

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
 Data File : FE054704.D
 Signal(s) : FID1B.ch
 Acq On : 07 Jul 2025 13:58
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/08/2025
 Supervised By :mohammad ahmed 07/08/2025

Integration File: autoint1.e
 Quant Time: Jul 08 03:30:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 Qlast Update : Fri Jun 27 15:19:13 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)	12.079	3119629	19.210 ug/ml
Spiked Amount 50.000		Recovery =	38.42%
12) S 1-chlorooctadecane (S...	13.516	2376877	18.820 ug/ml
Spiked Amount 50.000		Recovery =	37.64%
Target Compounds			
1) T n-Nonane (C9)	3.421	2710570	20.152 ug/ml
2) T n-Decane (C10)	4.678	2807170	20.573 ug/ml
3) T A~Naphthalene (C11.7)	6.395	3095904	20.447 ug/ml
4) T n-Dodecane (C12)	6.853	2853203	20.795 ug/ml
5) T A~2-methylnaphthalene...	7.496	3004462	20.438 ug/ml
6) T n-Tetradecane (C14)	8.690	2861351	20.641 ug/ml
7) T n-Hexadecane (C16)	10.305	2910378	20.422 ug/ml
8) T n-Octadecane (C18)	11.754	2908655	19.847 ug/ml
10) T n-Eicosane (C20)	13.068	2793536	19.427 ug/ml
11) T n-Heneicosane (C21)	13.682	2696917	18.882 ug/ml
13) T n-Docosane (C22)	14.270	2782788	19.489 ug/ml
14) T n-Tetracosane (C24)	15.376	2913453	20.042 ug/mlm
15) T n-Hexacosane (C26)	16.400	2989358	20.657 ug/ml
16) T n-Octacosane (C28)	17.352	3086604	21.179 ug/ml
17) T n-Tricontane (C30)	18.241	3251436	20.633 ug/ml
18) T n-Dotriacontane (C32)	19.076	3086003	19.075 ug/ml
19) T n-Tetratriacontane (C34)	19.859	2713915	17.809 ug/ml
20) T n-Hexatriacontane (C36)	20.600	2448980	18.214 ug/mlm
21) T n-Octatriacontane (C38)	21.381	2317838	19.763 ug/mlm
22) T n-Tetracontane (C40)	22.372	2178564	20.100 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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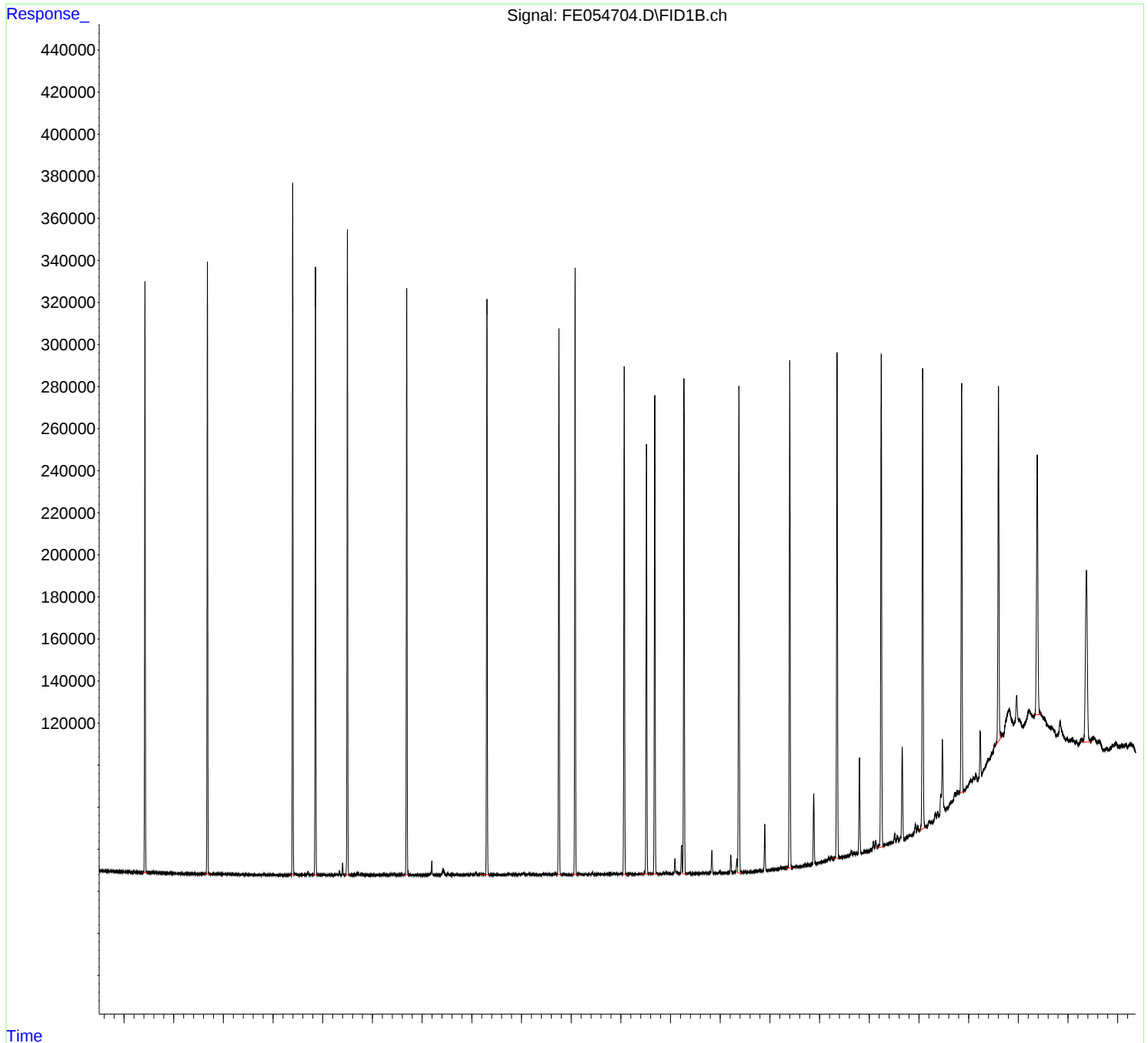
Instrument :
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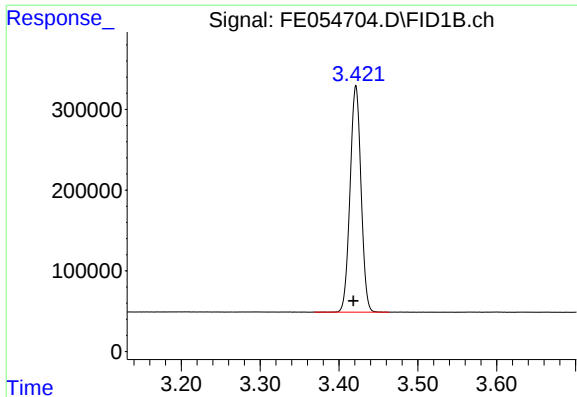
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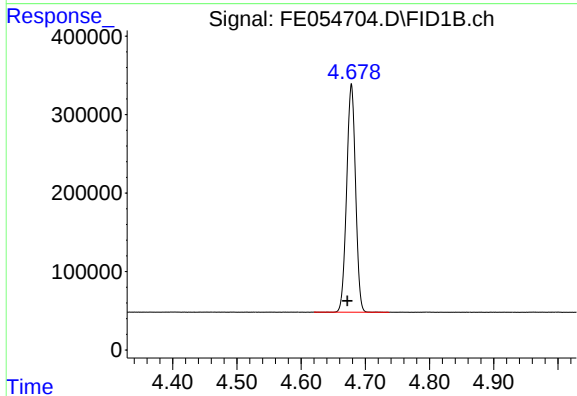
#1 n-Nonane (C9)

R.T.: 3.421 min
Delta R.T.: 0.003 min
Response: 2710570
Conc: 20.15 ug/ml

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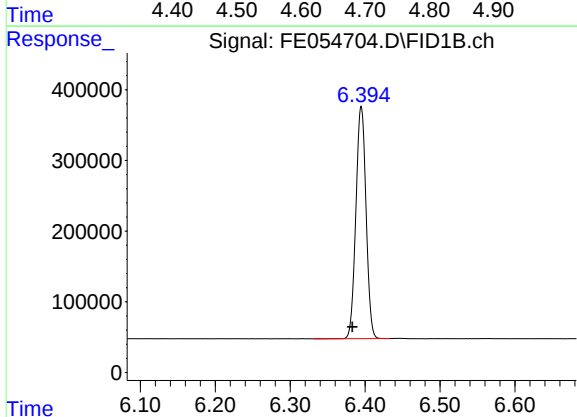
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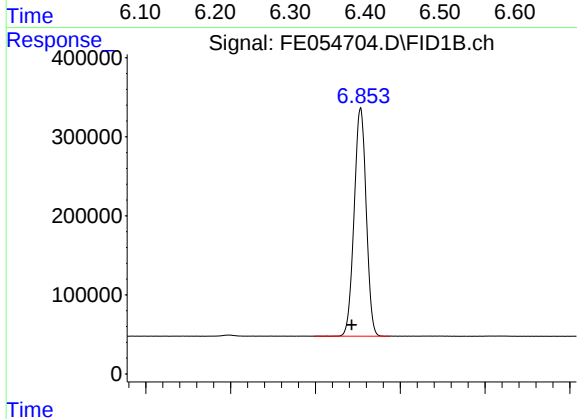
#2 n-Decane (C10)

R.T.: 4.678 min
Delta R.T.: 0.007 min
Response: 2807170
Conc: 20.57 ug/ml



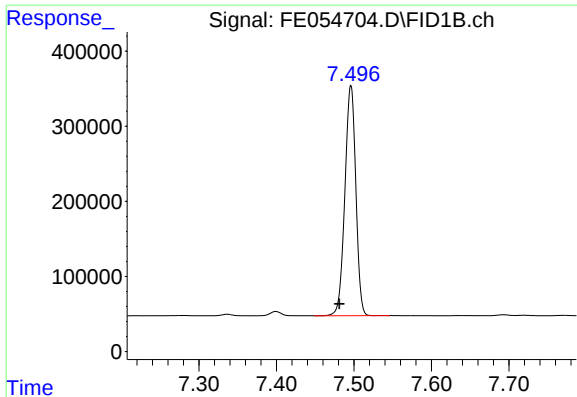
#3 A~Naphthalene (C11.7)

R.T.: 6.395 min
Delta R.T.: 0.012 min
Response: 3095904
Conc: 20.45 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.853 min
Delta R.T.: 0.011 min
Response: 2853203
Conc: 20.79 ug/ml



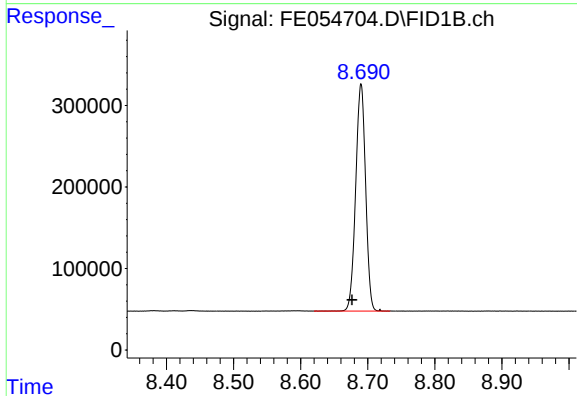
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.496 min
Delta R.T.: 0.015 min
Response: 3004462
Conc: 20.44 ug/ml

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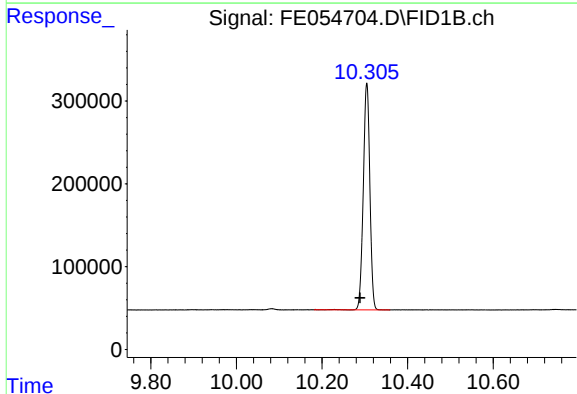
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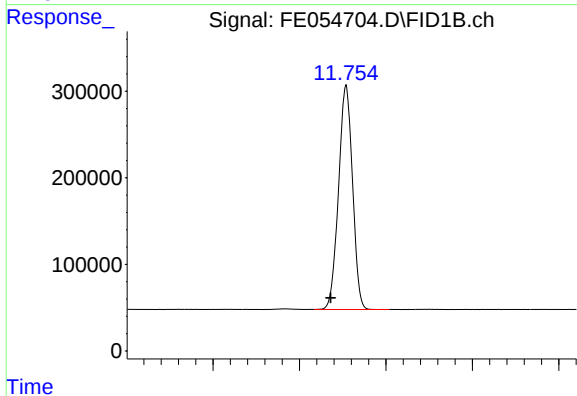
#6 n-Tetradecane (C14)

R.T.: 8.690 min
Delta R.T.: 0.014 min
Response: 2861351
Conc: 20.64 ug/ml



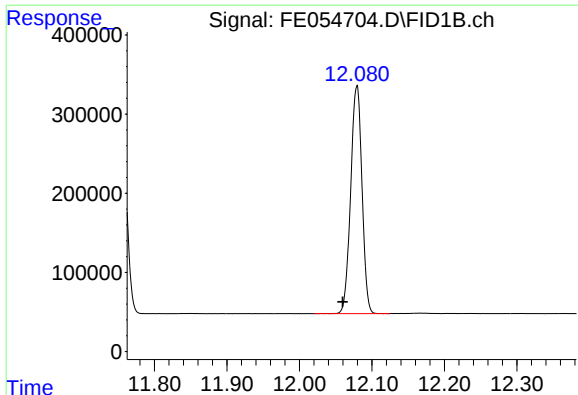
#7 n-Hexadecane (C16)

R.T.: 10.305 min
Delta R.T.: 0.016 min
Response: 2910378
Conc: 20.42 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.754 min
Delta R.T.: 0.018 min
Response: 2908655
Conc: 19.85 ug/ml



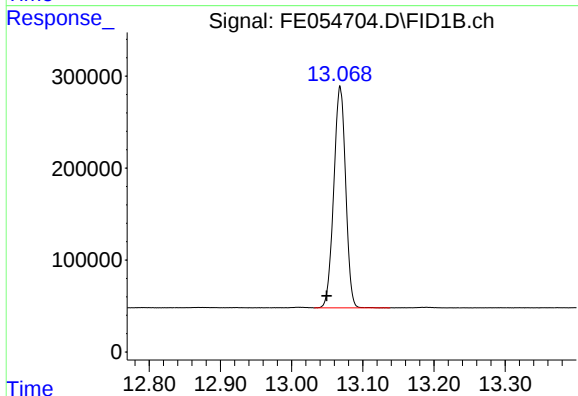
#9 ortho-Terphenyl (SURR)

R.T.: 12.079 min
Delta R.T.: 0.019 min
Response: 3119629
Conc: 19.21 ug/ml

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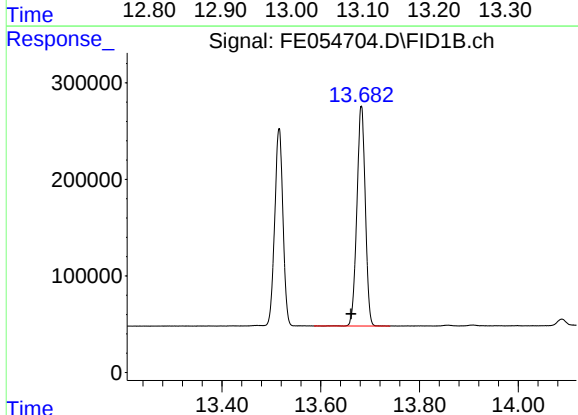
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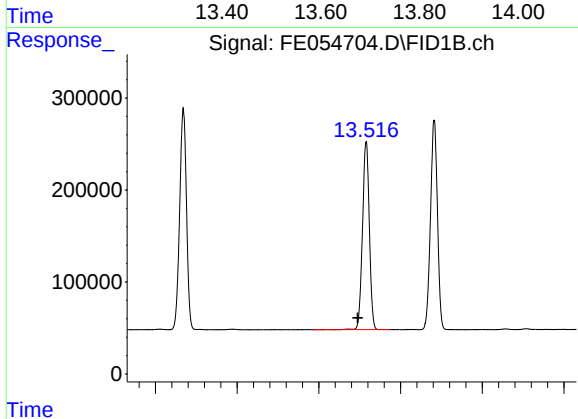
#10 n-Eicosane (C20)

R.T.: 13.068 min
Delta R.T.: 0.019 min
Response: 2793536
Conc: 19.43 ug/ml



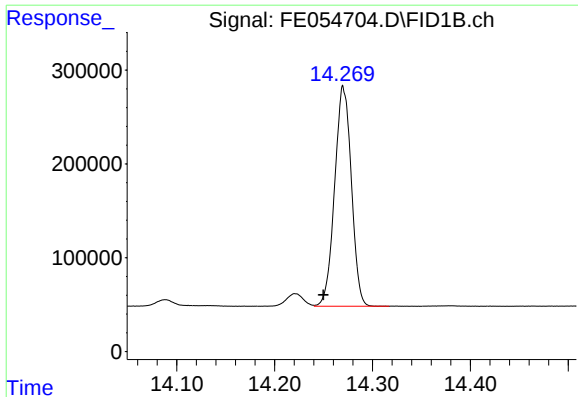
#11 n-Heneicosane (C21)

R.T.: 13.682 min
Delta R.T.: 0.021 min
Response: 2696917
Conc: 18.88 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.516 min
Delta R.T.: 0.020 min
Response: 2376877
Conc: 18.82 ug/ml



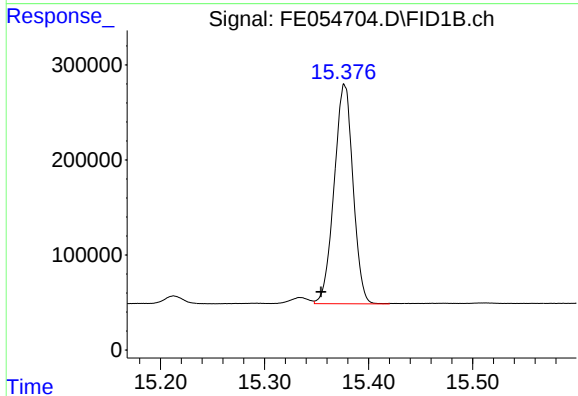
#13 n-Docosane (C22)

R.T.: 14.270 min
Delta R.T.: 0.021 min
Response: 2782788
Conc: 19.49 ug/ml

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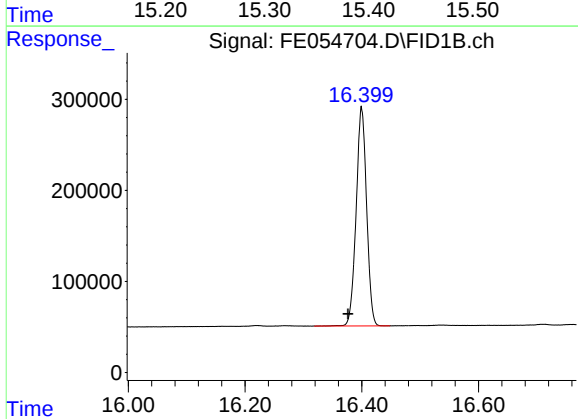
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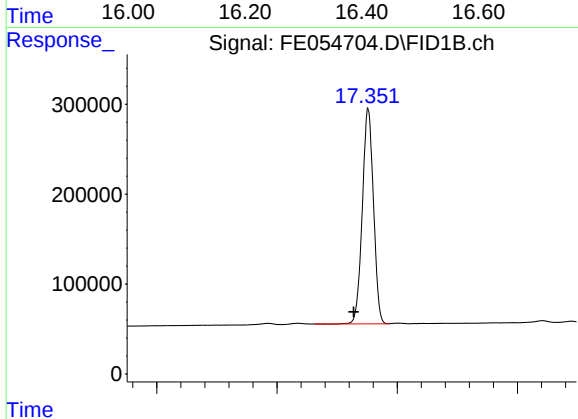
#14 n-Tetracosane (C24)

R.T.: 15.376 min
Delta R.T.: 0.022 min
Response: 2913453
Conc: 20.04 ug/ml m



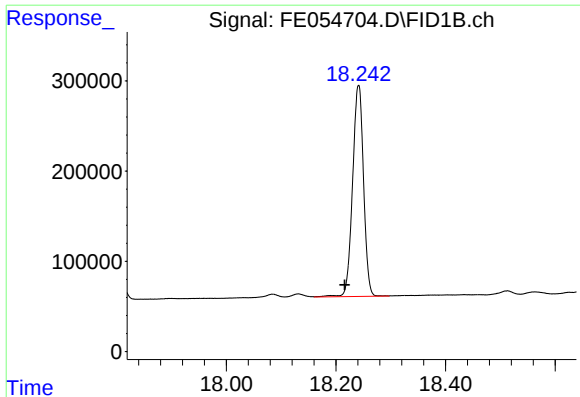
#15 n-Hexacosane (C26)

R.T.: 16.400 min
Delta R.T.: 0.023 min
Response: 2989358
Conc: 20.66 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.352 min
Delta R.T.: 0.024 min
Response: 3086604
Conc: 21.18 ug/ml



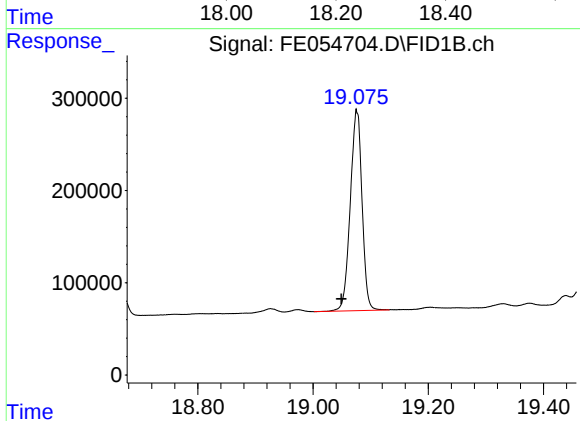
#17 n-Tricontane (C30)

R.T.: 18.241 min
Delta R.T.: 0.025 min
Response: 3251436
Conc: 20.63 ug/ml

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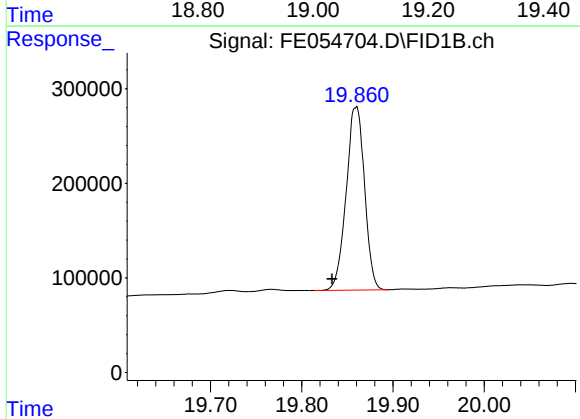
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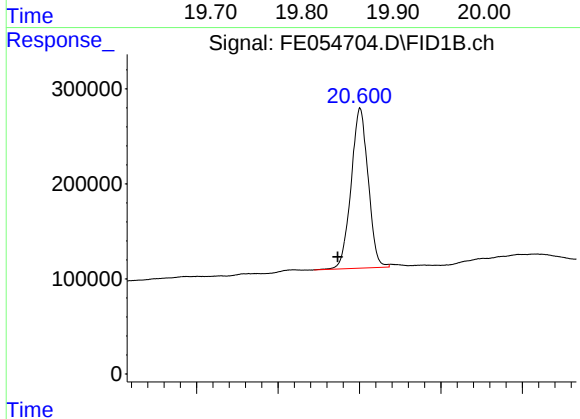
#18 n-Dotriacontane (C32)

R.T.: 19.076 min
Delta R.T.: 0.027 min
Response: 3086003
Conc: 19.07 ug/ml



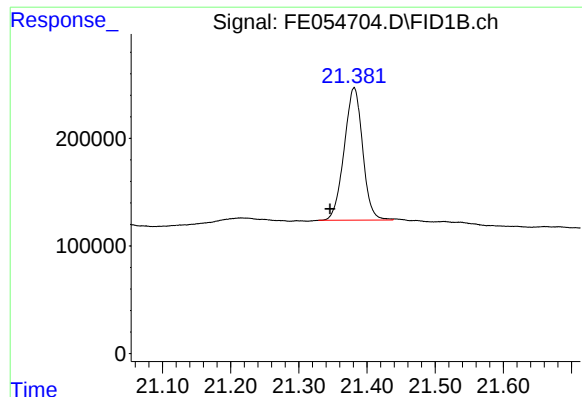
#19 n-Tetratriacontane (C34)

R.T.: 19.859 min
Delta R.T.: 0.026 min
Response: 2713915
Conc: 17.81 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.600 min
Delta R.T.: 0.027 min
Response: 2448980
Conc: 18.21 ug/ml m



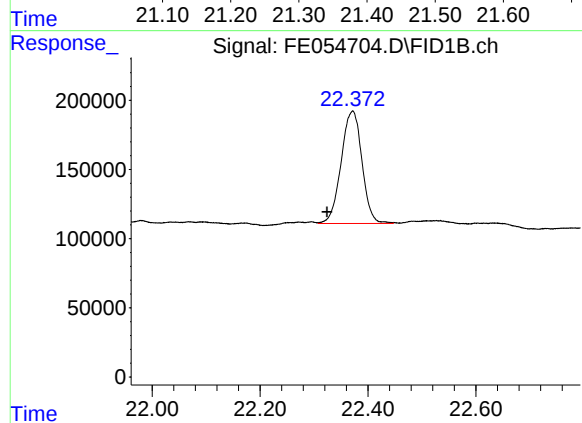
#21 n-Octatriacontane (C38)

R.T.: 21.381 min
Delta R.T.: 0.035 min
Response: 2317838
Conc: 19.76 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.372 min
Delta R.T.: 0.048 min
Response: 2178564
Conc: 20.10 ug/ml m