

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120325AL\
 Data File : FE057155.D
 Signal(s) : FID1B.ch
 Acq On : 03 Dec 2025 13:25
 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 00:50:24 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	4561445	20.787 ug/ml
Spiked Amount 50.000		Recovery =	41.57%
12) S 1-chlorooctadecane (S...	13.374	3460599	20.793 ug/ml
Spiked Amount 50.000		Recovery =	41.59%
Target Compounds			
1) T n-Nonane (C9)	3.295	4093892	20.929 ug/ml
2) T n-Decane (C10)	4.547	4211459	20.822 ug/ml
3) T A~Naphthalene (C11.7)	6.265	4215761	20.940 ug/ml
4) T n-Dodecane (C12)	6.720	4257478	20.860 ug/ml
5) T A~2-methylnaphthalene...	7.364	3996149	20.797 ug/ml
6) T n-Tetradecane (C14)	8.554	4195528	20.844 ug/ml
7) T n-Hexadecane (C16)	10.166	4265753	20.801 ug/ml
8) T n-Octadecane (C18)	11.612	4283816	20.784 ug/ml
10) T n-Eicosane (C20)	12.926	4074789	20.715 ug/ml
11) T n-Heneicosane (C21)	13.539	3990747	20.772 ug/ml
13) T n-Docosane (C22)	14.127	3932523	20.371 ug/ml
14) T n-Tetracosane (C24)	15.233	3881135	19.596 ug/ml
15) T n-Hexacosane (C26)	16.256	3818841	19.249 ug/ml
16) T n-Octacosane (C28)	17.208	3781759	18.403 ug/ml
17) T n-Tricontane (C30)	18.099	3874582	17.264 ug/ml
18) T n-Dotriacontane (C32)	18.933	3794107	16.253 ug/ml
19) T n-Tetratriacontane (C34)	19.719	3598686	16.849 ug/mlm
20) T n-Hexatriacontane (C36)	20.460	3271916	17.579 ug/mlm
21) T n-Octatriacontane (C38)	21.206	3142315	18.132 ug/mlm
22) T n-Tetracontane (C40)	22.138	3118991	18.509 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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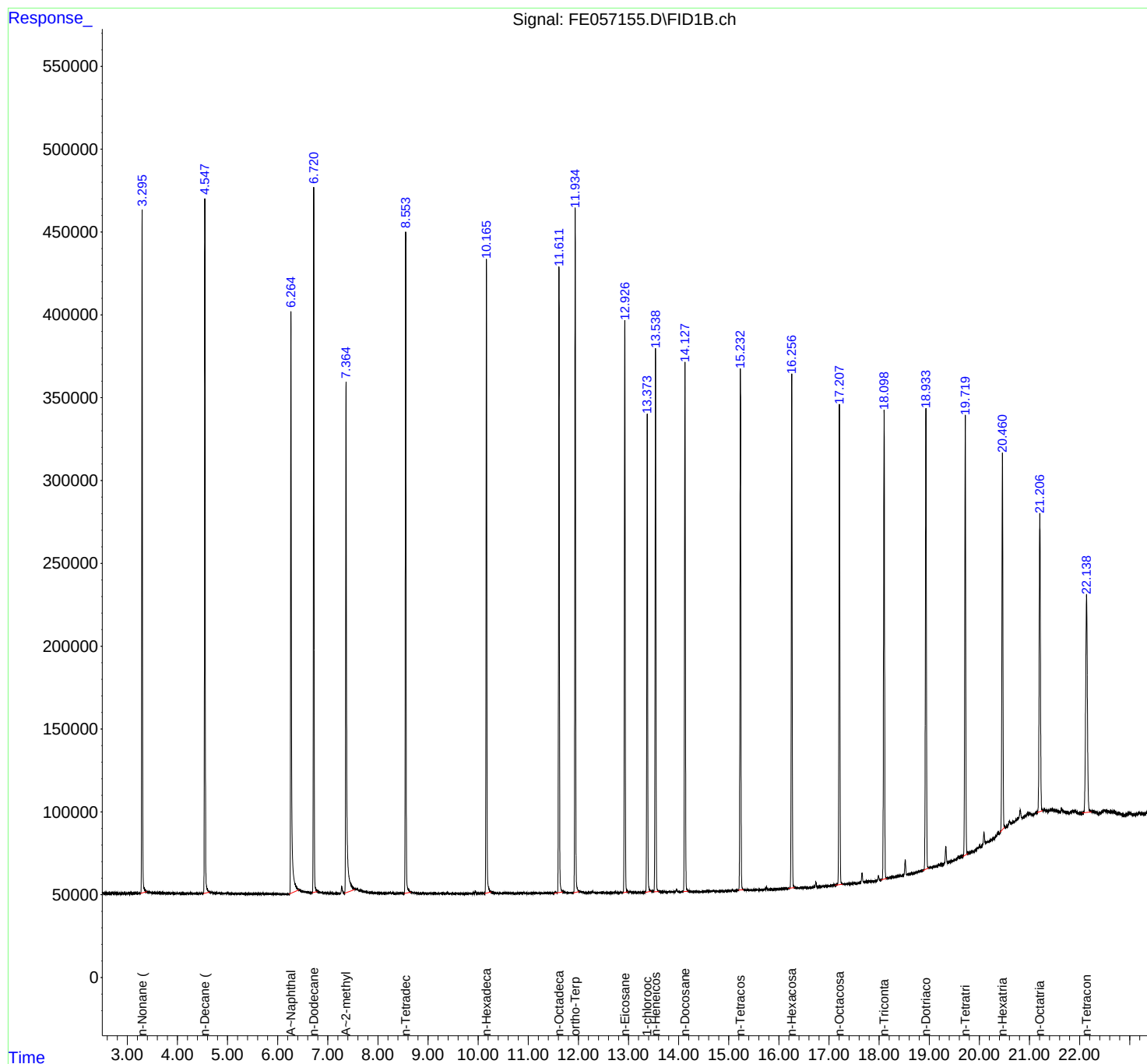
Instrument :
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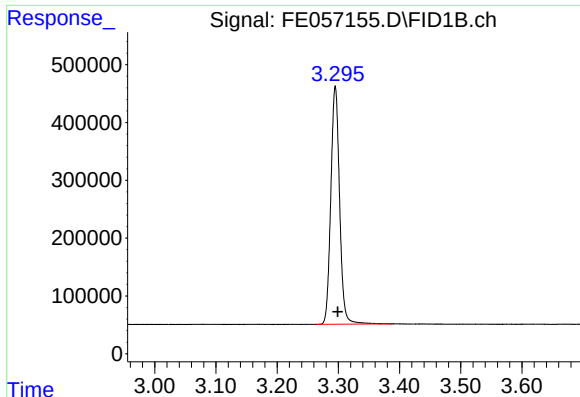
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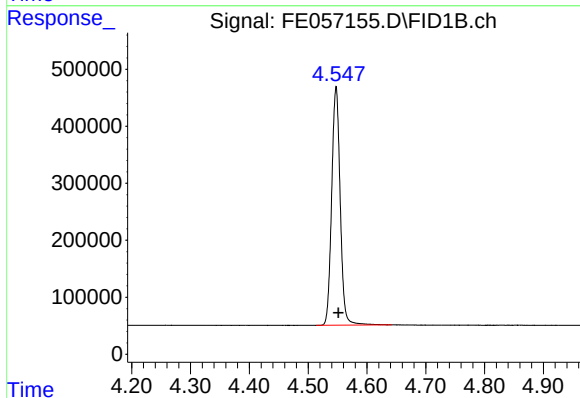
#1 n-Nonane (C9)

R.T.: 3.295 min
Delta R.T.: -0.004 min
Response: 4093892
Conc: 20.93 ug/ml

Instrument :
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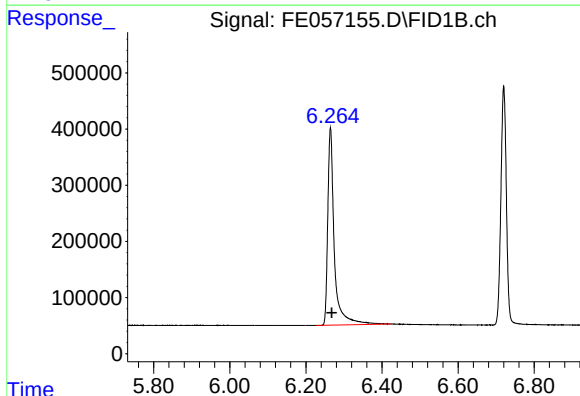
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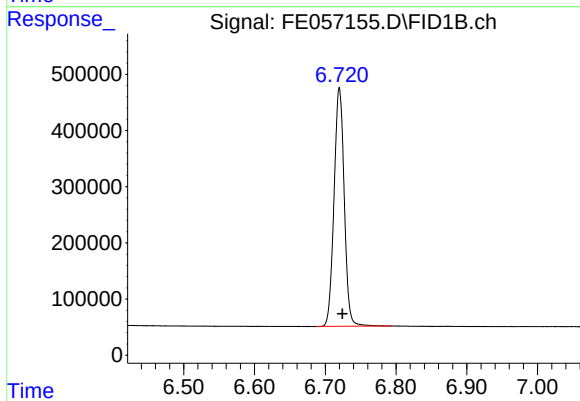
#2 n-Decane (C10)

R.T.: 4.547 min
Delta R.T.: -0.004 min
Response: 4211459
Conc: 20.82 ug/ml



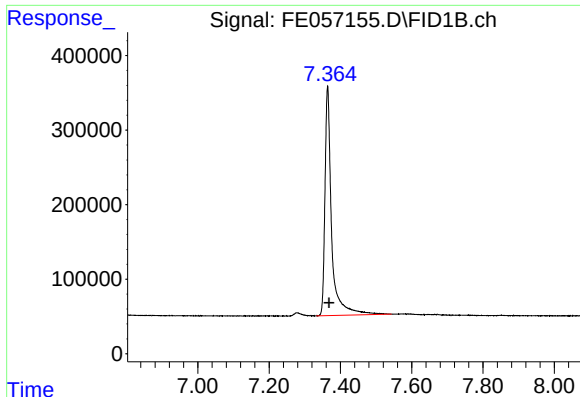
#3 A~Naphthalene (C11.7)

R.T.: 6.265 min
Delta R.T.: -0.003 min
Response: 4215761
Conc: 20.94 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.720 min
Delta R.T.: -0.004 min
Response: 4257478
Conc: 20.86 ug/ml



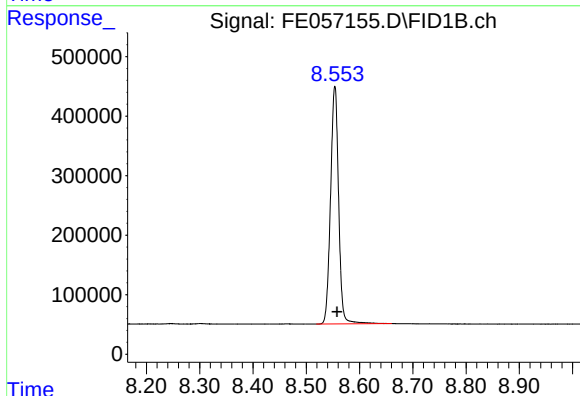
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.364 min
Delta R.T.: -0.003 min
Response: 3996149
Conc: 20.80 ug/ml

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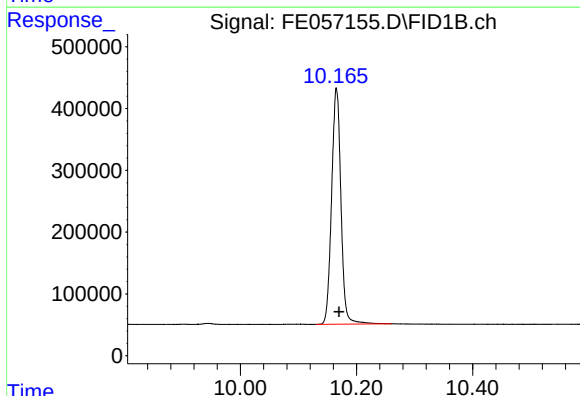
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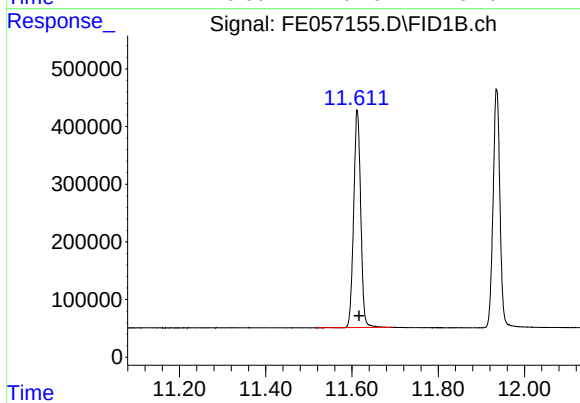
#6 n-Tetradecane (C14)

R.T.: 8.554 min
Delta R.T.: -0.004 min
Response: 4195528
Conc: 20.84 ug/ml



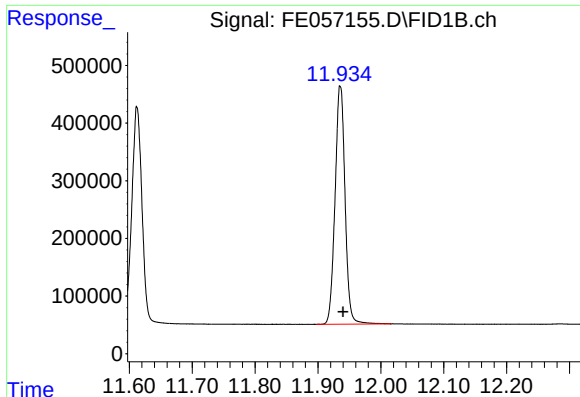
#7 n-Hexadecane (C16)

R.T.: 10.166 min
Delta R.T.: -0.004 min
Response: 4265753
Conc: 20.80 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.612 min
Delta R.T.: -0.004 min
Response: 4283816
Conc: 20.78 ug/ml



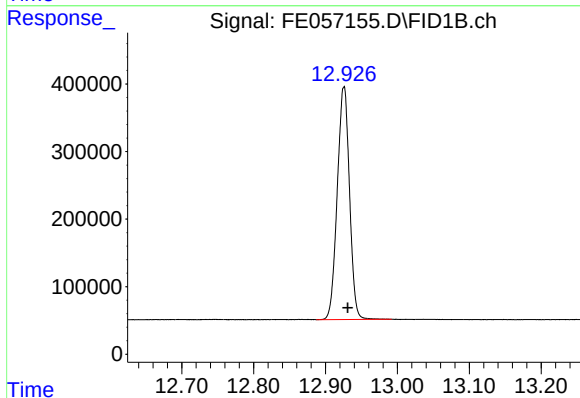
#9 ortho-Terphenyl (SURR)

R.T.: 11.936 min
Delta R.T.: -0.004 min
Response: 4561445
Conc: 20.79 ug/ml

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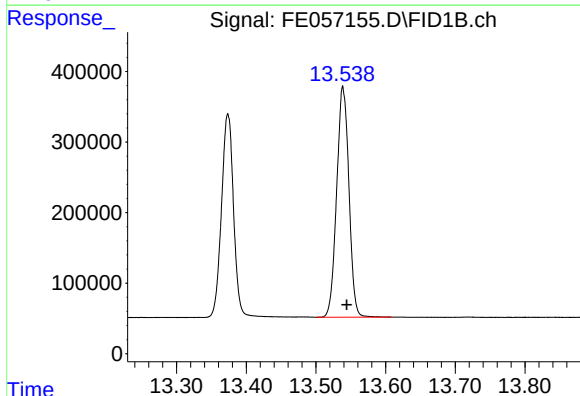
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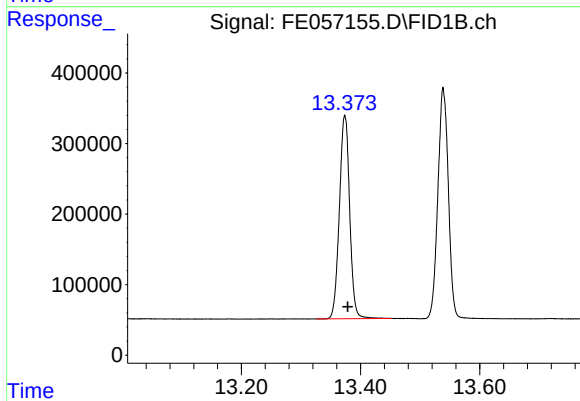
#10 n-Eicosane (C20)

R.T.: 12.926 min
Delta R.T.: -0.005 min
Response: 4074789
Conc: 20.71 ug/ml



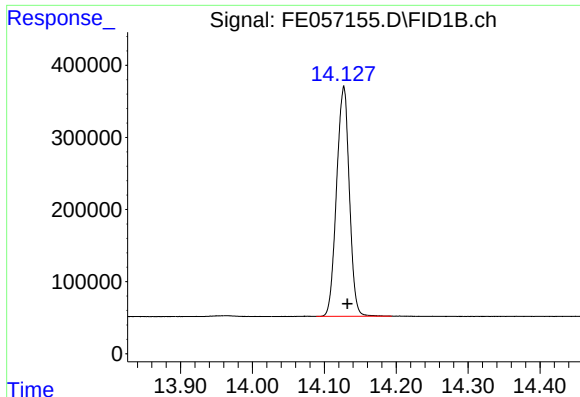
#11 n-Heneicosane (C21)

R.T.: 13.539 min
Delta R.T.: -0.005 min
Response: 3990747
Conc: 20.77 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.374 min
Delta R.T.: -0.005 min
Response: 3460599
Conc: 20.79 ug/ml



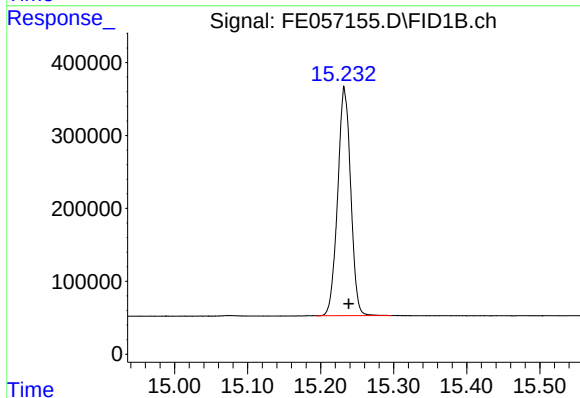
#13 n-Docosane (C22)

R.T.: 14.127 min
Delta R.T.: -0.006 min
Response: 3932523
Conc: 20.37 ug/ml

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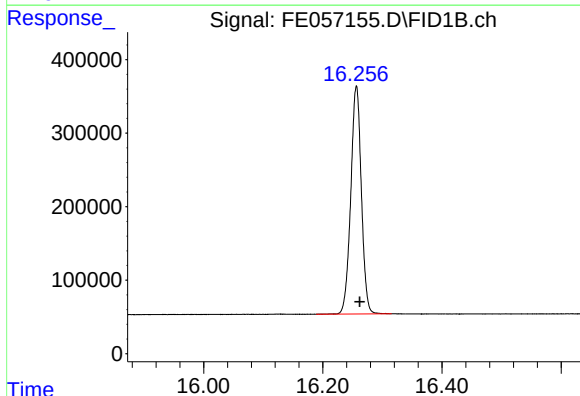
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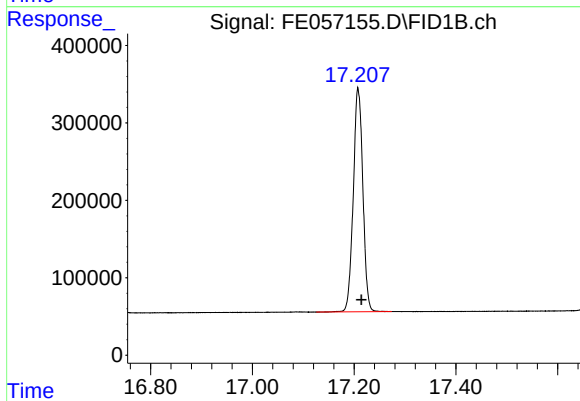
#14 n-Tetracosane (C24)

R.T.: 15.233 min
Delta R.T.: -0.006 min
Response: 3881135
Conc: 19.60 ug/ml



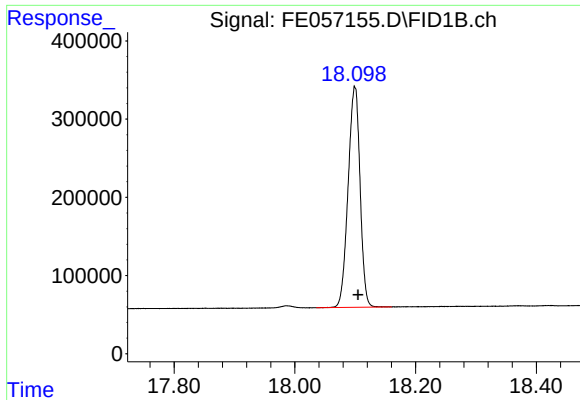
#15 n-Hexacosane (C26)

R.T.: 16.256 min
Delta R.T.: -0.005 min
Response: 3818841
Conc: 19.25 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.208 min
Delta R.T.: -0.006 min
Response: 3781759
Conc: 18.40 ug/ml



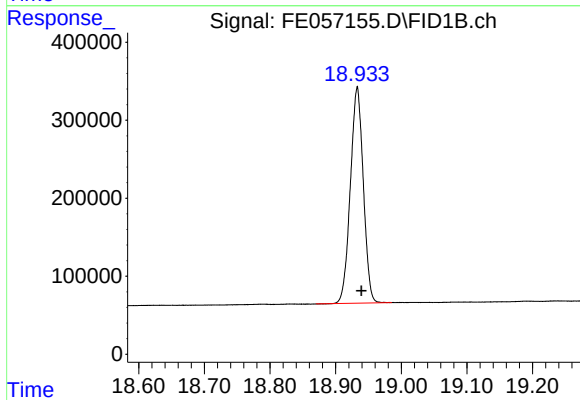
#17 n-Tricontane (C30)

R.T.: 18.099 min
Delta R.T.: -0.006 min
Response: 3874582
Conc: 17.26 ug/ml

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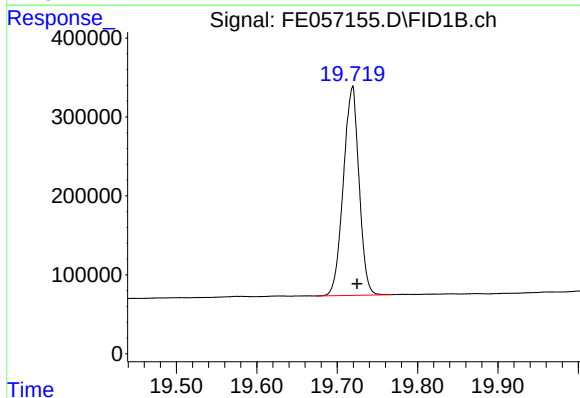
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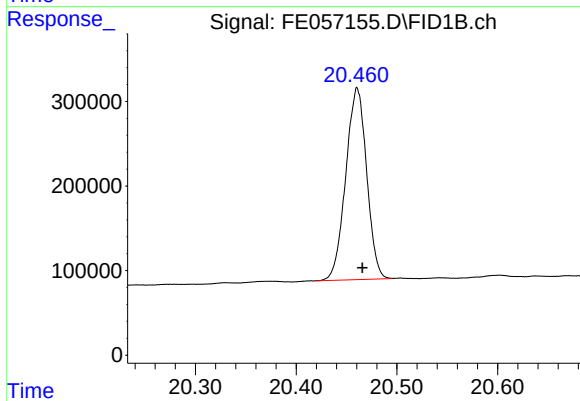
#18 n-Dotriacontane (C32)

R.T.: 18.933 min
Delta R.T.: -0.007 min
Response: 3794107
Conc: 16.25 ug/ml



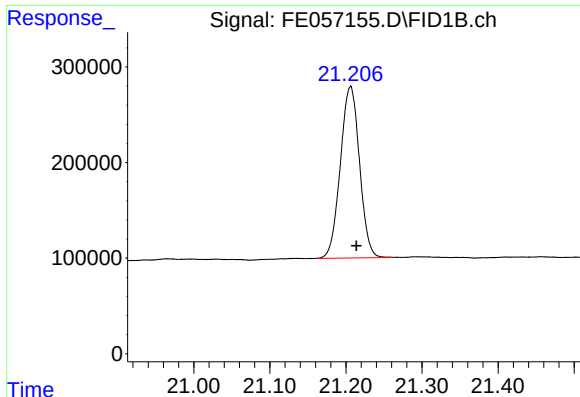
#19 n-Tetratriacontane (C34)

R.T.: 19.719 min
Delta R.T.: -0.005 min
Response: 3598686
Conc: 16.85 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.460 min
Delta R.T.: -0.006 min
Response: 3271916
Conc: 17.58 ug/ml m



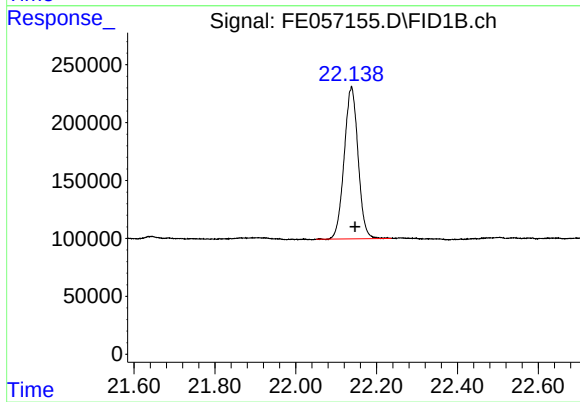
#21 n-Octatriacontane (C38)

R.T.: 21.206 min
Delta R.T.: -0.008 min
Response: 3142315
Conc: 18.13 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.138 min
Delta R.T.: -0.009 min
Response: 3118991
Conc: 18.51 ug/ml