

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101625AL\
 Data File : FE056348.D
 Signal(s) : FID1B.ch
 Acq On : 16 Oct 2025 12:23
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/17/2025
 Supervised By :Sohil Jodhani 10/17/2025

Integration File: autoint1.e
 Quant Time: Oct 16 18:25:04 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 24 12:55:37 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)	12.059	4228549	22.534 ug/ml
Spiked Amount 50.000		Recovery =	45.07%
12) S 1-chlorooctadecane (S...	13.496	2955551	21.177 ug/ml
Spiked Amount 50.000		Recovery =	42.35%
Target Compounds			
1) T n-Nonane (C9)	3.400	2545202	18.579 ug/ml
2) T n-Decane (C10)	4.659	2725957	19.532 ug/ml
3) T A~Naphthalene (C11.7)	6.378	3406753	21.337 ug/ml
4) T n-Dodecane (C12)	6.834	3006412	20.946 ug/ml
5) T A~2-methylnaphthalene...	7.479	3365316	21.639 ug/ml
6) T n-Tetradecane (C14)	8.669	3277384	22.168 ug/ml
7) T n-Hexadecane (C16)	10.284	3652105	22.983 ug/ml
8) T n-Octadecane (C18)	11.733	3904096	23.049 ug/ml
10) T n-Eicosane (C20)	13.048	3762396	22.697 ug/ml
11) T n-Heneicosane (C21)	13.662	3648822	22.456 ug/ml
13) T n-Docosane (C22)	14.250	3554025	22.242 ug/ml
14) T n-Tetracosane (C24)	15.356	3369022	22.109 ug/ml
15) T n-Hexacosane (C26)	16.380	3141502	22.025 ug/ml
16) T n-Octacosane (C28)	17.332	3077171	22.089 ug/ml
17) T n-Tricontane (C30)	18.221	3210888	21.669 ug/ml
18) T n-Dotriacontane (C32)	19.056	3234087	21.676 ug/ml
19) T n-Tetratriacontane (C34)	19.841	3022680	21.369 ug/ml
20) T n-Hexatriacontane (C36)	20.582	2550677	19.870 ug/ml
21) T n-Octatriacontane (C38)	21.355	2135240	16.257 ug/ml
22) T n-Tetracontane (C40)	22.331	1795602	15.093 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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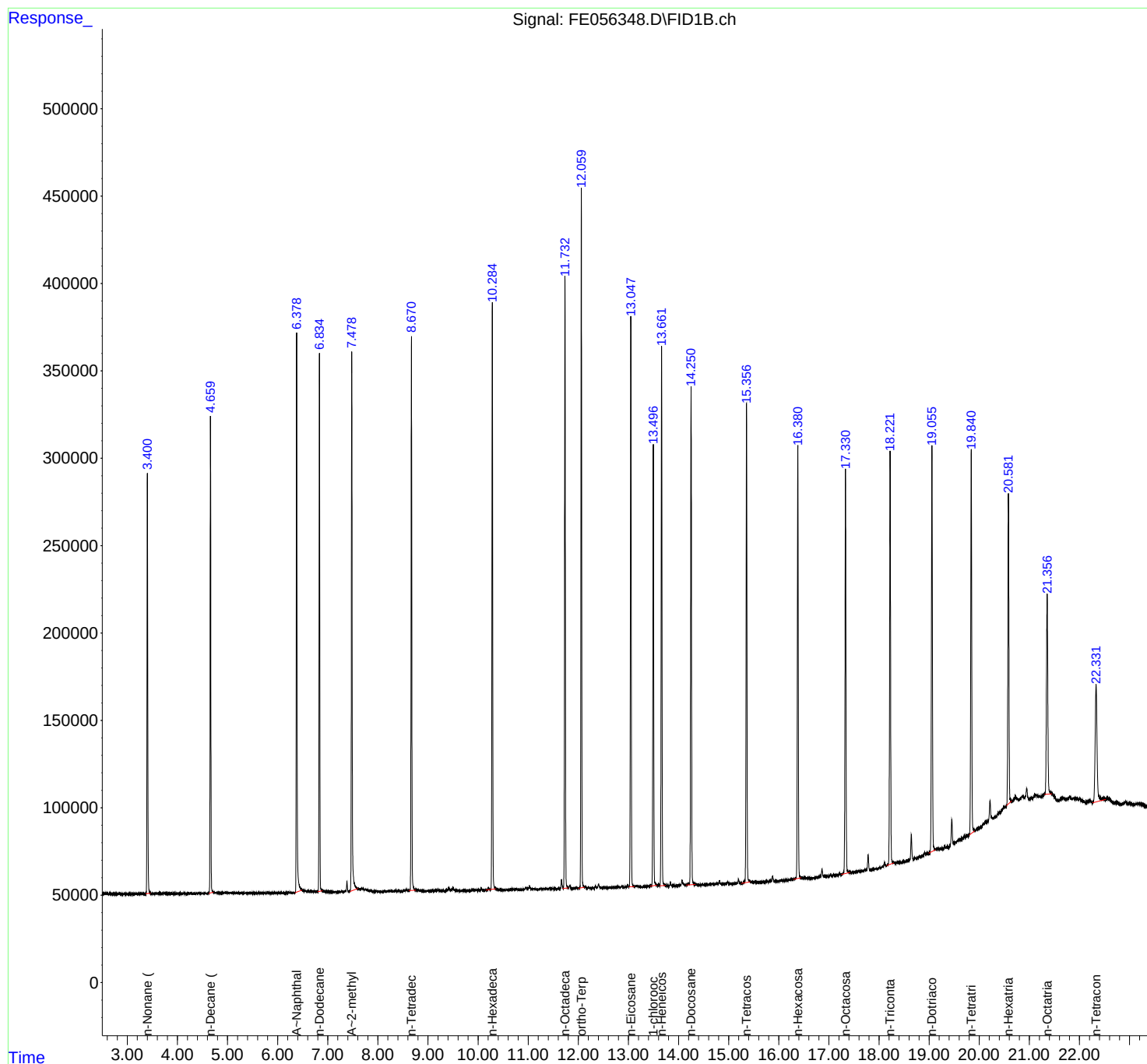
Instrument :
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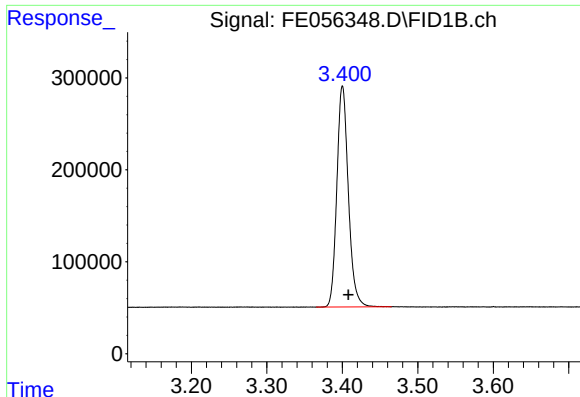
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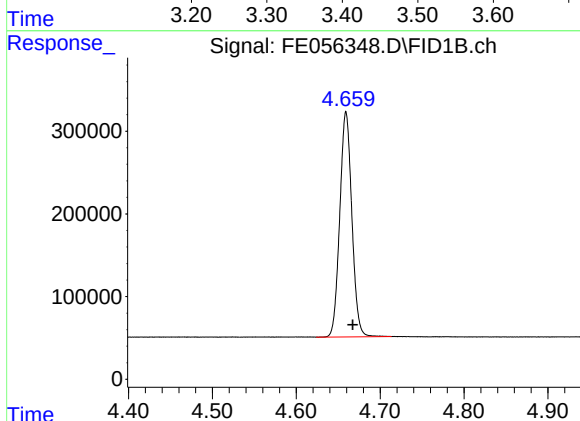
#1 n-Nonane (C9)

R.T.: 3.400 min
Delta R.T.: -0.008 min
Response: 2545202
Conc: 18.58 ug/ml

Instrument :
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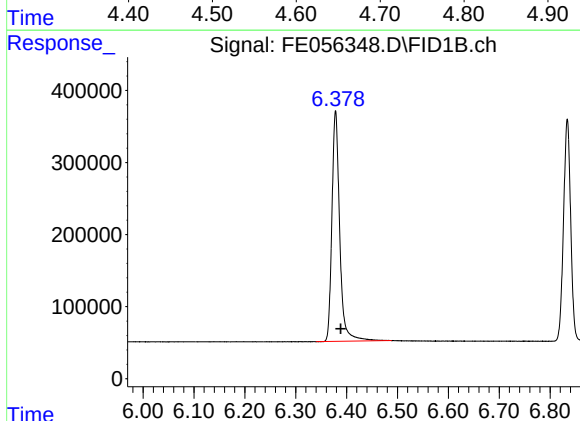
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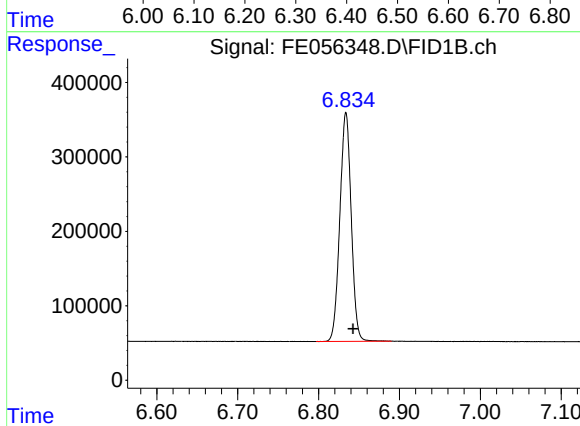
#2 n-Decane (C10)

R.T.: 4.659 min
Delta R.T.: -0.008 min
Response: 2725957
Conc: 19.53 ug/ml



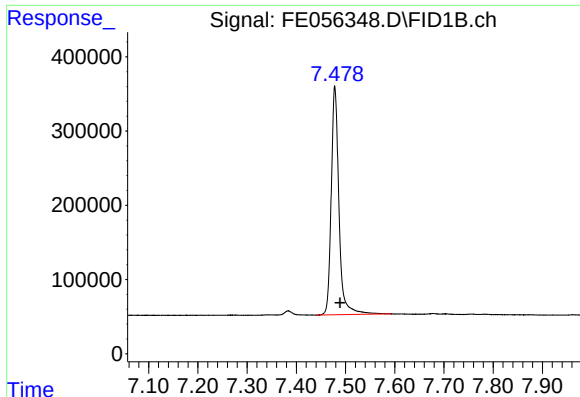
#3 A~Naphthalene (C11.7)

R.T.: 6.378 min
Delta R.T.: -0.010 min
Response: 3406753
Conc: 21.34 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.834 min
Delta R.T.: -0.009 min
Response: 3006412
Conc: 20.95 ug/ml



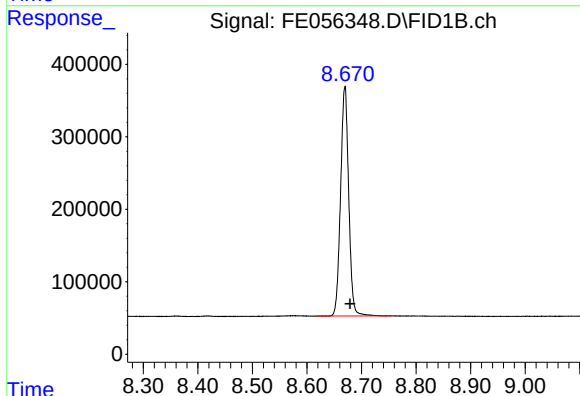
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.479 min
Delta R.T.: -0.010 min
Response: 3365316
Conc: 21.64 ug/ml

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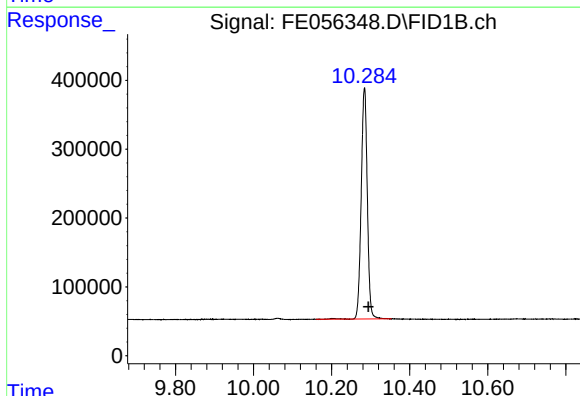
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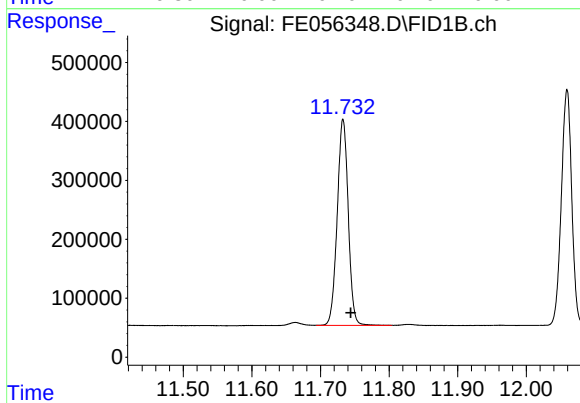
#6 n-Tetradecane (C14)

R.T.: 8.669 min
Delta R.T.: -0.010 min
Response: 3277384
Conc: 22.17 ug/ml



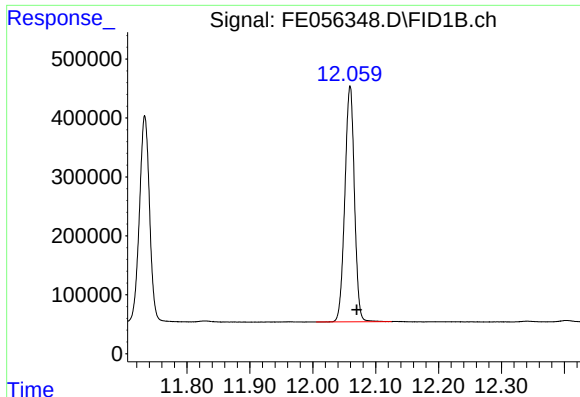
#7 n-Hexadecane (C16)

R.T.: 10.284 min
Delta R.T.: -0.010 min
Response: 3652105
Conc: 22.98 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.733 min
Delta R.T.: -0.011 min
Response: 3904096
Conc: 23.05 ug/ml



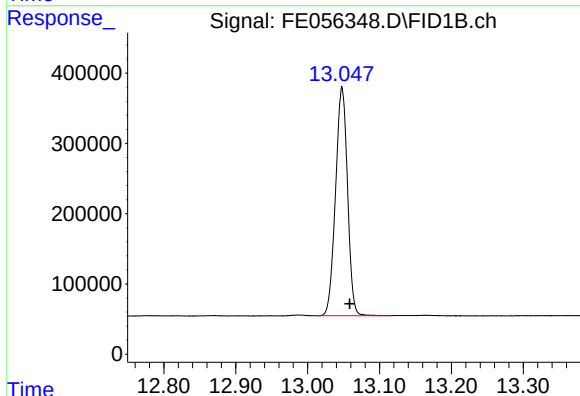
#9 ortho-Terphenyl (SURR)

R.T.: 12.059 min
Delta R.T.: -0.011 min
Response: 4228549
Conc: 22.53 ug/ml

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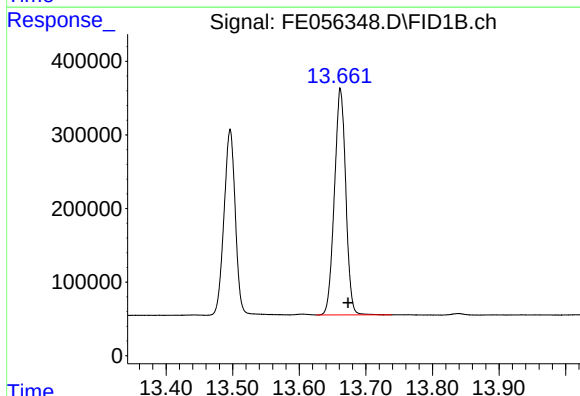
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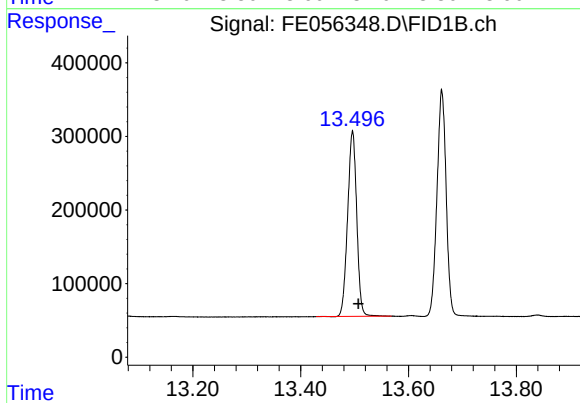
#10 n-Eicosane (C20)

R.T.: 13.048 min
Delta R.T.: -0.011 min
Response: 3762396
Conc: 22.70 ug/ml



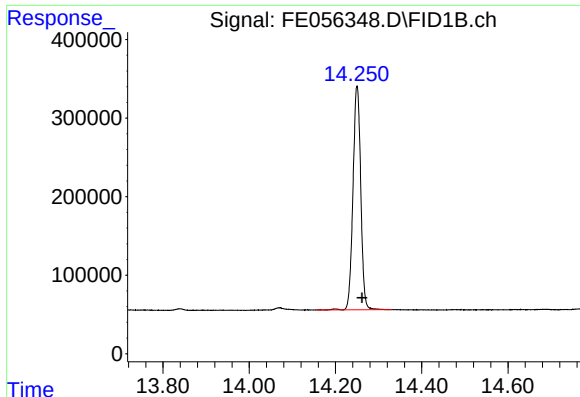
#11 n-Heneicosane (C21)

R.T.: 13.662 min
Delta R.T.: -0.011 min
Response: 3648822
Conc: 22.46 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.496 min
Delta R.T.: -0.011 min
Response: 2955551
Conc: 21.18 ug/ml



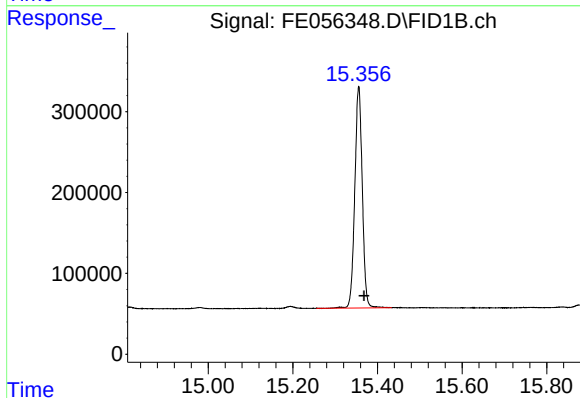
#13 n-Docosane (C22)

R.T.: 14.250 min
Delta R.T.: -0.011 min
Response: 3554025
Conc: 22.24 ug/ml

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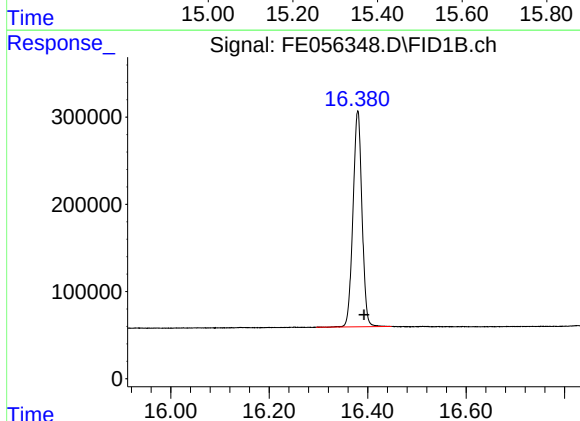
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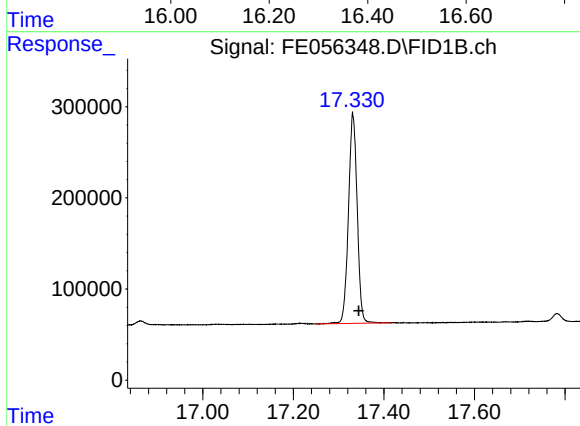
#14 n-Tetracosane (C24)

R.T.: 15.356 min
Delta R.T.: -0.013 min
Response: 3369022
Conc: 22.11 ug/ml



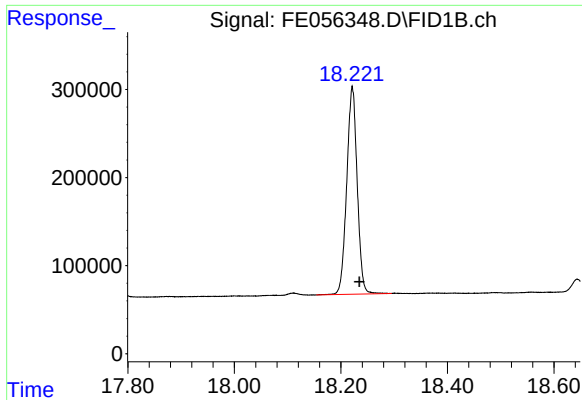
#15 n-Hexacosane (C26)

R.T.: 16.380 min
Delta R.T.: -0.013 min
Response: 3141502
Conc: 22.03 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.332 min
Delta R.T.: -0.013 min
Response: 3077171
Conc: 22.09 ug/ml



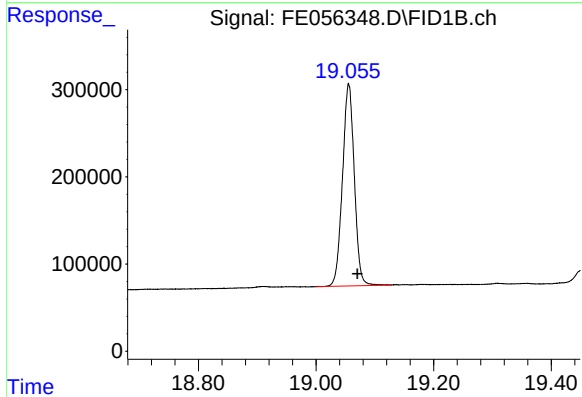
#17 n-Tricontane (C30)

R.T.: 18.221 min
Delta R.T.: -0.013 min
Response: 3210888
Conc: 21.67 ug/ml

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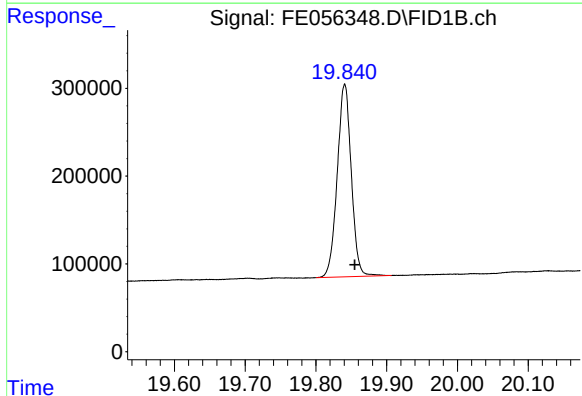
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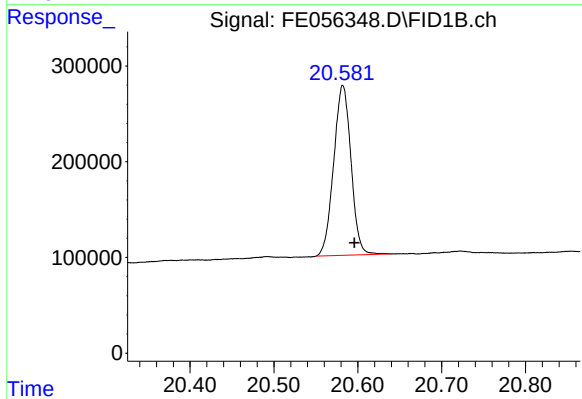
#18 n-Dotriacontane (C32)

R.T.: 19.056 min
Delta R.T.: -0.015 min
Response: 3234087
Conc: 21.68 ug/ml



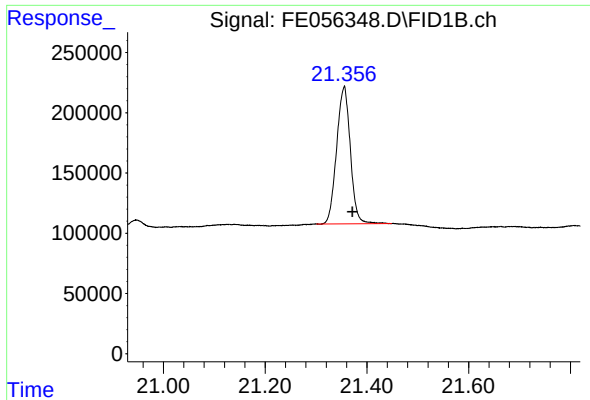
#19 n-Tetratriacontane (C34)

R.T.: 19.841 min
Delta R.T.: -0.014 min
Response: 3022680
Conc: 21.37 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.582 min
Delta R.T.: -0.014 min
Response: 2550677
Conc: 19.87 ug/ml



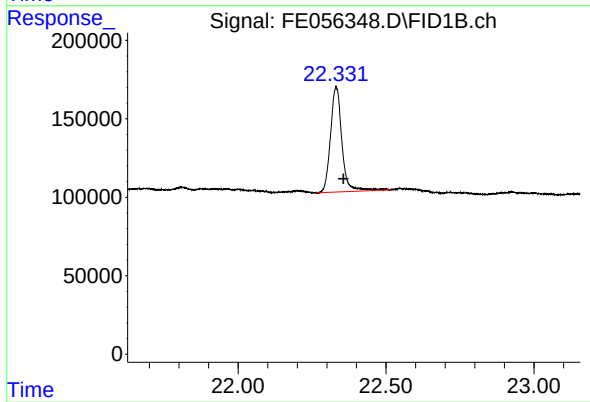
#21 n-Octatriacontane (C38)

R.T.: 21.355 min
Delta R.T.: -0.017 min
Response: 2135240
Conc: 16.26 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.331 min
Delta R.T.: -0.025 min
Response: 1795602
Conc: 15.09 ug/ml m