

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE123022AL\
 Data File : FE039570.D
 Signal(s) : FID1B.ch
 Acq On : 30 Dec 2022 09:05
 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 01/03/2023
 Supervised By :Ankita Jodhani 01/03/2023

Integration File: autoint1.e
 Quant Time: Jan 02 05:27:21 2023
 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	3025351	20.273 ug/ml
Spiked Amount 50.000		Recovery =	40.55%
12) S 1-chlorooctadecane (S...	13.363	2326964	20.217 ug/ml
Spiked Amount 50.000		Recovery =	40.43%
Target Compounds			
1) T n-Nonane (C9)	3.321	2439893	18.876 ug/ml
2) T n-Decane (C10)	4.571	2421415	19.003 ug/ml
3) T A~Naphthalene (C11.7)	6.274	2774210	19.191 ug/ml
4) T n-Dodecane (C12)	6.735	2456665	18.923 ug/ml
5) T A~2-methylnaphthalene...	7.369	2625827	19.389 ug/ml
6) T n-Tetradecane (C14)	8.561	2518175	19.003 ug/ml
7) T n-Hexadecane (C16)	10.167	2659015	19.328 ug/ml
8) T n-Octadecane (C18)	11.609	2763828	19.733 ug/ml
10) T n-Eicosane (C20)	12.918	2740679	20.077 ug/ml
11) T n-Heneicosane (C21)	13.528	2761140	20.244 ug/mlm
13) T n-Docosane (C22)	14.116	2771249	20.486 ug/ml
14) T n-Tetracosane (C24)	15.218	2804739	20.893 ug/ml
15) T n-Hexacosane (C26)	16.240	2776403	21.323 ug/ml
16) T n-Octacosane (C28)	17.189	2839878	22.066 ug/ml
17) T n-Tricontane (C30)	18.075	2988231	23.210 ug/mlm
18) T n-Dotriacontane (C32)	18.909	3032633	23.418 ug/ml
19) T n-Tetratriacontane (C34)	19.691	2844156	22.544 ug/ml
20) T n-Hexatriacontane (C36)	20.432	2612218	21.603 ug/mlm
21) T n-Octatriacontane (C38)	21.170	2559397	20.724 ug/ml
22) T n-Tetracontane (C40)	22.077	2493565	19.856 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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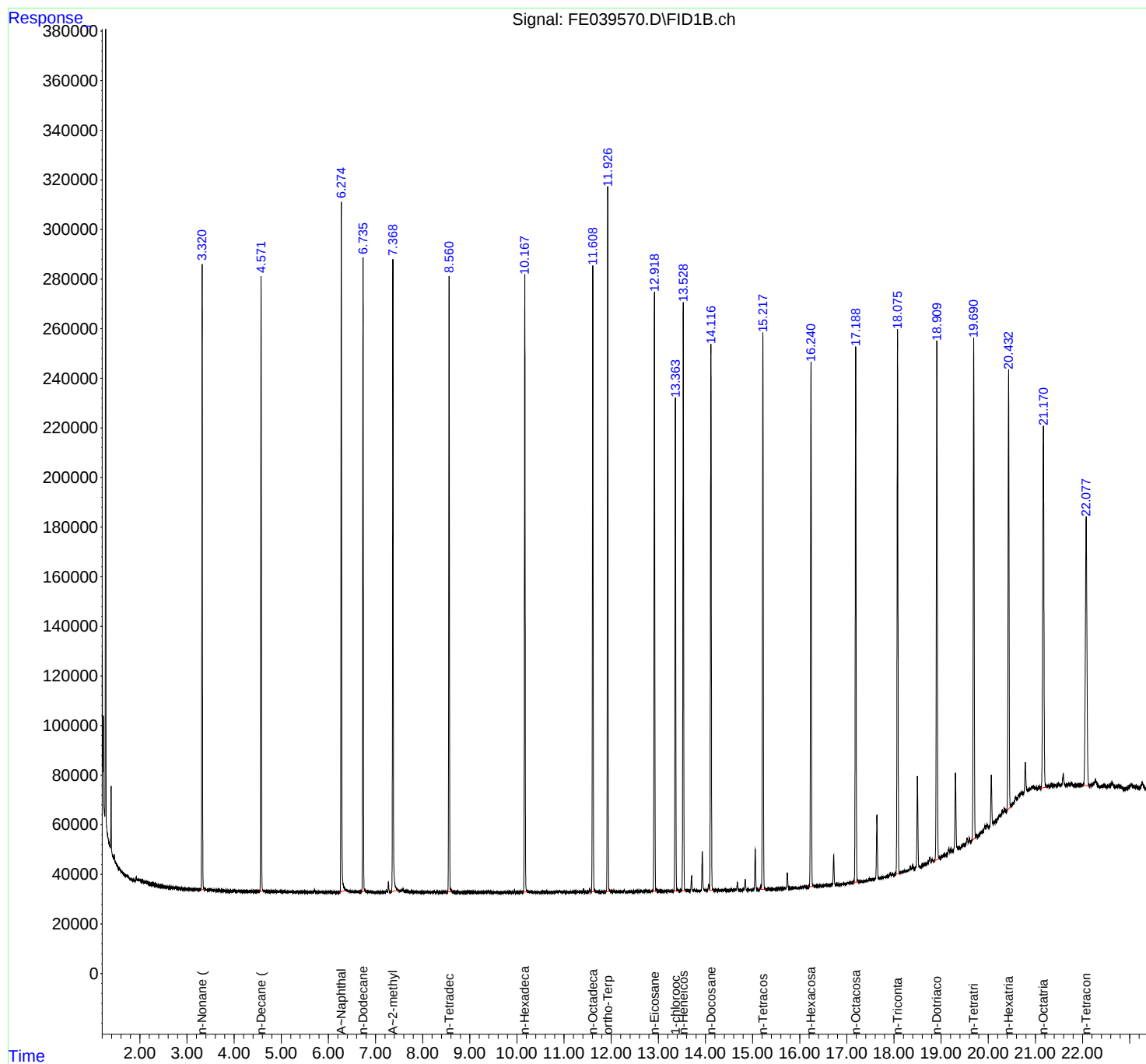
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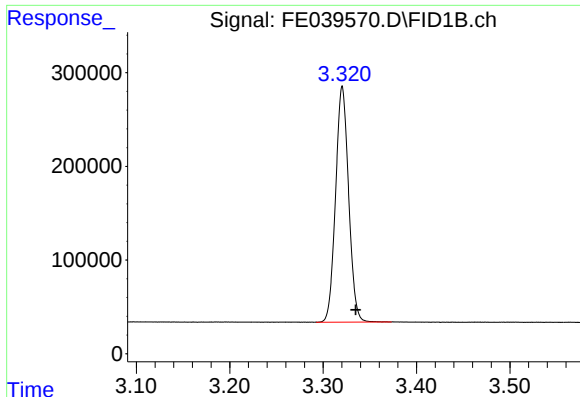
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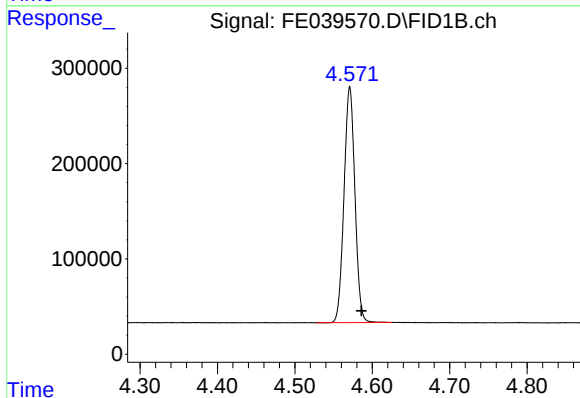
#1 n-Nonane (C9)

R.T.: 3.321 min
Delta R.T.: -0.014 min
Response: 2439893
Conc: 18.88 ug/ml

Instrument :
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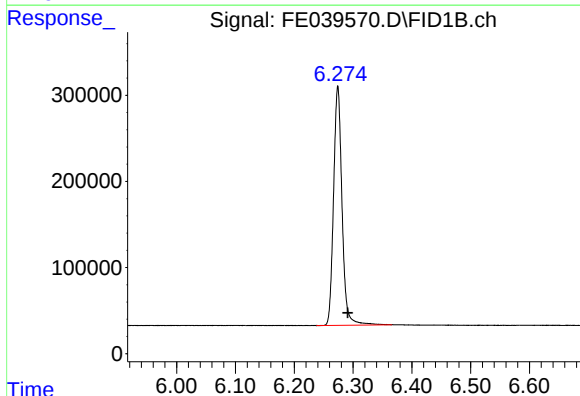
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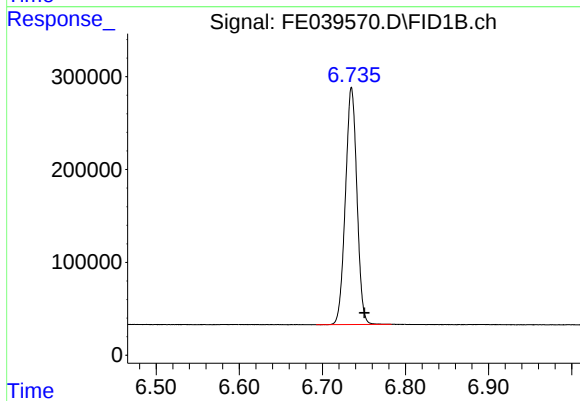
#2 n-Decane (C10)

R.T.: 4.571 min
Delta R.T.: -0.015 min
Response: 2421415
Conc: 19.00 ug/ml



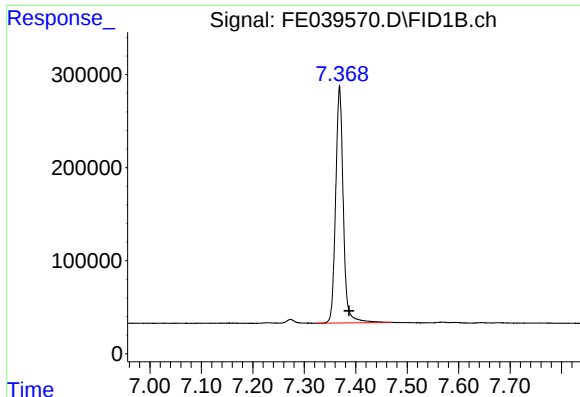
#3 A~Naphthalene (C11.7)

R.T.: 6.274 min
Delta R.T.: -0.017 min
Response: 2774210
Conc: 19.19 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.735 min
Delta R.T.: -0.015 min
Response: 2456665
Conc: 18.92 ug/ml



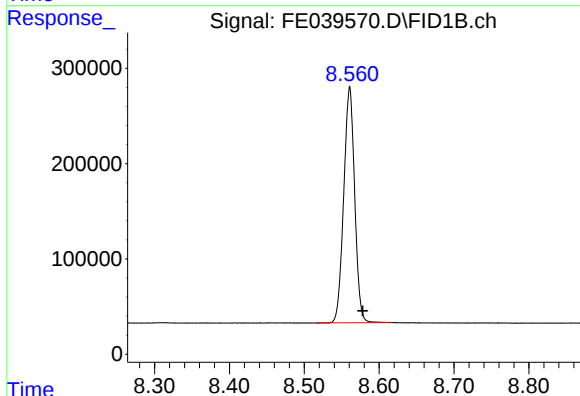
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.369 min
Delta R.T.: -0.018 min
Response: 2625827
Conc: 19.39 ug/ml

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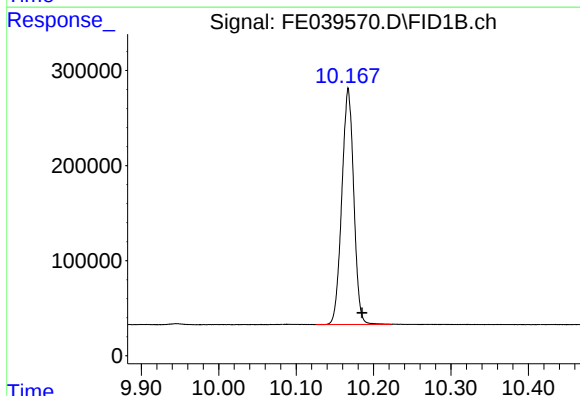
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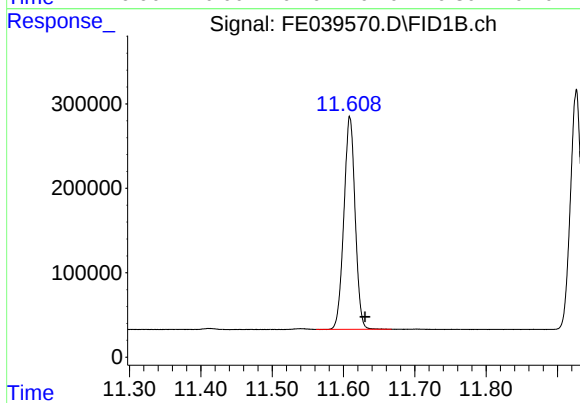
#6 n-Tetradecane (C14)

R.T.: 8.561 min
Delta R.T.: -0.017 min
Response: 2518175
Conc: 19.00 ug/ml



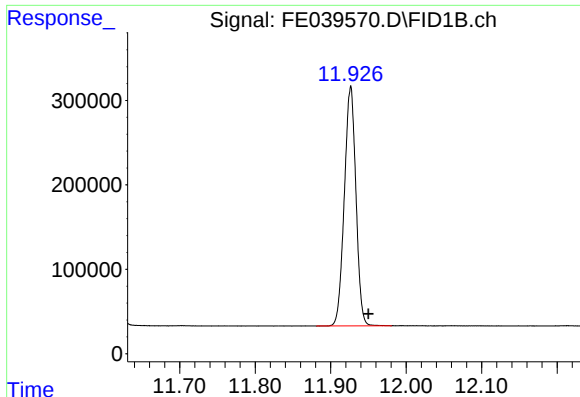
#7 n-Hexadecane (C16)

R.T.: 10.167 min
Delta R.T.: -0.018 min
Response: 2659015
Conc: 19.33 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.609 min
Delta R.T.: -0.021 min
Response: 2763828
Conc: 19.73 ug/ml



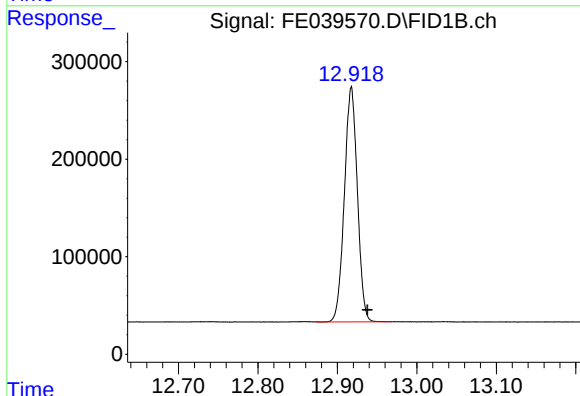
#9 ortho-Terphenyl (SURR)

R.T.: 11.927 min
Delta R.T.: -0.023 min
Response: 3025351
Conc: 20.27 ug/ml

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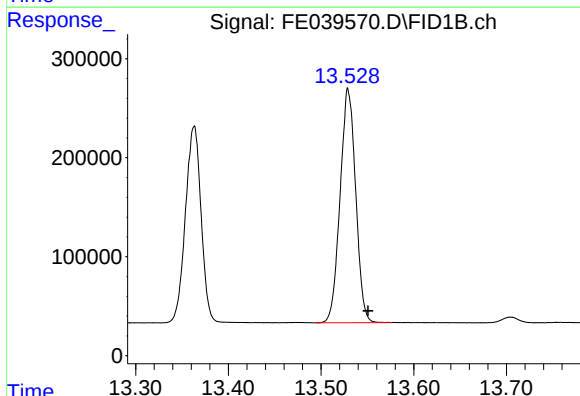
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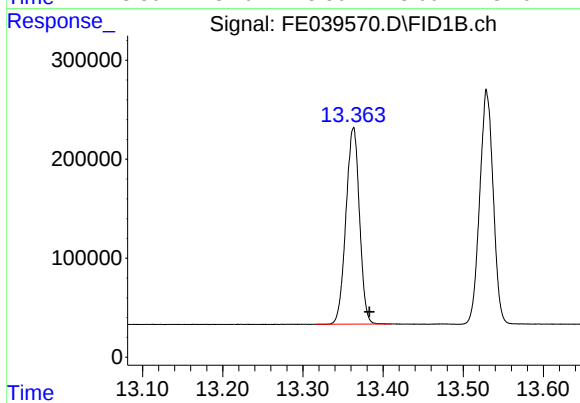
#10 n-Eicosane (C20)

R.T.: 12.918 min
Delta R.T.: -0.020 min
Response: 2740679
Conc: 20.08 ug/ml



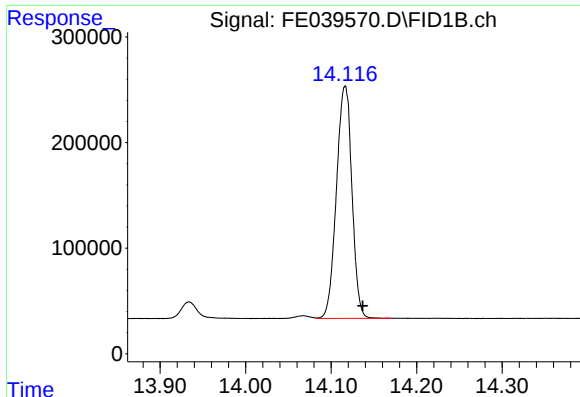
#11 n-Heneicosane (C21)

R.T.: 13.528 min
Delta R.T.: -0.022 min
Response: 2761140
Conc: 20.24 ug/ml m



#12 1-chlorooctadecane (SURR)

R.T.: 13.363 min
Delta R.T.: -0.020 min
Response: 2326964
Conc: 20.22 ug/ml



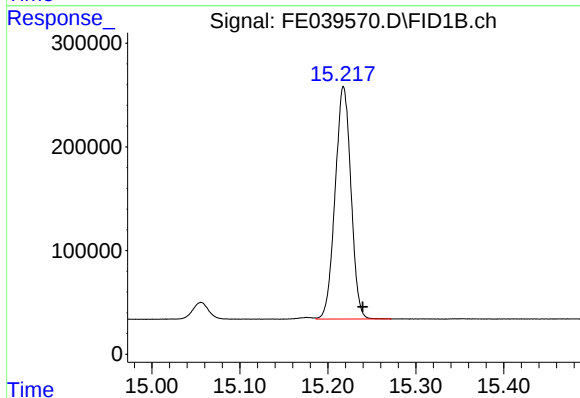
#13 n-Docosane (C22)

R.T.: 14.116 min
Delta R.T.: -0.021 min
Response: 2771249
Conc: 20.49 ug/ml

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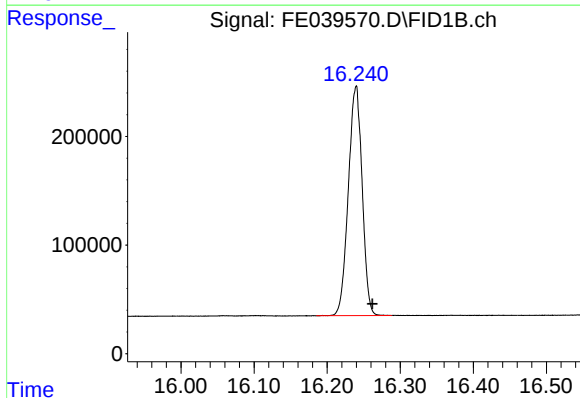
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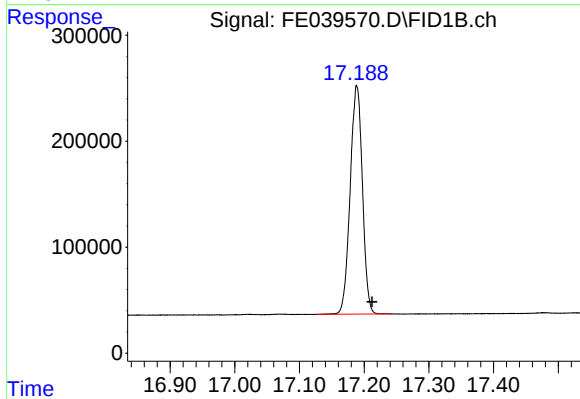
#14 n-Tetracosane (C24)

R.T.: 15.218 min
Delta R.T.: -0.022 min
Response: 2804739
Conc: 20.89 ug/ml



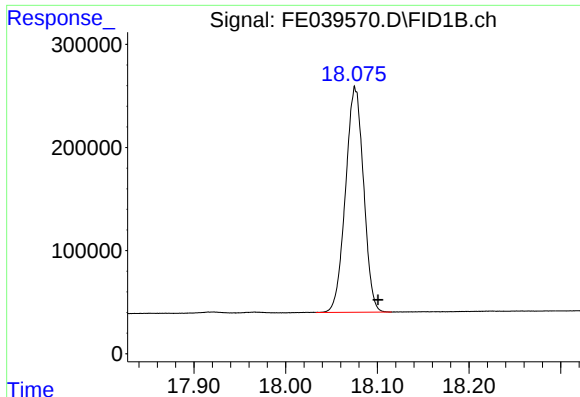
#15 n-Hexacosane (C26)

R.T.: 16.240 min
Delta R.T.: -0.023 min
Response: 2776403
Conc: 21.32 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.189 min
Delta R.T.: -0.024 min
Response: 2839878
Conc: 22.07 ug/ml



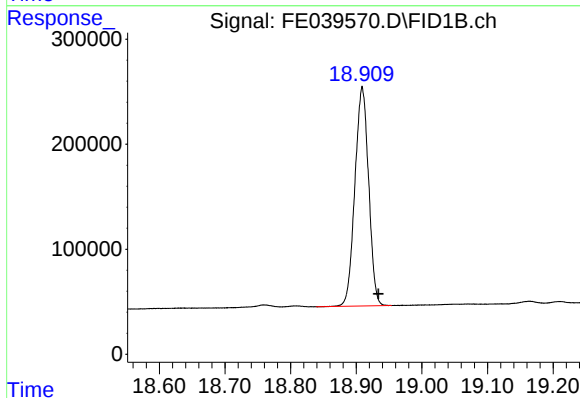
#17 n-Tricontane (C30)

R.T.: 18.075 min
Delta R.T.: -0.026 min
Response: 2988231
Conc: 23.21 ug/ml

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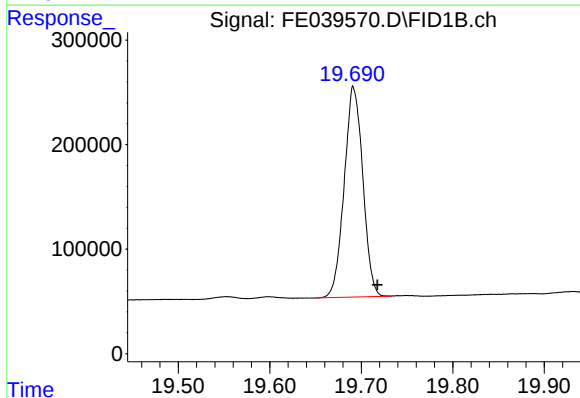
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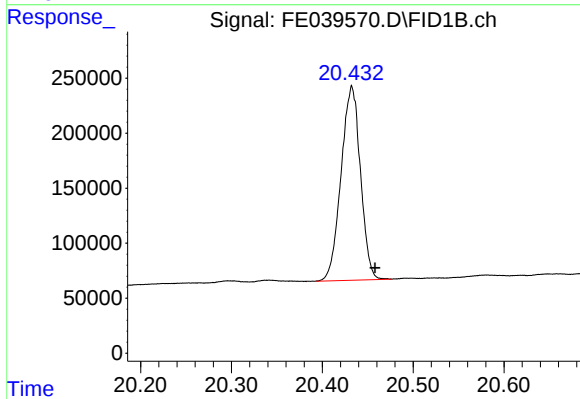
#18 n-Dotriacontane (C32)

R.T.: 18.909 min
Delta R.T.: -0.025 min
Response: 3032633
Conc: 23.42 ug/ml



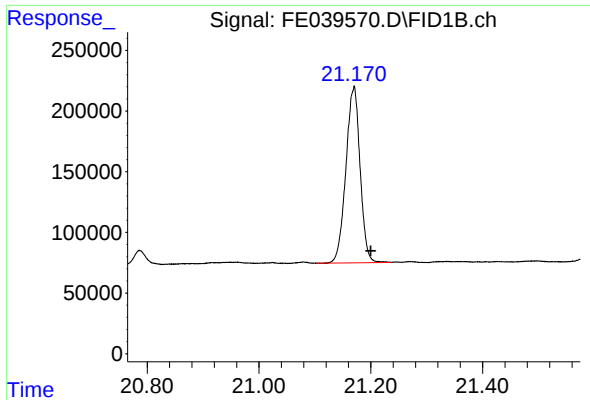
#19 n-Tetratriacontane (C34)

R.T.: 19.691 min
Delta R.T.: -0.026 min
Response: 2844156
Conc: 22.54 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.432 min
Delta R.T.: -0.026 min
Response: 2612218
Conc: 21.60 ug/ml m



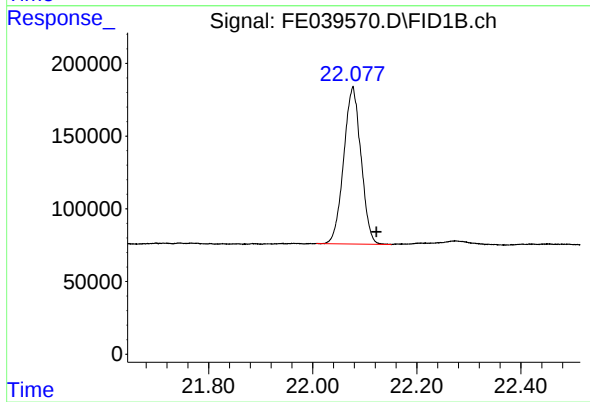
#21 n-Octatriacontane (C38)

R.T.: 21.170 min
Delta R.T.: -0.030 min
Response: 2559397
Conc: 20.72 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.077 min
Delta R.T.: -0.045 min
Response: 2493565
Conc: 19.86 ug/ml