

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE052025AL\
 Data File : FE053930.D
 Signal(s) : FID1B.ch
 Acq On : 20 May 2025 18:49
 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 05/21/2025
 Supervised By :mohammad ahmed 05/22/2025

Integration File: autoint1.e
 Quant Time: May 21 00:41:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051425.M
 Quant Title : GC Extractables
 QLast Update : Wed May 14 12:15:41 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)	11.844	3211515	19.762 ug/ml
Spiked Amount 50.000		Recovery =	39.52%
12) S 1-chlorooctadecane (S...	13.289	2372827	20.016 ug/ml
Spiked Amount 50.000		Recovery =	40.03%
Target Compounds			
1) T n-Nonane (C9)	3.194	2562408	18.959 ug/ml
2) T n-Decane (C10)	4.456	2584782	19.128 ug/ml
3) T A~Naphthalene (C11.7)	6.169	2782247	19.360 ug/ml
4) T n-Dodecane (C12)	6.636	2620213	19.209 ug/ml
5) T A~2-methylnaphthalene...	7.270	2774944	20.006 ug/mlm
6) T n-Tetradecane (C14)	8.471	2617984	19.400 ug/ml
7) T n-Hexadecane (C16)	10.083	2645704	19.607 ug/ml
8) T n-Octadecane (C18)	11.530	2647938	19.664 ug/ml
10) T n-Eicosane (C20)	12.844	2606316	19.831 ug/ml
11) T n-Heneicosane (C21)	13.457	2579909	19.900 ug/ml
13) T n-Docosane (C22)	14.045	2543447	19.937 ug/ml
14) T n-Tetracosane (C24)	15.150	2510636	20.066 ug/ml
15) T n-Hexacosane (C26)	16.172	2458626	20.078 ug/ml
16) T n-Octacosane (C28)	17.124	2441935	20.088 ug/ml
17) T n-Tricontane (C30)	18.013	2522379	20.250 ug/ml
18) T n-Dotriacontane (C32)	18.847	2546376	20.362 ug/ml
19) T n-Tetratriacontane (C34)	19.632	2418837	20.306 ug/ml
20) T n-Hexatriacontane (C36)	20.374	2360259	20.384 ug/ml
21) T n-Octatriacontane (C38)	21.104	2265540	20.818 ug/ml
22) T n-Tetracontane (C40)	21.997	2179027	21.959 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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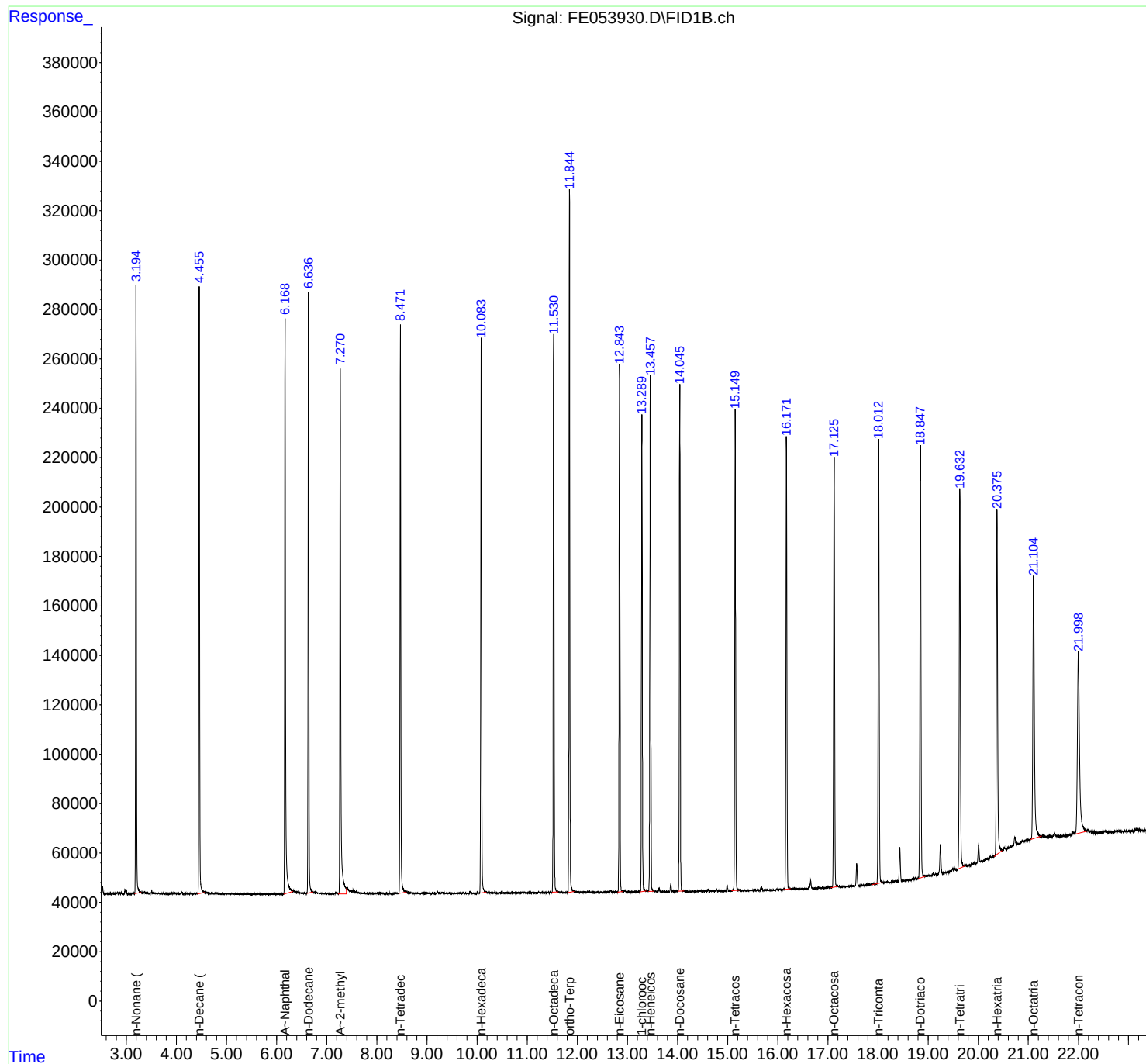
Instrument :
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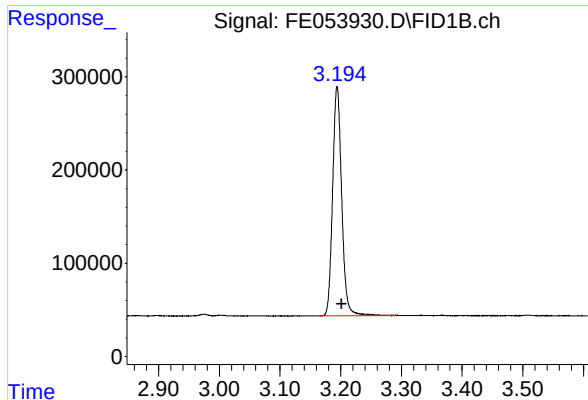
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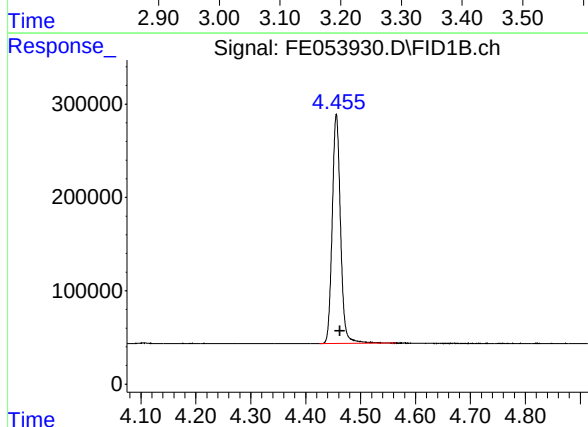
#1 n-Nonane (C9)

R.T.: 3.194 min
Delta R.T.: -0.008 min
Response: 2562408
Conc: 18.96 ug/ml

Instrument :
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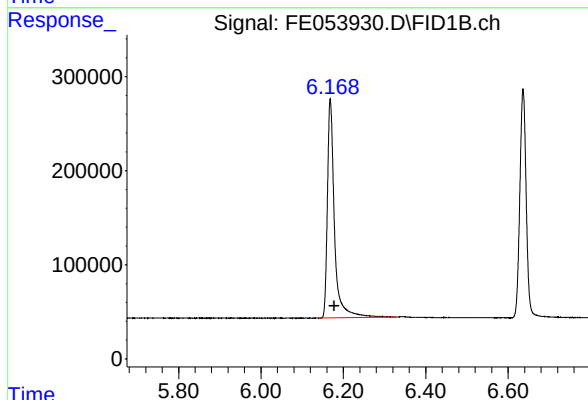
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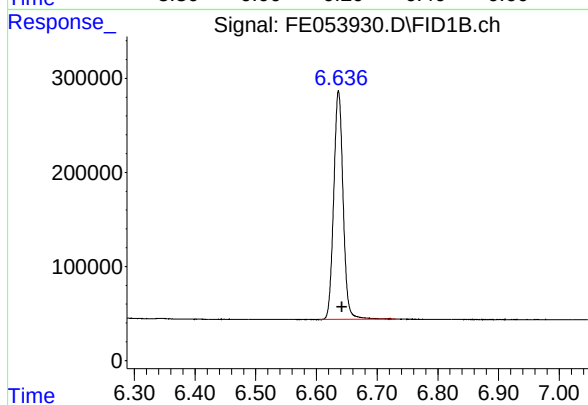
#2 n-Decane (C10)

R.T.: 4.456 min
Delta R.T.: -0.006 min
Response: 2584782
Conc: 19.13 ug/ml



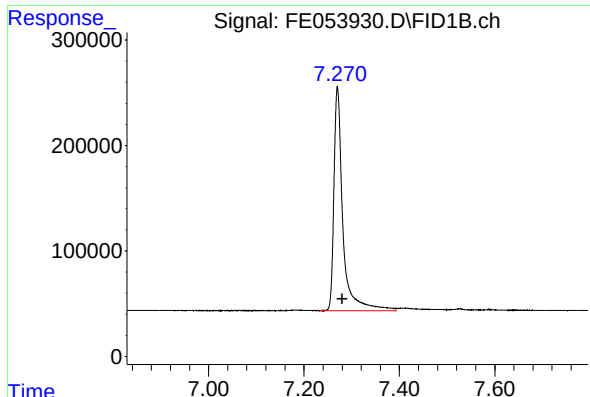
#3 A~Naphthalene (C11.7)

R.T.: 6.169 min
Delta R.T.: -0.010 min
Response: 2782247
Conc: 19.36 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.636 min
Delta R.T.: -0.006 min
Response: 2620213
Conc: 19.21 ug/ml



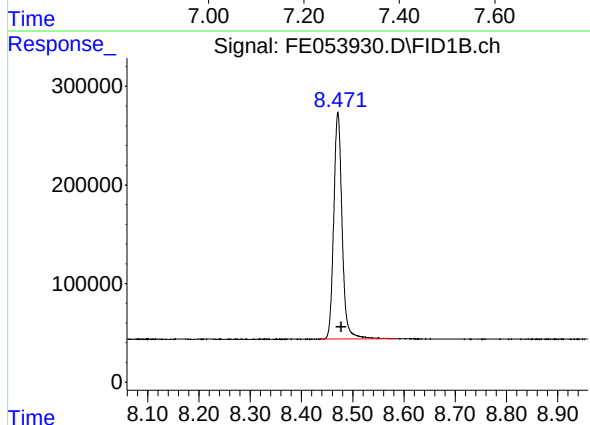
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.270 min
Delta R.T.: -0.011 min
Response: 2774944
Conc: 20.01 ug/ml

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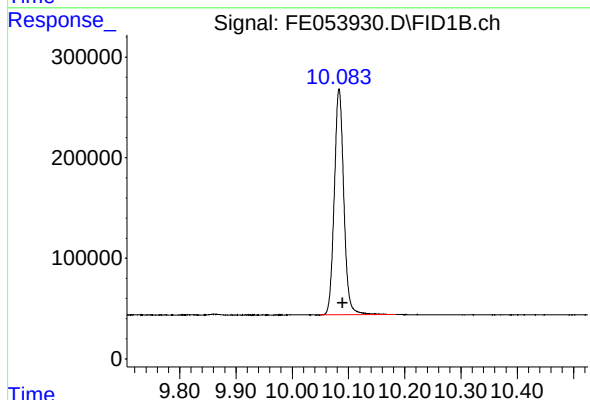
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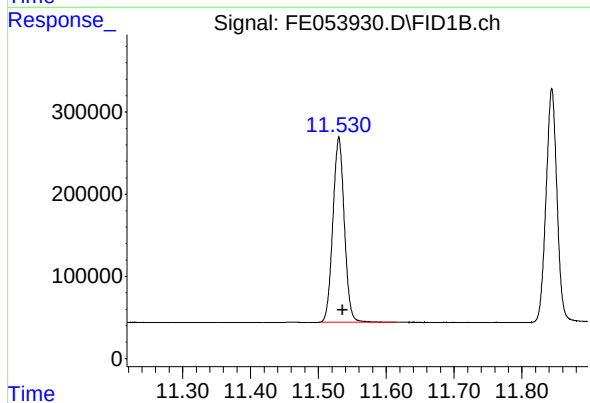
#6 n-Tetradecane (C14)

R.T.: 8.471 min
Delta R.T.: -0.006 min
Response: 2617984
Conc: 19.40 ug/ml



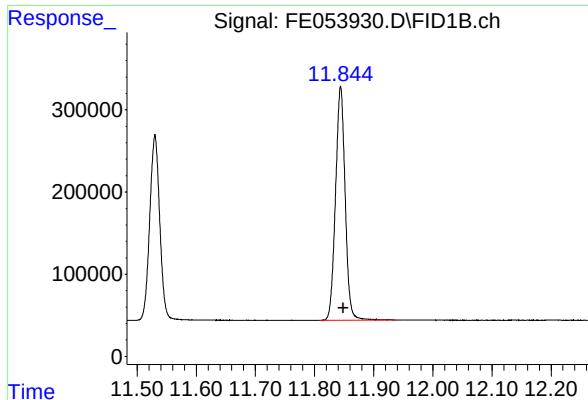
#7 n-Hexadecane (C16)

R.T.: 10.083 min
Delta R.T.: -0.006 min
Response: 2645704
Conc: 19.61 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.530 min
Delta R.T.: -0.006 min
Response: 2647938
Conc: 19.66 ug/ml



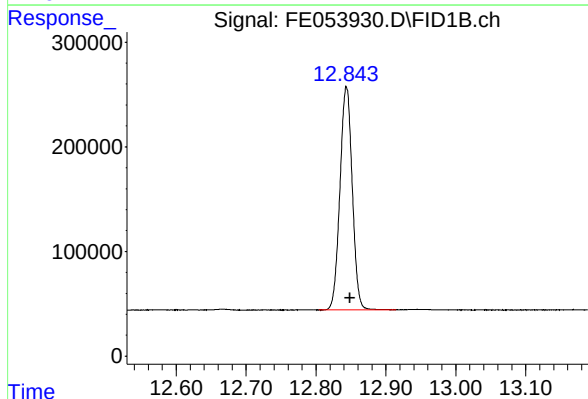
#9 ortho-Terphenyl (SURR)

R.T.: 11.844 min
Delta R.T.: -0.004 min
Response: 3211515
Conc: 19.76 ug/ml

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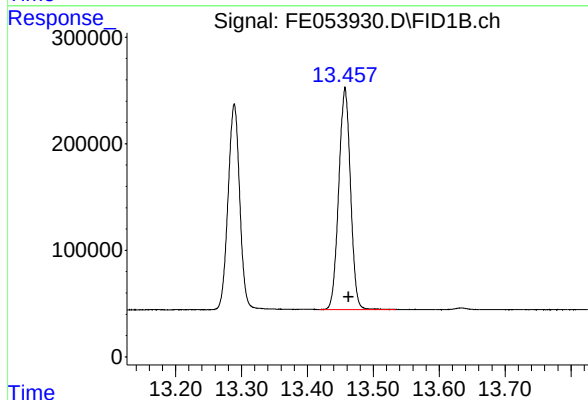
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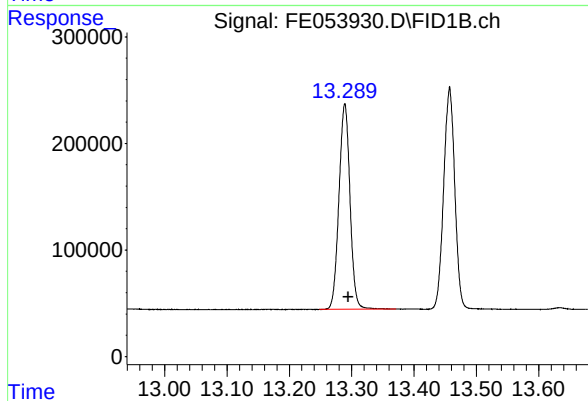
#10 n-Eicosane (C20)

R.T.: 12.844 min
Delta R.T.: -0.005 min
Response: 2606316
Conc: 19.83 ug/ml



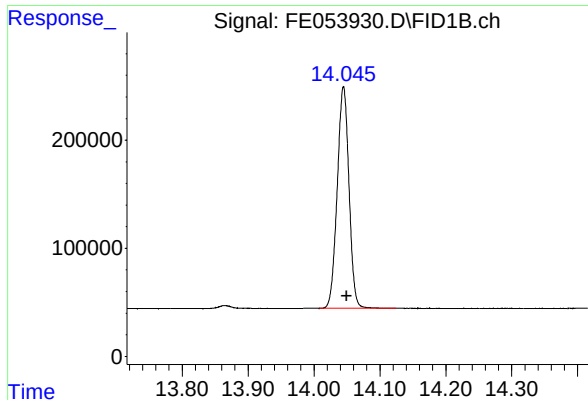
#11 n-Heneicosane (C21)

R.T.: 13.457 min
Delta R.T.: -0.005 min
Response: 2579909
Conc: 19.90 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.289 min
Delta R.T.: -0.006 min
Response: 2372827
Conc: 20.02 ug/ml



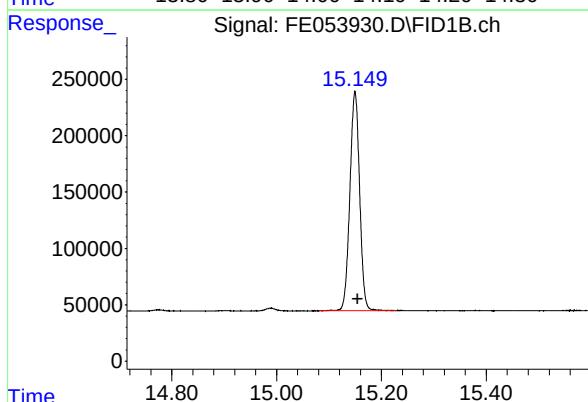
#13 n-Docosane (C22)

R.T.: 14.045 min
Delta R.T.: -0.005 min
Response: 2543447
Conc: 19.94 ug/ml

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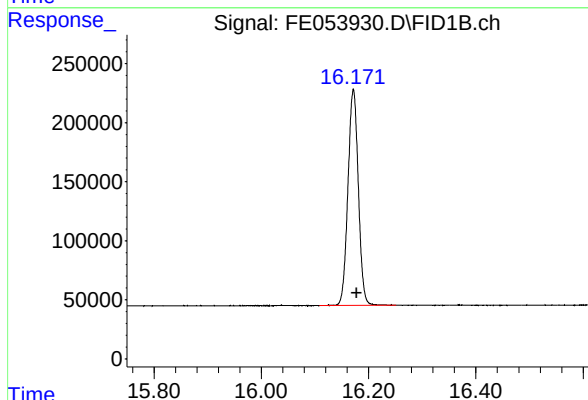
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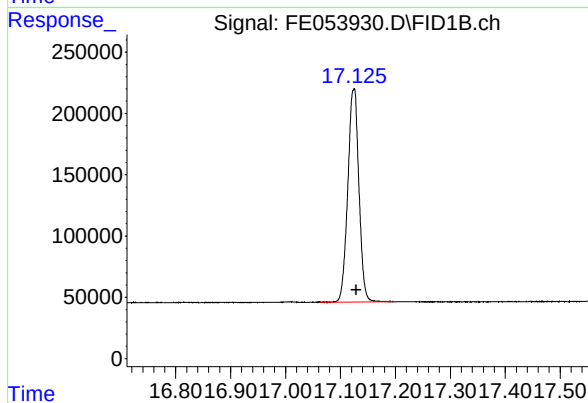
#14 n-Tetracosane (C24)

R.T.: 15.150 min
Delta R.T.: -0.005 min
Response: 2510636
Conc: 20.07 ug/ml



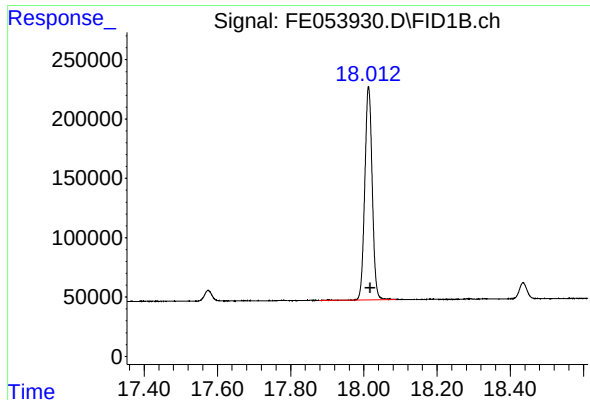
#15 n-Hexacosane (C26)

R.T.: 16.172 min
Delta R.T.: -0.006 min
Response: 2458626
Conc: 20.08 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.124 min
Delta R.T.: -0.005 min
Response: 2441935
Conc: 20.09 ug/ml



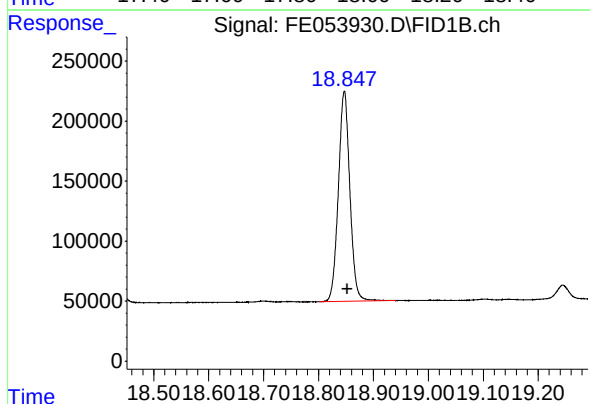
#17 n-Tricontane (C30)

R.T.: 18.013 min
Delta R.T.: -0.005 min
Response: 2522379
Conc: 20.25 ug/ml

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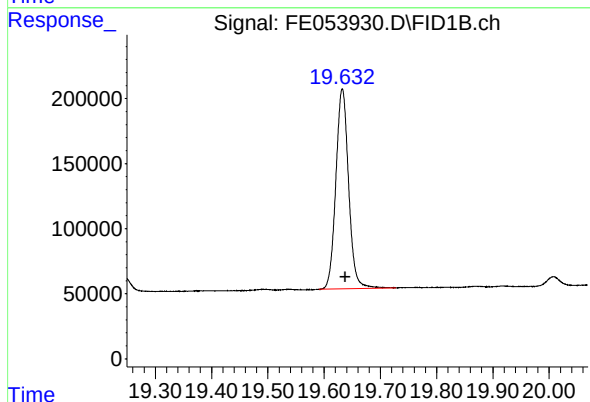
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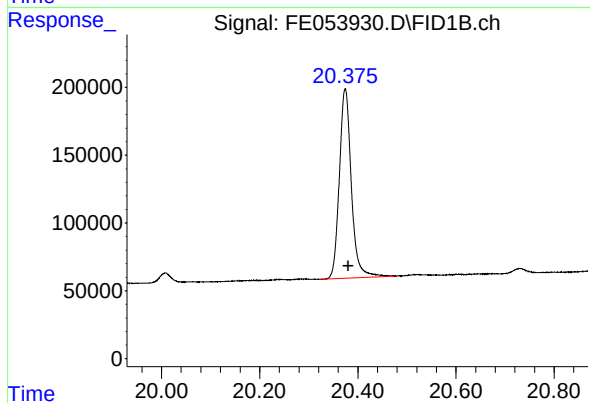
#18 n-Dotriacontane (C32)

R.T.: 18.847 min
Delta R.T.: -0.005 min
Response: 2546376
Conc: 20.36 ug/ml



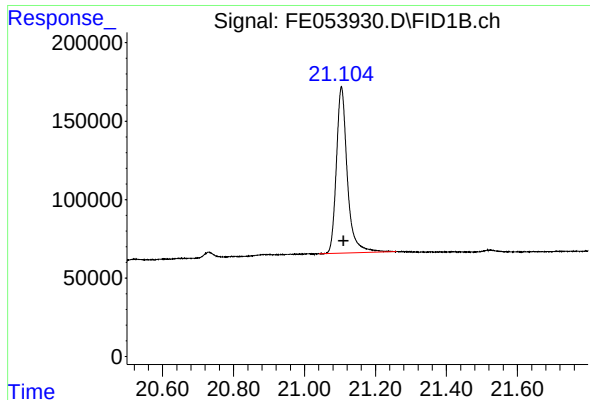
#19 n-Tetatriacontane (C34)

R.T.: 19.632 min
Delta R.T.: -0.005 min
Response: 2418837
Conc: 20.31 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.374 min
Delta R.T.: -0.006 min
Response: 2360259
Conc: 20.38 ug/ml



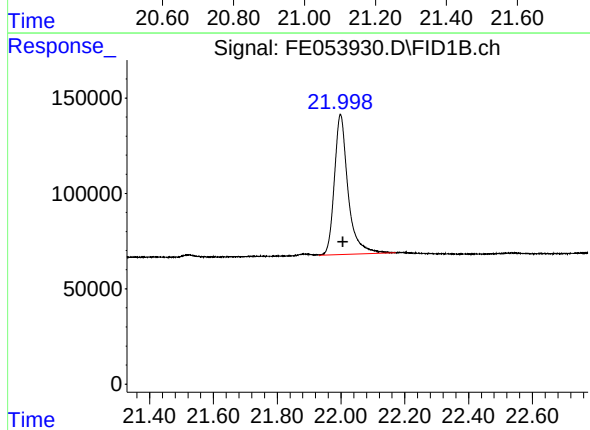
#21 n-Octatriacontane (C38)

R.T.: 21.104 min
Delta R.T.: -0.007 min
Response: 2265540
Conc: 20.82 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.997 min
Delta R.T.: -0.009 min
Response: 2179027
Conc: 21.96 ug/ml m