

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC012825AL\
 Data File : FC068138.D
 Signal(s) : FID1A.ch
 Acq On : 28 Jan 2025 18:43
 Operator : YP/AJ
 Sample : Q1168-08
 Misc : 5 PPM WATER LOQ
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 LOQ-WATER-02-QT1-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/29/2025
 Supervised By :Ankita Jodhani 01/29/2025

Integration File: autoint1.e
 Quant Time: Jan 29 00:45:41 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...	12.867	4330803	37.658 ug/ml
Spiked Amount 50.000		Recovery =	75.32%
Target Compounds			
1) T n-Nonane (C9)	3.231	378362	2.763 ug/ml
2) T n-Decane (C10)	4.289	424692	3.059 ug/ml
4) T n-Dodecane (C12)	6.297	489420	3.503 ug/ml
6) T n-Tetradecane (C14)	8.085	509027	3.730 ug/ml
7) T n-Hexadecane (C16)	9.681	502763	3.618 ug/ml
8) T n-Octadecane (C18)	11.117	538703	3.850 ug/mlm
10) T n-Eicosane (C20)	12.423	541204	4.045 ug/ml
11) T n-Heneicosane (C21)	13.033	516351	3.931 ug/ml
13) T n-Docosane (C22)	13.618	509121	3.930 ug/ml
14) T n-Tetracosane (C24)	14.719	494253	3.850 ug/ml
15) T n-Hexacosane (C26)	15.738	480165	3.816 ug/ml
16) T n-Octacosane (C28)	16.684	476253	3.808 ug/ml
17) T n-Tricontane (C30)	17.572	486909	3.767 ug/ml
18) T n-Dotriacontane (C32)	18.402	484733	3.878 ug/ml
19) T n-Tetratriacontane (C34)	19.184	471186	4.344 ug/ml
20) T n-Hexatriacontane (C36)	19.923	450619	4.869 ug/ml
21) T n-Octatriacontane (C38)	20.638	444155	5.183 ug/ml
22) T n-Tetracontane (C40)	21.498	420587	5.201 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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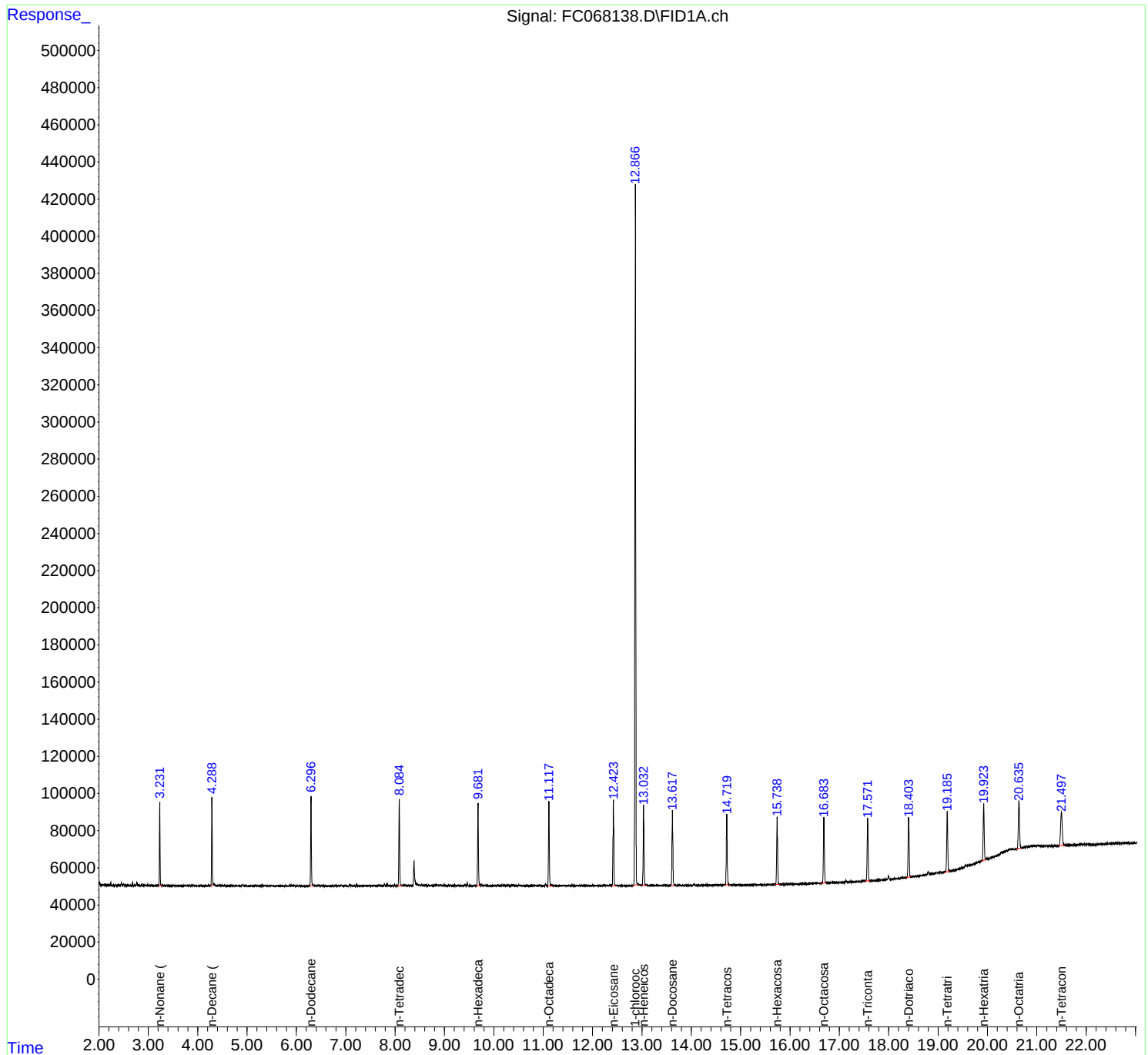
Instrument :
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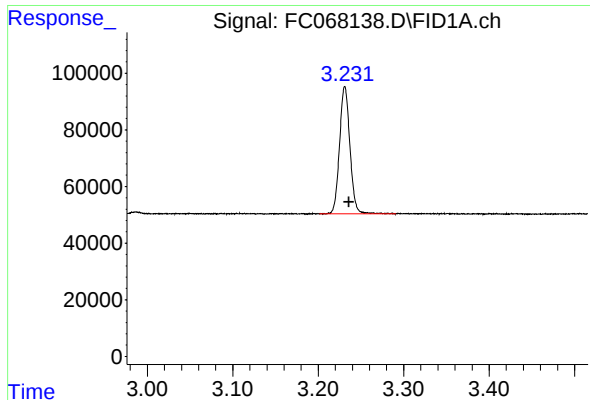
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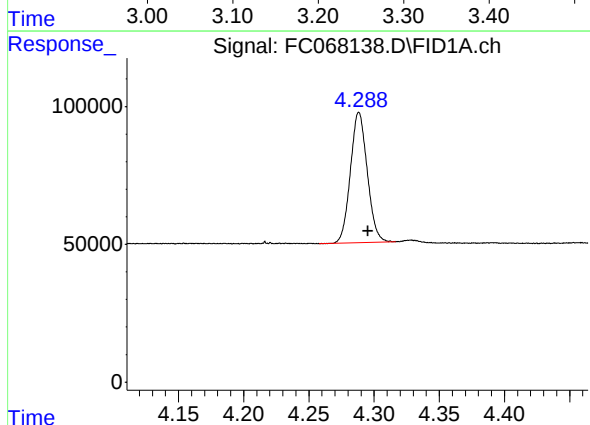
#1 n-Nonane (C9)

R.T.: 3.231 min
Delta R.T.: -0.005 min
Response: 378362
Conc: 2.76 ug/ml

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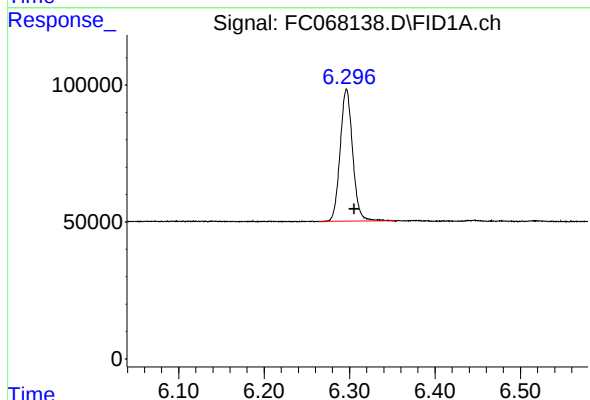
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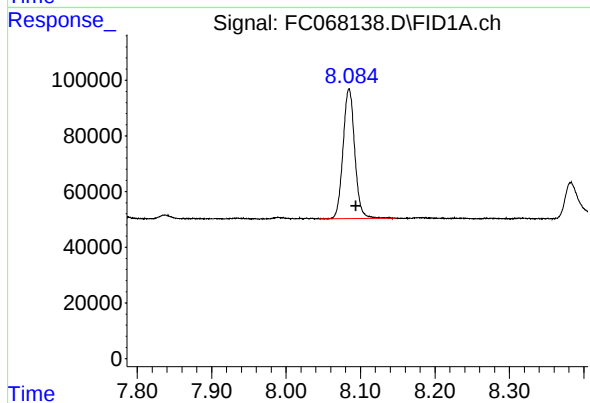
#2 n-Decane (C10)

R.T.: 4.289 min
Delta R.T.: -0.007 min
Response: 424692
Conc: 3.06 ug/ml



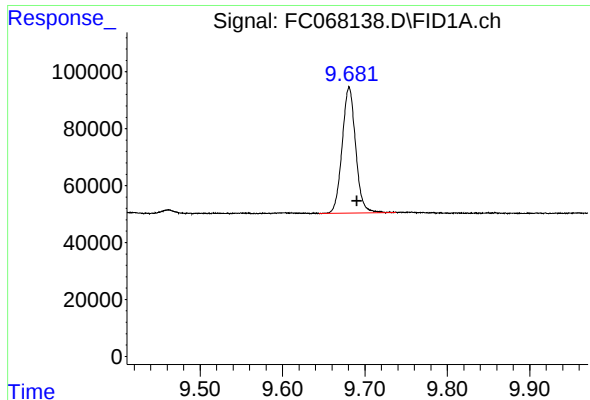
#4 n-Dodecane (C12)

R.T.: 6.297 min
Delta R.T.: -0.009 min
Response: 489420
Conc: 3.50 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.085 min
Delta R.T.: -0.009 min
Response: 509027
Conc: 3.73 ug/ml



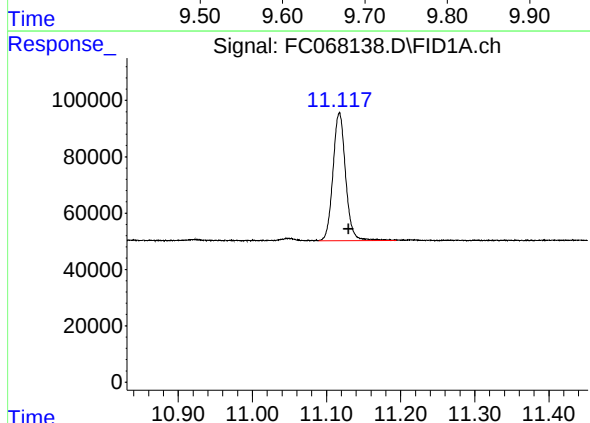
#7 n-Hexadecane (C16)

R.T.: 9.681 min
Delta R.T.: -0.010 min
Response: 502763
Conc: 3.62 ug/ml

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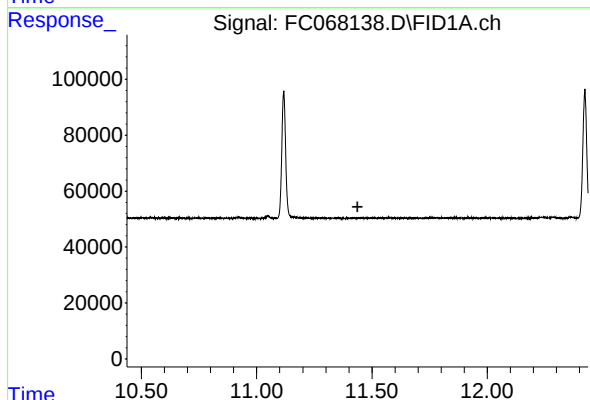
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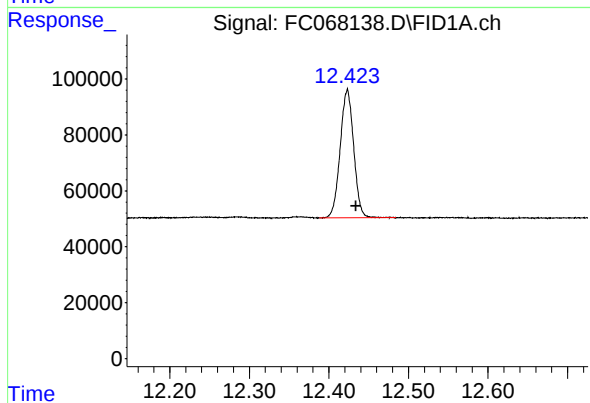
#8 n-Octadecane (C18)

R.T.: 11.117 min
Delta R.T.: -0.012 min
Response: 538703
Conc: 3.85 ug/ml m



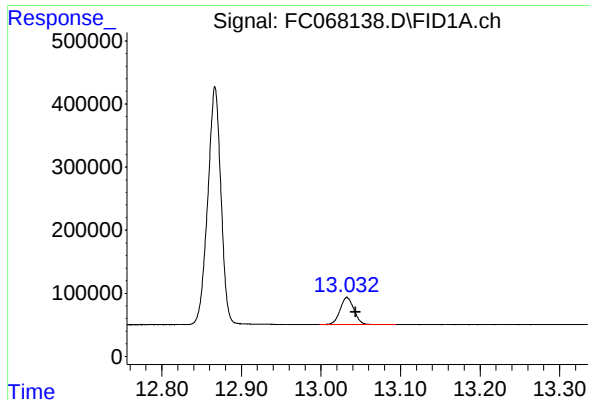
#9 ortho-Terphenyl (SURR)

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



#10 n-Eicosane (C20)

R.T.: 12.423 min
Delta R.T.: -0.011 min
Response: 541204
Conc: 4.04 ug/ml



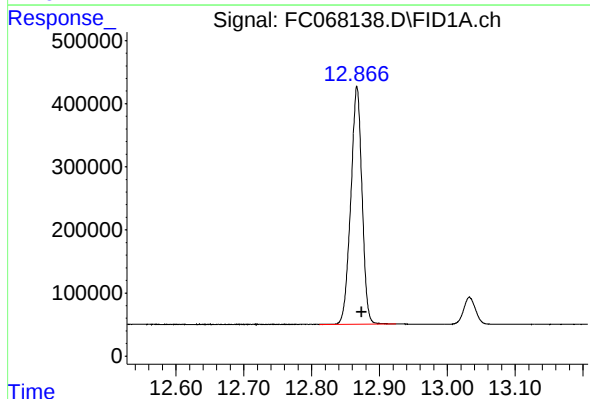
#11 n-Heneicosane (C21)

R.T.: 13.033 min
Delta R.T.: -0.011 min
Response: 516351
Conc: 3.93 ug/ml

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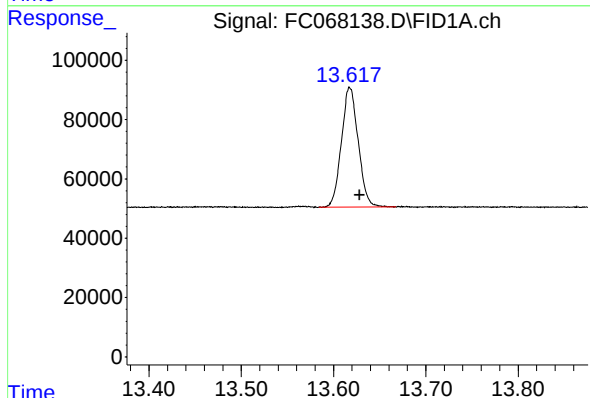
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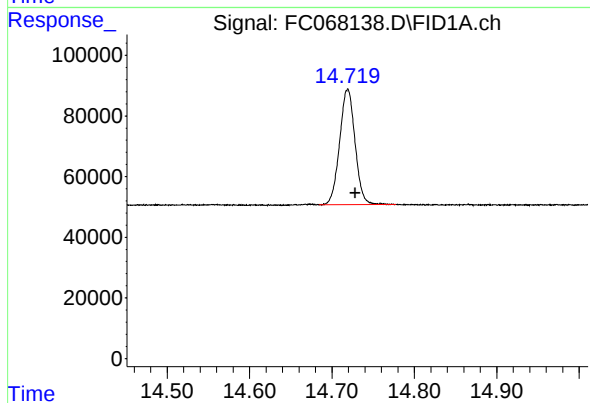
#12 1-chlorooctadecane (SURR)

R.T.: 12.867 min
Delta R.T.: -0.007 min
Response: 4330803
Conc: 37.66 ug/ml



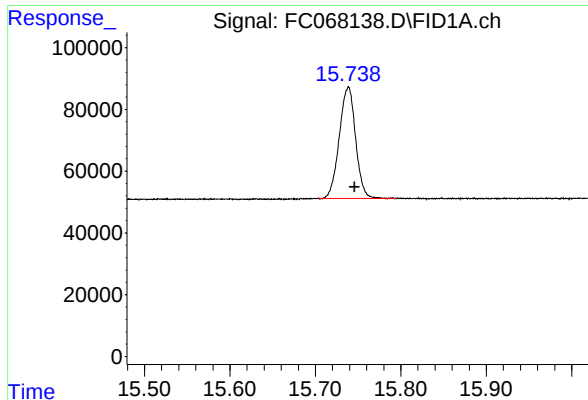
#13 n-Docosane (C22)

R.T.: 13.618 min
Delta R.T.: -0.011 min
Response: 509121
Conc: 3.93 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.719 min
Delta R.T.: -0.009 min
Response: 494253
Conc: 3.85 ug/ml



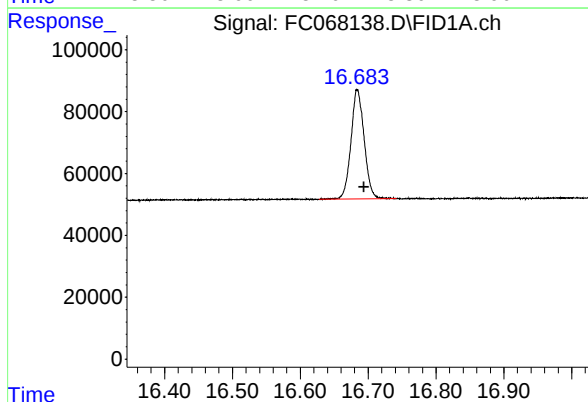
#15 n-Hexacosane (C26)

R.T.: 15.738 min
Delta R.T.: -0.008 min
Response: 480165
Conc: 3.82 ug/ml

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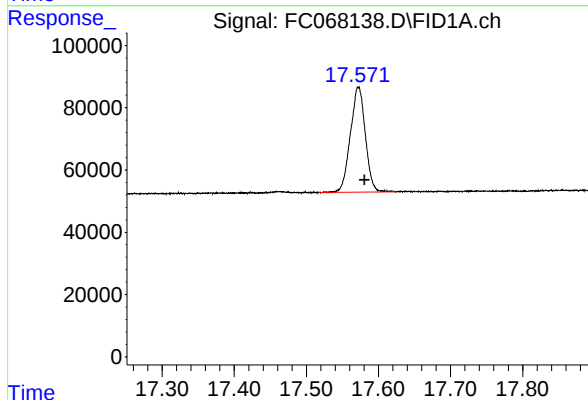
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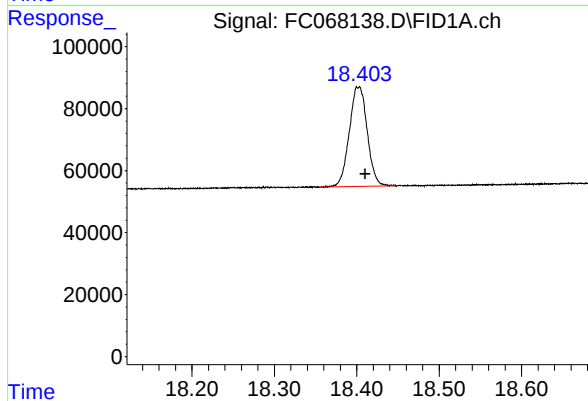
#16 n-Octacosane (C28)

R.T.: 16.684 min
Delta R.T.: -0.009 min
Response: 476253
Conc: 3.81 ug/ml



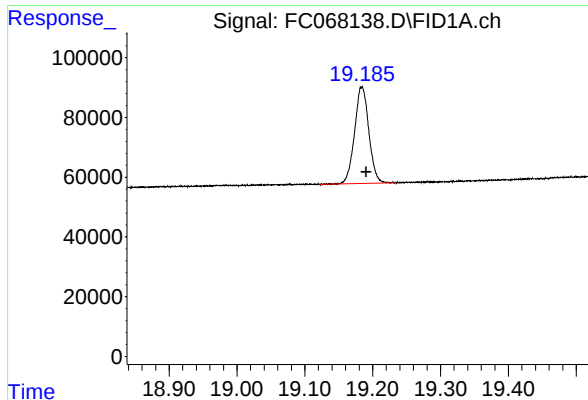
#17 n-Tricontane (C30)

R.T.: 17.572 min
Delta R.T.: -0.008 min
Response: 486909
Conc: 3.77 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.402 min
Delta R.T.: -0.008 min
Response: 484733
Conc: 3.88 ug/ml



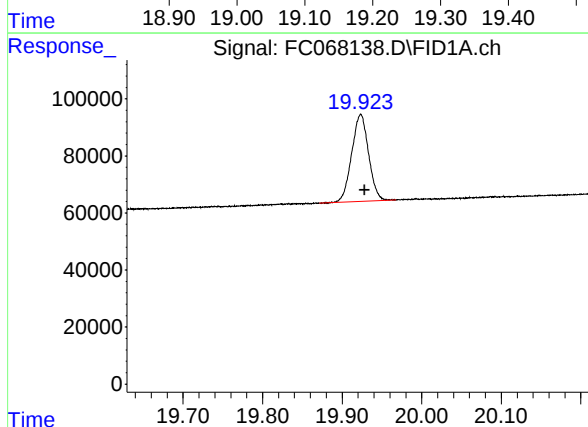
#19 n-Tetratriacontane (C34)

R.T.: 19.184 min
Delta R.T.: -0.007 min
Response: 471186
Conc: 4.34 ug/ml

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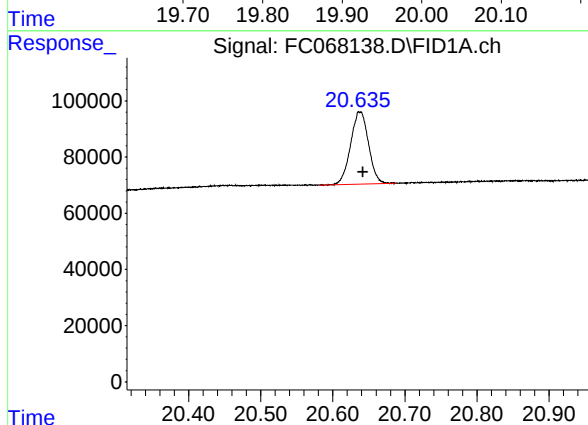
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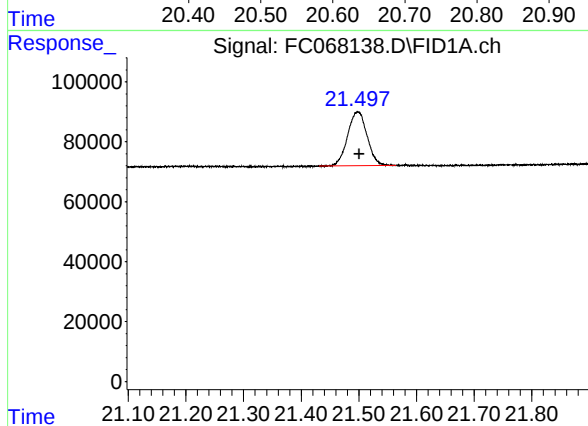
#20 n-Hexatriacontane (C36)

R.T.: 19.923 min
Delta R.T.: -0.005 min
Response: 450619
Conc: 4.87 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.638 min
Delta R.T.: -0.004 min
Response: 444155
Conc: 5.18 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.498 min
Delta R.T.: -0.003 min
Response: 420587
Conc: 5.20 ug/ml