

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092324AL\
 Data File : FE050282.D
 Signal(s) : FID1B.ch
 Acq On : 23 Sep 2024 09:40
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/23/2024
 Supervised By :Ankita Jodhani 09/24/2024

Integration File: autoint1.e
 Quant Time: Sep 23 10:43:46 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 09 17:11:47 2024
 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			
9) S ortho-Terphenyl (SURR)	11.871	2512507	16.887 ug/ml
Spiked Amount 50.000		Recovery =	33.77%
12) S 1-chlorooctadecane (S...	13.305	1886563	16.795 ug/ml
Spiked Amount 50.000		Recovery =	33.59%
Target Compounds			
1) T n-Nonane (C9)	3.259	2186014	16.128 ug/mlm
2) T n-Decane (C10)	4.510	2293809	16.620 ug/ml
3) T A~Naphthalene (C11.7)	6.219	2324238	16.605 ug/ml
4) T n-Dodecane (C12)	6.677	2296400	16.606 ug/ml
5) T A~2-methylnaphthalene...	7.315	2170719	16.515 ug/ml
6) T n-Tetradecane (C14)	8.504	2279637	16.741 ug/ml
7) T n-Hexadecane (C16)	10.110	2348915	16.910 ug/ml
8) T n-Octadecane (C18)	11.551	2374704	16.950 ug/ml
10) T n-Eicosane (C20)	12.859	2267145	16.901 ug/ml
11) T n-Heneicosane (C21)	13.470	2238593	17.037 ug/ml
13) T n-Docosane (C22)	14.056	2242569	17.222 ug/ml
14) T n-Tetracosane (C24)	15.158	2297026	17.590 ug/ml
15) T n-Hexacosane (C26)	16.177	2288786	17.890 ug/ml
16) T n-Octacosane (C28)	17.126	2386908	18.531 ug/ml
17) T n-Tricontane (C30)	18.011	2601538	19.455 ug/ml
18) T n-Dotriacontane (C32)	18.844	2638175	19.798 ug/ml
19) T n-Tetratriacontane (C34)	19.627	2383591	19.291 ug/ml
20) T n-Hexatriacontane (C36)	20.365	2263453	20.401 ug/ml
21) T n-Octatriacontane (C38)	21.092	1923229	17.440 ug/ml
22) T n-Tetracontane (C40)	21.979	1720044	15.807 ug/ml

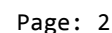
(f)=RT Delta > 1/2 Window

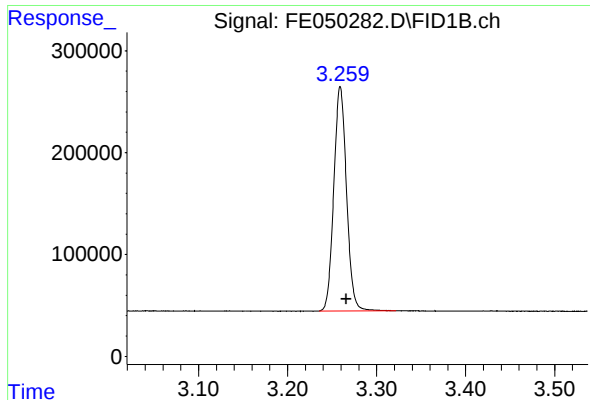
(m)=manual int.

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Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um





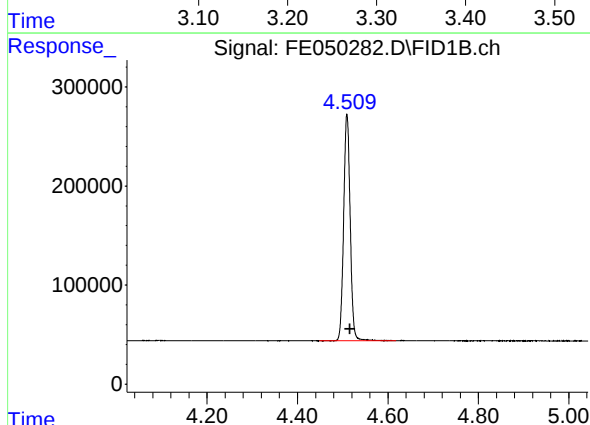
#1 n-Nonane (C9)

R.T.: 3.259 min
Delta R.T.: -0.007 min
Response: 2186014
Conc: 16.13 ug/ml

Instrument :
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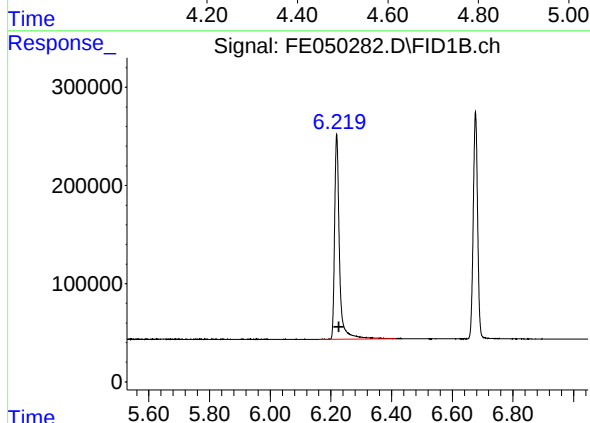
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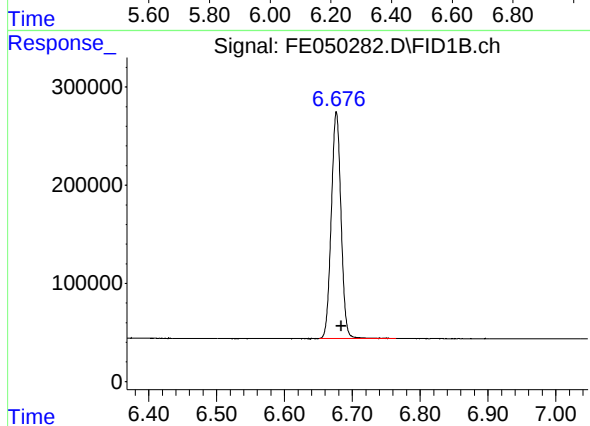
#2 n-Decane (C10)

R.T.: 4.510 min
Delta R.T.: -0.007 min
Response: 2293809
Conc: 16.62 ug/ml



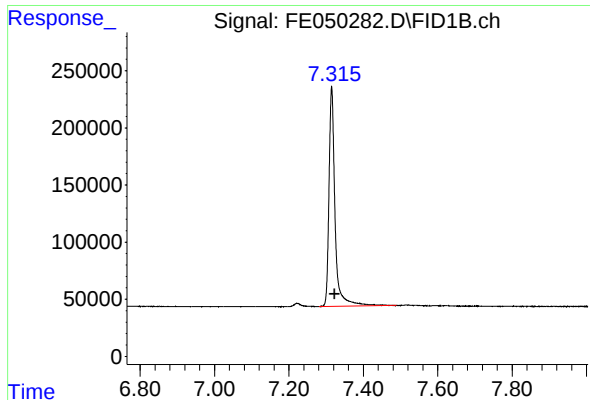
#3 A~Naphthalene (C11.7)

R.T.: 6.219 min
Delta R.T.: -0.008 min
Response: 2324238
Conc: 16.61 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.677 min
Delta R.T.: -0.007 min
Response: 2296400
Conc: 16.61 ug/ml



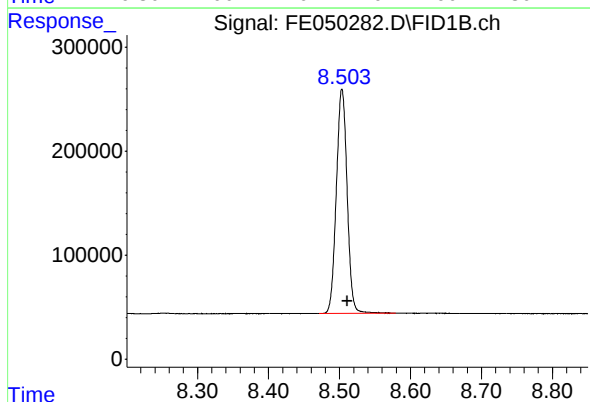
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.315 min
Delta R.T.: -0.008 min
Response: 2170719
Conc: 16.52 ug/ml

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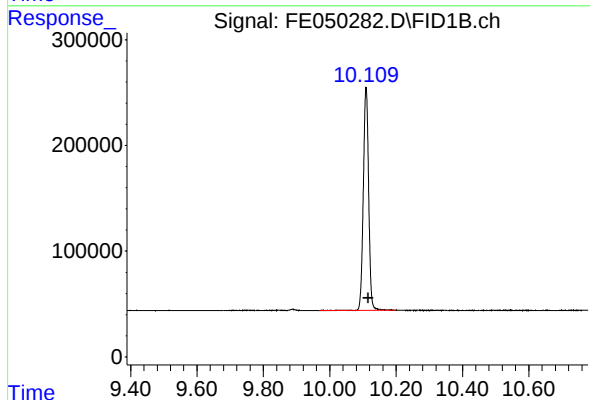
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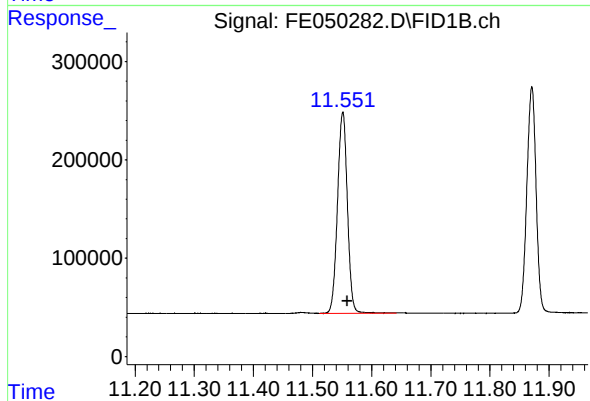
#6 n-Tetradecane (C14)

R.T.: 8.504 min
Delta R.T.: -0.007 min
Response: 2279637
Conc: 16.74 ug/ml



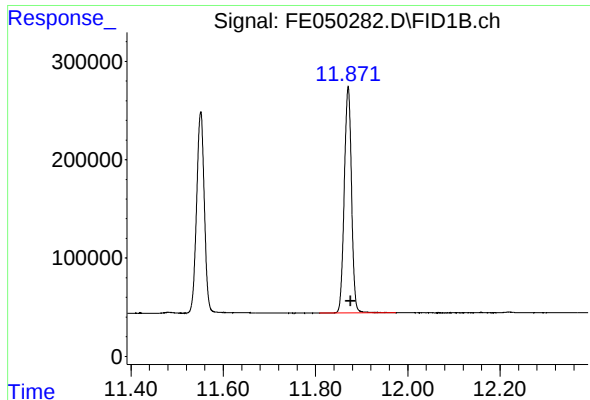
#7 n-Hexadecane (C16)

R.T.: 10.110 min
Delta R.T.: -0.007 min
Response: 2348915
Conc: 16.91 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.551 min
Delta R.T.: -0.007 min
Response: 2374704
Conc: 16.95 ug/ml



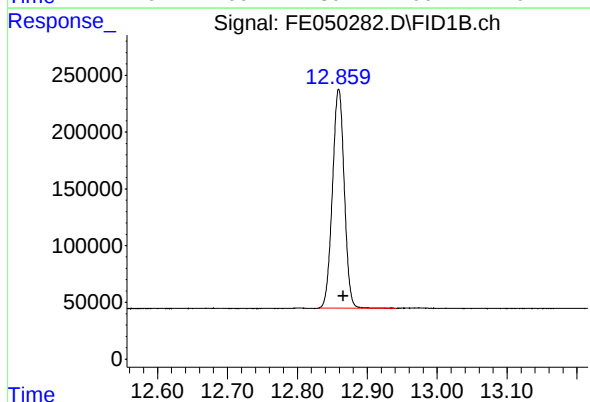
#9 ortho-Terphenyl (SURR)

R.T.: 11.871 min
Delta R.T.: -0.006 min
Response: 2512507
Conc: 16.89 ug/ml

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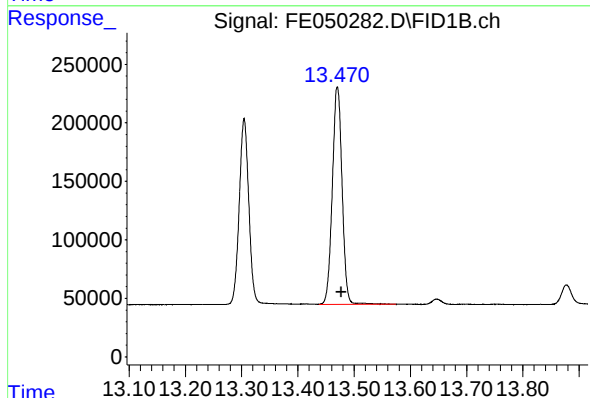
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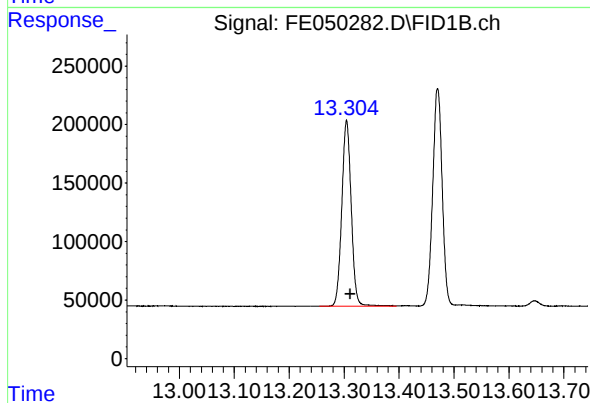
#10 n-Eicosane (C20)

R.T.: 12.859 min
Delta R.T.: -0.007 min
Response: 2267145
Conc: 16.90 ug/ml



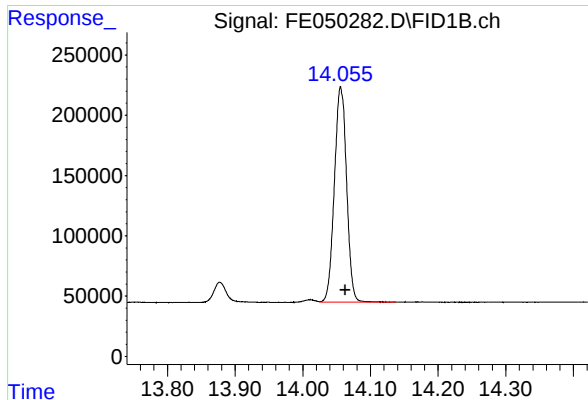
#11 n-Heneicosane (C21)

R.T.: 13.470 min
Delta R.T.: -0.007 min
Response: 2238593
Conc: 17.04 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.305 min
Delta R.T.: -0.007 min
Response: 1886563
Conc: 16.80 ug/ml



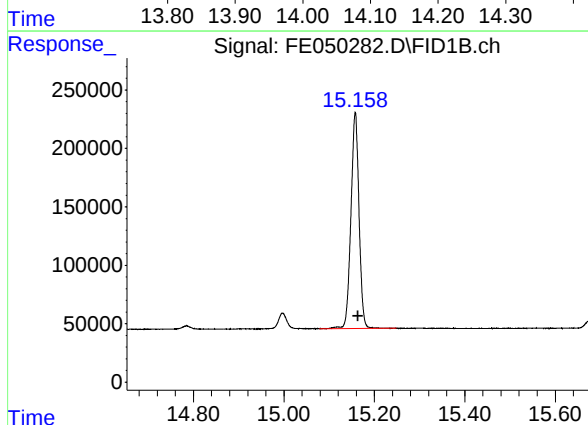
#13 n-Docosane (C22)

R.T.: 14.056 min
Delta R.T.: -0.007 min
Response: 2242569
Conc: 17.22 ug/ml

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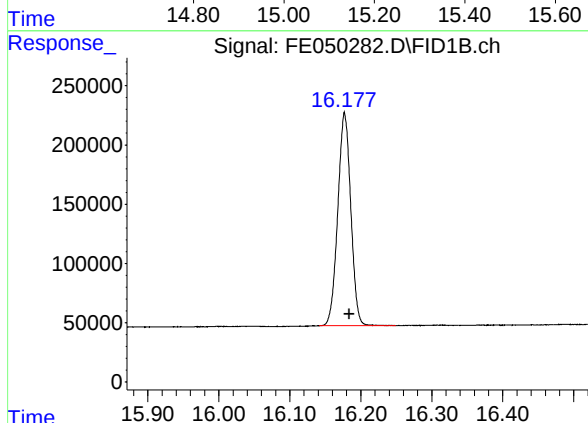
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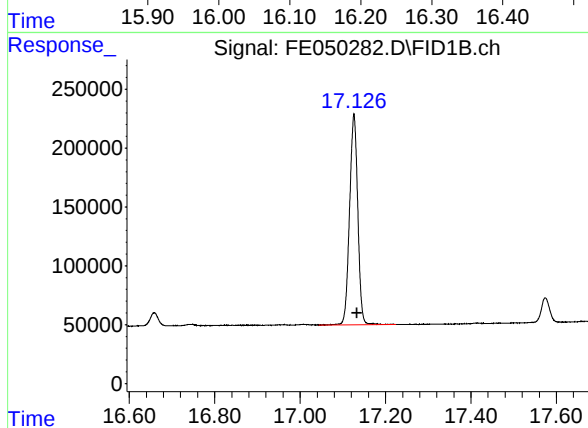
#14 n-Tetracosane (C24)

R.T.: 15.158 min
Delta R.T.: -0.007 min
Response: 2297026
Conc: 17.59 ug/ml



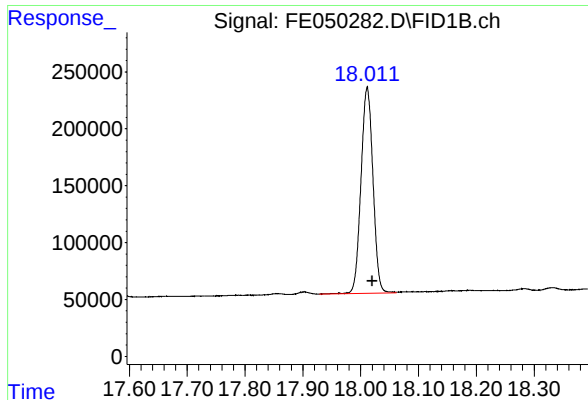
#15 n-Hexacosane (C26)

R.T.: 16.177 min
Delta R.T.: -0.006 min
Response: 2288786
Conc: 17.89 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.126 min
Delta R.T.: -0.007 min
Response: 2386908
Conc: 18.53 ug/ml



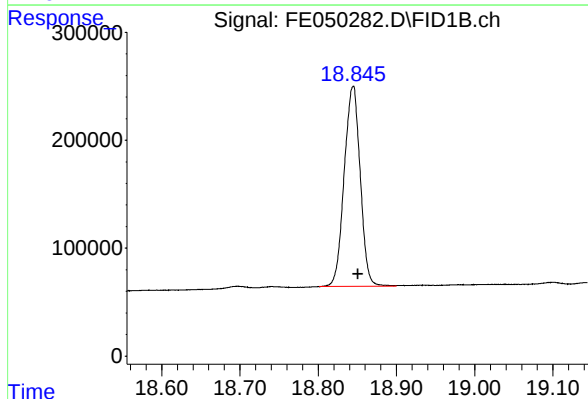
#17 n-Tricontane (C30)

R.T.: 18.011 min
Delta R.T.: -0.009 min
Response: 2601538
Conc: 19.45 ug/ml

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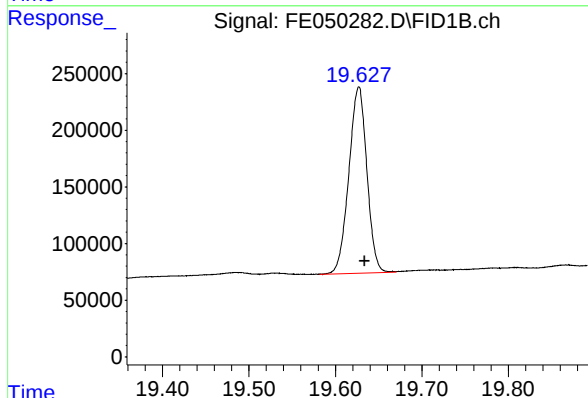
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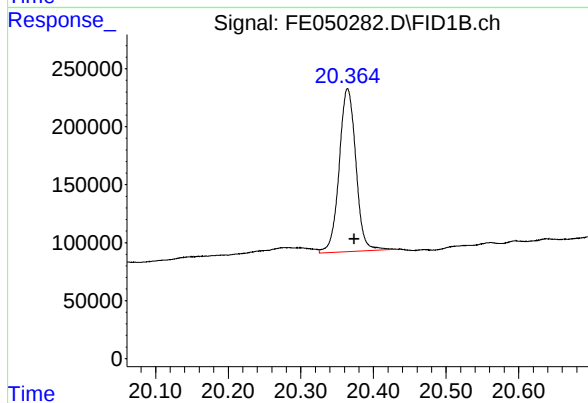
#18 n-Dotriacontane (C32)

R.T.: 18.844 min
Delta R.T.: -0.007 min
Response: 2638175
Conc: 19.80 ug/ml



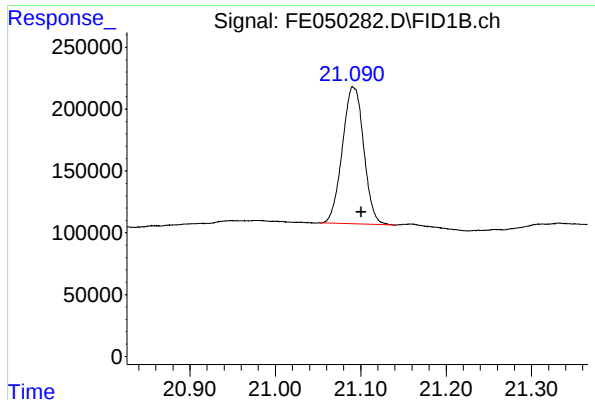
#19 n-Tetratriacontane (C34)

R.T.: 19.627 min
Delta R.T.: -0.007 min
Response: 2383591
Conc: 19.29 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.365 min
Delta R.T.: -0.009 min
Response: 2263453
Conc: 20.40 ug/ml



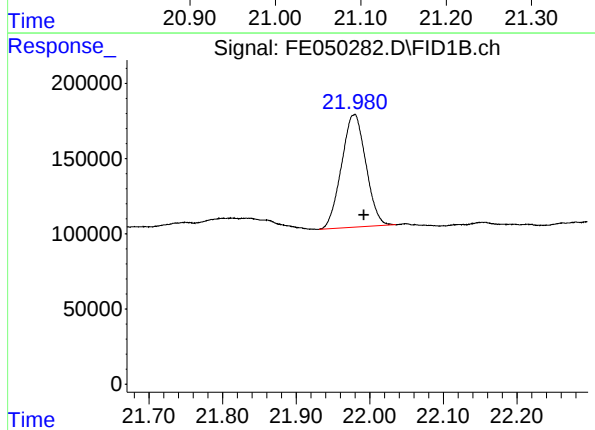
#21 n-Octatriacontane (C38)

R.T.: 21.092 min
Delta R.T.: -0.009 min
Response: 1923229
Conc: 17.44 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.979 min
Delta R.T.: -0.013 min
Response: 1720044
Conc: 15.81 ug/ml