

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081624AL\
 Data File : FE049653.D
 Signal(s) : FID1B.ch
 Acq On : 16 Aug 2024 20:27
 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 08/19/2024
 Supervised By :Ankita Jodhani 08/19/2024

Integration File: autoint1.e
 Quant Time: Aug 16 23:42:51 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 081424.M
 Quant Title : GC Extractables
 QLast Update : Wed Aug 14 11:05:17 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)	11.888	3094190	19.134 ug/ml
Spiked Amount 50.000		Recovery =	38.27%
12) S 1-chlorooctadecane (S...	13.324	2360543	19.348 ug/ml
Spiked Amount 50.000		Recovery =	38.70%
Target Compounds			
1) T n-Nonane (C9)	3.277	2801256	18.101 ug/ml
2) T n-Decane (C10)	4.527	2960249	18.749 ug/ml
3) T A~Naphthalene (C11.7)	6.235	3032526	18.900 ug/ml
4) T n-Dodecane (C12)	6.694	2989073	19.013 ug/ml
5) T A~2-methylnaphthalene...	7.331	2897675	19.350 ug/ml
6) T n-Tetradecane (C14)	8.522	2941963	19.057 ug/ml
7) T n-Hexadecane (C16)	10.128	3003760	19.233 ug/ml
8) T n-Octadecane (C18)	11.570	3011186	19.173 ug/ml
10) T n-Eicosane (C20)	12.878	2874614	19.253 ug/ml
11) T n-Heneicosane (C21)	13.490	2821843	19.236 ug/ml
13) T n-Docosane (C22)	14.075	2800219	19.212 ug/ml
14) T n-Tetracosane (C24)	15.177	2815494	19.355 ug/ml
15) T n-Hexacosane (C26)	16.198	2785549	19.301 ug/ml
16) T n-Octacosane (C28)	17.146	2840040	19.717 ug/mlm
17) T n-Tricontane (C30)	18.034	3097132	20.688 ug/ml
18) T n-Dotriacontane (C32)	18.866	3201908	21.165 ug/ml
19) T n-Tetratriacontane (C34)	19.649	3184265	20.828 ug/ml
20) T n-Hexatriacontane (C36)	20.388	3110275	20.482 ug/ml
21) T n-Octatriacontane (C38)	21.116	3083169	19.644 ug/ml
22) T n-Tetracontane (C40)	22.011	2885634	18.900 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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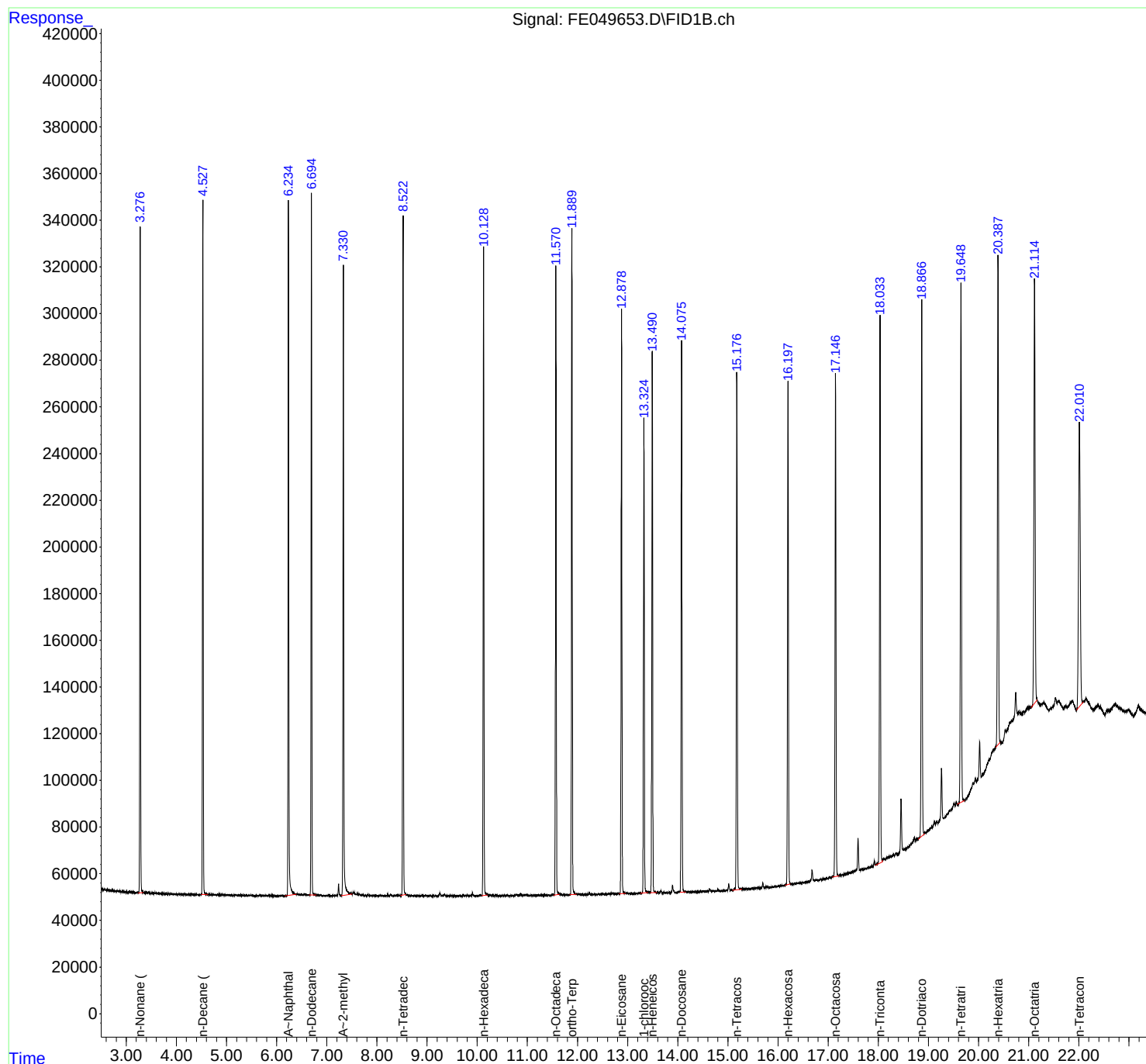
Instrument :
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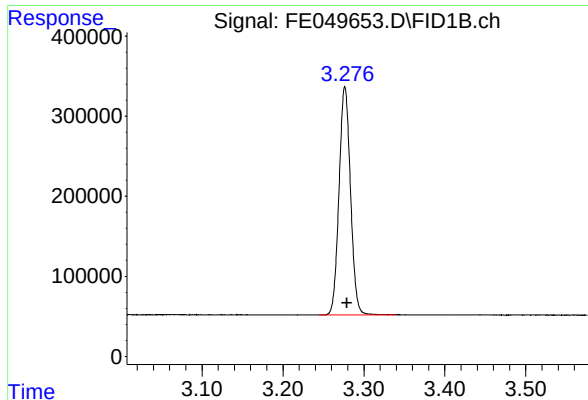
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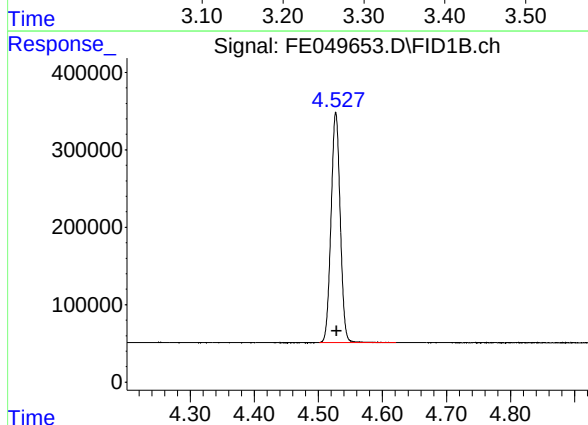
#1 n-Nonane (C9)

R.T.: 3.277 min
Delta R.T.: -0.002 min
Response: 2801256
Conc: 18.10 ug/ml

Instrument : FID_E
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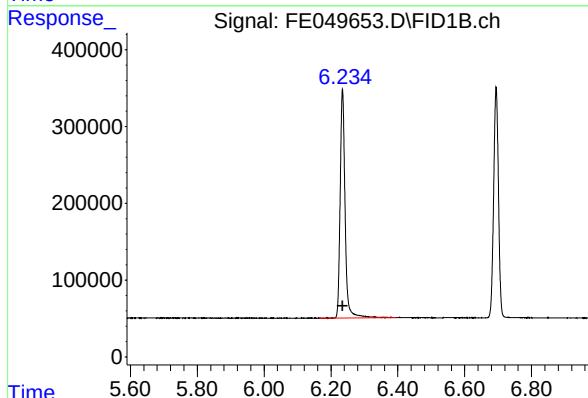
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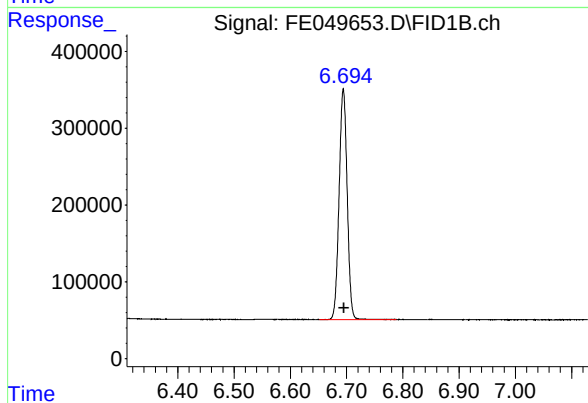
#2 n-Decane (C10)

R.T.: 4.527 min
Delta R.T.: -0.001 min
Response: 2960249
Conc: 18.75 ug/ml



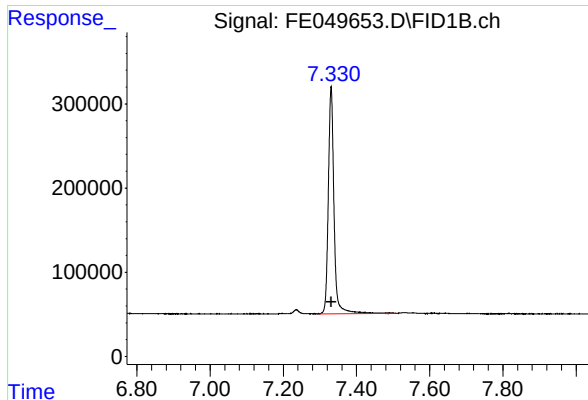
#3 A~Naphthalene (C11.7)

R.T.: 6.235 min
Delta R.T.: 0.000 min
Response: 3032526
Conc: 18.90 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.694 min
Delta R.T.: -0.001 min
Response: 2989073
Conc: 19.01 ug/ml



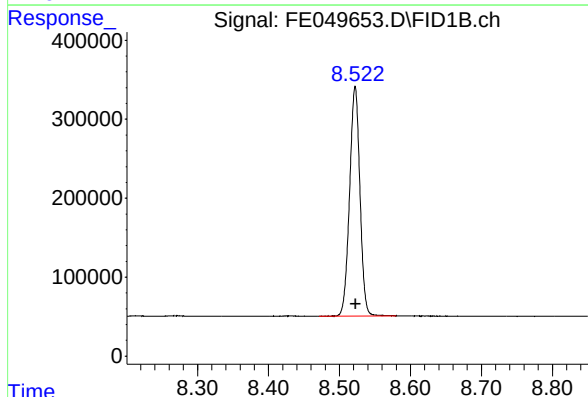
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.331 min
Delta R.T.: 0.000 min
Response: 2897675
Conc: 19.35 ug/ml

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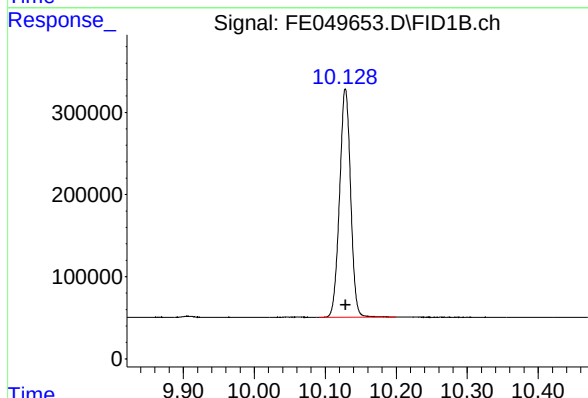
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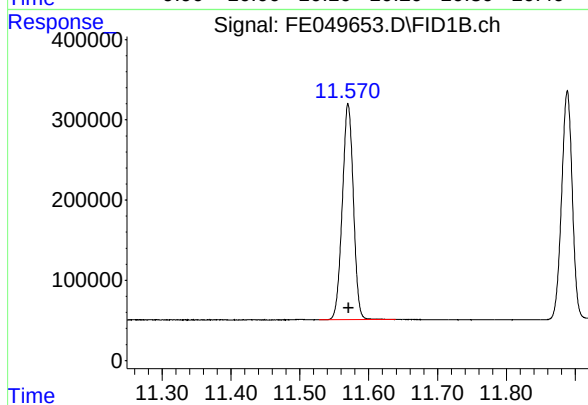
#6 n-Tetradecane (C14)

R.T.: 8.522 min
Delta R.T.: 0.000 min
Response: 2941963
Conc: 19.06 ug/ml



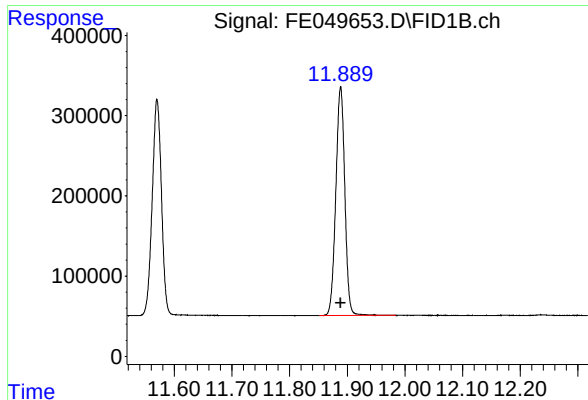
#7 n-Hexadecane (C16)

R.T.: 10.128 min
Delta R.T.: 0.000 min
Response: 3003760
Conc: 19.23 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.570 min
Delta R.T.: 0.000 min
Response: 3011186
Conc: 19.17 ug/ml



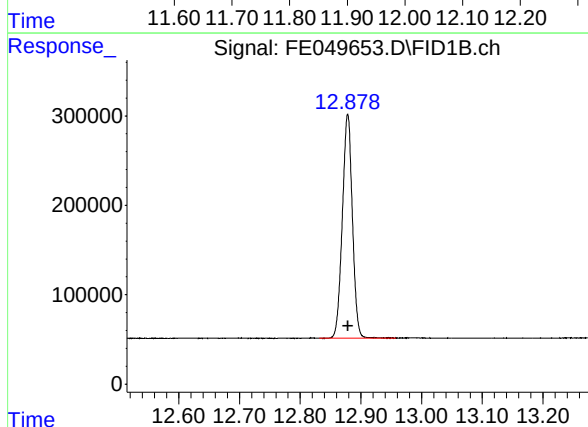
#9 ortho-Terphenyl (SURR)

R.T.: 11.888 min
Delta R.T.: 0.000 min
Response: 3094190
Conc: 19.13 ug/ml

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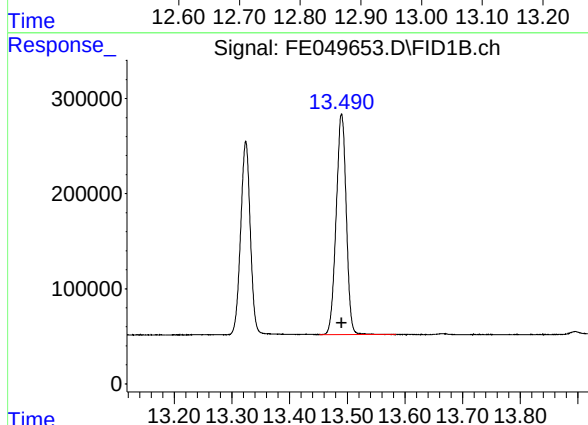
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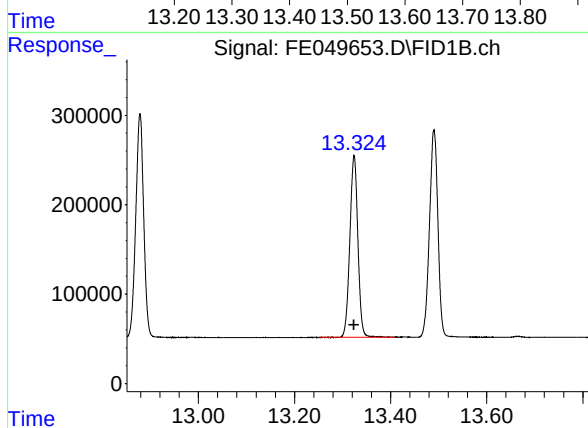
#10 n-Eicosane (C20)

R.T.: 12.878 min
Delta R.T.: 0.000 min
Response: 2874614
Conc: 19.25 ug/ml



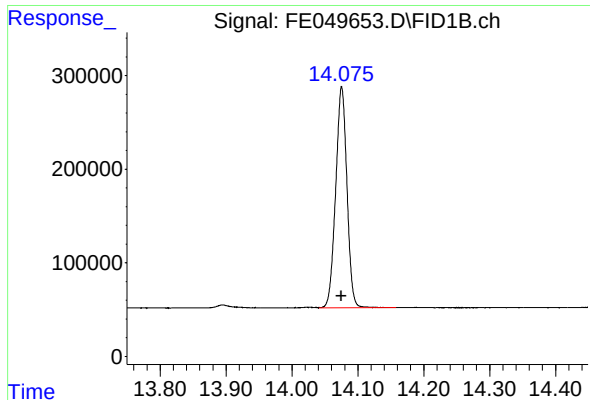
#11 n-Heneicosane (C21)

R.T.: 13.490 min
Delta R.T.: 0.000 min
Response: 2821843
Conc: 19.24 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.324 min
Delta R.T.: 0.000 min
Response: 2360543
Conc: 19.35 ug/ml



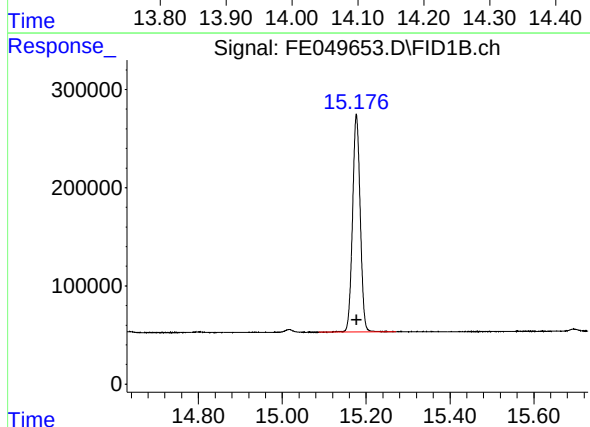
#13 n-Docosane (C22)

R.T.: 14.075 min
Delta R.T.: 0.000 min
Response: 2800219
Conc: 19.21 ug/ml

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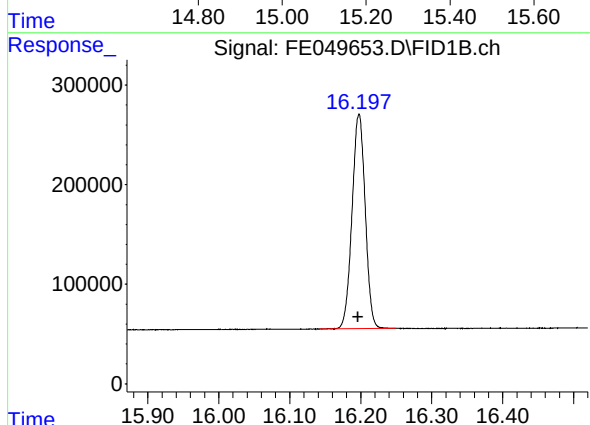
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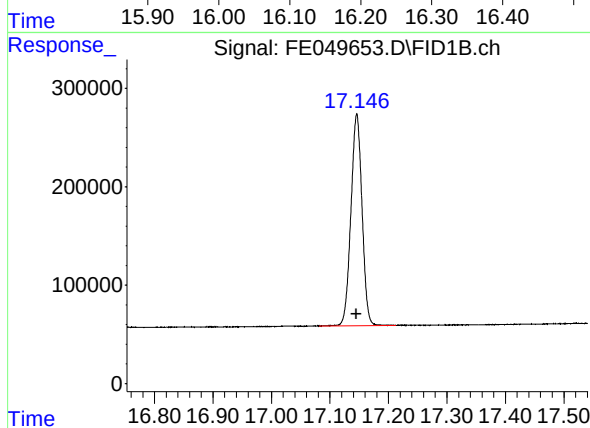
#14 n-Tetracosane (C24)

R.T.: 15.177 min
Delta R.T.: 0.000 min
Response: 2815494
Conc: 19.36 ug/ml



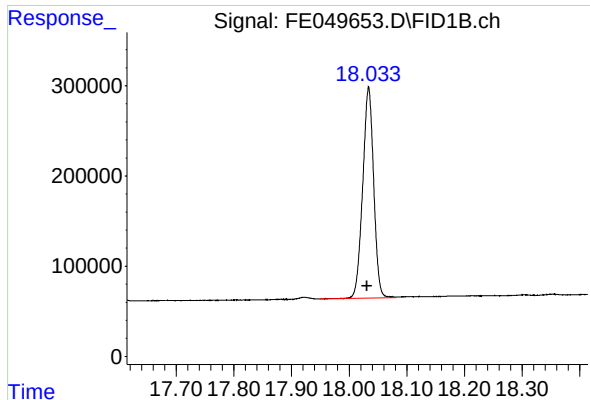
#15 n-Hexacosane (C26)

R.T.: 16.198 min
Delta R.T.: 0.000 min
Response: 2785549
Conc: 19.30 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.146 min
Delta R.T.: 0.000 min
Response: 2840040
Conc: 19.72 ug/ml m



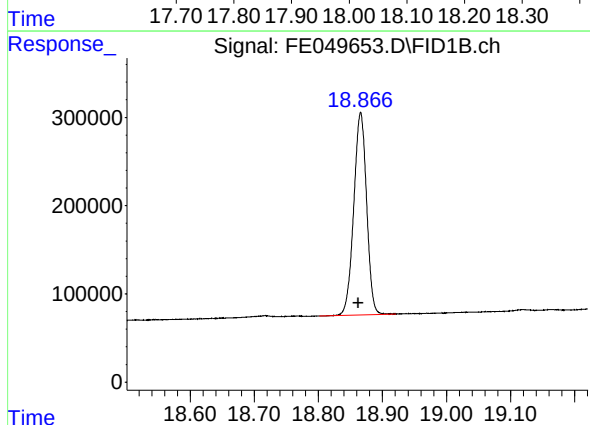
#17 n-Tricontane (C30)

R.T.: 18.034 min
Delta R.T.: 0.003 min
Response: 3097132
Conc: 20.69 ug/ml

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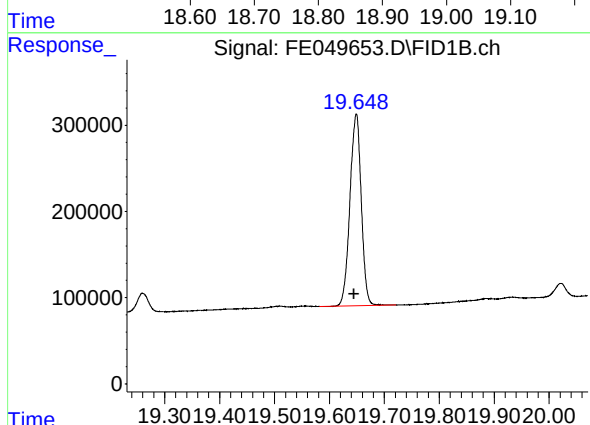
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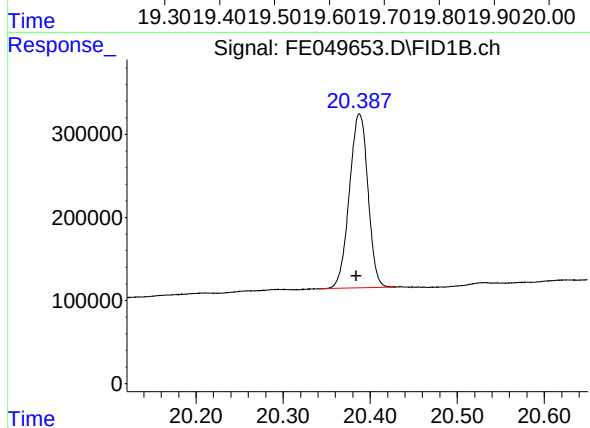
#18 n-Dotriacontane (C32)

R.T.: 18.866 min
Delta R.T.: 0.004 min
Response: 3201908
Conc: 21.17 ug/ml



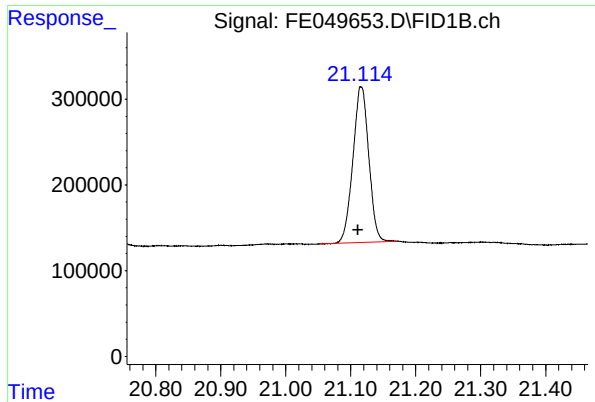
#19 n-Tetratriacontane (C34)

R.T.: 19.649 min
Delta R.T.: 0.004 min
Response: 3184265
Conc: 20.83 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.388 min
Delta R.T.: 0.004 min
Response: 3110275
Conc: 20.48 ug/ml



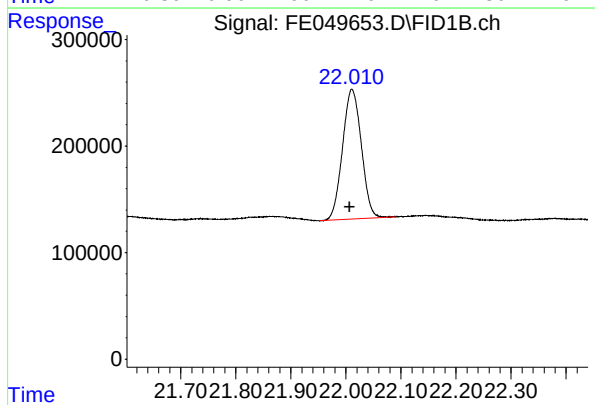
#21 n-Octatriacontane (C38)

R.T.: 21.116 min
Delta R.T.: 0.005 min
Response: 3083169
Conc: 19.64 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.011 min
Delta R.T.: 0.004 min
Response: 2885634
Conc: 18.90 ug/ml