

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD040723AL\
 Data File : FD045451.D
 Signal(s) : FID2B.ch
 Acq On : 08 Apr 2023 08:04
 Operator : YP/AJ
 Sample : 02213-01
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/10/2023
 Supervised By :Ankita Jodhani 04/10/2023

Integration File: autoint1.e
 Quant Time: Apr 10 04:17:25 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 040523.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 05 05:57:21 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...	12.875	5195158	43.497 ug/ml
Spiked Amount 50.000		Recovery =	86.99%
Target Compounds			
1) T n-Nonane (C9)	3.261	317426	2.084 ug/ml
2) T n-Decane (C10)	4.318	387585	2.568 ug/ml
4) T n-Dodecane (C12)	6.322	496499	3.254 ug/ml
6) T n-Tetradecane (C14)	8.108	451034	2.947 ug/ml
7) T n-Hexadecane (C16)	9.699	494257	3.174 ug/ml
8) T n-Octadecane (C18)	11.131	567323	3.622 ug/ml
10) T n-Eicosane (C20)	12.432	512153	3.454 ug/ml
11) T n-Heneicosane (C21)	13.040	499281	3.393 ug/ml
13) T n-Docosane (C22)	13.623	516811	3.581 ug/ml
14) T n-Tetracosane (C24)	14.718	513585	3.680 ug/mlm
15) T n-Hexacosane (C26)	15.733	491657	3.659 ug/ml
16) T n-Octacosane (C28)	16.674	485479	3.692 ug/ml
17) T n-Tricontane (C30)	17.556	491449	3.771 ug/ml
18) T n-Dotriacontane (C32)	18.382	497306	3.822 ug/ml
19) T n-Tetratriacontane (C34)	19.158	461255	3.692 ug/ml
20) T n-Hexatriacontane (C36)	19.892	396567	3.457 ug/ml
21) T n-Octatriacontane (C38)	20.595	350254	3.192 ug/ml
22) T n-Tetracontane (C40)	21.428	301173	2.807 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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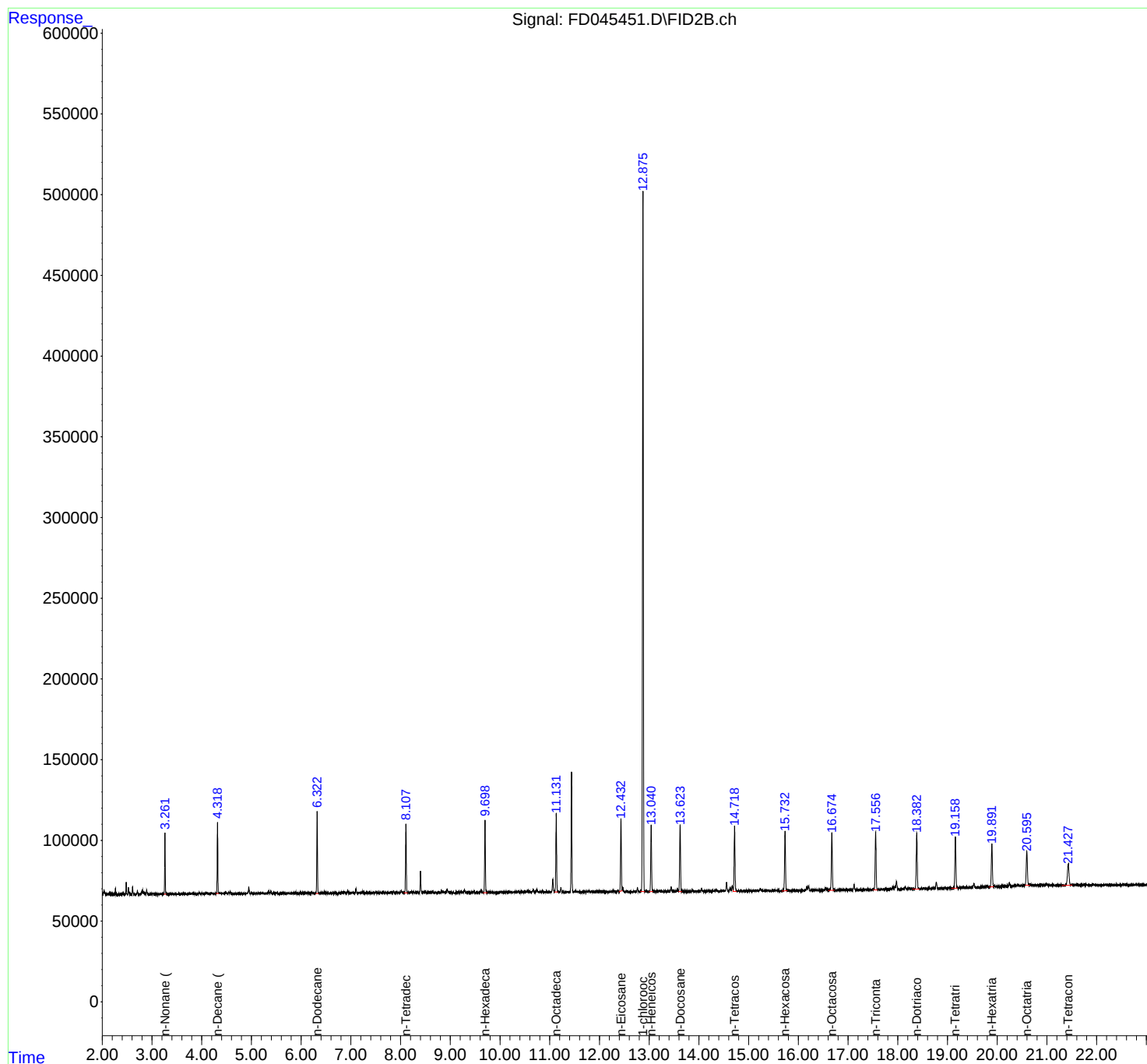
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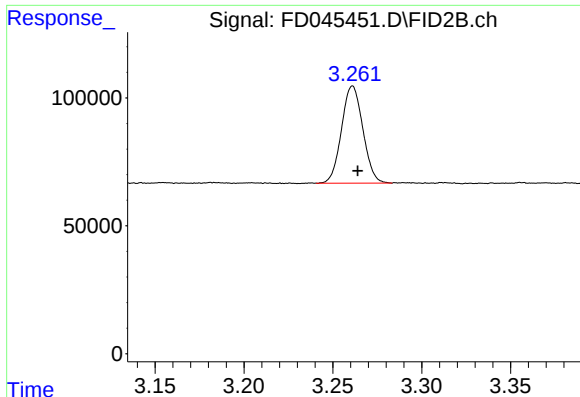
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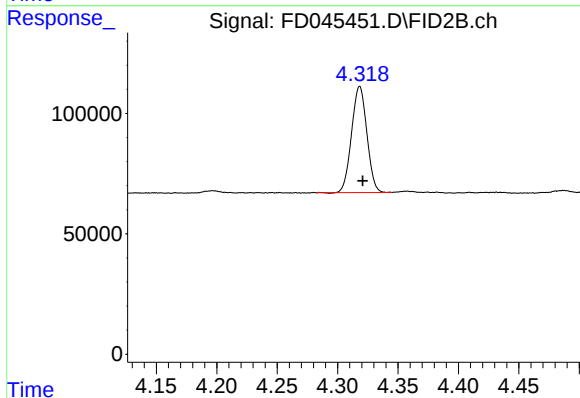
#1 n-Nonane (C9)

R.T.: 3.261 min
Delta R.T.: -0.003 min
Response: 317426
Conc: 2.08 ug/ml

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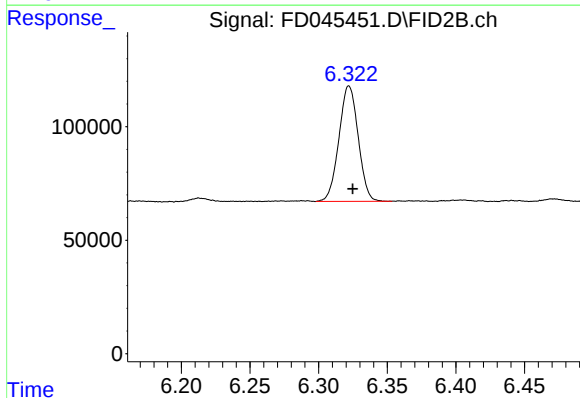
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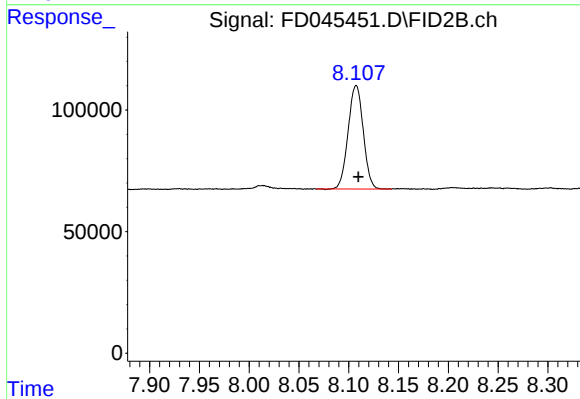
#2 n-Decane (C10)

R.T.: 4.318 min
Delta R.T.: -0.002 min
Response: 387585
Conc: 2.57 ug/ml



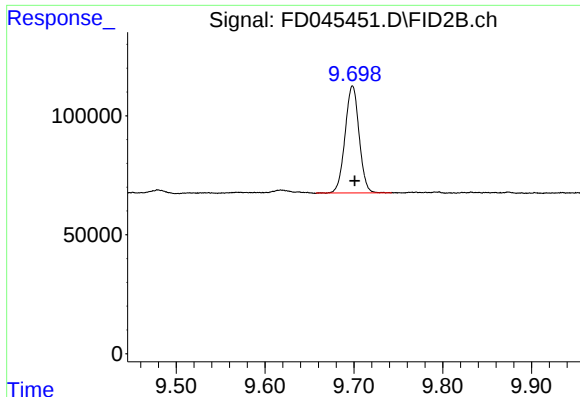
#4 n-Dodecane (C12)

R.T.: 6.322 min
Delta R.T.: -0.003 min
Response: 496499
Conc: 3.25 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.108 min
Delta R.T.: -0.002 min
Response: 451034
Conc: 2.95 ug/ml



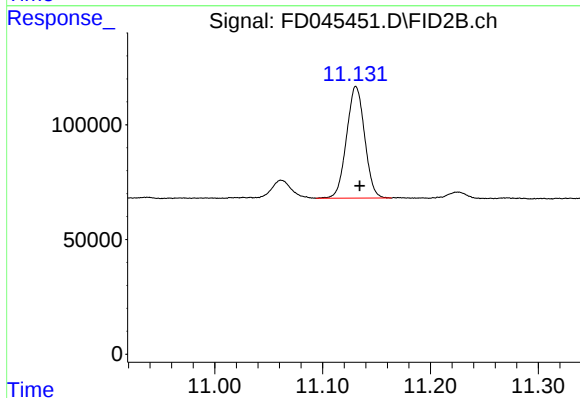
#7 n-Hexadecane (C16)

R.T.: 9.699 min
Delta R.T.: -0.002 min
Response: 494257
Conc: 3.17 ug/ml

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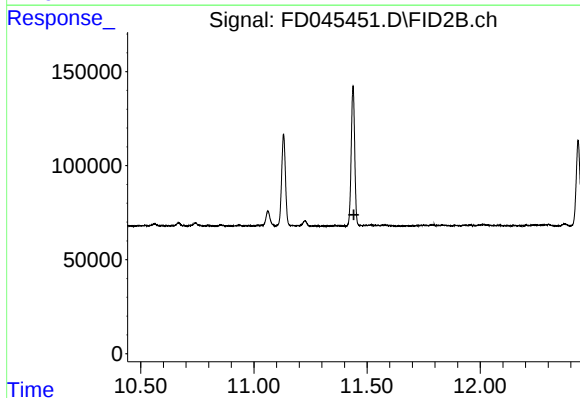
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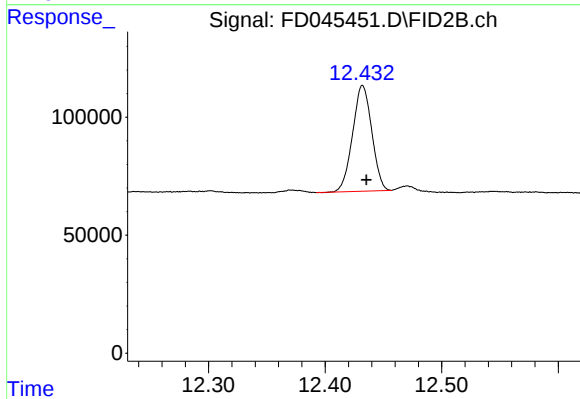
#8 n-Octadecane (C18)

R.T.: 11.131 min
Delta R.T.: -0.003 min
Response: 567323
Conc: 3.62 ug/ml



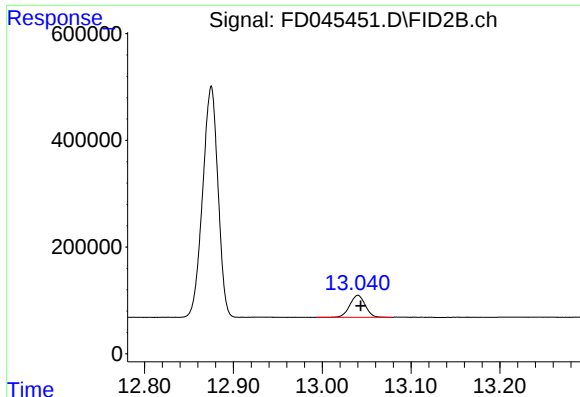
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.442 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.432 min
Delta R.T.: -0.003 min
Response: 512153
Conc: 3.45 ug/ml



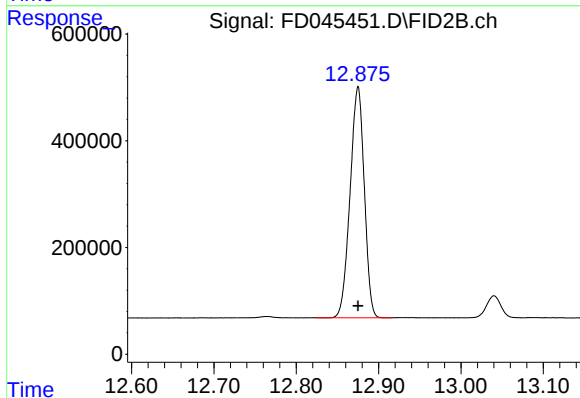
#11 n-Heneicosane (C21)

R.T.: 13.040 min
Delta R.T.: -0.003 min
Response: 499281
Conc: 3.39 ug/ml

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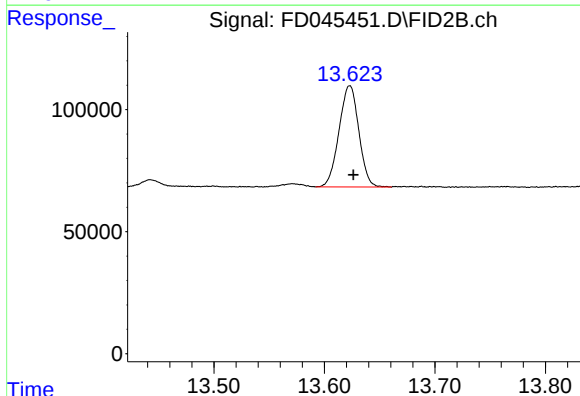
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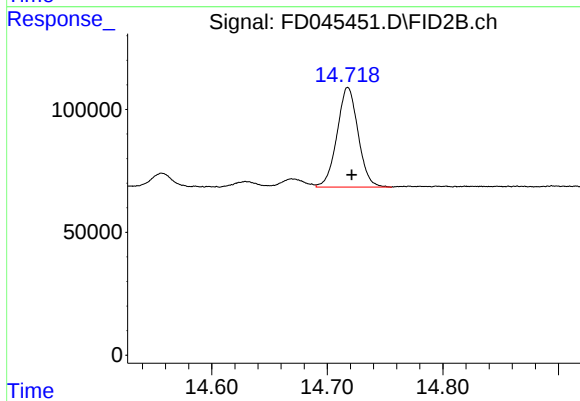
#12 1-chlorooctadecane (SURR)

R.T.: 12.875 min
Delta R.T.: 0.000 min
Response: 5195158
Conc: 43.50 ug/ml



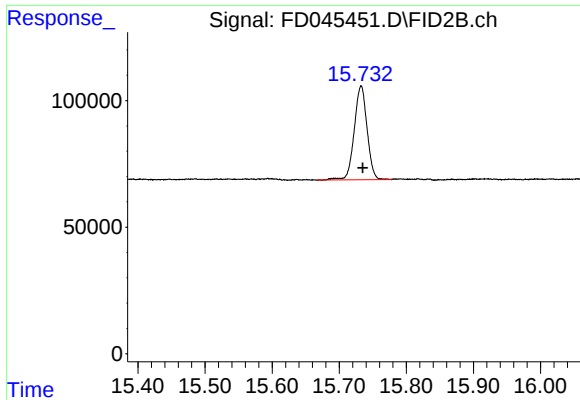
#13 n-Docosane (C22)

R.T.: 13.623 min
Delta R.T.: -0.003 min
Response: 516811
Conc: 3.58 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.718 min
Delta R.T.: -0.003 min
Response: 513585
Conc: 3.68 ug/ml m



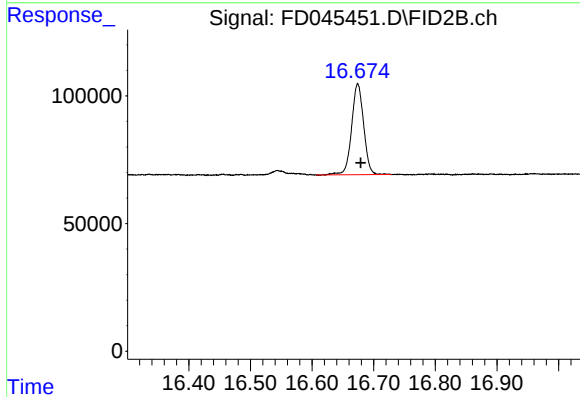
#15 n-Hexacosane (C26)

R.T.: 15.733 min
Delta R.T.: -0.002 min
Response: 491657
Conc: 3.66 ug/ml

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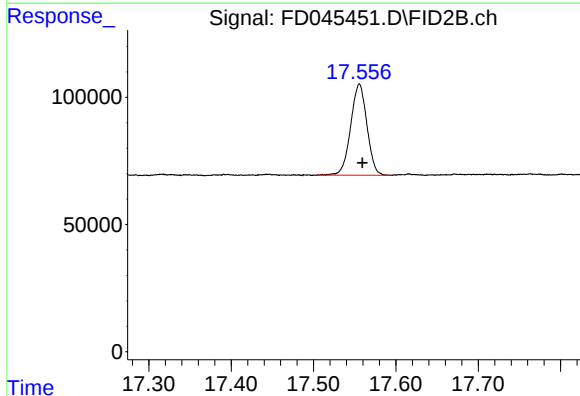
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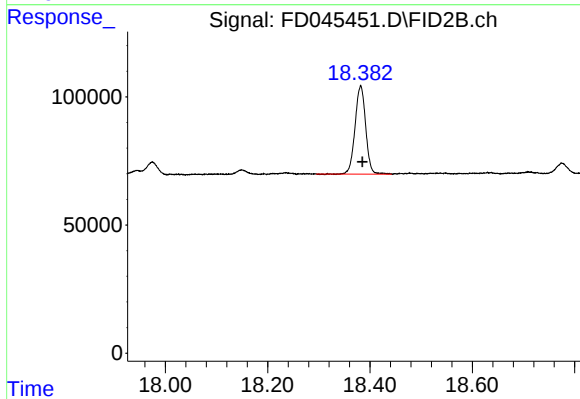
#16 n-Octacosane (C28)

R.T.: 16.674 min
Delta R.T.: -0.005 min
Response: 485479
Conc: 3.69 ug/ml



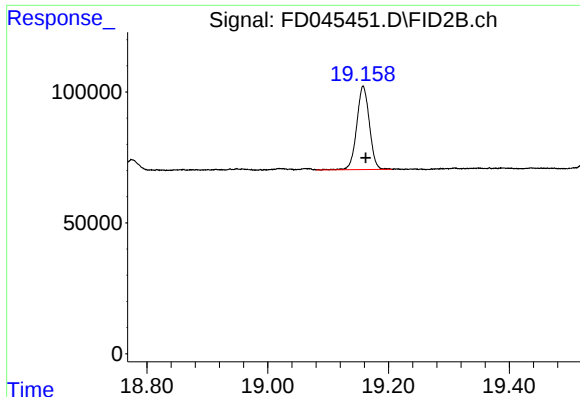
#17 n-Tricontane (C30)

R.T.: 17.556 min
Delta R.T.: -0.004 min
Response: 491449
Conc: 3.77 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.382 min
Delta R.T.: -0.003 min
Response: 497306
Conc: 3.82 ug/ml



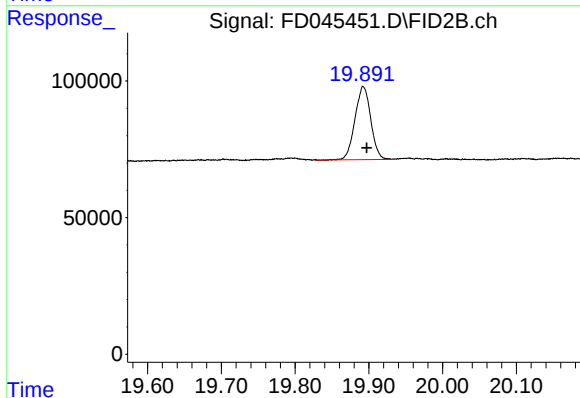
#19 n-Tetratriacontane (C34)

R.T.: 19.158 min
Delta R.T.: -0.004 min
Response: 461255
Conc: 3.69 ug/ml

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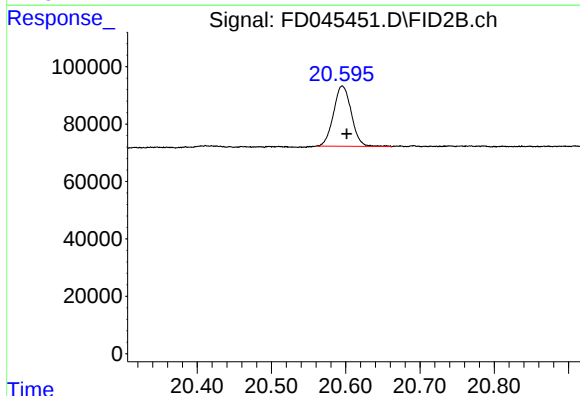
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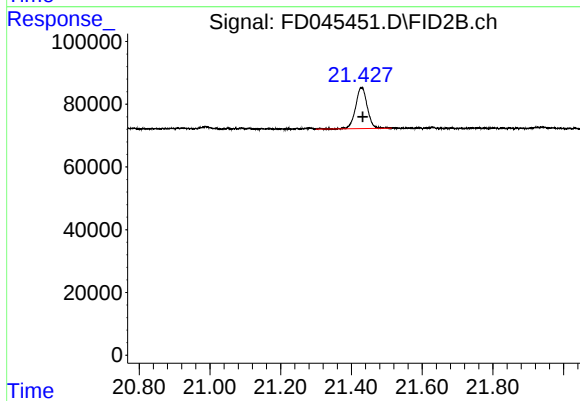
#20 n-Hexatriacontane (C36)

R.T.: 19.892 min
Delta R.T.: -0.005 min
Response: 396567
Conc: 3.46 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.595 min
Delta R.T.: -0.006 min
Response: 350254
Conc: 3.19 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.428 min
Delta R.T.: -0.004 min
Response: 301173
Conc: 2.81 ug/ml