

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG080224AL\
 Data File : FG014037.D
 Signal(s) : FID1A.ch
 Acq On : 02 Aug 2024 13:03
 Operator : YP\AJ
 Sample : P3390-07
 Misc : 4 PPM WATER LOD
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/05/2024
 Supervised By :Ankita Jodhani 08/05/2024

Integration File: autoint1.e
 Quant Time: Aug 03 00:57:17 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 072924.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 30 04:02:26 2024
 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...	13.288	3651153	36.129 ug/ml
Spiked Amount 50.000		Recovery =	72.26%
Target Compounds			
1) T n-Nonane (C9)	3.217	275095	2.111 ug/ml
2) T n-Decane (C10)	4.467	327731	2.468 ug/ml
4) T n-Dodecane (C12)	6.639	470658	3.551 ug/ml
6) T n-Tetradecane (C14)	8.471	451226	3.478 ug/ml
7) T n-Hexadecane (C16)	10.082	393168	2.988 ug/ml
8) T n-Octadecane (C18)	11.528	421663	3.216 ug/ml
10) T n-Eicosane (C20)	12.841	424263	3.419 ug/ml
11) T n-Heneicosane (C21)	13.454	384450	3.168 ug/ml
13) T n-Docosane (C22)	14.043	405271	3.377 ug/ml
14) T n-Tetracosane (C24)	15.148	418466	3.530 ug/ml
15) T n-Hexacosane (C26)	16.173	403551	3.470 ug/ml
16) T n-Octacosane (C28)	17.124	413778	3.631 ug/ml
17) T n-Tricontane (C30)	18.013	459055	3.962 ug/ml
18) T n-Dotriacontane (C32)	18.848	511700	4.468 ug/mlm
19) T n-Tetratriacontane (C34)	19.635	447680	3.945 ug/ml
20) T n-Hexatriacontane (C36)	20.378	387890	3.464 ug/ml
21) T n-Octatriacontane (C38)	21.109	363326	3.140 ug/ml
22) T n-Tetracontane (C40)	22.007	279808	2.405 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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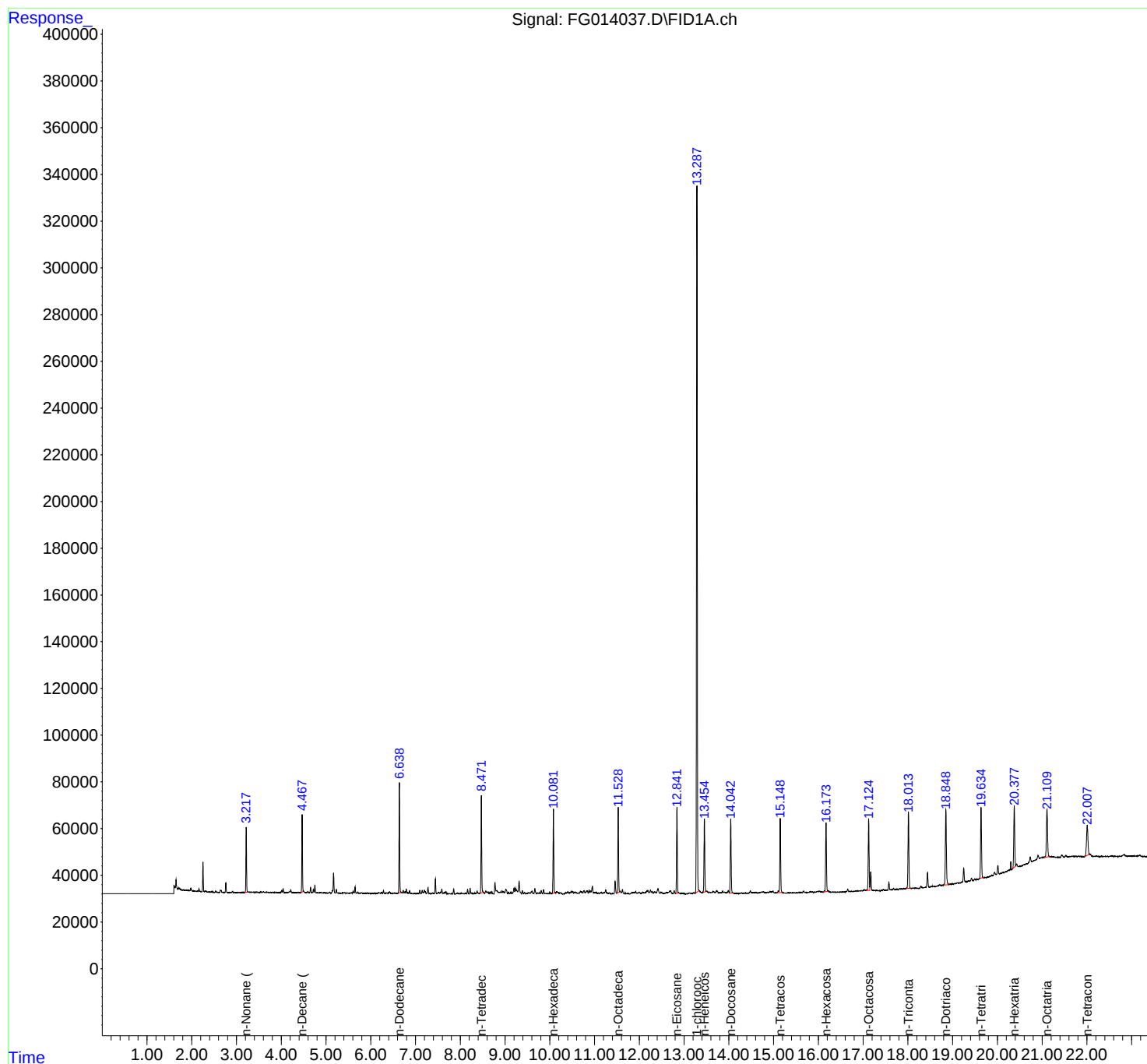
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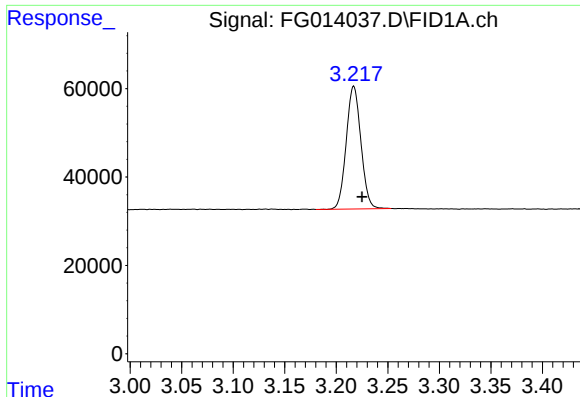
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#1 n-Nonane (C9)

R.T.: 3.217 min
Delta R.T.: -0.008 min
Response: 275095
Conc: 2.11 ug/ml

Instrument :

FID_G

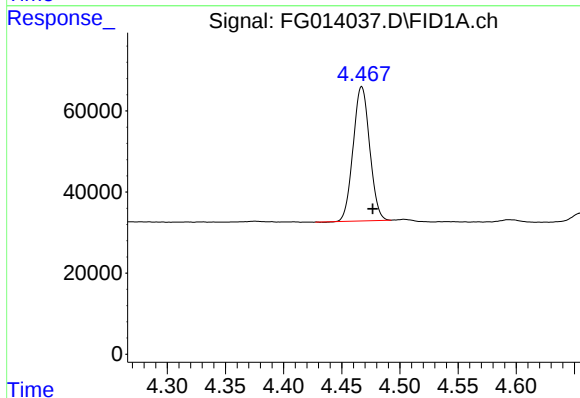
ClientSampleId :

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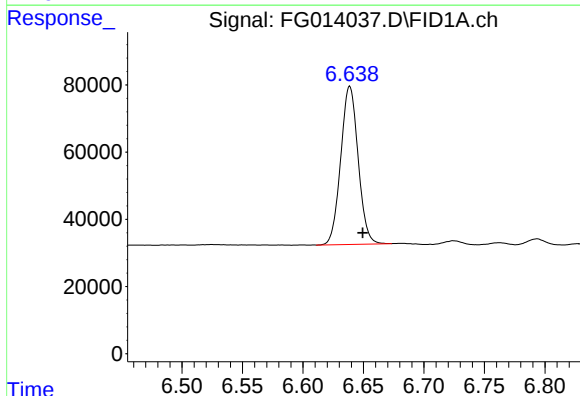
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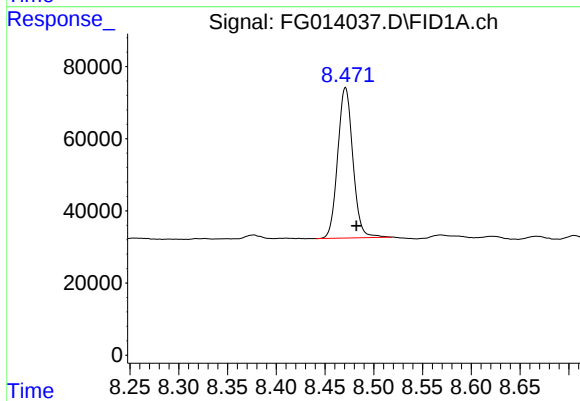
#2 n-Decane (C10)

R.T.: 4.467 min
Delta R.T.: -0.009 min
Response: 327731
Conc: 2.47 ug/ml



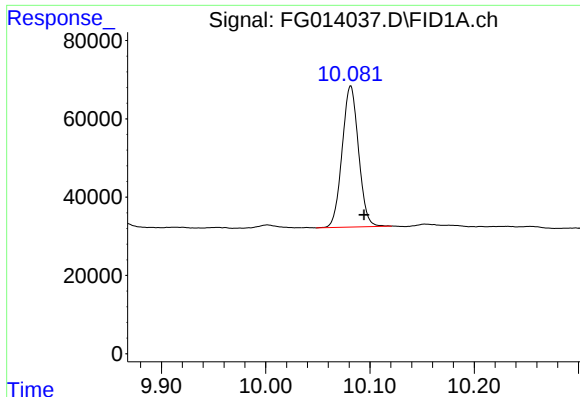
#4 n-Dodecane (C12)

R.T.: 6.639 min
Delta R.T.: -0.011 min
Response: 470658
Conc: 3.55 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.471 min
Delta R.T.: -0.011 min
Response: 451226
Conc: 3.48 ug/ml



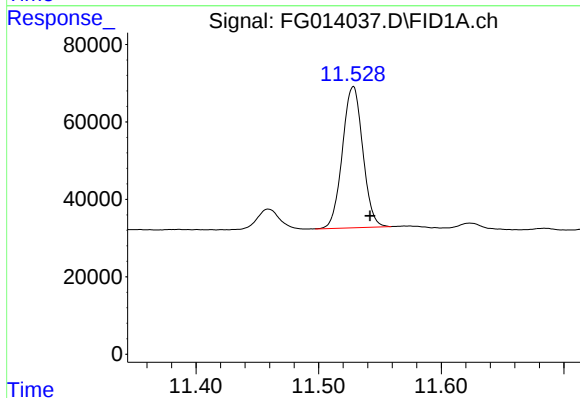
#7 n-Hexadecane (C16)

R.T.: 10.082 min
Delta R.T.: -0.013 min
Response: 393168
Conc: 2.99 ug/ml

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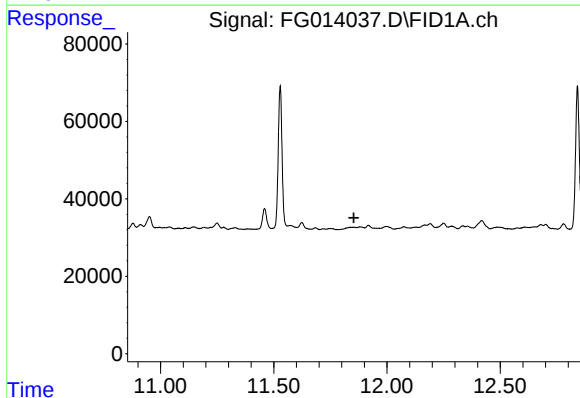
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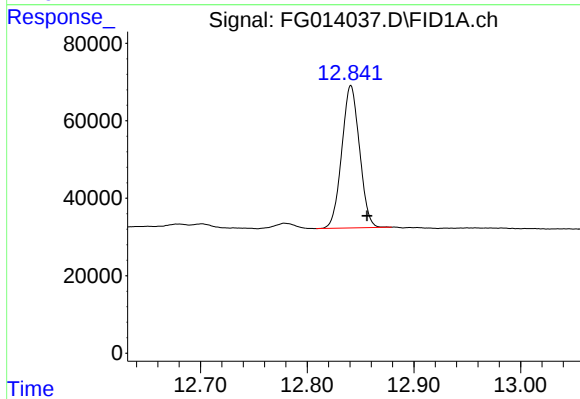
#8 n-Octadecane (C18)

R.T.: 11.528 min
Delta R.T.: -0.014 min
Response: 421663
Conc: 3.22 ug/ml



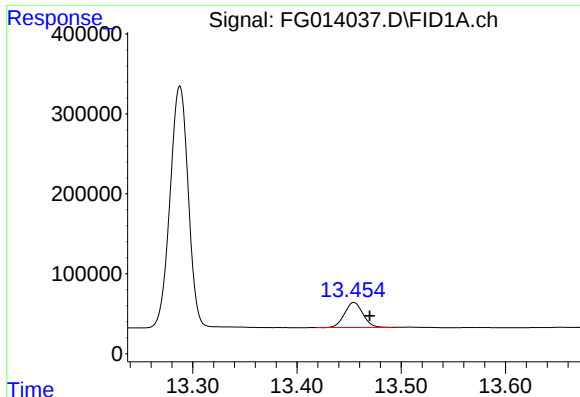
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.854 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.841 min
Delta R.T.: -0.015 min
Response: 424263
Conc: 3.42 ug/ml



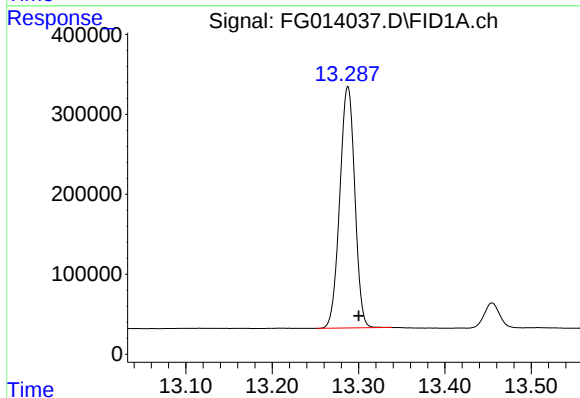
#11 n-Heneicosane (C21)

R.T.: 13.454 min
Delta R.T.: -0.016 min
Response: 384450
Conc: 3.17 ug/ml

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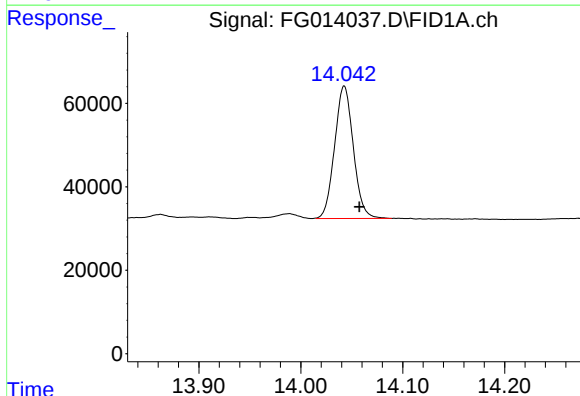
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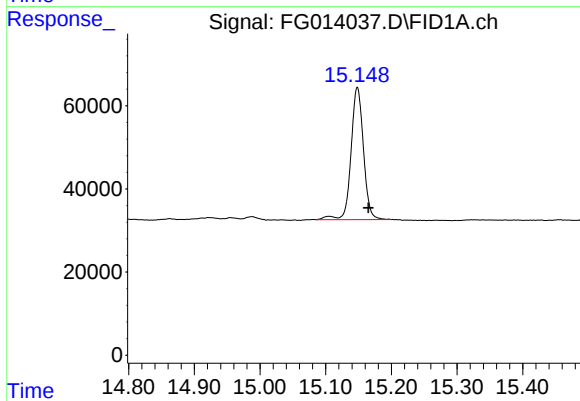
#12 1-chlorooctadecane (SURR)

R.T.: 13.288 min
Delta R.T.: -0.012 min
Response: 3651153
Conc: 36.13 ug/ml



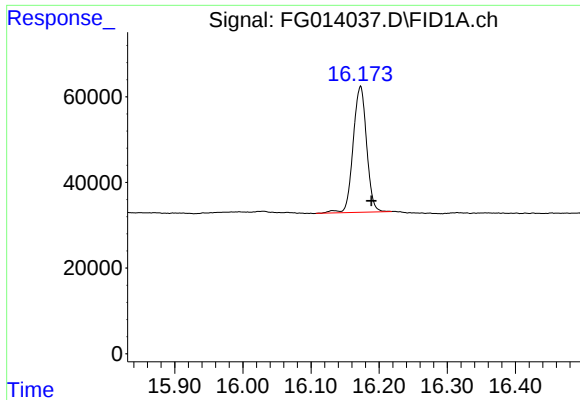
#13 n-Docosane (C22)

R.T.: 14.043 min
Delta R.T.: -0.015 min
Response: 405271
Conc: 3.38 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.148 min
Delta R.T.: -0.017 min
Response: 418466
Conc: 3.53 ug/ml



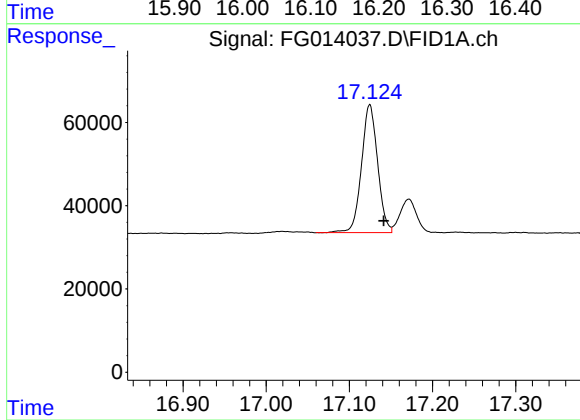
#15 n-Hexacosane (C26)

R.T.: 16.173 min
Delta R.T.: -0.016 min
Response: 403551
Conc: 3.47 ug/ml

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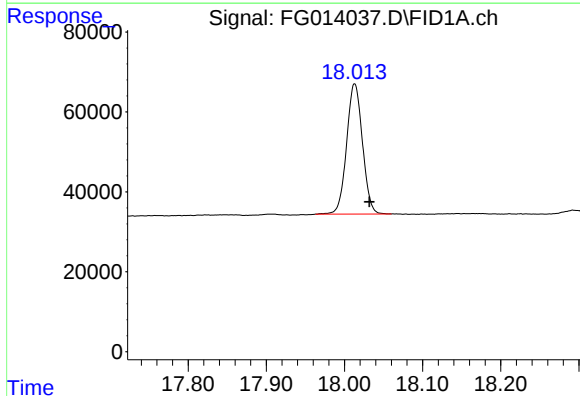
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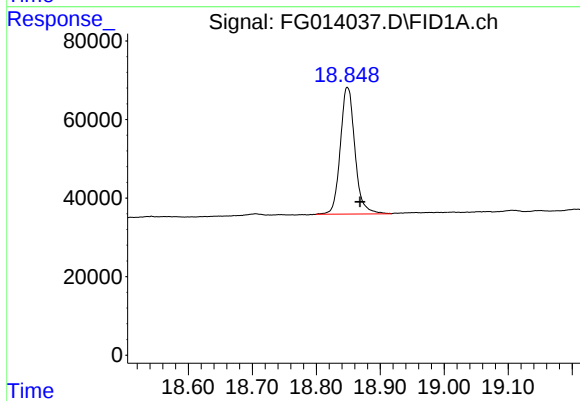
#16 n-Octacosane (C28)

R.T.: 17.124 min
Delta R.T.: -0.017 min
Response: 413778
Conc: 3.63 ug/ml



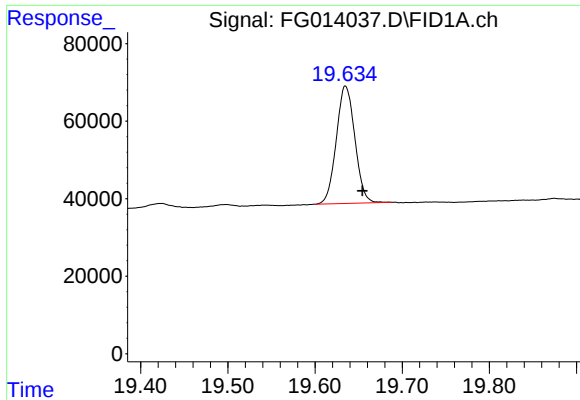
#17 n-Tricontane (C30)

R.T.: 18.013 min
Delta R.T.: -0.019 min
Response: 459055
Conc: 3.96 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.848 min
Delta R.T.: -0.021 min
Response: 511700
Conc: 4.47 ug/ml m



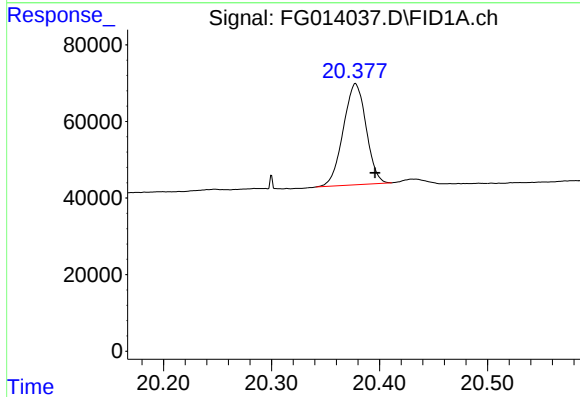
#19 n-Tetratriacontane (C34)

R.T.: 19.635 min
Delta R.T.: -0.019 min
Response: 447680
Conc: 3.95 ug/ml

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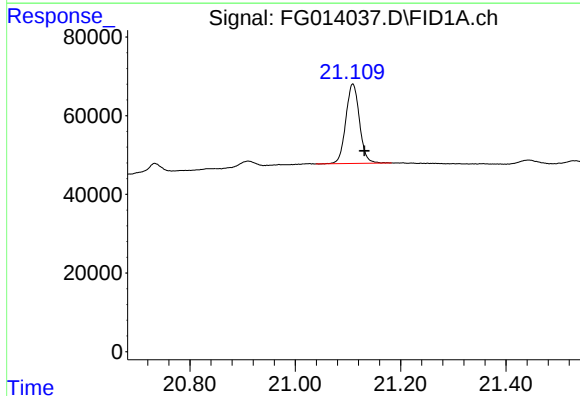
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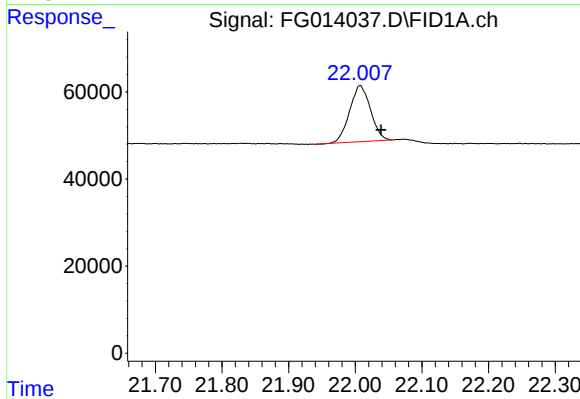
#20 n-Hexatriacontane (C36)

R.T.: 20.378 min
Delta R.T.: -0.018 min
Response: 387890
Conc: 3.46 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.109 min
Delta R.T.: -0.022 min
Response: 363326
Conc: 3.14 ug/ml



#22 n-Tetracontane (C40)

R.T.: 22.007 min
Delta R.T.: -0.031 min
Response: 279808
Conc: 2.40 ug/ml