

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD072822AL\
 Data File : FD043391.D
 Signal(s) : FID2B.ch
 Acq On : 28 Jul 2022 10:13
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/29/2022
 Supervised By :Ankita Jodhani 07/29/2022

Integration File: autoint1.e
 Quant Time: Jul 28 23:34:25 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)	11.531	3198957	20.209 ug/ml
Spiked Amount 50.000		Recovery =	40.42%
12) S 1-chlorooctadecane (S...	12.966	2467689	20.135 ug/ml
Spiked Amount 50.000		Recovery =	40.27%
Target Compounds			
1) T n-Nonane (C9)	3.312	2998909	21.395 ug/ml
2) T n-Decane (C10)	4.376	3014394	21.439 ug/ml
3) T A~Naphthalene (C11.7)	5.955	3241305	21.332 ug/ml
4) T n-Dodecane (C12)	6.391	3013521	21.173 ug/ml
5) T A~2-methylnaphthalene...	7.010	3197079	21.367 ug/ml
6) T n-Tetradecane (C14)	8.182	2999677	21.147 ug/ml
7) T n-Hexadecane (C16)	9.779	3000057	21.152 ug/ml
8) T n-Octadecane (C18)	11.218	3000794	20.986 ug/ml
10) T n-Eicosane (C20)	12.524	2962599	20.461 ug/ml
11) T n-Heneicosane (C21)	13.135	2923975	20.132 ug/ml
13) T n-Docosane (C22)	13.719	2925056	20.162 ug/ml
14) T n-Tetracosane (C24)	14.819	2889723	19.947 ug/ml
15) T n-Hexacosane (C26)	15.837	2796565	19.442 ug/ml
16) T n-Octacosane (C28)	16.784	2746798	19.417 ug/ml
17) T n-Tricontane (C30)	17.669	2743942	19.441 ug/ml
18) T n-Dotriacontane (C32)	18.498	2725655	19.710 ug/ml
19) T n-Tetratriacontane (C34)	19.279	2549212	19.810 ug/ml
20) T n-Hexatriacontane (C36)	20.017	2500881	20.275 ug/ml
21) T n-Octatriacontane (C38)	20.738	2538830	21.470 ug/ml
22) T n-Tetracontane (C40)	21.617	2415810	21.365 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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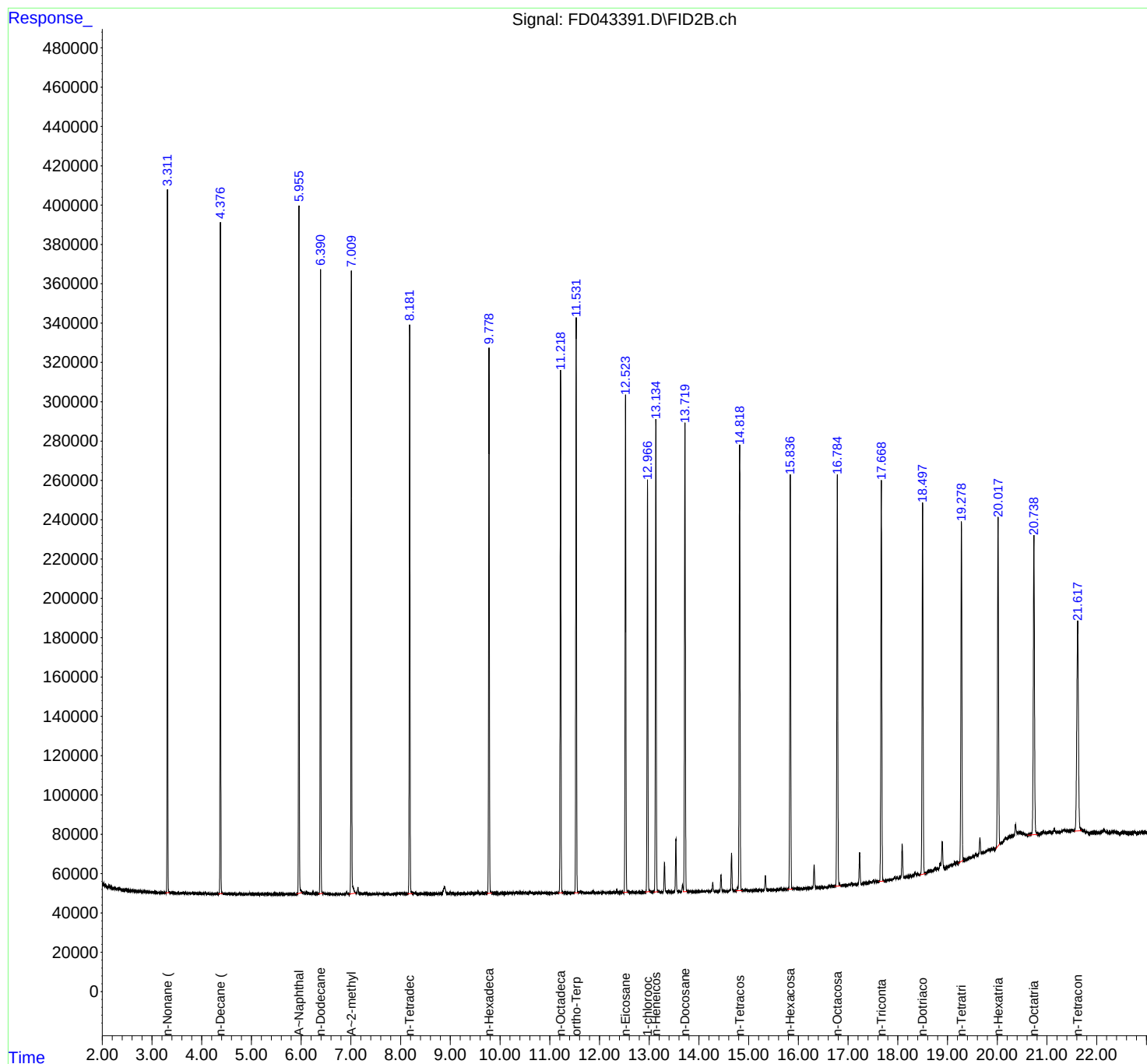
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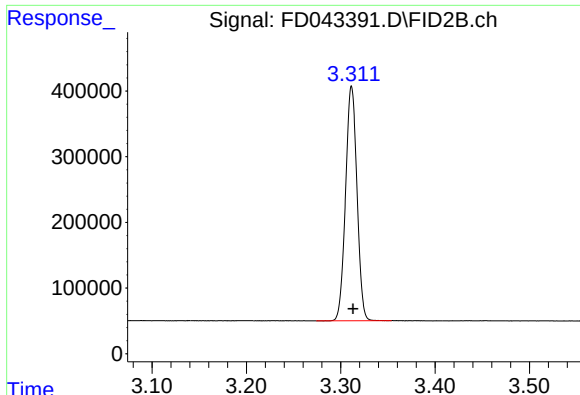
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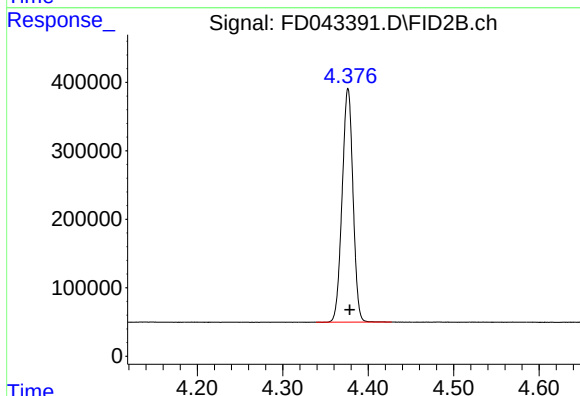
#1 n-Nonane (C9)

R.T.: 3.312 min
Delta R.T.: -0.001 min
Response: 2998909
Conc: 21.40 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

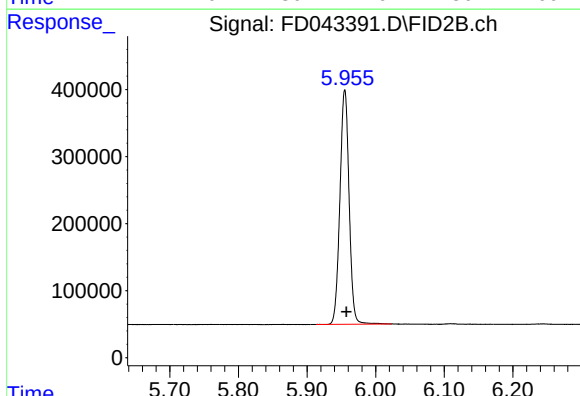
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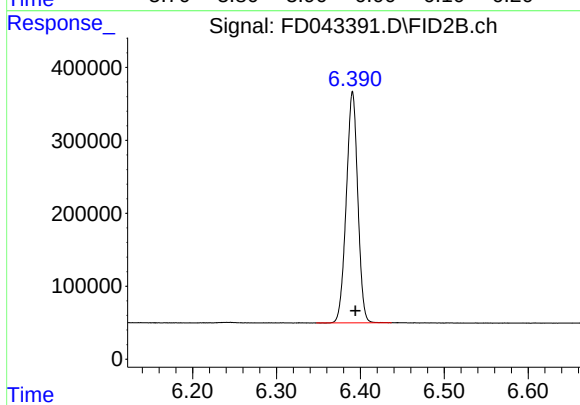
#2 n-Decane (C10)

R.T.: 4.376 min
Delta R.T.: -0.002 min
Response: 3014394
Conc: 21.44 ug/ml



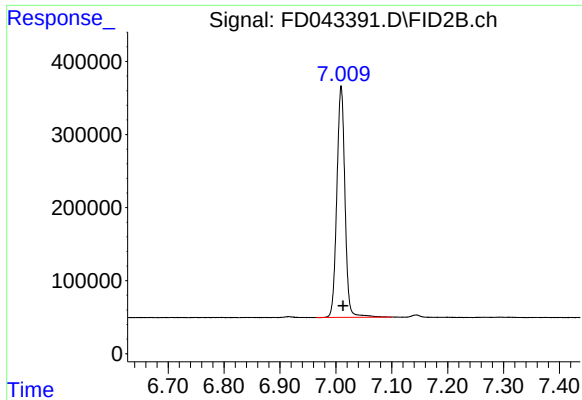
#3 A~Naphthalene (C11.7)

R.T.: 5.955 min
Delta R.T.: -0.002 min
Response: 3241305
Conc: 21.33 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.391 min
Delta R.T.: -0.003 min
Response: 3013521
Conc: 21.17 ug/ml



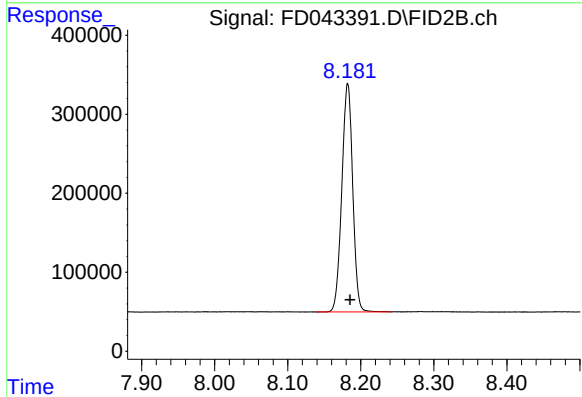
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.010 min
Delta R.T.: -0.003 min
Response: 3197079
Conc: 21.37 ug/ml

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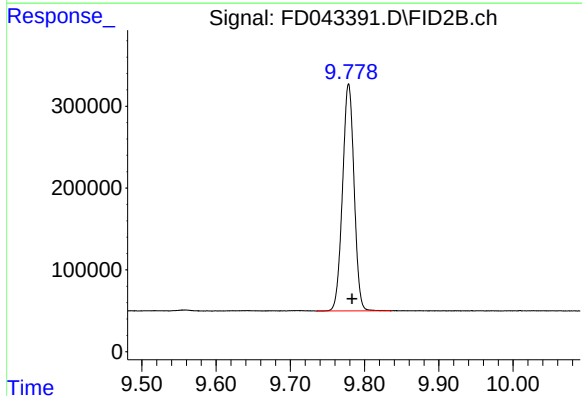
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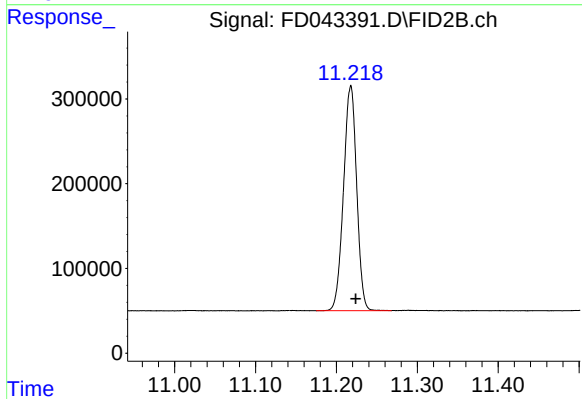
#6 n-Tetradecane (C14)

R.T.: 8.182 min
Delta R.T.: -0.003 min
Response: 2999677
Conc: 21.15 ug/ml



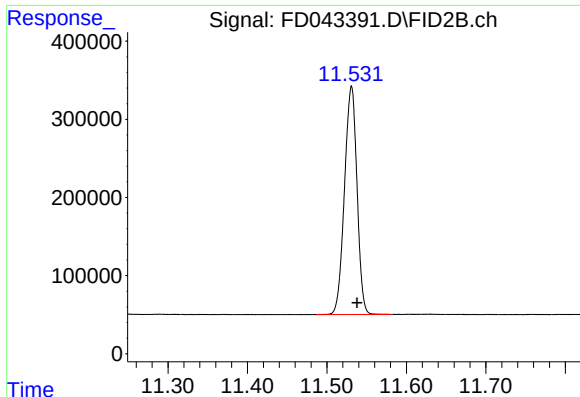
#7 n-Hexadecane (C16)

R.T.: 9.779 min
Delta R.T.: -0.005 min
Response: 3000057
Conc: 21.15 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.218 min
Delta R.T.: -0.006 min
Response: 3000794
Conc: 20.99 ug/ml



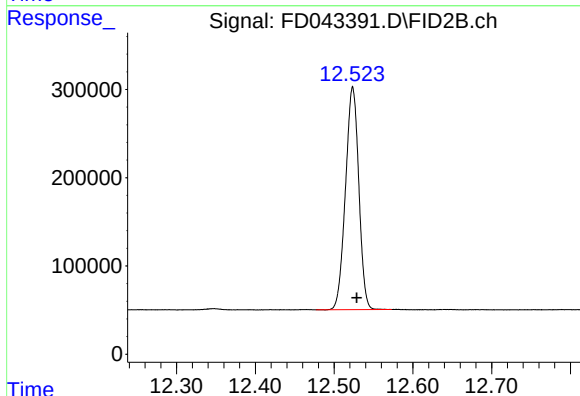
#9 ortho-Terphenyl (SURR)

R.T.: 11.531 min
Delta R.T.: -0.007 min
Response: 3198957
Conc: 20.21 ug/ml

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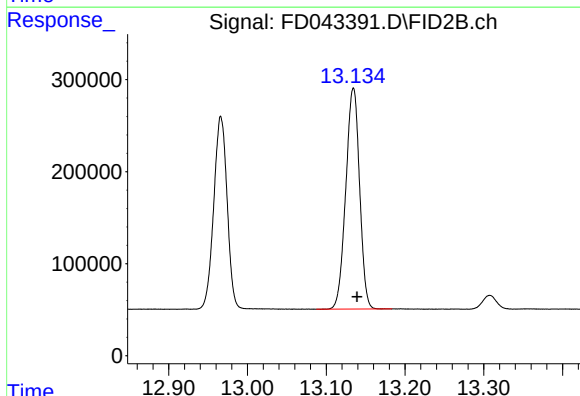
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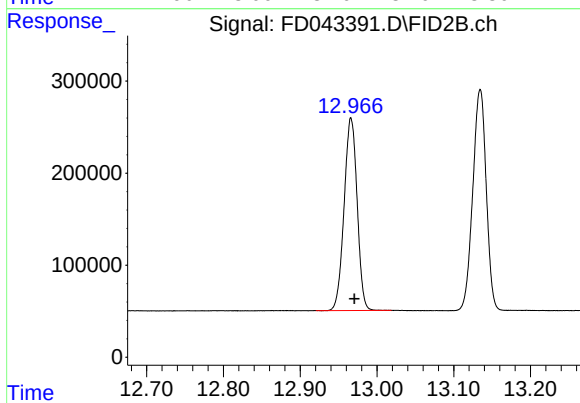
#10 n-Eicosane (C20)

R.T.: 12.524 min
Delta R.T.: -0.005 min
Response: 2962599
Conc: 20.46 ug/ml



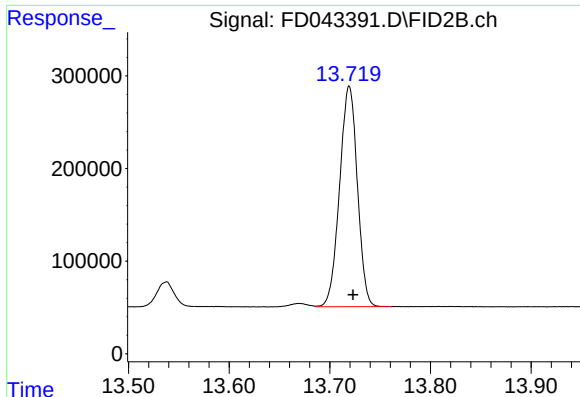
#11 n-Heneicosane (C21)

R.T.: 13.135 min
Delta R.T.: -0.005 min
Response: 2923975
Conc: 20.13 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.966 min
Delta R.T.: -0.005 min
Response: 2467689
Conc: 20.13 ug/ml



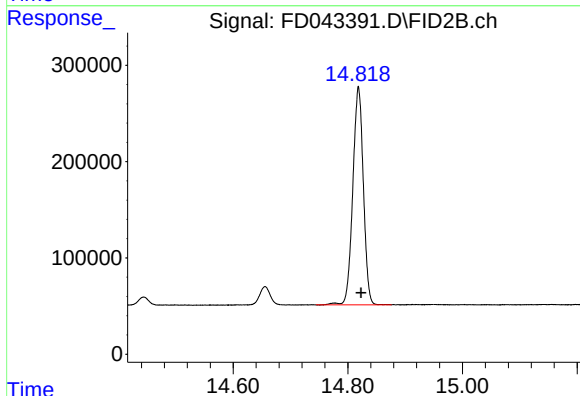
#13 n-Docosane (C22)

R.T.: 13.719 min
Delta R.T.: -0.004 min
Response: 2925056
Conc: 20.16 ug/ml

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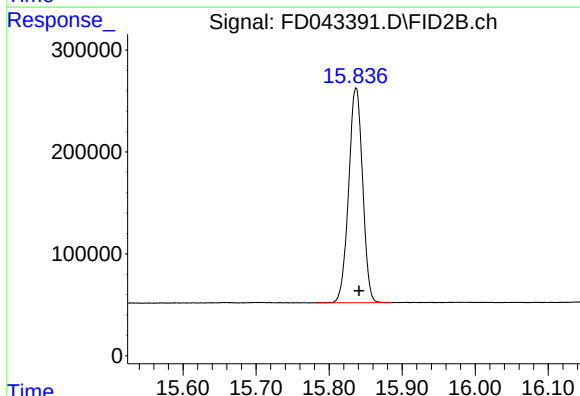
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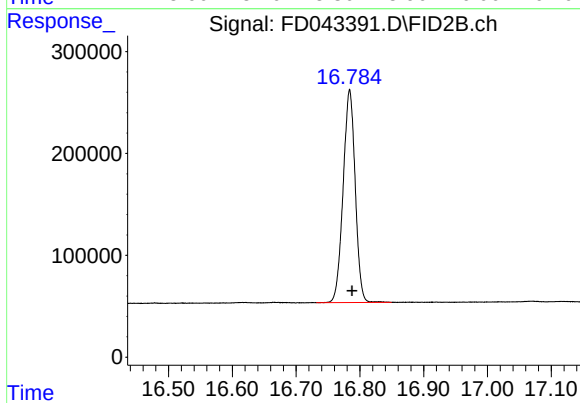
#14 n-Tetracosane (C24)

R.T.: 14.819 min
Delta R.T.: -0.004 min
Response: 2889723
Conc: 19.95 ug/ml



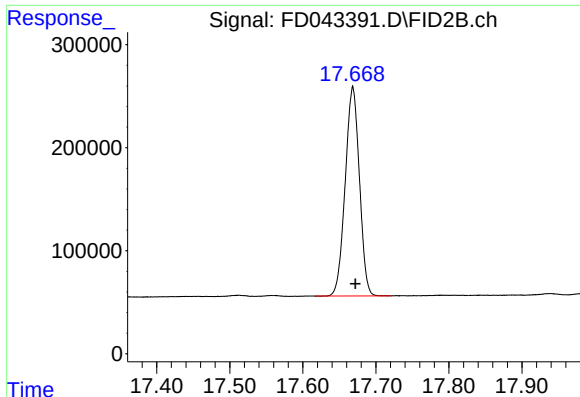
#15 n-Hexacosane (C26)

R.T.: 15.837 min
Delta R.T.: -0.004 min
Response: 2796565
Conc: 19.44 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.784 min
Delta R.T.: -0.004 min
Response: 2746798
Conc: 19.42 ug/ml



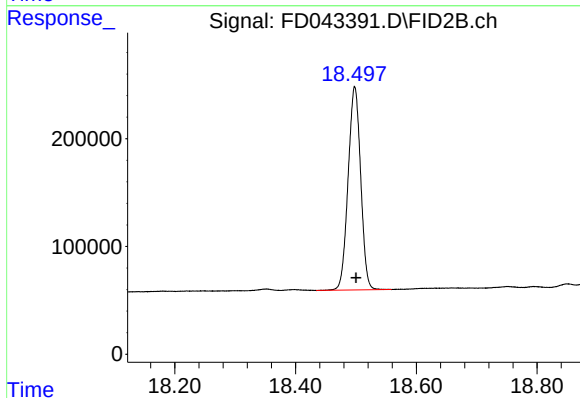
#17 n-Tricontane (C30)

R.T.: 17.669 min
Delta R.T.: -0.003 min
Response: 2743942
Conc: 19.44 ug/ml

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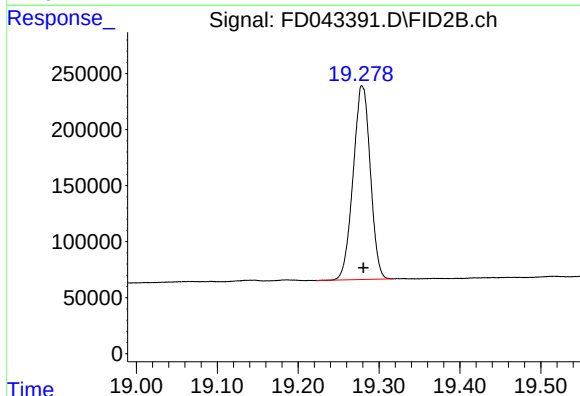
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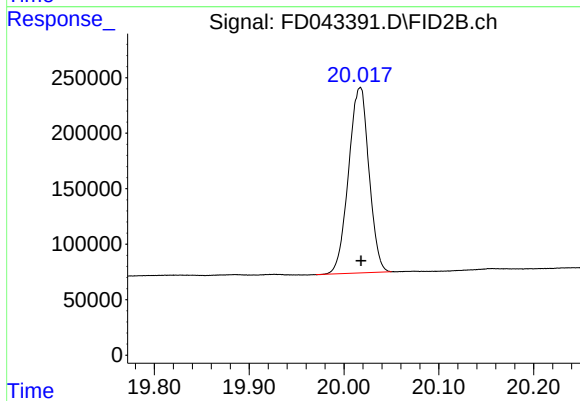
#18 n-Dotriacontane (C32)

R.T.: 18.498 min
Delta R.T.: -0.002 min
Response: 2725655
Conc: 19.71 ug/ml



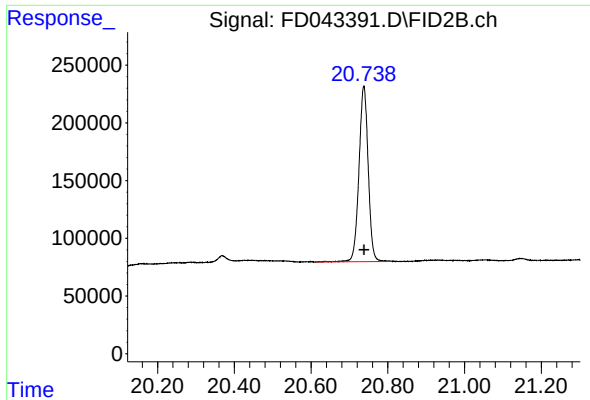
#19 n-Tetratriacontane (C34)

R.T.: 19.279 min
Delta R.T.: -0.001 min
Response: 2549212
Conc: 19.81 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.017 min
Delta R.T.: 0.000 min
Response: 2500881
Conc: 20.28 ug/ml



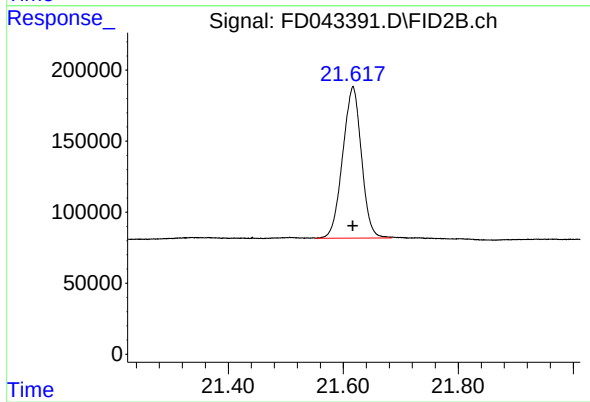
#21 n-Octatriacontane (C38)

R.T.: 20.738 min
Delta R.T.: 0.000 min
Response: 2538830
Conc: 21.47 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.617 min
Delta R.T.: 0.000 min
Response: 2415810
Conc: 21.37 ug/ml m