

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F101424AL\
 Data File : FC067444.D
 Signal(s) : FID1A.ch
 Acq On : 15 Oct 2024 01:53
 Operator : YP/AJ
 Sample : P4368-09
 Misc : 2.5 PPM WATER MDL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 MDL-WATER-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 04:33:51 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	4603752	40.671 ug/ml
Spiked Amount 50.000		Recovery =	81.34%
Target Compounds			
1) T n-Nonane (C9)	3.276	177393	1.399 ug/ml
2) T n-Decane (C10)	4.341	220014	1.712 ug/ml
4) T n-Dodecane (C12)	6.356	299335	2.307 ug/ml
6) T n-Tetradecane (C14)	8.148	265609	2.062 ug/ml
7) T n-Hexadecane (C16)	9.747	251958	1.893 ug/ml
8) T n-Octadecane (C18)	11.186	258593	1.907 ug/ml
10) T n-Eicosane (C20)	12.494	272145	2.084 ug/ml
11) T n-Heneicosane (C21)	13.106	248955	1.941 ug/ml
13) T n-Docosane (C22)	13.691	254617	1.994 ug/ml
14) T n-Tetracosane (C24)	14.793	257448	2.013 ug/ml
15) T n-Hexacosane (C26)	15.812	241362	1.914 ug/ml
16) T n-Octacosane (C28)	16.760	236476	1.882 ug/ml
17) T n-Tricontane (C30)	17.647	243767	1.892 ug/ml
18) T n-Dotriacontane (C32)	18.479	255261	2.043 ug/ml
19) T n-Tetratriacontane (C34)	19.260	241729	2.212 ug/ml
20) T n-Hexatriacontane (C36)	19.998	233922	2.475 ug/mlm
21) T n-Octatriacontane (C38)	20.723	230807	2.632 ug/ml
22) T n-Tetracontane (C40)	21.609	229301	2.665 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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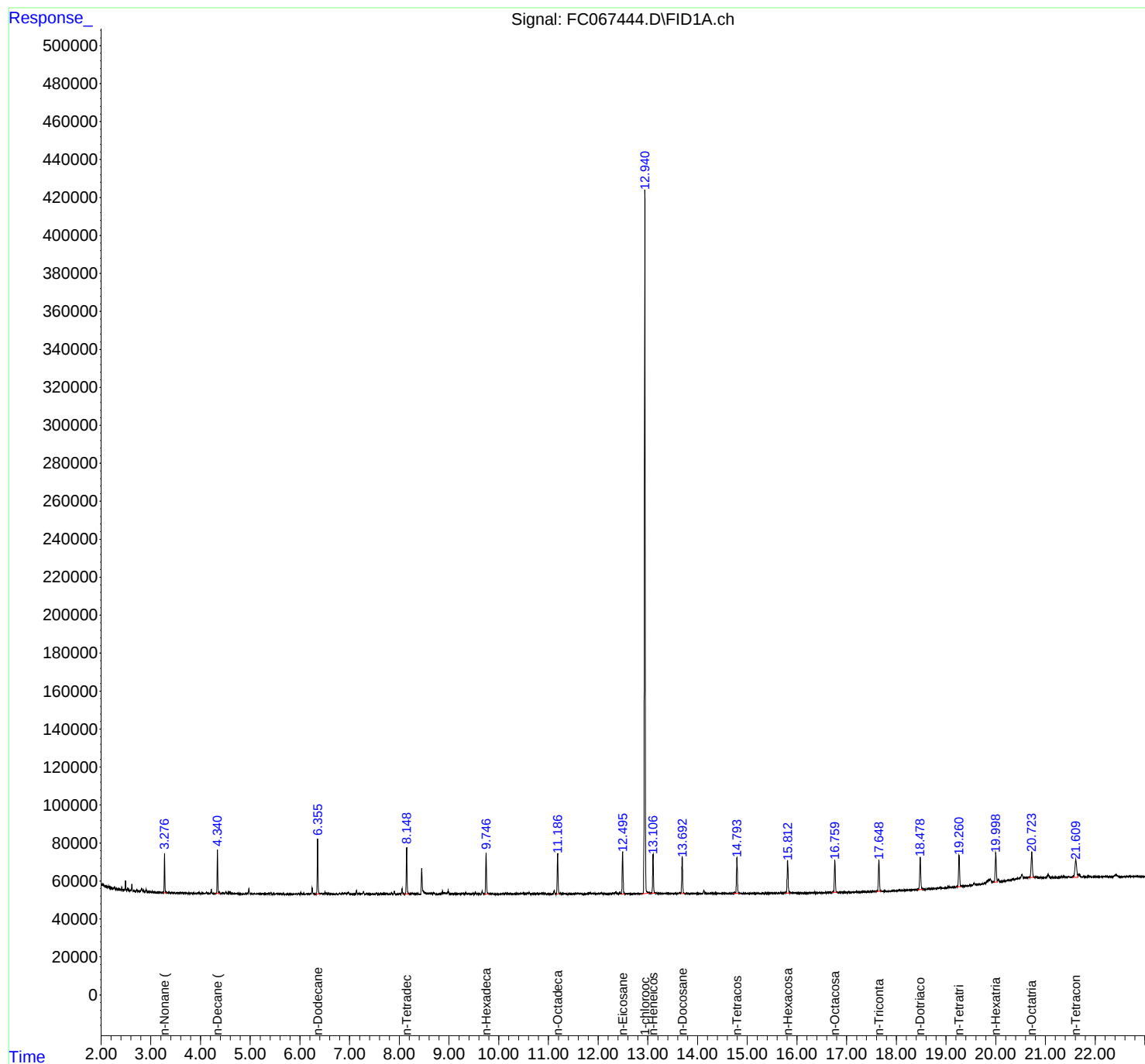
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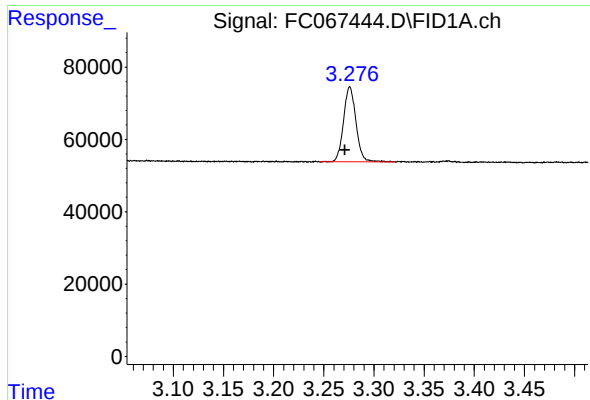
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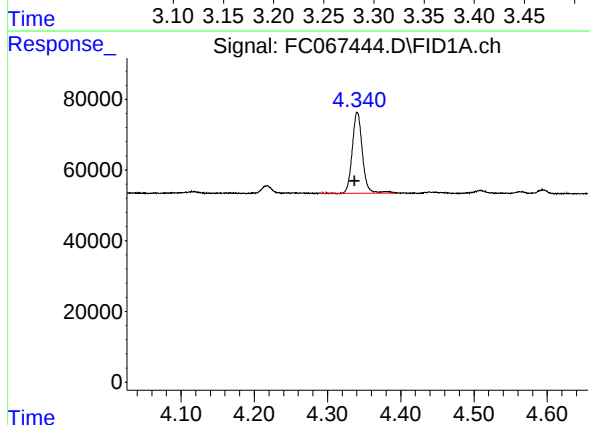
#1 n-Nonane (C9)

R.T.: 3.276 min
Delta R.T.: 0.005 min
Response: 177393
Conc: 1.40 ug/ml

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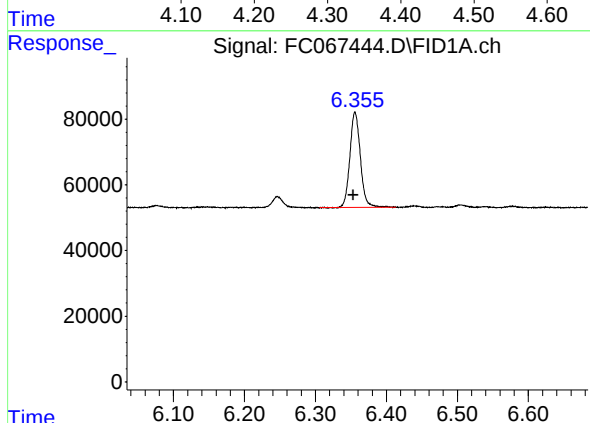
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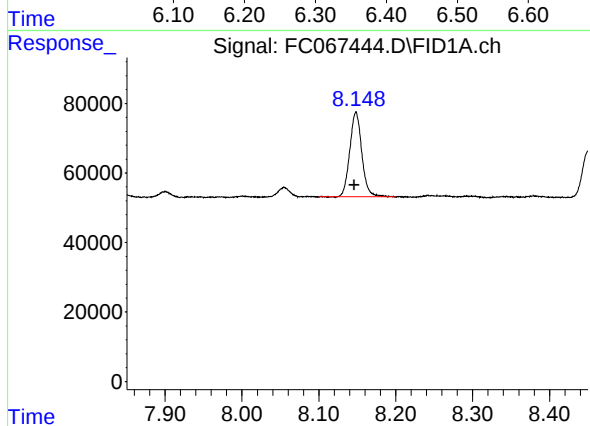
#2 n-Decane (C10)

R.T.: 4.341 min
Delta R.T.: 0.004 min
Response: 220014
Conc: 1.71 ug/ml



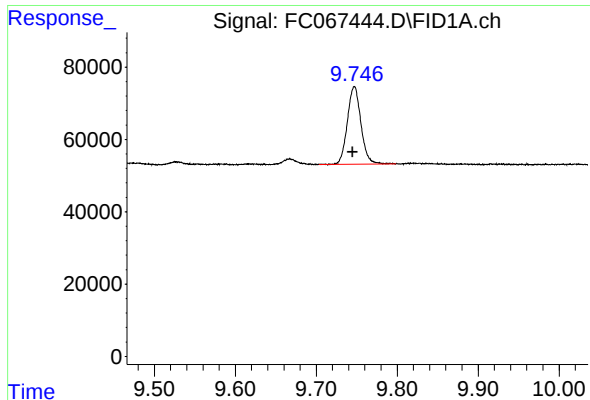
#4 n-Dodecane (C12)

R.T.: 6.356 min
Delta R.T.: 0.003 min
Response: 299335
Conc: 2.31 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.148 min
Delta R.T.: 0.002 min
Response: 265609
Conc: 2.06 ug/ml



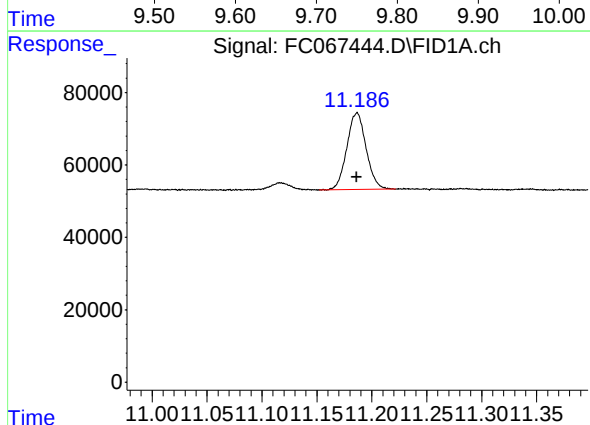
#7 n-Hexadecane (C16)

R.T.: 9.747 min
Delta R.T.: 0.002 min
Response: 251958
Conc: 1.89 ug/ml

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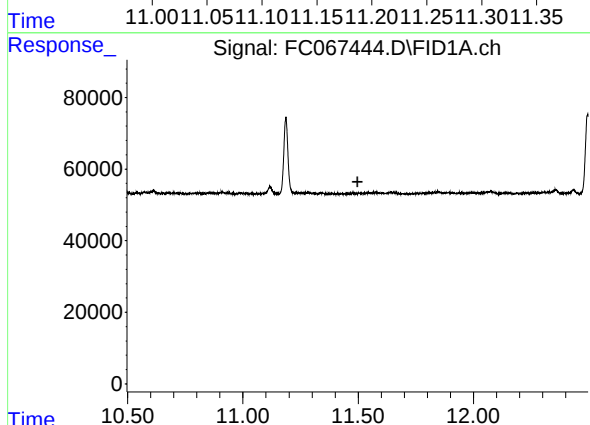
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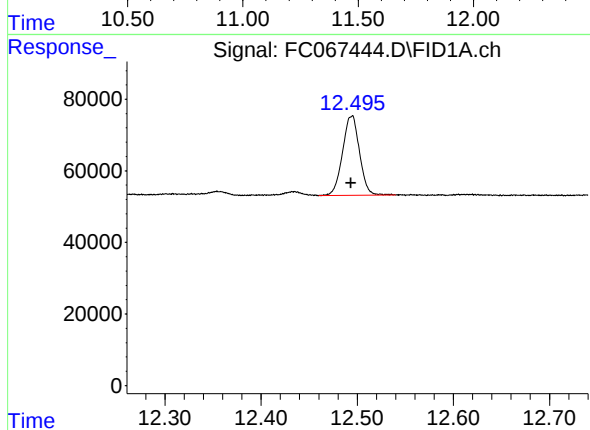
#8 n-Octadecane (C18)

R.T.: 11.186 min
Delta R.T.: 0.000 min
Response: 258593
Conc: 1.91 ug/ml



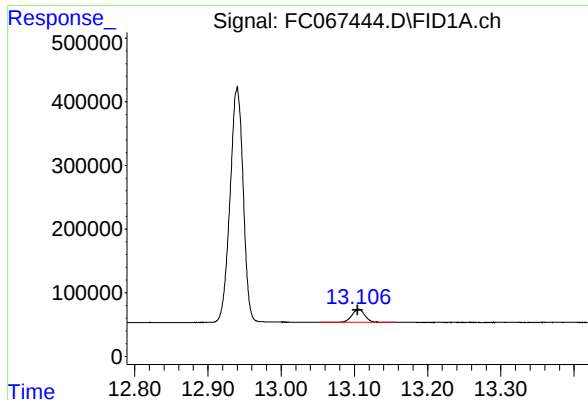
#9 ortho-Terphenyl (SURR)

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: 272145
Conc: 2.08 ug/ml



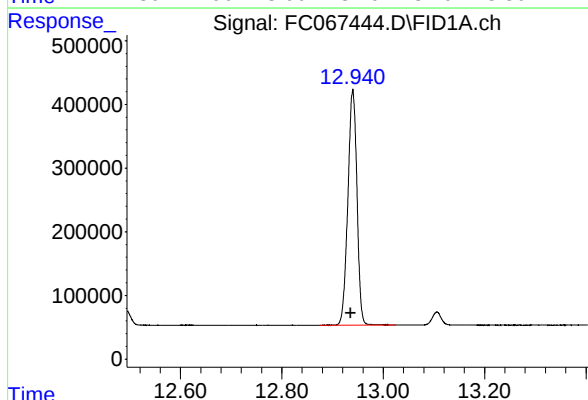
#11 n-Heneicosane (C21)

R.T.: 13.106 min
Delta R.T.: 0.001 min
Response: 248955
Conc: 1.94 ug/ml

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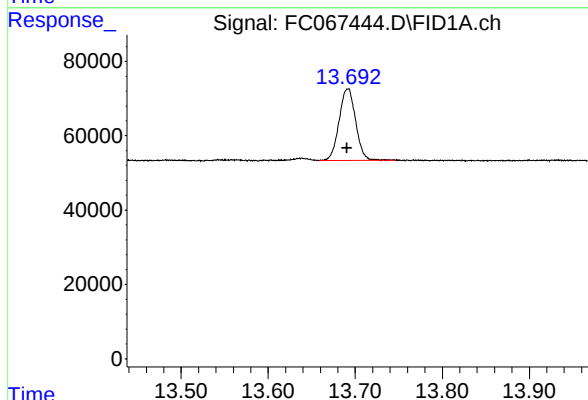
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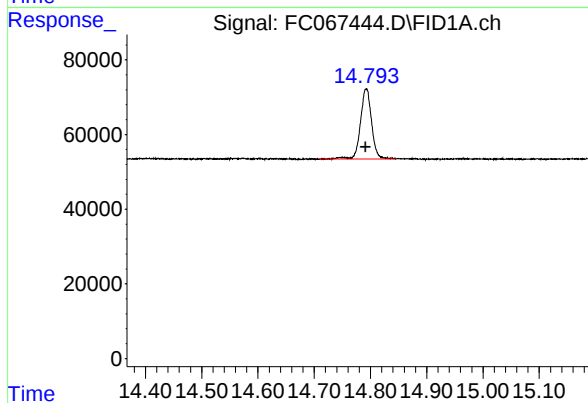
#12 1-chlorooctadecane (SURR)

R.T.: 12.940 min
Delta R.T.: 0.004 min
Response: 4603752
Conc: 40.67 ug/ml



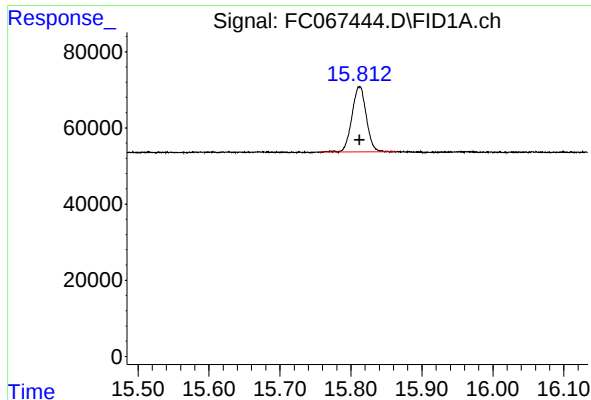
#13 n-Docosane (C22)

R.T.: 13.691 min
Delta R.T.: 0.000 min
Response: 254617
Conc: 1.99 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.793 min
Delta R.T.: 0.000 min
Response: 257448
Conc: 2.01 ug/ml



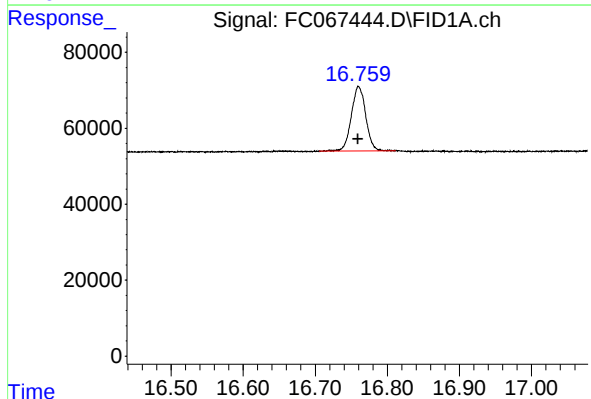
#15 n-Hexacosane (C26)

R.T.: 15.812 min
Delta R.T.: 0.000 min
Response: 241362
Conc: 1.91 ug/ml

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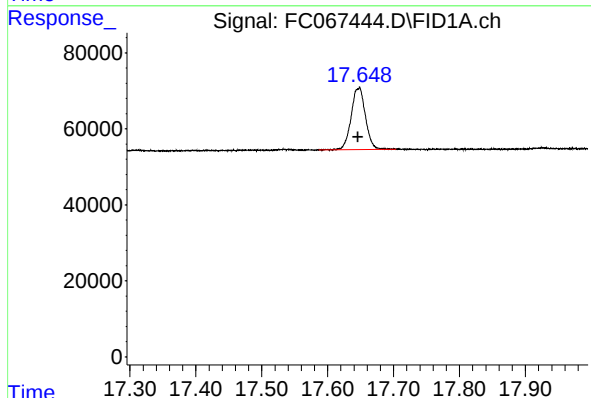
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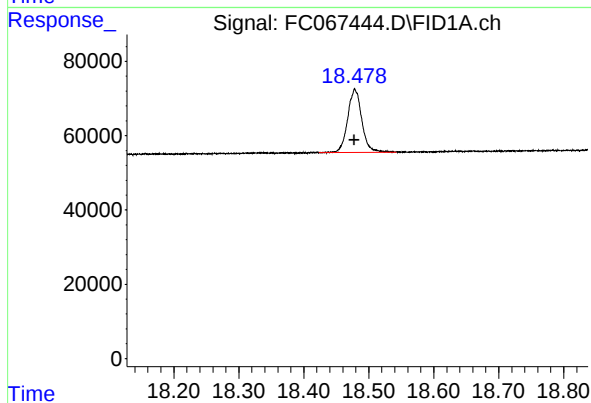
#16 n-Octacosane (C28)

R.T.: 16.760 min
Delta R.T.: 0.000 min
Response: 236476
Conc: 1.88 ug/ml



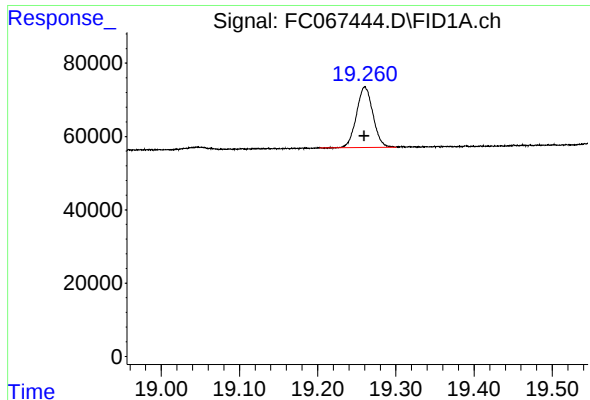
#17 n-Tricontane (C30)

R.T.: 17.647 min
Delta R.T.: 0.000 min
Response: 243767
Conc: 1.89 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.479 min
Delta R.T.: 0.001 min
Response: 255261
Conc: 2.04 ug/ml



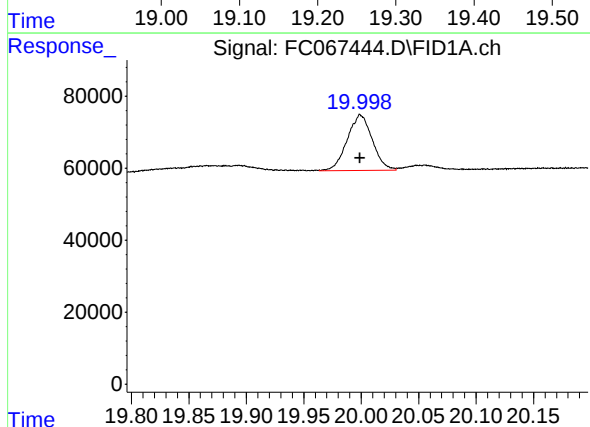
#19 n-Tetratriacontane (C34)

R.T.: 19.260 min
Delta R.T.: 0.000 min
Response: 241729
Conc: 2.21 ug/ml

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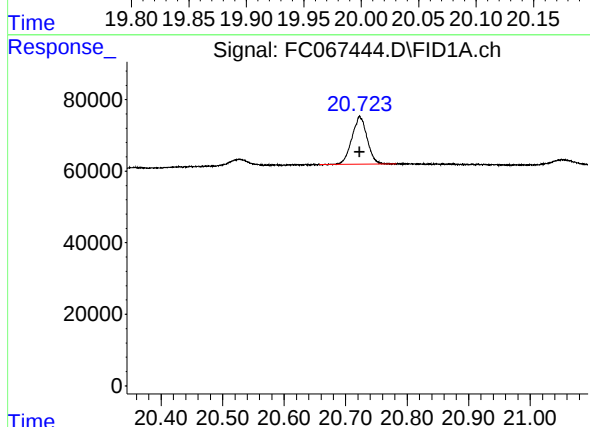
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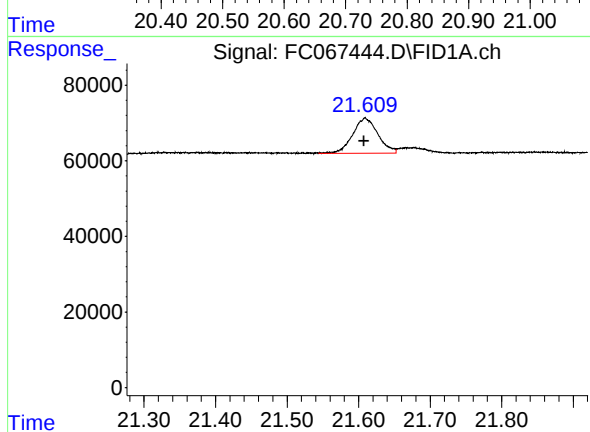
#20 n-Hexatriacontane (C36)

R.T.: 19.998 min
Delta R.T.: 0.000 min
Response: 233922
Conc: 2.47 ug/ml m



#21 n-Octatriacontane (C38)

R.T.: 20.723 min
Delta R.T.: 0.000 min
Response: 230807
Conc: 2.63 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.609 min
Delta R.T.: 0.001 min
Response: 229301
Conc: 2.66 ug/ml m