

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090525AL\
 Data File : FE055690.D
 Signal(s) : FID1B.ch
 Acq On : 05 Sep 2025 15:36
 Operator : YP\AJ
 Sample : Q2893-08
 Misc : 5 PPM WATER LOQ
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 LOQ-WATER-02-QT3-2025

Manual Integrations
 APPROVED

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

Integration File: sample.E
 Quant Time: Sep 06 01:43:53 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			
12) S 1-chlorooctadecane (S...	13.509	3575320	28.592 ug/ml
Spiked Amount 50.000		Recovery =	57.18%
Target Compounds			
1) T n-Nonane (C9)	3.411	323562	2.550 ug/ml
2) T n-Decane (C10)	4.669	392031	3.060 ug/ml
4) T n-Dodecane (C12)	6.844	434979	3.341 ug/ml
6) T n-Tetradecane (C14)	8.680	516377	3.921 ug/mlm
7) T n-Hexadecane (C16)	10.296	501816	3.623 ug/mlm
8) T n-Octadecane (C18)	11.745	567516	3.891 ug/ml
10) T n-Eicosane (C20)	13.059	612649	4.256 ug/ml
11) T n-Heneicosane (C21)	13.673	559402	3.916 ug/ml
13) T n-Docosane (C22)	14.262	589112	4.116 ug/ml
14) T n-Tetracosane (C24)	15.368	602382	4.163 ug/mlm
15) T n-Hexacosane (C26)	16.392	593861	4.157 ug/mlm
16) T n-Octacosane (C28)	17.344	675124	4.746 ug/ml
17) T n-Tricontane (C30)	18.233	968205	6.550 ug/ml
18) T n-Dotriacontane (C32)	19.068	1281374	8.730 ug/ml
19) T n-Tetratriacontane (C34)	19.853	1298332	9.189 ug/ml
20) T n-Hexatriacontane (C36)	20.595	1116874	8.464 ug/ml
21) T n-Octatriacontane (C38)	21.370	910261	6.989 ug/ml
22) T n-Tetracontane (C40)	22.352	737283	5.749 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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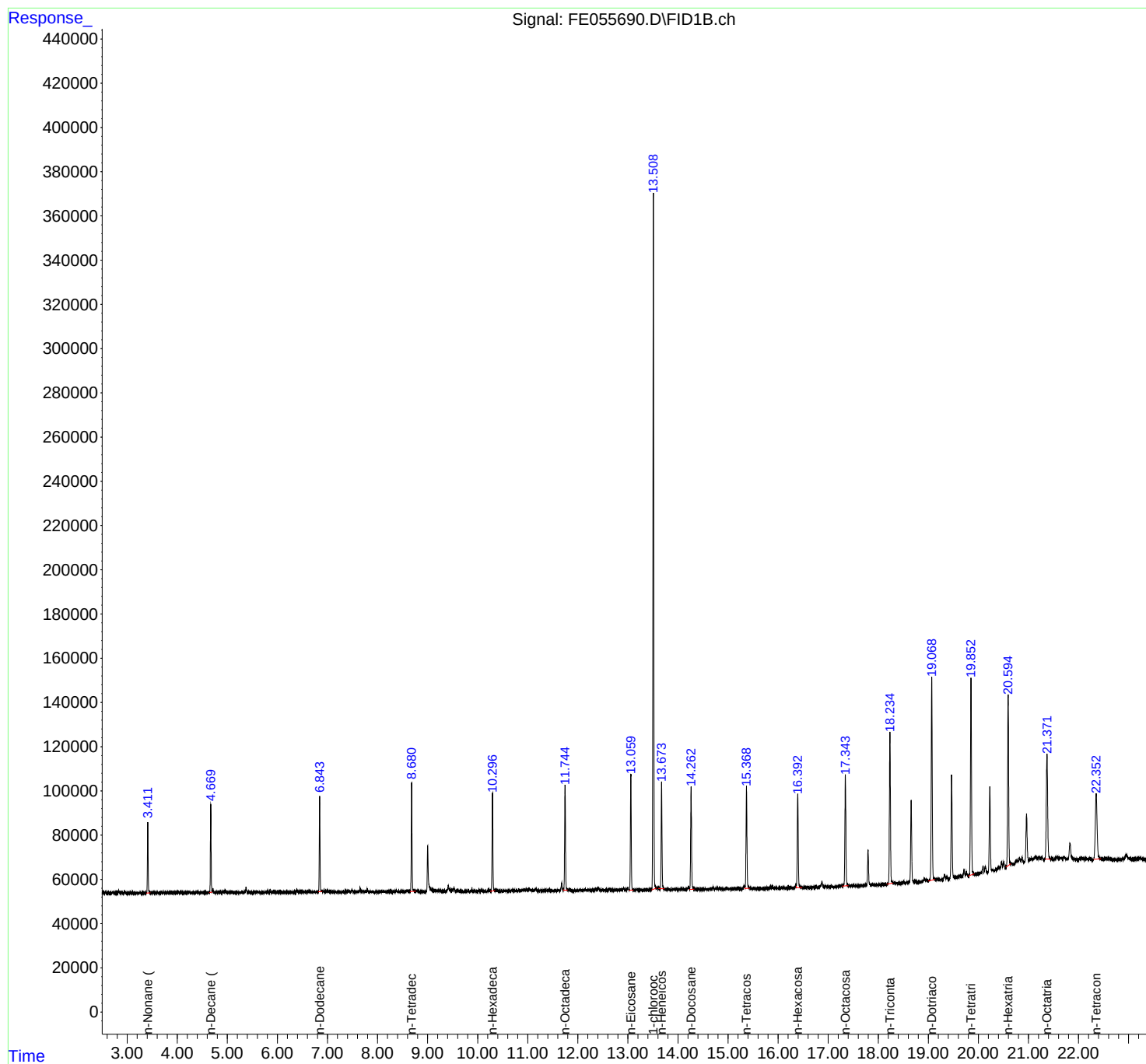
Instrument :
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LOQ-WATER-02-QT3-2025

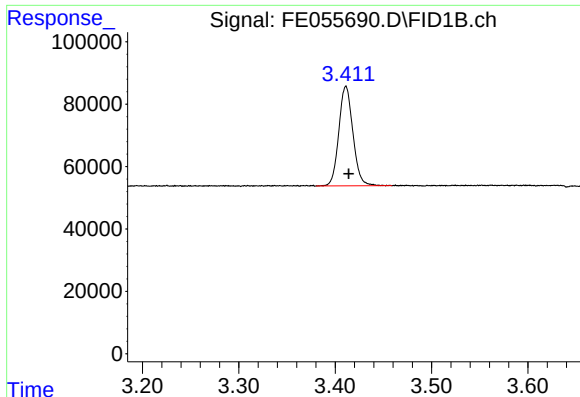
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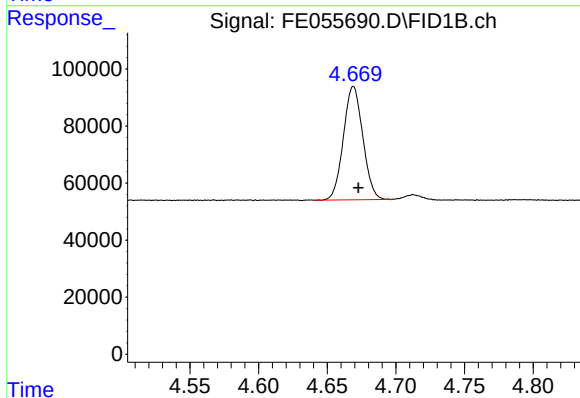
#1 n-Nonane (C9)

R.T.: 3.411 min
Delta R.T.: -0.003 min
Response: 323562
Conc: 2.55 ug/ml

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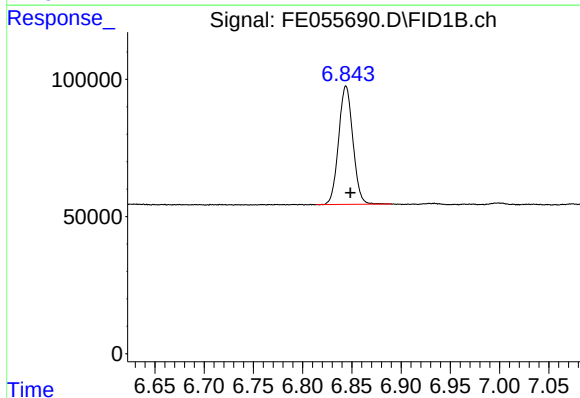
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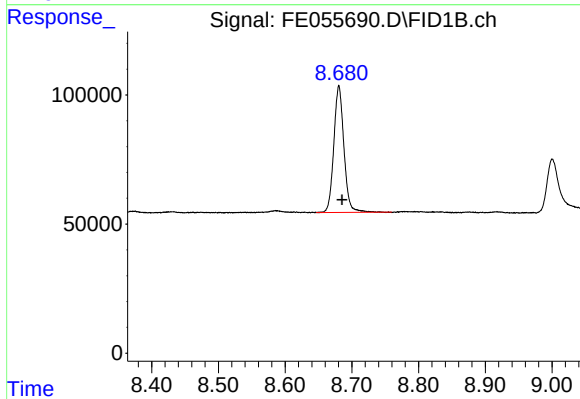
#2 n-Decane (C10)

R.T.: 4.669 min
Delta R.T.: -0.004 min
Response: 392031
Conc: 3.06 ug/ml



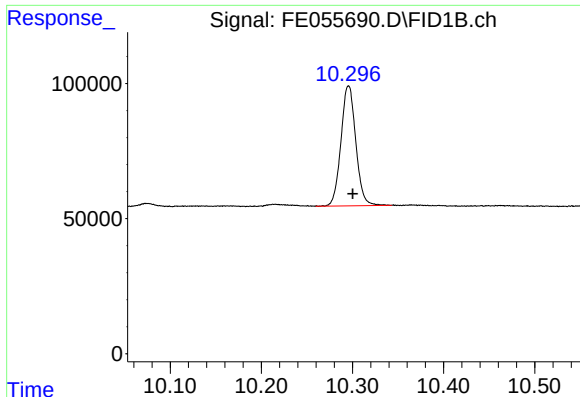
#4 n-Dodecane (C12)

R.T.: 6.844 min
Delta R.T.: -0.004 min
Response: 434979
Conc: 3.34 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.680 min
Delta R.T.: -0.005 min
Response: 516377
Conc: 3.92 ug/ml m



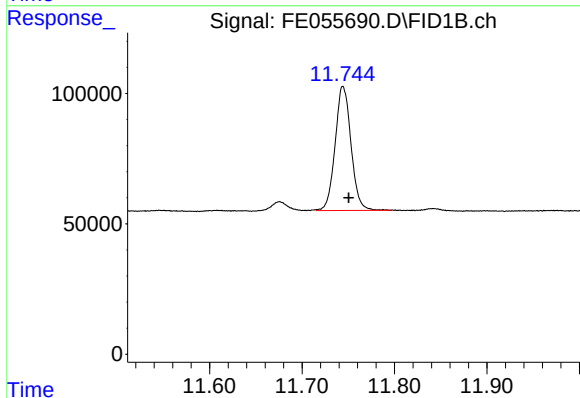
#7 n-Hexadecane (C16)

R.T.: 10.296 min
Delta R.T.: -0.005 min
Response: 501816
Conc: 3.62 ug/ml

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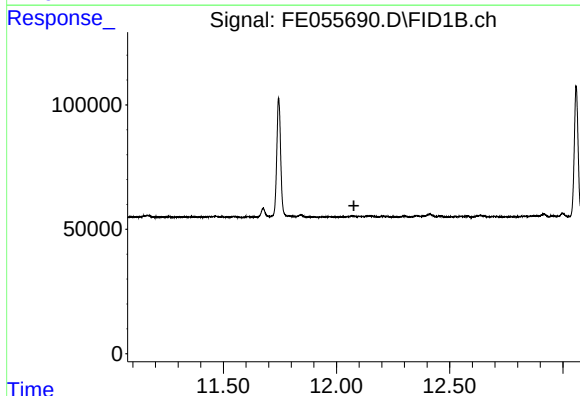
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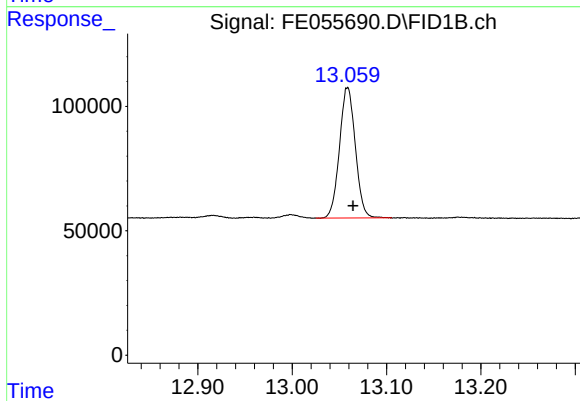
#8 n-Octadecane (C18)

R.T.: 11.745 min
Delta R.T.: -0.006 min
Response: 567516
Conc: 3.89 ug/ml



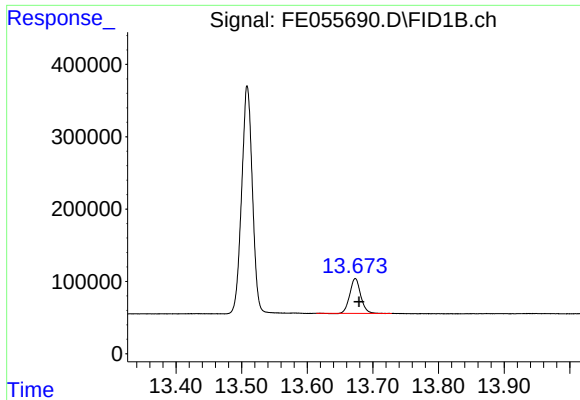
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 12.077 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 13.059 min
Delta R.T.: -0.006 min
Response: 612649
Conc: 4.26 ug/ml



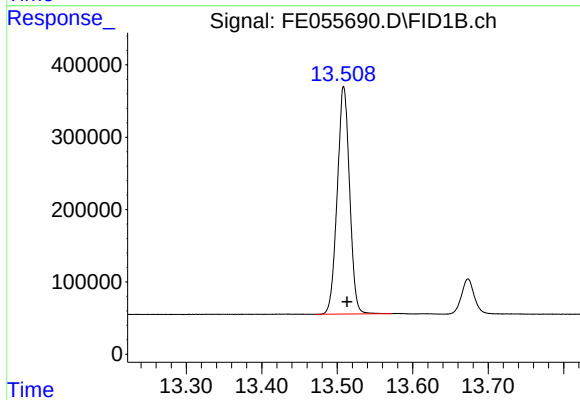
#11 n-Heneicosane (C21)

R.T.: 13.673 min
Delta R.T.: -0.006 min
Response: 559402
Conc: 3.92 ug/ml

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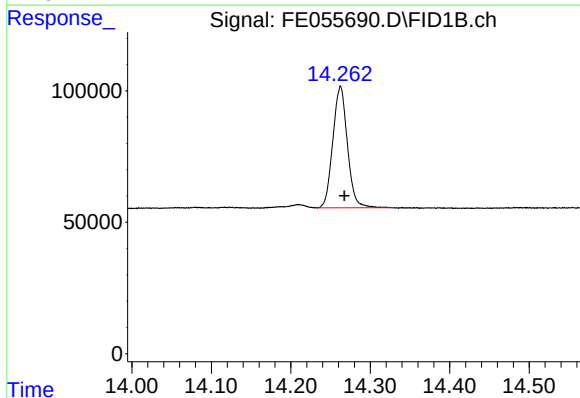
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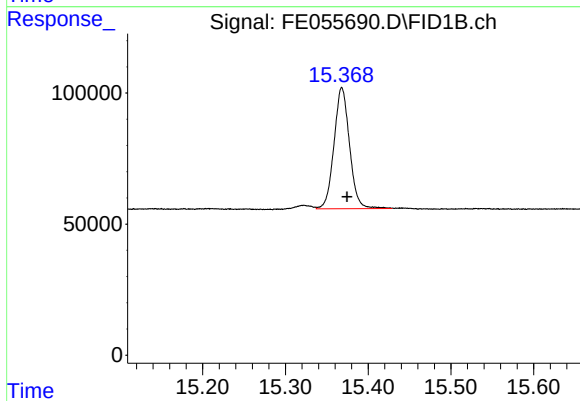
#12 1-chlorooctadecane (SURR)

R.T.: 13.509 min
Delta R.T.: -0.004 min
Response: 3575320
Conc: 28.59 ug/ml



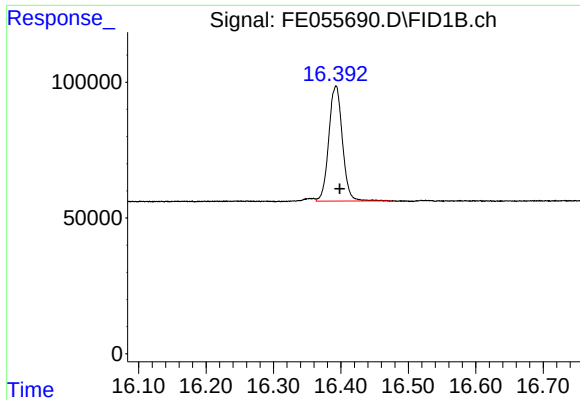
#13 n-Docosane (C22)

R.T.: 14.262 min
Delta R.T.: -0.005 min
Response: 589112
Conc: 4.12 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.368 min
Delta R.T.: -0.007 min
Response: 602382
Conc: 4.16 ug/ml m



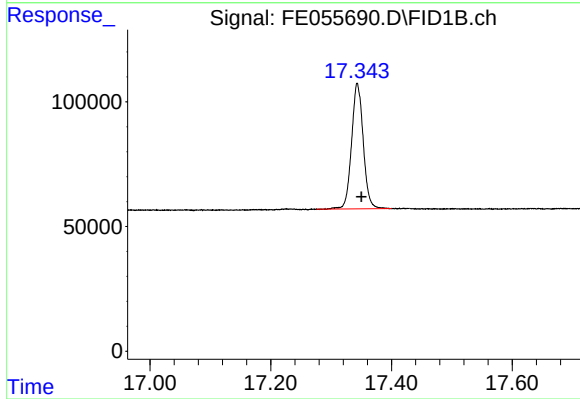
#15 n-Hexacosane (C26)

R.T.: 16.392 min
Delta R.T.: -0.006 min
Response: 593861
Conc: 4.16 ug/ml

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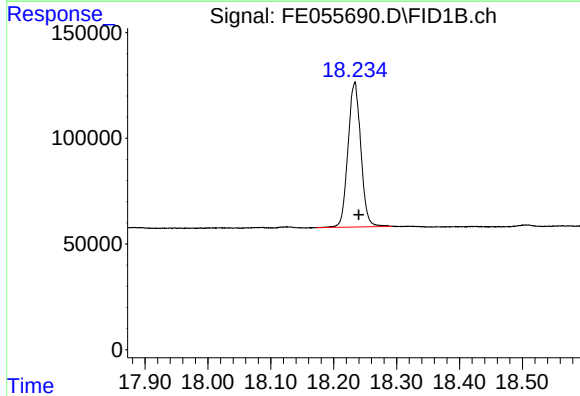
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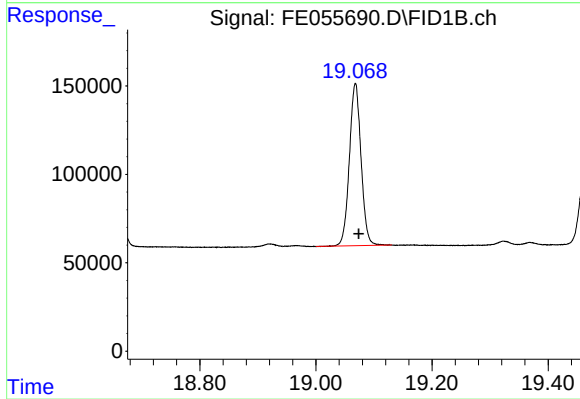
#16 n-Octacosane (C28)

R.T.: 17.344 min
Delta R.T.: -0.007 min
Response: 675124
Conc: 4.75 ug/ml



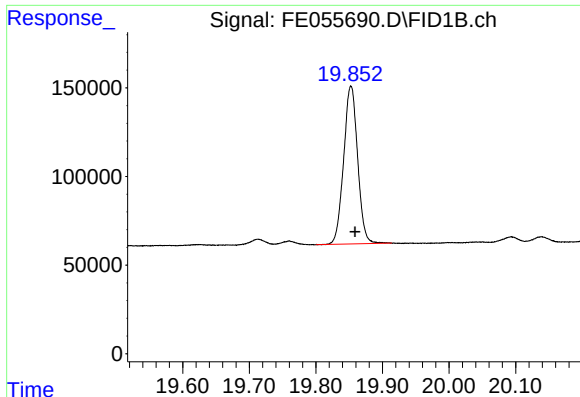
#17 n-Tricontane (C30)

R.T.: 18.233 min
Delta R.T.: -0.007 min
Response: 968205
Conc: 6.55 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 19.068 min
Delta R.T.: -0.006 min
Response: 1281374
Conc: 8.73 ug/ml



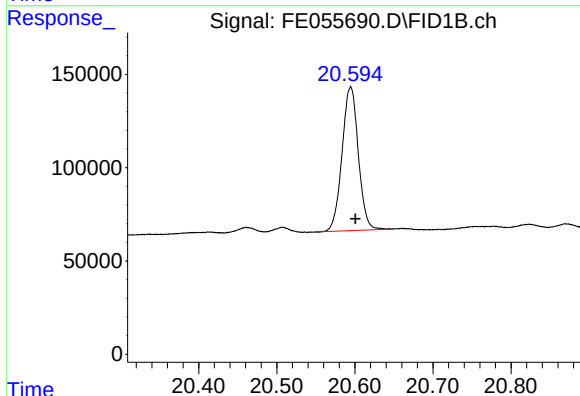
#19 n-Tetratriacontane (C34)

R.T.: 19.853 min
Delta R.T.: -0.006 min
Response: 1298332
Conc: 9.19 ug/ml

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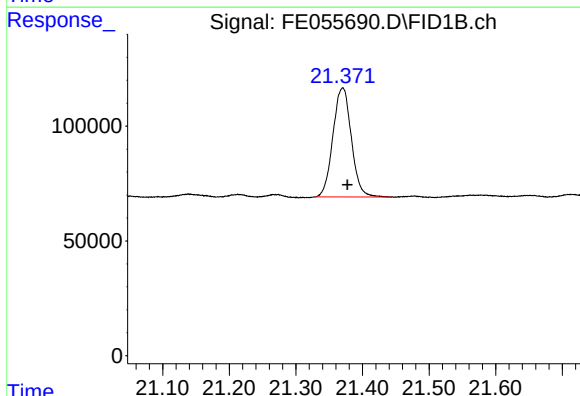
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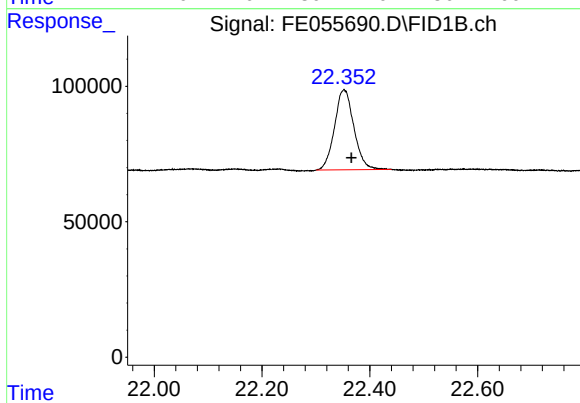
#20 n-Hexatriacontane (C36)

R.T.: 20.595 min
Delta R.T.: -0.006 min
Response: 1116874
Conc: 8.46 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.370 min
Delta R.T.: -0.007 min
Response: 910261
Conc: 6.99 ug/ml



#22 n-Tetracontane (C40)

R.T.: 22.352 min
Delta R.T.: -0.014 min
Response: 737283
Conc: 5.75 ug/ml