

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG100923AL\
 Data File : FG013053.D
 Signal(s) : FID1A.ch
 Acq On : 09 Oct 2023 17:18
 Operator : YP\AJ
 Sample : 04699-02
 Misc : 5PPM SOIL LOQ
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/10/2023
 Supervised By :Ankita Jodhani 10/10/2023

Integration File: autoint1.e
 Quant Time: Oct 09 23:50:28 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 100623.M
 Quant Title : GC Extractables
 QLast Update : Sat Oct 07 07:45:31 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...	13.434	3544639	35.173 ug/ml
Spiked Amount 50.000		Recovery =	70.35%
Target Compounds			
1) T n-Nonane (C9)	3.345	375122	3.140 ug/ml
2) T n-Decane (C10)	4.598	470726	3.861 ug/ml
4) T n-Dodecane (C12)	6.772	533244	4.375 ug/ml
6) T n-Tetradecane (C14)	8.607	506641	4.235 ug/ml
7) T n-Hexadecane (C16)	10.220	536307	4.383 ug/mlm
8) T n-Octadecane (C18)	11.669	569658	4.653 ug/ml
10) T n-Eicosane (C20)	12.984	602792	5.163 ug/ml
11) T n-Heneicosane (C21)	13.598	579927	5.079 ug/ml
13) T n-Docosane (C22)	14.186	587467	5.176 ug/ml
14) T n-Tetracosane (C24)	15.292	599593	5.297 ug/ml
15) T n-Hexacosane (C26)	16.317	565170	5.097 ug/ml
16) T n-Octacosane (C28)	17.268	574561	5.237 ug/ml
17) T n-Tricontane (C30)	18.158	610942	5.336 ug/ml
18) T n-Dotriacontane (C32)	18.992	608944	5.305 ug/ml
19) T n-Tetratriacontane (C34)	19.777	580466	5.188 ug/ml
20) T n-Hexatriacontane (C36)	20.518	557192	4.886 ug/mlm
21) T n-Octatriacontane (C38)	21.277	547414	4.772 ug/ml
22) T n-Tetracontane (C40)	22.231	535785	4.629 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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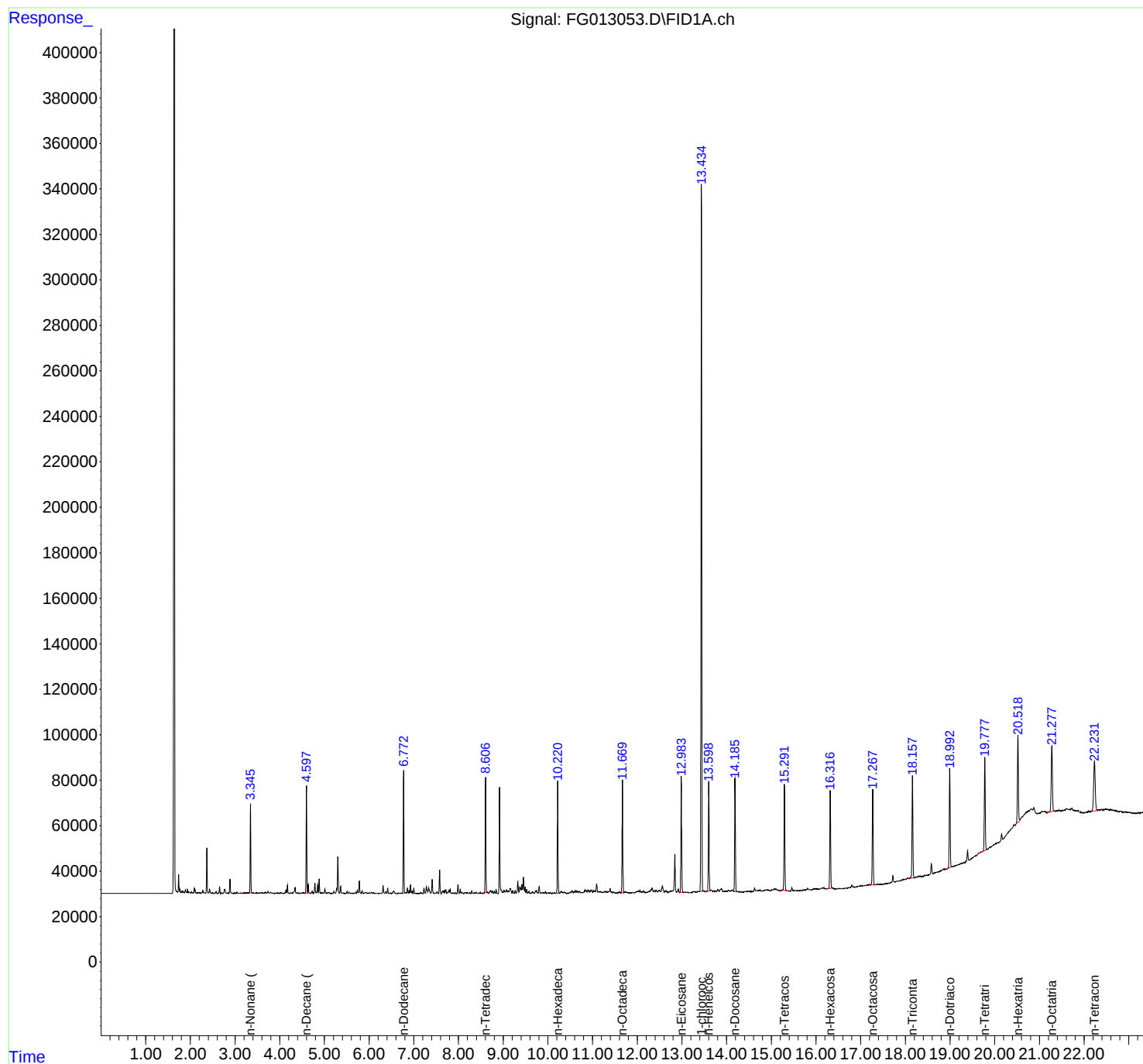
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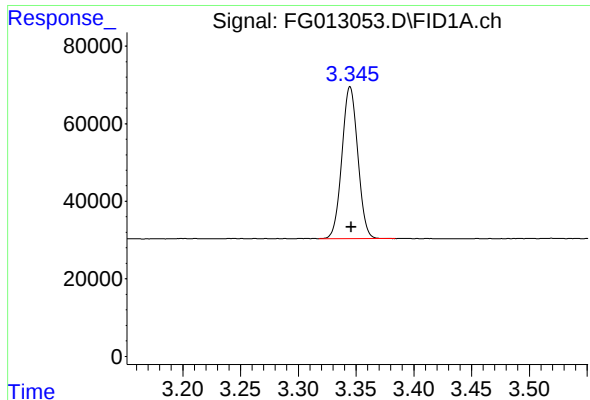
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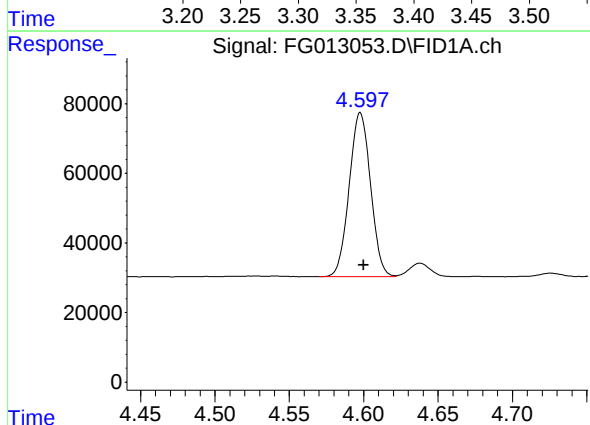
#1 n-Nonane (C9)

R.T.: 3.345 min
Delta R.T.: -0.001 min
Response: 375122
Conc: 3.14 ug/ml

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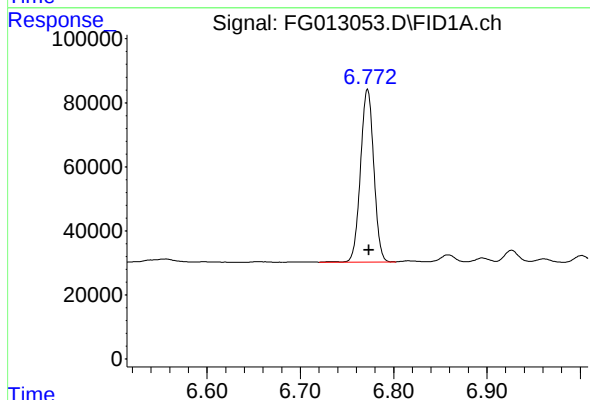
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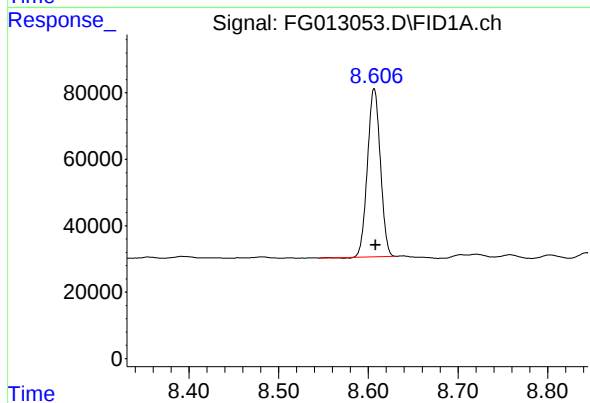
#2 n-Decane (C10)

R.T.: 4.598 min
Delta R.T.: -0.002 min
Response: 470726
Conc: 3.86 ug/ml



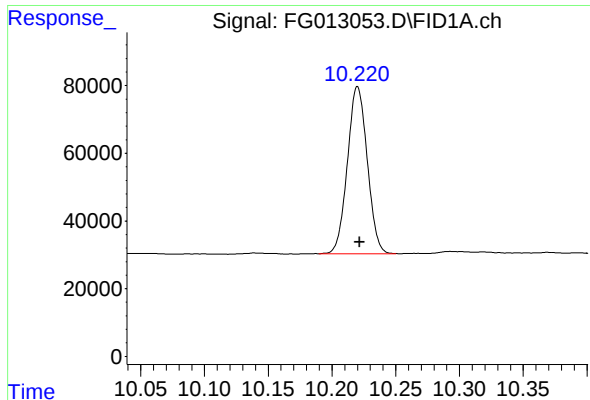
#4 n-Dodecane (C12)

R.T.: 6.772 min
Delta R.T.: -0.002 min
Response: 533244
Conc: 4.37 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.607 min
Delta R.T.: -0.001 min
Response: 506641
Conc: 4.24 ug/ml



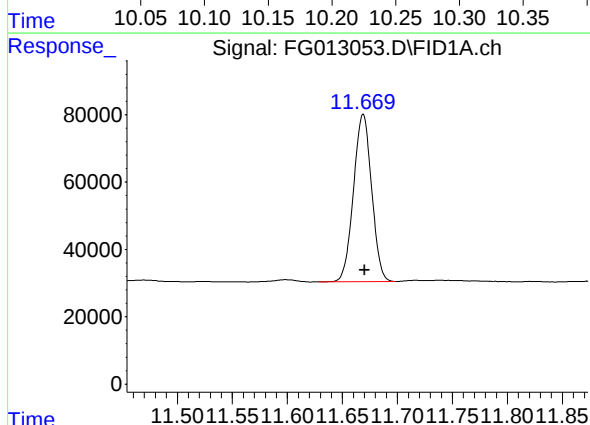
#7 n-Hexadecane (C16)

R.T.: 10.220 min
Delta R.T.: -0.002 min
Response: 536307
Conc: 4.38 ug/ml

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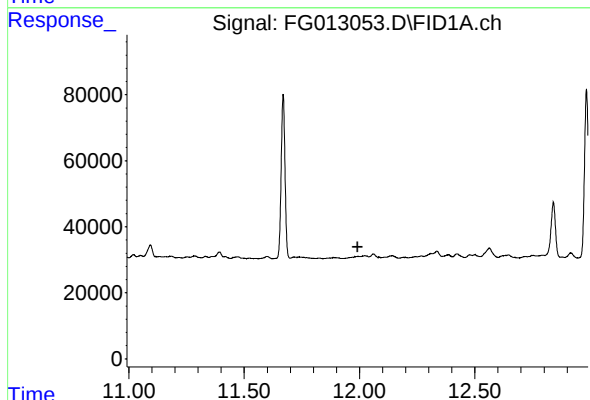
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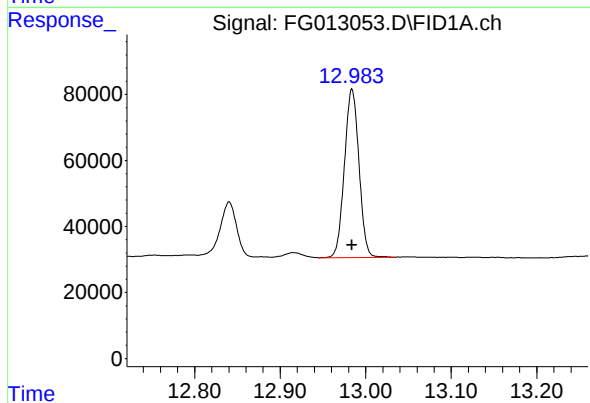
#8 n-Octadecane (C18)

R.T.: 11.669 min
Delta R.T.: -0.001 min
Response: 569658
Conc: 4.65 ug/ml



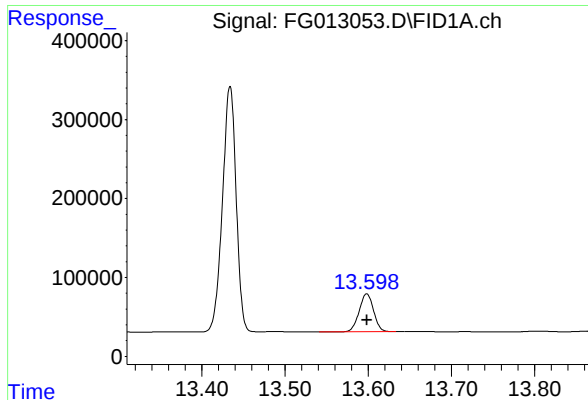
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.991 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.984 min
Delta R.T.: 0.000 min
Response: 602792
Conc: 5.16 ug/ml



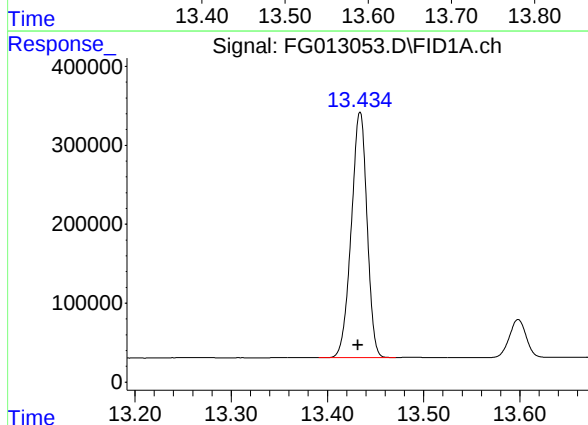
#11 n-Heneicosane (C21)

R.T.: 13.598 min
Delta R.T.: 0.000 min
Response: 579927
Conc: 5.08 ug/ml

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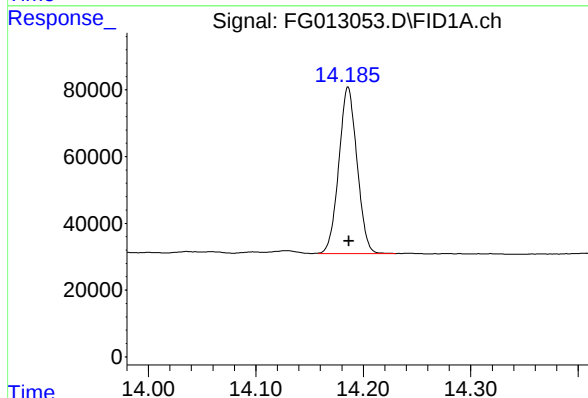
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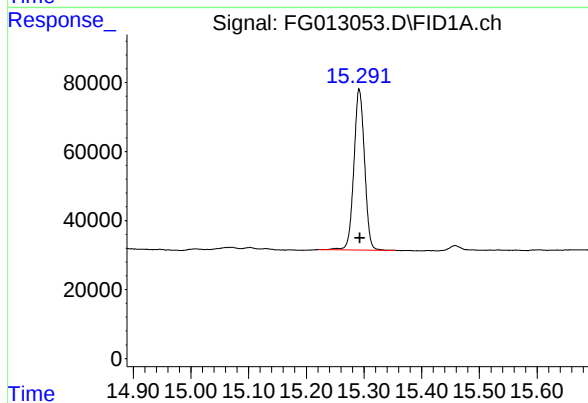
#12 1-chlorooctadecane (SURR)

R.T.: 13.434 min
Delta R.T.: 0.002 min
Response: 3544639
Conc: 35.17 ug/ml



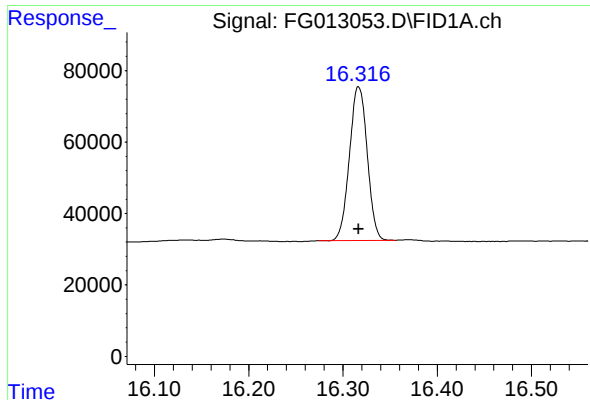
#13 n-Docosane (C22)

R.T.: 14.186 min
Delta R.T.: 0.000 min
Response: 587467
Conc: 5.18 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.292 min
Delta R.T.: -0.002 min
Response: 599593
Conc: 5.30 ug/ml



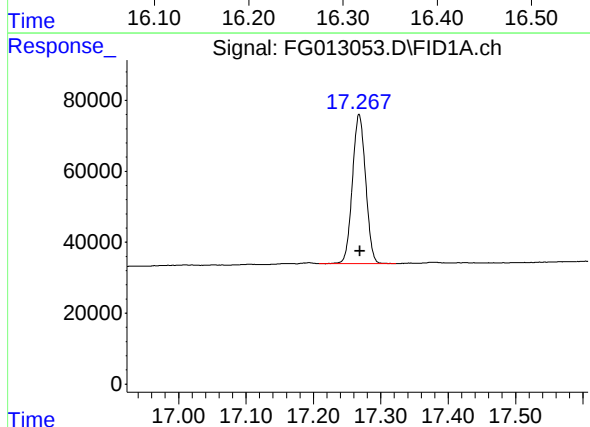
#15 n-Hexacosane (C26)

R.T.: 16.317 min
Delta R.T.: 0.000 min
Response: 565170
Conc: 5.10 ug/ml

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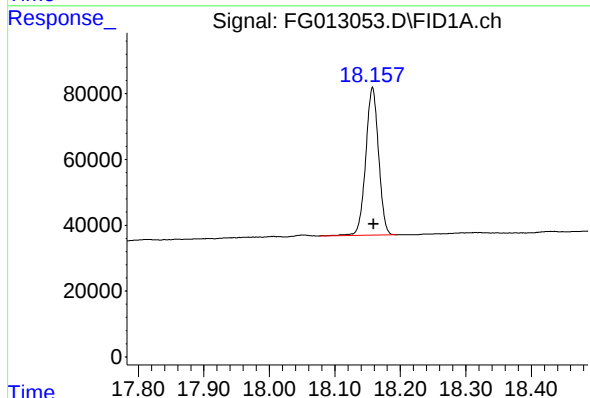
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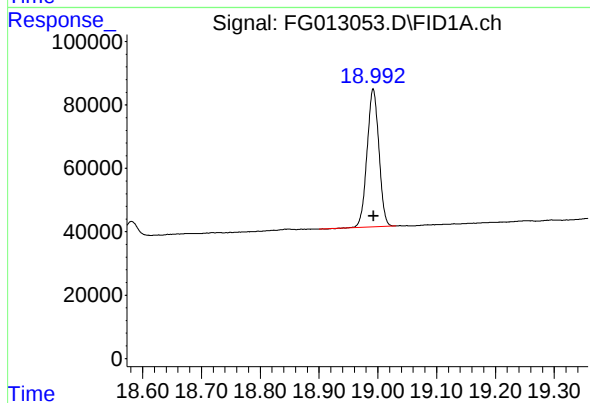
#16 n-Octacosane (C28)

R.T.: 17.268 min
Delta R.T.: -0.001 min
Response: 574561
Conc: 5.24 ug/ml



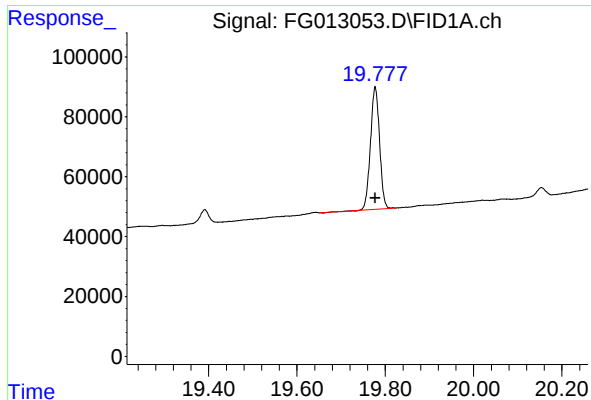
#17 n-Tricontane (C30)

R.T.: 18.158 min
Delta R.T.: -0.001 min
Response: 610942
Conc: 5.34 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.992 min
Delta R.T.: -0.001 min
Response: 608944
Conc: 5.30 ug/ml



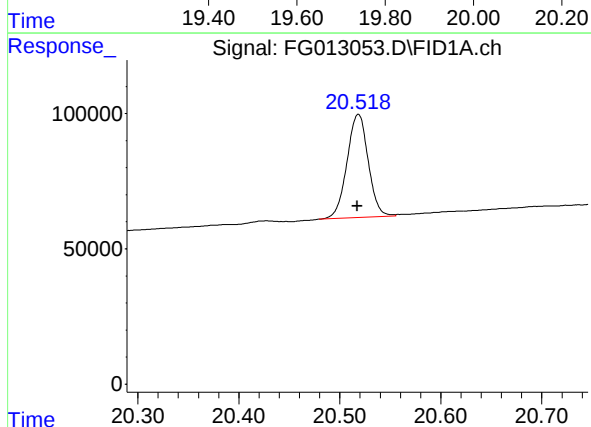
#19 n-Tetratriacontane (C34)

R.T.: 19.777 min
Delta R.T.: 0.000 min
Response: 580466
Conc: 5.19 ug/ml

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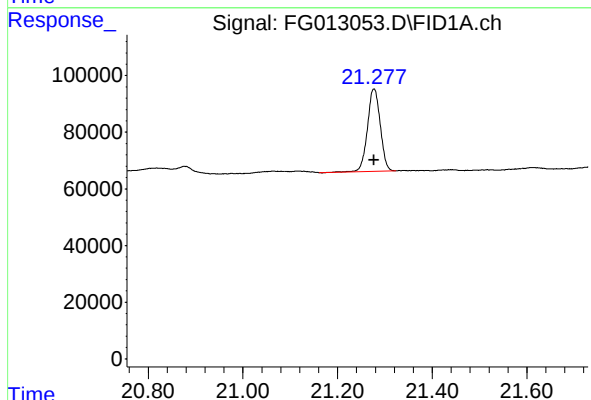
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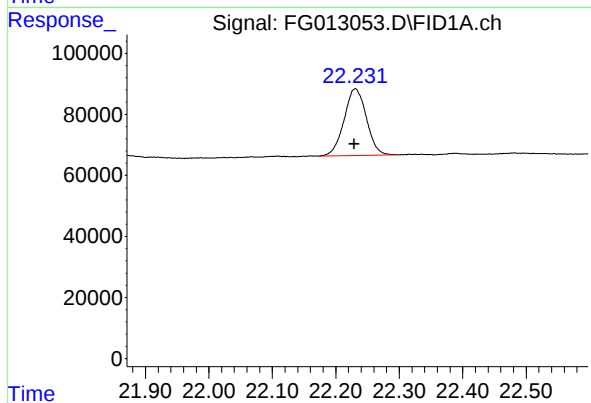
#20 n-Hexatriacontane (C36)

R.T.: 20.518 min
Delta R.T.: 0.000 min
Response: 557192
Conc: 4.89 ug/ml m



#21 n-Octatriacontane (C38)

R.T.: 21.277 min
Delta R.T.: 0.000 min
Response: 547414
Conc: 4.77 ug/ml



#22 n-Tetracontane (C40)

R.T.: 22.231 min
Delta R.T.: 0.002 min
Response: 535785
Conc: 4.63 ug/ml m