

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
 Data File : FE054697.D
 Signal(s) : FID1B.ch
 Acq On : 07 Jul 2025 09:47
 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 07/07/2025
 Supervised By :mohammad ahmed 07/08/2025

Integration File: autoint1.e
 Quant Time: Jul 07 11:20:14 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	3208876	19.760 ug/ml
Spiked Amount 50.000		Recovery =	39.52%
12) S 1-chlorooctadecane (S...	13.515	2381190	18.854 ug/ml
Spiked Amount 50.000		Recovery =	37.71%
Target Compounds			
1) T n-Nonane (C9)	3.422	2729142	20.290 ug/ml
2) T n-Decane (C10)	4.678	2828603	20.730 ug/ml
3) T A~Naphthalene (C11.7)	6.395	3133960	20.698 ug/ml
4) T n-Dodecane (C12)	6.853	2879113	20.984 ug/ml
5) T A~2-methylnaphthalene...	7.495	3044555	20.711 ug/ml
6) T n-Tetradecane (C14)	8.690	2902323	20.936 ug/ml
7) T n-Hexadecane (C16)	10.304	2960108	20.771 ug/ml
8) T n-Octadecane (C18)	11.753	2980407	20.336 ug/ml
10) T n-Eicosane (C20)	13.068	2865270	19.926 ug/ml
11) T n-Heneicosane (C21)	13.682	2765365	19.361 ug/ml
13) T n-Docosane (C22)	14.270	2855860	20.001 ug/ml
14) T n-Tetracosane (C24)	15.376	2975372	20.468 ug/mlm
15) T n-Hexacosane (C26)	16.400	3053493	21.100 ug/ml
16) T n-Octacosane (C28)	17.352	3138609	21.536 ug/ml
17) T n-Tricontane (C30)	18.240	3225622	20.469 ug/ml
18) T n-Dotriacontane (C32)	19.074	3077699	19.023 ug/ml
19) T n-Tetratriacontane (C34)	19.858	2655778	17.427 ug/ml
20) T n-Hexatriacontane (C36)	20.599	2302325	17.123 ug/mlm
21) T n-Octatriacontane (C38)	21.379	2320396	19.784 ug/ml
22) T n-Tetracontane (C40)	22.369	2307687	21.292 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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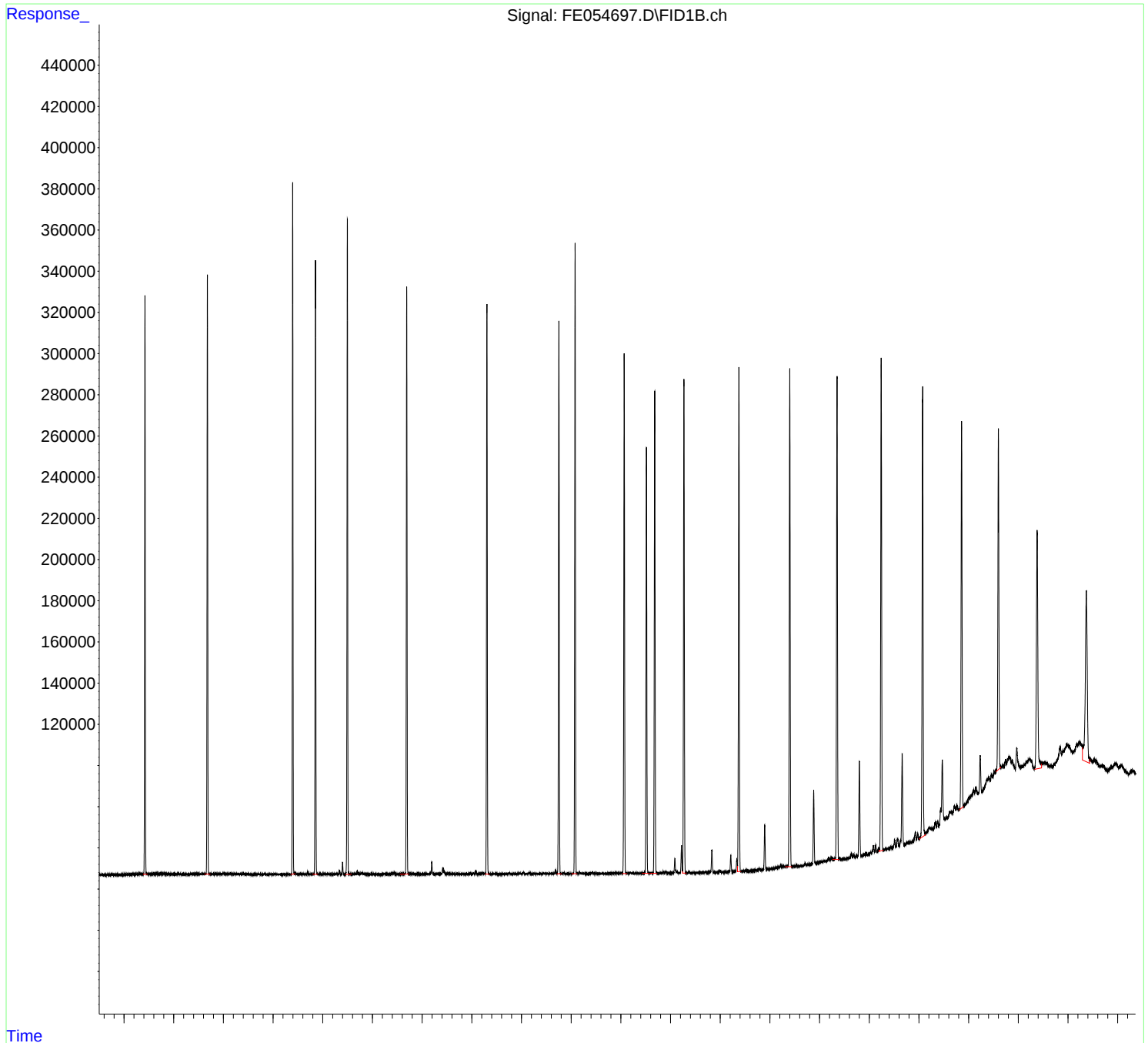
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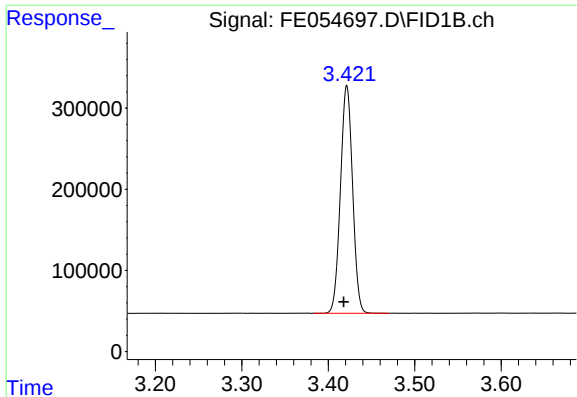
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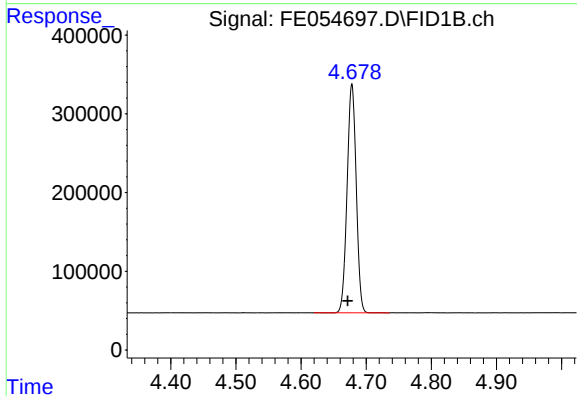
#1 n-Nonane (C9)

R.T.: 3.422 min
Delta R.T.: 0.004 min
Response: 2729142
Conc: 20.29 ug/ml

Instrument :
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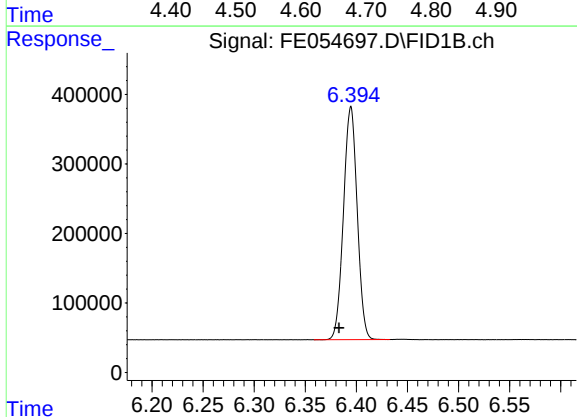
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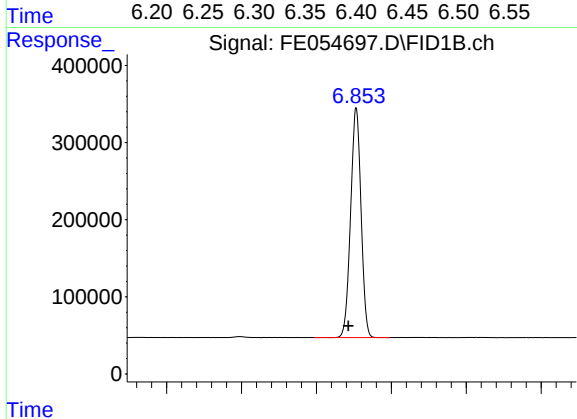
#2 n-Decane (C10)

R.T.: 4.678 min
Delta R.T.: 0.006 min
Response: 2828603
Conc: 20.73 ug/ml



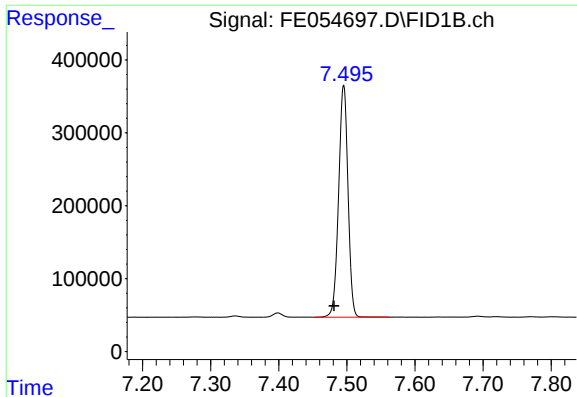
#3 A~Naphthalene (C11.7)

R.T.: 6.395 min
Delta R.T.: 0.011 min
Response: 3133960
Conc: 20.70 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.853 min
Delta R.T.: 0.011 min
Response: 2879113
Conc: 20.98 ug/ml



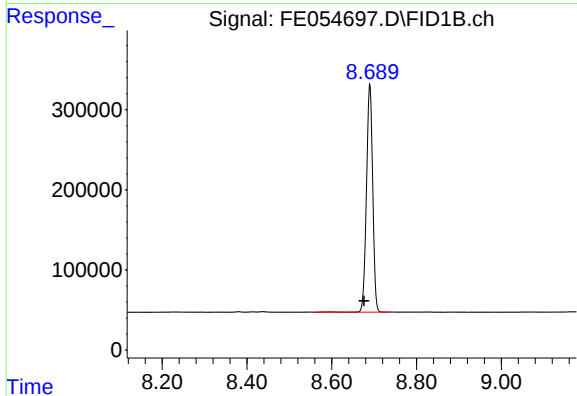
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.495 min
Delta R.T.: 0.014 min
Response: 3044555
Conc: 20.71 ug/ml

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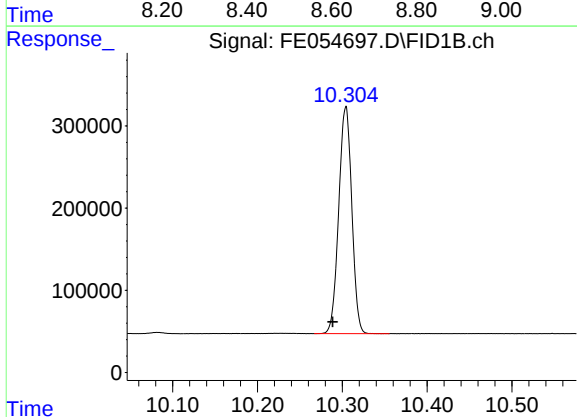
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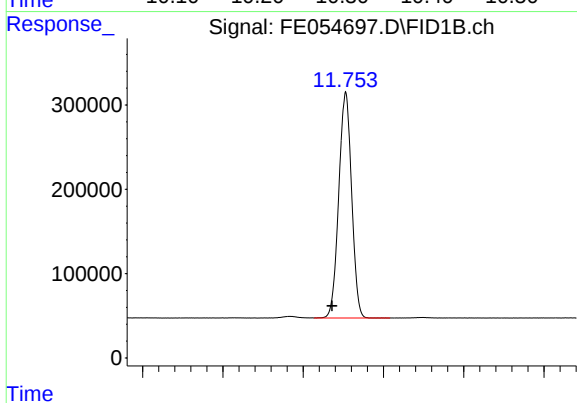
#6 n-Tetradecane (C14)

R.T.: 8.690 min
Delta R.T.: 0.013 min
Response: 2902323
Conc: 20.94 ug/ml



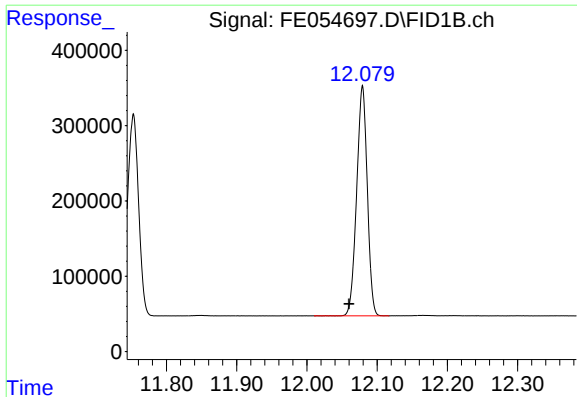
#7 n-Hexadecane (C16)

R.T.: 10.304 min
Delta R.T.: 0.015 min
Response: 2960108
Conc: 20.77 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.753 min
Delta R.T.: 0.017 min
Response: 2980407
Conc: 20.34 ug/ml



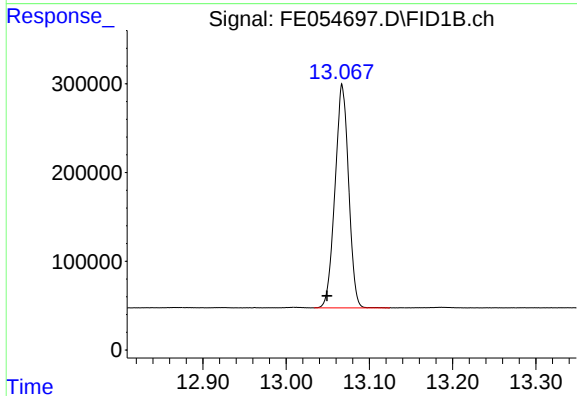
#9 ortho-Terphenyl (SURR)

R.T.: 12.079 min
Delta R.T.: 0.019 min
Response: 3208876
Conc: 19.76 ug/ml

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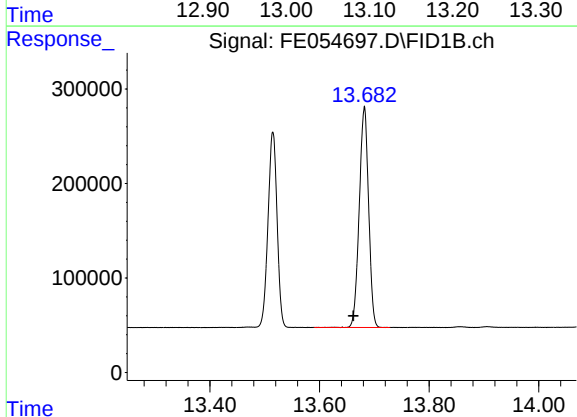
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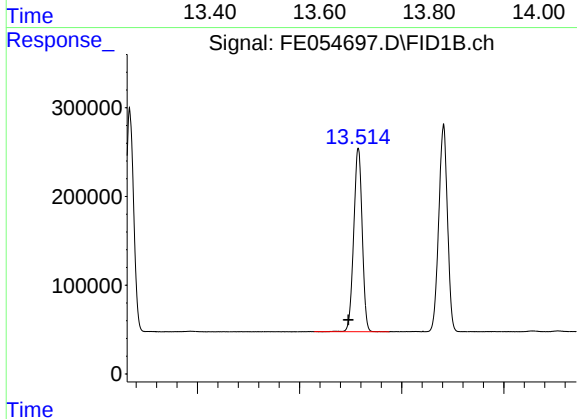
#10 n-Eicosane (C20)

R.T.: 13.068 min
Delta R.T.: 0.018 min
Response: 2865270
Conc: 19.93 ug/ml



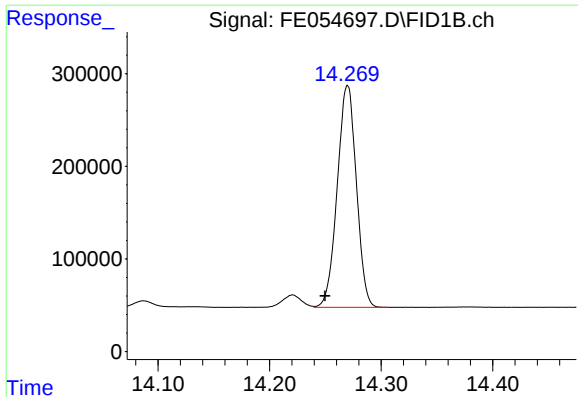
#11 n-Heneicosane (C21)

R.T.: 13.682 min
Delta R.T.: 0.020 min
Response: 2765365
Conc: 19.36 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.515 min
Delta R.T.: 0.019 min
Response: 2381190
Conc: 18.85 ug/ml



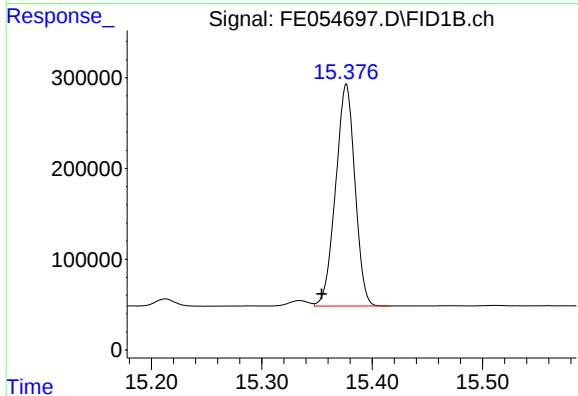
#13 n-Docosane (C22)

R.T.: 14.270 min
Delta R.T.: 0.020 min
Response: 2855860
Conc: 20.00 ug/ml

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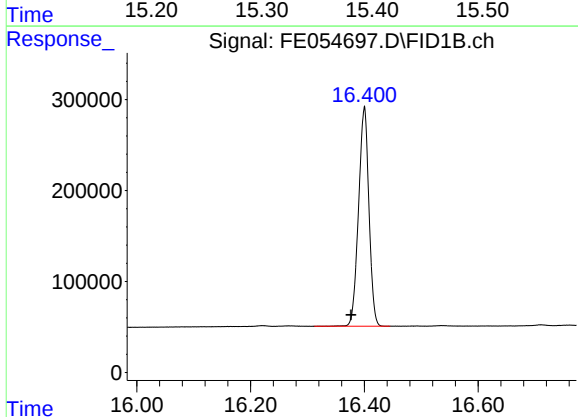
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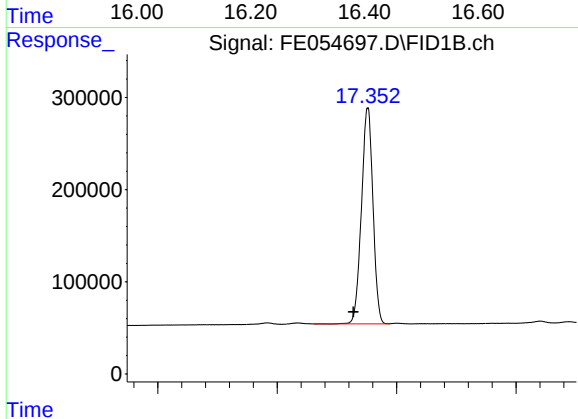
#14 n-Tetracosane (C24)

R.T.: 15.376 min
Delta R.T.: 0.022 min
Response: 2975372
Conc: 20.47 ug/ml m



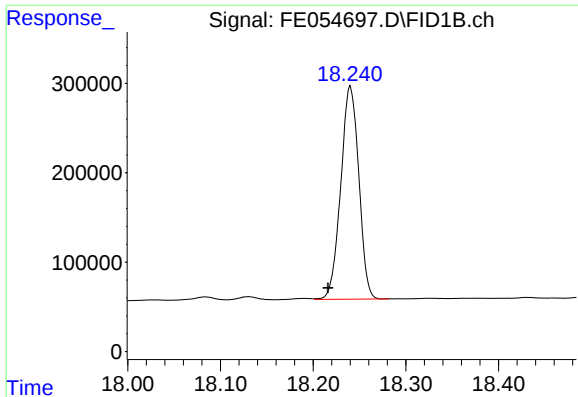
#15 n-Hexacosane (C26)

R.T.: 16.400 min
Delta R.T.: 0.023 min
Response: 3053493
Conc: 21.10 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.352 min
Delta R.T.: 0.024 min
Response: 3138609
Conc: 21.54 ug/ml



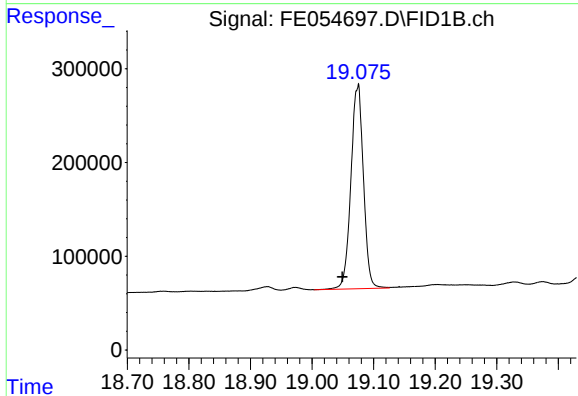
#17 n-Tricontane (C30)

R.T.: 18.240 min
Delta R.T.: 0.024 min
Response: 3225622
Conc: 20.47 ug/ml

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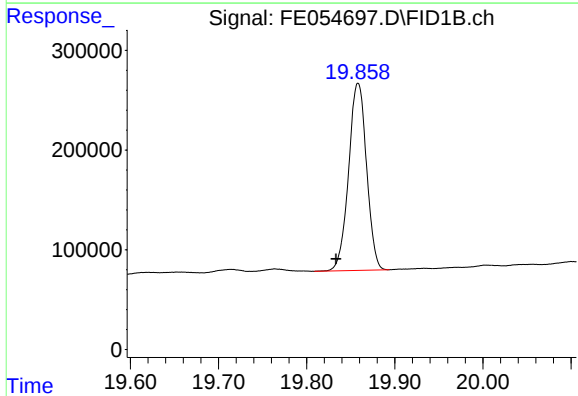
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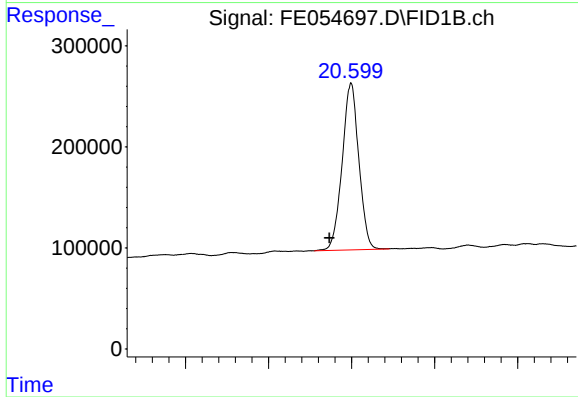
#18 n-Dotriacontane (C32)

R.T.: 19.074 min
Delta R.T.: 0.025 min
Response: 3077699
Conc: 19.02 ug/ml



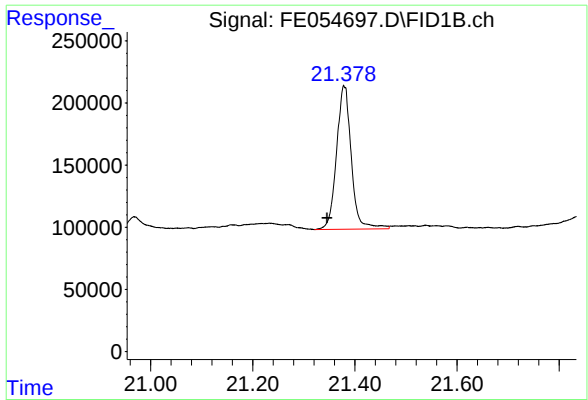
#19 n-Tetratriacontane (C34)

R.T.: 19.858 min
Delta R.T.: 0.025 min
Response: 2655778
Conc: 17.43 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.599 min
Delta R.T.: 0.026 min
Response: 2302325
Conc: 17.12 ug/ml m



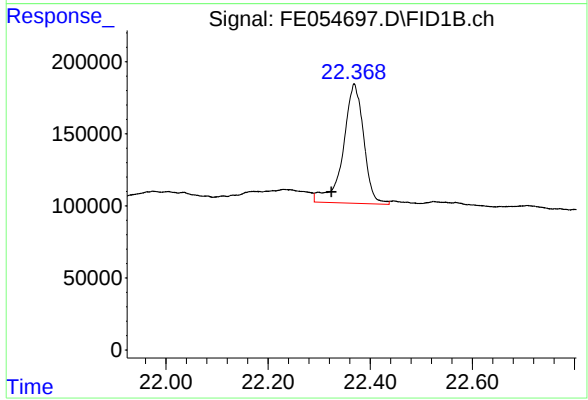
#21 n-Octatriacontane (C38)

R.T.: 21.379 min
Delta R.T.: 0.033 min
Response: 2320396
Conc: 19.78 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.369 min
Delta R.T.: 0.045 min
Response: 2307687
Conc: 21.29 ug/ml