

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100623AL\
 Data File : FC064759.D
 Signal(s) : FID1A.ch
 Acq On : 06 Oct 2023 10:18
 Operator : YP/AJ
 Sample : 04699-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 MDL-SOIL-03-QT4-2023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/09/2023
 Supervised By :Ankita Jodhani 10/09/2023

Integration File: autoint1.e
 Quant Time: Oct 07 02:36:59 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...	12.953	6318718	43.381 ug/ml
Spiked Amount 50.000		Recovery =	86.76%
Target Compounds			
1) T n-Nonane (C9)	3.331	312505	1.768 ug/ml
2) T n-Decane (C10)	4.387	396863	2.209 ug/ml
4) T n-Dodecane (C12)	6.394	497001	2.736 ug/ml
6) T n-Tetradecane (C14)	8.179	588865	3.319 ug/ml
7) T n-Hexadecane (C16)	9.773	553374	3.078 ug/ml
8) T n-Octadecane (C18)	11.208	618395	3.416 ug/ml
10) T n-Eicosane (C20)	12.511	631069	3.705 ug/ml
11) T n-Heneicosane (C21)	13.120	553580	3.342 ug/mlm
13) T n-Docosane (C22)	13.703	569852	3.498 ug/ml
14) T n-Tetracosane (C24)	14.800	566637	3.569 ug/ml
15) T n-Hexacosane (C26)	15.817	540875	3.543 ug/ml
16) T n-Octacosane (C28)	16.764	488585	3.301 ug/ml
17) T n-Tricontane (C30)	17.645	493938	3.325 ug/ml
18) T n-Dotriacontane (C32)	18.473	496725	3.404 ug/ml
19) T n-Tetratriacontane (C34)	19.254	462589	3.254 ug/ml
20) T n-Hexatriacontane (C36)	19.990	410771	2.982 ug/ml
21) T n-Octatriacontane (C38)	20.711	393406	2.871 ug/ml
22) T n-Tetracontane (C40)	21.590	345525	2.540 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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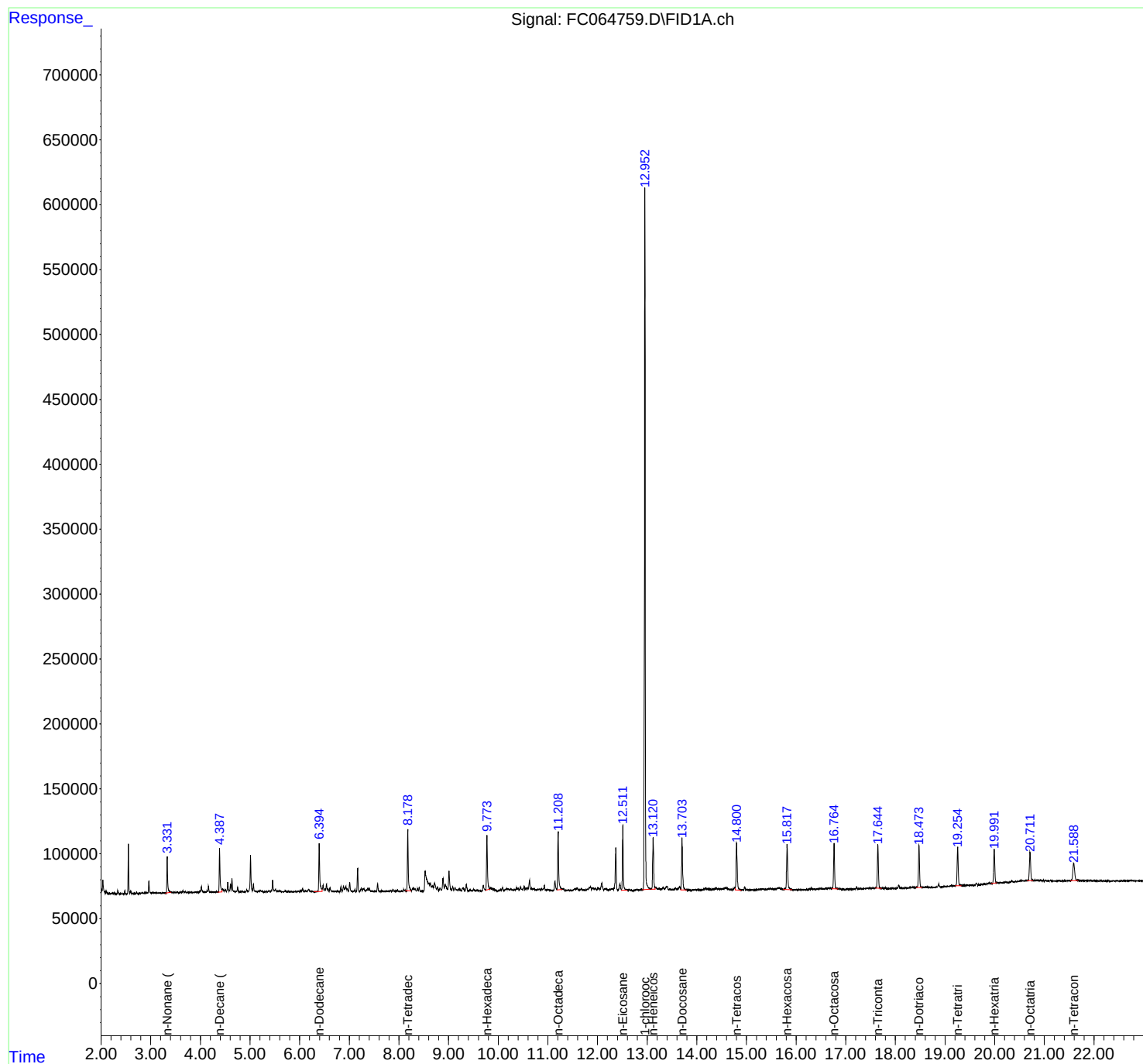
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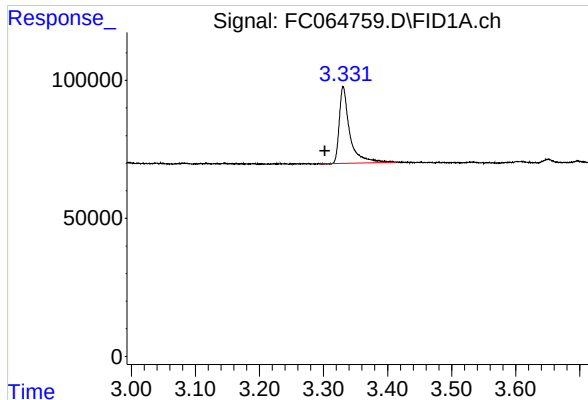
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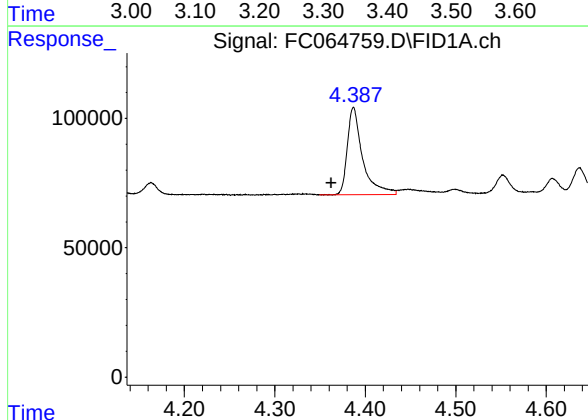
#1 n-Nonane (C9)

R.T.: 3.331 min
Delta R.T.: 0.029 min
Response: 312505
Conc: 1.77 ug/ml

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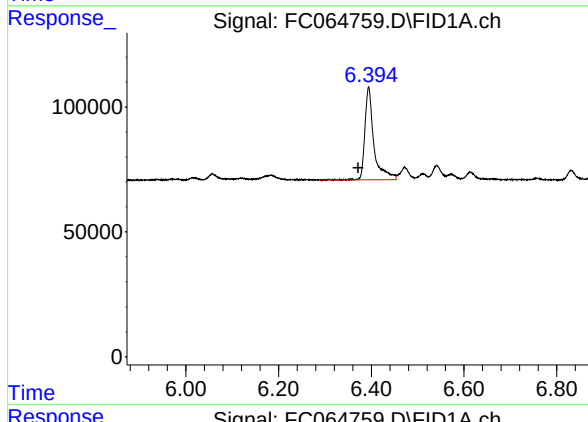
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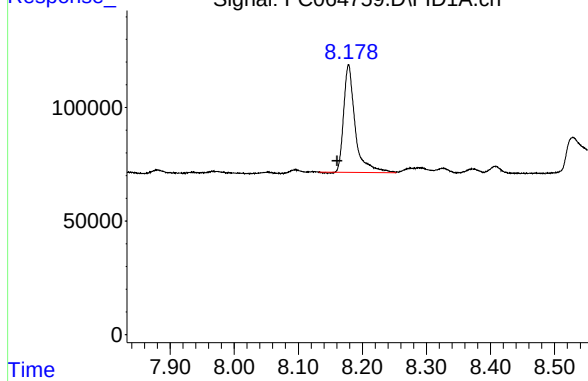
#2 n-Decane (C10)

R.T.: 4.387 min
Delta R.T.: 0.025 min
Response: 396863
Conc: 2.21 ug/ml



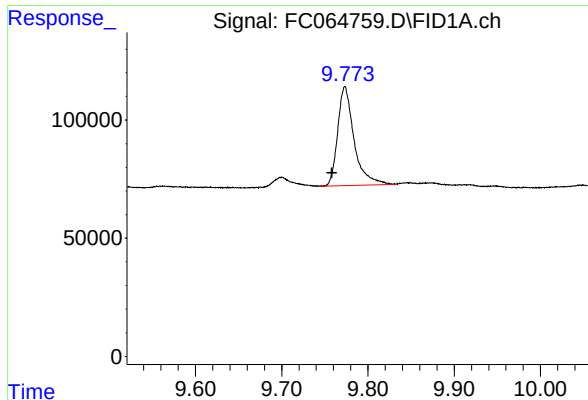
#4 n-Dodecane (C12)

R.T.: 6.394 min
Delta R.T.: 0.022 min
Response: 497001
Conc: 2.74 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.179 min
Delta R.T.: 0.017 min
Response: 588865
Conc: 3.32 ug/ml



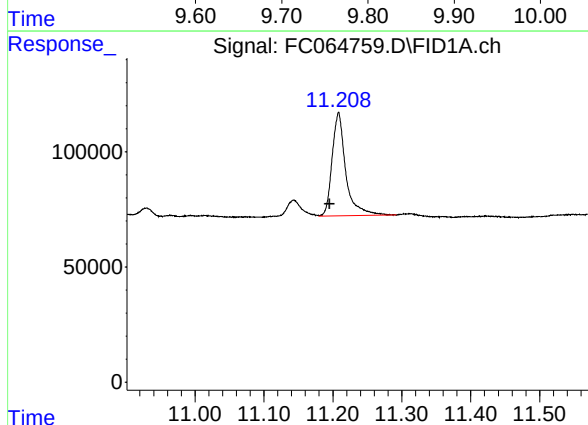
#7 n-Hexadecane (C16)

R.T.: 9.773 min
Delta R.T.: 0.015 min
Response: 553374
Conc: 3.08 ug/ml

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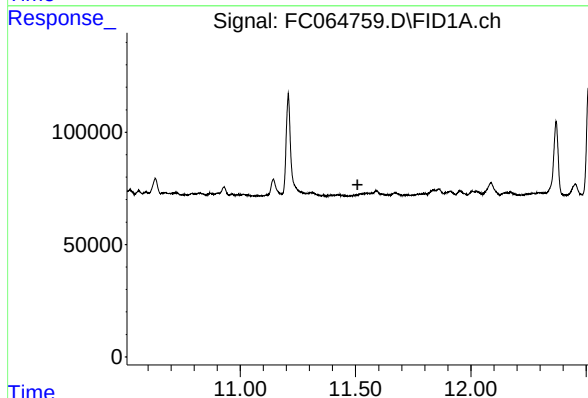
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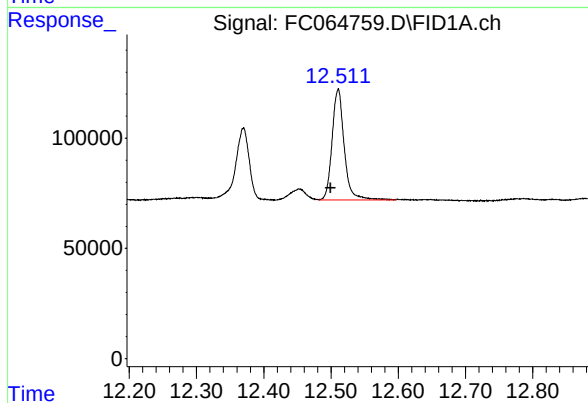
#8 n-Octadecane (C18)

R.T.: 11.208 min
Delta R.T.: 0.013 min
Response: 618395
Conc: 3.42 ug/ml



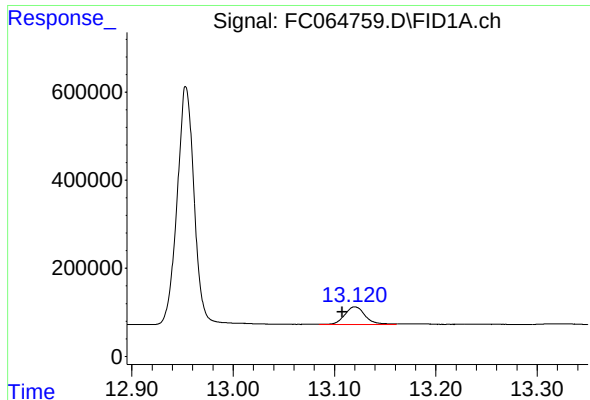
#9 ortho-Terphenyl (SURR)

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.: 0.012 min
Response: 631069
Conc: 3.70 ug/ml



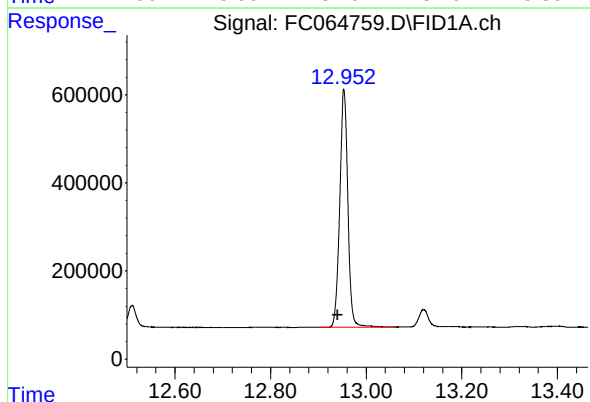
#11 n-Heneicosane (C21)

R.T.: 13.120 min
Delta R.T.: 0.012 min
Response: 553580
Conc: 3.34 ug/ml

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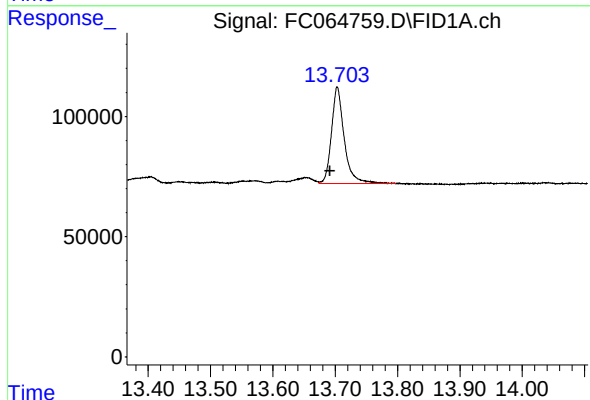
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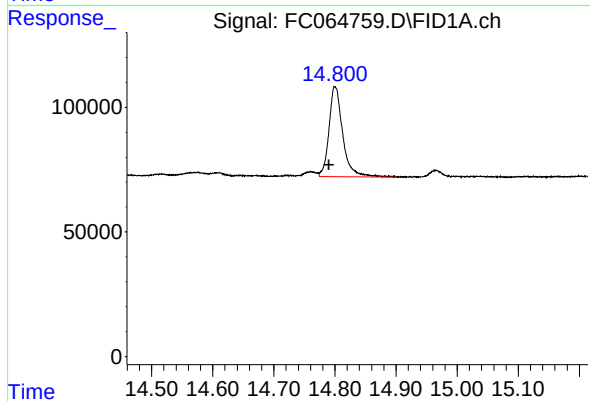
#12 1-chlorooctadecane (SURR)

R.T.: 12.953 min
Delta R.T.: 0.013 min
Response: 6318718
Conc: 43.38 ug/ml



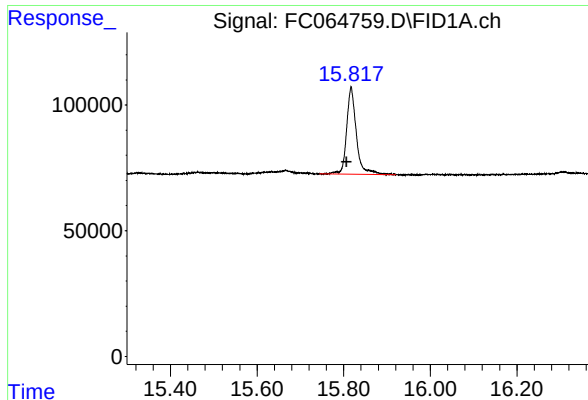
#13 n-Docosane (C22)

R.T.: 13.703 min
Delta R.T.: 0.012 min
Response: 569852
Conc: 3.50 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.800 min
Delta R.T.: 0.010 min
Response: 566637
Conc: 3.57 ug/ml



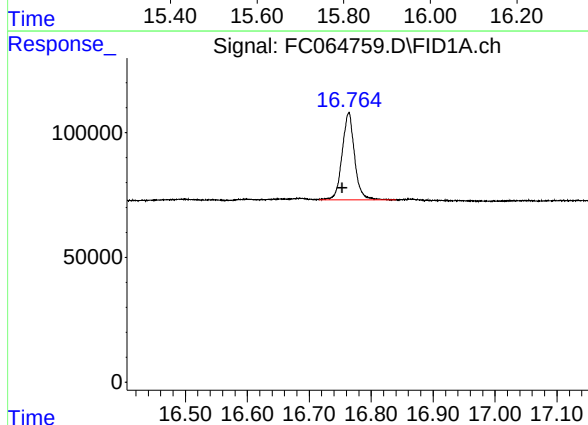
#15 n-Hexacosane (C26)

R.T.: 15.817 min
Delta R.T.: 0.010 min
Response: 540875
Conc: 3.54 ug/ml

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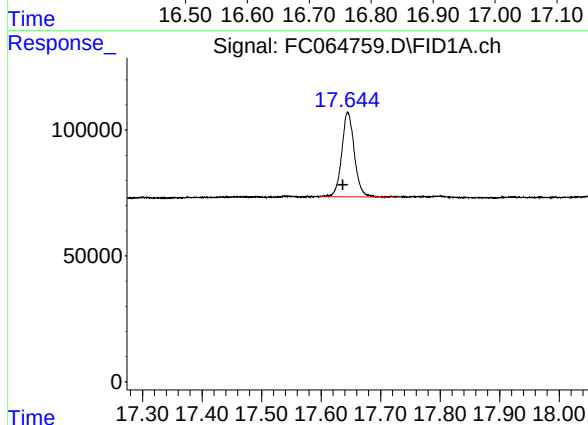
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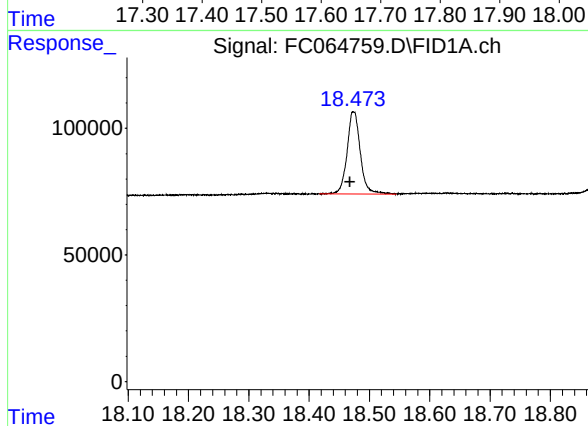
#16 n-Octacosane (C28)

R.T.: 16.764 min
Delta R.T.: 0.010 min
Response: 488585
Conc: 3.30 ug/ml



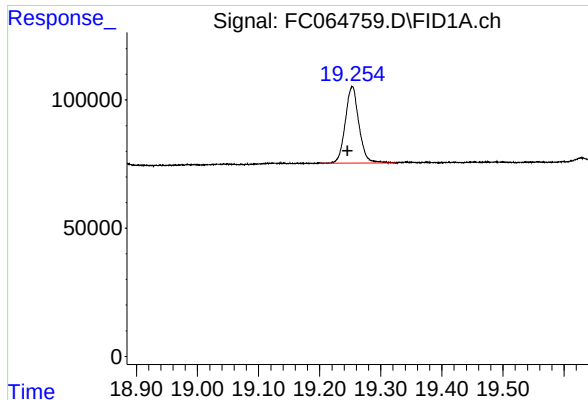
#17 n-Tricontane (C30)

R.T.: 17.645 min
Delta R.T.: 0.008 min
Response: 493938
Conc: 3.32 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.473 min
Delta R.T.: 0.005 min
Response: 496725
Conc: 3.40 ug/ml



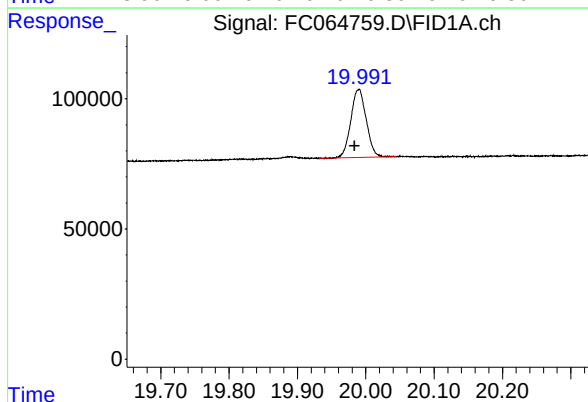
#19 n-Tetratriacontane (C34)

R.T.: 19.254 min
Delta R.T.: 0.008 min
Response: 462589
Conc: 3.25 ug/ml

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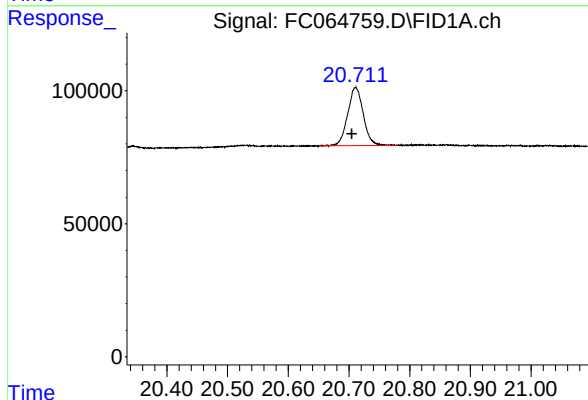
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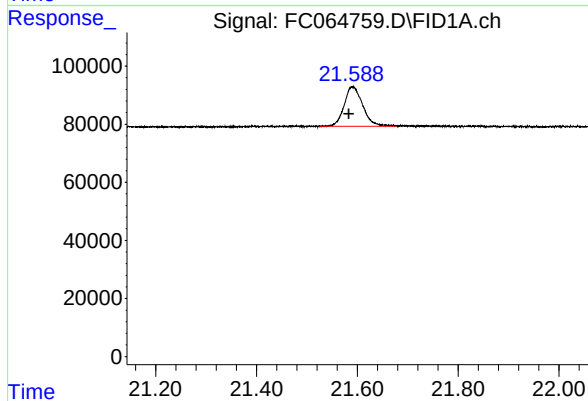
#20 n-Hexatriacontane (C36)

R.T.: 19.990 min
Delta R.T.: 0.006 min
Response: 410771
Conc: 2.98 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.711 min
Delta R.T.: 0.006 min
Response: 393406
Conc: 2.87 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.590 min
Delta R.T.: 0.007 min
Response: 345525
Conc: 2.54 ug/ml