

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091324AL\
 Data File : FC067118.D
 Signal(s) : FID1A.ch
 Acq On : 13 Sep 2024 10:12
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/16/2024
 Supervised By :Ankita Jodhani 09/16/2024

Integration File: autoint1.e
 Quant Time: Sep 14 00:31:05 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 11 02:55:44 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			
9) S ortho-Terphenyl (SURR)	11.506	2788500	20.026 ug/ml
Spiked Amount 50.000		Recovery =	40.05%
12) S 1-chlorooctadecane (S...	12.944	1966823	20.134 ug/ml
Spiked Amount 50.000		Recovery =	40.27%
Target Compounds			
1) T n-Nonane (C9)	3.279	2602305	19.618 ug/ml
2) T n-Decane (C10)	4.344	2651857	19.745 ug/ml
3) T A~Naphthalene (C11.7)	5.923	2793059	19.652 ug/ml
4) T n-Dodecane (C12)	6.361	2657236	19.852 ug/ml
5) T A~2-methylnaphthalene...	6.979	2636623	19.745 ug/ml
6) T n-Tetradecane (C14)	8.154	2593716	20.126 ug/ml
7) T n-Hexadecane (C16)	9.753	2621146	20.331 ug/ml
8) T n-Octadecane (C18)	11.194	2623099	20.502 ug/ml
10) T n-Eicosane (C20)	12.501	2459987	20.481 ug/ml
11) T n-Heneicosane (C21)	13.113	2394031	20.498 ug/ml
13) T n-Docosane (C22)	13.698	2353425	20.383 ug/ml
14) T n-Tetracosane (C24)	14.800	2308042	20.324 ug/ml
15) T n-Hexacosane (C26)	15.819	2233551	20.153 ug/ml
16) T n-Octacosane (C28)	16.767	2183302	20.212 ug/ml
17) T n-Tricontane (C30)	17.654	2204985	20.271 ug/ml
18) T n-Dotriacontane (C32)	18.486	2109860	20.228 ug/mlm
19) T n-Tetratriacontane (C34)	19.268	1825769	19.790 ug/ml
20) T n-Hexatriacontane (C36)	20.007	1534600	19.365 ug/ml
21) T n-Octatriacontane (C38)	20.731	1373160	18.281 ug/ml
22) T n-Tetracontane (C40)	21.620	1183602	16.941 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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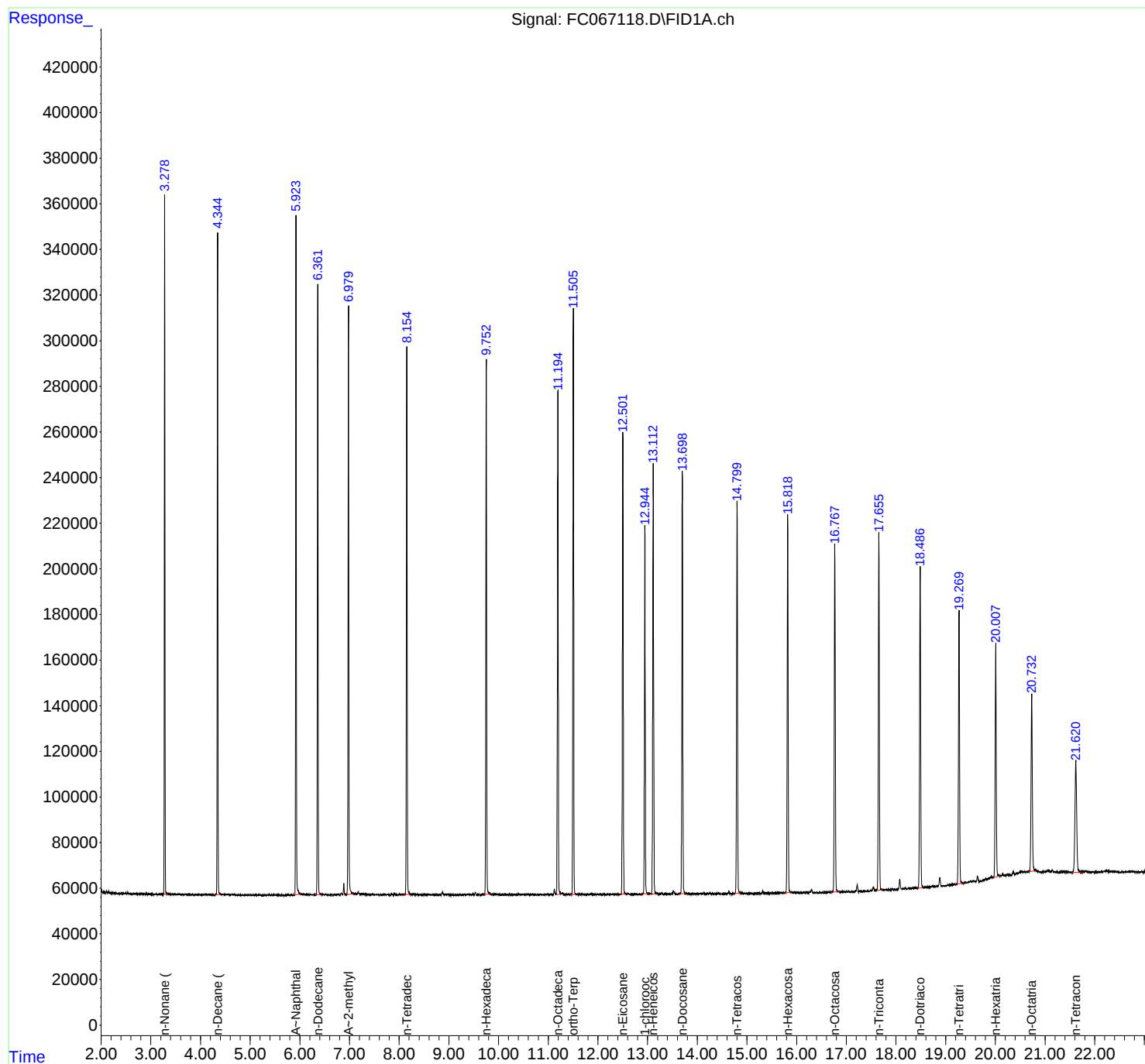
Instrument :
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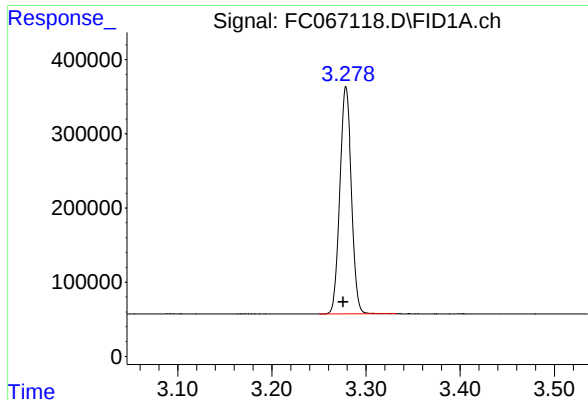
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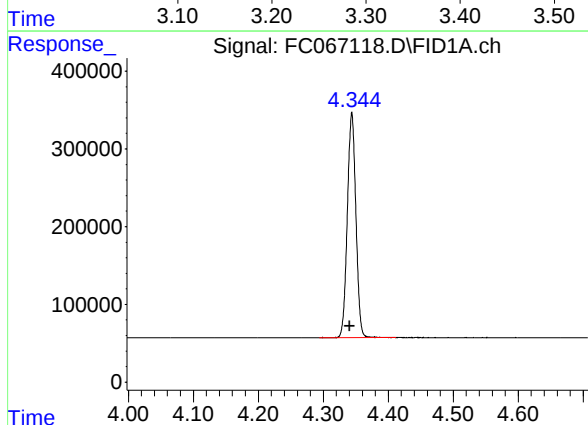
#1 n-Nonane (C9)

R.T.: 3.279 min
Delta R.T.: 0.003 min
Response: 2602305
Conc: 19.62 ug/ml

Instrument :
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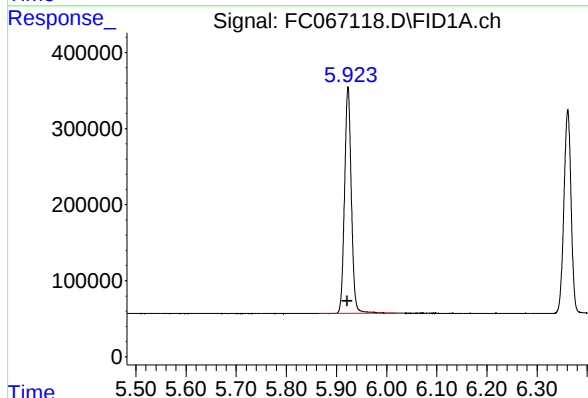
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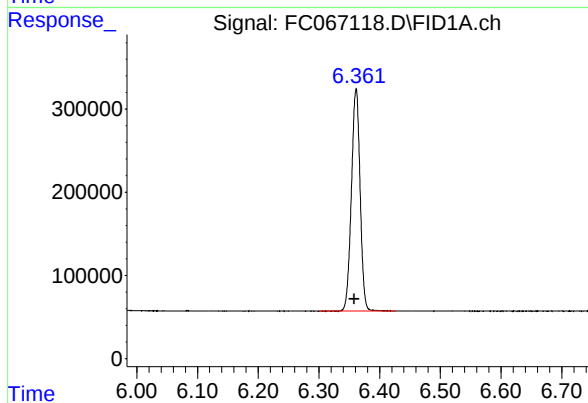
#2 n-Decane (C10)

R.T.: 4.344 min
Delta R.T.: 0.003 min
Response: 2651857
Conc: 19.74 ug/ml



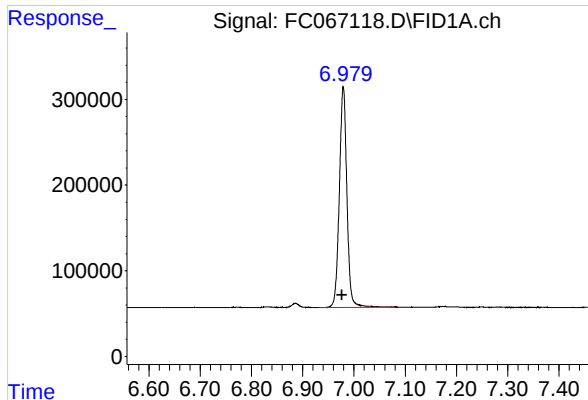
#3 A~Naphthalene (C11.7)

R.T.: 5.923 min
Delta R.T.: 0.002 min
Response: 2793059
Conc: 19.65 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.361 min
Delta R.T.: 0.003 min
Response: 2657236
Conc: 19.85 ug/ml



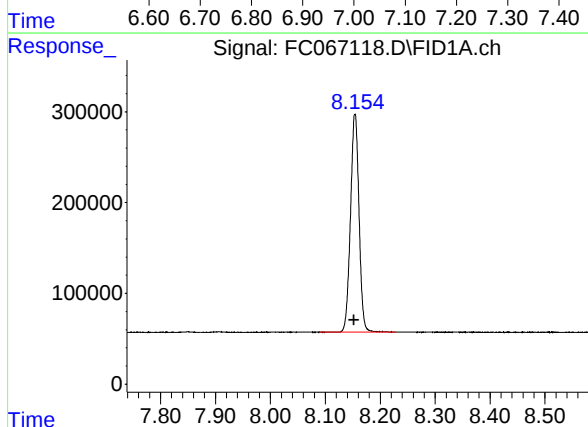
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.979 min
Delta R.T.: 0.002 min
Response: 2636623
Conc: 19.74 ug/ml

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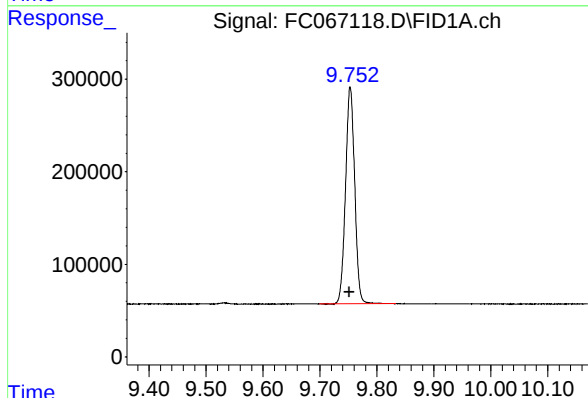
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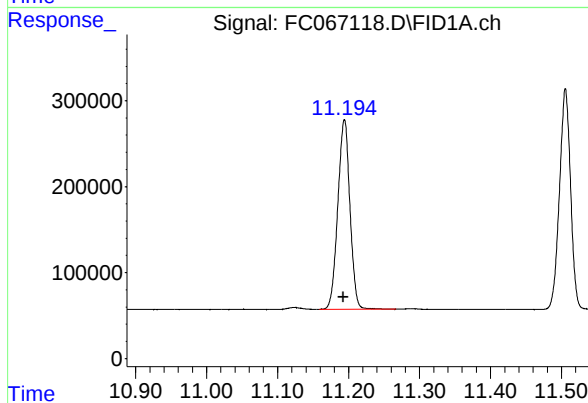
#6 n-Tetradecane (C14)

R.T.: 8.154 min
Delta R.T.: 0.002 min
Response: 2593716
Conc: 20.13 ug/ml



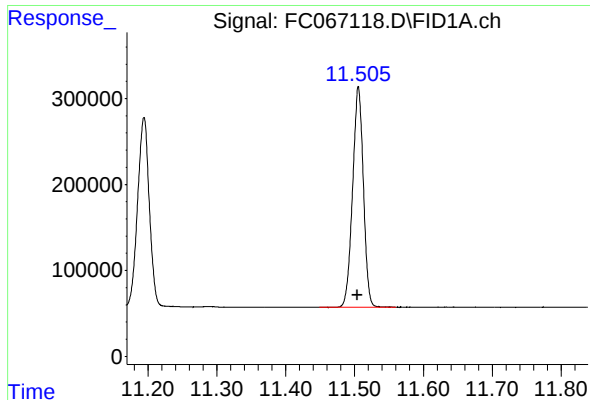
#7 n-Hexadecane (C16)

R.T.: 9.753 min
Delta R.T.: 0.001 min
Response: 2621146
Conc: 20.33 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.194 min
Delta R.T.: 0.001 min
Response: 2623099
Conc: 20.50 ug/ml



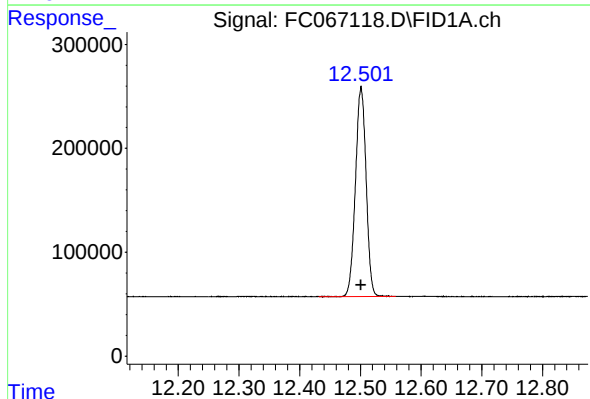
#9 ortho-Terphenyl (SURR)

R.T.: 11.506 min
Delta R.T.: 0.002 min
Response: 2788500
Conc: 20.03 ug/ml

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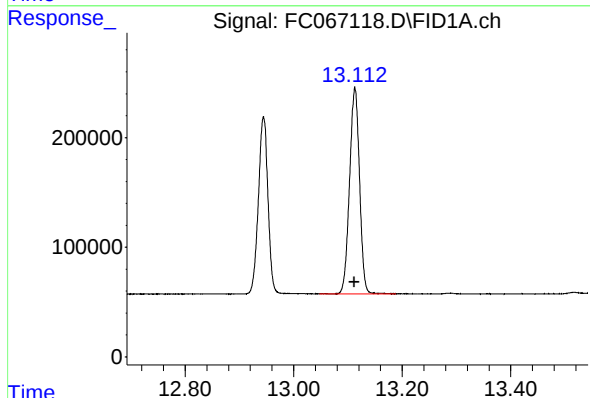
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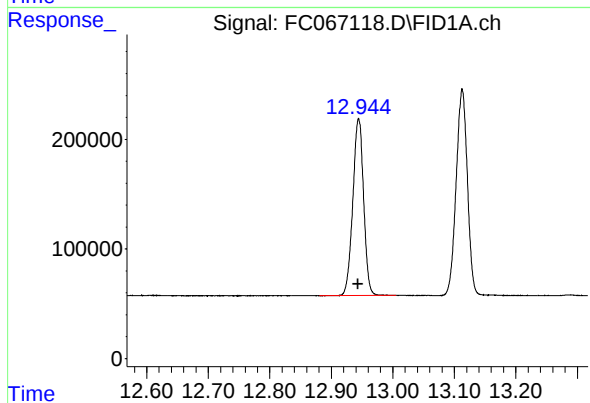
#10 n-Eicosane (C20)

R.T.: 12.501 min
Delta R.T.: 0.000 min
Response: 2459987
Conc: 20.48 ug/ml



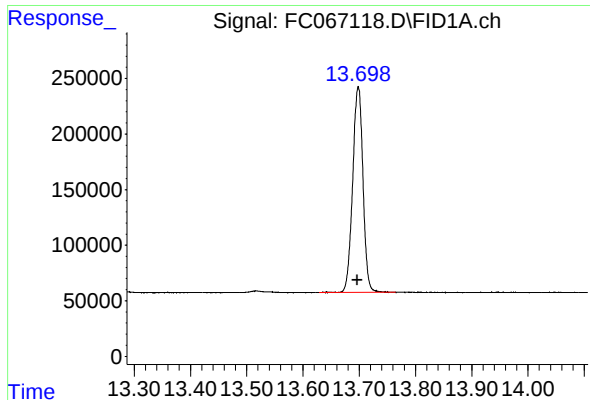
#11 n-Heneicosane (C21)

R.T.: 13.113 min
Delta R.T.: 0.001 min
Response: 2394031
Conc: 20.50 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.944 min
Delta R.T.: 0.000 min
Response: 1966823
Conc: 20.13 ug/ml



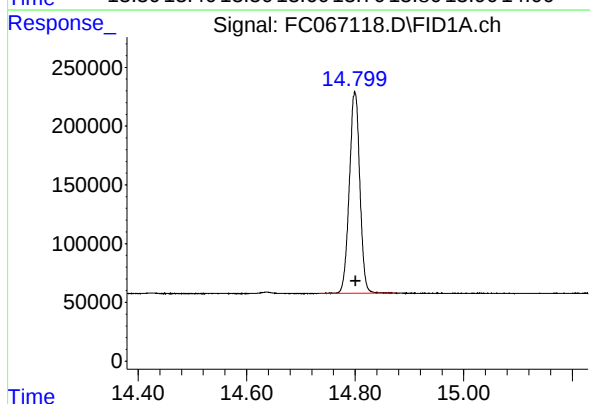
#13 n-Docosane (C22)

R.T.: 13.698 min
Delta R.T.: 0.001 min
Response: 2353425
Conc: 20.38 ug/ml

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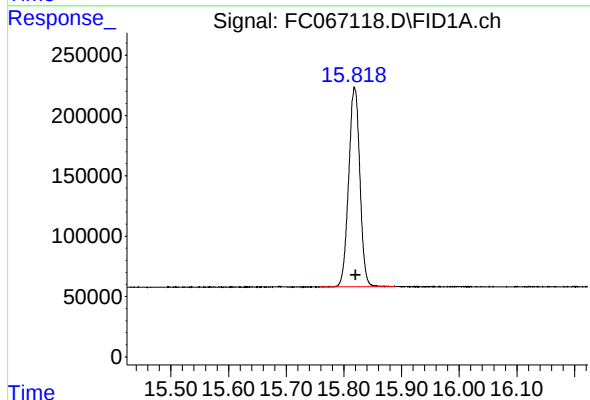
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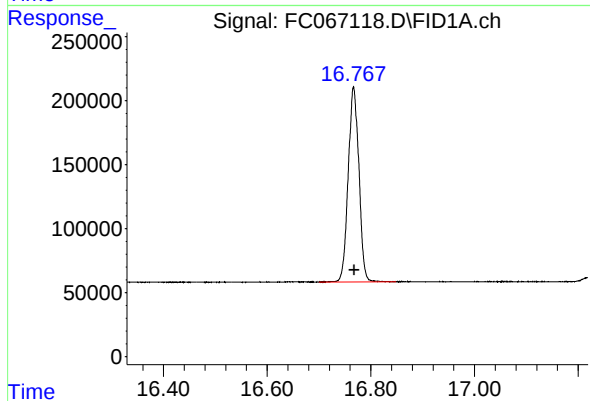
#14 n-Tetracosane (C24)

R.T.: 14.800 min
Delta R.T.: -0.001 min
Response: 2308042
Conc: 20.32 ug/ml



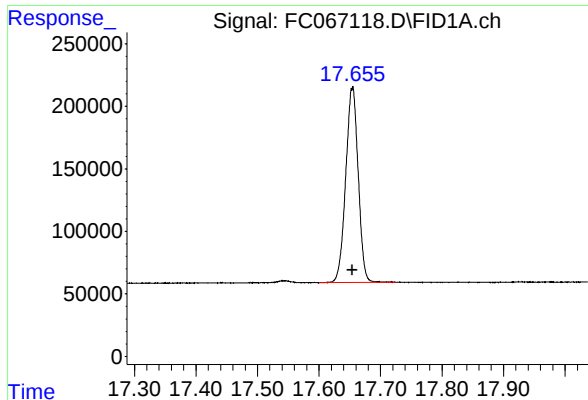
#15 n-Hexacosane (C26)

R.T.: 15.819 min
Delta R.T.: -0.002 min
Response: 2233551
Conc: 20.15 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.767 min
Delta R.T.: -0.001 min
Response: 2183302
Conc: 20.21 ug/ml



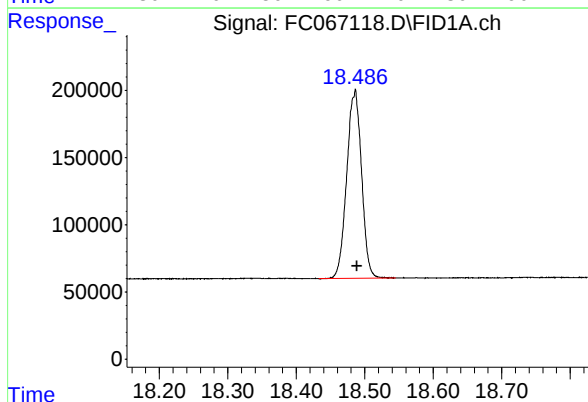
#17 n-Tricontane (C30)

R.T.: 17.654 min
Delta R.T.: 0.000 min
Response: 2204985
Conc: 20.27 ug/ml

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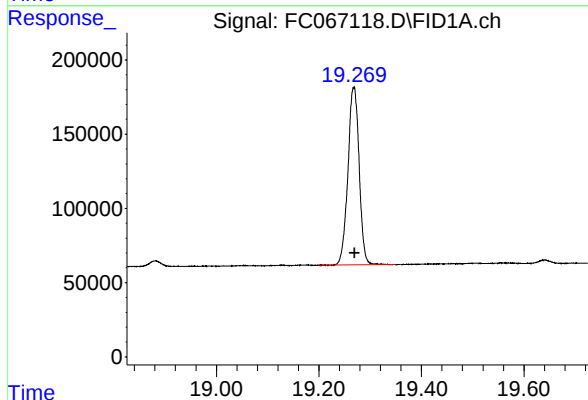
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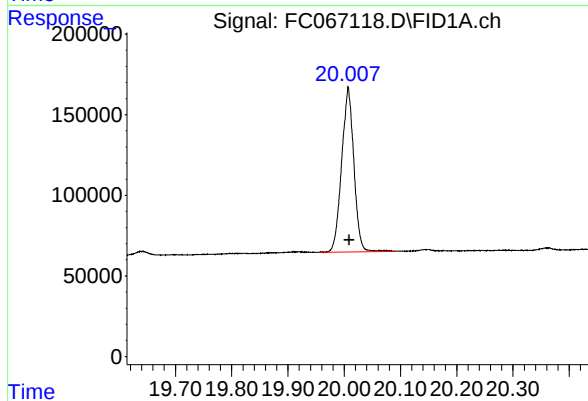
#18 n-Dotriacontane (C32)

R.T.: 18.486 min
Delta R.T.: -0.002 min
Response: 2109860
Conc: 20.23 ug/ml



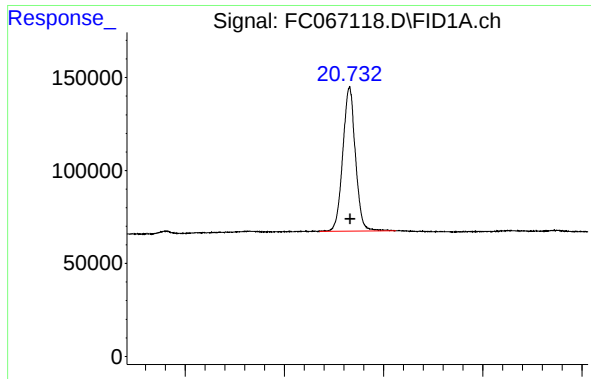
#19 n-Tetatriacontane (C34)

R.T.: 19.268 min
Delta R.T.: -0.002 min
Response: 1825769
Conc: 19.79 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.007 min
Delta R.T.: -0.002 min
Response: 1534600
Conc: 19.36 ug/ml



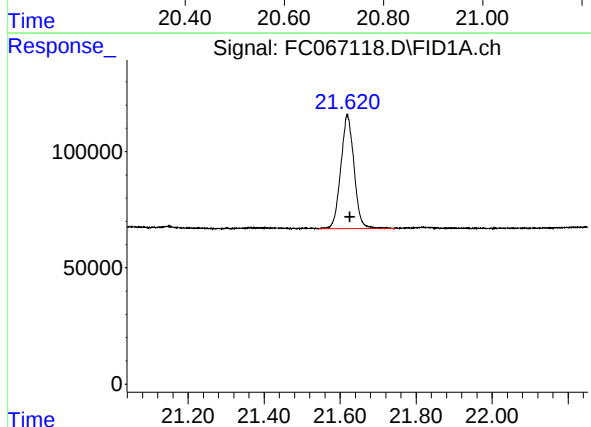
#21 n-Octatriacontane (C38)

R.T.: 20.731 min
Delta R.T.: -0.002 min
Response: 1373160
Conc: 18.28 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.620 min
Delta R.T.: -0.007 min
Response: 1183602
Conc: 16.94 ug/ml m