

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100225AL\
 Data File : FC069899.D
 Signal(s) : FID1A.ch
 Acq On : 01 Oct 2025 15:40
 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 10/02/2025
 Supervised By :mohammad ahmed 10/04/2025

Integration File: autoint1.e
 Quant Time: Oct 01 16:50:58 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 092325.M
 Quant Title : GC Extractables
 Qlast Update : Tue Sep 23 14:56:40 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)	11.644	3610652	19.277 ug/ml
Spiked Amount 50.000		Recovery =	38.55%
12) S 1-chlorooctadecane (S...	13.079	2824509	17.886 ug/ml
Spiked Amount 50.000		Recovery =	35.77%
Target Compounds			
1) T n-Nonane (C9)	3.384	2595882	20.250 ug/ml
2) T n-Decane (C10)	4.455	2779683	20.919 ug/ml
3) T A~Naphthalene (C11.7)	6.048	3123762	21.043 ug/ml
4) T n-Dodecane (C12)	6.478	2975660	21.331 ug/ml
5) T A~2-methylnaphthalene...	7.107	3119548	21.129 ug/ml
6) T n-Tetradecane (C14)	8.275	3134073	21.131 ug/ml
7) T n-Hexadecane (C16)	9.879	3368054	20.409 ug/ml
8) T n-Octadecane (C18)	11.322	3449499	19.355 ug/ml
10) T n-Eicosane (C20)	12.633	3300436	18.324 ug/ml
11) T n-Heneicosane (C21)	13.245	3217801	17.846 ug/ml
13) T n-Docosane (C22)	13.832	3175804	17.481 ug/ml
14) T n-Tetracosane (C24)	14.935	3120338	16.958 ug/ml
15) T n-Hexacosane (C26)	15.957	2972882	16.374 ug/ml
16) T n-Octacosane (C28)	16.908	2899629	16.426 ug/ml
17) T n-Tricontane (C30)	17.797	3041929	17.379 ug/ml
18) T n-Dotriacontane (C32)	18.629	2940228	18.174 ug/mlm
19) T n-Tetratriacontane (C34)	19.414	2553648	18.273 ug/ml
20) T n-Hexatriacontane (C36)	20.153	1867233	16.539 ug/ml
21) T n-Octatriacontane (C38)	20.910	1518712	15.743 ug/mlm
22) T n-Tetracontane (C40)	21.861	1273032	14.781 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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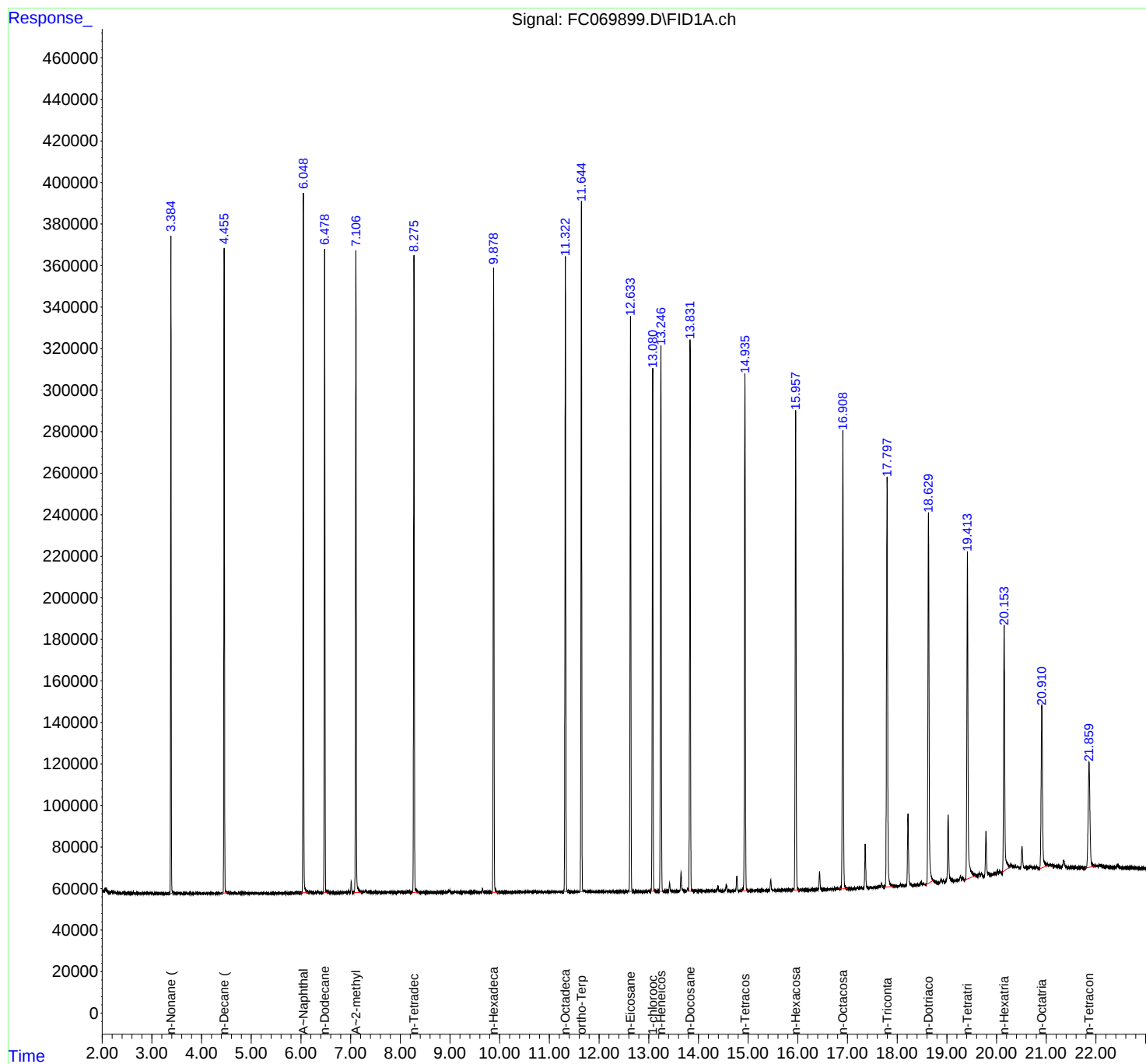
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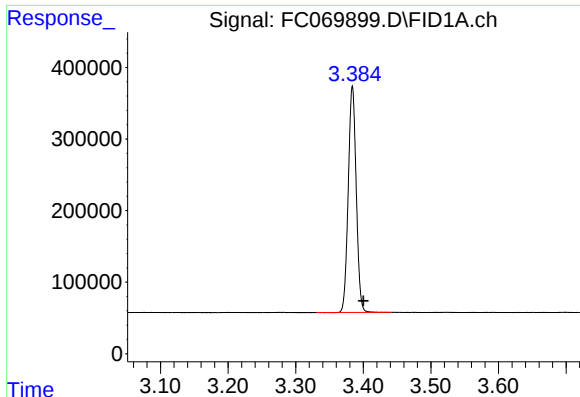
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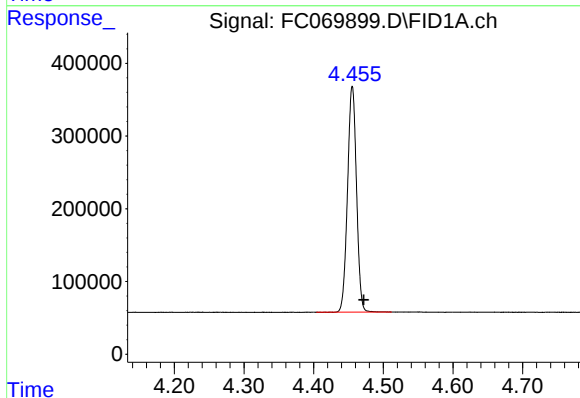
#1 n-Nonane (C9)

R.T.: 3.384 min
Delta R.T.: -0.016 min
Response: 2595882
Conc: 20.25 ug/ml

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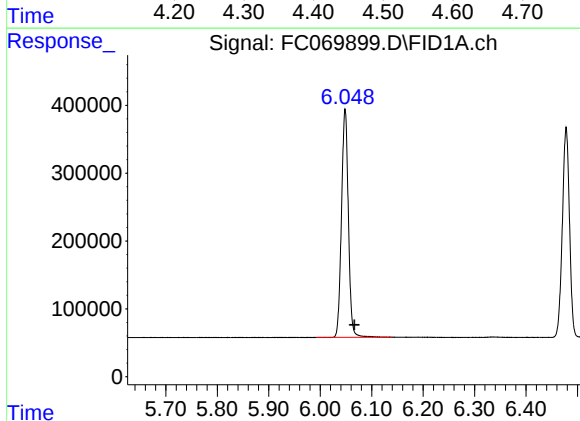
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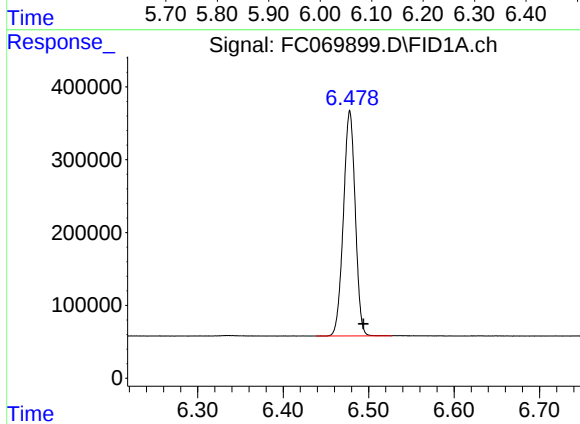
#2 n-Decane (C10)

R.T.: 4.455 min
Delta R.T.: -0.016 min
Response: 2779683
Conc: 20.92 ug/ml



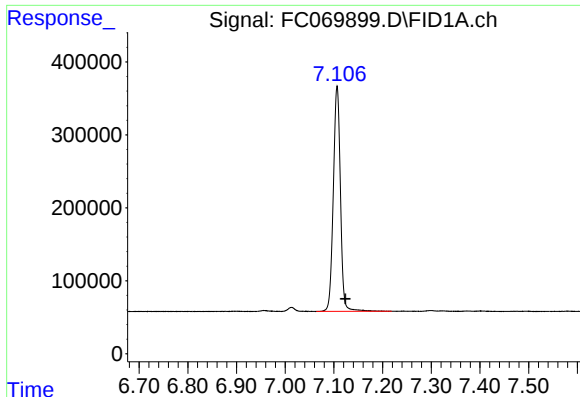
#3 A~Naphthalene (C11.7)

R.T.: 6.048 min
Delta R.T.: -0.018 min
Response: 3123762
Conc: 21.04 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.478 min
Delta R.T.: -0.016 min
Response: 2975660
Conc: 21.33 ug/ml



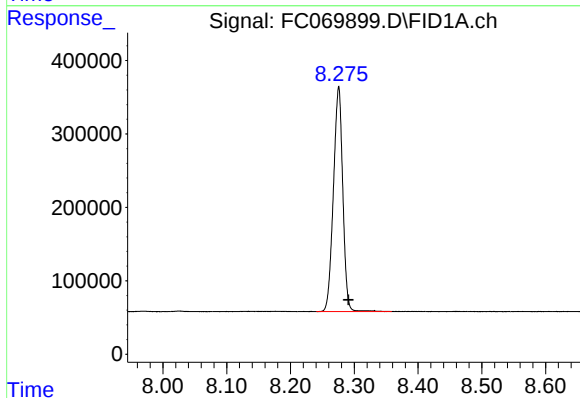
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.107 min
Delta R.T.: -0.017 min
Response: 3119548
Conc: 21.13 ug/ml

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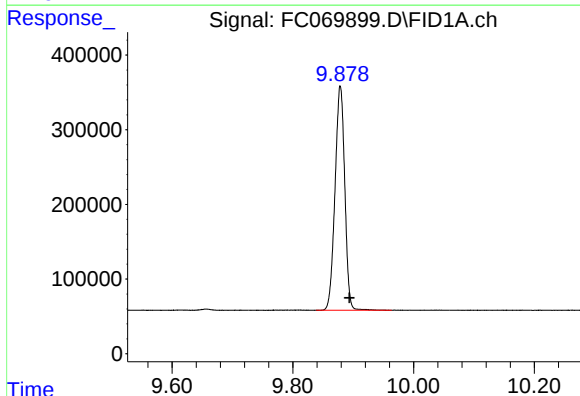
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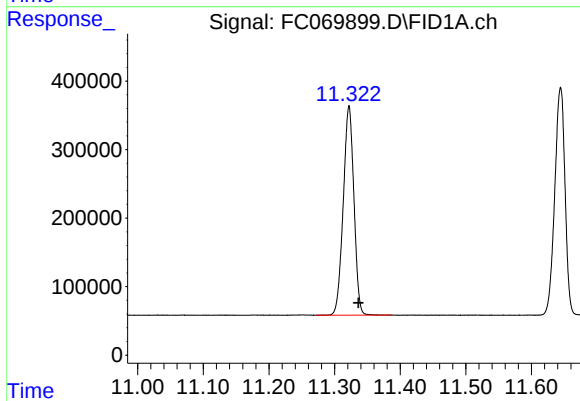
#6 n-Tetradecane (C14)

R.T.: 8.275 min
Delta R.T.: -0.015 min
Response: 3134073
Conc: 21.13 ug/ml



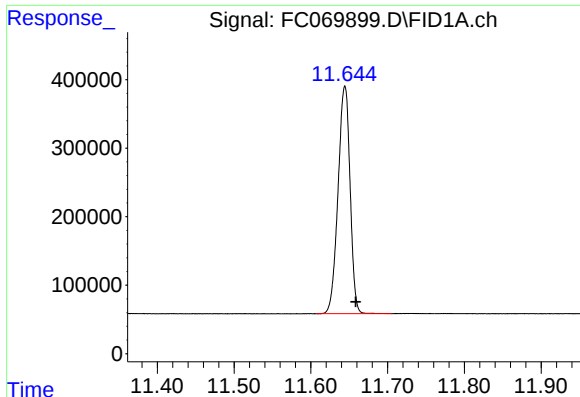
#7 n-Hexadecane (C16)

R.T.: 9.879 min
Delta R.T.: -0.015 min
Response: 3368054
Conc: 20.41 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.322 min
Delta R.T.: -0.015 min
Response: 3449499
Conc: 19.36 ug/ml



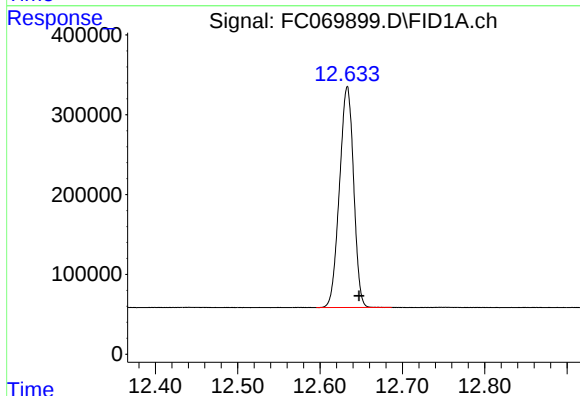
#9 ortho-Terphenyl (SURR)

R.T.: 11.644 min
Delta R.T.: -0.014 min
Response: 3610652
Conc: 19.28 ug/ml

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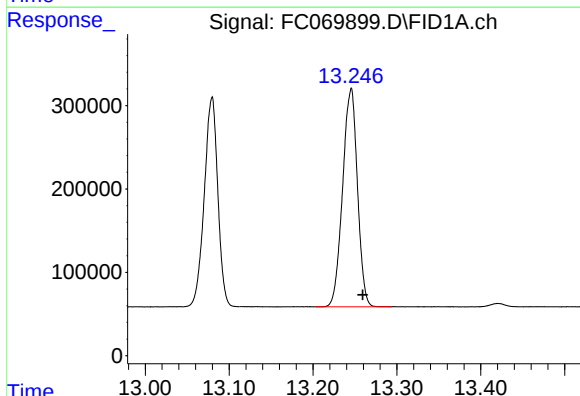
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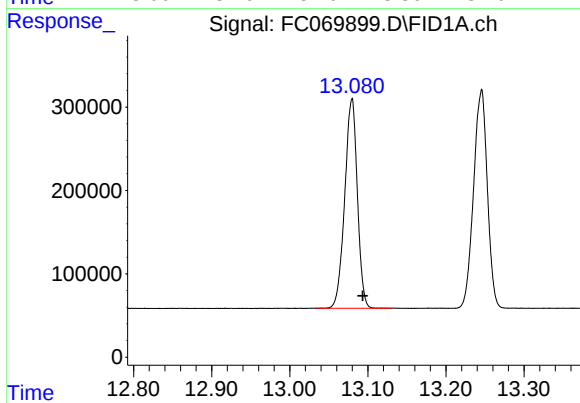
#10 n-Eicosane (C20)

R.T.: 12.633 min
Delta R.T.: -0.014 min
Response: 3300436
Conc: 18.32 ug/ml



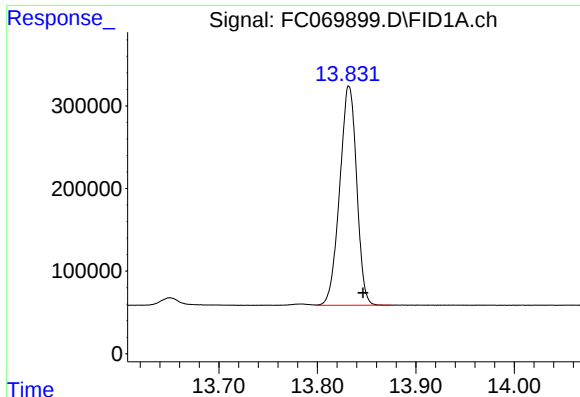
#11 n-Heneicosane (C21)

R.T.: 13.245 min
Delta R.T.: -0.014 min
Response: 3217801
Conc: 17.85 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.079 min
Delta R.T.: -0.014 min
Response: 2824509
Conc: 17.89 ug/ml



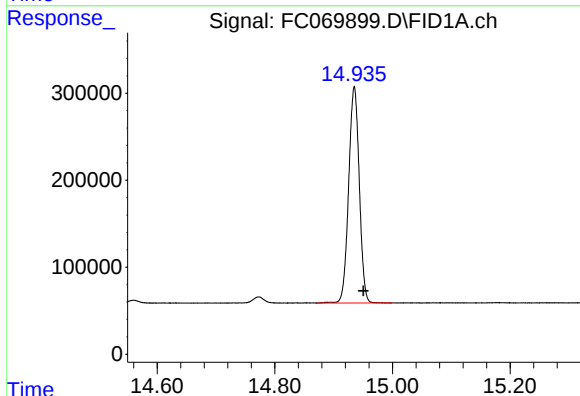
#13 n-Docosane (C22)

R.T.: 13.832 min
Delta R.T.: -0.014 min
Response: 3175804
Conc: 17.48 ug/ml

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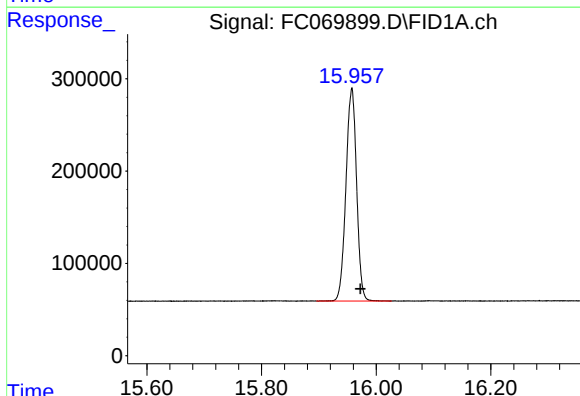
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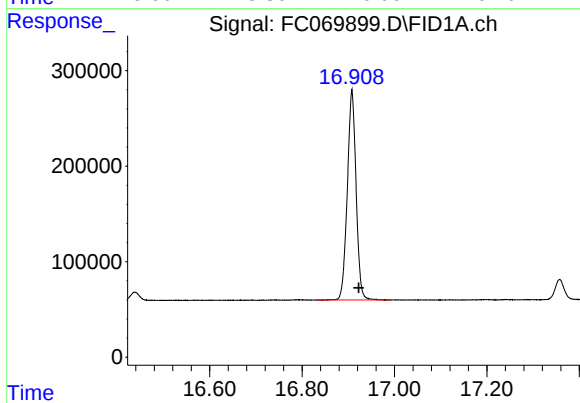
#14 n-Tetracosane (C24)

R.T.: 14.935 min
Delta R.T.: -0.015 min
Response: 3120338
Conc: 16.96 ug/ml



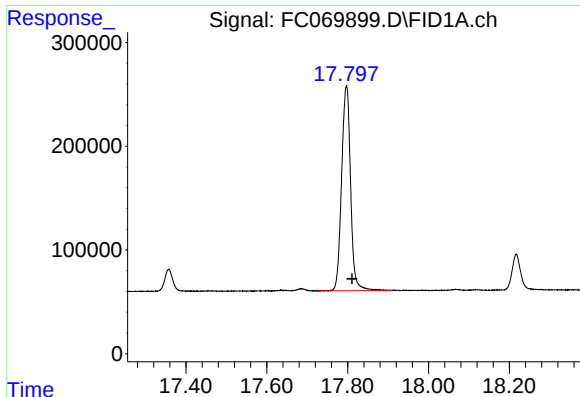
#15 n-Hexacosane (C26)

R.T.: 15.957 min
Delta R.T.: -0.015 min
Response: 2972882
Conc: 16.37 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.908 min
Delta R.T.: -0.015 min
Response: 2899629
Conc: 16.43 ug/ml



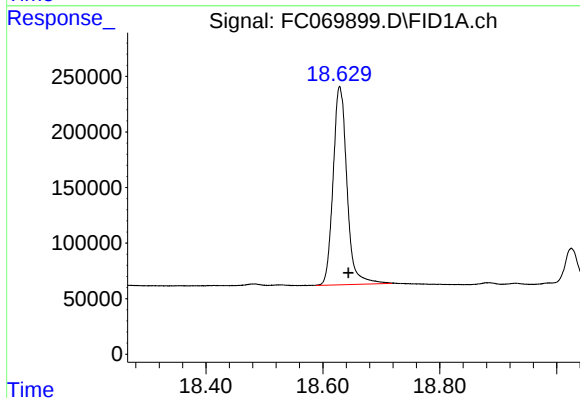
#17 n-Tricontane (C30)

R.T.: 17.797 min
Delta R.T.: -0.014 min
Response: 3041929
Conc: 17.38 ug/ml

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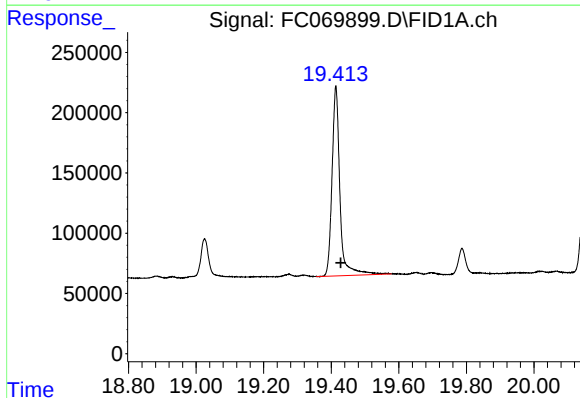
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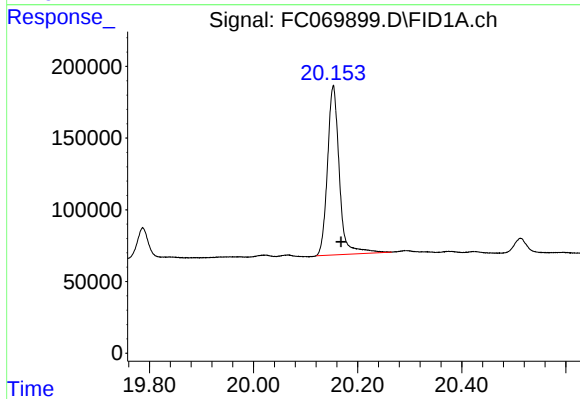
#18 n-Dotriacontane (C32)

R.T.: 18.629 min
Delta R.T.: -0.015 min
Response: 2940228
Conc: 18.17 ug/ml m



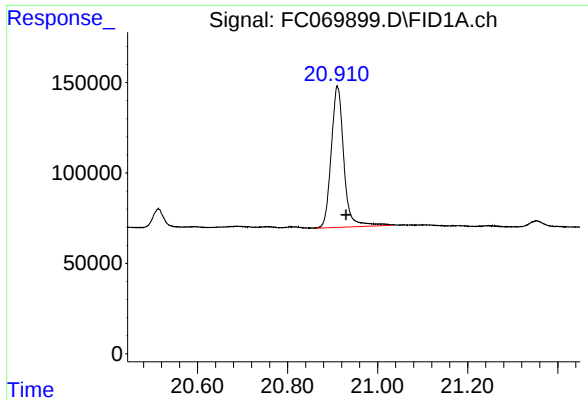
#19 n-Tetratriacontane (C34)

R.T.: 19.414 min
Delta R.T.: -0.014 min
Response: 2553648
Conc: 18.27 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.153 min
Delta R.T.: -0.015 min
Response: 1867233
Conc: 16.54 ug/ml



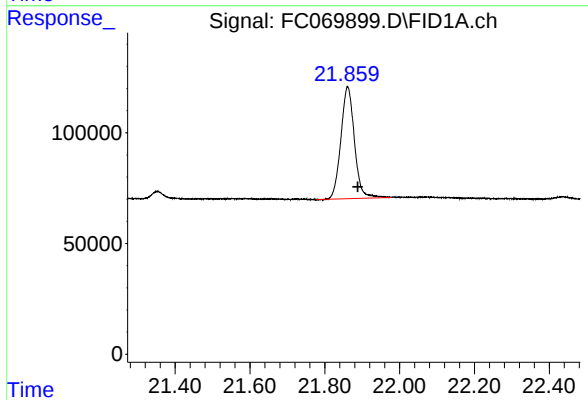
#21 n-Octatriacontane (C38)

R.T.: 20.910 min
Delta R.T.: -0.020 min
Response: 1518712
Conc: 15.74 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.861 min
Delta R.T.: -0.027 min
Response: 1273032
Conc: 14.78 ug/ml