

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112725AL\
 Data File : FE057083.D
 Signal(s) : FID1B.ch
 Acq On : 27 Nov 2025 14:17
 Operator : YP\AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 12/01/2025
 Supervised By :mohammad ahmed 12/02/2025

Integration File: sample.E
 Quant Time: Dec 01 07:58:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 01 07:57:16 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)	11.939	1038398	4.735 ug/ml
Spiked Amount 50.000		Recovery =	9.47%
12) S 1-chlorooctadecane (S...	13.377	771091	4.614 ug/ml
Spiked Amount 50.000		Recovery =	9.23%
Target Compounds			
1) T n-Nonane (C9)	3.299	900657	4.603 ug/ml
2) T n-Decane (C10)	4.551	928798	4.568 ug/ml
3) T A~Naphthalene (C11.7)	6.273	814593	3.969 ug/ml
4) T n-Dodecane (C12)	6.723	938886	4.582 ug/ml
5) T A~2-methylnaphthalene...	7.371	829106	4.287 ug/mlm
6) T n-Tetradecane (C14)	8.556	924679	4.574 ug/ml
7) T n-Hexadecane (C16)	10.168	945230	4.588 ug/ml
8) T n-Octadecane (C18)	11.616	967972	4.688 ug/ml
10) T n-Eicosane (C20)	12.929	945937	4.828 ug/ml
11) T n-Heneicosane (C21)	13.542	922840	4.818 ug/ml
13) T n-Docosane (C22)	14.130	961709	5.086 ug/ml
14) T n-Tetracosane (C24)	15.235	1065602	5.679 ug/mlm
15) T n-Hexacosane (C26)	16.260	1098380	5.904 ug/ml
16) T n-Octacosane (C28)	17.213	1217921	6.392 ug/ml
17) T n-Tricontane (C30)	18.102	1420246	6.815 ug/ml
18) T n-Dotriacontane (C32)	18.937	1563348	7.234 ug/ml
19) T n-Tetratriacontane (C34)	19.723	1360125	6.706 ug/ml
20) T n-Hexatriacontane (C36)	20.464	1116001	6.222 ug/ml
21) T n-Octatriacontane (C38)	21.211	963463	5.714 ug/ml
22) T n-Tetracontane (C40)	22.142	871697	5.301 ug/ml

(f)=RT Delta > 1/2 Window

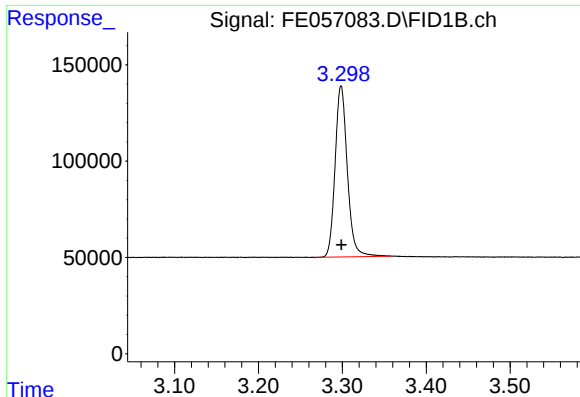
(m)=manual int.

Instrument :
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5 PPM ALIPHATIC HC STD5

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





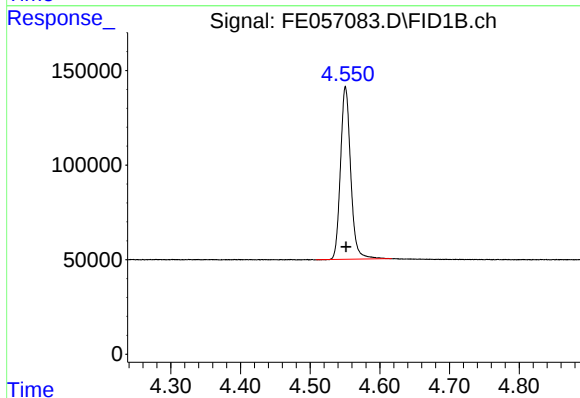
#1 n-Nonane (C9)

R.T.: 3.299 min
Delta R.T.: 0.000 min
Response: 900657
Conc: 4.60 ug/ml

Instrument : FID_E
ClientSampleId : 5 PPM ALIPHATIC HC STD5

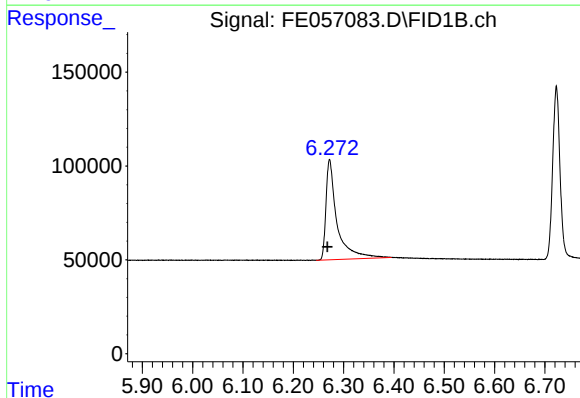
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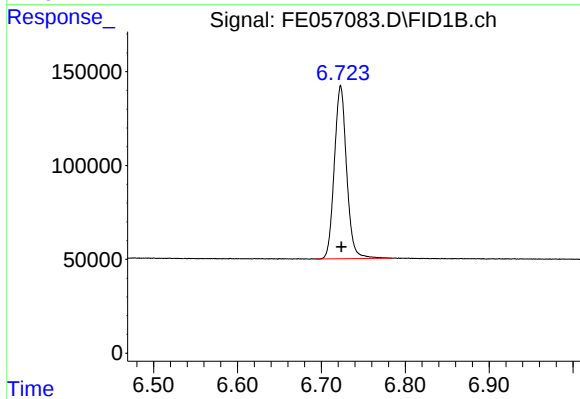
#2 n-Decane (C10)

R.T.: 4.551 min
Delta R.T.: 0.000 min
Response: 928798
Conc: 4.57 ug/ml



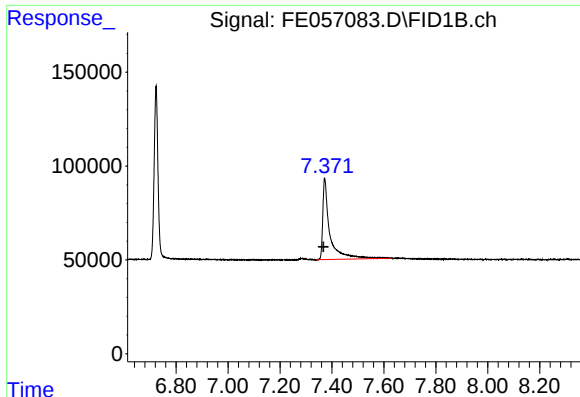
#3 A~Naphthalene (C11.7)

R.T.: 6.273 min
Delta R.T.: 0.005 min
Response: 814593
Conc: 3.97 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.723 min
Delta R.T.: -0.001 min
Response: 938886
Conc: 4.58 ug/ml



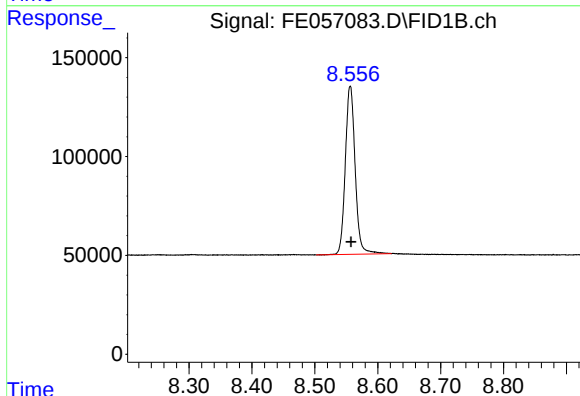
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.371 min
Delta R.T.: 0.004 min
Response: 829106
Conc: 4.29 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

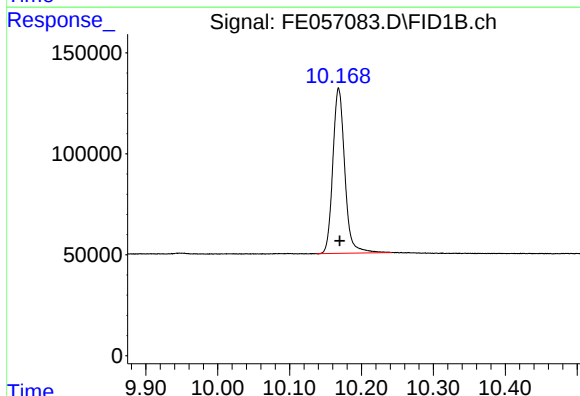
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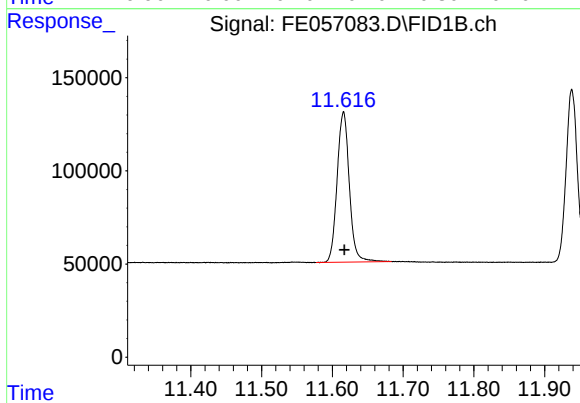
#6 n-Tetradecane (C14)

R.T.: 8.556 min
Delta R.T.: -0.001 min
Response: 924679
Conc: 4.57 ug/ml



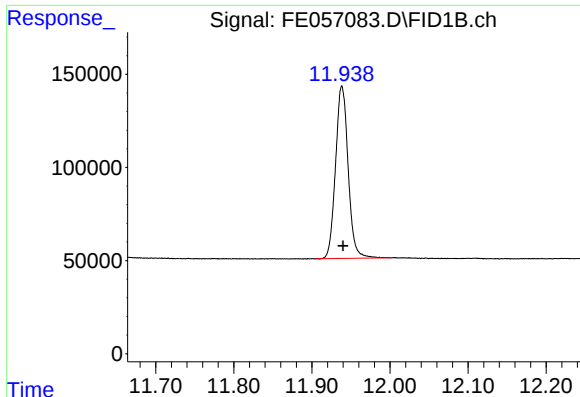
#7 n-Hexadecane (C16)

R.T.: 10.168 min
Delta R.T.: -0.001 min
Response: 945230
Conc: 4.59 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.616 min
Delta R.T.: -0.001 min
Response: 967972
Conc: 4.69 ug/ml



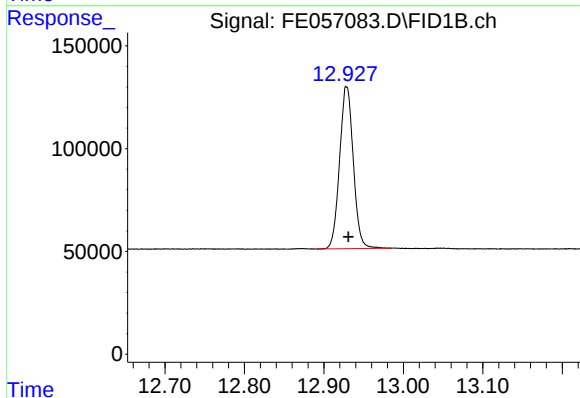
#9 ortho-Terphenyl (SURR)

R.T.: 11.939 min
Delta R.T.: -0.001 min
Response: 1038398
Conc: 4.73 ug/ml

Instrument :
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5 PPM ALIPHATIC HC STD5

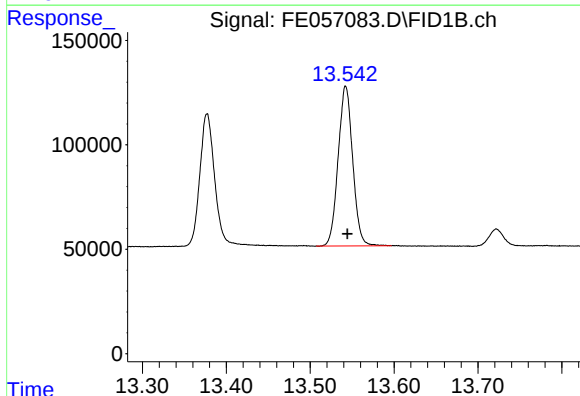
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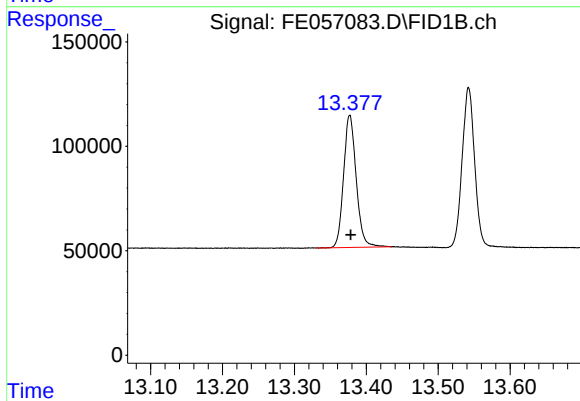
#10 n-Eicosane (C20)

R.T.: 12.929 min
Delta R.T.: -0.002 min
Response: 945937
Conc: 4.83 ug/ml



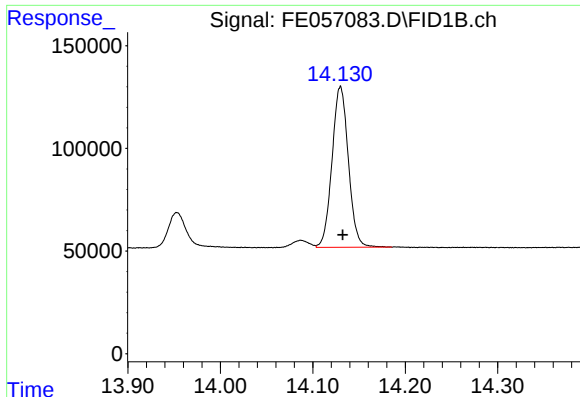
#11 n-Heneicosane (C21)

R.T.: 13.542 min
Delta R.T.: -0.002 min
Response: 922840
Conc: 4.82 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.377 min
Delta R.T.: -0.001 min
Response: 771091
Conc: 4.61 ug/ml



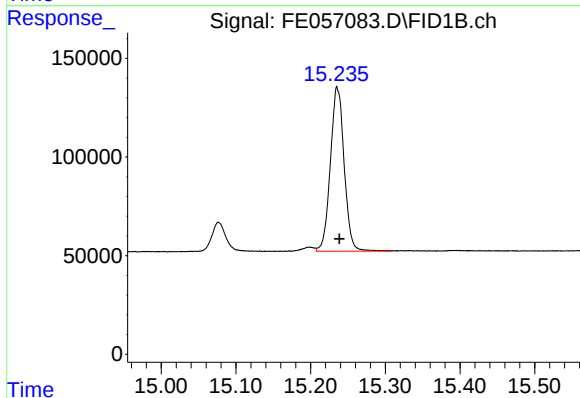
#13 n-Docosane (C22)

R.T.: 14.130 min
Delta R.T.: -0.002 min
Response: 961709
Conc: 5.09 ug/ml

Instrument :
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5 PPM ALIPHATIC HC STD5

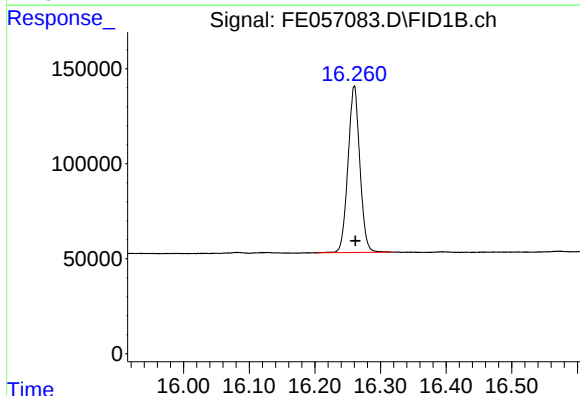
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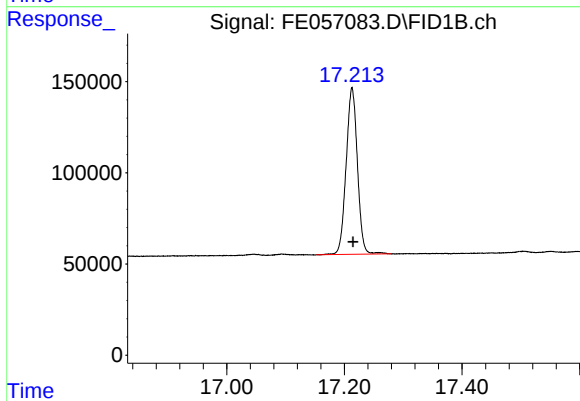
#14 n-Tetracosane (C24)

R.T.: 15.235 min
Delta R.T.: -0.004 min
Response: 1065602
Conc: 5.68 ug/ml m



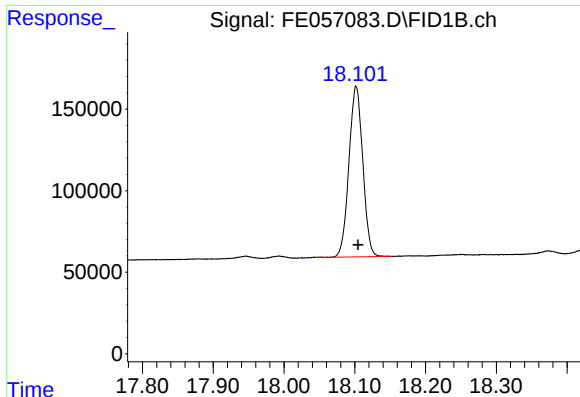
#15 n-Hexacosane (C26)

R.T.: 16.260 min
Delta R.T.: -0.002 min
Response: 1098380
Conc: 5.90 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.213 min
Delta R.T.: -0.001 min
Response: 1217921
Conc: 6.39 ug/ml



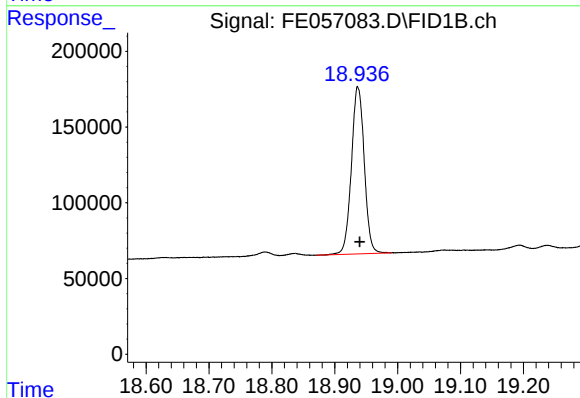
#17 n-Tricontane (C30)

R.T.: 18.102 min
Delta R.T.: -0.003 min
Response: 1420246
Conc: 6.82 ug/ml

Instrument :
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5 PPM ALIPHATIC HC STD5

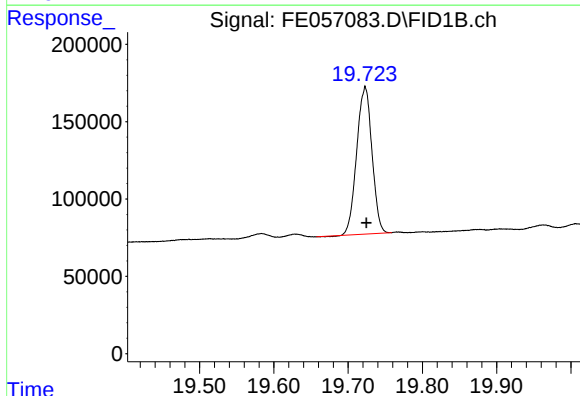
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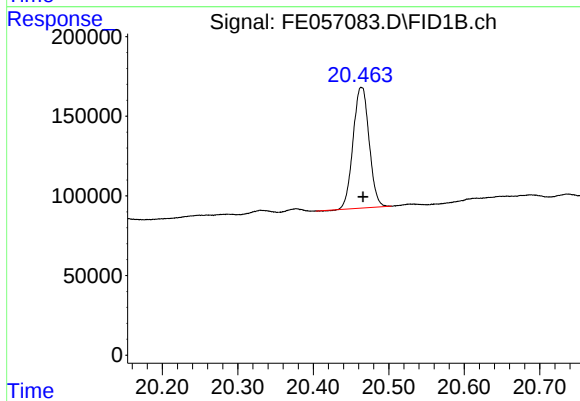
#18 n-Dotriacontane (C32)

R.T.: 18.937 min
Delta R.T.: -0.003 min
Response: 1563348
Conc: 7.23 ug/ml



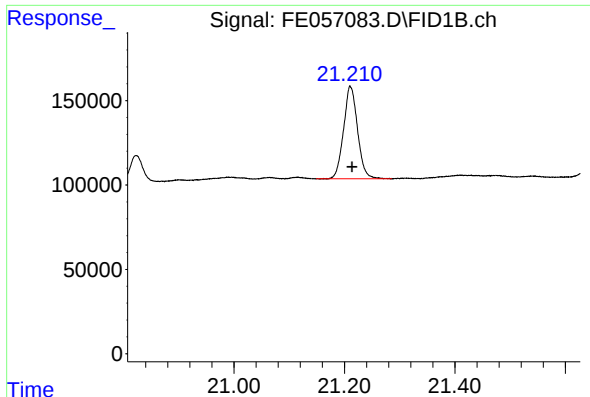
#19 n-Tetratriacontane (C34)

R.T.: 19.723 min
Delta R.T.: -0.002 min
Response: 1360125
Conc: 6.71 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.464 min
Delta R.T.: -0.002 min
Response: 1116001
Conc: 6.22 ug/ml



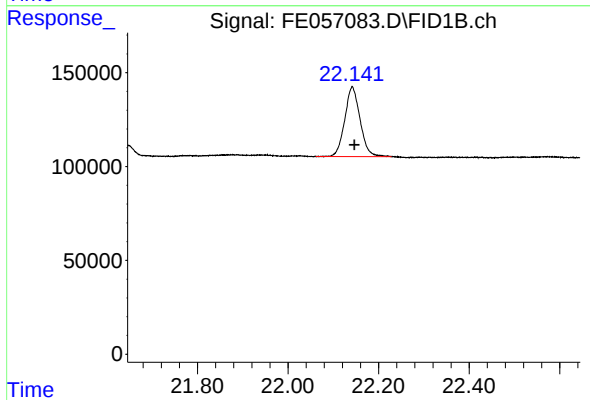
#21 n-Octatriacontane (C38)

R.T.: 21.211 min
Delta R.T.: -0.003 min
Response: 963463
Conc: 5.71 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.142 min
Delta R.T.: -0.005 min
Response: 871697
Conc: 5.30 ug/ml