

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112625AL\
 Data File : FE057064.D
 Signal(s) : FID1B.ch
 Acq On : 27 Nov 2025 01:42
 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 12/01/2025
 Supervised By :mohammad ahmed 12/02/2025

Integration File: sample.E
 Quant Time: Nov 28 20:00:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
 Quant Title : GC Extractables
 QLast Update : Tue Nov 18 13:37:28 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)	11.943	3873084	18.539 ug/ml
Spiked Amount 50.000		Recovery =	37.08%
12) S 1-chlorooctadecane (S...	13.381	2945668	18.283 ug/ml
Spiked Amount 50.000		Recovery =	36.57%
Target Compounds			
1) T n-Nonane (C9)	3.301	3297877	19.634 ug/ml
2) T n-Decane (C10)	4.554	3534884	20.600 ug/ml
3) T A~Naphthalene (C11.7)	6.271	3574869	19.367 ug/ml
4) T n-Dodecane (C12)	6.726	3598701	20.690 ug/ml
5) T A~2-methylnaphthalene...	7.370	3392211	19.141 ug/ml
6) T n-Tetradecane (C14)	8.560	3565650	20.427 ug/ml
7) T n-Hexadecane (C16)	10.172	3637352	19.881 ug/ml
8) T n-Octadecane (C18)	11.620	3638944	19.226 ug/ml
10) T n-Eicosane (C20)	12.933	3458598	18.558 ug/ml
11) T n-Heneicosane (C21)	13.546	3370607	18.330 ug/ml
13) T n-Docosane (C22)	14.135	3383839	18.076 ug/ml
14) T n-Tetracosane (C24)	15.241	3393429	17.325 ug/ml
15) T n-Hexacosane (C26)	16.264	3363497	17.307 ug/ml
16) T n-Octacosane (C28)	17.217	3468378	17.909 ug/ml
17) T n-Tricontane (C30)	18.107	3750050	18.704 ug/ml
18) T n-Dotriacontane (C32)	18.942	3856937	19.613 ug/ml
19) T n-Tetratriacontane (C34)	19.728	3585045	20.770 ug/ml
20) T n-Hexatriacontane (C36)	20.470	3172208	21.929 ug/ml
21) T n-Octatriacontane (C38)	21.218	2993561	23.785 ug/ml
22) T n-Tetracontane (C40)	22.151	2822416	24.412 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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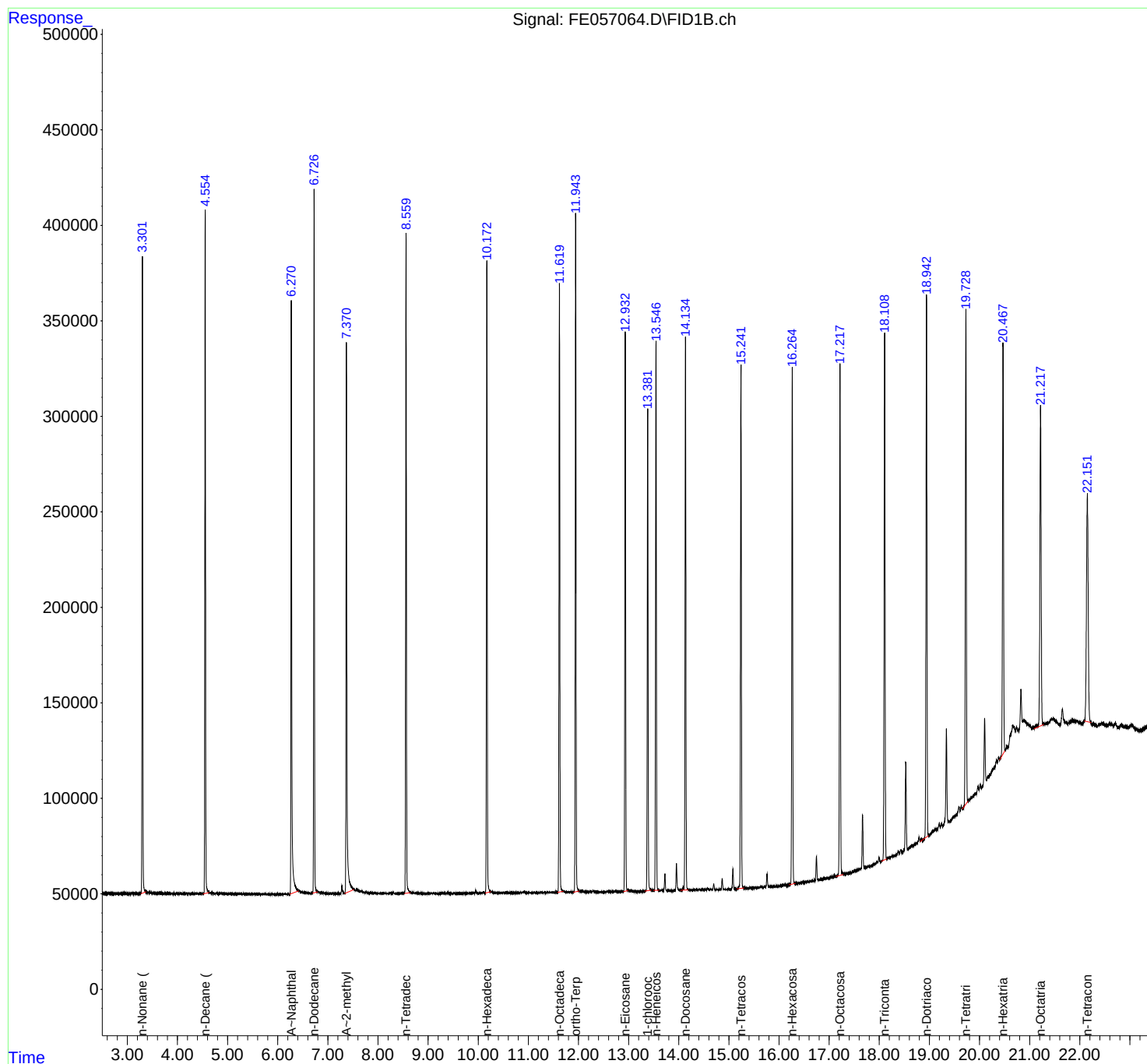
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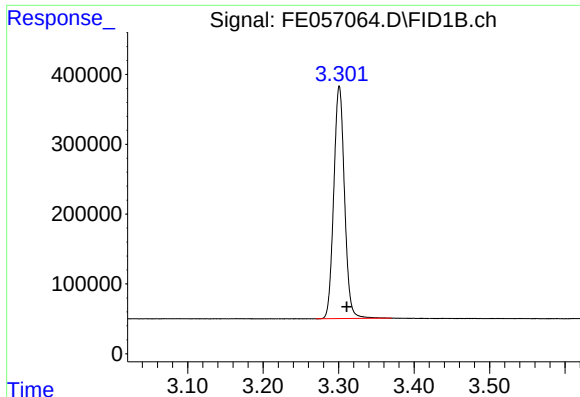
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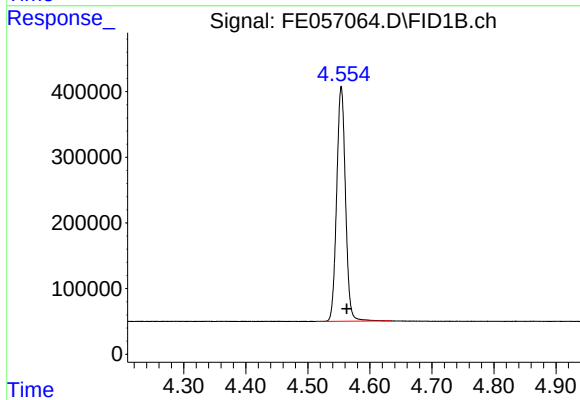
#1 n-Nonane (C9)

R.T.: 3.301 min
Delta R.T.: -0.010 min
Response: 3297877
Conc: 19.63 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

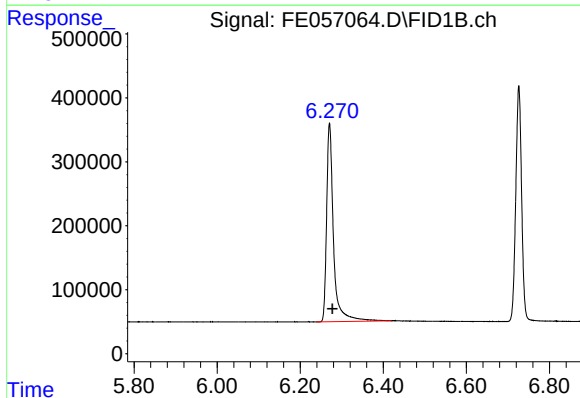
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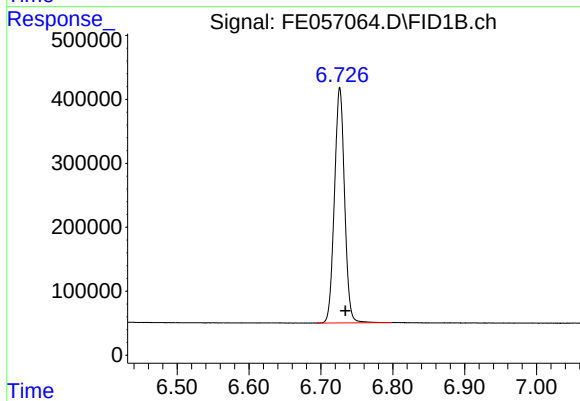
#2 n-Decane (C10)

R.T.: 4.554 min
Delta R.T.: -0.009 min
Response: 3534884
Conc: 20.60 ug/ml



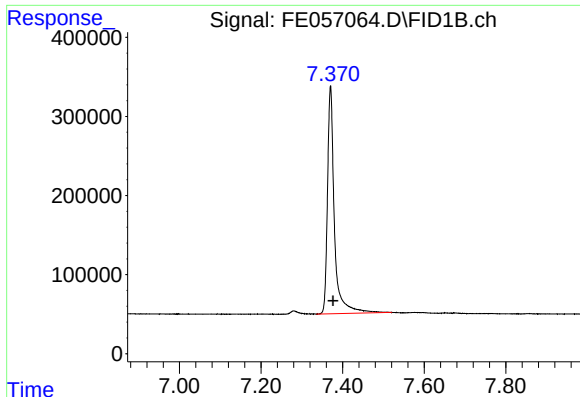
#3 A~Naphthalene (C11.7)

R.T.: 6.271 min
Delta R.T.: -0.007 min
Response: 3574869
Conc: 19.37 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.726 min
Delta R.T.: -0.008 min
Response: 3598701
Conc: 20.69 ug/ml



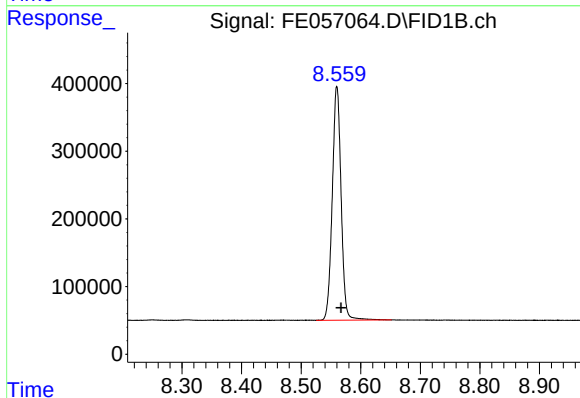
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.370 min
Delta R.T.: -0.006 min
Response: 3392211
Conc: 19.14 ug/ml

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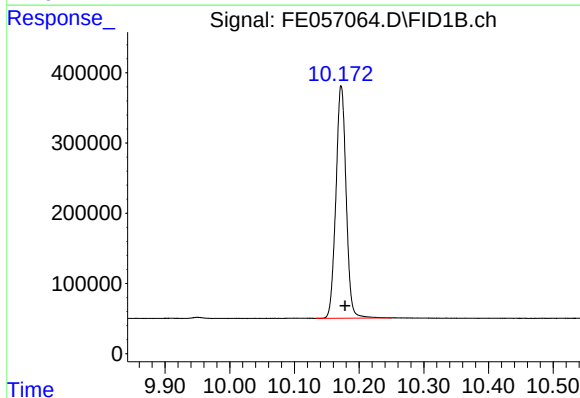
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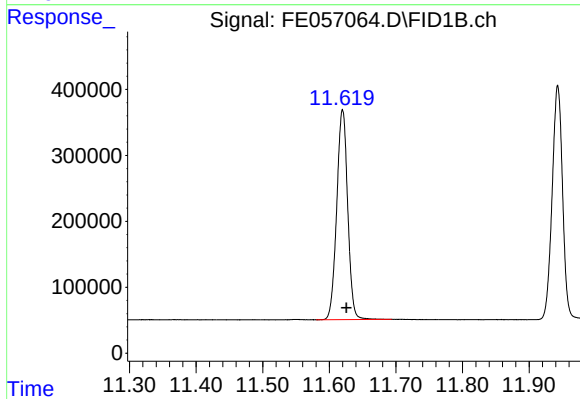
#6 n-Tetradecane (C14)

R.T.: 8.560 min
Delta R.T.: -0.007 min
Response: 3565650
Conc: 20.43 ug/ml



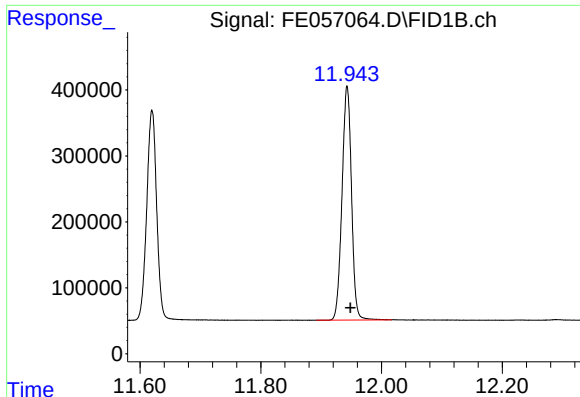
#7 n-Hexadecane (C16)

R.T.: 10.172 min
Delta R.T.: -0.006 min
Response: 3637352
Conc: 19.88 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.620 min
Delta R.T.: -0.006 min
Response: 3638944
Conc: 19.23 ug/ml



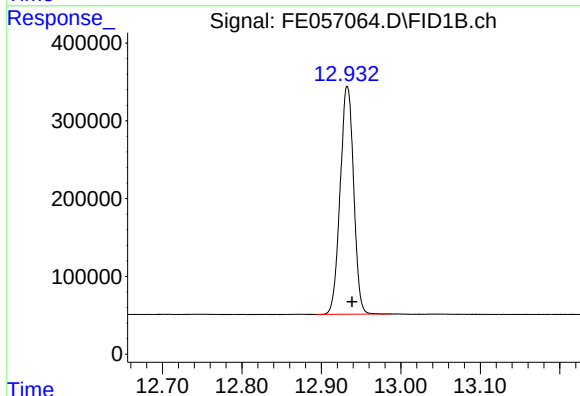
#9 ortho-Terphenyl (SURR)

R.T.: 11.943 min
Delta R.T.: -0.005 min
Response: 3873084
Conc: 18.54 ug/ml

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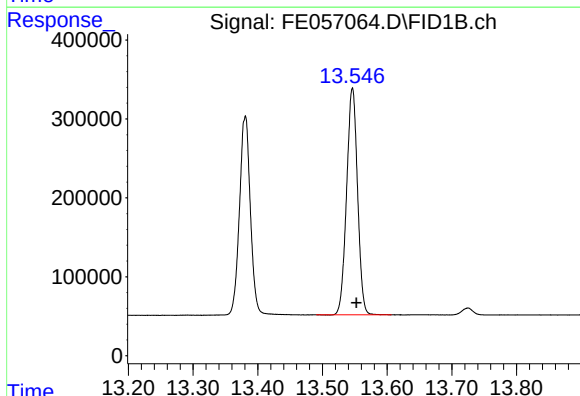
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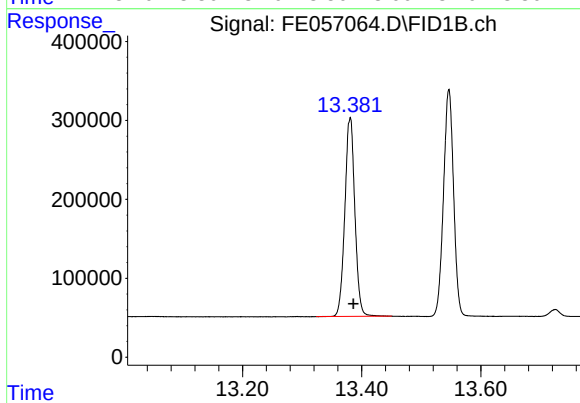
#10 n-Eicosane (C20)

R.T.: 12.933 min
Delta R.T.: -0.006 min
Response: 3458598
Conc: 18.56 ug/ml



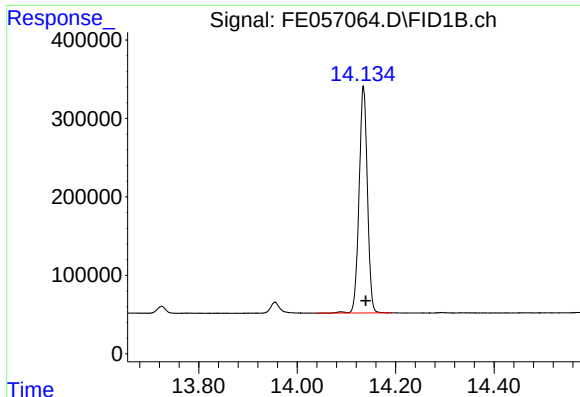
#11 n-Heneicosane (C21)

R.T.: 13.546 min
Delta R.T.: -0.006 min
Response: 3370607
Conc: 18.33 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.381 min
Delta R.T.: -0.006 min
Response: 2945668
Conc: 18.28 ug/ml



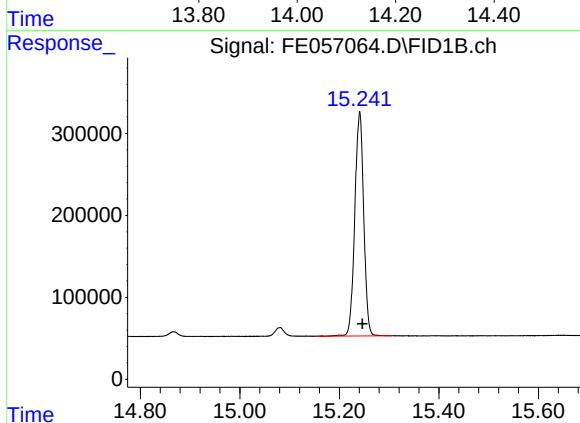
#13 n-Docosane (C22)

R.T.: 14.135 min
Delta R.T.: -0.005 min
Response: 3383839
Conc: 18.08 ug/ml

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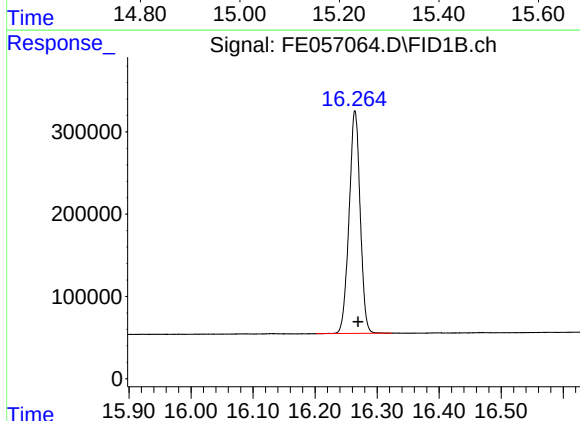
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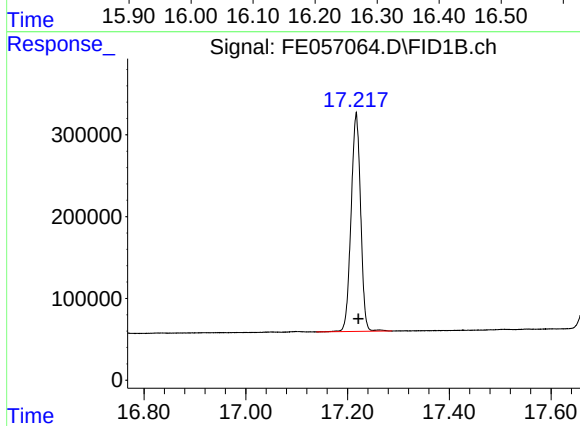
#14 n-Tetracosane (C24)

R.T.: 15.241 min
Delta R.T.: -0.006 min
Response: 3393429
Conc: 17.33 ug/ml



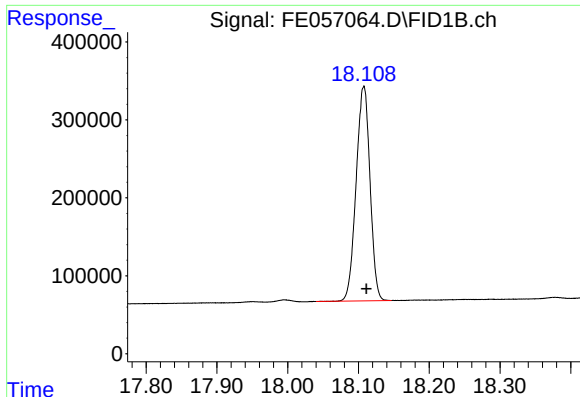
#15 n-Hexacosane (C26)

R.T.: 16.264 min
Delta R.T.: -0.005 min
Response: 3363497
Conc: 17.31 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.217 min
Delta R.T.: -0.004 min
Response: 3468378
Conc: 17.91 ug/ml



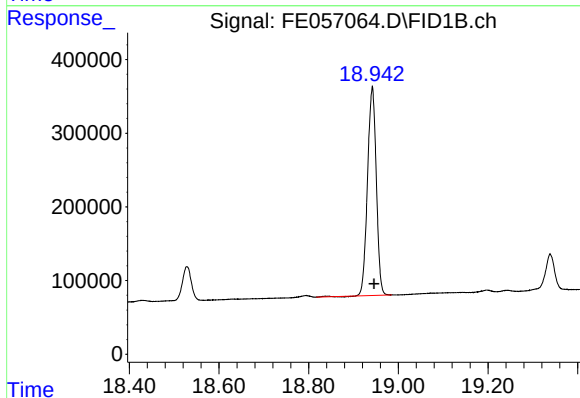
#17 n-Tricontane (C30)

R.T.: 18.107 min
Delta R.T.: -0.004 min
Response: 3750050
Conc: 18.70 ug/ml

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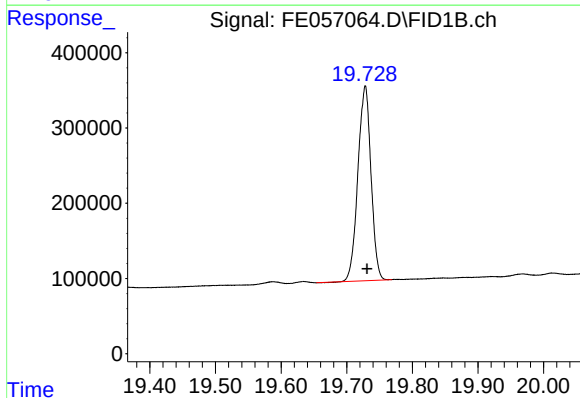
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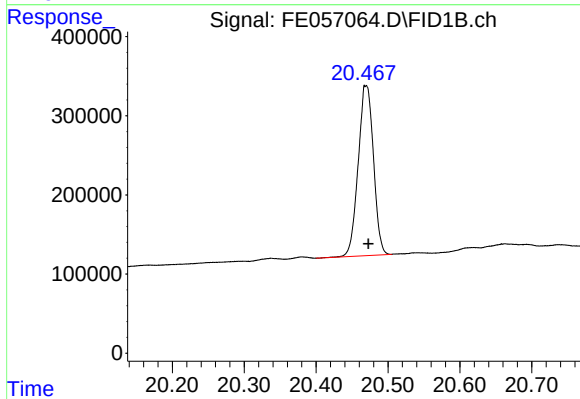
#18 n-Dotriacontane (C32)

R.T.: 18.942 min
Delta R.T.: -0.004 min
Response: 3856937
Conc: 19.61 ug/ml



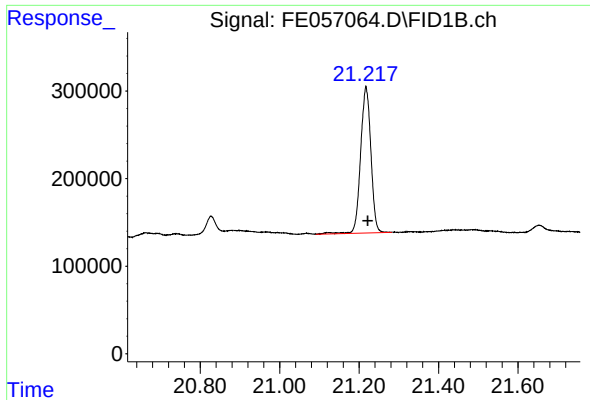
#19 n-Tetratriacontane (C34)

R.T.: 19.728 min
Delta R.T.: -0.003 min
Response: 3585045
Conc: 20.77 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.470 min
Delta R.T.: -0.003 min
Response: 3172208
Conc: 21.93 ug/ml



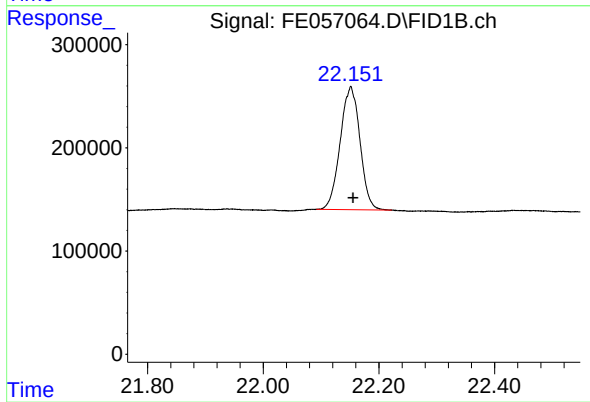
#21 n-Octatriacontane (C38)

R.T.: 21.218 min
Delta R.T.: -0.004 min
Response: 2993561
Conc: 23.78 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.151 min
Delta R.T.: -0.004 min
Response: 2822416
Conc: 24.41 ug/ml m