

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091422AL\
 Data File : FE037564.D
 Signal(s) : FID1B.ch
 Acq On : 15 Sep 2022 00:16
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/15/2022
 Supervised By :Ankita Jodhani 09/15/2022

Integration File: autoint1.e
 Quant Time: Sep 15 04:51:58 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)	11.627	3057365	18.092 ug/ml
Spiked Amount 50.000		Recovery =	36.18%
12) S 1-chlorooctadecane (S...	13.050	2362929	18.360 ug/ml
Spiked Amount 50.000		Recovery =	36.72%
Target Compounds			
1) T n-Nonane (C9)	3.025	2750714	17.978 ug/ml
2) T n-Decane (C10)	4.282	2890756	18.750 ug/ml
3) T A~Naphthalene (C11.7)	5.998	2773723	19.252 ug/ml
4) T n-Dodecane (C12)	6.453	2975872	18.819 ug/ml
5) T A~2-methylnaphthalene...	7.090	2718187	19.469 ug/ml
6) T n-Tetradecane (C14)	9.871	2987046	18.851 ug/ml
7) T n-Hexadecane (C16)	9.871	2987046	18.851 ug/ml
8) T n-Octadecane (C18)	11.306	2969115	18.645 ug/ml
10) T n-Eicosane (C20)	12.608	2900812	18.334 ug/ml
11) T n-Heneicosane (C21)	13.216	2861312	18.145 ug/ml
13) T n-Docosane (C22)	13.799	2830145	18.180 ug/ml
14) T n-Tetracosane (C24)	14.896	2728146	18.139 ug/ml
15) T n-Hexacosane (C26)	15.912	2662007	18.384 ug/ml
16) T n-Octacosane (C28)	16.855	2706650	19.537 ug/ml
17) T n-Tricontane (C30)	17.738	3035368	22.314 ug/ml
18) T n-Dotriacontane (C32)	18.566	3210216	24.041 ug/ml
19) T n-Tetratriacontane (C34)	19.345	3043470	24.054 ug/ml
20) T n-Hexatriacontane (C36)	20.081	2938857	22.850 ug/mlm
21) T n-Octatriacontane (C38)	20.777	2882084	23.157 ug/mlm
22) T n-Tetracontane (C40)	21.556	2885328	22.382 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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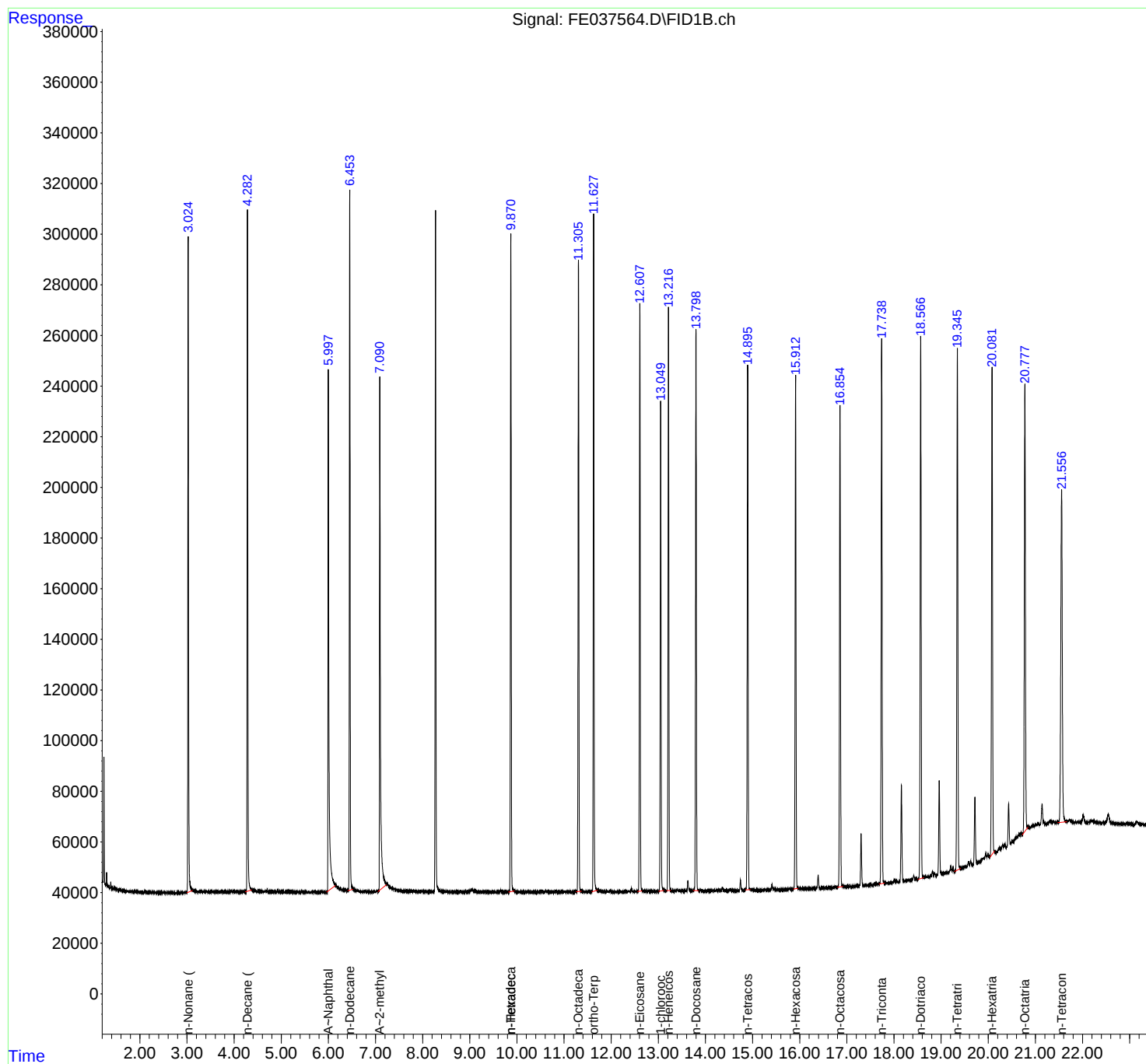
Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

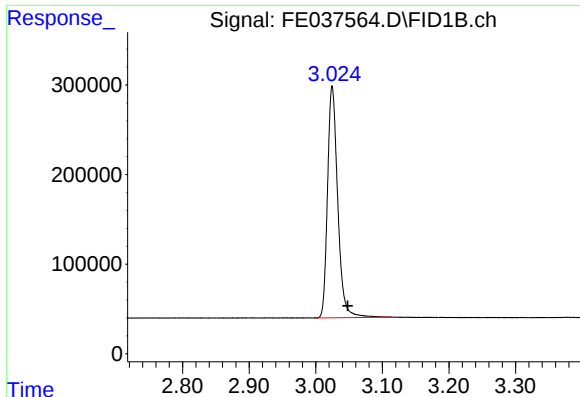
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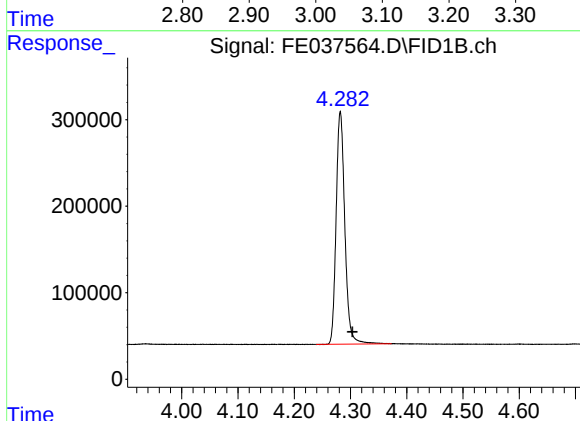
#1 n-Nonane (C9)

R.T.: 3.025 min
Delta R.T.: -0.023 min
Response: 2750714
Conc: 17.98 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

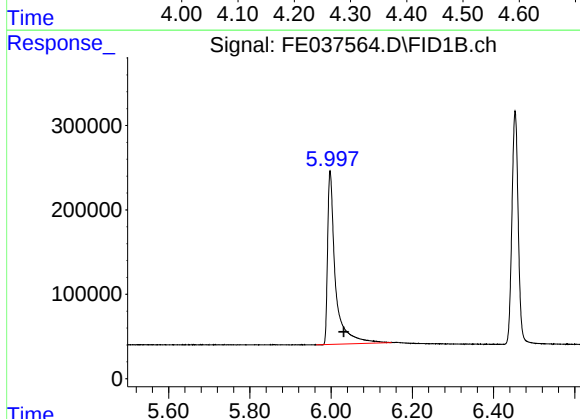
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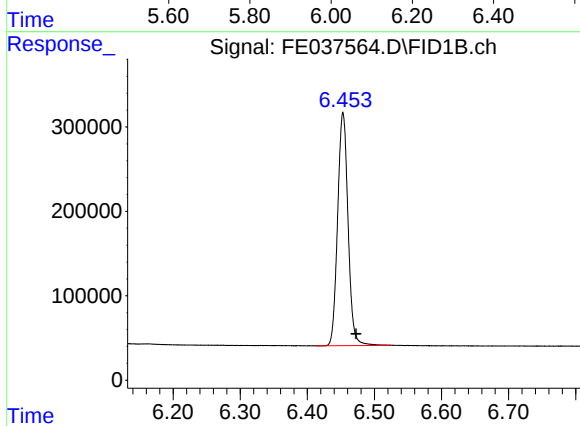
#2 n-Decane (C10)

R.T.: 4.282 min
Delta R.T.: -0.021 min
Response: 2890756
Conc: 18.75 ug/ml



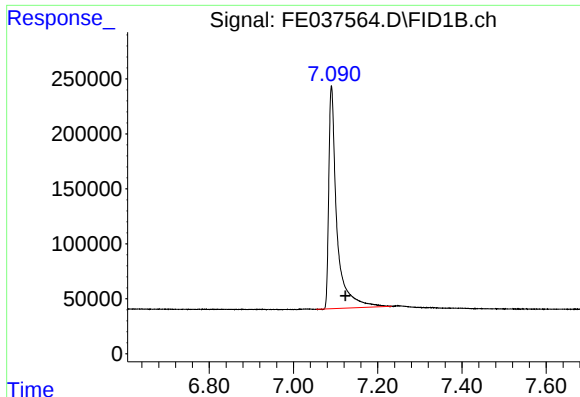
#3 A~Naphthalene (C11.7)

R.T.: 5.998 min
Delta R.T.: -0.033 min
Response: 2773723
Conc: 19.25 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.453 min
Delta R.T.: -0.019 min
Response: 2975872
Conc: 18.82 ug/ml



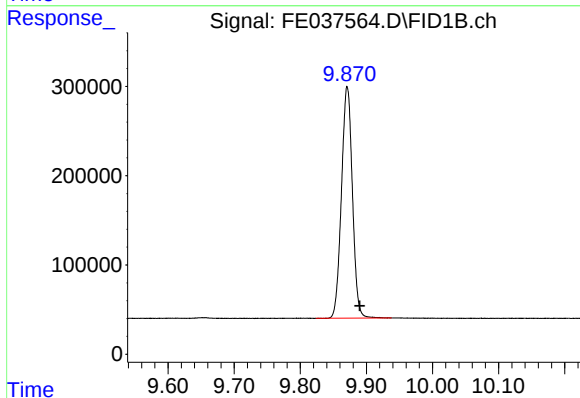
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.090 min
Delta R.T.: -0.033 min
Response: 2718187
Conc: 19.47 ug/ml

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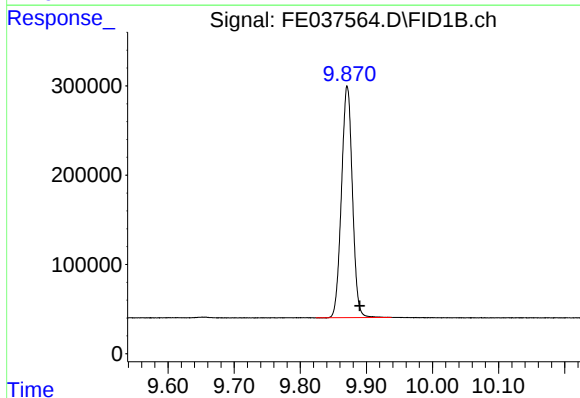
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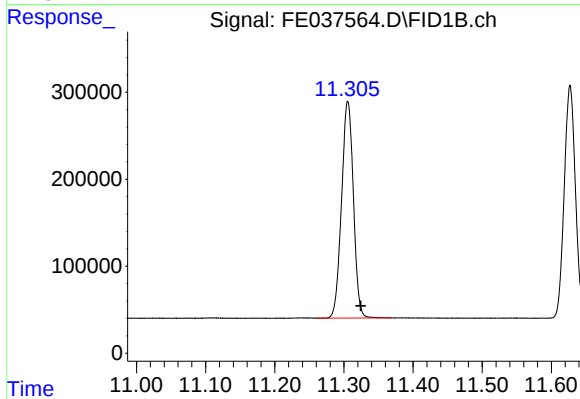
#6 n-Tetradecane (C14)

R.T.: 9.871 min
Delta R.T.: -0.019 min
Response: 2987046
Conc: 18.85 ug/ml



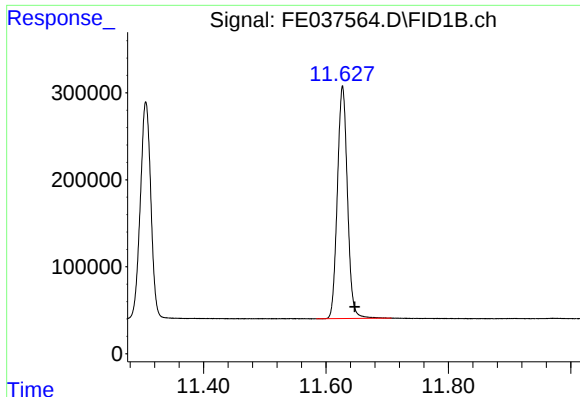
#7 n-Hexadecane (C16)

R.T.: 9.871 min
Delta R.T.: -0.019 min
Response: 2987046
Conc: 18.85 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.306 min
Delta R.T.: -0.019 min
Response: 2969115
Conc: 18.65 ug/ml



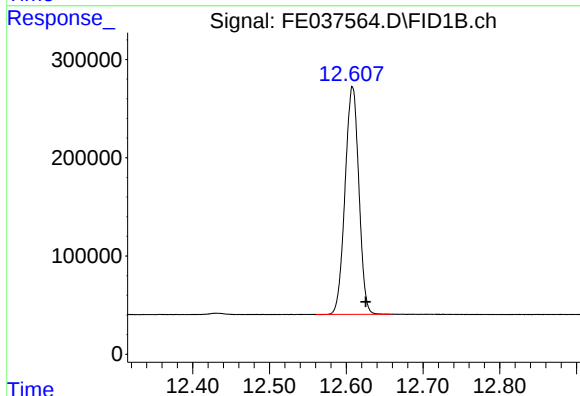
#9 ortho-Terphenyl (SURR)

R.T.: 11.627 min
Delta R.T.: -0.020 min
Response: 3057365
Conc: 18.09 ug/ml

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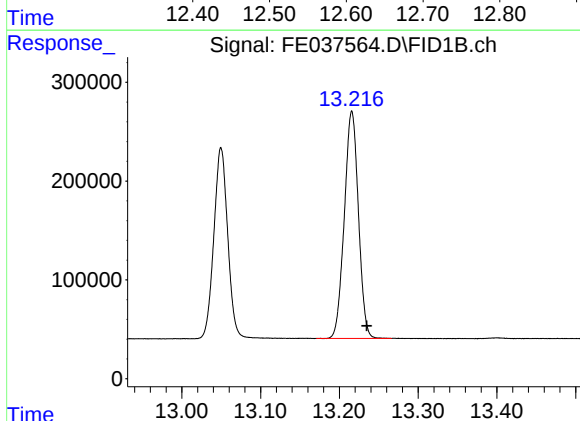
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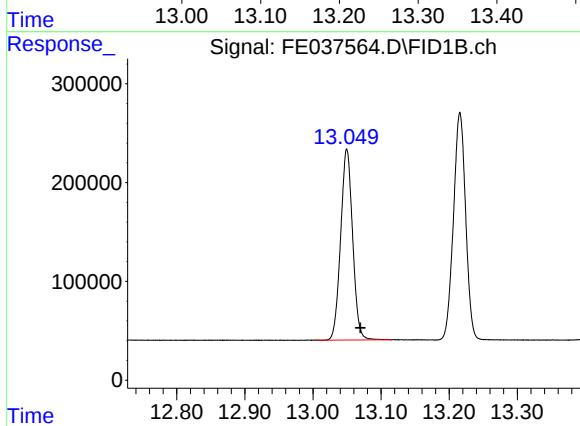
#10 n-Eicosane (C20)

R.T.: 12.608 min
Delta R.T.: -0.017 min
Response: 2900812
Conc: 18.33 ug/ml



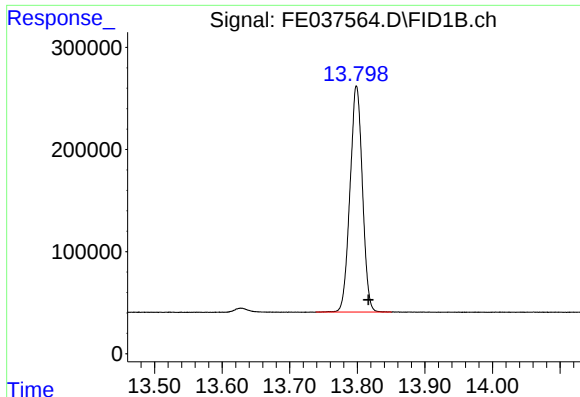
#11 n-Heneicosane (C21)

R.T.: 13.216 min
Delta R.T.: -0.019 min
Response: 2861312
Conc: 18.15 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.050 min
Delta R.T.: -0.020 min
Response: 2362929
Conc: 18.36 ug/ml



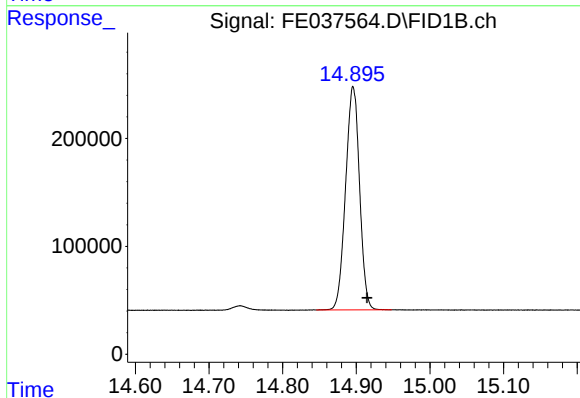
#13 n-Docosane (C22)

R.T.: 13.799 min
Delta R.T.: -0.018 min
Response: 2830145
Conc: 18.18 ug/ml

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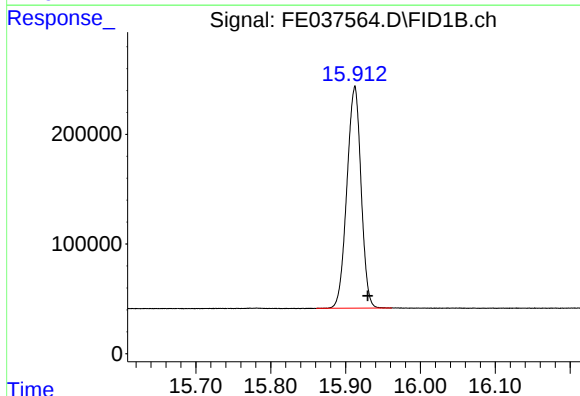
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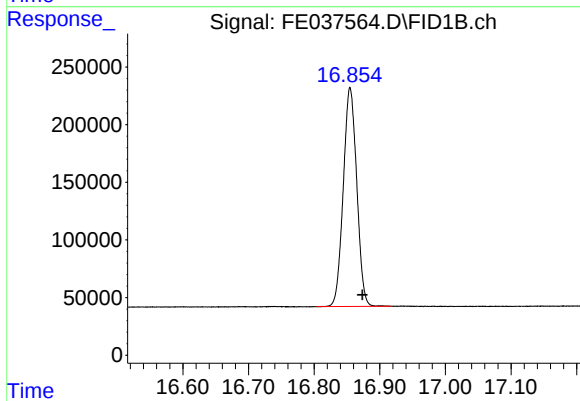
#14 n-Tetracosane (C24)

R.T.: 14.896 min
Delta R.T.: -0.019 min
Response: 2728146
Conc: 18.14 ug/ml



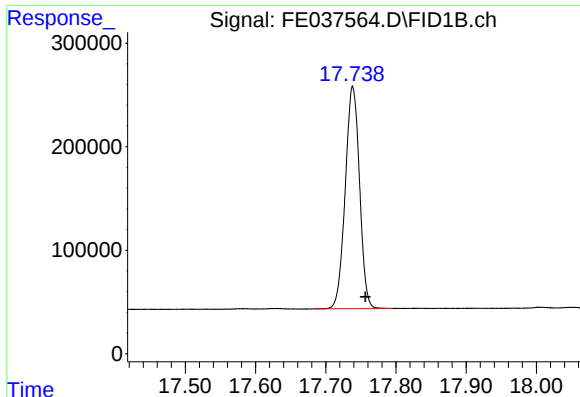
#15 n-Hexacosane (C26)

R.T.: 15.912 min
Delta R.T.: -0.017 min
Response: 2662007
Conc: 18.38 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.855 min
Delta R.T.: -0.019 min
Response: 2706650
Conc: 19.54 ug/ml



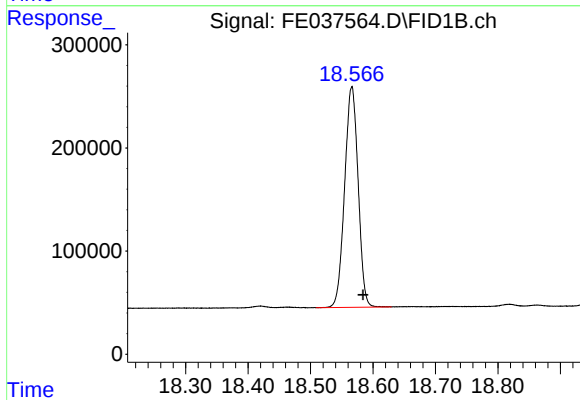
#17 n-Tricontane (C30)

R.T.: 17.738 min
Delta R.T.: -0.018 min
Response: 3035368
Conc: 22.31 ug/ml

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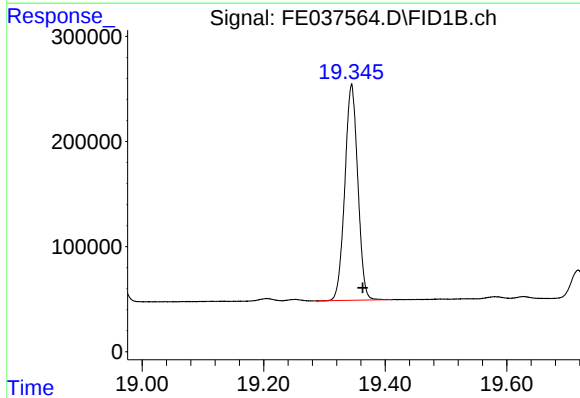
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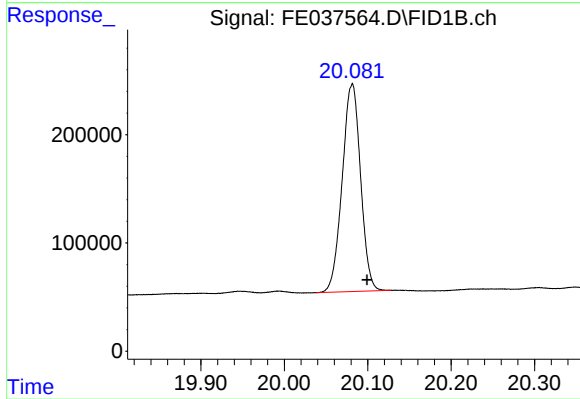
#18 n-Dotriacontane (C32)

R.T.: 18.566 min
Delta R.T.: -0.018 min
Response: 3210216
Conc: 24.04 ug/ml



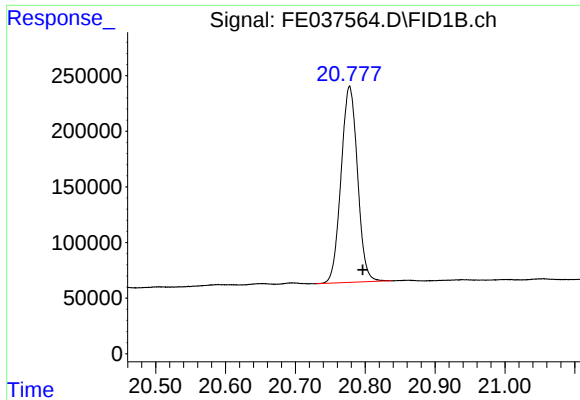
#19 n-Tetratriacontane (C34)

R.T.: 19.345 min
Delta R.T.: -0.019 min
Response: 3043470
Conc: 24.05 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.081 min
Delta R.T.: -0.018 min
Response: 2938857
Conc: 22.85 ug/ml m



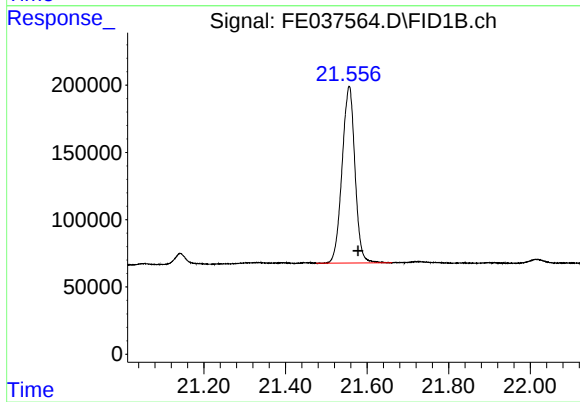
#21 n-Octatriacontane (C38)

R.T.: 20.777 min
Delta R.T.: -0.019 min
Response: 2882084
Conc: 23.16 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.556 min
Delta R.T.: -0.022 min
Response: 2885328
Conc: 22.38 ug/ml