

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE040323AL\
 Data File : FE041117.D
 Signal(s) : FID1B.ch
 Acq On : 03 Apr 2023 09:10
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/04/2023
 Supervised By :Ankita Jodhani 04/04/2023

Integration File: autoint1.e
 Quant Time: Apr 03 22:18:56 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032523.M
 Quant Title : GC Extractables
 QLast Update : Sat Mar 25 06:32:15 2023
 Response via : Initial Calibration
 Integrator: ChemStation

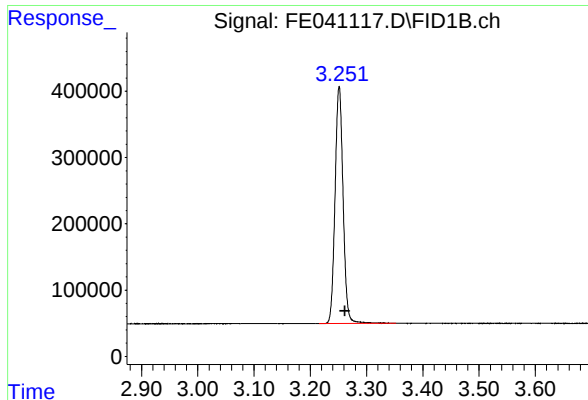
Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.857	3958087	21.060 ug/ml
Spiked Amount 50.000		Recovery =	42.12%
12) S 1-chlorooctadecane (S...	13.298	3047969	21.184 ug/ml
Spiked Amount 50.000		Recovery =	42.37%
Target Compounds			
1) T n-Nonane (C9)	3.251	3557184	20.501 ug/ml
2) T n-Decane (C10)	4.499	3550181	20.857 ug/ml
3) T A~Naphthalene (C11.7)	6.202	3913750	21.397 ug/ml
4) T n-Dodecane (C12)	6.664	3610642	20.815 ug/ml
5) T A~2-methylnaphthalene...	7.297	3692134	22.294 ug/ml
6) T n-Tetradecane (C14)	8.491	3655125	20.962 ug/ml
7) T n-Hexadecane (C16)	10.099	3757752	21.128 ug/ml
8) T n-Octadecane (C18)	11.542	3788095	21.216 ug/ml
10) T n-Eicosane (C20)	12.853	3645642	21.373 ug/ml
11) T n-Heneicosane (C21)	13.465	3611236	21.345 ug/ml
13) T n-Docosane (C22)	14.052	3568553	21.564 ug/ml
14) T n-Tetracosane (C24)	15.156	3551036	21.949 ug/ml
15) T n-Hexacosane (C26)	16.180	3443649	22.215 ug/ml
16) T n-Octacosane (C28)	17.130	3431643	22.403 ug/ml
17) T n-Tricontane (C30)	18.019	3459548	22.633 ug/ml
18) T n-Dotriacontane (C32)	18.854	3503866	22.442 ug/ml
19) T n-Tetratriacontane (C34)	19.639	3437196	22.180 ug/ml
20) T n-Hexatriacontane (C36)	20.380	3349558	22.051 ug/mlm
21) T n-Octatriacontane (C38)	21.111	3367890	21.559 ug/ml
22) T n-Tetracontane (C40)	21.998	3460362	21.681 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.



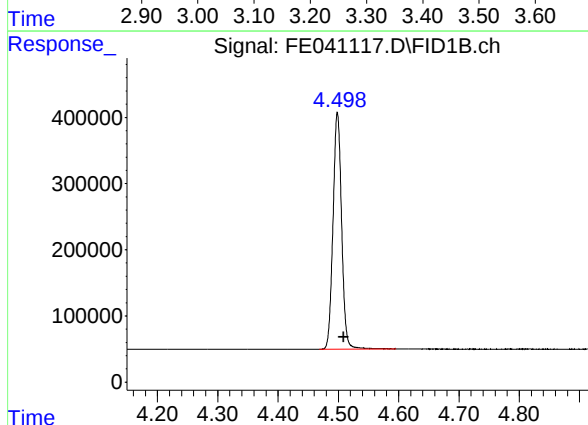
#1 n-Nonane (C9)

R.T.: 3.251 min
Delta R.T.: -0.011 min
Response: 3557184
Conc: 20.50 ug/ml

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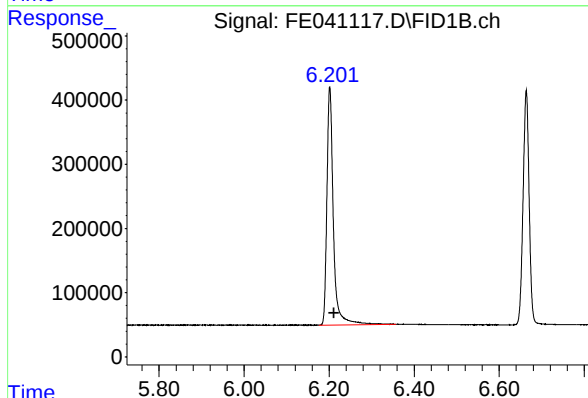
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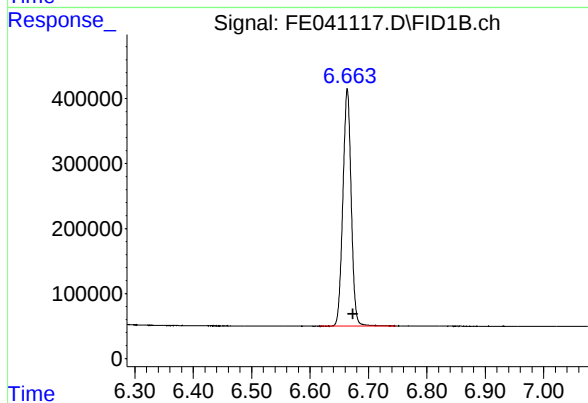
#2 n-Decane (C10)

R.T.: 4.499 min
Delta R.T.: -0.010 min
Response: 3550181
Conc: 20.86 ug/ml



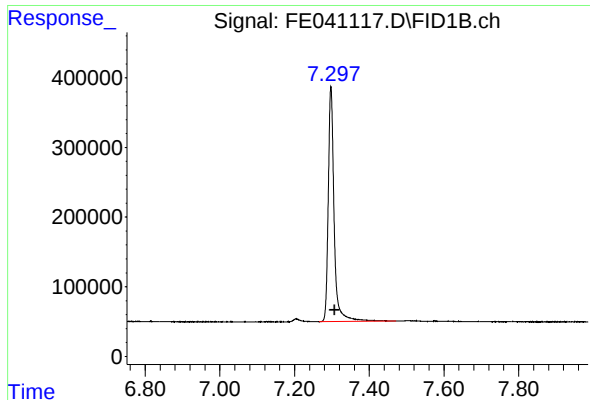
#3 A~Naphthalene (C11.7)

R.T.: 6.202 min
Delta R.T.: -0.010 min
Response: 3913750
Conc: 21.40 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.664 min
Delta R.T.: -0.010 min
Response: 3610642
Conc: 20.82 ug/ml



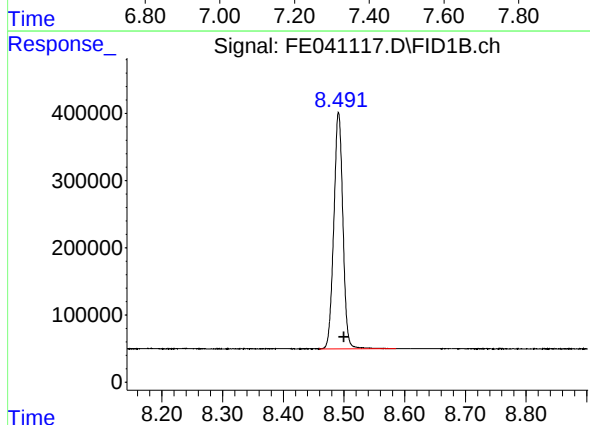
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.297 min
Delta R.T.: -0.010 min
Response: 3692134
Conc: 22.29 ug/ml

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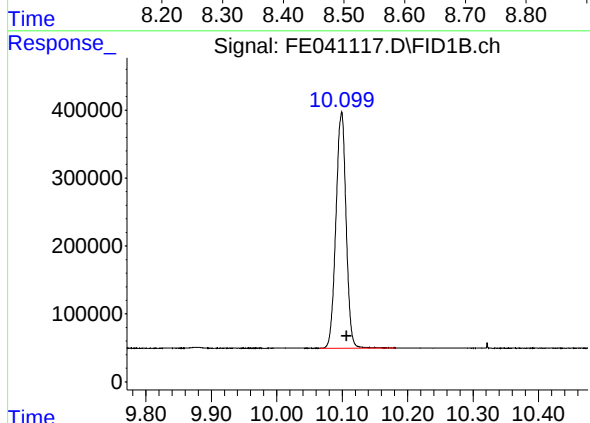
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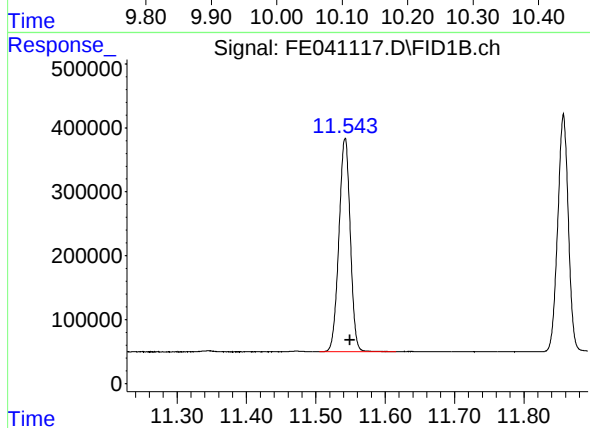
#6 n-Tetradecane (C14)

R.T.: 8.491 min
Delta R.T.: -0.009 min
Response: 3655125
Conc: 20.96 ug/ml



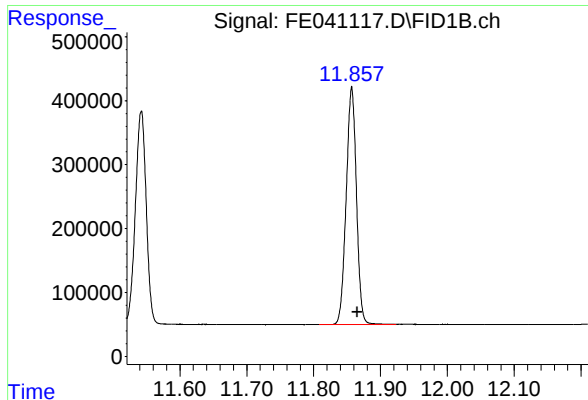
#7 n-Hexadecane (C16)

R.T.: 10.099 min
Delta R.T.: -0.008 min
Response: 3757752
Conc: 21.13 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.542 min
Delta R.T.: -0.007 min
Response: 3788095
Conc: 21.22 ug/ml



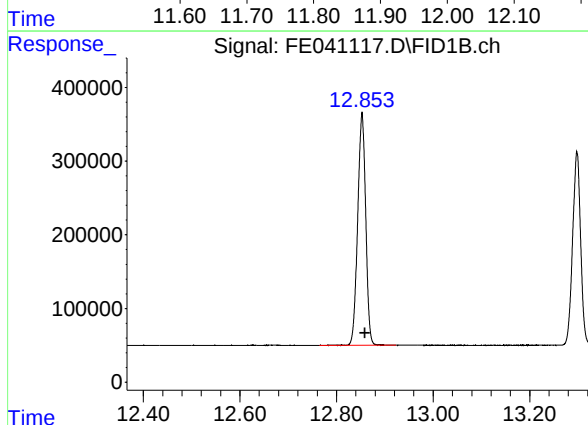
#9 ortho-Terphenyl (SURR)

R.T.: 11.857 min
Delta R.T.: -0.008 min
Response: 3958087
Conc: 21.06 ug/ml

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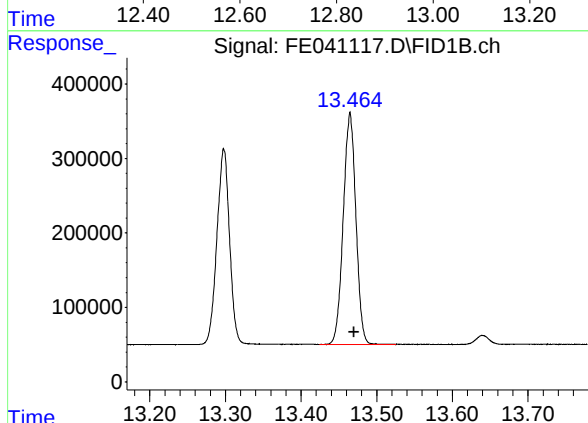
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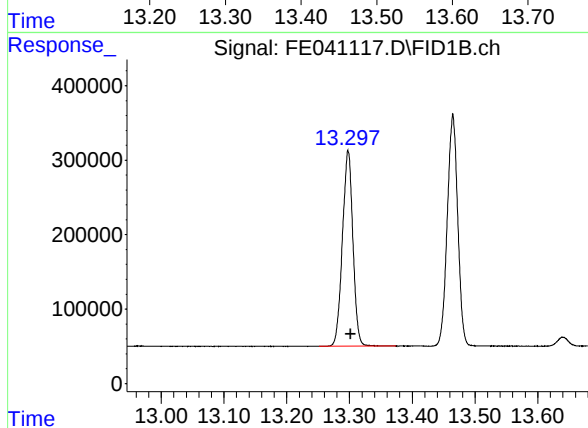
#10 n-Eicosane (C20)

R.T.: 12.853 min
Delta R.T.: -0.006 min
Response: 3645642
Conc: 21.37 ug/ml



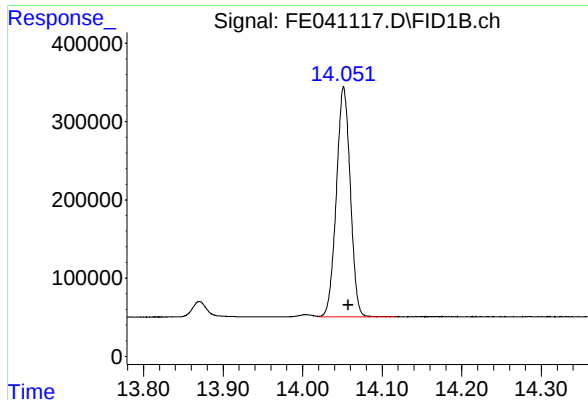
#11 n-Heneicosane (C21)

R.T.: 13.465 min
Delta R.T.: -0.005 min
Response: 3611236
Conc: 21.34 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.298 min
Delta R.T.: -0.004 min
Response: 3047969
Conc: 21.18 ug/ml



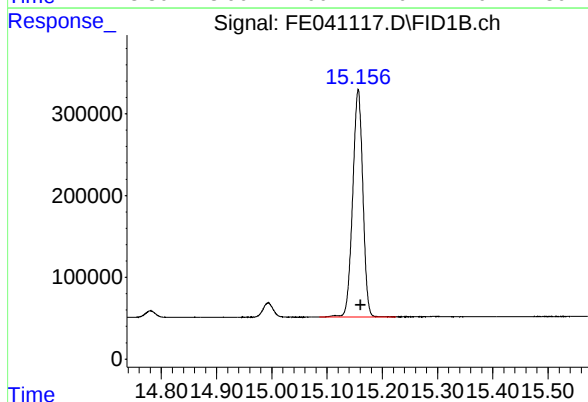
#13 n-Docosane (C22)

R.T.: 14.052 min
Delta R.T.: -0.006 min
Response: 3568553
Conc: 21.56 ug/ml

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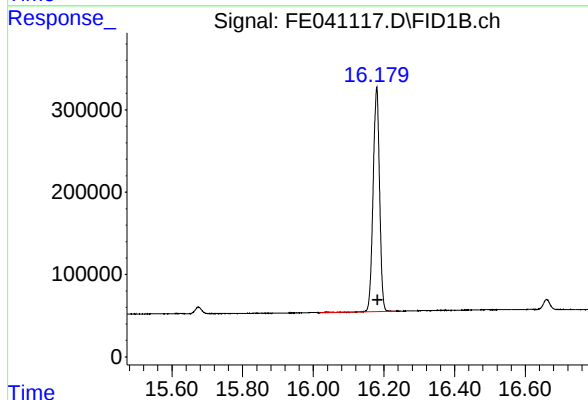
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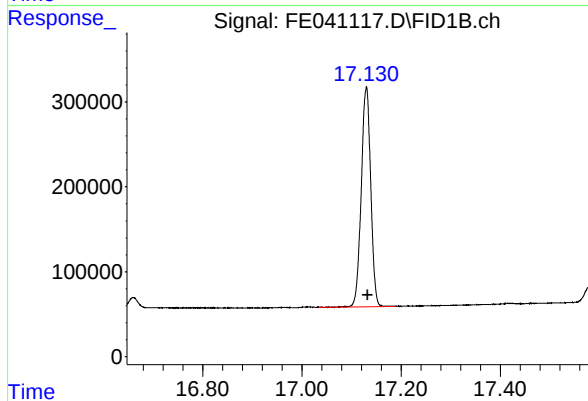
#14 n-Tetracosane (C24)

R.T.: 15.156 min
Delta R.T.: -0.004 min
Response: 3551036
Conc: 21.95 ug/ml



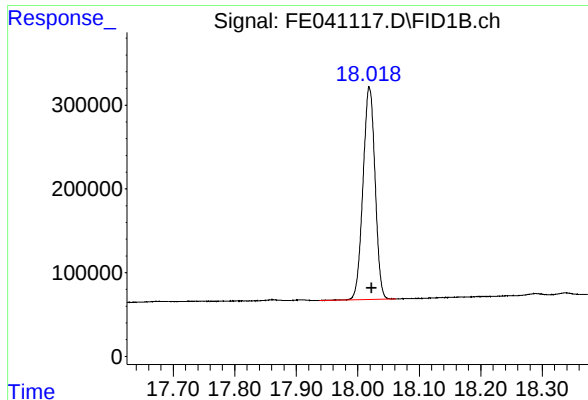
#15 n-Hexacosane (C26)

R.T.: 16.180 min
Delta R.T.: -0.002 min
Response: 3443649
Conc: 22.21 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.130 min
Delta R.T.: -0.003 min
Response: 3431643
Conc: 22.40 ug/ml



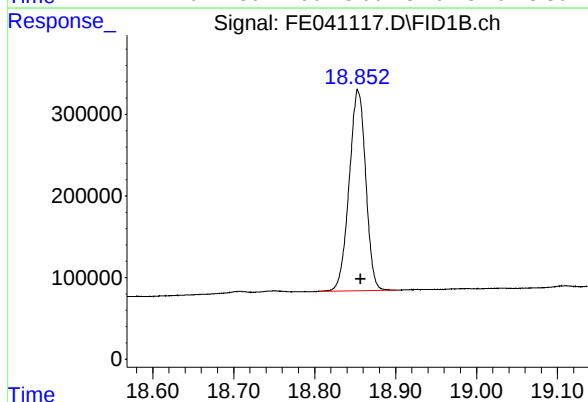
#17 n-Tricontane (C30)

R.T.: 18.019 min
Delta R.T.: -0.003 min
Response: 3459548
Conc: 22.63 ug/ml

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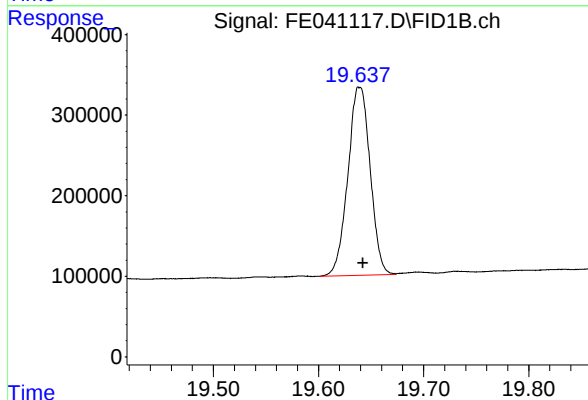
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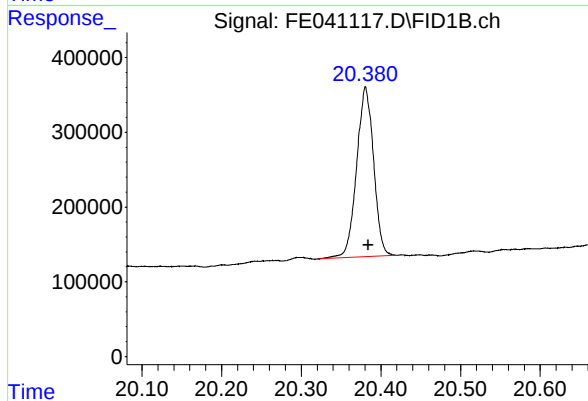
#18 n-Dotriacontane (C32)

R.T.: 18.854 min
Delta R.T.: -0.003 min
Response: 3503866
Conc: 22.44 ug/ml



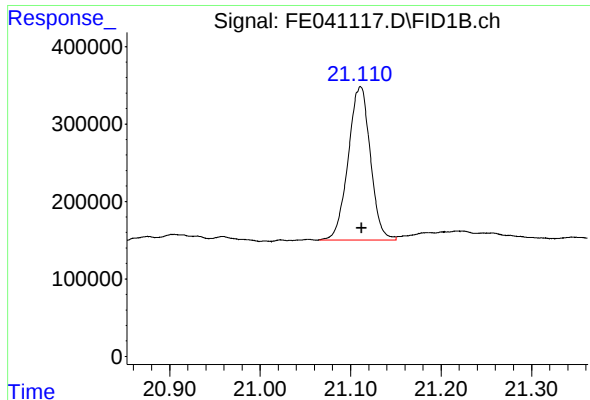
#19 n-Tetratriacontane (C34)

R.T.: 19.639 min
Delta R.T.: -0.003 min
Response: 3437196
Conc: 22.18 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.380 min
Delta R.T.: -0.004 min
Response: 3349558
Conc: 22.05 ug/ml m



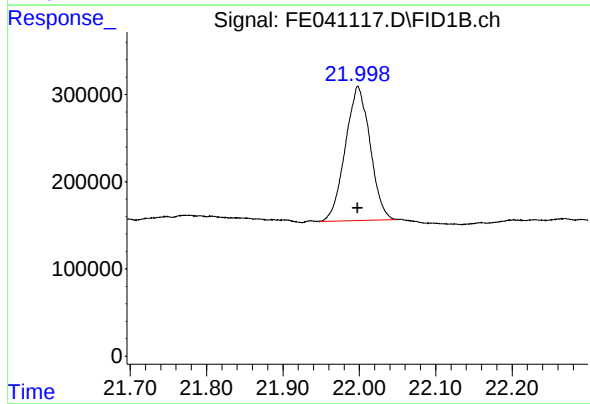
#21 n-Octatriacontane (C38)

R.T.: 21.111 min
Delta R.T.: -0.001 min
Response: 3367890
Conc: 21.56 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.998 min
Delta R.T.: 0.000 min
Response: 3460362
Conc: 21.68 ug/ml m