

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE051723AL\
 Data File : FE041953.D
 Signal(s) : FID1B.ch
 Acq On : 17 May 2023 12:00
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/18/2023
 Supervised By :Ankita Jodhani 05/18/2023

Integration File: autoint1.e
 Quant Time: May 18 01:20:27 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 042123.M
 Quant Title : GC Extractables
 QLast Update : Fri Apr 21 07:33:51 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)	11.969	3189844	17.003 ug/ml
Spiked Amount 50.000		Recovery =	34.01%
12) S 1-chlorooctadecane (S...	13.406	2581778	18.276 ug/ml
Spiked Amount 50.000		Recovery =	36.55%
Target Compounds			
1) T n-Nonane (C9)	3.338	2393590	16.283 ug/ml
2) T n-Decane (C10)	4.592	2683762	17.894 ug/ml
3) T A~Naphthalene (C11.7)	6.302	3118707	18.845 ug/ml
4) T n-Dodecane (C12)	6.763	2763597	18.176 ug/ml
5) T A~2-methylnaphthalene...	7.400	2996625	18.584 ug/ml
6) T n-Tetradecane (C14)	8.595	2792388	18.383 ug/ml
7) T n-Hexadecane (C16)	10.205	2928478	18.351 ug/ml
8) T n-Octadecane (C18)	11.649	3041105	18.553 ug/ml
10) T n-Eicosane (C20)	12.961	2943709	18.302 ug/ml
11) T n-Heneicosane (C21)	13.574	2912724	18.276 ug/ml
13) T n-Docosane (C22)	14.161	2901326	18.210 ug/ml
14) T n-Tetracosane (C24)	15.264	2906004	18.025 ug/ml
15) T n-Hexacosane (C26)	16.286	2844273	17.991 ug/ml
16) T n-Octacosane (C28)	17.237	2957278	19.219 ug/ml
17) T n-Tricontane (C30)	18.125	3253864	21.364 ug/ml
18) T n-Dotriacontane (C32)	18.960	3408333	22.878 ug/ml
19) T n-Tetratriacontane (C34)	19.743	3179118	22.567 ug/ml
20) T n-Hexatriacontane (C36)	20.484	2895238	21.650 ug/ml
21) T n-Octatriacontane (C38)	21.234	2773697	20.991 ug/mlm
22) T n-Tetracontane (C40)	22.175	2749734	21.718 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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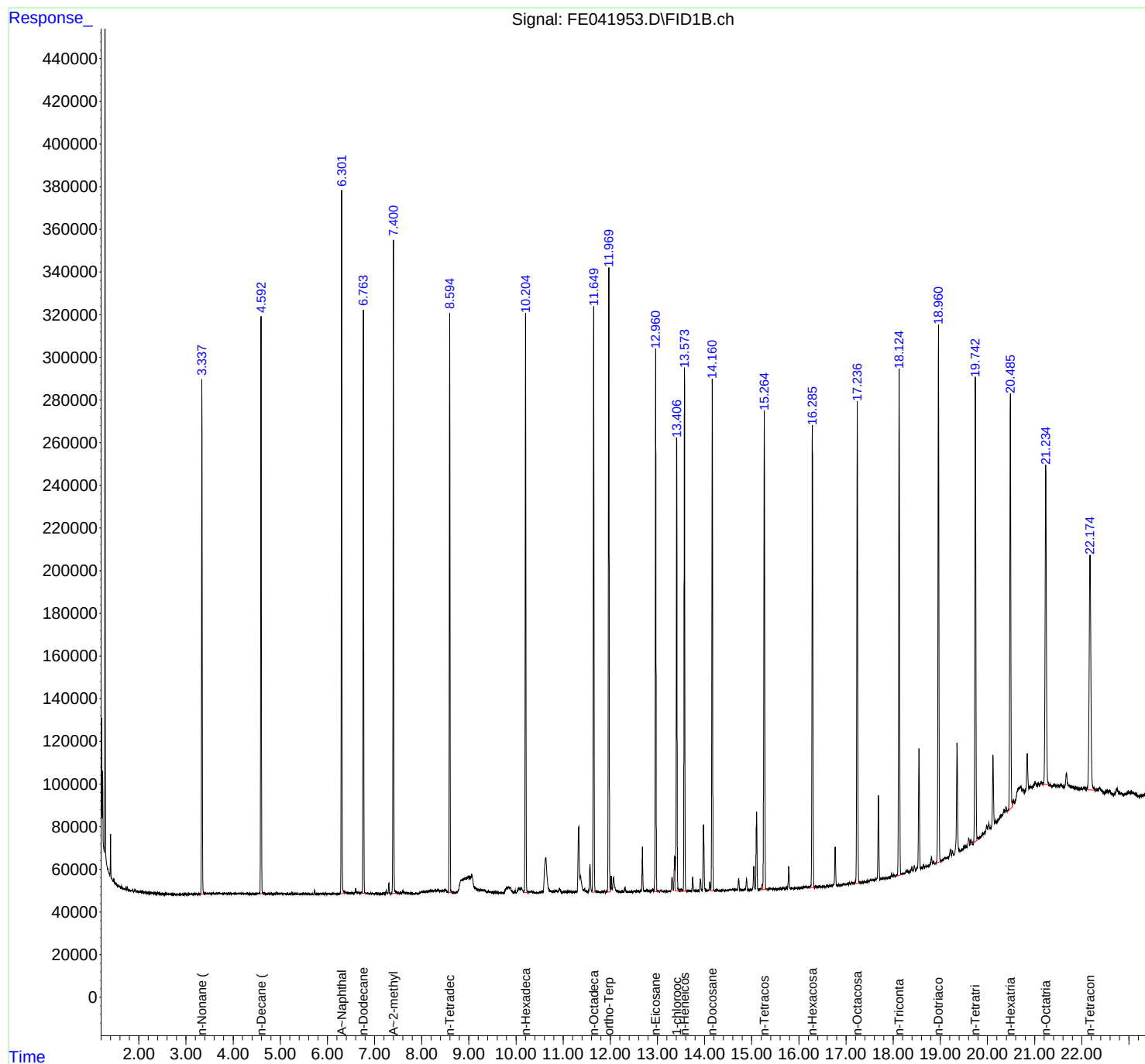
Instrument :
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20 PPM ALIPHATIC HC STD

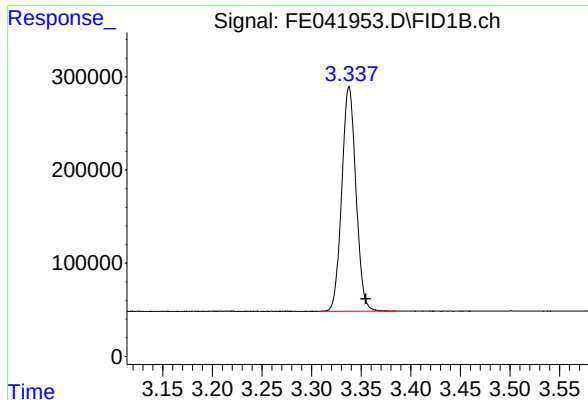
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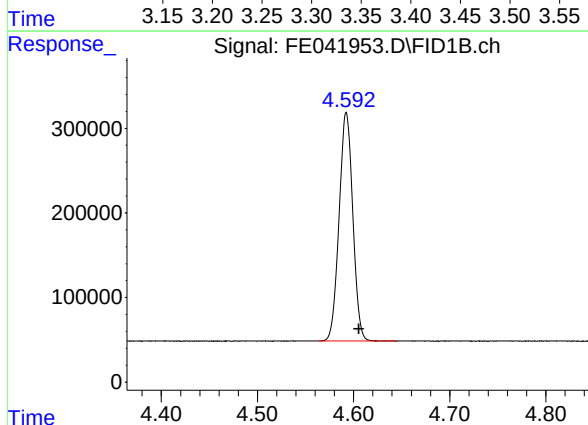
#1 n-Nonane (C9)

R.T.: 3.338 min
Delta R.T.: -0.017 min
Response: 2393590
Conc: 16.28 ug/ml

Instrument :
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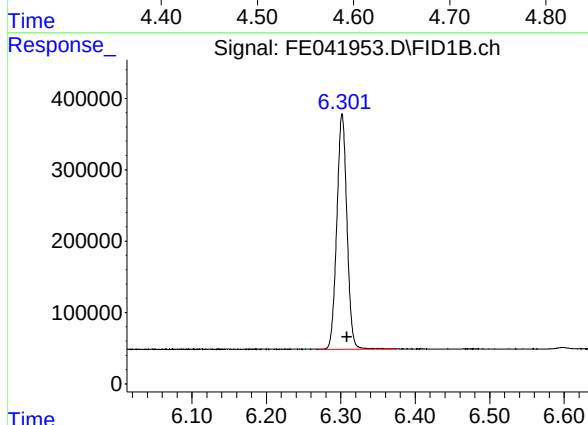
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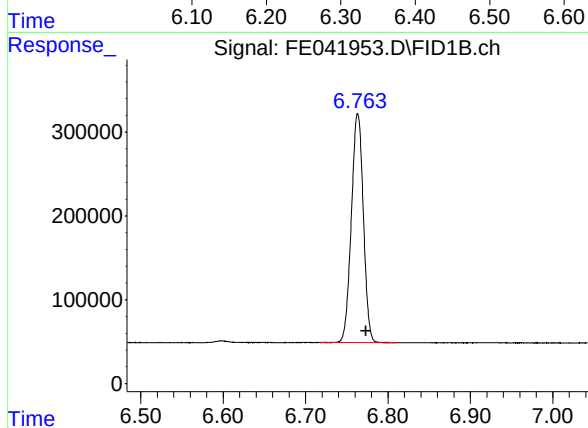
#2 n-Decane (C10)

R.T.: 4.592 min
Delta R.T.: -0.013 min
Response: 2683762
Conc: 17.89 ug/ml



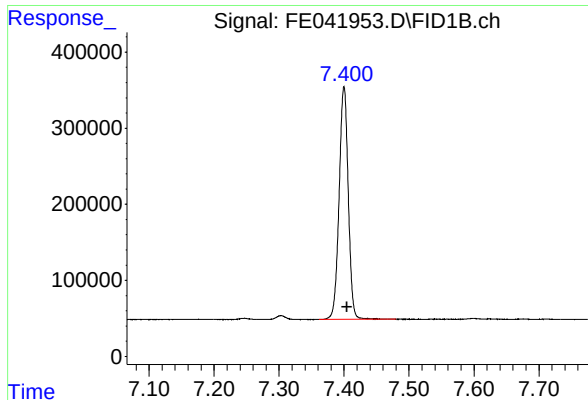
#3 A~Naphthalene (C11.7)

R.T.: 6.302 min
Delta R.T.: -0.006 min
Response: 3118707
Conc: 18.85 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.763 min
Delta R.T.: -0.010 min
Response: 2763597
Conc: 18.18 ug/ml



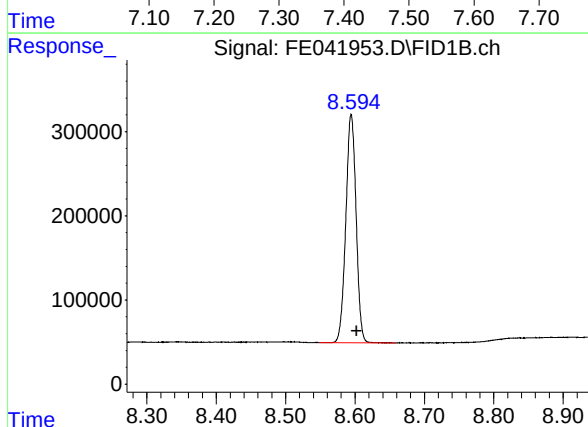
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.400 min
Delta R.T.: -0.004 min
Response: 2996625
Conc: 18.58 ug/ml

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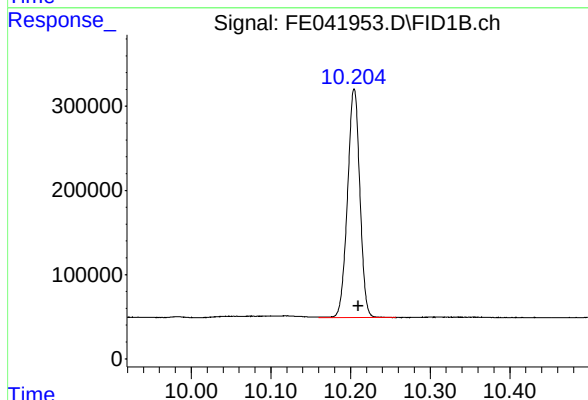
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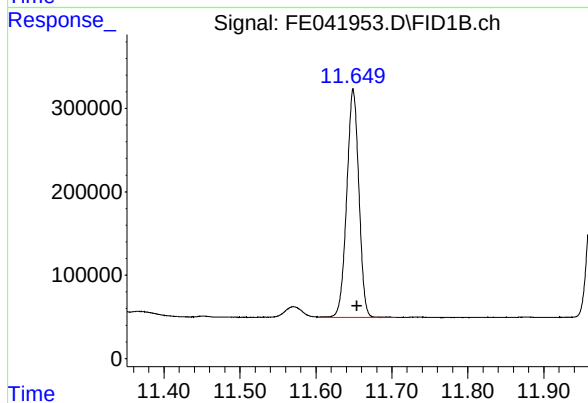
#6 n-Tetradecane (C14)

R.T.: 8.595 min
Delta R.T.: -0.008 min
Response: 2792388
Conc: 18.38 ug/ml



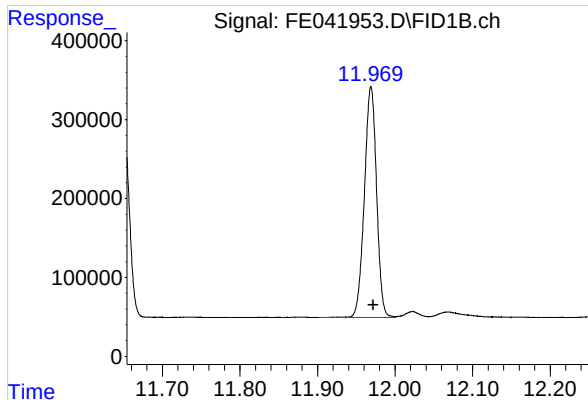
#7 n-Hexadecane (C16)

R.T.: 10.205 min
Delta R.T.: -0.005 min
Response: 2928478
Conc: 18.35 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.649 min
Delta R.T.: -0.005 min
Response: 3041105
Conc: 18.55 ug/ml



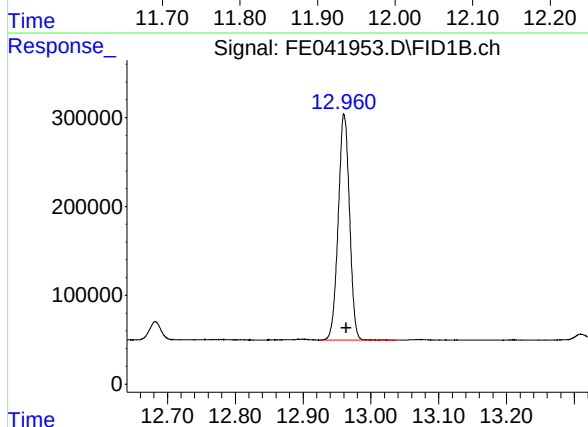
#9 ortho-Terphenyl (SURR)

R.T.: 11.969 min
Delta R.T.: -0.003 min
Response: 3189844
Conc: 17.00 ug/ml

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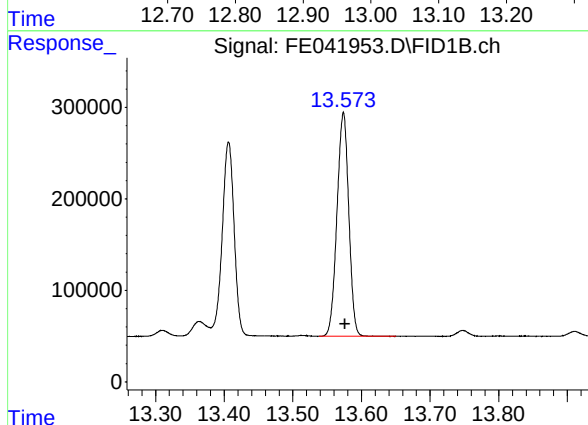
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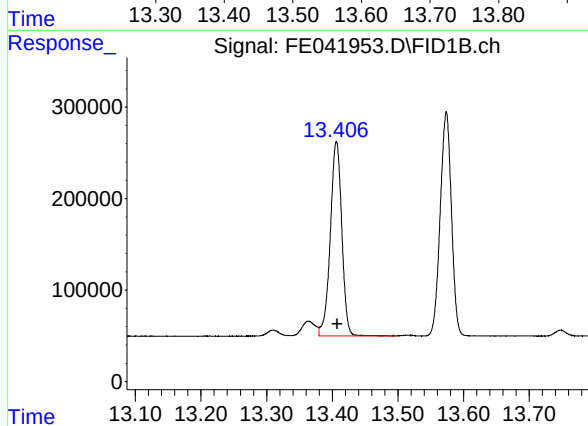
#10 n-Eicosane (C20)

R.T.: 12.961 min
Delta R.T.: -0.003 min
Response: 2943709
Conc: 18.30 ug/ml



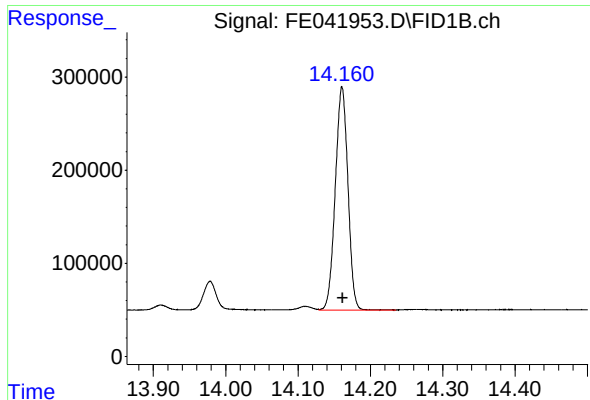
#11 n-Heneicosane (C21)

R.T.: 13.574 min
Delta R.T.: -0.002 min
Response: 2912724
Conc: 18.28 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.406 min
Delta R.T.: -0.001 min
Response: 2581778
Conc: 18.28 ug/ml



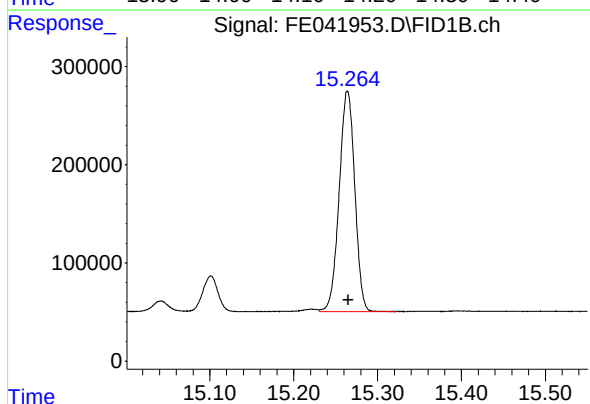
#13 n-Docosane (C22)

R.T.: 14.161 min
Delta R.T.: -0.001 min
Response: 2901326
Conc: 18.21 ug/ml

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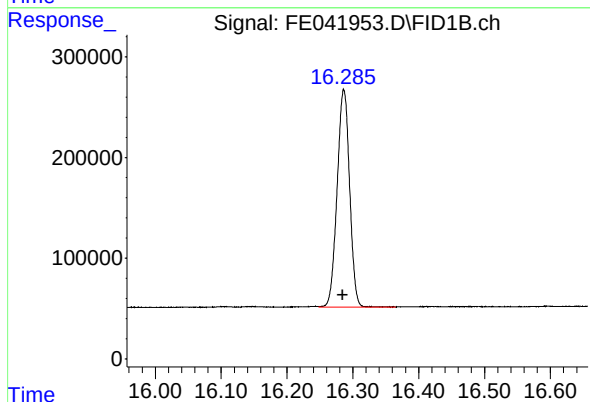
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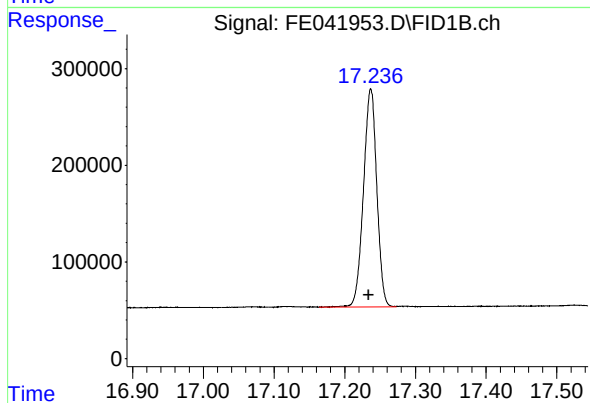
#14 n-Tetracosane (C24)

R.T.: 15.264 min
Delta R.T.: 0.000 min
Response: 2906004
Conc: 18.03 ug/ml



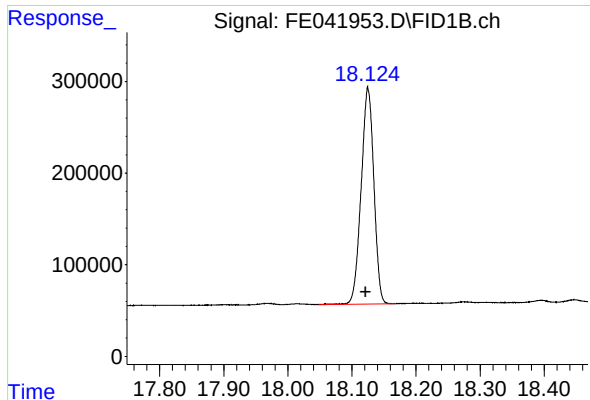
#15 n-Hexacosane (C26)

R.T.: 16.286 min
Delta R.T.: 0.002 min
Response: 2844273
Conc: 17.99 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.237 min
Delta R.T.: 0.003 min
Response: 2957278
Conc: 19.22 ug/ml



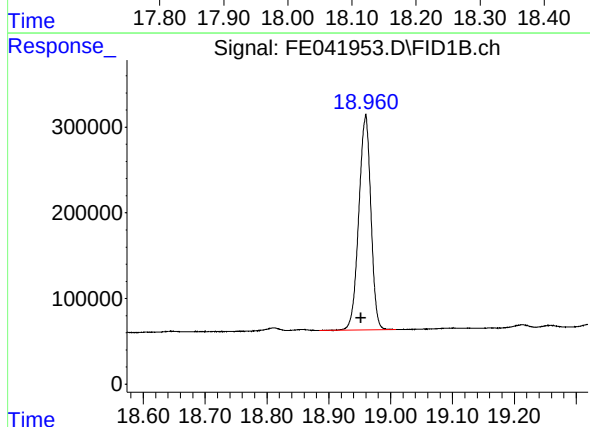
#17 n-Tricontane (C30)

R.T.: 18.125 min
Delta R.T.: 0.003 min
Response: 3253864
Conc: 21.36 ug/ml

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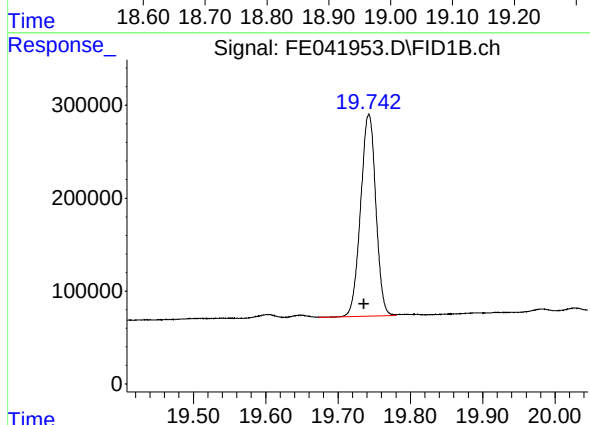
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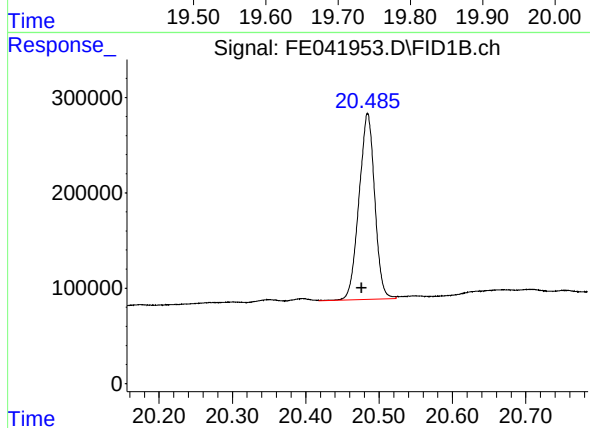
#18 n-Dotriacontane (C32)

R.T.: 18.960 min
Delta R.T.: 0.008 min
Response: 3408333
Conc: 22.88 ug/ml



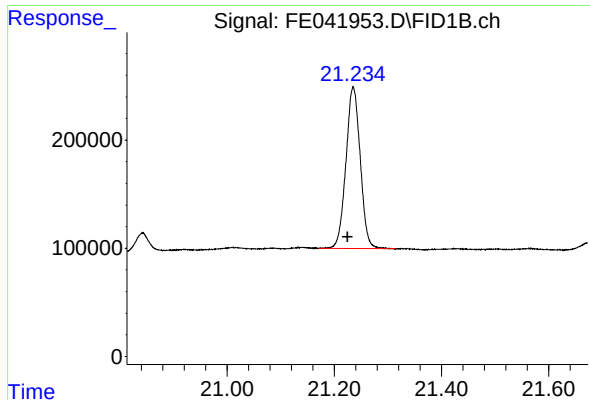
#19 n-Tetratriacontane (C34)

R.T.: 19.743 min
Delta R.T.: 0.007 min
Response: 3179118
Conc: 22.57 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.484 min
Delta R.T.: 0.008 min
Response: 2895238
Conc: 21.65 ug/ml



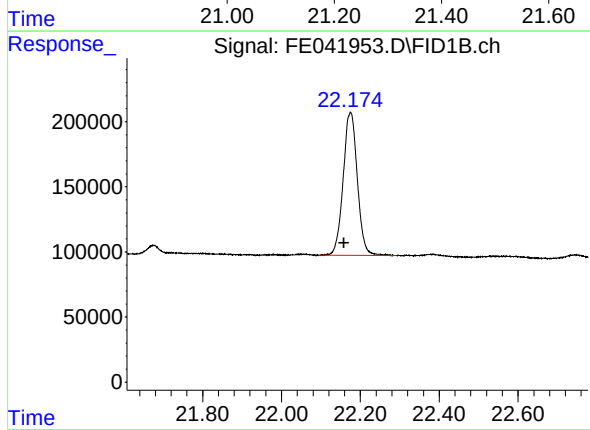
#21 n-Octatriacontane (C38)

R.T.: 21.234 min
Delta R.T.: 0.010 min
Response: 2773697
Conc: 20.99 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.175 min
Delta R.T.: 0.016 min
Response: 2749734
Conc: 21.72 ug/ml