

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC012925AL\
 Data File : FC068146.D
 Signal(s) : FID1A.ch
 Acq On : 29 Jan 2025 09:57
 Operator : YP/AJ
 Sample : Q1168-01
 Misc : 2.5 PPM SOIL LOD
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 LOD-MDL-SOIL-01-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 01:29:22 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	4632707	40.283 ug/ml
Spiked Amount 50.000		Recovery =	80.57%
Target Compounds			
1) T n-Nonane (C9)	3.230	200731	1.466 ug/ml
2) T n-Decane (C10)	4.288	231062	1.664 ug/ml
4) T n-Dodecane (C12)	6.297	280776	2.010 ug/ml
6) T n-Tetradecane (C14)	8.085	272635	1.998 ug/ml
7) T n-Hexadecane (C16)	9.680	255394	1.838 ug/ml
8) T n-Octadecane (C18)	11.118	271674	1.942 ug/ml
10) T n-Eicosane (C20)	12.422	285007	2.130 ug/mlm
11) T n-Heneicosane (C21)	13.032	267856	2.039 ug/ml
13) T n-Docosane (C22)	13.618	277216	2.140 ug/mlm
14) T n-Tetracosane (C24)	14.717	279100	2.174 ug/ml
15) T n-Hexacosane (C26)	15.738	288858	2.295 ug/ml
16) T n-Octacosane (C28)	16.685	293699	2.348 ug/ml
17) T n-Tricontane (C30)	17.570	316944	2.452 ug/ml
18) T n-Dotriacontane (C32)	18.402	323394	2.587 ug/ml
19) T n-Tetratriacontane (C34)	19.184	296049	2.729 ug/ml
20) T n-Hexatriacontane (C36)	19.923	260313	2.813 ug/ml
21) T n-Octatriacontane (C38)	20.637	250245	2.920 ug/ml
22) T n-Tetracontane (C40)	21.496	233829	2.892 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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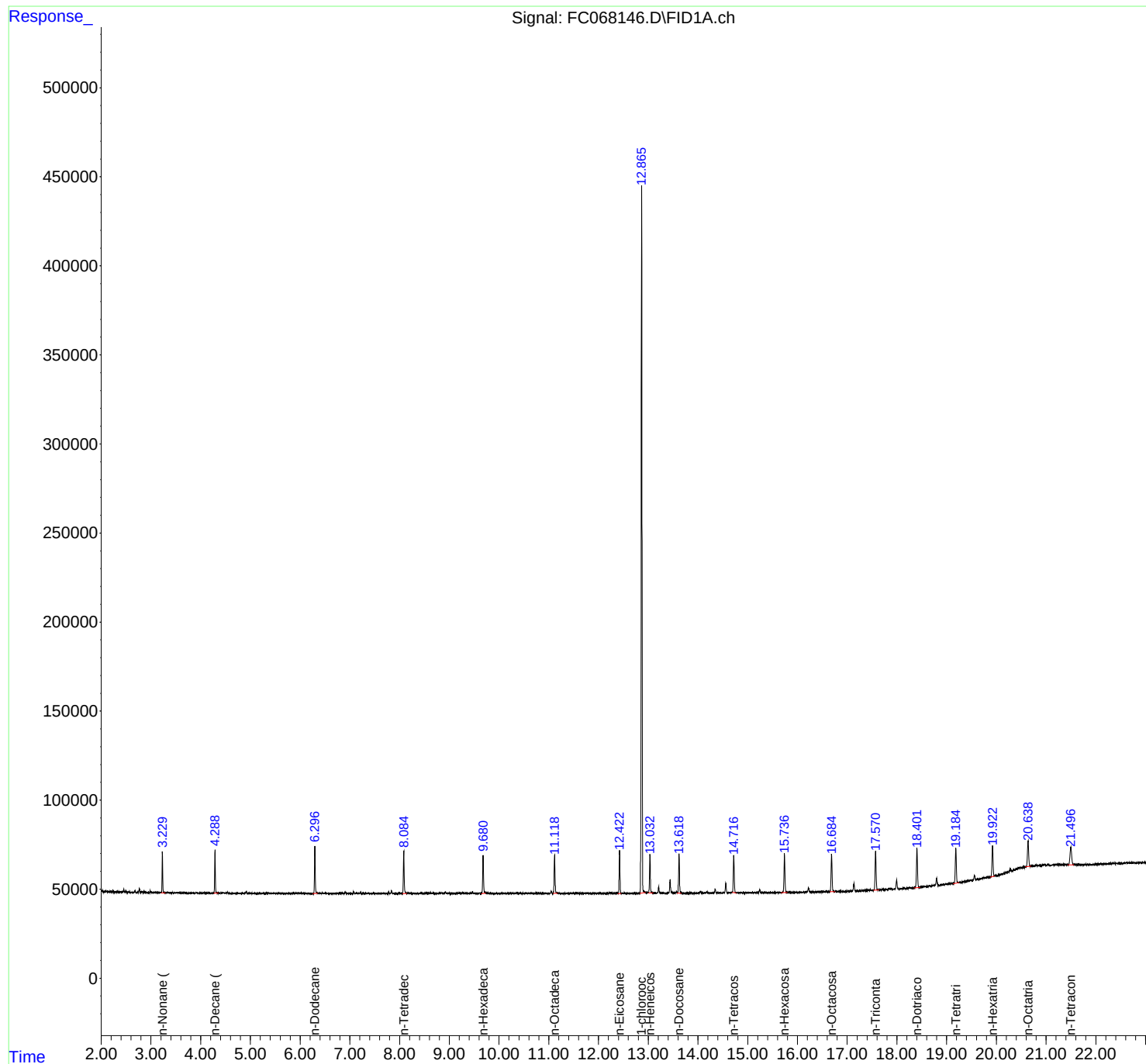
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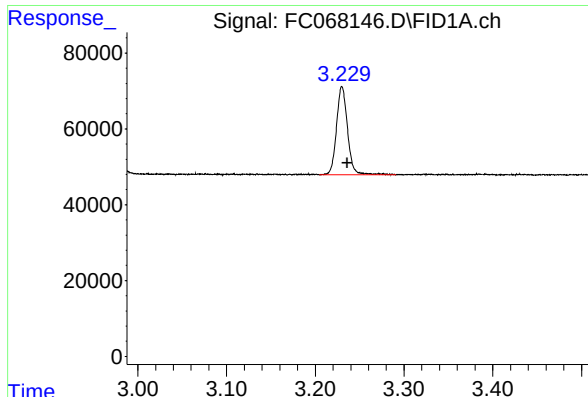
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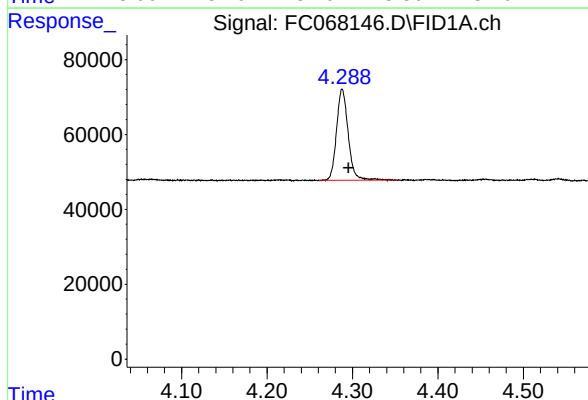
#1 n-Nonane (C9)

R.T.: 3.230 min
Delta R.T.: -0.006 min
Response: 200731
Conc: 1.47 ug/ml

Instrument : FID_C
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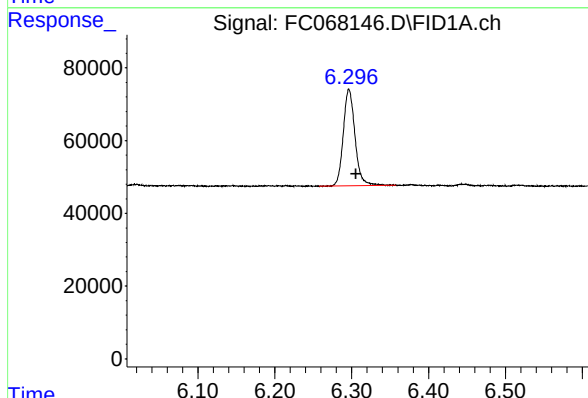
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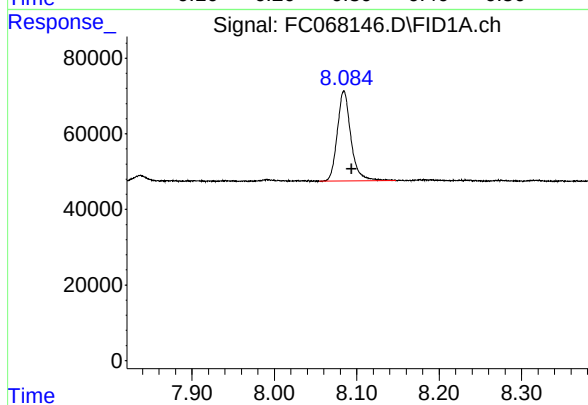
#2 n-Decane (C10)

R.T.: 4.288 min
Delta R.T.: -0.007 min
Response: 231062
Conc: 1.66 ug/ml



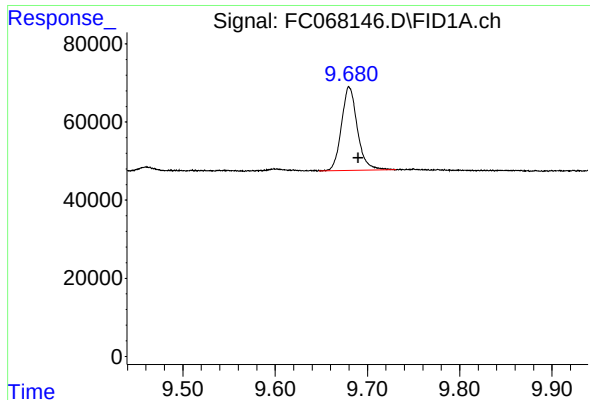
#4 n-Dodecane (C12)

R.T.: 6.297 min
Delta R.T.: -0.009 min
Response: 280776
Conc: 2.01 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.085 min
Delta R.T.: -0.009 min
Response: 272635
Conc: 2.00 ug/ml



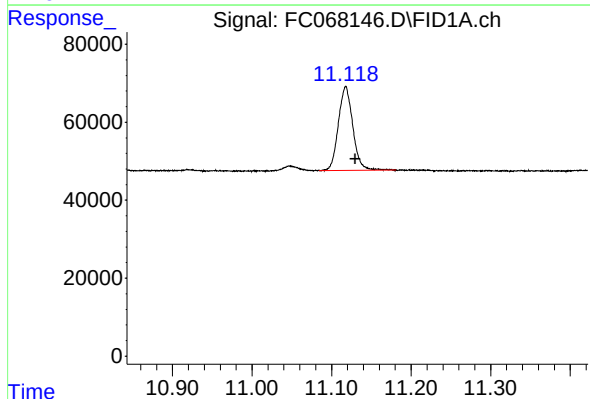
#7 n-Hexadecane (C16)

R.T.: 9.680 min
Delta R.T.: -0.010 min
Response: 255394
Conc: 1.84 ug/ml

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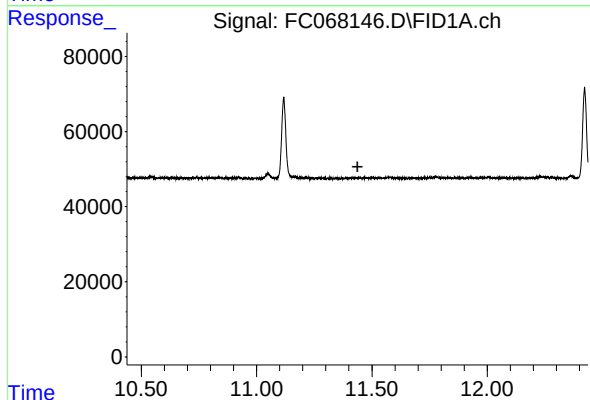
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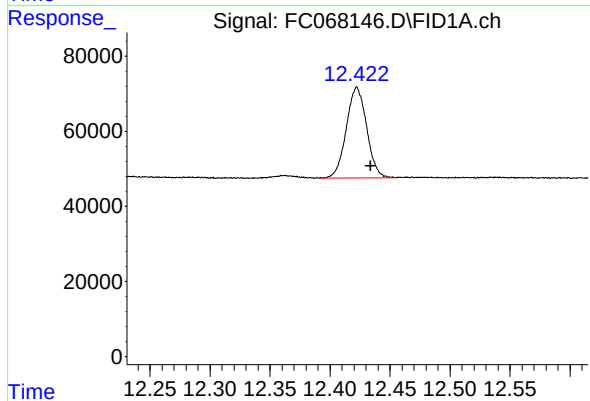
#8 n-Octadecane (C18)

R.T.: 11.118 min
Delta R.T.: -0.012 min
Response: 271674
Conc: 1.94 ug/ml



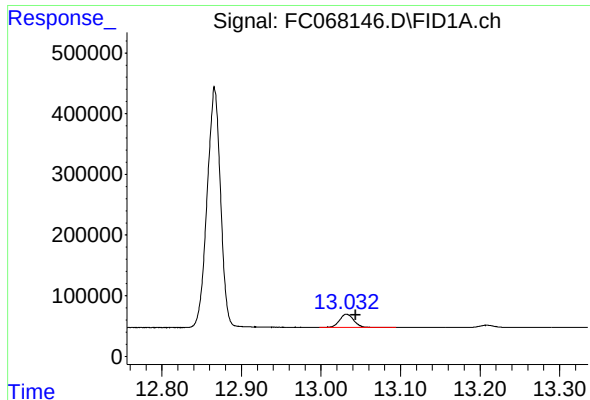
#9 ortho-Terphenyl (SURR)

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: 285007
Conc: 2.13 ug/ml m



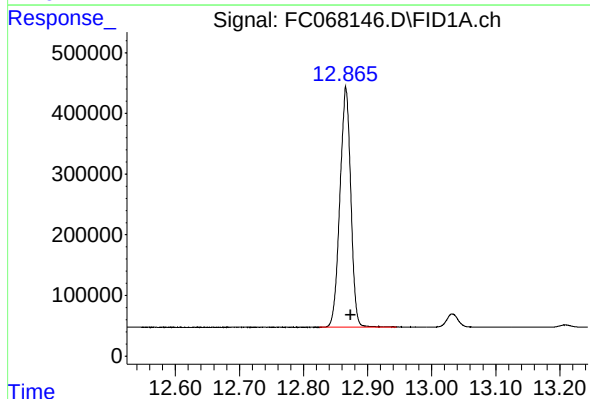
#11 n-Heneicosane (C21)

R.T.: 13.032 min
Delta R.T.: -0.011 min
Response: 267856
Conc: 2.04 ug/ml

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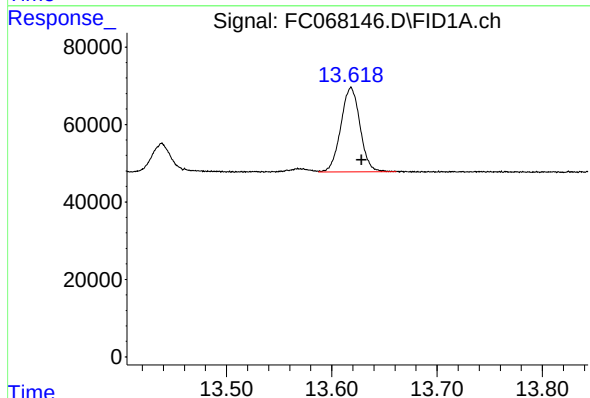
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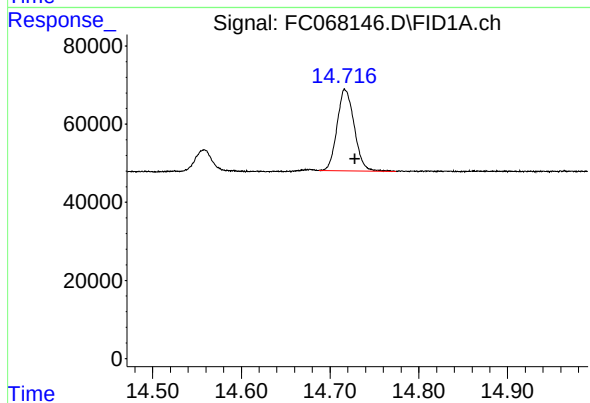
#12 1-chlorooctadecane (SURR)

R.T.: 12.866 min
Delta R.T.: -0.008 min
Response: 4632707
Conc: 40.28 ug/ml



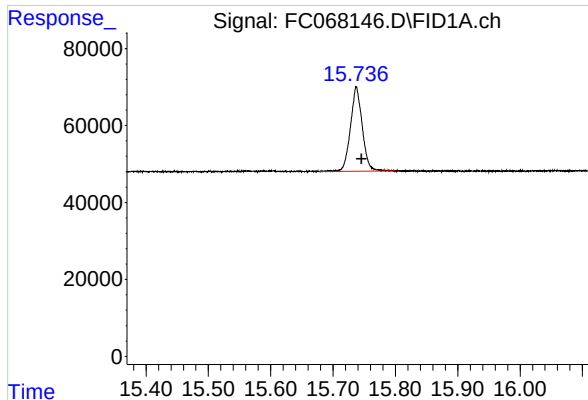
#13 n-Docosane (C22)

R.T.: 13.618 min
Delta R.T.: -0.010 min
Response: 277216
Conc: 2.14 ug/ml m



#14 n-Tetracosane (C24)

R.T.: 14.717 min
Delta R.T.: -0.011 min
Response: 279100
Conc: 2.17 ug/ml



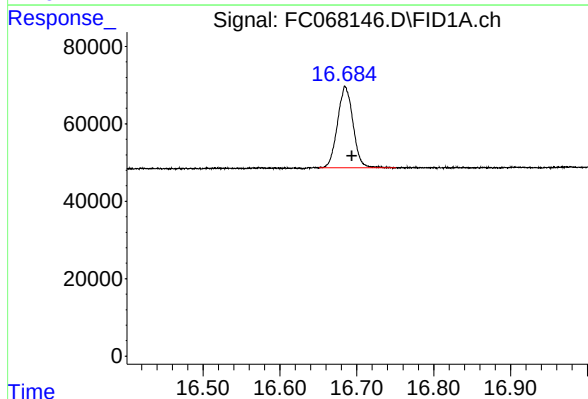
#15 n-Hexacosane (C26)

R.T.: 15.738 min
Delta R.T.: -0.008 min
Response: 288858
Conc: 2.30 ug/ml

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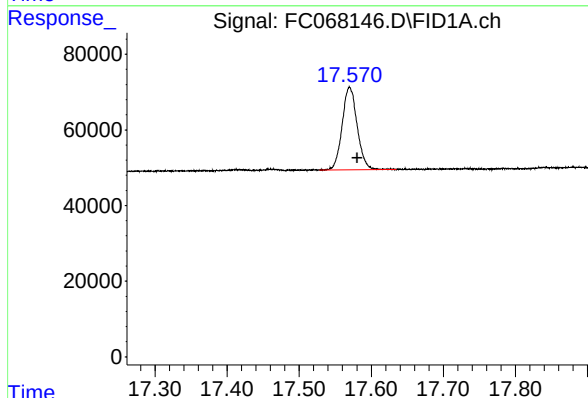
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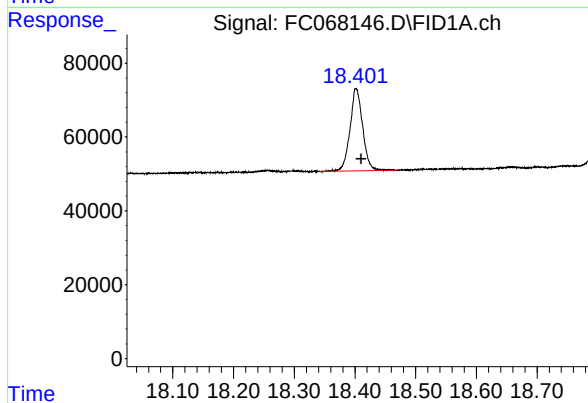
#16 n-Octacosane (C28)

R.T.: 16.685 min
Delta R.T.: -0.008 min
Response: 293699
Conc: 2.35 ug/ml



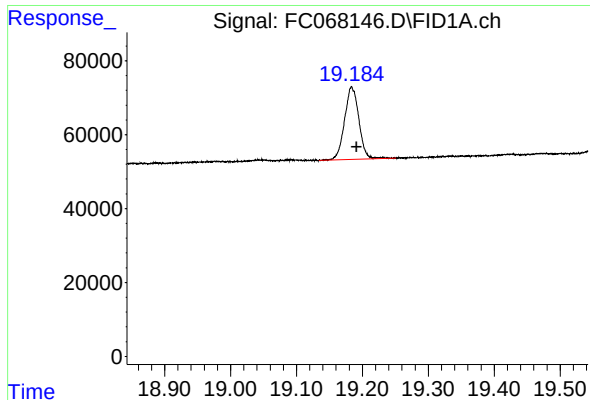
#17 n-Tricontane (C30)

R.T.: 17.570 min
Delta R.T.: -0.010 min
Response: 316944
Conc: 2.45 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.402 min
Delta R.T.: -0.008 min
Response: 323394
Conc: 2.59 ug/ml



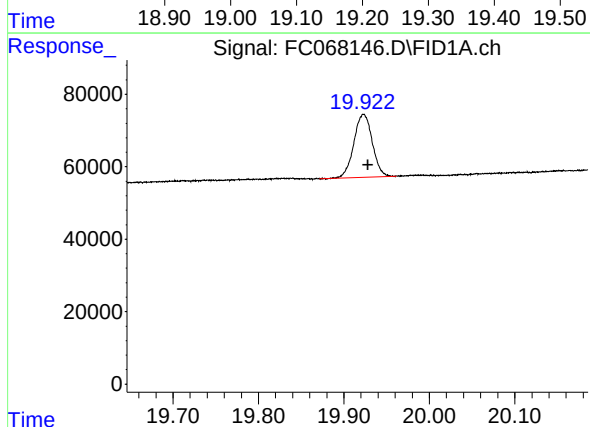
#19 n-Tetratriacontane (C34)

R.T.: 19.184 min
Delta R.T.: -0.007 min
Response: 296049
Conc: 2.73 ug/ml

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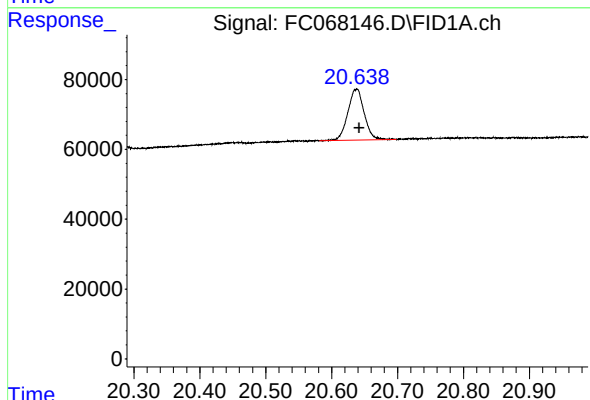
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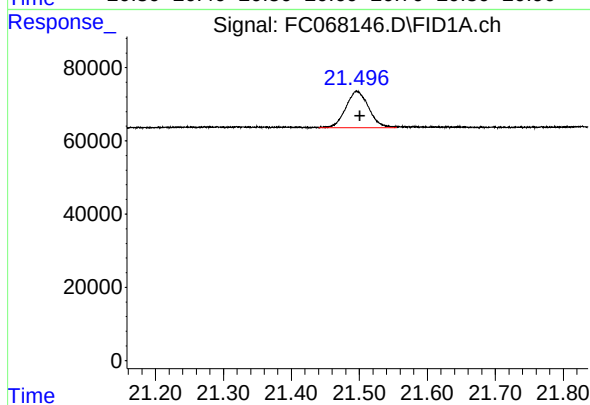
#20 n-Hexatriacontane (C36)

R.T.: 19.923 min
Delta R.T.: -0.005 min
Response: 260313
Conc: 2.81 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.637 min
Delta R.T.: -0.005 min
Response: 250245
Conc: 2.92 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.496 min
Delta R.T.: -0.005 min
Response: 233829
Conc: 2.89 ug/ml m