

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE071124AL\
 Data File : FE049063.D
 Signal(s) : FID1B.ch
 Acq On : 11 Jul 2024 10:07
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 100 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 01:26:56 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	2797817	16.732 ug/ml
Spiked Amount 50.000		Recovery =	33.46%
12) S 1-chlorooctadecane (S...	13.360	2128308	16.551 ug/ml
Spiked Amount 50.000		Recovery =	33.10%
Target Compounds			
1) T n-Nonane (C9)	3.312	2672486	17.776 ug/ml
2) T n-Decane (C10)	4.561	2787134	18.111 ug/ml
3) T A~Naphthalene (C11.7)	6.268	2813532	17.723 ug/ml
4) T n-Dodecane (C12)	6.727	2783390	18.030 ug/ml
5) T A~2-methylnaphthalene...	7.364	2681917	17.710 ug/ml
6) T n-Tetradecane (C14)	8.555	2745179	17.911 ug/ml
7) T n-Hexadecane (C16)	10.162	2770902	17.722 ug/ml
8) T n-Octadecane (C18)	11.605	2760376	17.308 ug/ml
10) T n-Eicosane (C20)	12.914	2620387	16.902 ug/ml
11) T n-Heneicosane (C21)	13.525	2570472	16.882 ug/ml
13) T n-Docosane (C22)	14.112	2544977	16.828 ug/ml
14) T n-Tetracosane (C24)	15.215	2566963	17.081 ug/ml
15) T n-Hexacosane (C26)	16.234	2551208	17.281 ug/ml
16) T n-Octacosane (C28)	17.183	2561974	17.765 ug/ml
17) T n-Tricontane (C30)	18.071	2728970	18.653 ug/ml
18) T n-Dotriacontane (C32)	18.902	2747750	19.218 ug/ml
19) T n-Tetratriacontane (C34)	19.686	2722455	19.675 ug/mlm
20) T n-Hexatriacontane (C36)	20.425	2664745	20.503 ug/ml
21) T n-Octatriacontane (C38)	21.161	2685218	20.946 ug/ml
22) T n-Tetracontane (C40)	22.073	2772346	22.639 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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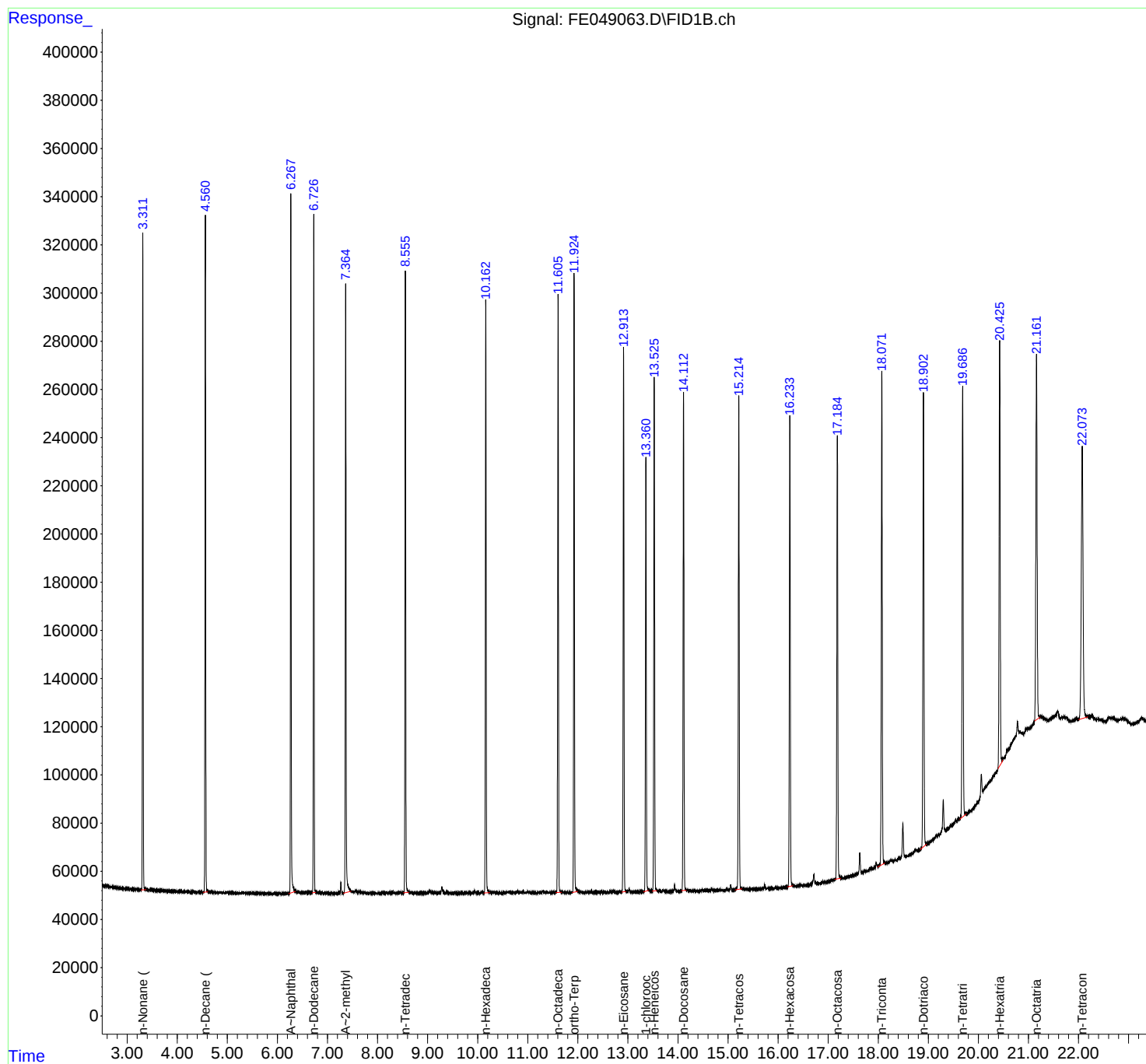
Instrument :
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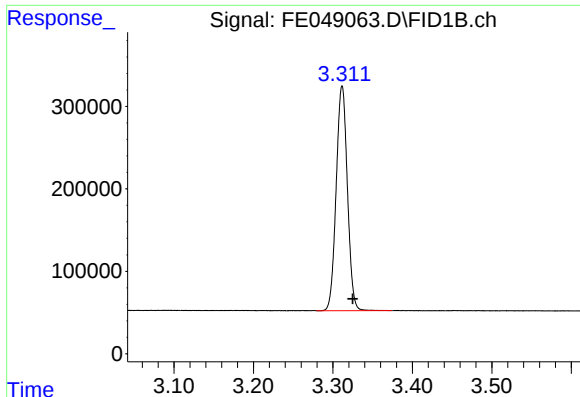
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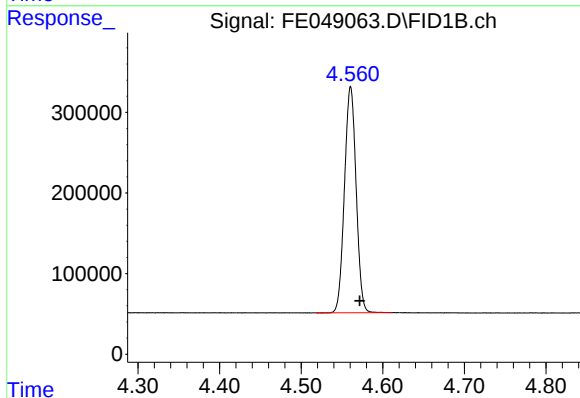
#1 n-Nonane (C9)

R.T.: 3.312 min
Delta R.T.: -0.013 min
Response: 2672486
Conc: 17.78 ug/ml

Instrument :
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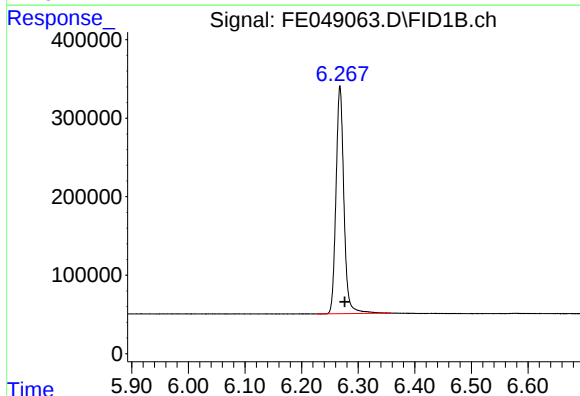
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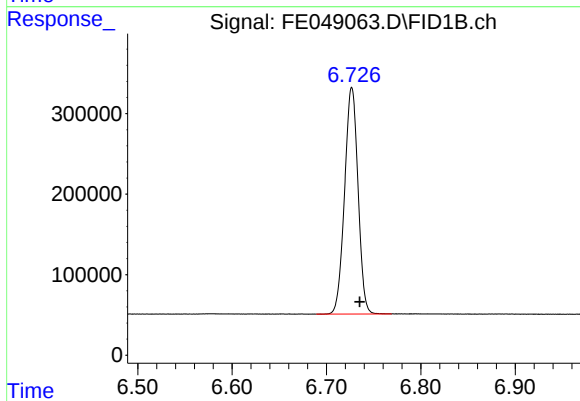
#2 n-Decane (C10)

R.T.: 4.561 min
Delta R.T.: -0.011 min
Response: 2787134
Conc: 18.11 ug/ml



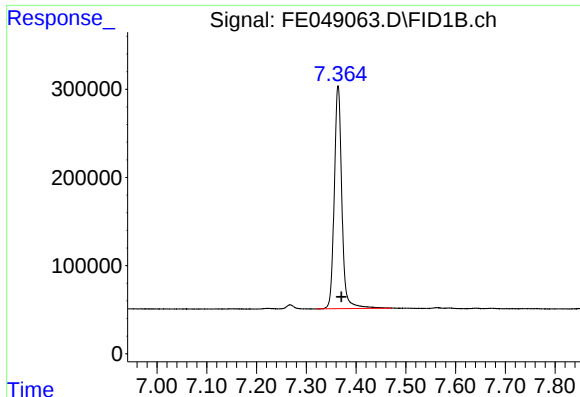
#3 A~Naphthalene (C11.7)

R.T.: 6.268 min
Delta R.T.: -0.008 min
Response: 2813532
Conc: 17.72 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.727 min
Delta R.T.: -0.008 min
Response: 2783390
Conc: 18.03 ug/ml



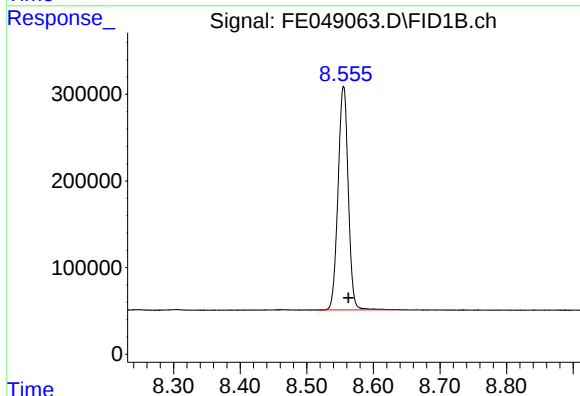
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.364 min
Delta R.T.: -0.007 min
Response: 2681917
Conc: 17.71 ug/ml

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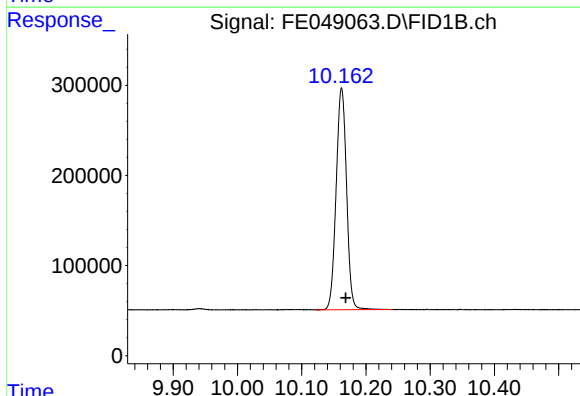
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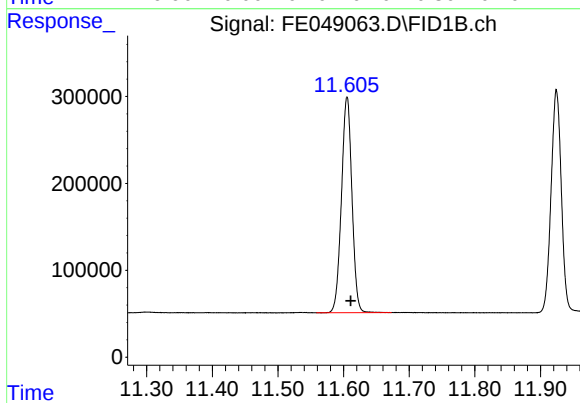
#6 n-Tetradecane (C14)

R.T.: 8.555 min
Delta R.T.: -0.007 min
Response: 2745179
Conc: 17.91 ug/ml



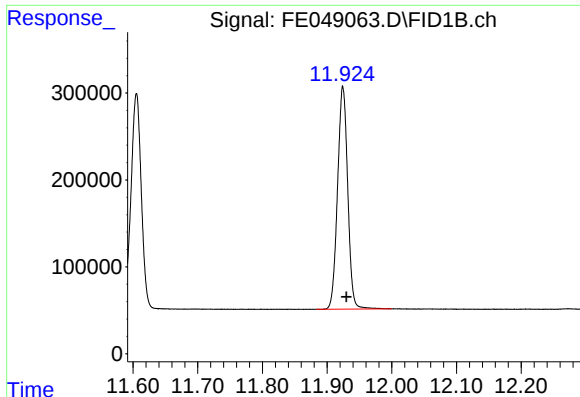
#7 n-Hexadecane (C16)

R.T.: 10.162 min
Delta R.T.: -0.007 min
Response: 2770902
Conc: 17.72 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.605 min
Delta R.T.: -0.006 min
Response: 2760376
Conc: 17.31 ug/ml



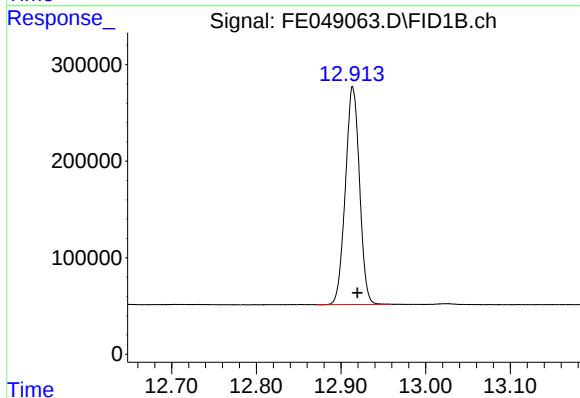
#9 ortho-Terphenyl (SURR)

R.T.: 11.924 min
Delta R.T.: -0.006 min
Response: 2797817
Conc: 16.73 ug/ml

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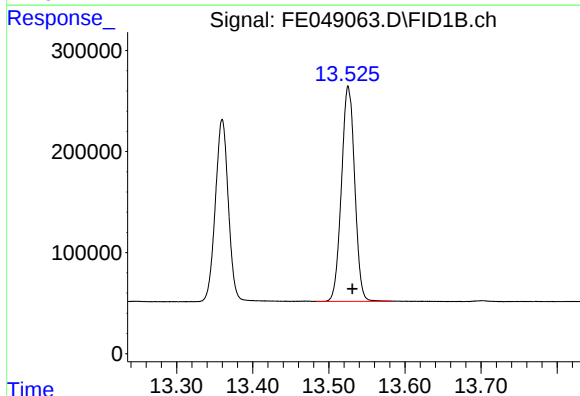
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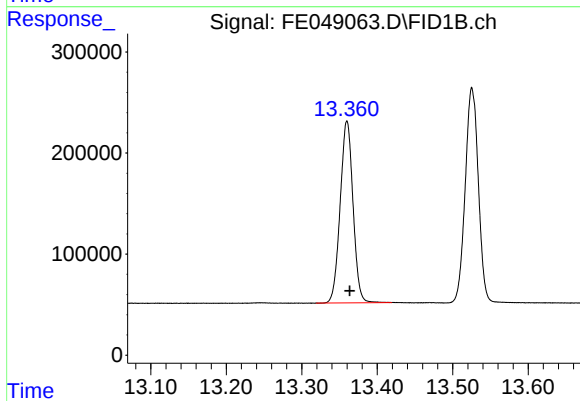
#10 n-Eicosane (C20)

R.T.: 12.914 min
Delta R.T.: -0.006 min
Response: 2620387
Conc: 16.90 ug/ml



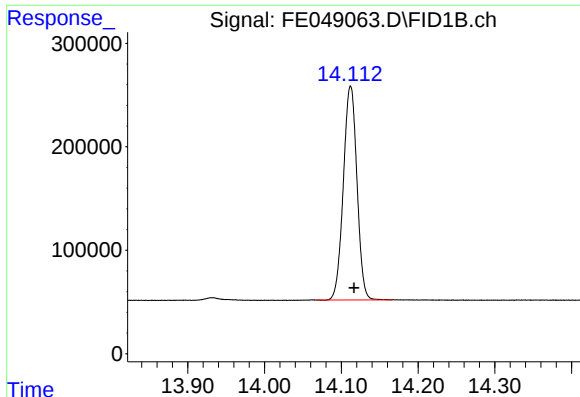
#11 n-Heneicosane (C21)

R.T.: 13.525 min
Delta R.T.: -0.005 min
Response: 2570472
Conc: 16.88 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.360 min
Delta R.T.: -0.004 min
Response: 2128308
Conc: 16.55 ug/ml



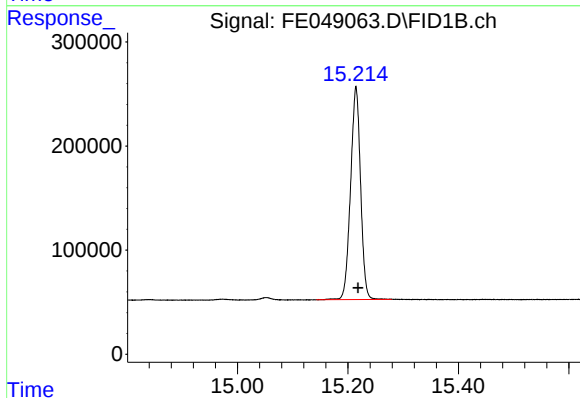
#13 n-Docosane (C22)

R.T.: 14.112 min
Delta R.T.: -0.004 min
Response: 2544977
Conc: 16.83 ug/ml

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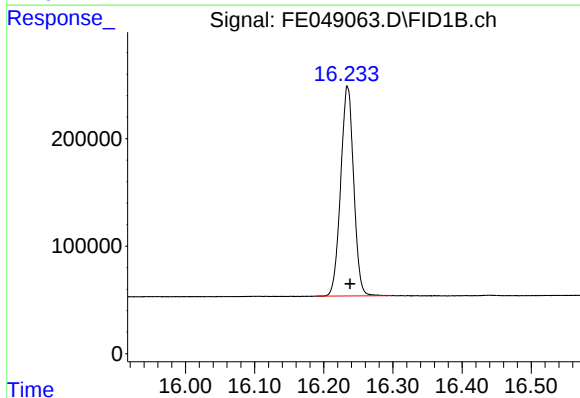
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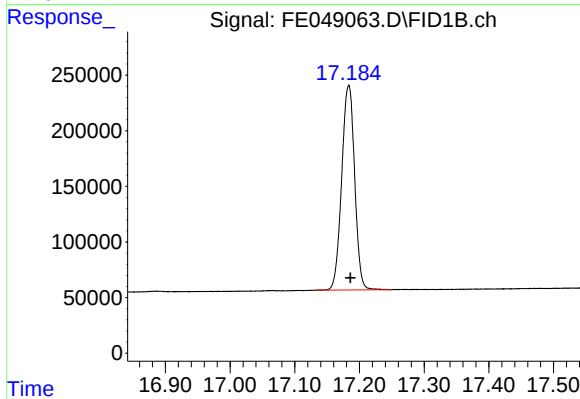
#14 n-Tetracosane (C24)

R.T.: 15.215 min
Delta R.T.: -0.004 min
Response: 2566963
Conc: 17.08 ug/ml



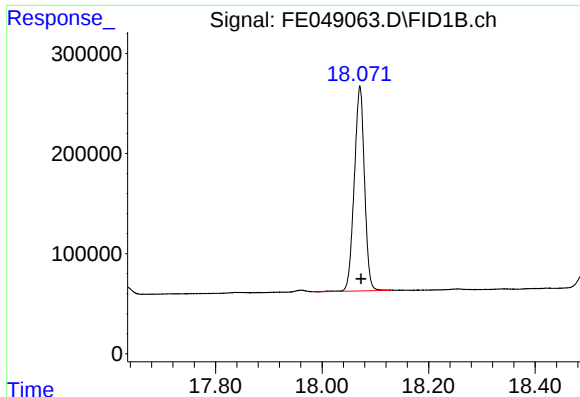
#15 n-Hexacosane (C26)

R.T.: 16.234 min
Delta R.T.: -0.004 min
Response: 2551208
Conc: 17.28 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.183 min
Delta R.T.: -0.003 min
Response: 2561974
Conc: 17.76 ug/ml



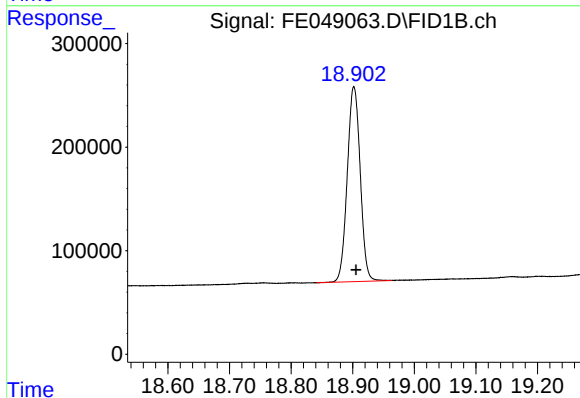
#17 n-Tricontane (C30)

R.T.: 18.071 min
Delta R.T.: -0.002 min
Response: 2728970
Conc: 18.65 ug/ml

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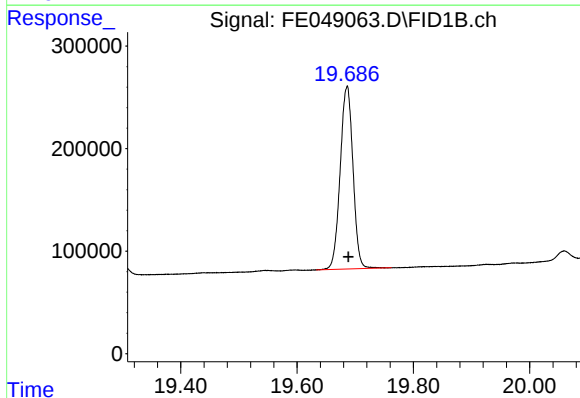
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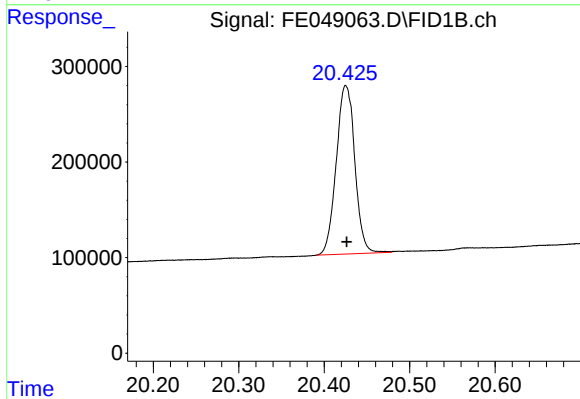
#18 n-Dotriacontane (C32)

R.T.: 18.902 min
Delta R.T.: -0.004 min
Response: 2747750
Conc: 19.22 ug/ml



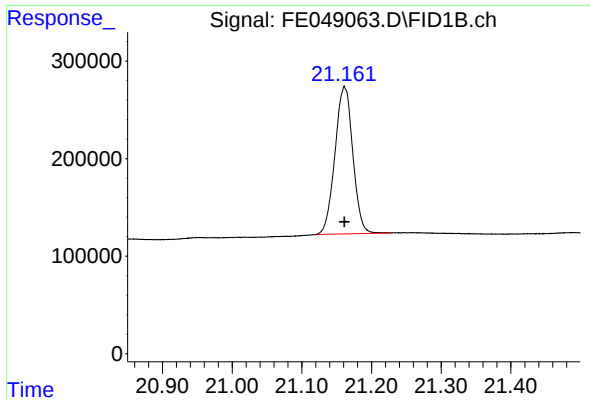
#19 n-Tetratriacontane (C34)

R.T.: 19.686 min
Delta R.T.: -0.002 min
Response: 2722455
Conc: 19.67 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.425 min
Delta R.T.: -0.001 min
Response: 2664745
Conc: 20.50 ug/ml



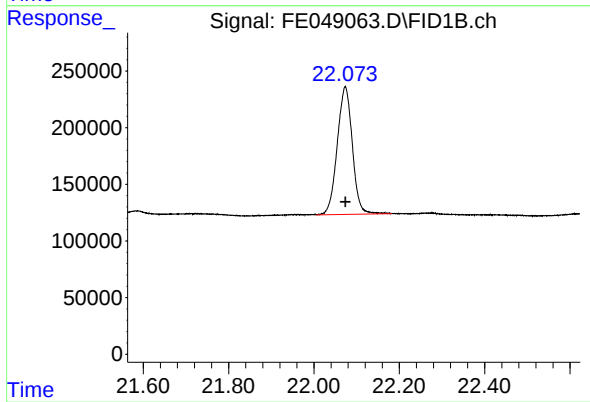
#21 n-Octatriacontane (C38)

R.T.: 21.161 min
Delta R.T.: 0.000 min
Response: 2685218
Conc: 20.95 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.073 min
Delta R.T.: 0.000 min
Response: 2772346
Conc: 22.64 ug/ml m