

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE122123AL\
 Data File : FE045939.D
 Signal(s) : FID1B.ch
 Acq On : 22 Dec 2023 02:05
 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 12/22/2023
 Supervised By :Ankita Jodhani 12/22/2023

Integration File: sample.E
 Quant Time: Dec 22 03:09:16 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 113023.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 30 12:25:07 2023
 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)	11.843	4011528	19.183 ug/ml
Spiked Amount 50.000		Recovery =	38.37%
12) S 1-chlorooctadecane (S...	13.287	2950905	18.754 ug/ml
Spiked Amount 50.000		Recovery =	37.51%
Target Compounds			
1) T n-Nonane (C9)	3.228	3372600	21.268 ug/ml
2) T n-Decane (C10)	4.479	3431614	21.430 ug/ml
3) T A~Naphthalene (C11.7)	6.182	3710971	21.304 ug/ml
4) T n-Dodecane (C12)	6.647	3470771	21.487 ug/ml
5) T A~2-methylnaphthalene...	7.278	3588740	21.133 ug/ml
6) T n-Tetradecane (C14)	8.474	3442749	21.460 ug/ml
7) T n-Hexadecane (C16)	10.084	3493351	21.096 ug/ml
8) T n-Octadecane (C18)	11.531	3469892	20.239 ug/ml
10) T n-Eicosane (C20)	12.841	3317514	19.174 ug/ml
11) T n-Heneicosane (C21)	13.455	3234151	18.800 ug/ml
13) T n-Docosane (C22)	14.041	3184419	18.469 ug/ml
14) T n-Tetracosane (C24)	15.147	3088154	17.689 ug/ml
15) T n-Hexacosane (C26)	16.172	3004575	17.252 ug/ml
16) T n-Octacosane (C28)	17.125	2982744	17.258 ug/ml
17) T n-Tricontane (C30)	18.015	3077774	17.593 ug/mlm
18) T n-Dotriacontane (C32)	18.852	3120591	17.105 ug/mlm
19) T n-Tetratriacontane (C34)	19.638	3126270	18.841 ug/ml
20) T n-Hexatriacontane (C36)	20.383	3104202	19.556 ug/ml
21) T n-Octatriacontane (C38)	21.117	3388664	21.609 ug/ml
22) T n-Tetracontane (C40)	22.026	3209957	22.587 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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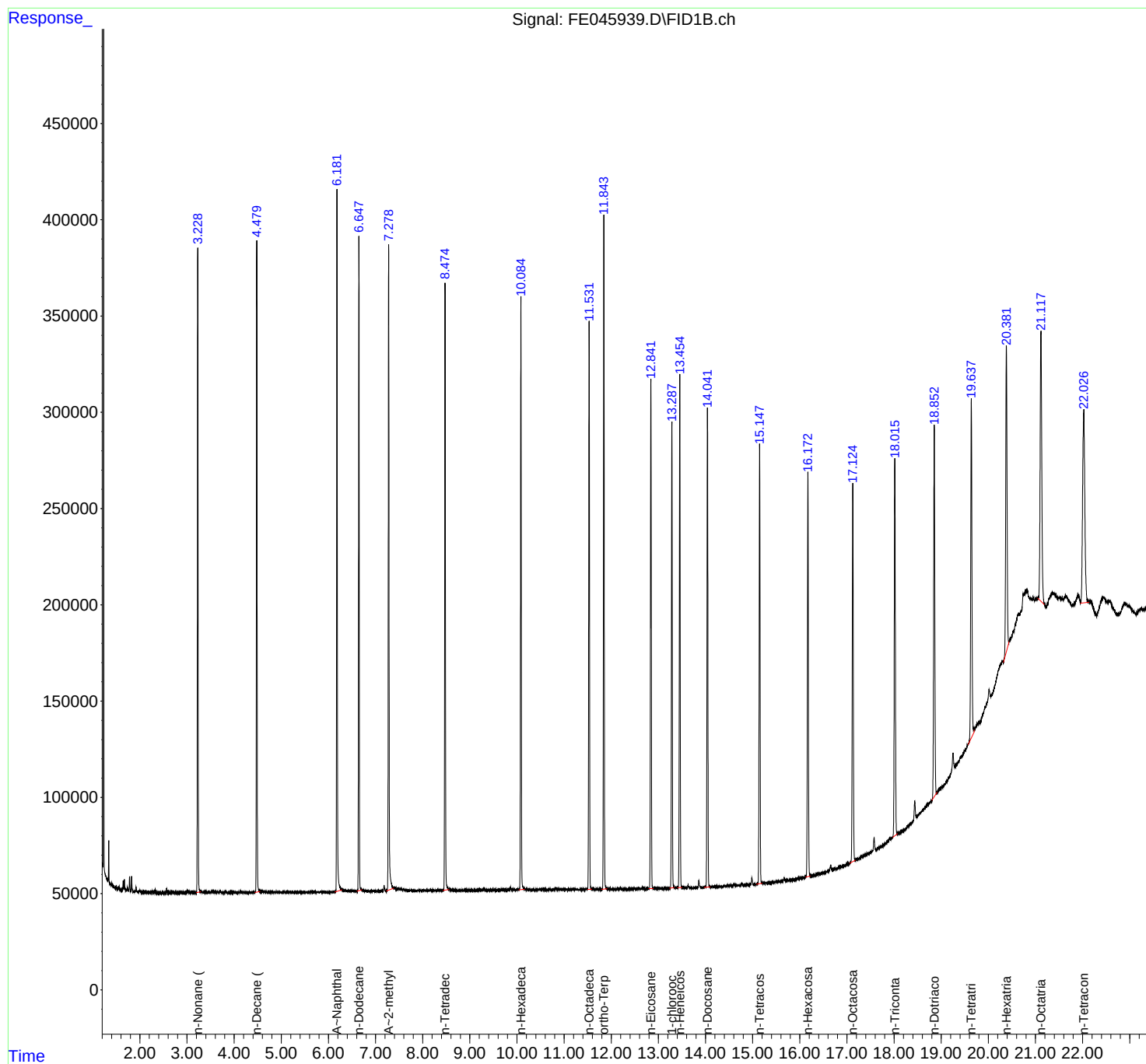
Instrument :
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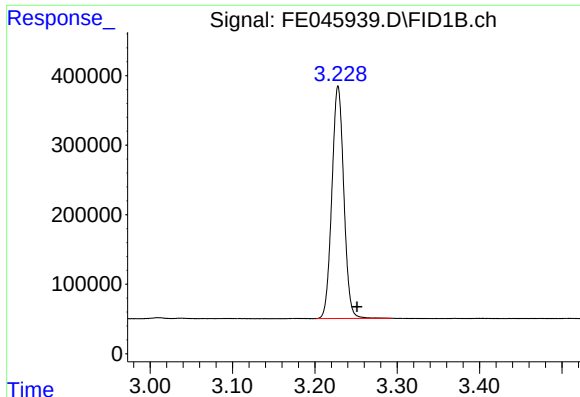
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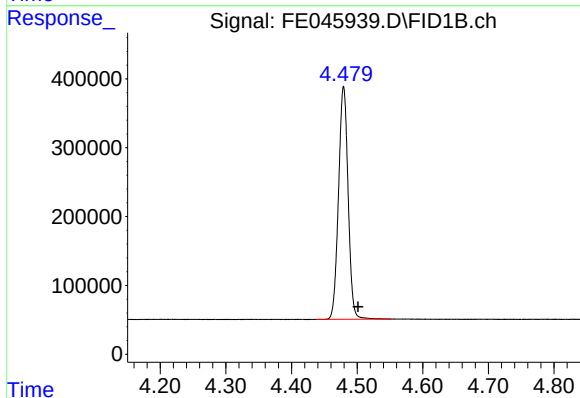
#1 n-Nonane (C9)

R.T.: 3.228 min
Delta R.T.: -0.023 min
Response: 3372600
Conc: 21.27 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

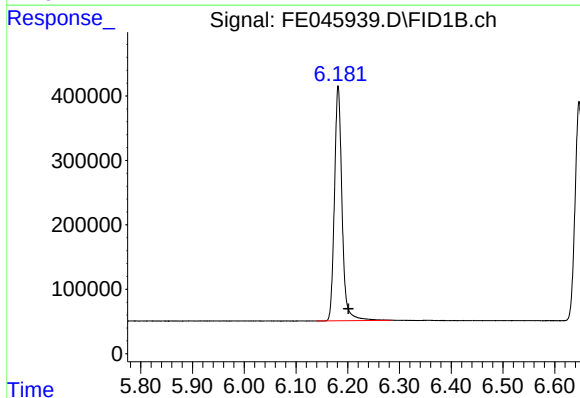
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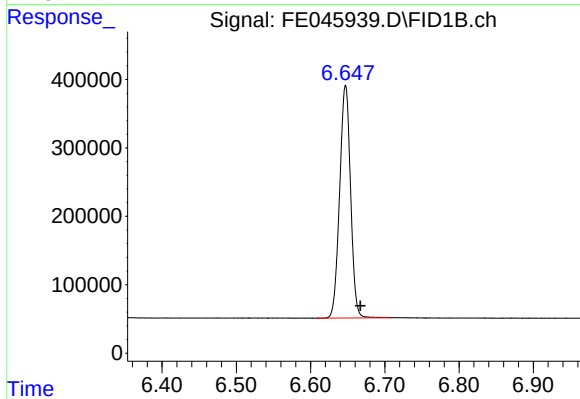
#2 n-Decane (C10)

R.T.: 4.479 min
Delta R.T.: -0.022 min
Response: 3431614
Conc: 21.43 ug/ml



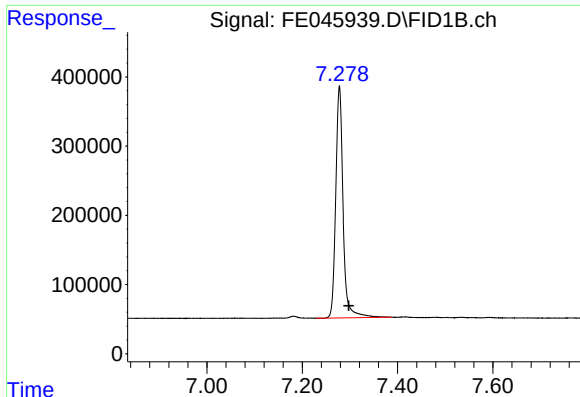
#3 A~Naphthalene (C11.7)

R.T.: 6.182 min
Delta R.T.: -0.020 min
Response: 3710971
Conc: 21.30 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.647 min
Delta R.T.: -0.020 min
Response: 3470771
Conc: 21.49 ug/ml



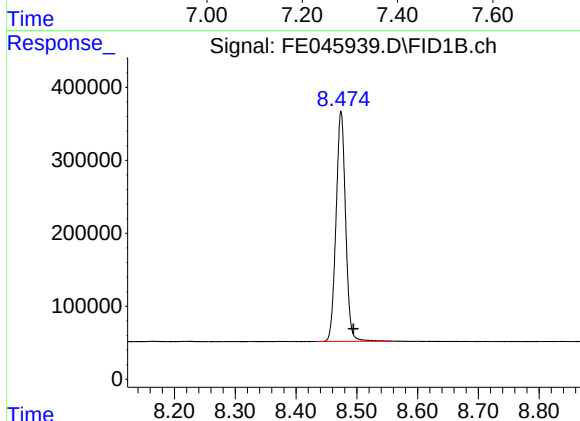
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.278 min
Delta R.T.: -0.019 min
Response: 3588740
Conc: 21.13 ug/ml

Instrument :
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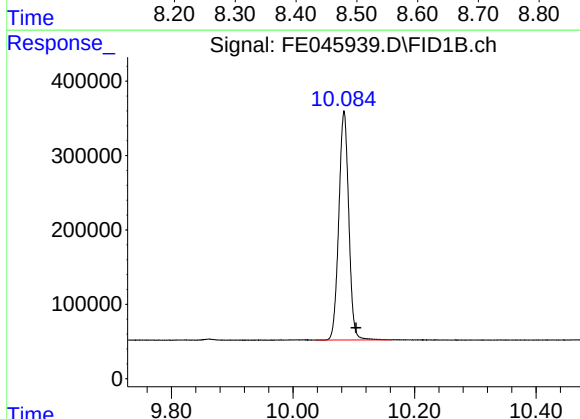
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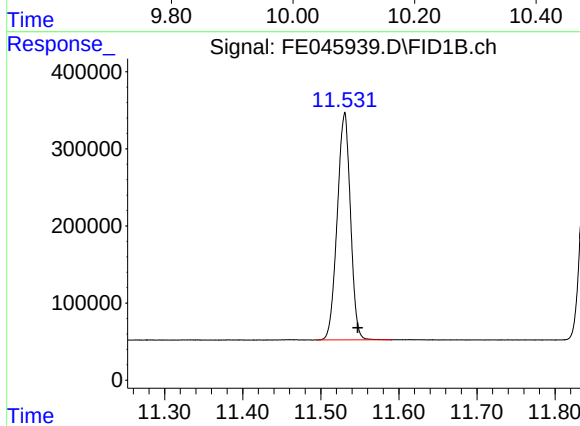
#6 n-Tetradecane (C14)

R.T.: 8.474 min
Delta R.T.: -0.020 min
Response: 3442749
Conc: 21.46 ug/ml



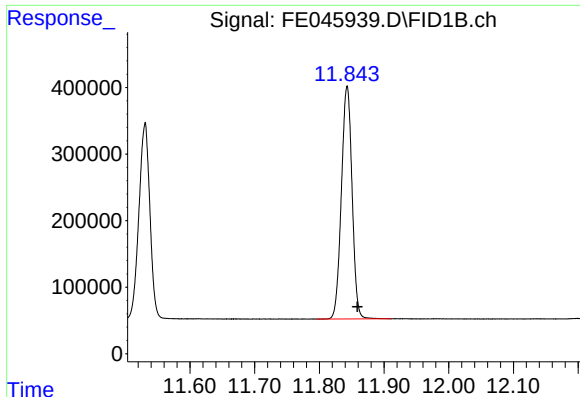
#7 n-Hexadecane (C16)

R.T.: 10.084 min
Delta R.T.: -0.020 min
Response: 3493351
Conc: 21.10 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.531 min
Delta R.T.: -0.017 min
Response: 3469892
Conc: 20.24 ug/ml



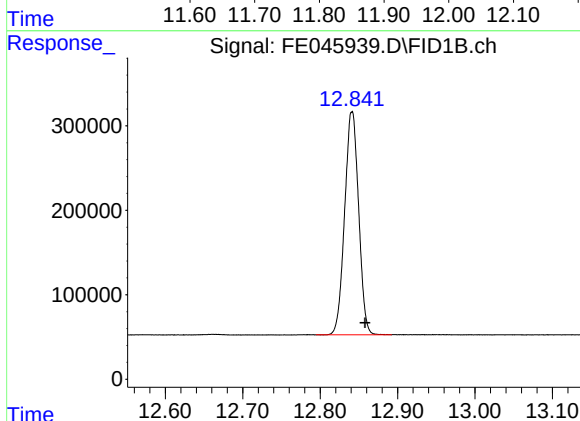
#9 ortho-Terphenyl (SURR)

R.T.: 11.843 min
Delta R.T.: -0.016 min
Response: 4011528
Conc: 19.18 ug/ml

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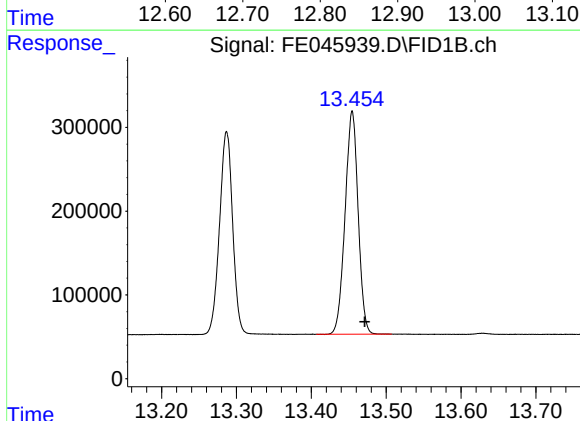
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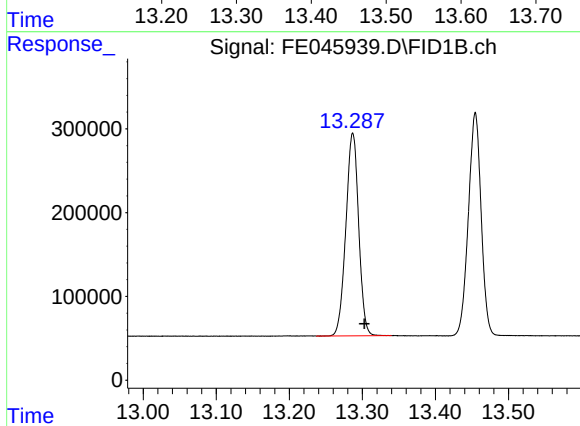
#10 n-Eicosane (C20)

R.T.: 12.841 min
Delta R.T.: -0.017 min
Response: 3317514
Conc: 19.17 ug/ml



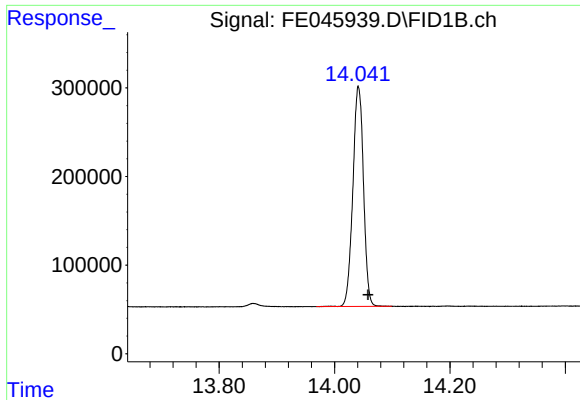
#11 n-Heneicosane (C21)

R.T.: 13.455 min
Delta R.T.: -0.016 min
Response: 3234151
Conc: 18.80 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.287 min
Delta R.T.: -0.016 min
Response: 2950905
Conc: 18.75 ug/ml



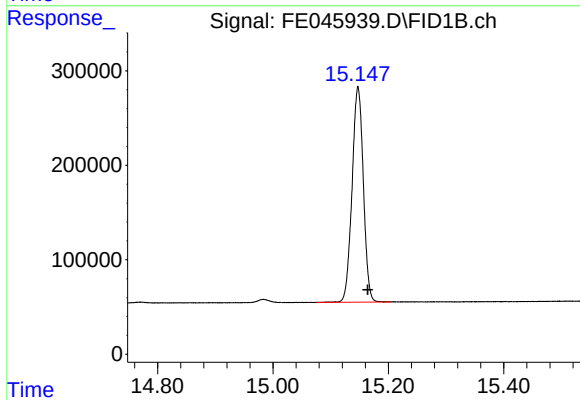
#13 n-Docosane (C22)

R.T.: 14.041 min
Delta R.T.: -0.017 min
Response: 3184419
Conc: 18.47 ug/ml

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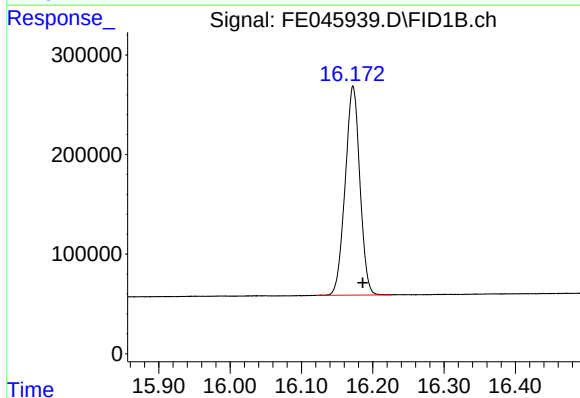
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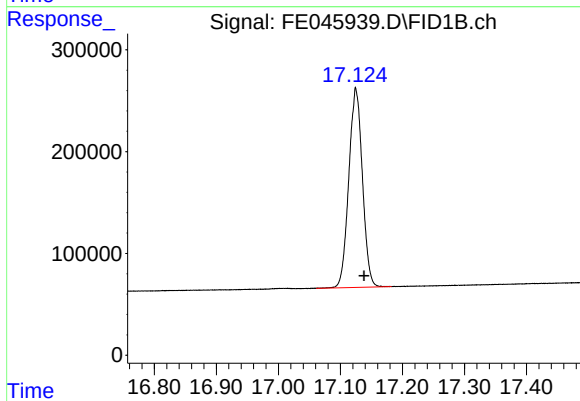
#14 n-Tetracosane (C24)

R.T.: 15.147 min
Delta R.T.: -0.017 min
Response: 3088154
Conc: 17.69 ug/ml



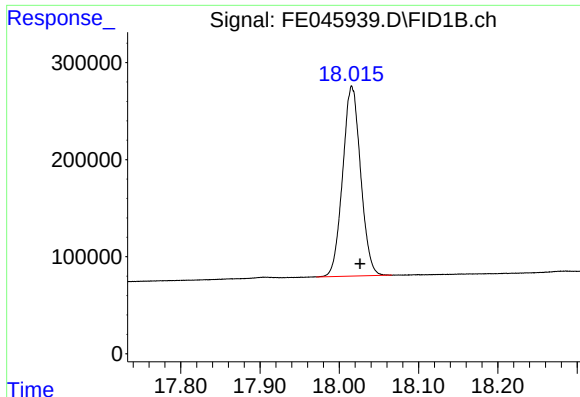
#15 n-Hexacosane (C26)

R.T.: 16.172 min
Delta R.T.: -0.014 min
Response: 3004575
Conc: 17.25 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.125 min
Delta R.T.: -0.013 min
Response: 2982744
Conc: 17.26 ug/ml



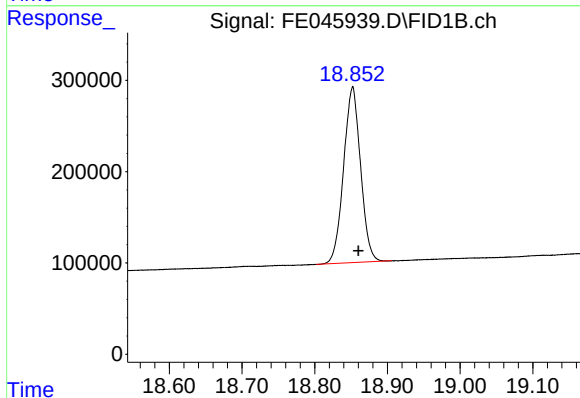
#17 n-Tricontane (C30)

R.T.: 18.015 min
Delta R.T.: -0.011 min
Response: 3077774
Conc: 17.59 ug/ml

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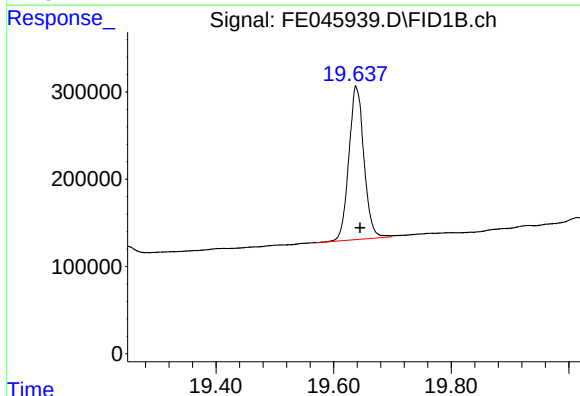
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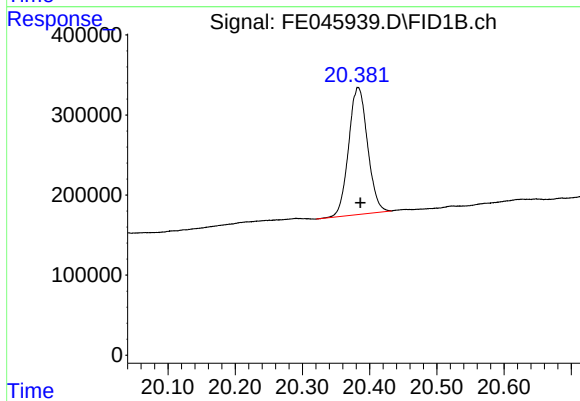
#18 n-Dotriacontane (C32)

R.T.: 18.852 min
Delta R.T.: -0.008 min
Response: 3120591
Conc: 17.11 ug/ml m



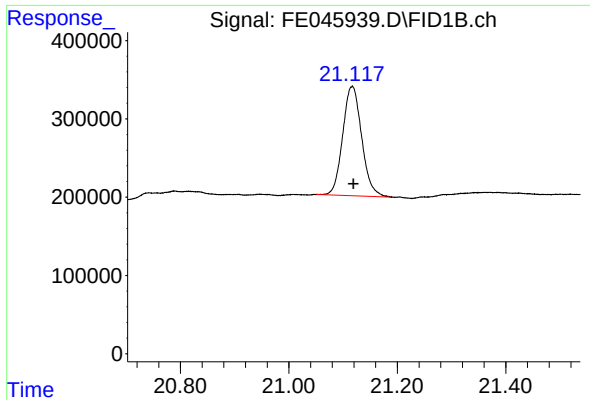
#19 n-Tetratriacontane (C34)

R.T.: 19.638 min
Delta R.T.: -0.007 min
Response: 3126270
Conc: 18.84 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.383 min
Delta R.T.: -0.003 min
Response: 3104202
Conc: 19.56 ug/ml



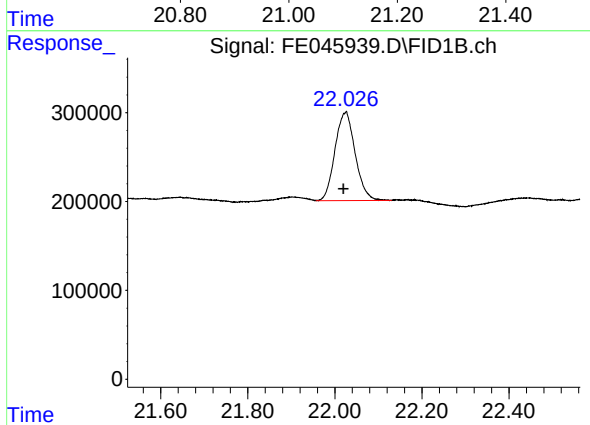
#21 n-Octatriacontane (C38)

R.T.: 21.117 min
Delta R.T.: -0.002 min
Response: 3388664
Conc: 21.61 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.026 min
Delta R.T.: 0.007 min
Response: 3209957
Conc: 22.59 ug/ml