

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110922AL\
 Data File : FE038662.D
 Signal(s) : FID1B.ch
 Acq On : 09 Nov 2022 10:44
 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 11/10/2022
 Supervised By :Ankita Jodhani 11/10/2022

Integration File: autoint1.e
 Quant Time: Nov 10 04:54:08 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)	11.965	2707666	15.736 ug/ml
Spiked Amount 50.000		Recovery =	31.47%
12) S 1-chlorooctadecane (S...	13.400	2126513	15.533 ug/ml
Spiked Amount 50.000		Recovery =	31.07%
Target Compounds			
1) T n-Nonane (C9)	3.361	2605549	16.918 ug/ml
2) T n-Decane (C10)	4.609	2657280	17.119 ug/ml
3) T A~Naphthalene (C11.7)	6.314	2820141	16.652 ug/ml
4) T n-Dodecane (C12)	6.771	2660587	17.031 ug/ml
5) T A~2-methylnaphthalene...	7.407	2754728	16.438 ug/ml
6) T n-Tetradecane (C14)	8.597	2633223	16.838 ug/ml
7) T n-Hexadecane (C16)	10.204	2623156	16.603 ug/ml
8) T n-Octadecane (C18)	11.646	2599511	16.229 ug/ml
10) T n-Eicosane (C20)	12.954	2546640	15.805 ug/ml
11) T n-Heneicosane (C21)	13.565	2518712	15.592 ug/ml
13) T n-Docosane (C22)	14.151	2506077	15.523 ug/ml
14) T n-Tetracosane (C24)	15.254	2467624	15.384 ug/ml
15) T n-Hexacosane (C26)	16.273	2439753	15.360 ug/ml
16) T n-Octacosane (C28)	17.223	2485554	15.843 ug/ml
17) T n-Tricontane (C30)	18.110	2692164	16.873 ug/ml
18) T n-Dotriacontane (C32)	18.942	2869001	18.196 ug/ml
19) T n-Tetratriacontane (C34)	19.725	2771030	18.796 ug/mlm
20) T n-Hexatriacontane (C36)	20.465	2765213	19.353 ug/ml
21) T n-Octatriacontane (C38)	21.209	2730674	20.218 ug/ml
22) T n-Tetracontane (C40)	22.137	2983891	23.639 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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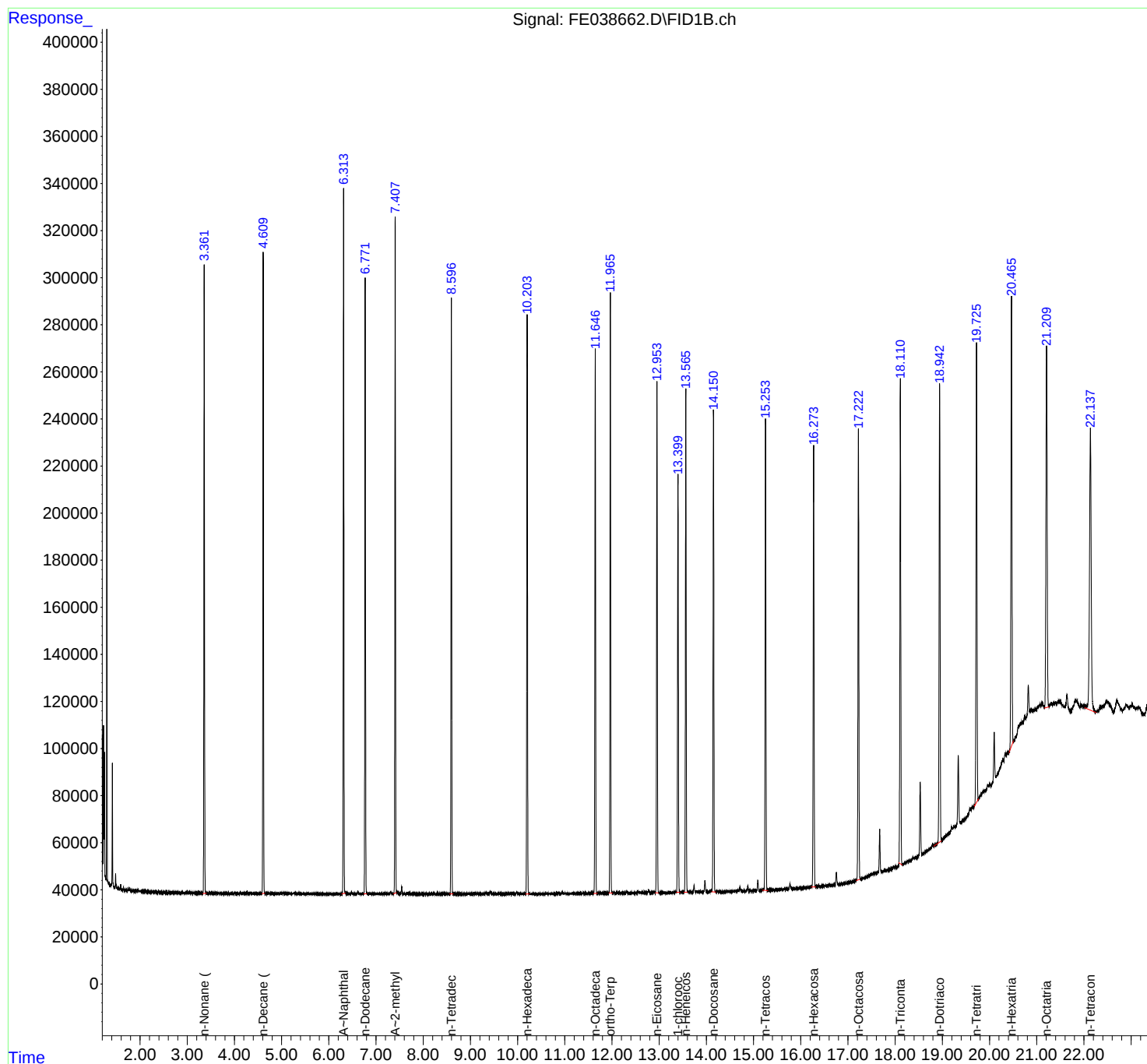
Instrument :
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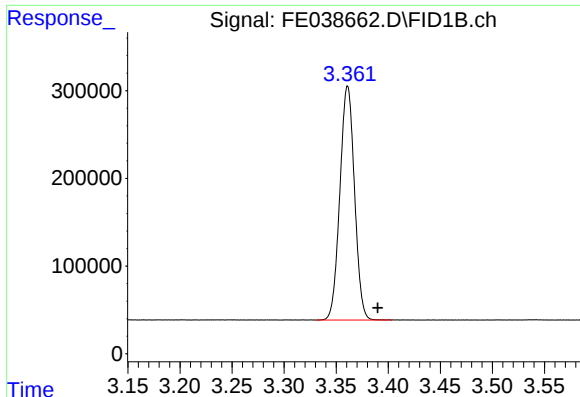
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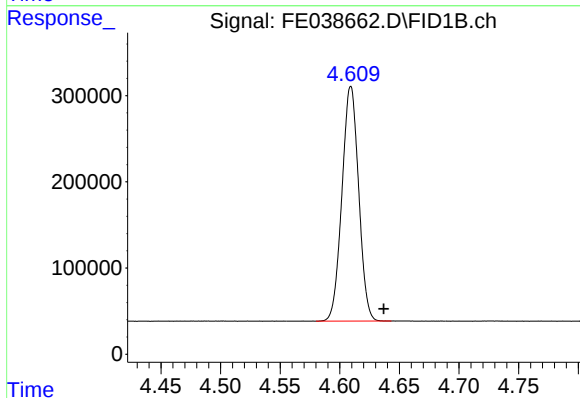
#1 n-Nonane (C9)

R.T.: 3.361 min
Delta R.T.: -0.029 min
Response: 2605549
Conc: 16.92 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

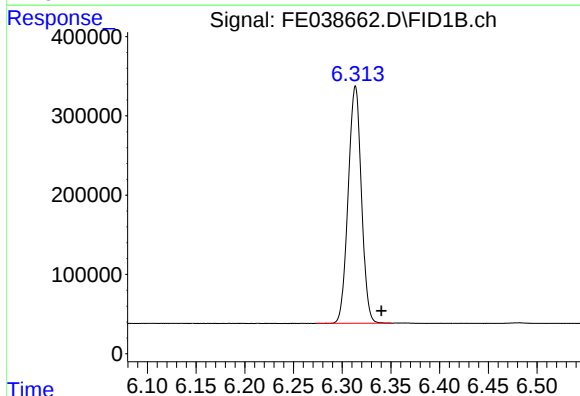
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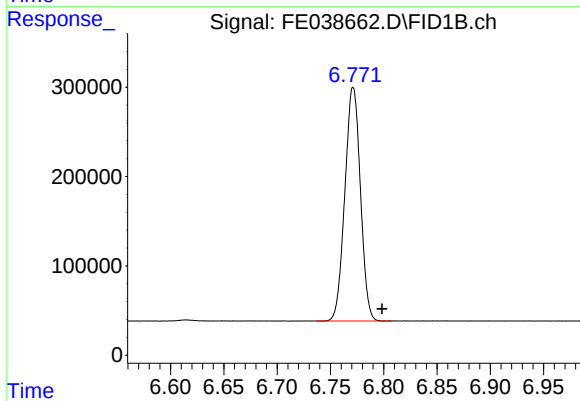
#2 n-Decane (C10)

R.T.: 4.609 min
Delta R.T.: -0.028 min
Response: 2657280
Conc: 17.12 ug/ml



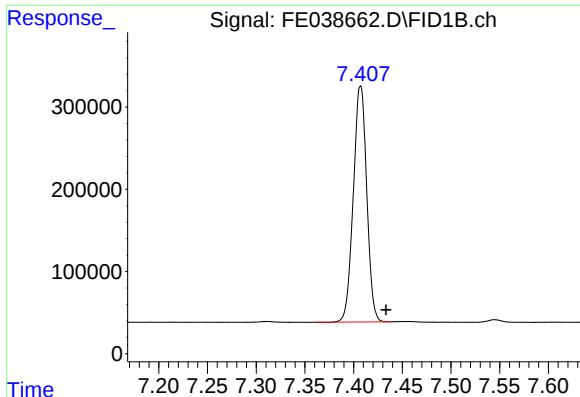
#3 A~Naphthalene (C11.7)

R.T.: 6.314 min
Delta R.T.: -0.026 min
Response: 2820141
Conc: 16.65 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.771 min
Delta R.T.: -0.027 min
Response: 2660587
Conc: 17.03 ug/ml



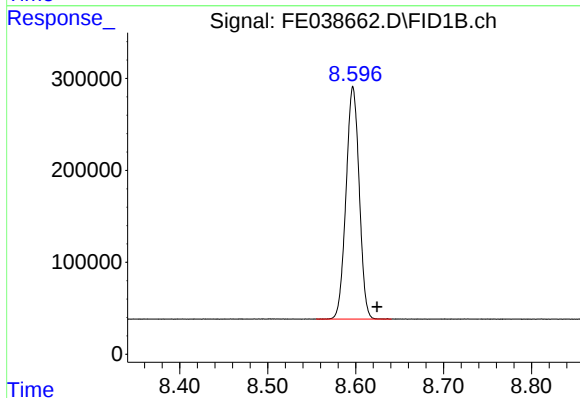
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.407 min
Delta R.T.: -0.026 min
Response: 2754728
Conc: 16.44 ug/ml

Instrument :
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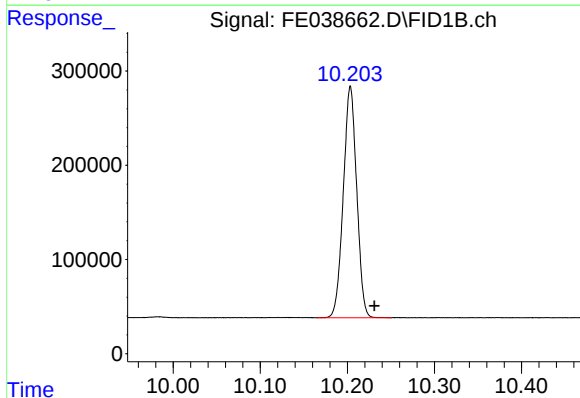
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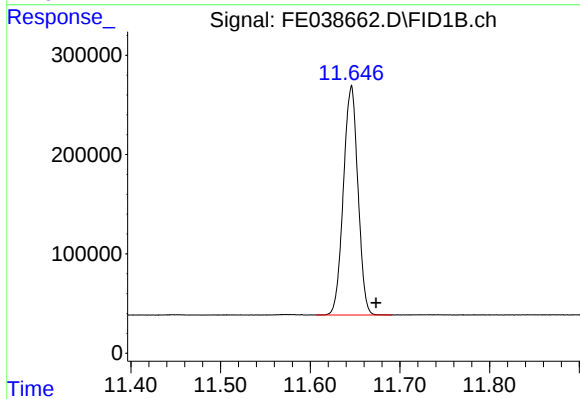
#6 n-Tetradecane (C14)

R.T.: 8.597 min
Delta R.T.: -0.027 min
Response: 2633223
Conc: 16.84 ug/ml



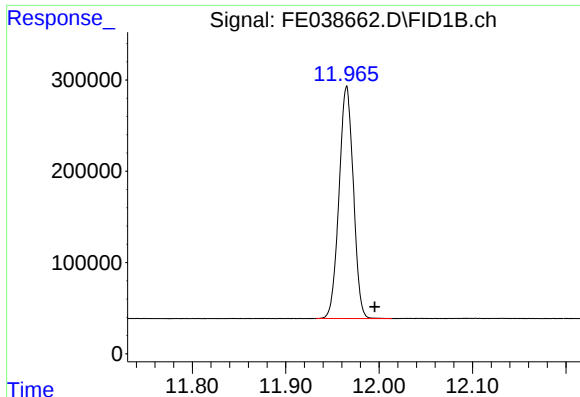
#7 n-Hexadecane (C16)

R.T.: 10.204 min
Delta R.T.: -0.028 min
Response: 2623156
Conc: 16.60 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.646 min
Delta R.T.: -0.027 min
Response: 2599511
Conc: 16.23 ug/ml



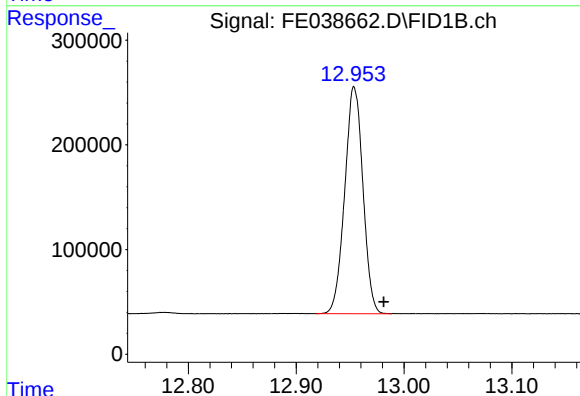
#9 ortho-Terphenyl (SURR)

R.T.: 11.965 min
Delta R.T.: -0.030 min
Response: 2707666
Conc: 15.74 ug/ml

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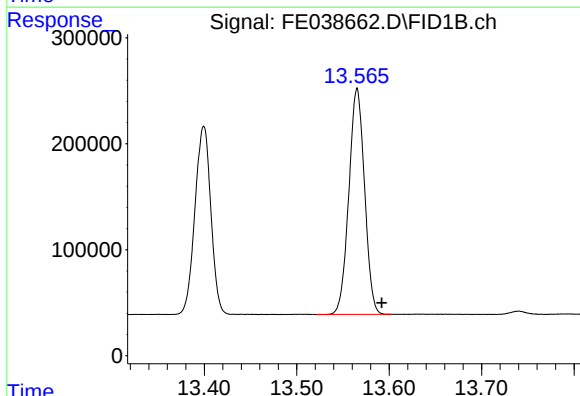
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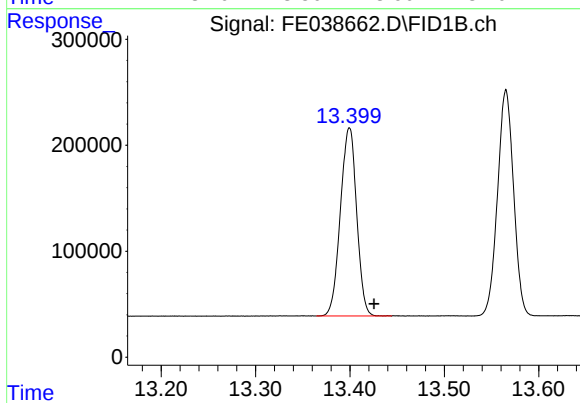
#10 n-Eicosane (C20)

R.T.: 12.954 min
Delta R.T.: -0.027 min
Response: 2546640
Conc: 15.81 ug/ml



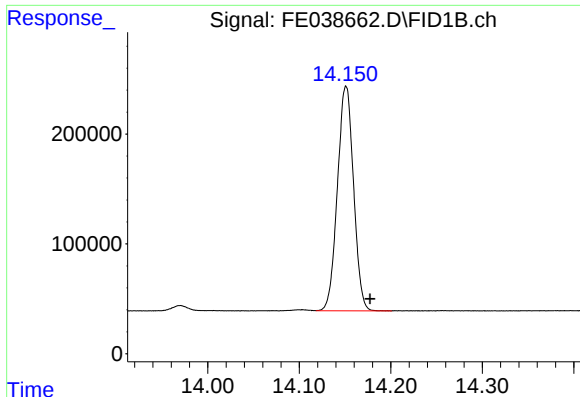
#11 n-Heneicosane (C21)

R.T.: 13.565 min
Delta R.T.: -0.027 min
Response: 2518712
Conc: 15.59 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.400 min
Delta R.T.: -0.026 min
Response: 2126513
Conc: 15.53 ug/ml



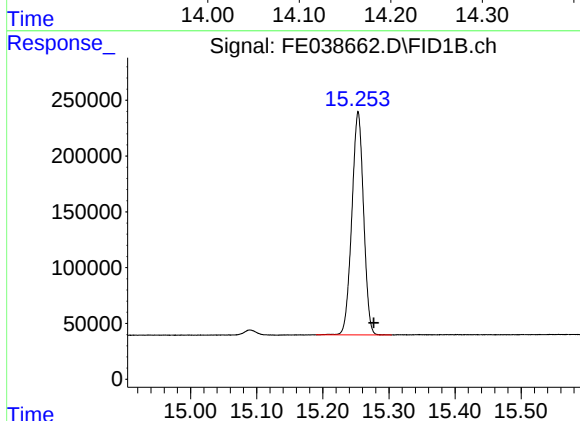
#13 n-Docosane (C22)

R.T.: 14.151 min
Delta R.T.: -0.026 min
Response: 2506077
Conc: 15.52 ug/ml

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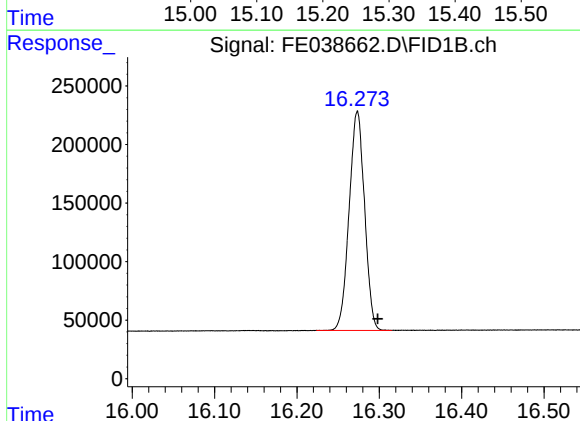
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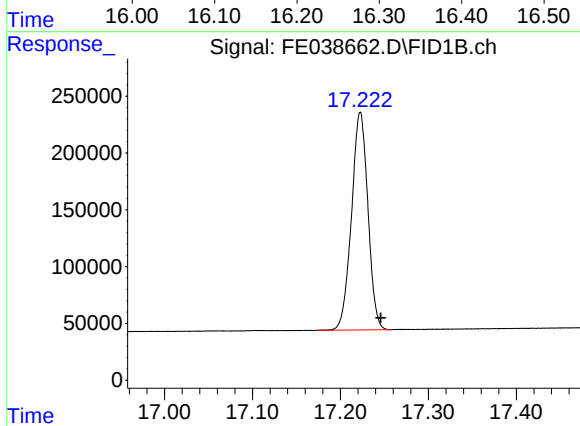
#14 n-Tetracosane (C24)

R.T.: 15.254 min
Delta R.T.: -0.024 min
Response: 2467624
Conc: 15.38 ug/ml



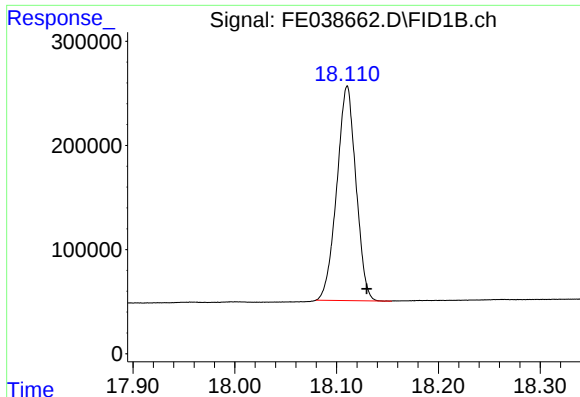
#15 n-Hexacosane (C26)

R.T.: 16.273 min
Delta R.T.: -0.025 min
Response: 2439753
Conc: 15.36 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.223 min
Delta R.T.: -0.023 min
Response: 2485554
Conc: 15.84 ug/ml



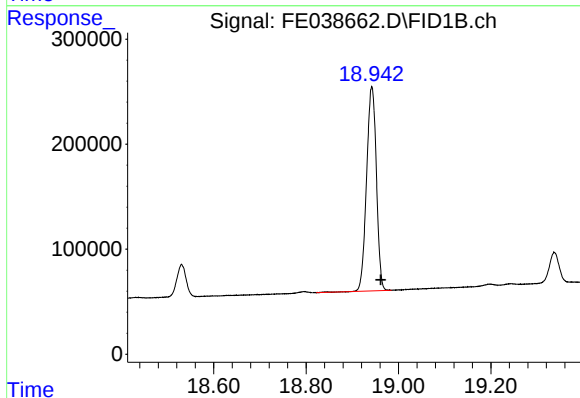
#17 n-Tricontane (C30)

R.T.: 18.110 min
Delta R.T.: -0.019 min
Response: 2692164
Conc: 16.87 ug/ml

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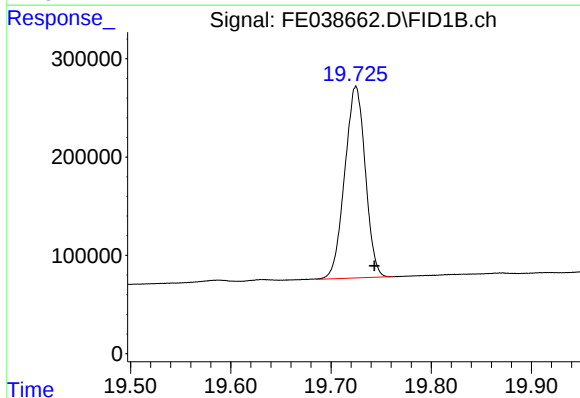
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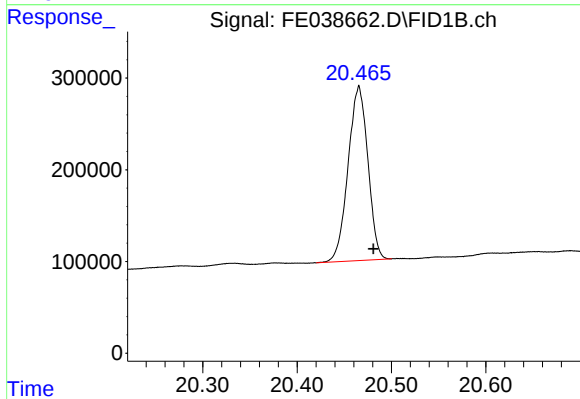
#18 n-Dotriacontane (C32)

R.T.: 18.942 min
Delta R.T.: -0.019 min
Response: 2869001
Conc: 18.20 ug/ml



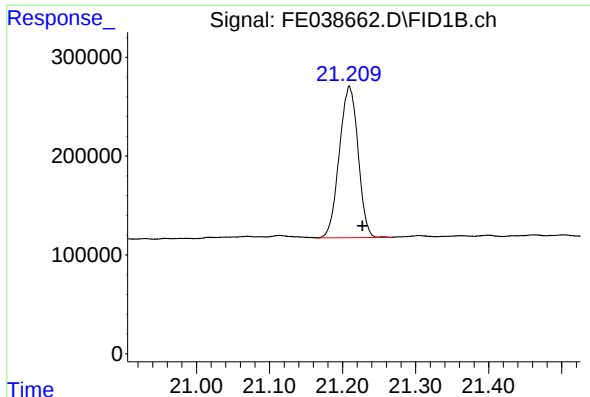
#19 n-Tetratriacontane (C34)

R.T.: 19.725 min
Delta R.T.: -0.019 min
Response: 2771030
Conc: 18.80 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.465 min
Delta R.T.: -0.015 min
Response: 2765213
Conc: 19.35 ug/ml



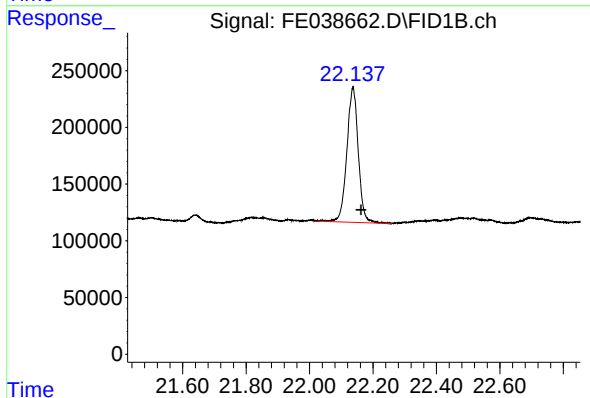
#21 n-Octatriacontane (C38)

R.T.: 21.209 min
Delta R.T.: -0.018 min
Response: 2730674
Conc: 20.22 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.137 min
Delta R.T.: -0.025 min
Response: 2983891
Conc: 23.64 ug/ml