

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE030625AL\
 Data File : FE052652.D
 Signal(s) : FID1B.ch
 Acq On : 06 Mar 2025 08:31
 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 :Yogesh Patel 03/07/2025
 Supervised By :mohammad ahmed 03/08/2025

Integration File: autoint1.e
 Quant Time: Mar 07 02:04:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 030325.M
 Quant Title : GC Extractables
 QLast Update : Mon Mar 03 13:39:39 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)	11.918	3154121	18.709 ug/ml
Spiked Amount 50.000		Recovery =	37.42%
12) S 1-chlorooctadecane (S...	13.364	2370447	19.522 ug/ml
Spiked Amount 50.000		Recovery =	39.04%
Target Compounds			
1) T n-Nonane (C9)	3.253	3042042	19.620 ug/ml
2) T n-Decane (C10)	4.515	3101839	19.745 ug/ml
3) T A~Naphthalene (C11.7)	6.230	3331433	19.644 ug/ml
4) T n-Dodecane (C12)	6.698	3050962	19.595 ug/ml
5) T A~2-methylnaphthalene...	7.334	3167561	19.546 ug/ml
6) T n-Tetradecane (C14)	8.536	2940098	19.431 ug/ml
7) T n-Hexadecane (C16)	10.152	2964158	19.388 ug/ml
8) T n-Octadecane (C18)	11.602	2938068	19.311 ug/ml
10) T n-Eicosane (C20)	12.917	2789112	19.212 ug/ml
11) T n-Heneicosane (C21)	13.532	2732751	19.200 ug/ml
13) T n-Docosane (C22)	14.121	2737309	19.235 ug/ml
14) T n-Tetracosane (C24)	15.228	2788766	19.487 ug/ml
15) T n-Hexacosane (C26)	16.254	2782920	19.571 ug/ml
16) T n-Octacosane (C28)	17.206	2810575	19.766 ug/mlm
17) T n-Tricontane (C30)	18.097	2925135	19.804 ug/ml
18) T n-Dotriacontane (C32)	18.932	2914196	20.073 ug/ml
19) T n-Tetratriacontane (C34)	19.717	2595405	19.257 ug/ml
20) T n-Hexatriacontane (C36)	20.459	2327077	19.584 ug/ml
21) T n-Octatriacontane (C38)	21.205	2276875	20.524 ug/ml
22) T n-Tetracontane (C40)	22.130	2260330	20.907 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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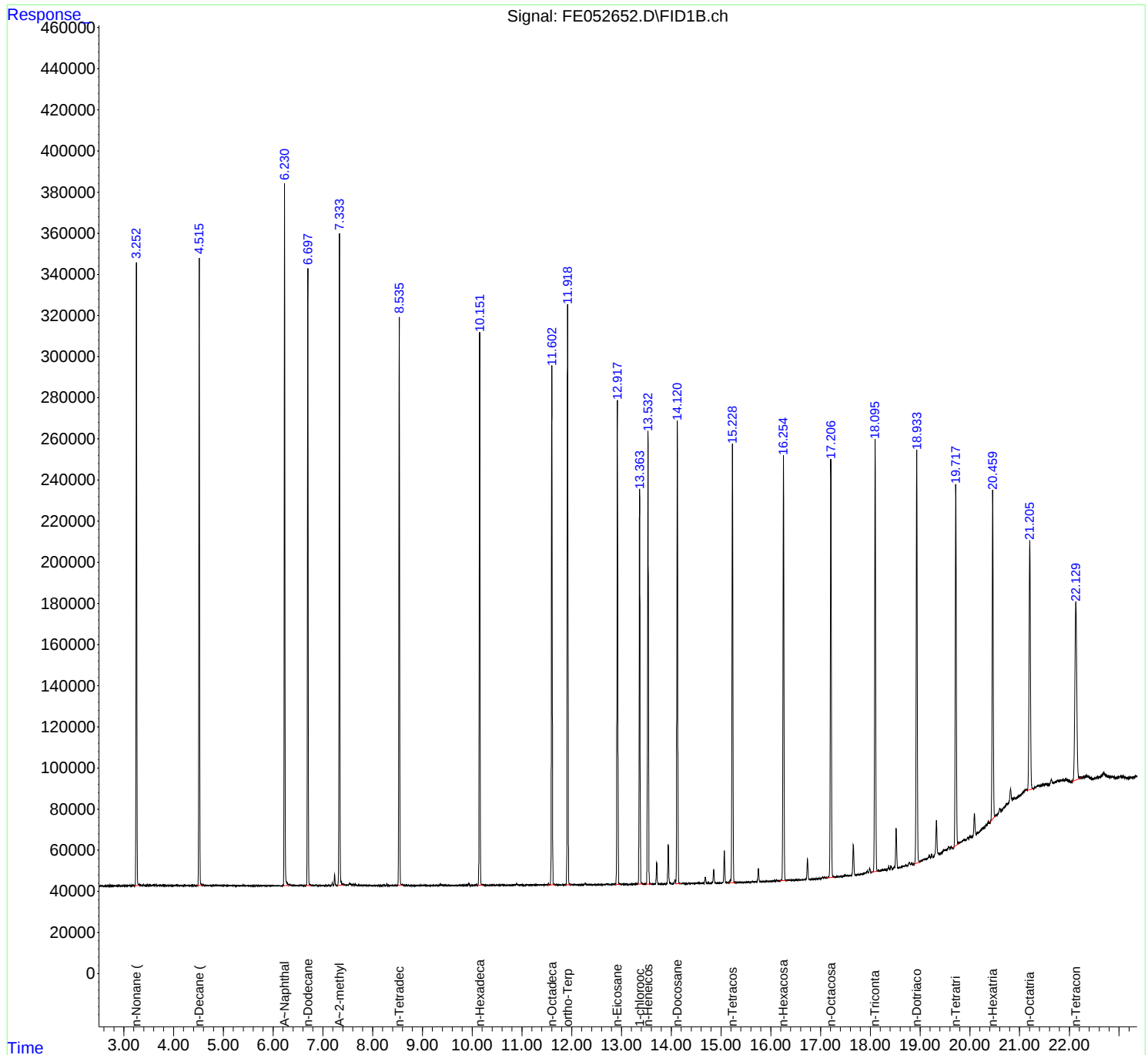
Instrument :
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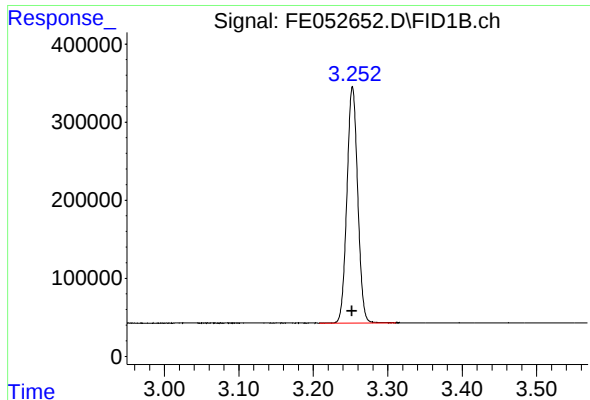
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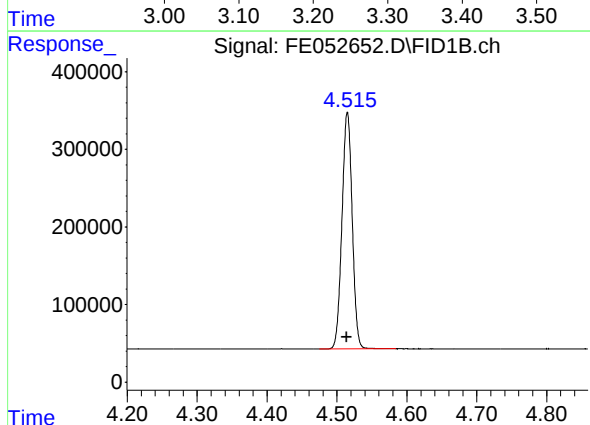
#1 n-Nonane (C9)

R.T.: 3.253 min
Delta R.T.: 0.000 min
Response: 3042042
Conc: 19.62 ug/ml

Instrument :
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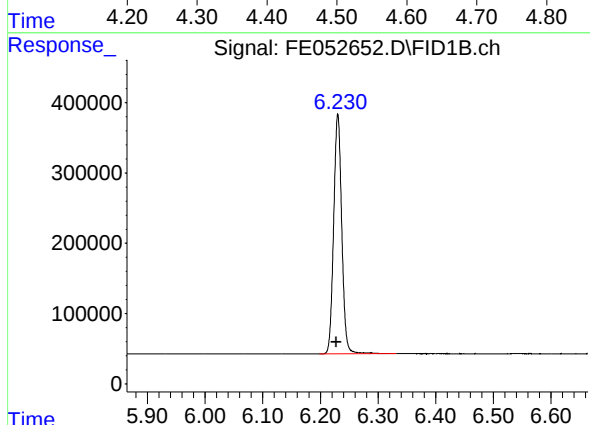
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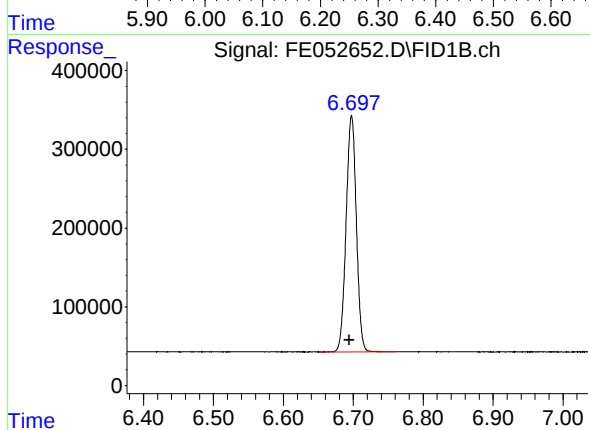
#2 n-Decane (C10)

R.T.: 4.515 min
Delta R.T.: 0.001 min
Response: 3101839
Conc: 19.74 ug/ml



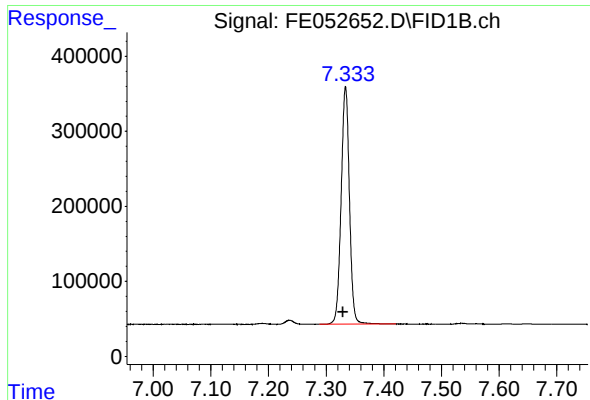
#3 A~Naphthalene (C11.7)

R.T.: 6.230 min
Delta R.T.: 0.002 min
Response: 3331433
Conc: 19.64 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.698 min
Delta R.T.: 0.003 min
Response: 3050962
Conc: 19.60 ug/ml



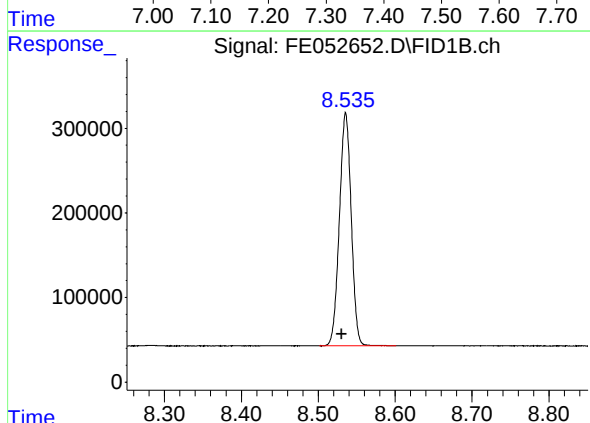
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.334 min
Delta R.T.: 0.004 min
Response: 3167561
Conc: 19.55 ug/ml

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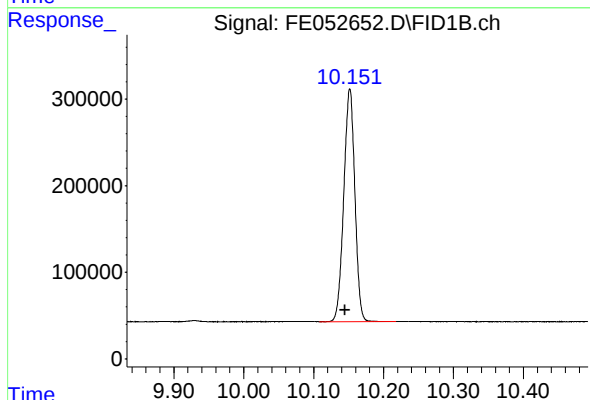
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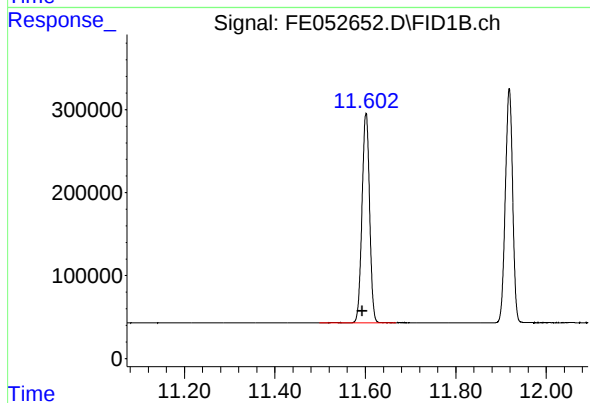
#6 n-Tetradecane (C14)

R.T.: 8.536 min
Delta R.T.: 0.005 min
Response: 2940098
Conc: 19.43 ug/ml



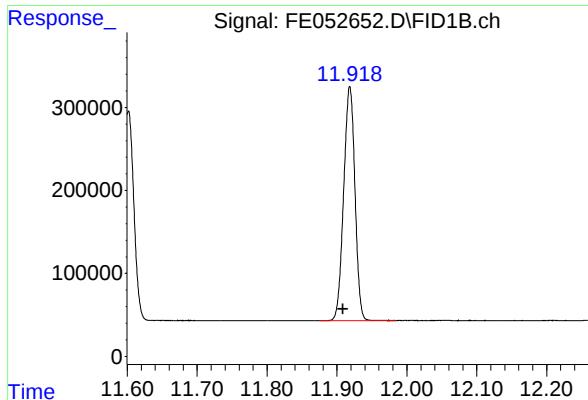
#7 n-Hexadecane (C16)

R.T.: 10.152 min
Delta R.T.: 0.007 min
Response: 2964158
Conc: 19.39 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.602 min
Delta R.T.: 0.008 min
Response: 2938068
Conc: 19.31 ug/ml



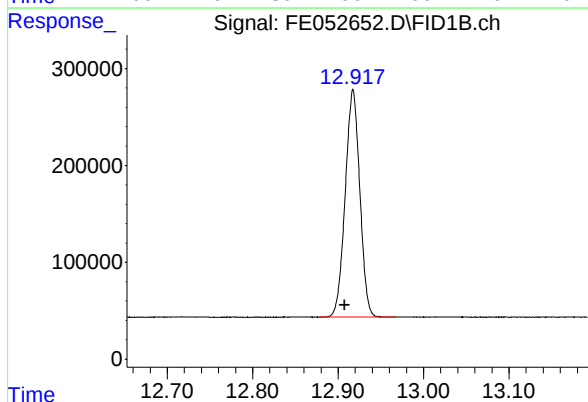
#9 ortho-Terphenyl (SURR)

R.T.: 11.918 min
Delta R.T.: 0.010 min
Response: 3154121
Conc: 18.71 ug/ml

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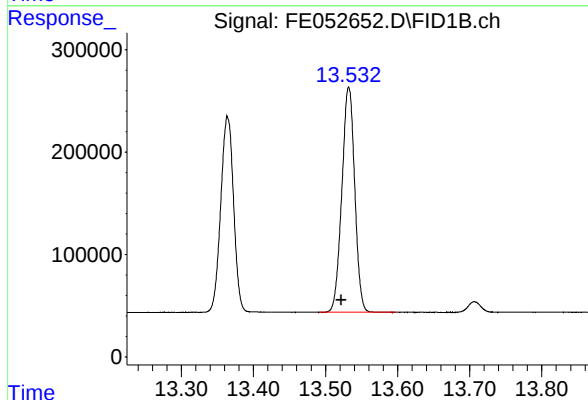
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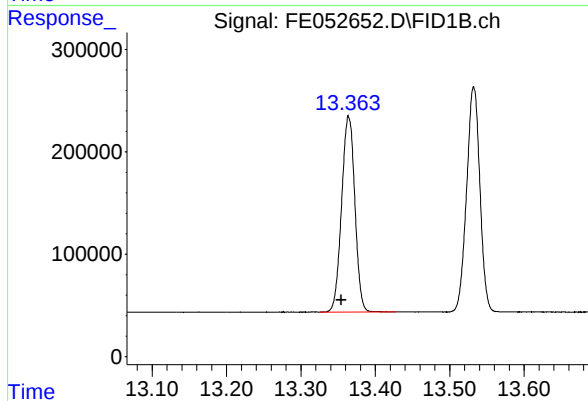
#10 n-Eicosane (C20)

R.T.: 12.917 min
Delta R.T.: 0.010 min
Response: 2789112
Conc: 19.21 ug/ml



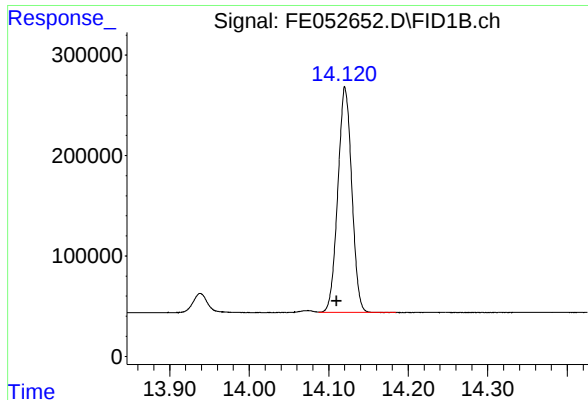
#11 n-Heneicosane (C21)

R.T.: 13.532 min
Delta R.T.: 0.010 min
Response: 2732751
Conc: 19.20 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.364 min
Delta R.T.: 0.010 min
Response: 2370447
Conc: 19.52 ug/ml



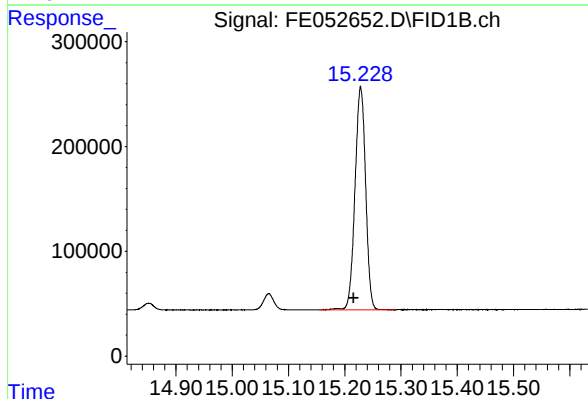
#13 n-Docosane (C22)

R.T.: 14.121 min
Delta R.T.: 0.011 min
Response: 2737309
Conc: 19.23 ug/ml

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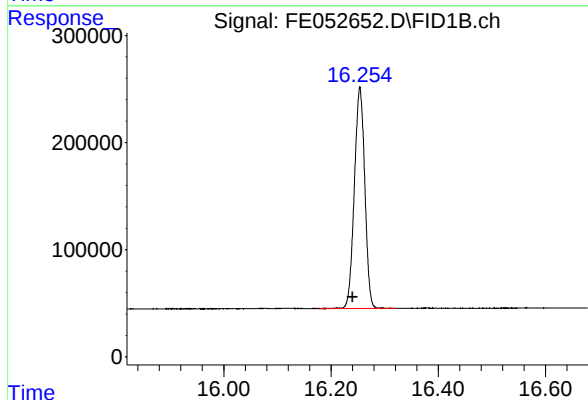
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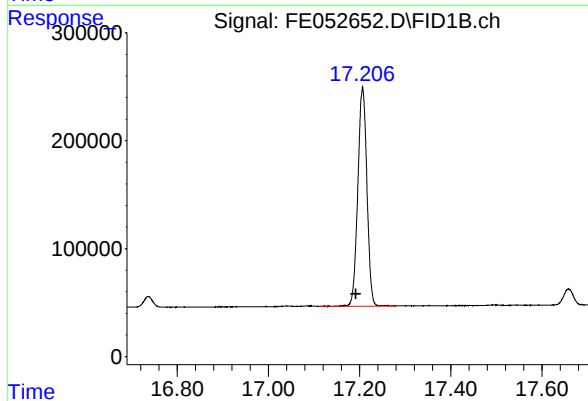
#14 n-Tetracosane (C24)

R.T.: 15.228 min
Delta R.T.: 0.012 min
Response: 2788766
Conc: 19.49 ug/ml



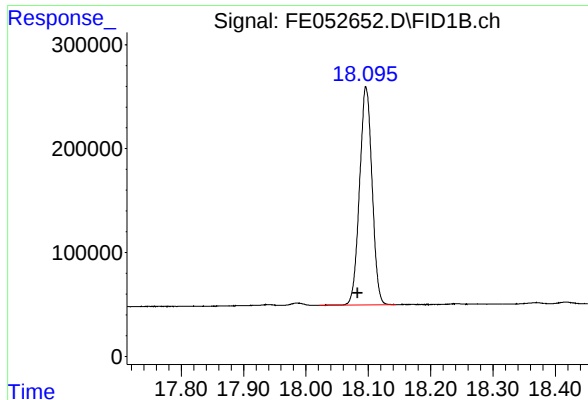
#15 n-Hexacosane (C26)

R.T.: 16.254 min
Delta R.T.: 0.013 min
Response: 2782920
Conc: 19.57 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.206 min
Delta R.T.: 0.014 min
Response: 2810575
Conc: 19.77 ug/ml m



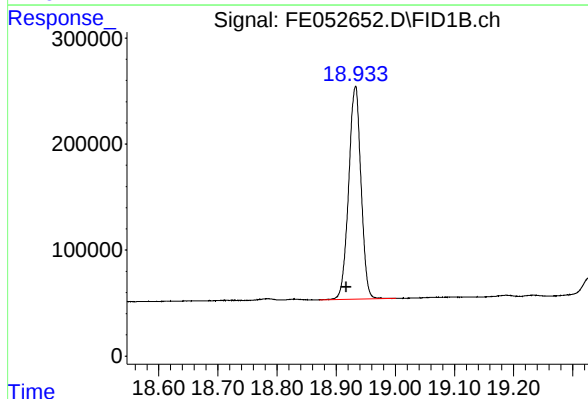
#17 n-Tricontane (C30)

R.T.: 18.097 min
Delta R.T.: 0.014 min
Response: 2925135
Conc: 19.80 ug/ml

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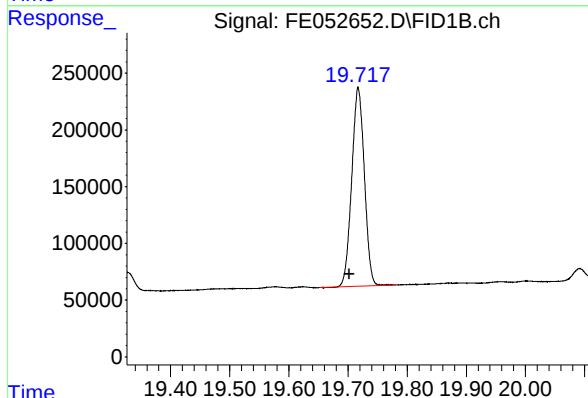
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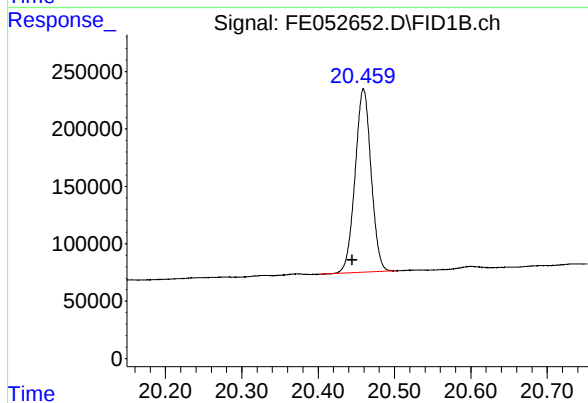
#18 n-Dotriacontane (C32)

R.T.: 18.932 min
Delta R.T.: 0.015 min
Response: 2914196
Conc: 20.07 ug/ml



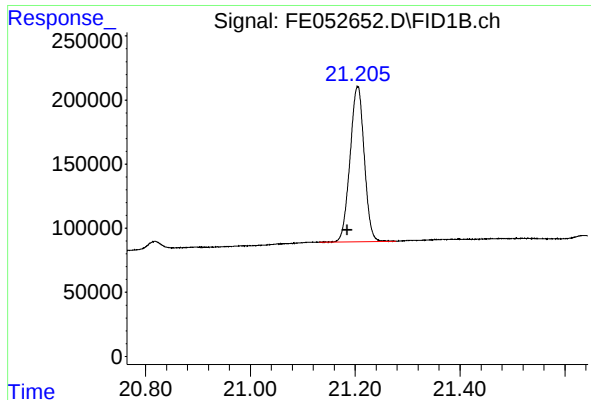
#19 n-Tetatriacontane (C34)

R.T.: 19.717 min
Delta R.T.: 0.015 min
Response: 2595405
Conc: 19.26 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.459 min
Delta R.T.: 0.015 min
Response: 2327077
Conc: 19.58 ug/ml



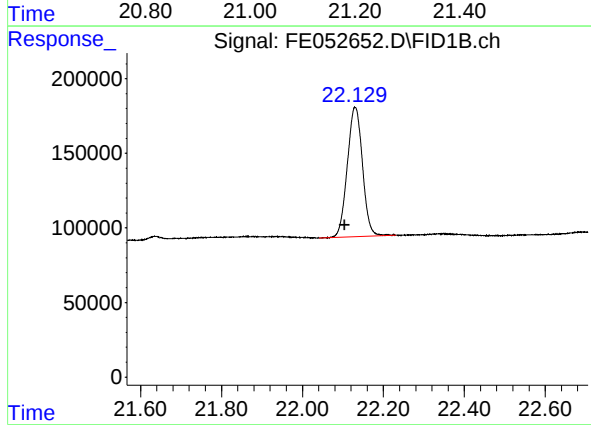
#21 n-Octatriacontane (C38)

R.T.: 21.205 min
Delta R.T.: 0.020 min
Response: 2276875
Conc: 20.52 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.130 min
Delta R.T.: 0.026 min
Response: 2260330
Conc: 20.91 ug/ml