

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC062425AL\
 Data File : FC069258.D
 Signal(s) : FID1A.ch
 Acq On : 24 Jun 2025 07:04
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/25/2025
 Supervised By :mohammad ahmed 06/26/2025

Integration File: autoint1.e
 Quant Time: Jun 25 00:37:55 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 14:24:27 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			
9) S ortho-Terphenyl (SURR)	11.678	3483760	20.165 ug/ml
Spiked Amount 50.000		Recovery =	40.33%
12) S 1-chlorooctadecane (S...	13.114	2620968	20.062 ug/ml
Spiked Amount 50.000		Recovery =	40.12%
Target Compounds			
1) T n-Nonane (C9)	3.408	2809235	19.753 ug/ml
2) T n-Decane (C10)	4.480	2910199	19.879 ug/ml
3) T A~Naphthalene (C11.7)	6.075	3203390	19.910 ug/ml
4) T n-Dodecane (C12)	6.506	3003899	19.838 ug/ml
5) T A~2-methylnaphthalene...	7.135	3225614	20.383 ug/ml
6) T n-Tetradecane (C14)	8.306	3034137	19.574 ug/ml
7) T n-Hexadecane (C16)	9.910	3073344	18.807 ug/ml
8) T n-Octadecane (C18)	11.356	3013622	18.458 ug/ml
10) T n-Eicosane (C20)	12.668	2871139	18.810 ug/ml
11) T n-Heneicosane (C21)	13.281	2798845	18.989 ug/ml
13) T n-Docosane (C22)	13.868	2737905	19.029 ug/ml
14) T n-Tetracosane (C24)	14.973	2647992	19.198 ug/ml
15) T n-Hexacosane (C26)	15.995	2541708	19.443 ug/ml
16) T n-Octacosane (C28)	16.947	2490475	20.194 ug/ml
17) T n-Tricontane (C30)	17.835	2551284	21.460 ug/ml
18) T n-Dotriacontane (C32)	18.670	2499217	22.858 ug/ml
19) T n-Tetratriacontane (C34)	19.455	2201039	22.793 ug/ml
20) T n-Hexatriacontane (C36)	20.198	1767474	21.447 ug/ml
21) T n-Octatriacontane (C38)	20.965	1276817	17.086 ug/ml
22) T n-Tetracontane (C40)	21.929	1063362	15.016 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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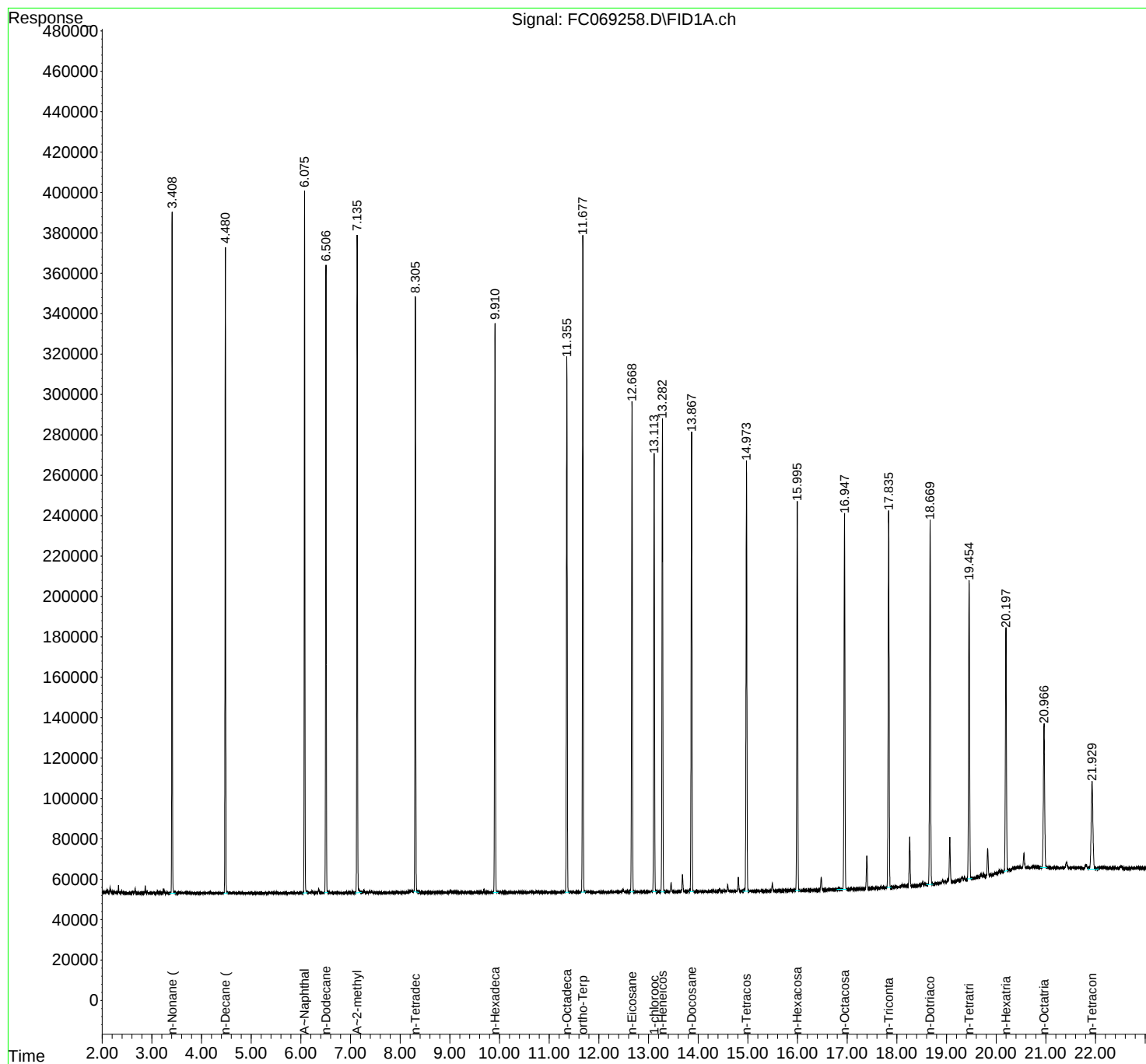
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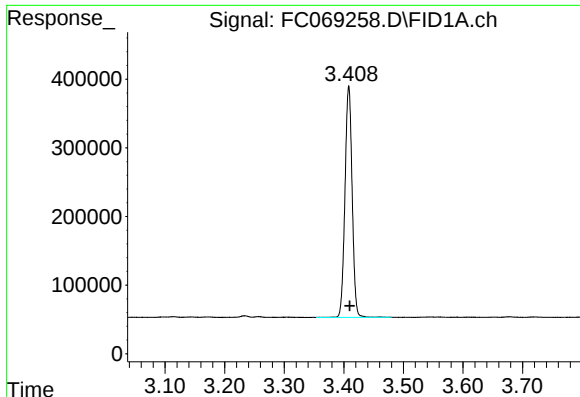
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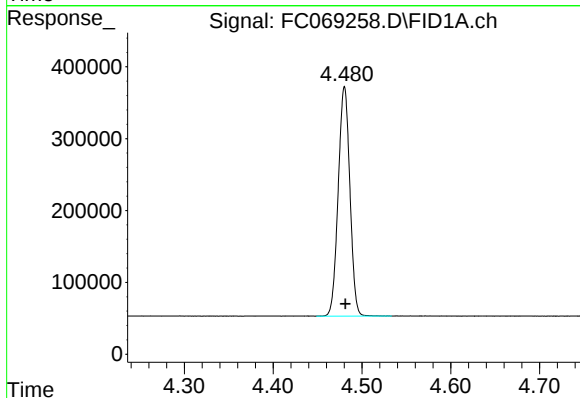
#1 n-Nonane (C9)

R.T.: 3.408 min
Delta R.T.: -0.002 min
Response: 2809235
Conc: 19.75 ug/ml

Instrument :
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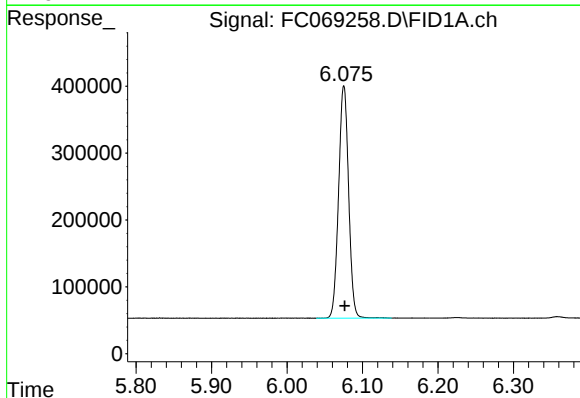
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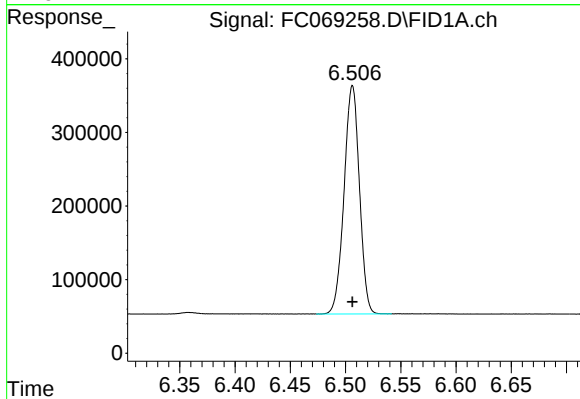
#2 n-Decane (C10)

R.T.: 4.480 min
Delta R.T.: -0.001 min
Response: 2910199
Conc: 19.88 ug/ml



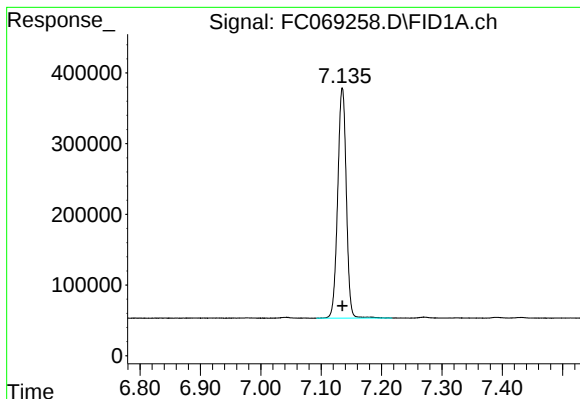
#3 A~Naphthalene (C11.7)

R.T.: 6.075 min
Delta R.T.: -0.001 min
Response: 3203390
Conc: 19.91 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.506 min
Delta R.T.: 0.000 min
Response: 3003899
Conc: 19.84 ug/ml



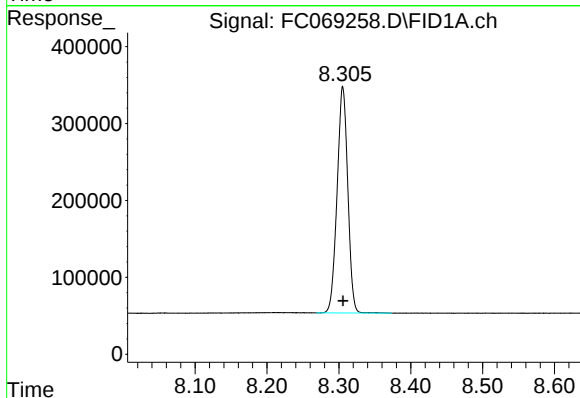
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.135 min
Delta R.T.: 0.000 min
Response: 3225614
Conc: 20.38 ug/ml

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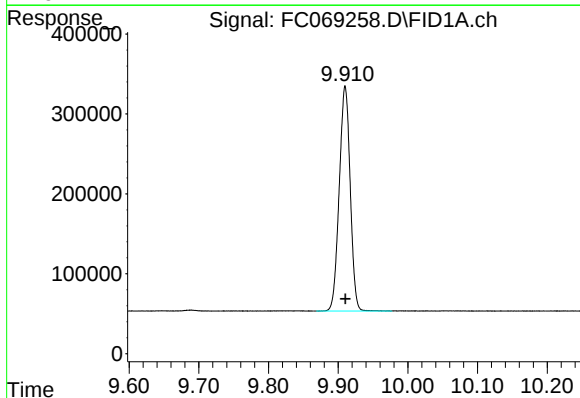
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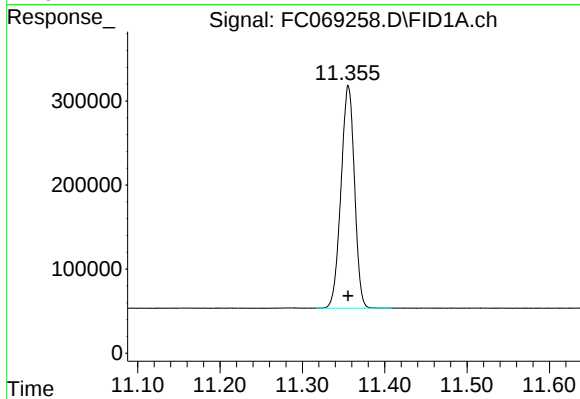
#6 n-Tetradecane (C14)

R.T.: 8.306 min
Delta R.T.: 0.000 min
Response: 3034137
Conc: 19.57 ug/ml



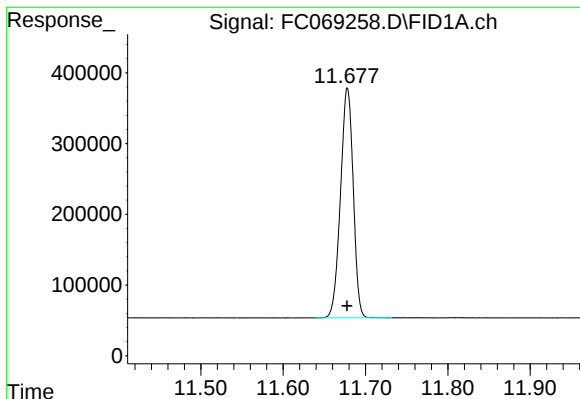
#7 n-Hexadecane (C16)

R.T.: 9.910 min
Delta R.T.: 0.000 min
Response: 3073344
Conc: 18.81 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.356 min
Delta R.T.: 0.000 min
Response: 3013622
Conc: 18.46 ug/ml



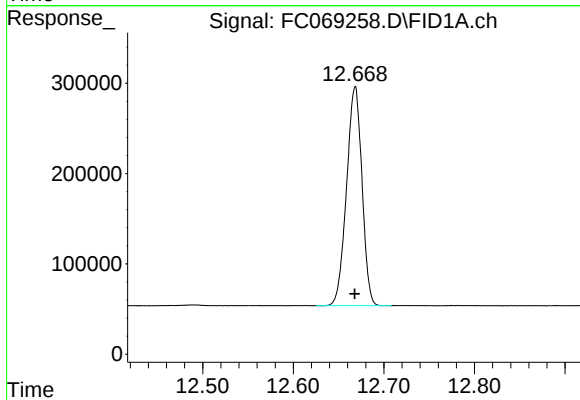
#9 ortho-Terphenyl (SURR)

R.T.: 11.678 min
Delta R.T.: 0.000 min
Response: 3483760
Conc: 20.17 ug/ml

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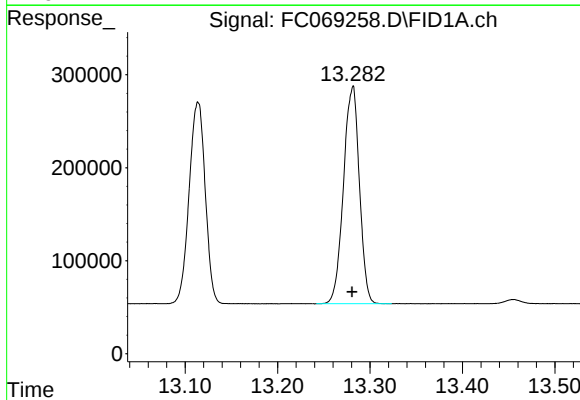
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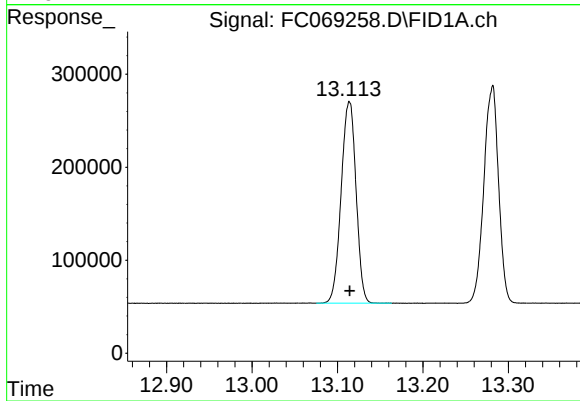
#10 n-Eicosane (C20)

R.T.: 12.668 min
Delta R.T.: 0.000 min
Response: 2871139
Conc: 18.81 ug/ml



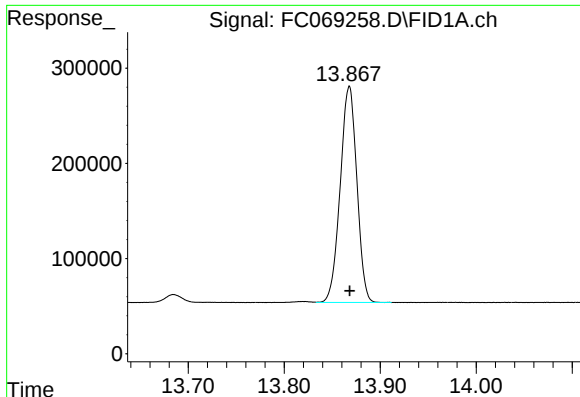
#11 n-Heneicosane (C21)

R.T.: 13.281 min
Delta R.T.: 0.000 min
Response: 2798845
Conc: 18.99 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.114 min
Delta R.T.: 0.000 min
Response: 2620968
Conc: 20.06 ug/ml



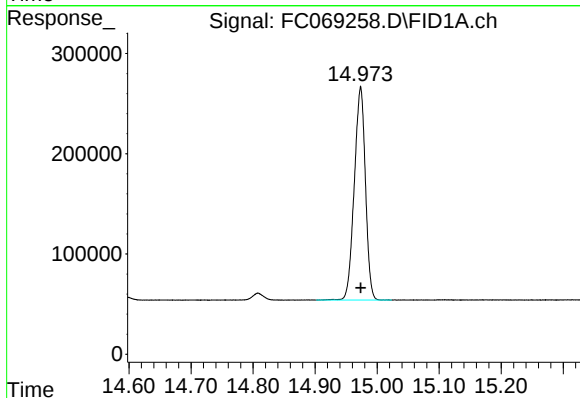
#13 n-Docosane (C22)

R.T.: 13.868 min
Delta R.T.: 0.000 min
Response: 2737905
Conc: 19.03 ug/ml

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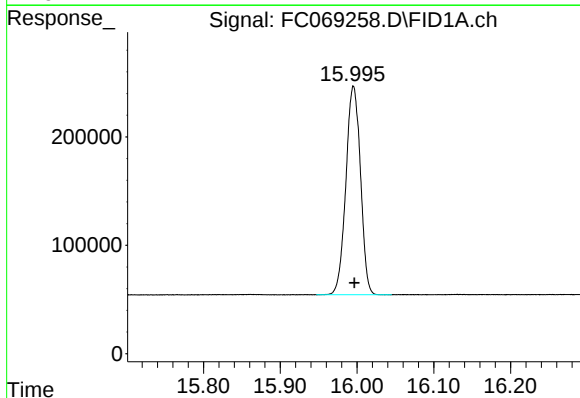
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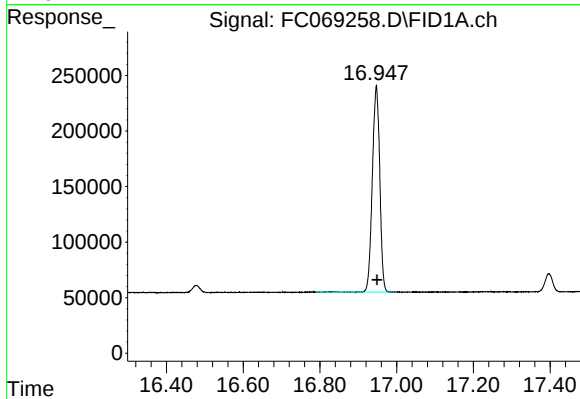
#14 n-Tetracosane (C24)

R.T.: 14.973 min
Delta R.T.: 0.000 min
Response: 2647992
Conc: 19.20 ug/ml



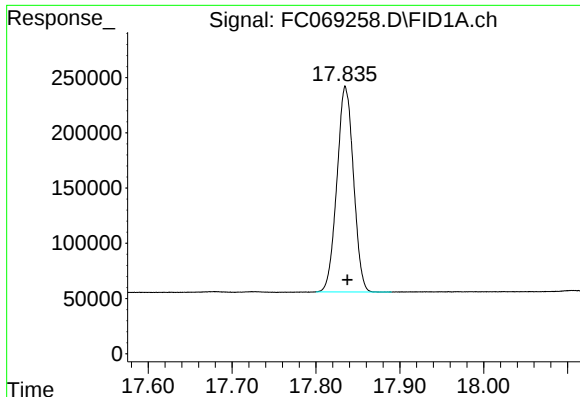
#15 n-Hexacosane (C26)

R.T.: 15.995 min
Delta R.T.: -0.001 min
Response: 2541708
Conc: 19.44 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.947 min
Delta R.T.: -0.001 min
Response: 2490475
Conc: 20.19 ug/ml



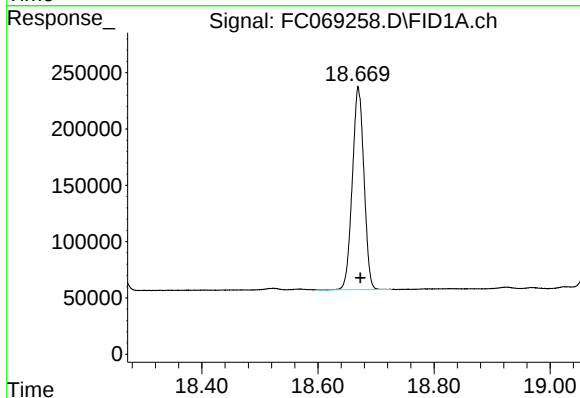
#17 n-Tricontane (C30)

R.T.: 17.835 min
Delta R.T.: -0.002 min
Response: 2551284
Conc: 21.46 ug/ml

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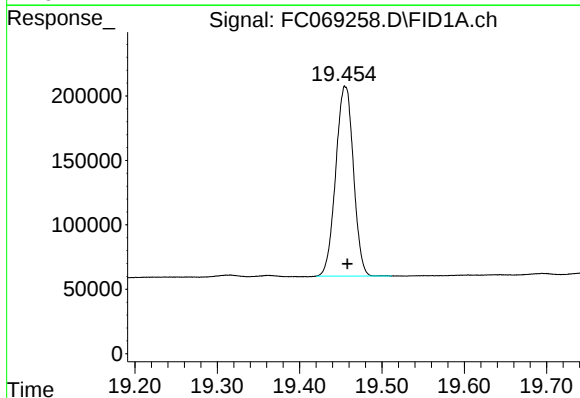
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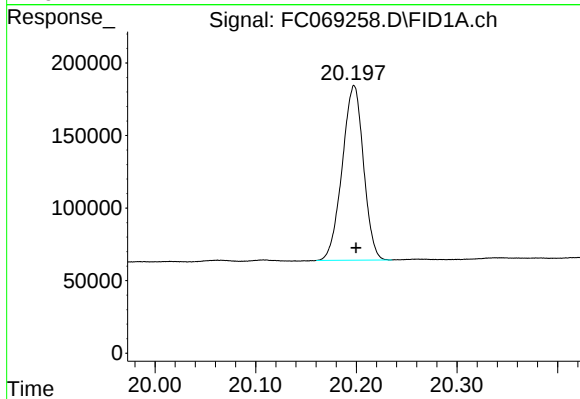
#18 n-Dotriacontane (C32)

R.T.: 18.670 min
Delta R.T.: -0.003 min
Response: 2499217
Conc: 22.86 ug/ml



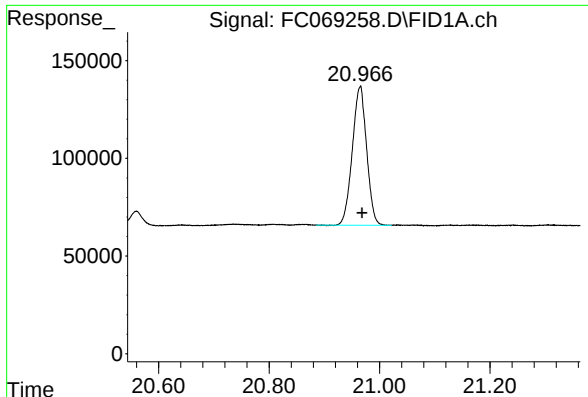
#19 n-Tetratriacontane (C34)

R.T.: 19.455 min
Delta R.T.: -0.003 min
Response: 2201039
Conc: 22.79 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.198 min
Delta R.T.: -0.002 min
Response: 1767474
Conc: 21.45 ug/ml



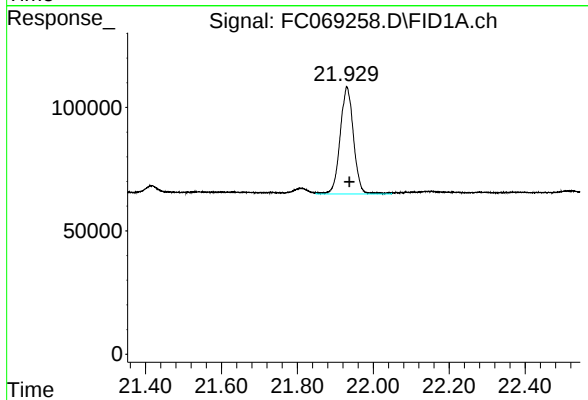
#21 n-Octatriacontane (C38)

R.T.: 20.965 min
Delta R.T.: -0.004 min
Response: 1276817
Conc: 17.09 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.929 min
Delta R.T.: -0.008 min
Response: 1063362
Conc: 15.02 ug/ml m