

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE102822AL\
 Data File : FE038383.D
 Signal(s) : FID1B.ch
 Acq On : 28 Oct 2022 09:29
 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 10/28/2022
 Supervised By :Ankita Jodhani 10/31/2022

Integration File: autoint1.e
 Quant Time: Oct 28 13:18:00 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 102522.M
 Quant Title : GC Extractables
 Qlast Update : Wed Oct 26 04:49:29 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)	11.974	3522776	20.473 ug/ml
Spiked Amount 50.000		Recovery =	40.95%
12) S 1-chlorooctadecane (S...	13.405	2712770	19.815 ug/ml
Spiked Amount 50.000		Recovery =	39.63%
Target Compounds			
1) T n-Nonane (C9)	3.373	3303052	21.447 ug/ml
2) T n-Decane (C10)	4.620	3328797	21.445 ug/ml
3) T A~Naphthalene (C11.7)	6.321	3594354	21.224 ug/ml
4) T n-Dodecane (C12)	6.781	3349497	21.441 ug/ml
5) T A~2-methylnaphthalene...	7.415	3511416	20.953 ug/ml
6) T n-Tetradecane (C14)	8.606	3333558	21.316 ug/ml
7) T n-Hexadecane (C16)	10.212	3328682	21.069 ug/ml
8) T n-Octadecane (C18)	11.653	3323928	20.751 ug/ml
10) T n-Eicosane (C20)	12.961	3283240	20.377 ug/ml
11) T n-Heneicosane (C21)	13.572	3266621	20.223 ug/ml
13) T n-Docosane (C22)	14.158	3239478	20.066 ug/ml
14) T n-Tetracosane (C24)	15.258	3161590	19.711 ug/ml
15) T n-Hexacosane (C26)	16.279	3072039	19.341 ug/ml
16) T n-Octacosane (C28)	17.226	2959317	18.862 ug/ml
17) T n-Tricontane (C30)	18.112	2900049	18.176 ug/ml
18) T n-Dotriacontane (C32)	18.943	2890473	18.332 ug/ml
19) T n-Tetratriacontane (C34)	19.724	2775550	18.827 ug/mlm
20) T n-Hexatriacontane (C36)	20.463	2785480	19.495 ug/ml
21) T n-Octatriacontane (C38)	21.207	2754630	20.395 ug/ml
22) T n-Tetracontane (C40)	22.133	2737161	21.684 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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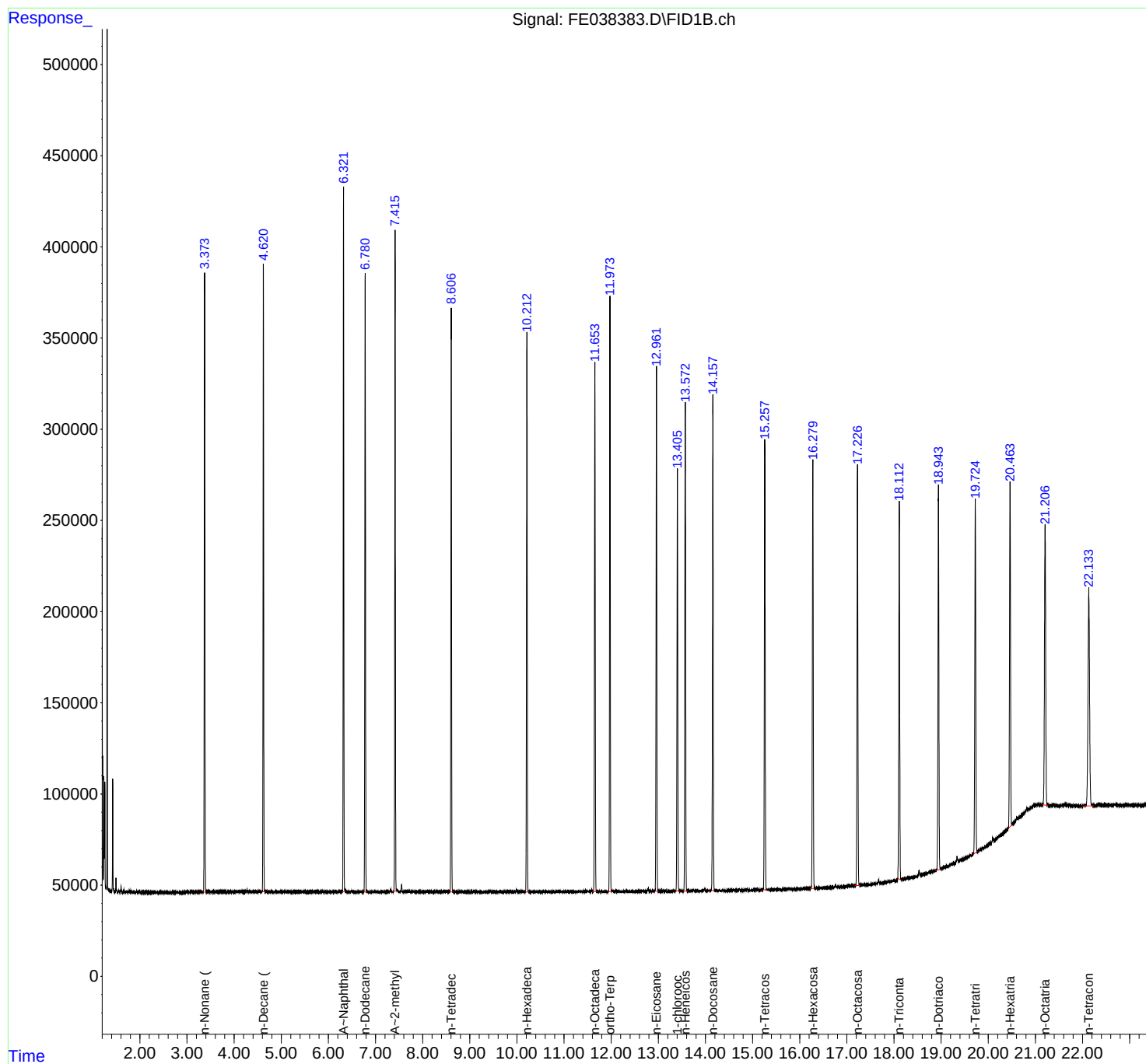
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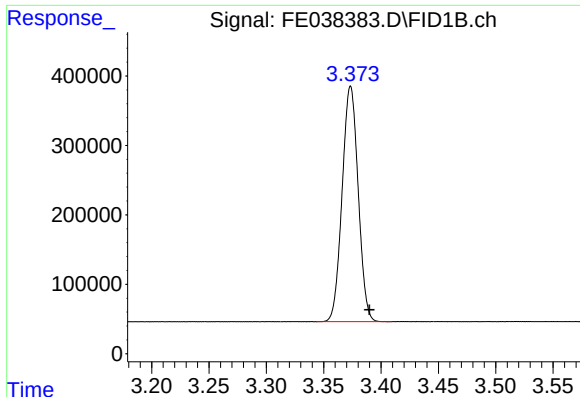
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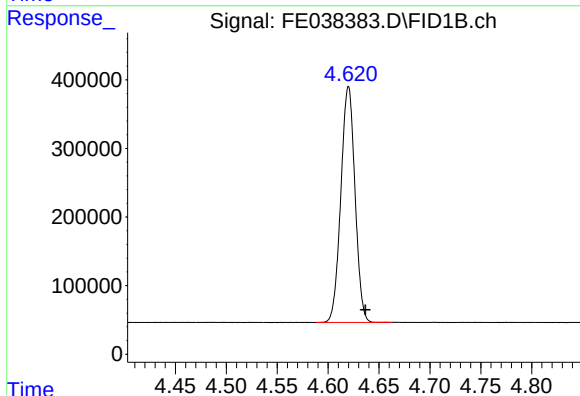
#1 n-Nonane (C9)

R.T.: 3.373 min
Delta R.T.: -0.017 min
Response: 3303052
Conc: 21.45 ug/ml

Instrument :
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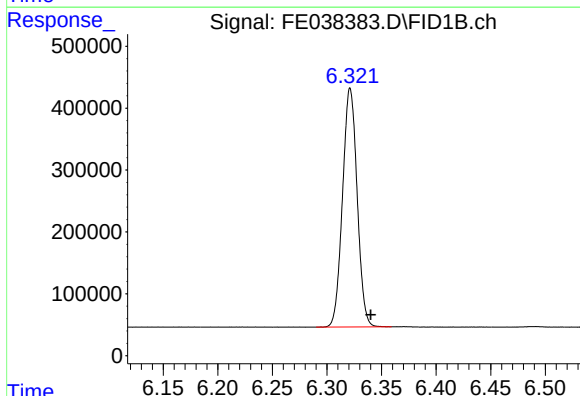
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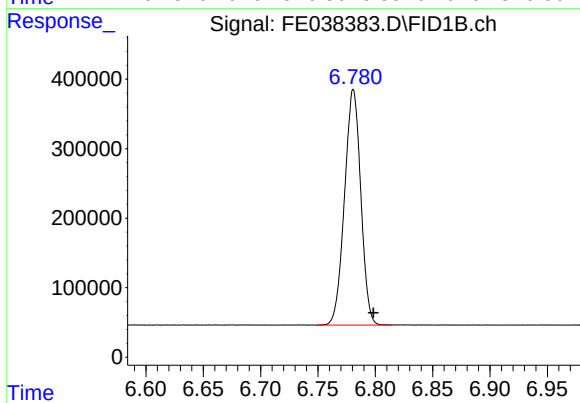
#2 n-Decane (C10)

R.T.: 4.620 min
Delta R.T.: -0.017 min
Response: 3328797
Conc: 21.45 ug/ml



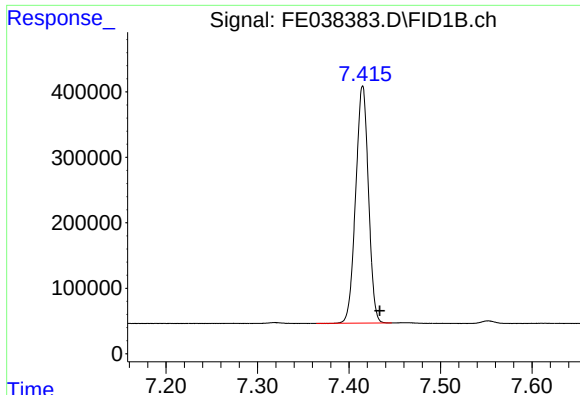
#3 A~Naphthalene (C11.7)

R.T.: 6.321 min
Delta R.T.: -0.019 min
Response: 3594354
Conc: 21.22 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.781 min
Delta R.T.: -0.017 min
Response: 3349497
Conc: 21.44 ug/ml



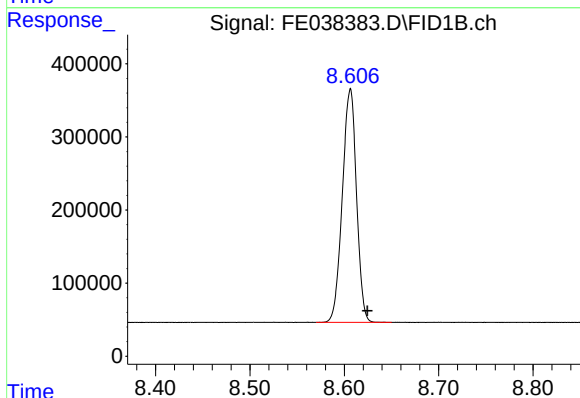
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.415 min
Delta R.T.: -0.019 min
Response: 3511416
Conc: 20.95 ug/ml

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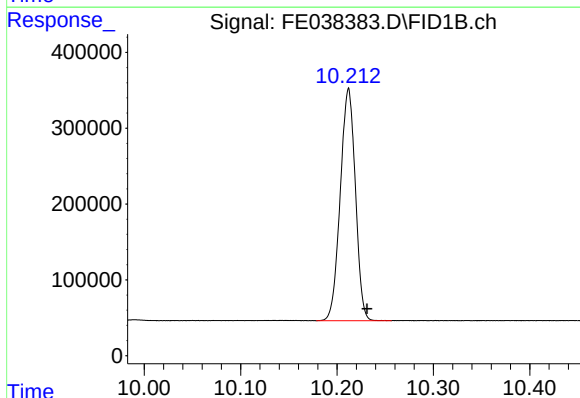
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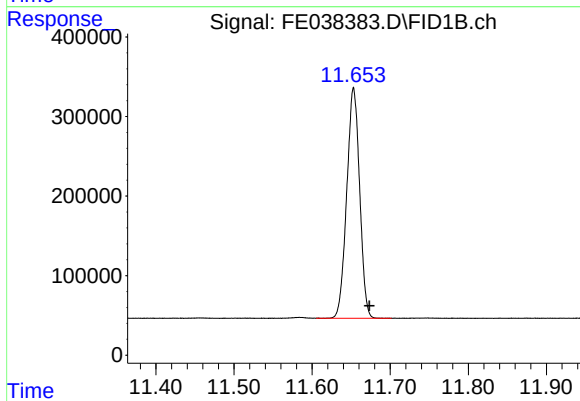
#6 n-Tetradecane (C14)

R.T.: 8.606 min
Delta R.T.: -0.018 min
Response: 3333558
Conc: 21.32 ug/ml



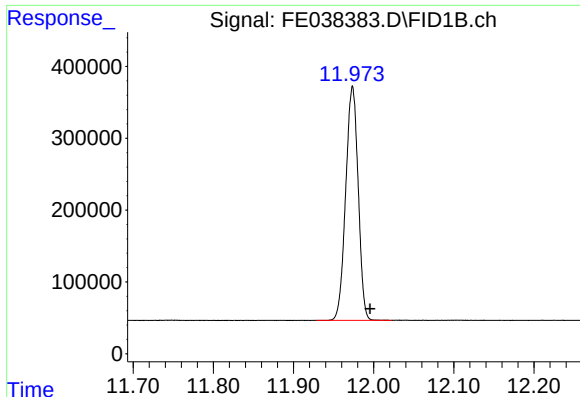
#7 n-Hexadecane (C16)

R.T.: 10.212 min
Delta R.T.: -0.019 min
Response: 3328682
Conc: 21.07 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.653 min
Delta R.T.: -0.020 min
Response: 3323928
Conc: 20.75 ug/ml



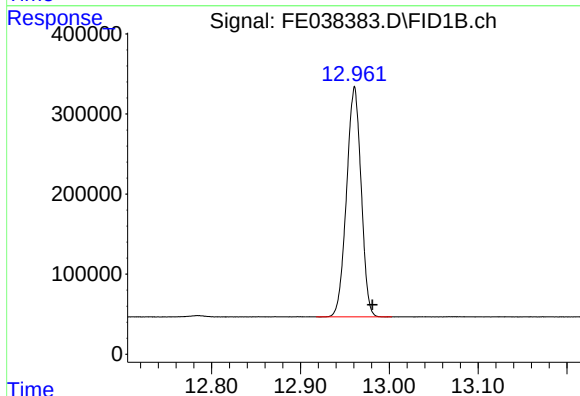
#9 ortho-Terphenyl (SURR)

R.T.: 11.974 min
Delta R.T.: -0.022 min
Response: 3522776
Conc: 20.47 ug/ml

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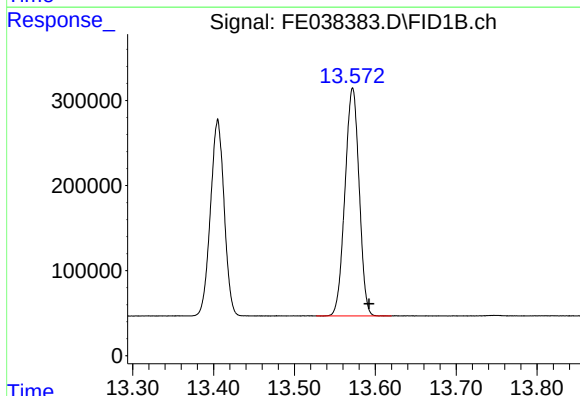
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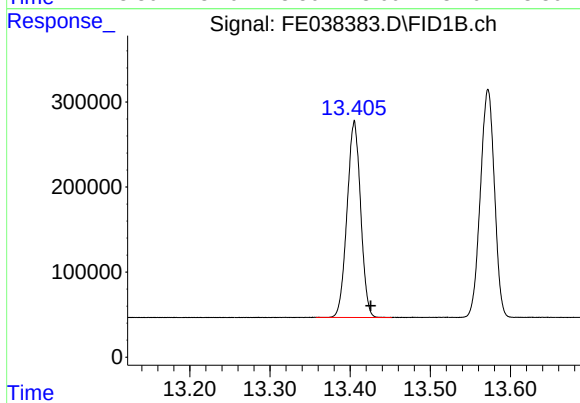
#10 n-Eicosane (C20)

R.T.: 12.961 min
Delta R.T.: -0.020 min
Response: 3283240
Conc: 20.38 ug/ml



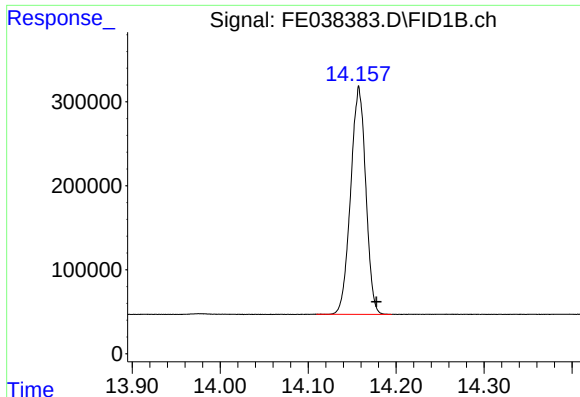
#11 n-Heneicosane (C21)

R.T.: 13.572 min
Delta R.T.: -0.020 min
Response: 3266621
Conc: 20.22 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.405 min
Delta R.T.: -0.021 min
Response: 2712770
Conc: 19.82 ug/ml



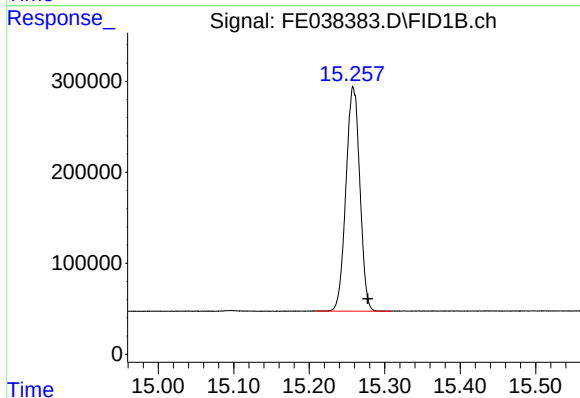
#13 n-Docosane (C22)

R.T.: 14.158 min
Delta R.T.: -0.020 min
Response: 3239478
Conc: 20.07 ug/ml

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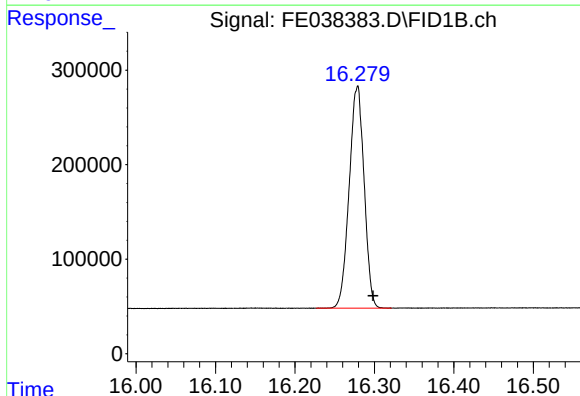
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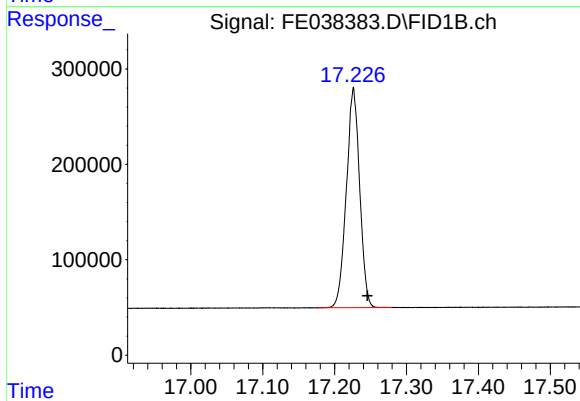
#14 n-Tetracosane (C24)

R.T.: 15.258 min
Delta R.T.: -0.019 min
Response: 3161590
Conc: 19.71 ug/ml



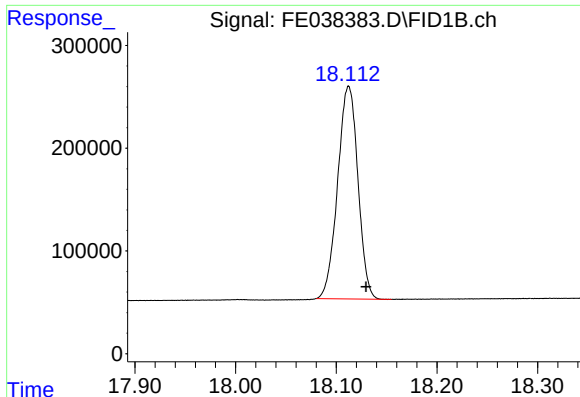
#15 n-Hexacosane (C26)

R.T.: 16.279 min
Delta R.T.: -0.020 min
Response: 3072039
Conc: 19.34 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.226 min
Delta R.T.: -0.020 min
Response: 2959317
Conc: 18.86 ug/ml



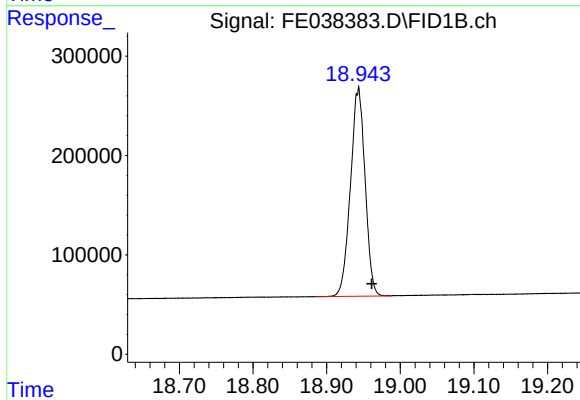
#17 n-Tricontane (C30)

R.T.: 18.112 min
Delta R.T.: -0.017 min
Response: 2900049
Conc: 18.18 ug/ml

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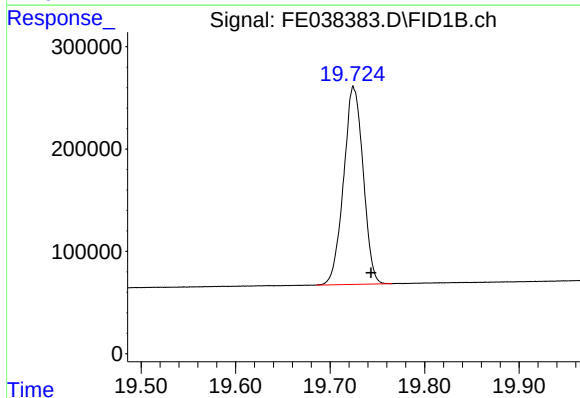
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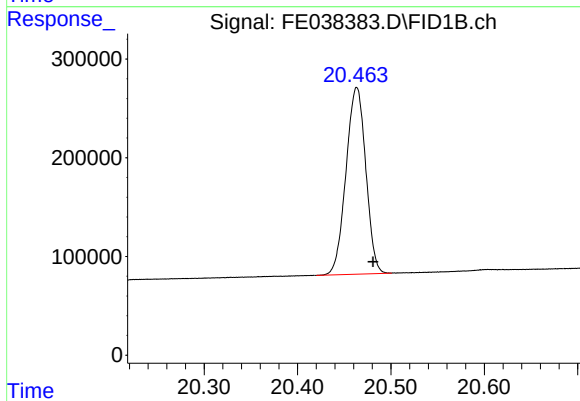
#18 n-Dotriacontane (C32)

R.T.: 18.943 min
Delta R.T.: -0.018 min
Response: 2890473
Conc: 18.33 ug/ml



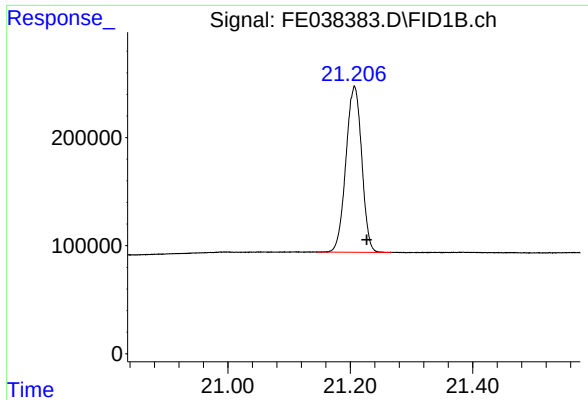
#19 n-Tetratriacontane (C34)

R.T.: 19.724 min
Delta R.T.: -0.019 min
Response: 2775550
Conc: 18.83 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.463 min
Delta R.T.: -0.017 min
Response: 2785480
Conc: 19.49 ug/ml



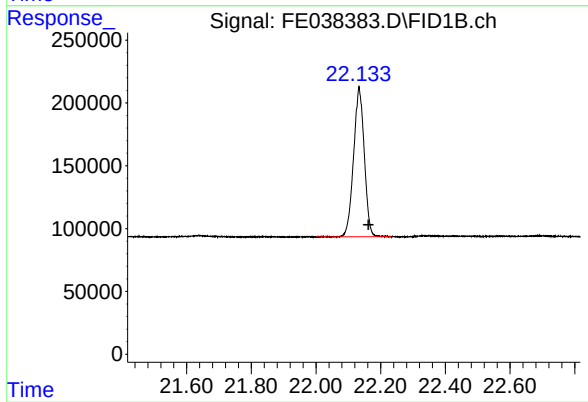
#21 n-Octatriacontane (C38)

R.T.: 21.207 min
Delta R.T.: -0.020 min
Response: 2754630
Conc: 20.40 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.133 min
Delta R.T.: -0.029 min
Response: 2737161
Conc: 21.68 ug/ml