

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC012925AL\
 Data File : FC068148.D
 Signal(s) : FID1A.ch
 Acq On : 29 Jan 2025 11:10
 Operator : YP/AJ
 Sample : Q1168-02
 Misc : 5 PPM SOIL LOQ
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 LOQ-SOIL-02-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 01:29:42 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	4442254	38.627 ug/ml
Spiked Amount 50.000		Recovery =	77.25%
Target Compounds			
1) T n-Nonane (C9)	3.231	385742	2.817 ug/ml
2) T n-Decane (C10)	4.287	441356	3.179 ug/mlm
4) T n-Dodecane (C12)	6.296	500463	3.582 ug/ml
6) T n-Tetradecane (C14)	8.084	519541	3.807 ug/ml
7) T n-Hexadecane (C16)	9.680	511548	3.682 ug/ml
8) T n-Octadecane (C18)	11.117	532766	3.808 ug/mlm
10) T n-Eicosane (C20)	12.422	560303	4.188 ug/ml
11) T n-Heneicosane (C21)	13.033	531527	4.047 ug/ml
13) T n-Docosane (C22)	13.617	534013	4.123 ug/mlm
14) T n-Tetracosane (C24)	14.718	532243	4.146 ug/ml
15) T n-Hexacosane (C26)	15.737	540799	4.298 ug/ml
16) T n-Octacosane (C28)	16.685	554230	4.431 ug/ml
17) T n-Tricontane (C30)	17.571	585528	4.530 ug/ml
18) T n-Dotriacontane (C32)	18.402	593518	4.748 ug/ml
19) T n-Tetratriacontane (C34)	19.184	555182	5.118 ug/ml
20) T n-Hexatriacontane (C36)	19.923	500952	5.413 ug/ml
21) T n-Octatriacontane (C38)	20.636	485338	5.664 ug/ml
22) T n-Tetracontane (C40)	21.497	446756	5.525 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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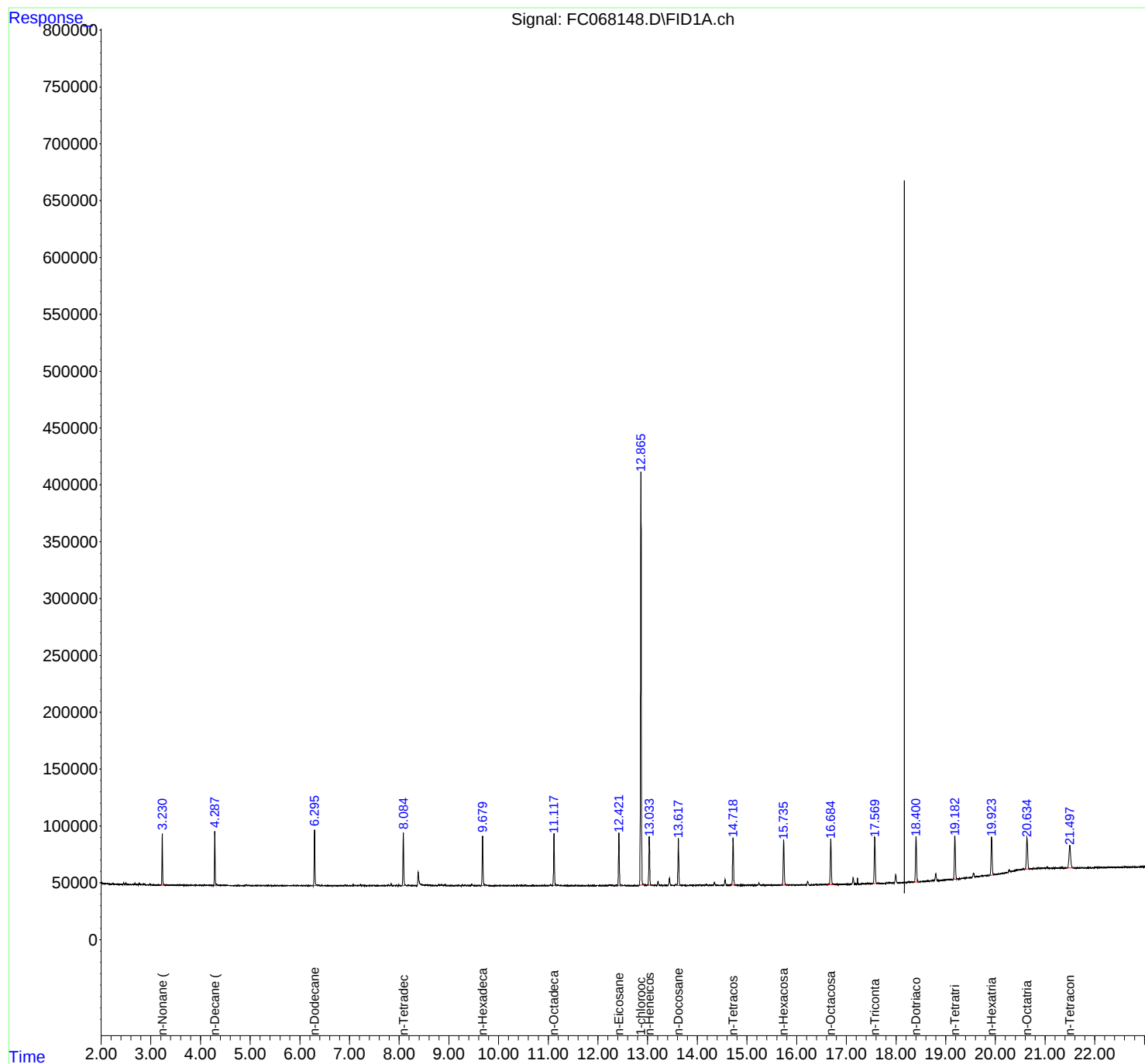
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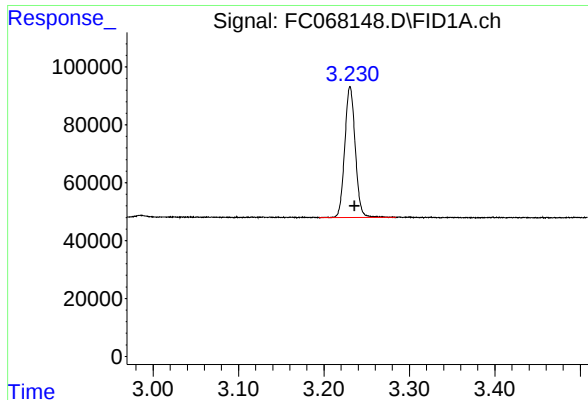
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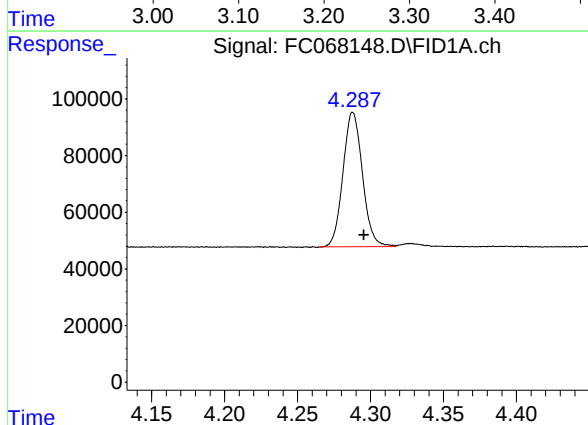
#1 n-Nonane (C9)

R.T.: 3.231 min
Delta R.T.: -0.005 min
Response: 385742
Conc: 2.82 ug/ml

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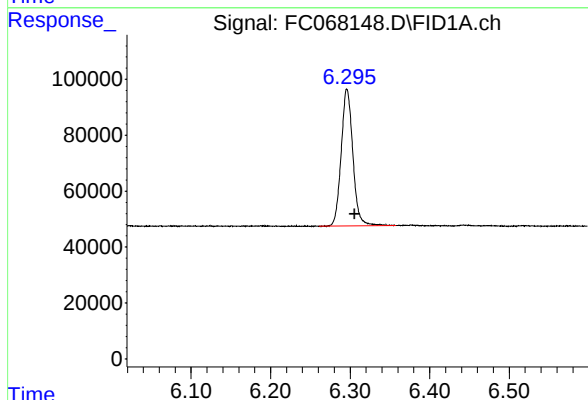
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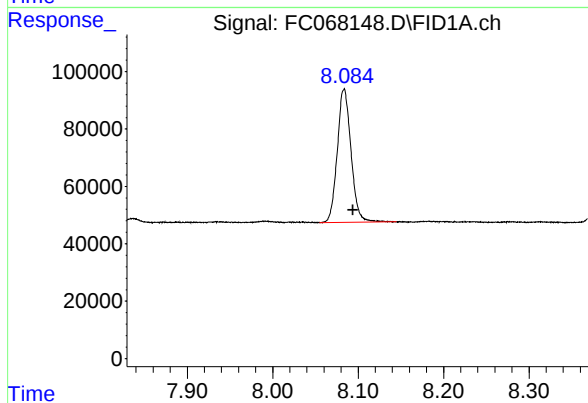
#2 n-Decane (C10)

R.T.: 4.287 min
Delta R.T.: -0.008 min
Response: 441356
Conc: 3.18 ug/ml m



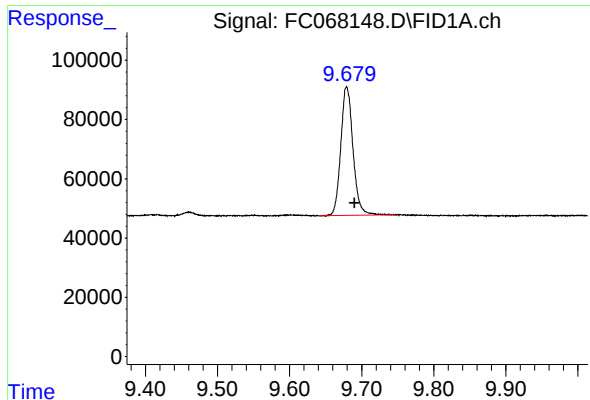
#4 n-Dodecane (C12)

R.T.: 6.296 min
Delta R.T.: -0.009 min
Response: 500463
Conc: 3.58 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.084 min
Delta R.T.: -0.010 min
Response: 519541
Conc: 3.81 ug/ml



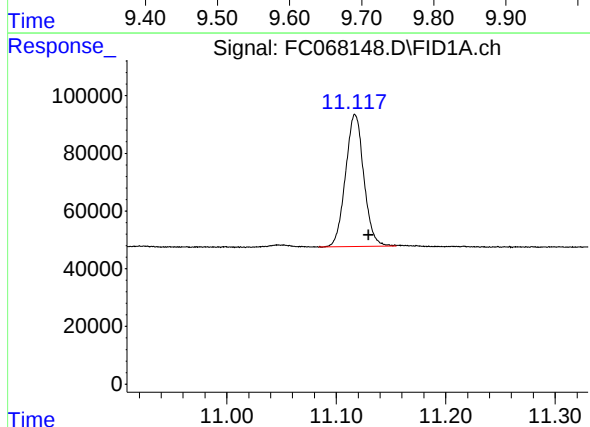
#7 n-Hexadecane (C16)

R.T.: 9.680 min
Delta R.T.: -0.011 min
Response: 511548
Conc: 3.68 ug/ml

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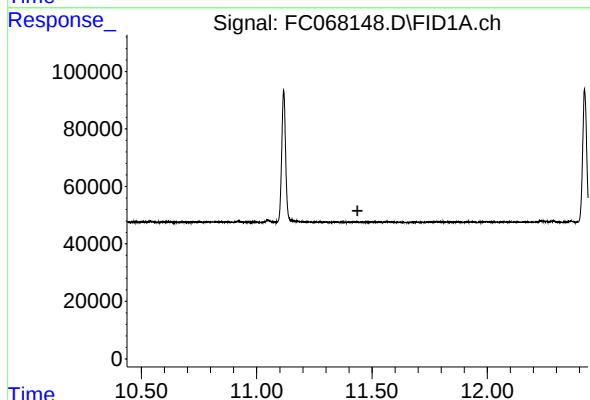
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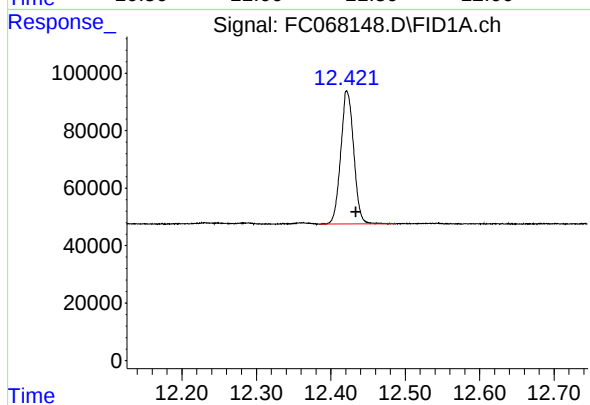
#8 n-Octadecane (C18)

R.T.: 11.117 min
Delta R.T.: -0.013 min
Response: 532766
Conc: 3.81 ug/ml m



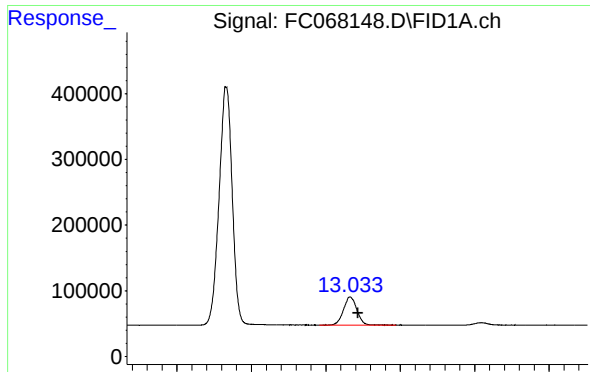
#9 ortho-Terphenyl (SURR)

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.: -0.011 min
Response: 560303
Conc: 4.19 ug/ml



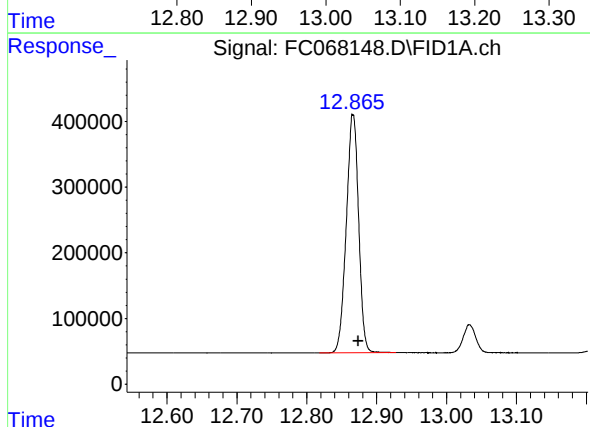
#11 n-Heneicosane (C21)

R.T.: 13.033 min
Delta R.T.: -0.011 min
Response: 531527
Conc: 4.05 ug/ml

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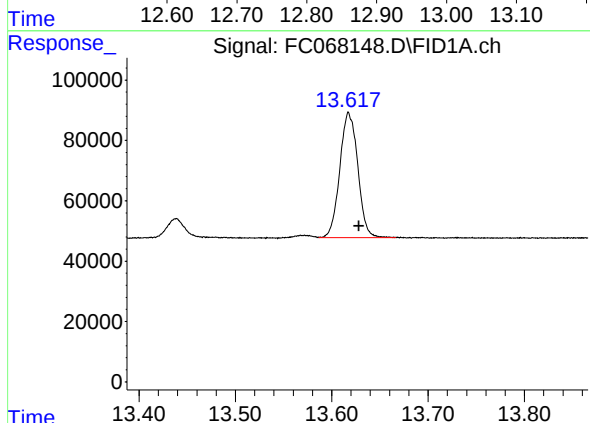
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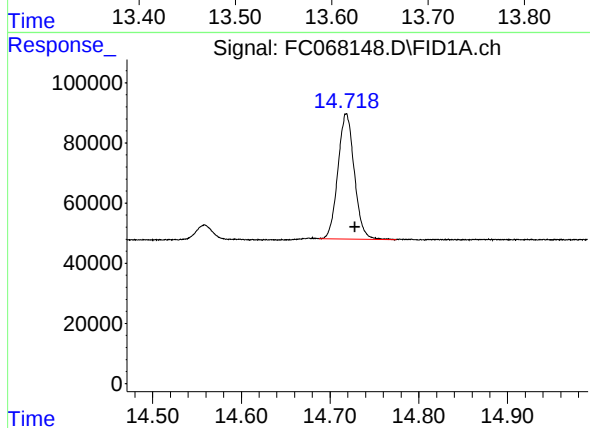
#12 1-chlorooctadecane (SURR)

R.T.: 12.866 min
Delta R.T.: -0.008 min
Response: 4442254
Conc: 38.63 ug/ml



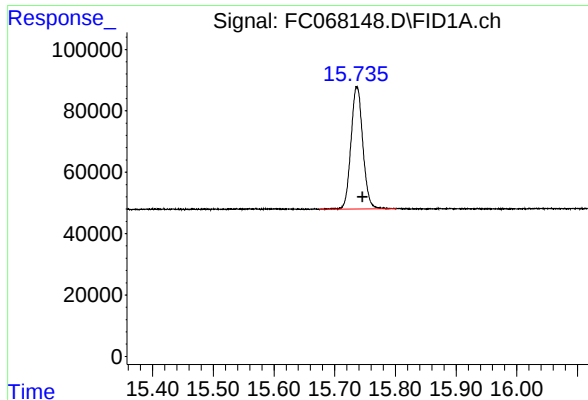
#13 n-Docosane (C22)

R.T.: 13.617 min
Delta R.T.: -0.011 min
Response: 534013
Conc: 4.12 ug/ml m



#14 n-Tetracosane (C24)

R.T.: 14.718 min
Delta R.T.: -0.010 min
Response: 532243
Conc: 4.15 ug/ml



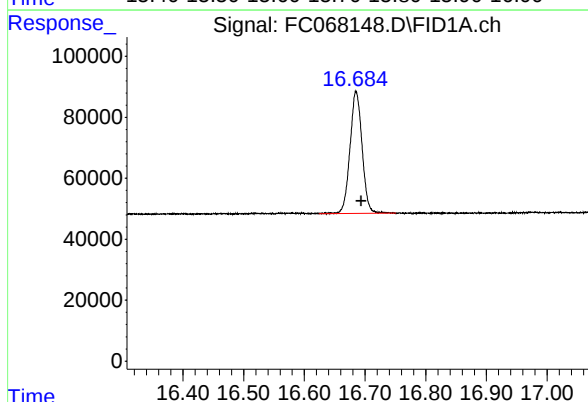
#15 n-Hexacosane (C26)

R.T.: 15.737 min
Delta R.T.: -0.009 min
Response: 540799
Conc: 4.30 ug/ml

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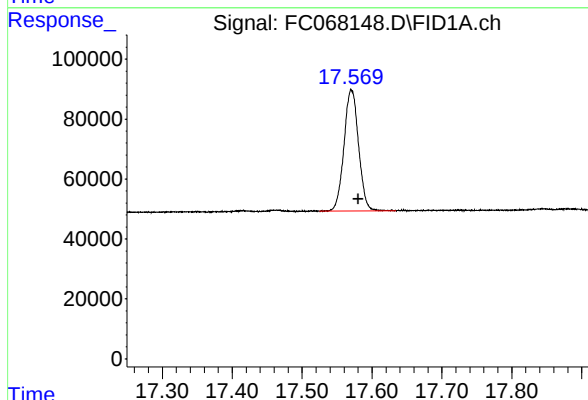
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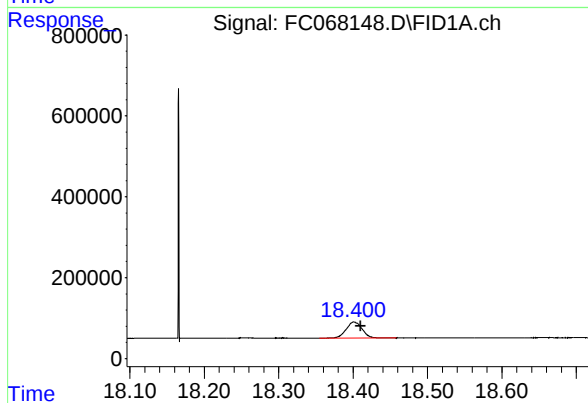
#16 n-Octacosane (C28)

R.T.: 16.685 min
Delta R.T.: -0.008 min
Response: 554230
Conc: 4.43 ug/ml



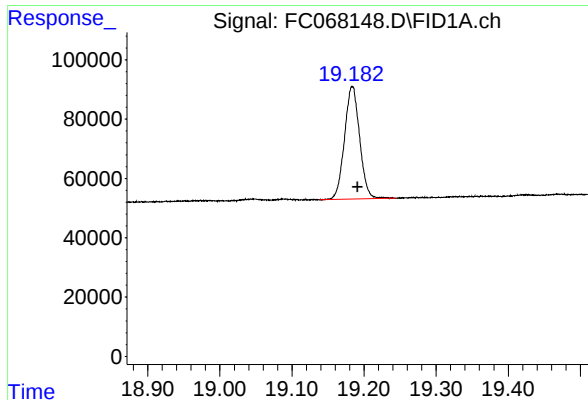
#17 n-Tricontane (C30)

R.T.: 17.571 min
Delta R.T.: -0.010 min
Response: 585528
Conc: 4.53 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.402 min
Delta R.T.: -0.009 min
Response: 593518
Conc: 4.75 ug/ml



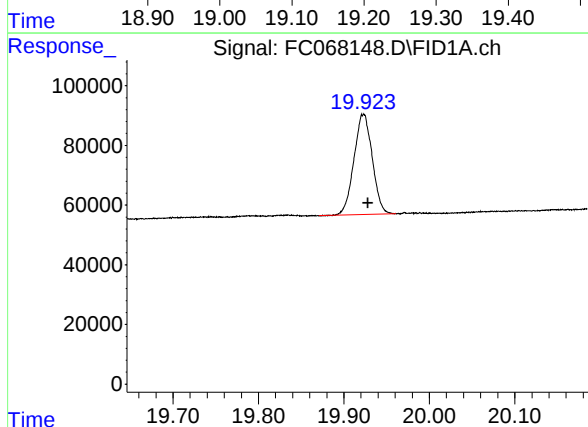
#19 n-Tetratriacontane (C34)

R.T.: 19.184 min
Delta R.T.: -0.007 min
Response: 555182
Conc: 5.12 ug/ml

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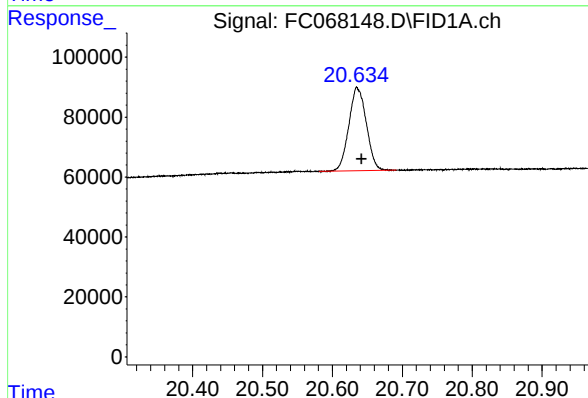
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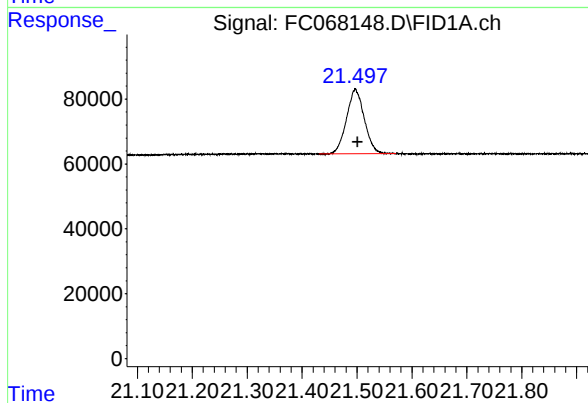
#20 n-Hexatriacontane (C36)

R.T.: 19.923 min
Delta R.T.: -0.005 min
Response: 500952
Conc: 5.41 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.636 min
Delta R.T.: -0.006 min
Response: 485338
Conc: 5.66 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.497 min
Delta R.T.: -0.004 min
Response: 446756
Conc: 5.53 ug/ml