

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101424AL\
 Data File : FD048501.D
 Signal(s) : FID2B.ch
 Acq On : 14 Oct 2024 19:44
 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

10/15/2024
 Supervised By :Ankita
 Jodhani

10/15/2024

Integration File: autoint1.e
 Quant Time: Oct 15 10:31:24 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 101024.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 10 14:48:19 2024
 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)	11.264	3958560	19.951 ug/ml
Spiked Amount 50.000		Recovery =	39.90%
12) S 1-chlorooctadecane (S...	12.707	2999783	20.053 ug/ml
Spiked Amount 50.000		Recovery =	40.11%
Target Compounds			
1) T n-Nonane (C9)	3.125	3431705	20.433 ug/ml
2) T n-Decane (C10)	4.170	3566214	20.549 ug/ml
3) T A~Naphthalene (C11.7)	5.717	3867672	20.471 ug/ml
4) T n-Dodecane (C12)	6.164	3589193	20.500 ug/ml
5) T A~2-methylnaphthalene...	6.763	3770260	20.944 ug/ml
6) T n-Tetradecane (C14)	7.946	3549541	20.343 ug/ml
7) T n-Hexadecane (C16)	9.535	3632112	20.154 ug/ml
8) T n-Octadecane (C18)	10.968	3646050	20.084 ug/ml
10) T n-Eicosane (C20)	12.269	3476616	19.933 ug/ml
11) T n-Heneicosane (C21)	12.878	3410373	19.933 ug/ml
13) T n-Docosane (C22)	13.461	3373675	19.755 ug/ml
14) T n-Tetracosane (C24)	14.558	3312871	19.559 ug/ml
15) T n-Hexacosane (C26)	15.573	3183309	19.231 ug/ml
16) T n-Octacosane (C28)	16.518	3081687	18.718 ug/ml
17) T n-Tricontane (C30)	17.400	3153494	18.394 ug/ml
18) T n-Dotriacontane (C32)	18.229	3328392	19.893 ug/ml
19) T n-Tetratriacontane (C34)	19.008	3159763	21.901 ug/ml
20) T n-Hexatriacontane (C36)	19.743	2979710	24.818 ug/ml
21) T n-Octatriacontane (C38)	20.440	4529133	40.446 ug/ml
22) T n-Tetracontane (C40)	21.222	4367372	43.626 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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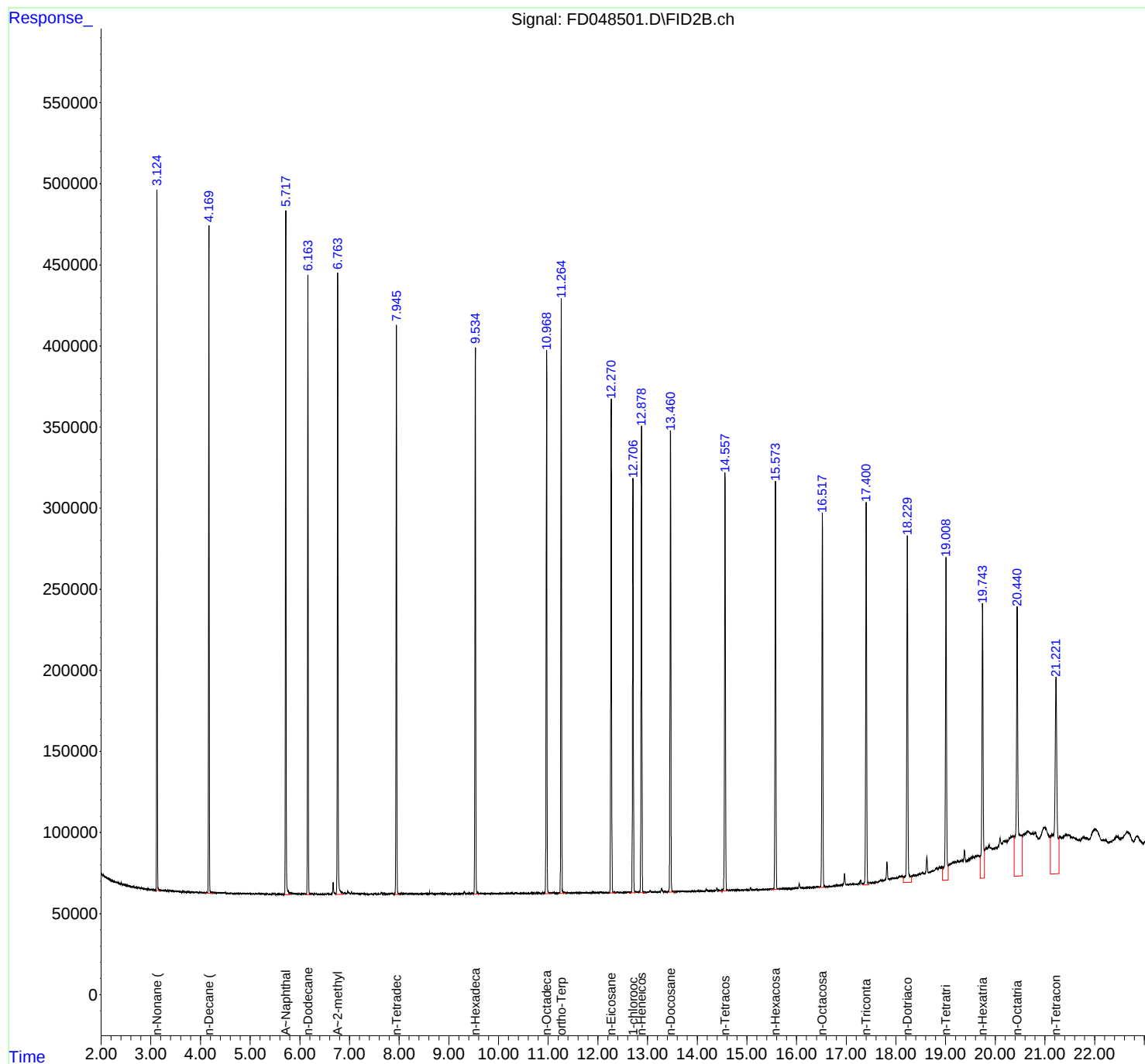
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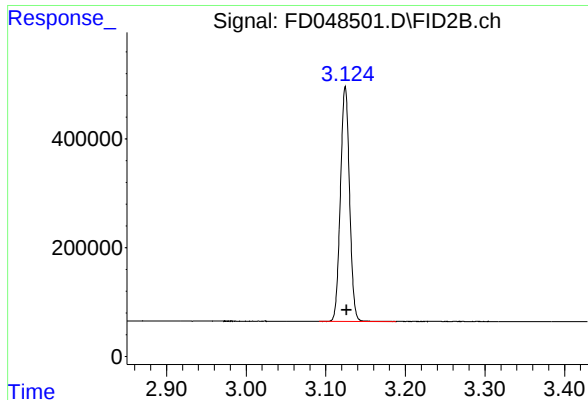
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#1 n-Nonane (C9)

R.T.: 3.125 min
Delta R.T.: -0.001 min
Response: 3431705
Conc: 20.43 ug/ml

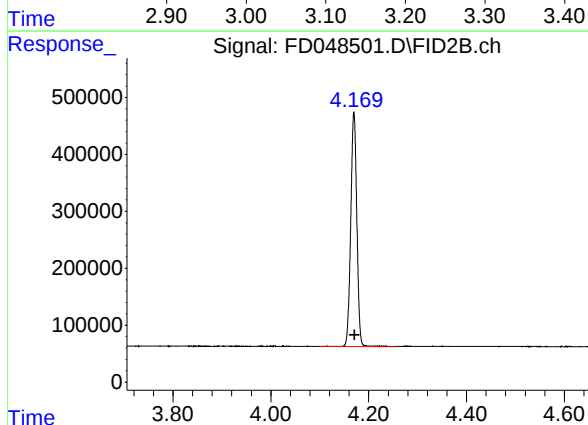
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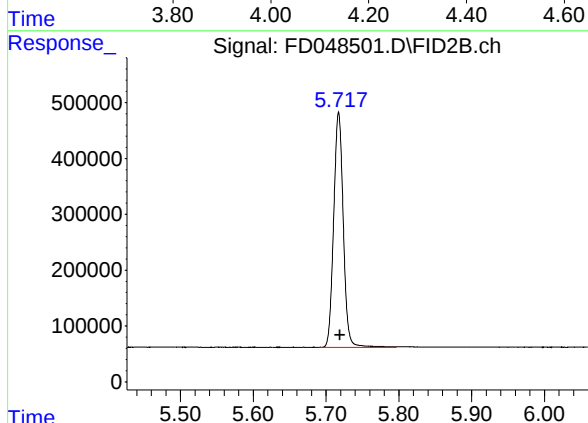
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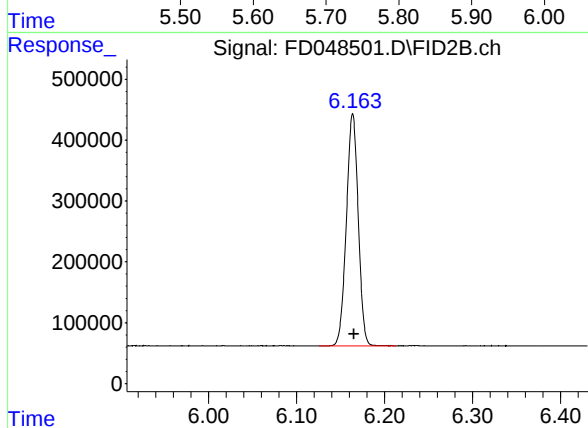
#2 n-Decane (C10)

R.T.: 4.170 min
Delta R.T.: -0.001 min
Response: 3566214
Conc: 20.55 ug/ml



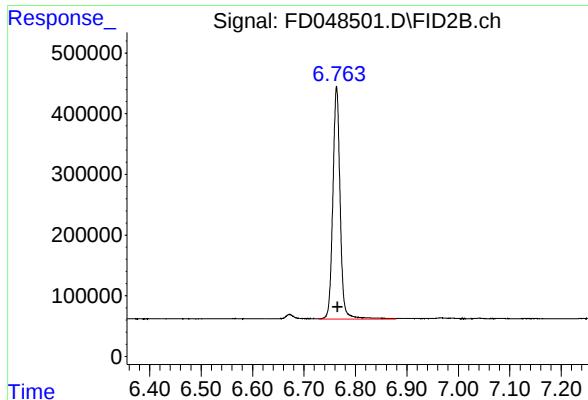
#3 A~Naphthalene (C11.7)

R.T.: 5.717 min
Delta R.T.: -0.002 min
Response: 3867672
Conc: 20.47 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.164 min
Delta R.T.: -0.001 min
Response: 3589193
Conc: 20.50 ug/ml



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

R.T.: 6.763 min
Delta R.T.: -0.002 min
Response: 3770260
Conc: 20.94 ug/ml

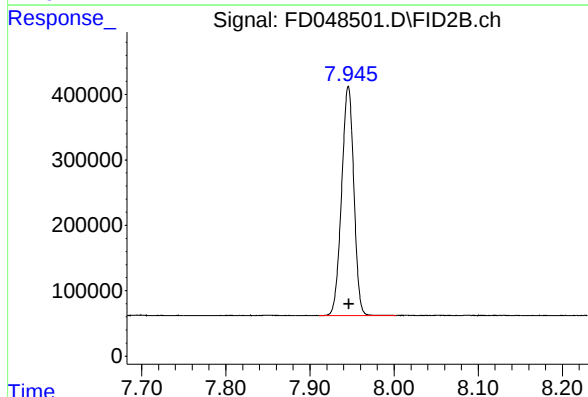
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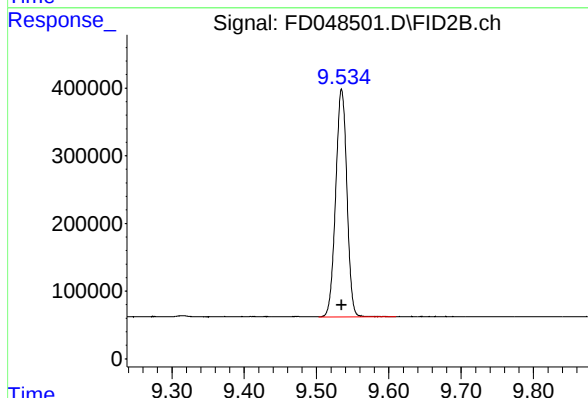
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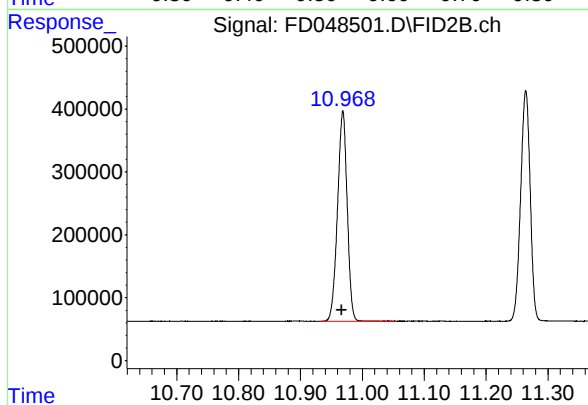
#6 n-Tetradecane (C14)

R.T.: 7.946 min
Delta R.T.: 0.000 min
Response: 3549541
Conc: 20.34 ug/ml



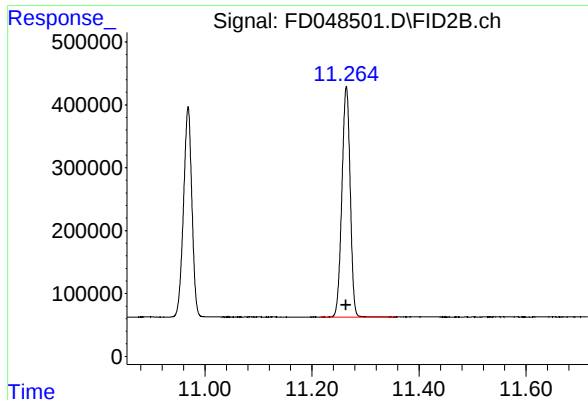
#7 n-Hexadecane (C16)

R.T.: 9.535 min
Delta R.T.: 0.000 min
Response: 3632112
Conc: 20.15 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.968 min
Delta R.T.: 0.002 min
Response: 3646050
Conc: 20.08 ug/ml



#9 ortho-Terphenyl (SURR)

R.T.: 11.264 min
Delta R.T.: 0.000 min
Response: 3958560
Conc: 19.95 ug/ml

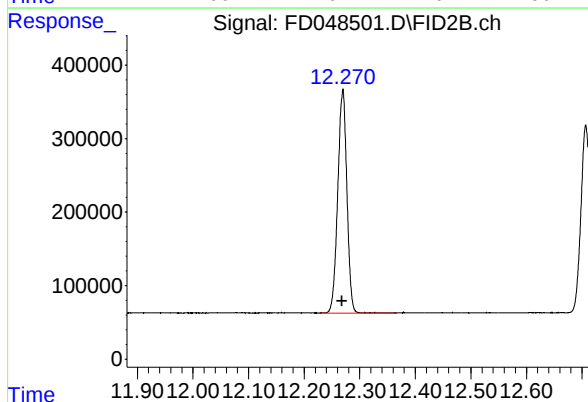
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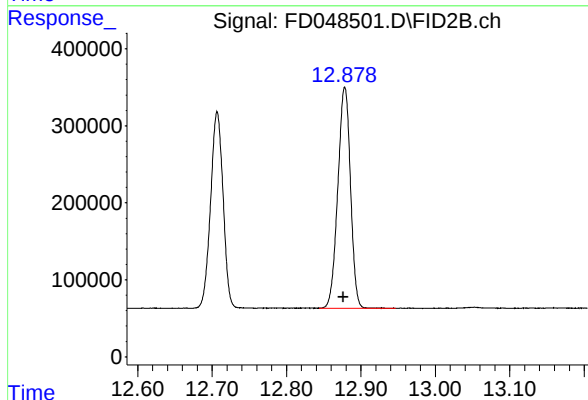
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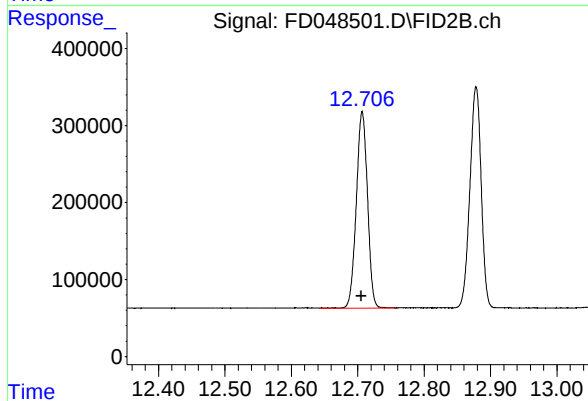
#10 n-Eicosane (C20)

R.T.: 12.269 min
Delta R.T.: 0.001 min
Response: 3476616
Conc: 19.93 ug/ml



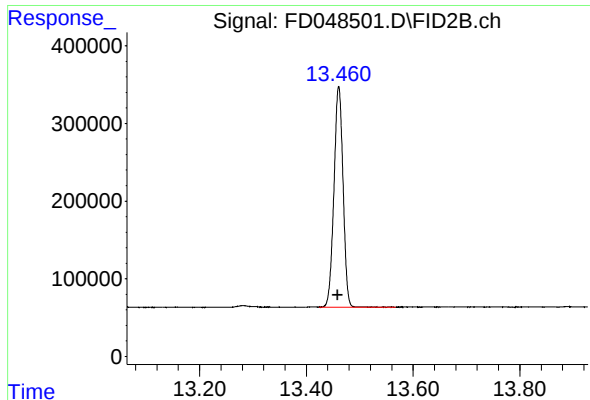
#11 n-Heneicosane (C21)

R.T.: 12.878 min
Delta R.T.: 0.002 min
Response: 3410373
Conc: 19.93 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.707 min
Delta R.T.: 0.001 min
Response: 2999783
Conc: 20.05 ug/ml



#13 n-Docosane (C22)

R.T.: 13.461 min
Delta R.T.: 0.002 min
Response: 3373675
Conc: 19.75 ug/ml

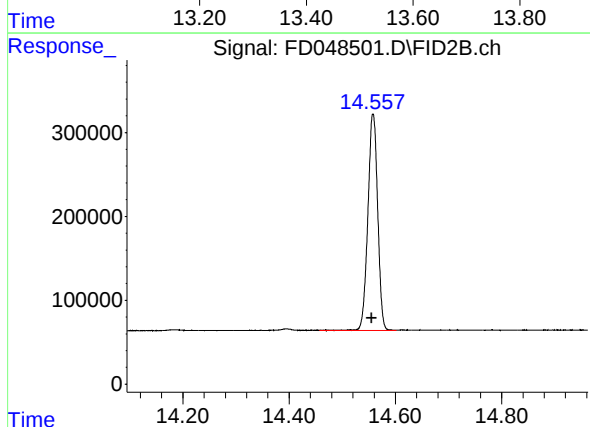
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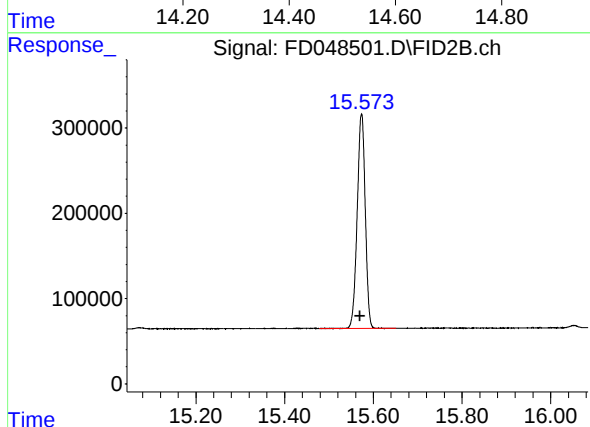
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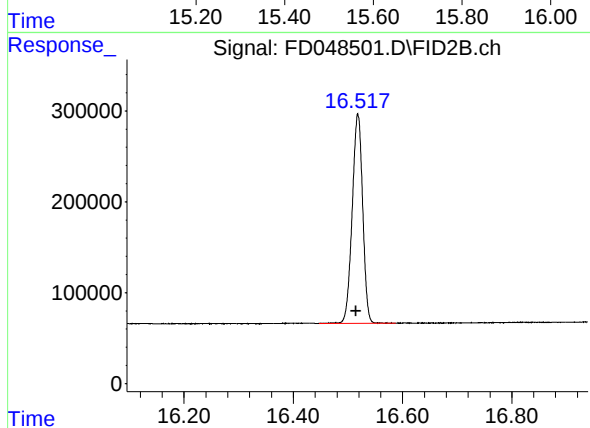
#14 n-Tetracosane (C24)

R.T.: 14.558 min
Delta R.T.: 0.003 min
Response: 3312871
Conc: 19.56 ug/ml



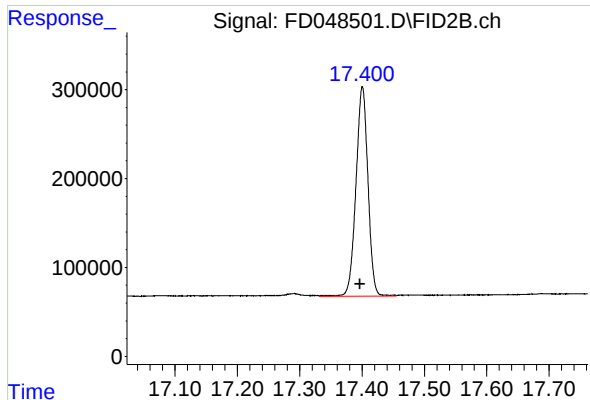
#15 n-Hexacosane (C26)

R.T.: 15.573 min
Delta R.T.: 0.003 min
Response: 3183309
Conc: 19.23 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.518 min
Delta R.T.: 0.003 min
Response: 3081687
Conc: 18.72 ug/ml



#17 n-Tricontane (C30)

R.T.: 17.400 min
Delta R.T.: 0.004 min
Response: 3153494
Conc: 18.39 ug/ml

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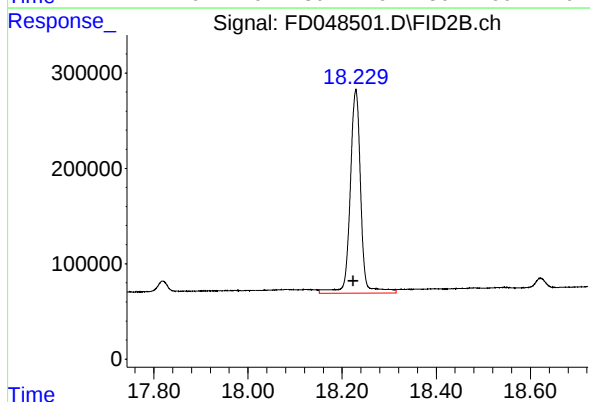
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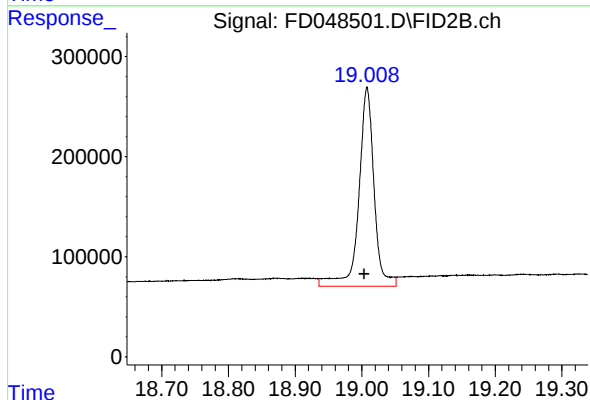
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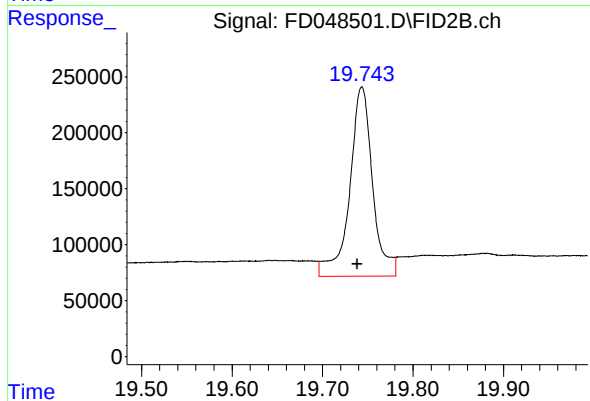
#18 n-Dotriacontane (C32)

R.T.: 18.229 min
Delta R.T.: 0.005 min
Response: 3328392
Conc: 19.89 ug/ml



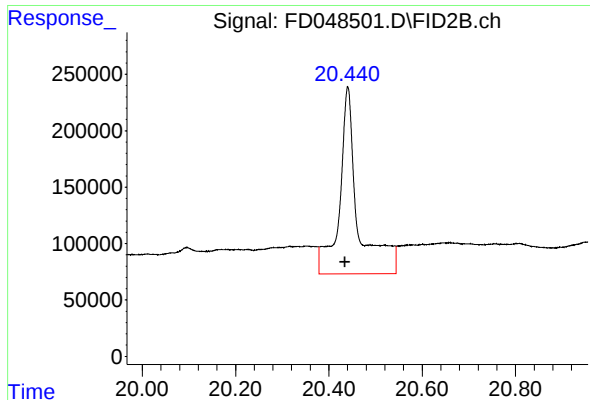
#19 n-Tetratriacontane (C34)

R.T.: 19.008 min
Delta R.T.: 0.004 min
Response: 3159763
Conc: 21.90 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.743 min
Delta R.T.: 0.005 min
Response: 2979710
Conc: 24.82 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.440 min
Delta R.T.: 0.006 min
Response: 4529133
Conc: 40.45 ug/ml

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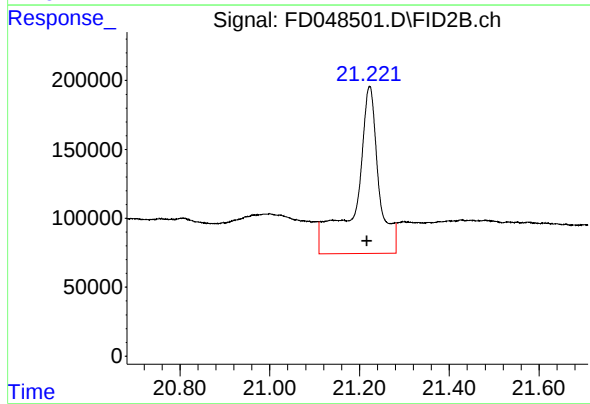
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#22 n-Tetracontane (C40)

R.T.: 21.222 min
Delta R.T.: 0.006 min
Response: 4367372
Conc: 43.63 ug/ml