

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110425AL\
 Data File : FE056654.D
 Signal(s) : FID1B.ch
 Acq On : 04 Nov 2025 07:09
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/05/2025
 Supervised By :Yogesh Patel 11/05/2025

Integration File: autoint1.e
 Quant Time: Nov 05 00:20:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 30 12:50:27 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)	11.973	4168945	19.955 ug/ml
Spiked Amount 50.000		Recovery =	39.91%
12) S 1-chlorooctadecane (S...	13.412	3131243	19.435 ug/ml
Spiked Amount 50.000		Recovery =	38.87%
Target Compounds			
1) T n-Nonane (C9)	3.325	3579322	21.310 ug/ml
2) T n-Decane (C10)	4.578	3714191	21.645 ug/ml
3) T A~Naphthalene (C11.7)	6.294	3856920	20.895 ug/ml
4) T n-Dodecane (C12)	6.752	3804710	21.875 ug/ml
5) T A~2-methylnaphthalene...	7.395	3679928	20.764 ug/ml
6) T n-Tetradecane (C14)	8.588	3740450	21.429 ug/ml
7) T n-Hexadecane (C16)	10.201	3836954	20.972 ug/ml
8) T n-Octadecane (C18)	11.650	3858418	20.386 ug/ml
10) T n-Eicosane (C20)	12.964	3675227	19.721 ug/ml
11) T n-Heneicosane (C21)	13.578	3589514	19.521 ug/ml
13) T n-Docosane (C22)	14.167	3568020	19.060 ug/ml
14) T n-Tetracosane (C24)	15.273	3592289	18.341 ug/ml
15) T n-Hexacosane (C26)	16.298	3506408	18.043 ug/ml
16) T n-Octacosane (C28)	17.250	3434423	17.734 ug/ml
17) T n-Tricontane (C30)	18.140	3509238	17.503 ug/ml
18) T n-Dotriacontane (C32)	18.976	3441416	17.500 ug/ml
19) T n-Tetratriacontane (C34)	19.762	3149299	18.245 ug/ml
20) T n-Hexatriacontane (C36)	20.503	2800505	19.360 ug/ml
21) T n-Octatriacontane (C38)	21.259	2682649	21.314 ug/ml
22) T n-Tetracontane (C40)	22.204	2673353	23.123 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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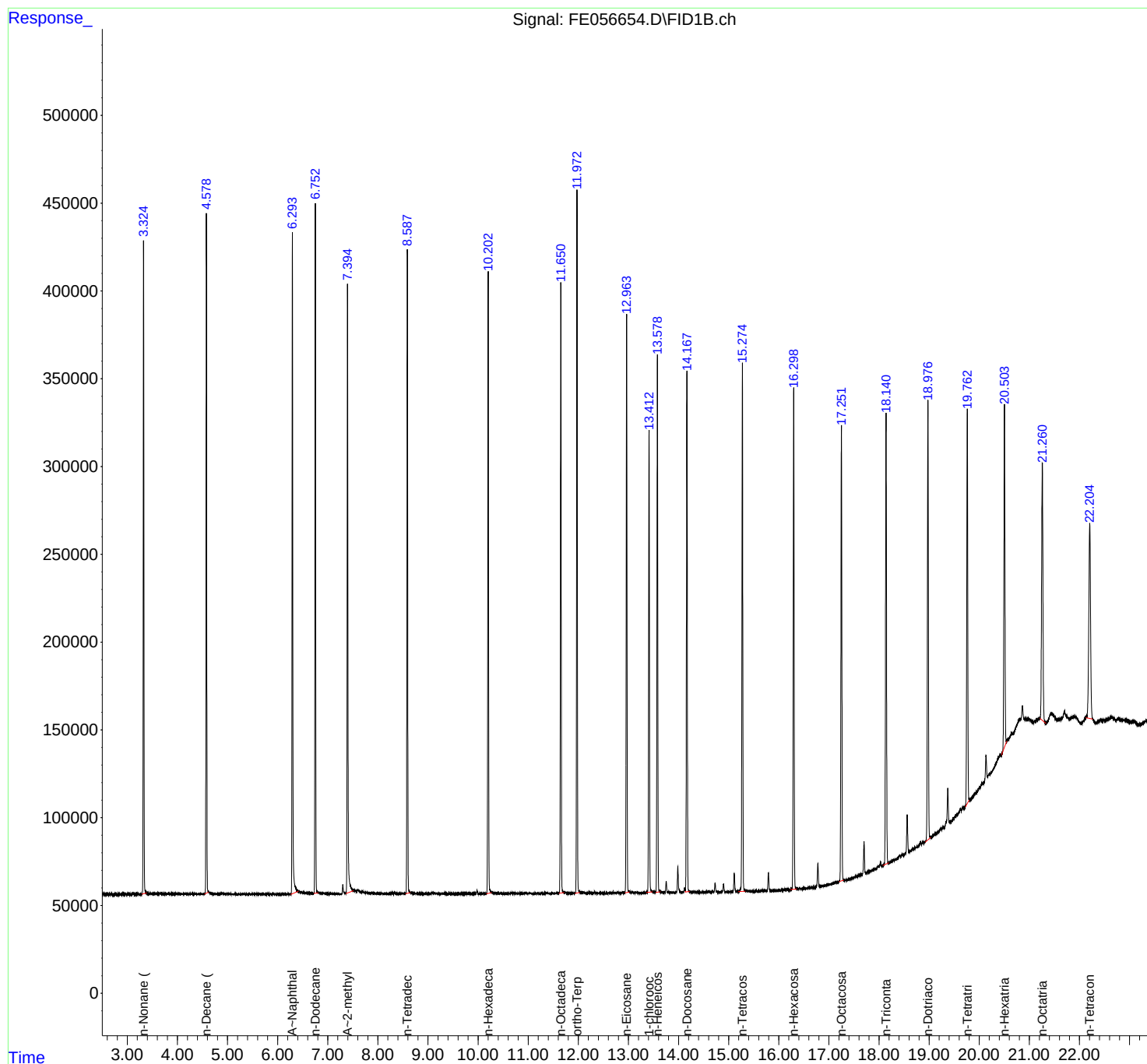
Instrument :
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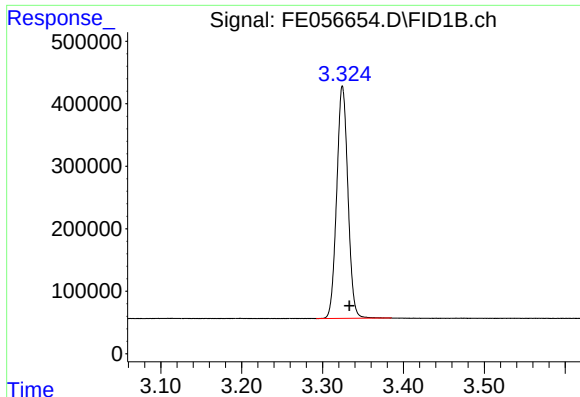
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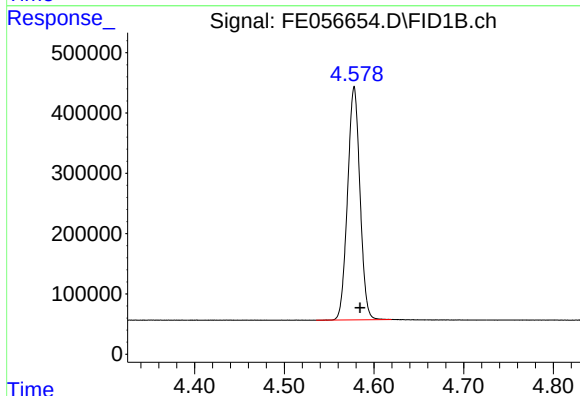
#1 n-Nonane (C9)

R.T.: 3.325 min
Delta R.T.: -0.008 min
Response: 3579322
Conc: 21.31 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

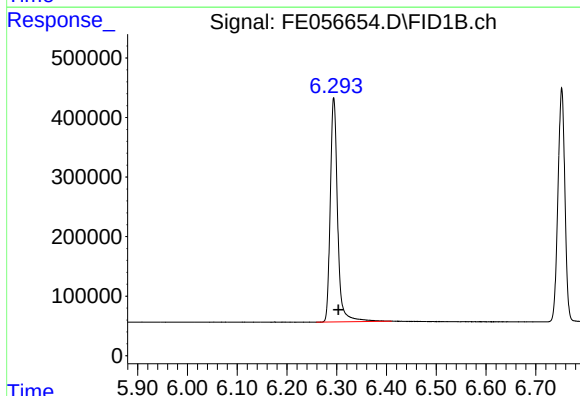
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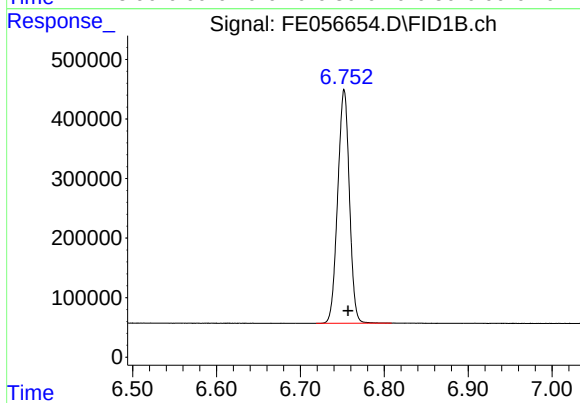
#2 n-Decane (C10)

R.T.: 4.578 min
Delta R.T.: -0.007 min
Response: 3714191
Conc: 21.65 ug/ml



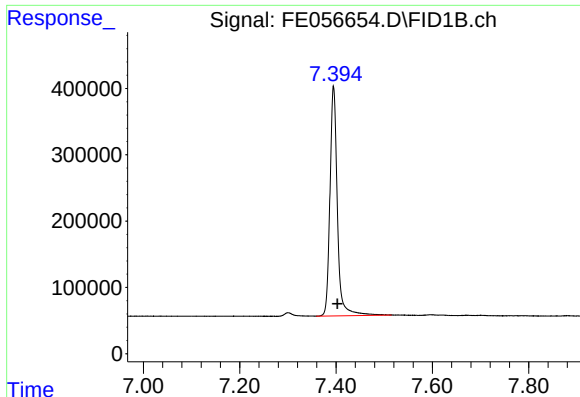
#3 A~Naphthalene (C11.7)

R.T.: 6.294 min
Delta R.T.: -0.009 min
Response: 3856920
Conc: 20.90 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.752 min
Delta R.T.: -0.005 min
Response: 3804710
Conc: 21.87 ug/ml



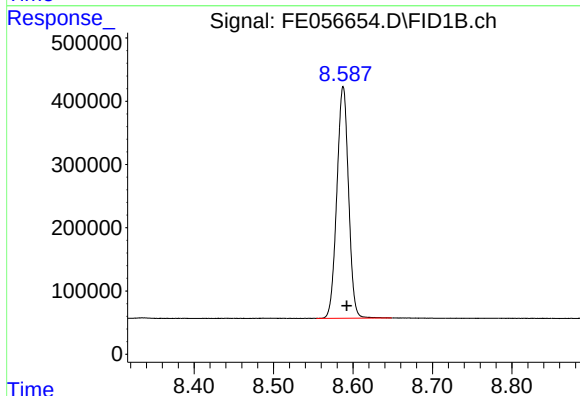
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.395 min
Delta R.T.: -0.008 min
Response: 3679928
Conc: 20.76 ug/ml

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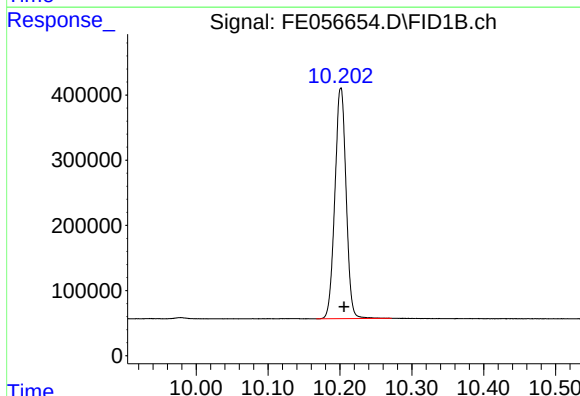
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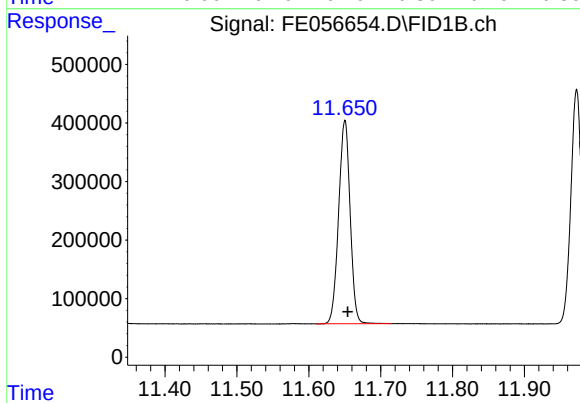
#6 n-Tetradecane (C14)

R.T.: 8.588 min
Delta R.T.: -0.004 min
Response: 3740450
Conc: 21.43 ug/ml



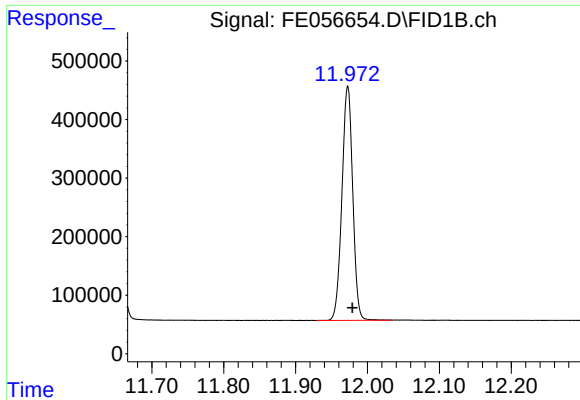
#7 n-Hexadecane (C16)

R.T.: 10.201 min
Delta R.T.: -0.004 min
Response: 3836954
Conc: 20.97 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.650 min
Delta R.T.: -0.004 min
Response: 3858418
Conc: 20.39 ug/ml



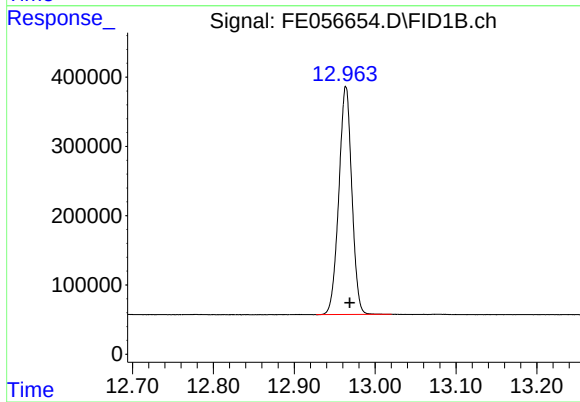
#9 ortho-Terphenyl (SURR)

R.T.: 11.973 min
Delta R.T.: -0.006 min
Response: 4168945
Conc: 19.96 ug/ml

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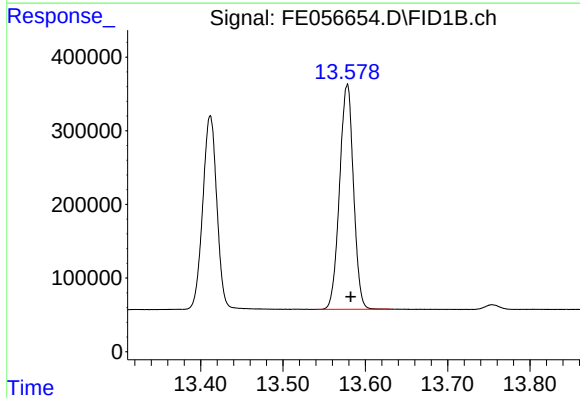
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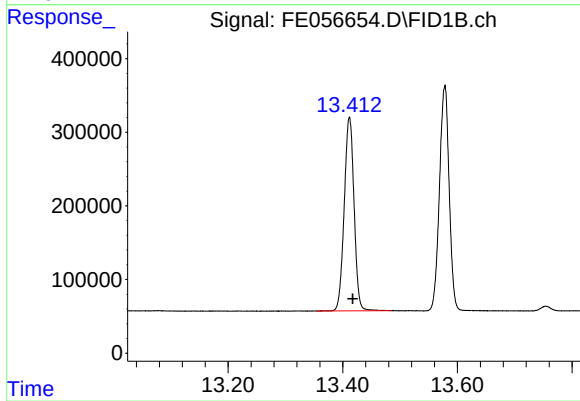
#10 n-Eicosane (C20)

R.T.: 12.964 min
Delta R.T.: -0.005 min
Response: 3675227
Conc: 19.72 ug/ml



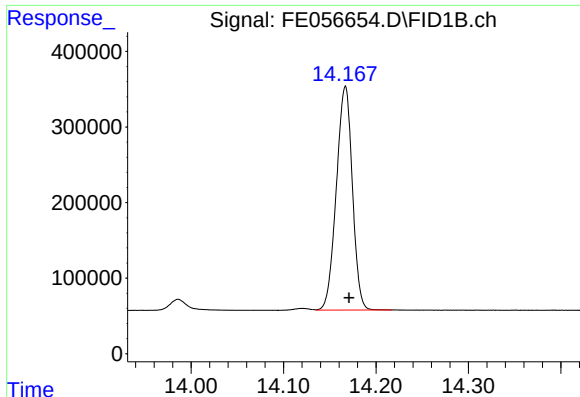
#11 n-Heneicosane (C21)

R.T.: 13.578 min
Delta R.T.: -0.004 min
Response: 3589514
Conc: 19.52 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.412 min
Delta R.T.: -0.006 min
Response: 3131243
Conc: 19.43 ug/ml



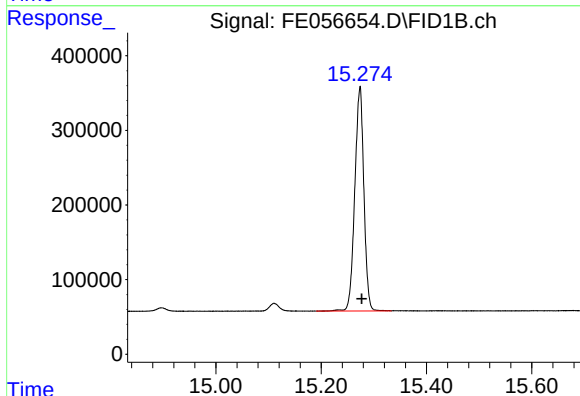
#13 n-Docosane (C22)

R.T.: 14.167 min
Delta R.T.: -0.004 min
Response: 3568020
Conc: 19.06 ug/ml

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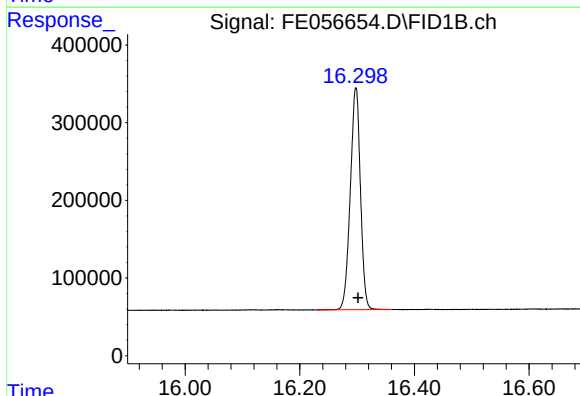
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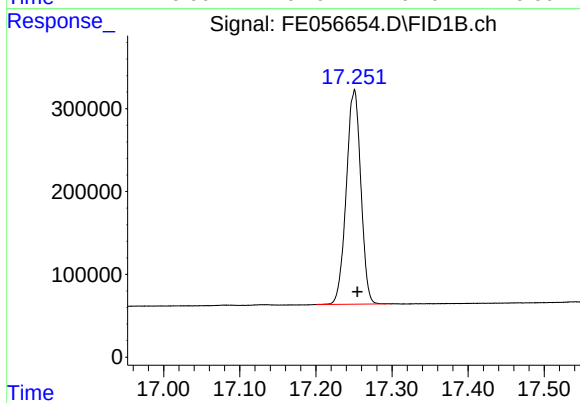
#14 n-Tetracosane (C24)

R.T.: 15.273 min
Delta R.T.: -0.004 min
Response: 3592289
Conc: 18.34 ug/ml



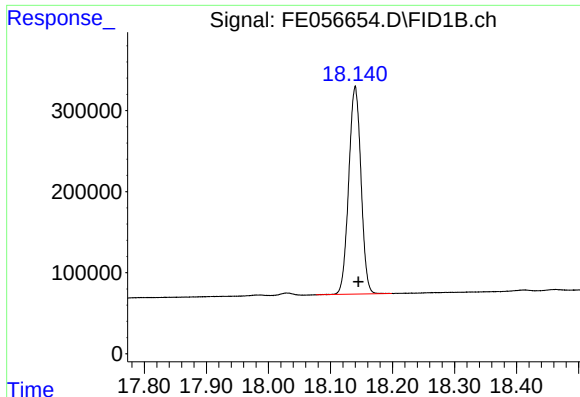
#15 n-Hexacosane (C26)

R.T.: 16.298 min
Delta R.T.: -0.004 min
Response: 3506408
Conc: 18.04 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.250 min
Delta R.T.: -0.004 min
Response: 3434423
Conc: 17.73 ug/ml



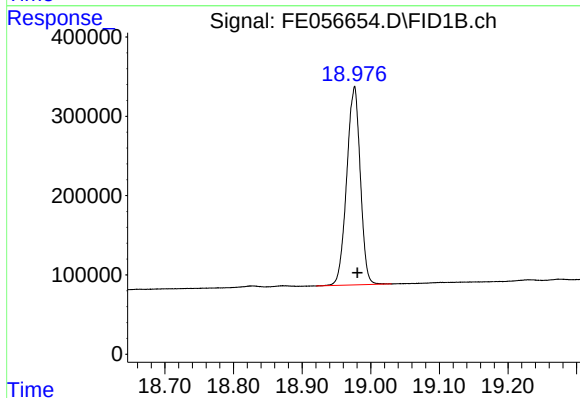
#17 n-Tricontane (C30)

R.T.: 18.140 min
Delta R.T.: -0.005 min
Response: 3509238
Conc: 17.50 ug/ml

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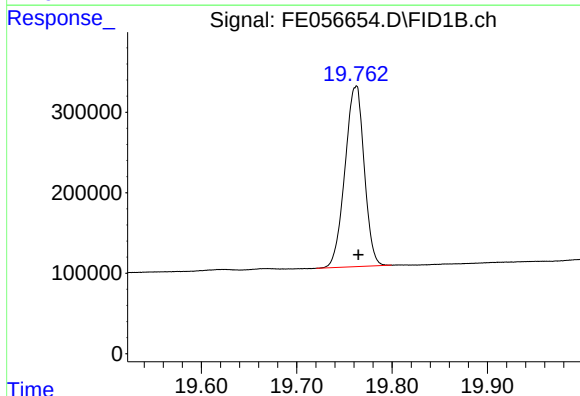
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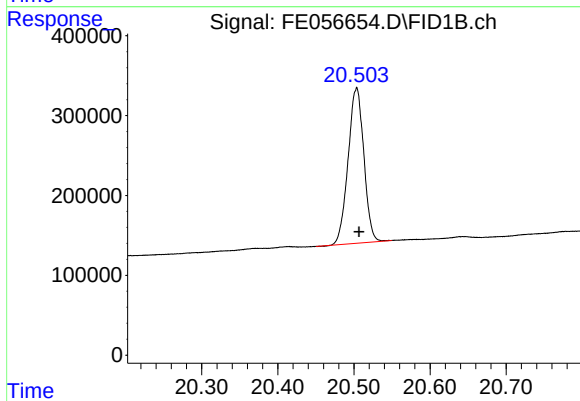
#18 n-Dotriacontane (C32)

R.T.: 18.976 min
Delta R.T.: -0.005 min
Response: 3441416
Conc: 17.50 ug/ml



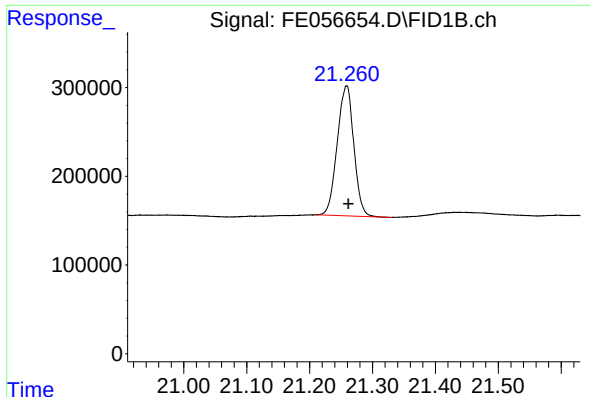
#19 n-Tetratriacontane (C34)

R.T.: 19.762 min
Delta R.T.: -0.003 min
Response: 3149299
Conc: 18.25 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.503 min
Delta R.T.: -0.004 min
Response: 2800505
Conc: 19.36 ug/ml



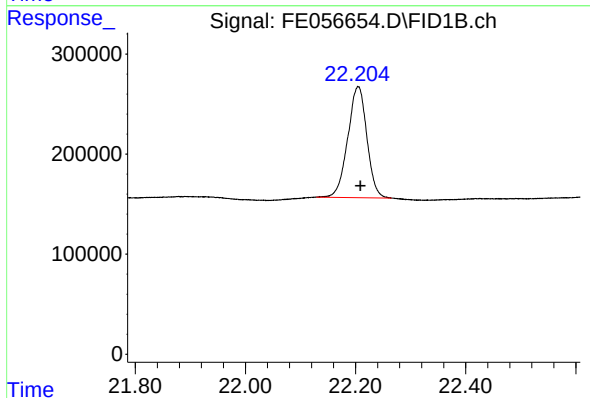
#21 n-Octatriacontane (C38)

R.T.: 21.259 min
Delta R.T.: -0.003 min
Response: 2682649
Conc: 21.31 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.204 min
Delta R.T.: -0.005 min
Response: 2673353
Conc: 23.12 ug/ml m