

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091522AL\
 Data File : FE037591.D
 Signal(s) : FID1B.ch
 Acq On : 15 Sep 2022 15:33
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/16/2022
 Supervised By :Ankita Jodhani 09/16/2022

Integration File: autoint1.e
 Quant Time: Sep 15 15:58:43 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 082922.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 30 06:54:11 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)	11.626	3205680	18.969 ug/ml
Spiked Amount 50.000		Recovery =	37.94%
12) S 1-chlorooctadecane (S...	13.048	2467430	19.172 ug/ml
Spiked Amount 50.000		Recovery =	38.34%
Target Compounds			
1) T n-Nonane (C9)	3.022	2957444	19.329 ug/ml
2) T n-Decane (C10)	4.281	3044041	19.744 ug/ml
3) T A~Naphthalene (C11.7)	5.996	2960851	20.551 ug/ml
4) T n-Dodecane (C12)	6.452	3113476	19.689 ug/ml
5) T A~2-methylnaphthalene...	7.089	2854204	20.444 ug/ml
6) T n-Tetradecane (C14)	9.869	3137708	19.802 ug/ml
7) T n-Hexadecane (C16)	9.869	3137708	19.802 ug/ml
8) T n-Octadecane (C18)	11.304	3118808	19.585 ug/ml
10) T n-Eicosane (C20)	12.605	3042158	19.227 ug/ml
11) T n-Heneicosane (C21)	13.214	2991755	18.972 ug/ml
13) T n-Docosane (C22)	13.796	2992032	19.220 ug/ml
14) T n-Tetracosane (C24)	14.893	2913500	19.371 ug/ml
15) T n-Hexacosane (C26)	15.909	2841024	19.620 ug/ml
16) T n-Octacosane (C28)	16.853	2833443	20.452 ug/ml
17) T n-Tricontane (C30)	17.735	2990713	21.985 ug/ml
18) T n-Dotriacontane (C32)	18.563	3071914	23.005 ug/ml
19) T n-Tetratriacontane (C34)	19.342	2947422	23.295 ug/ml
20) T n-Hexatriacontane (C36)	20.080	2943788	22.889 ug/mlm
21) T n-Octatriacontane (C38)	20.777	3011457	24.196 ug/mlm
22) T n-Tetracontane (C40)	21.551	3031199	23.513 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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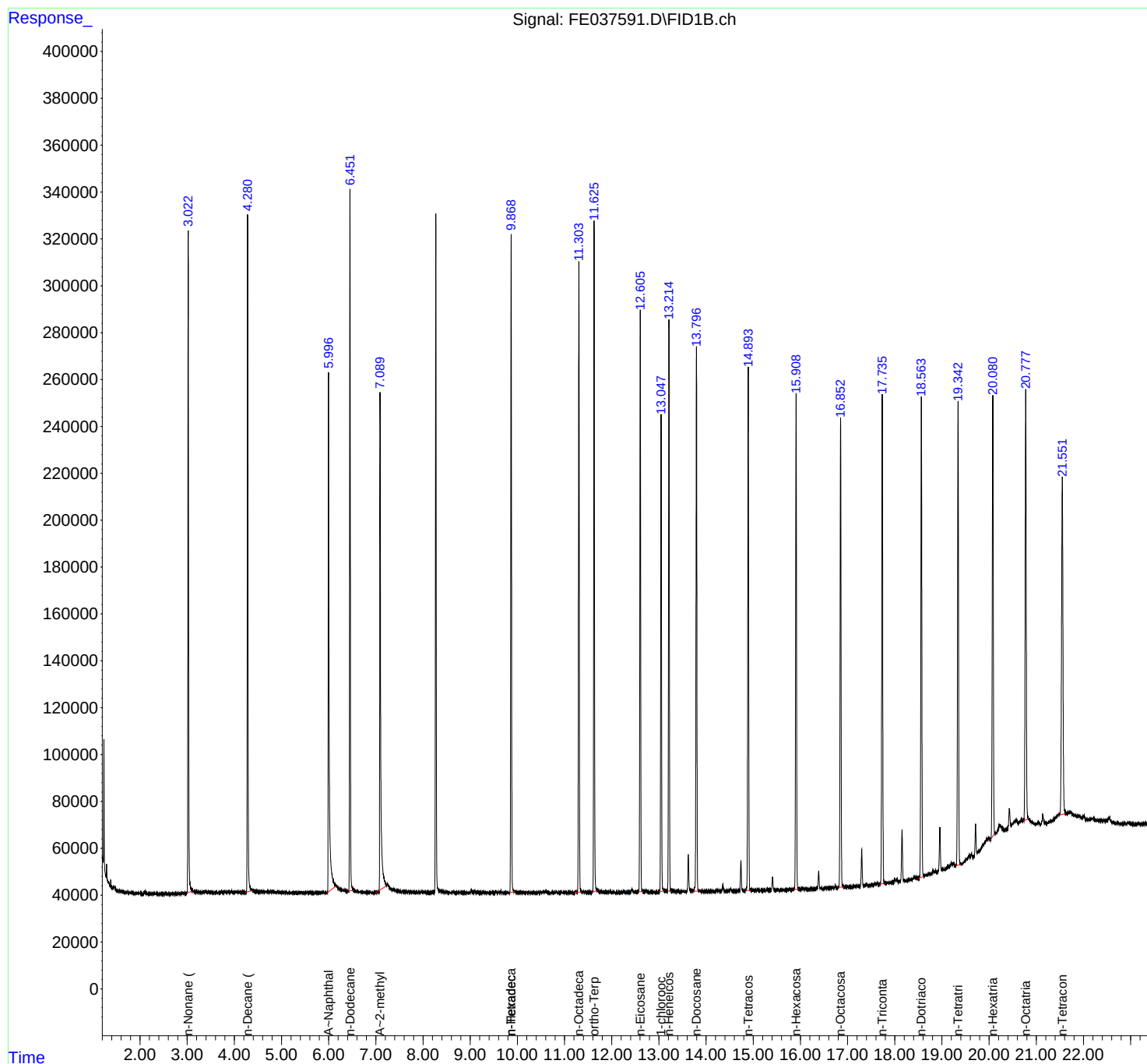
Instrument :
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ClientSampleId :
20 PPM ALIPHATIC HC STD

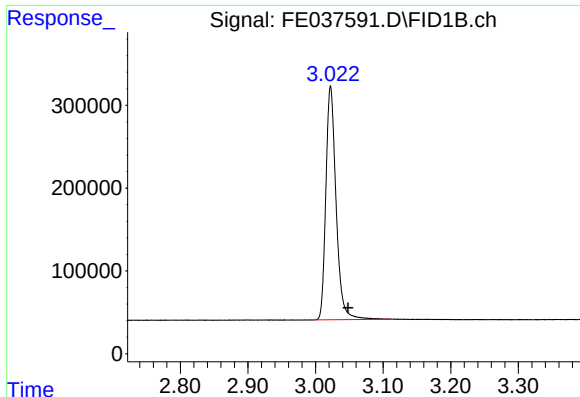
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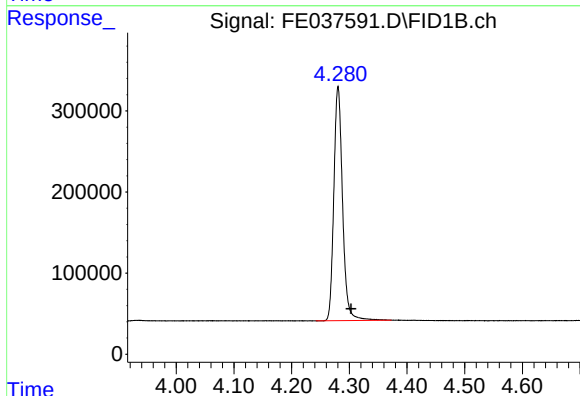
#1 n-Nonane (C9)

R.T.: 3.022 min
Delta R.T.: -0.026 min
Response: 2957444
Conc: 19.33 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

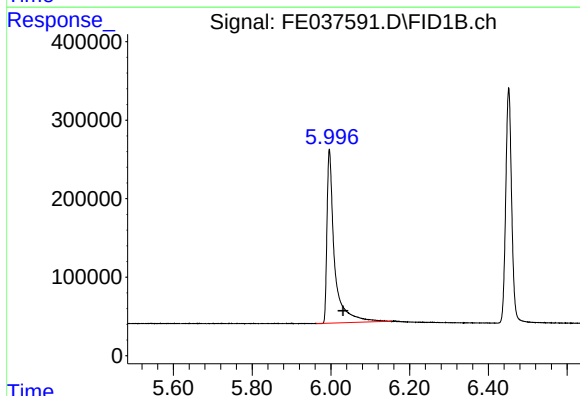
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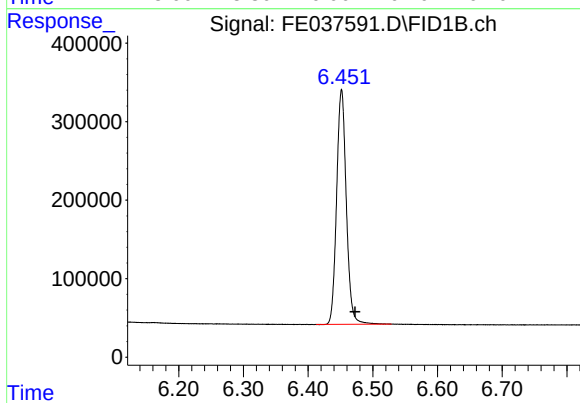
#2 n-Decane (C10)

R.T.: 4.281 min
Delta R.T.: -0.023 min
Response: 3044041
Conc: 19.74 ug/ml



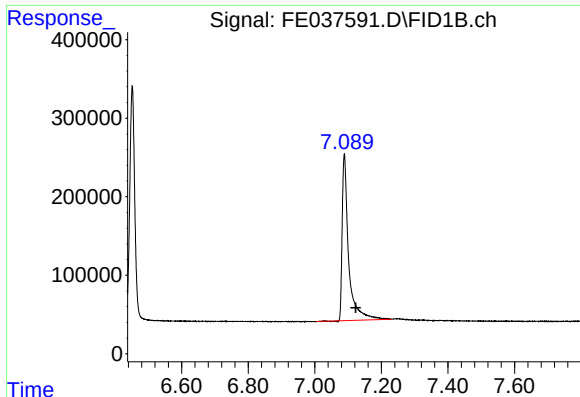
#3 A~Naphthalene (C11.7)

R.T.: 5.996 min
Delta R.T.: -0.034 min
Response: 2960851
Conc: 20.55 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.452 min
Delta R.T.: -0.021 min
Response: 3113476
Conc: 19.69 ug/ml



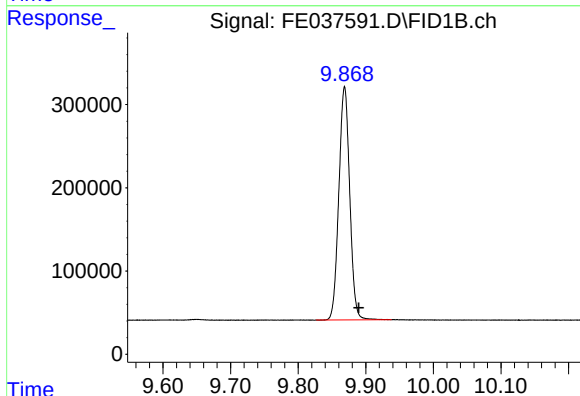
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.089 min
Delta R.T.: -0.034 min
Response: 2854204
Conc: 20.44 ug/ml

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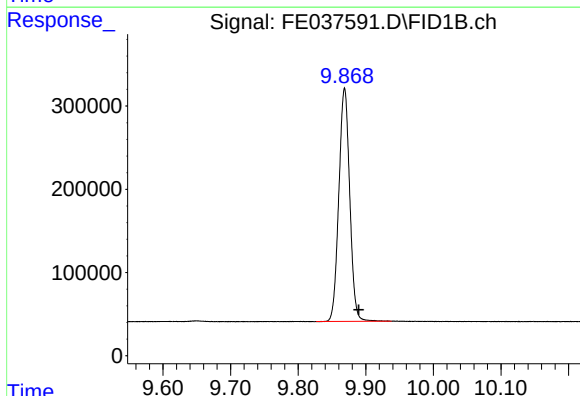
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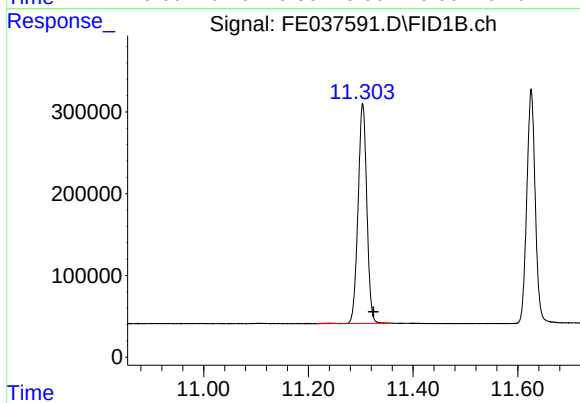
#6 n-Tetradecane (C14)

R.T.: 9.869 min
Delta R.T.: -0.021 min
Response: 3137708
Conc: 19.80 ug/ml



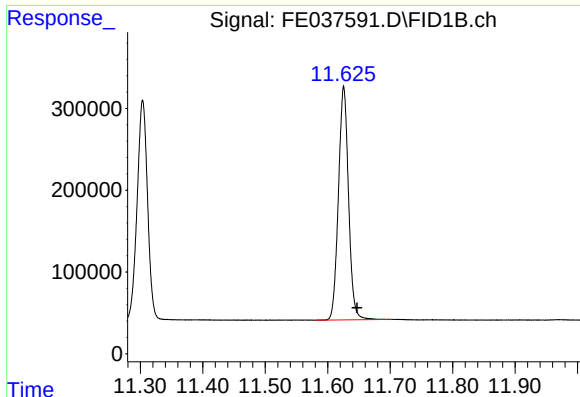
#7 n-Hexadecane (C16)

R.T.: 9.869 min
Delta R.T.: -0.021 min
Response: 3137708
Conc: 19.80 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.304 min
Delta R.T.: -0.020 min
Response: 3118808
Conc: 19.59 ug/ml



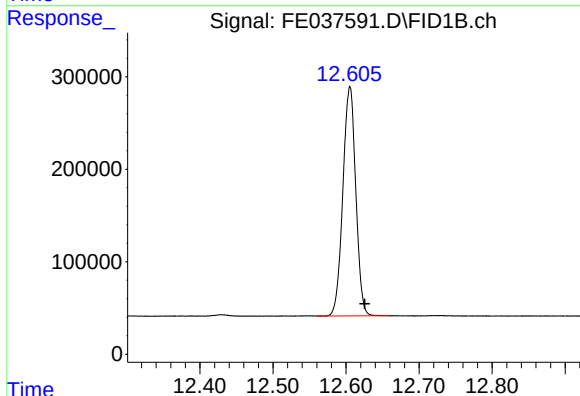
#9 ortho-Terphenyl (SURR)

R.T.: 11.626 min
Delta R.T.: -0.021 min
Response: 3205680
Conc: 18.97 ug/ml

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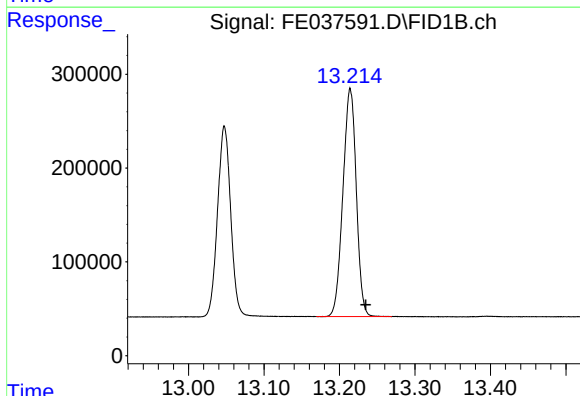
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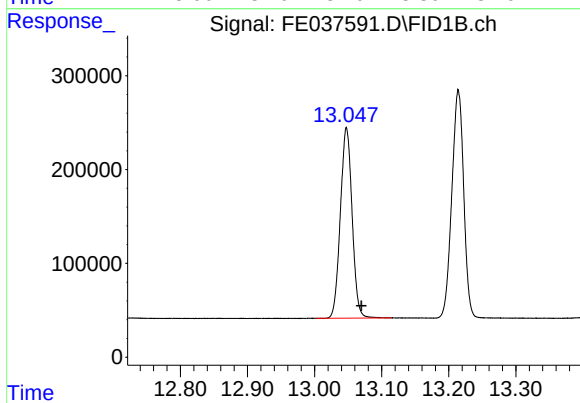
#10 n-Eicosane (C20)

R.T.: 12.605 min
Delta R.T.: -0.020 min
Response: 3042158
Conc: 19.23 ug/ml



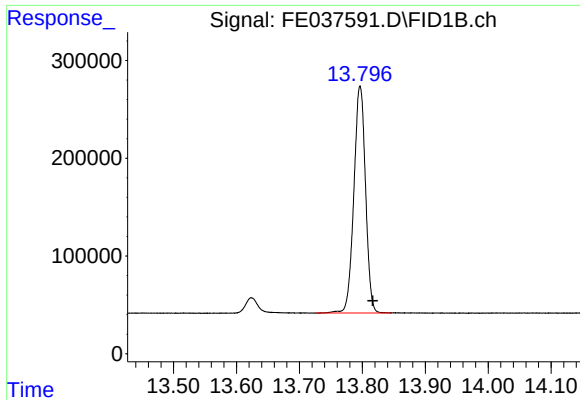
#11 n-Heneicosane (C21)

R.T.: 13.214 min
Delta R.T.: -0.020 min
Response: 2991755
Conc: 18.97 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.048 min
Delta R.T.: -0.022 min
Response: 2467430
Conc: 19.17 ug/ml



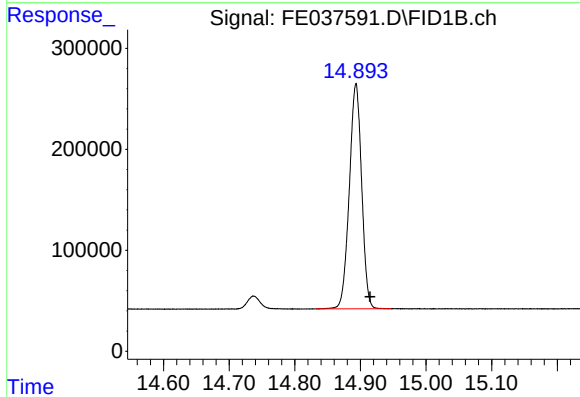
#13 n-Docosane (C22)

R.T.: 13.796 min
Delta R.T.: -0.020 min
Response: 2992032
Conc: 19.22 ug/ml

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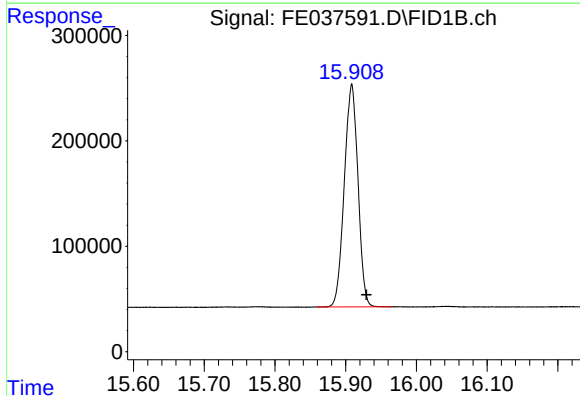
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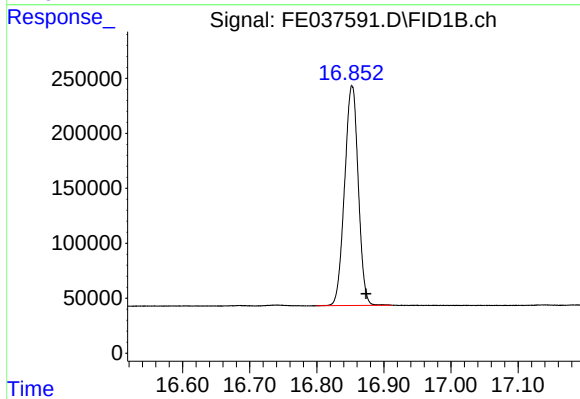
#14 n-Tetracosane (C24)

R.T.: 14.893 min
Delta R.T.: -0.021 min
Response: 2913500
Conc: 19.37 ug/ml



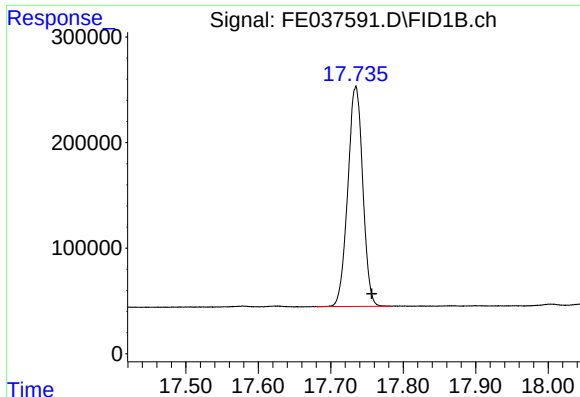
#15 n-Hexacosane (C26)

R.T.: 15.909 min
Delta R.T.: -0.021 min
Response: 2841024
Conc: 19.62 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.853 min
Delta R.T.: -0.021 min
Response: 2833443
Conc: 20.45 ug/ml



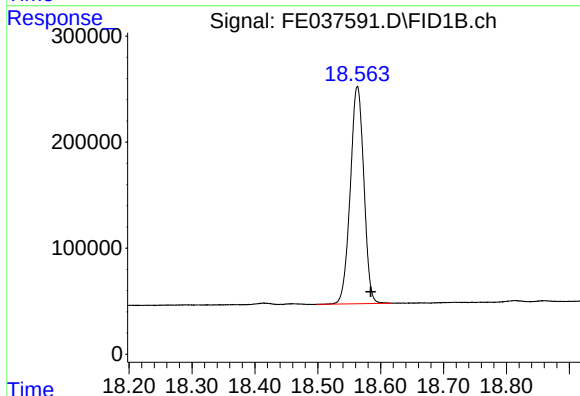
#17 n-Tricontane (C30)

R.T.: 17.735 min
Delta R.T.: -0.022 min
Response: 2990713
Conc: 21.99 ug/ml

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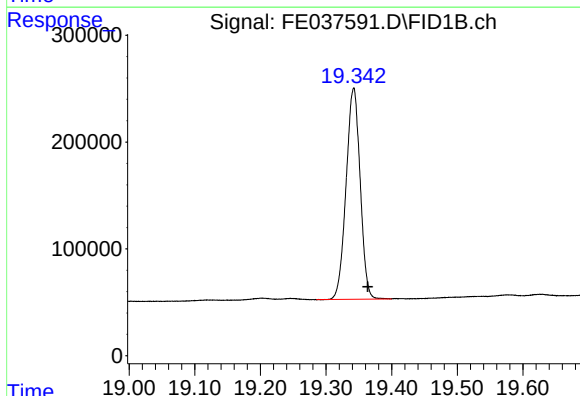
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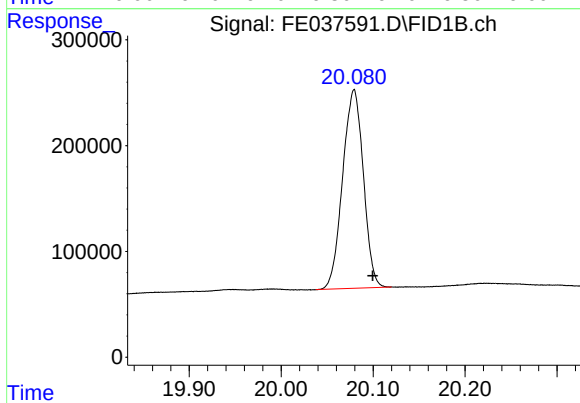
#18 n-Dotriacontane (C32)

R.T.: 18.563 min
Delta R.T.: -0.021 min
Response: 3071914
Conc: 23.00 ug/ml



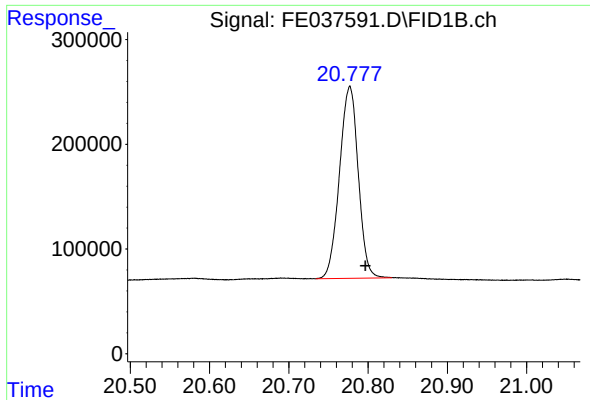
#19 n-Tetratriacontane (C34)

R.T.: 19.342 min
Delta R.T.: -0.021 min
Response: 2947422
Conc: 23.29 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.080 min
Delta R.T.: -0.020 min
Response: 2943788
Conc: 22.89 ug/ml m



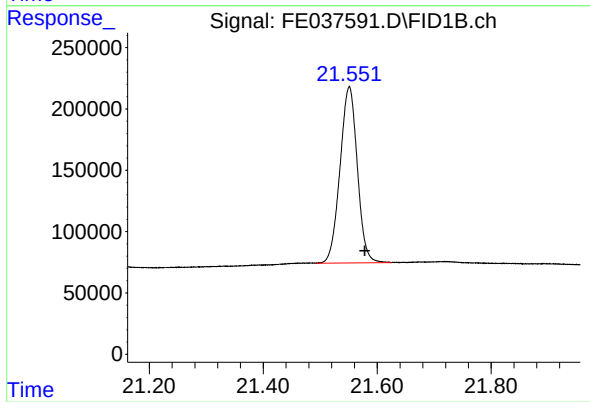
#21 n-Octatriacontane (C38)

R.T.: 20.777 min
Delta R.T.: -0.020 min
Response: 3011457
Conc: 24.20 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.551 min
Delta R.T.: -0.027 min
Response: 3031199
Conc: 23.51 ug/ml m