

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F121523AL\
 Data File : FC065477.D
 Signal(s) : FID1A.ch
 Acq On : 15 Dec 2023 14:07
 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 12/18/2023
 Supervised By :Ankita Jodhani 12/18/2023

Integration File: autoint1.e
 Quant Time: Dec 15 22:32:18 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 112423.M
 Quant Title : GC Extractables
 QLast Update : Fri Nov 24 13:28:29 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)	11.502	4177472	18.006 ug/ml
Spiked Amount 50.000		Recovery =	36.01%
12) S 1-chlorooctadecane (S...	12.933	3042399	18.374 ug/ml
Spiked Amount 50.000		Recovery =	36.75%
Target Compounds			
1) T n-Nonane (C9)	3.300	3485598	17.407 ug/ml
2) T n-Decane (C10)	4.359	3671830	18.268 ug/ml
3) T A~Naphthalene (C11.7)	5.941	3635273	17.905 ug/ml
4) T n-Dodecane (C12)	6.370	3711997	18.253 ug/ml
5) T A~2-methylnaphthalene...	6.995	3583196	18.436 ug/ml
6) T n-Tetradecane (C14)	8.159	3620157	18.216 ug/ml
7) T n-Hexadecane (C16)	9.754	3606555	18.207 ug/ml
8) T n-Octadecane (C18)	11.188	3601158	18.182 ug/ml
10) T n-Eicosane (C20)	12.491	3455174	18.259 ug/ml
11) T n-Heneicosane (C21)	13.100	3344423	18.100 ug/ml
13) T n-Docosane (C22)	13.684	3366172	18.658 ug/ml
14) T n-Tetracosane (C24)	14.780	3389132	19.548 ug/ml
15) T n-Hexacosane (C26)	15.796	3363185	20.198 ug/ml
16) T n-Octacosane (C28)	16.743	3395264	21.228 ug/ml
17) T n-Tricontane (C30)	17.628	3697960	23.224 ug/ml
18) T n-Dotriacontane (C32)	18.457	3650422	23.221 ug/ml
19) T n-Tetratriacontane (C34)	19.237	3316907	21.494 ug/mlm
20) T n-Hexatriacontane (C36)	19.975	3170252	20.682 ug/mlm
21) T n-Octatriacontane (C38)	20.691	2927522	19.252 ug/mlm
22) T n-Tetracontane (C40)	21.568	2824147	18.839 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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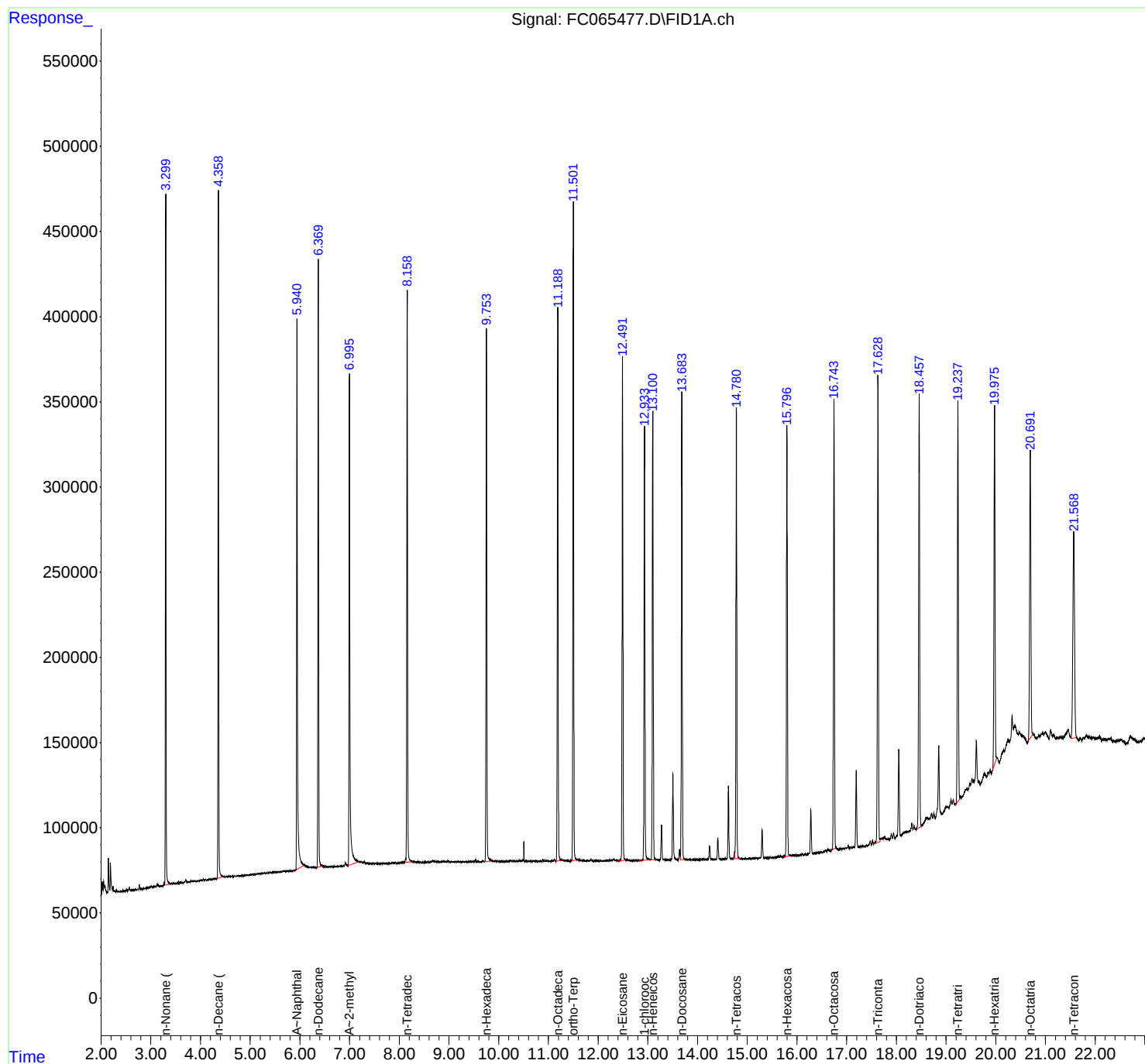
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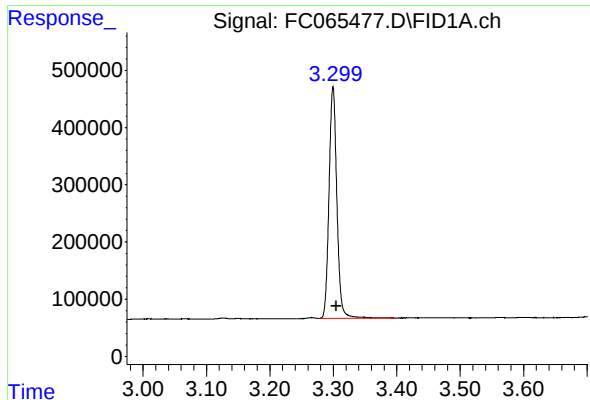
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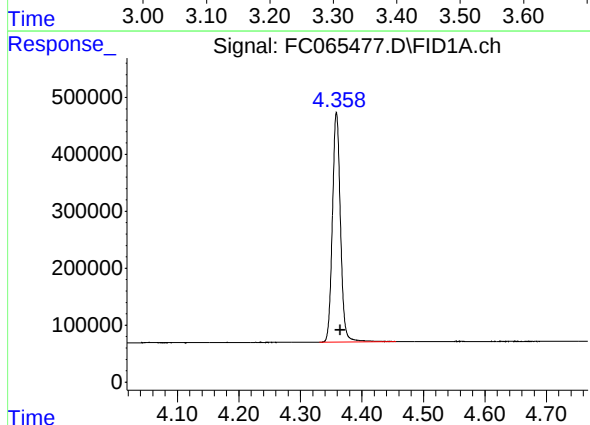
#1 n-Nonane (C9)

R.T.: 3.300 min
Delta R.T.: -0.005 min
Response: 3485598
Conc: 17.41 ug/ml

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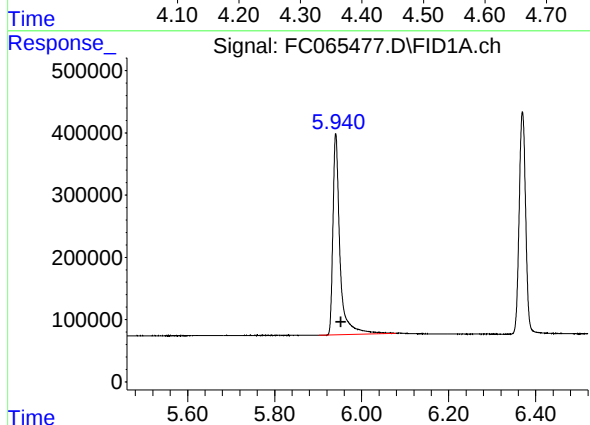
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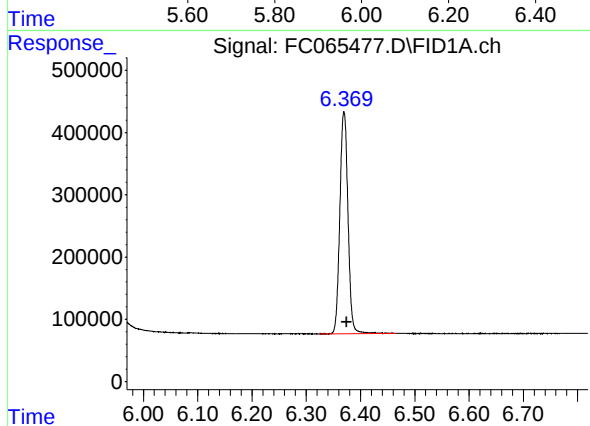
#2 n-Decane (C10)

R.T.: 4.359 min
Delta R.T.: -0.006 min
Response: 3671830
Conc: 18.27 ug/ml



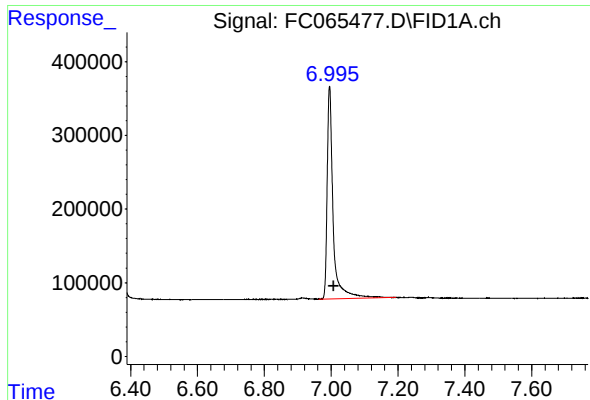
#3 A~Naphthalene (C11.7)

R.T.: 5.941 min
Delta R.T.: -0.011 min
Response: 3635273
Conc: 17.91 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.370 min
Delta R.T.: -0.005 min
Response: 3711997
Conc: 18.25 ug/ml



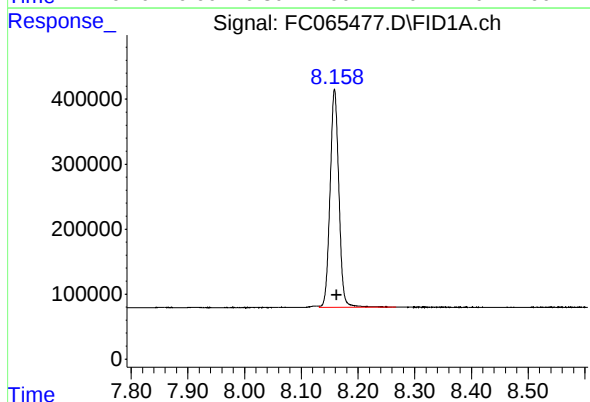
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.995 min
Delta R.T.: -0.012 min
Response: 3583196
Conc: 18.44 ug/ml

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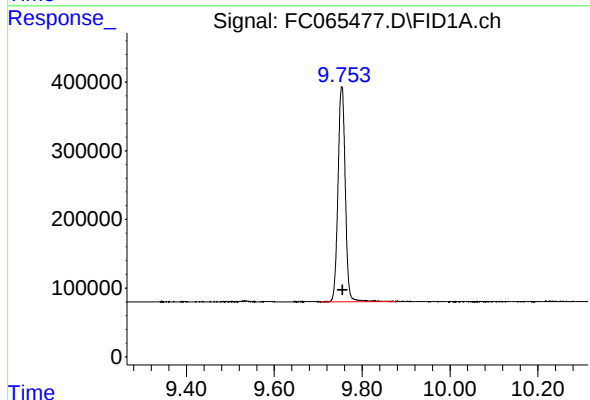
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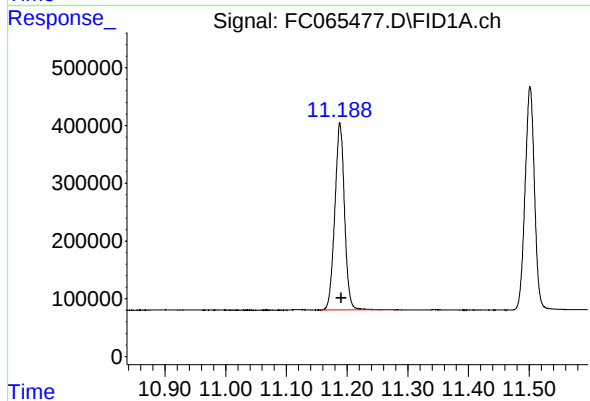
#6 n-Tetradecane (C14)

R.T.: 8.159 min
Delta R.T.: -0.004 min
Response: 3620157
Conc: 18.22 ug/ml



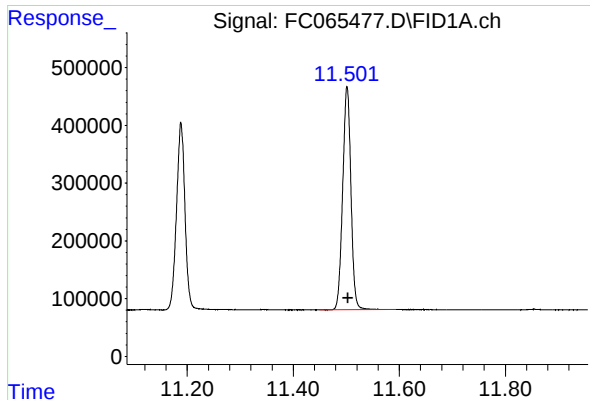
#7 n-Hexadecane (C16)

R.T.: 9.754 min
Delta R.T.: -0.002 min
Response: 3606555
Conc: 18.21 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.188 min
Delta R.T.: -0.002 min
Response: 3601158
Conc: 18.18 ug/ml



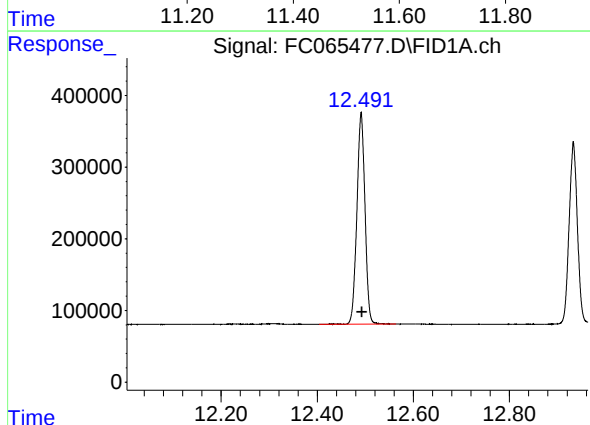
#9 ortho-Terphenyl (SURR)

R.T.: 11.502 min
Delta R.T.: -0.002 min
Response: 4177472
Conc: 18.01 ug/ml

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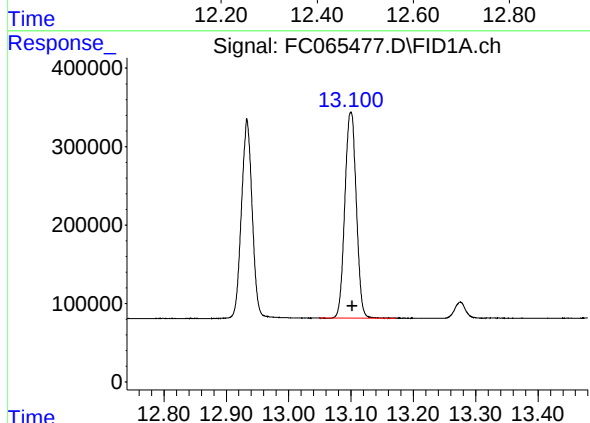
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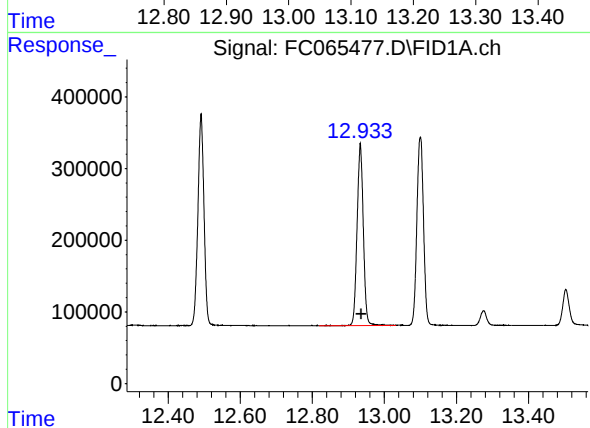
#10 n-Eicosane (C20)

R.T.: 12.491 min
Delta R.T.: -0.001 min
Response: 3455174
Conc: 18.26 ug/ml



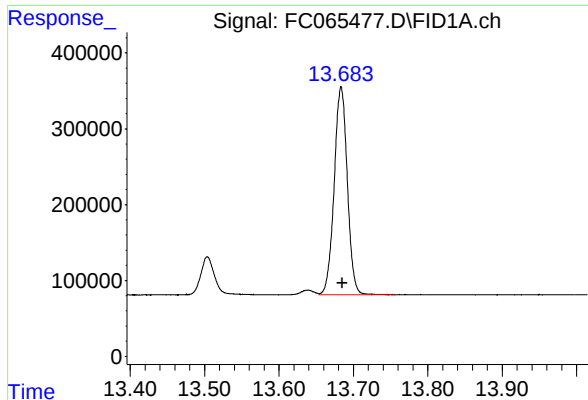
#11 n-Heneicosane (C21)

R.T.: 13.100 min
Delta R.T.: -0.002 min
Response: 3344423
Conc: 18.10 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.933 min
Delta R.T.: -0.003 min
Response: 3042399
Conc: 18.37 ug/ml



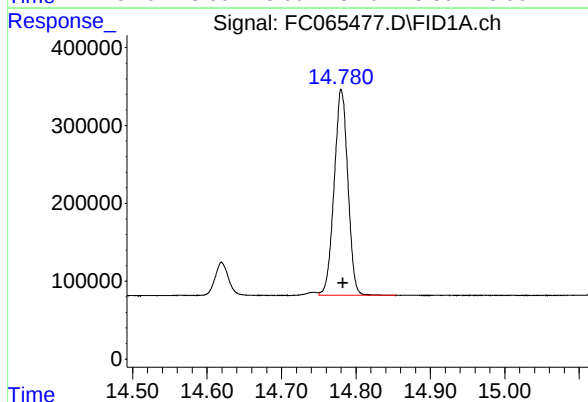
#13 n-Docosane (C22)

R.T.: 13.684 min
Delta R.T.: -0.002 min
Response: 3366172
Conc: 18.66 ug/ml

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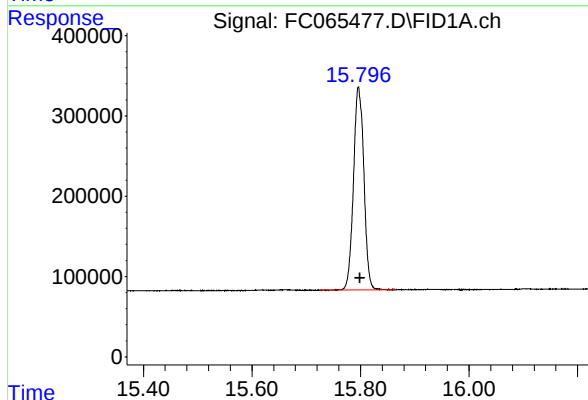
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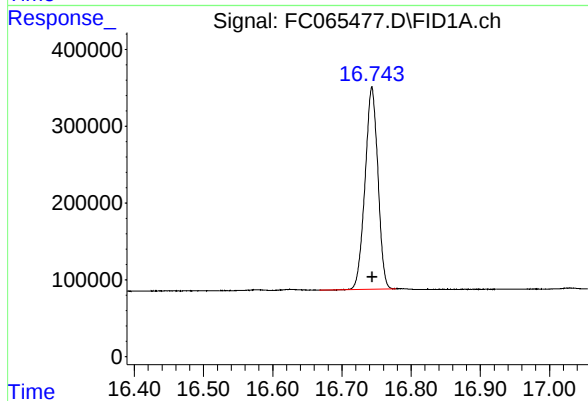
#14 n-Tetracosane (C24)

R.T.: 14.780 min
Delta R.T.: -0.002 min
Response: 3389132
Conc: 19.55 ug/ml



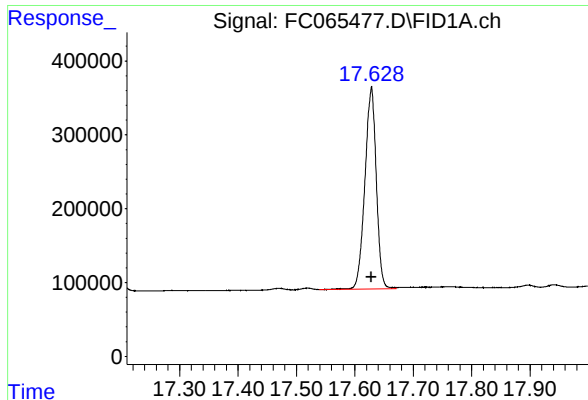
#15 n-Hexacosane (C26)

R.T.: 15.796 min
Delta R.T.: -0.003 min
Response: 3363185
Conc: 20.20 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.743 min
Delta R.T.: 0.000 min
Response: 3395264
Conc: 21.23 ug/ml



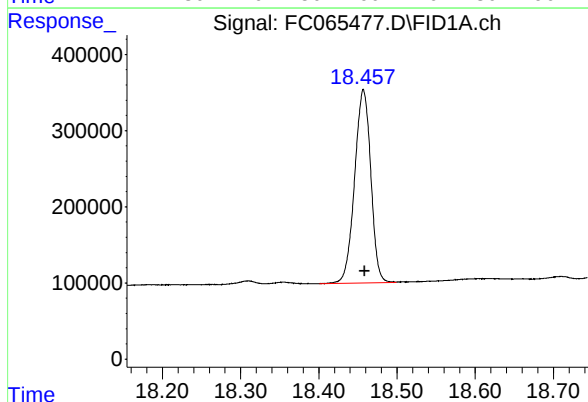
#17 n-Tricontane (C30)

R.T.: 17.628 min
Delta R.T.: 0.000 min
Response: 3697960
Conc: 23.22 ug/ml

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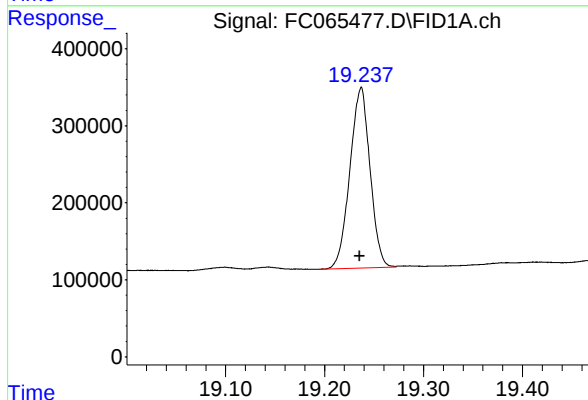
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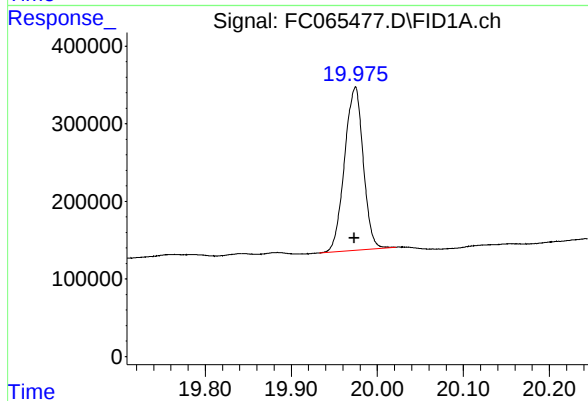
#18 n-Dotriacontane (C32)

R.T.: 18.457 min
Delta R.T.: -0.002 min
Response: 3650422
Conc: 23.22 ug/ml



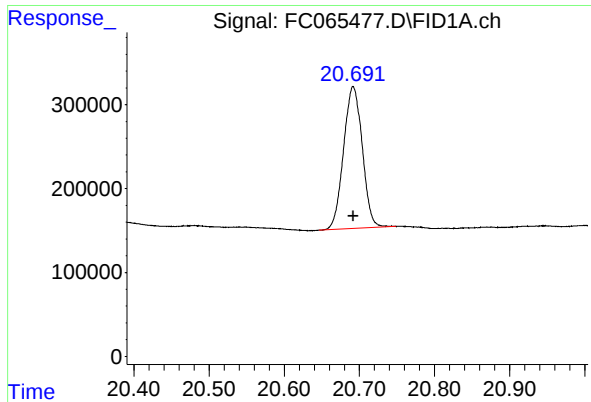
#19 n-Tetatriacontane (C34)

R.T.: 19.237 min
Delta R.T.: 0.001 min
Response: 3316907
Conc: 21.49 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.975 min
Delta R.T.: 0.001 min
Response: 3170252
Conc: 20.68 ug/ml m



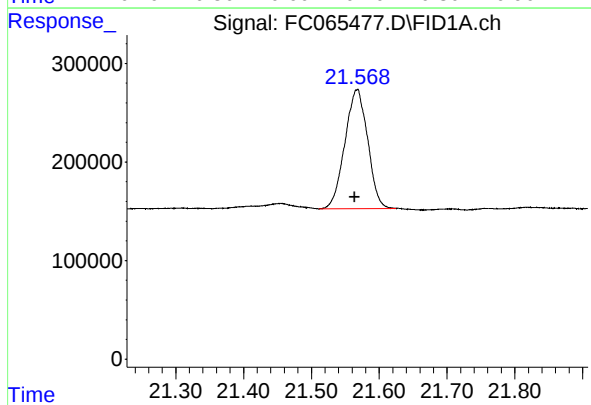
#21 n-Octatriacontane (C38)

R.T.: 20.691 min
Delta R.T.: 0.000 min
Response: 2927522
Conc: 19.25 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.568 min
Delta R.T.: 0.004 min
Response: 2824147
Conc: 18.84 ug/ml m