

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF051324AL\
 Data File : FF014223.D
 Signal(s) : FID2B.ch
 Acq On : 13 May 2024 13:26
 Operator : YP\AJ
 Sample : P2403-07
 Misc : 4 PPM WATER LOD
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 FID_F
 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 01:35:08 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 051124.M
 Quant Title : GC Extractables
 QLast Update : Sat May 11 04:41:44 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...	13.281	4719776	46.536 ug/ml
Spiked Amount 50.000		Recovery =	93.07%
Target Compounds			
1) T n-Nonane (C9)	3.238	291814	2.240 ug/ml
2) T n-Decane (C10)	4.487	362332	2.734 ug/ml
4) T n-Dodecane (C12)	6.650	493187	3.712 ug/ml
6) T n-Tetradecane (C14)	8.477	446715	3.458 ug/ml
7) T n-Hexadecane (C16)	10.083	423373	3.234 ug/ml
8) T n-Octadecane (C18)	11.525	477443	3.591 ug/ml
10) T n-Eicosane (C20)	12.836	490679	3.843 ug/ml
11) T n-Heneicosane (C21)	13.448	472823	3.783 ug/ml
13) T n-Docosane (C22)	14.035	485123	3.940 ug/ml
14) T n-Tetracosane (C24)	15.138	471801	3.907 ug/mlm
15) T n-Hexacosane (C26)	16.160	460563	3.956 ug/mlm
16) T n-Octacosane (C28)	17.110	434513	3.868 ug/ml
17) T n-Tricontane (C30)	18.000	430155	3.830 ug/ml
18) T n-Dotriacontane (C32)	18.833	420722	3.863 ug/ml
19) T n-Tetratriacontane (C34)	19.616	367246	3.525 ug/ml
20) T n-Hexatriacontane (C36)	20.356	306278	3.090 ug/ml
21) T n-Octatriacontane (C38)	21.078	262288	2.718 ug/ml
22) T n-Tetracontane (C40)	21.961	231888	2.472 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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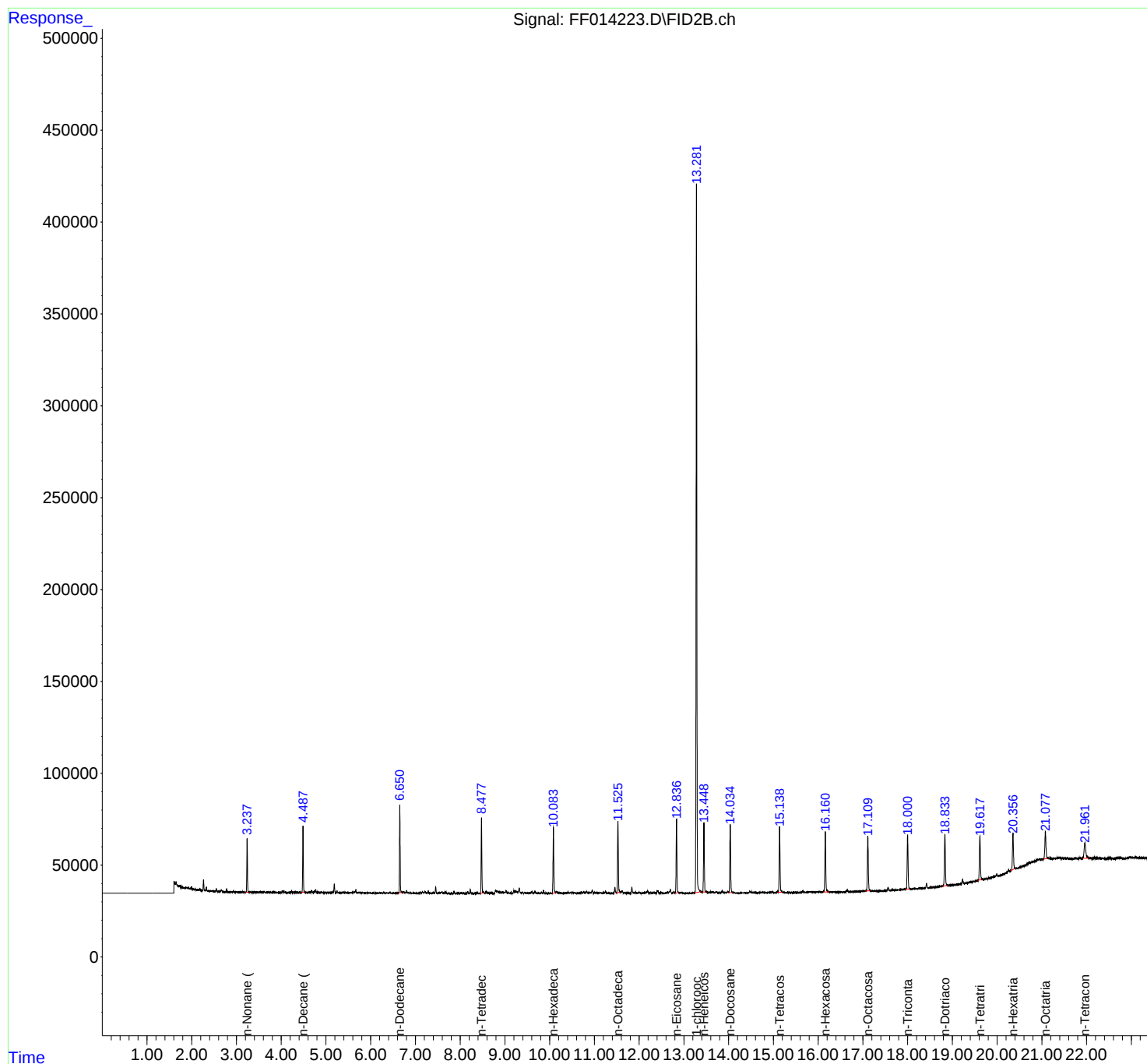
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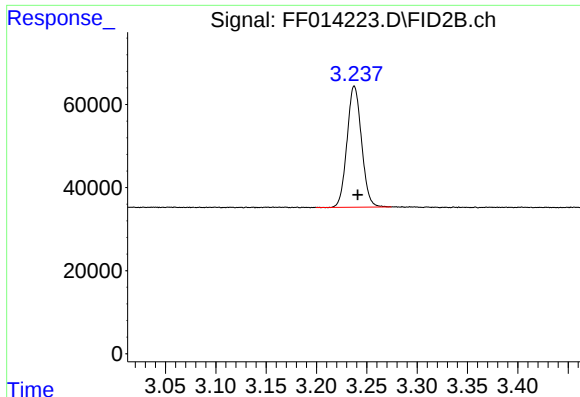
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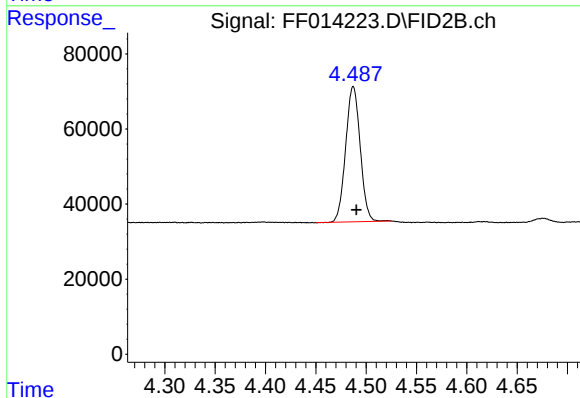
#1 n-Nonane (C9)

R.T.: 3.238 min
Delta R.T.: -0.003 min
Response: 291814
Conc: 2.24 ug/ml

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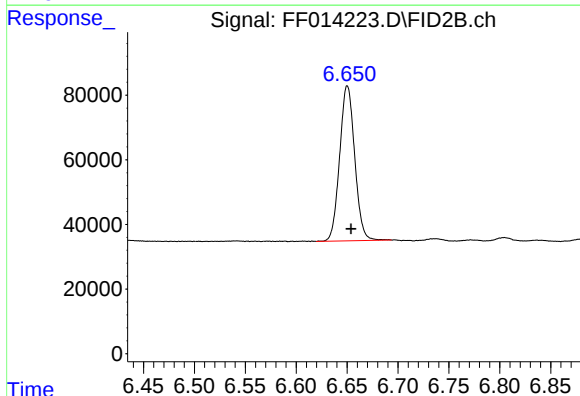
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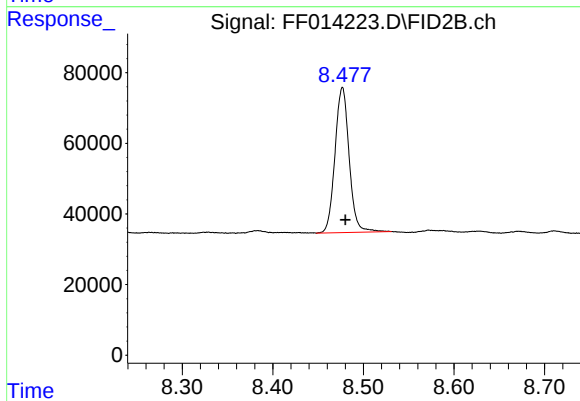
#2 n-Decane (C10)

R.T.: 4.487 min
Delta R.T.: -0.003 min
Response: 362332
Conc: 2.73 ug/ml



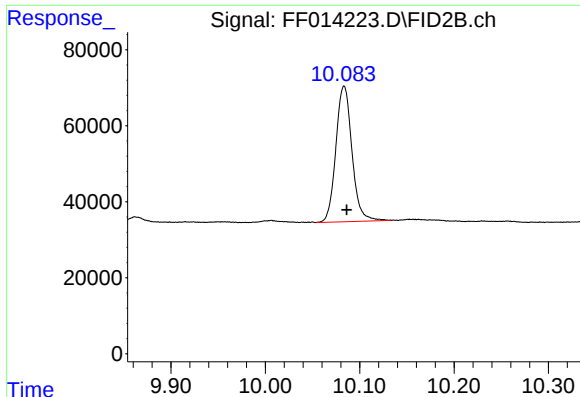
#4 n-Dodecane (C12)

R.T.: 6.650 min
Delta R.T.: -0.003 min
Response: 493187
Conc: 3.71 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.477 min
Delta R.T.: -0.003 min
Response: 446715
Conc: 3.46 ug/ml



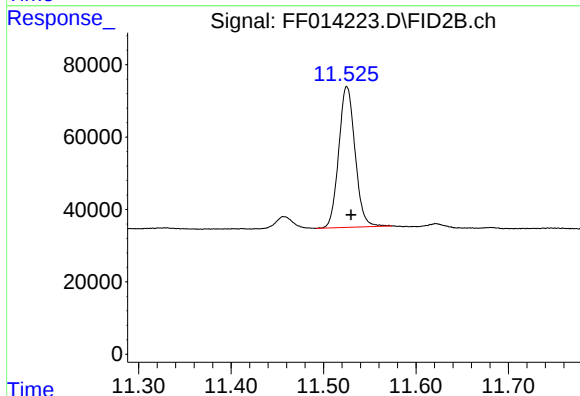
#7 n-Hexadecane (C16)

R.T.: 10.083 min
Delta R.T.: -0.003 min
Response: 423373
Conc: 3.23 ug/ml

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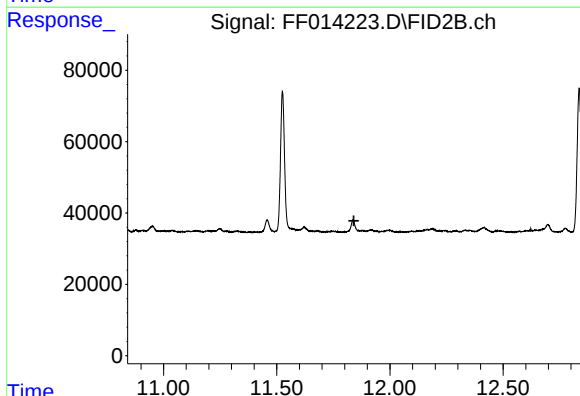
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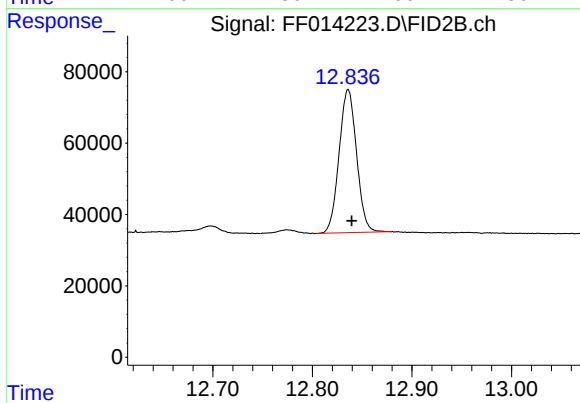
#8 n-Octadecane (C18)

R.T.: 11.525 min
Delta R.T.: -0.005 min
Response: 477443
Conc: 3.59 ug/ml



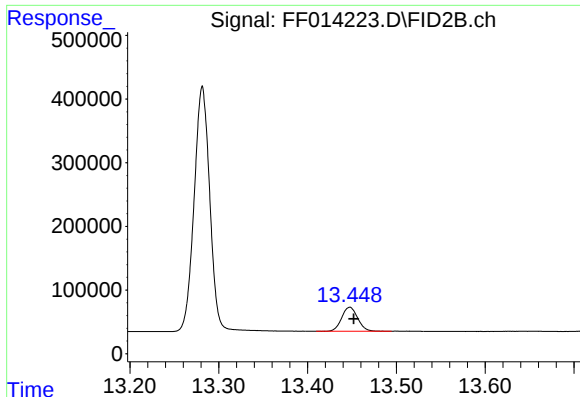
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.841 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.836 min
Delta R.T.: -0.004 min
Response: 490679
Conc: 3.84 ug/ml



#11 n-Heneicosane (C21)

R.T.: 13.448 min
Delta R.T.: -0.004 min
Response: 472823
Conc: 3.78 ug/ml

Instrument :

FID_F

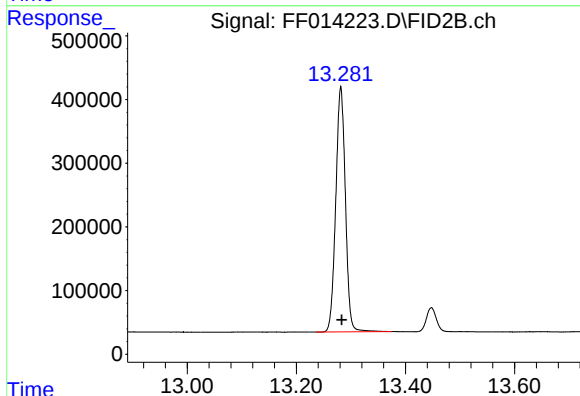
ClientSampleId :

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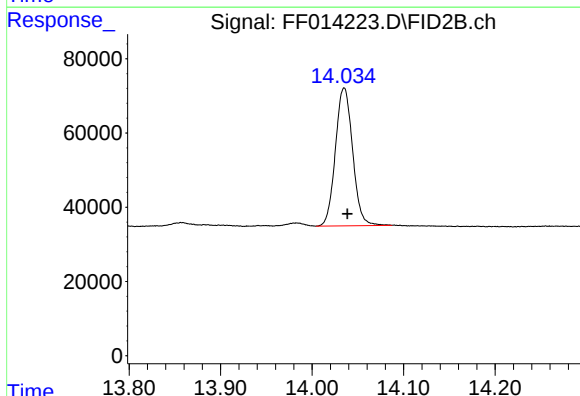
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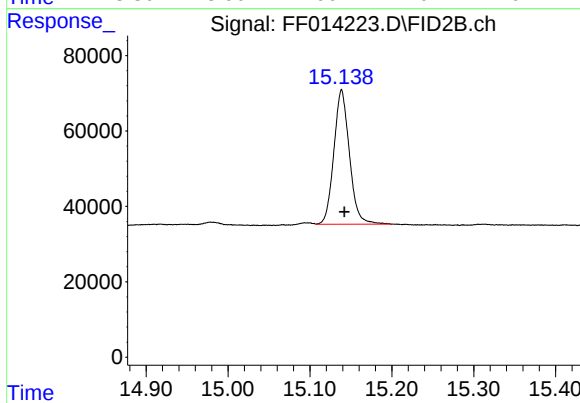
#12 1-chlorooctadecane (SURR)

R.T.: 13.281 min
Delta R.T.: -0.002 min
Response: 4719776
Conc: 46.54 ug/ml



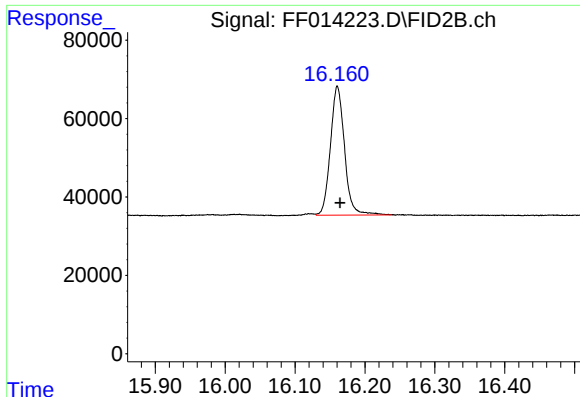
#13 n-Docosane (C22)

R.T.: 14.035 min
Delta R.T.: -0.003 min
Response: 485123
Conc: 3.94 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.138 min
Delta R.T.: -0.004 min
Response: 471801
Conc: 3.91 ug/ml m



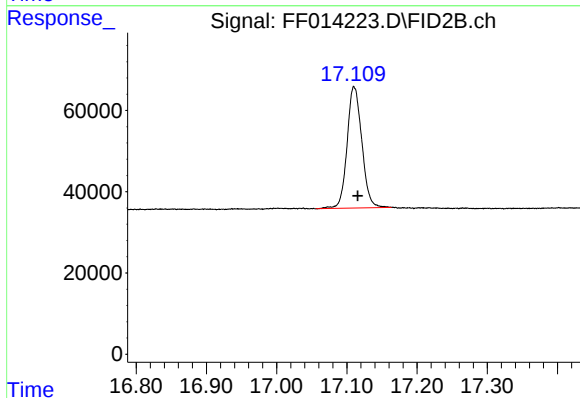
#15 n-Hexacosane (C26)

R.T.: 16.160 min
Delta R.T.: -0.005 min
Response: 460563
Conc: 3.96 ug/ml

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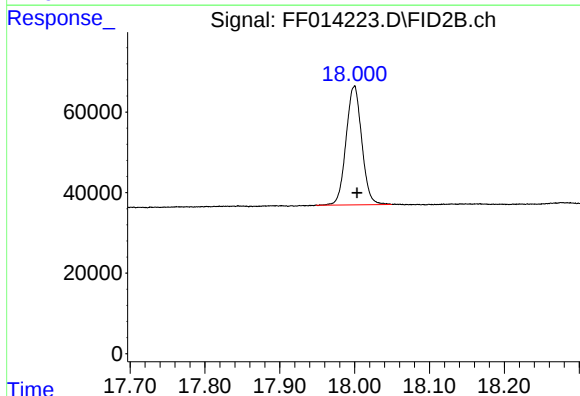
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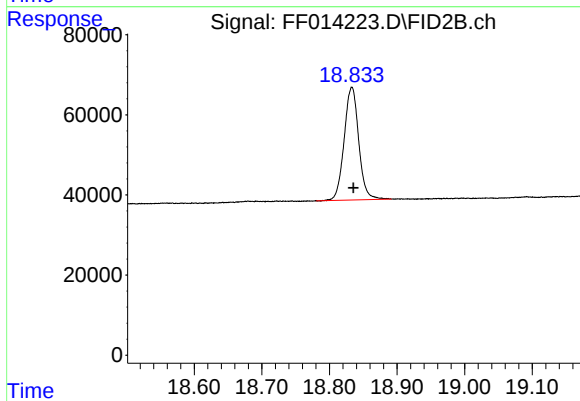
#16 n-Octacosane (C28)

R.T.: 17.110 min
Delta R.T.: -0.005 min
Response: 434513
Conc: 3.87 ug/ml



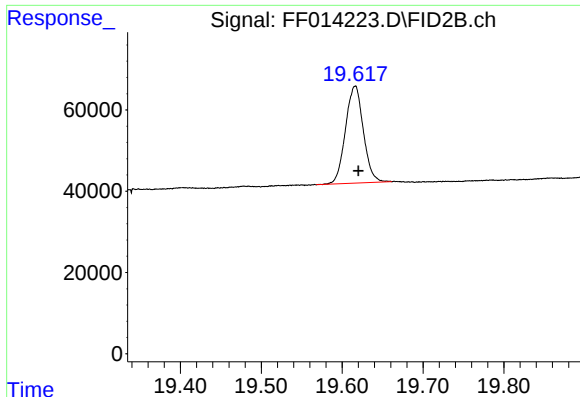
#17 n-Tricontane (C30)

R.T.: 18.000 min
Delta R.T.: -0.004 min
Response: 430155
Conc: 3.83 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.833 min
Delta R.T.: -0.003 min
Response: 420722
Conc: 3.86 ug/ml



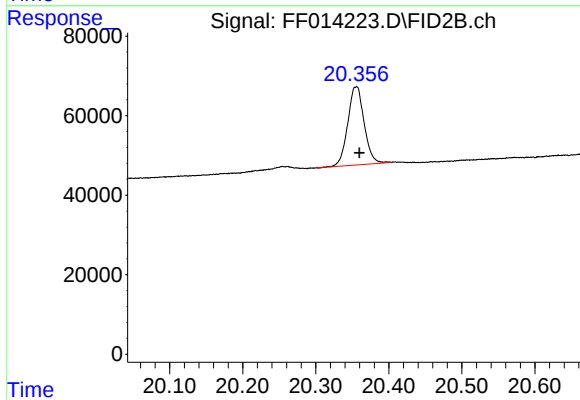
#19 n-Tetratriacontane (C34)

R.T.: 19.616 min
Delta R.T.: -0.004 min
Response: 367246
Conc: 3.53 ug/ml

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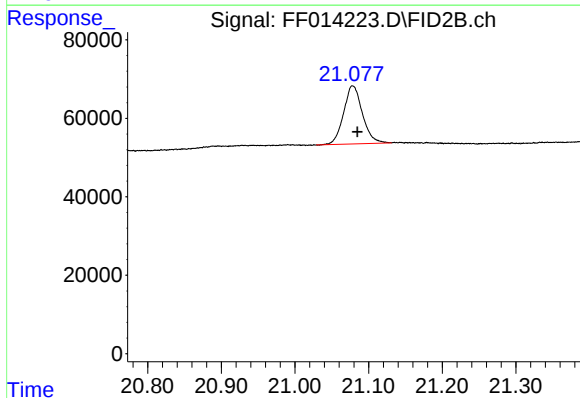
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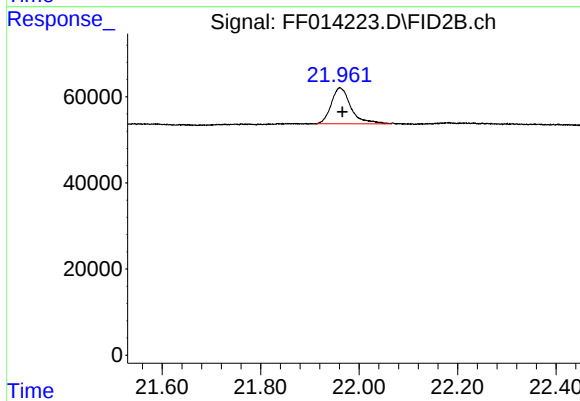
#20 n-Hexatriacontane (C36)

R.T.: 20.356 min
Delta R.T.: -0.004 min
Response: 306278
Conc: 3.09 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.078 min
Delta R.T.: -0.006 min
Response: 262288
Conc: 2.72 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.961 min
Delta R.T.: -0.005 min
Response: 231888
Conc: 2.47 ug/ml m