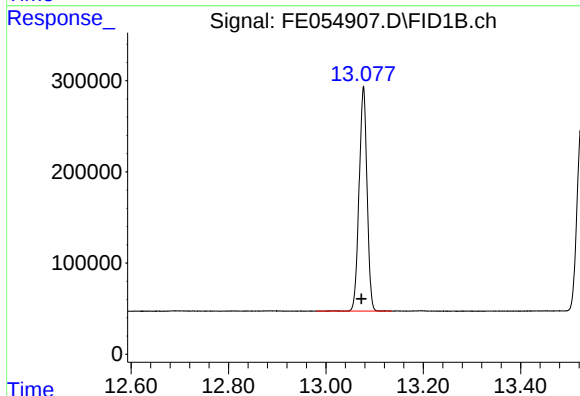
#9 ortho-Terphenyl (SURR)

R.T.: 12.089 min
Delta R.T.: 0.004 min
Response: 3160869
Conc: 19.46 ug/ml

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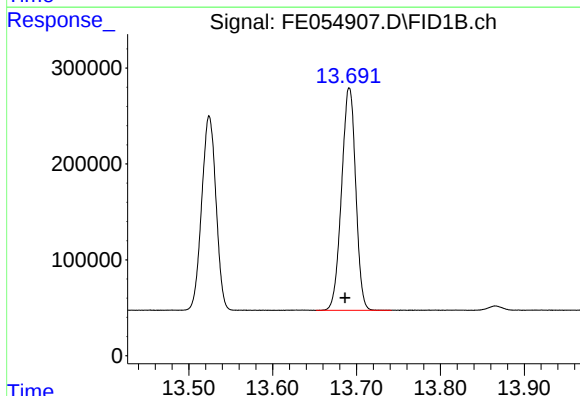
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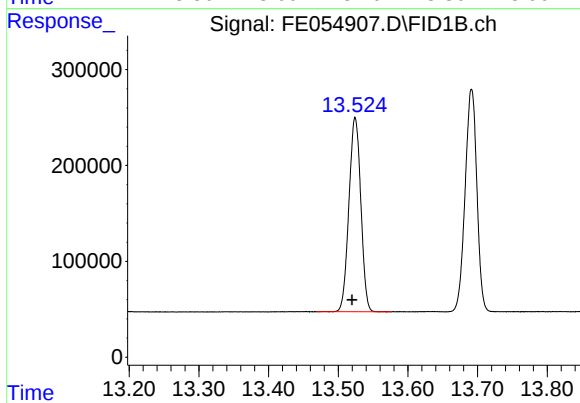
#10 n-Eicosane (C20)

R.T.: 13.077 min
Delta R.T.: 0.004 min
Response: 2788010
Conc: 19.39 ug/ml



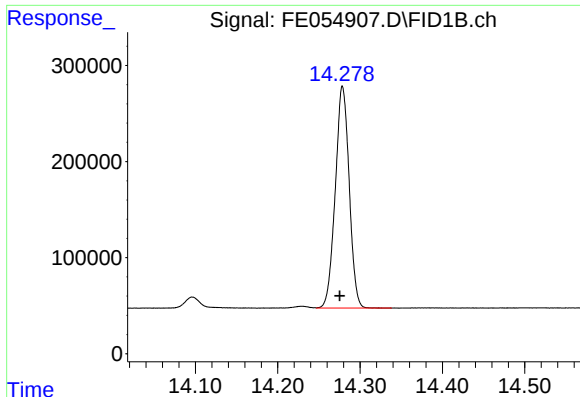
#11 n-Heneicosane (C21)

R.T.: 13.691 min
Delta R.T.: 0.005 min
Response: 2720241
Conc: 19.04 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.524 min
Delta R.T.: 0.004 min
Response: 2399036
Conc: 19.00 ug/ml



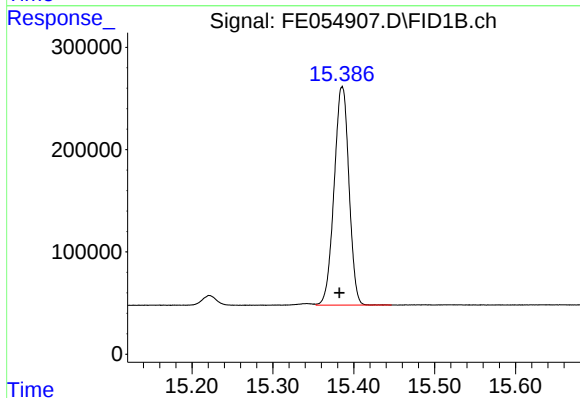
#13 n-Docosane (C22)

R.T.: 14.279 min
Delta R.T.: 0.003 min
Response: 2708817
Conc: 18.97 ug/ml

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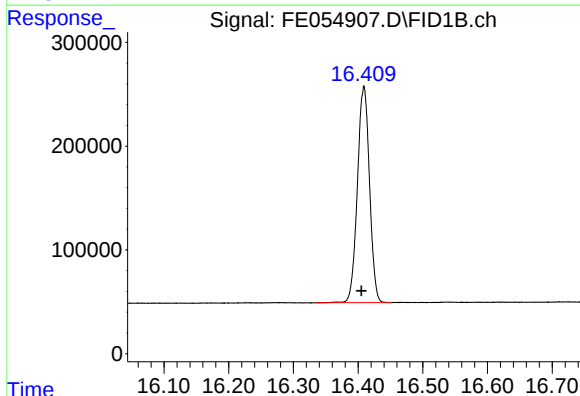
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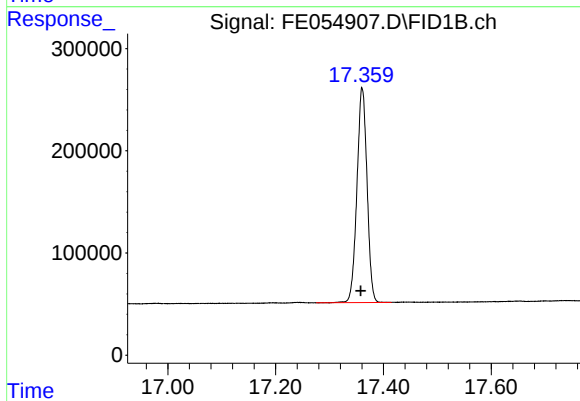
#14 n-Tetracosane (C24)

R.T.: 15.386 min
Delta R.T.: 0.003 min
Response: 2722724
Conc: 18.73 ug/ml



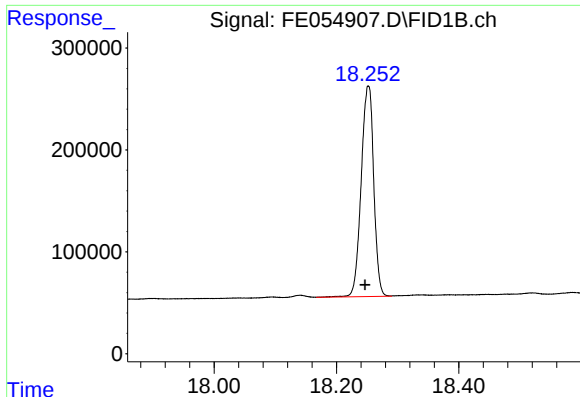
#15 n-Hexacosane (C26)

R.T.: 16.409 min
Delta R.T.: 0.004 min
Response: 2705711
Conc: 18.70 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.361 min
Delta R.T.: 0.003 min
Response: 2734057
Conc: 18.76 ug/ml



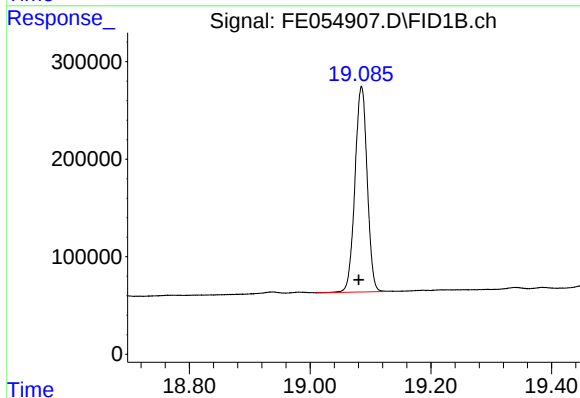
#17 n-Tricontane (C30)

R.T.: 18.252 min
Delta R.T.: 0.005 min
Response: 2939558
Conc: 18.65 ug/ml

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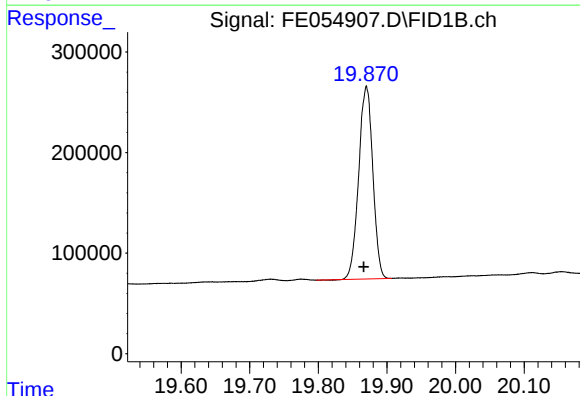
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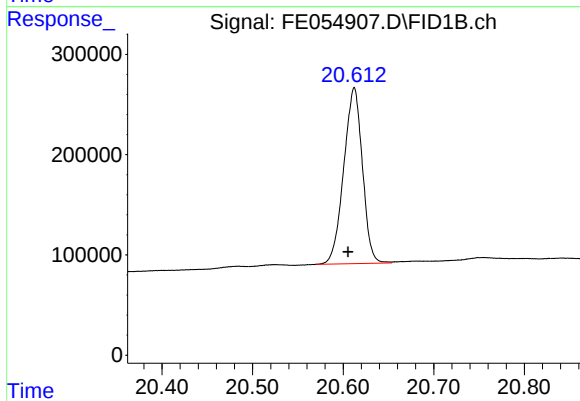
#18 n-Dotriacontane (C32)

R.T.: 19.085 min
Delta R.T.: 0.004 min
Response: 2971587
Conc: 18.37 ug/ml



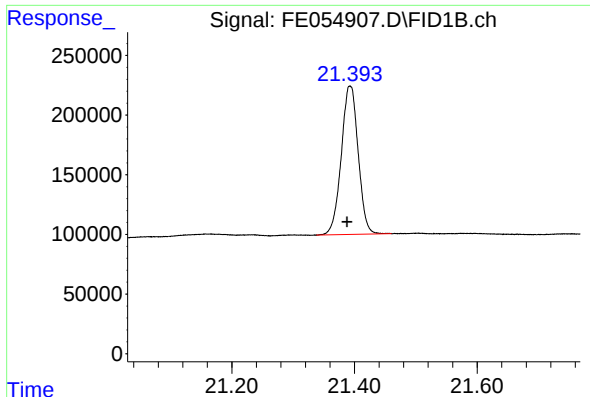
#19 n-Tetratriacontane (C34)

R.T.: 19.870 min
Delta R.T.: 0.004 min
Response: 2743293
Conc: 18.00 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.612 min
Delta R.T.: 0.007 min
Response: 2510004
Conc: 18.67 ug/ml



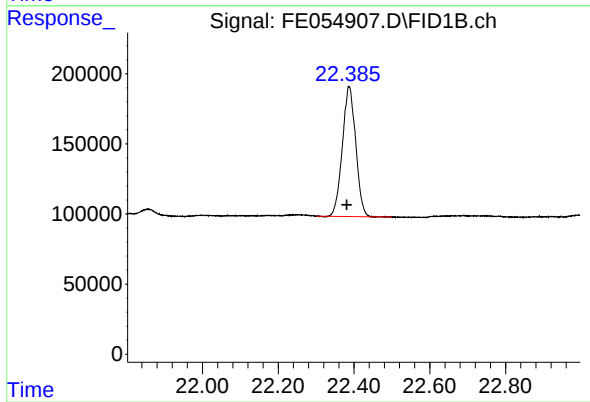
#21 n-Octatriacontane (C38)

R.T.: 21.393 min
Delta R.T.: 0.005 min
Response: 2380557
Conc: 20.30 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.387 min
Delta R.T.: 0.006 min
Response: 2267464
Conc: 20.92 ug/ml