

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD051424AL\
 Data File : FD047754.D
 Signal(s) : FID2B.ch
 Acq On : 14 May 2024 11:25
 Operator : YP/AJ
 Sample : P2403-03
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 MDL-SOIL-03-QT2-2024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/15/2024
 Supervised By :Ankita Jodhani 05/15/2024

Integration File: autoint1.e
 Quant Time: May 15 05:28:56 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...	12.791	6011300	36.889 ug/ml
Spiked Amount 50.000		Recovery =	73.78%
Target Compounds			
1) T n-Nonane (C9)	3.187	223557	1.161 ug/ml
2) T n-Decane (C10)	4.239	279739	1.413 ug/ml
4) T n-Dodecane (C12)	6.238	444565	2.238 ug/ml
6) T n-Tetradecane (C14)	8.022	396622	2.031 ug/ml
7) T n-Hexadecane (C16)	9.613	365199	1.820 ug/ml
8) T n-Octadecane (C18)	11.047	401998	1.979 ug/ml
10) T n-Eicosane (C20)	12.349	402014	2.059 ug/ml
11) T n-Heneicosane (C21)	12.957	375695	1.953 ug/ml
13) T n-Docosane (C22)	13.541	402490	2.115 ug/ml
14) T n-Tetracosane (C24)	14.638	399520	2.125 ug/ml
15) T n-Hexacosane (C26)	15.653	385069	2.126 ug/mlm
16) T n-Octacosane (C28)	16.598	407979	2.341 ug/mlm
17) T n-Tricontane (C30)	17.481	467233	2.677 ug/ml
18) T n-Dotriacontane (C32)	18.310	495289	2.909 ug/ml
19) T n-Tetratriacontane (C34)	19.089	442040	2.741 ug/ml
20) T n-Hexatriacontane (C36)	19.824	374953	2.453 ug/ml
21) T n-Octatriacontane (C38)	20.525	326052	2.217 ug/ml
22) T n-Tetracontane (C40)	21.332	286695	2.021 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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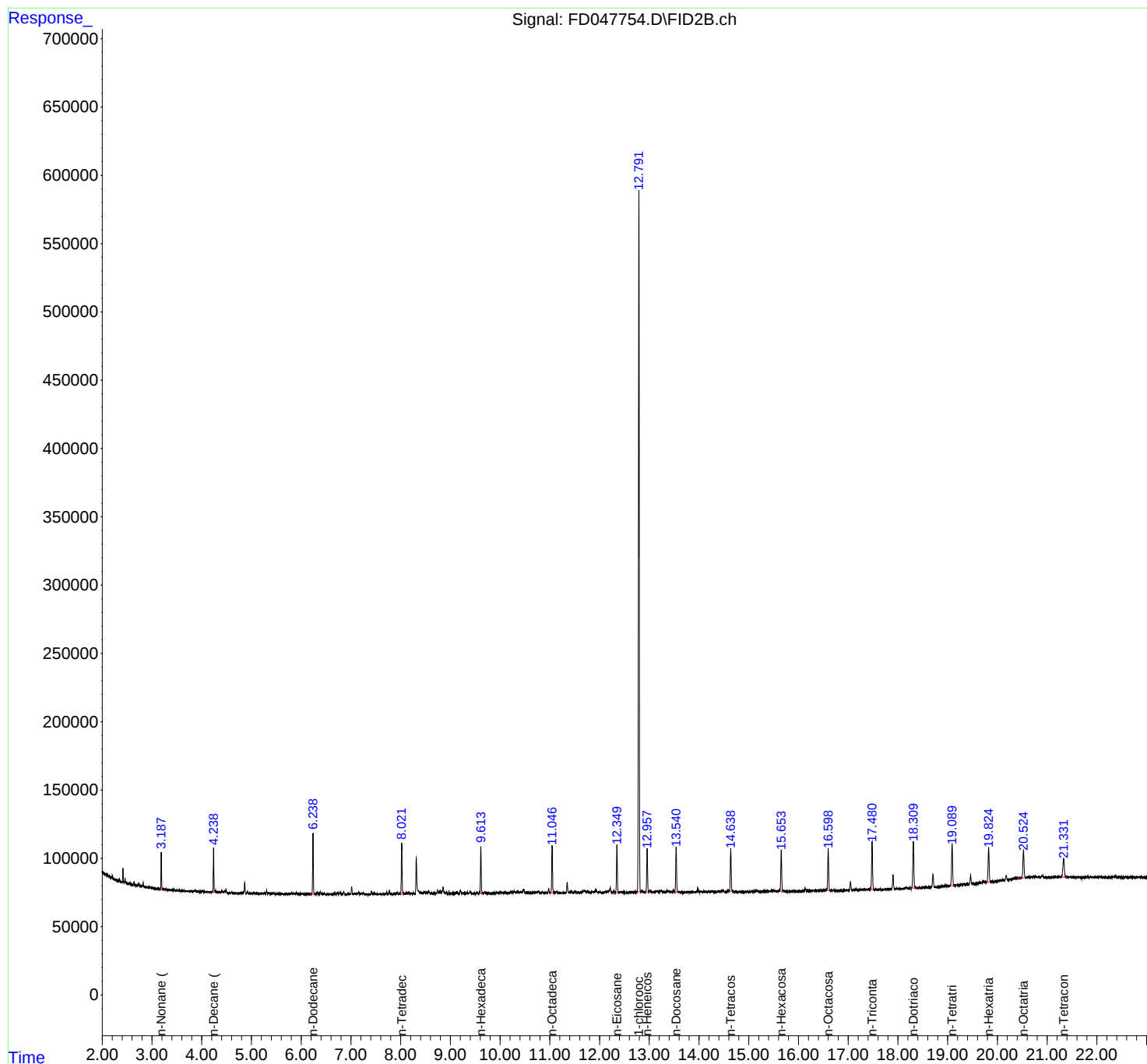
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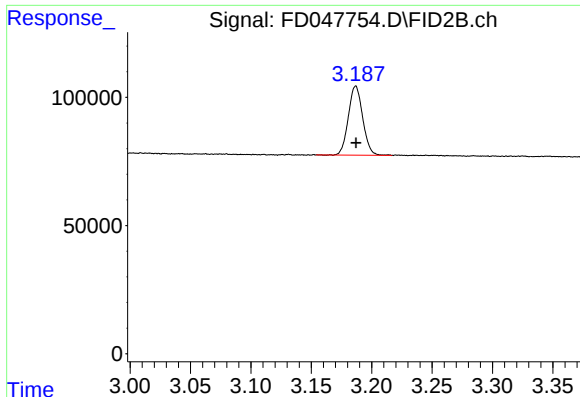
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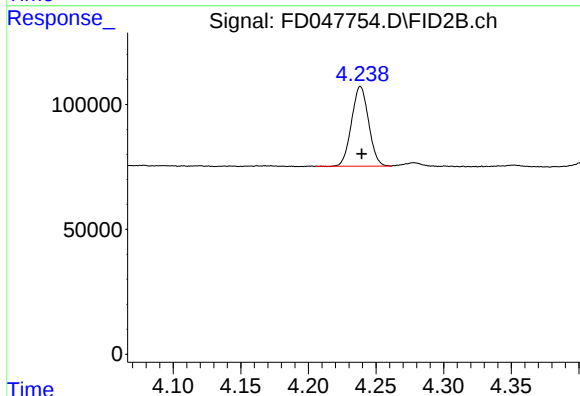
#1 n-Nonane (C9)

R.T.: 3.187 min
Delta R.T.: 0.000 min
Response: 223557
Conc: 1.16 ug/ml

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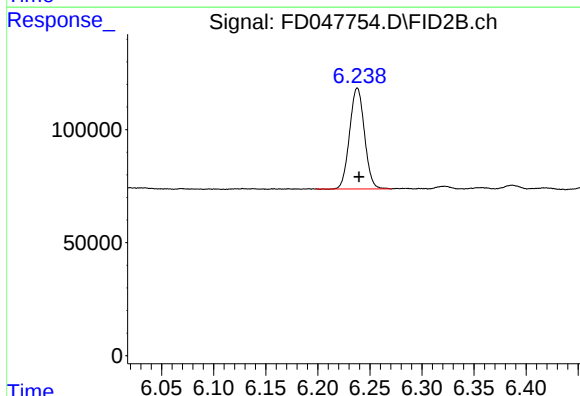
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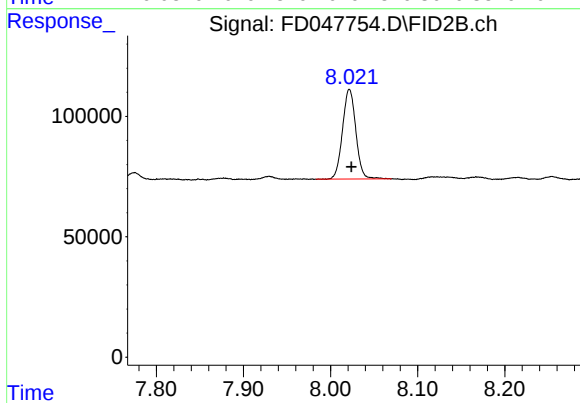
#2 n-Decane (C10)

R.T.: 4.239 min
Delta R.T.: 0.000 min
Response: 279739
Conc: 1.41 ug/ml



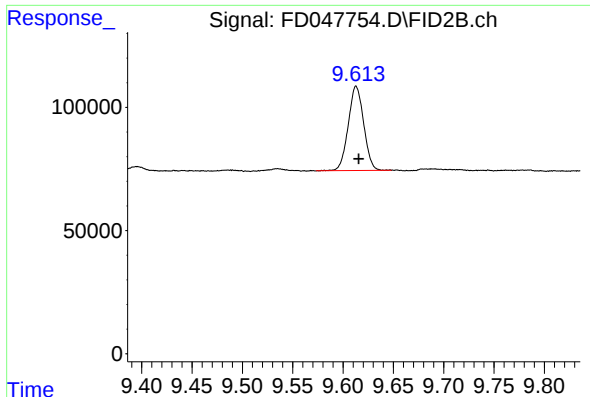
#4 n-Dodecane (C12)

R.T.: 6.238 min
Delta R.T.: -0.002 min
Response: 444565
Conc: 2.24 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.022 min
Delta R.T.: -0.002 min
Response: 396622
Conc: 2.03 ug/ml



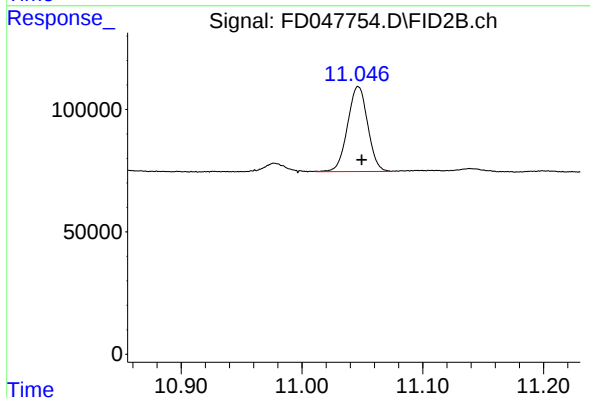
#7 n-Hexadecane (C16)

R.T.: 9.613 min
Delta R.T.: -0.003 min
Response: 365199
Conc: 1.82 ug/ml

Instrument :
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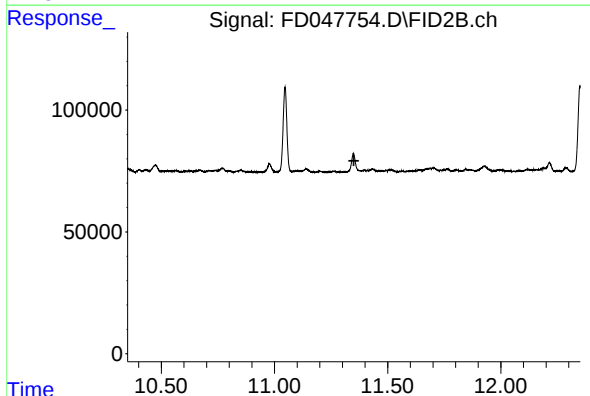
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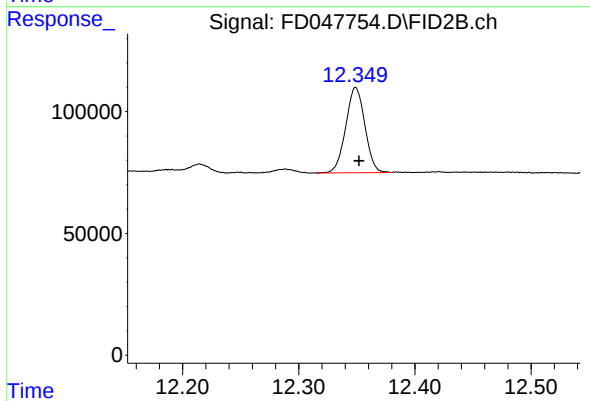
#8 n-Octadecane (C18)

R.T.: 11.047 min
Delta R.T.: -0.003 min
Response: 401998
Conc: 1.98 ug/ml



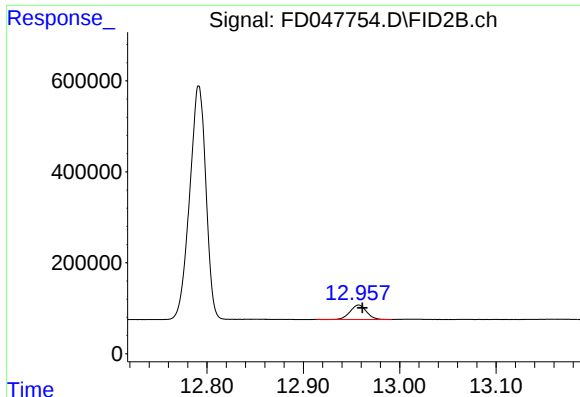
#9 ortho-Terphenyl (SURR)

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: 402014
Conc: 2.06 ug/ml



#11 n-Heneicosane (C21)

R.T.: 12.957 min
Delta R.T.: -0.004 min
Response: 375695
Conc: 1.95 ug/ml

Instrument :

FID_D

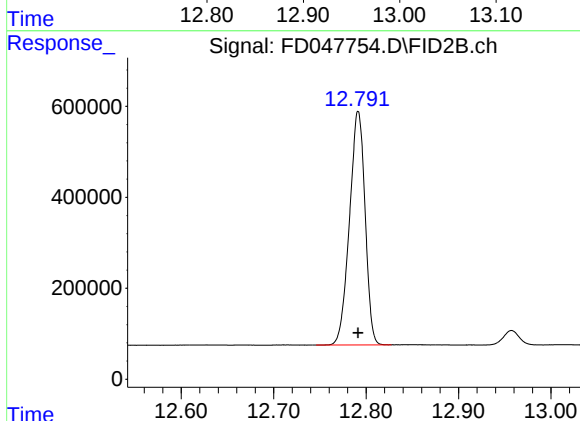
ClientSampleId :

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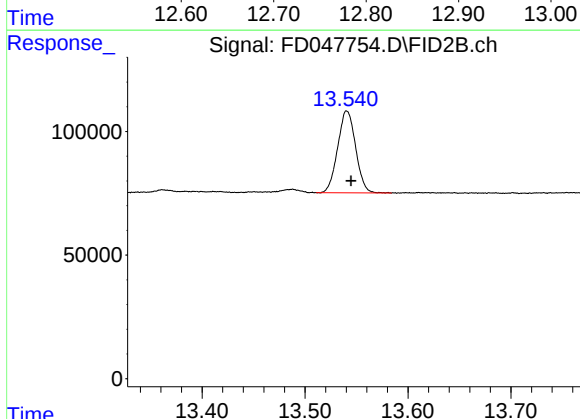
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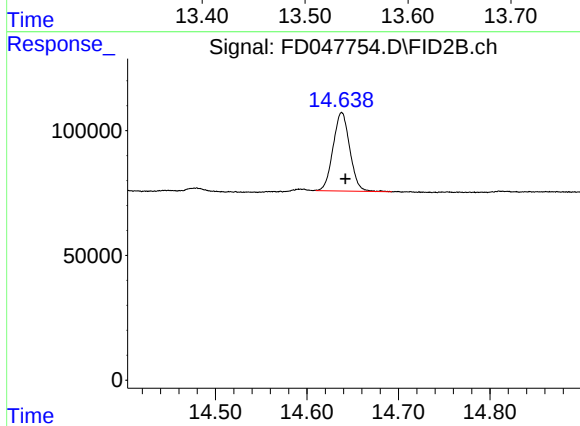
#12 1-chlorooctadecane (SURR)

R.T.: 12.791 min
Delta R.T.: 0.000 min
Response: 6011300
Conc: 36.89 ug/ml



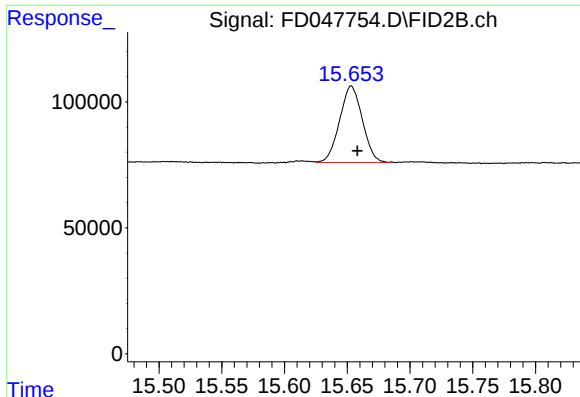
#13 n-Docosane (C22)

R.T.: 13.541 min
Delta R.T.: -0.004 min
Response: 402490
Conc: 2.12 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.638 min
Delta R.T.: -0.004 min
Response: 399520
Conc: 2.12 ug/ml



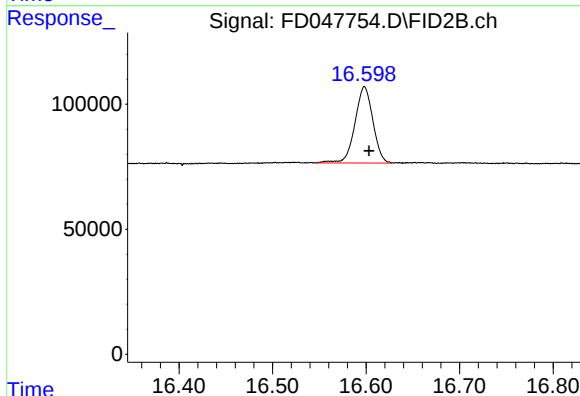
#15 n-Hexacosane (C26)

R.T.: 15.653 min
Delta R.T.: -0.005 min
Response: 385069
Conc: 2.13 ug/ml

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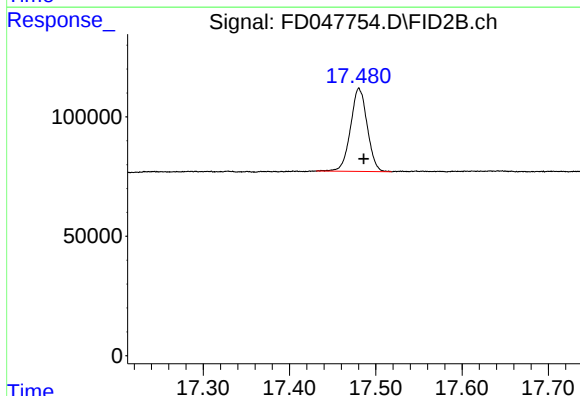
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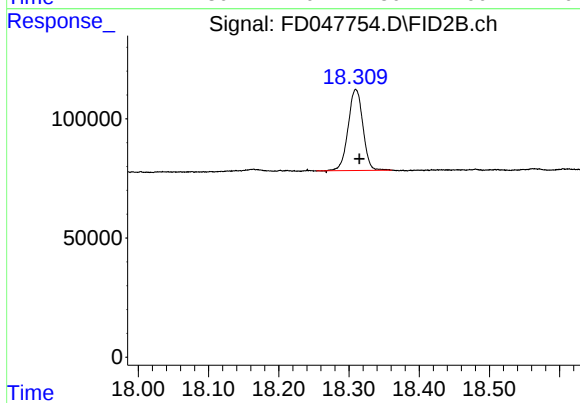
#16 n-Octacosane (C28)

R.T.: 16.598 min
Delta R.T.: -0.005 min
Response: 407979
Conc: 2.34 ug/ml m



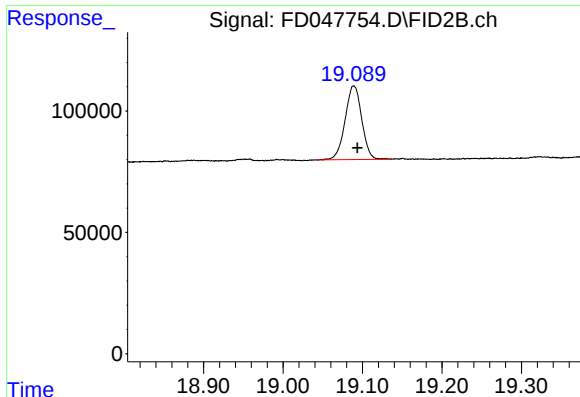
#17 n-Tricontane (C30)

R.T.: 17.481 min
Delta R.T.: -0.006 min
Response: 467233
Conc: 2.68 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.310 min
Delta R.T.: -0.005 min
Response: 495289
Conc: 2.91 ug/ml



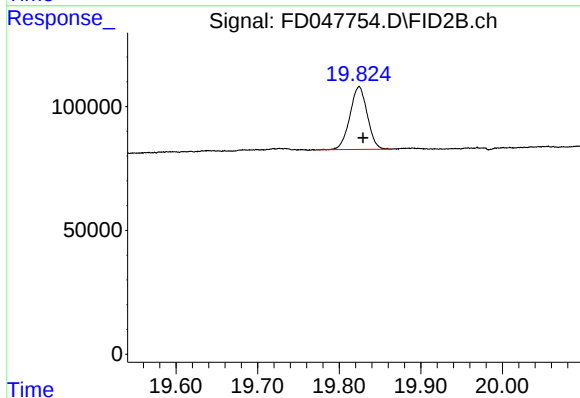
#19 n-Tetratriacontane (C34)

R.T.: 19.089 min
Delta R.T.: -0.005 min
Response: 442040
Conc: 2.74 ug/ml

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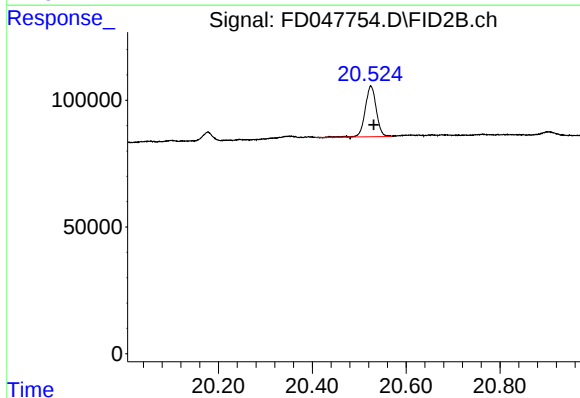
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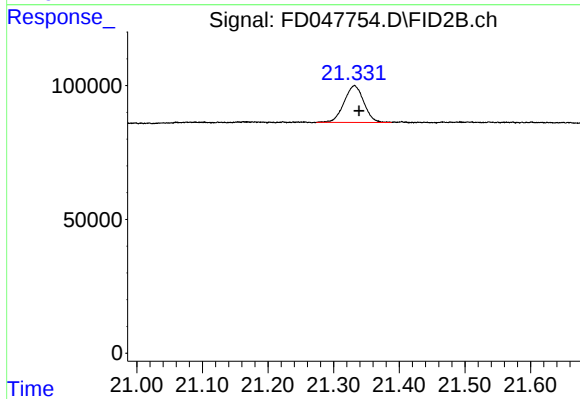
#20 n-Hexatriacontane (C36)

R.T.: 19.824 min
Delta R.T.: -0.005 min
Response: 374953
Conc: 2.45 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.525 min
Delta R.T.: -0.006 min
Response: 326052
Conc: 2.22 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.332 min
Delta R.T.: -0.007 min
Response: 286695
Conc: 2.02 ug/ml