

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061223AL\
 Data File : FG012156.D
 Signal(s) : FID1A.ch
 Acq On : 12 Jun 2023 13:44
 Operator : YP\AJ
 Sample : 02213-01
 Misc : 2.5 PPM SOIL LOD
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/13/2023
 Supervised By :Ankita Jodhani 06/13/2023

Integration File: autoint1.e
 Quant Time: Jun 13 01:18:11 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 051923.M
 Quant Title : GC Extractables
 QLast Update : Fri May 19 12:59:06 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...	12.352	5578751	47.046 ug/ml
Spiked Amount 50.000		Recovery =	94.09%
Target Compounds			
1) T n-Nonane (C9)	2.752	165241	1.435 ug/ml
2) T n-Decane (C10)	3.761	204809	1.736 ug/ml
4) T n-Dodecane (C12)	5.752	256945	2.142 ug/ml
6) T n-Tetradecane (C14)	7.546	240267	1.979 ug/ml
7) T n-Hexadecane (C16)	9.148	267391	2.059 ug/ml
8) T n-Octadecane (C18)	10.592	308471	2.266 ug/ml
10) T n-Eicosane (C20)	11.903	320847	2.377 ug/ml
11) T n-Heneicosane (C21)	12.515	282909	2.105 ug/ml
13) T n-Docosane (C22)	13.103	326927	2.419 ug/ml
14) T n-Tetracosane (C24)	14.208	327738	2.408 ug/ml
15) T n-Hexacosane (C26)	15.232	333995	2.497 ug/ml
16) T n-Octacosane (C28)	16.183	342313	2.622 ug/ml
17) T n-Tricontane (C30)	17.071	356802	2.705 ug/ml
18) T n-Dotriacontane (C32)	17.906	357052	2.779 ug/ml
19) T n-Tetratriacontane (C34)	18.690	327287	2.671 ug/ml
20) T n-Hexatriacontane (C36)	19.432	279992	2.407 ug/ml
21) T n-Octatriacontane (C38)	20.173	255396	2.273 ug/ml
22) T n-Tetracontane (C40)	21.087	243290	2.258 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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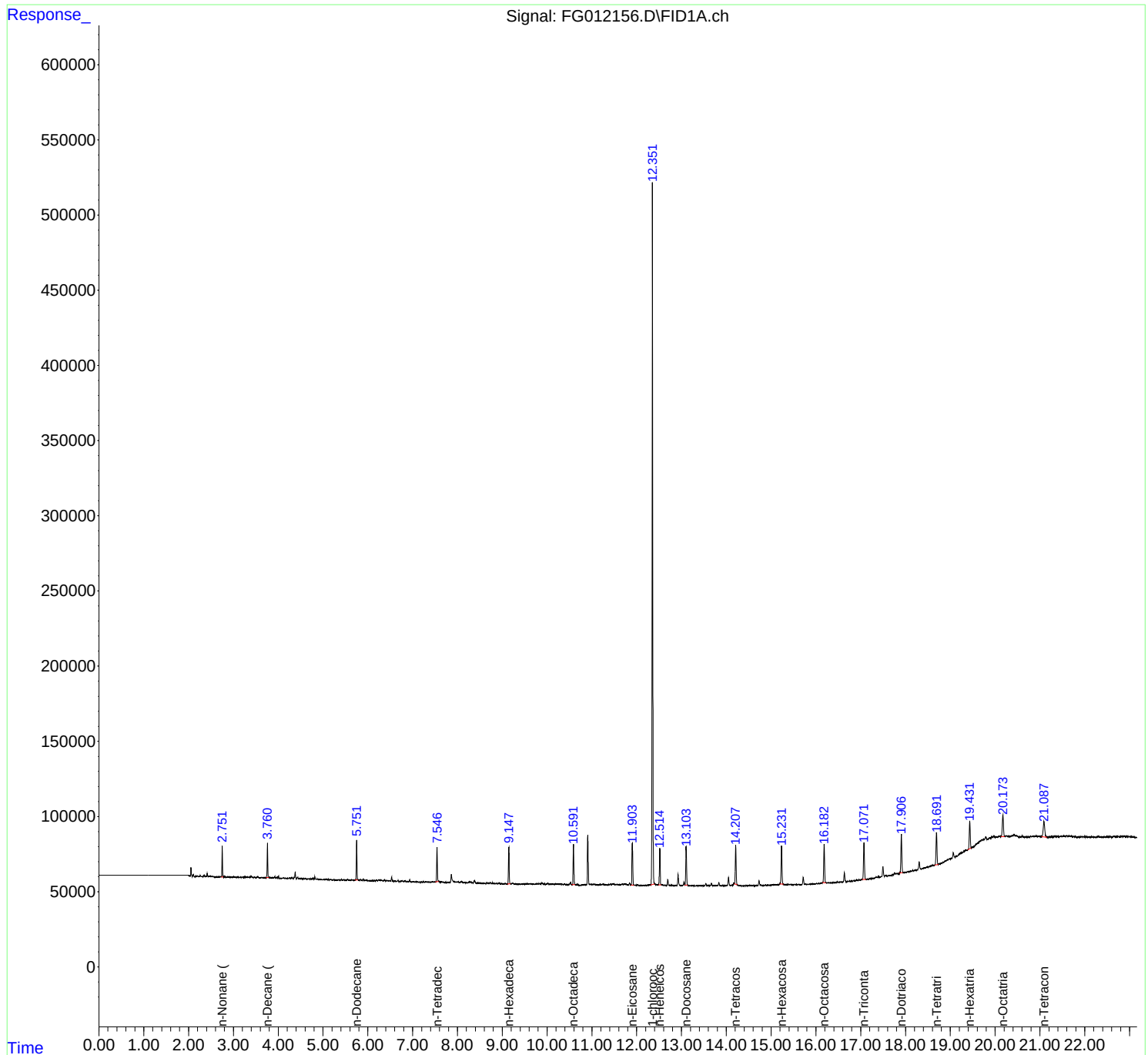
Instrument :
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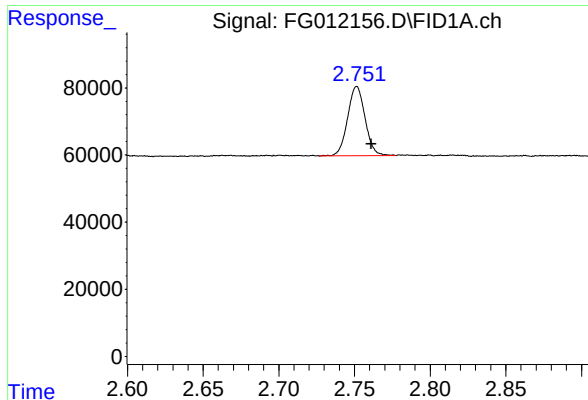
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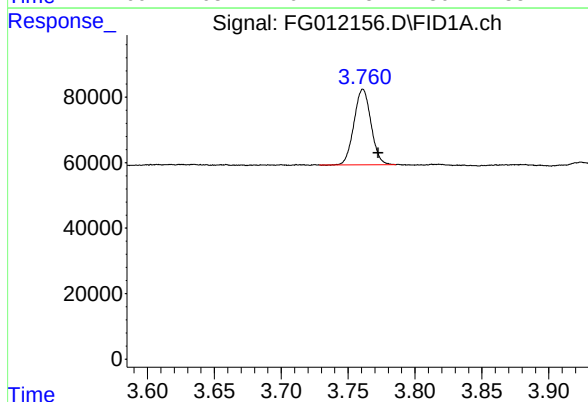
#1 n-Nonane (C9)

R.T.: 2.752 min
Delta R.T.: -0.009 min
Response: 165241
Conc: 1.44 ug/ml

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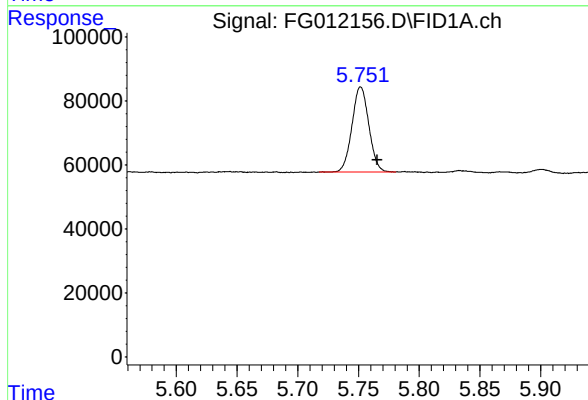
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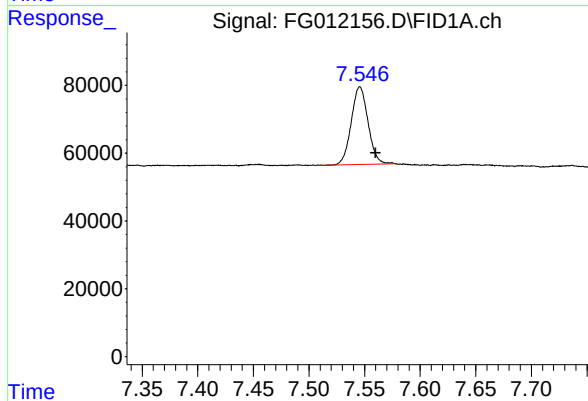
#2 n-Decane (C10)

R.T.: 3.761 min
Delta R.T.: -0.011 min
Response: 204809
Conc: 1.74 ug/ml



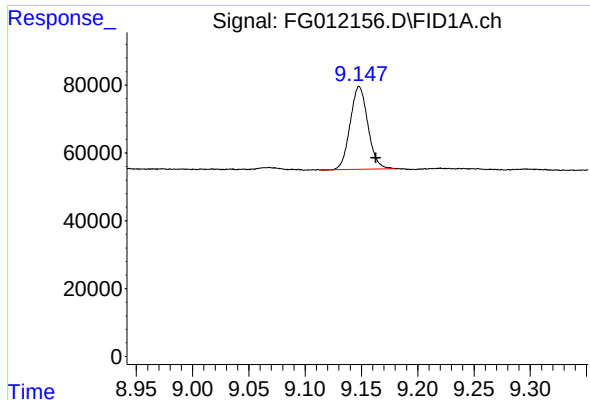
#4 n-Dodecane (C12)

R.T.: 5.752 min
Delta R.T.: -0.014 min
Response: 256945
Conc: 2.14 ug/ml



#6 n-Tetradecane (C14)

R.T.: 7.546 min
Delta R.T.: -0.014 min
Response: 240267
Conc: 1.98 ug/ml



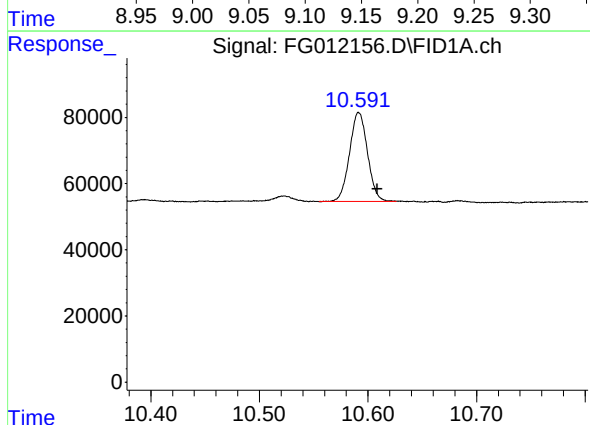
#7 n-Hexadecane (C16)

R.T.: 9.148 min
Delta R.T.: -0.015 min
Response: 267391
Conc: 2.06 ug/ml

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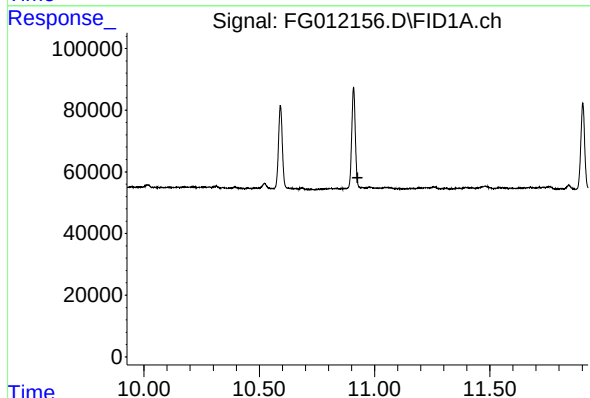
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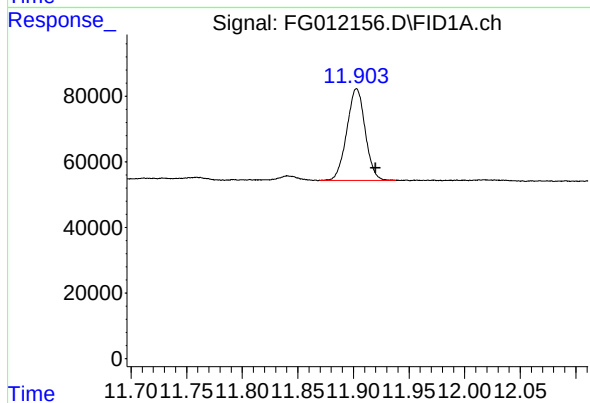
#8 n-Octadecane (C18)

R.T.: 10.592 min
Delta R.T.: -0.017 min
Response: 308471
Conc: 2.27 ug/ml



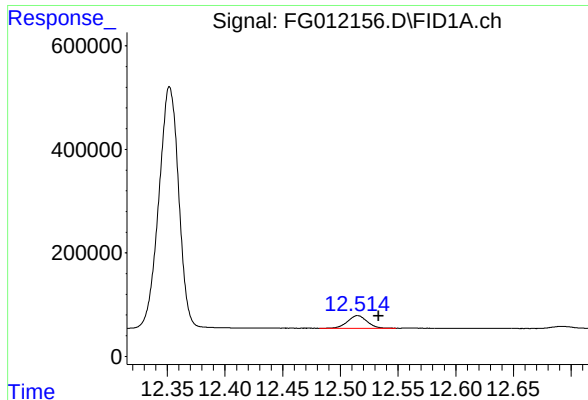
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 10.926 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 11.903 min
Delta R.T.: -0.017 min
Response: 320847
Conc: 2.38 ug/ml



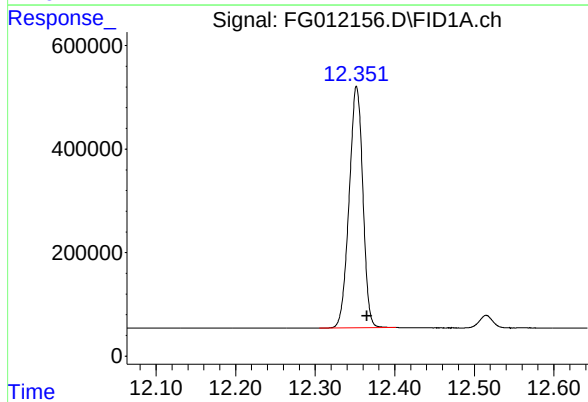
#11 n-Heneicosane (C21)

R.T.: 12.515 min
Delta R.T.: -0.018 min
Response: 282909
Conc: 2.10 ug/ml

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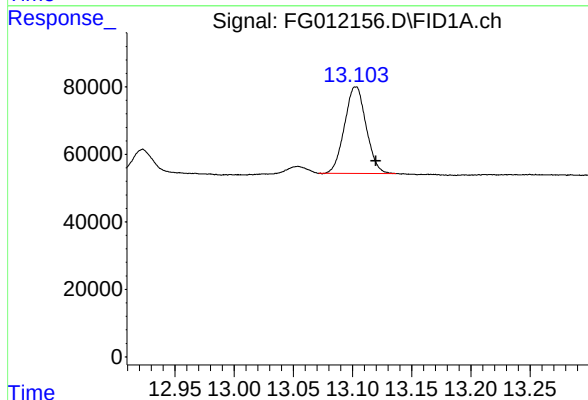
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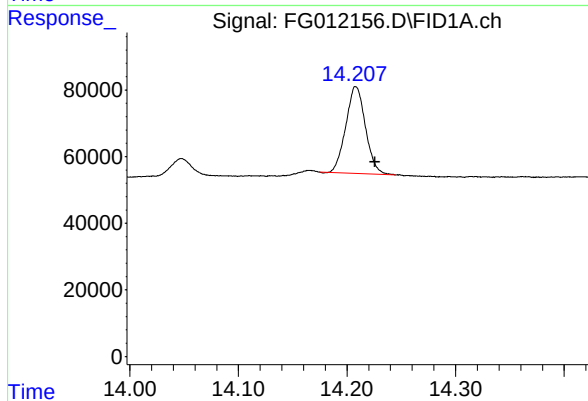
#12 1-chlorooctadecane (SURR)

R.T.: 12.352 min
Delta R.T.: -0.013 min
Response: 5578751
Conc: 47.05 ug/ml



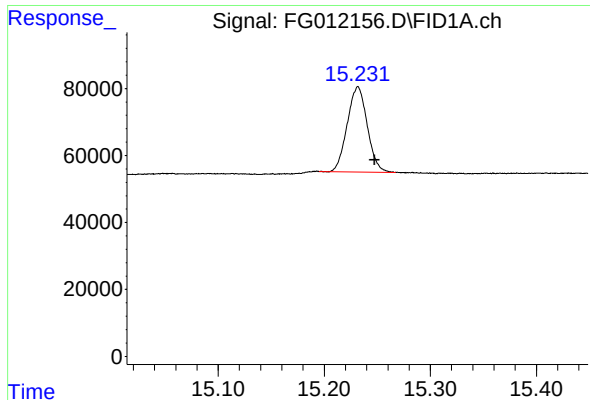
#13 n-Docosane (C22)

R.T.: 13.103 min
Delta R.T.: -0.017 min
Response: 326927
Conc: 2.42 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.208 min
Delta R.T.: -0.018 min
Response: 327738
Conc: 2.41 ug/ml



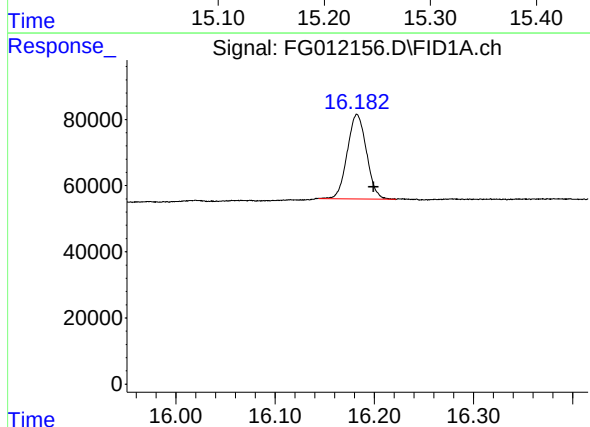
#15 n-Hexacosane (C26)

R.T.: 15.232 min
Delta R.T.: -0.016 min
Response: 333995
Conc: 2.50 ug/ml

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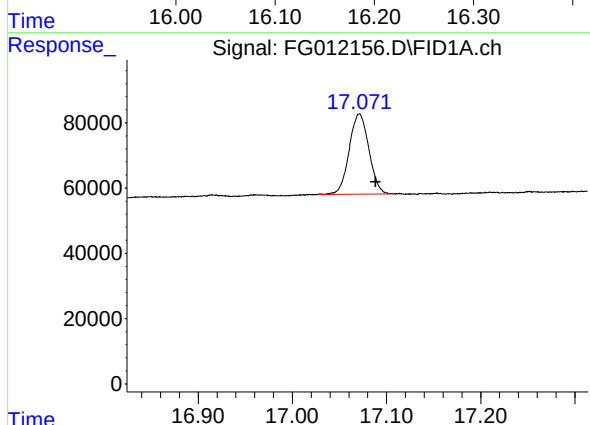
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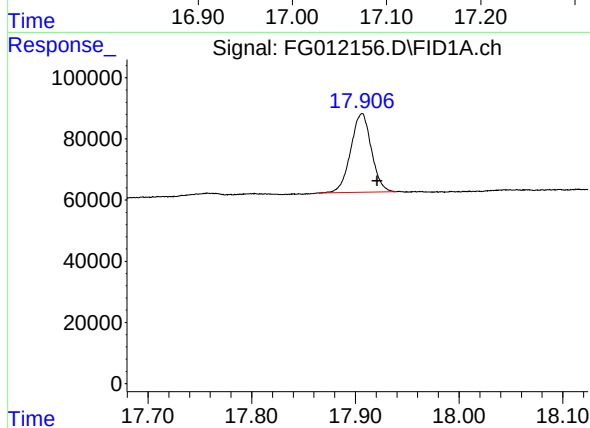
#16 n-Octacosane (C28)

R.T.: 16.183 min
Delta R.T.: -0.017 min
Response: 342313
Conc: 2.62 ug/ml



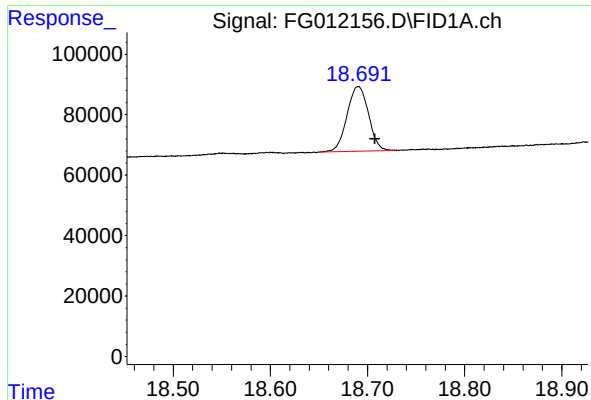
#17 n-Tricontane (C30)

R.T.: 17.071 min
Delta R.T.: -0.017 min
Response: 356802
Conc: 2.71 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 17.906 min
Delta R.T.: -0.015 min
Response: 357052
Conc: 2.78 ug/ml



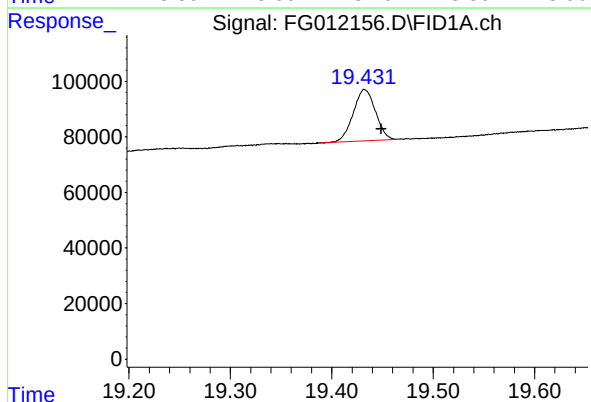
#19 n-Tetratriacontane (C34)

R.T.: 18.690 min
Delta R.T.: -0.017 min
Response: 327287
Conc: 2.67 ug/ml

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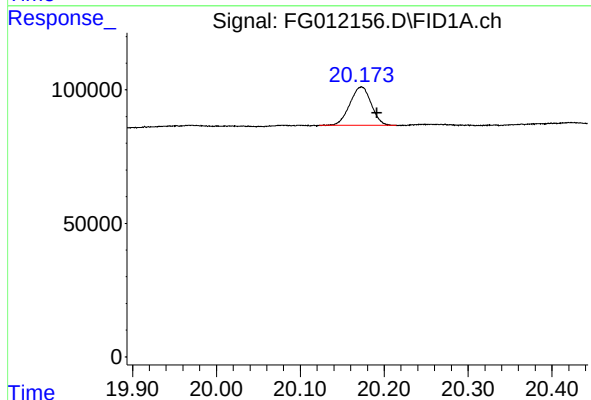
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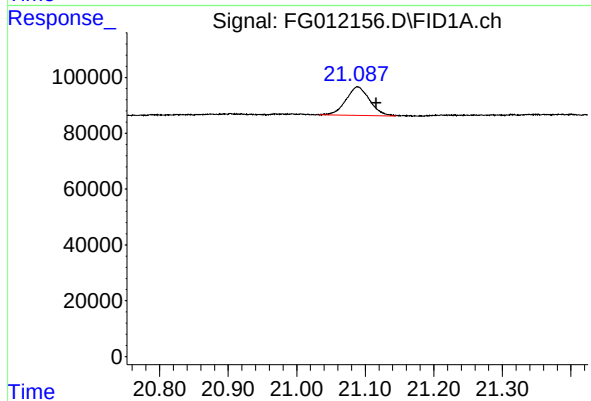
#20 n-Hexatriacontane (C36)

R.T.: 19.432 min
Delta R.T.: -0.016 min
Response: 279992
Conc: 2.41 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.173 min
Delta R.T.: -0.018 min
Response: 255396
Conc: 2.27 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.087 min
Delta R.T.: -0.029 min
Response: 243290
Conc: 2.26 ug/ml m