

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD051324AL\
 Data File : FD047740.D
 Signal(s) : FID2B.ch
 Acq On : 13 May 2024 16:23
 Operator : YP/AJ
 Sample : P2403-01
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/14/2024
 Supervised By :Ankita Jodhani 05/14/2024

Integration File: autoint1.e
 Quant Time: May 14 03:30:01 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 051324.M
 Quant Title : GC Extractables
 QLast Update : Mon May 13 13:08:23 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	7543076	46.289 ug/ml
Spiked Amount 50.000		Recovery =	92.58%
Target Compounds			
1) T n-Nonane (C9)	3.187	283419	1.472 ug/ml
2) T n-Decane (C10)	4.239	353483	1.785 ug/ml
4) T n-Dodecane (C12)	6.238	560454	2.822 ug/ml
6) T n-Tetradecane (C14)	8.021	493168	2.525 ug/mlm
7) T n-Hexadecane (C16)	9.613	465415	2.319 ug/ml
8) T n-Octadecane (C18)	11.047	493758	2.431 ug/ml
10) T n-Eicosane (C20)	12.350	496222	2.542 ug/ml
11) T n-Heneicosane (C21)	12.959	463079	2.407 ug/ml
13) T n-Docosane (C22)	13.541	500889	2.632 ug/ml
14) T n-Tetracosane (C24)	14.638	511584	2.721 ug/ml
15) T n-Hexacosane (C26)	15.654	472217	2.607 ug/mlm
16) T n-Octacosane (C28)	16.599	484733	2.781 ug/mlm
17) T n-Tricontane (C30)	17.483	505637	2.897 ug/ml
18) T n-Dotriacontane (C32)	18.310	509483	2.992 ug/mlm
19) T n-Tetratriacontane (C34)	19.090	465354	2.885 ug/ml
20) T n-Hexatriacontane (C36)	19.825	400936	2.623 ug/ml
21) T n-Octatriacontane (C38)	20.526	373000	2.537 ug/ml
22) T n-Tetracontane (C40)	21.332	363620	2.564 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP/AJ
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Misc :
ALS Vial : 64 Sample Multiplier: 1

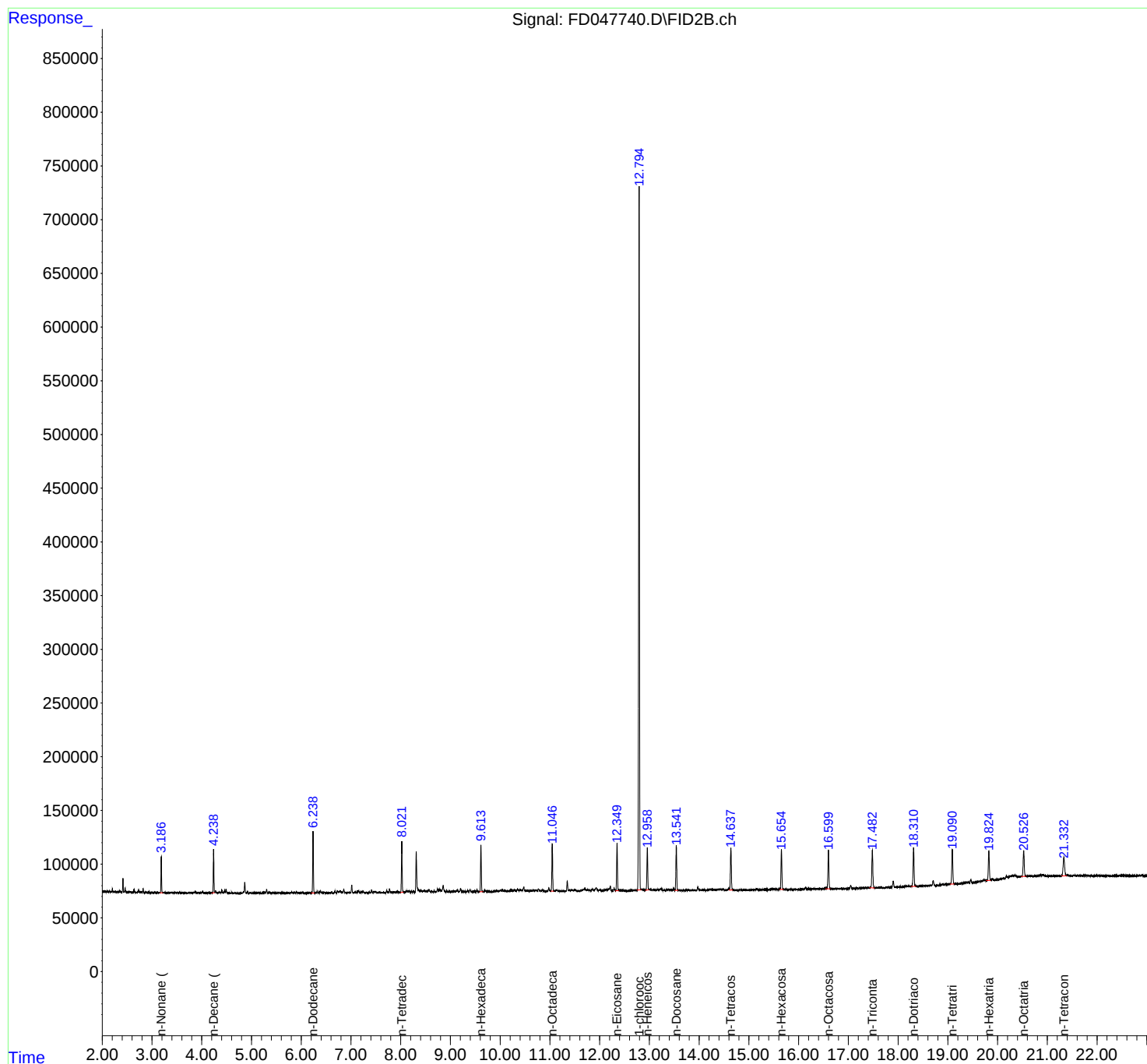
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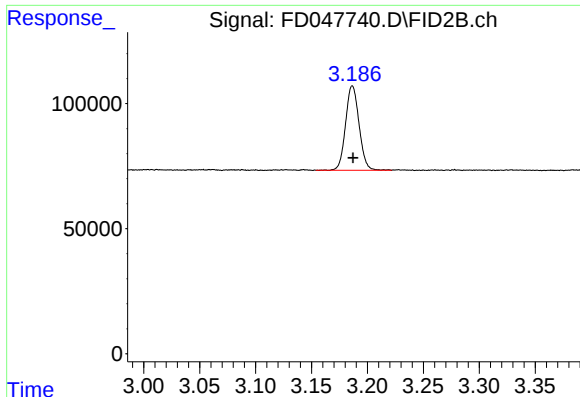
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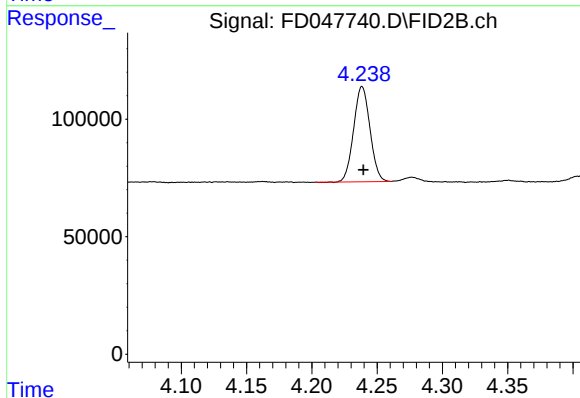
#1 n-Nonane (C9)

R.T.: 3.187 min
Delta R.T.: 0.000 min
Response: 283419
Conc: 1.47 ug/ml

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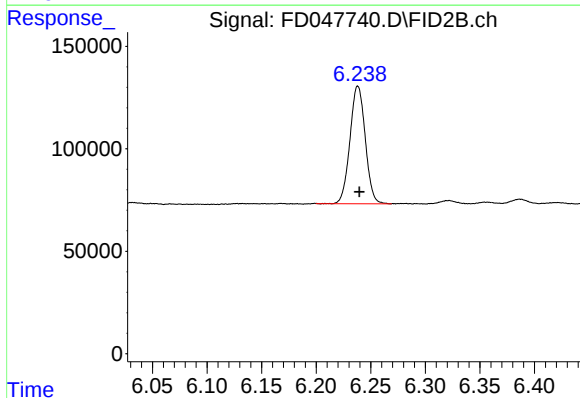
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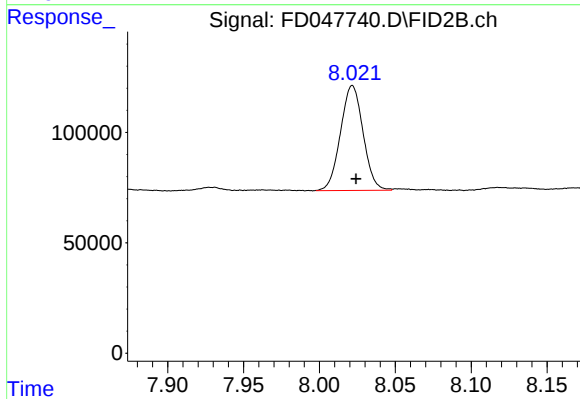
#2 n-Decane (C10)

R.T.: 4.239 min
Delta R.T.: 0.000 min
Response: 353483
Conc: 1.79 ug/ml



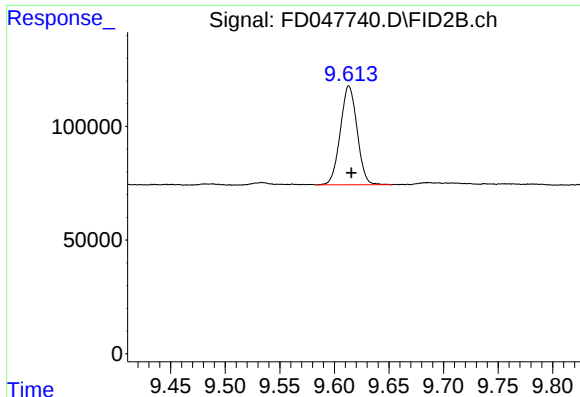
#4 n-Dodecane (C12)

R.T.: 6.238 min
Delta R.T.: -0.001 min
Response: 560454
Conc: 2.82 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.021 min
Delta R.T.: -0.003 min
Response: 493168
Conc: 2.53 ug/ml m



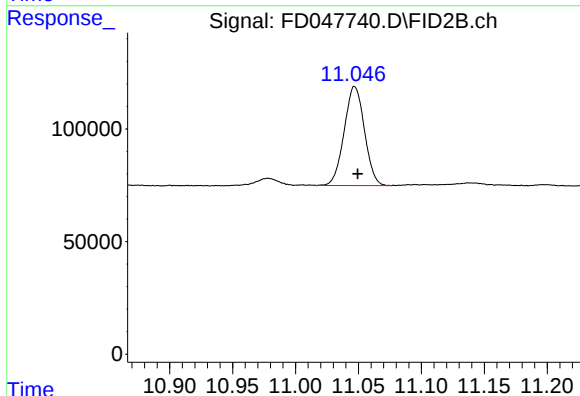
#7 n-Hexadecane (C16)

R.T.: 9.613 min
Delta R.T.: -0.002 min
Response: 465415
Conc: 2.32 ug/ml

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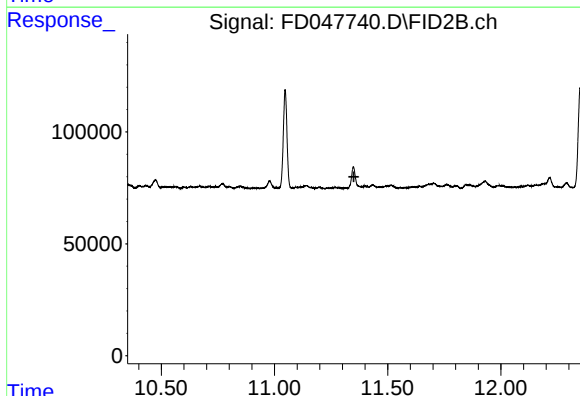
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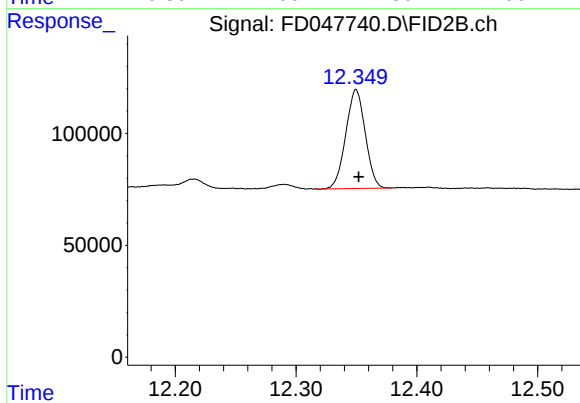
#8 n-Octadecane (C18)

R.T.: 11.047 min
Delta R.T.: -0.002 min
Response: 493758
Conc: 2.43 ug/ml



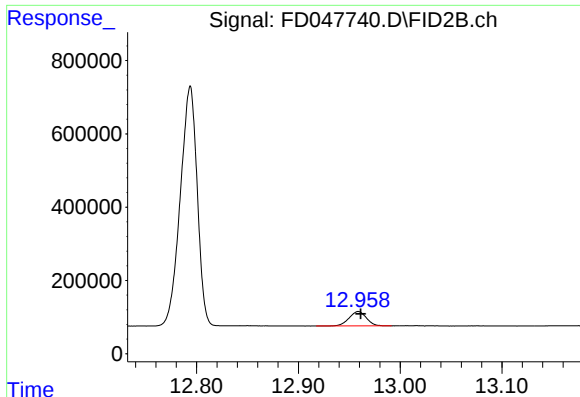
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.351 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.350 min
Delta R.T.: -0.002 min
Response: 496222
Conc: 2.54 ug/ml



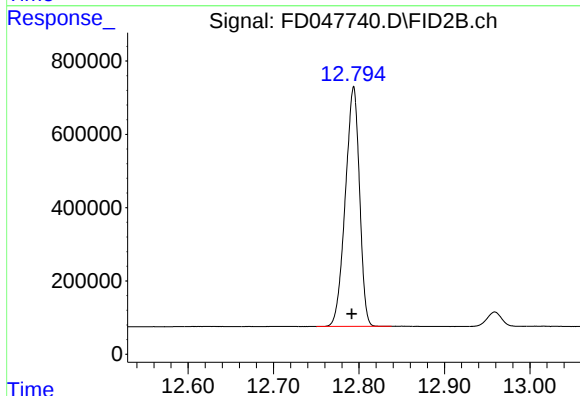
#11 n-Heneicosane (C21)

R.T.: 12.959 min
Delta R.T.: -0.002 min
Response: 463079
Conc: 2.41 ug/ml

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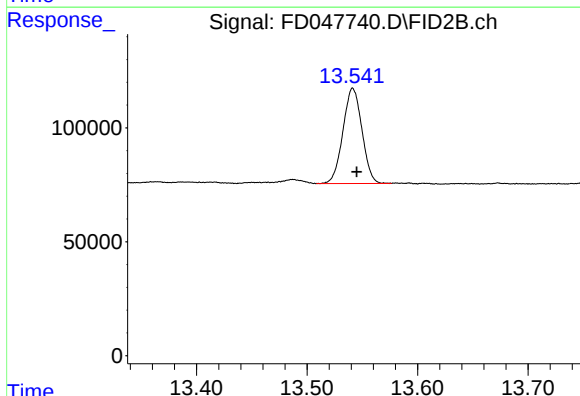
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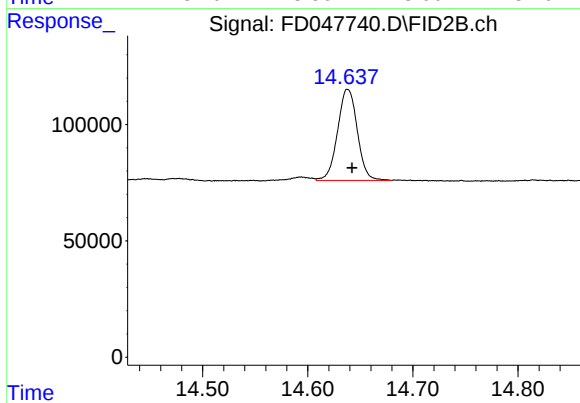
#12 1-chlorooctadecane (SURR)

R.T.: 12.794 min
Delta R.T.: 0.002 min
Response: 7543076
Conc: 46.29 ug/ml



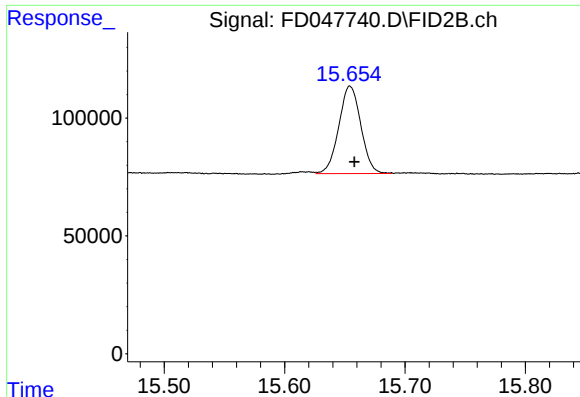
#13 n-Docosane (C22)

R.T.: 13.541 min
Delta R.T.: -0.003 min
Response: 500889
Conc: 2.63 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.638 min
Delta R.T.: -0.004 min
Response: 511584
Conc: 2.72 ug/ml



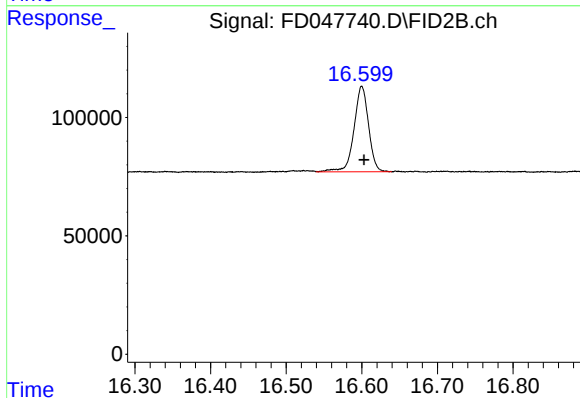
#15 n-Hexacosane (C26)

R.T.: 15.654 min
Delta R.T.: -0.004 min
Response: 472217
Conc: 2.61 ug/ml

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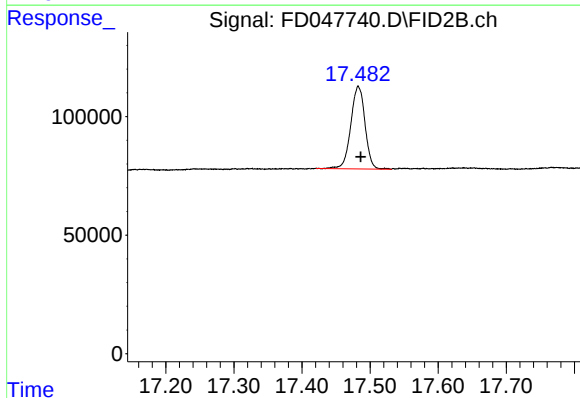
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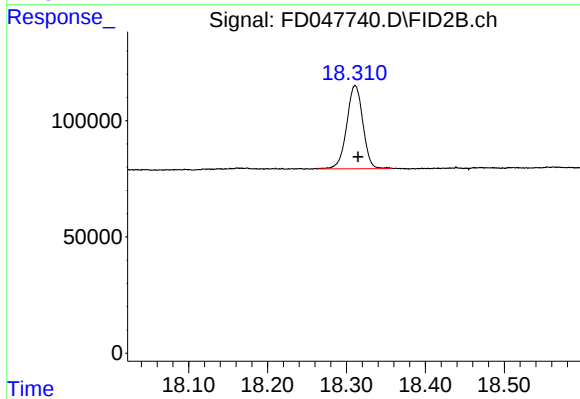
#16 n-Octacosane (C28)

R.T.: 16.599 min
Delta R.T.: -0.004 min
Response: 484733
Conc: 2.78 ug/ml m



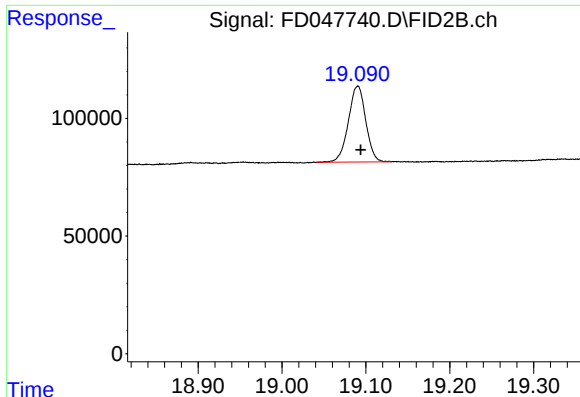
#17 n-Tricontane (C30)

R.T.: 17.483 min
Delta R.T.: -0.003 min
Response: 505637
Conc: 2.90 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.310 min
Delta R.T.: -0.004 min
Response: 509483
Conc: 2.99 ug/ml m



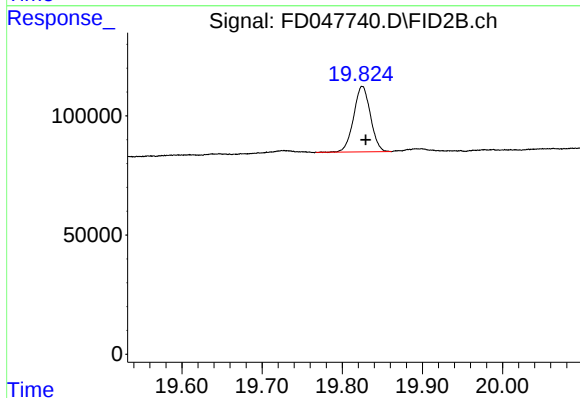
#19 n-Tetratriacontane (C34)

R.T.: 19.090 min
Delta R.T.: -0.003 min
Response: 465354
Conc: 2.89 ug/ml

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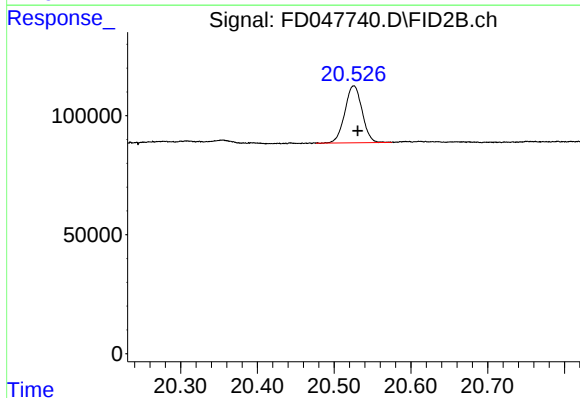
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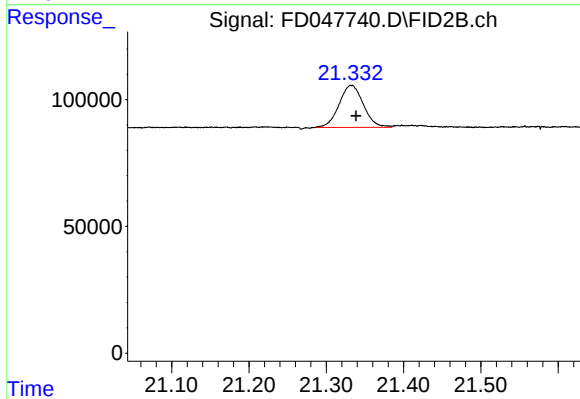
#20 n-Hexatriacontane (C36)

R.T.: 19.825 min
Delta R.T.: -0.004 min
Response: 400936
Conc: 2.62 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.526 min
Delta R.T.: -0.005 min
Response: 373000
Conc: 2.54 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.332 min
Delta R.T.: -0.007 min
Response: 363620
Conc: 2.56 ug/ml m