

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE042225AL\
 Data File : FE053479.D
 Signal(s) : FID1B.ch
 Acq On : 22 Apr 2025 21:47
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/23/2025
 Supervised By :mohammad ahmed 04/24/2025

Integration File: autoint1.e
 Quant Time: Apr 23 02:55:04 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 16 18:29:18 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	3194859	17.714 ug/ml
Spiked Amount 50.000		Recovery =	35.43%
12) S 1-chlorooctadecane (S...	13.317	2359330	17.454 ug/ml
Spiked Amount 50.000		Recovery =	34.91%
Target Compounds			
1) T n-Nonane (C9)	3.221	2597762	18.948 ug/ml
2) T n-Decane (C10)	4.482	2657309	19.209 ug/ml
3) T A~Naphthalene (C11.7)	6.193	2906529	19.256 ug/ml
4) T n-Dodecane (C12)	6.661	2686407	19.155 ug/ml
5) T A~2-methylnaphthalene...	7.295	2874193	19.251 ug/ml
6) T n-Tetradecane (C14)	8.497	2666550	19.007 ug/ml
7) T n-Hexadecane (C16)	10.111	2657277	18.541 ug/ml
8) T n-Octadecane (C18)	11.558	2617141	17.958 ug/ml
10) T n-Eicosane (C20)	12.872	2571636	17.673 ug/ml
11) T n-Heneicosane (C21)	13.486	2537176	17.517 ug/ml
13) T n-Docosane (C22)	14.073	2515797	17.434 ug/ml
14) T n-Tetracosane (C24)	15.179	2475374	17.233 ug/ml
15) T n-Hexacosane (C26)	16.203	2423694	17.113 ug/ml
16) T n-Octacosane (C28)	17.154	2421508	17.405 ug/ml
17) T n-Tricontane (C30)	18.044	2492405	17.906 ug/ml
18) T n-Dotriacontane (C32)	18.877	2519016	18.346 ug/mlm
19) T n-Tetratriacontane (C34)	19.663	2376562	18.240 ug/ml
20) T n-Hexatriacontane (C36)	20.405	2394904	18.970 ug/mlm
21) T n-Octatriacontane (C38)	21.137	2373370	19.481 ug/mlm
22) T n-Tetracontane (C40)	22.045	2308847	19.334 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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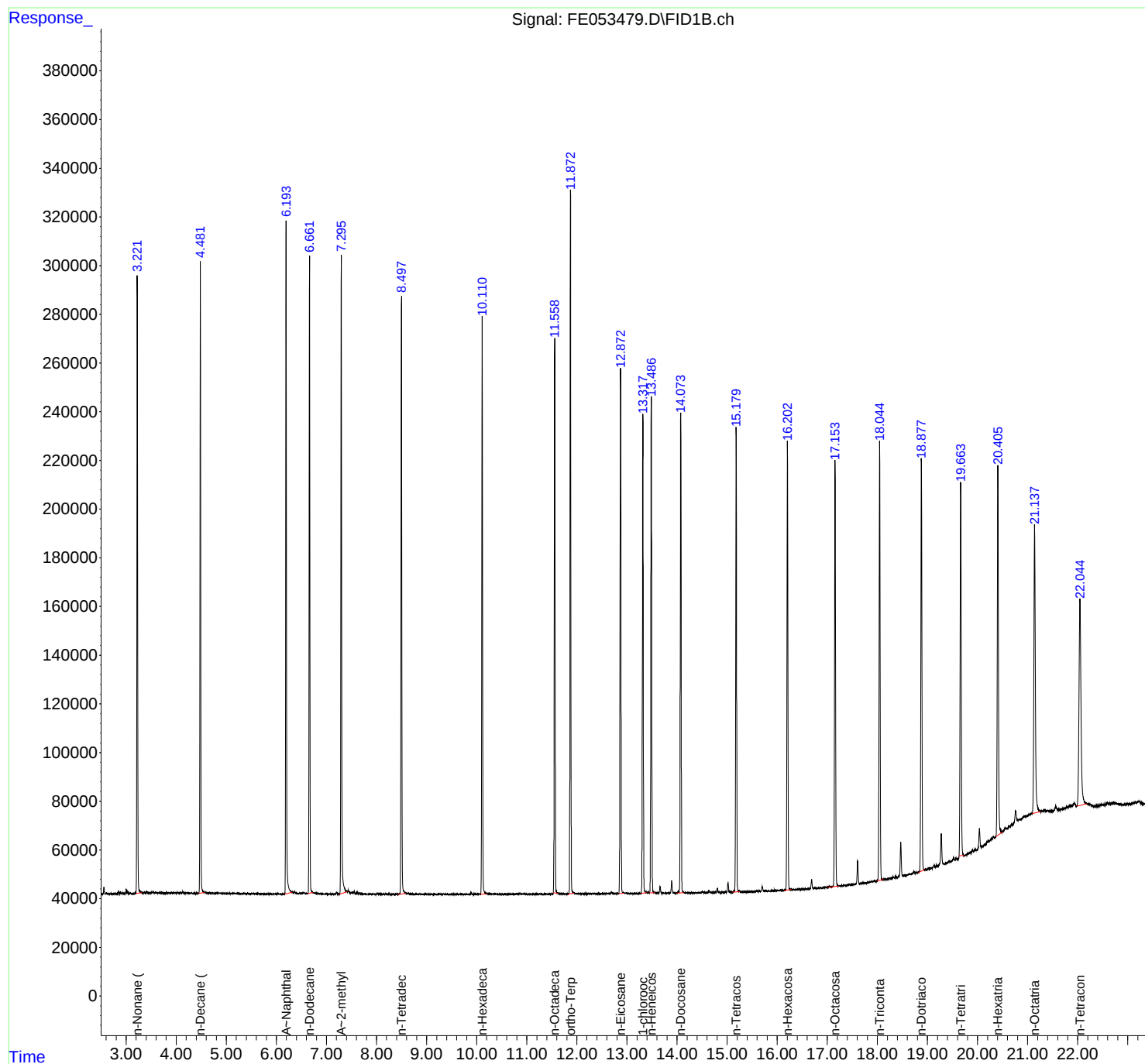
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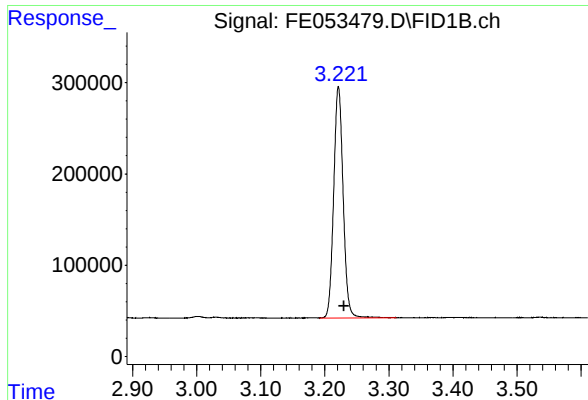
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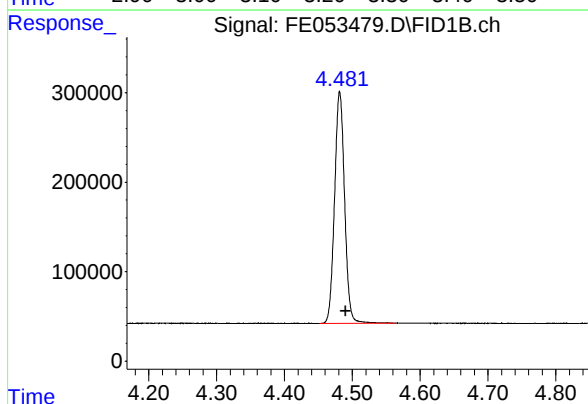
#1 n-Nonane (C9)

R.T.: 3.221 min
Delta R.T.: -0.009 min
Response: 2597762
Conc: 18.95 ug/ml

Instrument :
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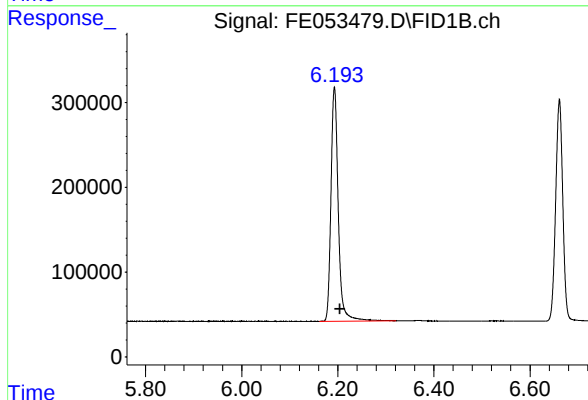
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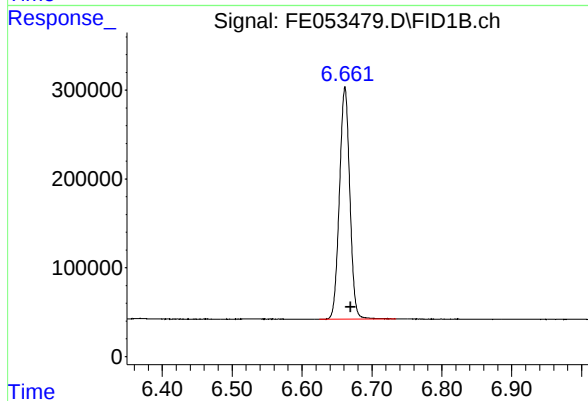
#2 n-Decane (C10)

R.T.: 4.482 min
Delta R.T.: -0.009 min
Response: 2657309
Conc: 19.21 ug/ml



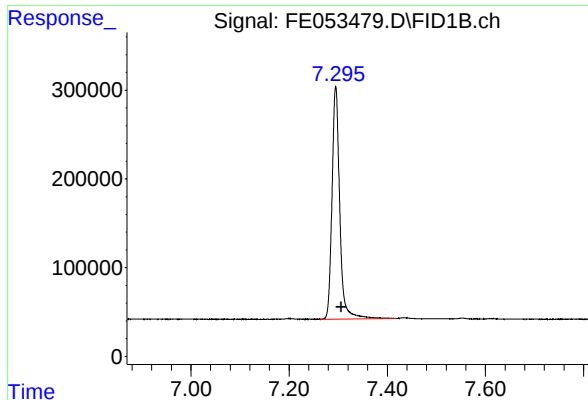
#3 A~Naphthalene (C11.7)

R.T.: 6.193 min
Delta R.T.: -0.011 min
Response: 2906529
Conc: 19.26 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.661 min
Delta R.T.: -0.008 min
Response: 2686407
Conc: 19.15 ug/ml



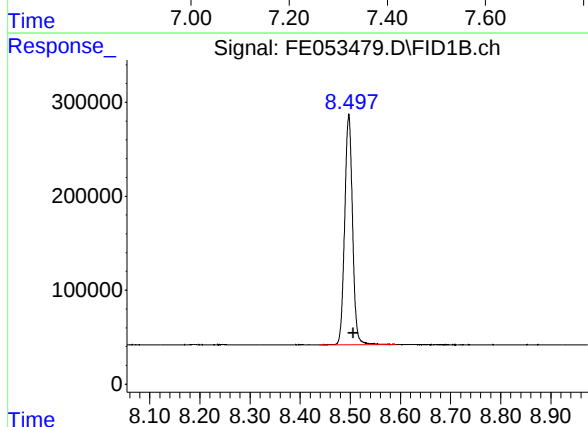
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.295 min
Delta R.T.: -0.011 min
Response: 2874193
Conc: 19.25 ug/ml

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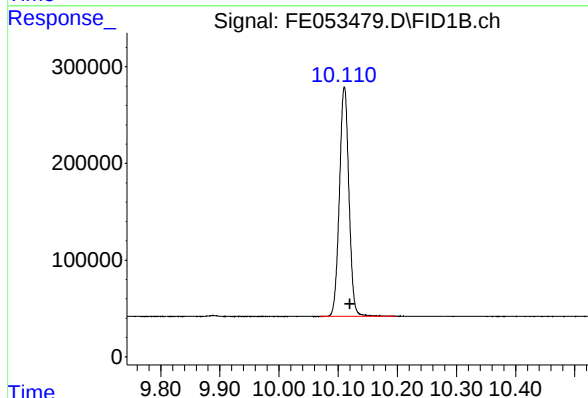
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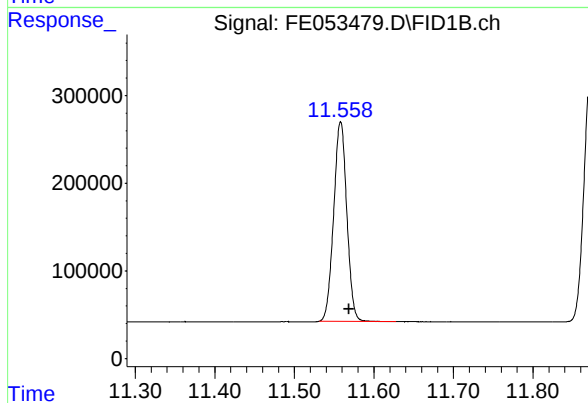
#6 n-Tetradecane (C14)

R.T.: 8.497 min
Delta R.T.: -0.009 min
Response: 2666550
Conc: 19.01 ug/ml



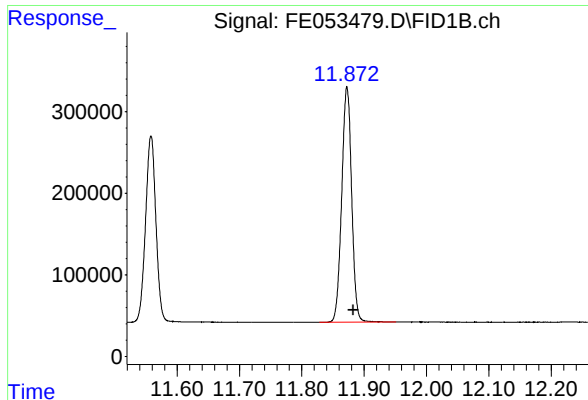
#7 n-Hexadecane (C16)

R.T.: 10.111 min
Delta R.T.: -0.010 min
Response: 2657277
Conc: 18.54 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.558 min
Delta R.T.: -0.010 min
Response: 2617141
Conc: 17.96 ug/ml



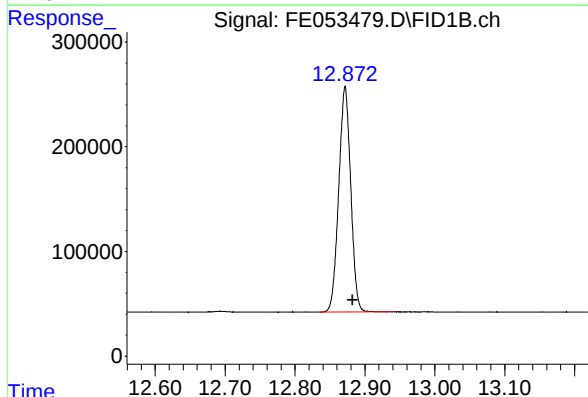
#9 ortho-Terphenyl (SURR)

R.T.: 11.873 min
Delta R.T.: -0.010 min
Response: 3194859
Conc: 17.71 ug/ml

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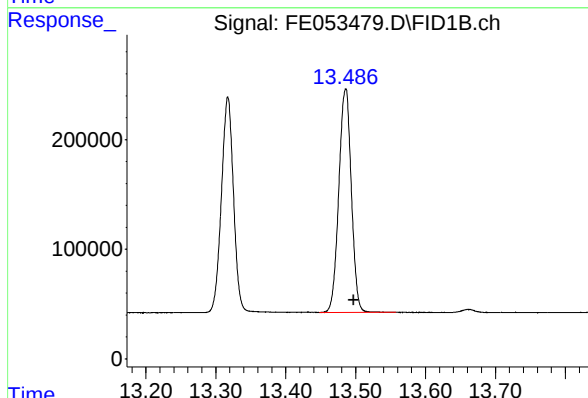
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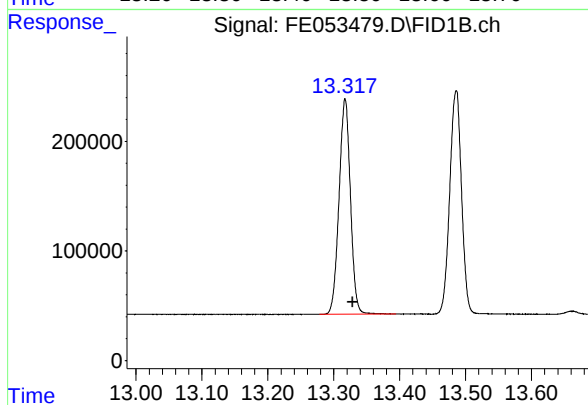
#10 n-Eicosane (C20)

R.T.: 12.872 min
Delta R.T.: -0.011 min
Response: 2571636
Conc: 17.67 ug/ml



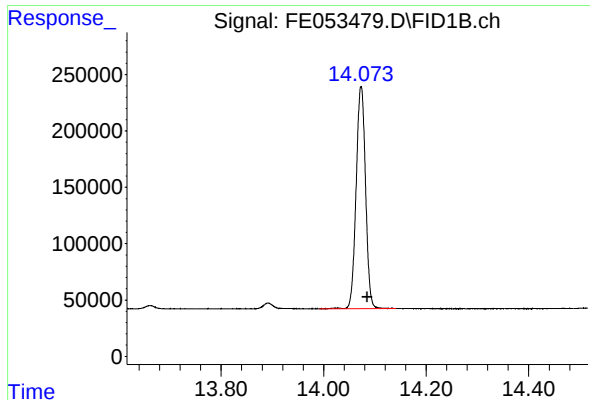
#11 n-Heneicosane (C21)

R.T.: 13.486 min
Delta R.T.: -0.012 min
Response: 2537176
Conc: 17.52 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.317 min
Delta R.T.: -0.011 min
Response: 2359330
Conc: 17.45 ug/ml



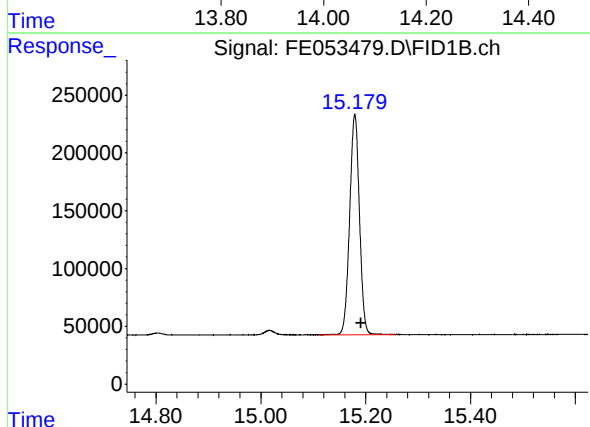
#13 n-Docosane (C22)

R.T.: 14.073 min
Delta R.T.: -0.012 min
Response: 2515797
Conc: 17.43 ug/ml

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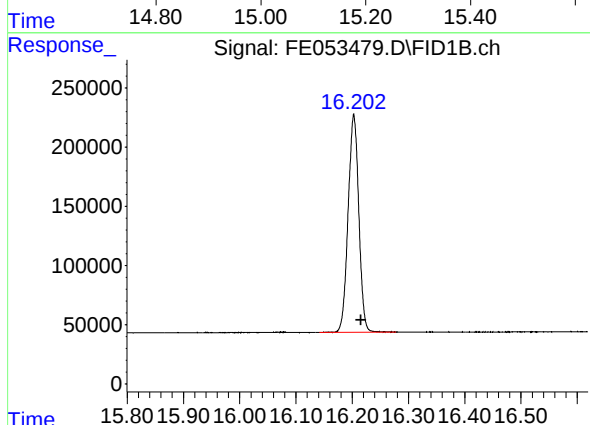
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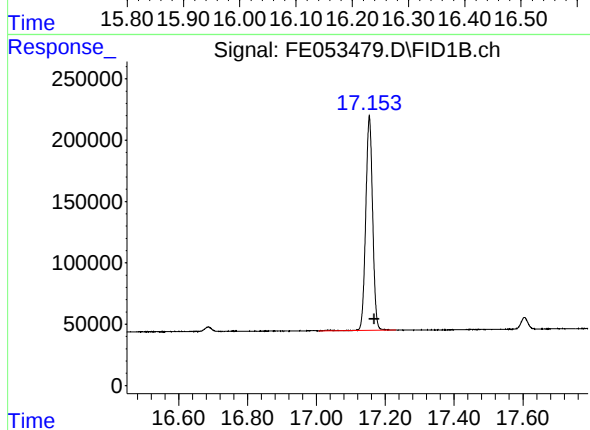
#14 n-Tetracosane (C24)

R.T.: 15.179 min
Delta R.T.: -0.012 min
Response: 2475374
Conc: 17.23 ug/ml



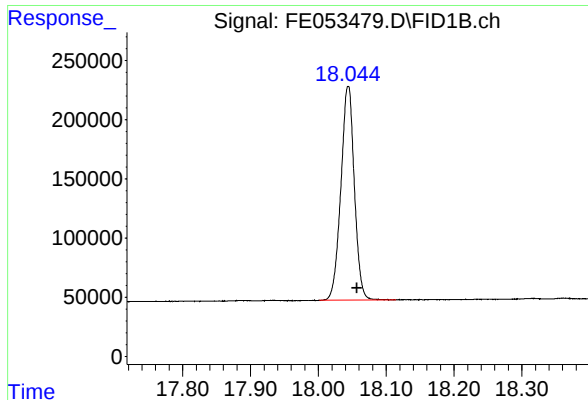
#15 n-Hexacosane (C26)

R.T.: 16.203 min
Delta R.T.: -0.013 min
Response: 2423694
Conc: 17.11 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.154 min
Delta R.T.: -0.015 min
Response: 2421508
Conc: 17.41 ug/ml



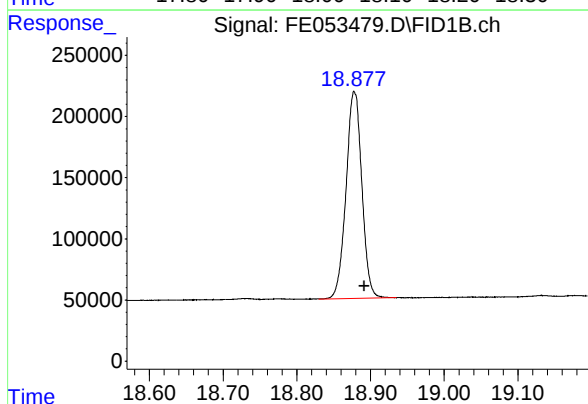
#17 n-Tricontane (C30)

R.T.: 18.044 min
Delta R.T.: -0.013 min
Response: 2492405
Conc: 17.91 ug/ml

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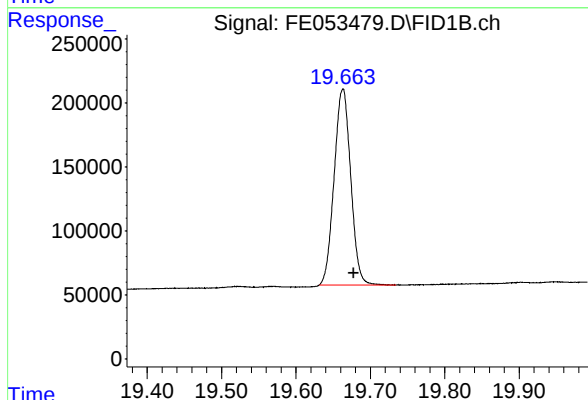
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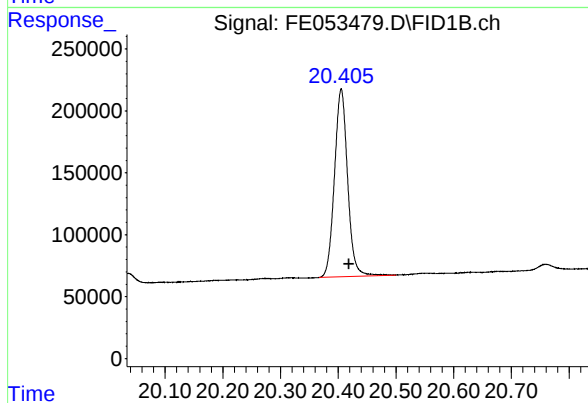
#18 n-Dotriacontane (C32)

R.T.: 18.877 min
Delta R.T.: -0.014 min
Response: 2519016
Conc: 18.35 ug/ml m



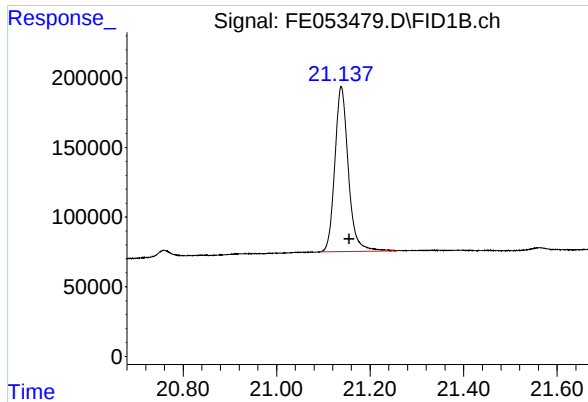
#19 n-Tetratriacontane (C34)

R.T.: 19.663 min
Delta R.T.: -0.014 min
Response: 2376562
Conc: 18.24 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.405 min
Delta R.T.: -0.013 min
Response: 2394904
Conc: 18.97 ug/ml m



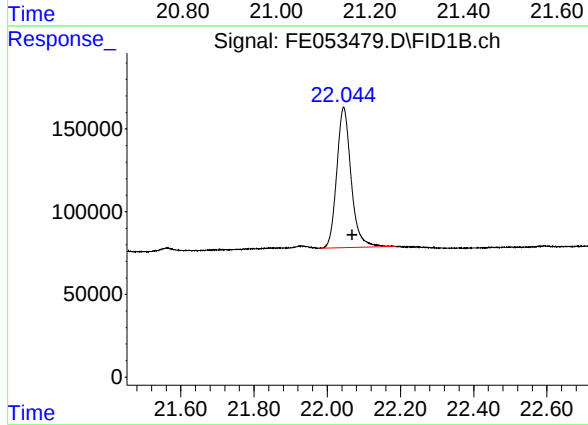
#21 n-Octatriacontane (C38)

R.T.: 21.137 min
Delta R.T.: -0.018 min
Response: 2373370
Conc: 19.48 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.045 min
Delta R.T.: -0.024 min
Response: 2308847
Conc: 19.33 ug/ml