

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022024AL\
 Data File : FC065790.D
 Signal(s) : FID1A.ch
 Acq On : 20 Feb 2024 10:21
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/21/2024
 Supervised By :Ankita Jodhani 02/21/2024

Integration File: autoint1.e
 Quant Time: Feb 21 00:38:03 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 020824.M
 Quant Title : GC Extractables
 QLast Update : Thu Feb 08 13:26:08 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)	11.498	3308292	19.287 ug/ml
Spiked Amount 50.000		Recovery =	38.57%
12) S 1-chlorooctadecane (S...	12.930	2435881	19.356 ug/ml
Spiked Amount 50.000		Recovery =	38.71%
Target Compounds			
1) T n-Nonane (C9)	3.288	2905832	19.342 ug/ml
2) T n-Decane (C10)	4.352	3008109	19.785 ug/ml
3) T A~Naphthalene (C11.7)	5.937	3197300	20.733 ug/ml
4) T n-Dodecane (C12)	6.365	2986451	19.513 ug/ml
5) T A~2-methylnaphthalene...	6.992	3008740	21.129 ug/ml
6) T n-Tetradecane (C14)	8.155	2915316	19.636 ug/ml
7) T n-Hexadecane (C16)	9.749	2976185	19.846 ug/ml
8) T n-Octadecane (C18)	11.185	2994533	19.413 ug/ml
10) T n-Eicosane (C20)	12.487	2872852	19.104 ug/ml
11) T n-Heneicosane (C21)	13.096	2853448	19.079 ug/ml
13) T n-Docosane (C22)	13.680	2856912	19.261 ug/ml
14) T n-Tetracosane (C24)	14.777	2887455	19.420 ug/ml
15) T n-Hexacosane (C26)	15.792	2886288	19.477 ug/ml
16) T n-Octacosane (C28)	16.738	2942608	20.055 ug/ml
17) T n-Tricontane (C30)	17.620	3153890	21.010 ug/ml
18) T n-Dotriacontane (C32)	18.449	3182733	21.522 ug/ml
19) T n-Tetratriacontane (C34)	19.227	3062553	21.130 ug/mlm
20) T n-Hexatriacontane (C36)	19.965	2892332	20.376 ug/mlm
21) T n-Octatriacontane (C38)	20.683	2822916	19.943 ug/mlm
22) T n-Tetracontane (C40)	21.552	2714525	19.461 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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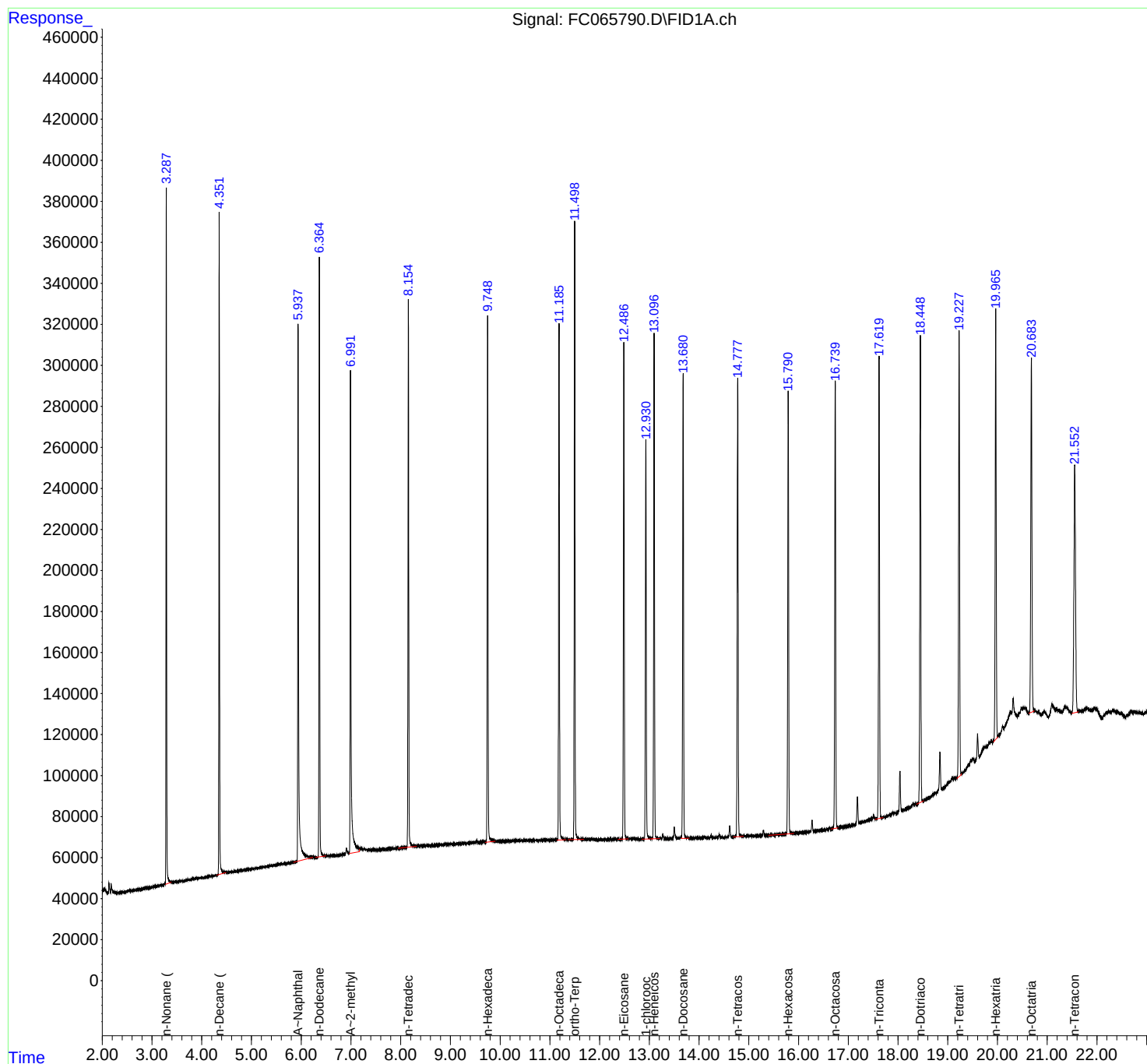
Instrument :
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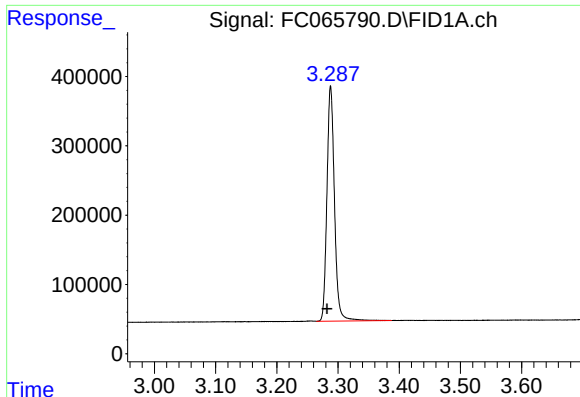
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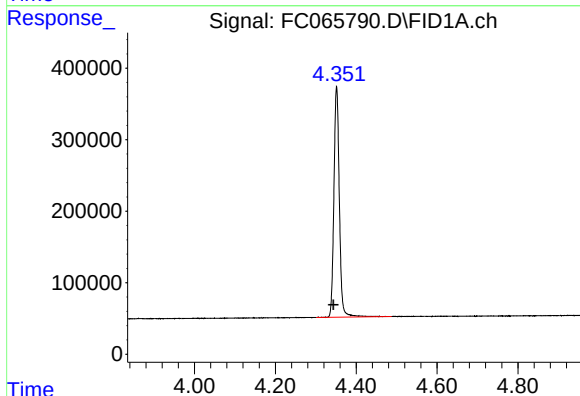
#1 n-Nonane (C9)

R.T.: 3.288 min
Delta R.T.: 0.006 min
Response: 2905832
Conc: 19.34 ug/ml

Instrument :
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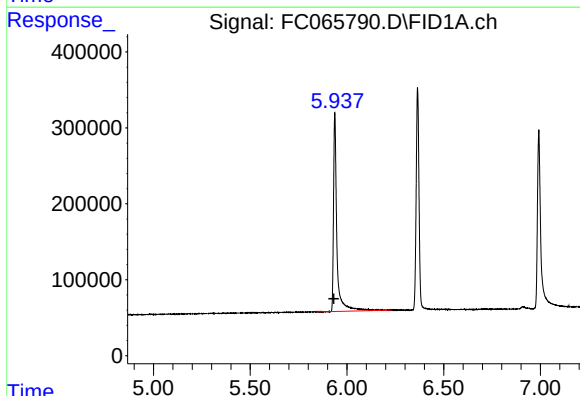
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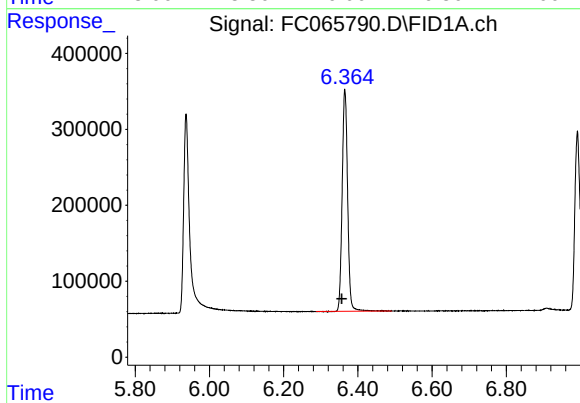
#2 n-Decane (C10)

R.T.: 4.352 min
Delta R.T.: 0.007 min
Response: 3008109
Conc: 19.78 ug/ml



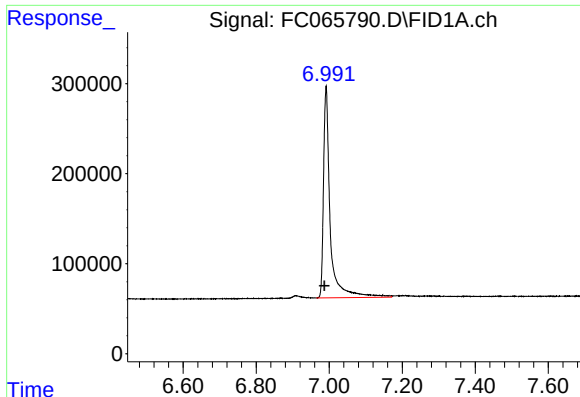
#3 A~Naphthalene (C11.7)

R.T.: 5.937 min
Delta R.T.: 0.006 min
Response: 3197300
Conc: 20.73 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.365 min
Delta R.T.: 0.008 min
Response: 2986451
Conc: 19.51 ug/ml



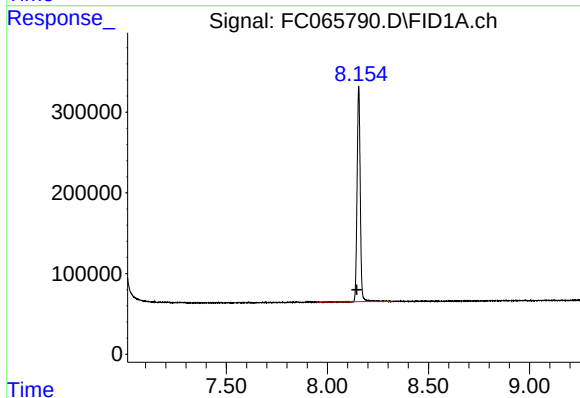
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.992 min
Delta R.T.: 0.005 min
Response: 3008740
Conc: 21.13 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

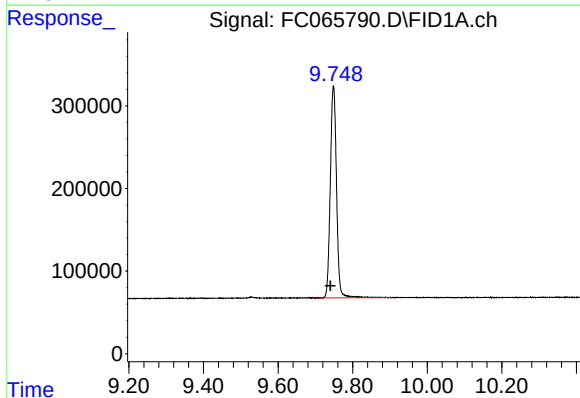
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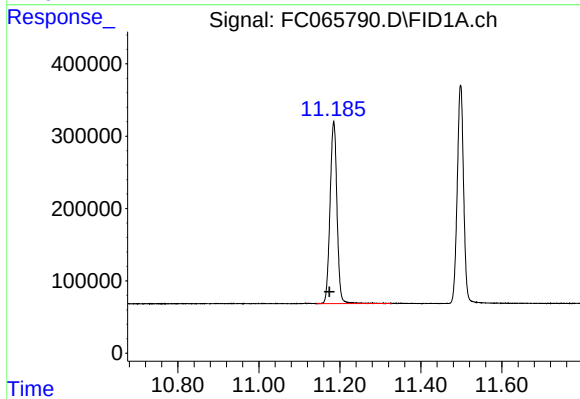
#6 n-Tetradecane (C14)

R.T.: 8.155 min
Delta R.T.: 0.009 min
Response: 2915316
Conc: 19.64 ug/ml



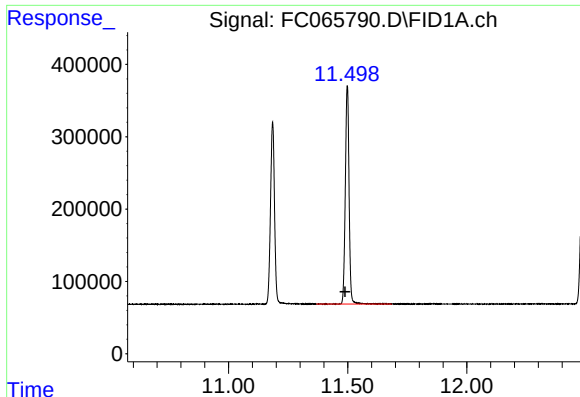
#7 n-Hexadecane (C16)

R.T.: 9.749 min
Delta R.T.: 0.008 min
Response: 2976185
Conc: 19.85 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.185 min
Delta R.T.: 0.010 min
Response: 2994533
Conc: 19.41 ug/ml



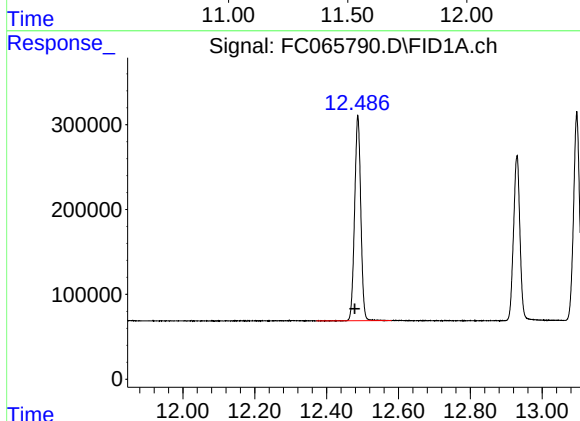
#9 ortho-Terphenyl (SURR)

R.T.: 11.498 min
Delta R.T.: 0.009 min
Response: 3308292
Conc: 19.29 ug/ml

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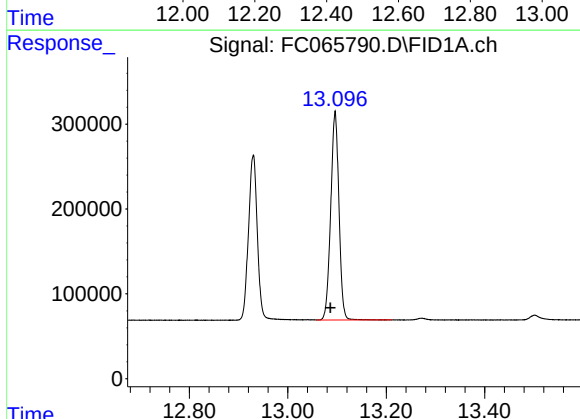
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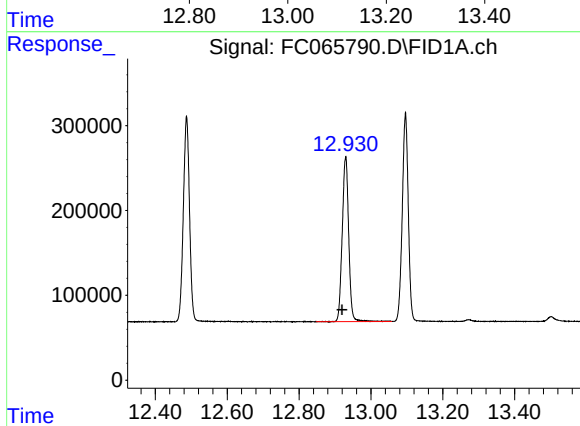
#10 n-Eicosane (C20)

R.T.: 12.487 min
Delta R.T.: 0.009 min
Response: 2872852
Conc: 19.10 ug/ml



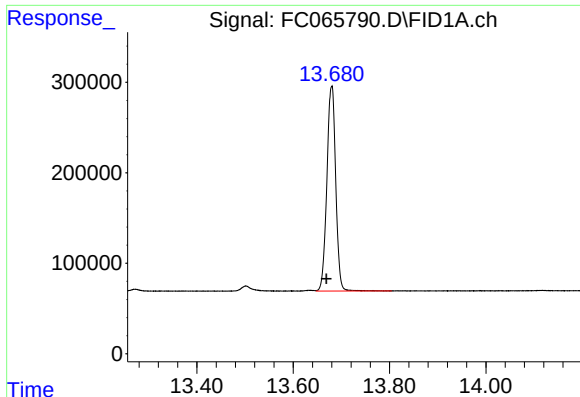
#11 n-Heneicosane (C21)

R.T.: 13.096 min
Delta R.T.: 0.010 min
Response: 2853448
Conc: 19.08 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.930 min
Delta R.T.: 0.009 min
Response: 2435881
Conc: 19.36 ug/ml



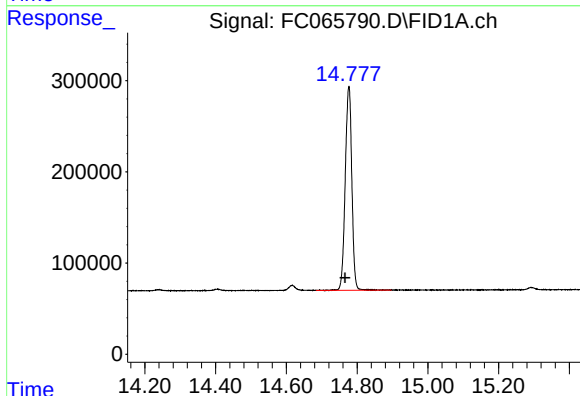
#13 n-Docosane (C22)

R.T.: 13.680 min
Delta R.T.: 0.011 min
Response: 2856912
Conc: 19.26 ug/ml

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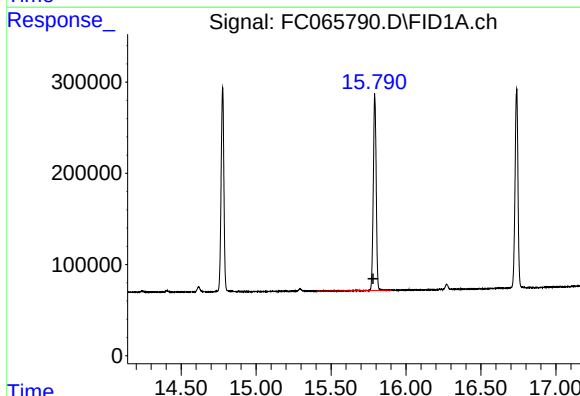
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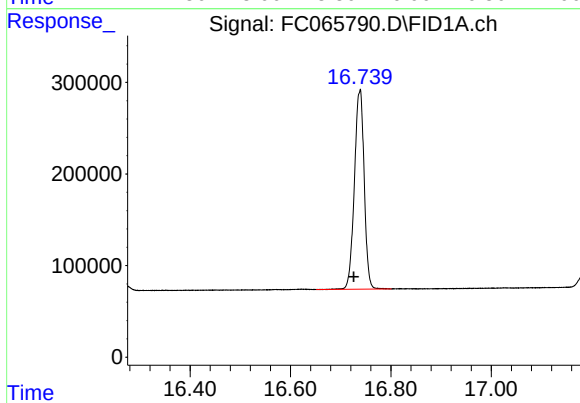
#14 n-Tetracosane (C24)

R.T.: 14.777 min
Delta R.T.: 0.011 min
Response: 2887455
Conc: 19.42 ug/ml



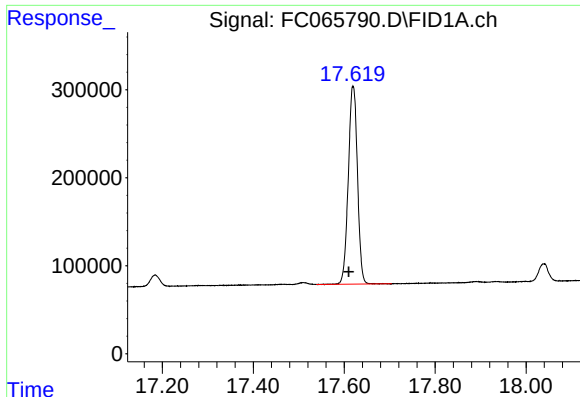
#15 n-Hexacosane (C26)

R.T.: 15.792 min
Delta R.T.: 0.010 min
Response: 2886288
Conc: 19.48 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.738 min
Delta R.T.: 0.012 min
Response: 2942608
Conc: 20.05 ug/ml



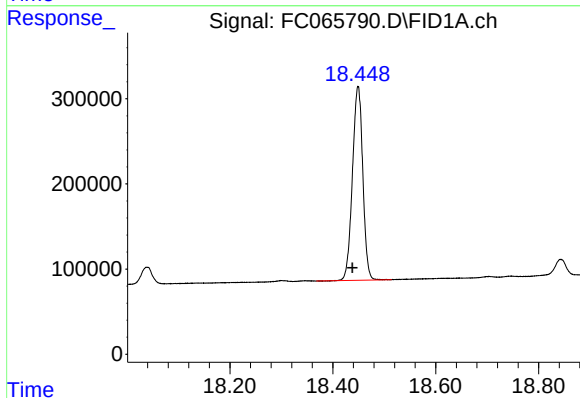
#17 n-Tricontane (C30)

R.T.: 17.620 min
Delta R.T.: 0.010 min
Response: 3153890
Conc: 21.01 ug/ml

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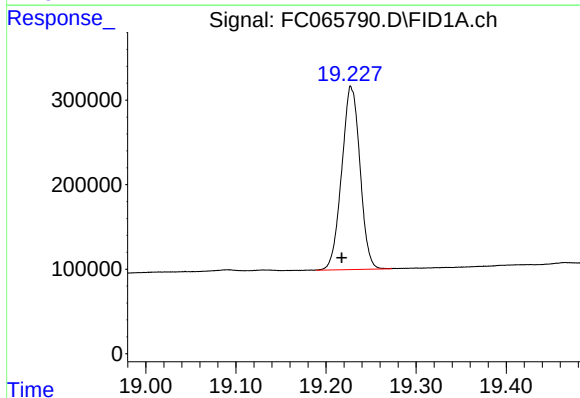
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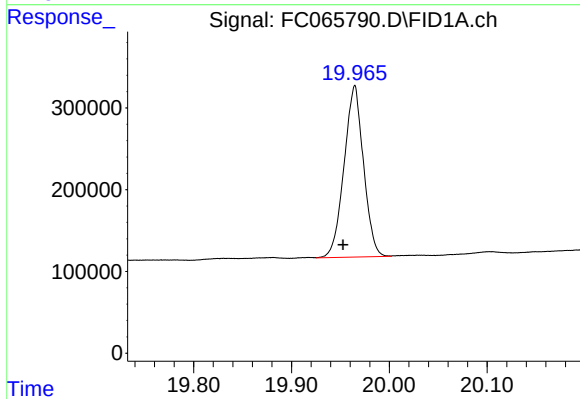
#18 n-Dotriacontane (C32)

R.T.: 18.449 min
Delta R.T.: 0.011 min
Response: 3182733
Conc: 21.52 ug/ml



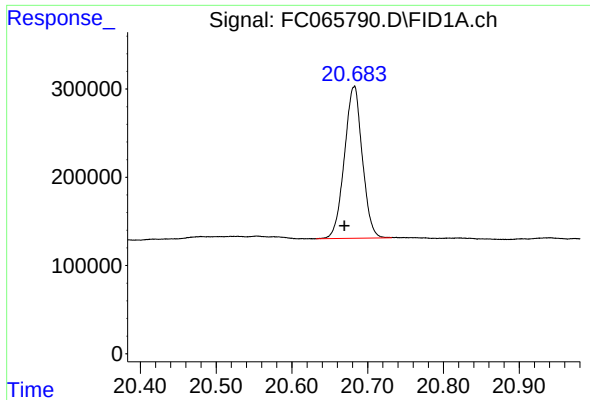
#19 n-Tetratriacontane (C34)

R.T.: 19.227 min
Delta R.T.: 0.009 min
Response: 3062553
Conc: 21.13 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.965 min
Delta R.T.: 0.012 min
Response: 2892332
Conc: 20.38 ug/ml m



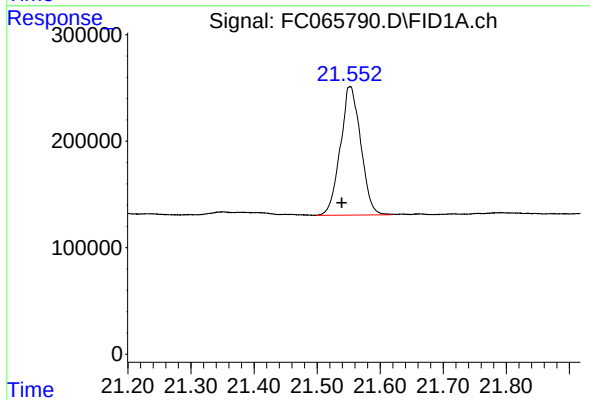
#21 n-Octatriacontane (C38)

R.T.: 20.683 min
Delta R.T.: 0.014 min
Response: 2822916
Conc: 19.94 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.552 min
Delta R.T.: 0.013 min
Response: 2714525
Conc: 19.46 ug/ml m