

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG060625AL\
 Data File : FG015972.D
 Signal(s) : FID1A.ch
 Acq On : 06 Jun 2025 19:02
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/09/2025
 Supervised By :mohammad ahmed 06/10/2025

Integration File: autoint1.e
 Quant Time: Jun 06 23:53:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 051225.M
 Quant Title : GC Extractables
 QLast Update : Mon May 12 12:44:43 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)	11.872	2700074	18.135 ug/ml
Spiked Amount 50.000		Recovery =	36.27%
12) S 1-chlorooctadecane (S...	13.317	2092029	18.160 ug/ml
Spiked Amount 50.000		Recovery =	36.32%
Target Compounds			
1) T n-Nonane (C9)	3.218	1962091	17.488 ug/ml
2) T n-Decane (C10)	4.479	2004978	17.721 ug/ml
3) T A~Naphthalene (C11.7)	6.195	2095304	17.922 ug/ml
4) T n-Dodecane (C12)	6.660	2100755	18.231 ug/ml
5) T A~2-methylnaphthalene...	7.297	1997594	17.489 ug/ml
6) T n-Tetradecane (C14)	8.496	2127250	18.468 ug/ml
7) T n-Hexadecane (C16)	10.109	2190727	18.524 ug/ml
8) T n-Octadecane (C18)	11.557	2263074	18.617 ug/ml
10) T n-Eicosane (C20)	12.870	2280565	18.609 ug/ml
11) T n-Heneicosane (C21)	13.484	2254823	18.409 ug/ml
13) T n-Docosane (C22)	14.072	2301398	18.889 ug/ml
14) T n-Tetracosane (C24)	15.177	2385161	19.692 ug/mlm
15) T n-Hexacosane (C26)	16.202	2392140	19.983 ug/ml
16) T n-Octacosane (C28)	17.154	2399565	20.351 ug/ml
17) T n-Tricontane (C30)	18.044	2412555	20.303 ug/ml
18) T n-Dotriacontane (C32)	18.877	2403257	20.346 ug/ml
19) T n-Tetratriacontane (C34)	19.661	2172229	19.453 ug/ml
20) T n-Hexatriacontane (C36)	20.403	2054881	19.003 ug/ml
21) T n-Octatriacontane (C38)	21.137	1990470	19.162 ug/mlm
22) T n-Tetracontane (C40)	22.046	1985025	19.465 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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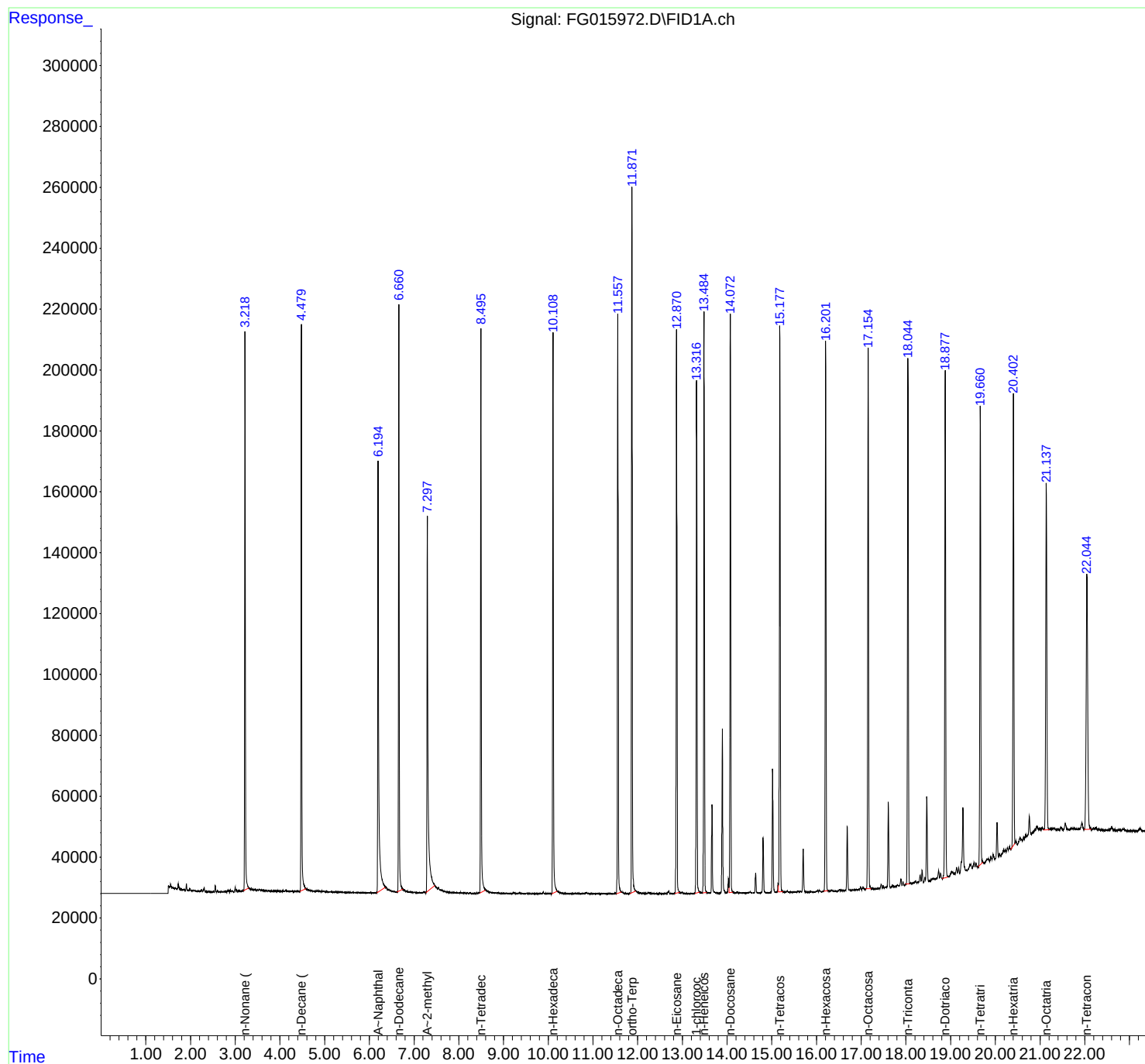
Instrument :
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20 PPM ALIPHATIC HC STD

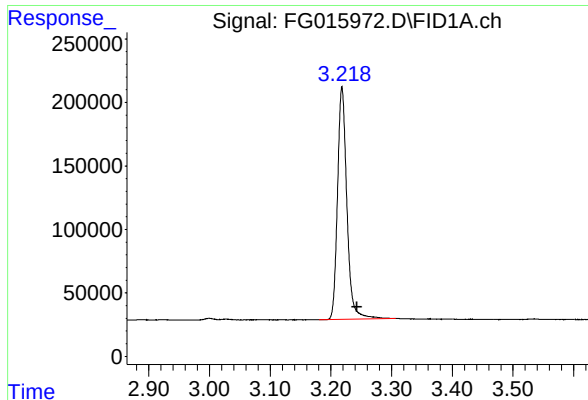
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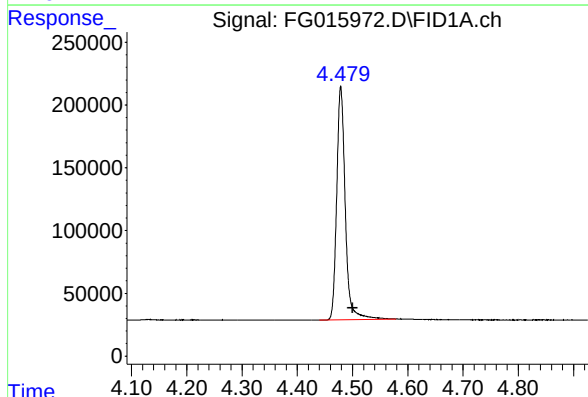
#1 n-Nonane (C9)

R.T.: 3.218 min
Delta R.T.: -0.025 min
Response: 1962091
Conc: 17.49 ug/ml

Instrument :
FID_G
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20 PPM ALIPHATIC HC STD

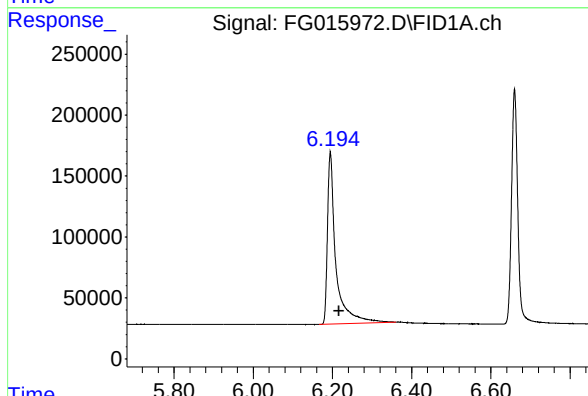
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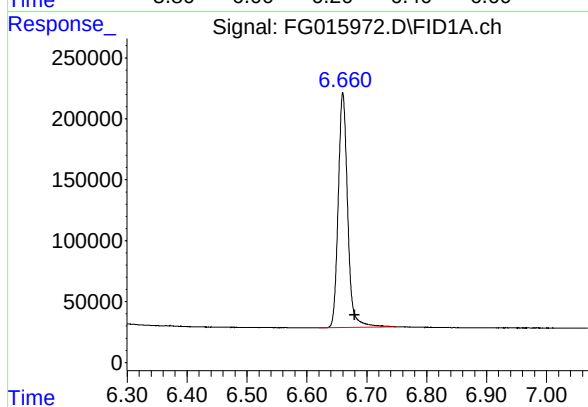
#2 n-Decane (C10)

R.T.: 4.479 min
Delta R.T.: -0.022 min
Response: 2004978
Conc: 17.72 ug/ml



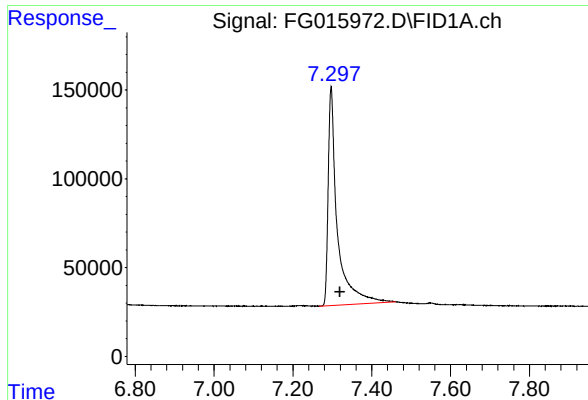
#3 A~Naphthalene (C11.7)

R.T.: 6.195 min
Delta R.T.: -0.022 min
Response: 2095304
Conc: 17.92 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.660 min
Delta R.T.: -0.020 min
Response: 2100755
Conc: 18.23 ug/ml



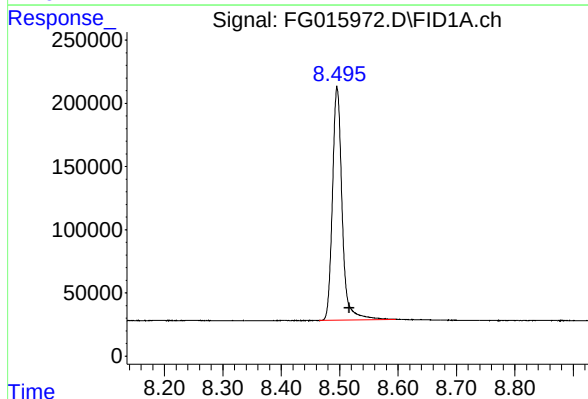
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.297 min
Delta R.T.: -0.022 min
Response: 1997594
Conc: 17.49 ug/ml

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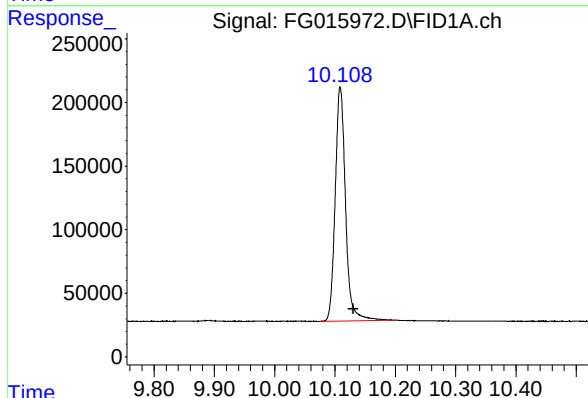
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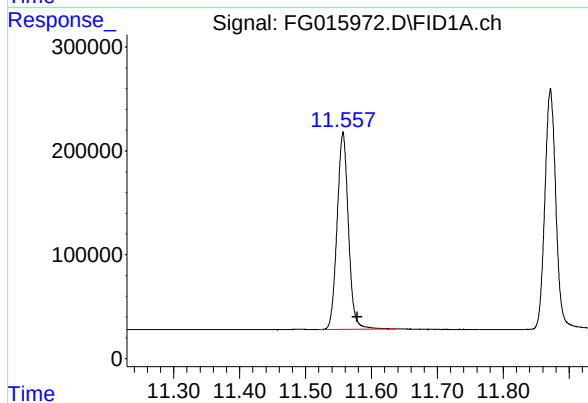
#6 n-Tetradecane (C14)

R.T.: 8.496 min
Delta R.T.: -0.021 min
Response: 2127250
Conc: 18.47 ug/ml



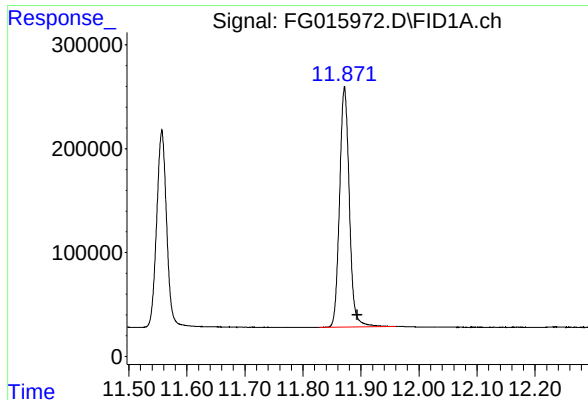
#7 n-Hexadecane (C16)

R.T.: 10.109 min
Delta R.T.: -0.022 min
Response: 2190727
Conc: 18.52 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.557 min
Delta R.T.: -0.021 min
Response: 2263074
Conc: 18.62 ug/ml



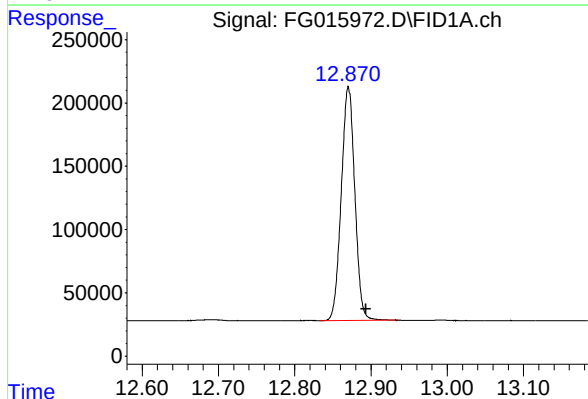
#9 ortho-Terphenyl (SURR)

R.T.: 11.872 min
Delta R.T.: -0.022 min
Response: 2700074
Conc: 18.13 ug/ml

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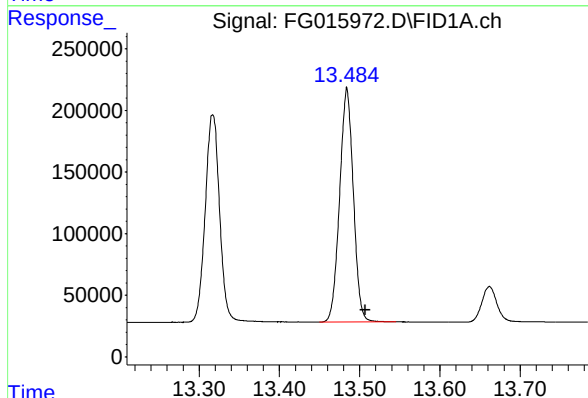
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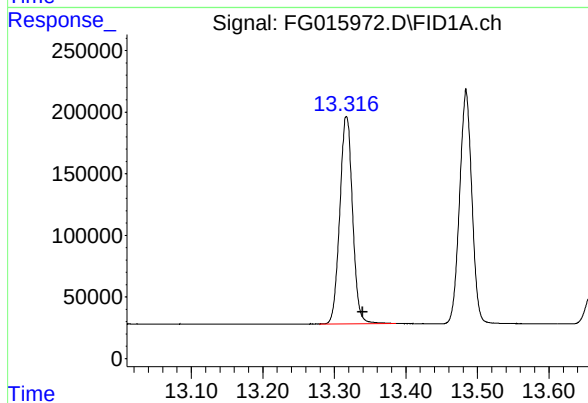
#10 n-Eicosane (C20)

R.T.: 12.870 min
Delta R.T.: -0.023 min
Response: 2280565
Conc: 18.61 ug/ml



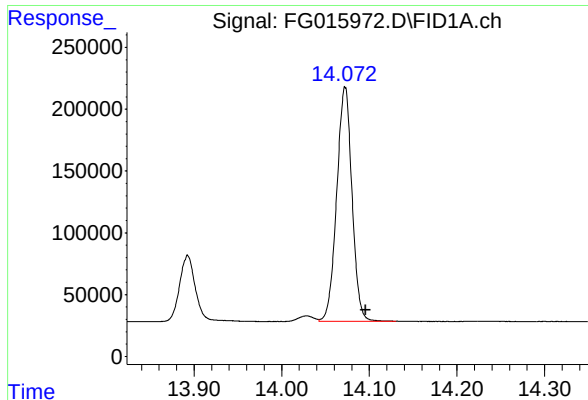
#11 n-Heneicosane (C21)

R.T.: 13.484 min
Delta R.T.: -0.023 min
Response: 2254823
Conc: 18.41 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.317 min
Delta R.T.: -0.023 min
Response: 2092029
Conc: 18.16 ug/ml



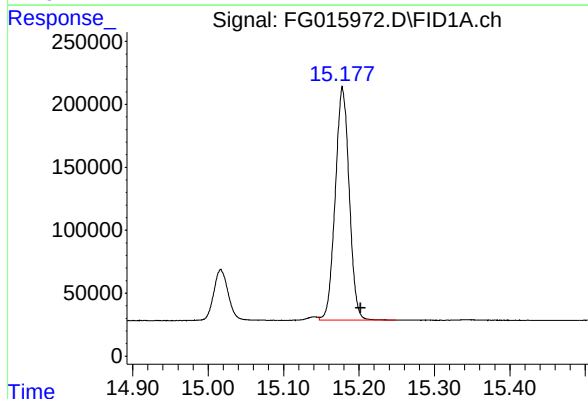
#13 n-Docosane (C22)

R.T.: 14.072 min
Delta R.T.: -0.023 min
Response: 2301398
Conc: 18.89 ug/ml

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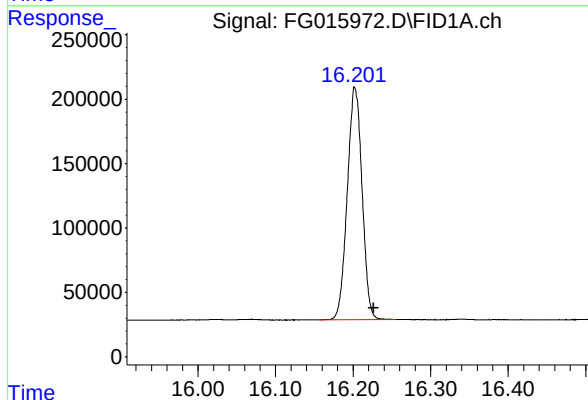
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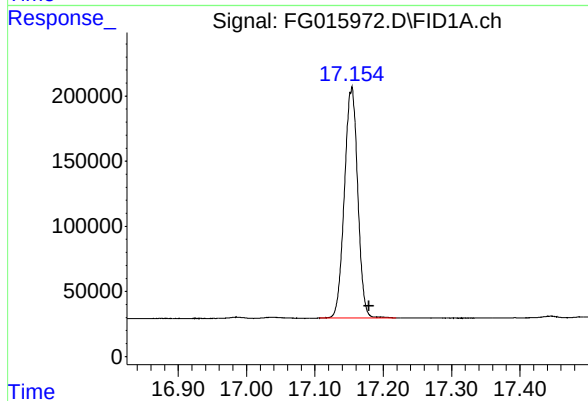
#14 n-Tetracosane (C24)

R.T.: 15.177 min
Delta R.T.: -0.025 min
Response: 2385161
Conc: 19.69 ug/ml m



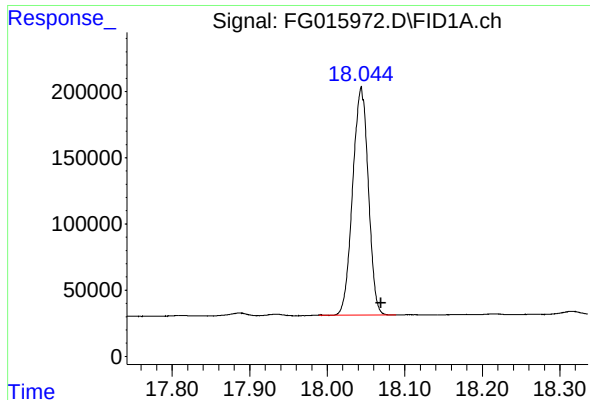
#15 n-Hexacosane (C26)

R.T.: 16.202 min
Delta R.T.: -0.024 min
Response: 2392140
Conc: 19.98 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.154 min
Delta R.T.: -0.025 min
Response: 2399565
Conc: 20.35 ug/ml



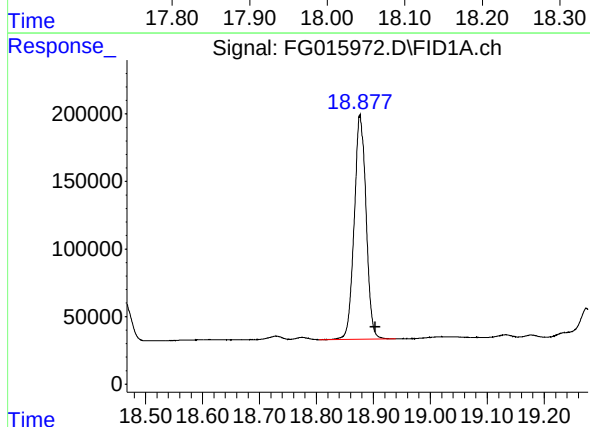
#17 n-Tricontane (C30)

R.T.: 18.044 min
Delta R.T.: -0.025 min
Response: 2412555
Conc: 20.30 ug/ml

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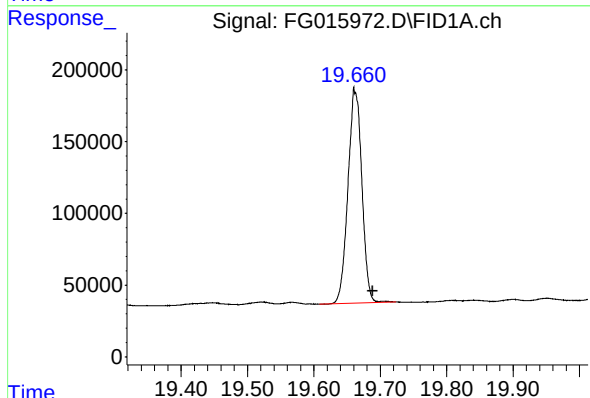
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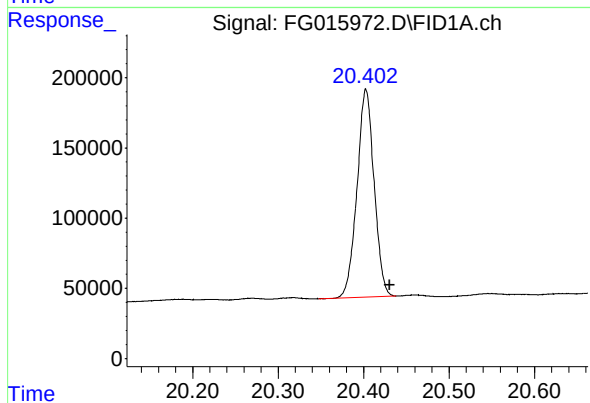
#18 n-Dotriacontane (C32)

R.T.: 18.877 min
Delta R.T.: -0.027 min
Response: 2403257
Conc: 20.35 ug/ml



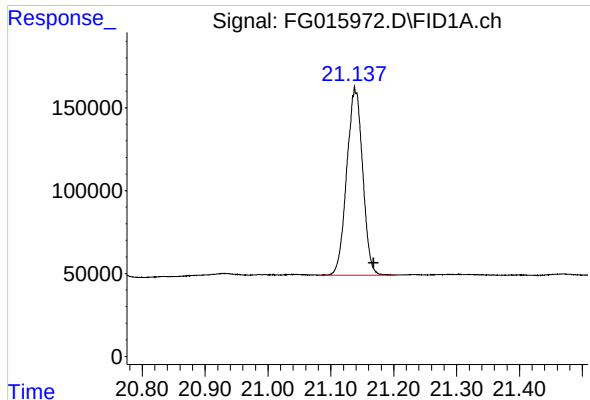
#19 n-Tetratriacontane (C34)

R.T.: 19.661 min
Delta R.T.: -0.027 min
Response: 2172229
Conc: 19.45 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.403 min
Delta R.T.: -0.028 min
Response: 2054881
Conc: 19.00 ug/ml



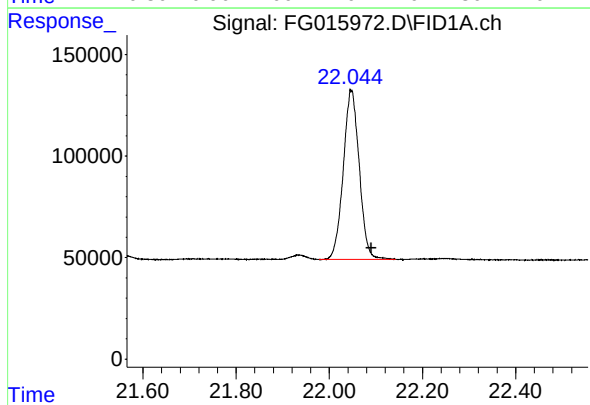
#21 n-Octatriacontane (C38)

R.T.: 21.137 min
Delta R.T.: -0.031 min
Response: 1990470
Conc: 19.16 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.046 min
Delta R.T.: -0.043 min
Response: 1985025
Conc: 19.47 ug/ml