

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE042424AL\
 Data File : FE047771.D
 Signal(s) : FID1B.ch
 Acq On : 24 Apr 2024 22:49
 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 04/25/2024
 Supervised By :Ankita Jodhani 04/25/2024

Integration File: sample.E
 Quant Time: Apr 25 03:42:30 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 040224.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 02 05:28:28 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)	11.978	3163920	18.242 ug/ml
Spiked Amount 50.000		Recovery =	36.48%
12) S 1-chlorooctadecane (S...	13.411	2479129	18.433 ug/ml
Spiked Amount 50.000		Recovery =	36.87%
Target Compounds			
1) T n-Nonane (C9)	3.356	2670588	17.070 ug/ml
2) T n-Decane (C10)	4.609	2805096	17.454 ug/ml
3) T A~Naphthalene (C11.7)	6.318	2970044	17.517 ug/ml
4) T n-Dodecane (C12)	6.776	2844367	17.524 ug/ml
5) T A~2-methylnaphthalene...	7.414	2878751	17.530 ug/ml
6) T n-Tetradecane (C14)	8.604	2857856	17.765 ug/ml
7) T n-Hexadecane (C16)	10.213	3014392	18.151 ug/ml
8) T n-Octadecane (C18)	11.656	3081881	18.378 ug/ml
10) T n-Eicosane (C20)	12.966	3007233	18.563 ug/ml
11) T n-Heneicosane (C21)	13.578	2927002	18.447 ug/ml
13) T n-Docosane (C22)	14.164	3005738	18.729 ug/ml
14) T n-Tetracosane (C24)	15.266	3167221	19.188 ug/ml
15) T n-Hexacosane (C26)	16.286	3278857	19.836 ug/ml
16) T n-Octacosane (C28)	17.237	3463041	20.897 ug/ml
17) T n-Tricontane (C30)	18.124	3879742	22.852 ug/mlm
18) T n-Dotriacontane (C32)	18.957	3910482	23.451 ug/ml
19) T n-Tetratriacontane (C34)	19.739	3711081	23.138 ug/ml
20) T n-Hexatriacontane (C36)	20.478	3477845	21.805 ug/mlm
21) T n-Octatriacontane (C38)	21.221	3210634	19.755 ug/mlm
22) T n-Tetracontane (C40)	22.153	2977256	18.185 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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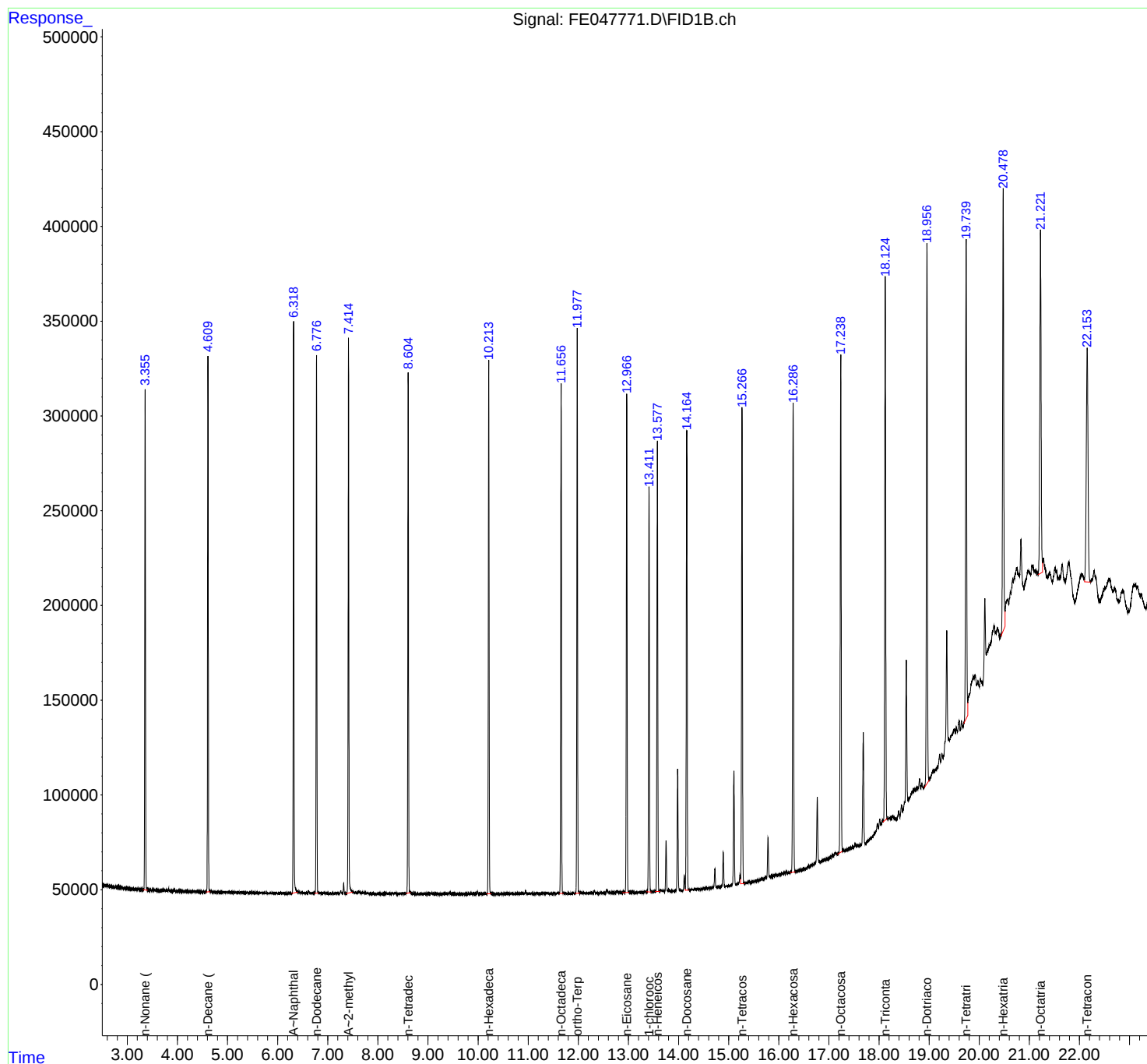
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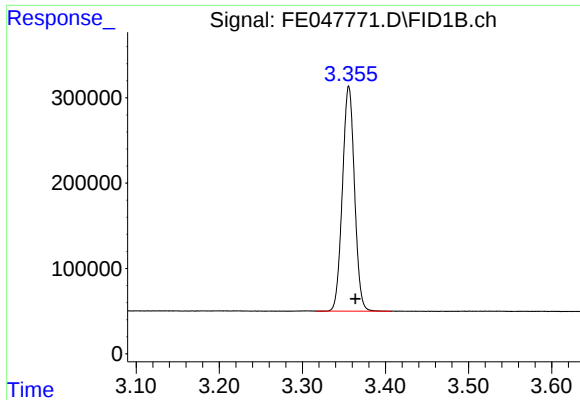
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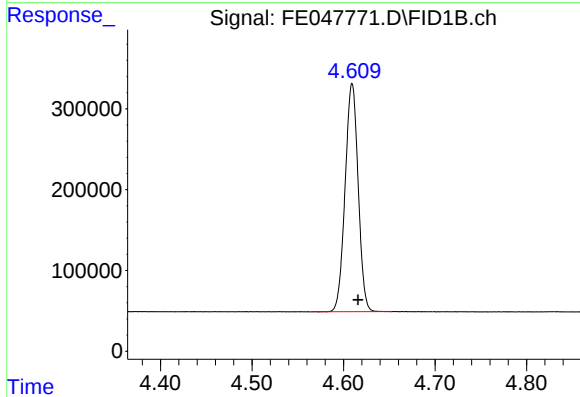
#1 n-Nonane (C9)

R.T.: 3.356 min
Delta R.T.: -0.008 min
Response: 2670588
Conc: 17.07 ug/ml

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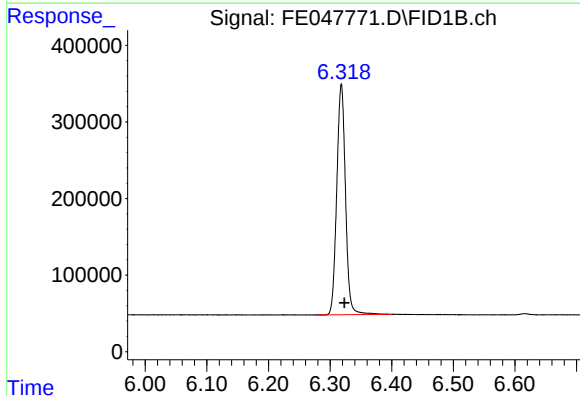
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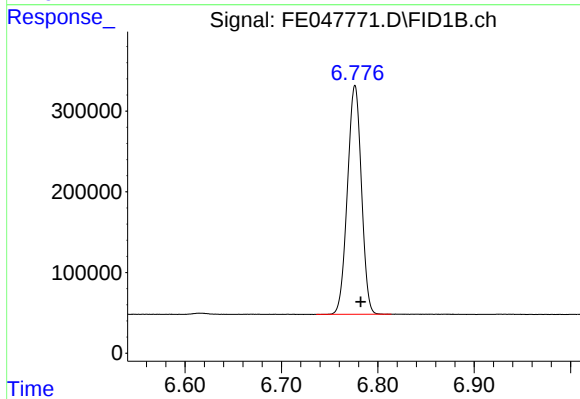
#2 n-Decane (C10)

R.T.: 4.609 min
Delta R.T.: -0.007 min
Response: 2805096
Conc: 17.45 ug/ml



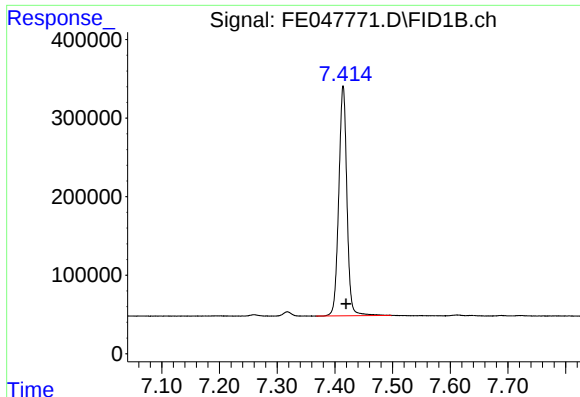
#3 A~Naphthalene (C11.7)

R.T.: 6.318 min
Delta R.T.: -0.005 min
Response: 2970044
Conc: 17.52 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.776 min
Delta R.T.: -0.006 min
Response: 2844367
Conc: 17.52 ug/ml



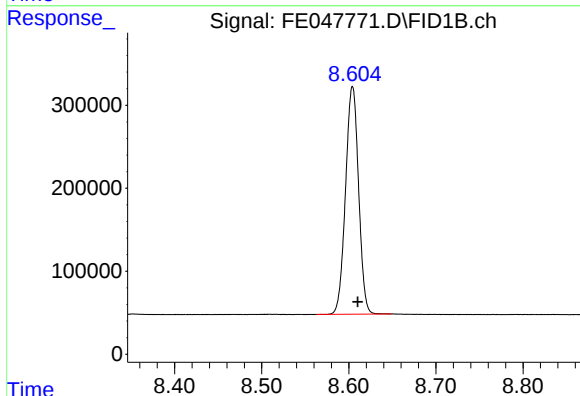
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.414 min
Delta R.T.: -0.005 min
Response: 2878751
Conc: 17.53 ug/ml

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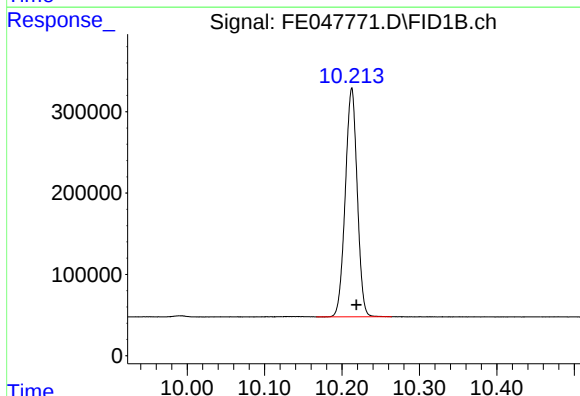
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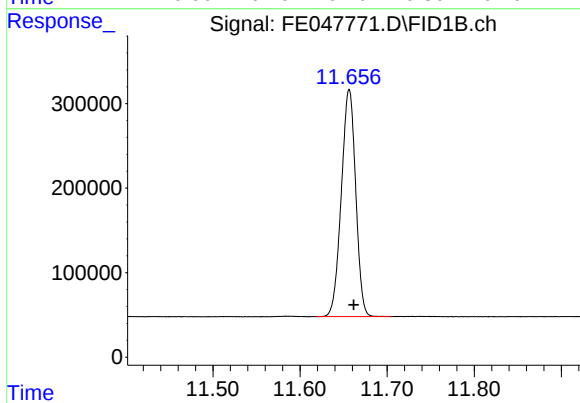
#6 n-Tetradecane (C14)

R.T.: 8.604 min
Delta R.T.: -0.006 min
Response: 2857856
Conc: 17.76 ug/ml



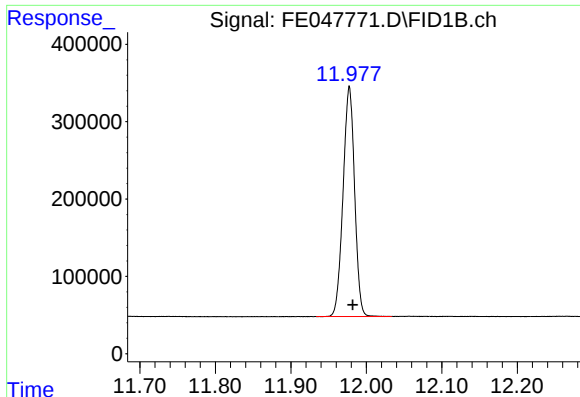
#7 n-Hexadecane (C16)

R.T.: 10.213 min
Delta R.T.: -0.006 min
Response: 3014392
Conc: 18.15 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.656 min
Delta R.T.: -0.005 min
Response: 3081881
Conc: 18.38 ug/ml



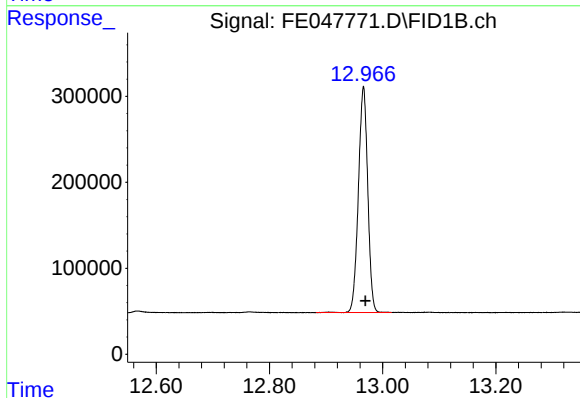
#9 ortho-Terphenyl (SURR)

R.T.: 11.978 min
Delta R.T.: -0.005 min
Response: 3163920
Conc: 18.24 ug/ml

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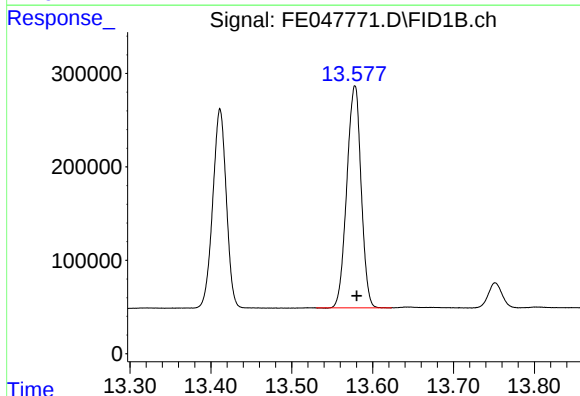
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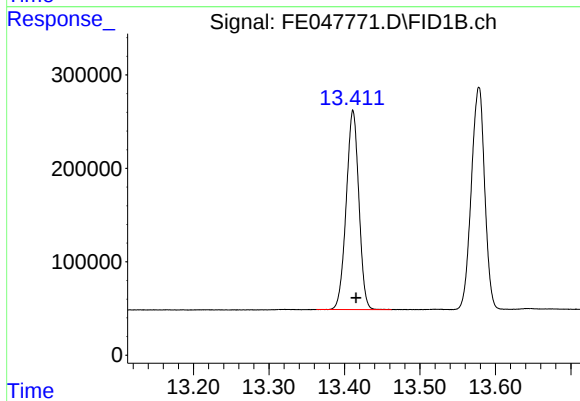
#10 n-Eicosane (C20)

R.T.: 12.966 min
Delta R.T.: -0.003 min
Response: 3007233
Conc: 18.56 ug/ml



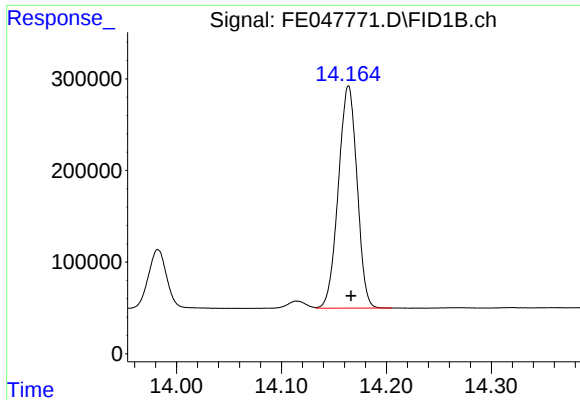
#11 n-Heneicosane (C21)

R.T.: 13.578 min
Delta R.T.: -0.002 min
Response: 2927002
Conc: 18.45 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.411 min
Delta R.T.: -0.004 min
Response: 2479129
Conc: 18.43 ug/ml



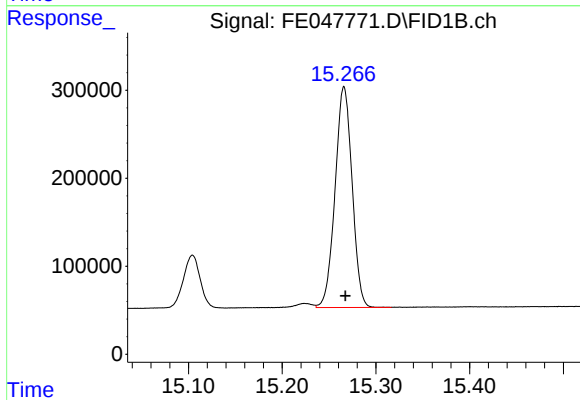
#13 n-Docosane (C22)

R.T.: 14.164 min
Delta R.T.: -0.002 min
Response: 3005738
Conc: 18.73 ug/ml

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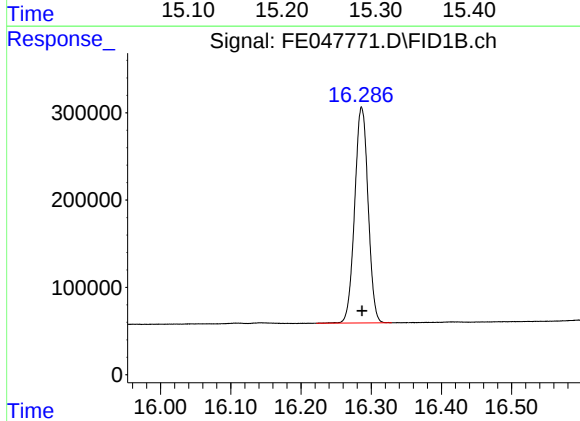
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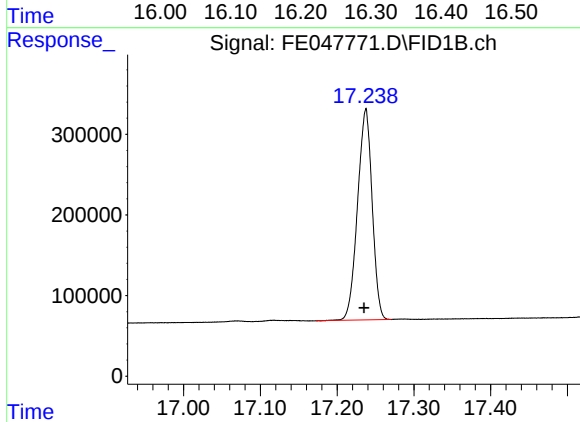
#14 n-Tetracosane (C24)

R.T.: 15.266 min
Delta R.T.: -0.002 min
Response: 3167221
Conc: 19.19 ug/ml



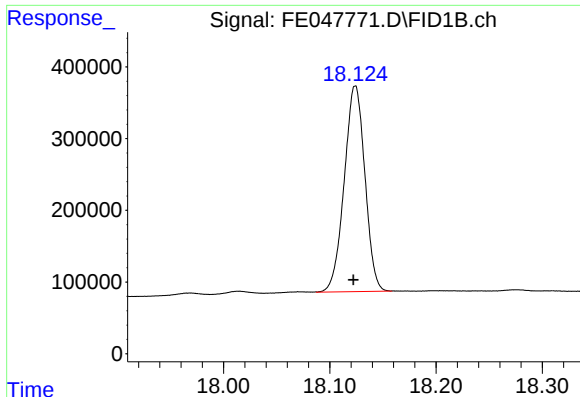
#15 n-Hexacosane (C26)

R.T.: 16.286 min
Delta R.T.: 0.000 min
Response: 3278857
Conc: 19.84 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.237 min
Delta R.T.: 0.002 min
Response: 3463041
Conc: 20.90 ug/ml



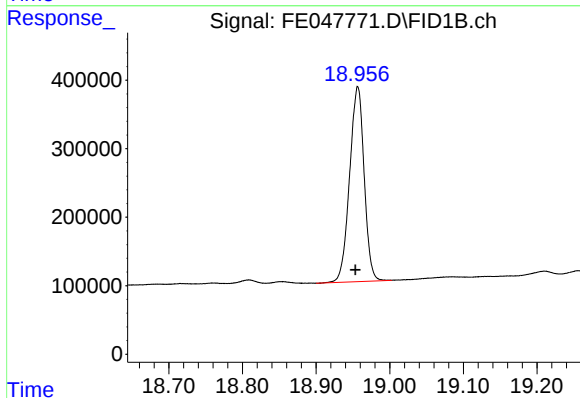
#17 n-Tricontane (C30)

R.T.: 18.124 min
Delta R.T.: 0.002 min
Response: 3879742
Conc: 22.85 ug/ml

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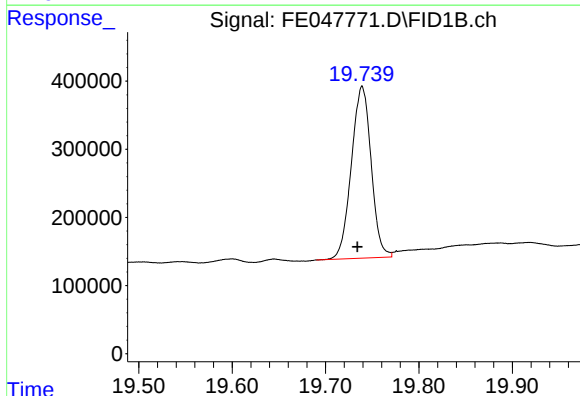
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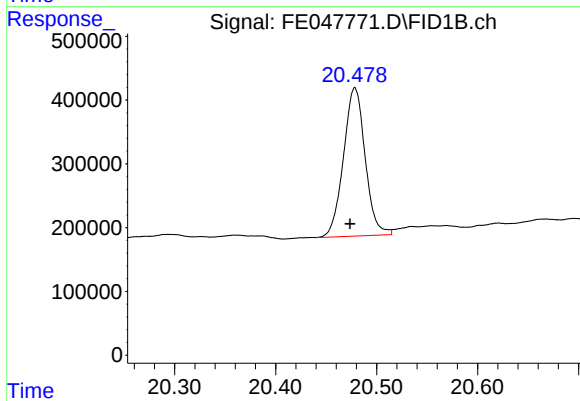
#18 n-Dotriacontane (C32)

R.T.: 18.957 min
Delta R.T.: 0.003 min
Response: 3910482
Conc: 23.45 ug/ml



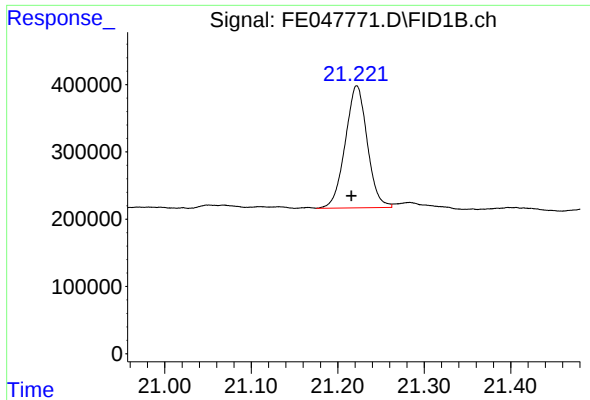
#19 n-Tetratriacontane (C34)

R.T.: 19.739 min
Delta R.T.: 0.005 min
Response: 3711081
Conc: 23.14 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.478 min
Delta R.T.: 0.004 min
Response: 3477845
Conc: 21.80 ug/ml m



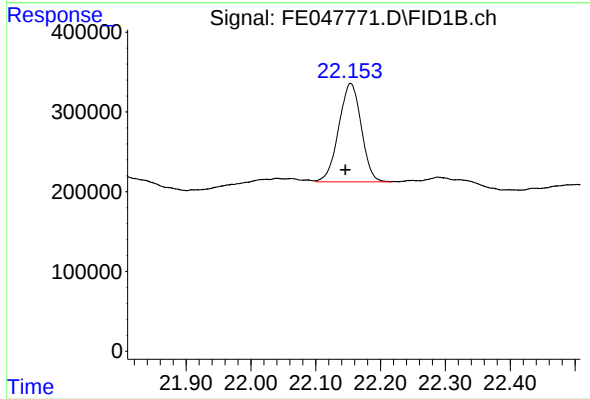
#21 n-Octatriacontane (C38)

R.T.: 21.221 min
Delta R.T.: 0.006 min
Response: 3210634
Conc: 19.75 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.153 min
Delta R.T.: 0.007 min
Response: 2977256
Conc: 18.18 ug/ml m