

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD072123AL\
 Data File : FD046181.D
 Signal(s) : FID2B.ch
 Acq On : 21 Jul 2023 23:18
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/24/2023
 Supervised By :Ankita Jodhani 07/24/2023

Integration File: autoint1.e
 Quant Time: Jul 22 00:27:24 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 072023.M
 Quant Title : GC Extractables
 QLast Update : Thu Jul 20 14:31:50 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			
9) S ortho-Terphenyl (SURR)	11.405	3545128	20.333 ug/ml
Spiked Amount 50.000		Recovery =	40.67%
12) S 1-chlorooctadecane (S...	12.840	2592202	21.543 ug/ml
Spiked Amount 50.000		Recovery =	43.09%
Target Compounds			
1) T n-Nonane (C9)	3.227	3117051	19.771 ug/ml
2) T n-Decane (C10)	4.284	3178595	19.793 ug/ml
3) T A~Naphthalene (C11.7)	5.849	3468219	20.033 ug/ml
4) T n-Dodecane (C12)	6.289	3208369	19.849 ug/ml
5) T A~2-methylnaphthalene...	6.899	3341402	20.246 ug/ml
6) T n-Tetradecane (C14)	8.074	3168943	19.919 ug/ml
7) T n-Hexadecane (C16)	9.666	3262479	20.049 ug/ml
8) T n-Octadecane (C18)	11.099	3244361	20.113 ug/ml
10) T n-Eicosane (C20)	12.400	3054546	20.463 ug/ml
11) T n-Heneicosane (C21)	13.008	2976687	20.621 ug/ml
13) T n-Docosane (C22)	13.591	2914404	20.858 ug/ml
14) T n-Tetracosane (C24)	14.686	2851691	20.710 ug/ml
15) T n-Hexacosane (C26)	15.700	2671483	20.897 ug/ml
16) T n-Octacosane (C28)	16.643	2560614	21.029 ug/ml
17) T n-Tricontane (C30)	17.524	2541046	20.531 ug/ml
18) T n-Dotriacontane (C32)	18.350	2498027	20.458 ug/mlm
19) T n-Tetratriacontane (C34)	19.126	2454487	19.185 ug/mlm
20) T n-Hexatriacontane (C36)	19.861	2428148	21.202 ug/mlm
21) T n-Octatriacontane (C38)	20.563	2341960	20.802 ug/mlm
22) T n-Tetracontane (C40)	21.385	2571143	23.969 ug/mlm

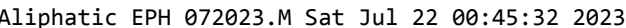
(f)=RT Delta > 1/2 Window

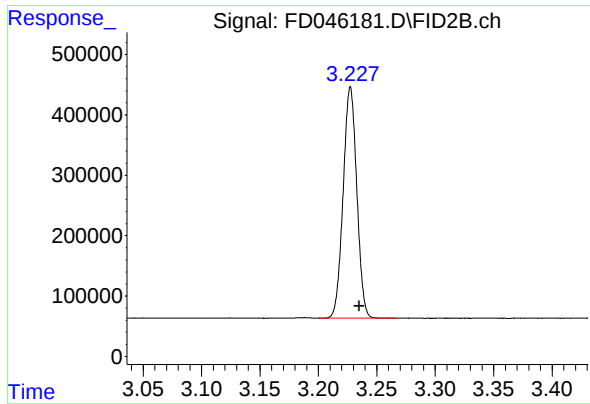
(m)=manual int.

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





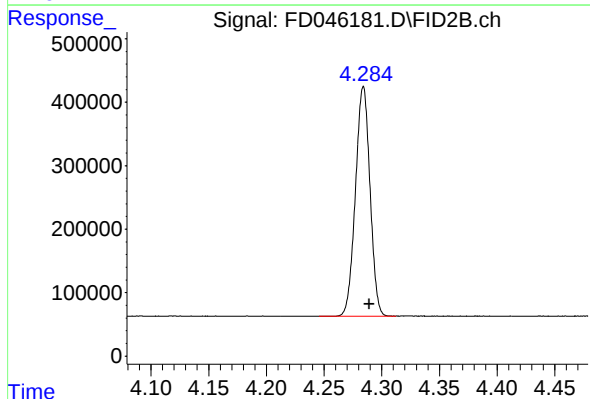
#1 n-Nonane (C9)

R.T.: 3.227 min
Delta R.T.: -0.008 min
Response: 3117051
Conc: 19.77 ug/ml

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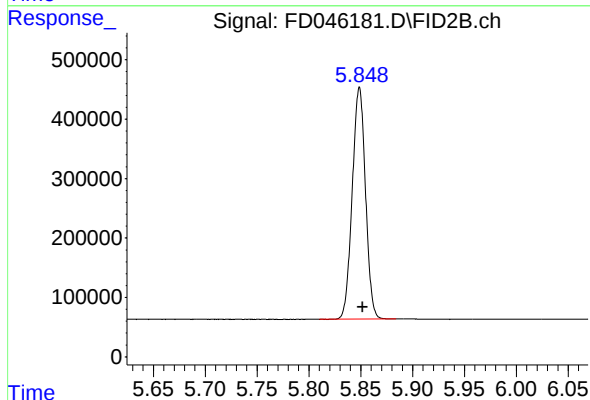
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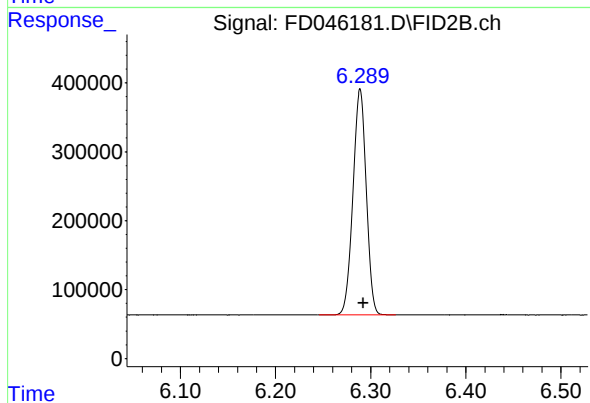
#2 n-Decane (C10)

R.T.: 4.284 min
Delta R.T.: -0.005 min
Response: 3178595
Conc: 19.79 ug/ml



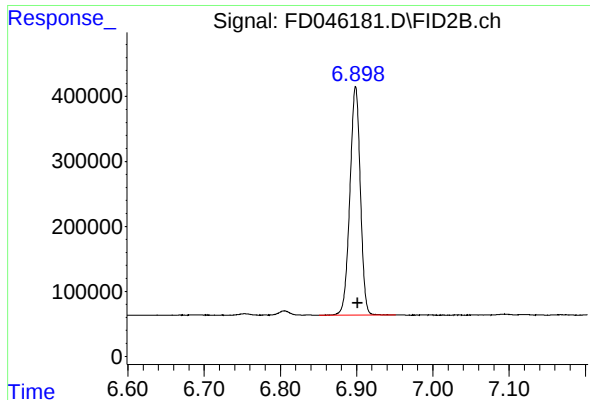
#3 A~Naphthalene (C11.7)

R.T.: 5.849 min
Delta R.T.: -0.003 min
Response: 3468219
Conc: 20.03 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.289 min
Delta R.T.: -0.003 min
Response: 3208369
Conc: 19.85 ug/ml



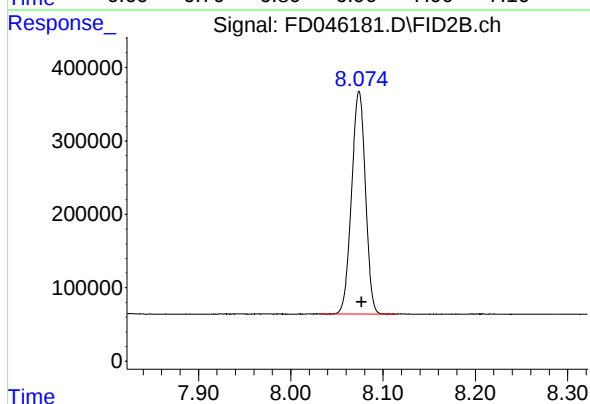
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.899 min
Delta R.T.: -0.003 min
Response: 3341402
Conc: 20.25 ug/ml

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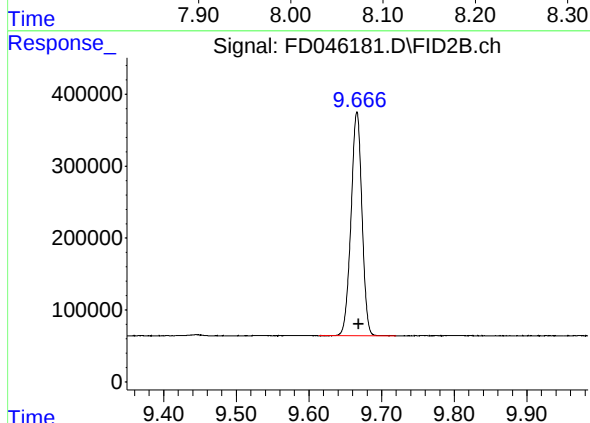
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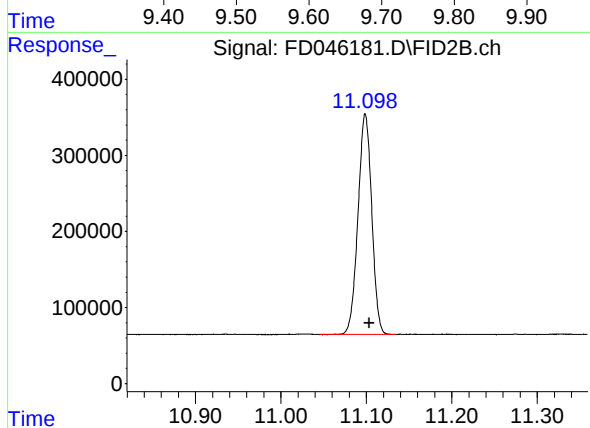
#6 n-Tetradecane (C14)

R.T.: 8.074 min
Delta R.T.: -0.003 min
Response: 3168943
Conc: 19.92 ug/ml



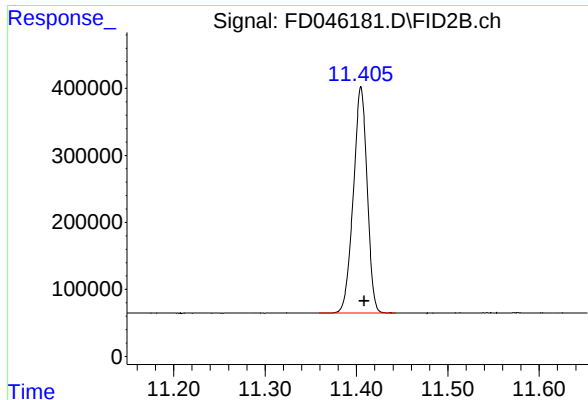
#7 n-Hexadecane (C16)

R.T.: 9.666 min
Delta R.T.: -0.003 min
Response: 3262479
Conc: 20.05 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.099 min
Delta R.T.: -0.005 min
Response: 3244361
Conc: 20.11 ug/ml



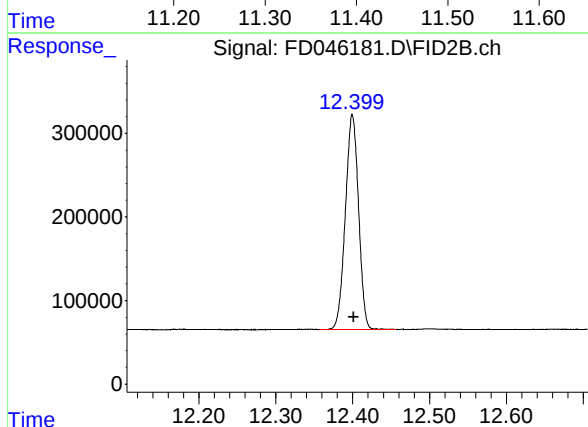
#9 ortho-Terphenyl (SURR)

R.T.: 11.405 min
Delta R.T.: -0.004 min
Response: 3545128
Conc: 20.33 ug/ml

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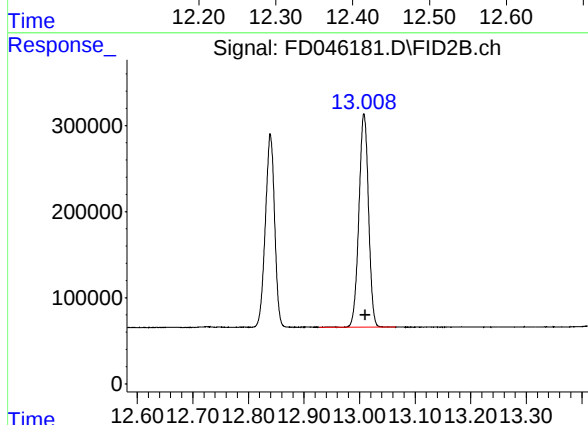
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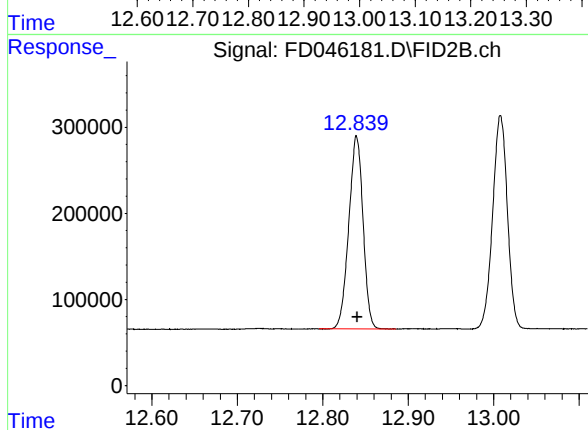
#10 n-Eicosane (C20)

R.T.: 12.400 min
Delta R.T.: -0.002 min
Response: 3054546
Conc: 20.46 ug/ml



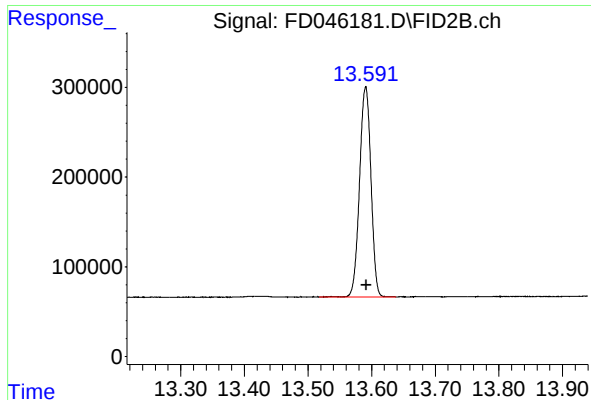
#11 n-Heneicosane (C21)

R.T.: 13.008 min
Delta R.T.: -0.002 min
Response: 2976687
Conc: 20.62 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.840 min
Delta R.T.: 0.000 min
Response: 2592202
Conc: 21.54 ug/ml



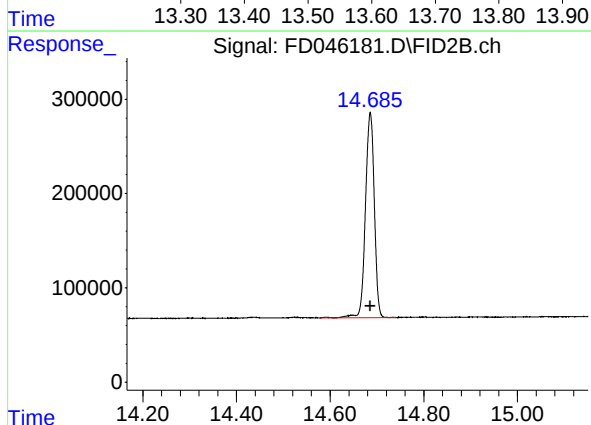
#13 n-Docosane (C22)

R.T.: 13.591 min
Delta R.T.: 0.000 min
Response: 2914404
Conc: 20.86 ug/ml

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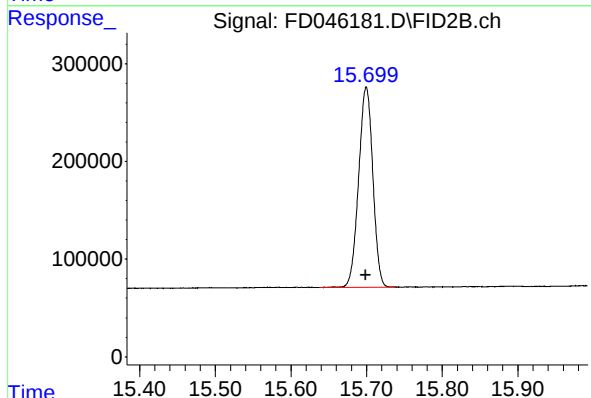
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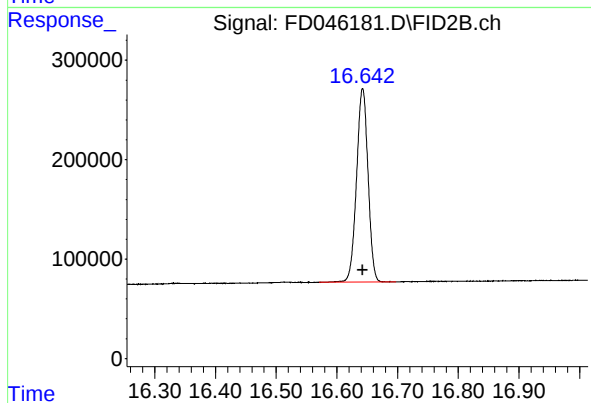
#14 n-Tetracosane (C24)

R.T.: 14.686 min
Delta R.T.: 0.000 min
Response: 2851691
Conc: 20.71 ug/ml



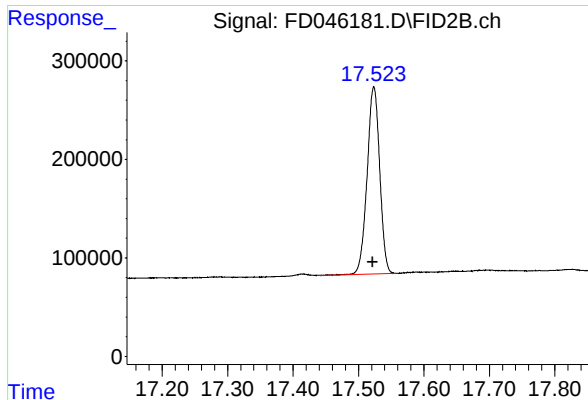
#15 n-Hexacosane (C26)

R.T.: 15.700 min
Delta R.T.: 0.000 min
Response: 2671483
Conc: 20.90 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.643 min
Delta R.T.: 0.000 min
Response: 2560614
Conc: 21.03 ug/ml



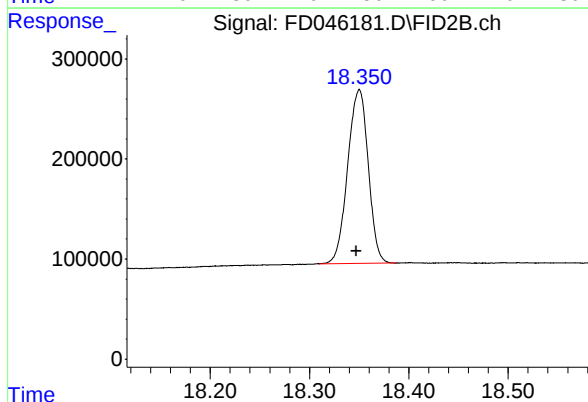
#17 n-Tricontane (C30)

R.T.: 17.524 min
Delta R.T.: 0.002 min
Response: 2541046
Conc: 20.53 ug/ml

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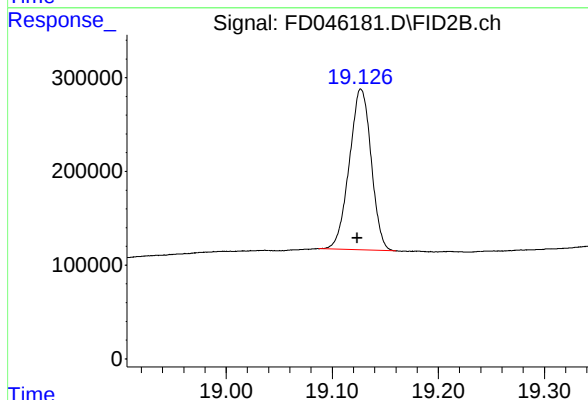
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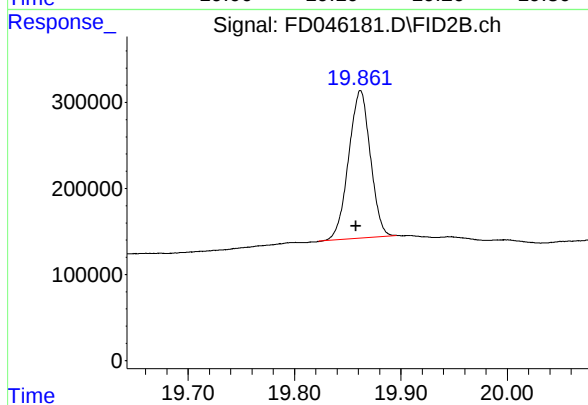
#18 n-Dotriacontane (C32)

R.T.: 18.350 min
Delta R.T.: 0.003 min
Response: 2498027
Conc: 20.46 ug/ml m



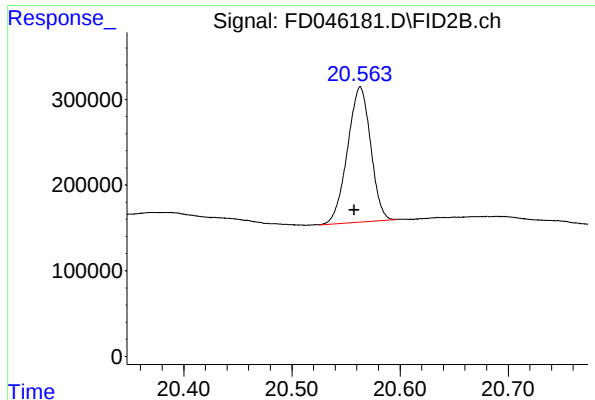
#19 n-Tetatriacontane (C34)

R.T.: 19.126 min
Delta R.T.: 0.003 min
Response: 2454487
Conc: 19.18 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.861 min
Delta R.T.: 0.004 min
Response: 2428148
Conc: 21.20 ug/ml m



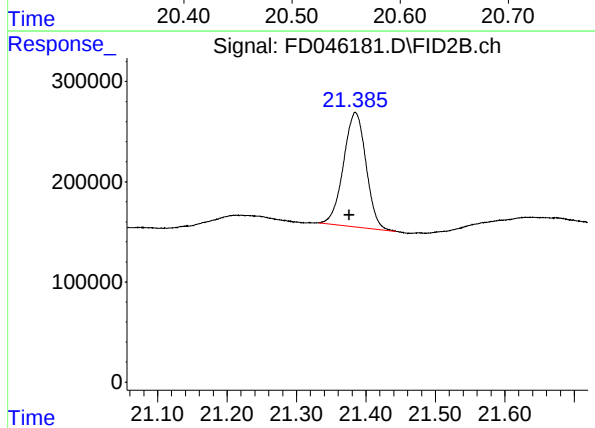
#21 n-Octatriacontane (C38)

R.T.: 20.563 min
Delta R.T.: 0.005 min
Response: 2341960
Conc: 20.80 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.385 min
Delta R.T.: 0.008 min
Response: 2571143
Conc: 23.97 ug/ml m