

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG042225AL\
 Data File : FG015740.D
 Signal(s) : FID1A.ch
 Acq On : 22 Apr 2025 16:45
 Operator : YP\AJ
 Sample : Q1848-03MSD
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :

FID_G

ClientSampleId :

ETGI-275MSD

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 04/23/2025

Supervised By :mohammad ahmed 04/24/2025

Integration File: autoint1.e

Quant Time: Apr 23 02:44:03 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 041725.M

Quant Title : GC Extractables

QLast Update : Thu Apr 17 12:40:13 2025

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)	11.902	3294434	22.724 ug/ml
Spiked Amount 50.000		Recovery =	45.45%
12) S 1-chlorooctadecane (S...	13.347	3374845	31.913 ug/ml
Spiked Amount 50.000		Recovery =	63.83%
Target Compounds			
1) T n-Nonane (C9)	3.243	2505780	22.423 ug/ml
2) T n-Decane (C10)	4.505	2737194	24.410 ug/ml
3) T A~Naphthalene (C11.7)	6.218	3204530	27.621 ug/ml
4) T n-Dodecane (C12)	6.686	2977025	26.037 ug/ml
5) T A~2-methylnaphthalene...	7.320	3051315	27.409 ug/ml
6) T n-Tetradecane (C14)	8.524	3275546	28.744 ug/ml
7) T n-Hexadecane (C16)	10.136	3489085	29.839 ug/ml
8) T n-Octadecane (C18)	11.585	3631276	30.357 ug/ml
10) T n-Eicosane (C20)	12.902	4059360	34.113 ug/ml
11) T n-Heneicosane (C21)	13.516	4135972	34.967 ug/ml
13) T n-Docosane (C22)	14.103	4489007	38.494 ug/ml
14) T n-Tetracosane (C24)	15.202	10459525	90.757 ug/ml
15) T n-Hexacosane (C26)	16.238	3972231	35.571 ug/ml
16) T n-Octacosane (C28)	17.187	3915271	35.976 ug/ml
17) T n-Tricontane (C30)	18.080	4004292	36.763 ug/ml
18) T n-Dotriacontane (C32)	18.914	3666183	34.078 ug/ml
19) T n-Tetratriacontane (C34)	19.699	3539843	34.741 ug/ml
20) T n-Hexatriacontane (C36)	20.440	3109609	31.789 ug/ml
21) T n-Octatriacontane (C38)	21.180	3022444	33.113 ug/ml
22) T n-Tetracontane (C40)	22.102	3037178	35.963 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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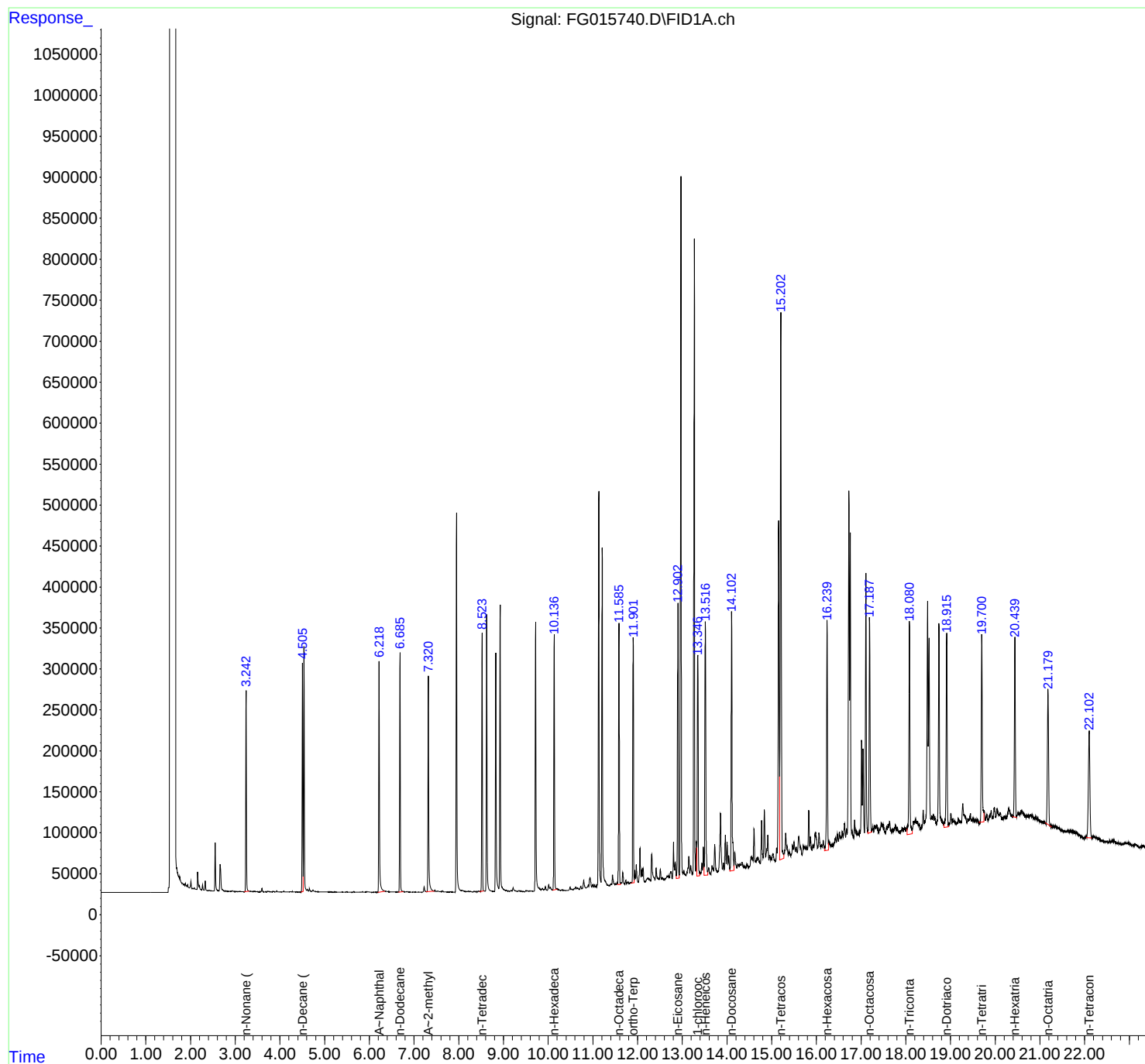
Response via : Initial Calibration

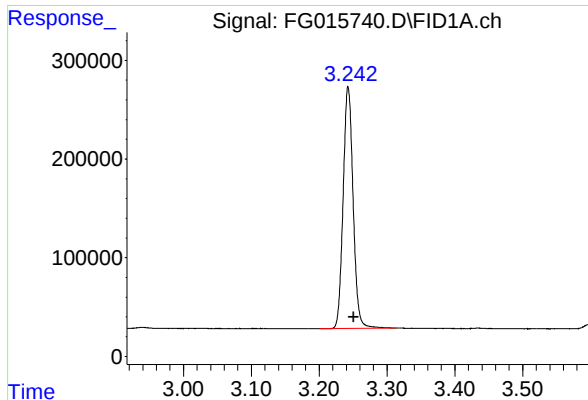
Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um





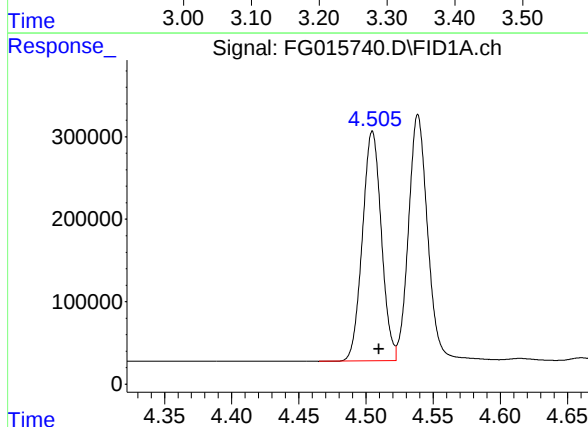
#1 n-Nonane (C9)

R.T.: 3.243 min
Delta R.T.: -0.008 min
Response: 2505780
Conc: 22.42 ug/ml

Instrument :
FID_G
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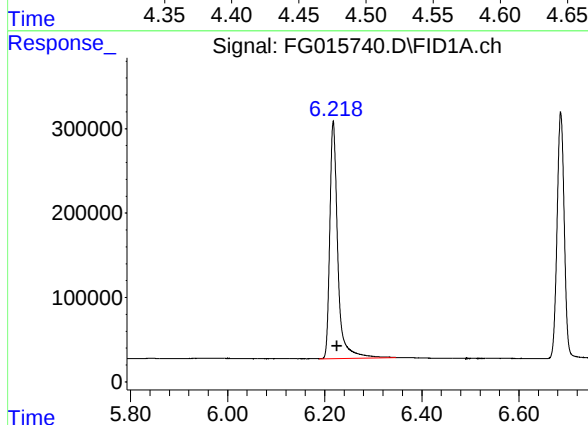
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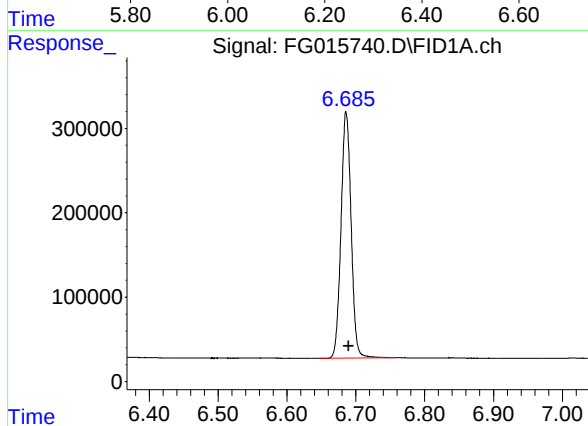
#2 n-Decane (C10)

R.T.: 4.505 min
Delta R.T.: -0.005 min
Response: 2737194
Conc: 24.41 ug/ml



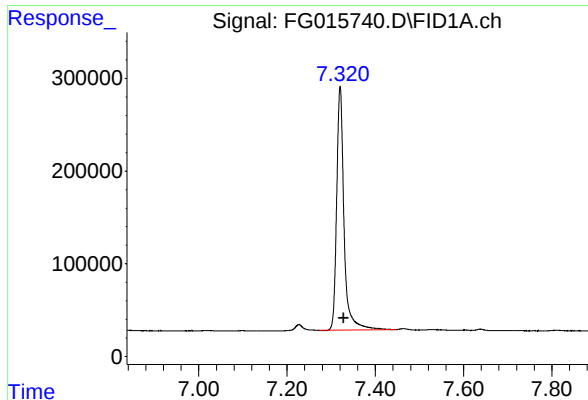
#3 A~Naphthalene (C11.7)

R.T.: 6.218 min
Delta R.T.: -0.008 min
Response: 3204530
Conc: 27.62 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.686 min
Delta R.T.: -0.003 min
Response: 2977025
Conc: 26.04 ug/ml



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

R.T.: 7.320 min
Delta R.T.: -0.008 min
Response: 3051315
Conc: 27.41 ug/ml

Instrument :

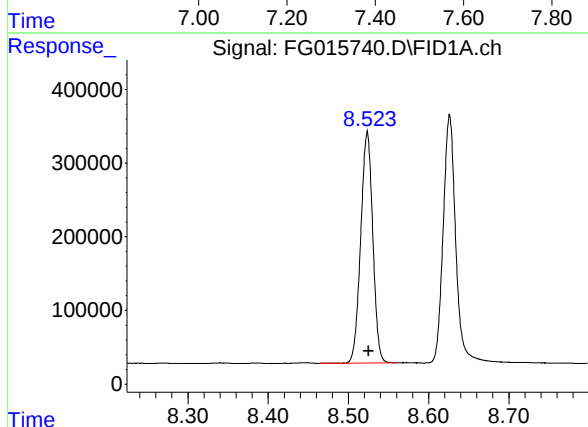
FID_G

ClientSampleId :

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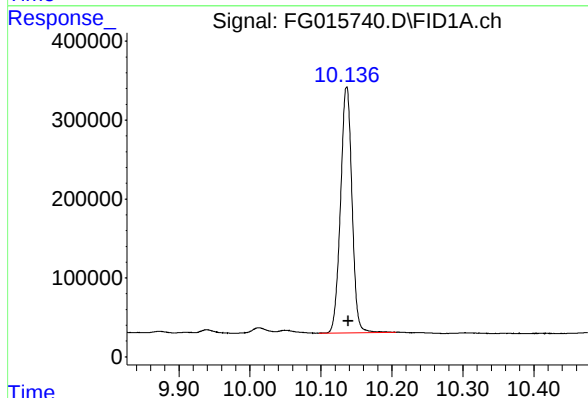
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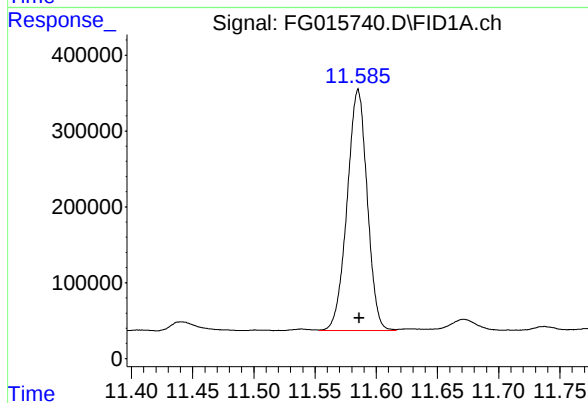
#6 n-Tetradecane (C14)

R.T.: 8.524 min
Delta R.T.: -0.002 min
Response: 3275546
Conc: 28.74 ug/ml



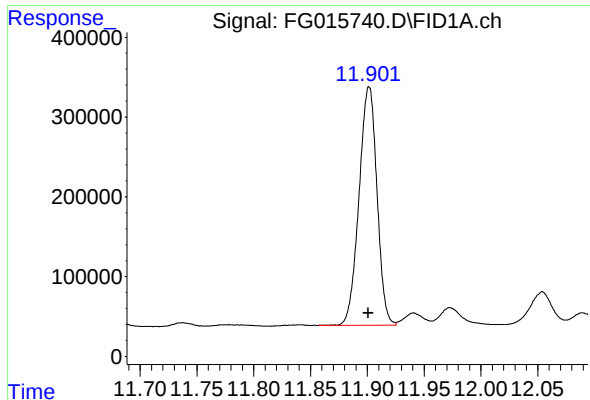
#7 n-Hexadecane (C16)

R.T.: 10.136 min
Delta R.T.: -0.002 min
Response: 3489085
Conc: 29.84 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.585 min
Delta R.T.: 0.000 min
Response: 3631276
Conc: 30.36 ug/ml



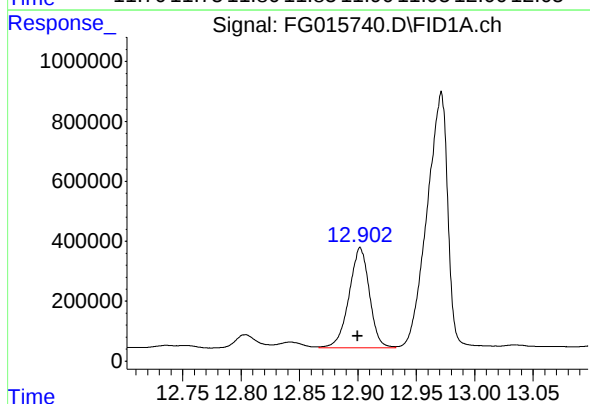
#9 ortho-Terphenyl (SURR)

R.T.: 11.902 min
Delta R.T.: 0.000 min
Response: 3294434
Conc: 22.72 ug/ml

Instrument :
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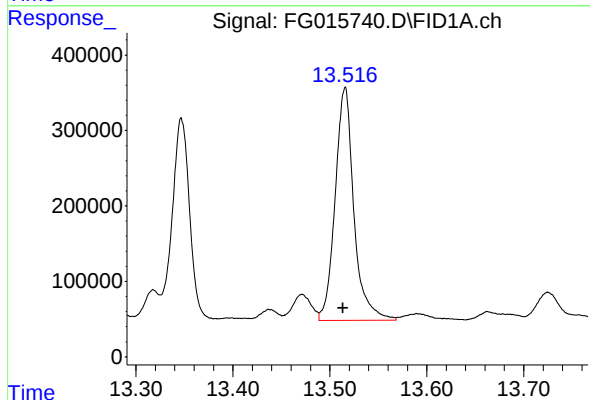
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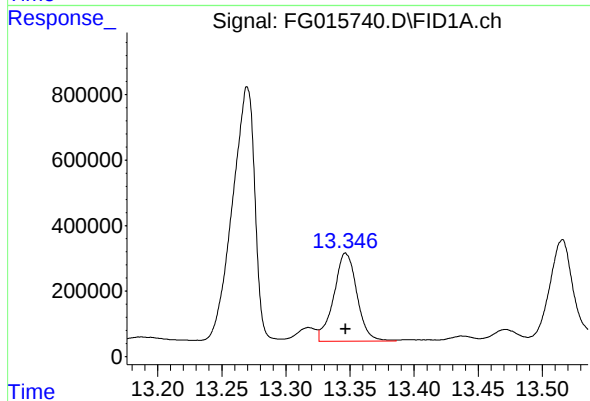
#10 n-Eicosane (C20)

R.T.: 12.902 min
Delta R.T.: 0.002 min
Response: 4059360
Conc: 34.11 ug/ml



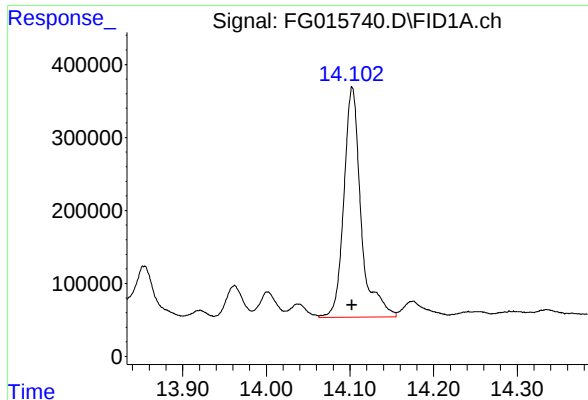
#11 n-Heneicosane (C21)

R.T.: 13.516 min
Delta R.T.: 0.002 min
Response: 4135972
Conc: 34.97 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.347 min
Delta R.T.: 0.000 min
Response: 3374845
Conc: 31.91 ug/ml



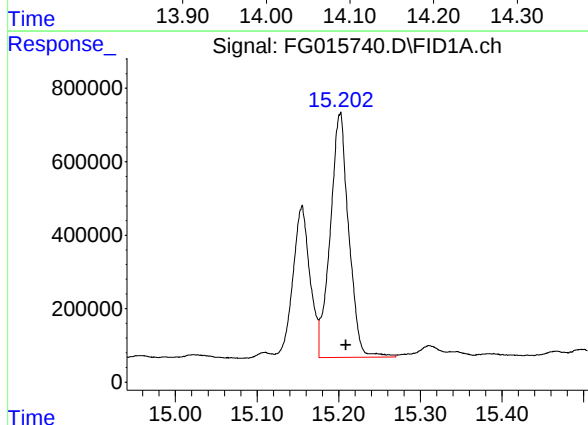
#13 n-Docosane (C22)

R.T.: 14.103 min
Delta R.T.: 0.000 min
Response: 4489007
Conc: 38.49 ug/ml

Instrument :
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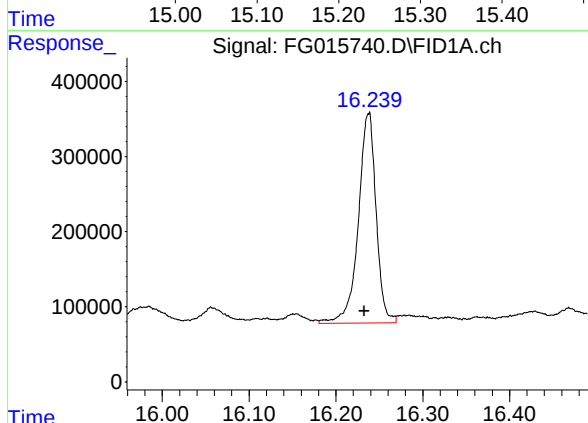
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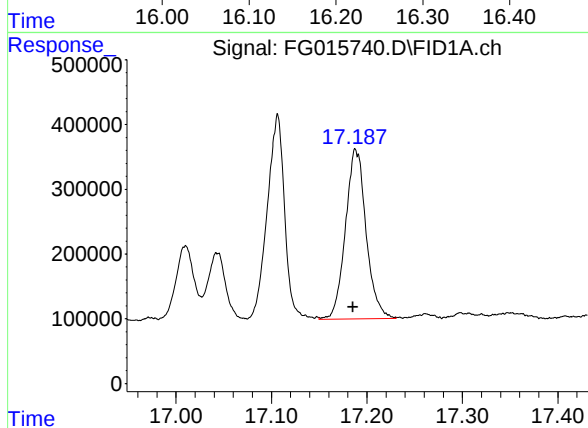
#14 n-Tetracosane (C24)

R.T.: 15.202 min
Delta R.T.: -0.007 min
Response: 10459525
Conc: 90.76 ug/ml



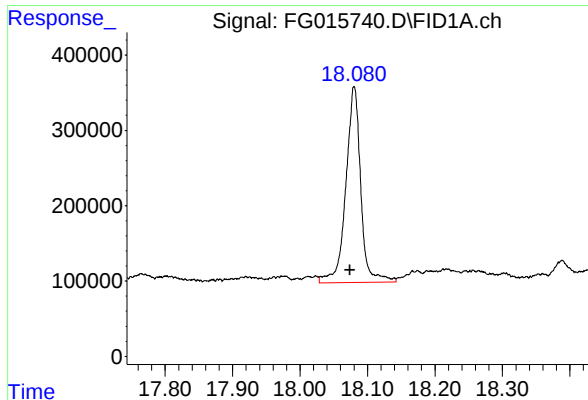
#15 n-Hexacosane (C26)

R.T.: 16.238 min
Delta R.T.: 0.005 min
Response: 3972231
Conc: 35.57 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.187 min
Delta R.T.: 0.002 min
Response: 3915271
Conc: 35.98 ug/ml m



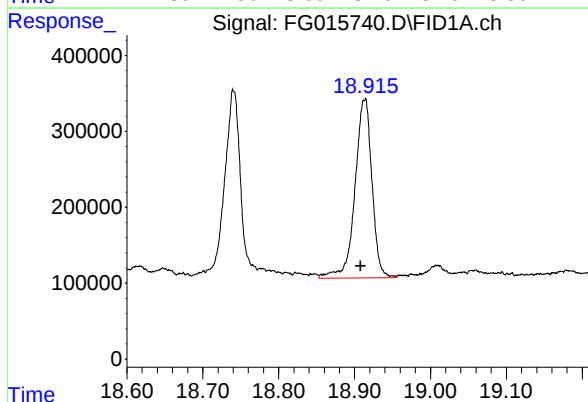
#17 n-Tricontane (C30)

R.T.: 18.080 min
Delta R.T.: 0.006 min
Response: 4004292
Conc: 36.76 ug/ml

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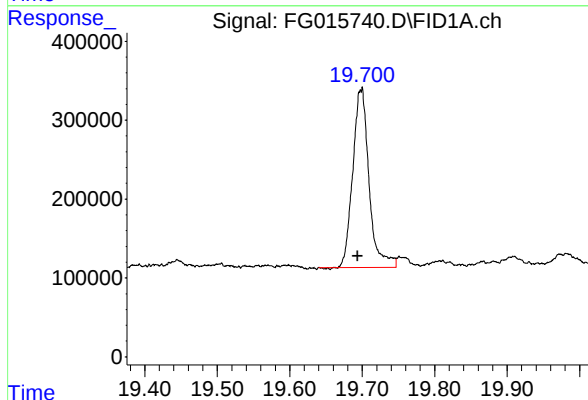
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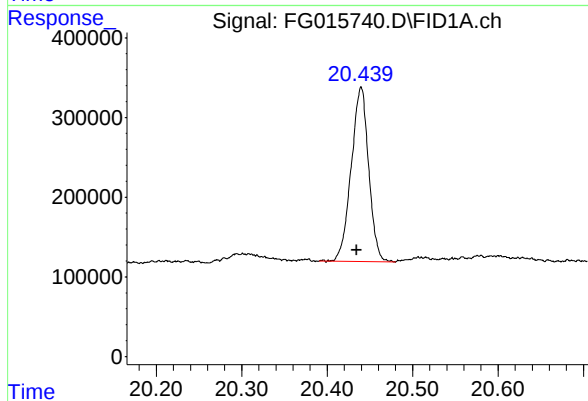
#18 n-Dotriacontane (C32)

R.T.: 18.914 min
Delta R.T.: 0.006 min
Response: 3666183
Conc: 34.08 ug/ml



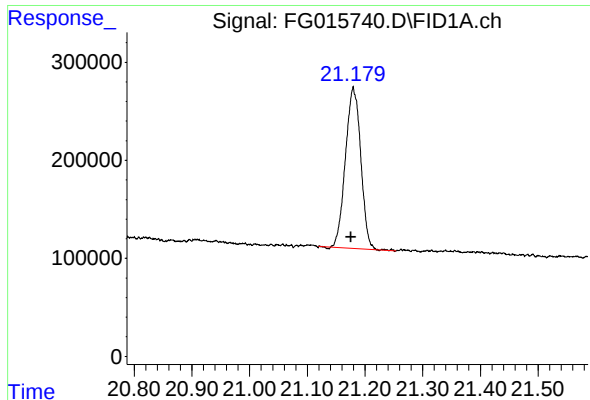
#19 n-Tetratriacontane (C34)

R.T.: 19.699 min
Delta R.T.: 0.005 min
Response: 3539843
Conc: 34.74 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.440 min
Delta R.T.: 0.006 min
Response: 3109609
Conc: 31.79 ug/ml



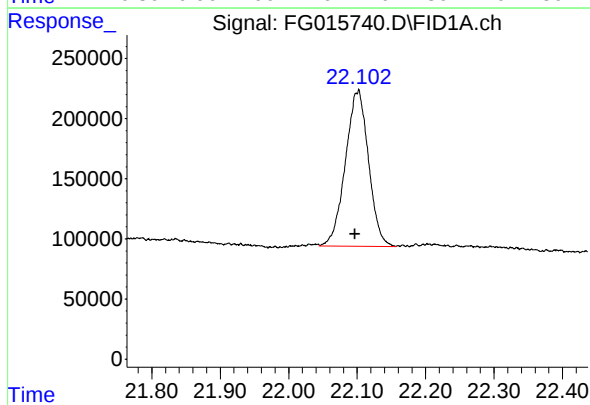
#21 n-Octatriacontane (C38)

R.T.: 21.180 min
Delta R.T.: 0.004 min
Response: 3022444
Conc: 33.11 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.102 min
Delta R.T.: 0.006 min
Response: 3037178
Conc: 35.96 ug/ml m