

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091124AL\
 Data File : FE049993.D
 Signal(s) : FID1B.ch
 Acq On : 10 Sep 2024 08:09
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/11/2024
 Supervised By :Ankita Jodhani 09/11/2024

Integration File: autoint1.e
 Quant Time: Sep 10 11:46:06 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 09 17:11:47 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)	11.874	3025694	20.337 ug/ml
Spiked Amount 50.000		Recovery =	40.67%
12) S 1-chlorooctadecane (S...	13.309	2342546	20.855 ug/ml
Spiked Amount 50.000		Recovery =	41.71%
Target Compounds			
1) T n-Nonane (C9)	3.260	2792227	20.600 ug/mlm
2) T n-Decane (C10)	4.511	2845000	20.614 ug/ml
3) T A~Naphthalene (C11.7)	6.220	2914684	20.824 ug/ml
4) T n-Dodecane (C12)	6.680	2854851	20.645 ug/ml
5) T A~2-methylnaphthalene...	7.317	2751369	20.933 ug/ml
6) T n-Tetradecane (C14)	8.508	2807600	20.618 ug/ml
7) T n-Hexadecane (C16)	10.114	2913009	20.972 ug/ml
8) T n-Octadecane (C18)	11.555	2915247	20.808 ug/ml
10) T n-Eicosane (C20)	12.864	2788757	20.789 ug/ml
11) T n-Heneicosane (C21)	13.475	2742969	20.875 ug/ml
13) T n-Docosane (C22)	14.061	2704387	20.768 ug/ml
14) T n-Tetracosane (C24)	15.163	2719195	20.822 ug/ml
15) T n-Hexacosane (C26)	16.183	2650436	20.716 ug/ml
16) T n-Octacosane (C28)	17.131	2672737	20.750 ug/ml
17) T n-Tricontane (C30)	18.019	2747827	20.549 ug/ml
18) T n-Dotriacontane (C32)	18.850	2723021	20.434 ug/ml
19) T n-Tetratriacontane (C34)	19.632	2514691	20.352 ug/ml
20) T n-Hexatriacontane (C36)	20.371	2262064	20.388 ug/mlm
21) T n-Octatriacontane (C38)	21.099	2244991	20.357 ug/ml
22) T n-Tetracontane (C40)	21.988	2218144	20.385 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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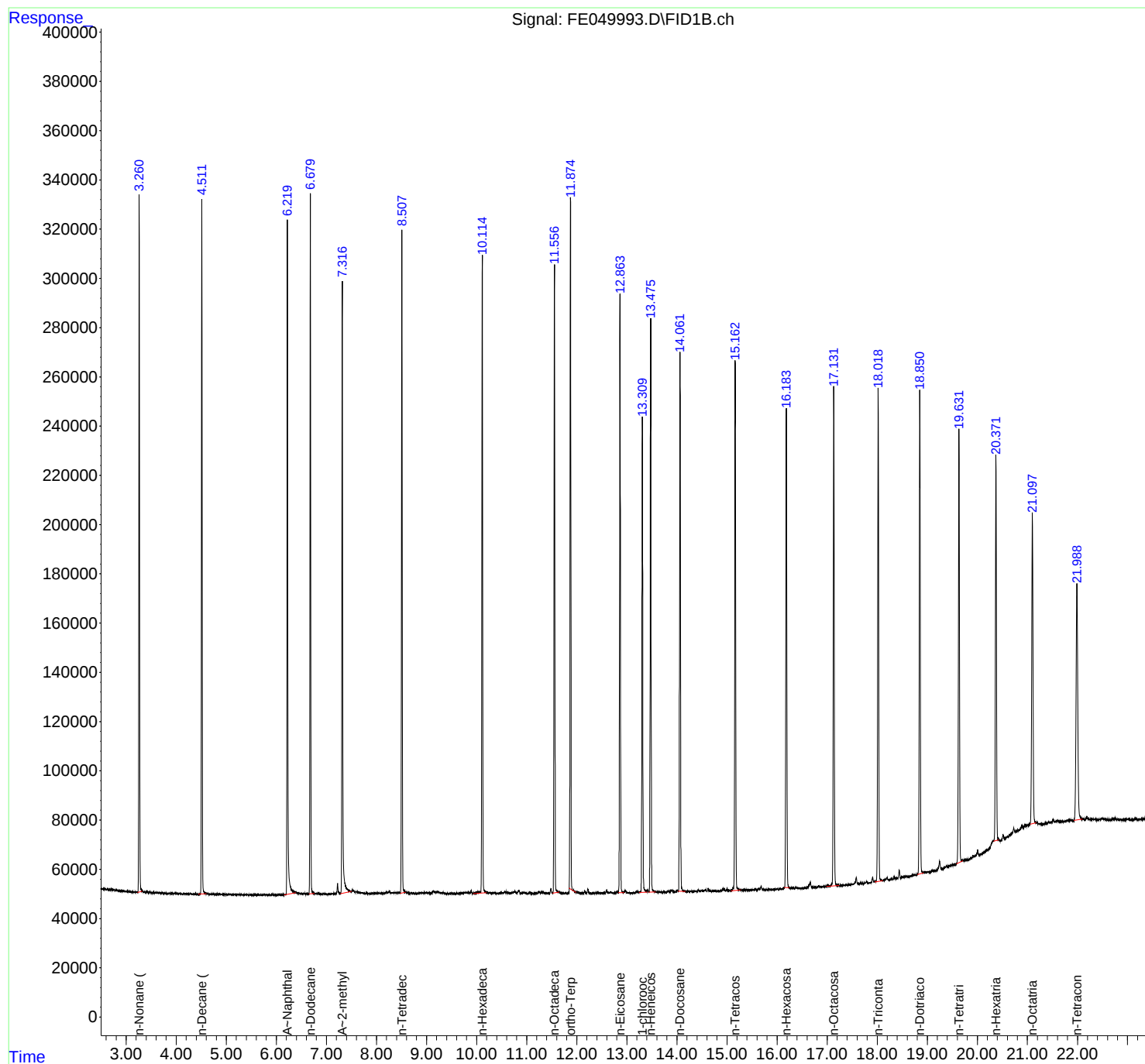
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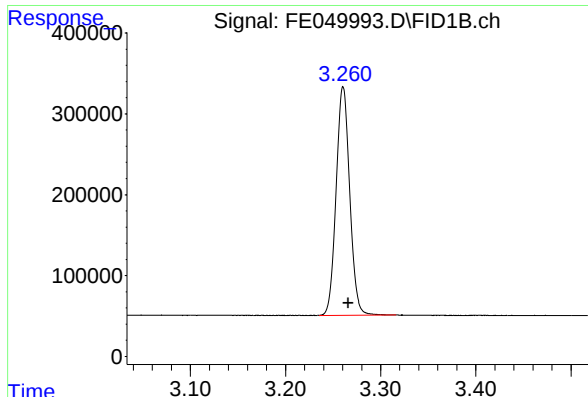
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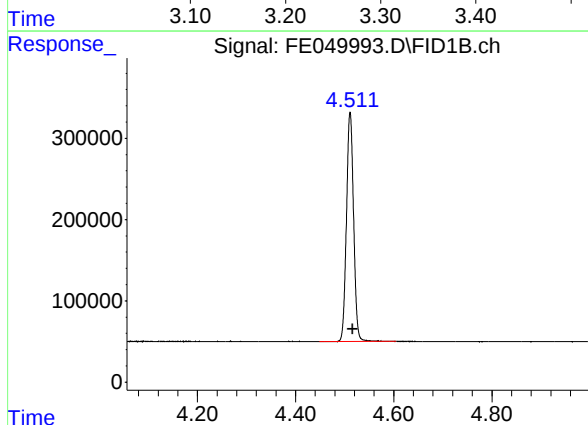
#1 n-Nonane (C9)

R.T.: 3.260 min
Delta R.T.: -0.006 min
Response: 2792227
Conc: 20.60 ug/ml

Instrument : FID_E
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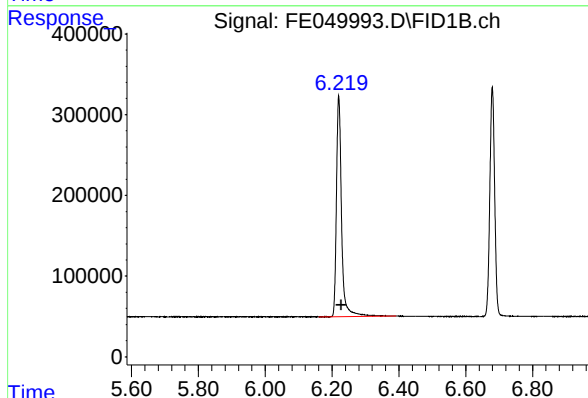
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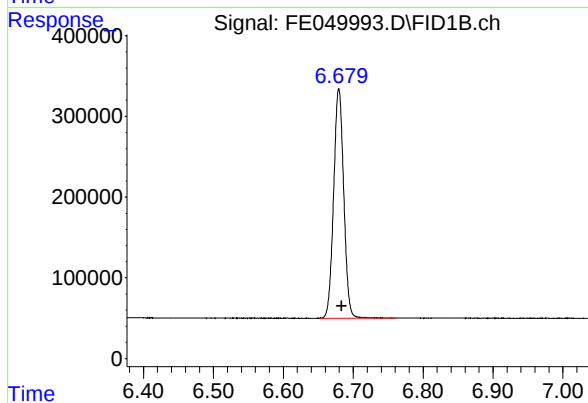
#2 n-Decane (C10)

R.T.: 4.511 min
Delta R.T.: -0.005 min
Response: 2845000
Conc: 20.61 ug/ml



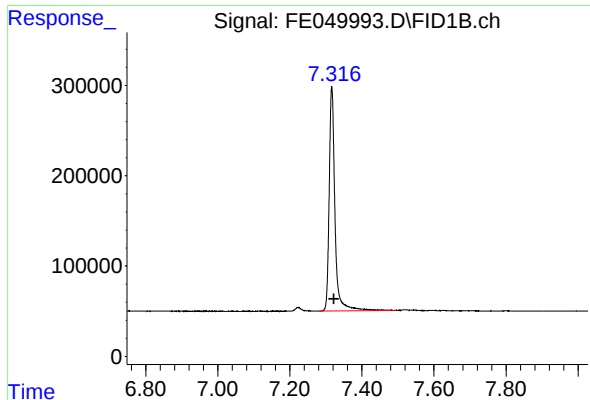
#3 A~Naphthalene (C11.7)

R.T.: 6.220 min
Delta R.T.: -0.007 min
Response: 2914684
Conc: 20.82 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.680 min
Delta R.T.: -0.004 min
Response: 2854851
Conc: 20.64 ug/ml



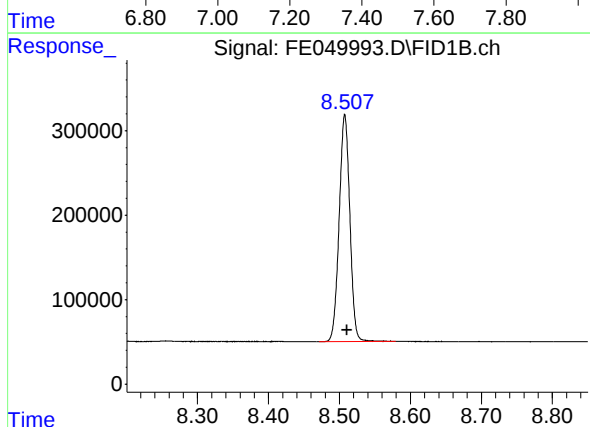
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.317 min
Delta R.T.: -0.006 min
Response: 2751369
Conc: 20.93 ug/ml

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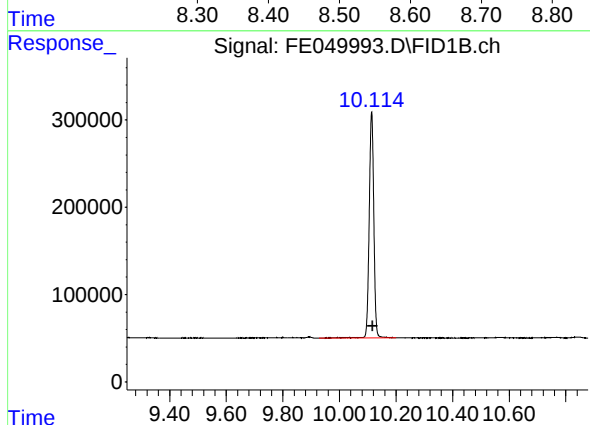
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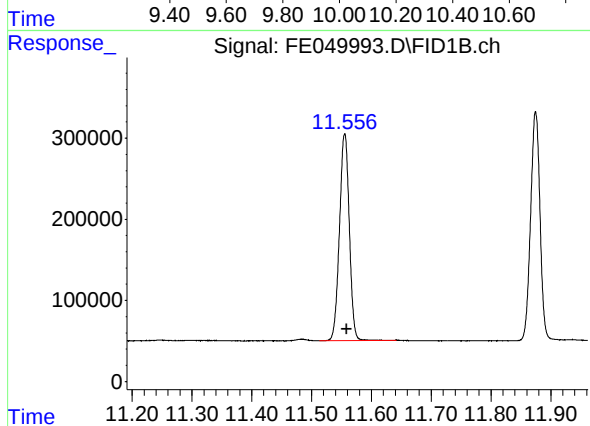
#6 n-Tetradecane (C14)

R.T.: 8.508 min
Delta R.T.: -0.003 min
Response: 2807600
Conc: 20.62 ug/ml



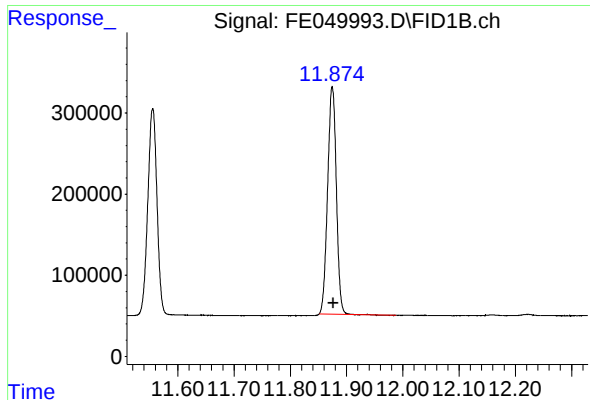
#7 n-Hexadecane (C16)

R.T.: 10.114 min
Delta R.T.: -0.003 min
Response: 2913009
Conc: 20.97 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.555 min
Delta R.T.: -0.003 min
Response: 2915247
Conc: 20.81 ug/ml



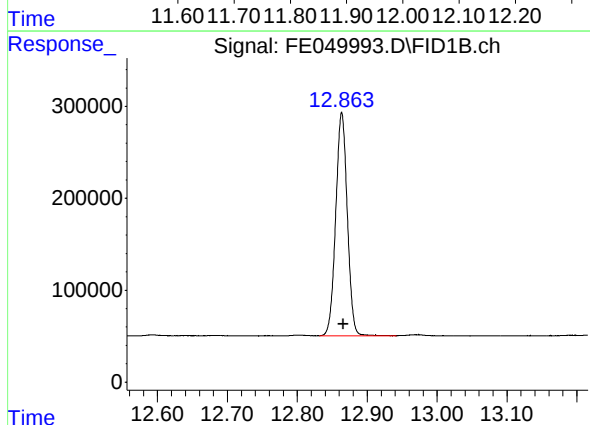
#9 ortho-Terphenyl (SURR)

R.T.: 11.874 min
Delta R.T.: -0.002 min
Response: 3025694
Conc: 20.34 ug/ml

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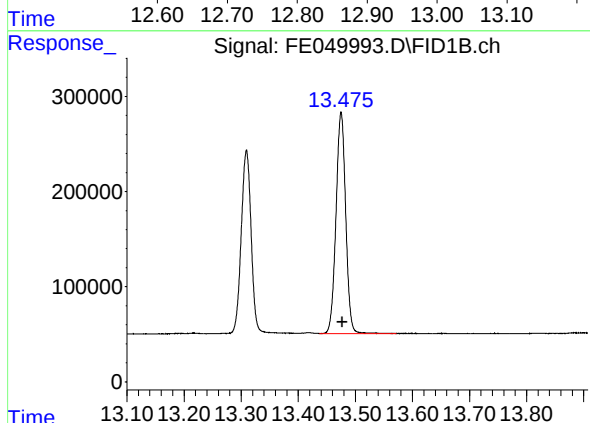
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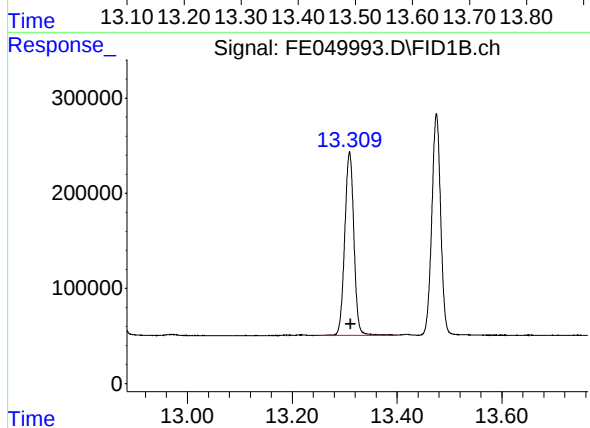
#10 n-Eicosane (C20)

R.T.: 12.864 min
Delta R.T.: -0.002 min
Response: 2788757
Conc: 20.79 ug/ml



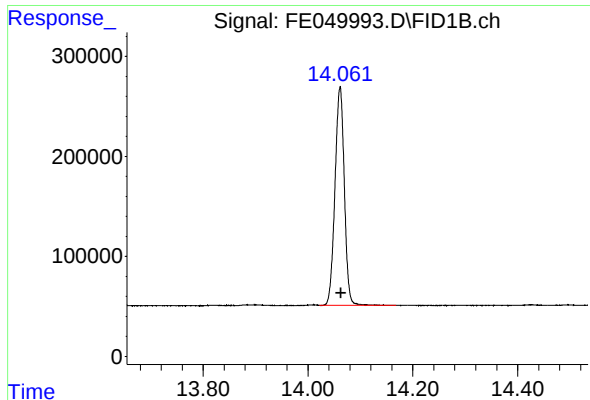
#11 n-Heneicosane (C21)

R.T.: 13.475 min
Delta R.T.: -0.002 min
Response: 2742969
Conc: 20.88 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.309 min
Delta R.T.: -0.002 min
Response: 2342546
Conc: 20.85 ug/ml



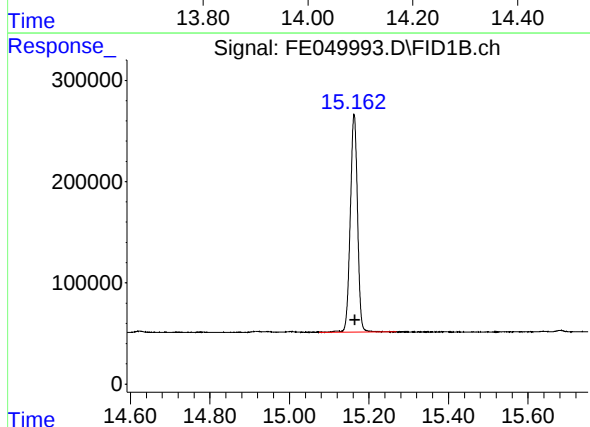
#13 n-Docosane (C22)

R.T.: 14.061 min
Delta R.T.: -0.002 min
Response: 2704387
Conc: 20.77 ug/ml

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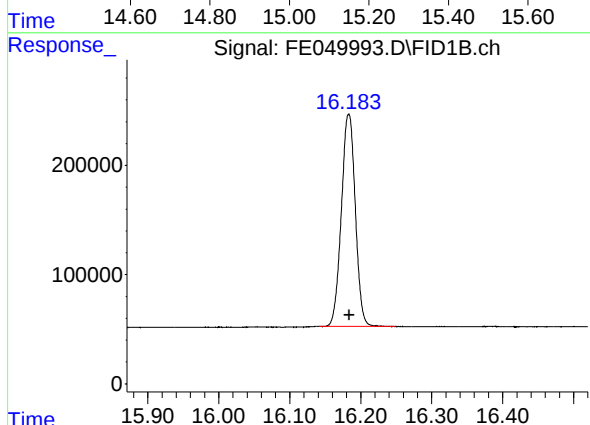
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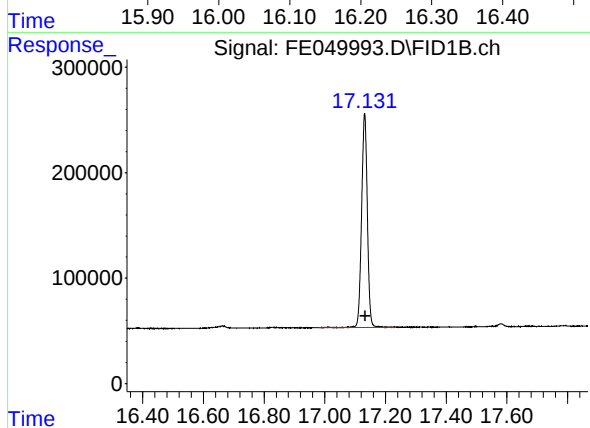
#14 n-Tetracosane (C24)

R.T.: 15.163 min
Delta R.T.: -0.002 min
Response: 2719195
Conc: 20.82 ug/ml



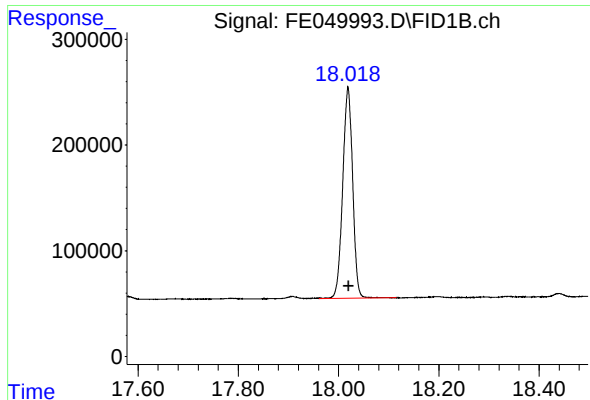
#15 n-Hexacosane (C26)

R.T.: 16.183 min
Delta R.T.: 0.000 min
Response: 2650436
Conc: 20.72 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.131 min
Delta R.T.: -0.002 min
Response: 2672737
Conc: 20.75 ug/ml



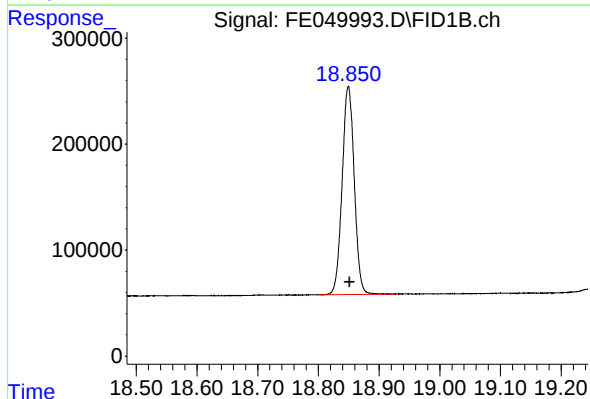
#17 n-Tricontane (C30)

R.T.: 18.019 min
Delta R.T.: -0.001 min
Response: 2747827
Conc: 20.55 ug/ml

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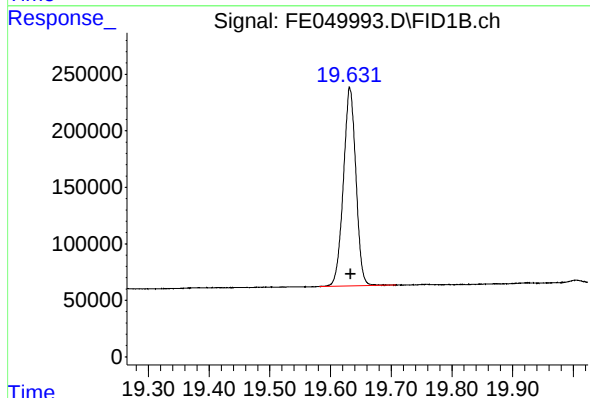
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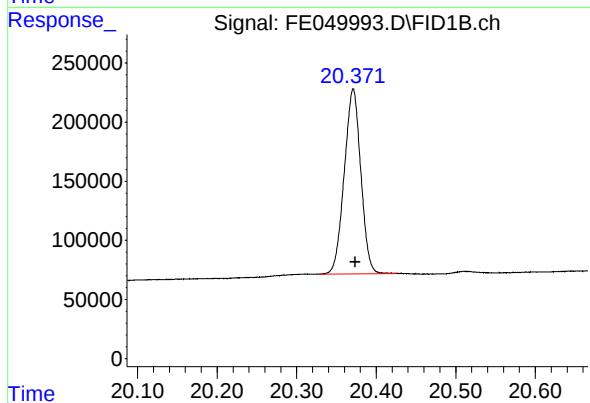
#18 n-Dotriacontane (C32)

R.T.: 18.850 min
Delta R.T.: -0.002 min
Response: 2723021
Conc: 20.43 ug/ml



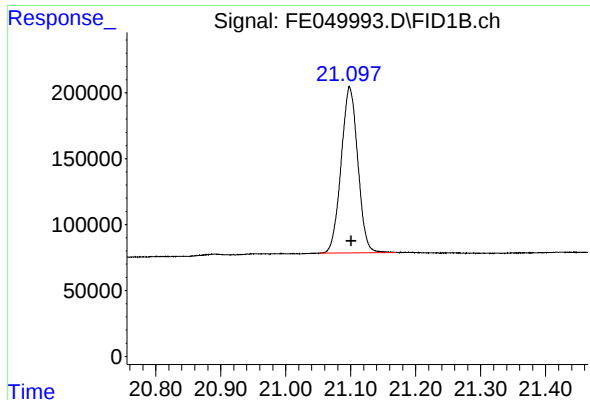
#19 n-Tetratriacontane (C34)

R.T.: 19.632 min
Delta R.T.: -0.002 min
Response: 2514691
Conc: 20.35 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.371 min
Delta R.T.: -0.003 min
Response: 2262064
Conc: 20.39 ug/ml m



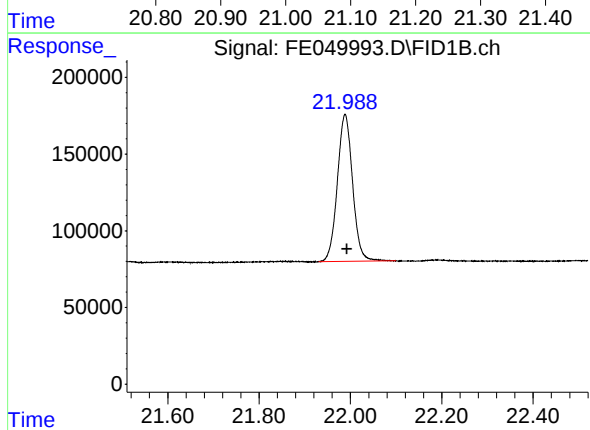
#21 n-Octatriacontane (C38)

R.T.: 21.099 min
Delta R.T.: -0.002 min
Response: 2244991
Conc: 20.36 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.988 min
Delta R.T.: -0.004 min
Response: 2218144
Conc: 20.38 ug/ml