

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F111723AL\
 Data File : FC065190.D
 Signal(s) : FID1A.ch
 Acq On : 17 Nov 2023 12:36
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/20/2023
 Supervised By :Ankita Jodhani 11/20/2023

Integration File: autoint1.e
 Quant Time: Nov 17 21:33:42 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102823.M
 Quant Title : GC Extractables
 QLast Update : Sat Oct 28 02:12:00 2023
 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)	11.510	4749661	21.581 ug/ml
Spiked Amount 50.000		Recovery =	43.16%
12) S 1-chlorooctadecane (S...	12.941	3446168	21.800 ug/ml
Spiked Amount 50.000		Recovery =	43.60%
Target Compounds			
1) T n-Nonane (C9)	3.310	4179045	22.104 ug/ml
2) T n-Decane (C10)	4.369	4232231	22.258 ug/ml
3) T A~Naphthalene (C11.7)	5.950	4278749	22.161 ug/ml
4) T n-Dodecane (C12)	6.380	4236515	21.931 ug/ml
5) T A~2-methylnaphthalene...	7.004	4211890	22.920 ug/ml
6) T n-Tetradecane (C14)	8.167	4104064	21.750 ug/ml
7) T n-Hexadecane (C16)	9.760	4076110	21.564 ug/ml
8) T n-Octadecane (C18)	11.195	4058705	21.506 ug/ml
10) T n-Eicosane (C20)	12.499	3861112	21.477 ug/ml
11) T n-Heneicosane (C21)	13.108	3783063	21.547 ug/ml
13) T n-Docosane (C22)	13.692	3714886	21.627 ug/ml
14) T n-Tetracosane (C24)	14.789	3600947	21.620 ug/ml
15) T n-Hexacosane (C26)	15.805	3469219	21.614 ug/ml
16) T n-Octacosane (C28)	16.750	3353844	21.430 ug/ml
17) T n-Tricontane (C30)	17.632	3367713	21.262 ug/ml
18) T n-Dotriacontane (C32)	18.461	3331464	21.099 ug/ml
19) T n-Tetratriacontane (C34)	19.242	3243579	21.250 ug/ml
20) T n-Hexatriacontane (C36)	19.979	3202643	21.226 ug/ml
21) T n-Octatriacontane (C38)	20.700	3169781	21.300 ug/ml
22) T n-Tetracontane (C40)	21.575	3144872	21.382 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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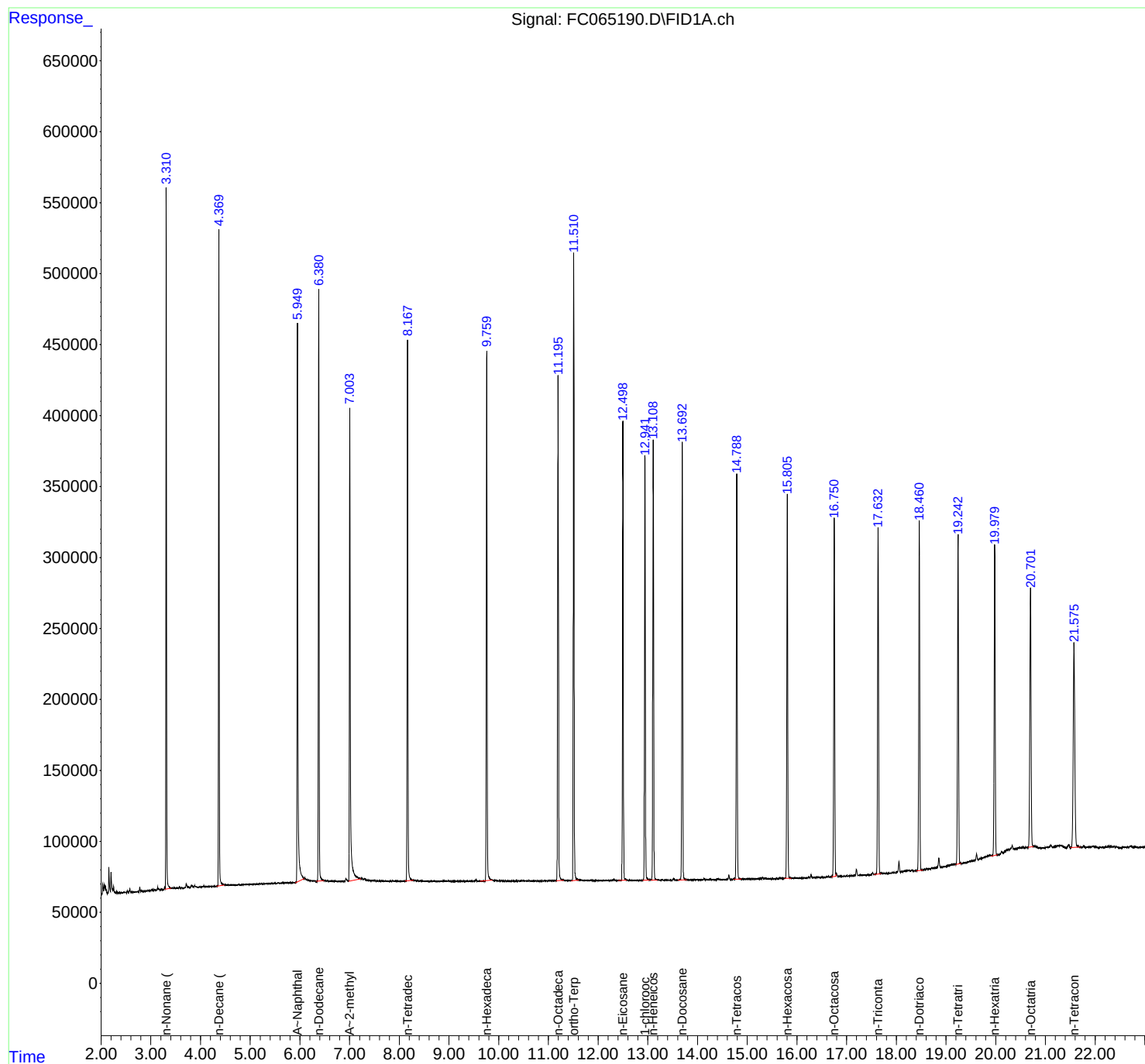
Instrument :
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20 PPM ALIPHATIC HC STD

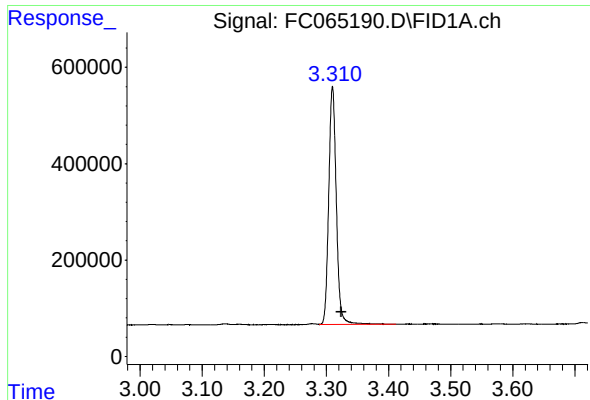
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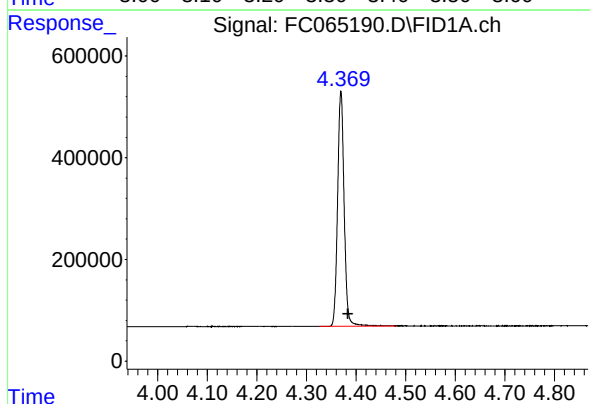
#1 n-Nonane (C9)

R.T.: 3.310 min
Delta R.T.: -0.014 min
Response: 4179045
Conc: 22.10 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

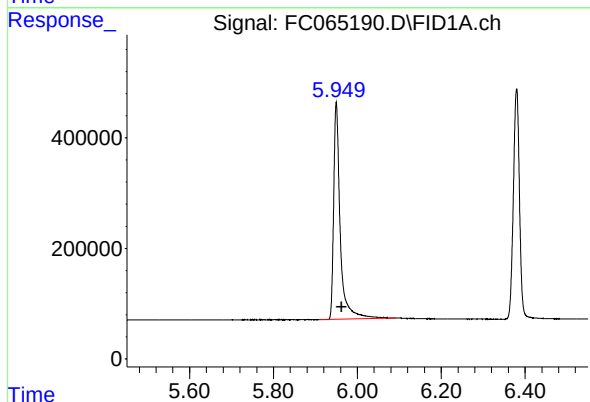
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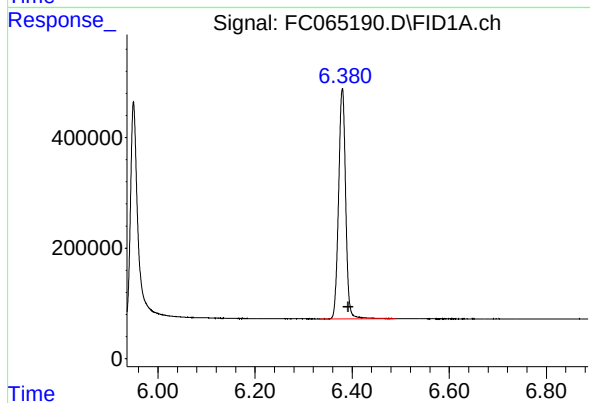
#2 n-Decane (C10)

R.T.: 4.369 min
Delta R.T.: -0.014 min
Response: 4232231
Conc: 22.26 ug/ml



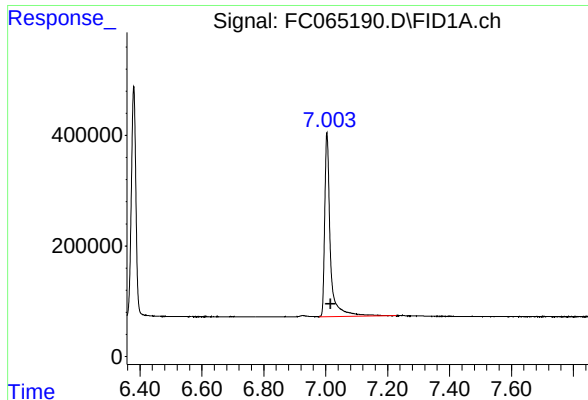
#3 A~Naphthalene (C11.7)

R.T.: 5.950 min
Delta R.T.: -0.013 min
Response: 4278749
Conc: 22.16 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.380 min
Delta R.T.: -0.012 min
Response: 4236515
Conc: 21.93 ug/ml



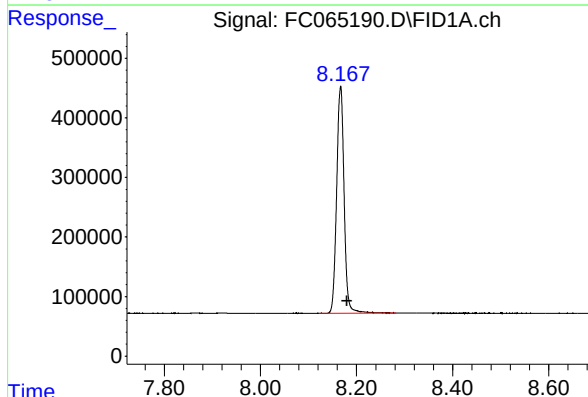
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.004 min
Delta R.T.: -0.012 min
Response: 4211890
Conc: 22.92 ug/ml

Instrument : FID_C
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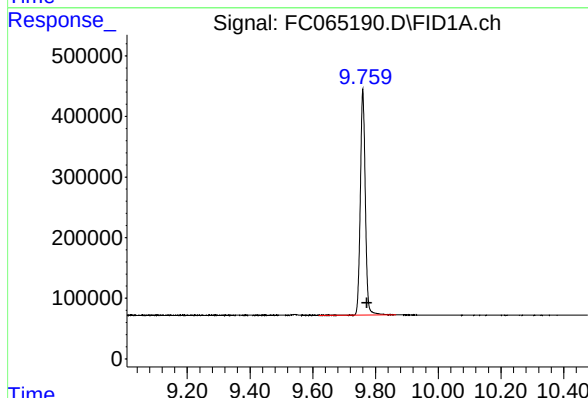
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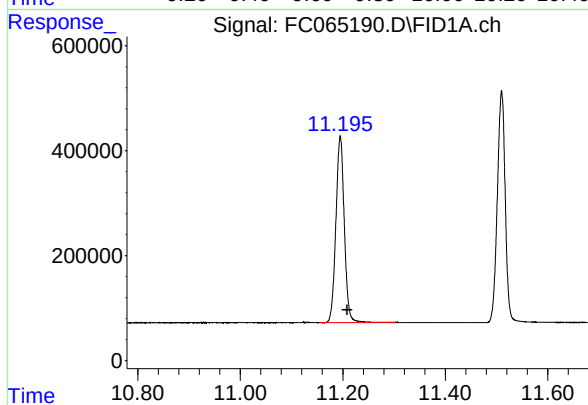
#6 n-Tetradecane (C14)

R.T.: 8.167 min
Delta R.T.: -0.013 min
Response: 4104064
Conc: 21.75 ug/ml



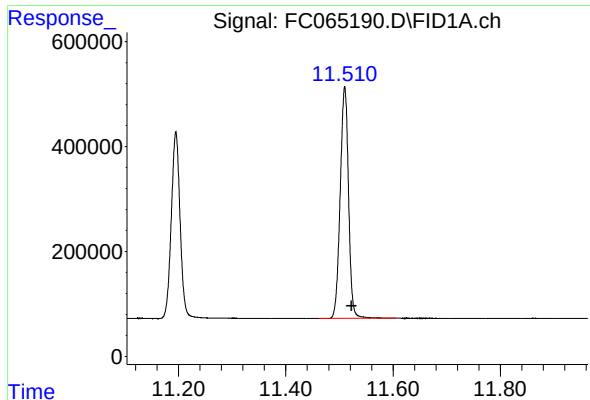
#7 n-Hexadecane (C16)

R.T.: 9.760 min
Delta R.T.: -0.014 min
Response: 4076110
Conc: 21.56 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.195 min
Delta R.T.: -0.013 min
Response: 4058705
Conc: 21.51 ug/ml



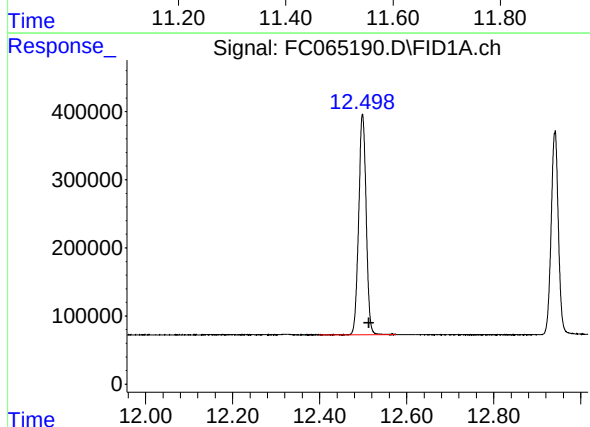
#9 ortho-Terphenyl (SURR)

R.T.: 11.510 min
Delta R.T.: -0.013 min
Response: 4749661
Conc: 21.58 ug/ml

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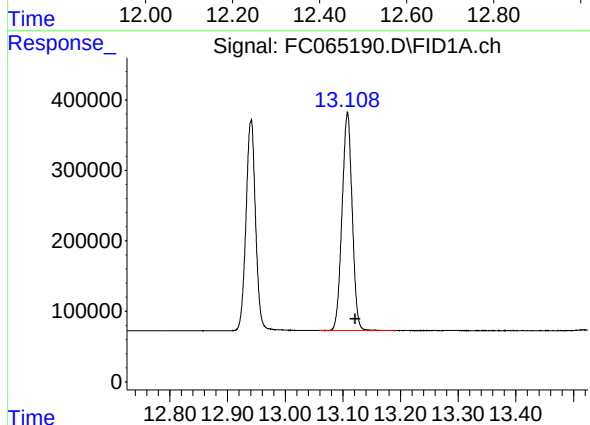
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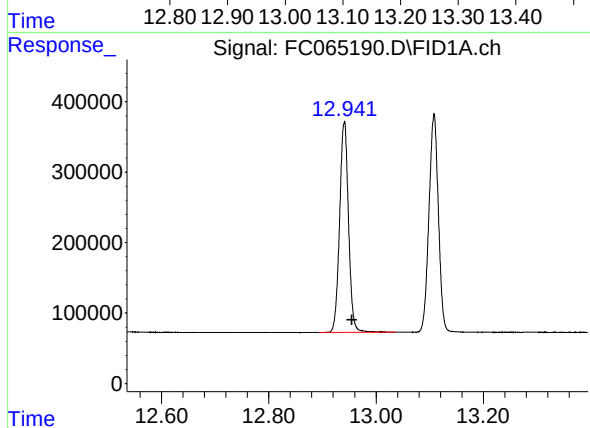
#10 n-Eicosane (C20)

R.T.: 12.499 min
Delta R.T.: -0.015 min
Response: 3861112
Conc: 21.48 ug/ml



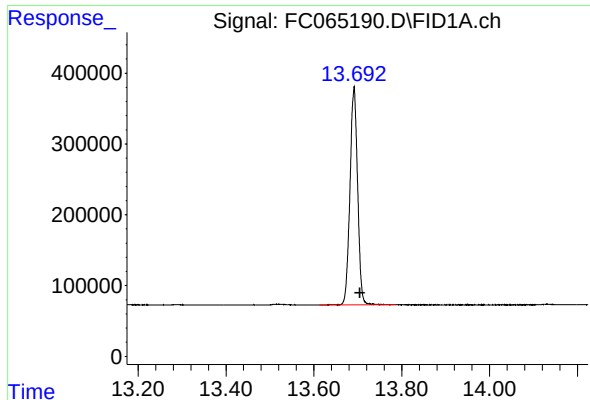
#11 n-Heneicosane (C21)

R.T.: 13.108 min
Delta R.T.: -0.013 min
Response: 3783063
Conc: 21.55 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.941 min
Delta R.T.: -0.014 min
Response: 3446168
Conc: 21.80 ug/ml



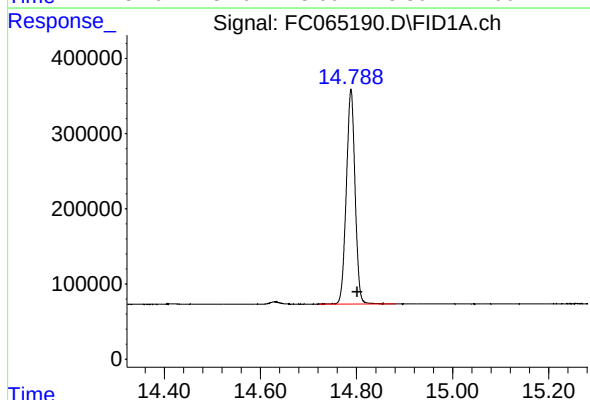
#13 n-Docosane (C22)

R.T.: 13.692 min
Delta R.T.: -0.014 min
Response: 3714886
Conc: 21.63 ug/ml

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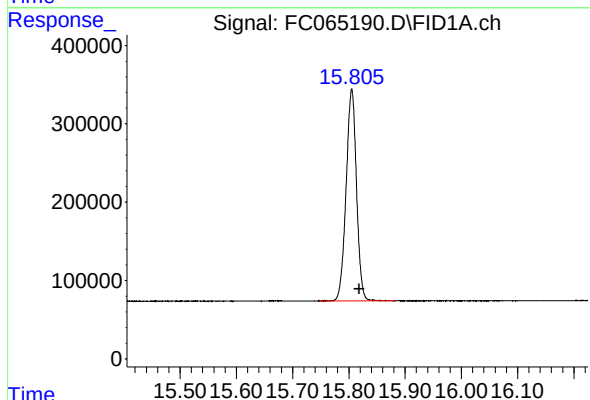
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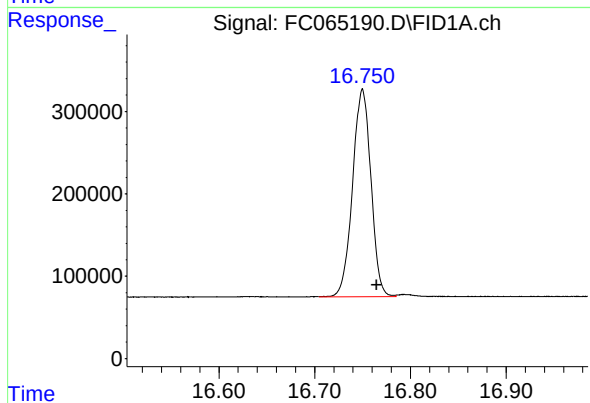
#14 n-Tetracosane (C24)

R.T.: 14.789 min
Delta R.T.: -0.014 min
Response: 3600947
Conc: 21.62 ug/ml



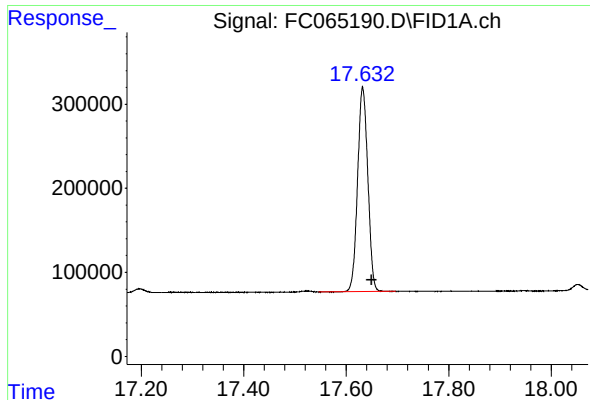
#15 n-Hexacosane (C26)

R.T.: 15.805 min
Delta R.T.: -0.013 min
Response: 3469219
Conc: 21.61 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.750 min
Delta R.T.: -0.015 min
Response: 3353844
Conc: 21.43 ug/ml m



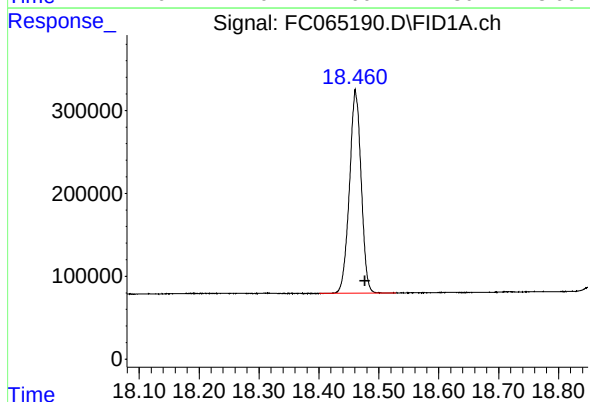
#17 n-Tricontane (C30)

R.T.: 17.632 min
Delta R.T.: -0.017 min
Response: 3367713
Conc: 21.26 ug/ml

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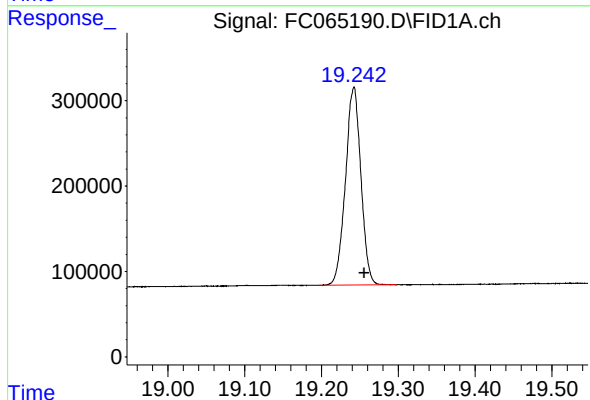
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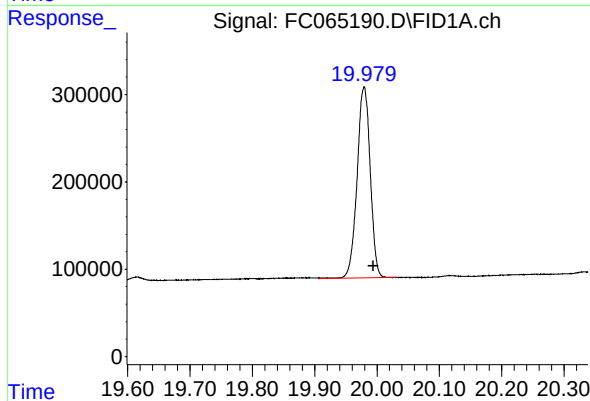
#18 n-Dotriacontane (C32)

R.T.: 18.461 min
Delta R.T.: -0.016 min
Response: 3331464
Conc: 21.10 ug/ml



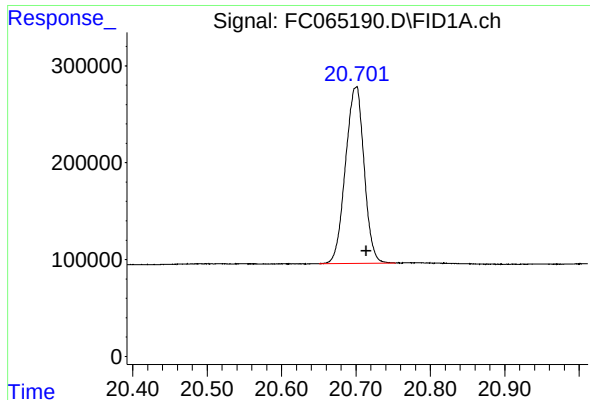
#19 n-Tetratriacontane (C34)

R.T.: 19.242 min
Delta R.T.: -0.013 min
Response: 3243579
Conc: 21.25 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.979 min
Delta R.T.: -0.014 min
Response: 3202643
Conc: 21.23 ug/ml



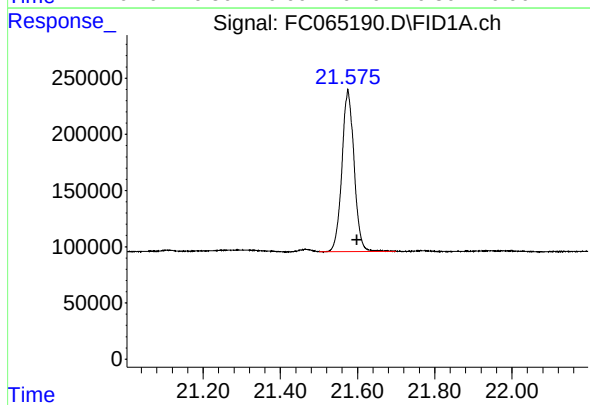
#21 n-Octatriacontane (C38)

R.T.: 20.700 min
Delta R.T.: -0.014 min
Response: 3169781
Conc: 21.30 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.575 min
Delta R.T.: -0.023 min
Response: 3144872
Conc: 21.38 ug/ml