

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082025AL\
 Data File : FE055414.D
 Signal(s) : FID1B.ch
 Acq On : 20 Aug 2025 16:35
 Operator : YP\AJ
 Sample : Q2868-07MSD
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

5MSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2025

Supervised By :mohammad ahmed 08/22/2025

Integration File: autoint1.e

Quant Time: Aug 21 01:49:44 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M

Quant Title : GC Extractables

Qlast Update : Fri Aug 01 13:47:09 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)	12.095	6252659	43.785 ug/ml
Spiked Amount 50.000		Recovery =	87.57%
12) S 1-chlorooctadecane (S...	13.530	6316589	58.746 ug/mlm
Spiked Amount 50.000		Recovery =	117.49%
Target Compounds			
1) T n-Nonane (C9)	3.430	4621084	40.264 ug/ml
2) T n-Decane (C10)	4.683	4828951	41.452 ug/ml
3) T A~Naphthalene (C11.7)	6.401	6540502	48.726 ug/ml
4) T n-Dodecane (C12)	6.856	5182902	43.524 ug/ml
5) T A~2-methylnaphthalene...	7.502	5666893	43.463 ug/mlm
6) T n-Tetradecane (C14)	8.694	5684255	46.360 ug/ml
7) T n-Hexadecane (C16)	10.310	6070513	47.484 ug/ml
8) T n-Octadecane (C18)	11.764	6272594	48.075 ug/ml
10) T n-Eicosane (C20)	13.089	9033678	71.998 ug/mlm
11) T n-Heneicosane (C21)	13.694	6549038	53.129 ug/mlm
13) T n-Docosane (C22)	14.281	7955340	65.144 ug/mlm
14) T n-Tetracosane (C24)	15.385	45297044	372.405 ug/ml
15) T n-Hexacosane (C26)	16.416	8553700	71.492 ug/mlm
16) T n-Octacosane (C28)	17.361	42495155	358.235 ug/ml
17) T n-Tricontane (C30)	18.261	7043093	57.238 ug/mlm
18) T n-Dotriacontane (C32)	19.096	10752074	88.124 ug/mlm
19) T n-Tetratriacontane (C34)	19.878	5991951	51.249 ug/mlm
20) T n-Hexatriacontane (C36)	20.617	7517175	68.776 ug/mlm
21) T n-Octatriacontane (C38)	21.401	6426704	59.468 ug/mlm
22) T n-Tetracontane (C40)	22.395	8318032	79.542 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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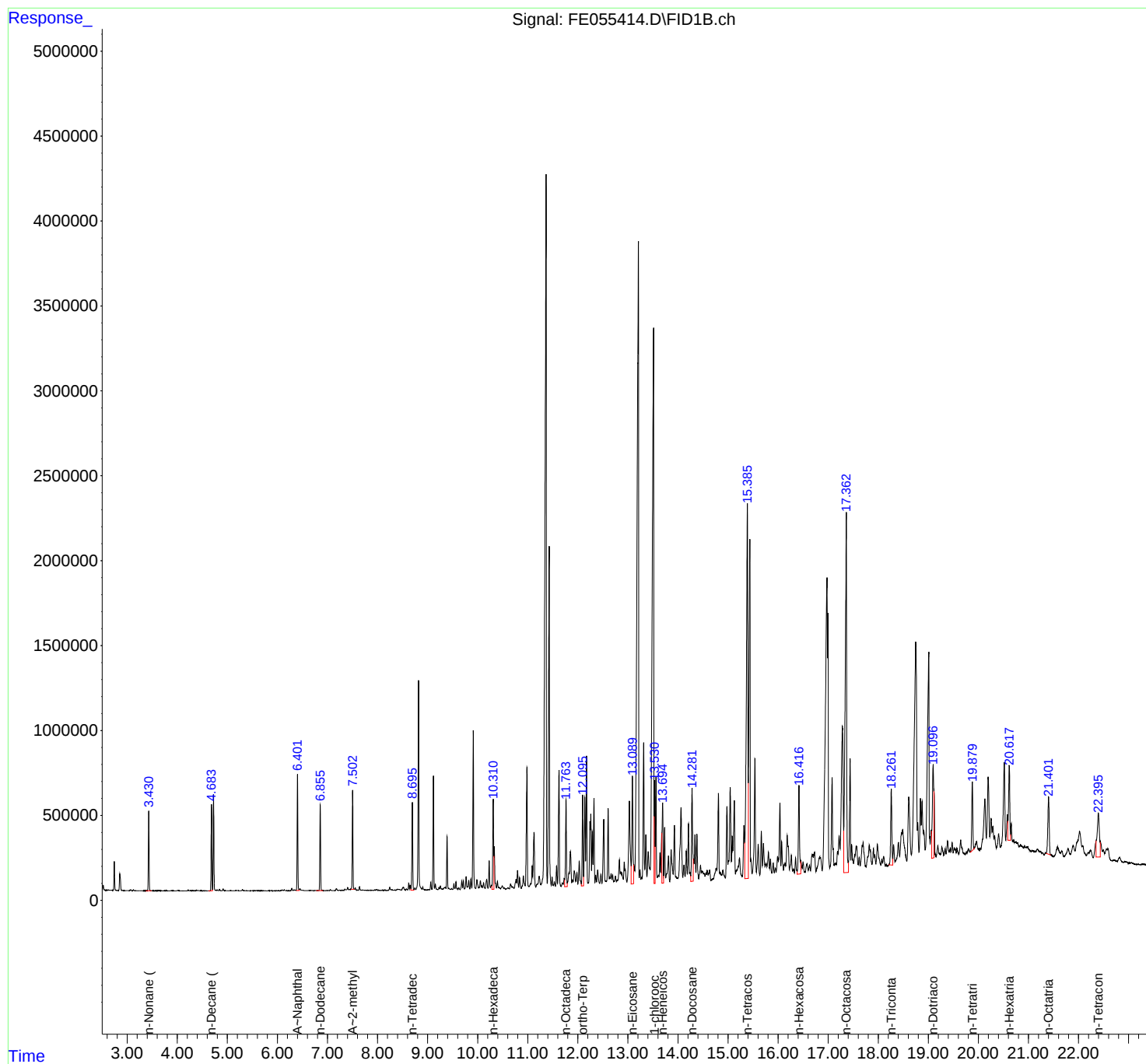
Instrument :
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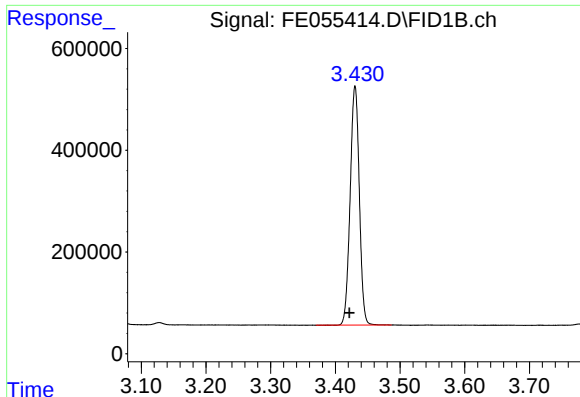
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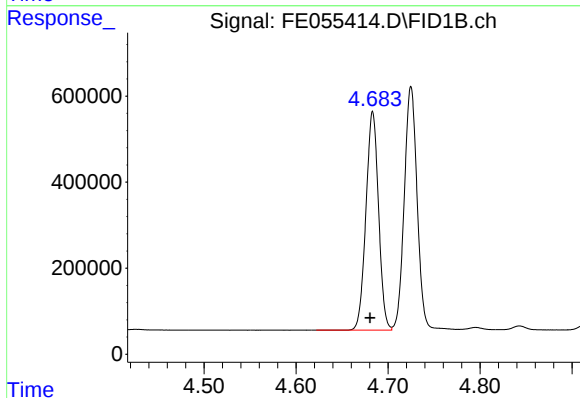
#1 n-Nonane (C9)

R.T.: 3.430 min
Delta R.T.: 0.008 min
Response: 4621084
Conc: 40.26 ug/ml

Instrument :
FID_E
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5MSD

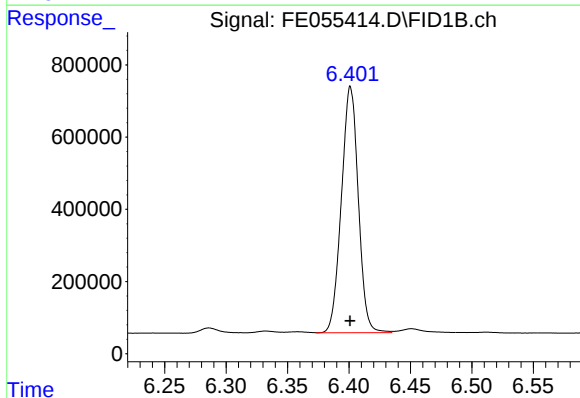
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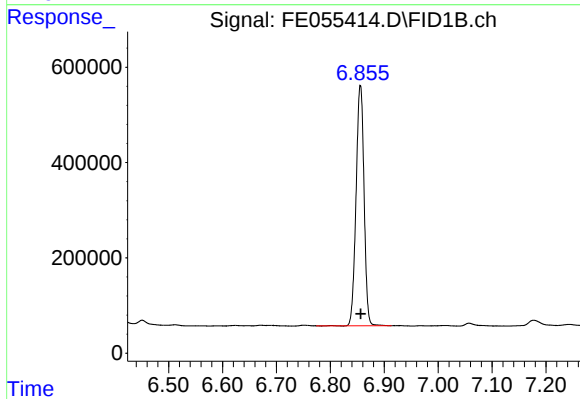
#2 n-Decane (C10)

R.T.: 4.683 min
Delta R.T.: 0.003 min
Response: 4828951
Conc: 41.45 ug/ml



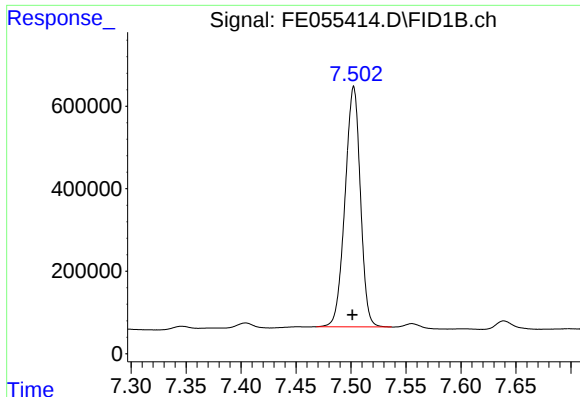
#3 A~Naphthalene (C11.7)

R.T.: 6.401 min
Delta R.T.: 0.000 min
Response: 6540502
Conc: 48.73 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.856 min
Delta R.T.: 0.000 min
Response: 5182902
Conc: 43.52 ug/ml



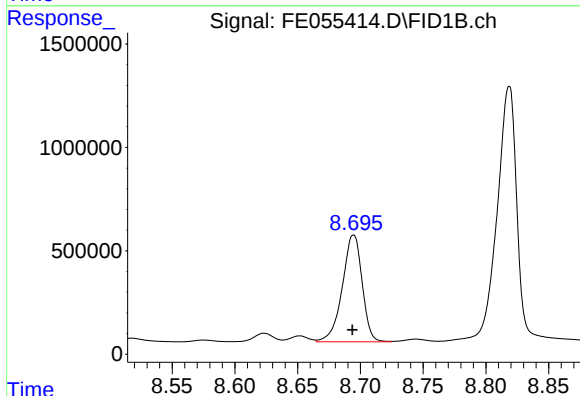
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.502 min
Delta R.T.: 0.000 min
Response: 5666893
Conc: 43.46 ug/ml

Instrument :
FID_E
ClientSampleId :
5MSD

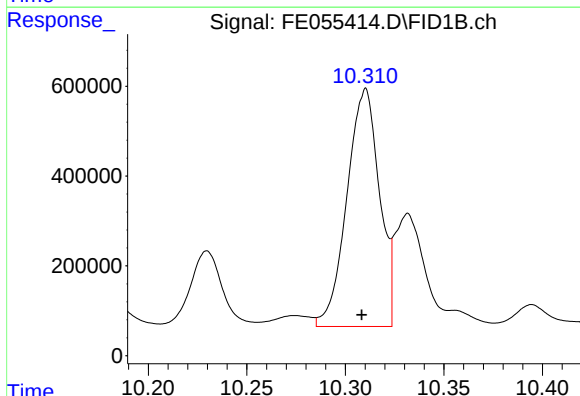
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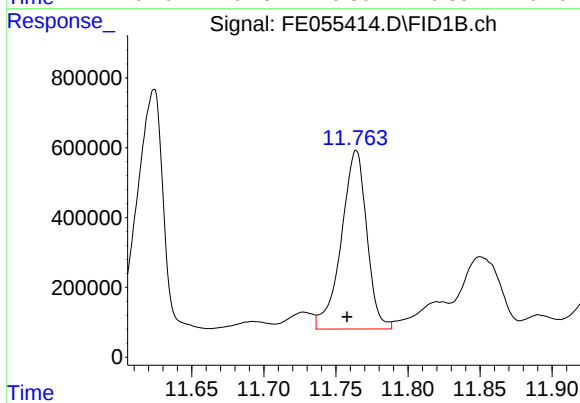
#6 n-Tetradecane (C14)

R.T.: 8.694 min
Delta R.T.: 0.000 min
Response: 5684255
Conc: 46.36 ug/ml



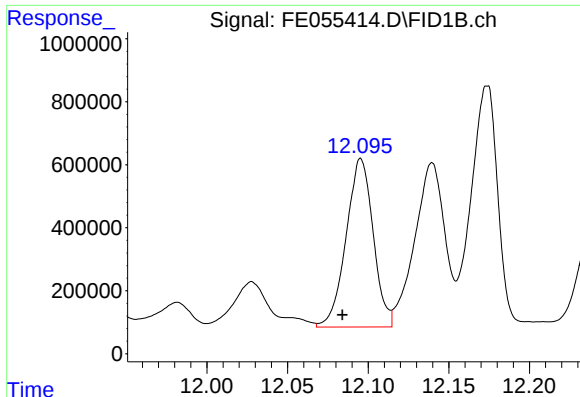
#7 n-Hexadecane (C16)

R.T.: 10.310 min
Delta R.T.: 0.001 min
Response: 6070513
Conc: 47.48 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.764 min
Delta R.T.: 0.006 min
Response: 6272594
Conc: 48.08 ug/ml



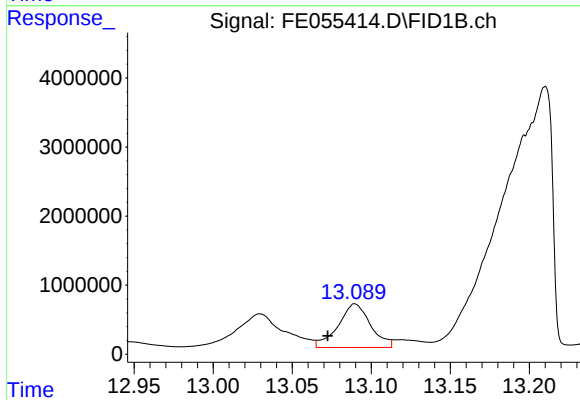
#9 ortho-Terphenyl (SURR)

R.T.: 12.095 min
Delta R.T.: 0.011 min
Response: 6252659
Conc: 43.78 ug/ml

Instrument :
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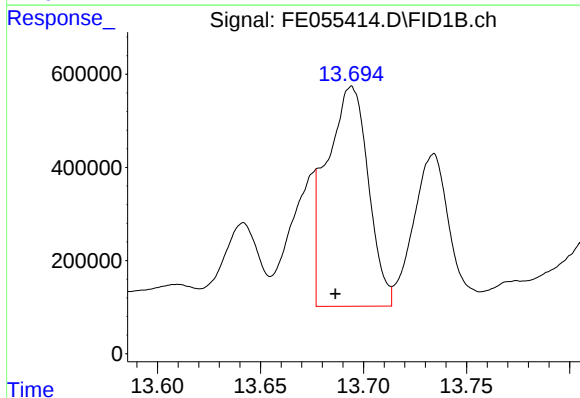
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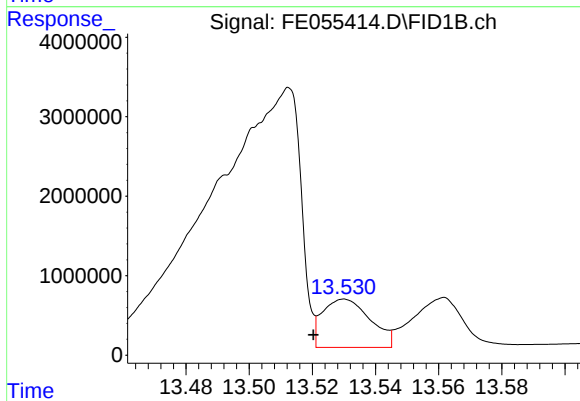
#10 n-Eicosane (C20)

R.T.: 13.089 min
Delta R.T.: 0.016 min
Response: 9033678
Conc: 72.00 ug/ml m



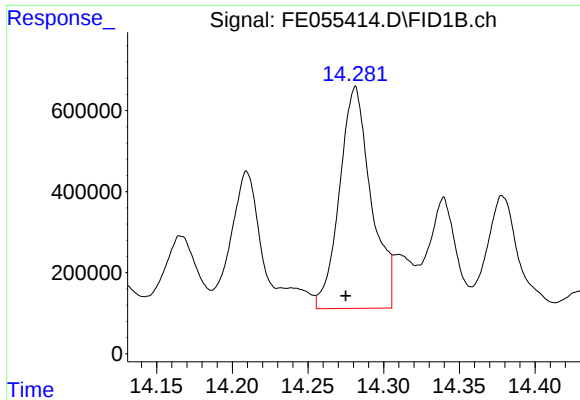
#11 n-Heneicosane (C21)

R.T.: 13.694 min
Delta R.T.: 0.008 min
Response: 6549038
Conc: 53.13 ug/ml m



#12 1-chlorooctadecane (SURR)

R.T.: 13.530 min
Delta R.T.: 0.010 min
Response: 6316589
Conc: 58.75 ug/ml m



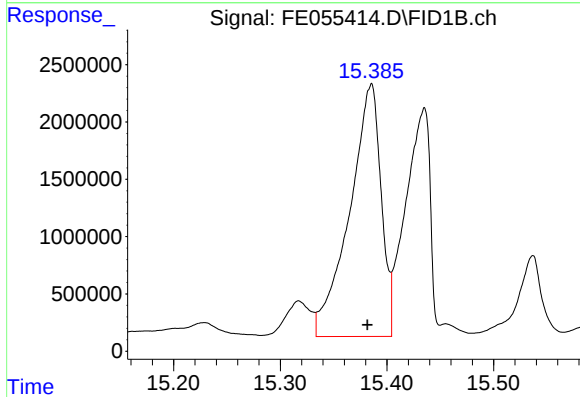
#13 n-Docosane (C22)

R.T.: 14.281 min
Delta R.T.: 0.006 min
Response: 7955340
Conc: 65.14 ug/ml

Instrument :
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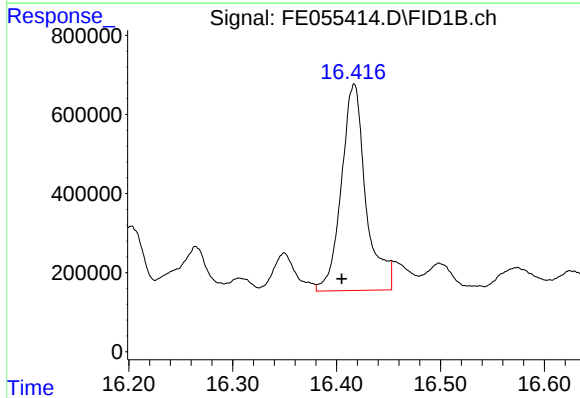
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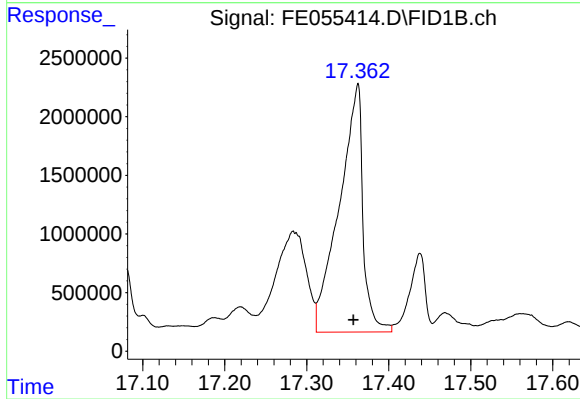
#14 n-Tetracosane (C24)

R.T.: 15.385 min
Delta R.T.: 0.003 min
Response: 45297044
Conc: 372.41 ug/ml



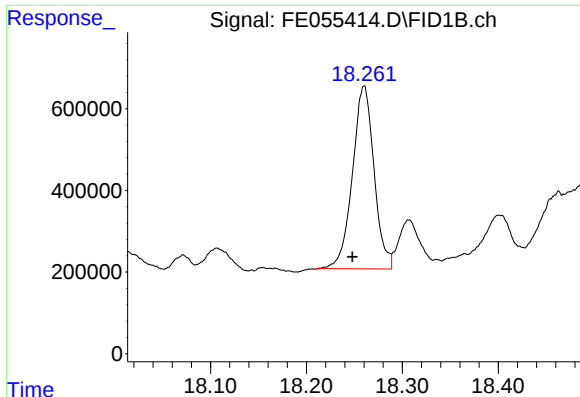
#15 n-Hexacosane (C26)

R.T.: 16.416 min
Delta R.T.: 0.011 min
Response: 8553700
Conc: 71.49 ug/ml m



#16 n-Octacosane (C28)

R.T.: 17.361 min
Delta R.T.: 0.004 min
Response: 42495155
Conc: 358.23 ug/ml



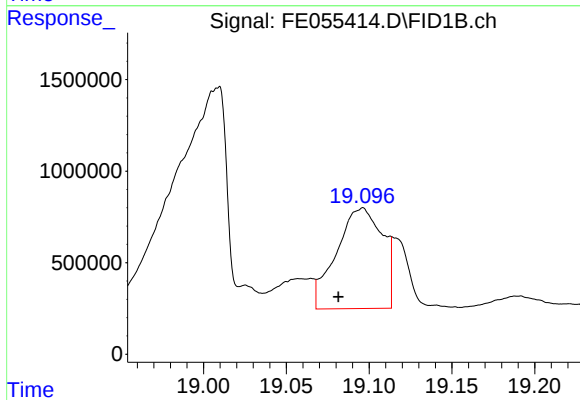
#17 n-Tricontane (C30)

R.T.: 18.261 min
Delta R.T.: 0.013 min
Response: 7043093
Conc: 57.24 ug/ml

Instrument :
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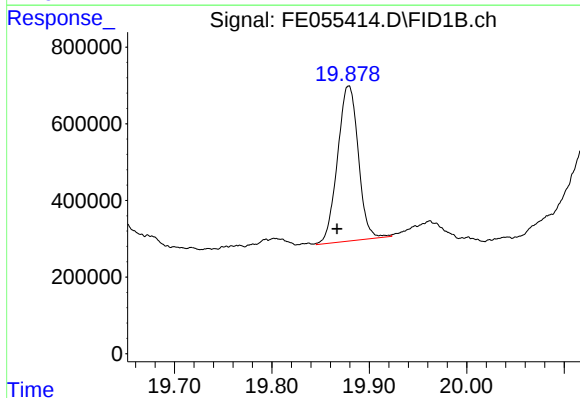
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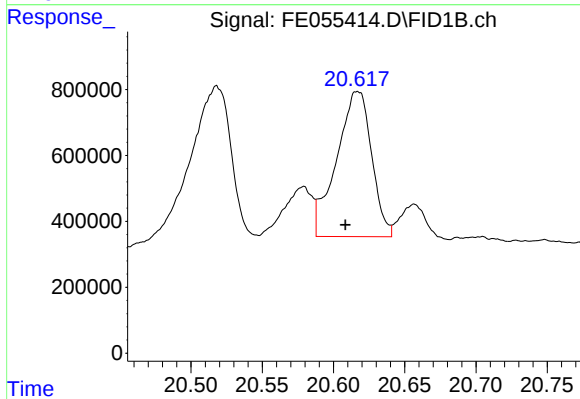
#18 n-Dotriacontane (C32)

R.T.: 19.096 min
Delta R.T.: 0.015 min
Response: 10752074
Conc: 88.12 ug/ml m



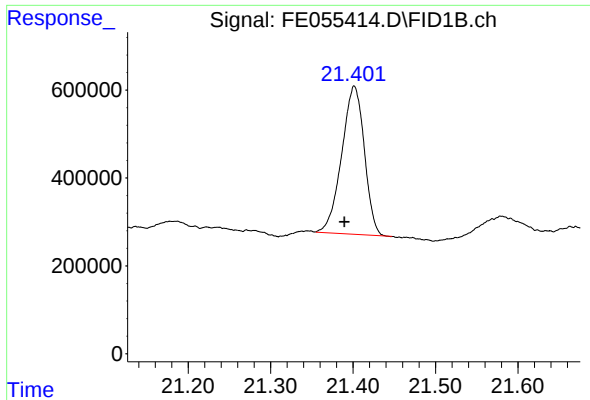
#19 n-Tetratriacontane (C34)

R.T.: 19.878 min
Delta R.T.: 0.011 min
Response: 5991951
Conc: 51.25 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.617 min
Delta R.T.: 0.008 min
Response: 7517175
Conc: 68.78 ug/ml m



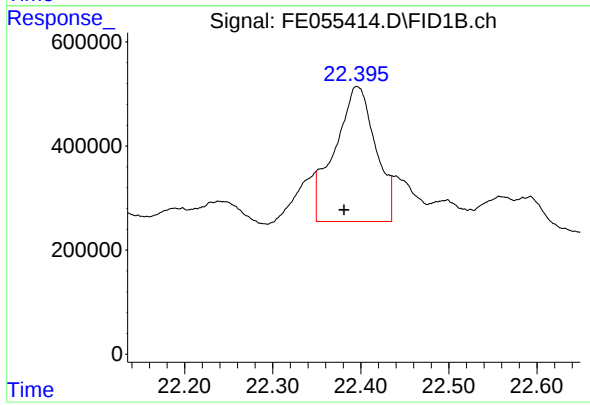
#21 n-Octatriacontane (C38)

R.T.: 21.401 min
Delta R.T.: 0.011 min
Response: 6426704
Conc: 59.47 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.395 min
Delta R.T.: 0.014 min
Response: 8318032
Conc: 79.54 ug/ml m