

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F101424AL\
 Data File : FC067433.D
 Signal(s) : FID1A.ch
 Acq On : 14 Oct 2024 18:30
 Operator : YP/AJ
 Sample : P4368-03
 Misc : 2.5 PPM SOIL MDL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 MDL-SOIL-03-QT4-2024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/15/2024
 Supervised By :Ankita Jodhani 10/15/2024

Integration File: autoint1.e
 Quant Time: Oct 15 04:32:02 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 01 09:13:32 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...	12.940	4591855	40.566 ug/ml
Spiked Amount 50.000		Recovery =	81.13%
Target Compounds			
1) T n-Nonane (C9)	3.276	166170	1.311 ug/ml
2) T n-Decane (C10)	4.340	201033	1.564 ug/mlm
4) T n-Dodecane (C12)	6.356	267504	2.061 ug/ml
6) T n-Tetradecane (C14)	8.148	241964	1.879 ug/ml
7) T n-Hexadecane (C16)	9.748	230836	1.734 ug/ml
8) T n-Octadecane (C18)	11.187	250747	1.849 ug/ml
10) T n-Eicosane (C20)	12.494	269421	2.063 ug/ml
11) T n-Heneicosane (C21)	13.106	251539	1.961 ug/ml
13) T n-Docosane (C22)	13.692	258099	2.021 ug/ml
14) T n-Tetracosane (C24)	14.793	292282	2.285 ug/ml
15) T n-Hexacosane (C26)	15.813	253299	2.009 ug/ml
16) T n-Octacosane (C28)	16.762	246888	1.965 ug/ml
17) T n-Tricontane (C30)	17.648	259250	2.012 ug/ml
18) T n-Dotriacontane (C32)	18.481	268874	2.152 ug/ml
19) T n-Tetratriacontane (C34)	19.263	256683	2.349 ug/ml
20) T n-Hexatriacontane (C36)	20.003	235603	2.493 ug/ml
21) T n-Octatriacontane (C38)	20.727	239647	2.733 ug/ml
22) T n-Tetracontane (C40)	21.614	226932	2.637 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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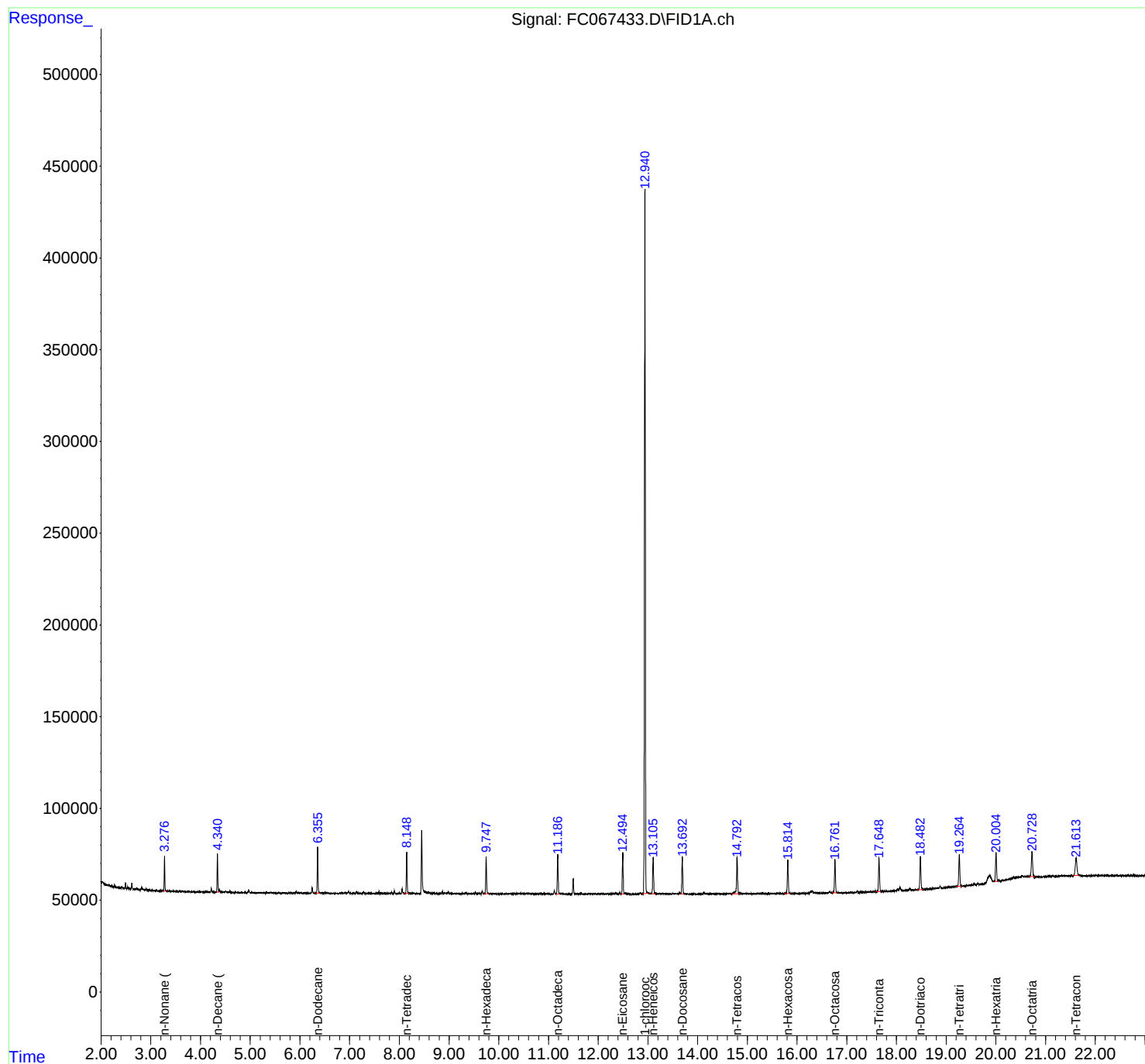
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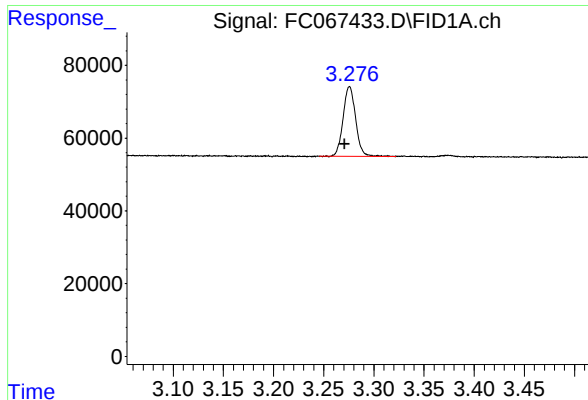
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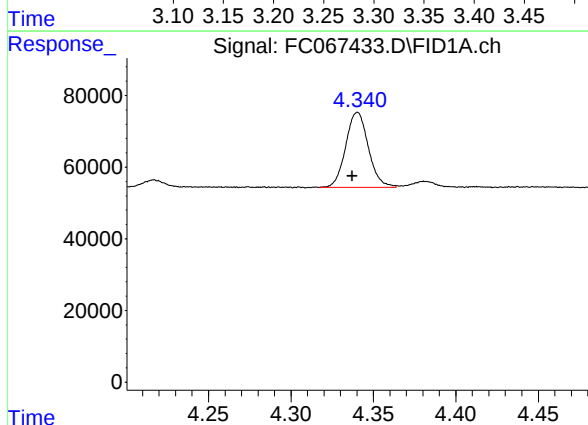
#1 n-Nonane (C9)

R.T.: 3.276 min
Delta R.T.: 0.005 min
Response: 166170
Conc: 1.31 ug/ml

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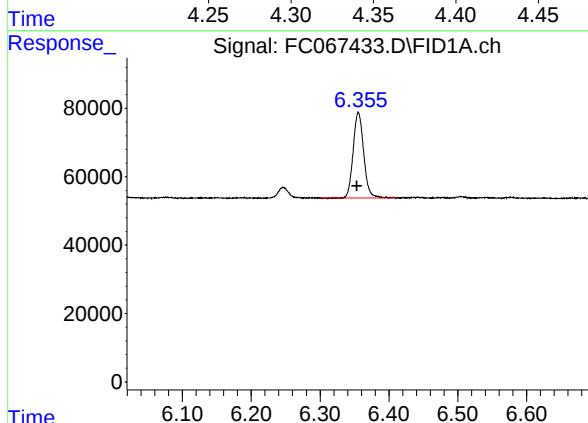
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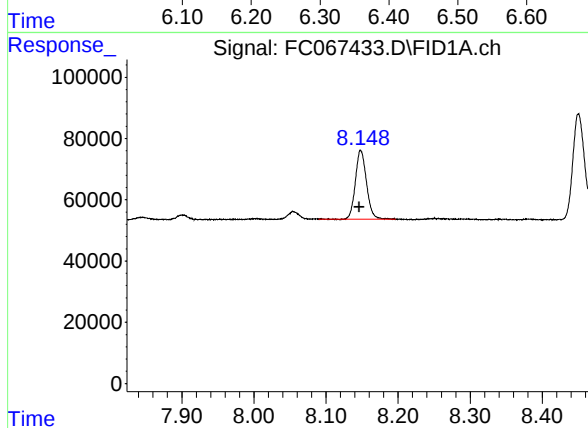
#2 n-Decane (C10)

R.T.: 4.340 min
Delta R.T.: 0.003 min
Response: 201033
Conc: 1.56 ug/ml m



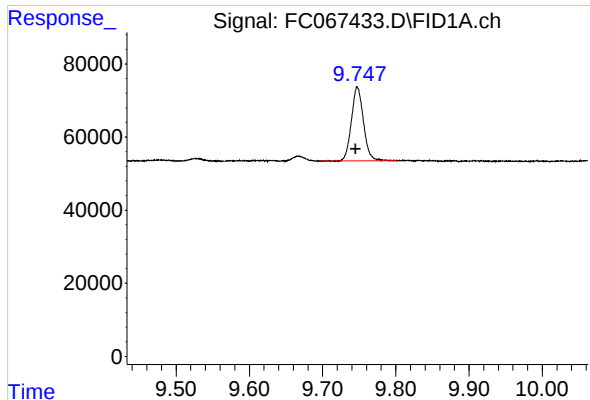
#4 n-Dodecane (C12)

R.T.: 6.356 min
Delta R.T.: 0.002 min
Response: 267504
Conc: 2.06 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.148 min
Delta R.T.: 0.002 min
Response: 241964
Conc: 1.88 ug/ml



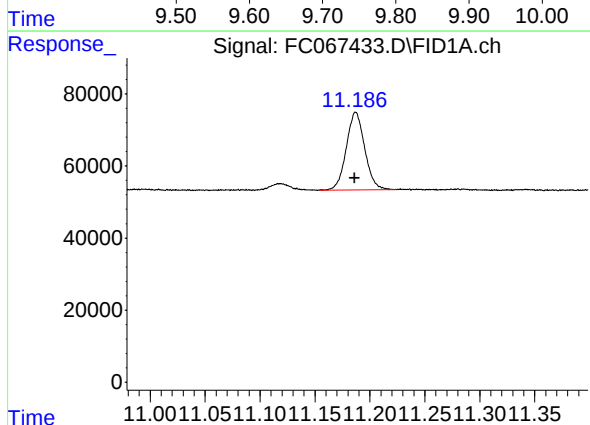
#7 n-Hexadecane (C16)

R.T.: 9.748 min
Delta R.T.: 0.003 min
Response: 230836
Conc: 1.73 ug/ml

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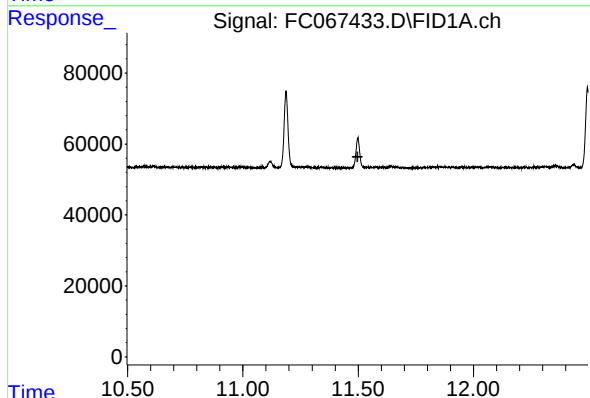
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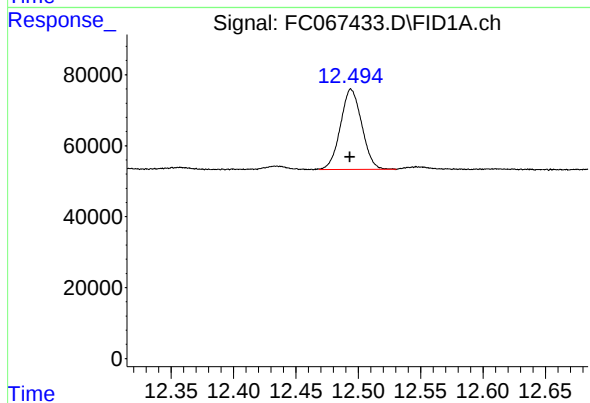
#8 n-Octadecane (C18)

R.T.: 11.187 min
Delta R.T.: 0.000 min
Response: 250747
Conc: 1.85 ug/ml



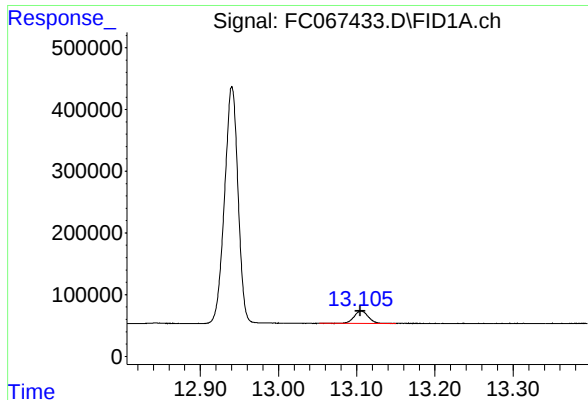
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.497 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.494 min
Delta R.T.: 0.000 min
Response: 269421
Conc: 2.06 ug/ml



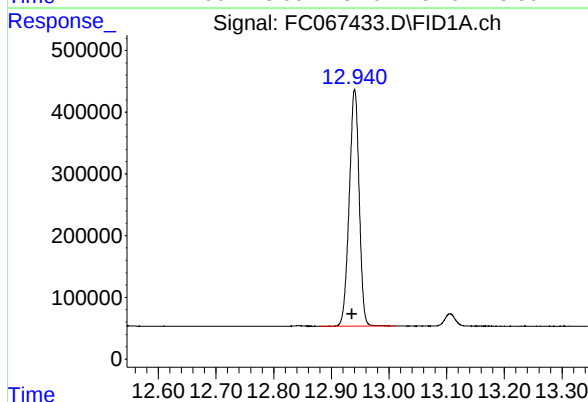
#11 n-Heneicosane (C21)

R.T.: 13.106 min
Delta R.T.: 0.001 min
Response: 251539
Conc: 1.96 ug/ml

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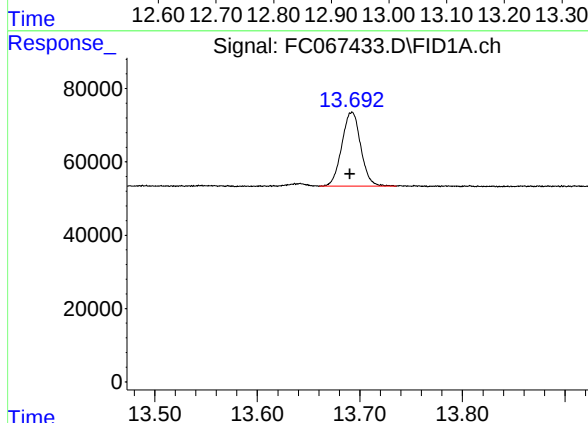
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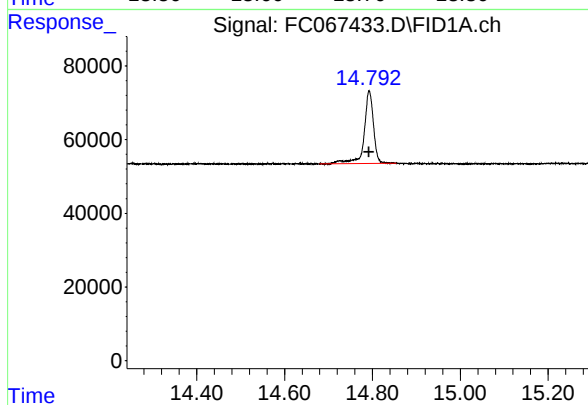
#12 1-chlorooctadecane (SURR)

R.T.: 12.940 min
Delta R.T.: 0.005 min
Response: 4591855
Conc: 40.57 ug/ml



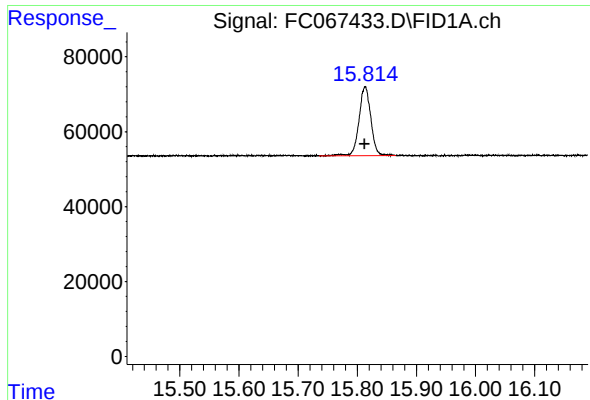
#13 n-Docosane (C22)

R.T.: 13.692 min
Delta R.T.: 0.002 min
Response: 258099
Conc: 2.02 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.793 min
Delta R.T.: 0.000 min
Response: 292282
Conc: 2.29 ug/ml



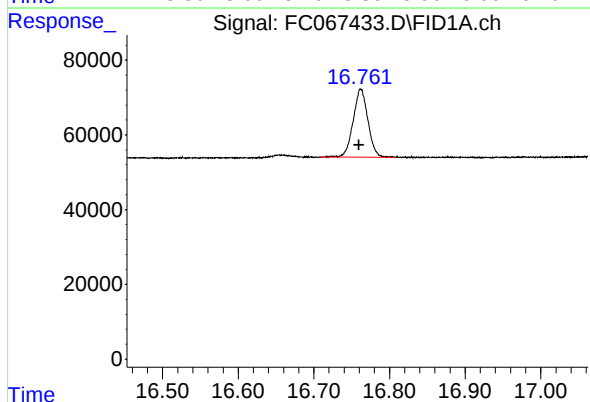
#15 n-Hexacosane (C26)

R.T.: 15.813 min
Delta R.T.: 0.000 min
Response: 253299
Conc: 2.01 ug/ml

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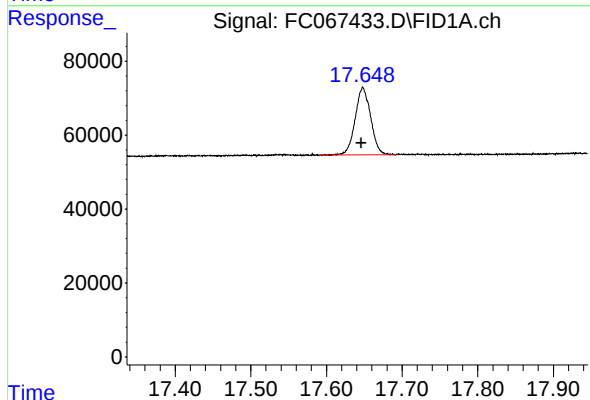
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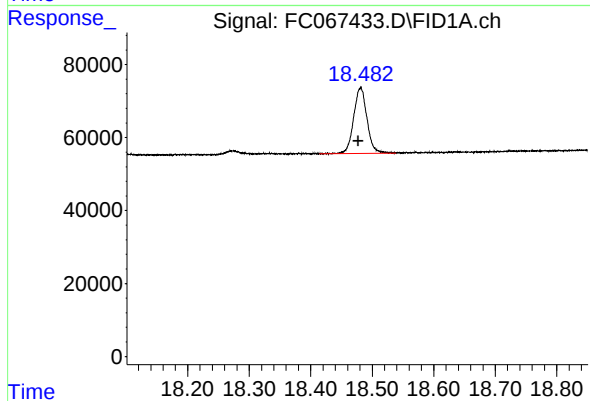
#16 n-Octacosane (C28)

R.T.: 16.762 min
Delta R.T.: 0.002 min
Response: 246888
Conc: 1.97 ug/ml



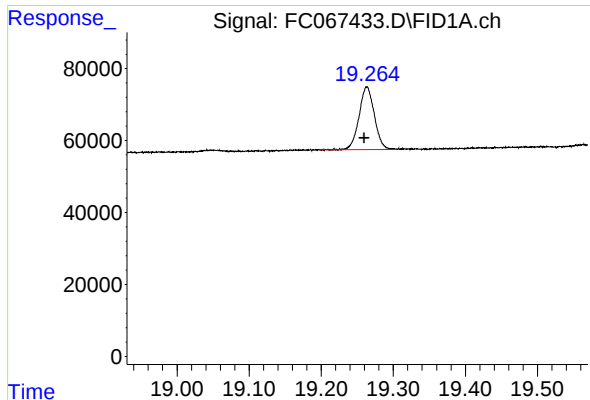
#17 n-Tricontane (C30)

R.T.: 17.648 min
Delta R.T.: 0.002 min
Response: 259250
Conc: 2.01 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.481 min
Delta R.T.: 0.003 min
Response: 268874
Conc: 2.15 ug/ml



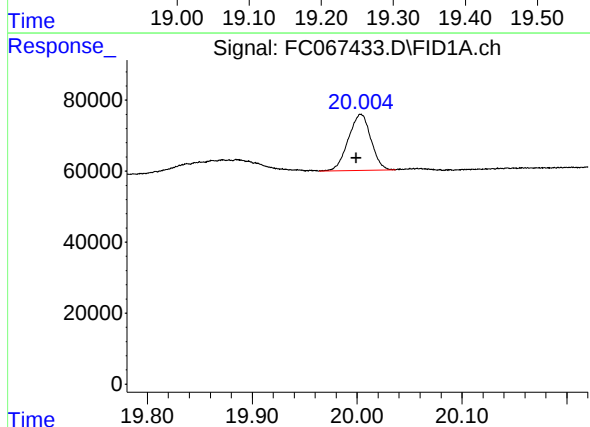
#19 n-Tetratriacontane (C34)

R.T.: 19.263 min
Delta R.T.: 0.004 min
Response: 256683
Conc: 2.35 ug/ml

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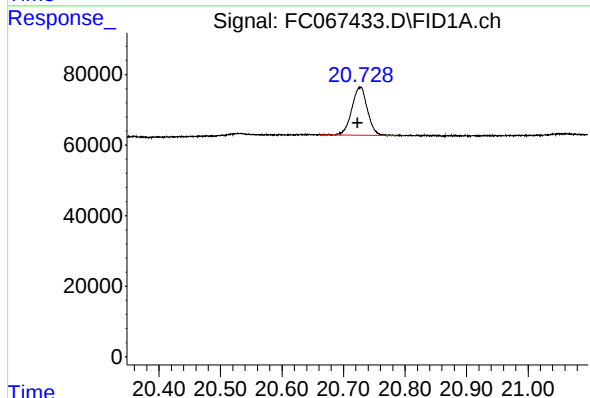
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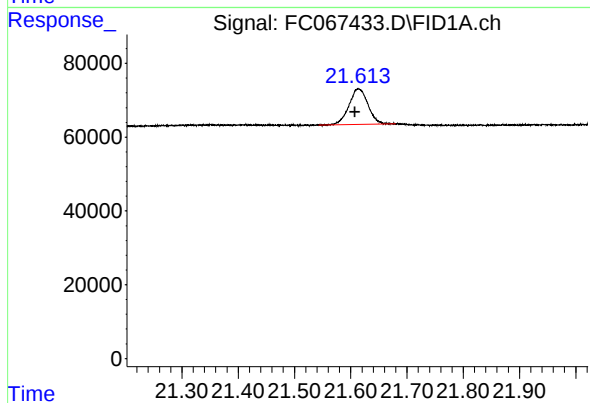
#20 n-Hexatriacontane (C36)

R.T.: 20.003 min
Delta R.T.: 0.004 min
Response: 235603
Conc: 2.49 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.727 min
Delta R.T.: 0.004 min
Response: 239647
Conc: 2.73 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.614 min
Delta R.T.: 0.006 min
Response: 226932
Conc: 2.64 ug/ml