

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061523AL\
 Data File : FE042652.D
 Signal(s) : FID1B.ch
 Acq On : 16 Jun 2023 06:34
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/16/2023
 Supervised By :Ankita Jodhani 06/16/2023

Integration File: autoint1.e
 Quant Time: Jun 16 06:59:26 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051823.M
 Quant Title : GC Extractables
 QLast Update : Thu May 18 06:27:12 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)	11.935	3403682	19.276 ug/ml
Spiked Amount 50.000		Recovery =	38.55%
12) S 1-chlorooctadecane (S...	13.371	2509732	18.887 ug/ml
Spiked Amount 50.000		Recovery =	37.77%
Target Compounds			
1) T n-Nonane (C9)	3.316	2847501	19.747 ug/ml
2) T n-Decane (C10)	4.568	2976078	20.104 ug/ml
3) T A~Naphthalene (C11.7)	6.275	3199202	19.608 ug/ml
4) T n-Dodecane (C12)	6.736	3014326	20.102 ug/ml
5) T A~2-methylnaphthalene...	7.373	3065724	19.317 ug/ml
6) T n-Tetradecane (C14)	8.565	2987851	19.945 ug/ml
7) T n-Hexadecane (C16)	10.172	3095558	19.873 ug/ml
8) T n-Octadecane (C18)	11.616	3111209	19.674 ug/ml
10) T n-Eicosane (C20)	12.925	2943283	19.417 ug/ml
11) T n-Heneicosane (C21)	13.537	2859631	19.302 ug/ml
13) T n-Docosane (C22)	14.124	2804662	19.132 ug/ml
14) T n-Tetracosane (C24)	15.227	2732479	18.929 ug/ml
15) T n-Hexacosane (C26)	16.248	2651130	19.142 ug/ml
16) T n-Octacosane (C28)	17.198	2664797	19.904 ug/ml
17) T n-Tricontane (C30)	18.087	2919236	21.625 ug/ml
18) T n-Dotriacontane (C32)	18.919	2996257	22.429 ug/ml
19) T n-Tetratriacontane (C34)	19.704	2875326	21.864 ug/ml
20) T n-Hexatriacontane (C36)	20.444	2751751	21.172 ug/ml
21) T n-Octatriacontane (C38)	21.189	2798405	20.626 ug/mlm
22) T n-Tetracontane (C40)	22.115	2847086	20.465 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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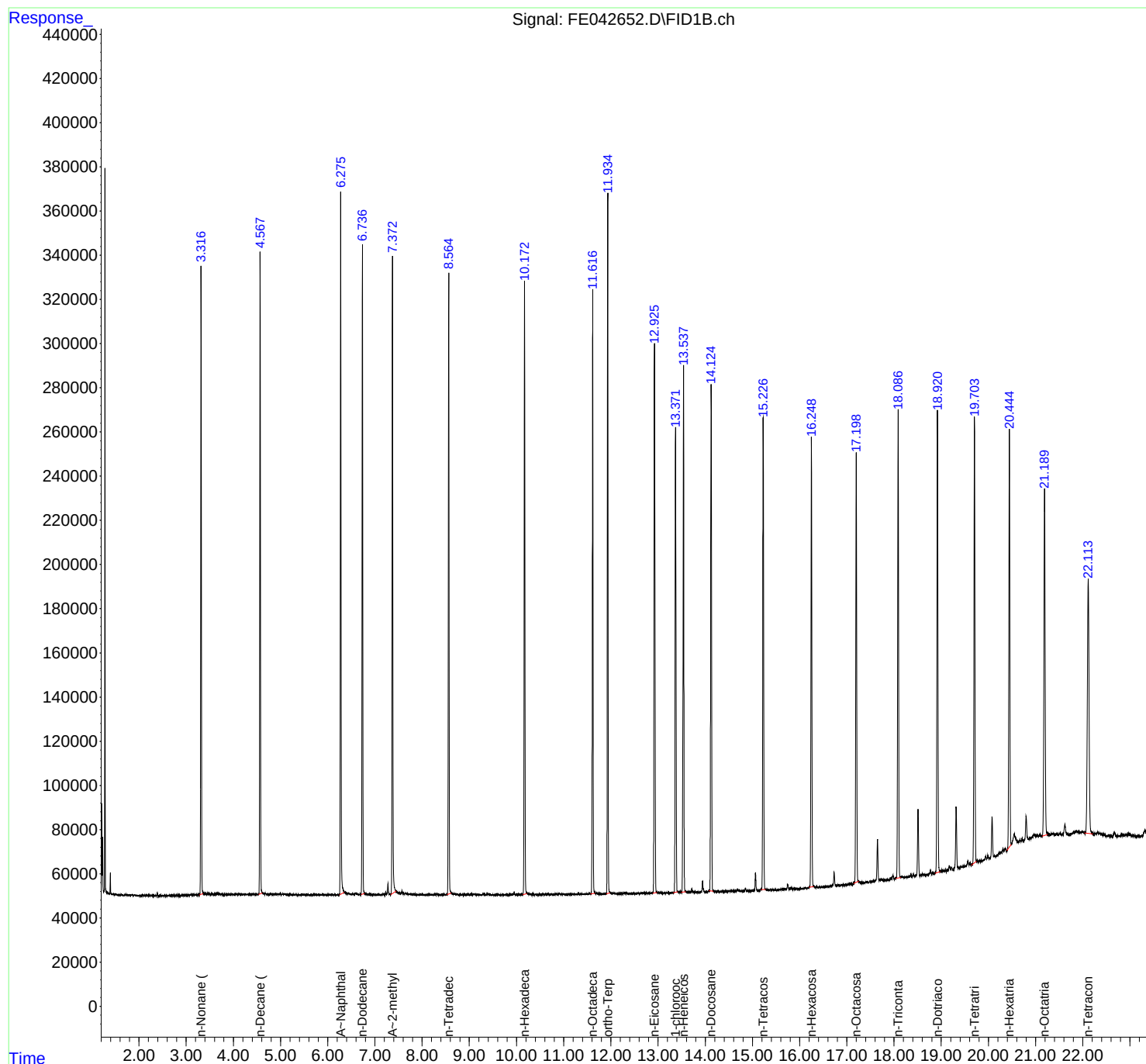
Instrument :
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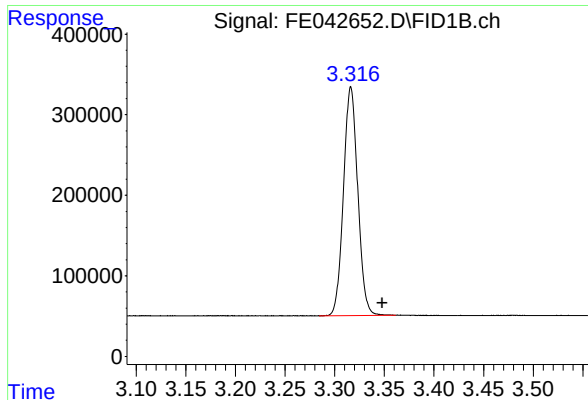
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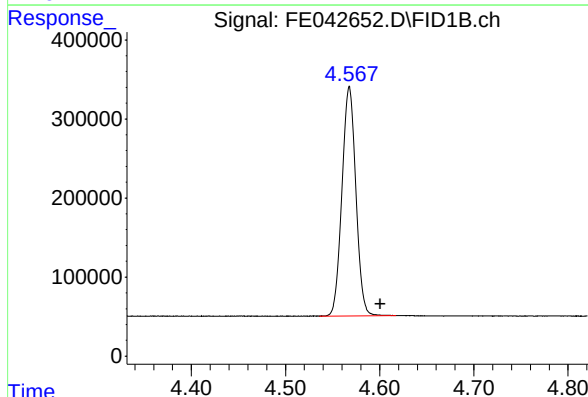
#1 n-Nonane (C9)

R.T.: 3.316 min
Delta R.T.: -0.032 min
Response: 2847501
Conc: 19.75 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

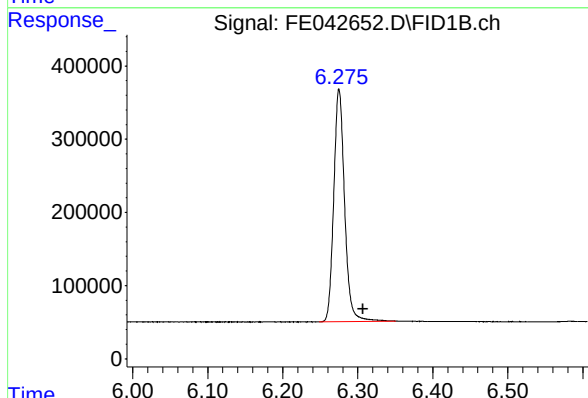
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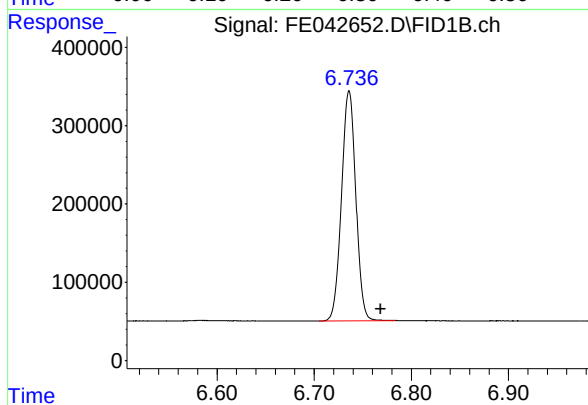
#2 n-Decane (C10)

R.T.: 4.568 min
Delta R.T.: -0.033 min
Response: 2976078
Conc: 20.10 ug/ml



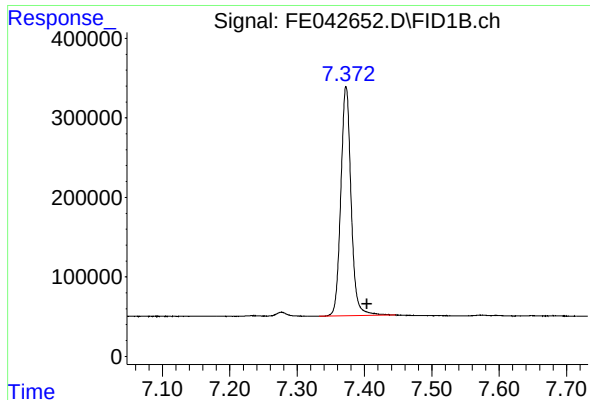
#3 A~Naphthalene (C11.7)

R.T.: 6.275 min
Delta R.T.: -0.032 min
Response: 3199202
Conc: 19.61 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.736 min
Delta R.T.: -0.032 min
Response: 3014326
Conc: 20.10 ug/ml



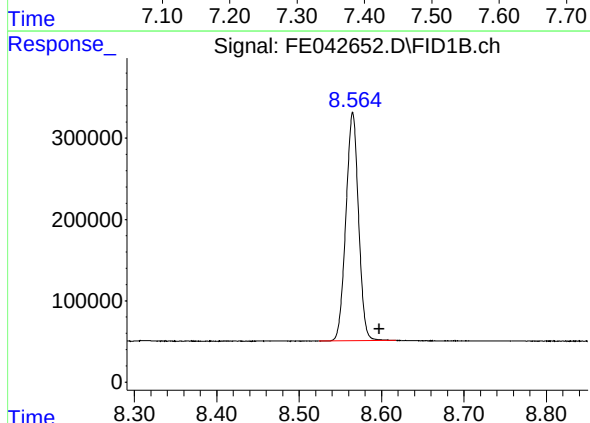
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.373 min
Delta R.T.: -0.031 min
Response: 3065724
Conc: 19.32 ug/ml

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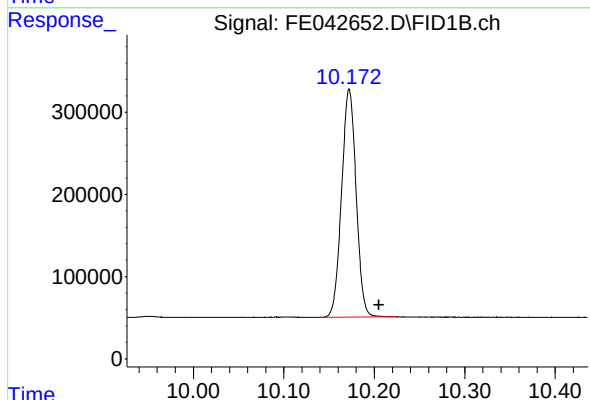
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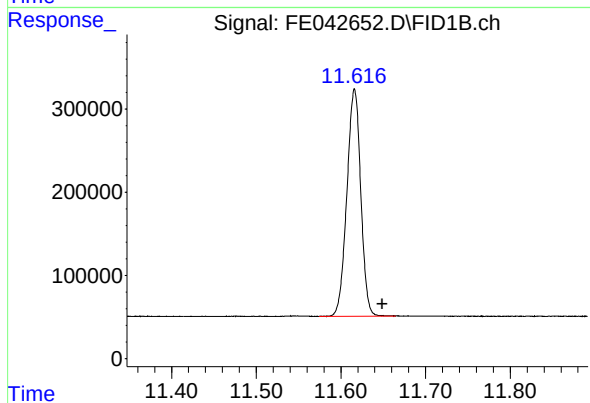
#6 n-Tetradecane (C14)

R.T.: 8.565 min
Delta R.T.: -0.032 min
Response: 2987851
Conc: 19.94 ug/ml



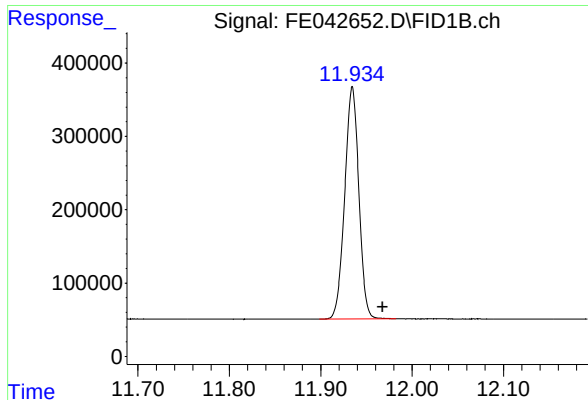
#7 n-Hexadecane (C16)

R.T.: 10.172 min
Delta R.T.: -0.033 min
Response: 3095558
Conc: 19.87 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.616 min
Delta R.T.: -0.033 min
Response: 3111209
Conc: 19.67 ug/ml



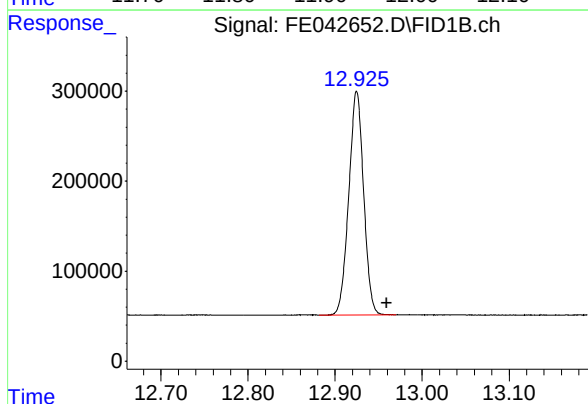
#9 ortho-Terphenyl (SURR)

R.T.: 11.935 min
Delta R.T.: -0.033 min
Response: 3403682
Conc: 19.28 ug/ml

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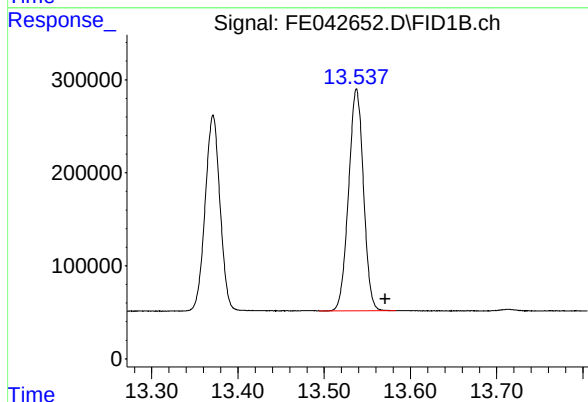
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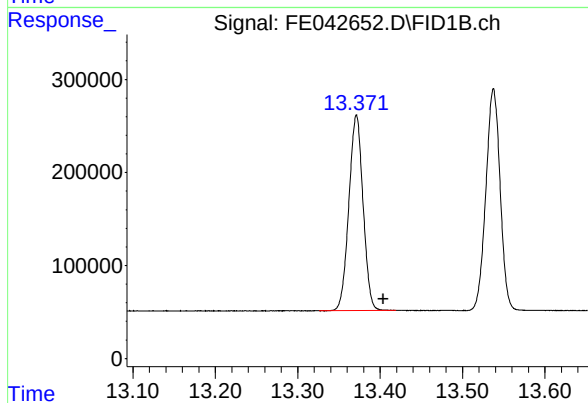
#10 n-Eicosane (C20)

R.T.: 12.925 min
Delta R.T.: -0.034 min
Response: 2943283
Conc: 19.42 ug/ml



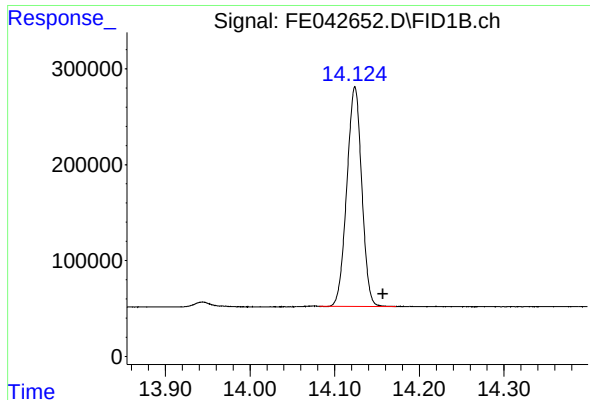
#11 n-Heneicosane (C21)

R.T.: 13.537 min
Delta R.T.: -0.033 min
Response: 2859631
Conc: 19.30 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.371 min
Delta R.T.: -0.033 min
Response: 2509732
Conc: 18.89 ug/ml



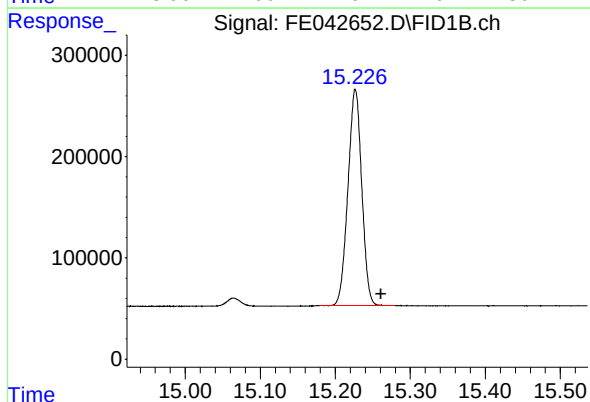
#13 n-Docosane (C22)

R.T.: 14.124 min
Delta R.T.: -0.033 min
Response: 2804662
Conc: 19.13 ug/ml

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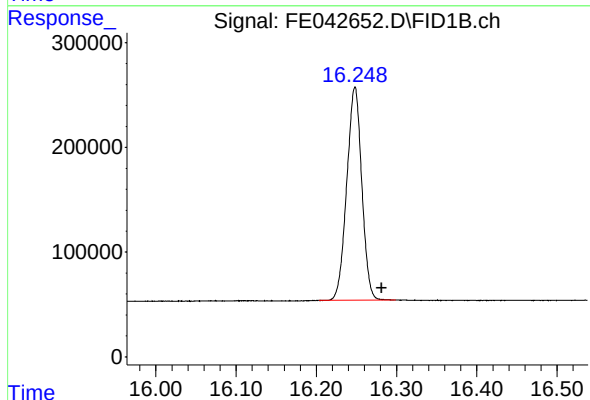
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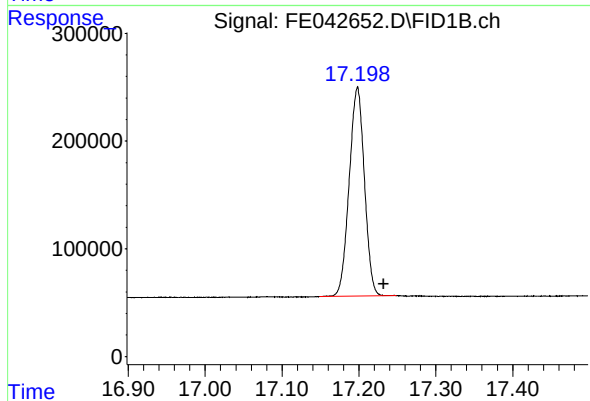
#14 n-Tetracosane (C24)

R.T.: 15.227 min
Delta R.T.: -0.034 min
Response: 2732479
Conc: 18.93 ug/ml



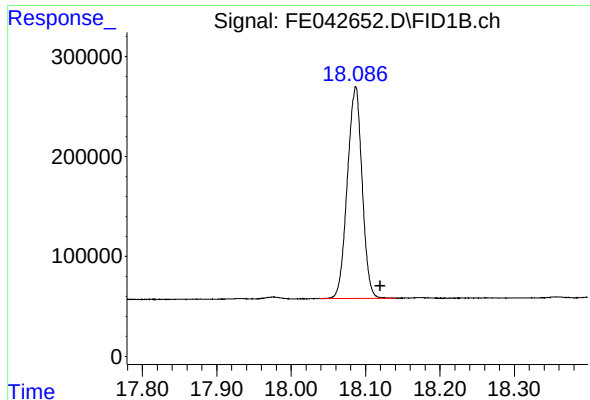
#15 n-Hexacosane (C26)

R.T.: 16.248 min
Delta R.T.: -0.033 min
Response: 2651130
Conc: 19.14 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.198 min
Delta R.T.: -0.034 min
Response: 2664797
Conc: 19.90 ug/ml



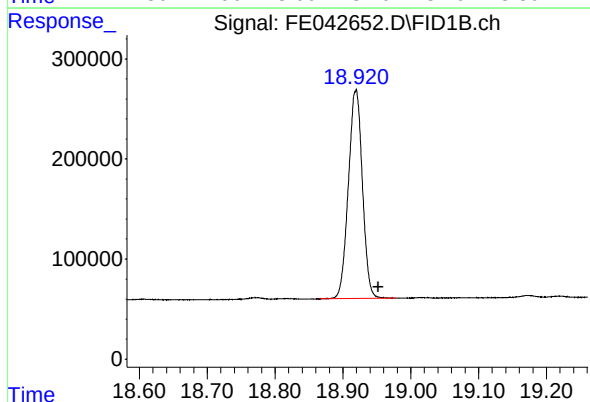
#17 n-Tricontane (C30)

R.T.: 18.087 min
Delta R.T.: -0.033 min
Response: 2919236
Conc: 21.63 ug/ml

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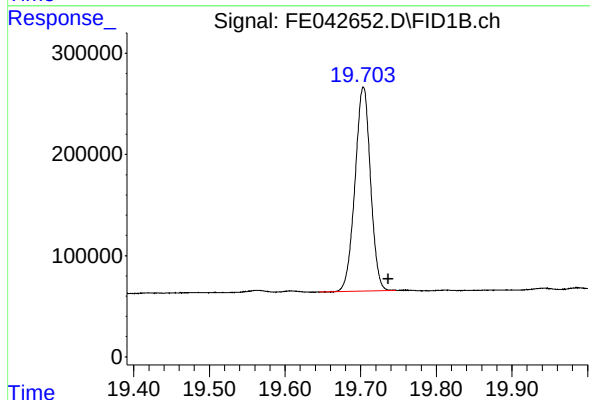
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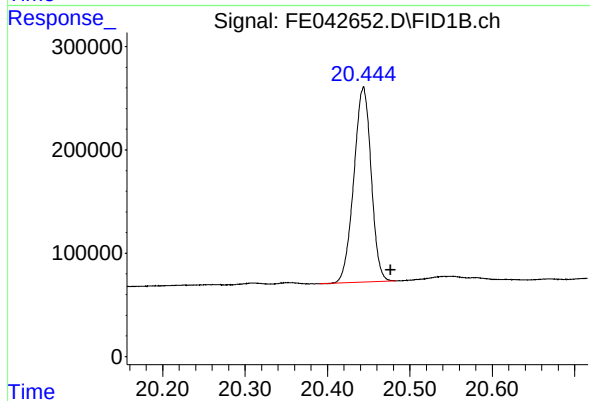
#18 n-Dotriacontane (C32)

R.T.: 18.919 min
Delta R.T.: -0.033 min
Response: 2996257
Conc: 22.43 ug/ml



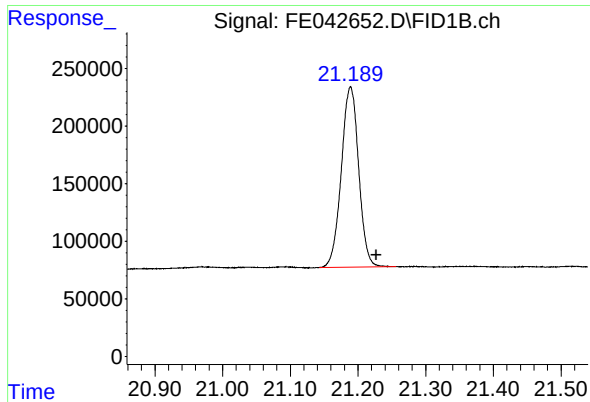
#19 n-Tetatriacontane (C34)

R.T.: 19.704 min
Delta R.T.: -0.033 min
Response: 2875326
Conc: 21.86 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.444 min
Delta R.T.: -0.033 min
Response: 2751751
Conc: 21.17 ug/ml



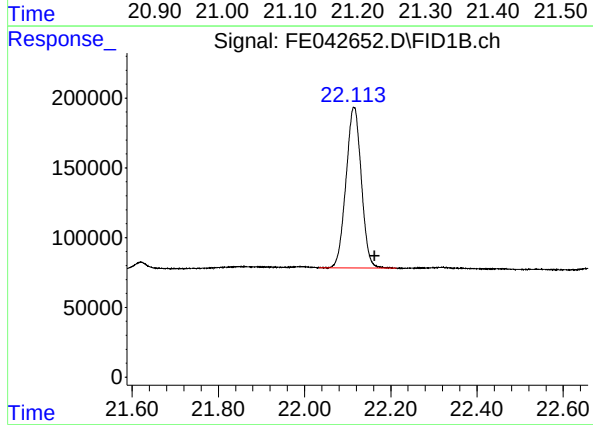
#21 n-Octatriacontane (C38)

R.T.: 21.189 min
Delta R.T.: -0.039 min
Response: 2798405
Conc: 20.63 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.115 min
Delta R.T.: -0.048 min
Response: 2847086
Conc: 20.47 ug/ml