

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061325AL\
 Data File : FE054337.D
 Signal(s) : FID1B.ch
 Acq On : 12 Jun 2025 13:40
 Operator : YP\AJ
 Sample : Q2126-08
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 LOQ-WATER-02-QT2-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/13/2025
 Supervised By :mohammad ahmed 06/16/2025

Integration File: autoint1.e
 Quant Time: Jun 13 01:16:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
 Quant Title : GC Extractables
 QLast Update : Tue Jun 10 07:24:04 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			
12) S 1-chlorooctadecane (S...	13.273	5506964	45.158 ug/ml
Spiked Amount 50.000		Recovery =	90.32%
Target Compounds			
1) T n-Nonane (C9)	3.177	356210	2.869 ug/ml
2) T n-Decane (C10)	4.439	451426	3.633 ug/mlm
4) T n-Dodecane (C12)	6.621	480911	3.777 ug/ml
6) T n-Tetradecane (C14)	8.455	589355	4.552 ug/ml
7) T n-Hexadecane (C16)	10.067	639513	4.814 ug/ml
8) T n-Octadecane (C18)	11.513	696992	5.162 ug/ml
10) T n-Eicosane (C20)	12.825	744273	5.564 ug/ml
11) T n-Heneicosane (C21)	13.439	724783	5.451 ug/ml
13) T n-Docosane (C22)	14.026	711387	5.425 ug/ml
14) T n-Tetracosane (C24)	15.130	712700	5.525 ug/mlm
15) T n-Hexacosane (C26)	16.152	702365	5.595 ug/mlm
16) T n-Octacosane (C28)	17.104	680221	5.547 ug/mlm
17) T n-Tricontane (C30)	17.993	704110	5.681 ug/ml
18) T n-Dotriacontane (C32)	18.827	730765	5.816 ug/ml
19) T n-Tetratriacontane (C34)	19.612	761376	6.120 ug/mlm
20) T n-Hexatriacontane (C36)	20.353	724448	5.628 ug/mlm
21) T n-Octatriacontane (C38)	21.081	712399	5.395 ug/ml
22) T n-Tetracontane (C40)	21.967	728991	5.412 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP\AJ
Sample : Q2126-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

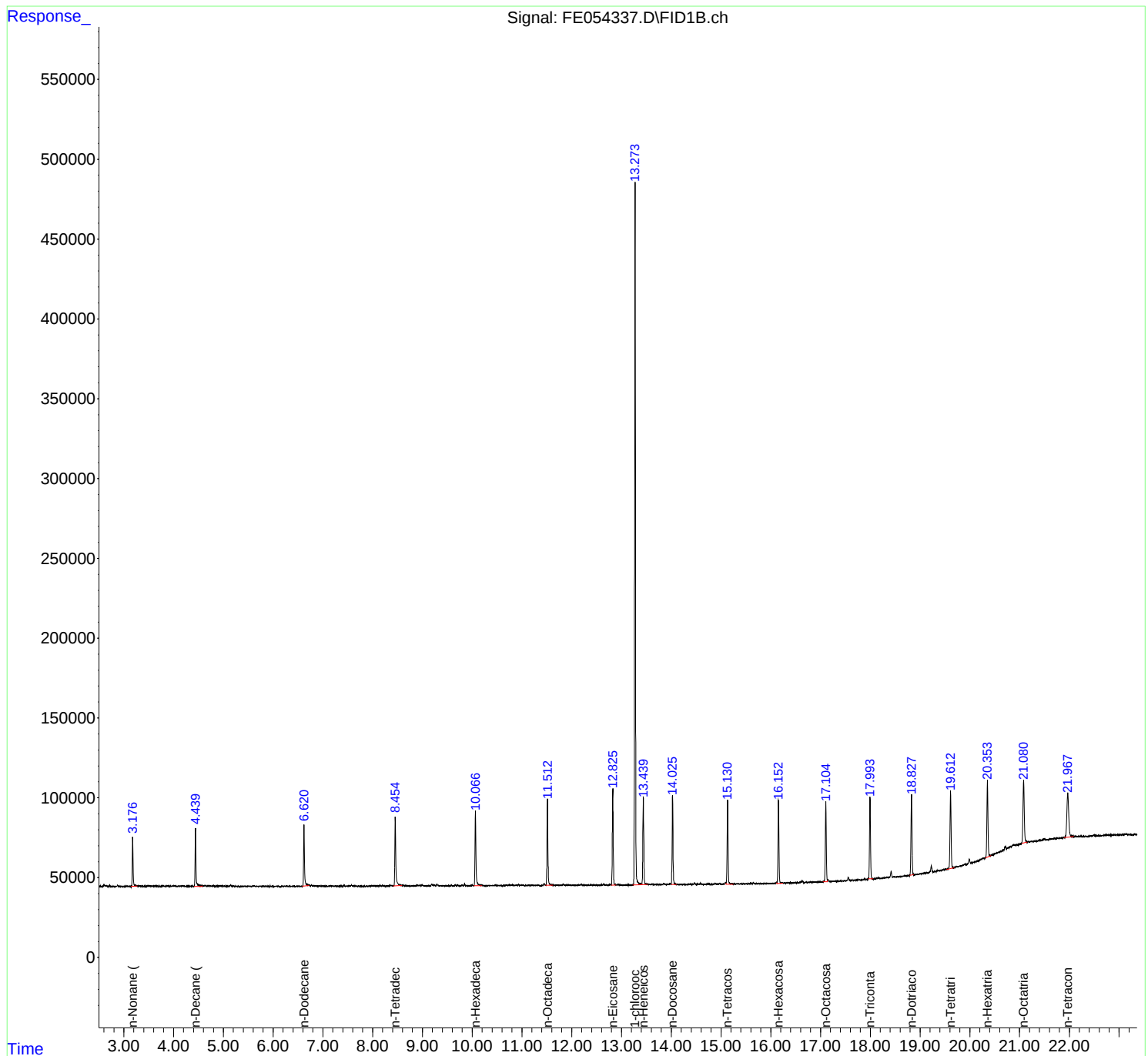
Instrument :
FID_E
ClientSampleId :
LOQ-WATER-02-QT2-2025

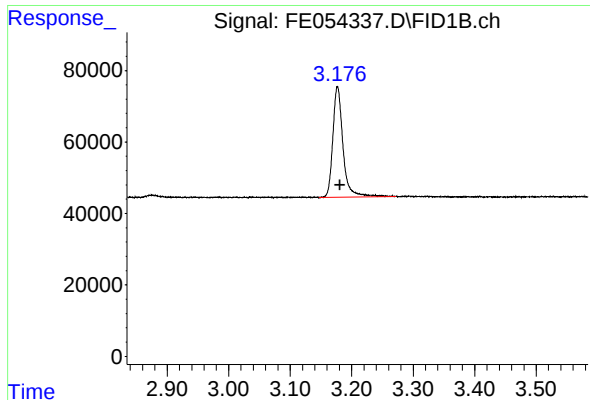
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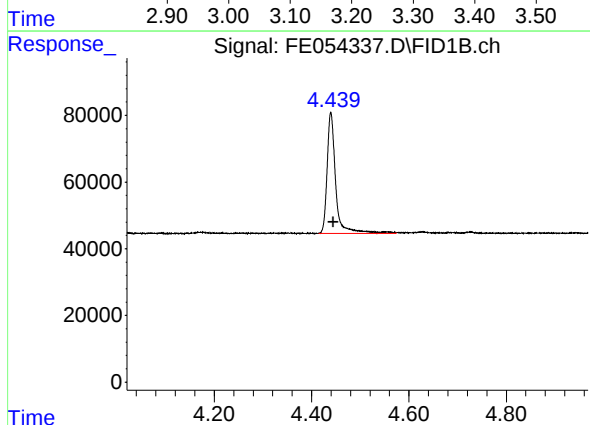
#1 n-Nonane (C9)

R.T.: 3.177 min
Delta R.T.: -0.004 min
Response: 356210
Conc: 2.87 ug/ml

Instrument :
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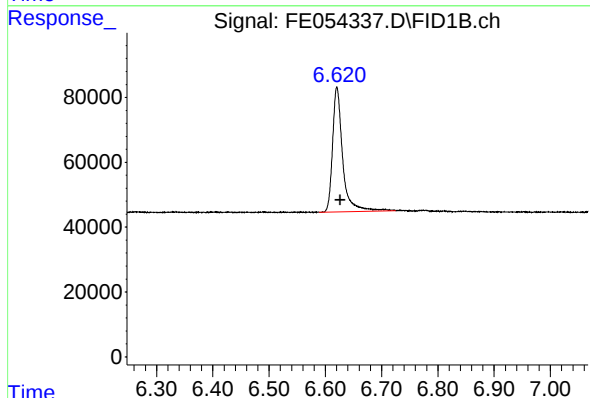
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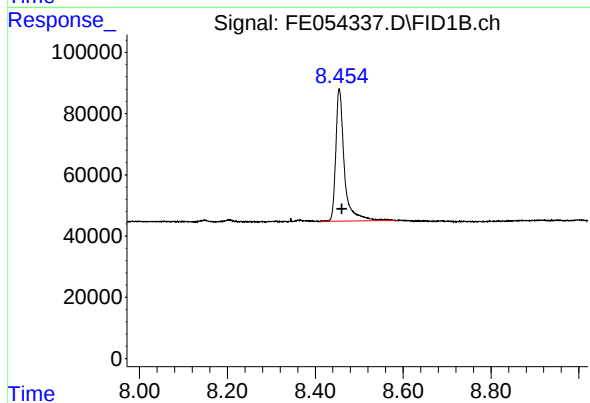
#2 n-Decane (C10)

R.T.: 4.439 min
Delta R.T.: -0.005 min
Response: 451426
Conc: 3.63 ug/ml m



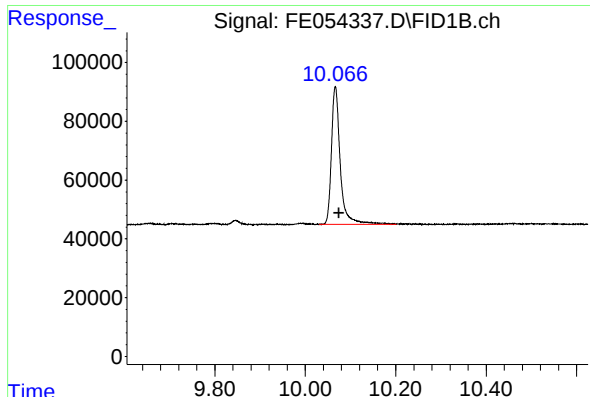
#4 n-Dodecane (C12)

R.T.: 6.621 min
Delta R.T.: -0.006 min
Response: 480911
Conc: 3.78 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.455 min
Delta R.T.: -0.006 min
Response: 589355
Conc: 4.55 ug/ml



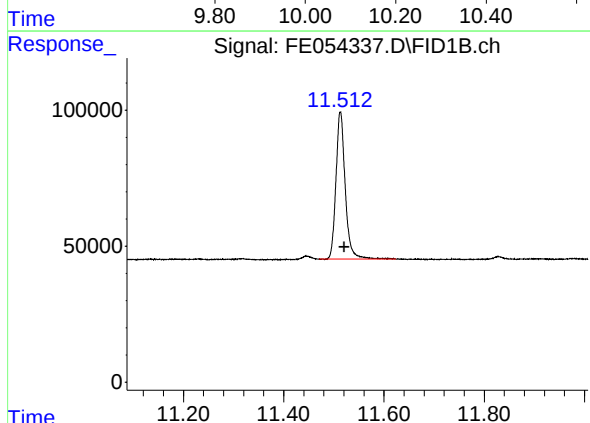
#7 n-Hexadecane (C16)

R.T.: 10.067 min
Delta R.T.: -0.008 min
Response: 639513
Conc: 4.81 ug/ml

Instrument :
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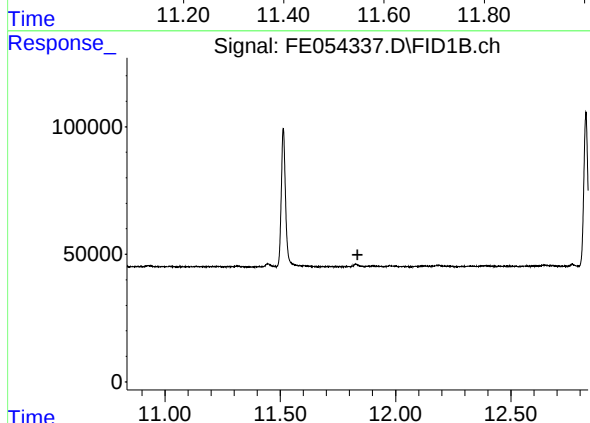
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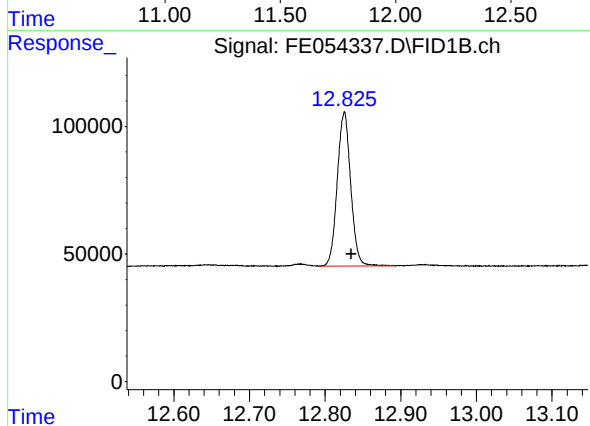
#8 n-Octadecane (C18)

R.T.: 11.513 min
Delta R.T.: -0.008 min
Response: 696992
Conc: 5.16 ug/ml



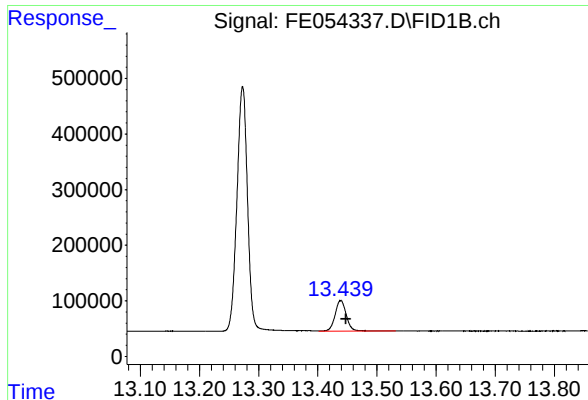
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.835 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.825 min
Delta R.T.: -0.009 min
Response: 744273
Conc: 5.56 ug/ml



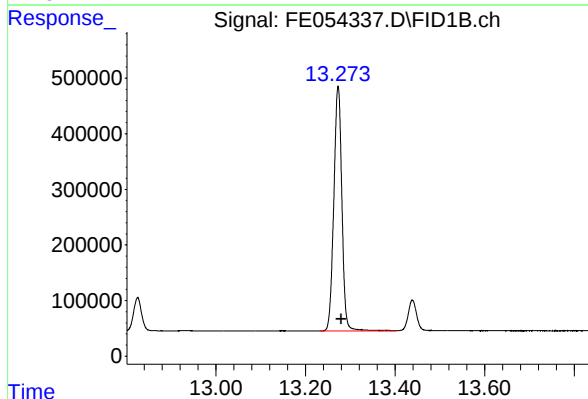
#11 n-Heneicosane (C21)

R.T.: 13.439 min
Delta R.T.: -0.009 min
Response: 724783
Conc: 5.45 ug/ml

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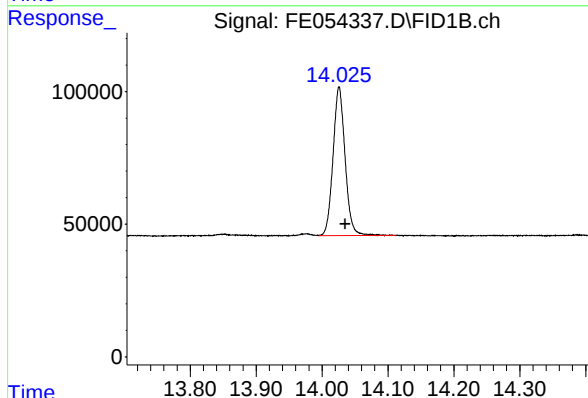
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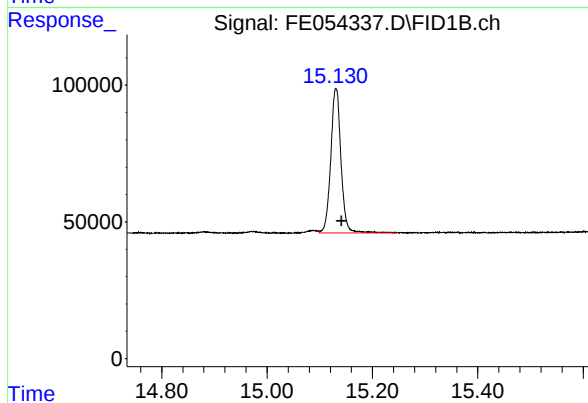
#12 1-chlorooctadecane (SURR)

R.T.: 13.273 min
Delta R.T.: -0.007 min
Response: 5506964
Conc: 45.16 ug/ml



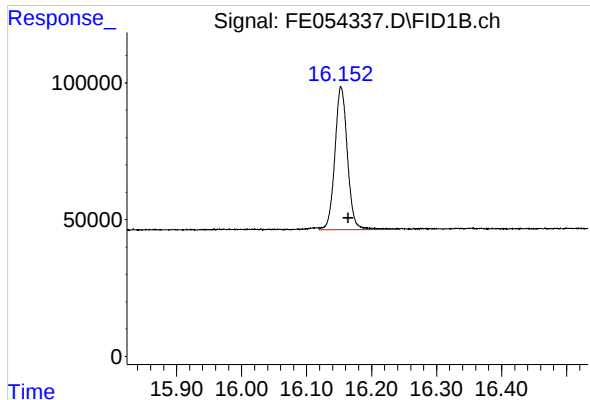
#13 n-Docosane (C22)

R.T.: 14.026 min
Delta R.T.: -0.009 min
Response: 711387
Conc: 5.43 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.130 min
Delta R.T.: -0.012 min
Response: 712700
Conc: 5.53 ug/ml m



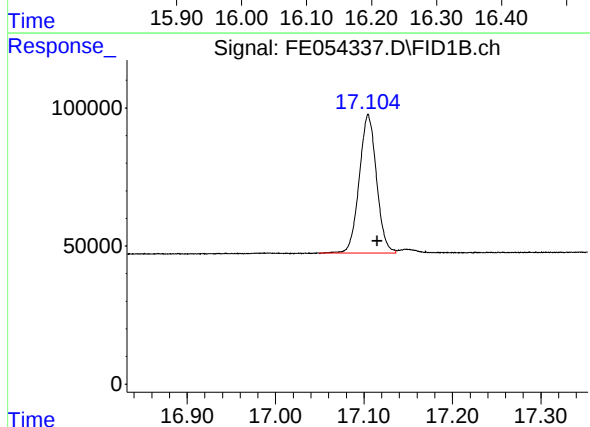
#15 n-Hexacosane (C26)

R.T.: 16.152 min
Delta R.T.: -0.012 min
Response: 702365
Conc: 5.60 ug/ml

Instrument :
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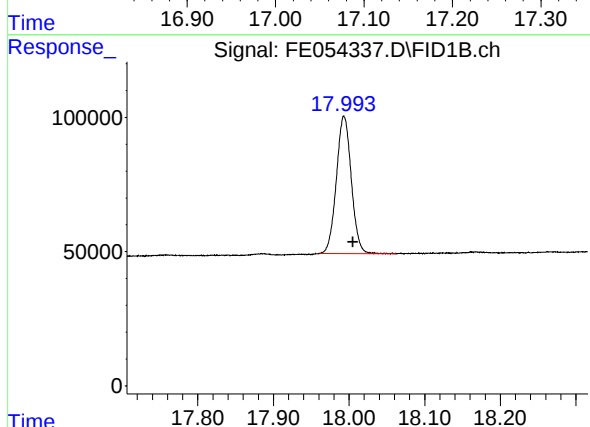
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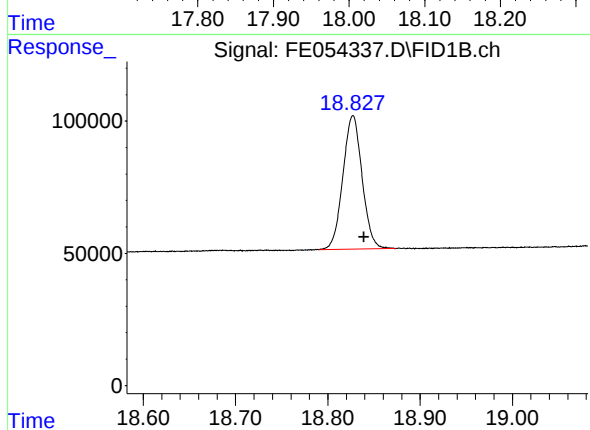
#16 n-Octacosane (C28)

R.T.: 17.104 min
Delta R.T.: -0.011 min
Response: 680221
Conc: 5.55 ug/ml m



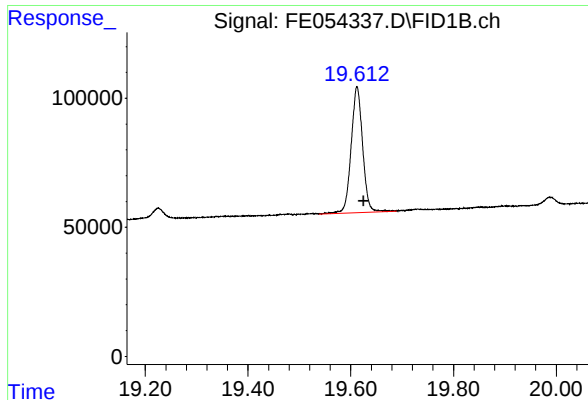
#17 n-Tricontane (C30)

R.T.: 17.993 min
Delta R.T.: -0.012 min
Response: 704110
Conc: 5.68 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.827 min
Delta R.T.: -0.012 min
Response: 730765
Conc: 5.82 ug/ml



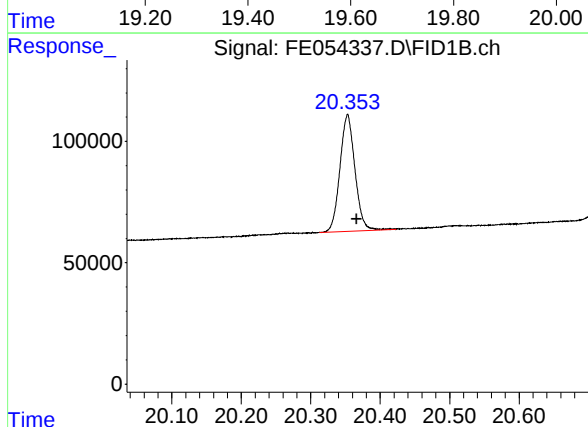
#19 n-Tetratriacontane (C34)

R.T.: 19.612 min
Delta R.T.: -0.013 min
Response: 761376
Conc: 6.12 ug/ml

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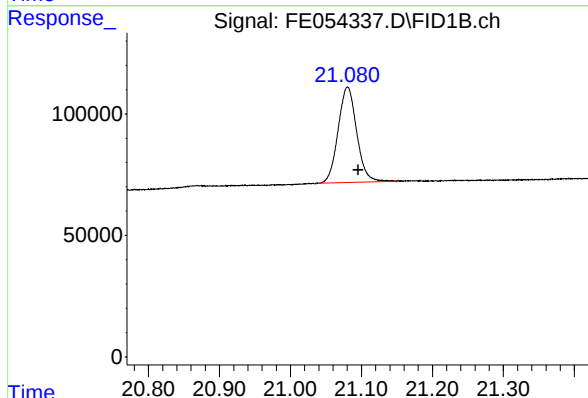
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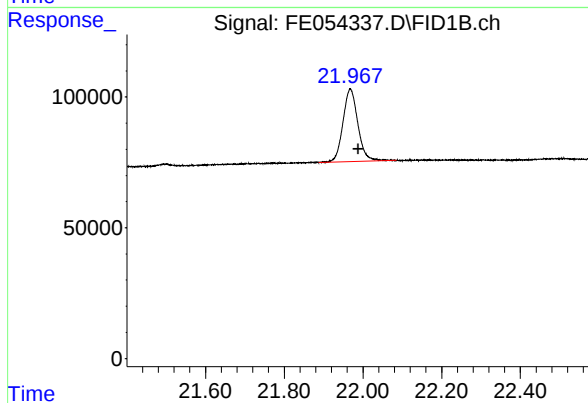
#20 n-Hexatriacontane (C36)

R.T.: 20.353 min
Delta R.T.: -0.013 min
Response: 724448
Conc: 5.63 ug/ml m



#21 n-Octatriacontane (C38)

R.T.: 21.081 min
Delta R.T.: -0.015 min
Response: 712399
Conc: 5.40 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.967 min
Delta R.T.: -0.021 min
Response: 728991
Conc: 5.41 ug/ml m