

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101123AL\
 Data File : FD046730.D
 Signal(s) : FID2B.ch
 Acq On : 11 Oct 2023 00:52
 Operator : YP/AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :Ankita Jodhani 10/11/2023

Integration File: autoint1.e
 Quant Time: Oct 11 04:19:45 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 101023.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 11 04:12:57 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)	11.377	1143287	5.429 ug/ml
Spiked Amount 50.000		Recovery =	10.86%
12) S 1-chlorooctadecane (S...	12.812	842730	5.358 ug/ml
Spiked Amount 50.000		Recovery =	10.72%
Target Compounds			
1) T n-Nonane (C9)	3.214	880965	5.475 ug/ml
2) T n-Decane (C10)	4.267	881769	5.427 ug/ml
3) T A~Naphthalene (C11.7)	5.827	968151	5.378 ug/ml
4) T n-Dodecane (C12)	6.268	893321	5.429 ug/ml
5) T A~2-methylnaphthalene...	6.874	934458	5.284 ug/ml
6) T n-Tetradecane (C14)	8.051	887521	5.415 ug/ml
7) T n-Hexadecane (C16)	9.642	907164	5.379 ug/ml
8) T n-Octadecane (C18)	11.074	936151	5.389 ug/ml
10) T n-Eicosane (C20)	12.374	935264	5.406 ug/ml
11) T n-Heneicosane (C21)	12.982	939127	5.426 ug/ml
13) T n-Docosane (C22)	13.564	932710	5.398 ug/ml
14) T n-Tetracosane (C24)	14.657	944314	5.447 ug/ml
15) T n-Hexacosane (C26)	15.671	904963	5.402 ug/ml
16) T n-Octacosane (C28)	16.614	864267	5.377 ug/ml
17) T n-Tricontane (C30)	17.495	852949	5.423 ug/ml
18) T n-Dotriacontane (C32)	18.321	825482	5.466 ug/ml
19) T n-Tetratriacontane (C34)	19.098	771799	5.441 ug/ml
20) T n-Hexatriacontane (C36)	19.831	742634	5.452 ug/ml
21) T n-Octatriacontane (C38)	20.530	699972	5.382 ug/mlm
22) T n-Tetracontane (C40)	21.341	658135	5.269 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Acq On : 11 Oct 2023 00:52
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

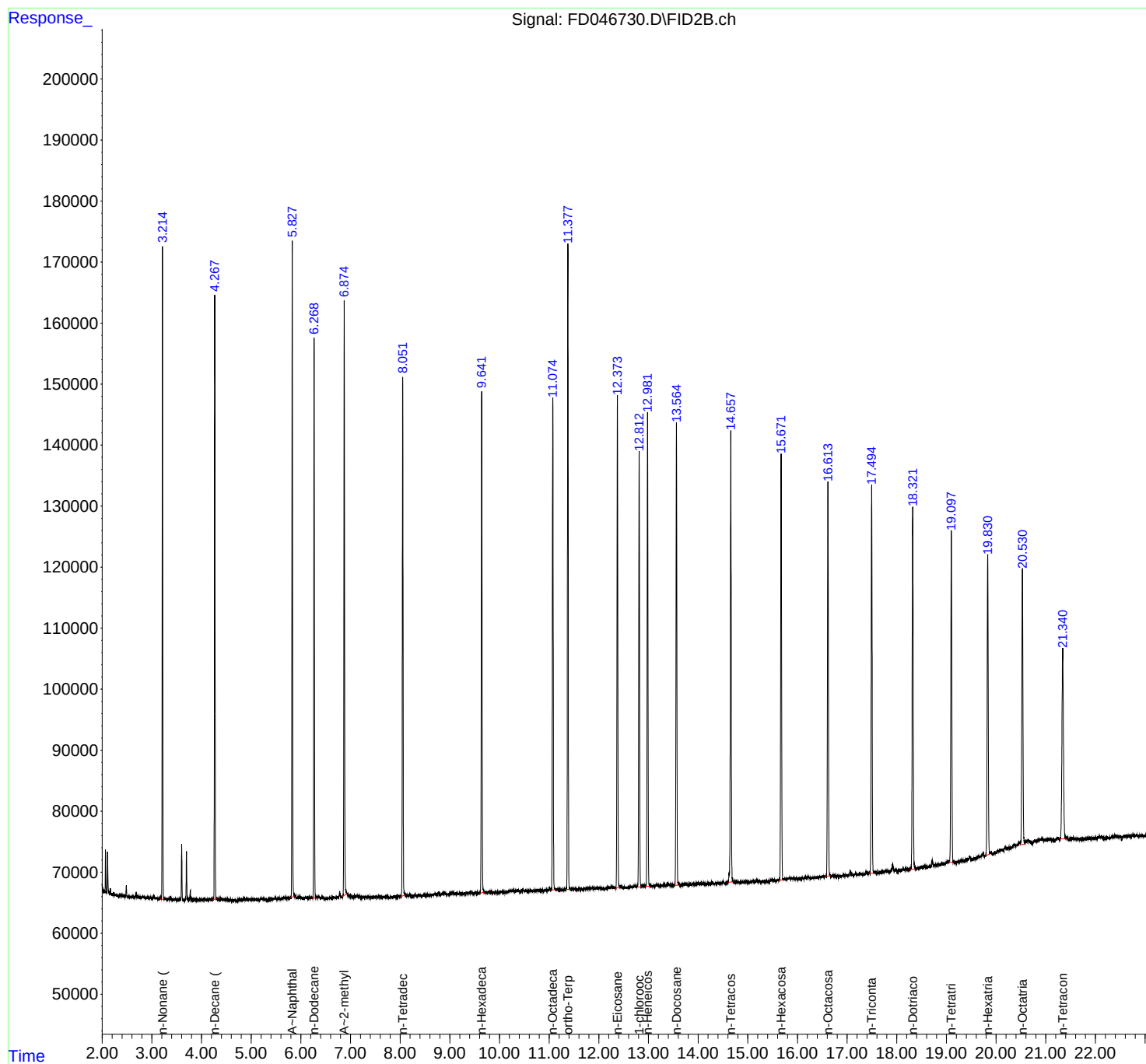
Instrument :
FID_D
ClientSampleId :
5 PPM ALIPHATIC HC STD5

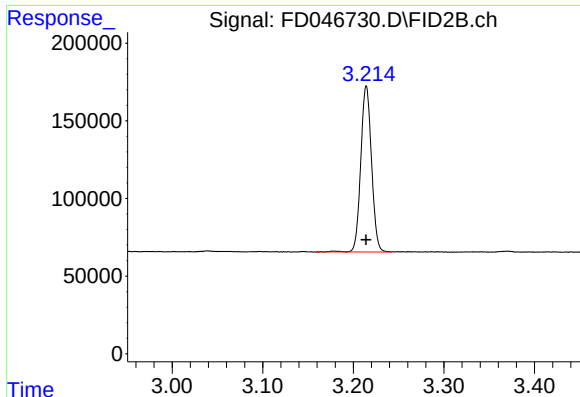
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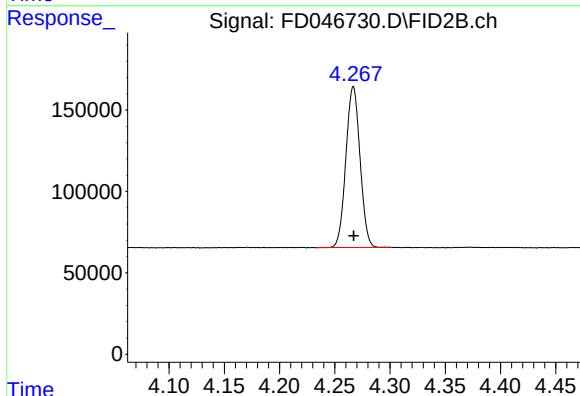
#1 n-Nonane (C9)

R.T.: 3.214 min
Delta R.T.: 0.000 min
Response: 880965
Conc: 5.48 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM ALIPHATIC HC STD5

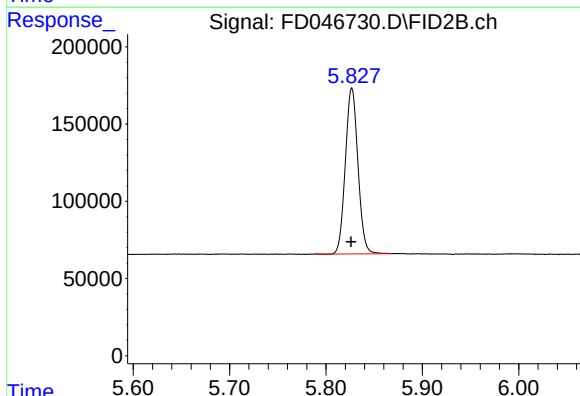
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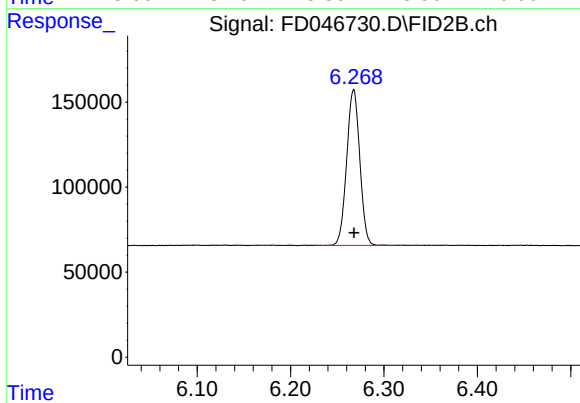
#2 n-Decane (C10)

R.T.: 4.267 min
Delta R.T.: 0.000 min
Response: 881769
Conc: 5.43 ug/ml



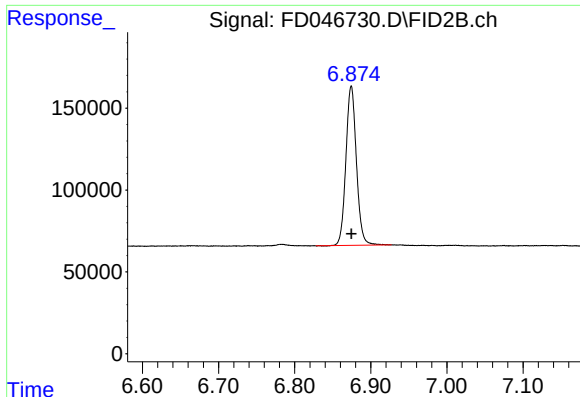
#3 A~Naphthalene (C11.7)

R.T.: 5.827 min
Delta R.T.: 0.000 min
Response: 968151
Conc: 5.38 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.268 min
Delta R.T.: 0.000 min
Response: 893321
Conc: 5.43 ug/ml



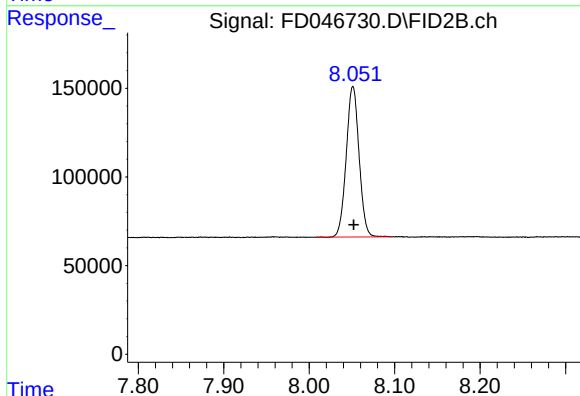
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.874 min
Delta R.T.: 0.000 min
Response: 934458
Conc: 5.28 ug/ml

Instrument :
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ClientSampleId :
5 PPM ALIPHATIC HC STD5

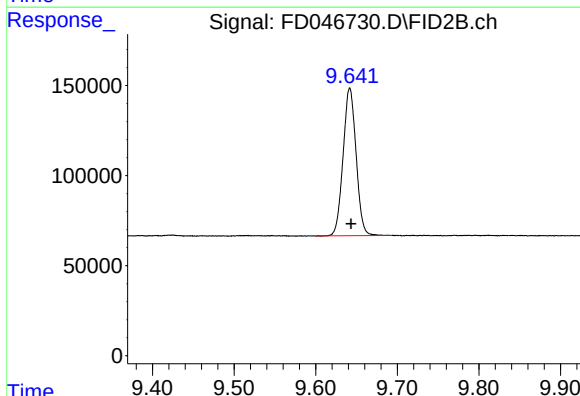
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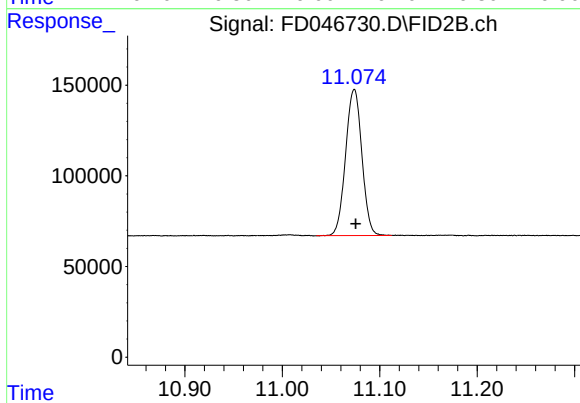
#6 n-Tetradecane (C14)

R.T.: 8.051 min
Delta R.T.: 0.000 min
Response: 887521
Conc: 5.42 ug/ml



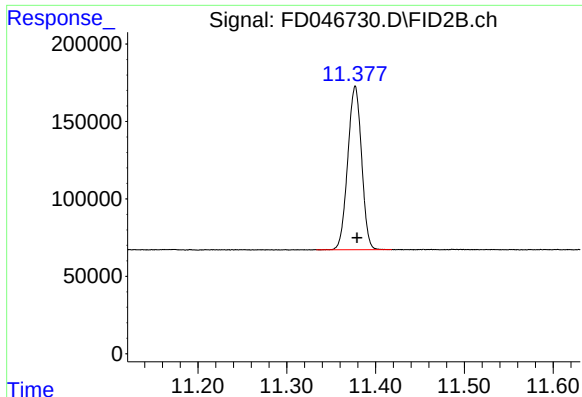
#7 n-Hexadecane (C16)

R.T.: 9.642 min
Delta R.T.: -0.002 min
Response: 907164
Conc: 5.38 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.074 min
Delta R.T.: -0.001 min
Response: 936151
Conc: 5.39 ug/ml



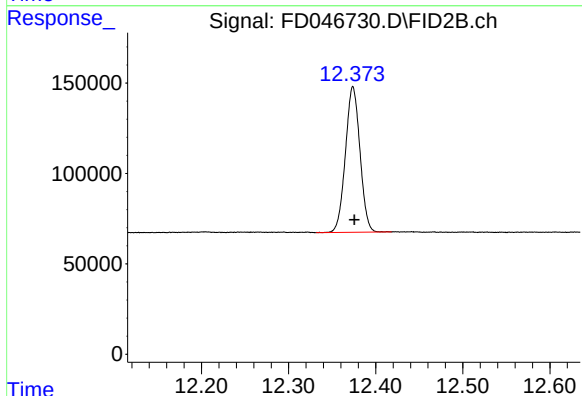
#9 ortho-Terphenyl (SURR)

R.T.: 11.377 min
Delta R.T.: -0.002 min
Response: 1143287
Conc: 5.43 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM ALIPHATIC HC STD5

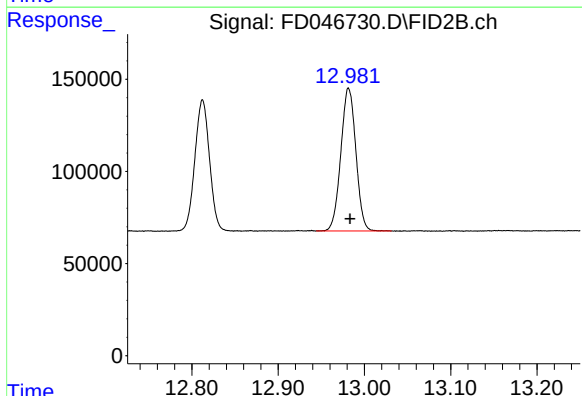
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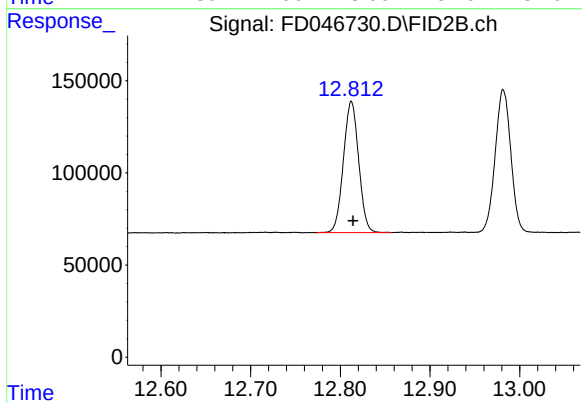
#10 n-Eicosane (C20)

R.T.: 12.374 min
Delta R.T.: -0.002 min
Response: 935264
Conc: 5.41 ug/ml



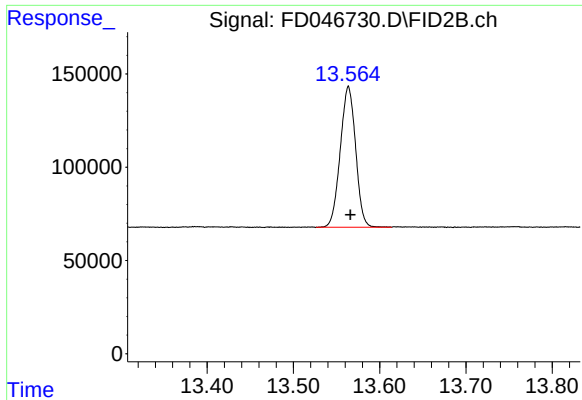
#11 n-Heneicosane (C21)

R.T.: 12.982 min
Delta R.T.: -0.002 min
Response: 939127
Conc: 5.43 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.812 min
Delta R.T.: -0.002 min
Response: 842730
Conc: 5.36 ug/ml



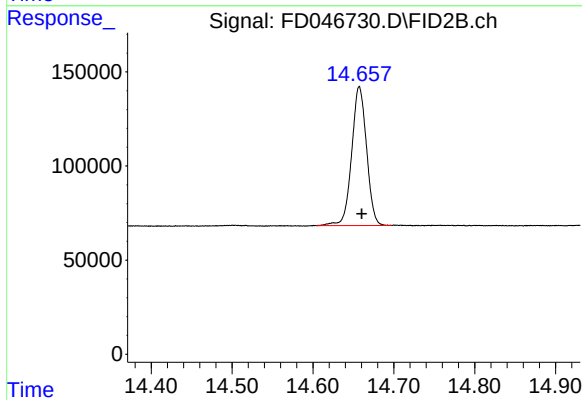
#13 n-Docosane (C22)

R.T.: 13.564 min
Delta R.T.: -0.002 min
Response: 932710
Conc: 5.40 ug/ml

Instrument :
FID_D
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5 PPM ALIPHATIC HC STD5

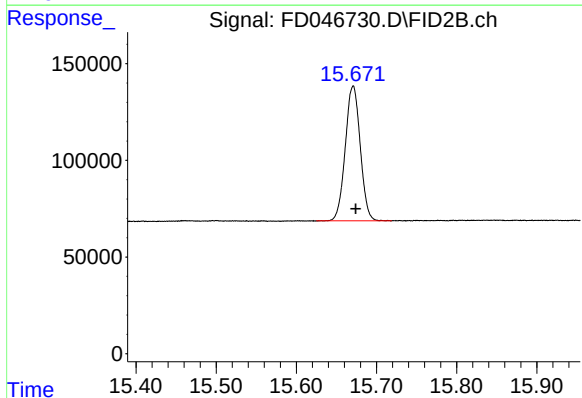
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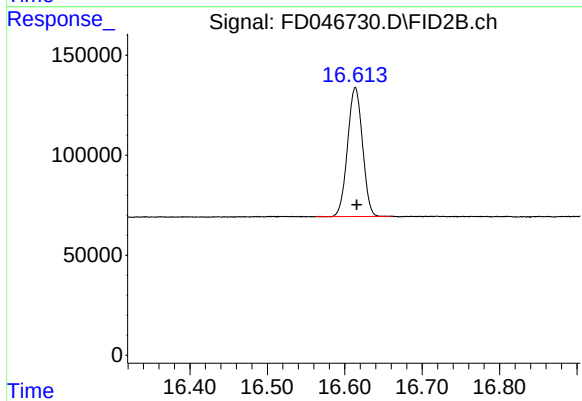
#14 n-Tetracosane (C24)

R.T.: 14.657 min
Delta R.T.: -0.003 min
Response: 944314
Conc: 5.45 ug/ml



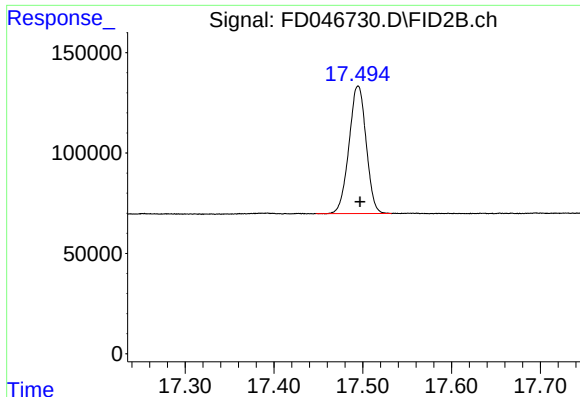
#15 n-Hexacosane (C26)

R.T.: 15.671 min
Delta R.T.: -0.003 min
Response: 904963
Conc: 5.40 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.614 min
Delta R.T.: -0.002 min
Response: 864267
Conc: 5.38 ug/ml



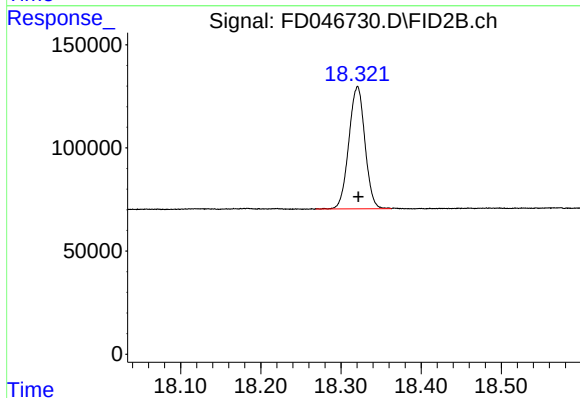
#17 n-Tricontane (C30)

R.T.: 17.495 min
Delta R.T.: -0.002 min
Response: 852949
Conc: 5.42 ug/ml

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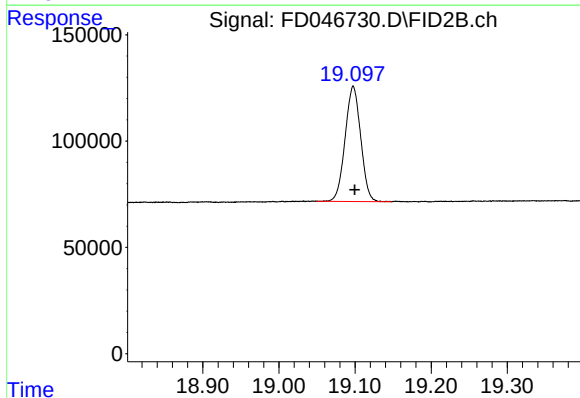
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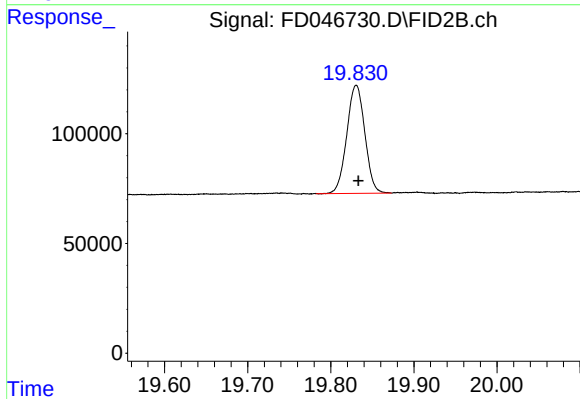
#18 n-Dotriacontane (C32)

R.T.: 18.321 min
Delta R.T.: 0.000 min
Response: 825482
Conc: 5.47 ug/ml



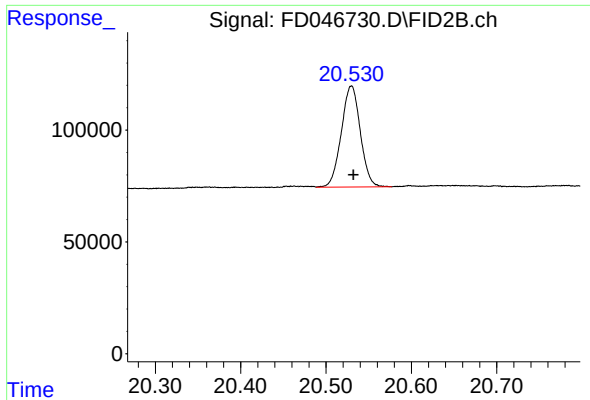
#19 n-Tetratriacontane (C34)

R.T.: 19.098 min
Delta R.T.: -0.002 min
Response: 771799
Conc: 5.44 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.831 min
Delta R.T.: -0.003 min
Response: 742634
Conc: 5.45 ug/ml



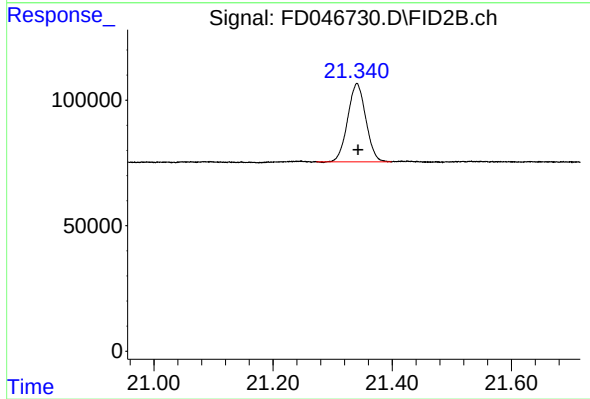
#21 n-Octatriacontane (C38)

R.T.: 20.530 min
Delta R.T.: -0.002 min
Response: 699972
Conc: 5.38 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.341 min
Delta R.T.: -0.002 min
Response: 658135
Conc: 5.27 ug/ml