

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG060625AL\
 Data File : FG015957.D
 Signal(s) : FID1A.ch
 Acq On : 06 Jun 2025 10:01
 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 13:02:26 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)	11.873	2707201	18.183 ug/ml
Spiked Amount 50.000		Recovery =	36.37%
12) S 1-chlorooctadecane (S...	13.317	2102122	18.248 ug/ml
Spiked Amount 50.000		Recovery =	36.50%
Target Compounds			
1) T n-Nonane (C9)	3.218	1931253	17.213 ug/ml
2) T n-Decane (C10)	4.480	1965417	17.371 ug/ml
3) T A~Naphthalene (C11.7)	6.195	2064194	17.656 ug/ml
4) T n-Dodecane (C12)	6.661	2057874	17.859 ug/ml
5) T A~2-methylnaphthalene...	7.298	2028010	17.755 ug/ml
6) T n-Tetradecane (C14)	8.497	2103560	18.263 ug/ml
7) T n-Hexadecane (C16)	10.109	2169942	18.348 ug/ml
8) T n-Octadecane (C18)	11.557	2250253	18.512 ug/ml
10) T n-Eicosane (C20)	12.871	2280474	18.608 ug/ml
11) T n-Heneicosane (C21)	13.485	2255753	18.416 ug/ml
13) T n-Docosane (C22)	14.073	2312658	18.982 ug/ml
14) T n-Tetracosane (C24)	15.179	2431118	20.071 ug/ml
15) T n-Hexacosane (C26)	16.204	2420901	20.224 ug/ml
16) T n-Octacosane (C28)	17.155	2422930	20.549 ug/ml
17) T n-Tricontane (C30)	18.045	2432006	20.467 ug/ml
18) T n-Dotriacontane (C32)	18.879	2447513	20.721 ug/ml
19) T n-Tetratriacontane (C34)	19.665	2179989	19.522 ug/ml
20) T n-Hexatriacontane (C36)	20.405	2077775	19.215 ug/mlm
21) T n-Octatriacontane (C38)	21.140	1965658	18.923 ug/ml
22) T n-Tetracontane (C40)	22.048	1998665	19.599 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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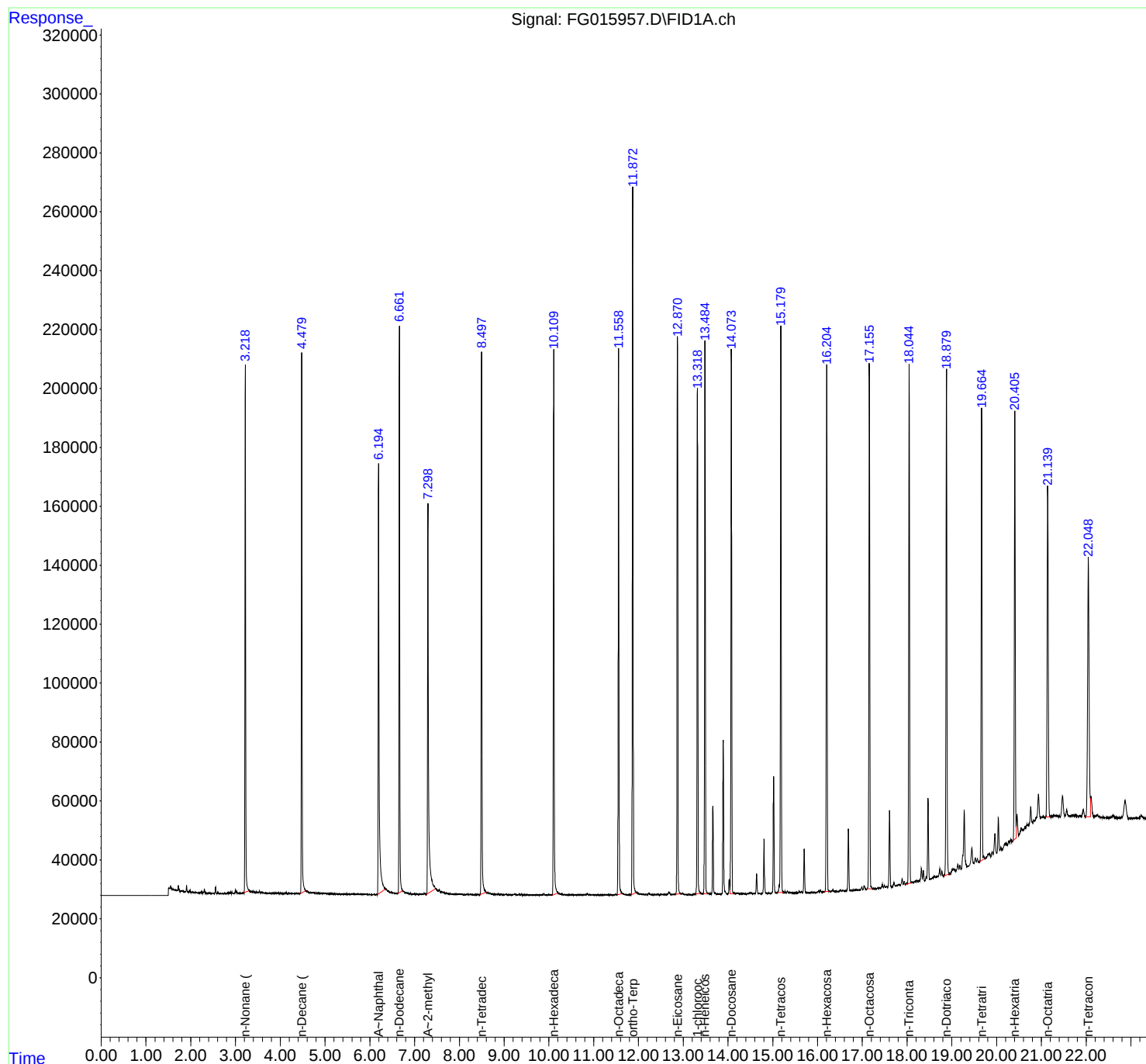
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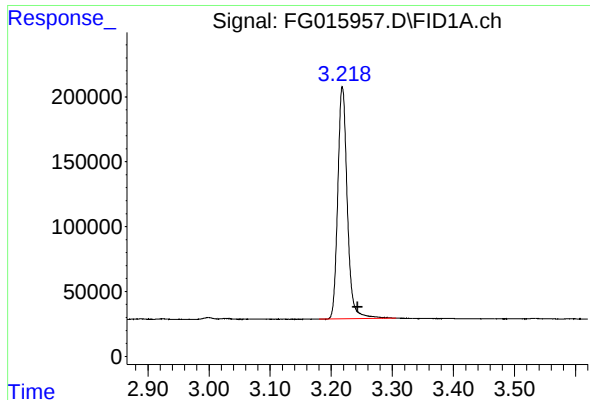
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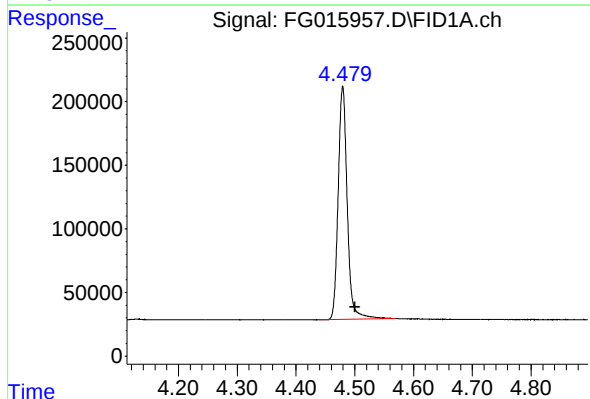
#1 n-Nonane (C9)

R.T.: 3.218 min
Delta R.T.: -0.025 min
Response: 1931253
Conc: 17.21 ug/ml

Instrument :
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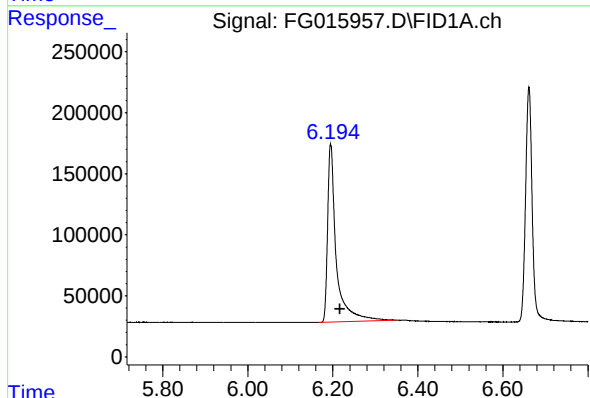
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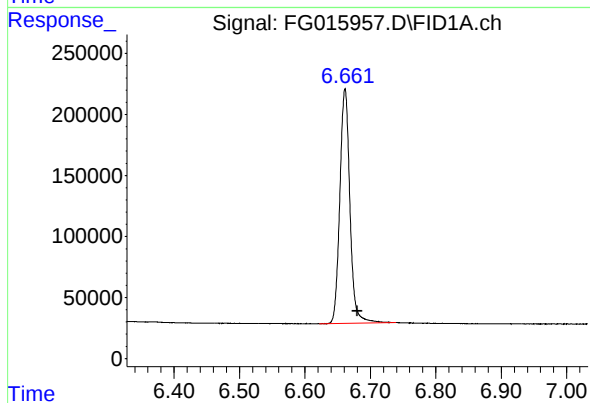
#2 n-Decane (C10)

R.T.: 4.480 min
Delta R.T.: -0.021 min
Response: 1965417
Conc: 17.37 ug/ml



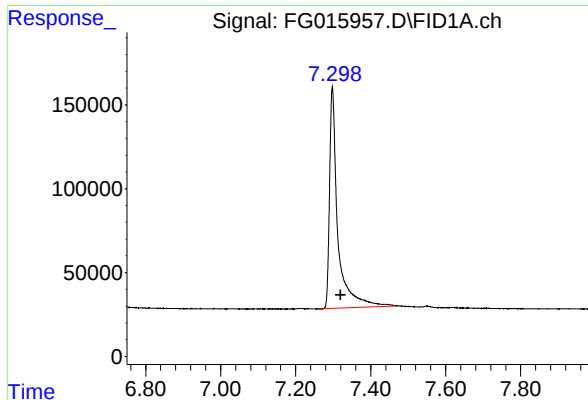
#3 A~Naphthalene (C11.7)

R.T.: 6.195 min
Delta R.T.: -0.022 min
Response: 2064194
Conc: 17.66 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.661 min
Delta R.T.: -0.019 min
Response: 2057874
Conc: 17.86 ug/ml



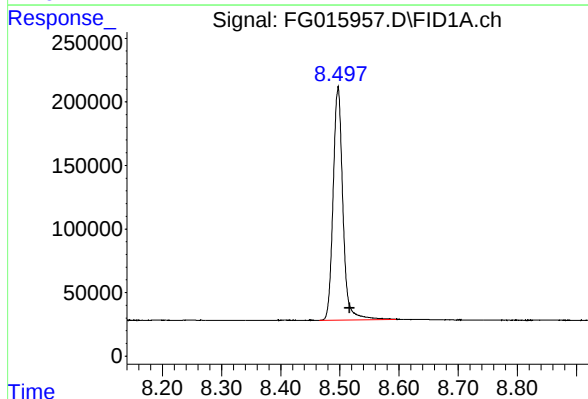
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.298 min
Delta R.T.: -0.021 min
Response: 2028010
Conc: 17.76 ug/ml

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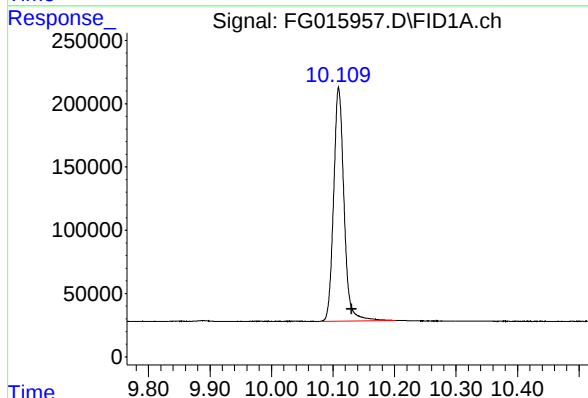
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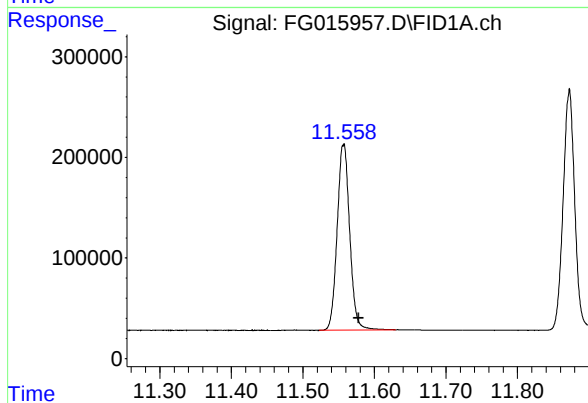
#6 n-Tetradecane (C14)

R.T.: 8.497 min
Delta R.T.: -0.019 min
Response: 2103560
Conc: 18.26 ug/ml



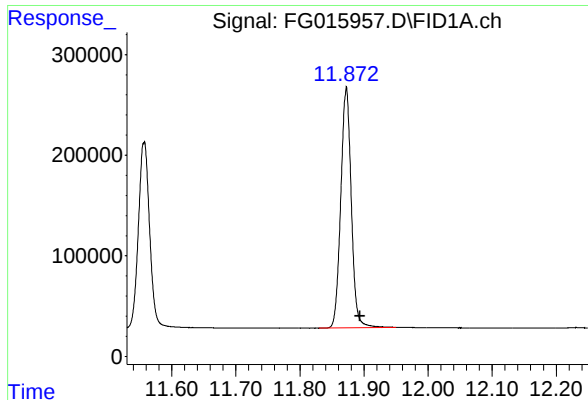
#7 n-Hexadecane (C16)

R.T.: 10.109 min
Delta R.T.: -0.021 min
Response: 2169942
Conc: 18.35 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.557 min
Delta R.T.: -0.021 min
Response: 2250253
Conc: 18.51 ug/ml



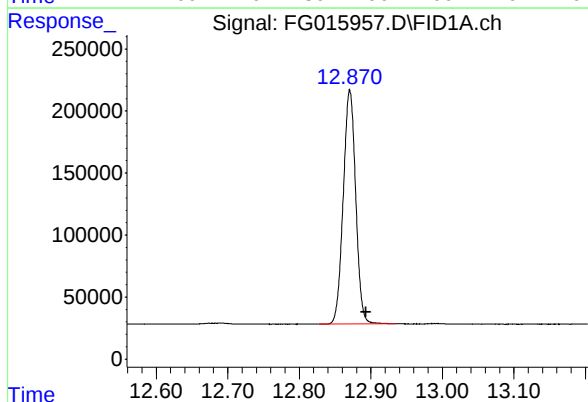
#9 ortho-Terphenyl (SURR)

R.T.: 11.873 min
Delta R.T.: -0.021 min
Response: 2707201
Conc: 18.18 ug/ml

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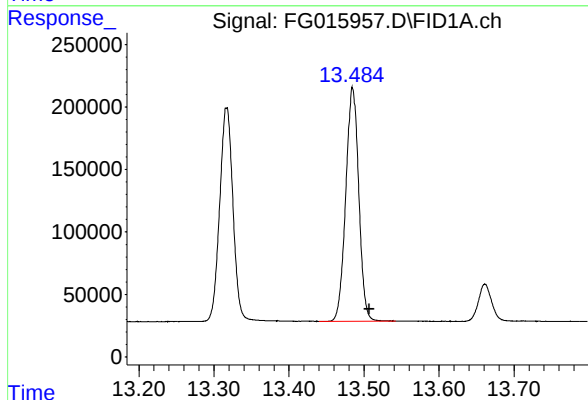
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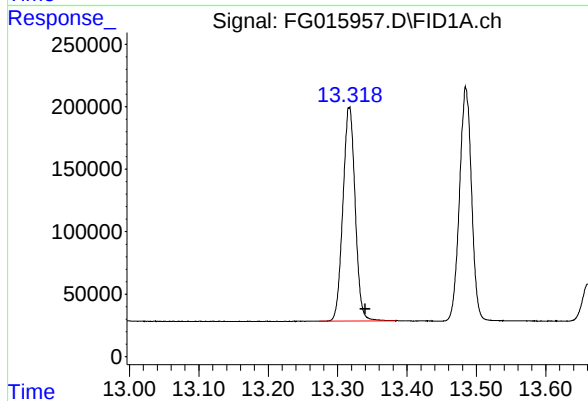
#10 n-Eicosane (C20)

R.T.: 12.871 min
Delta R.T.: -0.023 min
Response: 2280474
Conc: 18.61 ug/ml



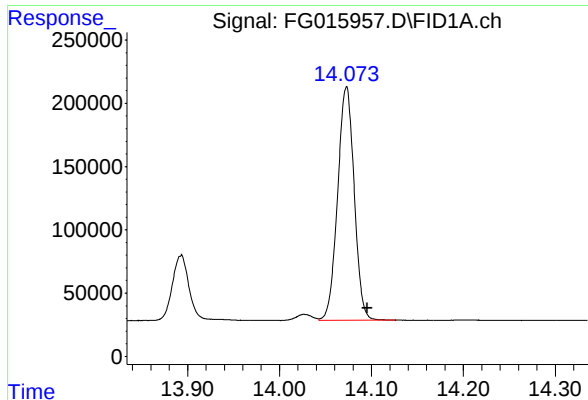
#11 n-Heneicosane (C21)

R.T.: 13.485 min
Delta R.T.: -0.022 min
Response: 2255753
Conc: 18.42 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.317 min
Delta R.T.: -0.023 min
Response: 2102122
Conc: 18.25 ug/ml



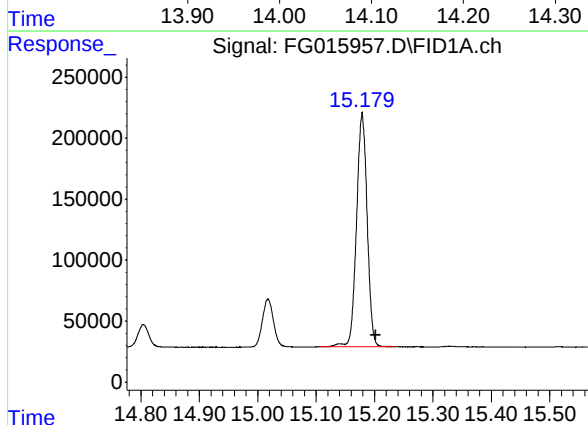
#13 n-Docosane (C22)

R.T.: 14.073 min
Delta R.T.: -0.023 min
Response: 2312658
Conc: 18.98 ug/ml

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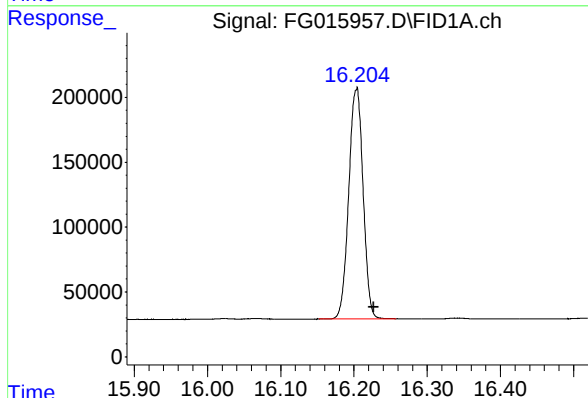
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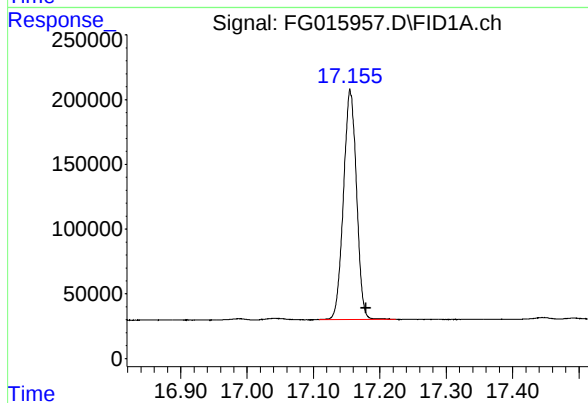
#14 n-Tetracosane (C24)

R.T.: 15.179 min
Delta R.T.: -0.024 min
Response: 2431118
Conc: 20.07 ug/ml



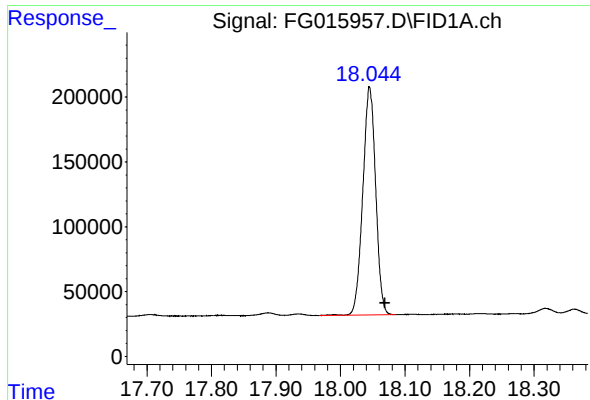
#15 n-Hexacosane (C26)

R.T.: 16.204 min
Delta R.T.: -0.023 min
Response: 2420901
Conc: 20.22 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.155 min
Delta R.T.: -0.024 min
Response: 2422930
Conc: 20.55 ug/ml



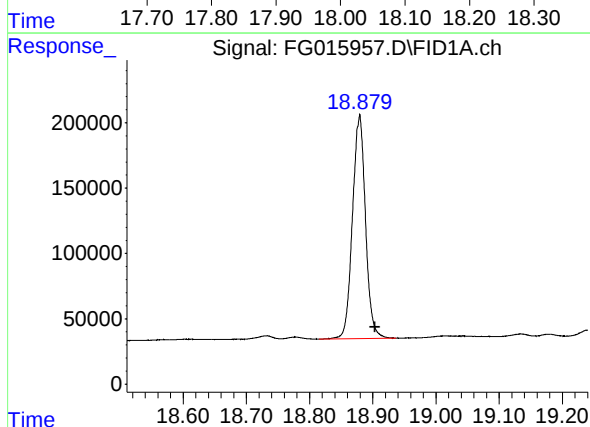
#17 n-Tricontane (C30)

R.T.: 18.045 min
Delta R.T.: -0.024 min
Response: 2432006
Conc: 20.47 ug/ml

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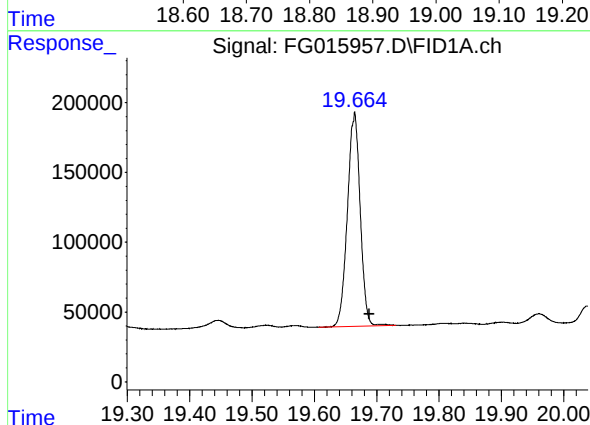
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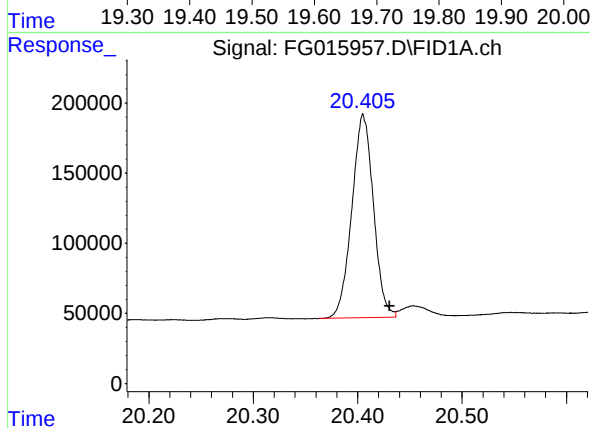
#18 n-Dotriacontane (C32)

R.T.: 18.879 min
Delta R.T.: -0.024 min
Response: 2447513
Conc: 20.72 ug/ml



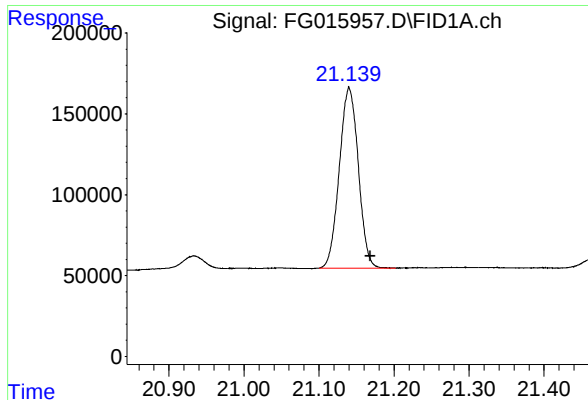
#19 n-Tetatriacontane (C34)

R.T.: 19.665 min
Delta R.T.: -0.024 min
Response: 2179989
Conc: 19.52 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.405 min
Delta R.T.: -0.026 min
Response: 2077775
Conc: 19.21 ug/ml m



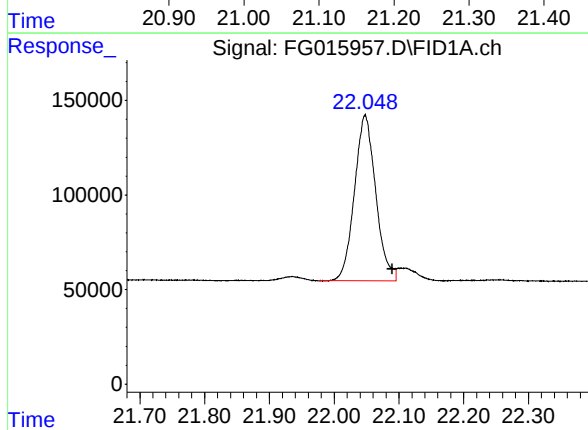
#21 n-Octatriacontane (C38)

R.T.: 21.140 min
Delta R.T.: -0.028 min
Response: 1965658
Conc: 18.92 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.048 min
Delta R.T.: -0.042 min
Response: 1998665
Conc: 19.60 ug/ml m