

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112923AL\
 Data File : FE045582.D
 Signal(s) : FID1B.ch
 Acq On : 29 Nov 2023 19:51
 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 11/30/2023
 Supervised By :Ankita Jodhani 11/30/2023

Integration File: autoint1.e
 Quant Time: Nov 29 23:48:57 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110423.M
 Quant Title : GC Extractables
 QLast Update : Sat Nov 04 05:16:05 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)	11.863	3914135	20.501 ug/ml
Spiked Amount 50.000		Recovery =	41.00%
12) S 1-chlorooctadecane (S...	13.307	2813357	20.425 ug/ml
Spiked Amount 50.000		Recovery =	40.85%
Target Compounds			
1) T n-Nonane (C9)	3.252	3375232	20.431 ug/ml
2) T n-Decane (C10)	4.503	3474391	20.720 ug/ml
3) T A~Naphthalene (C11.7)	6.202	3653078	20.466 ug/ml
4) T n-Dodecane (C12)	6.669	3491635	20.675 ug/ml
5) T A~2-methylnaphthalene...	7.298	3500050	20.383 ug/ml
6) T n-Tetradecane (C14)	8.495	3422072	20.533 ug/ml
7) T n-Hexadecane (C16)	10.106	3445420	20.484 ug/ml
8) T n-Octadecane (C18)	11.551	3407683	20.360 ug/ml
10) T n-Eicosane (C20)	12.862	3232269	20.405 ug/ml
11) T n-Heneicosane (C21)	13.475	3155300	20.521 ug/ml
13) T n-Docosane (C22)	14.062	3113241	20.547 ug/ml
14) T n-Tetracosane (C24)	15.166	3113827	21.024 ug/ml
15) T n-Hexacosane (C26)	16.190	3057529	20.977 ug/ml
16) T n-Octacosane (C28)	17.140	3066208	20.983 ug/ml
17) T n-Tricontane (C30)	18.029	3191244	21.009 ug/ml
18) T n-Dotriacontane (C32)	18.863	3251882	20.816 ug/ml
19) T n-Tetratriacontane (C34)	19.649	3163459	20.261 ug/mlm
20) T n-Hexatriacontane (C36)	20.392	3246643	20.002 ug/mlm
21) T n-Octatriacontane (C38)	21.126	3442951	20.723 ug/ml
22) T n-Tetracontane (C40)	22.030	3192473	18.690 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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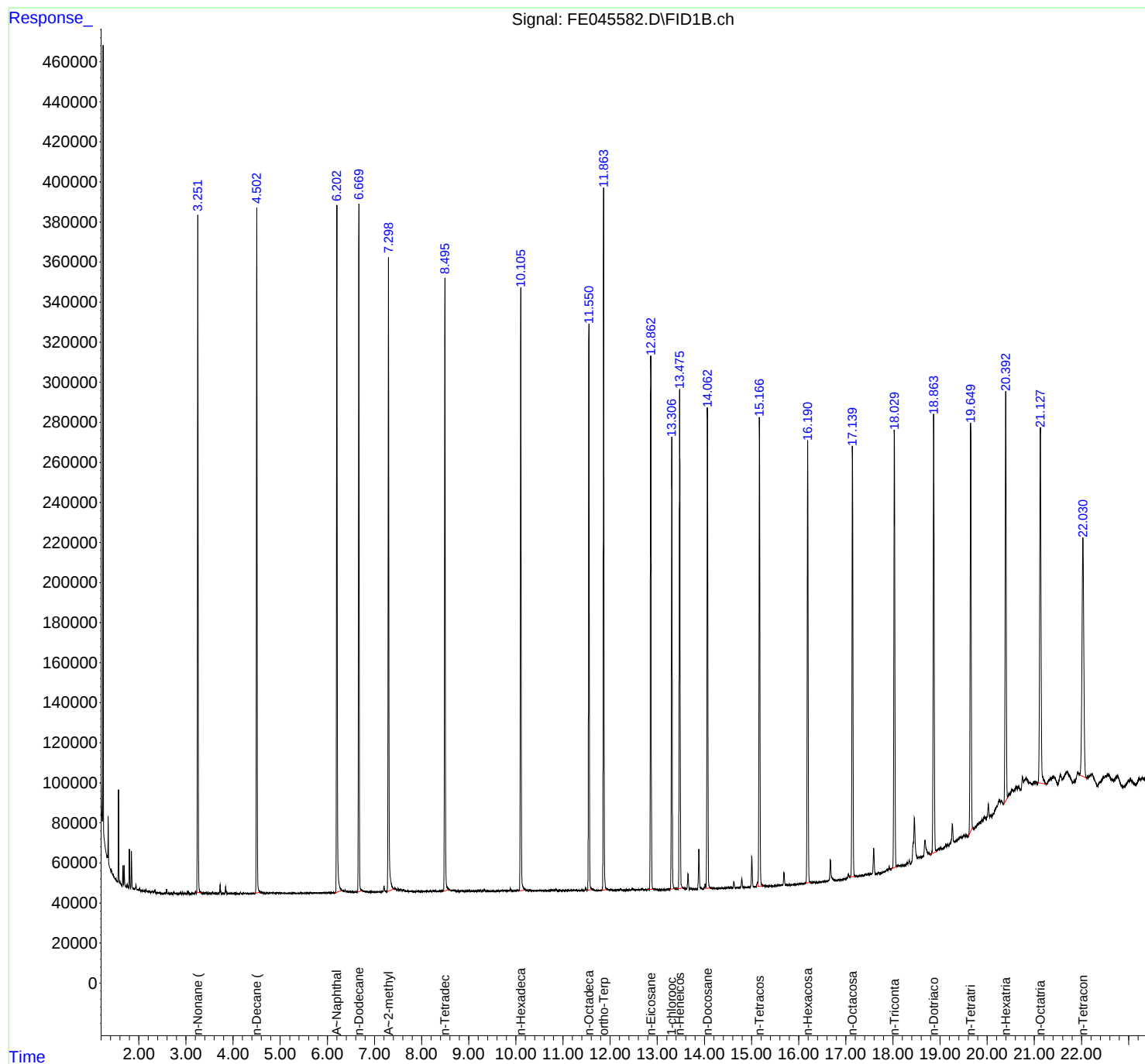
Instrument :
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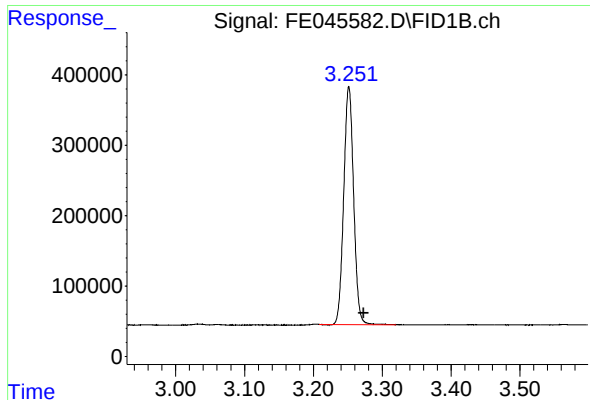
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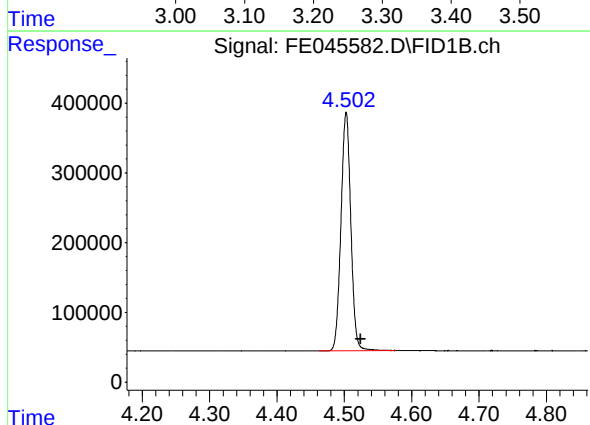
#1 n-Nonane (C9)

R.T.: 3.252 min
Delta R.T.: -0.021 min
Response: 3375232
Conc: 20.43 ug/ml

Instrument : FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

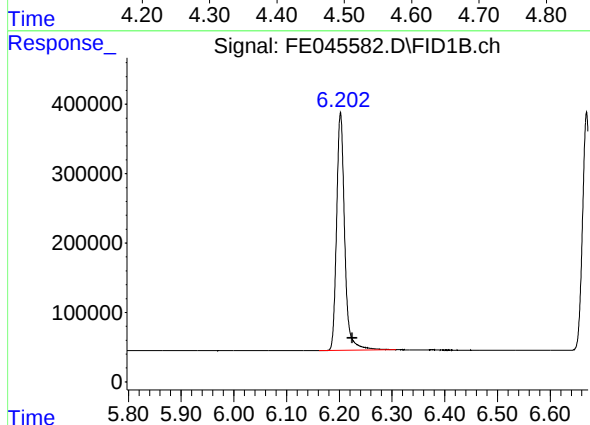
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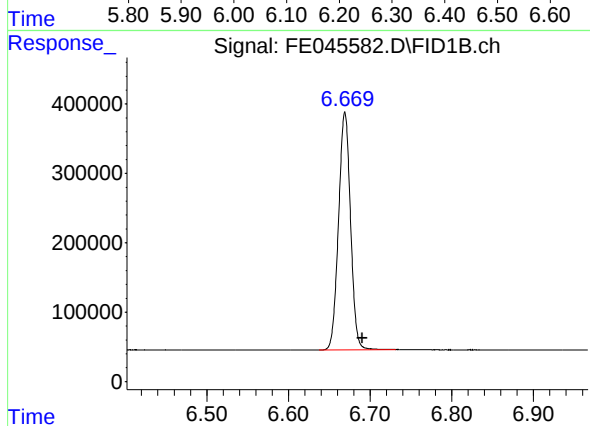
#2 n-Decane (C10)

R.T.: 4.503 min
Delta R.T.: -0.022 min
Response: 3474391
Conc: 20.72 ug/ml



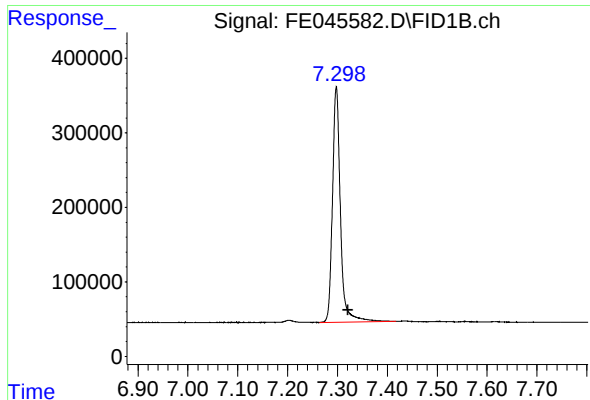
#3 A~Naphthalene (C11.7)

R.T.: 6.202 min
Delta R.T.: -0.022 min
Response: 3653078
Conc: 20.47 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.669 min
Delta R.T.: -0.021 min
Response: 3491635
Conc: 20.67 ug/ml



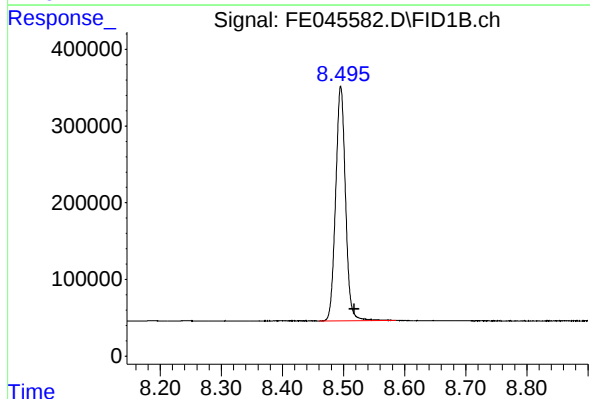
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.298 min
Delta R.T.: -0.023 min
Response: 3500050
Conc: 20.38 ug/ml

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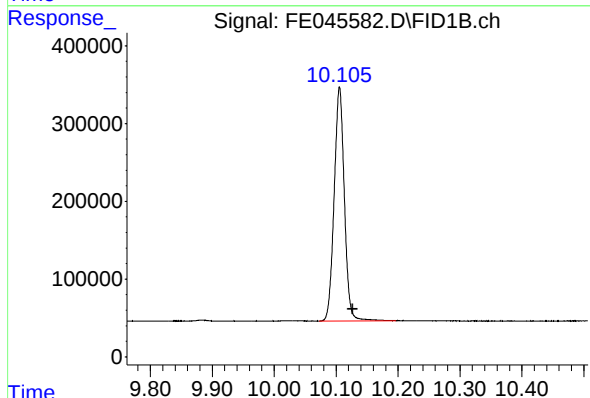
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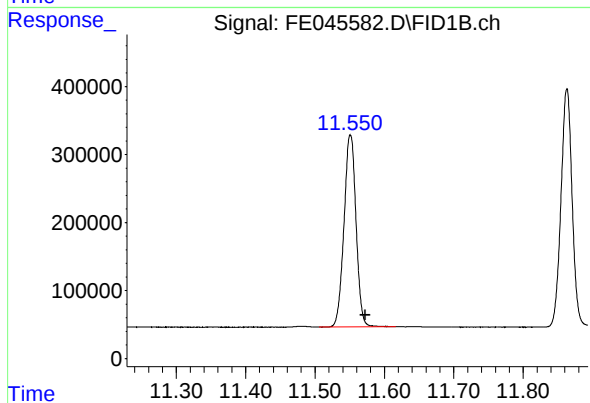
#6 n-Tetradecane (C14)

R.T.: 8.495 min
Delta R.T.: -0.022 min
Response: 3422072
Conc: 20.53 ug/ml



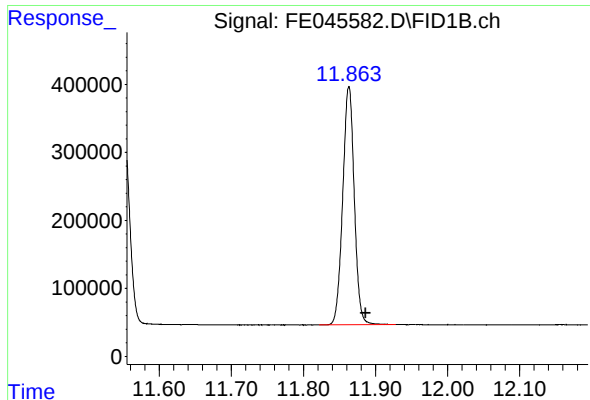
#7 n-Hexadecane (C16)

R.T.: 10.106 min
Delta R.T.: -0.021 min
Response: 3445420
Conc: 20.48 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.551 min
Delta R.T.: -0.022 min
Response: 3407683
Conc: 20.36 ug/ml



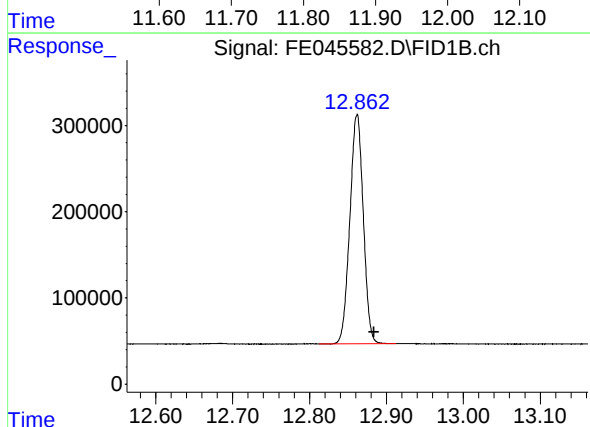
#9 ortho-Terphenyl (SURR)

R.T.: 11.863 min
Delta R.T.: -0.023 min
Response: 3914135
Conc: 20.50 ug/ml

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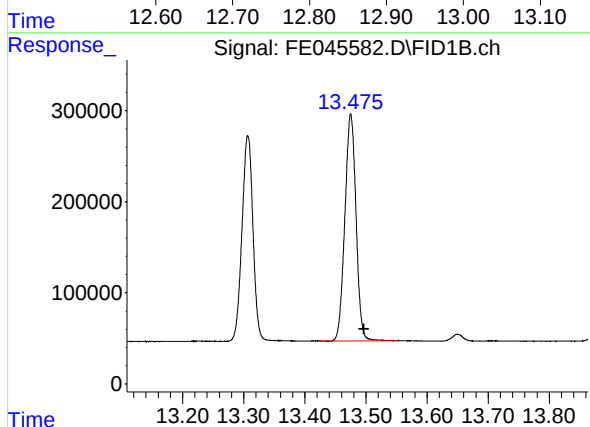
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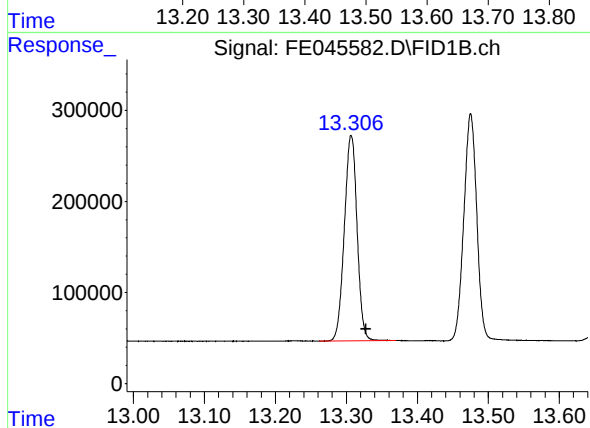
#10 n-Eicosane (C20)

R.T.: 12.862 min
Delta R.T.: -0.022 min
Response: 3232269
Conc: 20.40 ug/ml



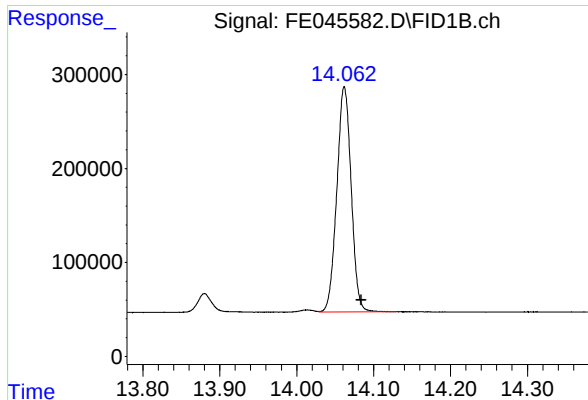
#11 n-Heneicosane (C21)

R.T.: 13.475 min
Delta R.T.: -0.022 min
Response: 3155300
Conc: 20.52 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.307 min
Delta R.T.: -0.021 min
Response: 2813357
Conc: 20.43 ug/ml



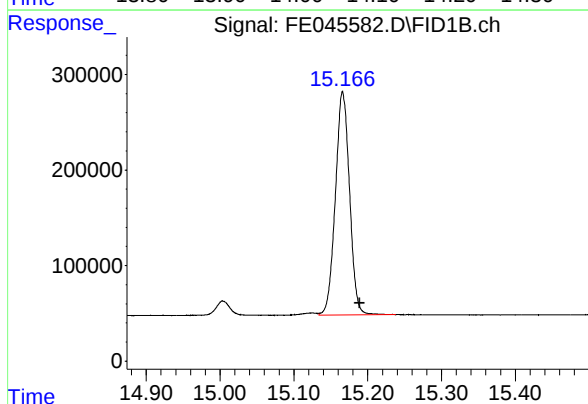
#13 n-Docosane (C22)

R.T.: 14.062 min
Delta R.T.: -0.022 min
Response: 3113241
Conc: 20.55 ug/ml

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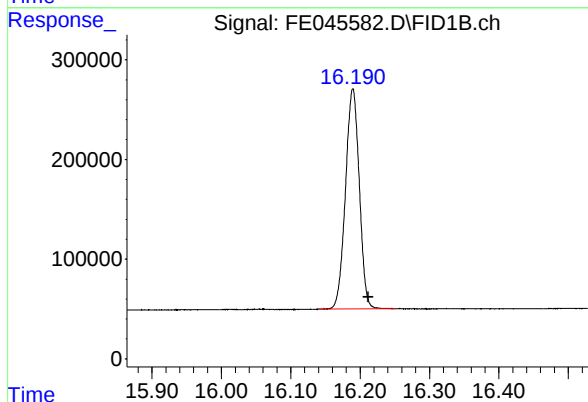
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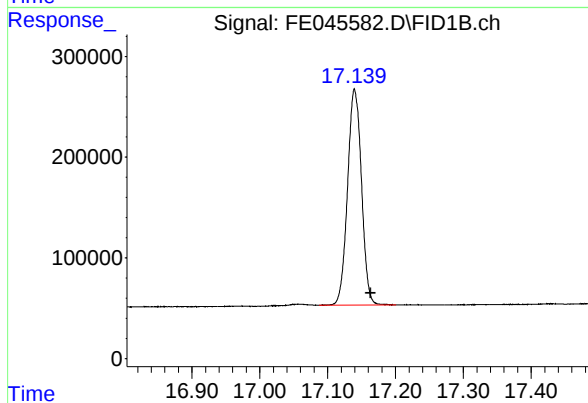
#14 n-Tetracosane (C24)

R.T.: 15.166 min
Delta R.T.: -0.023 min
Response: 3113827
Conc: 21.02 ug/ml



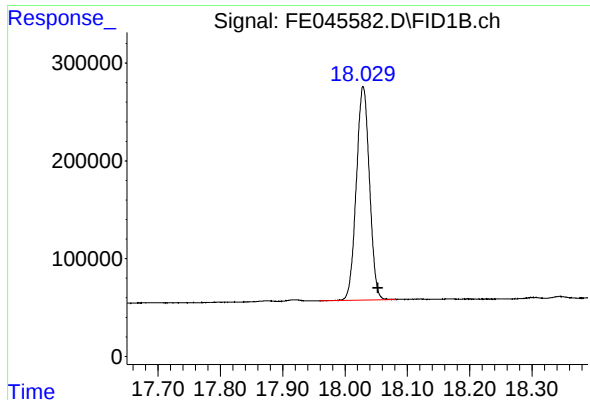
#15 n-Hexacosane (C26)

R.T.: 16.190 min
Delta R.T.: -0.022 min
Response: 3057529
Conc: 20.98 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.140 min
Delta R.T.: -0.024 min
Response: 3066208
Conc: 20.98 ug/ml



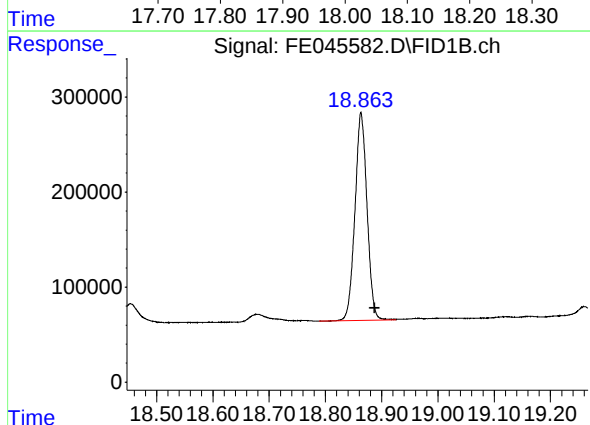
#17 n-Tricontane (C30)

R.T.: 18.029 min
Delta R.T.: -0.024 min
Response: 3191244
Conc: 21.01 ug/ml

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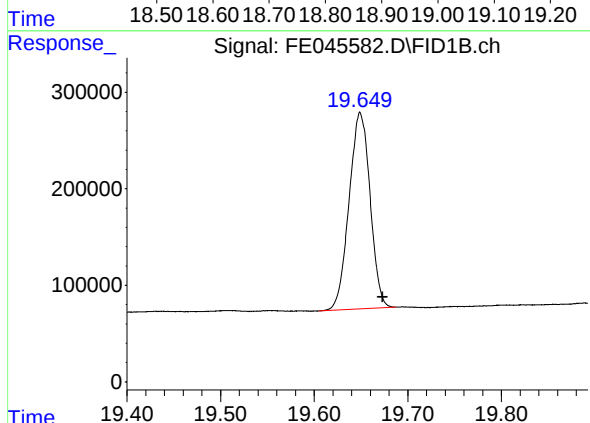
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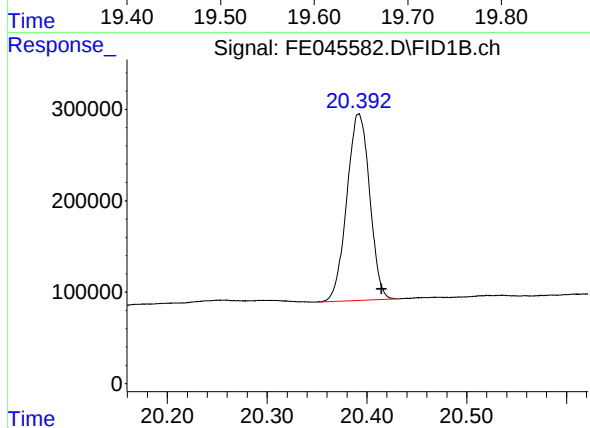
#18 n-Dotriacontane (C32)

R.T.: 18.863 min
Delta R.T.: -0.024 min
Response: 3251882
Conc: 20.82 ug/ml



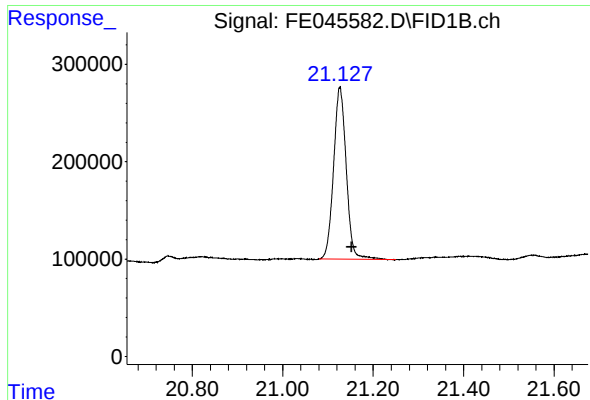
#19 n-Tetratriacontane (C34)

R.T.: 19.649 min
Delta R.T.: -0.025 min
Response: 3163459
Conc: 20.26 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.392 min
Delta R.T.: -0.023 min
Response: 3246643
Conc: 20.00 ug/ml m



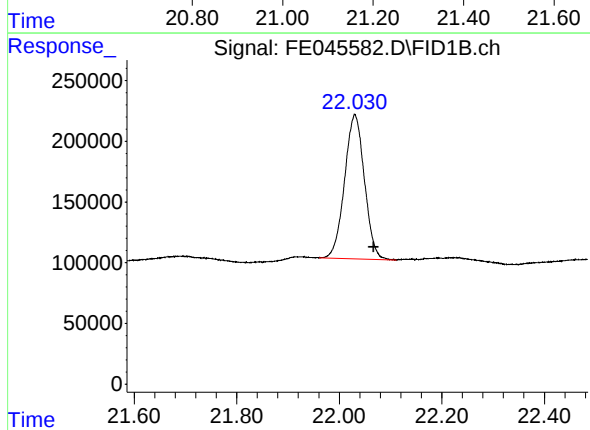
#21 n-Octatriacontane (C38)

R.T.: 21.126 min
Delta R.T.: -0.026 min
Response: 3442951
Conc: 20.72 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.030 min
Delta R.T.: -0.038 min
Response: 3192473
Conc: 18.69 ug/ml m