

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112425AL\
 Data File : FE057016.D
 Signal(s) : FID1B.ch
 Acq On : 25 Nov 2025 00:15
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/25/2025
 Supervised By :mohammad ahmed 11/26/2025

Integration File: sample.E
 Quant Time: Nov 25 01:20:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
 Quant Title : GC Extractables
 QLast Update : Tue Nov 18 13:37:28 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)	11.942	4224001	20.219 ug/ml
Spiked Amount 50.000		Recovery =	40.44%
12) S 1-chlorooctadecane (S...	13.379	3222953	20.004 ug/ml
Spiked Amount 50.000		Recovery =	40.01%
Target Compounds			
1) T n-Nonane (C9)	3.303	3625298	21.584 ug/ml
2) T n-Decane (C10)	4.555	3858802	22.488 ug/ml
3) T A~Naphthalene (C11.7)	6.271	3902292	21.141 ug/ml
4) T n-Dodecane (C12)	6.727	3937334	22.637 ug/ml
5) T A~2-methylnaphthalene...	7.370	3697826	20.865 ug/ml
6) T n-Tetradecane (C14)	8.560	3893121	22.304 ug/ml
7) T n-Hexadecane (C16)	10.172	3968119	21.689 ug/ml
8) T n-Octadecane (C18)	11.619	3985584	21.058 ug/ml
10) T n-Eicosane (C20)	12.932	3791279	20.343 ug/ml
11) T n-Heneicosane (C21)	13.545	3703439	20.140 ug/ml
13) T n-Docosane (C22)	14.132	3692769	19.726 ug/ml
14) T n-Tetracosane (C24)	15.239	3668299	18.729 ug/ml
15) T n-Hexacosane (C26)	16.262	3618160	18.618 ug/ml
16) T n-Octacosane (C28)	17.215	3680896	19.007 ug/ml
17) T n-Tricontane (C30)	18.104	3920583	19.554 ug/ml
18) T n-Dotriacontane (C32)	18.938	3971979	20.198 ug/mlm
19) T n-Tetratriacontane (C34)	19.723	3694496	21.404 ug/ml
20) T n-Hexatriacontane (C36)	20.464	3250736	22.472 ug/ml
21) T n-Octatriacontane (C38)	21.211	3037336	24.132 ug/mlm
22) T n-Tetracontane (C40)	22.143	2984251	25.812 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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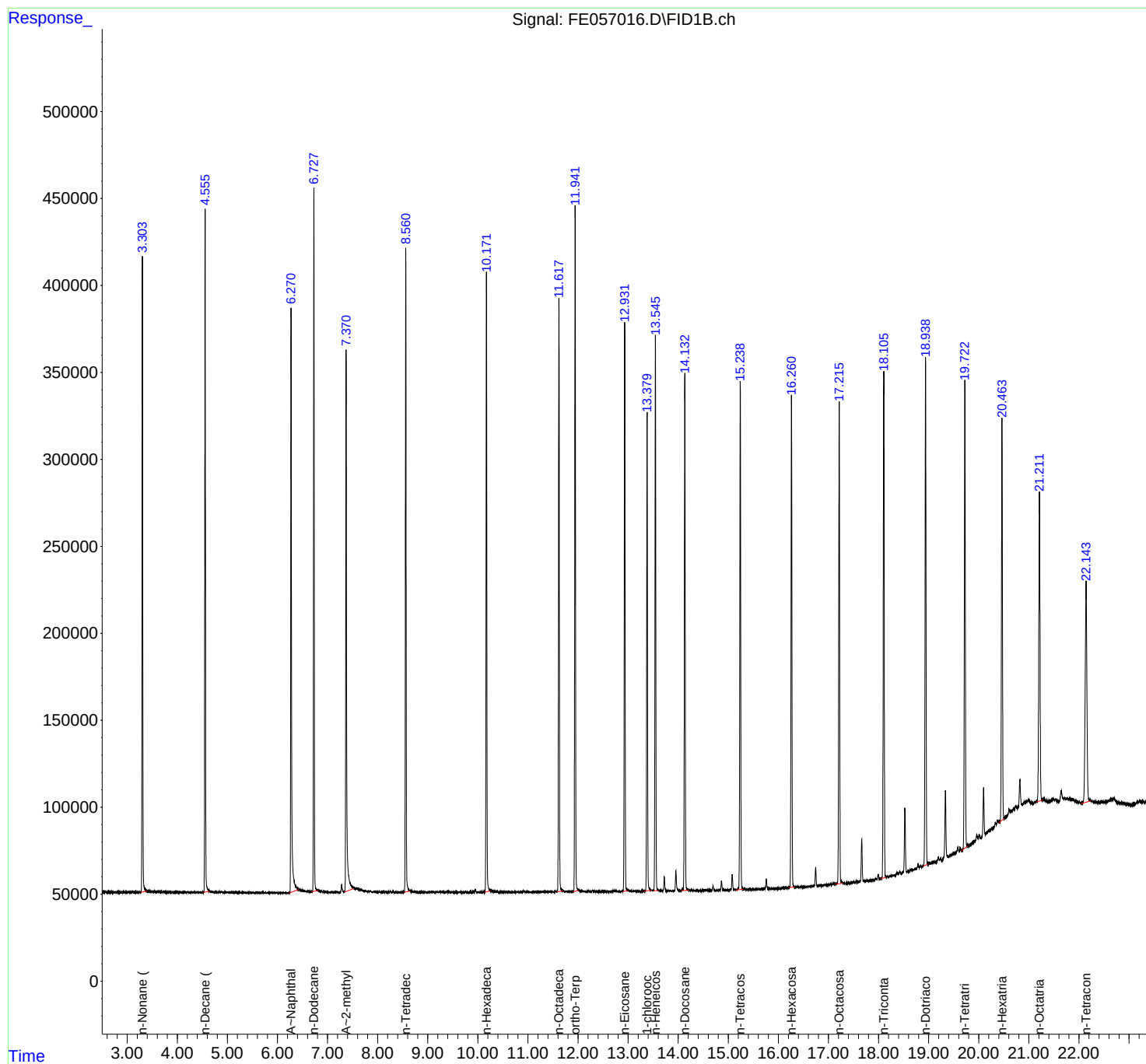
Instrument :
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20 PPM ALIPHATIC HC STD

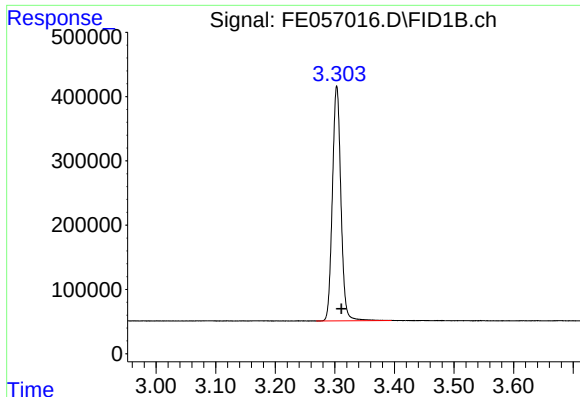
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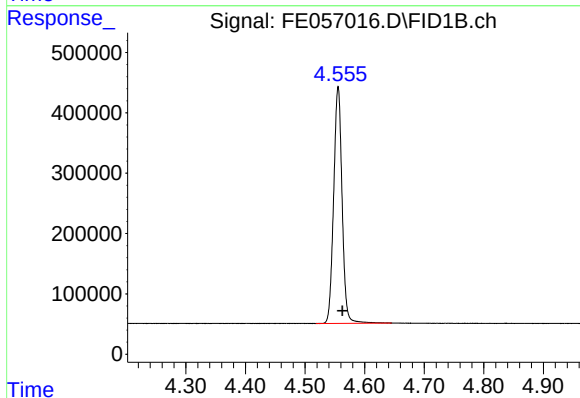
#1 n-Nonane (C9)

R.T.: 3.303 min
Delta R.T.: -0.008 min
Response: 3625298
Conc: 21.58 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

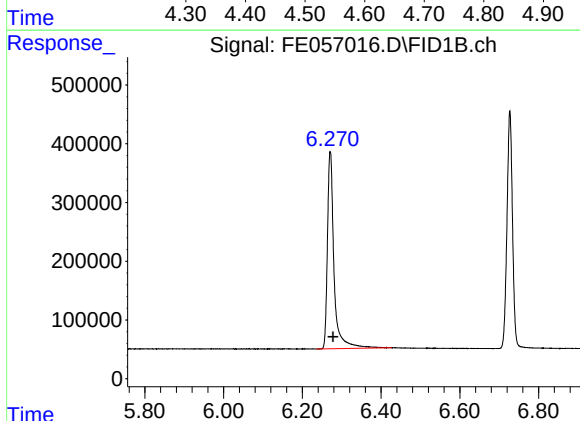
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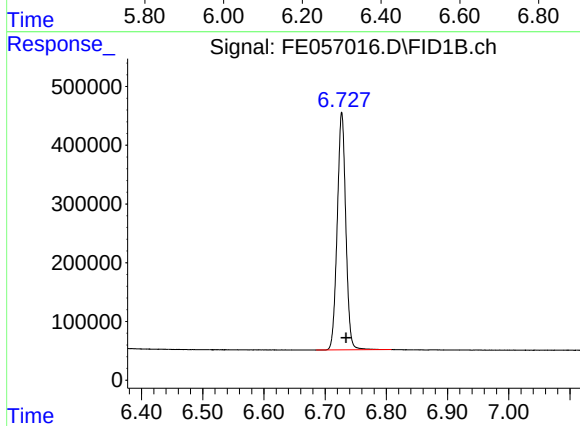
#2 n-Decane (C10)

R.T.: 4.555 min
Delta R.T.: -0.008 min
Response: 3858802
Conc: 22.49 ug/ml



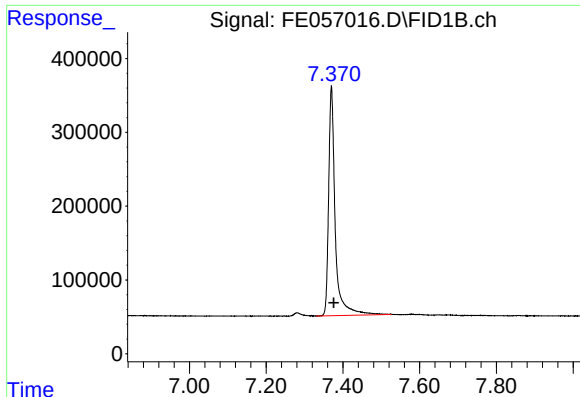
#3 A~Naphthalene (C11.7)

R.T.: 6.271 min
Delta R.T.: -0.007 min
Response: 3902292
Conc: 21.14 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.727 min
Delta R.T.: -0.007 min
Response: 3937334
Conc: 22.64 ug/ml



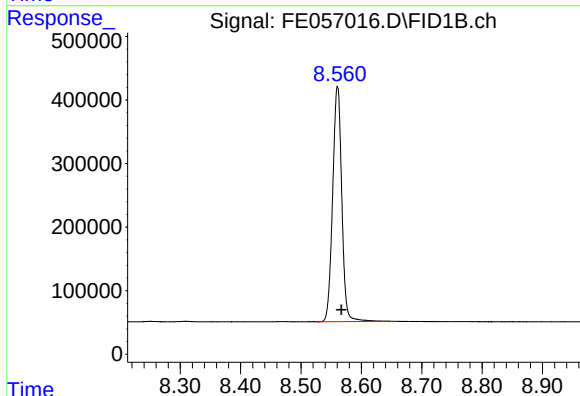
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.370 min
Delta R.T.: -0.006 min
Response: 3697826
Conc: 20.87 ug/ml

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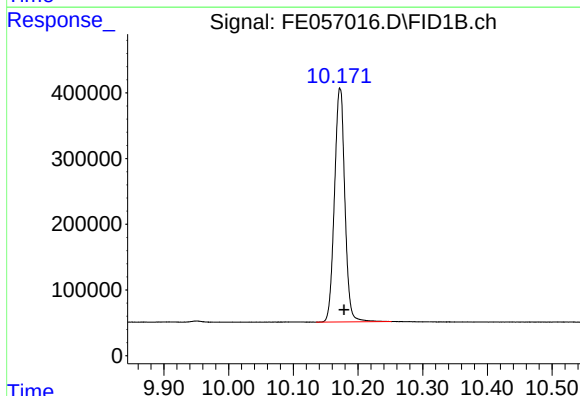
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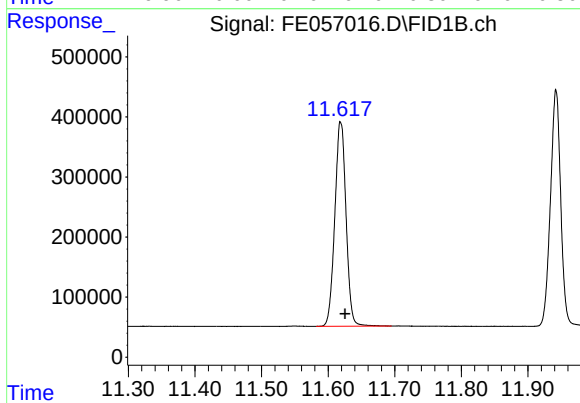
#6 n-Tetradecane (C14)

R.T.: 8.560 min
Delta R.T.: -0.007 min
Response: 3893121
Conc: 22.30 ug/ml



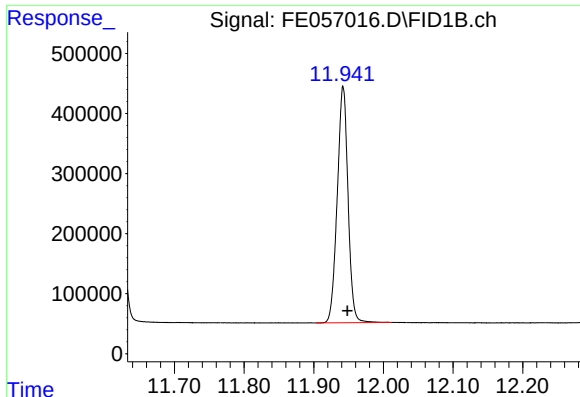
#7 n-Hexadecane (C16)

R.T.: 10.172 min
Delta R.T.: -0.007 min
Response: 3968119
Conc: 21.69 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.619 min
Delta R.T.: -0.007 min
Response: 3985584
Conc: 21.06 ug/ml



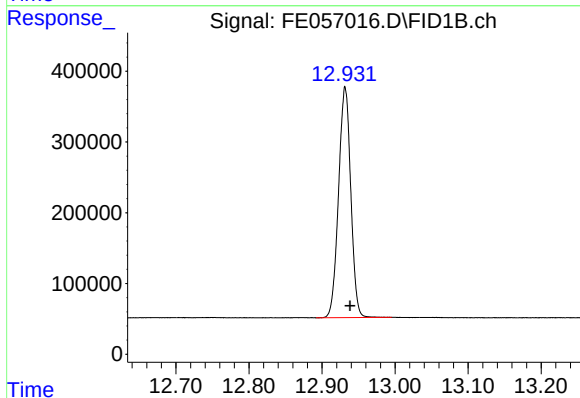
#9 ortho-Terphenyl (SURR)

R.T.: 11.942 min
Delta R.T.: -0.006 min
Response: 4224001
Conc: 20.22 ug/ml

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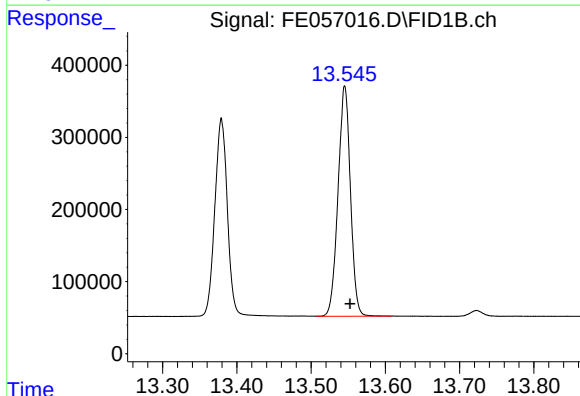
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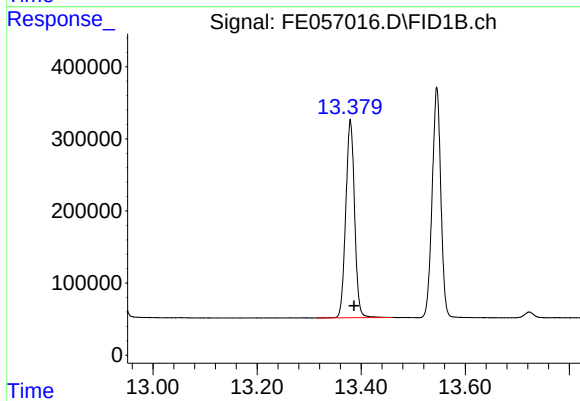
#10 n-Eicosane (C20)

R.T.: 12.932 min
Delta R.T.: -0.007 min
Response: 3791279
Conc: 20.34 ug/ml



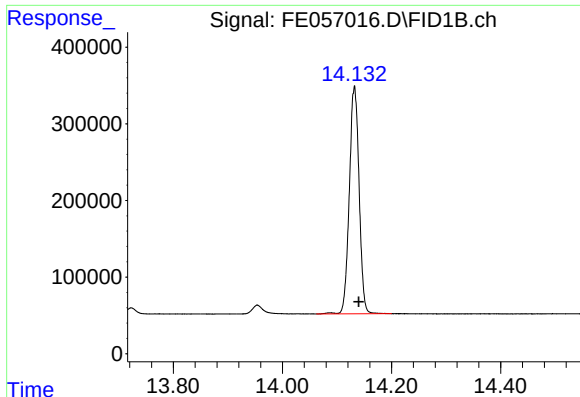
#11 n-Heneicosane (C21)

R.T.: 13.545 min
Delta R.T.: -0.007 min
Response: 3703439
Conc: 20.14 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.379 min
Delta R.T.: -0.007 min
Response: 3222953
Conc: 20.00 ug/ml



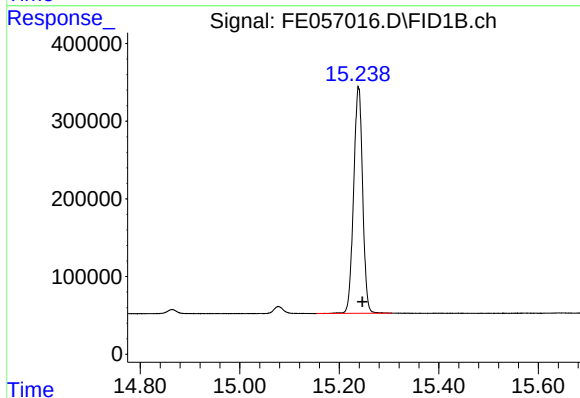
#13 n-Docosane (C22)

R.T.: 14.132 min
Delta R.T.: -0.008 min
Response: 3692769
Conc: 19.73 ug/ml

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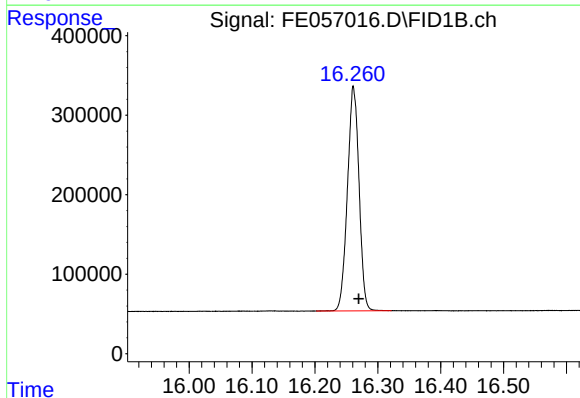
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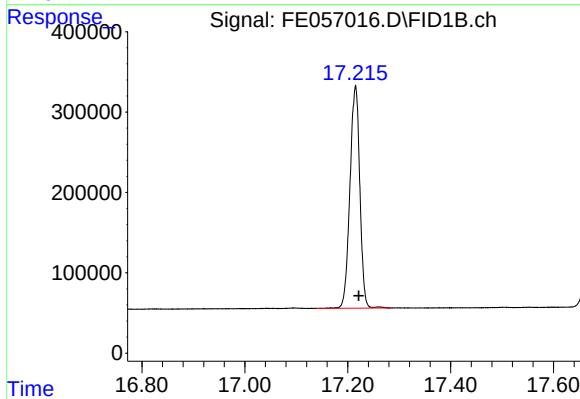
#14 n-Tetracosane (C24)

R.T.: 15.239 min
Delta R.T.: -0.008 min
Response: 3668299
Conc: 18.73 ug/ml



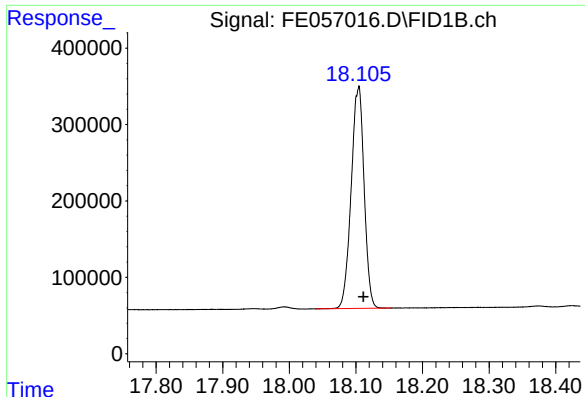
#15 n-Hexacosane (C26)

R.T.: 16.262 min
Delta R.T.: -0.008 min
Response: 3618160
Conc: 18.62 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.215 min
Delta R.T.: -0.006 min
Response: 3680896
Conc: 19.01 ug/ml



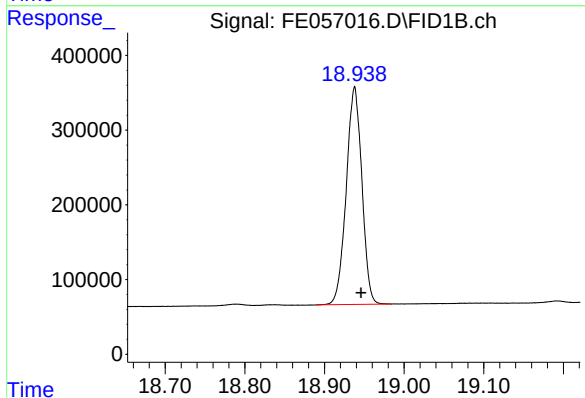
#17 n-Tricontane (C30)

R.T.: 18.104 min
Delta R.T.: -0.008 min
Response: 3920583
Conc: 19.55 ug/ml

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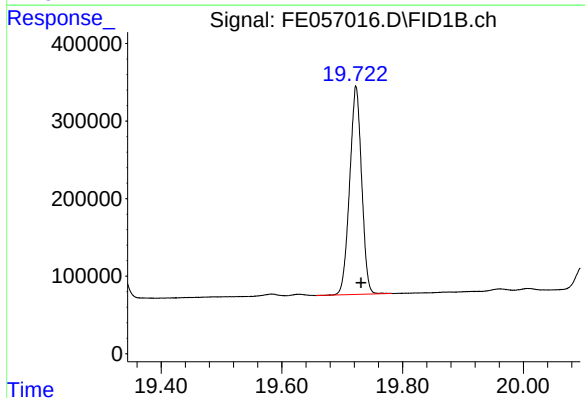
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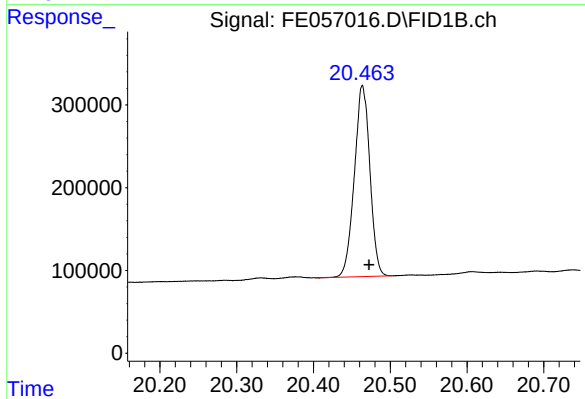
#18 n-Dotriacontane (C32)

R.T.: 18.938 min
Delta R.T.: -0.008 min
Response: 3971979
Conc: 20.20 ug/ml m



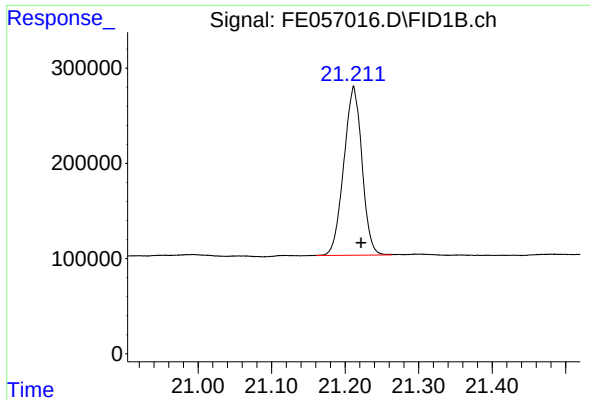
#19 n-Tetratriacontane (C34)

R.T.: 19.723 min
Delta R.T.: -0.008 min
Response: 3694496
Conc: 21.40 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.464 min
Delta R.T.: -0.008 min
Response: 3250736
Conc: 22.47 ug/ml



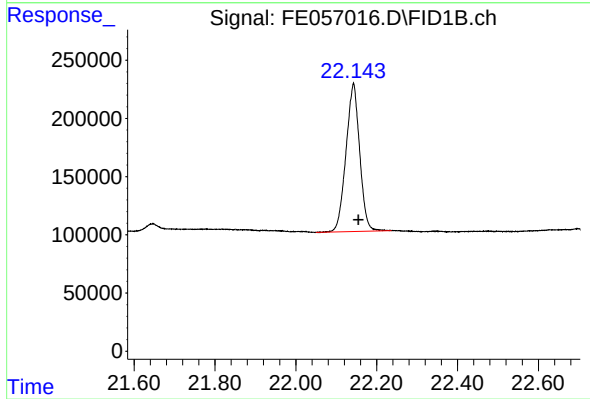
#21 n-Octatriacontane (C38)

R.T.: 21.211 min
Delta R.T.: -0.011 min
Response: 3037336
Conc: 24.13 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.143 min
Delta R.T.: -0.012 min
Response: 2984251
Conc: 25.81 ug/ml