

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE010923AL\
 Data File : FE039692.D
 Signal(s) : FID1B.ch
 Acq On : 09 Jan 2023 11:09
 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 01/10/2023
 Supervised By :Ankita Jodhani 01/10/2023

Integration File: autoint1.e
 Quant Time: Jan 09 17:52:04 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 121722.M
 Quant Title : GC Extractables
 QLast Update : Sat Dec 17 15:09:52 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)	11.920	2718122	18.214 ug/ml
Spiked Amount 50.000		Recovery =	36.43%
12) S 1-chlorooctadecane (S...	13.355	2056405	17.866 ug/ml
Spiked Amount 50.000		Recovery =	35.73%
Target Compounds			
1) T n-Nonane (C9)	3.314	2125604	16.445 ug/ml
2) T n-Decane (C10)	4.564	2153468	16.900 ug/ml
3) T A~Naphthalene (C11.7)	6.266	2439101	16.873 ug/ml
4) T n-Dodecane (C12)	6.728	2185959	16.838 ug/ml
5) T A~2-methylnaphthalene...	7.361	2296053	16.954 ug/ml
6) T n-Tetradecane (C14)	8.554	2261137	17.064 ug/ml
7) T n-Hexadecane (C16)	10.160	2393377	17.397 ug/ml
8) T n-Octadecane (C18)	11.602	2486704	17.754 ug/ml
10) T n-Eicosane (C20)	12.911	2459501	18.017 ug/ml
11) T n-Heneicosane (C21)	13.523	2472871	18.131 ug/mlm
13) T n-Docosane (C22)	14.110	2479026	18.326 ug/ml
14) T n-Tetracosane (C24)	15.211	2524200	18.804 ug/ml
15) T n-Hexacosane (C26)	16.233	2459140	18.886 ug/ml
16) T n-Octacosane (C28)	17.183	2547766	19.796 ug/ml
17) T n-Tricontane (C30)	18.070	2786803	21.645 ug/mlm
18) T n-Dotriacontane (C32)	18.904	2862341	22.103 ug/ml
19) T n-Tetratriacontane (C34)	19.688	2588544	20.518 ug/ml
20) T n-Hexatriacontane (C36)	20.427	2287922	18.921 ug/mlm
21) T n-Octatriacontane (C38)	21.163	2133919	17.279 ug/ml
22) T n-Tetracontane (C40)	22.070	2017154	16.062 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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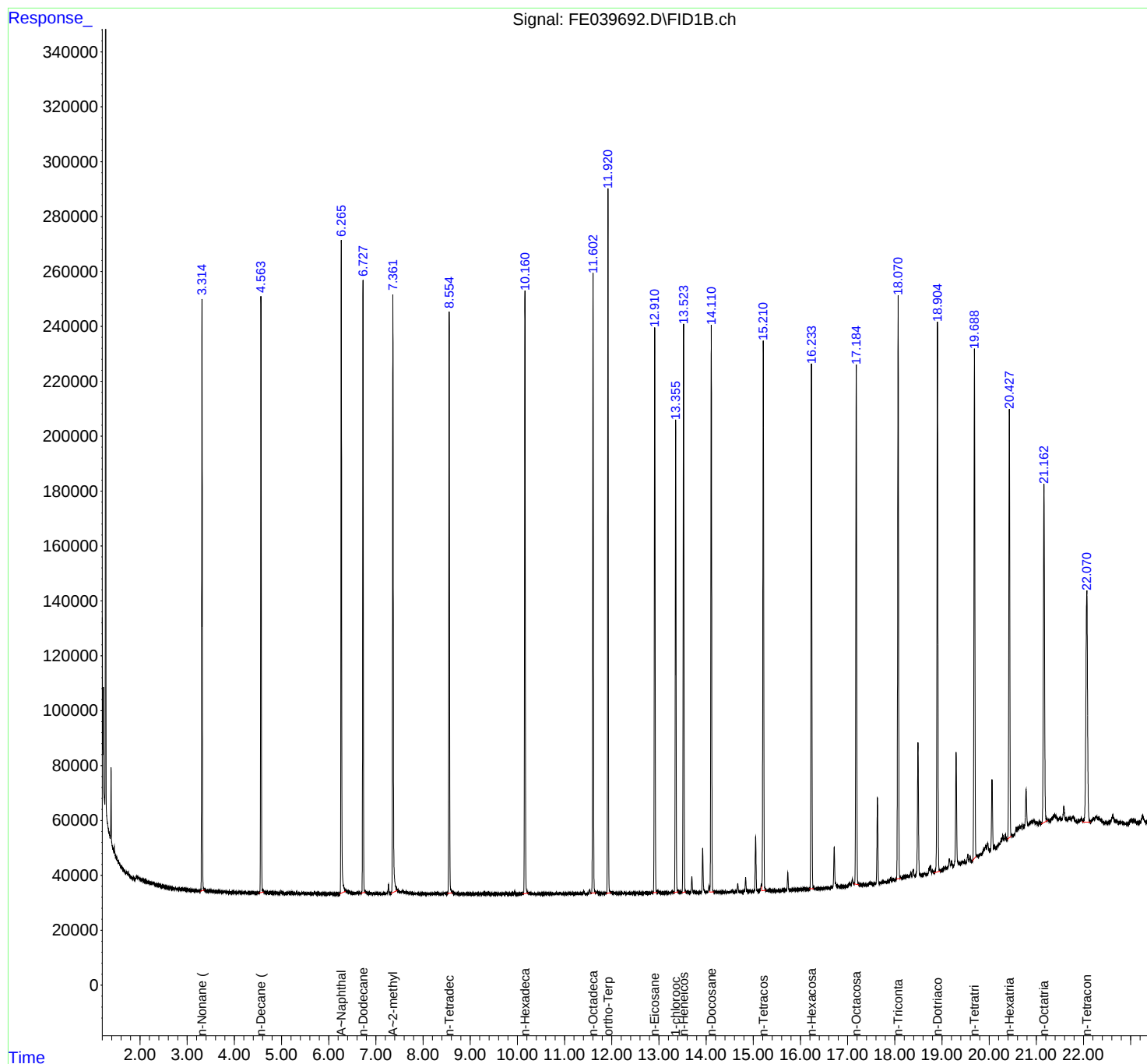
Instrument :
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20 PPM ALIPHATIC HC STD

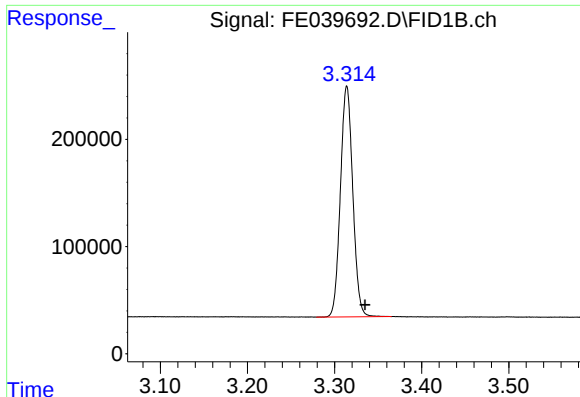
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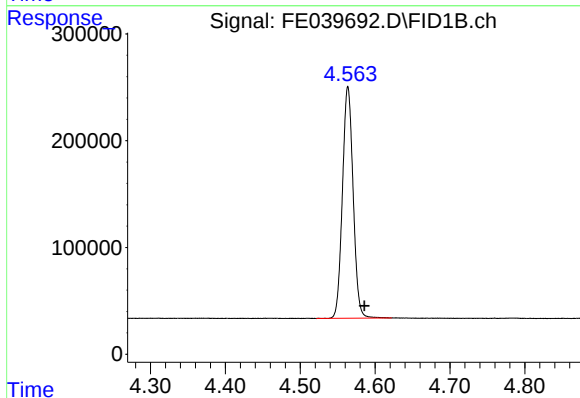
#1 n-Nonane (C9)

R.T.: 3.314 min
Delta R.T.: -0.021 min
Response: 2125604
Conc: 16.44 ug/ml

Instrument :
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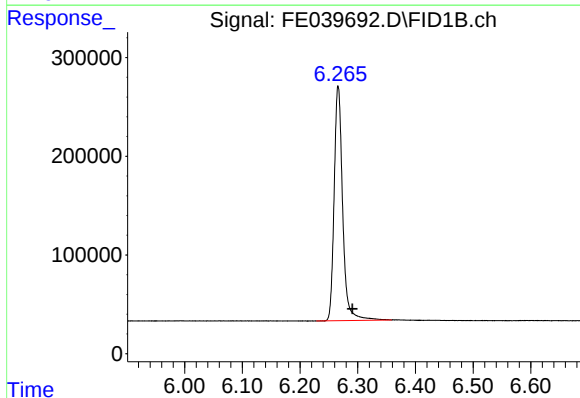
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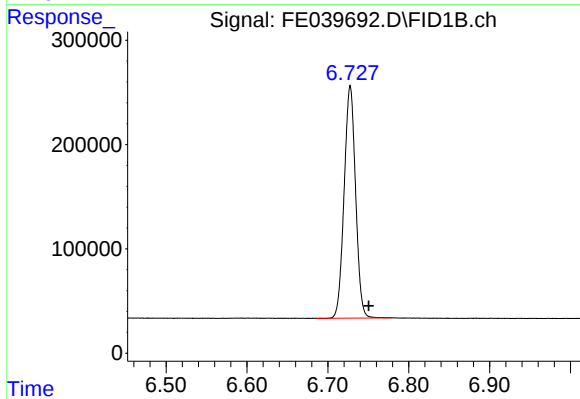
#2 n-Decane (C10)

R.T.: 4.564 min
Delta R.T.: -0.022 min
Response: 2153468
Conc: 16.90 ug/ml



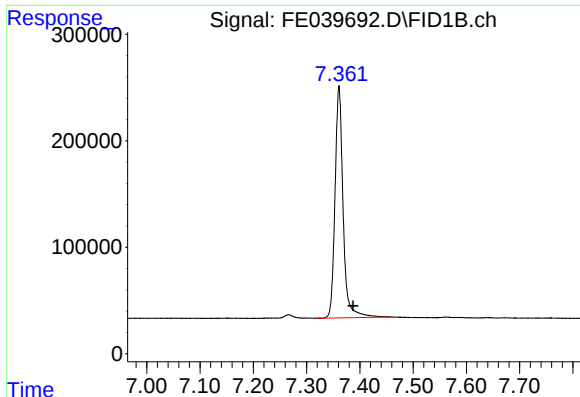
#3 A~Naphthalene (C11.7)

R.T.: 6.266 min
Delta R.T.: -0.025 min
Response: 2439101
Conc: 16.87 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.728 min
Delta R.T.: -0.023 min
Response: 2185959
Conc: 16.84 ug/ml



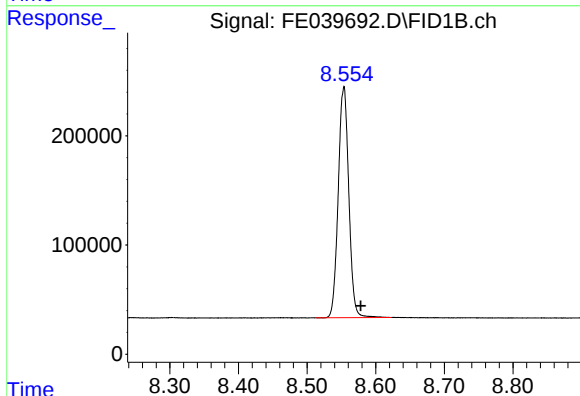
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.361 min
Delta R.T.: -0.026 min
Response: 2296053
Conc: 16.95 ug/ml

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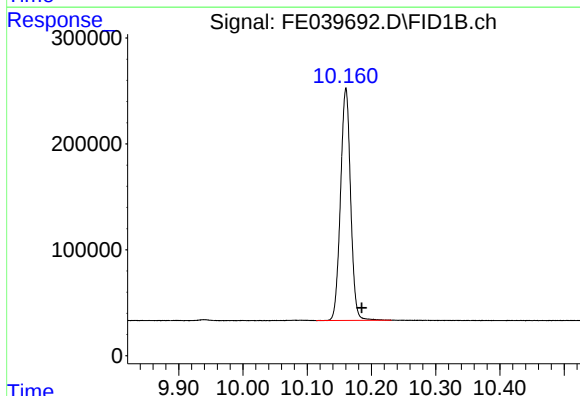
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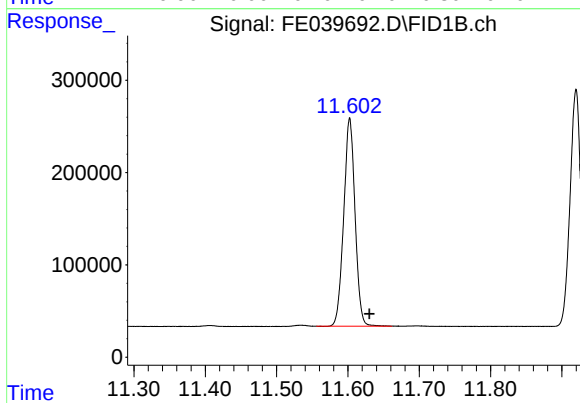
#6 n-Tetradecane (C14)

R.T.: 8.554 min
Delta R.T.: -0.024 min
Response: 2261137
Conc: 17.06 ug/ml



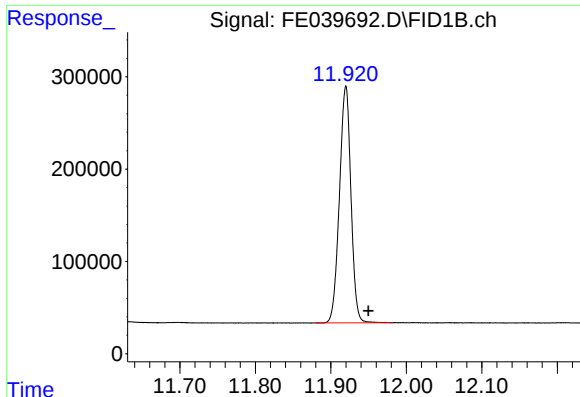
#7 n-Hexadecane (C16)

R.T.: 10.160 min
Delta R.T.: -0.025 min
Response: 2393377
Conc: 17.40 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.602 min
Delta R.T.: -0.028 min
Response: 2486704
Conc: 17.75 ug/ml



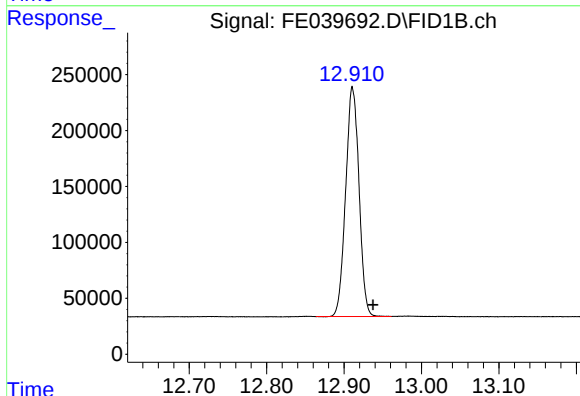
#9 ortho-Terphenyl (SURR)

R.T.: 11.920 min
Delta R.T.: -0.030 min
Response: 2718122
Conc: 18.21 ug/ml

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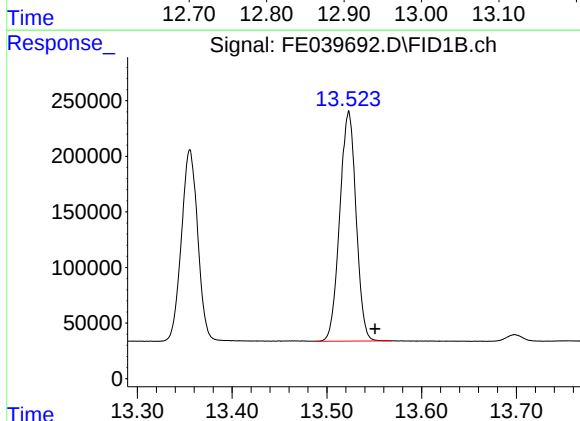
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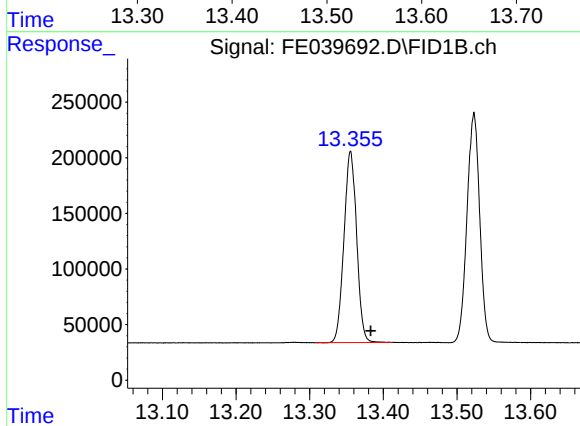
#10 n-Eicosane (C20)

R.T.: 12.911 min
Delta R.T.: -0.027 min
Response: 2459501
Conc: 18.02 ug/ml



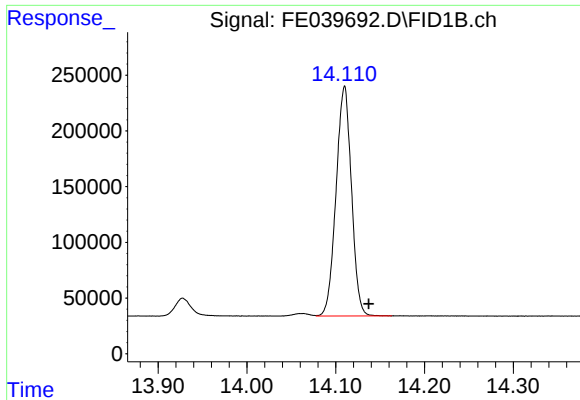
#11 n-Heneicosane (C21)

R.T.: 13.523 min
Delta R.T.: -0.028 min
Response: 2472871
Conc: 18.13 ug/ml m



#12 1-chlorooctadecane (SURR)

R.T.: 13.355 min
Delta R.T.: -0.028 min
Response: 2056405
Conc: 17.87 ug/ml



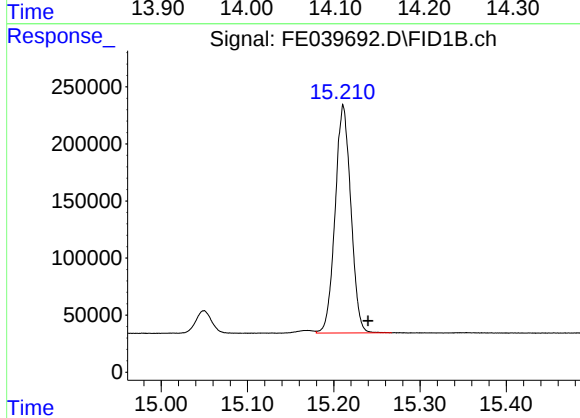
#13 n-Docosane (C22)

R.T.: 14.110 min
Delta R.T.: -0.027 min
Response: 2479026
Conc: 18.33 ug/ml

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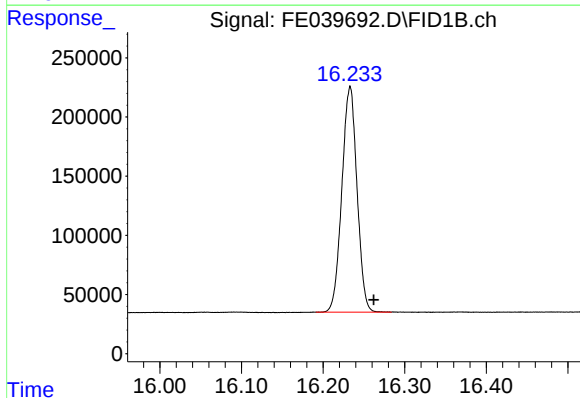
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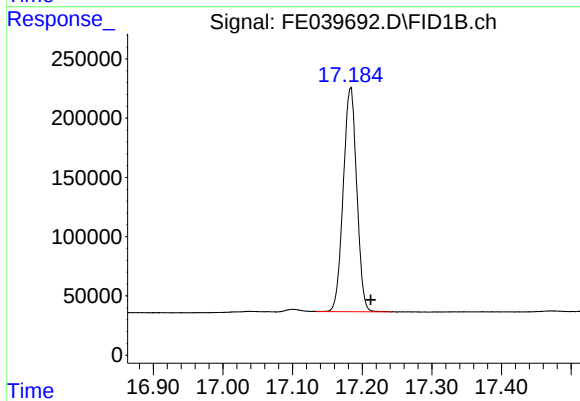
#14 n-Tetracosane (C24)

R.T.: 15.211 min
Delta R.T.: -0.028 min
Response: 2524200
Conc: 18.80 ug/ml



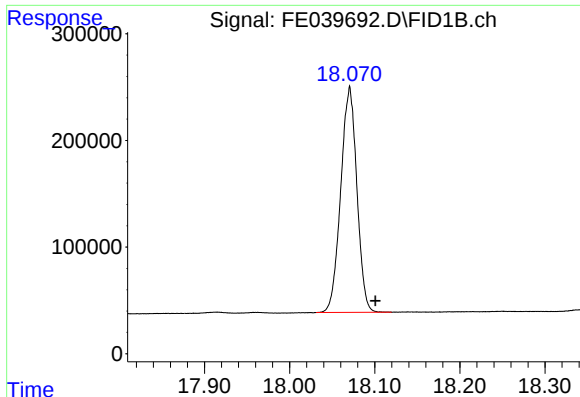
#15 n-Hexacosane (C26)

R.T.: 16.233 min
Delta R.T.: -0.029 min
Response: 2459140
Conc: 18.89 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.183 min
Delta R.T.: -0.029 min
Response: 2547766
Conc: 19.80 ug/ml



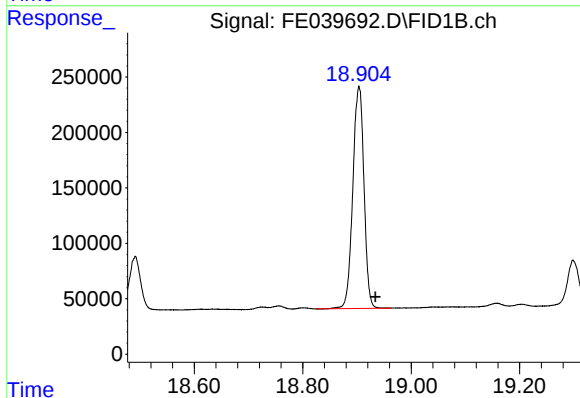
#17 n-Tricontane (C30)

R.T.: 18.070 min
Delta R.T.: -0.031 min
Response: 2786803
Conc: 21.65 ug/ml

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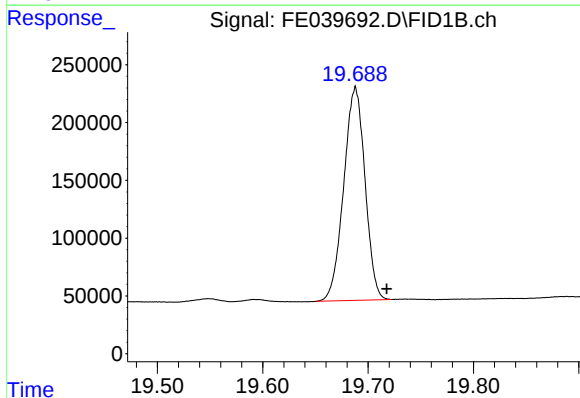
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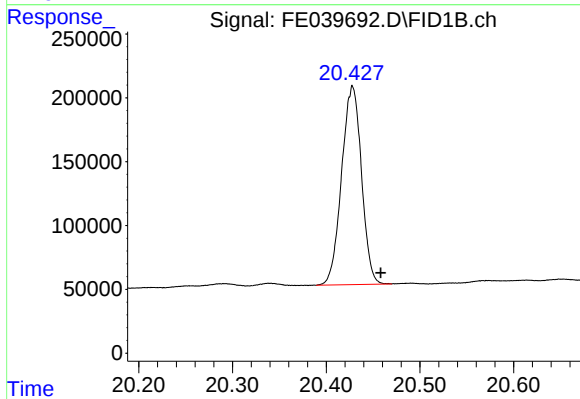
#18 n-Dotriacontane (C32)

R.T.: 18.904 min
Delta R.T.: -0.030 min
Response: 2862341
Conc: 22.10 ug/ml



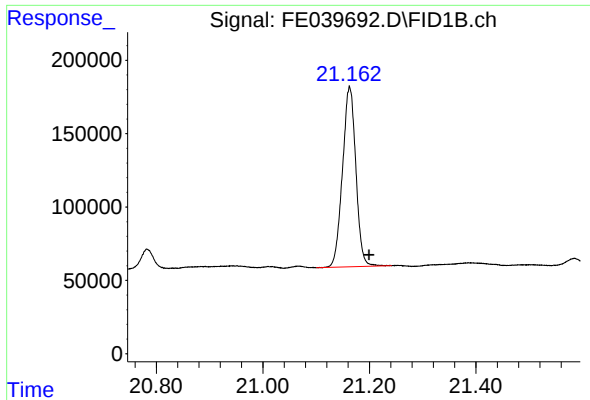
#19 n-Tetratriacontane (C34)

R.T.: 19.688 min
Delta R.T.: -0.030 min
Response: 2588544
Conc: 20.52 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.427 min
Delta R.T.: -0.031 min
Response: 2287922
Conc: 18.92 ug/ml m



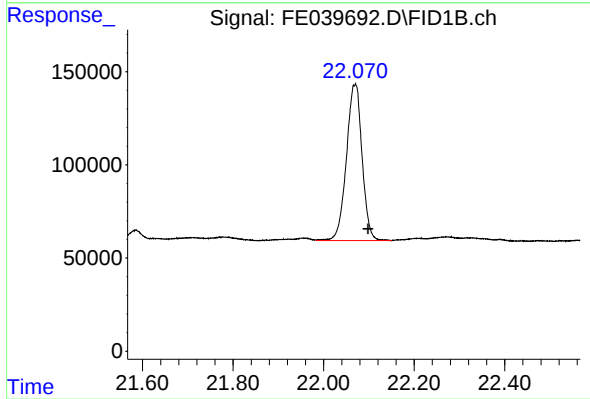
#21 n-Octatriacontane (C38)

R.T.: 21.163 min
Delta R.T.: -0.037 min
Response: 2133919
Conc: 17.28 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.070 min
Delta R.T.: -0.028 min
Response: 2017154
Conc: 16.06 ug/ml