

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE071025AL\
 Data File : FE054782.D
 Signal(s) : FID1B.ch
 Acq On : 10 Jul 2025 16:21
 Operator : YP\AJ
 Sample : PB168786BSD
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 PB168786BSD

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 06:28:18 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)	12.079	4642107	28.585 ug/ml
Spiked Amount 50.000		Recovery =	57.17%
12) S 1-chlorooctadecane (S...	13.516	3680696	29.144 ug/ml
Spiked Amount 50.000		Recovery =	58.29%
Target Compounds			
1) T n-Nonane (C9)	3.425	2903301	21.584 ug/ml
2) T n-Decane (C10)	4.680	3214426	23.558 ug/ml
3) T A~Naphthalene (C11.7)	6.394	4419626	29.189 ug/ml
4) T n-Dodecane (C12)	6.852	3797100	27.674 ug/ml
5) T A~2-methylnaphthalene...	7.495	4637921	31.550 ug/ml
6) T n-Tetradecane (C14)	8.690	4717260	34.029 ug/ml
7) T n-Hexadecane (C16)	10.305	5108949	35.850 ug/ml
8) T n-Octadecane (C18)	11.754	5071111	34.602 ug/ml
10) T n-Eicosane (C20)	13.069	5131802	35.689 ug/ml
11) T n-Heneicosane (C21)	13.682	4881942	34.179 ug/ml
13) T n-Docosane (C22)	14.271	4817681	33.740 ug/ml
14) T n-Tetracosane (C24)	15.374	10139635	69.753 ug/ml
15) T n-Hexacosane (C26)	16.402	4655159	32.168 ug/ml
16) T n-Octacosane (C28)	17.351	4603623	31.588 ug/ml
17) T n-Tricontane (C30)	18.242	4721302	29.961 ug/ml
18) T n-Dotriacontane (C32)	19.075	4790837	29.612 ug/ml
19) T n-Tetratriacontane (C34)	19.860	5183128	34.012 ug/ml
20) T n-Hexatriacontane (C36)	20.601	5193808	38.628 ug/mlm
21) T n-Octatriacontane (C38)	21.380	5592042	47.680 ug/ml
22) T n-Tetracontane (C40)	22.372	5673991	52.351 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Misc :
ALS Vial : 18 Sample Multiplier: 1

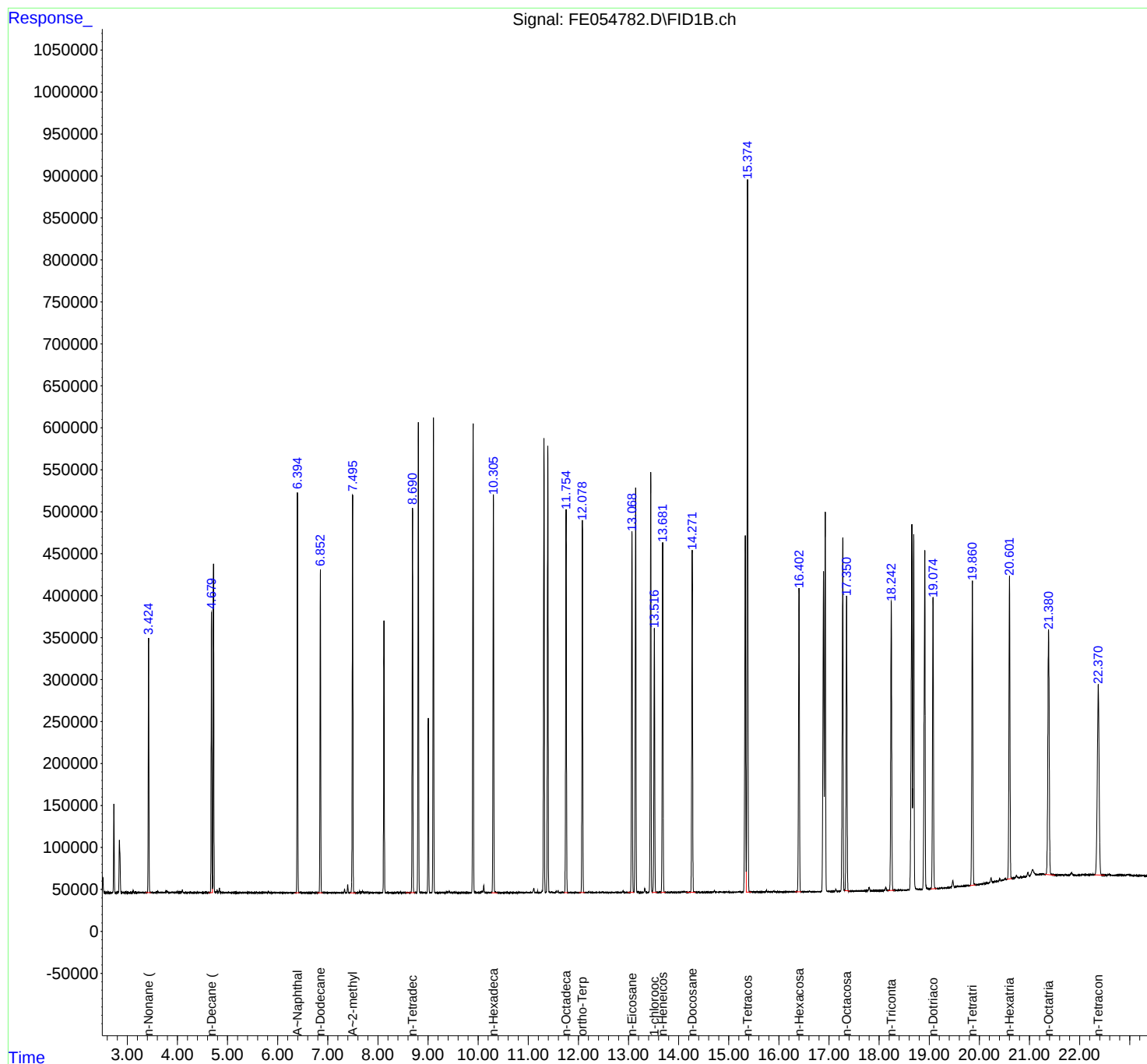
Instrument :
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PB168786BSD

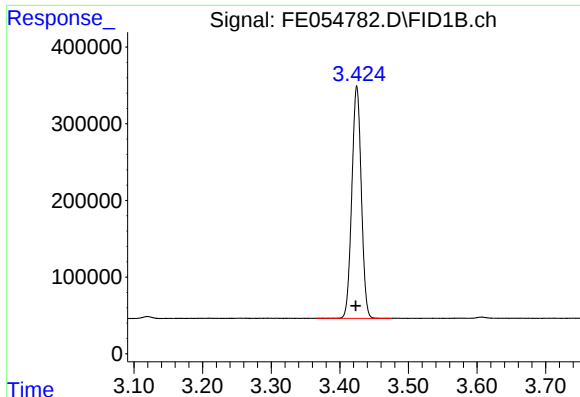
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#1 n-Nonane (C9)

R.T.: 3.425 min
Delta R.T.: 0.002 min
Response: 2903301
Conc: 21.58 ug/ml

Instrument :

FID_E

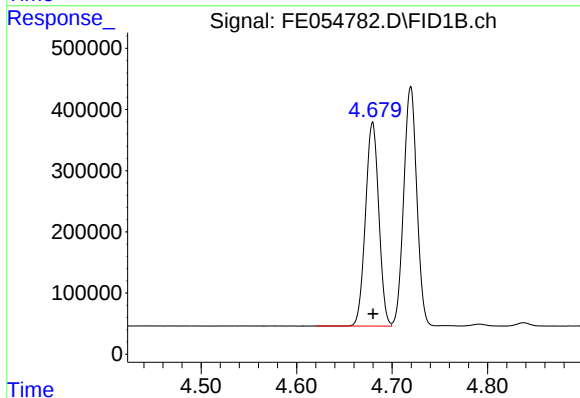
ClientSampleId :

PB168786BSD

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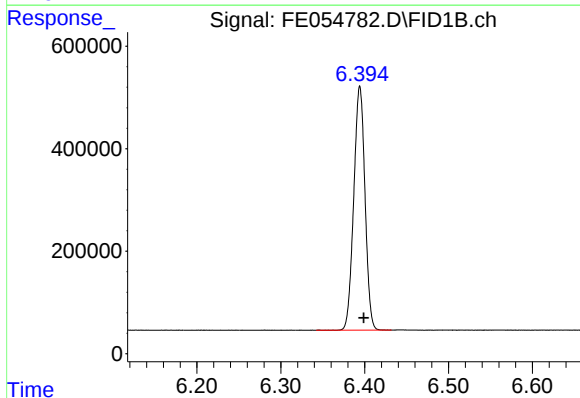
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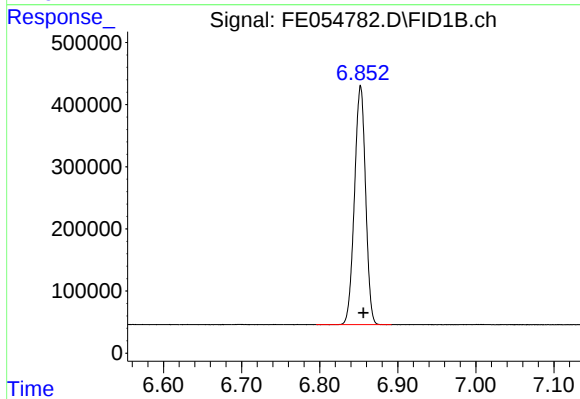
#2 n-Decane (C10)

R.T.: 4.680 min
Delta R.T.: 0.000 min
Response: 3214426
Conc: 23.56 ug/ml



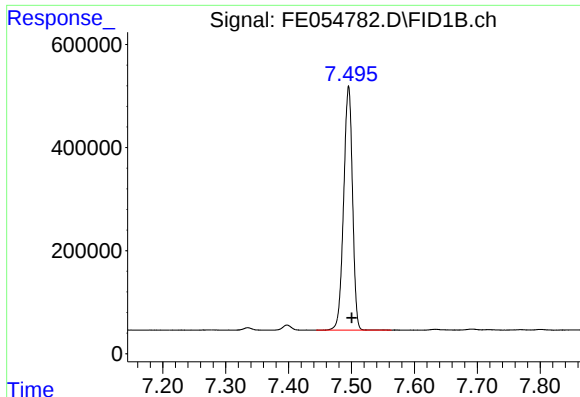
#3 A~Naphthalene (C11.7)

R.T.: 6.394 min
Delta R.T.: -0.005 min
Response: 4419626
Conc: 29.19 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.852 min
Delta R.T.: -0.004 min
Response: 3797100
Conc: 27.67 ug/ml



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

R.T.: 7.495 min
Delta R.T.: -0.005 min
Response: 4637921
Conc: 31.55 ug/ml

Instrument :

FID_E

ClientSampleId :

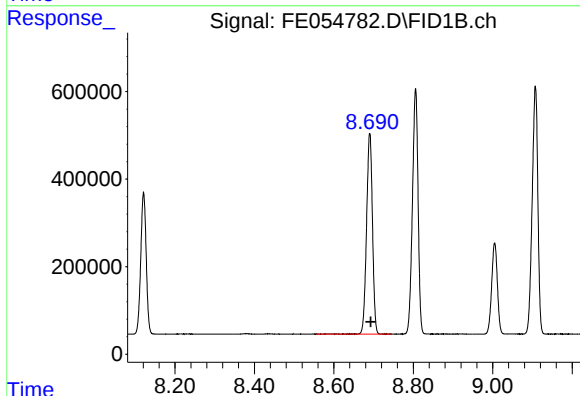
PB168786BSD

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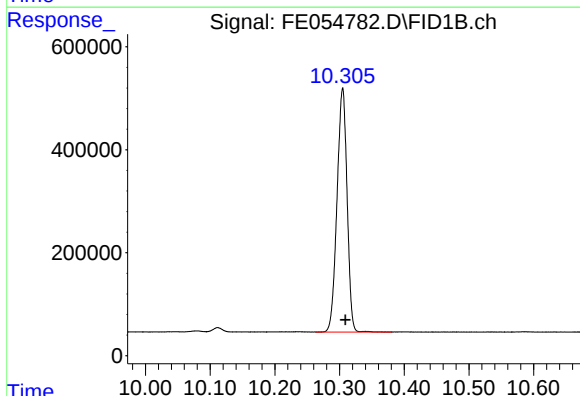
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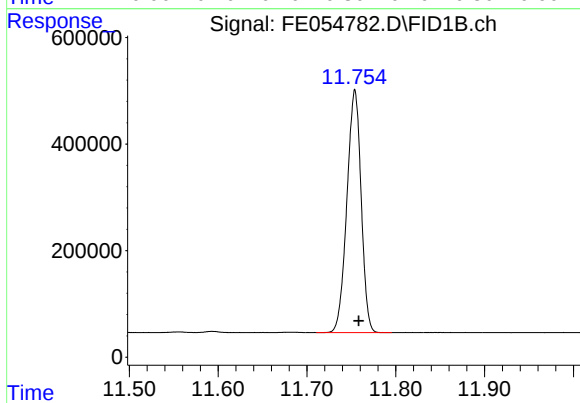
#6 n-Tetradecane (C14)

R.T.: 8.690 min
Delta R.T.: -0.003 min
Response: 4717260
Conc: 34.03 ug/ml



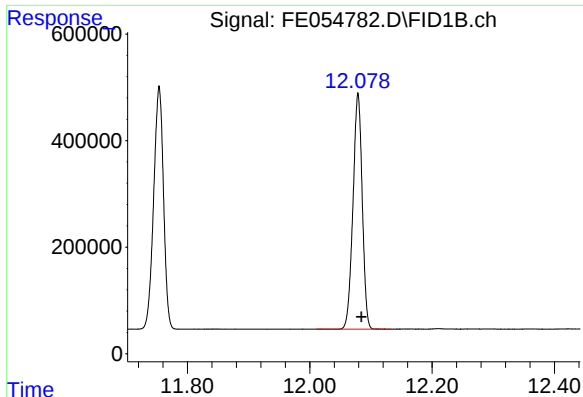
#7 n-Hexadecane (C16)

R.T.: 10.305 min
Delta R.T.: -0.004 min
Response: 5108949
Conc: 35.85 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.754 min
Delta R.T.: -0.005 min
Response: 5071111
Conc: 34.60 ug/ml



#9 ortho-Terphenyl (SURR)

R.T.: 12.079 min
Delta R.T.: -0.006 min
Response: 4642107
Conc: 28.59 ug/ml

Instrument :

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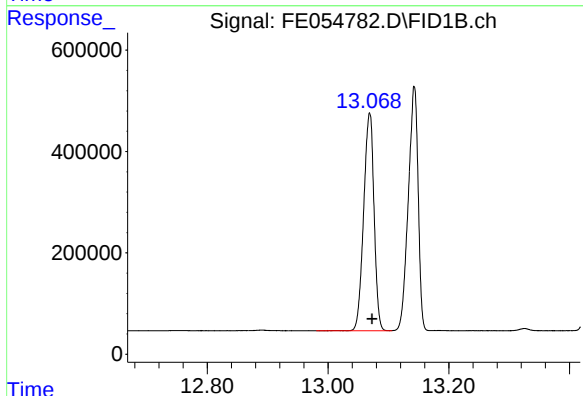
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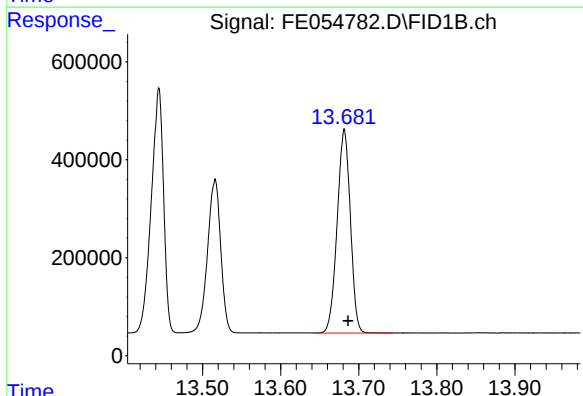
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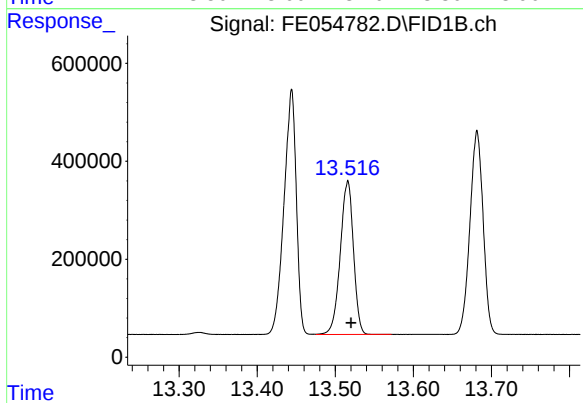
#10 n-Eicosane (C20)

R.T.: 13.069 min
Delta R.T.: -0.004 min
Response: 5131802
Conc: 35.69 ug/ml



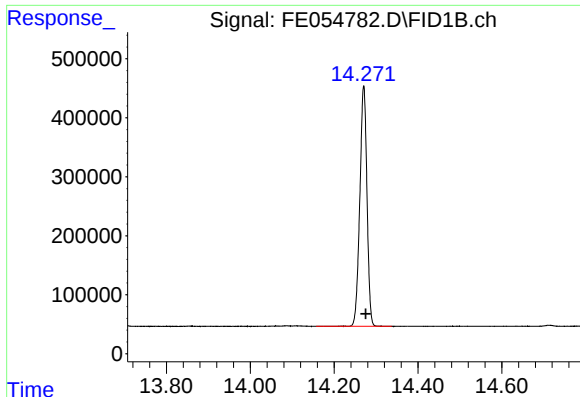
#11 n-Heneicosane (C21)

R.T.: 13.682 min
Delta R.T.: -0.005 min
Response: 4881942
Conc: 34.18 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.516 min
Delta R.T.: -0.004 min
Response: 3680696
Conc: 29.14 ug/ml



#13 n-Docosane (C22)

R.T.: 14.271 min
Delta R.T.: -0.005 min
Response: 4817681
Conc: 33.74 ug/ml

Instrument :

FID_E

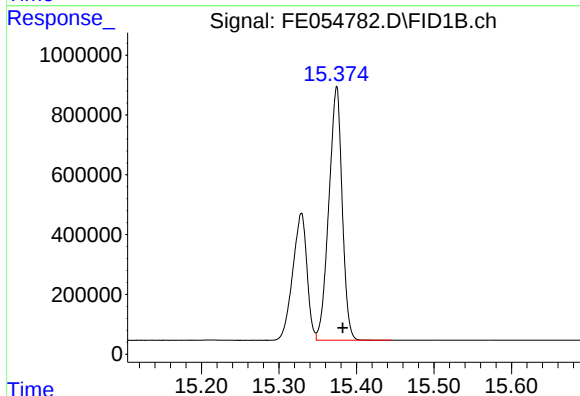
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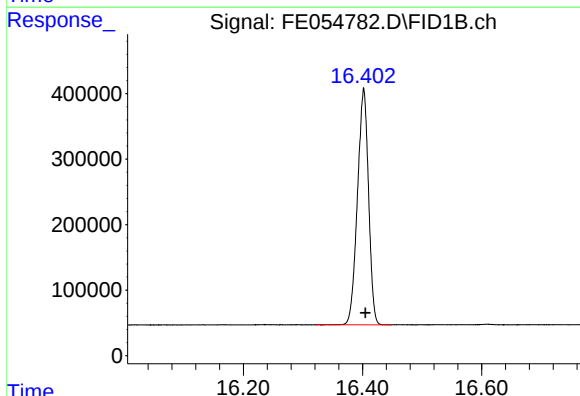
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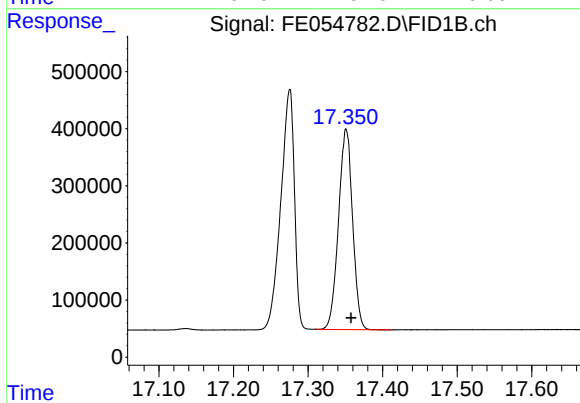
#14 n-Tetracosane (C24)

R.T.: 15.374 min
Delta R.T.: -0.008 min
Response: 10139635
Conc: 69.75 ug/ml



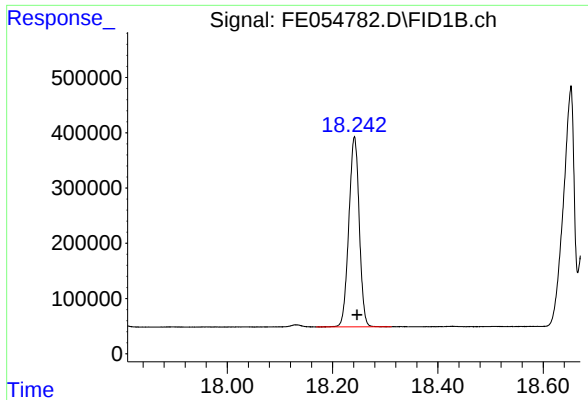
#15 n-Hexacosane (C26)

R.T.: 16.402 min
Delta R.T.: -0.003 min
Response: 4655159
Conc: 32.17 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.351 min
Delta R.T.: -0.006 min
Response: 4603623
Conc: 31.59 ug/ml



#17 n-Tricontane (C30)

R.T.: 18.242 min
Delta R.T.: -0.005 min
Response: 4721302
Conc: 29.96 ug/ml

Instrument :

FID_E

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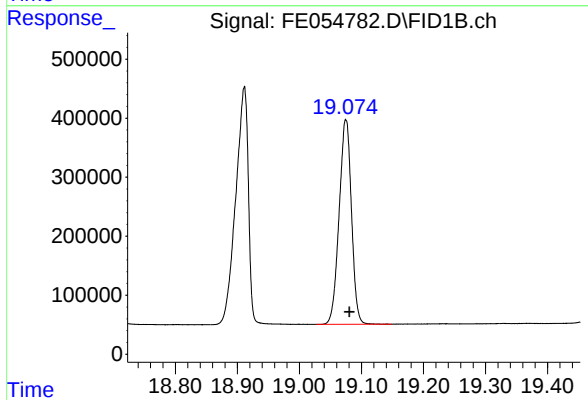
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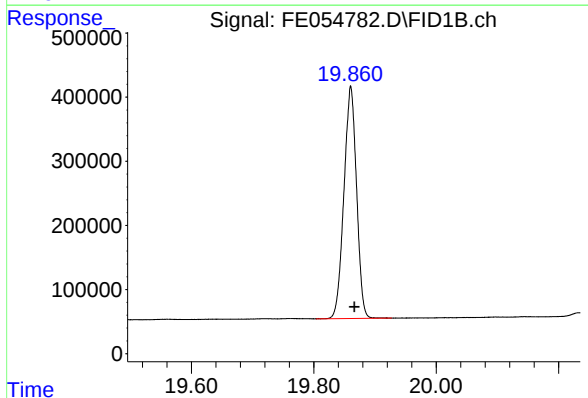
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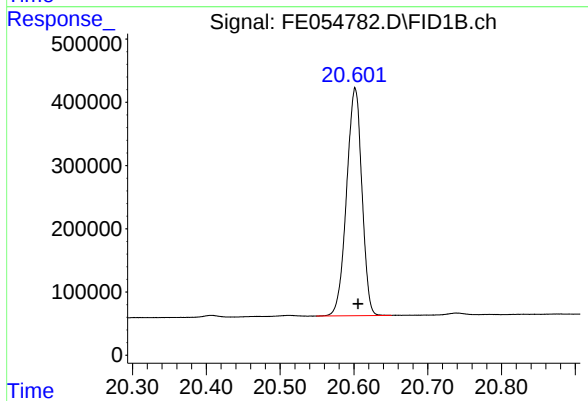
#18 n-Dotriacontane (C32)

R.T.: 19.075 min
Delta R.T.: -0.006 min
Response: 4790837
Conc: 29.61 ug/ml



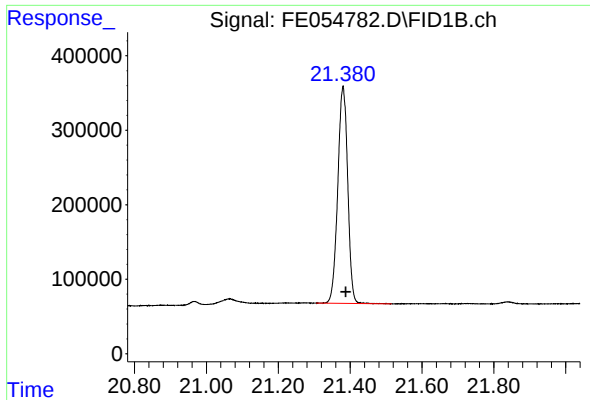
#19 n-Tetratriacontane (C34)

R.T.: 19.860 min
Delta R.T.: -0.006 min
Response: 5183128
Conc: 34.01 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.601 min
Delta R.T.: -0.005 min
Response: 5193808
Conc: 38.63 ug/ml m



#21 n-Octatriacontane (C38)

R.T.: 21.380 min
Delta R.T.: -0.008 min
Response: 5592042
Conc: 47.68 ug/ml

Instrument :

FID_E

ClientSampleId :

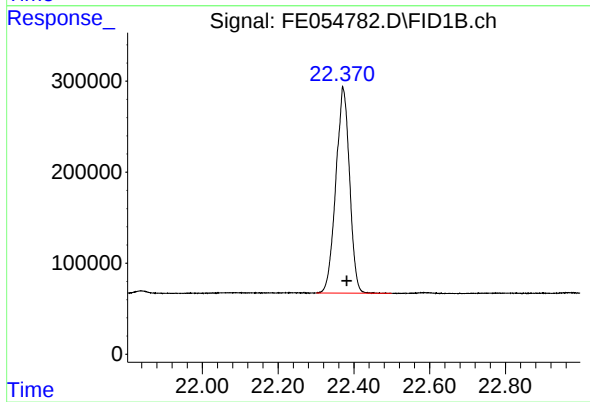
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#22 n-Tetracontane (C40)

R.T.: 22.372 min
Delta R.T.: -0.009 min
Response: 5673991
Conc: 52.35 ug/ml