

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC012925AL\
 Data File : FC068156.D
 Signal(s) : FID1A.ch
 Acq On : 30 Jan 2025 03:39
 Operator : YP/AJ
 Sample : Q1168-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 MDL-SOIL-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 05:36:45 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...	12.862	4683379	40.724 ug/ml
Spiked Amount 50.000		Recovery =	81.45%
Target Compounds			
1) T n-Nonane (C9)	3.230	205462	1.500 ug/ml
2) T n-Decane (C10)	4.287	238608	1.719 ug/ml
4) T n-Dodecane (C12)	6.294	286906	2.054 ug/ml
6) T n-Tetradecane (C14)	8.082	274329	2.010 ug/ml
7) T n-Hexadecane (C16)	9.677	255863	1.841 ug/ml
8) T n-Octadecane (C18)	11.114	272413	1.947 ug/ml
10) T n-Eicosane (C20)	12.417	286000	2.137 ug/mlm
11) T n-Heneicosane (C21)	13.028	267852	2.039 ug/ml
13) T n-Docosane (C22)	13.613	279654	2.159 ug/mlm
14) T n-Tetracosane (C24)	14.713	291481	2.270 ug/mlm
15) T n-Hexacosane (C26)	15.732	289027	2.297 ug/ml
16) T n-Octacosane (C28)	16.679	318999	2.551 ug/ml
17) T n-Tricontane (C30)	17.564	363376	2.811 ug/ml
18) T n-Dotriacontane (C32)	18.395	377529	3.020 ug/ml
19) T n-Tetratriacontane (C34)	19.177	341077	3.144 ug/ml
20) T n-Hexatriacontane (C36)	19.916	290379	3.138 ug/ml
21) T n-Octatriacontane (C38)	20.629	269334	3.143 ug/ml
22) T n-Tetracontane (C40)	21.489	242352	2.997 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Misc :
ALS Vial : 12 Sample Multiplier: 1

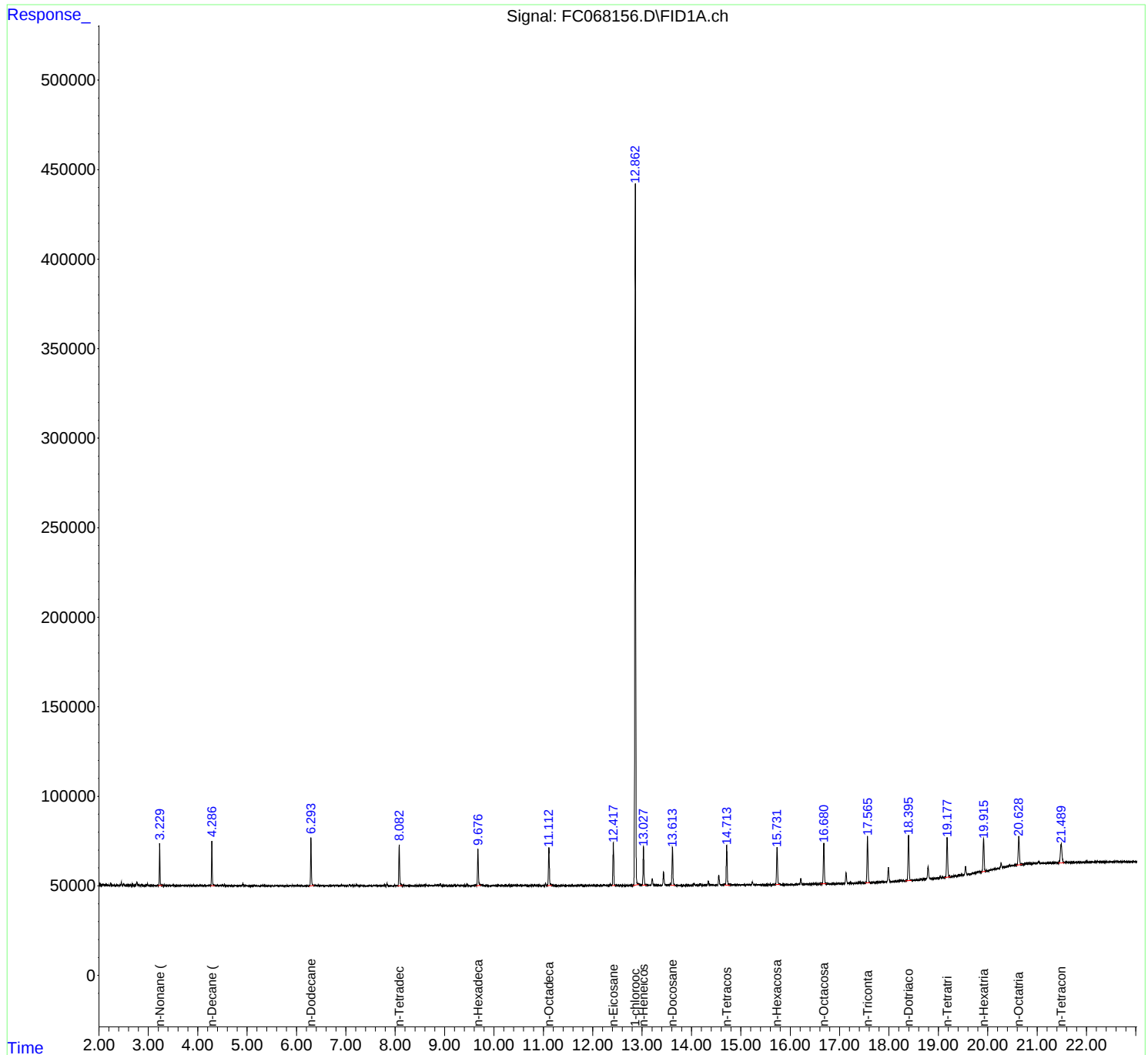
Instrument :
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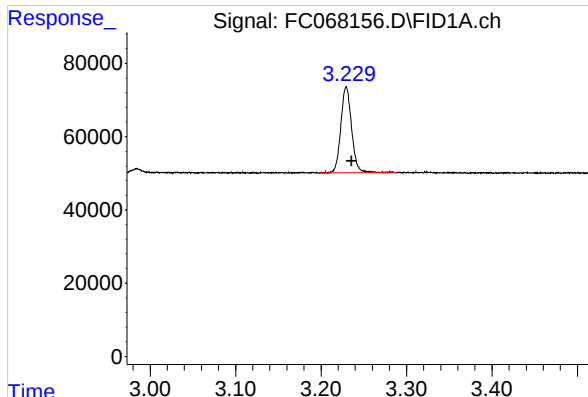
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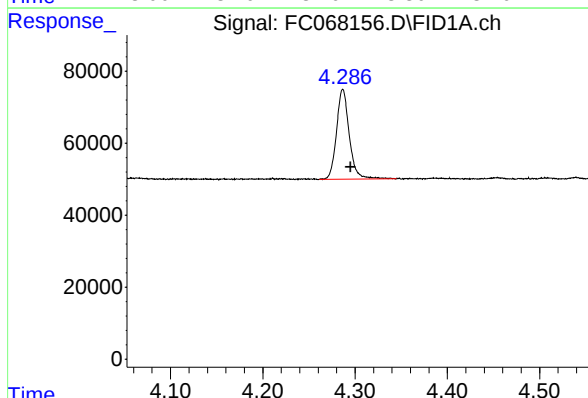
#1 n-Nonane (C9)

R.T.: 3.230 min
Delta R.T.: -0.006 min
Response: 205462
Conc: 1.50 ug/ml

Instrument :
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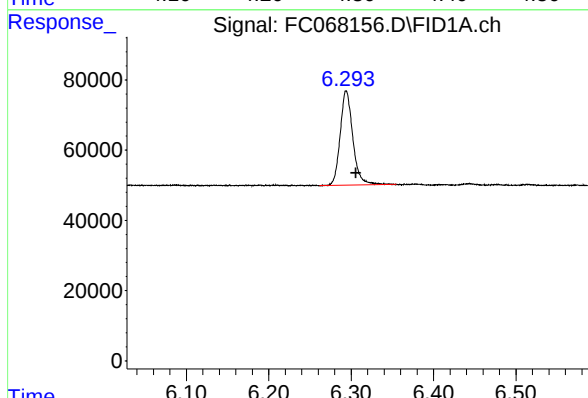
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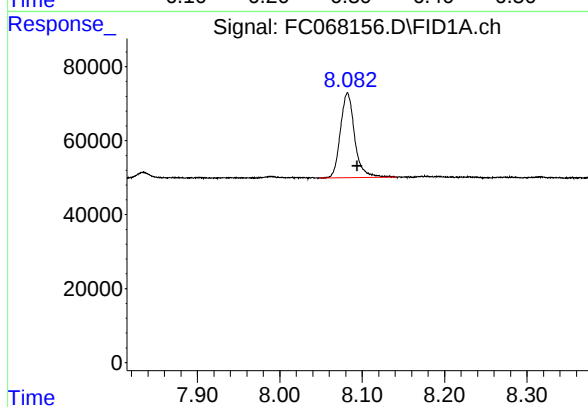
#2 n-Decane (C10)

R.T.: 4.287 min
Delta R.T.: -0.009 min
Response: 238608
Conc: 1.72 ug/ml



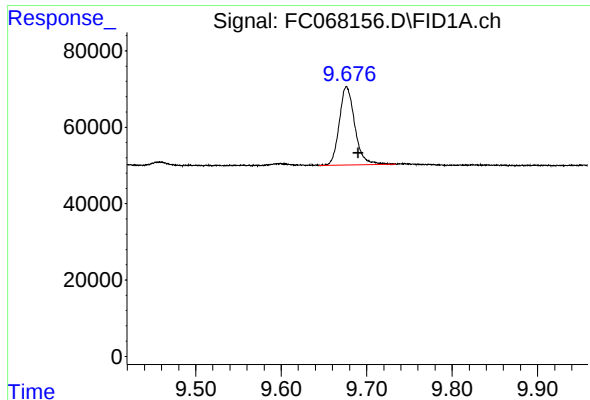
#4 n-Dodecane (C12)

R.T.: 6.294 min
Delta R.T.: -0.011 min
Response: 286906
Conc: 2.05 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.082 min
Delta R.T.: -0.012 min
Response: 274329
Conc: 2.01 ug/ml



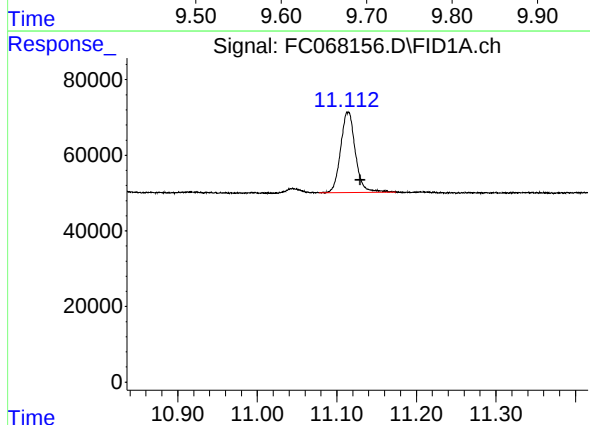
#7 n-Hexadecane (C16)

R.T.: 9.677 min
Delta R.T.: -0.013 min
Response: 255863
Conc: 1.84 ug/ml

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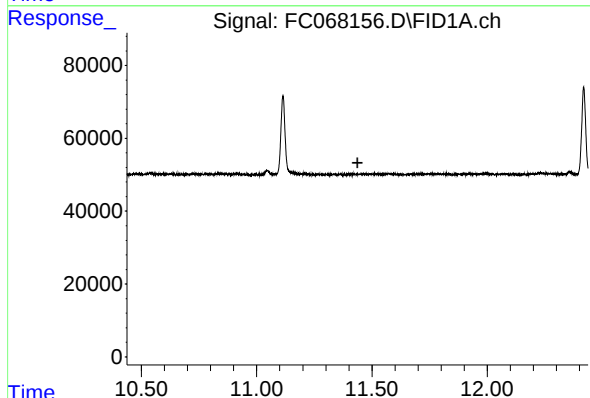
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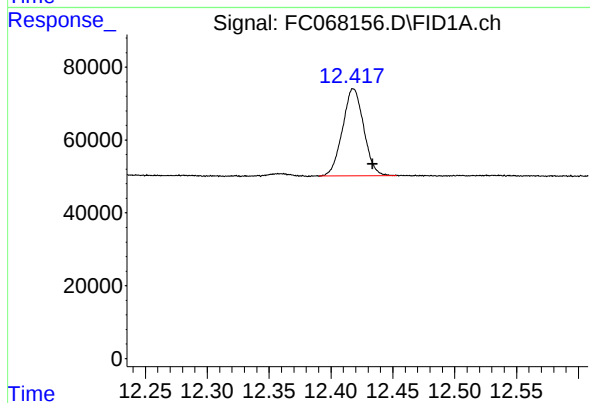
#8 n-Octadecane (C18)

R.T.: 11.114 min
Delta R.T.: -0.015 min
Response: 272413
Conc: 1.95 ug/ml



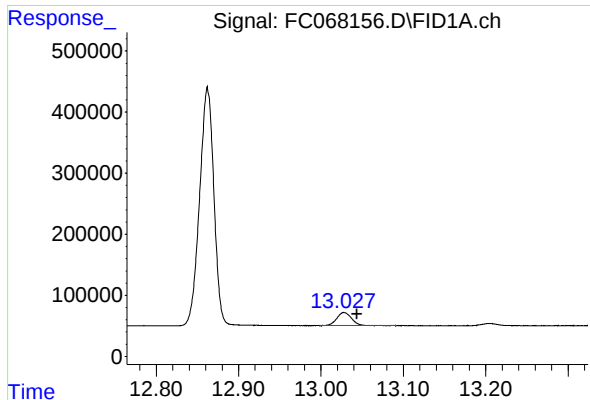
#9 ortho-Terphenyl (SURR)

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



#10 n-Eicosane (C20)

R.T.: 12.417 min
Delta R.T.: -0.017 min
Response: 286000
Conc: 2.14 ug/ml m



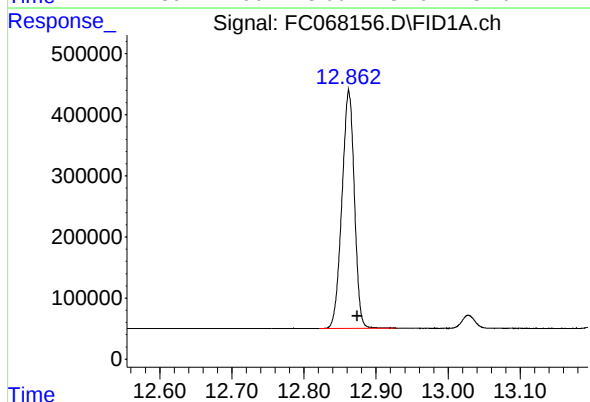
#11 n-Heneicosane (C21)

R.T.: 13.028 min
Delta R.T.: -0.015 min
Response: 267852
Conc: 2.04 ug/ml

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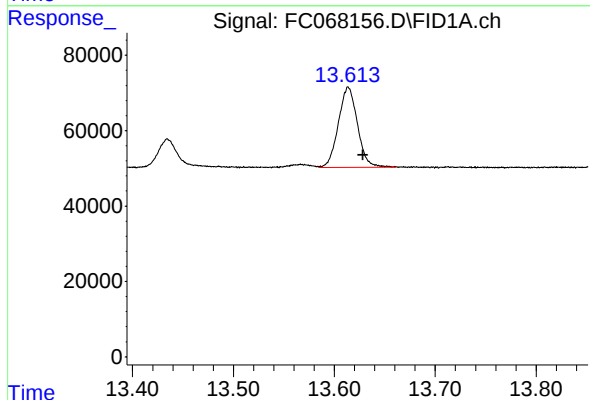
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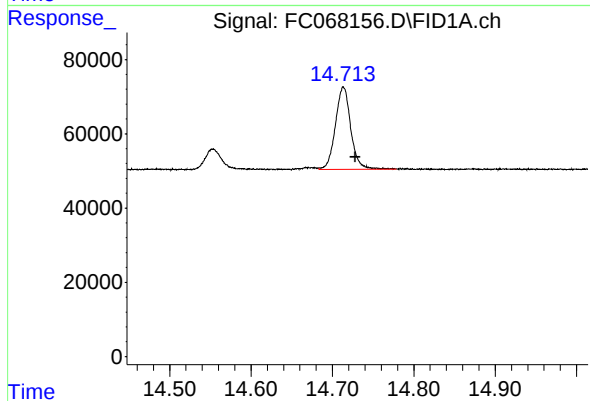
#12 1-chlorooctadecane (SURR)

R.T.: 12.862 min
Delta R.T.: -0.012 min
Response: 4683379
Conc: 40.72 ug/ml



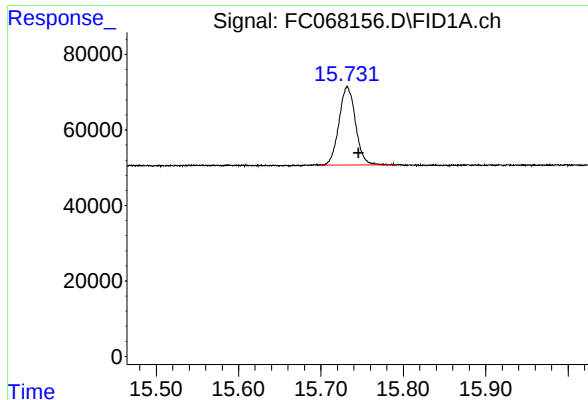
#13 n-Docosane (C22)

R.T.: 13.613 min
Delta R.T.: -0.015 min
Response: 279654
Conc: 2.16 ug/ml m



#14 n-Tetracosane (C24)

R.T.: 14.713 min
Delta R.T.: -0.015 min
Response: 291481
Conc: 2.27 ug/ml m



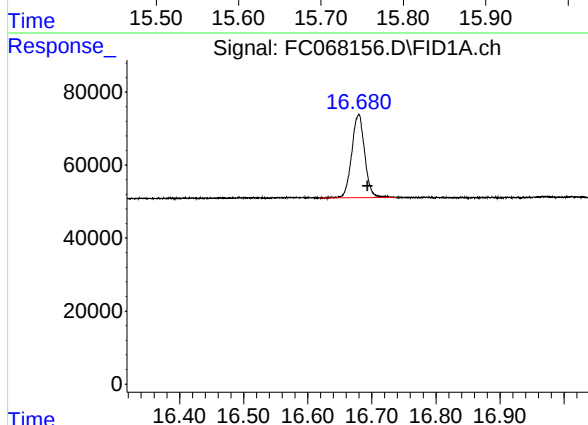
#15 n-Hexacosane (C26)

R.T.: 15.732 min
Delta R.T.: -0.014 min
Response: 289027
Conc: 2.30 ug/ml

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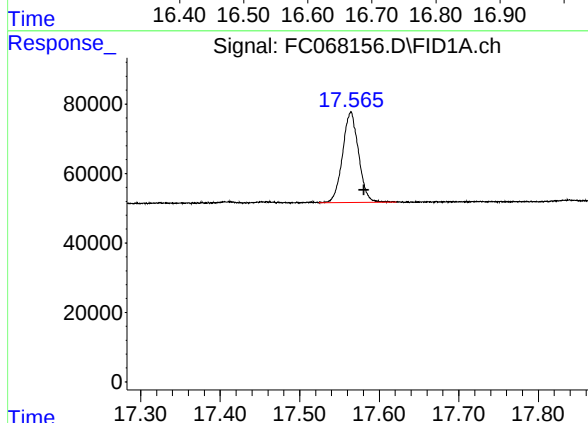
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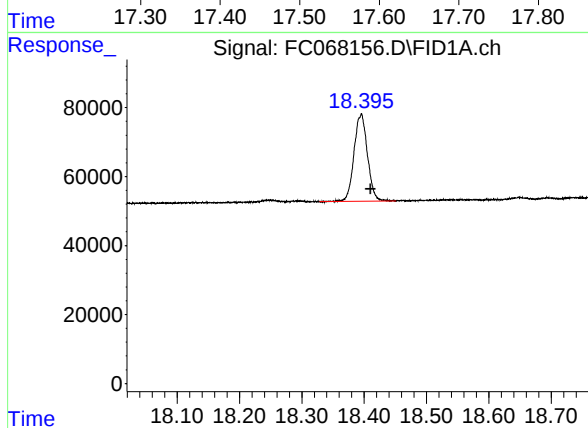
#16 n-Octacosane (C28)

R.T.: 16.679 min
Delta R.T.: -0.015 min
Response: 318999
Conc: 2.55 ug/ml



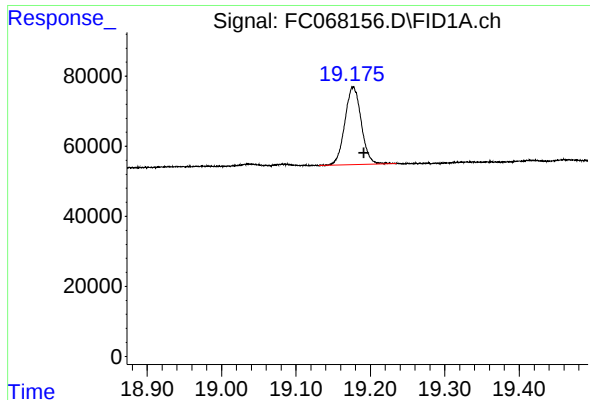
#17 n-Tricontane (C30)

R.T.: 17.564 min
Delta R.T.: -0.016 min
Response: 363376
Conc: 2.81 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.395 min
Delta R.T.: -0.016 min
Response: 377529
Conc: 3.02 ug/ml



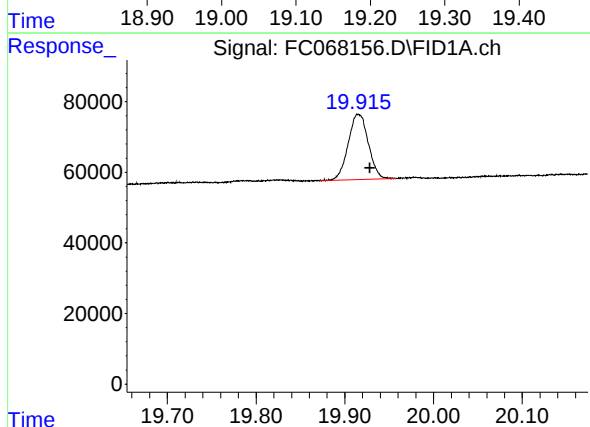
#19 n-Tetratriacontane (C34)

R.T.: 19.177 min
Delta R.T.: -0.014 min
Response: 341077
Conc: 3.14 ug/ml

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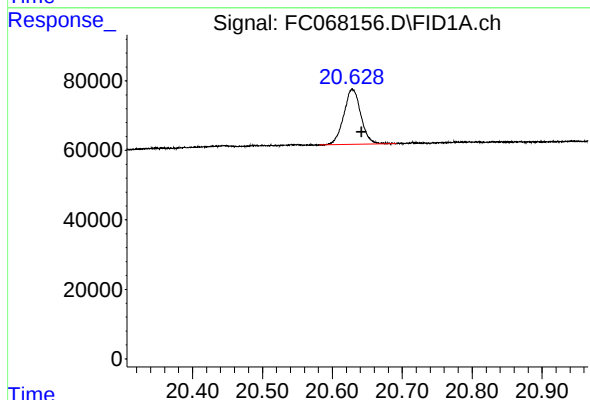
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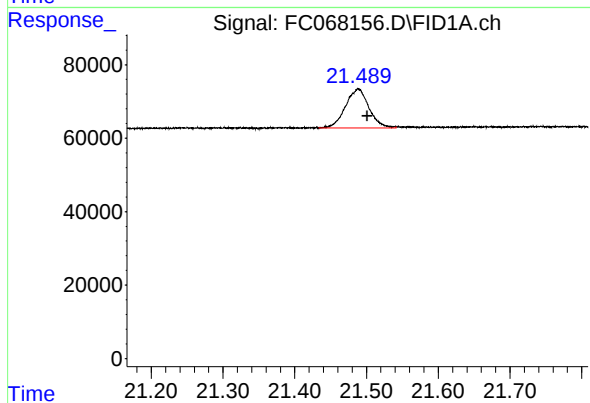
#20 n-Hexatriacontane (C36)

R.T.: 19.916 min
Delta R.T.: -0.013 min
Response: 290379
Conc: 3.14 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.629 min
Delta R.T.: -0.013 min
Response: 269334
Conc: 3.14 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.489 min
Delta R.T.: -0.012 min
Response: 242352
Conc: 3.00 ug/ml m