

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101124AL\
 Data File : FD048481.D
 Signal(s) : FID2B.ch
 Acq On : 12 Oct 2024 12:52
 Operator : YP/AJ
 Sample : P4368-07
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/14/2024
 Supervised By :Ankita Jodhani 10/14/2024

Integration File: autoint1.e
 Quant Time: Oct 14 05:28:43 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 101024.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 10 14:48:19 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...	12.707	5536938	37.013 ug/ml
Spiked Amount 50.000		Recovery =	74.03%
Target Compounds			
1) T n-Nonane (C9)	3.129	234845	1.398 ug/ml
2) T n-Decane (C10)	4.173	295962	1.705 ug/ml
4) T n-Dodecane (C12)	6.166	366640	2.094 ug/ml
6) T n-Tetradecane (C14)	7.945	362811	2.079 ug/ml
7) T n-Hexadecane (C16)	9.535	362035	2.009 ug/ml
8) T n-Octadecane (C18)	10.966	379922	2.093 ug/ml
10) T n-Eicosane (C20)	12.267	386459	2.216 ug/ml
11) T n-Heneicosane (C21)	12.874	384906	2.250 ug/ml
13) T n-Docosane (C22)	13.459	382106	2.237 ug/ml
14) T n-Tetracosane (C24)	14.554	368170	2.174 ug/ml
15) T n-Hexacosane (C26)	15.570	371660	2.245 ug/ml
16) T n-Octacosane (C28)	16.514	360739	2.191 ug/ml
17) T n-Tricontane (C30)	17.396	389065	2.269 ug/ml
18) T n-Dotriacontane (C32)	18.224	366970	2.193 ug/ml
19) T n-Tetratriacontane (C34)	19.003	354844	2.459 ug/ml
20) T n-Hexatriacontane (C36)	19.738	301675	2.513 ug/mlm
21) T n-Octatriacontane (C38)	20.436	277462	2.478 ug/mlm
22) T n-Tetracontane (C40)	21.221	232985	2.327 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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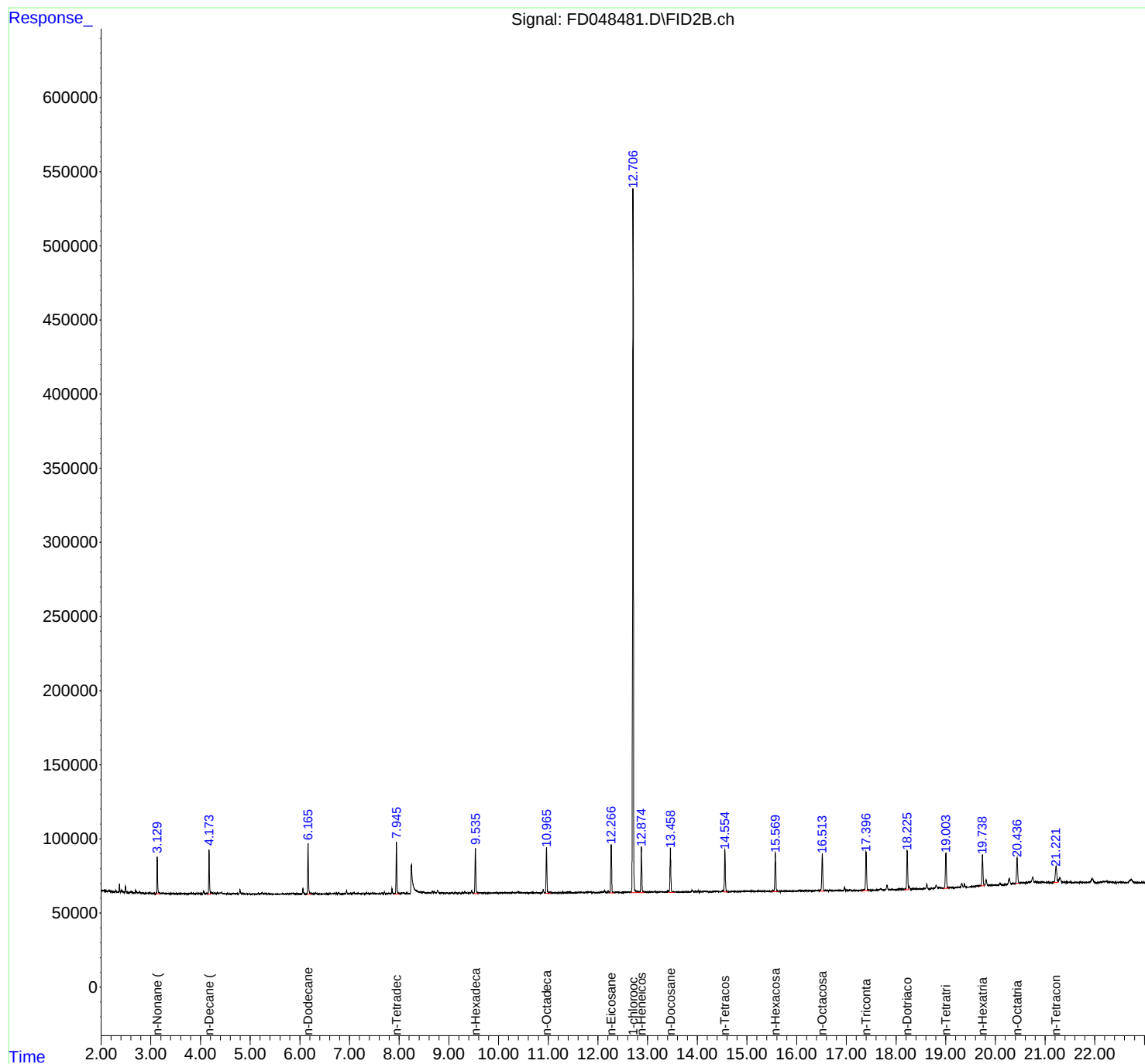
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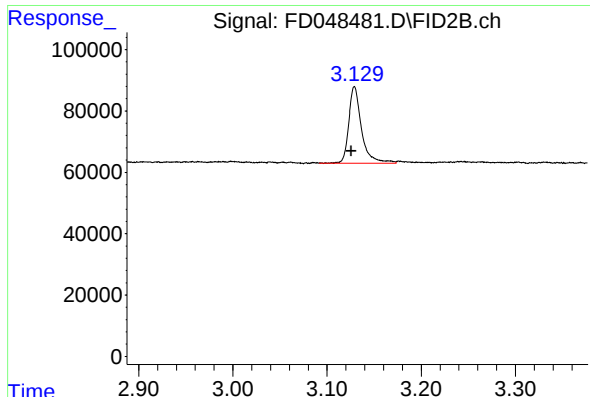
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#1 n-Nonane (C9)

R.T.: 3.129 min
Delta R.T.: 0.003 min
Response: 234845
Conc: 1.40 ug/ml

Instrument :

FID_D

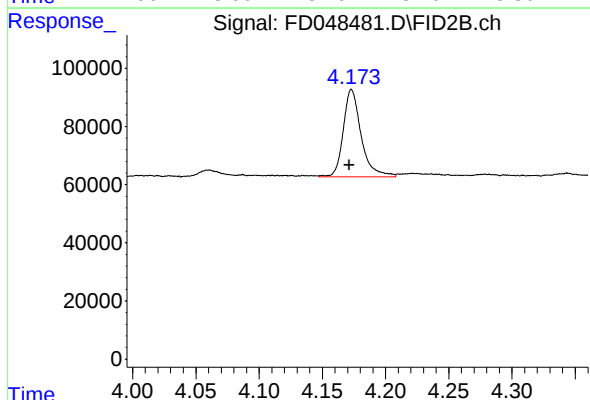
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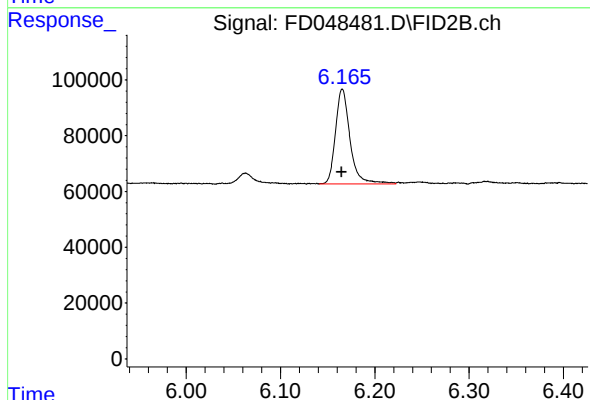
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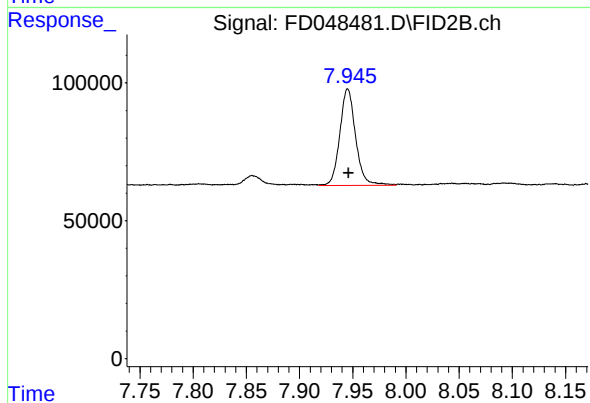
#2 n-Decane (C10)

R.T.: 4.173 min
Delta R.T.: 0.002 min
Response: 295962
Conc: 1.71 ug/ml



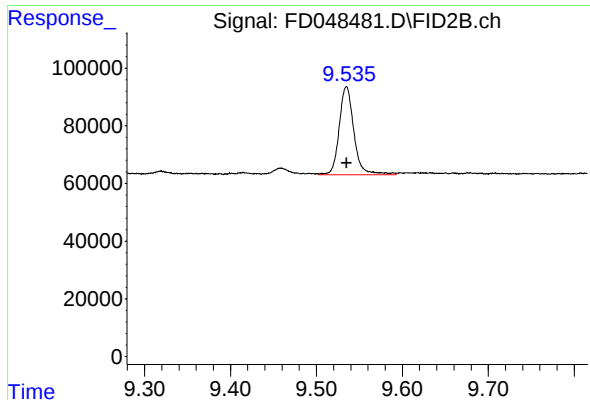
#4 n-Dodecane (C12)

R.T.: 6.166 min
Delta R.T.: 0.000 min
Response: 366640
Conc: 2.09 ug/ml



#6 n-Tetradecane (C14)

R.T.: 7.945 min
Delta R.T.: 0.000 min
Response: 362811
Conc: 2.08 ug/ml



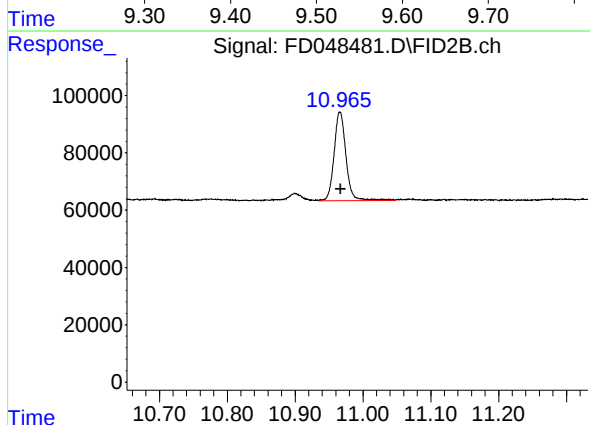
#7 n-Hexadecane (C16)

R.T.: 9.535 min
Delta R.T.: 0.000 min
Response: 362035
Conc: 2.01 ug/ml

Instrument :
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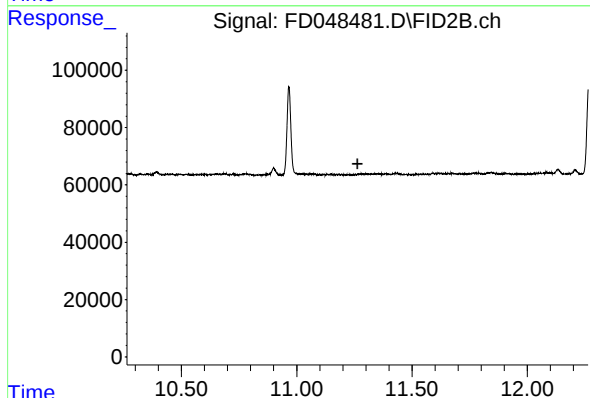
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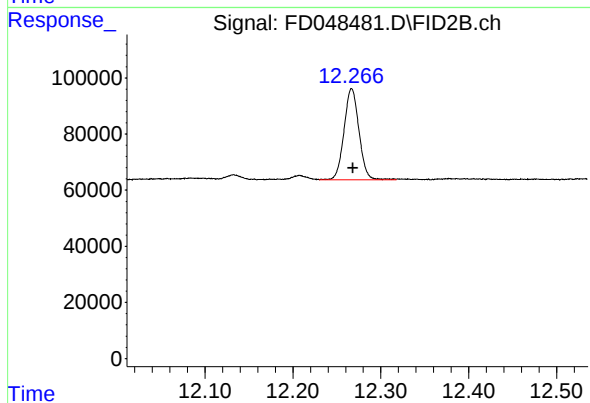
#8 n-Octadecane (C18)

R.T.: 10.966 min
Delta R.T.: 0.000 min
Response: 379922
Conc: 2.09 ug/ml



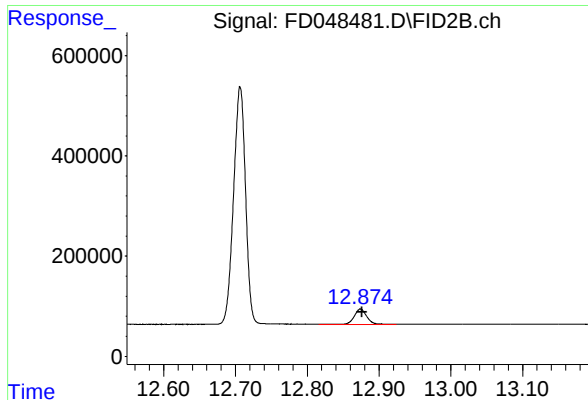
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.264 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.267 min
Delta R.T.: -0.001 min
Response: 386459
Conc: 2.22 ug/ml



#11 n-Heneicosane (C21)

R.T.: 12.874 min
Delta R.T.: -0.002 min
Response: 384906
Conc: 2.25 ug/ml

Instrument :

FID_D

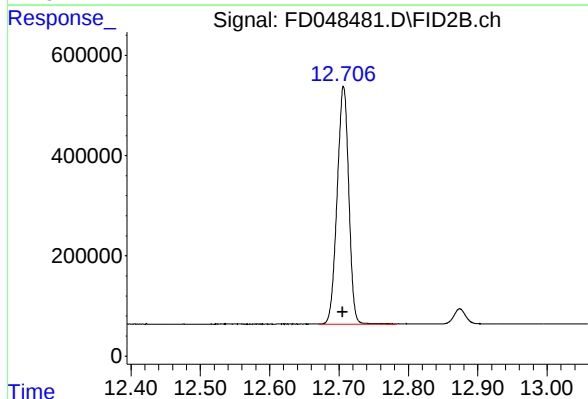
ClientSampleId :

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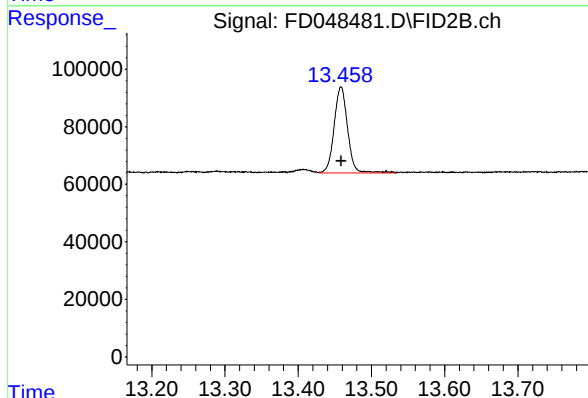
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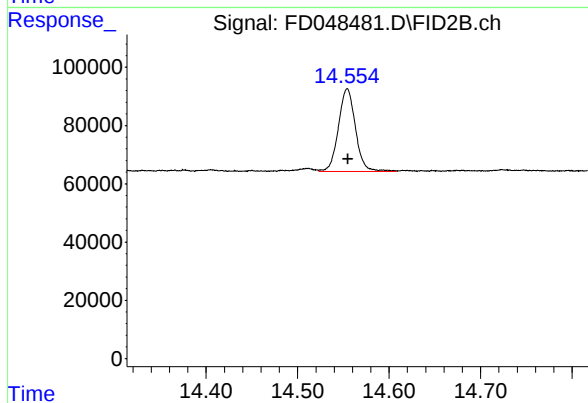
#12 1-chlorooctadecane (SURR)

R.T.: 12.707 min
Delta R.T.: 0.001 min
Response: 5536938
Conc: 37.01 ug/ml



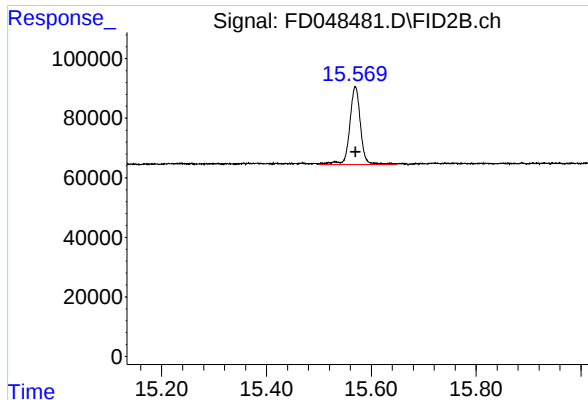
#13 n-Docosane (C22)

R.T.: 13.459 min
Delta R.T.: 0.000 min
Response: 382106
Conc: 2.24 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.554 min
Delta R.T.: 0.000 min
Response: 368170
Conc: 2.17 ug/ml



#15 n-Hexacosane (C26)

R.T.: 15.570 min
Delta R.T.: 0.000 min
Response: 371660
Conc: 2.25 ug/ml

Instrument :

FID_D

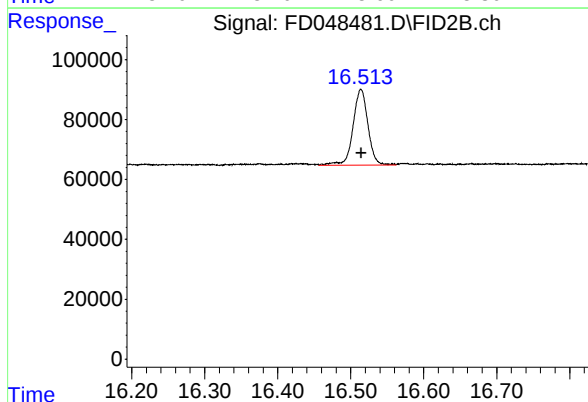
ClientSampleId :

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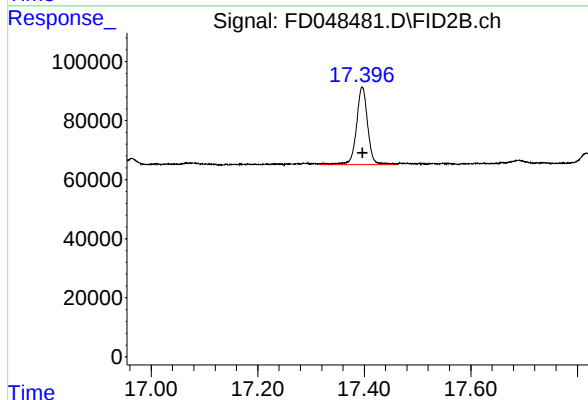
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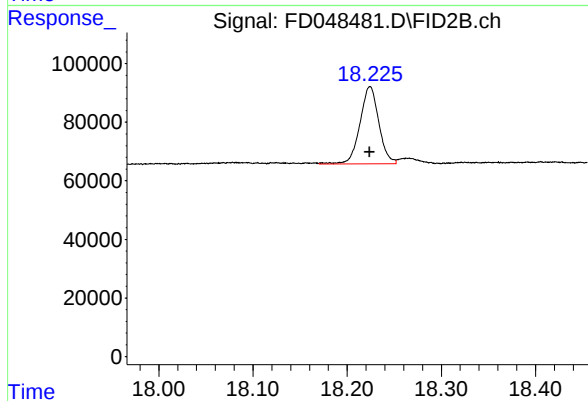
#16 n-Octacosane (C28)

R.T.: 16.514 min
Delta R.T.: 0.000 min
Response: 360739
Conc: 2.19 ug/ml



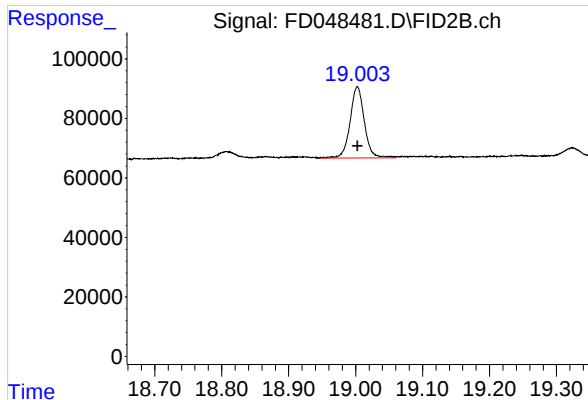
#17 n-Tricontane (C30)

R.T.: 17.396 min
Delta R.T.: 0.000 min
Response: 389065
Conc: 2.27 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.224 min
Delta R.T.: 0.000 min
Response: 366970
Conc: 2.19 ug/ml



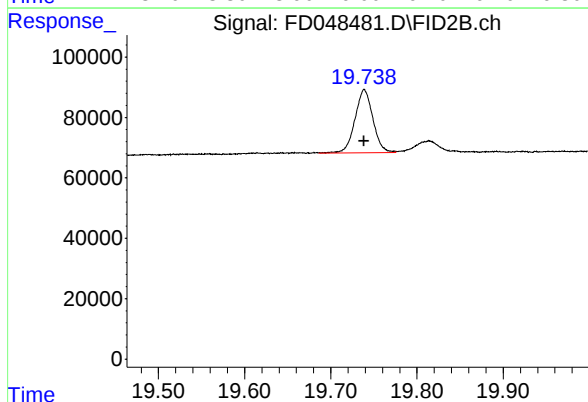
#19 n-Tetratriacontane (C34)

R.T.: 19.003 min
Delta R.T.: 0.000 min
Response: 354844
Conc: 2.46 ug/ml

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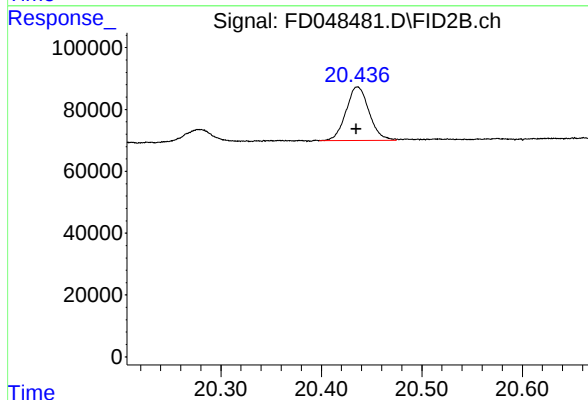
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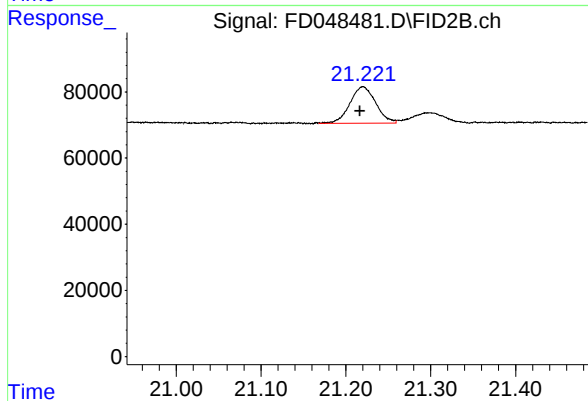
#20 n-Hexatriacontane (C36)

R.T.: 19.738 min
Delta R.T.: 0.000 min
Response: 301675
Conc: 2.51 ug/ml m



#21 n-Octatriacontane (C38)

R.T.: 20.436 min
Delta R.T.: 0.000 min
Response: 277462
Conc: 2.48 ug/ml m



#22 n-Tetracontane (C40)

R.T.: 21.221 min
Delta R.T.: 0.004 min
Response: 232985
Conc: 2.33 ug/ml m