

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111722AL\
 Data File : FE038822.D
 Signal(s) : FID1B.ch
 Acq On : 17 Nov 2022 22:49
 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 11/18/2022
 Supervised By :Ankita Jodhani 11/18/2022

Integration File: autoint1.e
 Quant Time: Nov 18 04:43:15 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)	11.958	3300994	19.184 ug/ml
Spiked Amount 50.000		Recovery =	38.37%
12) S 1-chlorooctadecane (S...	13.392	2565578	18.740 ug/ml
Spiked Amount 50.000		Recovery =	37.48%
Target Compounds			
1) T n-Nonane (C9)	3.352	3123014	20.278 ug/ml
2) T n-Decane (C10)	4.602	3147916	20.280 ug/ml
3) T A~Naphthalene (C11.7)	6.305	3434079	20.278 ug/ml
4) T n-Dodecane (C12)	6.765	3172283	20.307 ug/ml
5) T A~2-methylnaphthalene...	7.400	3338234	19.920 ug/ml
6) T n-Tetradecane (C14)	8.591	3158005	20.193 ug/ml
7) T n-Hexadecane (C16)	10.197	3165443	20.036 ug/ml
8) T n-Octadecane (C18)	11.639	3152102	19.679 ug/ml
10) T n-Eicosane (C20)	12.948	3090901	19.183 ug/ml
11) T n-Heneicosane (C21)	13.559	3059447	18.940 ug/ml
13) T n-Docosane (C22)	14.145	3023637	18.729 ug/ml
14) T n-Tetracosane (C24)	15.248	2949201	18.387 ug/ml
15) T n-Hexacosane (C26)	16.268	2891162	18.202 ug/ml
16) T n-Octacosane (C28)	17.218	2841071	18.109 ug/ml
17) T n-Tricontane (C30)	18.104	2875609	18.022 ug/mlm
18) T n-Dotriacontane (C32)	18.938	2943304	18.667 ug/ml
19) T n-Tetratriacontane (C34)	19.722	2919645	19.804 ug/mlm
20) T n-Hexatriacontane (C36)	20.462	3095838	21.667 ug/ml
21) T n-Octatriacontane (C38)	21.205	3170227	23.472 ug/mlm
22) T n-Tetracontane (C40)	22.127	3247263	25.725 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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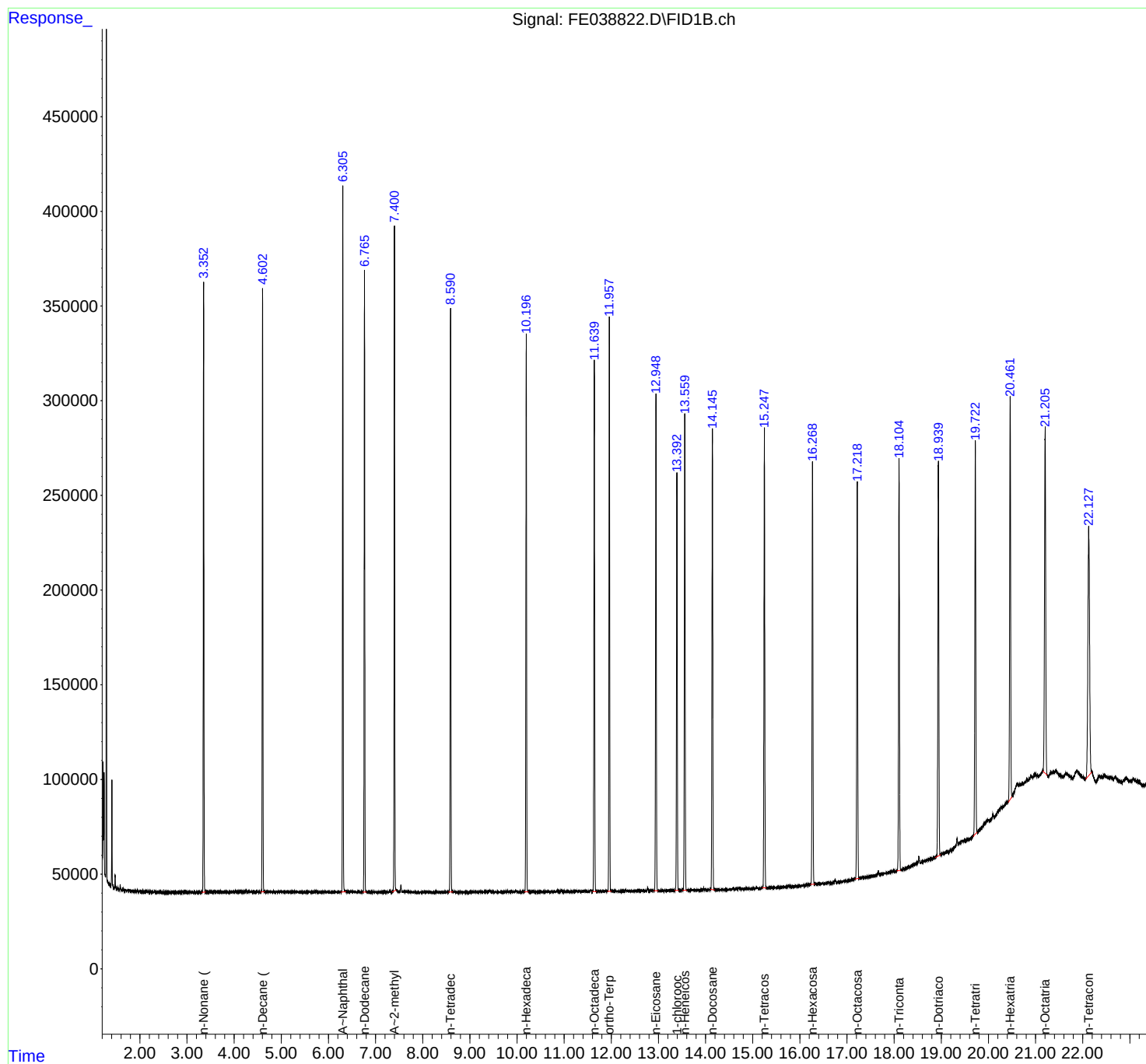
Instrument :
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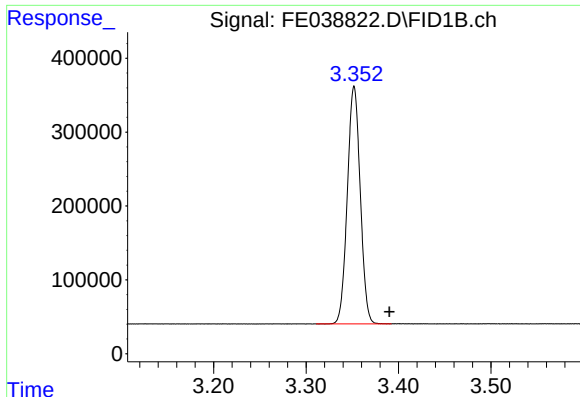
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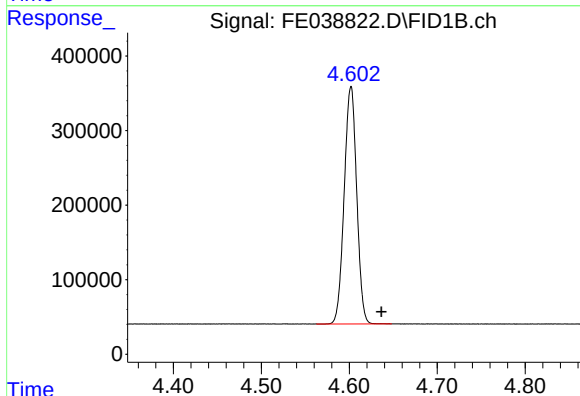
#1 n-Nonane (C9)

R.T.: 3.352 min
Delta R.T.: -0.038 min
Response: 3123014
Conc: 20.28 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

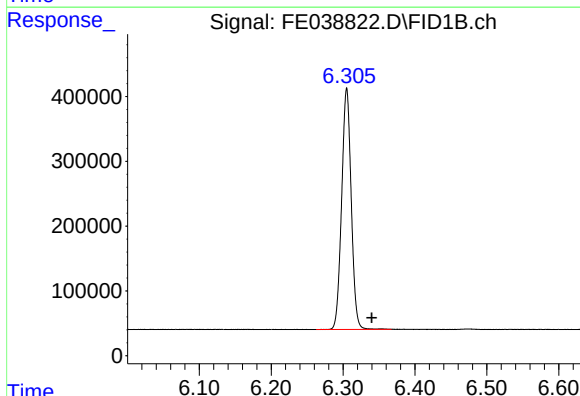
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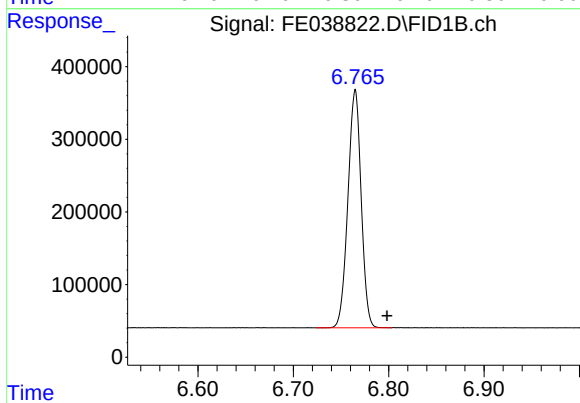
#2 n-Decane (C10)

R.T.: 4.602 min
Delta R.T.: -0.035 min
Response: 3147916
Conc: 20.28 ug/ml



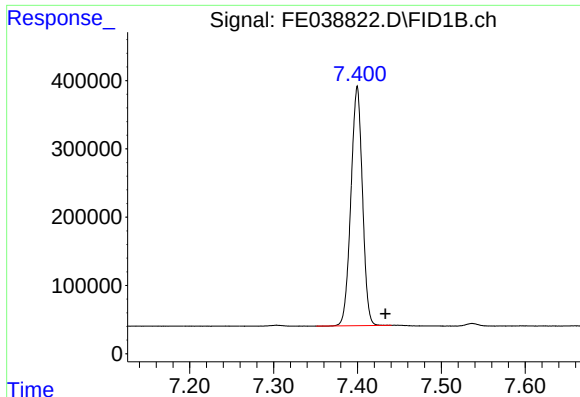
#3 A~Naphthalene (C11.7)

R.T.: 6.305 min
Delta R.T.: -0.035 min
Response: 3434079
Conc: 20.28 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.765 min
Delta R.T.: -0.033 min
Response: 3172283
Conc: 20.31 ug/ml



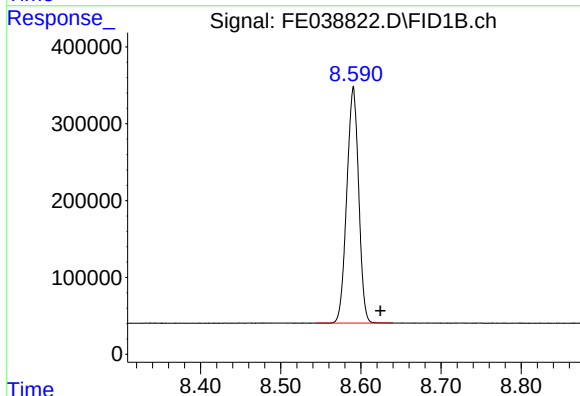
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.400 min
Delta R.T.: -0.034 min
Response: 3338234
Conc: 19.92 ug/ml

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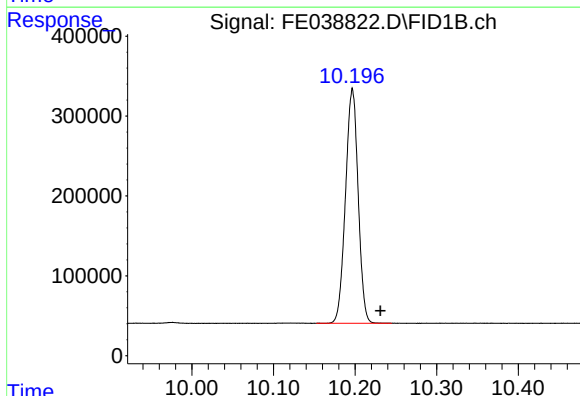
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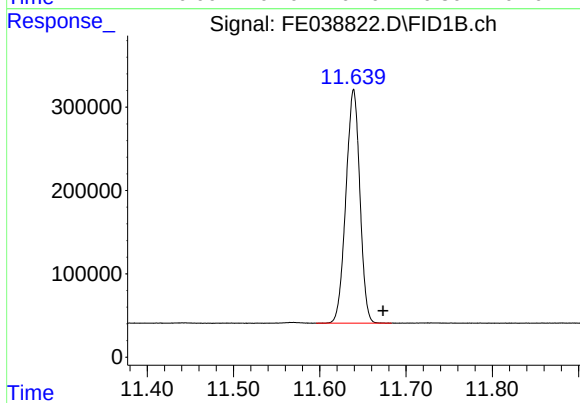
#6 n-Tetradecane (C14)

R.T.: 8.591 min
Delta R.T.: -0.034 min
Response: 3158005
Conc: 20.19 ug/ml



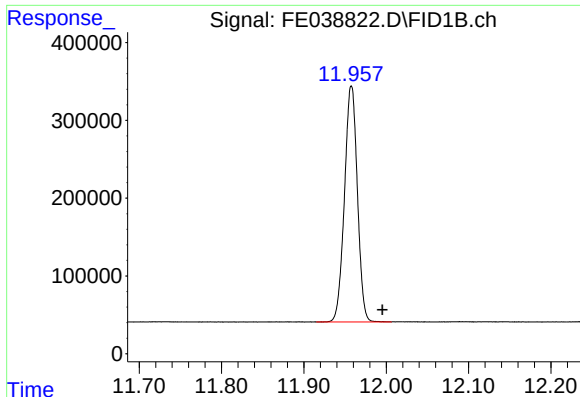
#7 n-Hexadecane (C16)

R.T.: 10.197 min
Delta R.T.: -0.034 min
Response: 3165443
Conc: 20.04 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.639 min
Delta R.T.: -0.034 min
Response: 3152102
Conc: 19.68 ug/ml



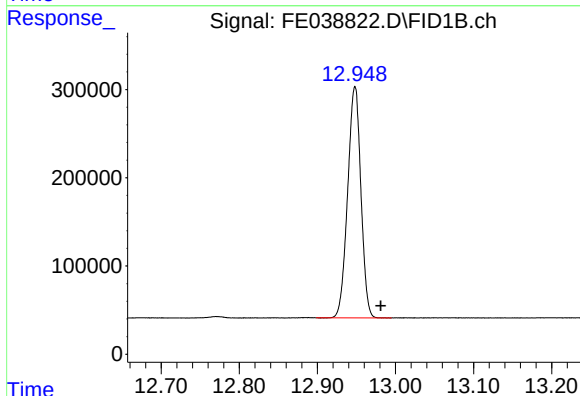
#9 ortho-Terphenyl (SURR)

R.T.: 11.958 min
Delta R.T.: -0.038 min
Response: 3300994
Conc: 19.18 ug/ml

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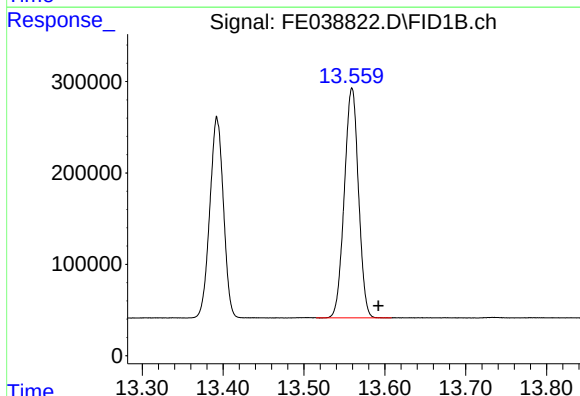
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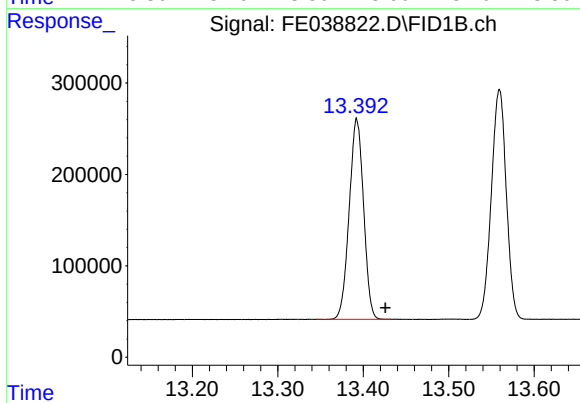
#10 n-Eicosane (C20)

R.T.: 12.948 min
Delta R.T.: -0.033 min
Response: 3090901
Conc: 19.18 ug/ml



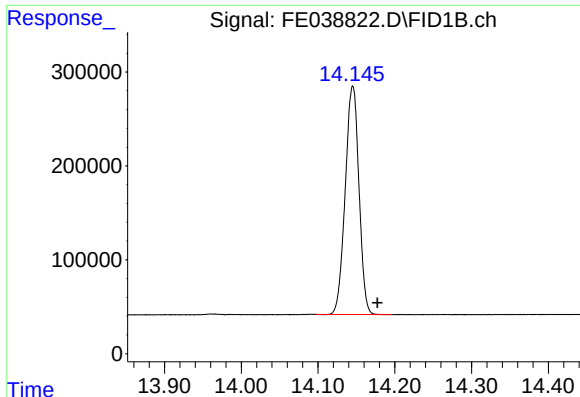
#11 n-Heneicosane (C21)

R.T.: 13.559 min
Delta R.T.: -0.033 min
Response: 3059447
Conc: 18.94 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.392 min
Delta R.T.: -0.033 min
Response: 2565578
Conc: 18.74 ug/ml



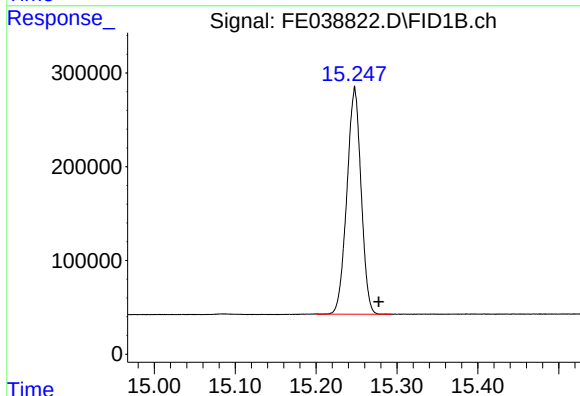
#13 n-Docosane (C22)

R.T.: 14.145 min
Delta R.T.: -0.032 min
Response: 3023637
Conc: 18.73 ug/ml

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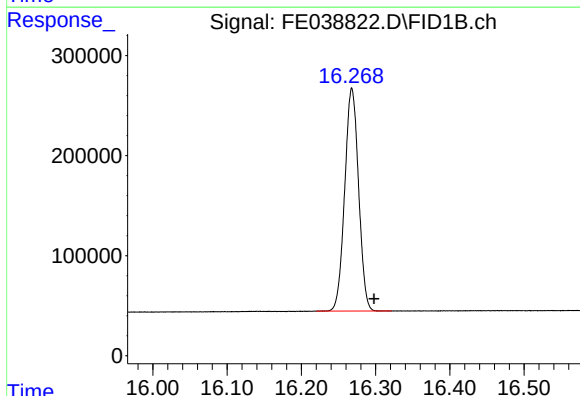
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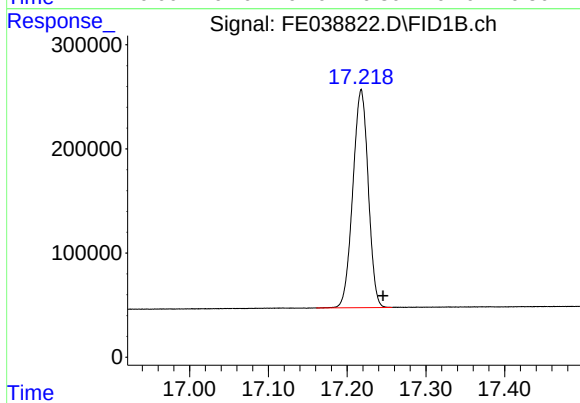
#14 n-Tetracosane (C24)

R.T.: 15.248 min
Delta R.T.: -0.030 min
Response: 2949201
Conc: 18.39 ug/ml



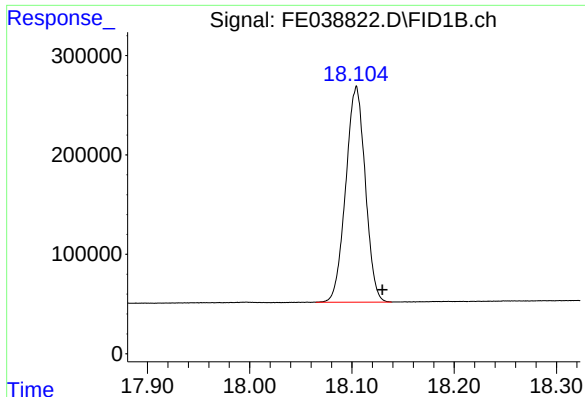
#15 n-Hexacosane (C26)

R.T.: 16.268 min
Delta R.T.: -0.030 min
Response: 2891162
Conc: 18.20 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.218 min
Delta R.T.: -0.028 min
Response: 2841071
Conc: 18.11 ug/ml



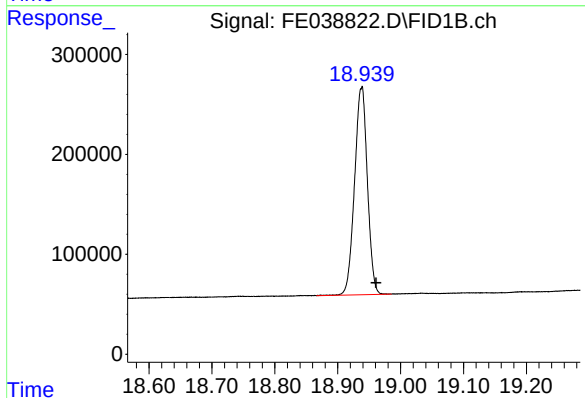
#17 n-Tricontane (C30)

R.T.: 18.104 min
Delta R.T.: -0.026 min
Response: 2875609
Conc: 18.02 ug/ml

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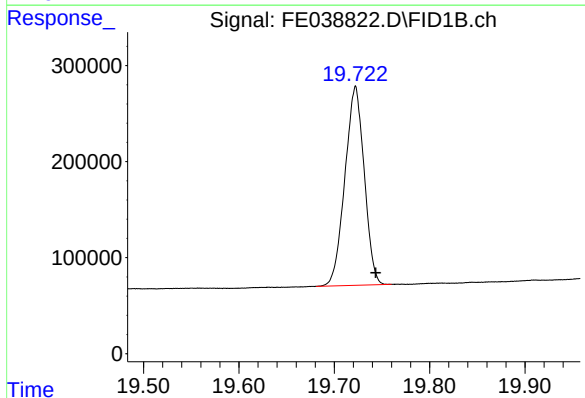
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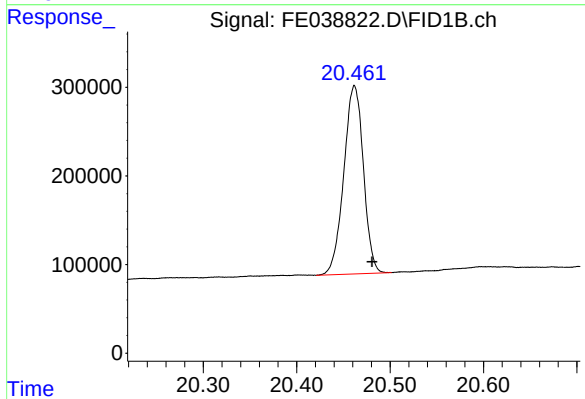
#18 n-Dotriacontane (C32)

R.T.: 18.938 min
Delta R.T.: -0.023 min
Response: 2943304
Conc: 18.67 ug/ml



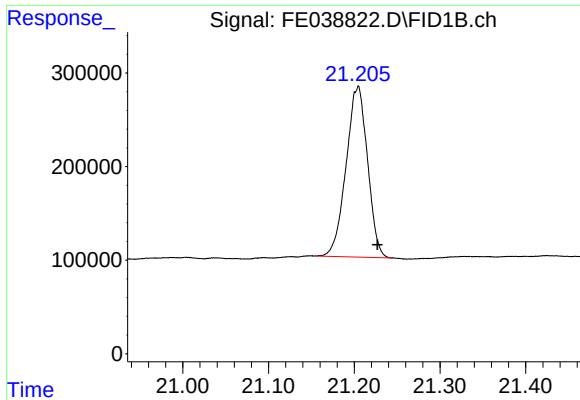
#19 n-Tetratriacontane (C34)

R.T.: 19.722 min
Delta R.T.: -0.021 min
Response: 2919645
Conc: 19.80 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.462 min
Delta R.T.: -0.019 min
Response: 3095838
Conc: 21.67 ug/ml



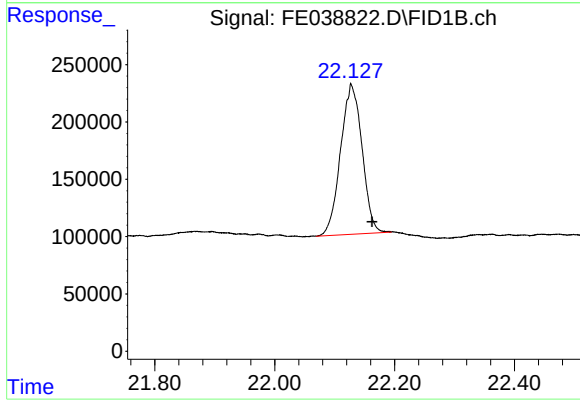
#21 n-Octatriacontane (C38)

R.T.: 21.205 min
Delta R.T.: -0.022 min
Response: 3170227
Conc: 23.47 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.127 min
Delta R.T.: -0.036 min
Response: 3247263
Conc: 25.73 ug/ml m