

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F100523AL\
 Data File : FC064741.D
 Signal(s) : FID1A.ch
 Acq On : 05 Oct 2023 10:48
 Operator : YP/AJ
 Sample : 04699-01
 Misc : 2.5PPM SOIL LOD
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/06/2023
 Supervised By :Ankita Jodhani 10/06/2023

Integration File: autoint1.e
 Quant Time: Oct 05 23:53:16 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091523.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 15 01:25:53 2023
 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...	12.952	3437646	23.601 ug/ml
Spiked Amount 50.000		Recovery =	47.20%
Target Compounds			
1) T n-Nonane (C9)	3.329	244357	1.383 ug/mlm
2) T n-Decane (C10)	4.388	269252	1.499 ug/ml
4) T n-Dodecane (C12)	6.394	414469	2.282 ug/ml
6) T n-Tetradecane (C14)	8.181	389737	2.196 ug/mlm
7) T n-Hexadecane (C16)	9.776	390703	2.174 ug/mlm
8) T n-Octadecane (C18)	11.209	394620	2.180 ug/ml
10) T n-Eicosane (C20)	12.511	414794	2.435 ug/ml
11) T n-Heneicosane (C21)	13.120	411874	2.487 ug/ml
13) T n-Docosane (C22)	13.704	379249	2.328 ug/ml
14) T n-Tetracosane (C24)	14.800	384248	2.420 ug/ml
15) T n-Hexacosane (C26)	15.816	365623	2.395 ug/ml
16) T n-Octacosane (C28)	16.760	357931	2.418 ug/ml
17) T n-Tricontane (C30)	17.643	365365	2.459 ug/ml
18) T n-Dotriacontane (C32)	18.472	356908	2.446 ug/ml
19) T n-Tetratriacontane (C34)	19.251	336604	2.368 ug/ml
20) T n-Hexatriacontane (C36)	19.987	298538	2.167 ug/ml
21) T n-Octatriacontane (C38)	20.706	275465	2.010 ug/ml
22) T n-Tetracontane (C40)	21.586	244475	1.797 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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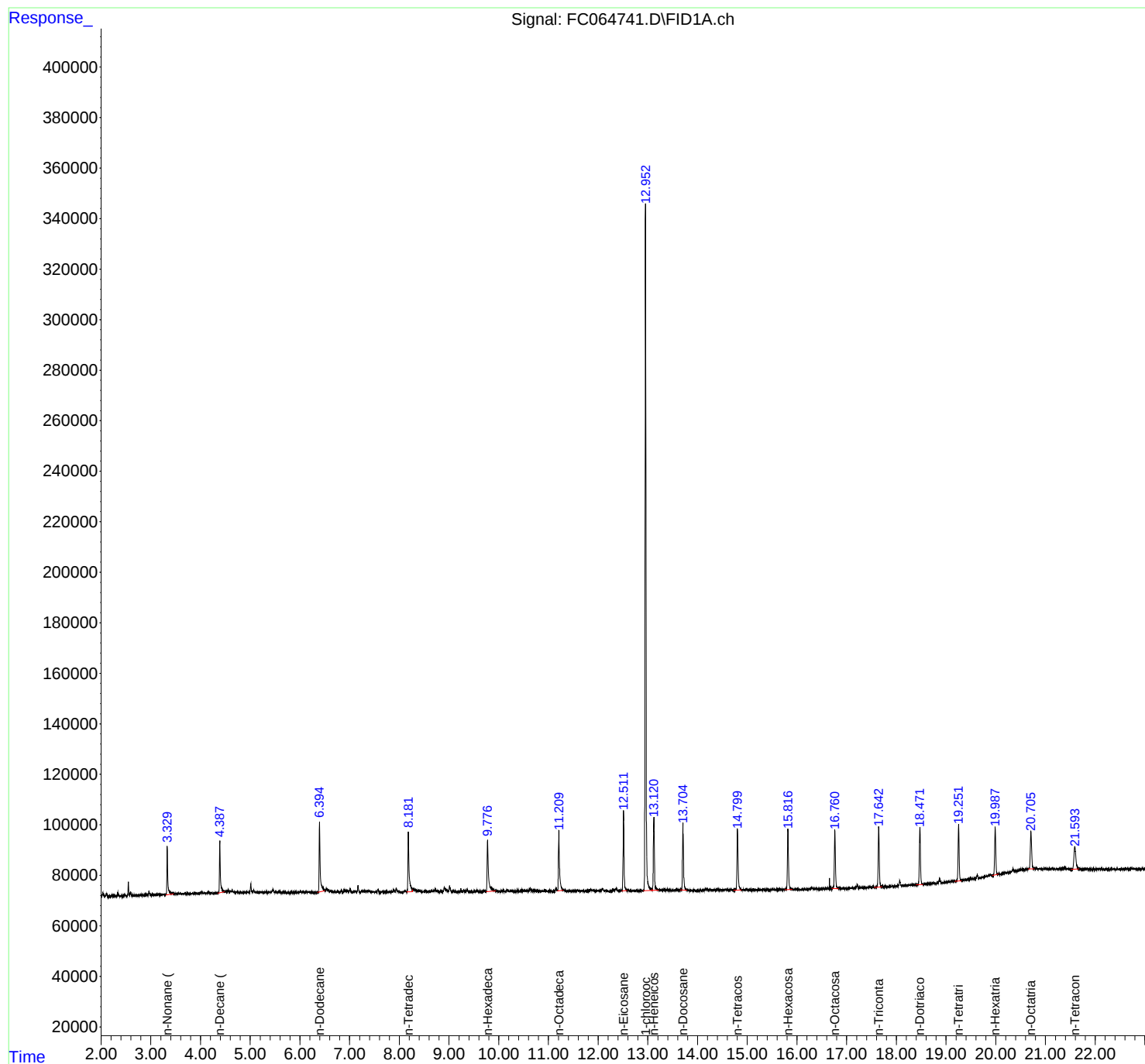
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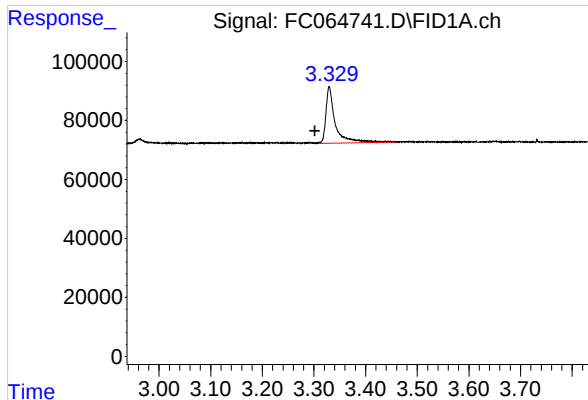
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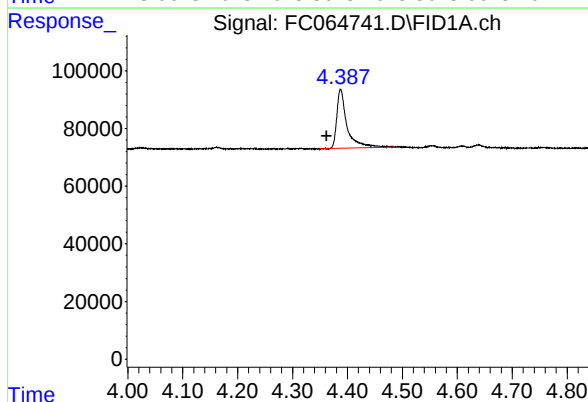
#1 n-Nonane (C9)

R.T.: 3.329 min
Delta R.T.: 0.027 min
Response: 244357
Conc: 1.38 ug/ml

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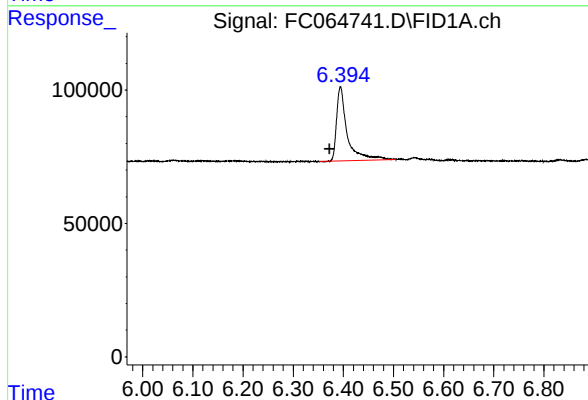
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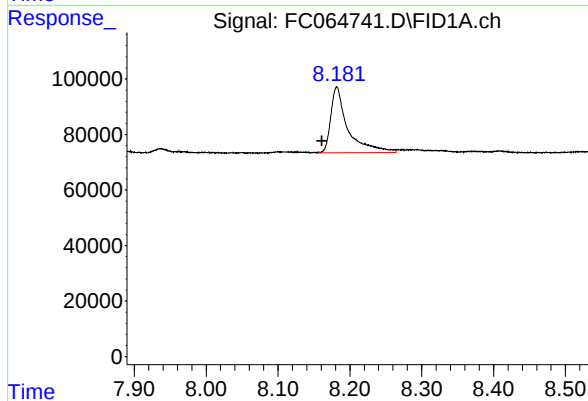
#2 n-Decane (C10)

R.T.: 4.388 min
Delta R.T.: 0.025 min
Response: 269252
Conc: 1.50 ug/ml



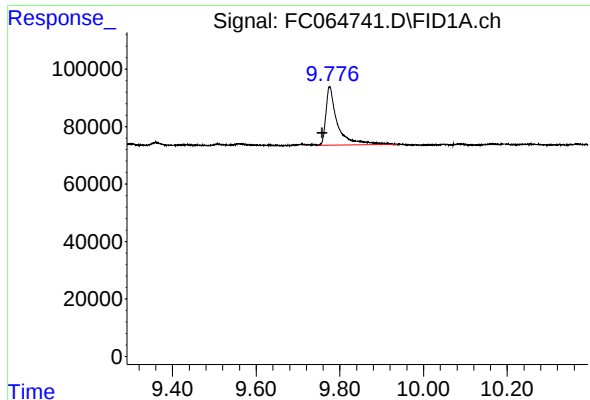
#4 n-Dodecane (C12)

R.T.: 6.394 min
Delta R.T.: 0.022 min
Response: 414469
Conc: 2.28 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.181 min
Delta R.T.: 0.020 min
Response: 389737
Conc: 2.20 ug/ml m



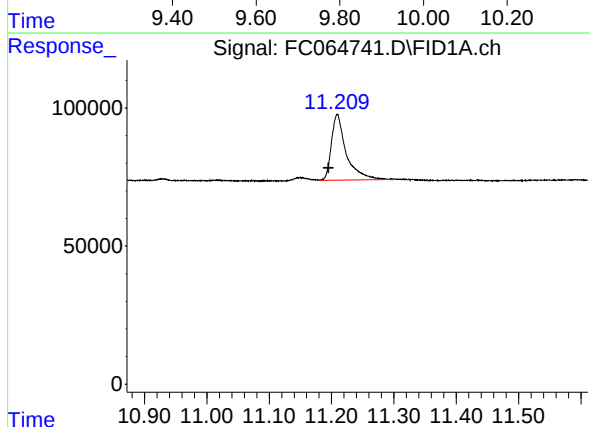
#7 n-Hexadecane (C16)

R.T.: 9.776 min
Delta R.T.: 0.017 min
Response: 390703
Conc: 2.17 ug/ml

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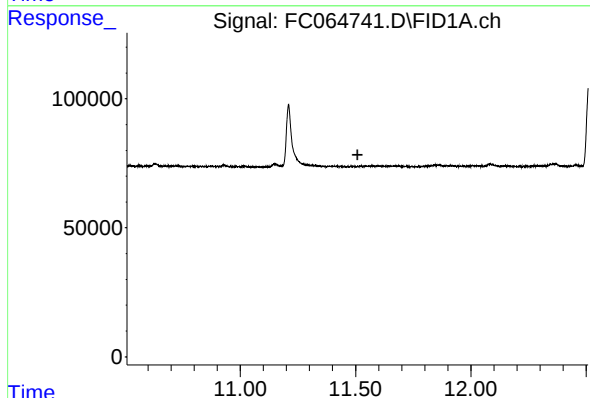
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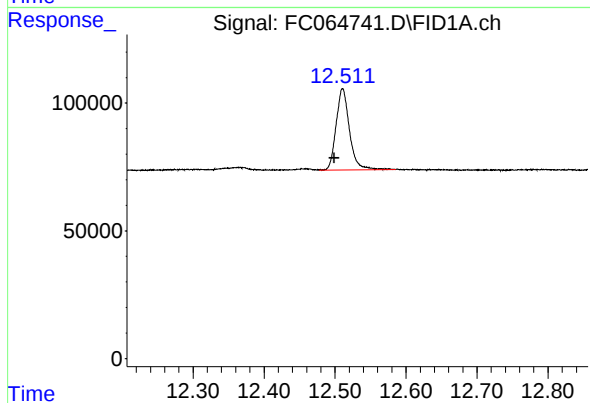
#8 n-Octadecane (C18)

R.T.: 11.209 min
Delta R.T.: 0.014 min
Response: 394620
Conc: 2.18 ug/ml



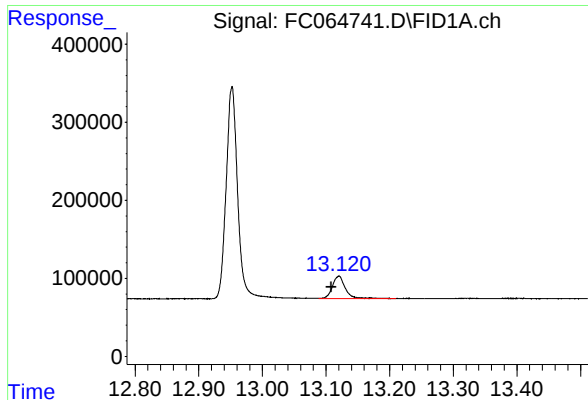
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.508 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.511 min
Delta R.T.: 0.011 min
Response: 414794
Conc: 2.44 ug/ml



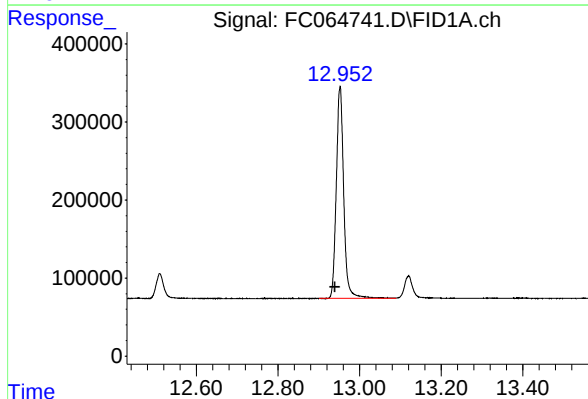
#11 n-Heneicosane (C21)

R.T.: 13.120 min
Delta R.T.: 0.012 min
Response: 411874
Conc: 2.49 ug/ml

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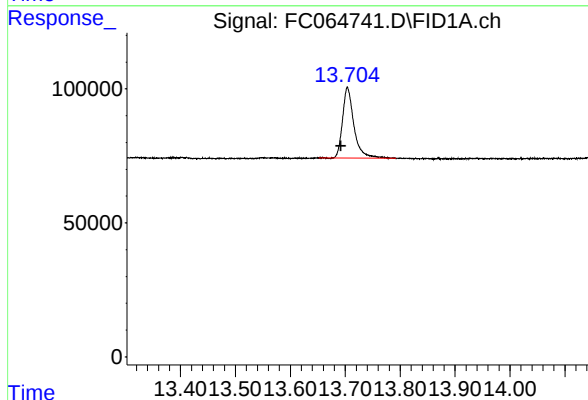
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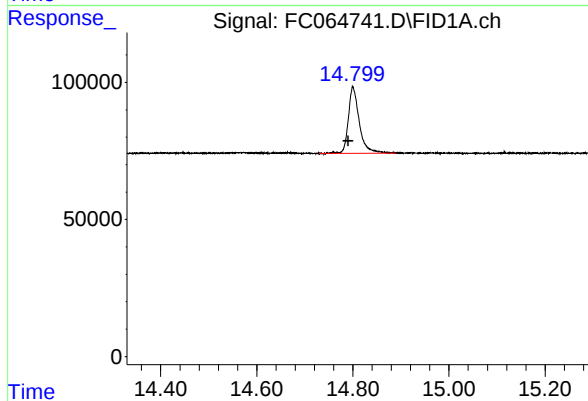
#12 1-chlorooctadecane (SURR)

R.T.: 12.952 min
Delta R.T.: 0.012 min
Response: 3437646
Conc: 23.60 ug/ml



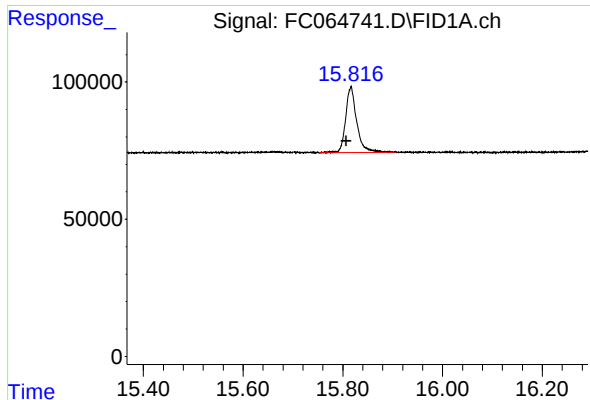
#13 n-Docosane (C22)

R.T.: 13.704 min
Delta R.T.: 0.012 min
Response: 379249
Conc: 2.33 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.800 min
Delta R.T.: 0.010 min
Response: 384248
Conc: 2.42 ug/ml



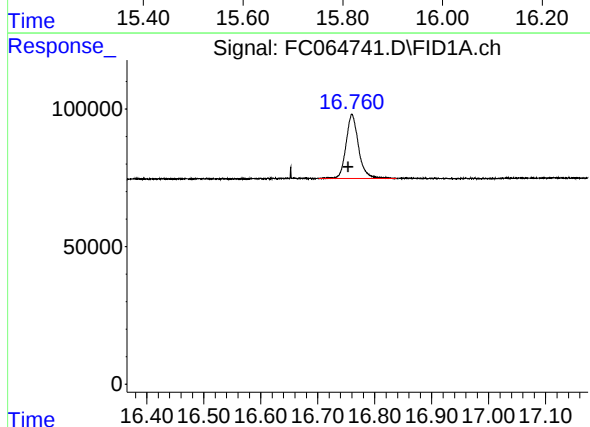
#15 n-Hexacosane (C26)

R.T.: 15.816 min
Delta R.T.: 0.010 min
Response: 365623
Conc: 2.40 ug/ml

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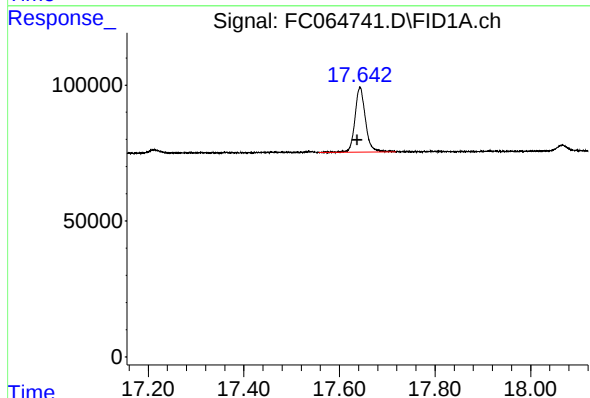
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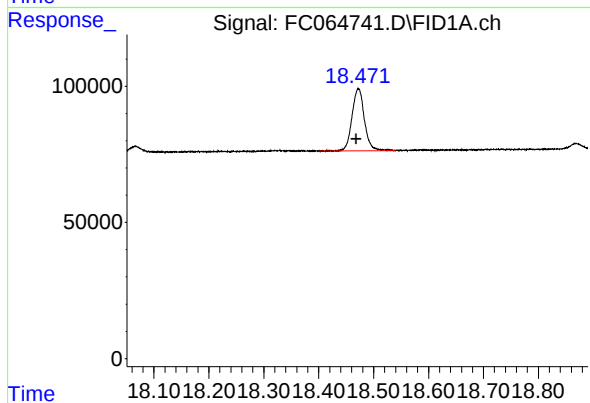
#16 n-Octacosane (C28)

R.T.: 16.760 min
Delta R.T.: 0.007 min
Response: 357931
Conc: 2.42 ug/ml



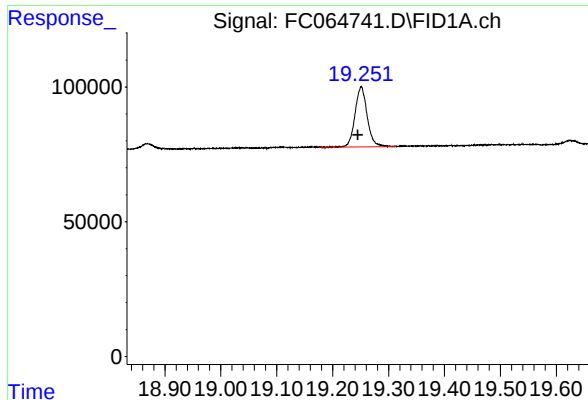
#17 n-Tricontane (C30)

R.T.: 17.643 min
Delta R.T.: 0.006 min
Response: 365365
Conc: 2.46 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.472 min
Delta R.T.: 0.004 min
Response: 356908
Conc: 2.45 ug/ml



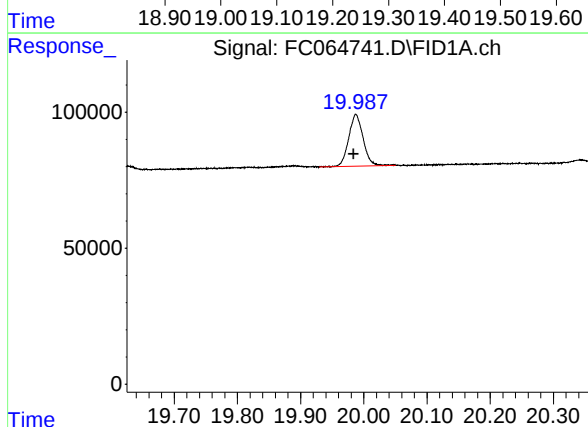
#19 n-Tetratriacontane (C34)

R.T.: 19.251 min
Delta R.T.: 0.006 min
Response: 336604
Conc: 2.37 ug/ml

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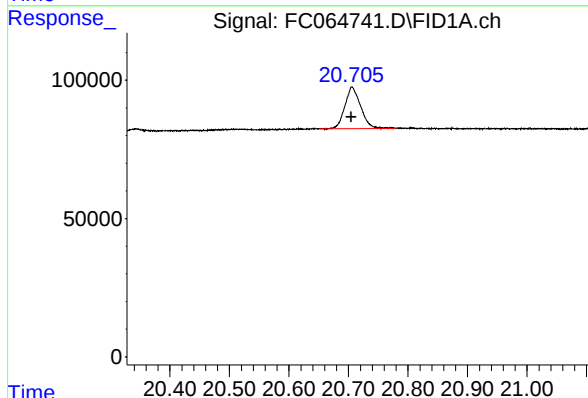
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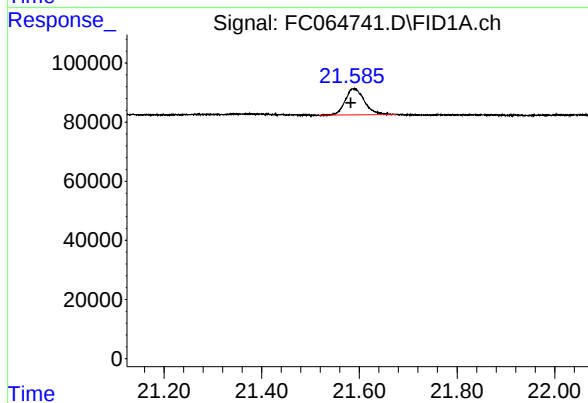
#20 n-Hexatriacontane (C36)

R.T.: 19.987 min
Delta R.T.: 0.004 min
Response: 298538
Conc: 2.17 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.706 min
Delta R.T.: 0.000 min
Response: 275465
Conc: 2.01 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.586 min
Delta R.T.: 0.003 min
Response: 244475
Conc: 1.80 ug/ml