

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041223AL\
 Data File : FE041333.D
 Signal(s) : FID1B.ch
 Acq On : 12 Apr 2023 18:11
 Operator : YP\AJ
 Sample : 02213-07
 Misc : 2.5 PPM WATER LOD
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/13/2023
 Supervised By :Ankita Jodhani 04/13/2023

Integration File: autoint1.e
 Quant Time: Apr 13 07:35:37 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032523.M
 Quant Title : GC Extractables
 QLast Update : Sat Mar 25 06:32:15 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			
12) S 1-chlorooctadecane (S...	13.277	5783157	40.194 ug/ml
Spiked Amount 50.000		Recovery =	80.39%
Target Compounds			
1) T n-Nonane (C9)	3.239	186091	1.072 ug/ml
2) T n-Decane (C10)	4.486	226663	1.332 ug/ml
4) T n-Dodecane (C12)	6.649	280984	1.620 ug/ml
6) T n-Tetradecane (C14)	8.474	309104	1.773 ug/mlm
7) T n-Hexadecane (C16)	10.081	318669	1.792 ug/mlm
8) T n-Octadecane (C18)	11.521	375697	2.104 ug/ml
10) T n-Eicosane (C20)	12.831	377278	2.212 ug/ml
11) T n-Heneicosane (C21)	13.442	327901	1.938 ug/ml
13) T n-Docosane (C22)	14.028	378459	2.287 ug/ml
14) T n-Tetracosane (C24)	15.132	375553	2.321 ug/ml
15) T n-Hexacosane (C26)	16.154	354993	2.290 ug/ml
16) T n-Octacosane (C28)	17.104	362412	2.366 ug/ml
17) T n-Tricontane (C30)	17.993	368593	2.411 ug/ml
18) T n-Dotriacontane (C32)	18.826	402116	2.576 ug/mlm
19) T n-Tetratriacontane (C34)	19.611	368645	2.379 ug/mlm
20) T n-Hexatriacontane (C36)	20.352	329032	2.166 ug/mlm
21) T n-Octatriacontane (C38)	21.076	329789	2.111 ug/mlm
22) T n-Tetracontane (C40)	21.953	348528	2.184 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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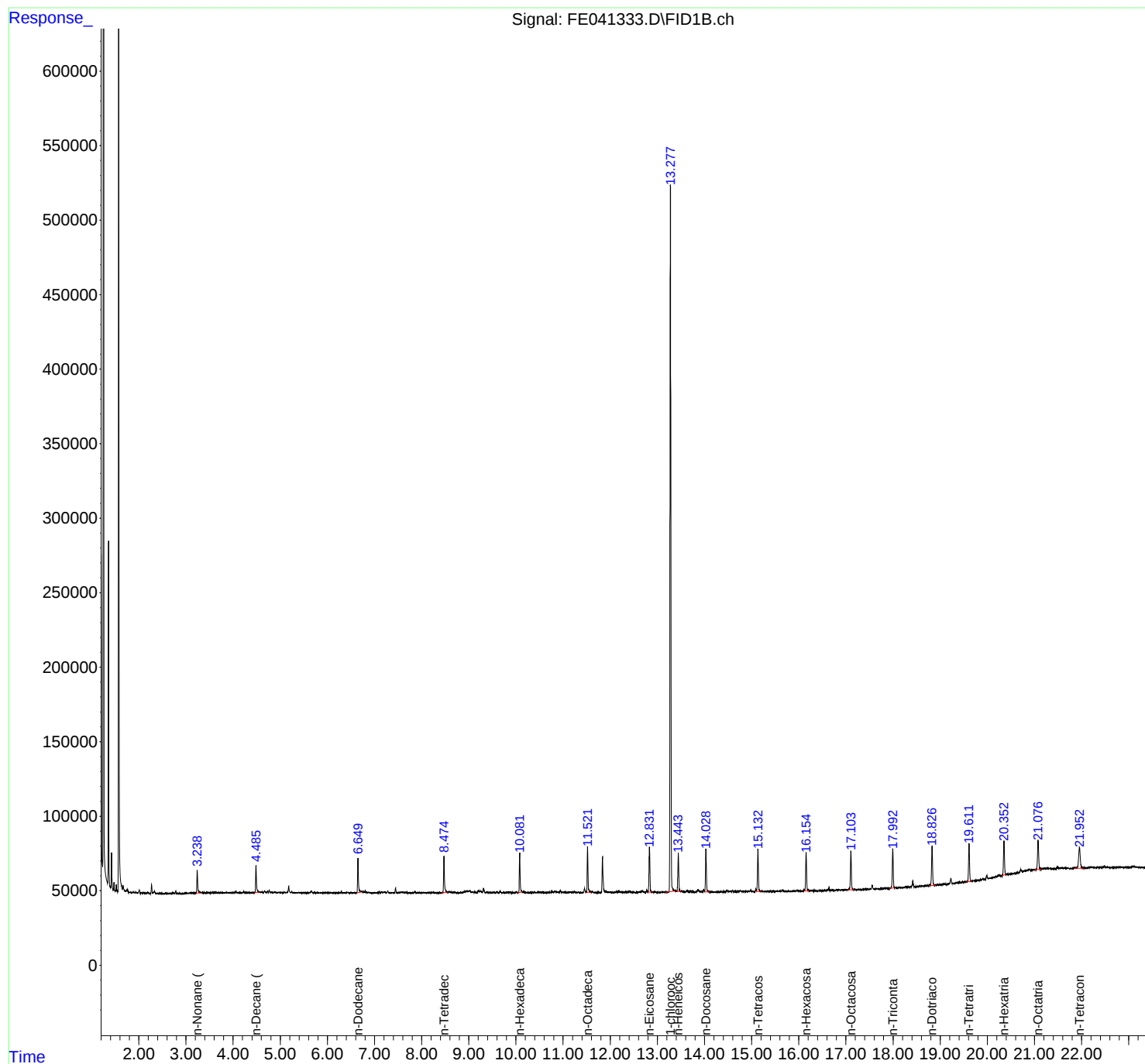
Response via : Initial Calibration

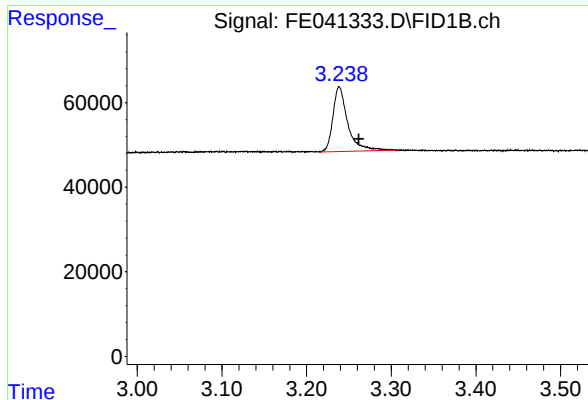
Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um





#1 n-Nonane (C9)

R.T.: 3.239 min
Delta R.T.: -0.023 min
Response: 186091
Conc: 1.07 ug/ml

Instrument :

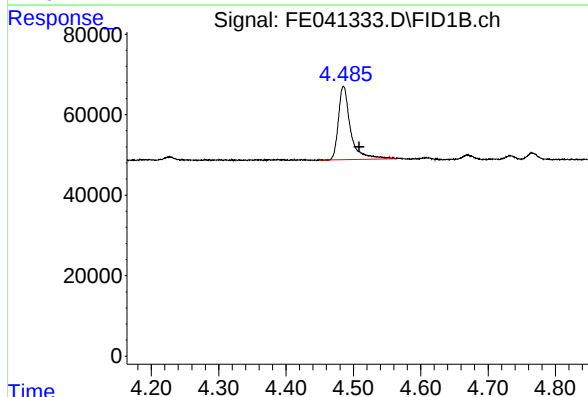
FID_E

ClientSampleId :

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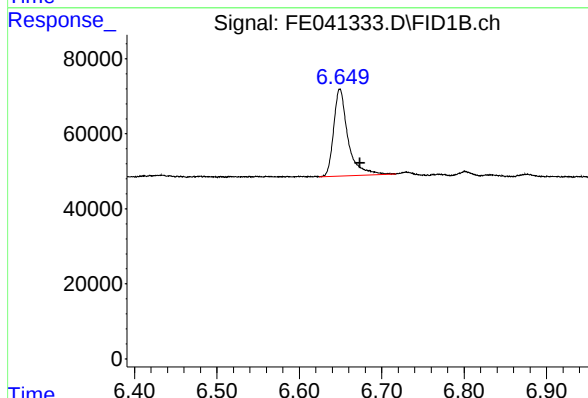
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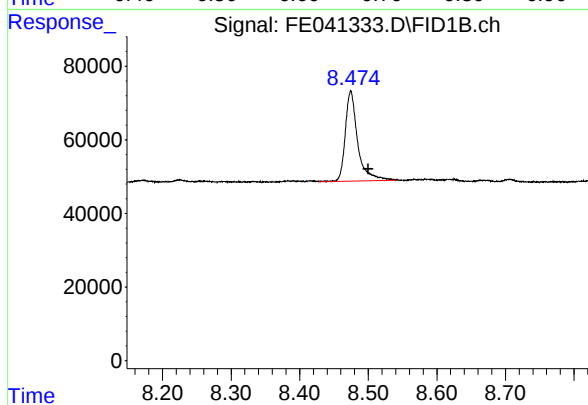
#2 n-Decane (C10)

R.T.: 4.486 min
Delta R.T.: -0.023 min
Response: 226663
Conc: 1.33 ug/ml



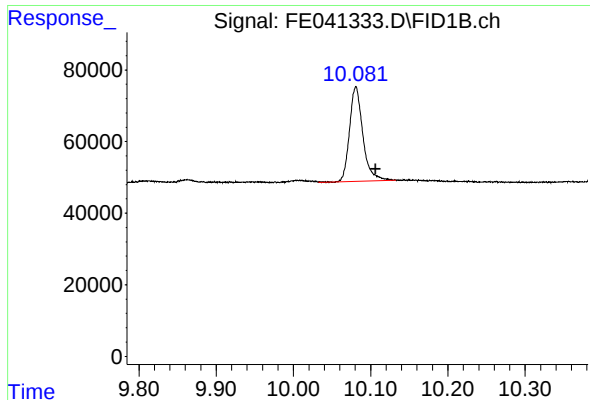
#4 n-Dodecane (C12)

R.T.: 6.649 min
Delta R.T.: -0.024 min
Response: 280984
Conc: 1.62 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.474 min
Delta R.T.: -0.026 min
Response: 309104
Conc: 1.77 ug/ml m



#7 n-Hexadecane (C16)

R.T.: 10.081 min
Delta R.T.: -0.026 min
Response: 318669
Conc: 1.79 ug/ml

Instrument :

FID_E

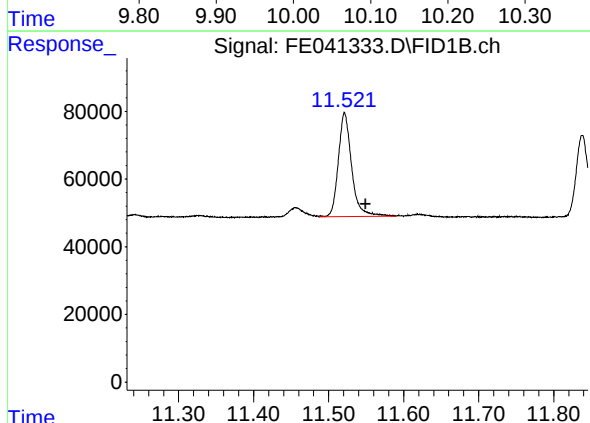
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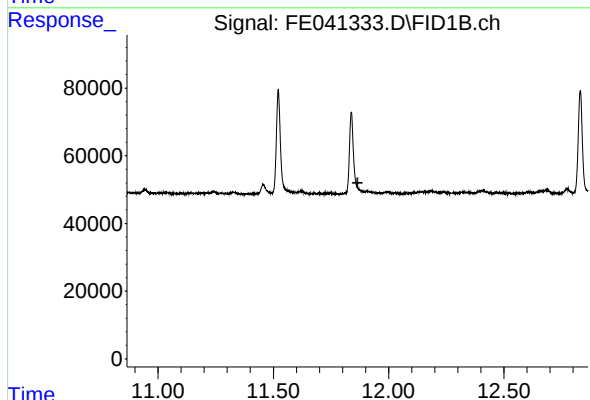
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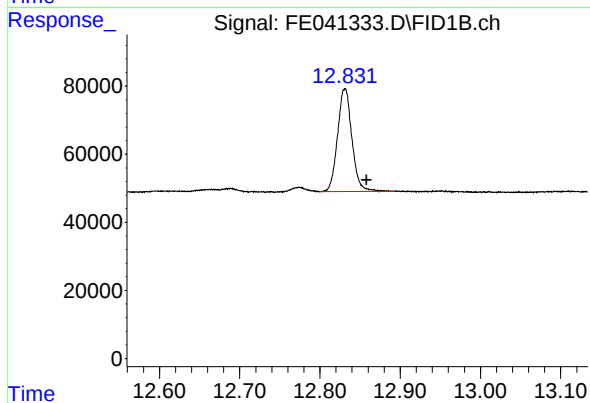
#8 n-Octadecane (C18)

R.T.: 11.521 min
Delta R.T.: -0.028 min
Response: 375697
Conc: 2.10 ug/ml



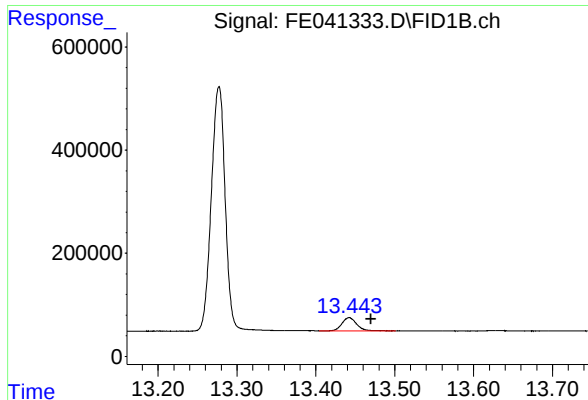
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.865 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.831 min
Delta R.T.: -0.027 min
Response: 377278
Conc: 2.21 ug/ml



#11 n-Heneicosane (C21)

R.T.: 13.442 min
Delta R.T.: -0.028 min
Response: 327901
Conc: 1.94 ug/ml

Instrument :

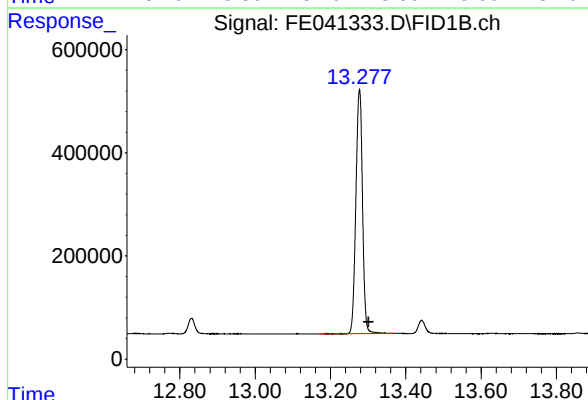
FID_E

ClientSampleId :

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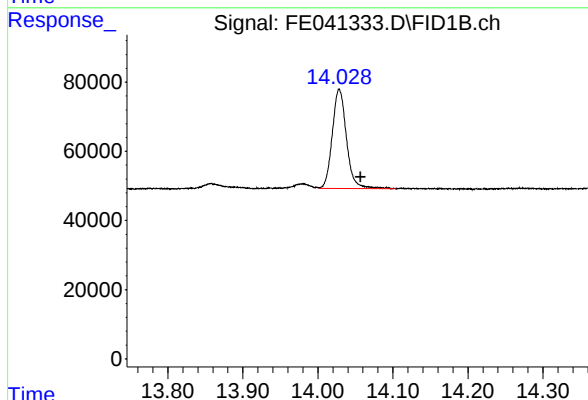
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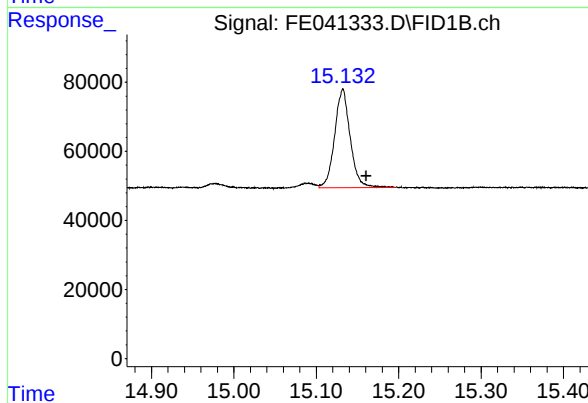
#12 1-chlorooctadecane (SURR)

R.T.: 13.277 min
Delta R.T.: -0.025 min
Response: 5783157
Conc: 40.19 ug/ml



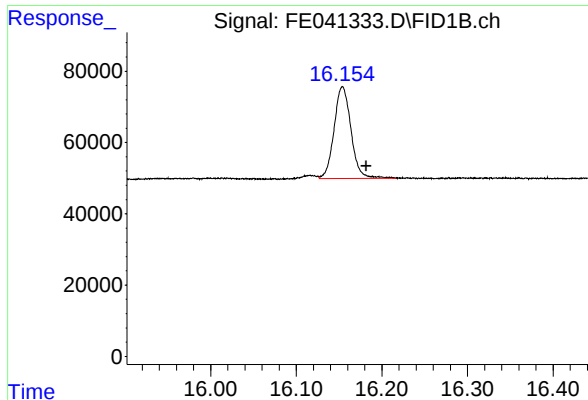
#13 n-Docosane (C22)

R.T.: 14.028 min
Delta R.T.: -0.029 min
Response: 378459
Conc: 2.29 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.132 min
Delta R.T.: -0.029 min
Response: 375553
Conc: 2.32 ug/ml



#15 n-Hexacosane (C26)

R.T.: 16.154 min
Delta R.T.: -0.028 min
Response: 354993
Conc: 2.29 ug/ml

Instrument :

FID_E

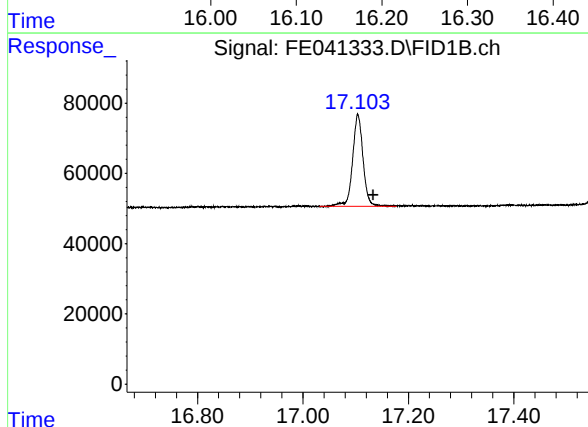
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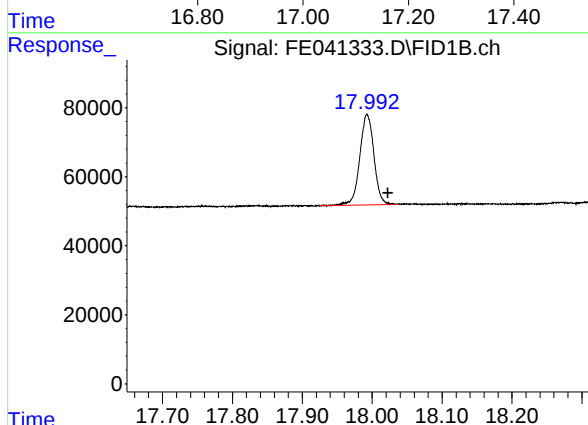
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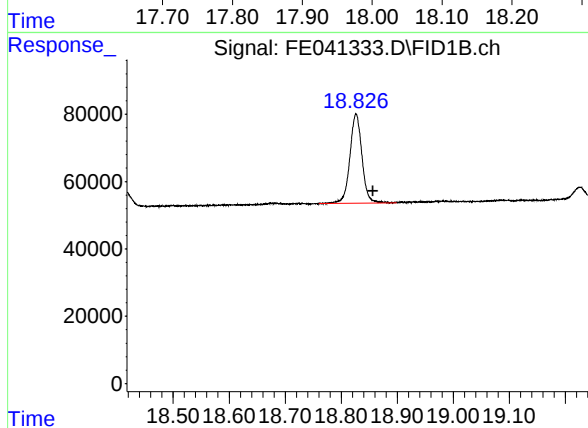
#16 n-Octacosane (C28)

R.T.: 17.104 min
Delta R.T.: -0.029 min
Response: 362412
Conc: 2.37 ug/ml



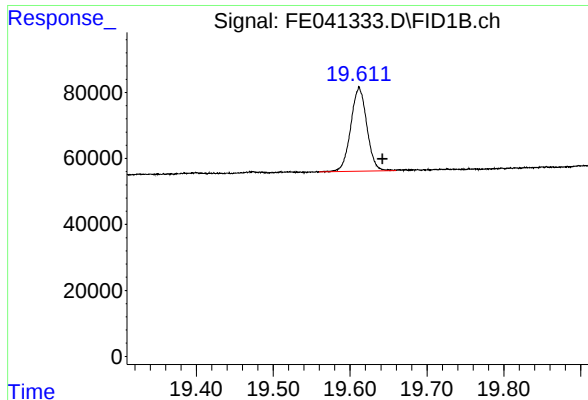
#17 n-Tricontane (C30)

R.T.: 17.993 min
Delta R.T.: -0.030 min
Response: 368593
Conc: 2.41 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.826 min
Delta R.T.: -0.031 min
Response: 402116
Conc: 2.58 ug/ml m



#19 n-Tetratriacontane (C34)

R.T.: 19.611 min
Delta R.T.: -0.031 min
Response: 368645
Conc: 2.38 ug/ml

Instrument :

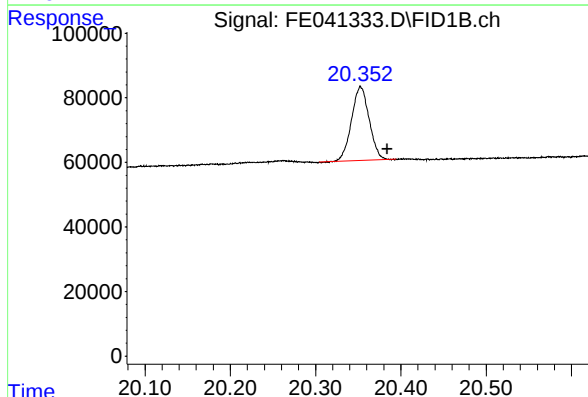
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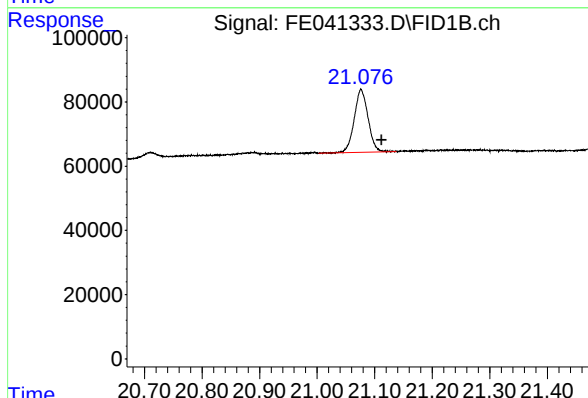
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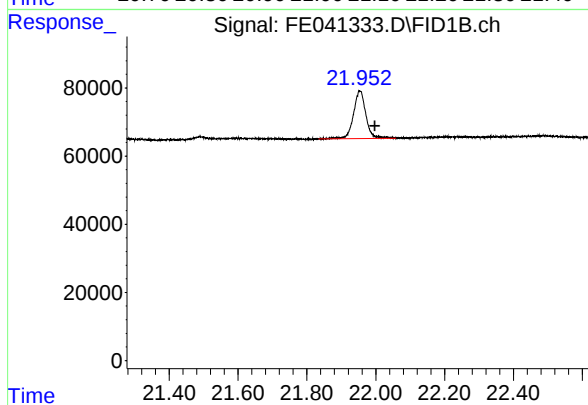
#20 n-Hexatriacontane (C36)

R.T.: 20.352 min
Delta R.T.: -0.032 min
Response: 329032
Conc: 2.17 ug/ml m



#21 n-Octatriacontane (C38)

R.T.: 21.076 min
Delta R.T.: -0.037 min
Response: 329789
Conc: 2.11 ug/ml m



#22 n-Tetracontane (C40)

R.T.: 21.953 min
Delta R.T.: -0.045 min
Response: 348528
Conc: 2.18 ug/ml