

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100625AL\
 Data File : FE056193.D
 Signal(s) : FID1B.ch
 Acq On : 06 Oct 2025 09:23
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/07/2025
 Supervised By :mohammad ahmed 10/08/2025

Integration File: autoint1.e
 Quant Time: Oct 07 01:23:17 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 24 12:55:37 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)	12.072	4158751	22.162 ug/ml
Spiked Amount 50.000		Recovery =	44.32%
12) S 1-chlorooctadecane (S...	13.508	3058856	21.917 ug/ml
Spiked Amount 50.000		Recovery =	43.83%
Target Compounds			
1) T n-Nonane (C9)	3.411	2511812	18.335 ug/ml
2) T n-Decane (C10)	4.670	2724963	19.525 ug/ml
3) T A~Naphthalene (C11.7)	6.390	3399586	21.292 ug/ml
4) T n-Dodecane (C12)	6.845	3026349	21.085 ug/ml
5) T A~2-methylnaphthalene...	7.491	3412992	21.946 ug/ml
6) T n-Tetradecane (C14)	8.681	3290659	22.257 ug/ml
7) T n-Hexadecane (C16)	10.296	3643329	22.927 ug/ml
8) T n-Octadecane (C18)	11.745	3849250	22.725 ug/ml
10) T n-Eicosane (C20)	13.059	3702286	22.335 ug/ml
11) T n-Heneicosane (C21)	13.675	3579566	22.029 ug/ml
13) T n-Docosane (C22)	14.262	3476741	21.758 ug/ml
14) T n-Tetracosane (C24)	15.369	3252678	21.346 ug/ml
15) T n-Hexacosane (C26)	16.393	3019630	21.171 ug/ml
16) T n-Octacosane (C28)	17.344	2938781	21.096 ug/ml
17) T n-Tricontane (C30)	18.234	3099338	20.916 ug/ml
18) T n-Dotriacontane (C32)	19.068	3201191	21.456 ug/ml
19) T n-Tetratriacontane (C34)	19.854	3038040	21.478 ug/mlm
20) T n-Hexatriacontane (C36)	20.594	2759095	21.493 ug/mlm
21) T n-Octatriacontane (C38)	21.370	2571930	19.582 ug/mlm
22) T n-Tetracontane (C40)	22.353	2548151	21.419 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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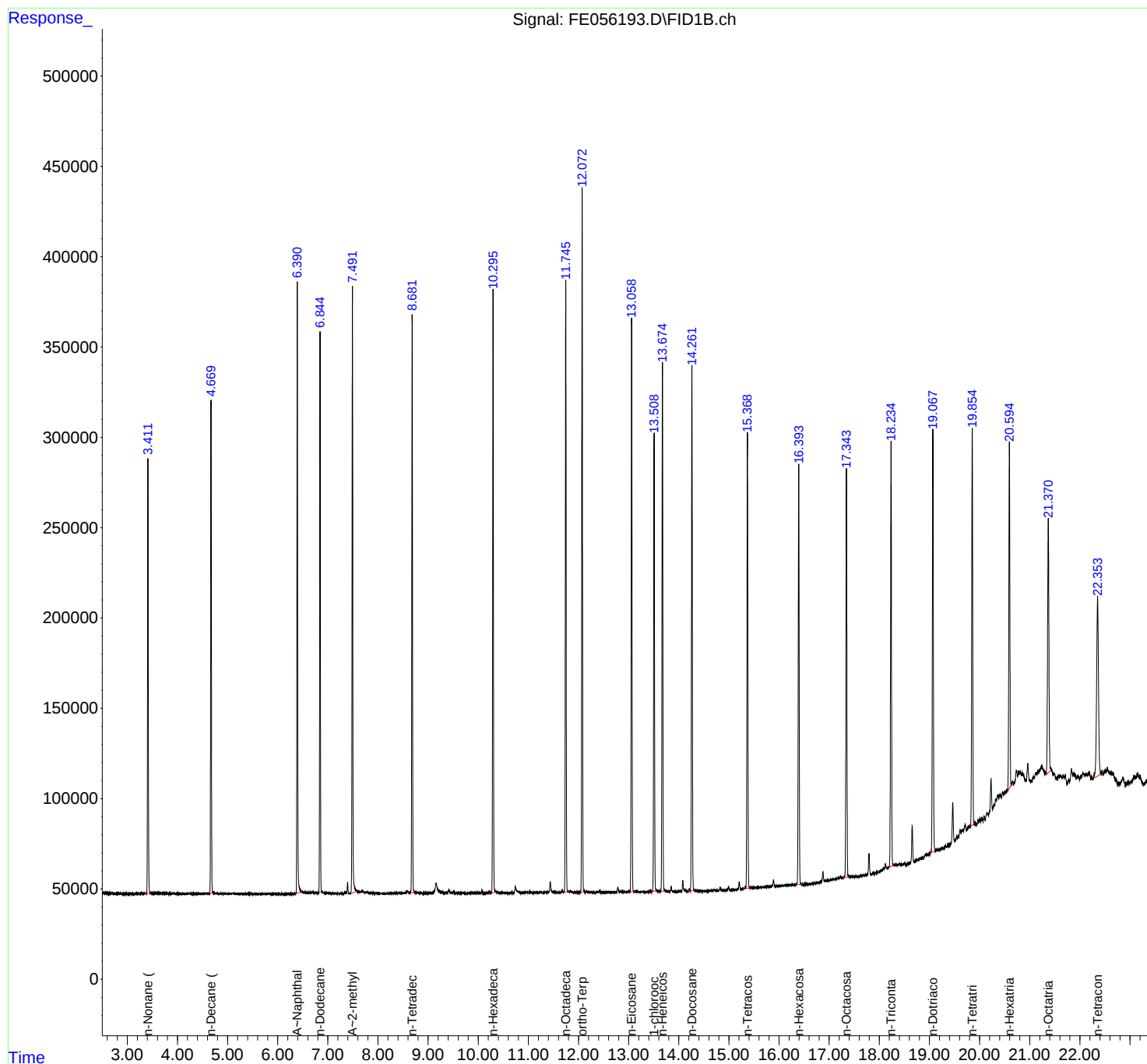
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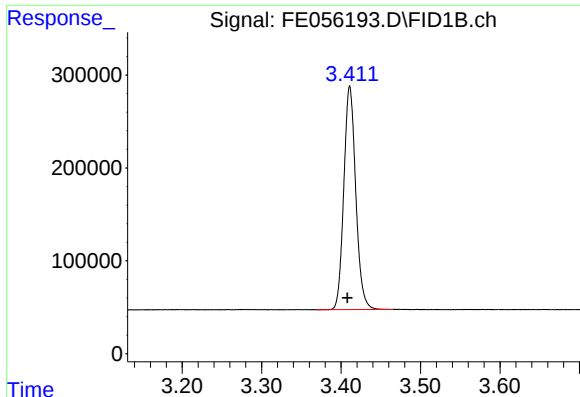
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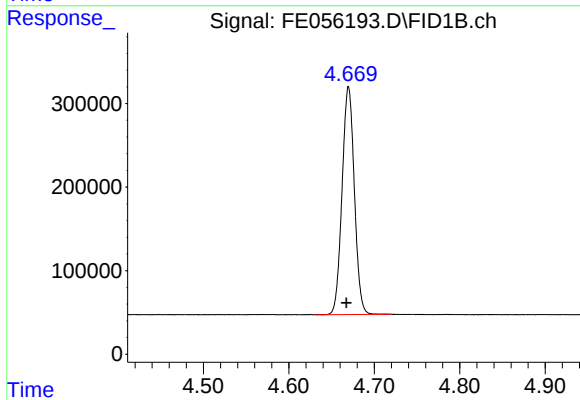
#1 n-Nonane (C9)

R.T.: 3.411 min
Delta R.T.: 0.003 min
Response: 2511812
Conc: 18.34 ug/ml

Instrument :
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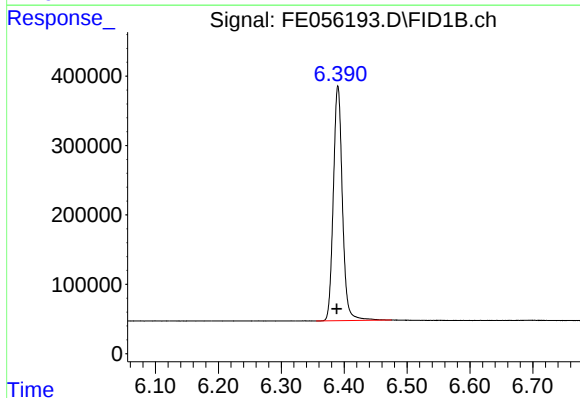
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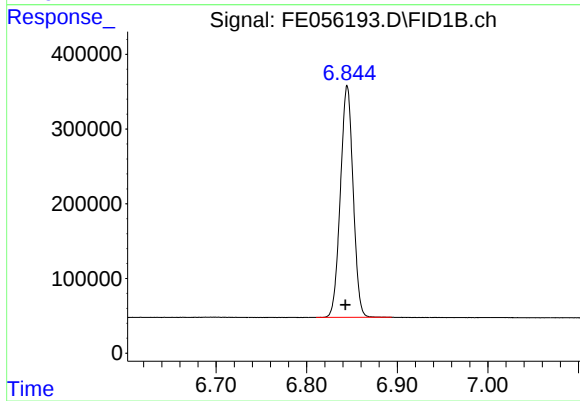
#2 n-Decane (C10)

R.T.: 4.670 min
Delta R.T.: 0.002 min
Response: 2724963
Conc: 19.52 ug/ml



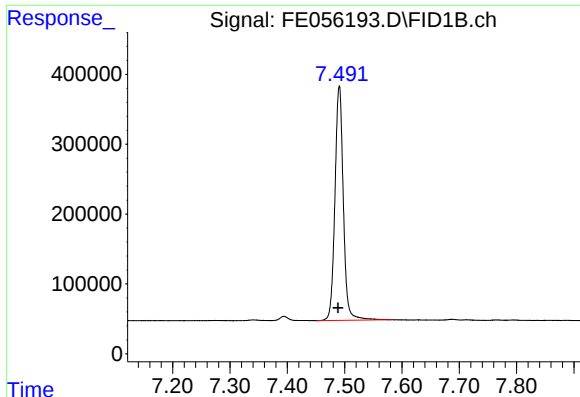
#3 A~Naphthalene (C11.7)

R.T.: 6.390 min
Delta R.T.: 0.002 min
Response: 3399586
Conc: 21.29 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.845 min
Delta R.T.: 0.002 min
Response: 3026349
Conc: 21.09 ug/ml



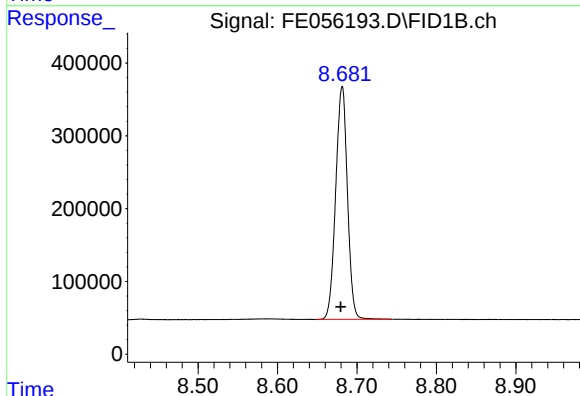
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.491 min
Delta R.T.: 0.002 min
Response: 3412992
Conc: 21.95 ug/ml

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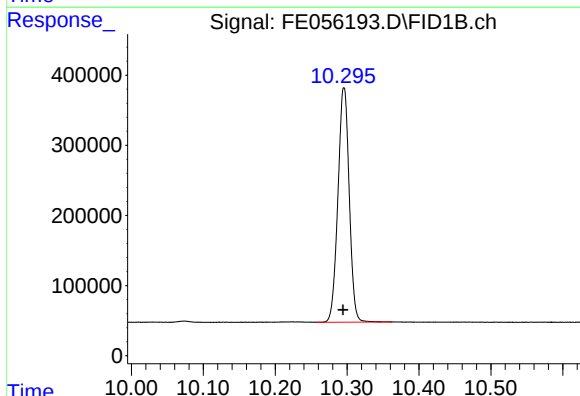
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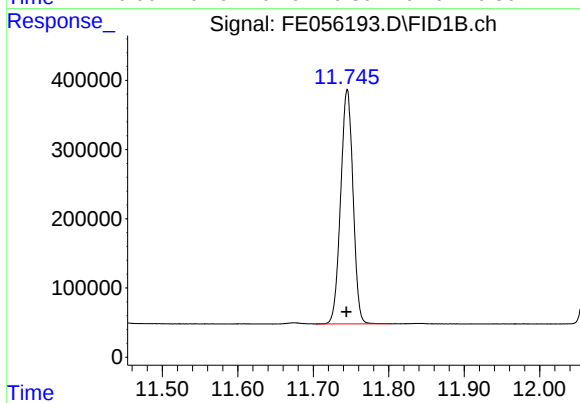
#6 n-Tetradecane (C14)

R.T.: 8.681 min
Delta R.T.: 0.002 min
Response: 3290659
Conc: 22.26 ug/ml



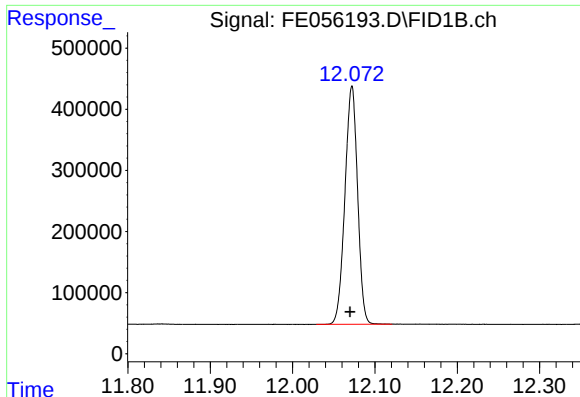
#7 n-Hexadecane (C16)

R.T.: 10.296 min
Delta R.T.: 0.001 min
Response: 3643329
Conc: 22.93 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.745 min
Delta R.T.: 0.000 min
Response: 3849250
Conc: 22.73 ug/ml



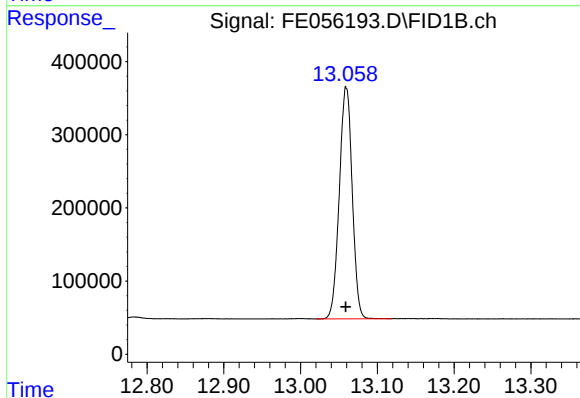
#9 ortho-Terphenyl (SURR)

R.T.: 12.072 min
Delta R.T.: 0.002 min
Response: 4158751
Conc: 22.16 ug/ml

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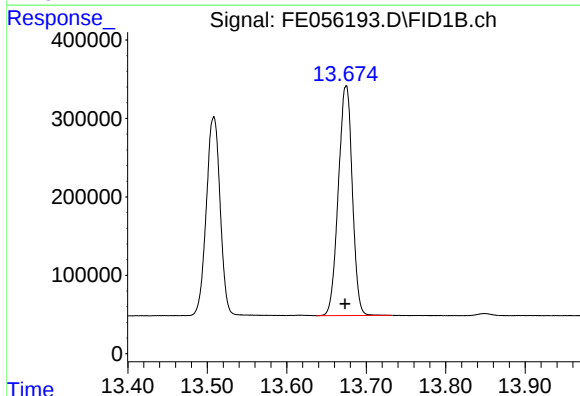
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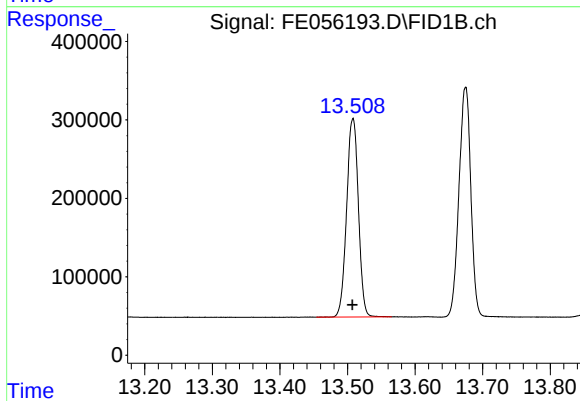
#10 n-Eicosane (C20)

R.T.: 13.059 min
Delta R.T.: 0.000 min
Response: 3702286
Conc: 22.33 ug/ml



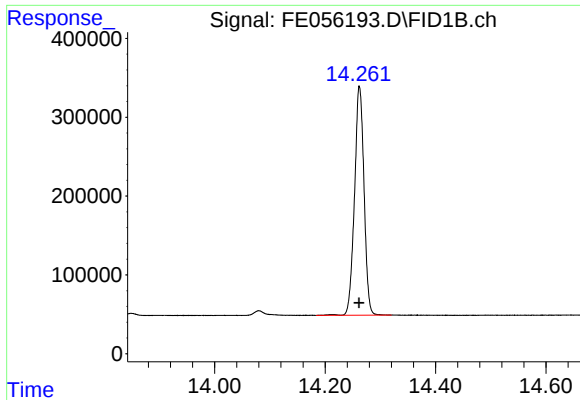
#11 n-Heneicosane (C21)

R.T.: 13.675 min
Delta R.T.: 0.001 min
Response: 3579566
Conc: 22.03 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.508 min
Delta R.T.: 0.000 min
Response: 3058856
Conc: 21.92 ug/ml



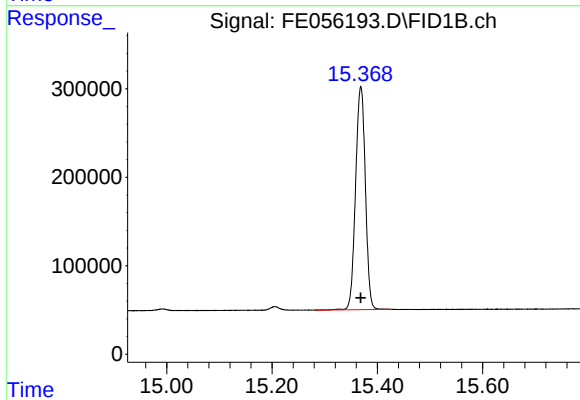
#13 n-Docosane (C22)

R.T.: 14.262 min
Delta R.T.: 0.000 min
Response: 3476741
Conc: 21.76 ug/ml

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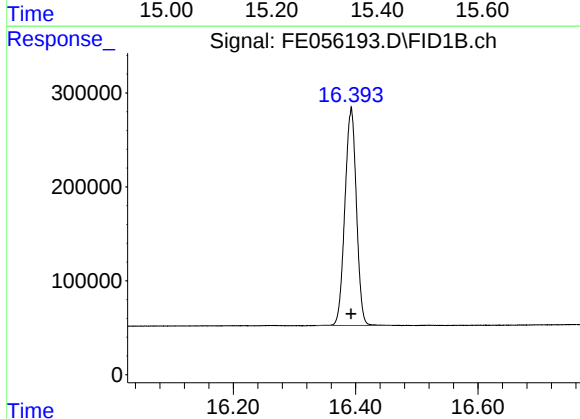
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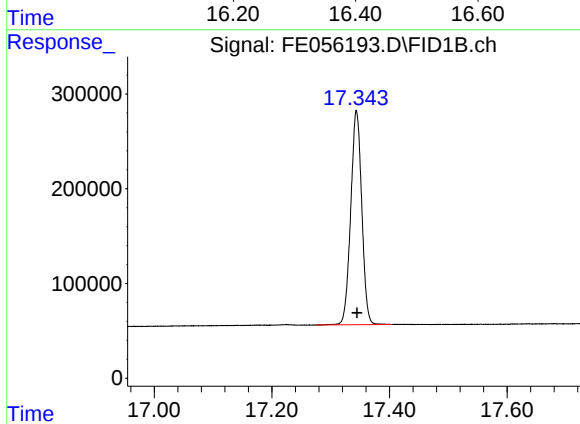
#14 n-Tetracosane (C24)

R.T.: 15.369 min
Delta R.T.: 0.000 min
Response: 3252678
Conc: 21.35 ug/ml



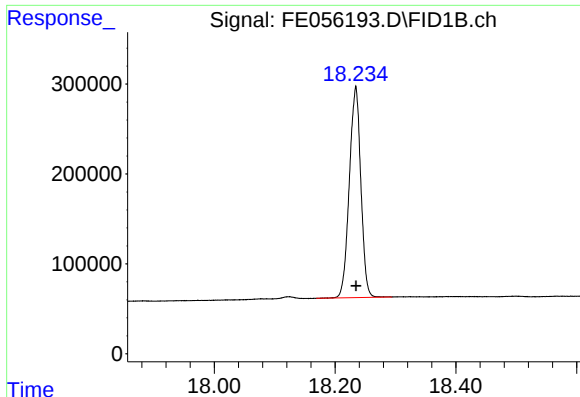
#15 n-Hexacosane (C26)

R.T.: 16.393 min
Delta R.T.: 0.000 min
Response: 3019630
Conc: 21.17 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.344 min
Delta R.T.: 0.000 min
Response: 2938781
Conc: 21.10 ug/ml



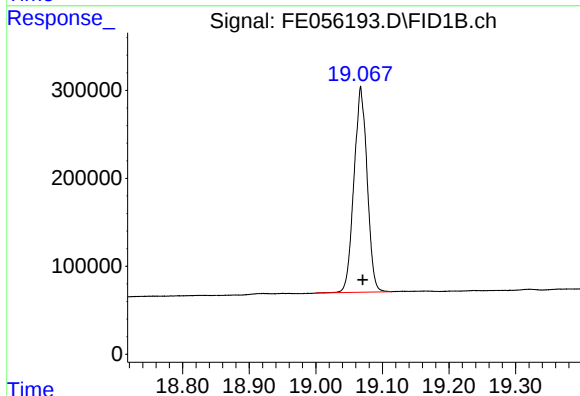
#17 n-Tricontane (C30)

R.T.: 18.234 min
Delta R.T.: 0.000 min
Response: 3099338
Conc: 20.92 ug/ml

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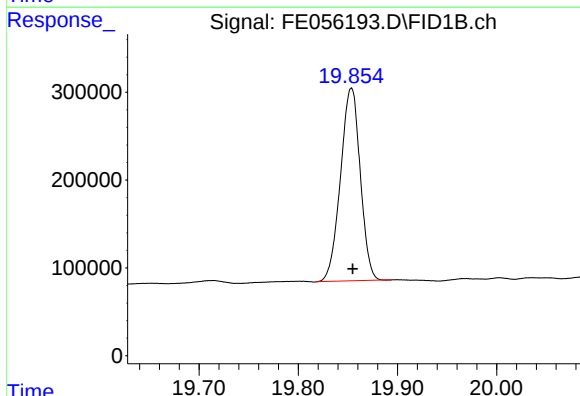
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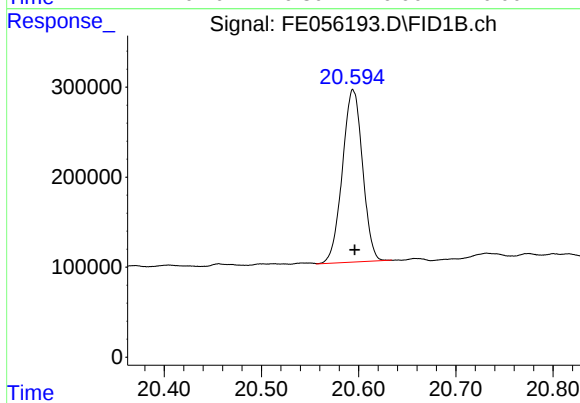
#18 n-Dotriacontane (C32)

R.T.: 19.068 min
Delta R.T.: -0.003 min
Response: 3201191
Conc: 21.46 ug/ml



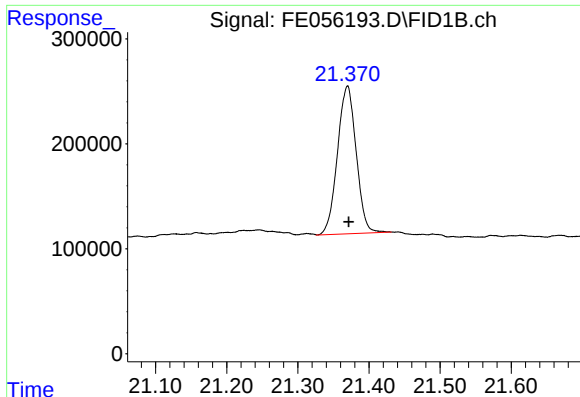
#19 n-Tetratriacontane (C34)

R.T.: 19.854 min
Delta R.T.: -0.001 min
Response: 3038040
Conc: 21.48 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.594 min
Delta R.T.: -0.002 min
Response: 2759095
Conc: 21.49 ug/ml m



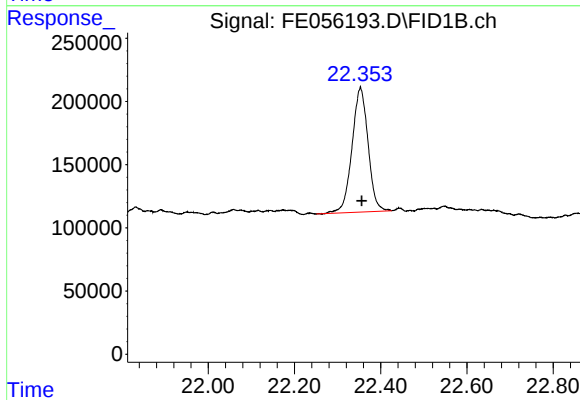
#21 n-Octatriacontane (C38)

R.T.: 21.370 min
Delta R.T.: -0.002 min
Response: 2571930
Conc: 19.58 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.353 min
Delta R.T.: -0.004 min
Response: 2548151
Conc: 21.42 ug/ml