

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091725AL\
 Data File : FE055878.D
 Signal(s) : FID1B.ch
 Acq On : 17 Sep 2025 17:09
 Operator : YP\AJ
 Sample : Q3115-01MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

TR-05-09162025MS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/18/2025

Supervised By :mohammad ahmed 09/19/2025

Integration File: autoint1.e

Quant Time: Sep 18 01:29:47 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M

Quant Title : GC Extractables

Qlast Update : Fri Aug 29 08:12:09 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)	12.073	6275806	38.201 ug/mlm
Spiked Amount 50.000		Recovery =	76.40%
12) S 1-chlorooctadecane (S...	13.509	4910666	39.271 ug/ml
Spiked Amount 50.000		Recovery =	78.54%
Target Compounds			
1) T n-Nonane (C9)	3.411	4248711	33.480 ug/ml
2) T n-Decane (C10)	4.669	4816408	37.599 ug/ml
3) T A~Naphthalene (C11.7)	6.387	6253598	43.043 ug/ml
4) T n-Dodecane (C12)	6.844	5734226	44.038 ug/ml
5) T A~2-methylnaphthalene...	7.489	6570760	46.717 ug/ml
6) T n-Tetradecane (C14)	8.683	7078926	53.753 ug/ml
7) T n-Hexadecane (C16)	10.298	8071762	58.281 ug/ml
8) T n-Octadecane (C18)	11.749	8523484	58.436 ug/ml
10) T n-Eicosane (C20)	13.063	8560380	59.469 ug/ml
11) T n-Heneicosane (C21)	13.677	7924134	55.474 ug/ml
13) T n-Docosane (C22)	14.266	7518405	52.523 ug/ml
14) T n-Tetracosane (C24)	15.373	13255844	91.610 ug/ml
15) T n-Hexacosane (C26)	16.397	6221215	43.547 ug/mlm
16) T n-Octacosane (C28)	17.349	6157495	43.290 ug/ml
17) T n-Tricontane (C30)	18.238	6379140	43.155 ug/mlm
18) T n-Dotriacontane (C32)	19.074	6580108	44.831 ug/ml
19) T n-Tetratriacontane (C34)	19.861	6549079	46.354 ug/mlm
20) T n-Hexatriacontane (C36)	20.602	6723243	50.950 ug/ml
21) T n-Octatriacontane (C38)	21.380	7182178	55.146 ug/ml
22) T n-Tetracontane (C40)	22.368	6519636	50.839 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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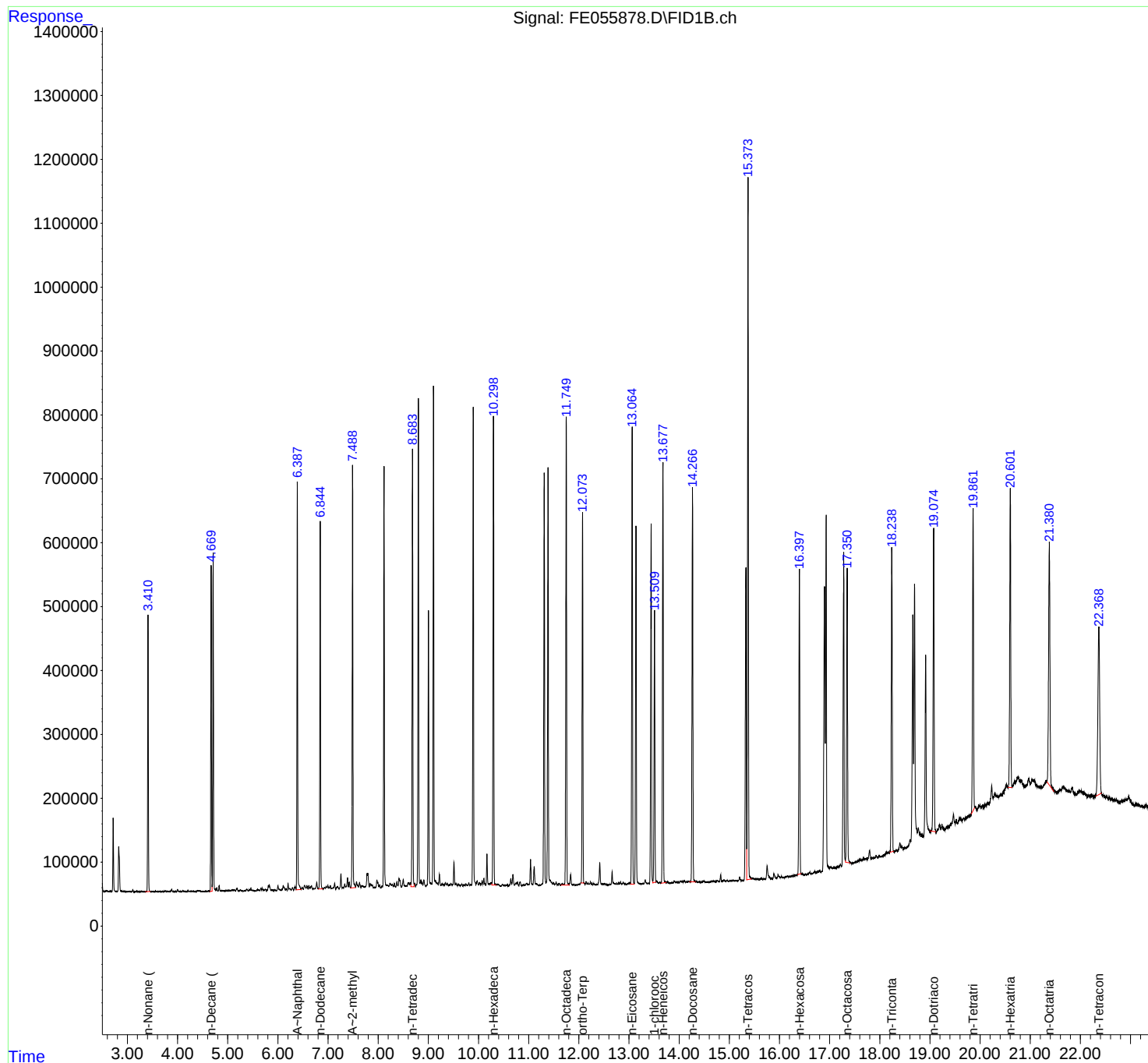
Instrument :
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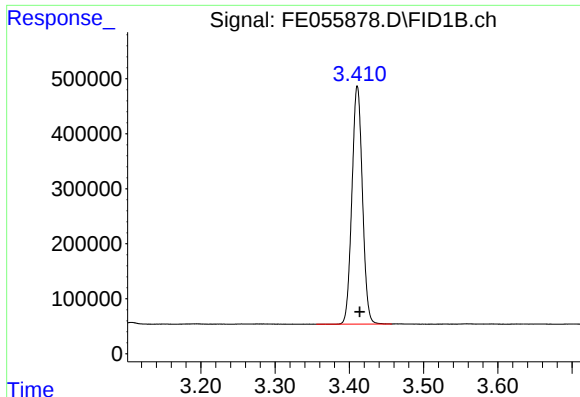
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Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um





#1 n-Nonane (C9)

R.T.: 3.411 min
Delta R.T.: -0.003 min
Response: 4248711
Conc: 33.48 ug/ml

Instrument :

FID_E

ClientSampleId :

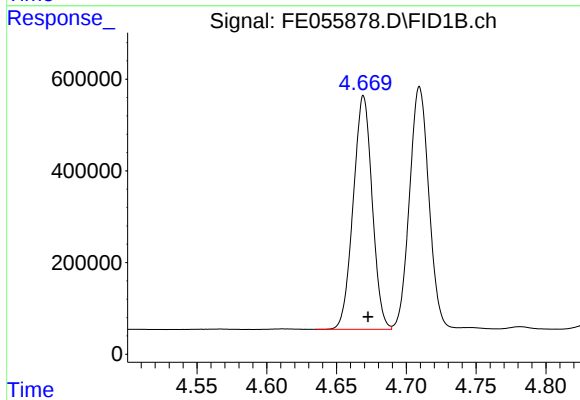
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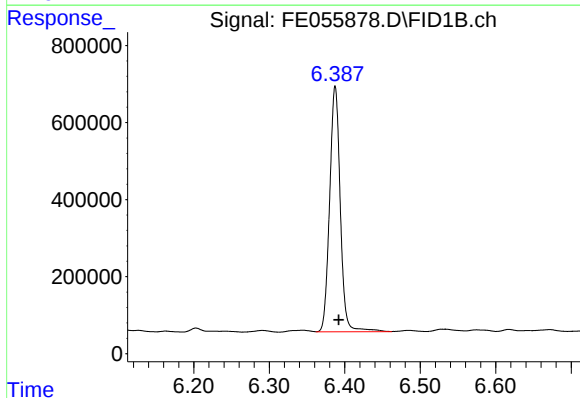
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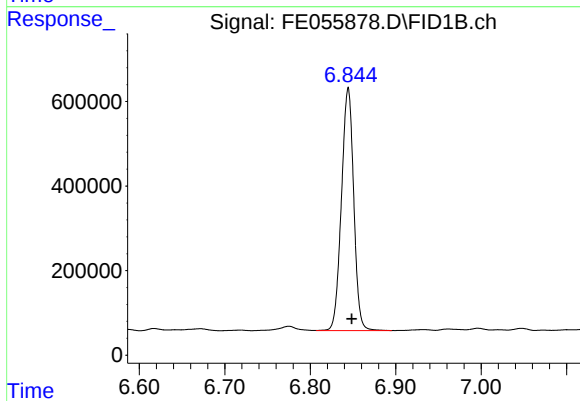
#2 n-Decane (C10)

R.T.: 4.669 min
Delta R.T.: -0.003 min
Response: 4816408
Conc: 37.60 ug/ml



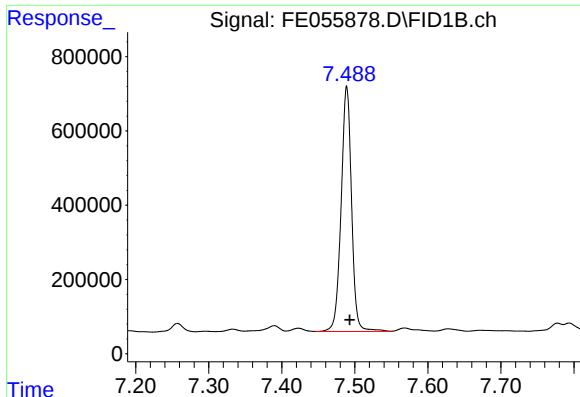
#3 A~Naphthalene (C11.7)

R.T.: 6.387 min
Delta R.T.: -0.005 min
Response: 6253598
Conc: 43.04 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.844 min
Delta R.T.: -0.004 min
Response: 5734226
Conc: 44.04 ug/ml



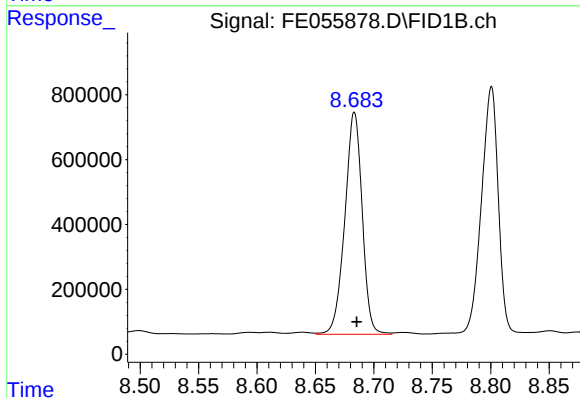
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.489 min
Delta R.T.: -0.004 min
Response: 6570760
Conc: 46.72 ug/ml

Instrument :
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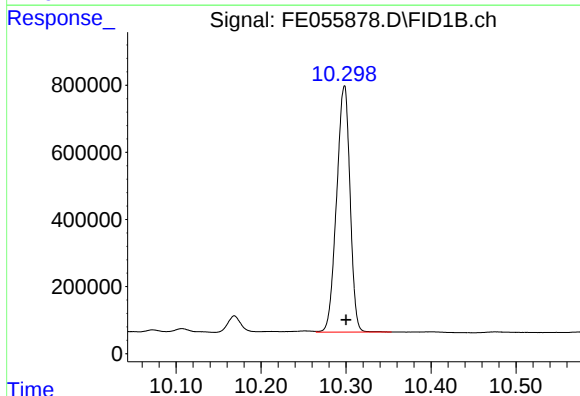
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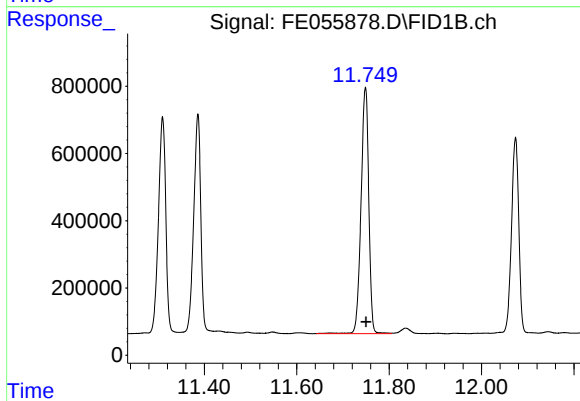
#6 n-Tetradecane (C14)

R.T.: 8.683 min
Delta R.T.: -0.002 min
Response: 7078926
Conc: 53.75 ug/ml



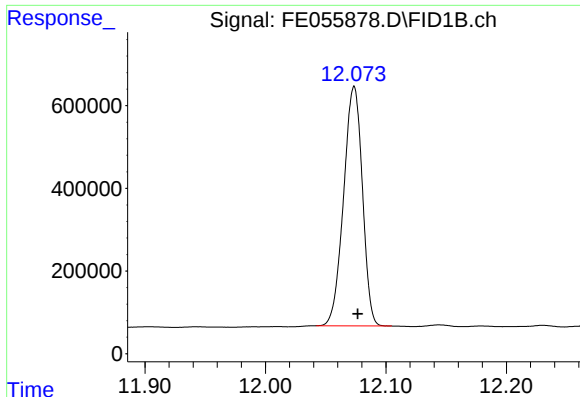
#7 n-Hexadecane (C16)

R.T.: 10.298 min
Delta R.T.: -0.002 min
Response: 8071762
Conc: 58.28 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.749 min
Delta R.T.: -0.002 min
Response: 8523484
Conc: 58.44 ug/ml



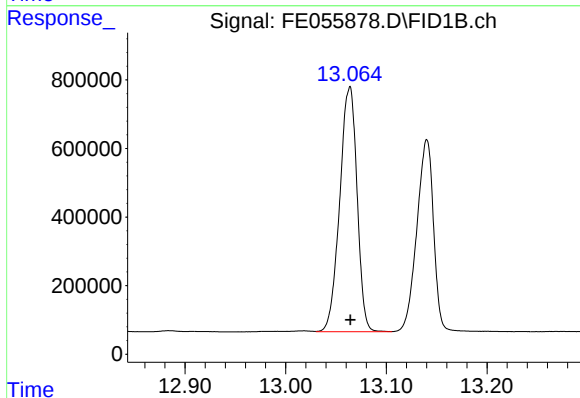
#9 ortho-Terphenyl (SURR)

R.T.: 12.073 min
Delta R.T.: -0.003 min
Response: 6275806
Conc: 38.20 ug/ml

Instrument :
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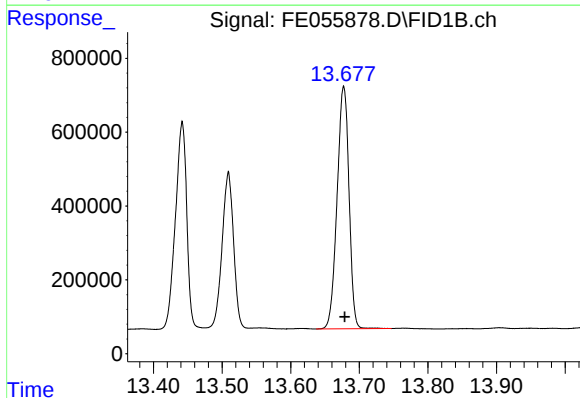
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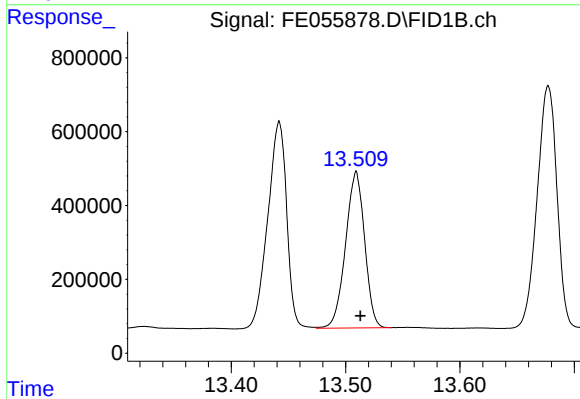
#10 n-Eicosane (C20)

R.T.: 13.063 min
Delta R.T.: -0.001 min
Response: 8560380
Conc: 59.47 ug/ml



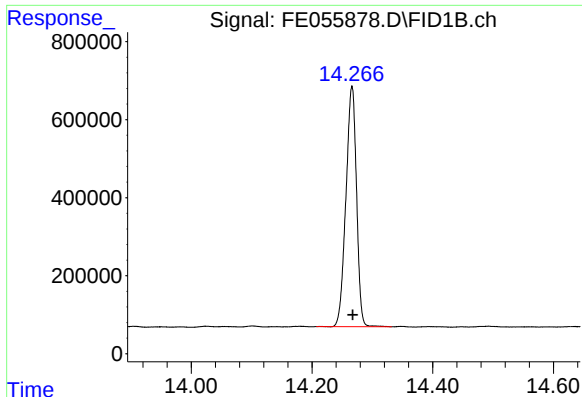
#11 n-Heneicosane (C21)

R.T.: 13.677 min
Delta R.T.: -0.002 min
Response: 7924134
Conc: 55.47 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.509 min
Delta R.T.: -0.004 min
Response: 4910666
Conc: 39.27 ug/ml



#13 n-Docosane (C22)

R.T.: 14.266 min
Delta R.T.: -0.001 min
Response: 7518405
Conc: 52.52 ug/ml

Instrument :

FID_E

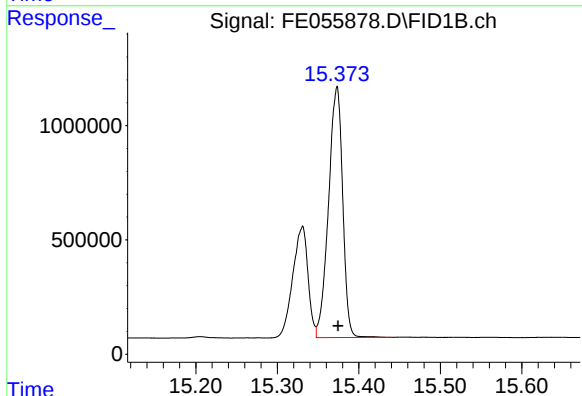
ClientSampleId :

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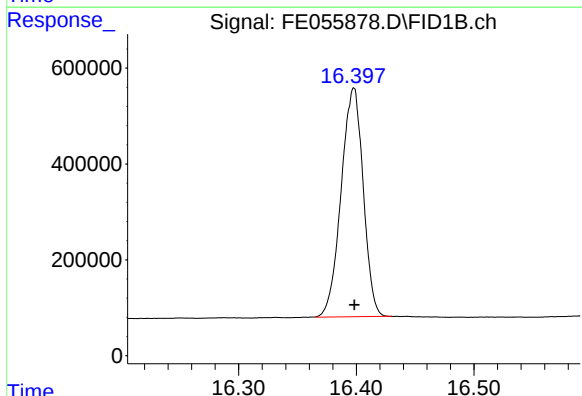
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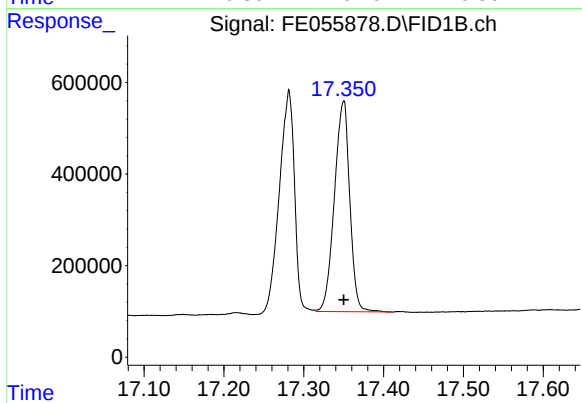
#14 n-Tetracosane (C24)

R.T.: 15.373 min
Delta R.T.: -0.002 min
Response: 13255844
Conc: 91.61 ug/ml



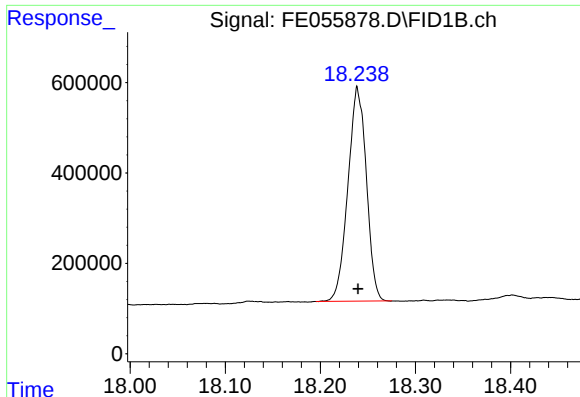
#15 n-Hexacosane (C26)

R.T.: 16.397 min
Delta R.T.: 0.000 min
Response: 6221215
Conc: 43.55 ug/ml m



#16 n-Octacosane (C28)

R.T.: 17.349 min
Delta R.T.: 0.000 min
Response: 6157495
Conc: 43.29 ug/ml



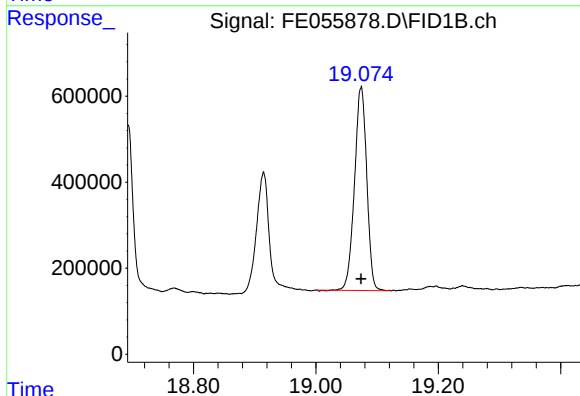
#17 n-Tricontane (C30)

R.T.: 18.238 min
Delta R.T.: -0.001 min
Response: 6379140
Conc: 43.16 ug/ml

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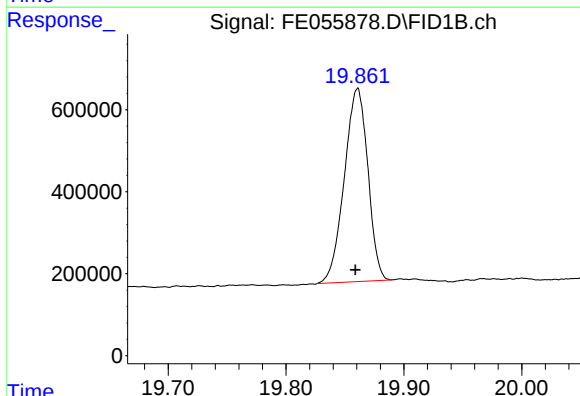
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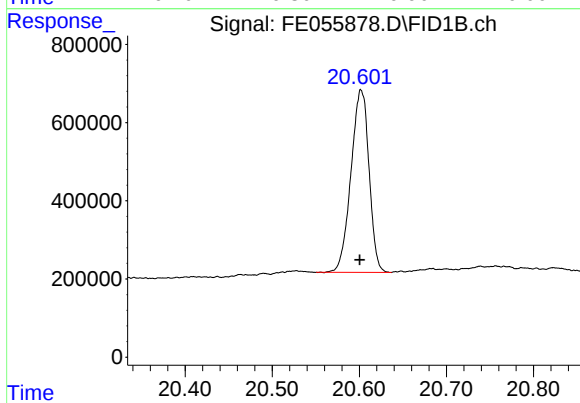
#18 n-Dotriacontane (C32)

R.T.: 19.074 min
Delta R.T.: 0.000 min
Response: 6580108
Conc: 44.83 ug/ml



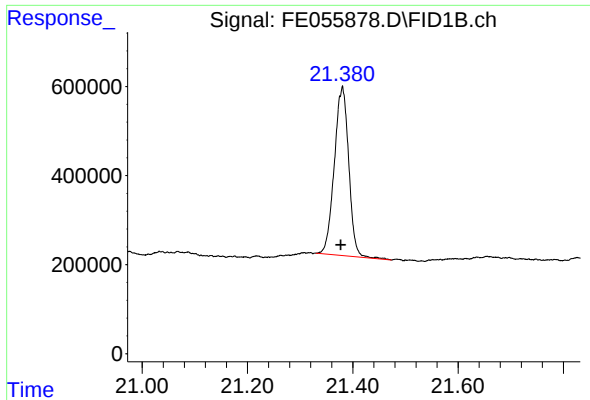
#19 n-Tetratriacontane (C34)

R.T.: 19.861 min
Delta R.T.: 0.002 min
Response: 6549079
Conc: 46.35 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.602 min
Delta R.T.: 0.002 min
Response: 6723243
Conc: 50.95 ug/ml



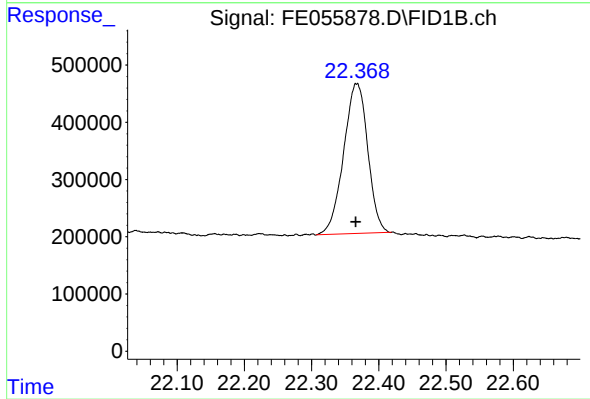
#21 n-Octatriacontane (C38)

R.T.: 21.380 min
Delta R.T.: 0.003 min
Response: 7182178
Conc: 55.15 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.368 min
Delta R.T.: 0.003 min
Response: 6519636
Conc: 50.84 ug/ml m