

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061625AL\
 Data File : FG016096.D
 Signal(s) : FID1A.ch
 Acq On : 16 Jun 2025 12:26
 Operator : YP\AJ
 Sample : Q2126-01
 Misc : 4 PPM SOIL LOD
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 LOD-MDL-SOIL-03-QT2-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/17/2025
 Supervised By :mohammad ahmed 06/18/2025

Integration File: autoint1.e
 Quant Time: Jun 17 05:00:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 16 06:52:22 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...	13.538	5385439	53.446 ug/ml
Spiked Amount 50.000		Recovery =	106.89%
Target Compounds			
1) T n-Nonane (C9)	3.422	317852	2.938 ug/ml
2) T n-Decane (C10)	4.680	390367	3.559 ug/ml
4) T n-Dodecane (C12)	6.857	448361	4.072 ug/ml
6) T n-Tetradecane (C14)	8.695	487374	4.438 ug/ml
7) T n-Hexadecane (C16)	10.313	471144	4.139 ug/ml
8) T n-Octadecane (C18)	11.765	505973	4.346 ug/ml
10) T n-Eicosane (C20)	13.084	543804	4.778 ug/ml
11) T n-Heneicosane (C21)	13.701	520103	4.594 ug/ml
13) T n-Docosane (C22)	14.290	536606	4.720 ug/ml
14) T n-Tetracosane (C24)	15.400	537164	4.658 ug/mlm
15) T n-Hexacosane (C26)	16.427	535598	4.654 ug/ml
16) T n-Octacosane (C28)	17.382	550190	4.848 ug/ml
17) T n-Tricontane (C30)	18.274	598907	5.231 ug/ml
18) T n-Dotriacontane (C32)	19.110	600290	5.506 ug/ml
19) T n-Tetratriacontane (C34)	19.898	561309	5.674 ug/ml
20) T n-Hexatriacontane (C36)	20.641	502169	5.916 ug/ml
21) T n-Octatriacontane (C38)	21.430	454643	6.022 ug/ml
22) T n-Tetracontane (C40)	22.436	401619	5.808 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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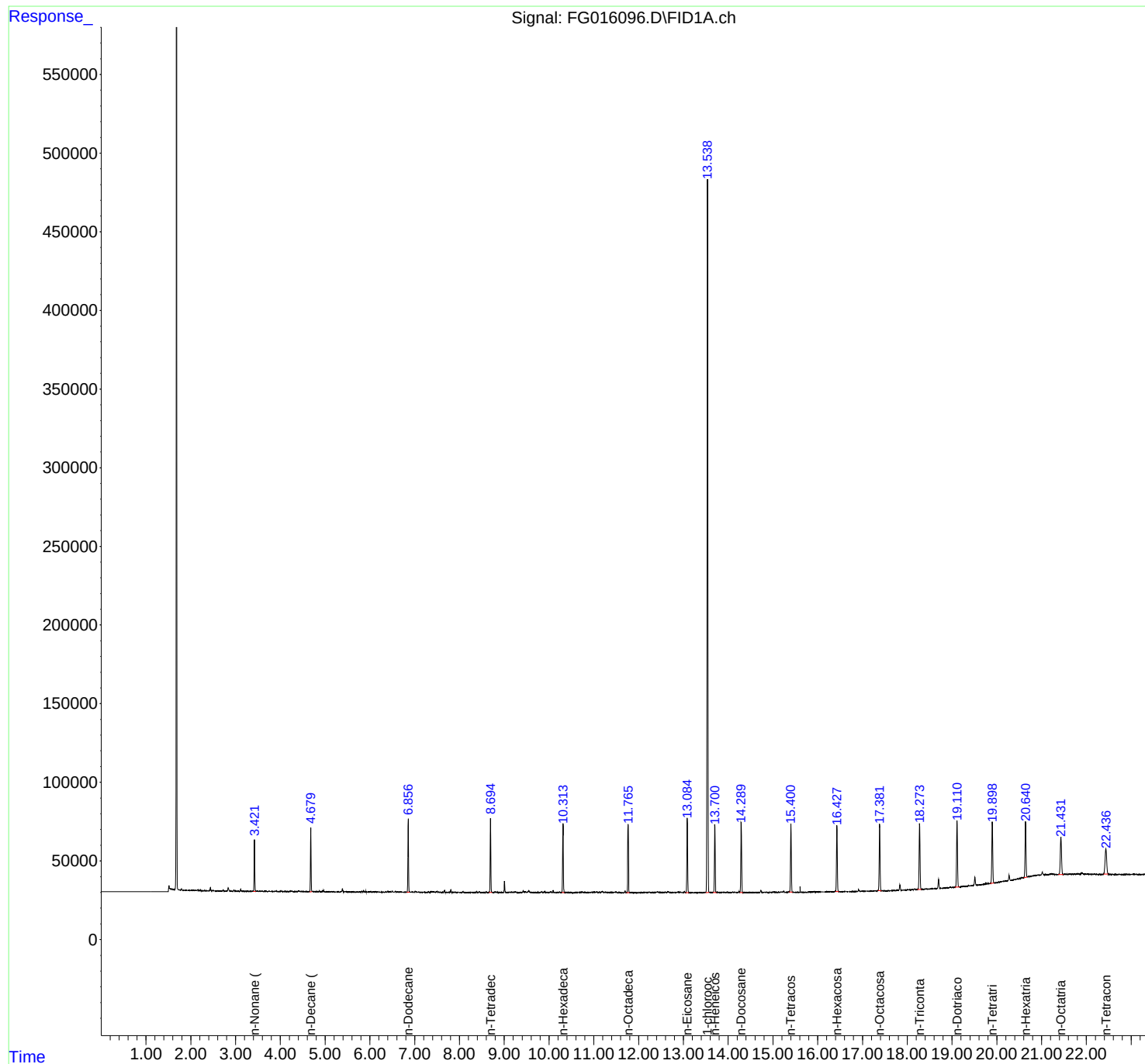
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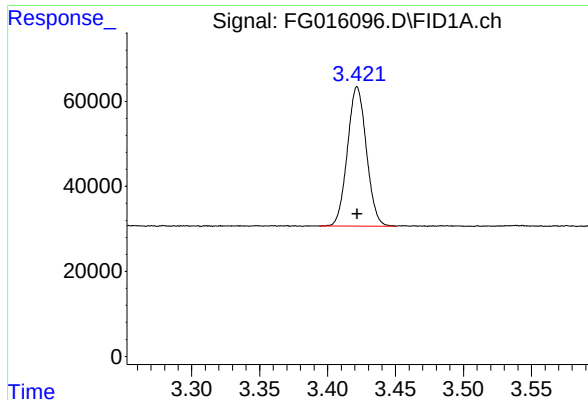
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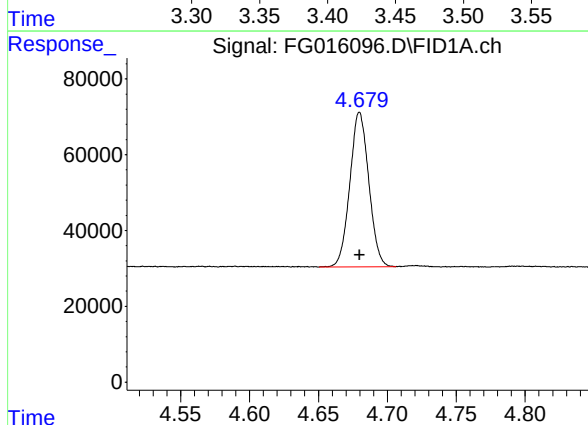
#1 n-Nonane (C9)

R.T.: 3.422 min
Delta R.T.: 0.000 min
Response: 317852
Conc: 2.94 ug/ml

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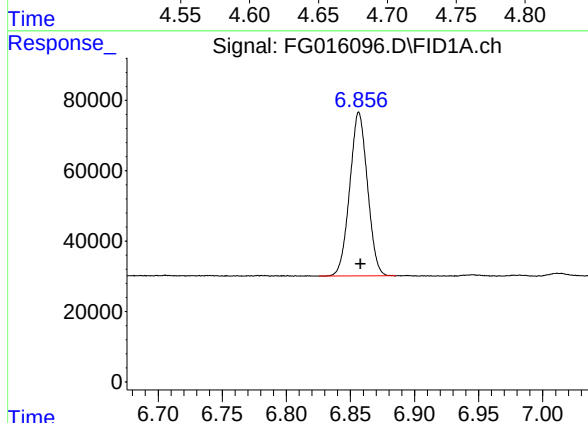
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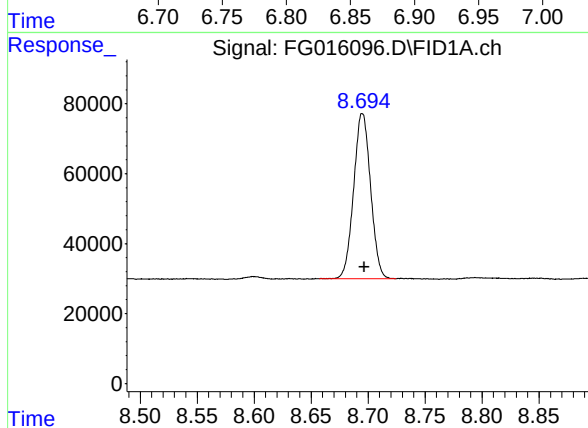
#2 n-Decane (C10)

R.T.: 4.680 min
Delta R.T.: 0.000 min
Response: 390367
Conc: 3.56 ug/ml



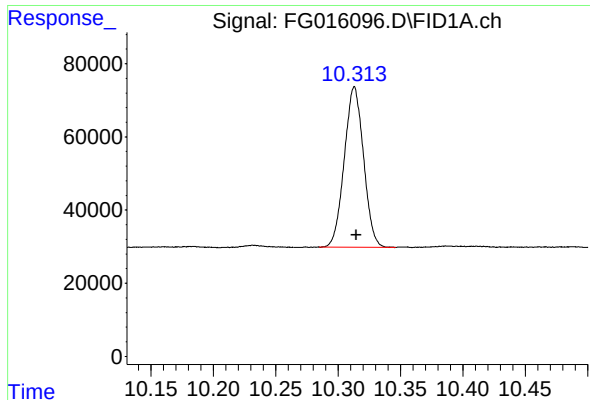
#4 n-Dodecane (C12)

R.T.: 6.857 min
Delta R.T.: -0.001 min
Response: 448361
Conc: 4.07 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.695 min
Delta R.T.: -0.002 min
Response: 487374
Conc: 4.44 ug/ml



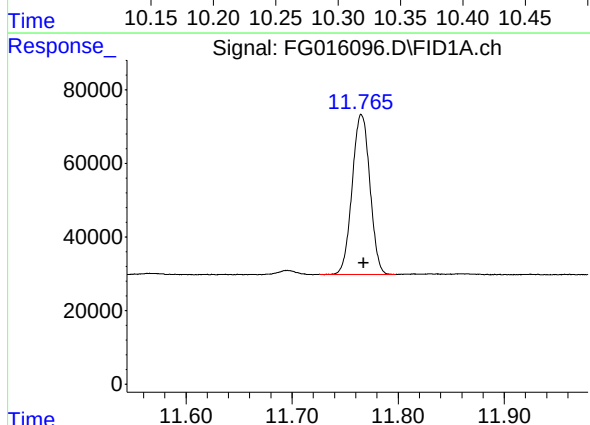
#7 n-Hexadecane (C16)

R.T.: 10.313 min
Delta R.T.: -0.002 min
Response: 471144
Conc: 4.14 ug/ml

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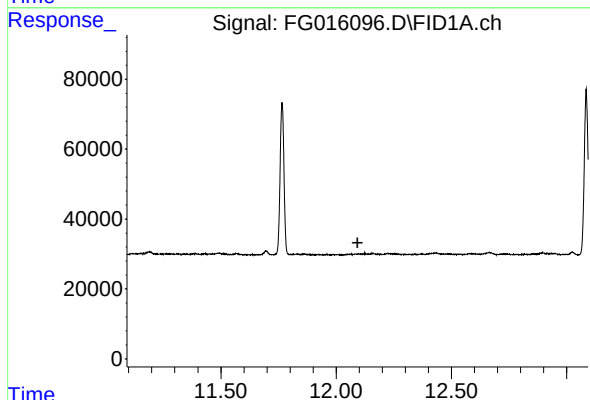
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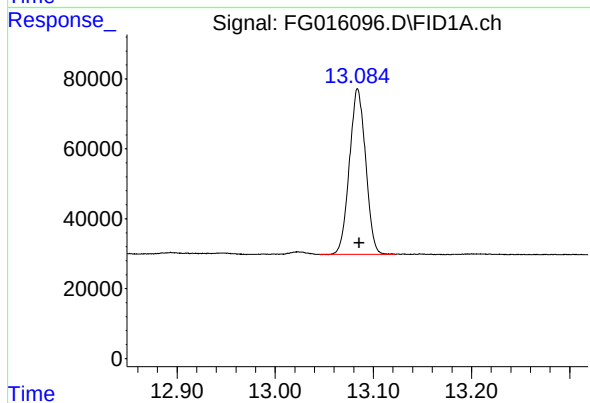
#8 n-Octadecane (C18)

R.T.: 11.765 min
Delta R.T.: -0.002 min
Response: 505973
Conc: 4.35 ug/ml



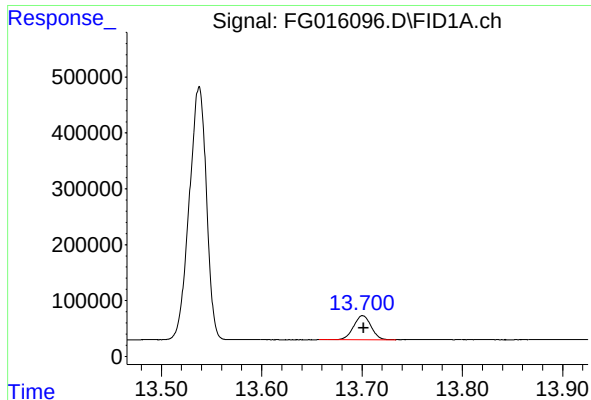
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 12.092 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 13.084 min
Delta R.T.: -0.002 min
Response: 543804
Conc: 4.78 ug/ml



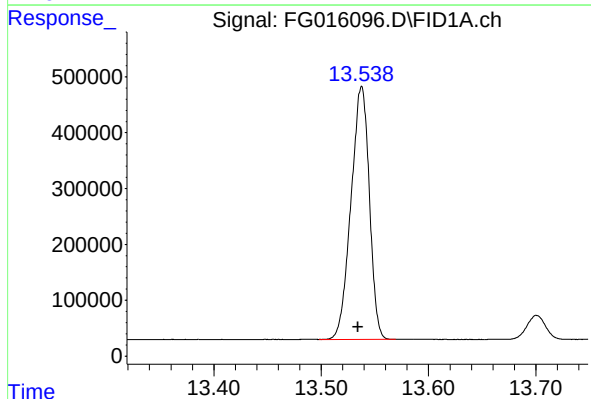
#11 n-Heneicosane (C21)

R.T.: 13.701 min
Delta R.T.: 0.000 min
Response: 520103
Conc: 4.59 ug/ml

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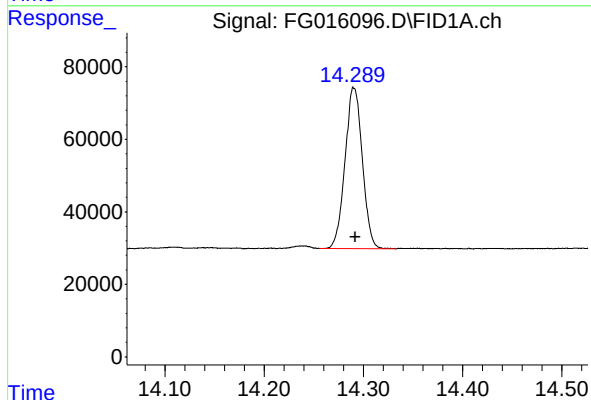
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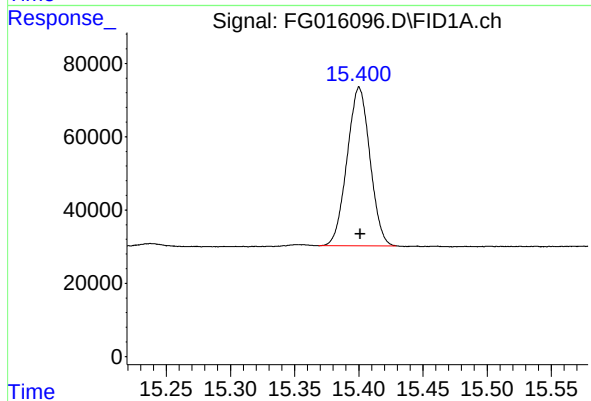
#12 1-chlorooctadecane (SURR)

R.T.: 13.538 min
Delta R.T.: 0.003 min
Response: 5385439
Conc: 53.45 ug/ml



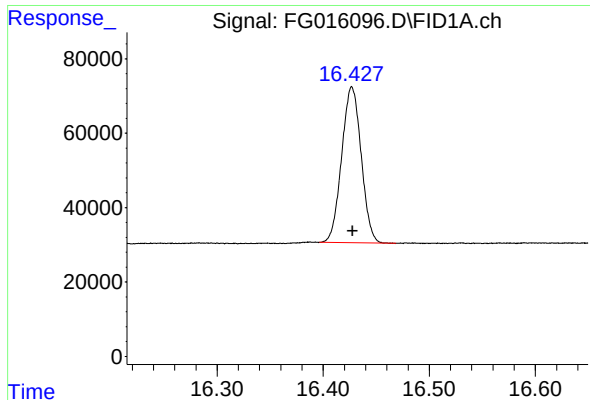
#13 n-Docosane (C22)

R.T.: 14.290 min
Delta R.T.: -0.002 min
Response: 536606
Conc: 4.72 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.400 min
Delta R.T.: -0.001 min
Response: 537164
Conc: 4.66 ug/ml m



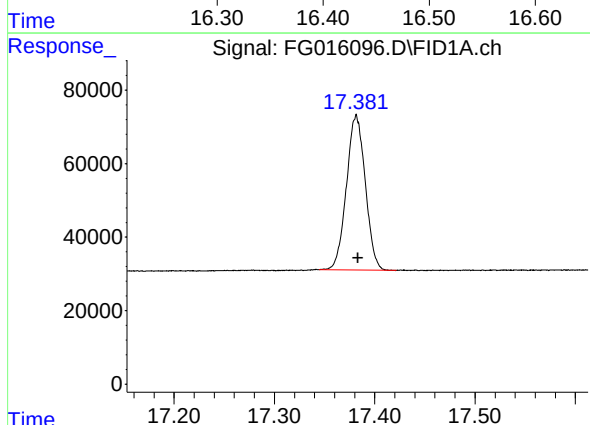
#15 n-Hexacosane (C26)

R.T.: 16.427 min
Delta R.T.: 0.000 min
Response: 535598
Conc: 4.65 ug/ml

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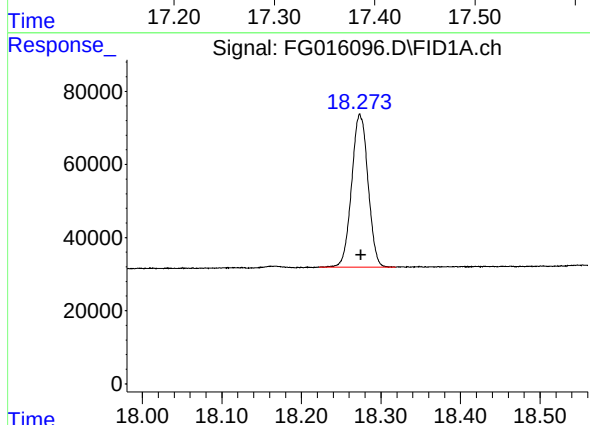
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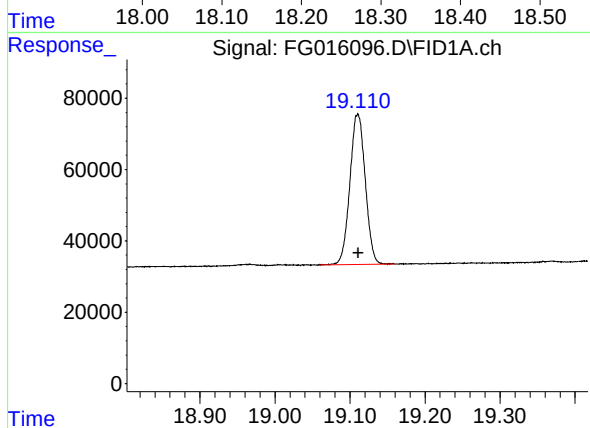
#16 n-Octacosane (C28)

R.T.: 17.382 min
Delta R.T.: -0.002 min
Response: 550190
Conc: 4.85 ug/ml



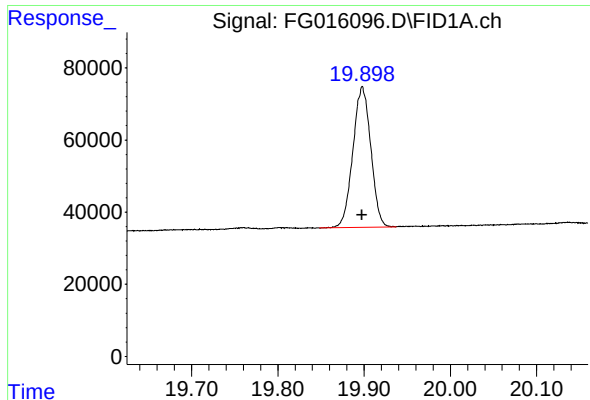
#17 n-Tricontane (C30)

R.T.: 18.274 min
Delta R.T.: -0.002 min
Response: 598907
Conc: 5.23 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 19.110 min
Delta R.T.: 0.000 min
Response: 600290
Conc: 5.51 ug/ml



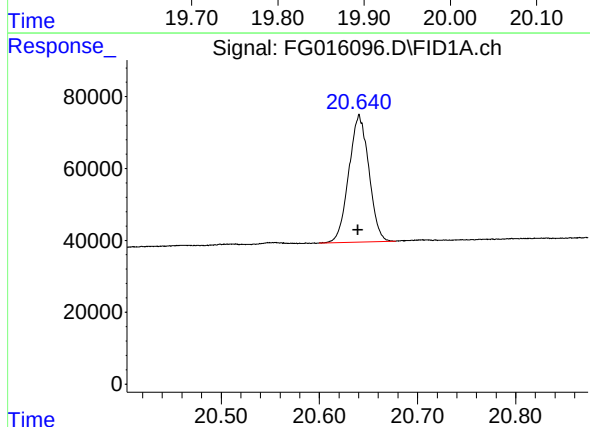
#19 n-Tetratriacontane (C34)

R.T.: 19.898 min
Delta R.T.: 0.000 min
Response: 561309
Conc: 5.67 ug/ml

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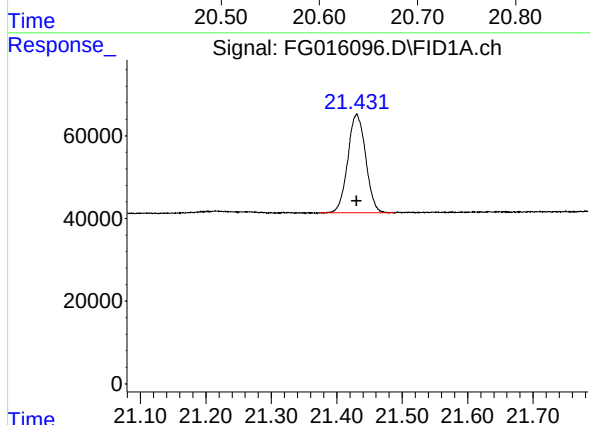
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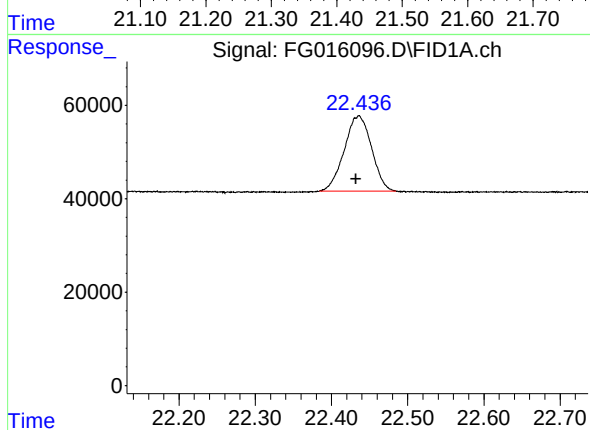
#20 n-Hexatriacontane (C36)

R.T.: 20.641 min
Delta R.T.: 0.000 min
Response: 502169
Conc: 5.92 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.430 min
Delta R.T.: 0.000 min
Response: 454643
Conc: 6.02 ug/ml



#22 n-Tetracontane (C40)

R.T.: 22.436 min
Delta R.T.: 0.004 min
Response: 401619
Conc: 5.81 ug/ml m