

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE121123AL\
 Data File : FE045750.D
 Signal(s) : FID1B.ch
 Acq On : 11 Dec 2023 08:56
 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 12/12/2023
 Supervised By :Ankita Jodhani 12/12/2023

Integration File: autoint1.e
 Quant Time: Dec 11 23:43:45 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 113023.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 30 12:25:07 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)	11.862	4329638	20.704 ug/ml
Spiked Amount 50.000		Recovery =	41.41%
12) S 1-chlorooctadecane (S...	13.305	3213854	20.425 ug/ml
Spiked Amount 50.000		Recovery =	40.85%
Target Compounds			
1) T n-Nonane (C9)	3.243	3555224	22.420 ug/ml
2) T n-Decane (C10)	4.494	3667448	22.902 ug/ml
3) T A~Naphthalene (C11.7)	6.197	3981003	22.854 ug/ml
4) T n-Dodecane (C12)	6.662	3697454	22.890 ug/ml
5) T A~2-methylnaphthalene...	7.294	3870817	22.794 ug/ml
6) T n-Tetradecane (C14)	8.490	3664871	22.845 ug/ml
7) T n-Hexadecane (C16)	10.101	3730132	22.526 ug/ml
8) T n-Octadecane (C18)	11.548	3726045	21.733 ug/ml
10) T n-Eicosane (C20)	12.859	3596625	20.787 ug/ml
11) T n-Heneicosane (C21)	13.473	3514779	20.431 ug/ml
13) T n-Docosane (C22)	14.061	3492001	20.253 ug/ml
14) T n-Tetracosane (C24)	15.167	3461518	19.828 ug/ml
15) T n-Hexacosane (C26)	16.191	3377483	19.394 ug/ml
16) T n-Octacosane (C28)	17.144	3360324	19.443 ug/ml
17) T n-Tricontane (C30)	18.036	3448224	19.710 ug/ml
18) T n-Dotriacontane (C32)	18.873	3436855	18.839 ug/mlm
19) T n-Tetratriacontane (C34)	19.659	3267749	19.693 ug/ml
20) T n-Hexatriacontane (C36)	20.403	3084516	19.432 ug/mlm
21) T n-Octatriacontane (C38)	21.138	3324823	21.202 ug/ml
22) T n-Tetracontane (C40)	22.054	3297096	23.200 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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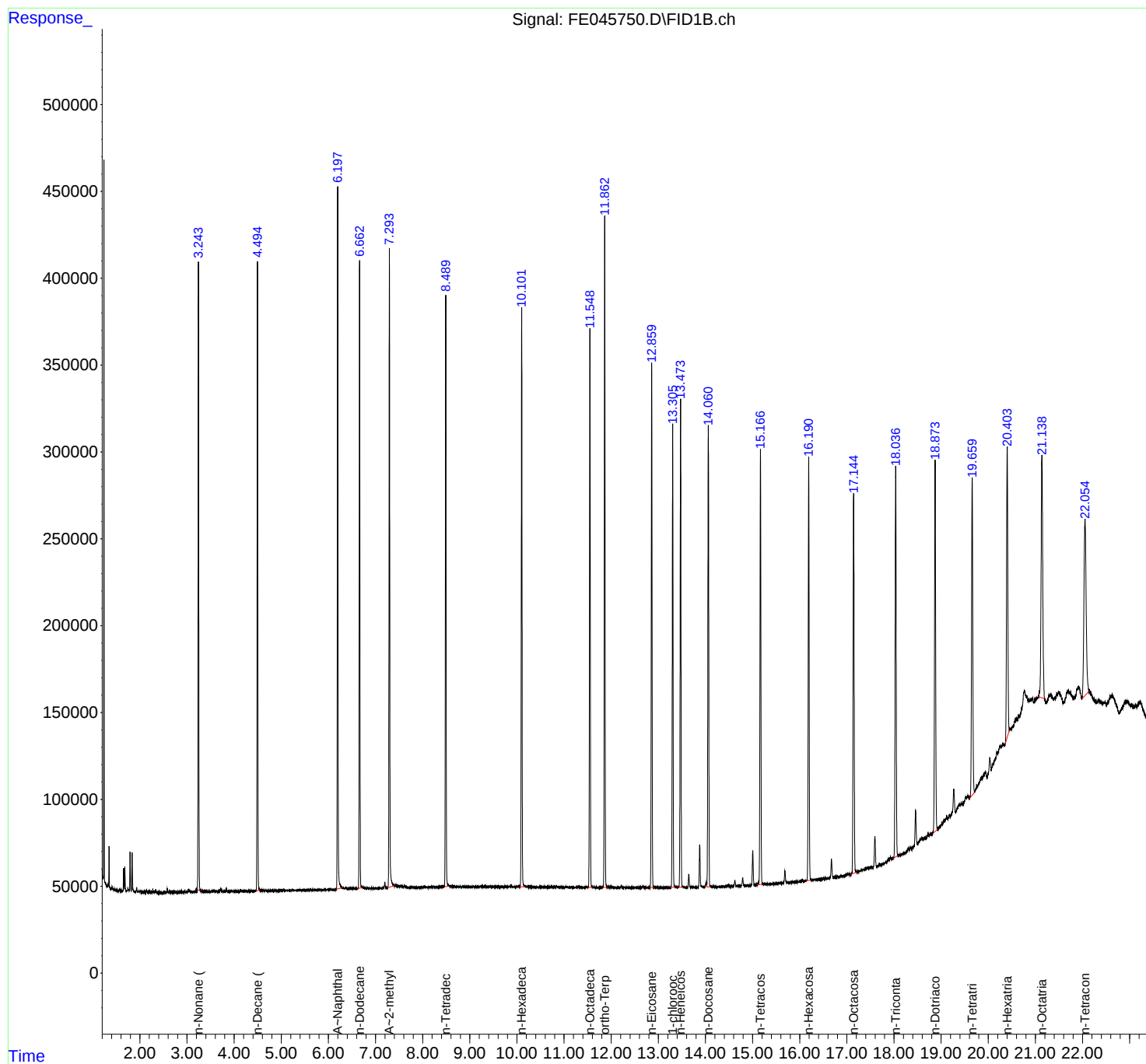
Instrument :
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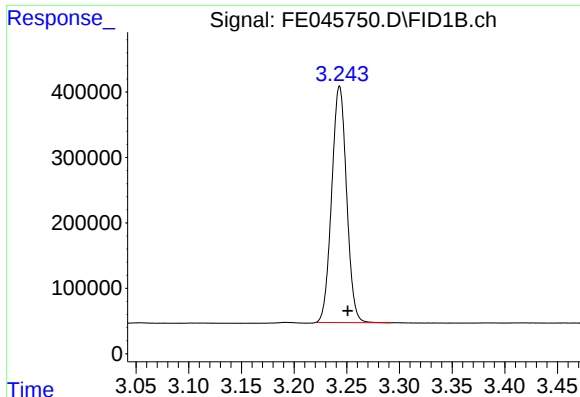
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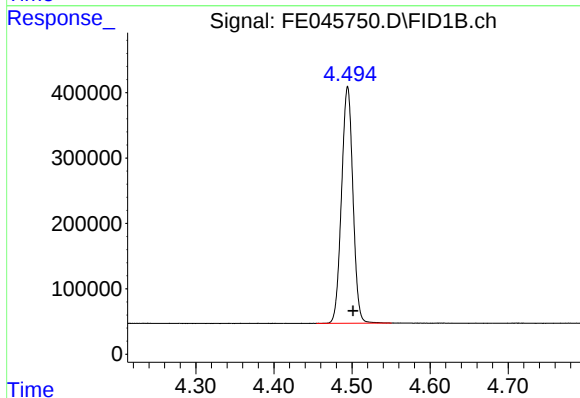
#1 n-Nonane (C9)

R.T.: 3.243 min
Delta R.T.: -0.008 min
Response: 3555224
Conc: 22.42 ug/ml

Instrument :
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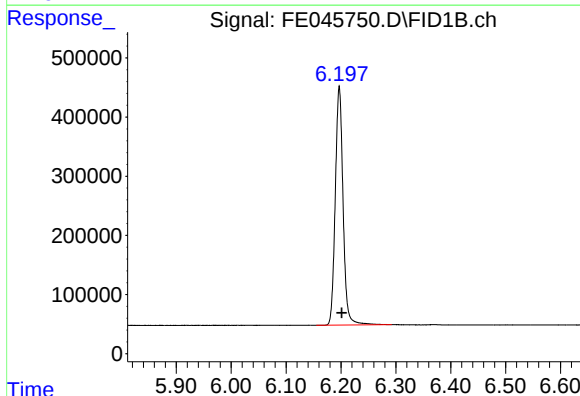
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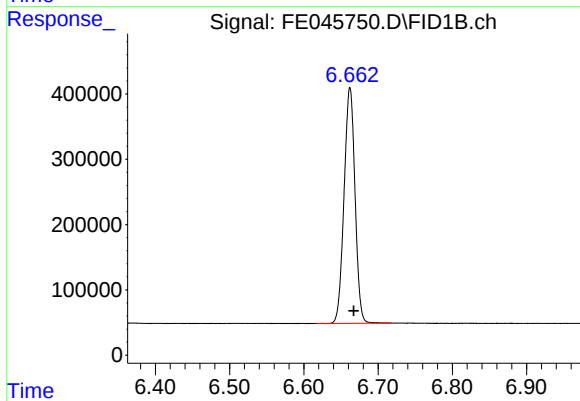
#2 n-Decane (C10)

R.T.: 4.494 min
Delta R.T.: -0.007 min
Response: 3667448
Conc: 22.90 ug/ml



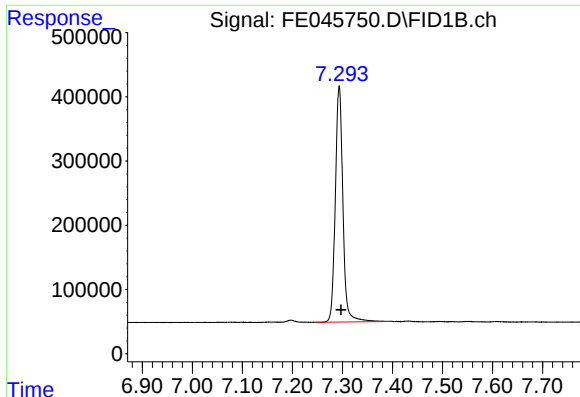
#3 A~Naphthalene (C11.7)

R.T.: 6.197 min
Delta R.T.: -0.004 min
Response: 3981003
Conc: 22.85 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.662 min
Delta R.T.: -0.005 min
Response: 3697454
Conc: 22.89 ug/ml



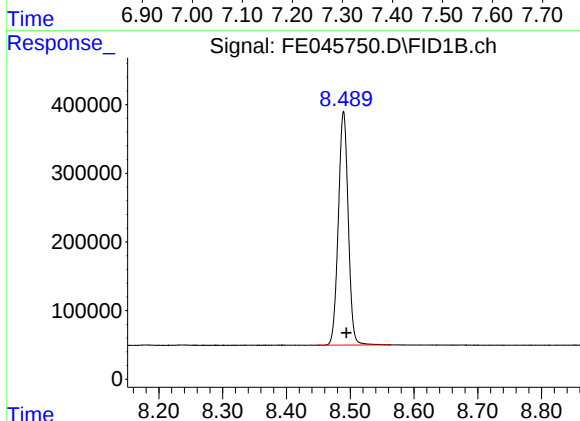
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.294 min
Delta R.T.: -0.004 min
Response: 3870817
Conc: 22.79 ug/ml

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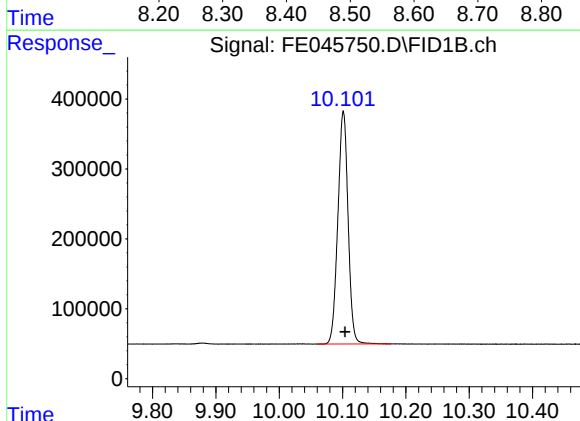
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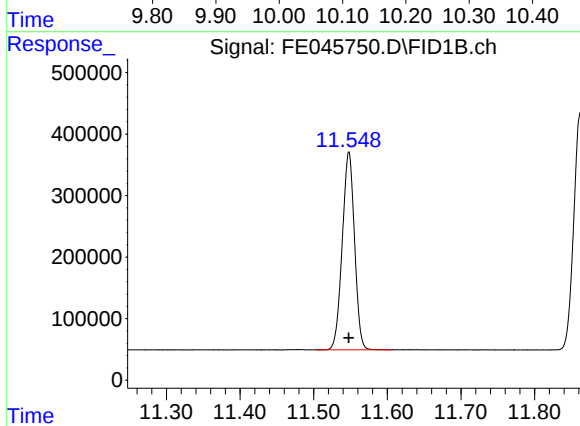
#6 n-Tetradecane (C14)

R.T.: 8.490 min
Delta R.T.: -0.005 min
Response: 3664871
Conc: 22.84 ug/ml



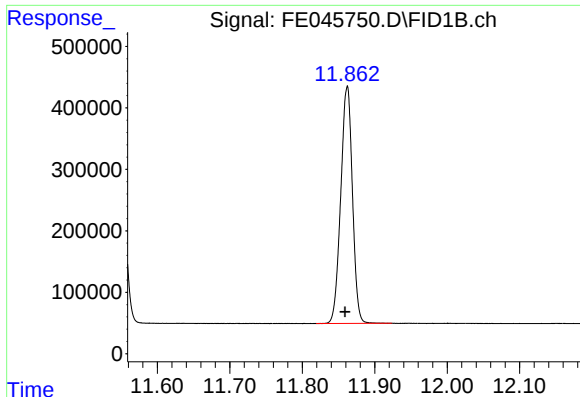
#7 n-Hexadecane (C16)

R.T.: 10.101 min
Delta R.T.: -0.003 min
Response: 3730132
Conc: 22.53 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.548 min
Delta R.T.: 0.000 min
Response: 3726045
Conc: 21.73 ug/ml



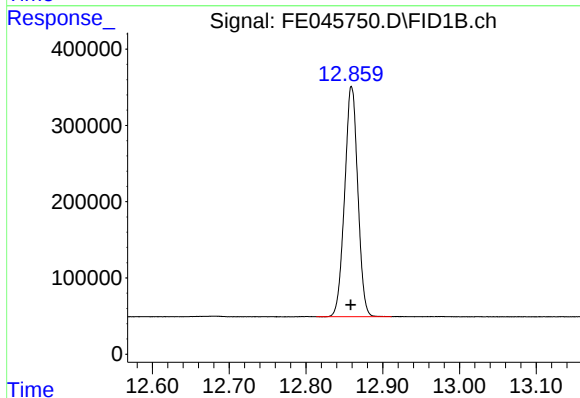
#9 ortho-Terphenyl (SURR)

R.T.: 11.862 min
Delta R.T.: 0.003 min
Response: 4329638
Conc: 20.70 ug/ml

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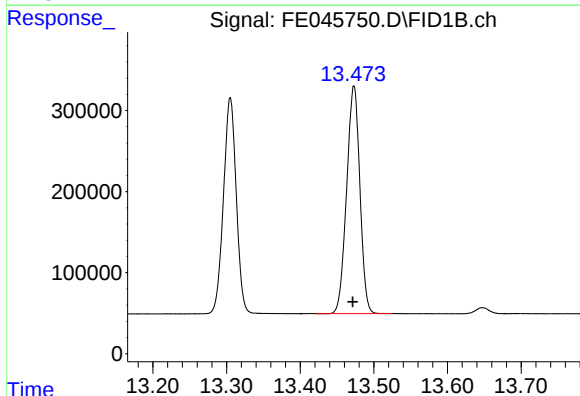
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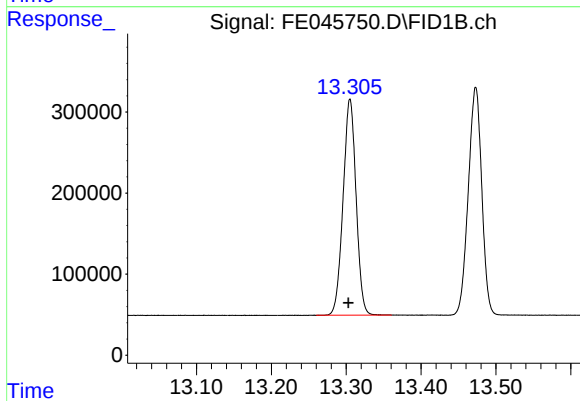
#10 n-Eicosane (C20)

R.T.: 12.859 min
Delta R.T.: 0.001 min
Response: 3596625
Conc: 20.79 ug/ml



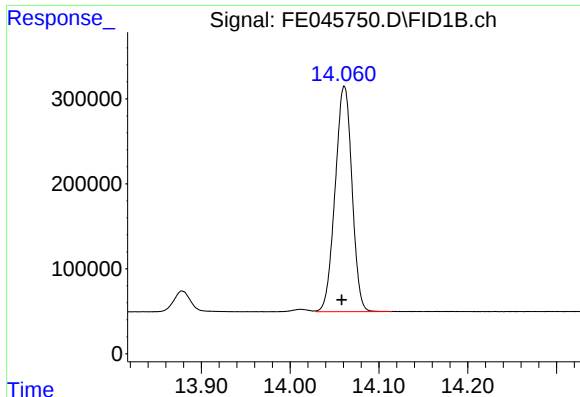
#11 n-Heneicosane (C21)

R.T.: 13.473 min
Delta R.T.: 0.002 min
Response: 3514779
Conc: 20.43 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.305 min
Delta R.T.: 0.002 min
Response: 3213854
Conc: 20.43 ug/ml



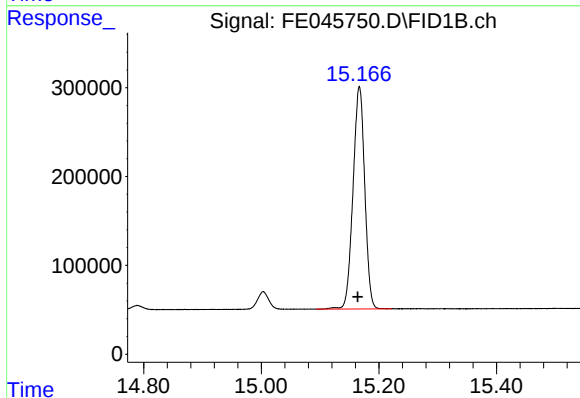
#13 n-Docosane (C22)

R.T.: 14.061 min
Delta R.T.: 0.003 min
Response: 3492001
Conc: 20.25 ug/ml

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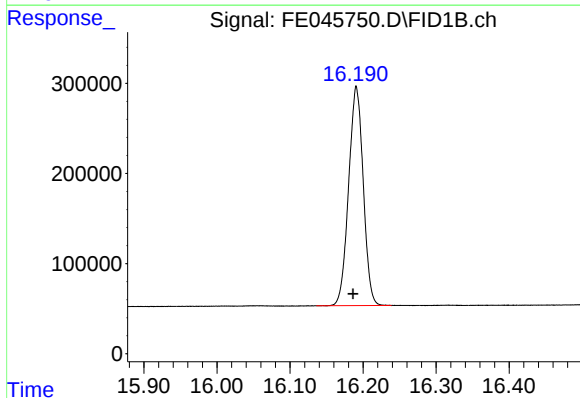
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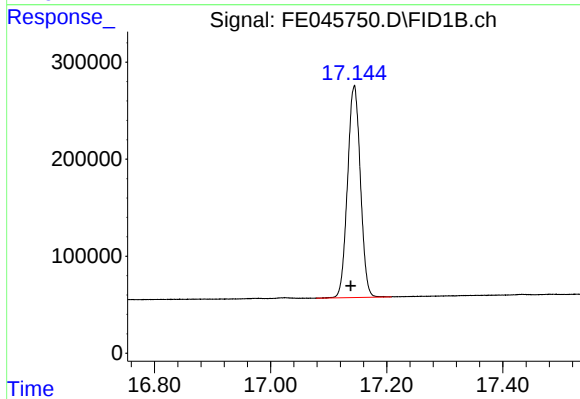
#14 n-Tetracosane (C24)

R.T.: 15.167 min
Delta R.T.: 0.003 min
Response: 3461518
Conc: 19.83 ug/ml



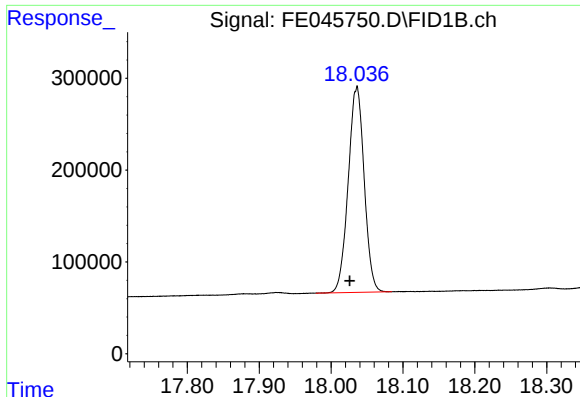
#15 n-Hexacosane (C26)

R.T.: 16.191 min
Delta R.T.: 0.005 min
Response: 3377483
Conc: 19.39 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.144 min
Delta R.T.: 0.006 min
Response: 3360324
Conc: 19.44 ug/ml



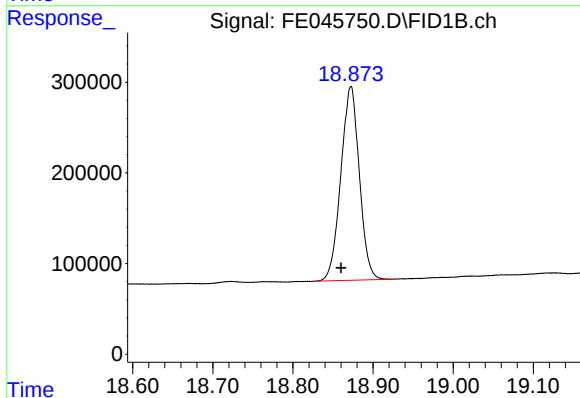
#17 n-Tricontane (C30)

R.T.: 18.036 min
Delta R.T.: 0.010 min
Response: 3448224
Conc: 19.71 ug/ml

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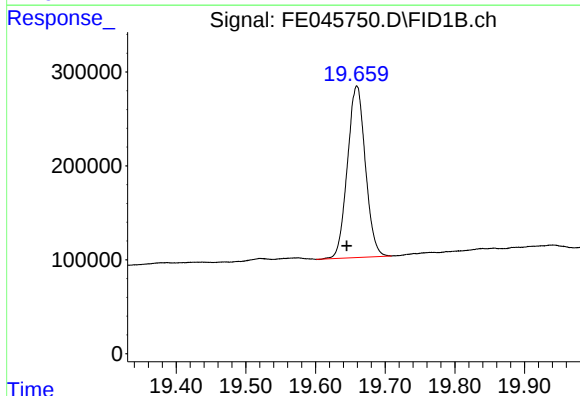
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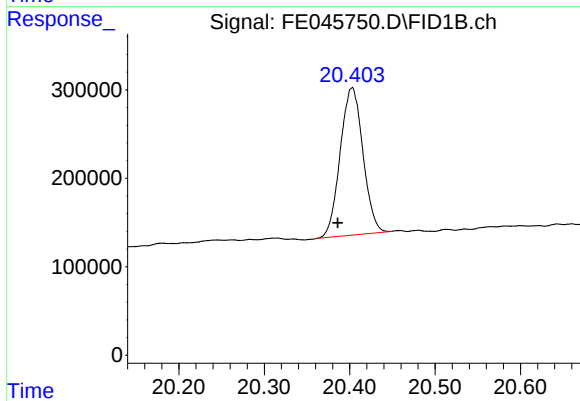
#18 n-Dotriacontane (C32)

R.T.: 18.873 min
Delta R.T.: 0.013 min
Response: 3436855
Conc: 18.84 ug/ml m



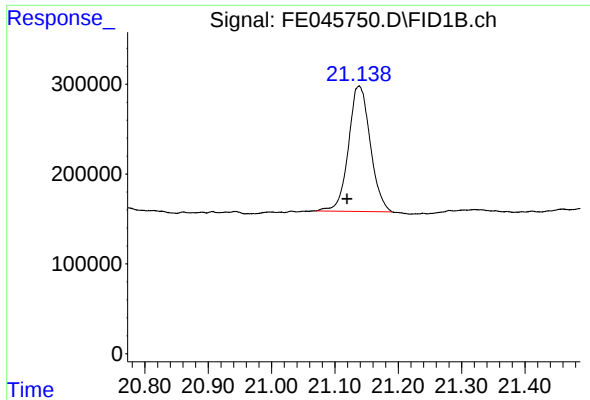
#19 n-Tetratriacontane (C34)

R.T.: 19.659 min
Delta R.T.: 0.015 min
Response: 3267749
Conc: 19.69 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.403 min
Delta R.T.: 0.017 min
Response: 3084516
Conc: 19.43 ug/ml m



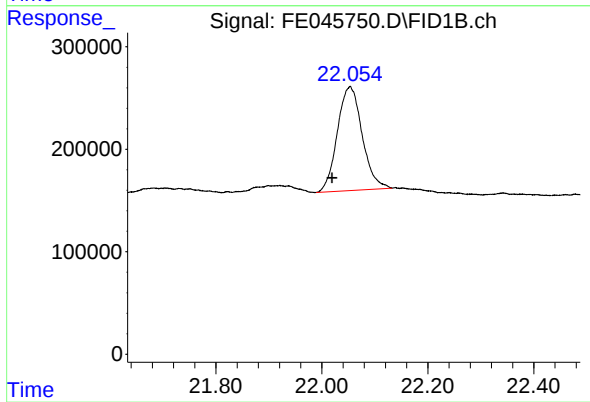
#21 n-Octatriacontane (C38)

R.T.: 21.138 min
Delta R.T.: 0.019 min
Response: 3324823
Conc: 21.20 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.054 min
Delta R.T.: 0.034 min
Response: 3297096
Conc: 23.20 ug/ml m