

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101222AL\
 Data File : FD044101.D
 Signal(s) : FID2B.ch
 Acq On : 12 Oct 2022 10:37
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/13/2022
 Supervised By :Ankita Jodhani 10/14/2022

Integration File: autoint1.e
 Quant Time: Oct 13 07:52:48 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 100522.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 06 01:41:44 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)	11.303	3441709	21.865 ug/ml
Spiked Amount 50.000		Recovery =	43.73%
12) S 1-chlorooctadecane (S...	12.721	2730913	21.715 ug/ml
Spiked Amount 50.000		Recovery =	43.43%
Target Compounds			
1) T n-Nonane (C9)	3.139	2883680	21.357 ug/ml
2) T n-Decane (C10)	4.187	2958258	22.019 ug/ml
3) T A~Naphthalene (C11.7)	5.757	3010874	22.534 ug/ml
4) T n-Dodecane (C12)	6.183	3020110	21.734 ug/ml
5) T A~2-methylnaphthalene...	6.803	3071339	23.621 ug/mlm
6) T n-Tetradecane (C14)	7.964	3036253	21.809 ug/ml
7) T n-Hexadecane (C16)	9.552	3114397	22.080 ug/ml
8) T n-Octadecane (C18)	10.981	3182590	21.887 ug/ml
10) T n-Eicosane (C20)	12.280	3248750	21.909 ug/ml
11) T n-Heneicosane (C21)	12.886	3245208	21.630 ug/ml
13) T n-Docosane (C22)	13.468	3352721	22.300 ug/ml
14) T n-Tetracosane (C24)	14.560	3502392	23.205 ug/ml
15) T n-Hexacosane (C26)	15.571	3499099	23.110 ug/ml
16) T n-Octacosane (C28)	16.512	3448922	22.892 ug/ml
17) T n-Tricontane (C30)	17.389	3469318	22.635 ug/ml
18) T n-Dotriacontane (C32)	18.213	3301476	21.528 ug/ml
19) T n-Tetratriacontane (C34)	18.987	2997735	20.363 ug/ml
20) T n-Hexatriacontane (C36)	19.716	2816955	19.213 ug/mlm
21) T n-Octatriacontane (C38)	20.408	2923176	20.954 ug/mlm
22) T n-Tetracontane (C40)	21.168	2500895	19.229 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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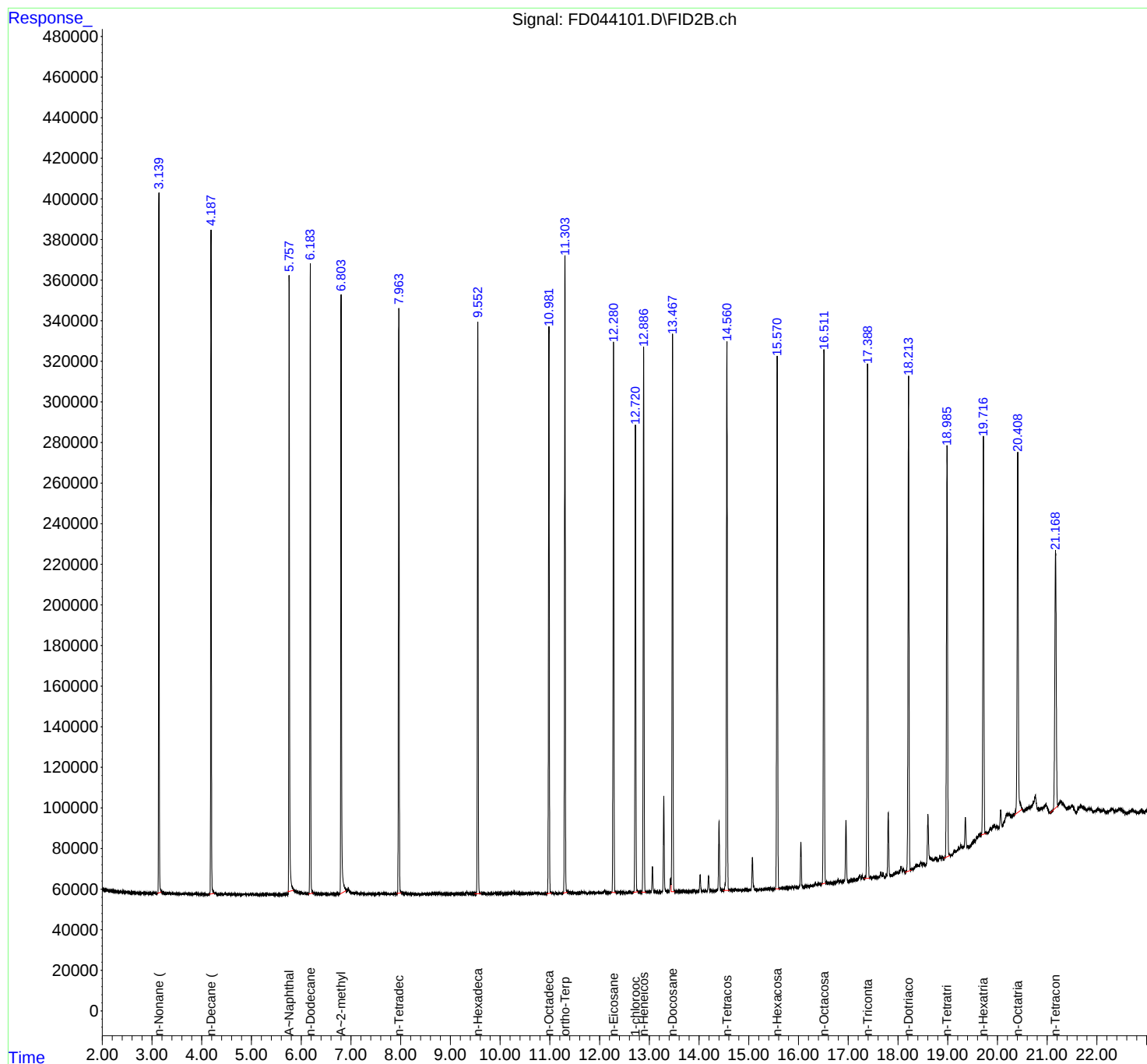
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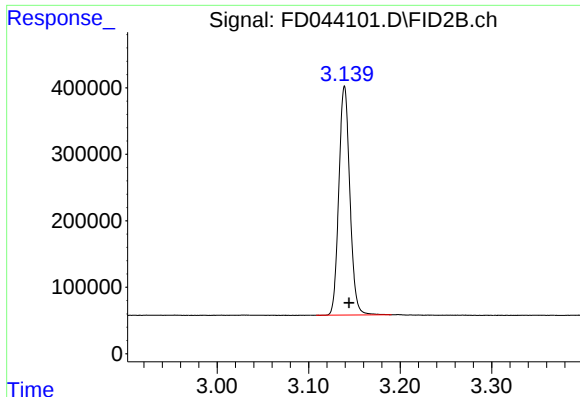
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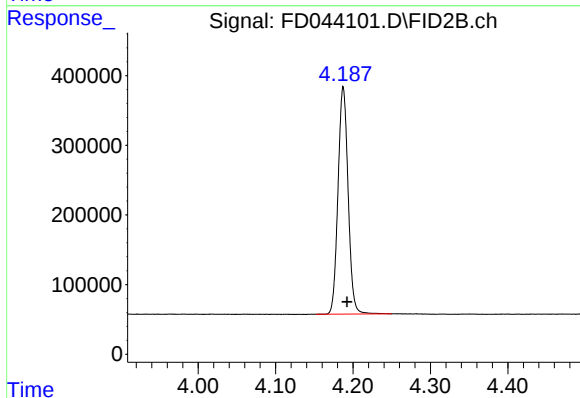
#1 n-Nonane (C9)

R.T.: 3.139 min
Delta R.T.: -0.005 min
Response: 2883680
Conc: 21.36 ug/ml

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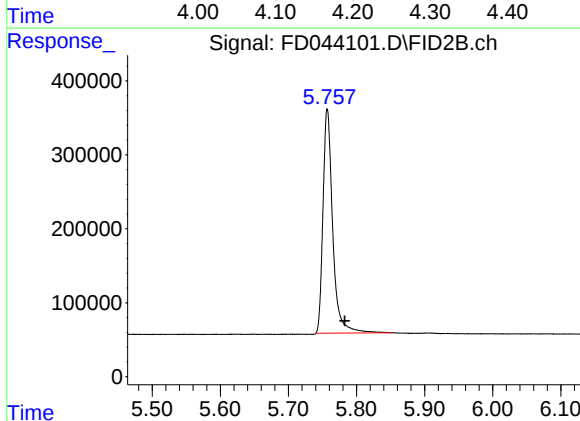
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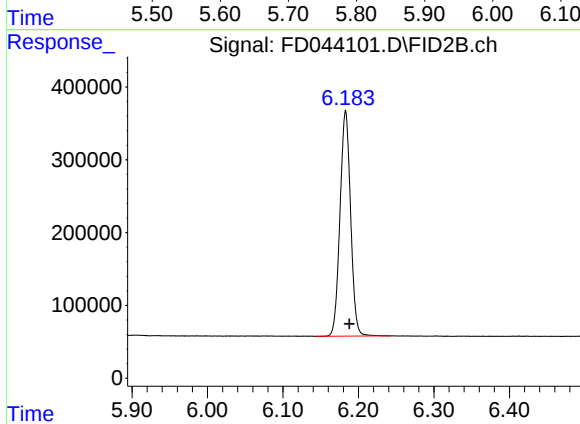
#2 n-Decane (C10)

R.T.: 4.187 min
Delta R.T.: -0.005 min
Response: 2958258
Conc: 22.02 ug/ml



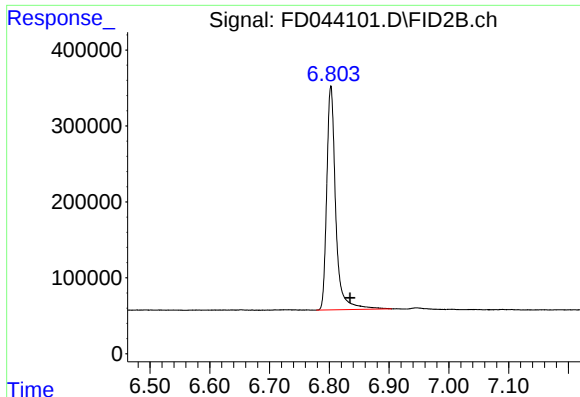
#3 A~Naphthalene (C11.7)

R.T.: 5.757 min
Delta R.T.: -0.026 min
Response: 3010874
Conc: 22.53 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.183 min
Delta R.T.: -0.005 min
Response: 3020110
Conc: 21.73 ug/ml



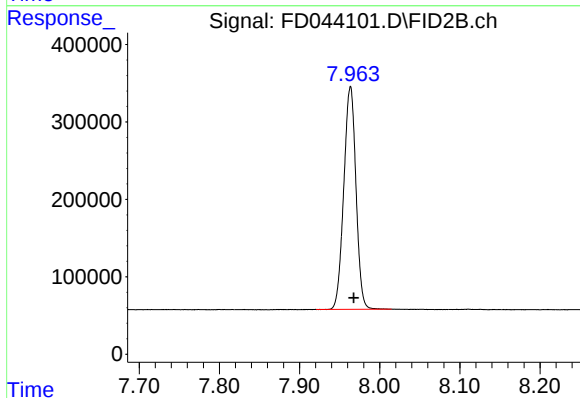
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.803 min
Delta R.T.: -0.032 min
Response: 3071339
Conc: 23.62 ug/ml

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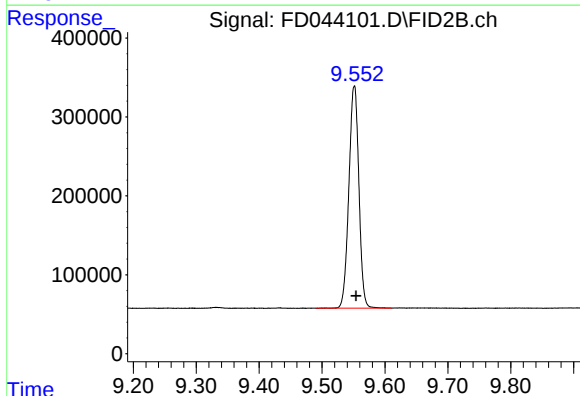
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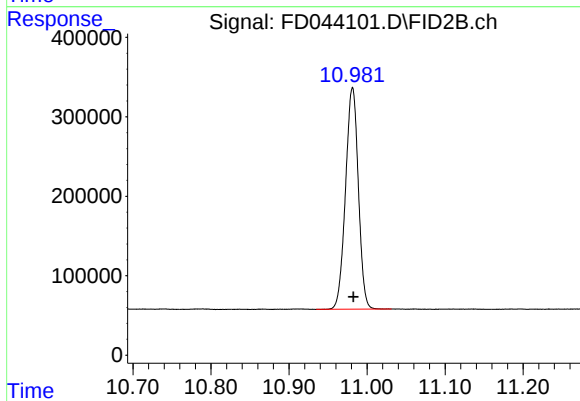
#6 n-Tetradecane (C14)

R.T.: 7.964 min
Delta R.T.: -0.004 min
Response: 3036253
Conc: 21.81 ug/ml



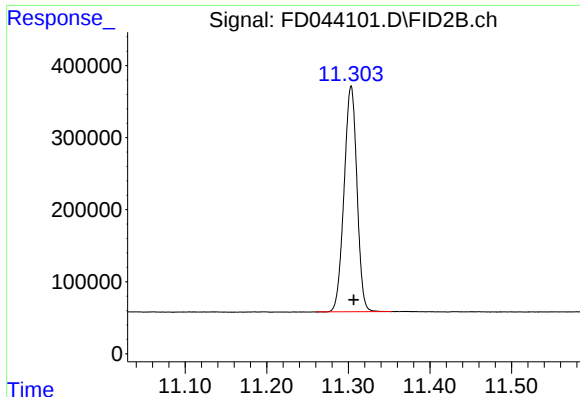
#7 n-Hexadecane (C16)

R.T.: 9.552 min
Delta R.T.: -0.002 min
Response: 3114397
Conc: 22.08 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.981 min
Delta R.T.: -0.001 min
Response: 3182590
Conc: 21.89 ug/ml



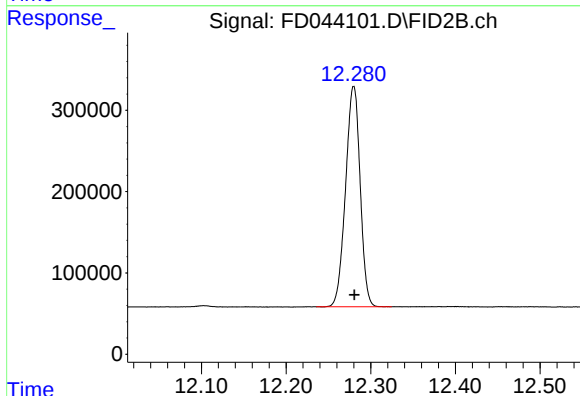
#9 ortho-Terphenyl (SURR)

R.T.: 11.303 min
Delta R.T.: -0.003 min
Response: 3441709
Conc: 21.87 ug/ml

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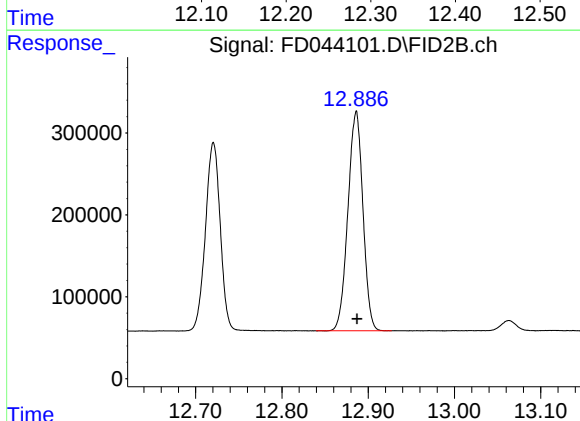
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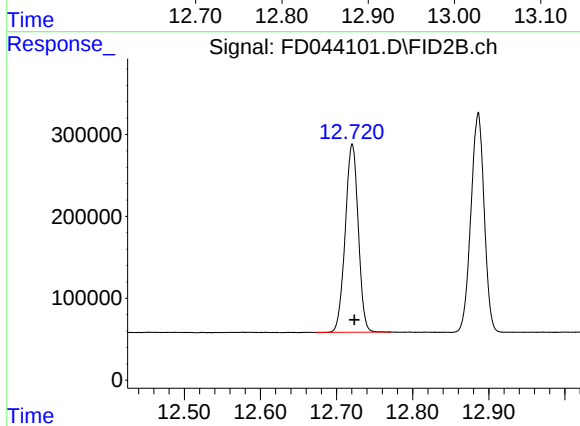
#10 n-Eicosane (C20)

R.T.: 12.280 min
Delta R.T.: 0.000 min
Response: 3248750
Conc: 21.91 ug/ml



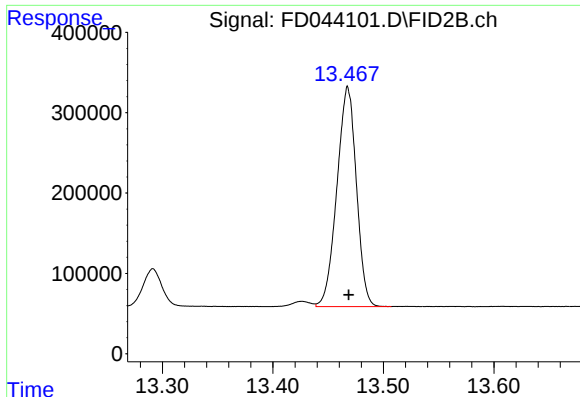
#11 n-Heneicosane (C21)

R.T.: 12.886 min
Delta R.T.: 0.000 min
Response: 3245208
Conc: 21.63 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.721 min
Delta R.T.: -0.003 min
Response: 2730913
Conc: 21.71 ug/ml



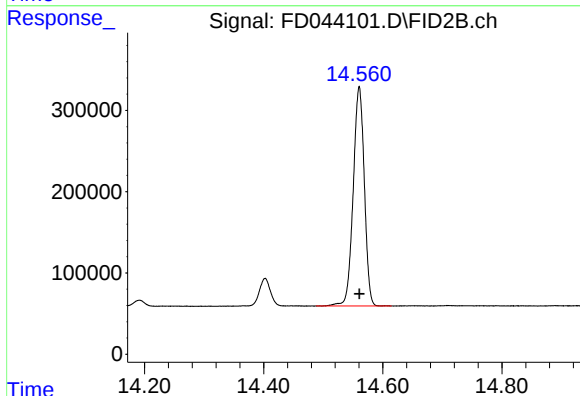
#13 n-Docosane (C22)

R.T.: 13.468 min
Delta R.T.: 0.000 min
Response: 3352721
Conc: 22.30 ug/ml

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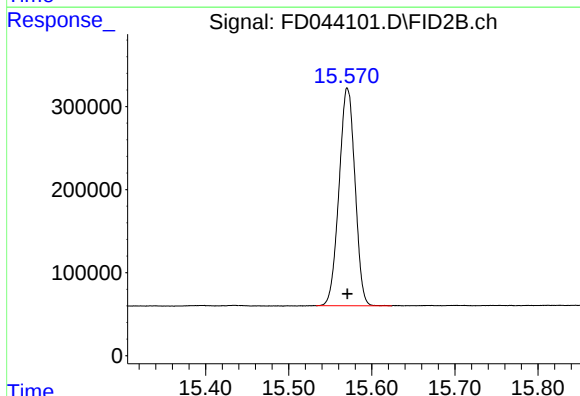
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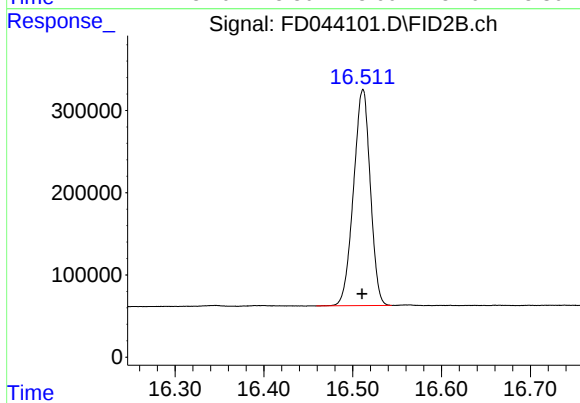
#14 n-Tetracosane (C24)

R.T.: 14.560 min
Delta R.T.: 0.000 min
Response: 3502392
Conc: 23.20 ug/ml



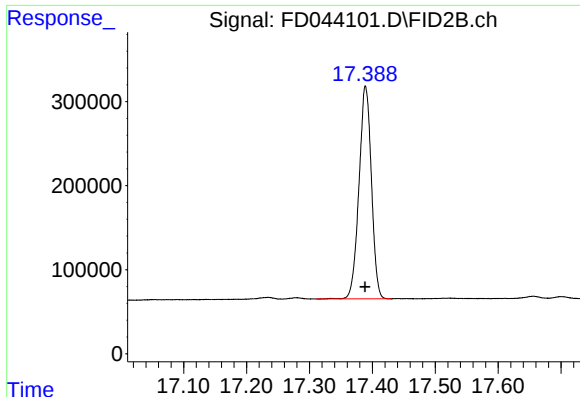
#15 n-Hexacosane (C26)

R.T.: 15.571 min
Delta R.T.: 0.000 min
Response: 3499099
Conc: 23.11 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.512 min
Delta R.T.: 0.000 min
Response: 3448922
Conc: 22.89 ug/ml



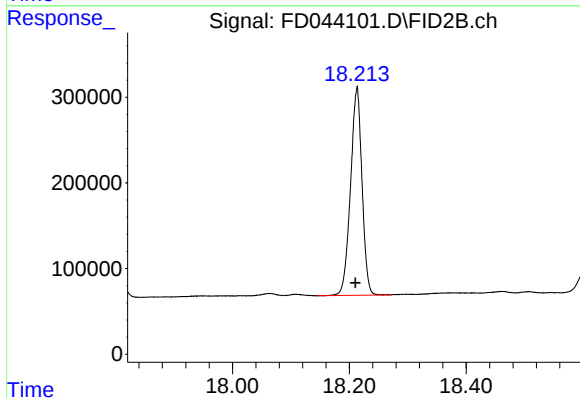
#17 n-Tricontane (C30)

R.T.: 17.389 min
Delta R.T.: 0.000 min
Response: 3469318
Conc: 22.63 ug/ml

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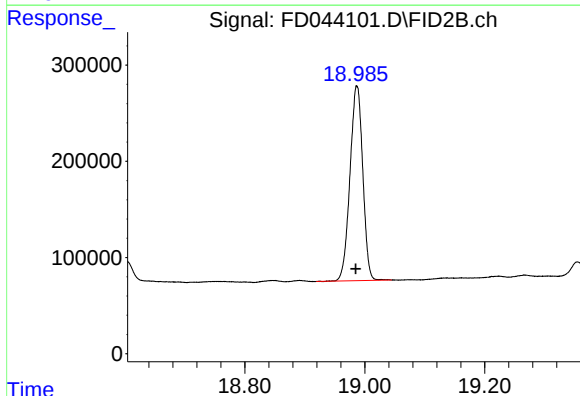
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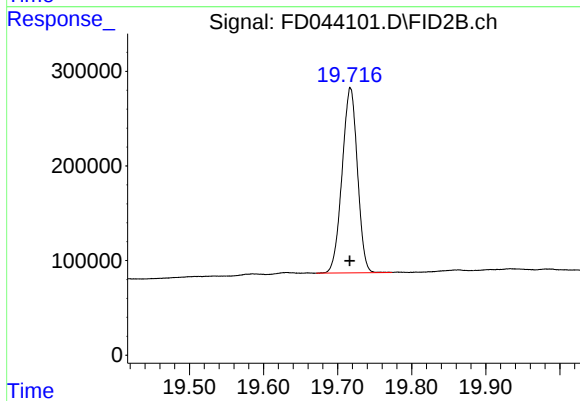
#18 n-Dotriacontane (C32)

R.T.: 18.213 min
Delta R.T.: 0.003 min
Response: 3301476
Conc: 21.53 ug/ml



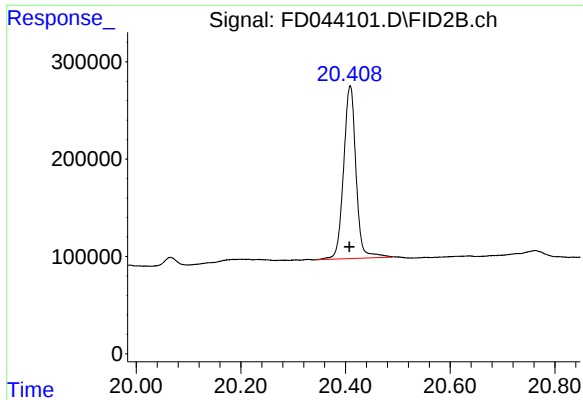
#19 n-Tetratriacontane (C34)

R.T.: 18.987 min
Delta R.T.: 0.002 min
Response: 2997735
Conc: 20.36 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.716 min
Delta R.T.: 0.000 min
Response: 2816955
Conc: 19.21 ug/ml m



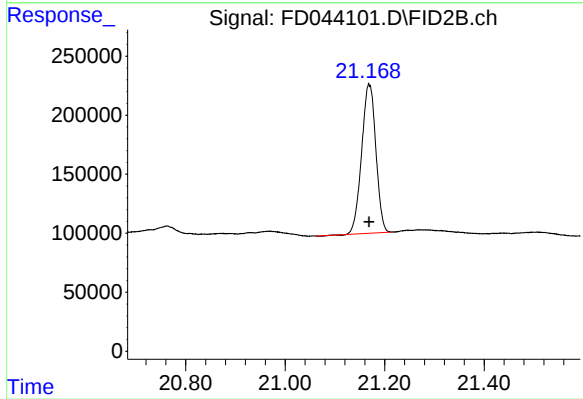
#21 n-Octatriacontane (C38)

R.T.: 20.408 min
Delta R.T.: 0.000 min
Response: 2923176
Conc: 20.95 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.168 min
Delta R.T.: 0.000 min
Response: 2500895
Conc: 19.23 ug/ml