

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090525AL\
 Data File : FE055685.D
 Signal(s) : FID1B.ch
 Acq On : 05 Sep 2025 13:02
 Operator : YP\AJ
 Sample : Q2893-01
 Misc : 4 PPM SOIL LOD
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 LOD-MDL-SOIL-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 01:41:37 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...	13.508	3752828	30.012 ug/ml
Spiked Amount 50.000		Recovery =	60.02%
Target Compounds			
1) T n-Nonane (C9)	3.411	297947	2.348 ug/ml
2) T n-Decane (C10)	4.669	358191	2.796 ug/ml
4) T n-Dodecane (C12)	6.844	409717	3.147 ug/ml
6) T n-Tetradecane (C14)	8.681	477843	3.628 ug/ml
7) T n-Hexadecane (C16)	10.294	449029	3.242 ug/mlm
8) T n-Octadecane (C18)	11.744	504080	3.456 ug/ml
10) T n-Eicosane (C20)	13.058	539455	3.748 ug/ml
11) T n-Heneicosane (C21)	13.673	502210	3.516 ug/mlm
13) T n-Docosane (C22)	14.262	520279	3.635 ug/ml
14) T n-Tetracosane (C24)	15.366	532318	3.679 ug/mlm
15) T n-Hexacosane (C26)	16.390	514496	3.601 ug/mlm
16) T n-Octacosane (C28)	17.345	547549	3.850 ug/ml
17) T n-Tricontane (C30)	18.232	635175	4.297 ug/ml
18) T n-Dotriacontane (C32)	19.067	662544	4.514 ug/ml
19) T n-Tetratriacontane (C34)	19.852	636856	4.508 ug/ml
20) T n-Hexatriacontane (C36)	20.594	601035	4.555 ug/ml
21) T n-Octatriacontane (C38)	21.370	578333	4.441 ug/ml
22) T n-Tetracontane (C40)	22.353	529789	4.131 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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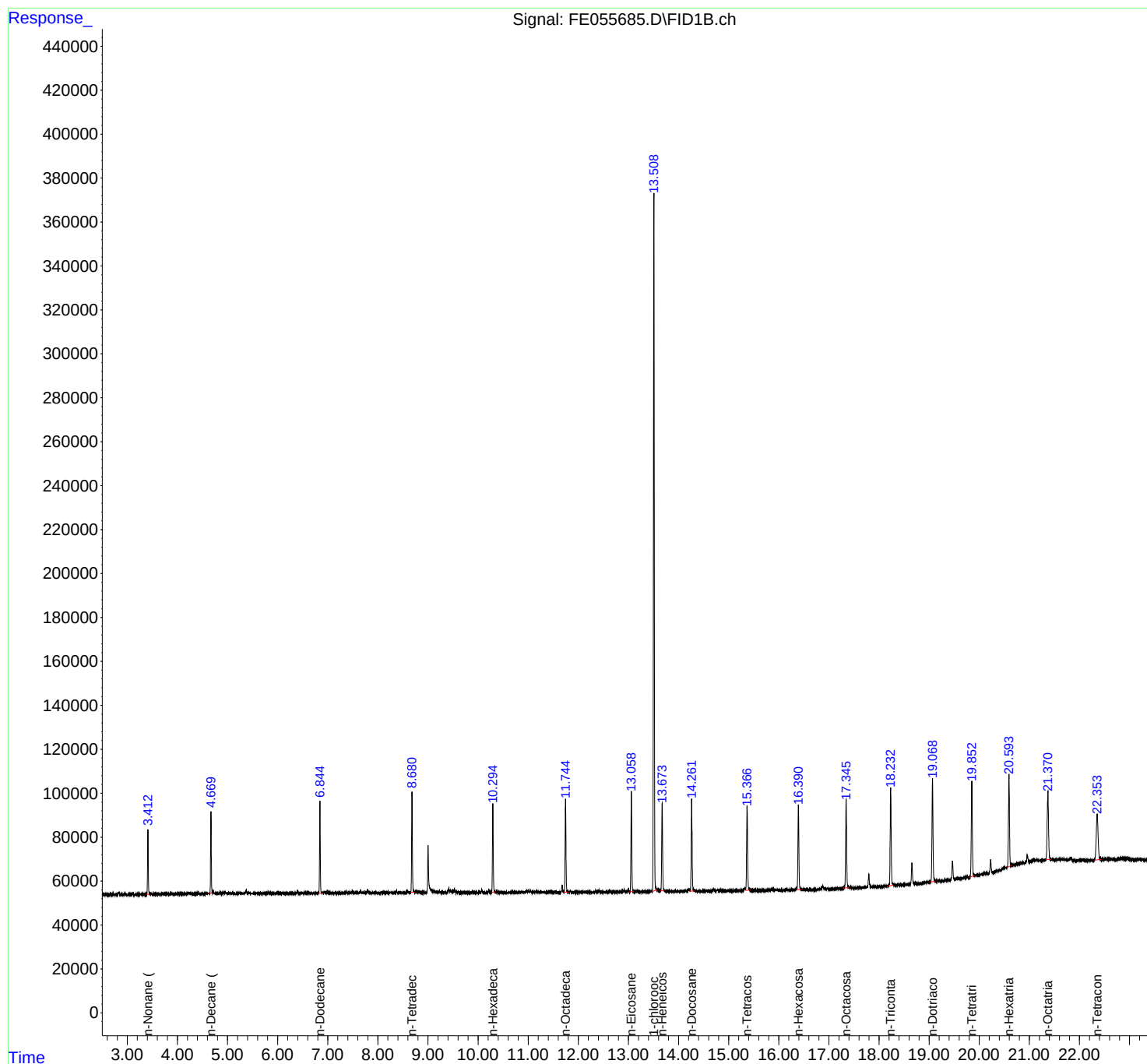
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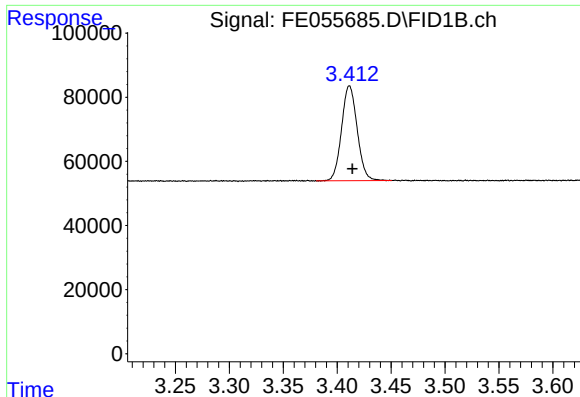
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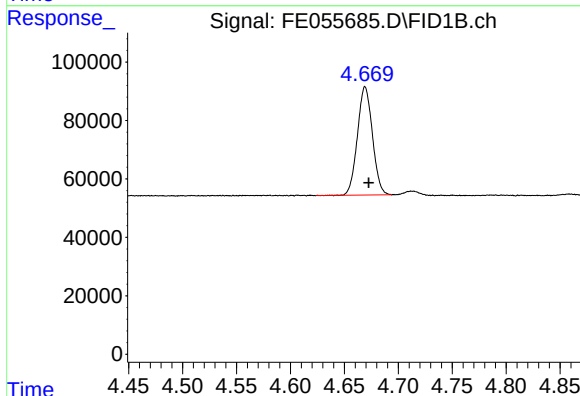
#1 n-Nonane (C9)

R.T.: 3.411 min
Delta R.T.: -0.003 min
Response: 297947
Conc: 2.35 ug/ml

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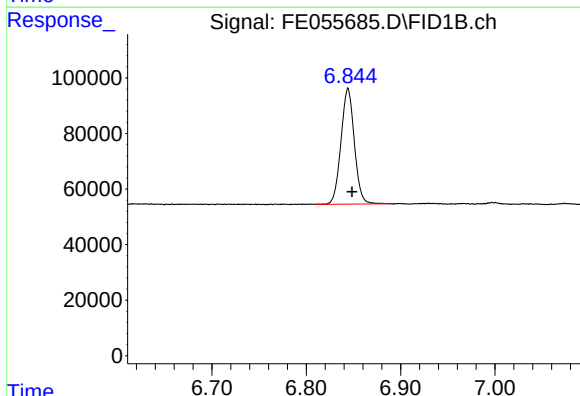
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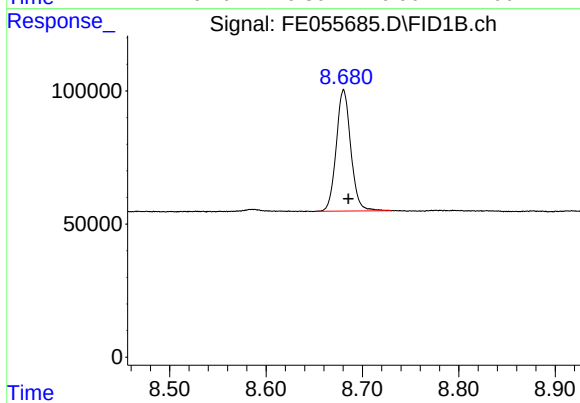
#2 n-Decane (C10)

R.T.: 4.669 min
Delta R.T.: -0.003 min
Response: 358191
Conc: 2.80 ug/ml



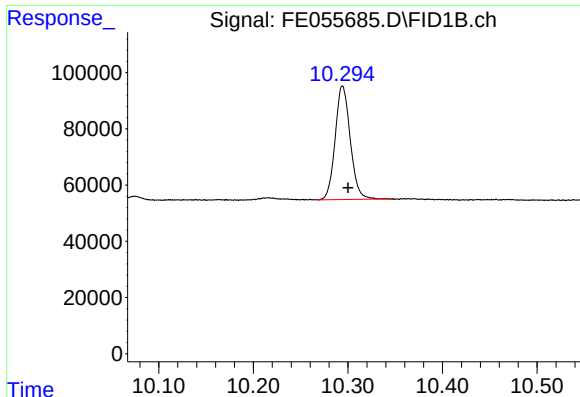
#4 n-Dodecane (C12)

R.T.: 6.844 min
Delta R.T.: -0.004 min
Response: 409717
Conc: 3.15 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.681 min
Delta R.T.: -0.005 min
Response: 477843
Conc: 3.63 ug/ml



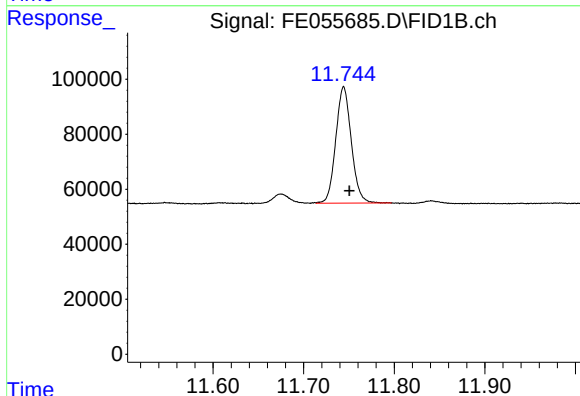
#7 n-Hexadecane (C16)

R.T.: 10.294 min
Delta R.T.: -0.006 min
Response: 449029
Conc: 3.24 ug/ml

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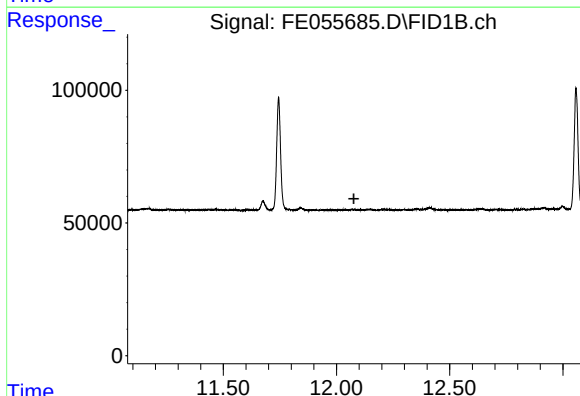
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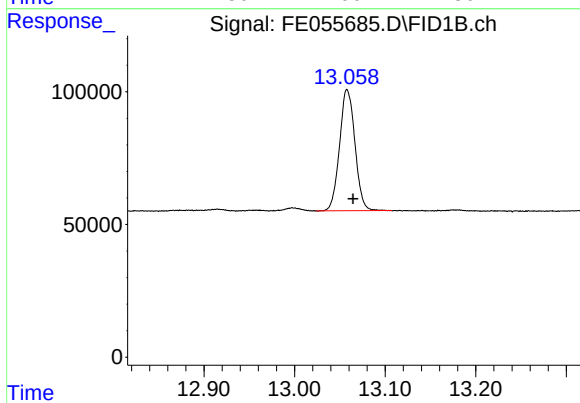
#8 n-Octadecane (C18)

R.T.: 11.744 min
Delta R.T.: -0.006 min
Response: 504080
Conc: 3.46 ug/ml



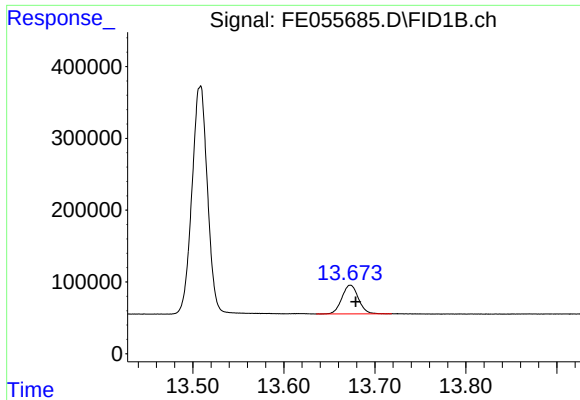
#9 ortho-Terphenyl (SURR)

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



#10 n-Eicosane (C20)

R.T.: 13.058 min
Delta R.T.: -0.006 min
Response: 539455
Conc: 3.75 ug/ml



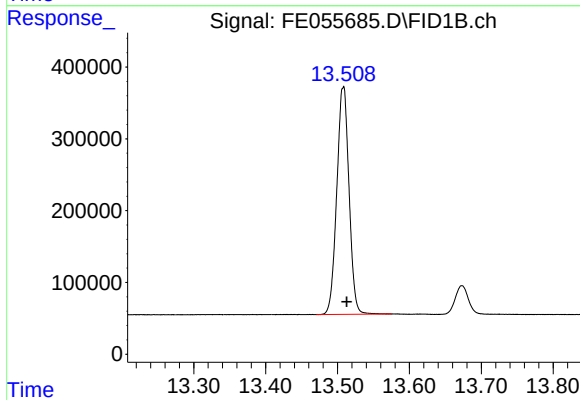
#11 n-Heneicosane (C21)

R.T.: 13.673 min
Delta R.T.: -0.006 min
Response: 502210
Conc: 3.52 ug/ml

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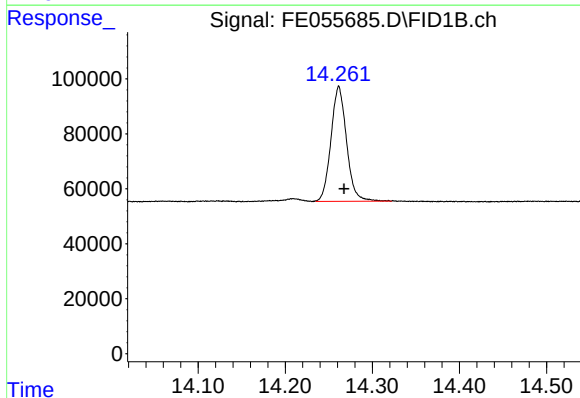
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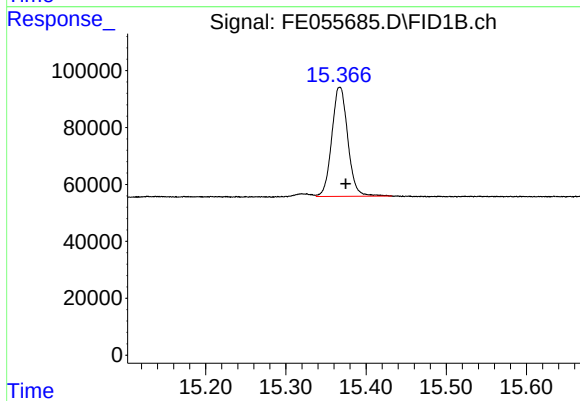
#12 1-chlorooctadecane (SURR)

R.T.: 13.508 min
Delta R.T.: -0.005 min
Response: 3752828
Conc: 30.01 ug/ml



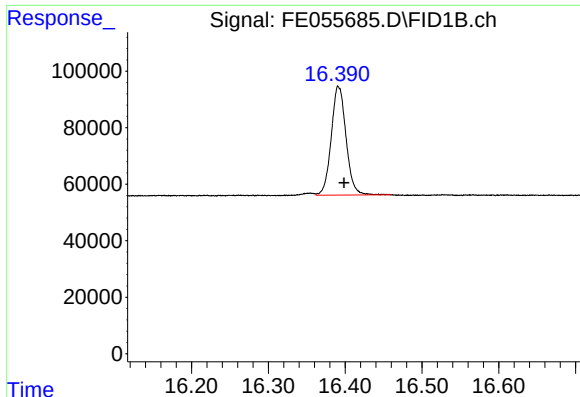
#13 n-Docosane (C22)

R.T.: 14.262 min
Delta R.T.: -0.006 min
Response: 520279
Conc: 3.63 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.366 min
Delta R.T.: -0.008 min
Response: 532318
Conc: 3.68 ug/ml m



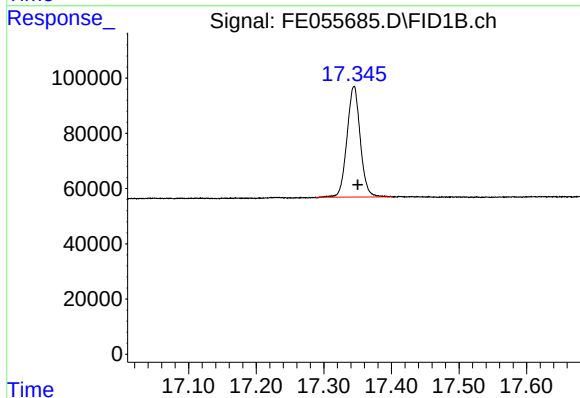
#15 n-Hexacosane (C26)

R.T.: 16.390 min
Delta R.T.: -0.008 min
Response: 514496
Conc: 3.60 ug/ml

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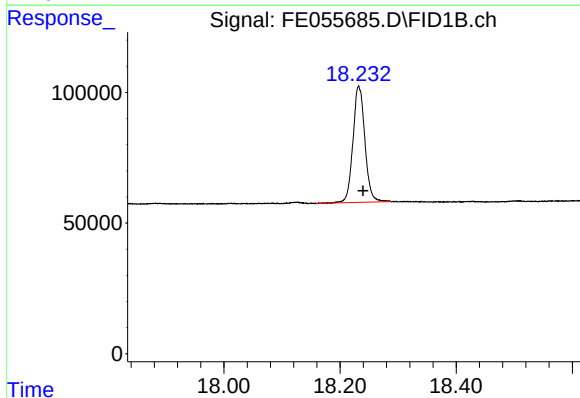
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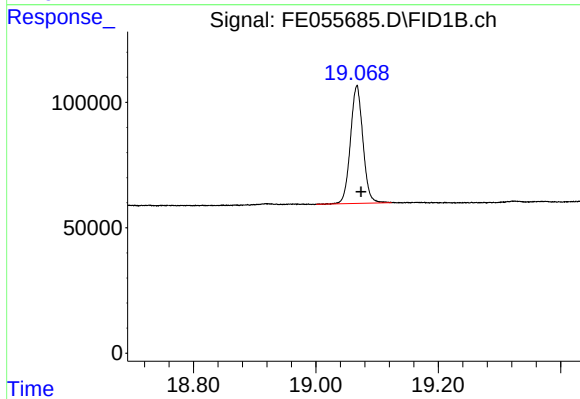
#16 n-Octacosane (C28)

R.T.: 17.345 min
Delta R.T.: -0.006 min
Response: 547549
Conc: 3.85 ug/ml



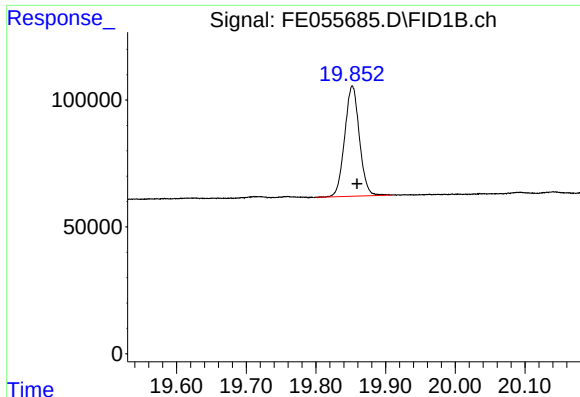
#17 n-Tricontane (C30)

R.T.: 18.232 min
Delta R.T.: -0.007 min
Response: 635175
Conc: 4.30 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 19.067 min
Delta R.T.: -0.007 min
Response: 662544
Conc: 4.51 ug/ml



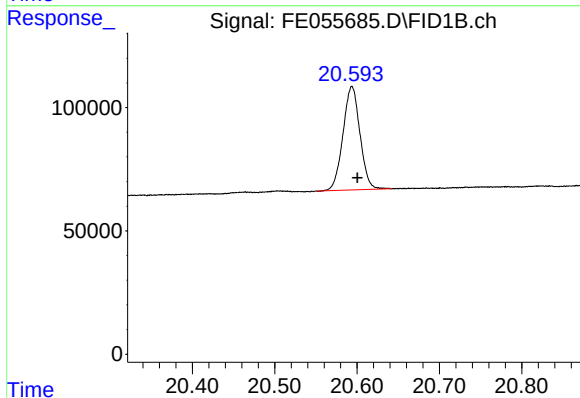
#19 n-Tetratriacontane (C34)

R.T.: 19.852 min
Delta R.T.: -0.007 min
Response: 636856
Conc: 4.51 ug/ml

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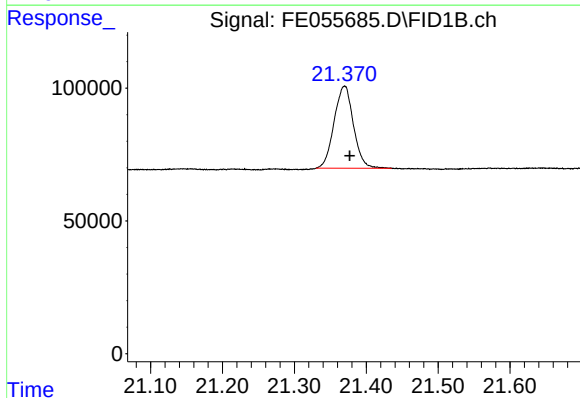
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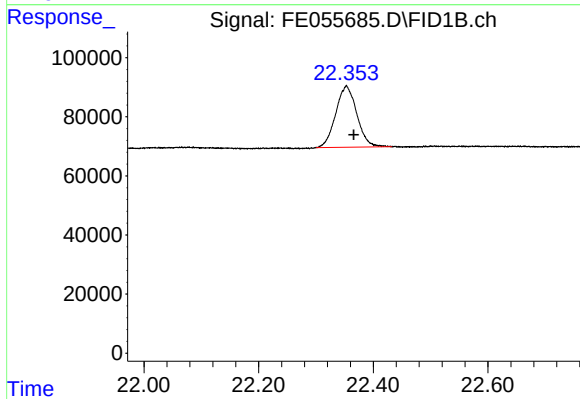
#20 n-Hexatriacontane (C36)

R.T.: 20.594 min
Delta R.T.: -0.007 min
Response: 601035
Conc: 4.55 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.370 min
Delta R.T.: -0.008 min
Response: 578333
Conc: 4.44 ug/ml



#22 n-Tetracontane (C40)

R.T.: 22.353 min
Delta R.T.: -0.013 min
Response: 529789
Conc: 4.13 ug/ml