

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070325AL\
 Data File : FE054687.D
 Signal(s) : FID1B.ch
 Acq On : 03 Jul 2025 12:40
 Operator : YP\AJ
 Sample : PB168635BSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 PB168635BSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/07/2025
 Supervised By :mohammad ahmed 07/08/2025

Integration File: autoint1.e
 Quant Time: Jul 04 03:00:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 Qlast Update : Fri Jun 27 15:19:13 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)	12.077	6596610	40.621 ug/ml
Spiked Amount 50.000		Recovery =	81.24%
12) S 1-chlorooctadecane (S...	13.512	5238795	41.481 ug/ml
Spiked Amount 50.000		Recovery =	82.96%
Target Compounds			
1) T n-Nonane (C9)	3.430	5545518	41.228 ug/ml
2) T n-Decane (C10)	4.682	5983972	43.855 ug/ml
3) T A~Naphthalene (C11.7)	6.393	7389978	48.807 ug/ml
4) T n-Dodecane (C12)	6.852	6210104	45.261 ug/ml
5) T A~2-methylnaphthalene...	7.493	6903146	46.959 ug/ml
6) T n-Tetradecane (C14)	8.689	6261317	45.167 ug/ml
7) T n-Hexadecane (C16)	10.303	6335411	44.456 ug/ml
8) T n-Octadecane (C18)	11.752	6270860	42.789 ug/ml
10) T n-Eicosane (C20)	13.066	6377148	44.349 ug/ml
11) T n-Heneicosane (C21)	13.679	6092808	42.657 ug/ml
13) T n-Docosane (C22)	14.268	6008392	42.079 ug/ml
14) T n-Tetracosane (C24)	15.370	12532177	86.212 ug/ml
15) T n-Hexacosane (C26)	16.398	5758856	39.794 ug/ml
16) T n-Octacosane (C28)	17.349	5639321	38.695 ug/ml
17) T n-Tricontane (C30)	18.239	5707606	36.219 ug/ml
18) T n-Dotriacontane (C32)	19.070	5683364	35.129 ug/ml
19) T n-Tetratriacontane (C34)	19.856	5999560	39.369 ug/ml
20) T n-Hexatriacontane (C36)	20.598	5836197	43.406 ug/ml
21) T n-Octatriacontane (C38)	21.374	6187638	52.758 ug/ml
22) T n-Tetracontane (C40)	22.366	6111934	56.391 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP\AJ
Sample : PB168635BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

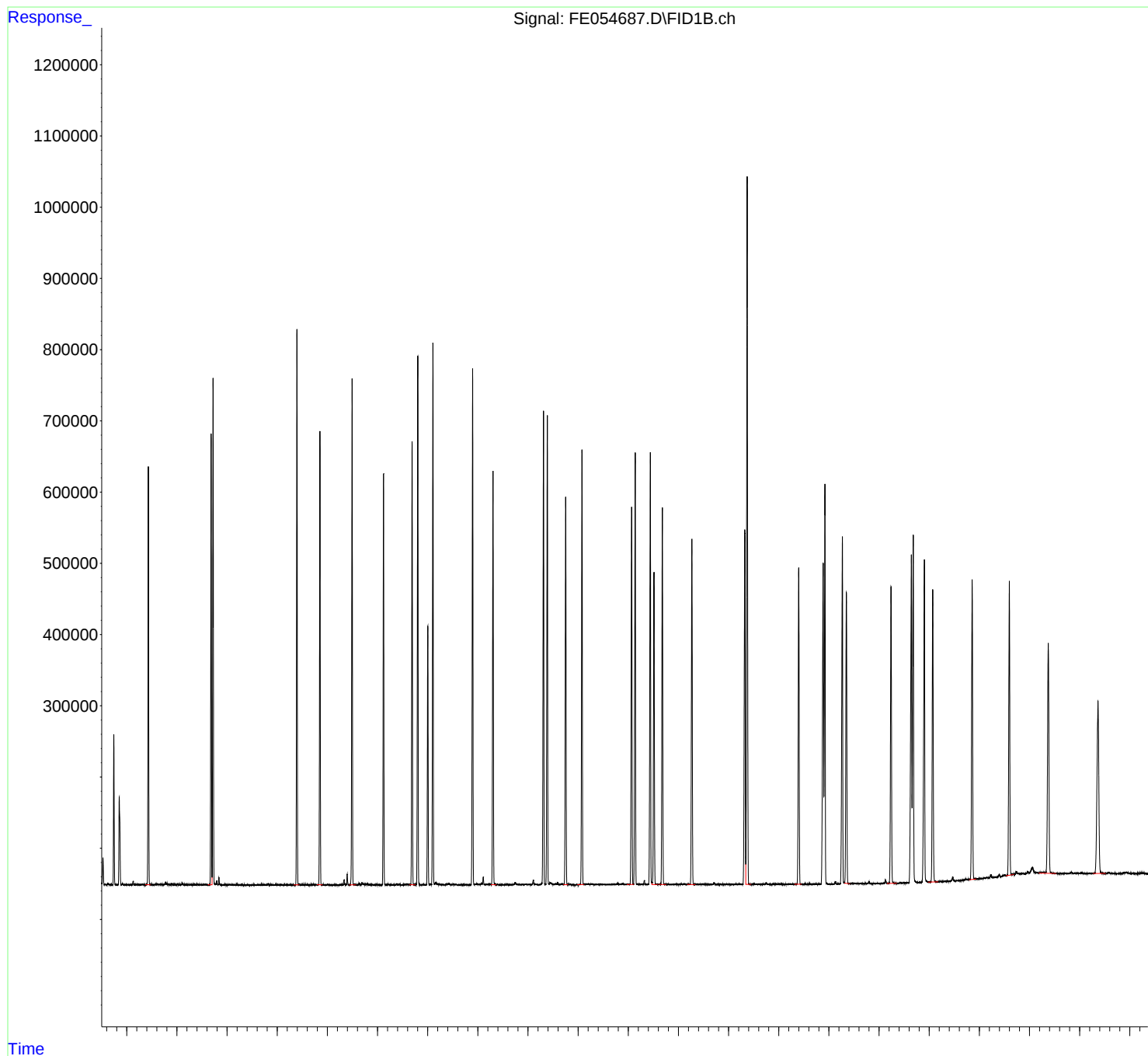
Instrument :
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PB168635BSD

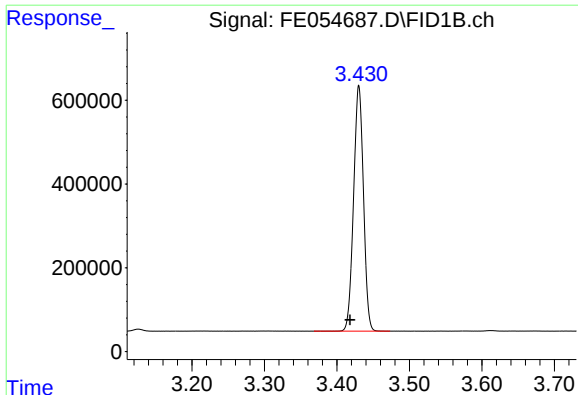
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#1 n-Nonane (C9)

R.T.: 3.430 min
Delta R.T.: 0.012 min
Response: 5545518
Conc: 41.23 ug/ml

Instrument :

FID_E

ClientSampleId :

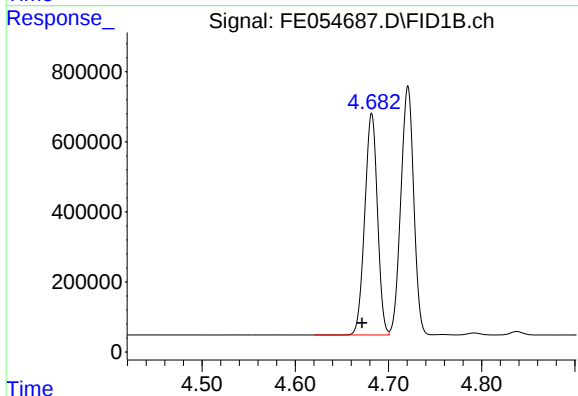
PB168635BSD

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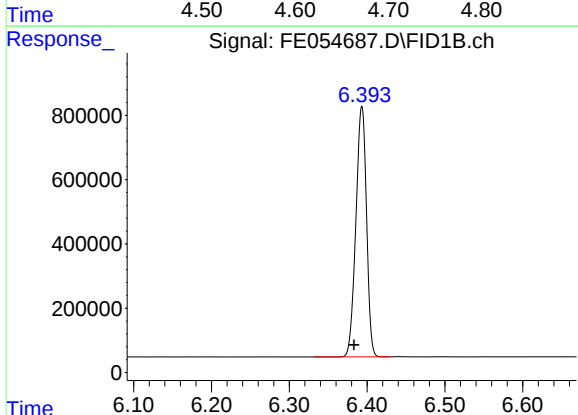
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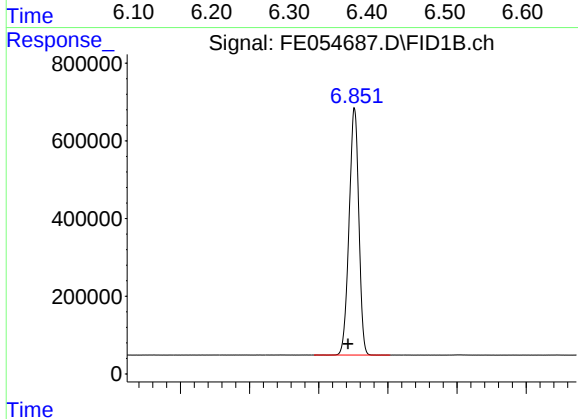
#2 n-Decane (C10)

R.T.: 4.682 min
Delta R.T.: 0.010 min
Response: 5983972
Conc: 43.85 ug/ml



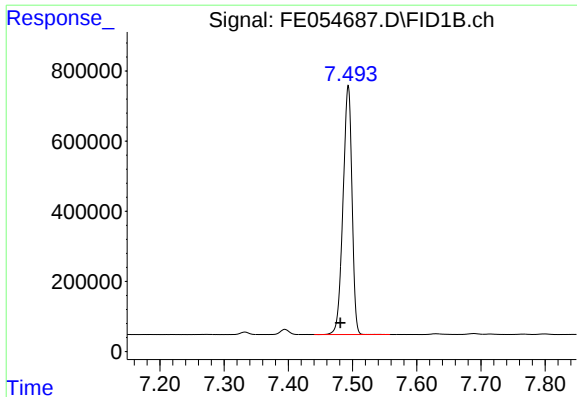
#3 A~Naphthalene (C11.7)

R.T.: 6.393 min
Delta R.T.: 0.010 min
Response: 7389978
Conc: 48.81 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.852 min
Delta R.T.: 0.009 min
Response: 6210104
Conc: 45.26 ug/ml



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

R.T.: 7.493 min
Delta R.T.: 0.012 min
Response: 6903146
Conc: 46.96 ug/ml

Instrument :

FID_E

ClientSampleId :

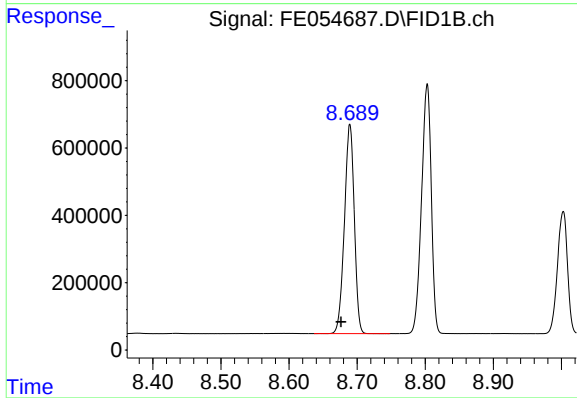
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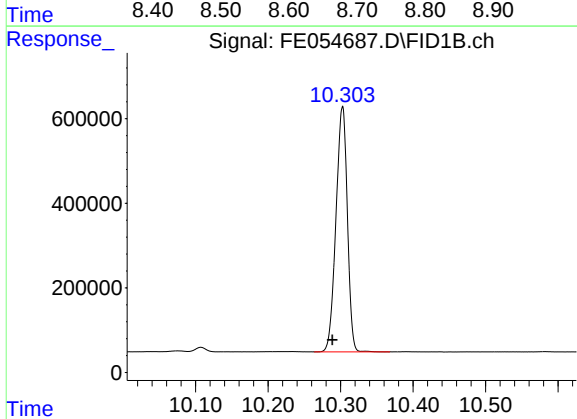
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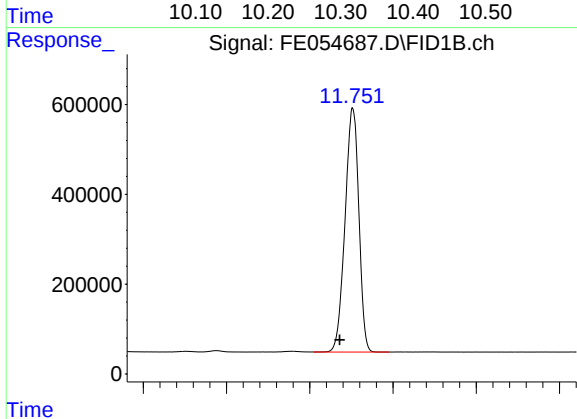
#6 n-Tetradecane (C14)

R.T.: 8.689 min
Delta R.T.: 0.013 min
Response: 6261317
Conc: 45.17 ug/ml



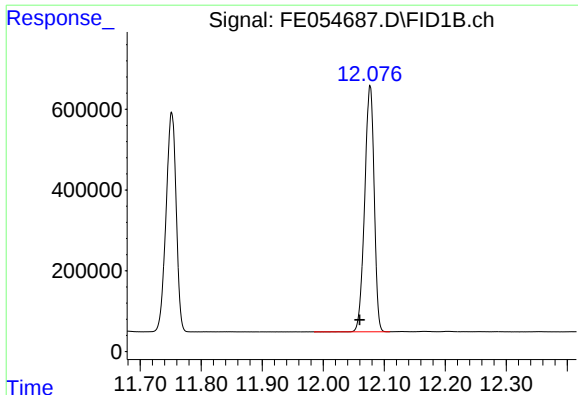
#7 n-Hexadecane (C16)

R.T.: 10.303 min
Delta R.T.: 0.014 min
Response: 6335411
Conc: 44.46 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.752 min
Delta R.T.: 0.016 min
Response: 6270860
Conc: 42.79 ug/ml



#9 ortho-Terphenyl (SURR)

R.T.: 12.077 min
Delta R.T.: 0.017 min
Response: 6596610
Conc: 40.62 ug/ml

Instrument :

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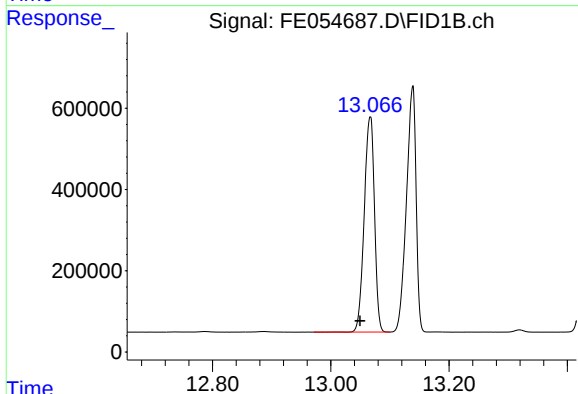
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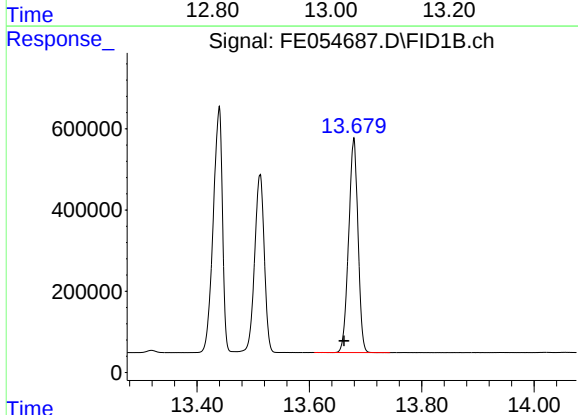
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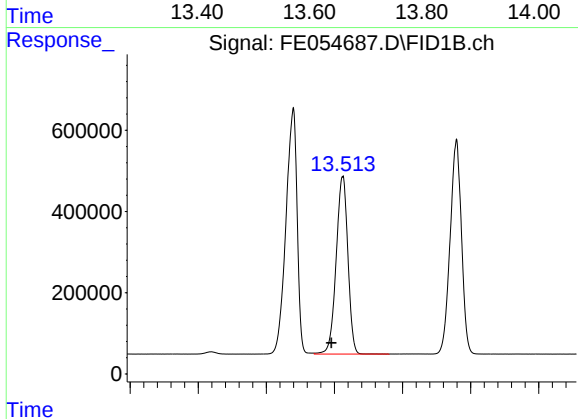
#10 n-Eicosane (C20)

R.T.: 13.066 min
Delta R.T.: 0.017 min
Response: 6377148
Conc: 44.35 ug/ml



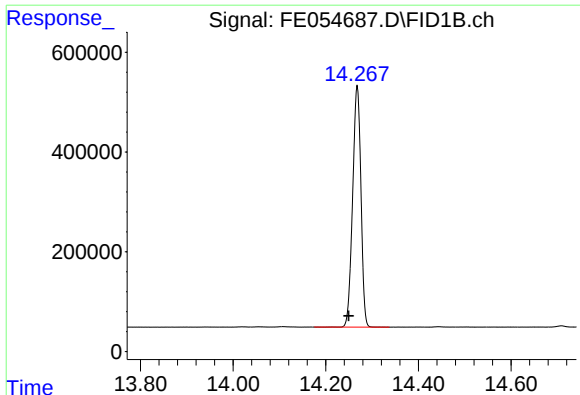
#11 n-Heneicosane (C21)

R.T.: 13.679 min
Delta R.T.: 0.017 min
Response: 6092808
Conc: 42.66 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.512 min
Delta R.T.: 0.017 min
Response: 5238795
Conc: 41.48 ug/ml



#13 n-Docosane (C22)

R.T.: 14.268 min
Delta R.T.: 0.018 min
Response: 6008392
Conc: 42.08 ug/ml

Instrument :

FID_E

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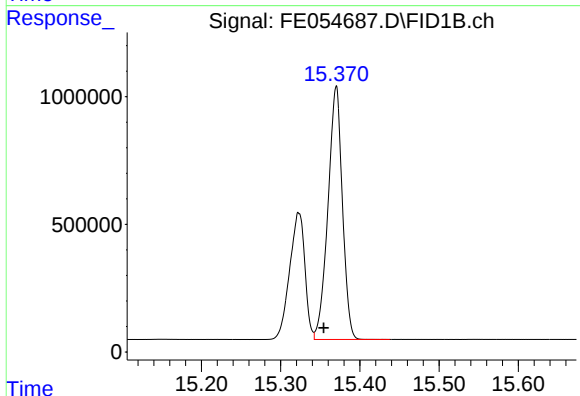
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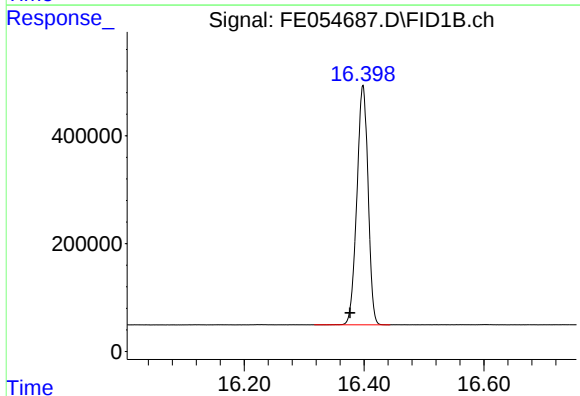
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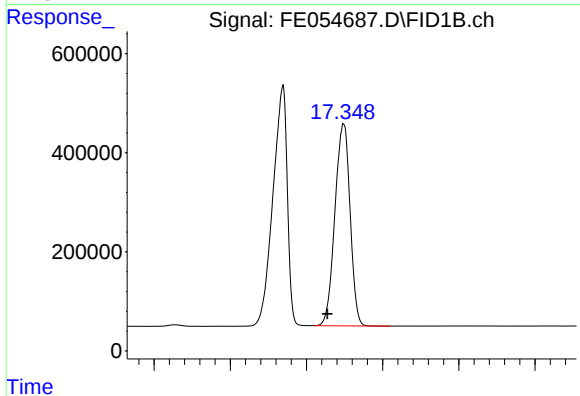
#14 n-Tetracosane (C24)

R.T.: 15.370 min
Delta R.T.: 0.016 min
Response: 12532177
Conc: 86.21 ug/ml



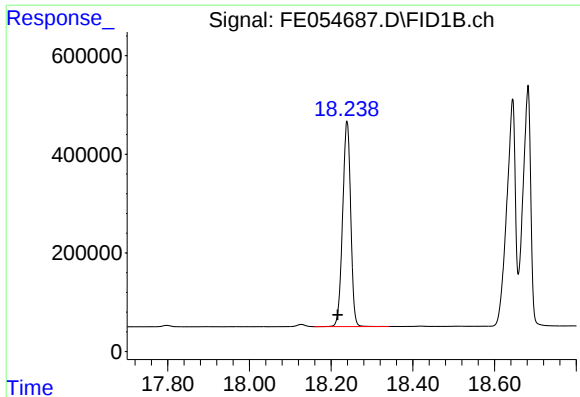
#15 n-Hexacosane (C26)

R.T.: 16.398 min
Delta R.T.: 0.022 min
Response: 5758856
Conc: 39.79 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.349 min
Delta R.T.: 0.021 min
Response: 5639321
Conc: 38.69 ug/ml



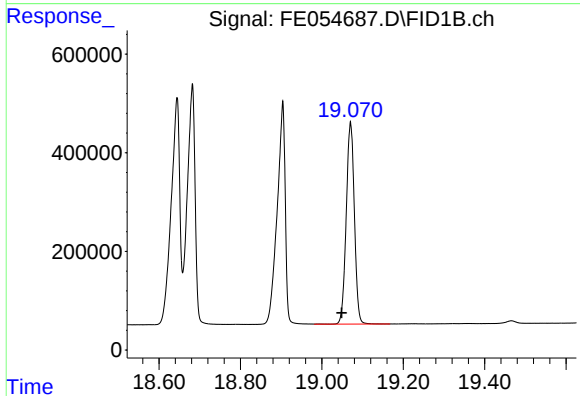
#17 n-Tricontane (C30)

R.T.: 18.239 min
Delta R.T.: 0.023 min
Response: 5707606
Conc: 36.22 ug/ml

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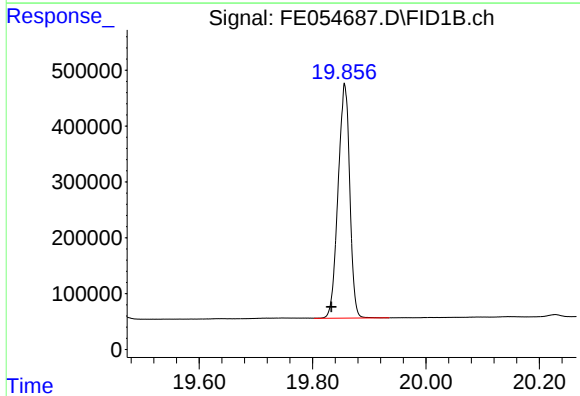
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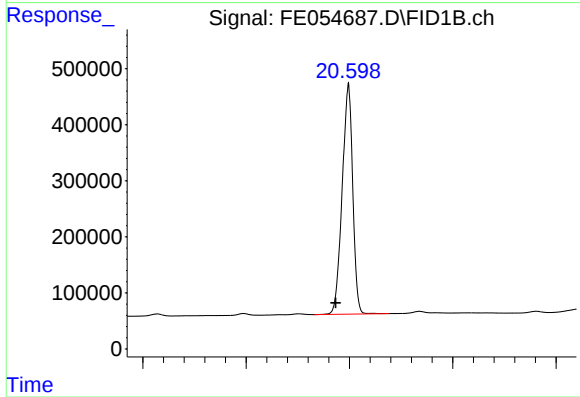
#18 n-Dotriacontane (C32)

R.T.: 19.070 min
Delta R.T.: 0.021 min
Response: 5683364
Conc: 35.13 ug/ml



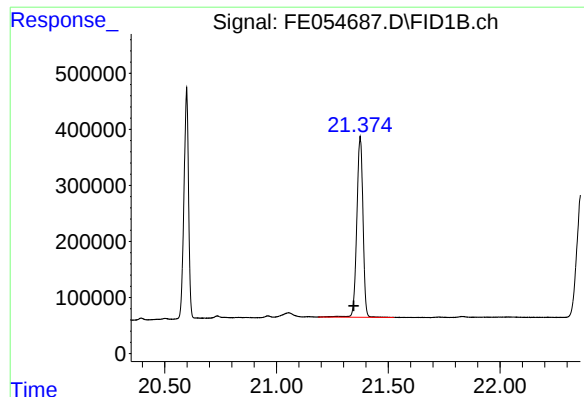
#19 n-Tetratriacontane (C34)

R.T.: 19.856 min
Delta R.T.: 0.023 min
Response: 5999560
Conc: 39.37 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.598 min
Delta R.T.: 0.025 min
Response: 5836197
Conc: 43.41 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.374 min
Delta R.T.: 0.028 min
Response: 6187638
Conc: 52.76 ug/ml

Instrument :

FID_E

ClientSampleId :

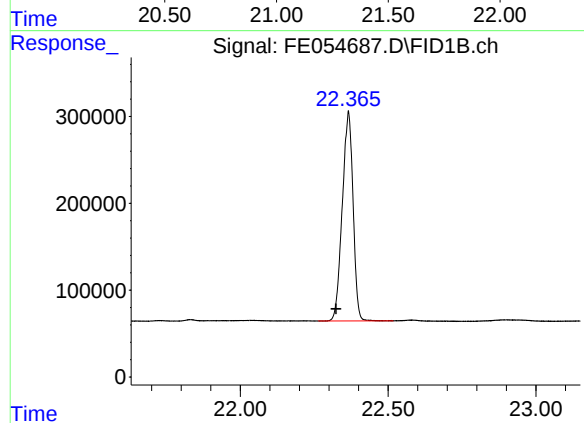
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#22 n-Tetracontane (C40)

R.T.: 22.366 min
Delta R.T.: 0.042 min
Response: 6111934
Conc: 56.39 ug/ml