

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE010722AL\
 Data File : FE034657.D
 Signal(s) : FID1B.CH
 Acq On : 07 Jan 2022 12:04
 Operator : AJ\MA
 Sample : M4068-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 MDL-SOIL-03-QT4-2021

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/10/2022
 Supervised By :Ankita Jodhani 01/10/2022

Integration File: autoint1.e
 Quant Time: Jan 07 22:47:20 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 010622.M
 Quant Title : GC Extractables
 QLast Update : Fri Jan 07 12:52:40 2022
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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...	12.529	3999093	37.982 ug/ml
Spiked Amount 50.000		Recovery =	75.96%
Target Compounds			
1) T n-Nonane (C9)	2.938	233555	2.003 ug/ml
2) T n-Decane (C10)	3.968	237146	2.006 ug/ml
4) T n-Dodecane (C12)	5.964	245603	2.063 ug/ml
6) T n-Tetradecane (C14)	7.749	250316	2.062 ug/ml
7) T n-Hexadecane (C16)	9.344	255625	2.099 ug/ml
8) T n-Octadecane (C18)	10.780	273087	2.190 ug/ml
10) T n-Eicosane (C20)	12.084	264664	2.146 ug/ml
11) T n-Heneicosane (C21)	12.693	266816	2.144 ug/ml
13) T n-Docosane (C22)	13.278	270422	2.193 ug/ml
14) T n-Tetracosane (C24)	14.376	265489	2.158 ug/ml
15) T n-Hexacosane (C26)	15.394	266428	2.236 ug/ml
16) T n-Octacosane (C28)	16.339	285296	2.468 ug/ml
17) T n-Tricontane (C30)	17.224	327110	2.997 ug/ml
18) T n-Dotriacontane (C32)	18.053	325420	3.394 ug/ml
19) T n-Tetratriacontane (C34)	18.836	278248	3.355 ug/ml
20) T n-Hexatriacontane (C36)	19.571	237391	3.476 ug/mlm
21) T n-Octatriacontane (C38)	20.281	215827	3.744 ug/mlm
22) T n-Tetracontane (C40)	21.121	181983	3.640 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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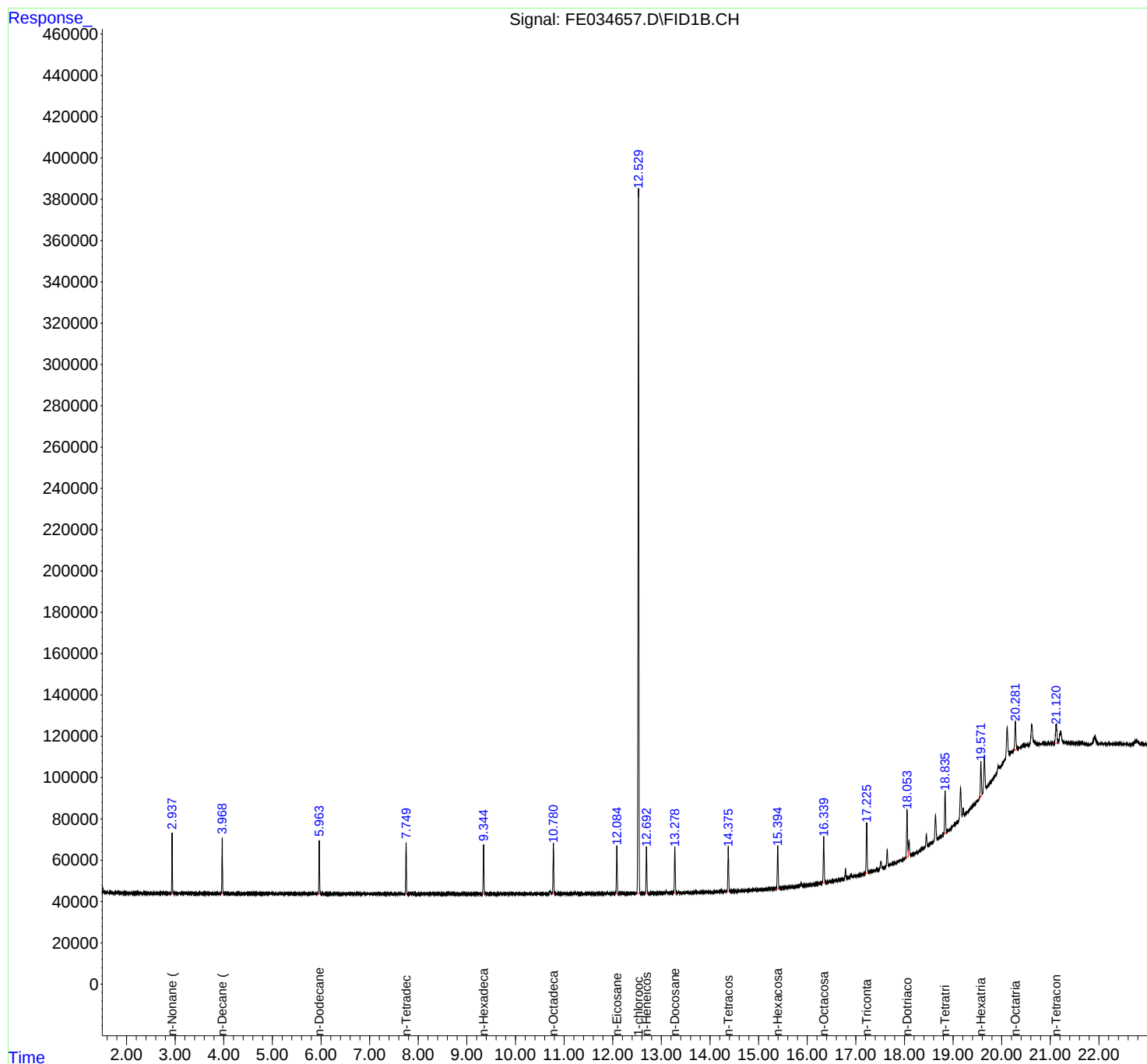
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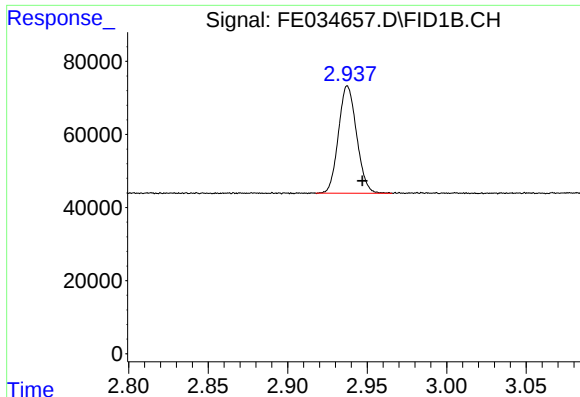
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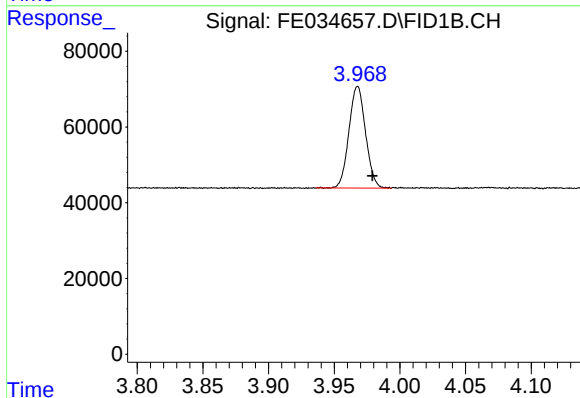
#1 n-Nonane (C9)

R.T.: 2.938 min
Delta R.T.: -0.009 min
Response: 233555
Conc: 2.00 ug/ml

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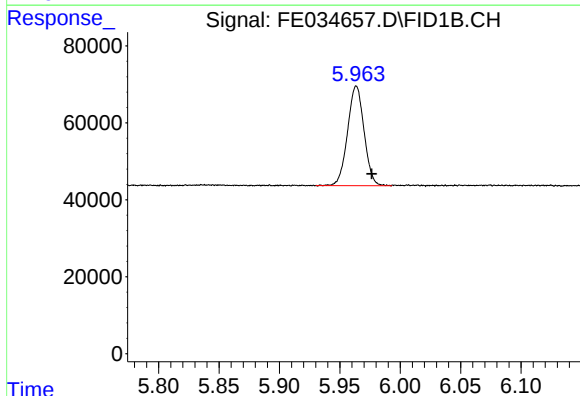
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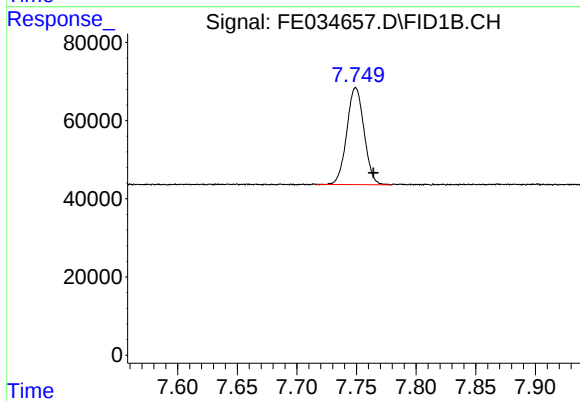
#2 n-Decane (C10)

R.T.: 3.968 min
Delta R.T.: -0.011 min
Response: 237146
Conc: 2.01 ug/ml



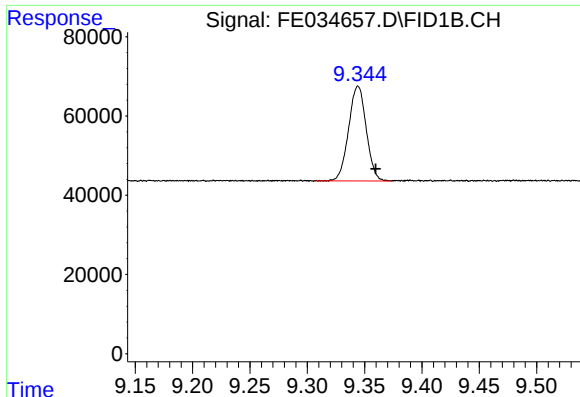
#4 n-Dodecane (C12)

R.T.: 5.964 min
Delta R.T.: -0.013 min
Response: 245603
Conc: 2.06 ug/ml



#6 n-Tetradecane (C14)

R.T.: 7.749 min
Delta R.T.: -0.015 min
Response: 250316
Conc: 2.06 ug/ml



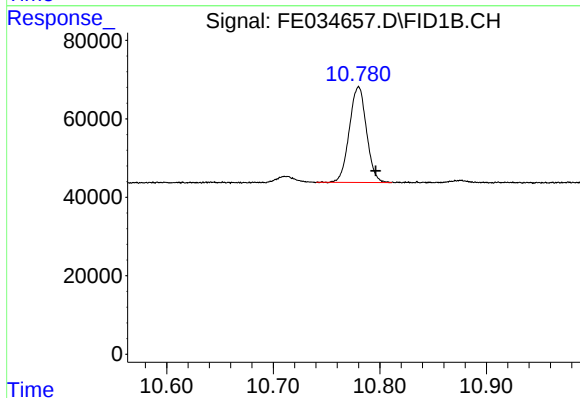
#7 n-Hexadecane (C16)

R.T.: 9.344 min
Delta R.T.: -0.015 min
Response: 255625
Conc: 2.10 ug/ml

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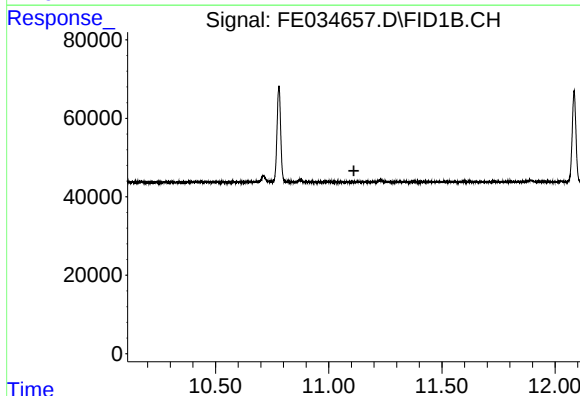
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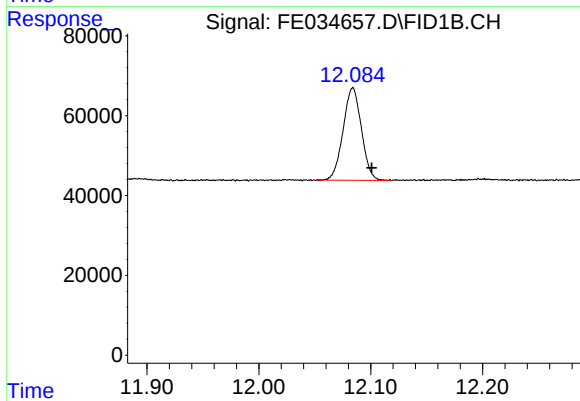
#8 n-Octadecane (C18)

R.T.: 10.780 min
Delta R.T.: -0.016 min
Response: 273087
Conc: 2.19 ug/ml



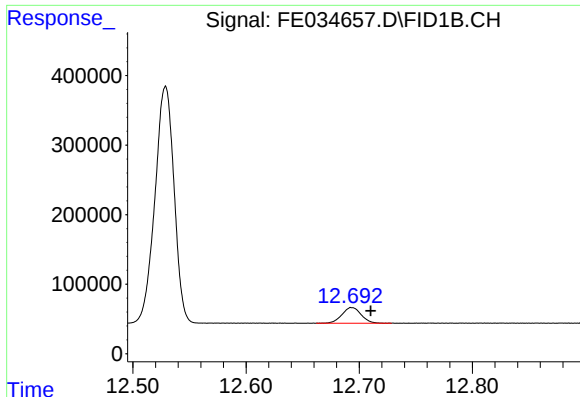
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.111 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.084 min
Delta R.T.: -0.017 min
Response: 264664
Conc: 2.15 ug/ml



#11 n-Heneicosane (C21)

R.T.: 12.693 min
Delta R.T.: -0.017 min
Response: 266816
Conc: 2.14 ug/ml

Instrument :

FID_E

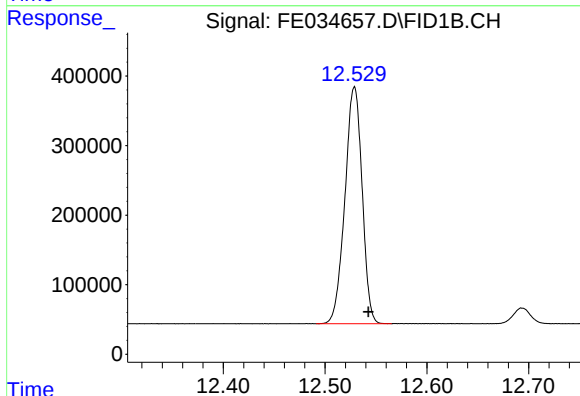
ClientSampleId :

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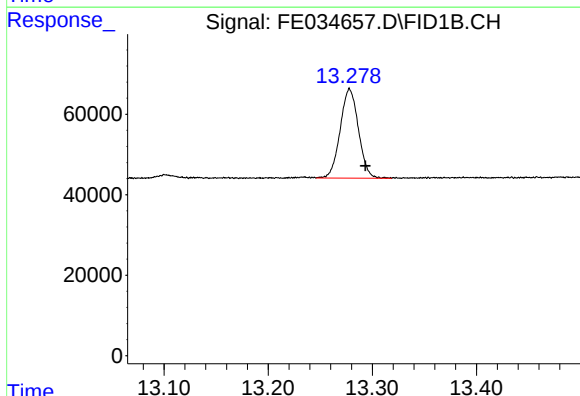
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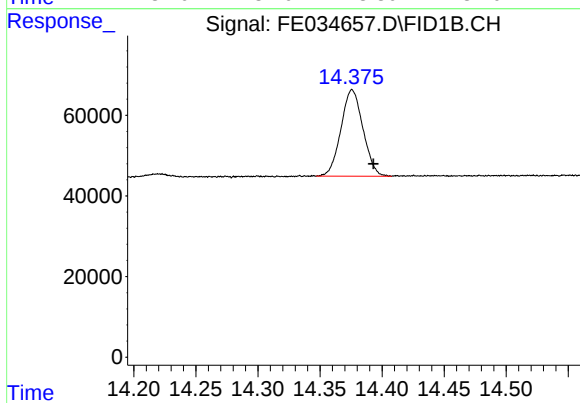
#12 1-chlorooctadecane (SURR)

R.T.: 12.529 min
Delta R.T.: -0.014 min
Response: 3999093
Conc: 37.98 ug/ml



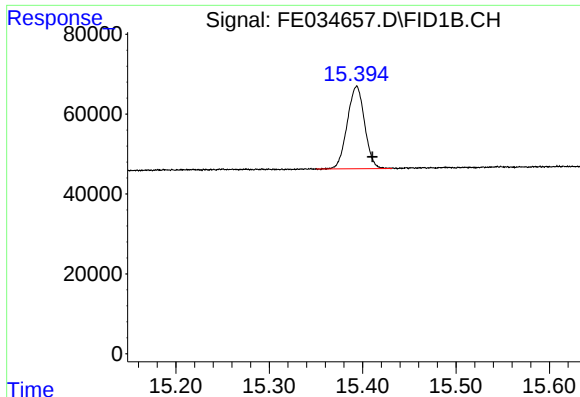
#13 n-Docosane (C22)

R.T.: 13.278 min
Delta R.T.: -0.015 min
Response: 270422
Conc: 2.19 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.376 min
Delta R.T.: -0.017 min
Response: 265489
Conc: 2.16 ug/ml



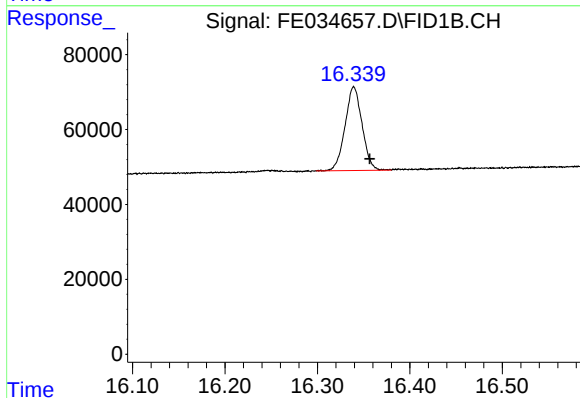
#15 n-Hexacosane (C26)

R.T.: 15.394 min
Delta R.T.: -0.017 min
Response: 266428
Conc: 2.24 ug/ml

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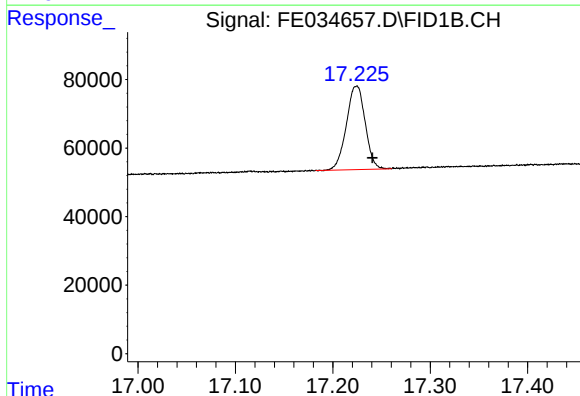
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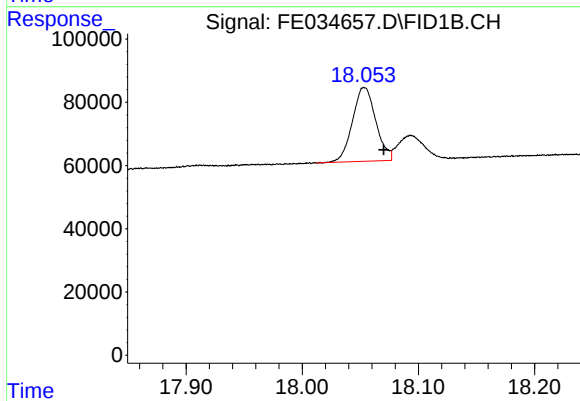
#16 n-Octacosane (C28)

R.T.: 16.339 min
Delta R.T.: -0.017 min
Response: 285296
Conc: 2.47 ug/ml



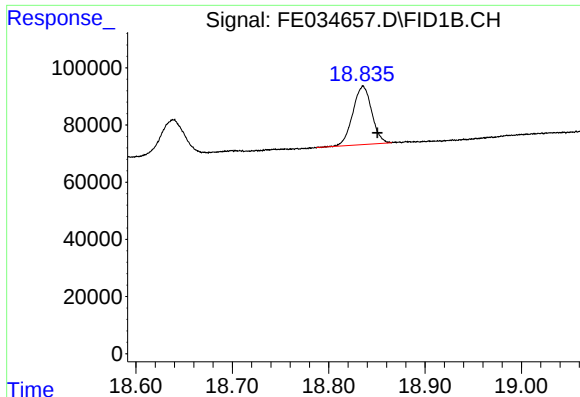
#17 n-Tricontane (C30)

R.T.: 17.224 min
Delta R.T.: -0.016 min
Response: 327110
Conc: 3.00 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.053 min
Delta R.T.: -0.017 min
Response: 325420
Conc: 3.39 ug/ml



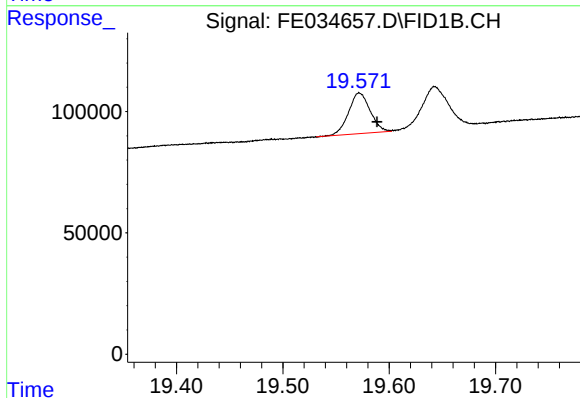
#19 n-Tetratriacontane (C34)

R.T.: 18.836 min
Delta R.T.: -0.015 min
Response: 278248
Conc: 3.36 ug/ml

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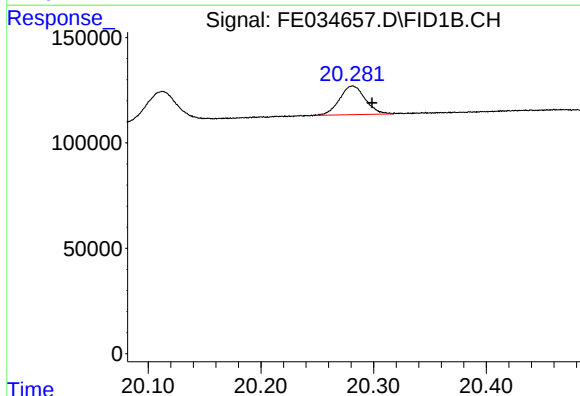
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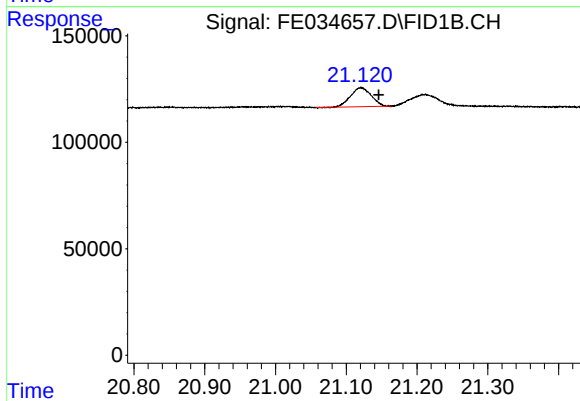
#20 n-Hexatriacontane (C36)

R.T.: 19.571 min
Delta R.T.: -0.017 min
Response: 237391
Conc: 3.48 ug/ml m



#21 n-Octatriacontane (C38)

R.T.: 20.281 min
Delta R.T.: -0.017 min
Response: 215827
Conc: 3.74 ug/ml m



#22 n-Tetracontane (C40)

R.T.: 21.121 min
Delta R.T.: -0.025 min
Response: 181983
Conc: 3.64 ug/ml