

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061725AL\
 Data File : FE054462.D
 Signal(s) : FID1B.ch
 Acq On : 18 Jun 2025 01:04
 Operator : YP\AJ
 Sample : Q2339-01MS
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

MH-CMS

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 02:15:42 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)	11.827	4776834	28.909 ug/ml
Spiked Amount 50.000		Recovery =	57.82%
12) S 1-chlorooctadecane (S...	13.270	4023786	32.996 ug/mlm
Spiked Amount 50.000		Recovery =	65.99%
Target Compounds			
1) T n-Nonane (C9)	3.175	3309361	26.650 ug/ml
2) T n-Decane (C10)	4.438	3605242	29.015 ug/ml
3) T A~Naphthalene (C11.7)	6.152	4592678	33.984 ug/ml
4) T n-Dodecane (C12)	6.619	3937856	30.926 ug/ml
5) T A~2-methylnaphthalene...	7.254	4318664	32.605 ug/ml
6) T n-Tetradecane (C14)	8.454	4154896	32.093 ug/ml
7) T n-Hexadecane (C16)	10.066	4507738	33.934 ug/ml
8) T n-Octadecane (C18)	11.513	4788957	35.465 ug/ml
10) T n-Eicosane (C20)	12.826	5051596	37.761 ug/ml
11) T n-Heneicosane (C21)	13.440	4843273	36.424 ug/ml
13) T n-Docosane (C22)	14.026	4805596	36.650 ug/ml
14) T n-Tetracosane (C24)	15.128	10375359	80.433 ug/ml
15) T n-Hexacosane (C26)	16.156	4626860	36.859 ug/ml
16) T n-Octacosane (C28)	17.107	4739044	38.645 ug/mlm
17) T n-Tricontane (C30)	17.996	4557316	36.770 ug/ml
18) T n-Dotriacontane (C32)	18.829	4578119	36.437 ug/ml
19) T n-Tetratriacontane (C34)	19.614	4676759	37.592 ug/ml
20) T n-Hexatriacontane (C36)	20.354	4717459	36.646 ug/ml
21) T n-Octatriacontane (C38)	21.082	4823017	36.527 ug/ml
22) T n-Tetracontane (C40)	21.970	4640430	34.449 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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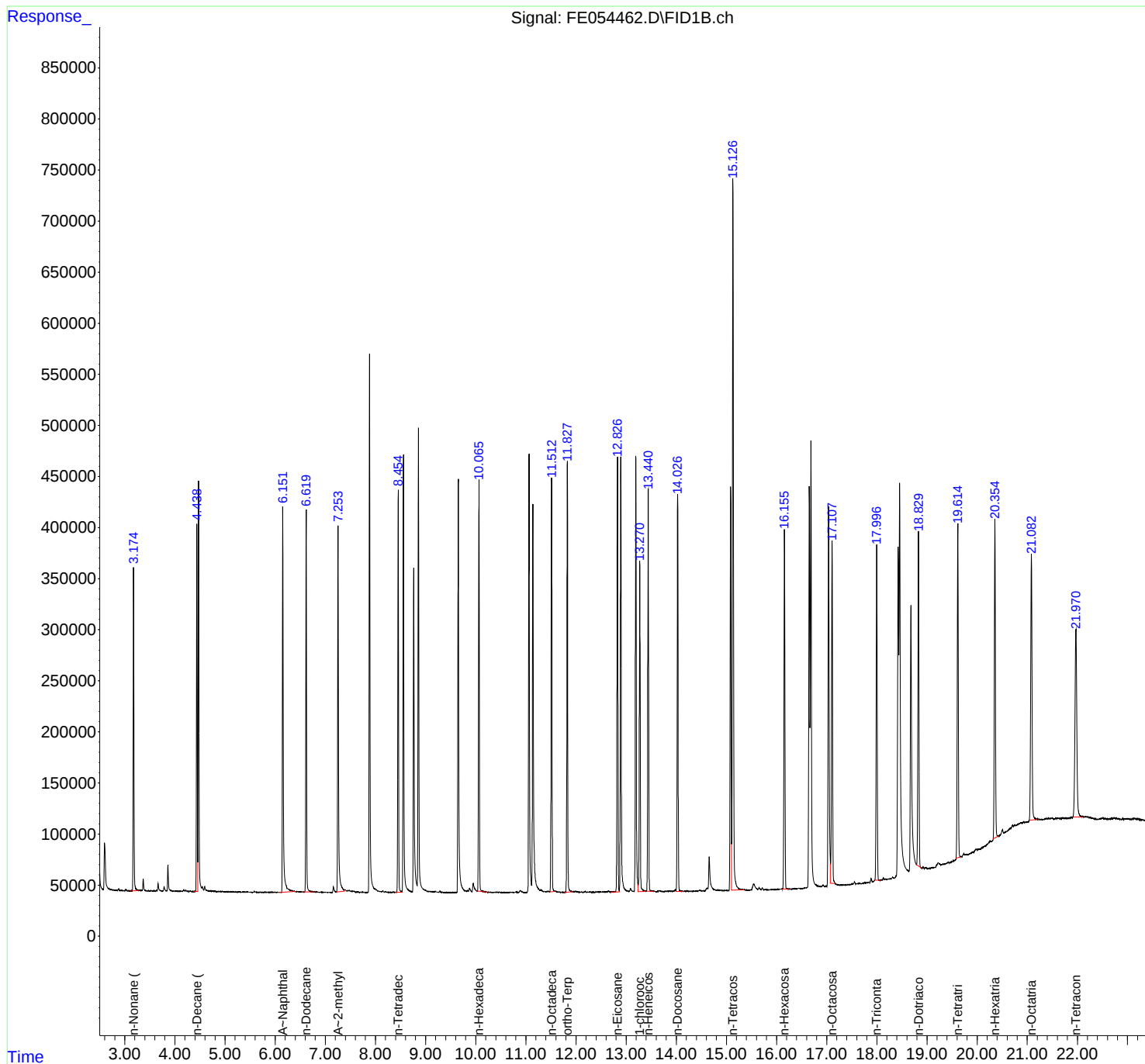
Response via : Initial Calibration

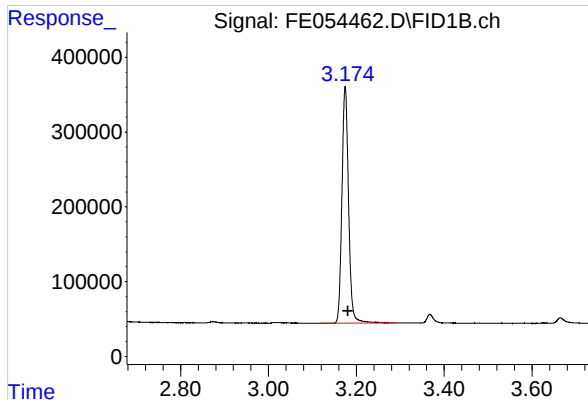
Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um





#1 n-Nonane (C9)

R.T.: 3.175 min
Delta R.T.: -0.006 min
Response: 3309361
Conc: 26.65 ug/ml

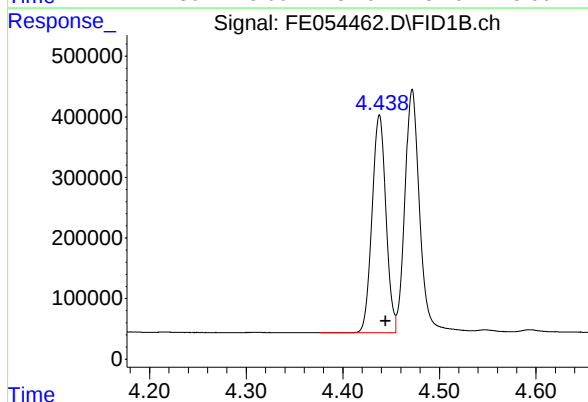
Instrument :

FID_E

ClientSampleId :
MH-CMS

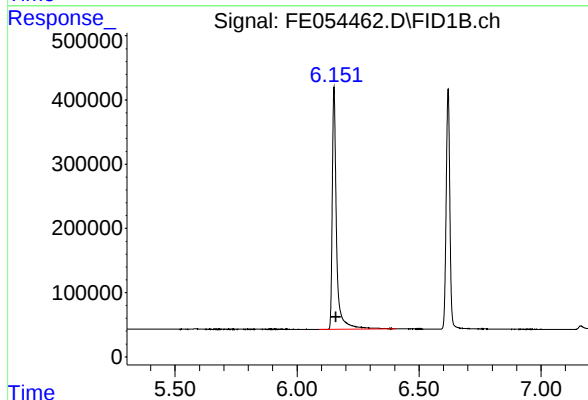
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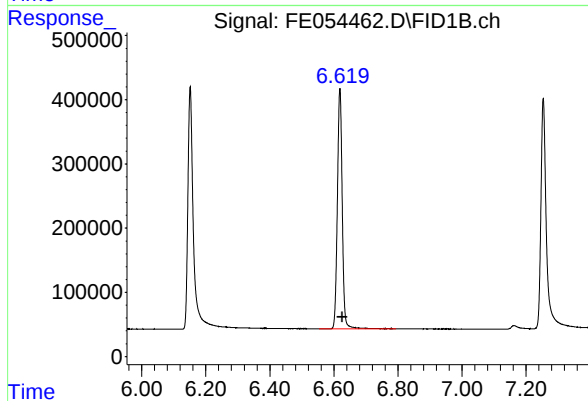
#2 n-Decane (C10)

R.T.: 4.438 min
Delta R.T.: -0.006 min
Response: 3605242
Conc: 29.02 ug/ml



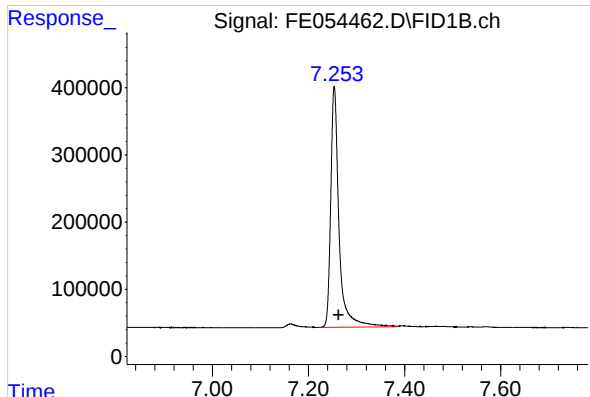
#3 A~Naphthalene (C11.7)

R.T.: 6.152 min
Delta R.T.: -0.009 min
Response: 4592678
Conc: 33.98 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.619 min
Delta R.T.: -0.008 min
Response: 3937856
Conc: 30.93 ug/ml



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

R.T.: 7.254 min
Delta R.T.: -0.009 min
Response: 4318664
Conc: 32.61 ug/ml

Instrument :

FID_E

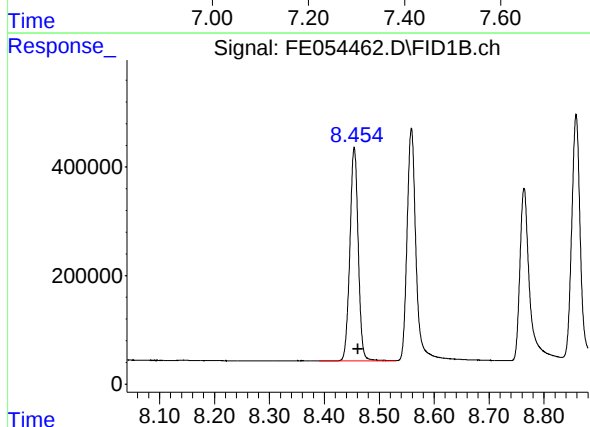
ClientSampleId :

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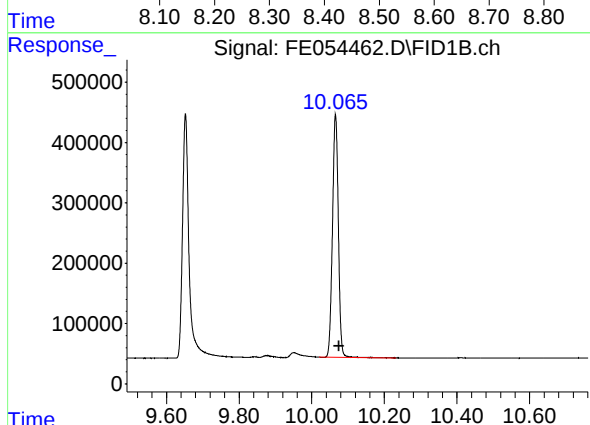
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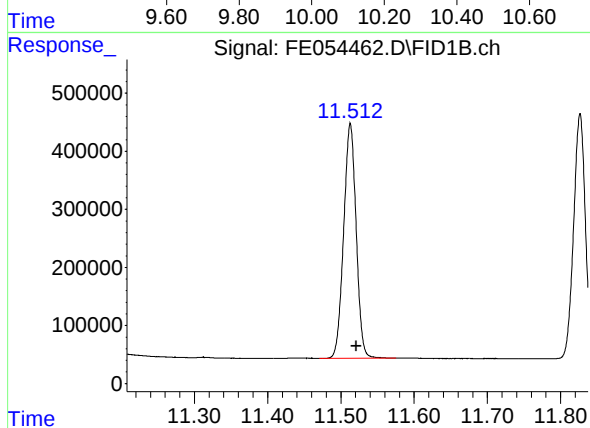
#6 n-Tetradecane (C14)

R.T.: 8.454 min
Delta R.T.: -0.007 min
Response: 4154896
Conc: 32.09 ug/ml



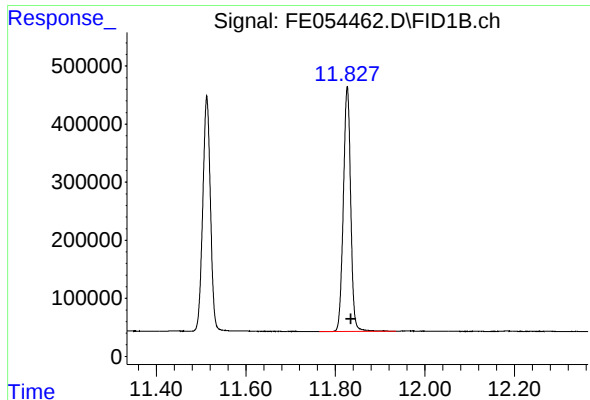
#7 n-Hexadecane (C16)

R.T.: 10.066 min
Delta R.T.: -0.009 min
Response: 4507738
Conc: 33.93 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.513 min
Delta R.T.: -0.008 min
Response: 4788957
Conc: 35.47 ug/ml



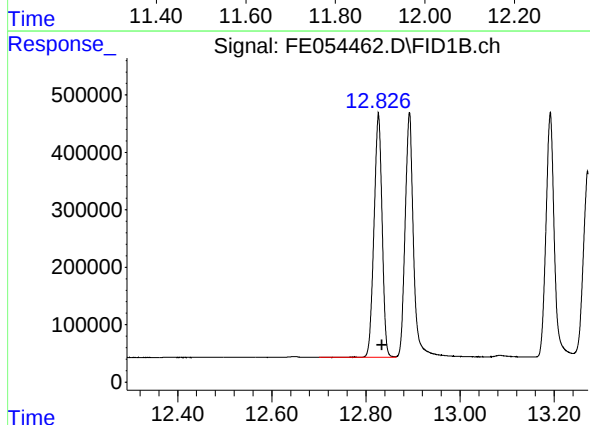
#9 ortho-Terphenyl (SURR)

R.T.: 11.827 min
Delta R.T.: -0.008 min
Response: 4776834
Conc: 28.91 ug/ml

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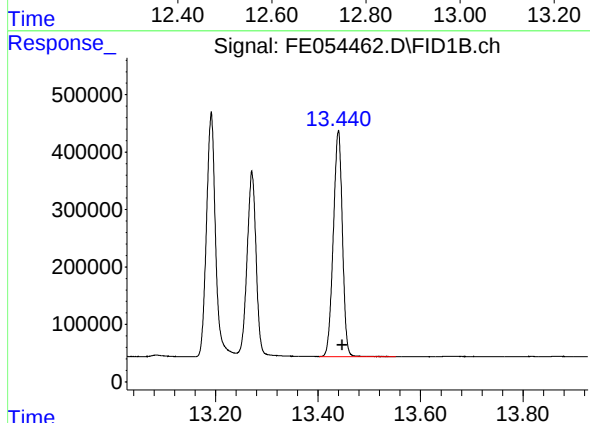
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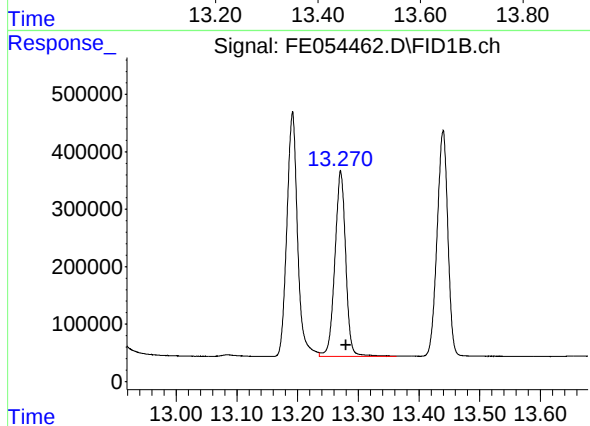
#10 n-Eicosane (C20)

R.T.: 12.826 min
Delta R.T.: -0.008 min
Response: 5051596
Conc: 37.76 ug/ml



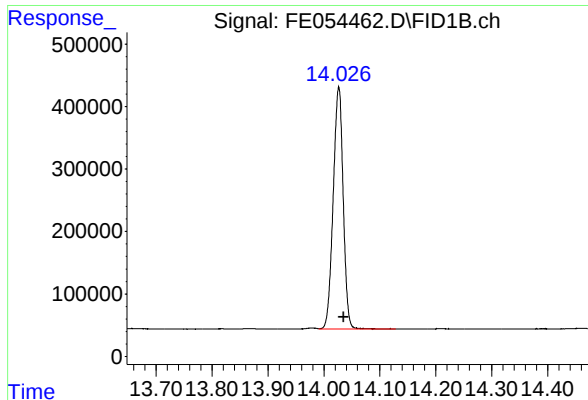
#11 n-Heneicosane (C21)

R.T.: 13.440 min
Delta R.T.: -0.008 min
Response: 4843273
Conc: 36.42 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.270 min
Delta R.T.: -0.009 min
Response: 4023786
Conc: 33.00 ug/ml m



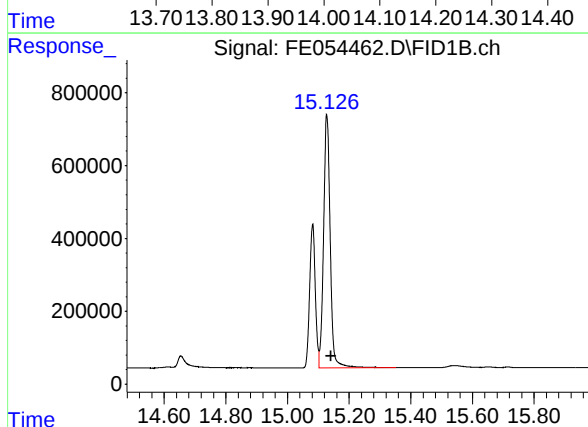
#13 n-Docosane (C22)

R.T.: 14.026 min
Delta R.T.: -0.009 min
Response: 4805596
Conc: 36.65 ug/ml

Instrument :
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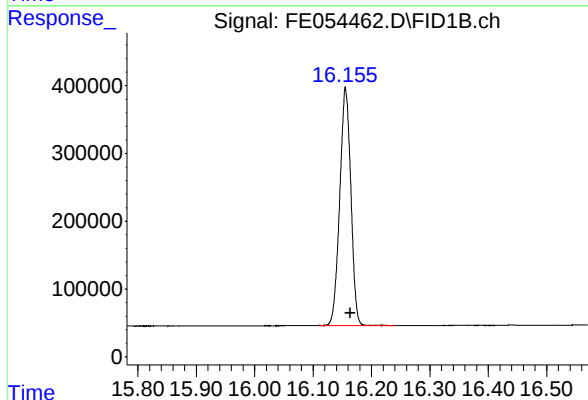
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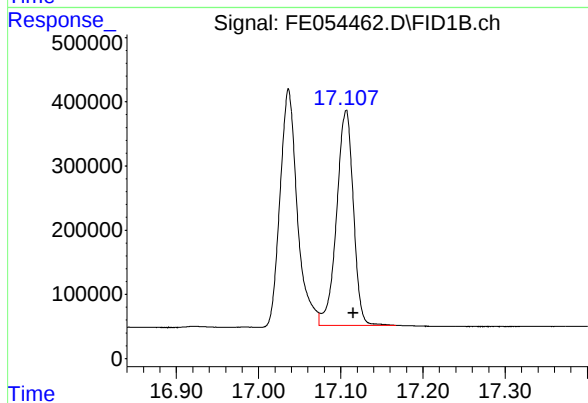
#14 n-Tetracosane (C24)

R.T.: 15.128 min
Delta R.T.: -0.014 min
Response: 10375359
Conc: 80.43 ug/ml



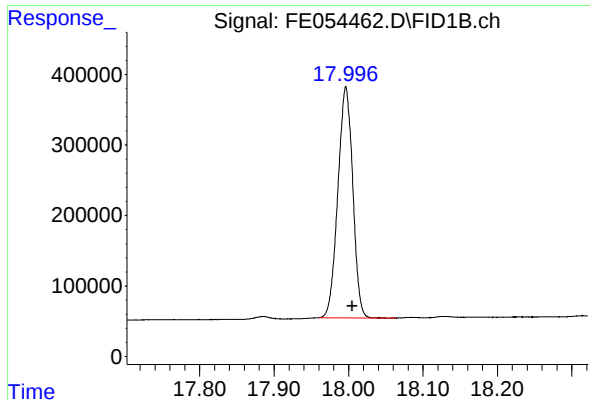
#15 n-Hexacosane (C26)

R.T.: 16.156 min
Delta R.T.: -0.008 min
Response: 4626860
Conc: 36.86 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.107 min
Delta R.T.: -0.008 min
Response: 4739044
Conc: 38.64 ug/ml m



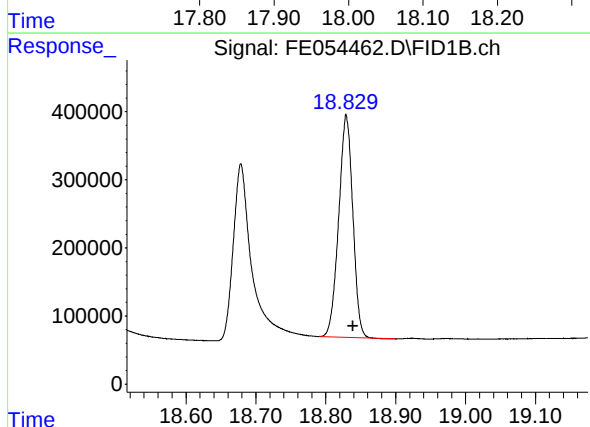
#17 n-Tricontane (C30)

R.T.: 17.996 min
Delta R.T.: -0.009 min
Response: 4557316
Conc: 36.77 ug/ml

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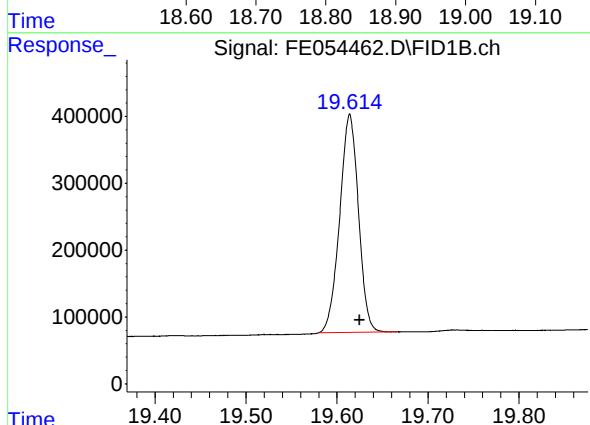
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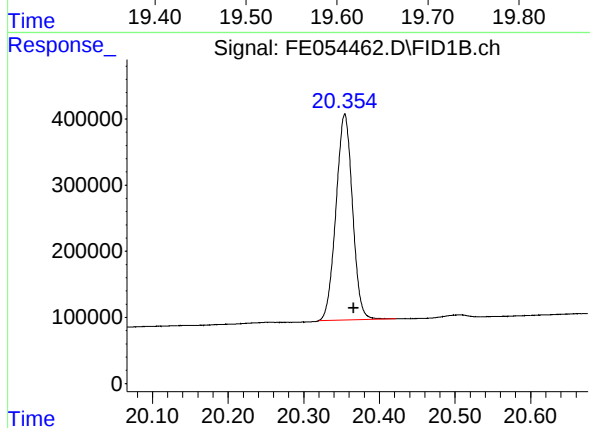
#18 n-Dotriacontane (C32)

R.T.: 18.829 min
Delta R.T.: -0.010 min
Response: 4578119
Conc: 36.44 ug/ml



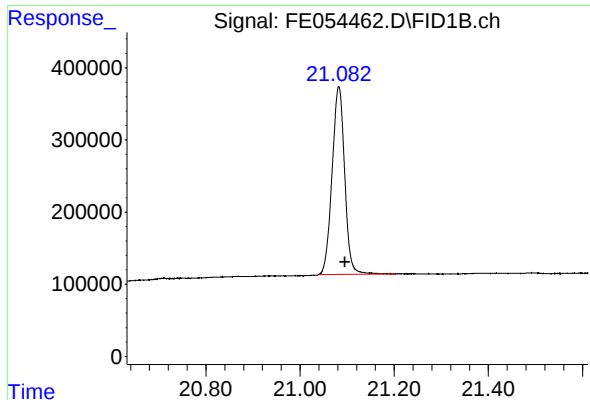
#19 n-Tetratriacontane (C34)

R.T.: 19.614 min
Delta R.T.: -0.011 min
Response: 4676759
Conc: 37.59 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.354 min
Delta R.T.: -0.012 min
Response: 4717459
Conc: 36.65 ug/ml



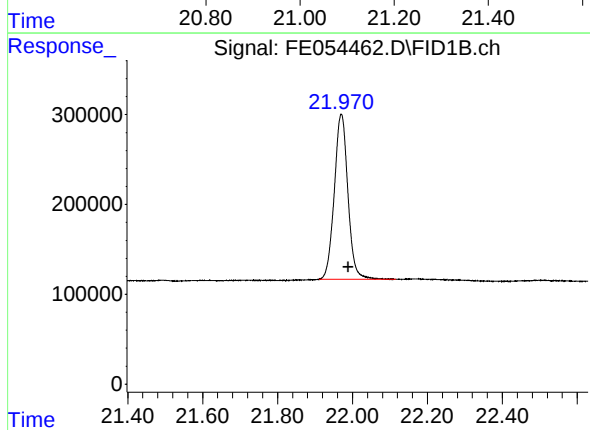
#21 n-Octatriacontane (C38)

R.T.: 21.082 min
Delta R.T.: -0.013 min
Response: 4823017
Conc: 36.53 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.970 min
Delta R.T.: -0.018 min
Response: 4640430
Conc: 34.45 ug/ml m