

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090525AL\
 Data File : FE055686.D
 Signal(s) : FID1B.ch
 Acq On : 05 Sep 2025 13:33
 Operator : YP\AJ
 Sample : Q2893-07
 Misc : 4 PPM WATER LOD
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 LOD-MDL-WATER-01-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 01:42:05 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	3773125	30.174 ug/ml
Spiked Amount 50.000		Recovery =	60.35%
Target Compounds			
1) T n-Nonane (C9)	3.412	305936	2.411 ug/ml
2) T n-Decane (C10)	4.670	367721	2.871 ug/ml
4) T n-Dodecane (C12)	6.844	417749	3.208 ug/ml
6) T n-Tetradecane (C14)	8.681	487017	3.698 ug/mlm
7) T n-Hexadecane (C16)	10.295	457112	3.301 ug/mlm
8) T n-Octadecane (C18)	11.744	510263	3.498 ug/ml
10) T n-Eicosane (C20)	13.059	546741	3.798 ug/ml
11) T n-Heneicosane (C21)	13.673	501132	3.508 ug/ml
13) T n-Docosane (C22)	14.261	521044	3.640 ug/ml
14) T n-Tetracosane (C24)	15.367	532656	3.681 ug/mlm
15) T n-Hexacosane (C26)	16.392	515234	3.606 ug/mlm
16) T n-Octacosane (C28)	17.345	548108	3.853 ug/ml
17) T n-Tricontane (C30)	18.235	639728	4.328 ug/ml
18) T n-Dotriacontane (C32)	19.069	692685	4.719 ug/ml
19) T n-Tetratriacontane (C34)	19.852	661230	4.680 ug/ml
20) T n-Hexatriacontane (C36)	20.594	615895	4.667 ug/ml
21) T n-Octatriacontane (C38)	21.371	578875	4.445 ug/ml
22) T n-Tetracontane (C40)	22.352	538220	4.197 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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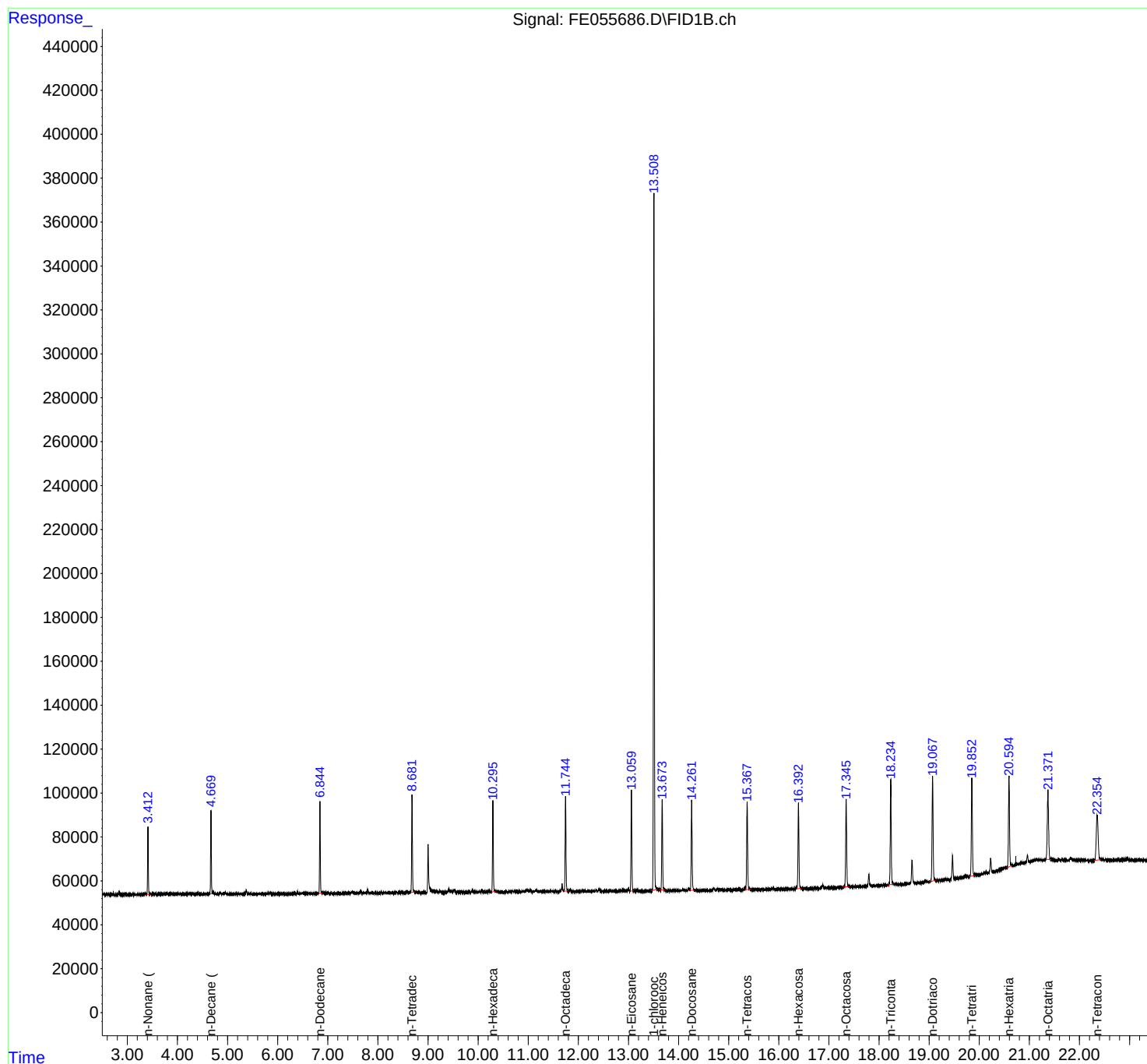
Instrument :
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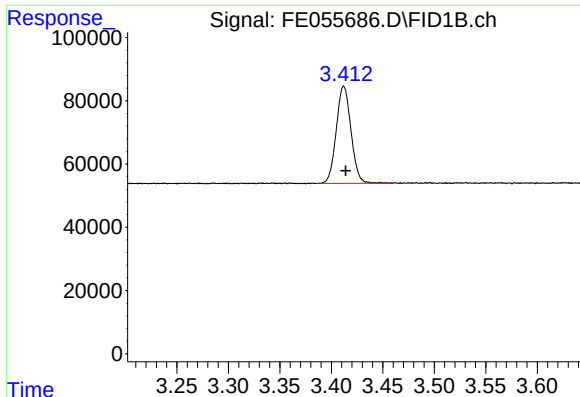
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#1 n-Nonane (C9)

R.T.: 3.412 min
Delta R.T.: -0.002 min
Response: 305936
Conc: 2.41 ug/ml

Instrument :

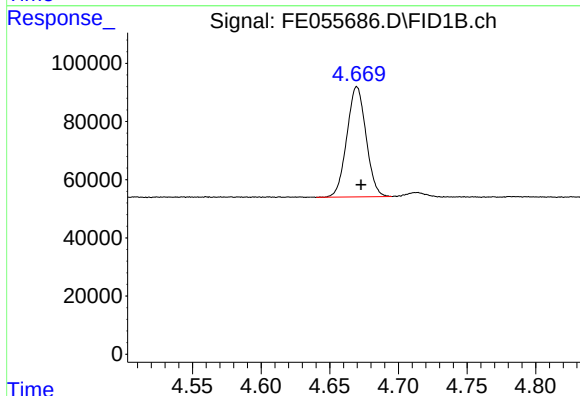
FID_E

ClientSampleId :

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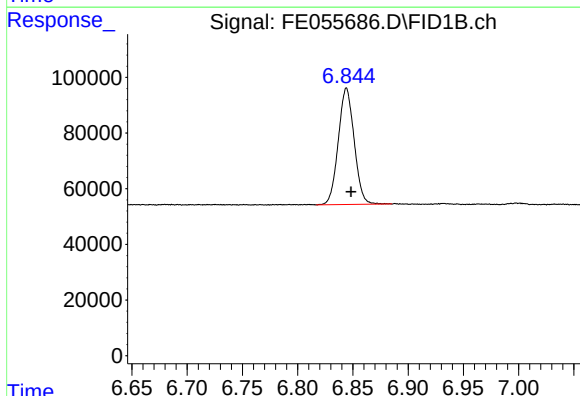
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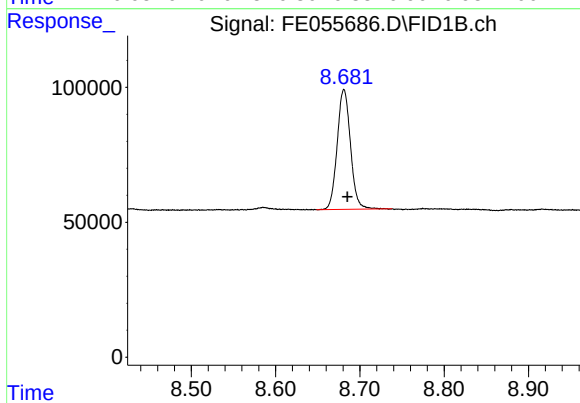
#2 n-Decane (C10)

R.T.: 4.670 min
Delta R.T.: -0.003 min
Response: 367721
Conc: 2.87 ug/ml



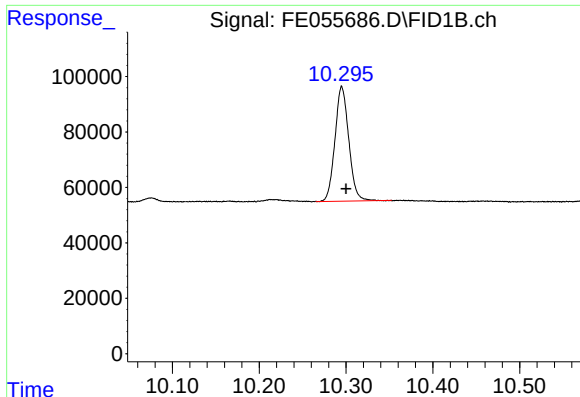
#4 n-Dodecane (C12)

R.T.: 6.844 min
Delta R.T.: -0.004 min
Response: 417749
Conc: 3.21 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.681 min
Delta R.T.: -0.005 min
Response: 487017
Conc: 3.70 ug/ml m



#7 n-Hexadecane (C16)

R.T.: 10.295 min
Delta R.T.: -0.006 min
Response: 457112
Conc: 3.30 ug/ml

Instrument :

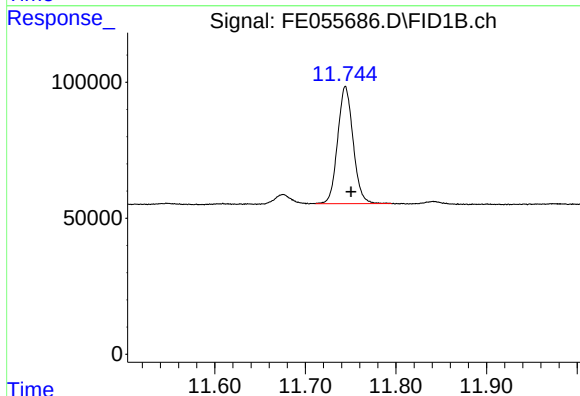
FID_E

ClientSampleId :

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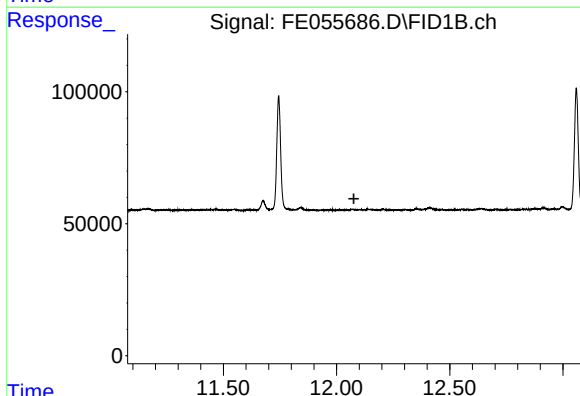
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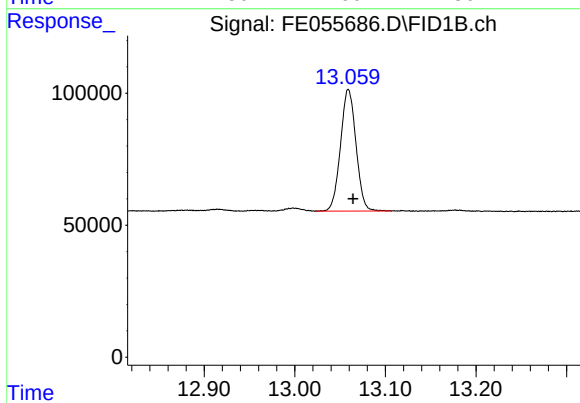
#8 n-Octadecane (C18)

R.T.: 11.744 min
Delta R.T.: -0.006 min
Response: 510263
Conc: 3.50 ug/ml



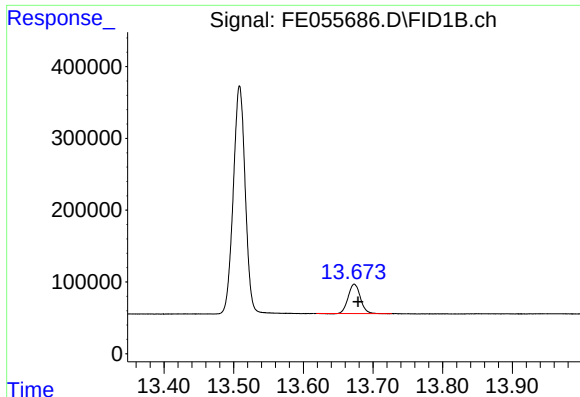
#9 ortho-Terphenyl (SURR)

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.: -0.005 min
Response: 546741
Conc: 3.80 ug/ml



#11 n-Heneicosane (C21)

R.T.: 13.673 min
Delta R.T.: -0.006 min
Response: 501132
Conc: 3.51 ug/ml

Instrument :

FID_E

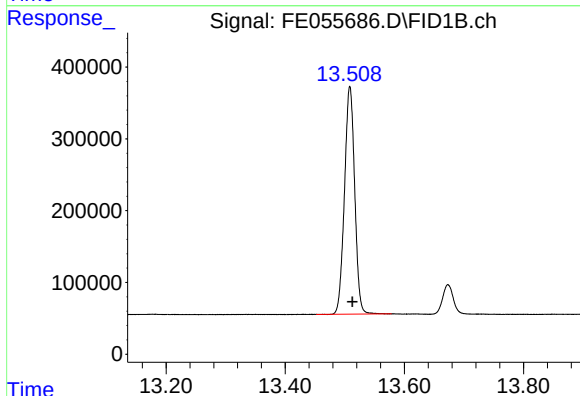
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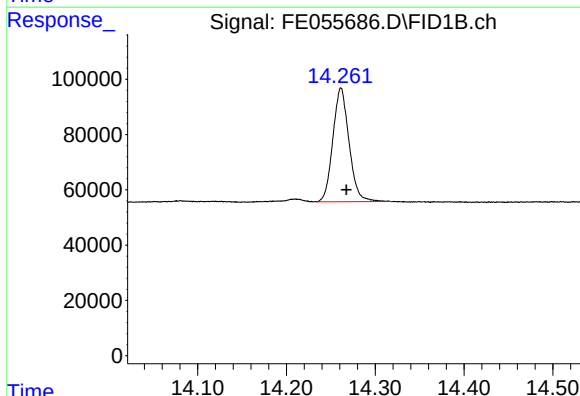
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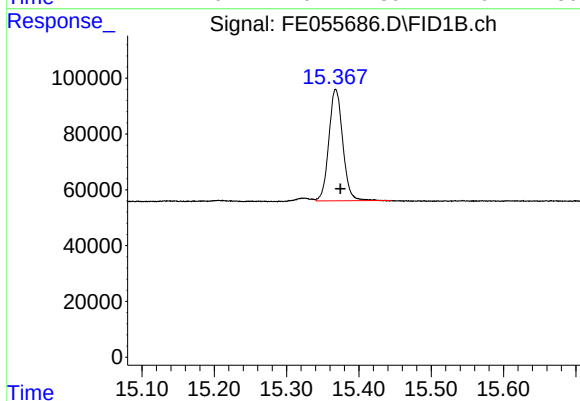
#12 1-chlorooctadecane (SURR)

R.T.: 13.509 min
Delta R.T.: -0.004 min
Response: 3773125
Conc: 30.17 ug/ml



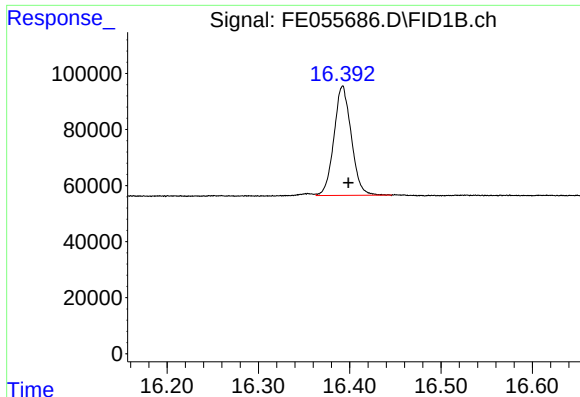
#13 n-Docosane (C22)

R.T.: 14.261 min
Delta R.T.: -0.006 min
Response: 521044
Conc: 3.64 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.367 min
Delta R.T.: -0.007 min
Response: 532656
Conc: 3.68 ug/ml m



#15 n-Hexacosane (C26)

R.T.: 16.392 min
Delta R.T.: -0.006 min
Response: 515234
Conc: 3.61 ug/ml

Instrument :

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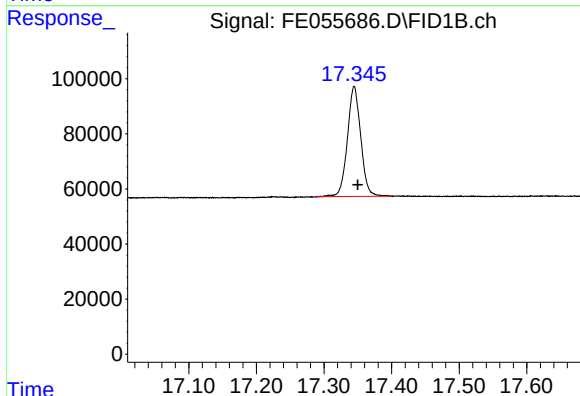
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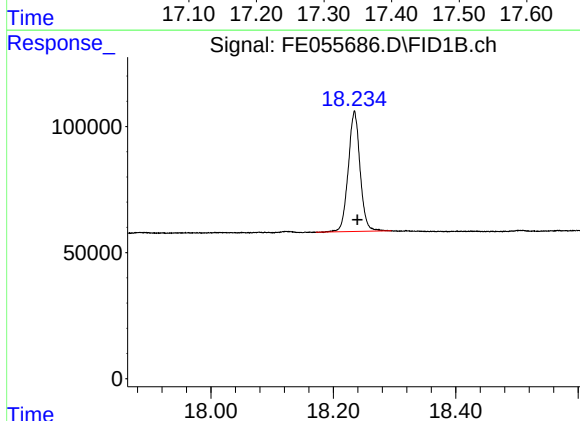
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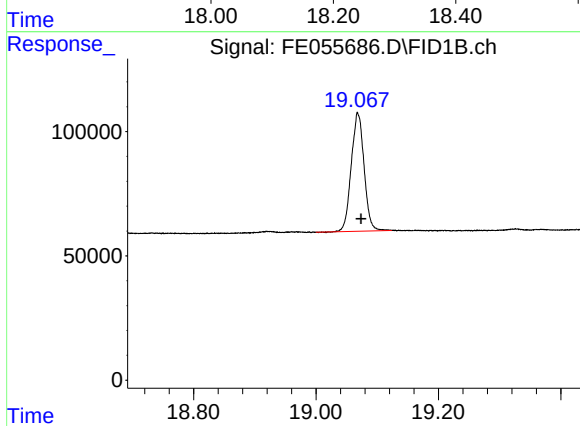
#16 n-Octacosane (C28)

R.T.: 17.345 min
Delta R.T.: -0.006 min
Response: 548108
Conc: 3.85 ug/ml



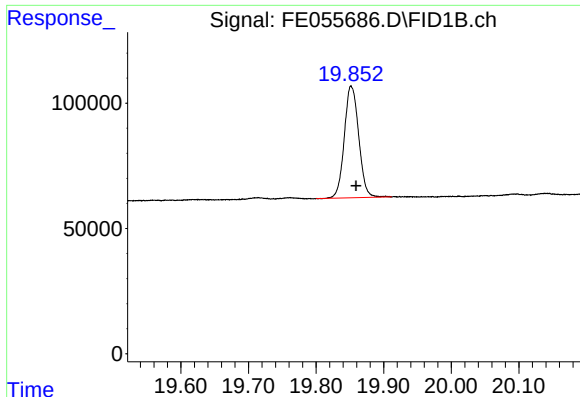
#17 n-Tricontane (C30)

R.T.: 18.235 min
Delta R.T.: -0.005 min
Response: 639728
Conc: 4.33 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 19.069 min
Delta R.T.: -0.005 min
Response: 692685
Conc: 4.72 ug/ml



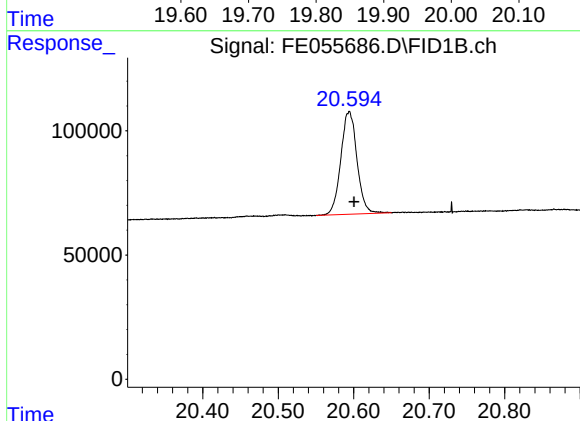
#19 n-Tetratriacontane (C34)

R.T.: 19.852 min
Delta R.T.: -0.007 min
Response: 661230
Conc: 4.68 ug/ml

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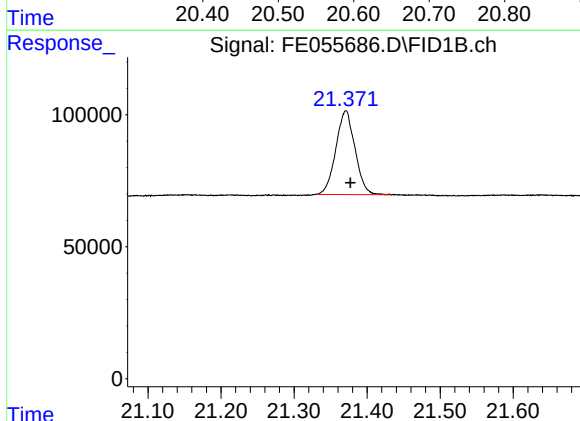
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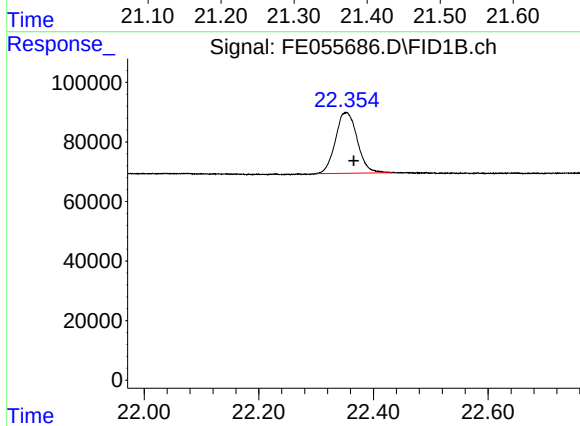
#20 n-Hexatriacontane (C36)

R.T.: 20.594 min
Delta R.T.: -0.007 min
Response: 615895
Conc: 4.67 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.371 min
Delta R.T.: -0.007 min
Response: 578875
Conc: 4.44 ug/ml



#22 n-Tetracontane (C40)

R.T.: 22.352 min
Delta R.T.: -0.014 min
Response: 538220
Conc: 4.20 ug/ml