

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F101124AL\
 Data File : FC067412.D
 Signal(s) : FID1A.ch
 Acq On : 11 Oct 2024 22:44
 Operator : YP/AJ
 Sample : P4368-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/14/2024
 Supervised By :Ankita Jodhani 10/14/2024

Integration File: autoint1.e
 Quant Time: Oct 14 03:25:39 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...	12.943	4539941	40.108 ug/ml
Spiked Amount 50.000		Recovery =	80.22%
Target Compounds			
1) T n-Nonane (C9)	3.277	157087	1.239 ug/ml
2) T n-Decane (C10)	4.341	193539	1.506 ug/mlm
4) T n-Dodecane (C12)	6.358	239696	1.847 ug/ml
6) T n-Tetradecane (C14)	8.150	227388	1.765 ug/ml
7) T n-Hexadecane (C16)	9.749	224168	1.684 ug/ml
8) T n-Octadecane (C18)	11.189	250769	1.849 ug/ml
10) T n-Eicosane (C20)	12.497	263092	2.015 ug/ml
11) T n-Heneicosane (C21)	13.108	255629	1.993 ug/ml
13) T n-Docosane (C22)	13.694	260955	2.044 ug/ml
14) T n-Tetracosane (C24)	14.795	266466	2.084 ug/mlm
15) T n-Hexacosane (C26)	15.816	258036	2.047 ug/ml
16) T n-Octacosane (C28)	16.764	251882	2.005 ug/ml
17) T n-Tricontane (C30)	17.651	268875	2.087 ug/ml
18) T n-Dotriacontane (C32)	18.482	305577	2.446 ug/ml
19) T n-Tetratriacontane (C34)	19.265	263184	2.408 ug/mlm
20) T n-Hexatriacontane (C36)	20.003	260134	2.752 ug/mlm
21) T n-Octatriacontane (C38)	20.729	245419	2.798 ug/mlm
22) T n-Tetracontane (C40)	21.619	242557	2.819 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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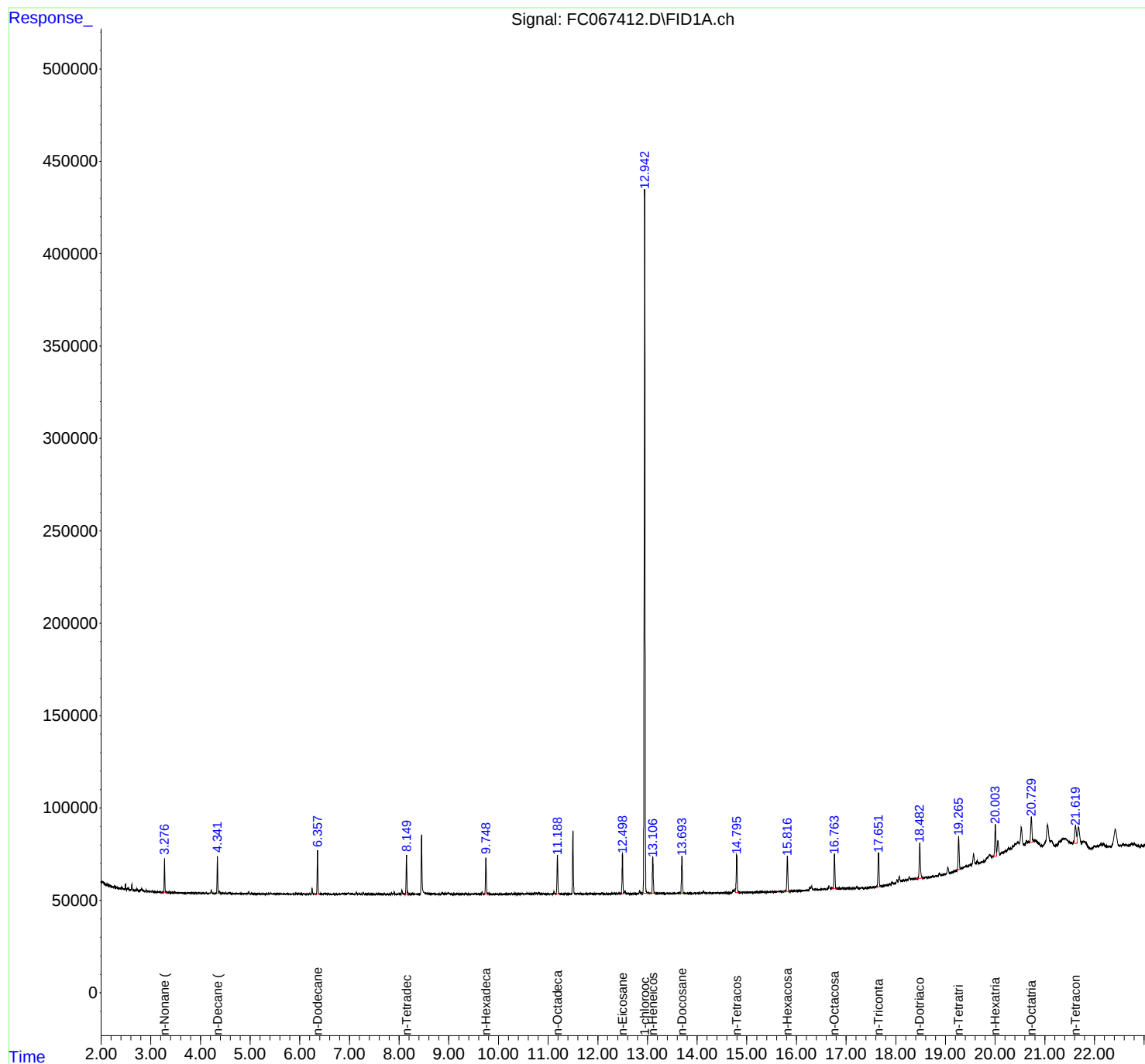
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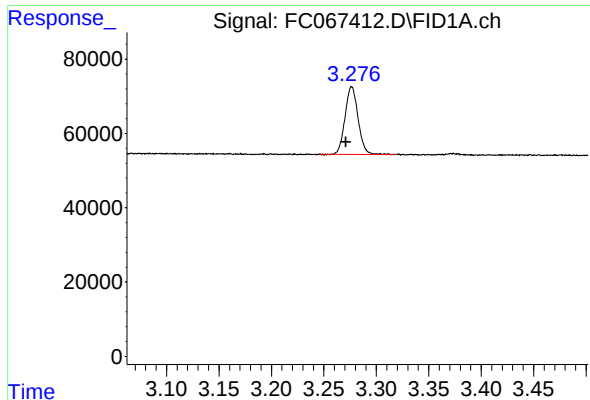
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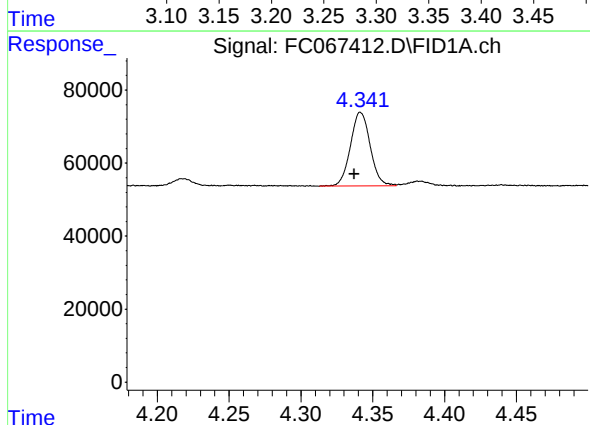
#1 n-Nonane (C9)

R.T.: 3.277 min
Delta R.T.: 0.006 min
Response: 157087
Conc: 1.24 ug/ml

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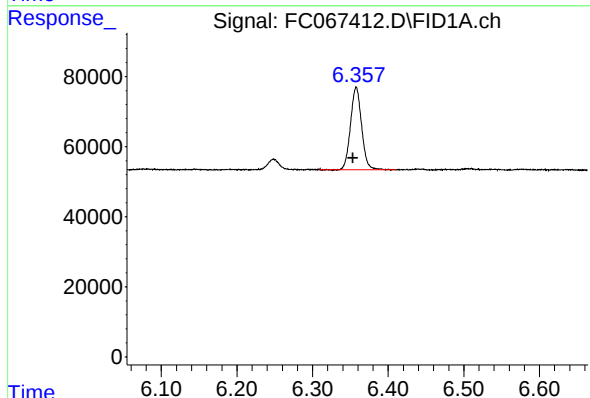
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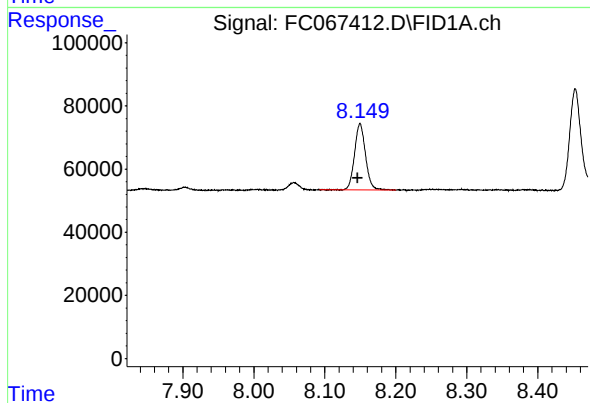
#2 n-Decane (C10)

R.T.: 4.341 min
Delta R.T.: 0.004 min
Response: 193539
Conc: 1.51 ug/ml m



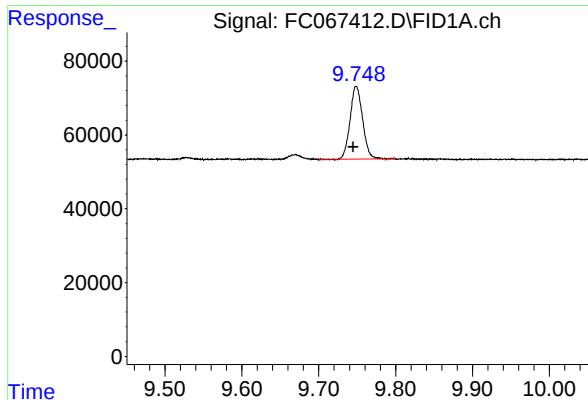
#4 n-Dodecane (C12)

R.T.: 6.358 min
Delta R.T.: 0.004 min
Response: 239696
Conc: 1.85 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.150 min
Delta R.T.: 0.003 min
Response: 227388
Conc: 1.77 ug/ml



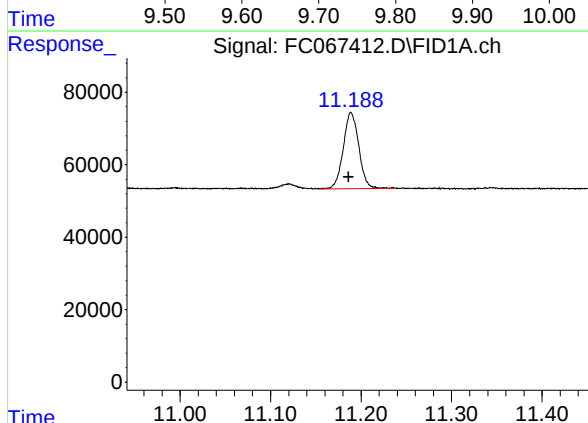
#7 n-Hexadecane (C16)

R.T.: 9.749 min
Delta R.T.: 0.004 min
Response: 224168
Conc: 1.68 ug/ml

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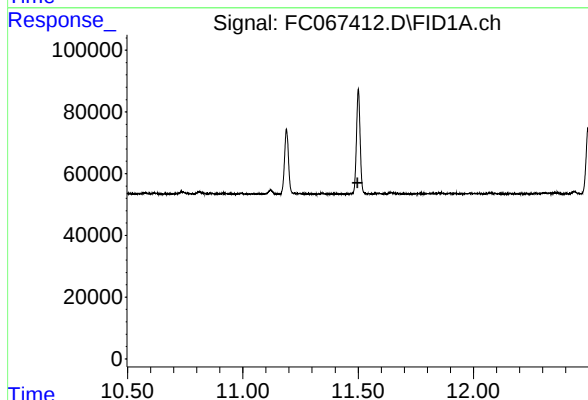
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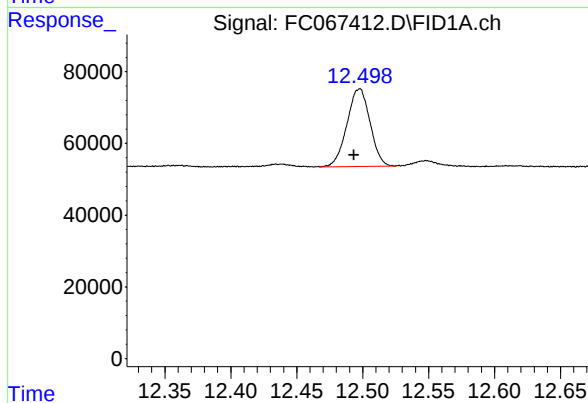
#8 n-Octadecane (C18)

R.T.: 11.189 min
Delta R.T.: 0.003 min
Response: 250769
Conc: 1.85 ug/ml



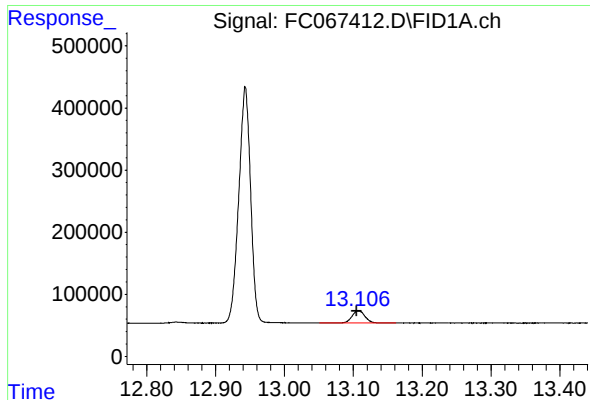
#9 ortho-Terphenyl (SURR)

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



#10 n-Eicosane (C20)

R.T.: 12.497 min
Delta R.T.: 0.004 min
Response: 263092
Conc: 2.01 ug/ml



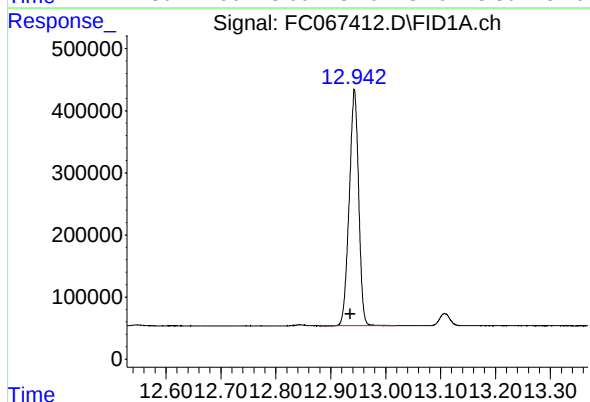
#11 n-Heneicosane (C21)

R.T.: 13.108 min
Delta R.T.: 0.003 min
Response: 255629
Conc: 1.99 ug/ml

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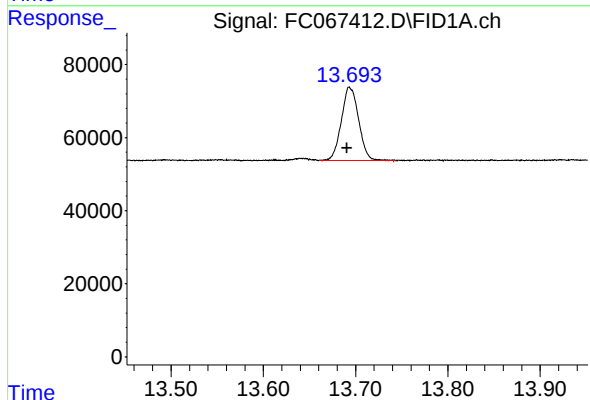
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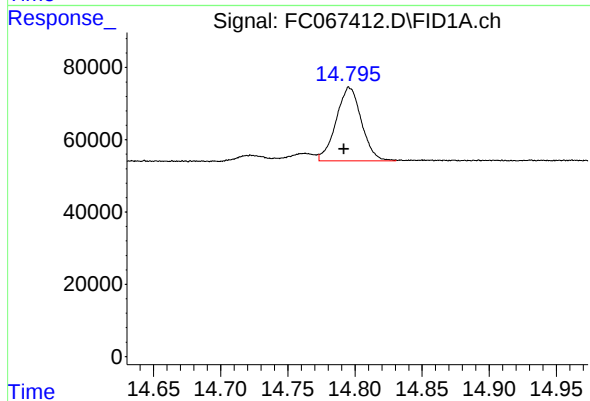
#12 1-chlorooctadecane (SURR)

R.T.: 12.943 min
Delta R.T.: 0.007 min
Response: 4539941
Conc: 40.11 ug/ml



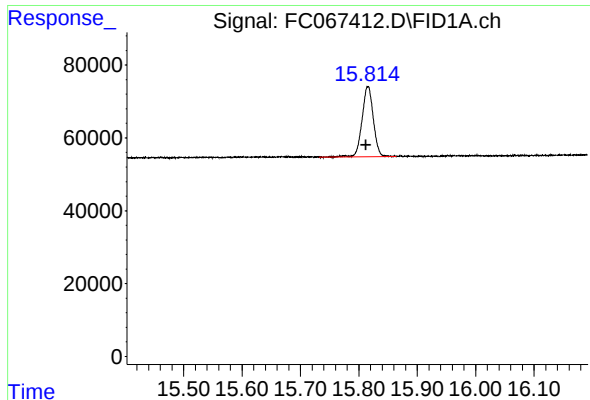
#13 n-Docosane (C22)

R.T.: 13.694 min
Delta R.T.: 0.004 min
Response: 260955
Conc: 2.04 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.795 min
Delta R.T.: 0.003 min
Response: 266466
Conc: 2.08 ug/ml m



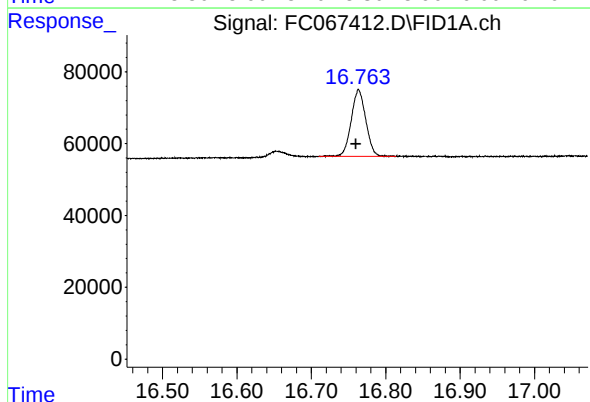
#15 n-Hexacosane (C26)

R.T.: 15.816 min
Delta R.T.: 0.003 min
Response: 258036
Conc: 2.05 ug/ml

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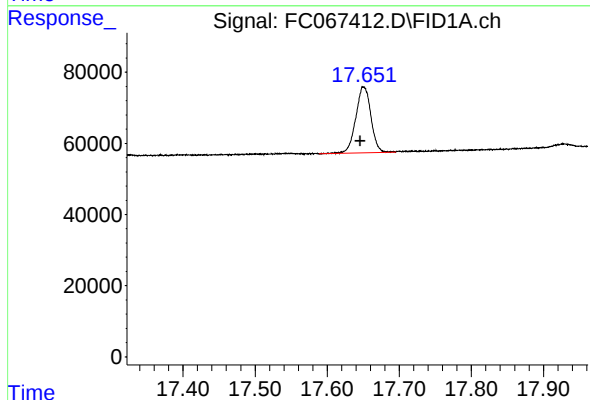
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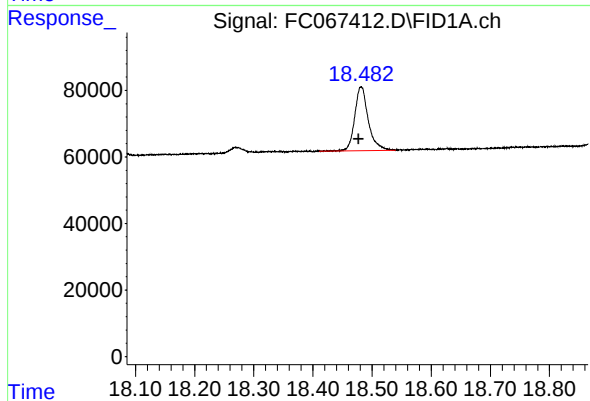
#16 n-Octacosane (C28)

R.T.: 16.764 min
Delta R.T.: 0.004 min
Response: 251882
Conc: 2.00 ug/ml



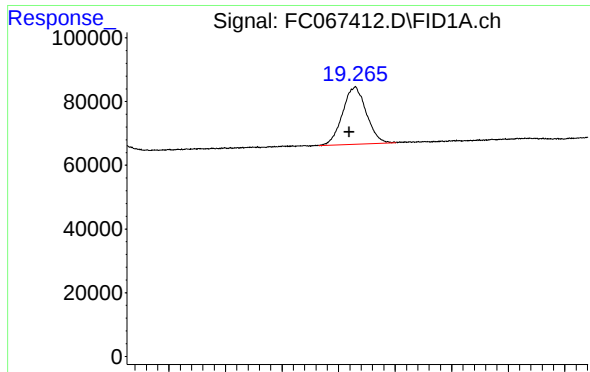
#17 n-Tricontane (C30)

R.T.: 17.651 min
Delta R.T.: 0.005 min
Response: 268875
Conc: 2.09 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.482 min
Delta R.T.: 0.004 min
Response: 305577
Conc: 2.45 ug/ml



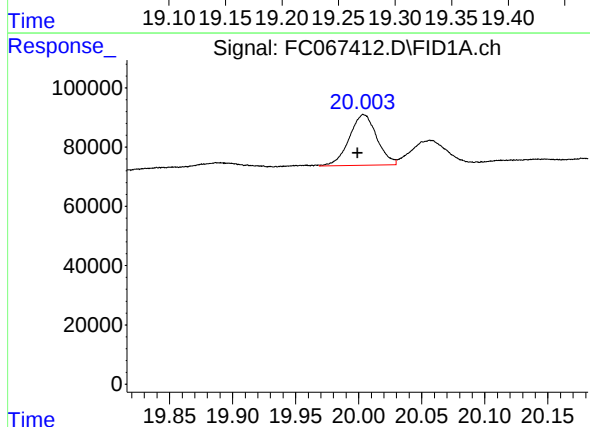
#19 n-Tetratriacontane (C34)

R.T.: 19.265 min
Delta R.T.: 0.005 min
Response: 263184
Conc: 2.41 ug/ml

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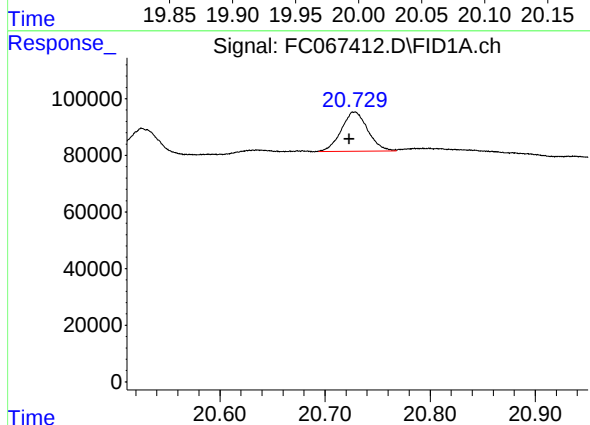
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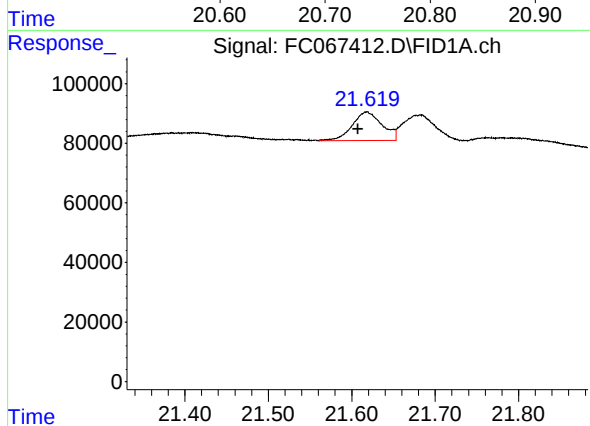
#20 n-Hexatriacontane (C36)

R.T.: 20.003 min
Delta R.T.: 0.004 min
Response: 260134
Conc: 2.75 ug/ml m



#21 n-Octatriacontane (C38)

R.T.: 20.729 min
Delta R.T.: 0.006 min
Response: 245419
Conc: 2.80 ug/ml m



#22 n-Tetracontane (C40)

R.T.: 21.619 min
Delta R.T.: 0.011 min
Response: 242557
Conc: 2.82 ug/ml m