

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090525AL\
 Data File : FE055684.D
 Signal(s) : FID1B.ch
 Acq On : 05 Sep 2025 12:32
 Operator : YP\AJ
 Sample : Q2893-07
 Misc : 2.5 PPM WATER LOD
 ALS Vial : 14 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 01:41:05 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	3647469	29.169 ug/ml
Spiked Amount 50.000		Recovery =	58.34%
Target Compounds			
1) T n-Nonane (C9)	3.412	176498	1.391 ug/ml
2) T n-Decane (C10)	4.670	214262	1.673 ug/ml
4) T n-Dodecane (C12)	6.845	244786	1.880 ug/ml
6) T n-Tetradecane (C14)	8.681	294389	2.235 ug/mlm
7) T n-Hexadecane (C16)	10.295	263828	1.905 ug/mlm
8) T n-Octadecane (C18)	11.744	297047	2.037 ug/ml
10) T n-Eicosane (C20)	13.059	319945	2.223 ug/ml
11) T n-Heneicosane (C21)	13.673	284205	1.990 ug/ml
13) T n-Docosane (C22)	14.262	306404	2.141 ug/ml
14) T n-Tetracosane (C24)	15.368	322505	2.229 ug/mlm
15) T n-Hexacosane (C26)	16.391	308765	2.161 ug/mlm
16) T n-Octacosane (C28)	17.344	334251	2.350 ug/ml
17) T n-Tricontane (C30)	18.234	397411	2.688 ug/ml
18) T n-Dotriacontane (C32)	19.067	422258	2.877 ug/ml
19) T n-Tetratriacontane (C34)	19.852	394683	2.794 ug/ml
20) T n-Hexatriacontane (C36)	20.594	362248	2.745 ug/ml
21) T n-Octatriacontane (C38)	21.369	340611	2.615 ug/ml
22) T n-Tetracontane (C40)	22.354	308519	2.406 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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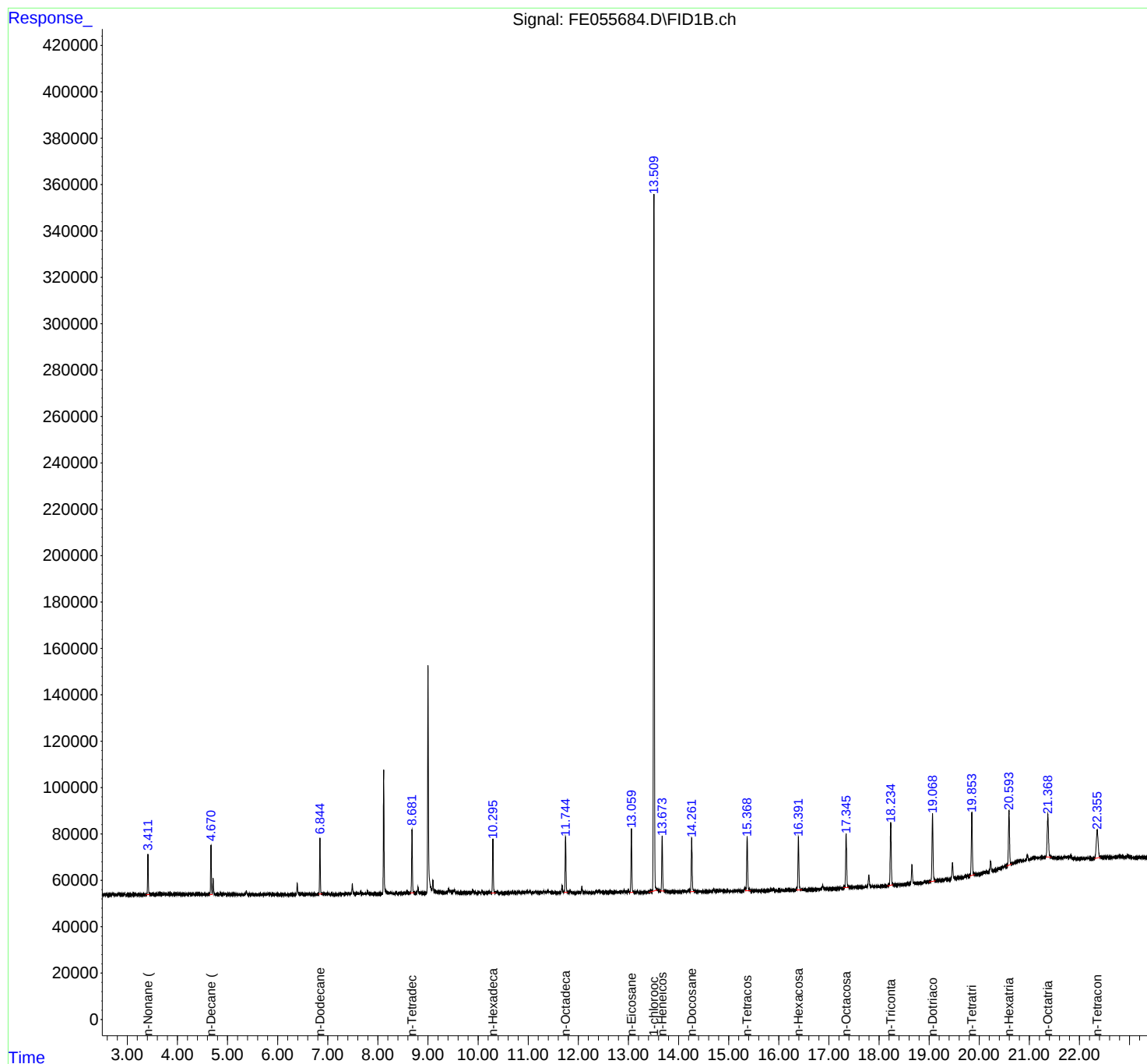
Instrument :
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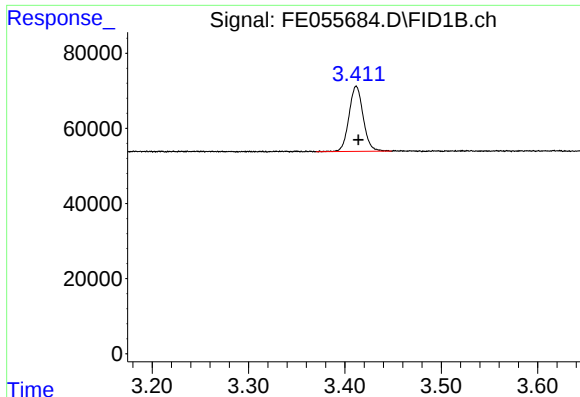
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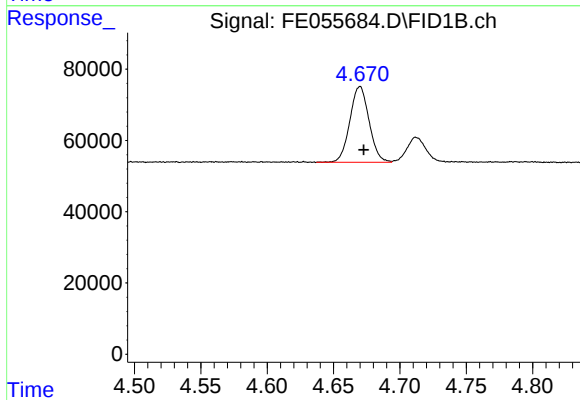
#1 n-Nonane (C9)

R.T.: 3.412 min
Delta R.T.: -0.002 min
Response: 176498
Conc: 1.39 ug/ml

Instrument : FID_E
ClientSampleId : LOD-MDL-WATER-01-QT3-2025

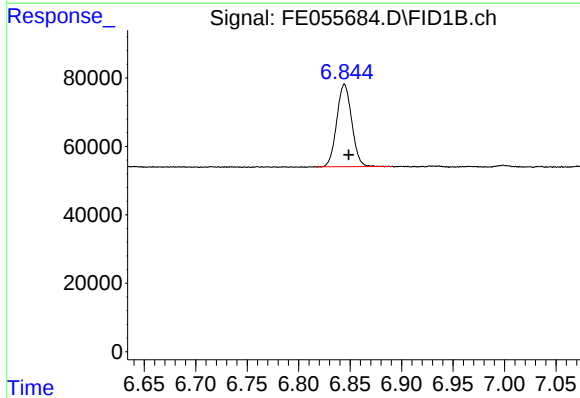
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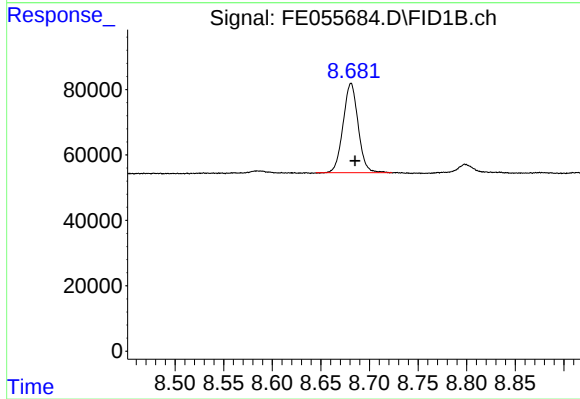
#2 n-Decane (C10)

R.T.: 4.670 min
Delta R.T.: -0.003 min
Response: 214262
Conc: 1.67 ug/ml



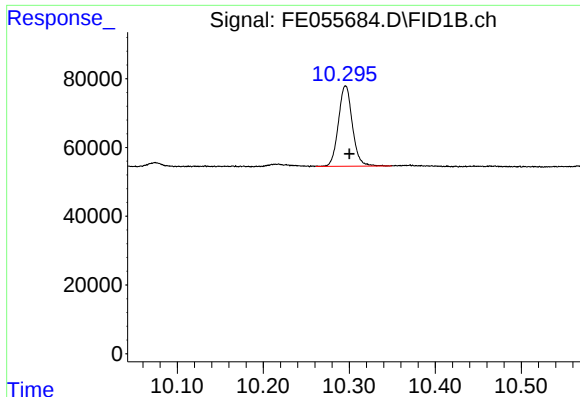
#4 n-Dodecane (C12)

R.T.: 6.845 min
Delta R.T.: -0.004 min
Response: 244786
Conc: 1.88 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.681 min
Delta R.T.: -0.004 min
Response: 294389
Conc: 2.24 ug/ml m



#7 n-Hexadecane (C16)

R.T.: 10.295 min
Delta R.T.: -0.005 min
Response: 263828
Conc: 1.90 ug/ml

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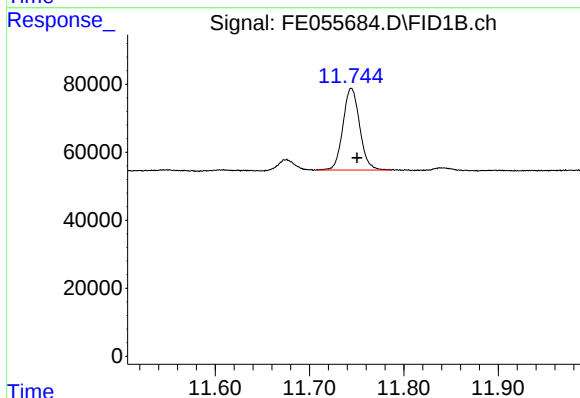
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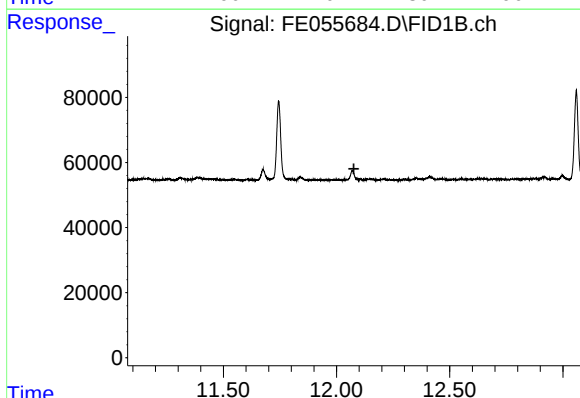
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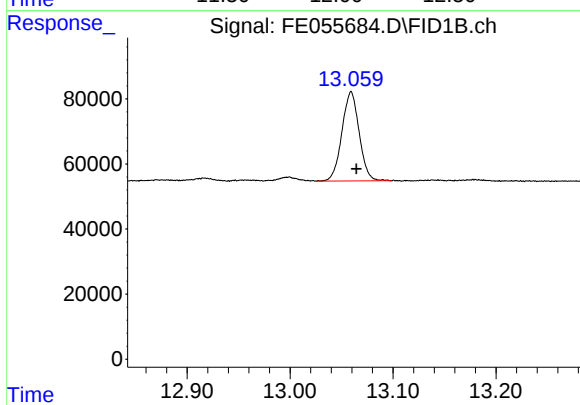
#8 n-Octadecane (C18)

R.T.: 11.744 min
Delta R.T.: -0.006 min
Response: 297047
Conc: 2.04 ug/ml



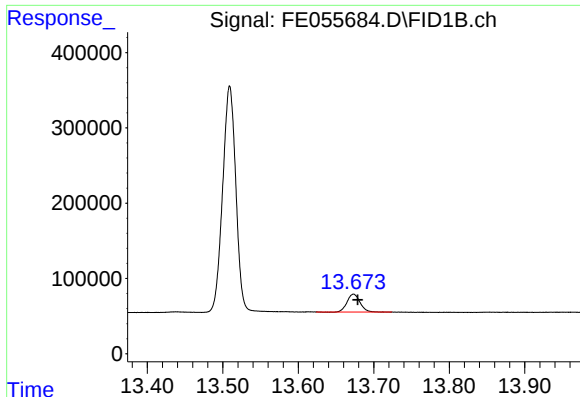
#9 ortho-Terphenyl (SURR)

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: 319945
Conc: 2.22 ug/ml



#11 n-Heneicosane (C21)

R.T.: 13.673 min
Delta R.T.: -0.006 min
Response: 284205
Conc: 1.99 ug/ml

Instrument :

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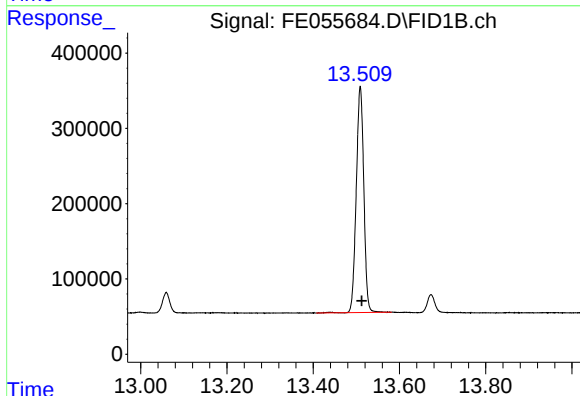
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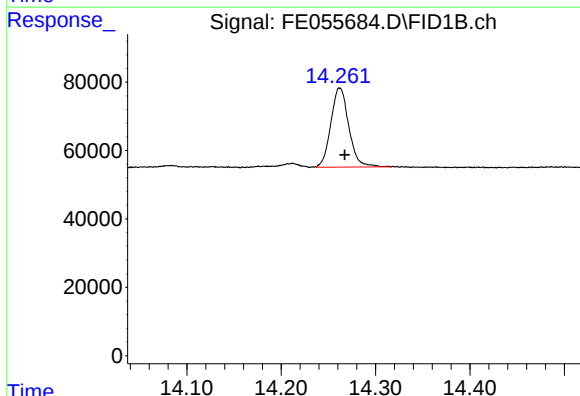
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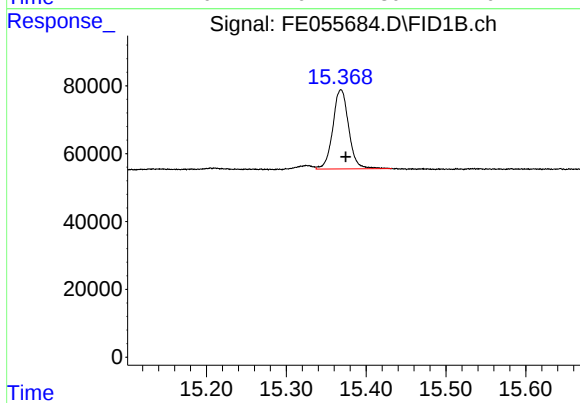
#12 1-chlorooctadecane (SURR)

R.T.: 13.509 min
Delta R.T.: -0.004 min
Response: 3647469
Conc: 29.17 ug/ml



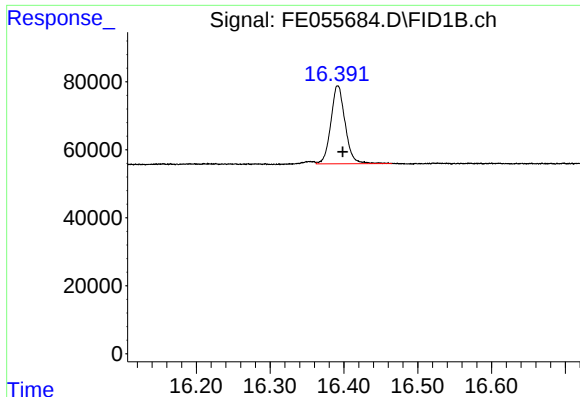
#13 n-Docosane (C22)

R.T.: 14.262 min
Delta R.T.: -0.005 min
Response: 306404
Conc: 2.14 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.368 min
Delta R.T.: -0.007 min
Response: 322505
Conc: 2.23 ug/ml m



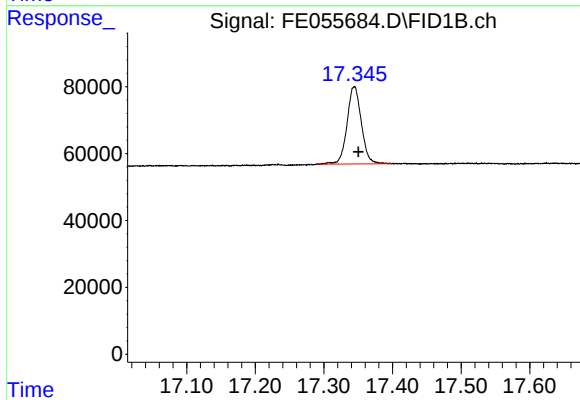
#15 n-Hexacosane (C26)

R.T.: 16.391 min
Delta R.T.: -0.008 min
Response: 308765
Conc: 2.16 ug/ml

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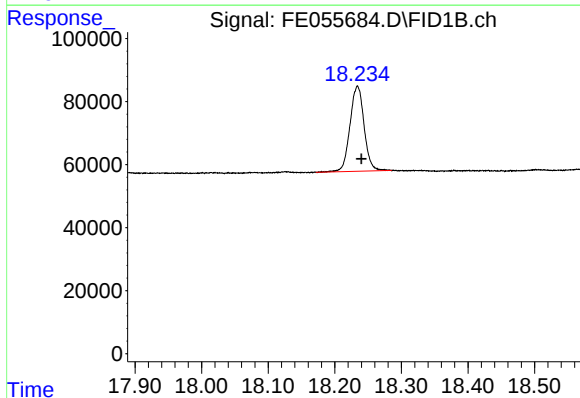
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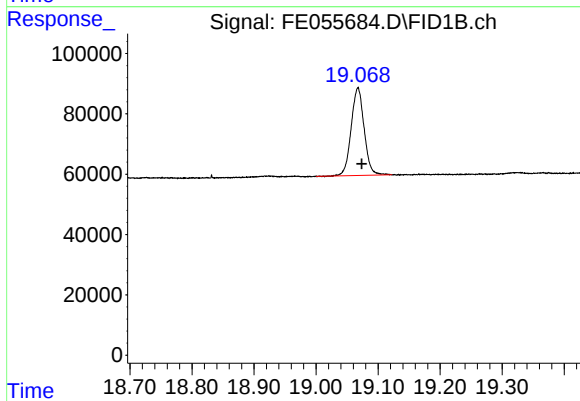
#16 n-Octacosane (C28)

R.T.: 17.344 min
Delta R.T.: -0.006 min
Response: 334251
Conc: 2.35 ug/ml



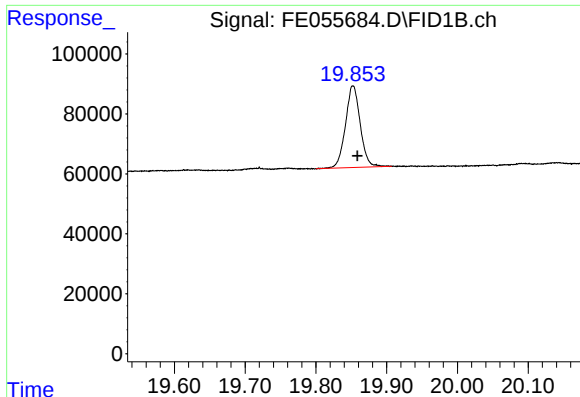
#17 n-Tricontane (C30)

R.T.: 18.234 min
Delta R.T.: -0.006 min
Response: 397411
Conc: 2.69 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 19.067 min
Delta R.T.: -0.006 min
Response: 422258
Conc: 2.88 ug/ml



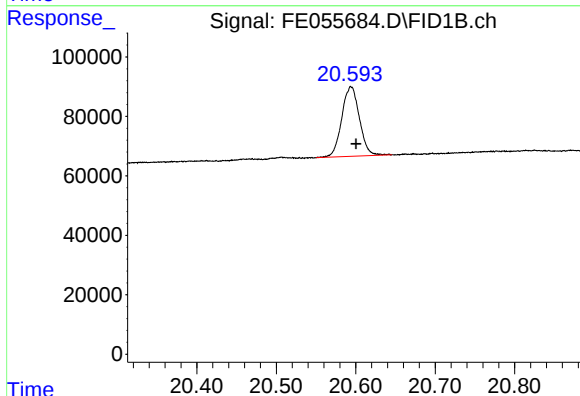
#19 n-Tetratriacontane (C34)

R.T.: 19.852 min
Delta R.T.: -0.006 min
Response: 394683
Conc: 2.79 ug/ml

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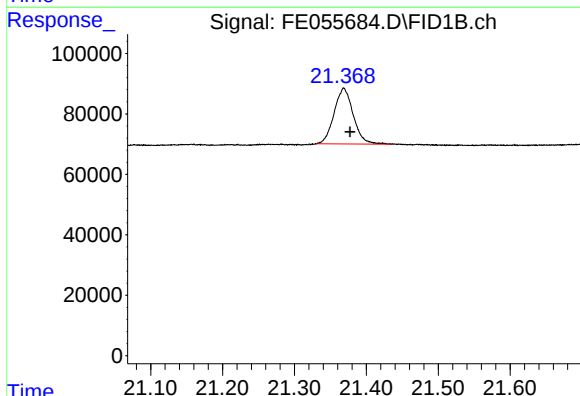
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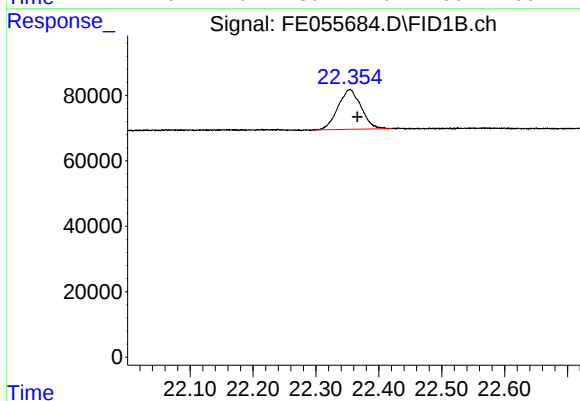
#20 n-Hexatriacontane (C36)

R.T.: 20.594 min
Delta R.T.: -0.007 min
Response: 362248
Conc: 2.75 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.369 min
Delta R.T.: -0.009 min
Response: 340611
Conc: 2.62 ug/ml



#22 n-Tetracontane (C40)

R.T.: 22.354 min
Delta R.T.: -0.012 min
Response: 308519
Conc: 2.41 ug/ml