

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032825AL\
 Data File : FE053042.D
 Signal(s) : FID1B.ch
 Acq On : 28 Mar 2025 12:49
 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 03/31/2025
 Supervised By :mohammad ahmed 04/01/2025

Integration File: autoint1.e
 Quant Time: Mar 28 22:53:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 030325.M
 Quant Title : GC Extractables
 QLast Update : Mon Mar 03 13:39:39 2025
 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)	11.898	3359969	19.930 ug/ml
Spiked Amount 50.000		Recovery =	39.86%
12) S 1-chlorooctadecane (S...	13.342	2506454	20.642 ug/ml
Spiked Amount 50.000		Recovery =	41.28%
Target Compounds			
1) T n-Nonane (C9)	3.242	2996280	19.325 ug/ml
2) T n-Decane (C10)	4.503	3208216	20.422 ug/ml
3) T A~Naphthalene (C11.7)	6.216	3437815	20.271 ug/ml
4) T n-Dodecane (C12)	6.684	3216735	20.660 ug/ml
5) T A~2-methylnaphthalene...	7.318	3308480	20.415 ug/ml
6) T n-Tetradecane (C14)	8.521	3153540	20.842 ug/ml
7) T n-Hexadecane (C16)	10.135	3229759	21.125 ug/ml
8) T n-Octadecane (C18)	11.583	3189815	20.966 ug/ml
10) T n-Eicosane (C20)	12.897	3020361	20.805 ug/ml
11) T n-Heneicosane (C21)	13.511	2931978	20.600 ug/ml
13) T n-Docosane (C22)	14.100	2920400	20.521 ug/ml
14) T n-Tetracosane (C24)	15.205	2962066	20.698 ug/ml
15) T n-Hexacosane (C26)	16.229	2955573	20.785 ug/ml
16) T n-Octacosane (C28)	17.180	3094350	21.761 ug/ml
17) T n-Tricontane (C30)	18.071	3430552	23.226 ug/ml
18) T n-Dotriacontane (C32)	18.905	3507036	24.157 ug/mlm
19) T n-Tetratriacontane (C34)	19.689	3137688	23.280 ug/ml
20) T n-Hexatriacontane (C36)	20.431	2687470	22.617 ug/mlm
21) T n-Octatriacontane (C38)	21.171	2546588	22.955 ug/ml
22) T n-Tetracontane (C40)	22.086	2453032	22.689 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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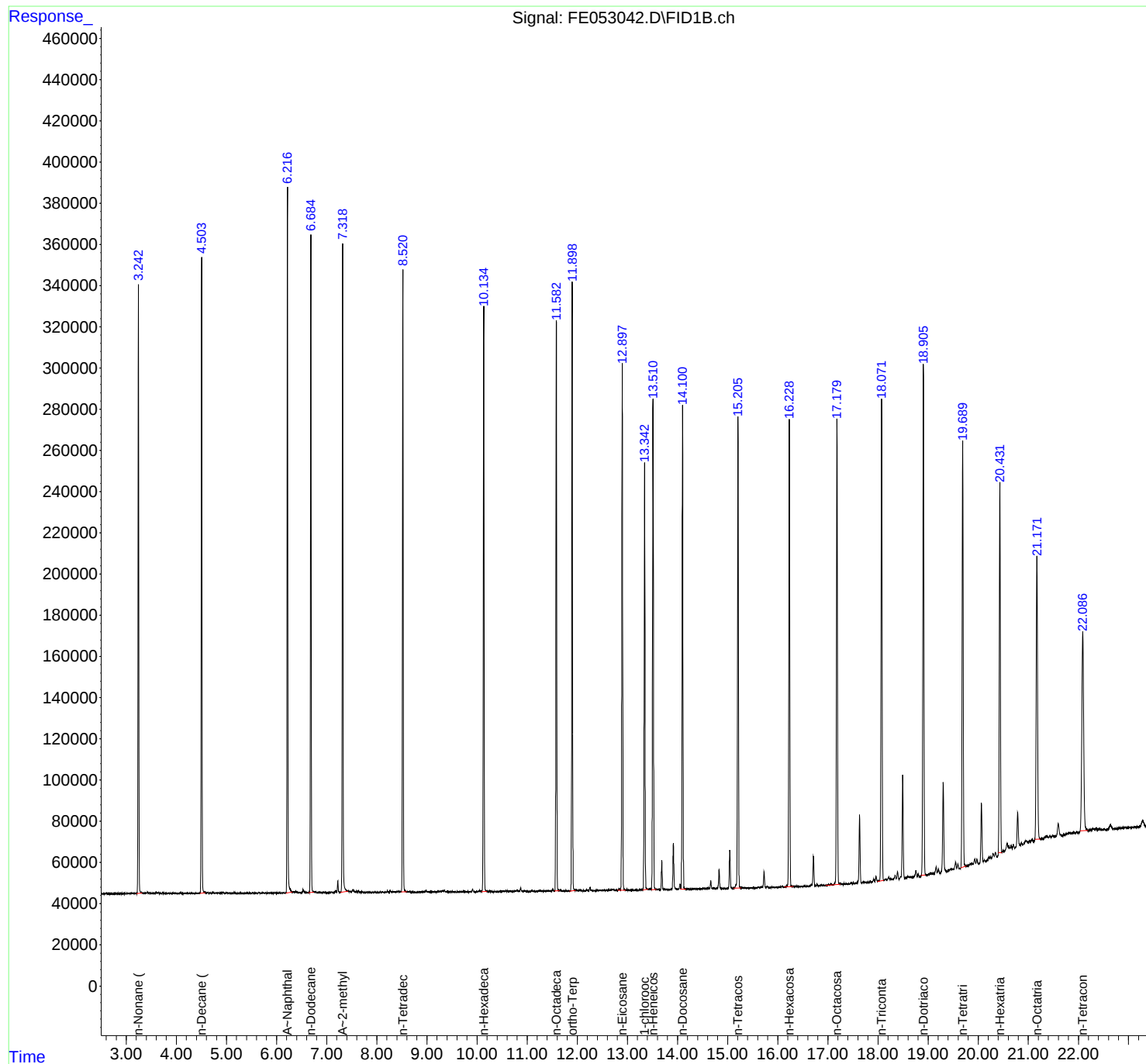
Instrument :
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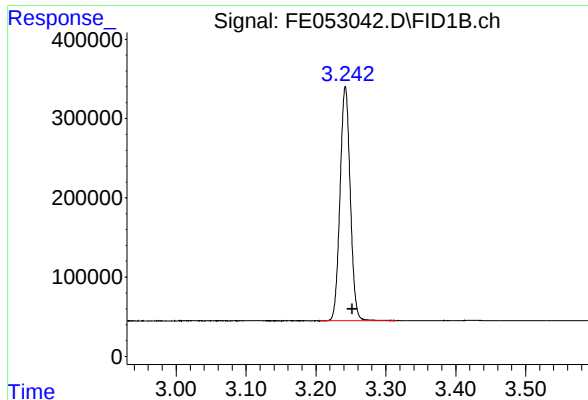
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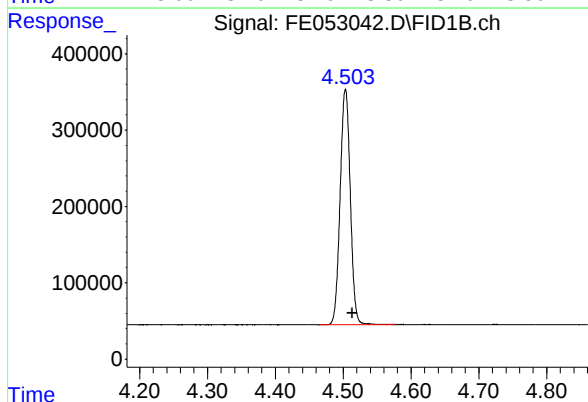
#1 n-Nonane (C9)

R.T.: 3.242 min
Delta R.T.: -0.010 min
Response: 2996280
Conc: 19.32 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

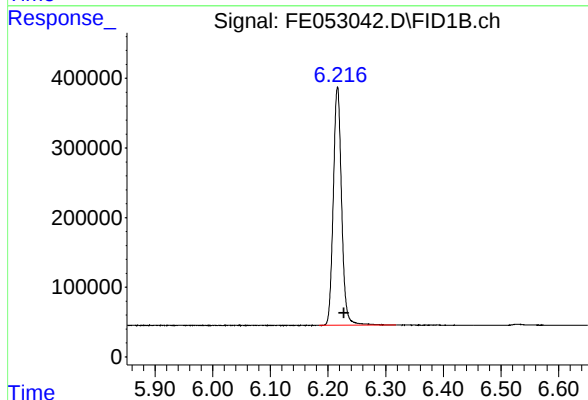
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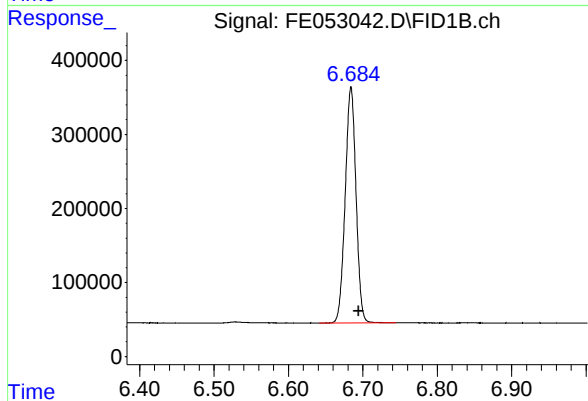
#2 n-Decane (C10)

R.T.: 4.503 min
Delta R.T.: -0.010 min
Response: 3208216
Conc: 20.42 ug/ml



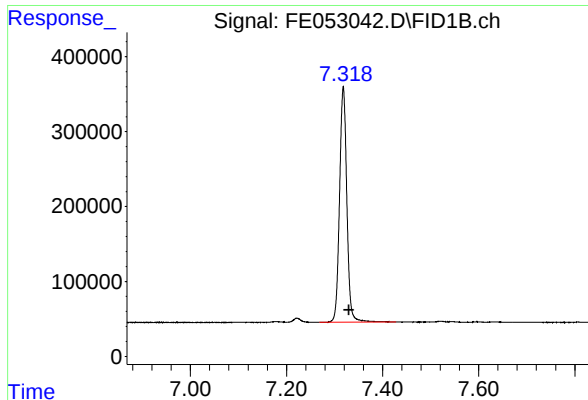
#3 A~Naphthalene (C11.7)

R.T.: 6.216 min
Delta R.T.: -0.011 min
Response: 3437815
Conc: 20.27 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.684 min
Delta R.T.: -0.011 min
Response: 3216735
Conc: 20.66 ug/ml



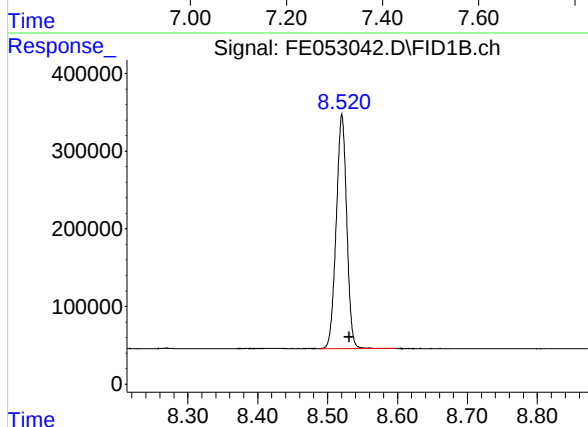
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.318 min
Delta R.T.: -0.011 min
Response: 3308480
Conc: 20.42 ug/ml

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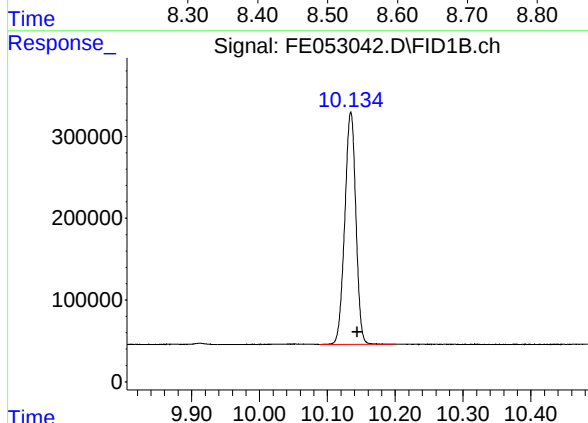
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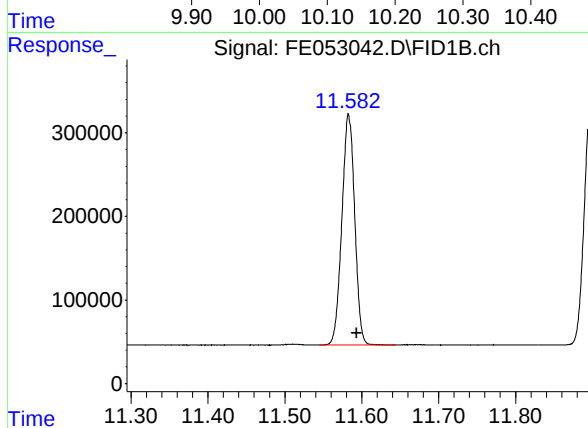
#6 n-Tetradecane (C14)

R.T.: 8.521 min
Delta R.T.: -0.010 min
Response: 3153540
Conc: 20.84 ug/ml



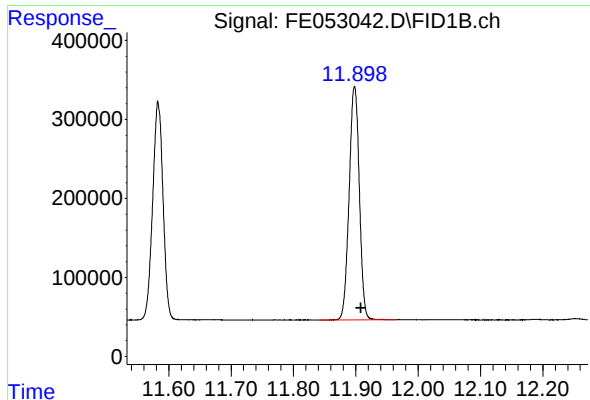
#7 n-Hexadecane (C16)

R.T.: 10.135 min
Delta R.T.: -0.010 min
Response: 3229759
Conc: 21.13 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.583 min
Delta R.T.: -0.010 min
Response: 3189815
Conc: 20.97 ug/ml



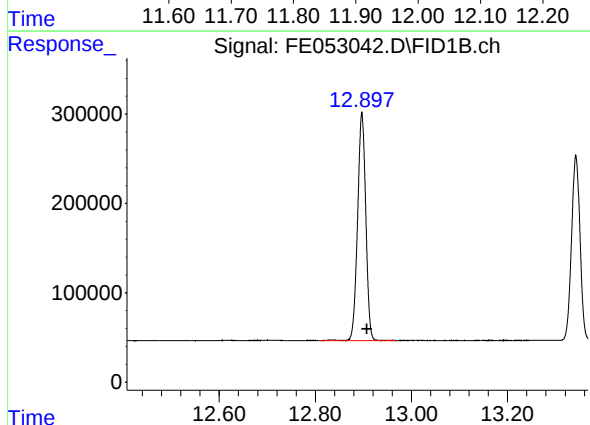
#9 ortho-Terphenyl (SURR)

R.T.: 11.898 min
Delta R.T.: -0.011 min
Response: 3359969
Conc: 19.93 ug/ml

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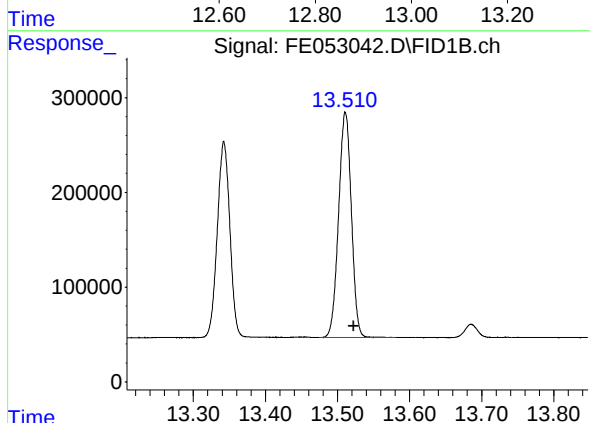
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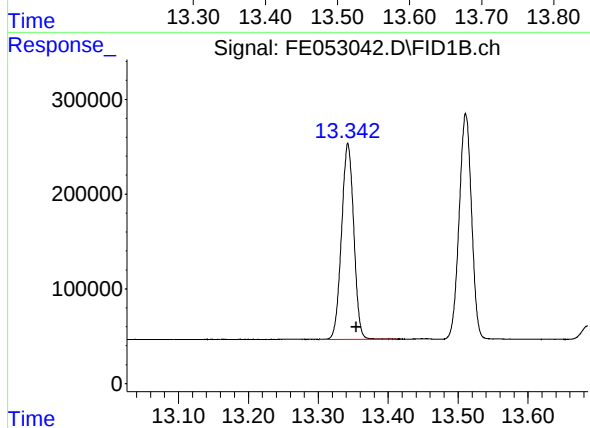
#10 n-Eicosane (C20)

R.T.: 12.897 min
Delta R.T.: -0.011 min
Response: 3020361
Conc: 20.81 ug/ml



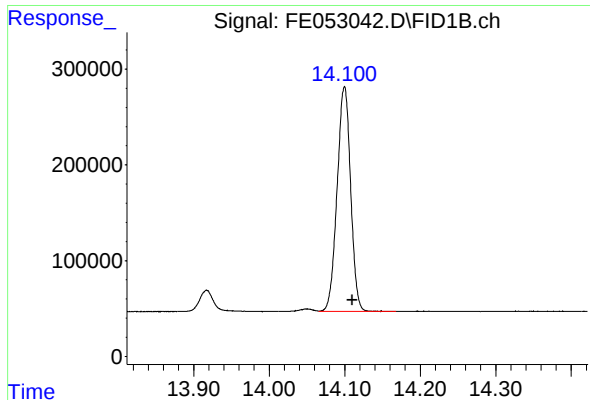
#11 n-Heneicosane (C21)

R.T.: 13.511 min
Delta R.T.: -0.011 min
Response: 2931978
Conc: 20.60 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.342 min
Delta R.T.: -0.012 min
Response: 2506454
Conc: 20.64 ug/ml



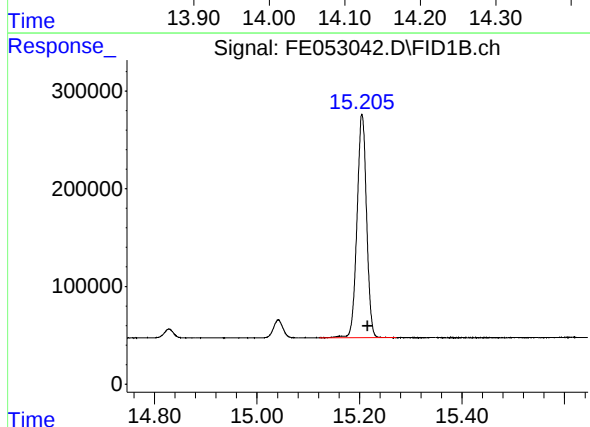
#13 n-Docosane (C22)

R.T.: 14.100 min
Delta R.T.: -0.011 min
Response: 2920400
Conc: 20.52 ug/ml

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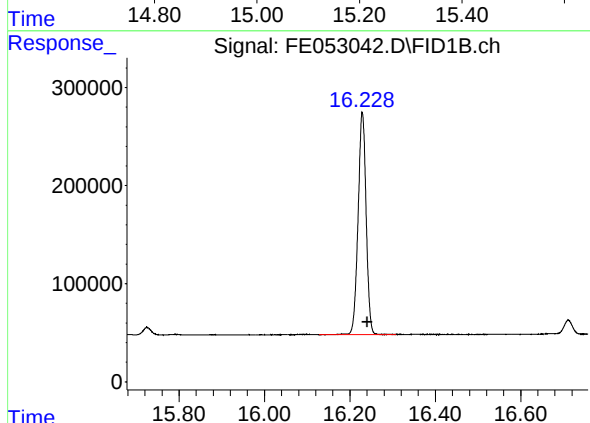
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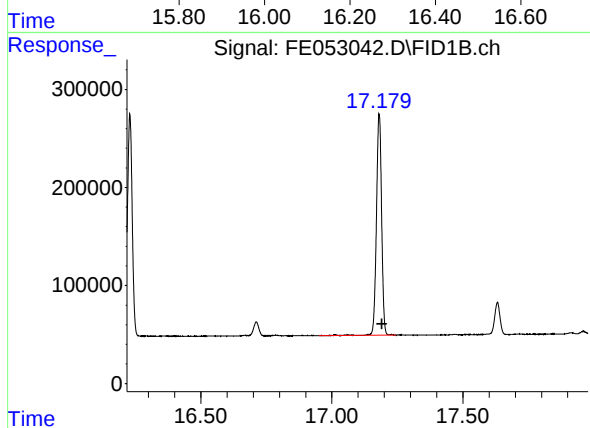
#14 n-Tetracosane (C24)

R.T.: 15.205 min
Delta R.T.: -0.011 min
Response: 2962066
Conc: 20.70 ug/ml



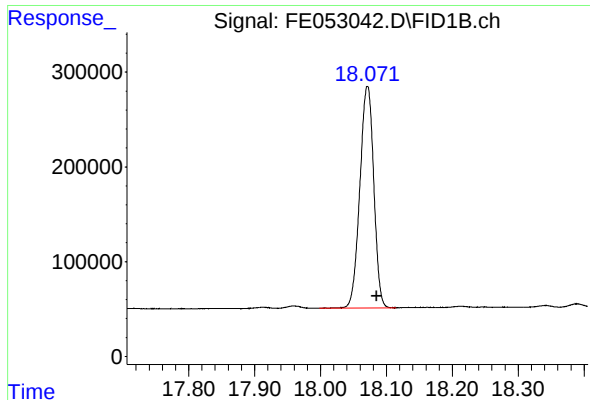
#15 n-Hexacosane (C26)

R.T.: 16.229 min
Delta R.T.: -0.011 min
Response: 2955573
Conc: 20.79 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.180 min
Delta R.T.: -0.012 min
Response: 3094350
Conc: 21.76 ug/ml



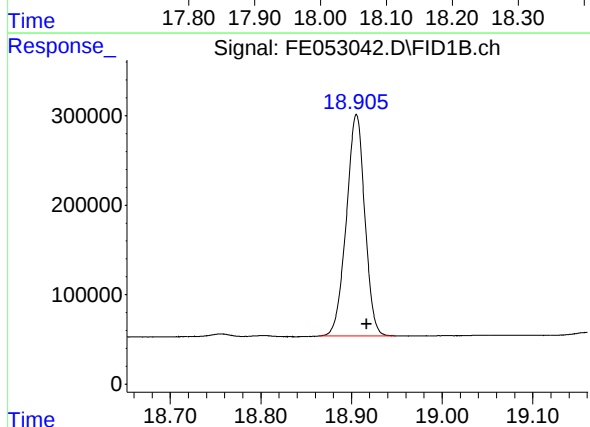
#17 n-Tricontane (C30)

R.T.: 18.071 min
Delta R.T.: -0.014 min
Response: 3430552
Conc: 23.23 ug/ml

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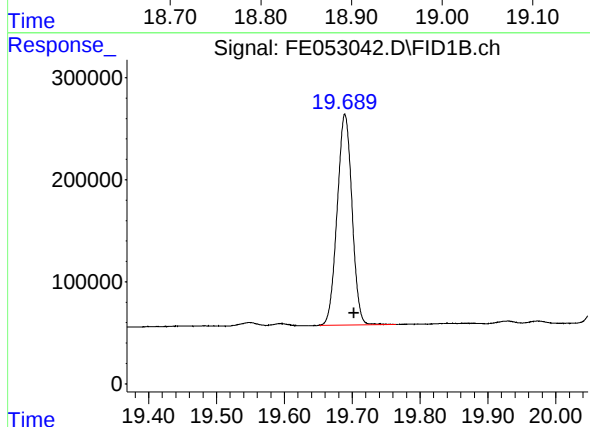
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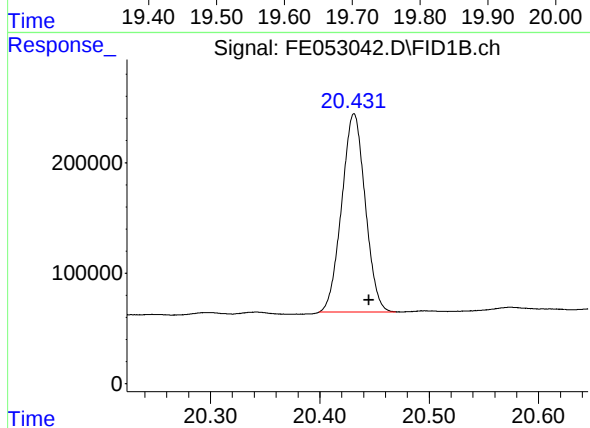
#18 n-Dotriacontane (C32)

R.T.: 18.905 min
Delta R.T.: -0.012 min
Response: 3507036
Conc: 24.16 ug/ml m



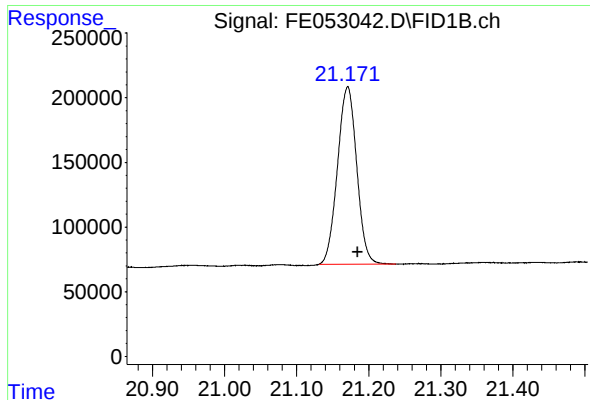
#19 n-Tetratriacontane (C34)

R.T.: 19.689 min
Delta R.T.: -0.013 min
Response: 3137688
Conc: 23.28 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.431 min
Delta R.T.: -0.014 min
Response: 2687470
Conc: 22.62 ug/ml m



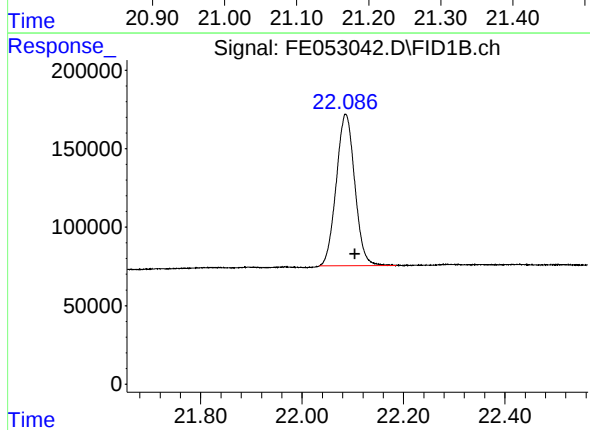
#21 n-Octatriacontane (C38)

R.T.: 21.171 min
Delta R.T.: -0.014 min
Response: 2546588
Conc: 22.96 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.086 min
Delta R.T.: -0.019 min
Response: 2453032
Conc: 22.69 ug/ml