

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE122922AL\
 Data File : FE039567.D
 Signal(s) : FID1B.ch
 Acq On : 30 Dec 2022 00:53
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/30/2022
 Supervised By :Ankita Jodhani 12/30/2022

Integration File: autoint1.e
 Quant Time: Dec 30 05:28:26 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 121722.M
 Quant Title : GC Extractables
 QLast Update : Sat Dec 17 15:09:52 2022
 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)	11.927	3044423	20.400 ug/ml
Spiked Amount 50.000		Recovery =	40.80%
12) S 1-chlorooctadecane (S...	13.362	2354853	20.459 ug/ml
Spiked Amount 50.000		Recovery =	40.92%
Target Compounds			
1) T n-Nonane (C9)	3.325	2644779	20.461 ug/ml
2) T n-Decane (C10)	4.572	2626656	20.614 ug/ml
3) T A~Naphthalene (C11.7)	6.274	2938005	20.324 ug/ml
4) T n-Dodecane (C12)	6.735	2653325	20.438 ug/ml
5) T A~2-methylnaphthalene...	7.369	2752987	20.328 ug/ml
6) T n-Tetradecane (C14)	8.561	2696434	20.349 ug/ml
7) T n-Hexadecane (C16)	10.167	2794209	20.311 ug/ml
8) T n-Octadecane (C18)	11.609	2847730	20.332 ug/ml
10) T n-Eicosane (C20)	12.917	2774045	20.322 ug/ml
11) T n-Heneicosane (C21)	13.528	2764625	20.270 ug/mlm
13) T n-Docosane (C22)	14.115	2762347	20.420 ug/ml
14) T n-Tetracosane (C24)	15.218	2761891	20.574 ug/ml
15) T n-Hexacosane (C26)	16.239	2712030	20.828 ug/ml
16) T n-Octacosane (C28)	17.188	2753036	21.391 ug/ml
17) T n-Tricontane (C30)	18.075	2902609	22.545 ug/mlm
18) T n-Dotriacontane (C32)	18.909	2970509	22.938 ug/ml
19) T n-Tetratriacontane (C34)	19.693	2779551	22.032 ug/ml
20) T n-Hexatriacontane (C36)	20.432	2575292	21.298 ug/mlm
21) T n-Octatriacontane (C38)	21.167	2523801	20.436 ug/ml
22) T n-Tetracontane (C40)	22.075	2505754	19.953 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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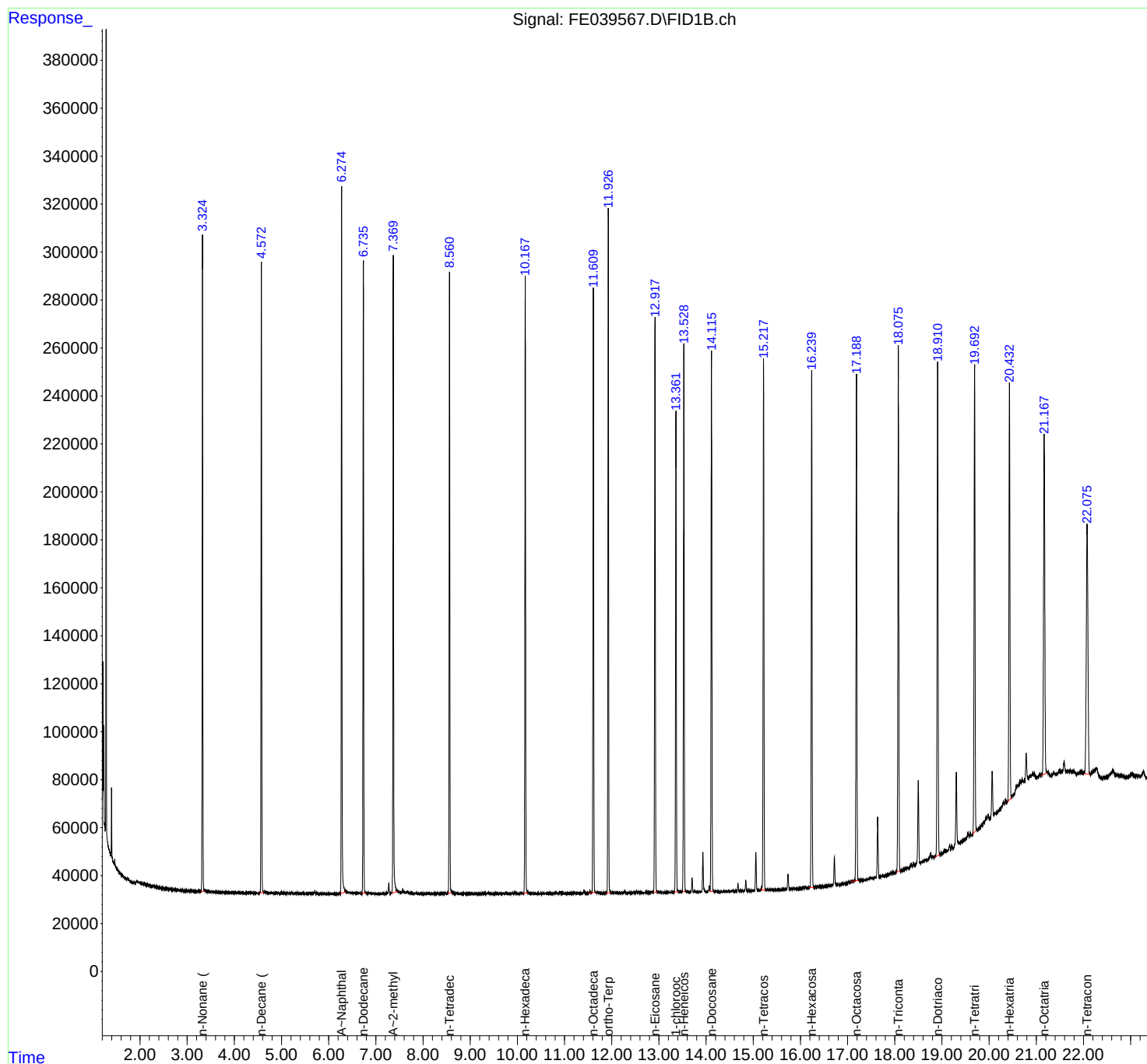
Instrument :
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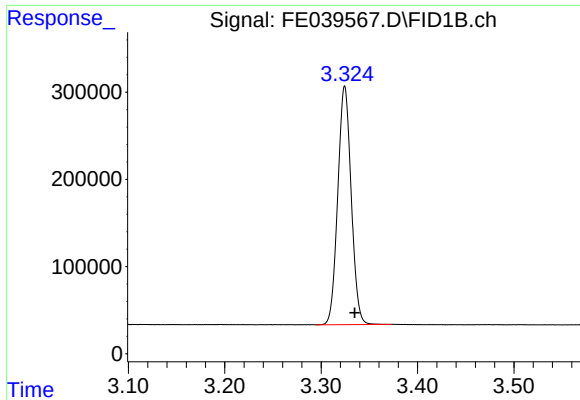
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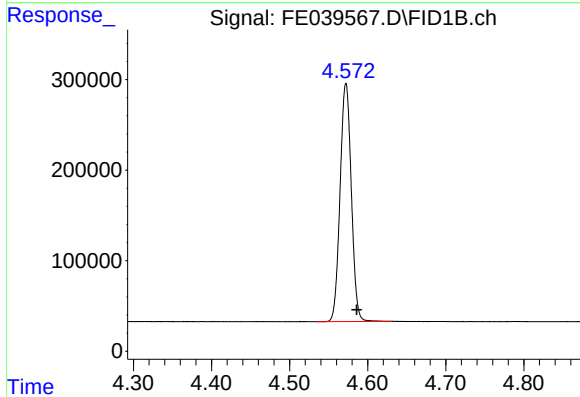
#1 n-Nonane (C9)

R.T.: 3.325 min
Delta R.T.: -0.010 min
Response: 2644779
Conc: 20.46 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

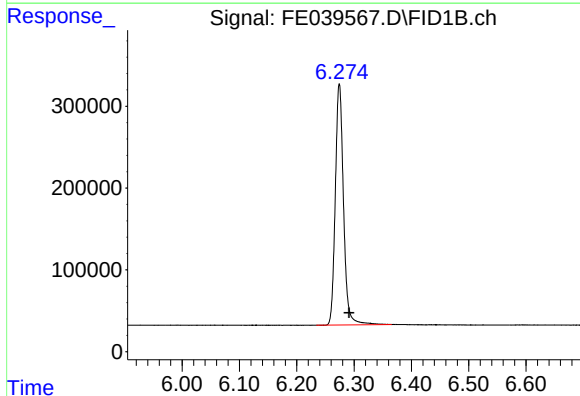
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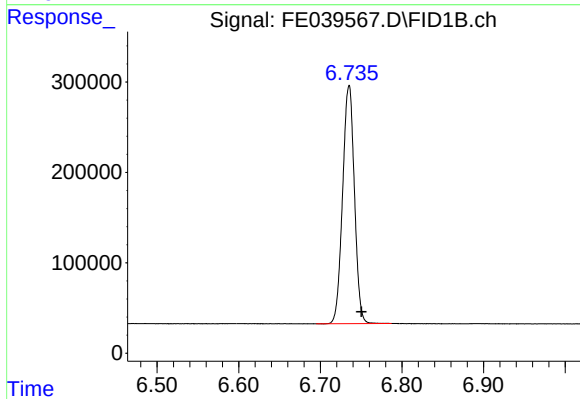
#2 n-Decane (C10)

R.T.: 4.572 min
Delta R.T.: -0.014 min
Response: 2626656
Conc: 20.61 ug/ml



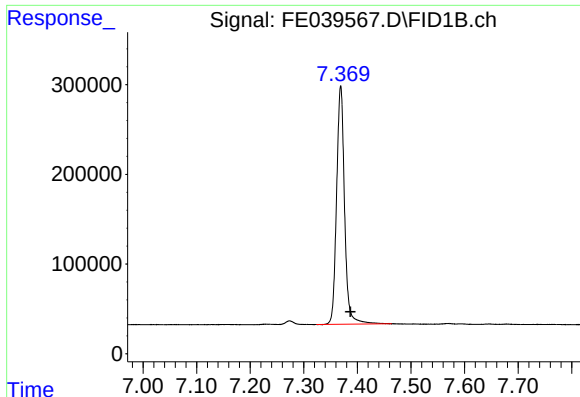
#3 A~Naphthalene (C11.7)

R.T.: 6.274 min
Delta R.T.: -0.017 min
Response: 2938005
Conc: 20.32 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.735 min
Delta R.T.: -0.015 min
Response: 2653325
Conc: 20.44 ug/ml



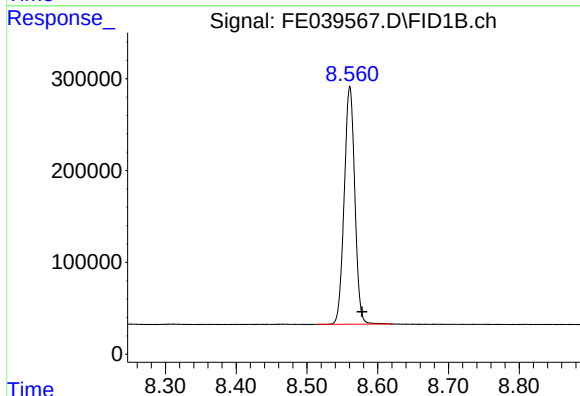
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.369 min
Delta R.T.: -0.018 min
Response: 2752987
Conc: 20.33 ug/ml

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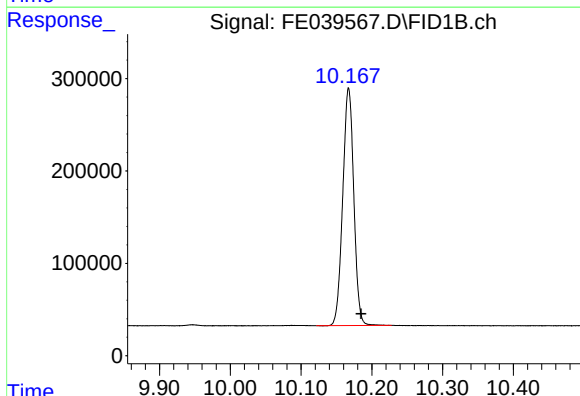
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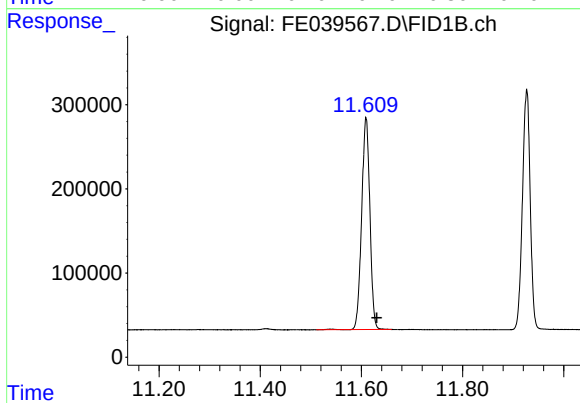
#6 n-Tetradecane (C14)

R.T.: 8.561 min
Delta R.T.: -0.017 min
Response: 2696434
Conc: 20.35 ug/ml



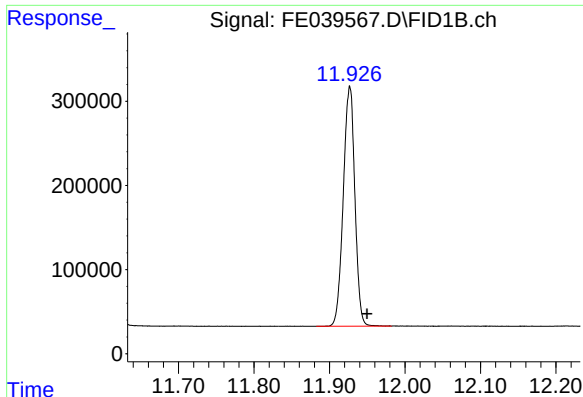
#7 n-Hexadecane (C16)

R.T.: 10.167 min
Delta R.T.: -0.018 min
Response: 2794209
Conc: 20.31 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.609 min
Delta R.T.: -0.021 min
Response: 2847730
Conc: 20.33 ug/ml



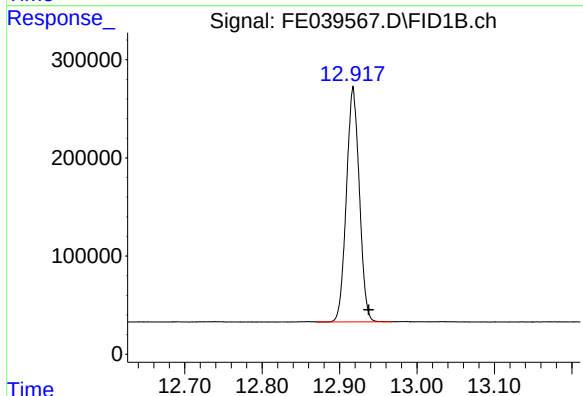
#9 ortho-Terphenyl (SURR)

R.T.: 11.927 min
Delta R.T.: -0.023 min
Response: 3044423
Conc: 20.40 ug/ml

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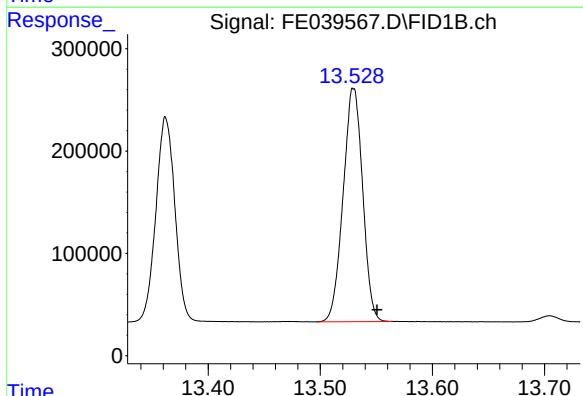
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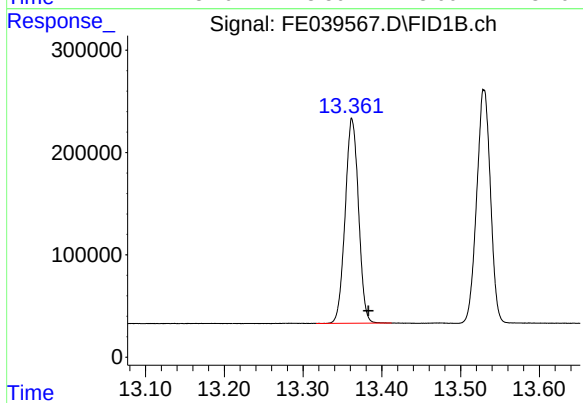
#10 n-Eicosane (C20)

R.T.: 12.917 min
Delta R.T.: -0.020 min
Response: 2774045
Conc: 20.32 ug/ml



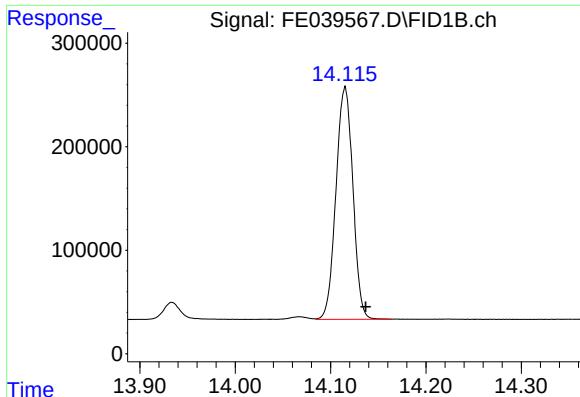
#11 n-Heneicosane (C21)

R.T.: 13.528 min
Delta R.T.: -0.023 min
Response: 2764625
Conc: 20.27 ug/ml m



#12 1-chlorooctadecane (SURR)

R.T.: 13.362 min
Delta R.T.: -0.021 min
Response: 2354853
Conc: 20.46 ug/ml



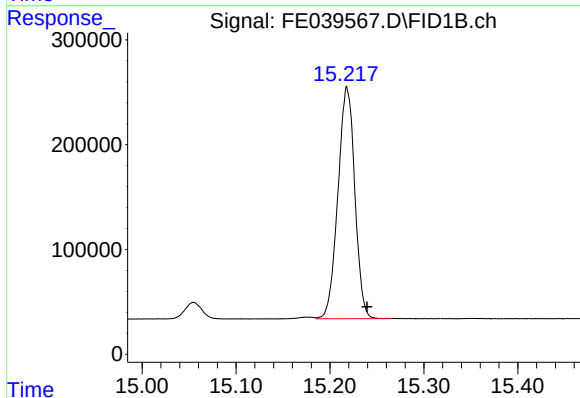
#13 n-Docosane (C22)

R.T.: 14.115 min
Delta R.T.: -0.022 min
Response: 2762347
Conc: 20.42 ug/ml

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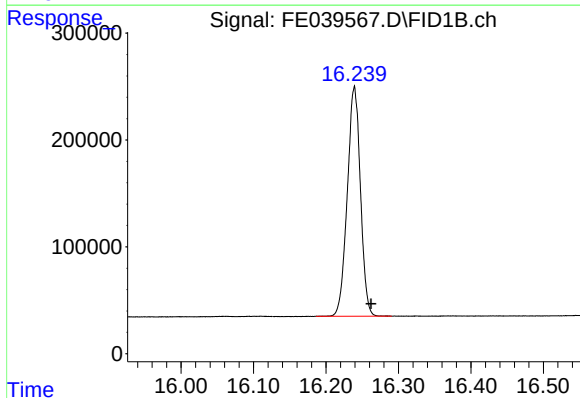
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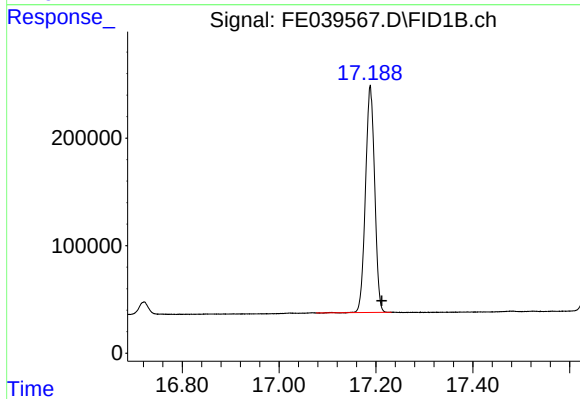
#14 n-Tetracosane (C24)

R.T.: 15.218 min
Delta R.T.: -0.021 min
Response: 2761891
Conc: 20.57 ug/ml



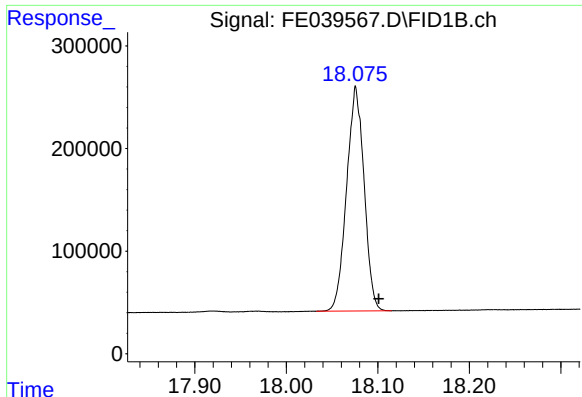
#15 n-Hexacosane (C26)

R.T.: 16.239 min
Delta R.T.: -0.023 min
Response: 2712030
Conc: 20.83 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.188 min
Delta R.T.: -0.024 min
Response: 2753036
Conc: 21.39 ug/ml



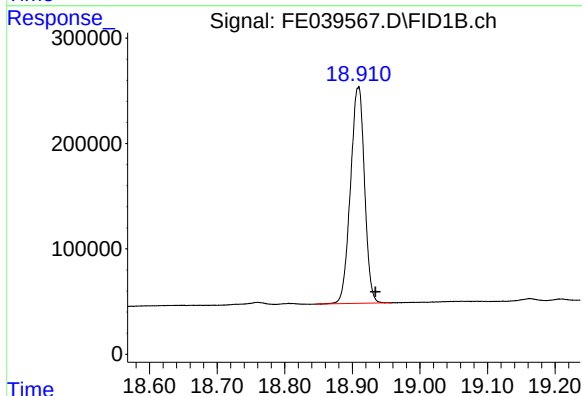
#17 n-Tricontane (C30)

R.T.: 18.075 min
Delta R.T.: -0.026 min
Response: 2902609
Conc: 22.54 ug/ml

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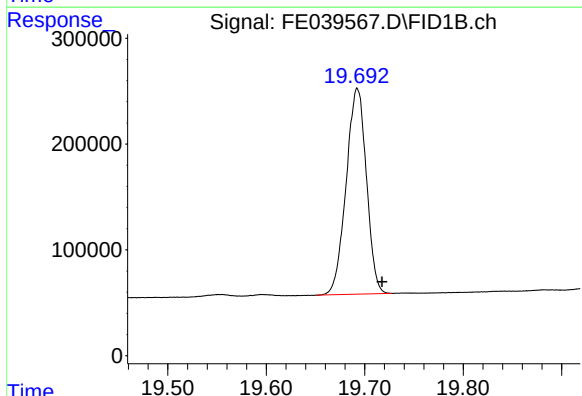
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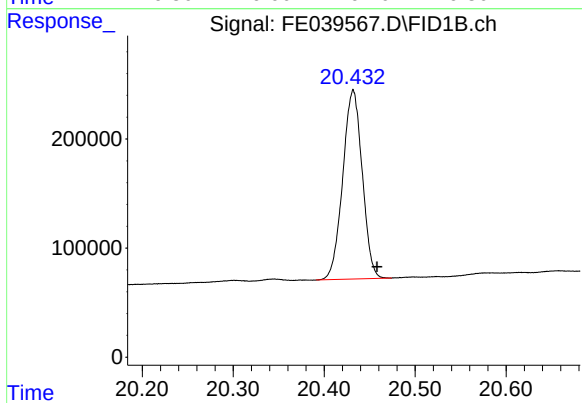
#18 n-Dotriacontane (C32)

R.T.: 18.909 min
Delta R.T.: -0.025 min
Response: 2970509
Conc: 22.94 ug/ml



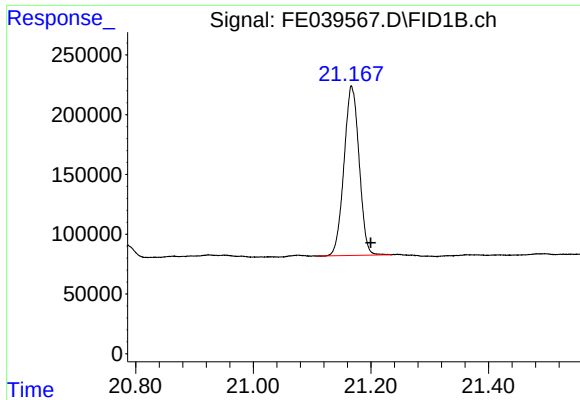
#19 n-Tetratriacontane (C34)

R.T.: 19.693 min
Delta R.T.: -0.025 min
Response: 2779551
Conc: 22.03 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.432 min
Delta R.T.: -0.026 min
Response: 2575292
Conc: 21.30 ug/ml m



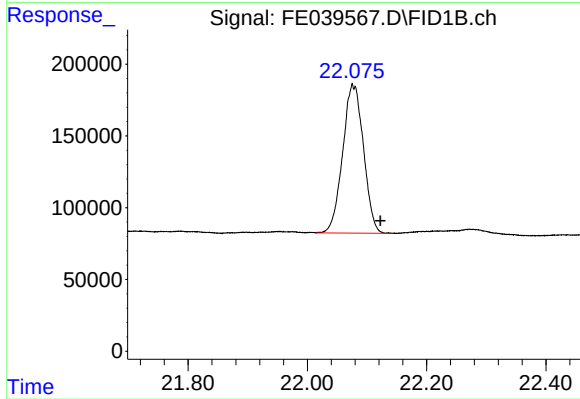
#21 n-Octatriacontane (C38)

R.T.: 21.167 min
Delta R.T.: -0.033 min
Response: 2523801
Conc: 20.44 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.075 min
Delta R.T.: -0.048 min
Response: 2505754
Conc: 19.95 ug/ml m