

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE010625AL\
 Data File : FE051839.D
 Signal(s) : FID1B.ch
 Acq On : 06 Jan 2025 11:35
 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 01/07/2025
 Supervised By :Ankita Jodhani 01/07/2025

Integration File: autoint1.e
 Quant Time: Jan 07 00:26:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 010225.M
 Quant Title : GC Extractables
 QLast Update : Fri Jan 03 04:14:12 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)	12.106	2887097	19.918 ug/ml
Spiked Amount 50.000		Recovery =	39.84%
12) S 1-chlorooctadecane (S...	13.537	2297543	19.994 ug/ml
Spiked Amount 50.000		Recovery =	39.99%
Target Compounds			
1) T n-Nonane (C9)	3.511	2169180	19.639 ug/ml
2) T n-Decane (C10)	4.754	2243167	19.713 ug/ml
3) T A~Naphthalene (C11.7)	6.457	2523100	19.783 ug/ml
4) T n-Dodecane (C12)	6.908	2316972	19.730 ug/ml
5) T A~2-methylnaphthalene...	7.548	2488821	19.886 ug/ml
6) T n-Tetradecane (C14)	8.733	2372523	19.788 ug/ml
7) T n-Hexadecane (C16)	10.338	2538401	19.836 ug/ml
8) T n-Octadecane (C18)	11.781	2660504	19.994 ug/ml
10) T n-Eicosane (C20)	13.091	2654257	20.173 ug/ml
11) T n-Heneicosane (C21)	13.703	2650284	20.166 ug/ml
13) T n-Docosane (C22)	14.290	2686505	20.478 ug/ml
14) T n-Tetracosane (C24)	15.392	2761698	20.850 ug/ml
15) T n-Hexacosane (C26)	16.412	2749985	20.958 ug/ml
16) T n-Octacosane (C28)	17.362	2727728	21.126 ug/ml
17) T n-Tricontane (C30)	18.250	2783634	21.175 ug/ml
18) T n-Dotriacontane (C32)	19.083	2684515	21.153 ug/ml
19) T n-Tetratriacontane (C34)	19.866	2261996	20.358 ug/ml
20) T n-Hexatriacontane (C36)	20.604	1919989	19.461 ug/ml
21) T n-Octatriacontane (C38)	21.386	1729235	18.264 ug/ml
22) T n-Tetracontane (C40)	22.374	1735435	18.853 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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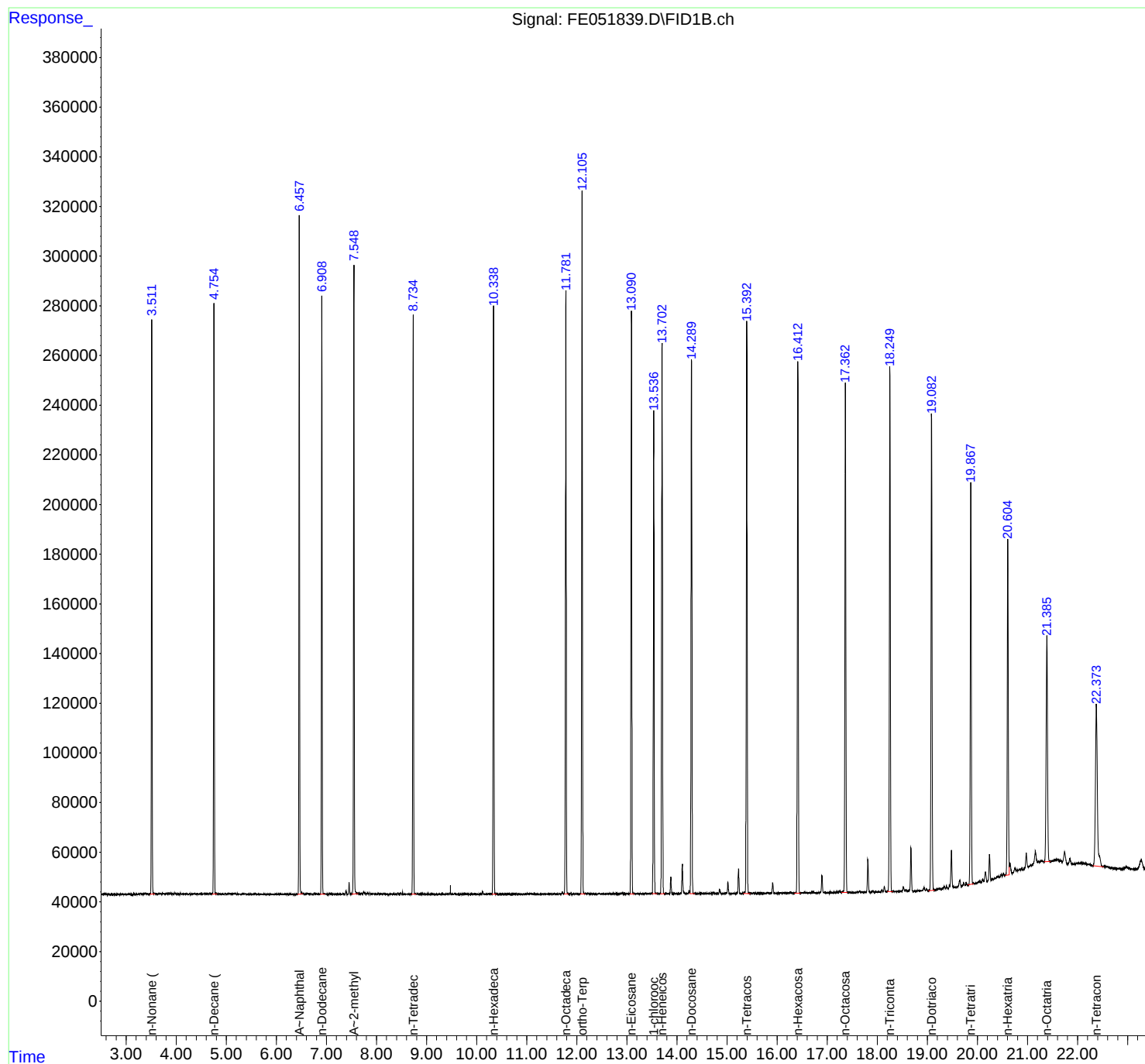
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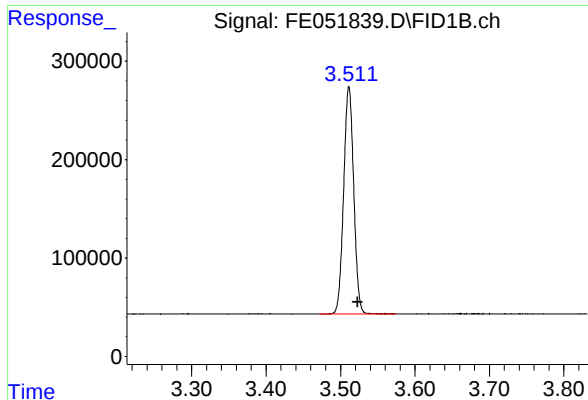
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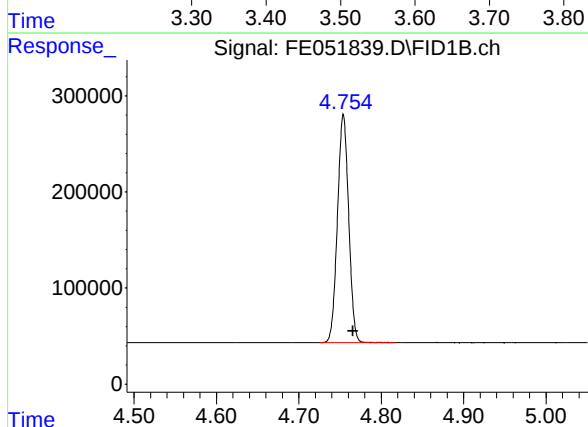
#1 n-Nonane (C9)

R.T.: 3.511 min
Delta R.T.: -0.012 min
Response: 2169180
Conc: 19.64 ug/ml

Instrument : FID_E
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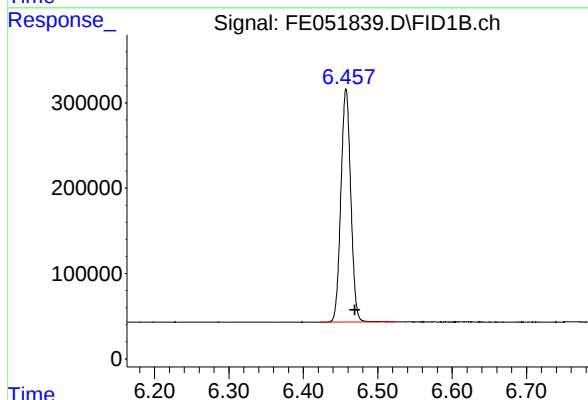
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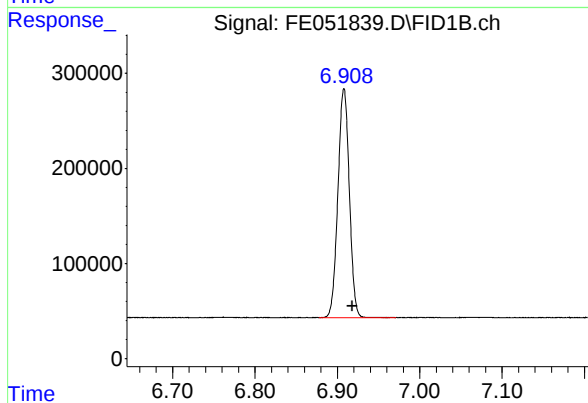
#2 n-Decane (C10)

R.T.: 4.754 min
Delta R.T.: -0.012 min
Response: 2243167
Conc: 19.71 ug/ml



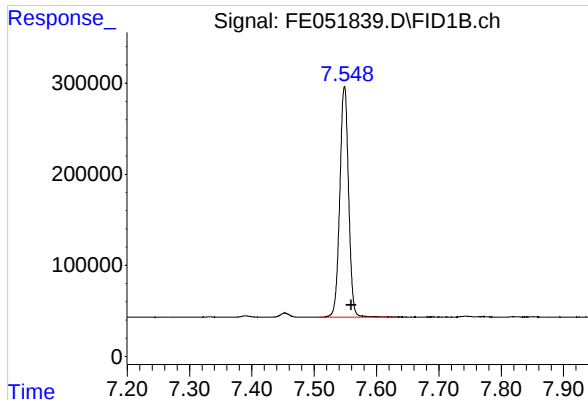
#3 A~Naphthalene (C11.7)

R.T.: 6.457 min
Delta R.T.: -0.012 min
Response: 2523100
Conc: 19.78 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.908 min
Delta R.T.: -0.010 min
Response: 2316972
Conc: 19.73 ug/ml



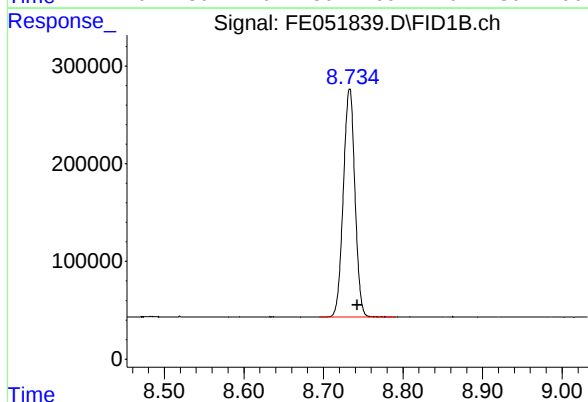
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.548 min
Delta R.T.: -0.011 min
Response: 2488821
Conc: 19.89 ug/ml

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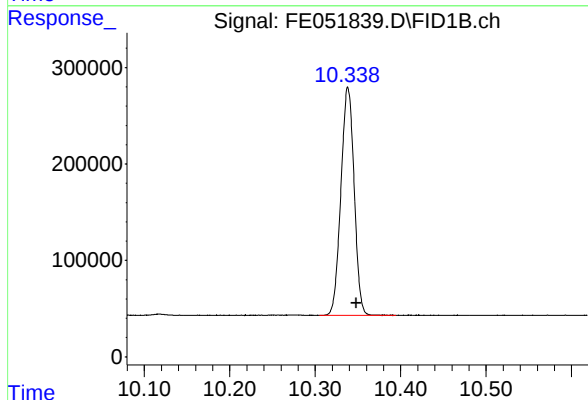
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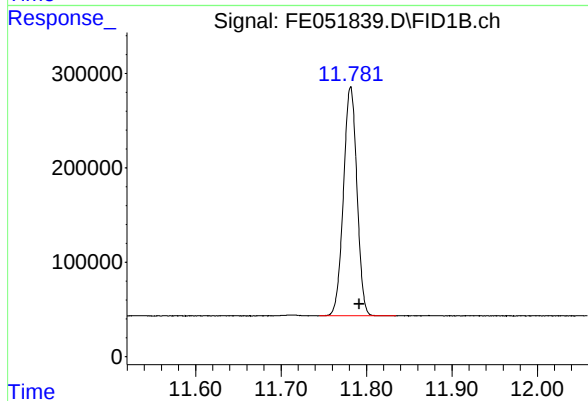
#6 n-Tetradecane (C14)

R.T.: 8.733 min
Delta R.T.: -0.010 min
Response: 2372523
Conc: 19.79 ug/ml



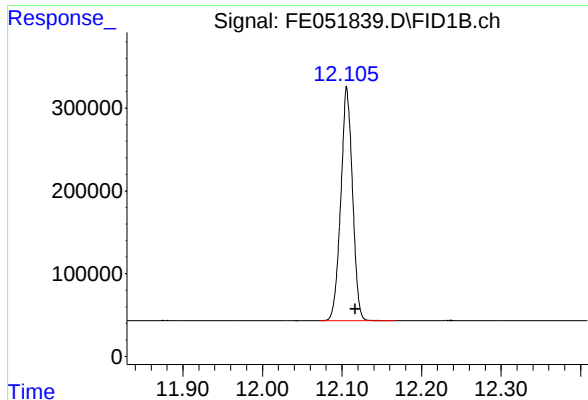
#7 n-Hexadecane (C16)

R.T.: 10.338 min
Delta R.T.: -0.010 min
Response: 2538401
Conc: 19.84 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.781 min
Delta R.T.: -0.010 min
Response: 2660504
Conc: 19.99 ug/ml



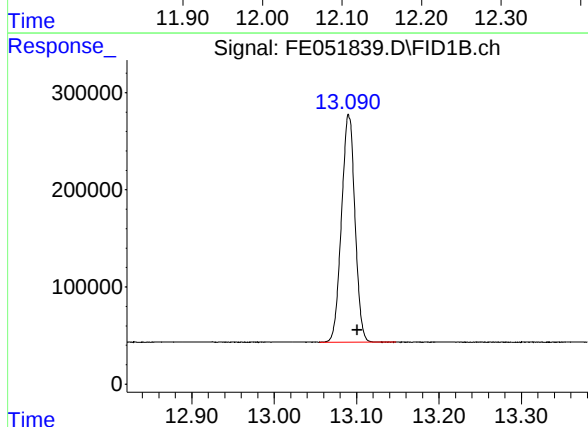
#9 ortho-Terphenyl (SURR)

R.T.: 12.106 min
Delta R.T.: -0.011 min
Response: 2887097
Conc: 19.92 ug/ml

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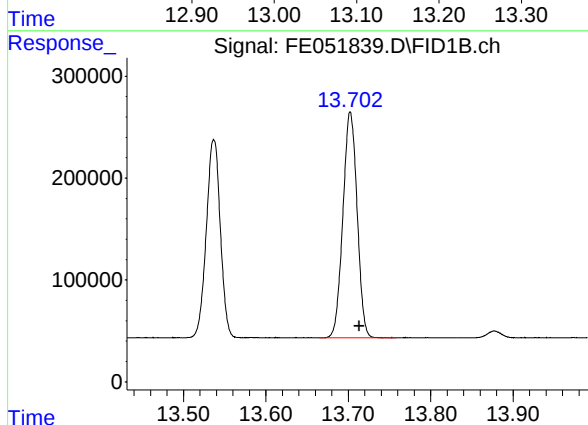
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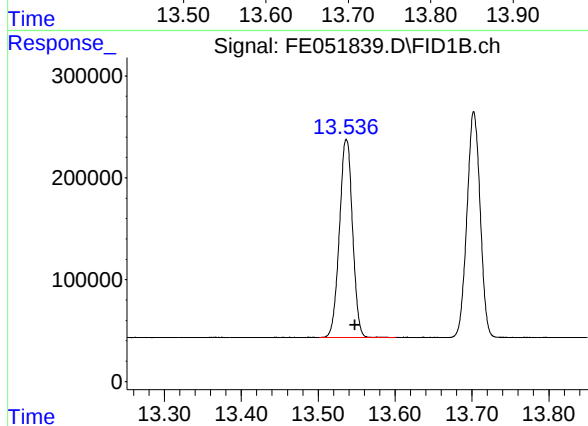
#10 n-Eicosane (C20)

R.T.: 13.091 min
Delta R.T.: -0.010 min
Response: 2654257
Conc: 20.17 ug/ml



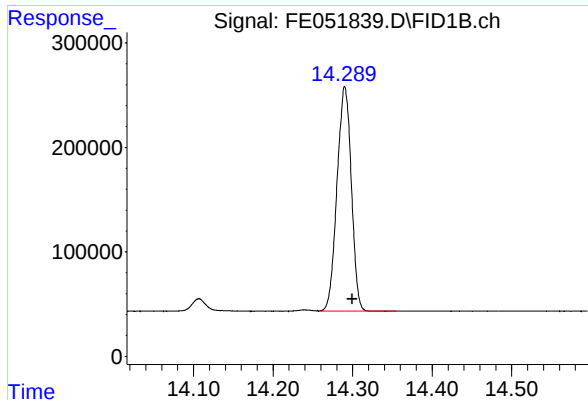
#11 n-Heneicosane (C21)

R.T.: 13.703 min
Delta R.T.: -0.011 min
Response: 2650284
Conc: 20.17 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.537 min
Delta R.T.: -0.011 min
Response: 2297543
Conc: 19.99 ug/ml



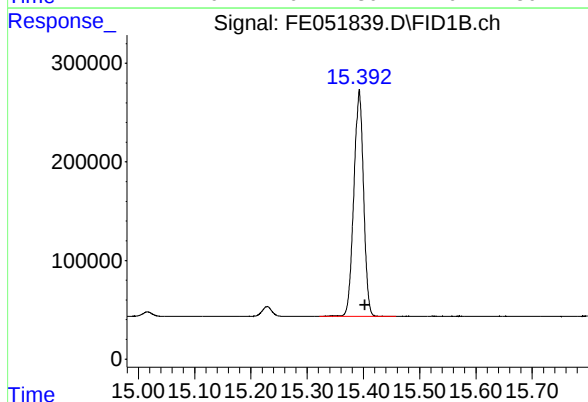
#13 n-Docosane (C22)

R.T.: 14.290 min
Delta R.T.: -0.009 min
Response: 2686505
Conc: 20.48 ug/ml

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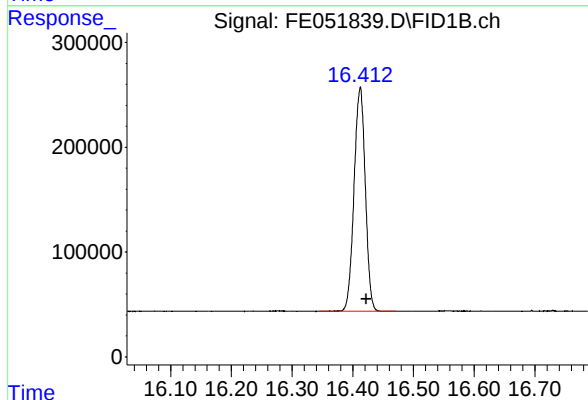
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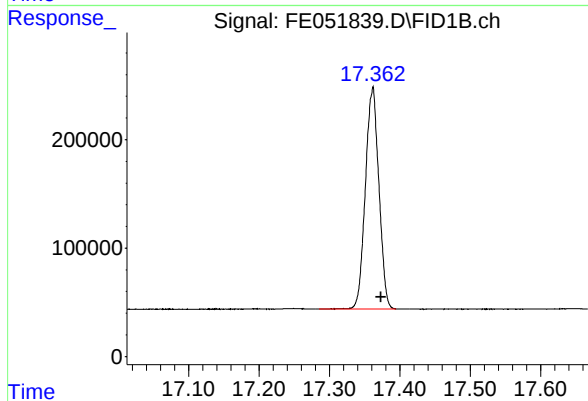
#14 n-Tetracosane (C24)

R.T.: 15.392 min
Delta R.T.: -0.010 min
Response: 2761698
Conc: 20.85 ug/ml



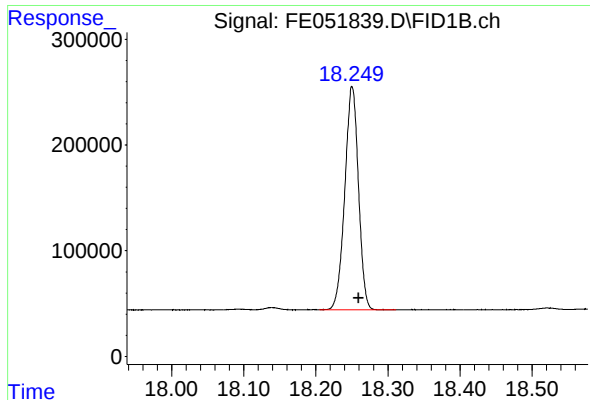
#15 n-Hexacosane (C26)

R.T.: 16.412 min
Delta R.T.: -0.011 min
Response: 2749985
Conc: 20.96 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.362 min
Delta R.T.: -0.011 min
Response: 2727728
Conc: 21.13 ug/ml m



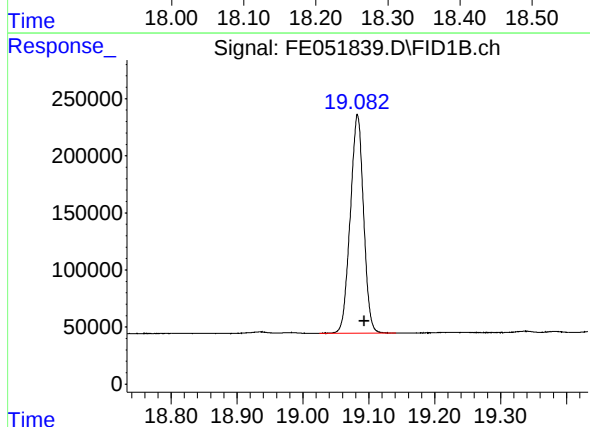
#17 n-Tricontane (C30)

R.T.: 18.250 min
Delta R.T.: -0.009 min
Response: 2783634
Conc: 21.17 ug/ml

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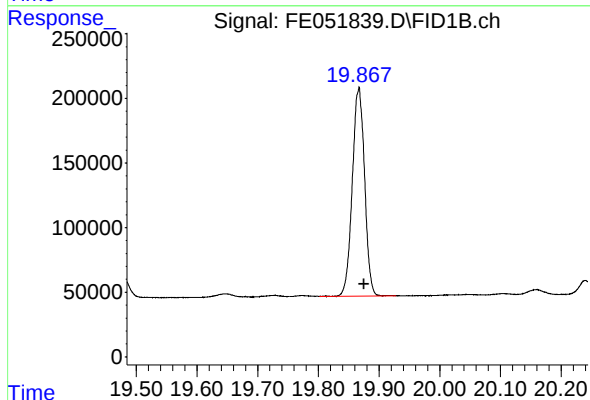
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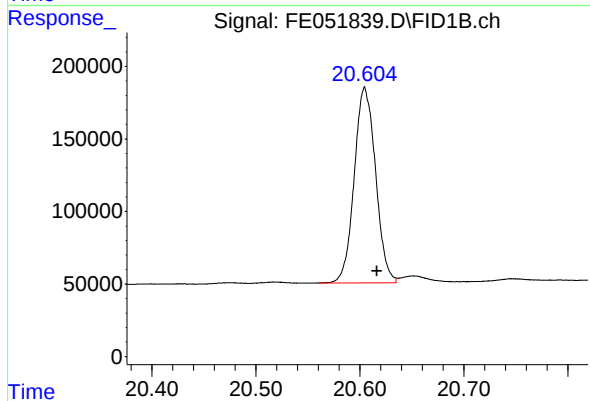
#18 n-Dotriacontane (C32)

R.T.: 19.083 min
Delta R.T.: -0.010 min
Response: 2684515
Conc: 21.15 ug/ml



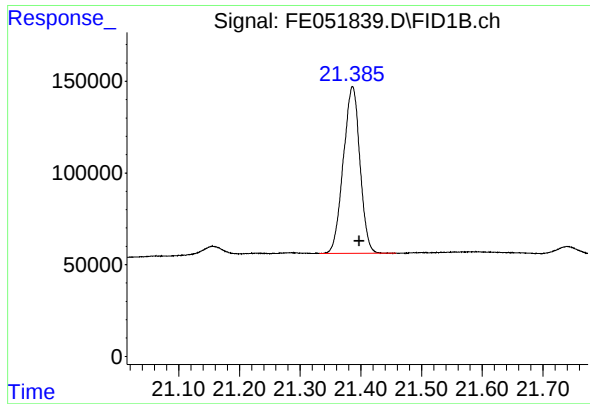
#19 n-Tetatriacontane (C34)

R.T.: 19.866 min
Delta R.T.: -0.009 min
Response: 2261996
Conc: 20.36 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.604 min
Delta R.T.: -0.012 min
Response: 1919989
Conc: 19.46 ug/ml m



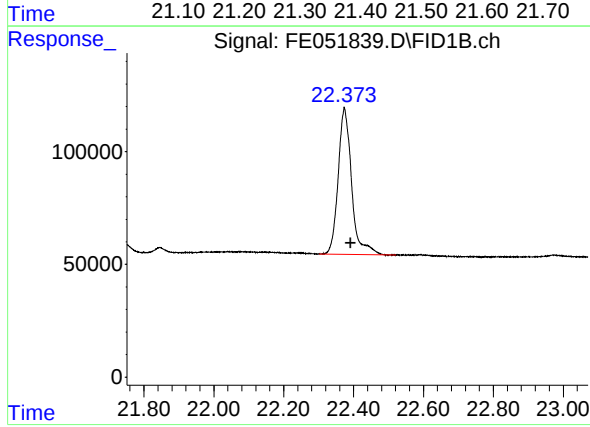
#21 n-Octatriacontane (C38)

R.T.: 21.386 min
Delta R.T.: -0.012 min
Response: 1729235
Conc: 18.26 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.374 min
Delta R.T.: -0.019 min
Response: 1735435
Conc: 18.85 ug/ml