

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050925AL\
 Data File : FC068823.D
 Signal(s) : FID1A.ch
 Acq On : 09 May 2025 22:03
 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

Integration File: autoint1.e
 Quant Time: May 09 23:47:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
 Quant Title : GC Extractables
 QLast Update : Wed May 07 08:52:03 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			
9) S ortho-Terphenyl (SURR)	11.707	1989600	17.431 ug/ml
Spiked Amount 50.000		Recovery =	34.86%
12) S 1-chlorooctadecane (S...	13.141	1463323	18.240 ug/ml
Spiked Amount 50.000		Recovery =	36.48%
Target Compounds			
1) T n-Nonane (C9)	3.441	1628124	16.187 ug/ml
2) T n-Decane (C10)	4.517	1651010	16.569 ug/ml
3) T A~Naphthalene (C11.7)	6.113	1807672	16.394 ug/ml
4) T n-Dodecane (C12)	6.541	1639743	16.874 ug/ml
5) T A~2-methylnaphthalene...	7.171	1784786	16.629 ug/ml
6) T n-Tetradecane (C14)	8.338	1607677	17.394 ug/ml
7) T n-Hexadecane (C16)	9.941	1607788	17.955 ug/ml
8) T n-Octadecane (C18)	11.384	1597708	18.214 ug/ml
10) T n-Eicosane (C20)	12.695	1565106	18.366 ug/ml
11) T n-Heneicosane (C21)	13.306	1549438	18.370 ug/ml
13) T n-Docosane (C22)	13.894	1555353	18.592 ug/ml
14) T n-Tetracosane (C24)	14.997	1546977	18.592 ug/ml
15) T n-Hexacosane (C26)	16.020	1541494	18.605 ug/ml
16) T n-Octacosane (C28)	16.971	1622855	19.636 ug/ml
17) T n-Tricontane (C30)	17.859	1832335	21.656 ug/ml
18) T n-Dotriacontane (C32)	18.693	1921609	22.309 ug/ml
19) T n-Tetratriacontane (C34)	19.477	1817491	21.332 ug/ml
20) T n-Hexatriacontane (C36)	20.219	1750350	20.365 ug/ml
21) T n-Octatriacontane (C38)	20.991	1673442	19.950 ug/ml
22) T n-Tetracontane (C40)	21.967	1626631	19.848 ug/ml

(f)=RT Delta > 1/2 Window

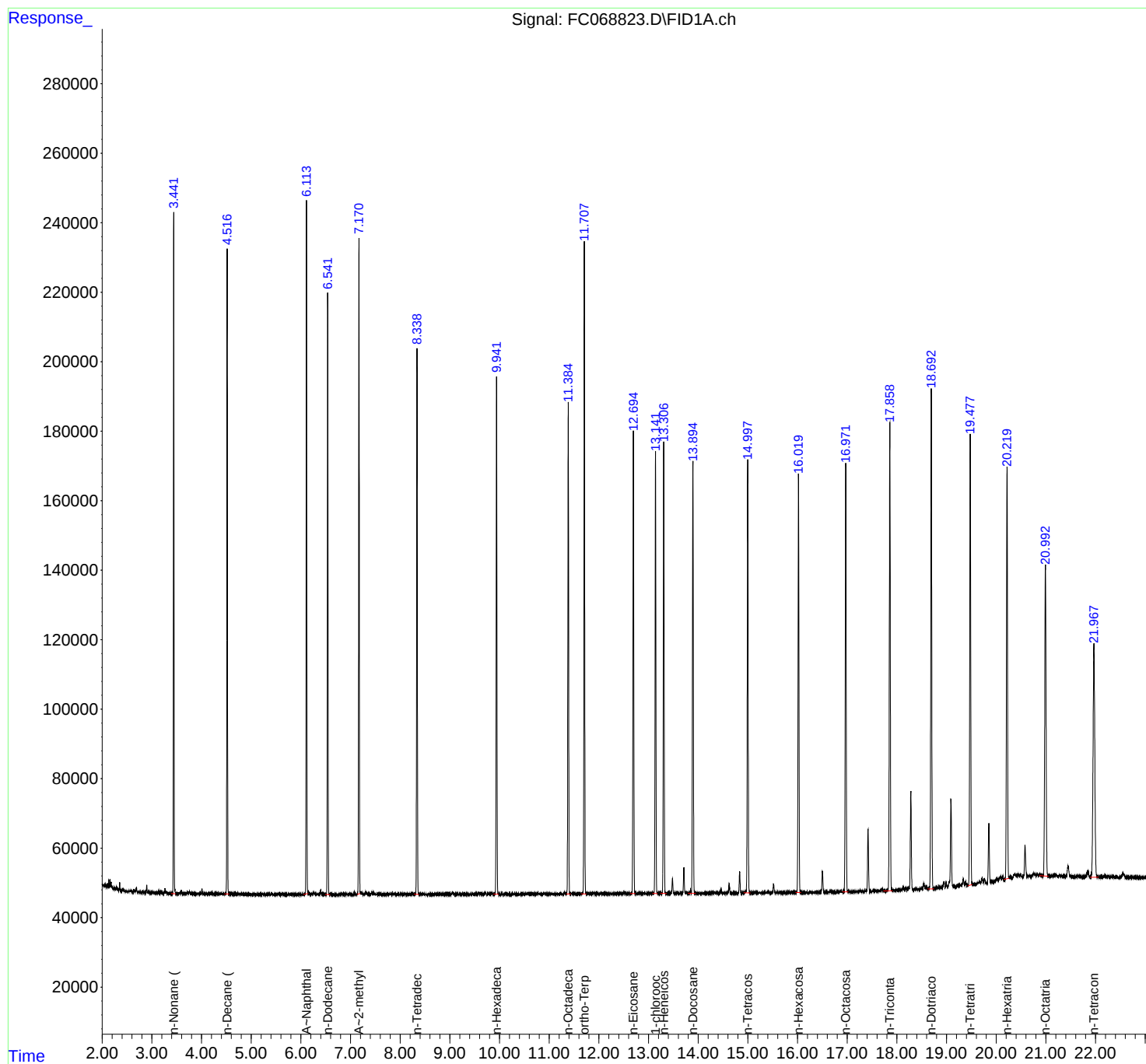
(m)=manual int.

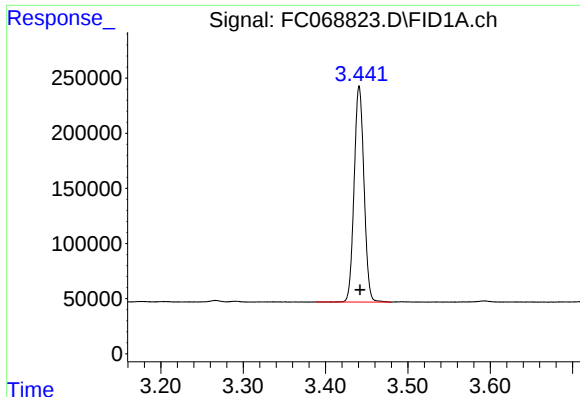
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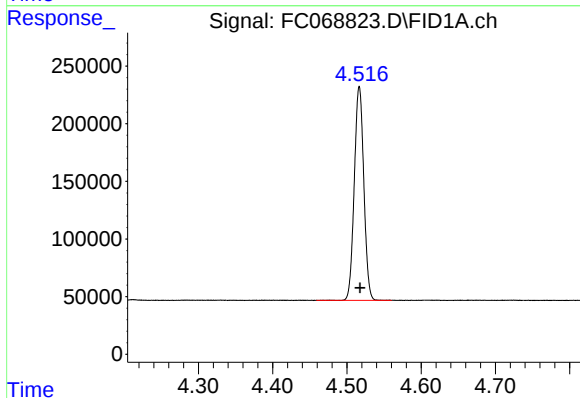




#1 n-Nonane (C9)

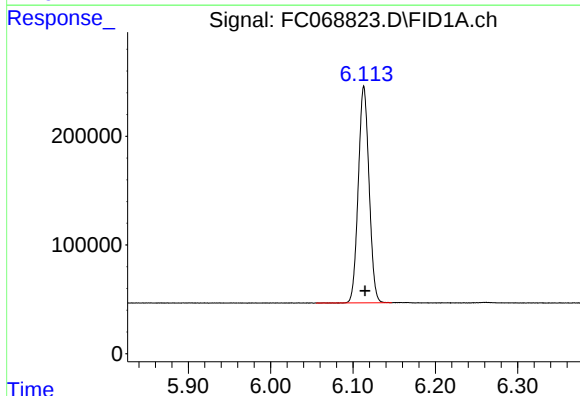
R.T.: 3.441 min
Delta R.T.: -0.001 min
Response: 1628124
Conc: 16.19 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD



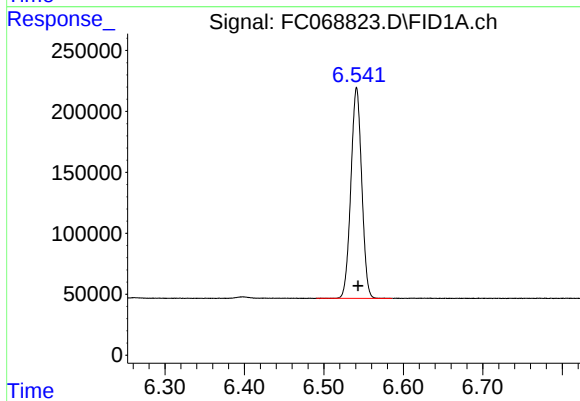
#2 n-Decane (C10)

R.T.: 4.517 min
Delta R.T.: -0.001 min
Response: 1651010
Conc: 16.57 ug/ml



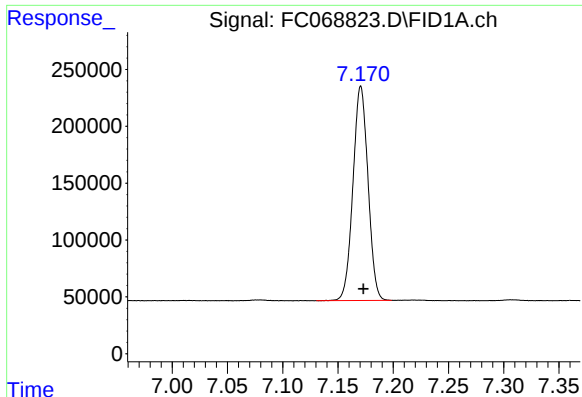
#3 A~Naphthalene (C11.7)

R.T.: 6.113 min
Delta R.T.: -0.001 min
Response: 1807672
Conc: 16.39 ug/ml



#4 n-Dodecane (C12)

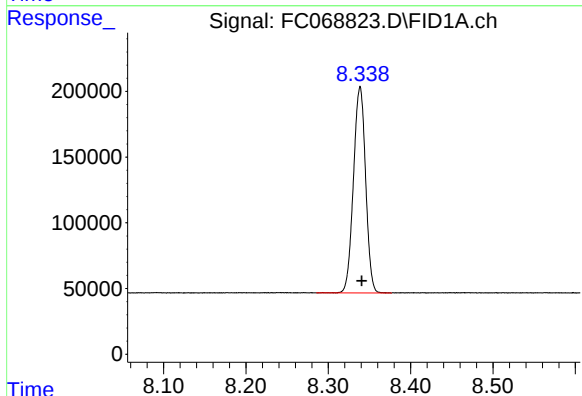
R.T.: 6.541 min
Delta R.T.: -0.002 min
Response: 1639743
Conc: 16.87 ug/ml



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

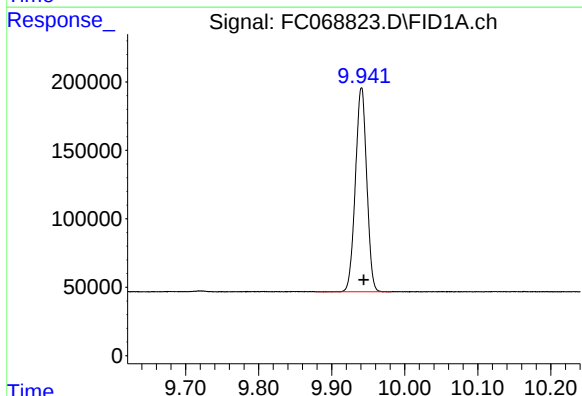
R.T.: 7.171 min
Delta R.T.: -0.002 min
Response: 1784786
Conc: 16.63 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD



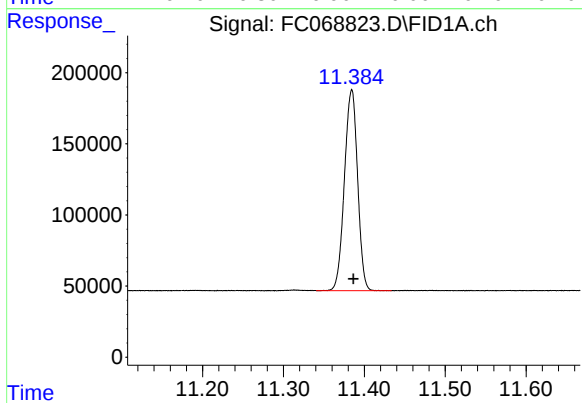
#6 n-Tetradecane (C14)

R.T.: 8.338 min
Delta R.T.: -0.002 min
Response: 1607677
Conc: 17.39 ug/ml



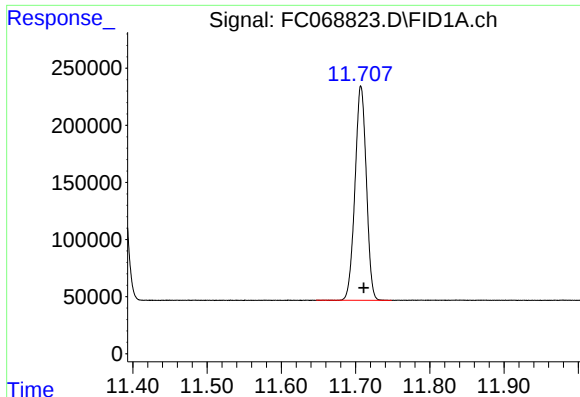
#7 n-Hexadecane (C16)

R.T.: 9.941 min
Delta R.T.: -0.003 min
Response: 1607788
Conc: 17.96 ug/ml



#8 n-Octadecane (C18)

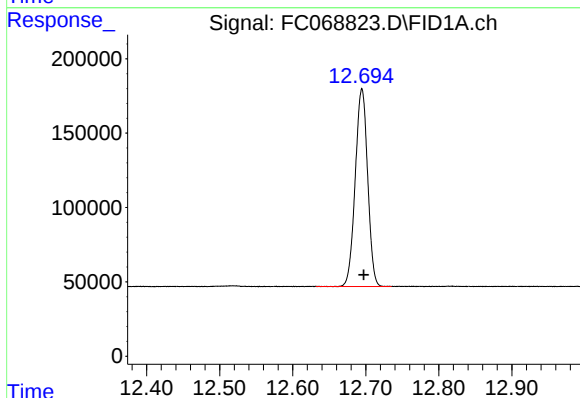
R.T.: 11.384 min
Delta R.T.: -0.002 min
Response: 1597708
Conc: 18.21 ug/ml



#9 ortho-Terphenyl (SURR)

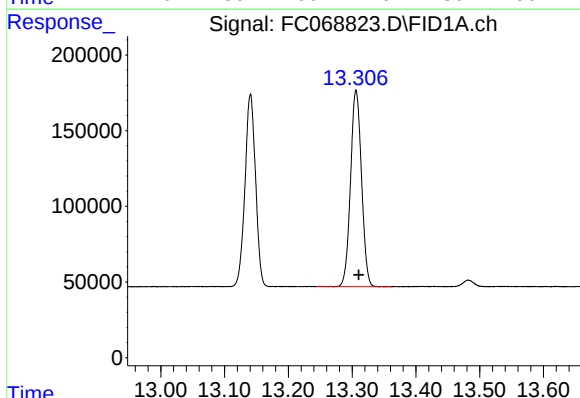
R.T.: 11.707 min
Delta R.T.: -0.004 min
Response: 1989600
Conc: 17.43 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD



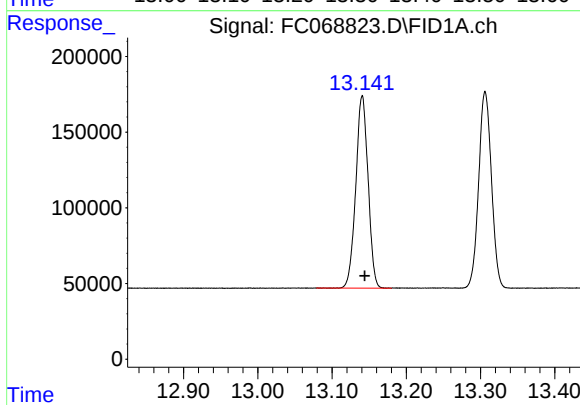
#10 n-Eicosane (C20)

R.T.: 12.695 min
Delta R.T.: -0.003 min
Response: 1565106
Conc: 18.37 ug/ml



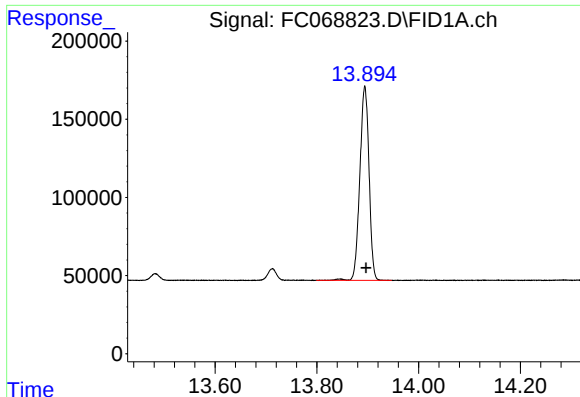
#11 n-Heneicosane (C21)

R.T.: 13.306 min
Delta R.T.: -0.004 min
Response: 1549438
Conc: 18.37 ug/ml



#12 1-chlorooctadecane (SURR)

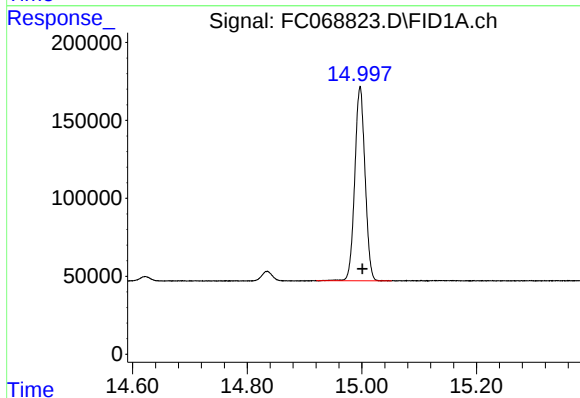
R.T.: 13.141 min
Delta R.T.: -0.003 min
Response: 1463323
Conc: 18.24 ug/ml



#13 n-Docosane (C22)

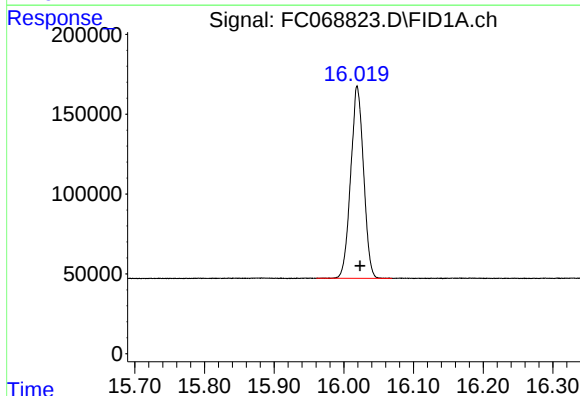
R.T.: 13.894 min
Delta R.T.: -0.003 min
Response: 1555353
Conc: 18.59 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD



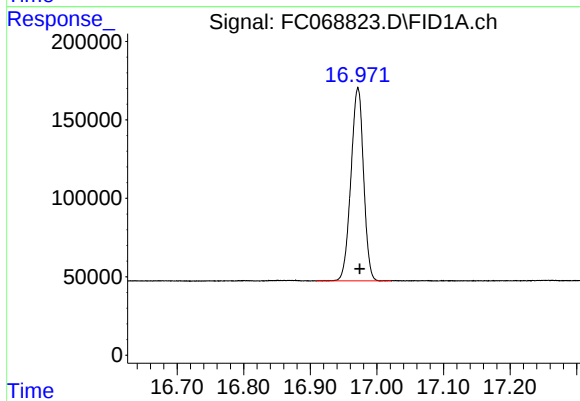
#14 n-Tetracosane (C24)

R.T.: 14.997 min
Delta R.T.: -0.004 min
Response: 1546977
Conc: 18.59 ug/ml



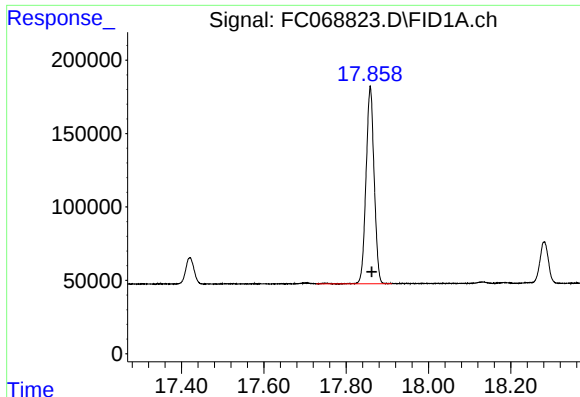
#15 n-Hexacosane (C26)

R.T.: 16.020 min
Delta R.T.: -0.004 min
Response: 1541494
Conc: 18.61 ug/ml



#16 n-Octacosane (C28)

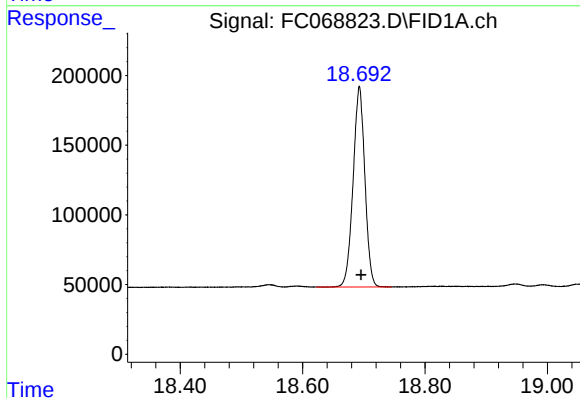
R.T.: 16.971 min
Delta R.T.: -0.003 min
Response: 1622855
Conc: 19.64 ug/ml



#17 n-Tricontane (C30)

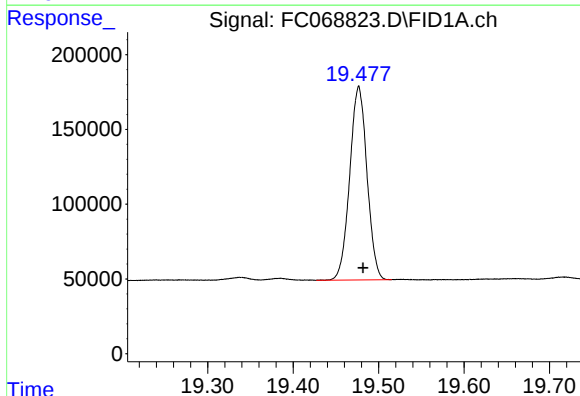
R.T.: 17.859 min
Delta R.T.: -0.004 min
Response: 1832335
Conc: 21.66 ug/ml

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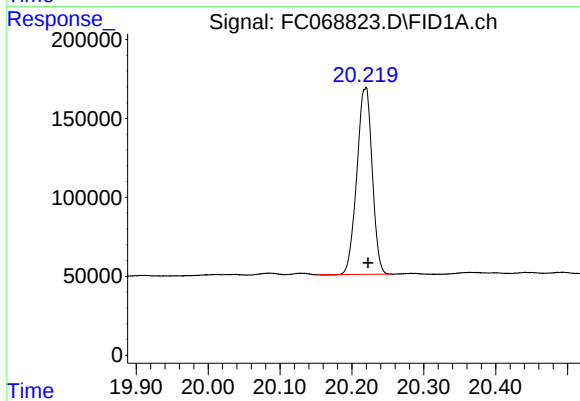
#18 n-Dotriacontane (C32)

R.T.: 18.693 min
Delta R.T.: -0.003 min
Response: 1921609
Conc: 22.31 ug/ml



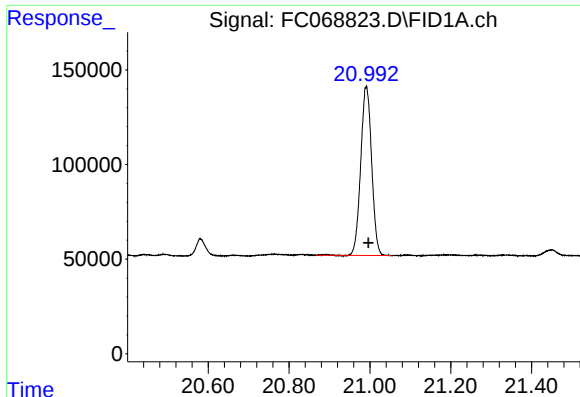
#19 n-Tetratriacontane (C34)

R.T.: 19.477 min
Delta R.T.: -0.005 min
Response: 1817491
Conc: 21.33 ug/ml



#20 n-Hexatriacontane (C36)

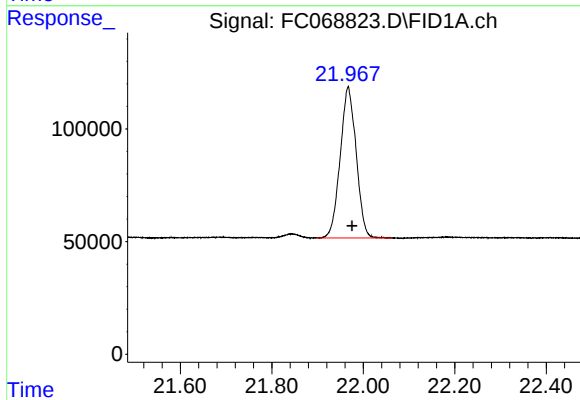
R.T.: 20.219 min
Delta R.T.: -0.004 min
Response: 1750350
Conc: 20.37 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.991 min
Delta R.T.: -0.005 min
Response: 1673442
Conc: 19.95 ug/ml

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FID_C
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#22 n-Tetracontane (C40)

R.T.: 21.967 min
Delta R.T.: -0.009 min
Response: 1626631
Conc: 19.85 ug/ml