

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062025AL\
 Data File : FE054518.D
 Signal(s) : FID1B.ch
 Acq On : 20 Jun 2025 14:20
 Operator : YP\AJ
 Sample : PB168561BS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

PB168561BS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 06/23/2025

Supervised By :mohammad ahmed 06/24/2025

Integration File: autoint1.e

Quant Time: Jun 20 23:23:45 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)	11.825	6160790	37.285 ug/ml
Spiked Amount 50.000		Recovery =	74.57%
12) S 1-chlorooctadecane (S...	13.269	4826748	39.580 ug/mlm
Spiked Amount 50.000		Recovery =	79.16%
Target Compounds			
1) T n-Nonane (C9)	3.179	4744704	38.208 ug/ml
2) T n-Decane (C10)	4.438	4806146	38.680 ug/ml
3) T A~Naphthalene (C11.7)	6.149	5984241	44.281 ug/ml
4) T n-Dodecane (C12)	6.617	5047154	39.638 ug/ml
5) T A~2-methylnaphthalene...	7.251	5415613	40.887 ug/ml
6) T n-Tetradecane (C14)	8.452	5091902	39.330 ug/ml
7) T n-Hexadecane (C16)	10.064	5138195	38.680 ug/ml
8) T n-Octadecane (C18)	11.511	5142629	38.084 ug/ml
10) T n-Eicosane (C20)	12.824	5287168	39.522 ug/ml
11) T n-Heneicosane (C21)	13.437	5054357	38.012 ug/ml
13) T n-Docosane (C22)	14.025	5019021	38.278 ug/ml
14) T n-Tetracosane (C24)	15.126	11007869	85.336 ug/ml
15) T n-Hexacosane (C26)	16.154	4860476	38.720 ug/ml
16) T n-Octacosane (C28)	17.103	5035007	41.058 ug/mlm
17) T n-Tricontane (C30)	17.994	4785580	38.611 ug/ml
18) T n-Dotriacontane (C32)	18.826	4954523	39.433 ug/mlm
19) T n-Tetratriacontane (C34)	19.612	4853408	39.012 ug/ml
20) T n-Hexatriacontane (C36)	20.354	4833484	37.547 ug/ml
21) T n-Octatriacontane (C38)	21.079	4868785	36.873 ug/ml
22) T n-Tetracontane (C40)	21.967	4434462	32.920 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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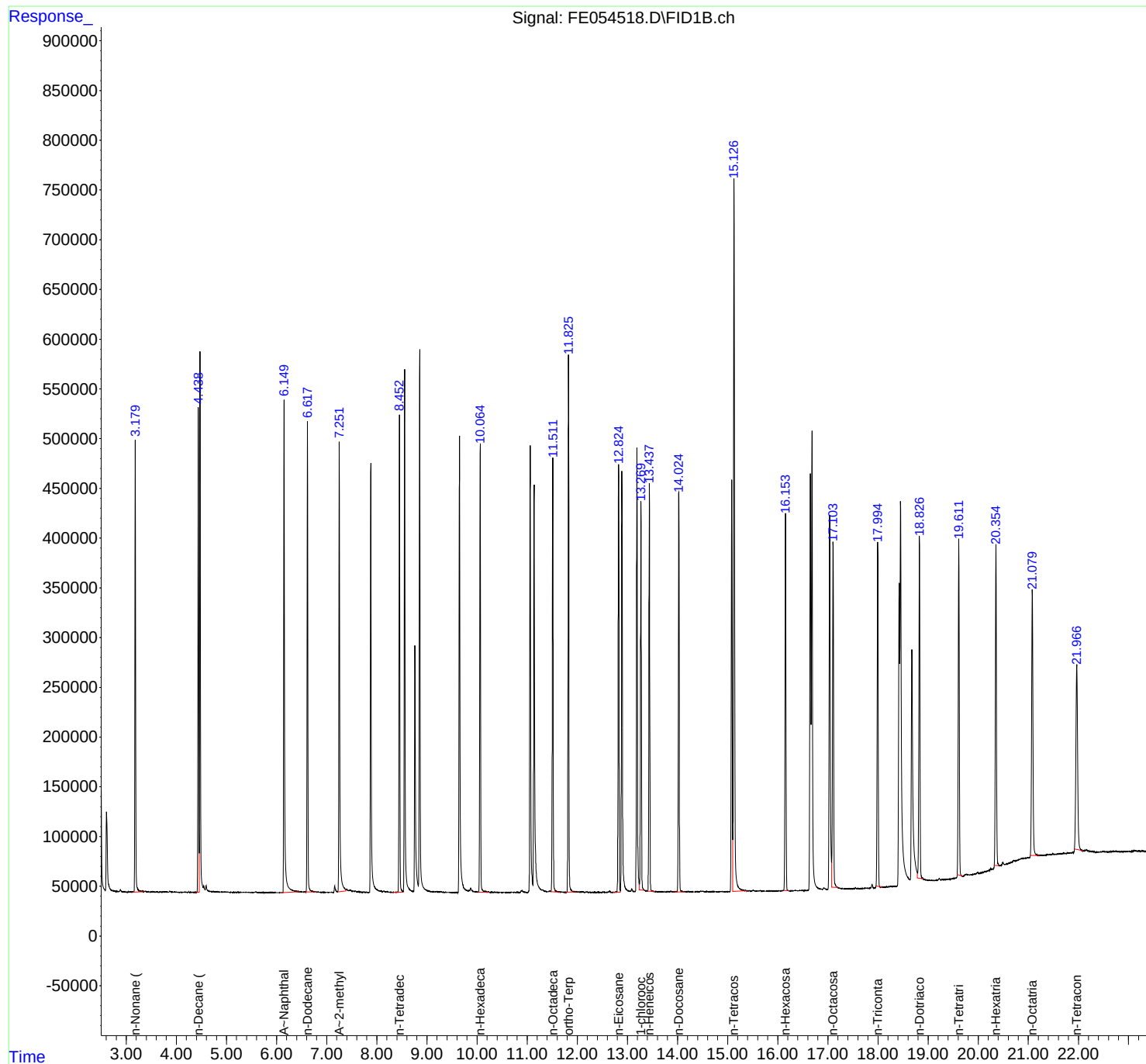
Response via : Initial Calibration

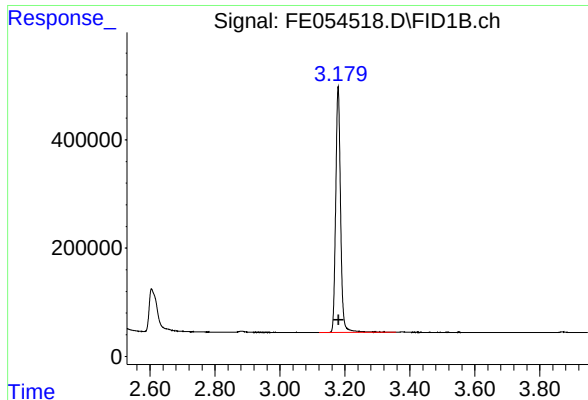
Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um





#1 n-Nonane (C9)

R.T.: 3.179 min
Delta R.T.: -0.002 min
Response: 4744704
Conc: 38.21 ug/ml

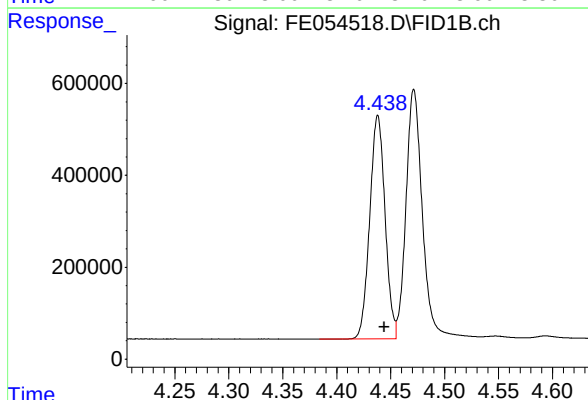
Instrument :

FID_E

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PB168561BS

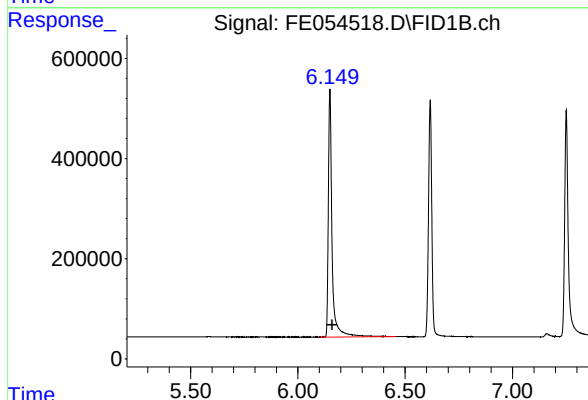
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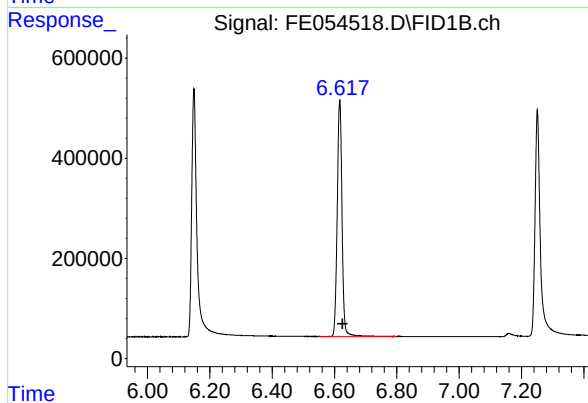
#2 n-Decane (C10)

R.T.: 4.438 min
Delta R.T.: -0.006 min
Response: 4806146
Conc: 38.68 ug/ml



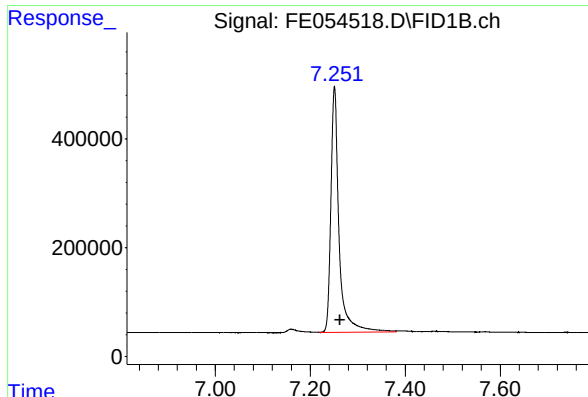
#3 A~Naphthalene (C11.7)

R.T.: 6.149 min
Delta R.T.: -0.011 min
Response: 5984241
Conc: 44.28 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.617 min
Delta R.T.: -0.010 min
Response: 5047154
Conc: 39.64 ug/ml



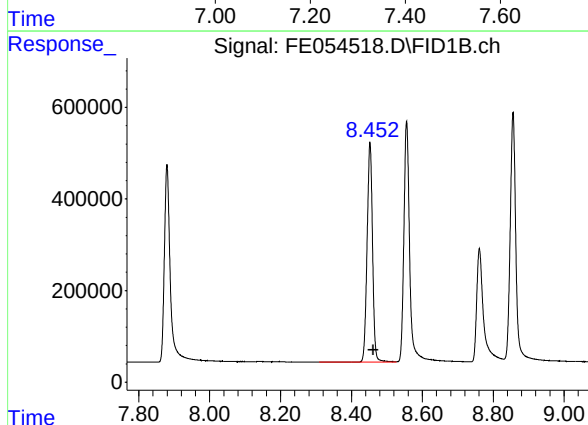
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.251 min
Delta R.T.: -0.012 min
Response: 5415613
Conc: 40.89 ug/ml

Instrument :
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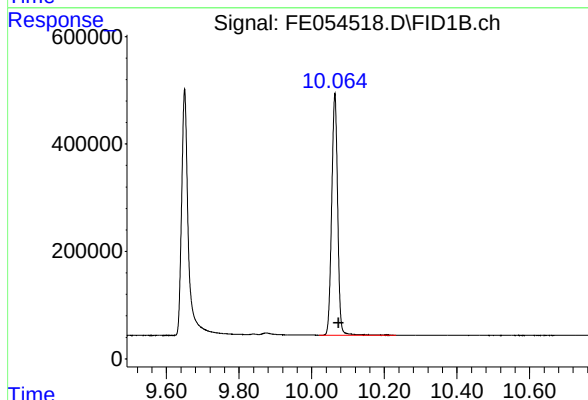
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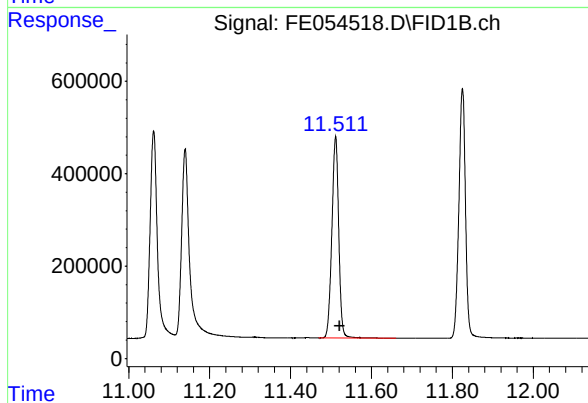
#6 n-Tetradecane (C14)

R.T.: 8.452 min
Delta R.T.: -0.009 min
Response: 5091902
Conc: 39.33 ug/ml



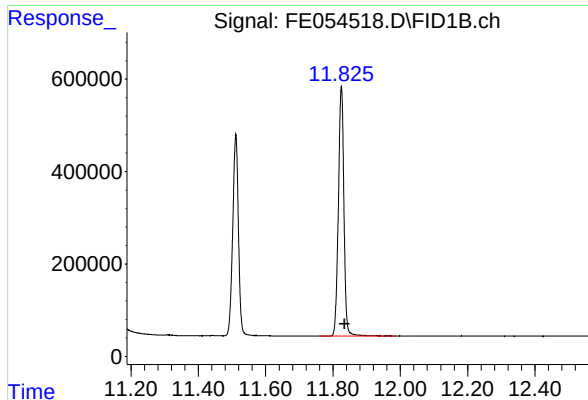
#7 n-Hexadecane (C16)

R.T.: 10.064 min
Delta R.T.: -0.011 min
Response: 5138195
Conc: 38.68 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.511 min
Delta R.T.: -0.010 min
Response: 5142629
Conc: 38.08 ug/ml



#9 ortho-Terphenyl (SURR)

R.T.: 11.825 min
 Delta R.T.: -0.010 min
 Response: 6160790
 Conc: 37.28 ug/ml

Instrument :

FID_E

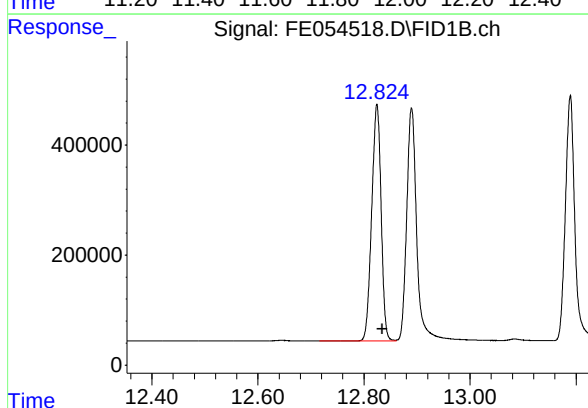
ClientSampleId :

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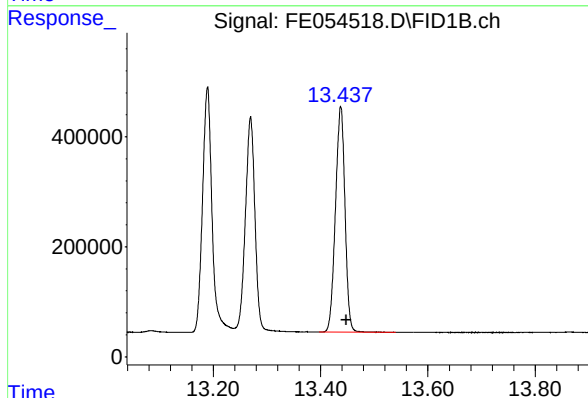
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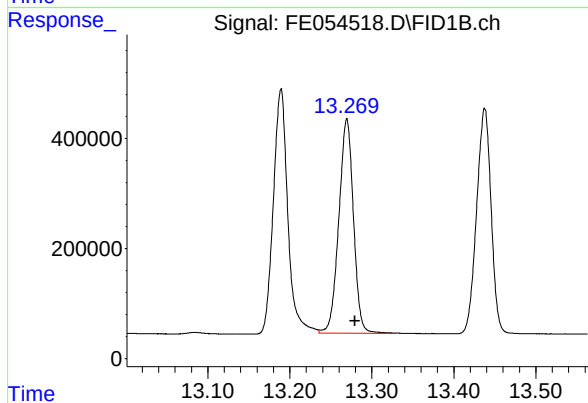
#10 n-Eicosane (C20)

R.T.: 12.824 min
 Delta R.T.: -0.010 min
 Response: 5287168
 Conc: 39.52 ug/ml



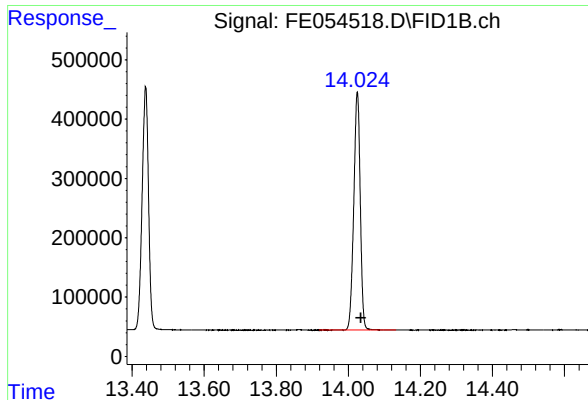
#11 n-Heneicosane (C21)

R.T.: 13.437 min
 Delta R.T.: -0.010 min
 Response: 5054357
 Conc: 38.01 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.269 min
 Delta R.T.: -0.010 min
 Response: 4826748
 Conc: 39.58 ug/ml m



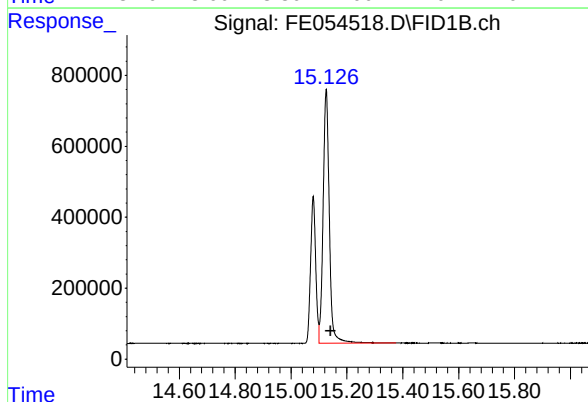
#13 n-Docosane (C22)

R.T.: 14.025 min
Delta R.T.: -0.010 min
Response: 5019021
Conc: 38.28 ug/ml

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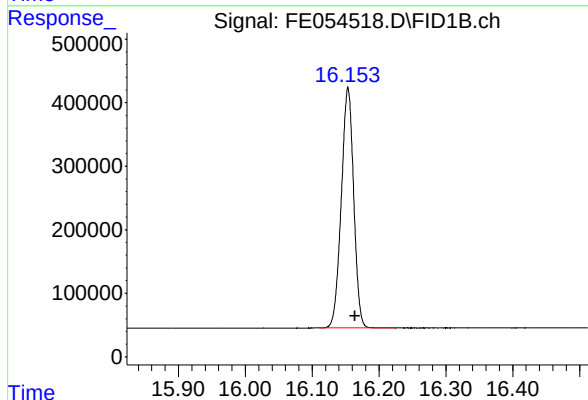
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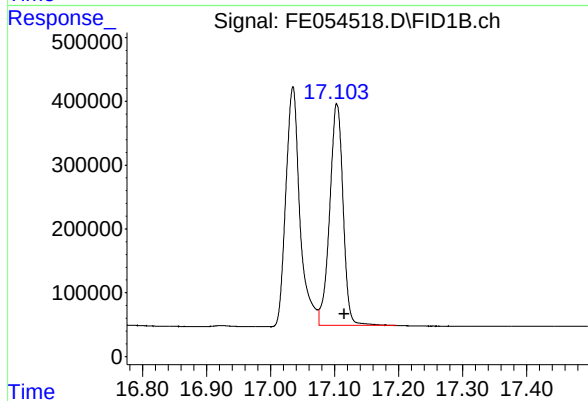
#14 n-Tetracosane (C24)

R.T.: 15.126 min
Delta R.T.: -0.016 min
Response: 11007869
Conc: 85.34 ug/ml



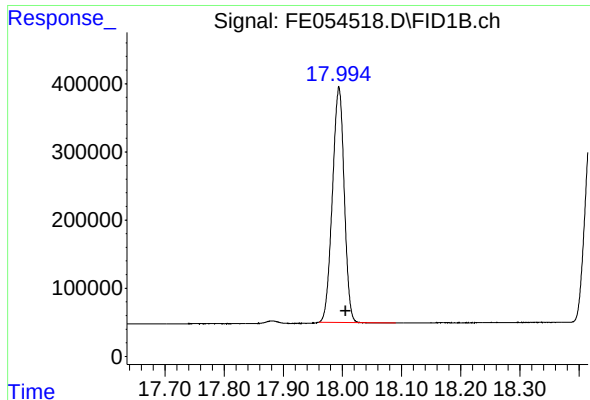
#15 n-Hexacosane (C26)

R.T.: 16.154 min
Delta R.T.: -0.011 min
Response: 4860476
Conc: 38.72 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.103 min
Delta R.T.: -0.013 min
Response: 5035007
Conc: 41.06 ug/ml m



#17 n-Tricontane (C30)

R.T.: 17.994 min
Delta R.T.: -0.011 min
Response: 4785580
Conc: 38.61 ug/ml

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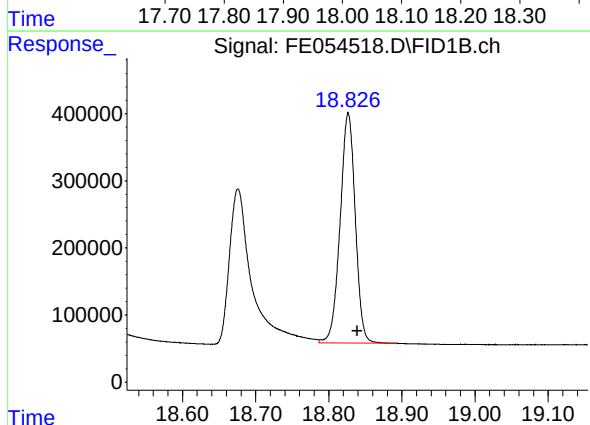
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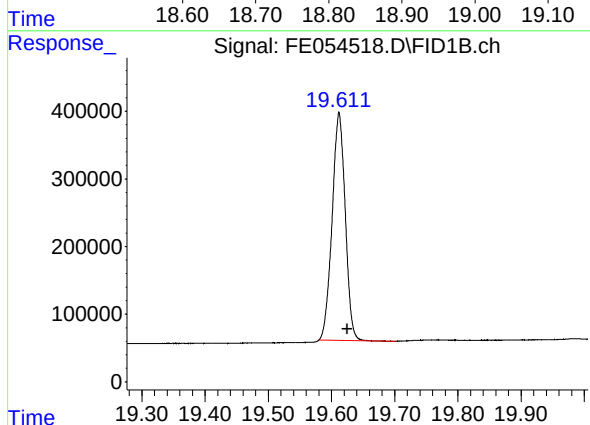
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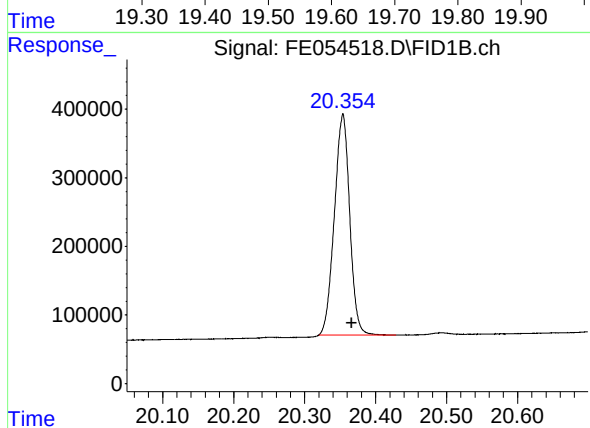
#18 n-Dotriacontane (C32)

R.T.: 18.826 min
Delta R.T.: -0.013 min
Response: 4954523
Conc: 39.43 ug/ml



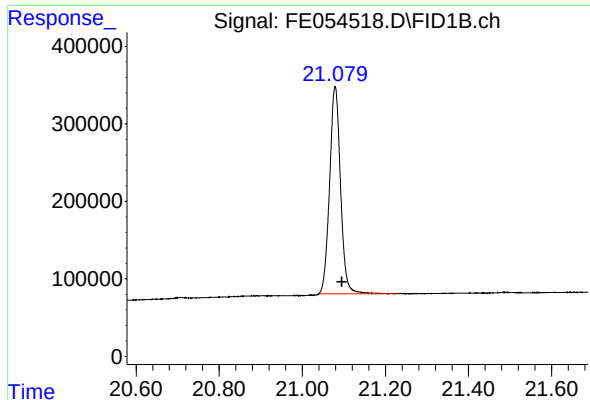
#19 n-Tetratriacontane (C34)

R.T.: 19.612 min
Delta R.T.: -0.013 min
Response: 4853408
Conc: 39.01 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.354 min
Delta R.T.: -0.012 min
Response: 4833484
Conc: 37.55 ug/ml



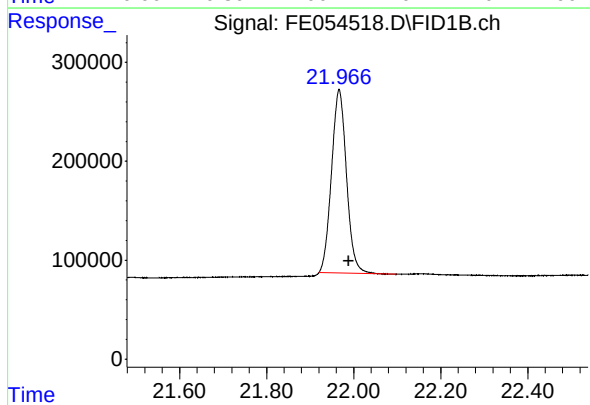
#21 n-Octatriacontane (C38)

R.T.: 21.079 min
Delta R.T.: -0.017 min
Response: 4868785
Conc: 36.87 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.967 min
Delta R.T.: -0.022 min
Response: 4434462
Conc: 32.92 ug/ml