

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC062425AL\
 Data File : FC069266.D
 Signal(s) : FID1A.ch
 Acq On : 24 Jun 2025 13:03
 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 00:39:42 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)	11.677	3526024	20.410 ug/ml
Spiked Amount 50.000		Recovery =	40.82%
12) S 1-chlorooctadecane (S...	13.113	2671273	20.447 ug/ml
Spiked Amount 50.000		Recovery =	40.89%
Target Compounds			
1) T n-Nonane (C9)	3.409	2833429	19.923 ug/ml
2) T n-Decane (C10)	4.481	2952985	20.171 ug/ml
3) T A~Naphthalene (C11.7)	6.075	3250567	20.203 ug/ml
4) T n-Dodecane (C12)	6.506	3092529	20.423 ug/ml
5) T A~2-methylnaphthalene...	7.135	3288275	20.779 ug/ml
6) T n-Tetradecane (C14)	8.305	3167859	20.437 ug/ml
7) T n-Hexadecane (C16)	9.910	3203100	19.601 ug/ml
8) T n-Octadecane (C18)	11.355	3114971	19.079 ug/ml
10) T n-Eicosane (C20)	12.667	2946038	19.301 ug/ml
11) T n-Heneicosane (C21)	13.279	2859044	19.397 ug/ml
13) T n-Docosane (C22)	13.867	2790739	19.396 ug/ml
14) T n-Tetracosane (C24)	14.971	2684471	19.462 ug/ml
15) T n-Hexacosane (C26)	15.995	2571352	19.670 ug/ml
16) T n-Octacosane (C28)	16.946	2523422	20.461 ug/ml
17) T n-Tricontane (C30)	17.836	2609303	21.948 ug/ml
18) T n-Dotriacontane (C32)	18.669	2575967	23.560 ug/ml
19) T n-Tetratriacontane (C34)	19.455	2268943	23.496 ug/ml
20) T n-Hexatriacontane (C36)	20.195	1827044	22.170 ug/ml
21) T n-Octatriacontane (C38)	20.963	1331849	17.822 ug/ml
22) T n-Tetracontane (C40)	21.931	1097698	15.501 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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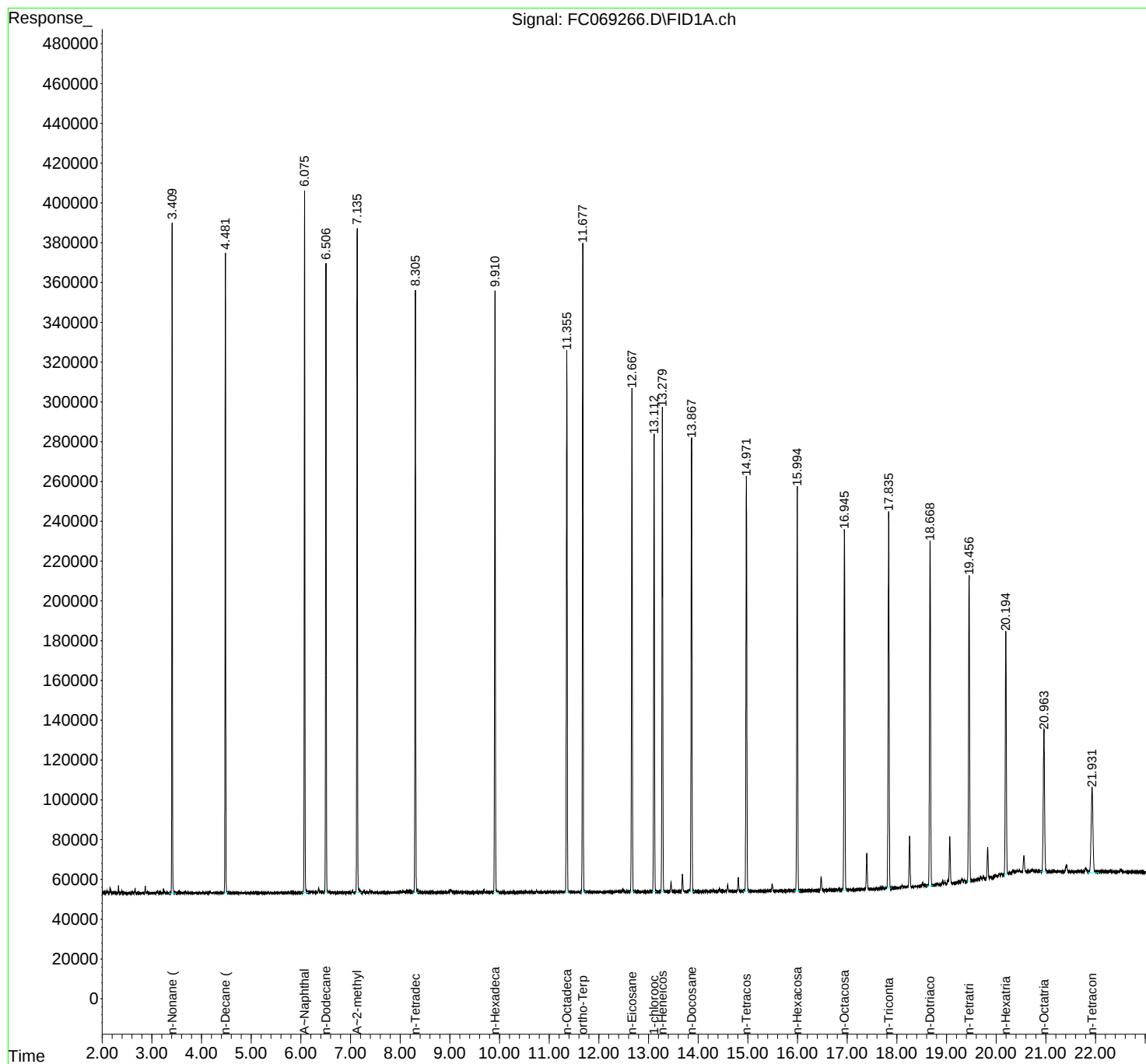
Instrument :
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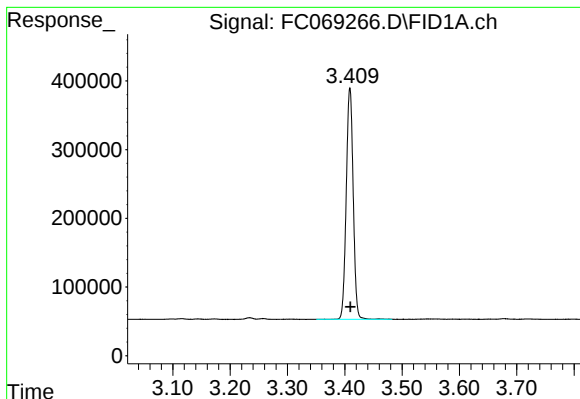
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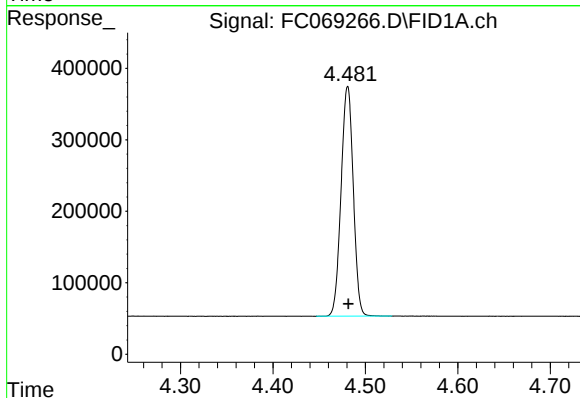
#1 n-Nonane (C9)

R.T.: 3.409 min
Delta R.T.: -0.001 min
Response: 2833429
Conc: 19.92 ug/ml

Instrument :
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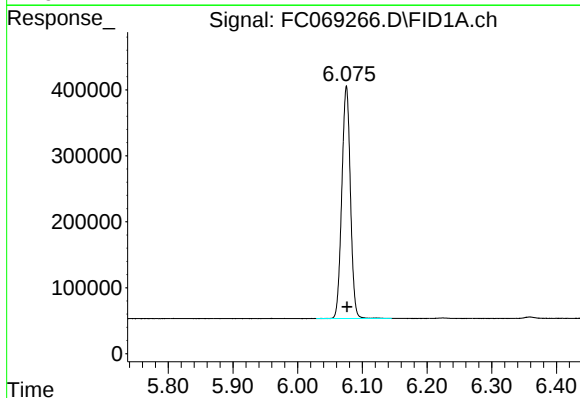
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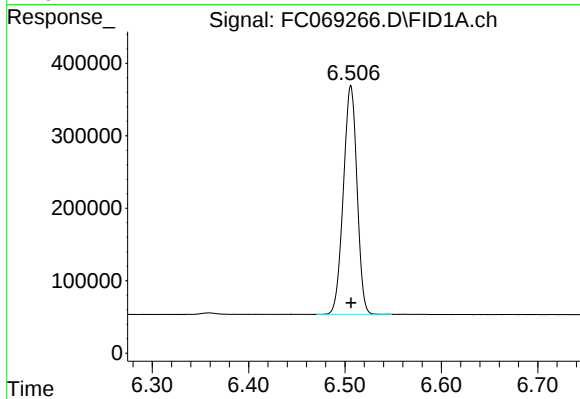
#2 n-Decane (C10)

R.T.: 4.481 min
Delta R.T.: 0.000 min
Response: 2952985
Conc: 20.17 ug/ml



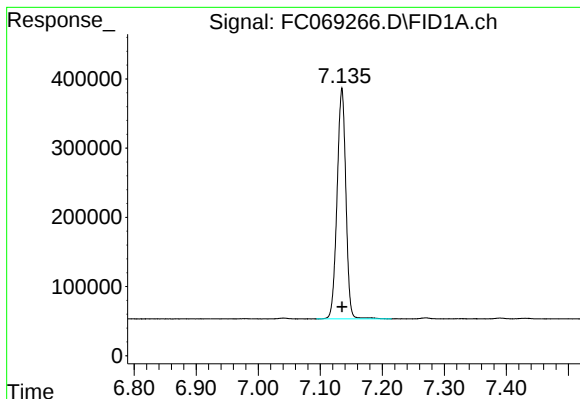
#3 A~Naphthalene (C11.7)

R.T.: 6.075 min
Delta R.T.: -0.001 min
Response: 3250567
Conc: 20.20 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.506 min
Delta R.T.: 0.000 min
Response: 3092529
Conc: 20.42 ug/ml



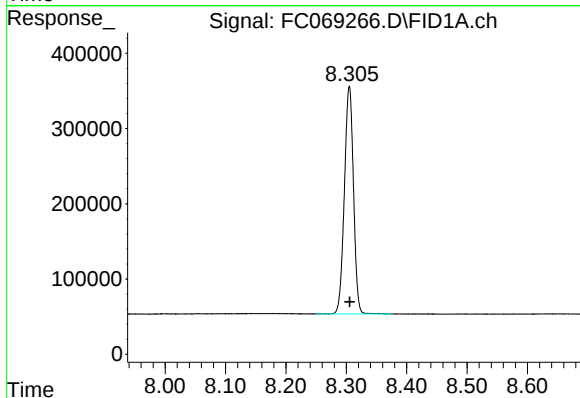
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.135 min
Delta R.T.: 0.000 min
Response: 3288275
Conc: 20.78 ug/ml

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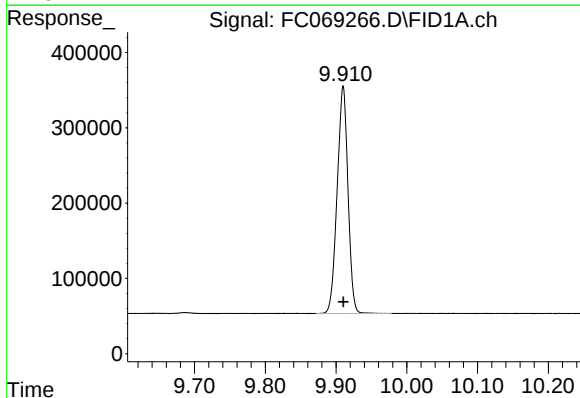
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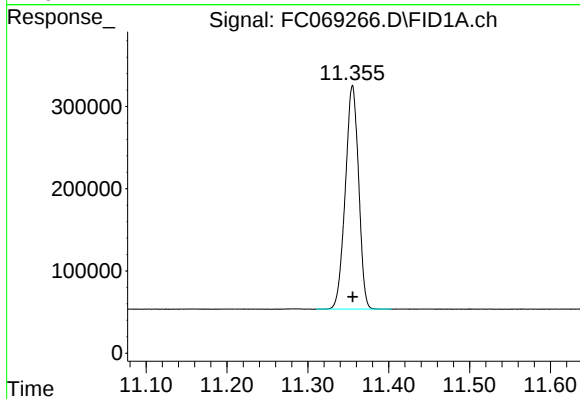
#6 n-Tetradecane (C14)

R.T.: 8.305 min
Delta R.T.: -0.001 min
Response: 3167859
Conc: 20.44 ug/ml



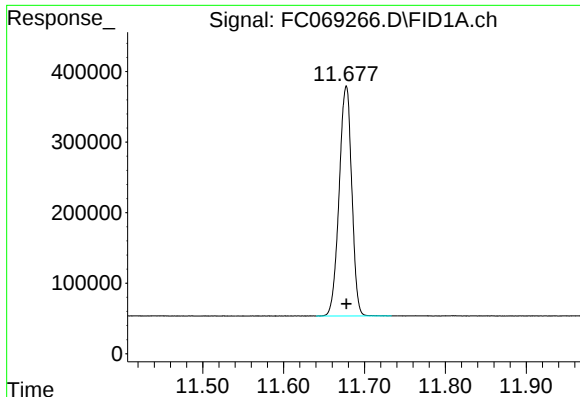
#7 n-Hexadecane (C16)

R.T.: 9.910 min
Delta R.T.: 0.000 min
Response: 3203100
Conc: 19.60 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.355 min
Delta R.T.: 0.000 min
Response: 3114971
Conc: 19.08 ug/ml



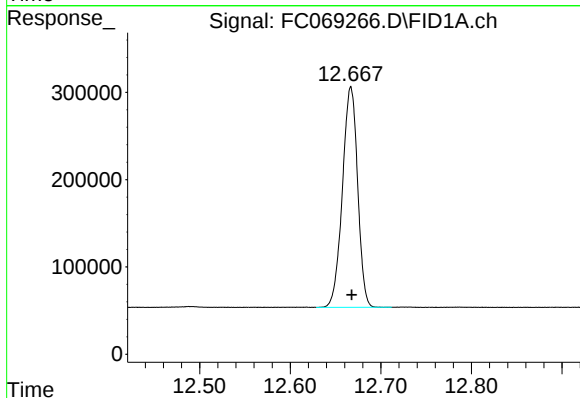
#9 ortho-Terphenyl (SURR)

R.T.: 11.677 min
Delta R.T.: 0.000 min
Response: 3526024
Conc: 20.41 ug/ml

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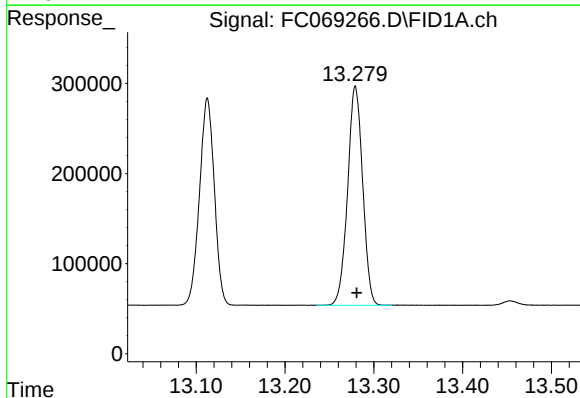
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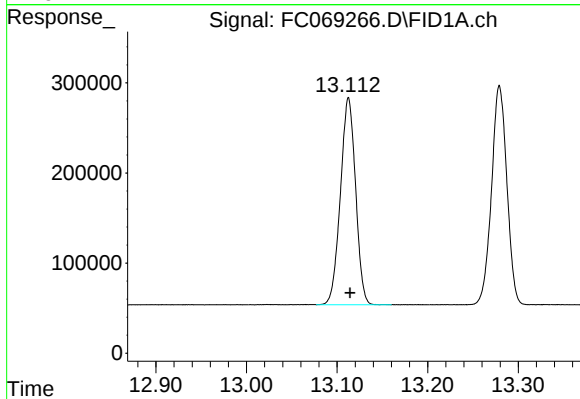
#10 n-Eicosane (C20)

R.T.: 12.667 min
Delta R.T.: -0.001 min
Response: 2946038
Conc: 19.30 ug/ml



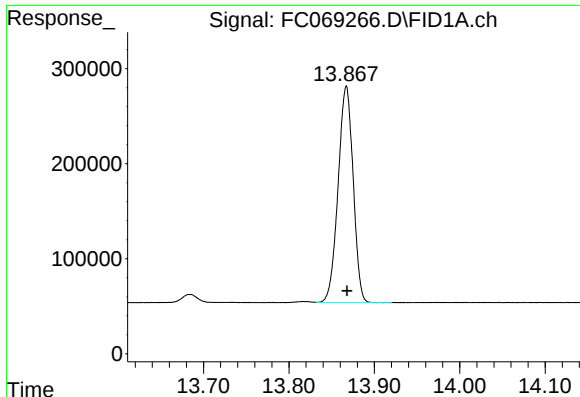
#11 n-Heneicosane (C21)

R.T.: 13.279 min
Delta R.T.: -0.001 min
Response: 2859044
Conc: 19.40 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.113 min
Delta R.T.: -0.002 min
Response: 2671273
Conc: 20.45 ug/ml



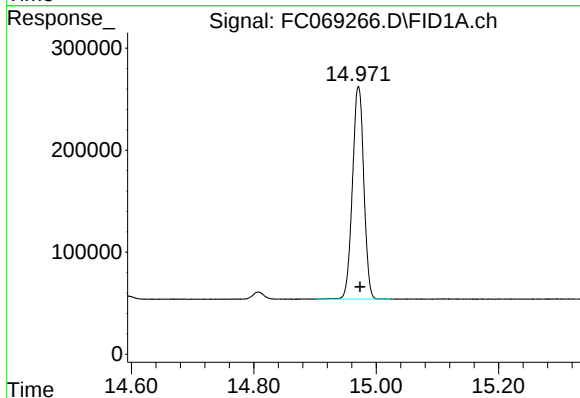
#13 n-Docosane (C22)

R.T.: 13.867 min
Delta R.T.: -0.001 min
Response: 2790739
Conc: 19.40 ug/ml

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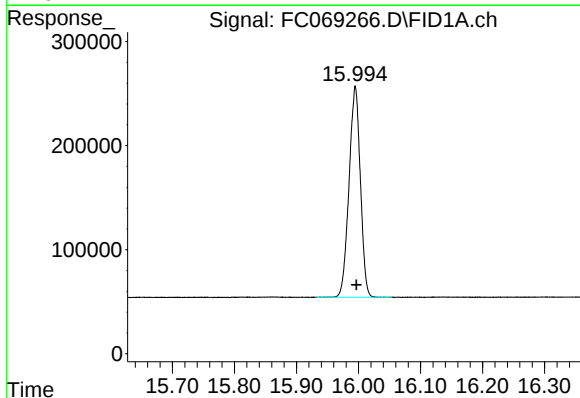
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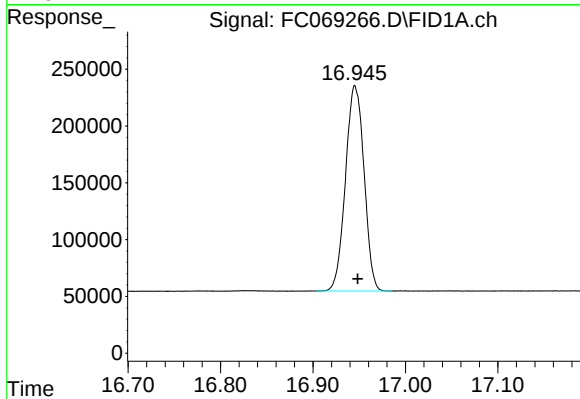
#14 n-Tetracosane (C24)

R.T.: 14.971 min
Delta R.T.: -0.002 min
Response: 2684471
Conc: 19.46 ug/ml



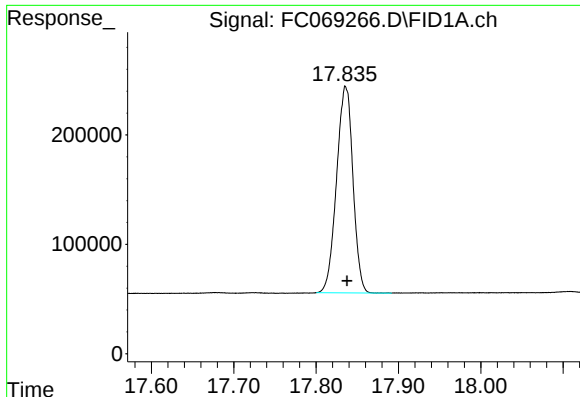
#15 n-Hexacosane (C26)

R.T.: 15.995 min
Delta R.T.: -0.002 min
Response: 2571352
Conc: 19.67 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.946 min
Delta R.T.: -0.003 min
Response: 2523422
Conc: 20.46 ug/ml



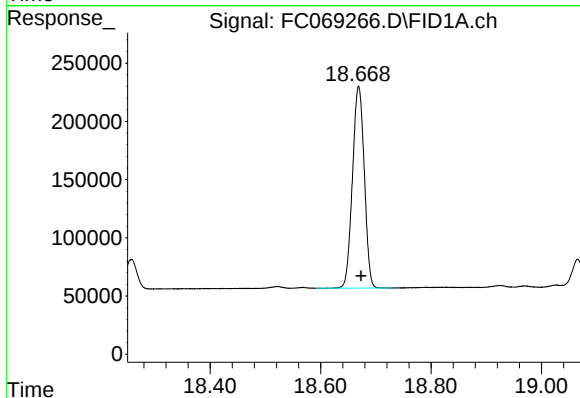
#17 n-Tricontane (C30)

R.T.: 17.836 min
Delta R.T.: -0.002 min
Response: 2609303
Conc: 21.95 ug/ml

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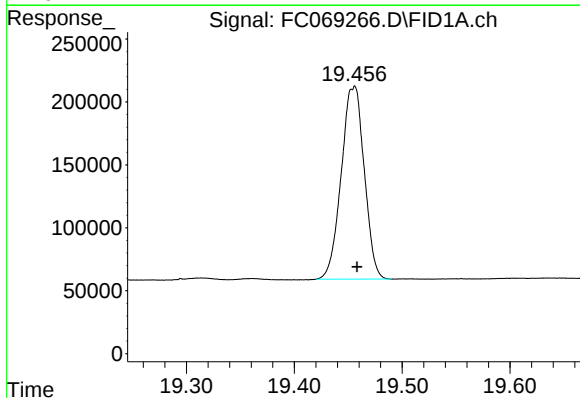
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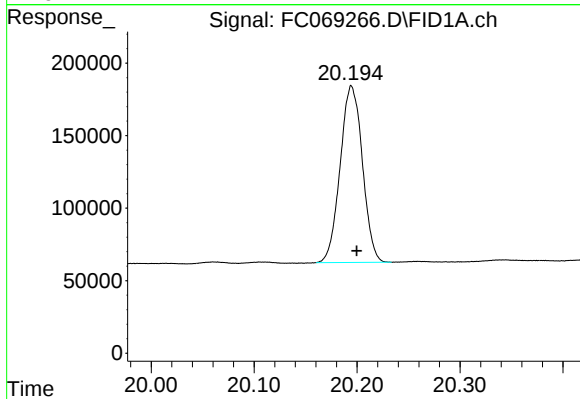
#18 n-Dotriacontane (C32)

R.T.: 18.669 min
Delta R.T.: -0.004 min
Response: 2575967
Conc: 23.56 ug/ml



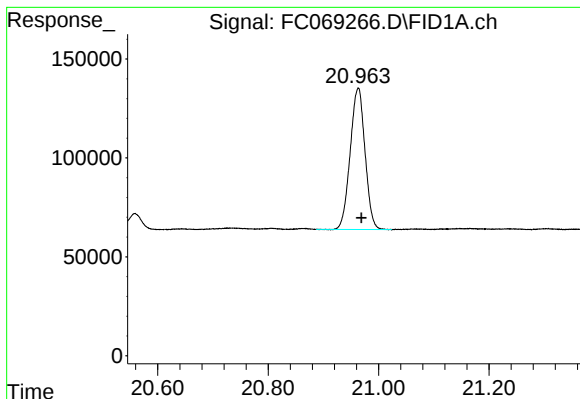
#19 n-Tetratriacontane (C34)

R.T.: 19.455 min
Delta R.T.: -0.003 min
Response: 2268943
Conc: 23.50 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.195 min
Delta R.T.: -0.005 min
Response: 1827044
Conc: 22.17 ug/ml



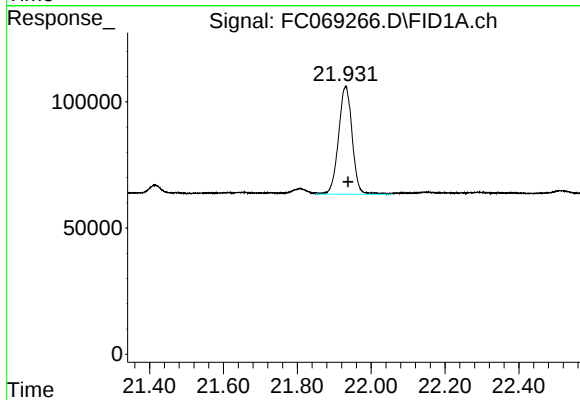
#21 n-Octatriacontane (C38)

R.T.: 20.963 min
Delta R.T.: -0.006 min
Response: 1331849
Conc: 17.82 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.931 min
Delta R.T.: -0.006 min
Response: 1097698
Conc: 15.50 ug/ml m