

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE021025AL\
 Data File : FE052316.D
 Signal(s) : FID1B.ch
 Acq On : 10 Feb 2025 13:30
 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 03:58:18 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)	12.313	2516909	20.335 ug/ml
Spiked Amount 50.000		Recovery =	40.67%
12) S 1-chlorooctadecane (S...	13.725	1978634	20.049 ug/mlm
Spiked Amount 50.000		Recovery =	40.10%
Target Compounds			
1) T n-Nonane (C9)	3.778	1878570	20.112 ug/ml
2) T n-Decane (C10)	5.006	2003097	20.859 ug/ml
3) T A~Naphthalene (C11.7)	6.709	2281340	21.346 ug/ml
4) T n-Dodecane (C12)	7.136	2099633	21.183 ug/mlm
5) T A~2-methylnaphthalene...	7.790	2249180	21.475 ug/ml
6) T n-Tetradecane (C14)	8.945	2141228	21.219 ug/ml
7) T n-Hexadecane (C16)	10.540	2264036	20.864 ug/ml
8) T n-Octadecane (C18)	11.975	2325938	20.475 ug/mlm
10) T n-Eicosane (C20)	13.278	2261744	20.042 ug/ml
11) T n-Heneicosane (C21)	13.887	2234107	19.839 ug/ml
13) T n-Docosane (C22)	14.470	2224733	19.655 ug/mlm
14) T n-Tetracosane (C24)	15.568	2204937	19.177 ug/ml
15) T n-Hexacosane (C26)	16.584	2158109	18.818 ug/ml
16) T n-Octacosane (C28)	17.530	2119261	18.730 ug/ml
17) T n-Tricontane (C30)	18.415	2154109	18.904 ug/ml
18) T n-Dotriacontane (C32)	19.244	2071098	18.996 ug/ml
19) T n-Tetratriacontane (C34)	20.025	1809019	19.068 ug/ml
20) T n-Hexatriacontane (C36)	20.762	1560933	18.891 ug/ml
21) T n-Octatriacontane (C38)	21.577	1485865	20.001 ug/ml
22) T n-Tetracontane (C40)	22.619	1494868	20.051 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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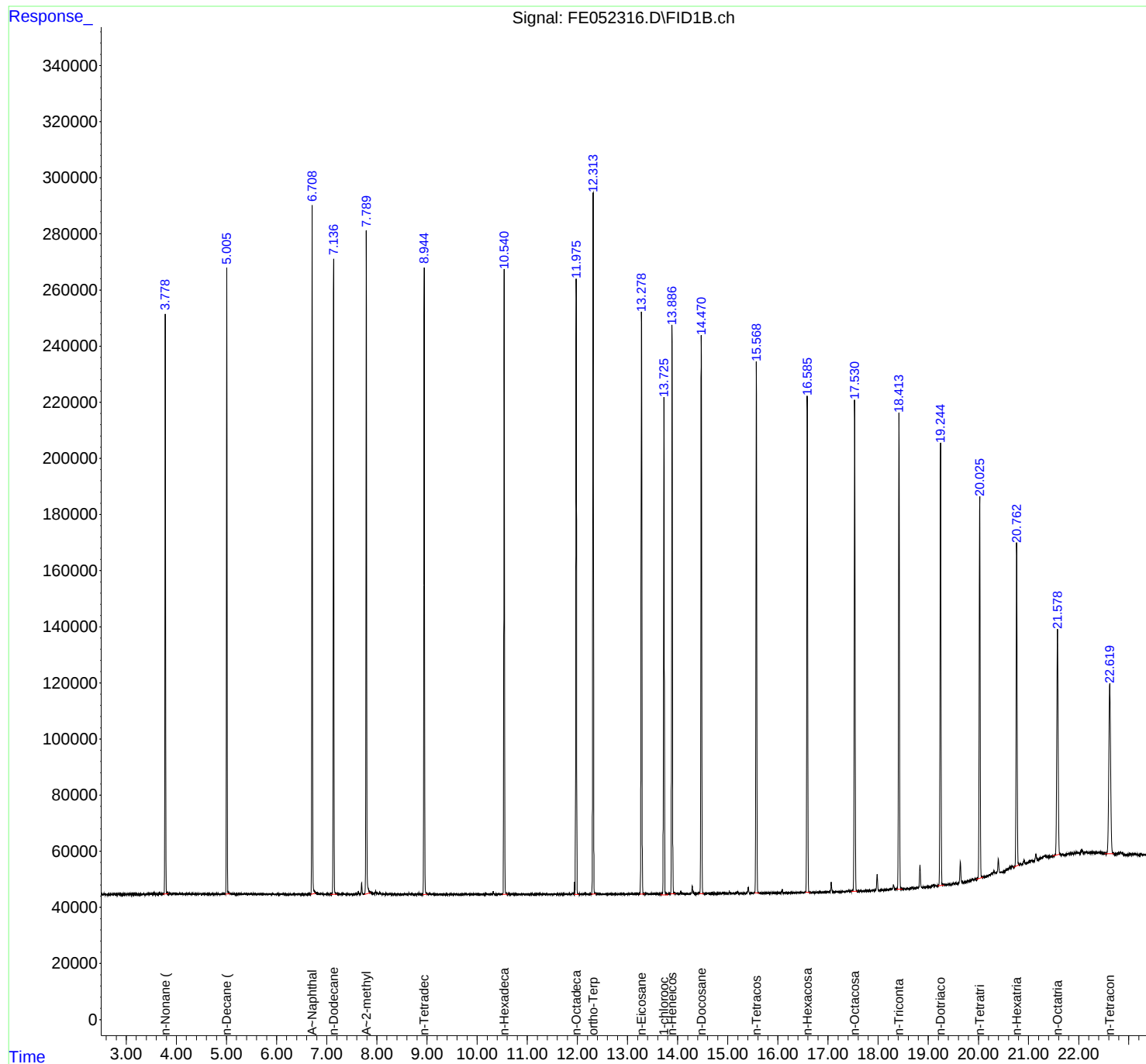
Instrument :
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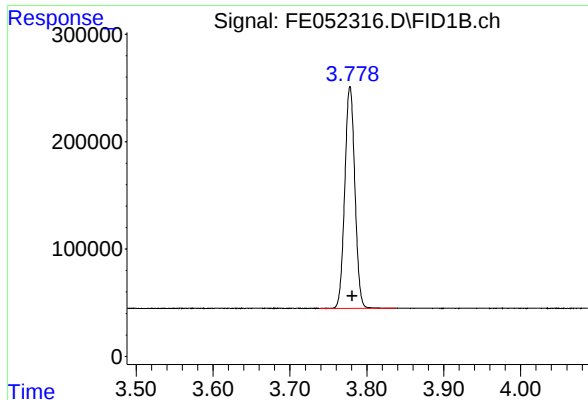
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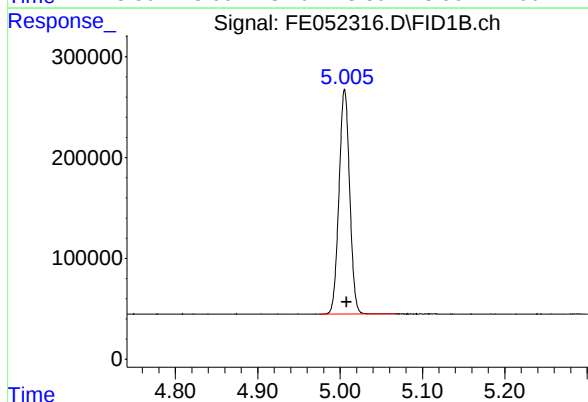
#1 n-Nonane (C9)

R.T.: 3.778 min
Delta R.T.: -0.003 min
Response: 1878570
Conc: 20.11 ug/ml

Instrument :
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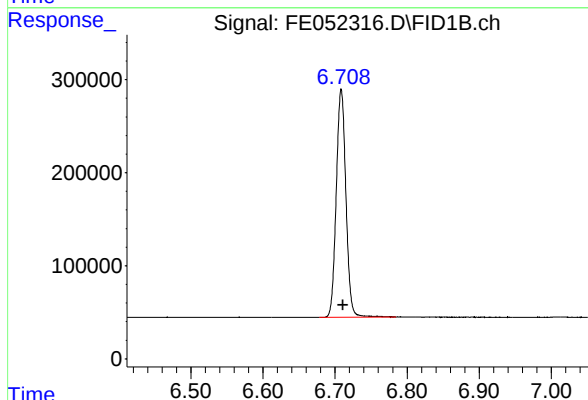
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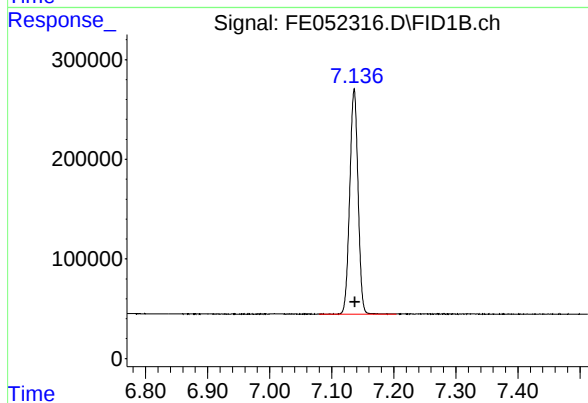
#2 n-Decane (C10)

R.T.: 5.006 min
Delta R.T.: -0.002 min
Response: 2003097
Conc: 20.86 ug/ml



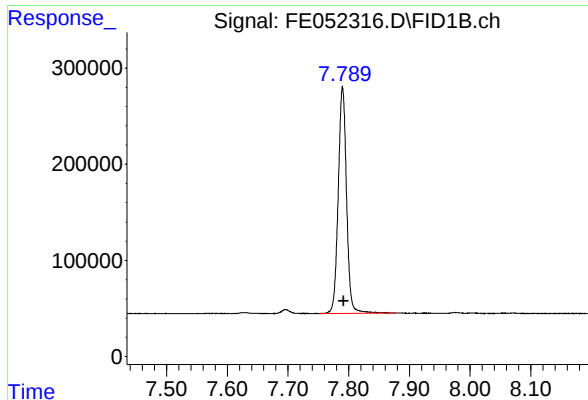
#3 A~Naphthalene (C11.7)

R.T.: 6.709 min
Delta R.T.: -0.003 min
Response: 2281340
Conc: 21.35 ug/ml



#4 n-Dodecane (C12)

R.T.: 7.136 min
Delta R.T.: -0.001 min
Response: 2099633
Conc: 21.18 ug/ml m



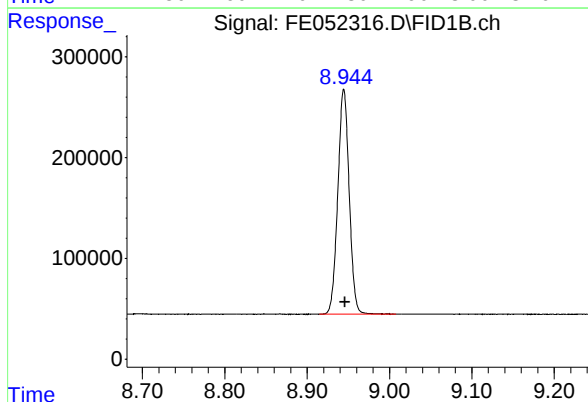
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.790 min
Delta R.T.: -0.002 min
Response: 2249180
Conc: 21.48 ug/ml

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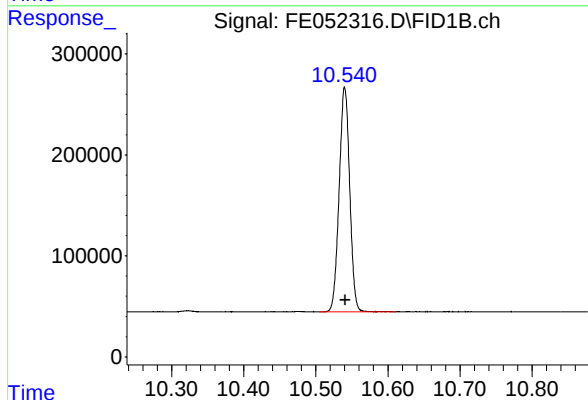
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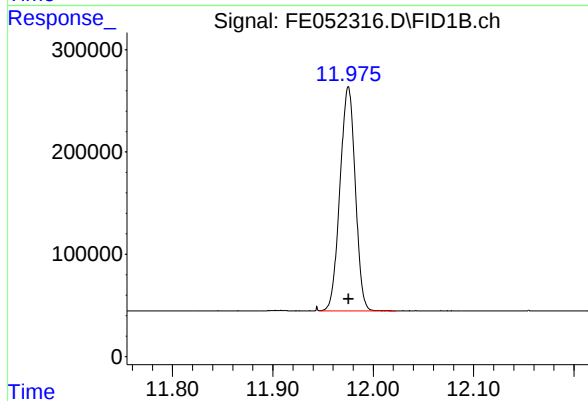
#6 n-Tetradecane (C14)

R.T.: 8.945 min
Delta R.T.: -0.001 min
Response: 2141228
Conc: 21.22 ug/ml



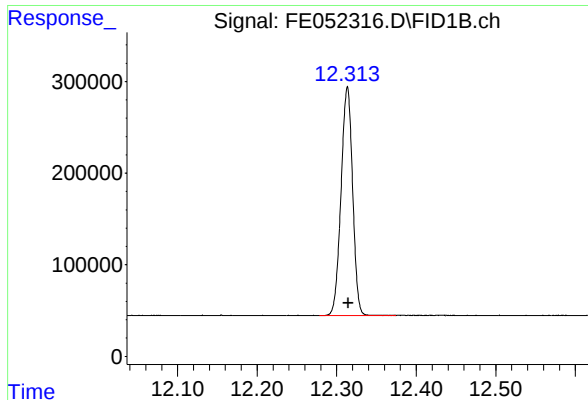
#7 n-Hexadecane (C16)

R.T.: 10.540 min
Delta R.T.: 0.000 min
Response: 2264036
Conc: 20.86 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.975 min
Delta R.T.: 0.000 min
Response: 2325938
Conc: 20.47 ug/ml m



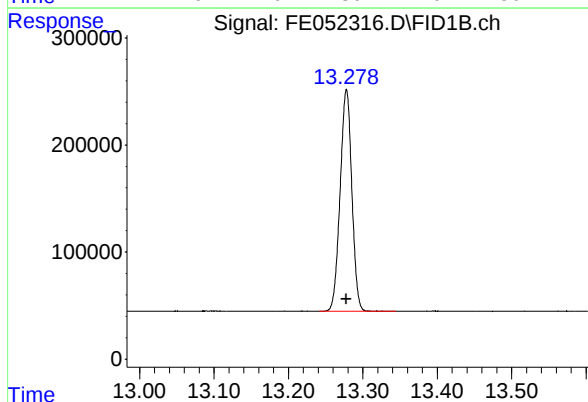
#9 ortho-Terphenyl (SURR)

R.T.: 12.313 min
Delta R.T.: 0.000 min
Response: 2516909
Conc: 20.34 ug/ml

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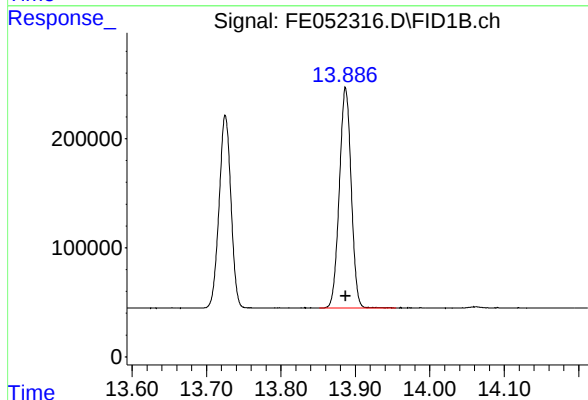
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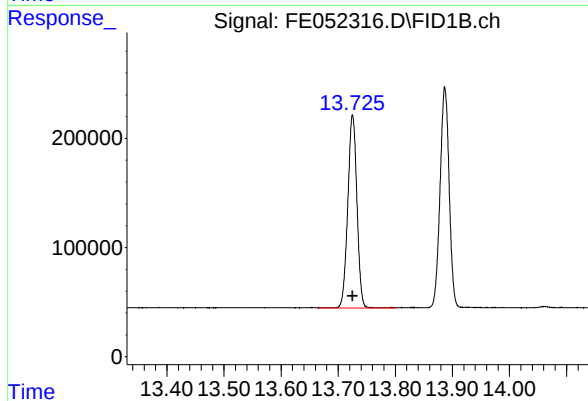
#10 n-Eicosane (C20)

R.T.: 13.278 min
Delta R.T.: 0.000 min
Response: 2261744
Conc: 20.04 ug/ml



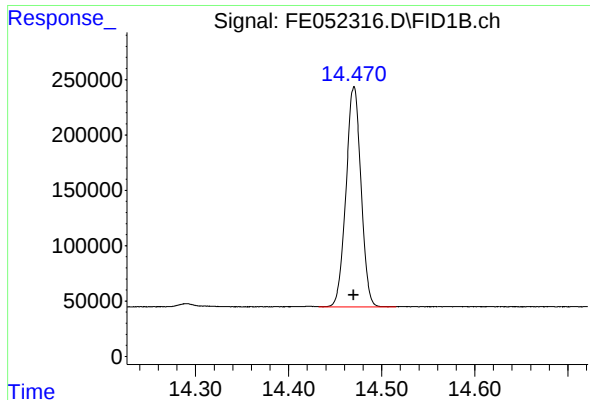
#11 n-Heneicosane (C21)

R.T.: 13.887 min
Delta R.T.: 0.000 min
Response: 2234107
Conc: 19.84 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.725 min
Delta R.T.: 0.000 min
Response: 1978634
Conc: 20.05 ug/ml m



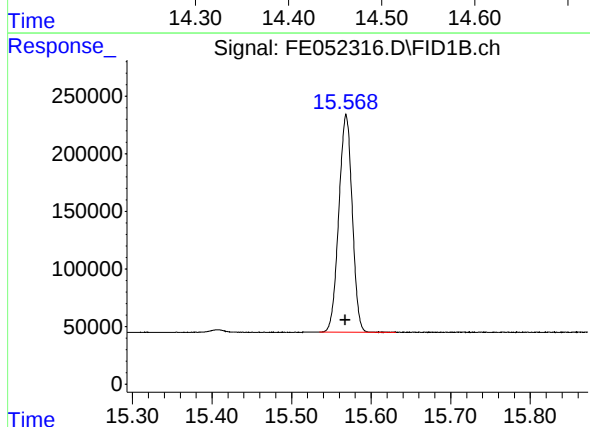
#13 n-Docosane (C22)

R.T.: 14.470 min
Delta R.T.: 0.000 min
Response: 2224733
Conc: 19.65 ug/ml

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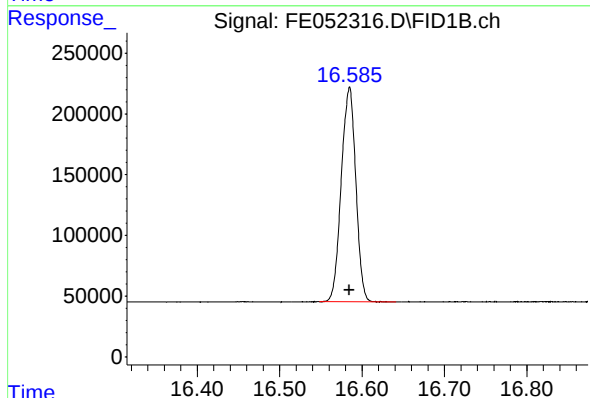
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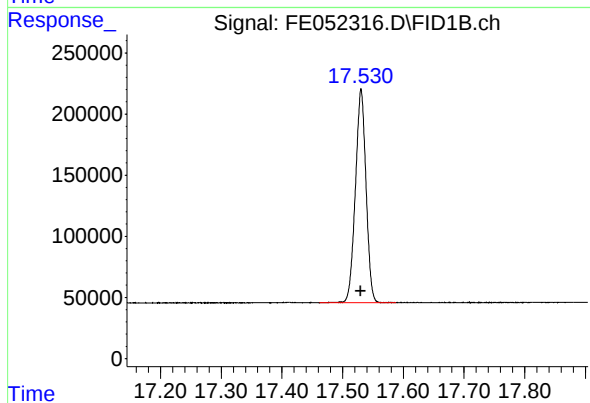
#14 n-Tetracosane (C24)

R.T.: 15.568 min
Delta R.T.: 0.000 min
Response: 2204937
Conc: 19.18 ug/ml



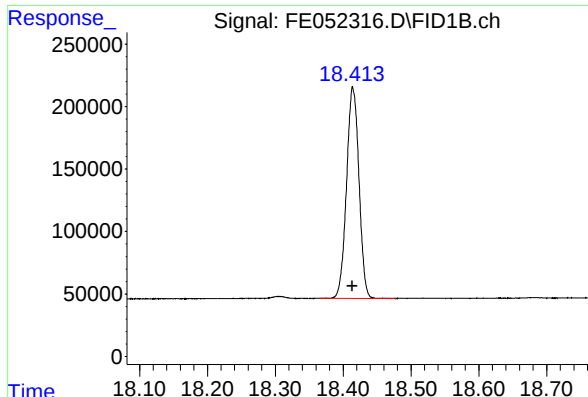
#15 n-Hexacosane (C26)

R.T.: 16.584 min
Delta R.T.: 0.000 min
Response: 2158109
Conc: 18.82 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.530 min
Delta R.T.: 0.000 min
Response: 2119261
Conc: 18.73 ug/ml



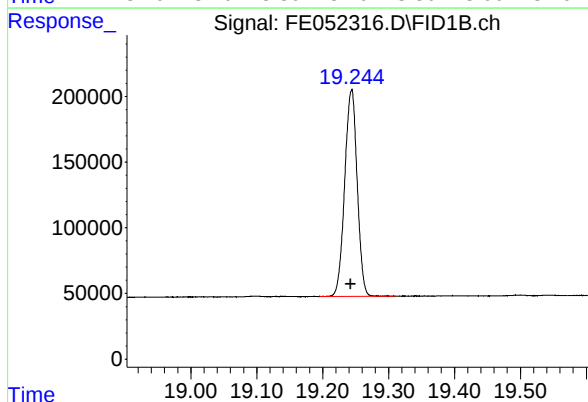
#17 n-Tricontane (C30)

R.T.: 18.415 min
Delta R.T.: 0.000 min
Response: 2154109
Conc: 18.90 ug/ml

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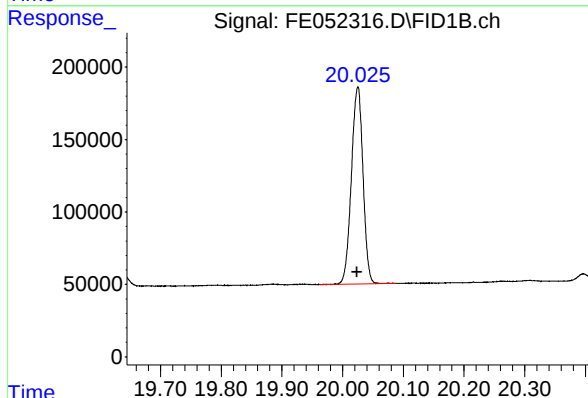
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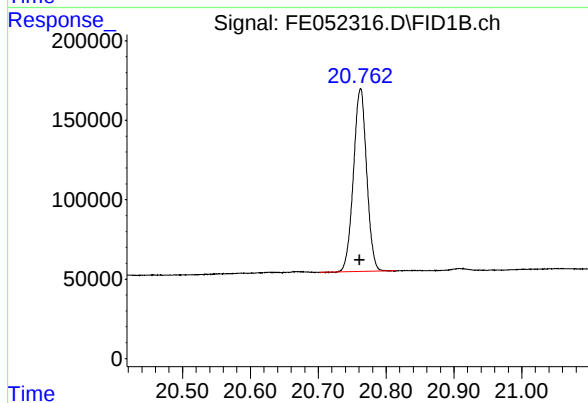
#18 n-Dotriacontane (C32)

R.T.: 19.244 min
Delta R.T.: 0.000 min
Response: 2071098
Conc: 19.00 ug/ml



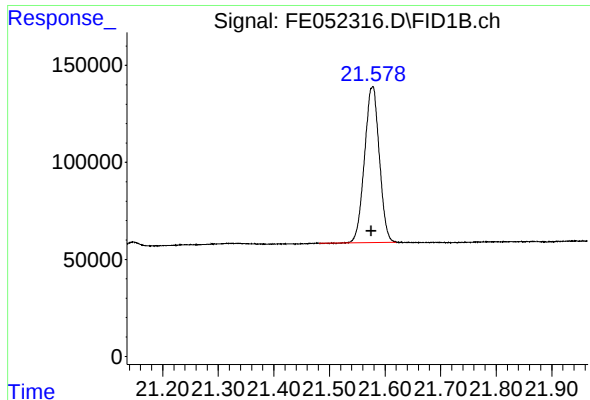
#19 n-Tetratriacontane (C34)

R.T.: 20.025 min
Delta R.T.: 0.002 min
Response: 1809019
Conc: 19.07 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.762 min
Delta R.T.: 0.001 min
Response: 1560933
Conc: 18.89 ug/ml



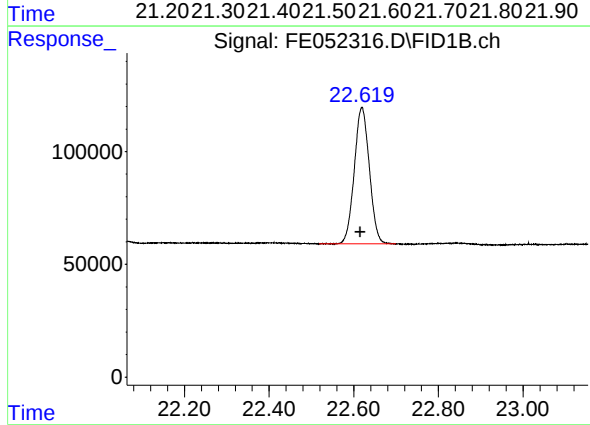
#21 n-Octatriacontane (C38)

R.T.: 21.577 min
Delta R.T.: 0.002 min
Response: 1485865
Conc: 20.00 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.619 min
Delta R.T.: 0.003 min
Response: 1494868
Conc: 20.05 ug/ml