

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE042723AL\
 Data File : FE041620.D
 Signal(s) : FID1B.ch
 Acq On : 28 Apr 2023 17:22
 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 05/01/2023
 Supervised By :Ankita Jodhani 05/01/2023

Integration File: autoint1.e
 Quant Time: Apr 28 18:15:31 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)	11.986	3665671	19.539 ug/ml
Spiked Amount 50.000		Recovery =	39.08%
12) S 1-chlorooctadecane (S...	13.421	2755155	19.503 ug/ml
Spiked Amount 50.000		Recovery =	39.01%
Target Compounds			
1) T n-Nonane (C9)	3.359	3024710	20.577 ug/ml
2) T n-Decane (C10)	4.612	3114311	20.765 ug/ml
3) T A~Naphthalene (C11.7)	6.321	3444748	20.816 ug/ml
4) T n-Dodecane (C12)	6.781	3155298	20.753 ug/ml
5) T A~2-methylnaphthalene...	7.419	3359013	20.831 ug/ml
6) T n-Tetradecane (C14)	8.611	3152908	20.756 ug/ml
7) T n-Hexadecane (C16)	10.220	3276845	20.534 ug/ml
8) T n-Octadecane (C18)	11.665	3299704	20.131 ug/ml
10) T n-Eicosane (C20)	12.976	3153045	19.603 ug/ml
11) T n-Heneicosane (C21)	13.589	3081209	19.334 ug/ml
13) T n-Docosane (C22)	14.176	3036799	19.060 ug/ml
14) T n-Tetracosane (C24)	15.280	3014537	18.698 ug/ml
15) T n-Hexacosane (C26)	16.302	2891835	18.292 ug/ml
16) T n-Octacosane (C28)	17.253	2781841	18.079 ug/ml
17) T n-Tricontane (C30)	18.140	2822242	18.530 ug/ml
18) T n-Dotriacontane (C32)	18.975	2780043	18.661 ug/ml
19) T n-Tetratriacontane (C34)	19.759	2772456	19.680 ug/ml
20) T n-Hexatriacontane (C36)	20.499	2655892	19.860 ug/mlm
21) T n-Octatriacontane (C38)	21.255	2810825	21.272 ug/ml
22) T n-Tetracontane (C40)	22.201	2875538	22.712 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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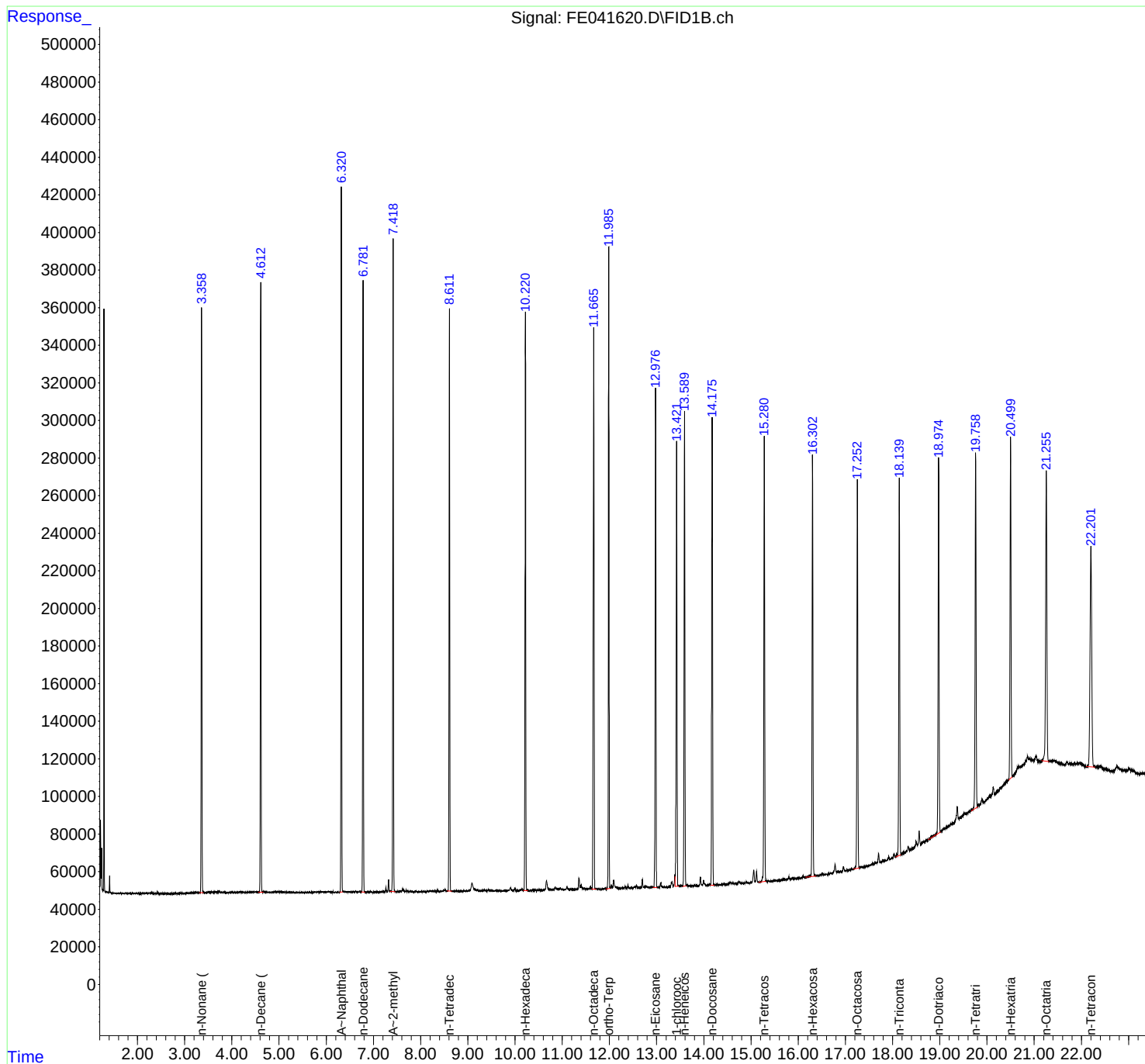
Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

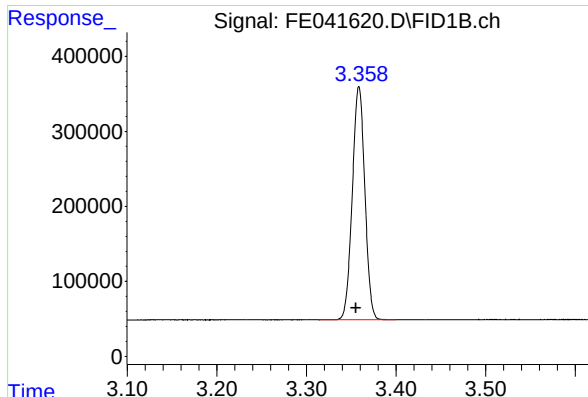
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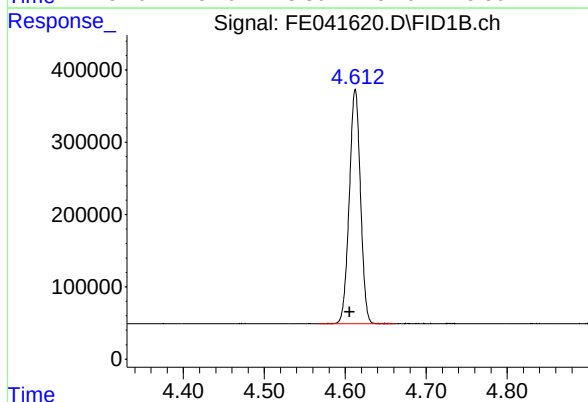
#1 n-Nonane (C9)

R.T.: 3.359 min
Delta R.T.: 0.004 min
Response: 3024710
Conc: 20.58 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

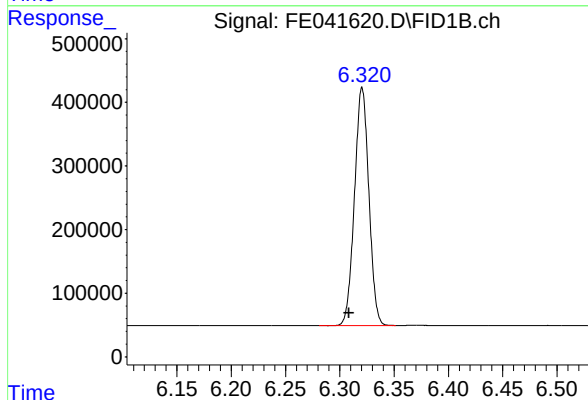
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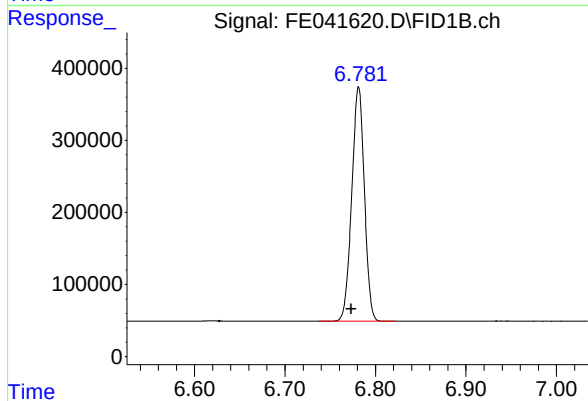
#2 n-Decane (C10)

R.T.: 4.612 min
Delta R.T.: 0.007 min
Response: 3114311
Conc: 20.76 ug/ml



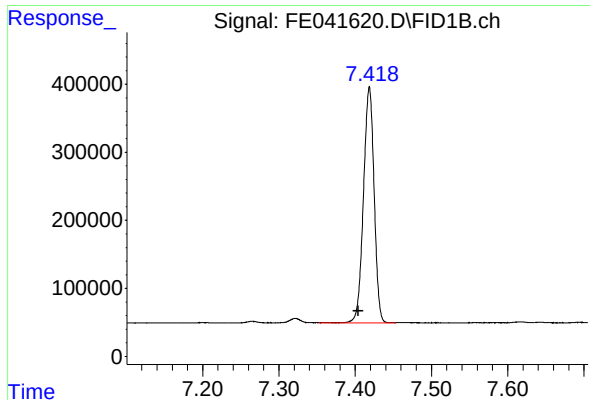
#3 A~Naphthalene (C11.7)

R.T.: 6.321 min
Delta R.T.: 0.012 min
Response: 3444748
Conc: 20.82 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.781 min
Delta R.T.: 0.008 min
Response: 3155298
Conc: 20.75 ug/ml



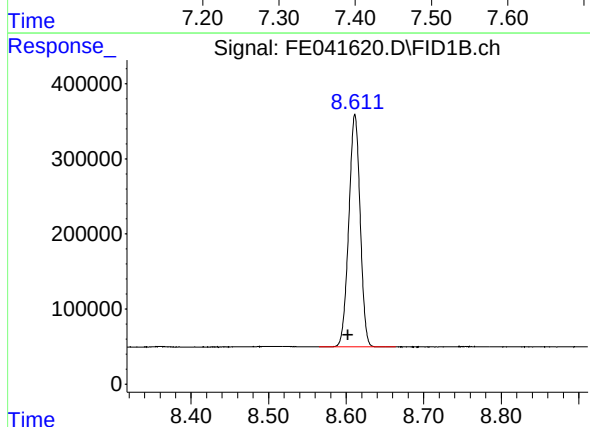
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.419 min
Delta R.T.: 0.014 min
Response: 3359013
Conc: 20.83 ug/ml

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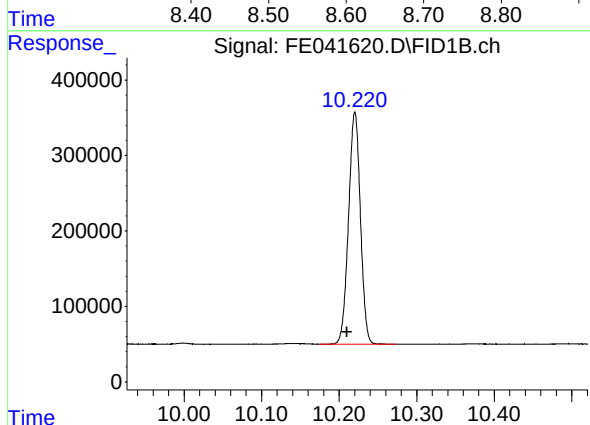
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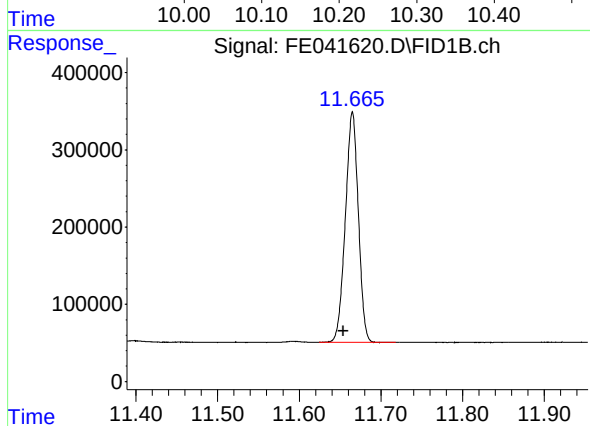
#6 n-Tetradecane (C14)

R.T.: 8.611 min
Delta R.T.: 0.009 min
Response: 3152908
Conc: 20.76 ug/ml



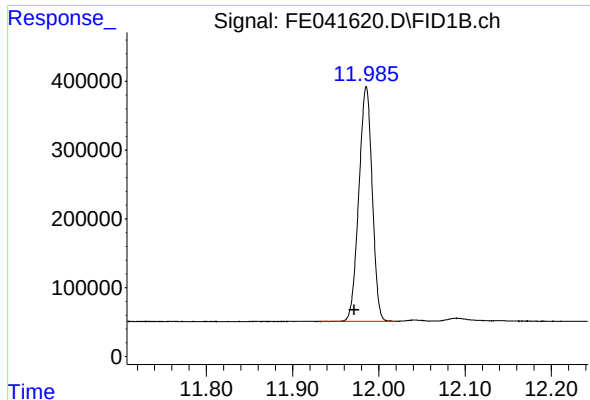
#7 n-Hexadecane (C16)

R.T.: 10.220 min
Delta R.T.: 0.010 min
Response: 3276845
Conc: 20.53 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.665 min
Delta R.T.: 0.011 min
Response: 3299704
Conc: 20.13 ug/ml



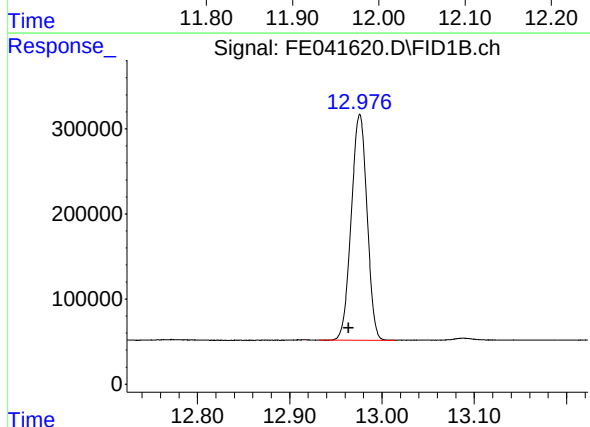
#9 ortho-Terphenyl (SURR)

R.T.: 11.986 min
Delta R.T.: 0.014 min
Response: 3665671
Conc: 19.54 ug/ml

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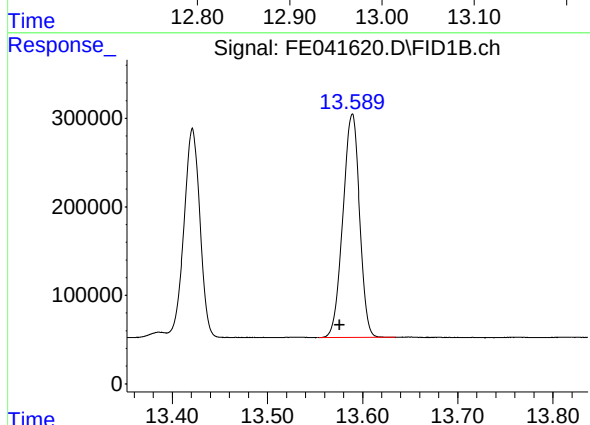
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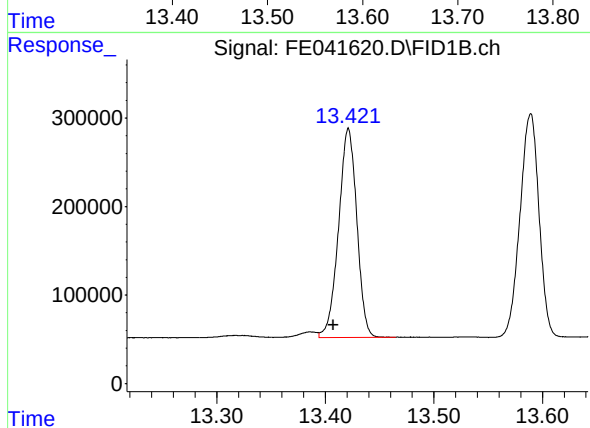
#10 n-Eicosane (C20)

R.T.: 12.976 min
Delta R.T.: 0.012 min
Response: 3153045
Conc: 19.60 ug/ml



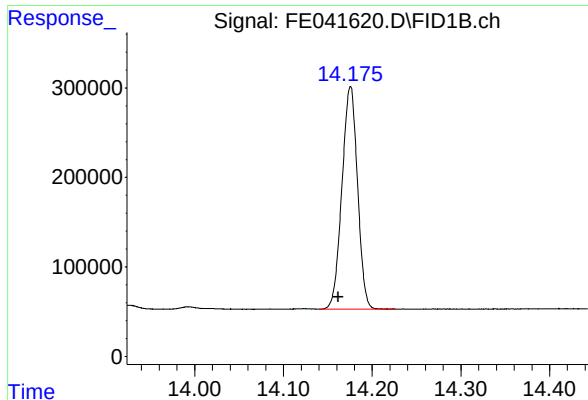
#11 n-Heneicosane (C21)

R.T.: 13.589 min
Delta R.T.: 0.013 min
Response: 3081209
Conc: 19.33 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.421 min
Delta R.T.: 0.014 min
Response: 2755155
Conc: 19.50 ug/ml



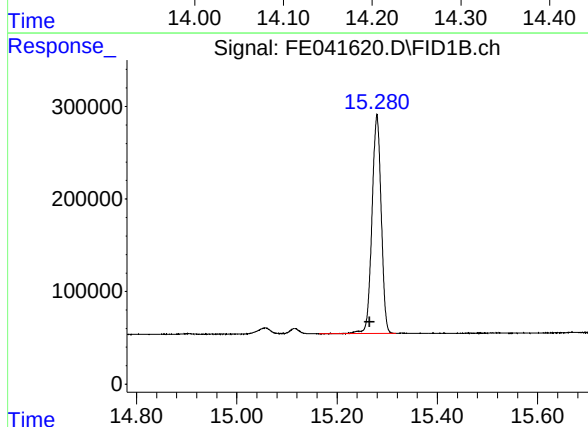
#13 n-Docosane (C22)

R.T.: 14.176 min
Delta R.T.: 0.014 min
Response: 3036799
Conc: 19.06 ug/ml

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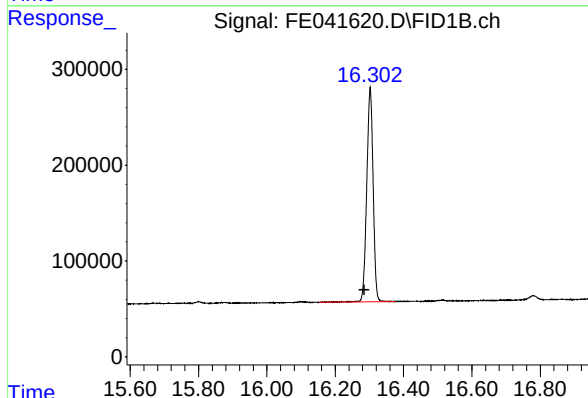
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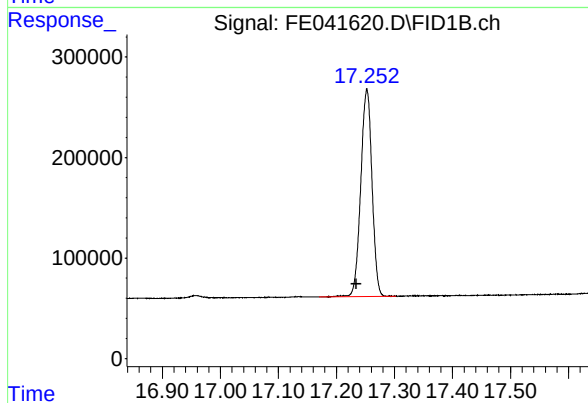
#14 n-Tetracosane (C24)

R.T.: 15.280 min
Delta R.T.: 0.015 min
Response: 3014537
Conc: 18.70 ug/ml



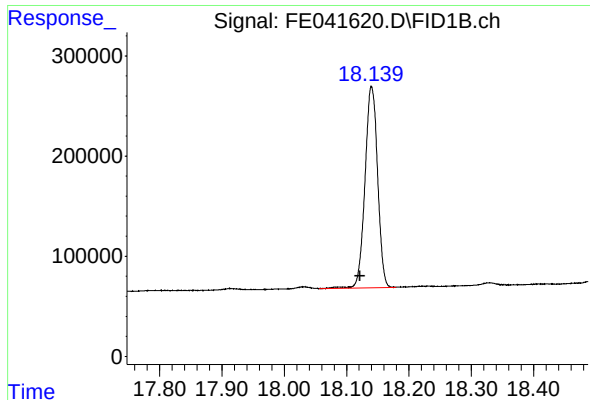
#15 n-Hexacosane (C26)

R.T.: 16.302 min
Delta R.T.: 0.018 min
Response: 2891835
Conc: 18.29 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.253 min
Delta R.T.: 0.019 min
Response: 2781841
Conc: 18.08 ug/ml



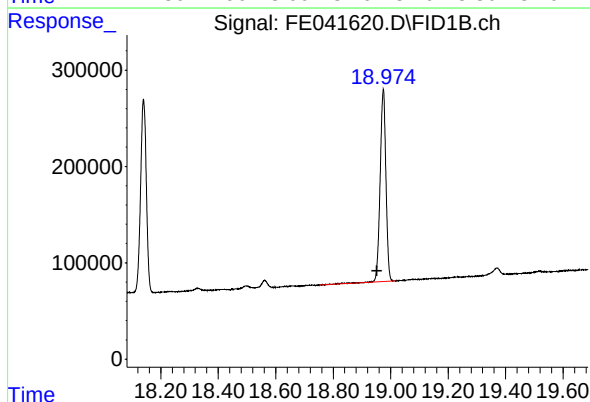
#17 n-Tricontane (C30)

R.T.: 18.140 min
Delta R.T.: 0.018 min
Response: 2822242
Conc: 18.53 ug/ml

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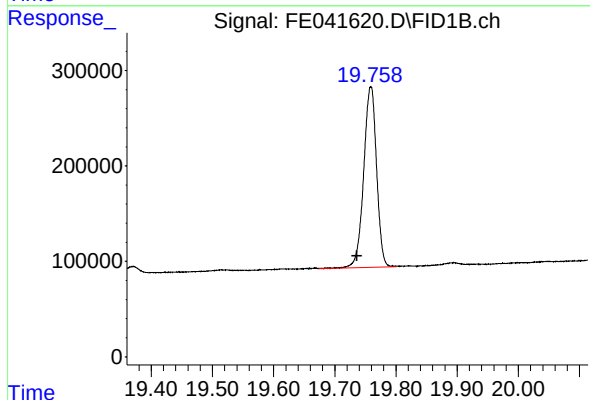
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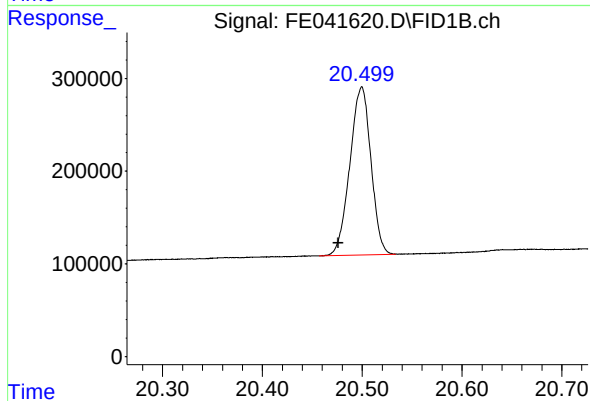
#18 n-Dotriacontane (C32)

R.T.: 18.975 min
Delta R.T.: 0.023 min
Response: 2780043
Conc: 18.66 ug/ml



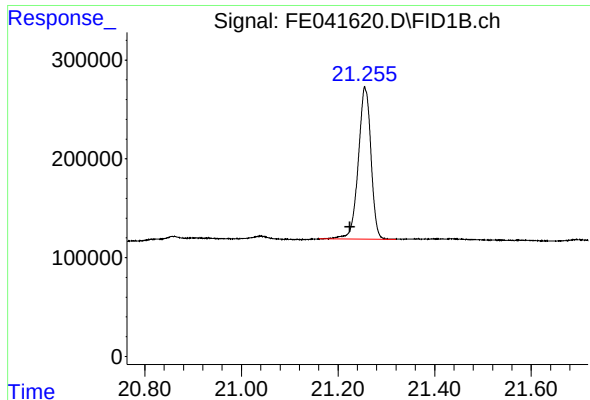
#19 n-Tetratriacontane (C34)

R.T.: 19.759 min
Delta R.T.: 0.023 min
Response: 2772456
Conc: 19.68 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.499 min
Delta R.T.: 0.023 min
Response: 2655892
Conc: 19.86 ug/ml m



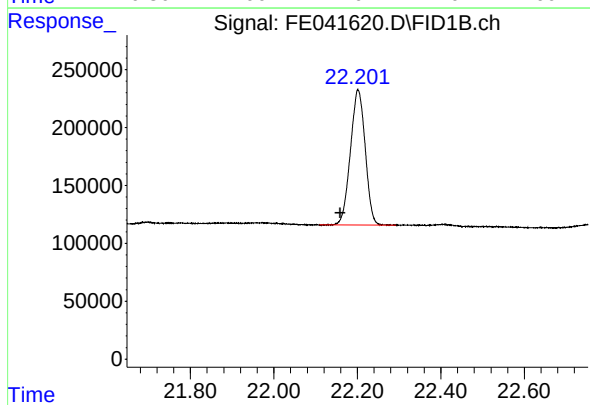
#21 n-Octatriacontane (C38)

R.T.: 21.255 min
Delta R.T.: 0.031 min
Response: 2810825
Conc: 21.27 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.201 min
Delta R.T.: 0.043 min
Response: 2875538
Conc: 22.71 ug/ml