

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD051324AL\
 Data File : FD047744.D
 Signal(s) : FID2B.ch
 Acq On : 13 May 2024 18:57
 Operator : YP/AJ
 Sample : P2403-07
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 LOD-MDL-WATER-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 03:30:38 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	7237621	44.415 ug/ml
Spiked Amount 50.000		Recovery =	88.83%
Target Compounds			
1) T n-Nonane (C9)	3.187	419782	2.180 ug/ml
2) T n-Decane (C10)	4.239	530393	2.679 ug/ml
4) T n-Dodecane (C12)	6.238	732521	3.688 ug/ml
6) T n-Tetradecane (C14)	8.022	668910	3.425 ug/ml
7) T n-Hexadecane (C16)	9.612	666692	3.322 ug/mlm
8) T n-Octadecane (C18)	11.047	714763	3.519 ug/ml
10) T n-Eicosane (C20)	12.349	729515	3.737 ug/ml
11) T n-Heneicosane (C21)	12.958	698273	3.630 ug/ml
13) T n-Docosane (C22)	13.541	730412	3.838 ug/ml
14) T n-Tetracosane (C24)	14.639	736905	3.919 ug/mlm
15) T n-Hexacosane (C26)	15.654	699770	3.863 ug/mlm
16) T n-Octacosane (C28)	16.599	690156	3.960 ug/ml
17) T n-Tricontane (C30)	17.482	715977	4.103 ug/ml
18) T n-Dotriacontane (C32)	18.310	720102	4.229 ug/ml
19) T n-Tetratriacontane (C34)	19.089	669200	4.149 ug/ml
20) T n-Hexatriacontane (C36)	19.825	586105	3.834 ug/mlm
21) T n-Octatriacontane (C38)	20.527	549380	3.736 ug/ml
22) T n-Tetracontane (C40)	21.333	517822	3.651 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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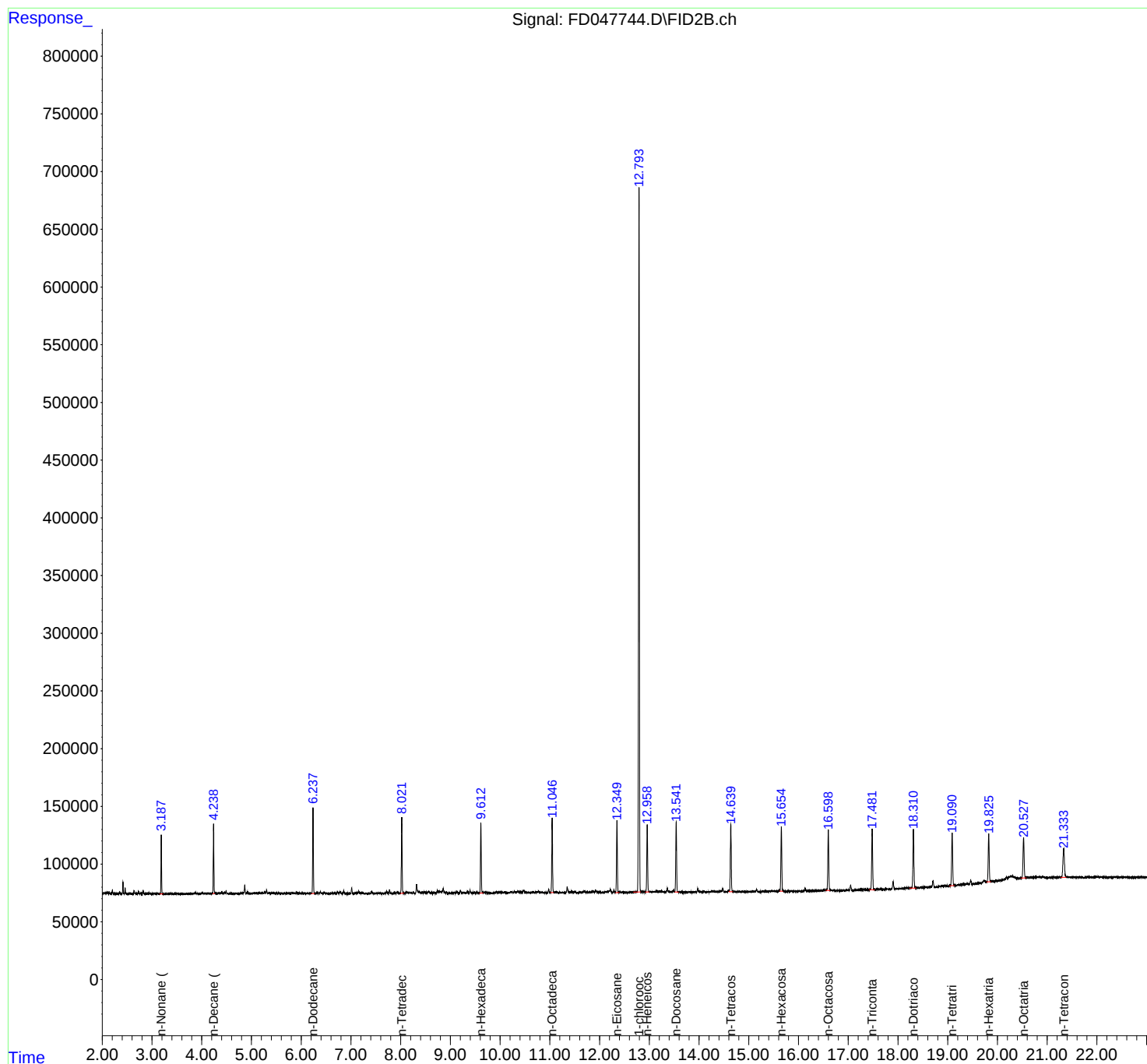
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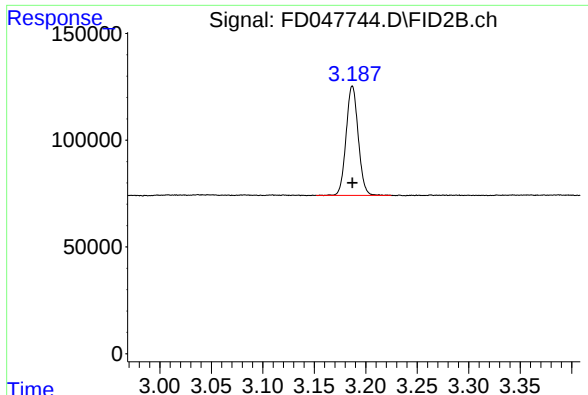
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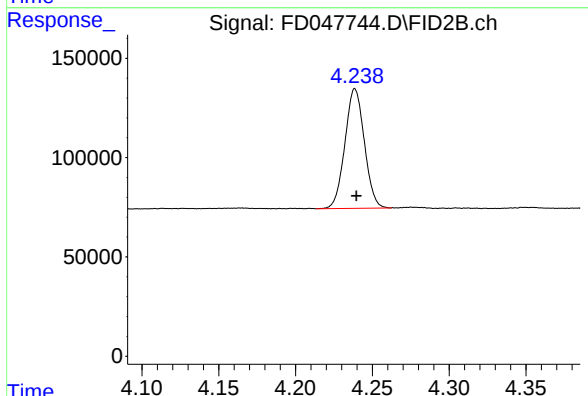
#1 n-Nonane (C9)

R.T.: 3.187 min
Delta R.T.: 0.000 min
Response: 419782
Conc: 2.18 ug/ml

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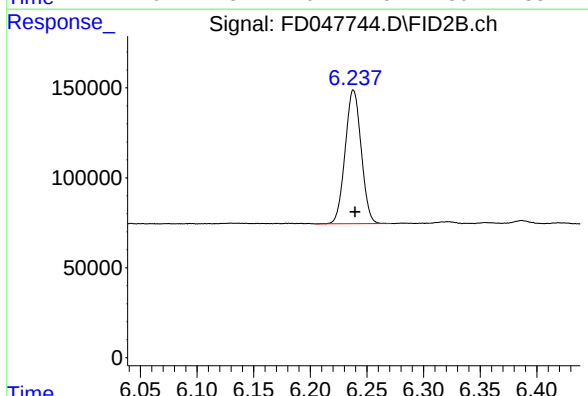
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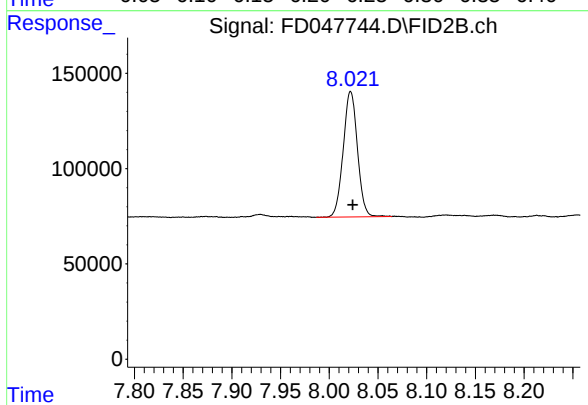
#2 n-Decane (C10)

R.T.: 4.239 min
Delta R.T.: 0.000 min
Response: 530393
Conc: 2.68 ug/ml



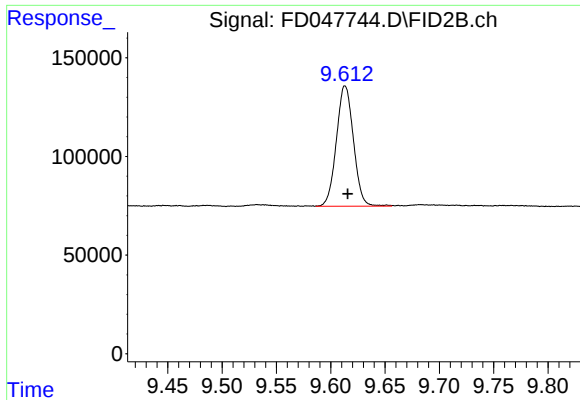
#4 n-Dodecane (C12)

R.T.: 6.238 min
Delta R.T.: -0.001 min
Response: 732521
Conc: 3.69 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.022 min
Delta R.T.: -0.002 min
Response: 668910
Conc: 3.42 ug/ml



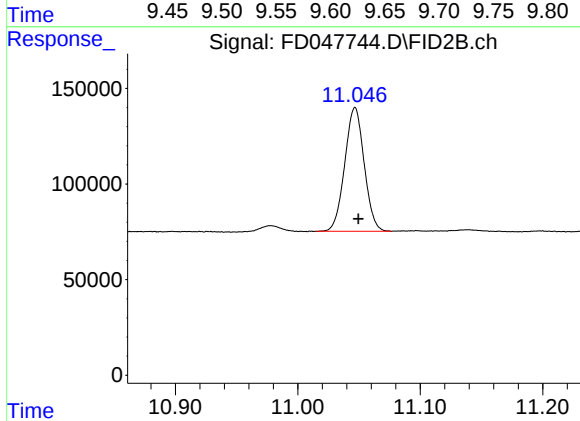
#7 n-Hexadecane (C16)

R.T.: 9.612 min
Delta R.T.: -0.003 min
Response: 666692
Conc: 3.32 ug/ml

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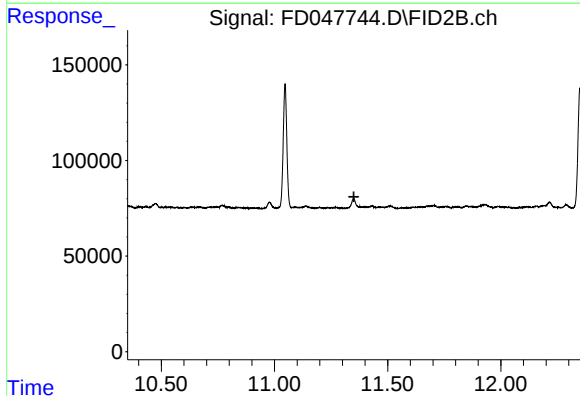
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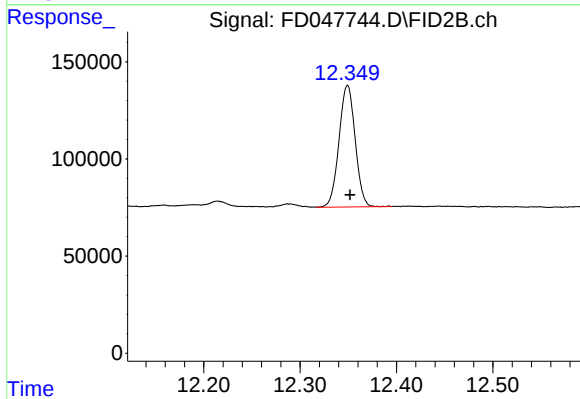
#8 n-Octadecane (C18)

R.T.: 11.047 min
Delta R.T.: -0.003 min
Response: 714763
Conc: 3.52 ug/ml



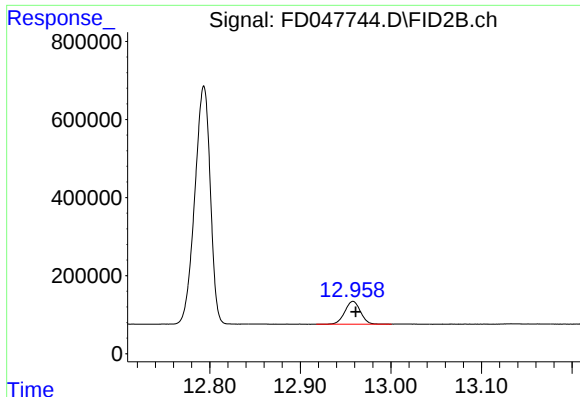
#9 ortho-Terphenyl (SURR)

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



#10 n-Eicosane (C20)

R.T.: 12.349 min
Delta R.T.: -0.003 min
Response: 729515
Conc: 3.74 ug/ml



#11 n-Heneicosane (C21)

R.T.: 12.958 min
Delta R.T.: -0.003 min
Response: 698273
Conc: 3.63 ug/ml

Instrument :

FID_D

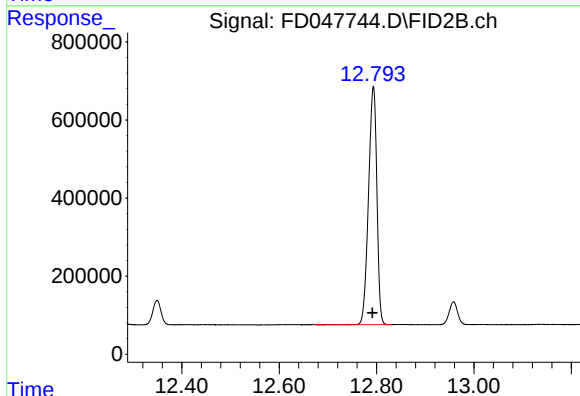
ClientSampleId :

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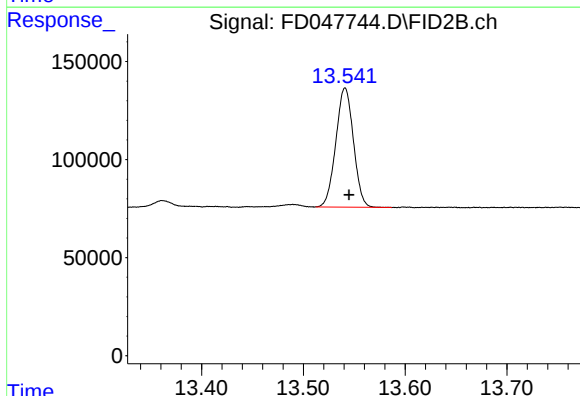
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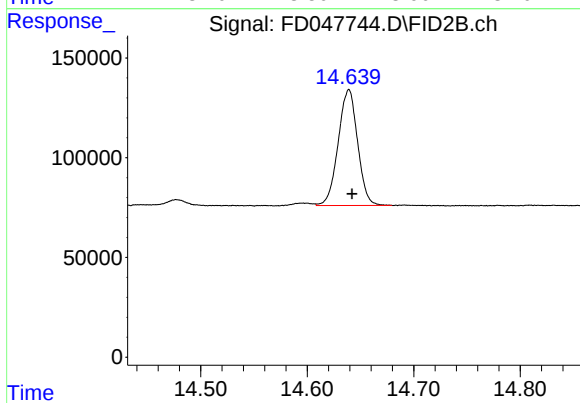
#12 1-chlorooctadecane (SURR)

R.T.: 12.794 min
Delta R.T.: 0.002 min
Response: 7237621
Conc: 44.42 ug/ml



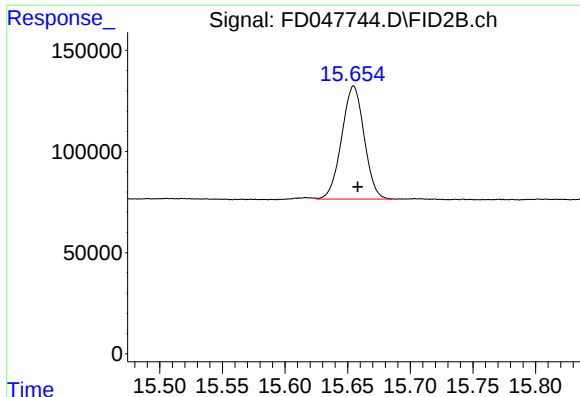
#13 n-Docosane (C22)

R.T.: 13.541 min
Delta R.T.: -0.004 min
Response: 730412
Conc: 3.84 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.639 min
Delta R.T.: -0.003 min
Response: 736905
Conc: 3.92 ug/ml m



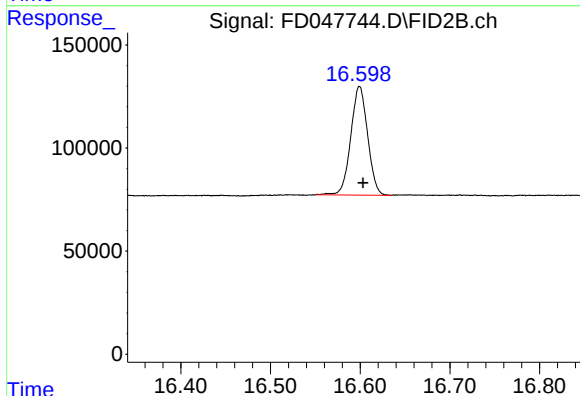
#15 n-Hexacosane (C26)

R.T.: 15.654 min
Delta R.T.: -0.004 min
Response: 699770
Conc: 3.86 ug/ml

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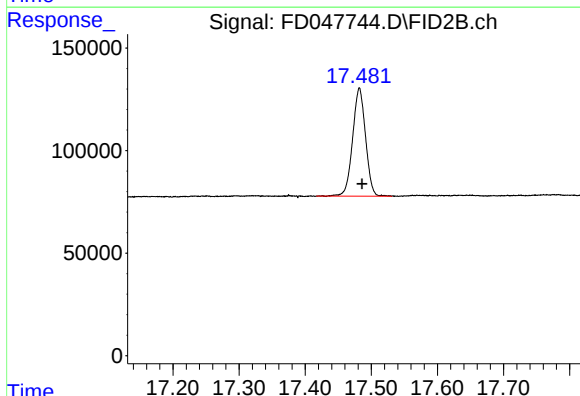
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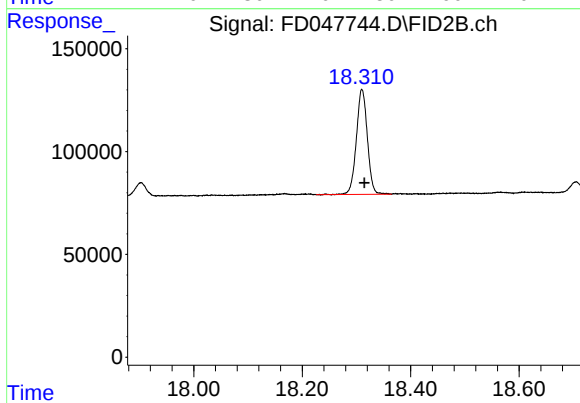
#16 n-Octacosane (C28)

R.T.: 16.599 min
Delta R.T.: -0.004 min
Response: 690156
Conc: 3.96 ug/ml



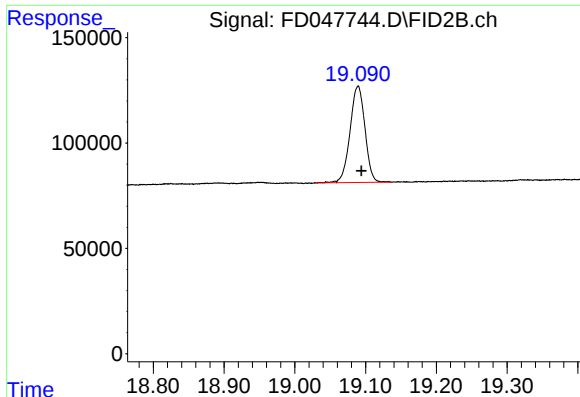
#17 n-Tricontane (C30)

R.T.: 17.482 min
Delta R.T.: -0.004 min
Response: 715977
Conc: 4.10 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.310 min
Delta R.T.: -0.005 min
Response: 720102
Conc: 4.23 ug/ml



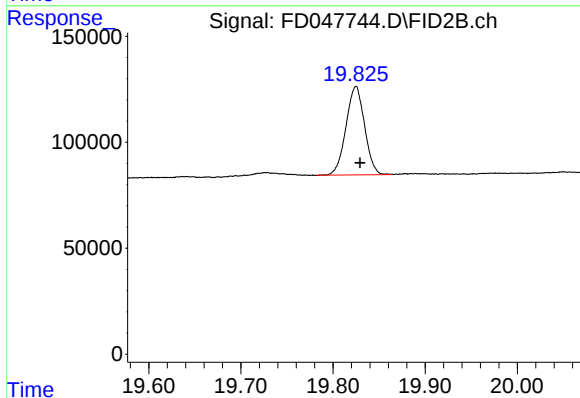
#19 n-Tetratriacontane (C34)

R.T.: 19.089 min
Delta R.T.: -0.004 min
Response: 669200
Conc: 4.15 ug/ml

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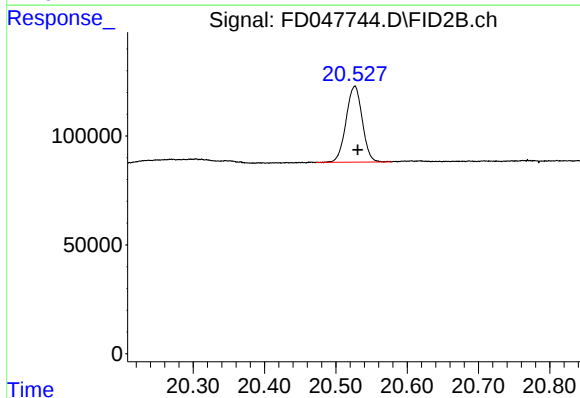
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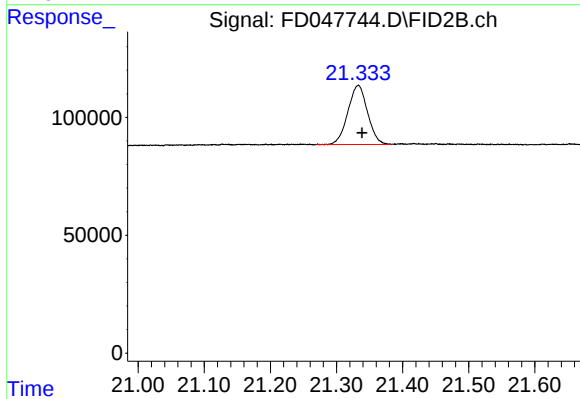
#20 n-Hexatriacontane (C36)

R.T.: 19.825 min
Delta R.T.: -0.004 min
Response: 586105
Conc: 3.83 ug/ml m



#21 n-Octatriacontane (C38)

R.T.: 20.527 min
Delta R.T.: -0.004 min
Response: 549380
Conc: 3.74 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.333 min
Delta R.T.: -0.006 min
Response: 517822
Conc: 3.65 ug/ml