

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120125AL\
 Data File : FE057115.D
 Signal(s) : FID1B.ch
 Acq On : 02 Dec 2025 00:40
 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 12/02/2025
 Supervised By :mohammad ahmed 12/03/2025

Integration File: autoint1.e
 Quant Time: Dec 02 01:31:18 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)	11.941	4888720	22.278 ug/ml
Spiked Amount 50.000		Recovery =	44.56%
12) S 1-chlorooctadecane (S...	13.379	3704442	22.259 ug/ml
Spiked Amount 50.000		Recovery =	44.52%
Target Compounds			
1) T n-Nonane (C9)	3.298	4449291	22.746 ug/ml
2) T n-Decane (C10)	4.552	4549551	22.494 ug/ml
3) T A~Naphthalene (C11.7)	6.269	4617994	22.937 ug/ml
4) T n-Dodecane (C12)	6.724	4600872	22.543 ug/ml
5) T A~2-methylnaphthalene...	7.368	4350901	22.643 ug/ml
6) T n-Tetradecane (C14)	8.558	4508317	22.398 ug/ml
7) T n-Hexadecane (C16)	10.170	4573819	22.303 ug/ml
8) T n-Octadecane (C18)	11.618	4570103	22.173 ug/ml
10) T n-Eicosane (C20)	12.931	4334004	22.032 ug/ml
11) T n-Heneicosane (C21)	13.545	4239435	22.066 ug/ml
13) T n-Docosane (C22)	14.132	4194550	21.729 ug/ml
14) T n-Tetracosane (C24)	15.238	4145683	20.932 ug/ml
15) T n-Hexacosane (C26)	16.263	4088362	20.608 ug/ml
16) T n-Octacosane (C28)	17.215	4123685	20.067 ug/ml
17) T n-Tricontane (C30)	18.104	4508448	20.089 ug/ml
18) T n-Dotriacontane (C32)	18.940	4862362	20.830 ug/ml
19) T n-Tetratriacontane (C34)	19.725	4917453	23.023 ug/ml
20) T n-Hexatriacontane (C36)	20.468	4652282	24.995 ug/ml
21) T n-Octatriacontane (C38)	21.216	4262872	24.597 ug/ml
22) T n-Tetracontane (C40)	22.146	3806618	22.589 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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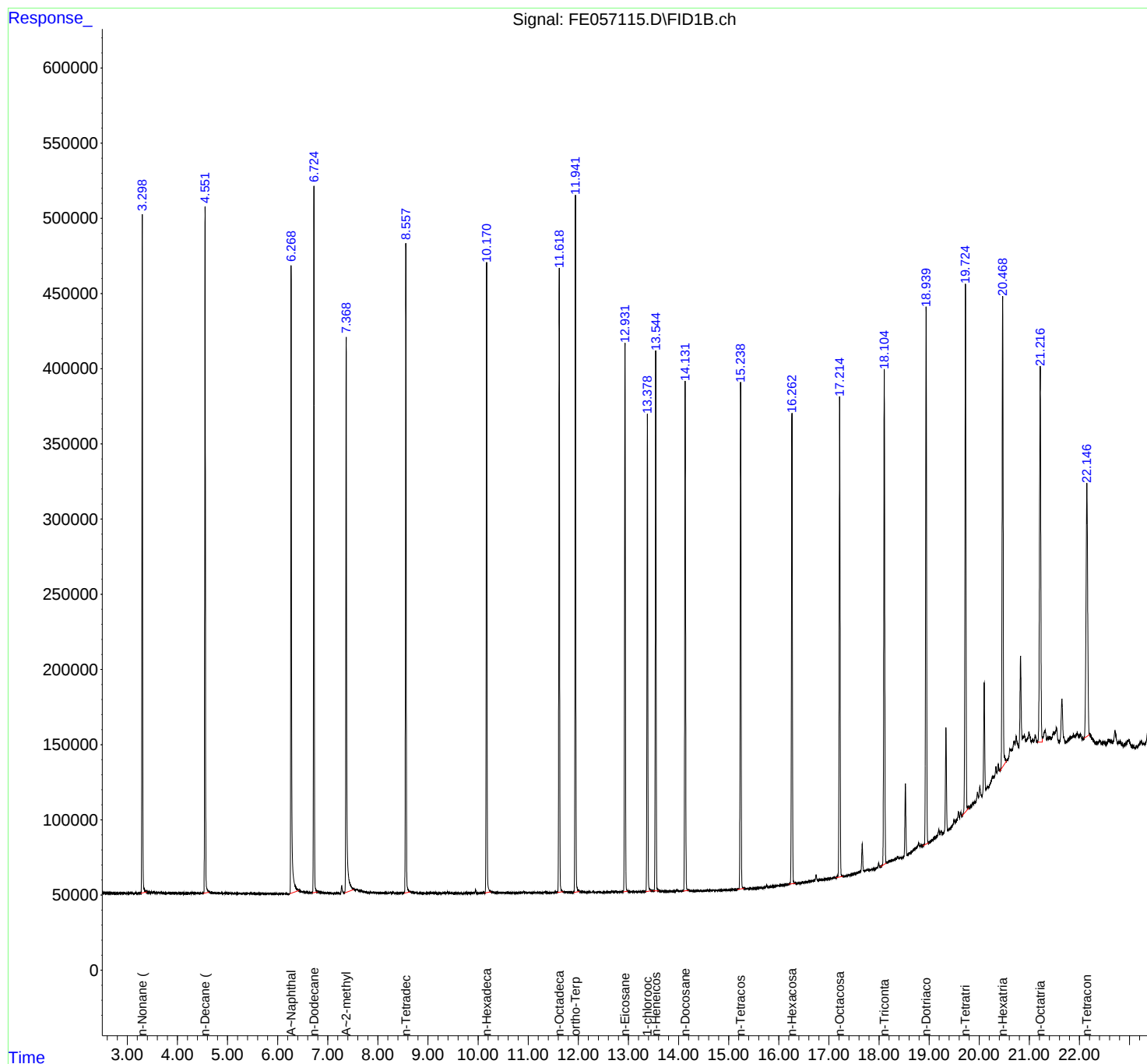
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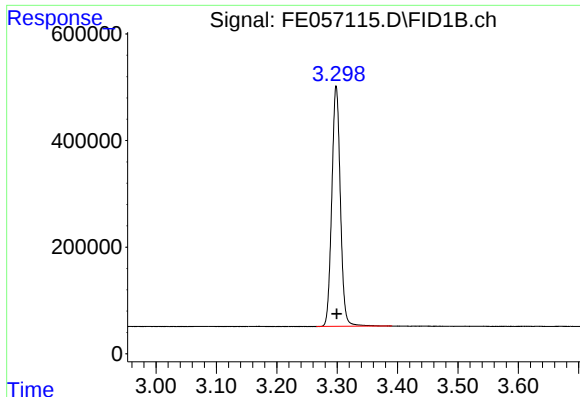
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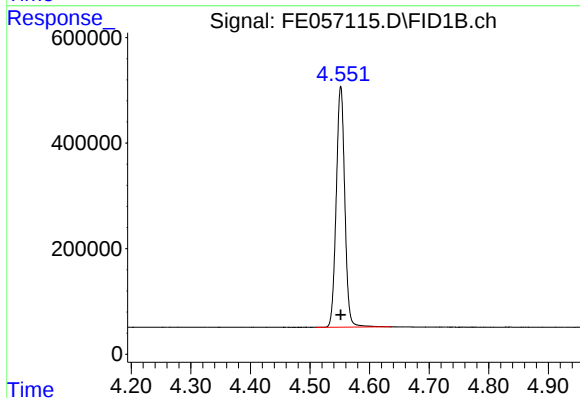
#1 n-Nonane (C9)

R.T.: 3.298 min
Delta R.T.: 0.000 min
Response: 4449291
Conc: 22.75 ug/ml

Instrument :
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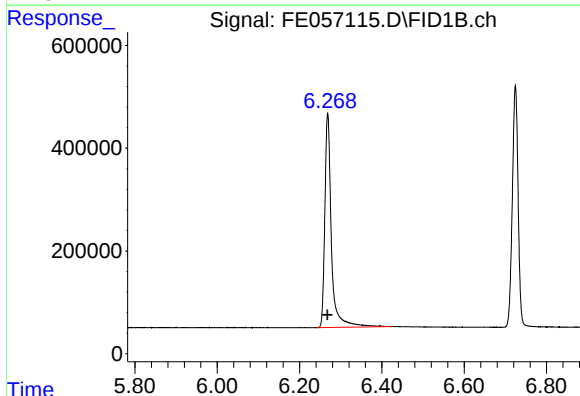
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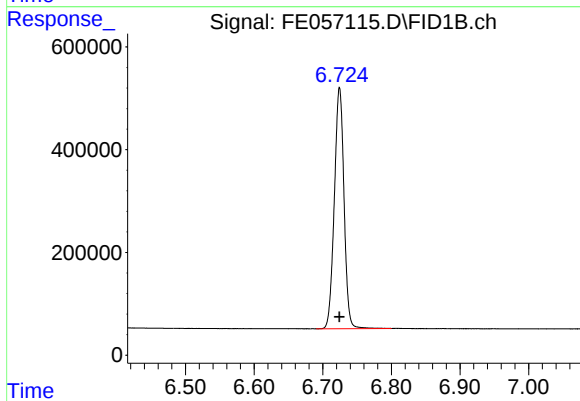
#2 n-Decane (C10)

R.T.: 4.552 min
Delta R.T.: 0.000 min
Response: 4549551
Conc: 22.49 ug/ml



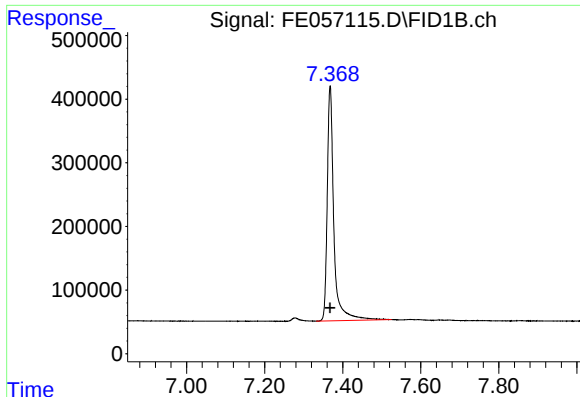
#3 A~Naphthalene (C11.7)

R.T.: 6.269 min
Delta R.T.: 0.000 min
Response: 4617994
Conc: 22.94 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.724 min
Delta R.T.: 0.000 min
Response: 4600872
Conc: 22.54 ug/ml



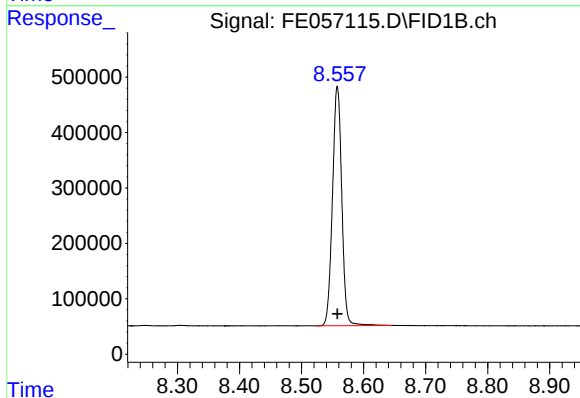
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.368 min
Delta R.T.: 0.000 min
Response: 4350901
Conc: 22.64 ug/ml

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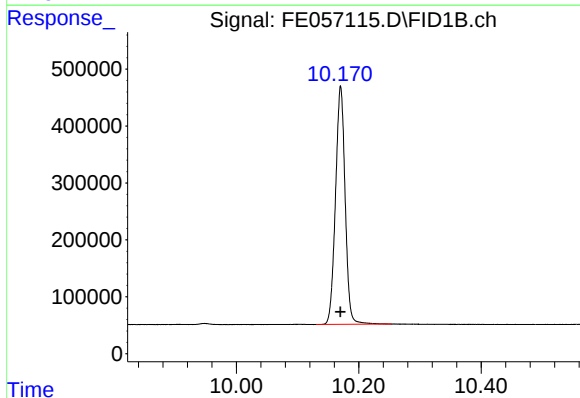
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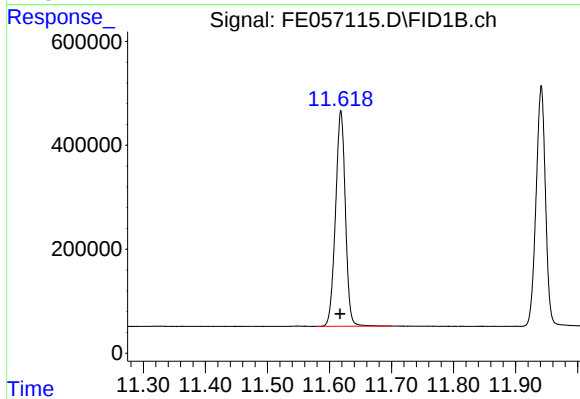
#6 n-Tetradecane (C14)

R.T.: 8.558 min
Delta R.T.: 0.000 min
Response: 4508317
Conc: 22.40 ug/ml



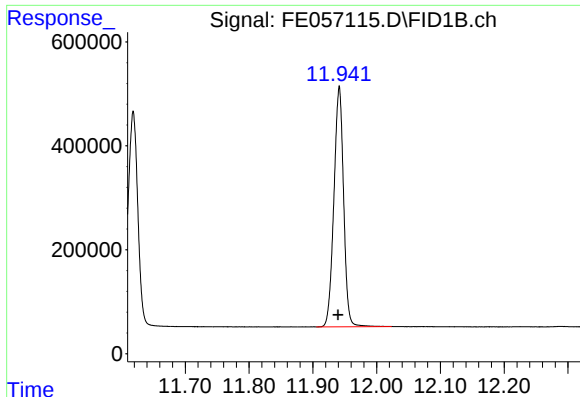
#7 n-Hexadecane (C16)

R.T.: 10.170 min
Delta R.T.: 0.000 min
Response: 4573819
Conc: 22.30 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.618 min
Delta R.T.: 0.002 min
Response: 4570103
Conc: 22.17 ug/ml



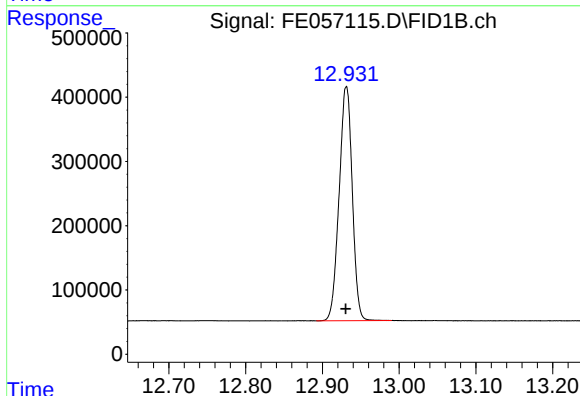
#9 ortho-Terphenyl (SURR)

R.T.: 11.941 min
Delta R.T.: 0.001 min
Response: 4888720
Conc: 22.28 ug/ml

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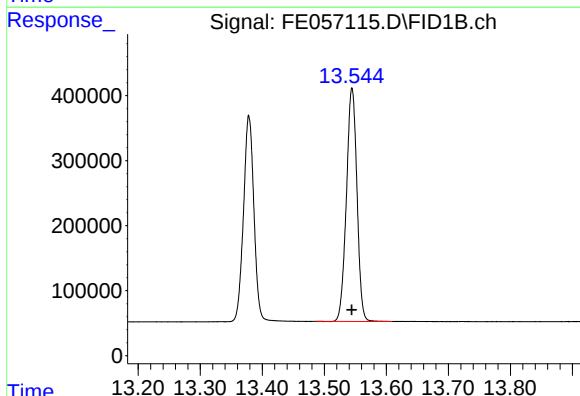
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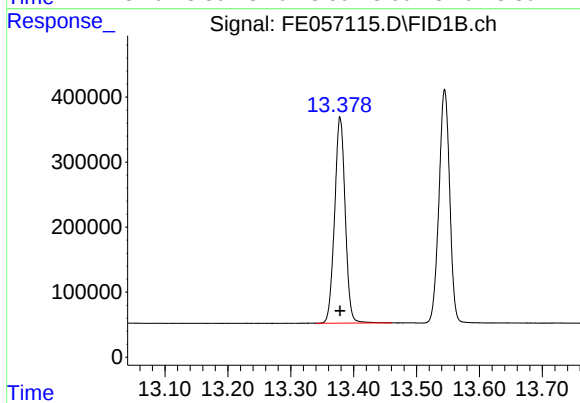
#10 n-Eicosane (C20)

R.T.: 12.931 min
Delta R.T.: 0.000 min
Response: 4334004
Conc: 22.03 ug/ml



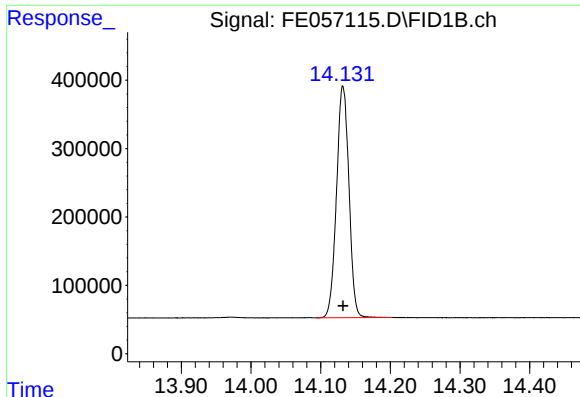
#11 n-Heneicosane (C21)

R.T.: 13.545 min
Delta R.T.: 0.000 min
Response: 4239435
Conc: 22.07 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.379 min
Delta R.T.: 0.000 min
Response: 3704442
Conc: 22.26 ug/ml



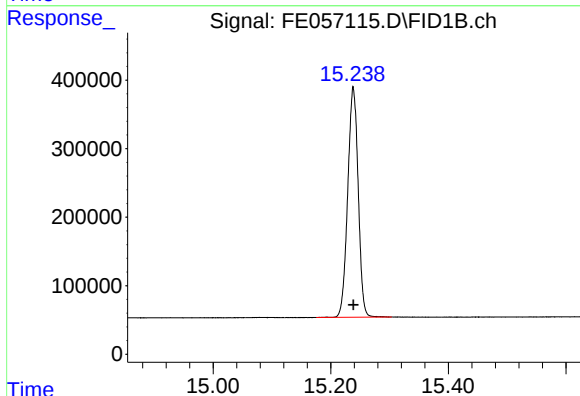
#13 n-Docosane (C22)

R.T.: 14.132 min
Delta R.T.: 0.000 min
Response: 4194550
Conc: 21.73 ug/ml

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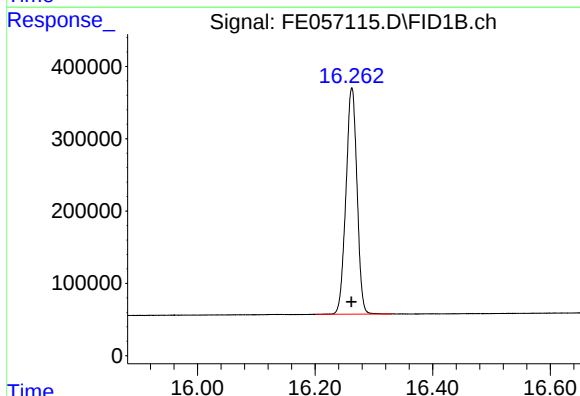
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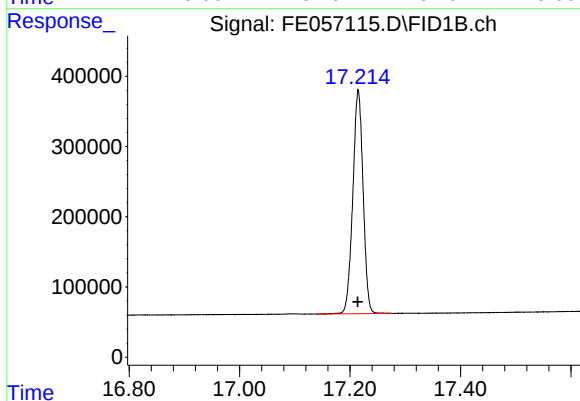
#14 n-Tetracosane (C24)

R.T.: 15.238 min
Delta R.T.: 0.000 min
Response: 4145683
Conc: 20.93 ug/ml



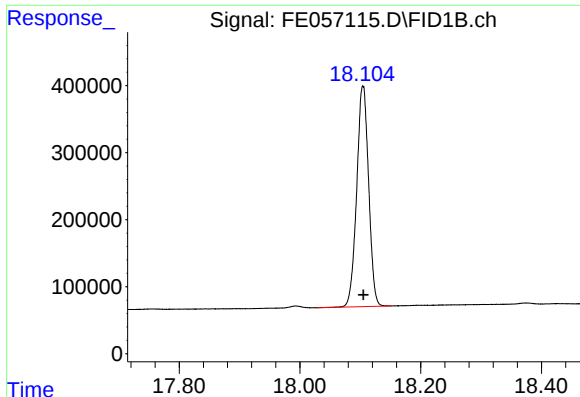
#15 n-Hexacosane (C26)

R.T.: 16.263 min
Delta R.T.: 0.000 min
Response: 4088362
Conc: 20.61 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.215 min
Delta R.T.: 0.000 min
Response: 4123685
Conc: 20.07 ug/ml



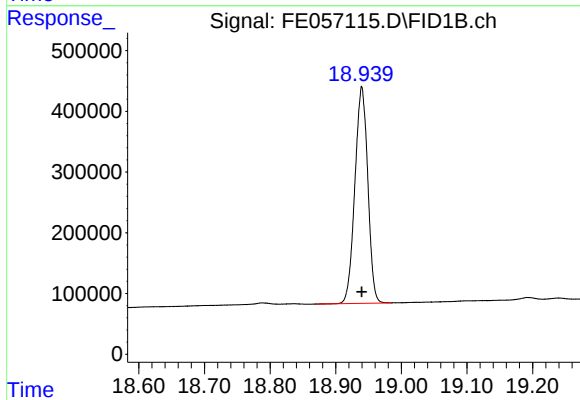
#17 n-Tricontane (C30)

R.T.: 18.104 min
Delta R.T.: 0.000 min
Response: 4508448
Conc: 20.09 ug/ml

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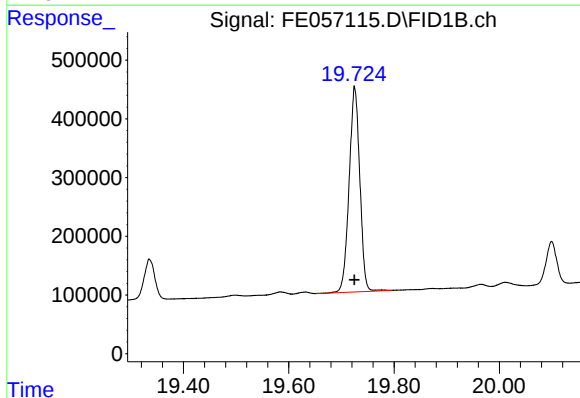
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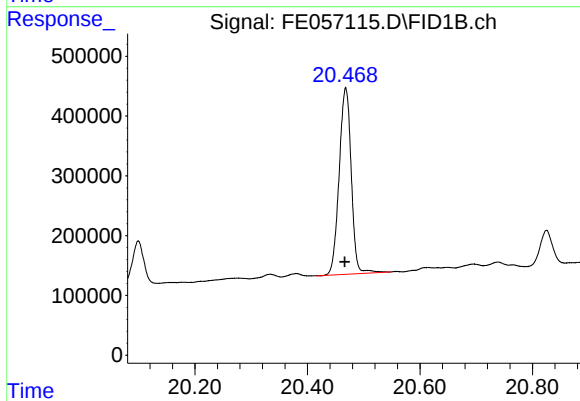
#18 n-Dotriacontane (C32)

R.T.: 18.940 min
Delta R.T.: 0.000 min
Response: 4862362
Conc: 20.83 ug/ml



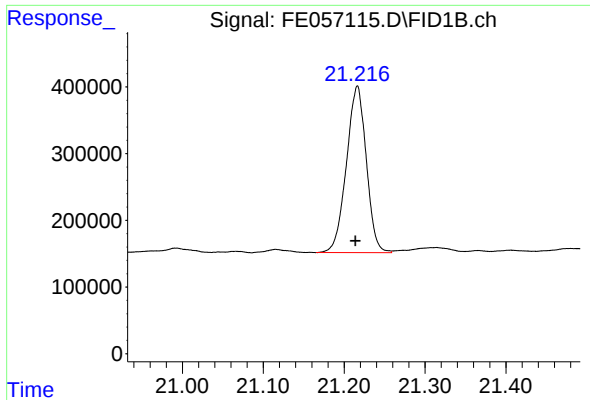
#19 n-Tetratriacontane (C34)

R.T.: 19.725 min
Delta R.T.: 0.000 min
Response: 4917453
Conc: 23.02 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.468 min
Delta R.T.: 0.002 min
Response: 4652282
Conc: 24.99 ug/ml



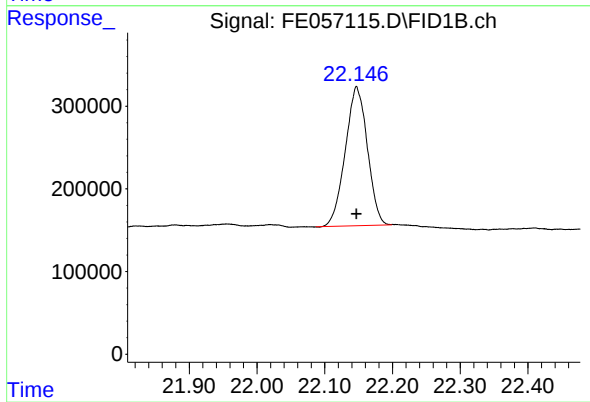
#21 n-Octatriacontane (C38)

R.T.: 21.216 min
Delta R.T.: 0.002 min
Response: 4262872
Conc: 24.60 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.146 min
Delta R.T.: 0.000 min
Response: 3806618
Conc: 22.59 ug/ml m