

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082825AL\
 Data File : FC069768.D
 Signal(s) : FID1A.ch
 Acq On : 28 Aug 2025 13:45
 Operator : YP/AJ
 Sample : Q2893-08
 Misc : 5PPM WATER LOQ
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 LOQ-WATER-02-QT3-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/29/2025
 Supervised By :mohammad ahmed 08/30/2025

Integration File: sample.E
 Quant Time: Aug 29 01:40:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 082725.M
 Quant Title : GC Extractables
 QLast Update : Wed Aug 27 12:11:00 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...	13.098	4854196	50.731 ug/ml
Spiked Amount 50.000		Recovery =	101.46%
Target Compounds			
1) T n-Nonane (C9)	3.397	379194	3.025 ug/ml
2) T n-Decane (C10)	4.467	451346	3.542 ug/ml
4) T n-Dodecane (C12)	6.490	522732	4.080 ug/ml
6) T n-Tetradecane (C14)	8.288	564186	4.424 ug/mlm
7) T n-Hexadecane (C16)	9.891	543200	4.206 ug/mlm
8) T n-Octadecane (C18)	11.336	591929	4.721 ug/ml
10) T n-Eicosane (C20)	12.647	588087	5.067 ug/ml
11) T n-Heneicosane (C21)	13.261	537542	4.807 ug/ml
13) T n-Docosane (C22)	13.848	540315	4.951 ug/ml
14) T n-Tetracosane (C24)	14.952	517861	4.938 ug/mlm
15) T n-Hexacosane (C26)	15.975	485207	4.842 ug/mlm
16) T n-Octacosane (C28)	16.927	475629	4.940 ug/ml
17) T n-Tricontane (C30)	17.816	478718	4.978 ug/ml
18) T n-Dotriacontane (C32)	18.650	486895	5.227 ug/ml
19) T n-Tetratriacontane (C34)	19.435	472108	5.471 ug/ml
20) T n-Hexatriacontane (C36)	20.176	437657	5.737 ug/ml
21) T n-Octatriacontane (C38)	20.938	405943	5.772 ug/ml
22) T n-Tetracontane (C40)	21.899	355869	5.357 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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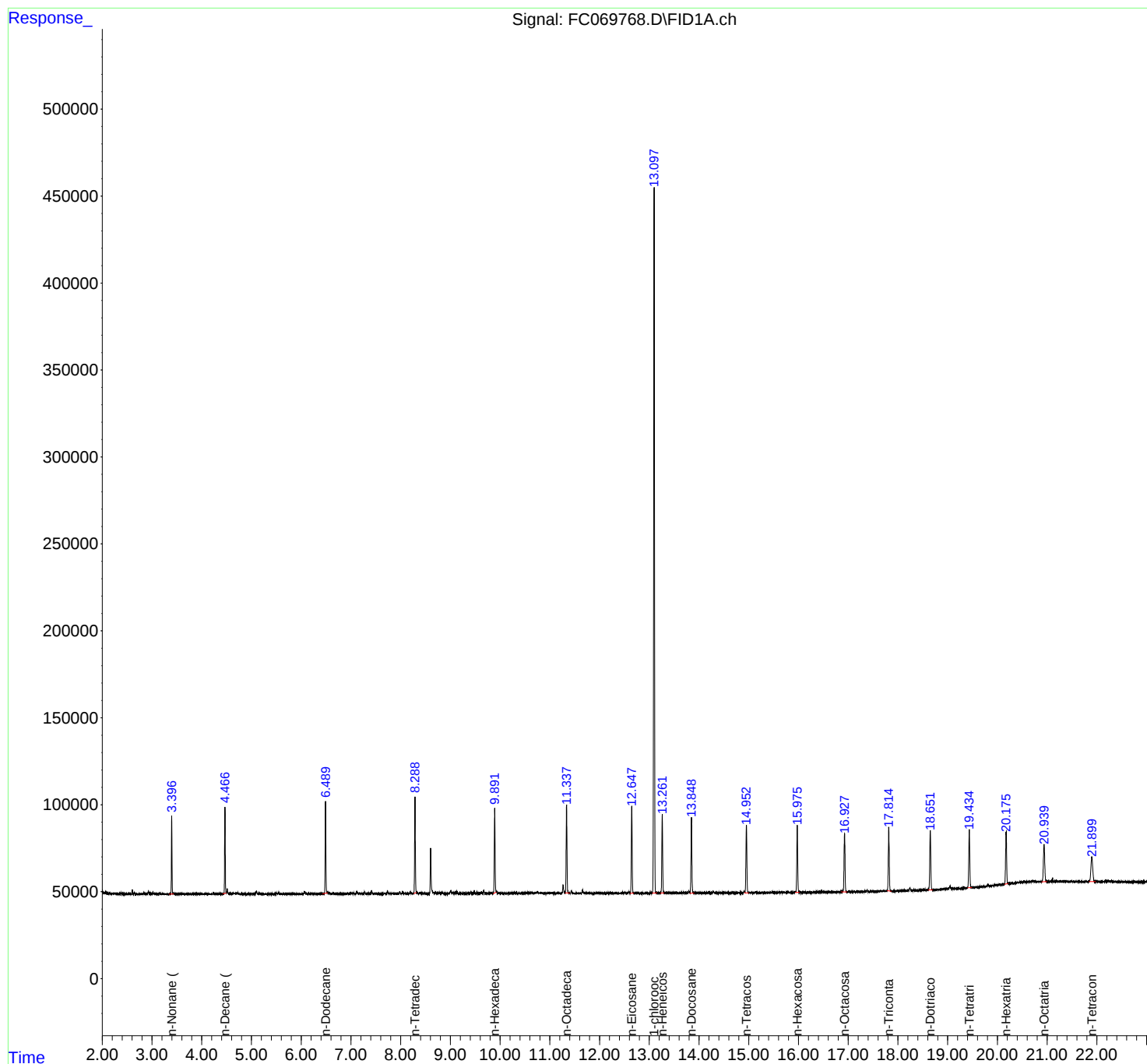
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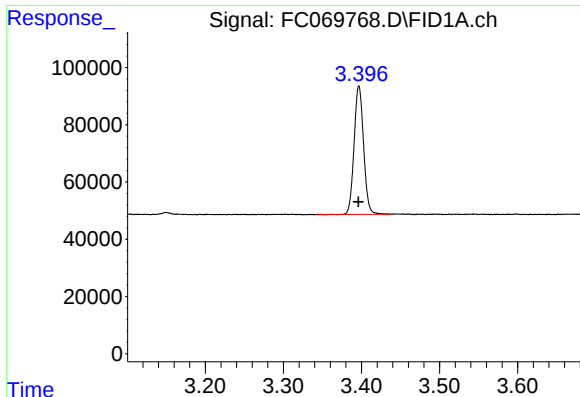
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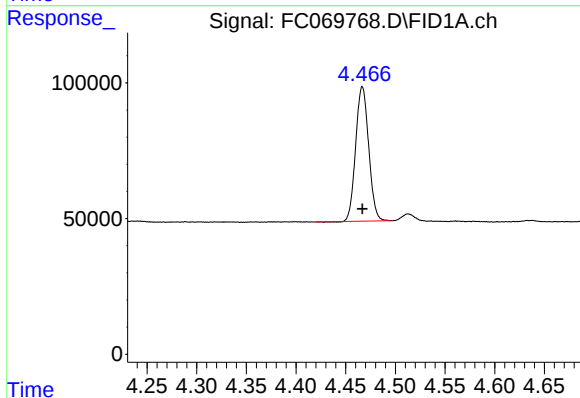
#1 n-Nonane (C9)

R.T.: 3.397 min
Delta R.T.: 0.000 min
Response: 379194
Conc: 3.02 ug/ml

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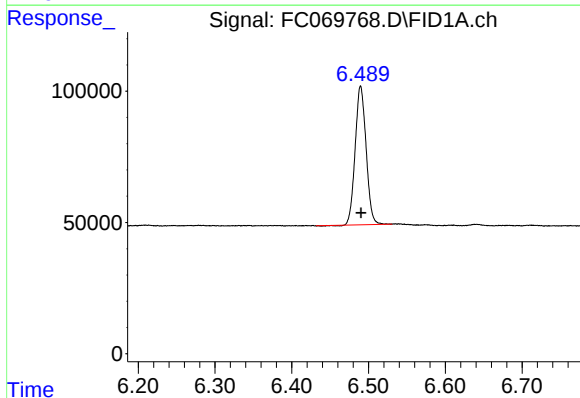
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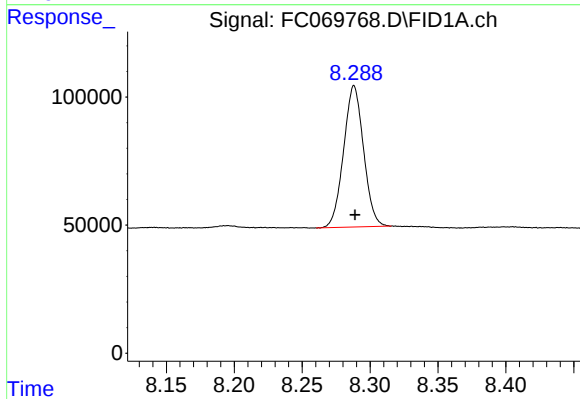
#2 n-Decane (C10)

R.T.: 4.467 min
Delta R.T.: 0.000 min
Response: 451346
Conc: 3.54 ug/ml



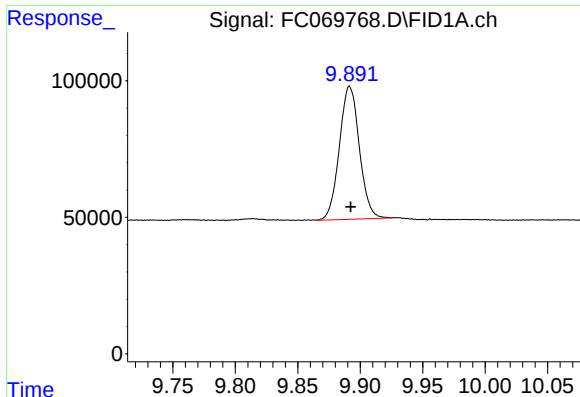
#4 n-Dodecane (C12)

R.T.: 6.490 min
Delta R.T.: 0.000 min
Response: 522732
Conc: 4.08 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.288 min
Delta R.T.: -0.001 min
Response: 564186
Conc: 4.42 ug/ml m



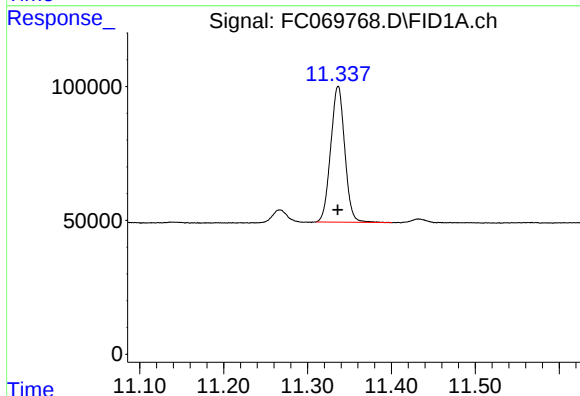
#7 n-Hexadecane (C16)

R.T.: 9.891 min
Delta R.T.: -0.001 min
Response: 543200
Conc: 4.21 ug/ml

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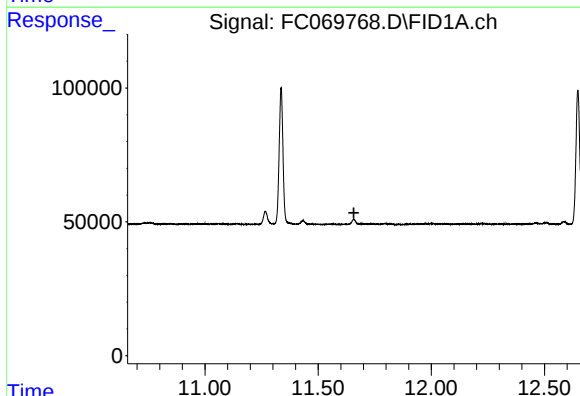
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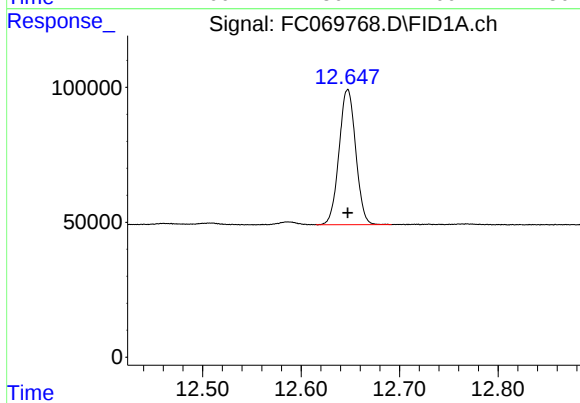
#8 n-Octadecane (C18)

R.T.: 11.336 min
Delta R.T.: 0.000 min
Response: 591929
Conc: 4.72 ug/ml



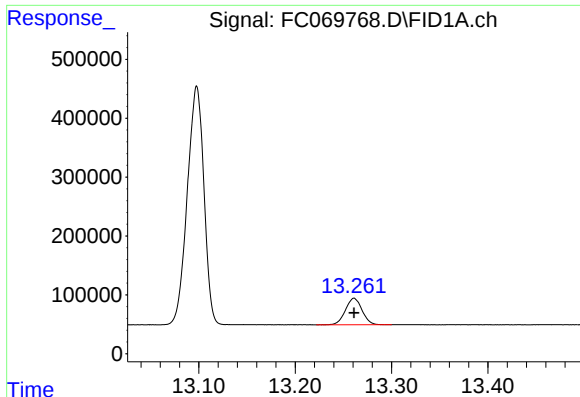
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.658 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.647 min
Delta R.T.: 0.000 min
Response: 588087
Conc: 5.07 ug/ml



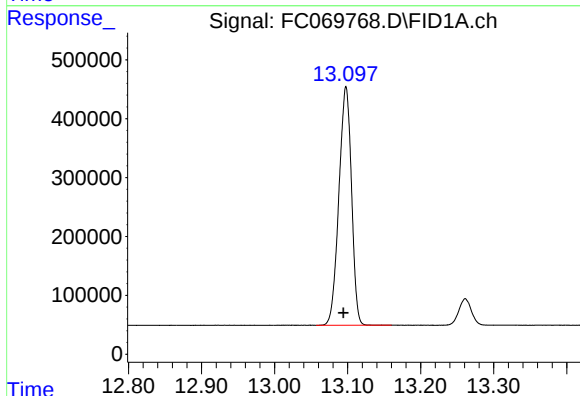
#11 n-Heneicosane (C21)

R.T.: 13.261 min
Delta R.T.: 0.000 min
Response: 537542
Conc: 4.81 ug/ml

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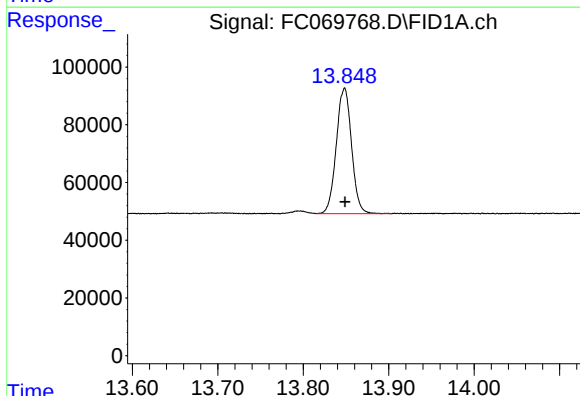
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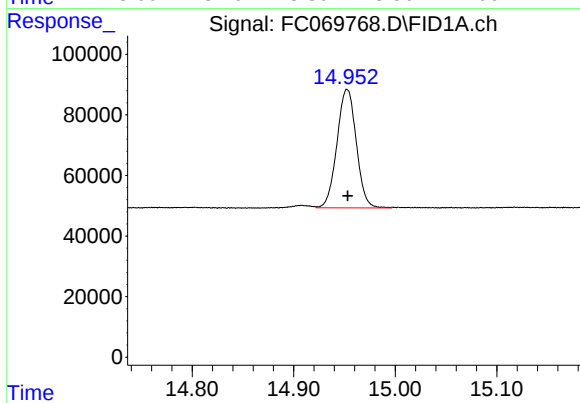
#12 1-chlorooctadecane (SURR)

R.T.: 13.098 min
Delta R.T.: 0.003 min
Response: 4854196
Conc: 50.73 ug/ml



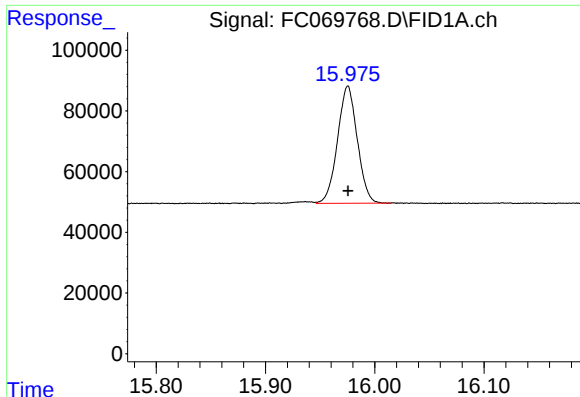
#13 n-Docosane (C22)

R.T.: 13.848 min
Delta R.T.: 0.000 min
Response: 540315
Conc: 4.95 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.952 min
Delta R.T.: -0.002 min
Response: 517861
Conc: 4.94 ug/ml m



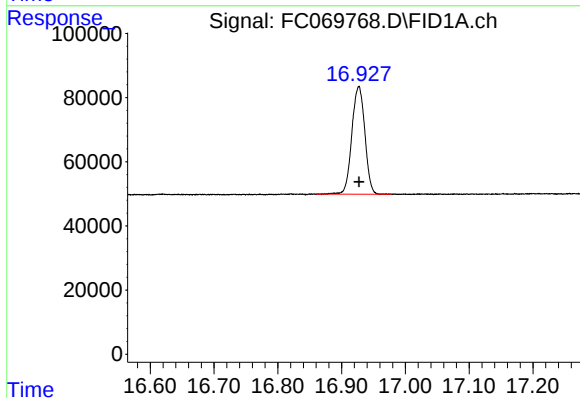
#15 n-Hexacosane (C26)

R.T.: 15.975 min
Delta R.T.: 0.000 min
Response: 485207
Conc: 4.84 ug/ml

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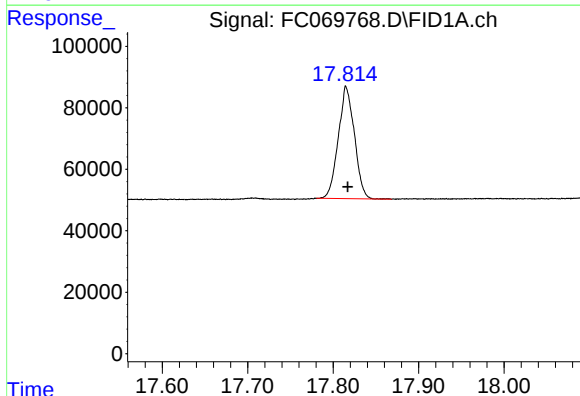
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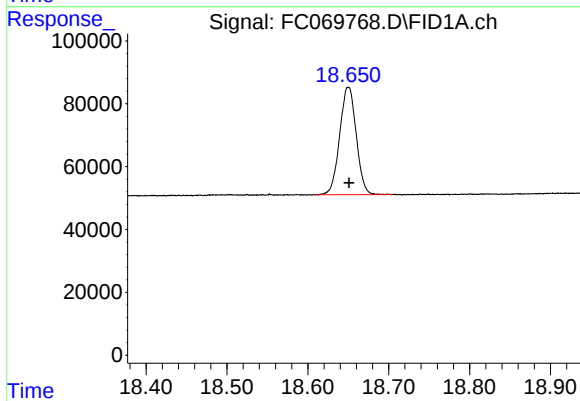
#16 n-Octacosane (C28)

R.T.: 16.927 min
Delta R.T.: 0.000 min
Response: 475629
Conc: 4.94 ug/ml



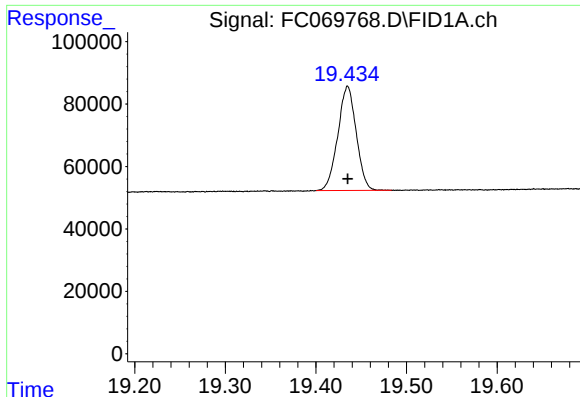
#17 n-Tricontane (C30)

R.T.: 17.816 min
Delta R.T.: -0.001 min
Response: 478718
Conc: 4.98 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.650 min
Delta R.T.: 0.000 min
Response: 486895
Conc: 5.23 ug/ml



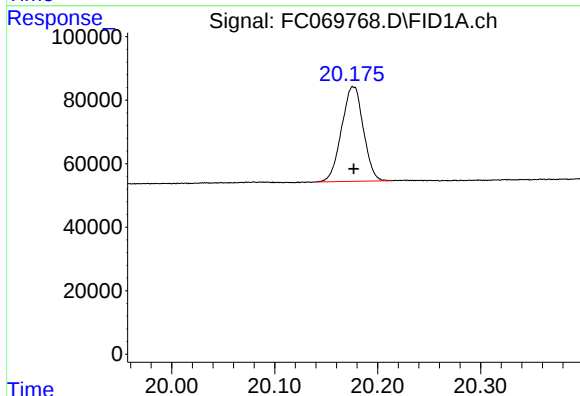
#19 n-Tetratriacontane (C34)

R.T.: 19.435 min
Delta R.T.: 0.000 min
Response: 472108
Conc: 5.47 ug/ml

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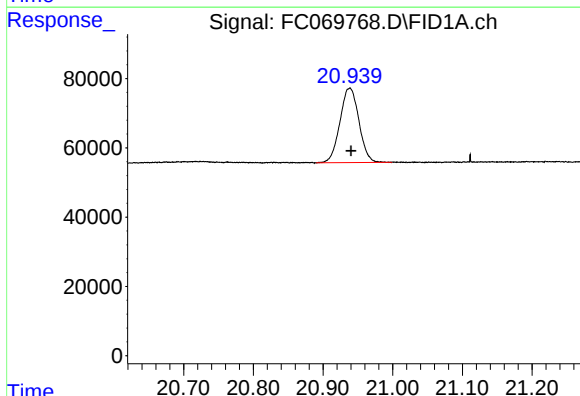
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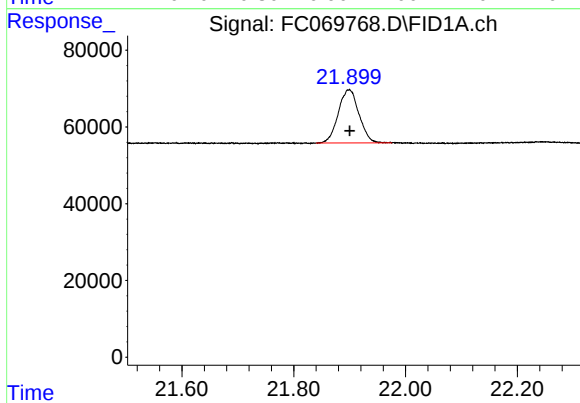
#20 n-Hexatriacontane (C36)

R.T.: 20.176 min
Delta R.T.: 0.000 min
Response: 437657
Conc: 5.74 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.938 min
Delta R.T.: -0.002 min
Response: 405943
Conc: 5.77 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.899 min
Delta R.T.: -0.002 min
Response: 355869
Conc: 5.36 ug/ml