

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111723AL\
 Data File : FE045442.D
 Signal(s) : FID1B.ch
 Acq On : 18 Nov 2023 01:21
 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 11/20/2023
 Supervised By :Ankita Jodhani 11/20/2023

Integration File: autoint1.e
 Quant Time: Nov 18 02:24:54 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110423.M
 Quant Title : GC Extractables
 QLast Update : Sat Nov 04 05:16:05 2023
 Response via : Initial Calibration
 Integrator: ChemStation

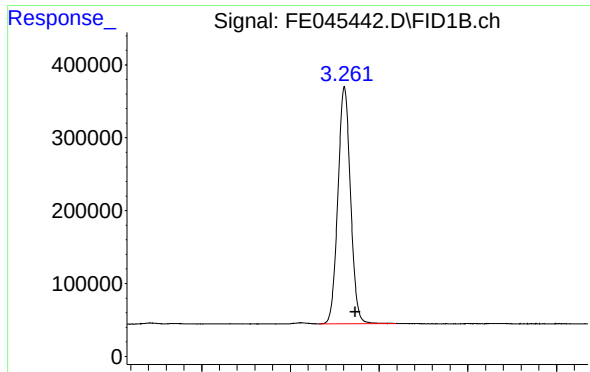
Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.874	3674268	19.244 ug/ml
Spiked Amount 50.000		Recovery =	38.49%
12) S 1-chlorooctadecane (S...	13.316	2667165	19.364 ug/ml
Spiked Amount 50.000		Recovery =	38.73%
Target Compounds			
1) T n-Nonane (C9)	3.261	3205239	19.402 ug/ml
2) T n-Decane (C10)	4.512	3275249	19.533 ug/ml
3) T A~Naphthalene (C11.7)	6.211	3458629	19.376 ug/ml
4) T n-Dodecane (C12)	6.677	3286838	19.462 ug/ml
5) T A~2-methylnaphthalene...	7.307	3312812	19.292 ug/ml
6) T n-Tetradecane (C14)	8.505	3235398	19.412 ug/ml
7) T n-Hexadecane (C16)	10.114	3269919	19.440 ug/ml
8) T n-Octadecane (C18)	11.561	3238905	19.352 ug/ml
10) T n-Eicosane (C20)	12.872	3082741	19.461 ug/ml
11) T n-Heneicosane (C21)	13.485	2974784	19.347 ug/ml
13) T n-Docosane (C22)	14.072	2985702	19.706 ug/ml
14) T n-Tetracosane (C24)	15.176	3018772	20.382 ug/ml
15) T n-Hexacosane (C26)	16.200	3060918	21.000 ug/ml
16) T n-Octacosane (C28)	17.151	3199999	21.898 ug/ml
17) T n-Tricontane (C30)	18.042	3446802	22.692 ug/ml
18) T n-Dotriacontane (C32)	18.876	3571429	22.861 ug/ml
19) T n-Tetratriacontane (C34)	19.661	3427315	21.951 ug/ml
20) T n-Hexatriacontane (C36)	20.404	3411760	21.019 ug/ml
21) T n-Octatriacontane (C38)	21.141	3637446	21.893 ug/ml
22) T n-Tetracontane (C40)	22.046	3087024	18.073 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.



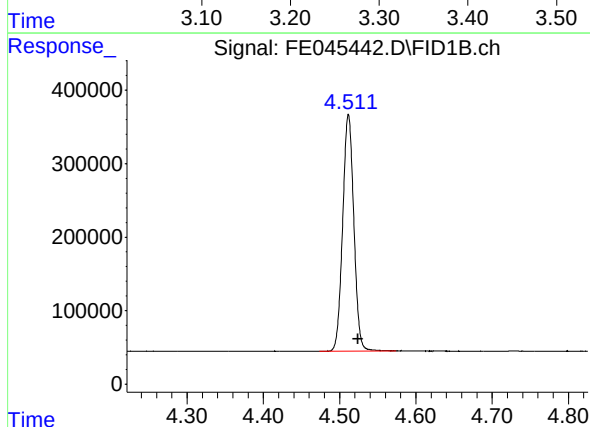
#1 n-Nonane (C9)

R.T.: 3.261 min
Delta R.T.: -0.012 min
Response: 3205239
Conc: 19.40 ug/ml

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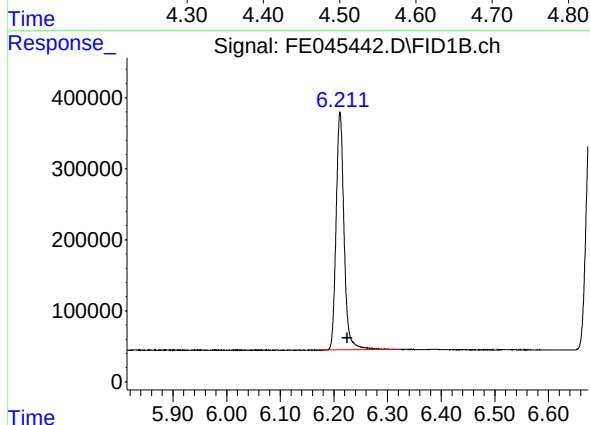
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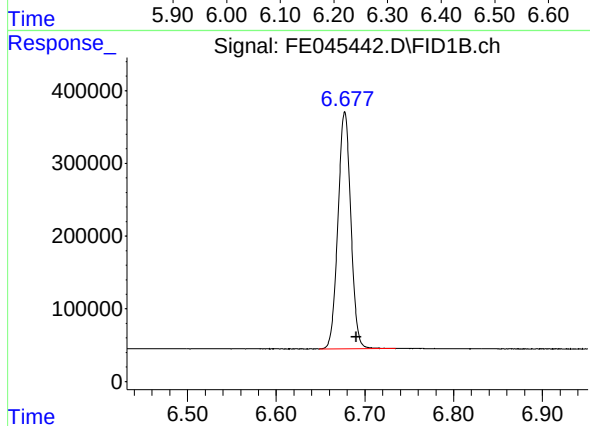
#2 n-Decane (C10)

R.T.: 4.512 min
Delta R.T.: -0.013 min
Response: 3275249
Conc: 19.53 ug/ml



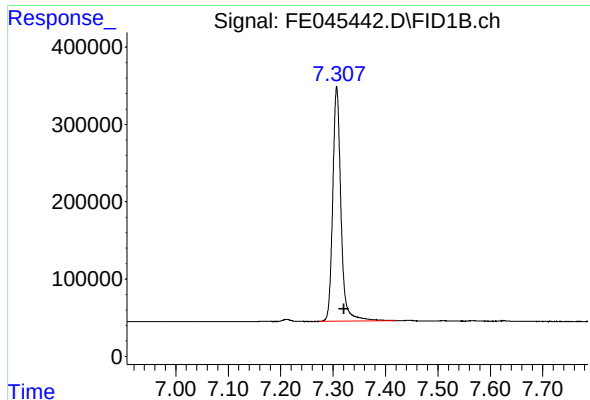
#3 A~Naphthalene (C11.7)

R.T.: 6.211 min
Delta R.T.: -0.013 min
Response: 3458629
Conc: 19.38 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.677 min
Delta R.T.: -0.013 min
Response: 3286838
Conc: 19.46 ug/ml



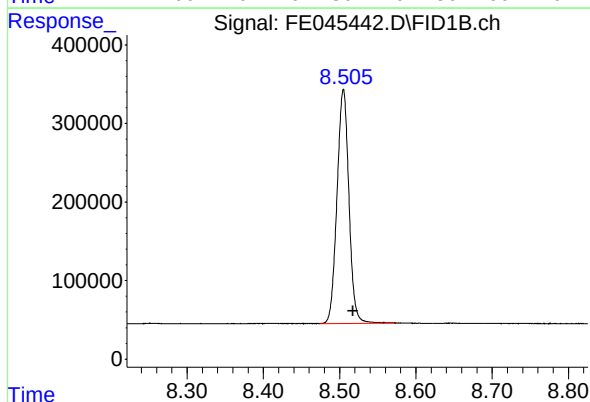
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.307 min
Delta R.T.: -0.014 min
Response: 3312812
Conc: 19.29 ug/ml

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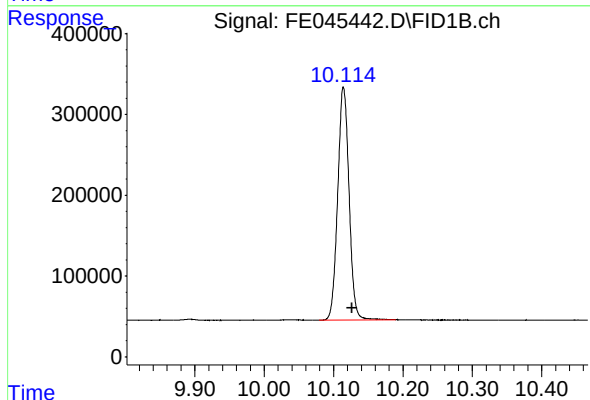
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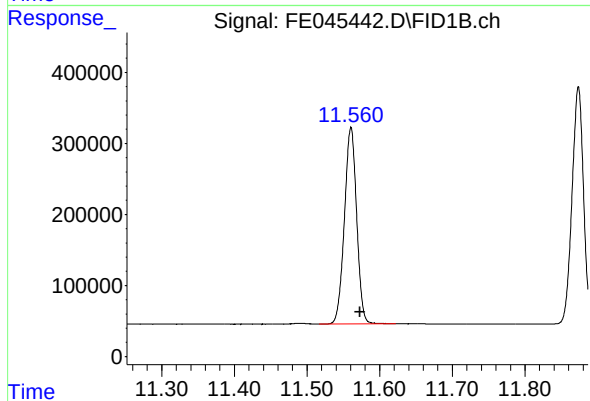
#6 n-Tetradecane (C14)

R.T.: 8.505 min
Delta R.T.: -0.012 min
Response: 3235398
Conc: 19.41 ug/ml



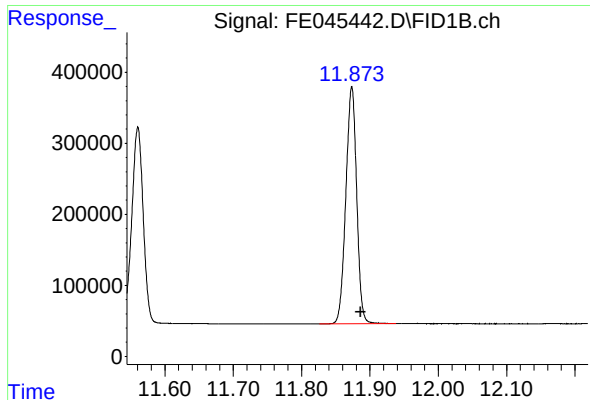
#7 n-Hexadecane (C16)

R.T.: 10.114 min
Delta R.T.: -0.013 min
Response: 3269919
Conc: 19.44 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.561 min
Delta R.T.: -0.012 min
Response: 3238905
Conc: 19.35 ug/ml



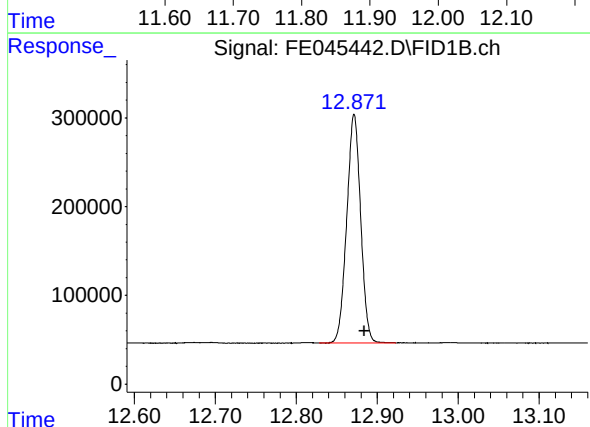
#9 ortho-Terphenyl (SURR)

R.T.: 11.874 min
Delta R.T.: -0.013 min
Response: 3674268
Conc: 19.24 ug/ml

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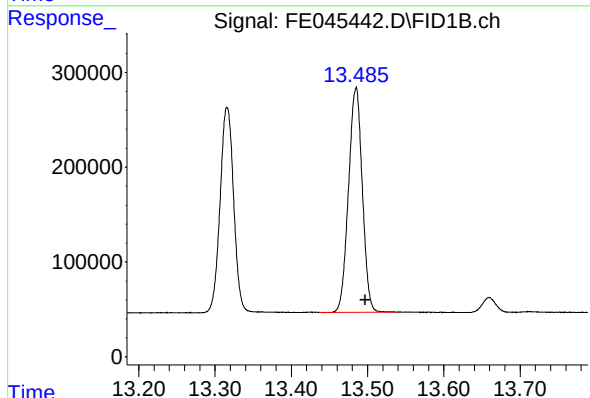
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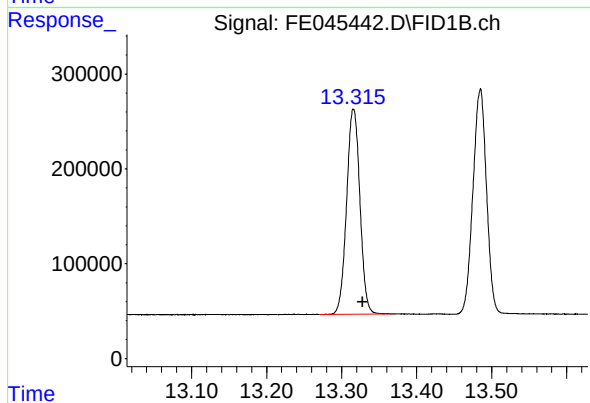
#10 n-Eicosane (C20)

R.T.: 12.872 min
Delta R.T.: -0.012 min
Response: 3082741
Conc: 19.46 ug/ml



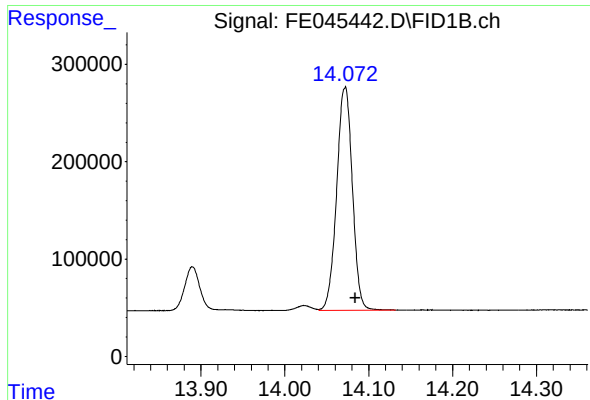
#11 n-Heneicosane (C21)

R.T.: 13.485 min
Delta R.T.: -0.012 min
Response: 2974784
Conc: 19.35 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.316 min
Delta R.T.: -0.012 min
Response: 2667165
Conc: 19.36 ug/ml



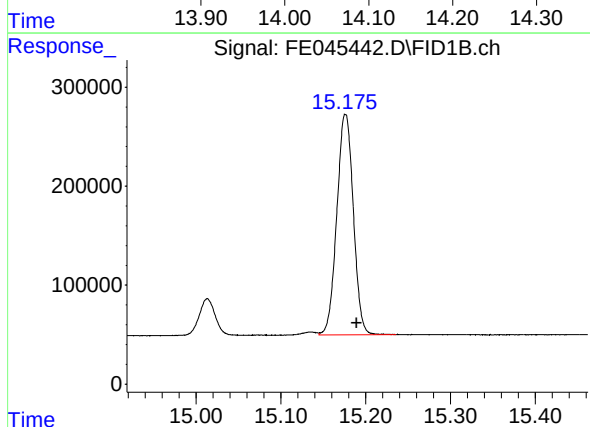
#13 n-Docosane (C22)

R.T.: 14.072 min
Delta R.T.: -0.012 min
Response: 2985702
Conc: 19.71 ug/ml

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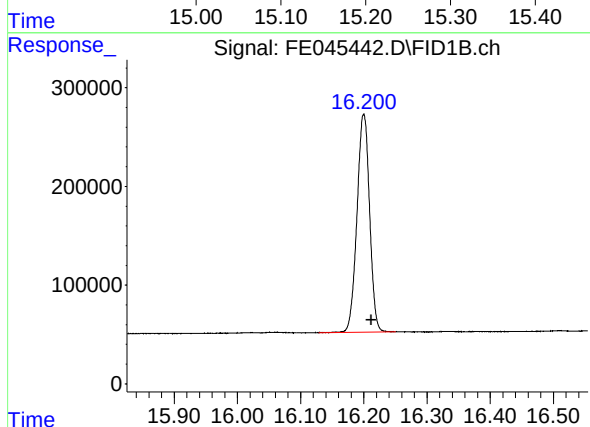
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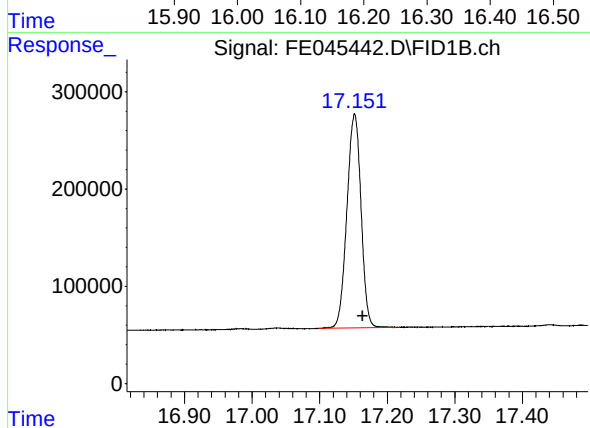
#14 n-Tetracosane (C24)

R.T.: 15.176 min
Delta R.T.: -0.013 min
Response: 3018772
Conc: 20.38 ug/ml



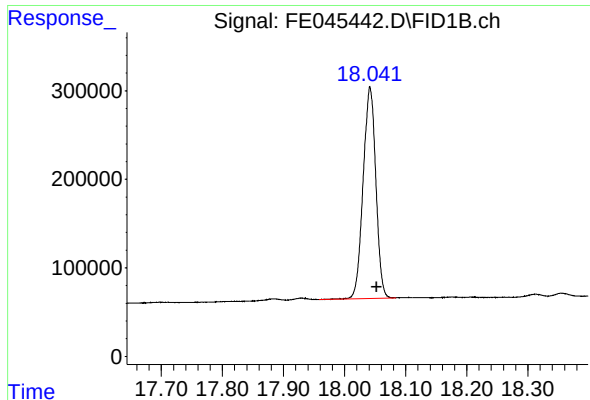
#15 n-Hexacosane (C26)

R.T.: 16.200 min
Delta R.T.: -0.012 min
Response: 3060918
Conc: 21.00 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.151 min
Delta R.T.: -0.012 min
Response: 3199999
Conc: 21.90 ug/ml m



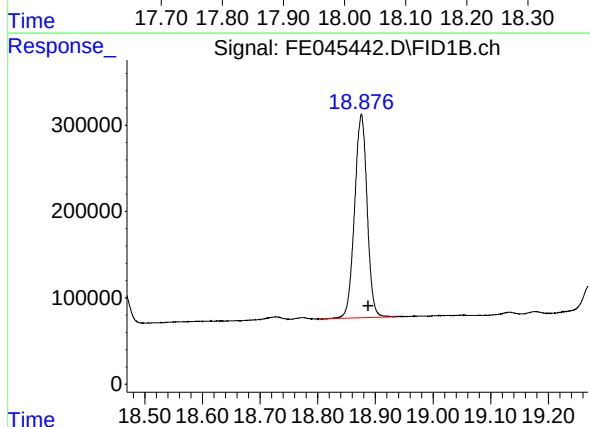
#17 n-Tricontane (C30)

R.T.: 18.042 min
Delta R.T.: -0.011 min
Response: 3446802
Conc: 22.69 ug/ml

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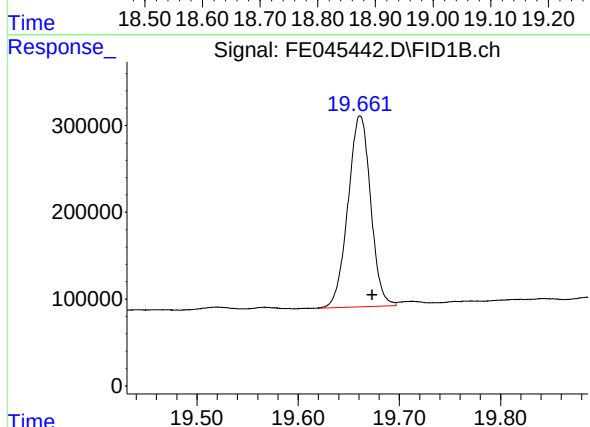
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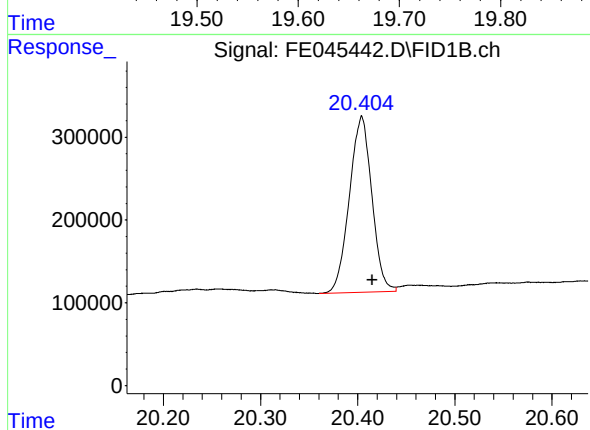
#18 n-Dotriacontane (C32)

R.T.: 18.876 min
Delta R.T.: -0.012 min
Response: 3571429
Conc: 22.86 ug/ml



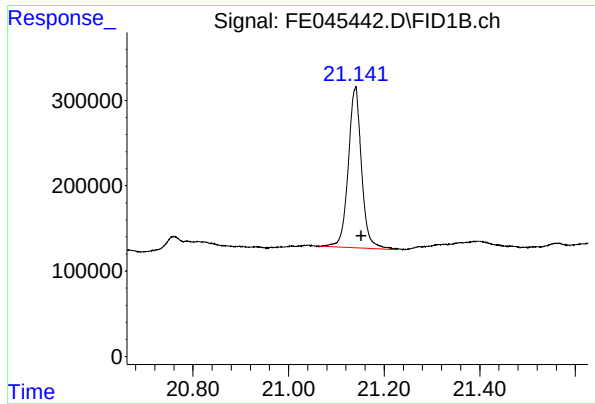
#19 n-Tetratriacontane (C34)

R.T.: 19.661 min
Delta R.T.: -0.012 min
Response: 3427315
Conc: 21.95 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.404 min
Delta R.T.: -0.011 min
Response: 3411760
Conc: 21.02 ug/ml



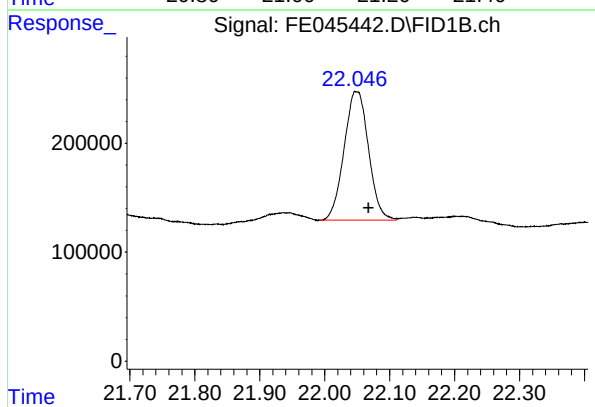
#21 n-Octatriacontane (C38)

R.T.: 21.141 min
Delta R.T.: -0.012 min
Response: 3637446
Conc: 21.89 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.046 min
Delta R.T.: -0.022 min
Response: 3087024
Conc: 18.07 ug/ml m