

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE043025AL\
 Data File : FE053595.D
 Signal(s) : FID1B.ch
 Acq On : 30 Apr 2025 19:13
 Operator : YP\AJ
 Sample : Q1912-05MS
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

MH-FMS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/01/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File: autoint1.e

Quant Time: May 01 01:49:40 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M

Quant Title : GC Extractables

QLast Update : Tue Apr 29 06:49:03 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)	11.869	5404779	29.966 ug/ml
Spiked Amount 50.000		Recovery =	59.93%
12) S 1-chlorooctadecane (S...	13.312	4265896	31.558 ug/mlm
Spiked Amount 50.000		Recovery =	63.12%
Target Compounds			
1) T n-Nonane (C9)	3.217	3379476	24.649 ug/ml
2) T n-Decane (C10)	4.477	3732400	26.981 ug/ml
3) T A~Naphthalene (C11.7)	6.187	4732907	31.355 ug/ml
4) T n-Dodecane (C12)	6.656	4139060	29.512 ug/ml
5) T A~2-methylnaphthalene...	7.290	4982641	33.373 ug/ml
6) T n-Tetradecane (C14)	8.493	4823042	34.379 ug/ml
7) T n-Hexadecane (C16)	10.105	5502450	38.392 ug/ml
8) T n-Octadecane (C18)	11.554	5236773	35.934 ug/mlm
10) T n-Eicosane (C20)	12.869	6496450	44.645 ug/ml
11) T n-Heneicosane (C21)	13.482	5575050	38.490 ug/ml
13) T n-Docosane (C22)	14.069	5362800	37.163 ug/mlm
14) T n-Tetracosane (C24)	15.166	11792318	82.096 ug/ml
15) T n-Hexacosane (C26)	16.200	5174602	36.536 ug/ml
16) T n-Octacosane (C28)	17.150	5556667	39.940 ug/ml
17) T n-Tricontane (C30)	18.041	4699385	33.761 ug/ml
18) T n-Dotriacontane (C32)	18.873	4549422	33.133 ug/ml
19) T n-Tetratriacontane (C34)	19.659	4784199	36.719 ug/ml
20) T n-Hexatriacontane (C36)	20.399	4343202	34.403 ug/ml
21) T n-Octatriacontane (C38)	21.135	4420363	36.283 ug/ml
22) T n-Tetracontane (C40)	22.039	4654433	38.975 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 22 Sample Multiplier: 1

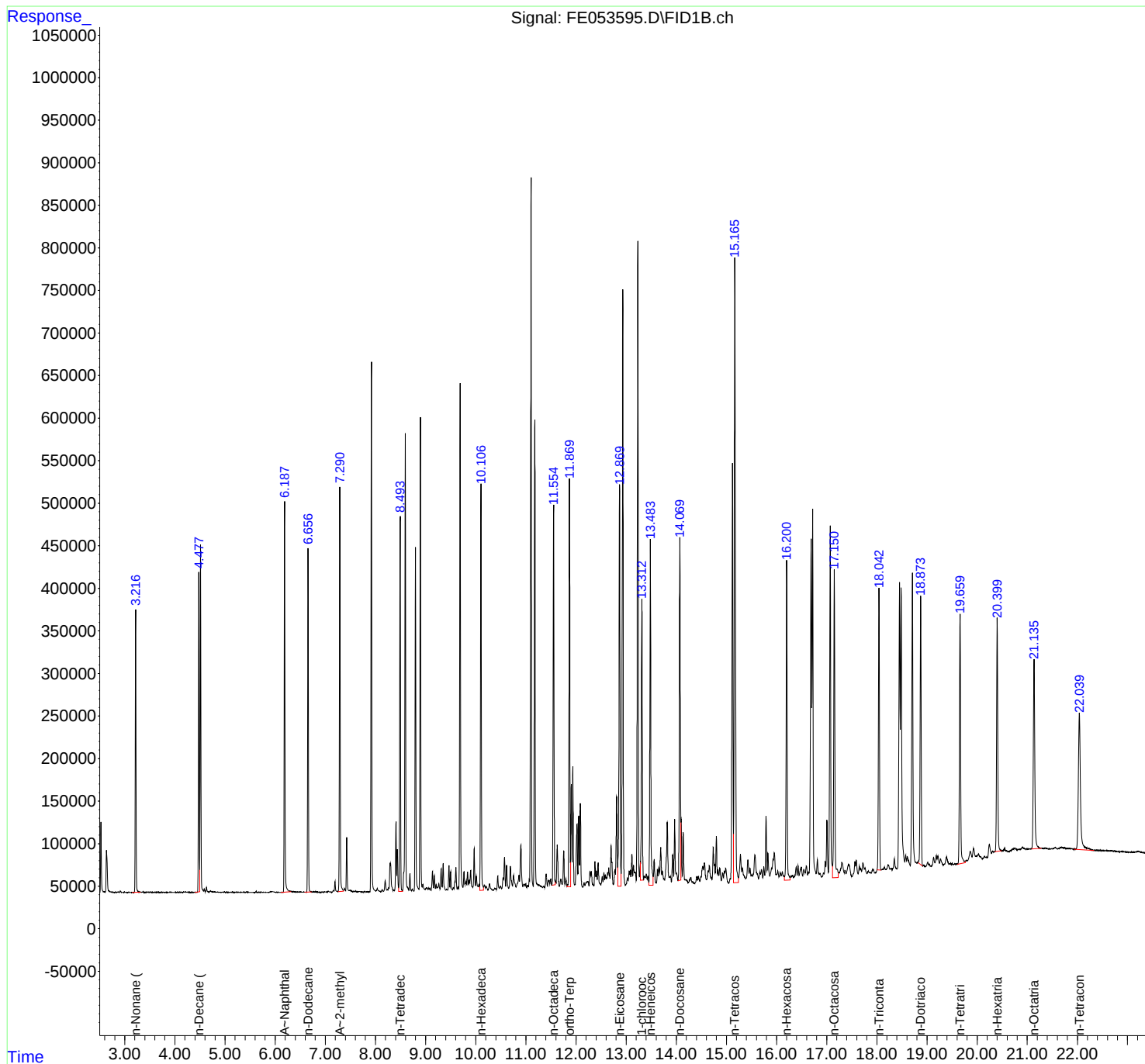
Instrument :
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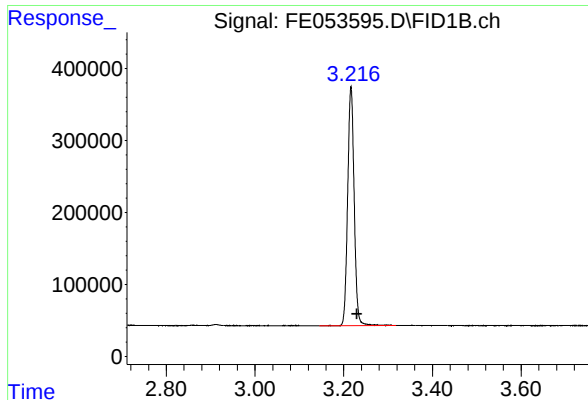
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Signal Info : 20M x 0.18mm x 0.18um





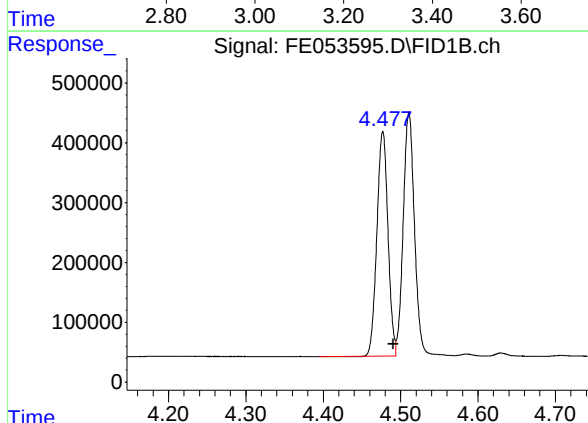
#1 n-Nonane (C9)

R.T.: 3.217 min
Delta R.T.: -0.013 min
Response: 3379476
Conc: 24.65 ug/ml

Instrument :
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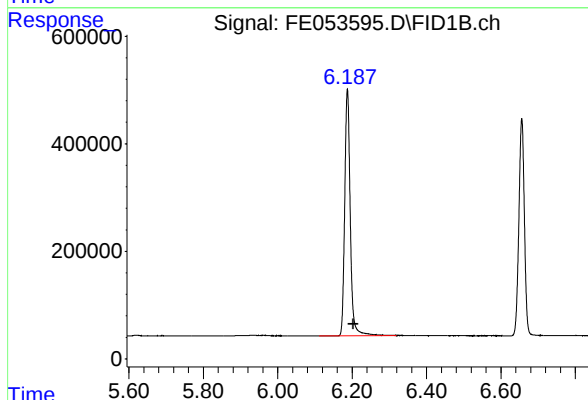
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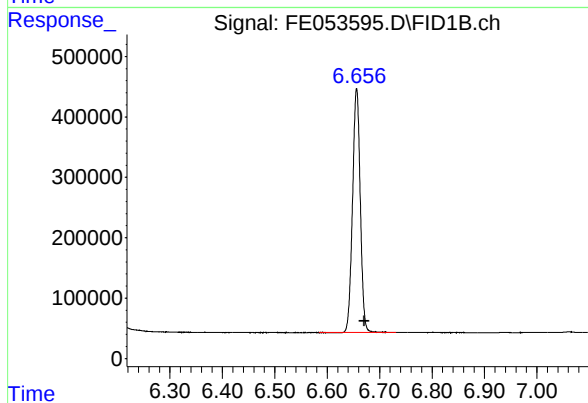
#2 n-Decane (C10)

R.T.: 4.477 min
Delta R.T.: -0.014 min
Response: 3732400
Conc: 26.98 ug/ml



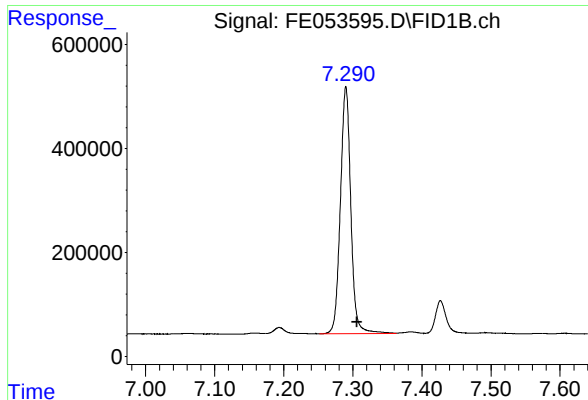
#3 A~Naphthalene (C11.7)

R.T.: 6.187 min
Delta R.T.: -0.016 min
Response: 4732907
Conc: 31.36 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.656 min
Delta R.T.: -0.015 min
Response: 4139060
Conc: 29.51 ug/ml



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

R.T.: 7.290 min
Delta R.T.: -0.016 min
Response: 4982641
Conc: 33.37 ug/ml

Instrument :

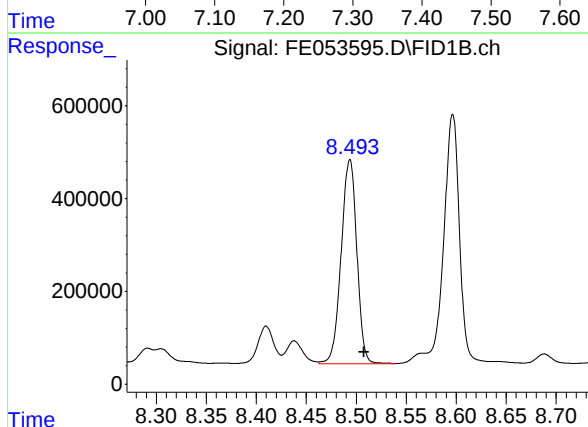
FID_E

ClientSampleId :

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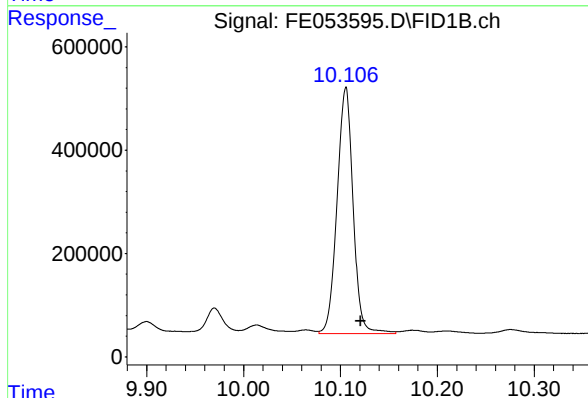
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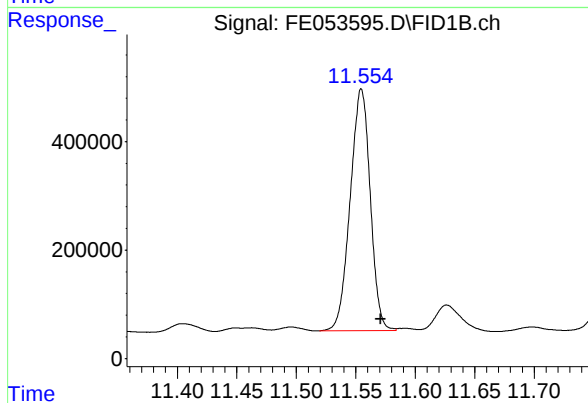
#6 n-Tetradecane (C14)

R.T.: 8.493 min
Delta R.T.: -0.014 min
Response: 4823042
Conc: 34.38 ug/ml



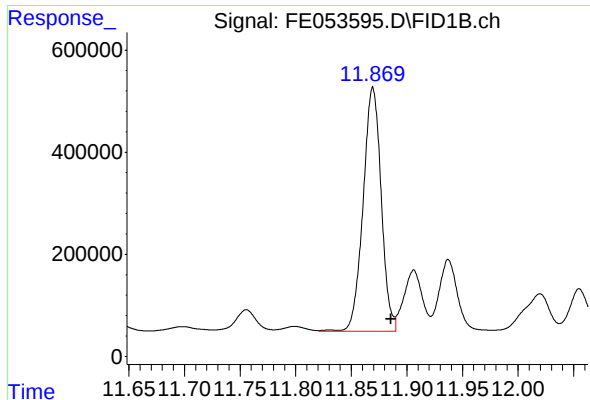
#7 n-Hexadecane (C16)

R.T.: 10.105 min
Delta R.T.: -0.016 min
Response: 5502450
Conc: 38.39 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.554 min
Delta R.T.: -0.017 min
Response: 5236773
Conc: 35.93 ug/ml m



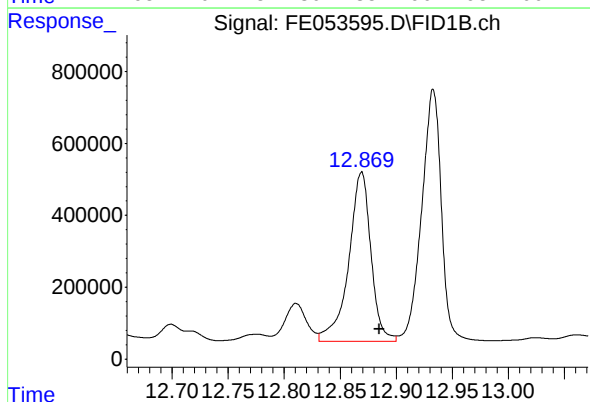
#9 ortho-Terphenyl (SURR)

R.T.: 11.869 min
Delta R.T.: -0.016 min
Response: 5404779
Conc: 29.97 ug/ml

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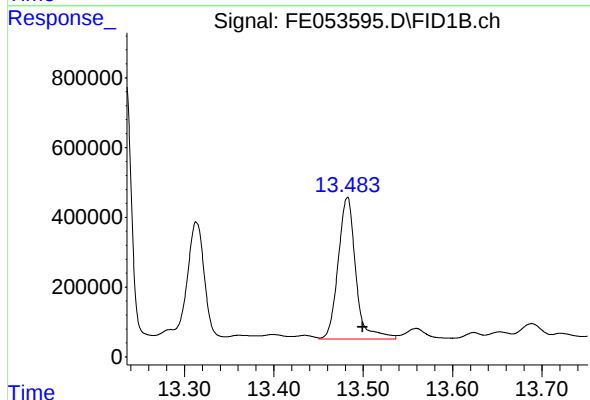
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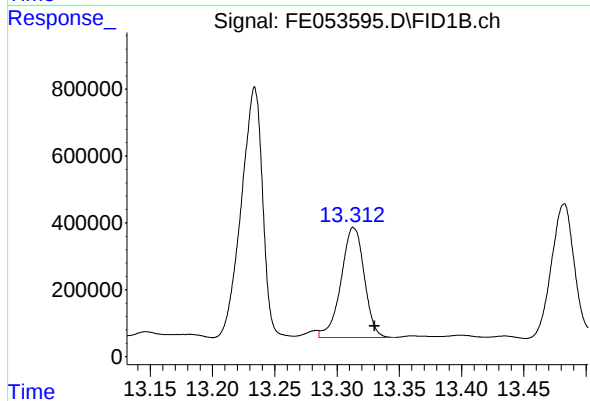
#10 n-Eicosane (C20)

R.T.: 12.869 min
Delta R.T.: -0.016 min
Response: 6496450
Conc: 44.65 ug/ml



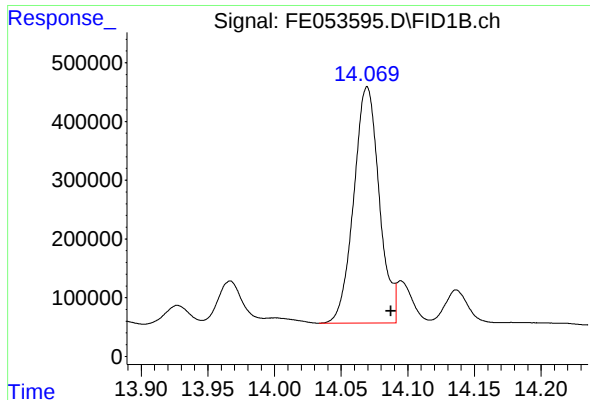
#11 n-Heneicosane (C21)

R.T.: 13.482 min
Delta R.T.: -0.017 min
Response: 5575050
Conc: 38.49 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.312 min
Delta R.T.: -0.018 min
Response: 4265896
Conc: 31.56 ug/ml m



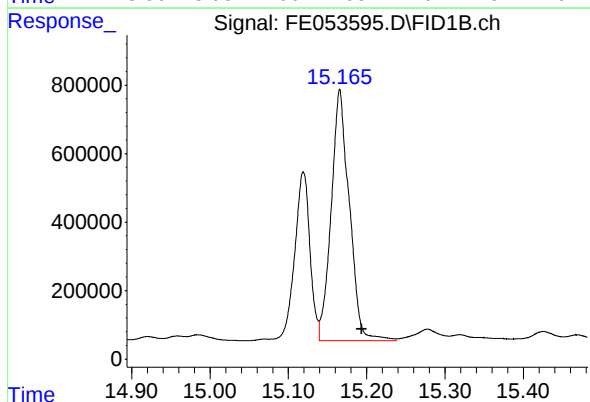
#13 n-Docosane (C22)

R.T.: 14.069 min
Delta R.T.: -0.018 min
Response: 5362800
Conc: 37.16 ug/ml

Instrument :
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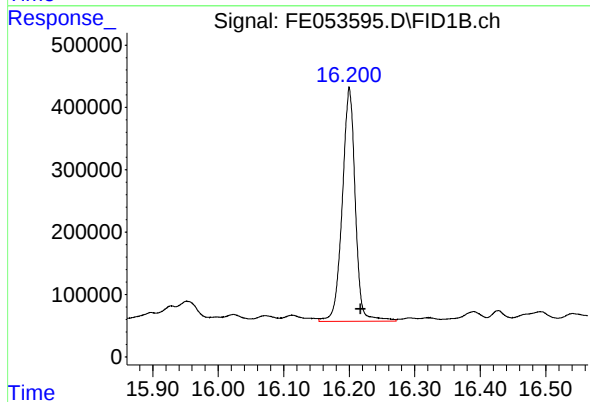
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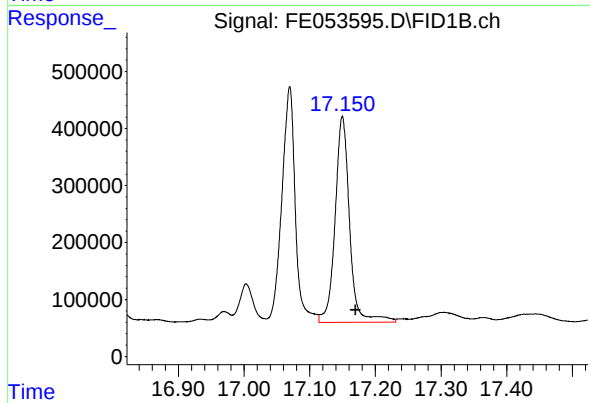
#14 n-Tetracosane (C24)

R.T.: 15.166 min
Delta R.T.: -0.028 min
Response: 11792318
Conc: 82.10 ug/ml



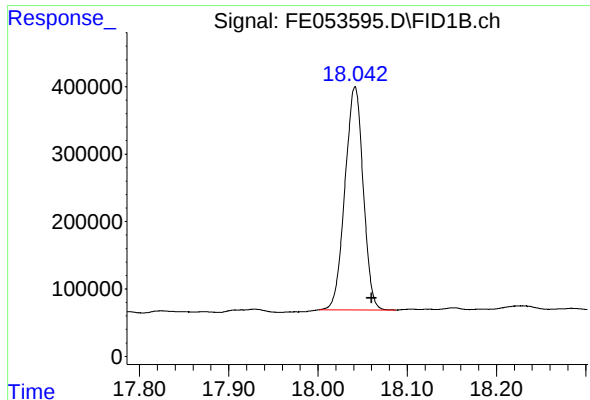
#15 n-Hexacosane (C26)

R.T.: 16.200 min
Delta R.T.: -0.017 min
Response: 5174602
Conc: 36.54 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.150 min
Delta R.T.: -0.020 min
Response: 5556667
Conc: 39.94 ug/ml



#17 n-Tricontane (C30)

R.T.: 18.041 min
Delta R.T.: -0.019 min
Response: 4699385
Conc: 33.76 ug/ml

Instrument :

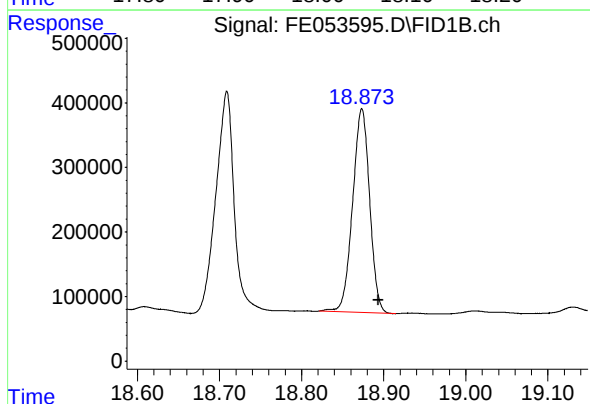
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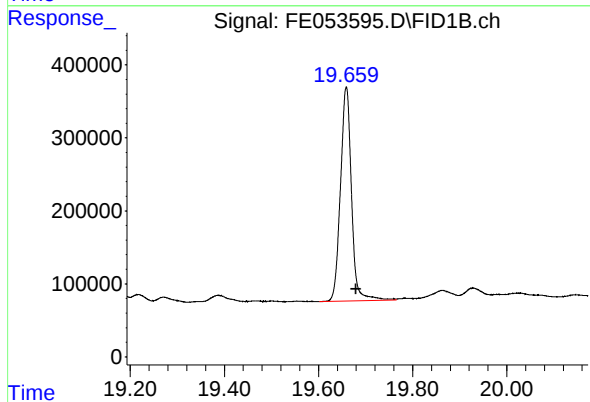
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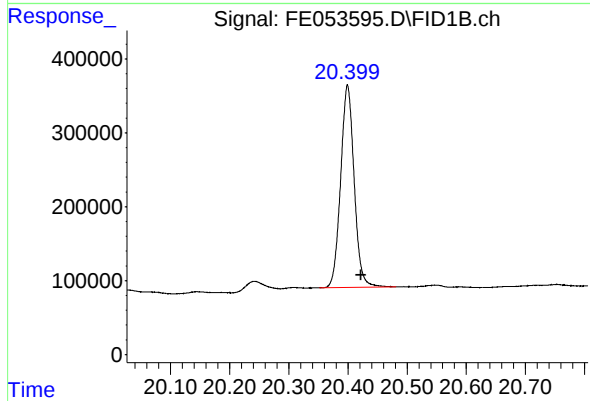
#18 n-Dotriacontane (C32)

R.T.: 18.873 min
Delta R.T.: -0.020 min
Response: 4549422
Conc: 33.13 ug/ml



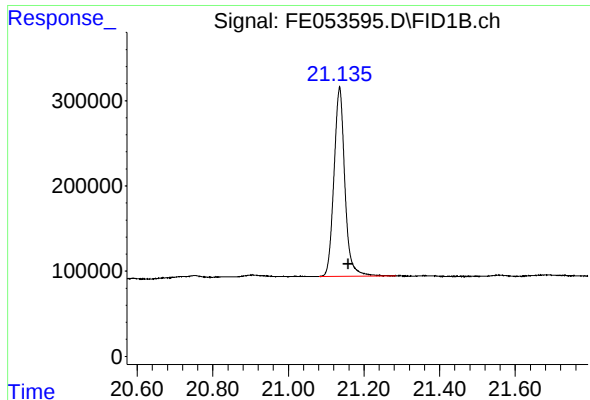
#19 n-Tetratriacontane (C34)

R.T.: 19.659 min
Delta R.T.: -0.021 min
Response: 4784199
Conc: 36.72 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.399 min
Delta R.T.: -0.023 min
Response: 4343202
Conc: 34.40 ug/ml



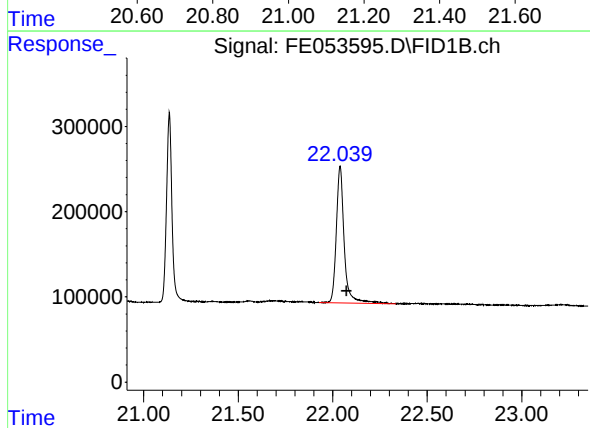
#21 n-Octatriacontane (C38)

R.T.: 21.135 min
Delta R.T.: -0.023 min
Response: 4420363
Conc: 36.28 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.039 min
Delta R.T.: -0.035 min
Response: 4654433
Conc: 38.98 ug/ml