

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F111323AL\
 Data File : FC065117.D
 Signal(s) : FID1A.ch
 Acq On : 13 Nov 2023 09:21
 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 11/14/2023
 Supervised By :Ankita Jodhani 11/14/2023

Integration File: autoint1.e
 Quant Time: Nov 13 23:16:57 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)	11.508	4933405	22.416 ug/ml
Spiked Amount 50.000		Recovery =	44.83%
12) S 1-chlorooctadecane (S...	12.939	3495835	22.114 ug/ml
Spiked Amount 50.000		Recovery =	44.23%
Target Compounds			
1) T n-Nonane (C9)	3.309	4277430	22.624 ug/ml
2) T n-Decane (C10)	4.368	4374568	23.007 ug/ml
3) T A~Naphthalene (C11.7)	5.949	4408975	22.836 ug/ml
4) T n-Dodecane (C12)	6.378	4401264	22.784 ug/ml
5) T A~2-methylnaphthalene...	7.002	4223857	22.985 ug/ml
6) T n-Tetradecane (C14)	8.166	4286793	22.719 ug/ml
7) T n-Hexadecane (C16)	9.759	4286425	22.677 ug/ml
8) T n-Octadecane (C18)	11.194	4253097	22.536 ug/ml
10) T n-Eicosane (C20)	12.498	4024477	22.385 ug/ml
11) T n-Heneicosane (C21)	13.107	3924864	22.355 ug/ml
13) T n-Docosane (C22)	13.689	3855399	22.445 ug/ml
14) T n-Tetracosane (C24)	14.788	3716808	22.316 ug/ml
15) T n-Hexacosane (C26)	15.803	3589524	22.363 ug/ml
16) T n-Octacosane (C28)	16.748	3540390	22.622 ug/ml
17) T n-Tricontane (C30)	17.631	3660106	23.108 ug/ml
18) T n-Dotriacontane (C32)	18.459	3669728	23.242 ug/ml
19) T n-Tetratriacontane (C34)	19.240	3512437	23.011 ug/ml
20) T n-Hexatriacontane (C36)	19.975	3400144	22.535 ug/mlm
21) T n-Octatriacontane (C38)	20.694	3274990	22.007 ug/ml
22) T n-Tetracontane (C40)	21.570	3184371	21.651 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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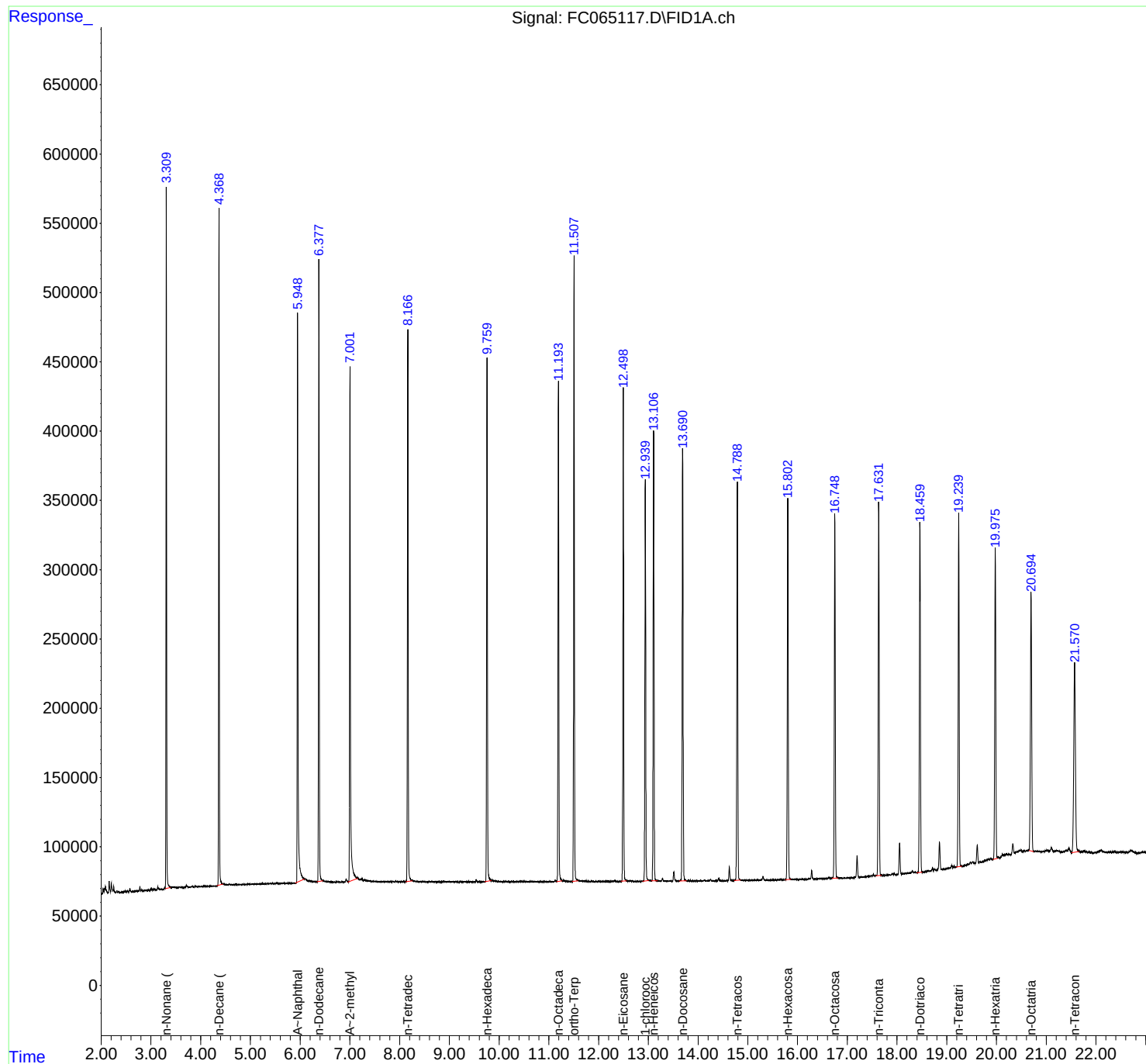
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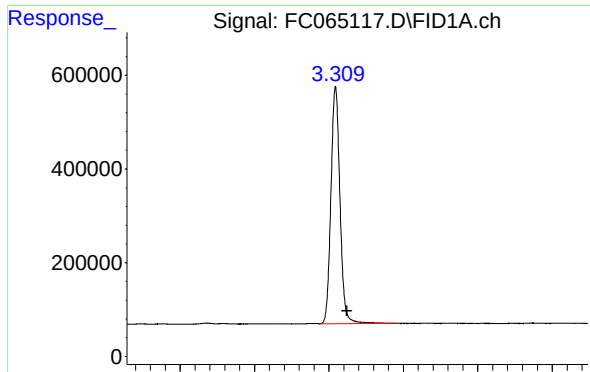
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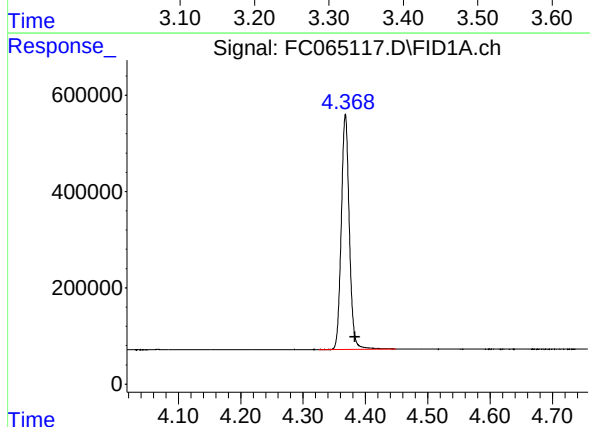
#1 n-Nonane (C9)

R.T.: 3.309 min
Delta R.T.: -0.015 min
Response: 4277430
Conc: 22.62 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

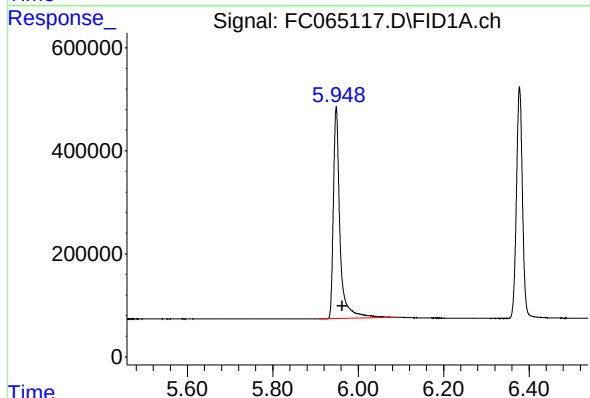
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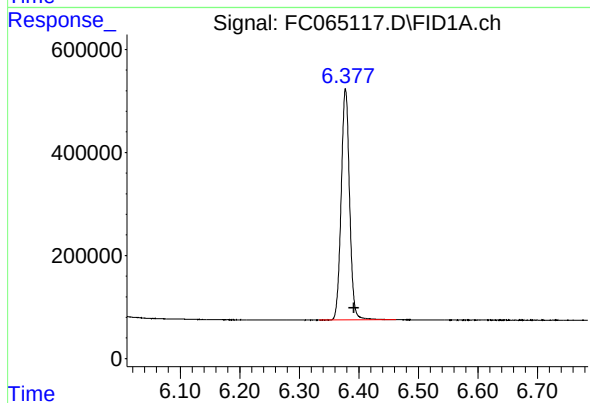
#2 n-Decane (C10)

R.T.: 4.368 min
Delta R.T.: -0.015 min
Response: 4374568
Conc: 23.01 ug/ml



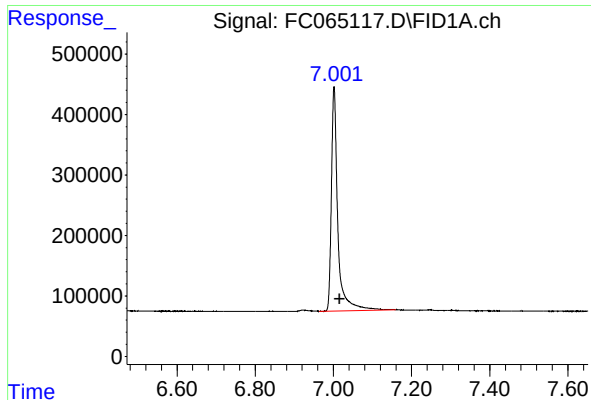
#3 A~Naphthalene (C11.7)

R.T.: 5.949 min
Delta R.T.: -0.014 min
Response: 4408975
Conc: 22.84 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.378 min
Delta R.T.: -0.014 min
Response: 4401264
Conc: 22.78 ug/ml



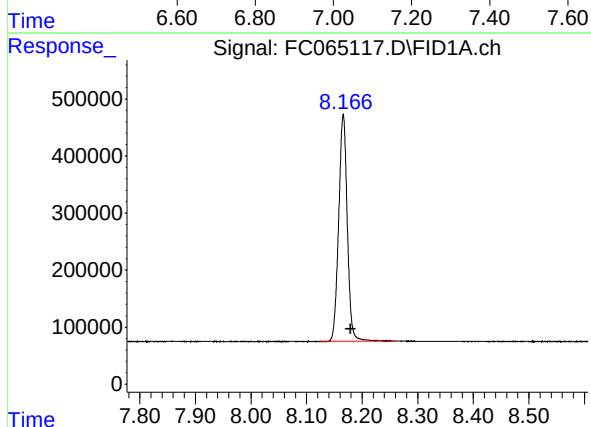
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.002 min
Delta R.T.: -0.014 min
Response: 4223857
Conc: 22.99 ug/ml

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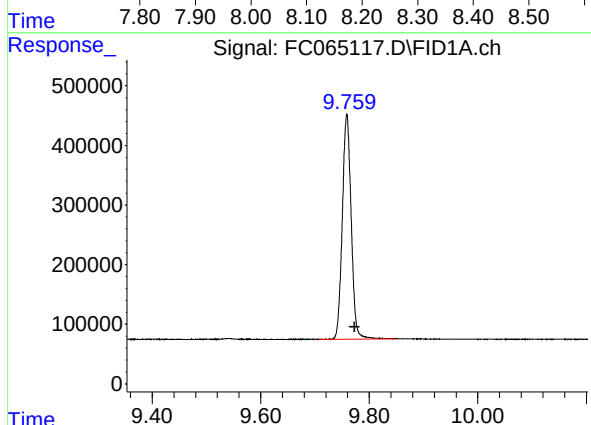
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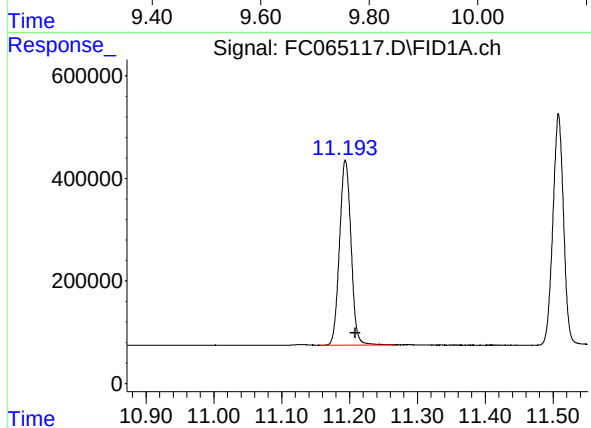
#6 n-Tetradecane (C14)

R.T.: 8.166 min
Delta R.T.: -0.014 min
Response: 4286793
Conc: 22.72 ug/ml



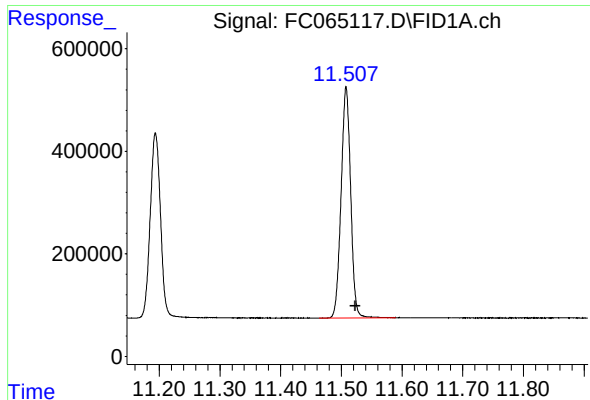
#7 n-Hexadecane (C16)

R.T.: 9.759 min
Delta R.T.: -0.014 min
Response: 4286425
Conc: 22.68 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.194 min
Delta R.T.: -0.015 min
Response: 4253097
Conc: 22.54 ug/ml



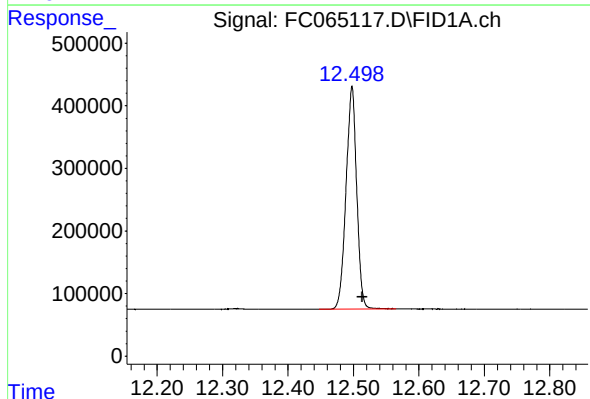
#9 ortho-Terphenyl (SURR)

R.T.: 11.508 min
Delta R.T.: -0.015 min
Response: 4933405
Conc: 22.42 ug/ml

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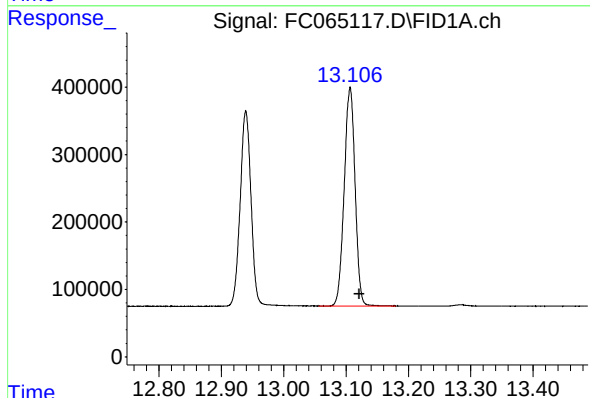
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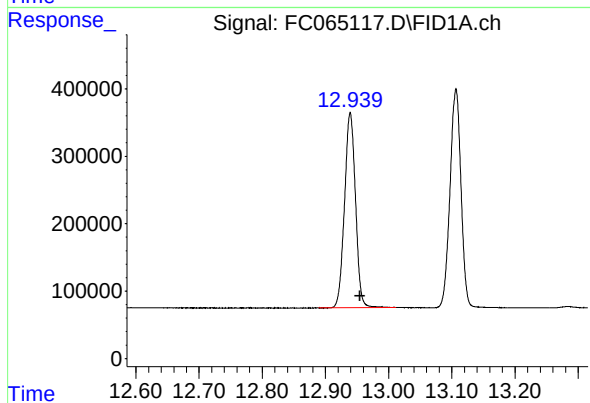
#10 n-Eicosane (C20)

R.T.: 12.498 min
Delta R.T.: -0.016 min
Response: 4024477
Conc: 22.39 ug/ml



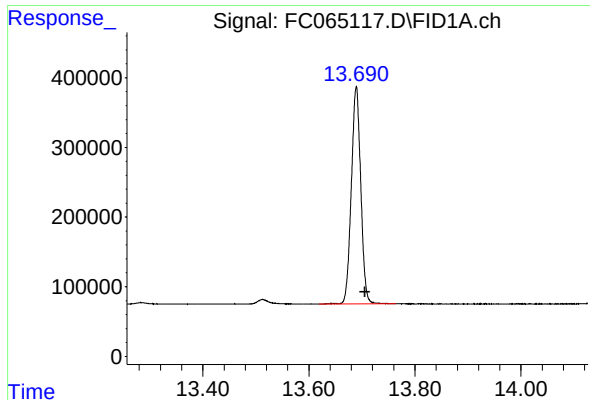
#11 n-Heneicosane (C21)

R.T.: 13.107 min
Delta R.T.: -0.015 min
Response: 3924864
Conc: 22.36 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.939 min
Delta R.T.: -0.016 min
Response: 3495835
Conc: 22.11 ug/ml



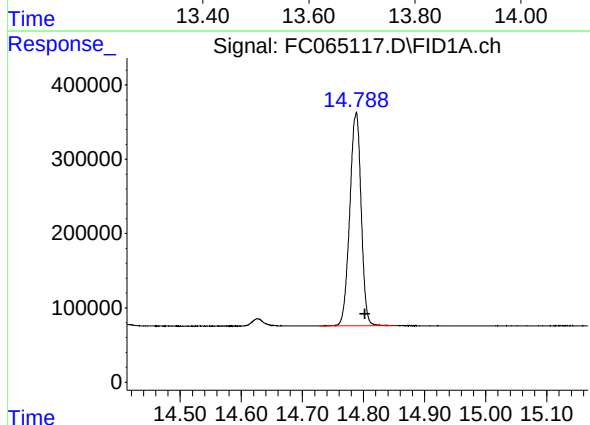
#13 n-Docosane (C22)

R.T.: 13.689 min
Delta R.T.: -0.016 min
Response: 3855399
Conc: 22.44 ug/ml

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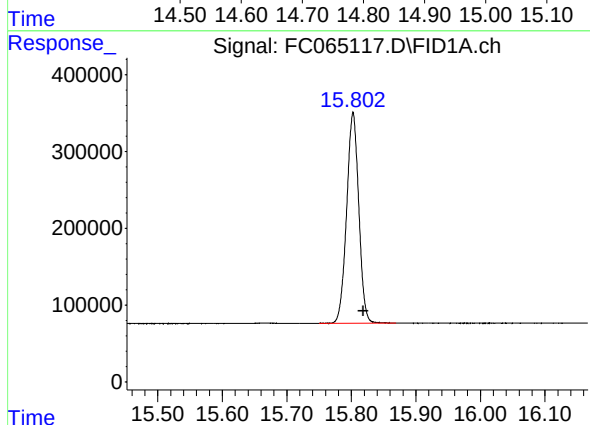
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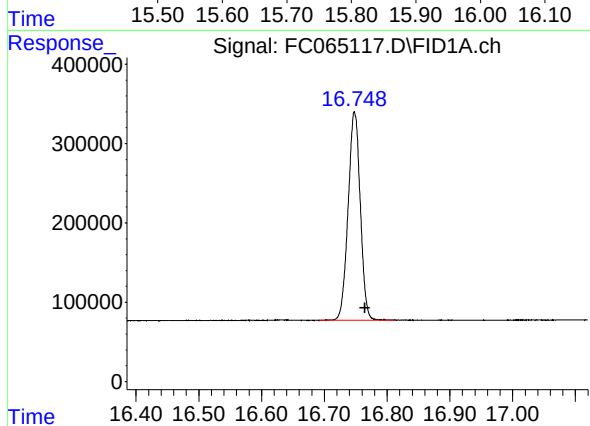
#14 n-Tetracosane (C24)

R.T.: 14.788 min
Delta R.T.: -0.014 min
Response: 3716808
Conc: 22.32 ug/ml



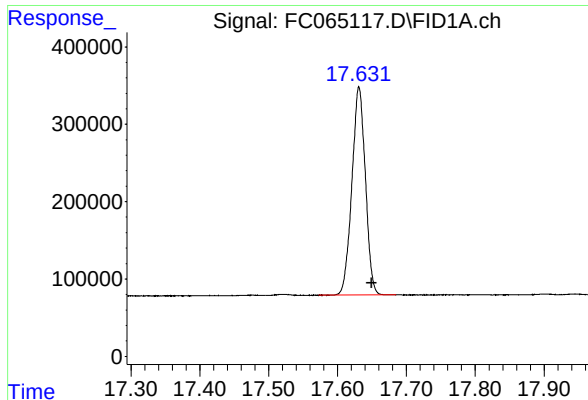
#15 n-Hexacosane (C26)

R.T.: 15.803 min
Delta R.T.: -0.016 min
Response: 3589524
Conc: 22.36 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.748 min
Delta R.T.: -0.017 min
Response: 3540390
Conc: 22.62 ug/ml



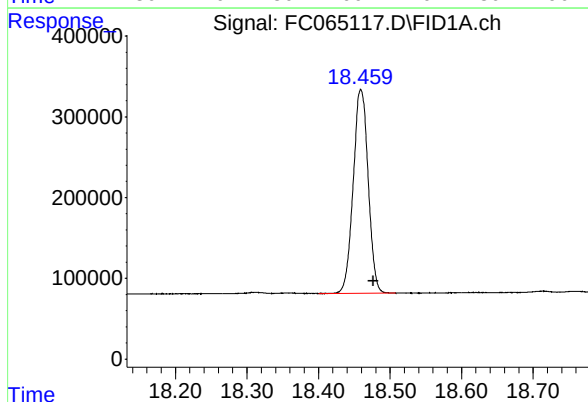
#17 n-Tricontane (C30)

R.T.: 17.631 min
Delta R.T.: -0.018 min
Response: 3660106
Conc: 23.11 ug/ml

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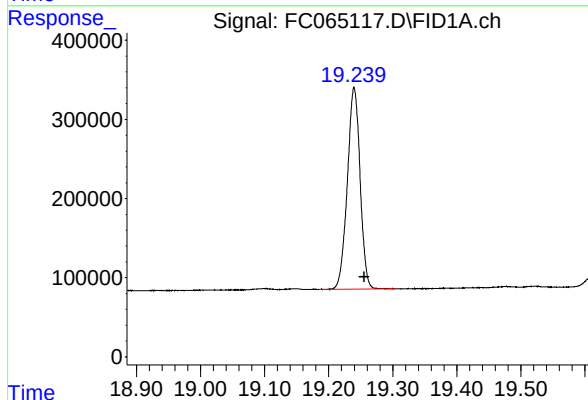
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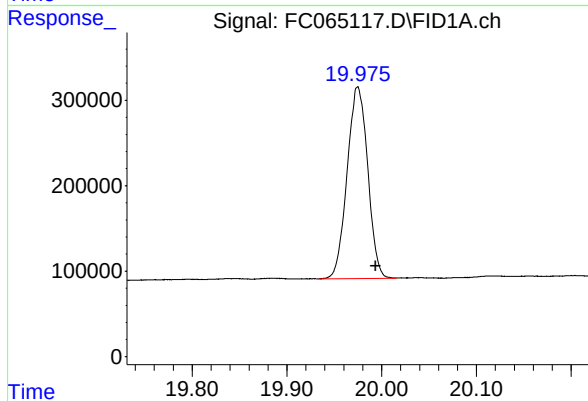
#18 n-Dotriacontane (C32)

R.T.: 18.459 min
Delta R.T.: -0.018 min
Response: 3669728
Conc: 23.24 ug/ml



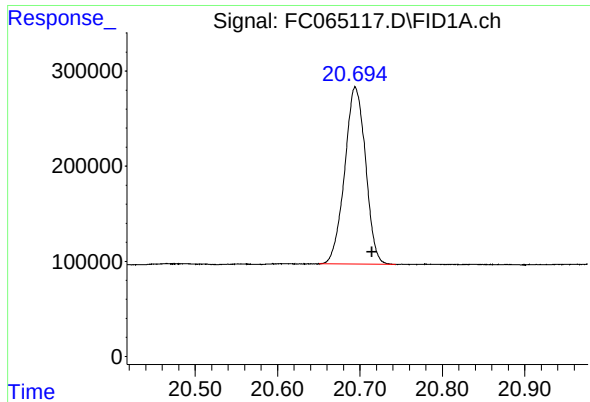
#19 n-Tetratriacontane (C34)

R.T.: 19.240 min
Delta R.T.: -0.016 min
Response: 3512437
Conc: 23.01 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.975 min
Delta R.T.: -0.019 min
Response: 3400144
Conc: 22.54 ug/ml m



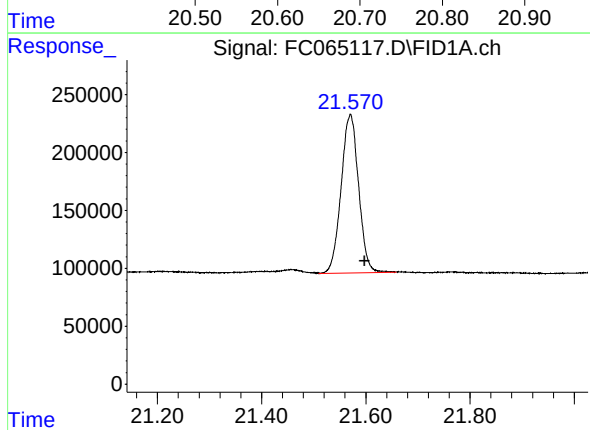
#21 n-Octatriacontane (C38)

R.T.: 20.694 min
Delta R.T.: -0.020 min
Response: 3274990
Conc: 22.01 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.570 min
Delta R.T.: -0.027 min
Response: 3184371
Conc: 21.65 ug/ml m