

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101023AL\
 Data File : FD046711.D
 Signal(s) : FID2B.ch
 Acq On : 10 Oct 2023 11:03
 Operator : YP/AJ
 Sample : 04699-03
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 MDL-SOIL-03-QT4-2023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :Ankita Jodhani 10/11/2023

Integration File: autoint1.e
 Quant Time: Oct 11 00:26:27 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 091523.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 15 05:12:31 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...	12.814	3388487	21.504 ug/ml
Spiked Amount 50.000		Recovery =	43.01%
Target Compounds			
1) T n-Nonane (C9)	3.212	232802	1.408 ug/ml
2) T n-Decane (C10)	4.264	293614	1.742 ug/ml
4) T n-Dodecane (C12)	6.266	420527	2.476 ug/ml
6) T n-Tetradecane (C14)	8.050	378459	2.237 ug/ml
7) T n-Hexadecane (C16)	9.641	378540	2.143 ug/ml
8) T n-Octadecane (C18)	11.073	401237	2.189 ug/ml
10) T n-Eicosane (C20)	12.374	421878	2.333 ug/ml
11) T n-Heneicosane (C21)	12.981	395854	2.201 ug/ml
13) T n-Docosane (C22)	13.563	433599	2.401 ug/ml
14) T n-Tetracosane (C24)	14.658	491766	2.683 ug/ml
15) T n-Hexacosane (C26)	15.671	503199	2.812 ug/ml
16) T n-Octacosane (C28)	16.613	549006	3.181 ug/ml
17) T n-Tricontane (C30)	17.495	575229	3.346 ug/ml
18) T n-Dotriacontane (C32)	18.321	540035	3.302 ug/ml
19) T n-Tetratriacontane (C34)	19.098	440635	2.827 ug/ml
20) T n-Hexatriacontane (C36)	19.831	352884	2.510 ug/ml
21) T n-Octatriacontane (C38)	20.530	304425	2.274 ug/ml
22) T n-Tetracontane (C40)	21.341	267213	2.114 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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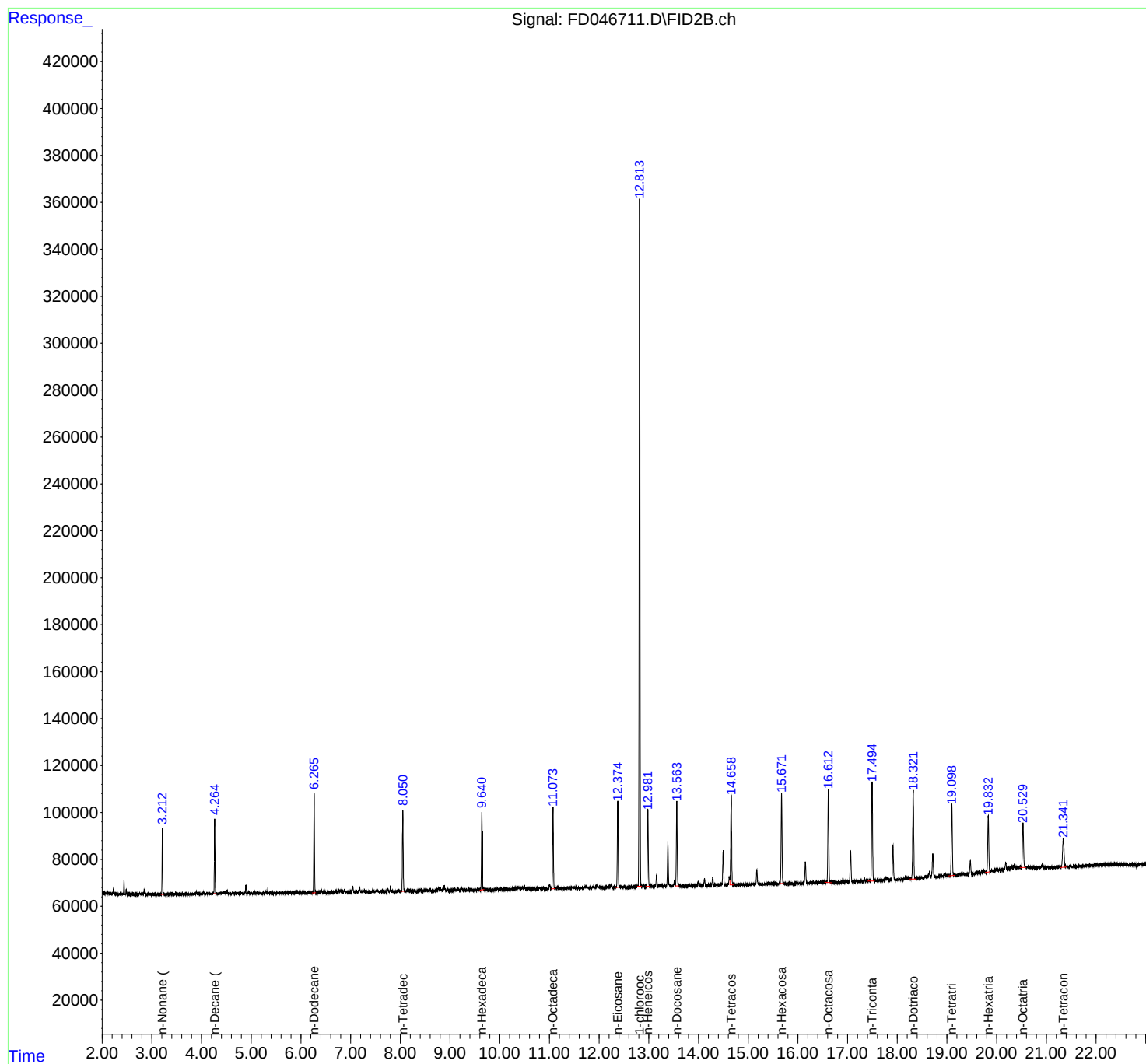
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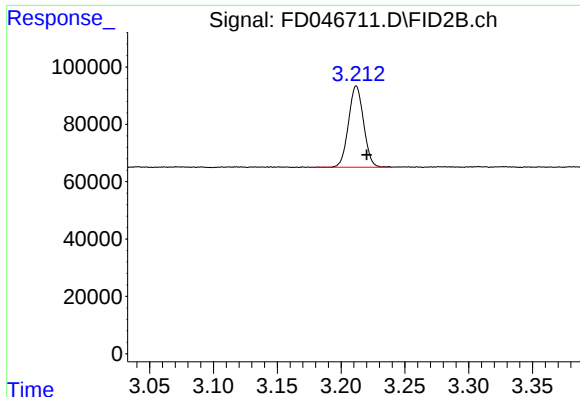
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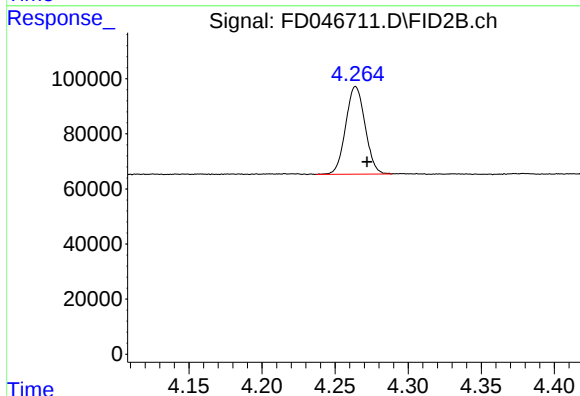
#1 n-Nonane (C9)

R.T.: 3.212 min
Delta R.T.: -0.008 min
Response: 232802
Conc: 1.41 ug/ml

Instrument : FID_D
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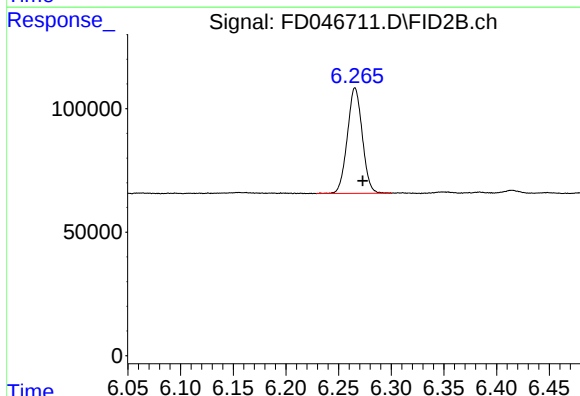
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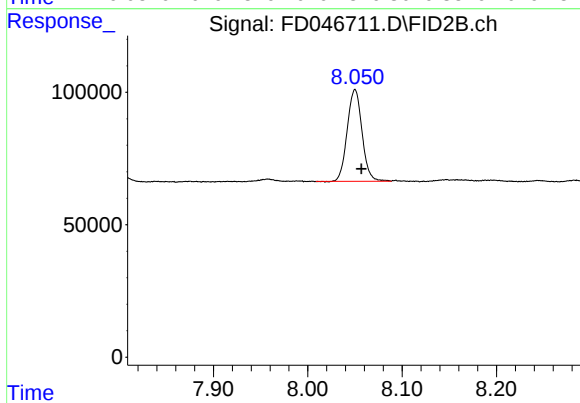
#2 n-Decane (C10)

R.T.: 4.264 min
Delta R.T.: -0.008 min
Response: 293614
Conc: 1.74 ug/ml



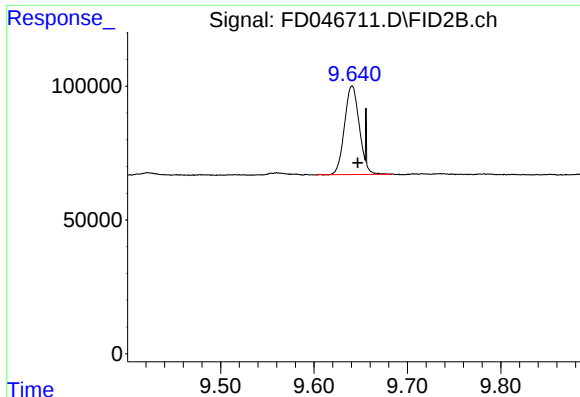
#4 n-Dodecane (C12)

R.T.: 6.266 min
Delta R.T.: -0.007 min
Response: 420527
Conc: 2.48 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.050 min
Delta R.T.: -0.007 min
Response: 378459
Conc: 2.24 ug/ml



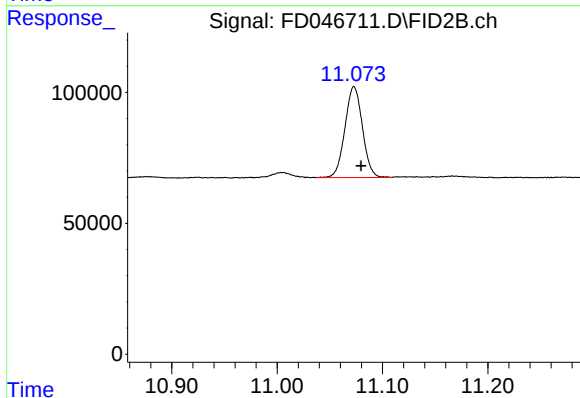
#7 n-Hexadecane (C16)

R.T.: 9.641 min
Delta R.T.: -0.006 min
Response: 378540
Conc: 2.14 ug/ml

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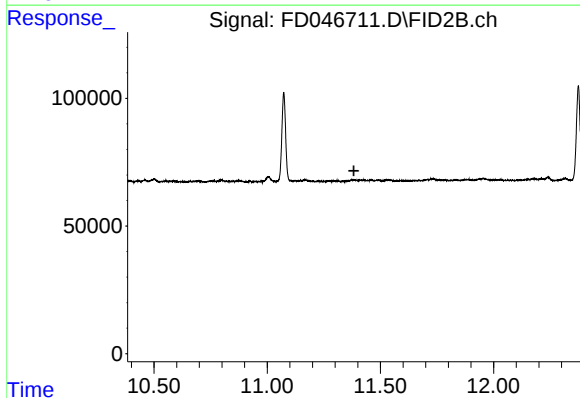
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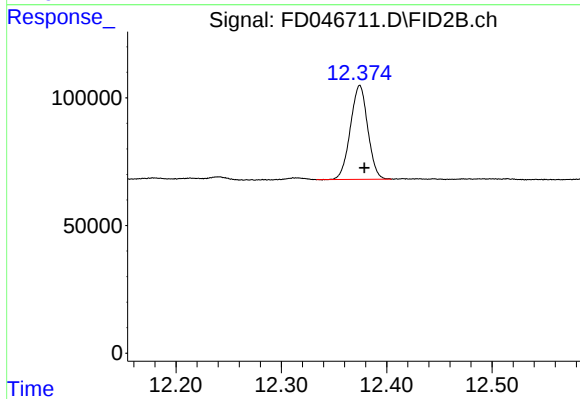
#8 n-Octadecane (C18)

R.T.: 11.073 min
Delta R.T.: -0.006 min
Response: 401237
Conc: 2.19 ug/ml



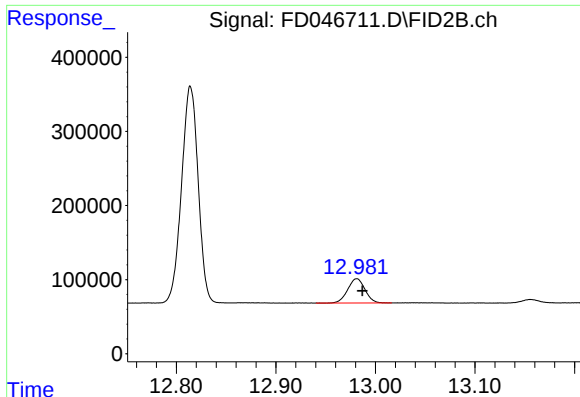
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.383 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.374 min
Delta R.T.: -0.004 min
Response: 421878
Conc: 2.33 ug/ml



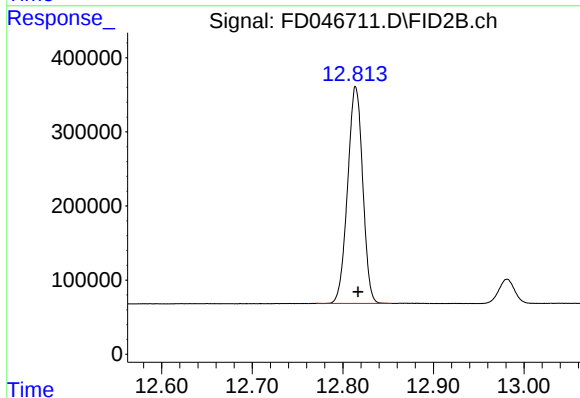
#11 n-Heneicosane (C21)

R.T.: 12.981 min
Delta R.T.: -0.006 min
Response: 395854
Conc: 2.20 ug/ml

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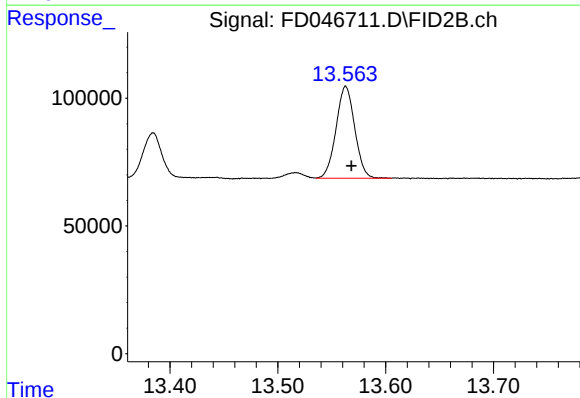
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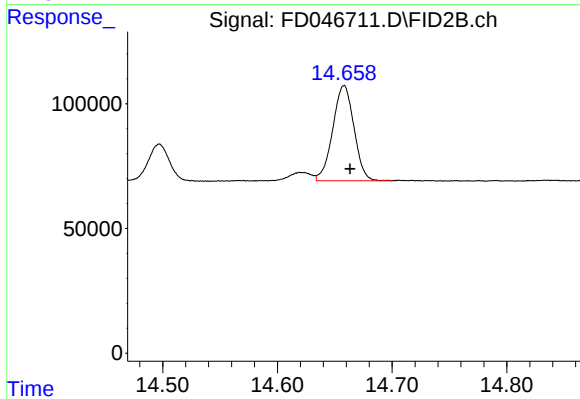
#12 1-chlorooctadecane (SURR)

R.T.: 12.814 min
Delta R.T.: -0.003 min
Response: 3388487
Conc: 21.50 ug/ml



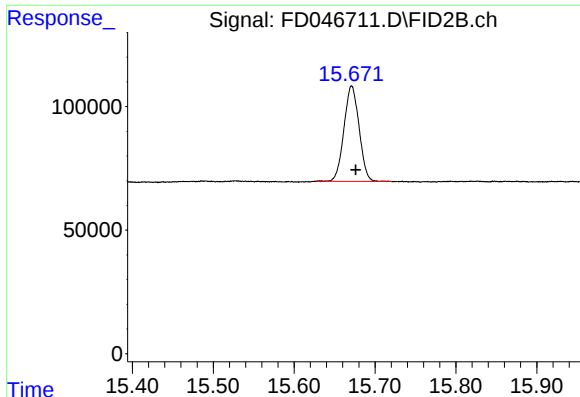
#13 n-Docosane (C22)

R.T.: 13.563 min
Delta R.T.: -0.005 min
Response: 433599
Conc: 2.40 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.658 min
Delta R.T.: -0.005 min
Response: 491766
Conc: 2.68 ug/ml



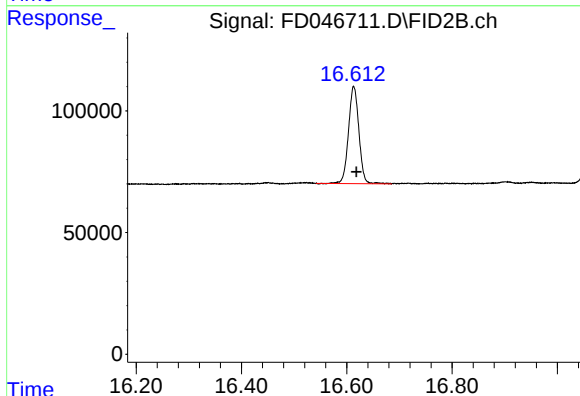
#15 n-Hexacosane (C26)

R.T.: 15.671 min
Delta R.T.: -0.005 min
Response: 503199
Conc: 2.81 ug/ml

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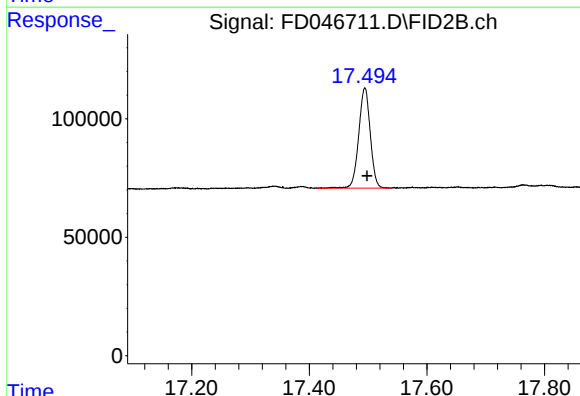
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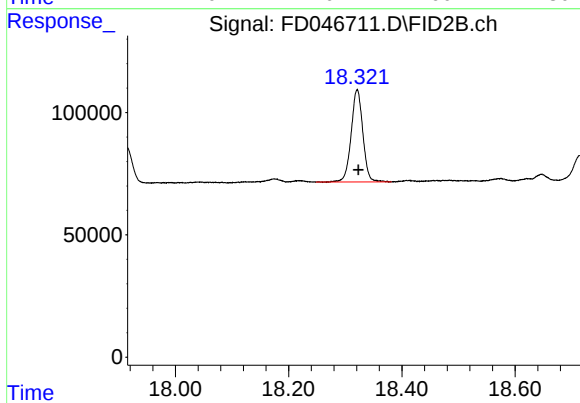
#16 n-Octacosane (C28)

R.T.: 16.613 min
Delta R.T.: -0.005 min
Response: 549006
Conc: 3.18 ug/ml



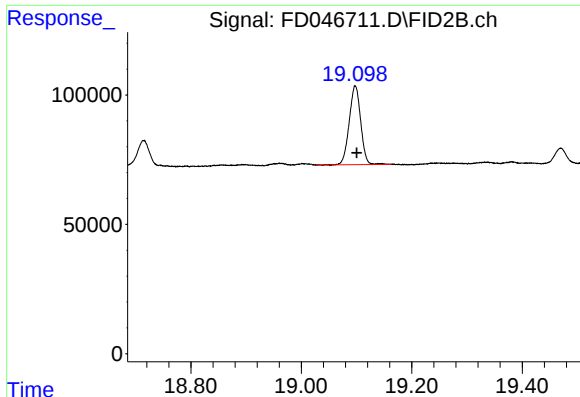
#17 n-Tricontane (C30)

R.T.: 17.495 min
Delta R.T.: -0.004 min
Response: 575229
Conc: 3.35 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.321 min
Delta R.T.: -0.002 min
Response: 540035
Conc: 3.30 ug/ml



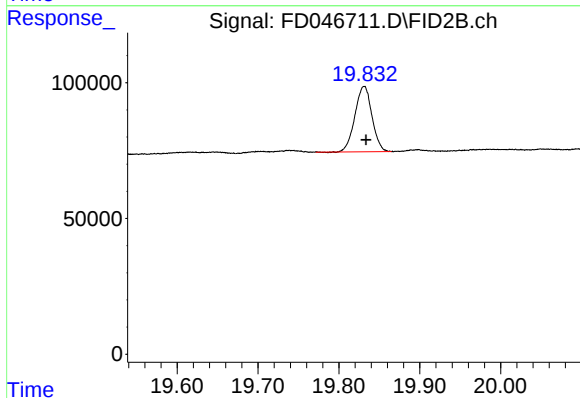
#19 n-Tetratriacontane (C34)

R.T.: 19.098 min
Delta R.T.: -0.003 min
Response: 440635
Conc: 2.83 ug/ml

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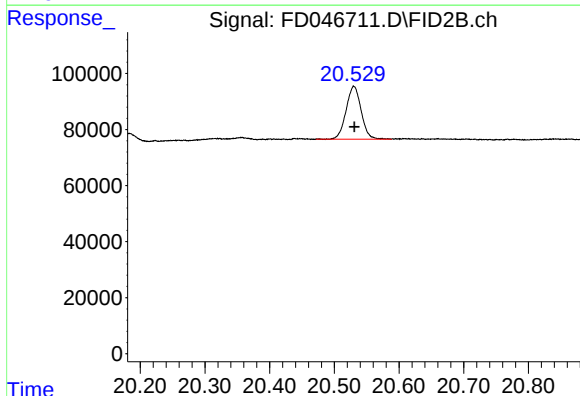
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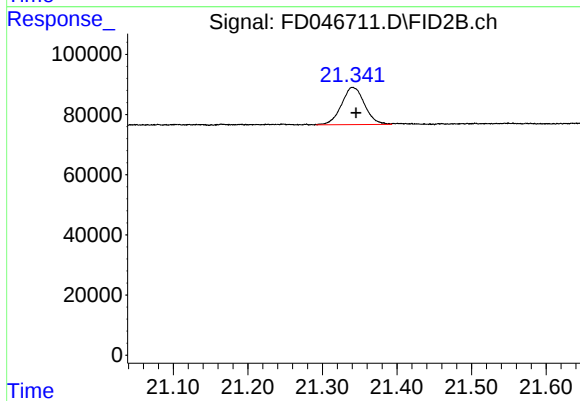
#20 n-Hexatriacontane (C36)

R.T.: 19.831 min
Delta R.T.: -0.002 min
Response: 352884
Conc: 2.51 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.530 min
Delta R.T.: 0.000 min
Response: 304425
Conc: 2.27 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.341 min
Delta R.T.: -0.004 min
Response: 267213
Conc: 2.11 ug/ml m