

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE021025AL\
 Data File : FE052310.D
 Signal(s) : FID1B.ch
 Acq On : 10 Feb 2025 10:00
 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 02/11/2025
 Supervised By :Ankita Jodhani 02/11/2025

Integration File: autoint1.e
 Quant Time: Feb 11 03:56:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
 Quant Title : GC Extractables
 QLast Update : Fri Feb 07 07:52:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

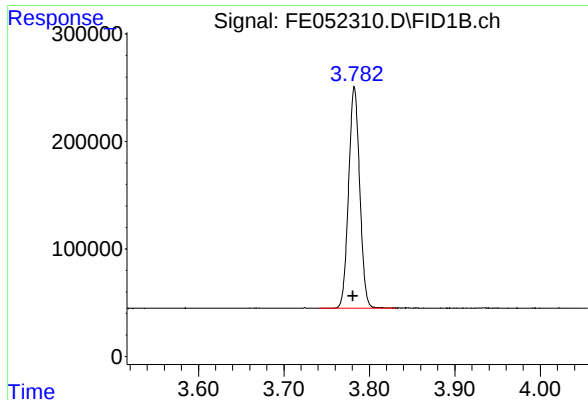
Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.317	2486470	20.089 ug/ml
Spiked Amount 50.000		Recovery =	40.18%
12) S 1-chlorooctadecane (S...	13.729	1929122	19.547 ug/ml
Spiked Amount 50.000		Recovery =	39.09%
Target Compounds			
1) T n-Nonane (C9)	3.782	1858648	19.899 ug/ml
2) T n-Decane (C10)	5.010	1983899	20.659 ug/ml
3) T A~Naphthalene (C11.7)	6.714	2241163	20.970 ug/ml
4) T n-Dodecane (C12)	7.140	2069056	20.875 ug/mlm
5) T A~2-methylnaphthalene...	7.795	2211307	21.114 ug/ml
6) T n-Tetradecane (C14)	8.949	2099048	20.801 ug/ml
7) T n-Hexadecane (C16)	10.544	2221986	20.476 ug/ml
8) T n-Octadecane (C18)	11.979	2286303	20.126 ug/ml
10) T n-Eicosane (C20)	13.282	2233700	19.793 ug/ml
11) T n-Heneicosane (C21)	13.890	2208629	19.612 ug/ml
13) T n-Docosane (C22)	14.473	2209219	19.518 ug/mlm
14) T n-Tetracosane (C24)	15.571	2194637	19.087 ug/ml
15) T n-Hexacosane (C26)	16.588	2158483	18.821 ug/ml
16) T n-Octacosane (C28)	17.532	2122947	18.763 ug/mlm
17) T n-Tricontane (C30)	18.417	2169215	19.037 ug/ml
18) T n-Dotriacontane (C32)	19.246	2107137	19.327 ug/ml
19) T n-Tetratriacontane (C34)	20.026	1827774	19.266 ug/ml
20) T n-Hexatriacontane (C36)	20.763	1602942	19.399 ug/mlm
21) T n-Octatriacontane (C38)	21.581	1537334	20.693 ug/ml
22) T n-Tetracontane (C40)	22.624	1557228	20.887 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.



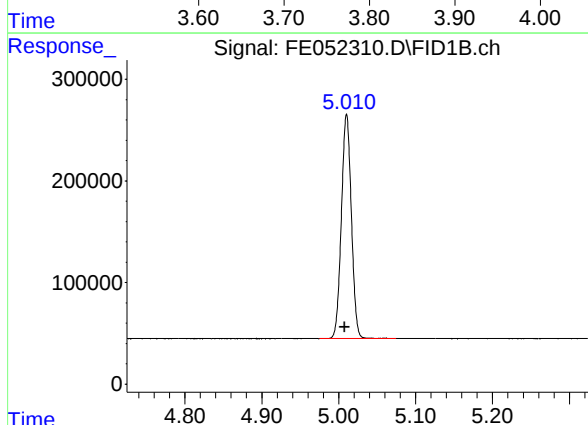
#1 n-Nonane (C9)

R.T.: 3.782 min
Delta R.T.: 0.001 min
Response: 1858648
Conc: 19.90 ug/ml

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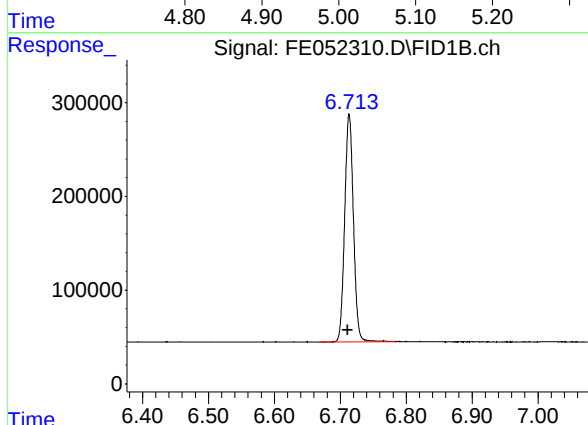
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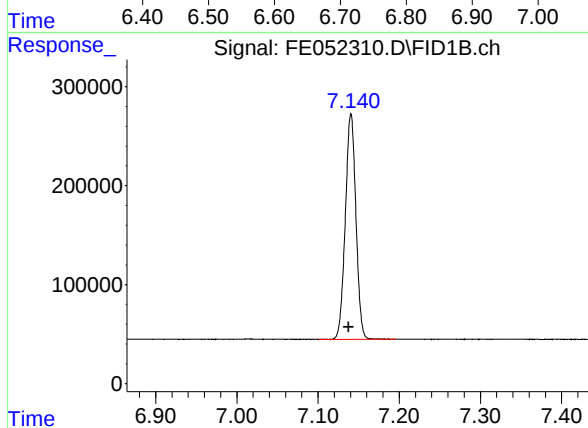
#2 n-Decane (C10)

R.T.: 5.010 min
Delta R.T.: 0.002 min
Response: 1983899
Conc: 20.66 ug/ml



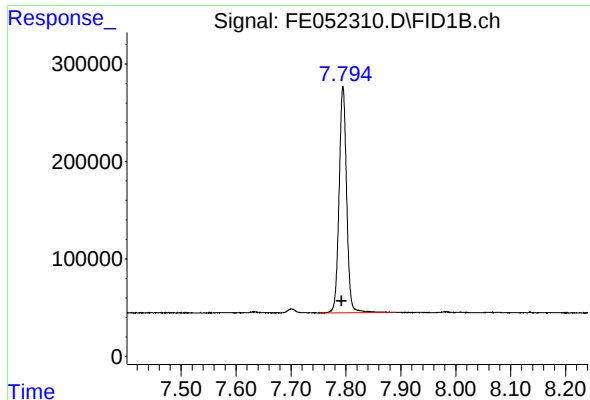
#3 A~Naphthalene (C11.7)

R.T.: 6.714 min
Delta R.T.: 0.002 min
Response: 2241163
Conc: 20.97 ug/ml



#4 n-Dodecane (C12)

R.T.: 7.140 min
Delta R.T.: 0.003 min
Response: 2069056
Conc: 20.87 ug/ml m



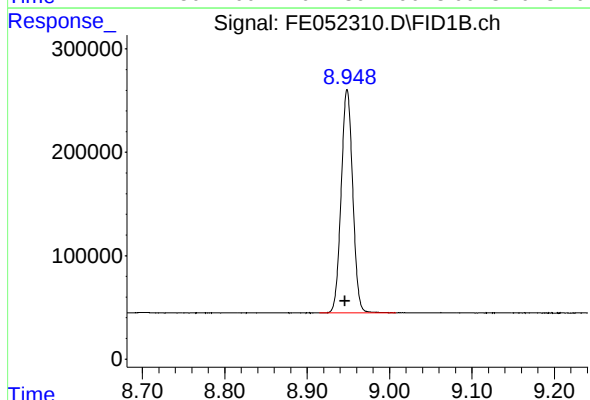
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.795 min
Delta R.T.: 0.003 min
Response: 2211307
Conc: 21.11 ug/ml

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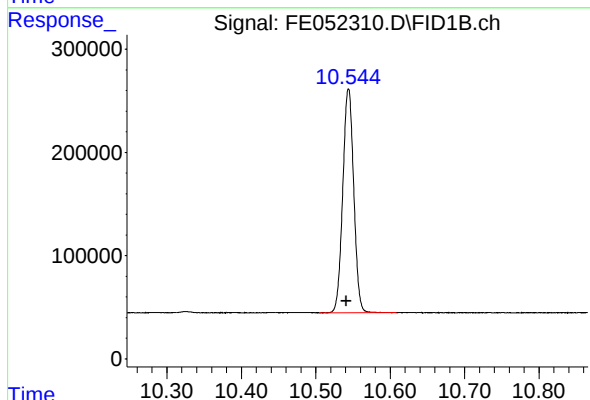
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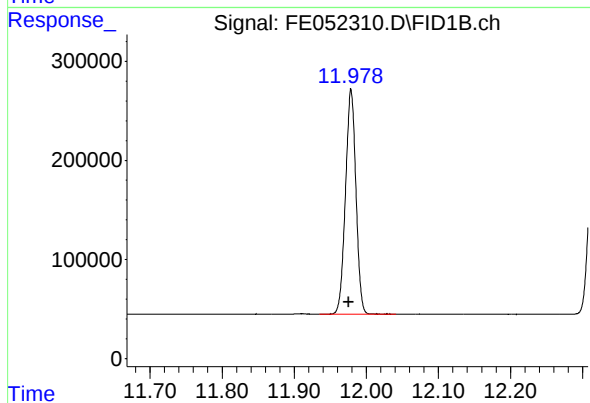
#6 n-Tetradecane (C14)

R.T.: 8.949 min
Delta R.T.: 0.003 min
Response: 2099048
Conc: 20.80 ug/ml



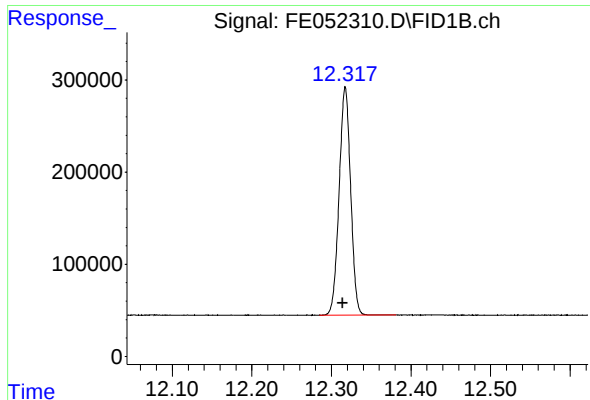
#7 n-Hexadecane (C16)

R.T.: 10.544 min
Delta R.T.: 0.003 min
Response: 2221986
Conc: 20.48 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.979 min
Delta R.T.: 0.003 min
Response: 2286303
Conc: 20.13 ug/ml



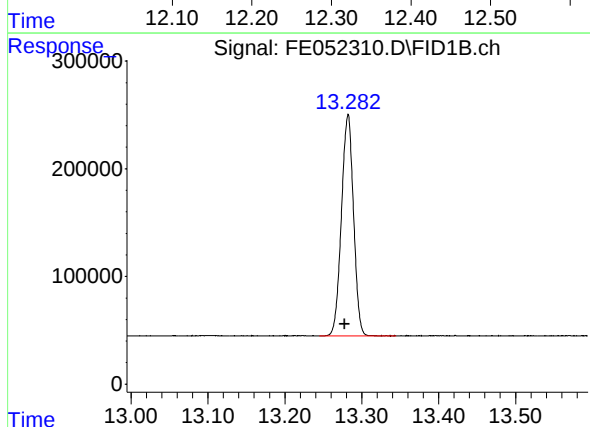
#9 ortho-Terphenyl (SURR)

R.T.: 12.317 min
Delta R.T.: 0.003 min
Response: 2486470
Conc: 20.09 ug/ml

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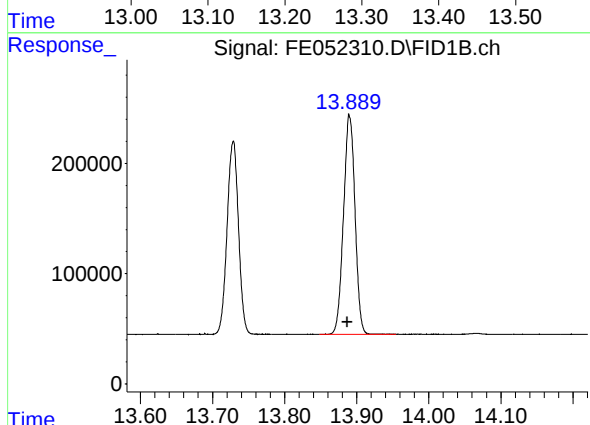
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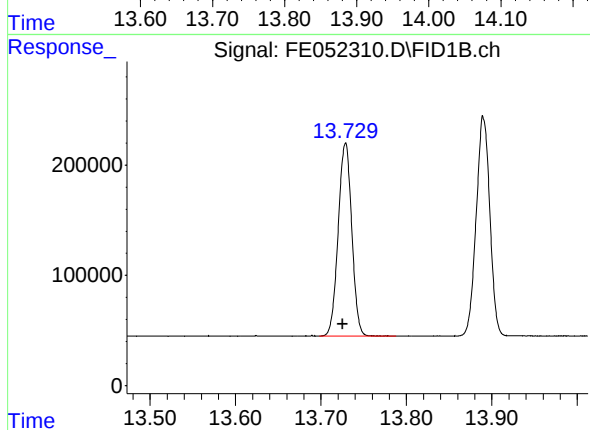
#10 n-Eicosane (C20)

R.T.: 13.282 min
Delta R.T.: 0.004 min
Response: 2233700
Conc: 19.79 ug/ml



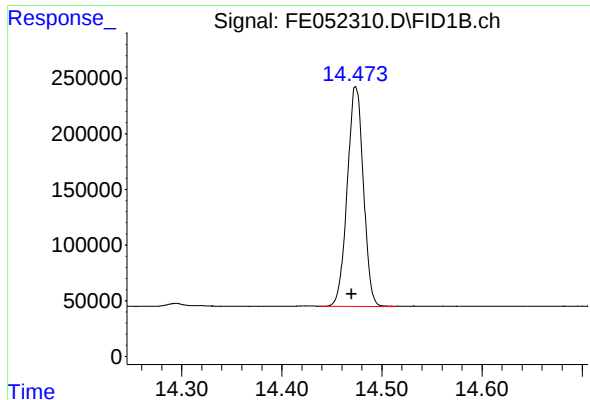
#11 n-Heneicosane (C21)

R.T.: 13.890 min
Delta R.T.: 0.004 min
Response: 2208629
Conc: 19.61 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.729 min
Delta R.T.: 0.003 min
Response: 1929122
Conc: 19.55 ug/ml



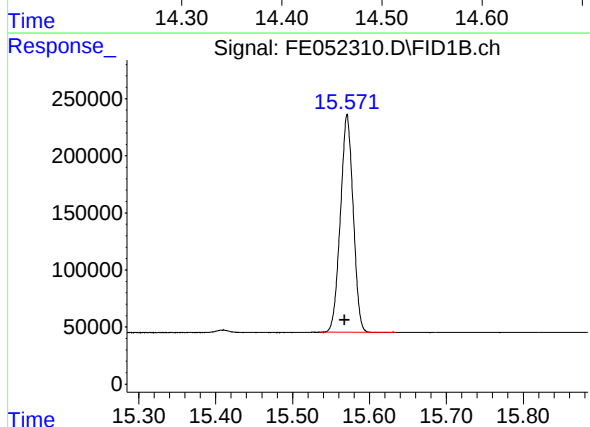
#13 n-Docosane (C22)

R.T.: 14.473 min
Delta R.T.: 0.004 min
Response: 2209219
Conc: 19.52 ug/ml

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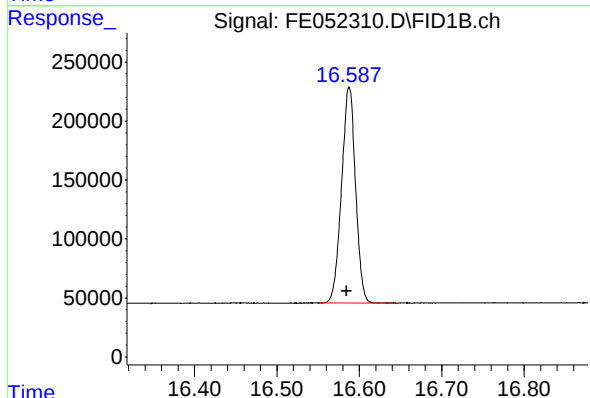
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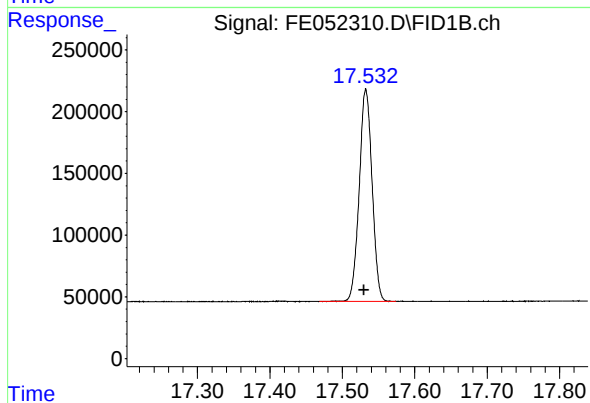
#14 n-Tetracosane (C24)

R.T.: 15.571 min
Delta R.T.: 0.003 min
Response: 2194637
Conc: 19.09 ug/ml



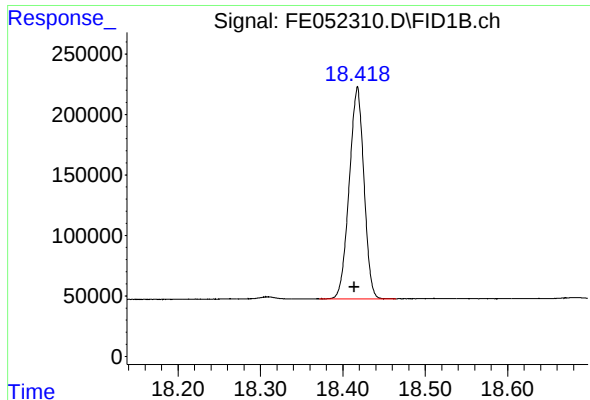
#15 n-Hexacosane (C26)

R.T.: 16.588 min
Delta R.T.: 0.003 min
Response: 2158483
Conc: 18.82 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.532 min
Delta R.T.: 0.002 min
Response: 2122947
Conc: 18.76 ug/ml m



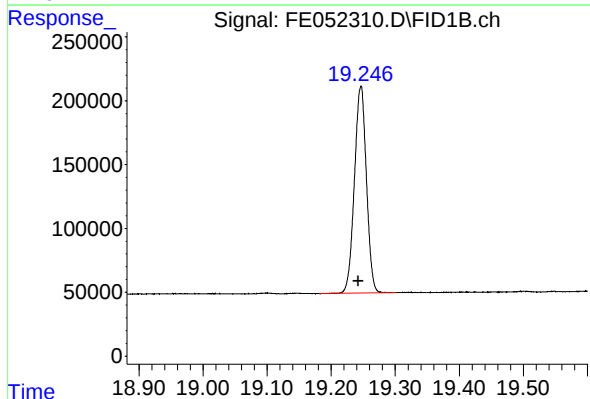
#17 n-Tricontane (C30)

R.T.: 18.417 min
Delta R.T.: 0.004 min
Response: 2169215
Conc: 19.04 ug/ml

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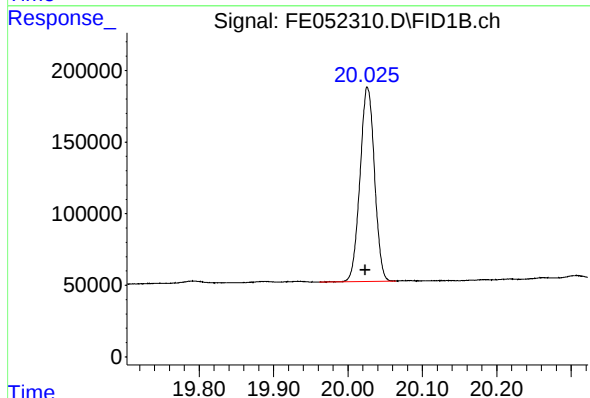
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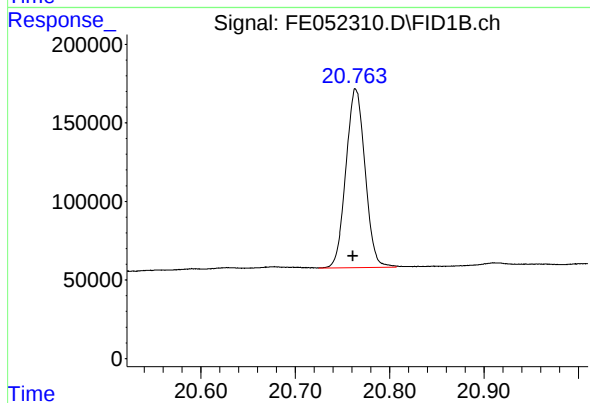
#18 n-Dotriacontane (C32)

R.T.: 19.246 min
Delta R.T.: 0.004 min
Response: 2107137
Conc: 19.33 ug/ml



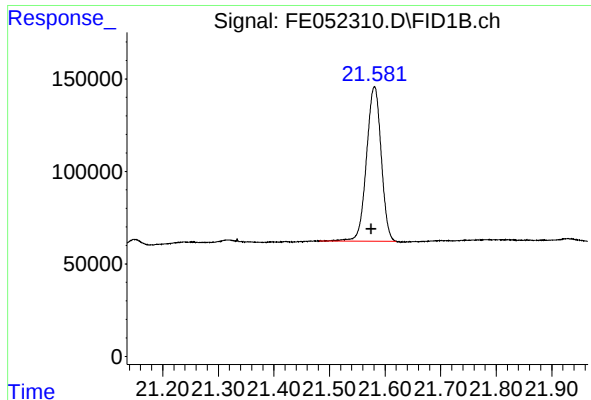
#19 n-Tetatriacontane (C34)

R.T.: 20.026 min
Delta R.T.: 0.003 min
Response: 1827774
Conc: 19.27 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.763 min
Delta R.T.: 0.002 min
Response: 1602942
Conc: 19.40 ug/ml m



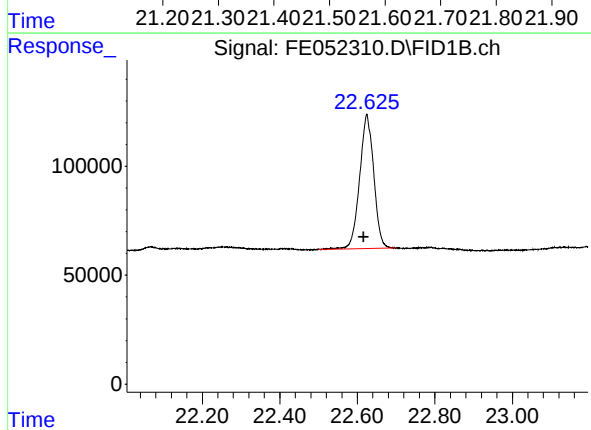
#21 n-Octatriacontane (C38)

R.T.: 21.581 min
Delta R.T.: 0.006 min
Response: 1537334
Conc: 20.69 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.624 min
Delta R.T.: 0.009 min
Response: 1557228
Conc: 20.89 ug/ml