

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE071025AL\
 Data File : FE054781.D
 Signal(s) : FID1B.ch
 Acq On : 10 Jul 2025 15:51
 Operator : YP\AJ
 Sample : PB168786BS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

PB168786BS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 07/11/2025

Supervised By :mohammad ahmed 07/14/2025

Integration File: sample.E

Quant Time: Jul 11 05:15:24 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)	12.080	4773301	29.393 ug/ml
Spiked Amount 50.000		Recovery =	58.79%
12) S 1-chlorooctadecane (S...	13.515	3784010	29.962 ug/ml
Spiked Amount 50.000		Recovery =	59.92%
Target Compounds			
1) T n-Nonane (C9)	3.426	2990063	22.229 ug/ml
2) T n-Decane (C10)	4.680	3309331	24.253 ug/ml
3) T A~Naphthalene (C11.7)	6.395	4552588	30.067 ug/ml
4) T n-Dodecane (C12)	6.853	3908315	28.485 ug/ml
5) T A~2-methylnaphthalene...	7.496	4775028	32.482 ug/ml
6) T n-Tetradecane (C14)	8.691	4868025	35.116 ug/ml
7) T n-Hexadecane (C16)	10.305	5258299	36.898 ug/ml
8) T n-Octadecane (C18)	11.754	5218990	35.611 ug/ml
10) T n-Eicosane (C20)	13.069	5270148	36.651 ug/ml
11) T n-Heneicosane (C21)	13.682	5022962	35.167 ug/ml
13) T n-Docosane (C22)	14.270	4946850	34.645 ug/ml
14) T n-Tetracosane (C24)	15.374	10413306	71.636 ug/ml
15) T n-Hexacosane (C26)	16.401	4779086	33.024 ug/ml
16) T n-Octacosane (C28)	17.352	4724097	32.415 ug/ml
17) T n-Tricontane (C30)	18.242	4846486	30.755 ug/ml
18) T n-Dotriacontane (C32)	19.075	4917394	30.394 ug/ml
19) T n-Tetratriacontane (C34)	19.861	5317786	34.896 ug/ml
20) T n-Hexatriacontane (C36)	20.602	5325146	39.605 ug/mlm
21) T n-Octatriacontane (C38)	21.381	5713657	48.717 ug/ml
22) T n-Tetracontane (C40)	22.372	5827322	53.765 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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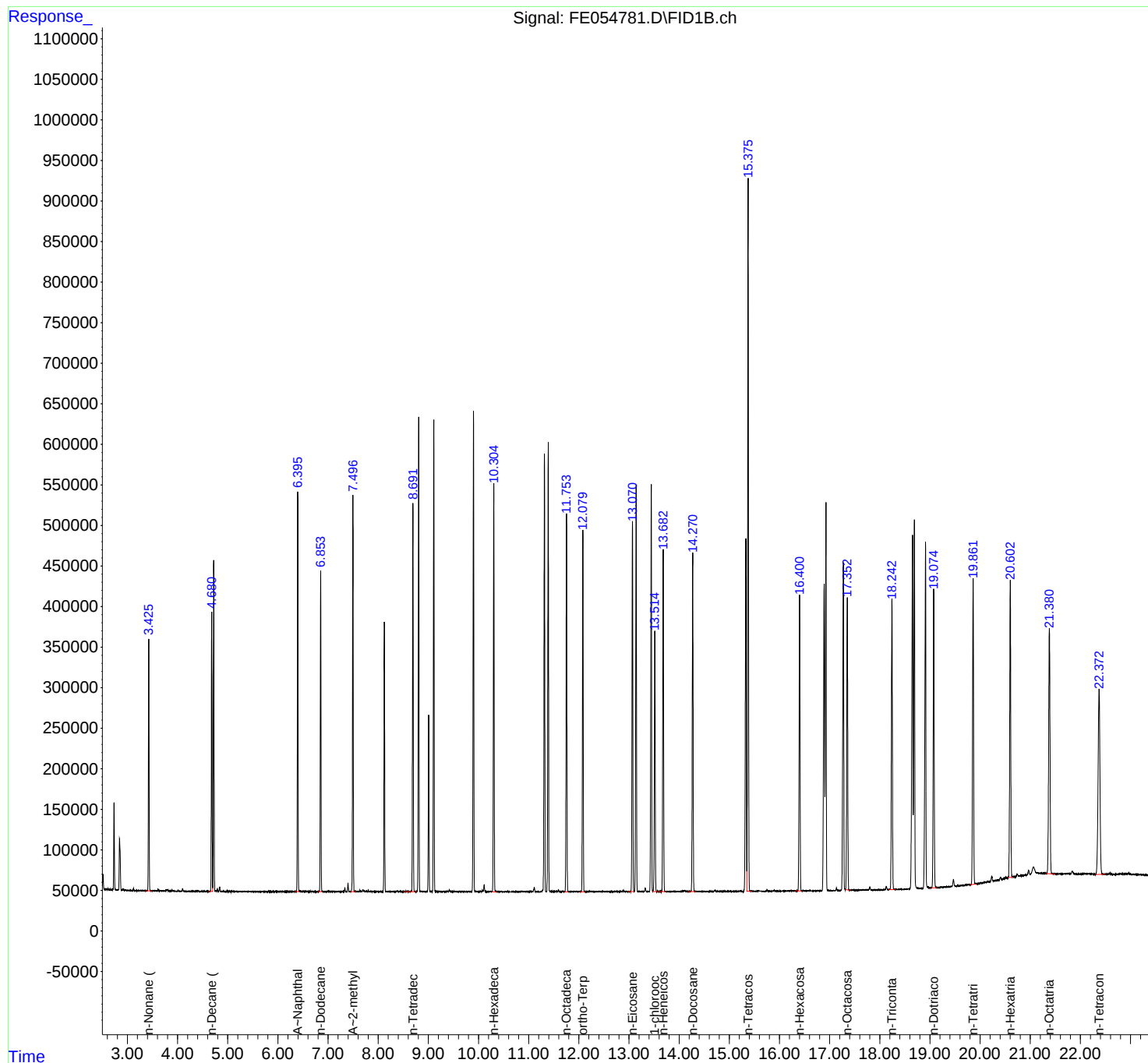
Response via : Initial Calibration

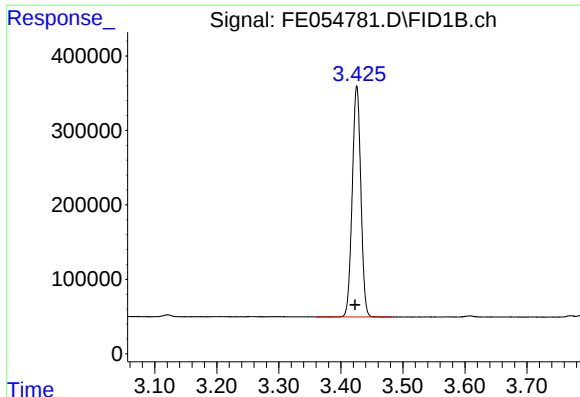
Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um





#1 n-Nonane (C9)

R.T.: 3.426 min
Delta R.T.: 0.003 min
Response: 2990063
Conc: 22.23 ug/ml

Instrument :

FID_E

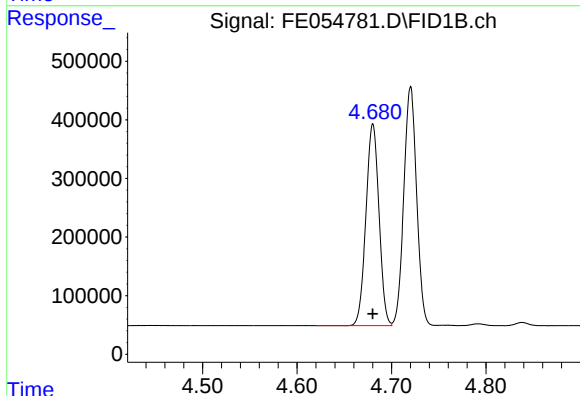
ClientSampleId :

PB168786BS

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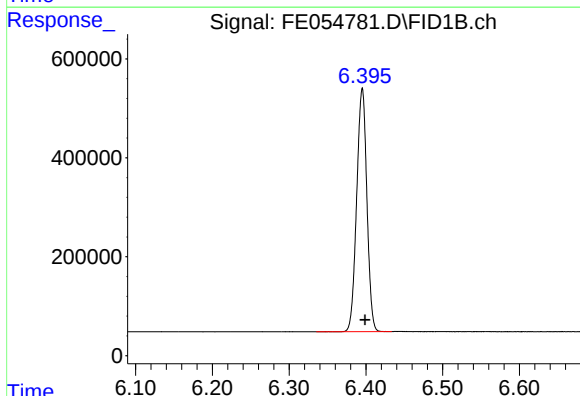
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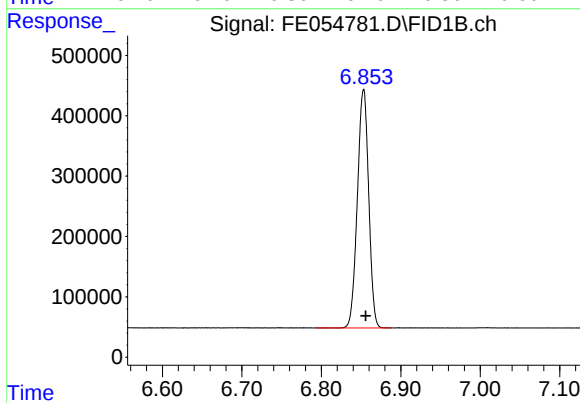
#2 n-Decane (C10)

R.T.: 4.680 min
Delta R.T.: 0.000 min
Response: 3309331
Conc: 24.25 ug/ml



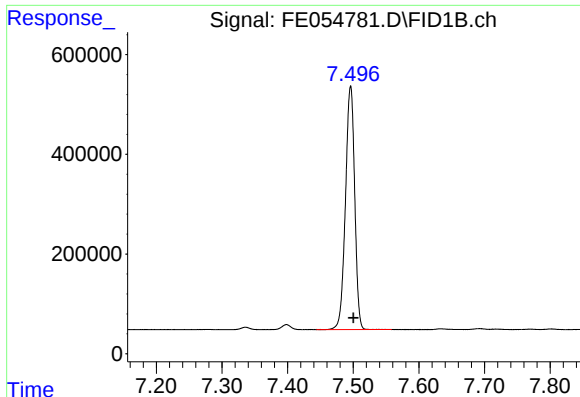
#3 A~Naphthalene (C11.7)

R.T.: 6.395 min
Delta R.T.: -0.004 min
Response: 4552588
Conc: 30.07 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.853 min
Delta R.T.: -0.003 min
Response: 3908315
Conc: 28.48 ug/ml



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

R.T.: 7.496 min
Delta R.T.: -0.005 min
Response: 4775028
Conc: 32.48 ug/ml

Instrument :

FID_E

ClientSampleId :

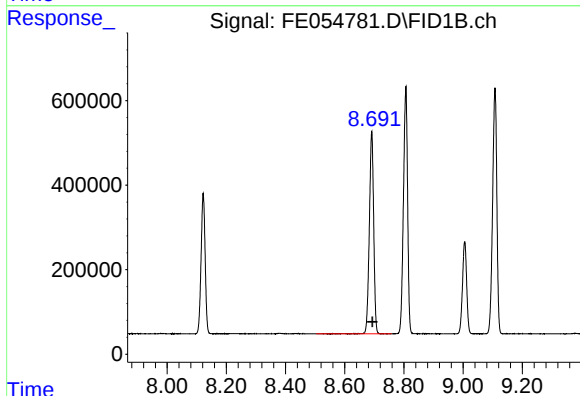
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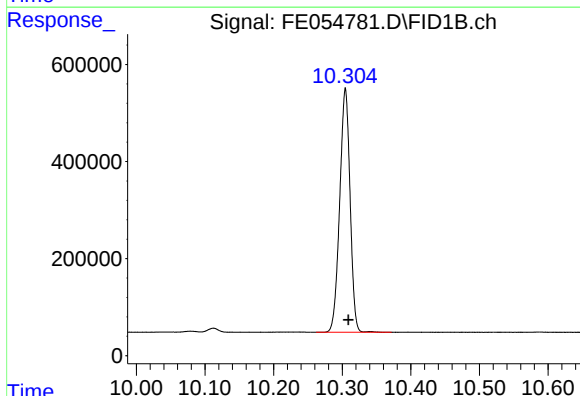
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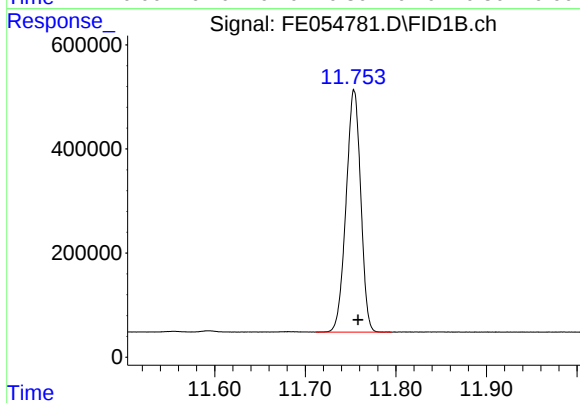
#6 n-Tetradecane (C14)

R.T.: 8.691 min
Delta R.T.: -0.002 min
Response: 4868025
Conc: 35.12 ug/ml



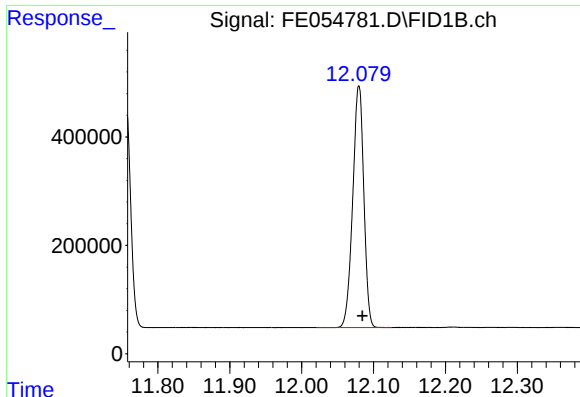
#7 n-Hexadecane (C16)

R.T.: 10.305 min
Delta R.T.: -0.004 min
Response: 5258299
Conc: 36.90 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.754 min
Delta R.T.: -0.005 min
Response: 5218990
Conc: 35.61 ug/ml



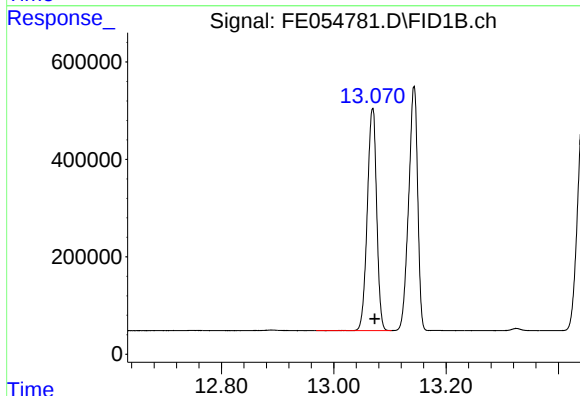
#9 ortho-Terphenyl (SURR)

R.T.: 12.080 min
Delta R.T.: -0.005 min
Response: 4773301
Conc: 29.39 ug/ml

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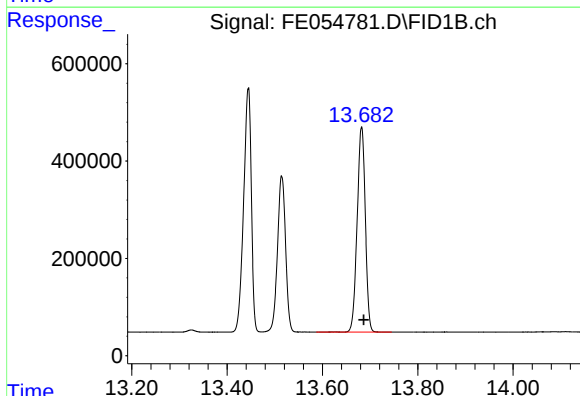
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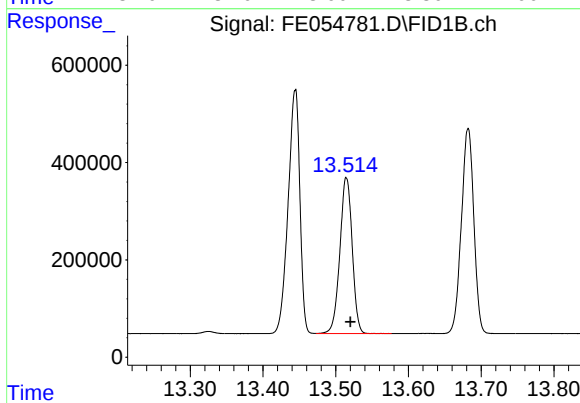
#10 n-Eicosane (C20)

R.T.: 13.069 min
Delta R.T.: -0.004 min
Response: 5270148
Conc: 36.65 ug/ml



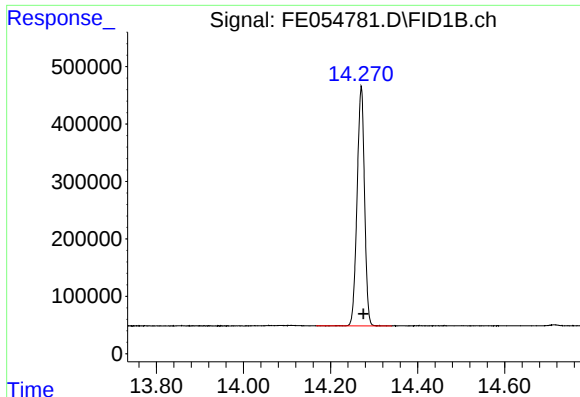
#11 n-Heneicosane (C21)

R.T.: 13.682 min
Delta R.T.: -0.004 min
Response: 5022962
Conc: 35.17 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.515 min
Delta R.T.: -0.005 min
Response: 3784010
Conc: 29.96 ug/ml



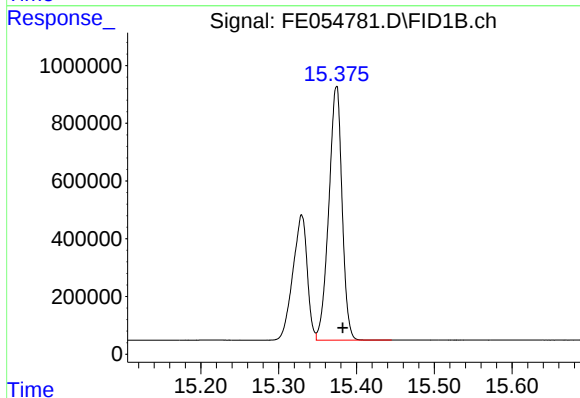
#13 n-Docosane (C22)

R.T.: 14.270 min
Delta R.T.: -0.005 min
Response: 4946850
Conc: 34.64 ug/ml

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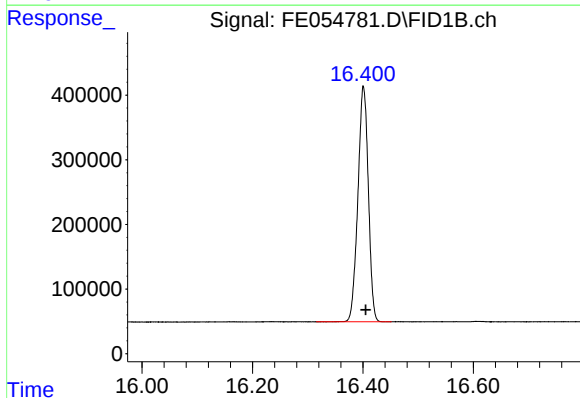
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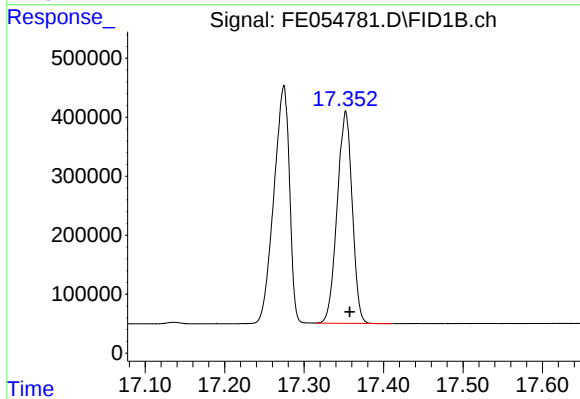
#14 n-Tetracosane (C24)

R.T.: 15.374 min
Delta R.T.: -0.008 min
Response: 10413306
Conc: 71.64 ug/ml



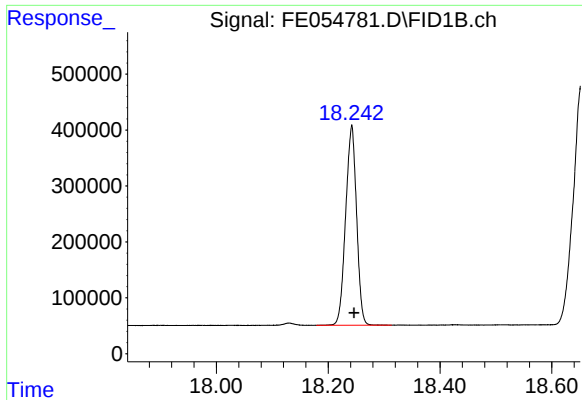
#15 n-Hexacosane (C26)

R.T.: 16.401 min
Delta R.T.: -0.004 min
Response: 4779086
Conc: 33.02 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.352 min
Delta R.T.: -0.005 min
Response: 4724097
Conc: 32.41 ug/ml



#17 n-Tricontane (C30)

R.T.: 18.242 min
Delta R.T.: -0.005 min
Response: 4846486
Conc: 30.75 ug/ml

Instrument :

FID_E

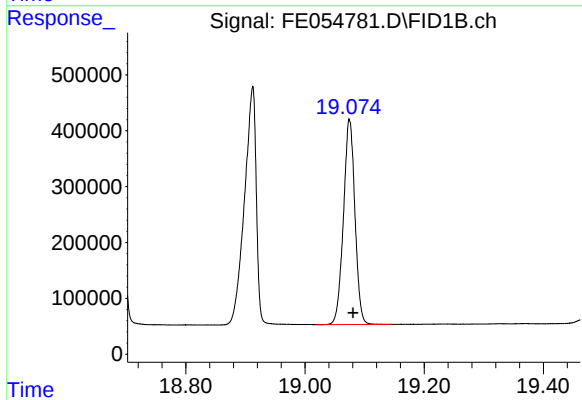
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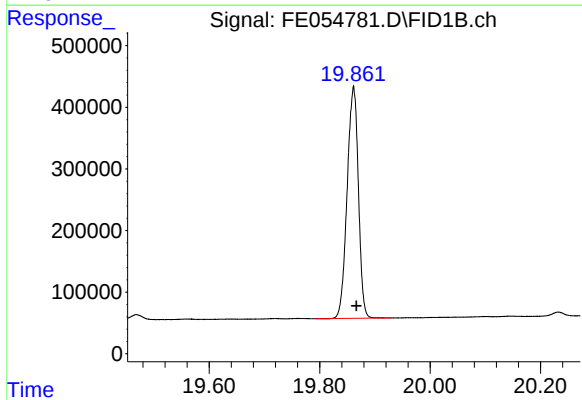
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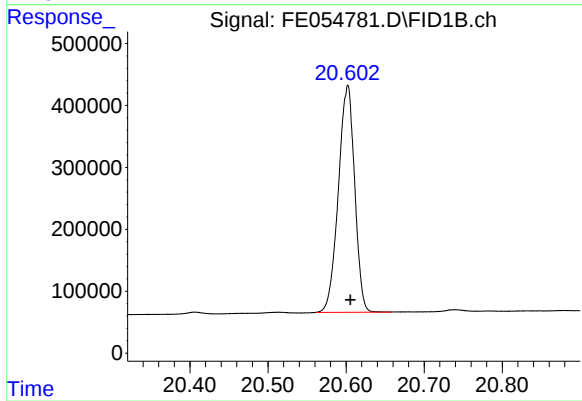
#18 n-Dotriacontane (C32)

R.T.: 19.075 min
Delta R.T.: -0.006 min
Response: 4917394
Conc: 30.39 ug/ml



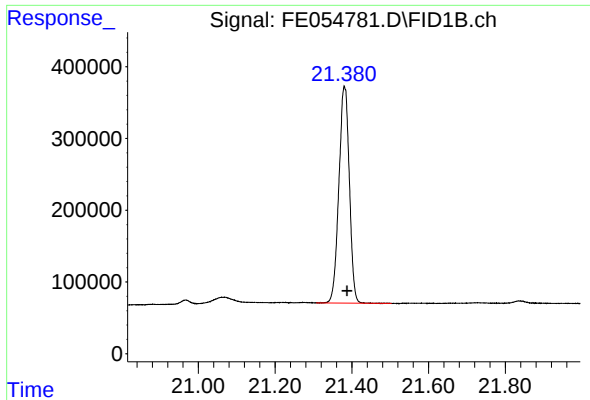
#19 n-Tetratriacontane (C34)

R.T.: 19.861 min
Delta R.T.: -0.005 min
Response: 5317786
Conc: 34.90 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.602 min
Delta R.T.: -0.003 min
Response: 5325146
Conc: 39.61 ug/ml m



#21 n-Octatriacontane (C38)

R.T.: 21.381 min
Delta R.T.: -0.007 min
Response: 5713657
Conc: 48.72 ug/ml

Instrument :

FID_E

ClientSampleId :

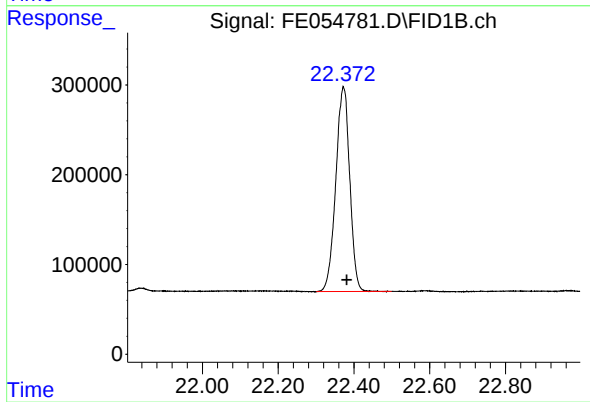
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#22 n-Tetracontane (C40)

R.T.: 22.372 min
Delta R.T.: -0.008 min
Response: 5827322
Conc: 53.77 ug/ml