

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061725AL\
 Data File : FE054443.D
 Signal(s) : FID1B.ch
 Acq On : 17 Jun 2025 14:30
 Operator : YP\AJ
 Sample : PB168506BS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

PB168506BS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 06/18/2025

Supervised By :mohammad ahmed 06/19/2025

Integration File: autoint1.e

Quant Time: Jun 18 01:22:31 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M

Quant Title : GC Extractables

QLast Update : Tue Jun 10 07:24:04 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)	11.826	6387682	38.658 ug/ml
Spiked Amount 50.000		Recovery =	77.32%
12) S 1-chlorooctadecane (S...	13.270	5108828	41.893 ug/mlm
Spiked Amount 50.000		Recovery =	83.79%
Target Compounds			
1) T n-Nonane (C9)	3.181	4245100	34.185 ug/ml
2) T n-Decane (C10)	4.440	4287197	34.504 ug/ml
3) T A~Naphthalene (C11.7)	6.152	5471562	40.488 ug/ml
4) T n-Dodecane (C12)	6.619	4590520	36.051 ug/ml
5) T A~2-methylnaphthalene...	7.253	5068422	38.266 ug/ml
6) T n-Tetradecane (C14)	8.454	4858779	37.530 ug/ml
7) T n-Hexadecane (C16)	10.065	5220925	39.303 ug/ml
8) T n-Octadecane (C18)	11.512	5344719	39.581 ug/ml
10) T n-Eicosane (C20)	12.825	5524779	41.299 ug/ml
11) T n-Heneicosane (C21)	13.438	5286264	39.756 ug/ml
13) T n-Docosane (C22)	14.025	5237746	39.946 ug/ml
14) T n-Tetracosane (C24)	15.127	11436177	88.657 ug/ml
15) T n-Hexacosane (C26)	16.155	5060637	40.315 ug/ml
16) T n-Octacosane (C28)	17.106	5368886	43.781 ug/mlm
17) T n-Tricontane (C30)	17.996	4957977	40.002 ug/ml
18) T n-Dotriacontane (C32)	18.829	5123118	40.775 ug/mlm
19) T n-Tetratriacontane (C34)	19.613	4881287	39.237 ug/mlm
20) T n-Hexatriacontane (C36)	20.352	4578173	35.564 ug/mlm
21) T n-Octatriacontane (C38)	21.080	4207419	31.864 ug/ml
22) T n-Tetracontane (C40)	21.966	3808974	28.276 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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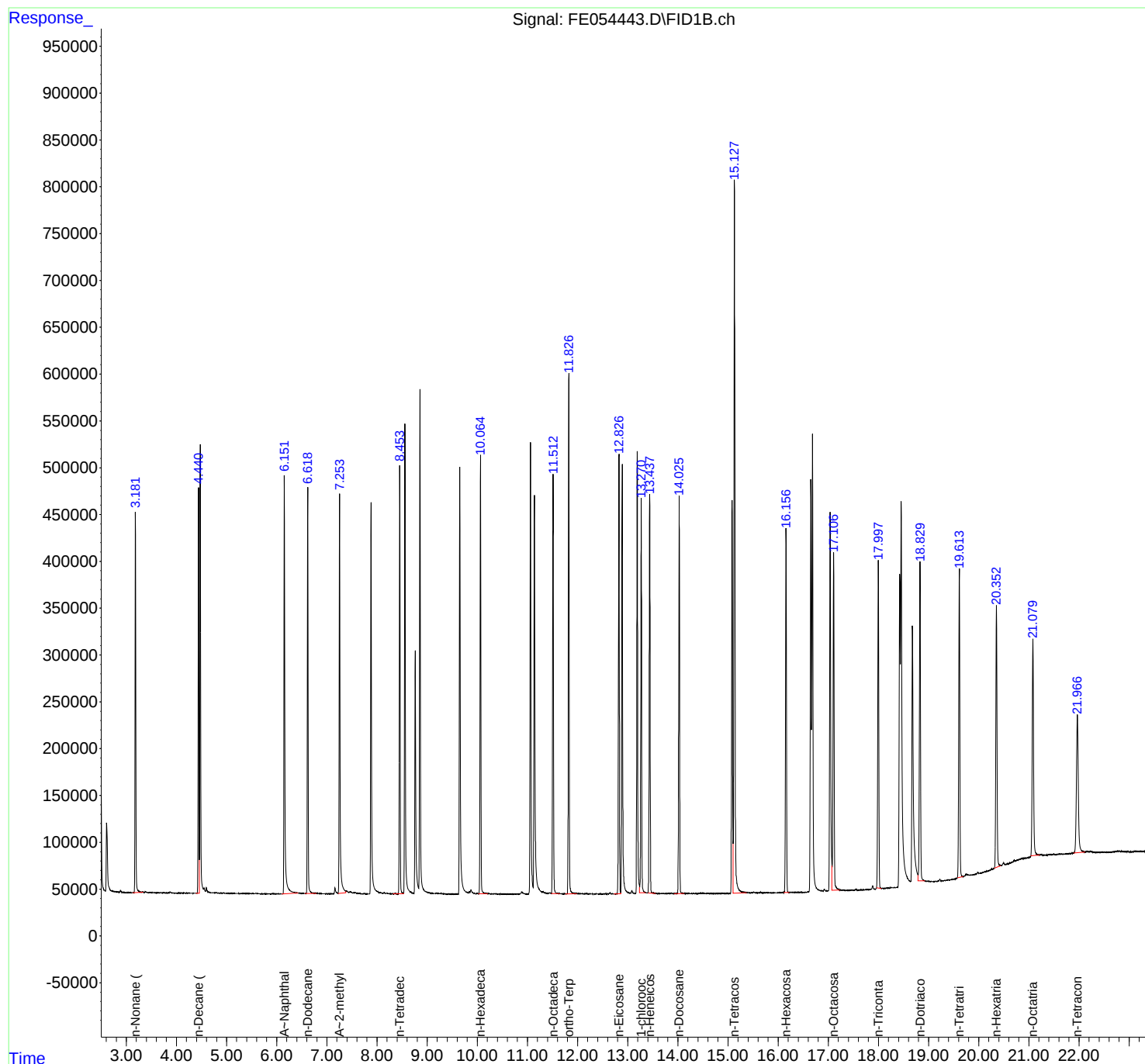
Response via : Initial Calibration

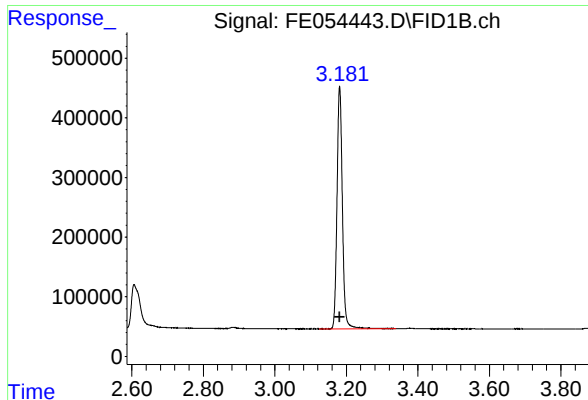
Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um





#1 n-Nonane (C9)

R.T.: 3.181 min
Delta R.T.: 0.000 min
Response: 4245100
Conc: 34.19 ug/ml

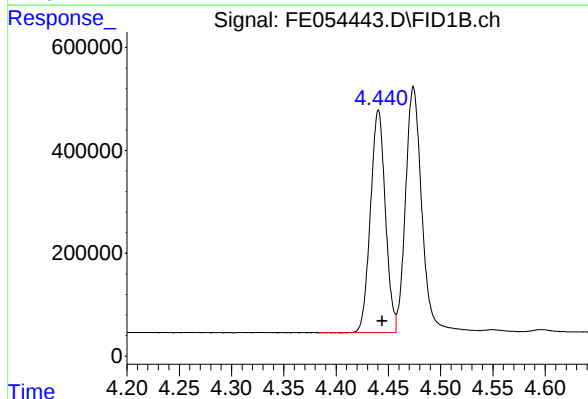
Instrument :

FID_E

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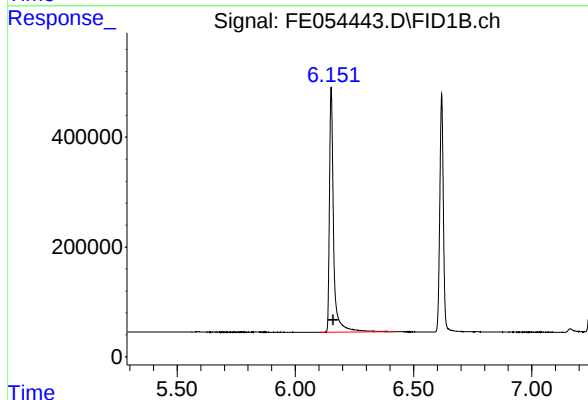
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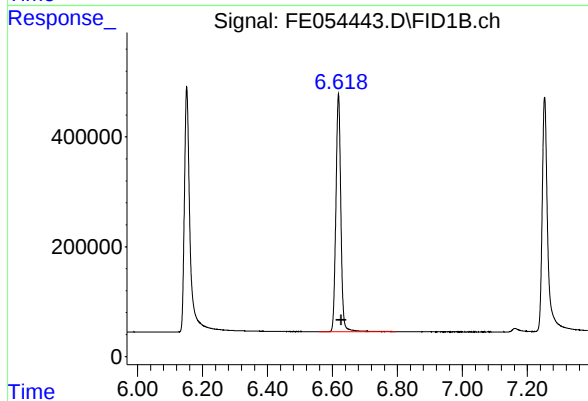
#2 n-Decane (C10)

R.T.: 4.440 min
Delta R.T.: -0.004 min
Response: 4287197
Conc: 34.50 ug/ml



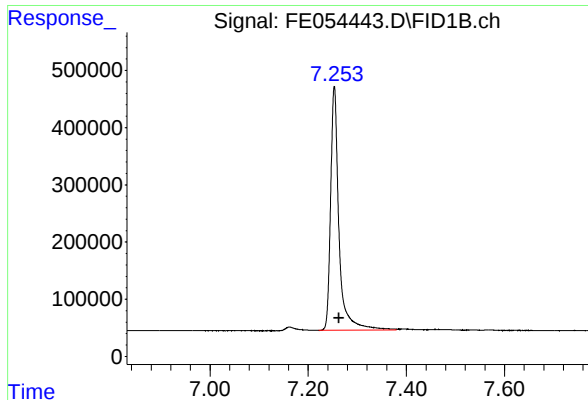
#3 A~Naphthalene (C11.7)

R.T.: 6.152 min
Delta R.T.: -0.009 min
Response: 5471562
Conc: 40.49 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.619 min
Delta R.T.: -0.008 min
Response: 4590520
Conc: 36.05 ug/ml



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

R.T.: 7.253 min
Delta R.T.: -0.009 min
Response: 5068422
Conc: 38.27 ug/ml

Instrument :

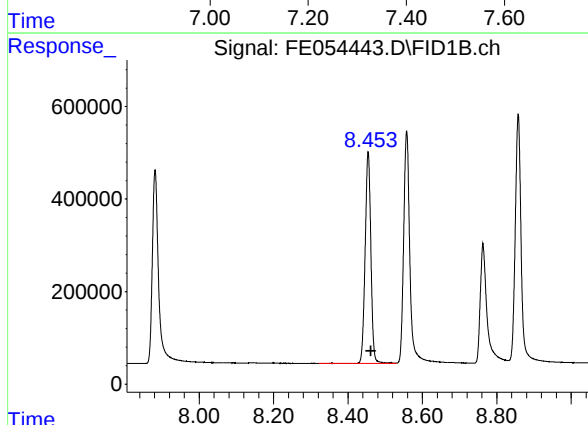
FID_E

ClientSampleId :

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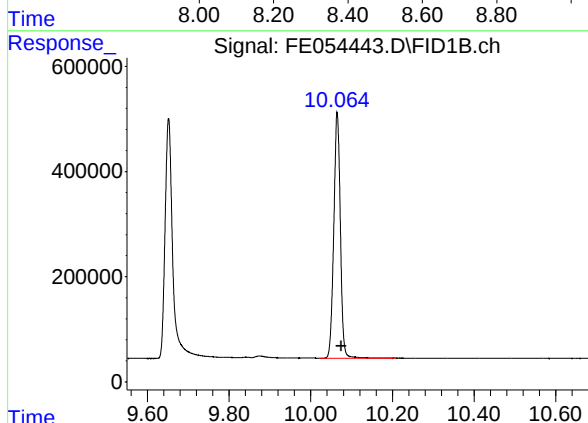
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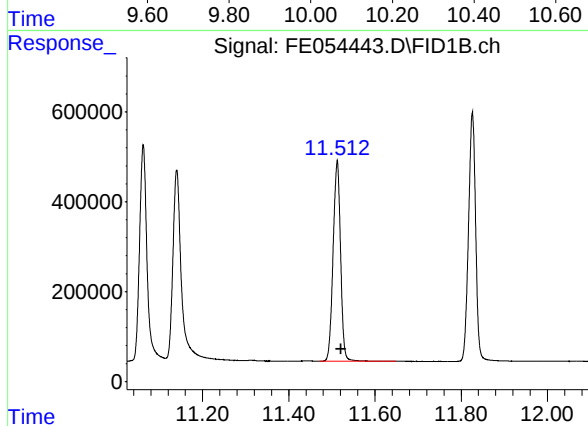
#6 n-Tetradecane (C14)

R.T.: 8.454 min
Delta R.T.: -0.007 min
Response: 4858779
Conc: 37.53 ug/ml



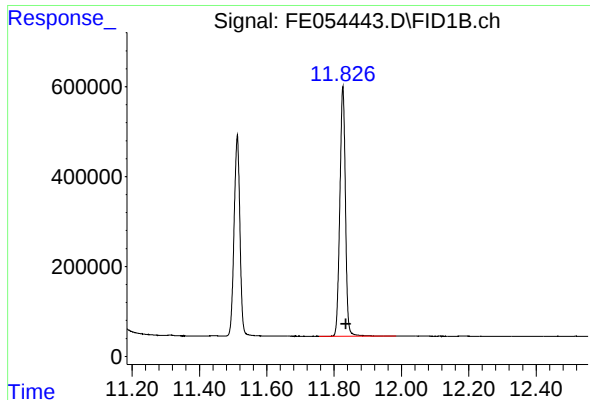
#7 n-Hexadecane (C16)

R.T.: 10.065 min
Delta R.T.: -0.010 min
Response: 5220925
Conc: 39.30 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.512 min
Delta R.T.: -0.009 min
Response: 5344719
Conc: 39.58 ug/ml



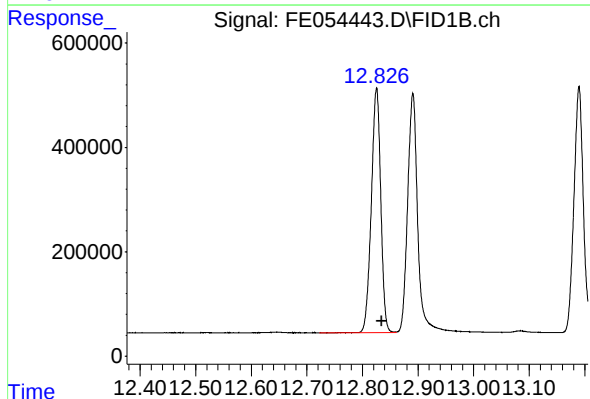
#9 ortho-Terphenyl (SURR)

R.T.: 11.826 min
Delta R.T.: -0.009 min
Response: 6387682
Conc: 38.66 ug/ml

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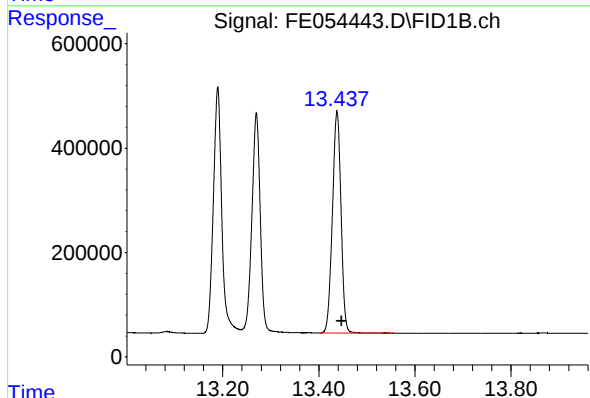
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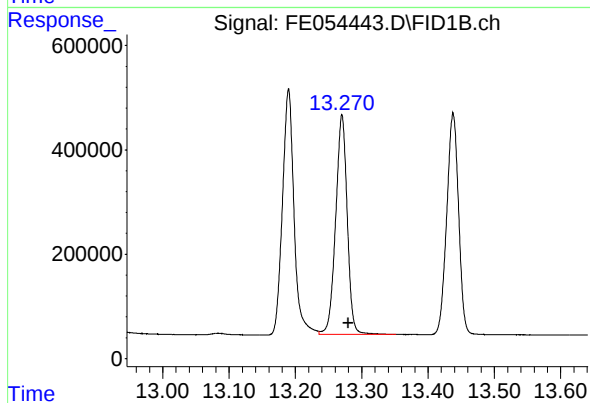
#10 n-Eicosane (C20)

R.T.: 12.825 min
Delta R.T.: -0.009 min
Response: 5524779
Conc: 41.30 ug/ml



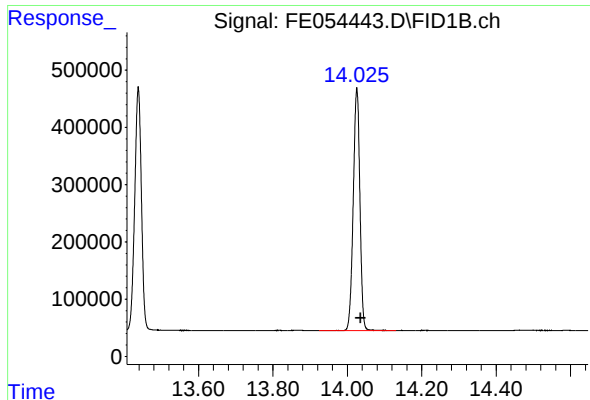
#11 n-Heneicosane (C21)

R.T.: 13.438 min
Delta R.T.: -0.010 min
Response: 5286264
Conc: 39.76 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.270 min
Delta R.T.: -0.010 min
Response: 5108828
Conc: 41.89 ug/ml m



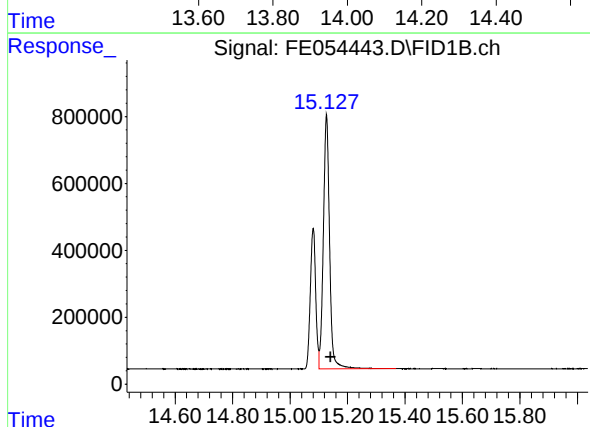
#13 n-Docosane (C22)

R.T.: 14.025 min
Delta R.T.: -0.010 min
Response: 5237746
Conc: 39.95 ug/ml

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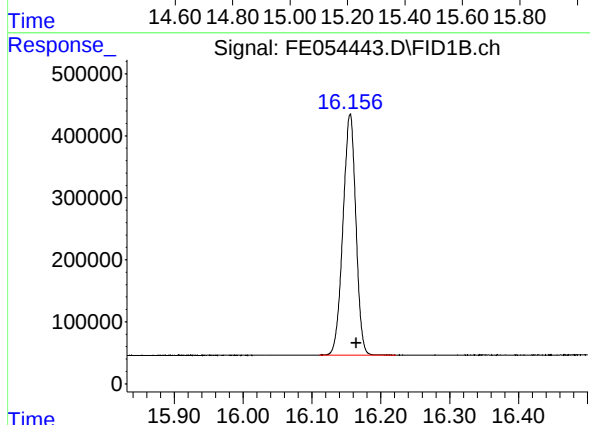
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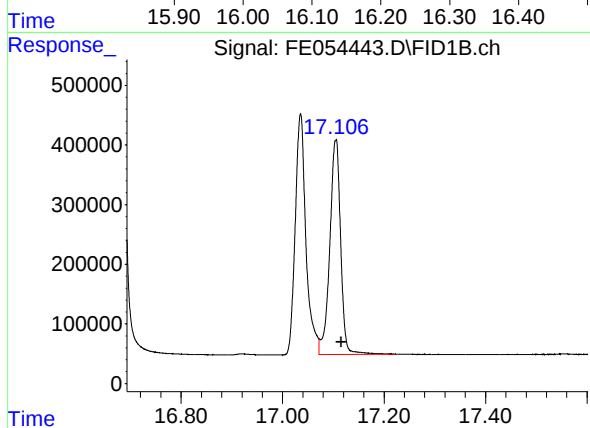
#14 n-Tetracosane (C24)

R.T.: 15.127 min
Delta R.T.: -0.015 min
Response: 11436177
Conc: 88.66 ug/ml



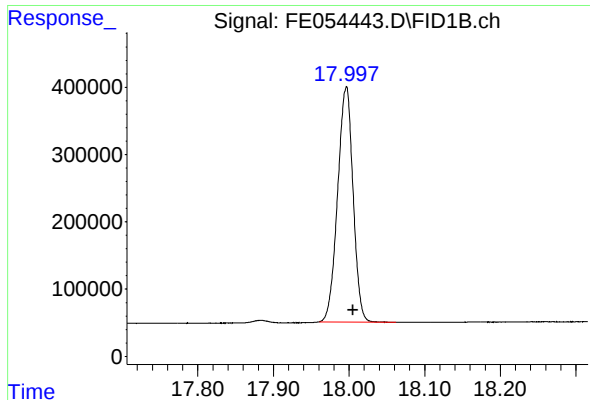
#15 n-Hexacosane (C26)

R.T.: 16.155 min
Delta R.T.: -0.009 min
Response: 5060637
Conc: 40.31 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.106 min
Delta R.T.: -0.009 min
Response: 5368886
Conc: 43.78 ug/ml m



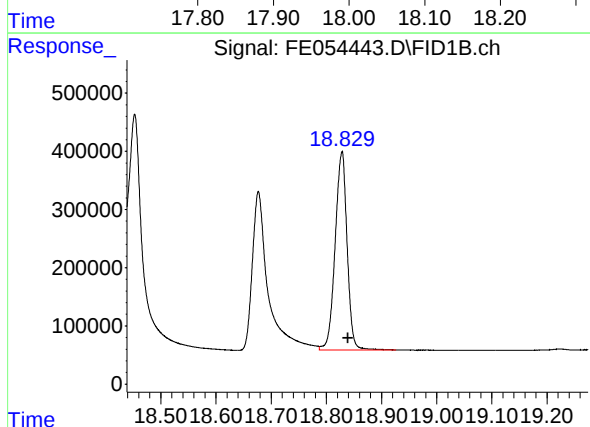
#17 n-Tricontane (C30)

R.T.: 17.996 min
Delta R.T.: -0.009 min
Response: 4957977
Conc: 40.00 ug/ml

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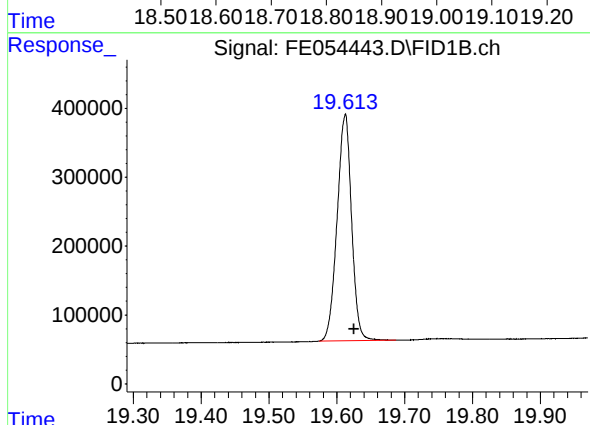
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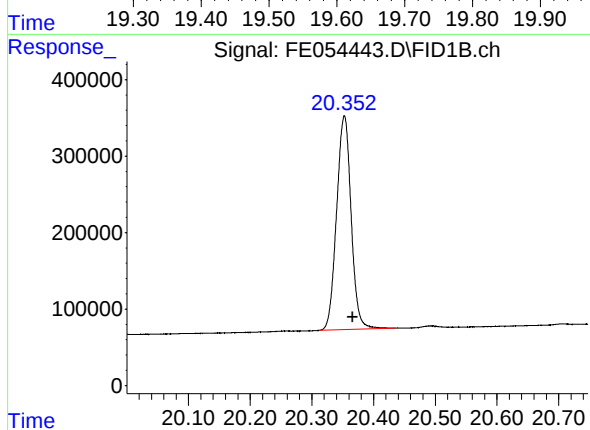
#18 n-Dotriacontane (C32)

R.T.: 18.829 min
Delta R.T.: -0.010 min
Response: 5123118
Conc: 40.77 ug/ml m



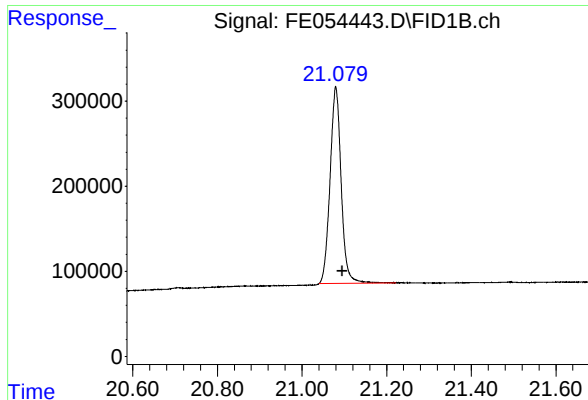
#19 n-Tetratriacontane (C34)

R.T.: 19.613 min
Delta R.T.: -0.012 min
Response: 4881287
Conc: 39.24 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.352 min
Delta R.T.: -0.014 min
Response: 4578173
Conc: 35.56 ug/ml m



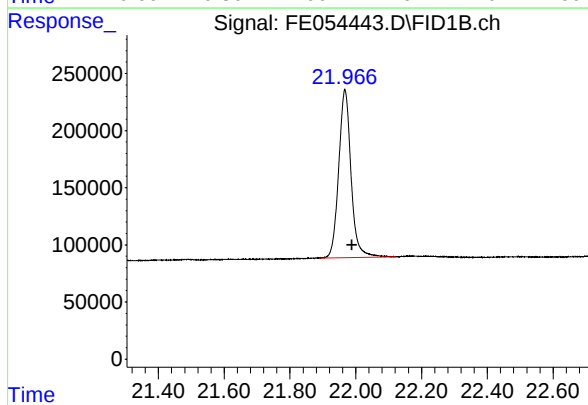
#21 n-Octatriacontane (C38)

R.T.: 21.080 min
Delta R.T.: -0.016 min
Response: 4207419
Conc: 31.86 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.966 min
Delta R.T.: -0.022 min
Response: 3808974
Conc: 28.28 ug/ml m