

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF103124AL\
 Data File : FF014893.D
 Signal(s) : FID2B.ch
 Acq On : 01 Nov 2024 01:07
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/01/2024
 Supervised By :Ankita Jodhani 11/04/2024

Integration File: sample.E
 Quant Time: Nov 01 02:23:42 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 102124.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 22 05:46:44 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)	11.928	3091135	20.272 ug/ml
Spiked Amount 50.000		Recovery =	40.54%
12) S 1-chlorooctadecane (S...	13.364	2378104	19.795 ug/ml
Spiked Amount 50.000		Recovery =	39.59%
Target Compounds			
1) T n-Nonane (C9)	3.324	2798918	22.246 ug/ml
2) T n-Decane (C10)	4.574	2855996	22.339 ug/ml
3) T A~Naphthalene (C11.7)	6.274	3136022	22.322 ug/ml
4) T n-Dodecane (C12)	6.735	2893247	22.439 ug/ml
5) T A~2-methylnaphthalene...	7.367	3034824	22.210 ug/ml
6) T n-Tetradecane (C14)	8.560	2871550	22.289 ug/ml
7) T n-Hexadecane (C16)	10.167	2945429	21.835 ug/ml
8) T n-Octadecane (C18)	11.610	2940375	21.135 ug/ml
10) T n-Eicosane (C20)	12.920	2786756	20.327 ug/ml
11) T n-Heneicosane (C21)	13.531	2714544	19.872 ug/ml
13) T n-Docosane (C22)	14.118	2669177	19.433 ug/ml
14) T n-Tetracosane (C24)	15.221	2590106	18.540 ug/ml
15) T n-Hexacosane (C26)	16.243	2482263	17.789 ug/ml
16) T n-Octacosane (C28)	17.193	2396547	17.358 ug/ml
17) T n-Tricontane (C30)	18.080	2412030	17.122 ug/ml
18) T n-Dotriacontane (C32)	18.914	2379451	17.153 ug/ml
19) T n-Tetratriacontane (C34)	19.698	2052706	17.483 ug/mlm
20) T n-Hexatriacontane (C36)	20.438	1871152	18.572 ug/ml
21) T n-Octatriacontane (C38)	21.174	1815708	20.180 ug/ml
22) T n-Tetracontane (C40)	22.088	1874771	20.911 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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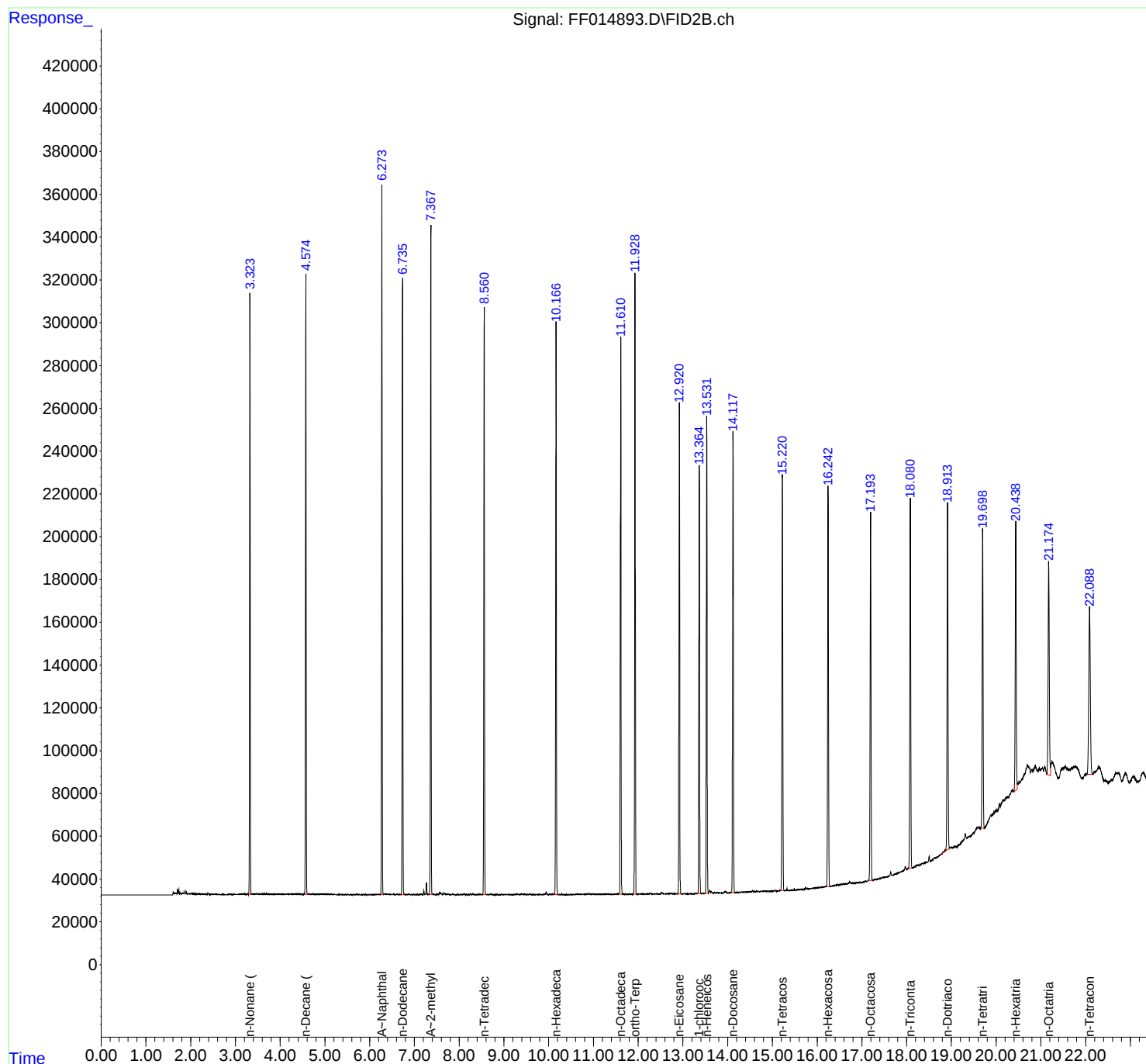
Instrument :
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20 PPM ALIPHATIC HC STD

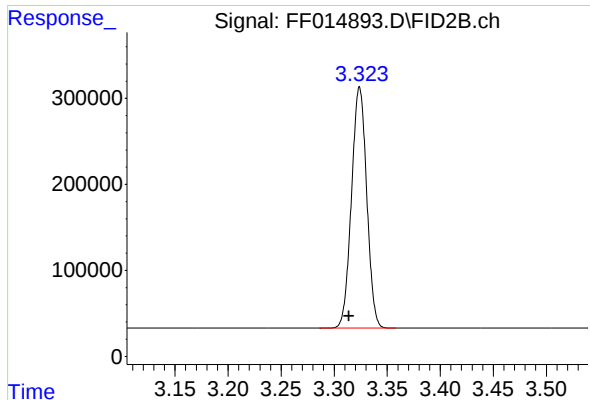
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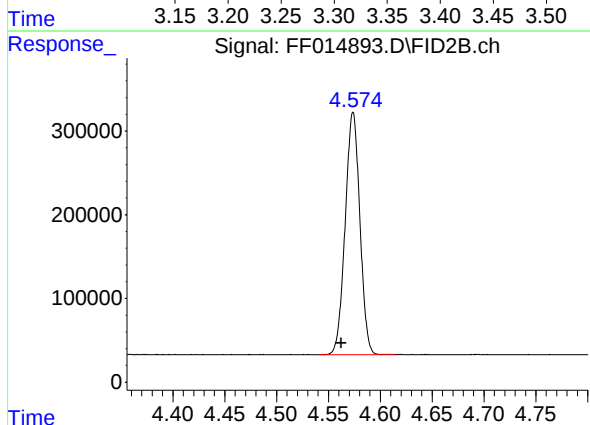
#1 n-Nonane (C9)

R.T.: 3.324 min
Delta R.T.: 0.010 min
Response: 2798918
Conc: 22.25 ug/ml

Instrument : FID_F
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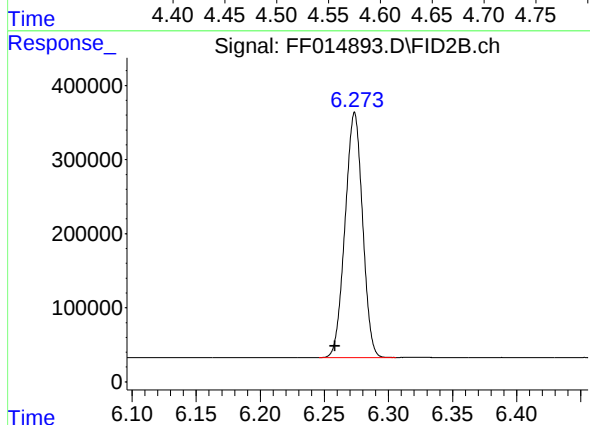
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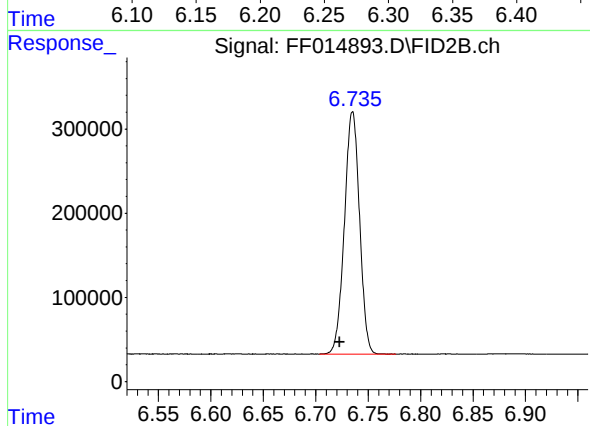
#2 n-Decane (C10)

R.T.: 4.574 min
Delta R.T.: 0.011 min
Response: 2855996
Conc: 22.34 ug/ml



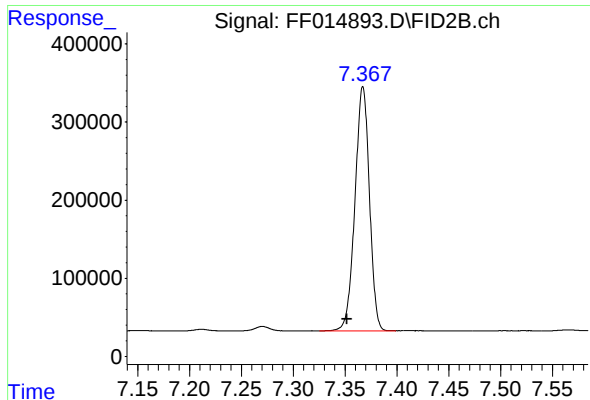
#3 A~Naphthalene (C11.7)

R.T.: 6.274 min
Delta R.T.: 0.015 min
Response: 3136022
Conc: 22.32 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.735 min
Delta R.T.: 0.013 min
Response: 2893247
Conc: 22.44 ug/ml



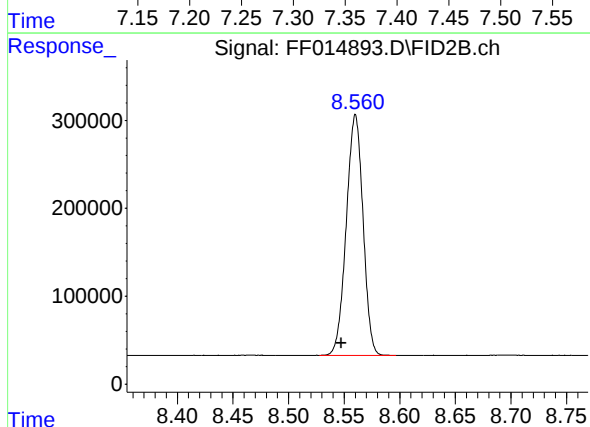
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.367 min
Delta R.T.: 0.016 min
Response: 3034824
Conc: 22.21 ug/ml

Instrument :
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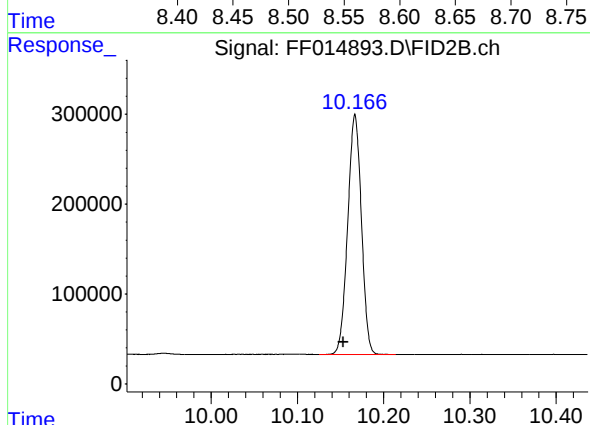
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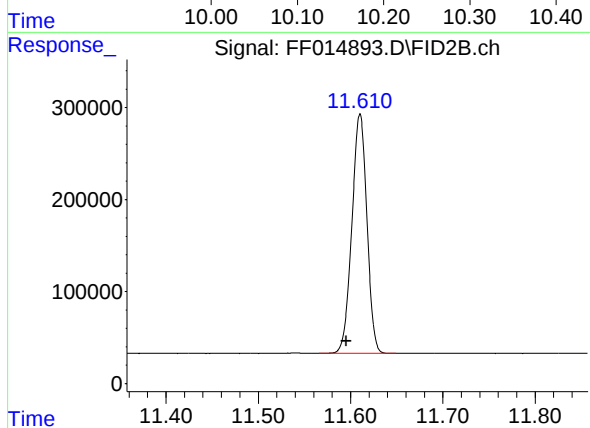
#6 n-Tetradecane (C14)

R.T.: 8.560 min
Delta R.T.: 0.013 min
Response: 2871550
Conc: 22.29 ug/ml



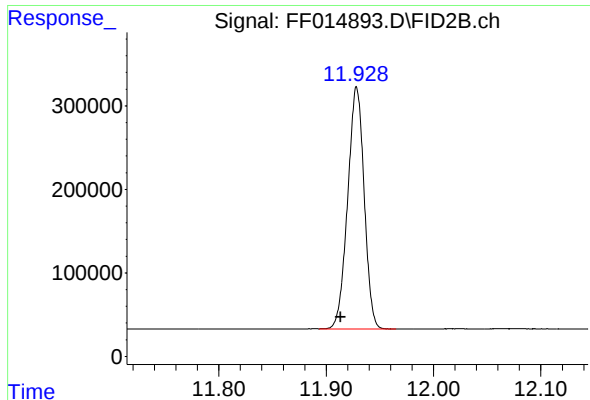
#7 n-Hexadecane (C16)

R.T.: 10.167 min
Delta R.T.: 0.013 min
Response: 2945429
Conc: 21.83 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.610 min
Delta R.T.: 0.015 min
Response: 2940375
Conc: 21.13 ug/ml



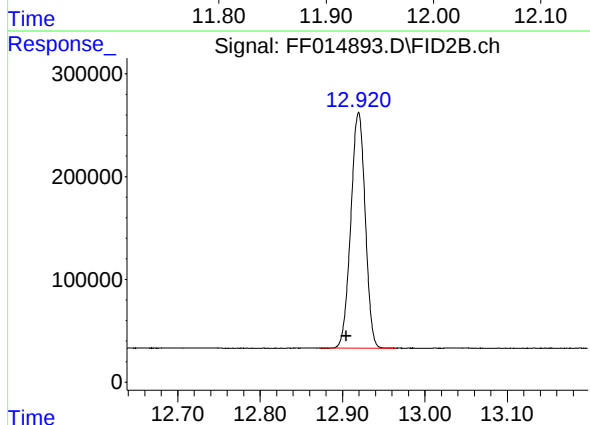
#9 ortho-Terphenyl (SURR)

R.T.: 11.928 min
Delta R.T.: 0.015 min
Response: 3091135
Conc: 20.27 ug/ml

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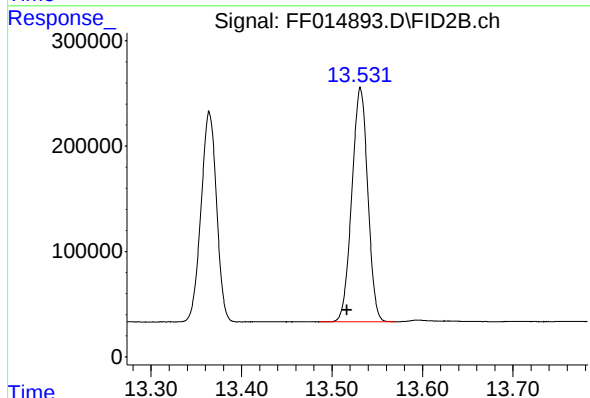
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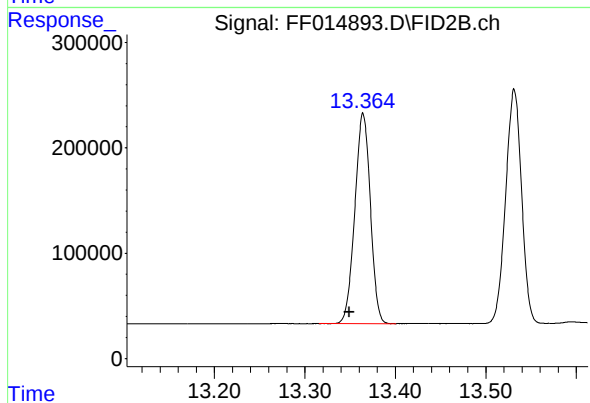
#10 n-Eicosane (C20)

R.T.: 12.920 min
Delta R.T.: 0.015 min
Response: 2786756
Conc: 20.33 ug/ml



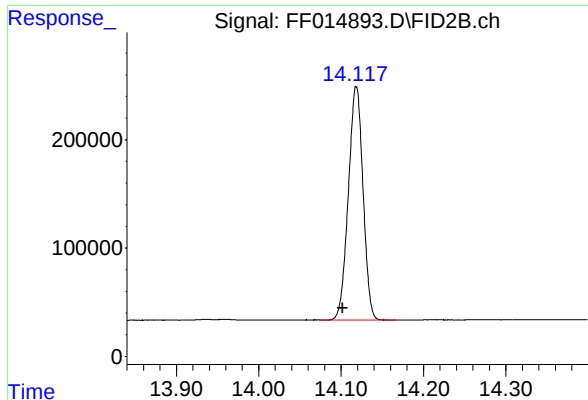
#11 n-Heneicosane (C21)

R.T.: 13.531 min
Delta R.T.: 0.015 min
Response: 2714544
Conc: 19.87 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.364 min
Delta R.T.: 0.015 min
Response: 2378104
Conc: 19.79 ug/ml



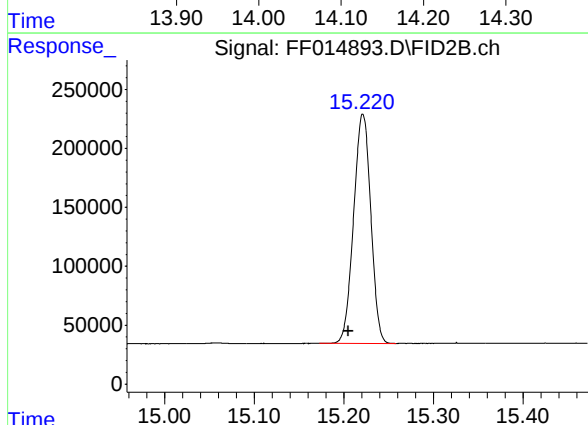
#13 n-Docosane (C22)

R.T.: 14.118 min
Delta R.T.: 0.016 min
Response: 2669177
Conc: 19.43 ug/ml

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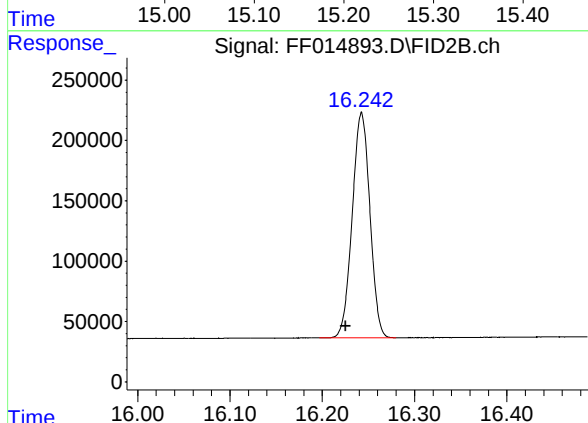
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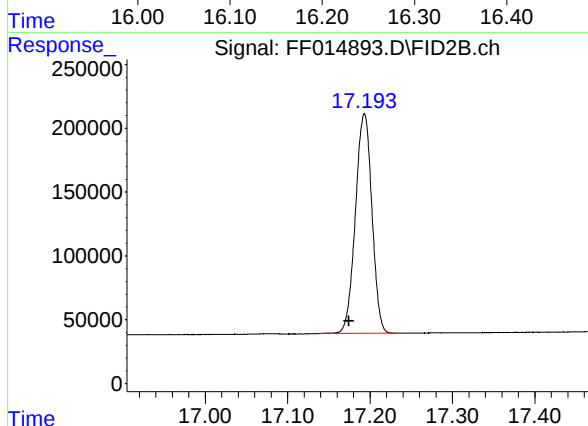
#14 n-Tetracosane (C24)

R.T.: 15.221 min
Delta R.T.: 0.017 min
Response: 2590106
Conc: 18.54 ug/ml



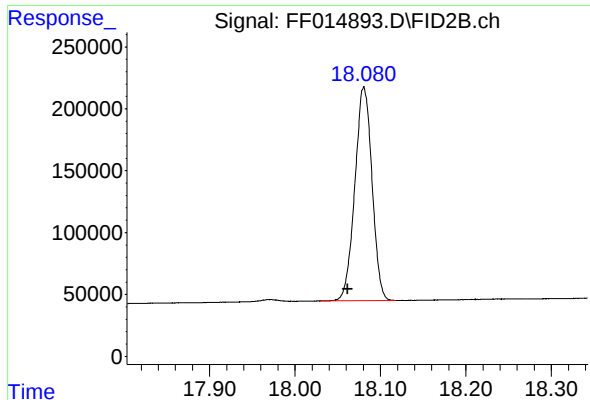
#15 n-Hexacosane (C26)

R.T.: 16.243 min
Delta R.T.: 0.017 min
Response: 2482263
Conc: 17.79 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.193 min
Delta R.T.: 0.019 min
Response: 2396547
Conc: 17.36 ug/ml



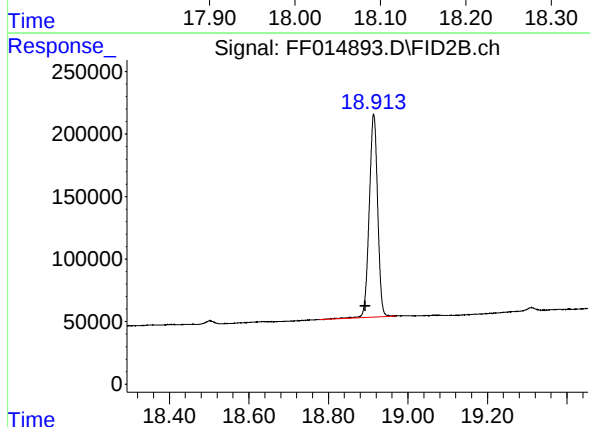
#17 n-Tricontane (C30)

R.T.: 18.080 min
Delta R.T.: 0.019 min
Response: 2412030
Conc: 17.12 ug/ml

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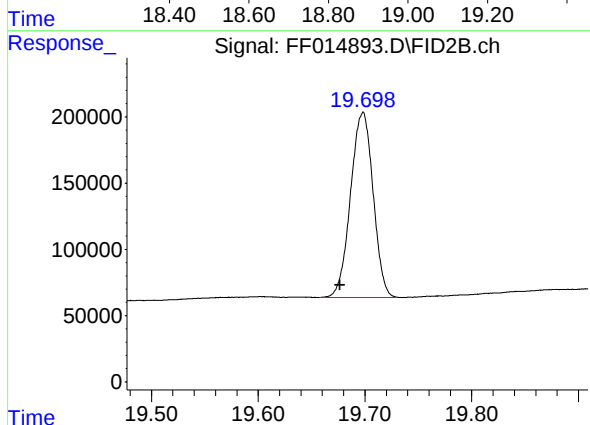
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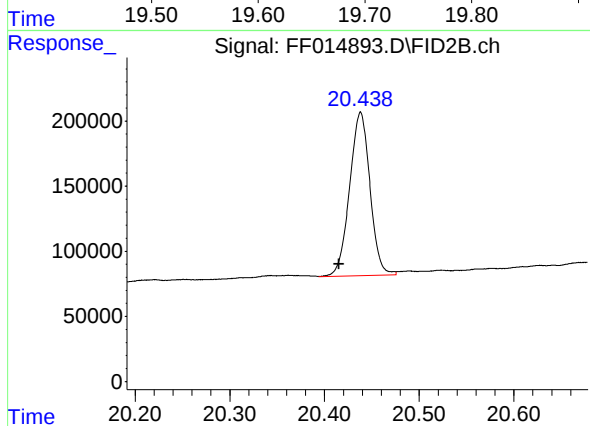
#18 n-Dotriacontane (C32)

R.T.: 18.914 min
Delta R.T.: 0.021 min
Response: 2379451
Conc: 17.15 ug/ml



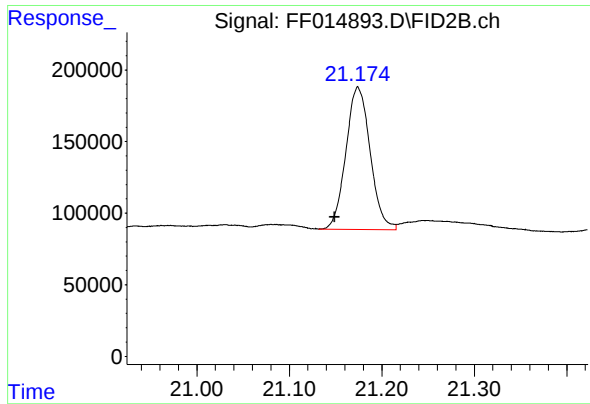
#19 n-Tetratriacontane (C34)

R.T.: 19.698 min
Delta R.T.: 0.022 min
Response: 2052706
Conc: 17.48 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.438 min
Delta R.T.: 0.023 min
Response: 1871152
Conc: 18.57 ug/ml



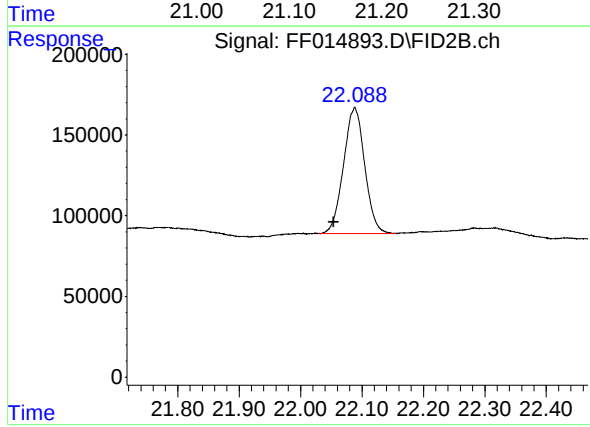
#21 n-Octatriacontane (C38)

R.T.: 21.174 min
Delta R.T.: 0.025 min
Response: 1815708
Conc: 20.18 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.088 min
Delta R.T.: 0.034 min
Response: 1874771
Conc: 20.91 ug/ml m