

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE071123AL\
 Data File : FE043153.D
 Signal(s) : FID1B.ch
 Acq On : 11 Jul 2023 17:52
 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 07/12/2023
 Supervised By :Ankita Jodhani 07/12/2023

Integration File: sample.E
 Quant Time: Jul 12 03:09:11 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062123.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 21 11:03:59 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)	11.899	3683670	20.052 ug/ml
Spiked Amount 50.000		Recovery =	40.10%
12) S 1-chlorooctadecane (S...	13.338	2677916	19.677 ug/ml
Spiked Amount 50.000		Recovery =	39.35%
Target Compounds			
1) T n-Nonane (C9)	3.280	3135530	20.299 ug/ml
2) T n-Decane (C10)	4.532	3212887	20.340 ug/ml
3) T A~Naphthalene (C11.7)	6.241	3388386	20.011 ug/ml
4) T n-Dodecane (C12)	6.702	3239810	20.240 ug/ml
5) T A~2-methylnaphthalene...	7.338	3199307	19.732 ug/ml
6) T n-Tetradecane (C14)	8.531	3224671	20.262 ug/ml
7) T n-Hexadecane (C16)	10.139	3303909	20.060 ug/ml
8) T n-Octadecane (C18)	11.581	3341633	20.104 ug/mlm
10) T n-Eicosane (C20)	12.892	3180973	20.046 ug/ml
11) T n-Heneicosane (C21)	13.503	3109499	20.098 ug/ml
13) T n-Docosane (C22)	14.089	3059514	20.085 ug/ml
14) T n-Tetracosane (C24)	15.192	2983285	20.107 ug/ml
15) T n-Hexacosane (C26)	16.213	2881049	20.153 ug/ml
16) T n-Octacosane (C28)	17.162	2790610	20.120 ug/ml
17) T n-Tricontane (C30)	18.051	2833510	20.035 ug/ml
18) T n-Dotriacontane (C32)	18.883	2802050	19.978 ug/ml
19) T n-Tetratriacontane (C34)	19.666	2747933	20.081 ug/ml
20) T n-Hexatriacontane (C36)	20.407	2651497	19.826 ug/ml
21) T n-Octatriacontane (C38)	21.144	2614410	19.176 ug/ml
22) T n-Tetracontane (C40)	22.056	2583276	18.568 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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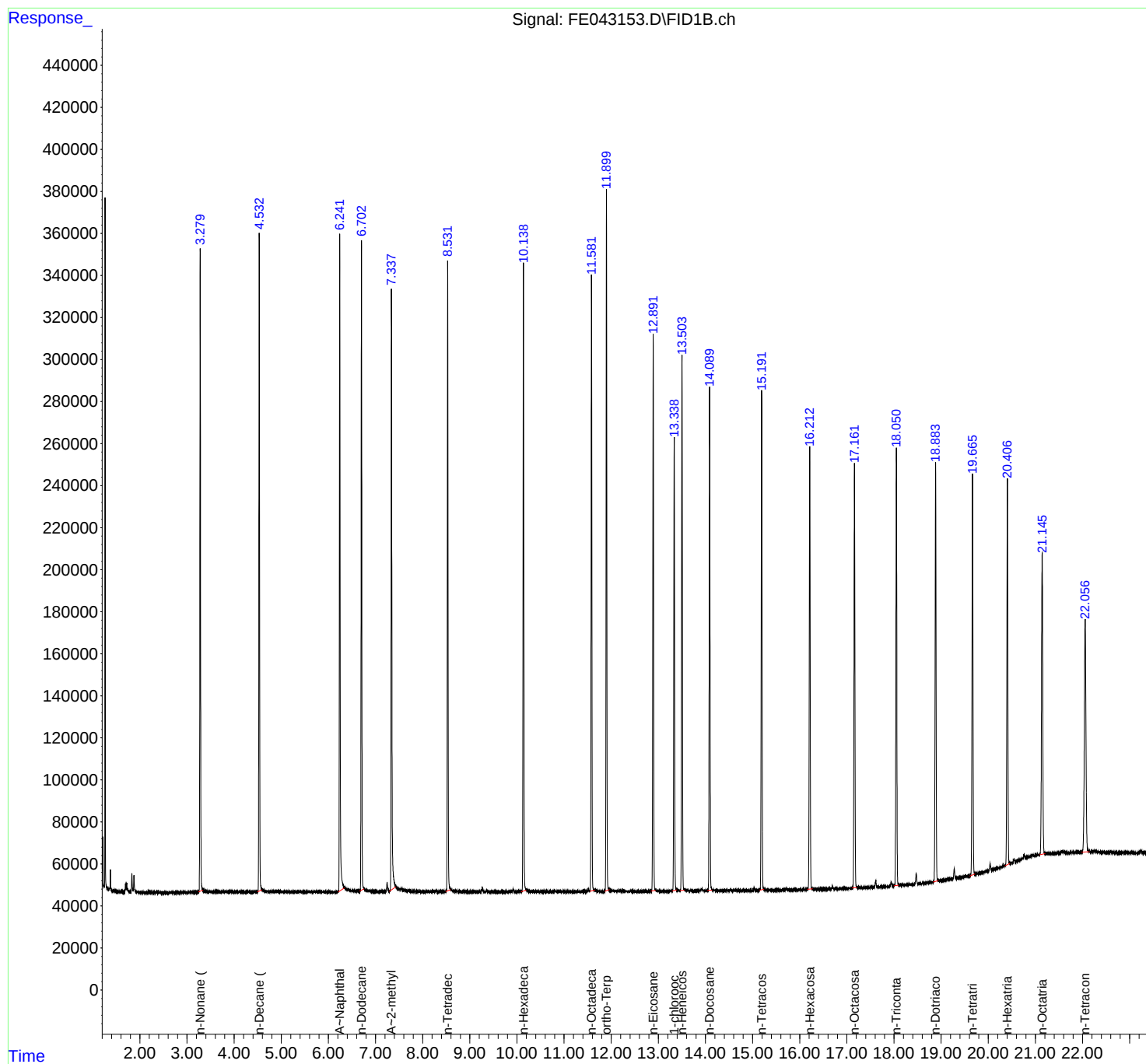
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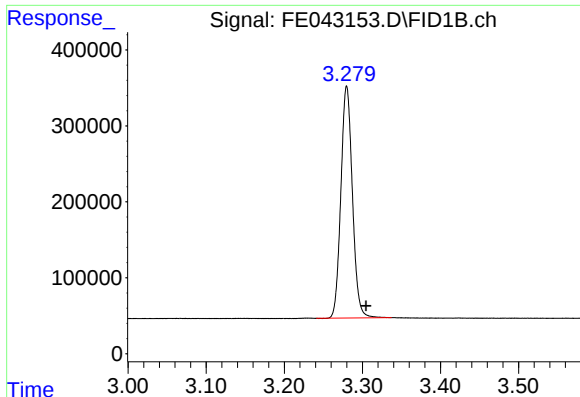
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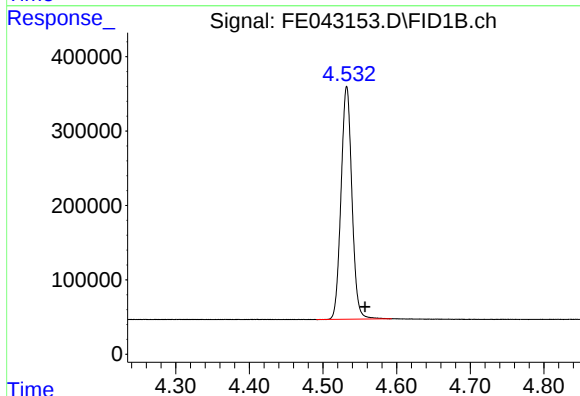
#1 n-Nonane (C9)

R.T.: 3.280 min
Delta R.T.: -0.025 min
Response: 3135530
Conc: 20.30 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

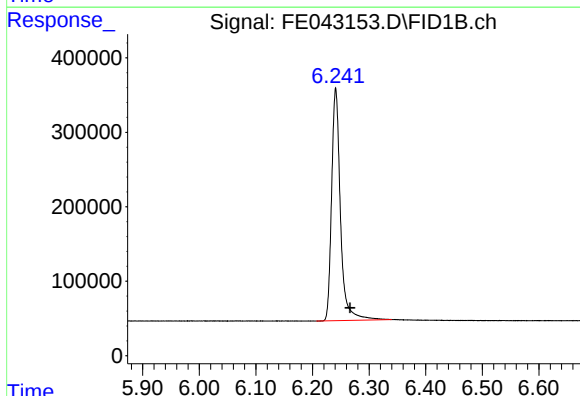
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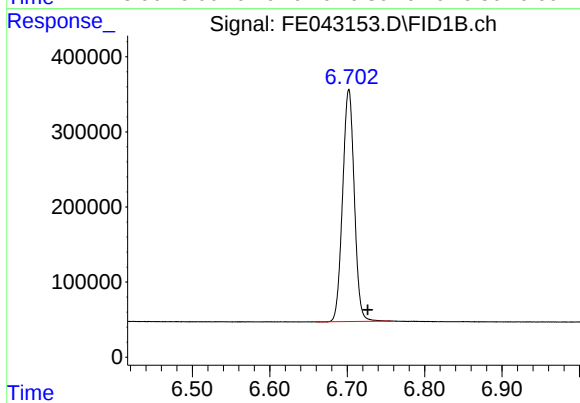
#2 n-Decane (C10)

R.T.: 4.532 min
Delta R.T.: -0.025 min
Response: 3212887
Conc: 20.34 ug/ml



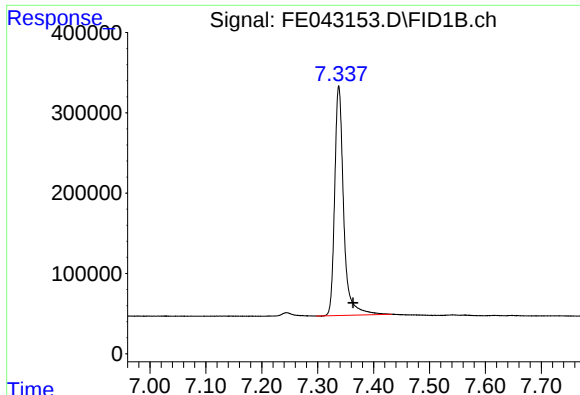
#3 A~Naphthalene (C11.7)

R.T.: 6.241 min
Delta R.T.: -0.025 min
Response: 3388386
Conc: 20.01 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.702 min
Delta R.T.: -0.024 min
Response: 3239810
Conc: 20.24 ug/ml



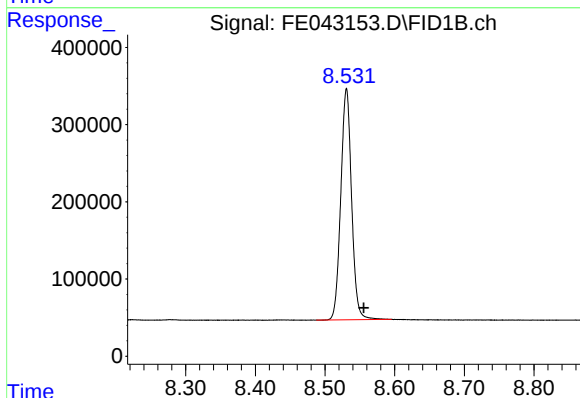
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.338 min
Delta R.T.: -0.026 min
Response: 3199307
Conc: 19.73 ug/ml

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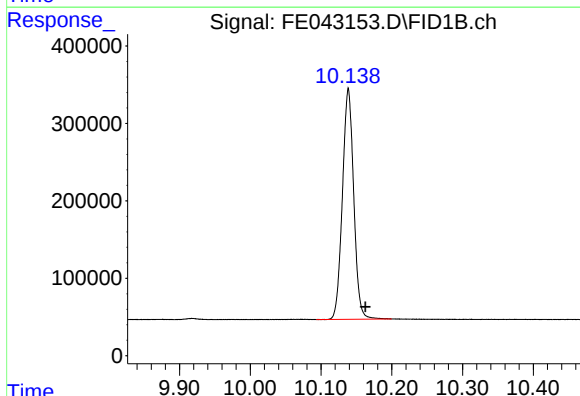
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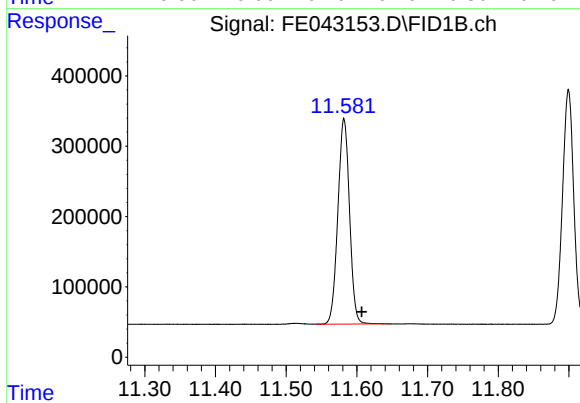
#6 n-Tetradecane (C14)

R.T.: 8.531 min
Delta R.T.: -0.025 min
Response: 3224671
Conc: 20.26 ug/ml



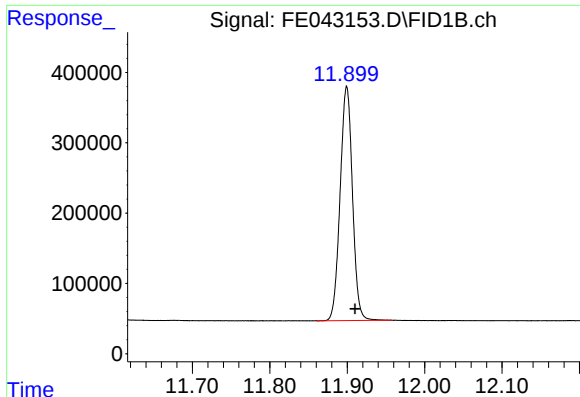
#7 n-Hexadecane (C16)

R.T.: 10.139 min
Delta R.T.: -0.024 min
Response: 3303909
Conc: 20.06 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.581 min
Delta R.T.: -0.026 min
Response: 3341633
Conc: 20.10 ug/ml m



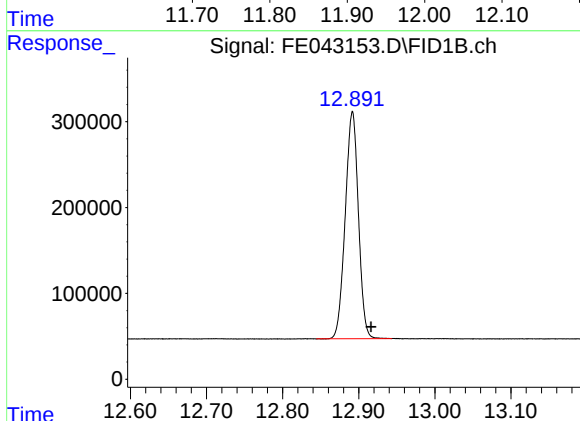
#9 ortho-Terphenyl (SURR)

R.T.: 11.899 min
Delta R.T.: -0.011 min
Response: 3683670
Conc: 20.05 ug/ml

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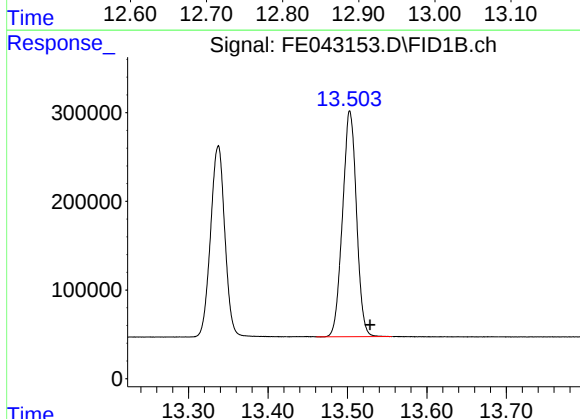
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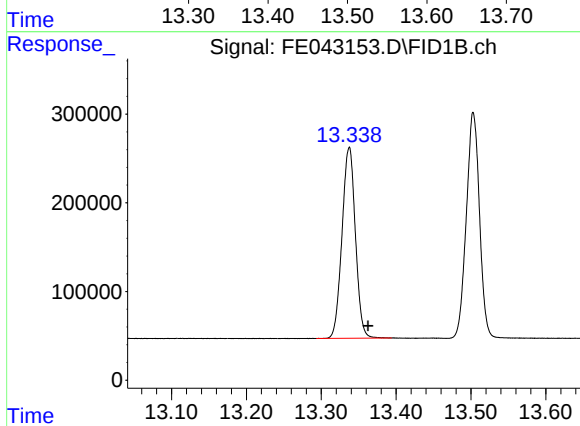
#10 n-Eicosane (C20)

R.T.: 12.892 min
Delta R.T.: -0.024 min
Response: 3180973
Conc: 20.05 ug/ml



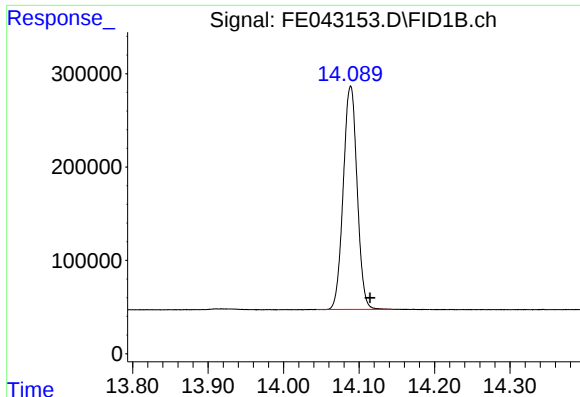
#11 n-Heneicosane (C21)

R.T.: 13.503 min
Delta R.T.: -0.025 min
Response: 3109499
Conc: 20.10 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.338 min
Delta R.T.: -0.025 min
Response: 2677916
Conc: 19.68 ug/ml



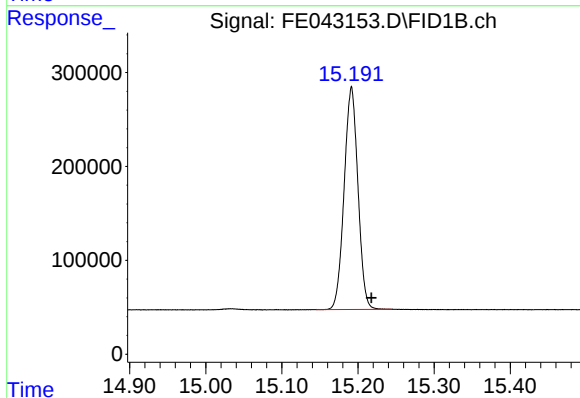
#13 n-Docosane (C22)

R.T.: 14.089 min
Delta R.T.: -0.026 min
Response: 3059514
Conc: 20.08 ug/ml

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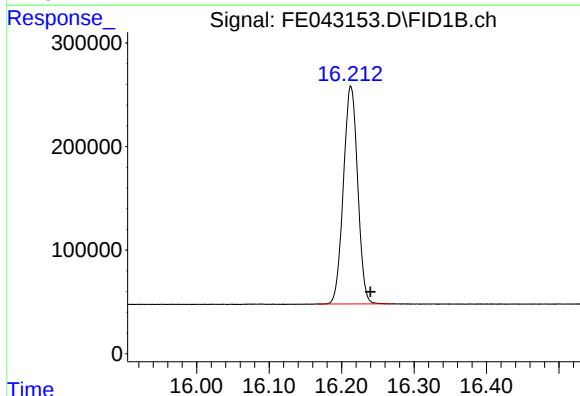
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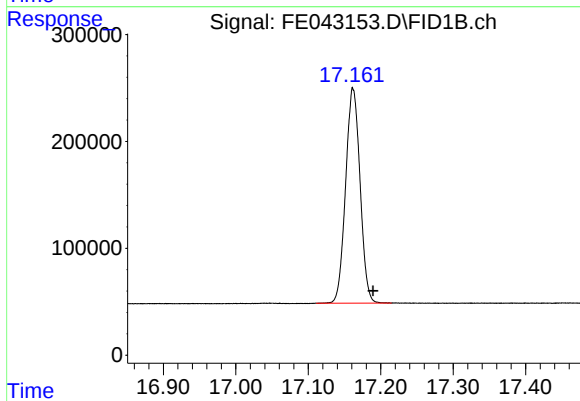
#14 n-Tetracosane (C24)

R.T.: 15.192 min
Delta R.T.: -0.026 min
Response: 2983285
Conc: 20.11 ug/ml



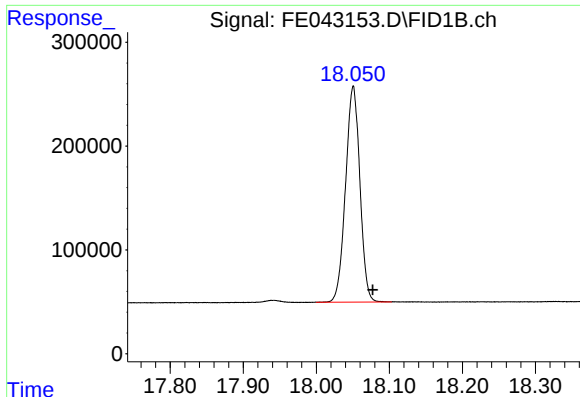
#15 n-Hexacosane (C26)

R.T.: 16.213 min
Delta R.T.: -0.027 min
Response: 2881049
Conc: 20.15 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.162 min
Delta R.T.: -0.028 min
Response: 2790610
Conc: 20.12 ug/ml



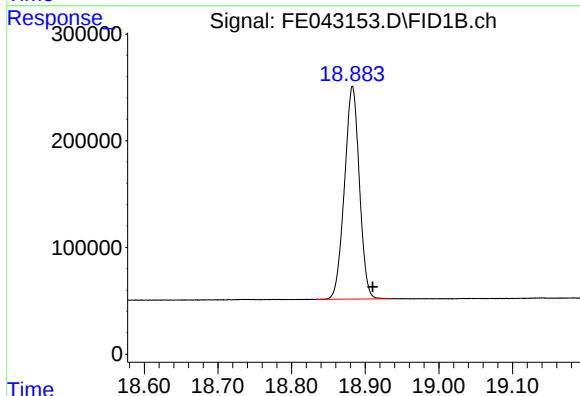
#17 n-Tricontane (C30)

R.T.: 18.051 min
Delta R.T.: -0.027 min
Response: 2833510
Conc: 20.03 ug/ml

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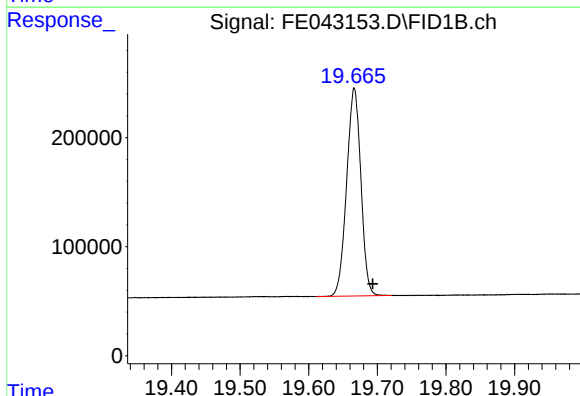
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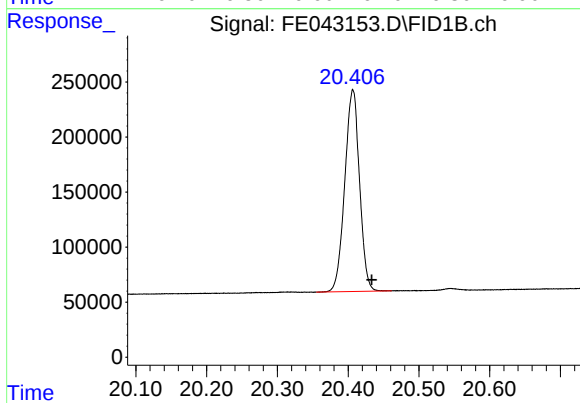
#18 n-Dotriacontane (C32)

R.T.: 18.883 min
Delta R.T.: -0.027 min
Response: 2802050
Conc: 19.98 ug/ml



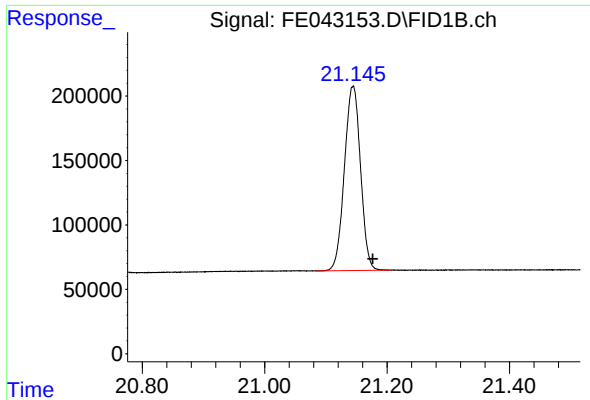
#19 n-Tetratriacontane (C34)

R.T.: 19.666 min
Delta R.T.: -0.027 min
Response: 2747933
Conc: 20.08 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.407 min
Delta R.T.: -0.026 min
Response: 2651497
Conc: 19.83 ug/ml



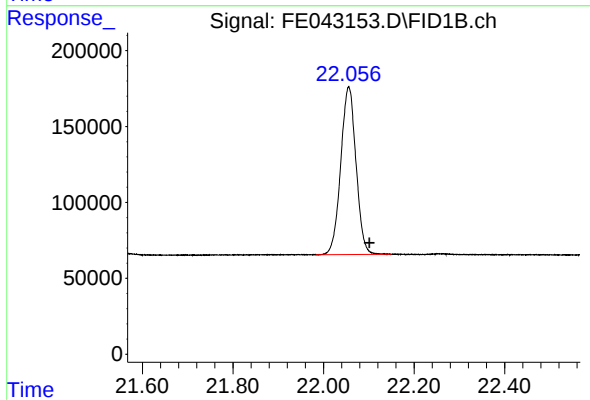
#21 n-Octatriacontane (C38)

R.T.: 21.144 min
Delta R.T.: -0.032 min
Response: 2614410
Conc: 19.18 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.056 min
Delta R.T.: -0.046 min
Response: 2583276
Conc: 18.57 ug/ml