

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F110823AL\
 Data File : FC065064.D
 Signal(s) : FID1A.ch
 Acq On : 08 Nov 2023 13:26
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/09/2023
 Supervised By :Ankita Jodhani 11/09/2023

Integration File: autoint1.e
 Quant Time: Nov 08 23:08:00 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102823.M
 Quant Title : GC Extractables
 QLast Update : Sat Oct 28 02:12:00 2023
 Response via : Initial Calibration
 Integrator: ChemStation

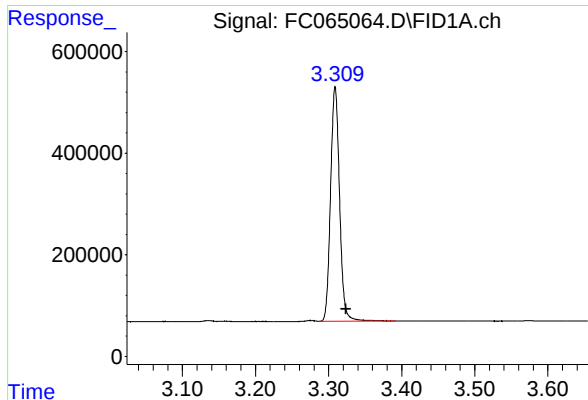
Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.510	4406728	20.023 ug/ml
Spiked Amount 50.000		Recovery =	40.05%
12) S 1-chlorooctadecane (S...	12.942	3182172	20.130 ug/ml
Spiked Amount 50.000		Recovery =	40.26%
Target Compounds			
1) T n-Nonane (C9)	3.309	3959365	20.942 ug/ml
2) T n-Decane (C10)	4.369	4005718	21.067 ug/ml
3) T A~Naphthalene (C11.7)	5.949	4085691	21.161 ug/ml
4) T n-Dodecane (C12)	6.379	4038993	20.909 ug/ml
5) T A~2-methylnaphthalene...	7.003	3865528	21.035 ug/ml
6) T n-Tetradecane (C14)	8.167	3933555	20.847 ug/ml
7) T n-Hexadecane (C16)	9.761	3900216	20.633 ug/ml
8) T n-Octadecane (C18)	11.196	3836598	20.329 ug/ml
10) T n-Eicosane (C20)	12.500	3607132	20.064 ug/ml
11) T n-Heneicosane (C21)	13.108	3513872	20.014 ug/ml
13) T n-Docosane (C22)	13.694	3437636	20.013 ug/ml
14) T n-Tetracosane (C24)	14.790	3329127	19.988 ug/ml
15) T n-Hexacosane (C26)	15.807	3209044	19.993 ug/ml
16) T n-Octacosane (C28)	16.753	3167896	20.242 ug/ml
17) T n-Tricontane (C30)	17.636	3259964	20.582 ug/ml
18) T n-Dotriacontane (C32)	18.466	3266295	20.687 ug/ml
19) T n-Tetratriacontane (C34)	19.245	3143828	20.596 ug/ml
20) T n-Hexatriacontane (C36)	19.981	3064354	20.310 ug/mlm
21) T n-Octatriacontane (C38)	20.701	3055293	20.531 ug/ml
22) T n-Tetracontane (C40)	21.581	2969965	20.193 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.



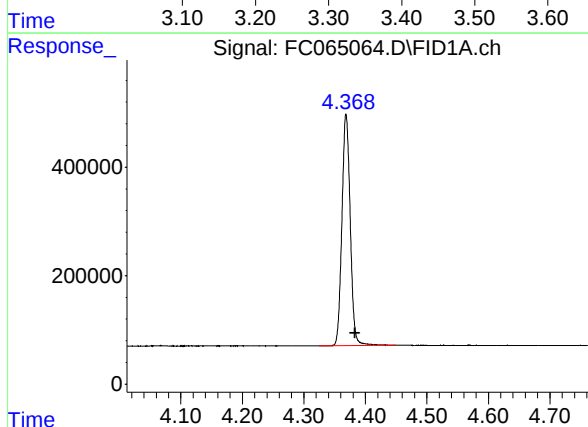
#1 n-Nonane (C9)

R.T.: 3.309 min
Delta R.T.: -0.015 min
Response: 3959365
Conc: 20.94 ug/ml

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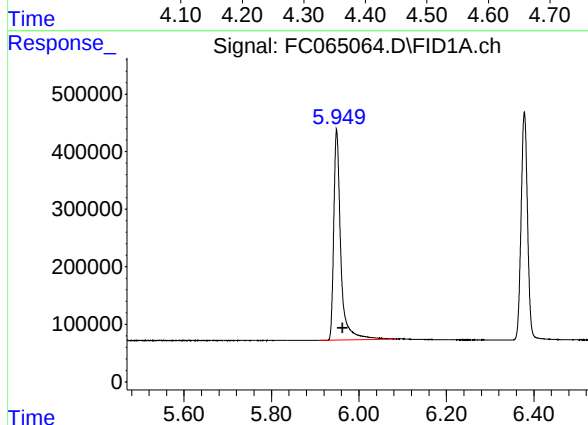
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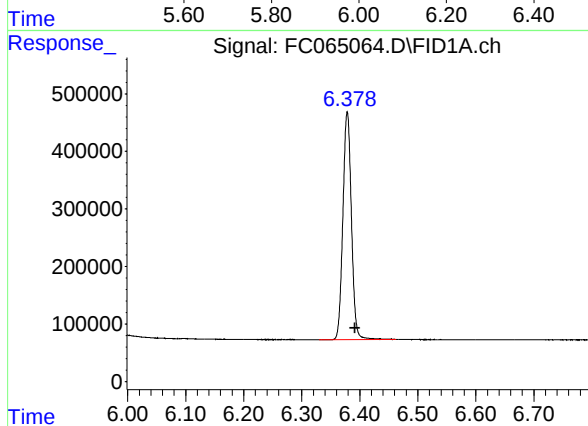
#2 n-Decane (C10)

R.T.: 4.369 min
Delta R.T.: -0.015 min
Response: 4005718
Conc: 21.07 ug/ml



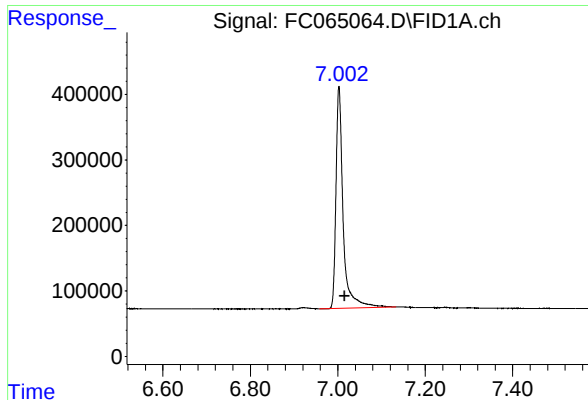
#3 A~Naphthalene (C11.7)

R.T.: 5.949 min
Delta R.T.: -0.014 min
Response: 4085691
Conc: 21.16 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.379 min
Delta R.T.: -0.013 min
Response: 4038993
Conc: 20.91 ug/ml



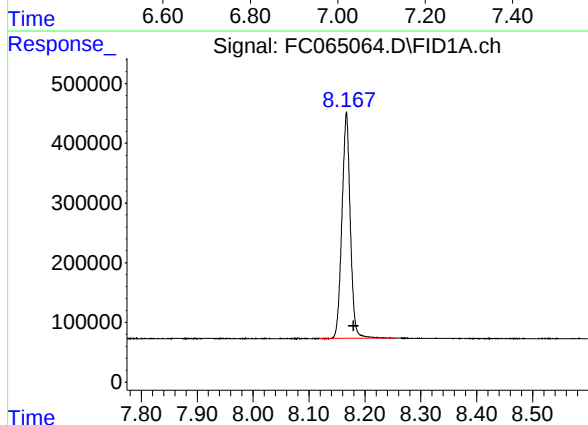
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.003 min
Delta R.T.: -0.013 min
Response: 3865528
Conc: 21.04 ug/ml

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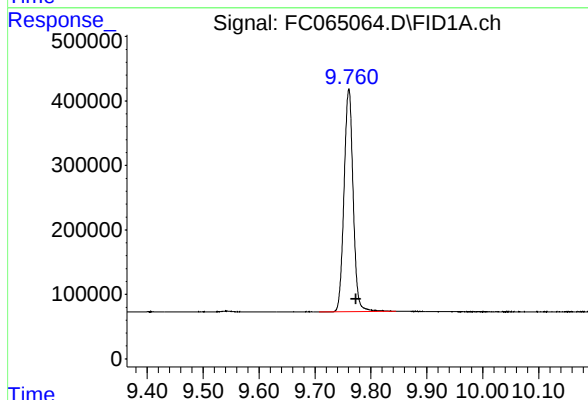
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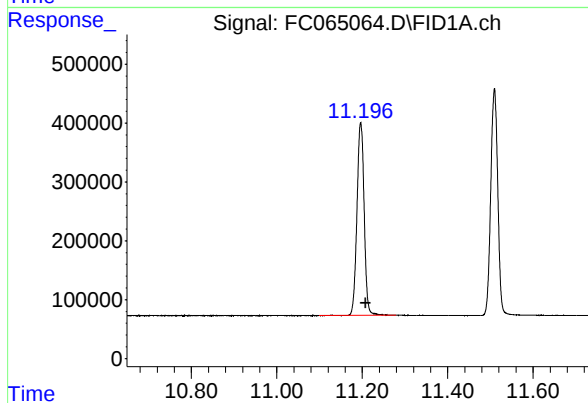
#6 n-Tetradecane (C14)

R.T.: 8.167 min
Delta R.T.: -0.013 min
Response: 3933555
Conc: 20.85 ug/ml



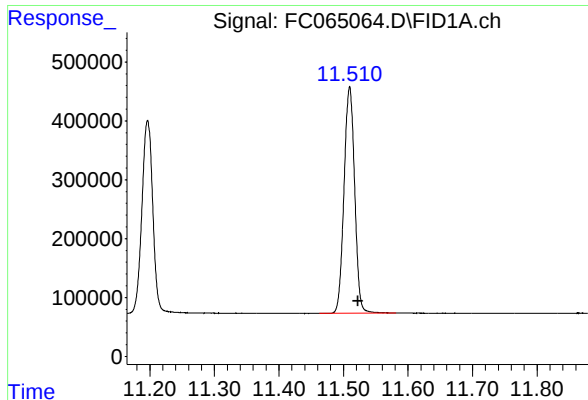
#7 n-Hexadecane (C16)

R.T.: 9.761 min
Delta R.T.: -0.012 min
Response: 3900216
Conc: 20.63 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.196 min
Delta R.T.: -0.012 min
Response: 3836598
Conc: 20.33 ug/ml



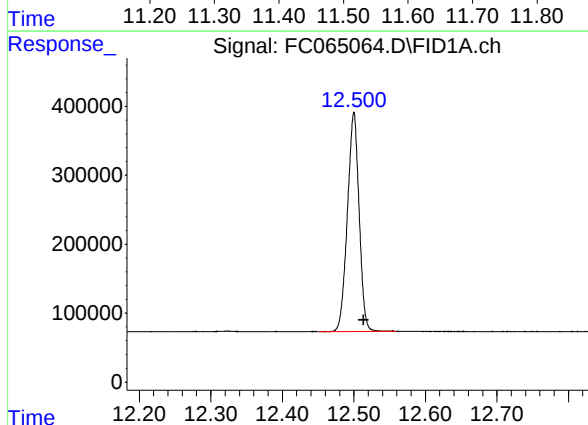
#9 ortho-Terphenyl (SURR)

R.T.: 11.510 min
Delta R.T.: -0.013 min
Response: 4406728
Conc: 20.02 ug/ml

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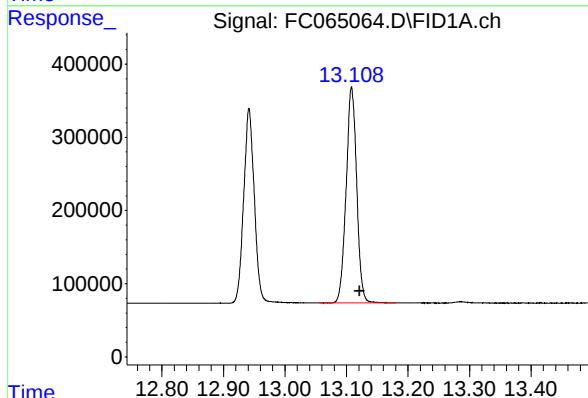
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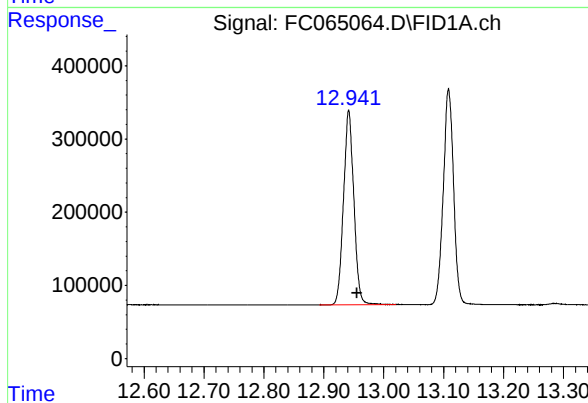
#10 n-Eicosane (C20)

R.T.: 12.500 min
Delta R.T.: -0.013 min
Response: 3607132
Conc: 20.06 ug/ml



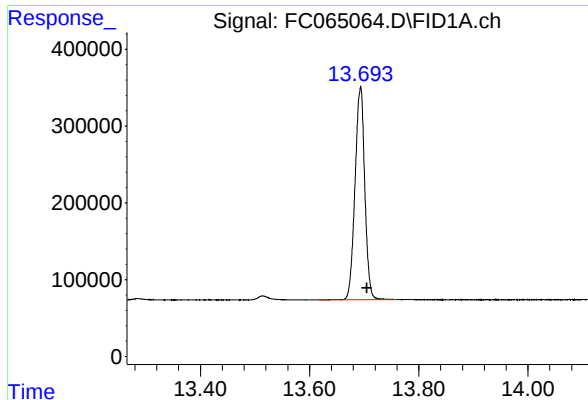
#11 n-Heneicosane (C21)

R.T.: 13.108 min
Delta R.T.: -0.013 min
Response: 3513872
Conc: 20.01 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.942 min
Delta R.T.: -0.013 min
Response: 3182172
Conc: 20.13 ug/ml



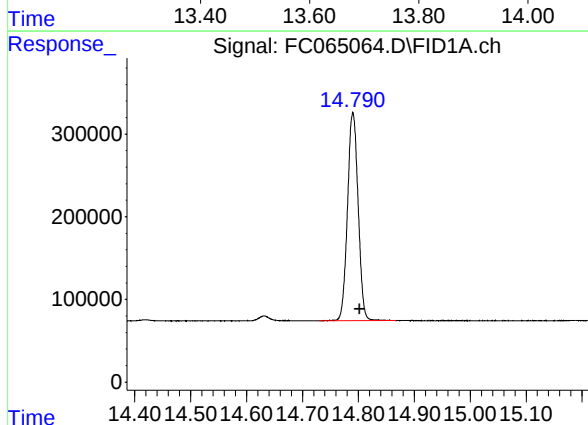
#13 n-Docosane (C22)

R.T.: 13.694 min
Delta R.T.: -0.012 min
Response: 3437636
Conc: 20.01 ug/ml

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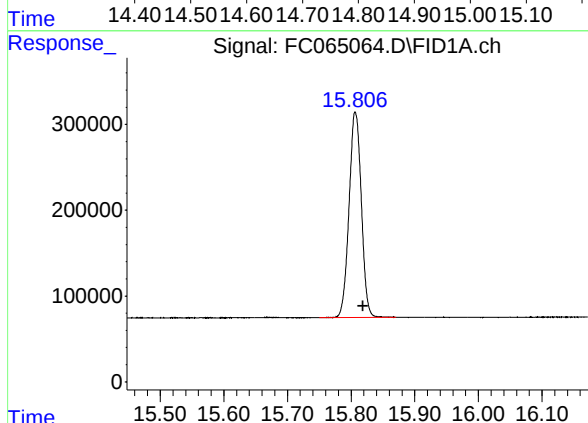
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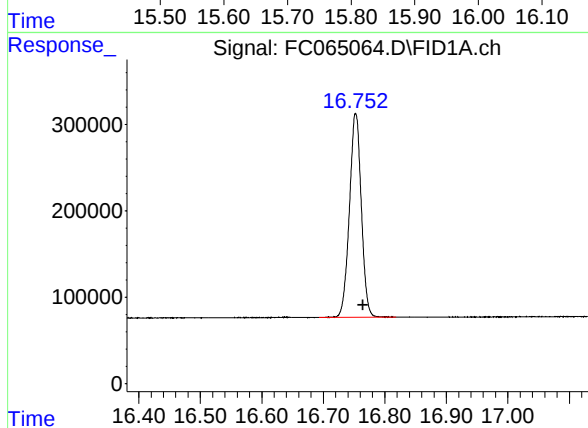
#14 n-Tetracosane (C24)

R.T.: 14.790 min
Delta R.T.: -0.012 min
Response: 3329127
Conc: 19.99 ug/ml



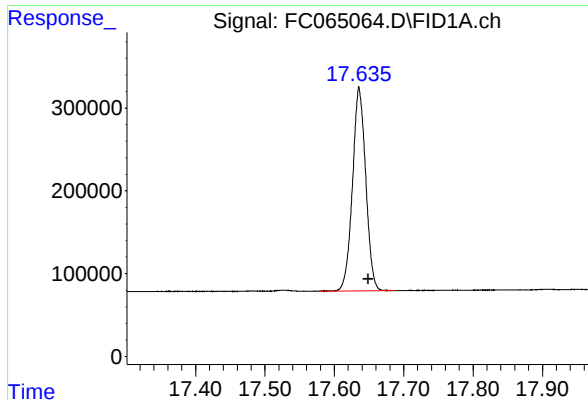
#15 n-Hexacosane (C26)

R.T.: 15.807 min
Delta R.T.: -0.012 min
Response: 3209044
Conc: 19.99 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.753 min
Delta R.T.: -0.012 min
Response: 3167896
Conc: 20.24 ug/ml



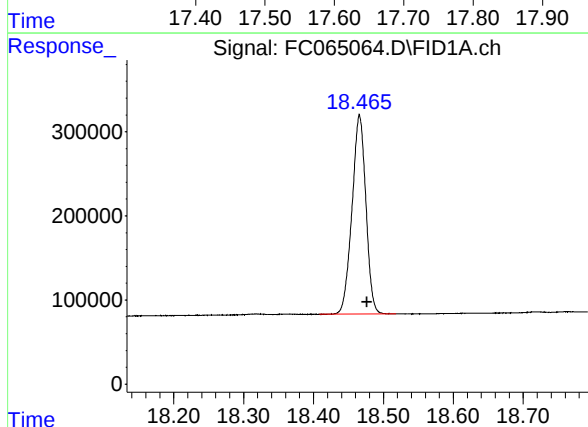
#17 n-Tricontane (C30)

R.T.: 17.636 min
Delta R.T.: -0.014 min
Response: 3259964
Conc: 20.58 ug/ml

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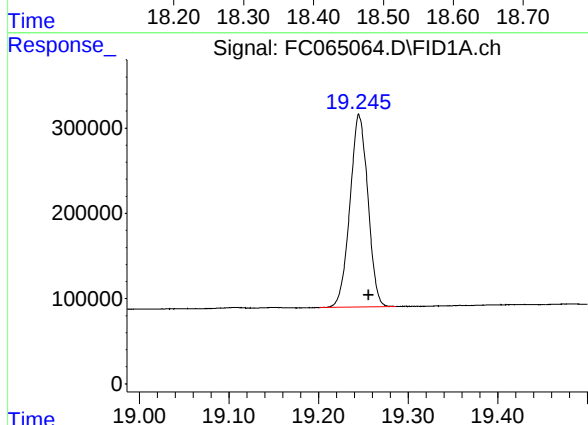
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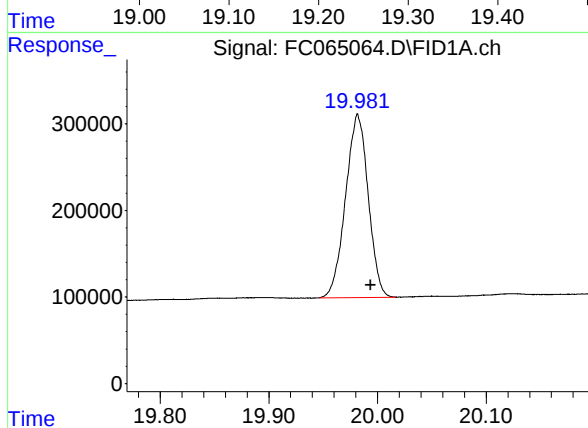
#18 n-Dotriacontane (C32)

R.T.: 18.466 min
Delta R.T.: -0.011 min
Response: 3266295
Conc: 20.69 ug/ml



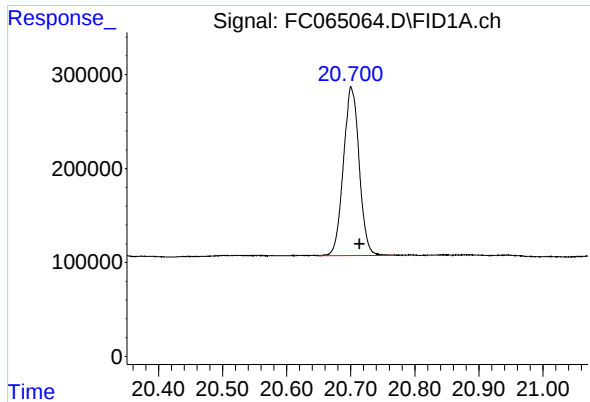
#19 n-Tetratriacontane (C34)

R.T.: 19.245 min
Delta R.T.: -0.011 min
Response: 3143828
Conc: 20.60 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.981 min
Delta R.T.: -0.012 min
Response: 3064354
Conc: 20.31 ug/ml m



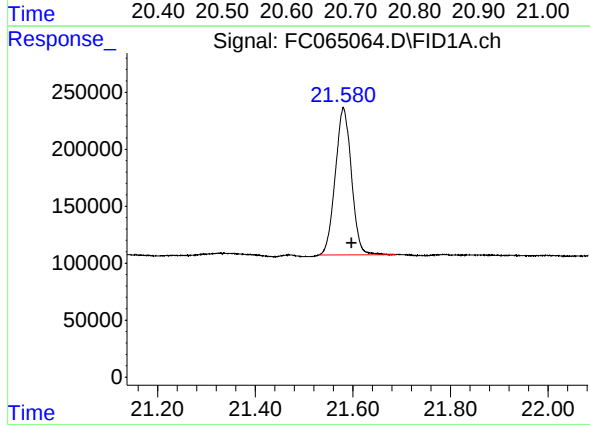
#21 n-Octatriacontane (C38)

R.T.: 20.701 min
Delta R.T.: -0.014 min
Response: 3055293
Conc: 20.53 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.581 min
Delta R.T.: -0.017 min
Response: 2969965
Conc: 20.19 ug/ml