

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111022AL\
 Data File : FE038706.D
 Signal(s) : FID1B.ch
 Acq On : 10 Nov 2022 12:04
 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 11/11/2022
 Supervised By :Ankita Jodhani 11/11/2022

Integration File: autoint1.e
 Quant Time: Nov 11 03:44:59 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)	11.964	3074608	17.868 ug/ml
Spiked Amount 50.000		Recovery =	35.74%
12) S 1-chlorooctadecane (S...	13.397	2417272	17.657 ug/ml
Spiked Amount 50.000		Recovery =	35.31%
Target Compounds			
1) T n-Nonane (C9)	3.358	2931497	19.034 ug/ml
2) T n-Decane (C10)	4.607	2987948	19.250 ug/ml
3) T A~Naphthalene (C11.7)	6.312	3203140	18.914 ug/ml
4) T n-Dodecane (C12)	6.770	2988329	19.129 ug/ml
5) T A~2-methylnaphthalene...	7.406	3131920	18.689 ug/ml
6) T n-Tetradecane (C14)	8.596	2964702	18.957 ug/ml
7) T n-Hexadecane (C16)	10.202	2949612	18.670 ug/ml
8) T n-Octadecane (C18)	11.644	2924936	18.260 ug/ml
10) T n-Eicosane (C20)	12.953	2867116	17.794 ug/ml
11) T n-Heneicosane (C21)	13.564	2843910	17.606 ug/ml
13) T n-Docosane (C22)	14.149	2837243	17.574 ug/ml
14) T n-Tetracosane (C24)	15.253	2807455	17.503 ug/ml
15) T n-Hexacosane (C26)	16.272	2782171	17.516 ug/ml
16) T n-Octacosane (C28)	17.221	2853424	18.187 ug/ml
17) T n-Tricontane (C30)	18.107	3106985	19.472 ug/mlm
18) T n-Dotriacontane (C32)	18.940	3264714	20.706 ug/ml
19) T n-Tetratriacontane (C34)	19.724	3100320	21.030 ug/mlm
20) T n-Hexatriacontane (C36)	20.463	3054444	21.377 ug/ml
21) T n-Octatriacontane (C38)	21.207	2987880	22.122 ug/ml
22) T n-Tetracontane (C40)	22.134	2973856	23.559 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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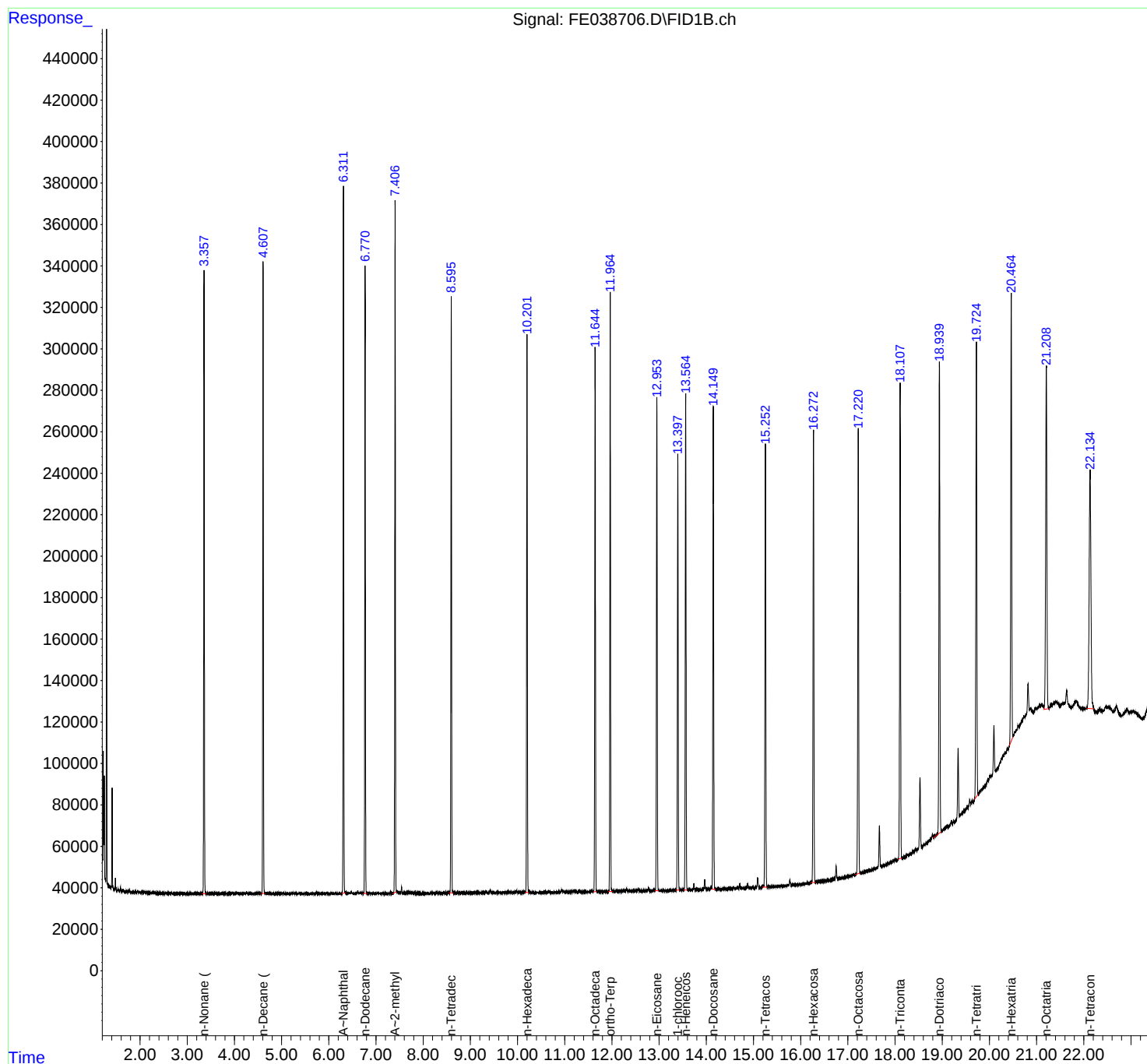
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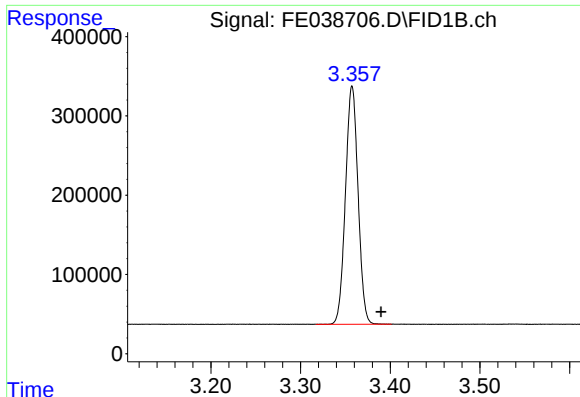
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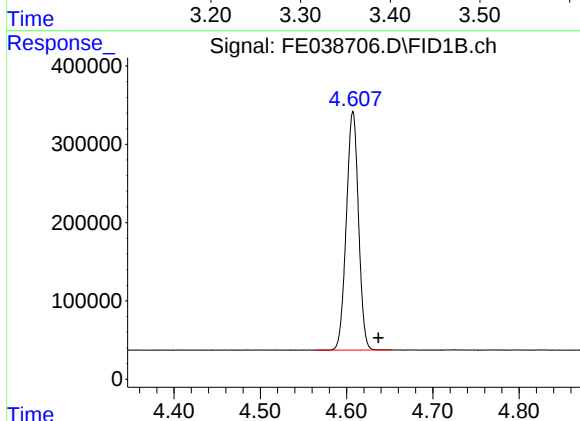
#1 n-Nonane (C9)

R.T.: 3.358 min
Delta R.T.: -0.032 min
Response: 2931497
Conc: 19.03 ug/ml

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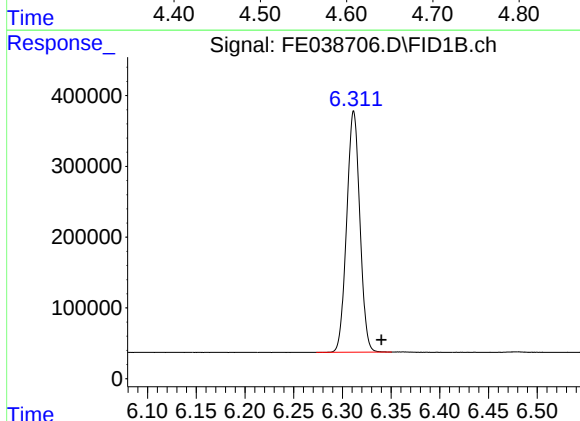
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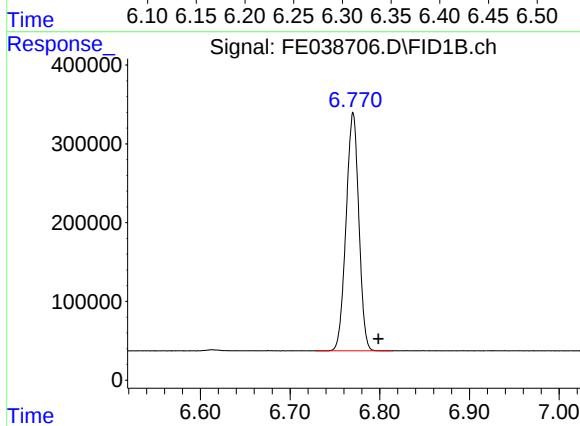
#2 n-Decane (C10)

R.T.: 4.607 min
Delta R.T.: -0.029 min
Response: 2987948
Conc: 19.25 ug/ml



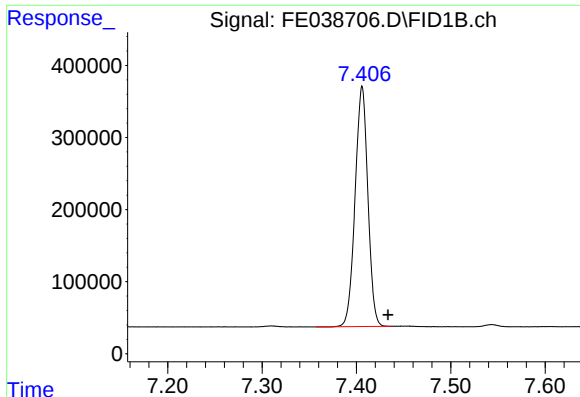
#3 A~Naphthalene (C11.7)

R.T.: 6.312 min
Delta R.T.: -0.028 min
Response: 3203140
Conc: 18.91 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.770 min
Delta R.T.: -0.028 min
Response: 2988329
Conc: 19.13 ug/ml



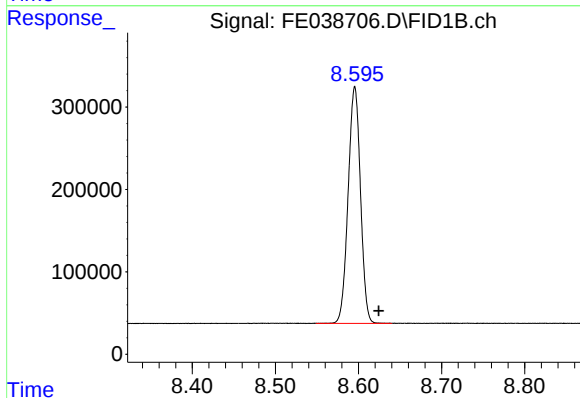
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.406 min
Delta R.T.: -0.027 min
Response: 3131920
Conc: 18.69 ug/ml

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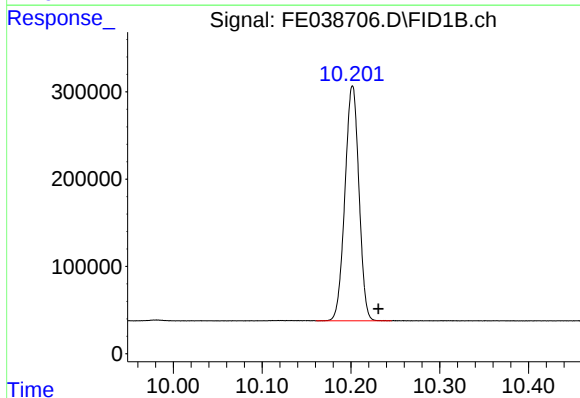
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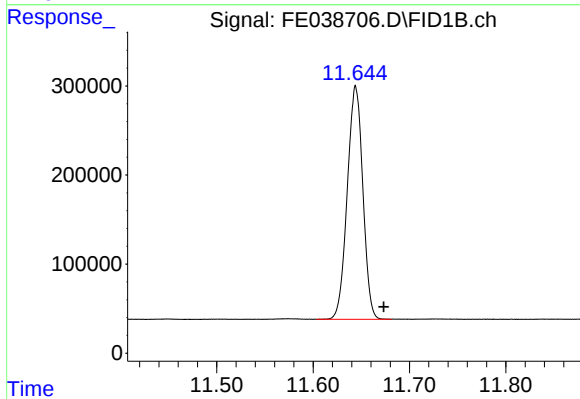
#6 n-Tetradecane (C14)

R.T.: 8.596 min
Delta R.T.: -0.029 min
Response: 2964702
Conc: 18.96 ug/ml



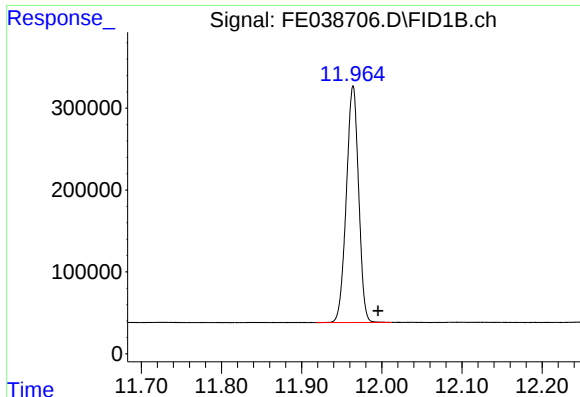
#7 n-Hexadecane (C16)

R.T.: 10.202 min
Delta R.T.: -0.029 min
Response: 2949612
Conc: 18.67 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.644 min
Delta R.T.: -0.029 min
Response: 2924936
Conc: 18.26 ug/ml



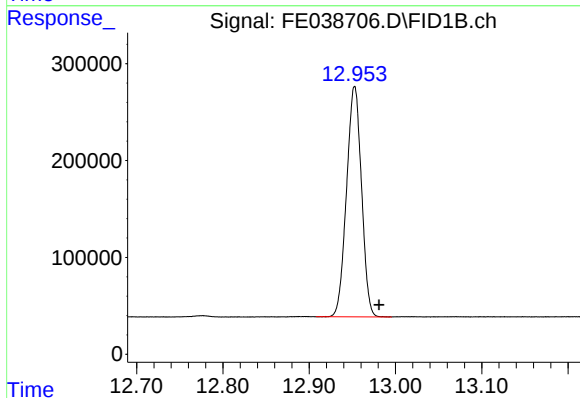
#9 ortho-Terphenyl (SURR)

R.T.: 11.964 min
Delta R.T.: -0.031 min
Response: 3074608
Conc: 17.87 ug/ml

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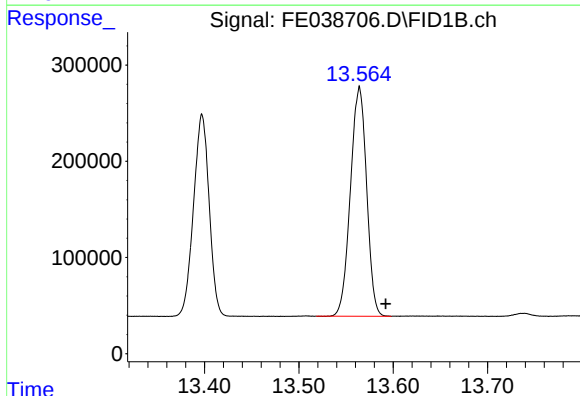
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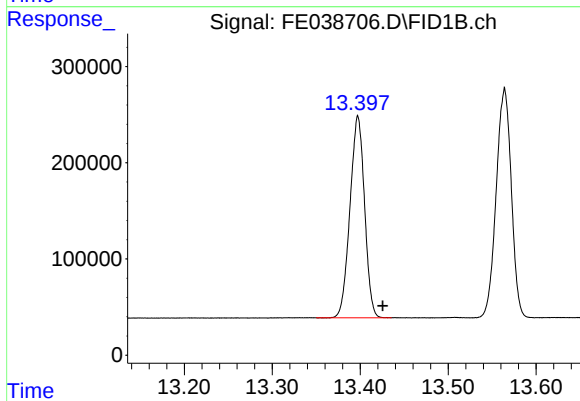
#10 n-Eicosane (C20)

R.T.: 12.953 min
Delta R.T.: -0.028 min
Response: 2867116
Conc: 17.79 ug/ml



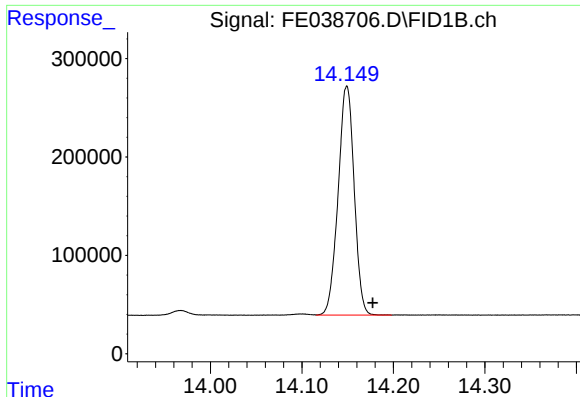
#11 n-Heneicosane (C21)

R.T.: 13.564 min
Delta R.T.: -0.028 min
Response: 2843910
Conc: 17.61 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.397 min
Delta R.T.: -0.028 min
Response: 2417272
Conc: 17.66 ug/ml



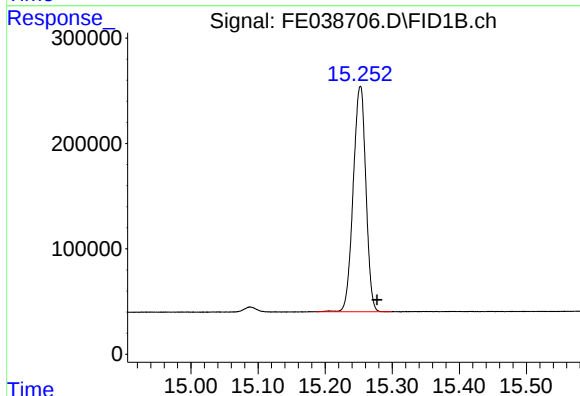
#13 n-Docosane (C22)

R.T.: 14.149 min
Delta R.T.: -0.028 min
Response: 2837243
Conc: 17.57 ug/ml

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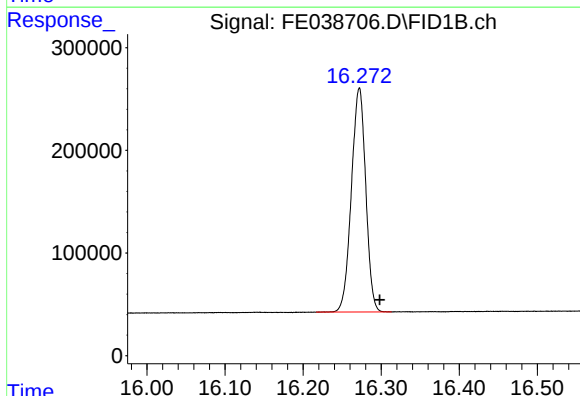
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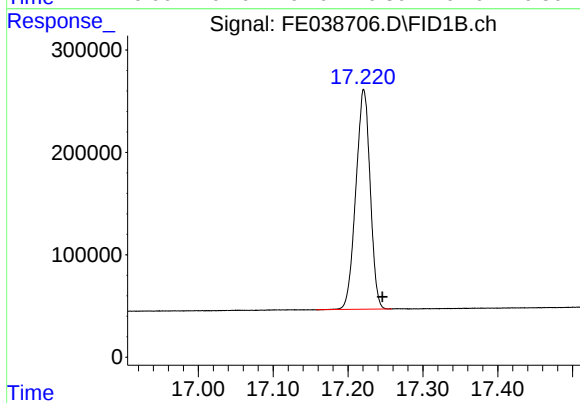
#14 n-Tetracosane (C24)

R.T.: 15.253 min
Delta R.T.: -0.025 min
Response: 2807455
Conc: 17.50 ug/ml



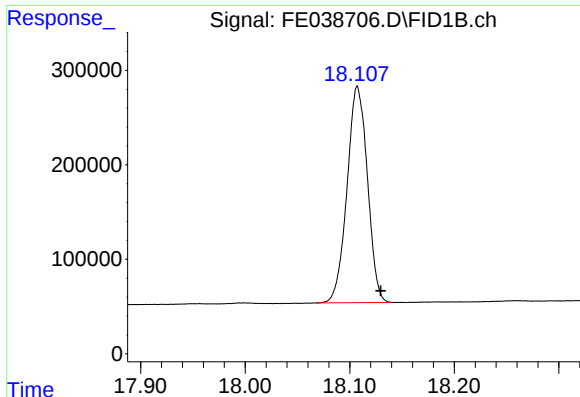
#15 n-Hexacosane (C26)

R.T.: 16.272 min
Delta R.T.: -0.026 min
Response: 2782171
Conc: 17.52 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.221 min
Delta R.T.: -0.025 min
Response: 2853424
Conc: 18.19 ug/ml



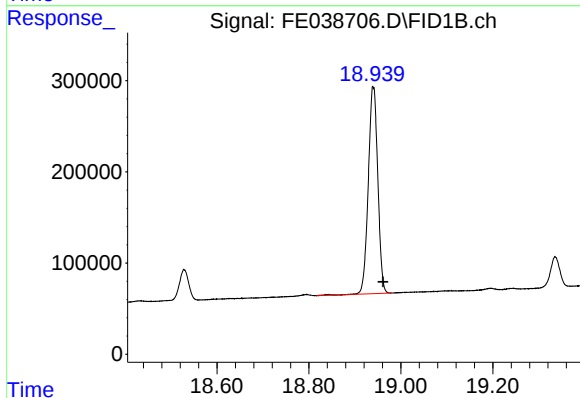
#17 n-Tricontane (C30)

R.T.: 18.107 min
Delta R.T.: -0.023 min
Response: 3106985
Conc: 19.47 ug/ml

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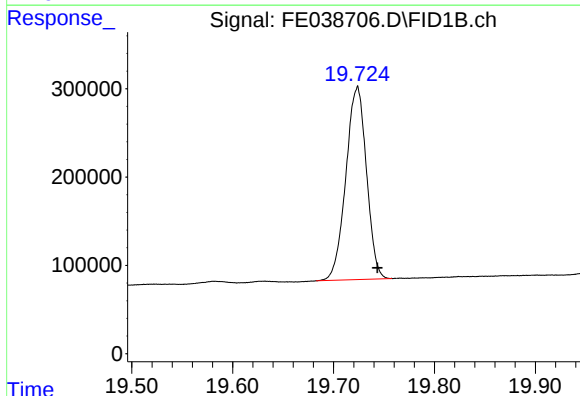
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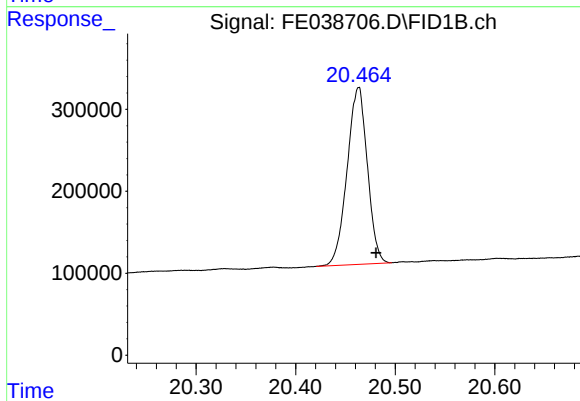
#18 n-Dotriacontane (C32)

R.T.: 18.940 min
Delta R.T.: -0.021 min
Response: 3264714
Conc: 20.71 ug/ml



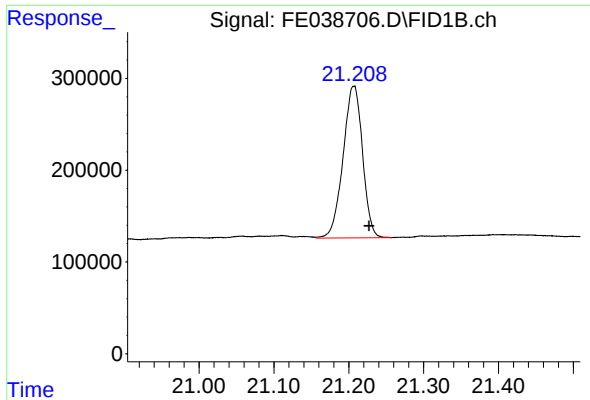
#19 n-Tetratriacontane (C34)

R.T.: 19.724 min
Delta R.T.: -0.020 min
Response: 3100320
Conc: 21.03 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.463 min
Delta R.T.: -0.017 min
Response: 3054444
Conc: 21.38 ug/ml



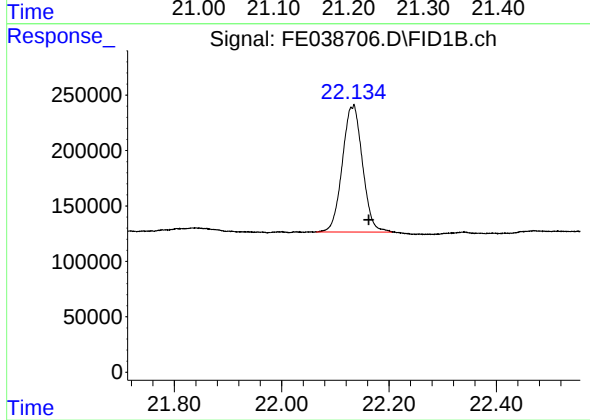
#21 n-Octatriacontane (C38)

R.T.: 21.207 min
Delta R.T.: -0.020 min
Response: 2987880
Conc: 22.12 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.134 min
Delta R.T.: -0.028 min
Response: 2973856
Conc: 23.56 ug/ml m