

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020425AL\
 Data File : FE052214.D
 Signal(s) : FID1B.ch
 Acq On : 04 Feb 2025 11:27
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/05/2025
 Supervised By :Ankita Jodhani 02/05/2025

Integration File: autoint1.e
 Quant Time: Feb 05 00:47:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
 Quant Title : GC Extractables
 QLast Update : Mon Feb 03 15:16:54 2025
 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)	12.270	2447171	19.772 ug/ml
Spiked Amount 50.000		Recovery =	39.54%
12) S 1-chlorooctadecane (S...	13.686	1939611	19.653 ug/ml
Spiked Amount 50.000		Recovery =	39.31%
Target Compounds			
1) T n-Nonane (C9)	3.718	1830871	19.602 ug/ml
2) T n-Decane (C10)	4.950	1915398	19.945 ug/ml
3) T A~Naphthalene (C11.7)	6.655	2133954	19.967 ug/ml
4) T n-Dodecane (C12)	7.087	1974172	19.918 ug/ml
5) T A~2-methylnaphthalene...	7.739	2096036	20.013 ug/ml
6) T n-Tetradecane (C14)	8.899	2019115	20.008 ug/ml
7) T n-Hexadecane (C16)	10.497	2157959	19.886 ug/ml
8) T n-Octadecane (C18)	11.934	2246445	19.775 ug/mlm
10) T n-Eicosane (C20)	13.239	2222105	19.691 ug/ml
11) T n-Heneicosane (C21)	13.850	2215029	19.669 ug/ml
13) T n-Docosane (C22)	14.434	2231275	19.713 ug/mlm
14) T n-Tetracosane (C24)	15.533	2274704	19.784 ug/ml
15) T n-Hexacosane (C26)	16.551	2272385	19.815 ug/ml
16) T n-Octacosane (C28)	17.498	2274444	20.102 ug/ml
17) T n-Tricontane (C30)	18.383	2342934	20.561 ug/ml
18) T n-Dotriacontane (C32)	19.213	2252387	20.659 ug/ml
19) T n-Tetratriacontane (C34)	19.994	1941773	20.467 ug/ml
20) T n-Hexatriacontane (C36)	20.731	1636558	19.806 ug/ml
21) T n-Octatriacontane (C38)	21.538	1519214	20.449 ug/ml
22) T n-Tetracontane (C40)	22.569	1423480	19.093 ug/ml

(f)=RT Delta > 1/2 Window

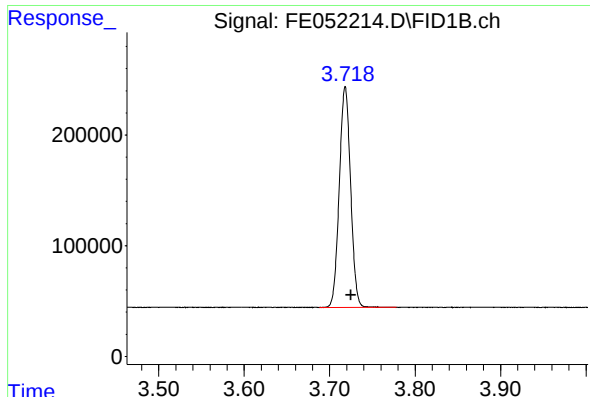
(m)=manual int.

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





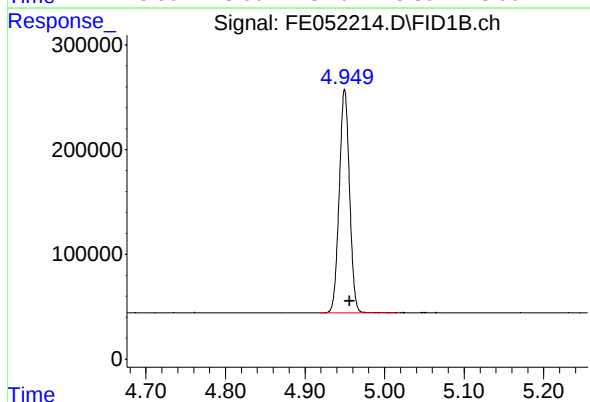
#1 n-Nonane (C9)

R.T.: 3.718 min
Delta R.T.: -0.007 min
Response: 1830871
Conc: 19.60 ug/ml

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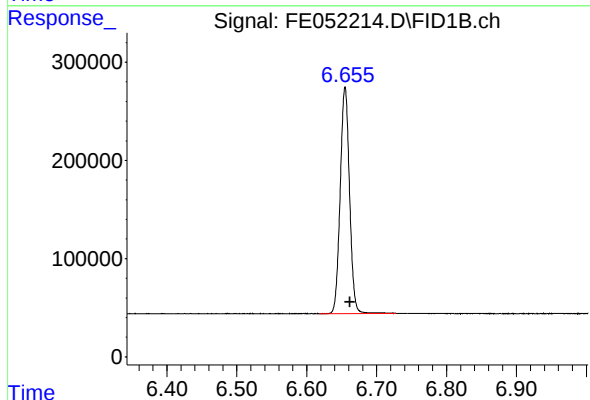
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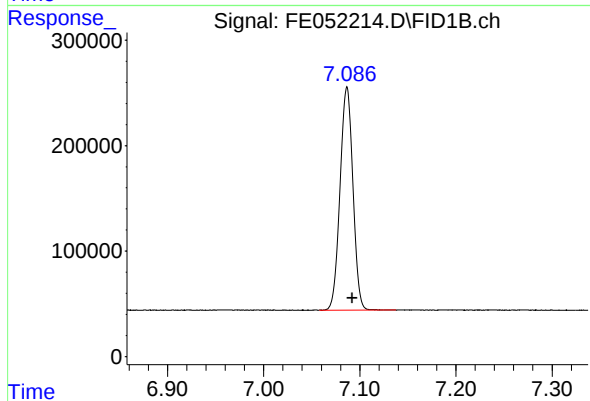
#2 n-Decane (C10)

R.T.: 4.950 min
Delta R.T.: -0.006 min
Response: 1915398
Conc: 19.95 ug/ml



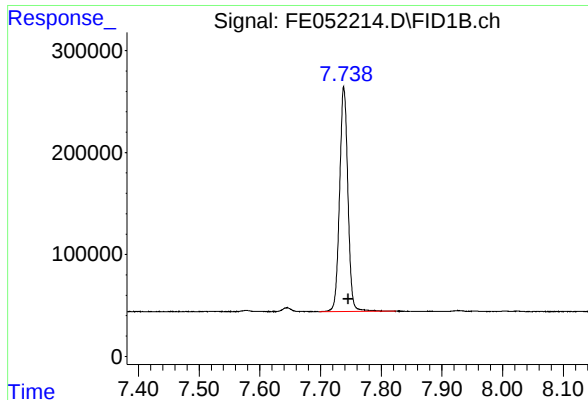
#3 A~Naphthalene (C11.7)

R.T.: 6.655 min
Delta R.T.: -0.007 min
Response: 2133954
Conc: 19.97 ug/ml



#4 n-Dodecane (C12)

R.T.: 7.087 min
Delta R.T.: -0.006 min
Response: 1974172
Conc: 19.92 ug/ml



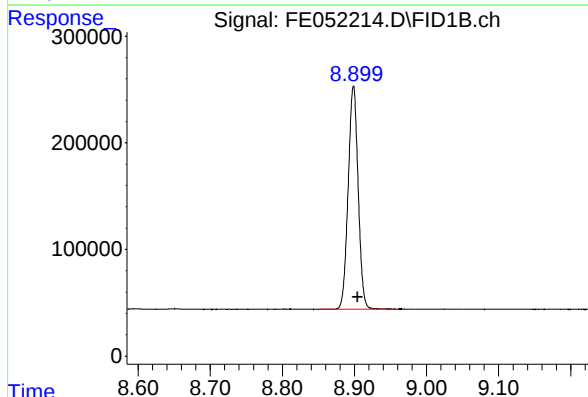
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.739 min
Delta R.T.: -0.007 min
Response: 2096036
Conc: 20.01 ug/ml

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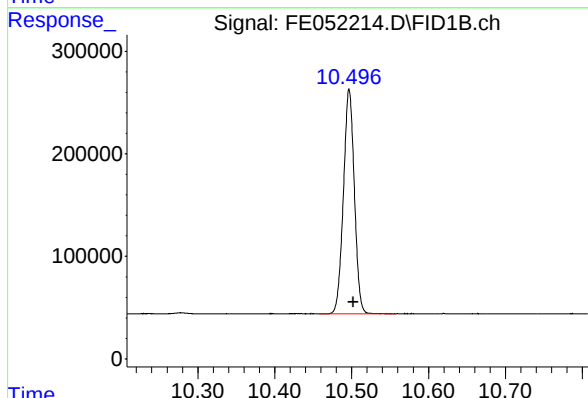
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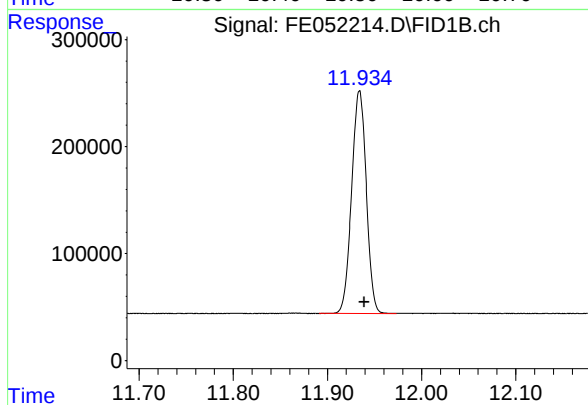
#6 n-Tetradecane (C14)

R.T.: 8.899 min
Delta R.T.: -0.006 min
Response: 2019115
Conc: 20.01 ug/ml



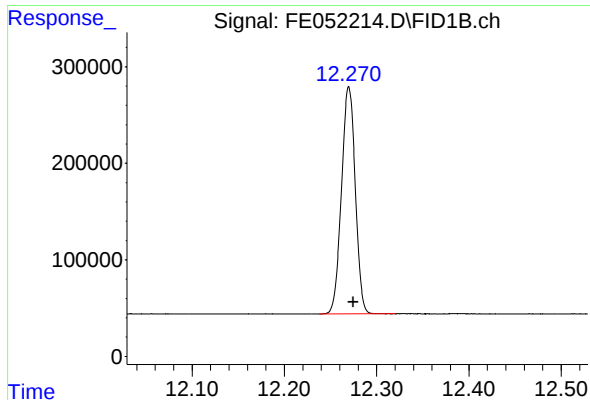
#7 n-Hexadecane (C16)

R.T.: 10.497 min
Delta R.T.: -0.005 min
Response: 2157959
Conc: 19.89 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.934 min
Delta R.T.: -0.005 min
Response: 2246445
Conc: 19.77 ug/ml m



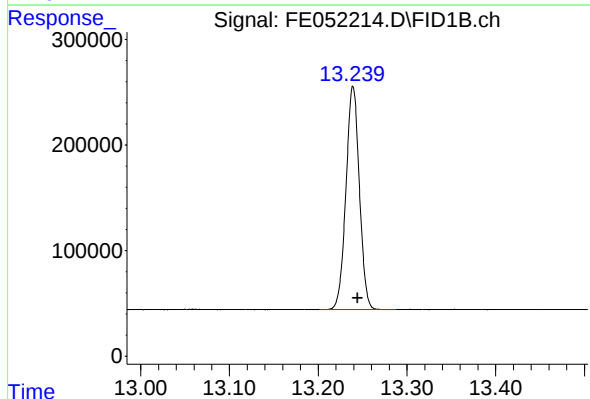
#9 ortho-Terphenyl (SURR)

R.T.: 12.270 min
Delta R.T.: -0.005 min
Response: 2447171
Conc: 19.77 ug/ml

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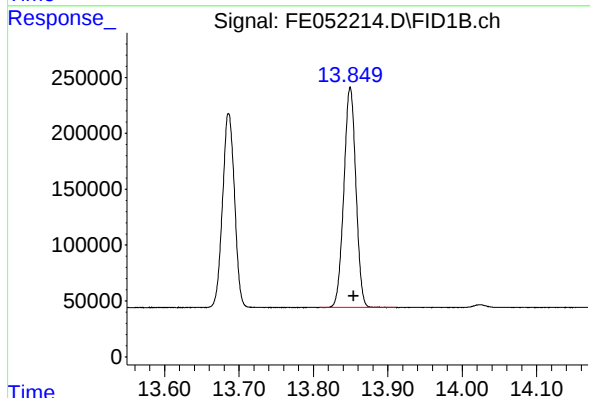
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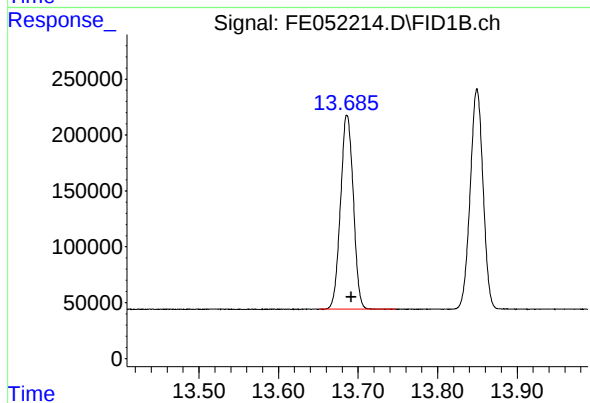
#10 n-Eicosane (C20)

R.T.: 13.239 min
Delta R.T.: -0.005 min
Response: 2222105
Conc: 19.69 ug/ml



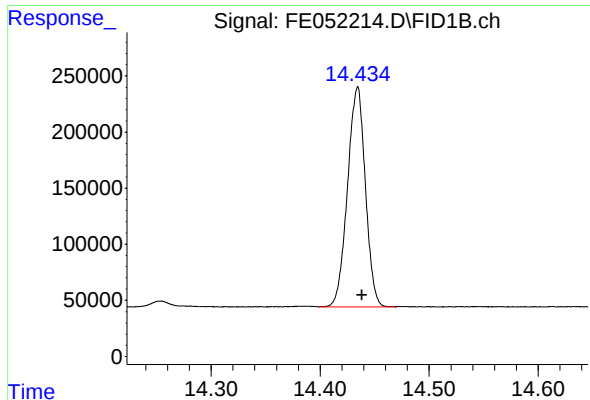
#11 n-Heneicosane (C21)

R.T.: 13.850 min
Delta R.T.: -0.005 min
Response: 2215029
Conc: 19.67 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.686 min
Delta R.T.: -0.005 min
Response: 1939611
Conc: 19.65 ug/ml



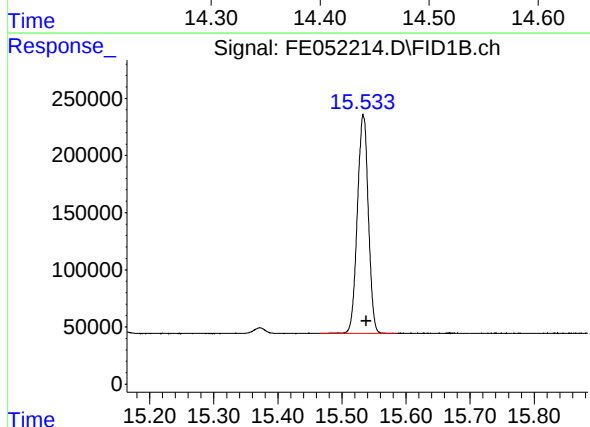
#13 n-Docosane (C22)

R.T.: 14.434 min
Delta R.T.: -0.004 min
Response: 2231275
Conc: 19.71 ug/ml

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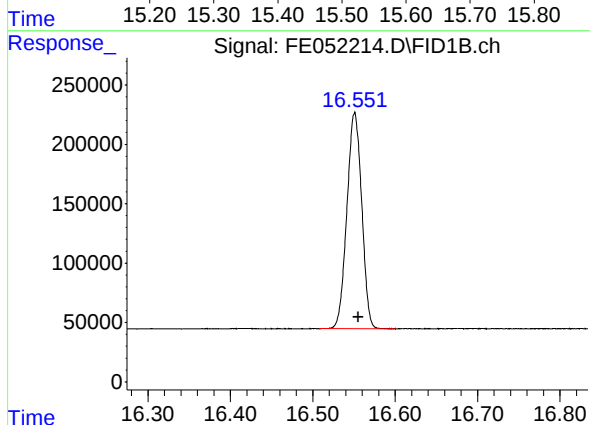
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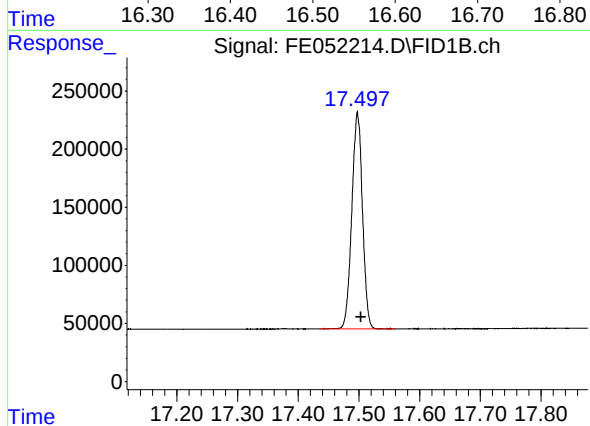
#14 n-Tetracosane (C24)

R.T.: 15.533 min
Delta R.T.: -0.005 min
Response: 2274704
Conc: 19.78 ug/ml



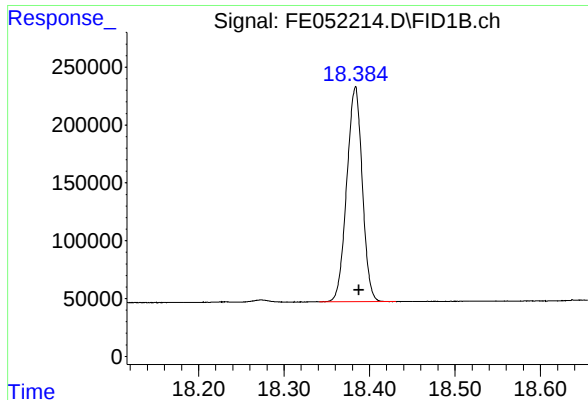
#15 n-Hexacosane (C26)

R.T.: 16.551 min
Delta R.T.: -0.005 min
Response: 2272385
Conc: 19.81 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.498 min
Delta R.T.: -0.006 min
Response: 2274444
Conc: 20.10 ug/ml



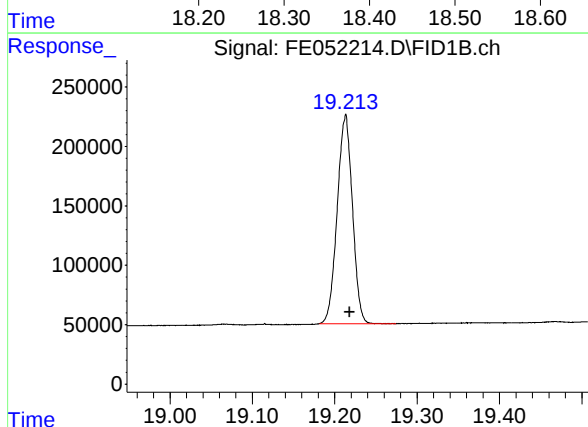
#17 n-Tricontane (C30)

R.T.: 18.383 min
Delta R.T.: -0.005 min
Response: 2342934
Conc: 20.56 ug/ml

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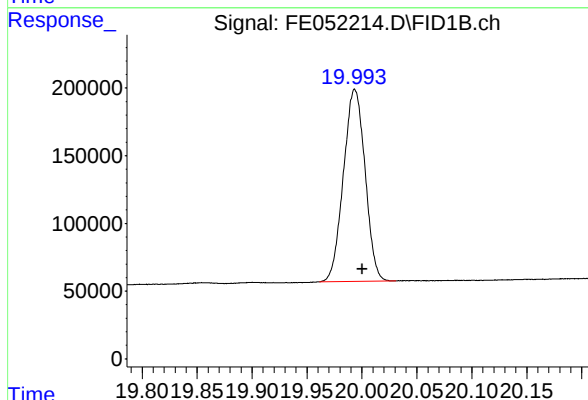
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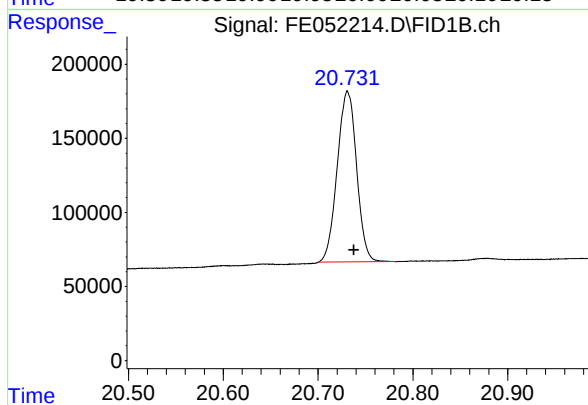
#18 n-Dotriacontane (C32)

R.T.: 19.213 min
Delta R.T.: -0.006 min
Response: 2252387
Conc: 20.66 ug/ml



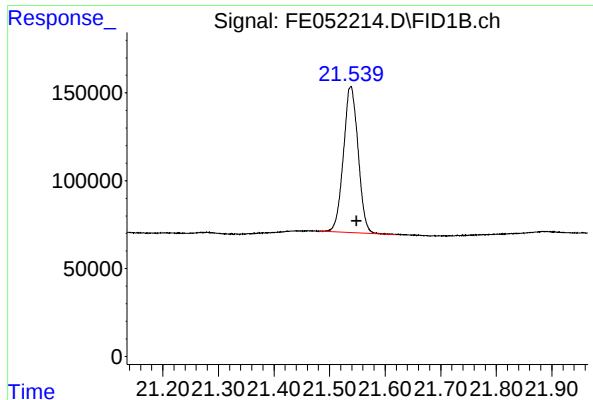
#19 n-Tetratriacontane (C34)

R.T.: 19.994 min
Delta R.T.: -0.007 min
Response: 1941773
Conc: 20.47 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.731 min
Delta R.T.: -0.007 min
Response: 1636558
Conc: 19.81 ug/ml



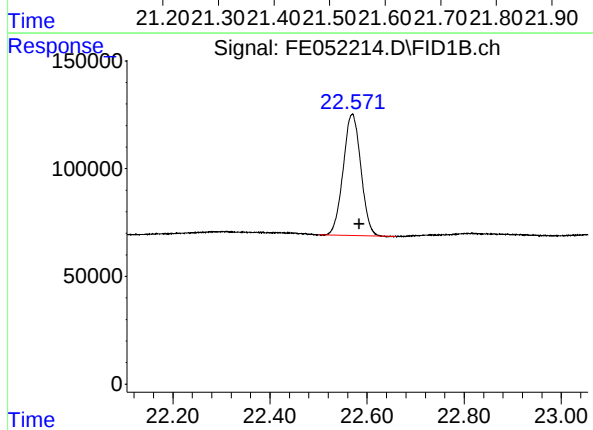
#21 n-Octatriacontane (C38)

R.T.: 21.538 min
Delta R.T.: -0.011 min
Response: 1519214
Conc: 20.45 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.569 min
Delta R.T.: -0.015 min
Response: 1423480
Conc: 19.09 ug/ml