

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061424AL\
 Data File : FE048737.D
 Signal(s) : FID1B.ch
 Acq On : 14 Jun 2024 19:56
 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 06/17/2024
 Supervised By :Ankita Jodhani 06/17/2024

Integration File: autoint1.e
 Quant Time: Jun 15 00:54:20 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 052524.M
 Quant Title : GC Extractables
 QLast Update : Fri May 24 16:28:51 2024
 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)	11.937	2663005	18.545 ug/ml
Spiked Amount 50.000		Recovery =	37.09%
12) S 1-chlorooctadecane (S...	13.372	2010572	18.455 ug/ml
Spiked Amount 50.000		Recovery =	36.91%
Target Compounds			
1) T n-Nonane (C9)	3.326	2451160	16.395 ug/ml
2) T n-Decane (C10)	4.575	2657000	17.596 ug/ml
3) T A~Naphthalene (C11.7)	6.280	2583786	17.353 ug/ml
4) T n-Dodecane (C12)	6.740	2650431	17.905 ug/ml
5) T A~2-methylnaphthalene...	7.376	2463751	17.769 ug/ml
6) T n-Tetradecane (C14)	8.568	2570495	18.123 ug/ml
7) T n-Hexadecane (C16)	10.175	2598183	18.430 ug/ml
8) T n-Octadecane (C18)	11.618	2569438	18.500 ug/ml
10) T n-Eicosane (C20)	12.927	2456347	18.562 ug/ml
11) T n-Heneicosane (C21)	13.538	2392902	18.474 ug/ml
13) T n-Docosane (C22)	14.123	2400447	18.628 ug/ml
14) T n-Tetracosane (C24)	15.225	2459535	18.985 ug/ml
15) T n-Hexacosane (C26)	16.245	2496010	19.258 ug/ml
16) T n-Octacosane (C28)	17.195	2604591	20.151 ug/ml
17) T n-Tricontane (C30)	18.082	2933712	21.900 ug/ml
18) T n-Dotriacontane (C32)	18.913	3072315	22.634 ug/ml
19) T n-Tetratriacontane (C34)	19.696	2928996	21.411 ug/ml
20) T n-Hexatriacontane (C36)	20.436	2698878	19.854 ug/ml
21) T n-Octatriacontane (C38)	21.172	2597170	19.045 ug/ml
22) T n-Tetracontane (C40)	22.086	2553824	18.652 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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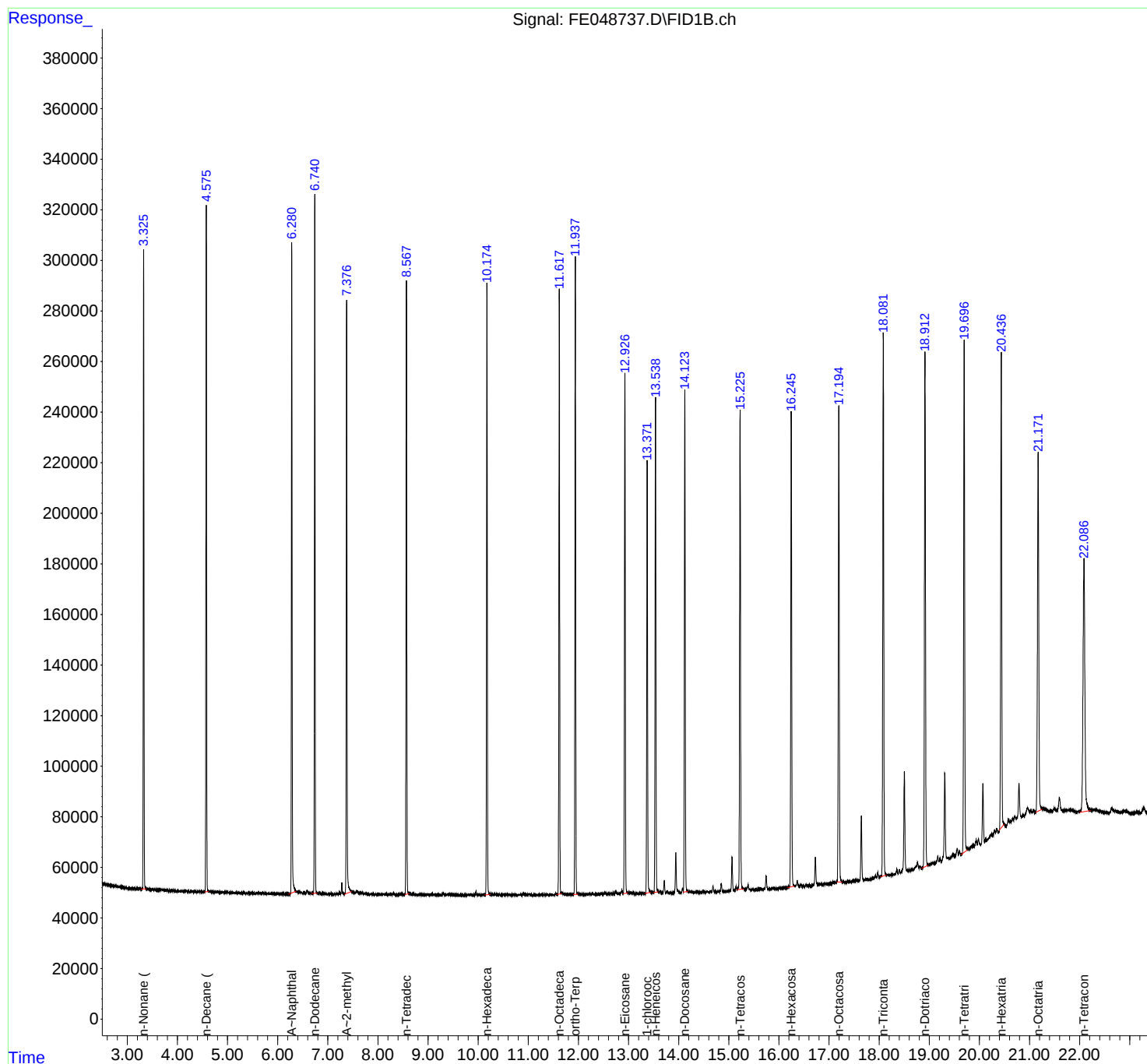
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20 PPM ALIPHATIC HC STD

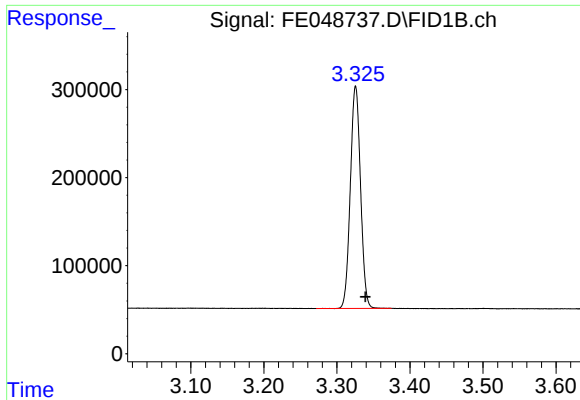
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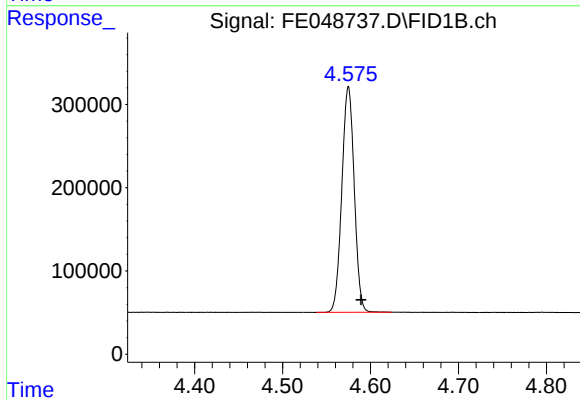
#1 n-Nonane (C9)

R.T.: 3.326 min
Delta R.T.: -0.013 min
Response: 2451160
Conc: 16.40 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

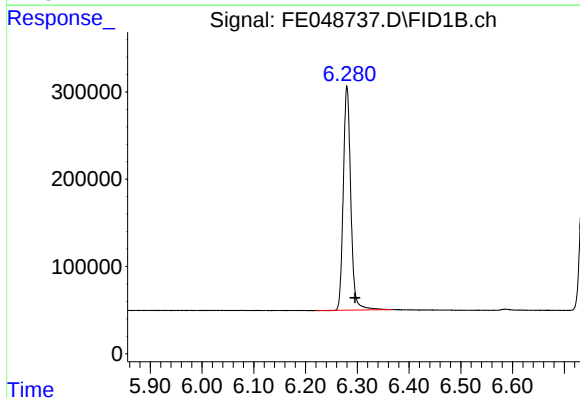
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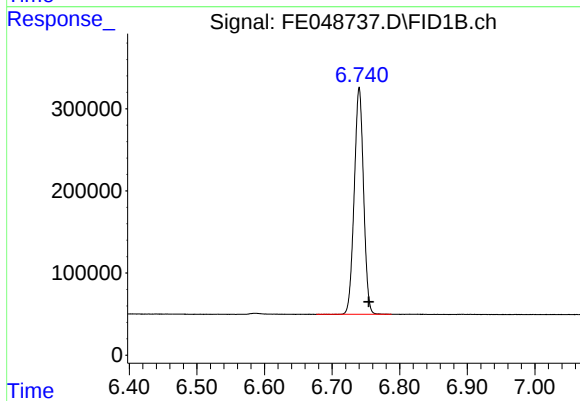
#2 n-Decane (C10)

R.T.: 4.575 min
Delta R.T.: -0.014 min
Response: 2657000
Conc: 17.60 ug/ml



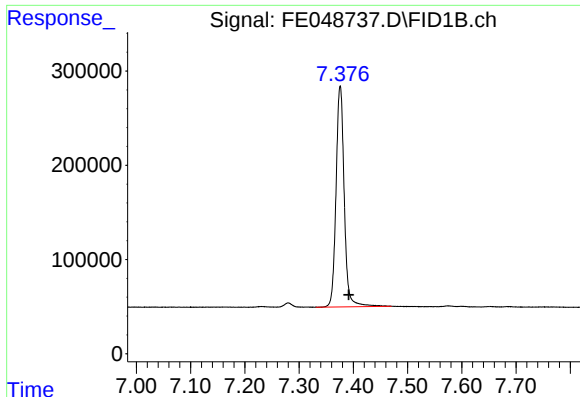
#3 A~Naphthalene (C11.7)

R.T.: 6.280 min
Delta R.T.: -0.016 min
Response: 2583786
Conc: 17.35 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.740 min
Delta R.T.: -0.014 min
Response: 2650431
Conc: 17.91 ug/ml



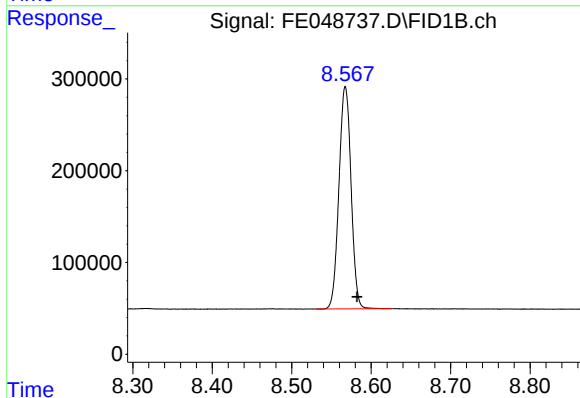
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.376 min
Delta R.T.: -0.015 min
Response: 2463751
Conc: 17.77 ug/ml

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20 PPM ALIPHATIC HC STD

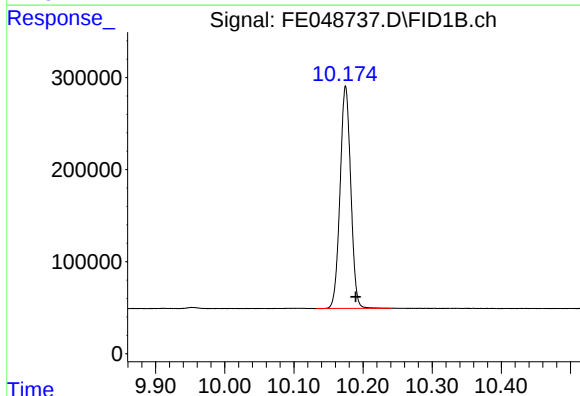
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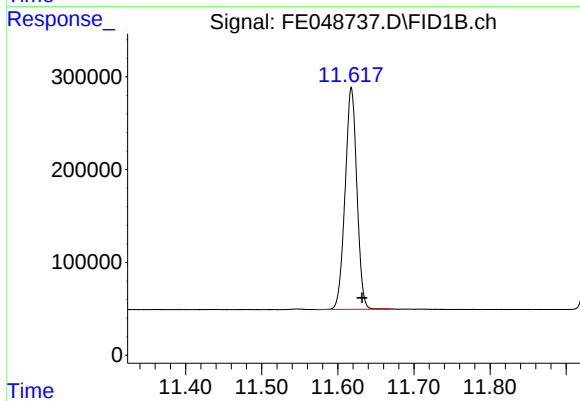
#6 n-Tetradecane (C14)

R.T.: 8.568 min
Delta R.T.: -0.015 min
Response: 2570495
Conc: 18.12 ug/ml



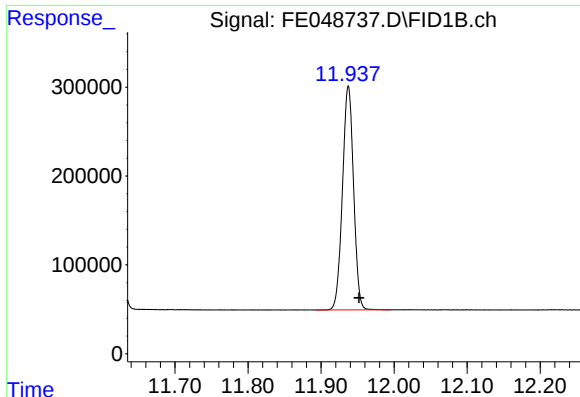
#7 n-Hexadecane (C16)

R.T.: 10.175 min
Delta R.T.: -0.014 min
Response: 2598183
Conc: 18.43 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.618 min
Delta R.T.: -0.014 min
Response: 2569438
Conc: 18.50 ug/ml



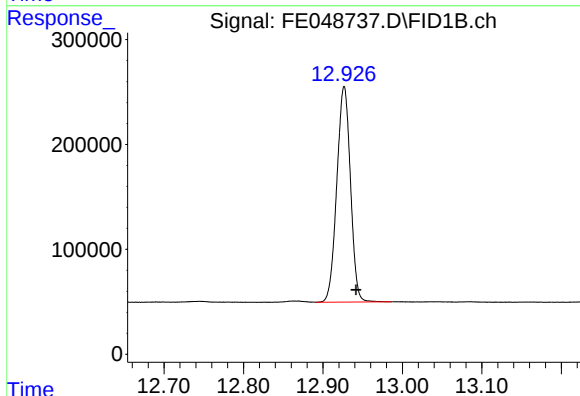
#9 ortho-Terphenyl (SURR)

R.T.: 11.937 min
Delta R.T.: -0.015 min
Response: 2663005
Conc: 18.55 ug/ml

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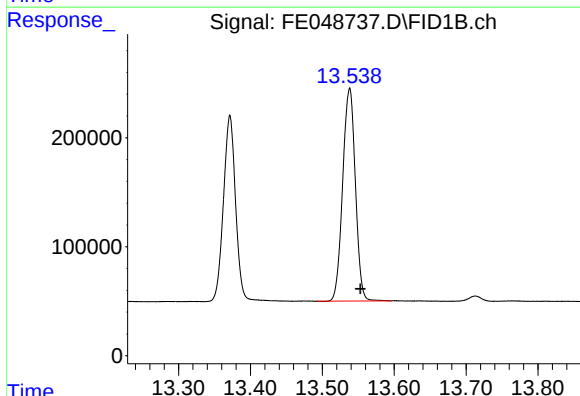
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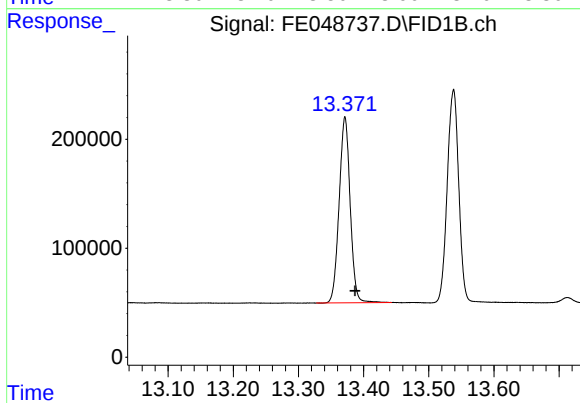
#10 n-Eicosane (C20)

R.T.: 12.927 min
Delta R.T.: -0.015 min
Response: 2456347
Conc: 18.56 ug/ml



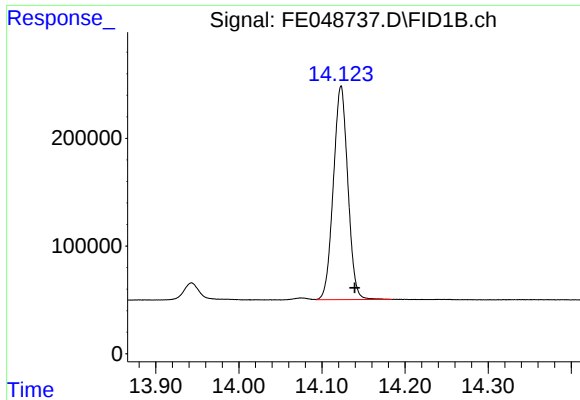
#11 n-Heneicosane (C21)

R.T.: 13.538 min
Delta R.T.: -0.015 min
Response: 2392902
Conc: 18.47 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.372 min
Delta R.T.: -0.015 min
Response: 2010572
Conc: 18.46 ug/ml



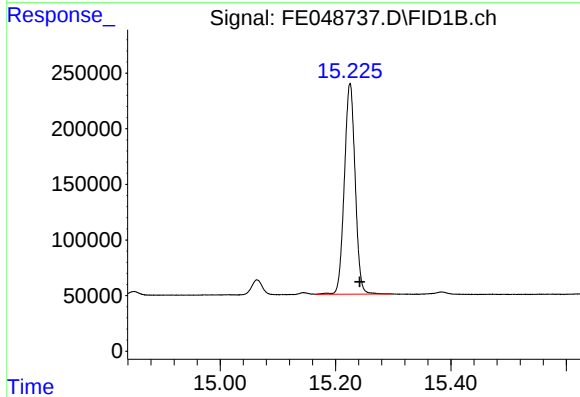
#13 n-Docosane (C22)

R.T.: 14.123 min
Delta R.T.: -0.016 min
Response: 2400447
Conc: 18.63 ug/ml

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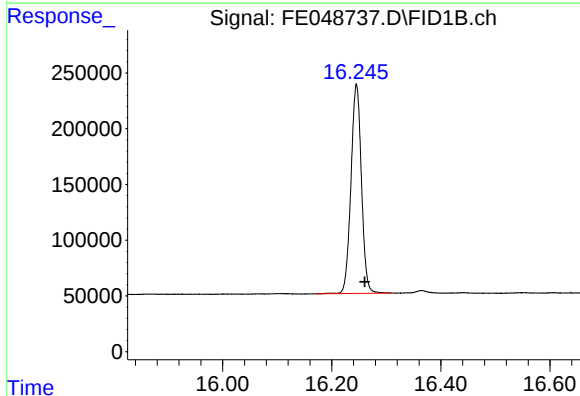
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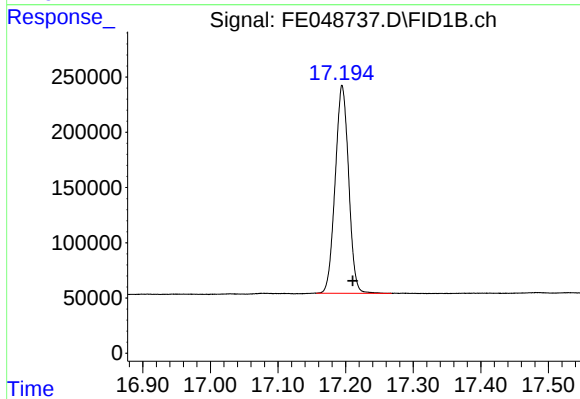
#14 n-Tetracosane (C24)

R.T.: 15.225 min
Delta R.T.: -0.017 min
Response: 2459535
Conc: 18.99 ug/ml



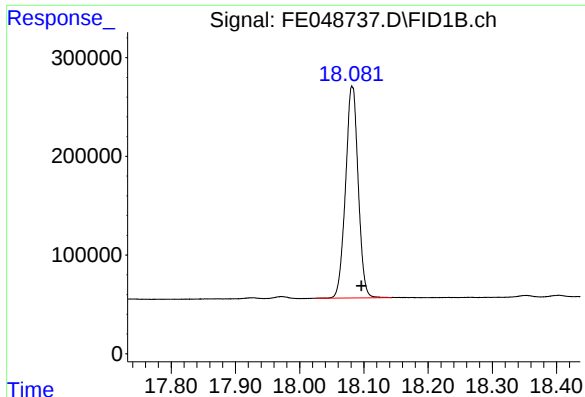
#15 n-Hexacosane (C26)

R.T.: 16.245 min
Delta R.T.: -0.015 min
Response: 2496010
Conc: 19.26 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.195 min
Delta R.T.: -0.015 min
Response: 2604591
Conc: 20.15 ug/ml



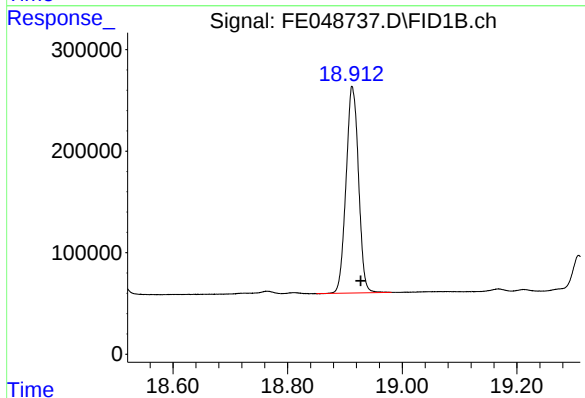
#17 n-Tricontane (C30)

R.T.: 18.082 min
Delta R.T.: -0.014 min
Response: 2933712
Conc: 21.90 ug/ml

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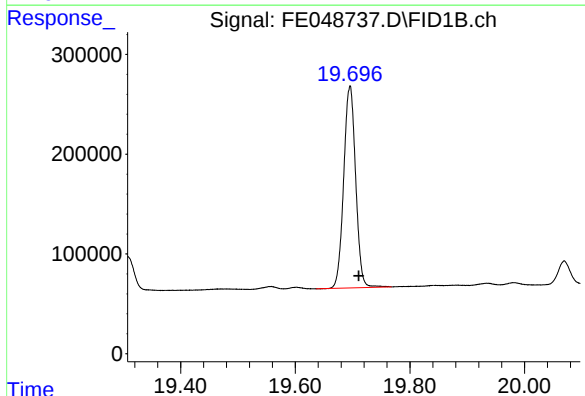
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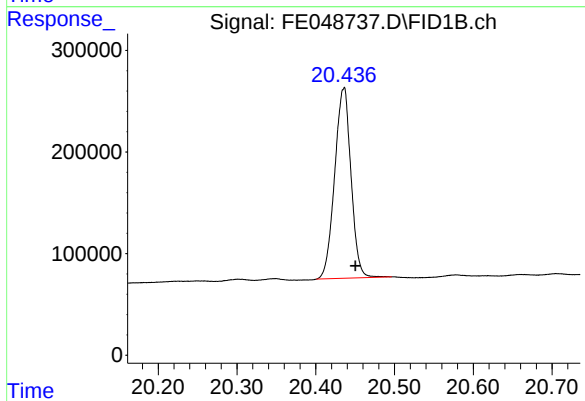
#18 n-Dotriacontane (C32)

R.T.: 18.913 min
Delta R.T.: -0.015 min
Response: 3072315
Conc: 22.63 ug/ml



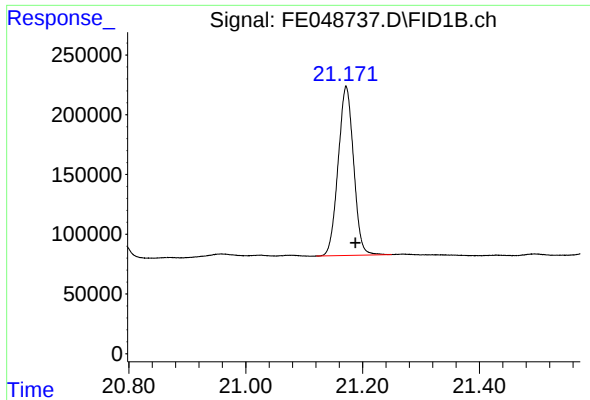
#19 n-Tetratriacontane (C34)

R.T.: 19.696 min
Delta R.T.: -0.015 min
Response: 2928996
Conc: 21.41 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.436 min
Delta R.T.: -0.015 min
Response: 2698878
Conc: 19.85 ug/ml



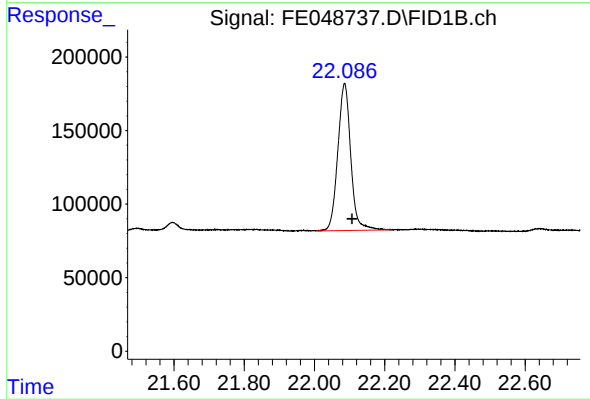
#21 n-Octatriacontane (C38)

R.T.: 21.172 min
Delta R.T.: -0.016 min
Response: 2597170
Conc: 19.04 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.086 min
Delta R.T.: -0.021 min
Response: 2553824
Conc: 18.65 ug/ml m