

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061625AL\
 Data File : FG016099.D
 Signal(s) : FID1A.ch
 Acq On : 16 Jun 2025 14:32
 Operator : YP\AJ
 Sample : Q2126-08
 Misc : 5 PPM WATER LOQ
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 LOQ-WATER-02-QT2-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/17/2025
 Supervised By :mohammad ahmed 06/18/2025

Integration File: autoint1.e
 Quant Time: Jun 17 05:01:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 16 06:52:22 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...	13.537	5130668	50.917 ug/ml
Spiked Amount 50.000		Recovery =	101.83%
Target Compounds			
1) T n-Nonane (C9)	3.420	302179	2.793 ug/ml
2) T n-Decane (C10)	4.679	372326	3.394 ug/ml
4) T n-Dodecane (C12)	6.856	428272	3.889 ug/ml
6) T n-Tetradecane (C14)	8.695	465591	4.240 ug/ml
7) T n-Hexadecane (C16)	10.313	448474	3.940 ug/ml
8) T n-Octadecane (C18)	11.766	481459	4.136 ug/ml
10) T n-Eicosane (C20)	13.086	515739	4.532 ug/ml
11) T n-Heneicosane (C21)	13.701	495087	4.373 ug/ml
13) T n-Docosane (C22)	14.291	512814	4.511 ug/ml
14) T n-Tetracosane (C24)	15.399	520698	4.516 ug/mlm
15) T n-Hexacosane (C26)	16.427	520190	4.520 ug/mlm
16) T n-Octacosane (C28)	17.383	538040	4.741 ug/ml
17) T n-Tricontane (C30)	18.275	593322	5.182 ug/ml
18) T n-Dotriacontane (C32)	19.112	603124	5.532 ug/ml
19) T n-Tetratriacontane (C34)	19.899	558240	5.643 ug/ml
20) T n-Hexatriacontane (C36)	20.642	495580	5.839 ug/ml
21) T n-Octatriacontane (C38)	21.430	443728	5.878 ug/ml
22) T n-Tetracontane (C40)	22.432	403322	5.833 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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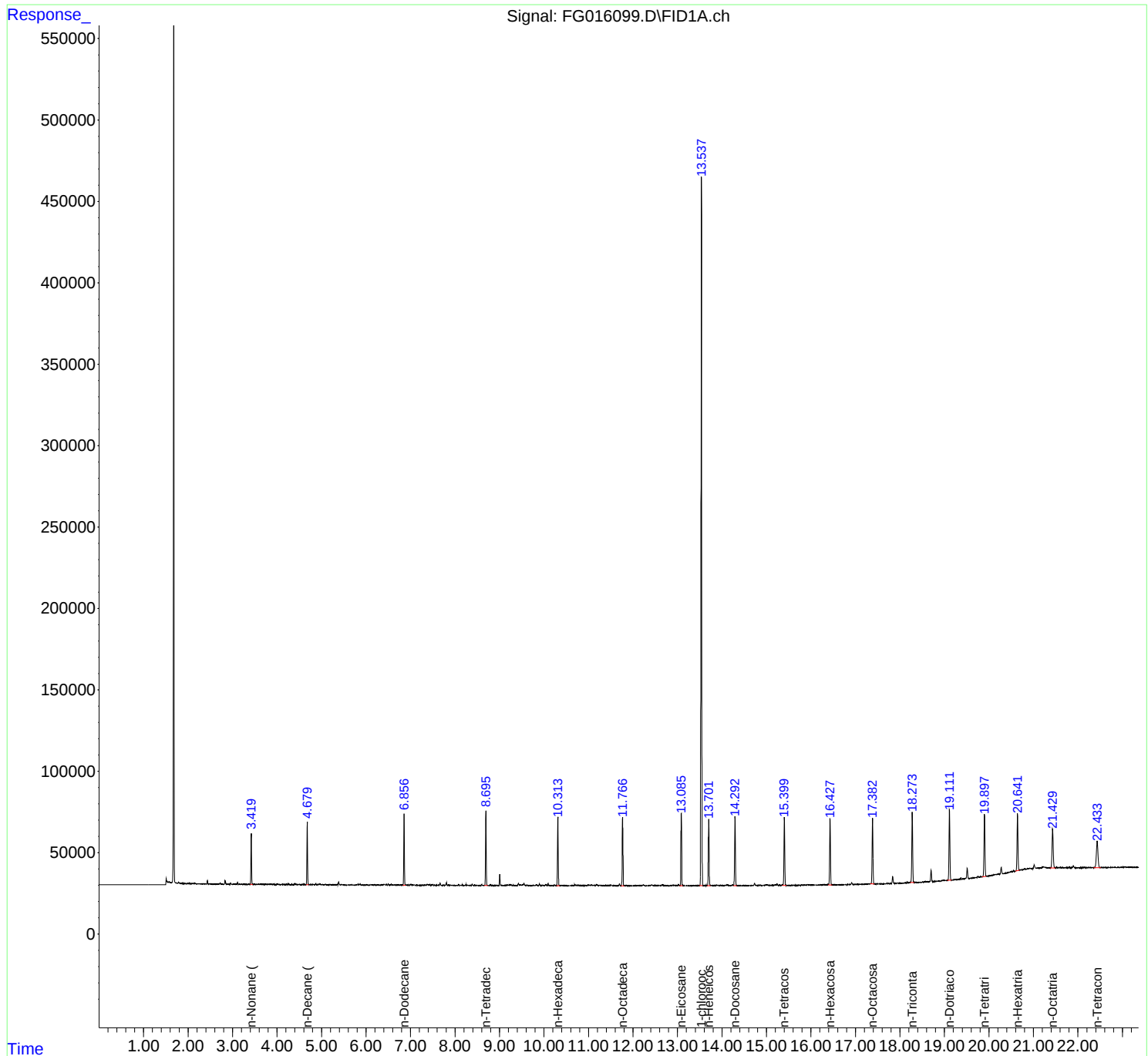
Instrument :
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ClientSampleId :
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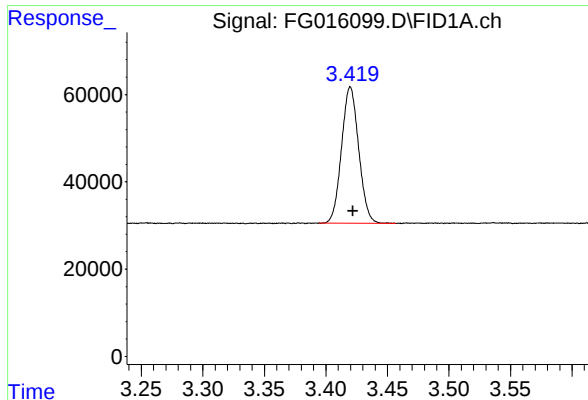
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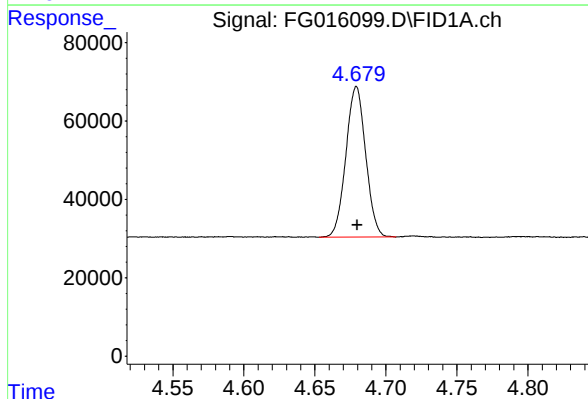
#1 n-Nonane (C9)

R.T.: 3.420 min
Delta R.T.: -0.002 min
Response: 302179
Conc: 2.79 ug/ml

Instrument : FID_G
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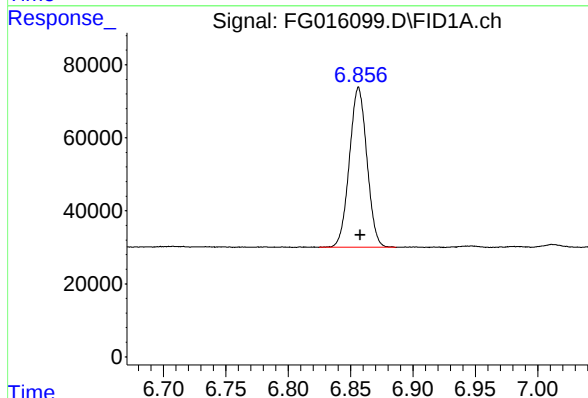
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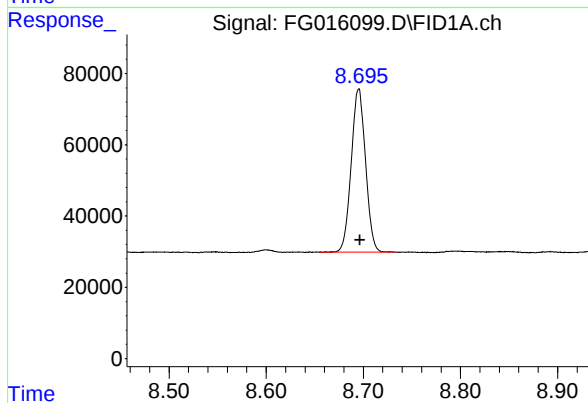
#2 n-Decane (C10)

R.T.: 4.679 min
Delta R.T.: 0.000 min
Response: 372326
Conc: 3.39 ug/ml



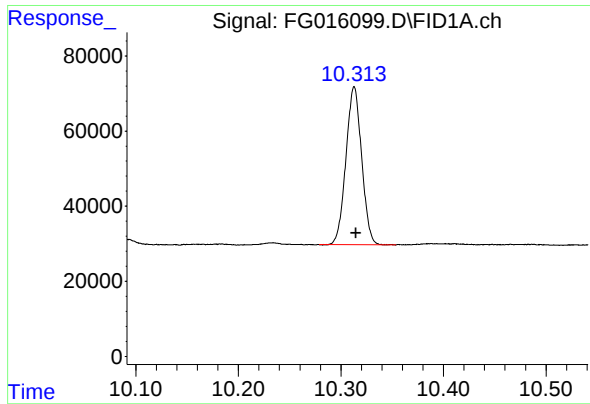
#4 n-Dodecane (C12)

R.T.: 6.856 min
Delta R.T.: -0.002 min
Response: 428272
Conc: 3.89 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.695 min
Delta R.T.: -0.001 min
Response: 465591
Conc: 4.24 ug/ml



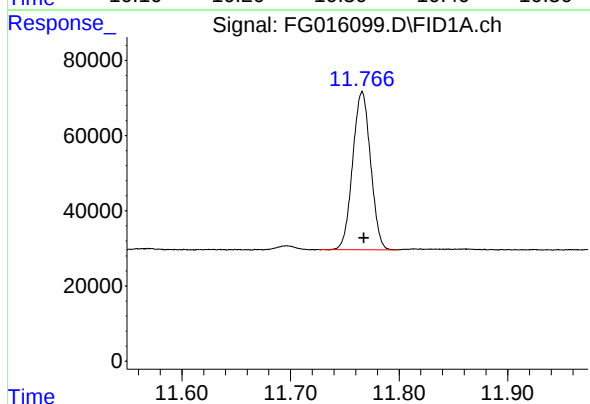
#7 n-Hexadecane (C16)

R.T.: 10.313 min
Delta R.T.: -0.002 min
Response: 448474
Conc: 3.94 ug/ml

Instrument : FID_G
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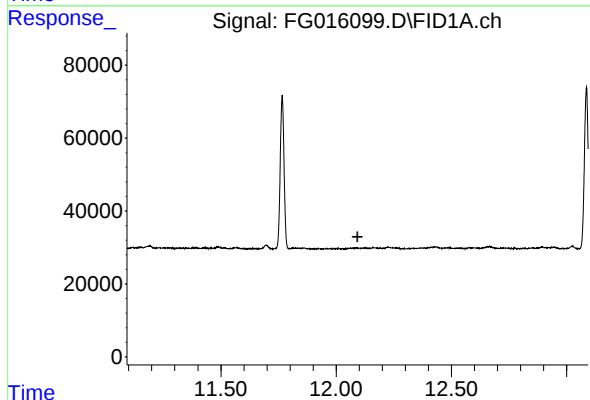
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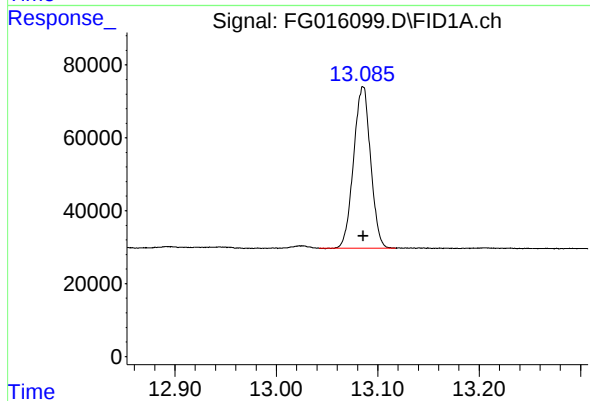
#8 n-Octadecane (C18)

R.T.: 11.766 min
Delta R.T.: -0.001 min
Response: 481459
Conc: 4.14 ug/ml



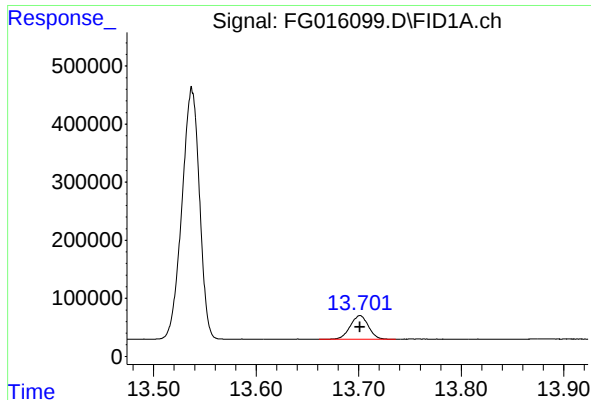
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 12.092 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 13.086 min
Delta R.T.: 0.000 min
Response: 515739
Conc: 4.53 ug/ml



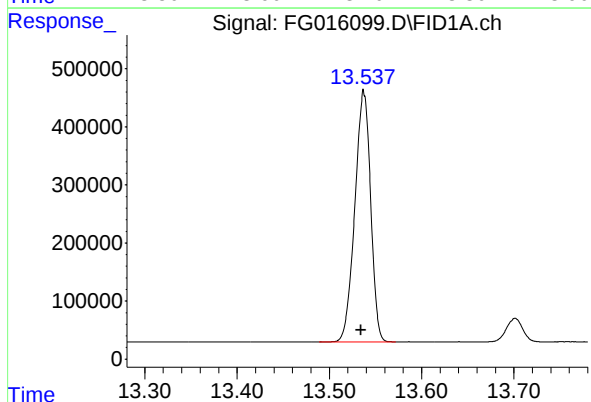
#11 n-Heneicosane (C21)

R.T.: 13.701 min
Delta R.T.: 0.000 min
Response: 495087
Conc: 4.37 ug/ml

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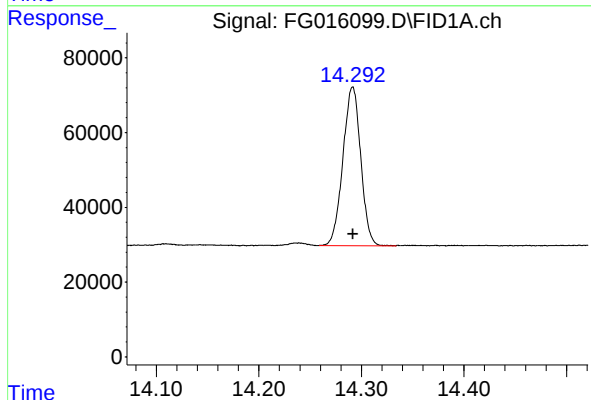
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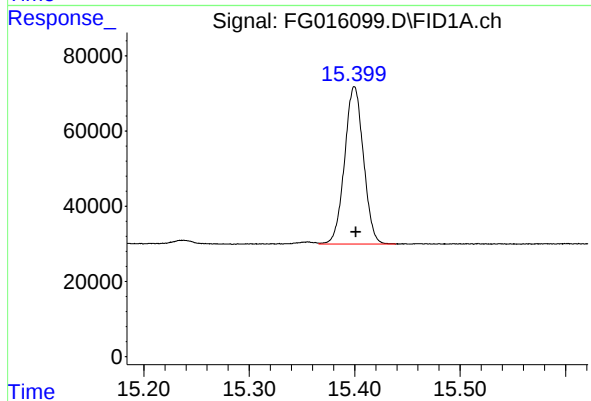
#12 1-chlorooctadecane (SURR)

R.T.: 13.537 min
Delta R.T.: 0.003 min
Response: 5130668
Conc: 50.92 ug/ml



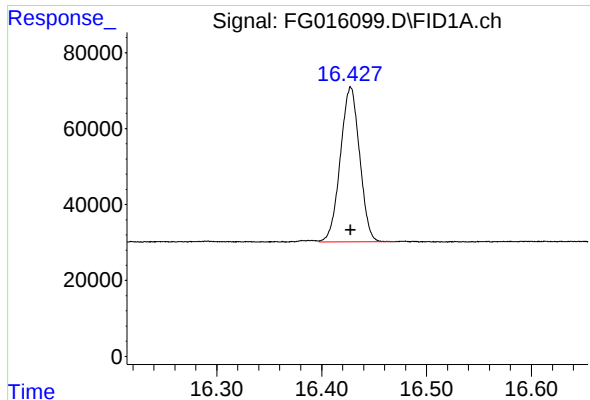
#13 n-Docosane (C22)

R.T.: 14.291 min
Delta R.T.: 0.000 min
Response: 512814
Conc: 4.51 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.399 min
Delta R.T.: -0.002 min
Response: 520698
Conc: 4.52 ug/ml m



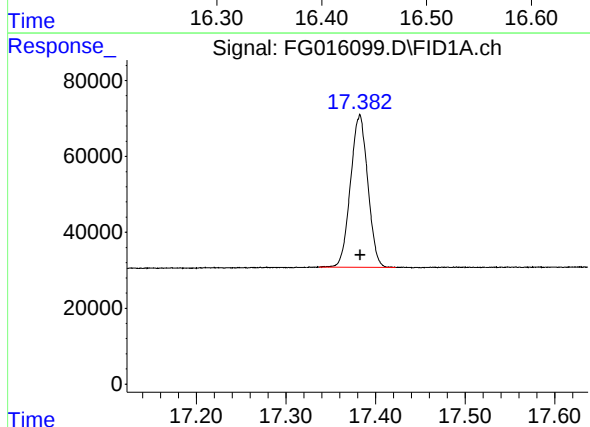
#15 n-Hexacosane (C26)

R.T.: 16.427 min
Delta R.T.: 0.000 min
Response: 520190
Conc: 4.52 ug/ml

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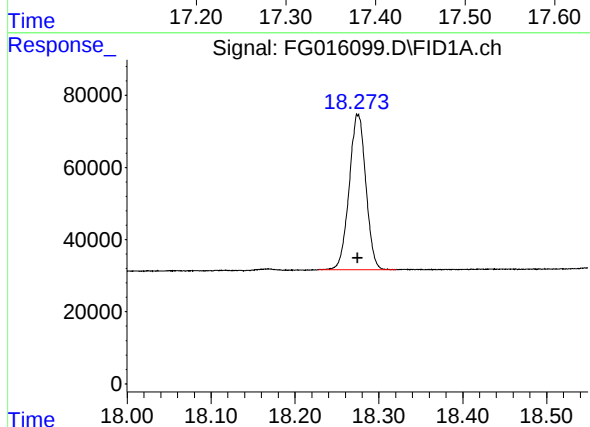
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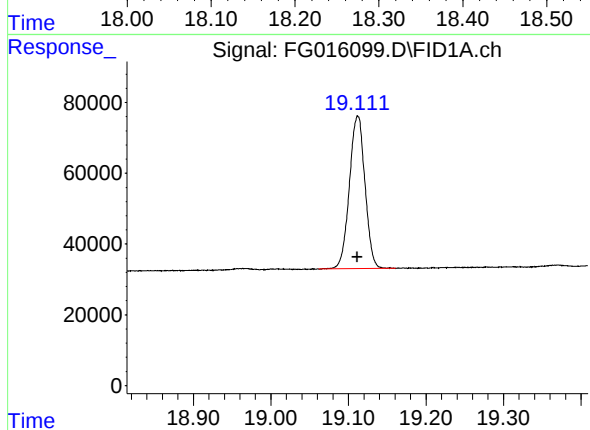
#16 n-Octacosane (C28)

R.T.: 17.383 min
Delta R.T.: 0.000 min
Response: 538040
Conc: 4.74 ug/ml



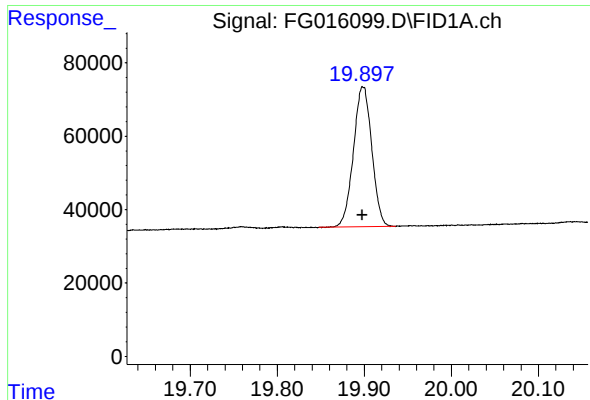
#17 n-Tricontane (C30)

R.T.: 18.275 min
Delta R.T.: 0.000 min
Response: 593322
Conc: 5.18 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 19.112 min
Delta R.T.: 0.001 min
Response: 603124
Conc: 5.53 ug/ml



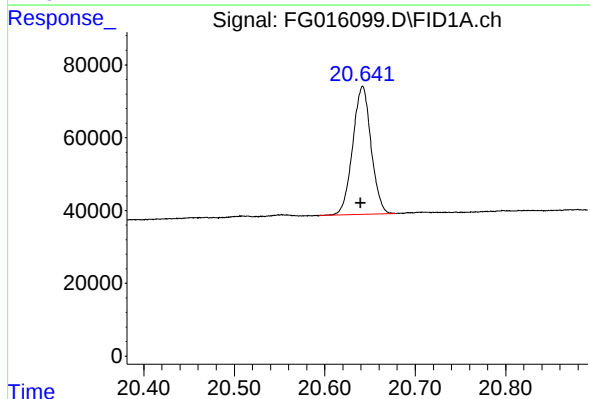
#19 n-Tetratriacontane (C34)

R.T.: 19.899 min
Delta R.T.: 0.000 min
Response: 558240
Conc: 5.64 ug/ml

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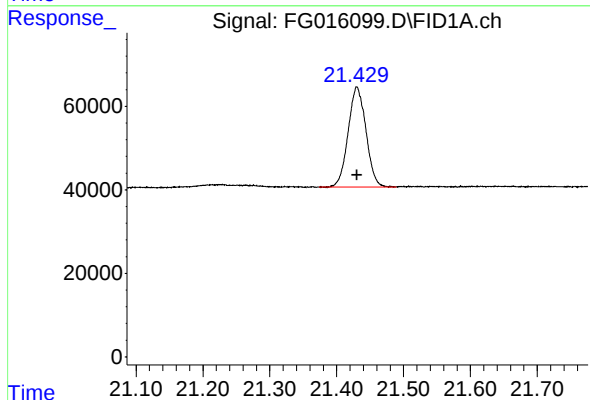
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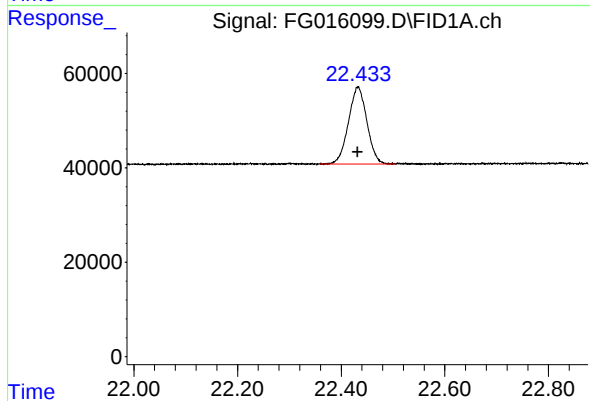
#20 n-Hexatriacontane (C36)

R.T.: 20.642 min
Delta R.T.: 0.002 min
Response: 495580
Conc: 5.84 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.430 min
Delta R.T.: 0.000 min
Response: 443728
Conc: 5.88 ug/ml



#22 n-Tetracontane (C40)

R.T.: 22.432 min
Delta R.T.: 0.000 min
Response: 403322
Conc: 5.83 ug/ml