

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG100923AL\
 Data File : FG013052.D
 Signal(s) : FID1A.ch
 Acq On : 09 Oct 2023 16:48
 Operator : YP\AJ
 Sample : 04699-01
 Misc : 4PPM SOIL LOD
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/10/2023
 Supervised By :Ankita Jodhani 10/10/2023

Integration File: autoint1.e
 Quant Time: Oct 09 23:50:18 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 100623.M
 Quant Title : GC Extractables
 QLast Update : Sat Oct 07 07:45:31 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			
12) S 1-chlorooctadecane (S...	13.433	3557547	35.301 ug/ml
Spiked Amount 50.000		Recovery =	70.60%
Target Compounds			
1) T n-Nonane (C9)	3.345	294292	2.464 ug/ml
2) T n-Decane (C10)	4.599	373546	3.064 ug/ml
4) T n-Dodecane (C12)	6.772	442205	3.628 ug/ml
6) T n-Tetradecane (C14)	8.607	413890	3.460 ug/ml
7) T n-Hexadecane (C16)	10.220	426616	3.487 ug/ml
8) T n-Octadecane (C18)	11.669	448160	3.660 ug/ml
10) T n-Eicosane (C20)	12.984	469034	4.017 ug/ml
11) T n-Heneicosane (C21)	13.598	451678	3.955 ug/ml
13) T n-Docosane (C22)	14.187	454866	4.008 ug/ml
14) T n-Tetracosane (C24)	15.293	459690	4.061 ug/ml
15) T n-Hexacosane (C26)	16.317	441489	3.982 ug/ml
16) T n-Octacosane (C28)	17.269	453876	4.137 ug/ml
17) T n-Tricontane (C30)	18.158	478788	4.181 ug/mlm
18) T n-Dotriacontane (C32)	18.993	484161	4.218 ug/ml
19) T n-Tetratriacontane (C34)	19.778	462080	4.130 ug/mlm
20) T n-Hexatriacontane (C36)	20.518	427170	3.746 ug/mlm
21) T n-Octatriacontane (C38)	21.277	427772	3.729 ug/ml
22) T n-Tetracontane (C40)	22.231	416783	3.600 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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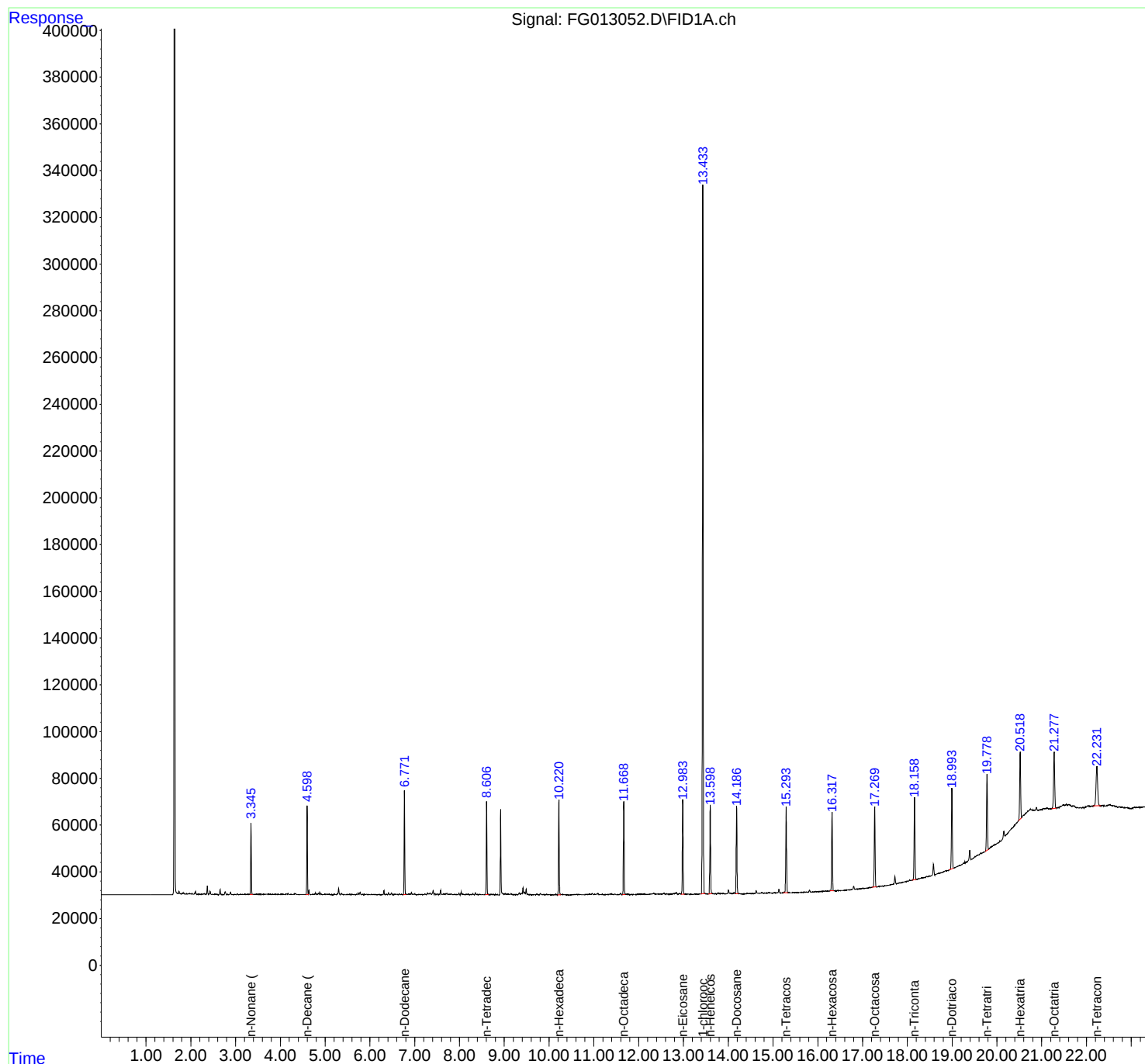
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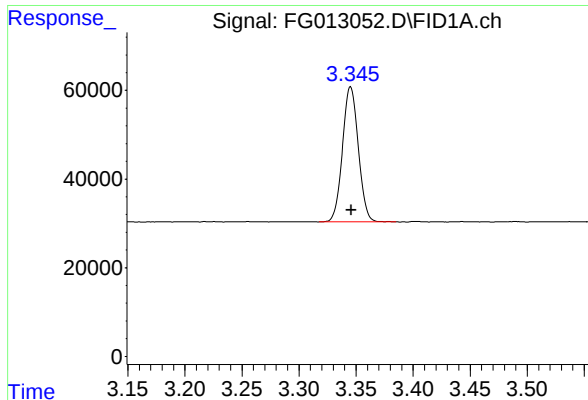
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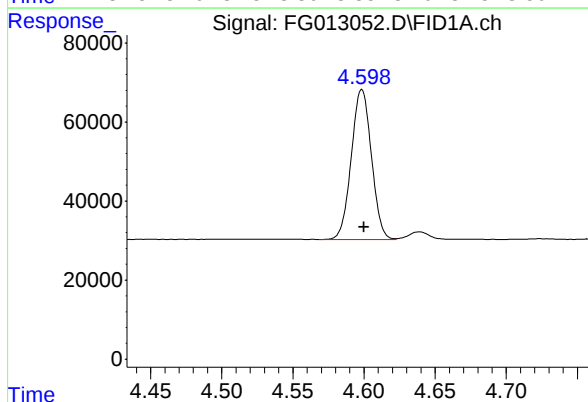
#1 n-Nonane (C9)

R.T.: 3.345 min
Delta R.T.: 0.000 min
Response: 294292
Conc: 2.46 ug/ml

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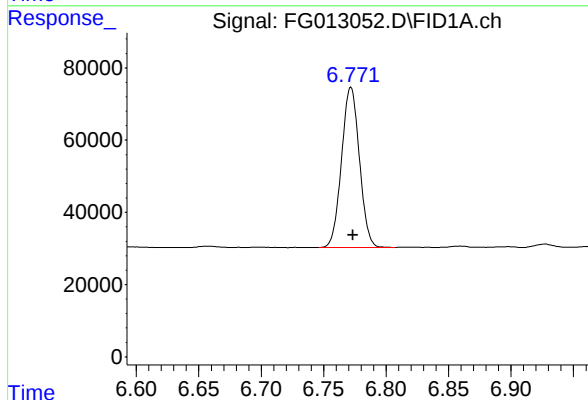
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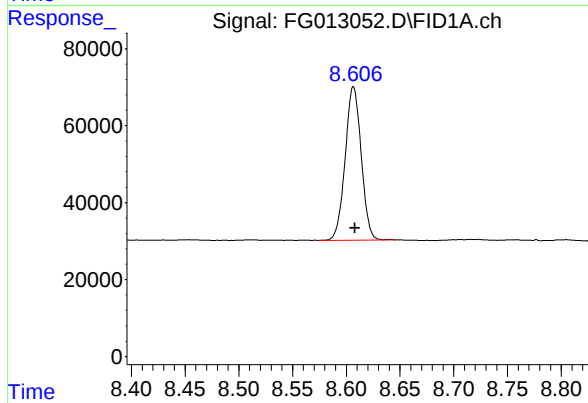
#2 n-Decane (C10)

R.T.: 4.599 min
Delta R.T.: -0.001 min
Response: 373546
Conc: 3.06 ug/ml



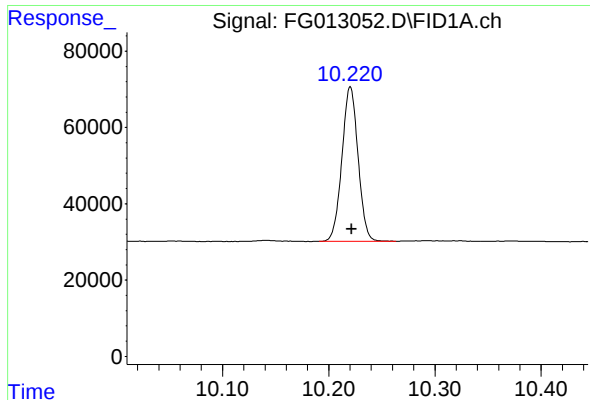
#4 n-Dodecane (C12)

R.T.: 6.772 min
Delta R.T.: -0.002 min
Response: 442205
Conc: 3.63 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.607 min
Delta R.T.: -0.001 min
Response: 413890
Conc: 3.46 ug/ml



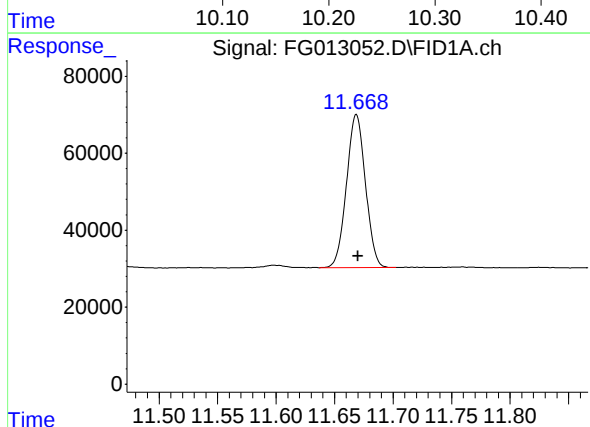
#7 n-Hexadecane (C16)

R.T.: 10.220 min
Delta R.T.: -0.001 min
Response: 426616
Conc: 3.49 ug/ml

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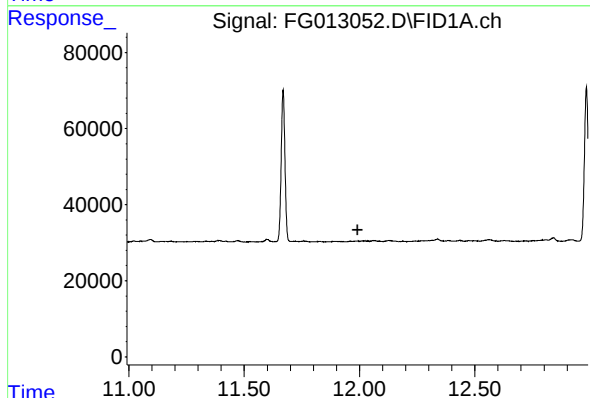
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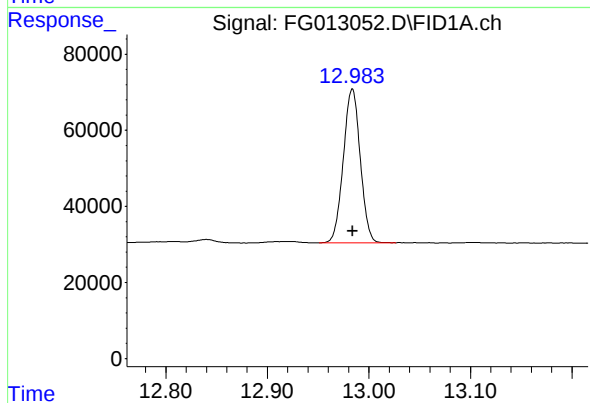
#8 n-Octadecane (C18)

R.T.: 11.669 min
Delta R.T.: -0.002 min
Response: 448160
Conc: 3.66 ug/ml



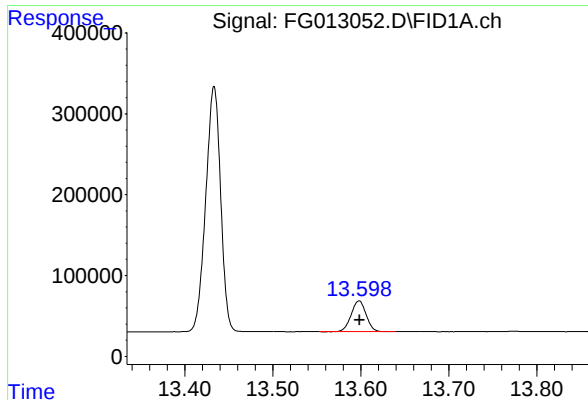
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.991 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.984 min
Delta R.T.: 0.000 min
Response: 469034
Conc: 4.02 ug/ml



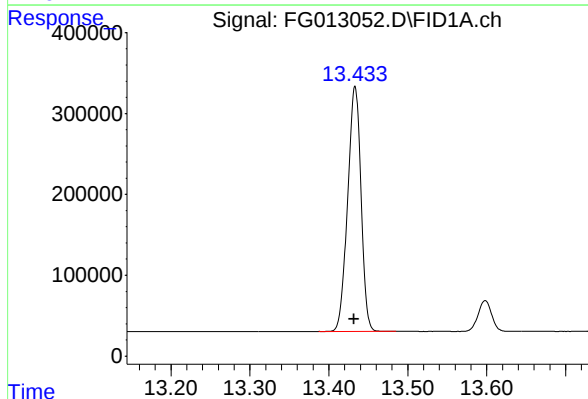
#11 n-Heneicosane (C21)

R.T.: 13.598 min
Delta R.T.: 0.000 min
Response: 451678
Conc: 3.96 ug/ml

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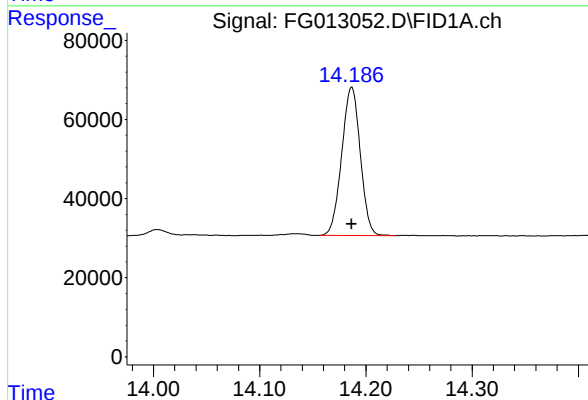
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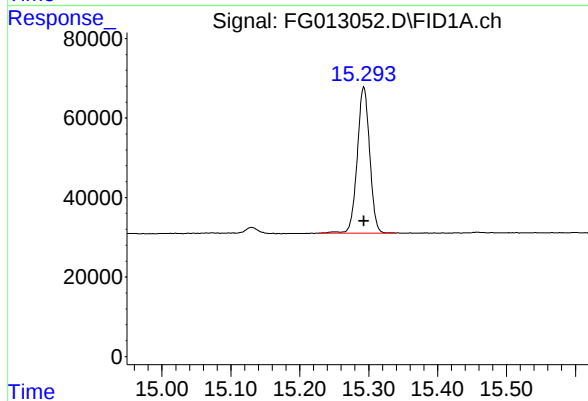
#12 1-chlorooctadecane (SURR)

R.T.: 13.433 min
Delta R.T.: 0.001 min
Response: 3557547
Conc: 35.30 ug/ml



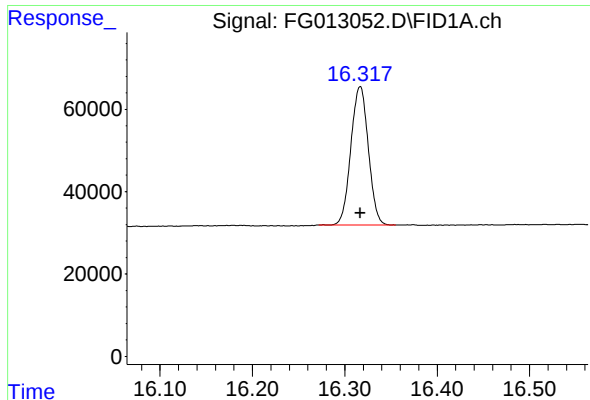
#13 n-Docosane (C22)

R.T.: 14.187 min
Delta R.T.: 0.000 min
Response: 454866
Conc: 4.01 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.293 min
Delta R.T.: 0.000 min
Response: 459690
Conc: 4.06 ug/ml



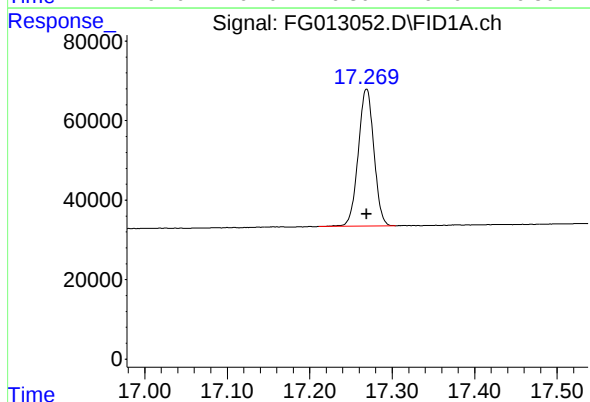
#15 n-Hexacosane (C26)

R.T.: 16.317 min
Delta R.T.: 0.000 min
Response: 441489
Conc: 3.98 ug/ml

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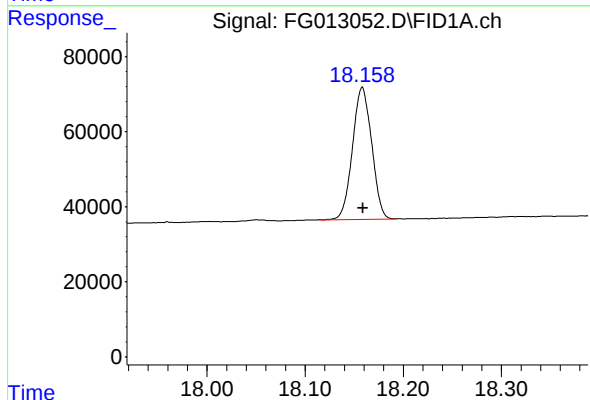
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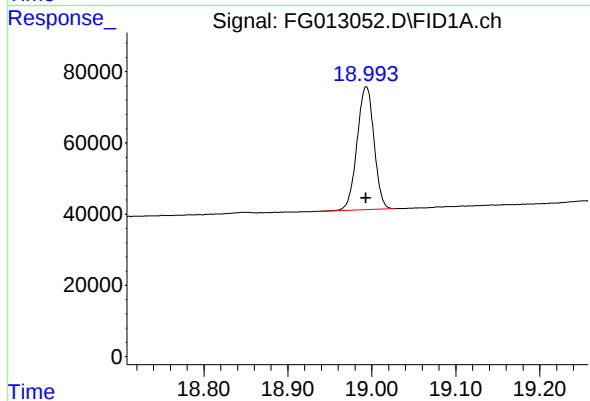
#16 n-Octacosane (C28)

R.T.: 17.269 min
Delta R.T.: 0.000 min
Response: 453876
Conc: 4.14 ug/ml



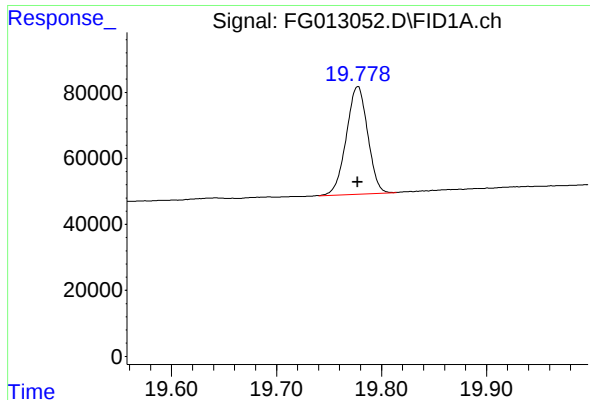
#17 n-Tricontane (C30)

R.T.: 18.158 min
Delta R.T.: 0.000 min
Response: 478788
Conc: 4.18 ug/ml m



#18 n-Dotriacontane (C32)

R.T.: 18.993 min
Delta R.T.: 0.000 min
Response: 484161
Conc: 4.22 ug/ml



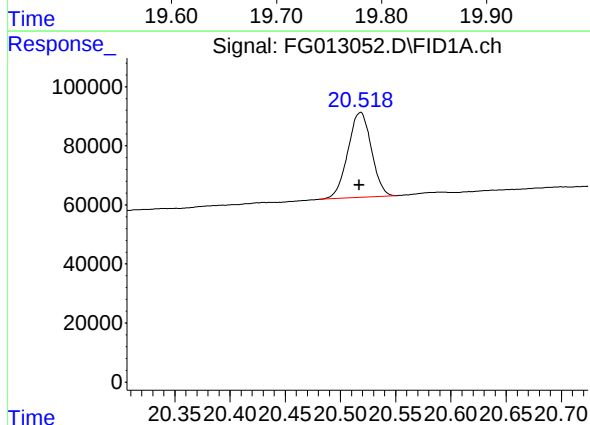
#19 n-Tetratriacontane (C34)

R.T.: 19.778 min
Delta R.T.: 0.000 min
Response: 462080
Conc: 4.13 ug/ml

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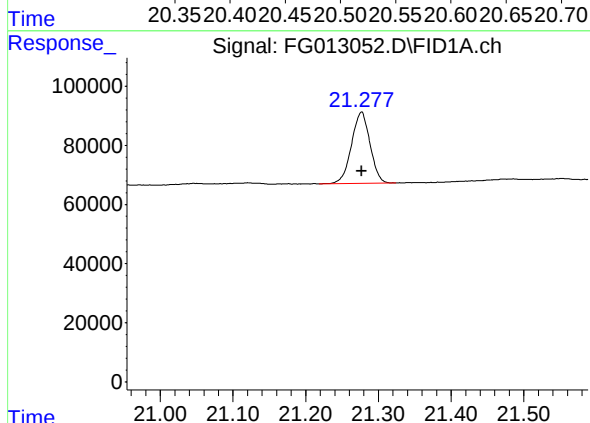
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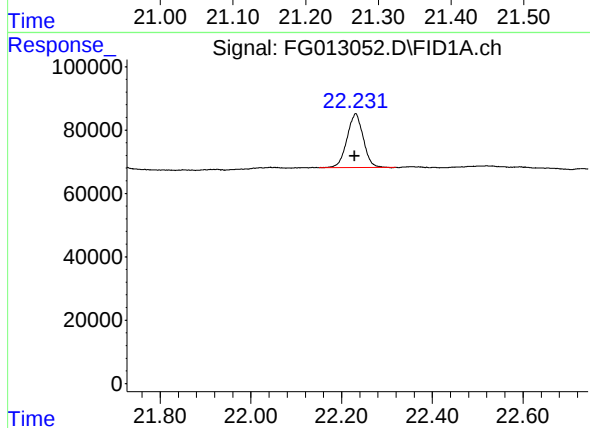
#20 n-Hexatriacontane (C36)

R.T.: 20.518 min
Delta R.T.: 0.001 min
Response: 427170
Conc: 3.75 ug/ml m



#21 n-Octatriacontane (C38)

R.T.: 21.277 min
Delta R.T.: 0.000 min
Response: 427772
Conc: 3.73 ug/ml



#22 n-Tetracontane (C40)

R.T.: 22.231 min
Delta R.T.: 0.002 min
Response: 416783
Conc: 3.60 ug/ml