

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022725AL\
 Data File : FC068312.D
 Signal(s) : FID1A.ch
 Acq On : 27 Feb 2025 14:03
 Operator : YP/AJ
 Sample : Q1421-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 P001-CLAY-CF01-01MS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/05/2025
 Supervised By :Ankita Jodhani 03/05/2025

Integration File: autoint1.e
 Quant Time: Mar 05 04:44:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Wed Mar 05 03:08:52 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...	12.840	3904213	34.712 ug/ml
Spiked Amount 50.000		Recovery =	69.42%
Target Compounds			
1) T n-Nonane (C9)	3.206	4022050	28.591 ug/ml
2) T n-Decane (C10)	4.263	4575486	32.296 ug/ml
4) T n-Dodecane (C12)	6.271	4874122	34.628 ug/ml
6) T n-Tetradecane (C14)	8.060	4965346	36.418 ug/ml
7) T n-Hexadecane (C16)	9.656	4960780	36.219 ug/ml
8) T n-Octadecane (C18)	11.094	5053949	36.955 ug/ml
10) T n-Eicosane (C20)	12.401	5159155	39.598 ug/ml
11) T n-Heneicosane (C21)	13.012	4939006	38.632 ug/ml
13) T n-Docosane (C22)	13.596	4933624	39.147 ug/ml
14) T n-Tetracosane (C24)	14.698	4864443	39.110 ug/ml
15) T n-Hexacosane (C26)	15.717	4768879	39.220 ug/ml
16) T n-Octacosane (C28)	16.665	4622336	38.919 ug/ml
17) T n-Tricontane (C30)	17.552	4660035	38.715 ug/mlm
18) T n-Dotriacontane (C32)	18.381	4477414	38.576 ug/mlm
19) T n-Tetratriacontane (C34)	19.166	4193800	38.810 ug/ml
20) T n-Hexatriacontane (C36)	19.904	3845962	39.992 ug/ml
21) T n-Octatriacontane (C38)	20.616	3662819	40.744 ug/ml
22) T n-Tetracontane (C40)	21.473	3506889	40.532 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP/AJ
Sample : Q1421-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

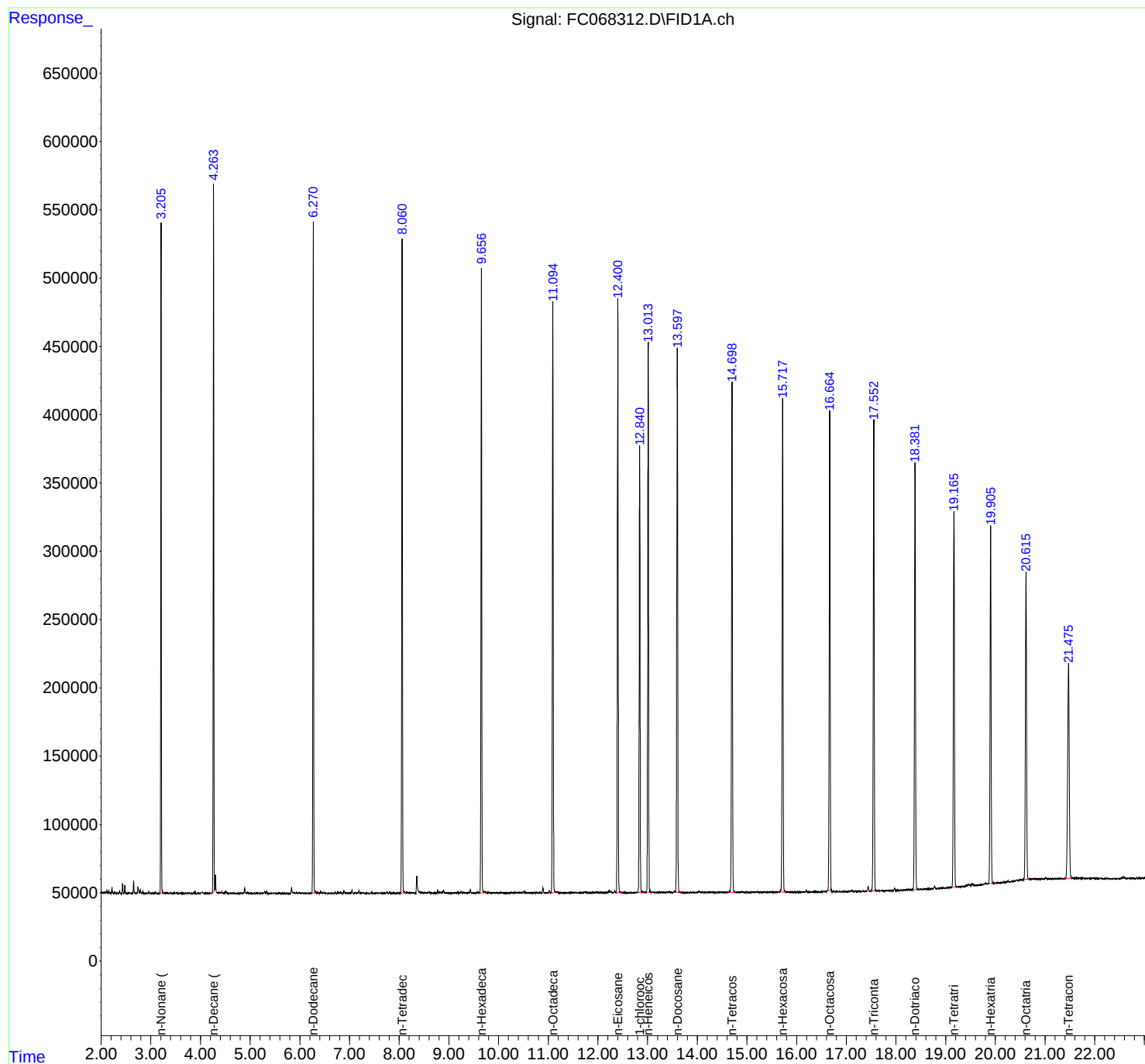
Instrument :
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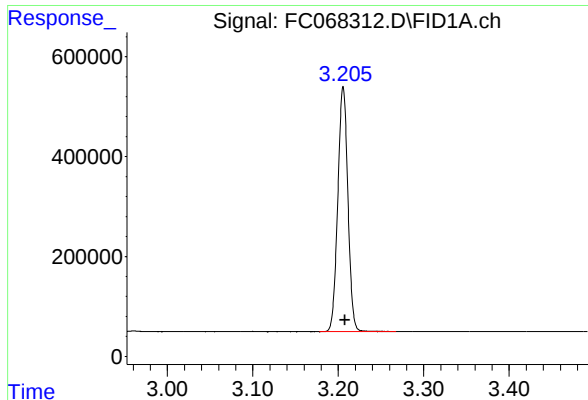
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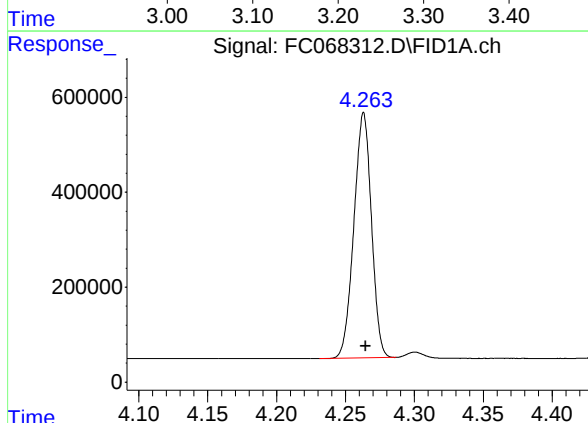
#1 n-Nonane (C9)

R.T.: 3.206 min
Delta R.T.: -0.002 min
Response: 4022050
Conc: 28.59 ug/ml

Instrument : FID_C
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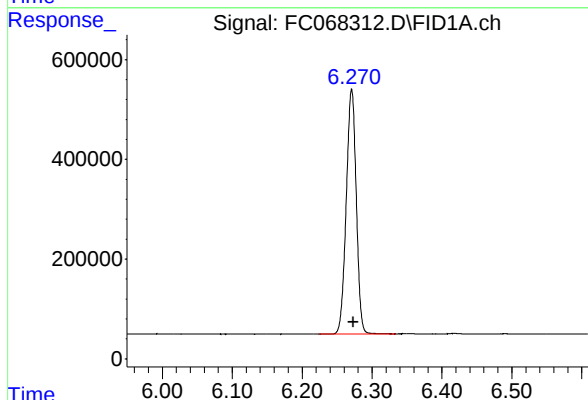
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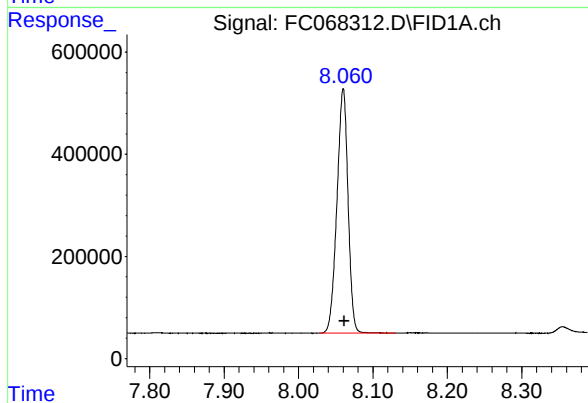
#2 n-Decane (C10)

R.T.: 4.263 min
Delta R.T.: -0.002 min
Response: 4575486
Conc: 32.30 ug/ml



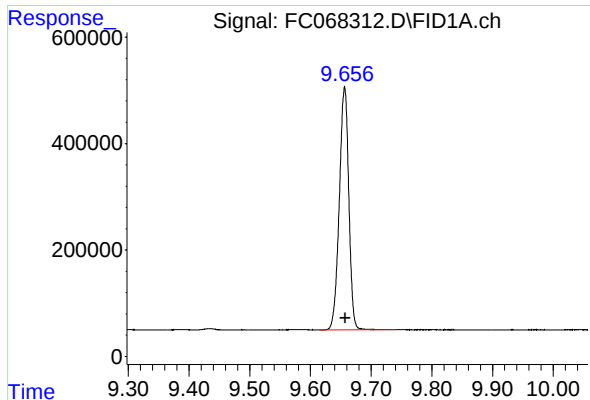
#4 n-Dodecane (C12)

R.T.: 6.271 min
Delta R.T.: -0.002 min
Response: 4874122
Conc: 34.63 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.060 min
Delta R.T.: -0.002 min
Response: 4965346
Conc: 36.42 ug/ml



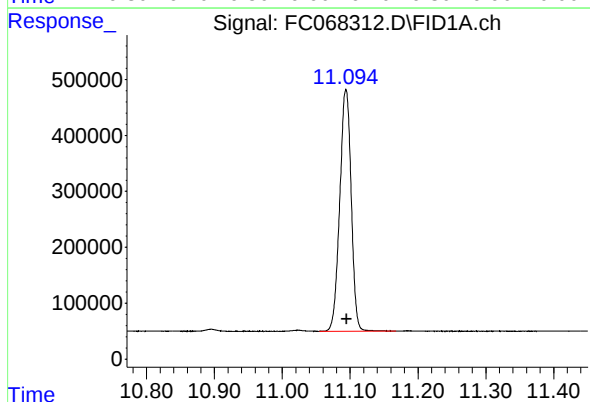
#7 n-Hexadecane (C16)

R.T.: 9.656 min
Delta R.T.: -0.001 min
Response: 4960780
Conc: 36.22 ug/ml

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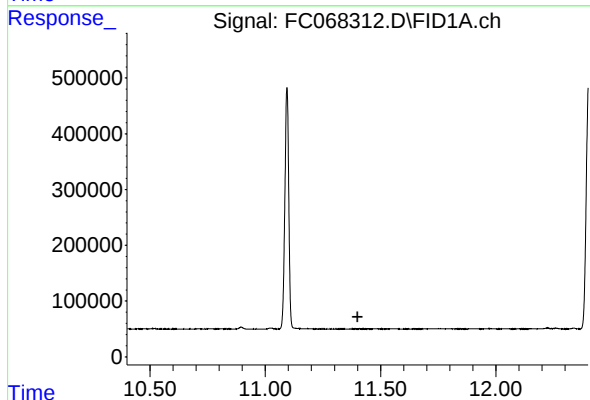
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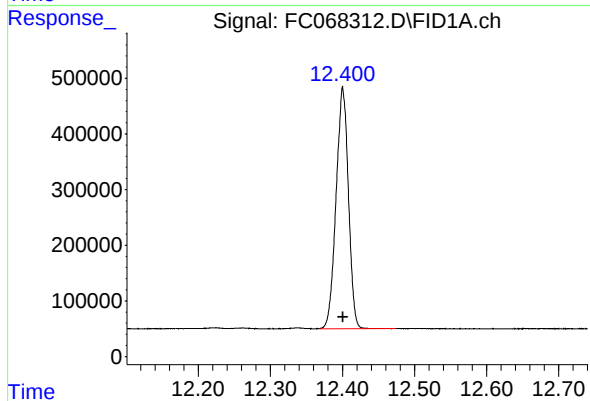
#8 n-Octadecane (C18)

R.T.: 11.094 min
Delta R.T.: 0.000 min
Response: 5053949
Conc: 36.96 ug/ml



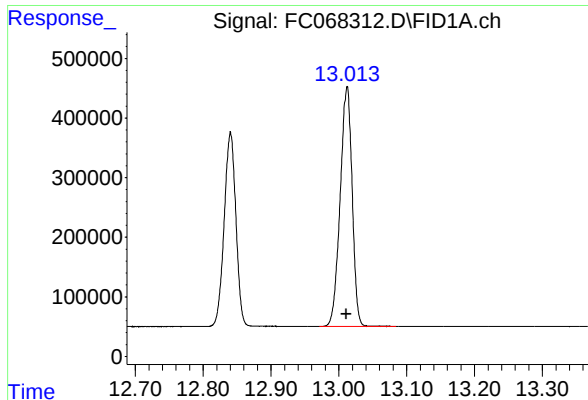
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.400 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.401 min
Delta R.T.: 0.000 min
Response: 5159155
Conc: 39.60 ug/ml



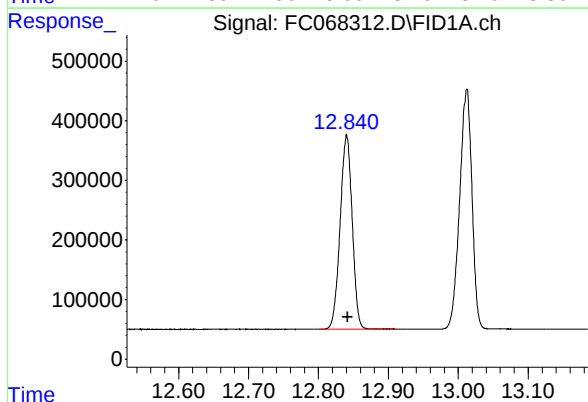
#11 n-Heneicosane (C21)

R.T.: 13.012 min
Delta R.T.: 0.000 min
Response: 4939006
Conc: 38.63 ug/ml

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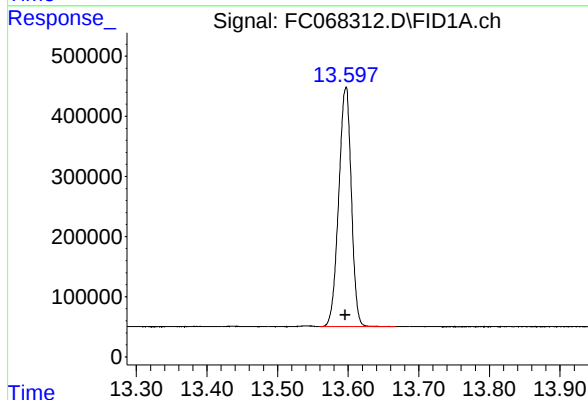
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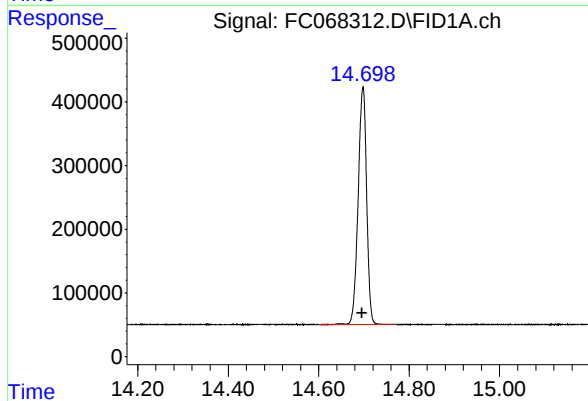
#12 1-chlorooctadecane (SURR)

R.T.: 12.840 min
Delta R.T.: -0.001 min
Response: 3904213
Conc: 34.71 ug/ml



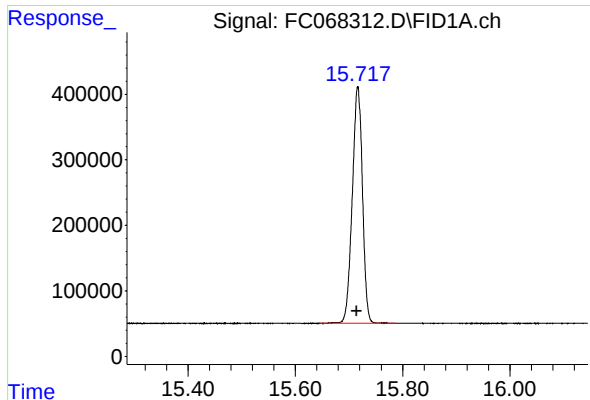
#13 n-Docosane (C22)

R.T.: 13.596 min
Delta R.T.: 0.000 min
Response: 4933624
Conc: 39.15 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.698 min
Delta R.T.: 0.002 min
Response: 4864443
Conc: 39.11 ug/ml



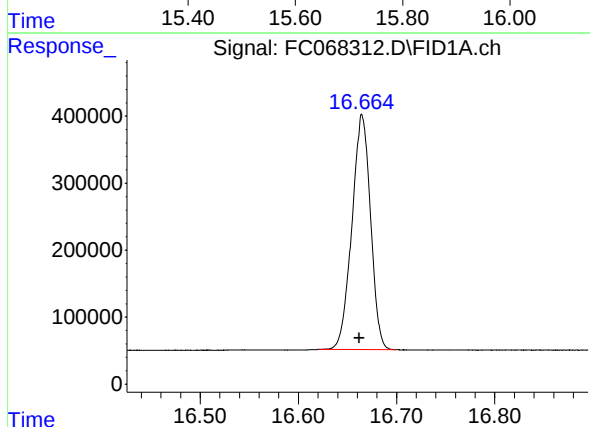
#15 n-Hexacosane (C26)

R.T.: 15.717 min
Delta R.T.: 0.003 min
Response: 4768879
Conc: 39.22 ug/ml

Instrument :
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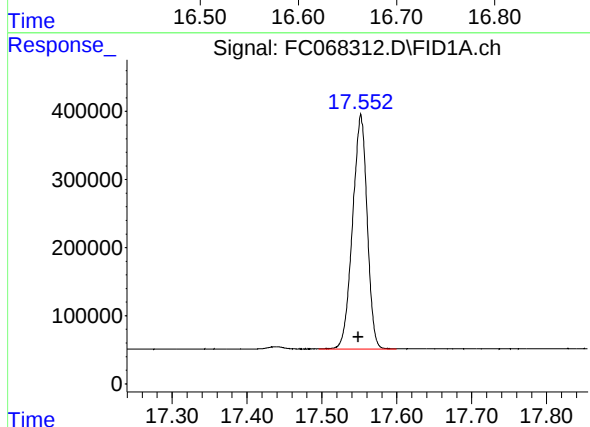
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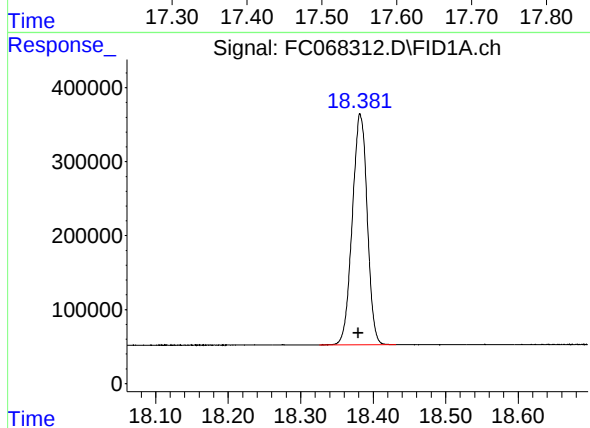
#16 n-Octacosane (C28)

R.T.: 16.665 min
Delta R.T.: 0.003 min
Response: 4622336
Conc: 38.92 ug/ml



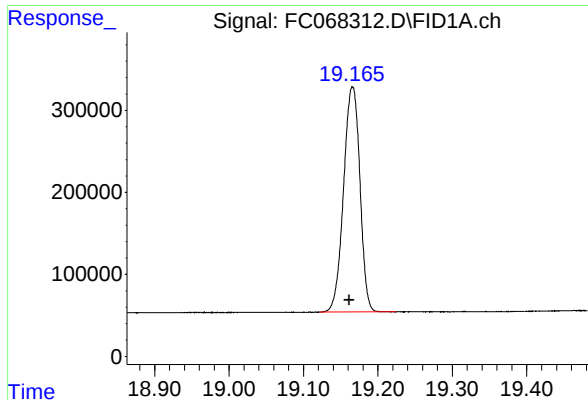
#17 n-Tricontane (C30)

R.T.: 17.552 min
Delta R.T.: 0.003 min
Response: 4660035
Conc: 38.72 ug/ml m



#18 n-Dotriacontane (C32)

R.T.: 18.381 min
Delta R.T.: 0.002 min
Response: 4477414
Conc: 38.58 ug/ml m



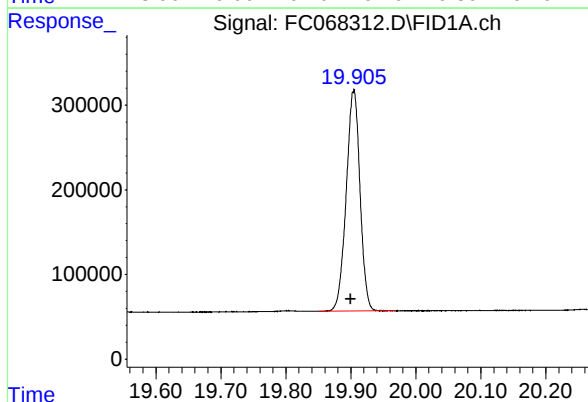
#19 n-Tetratriacontane (C34)

R.T.: 19.166 min
Delta R.T.: 0.005 min
Response: 4193800
Conc: 38.81 ug/ml

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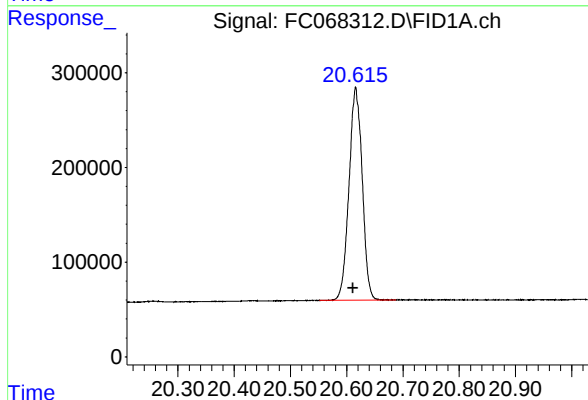
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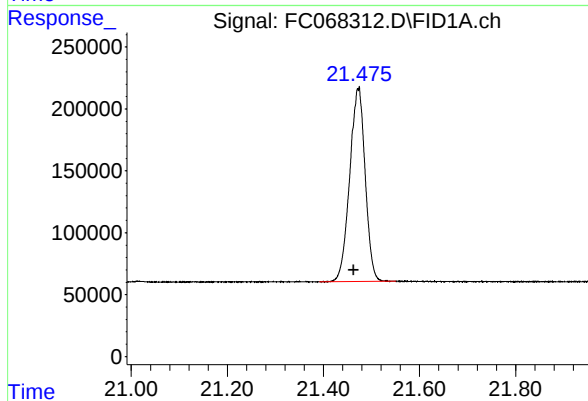
#20 n-Hexatriacontane (C36)

R.T.: 19.904 min
Delta R.T.: 0.004 min
Response: 3845962
Conc: 39.99 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.616 min
Delta R.T.: 0.005 min
Response: 3662819
Conc: 40.74 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.473 min
Delta R.T.: 0.010 min
Response: 3506889
Conc: 40.53 ug/ml