

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE021025AL\
 Data File : FE052342.D
 Signal(s) : FID1B.ch
 Acq On : 11 Feb 2025 06:52
 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 07:23:33 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	2529578	20.438 ug/ml
Spiked Amount 50.000		Recovery =	40.88%
12) S 1-chlorooctadecane (S...	13.722	1999962	20.265 ug/mlm
Spiked Amount 50.000		Recovery =	40.53%
Target Compounds			
1) T n-Nonane (C9)	3.777	1899758	20.339 ug/ml
2) T n-Decane (C10)	5.004	2027815	21.116 ug/ml
3) T A~Naphthalene (C11.7)	6.707	2304924	21.567 ug/ml
4) T n-Dodecane (C12)	7.134	2119292	21.382 ug/ml
5) T A~2-methylnaphthalene...	7.788	2275021	21.722 ug/ml
6) T n-Tetradecane (C14)	8.943	2153538	21.341 ug/ml
7) T n-Hexadecane (C16)	10.539	2270007	20.919 ug/ml
8) T n-Octadecane (C18)	11.973	2334122	20.547 ug/mlm
10) T n-Eicosane (C20)	13.275	2270703	20.121 ug/ml
11) T n-Heneicosane (C21)	13.884	2244478	19.931 ug/ml
13) T n-Docosane (C22)	14.466	2235493	19.750 ug/mlm
14) T n-Tetracosane (C24)	15.565	2223820	19.341 ug/ml
15) T n-Hexacosane (C26)	16.581	2181830	19.025 ug/ml
16) T n-Octacosane (C28)	17.527	2150303	19.005 ug/ml
17) T n-Tricontane (C30)	18.410	2207655	19.374 ug/ml
18) T n-Dotriacontane (C32)	19.240	2150027	19.720 ug/ml
19) T n-Tetratriacontane (C34)	20.021	1875888	19.773 ug/ml
20) T n-Hexatriacontane (C36)	20.758	1649535	19.963 ug/ml
21) T n-Octatriacontane (C38)	21.571	1551451	20.883 ug/ml
22) T n-Tetracontane (C40)	22.614	1581386	21.211 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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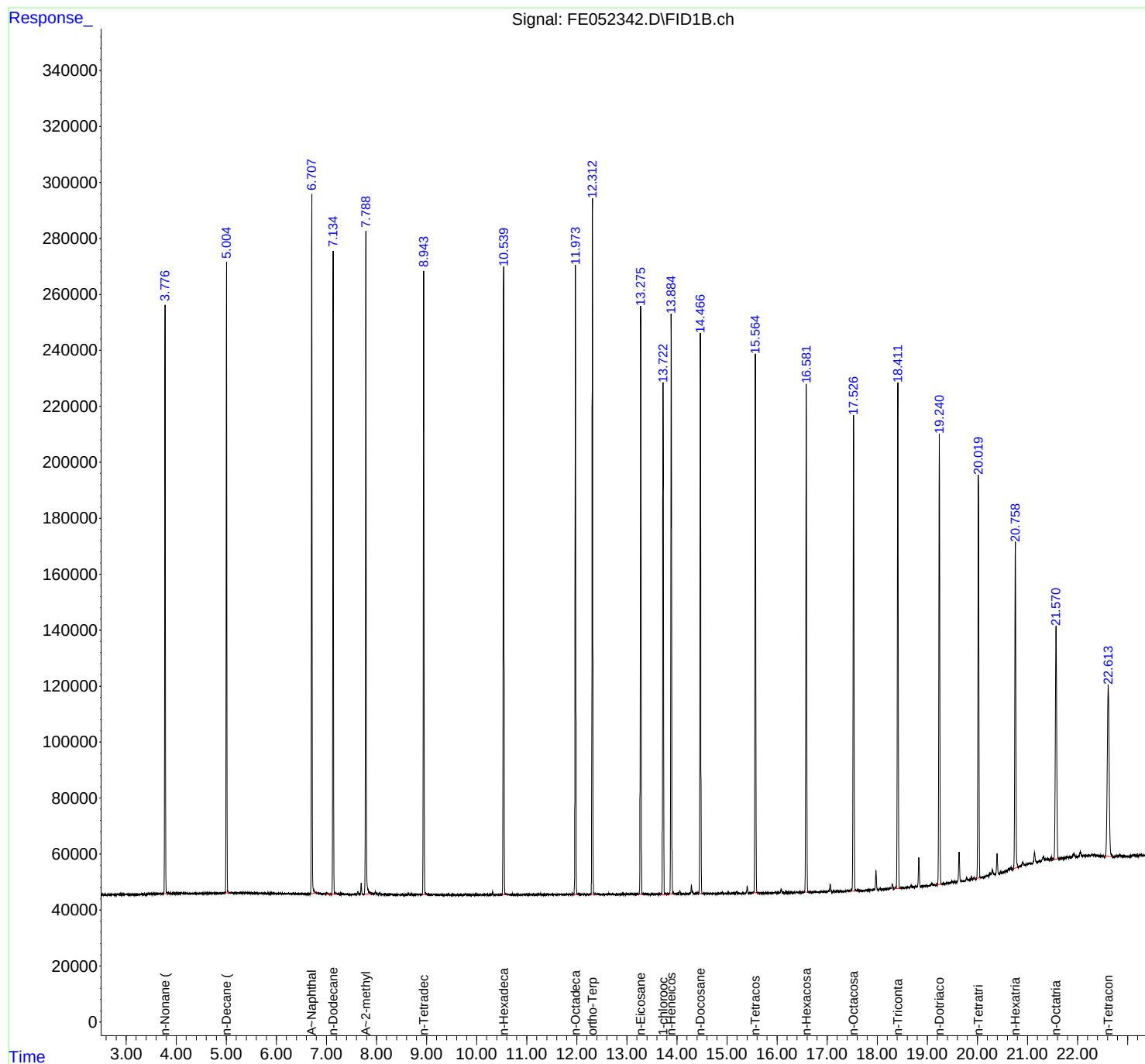
Instrument :
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20 PPM ALIPHATIC HC STD

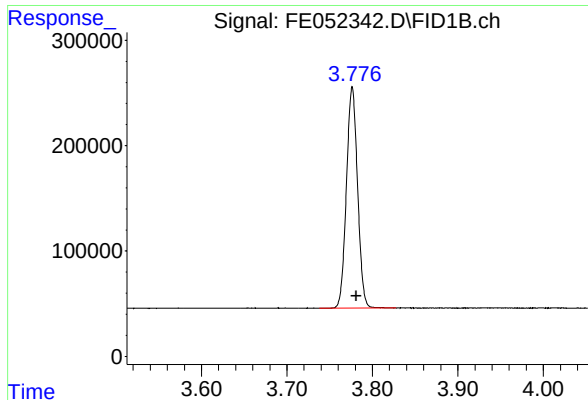
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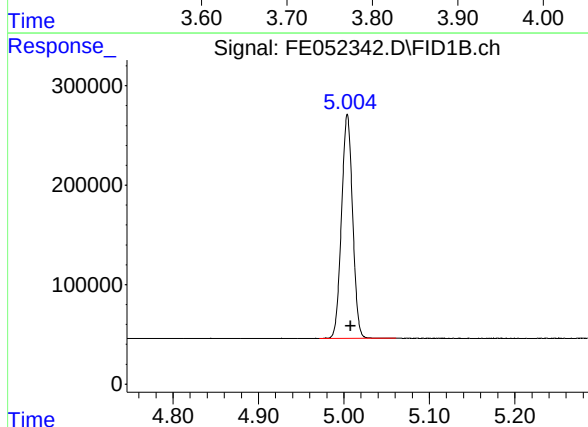
#1 n-Nonane (C9)

R.T.: 3.777 min
Delta R.T.: -0.005 min
Response: 1899758
Conc: 20.34 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

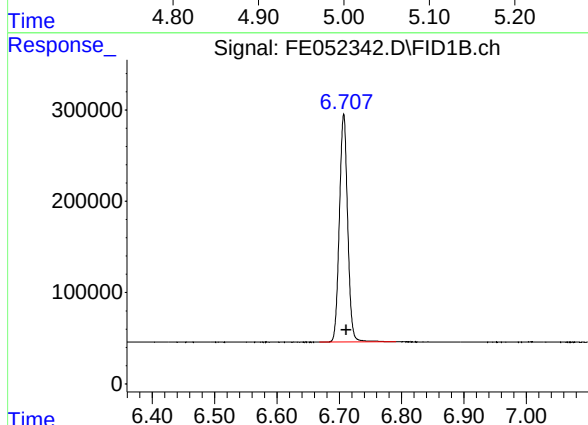
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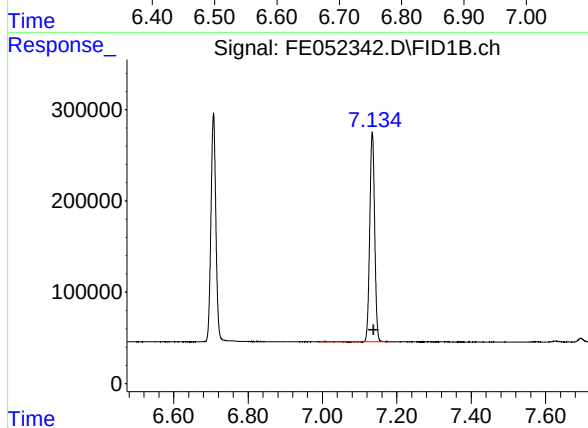
#2 n-Decane (C10)

R.T.: 5.004 min
Delta R.T.: -0.004 min
Response: 2027815
Conc: 21.12 ug/ml



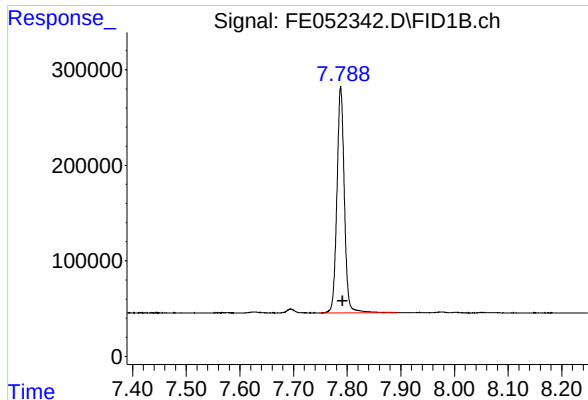
#3 A~Naphthalene (C11.7)

R.T.: 6.707 min
Delta R.T.: -0.004 min
Response: 2304924
Conc: 21.57 ug/ml



#4 n-Dodecane (C12)

R.T.: 7.134 min
Delta R.T.: -0.003 min
Response: 2119292
Conc: 21.38 ug/ml



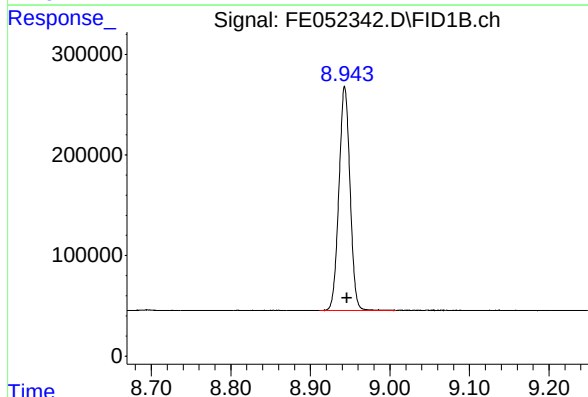
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.788 min
Delta R.T.: -0.004 min
Response: 2275021
Conc: 21.72 ug/ml

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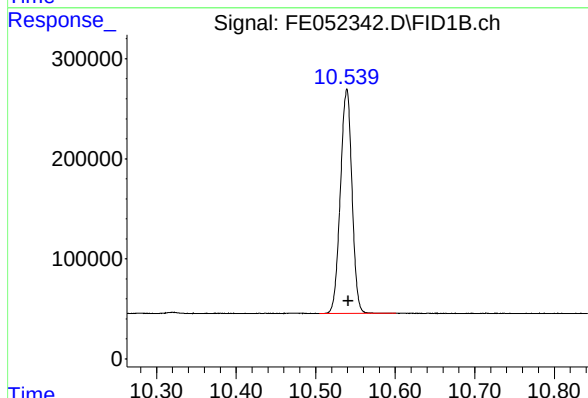
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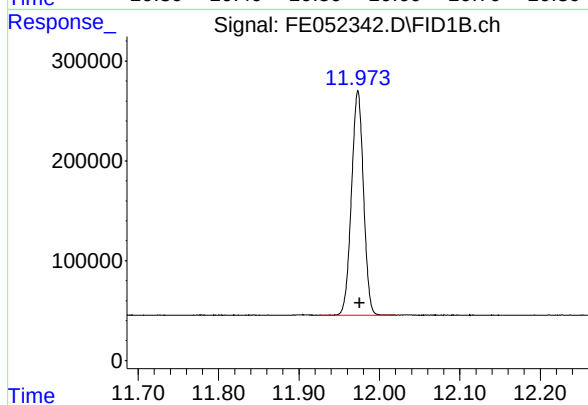
#6 n-Tetradecane (C14)

R.T.: 8.943 min
Delta R.T.: -0.003 min
Response: 2153538
Conc: 21.34 ug/ml



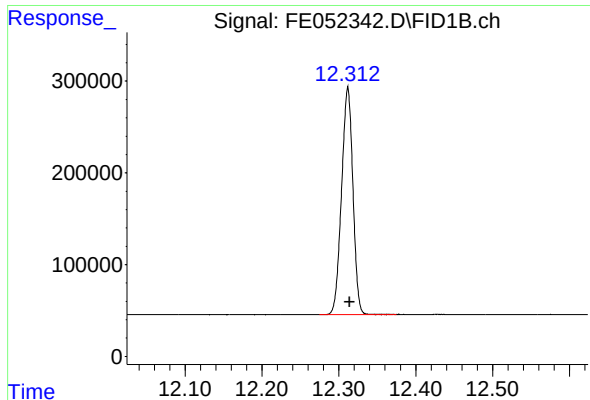
#7 n-Hexadecane (C16)

R.T.: 10.539 min
Delta R.T.: -0.002 min
Response: 2270007
Conc: 20.92 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.973 min
Delta R.T.: -0.002 min
Response: 2334122
Conc: 20.55 ug/ml m



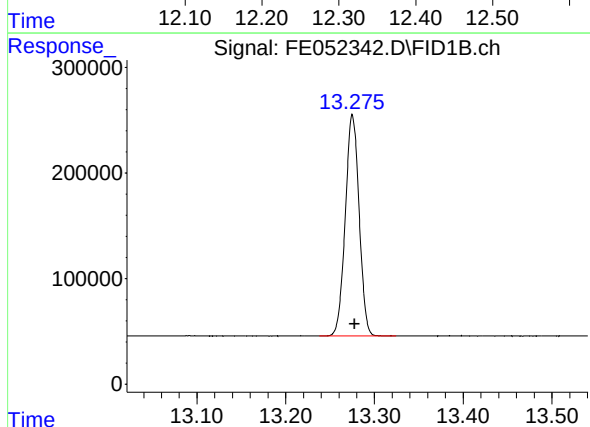
#9 ortho-Terphenyl (SURR)

R.T.: 12.312 min
Delta R.T.: -0.003 min
Response: 2529578
Conc: 20.44 ug/ml

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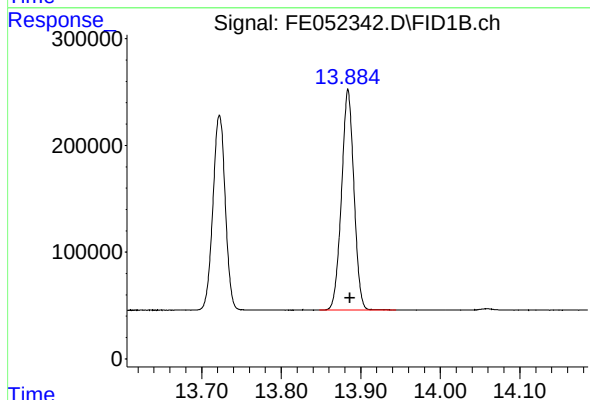
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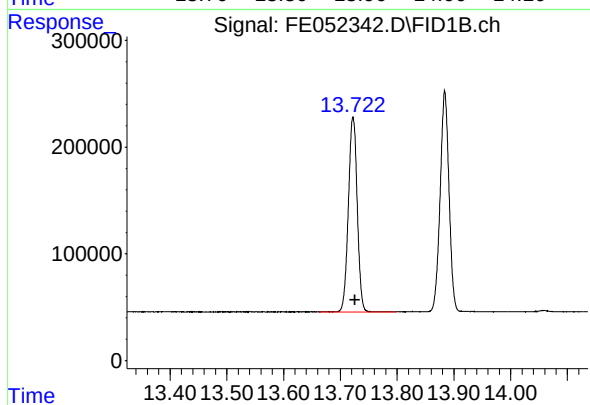
#10 n-Eicosane (C20)

R.T.: 13.275 min
Delta R.T.: -0.002 min
Response: 2270703
Conc: 20.12 ug/ml



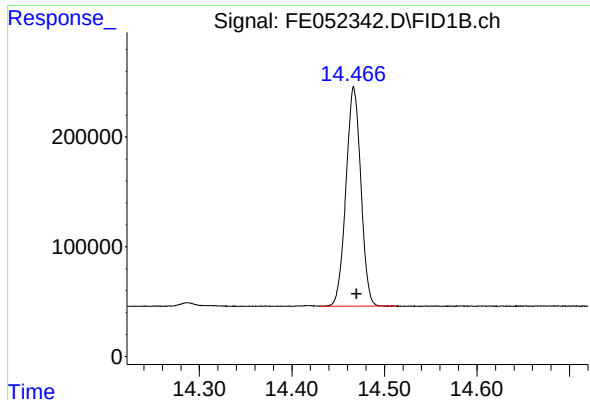
#11 n-Heneicosane (C21)

R.T.: 13.884 min
Delta R.T.: -0.003 min
Response: 2244478
Conc: 19.93 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.722 min
Delta R.T.: -0.003 min
Response: 1999962
Conc: 20.26 ug/ml m



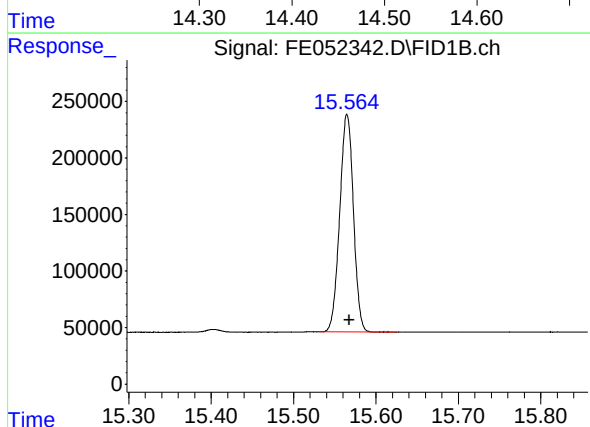
#13 n-Docosane (C22)

R.T.: 14.466 min
Delta R.T.: -0.003 min
Response: 2235493
Conc: 19.75 ug/ml

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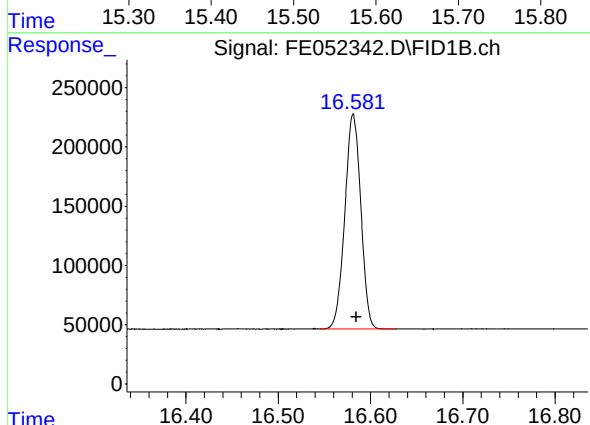
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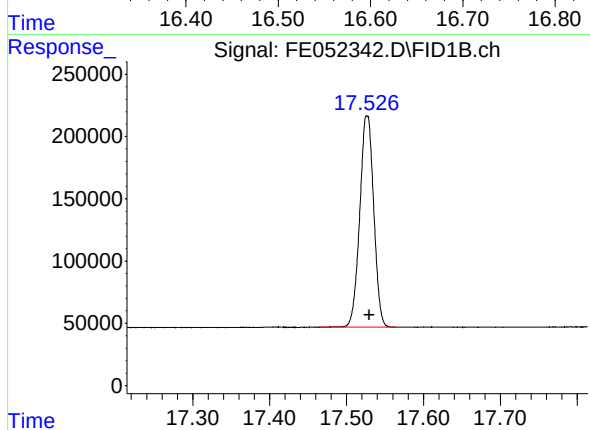
#14 n-Tetracosane (C24)

R.T.: 15.565 min
Delta R.T.: -0.003 min
Response: 2223820
Conc: 19.34 ug/ml



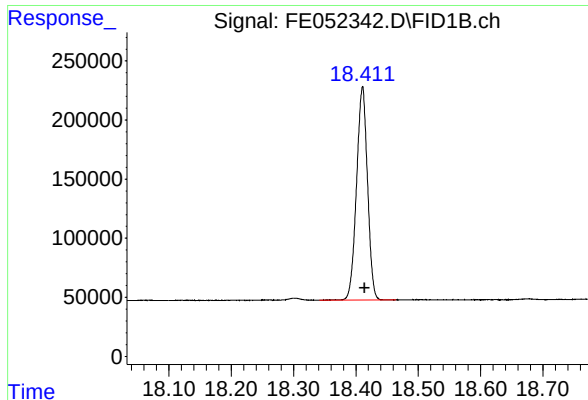
#15 n-Hexacosane (C26)

R.T.: 16.581 min
Delta R.T.: -0.003 min
Response: 2181830
Conc: 19.03 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.527 min
Delta R.T.: -0.003 min
Response: 2150303
Conc: 19.00 ug/ml



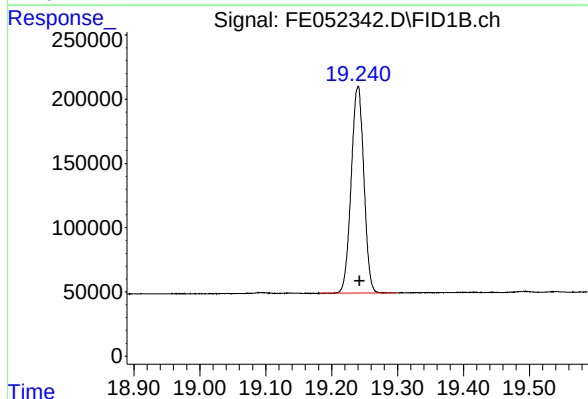
#17 n-Tricontane (C30)

R.T.: 18.410 min
Delta R.T.: -0.003 min
Response: 2207655
Conc: 19.37 ug/ml

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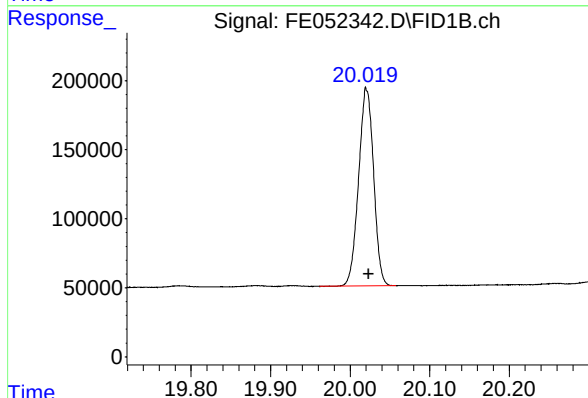
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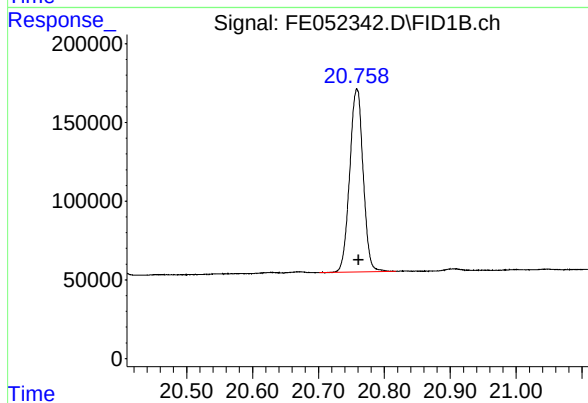
#18 n-Dotriacontane (C32)

R.T.: 19.240 min
Delta R.T.: -0.003 min
Response: 2150027
Conc: 19.72 ug/ml



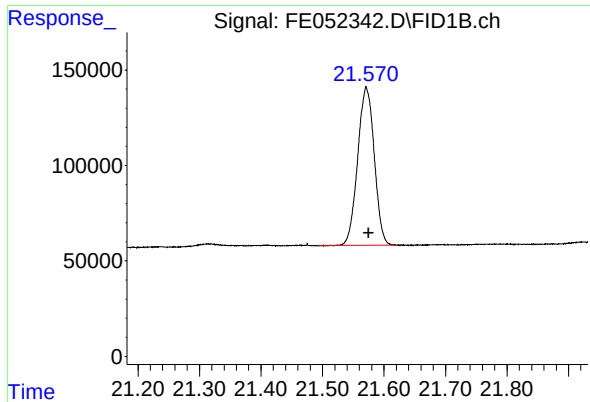
#19 n-Tetratriacontane (C34)

R.T.: 20.021 min
Delta R.T.: -0.003 min
Response: 1875888
Conc: 19.77 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.758 min
Delta R.T.: -0.003 min
Response: 1649535
Conc: 19.96 ug/ml



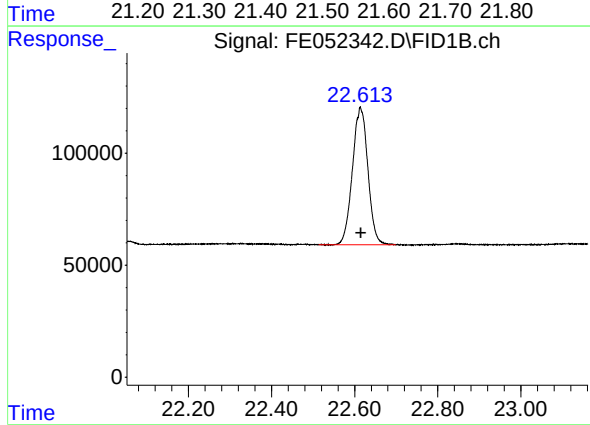
#21 n-Octatriacontane (C38)

R.T.: 21.571 min
Delta R.T.: -0.004 min
Response: 1551451
Conc: 20.88 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.614 min
Delta R.T.: -0.002 min
Response: 1581386
Conc: 21.21 ug/ml