

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE021025AL\
 Data File : FE052331.D
 Signal(s) : FID1B.ch
 Acq On : 10 Feb 2025 22:56
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/11/2025
 Supervised By :Ankita Jodhani 02/11/2025

Integration File: autoint1.e
 Quant Time: Feb 11 04:03:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
 Quant Title : GC Extractables
 QLast Update : Fri Feb 07 07:52:07 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)	12.312	2512052	20.296 ug/ml
Spiked Amount 50.000		Recovery =	40.59%
12) S 1-chlorooctadecane (S...	13.724	2033207	20.602 ug/mlm
Spiked Amount 50.000		Recovery =	41.20%
Target Compounds			
1) T n-Nonane (C9)	3.776	1899041	20.331 ug/ml
2) T n-Decane (C10)	5.004	2026438	21.102 ug/ml
3) T A~Naphthalene (C11.7)	6.707	2294425	21.469 ug/ml
4) T n-Dodecane (C12)	7.135	2112642	21.315 ug/ml
5) T A~2-methylnaphthalene...	7.789	2263134	21.609 ug/ml
6) T n-Tetradecane (C14)	8.944	2147461	21.280 ug/ml
7) T n-Hexadecane (C16)	10.539	2261173	20.837 ug/ml
8) T n-Octadecane (C18)	11.974	2316451	20.391 ug/ml
10) T n-Eicosane (C20)	13.277	2256268	19.993 ug/ml
11) T n-Heneicosane (C21)	13.886	2227621	19.781 ug/ml
13) T n-Docosane (C22)	14.469	2226224	19.668 ug/ml
14) T n-Tetracosane (C24)	15.567	2211959	19.238 ug/ml
15) T n-Hexacosane (C26)	16.583	2169076	18.914 ug/ml
16) T n-Octacosane (C28)	17.529	2139463	18.909 ug/ml
17) T n-Tricontane (C30)	18.412	2192352	19.240 ug/ml
18) T n-Dotriacontane (C32)	19.241	2122412	19.467 ug/ml
19) T n-Tetratriacontane (C34)	20.022	1865769	19.666 ug/ml
20) T n-Hexatriacontane (C36)	20.758	1606510	19.443 ug/ml
21) T n-Octatriacontane (C38)	21.574	1530984	20.608 ug/ml
22) T n-Tetracontane (C40)	22.616	1561607	20.946 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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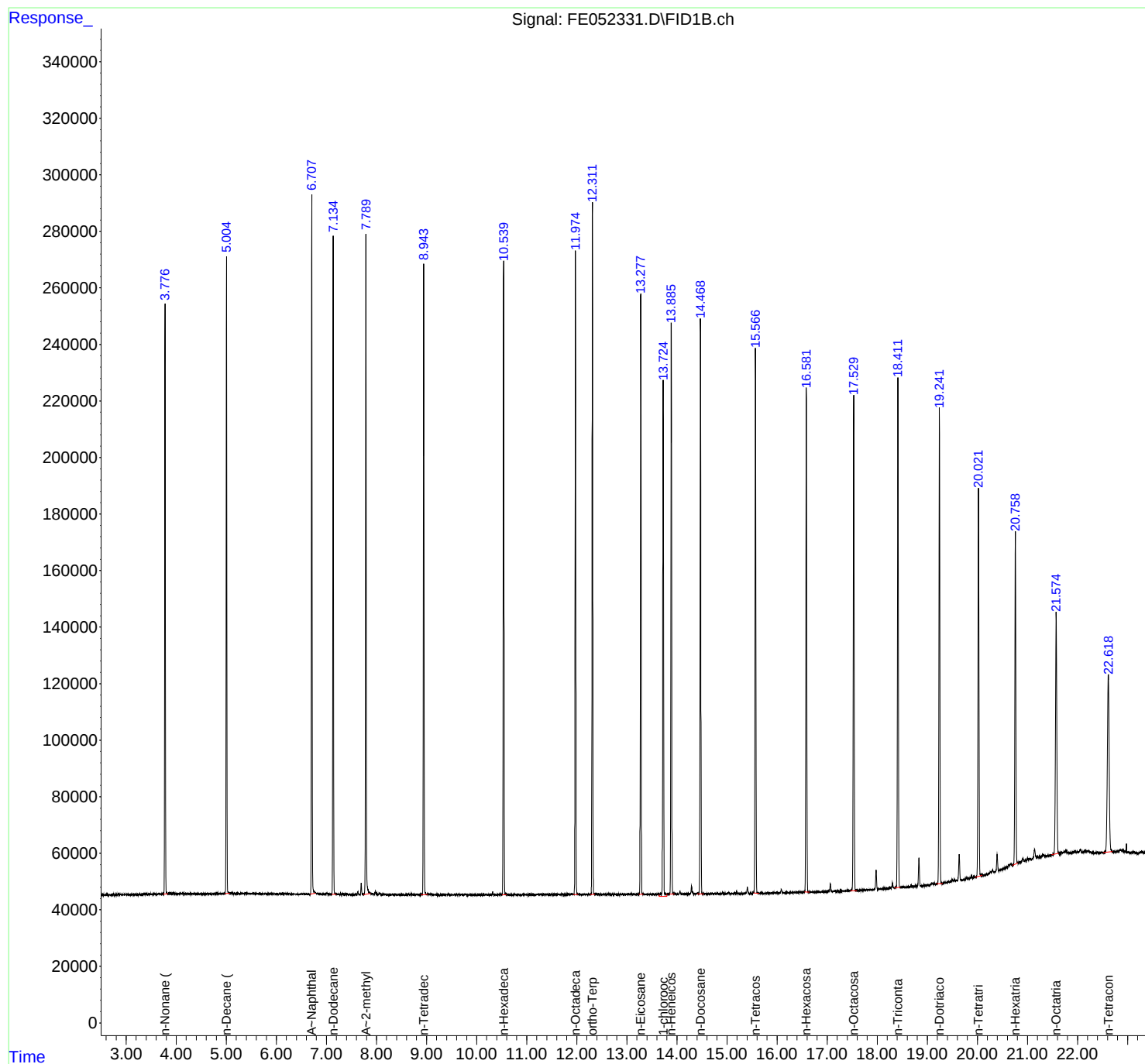
Instrument :
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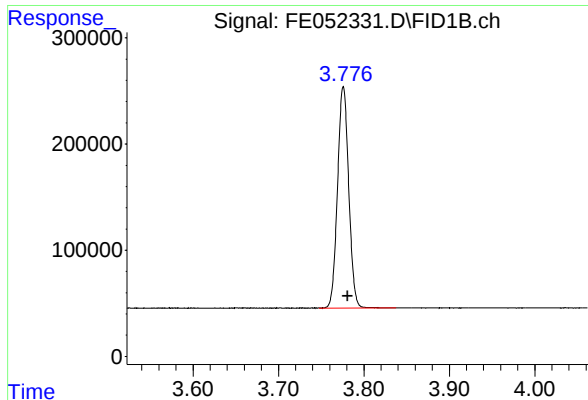
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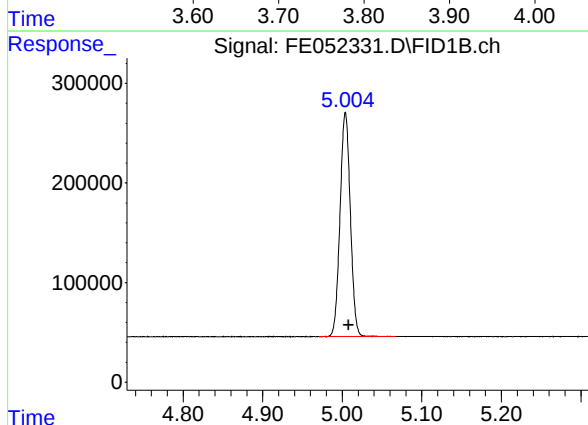
#1 n-Nonane (C9)

R.T.: 3.776 min
Delta R.T.: -0.005 min
Response: 1899041
Conc: 20.33 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

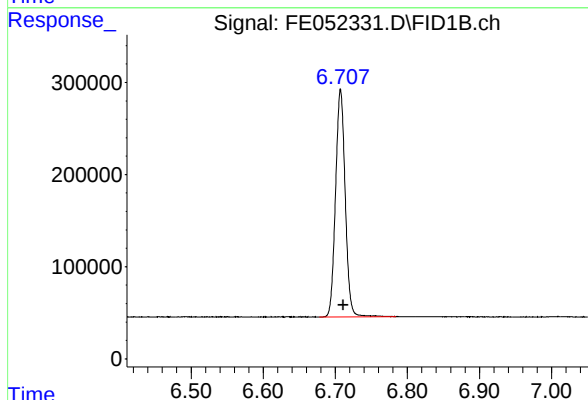
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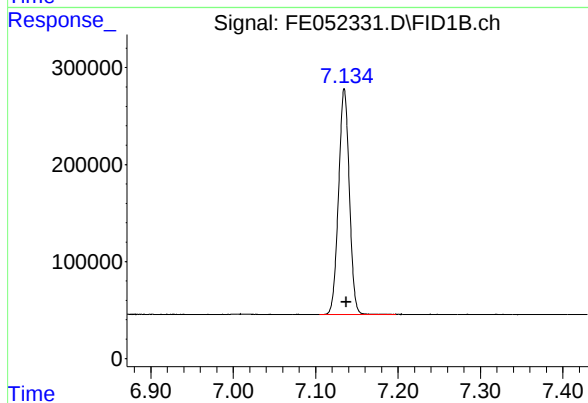
#2 n-Decane (C10)

R.T.: 5.004 min
Delta R.T.: -0.004 min
Response: 2026438
Conc: 21.10 ug/ml



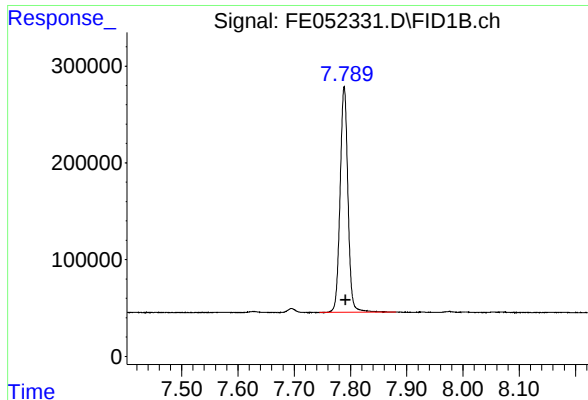
#3 A~Naphthalene (C11.7)

R.T.: 6.707 min
Delta R.T.: -0.004 min
Response: 2294425
Conc: 21.47 ug/ml



#4 n-Dodecane (C12)

R.T.: 7.135 min
Delta R.T.: -0.003 min
Response: 2112642
Conc: 21.31 ug/ml



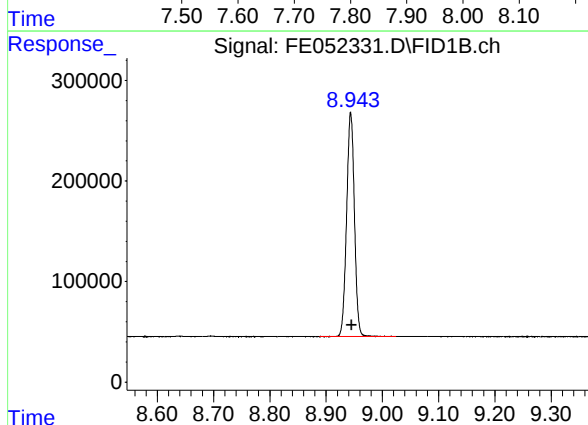
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.789 min
Delta R.T.: -0.003 min
Response: 2263134
Conc: 21.61 ug/ml

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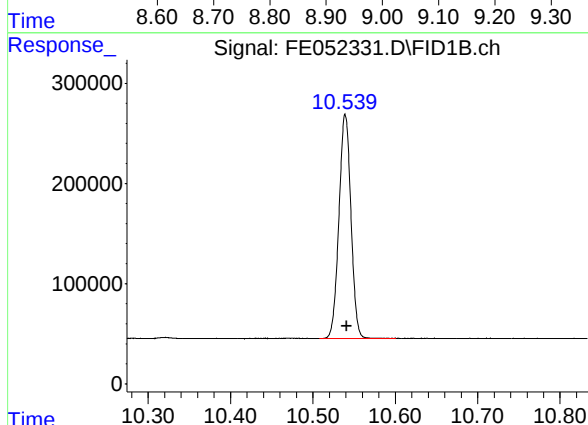
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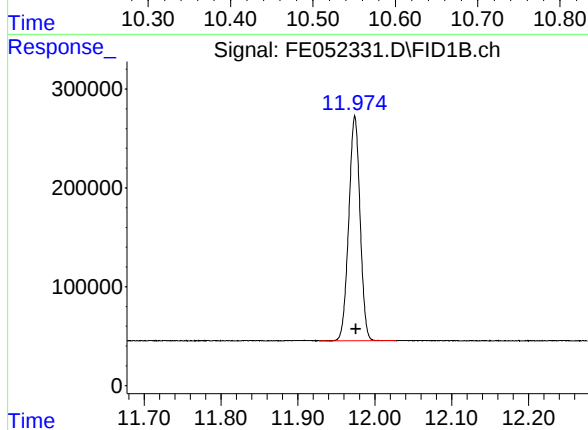
#6 n-Tetradecane (C14)

R.T.: 8.944 min
Delta R.T.: -0.002 min
Response: 2147461
Conc: 21.28 ug/ml



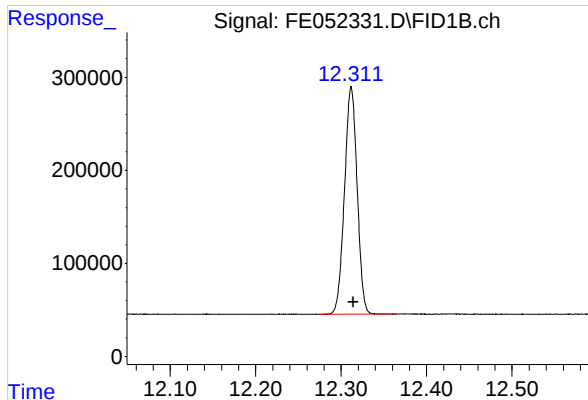
#7 n-Hexadecane (C16)

R.T.: 10.539 min
Delta R.T.: -0.002 min
Response: 2261173
Conc: 20.84 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.974 min
Delta R.T.: -0.001 min
Response: 2316451
Conc: 20.39 ug/ml



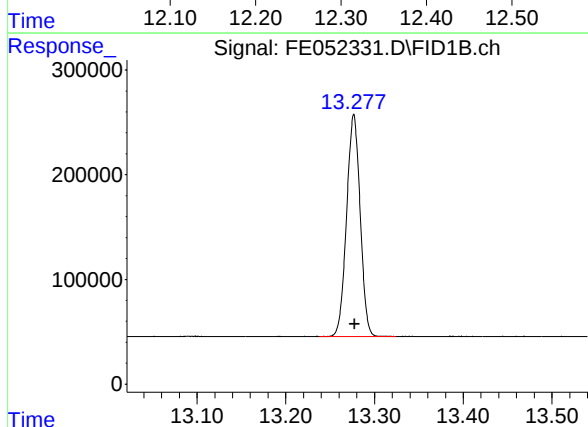
#9 ortho-Terphenyl (SURR)

R.T.: 12.312 min
Delta R.T.: -0.003 min
Response: 2512052
Conc: 20.30 ug/ml

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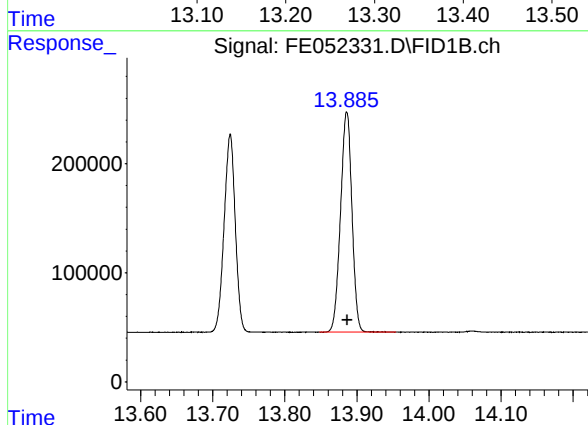
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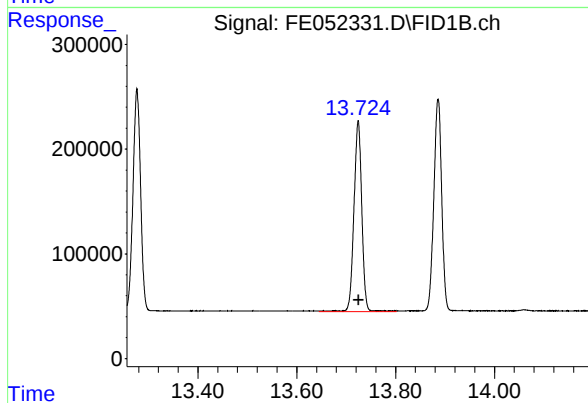
#10 n-Eicosane (C20)

R.T.: 13.277 min
Delta R.T.: -0.001 min
Response: 2256268
Conc: 19.99 ug/ml



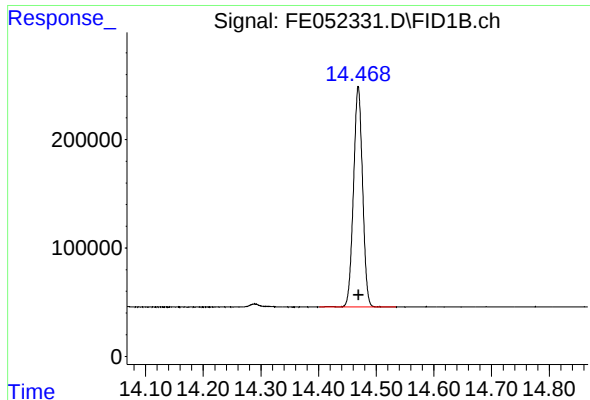
#11 n-Heneicosane (C21)

R.T.: 13.886 min
Delta R.T.: 0.000 min
Response: 2227621
Conc: 19.78 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.724 min
Delta R.T.: -0.001 min
Response: 2033207
Conc: 20.60 ug/ml m



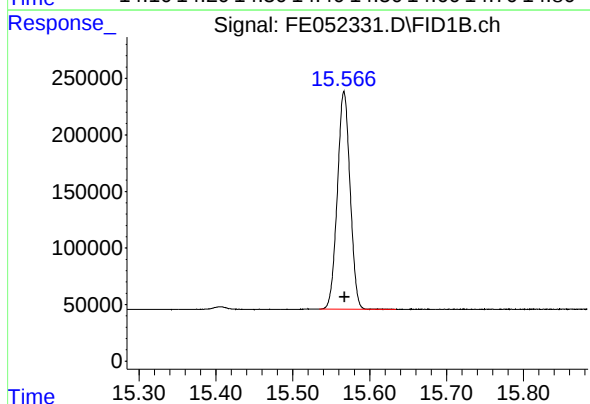
#13 n-Docosane (C22)

R.T.: 14.469 min
Delta R.T.: 0.000 min
Response: 2226224
Conc: 19.67 ug/ml

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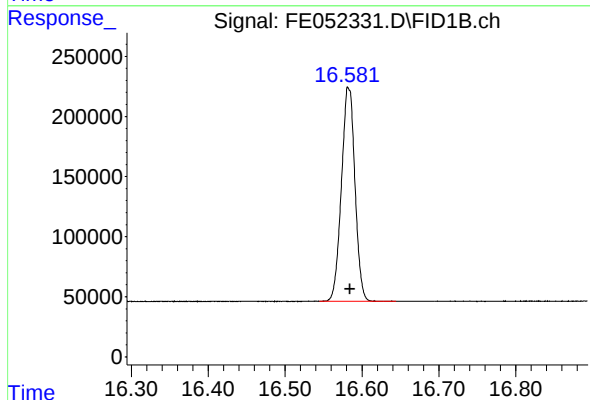
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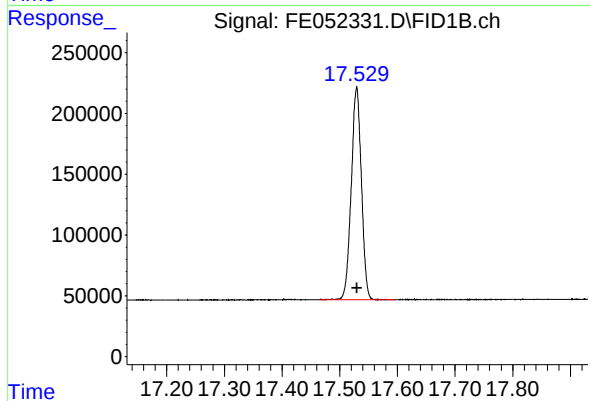
#14 n-Tetracosane (C24)

R.T.: 15.567 min
Delta R.T.: 0.000 min
Response: 2211959
Conc: 19.24 ug/ml



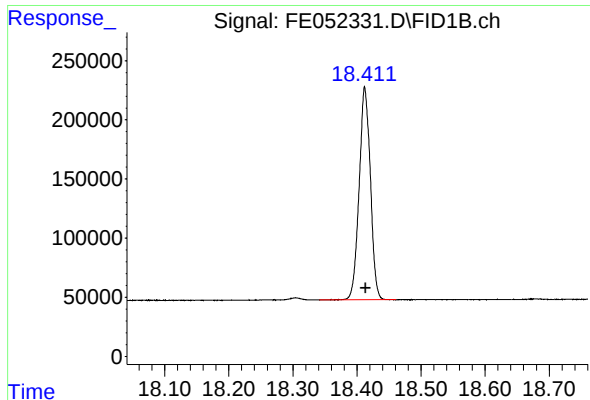
#15 n-Hexacosane (C26)

R.T.: 16.583 min
Delta R.T.: -0.002 min
Response: 2169076
Conc: 18.91 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.529 min
Delta R.T.: 0.000 min
Response: 2139463
Conc: 18.91 ug/ml



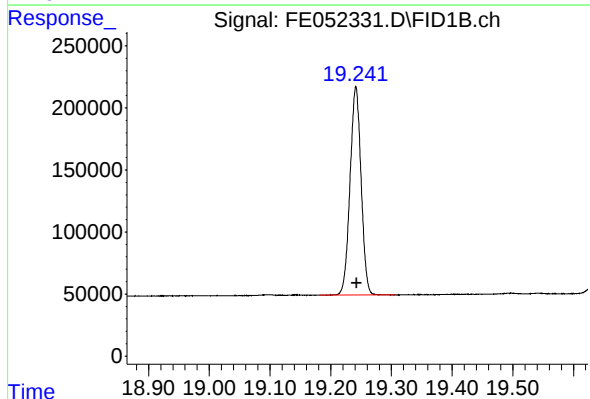
#17 n-Tricontane (C30)

R.T.: 18.412 min
Delta R.T.: -0.001 min
Response: 2192352
Conc: 19.24 ug/ml

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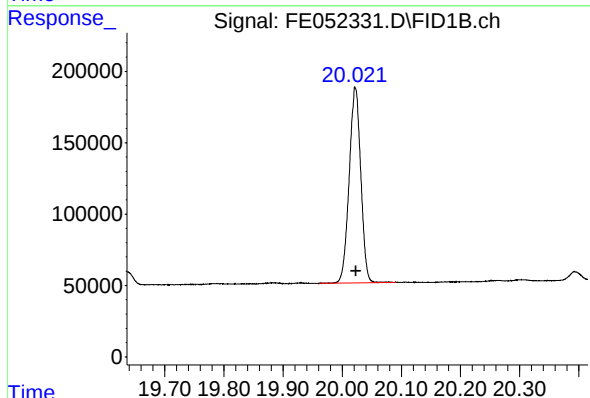
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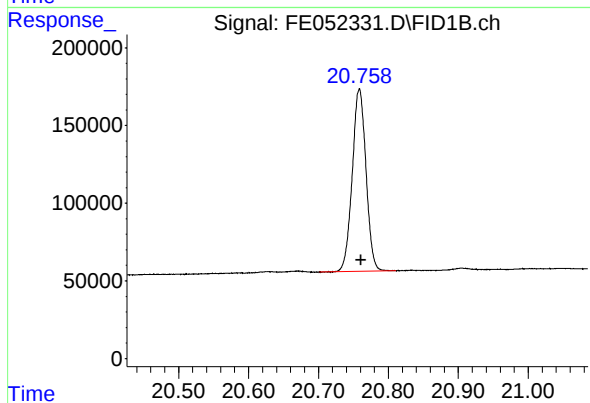
#18 n-Dotriacontane (C32)

R.T.: 19.241 min
Delta R.T.: -0.001 min
Response: 2122412
Conc: 19.47 ug/ml



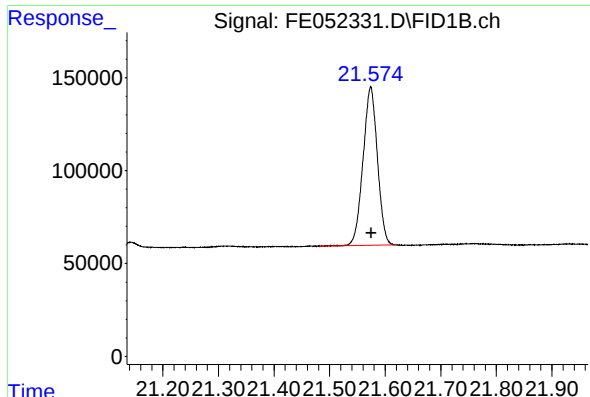
#19 n-Tetratriacontane (C34)

R.T.: 20.022 min
Delta R.T.: -0.001 min
Response: 1865769
Conc: 19.67 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.758 min
Delta R.T.: -0.003 min
Response: 1606510
Conc: 19.44 ug/ml



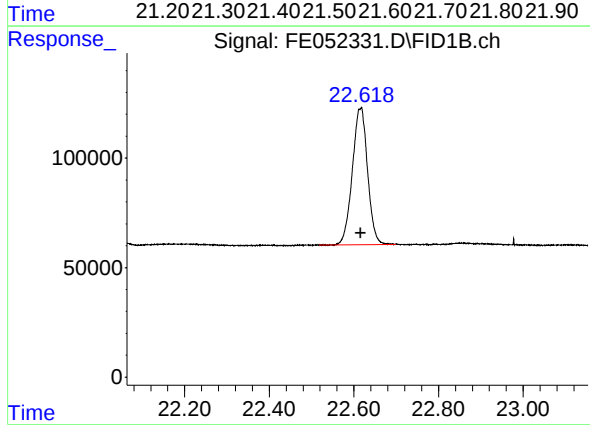
#21 n-Octatriacontane (C38)

R.T.: 21.574 min
Delta R.T.: -0.001 min
Response: 1530984
Conc: 20.61 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.616 min
Delta R.T.: 0.000 min
Response: 1561607
Conc: 20.95 ug/ml