

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE113023AL\
 Data File : FE045589.D
 Signal(s) : FID1B.ch
 Acq On : 30 Nov 2023 11:50
 Operator : YP\AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/01/2023
 Supervised By :Ankita Jodhani 12/01/2023

Integration File: autoint1.e
 Quant Time: Nov 30 12:15:39 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 113023.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 30 12:14:58 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)	11.859	1116588	5.432 ug/ml
Spiked Amount 50.000		Recovery =	10.86%
12) S 1-chlorooctadecane (S...	13.303	809291	5.181 ug/ml
Spiked Amount 50.000		Recovery =	10.36%
Target Compounds			
1) T n-Nonane (C9)	3.251	823838	5.246 ug/ml
2) T n-Decane (C10)	4.501	833241	5.257 ug/ml
3) T A~Naphthalene (C11.7)	6.202	874981	5.029 ug/ml
4) T n-Dodecane (C12)	6.667	834614	5.210 ug/ml
5) T A~2-methylnaphthalene...	7.297	836855	4.910 ug/ml
6) T n-Tetradecane (C14)	8.494	823065	5.164 ug/ml
7) T n-Hexadecane (C16)	10.104	848351	5.155 ug/ml
8) T n-Octadecane (C18)	11.547	888245	5.228 ug/ml
10) T n-Eicosane (C20)	12.858	925198	5.442 ug/ml
11) T n-Heneicosane (C21)	13.471	902698	5.313 ug/ml
13) T n-Docosane (C22)	14.058	906513	5.326 ug/ml
14) T n-Tetracosane (C24)	15.164	924105	5.372 ug/ml
15) T n-Hexacosane (C26)	16.186	920037	5.359 ug/ml
16) T n-Octacosane (C28)	17.138	925258	5.450 ug/ml
17) T n-Tricontane (C30)	18.026	955373	5.590 ug/ml
18) T n-Dotriacontane (C32)	18.860	1193340	7.087 ug/mlm
19) T n-Tetratriacontane (C34)	19.645	921290	5.710 ug/mlm
20) T n-Hexatriacontane (C36)	20.386	851417	5.463 ug/ml
21) T n-Octatriacontane (C38)	21.119	905460	6.006 ug/mlm
22) T n-Tetracontane (C40)	22.019	693459	4.735 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Signal(s) : FID1B.ch
Acq On : 30 Nov 2023 11:50
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 20 Sample Multiplier: 1

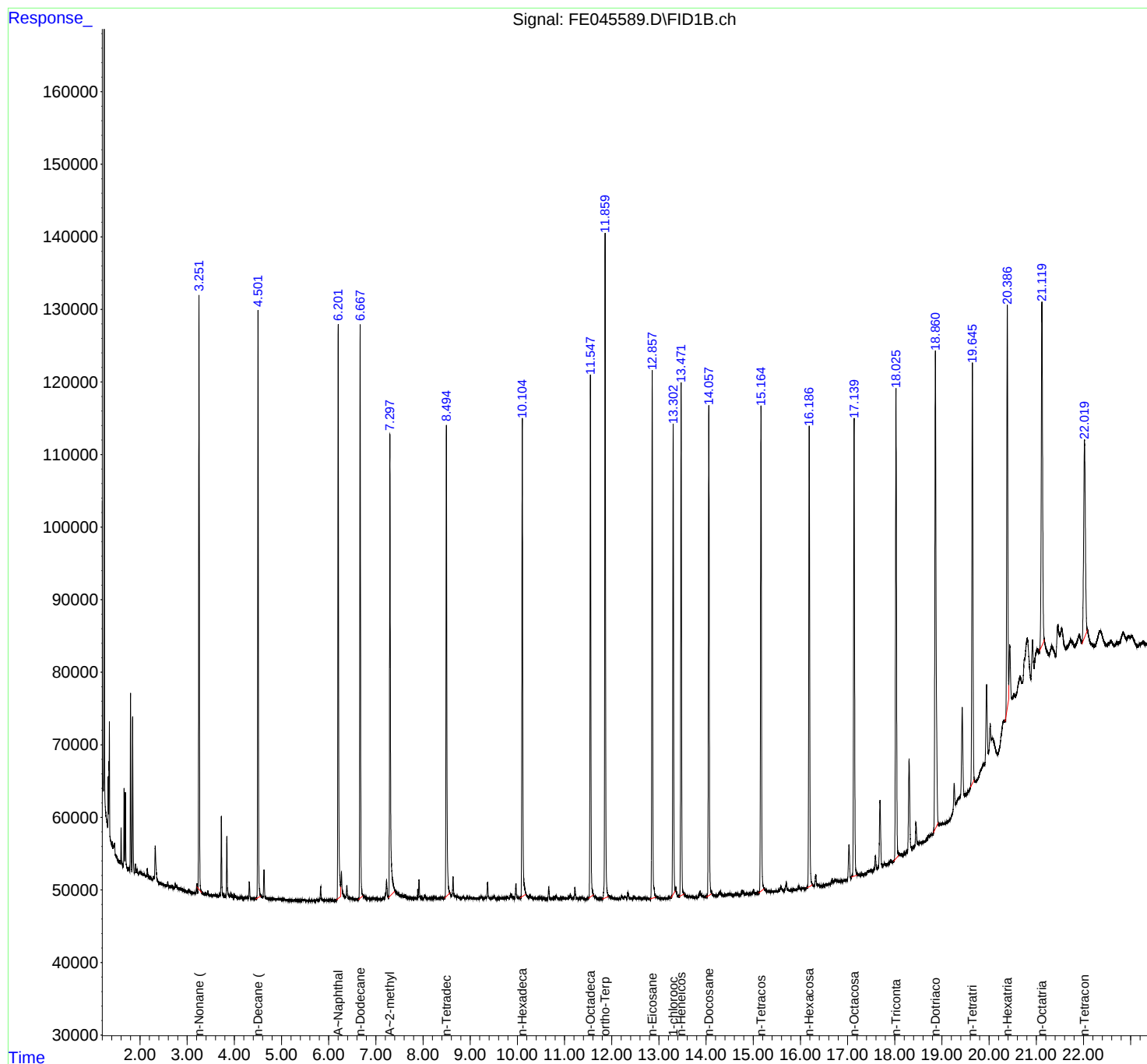
Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

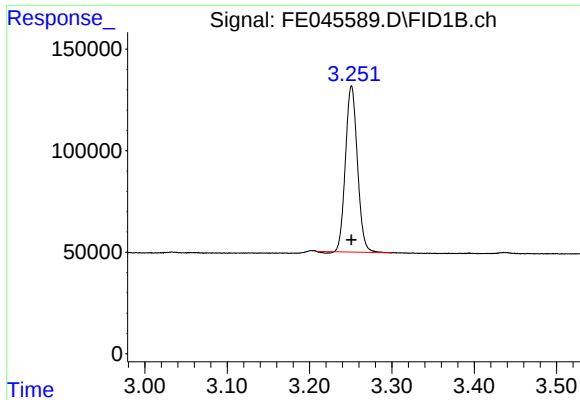
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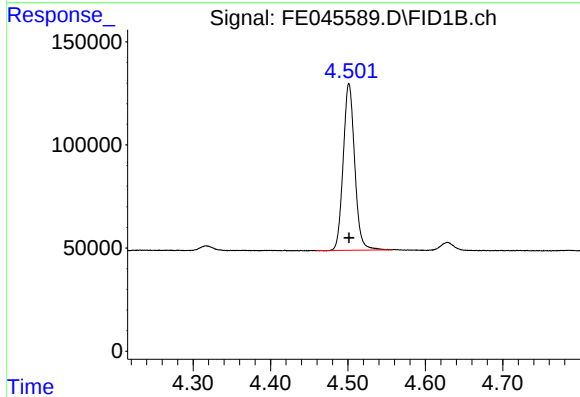
#1 n-Nonane (C9)

R.T.: 3.251 min
Delta R.T.: 0.000 min
Response: 823838
Conc: 5.25 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

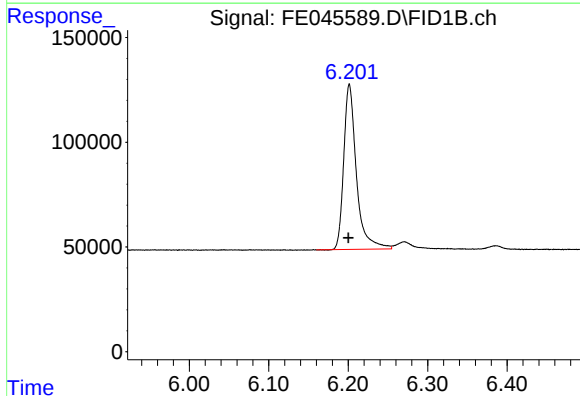
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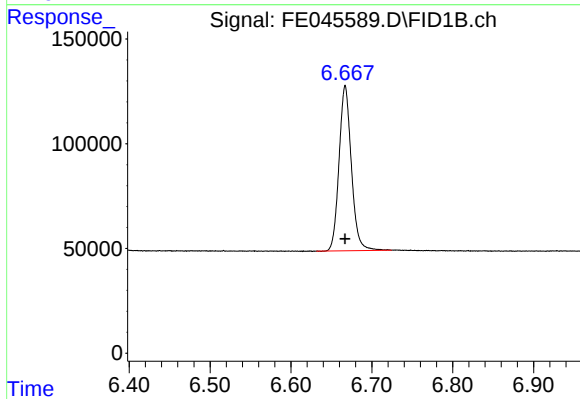
#2 n-Decane (C10)

R.T.: 4.501 min
Delta R.T.: 0.000 min
Response: 833241
Conc: 5.26 ug/ml



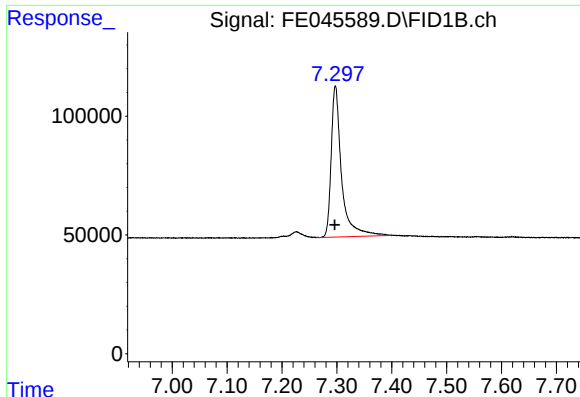
#3 A~Naphthalene (C11.7)

R.T.: 6.202 min
Delta R.T.: 0.001 min
Response: 874981
Conc: 5.03 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.667 min
Delta R.T.: 0.000 min
Response: 834614
Conc: 5.21 ug/ml



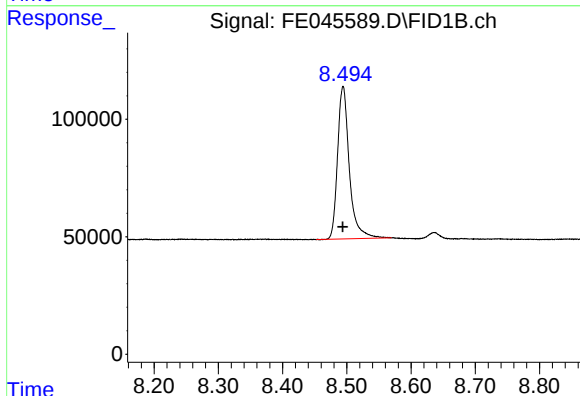
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.297 min
Delta R.T.: 0.001 min
Response: 836855
Conc: 4.91 ug/ml

Instrument :
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5 PPM ALIPHATIC HC STD5

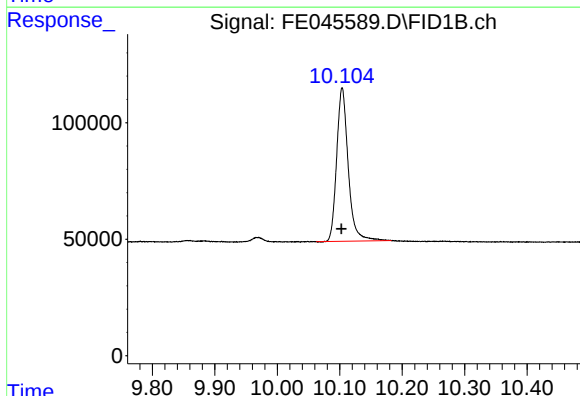
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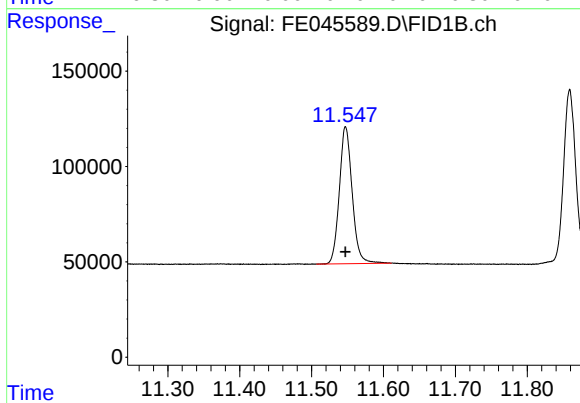
#6 n-Tetradecane (C14)

R.T.: 8.494 min
Delta R.T.: 0.000 min
Response: 823065
Conc: 5.16 ug/ml



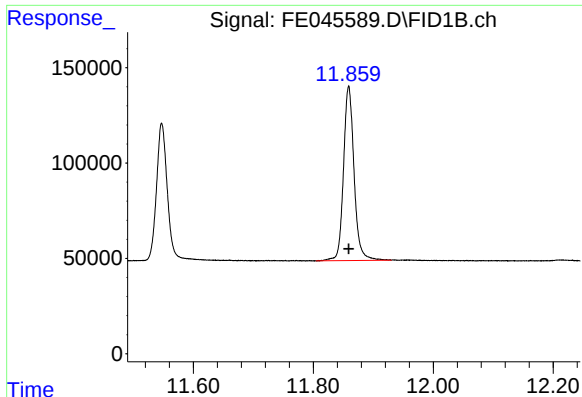
#7 n-Hexadecane (C16)

R.T.: 10.104 min
Delta R.T.: 0.001 min
Response: 848351
Conc: 5.15 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.547 min
Delta R.T.: 0.000 min
Response: 888245
Conc: 5.23 ug/ml



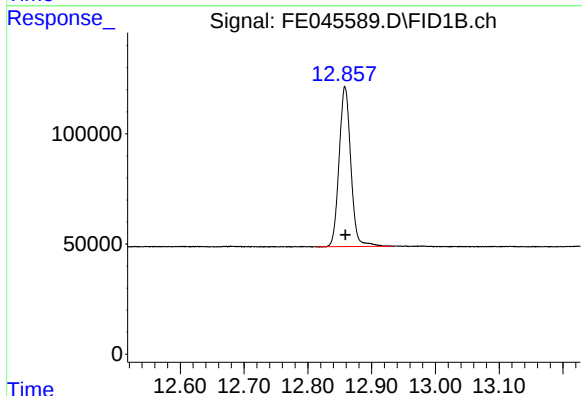
#9 ortho-Terphenyl (SURR)

R.T.: 11.859 min
Delta R.T.: 0.000 min
Response: 1116588
Conc: 5.43 ug/ml

Instrument :
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5 PPM ALIPHATIC HC STD5

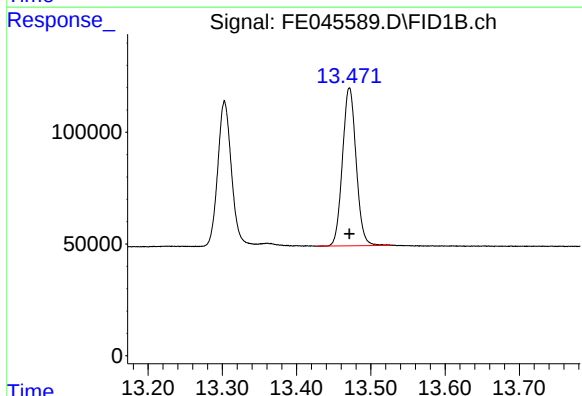
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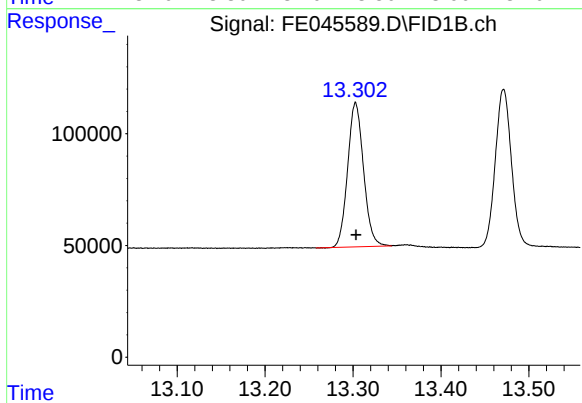
#10 n-Eicosane (C20)

R.T.: 12.858 min
Delta R.T.: 0.000 min
Response: 925198
Conc: 5.44 ug/ml



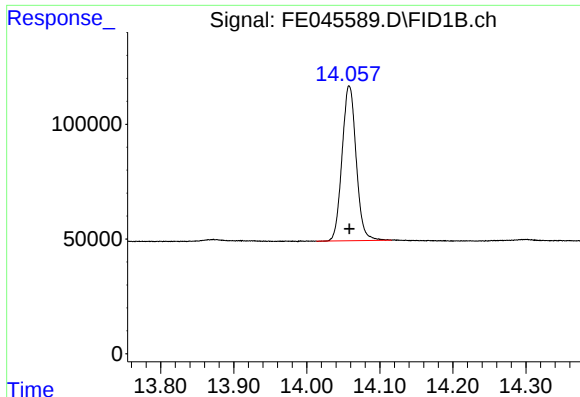
#11 n-Heneicosane (C21)

R.T.: 13.471 min
Delta R.T.: 0.000 min
Response: 902698
Conc: 5.31 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.303 min
Delta R.T.: 0.000 min
Response: 809291
Conc: 5.18 ug/ml



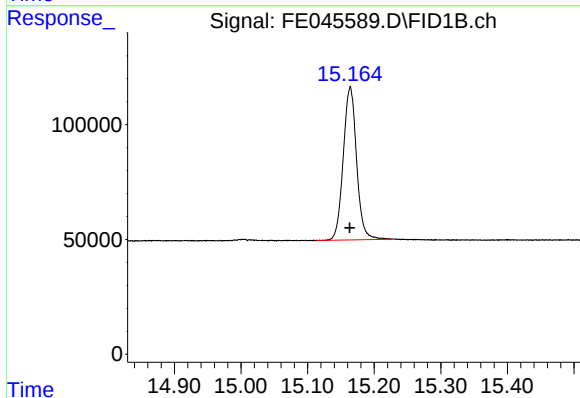
#13 n-Docosane (C22)

R.T.: 14.058 min
Delta R.T.: 0.000 min
Response: 906513
Conc: 5.33 ug/ml

Instrument :
FID_E
ClientSampleId :
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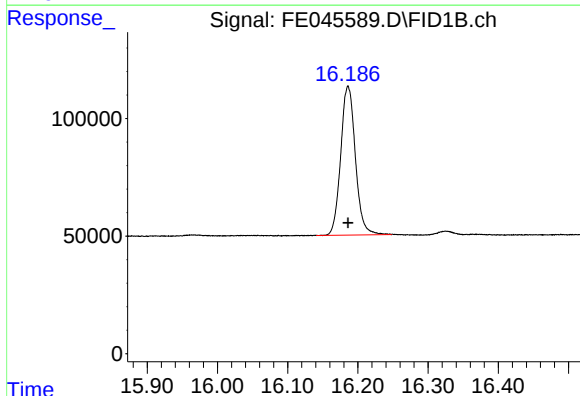
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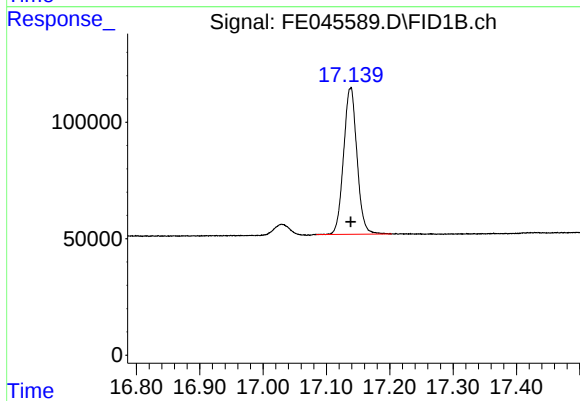
#14 n-Tetracosane (C24)

R.T.: 15.164 min
Delta R.T.: 0.000 min
Response: 924105
Conc: 5.37 ug/ml



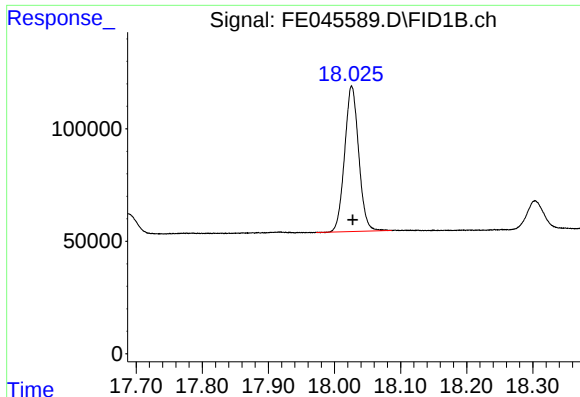
#15 n-Hexacosane (C26)

R.T.: 16.186 min
Delta R.T.: 0.000 min
Response: 920037
Conc: 5.36 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.138 min
Delta R.T.: 0.000 min
Response: 925258
Conc: 5.45 ug/ml



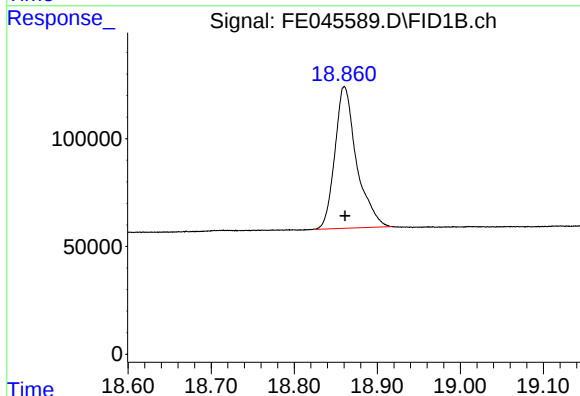
#17 n-Tricontane (C30)

R.T.: 18.026 min
Delta R.T.: -0.001 min
Response: 955373
Conc: 5.59 ug/ml

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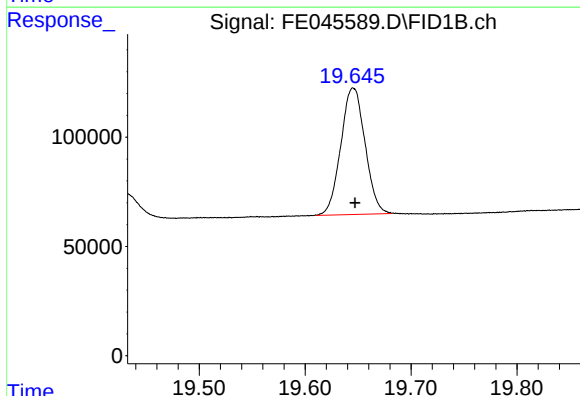
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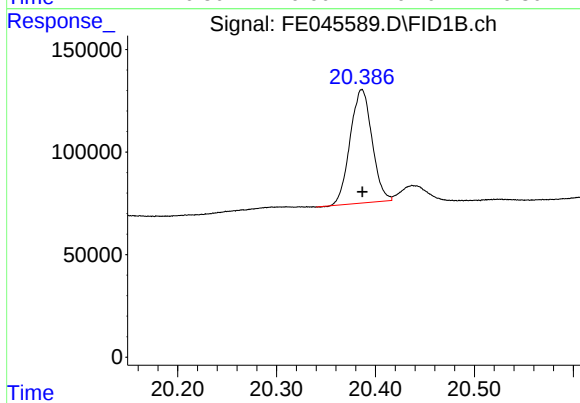
#18 n-Dotriacontane (C32)

R.T.: 18.860 min
Delta R.T.: -0.001 min
Response: 1193340
Conc: 7.09 ug/ml m



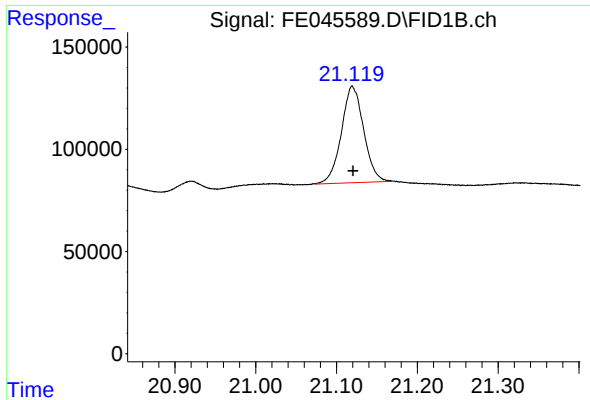
#19 n-Tetratriacontane (C34)

R.T.: 19.645 min
Delta R.T.: -0.002 min
Response: 921290
Conc: 5.71 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.386 min
Delta R.T.: 0.000 min
Response: 851417
Conc: 5.46 ug/ml



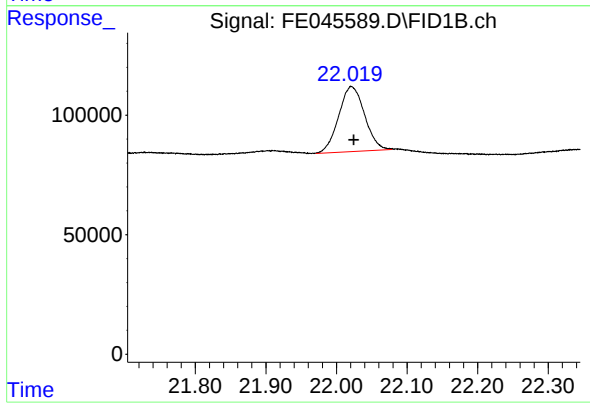
#21 n-Octatriacontane (C38)

R.T.: 21.119 min
Delta R.T.: -0.002 min
Response: 905460
Conc: 6.01 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.019 min
Delta R.T.: -0.005 min
Response: 693459
Conc: 4.74 ug/ml m