

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC012925AL\
 Data File : FC068152.D
 Signal(s) : FID1A.ch
 Acq On : 29 Jan 2025 17:16
 Operator : YP/AJ
 Sample : Q1168-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_C
 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 01:30:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
 Quant Title : GC Extractables
 QLast Update : Sat Jan 25 04:31:18 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...	12.866	4653512	40.464 ug/ml
Spiked Amount 50.000		Recovery =	80.93%
Target Compounds			
1) T n-Nonane (C9)	3.230	206754	1.510 ug/ml
2) T n-Decane (C10)	4.288	233972	1.685 ug/ml
4) T n-Dodecane (C12)	6.296	288548	2.066 ug/ml
6) T n-Tetradecane (C14)	8.084	272987	2.000 ug/ml
7) T n-Hexadecane (C16)	9.680	256381	1.845 ug/ml
8) T n-Octadecane (C18)	11.117	273496	1.955 ug/ml
10) T n-Eicosane (C20)	12.422	287195	2.146 ug/ml
11) T n-Heneicosane (C21)	13.032	267921	2.040 ug/ml
13) T n-Docosane (C22)	13.616	279563	2.158 ug/mlm
14) T n-Tetracosane (C24)	14.718	288470	2.247 ug/mlm
15) T n-Hexacosane (C26)	15.736	290253	2.307 ug/ml
16) T n-Octacosane (C28)	16.683	311877	2.494 ug/ml
17) T n-Tricontane (C30)	17.569	349649	2.705 ug/ml
18) T n-Dotriacontane (C32)	18.401	366310	2.930 ug/ml
19) T n-Tetratriacontane (C34)	19.181	330049	3.043 ug/ml
20) T n-Hexatriacontane (C36)	19.920	283353	3.062 ug/ml
21) T n-Octatriacontane (C38)	20.634	263324	3.073 ug/ml
22) T n-Tetracontane (C40)	21.490	231561	2.864 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Misc :
ALS Vial : 12 Sample Multiplier: 1

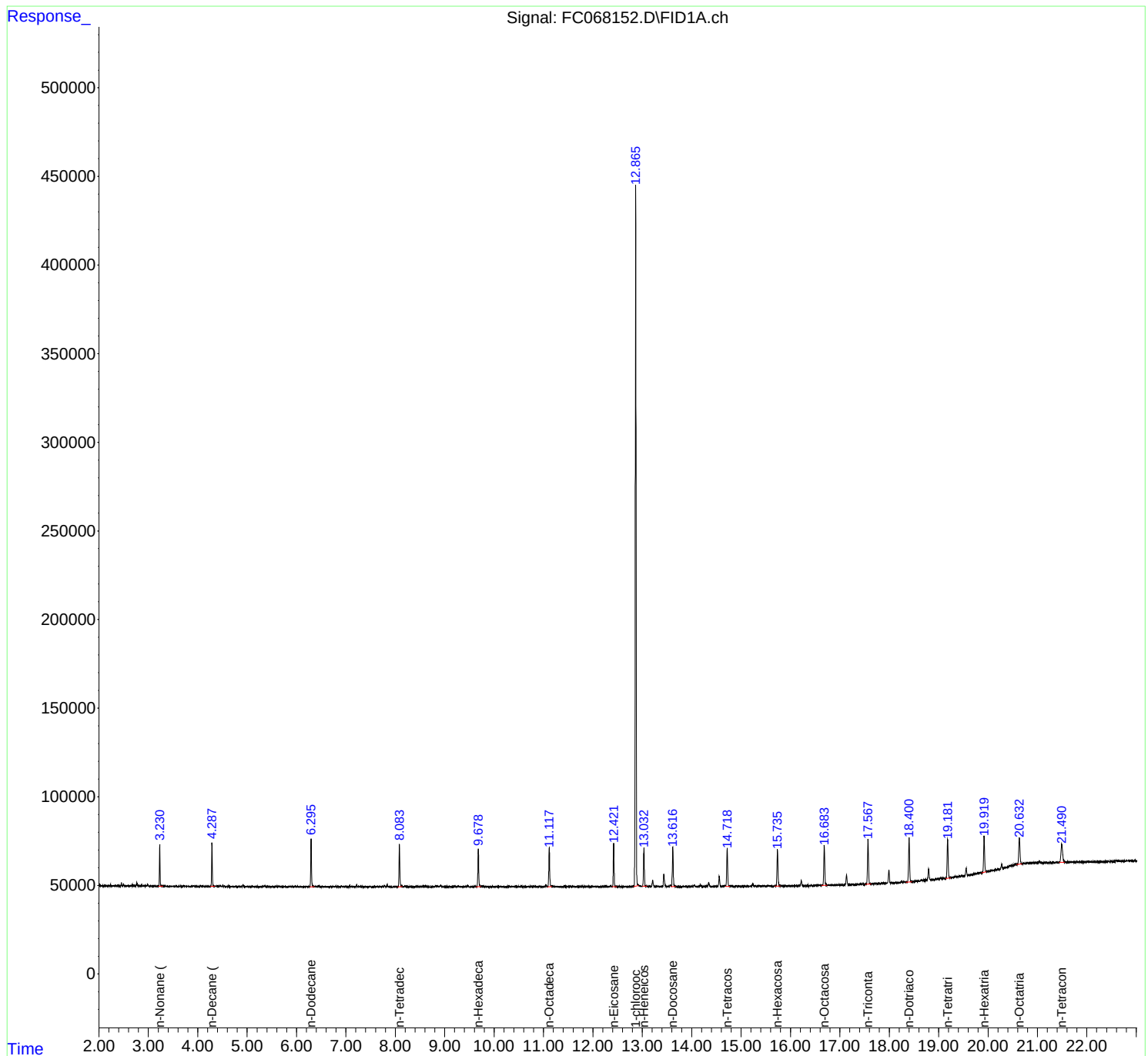
Instrument :
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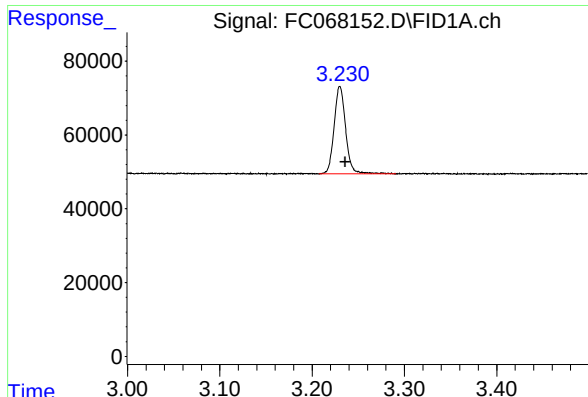
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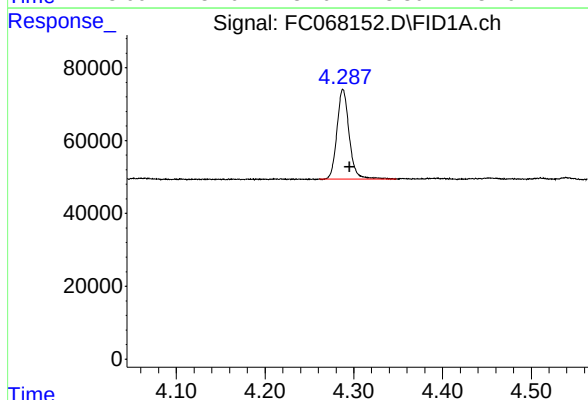
#1 n-Nonane (C9)

R.T.: 3.230 min
Delta R.T.: -0.006 min
Response: 206754
Conc: 1.51 ug/ml

Instrument :
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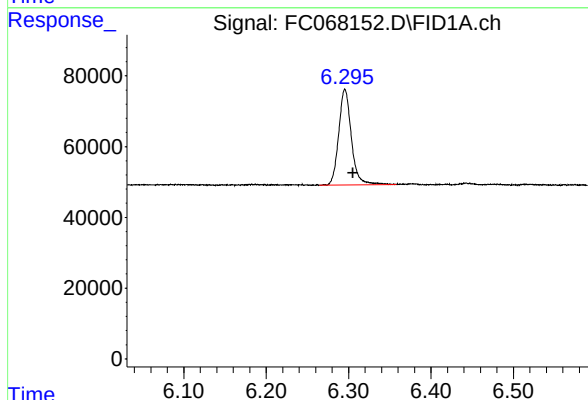
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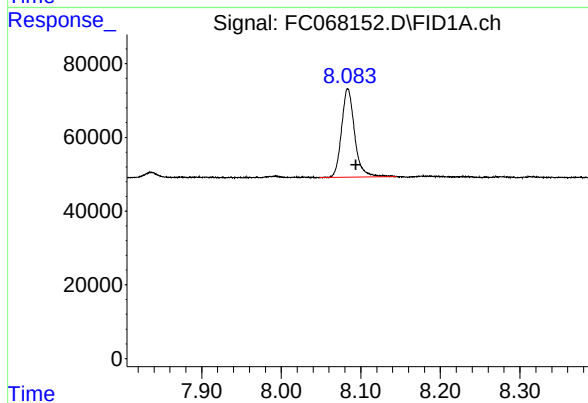
#2 n-Decane (C10)

R.T.: 4.288 min
Delta R.T.: -0.007 min
Response: 233972
Conc: 1.69 ug/ml



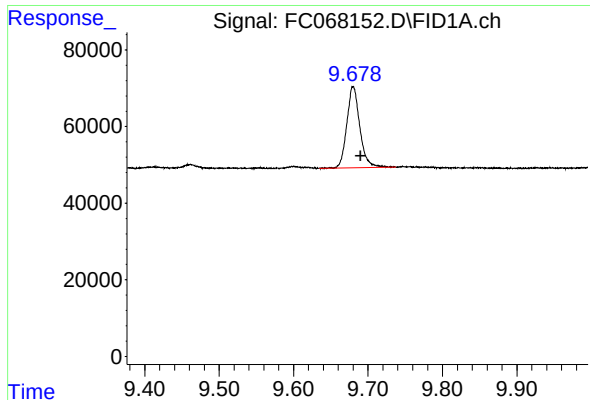
#4 n-Dodecane (C12)

R.T.: 6.296 min
Delta R.T.: -0.010 min
Response: 288548
Conc: 2.07 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.084 min
Delta R.T.: -0.010 min
Response: 272987
Conc: 2.00 ug/ml



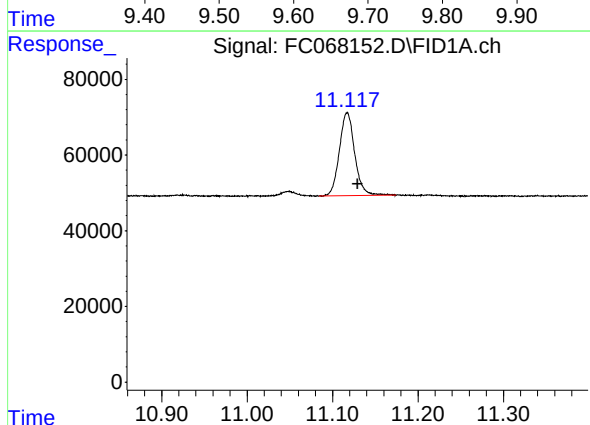
#7 n-Hexadecane (C16)

R.T.: 9.680 min
Delta R.T.: -0.010 min
Response: 256381
Conc: 1.85 ug/ml

Instrument :
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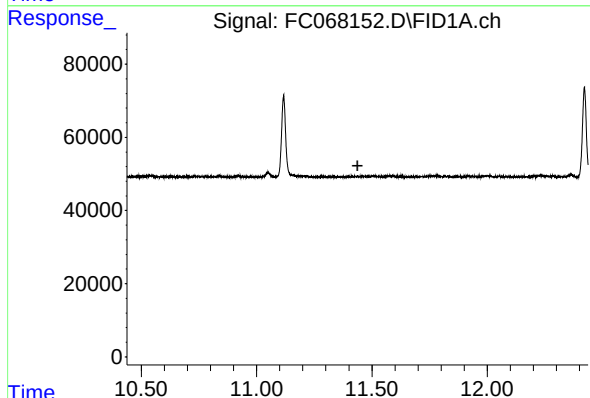
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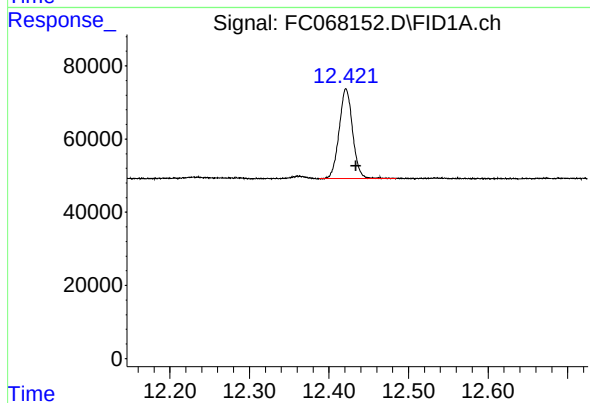
#8 n-Octadecane (C18)

R.T.: 11.117 min
Delta R.T.: -0.012 min
Response: 273496
Conc: 1.95 ug/ml



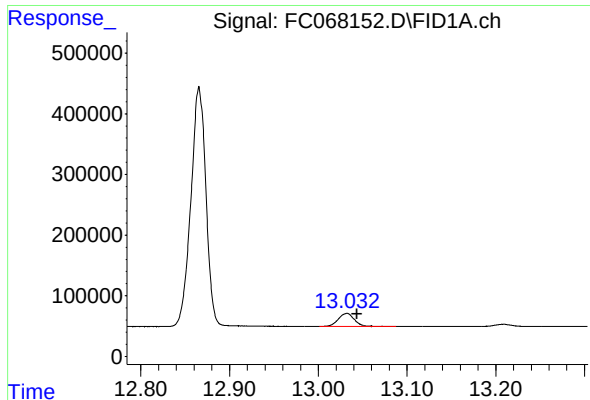
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.437 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.422 min
Delta R.T.: -0.012 min
Response: 287195
Conc: 2.15 ug/ml



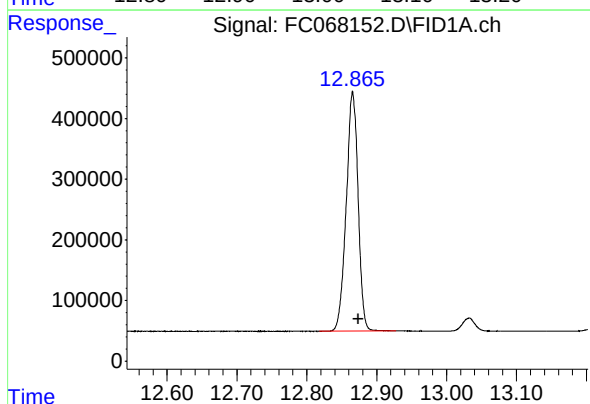
#11 n-Heneicosane (C21)

R.T.: 13.032 min
Delta R.T.: -0.012 min
Response: 267921
Conc: 2.04 ug/ml

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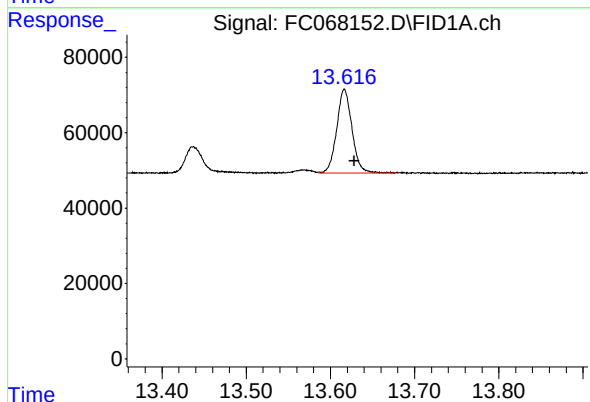
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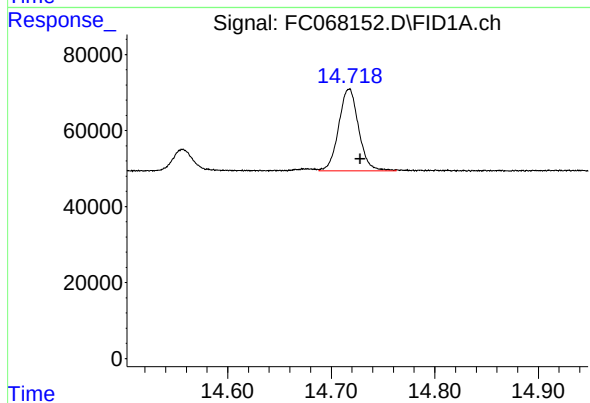
#12 1-chlorooctadecane (SURR)

R.T.: 12.866 min
Delta R.T.: -0.008 min
Response: 4653512
Conc: 40.46 ug/ml



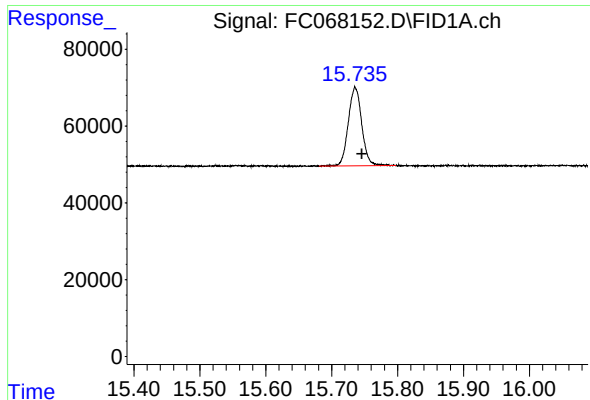
#13 n-Docosane (C22)

R.T.: 13.616 min
Delta R.T.: -0.012 min
Response: 279563
Conc: 2.16 ug/ml m



#14 n-Tetracosane (C24)

R.T.: 14.718 min
Delta R.T.: -0.010 min
Response: 288470
Conc: 2.25 ug/ml m



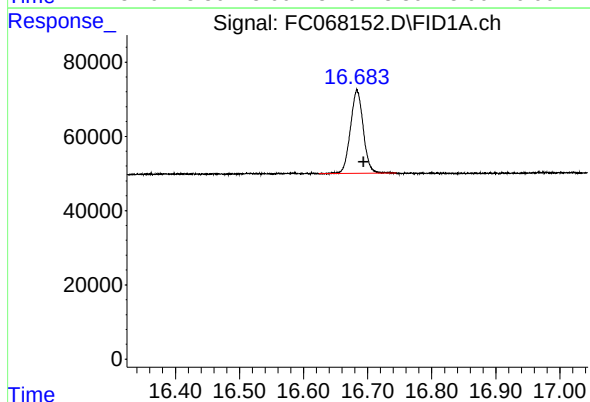
#15 n-Hexacosane (C26)

R.T.: 15.736 min
Delta R.T.: -0.010 min
Response: 290253
Conc: 2.31 ug/ml

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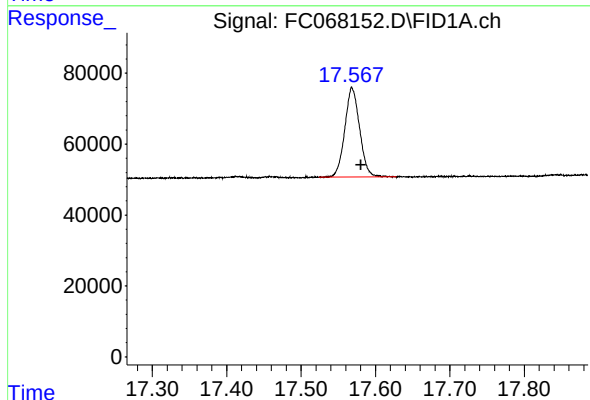
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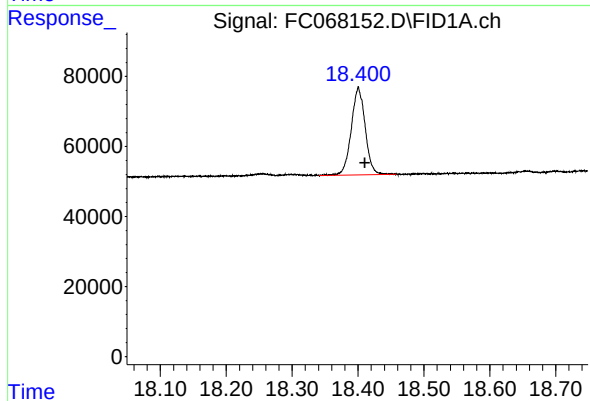
#16 n-Octacosane (C28)

R.T.: 16.683 min
Delta R.T.: -0.010 min
Response: 311877
Conc: 2.49 ug/ml



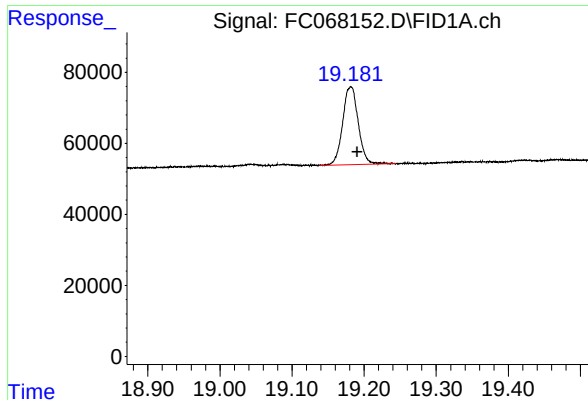
#17 n-Tricontane (C30)

R.T.: 17.569 min
Delta R.T.: -0.012 min
Response: 349649
Conc: 2.71 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.401 min
Delta R.T.: -0.010 min
Response: 366310
Conc: 2.93 ug/ml



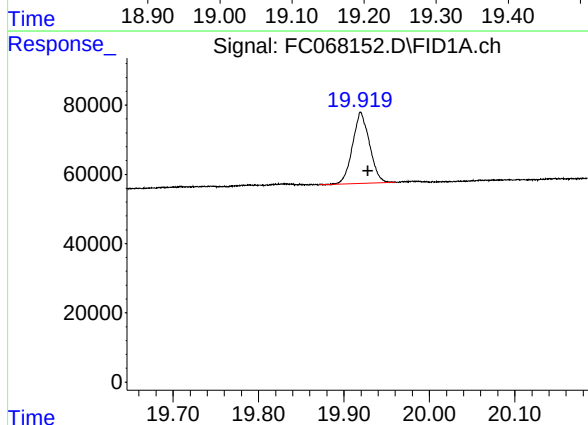
#19 n-Tetratriacontane (C34)

R.T.: 19.181 min
Delta R.T.: -0.010 min
Response: 330049
Conc: 3.04 ug/ml

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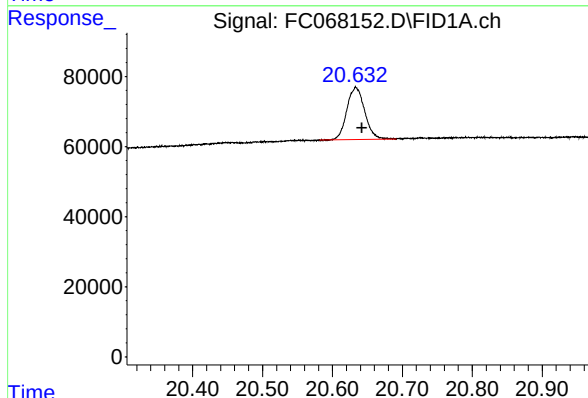
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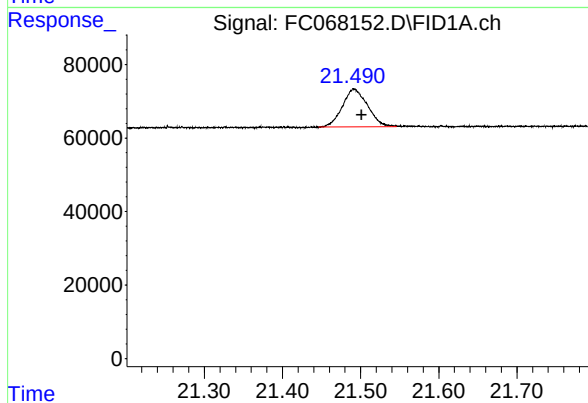
#20 n-Hexatriacontane (C36)

R.T.: 19.920 min
Delta R.T.: -0.008 min
Response: 283353
Conc: 3.06 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.634 min
Delta R.T.: -0.009 min
Response: 263324
Conc: 3.07 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.490 min
Delta R.T.: -0.011 min
Response: 231561
Conc: 2.86 ug/ml m