

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE052325AL\
 Data File : FE053989.D
 Signal(s) : FID1B.ch
 Acq On : 23 May 2025 08:23
 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 05/27/2025
 Supervised By :mohammad ahmed 05/29/2025

Integration File: autoint1.e
 Quant Time: May 23 22:55:41 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)	11.843	3141746	19.332 ug/ml
Spiked Amount 50.000		Recovery =	38.66%
12) S 1-chlorooctadecane (S...	13.288	2312177	19.504 ug/ml
Spiked Amount 50.000		Recovery =	39.01%
Target Compounds			
1) T n-Nonane (C9)	3.193	2509125	18.565 ug/ml
2) T n-Decane (C10)	4.454	2540318	18.799 ug/ml
3) T A~Naphthalene (C11.7)	6.168	2706332	18.831 ug/ml
4) T n-Dodecane (C12)	6.635	2586226	18.960 ug/ml
5) T A~2-methylnaphthalene...	7.269	2702454	19.483 ug/mlm
6) T n-Tetradecane (C14)	8.471	2584466	19.151 ug/ml
7) T n-Hexadecane (C16)	10.083	2609764	19.341 ug/ml
8) T n-Octadecane (C18)	11.530	2602108	19.324 ug/ml
10) T n-Eicosane (C20)	12.843	2550550	19.406 ug/ml
11) T n-Heneicosane (C21)	13.457	2515461	19.403 ug/ml
13) T n-Docosane (C22)	14.044	2506778	19.649 ug/mlm
14) T n-Tetracosane (C24)	15.150	2500917	19.989 ug/ml
15) T n-Hexacosane (C26)	16.173	2463822	20.121 ug/ml
16) T n-Octacosane (C28)	17.124	2470265	20.321 ug/ml
17) T n-Tricontane (C30)	18.013	2590776	20.799 ug/mlm
18) T n-Dotriacontane (C32)	18.848	2611931	20.886 ug/ml
19) T n-Tetratriacontane (C34)	19.633	2477942	20.802 ug/ml
20) T n-Hexatriacontane (C36)	20.376	2434296	21.024 ug/ml
21) T n-Octatriacontane (C38)	21.105	2293661	21.076 ug/ml
22) T n-Tetracontane (C40)	22.001	2253092	22.706 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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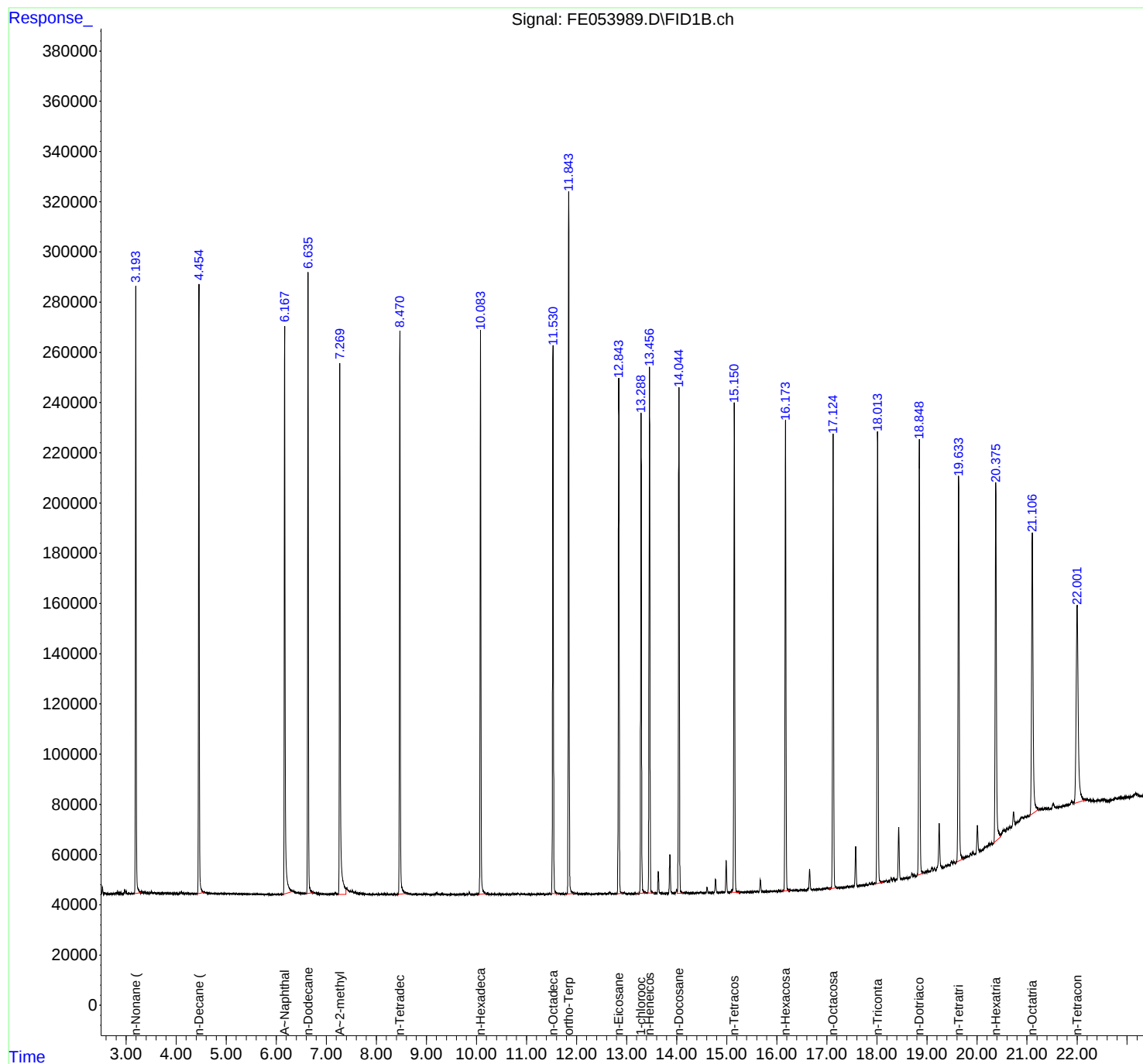
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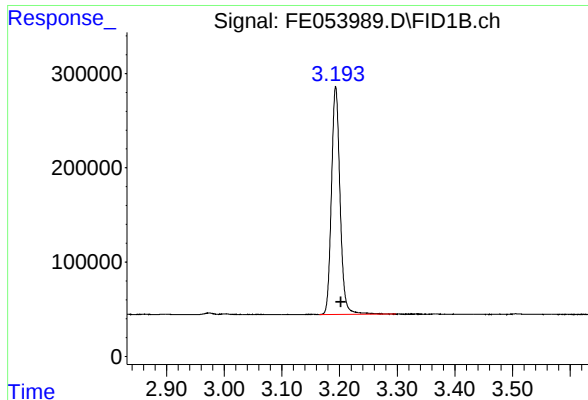
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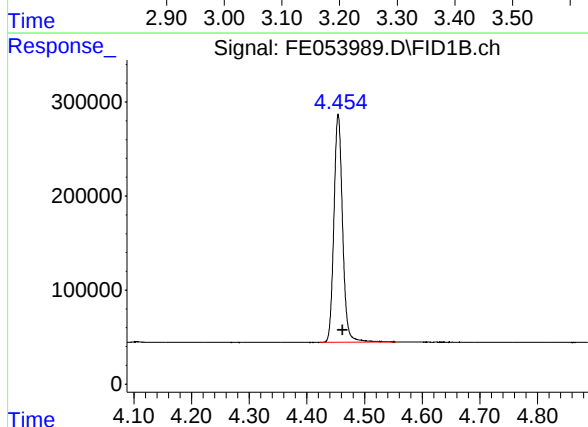
#1 n-Nonane (C9)

R.T.: 3.193 min
Delta R.T.: -0.009 min
Response: 2509125
Conc: 18.57 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

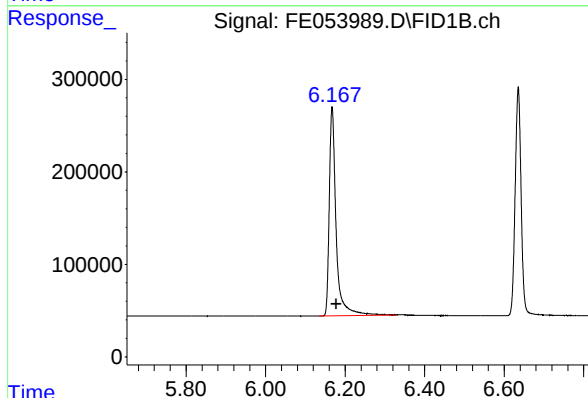
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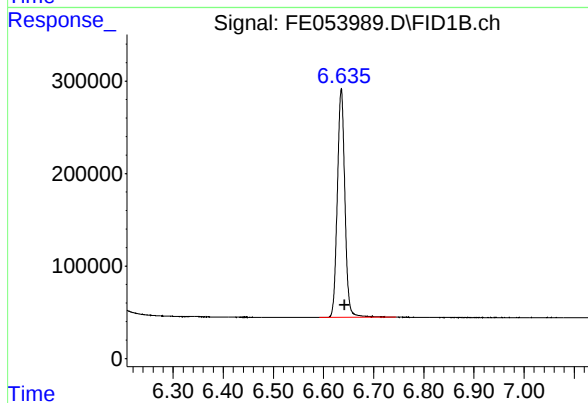
#2 n-Decane (C10)

R.T.: 4.454 min
Delta R.T.: -0.008 min
Response: 2540318
Conc: 18.80 ug/ml



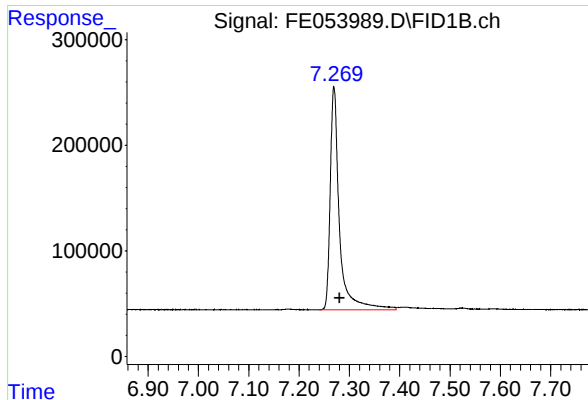
#3 A~Naphthalene (C11.7)

R.T.: 6.168 min
Delta R.T.: -0.011 min
Response: 2706332
Conc: 18.83 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.635 min
Delta R.T.: -0.007 min
Response: 2586226
Conc: 18.96 ug/ml



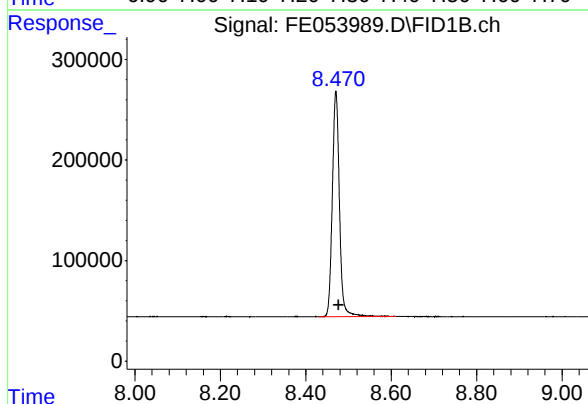
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.269 min
Delta R.T.: -0.012 min
Response: 2702454
Conc: 19.48 ug/ml

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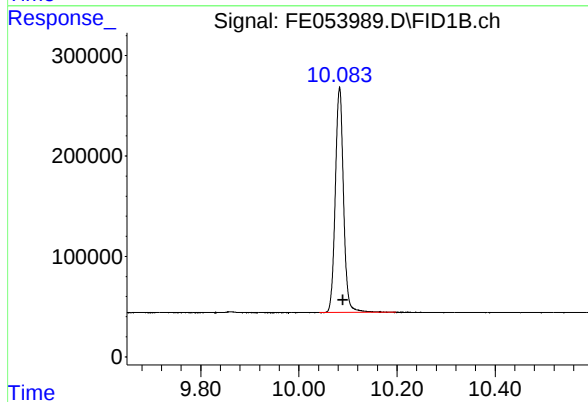
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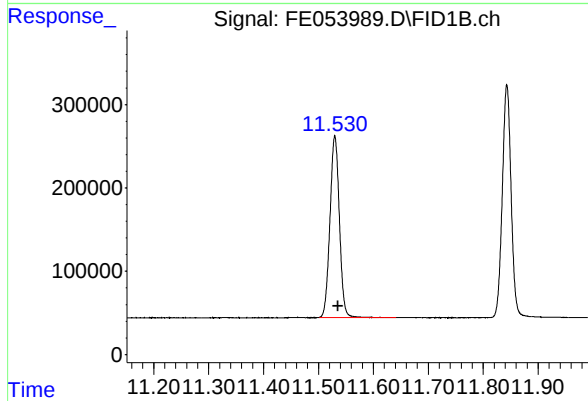
#6 n-Tetradecane (C14)

R.T.: 8.471 min
Delta R.T.: -0.007 min
Response: 2584466
Conc: 19.15 ug/ml



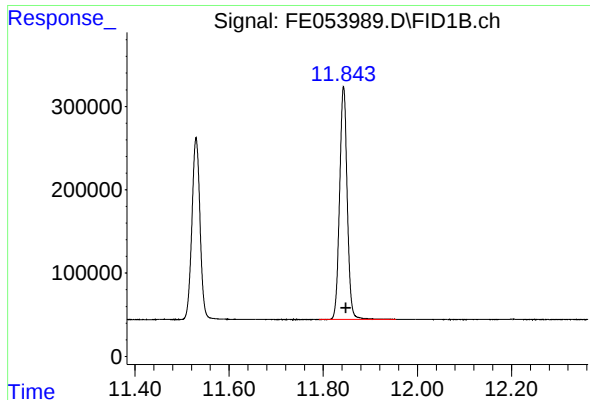
#7 n-Hexadecane (C16)

R.T.: 10.083 min
Delta R.T.: -0.007 min
Response: 2609764
Conc: 19.34 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.530 min
Delta R.T.: -0.006 min
Response: 2602108
Conc: 19.32 ug/ml



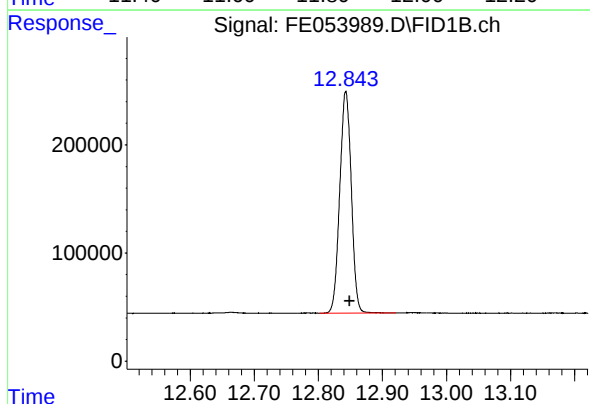
#9 ortho-Terphenyl (SURR)

R.T.: 11.843 min
Delta R.T.: -0.005 min
Response: 3141746
Conc: 19.33 ug/ml

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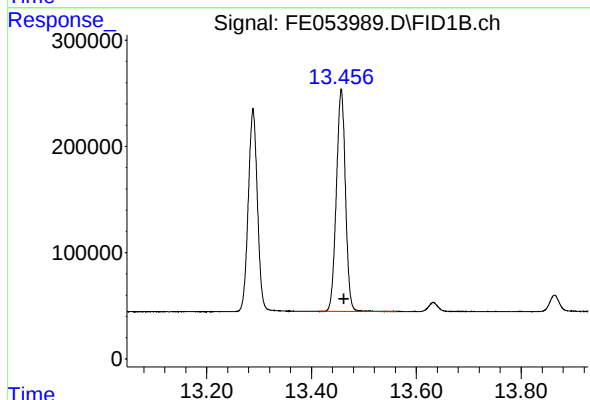
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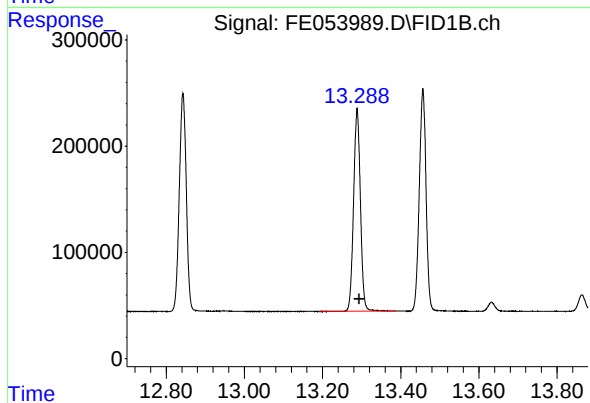
#10 n-Eicosane (C20)

R.T.: 12.843 min
Delta R.T.: -0.006 min
Response: 2550550
Conc: 19.41 ug/ml



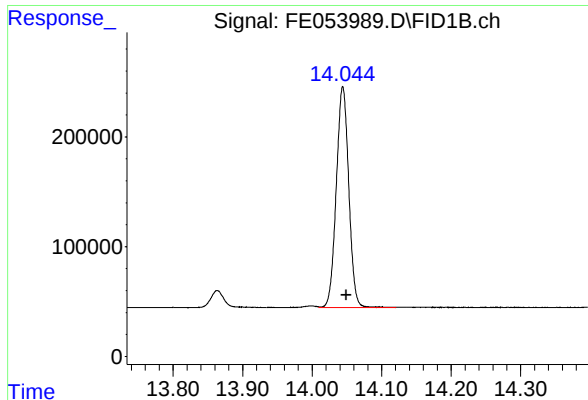
#11 n-Heneicosane (C21)

R.T.: 13.457 min
Delta R.T.: -0.006 min
Response: 2515461
Conc: 19.40 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.288 min
Delta R.T.: -0.006 min
Response: 2312177
Conc: 19.50 ug/ml



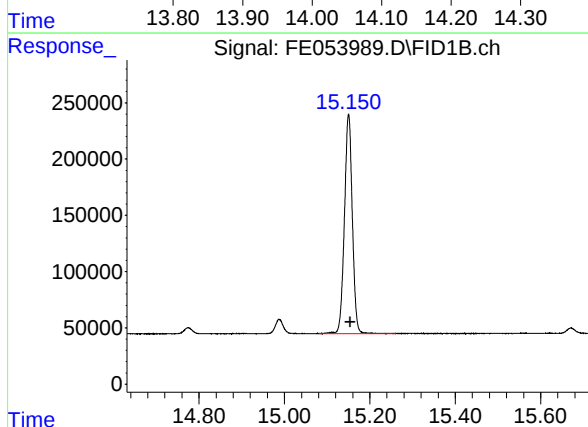
#13 n-Docosane (C22)

R.T.: 14.044 min
Delta R.T.: -0.006 min
Response: 2506778
Conc: 19.65 ug/ml

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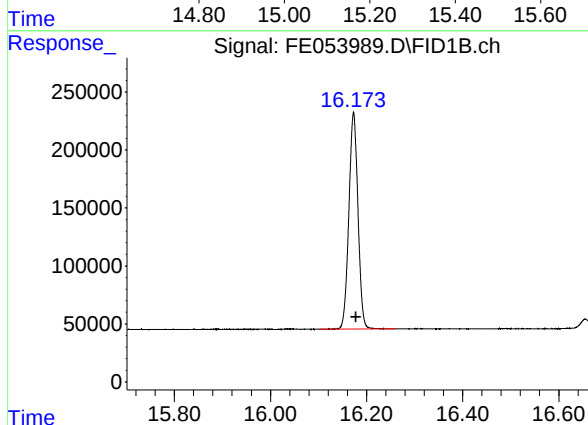
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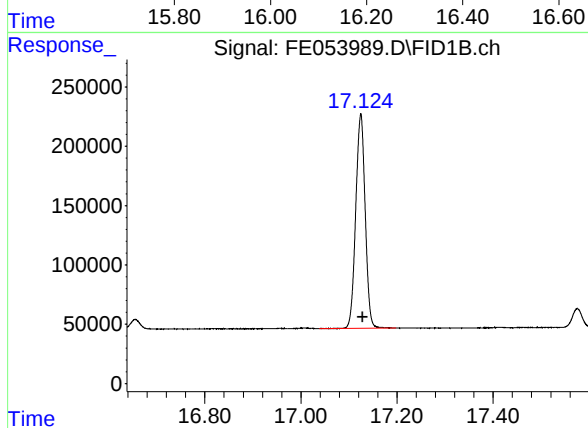
#14 n-Tetracosane (C24)

R.T.: 15.150 min
Delta R.T.: -0.005 min
Response: 2500917
Conc: 19.99 ug/ml



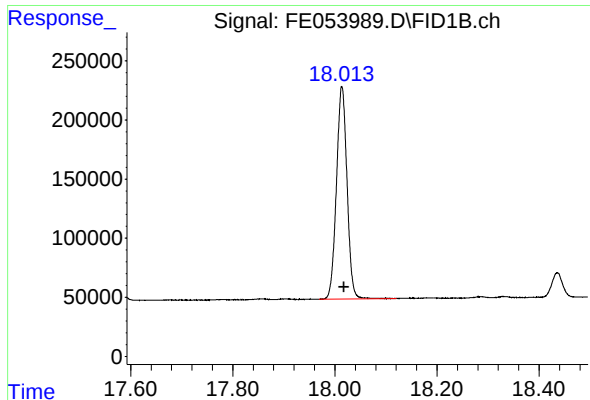
#15 n-Hexacosane (C26)

R.T.: 16.173 min
Delta R.T.: -0.005 min
Response: 2463822
Conc: 20.12 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.124 min
Delta R.T.: -0.004 min
Response: 2470265
Conc: 20.32 ug/ml



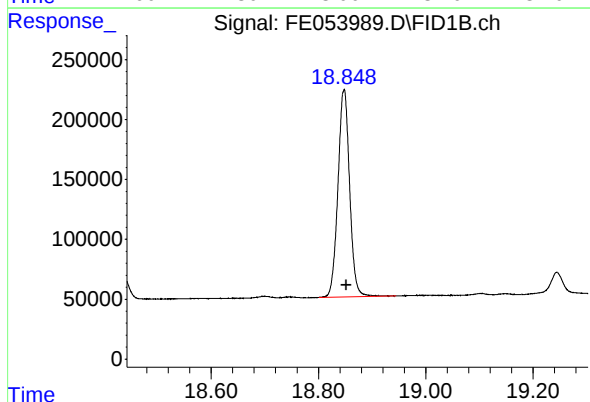
#17 n-Tricontane (C30)

R.T.: 18.013 min
Delta R.T.: -0.005 min
Response: 2590776
Conc: 20.80 ug/ml

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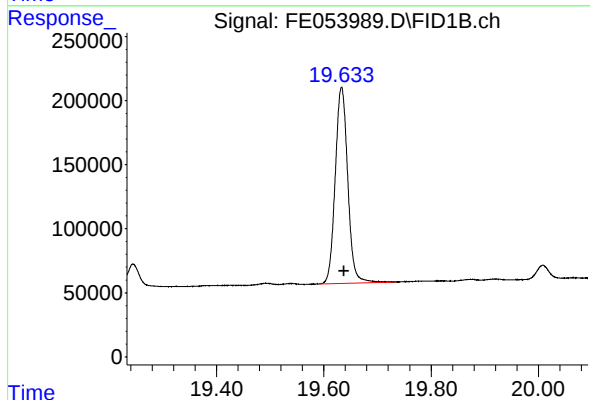
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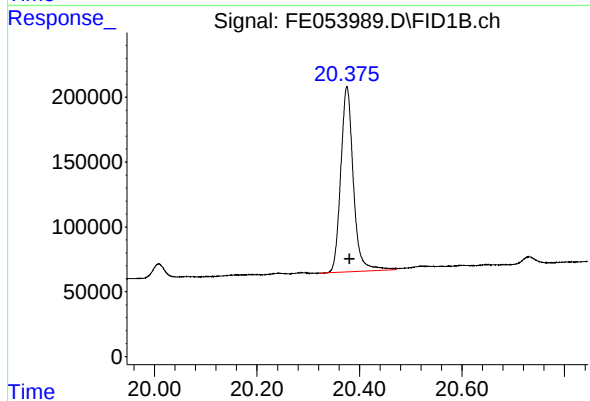
#18 n-Dotriacontane (C32)

R.T.: 18.848 min
Delta R.T.: -0.005 min
Response: 2611931
Conc: 20.89 ug/ml



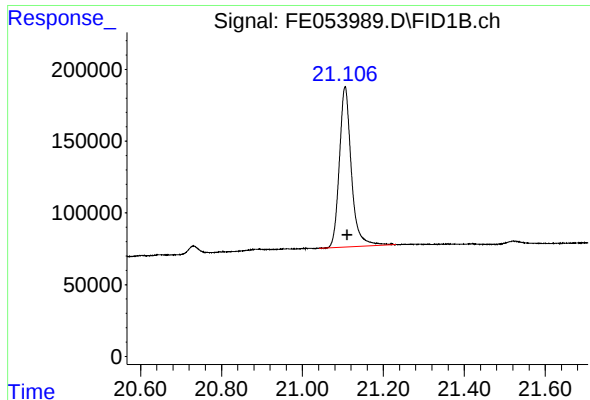
#19 n-Tetratriacontane (C34)

R.T.: 19.633 min
Delta R.T.: -0.005 min
Response: 2477942
Conc: 20.80 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.376 min
Delta R.T.: -0.005 min
Response: 2434296
Conc: 21.02 ug/ml



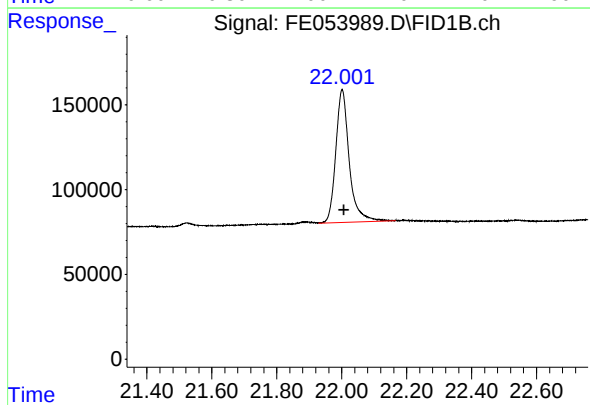
#21 n-Octatriacontane (C38)

R.T.: 21.105 min
Delta R.T.: -0.005 min
Response: 2293661
Conc: 21.08 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.001 min
Delta R.T.: -0.006 min
Response: 2253092
Conc: 22.71 ug/ml m