

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE011923AL\
 Data File : FE039901.D
 Signal(s) : FID1B.ch
 Acq On : 19 Jan 2023 11:56
 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 01/20/2023
 Supervised By :Ankita Jodhani 01/20/2023

Integration File: autoint1.e
 Quant Time: Jan 20 00:57:22 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 011023.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 10 04:24:52 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)	11.910	2725614	17.749 ug/ml
Spiked Amount 50.000		Recovery =	35.50%
12) S 1-chlorooctadecane (S...	13.347	2093854	17.943 ug/ml
Spiked Amount 50.000		Recovery =	35.89%
Target Compounds			
1) T n-Nonane (C9)	3.305	2254120	17.758 ug/ml
2) T n-Decane (C10)	4.555	2227541	17.937 ug/ml
3) T A~Naphthalene (C11.7)	6.258	2510701	17.803 ug/ml
4) T n-Dodecane (C12)	6.719	2264134	18.008 ug/ml
5) T A~2-methylnaphthalene...	7.352	2357385	17.998 ug/ml
6) T n-Tetradecane (C14)	8.545	2328066	18.101 ug/ml
7) T n-Hexadecane (C16)	10.152	2443280	18.111 ug/ml
8) T n-Octadecane (C18)	11.593	2521807	17.997 ug/ml
10) T n-Eicosane (C20)	12.903	2483200	17.923 ug/ml
11) T n-Heneicosane (C21)	13.514	2491024	17.852 ug/ml
13) T n-Docosane (C22)	14.101	2485871	17.909 ug/ml
14) T n-Tetracosane (C24)	15.204	2510580	18.235 ug/ml
15) T n-Hexacosane (C26)	16.224	2460636	18.437 ug/ml
16) T n-Octacosane (C28)	17.174	2506985	19.258 ug/ml
17) T n-Tricontane (C30)	18.063	2651519	20.792 ug/ml
18) T n-Dotriacontane (C32)	18.896	2723713	21.545 ug/ml
19) T n-Tetratriacontane (C34)	19.680	2559356	20.712 ug/ml
20) T n-Hexatriacontane (C36)	20.419	2375373	20.148 ug/ml
21) T n-Octatriacontane (C38)	21.154	2321052	19.420 ug/mlm
22) T n-Tetracontane (C40)	22.055	2354168	19.397 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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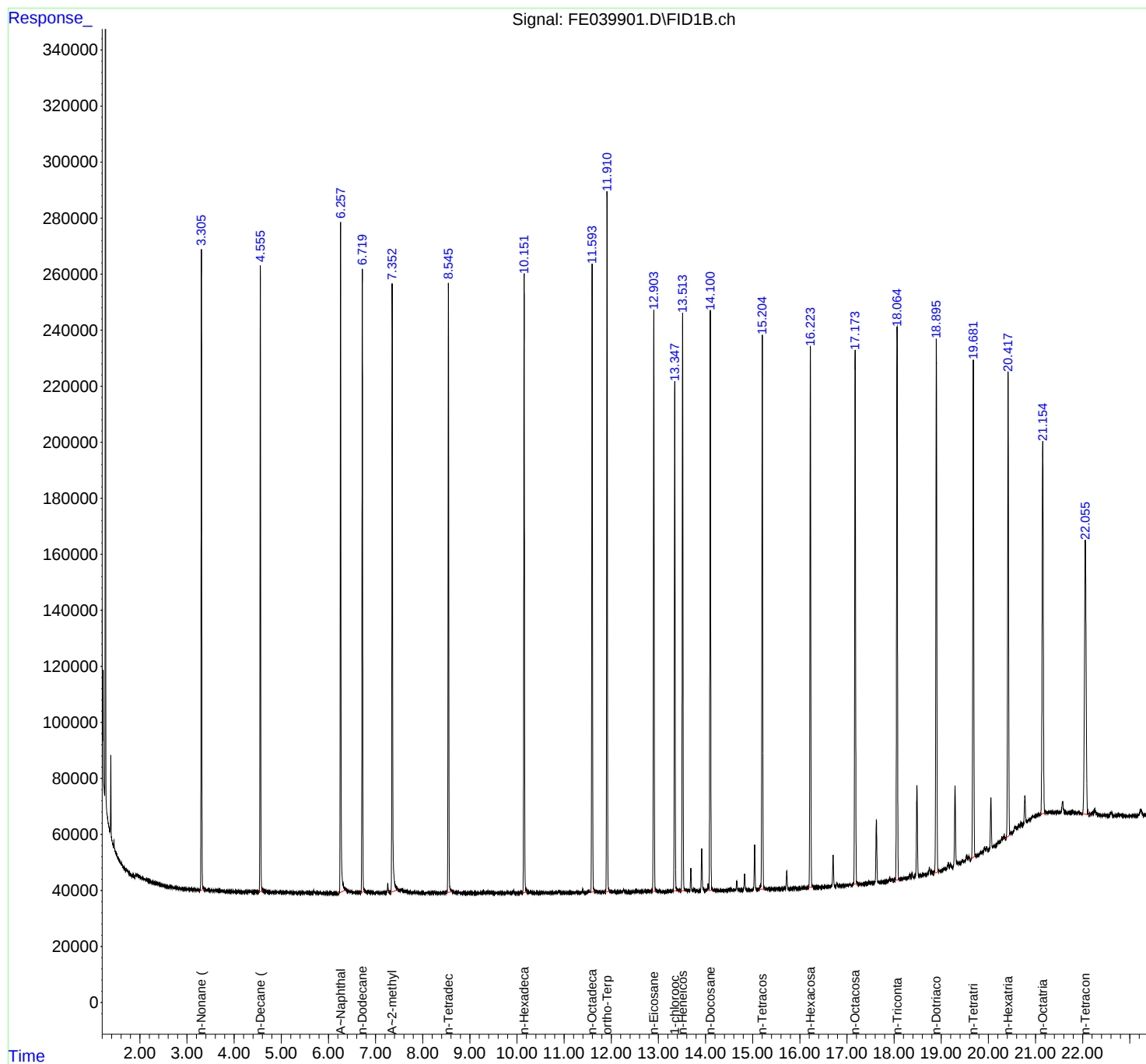
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20 PPM ALIPHATIC HC STD

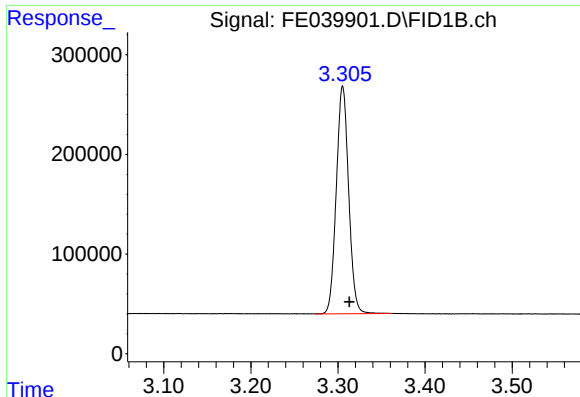
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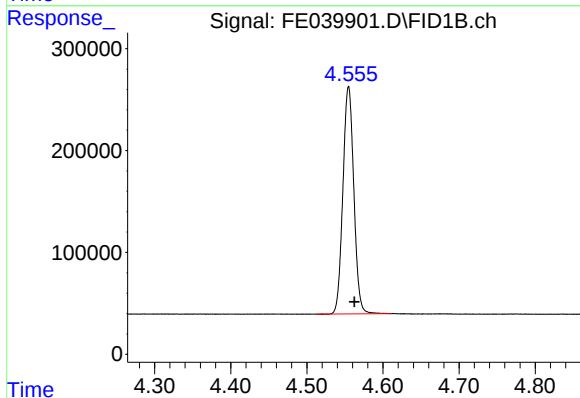
#1 n-Nonane (C9)

R.T.: 3.305 min
Delta R.T.: -0.008 min
Response: 2254120
Conc: 17.76 ug/ml

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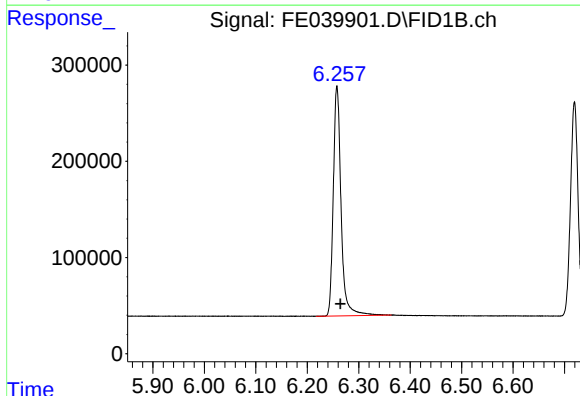
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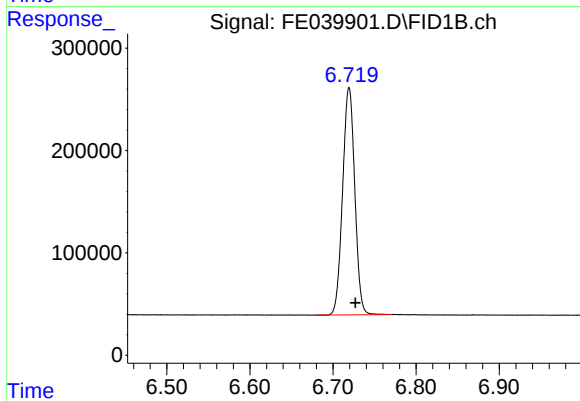
#2 n-Decane (C10)

R.T.: 4.555 min
Delta R.T.: -0.008 min
Response: 2227541
Conc: 17.94 ug/ml



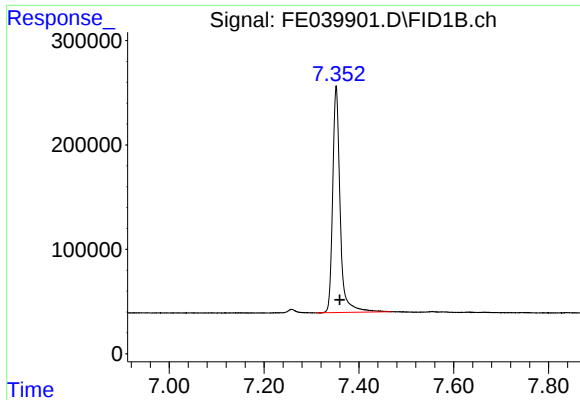
#3 A~Naphthalene (C11.7)

R.T.: 6.258 min
Delta R.T.: -0.007 min
Response: 2510701
Conc: 17.80 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.719 min
Delta R.T.: -0.007 min
Response: 2264134
Conc: 18.01 ug/ml



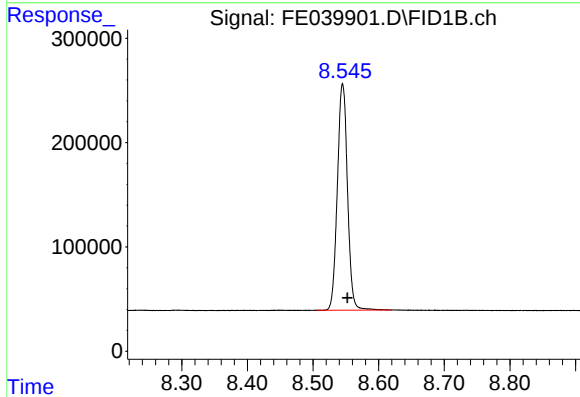
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.352 min
Delta R.T.: -0.007 min
Response: 2357385
Conc: 18.00 ug/ml

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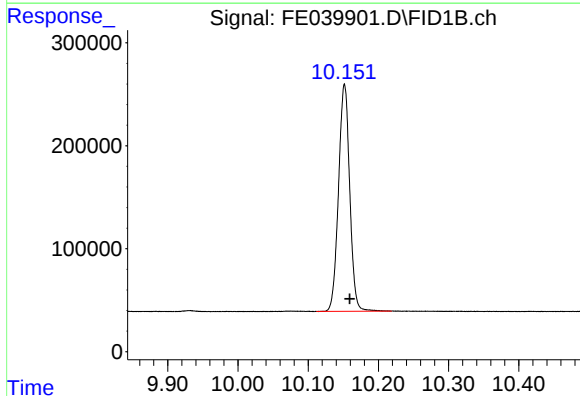
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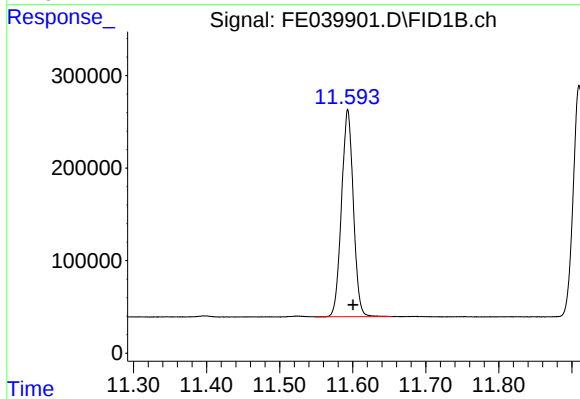
#6 n-Tetradecane (C14)

R.T.: 8.545 min
Delta R.T.: -0.007 min
Response: 2328066
Conc: 18.10 ug/ml



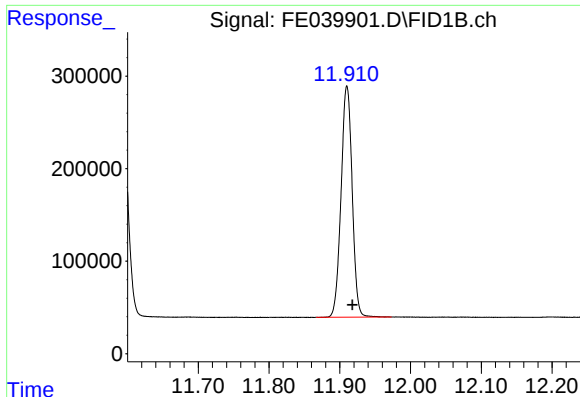
#7 n-Hexadecane (C16)

R.T.: 10.152 min
Delta R.T.: -0.007 min
Response: 2443280
Conc: 18.11 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.593 min
Delta R.T.: -0.007 min
Response: 2521807
Conc: 18.00 ug/ml



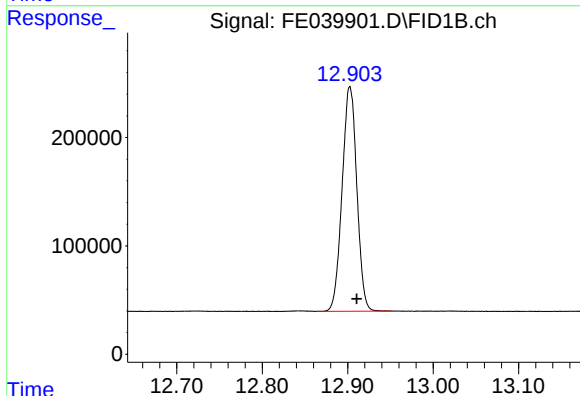
#9 ortho-Terphenyl (SURR)

R.T.: 11.910 min
Delta R.T.: -0.008 min
Response: 2725614
Conc: 17.75 ug/ml

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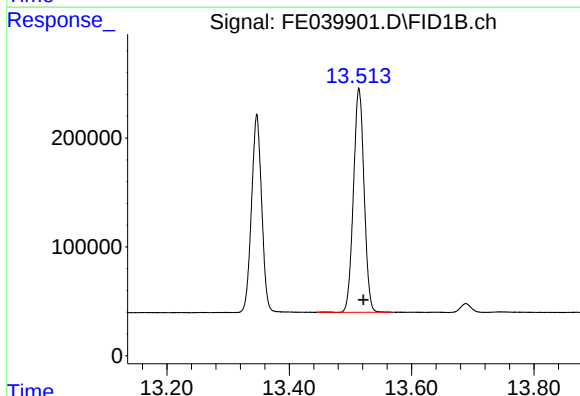
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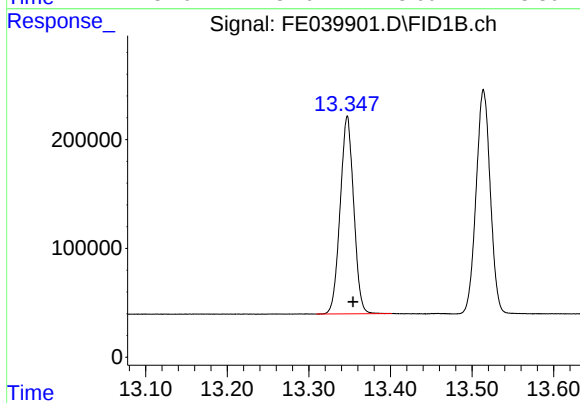
#10 n-Eicosane (C20)

R.T.: 12.903 min
Delta R.T.: -0.008 min
Response: 2483200
Conc: 17.92 ug/ml



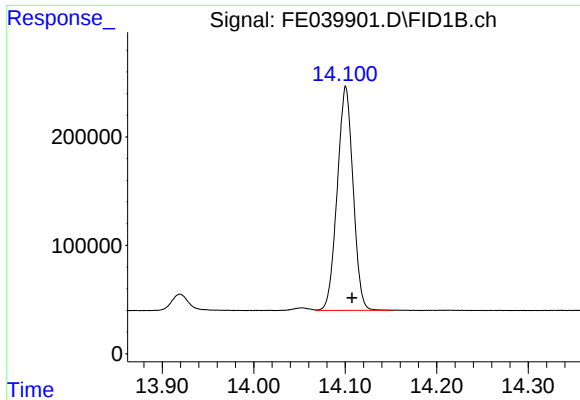
#11 n-Heneicosane (C21)

R.T.: 13.514 min
Delta R.T.: -0.007 min
Response: 2491024
Conc: 17.85 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.347 min
Delta R.T.: -0.007 min
Response: 2093854
Conc: 17.94 ug/ml



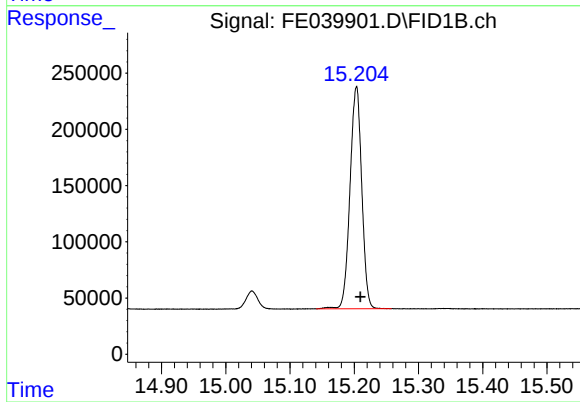
#13 n-Docosane (C22)

R.T.: 14.101 min
Delta R.T.: -0.007 min
Response: 2485871
Conc: 17.91 ug/ml

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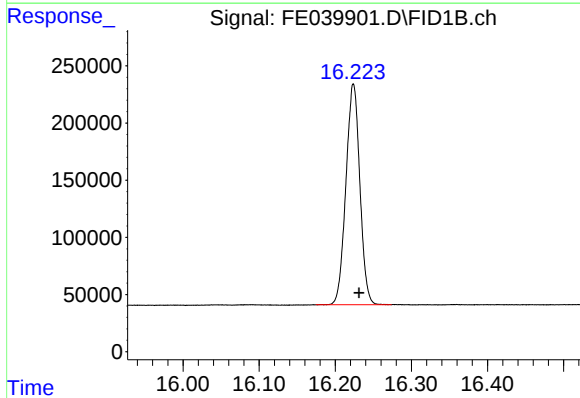
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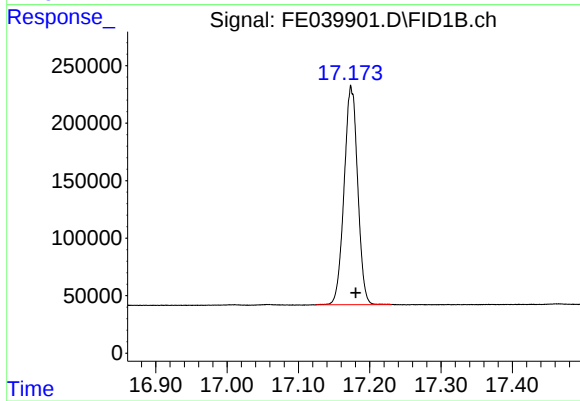
#14 n-Tetracosane (C24)

R.T.: 15.204 min
Delta R.T.: -0.006 min
Response: 2510580
Conc: 18.23 ug/ml



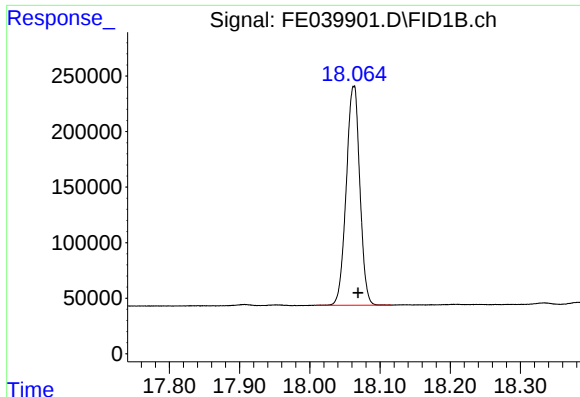
#15 n-Hexacosane (C26)

R.T.: 16.224 min
Delta R.T.: -0.007 min
Response: 2460636
Conc: 18.44 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.174 min
Delta R.T.: -0.006 min
Response: 2506985
Conc: 19.26 ug/ml



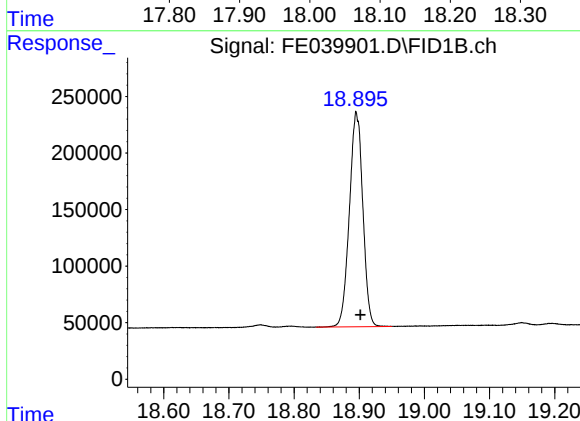
#17 n-Tricontane (C30)

R.T.: 18.063 min
Delta R.T.: -0.006 min
Response: 2651519
Conc: 20.79 ug/ml

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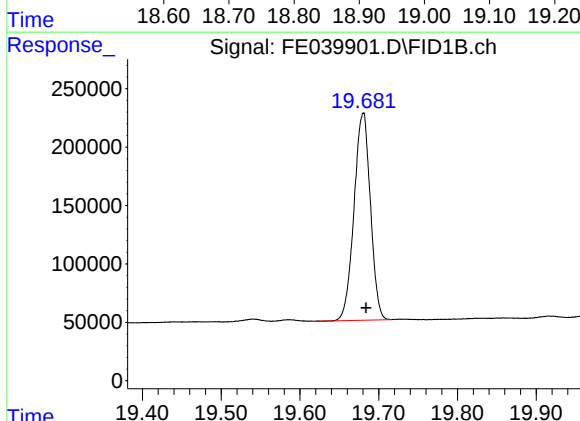
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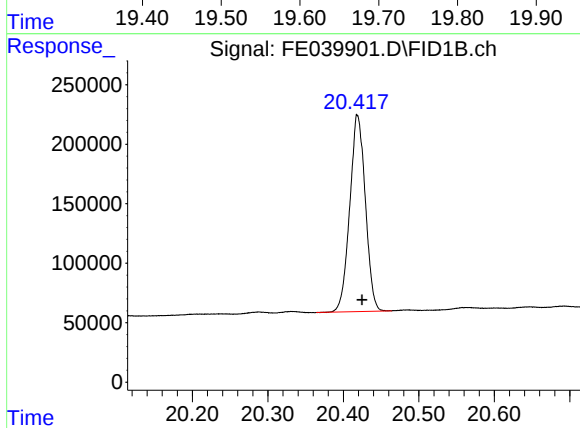
#18 n-Dotriacontane (C32)

R.T.: 18.896 min
Delta R.T.: -0.006 min
Response: 2723713
Conc: 21.54 ug/ml



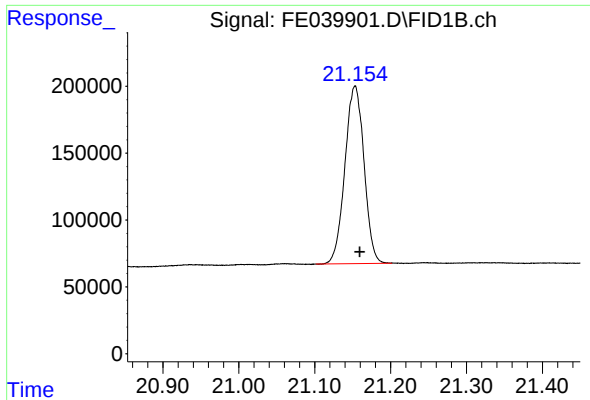
#19 n-Tetratriacontane (C34)

R.T.: 19.680 min
Delta R.T.: -0.003 min
Response: 2559356
Conc: 20.71 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.419 min
Delta R.T.: -0.006 min
Response: 2375373
Conc: 20.15 ug/ml



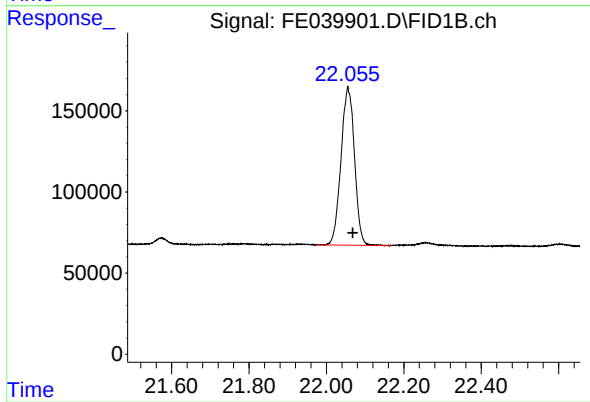
#21 n-Octatriacontane (C38)

R.T.: 21.154 min
Delta R.T.: -0.006 min
Response: 2321052
Conc: 19.42 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.055 min
Delta R.T.: -0.013 min
Response: 2354168
Conc: 19.40 ug/ml