

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF013025AL\
 Data File : FF015386.D
 Signal(s) : FID2B.ch
 Acq On : 30 Jan 2025 06:41
 Operator : YP\AJ
 Sample : Q1168-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 MDL-WATER-03-QT1-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :Ankita Jodhani 01/30/2025

Integration File: autoint1.e
 Quant Time: Jan 30 07:10:33 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 011425.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 14 11:45:29 2025
 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...	13.368	4267834	35.051 ug/ml
Spiked Amount 50.000		Recovery =	70.10%
Target Compounds			
1) T n-Nonane (C9)	3.315	191329	1.474 ug/ml
2) T n-Decane (C10)	4.569	228340	1.718 ug/ml
4) T n-Dodecane (C12)	6.732	294601	2.167 ug/ml
6) T n-Tetradecane (C14)	8.558	274915	1.999 ug/ml
7) T n-Hexadecane (C16)	10.166	239895	1.656 ug/ml
8) T n-Octadecane (C18)	11.609	266523	1.793 ug/ml
10) T n-Eicosane (C20)	12.920	283105	1.972 ug/ml
11) T n-Heneicosane (C21)	13.532	272620	1.928 ug/ml
13) T n-Docosane (C22)	14.119	278809	1.983 ug/mlm
14) T n-Tetracosane (C24)	15.225	273401	1.964 ug/ml
15) T n-Hexacosane (C26)	16.248	270488	1.997 ug/ml
16) T n-Octacosane (C28)	17.199	279690	2.125 ug/ml
17) T n-Tricontane (C30)	18.086	307174	2.316 ug/mlm
18) T n-Dotriacontane (C32)	18.922	326042	2.585 ug/mlm
19) T n-Tetratriacontane (C34)	19.707	277753	2.551 ug/ml
20) T n-Hexatriacontane (C36)	20.450	223581	2.395 ug/mlm
21) T n-Octatriacontane (C38)	21.193	208784	2.379 ug/ml
22) T n-Tetracontane (C40)	22.124	158931	1.875 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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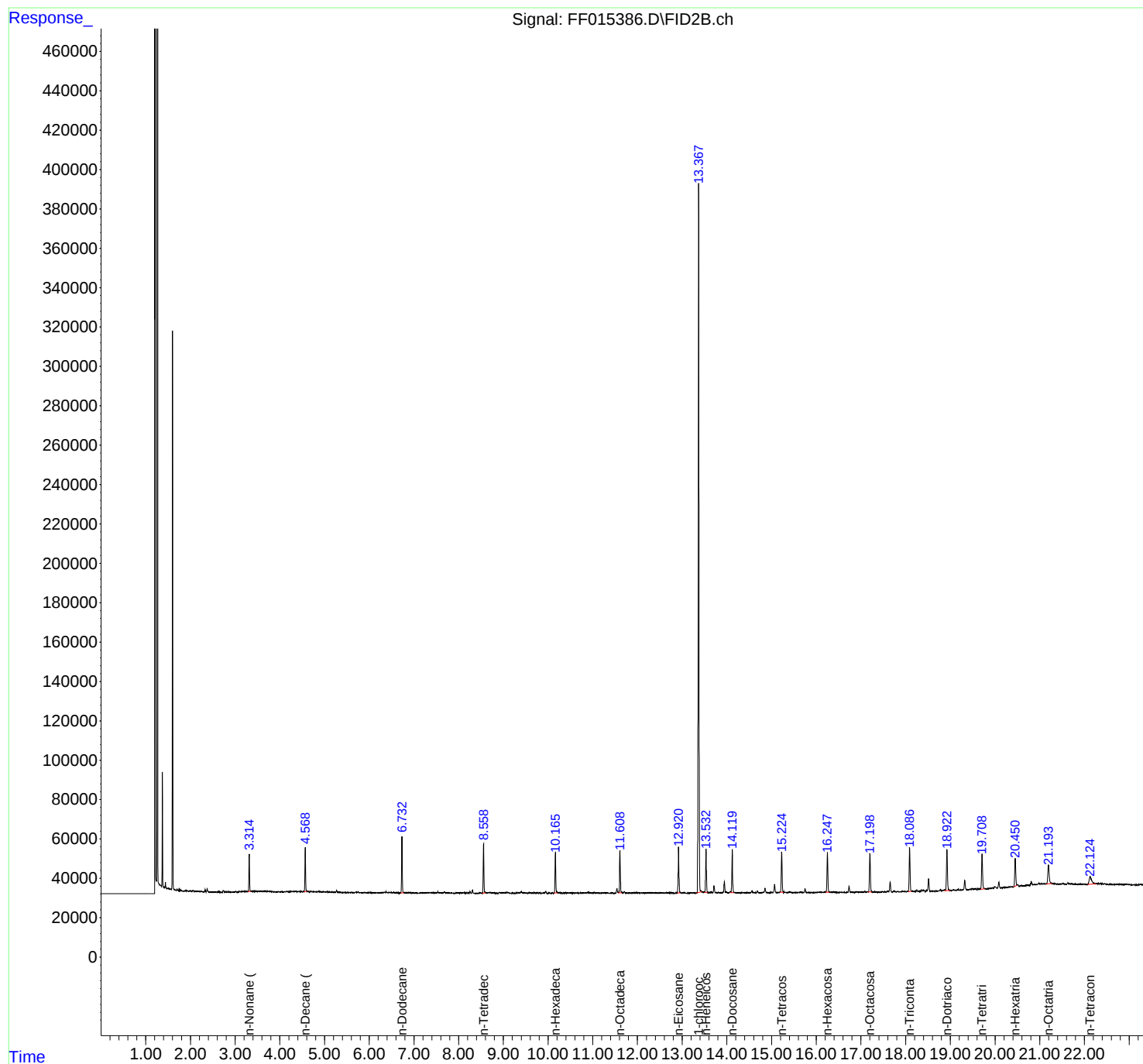
Instrument :
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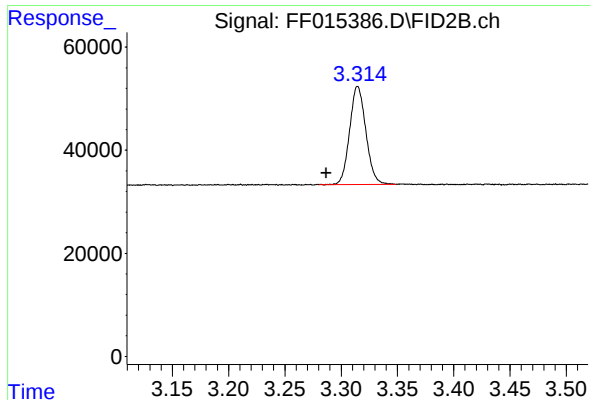
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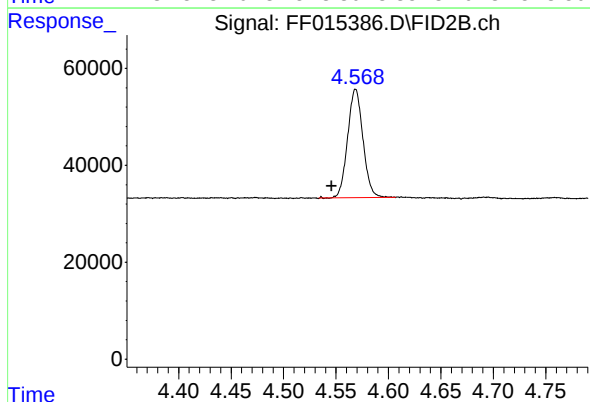
#1 n-Nonane (C9)

R.T.: 3.315 min
Delta R.T.: 0.028 min
Response: 191329
Conc: 1.47 ug/ml

Instrument : FID_F
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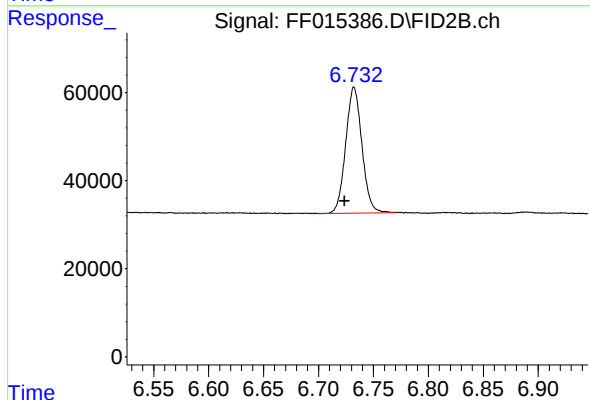
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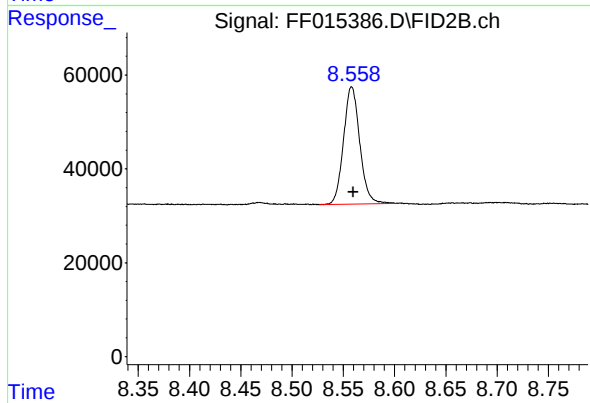
#2 n-Decane (C10)

R.T.: 4.569 min
Delta R.T.: 0.023 min
Response: 228340
Conc: 1.72 ug/ml



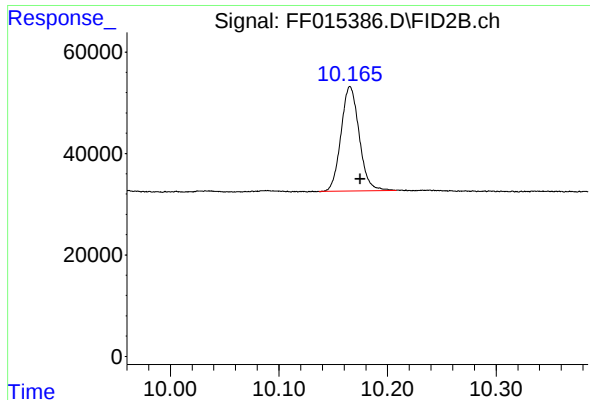
#4 n-Dodecane (C12)

R.T.: 6.732 min
Delta R.T.: 0.008 min
Response: 294601
Conc: 2.17 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.558 min
Delta R.T.: -0.002 min
Response: 274915
Conc: 2.00 ug/ml



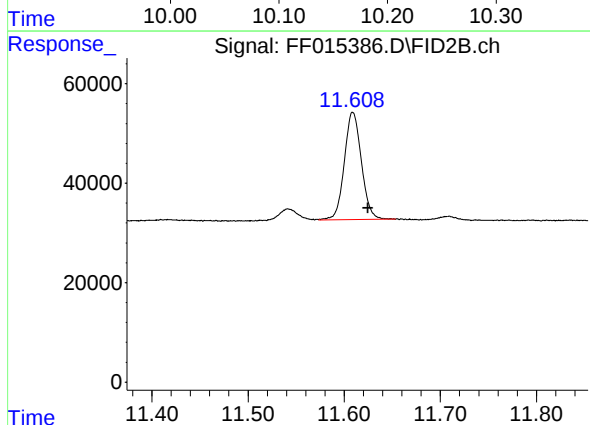
#7 n-Hexadecane (C16)

R.T.: 10.166 min
Delta R.T.: -0.009 min
Response: 239895
Conc: 1.66 ug/ml

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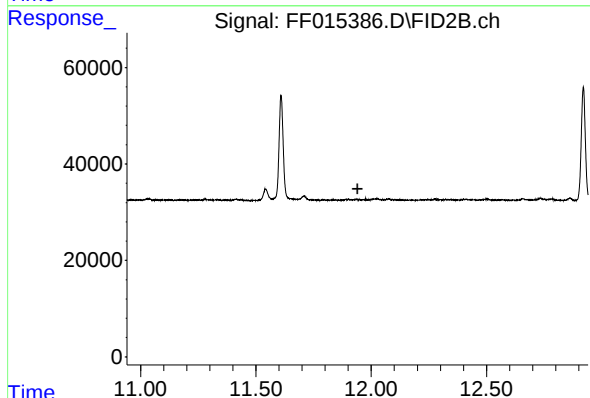
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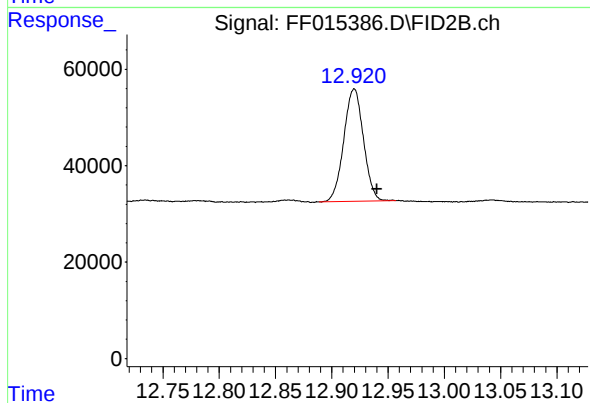
#8 n-Octadecane (C18)

R.T.: 11.609 min
Delta R.T.: -0.016 min
Response: 266523
Conc: 1.79 ug/ml



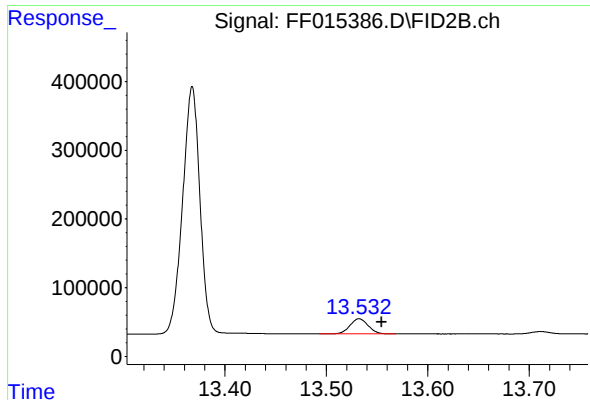
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.940 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.920 min
Delta R.T.: -0.020 min
Response: 283105
Conc: 1.97 ug/ml



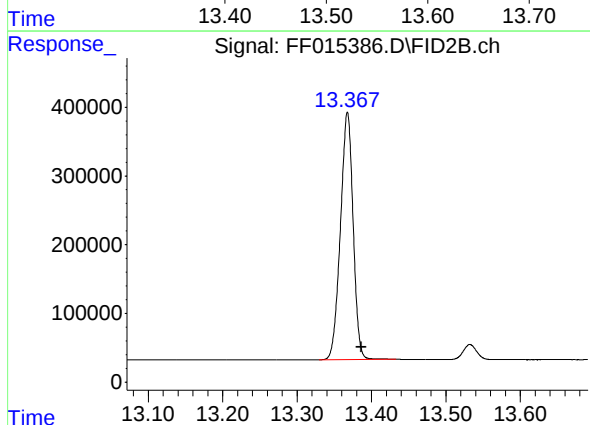
#11 n-Heneicosane (C21)

R.T.: 13.532 min
Delta R.T.: -0.022 min
Response: 272620
Conc: 1.93 ug/ml

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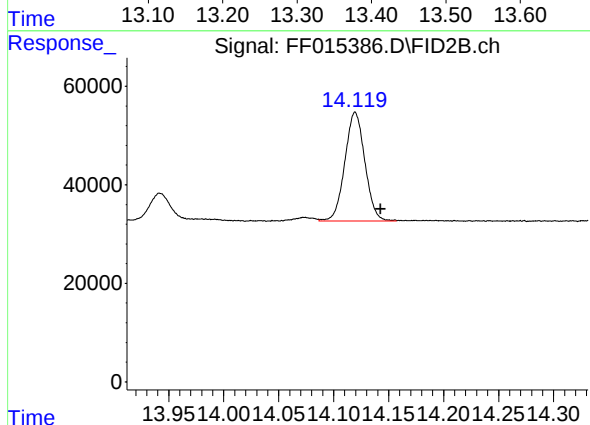
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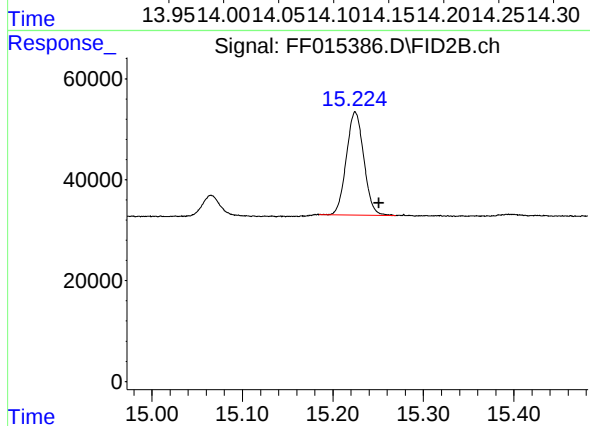
#12 1-chlorooctadecane (SURR)

R.T.: 13.368 min
Delta R.T.: -0.019 min
Response: 4267834
Conc: 35.05 ug/ml



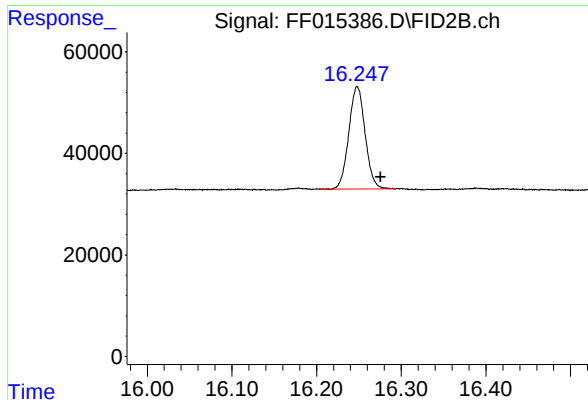
#13 n-Docosane (C22)

R.T.: 14.119 min
Delta R.T.: -0.024 min
Response: 278809
Conc: 1.98 ug/ml m



#14 n-Tetracosane (C24)

R.T.: 15.225 min
Delta R.T.: -0.026 min
Response: 273401
Conc: 1.96 ug/ml



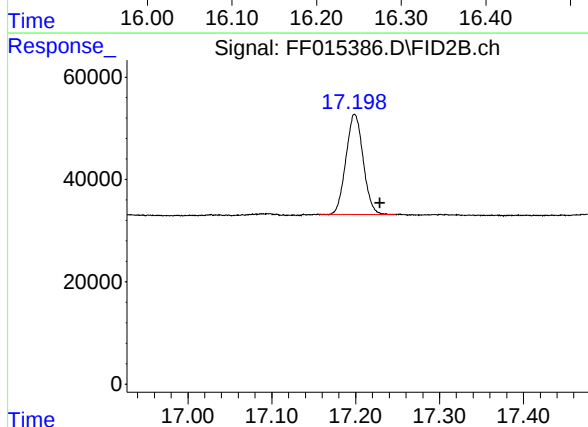
#15 n-Hexacosane (C26)

R.T.: 16.248 min
Delta R.T.: -0.027 min
Response: 270488
Conc: 2.00 ug/ml

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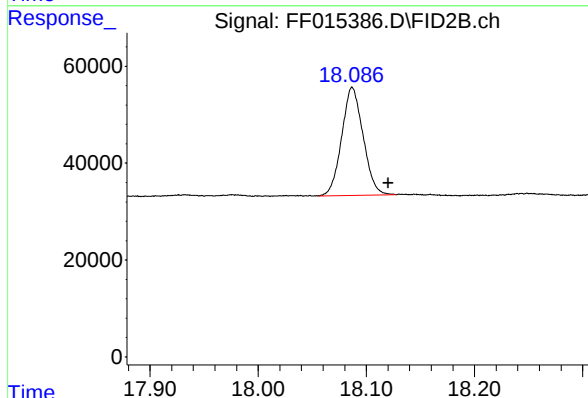
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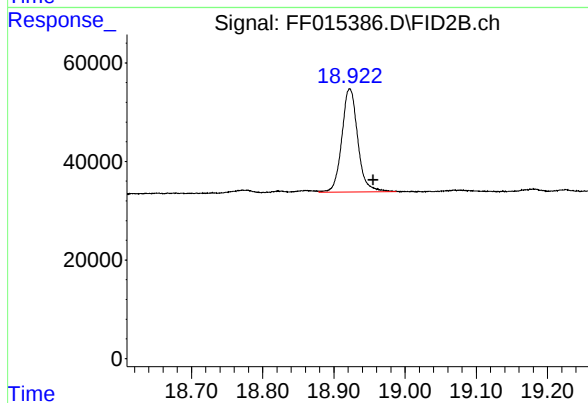
#16 n-Octacosane (C28)

R.T.: 17.199 min
Delta R.T.: -0.030 min
Response: 279690
Conc: 2.13 ug/ml



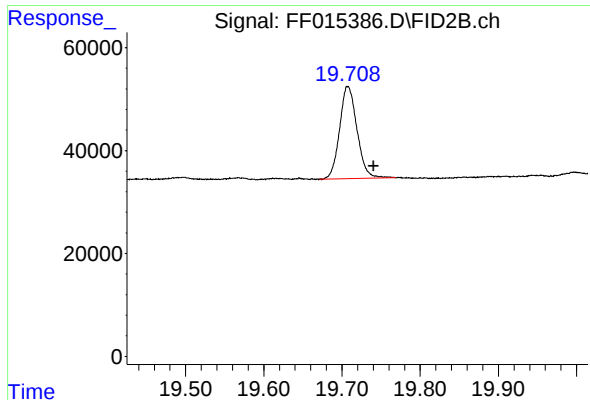
#17 n-Tricontane (C30)

R.T.: 18.086 min
Delta R.T.: -0.034 min
Response: 307174
Conc: 2.32 ug/ml m



#18 n-Dotriacontane (C32)

R.T.: 18.922 min
Delta R.T.: -0.033 min
Response: 326042
Conc: 2.59 ug/ml m



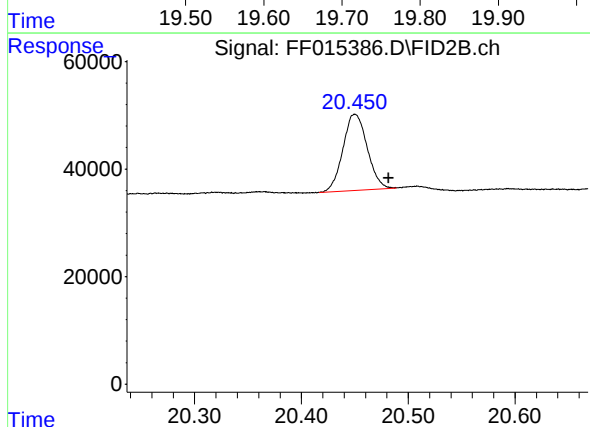
#19 n-Tetratriacontane (C34)

R.T.: 19.707 min
Delta R.T.: -0.033 min
Response: 277753
Conc: 2.55 ug/ml

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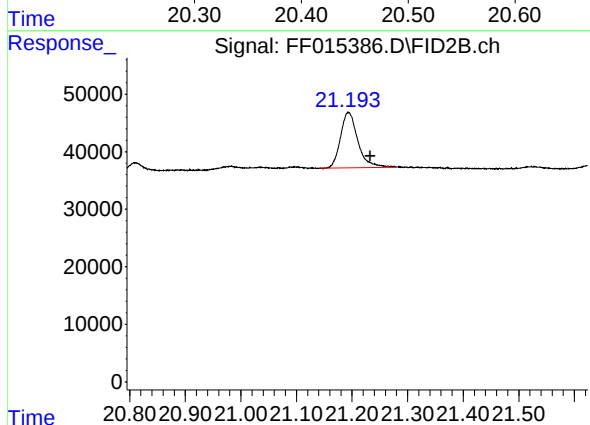
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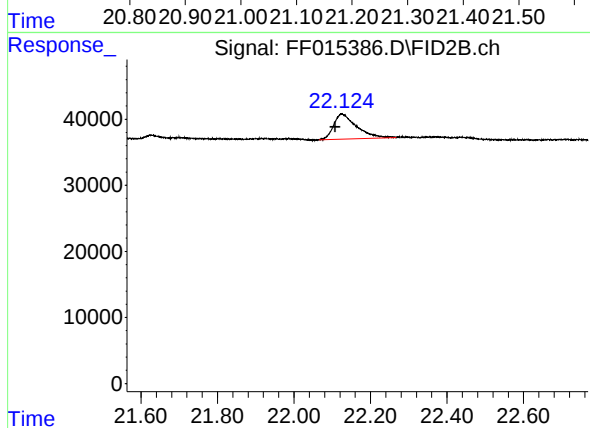
#20 n-Hexatriacontane (C36)

R.T.: 20.450 min
Delta R.T.: -0.032 min
Response: 223581
Conc: 2.39 ug/ml m



#21 n-Octatriacontane (C38)

R.T.: 21.193 min
Delta R.T.: -0.039 min
Response: 208784
Conc: 2.38 ug/ml



#22 n-Tetracontane (C40)

R.T.: 22.124 min
Delta R.T.: 0.016 min
Response: 158931
Conc: 1.88 ug/ml m