

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG012925AL\
 Data File : FG015211.D
 Signal(s) : FID1A.ch
 Acq On : 29 Jan 2025 09:48
 Operator : YP\AJ
 Sample : Q1168-07
 Misc : 2.5 PPM WATER LOD
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :Ankita Jodhani 01/30/2025

Integration File: autoint1.e
 Quant Time: Jan 30 03:43:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 011425.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 14 11:45:29 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			
12) S 1-chlorooctadecane (S...	13.385	4178138	34.314 ug/ml
Spiked Amount 50.000		Recovery =	68.63%
Target Compounds			
1) T n-Nonane (C9)	3.280	177160	1.365 ug/ml
2) T n-Decane (C10)	4.540	211729	1.593 ug/ml
4) T n-Dodecane (C12)	6.718	279614	2.057 ug/ml
6) T n-Tetradecane (C14)	8.555	267736	1.947 ug/ml
7) T n-Hexadecane (C16)	10.170	255869	1.766 ug/ml
8) T n-Octadecane (C18)	11.620	276687	1.862 ug/ml
10) T n-Eicosane (C20)	12.936	277165	1.931 ug/ml
11) T n-Heneicosane (C21)	13.550	263090	1.861 ug/ml
13) T n-Docosane (C22)	14.138	272654	1.939 ug/ml
14) T n-Tetracosane (C24)	15.247	282832	2.032 ug/mlm
15) T n-Hexacosane (C26)	16.271	284145	2.098 ug/ml
16) T n-Octacosane (C28)	17.224	290518	2.208 ug/ml
17) T n-Tricontane (C30)	18.115	305191	2.301 ug/ml
18) T n-Dotriacontane (C32)	18.949	306238	2.428 ug/ml
19) T n-Tetratriacontane (C34)	19.734	273535	2.512 ug/ml
20) T n-Hexatriacontane (C36)	20.476	246010	2.635 ug/ml
21) T n-Octatriacontane (C38)	21.226	230459	2.626 ug/ml
22) T n-Tetracontane (C40)	22.163	199319	2.351 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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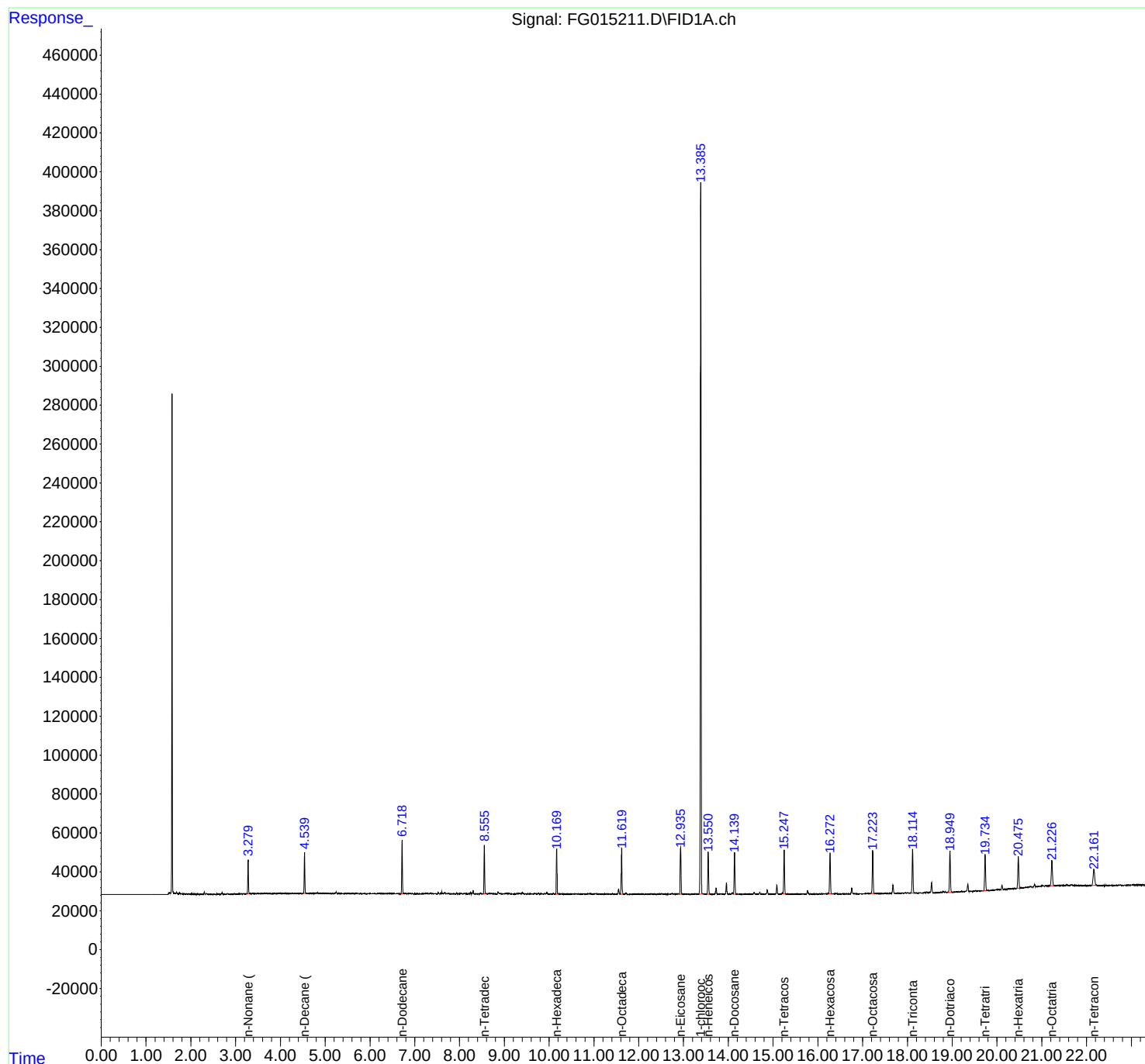
Instrument :
FID_G
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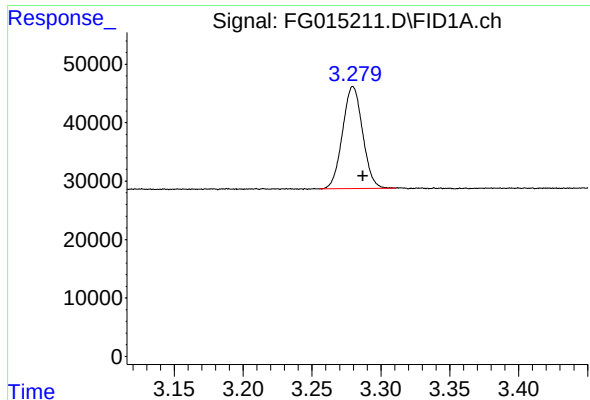
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Signal Info : 20M x 0.18mm x 0.18um





#1 n-Nonane (C9)

R.T.: 3.280 min
Delta R.T.: -0.007 min
Response: 177160
Conc: 1.36 ug/ml

Instrument :

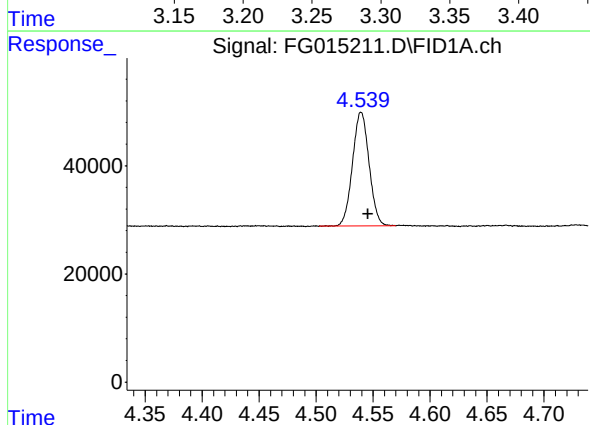
FID_G

ClientSampleId :

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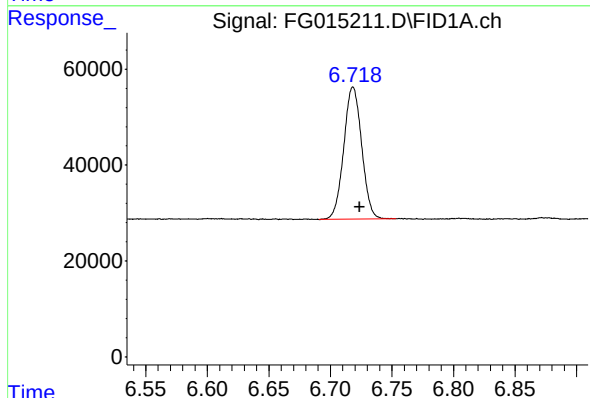
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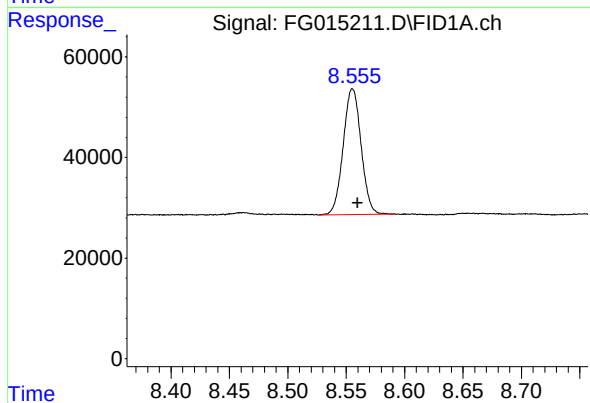
#2 n-Decane (C10)

R.T.: 4.540 min
Delta R.T.: -0.006 min
Response: 211729
Conc: 1.59 ug/ml



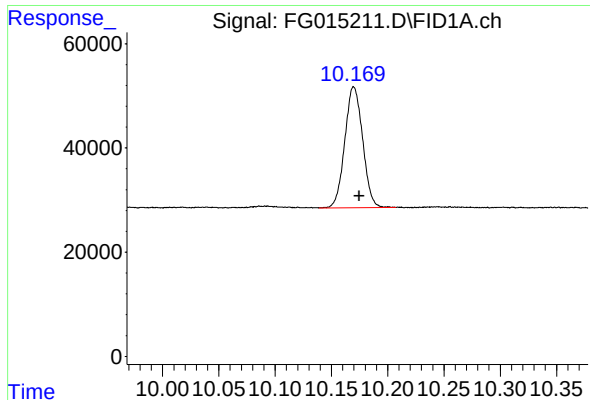
#4 n-Dodecane (C12)

R.T.: 6.718 min
Delta R.T.: -0.005 min
Response: 279614
Conc: 2.06 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.555 min
Delta R.T.: -0.004 min
Response: 267736
Conc: 1.95 ug/ml



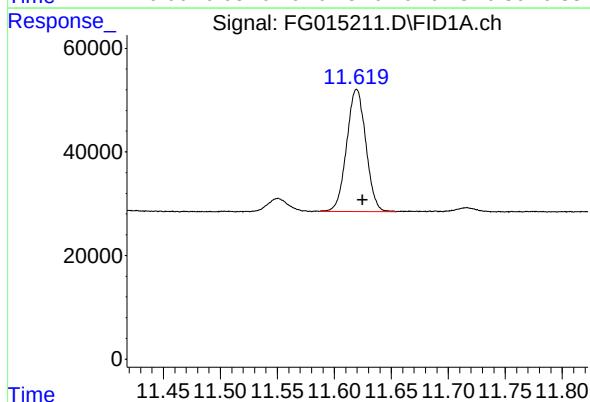
#7 n-Hexadecane (C16)

R.T.: 10.170 min
Delta R.T.: -0.005 min
Response: 255869
Conc: 1.77 ug/ml

Instrument : FID_G
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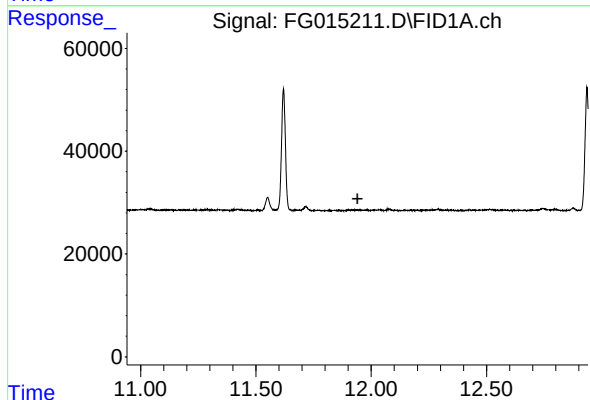
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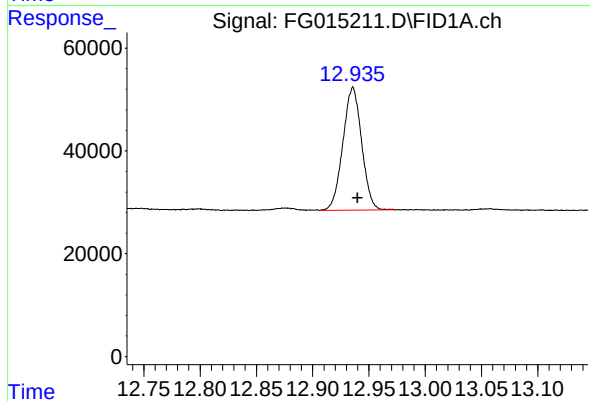
#8 n-Octadecane (C18)

R.T.: 11.620 min
Delta R.T.: -0.005 min
Response: 276687
Conc: 1.86 ug/ml



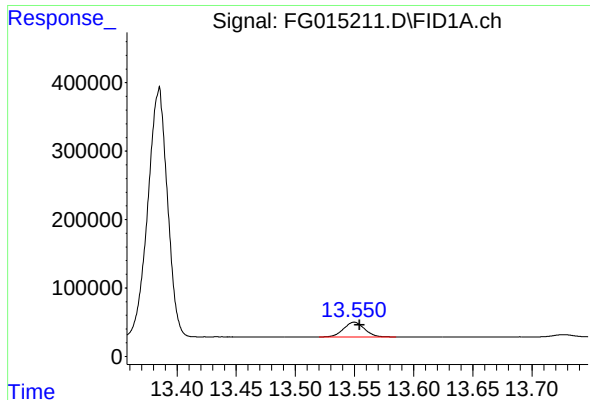
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.940 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.936 min
Delta R.T.: -0.004 min
Response: 277165
Conc: 1.93 ug/ml



#11 n-Heneicosane (C21)

R.T.: 13.550 min
Delta R.T.: -0.005 min
Response: 263090
Conc: 1.86 ug/ml

Instrument :

FID_G

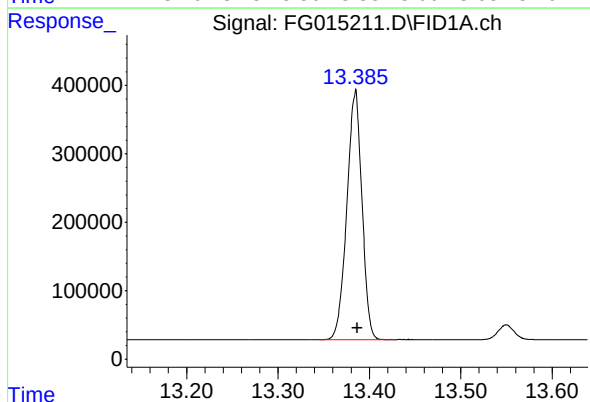
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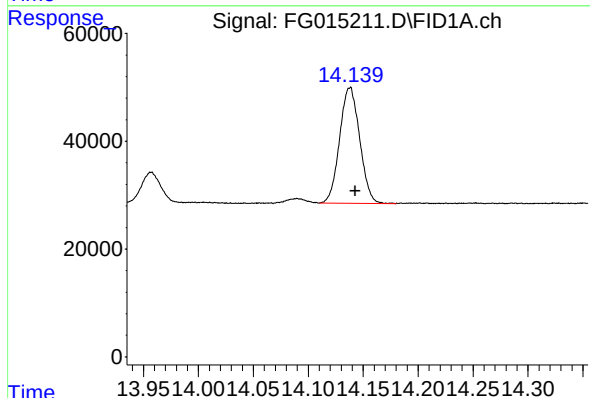
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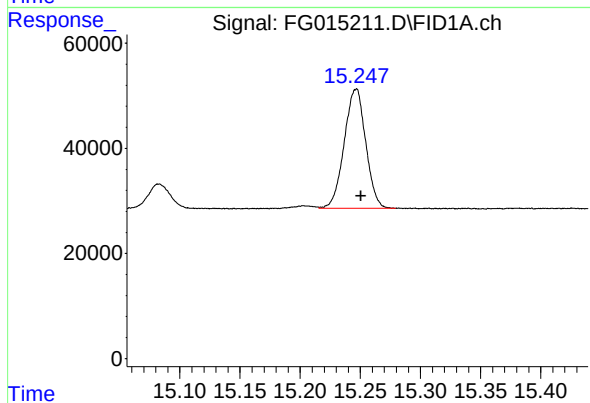
#12 1-chlorooctadecane (SURR)

R.T.: 13.385 min
Delta R.T.: -0.002 min
Response: 4178138
Conc: 34.31 ug/ml



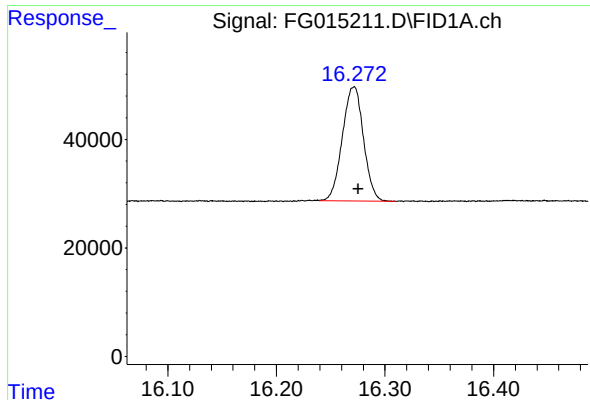
#13 n-Docosane (C22)

R.T.: 14.138 min
Delta R.T.: -0.005 min
Response: 272654
Conc: 1.94 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.247 min
Delta R.T.: -0.004 min
Response: 282832
Conc: 2.03 ug/ml m



#15 n-Hexacosane (C26)

R.T.: 16.271 min
Delta R.T.: -0.004 min
Response: 284145
Conc: 2.10 ug/ml

Instrument :

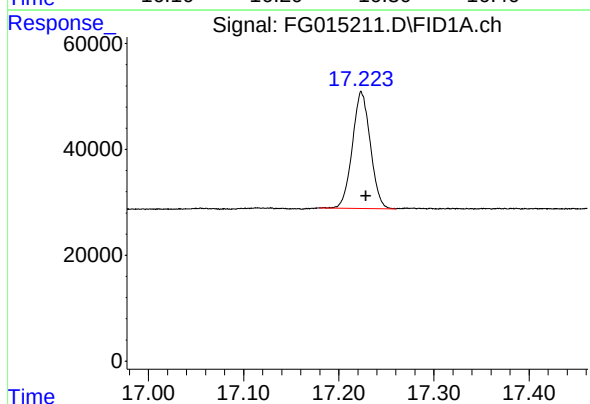
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ClientSampleId :

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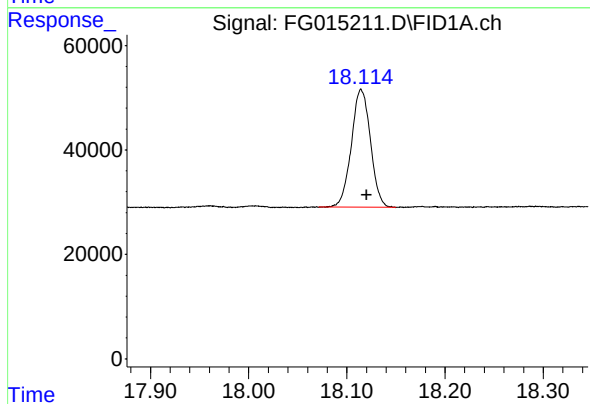
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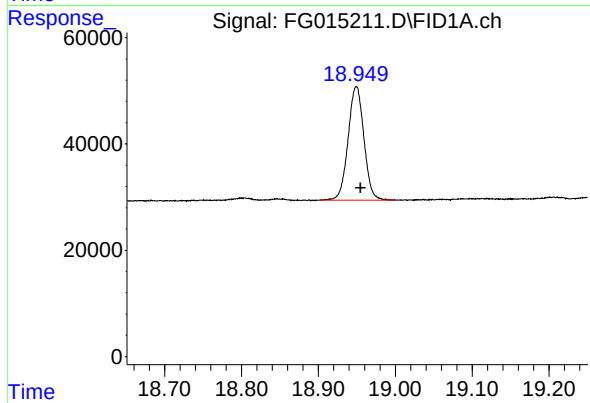
#16 n-Octacosane (C28)

R.T.: 17.224 min
Delta R.T.: -0.005 min
Response: 290518
Conc: 2.21 ug/ml



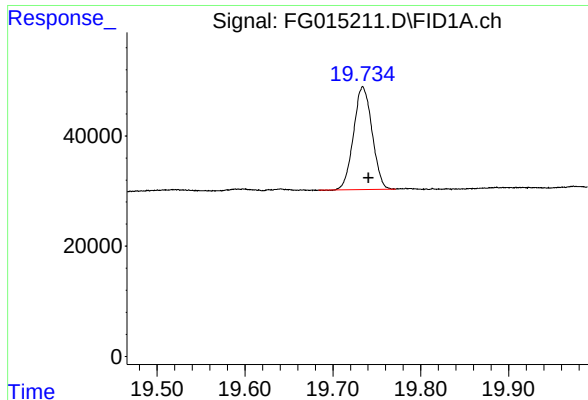
#17 n-Tricontane (C30)

R.T.: 18.115 min
Delta R.T.: -0.006 min
Response: 305191
Conc: 2.30 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.949 min
Delta R.T.: -0.006 min
Response: 306238
Conc: 2.43 ug/ml



#19 n-Tetratriacontane (C34)

R.T.: 19.734 min
Delta R.T.: -0.007 min
Response: 273535
Conc: 2.51 ug/ml

Instrument :

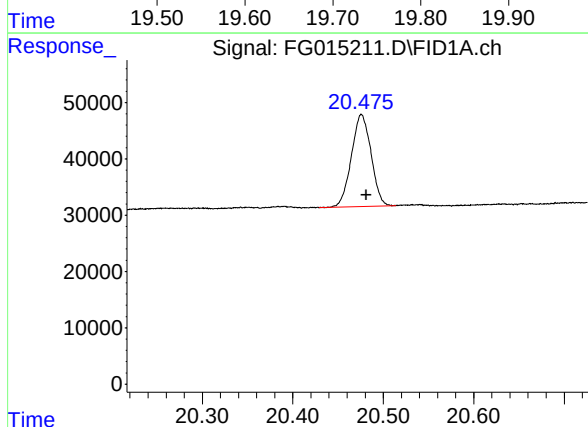
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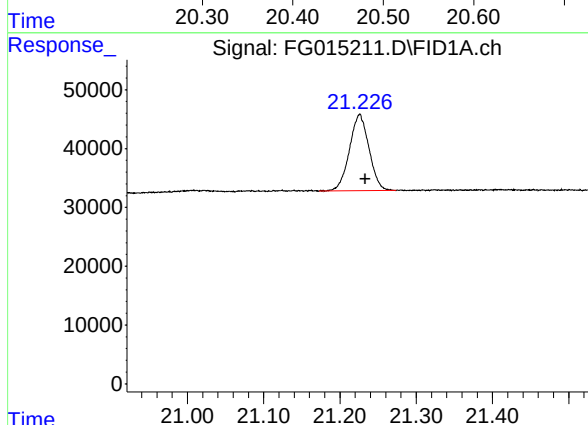
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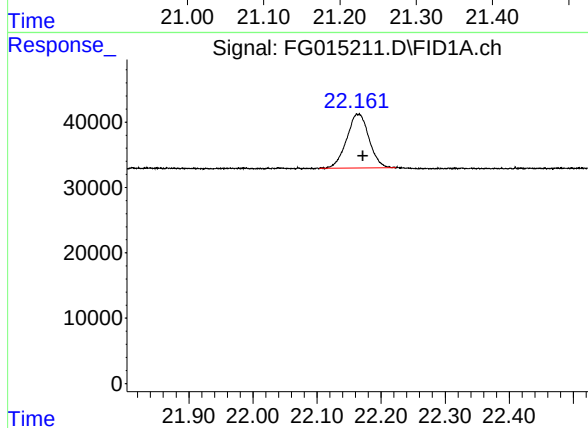
#20 n-Hexatriacontane (C36)

R.T.: 20.476 min
Delta R.T.: -0.006 min
Response: 246010
Conc: 2.64 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.226 min
Delta R.T.: -0.007 min
Response: 230459
Conc: 2.63 ug/ml



#22 n-Tetracontane (C40)

R.T.: 22.163 min
Delta R.T.: -0.009 min
Response: 199319
Conc: 2.35 ug/ml