

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE071024AL\
 Data File : FE049053.D
 Signal(s) : FID1B.ch
 Acq On : 11 Jul 2024 04:33
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/11/2024
 Supervised By :Ankita Jodhani 07/11/2024

Integration File: autoint1.e
 Quant Time: Jul 11 05:20:50 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062124.M
 Quant Title : GC Extractables
 QLast Update : Thu Jun 20 17:53:58 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)	11.931	2693312	16.107 ug/ml
Spiked Amount 50.000		Recovery =	32.21%
12) S 1-chlorooctadecane (S...	13.366	2071453	16.109 ug/ml
Spiked Amount 50.000		Recovery =	32.22%
Target Compounds			
1) T n-Nonane (C9)	3.314	2551632	16.972 ug/ml
2) T n-Decane (C10)	4.564	2663045	17.305 ug/ml
3) T A~Naphthalene (C11.7)	6.273	2690198	16.946 ug/ml
4) T n-Dodecane (C12)	6.731	2637540	17.085 ug/ml
5) T A~2-methylnaphthalene...	7.369	2550106	16.839 ug/ml
6) T n-Tetradecane (C14)	8.559	2602618	16.981 ug/ml
7) T n-Hexadecane (C16)	10.167	2654658	16.978 ug/ml
8) T n-Octadecane (C18)	11.611	2658015	16.666 ug/ml
10) T n-Eicosane (C20)	12.920	2547624	16.433 ug/ml
11) T n-Heneicosane (C21)	13.533	2499164	16.413 ug/ml
13) T n-Docosane (C22)	14.118	2485251	16.433 ug/ml
14) T n-Tetracosane (C24)	15.221	2480430	16.505 ug/mlm
15) T n-Hexacosane (C26)	16.241	2510340	17.004 ug/ml
16) T n-Octacosane (C28)	17.191	2571435	17.831 ug/ml
17) T n-Tricontane (C30)	18.077	2836669	19.390 ug/mlm
18) T n-Dotriacontane (C32)	18.909	2899657	20.280 ug/mlm
19) T n-Tetratriacontane (C34)	19.694	2812188	20.323 ug/ml
20) T n-Hexatriacontane (C36)	20.434	2663136	20.491 ug/ml
21) T n-Octatriacontane (C38)	21.171	2700286	21.064 ug/mlm
22) T n-Tetracontane (C40)	22.085	2786532	22.755 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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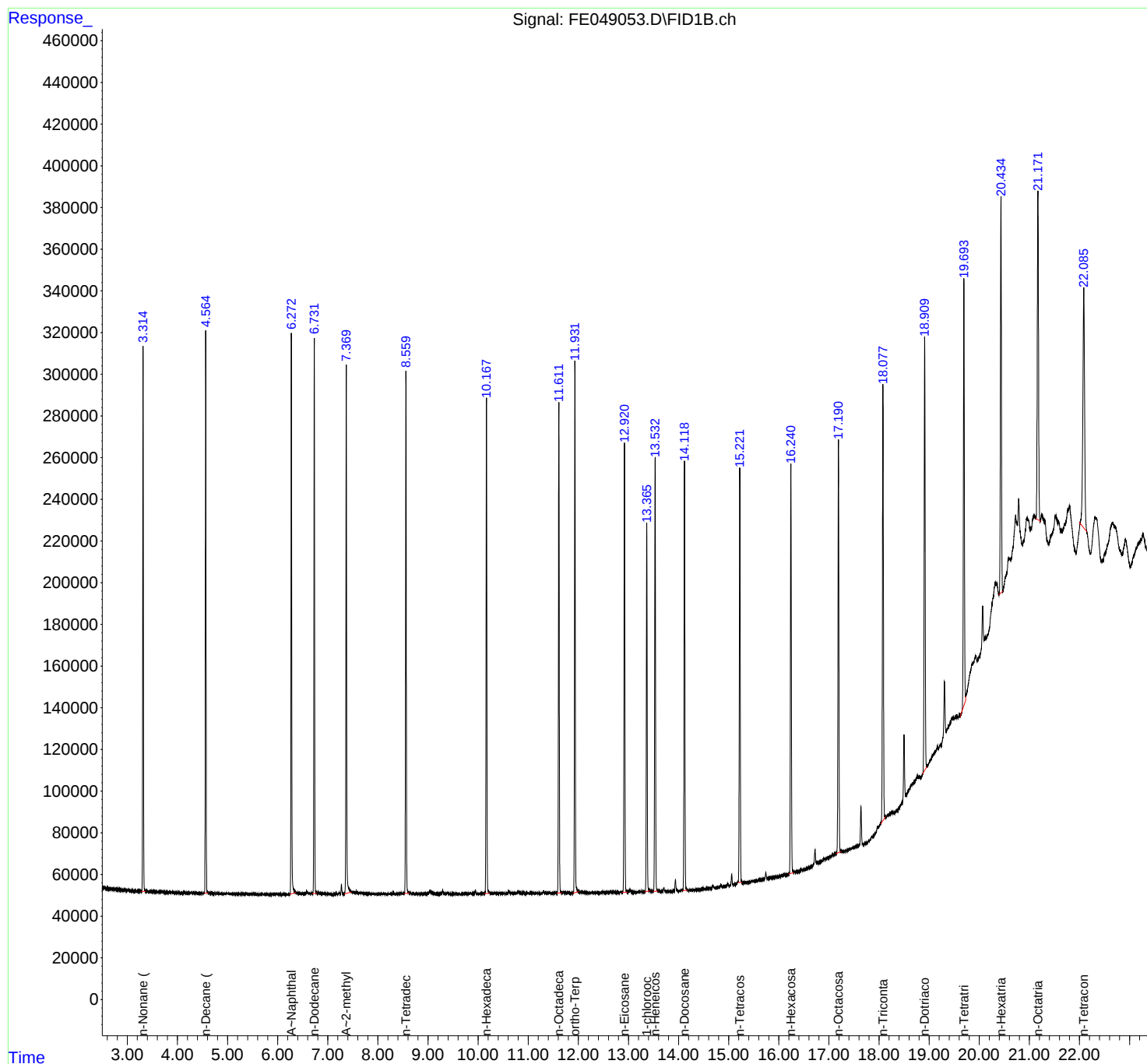
Instrument :
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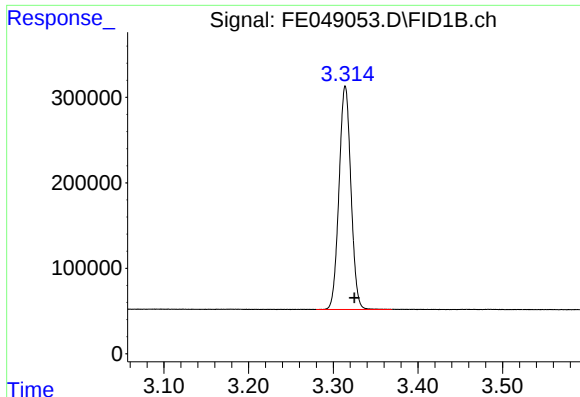
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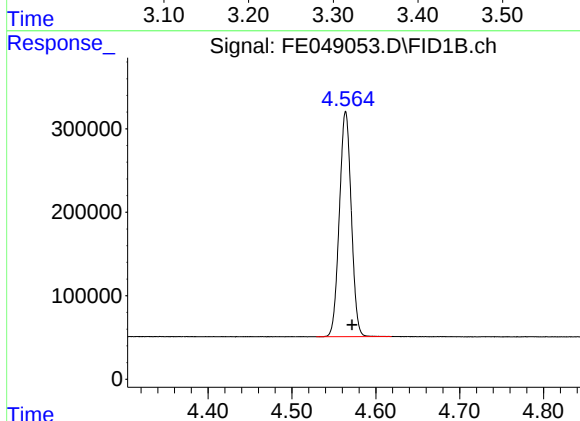
#1 n-Nonane (C9)

R.T.: 3.314 min
Delta R.T.: -0.011 min
Response: 2551632
Conc: 16.97 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

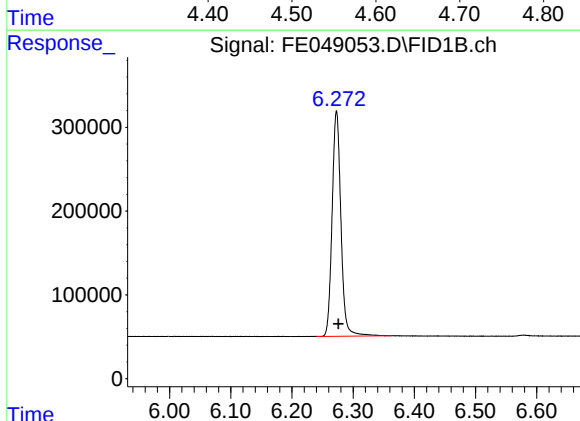
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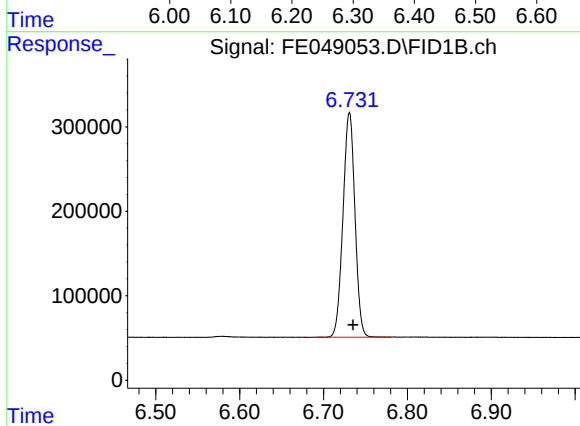
#2 n-Decane (C10)

R.T.: 4.564 min
Delta R.T.: -0.007 min
Response: 2663045
Conc: 17.30 ug/ml



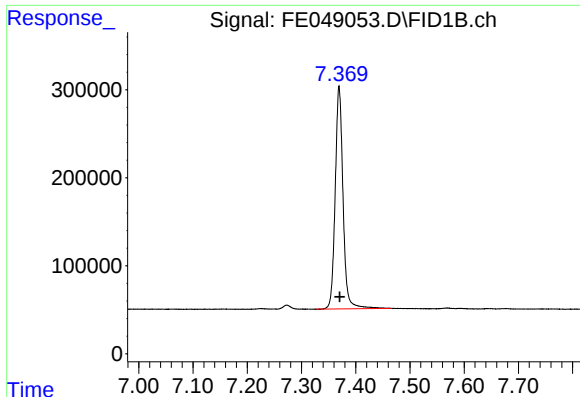
#3 A~Naphthalene (C11.7)

R.T.: 6.273 min
Delta R.T.: -0.003 min
Response: 2690198
Conc: 16.95 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.731 min
Delta R.T.: -0.004 min
Response: 2637540
Conc: 17.09 ug/ml



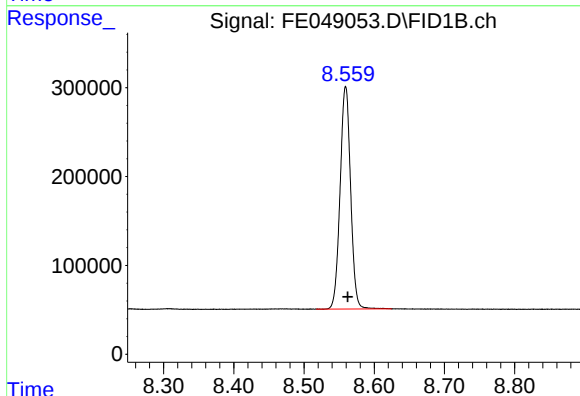
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.369 min
Delta R.T.: -0.001 min
Response: 2550106
Conc: 16.84 ug/ml

Instrument :
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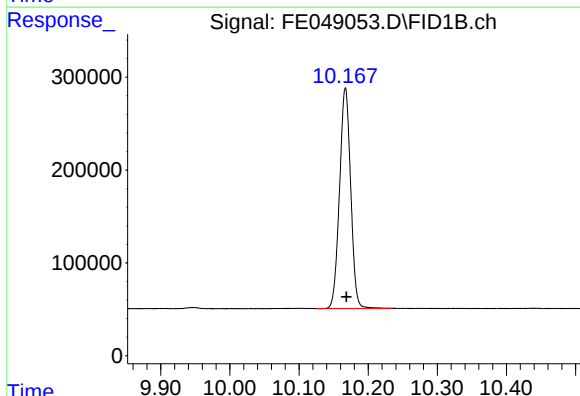
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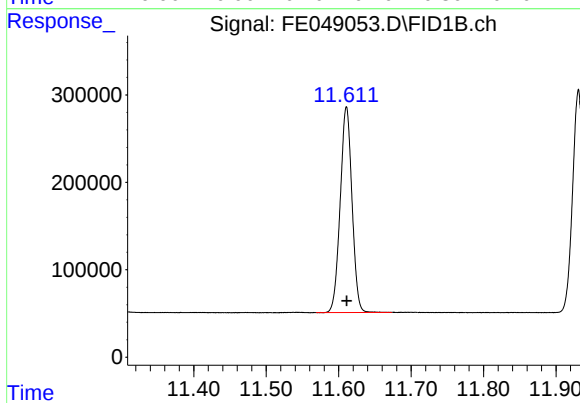
#6 n-Tetradecane (C14)

R.T.: 8.559 min
Delta R.T.: -0.003 min
Response: 2602618
Conc: 16.98 ug/ml



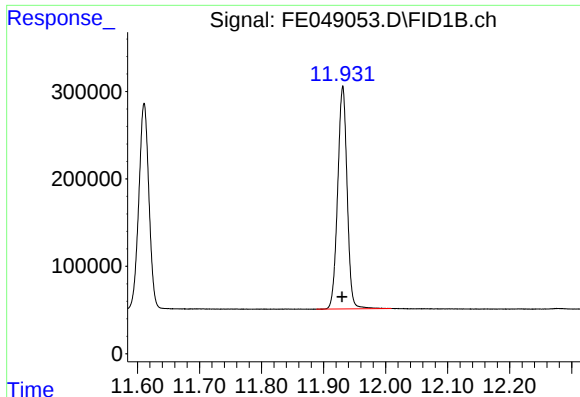
#7 n-Hexadecane (C16)

R.T.: 10.167 min
Delta R.T.: -0.002 min
Response: 2654658
Conc: 16.98 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.611 min
Delta R.T.: 0.000 min
Response: 2658015
Conc: 16.67 ug/ml



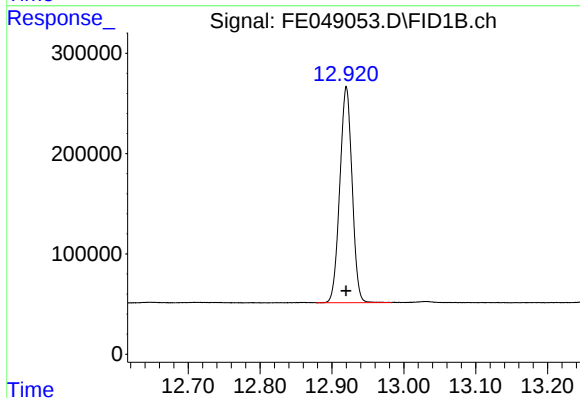
#9 ortho-Terphenyl (SURR)

R.T.: 11.931 min
Delta R.T.: 0.001 min
Response: 2693312
Conc: 16.11 ug/ml

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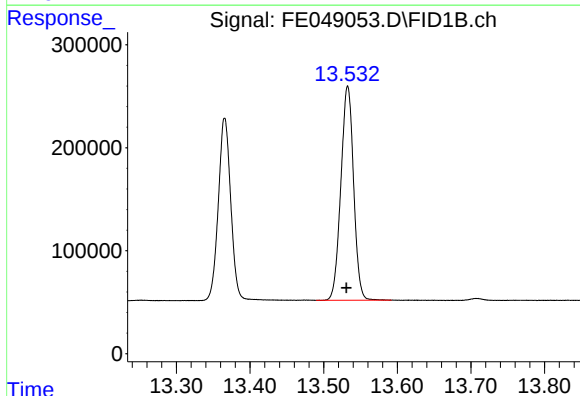
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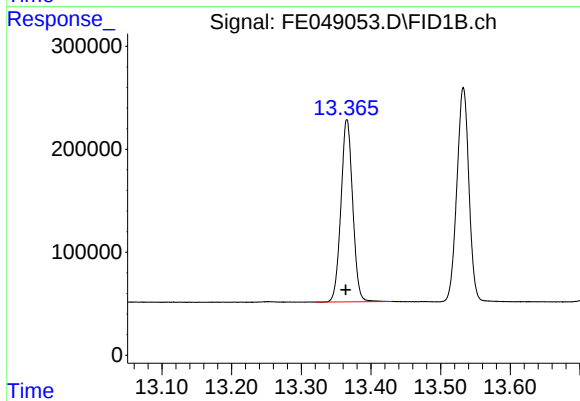
#10 n-Eicosane (C20)

R.T.: 12.920 min
Delta R.T.: 0.000 min
Response: 2547624
Conc: 16.43 ug/ml



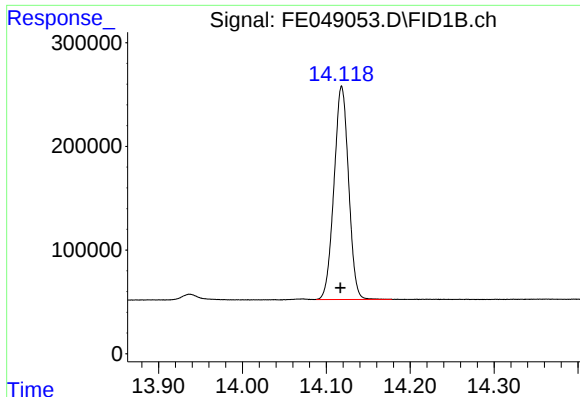
#11 n-Heneicosane (C21)

R.T.: 13.533 min
Delta R.T.: 0.002 min
Response: 2499164
Conc: 16.41 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.366 min
Delta R.T.: 0.002 min
Response: 2071453
Conc: 16.11 ug/ml



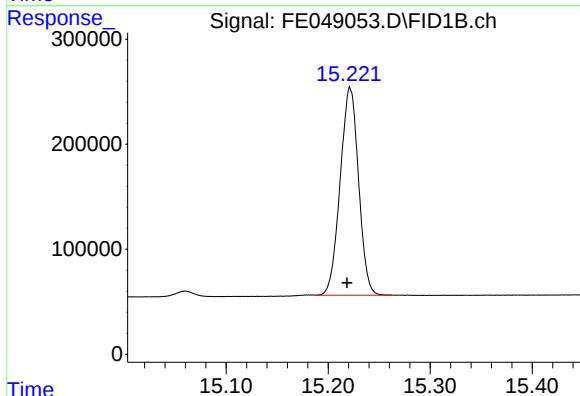
#13 n-Docosane (C22)

R.T.: 14.118 min
Delta R.T.: 0.002 min
Response: 2485251
Conc: 16.43 ug/ml

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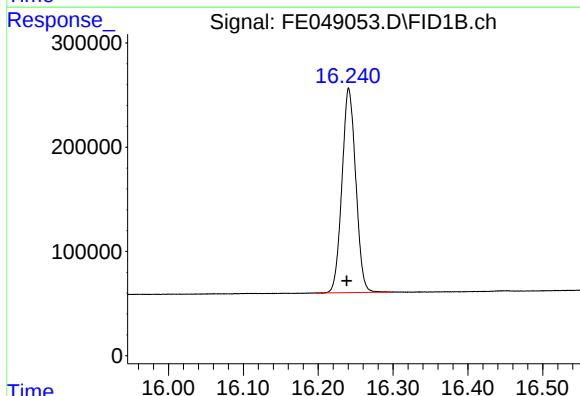
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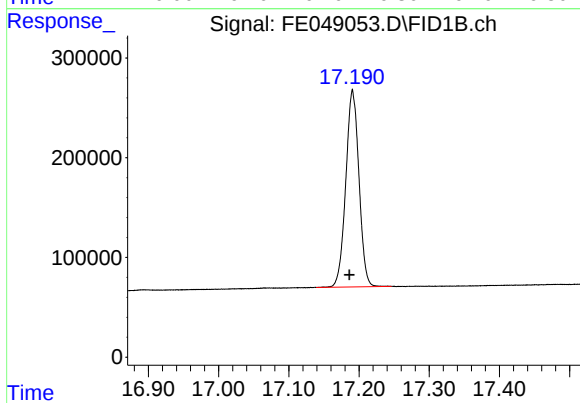
#14 n-Tetracosane (C24)

R.T.: 15.221 min
Delta R.T.: 0.002 min
Response: 2480430
Conc: 16.51 ug/ml m



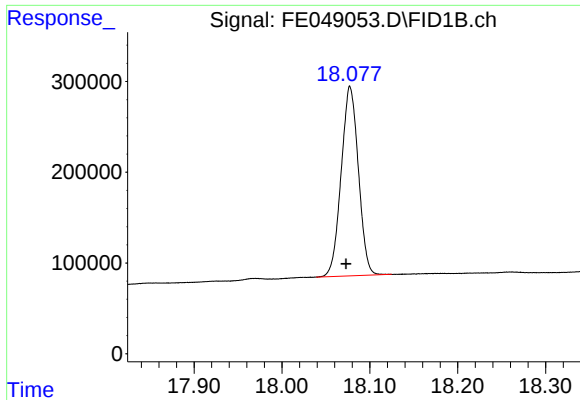
#15 n-Hexacosane (C26)

R.T.: 16.241 min
Delta R.T.: 0.003 min
Response: 2510340
Conc: 17.00 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.191 min
Delta R.T.: 0.004 min
Response: 2571435
Conc: 17.83 ug/ml



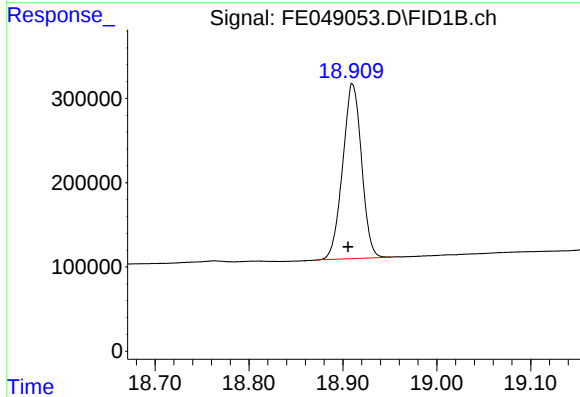
#17 n-Tricontane (C30)

R.T.: 18.077 min
Delta R.T.: 0.004 min
Response: 2836669
Conc: 19.39 ug/ml

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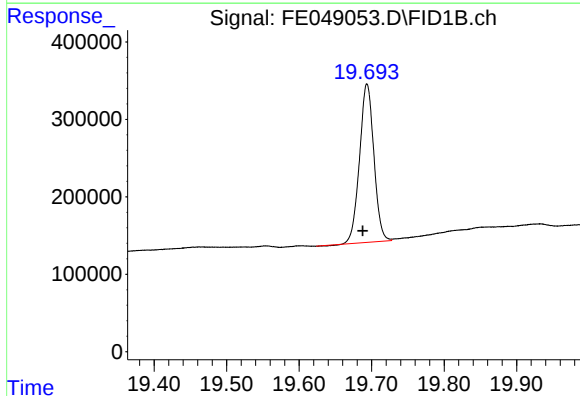
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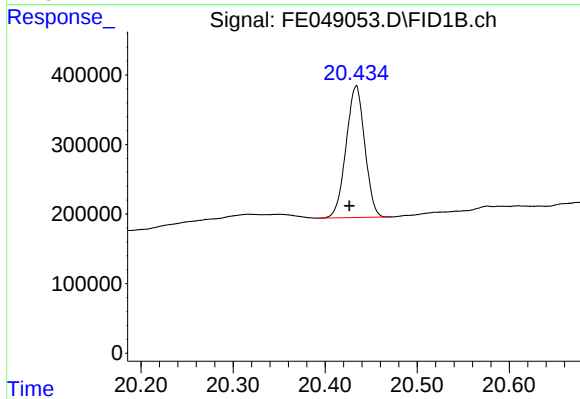
#18 n-Dotriacontane (C32)

R.T.: 18.909 min
Delta R.T.: 0.004 min
Response: 2899657
Conc: 20.28 ug/ml m



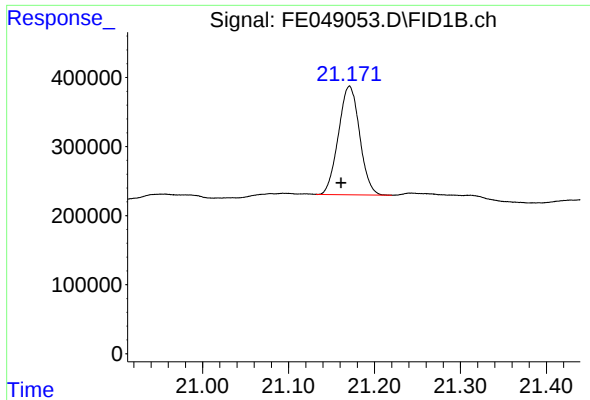
#19 n-Tetratriacontane (C34)

R.T.: 19.694 min
Delta R.T.: 0.006 min
Response: 2812188
Conc: 20.32 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.434 min
Delta R.T.: 0.007 min
Response: 2663136
Conc: 20.49 ug/ml



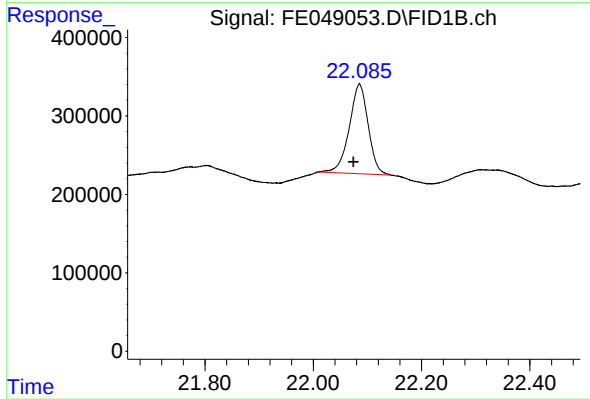
#21 n-Octatriacontane (C38)

R.T.: 21.171 min
Delta R.T.: 0.010 min
Response: 2700286
Conc: 21.06 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.085 min
Delta R.T.: 0.011 min
Response: 2786532
Conc: 22.75 ug/ml m