

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100923AL\
 Data File : FD046693.D
 Signal(s) : FID2B.ch
 Acq On : 09 Oct 2023 16:29
 Operator : YP/AJ
 Sample : 04699-07
 Misc : 2.5PPM WATER LOD
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2023

Manual Integrations
 APPROVED

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

Integration File: autoint1.e
 Quant Time: Oct 09 23:47:43 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...	12.816	3298355	20.932 ug/ml
Spiked Amount 50.000		Recovery =	41.86%
Target Compounds			
1) T n-Nonane (C9)	3.216	234754	1.420 ug/ml
2) T n-Decane (C10)	4.268	292299	1.734 ug/ml
4) T n-Dodecane (C12)	6.268	418696	2.465 ug/ml
6) T n-Tetradecane (C14)	8.052	376683	2.226 ug/ml
7) T n-Hexadecane (C16)	9.643	365868	2.071 ug/ml
8) T n-Octadecane (C18)	11.075	392721	2.142 ug/ml
10) T n-Eicosane (C20)	12.375	406806	2.250 ug/ml
11) T n-Heneicosane (C21)	12.983	385796	2.146 ug/ml
13) T n-Docosane (C22)	13.565	396769	2.197 ug/ml
14) T n-Tetracosane (C24)	14.660	403439	2.201 ug/mlm
15) T n-Hexacosane (C26)	15.673	384622	2.150 ug/ml
16) T n-Octacosane (C28)	16.615	396675	2.298 ug/ml
17) T n-Tricontane (C30)	17.496	430609	2.504 ug/ml
18) T n-Dotriacontane (C32)	18.321	421735	2.579 ug/ml
19) T n-Tetratriacontane (C34)	19.099	374370	2.402 ug/ml
20) T n-Hexatriacontane (C36)	19.831	324701	2.309 ug/ml
21) T n-Octatriacontane (C38)	20.531	283991	2.121 ug/ml
22) T n-Tetracontane (C40)	21.342	253444	2.005 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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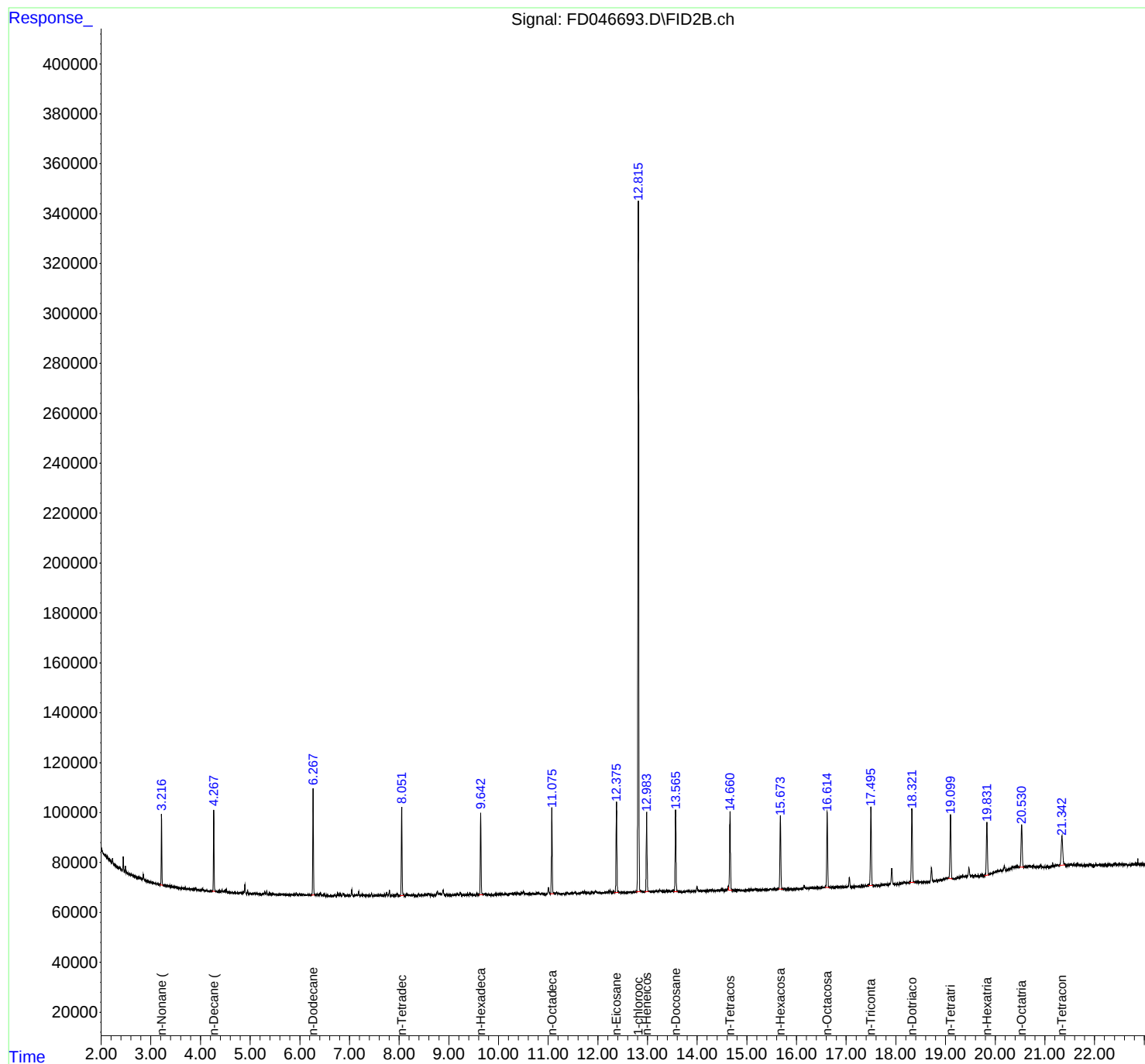
Instrument :
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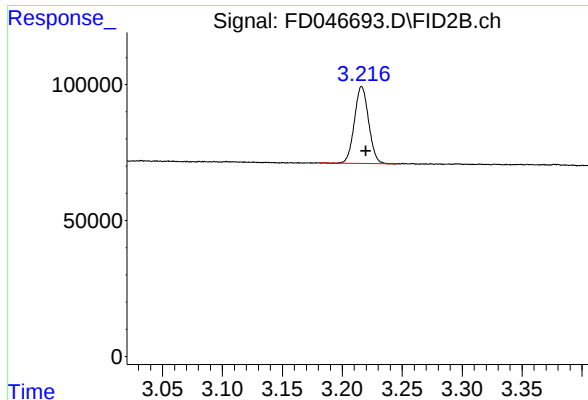
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Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um





#1 n-Nonane (C9)

R.T.: 3.216 min
Delta R.T.: -0.004 min
Response: 234754
Conc: 1.42 ug/ml

Instrument :

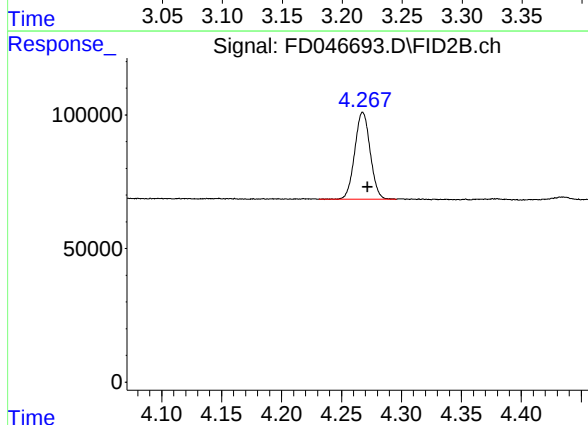
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ClientSampleId :

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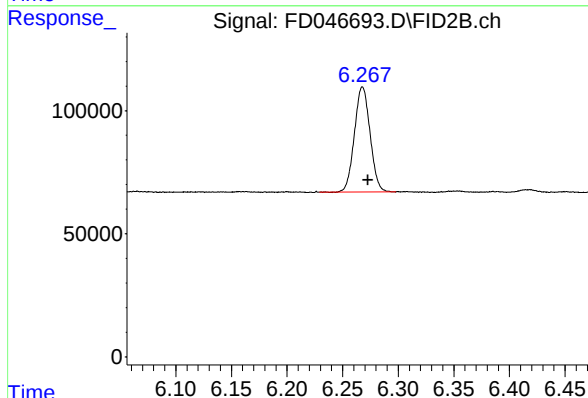
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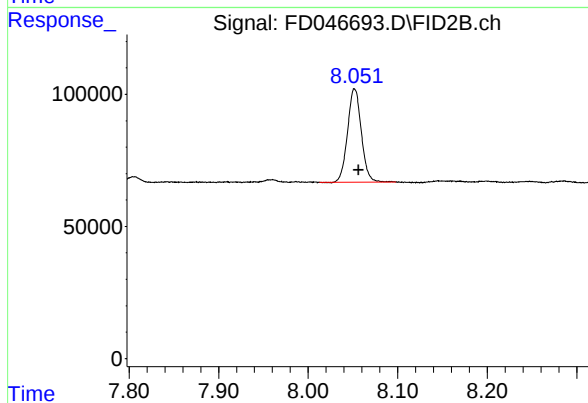
#2 n-Decane (C10)

R.T.: 4.268 min
Delta R.T.: -0.004 min
Response: 292299
Conc: 1.73 ug/ml



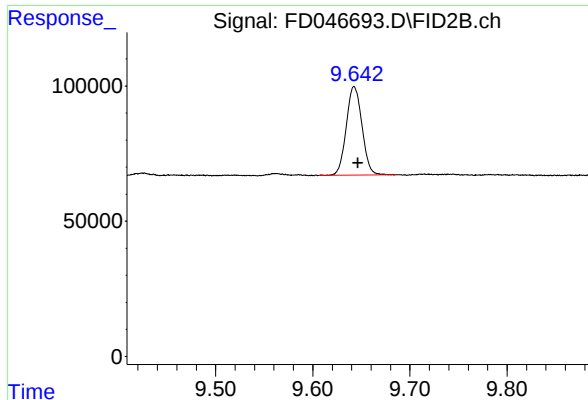
#4 n-Dodecane (C12)

R.T.: 6.268 min
Delta R.T.: -0.005 min
Response: 418696
Conc: 2.46 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.052 min
Delta R.T.: -0.005 min
Response: 376683
Conc: 2.23 ug/ml



#7 n-Hexadecane (C16)

R.T.: 9.643 min
Delta R.T.: -0.004 min
Response: 365868
Conc: 2.07 ug/ml

Instrument :

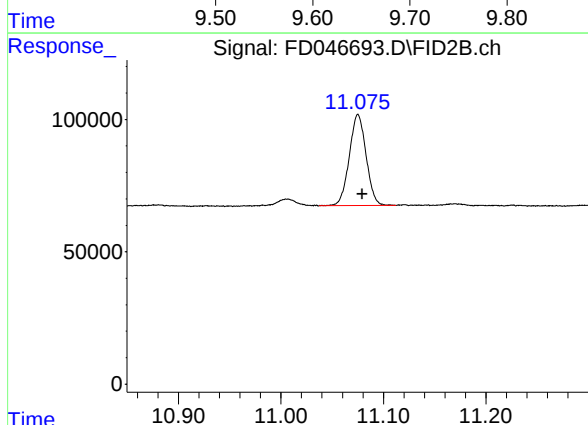
FID_D

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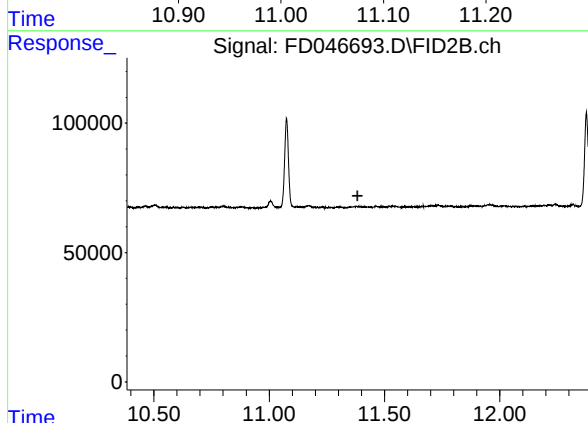
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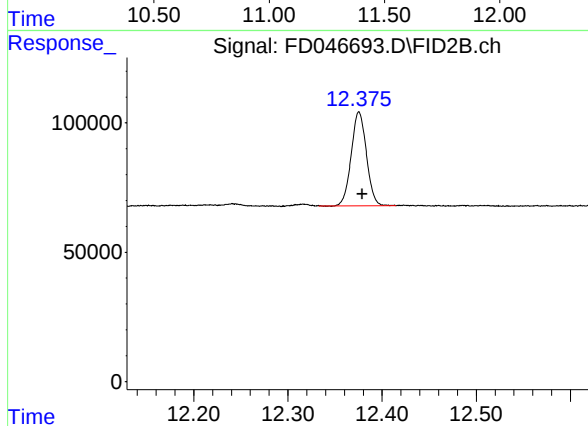
#8 n-Octadecane (C18)

R.T.: 11.075 min
Delta R.T.: -0.004 min
Response: 392721
Conc: 2.14 ug/ml



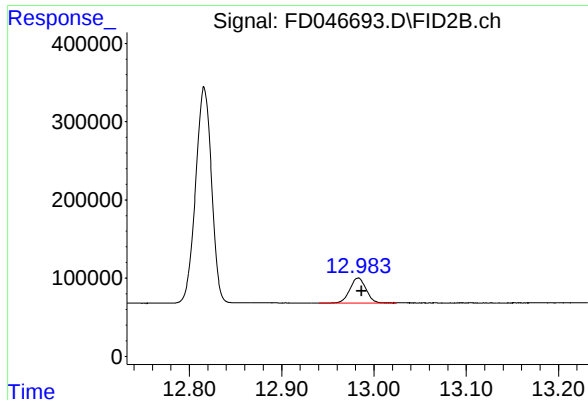
#9 ortho-Terphenyl (SURR)

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



#10 n-Eicosane (C20)

R.T.: 12.375 min
Delta R.T.: -0.003 min
Response: 406806
Conc: 2.25 ug/ml



#11 n-Heneicosane (C21)

R.T.: 12.983 min
Delta R.T.: -0.004 min
Response: 385796
Conc: 2.15 ug/ml

Instrument :

FID_D

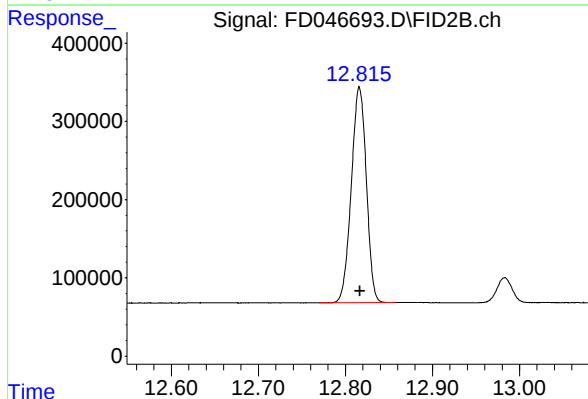
ClientSampleId :

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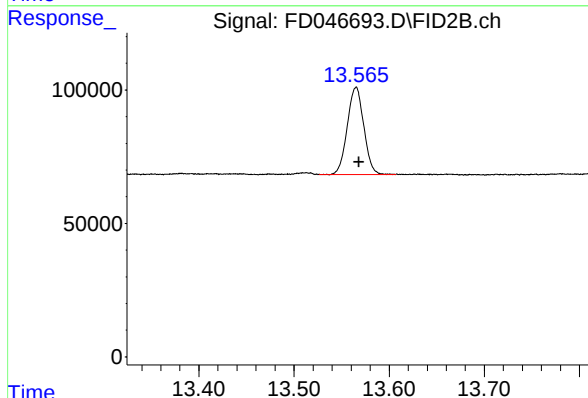
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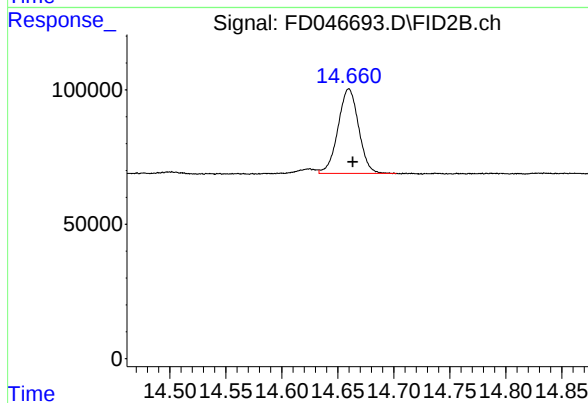
#12 1-chlorooctadecane (SURR)

R.T.: 12.816 min
Delta R.T.: 0.000 min
Response: 3298355
Conc: 20.93 ug/ml



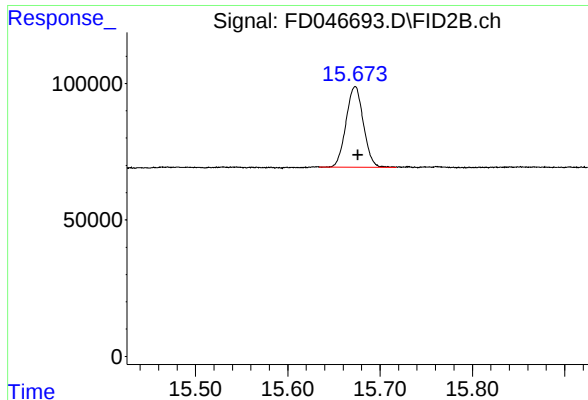
#13 n-Docosane (C22)

R.T.: 13.565 min
Delta R.T.: -0.003 min
Response: 396769
Conc: 2.20 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.660 min
Delta R.T.: -0.004 min
Response: 403439
Conc: 2.20 ug/ml m



#15 n-Hexacosane (C26)

R.T.: 15.673 min
Delta R.T.: -0.003 min
Response: 384622
Conc: 2.15 ug/ml

Instrument :

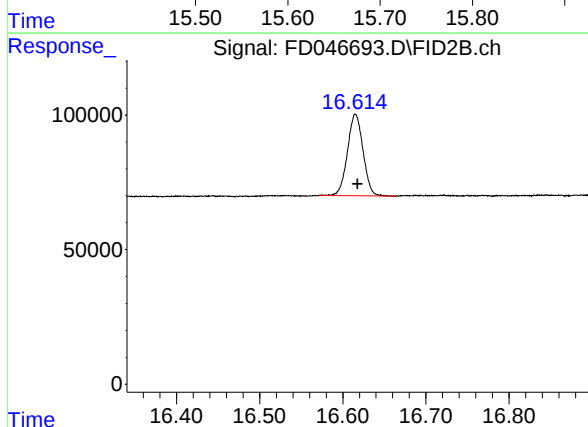
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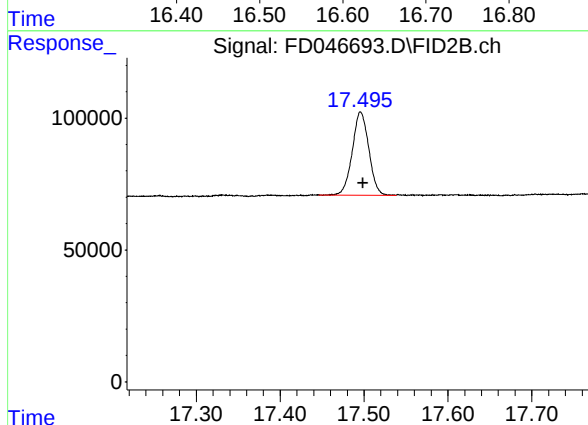
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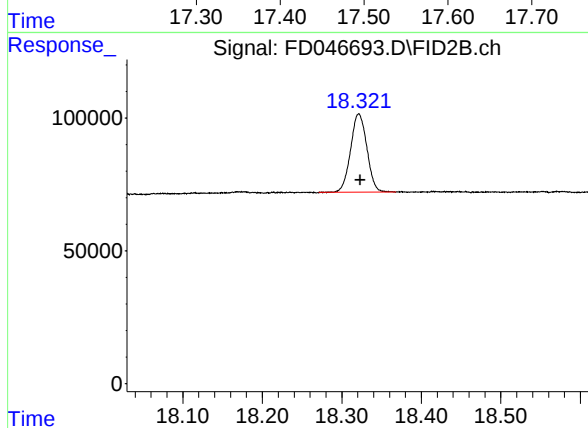
#16 n-Octacosane (C28)

R.T.: 16.615 min
Delta R.T.: -0.003 min
Response: 396675
Conc: 2.30 ug/ml



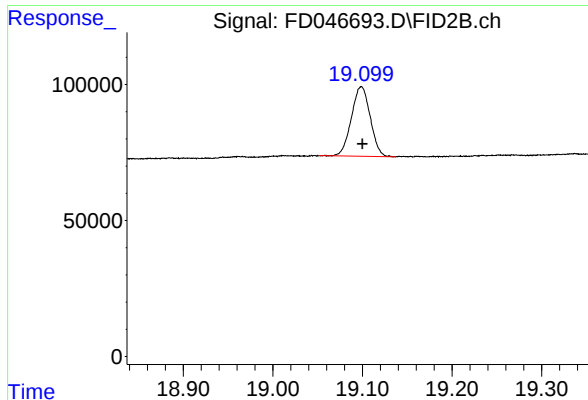
#17 n-Tricontane (C30)

R.T.: 17.496 min
Delta R.T.: -0.003 min
Response: 430609
Conc: 2.50 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.321 min
Delta R.T.: -0.002 min
Response: 421735
Conc: 2.58 ug/ml



#19 n-Tetratriacontane (C34)

R.T.: 19.099 min
Delta R.T.: -0.002 min
Response: 374370
Conc: 2.40 ug/ml

Instrument :

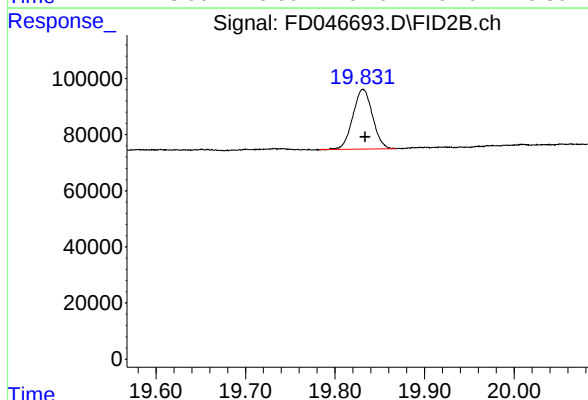
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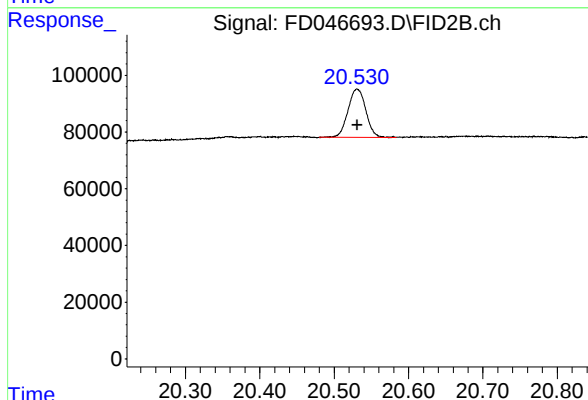
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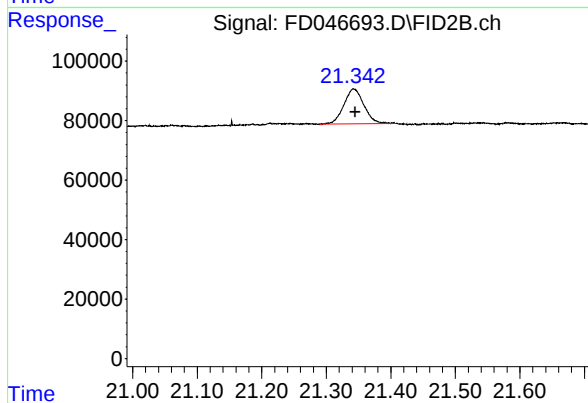
#20 n-Hexatriacontane (C36)

R.T.: 19.831 min
Delta R.T.: -0.002 min
Response: 324701
Conc: 2.31 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.531 min
Delta R.T.: 0.000 min
Response: 283991
Conc: 2.12 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.342 min
Delta R.T.: -0.003 min
Response: 253444
Conc: 2.00 ug/ml