

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120325AL\
 Data File : FE057152.D
 Signal(s) : FID1B.ch
 Acq On : 03 Dec 2025 09:26
 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 :Rahul Chavli 12/04/2025
 Supervised By :mohammad ahmed 12/05/2025

Integration File: autoint1.e
 Quant Time: Dec 04 00:49:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 01 08:04:59 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)	11.936	4441219	20.239 ug/ml
Spiked Amount 50.000		Recovery =	40.48%
12) S 1-chlorooctadecane (S...	13.373	3364758	20.218 ug/ml
Spiked Amount 50.000		Recovery =	40.44%
Target Compounds			
1) T n-Nonane (C9)	3.294	3974287	20.317 ug/ml
2) T n-Decane (C10)	4.547	4080717	20.176 ug/ml
3) T A~Naphthalene (C11.7)	6.264	4125601	20.492 ug/ml
4) T n-Dodecane (C12)	6.720	4150794	20.337 ug/ml
5) T A~2-methylnaphthalene...	7.364	3881021	20.198 ug/ml
6) T n-Tetradecane (C14)	8.553	4093003	20.335 ug/ml
7) T n-Hexadecane (C16)	10.165	4164304	20.306 ug/ml
8) T n-Octadecane (C18)	11.613	4180228	20.281 ug/ml
10) T n-Eicosane (C20)	12.926	3957856	20.120 ug/ml
11) T n-Heneicosane (C21)	13.539	3866256	20.124 ug/ml
13) T n-Docosane (C22)	14.127	3819913	19.788 ug/ml
14) T n-Tetracosane (C24)	15.233	3772279	19.046 ug/ml
15) T n-Hexacosane (C26)	16.256	3712190	18.712 ug/ml
16) T n-Octacosane (C28)	17.208	3681186	17.913 ug/ml
17) T n-Tricontane (C30)	18.098	3772453	16.809 ug/ml
18) T n-Dotriacontane (C32)	18.933	3710438	15.895 ug/ml
19) T n-Tetratriacontane (C34)	19.717	3526905	16.513 ug/mlm
20) T n-Hexatriacontane (C36)	20.460	3251138	17.467 ug/mlm
21) T n-Octatriacontane (C38)	21.205	3161447	18.242 ug/mlm
22) T n-Tetracontane (C40)	22.137	3132824	18.591 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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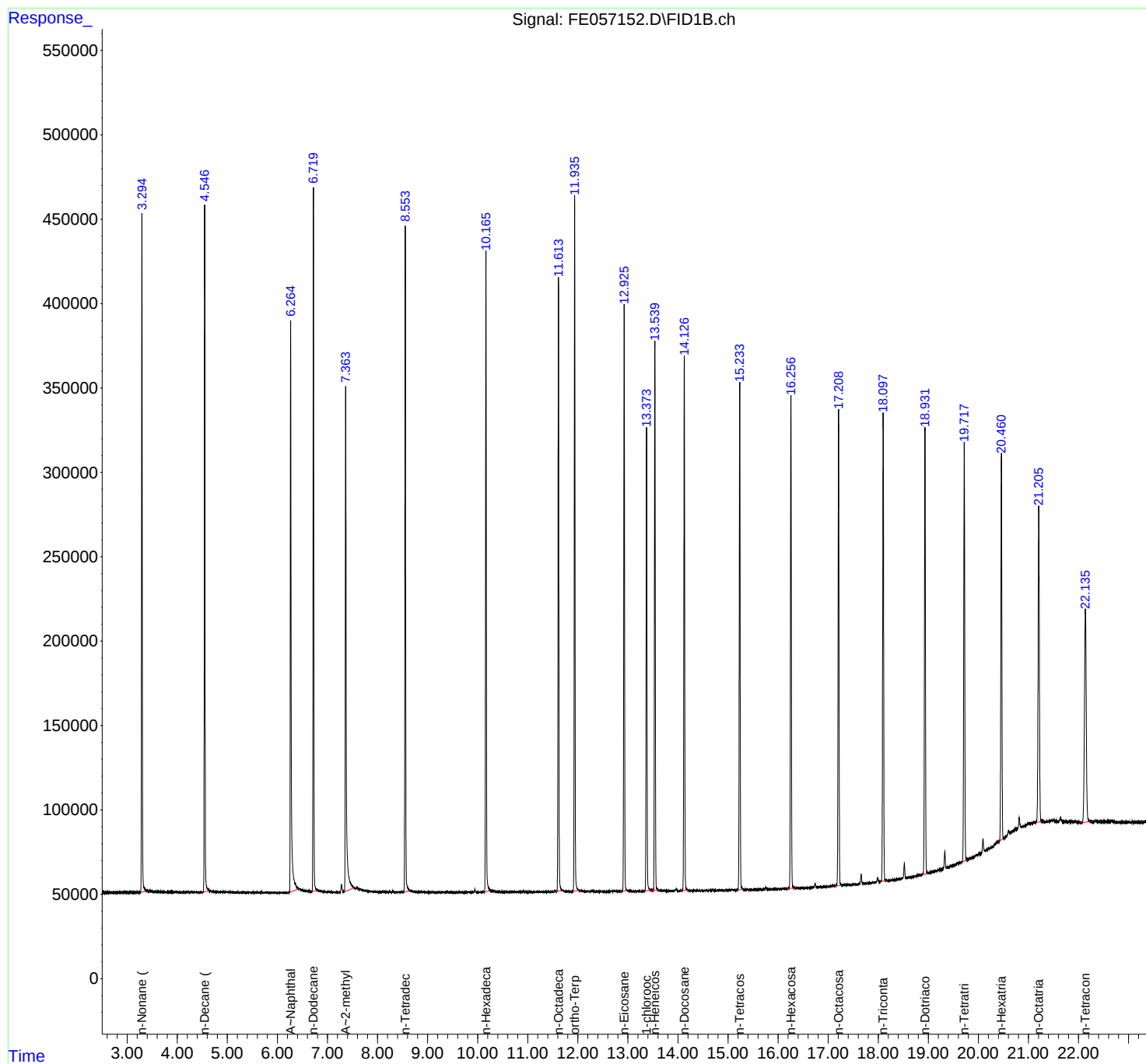
Instrument :
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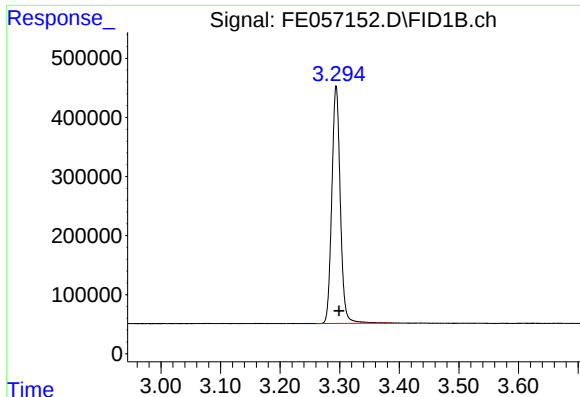
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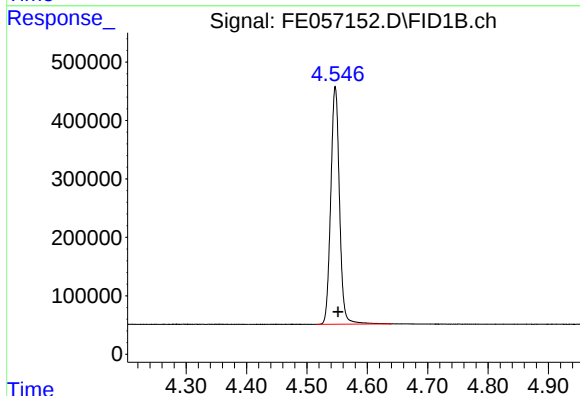
#1 n-Nonane (C9)

R.T.: 3.294 min
Delta R.T.: -0.005 min
Response: 3974287
Conc: 20.32 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

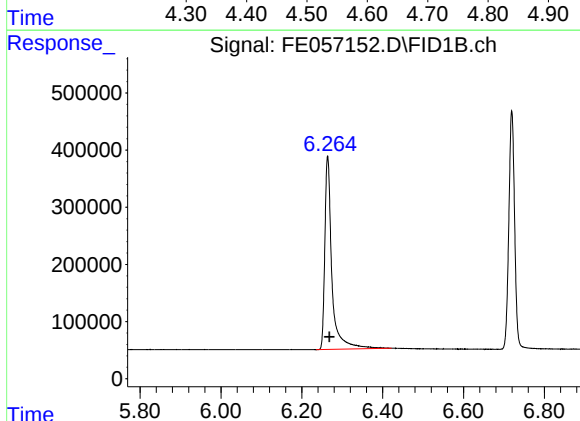
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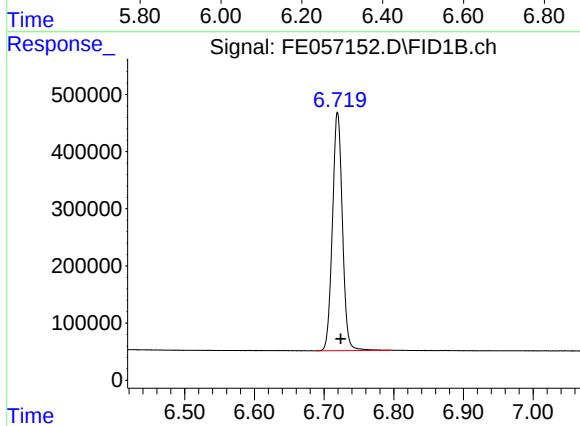
#2 n-Decane (C10)

R.T.: 4.547 min
Delta R.T.: -0.004 min
Response: 4080717
Conc: 20.18 ug/ml



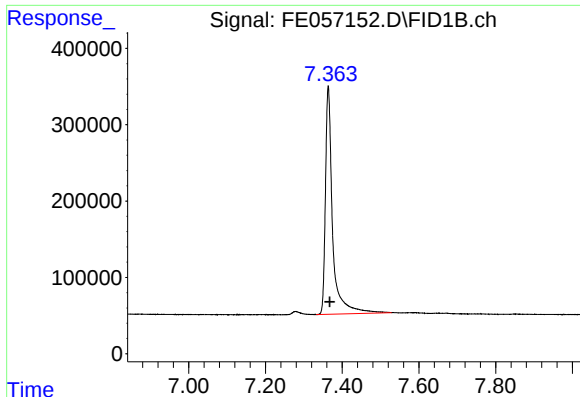
#3 A~Naphthalene (C11.7)

R.T.: 6.264 min
Delta R.T.: -0.004 min
Response: 4125601
Conc: 20.49 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.720 min
Delta R.T.: -0.005 min
Response: 4150794
Conc: 20.34 ug/ml



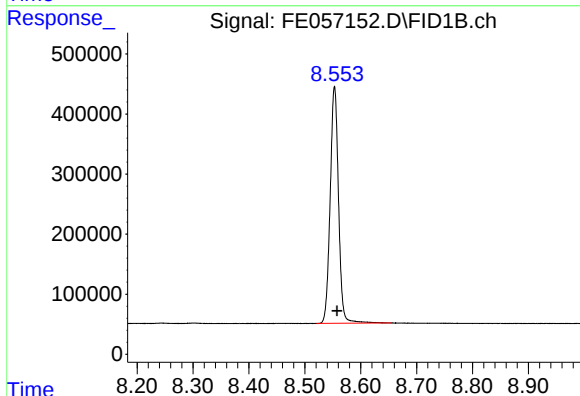
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.364 min
Delta R.T.: -0.004 min
Response: 3881021
Conc: 20.20 ug/ml

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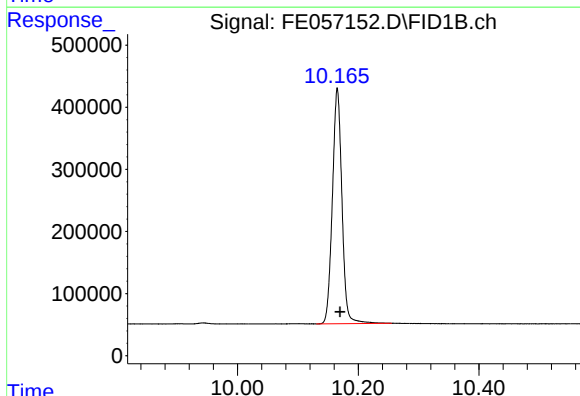
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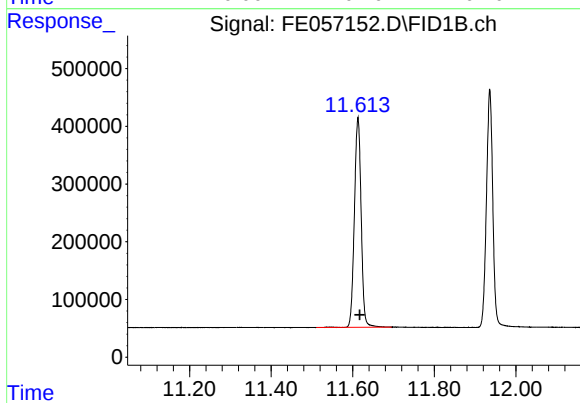
#6 n-Tetradecane (C14)

R.T.: 8.553 min
Delta R.T.: -0.005 min
Response: 4093003
Conc: 20.33 ug/ml



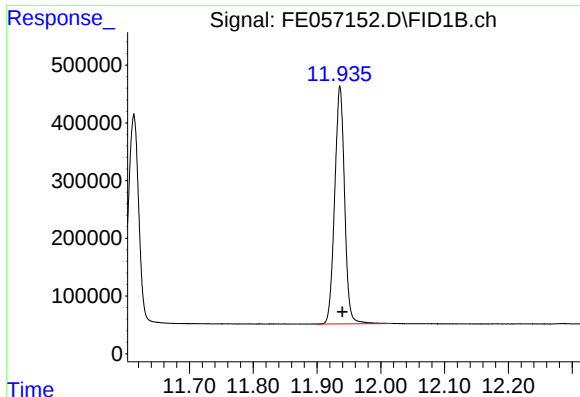
#7 n-Hexadecane (C16)

R.T.: 10.165 min
Delta R.T.: -0.004 min
Response: 4164304
Conc: 20.31 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.613 min
Delta R.T.: -0.004 min
Response: 4180228
Conc: 20.28 ug/ml



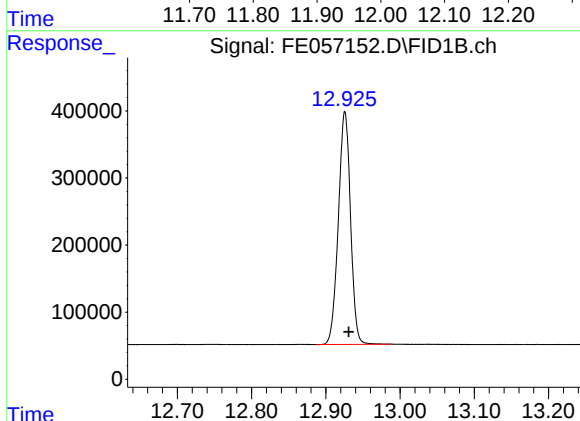
#9 ortho-Terphenyl (SURR)

R.T.: 11.936 min
Delta R.T.: -0.004 min
Response: 4441219
Conc: 20.24 ug/ml

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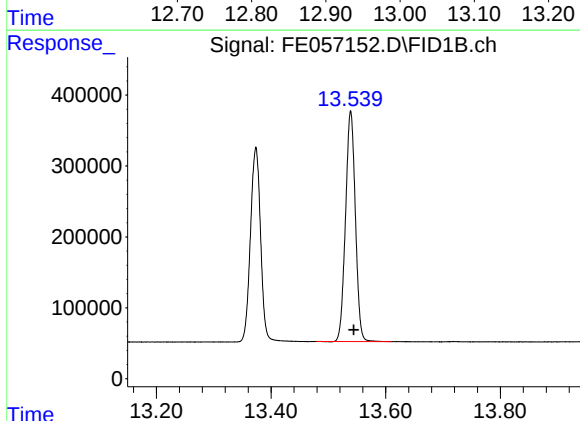
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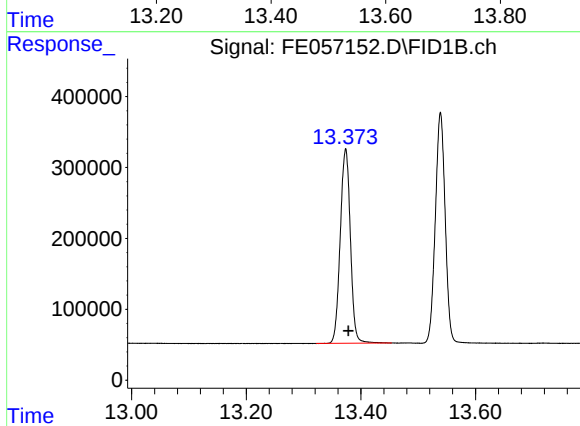
#10 n-Eicosane (C20)

R.T.: 12.926 min
Delta R.T.: -0.005 min
Response: 3957856
Conc: 20.12 ug/ml



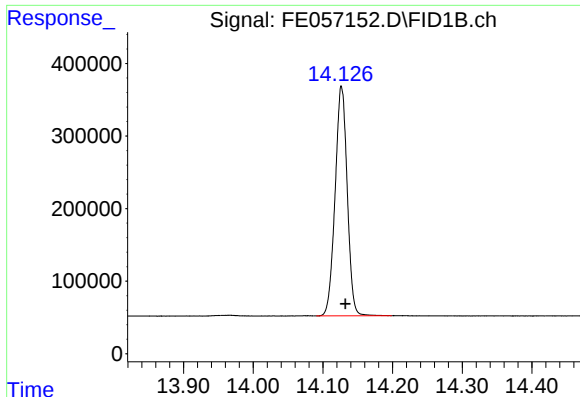
#11 n-Heneicosane (C21)

R.T.: 13.539 min
Delta R.T.: -0.005 min
Response: 3866256
Conc: 20.12 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.373 min
Delta R.T.: -0.005 min
Response: 3364758
Conc: 20.22 ug/ml



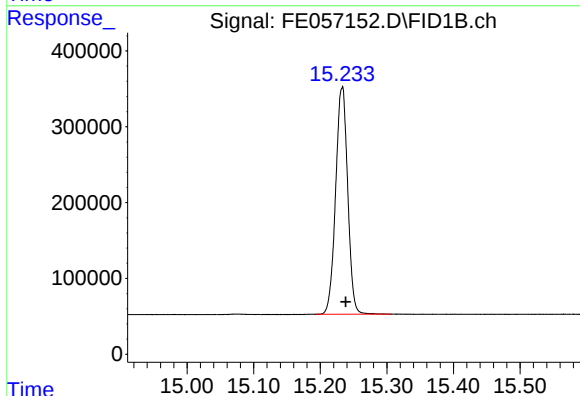
#13 n-Docosane (C22)

R.T.: 14.127 min
Delta R.T.: -0.006 min
Response: 3819913
Conc: 19.79 ug/ml

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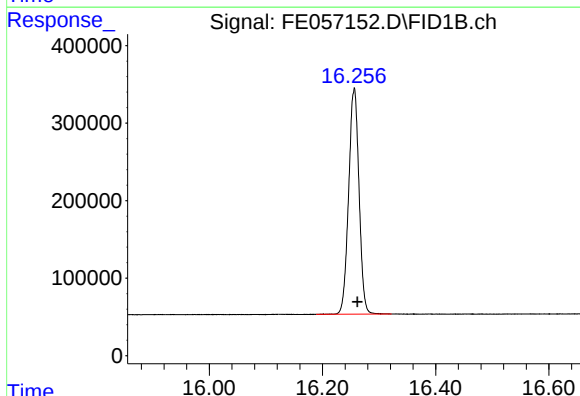
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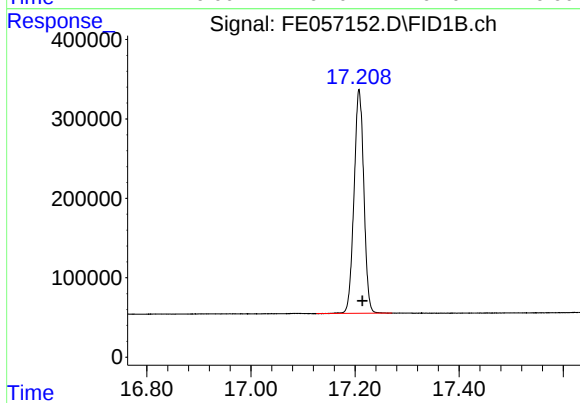
#14 n-Tetracosane (C24)

R.T.: 15.233 min
Delta R.T.: -0.006 min
Response: 3772279
Conc: 19.05 ug/ml



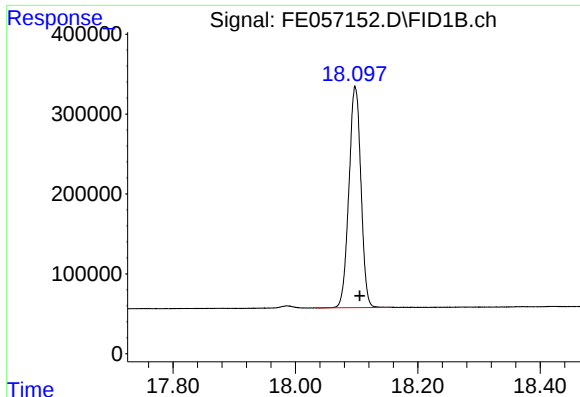
#15 n-Hexacosane (C26)

R.T.: 16.256 min
Delta R.T.: -0.006 min
Response: 3712190
Conc: 18.71 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.208 min
Delta R.T.: -0.006 min
Response: 3681186
Conc: 17.91 ug/ml



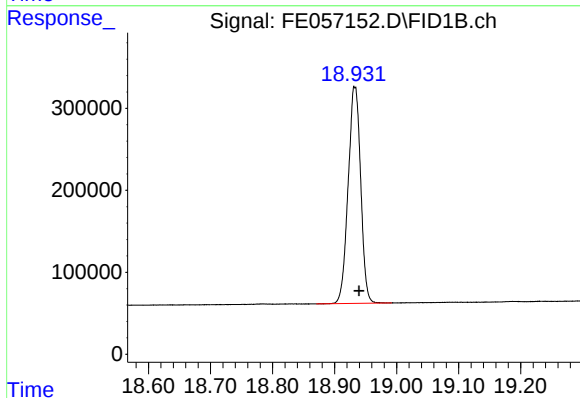
#17 n-Tricontane (C30)

R.T.: 18.098 min
Delta R.T.: -0.007 min
Response: 3772453
Conc: 16.81 ug/ml

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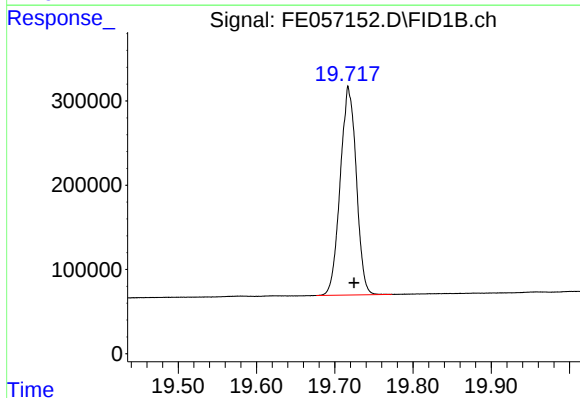
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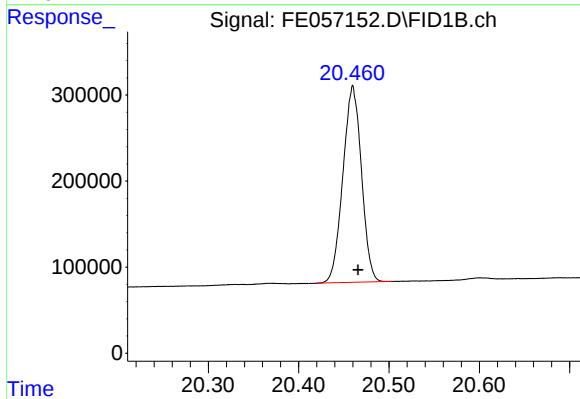
#18 n-Dotriacontane (C32)

R.T.: 18.933 min
Delta R.T.: -0.007 min
Response: 3710438
Conc: 15.89 ug/ml



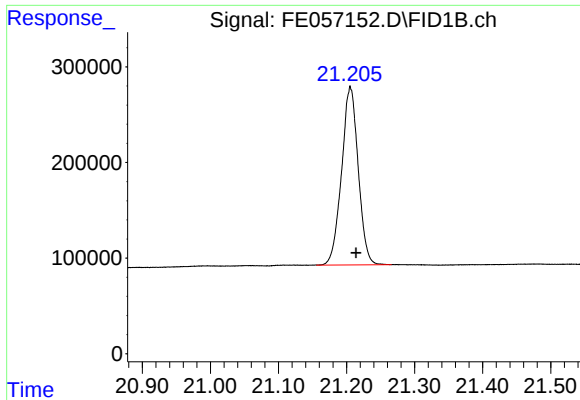
#19 n-Tetratriacontane (C34)

R.T.: 19.717 min
Delta R.T.: -0.008 min
Response: 3526905
Conc: 16.51 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.460 min
Delta R.T.: -0.006 min
Response: 3251138
Conc: 17.47 ug/ml m



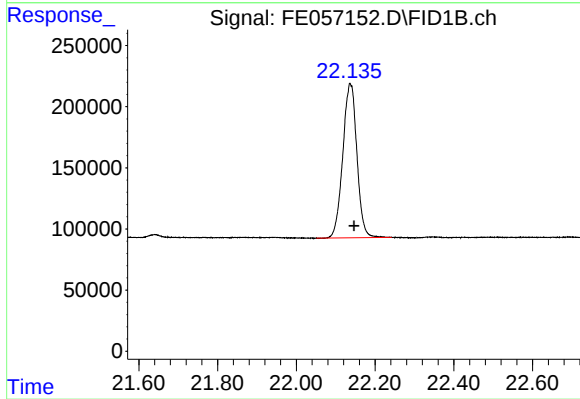
#21 n-Octatriacontane (C38)

R.T.: 21.205 min
Delta R.T.: -0.009 min
Response: 3161447
Conc: 18.24 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.137 min
Delta R.T.: -0.009 min
Response: 3132824
Conc: 18.59 ug/ml