

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG080224AL\
 Data File : FG014033.D
 Signal(s) : FID1A.ch
 Acq On : 02 Aug 2024 11:04
 Operator : YP\AJ
 Sample : P3390-01
 Misc : 2.5 PPM SOIL LOD
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 LOD-MDL-SOIL-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 00:56:49 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...	13.287	2971636	29.405 ug/ml
Spiked Amount 50.000		Recovery =	58.81%
Target Compounds			
1) T n-Nonane (C9)	3.218	164549	1.263 ug/ml
2) T n-Decane (C10)	4.468	200000	1.506 ug/ml
4) T n-Dodecane (C12)	6.639	306862	2.315 ug/ml
6) T n-Tetradecane (C14)	8.471	292582	2.255 ug/ml
7) T n-Hexadecane (C16)	10.082	237870	1.808 ug/ml
8) T n-Octadecane (C18)	11.528	255054	1.945 ug/ml
10) T n-Eicosane (C20)	12.840	261678	2.109 ug/ml
11) T n-Heneicosane (C21)	13.454	235110	1.938 ug/ml
13) T n-Docosane (C22)	14.043	250314	2.086 ug/ml
14) T n-Tetracosane (C24)	15.150	263220	2.220 ug/ml
15) T n-Hexacosane (C26)	16.174	243001	2.090 ug/ml
16) T n-Octacosane (C28)	17.125	266983	2.343 ug/ml
17) T n-Tricontane (C30)	18.015	306716	2.647 ug/ml
18) T n-Dotriacontane (C32)	18.848	355471	3.104 ug/mlm
19) T n-Tetratriacontane (C34)	19.634	297329	2.620 ug/ml
20) T n-Hexatriacontane (C36)	20.376	254854	2.276 ug/ml
21) T n-Octatriacontane (C38)	21.108	246596	2.131 ug/ml
22) T n-Tetracontane (C40)	22.006	190191	1.635 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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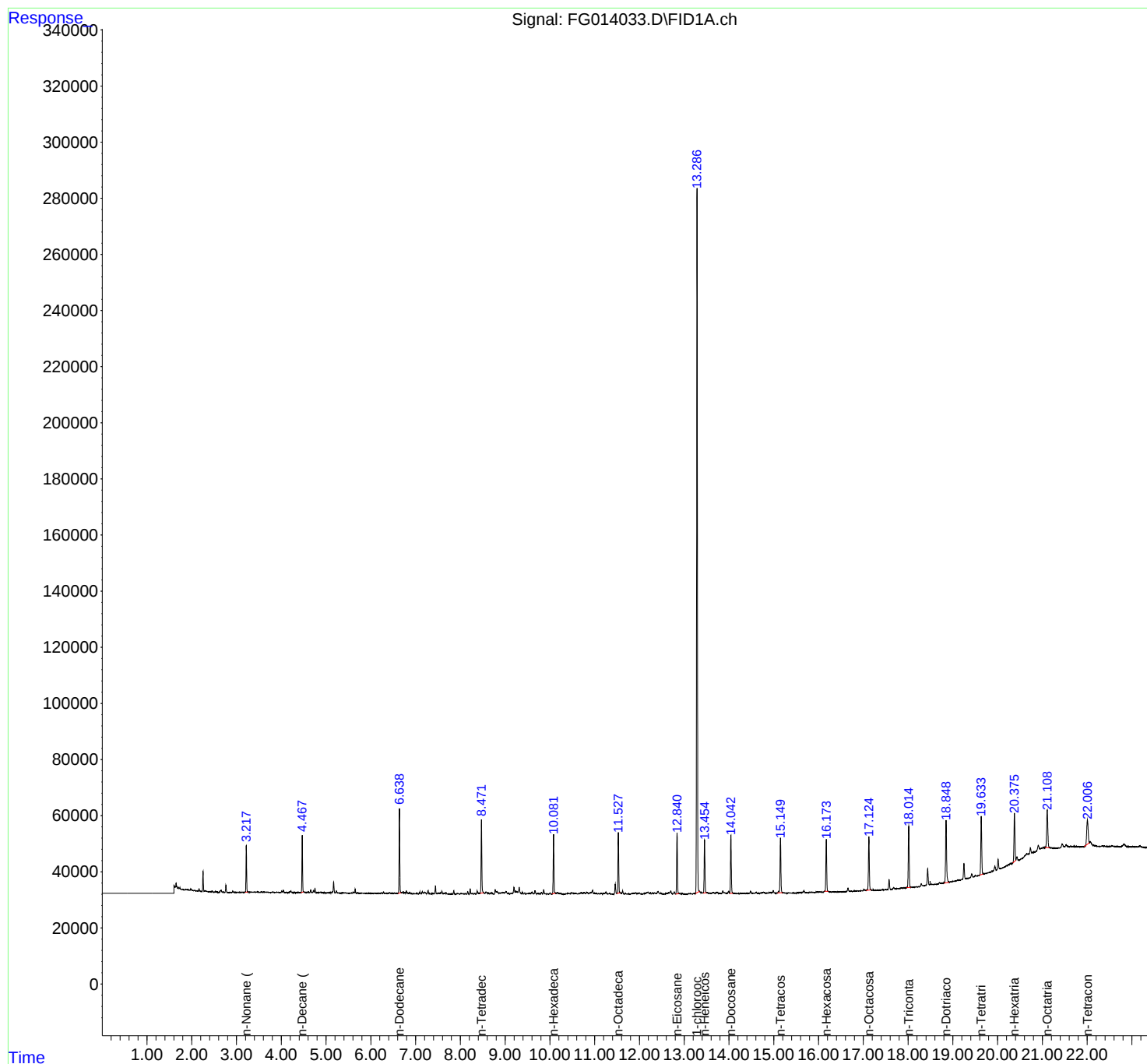
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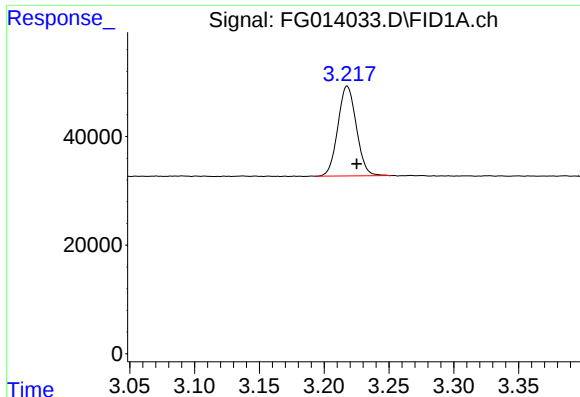
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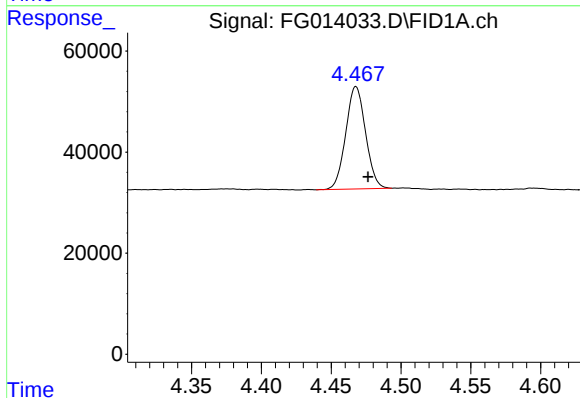
#1 n-Nonane (C9)

R.T.: 3.218 min
Delta R.T.: -0.007 min
Response: 164549
Conc: 1.26 ug/ml

Instrument :
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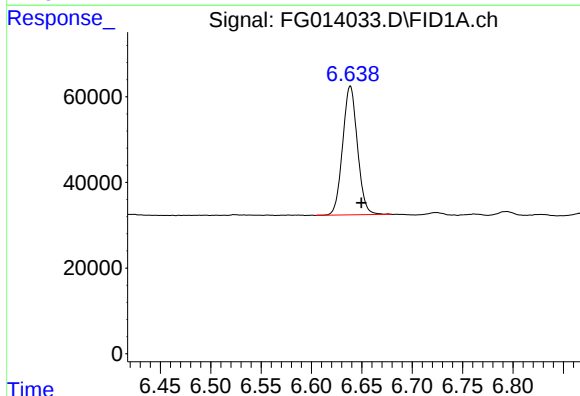
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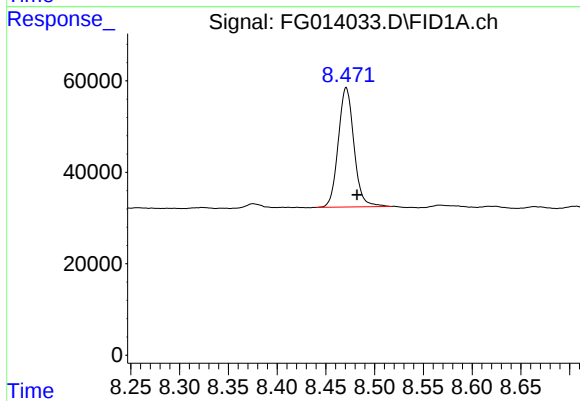
#2 n-Decane (C10)

R.T.: 4.468 min
Delta R.T.: -0.009 min
Response: 200000
Conc: 1.51 ug/ml



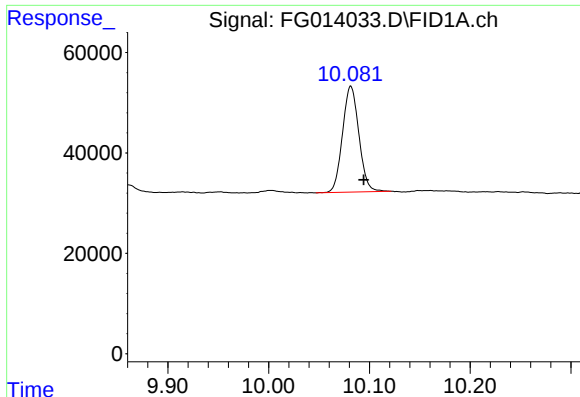
#4 n-Dodecane (C12)

R.T.: 6.639 min
Delta R.T.: -0.011 min
Response: 306862
Conc: 2.31 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.471 min
Delta R.T.: -0.011 min
Response: 292582
Conc: 2.26 ug/ml



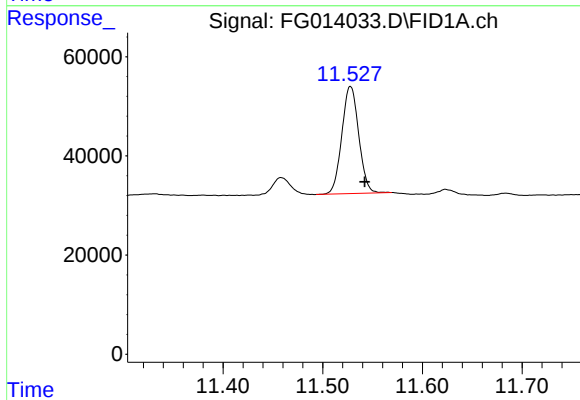
#7 n-Hexadecane (C16)

R.T.: 10.082 min
Delta R.T.: -0.013 min
Response: 237870
Conc: 1.81 ug/ml

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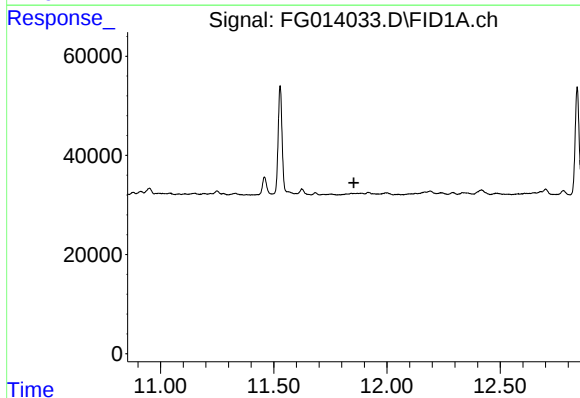
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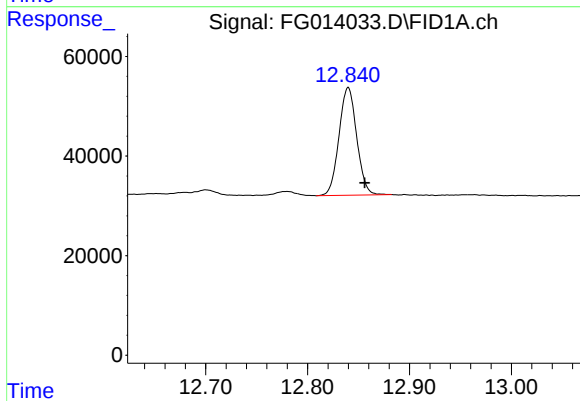
#8 n-Octadecane (C18)

R.T.: 11.528 min
Delta R.T.: -0.014 min
Response: 255054
Conc: 1.95 ug/ml



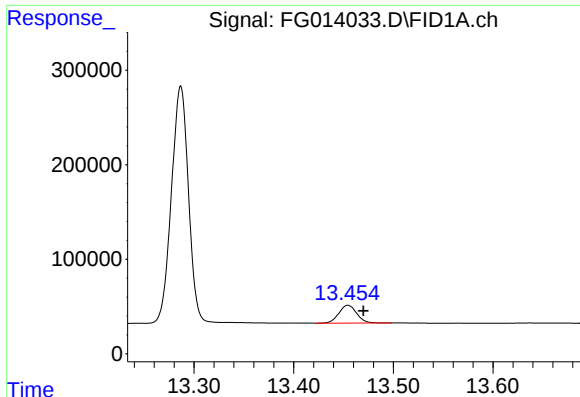
#9 ortho-Terphenyl (SURR)

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



#10 n-Eicosane (C20)

R.T.: 12.840 min
Delta R.T.: -0.016 min
Response: 261678
Conc: 2.11 ug/ml



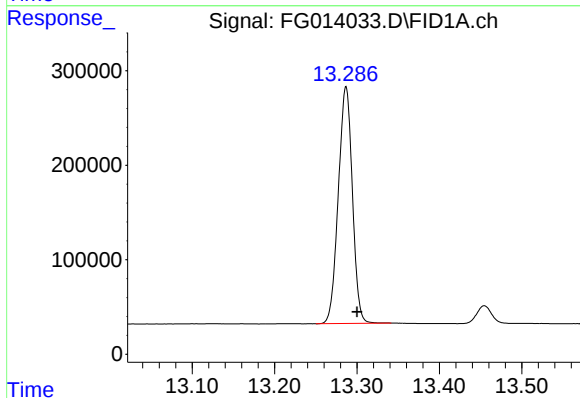
#11 n-Heneicosane (C21)

R.T.: 13.454 min
Delta R.T.: -0.016 min
Response: 235110
Conc: 1.94 ug/ml

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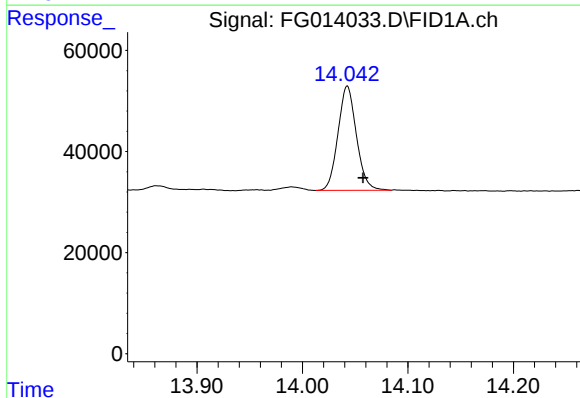
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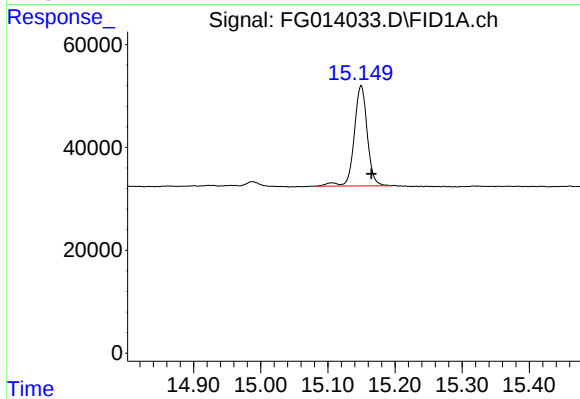
#12 1-chlorooctadecane (SURR)

R.T.: 13.287 min
Delta R.T.: -0.013 min
Response: 2971636
Conc: 29.40 ug/ml



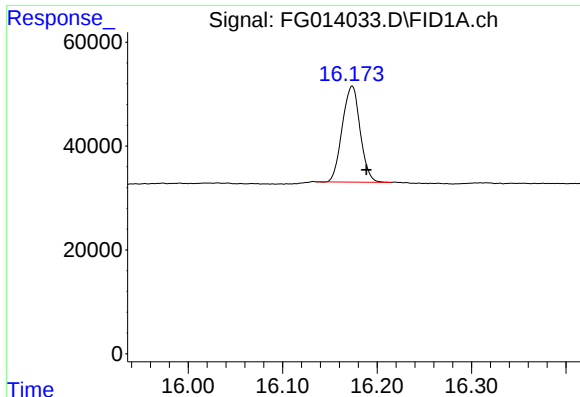
#13 n-Docosane (C22)

R.T.: 14.043 min
Delta R.T.: -0.015 min
Response: 250314
Conc: 2.09 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.150 min
Delta R.T.: -0.015 min
Response: 263220
Conc: 2.22 ug/ml



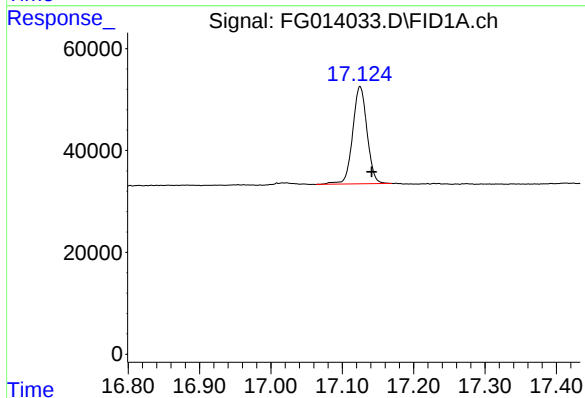
#15 n-Hexacosane (C26)

R.T.: 16.174 min
Delta R.T.: -0.015 min
Response: 243001
Conc: 2.09 ug/ml

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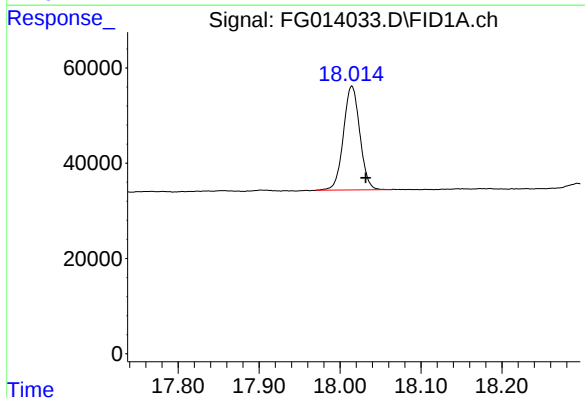
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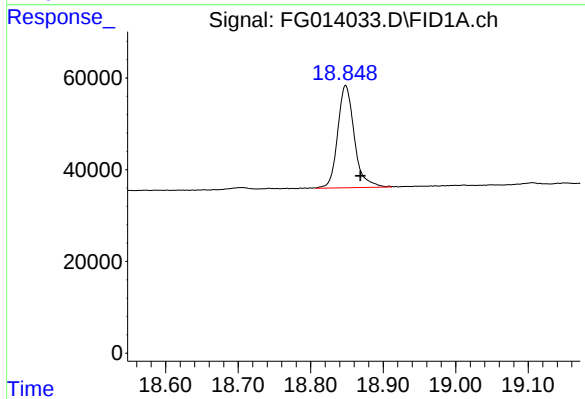
#16 n-Octacosane (C28)

R.T.: 17.125 min
Delta R.T.: -0.016 min
Response: 266983
Conc: 2.34 ug/ml



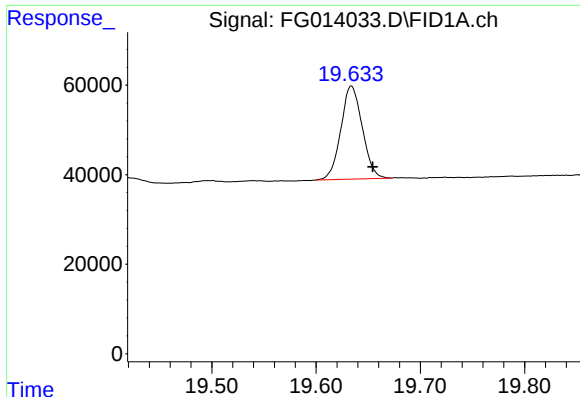
#17 n-Tricontane (C30)

R.T.: 18.015 min
Delta R.T.: -0.017 min
Response: 306716
Conc: 2.65 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.848 min
Delta R.T.: -0.021 min
Response: 355471
Conc: 3.10 ug/ml m



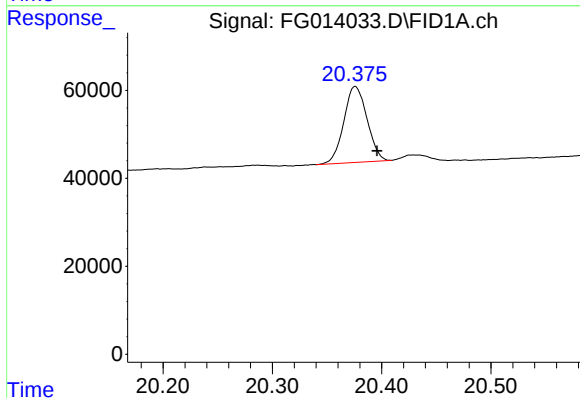
#19 n-Tetratriacontane (C34)

R.T.: 19.634 min
Delta R.T.: -0.020 min
Response: 297329
Conc: 2.62 ug/ml

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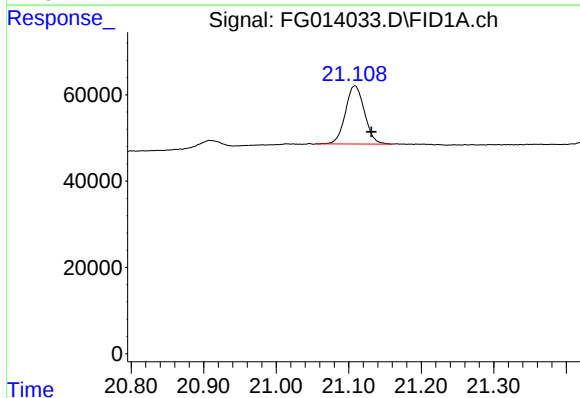
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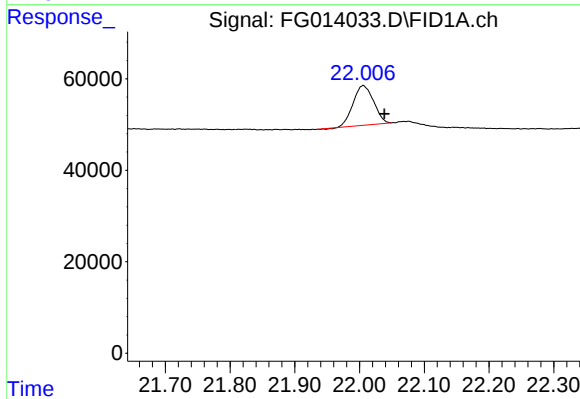
#20 n-Hexatriacontane (C36)

R.T.: 20.376 min
Delta R.T.: -0.020 min
Response: 254854
Conc: 2.28 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.108 min
Delta R.T.: -0.023 min
Response: 246596
Conc: 2.13 ug/ml



#22 n-Tetracontane (C40)

R.T.: 22.006 min
Delta R.T.: -0.033 min
Response: 190191
Conc: 1.63 ug/ml