

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC012925AL\
 Data File : FC068147.D
 Signal(s) : FID1A.ch
 Acq On : 29 Jan 2025 10:33
 Operator : YP/AJ
 Sample : Q1168-01
 Misc : 4 PPM SOIL LOD
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :Ankita Jodhani 01/30/2025

Integration File: autoint1.e
 Quant Time: Jan 30 01:29:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
 Quant Title : GC Extractables
 QLast Update : Sat Jan 25 04:31:18 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...	12.865	3452194	30.018 ug/ml
Spiked Amount 50.000		Recovery =	60.04%
Target Compounds			
1) T n-Nonane (C9)	3.231	269358	1.967 ug/ml
2) T n-Decane (C10)	4.287	306418	2.207 ug/mlm
4) T n-Dodecane (C12)	6.296	360308	2.579 ug/ml
6) T n-Tetradecane (C14)	8.084	355452	2.604 ug/ml
7) T n-Hexadecane (C16)	9.680	343769	2.474 ug/ml
8) T n-Octadecane (C18)	11.117	362277	2.589 ug/mlm
10) T n-Eicosane (C20)	12.422	368017	2.750 ug/ml
11) T n-Heneicosane (C21)	13.032	352357	2.683 ug/ml
13) T n-Docosane (C22)	13.618	347194	2.680 ug/ml
14) T n-Tetracosane (C24)	14.718	335242	2.611 ug/ml
15) T n-Hexacosane (C26)	15.736	331773	2.637 ug/ml
16) T n-Octacosane (C28)	16.684	342016	2.735 ug/ml
17) T n-Tricontane (C30)	17.570	368621	2.852 ug/ml
18) T n-Dotriacontane (C32)	18.401	379379	3.035 ug/ml
19) T n-Tetratriacontane (C34)	19.183	364880	3.364 ug/ml
20) T n-Hexatriacontane (C36)	19.922	333893	3.608 ug/ml
21) T n-Octatriacontane (C38)	20.636	326602	3.812 ug/ml
22) T n-Tetracontane (C40)	21.498	309073	3.822 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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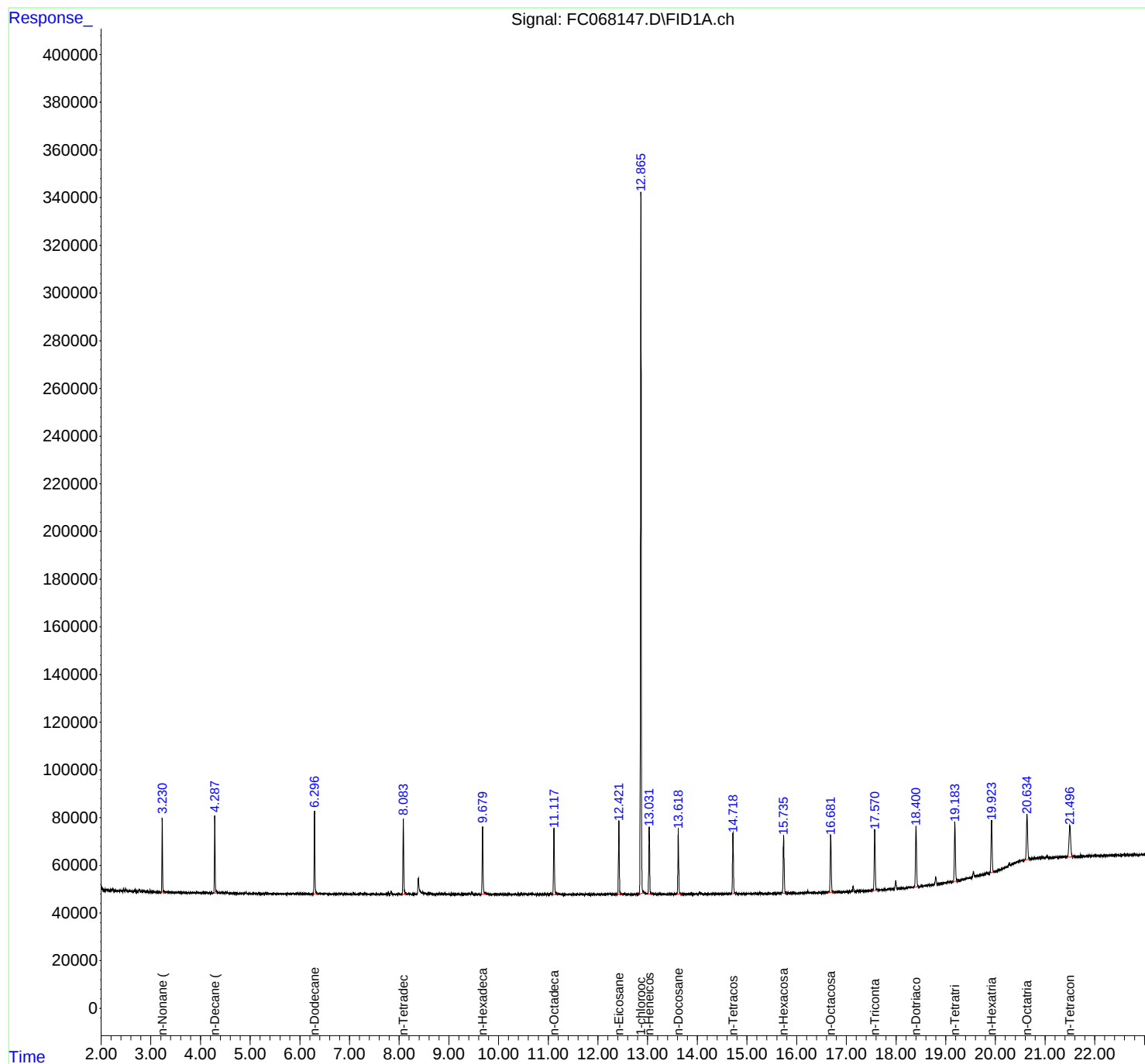
Instrument :
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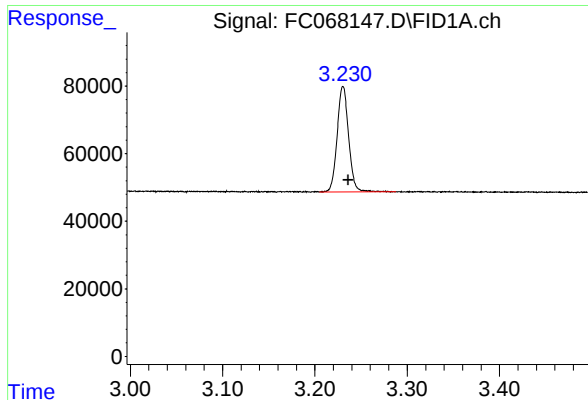
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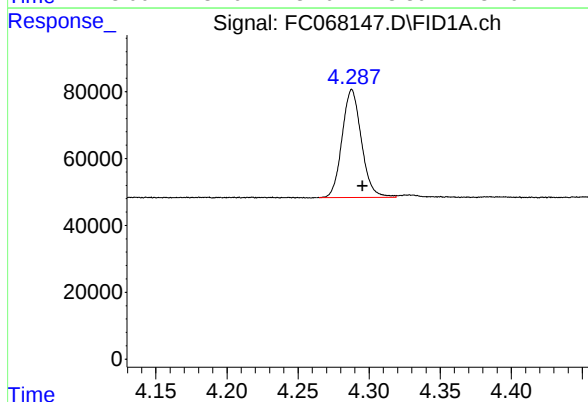
#1 n-Nonane (C9)

R.T.: 3.231 min
Delta R.T.: -0.005 min
Response: 269358
Conc: 1.97 ug/ml

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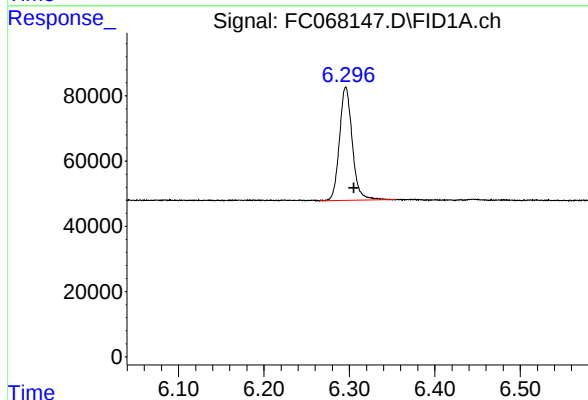
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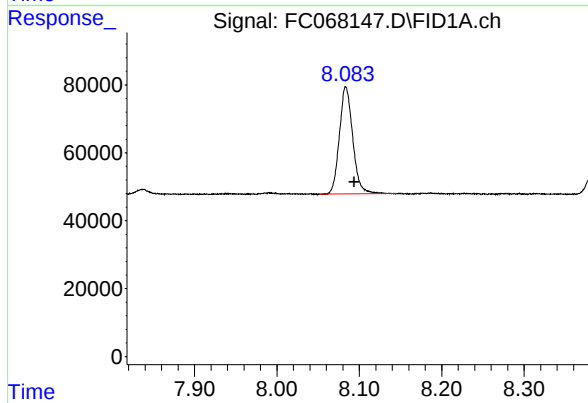
#2 n-Decane (C10)

R.T.: 4.287 min
Delta R.T.: -0.008 min
Response: 306418
Conc: 2.21 ug/ml



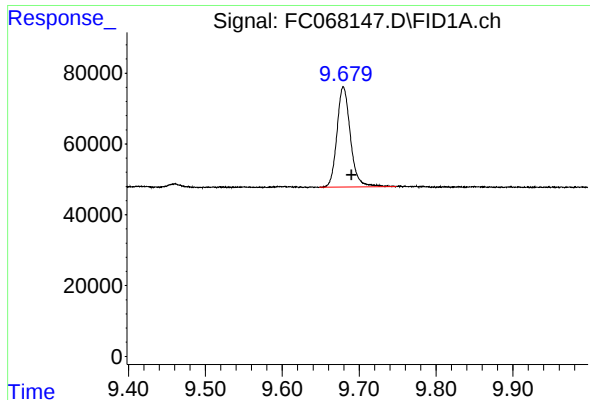
#4 n-Dodecane (C12)

R.T.: 6.296 min
Delta R.T.: -0.010 min
Response: 360308
Conc: 2.58 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.084 min
Delta R.T.: -0.010 min
Response: 355452
Conc: 2.60 ug/ml



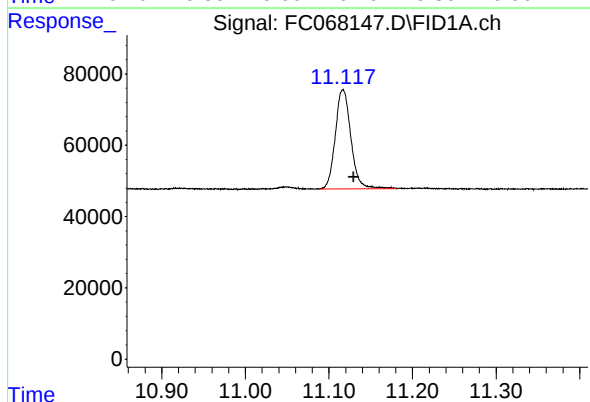
#7 n-Hexadecane (C16)

R.T.: 9.680 min
Delta R.T.: -0.011 min
Response: 343769
Conc: 2.47 ug/ml

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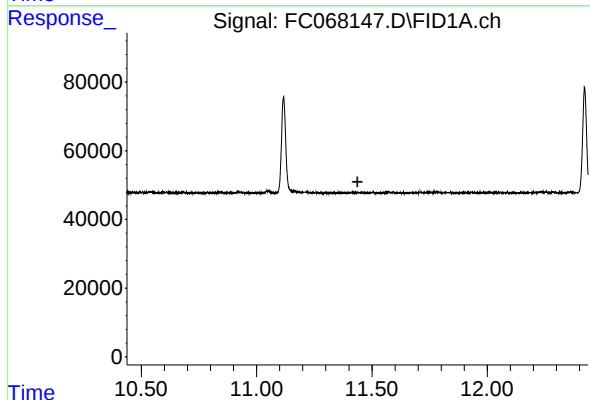
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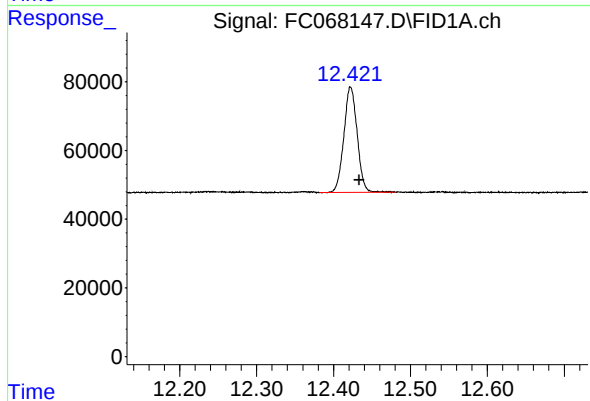
#8 n-Octadecane (C18)

R.T.: 11.117 min
Delta R.T.: -0.013 min
Response: 362277
Conc: 2.59 ug/ml



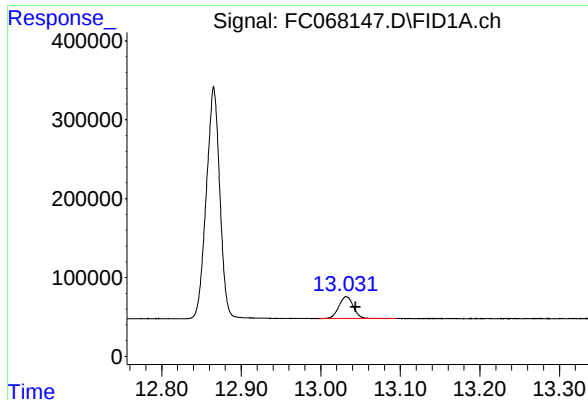
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.437 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.422 min
Delta R.T.: -0.011 min
Response: 368017
Conc: 2.75 ug/ml



#11 n-Heneicosane (C21)

R.T.: 13.032 min
Delta R.T.: -0.011 min
Response: 352357
Conc: 2.68 ug/ml

Instrument :

FID_C

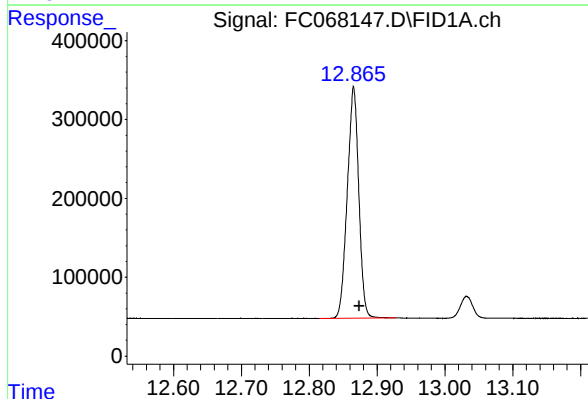
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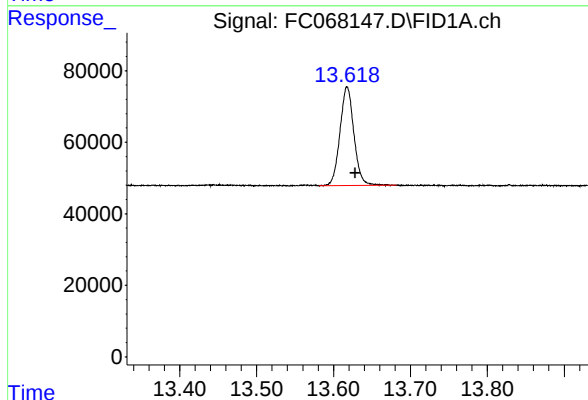
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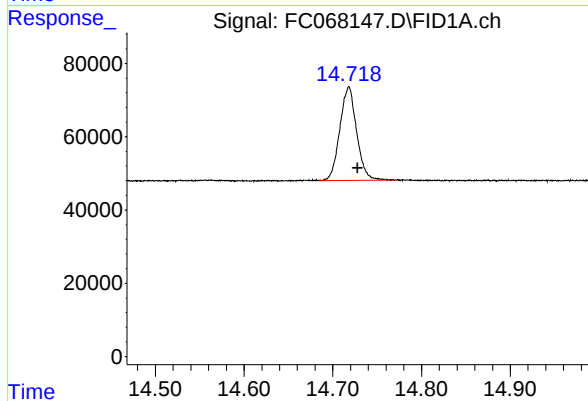
#12 1-chlorooctadecane (SURR)

R.T.: 12.865 min
Delta R.T.: -0.008 min
Response: 3452194
Conc: 30.02 ug/ml



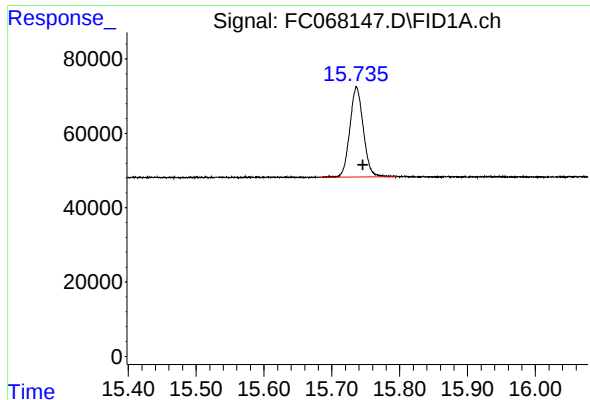
#13 n-Docosane (C22)

R.T.: 13.618 min
Delta R.T.: -0.011 min
Response: 347194
Conc: 2.68 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.718 min
Delta R.T.: -0.010 min
Response: 335242
Conc: 2.61 ug/ml



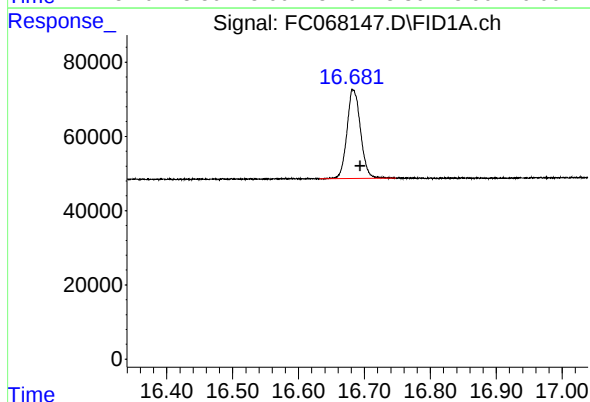
#15 n-Hexacosane (C26)

R.T.: 15.736 min
Delta R.T.: -0.010 min
Response: 331773
Conc: 2.64 ug/ml

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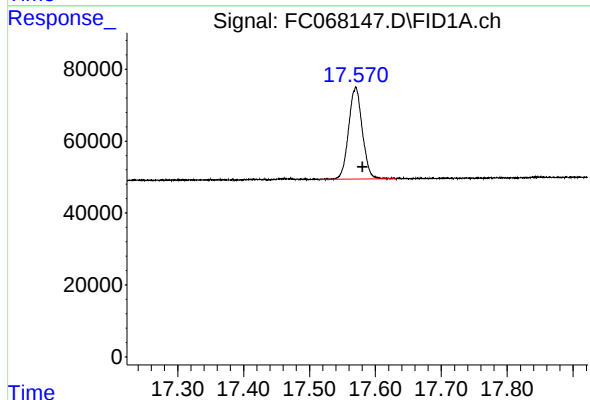
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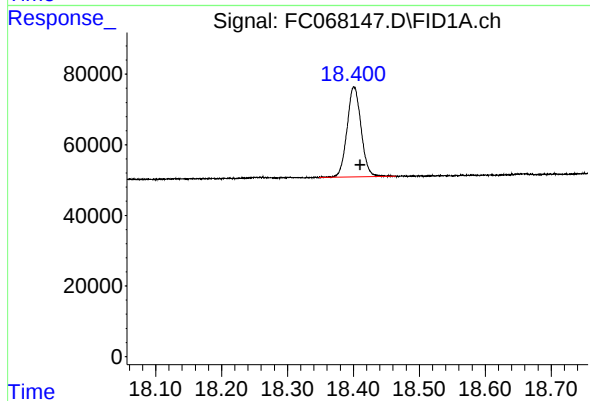
#16 n-Octacosane (C28)

R.T.: 16.684 min
Delta R.T.: -0.010 min
Response: 342016
Conc: 2.73 ug/ml



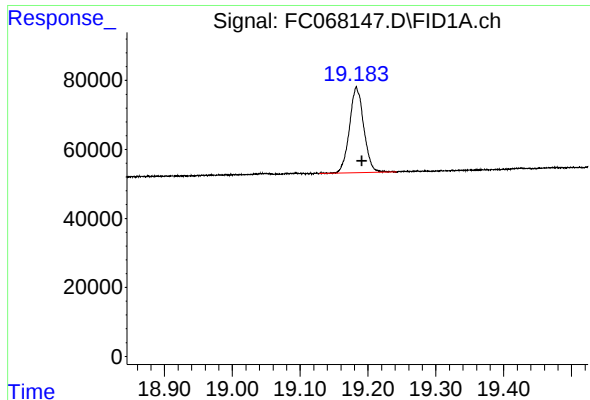
#17 n-Tricontane (C30)

R.T.: 17.570 min
Delta R.T.: -0.011 min
Response: 368621
Conc: 2.85 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.401 min
Delta R.T.: -0.009 min
Response: 379379
Conc: 3.03 ug/ml



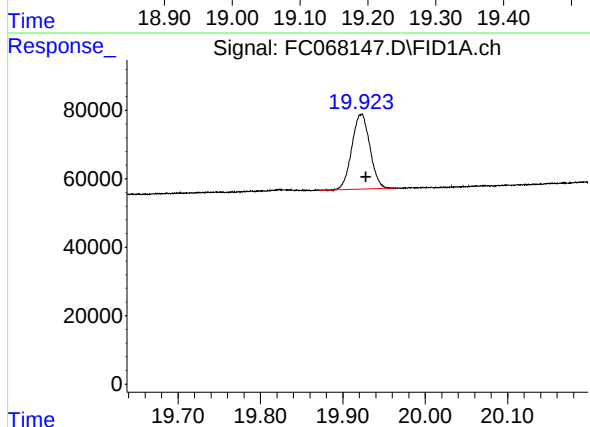
#19 n-Tetratriacontane (C34)

R.T.: 19.183 min
Delta R.T.: -0.008 min
Response: 364880
Conc: 3.36 ug/ml

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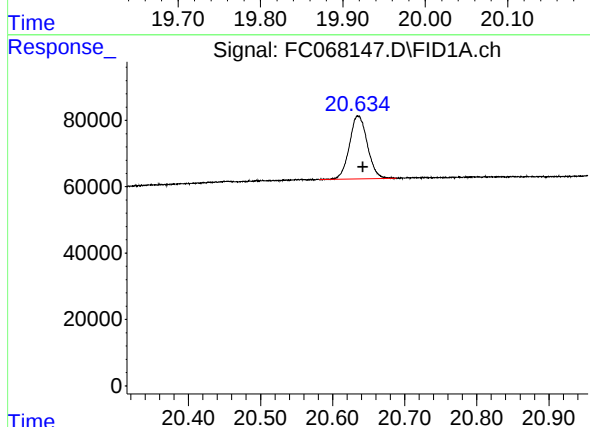
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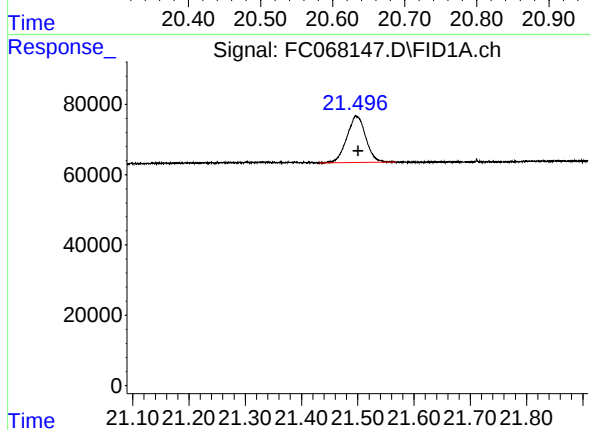
#20 n-Hexatriacontane (C36)

R.T.: 19.922 min
Delta R.T.: -0.006 min
Response: 333893
Conc: 3.61 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.636 min
Delta R.T.: -0.006 min
Response: 326602
Conc: 3.81 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.498 min
Delta R.T.: -0.003 min
Response: 309073
Conc: 3.82 ug/ml