

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091424AL\
 Data File : FE050106.D
 Signal(s) : FID1B.ch
 Acq On : 14 Sep 2024 01:38
 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 09/16/2024
 Supervised By :Ankita Jodhani 09/16/2024

Integration File: autoint1.e
 Quant Time: Sep 14 02:13:52 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

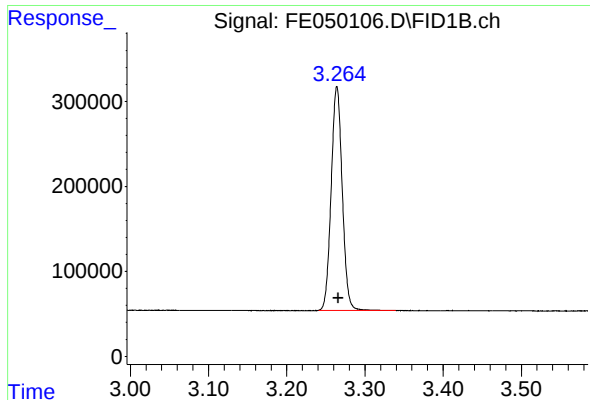
Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.875	2870554	19.294 ug/ml
Spiked Amount 50.000		Recovery =	38.59%
12) S 1-chlorooctadecane (S...	13.310	2185444	19.456 ug/ml
Spiked Amount 50.000		Recovery =	38.91%
Target Compounds			
1) T n-Nonane (C9)	3.264	2585183	19.072 ug/ml
2) T n-Decane (C10)	4.515	2662633	19.293 ug/ml
3) T A~Naphthalene (C11.7)	6.224	2727654	19.488 ug/ml
4) T n-Dodecane (C12)	6.682	2676470	19.355 ug/ml
5) T A~2-methylnaphthalene...	7.320	2583953	19.659 ug/ml
6) T n-Tetradecane (C14)	8.509	2656666	19.510 ug/ml
7) T n-Hexadecane (C16)	10.115	2716195	19.555 ug/ml
8) T n-Octadecane (C18)	11.557	2722058	19.429 ug/ml
10) T n-Eicosane (C20)	12.865	2595378	19.348 ug/ml
11) T n-Heneicosane (C21)	13.476	2545227	19.370 ug/ml
13) T n-Docosane (C22)	14.061	2525565	19.395 ug/ml
14) T n-Tetracosane (C24)	15.163	2537322	19.430 ug/ml
15) T n-Hexacosane (C26)	16.182	2489783	19.461 ug/ml
16) T n-Octacosane (C28)	17.131	2531510	19.653 ug/ml
17) T n-Tricontane (C30)	18.017	2711753	20.279 ug/ml
18) T n-Dotriacontane (C32)	18.849	2690448	20.190 ug/ml
19) T n-Tetratriacontane (C34)	19.632	2545460	20.601 ug/ml
20) T n-Hexatriacontane (C36)	20.371	2503579	22.565 ug/mlm
21) T n-Octatriacontane (C38)	21.099	2132528	19.337 ug/ml
22) T n-Tetracontane (C40)	21.990	1860660	17.099 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.



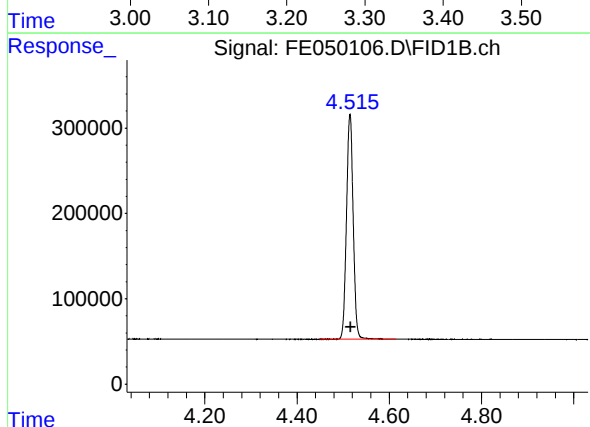
#1 n-Nonane (C9)

R.T.: 3.264 min
Delta R.T.: -0.002 min
Response: 2585183
Conc: 19.07 ug/ml

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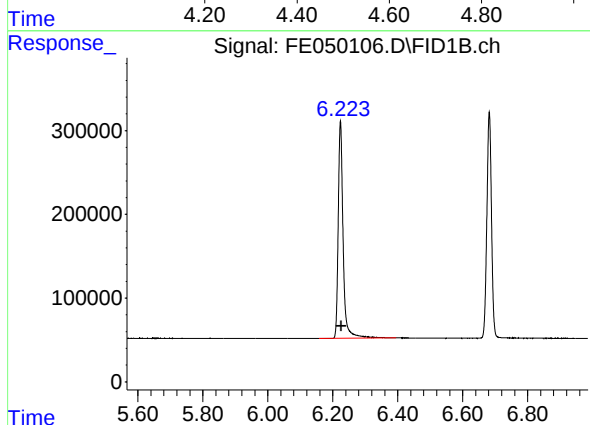
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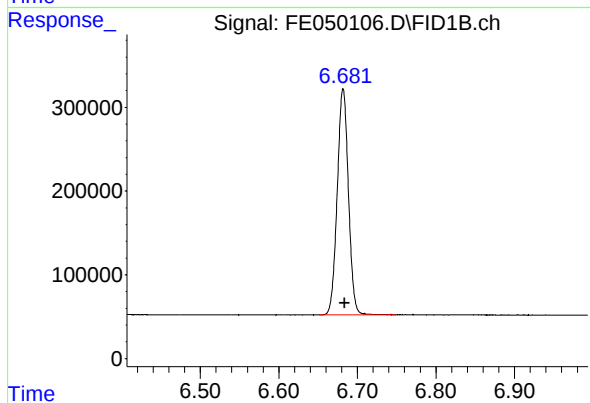
#2 n-Decane (C10)

R.T.: 4.515 min
Delta R.T.: -0.002 min
Response: 2662633
Conc: 19.29 ug/ml



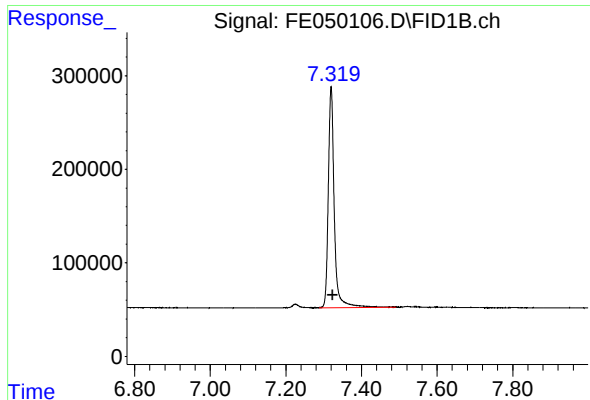
#3 A~Naphthalene (C11.7)

R.T.: 6.224 min
Delta R.T.: -0.003 min
Response: 2727654
Conc: 19.49 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.682 min
Delta R.T.: -0.002 min
Response: 2676470
Conc: 19.35 ug/ml



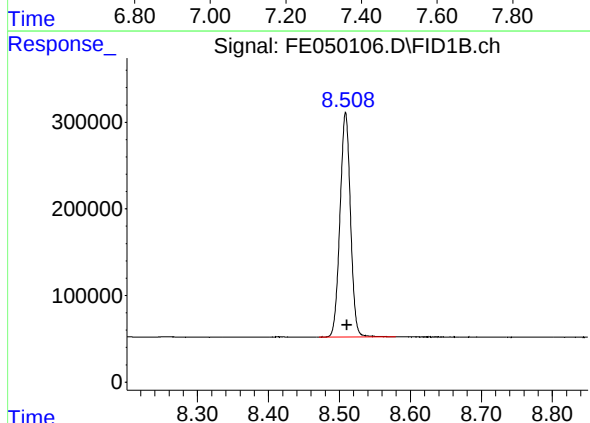
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.320 min
Delta R.T.: -0.003 min
Response: 2583953
Conc: 19.66 ug/ml

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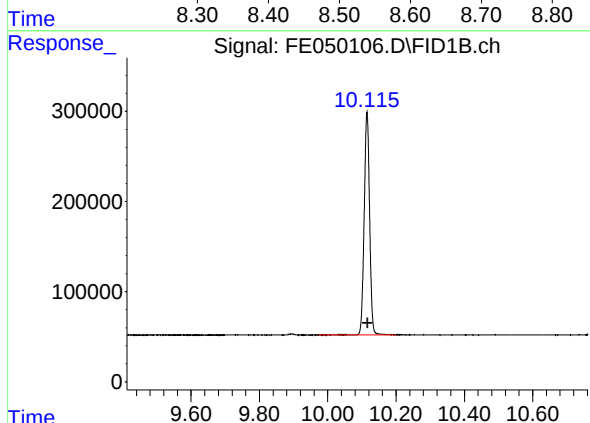
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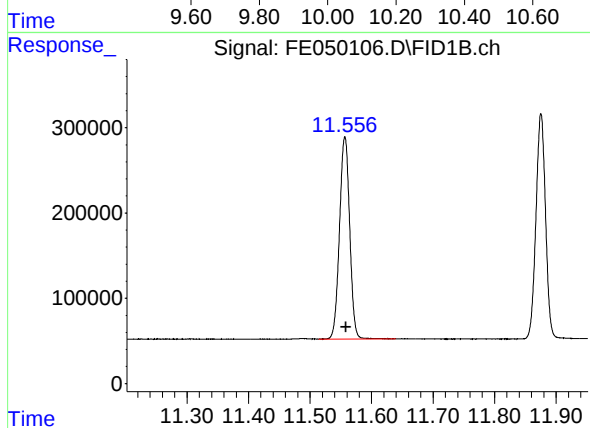
#6 n-Tetradecane (C14)

R.T.: 8.509 min
Delta R.T.: -0.002 min
Response: 2656666
Conc: 19.51 ug/ml



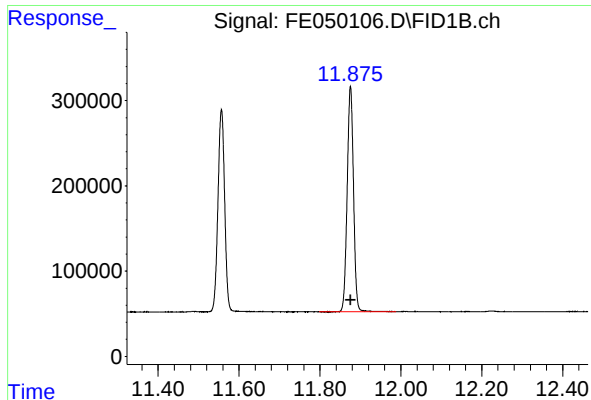
#7 n-Hexadecane (C16)

R.T.: 10.115 min
Delta R.T.: -0.002 min
Response: 2716195
Conc: 19.55 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.557 min
Delta R.T.: -0.002 min
Response: 2722058
Conc: 19.43 ug/ml



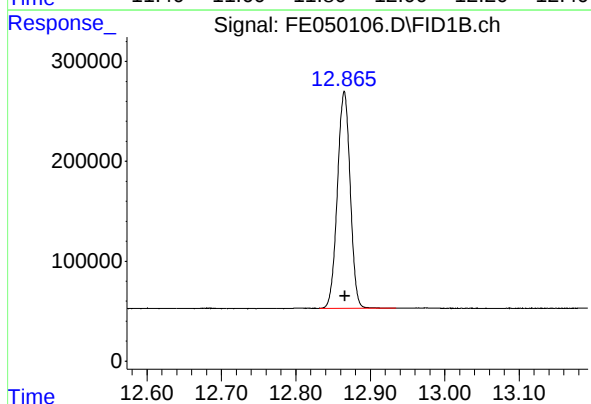
#9 ortho-Terphenyl (SURR)

R.T.: 11.875 min
Delta R.T.: 0.000 min
Response: 2870554
Conc: 19.29 ug/ml

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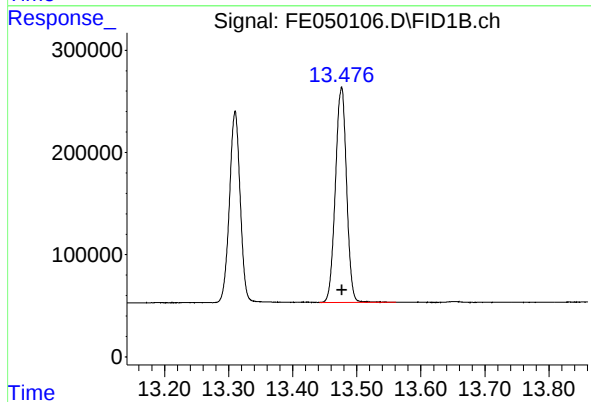
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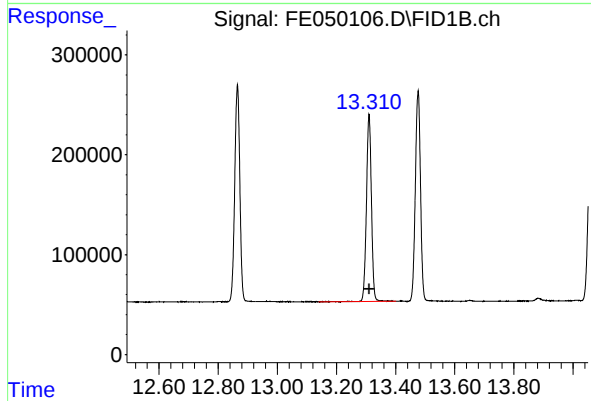
#10 n-Eicosane (C20)

R.T.: 12.865 min
Delta R.T.: -0.001 min
Response: 2595378
Conc: 19.35 ug/ml



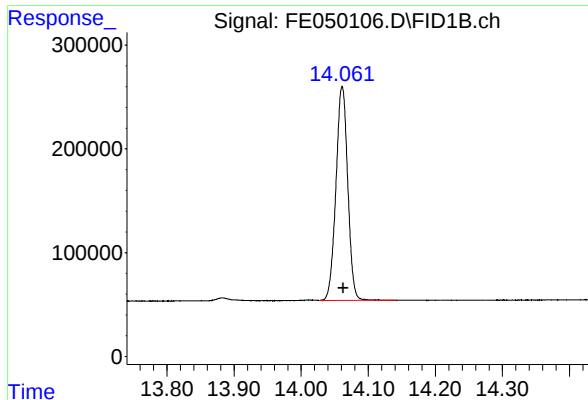
#11 n-Heneicosane (C21)

R.T.: 13.476 min
Delta R.T.: -0.001 min
Response: 2545227
Conc: 19.37 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.310 min
Delta R.T.: -0.001 min
Response: 2185444
Conc: 19.46 ug/ml



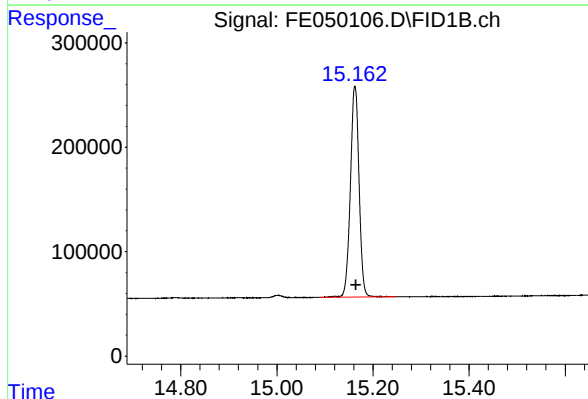
#13 n-Docosane (C22)

R.T.: 14.061 min
Delta R.T.: -0.002 min
Response: 2525565
Conc: 19.40 ug/ml

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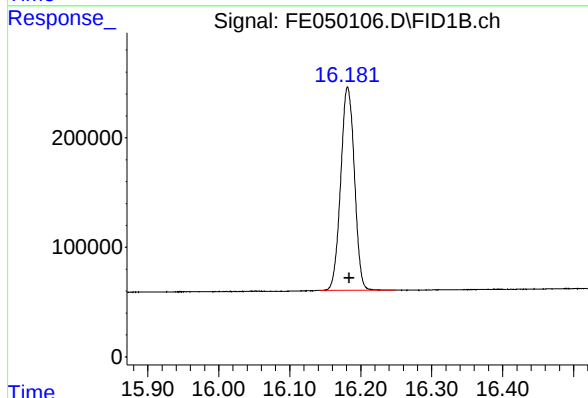
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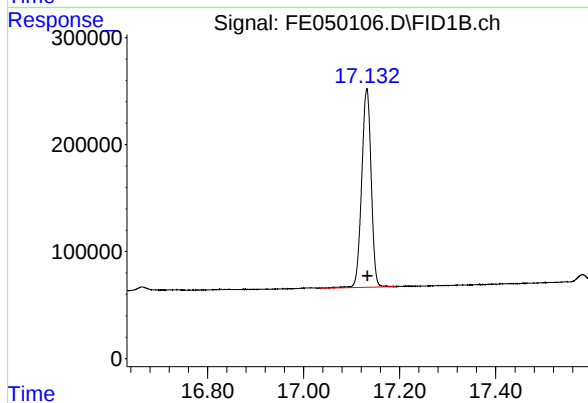
#14 n-Tetracosane (C24)

R.T.: 15.163 min
Delta R.T.: -0.002 min
Response: 2537322
Conc: 19.43 ug/ml



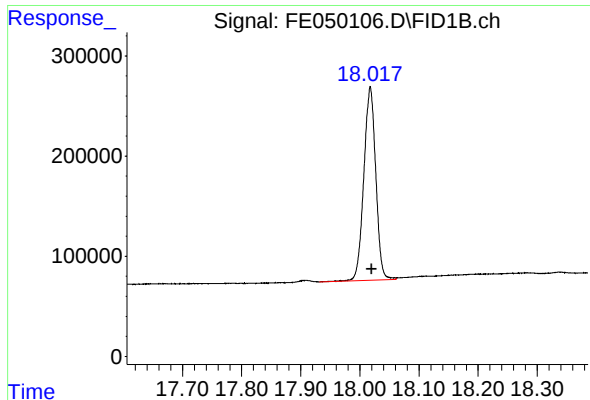
#15 n-Hexacosane (C26)

R.T.: 16.182 min
Delta R.T.: -0.002 min
Response: 2489783
Conc: 19.46 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.131 min
Delta R.T.: -0.002 min
Response: 2531510
Conc: 19.65 ug/ml



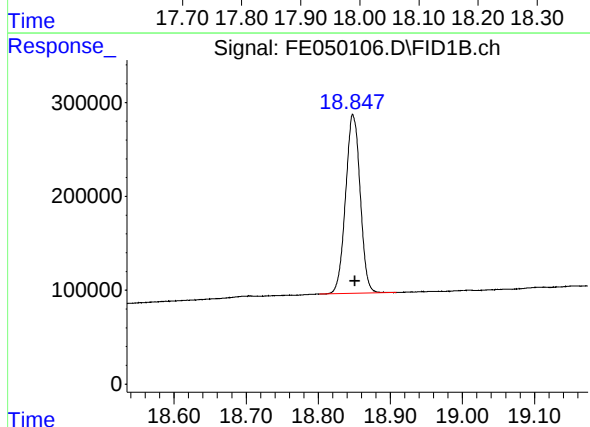
#17 n-Tricontane (C30)

R.T.: 18.017 min
Delta R.T.: -0.002 min
Response: 2711753
Conc: 20.28 ug/ml

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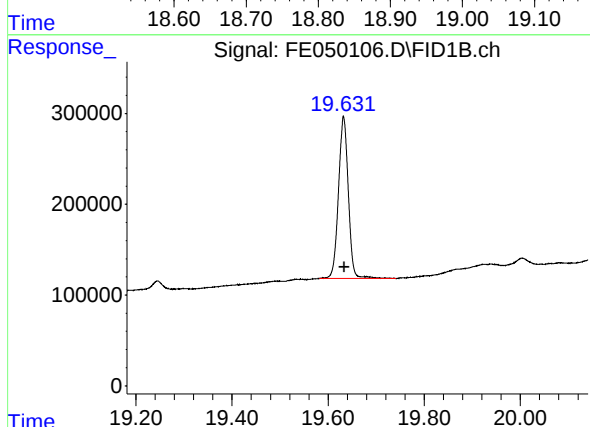
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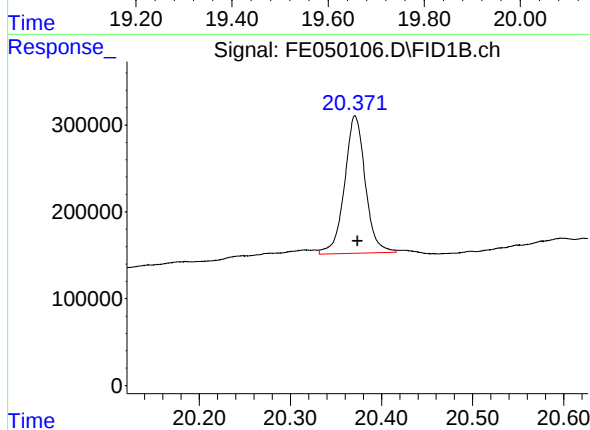
#18 n-Dotriacontane (C32)

R.T.: 18.849 min
Delta R.T.: -0.003 min
Response: 2690448
Conc: 20.19 ug/ml



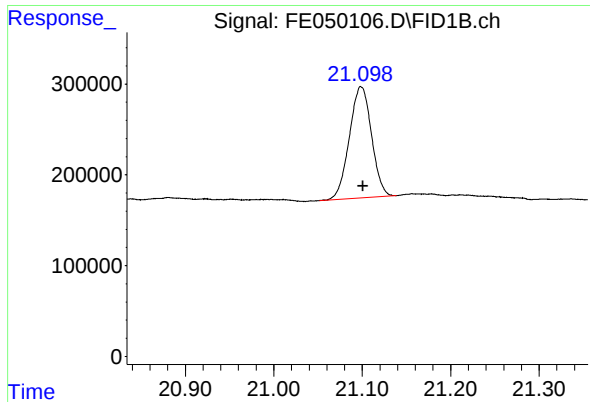
#19 n-Tetratriacontane (C34)

R.T.: 19.632 min
Delta R.T.: -0.001 min
Response: 2545460
Conc: 20.60 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.371 min
Delta R.T.: -0.003 min
Response: 2503579
Conc: 22.56 ug/ml m



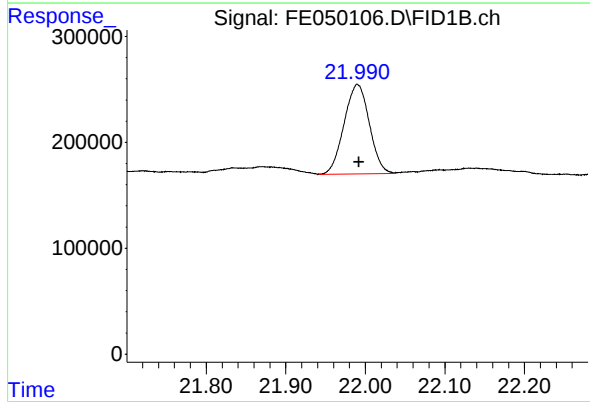
#21 n-Octatriacontane (C38)

R.T.: 21.099 min
Delta R.T.: -0.002 min
Response: 2132528
Conc: 19.34 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.990 min
Delta R.T.: -0.002 min
Response: 1860660
Conc: 17.10 ug/ml m