

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090425AL\
 Data File : FE055667.D
 Signal(s) : FID1B.ch
 Acq On : 04 Sep 2025 17:01
 Operator : YP\AJ
 Sample : Q3011-05MSD
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 3MSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/05/2025
 Supervised By :mohammad ahmed 09/08/2025

Integration File: autoint1.e
 Quant Time: Sep 05 01:27:25 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)	12.075	5458401	33.225 ug/ml
Spiked Amount 50.000		Recovery =	66.45%
12) S 1-chlorooctadecane (S...	13.512	4286336	34.278 ug/ml
Spiked Amount 50.000		Recovery =	68.56%
Target Compounds			
1) T n-Nonane (C9)	3.427	5737318	45.211 ug/ml
2) T n-Decane (C10)	4.678	6036831	47.127 ug/ml
3) T A~Naphthalene (C11.7)	6.392	7153342	49.235 ug/ml
4) T n-Dodecane (C12)	6.848	6373411	48.946 ug/ml
5) T A~2-methylnaphthalene...	7.492	6654074	47.309 ug/ml
6) T n-Tetradecane (C14)	8.685	6710822	50.958 ug/ml
7) T n-Hexadecane (C16)	10.300	7083963	51.149 ug/ml
8) T n-Octadecane (C18)	11.750	7130707	48.887 ug/ml
10) T n-Eicosane (C20)	13.065	7223282	50.180 ug/ml
11) T n-Heneicosane (C21)	13.679	6773074	47.416 ug/ml
13) T n-Docosane (C22)	14.267	6626400	46.292 ug/ml
14) T n-Tetracosane (C24)	15.374	13259696	91.637 ug/ml
15) T n-Hexacosane (C26)	16.399	6231227	43.617 ug/ml
16) T n-Octacosane (C28)	17.351	6253077	43.962 ug/mlm
17) T n-Tricontane (C30)	18.241	6404998	43.330 ug/ml
18) T n-Dotriacontane (C32)	19.074	6335875	43.167 ug/ml
19) T n-Tetratriacontane (C34)	19.859	6591289	46.652 ug/ml
20) T n-Hexatriacontane (C36)	20.600	6573182	49.813 ug/ml
21) T n-Octatriacontane (C38)	21.378	6762774	51.925 ug/ml
22) T n-Tetracontane (C40)	22.366	6536128	50.968 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 18 Sample Multiplier: 1

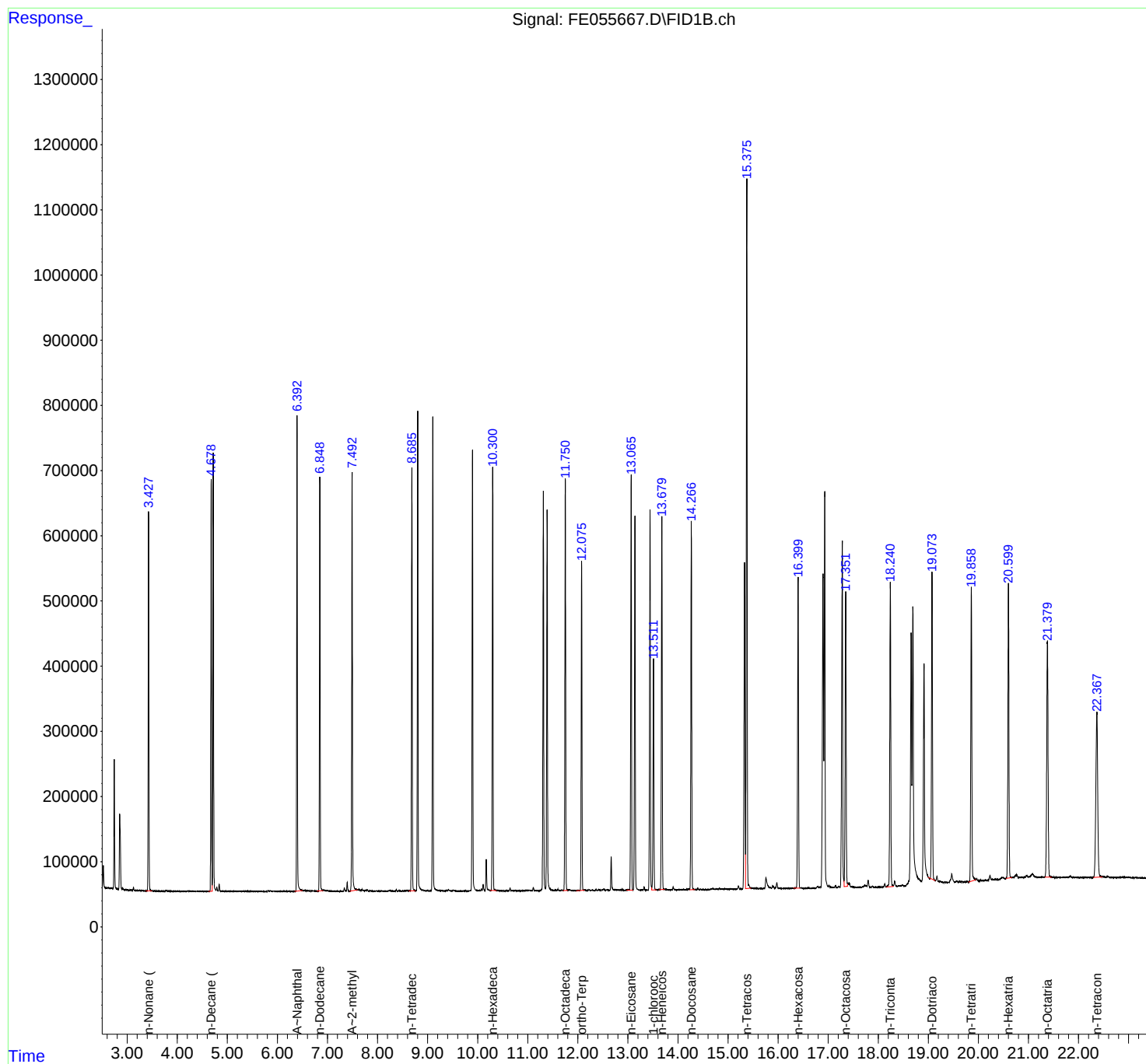
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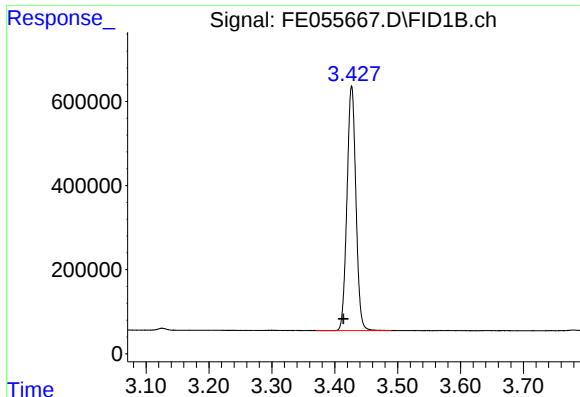
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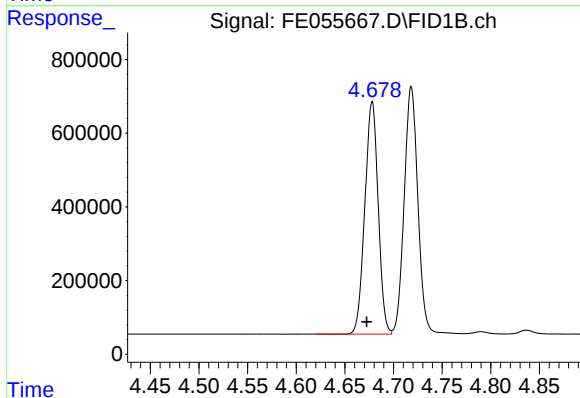
#1 n-Nonane (C9)

R.T.: 3.427 min
Delta R.T.: 0.013 min
Response: 5737318
Conc: 45.21 ug/ml

Instrument :
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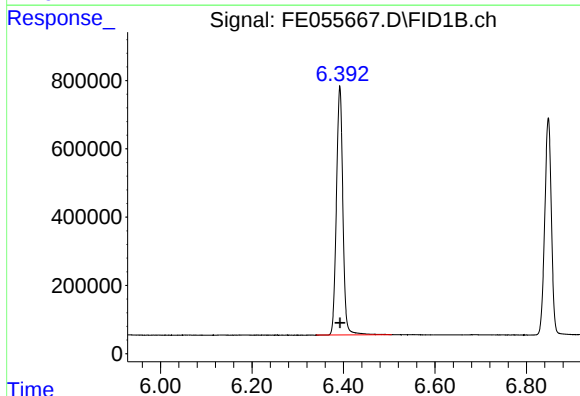
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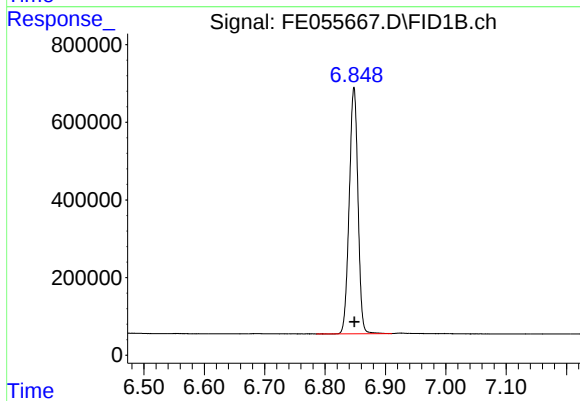
#2 n-Decane (C10)

R.T.: 4.678 min
Delta R.T.: 0.005 min
Response: 6036831
Conc: 47.13 ug/ml



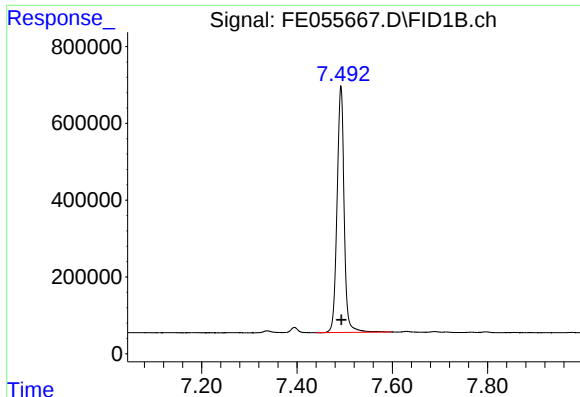
#3 A~Naphthalene (C11.7)

R.T.: 6.392 min
Delta R.T.: 0.000 min
Response: 7153342
Conc: 49.24 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.848 min
Delta R.T.: 0.000 min
Response: 6373411
Conc: 48.95 ug/ml



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

R.T.: 7.492 min
Delta R.T.: -0.001 min
Response: 6654074
Conc: 47.31 ug/ml

Instrument :

FID_E

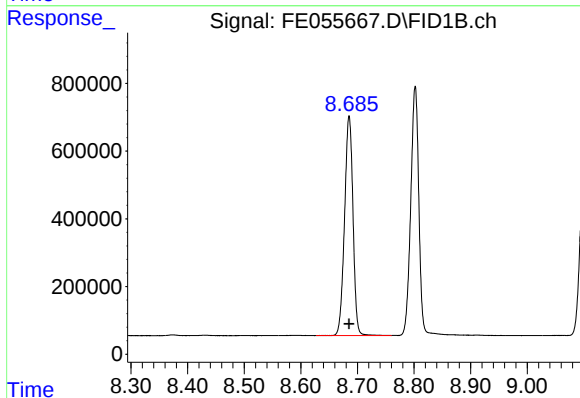
ClientSampleId :

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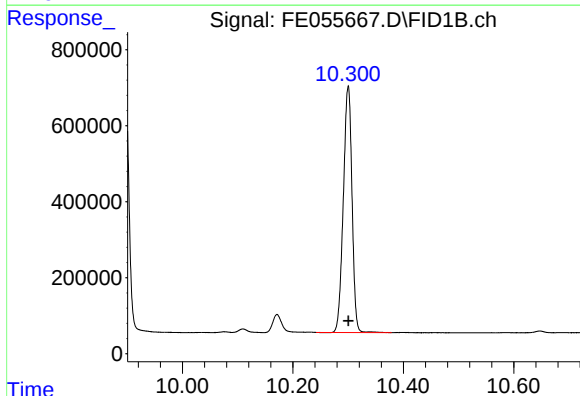
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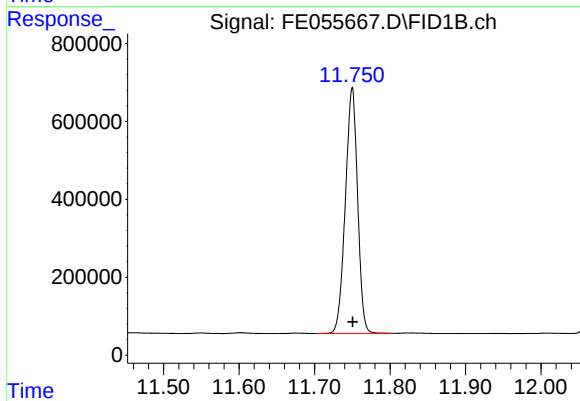
#6 n-Tetradecane (C14)

R.T.: 8.685 min
Delta R.T.: 0.000 min
Response: 6710822
Conc: 50.96 ug/ml



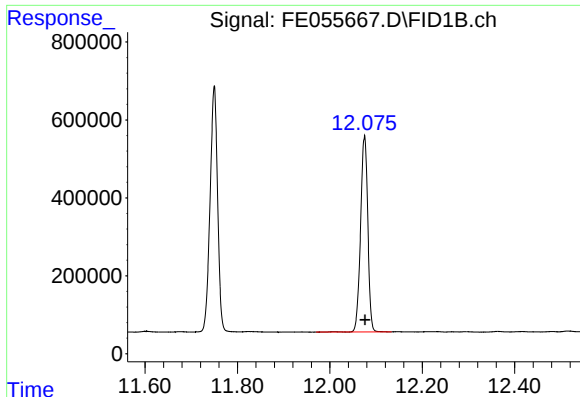
#7 n-Hexadecane (C16)

R.T.: 10.300 min
Delta R.T.: 0.000 min
Response: 7083963
Conc: 51.15 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.750 min
Delta R.T.: 0.000 min
Response: 7130707
Conc: 48.89 ug/ml



#9 ortho-Terphenyl (SURR)

R.T.: 12.075 min
Delta R.T.: -0.002 min
Response: 5458401
Conc: 33.23 ug/ml

Instrument :

FID_E

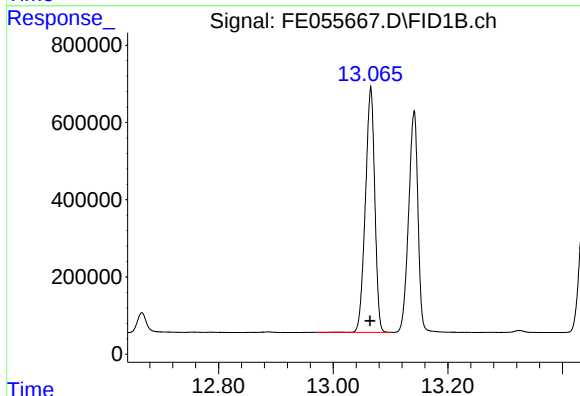
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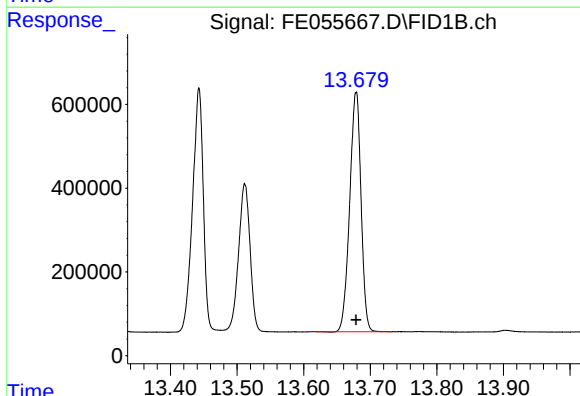
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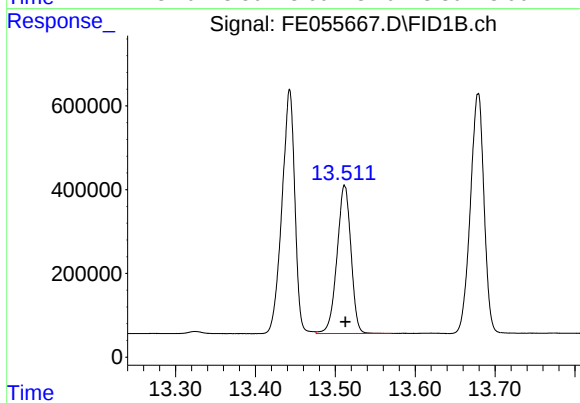
#10 n-Eicosane (C20)

R.T.: 13.065 min
Delta R.T.: 0.000 min
Response: 7223282
Conc: 50.18 ug/ml



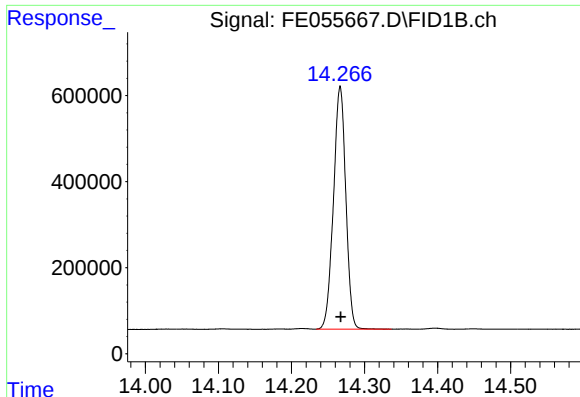
#11 n-Heneicosane (C21)

R.T.: 13.679 min
Delta R.T.: 0.000 min
Response: 6773074
Conc: 47.42 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.512 min
Delta R.T.: -0.001 min
Response: 4286336
Conc: 34.28 ug/ml



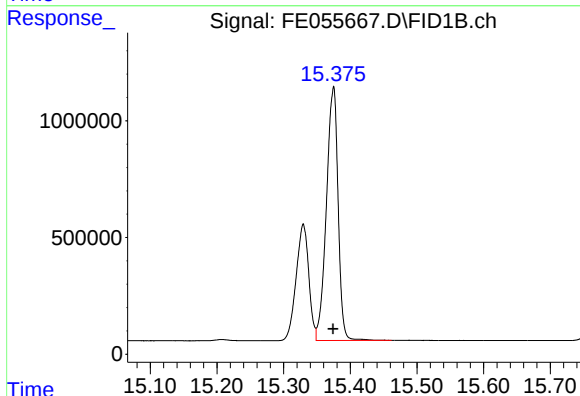
#13 n-Docosane (C22)

R.T.: 14.267 min
Delta R.T.: 0.000 min
Response: 6626400
Conc: 46.29 ug/ml

Instrument :
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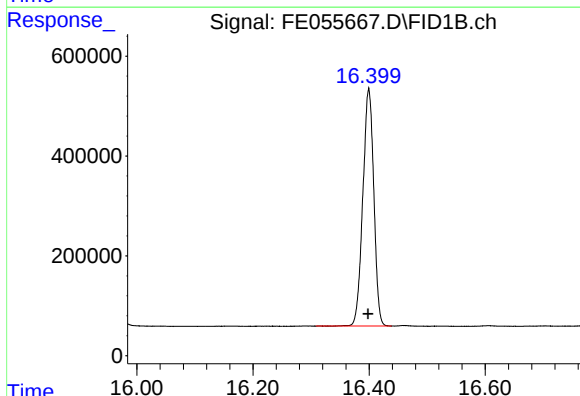
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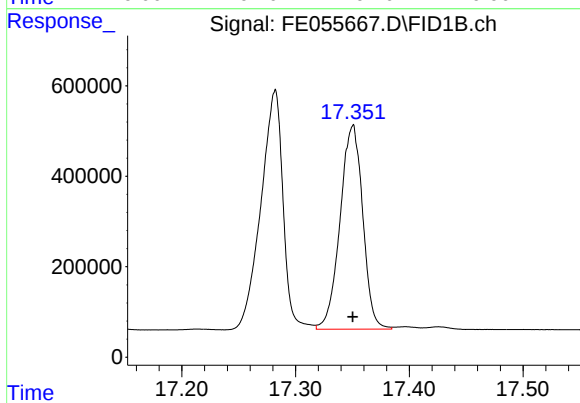
#14 n-Tetracosane (C24)

R.T.: 15.374 min
Delta R.T.: 0.000 min
Response: 13259696
Conc: 91.64 ug/ml



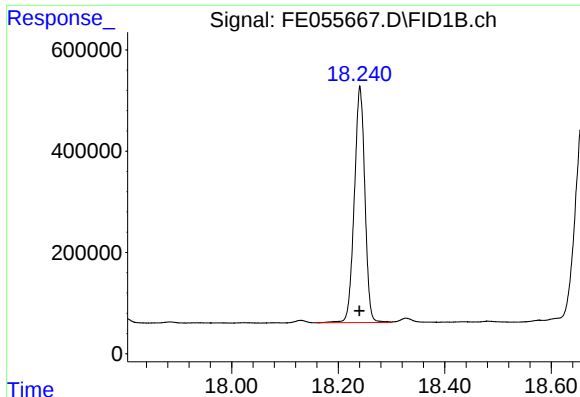
#15 n-Hexacosane (C26)

R.T.: 16.399 min
Delta R.T.: 0.001 min
Response: 6231227
Conc: 43.62 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.351 min
Delta R.T.: 0.000 min
Response: 6253077
Conc: 43.96 ug/ml m



#17 n-Tricontane (C30)

R.T.: 18.241 min
Delta R.T.: 0.001 min
Response: 6404998
Conc: 43.33 ug/ml

Instrument :

FID_E

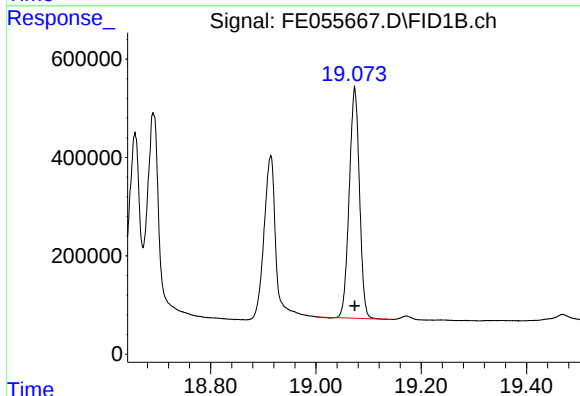
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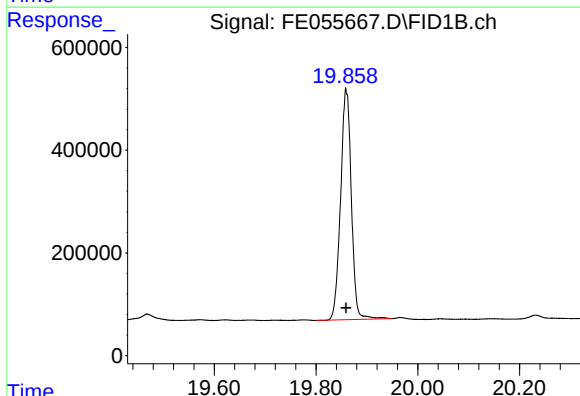
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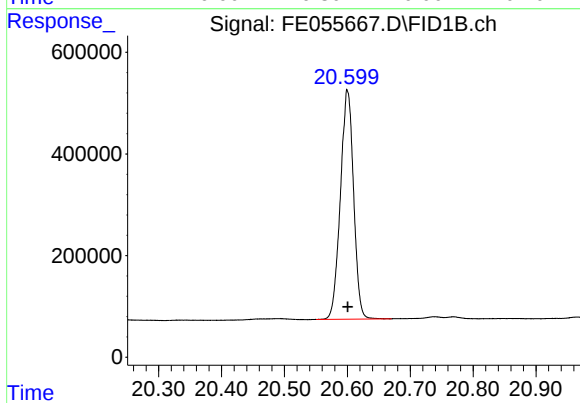
#18 n-Dotriacontane (C32)

R.T.: 19.074 min
Delta R.T.: 0.000 min
Response: 6335875
Conc: 43.17 ug/ml



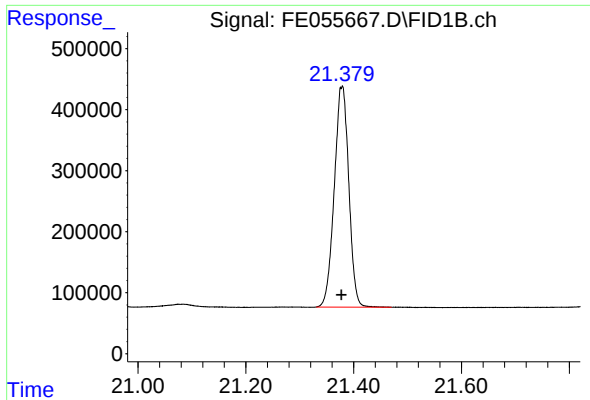
#19 n-Tetratriacontane (C34)

R.T.: 19.859 min
Delta R.T.: 0.000 min
Response: 6591289
Conc: 46.65 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.600 min
Delta R.T.: 0.000 min
Response: 6573182
Conc: 49.81 ug/ml



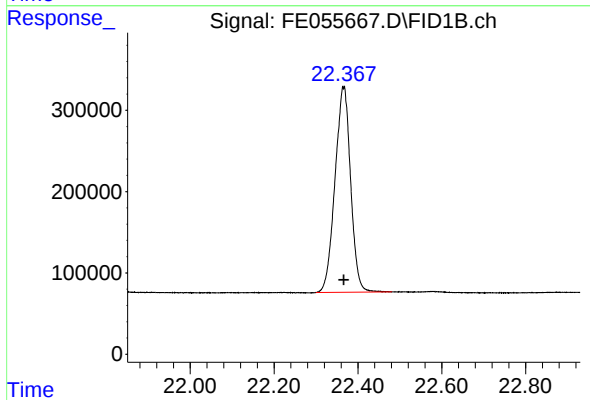
#21 n-Octatriacontane (C38)

R.T.: 21.378 min
Delta R.T.: 0.001 min
Response: 6762774
Conc: 51.93 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.366 min
Delta R.T.: 0.000 min
Response: 6536128
Conc: 50.97 ug/ml