

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE071124AL\
 Data File : FE049069.D
 Signal(s) : FID1B.ch
 Acq On : 11 Jul 2024 13:40
 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 07/12/2024
 Supervised By :Ankita Jodhani 07/12/2024

Integration File: autoint1.e
 Quant Time: Jul 12 01:28:35 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)	11.924	2639929	15.788 ug/ml
Spiked Amount 50.000		Recovery =	31.58%
12) S 1-chlorooctadecane (S...	13.359	2009243	15.625 ug/ml
Spiked Amount 50.000		Recovery =	31.25%
Target Compounds			
1) T n-Nonane (C9)	3.310	2509705	16.693 ug/ml
2) T n-Decane (C10)	4.560	2610651	16.964 ug/ml
3) T A~Naphthalene (C11.7)	6.266	2626203	16.543 ug/ml
4) T n-Dodecane (C12)	6.725	2586476	16.755 ug/ml
5) T A~2-methylnaphthalene...	7.362	2476315	16.352 ug/ml
6) T n-Tetradecane (C14)	8.553	2547161	16.619 ug/ml
7) T n-Hexadecane (C16)	10.160	2596848	16.608 ug/ml
8) T n-Octadecane (C18)	11.603	2599019	16.296 ug/ml
10) T n-Eicosane (C20)	12.913	2479330	15.992 ug/ml
11) T n-Heneicosane (C21)	13.524	2425877	15.932 ug/ml
13) T n-Docosane (C22)	14.110	2417768	15.987 ug/ml
14) T n-Tetracosane (C24)	15.213	2450088	16.304 ug/ml
15) T n-Hexacosane (C26)	16.233	2454996	16.629 ug/ml
16) T n-Octacosane (C28)	17.182	2532055	17.557 ug/ml
17) T n-Tricontane (C30)	18.069	2819696	19.274 ug/ml
18) T n-Dotriacontane (C32)	18.900	2893012	20.234 ug/ml
19) T n-Tetratriacontane (C34)	19.684	2775523	20.058 ug/ml
20) T n-Hexatriacontane (C36)	20.422	2685182	20.661 ug/mlm
21) T n-Octatriacontane (C38)	21.158	2674006	20.859 ug/mlm
22) T n-Tetracontane (C40)	22.068	2689529	21.963 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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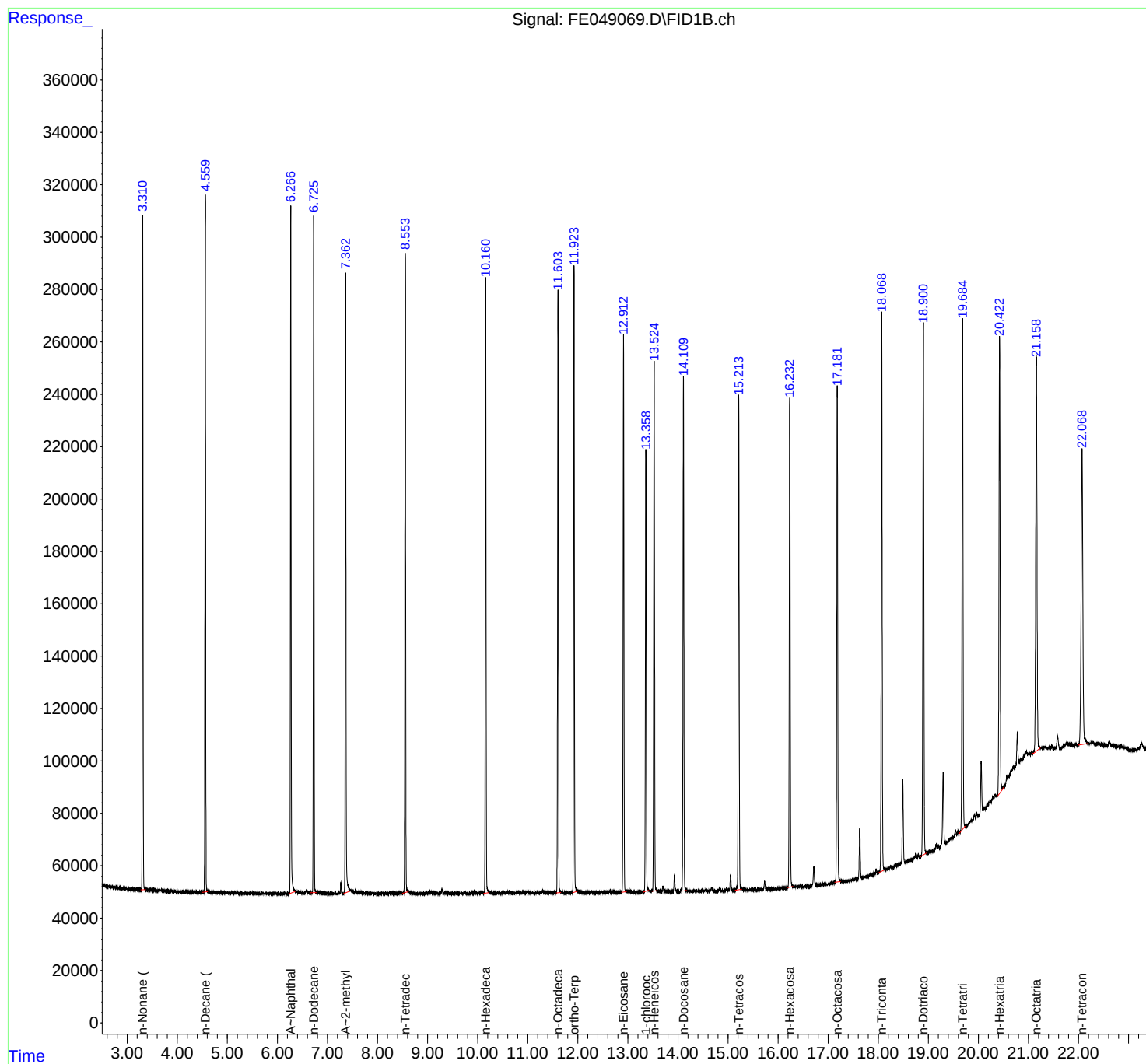
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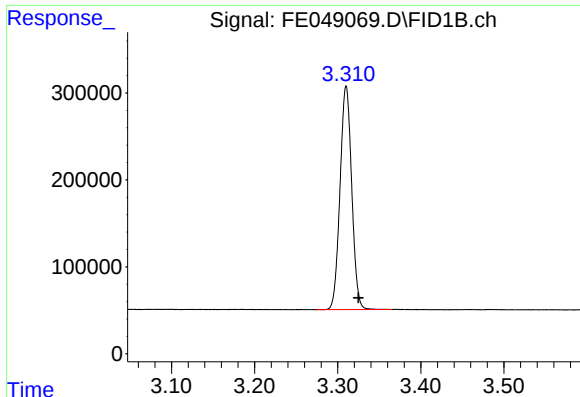
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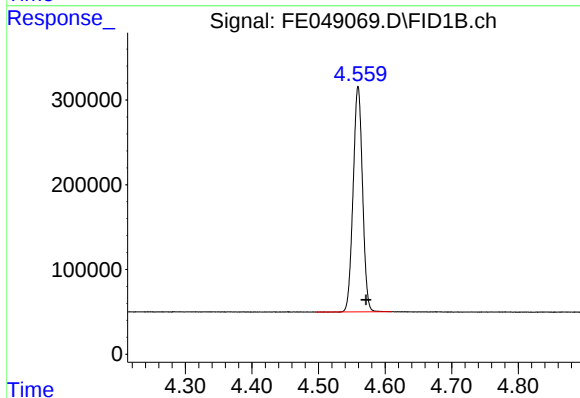
#1 n-Nonane (C9)

R.T.: 3.310 min
Delta R.T.: -0.015 min
Response: 2509705
Conc: 16.69 ug/ml

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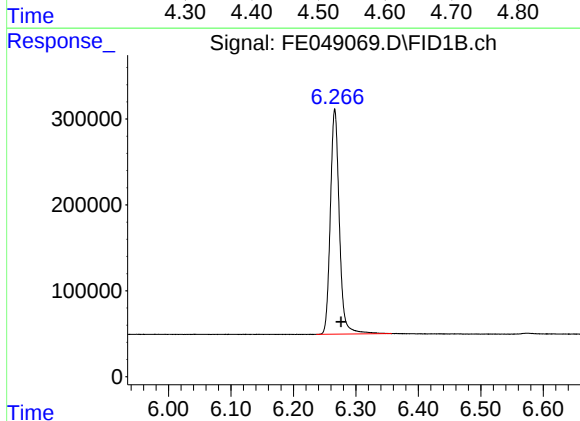
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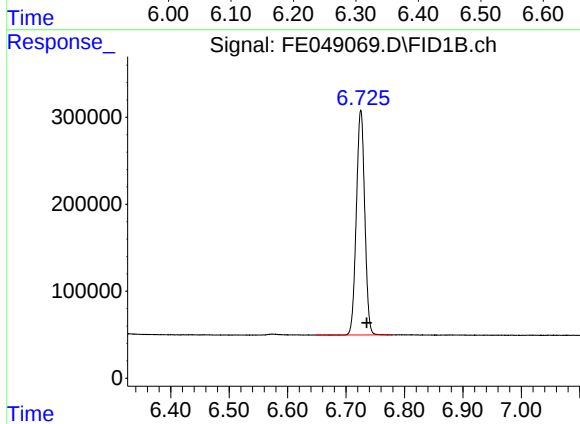
#2 n-Decane (C10)

R.T.: 4.560 min
Delta R.T.: -0.012 min
Response: 2610651
Conc: 16.96 ug/ml



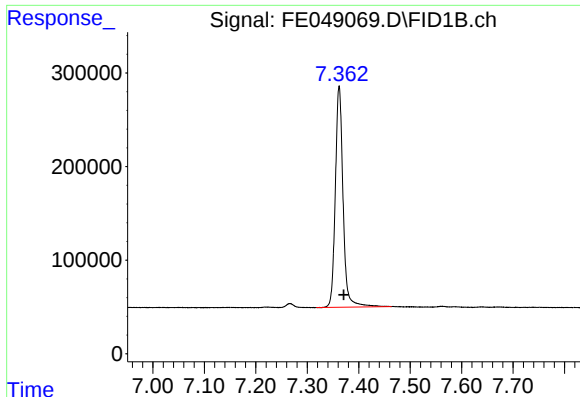
#3 A~Naphthalene (C11.7)

R.T.: 6.266 min
Delta R.T.: -0.010 min
Response: 2626203
Conc: 16.54 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.725 min
Delta R.T.: -0.010 min
Response: 2586476
Conc: 16.75 ug/ml



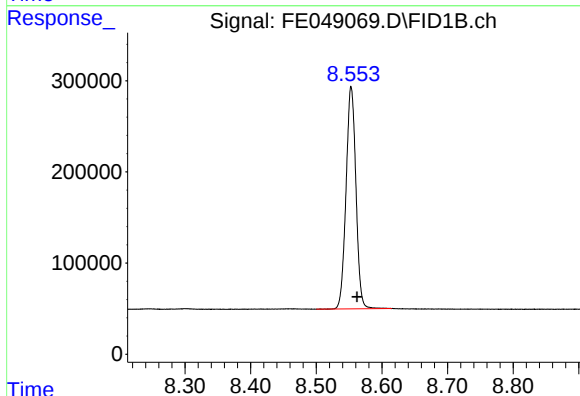
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.362 min
Delta R.T.: -0.009 min
Response: 2476315
Conc: 16.35 ug/ml

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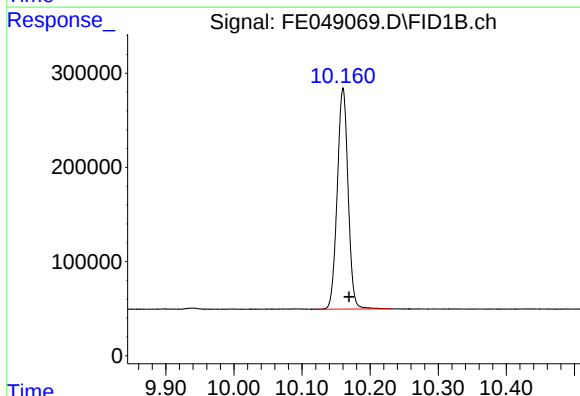
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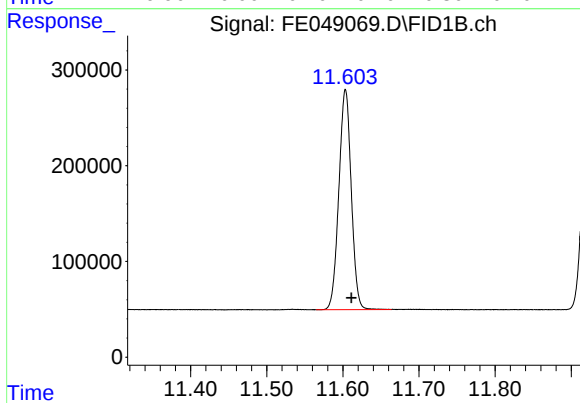
#6 n-Tetradecane (C14)

R.T.: 8.553 min
Delta R.T.: -0.009 min
Response: 2547161
Conc: 16.62 ug/ml



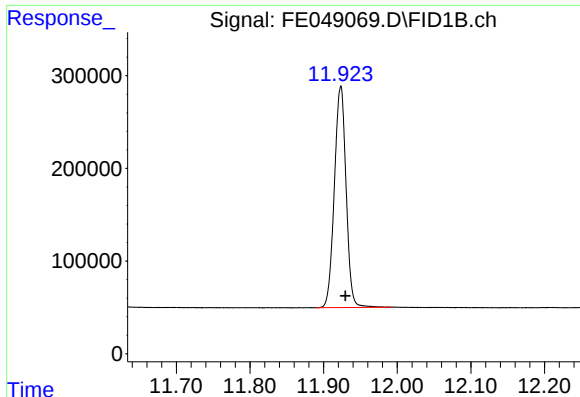
#7 n-Hexadecane (C16)

R.T.: 10.160 min
Delta R.T.: -0.008 min
Response: 2596848
Conc: 16.61 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.603 min
Delta R.T.: -0.008 min
Response: 2599019
Conc: 16.30 ug/ml



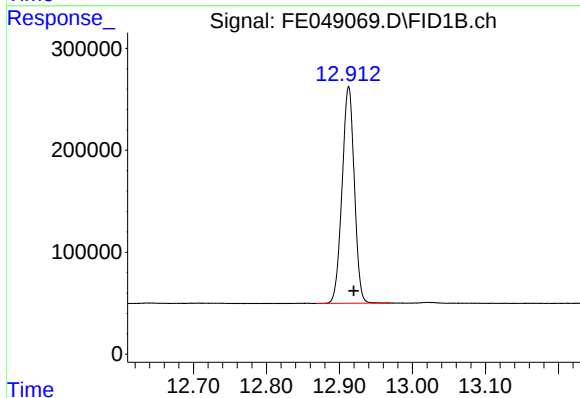
#9 ortho-Terphenyl (SURR)

R.T.: 11.924 min
Delta R.T.: -0.006 min
Response: 2639929
Conc: 15.79 ug/ml

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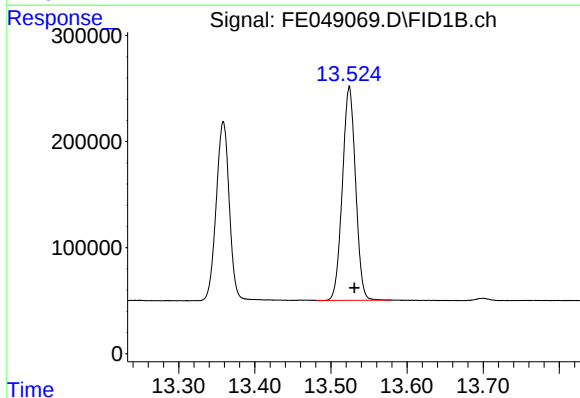
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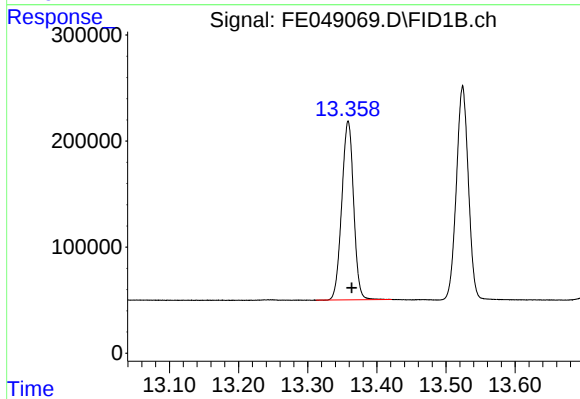
#10 n-Eicosane (C20)

R.T.: 12.913 min
Delta R.T.: -0.007 min
Response: 2479330
Conc: 15.99 ug/ml



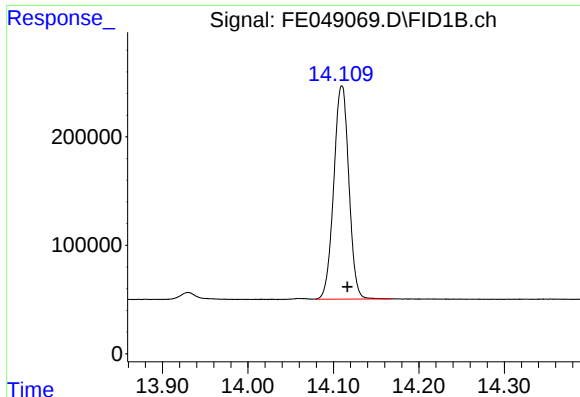
#11 n-Heneicosane (C21)

R.T.: 13.524 min
Delta R.T.: -0.007 min
Response: 2425877
Conc: 15.93 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.359 min
Delta R.T.: -0.005 min
Response: 2009243
Conc: 15.63 ug/ml



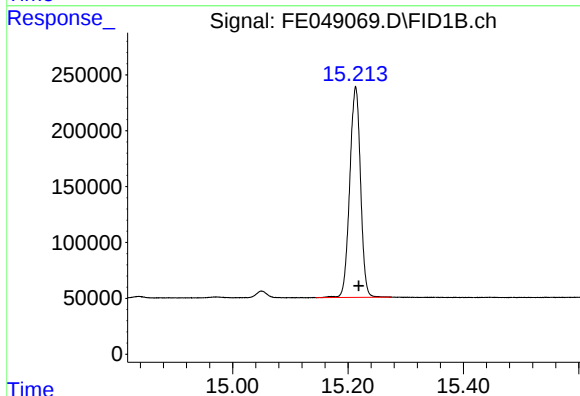
#13 n-Docosane (C22)

R.T.: 14.110 min
Delta R.T.: -0.007 min
Response: 2417768
Conc: 15.99 ug/ml

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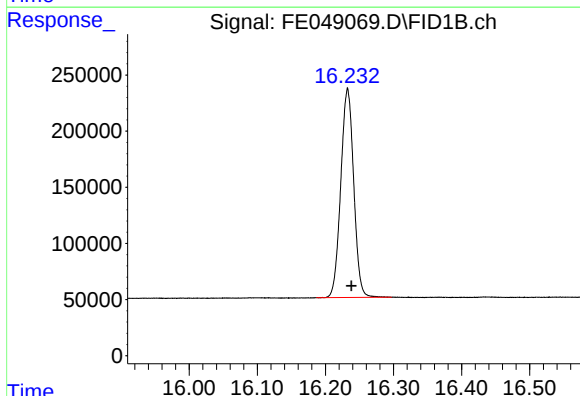
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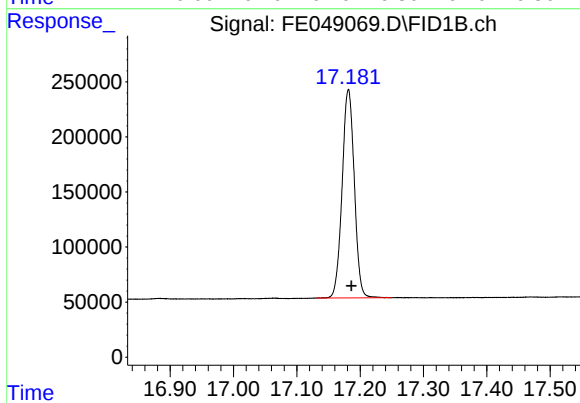
#14 n-Tetracosane (C24)

R.T.: 15.213 min
Delta R.T.: -0.005 min
Response: 2450088
Conc: 16.30 ug/ml



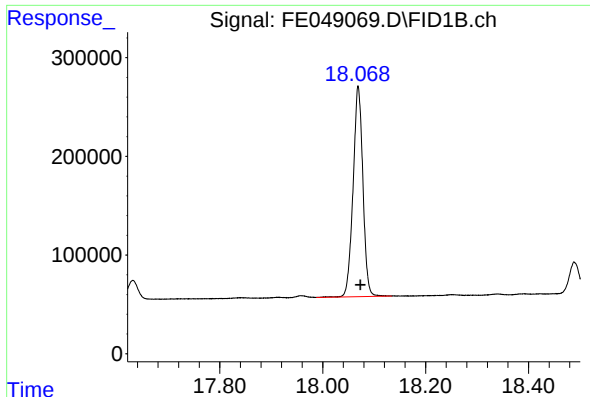
#15 n-Hexacosane (C26)

R.T.: 16.233 min
Delta R.T.: -0.006 min
Response: 2454996
Conc: 16.63 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.182 min
Delta R.T.: -0.005 min
Response: 2532055
Conc: 17.56 ug/ml



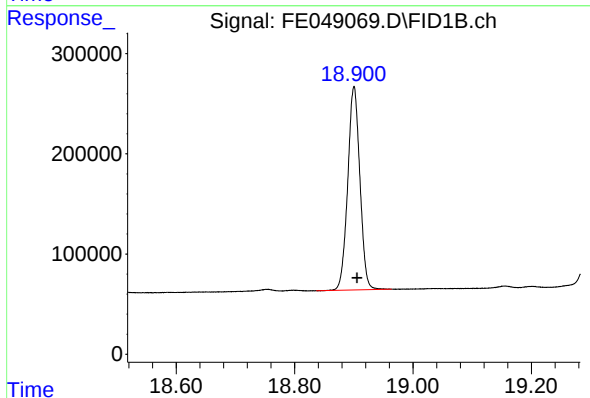
#17 n-Tricontane (C30)

R.T.: 18.069 min
Delta R.T.: -0.004 min
Response: 2819696
Conc: 19.27 ug/ml

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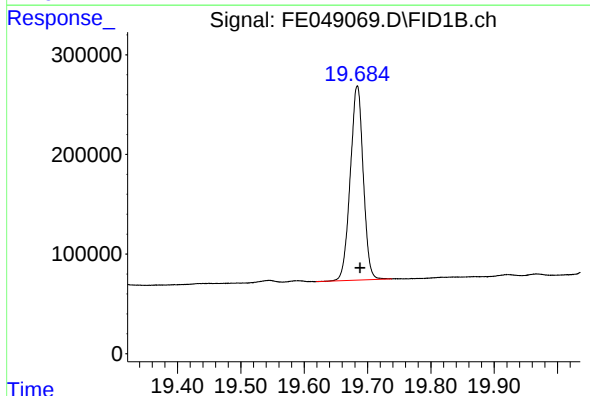
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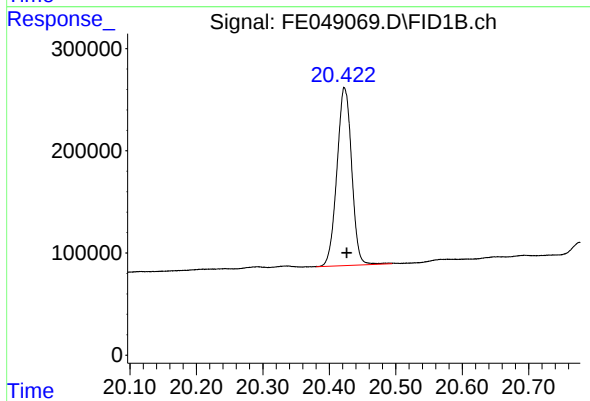
#18 n-Dotriacontane (C32)

R.T.: 18.900 min
Delta R.T.: -0.005 min
Response: 2893012
Conc: 20.23 ug/ml



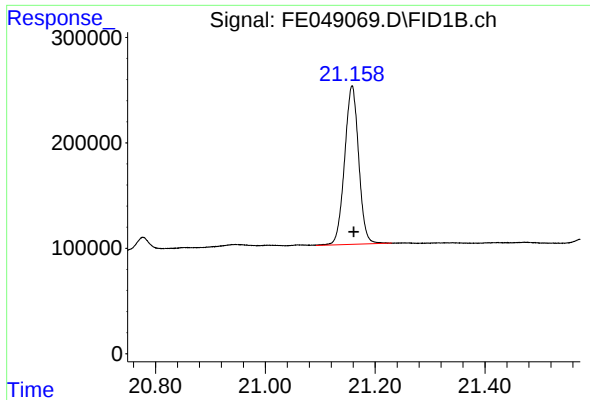
#19 n-Tetratriacontane (C34)

R.T.: 19.684 min
Delta R.T.: -0.004 min
Response: 2775523
Conc: 20.06 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.422 min
Delta R.T.: -0.005 min
Response: 2685182
Conc: 20.66 ug/ml m



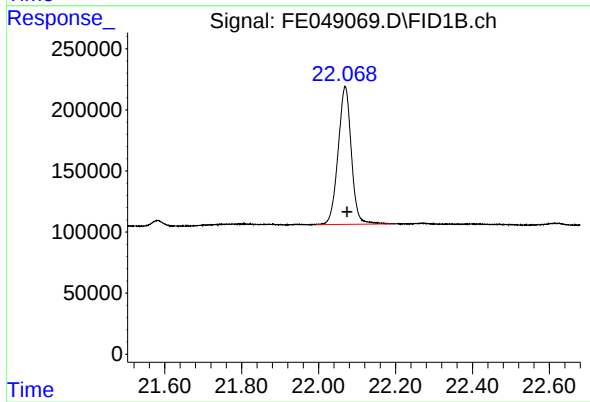
#21 n-Octatriacontane (C38)

R.T.: 21.158 min
Delta R.T.: -0.003 min
Response: 2674006
Conc: 20.86 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.068 min
Delta R.T.: -0.006 min
Response: 2689529
Conc: 21.96 ug/ml m