

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020824AL\
 Data File : FD047223.D
 Signal(s) : FID2B.ch
 Acq On : 09 Feb 2024 11:47
 Operator : YP/AJ
 Sample : P1187-08
 Misc : AL LOQ 5 PPM
 ALS Vial : 69 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 LOQ-WATER-02-QT1-2024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/14/2024
 Supervised By :mohammad ahmed 02/14/2024

Integration File: autoint1.e
 Quant Time: Feb 11 23:06:59 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 020824.M
 Quant Title : GC Extractables
 QLast Update : Fri Feb 09 05:31:04 2024
 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...	12.794	5064175	36.590 ug/ml
Spiked Amount 50.000		Recovery =	73.18%
Target Compounds			
1) T n-Nonane (C9)	3.198	487539	3.116 ug/ml
2) T n-Decane (C10)	4.249	628461	3.932 ug/ml
4) T n-Dodecane (C12)	6.248	889092	5.482 ug/ml
6) T n-Tetradecane (C14)	8.030	785221	4.854 ug/ml
7) T n-Hexadecane (C16)	9.621	801027	4.781 ug/ml
8) T n-Octadecane (C18)	11.051	870807	5.117 ug/mlm
10) T n-Eicosane (C20)	12.351	923124	5.609 ug/mlm
11) T n-Heneicosane (C21)	12.960	894335	5.514 ug/ml
13) T n-Docosane (C22)	13.542	914163	5.679 ug/ml
14) T n-Tetracosane (C24)	14.636	908513	5.704 ug/mlm
15) T n-Hexacosane (C26)	15.649	882710	5.685 ug/ml
16) T n-Octacosane (C28)	16.591	897238	5.995 ug/mlm
17) T n-Tricontane (C30)	17.472	920216	6.218 ug/ml
18) T n-Dotriacontane (C32)	18.297	902823	6.402 ug/ml
19) T n-Tetratriacontane (C34)	19.074	824045	6.226 ug/ml
20) T n-Hexatriacontane (C36)	19.808	724377	5.823 ug/ml
21) T n-Octatriacontane (C38)	20.505	630503	5.270 ug/ml
22) T n-Tetracontane (C40)	21.311	551560	4.766 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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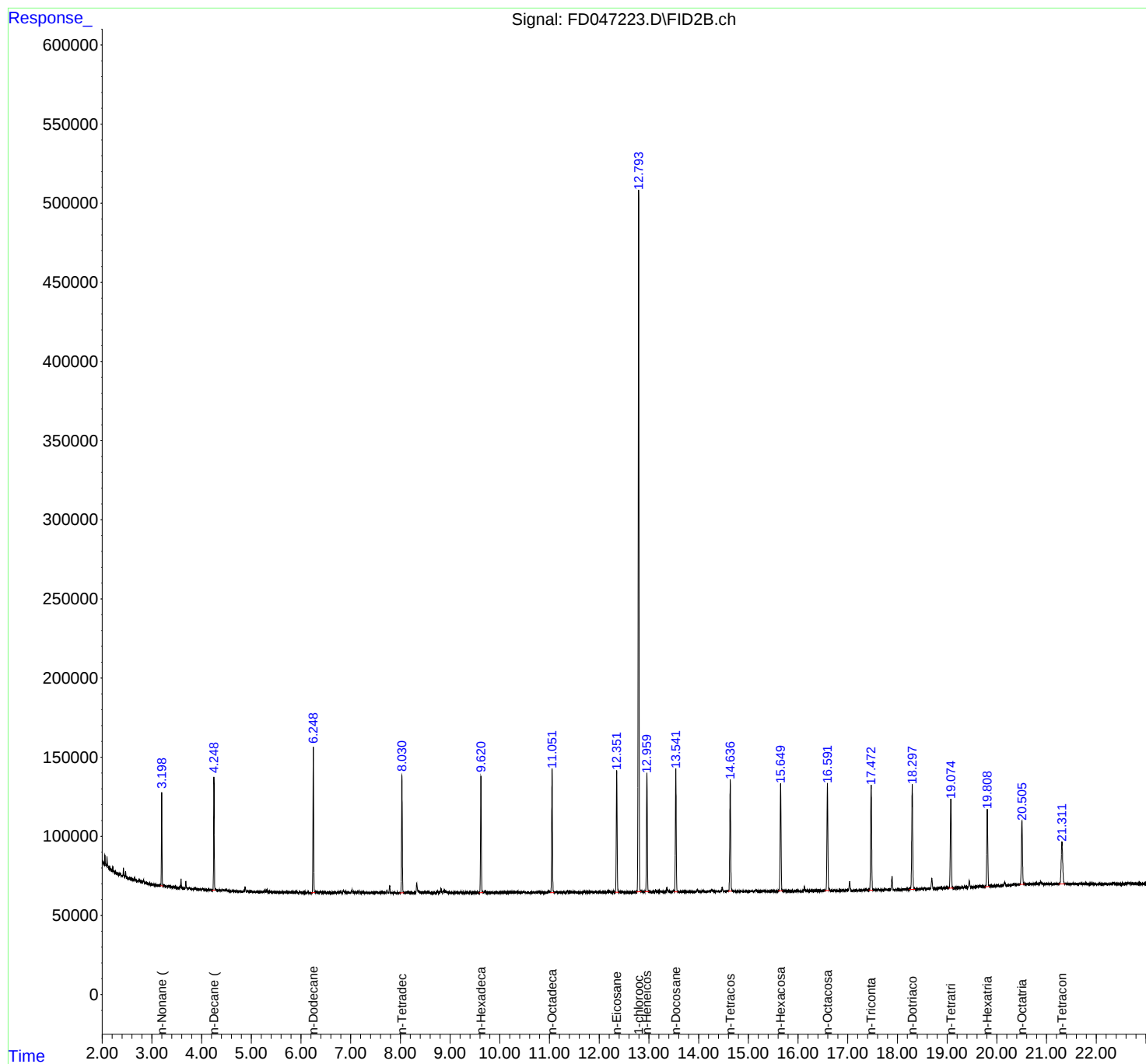
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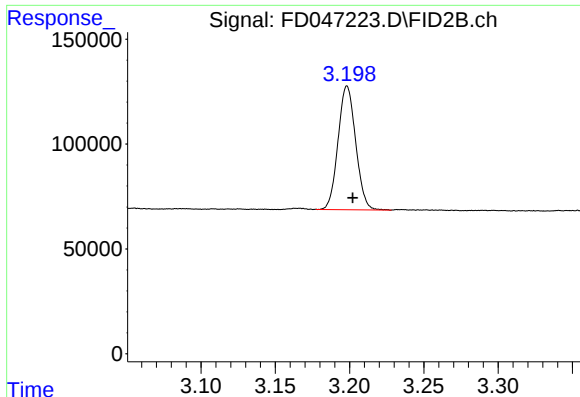
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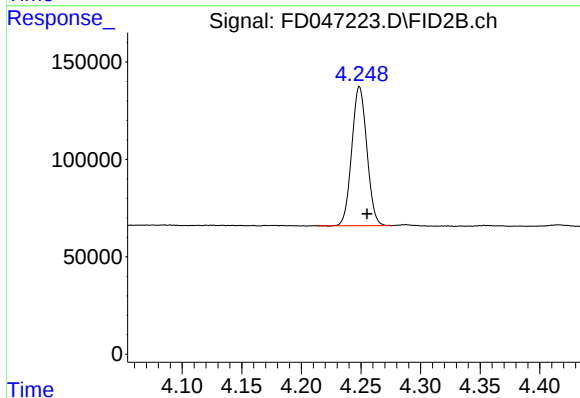
#1 n-Nonane (C9)

R.T.: 3.198 min
Delta R.T.: -0.004 min
Response: 487539
Conc: 3.12 ug/ml

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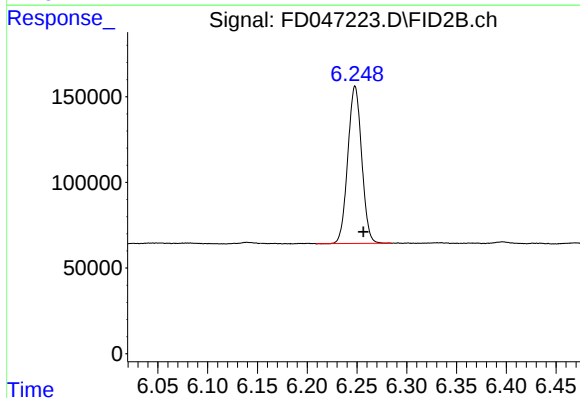
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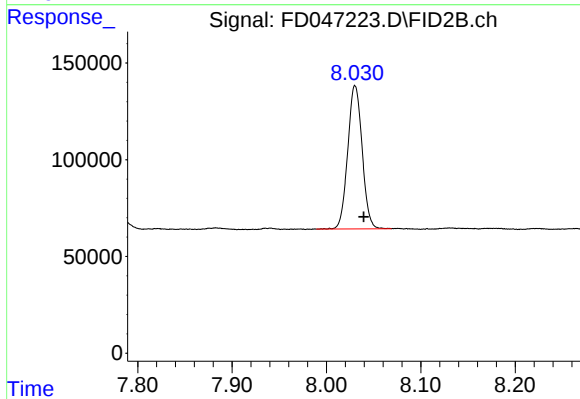
#2 n-Decane (C10)

R.T.: 4.249 min
Delta R.T.: -0.006 min
Response: 628461
Conc: 3.93 ug/ml



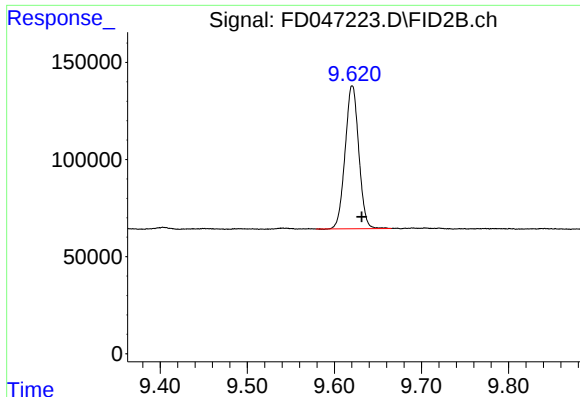
#4 n-Dodecane (C12)

R.T.: 6.248 min
Delta R.T.: -0.008 min
Response: 889092
Conc: 5.48 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.030 min
Delta R.T.: -0.009 min
Response: 785221
Conc: 4.85 ug/ml



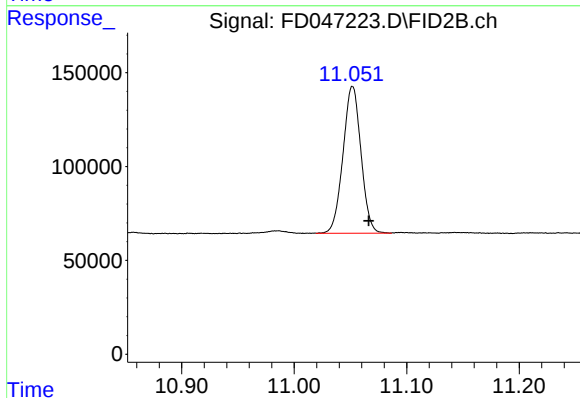
#7 n-Hexadecane (C16)

R.T.: 9.621 min
Delta R.T.: -0.011 min
Response: 801027
Conc: 4.78 ug/ml

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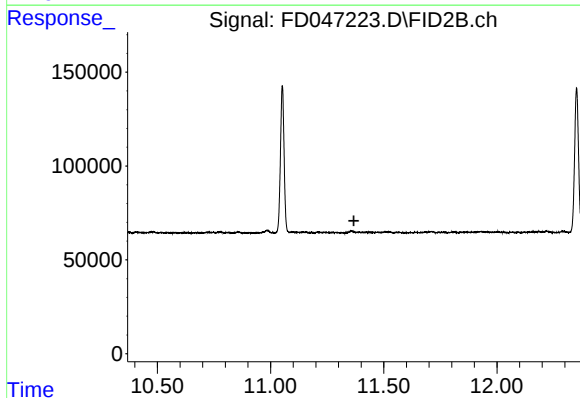
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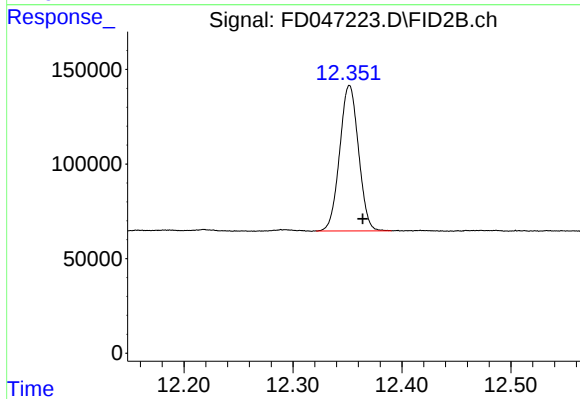
#8 n-Octadecane (C18)

R.T.: 11.051 min
Delta R.T.: -0.015 min
Response: 870807
Conc: 5.12 ug/ml m



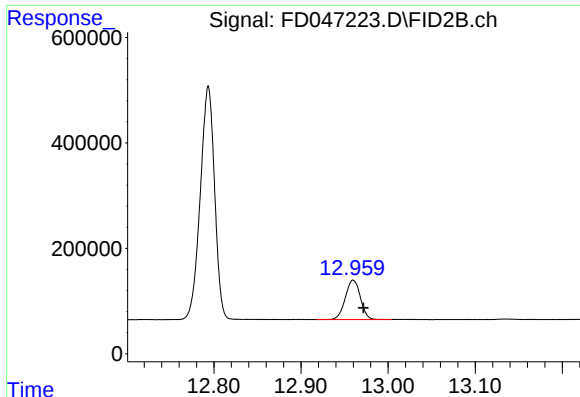
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.368 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.351 min
Delta R.T.: -0.013 min
Response: 923124
Conc: 5.61 ug/ml m



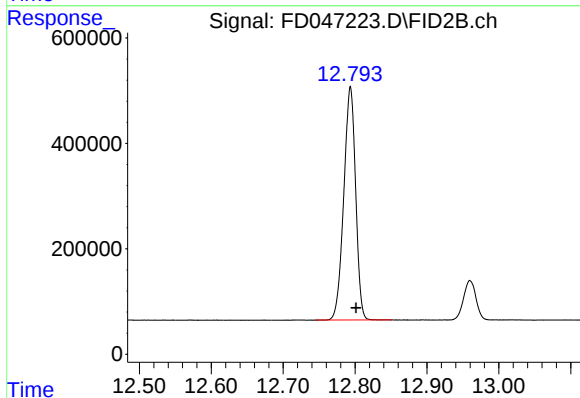
#11 n-Heneicosane (C21)

R.T.: 12.960 min
Delta R.T.: -0.012 min
Response: 894335
Conc: 5.51 ug/ml

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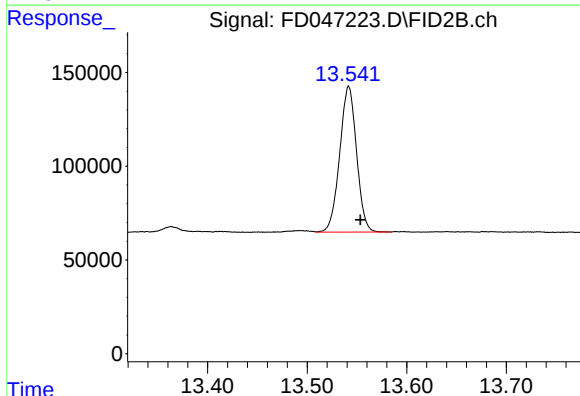
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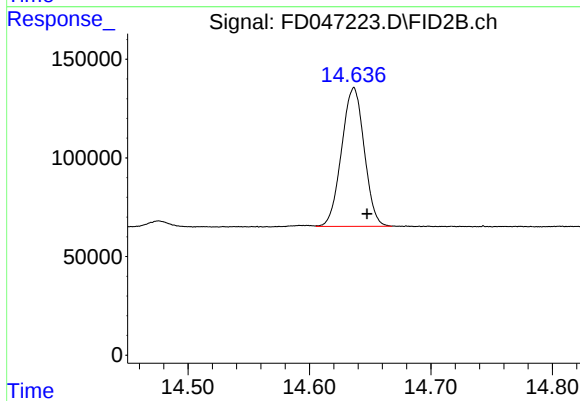
#12 1-chlorooctadecane (SURR)

R.T.: 12.794 min
Delta R.T.: -0.008 min
Response: 5064175
Conc: 36.59 ug/ml



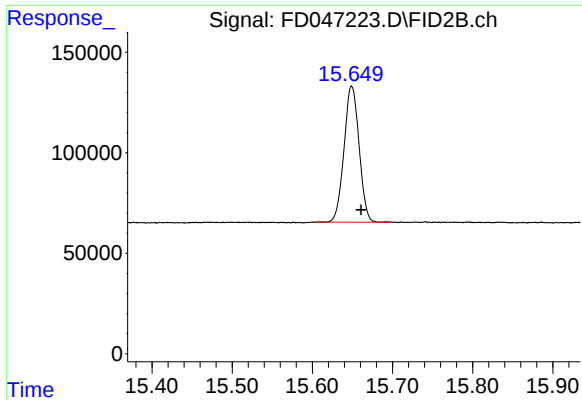
#13 n-Docosane (C22)

R.T.: 13.542 min
Delta R.T.: -0.012 min
Response: 914163
Conc: 5.68 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.636 min
Delta R.T.: -0.011 min
Response: 908513
Conc: 5.70 ug/ml m



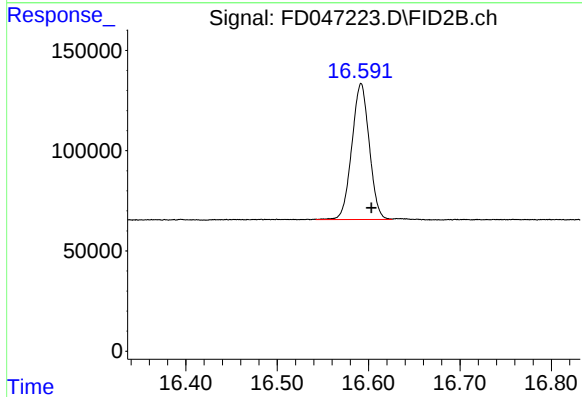
#15 n-Hexacosane (C26)

R.T.: 15.649 min
Delta R.T.: -0.011 min
Response: 882710
Conc: 5.68 ug/ml

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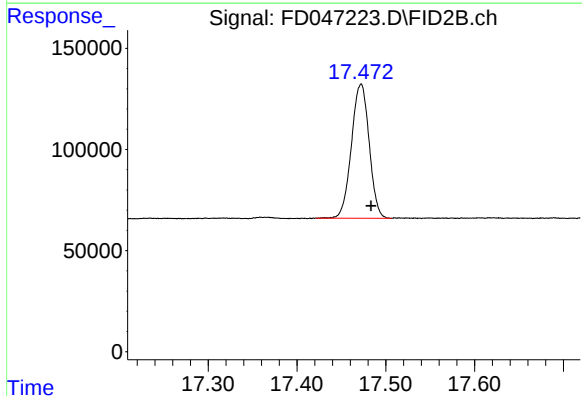
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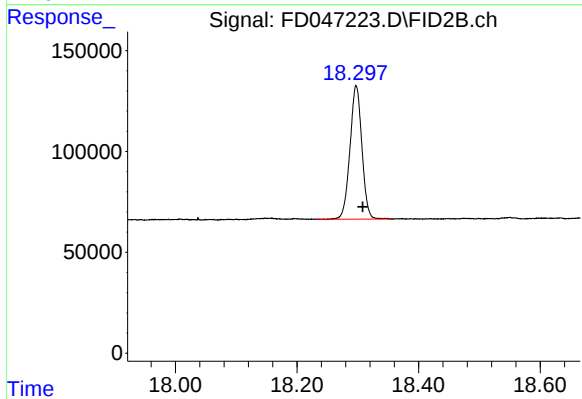
#16 n-Octacosane (C28)

R.T.: 16.591 min
Delta R.T.: -0.012 min
Response: 897238
Conc: 5.99 ug/ml m



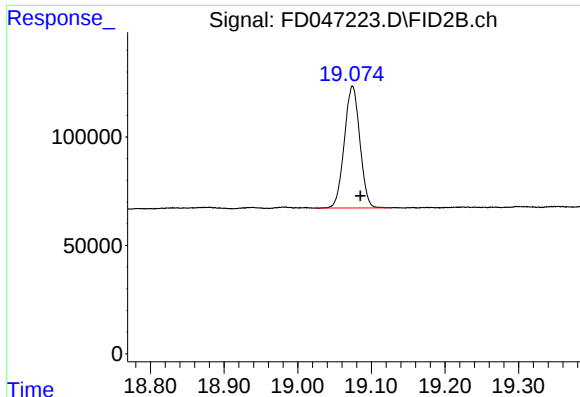
#17 n-Tricontane (C30)

R.T.: 17.472 min
Delta R.T.: -0.011 min
Response: 920216
Conc: 6.22 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.297 min
Delta R.T.: -0.011 min
Response: 902823
Conc: 6.40 ug/ml



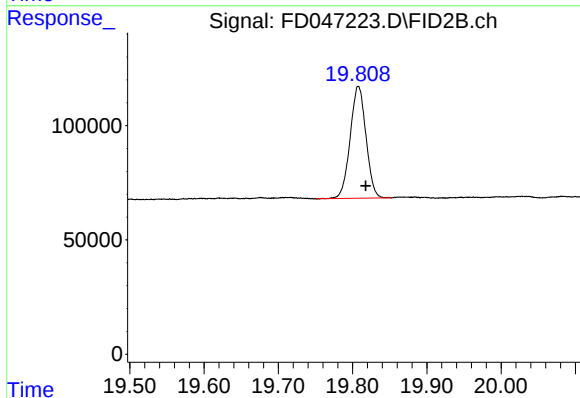
#19 n-Tetratriacontane (C34)

R.T.: 19.074 min
Delta R.T.: -0.011 min
Response: 824045
Conc: 6.23 ug/ml

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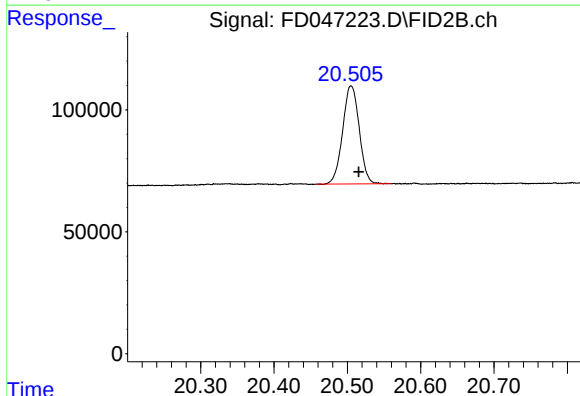
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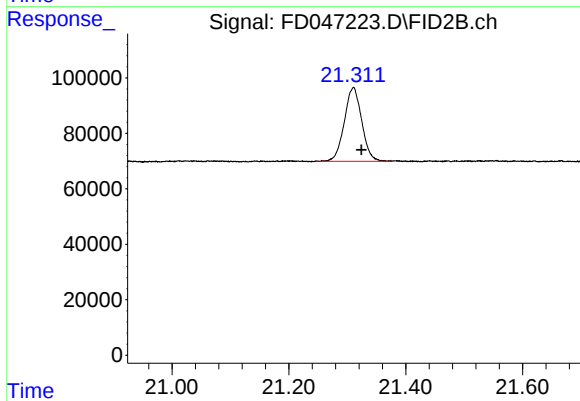
#20 n-Hexatriacontane (C36)

R.T.: 19.808 min
Delta R.T.: -0.010 min
Response: 724377
Conc: 5.82 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.505 min
Delta R.T.: -0.010 min
Response: 630503
Conc: 5.27 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.311 min
Delta R.T.: -0.013 min
Response: 551560
Conc: 4.77 ug/ml