

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032823AL\
 Data File : FE041059.D
 Signal(s) : FID1B.ch
 Acq On : 28 Mar 2023 22:33
 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 03/29/2023
 Supervised By :Ankita Jodhani 03/29/2023

Integration File: autoint1.e
 Quant Time: Mar 29 01:33:07 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032523.M
 Quant Title : GC Extractables
 QLast Update : Sat Mar 25 06:32:15 2023
 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)	11.852	3771534	20.068 ug/ml
Spiked Amount 50.000		Recovery =	40.14%
12) S 1-chlorooctadecane (S...	13.291	2890457	20.089 ug/ml
Spiked Amount 50.000		Recovery =	40.18%
Target Compounds			
1) T n-Nonane (C9)	3.253	3480138	20.057 ug/ml
2) T n-Decane (C10)	4.500	3442331	20.223 ug/ml
3) T A~Naphthalene (C11.7)	6.202	3835494	20.969 ug/ml
4) T n-Dodecane (C12)	6.664	3508525	20.227 ug/ml
5) T A~2-methylnaphthalene...	7.297	3608041	21.786 ug/ml
6) T n-Tetradecane (C14)	8.490	3516582	20.168 ug/ml
7) T n-Hexadecane (C16)	10.096	3583049	20.146 ug/ml
8) T n-Octadecane (C18)	11.538	3577854	20.038 ug/ml
10) T n-Eicosane (C20)	12.848	3410193	19.992 ug/ml
11) T n-Heneicosane (C21)	13.459	3370217	19.920 ug/ml
13) T n-Docosane (C22)	14.045	3287554	19.866 ug/ml
14) T n-Tetracosane (C24)	15.148	3201990	19.791 ug/ml
15) T n-Hexacosane (C26)	16.169	3082349	19.884 ug/ml
16) T n-Octacosane (C28)	17.119	3041648	19.857 ug/ml
17) T n-Tricontane (C30)	18.008	3044555	19.918 ug/ml
18) T n-Dotriacontane (C32)	18.841	3122863	20.002 ug/ml
19) T n-Tetratriacontane (C34)	19.627	3140786	20.267 ug/mlm
20) T n-Hexatriacontane (C36)	20.366	3083958	20.303 ug/mlm
21) T n-Octatriacontane (C38)	21.096	3188435	20.410 ug/mlm
22) T n-Tetracontane (C40)	21.976	3329318	20.860 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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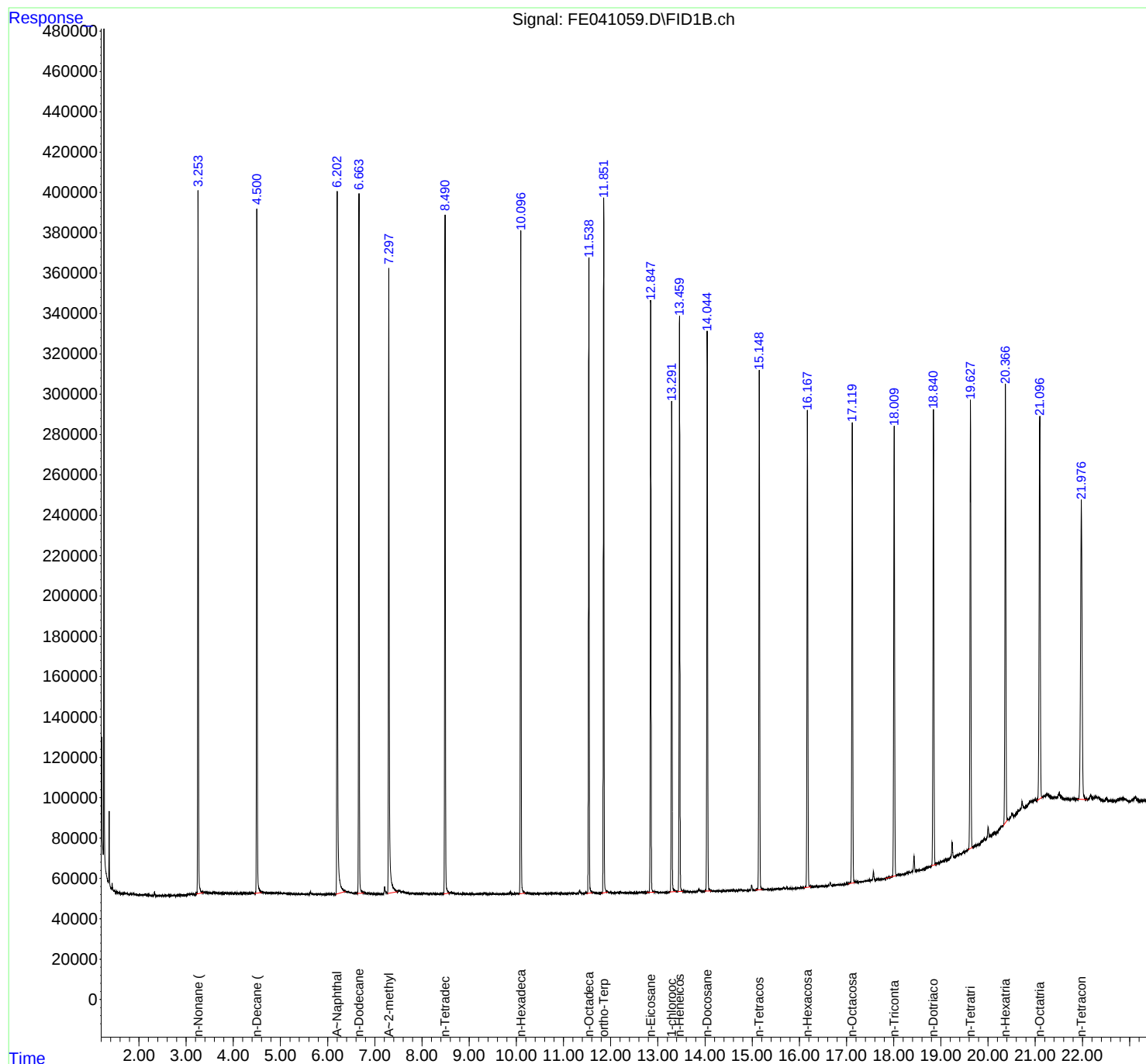
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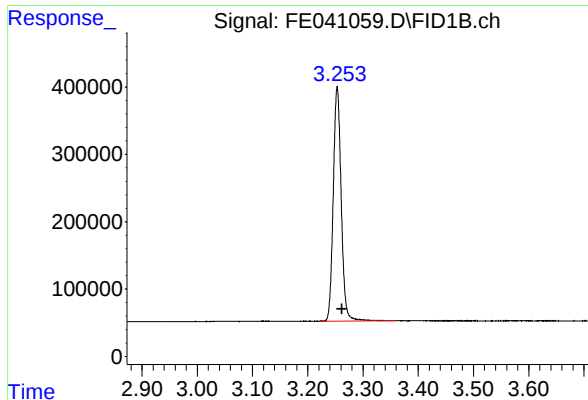
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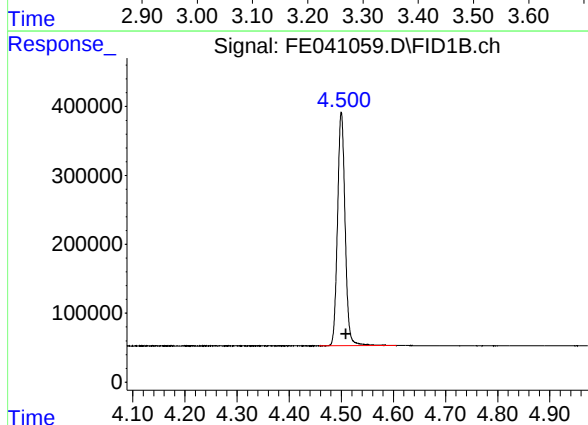
#1 n-Nonane (C9)

R.T.: 3.253 min
Delta R.T.: -0.009 min
Response: 3480138
Conc: 20.06 ug/ml

Instrument : FID_E
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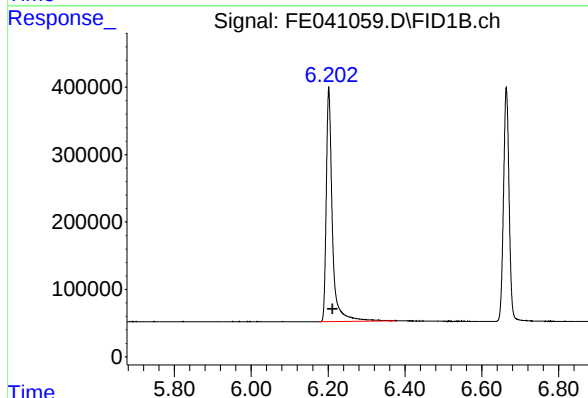
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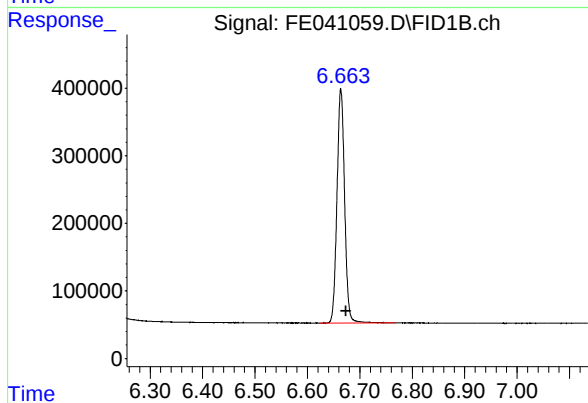
#2 n-Decane (C10)

R.T.: 4.500 min
Delta R.T.: -0.009 min
Response: 3442331
Conc: 20.22 ug/ml



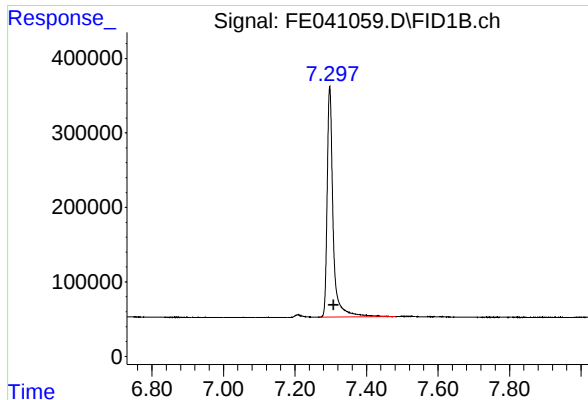
#3 A~Naphthalene (C11.7)

R.T.: 6.202 min
Delta R.T.: -0.010 min
Response: 3835494
Conc: 20.97 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.664 min
Delta R.T.: -0.010 min
Response: 3508525
Conc: 20.23 ug/ml



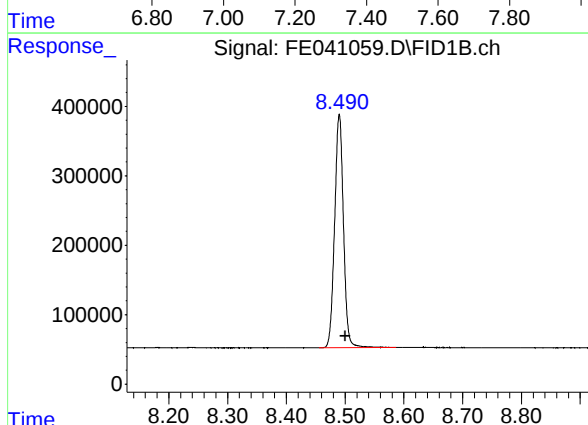
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.297 min
Delta R.T.: -0.010 min
Response: 3608041
Conc: 21.79 ug/ml

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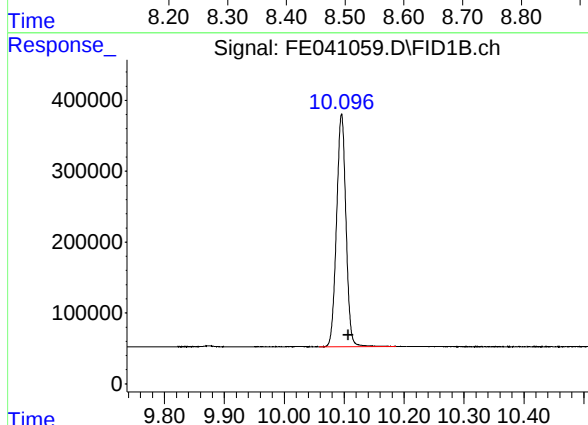
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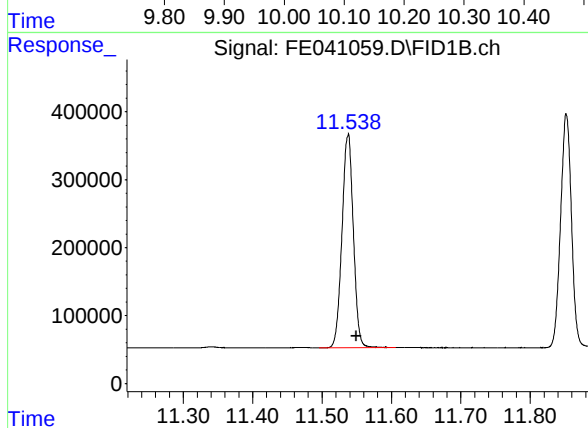
#6 n-Tetradecane (C14)

R.T.: 8.490 min
Delta R.T.: -0.010 min
Response: 3516582
Conc: 20.17 ug/ml



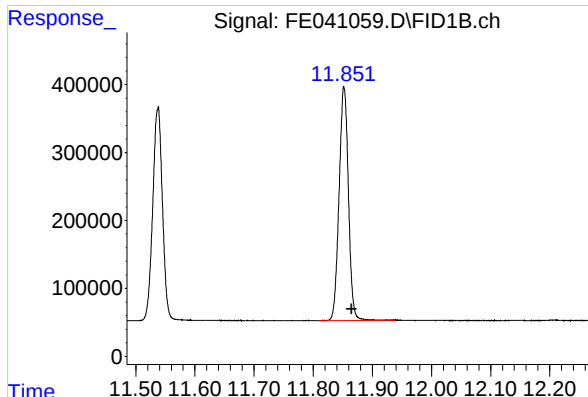
#7 n-Hexadecane (C16)

R.T.: 10.096 min
Delta R.T.: -0.011 min
Response: 3583049
Conc: 20.15 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.538 min
Delta R.T.: -0.012 min
Response: 3577854
Conc: 20.04 ug/ml



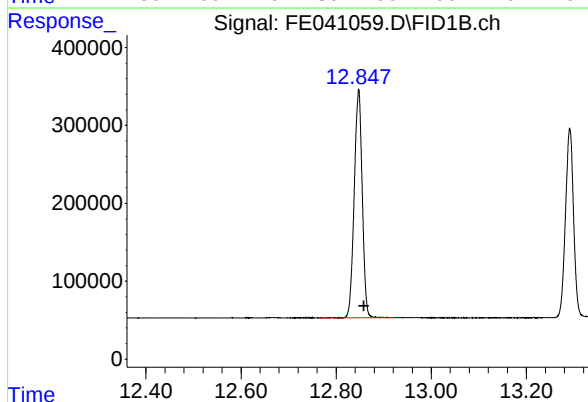
#9 ortho-Terphenyl (SURR)

R.T.: 11.852 min
Delta R.T.: -0.013 min
Response: 3771534
Conc: 20.07 ug/ml

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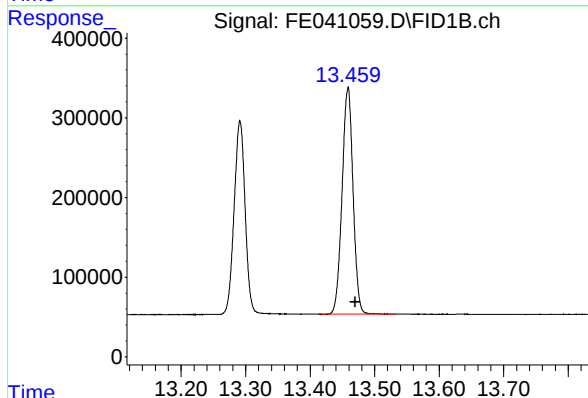
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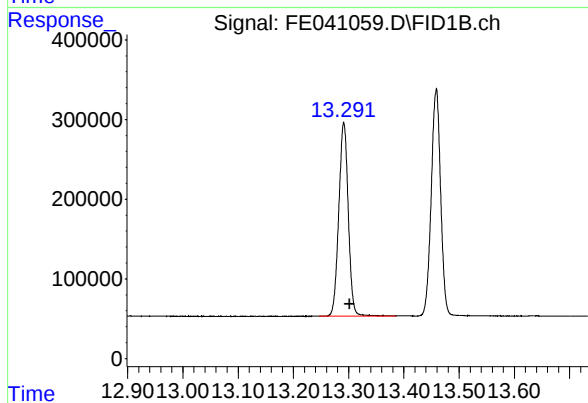
#10 n-Eicosane (C20)

R.T.: 12.848 min
Delta R.T.: -0.011 min
Response: 3410193
Conc: 19.99 ug/ml



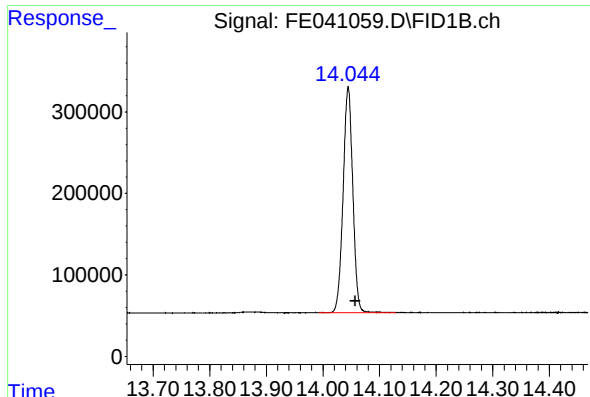
#11 n-Heneicosane (C21)

R.T.: 13.459 min
Delta R.T.: -0.011 min
Response: 3370217
Conc: 19.92 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.291 min
Delta R.T.: -0.011 min
Response: 2890457
Conc: 20.09 ug/ml



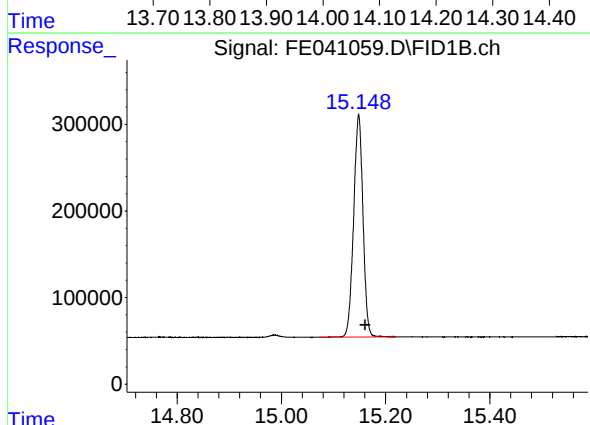
#13 n-Docosane (C22)

R.T.: 14.045 min
Delta R.T.: -0.012 min
Response: 3287554
Conc: 19.87 ug/ml

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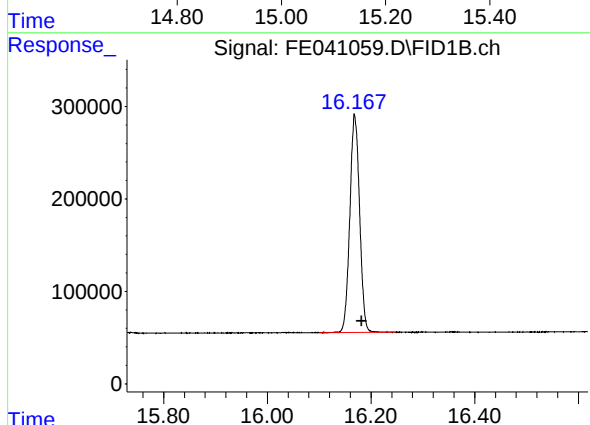
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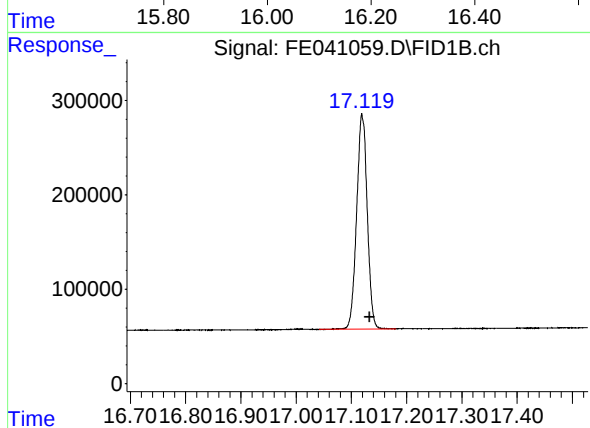
#14 n-Tetracosane (C24)

R.T.: 15.148 min
Delta R.T.: -0.012 min
Response: 3201990
Conc: 19.79 ug/ml



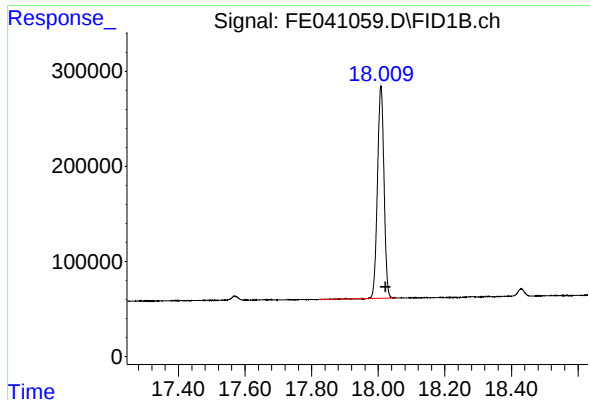
#15 n-Hexacosane (C26)

R.T.: 16.169 min
Delta R.T.: -0.013 min
Response: 3082349
Conc: 19.88 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.119 min
Delta R.T.: -0.014 min
Response: 3041648
Conc: 19.86 ug/ml



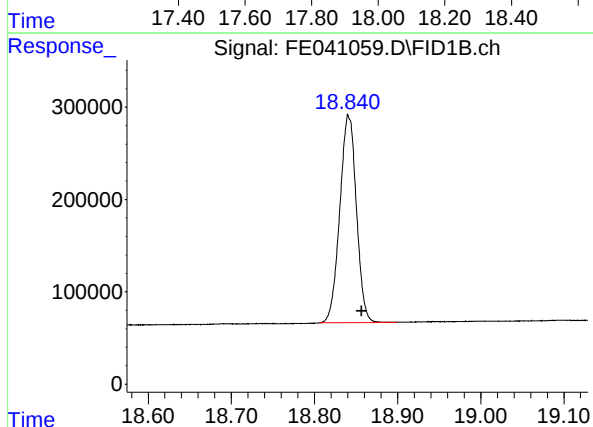
#17 n-Tricontane (C30)

R.T.: 18.008 min
Delta R.T.: -0.014 min
Response: 3044555
Conc: 19.92 ug/ml

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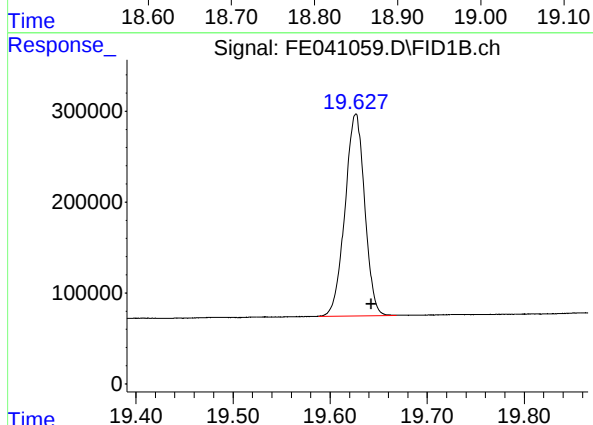
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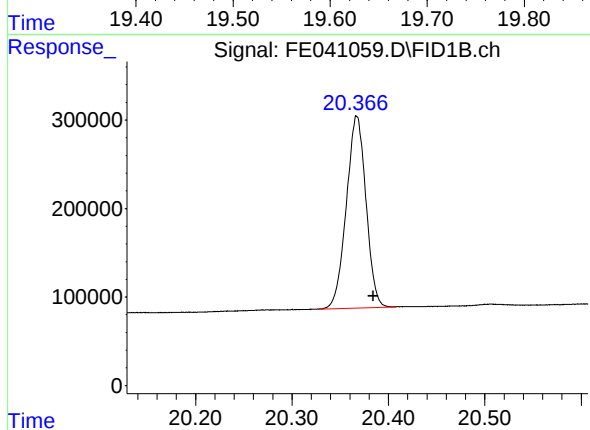
#18 n-Dotriacontane (C32)

R.T.: 18.841 min
Delta R.T.: -0.016 min
Response: 3122863
Conc: 20.00 ug/ml



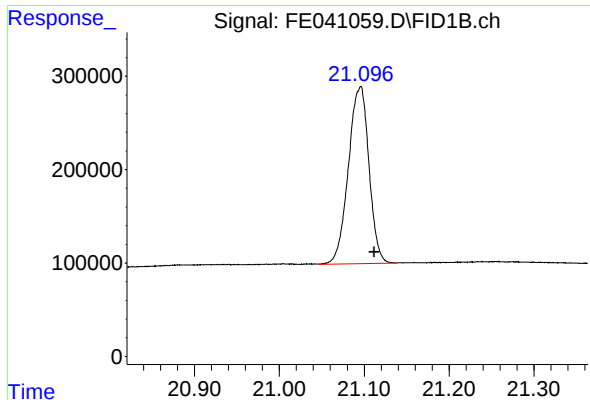
#19 n-Tetratriacontane (C34)

R.T.: 19.627 min
Delta R.T.: -0.016 min
Response: 3140786
Conc: 20.27 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.366 min
Delta R.T.: -0.018 min
Response: 3083958
Conc: 20.30 ug/ml m



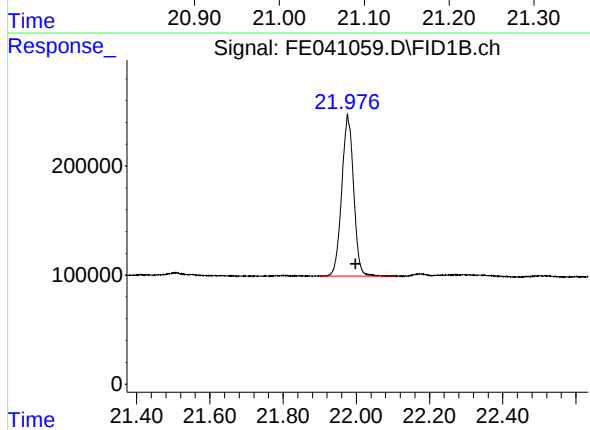
#21 n-Octatriacontane (C38)

R.T.: 21.096 min
Delta R.T.: -0.016 min
Response: 3188435
Conc: 20.41 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.976 min
Delta R.T.: -0.022 min
Response: 3329318
Conc: 20.86 ug/ml