

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061125AL\
 Data File : FC069178.D
 Signal(s) : FID1A.ch
 Acq On : 12 Jun 2025 08:02
 Operator : YP/AJ
 Sample : Q2126-08
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/12/2025
 Supervised By :mohammad ahmed 06/13/2025

Integration File: autoint1.e
 Quant Time: Jun 12 08:40:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 01:48:55 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...	13.114	2822850	31.465 ug/ml
Spiked Amount 50.000		Recovery =	62.93%
Target Compounds			
1) T n-Nonane (C9)	3.405	312696	2.947 ug/ml
2) T n-Decane (C10)	4.480	384112	3.627 ug/mlm
4) T n-Dodecane (C12)	6.506	414990	3.948 ug/ml
6) T n-Tetradecane (C14)	8.305	446188	4.353 ug/ml
7) T n-Hexadecane (C16)	9.909	445634	4.392 ug/mlm
8) T n-Octadecane (C18)	11.354	465154	4.654 ug/ml
10) T n-Eicosane (C20)	12.666	485535	4.985 ug/ml
11) T n-Heneicosane (C21)	13.279	457730	4.755 ug/ml
13) T n-Docosane (C22)	13.867	469376	4.927 ug/ml
14) T n-Tetracosane (C24)	14.971	464232	4.931 ug/ml
15) T n-Hexacosane (C26)	15.995	458838	4.942 ug/ml
16) T n-Octacosane (C28)	16.946	466422	5.018 ug/ml
17) T n-Tricontane (C30)	17.836	489823	5.062 ug/ml
18) T n-Dotriacontane (C32)	18.670	499989	5.045 ug/ml
19) T n-Tetratriacontane (C34)	19.455	482638	5.008 ug/ml
20) T n-Hexatriacontane (C36)	20.198	447534	4.714 ug/ml
21) T n-Octatriacontane (C38)	20.966	411916	4.515 ug/ml
22) T n-Tetracontane (C40)	21.935	361230	4.094 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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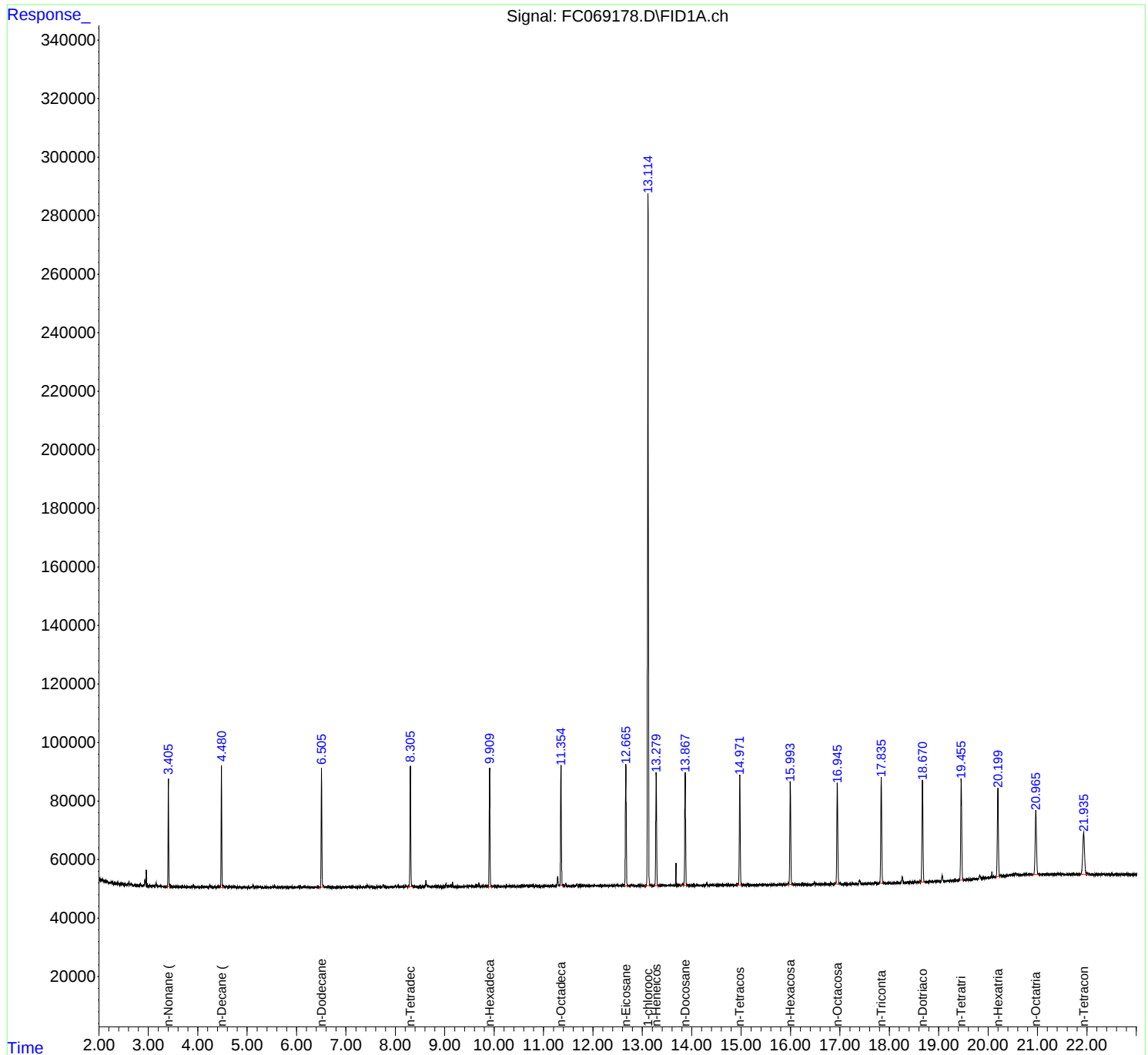
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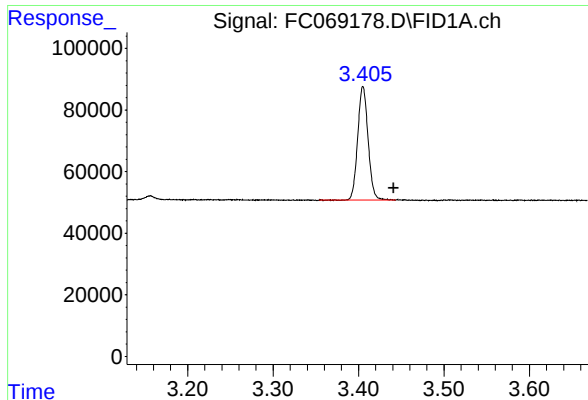
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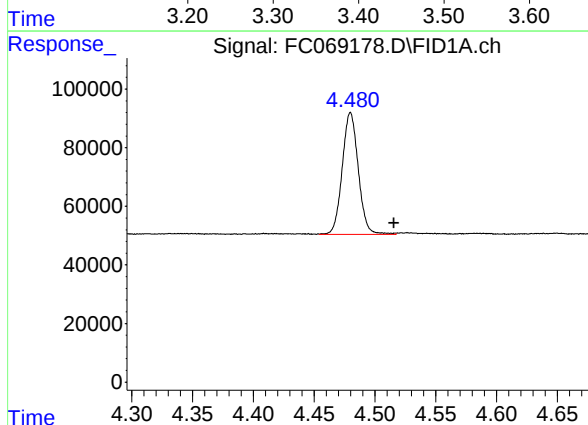
#1 n-Nonane (C9)

R.T.: 3.405 min
Delta R.T.: -0.036 min
Response: 312696
Conc: 2.95 ug/ml

Instrument :
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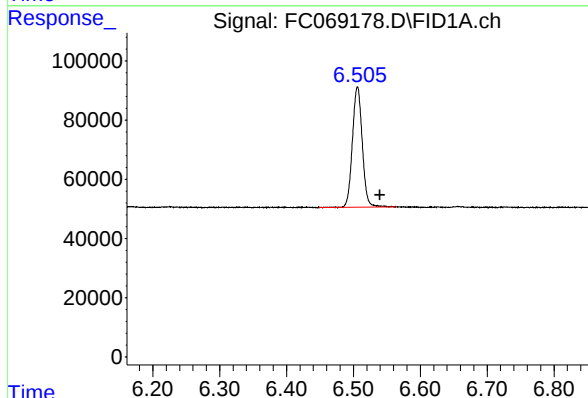
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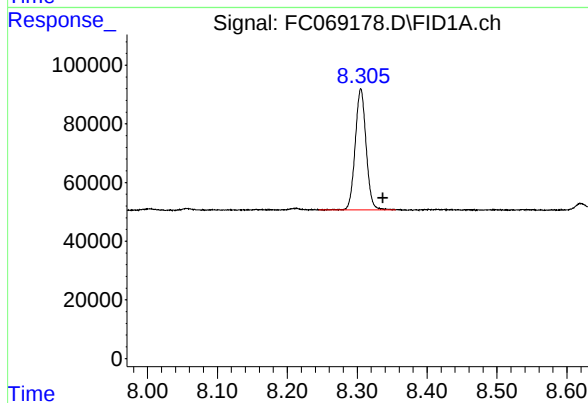
#2 n-Decane (C10)

R.T.: 4.480 min
Delta R.T.: -0.036 min
Response: 384112
Conc: 3.63 ug/ml m



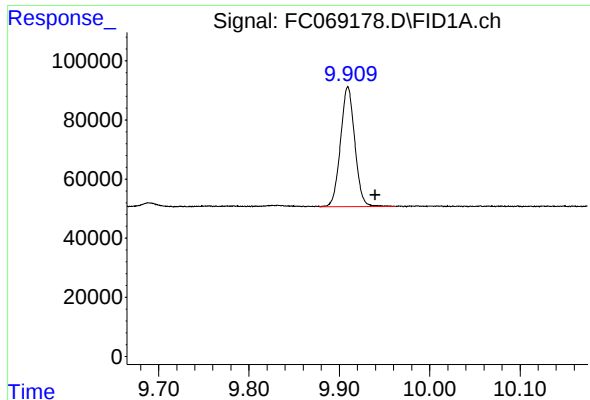
#4 n-Dodecane (C12)

R.T.: 6.506 min
Delta R.T.: -0.034 min
Response: 414990
Conc: 3.95 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.305 min
Delta R.T.: -0.032 min
Response: 446188
Conc: 4.35 ug/ml



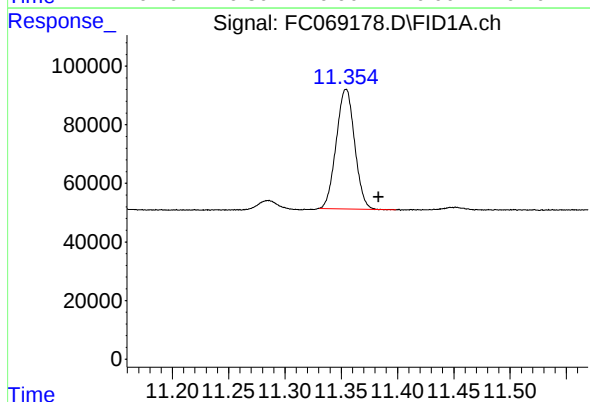
#7 n-Hexadecane (C16)

R.T.: 9.909 min
Delta R.T.: -0.031 min
Response: 445634
Conc: 4.39 ug/ml

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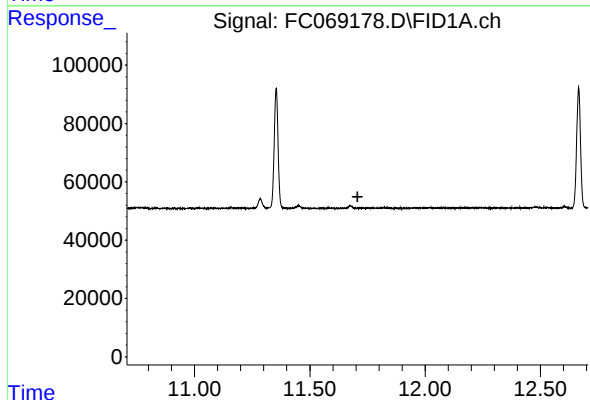
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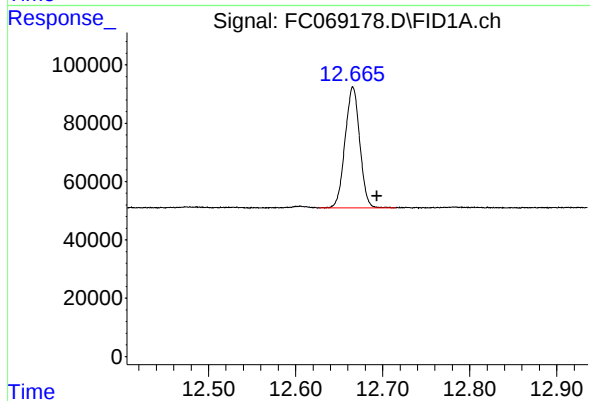
#8 n-Octadecane (C18)

R.T.: 11.354 min
Delta R.T.: -0.029 min
Response: 465154
Conc: 4.65 ug/ml



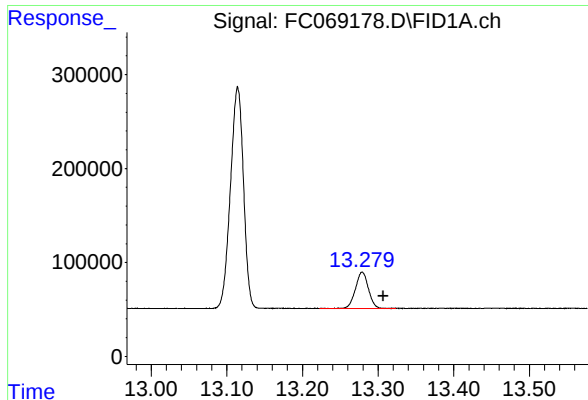
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.707 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.666 min
Delta R.T.: -0.028 min
Response: 485535
Conc: 4.99 ug/ml



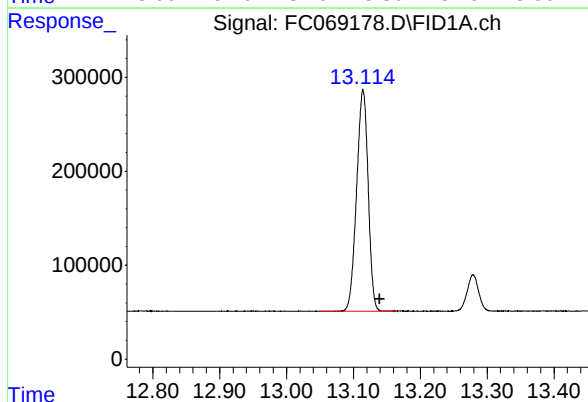
#11 n-Heneicosane (C21)

R.T.: 13.279 min
Delta R.T.: -0.028 min
Response: 457730
Conc: 4.76 ug/ml

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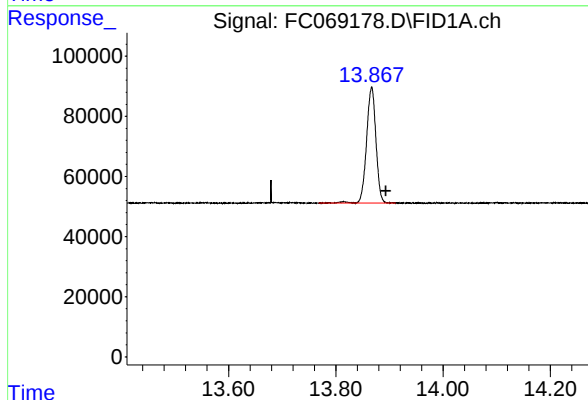
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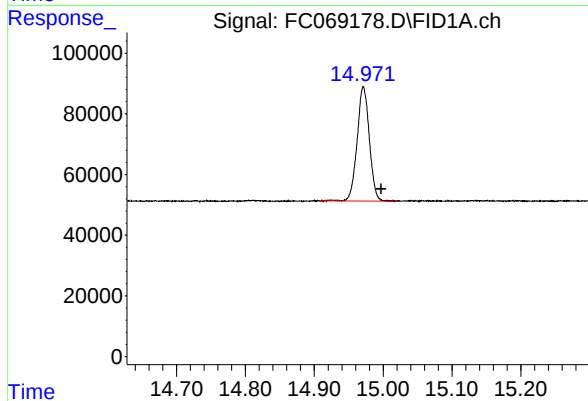
#12 1-chlorooctadecane (SURR)

R.T.: 13.114 min
Delta R.T.: -0.025 min
Response: 2822850
Conc: 31.47 ug/ml



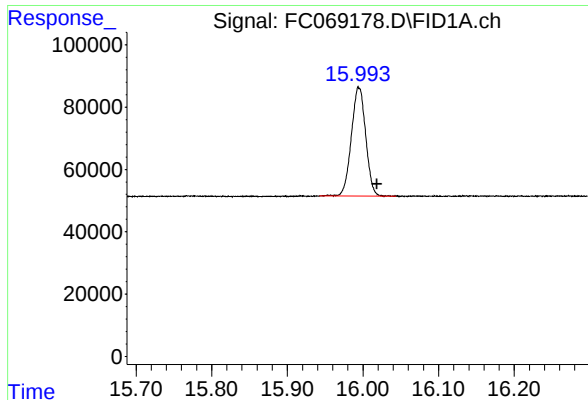
#13 n-Docosane (C22)

R.T.: 13.867 min
Delta R.T.: -0.027 min
Response: 469376
Conc: 4.93 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.971 min
Delta R.T.: -0.026 min
Response: 464232
Conc: 4.93 ug/ml



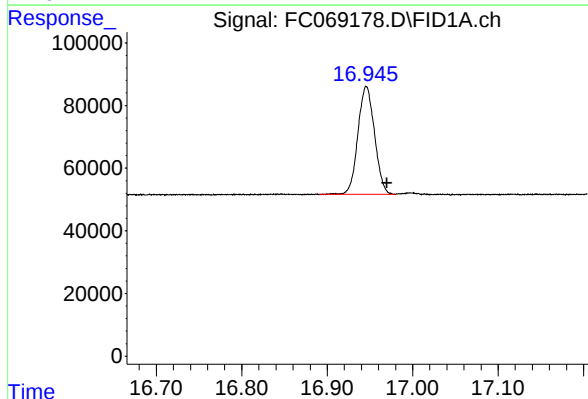
#15 n-Hexacosane (C26)

R.T.: 15.995 min
Delta R.T.: -0.024 min
Response: 458838
Conc: 4.94 ug/ml

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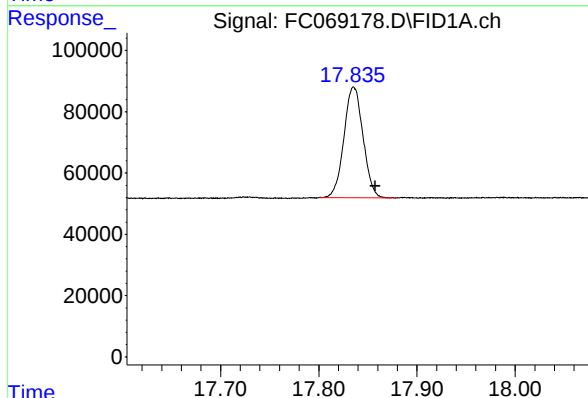
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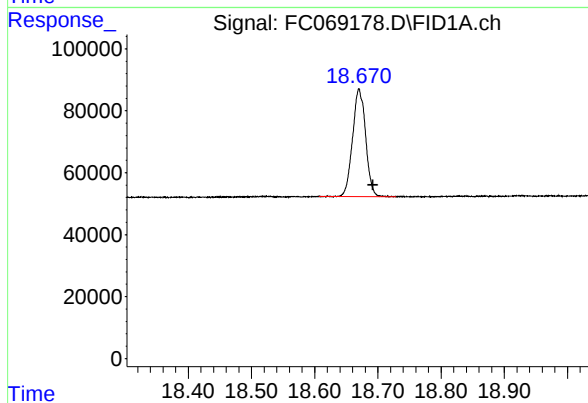
#16 n-Octacosane (C28)

R.T.: 16.946 min
Delta R.T.: -0.024 min
Response: 466422
Conc: 5.02 ug/ml



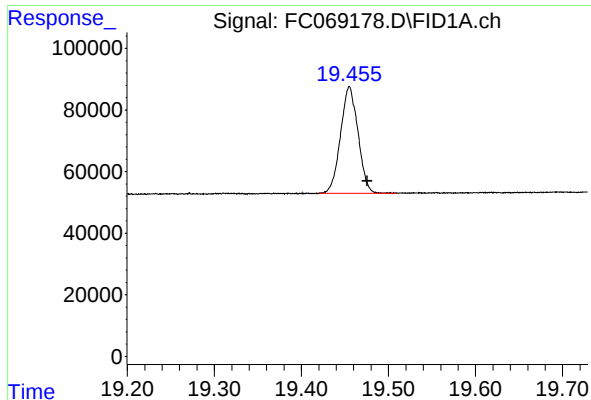
#17 n-Tricontane (C30)

R.T.: 17.836 min
Delta R.T.: -0.022 min
Response: 489823
Conc: 5.06 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.670 min
Delta R.T.: -0.022 min
Response: 499989
Conc: 5.05 ug/ml



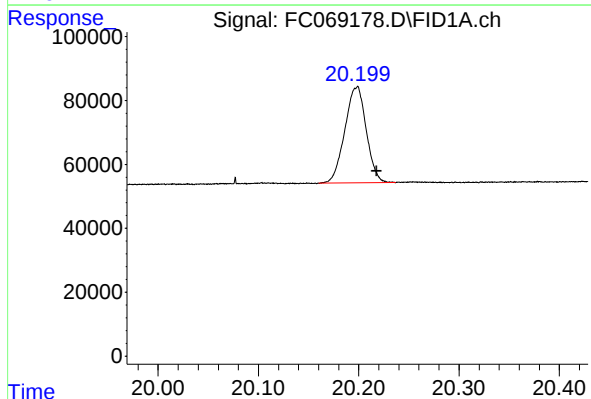
#19 n-Tetratriacontane (C34)

R.T.: 19.455 min
Delta R.T.: -0.021 min
Response: 482638
Conc: 5.01 ug/ml

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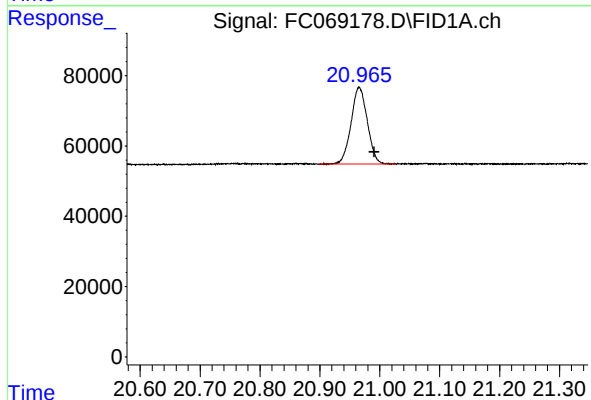
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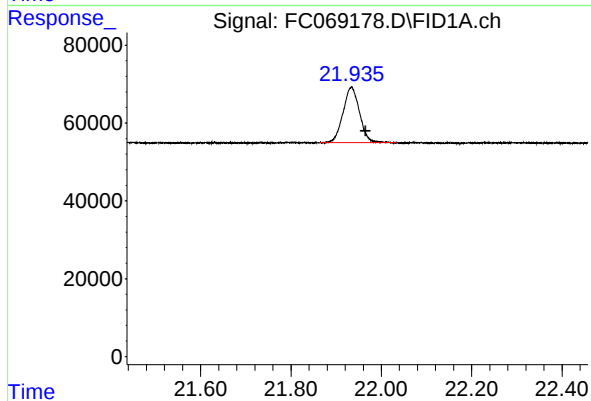
#20 n-Hexatriacontane (C36)

R.T.: 20.198 min
Delta R.T.: -0.020 min
Response: 447534
Conc: 4.71 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.966 min
Delta R.T.: -0.025 min
Response: 411916
Conc: 4.51 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.935 min
Delta R.T.: -0.030 min
Response: 361230
Conc: 4.09 ug/ml m