

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F100523AL\
 Data File : FC064743.D
 Signal(s) : FID1A.ch
 Acq On : 05 Oct 2023 12:11
 Operator : YP/AJ
 Sample : 04699-08
 Misc : 5PPM WATER LOQ
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 LOQ-WATER-02-QT4-2023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/06/2023
 Supervised By :Ankita Jodhani 10/06/2023

Integration File: autoint1.e
 Quant Time: Oct 05 23:53:38 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091523.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 15 01:25:53 2023
 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...	12.953	5502528	37.777 ug/ml
Spiked Amount 50.000		Recovery =	75.55%
Target Compounds			
1) T n-Nonane (C9)	3.329	551723	3.122 ug/ml
2) T n-Decane (C10)	4.386	696714	3.878 ug/ml
4) T n-Dodecane (C12)	6.393	912409	5.023 ug/ml
6) T n-Tetradecane (C14)	8.180	883654	4.980 ug/ml
7) T n-Hexadecane (C16)	9.773	931845	5.184 ug/ml
8) T n-Octadecane (C18)	11.207	944763	5.218 ug/ml
10) T n-Eicosane (C20)	12.510	973420	5.715 ug/ml
11) T n-Heneicosane (C21)	13.119	905670	5.468 ug/ml
13) T n-Docosane (C22)	13.702	901994	5.537 ug/ml
14) T n-Tetracosane (C24)	14.799	878481	5.533 ug/ml
15) T n-Hexacosane (C26)	15.815	826610	5.415 ug/ml
16) T n-Octacosane (C28)	16.759	799327	5.401 ug/ml
17) T n-Tricontane (C30)	17.643	783362	5.273 ug/ml
18) T n-Dotriacontane (C32)	18.471	772216	5.291 ug/ml
19) T n-Tetratriacontane (C34)	19.251	737225	5.186 ug/ml
20) T n-Hexatriacontane (C36)	19.987	682767	4.957 ug/ml
21) T n-Octatriacontane (C38)	20.707	649274	4.738 ug/ml
22) T n-Tetracontane (C40)	21.589	601693	4.423 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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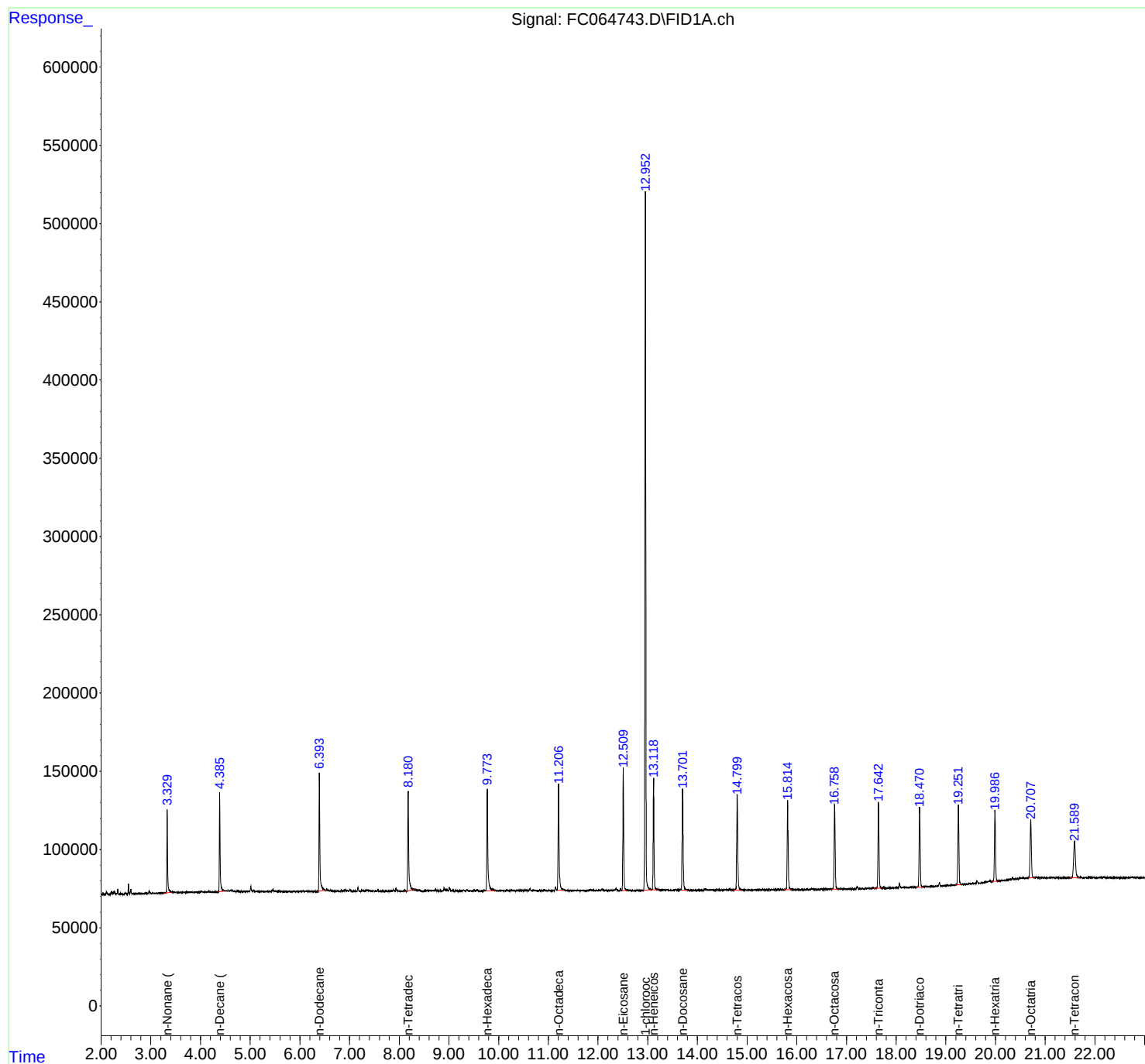
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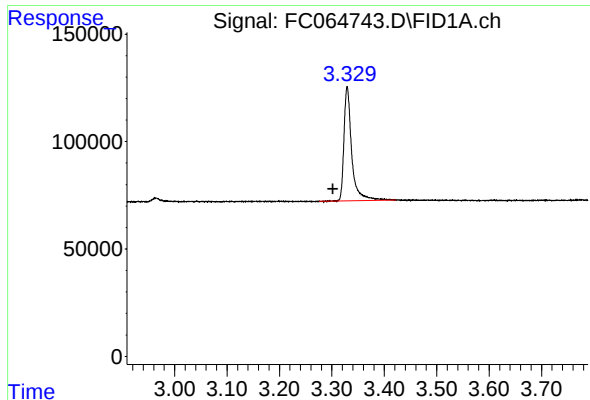
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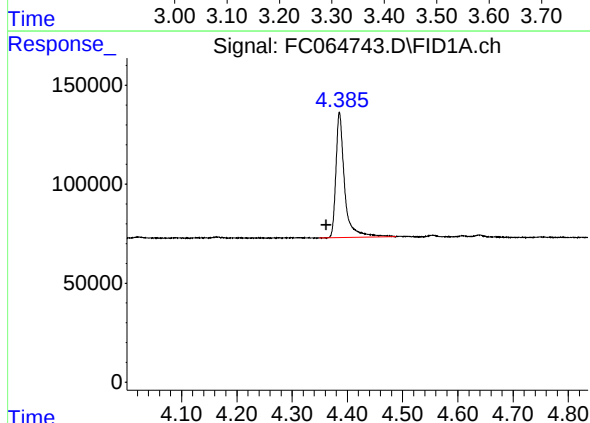
#1 n-Nonane (C9)

R.T.: 3.329 min
Delta R.T.: 0.027 min
Response: 551723
Conc: 3.12 ug/ml

Instrument :
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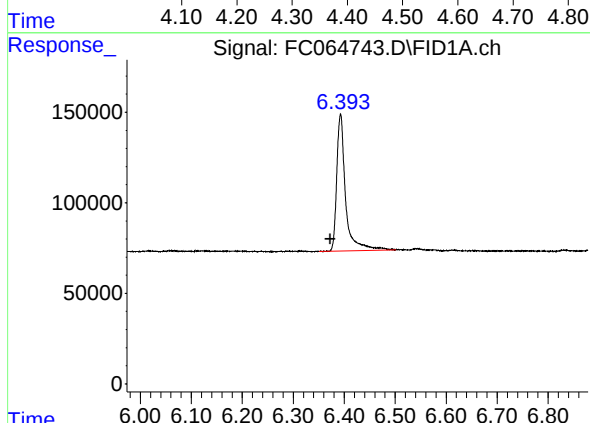
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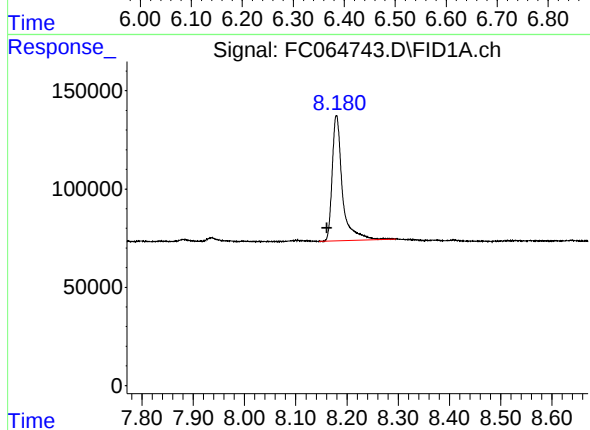
#2 n-Decane (C10)

R.T.: 4.386 min
Delta R.T.: 0.024 min
Response: 696714
Conc: 3.88 ug/ml



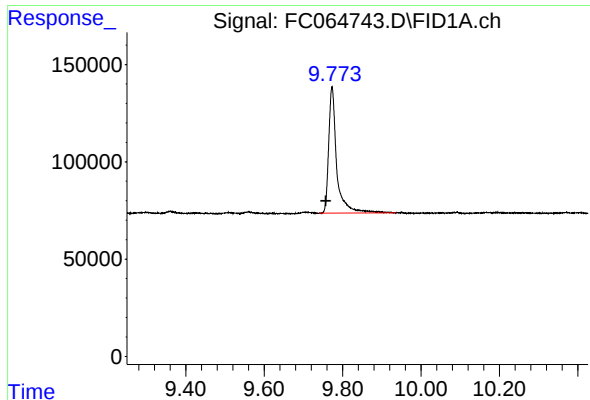
#4 n-Dodecane (C12)

R.T.: 6.393 min
Delta R.T.: 0.020 min
Response: 912409
Conc: 5.02 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.180 min
Delta R.T.: 0.018 min
Response: 883654
Conc: 4.98 ug/ml



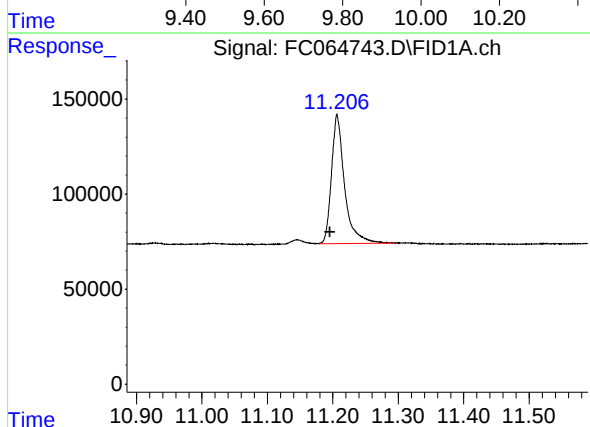
#7 n-Hexadecane (C16)

R.T.: 9.773 min
Delta R.T.: 0.014 min
Response: 931845
Conc: 5.18 ug/ml

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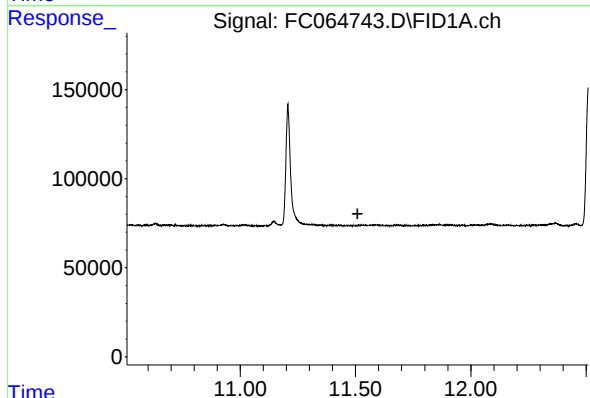
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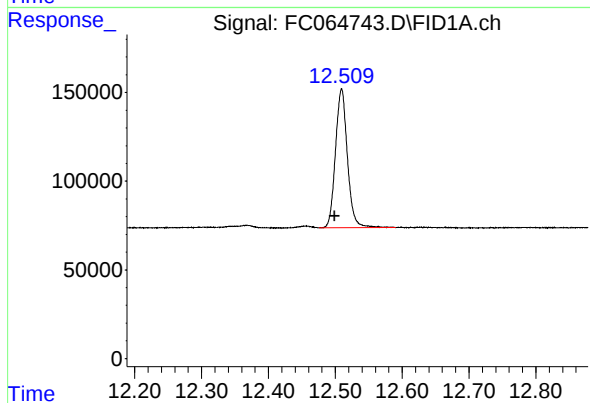
#8 n-Octadecane (C18)

R.T.: 11.207 min
Delta R.T.: 0.011 min
Response: 944763
Conc: 5.22 ug/ml



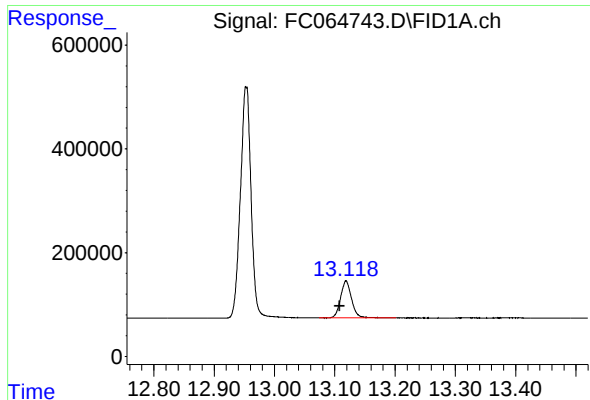
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.508 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.510 min
Delta R.T.: 0.010 min
Response: 973420
Conc: 5.71 ug/ml



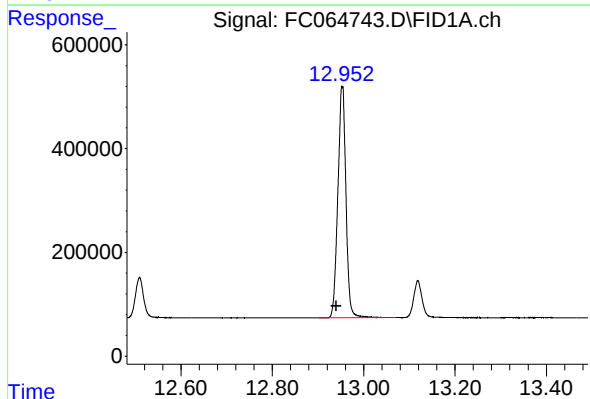
#11 n-Heneicosane (C21)

R.T.: 13.119 min
Delta R.T.: 0.011 min
Response: 905670
Conc: 5.47 ug/ml

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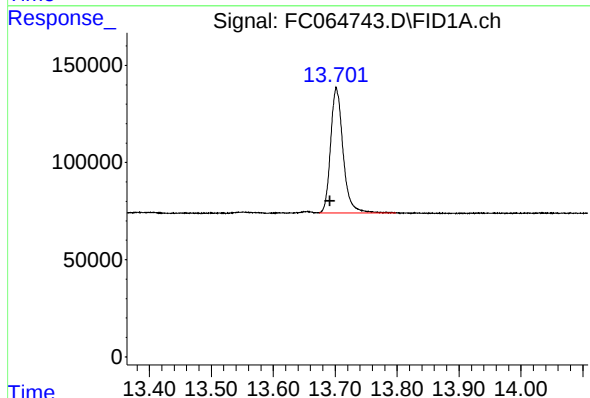
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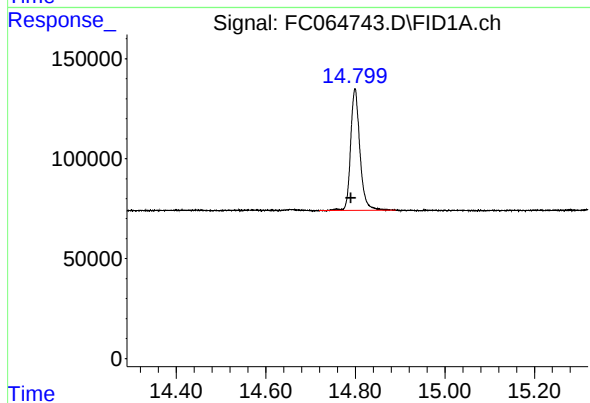
#12 1-chlorooctadecane (SURR)

R.T.: 12.953 min
Delta R.T.: 0.013 min
Response: 5502528
Conc: 37.78 ug/ml



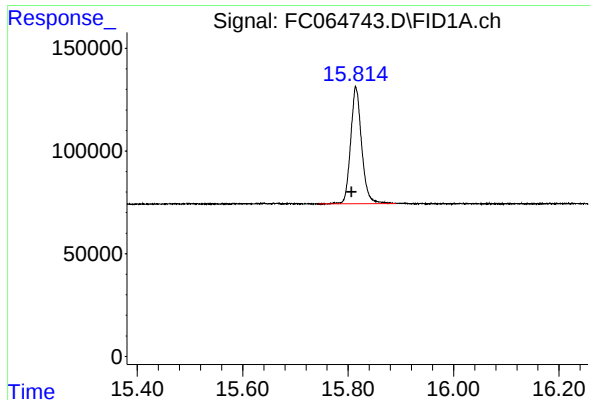
#13 n-Docosane (C22)

R.T.: 13.702 min
Delta R.T.: 0.010 min
Response: 901994
Conc: 5.54 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.799 min
Delta R.T.: 0.009 min
Response: 878481
Conc: 5.53 ug/ml



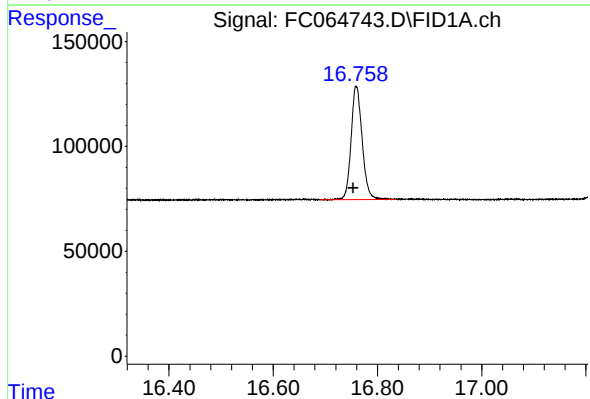
#15 n-Hexacosane (C26)

R.T.: 15.815 min
Delta R.T.: 0.008 min
Response: 826610
Conc: 5.42 ug/ml

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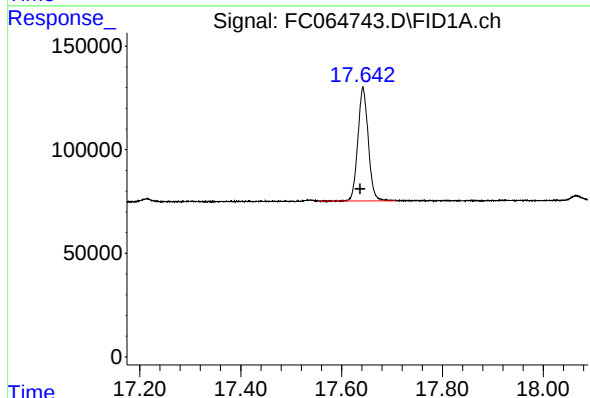
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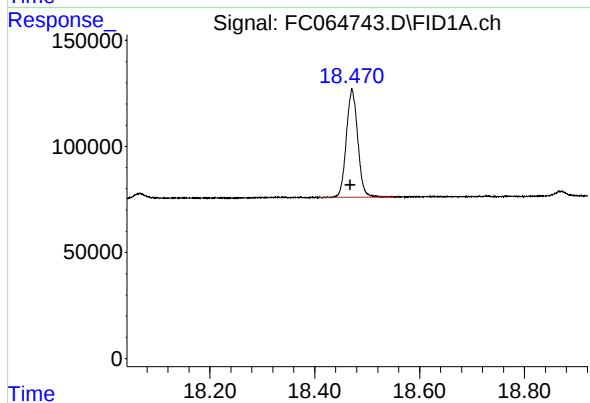
#16 n-Octacosane (C28)

R.T.: 16.759 min
Delta R.T.: 0.006 min
Response: 799327
Conc: 5.40 ug/ml



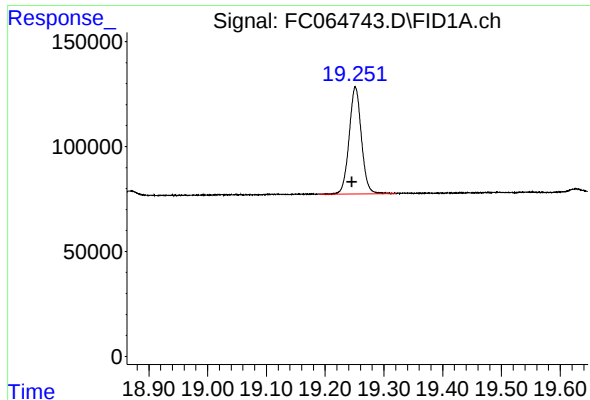
#17 n-Tricontane (C30)

R.T.: 17.643 min
Delta R.T.: 0.005 min
Response: 783362
Conc: 5.27 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.471 min
Delta R.T.: 0.003 min
Response: 772216
Conc: 5.29 ug/ml



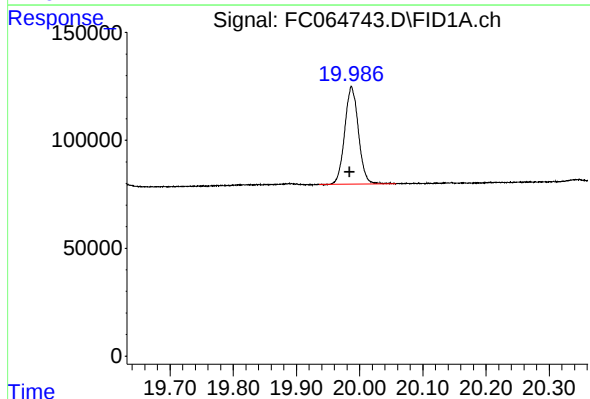
#19 n-Tetratriacontane (C34)

R.T.: 19.251 min
Delta R.T.: 0.006 min
Response: 737225
Conc: 5.19 ug/ml

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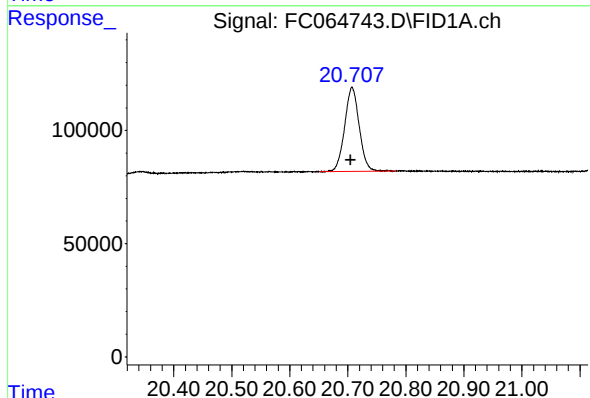
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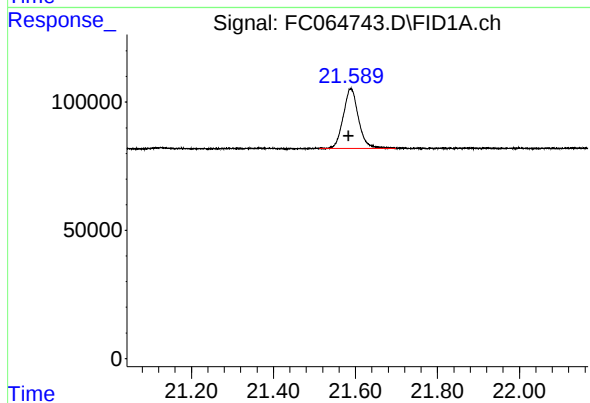
#20 n-Hexatriacontane (C36)

R.T.: 19.987 min
Delta R.T.: 0.003 min
Response: 682767
Conc: 4.96 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.707 min
Delta R.T.: 0.002 min
Response: 649274
Conc: 4.74 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.589 min
Delta R.T.: 0.005 min
Response: 601693
Conc: 4.42 ug/ml