

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD072922AL\
 Data File : FD043417.D
 Signal(s) : FID2B.ch
 Acq On : 29 Jul 2022 16:49
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/01/2022
 Supervised By :Ankita Jodhani 08/01/2022

Integration File: sample.E
 Quant Time: Jul 29 23:27:25 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 072522.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 26 05:37:25 2022
 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)	11.530	2973568	18.785 ug/ml
Spiked Amount 50.000		Recovery =	37.57%
12) S 1-chlorooctadecane (S...	12.966	2289884	18.684 ug/ml
Spiked Amount 50.000		Recovery =	37.37%
Target Compounds			
1) T n-Nonane (C9)	3.309	2812889	20.068 ug/ml
2) T n-Decane (C10)	4.374	2846761	20.246 ug/ml
3) T A~Naphthalene (C11.7)	5.954	3055858	20.112 ug/ml
4) T n-Dodecane (C12)	6.389	2859136	20.088 ug/ml
5) T A~2-methylnaphthalene...	7.009	3008793	20.109 ug/ml
6) T n-Tetradecane (C14)	8.181	2840329	20.023 ug/ml
7) T n-Hexadecane (C16)	9.778	2836105	19.997 ug/ml
8) T n-Octadecane (C18)	11.217	2816376	19.696 ug/ml
10) T n-Eicosane (C20)	12.524	2749310	18.988 ug/ml
11) T n-Heneicosane (C21)	13.133	2719701	18.725 ug/ml
13) T n-Docosane (C22)	13.719	2672590	18.422 ug/ml
14) T n-Tetracosane (C24)	14.819	2562124	17.685 ug/ml
15) T n-Hexacosane (C26)	15.837	2475524	17.210 ug/ml
16) T n-Octacosane (C28)	16.784	2409416	17.032 ug/ml
17) T n-Tricontane (C30)	17.668	2485648	17.611 ug/ml
18) T n-Dotriacontane (C32)	18.499	2536691	18.344 ug/ml
19) T n-Tetratriacontane (C34)	19.281	2431582	18.896 ug/ml
20) T n-Hexatriacontane (C36)	20.017	2366147	19.183 ug/ml
21) T n-Octatriacontane (C38)	20.737	2387941	20.194 ug/mlm
22) T n-Tetracontane (C40)	21.619	2287675	20.232 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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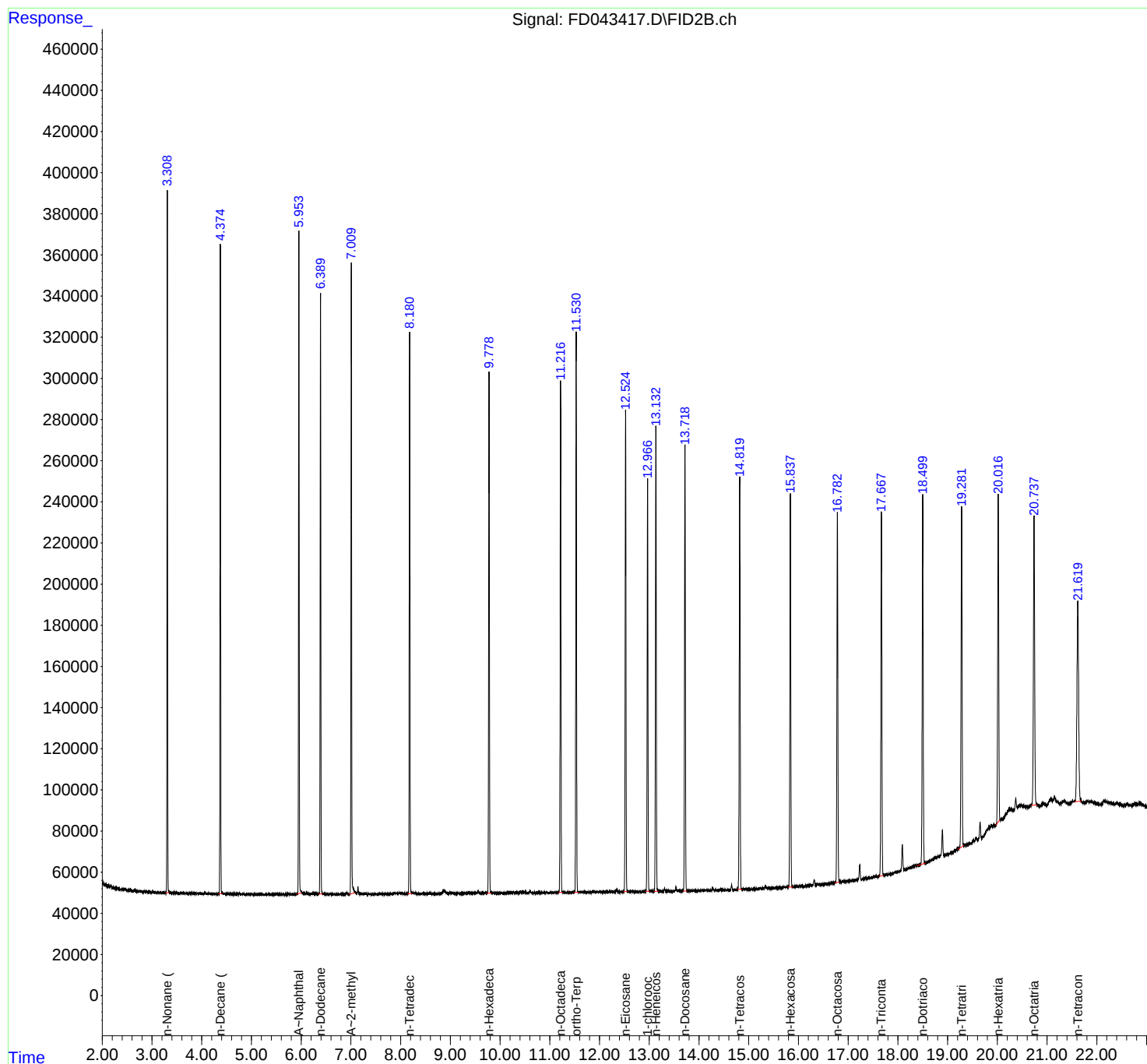
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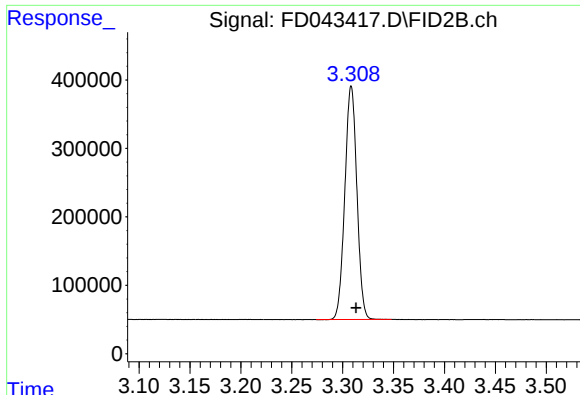
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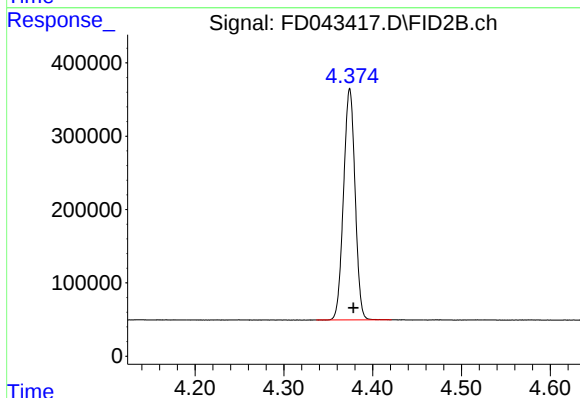
#1 n-Nonane (C9)

R.T.: 3.309 min
Delta R.T.: -0.005 min
Response: 2812889
Conc: 20.07 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

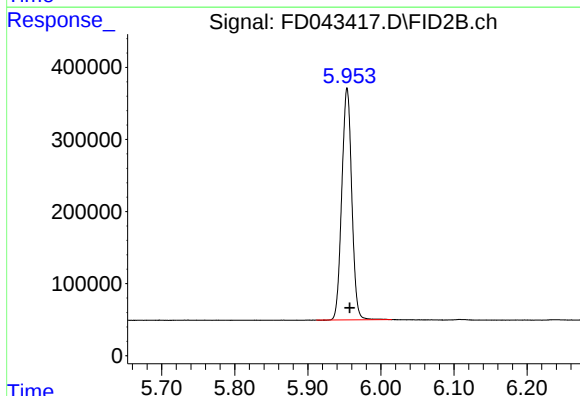
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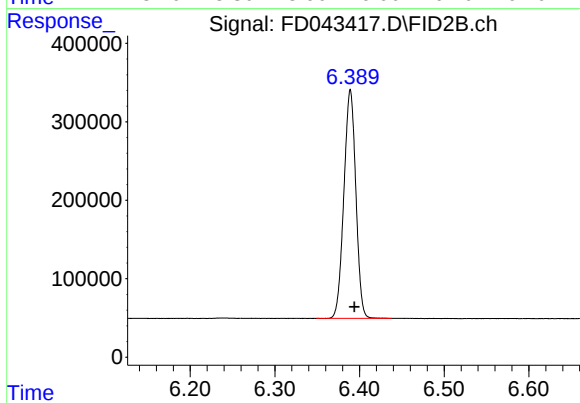
#2 n-Decane (C10)

R.T.: 4.374 min
Delta R.T.: -0.004 min
Response: 2846761
Conc: 20.25 ug/ml



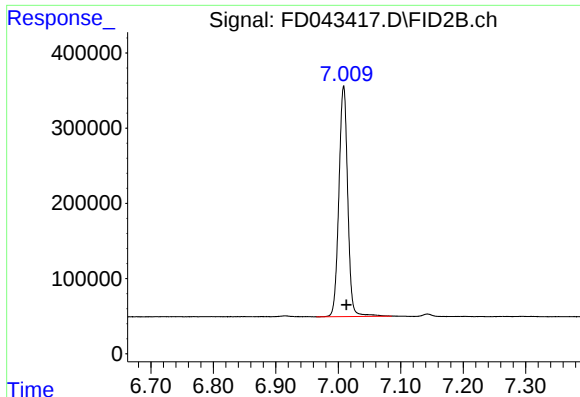
#3 A~Naphthalene (C11.7)

R.T.: 5.954 min
Delta R.T.: -0.004 min
Response: 3055858
Conc: 20.11 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.389 min
Delta R.T.: -0.005 min
Response: 2859136
Conc: 20.09 ug/ml



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

R.T.: 7.009 min
Delta R.T.: -0.004 min
Response: 3008793
Conc: 20.11 ug/ml

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20 PPM ALIPHATIC HC STD

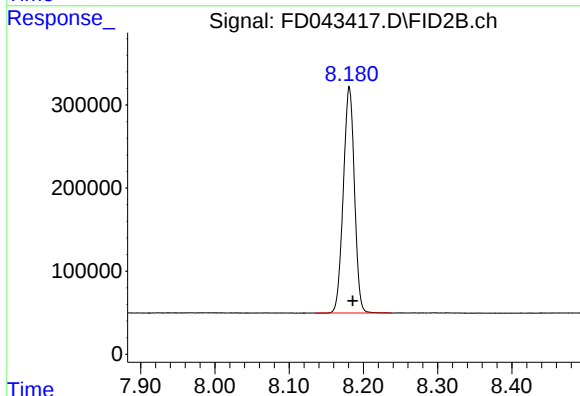
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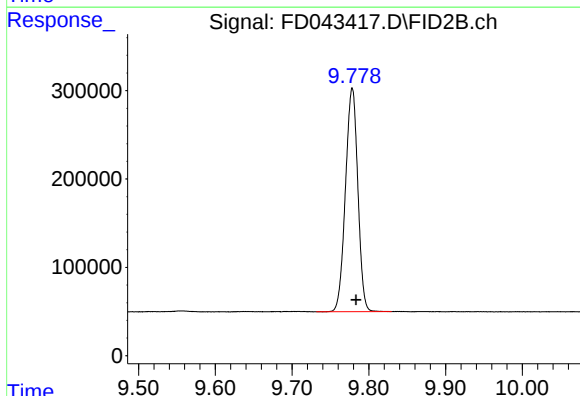
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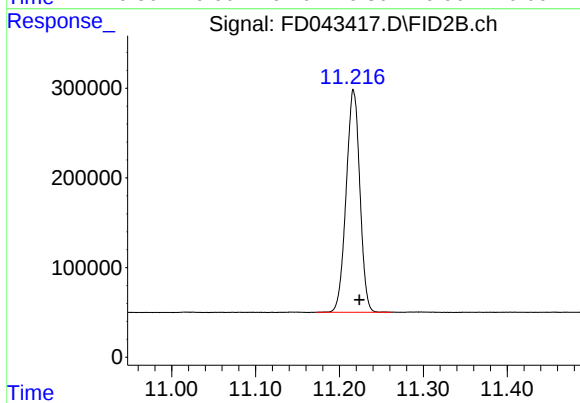
#6 n-Tetradecane (C14)

R.T.: 8.181 min
Delta R.T.: -0.004 min
Response: 2840329
Conc: 20.02 ug/ml



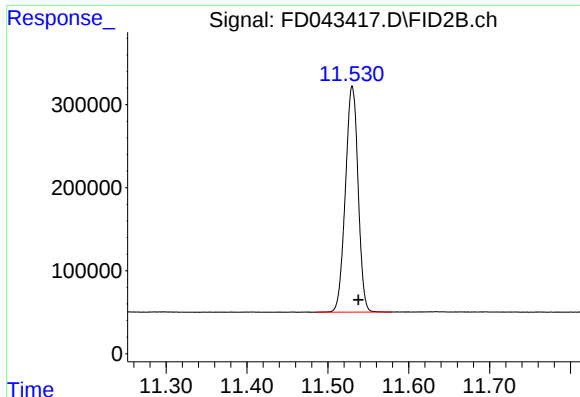
#7 n-Hexadecane (C16)

R.T.: 9.778 min
Delta R.T.: -0.005 min
Response: 2836105
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.217 min
Delta R.T.: -0.007 min
Response: 2816376
Conc: 19.70 ug/ml



#9 ortho-Terphenyl (SURR)

R.T.: 11.530 min
Delta R.T.: -0.008 min
Response: 2973568
Conc: 18.79 ug/ml

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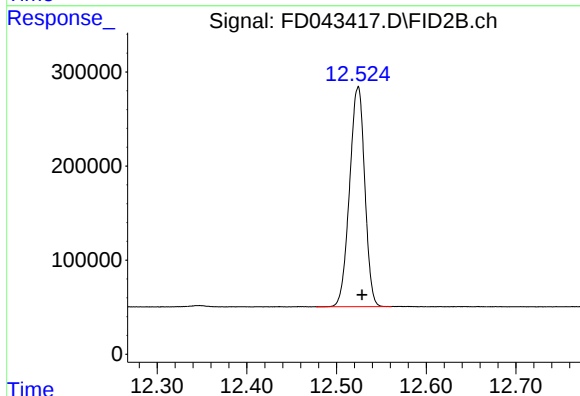
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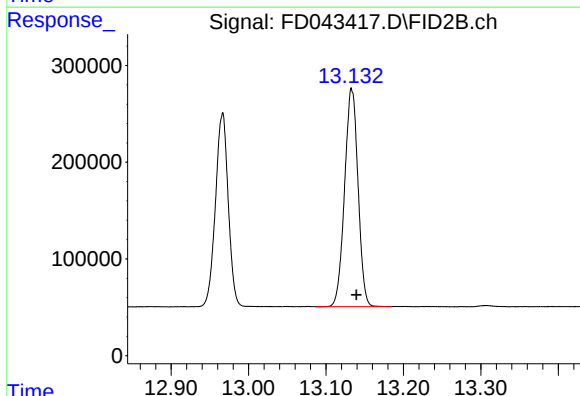
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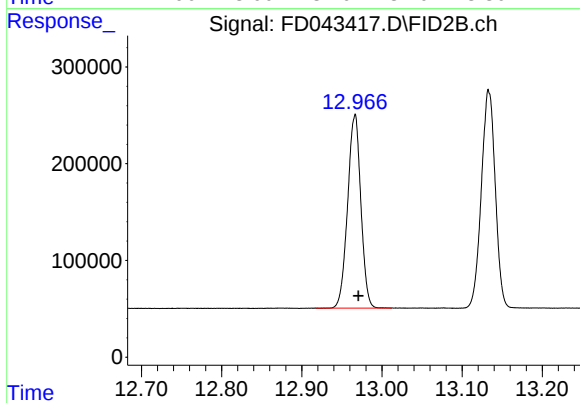
#10 n-Eicosane (C20)

R.T.: 12.524 min
Delta R.T.: -0.004 min
Response: 2749310
Conc: 18.99 ug/ml



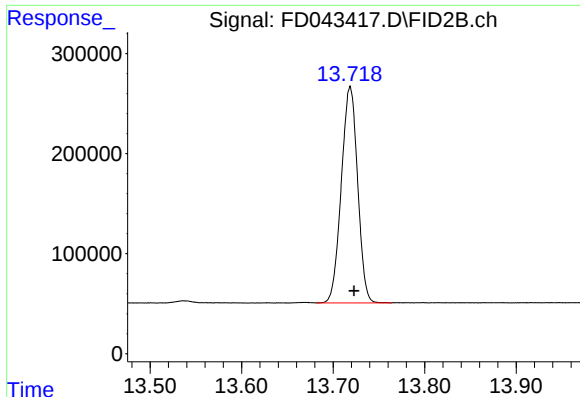
#11 n-Heneicosane (C21)

R.T.: 13.133 min
Delta R.T.: -0.006 min
Response: 2719701
Conc: 18.73 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.966 min
Delta R.T.: -0.004 min
Response: 2289884
Conc: 18.68 ug/ml



#13 n-Docosane (C22)

R.T.: 13.719 min
Delta R.T.: -0.004 min
Response: 2672590
Conc: 18.42 ug/ml

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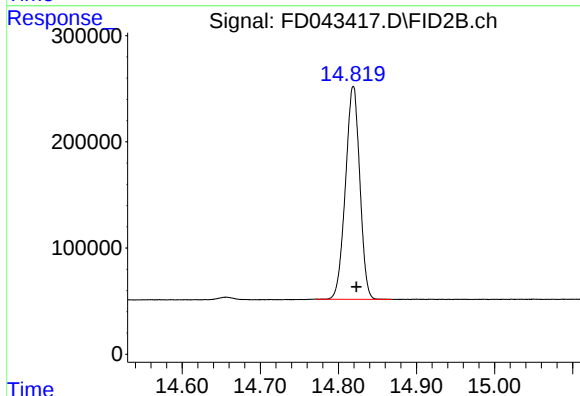
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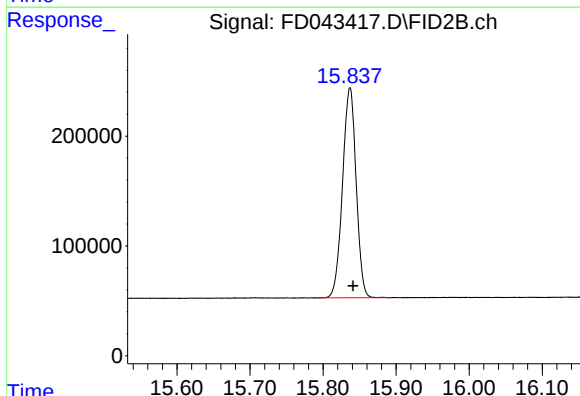
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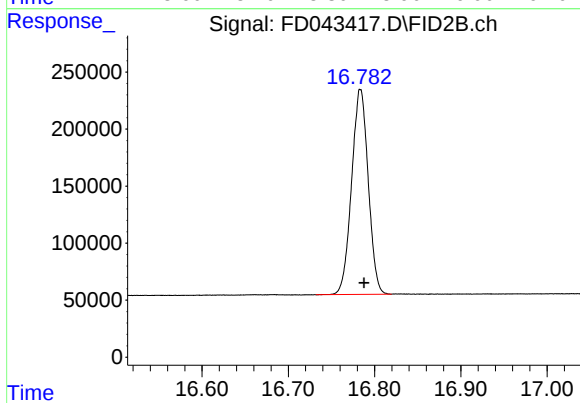
#14 n-Tetracosane (C24)

R.T.: 14.819 min
Delta R.T.: -0.004 min
Response: 2562124
Conc: 17.69 ug/ml



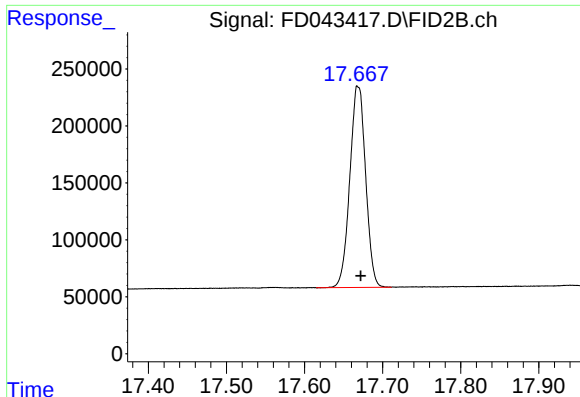
#15 n-Hexacosane (C26)

R.T.: 15.837 min
Delta R.T.: -0.004 min
Response: 2475524
Conc: 17.21 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.784 min
Delta R.T.: -0.004 min
Response: 2409416
Conc: 17.03 ug/ml



#17 n-Tricontane (C30)

R.T.: 17.668 min
Delta R.T.: -0.004 min
Response: 2485648
Conc: 17.61 ug/ml

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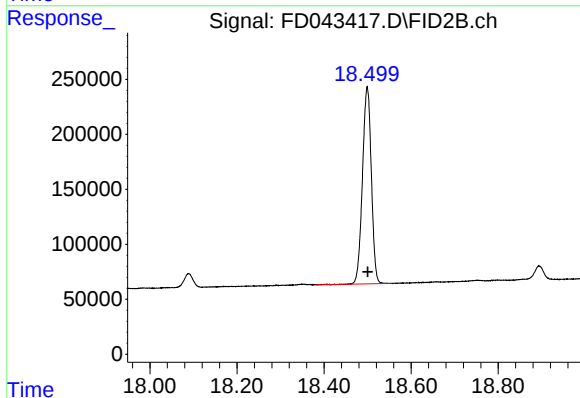
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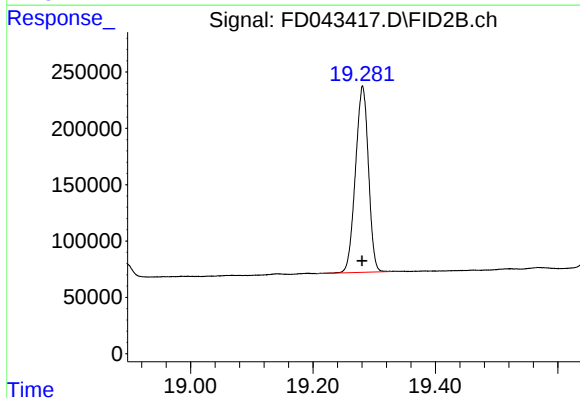
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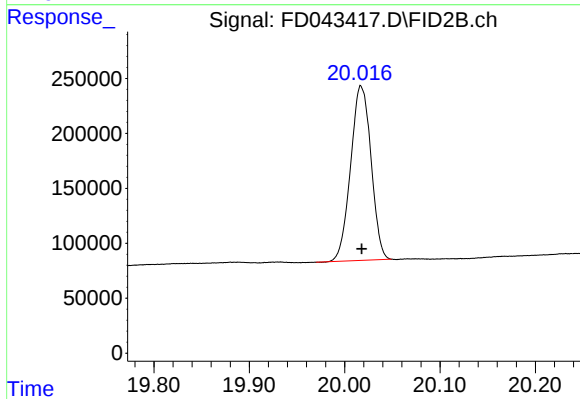
#18 n-Dotriacontane (C32)

R.T.: 18.499 min
Delta R.T.: 0.000 min
Response: 2536691
Conc: 18.34 ug/ml



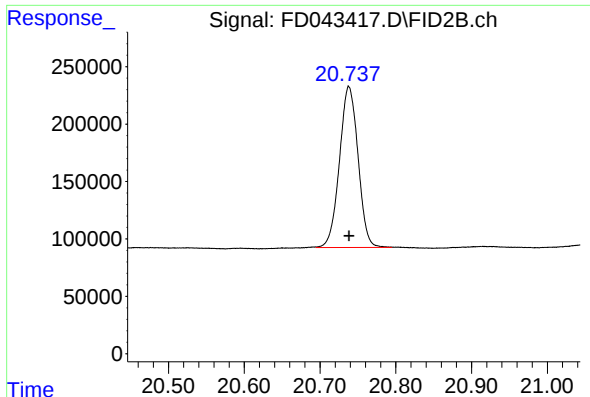
#19 n-Tetratriacontane (C34)

R.T.: 19.281 min
Delta R.T.: 0.000 min
Response: 2431582
Conc: 18.90 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.017 min
Delta R.T.: 0.000 min
Response: 2366147
Conc: 19.18 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.737 min
Delta R.T.: 0.000 min
Response: 2387941
Conc: 20.19 ug/ml

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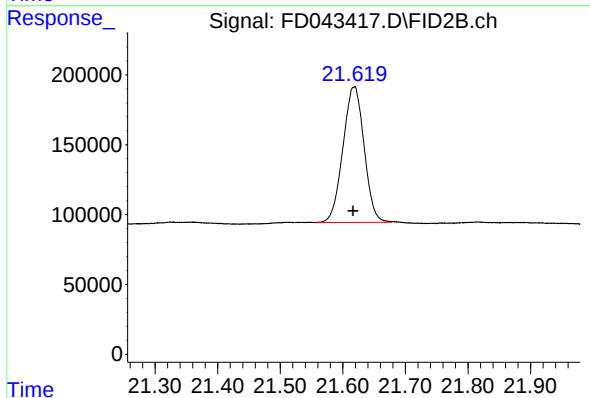
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#22 n-Tetracontane (C40)

R.T.: 21.619 min
Delta R.T.: 0.003 min
Response: 2287675
Conc: 20.23 ug/ml m