

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC010224AL\
 Data File : FC065548.D
 Signal(s) : FID1A.ch
 Acq On : 02 Jan 2024 20:05
 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 01/03/2024
 Supervised By :Ankita Jodhani 01/03/2024

Integration File: autoint1.e
 Quant Time: Jan 03 01:33:00 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121823.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 18 12:39:13 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)	11.495	4805512	20.999 ug/ml
Spiked Amount 50.000		Recovery =	42.00%
12) S 1-chlorooctadecane (S...	12.927	3398072	20.789 ug/ml
Spiked Amount 50.000		Recovery =	41.58%
Target Compounds			
1) T n-Nonane (C9)	3.291	4109504	20.667 ug/ml
2) T n-Decane (C10)	4.352	4206847	20.984 ug/ml
3) T A~Naphthalene (C11.7)	5.934	4334693	21.568 ug/ml
4) T n-Dodecane (C12)	6.363	4268703	20.881 ug/ml
5) T A~2-methylnaphthalene...	6.989	4085395	20.925 ug/ml
6) T n-Tetradecane (C14)	8.152	4160511	20.768 ug/ml
7) T n-Hexadecane (C16)	9.747	4165993	20.812 ug/ml
8) T n-Octadecane (C18)	11.181	4104903	20.859 ug/ml
10) T n-Eicosane (C20)	12.484	3917425	20.896 ug/ml
11) T n-Heneicosane (C21)	13.094	3820321	20.946 ug/ml
13) T n-Docosane (C22)	13.677	3759754	20.838 ug/ml
14) T n-Tetracosane (C24)	14.774	3645486	20.235 ug/ml
15) T n-Hexacosane (C26)	15.790	3510554	20.266 ug/ml
16) T n-Octacosane (C28)	16.736	3443303	20.078 ug/ml
17) T n-Tricontane (C30)	17.620	3546540	20.250 ug/ml
18) T n-Dotriacontane (C32)	18.449	3528723	20.230 ug/ml
19) T n-Tetratriacontane (C34)	19.228	3411528	20.618 ug/ml
20) T n-Hexatriacontane (C36)	19.965	3292938	20.395 ug/mlm
21) T n-Octatriacontane (C38)	20.683	3151925	19.874 ug/ml
22) T n-Tetracontane (C40)	21.557	2977230	18.692 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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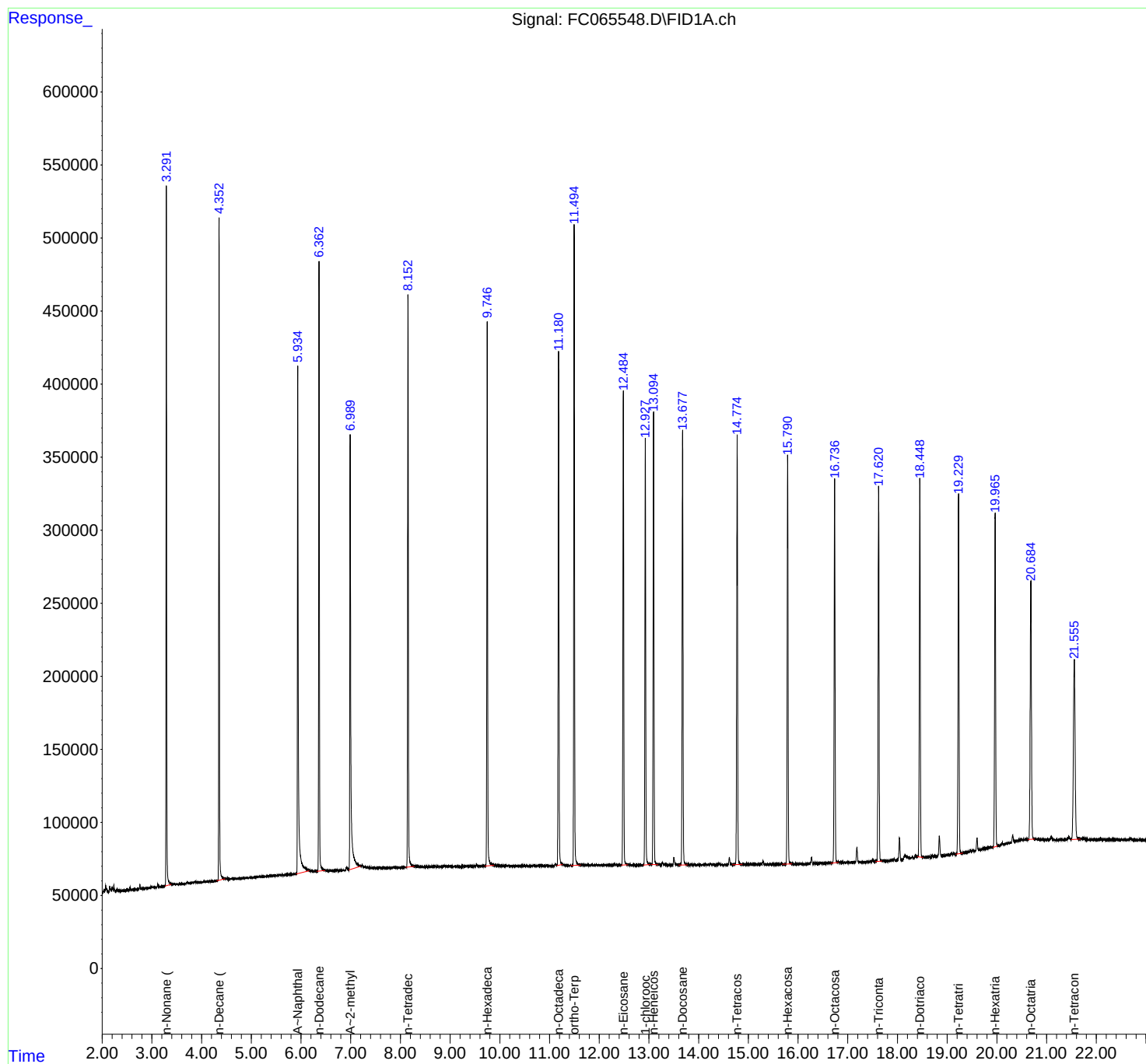
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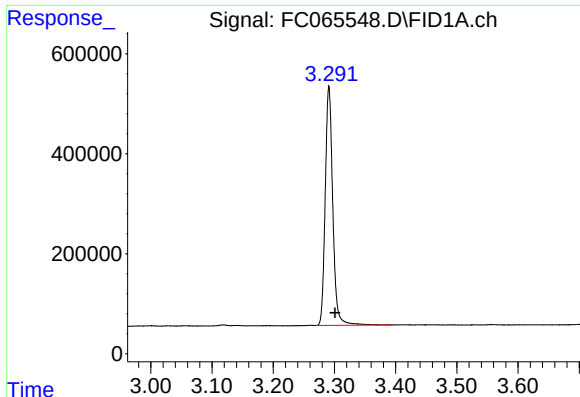
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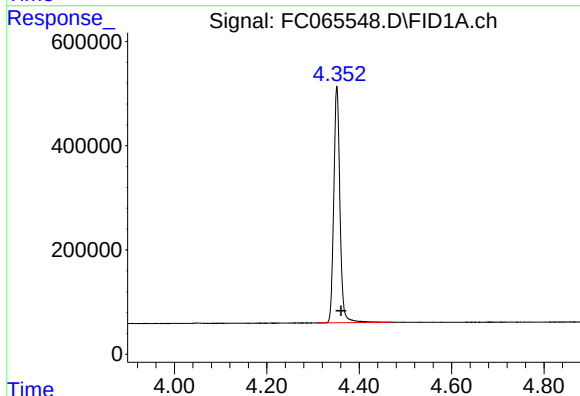
#1 n-Nonane (C9)

R.T.: 3.291 min
Delta R.T.: -0.010 min
Response: 4109504
Conc: 20.67 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

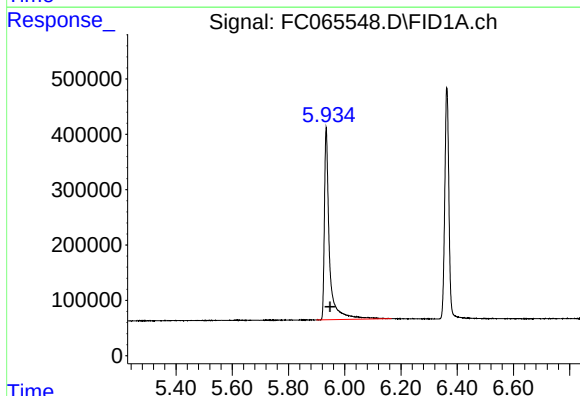
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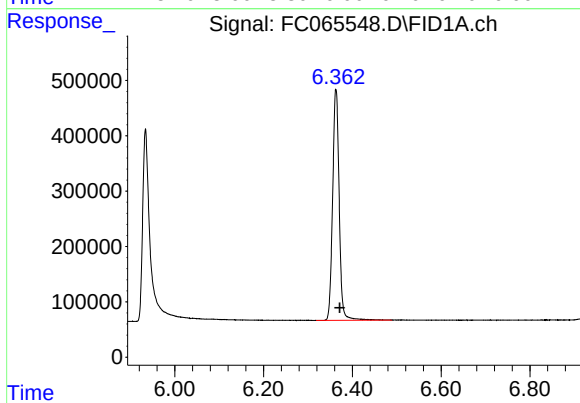
#2 n-Decane (C10)

R.T.: 4.352 min
Delta R.T.: -0.009 min
Response: 4206847
Conc: 20.98 ug/ml



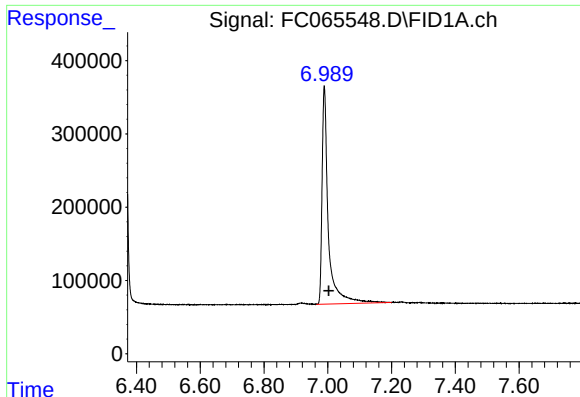
#3 A~Naphthalene (C11.7)

R.T.: 5.934 min
Delta R.T.: -0.014 min
Response: 4334693
Conc: 21.57 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.363 min
Delta R.T.: -0.008 min
Response: 4268703
Conc: 20.88 ug/ml



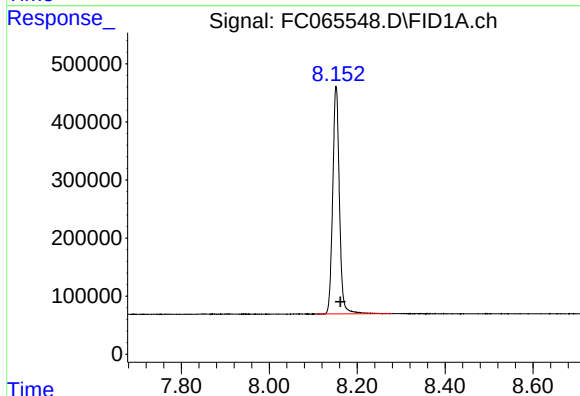
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.989 min
Delta R.T.: -0.014 min
Response: 4085395
Conc: 20.93 ug/ml

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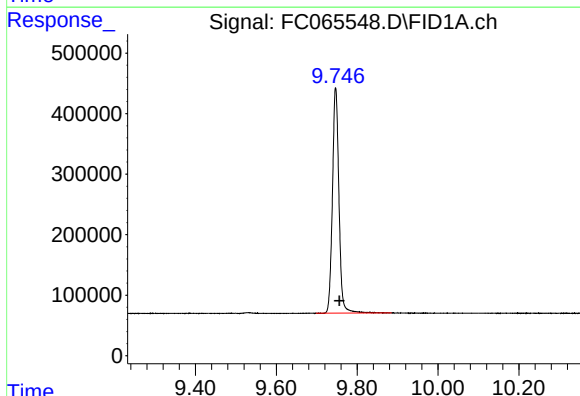
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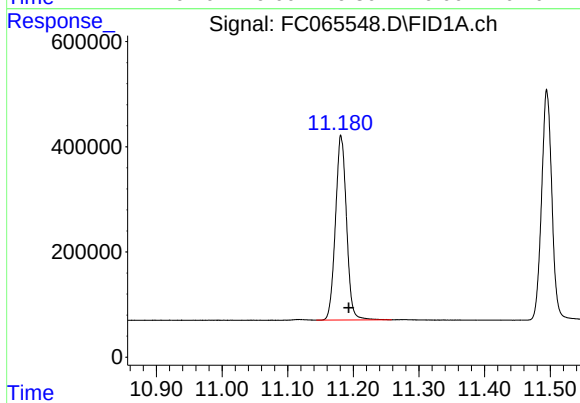
#6 n-Tetradecane (C14)

R.T.: 8.152 min
Delta R.T.: -0.010 min
Response: 4160511
Conc: 20.77 ug/ml



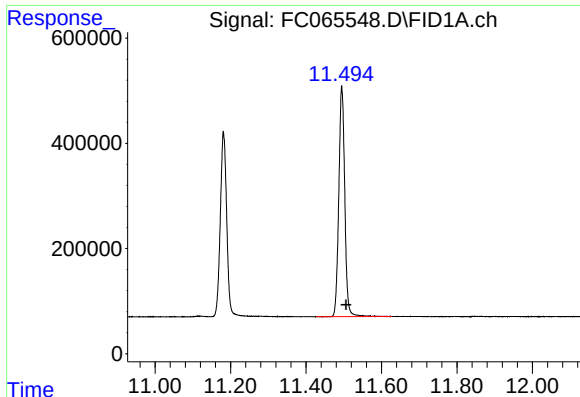
#7 n-Hexadecane (C16)

R.T.: 9.747 min
Delta R.T.: -0.009 min
Response: 4165993
Conc: 20.81 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.181 min
Delta R.T.: -0.011 min
Response: 4104903
Conc: 20.86 ug/ml



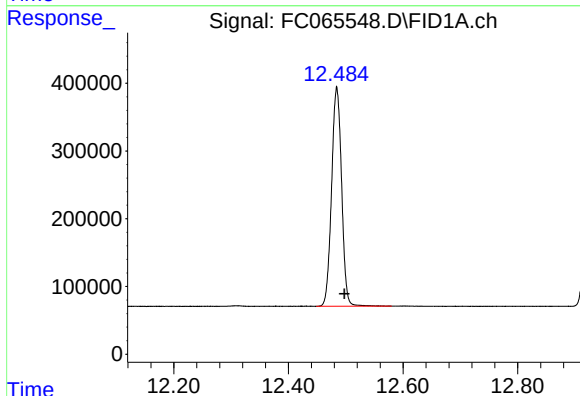
#9 ortho-Terphenyl (SURR)

R.T.: 11.495 min
Delta R.T.: -0.011 min
Response: 4805512
Conc: 21.00 ug/ml

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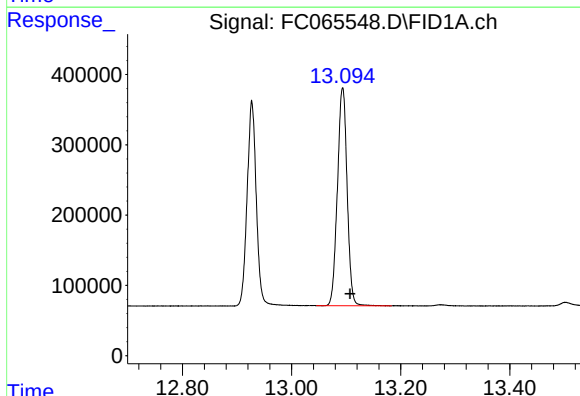
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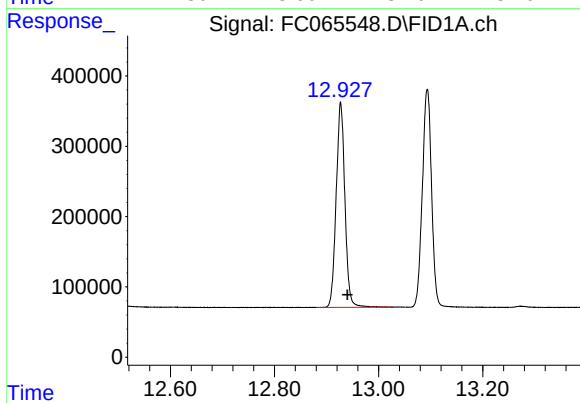
#10 n-Eicosane (C20)

R.T.: 12.484 min
Delta R.T.: -0.013 min
Response: 3917425
Conc: 20.90 ug/ml



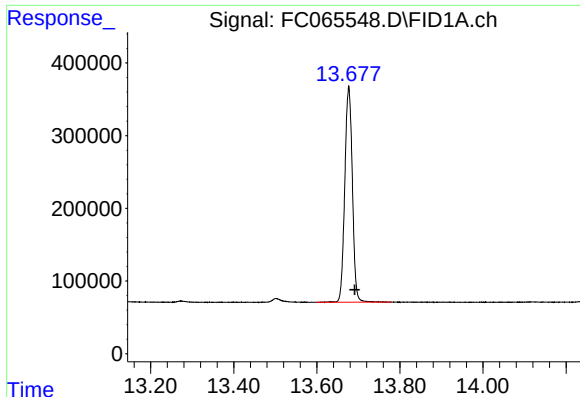
#11 n-Heneicosane (C21)

R.T.: 13.094 min
Delta R.T.: -0.013 min
Response: 3820321
Conc: 20.95 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.927 min
Delta R.T.: -0.013 min
Response: 3398072
Conc: 20.79 ug/ml



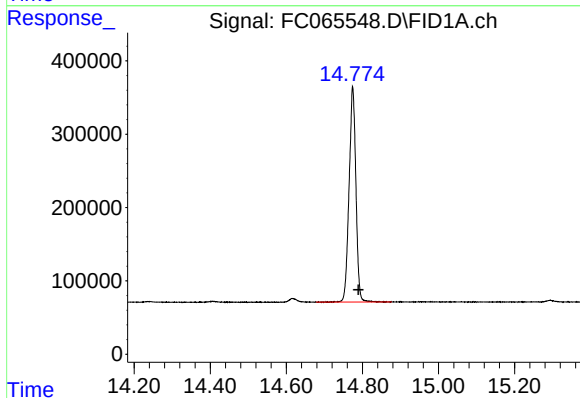
#13 n-Docosane (C22)

R.T.: 13.677 min
Delta R.T.: -0.014 min
Response: 3759754
Conc: 20.84 ug/ml

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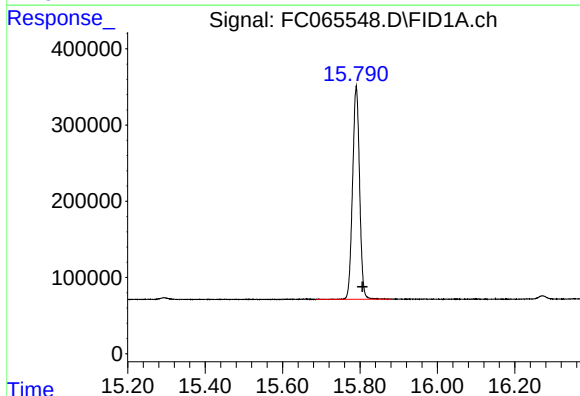
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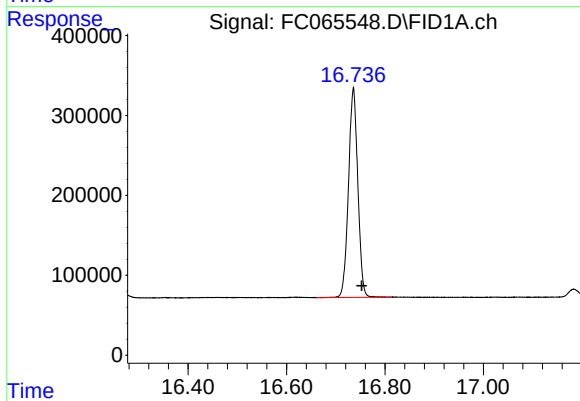
#14 n-Tetracosane (C24)

R.T.: 14.774 min
Delta R.T.: -0.015 min
Response: 3645486
Conc: 20.24 ug/ml



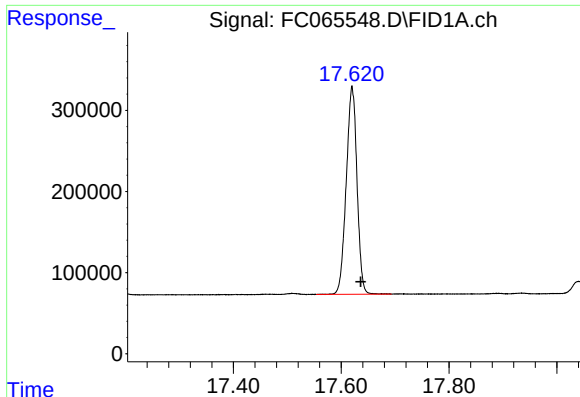
#15 n-Hexacosane (C26)

R.T.: 15.790 min
Delta R.T.: -0.016 min
Response: 3510554
Conc: 20.27 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.736 min
Delta R.T.: -0.017 min
Response: 3443303
Conc: 20.08 ug/ml



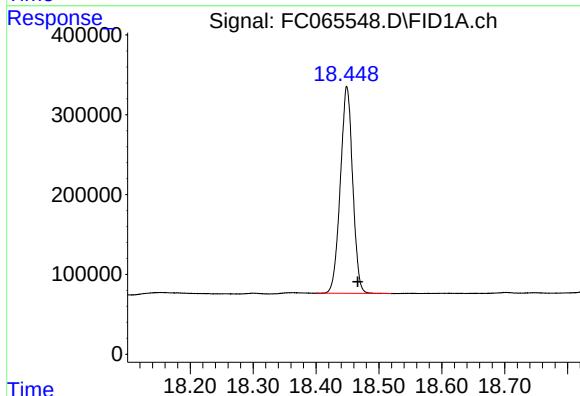
#17 n-Tricontane (C30)

R.T.: 17.620 min
Delta R.T.: -0.016 min
Response: 3546540
Conc: 20.25 ug/ml

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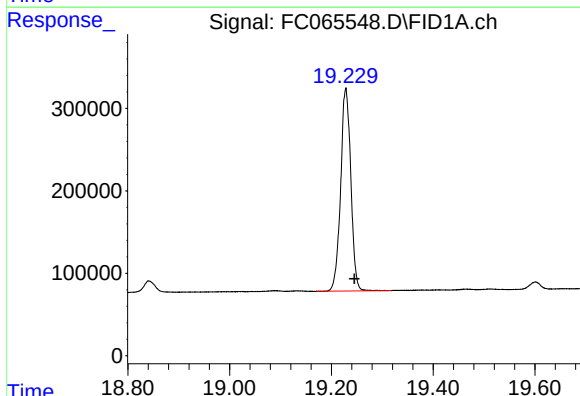
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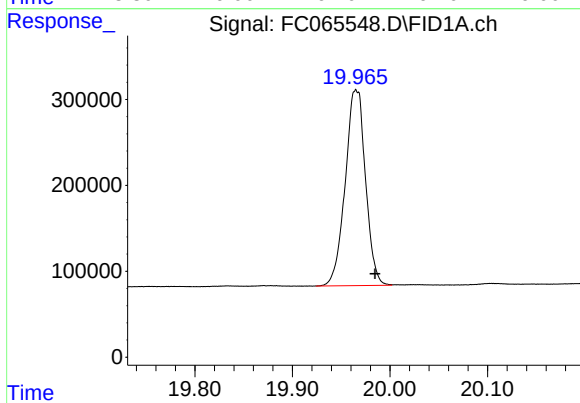
#18 n-Dotriacontane (C32)

R.T.: 18.449 min
Delta R.T.: -0.017 min
Response: 3528723
Conc: 20.23 ug/ml



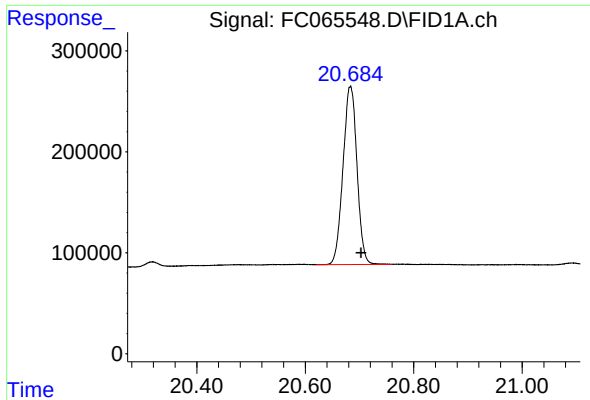
#19 n-Tetratriacontane (C34)

R.T.: 19.228 min
Delta R.T.: -0.017 min
Response: 3411528
Conc: 20.62 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.965 min
Delta R.T.: -0.020 min
Response: 3292938
Conc: 20.40 ug/ml m



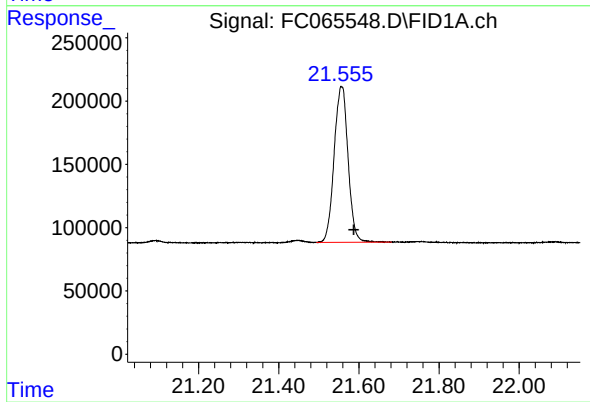
#21 n-Octatriacontane (C38)

R.T.: 20.683 min
Delta R.T.: -0.020 min
Response: 3151925
Conc: 19.87 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.557 min
Delta R.T.: -0.031 min
Response: 2977230
Conc: 18.69 ug/ml