

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE052225AL\
 Data File : FE053967.D
 Signal(s) : FID1B.ch
 Acq On : 22 May 2025 09:09
 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

Integration File: sample.E
 Quant Time: May 23 01:27:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051425.M
 Quant Title : GC Extractables
 QLast Update : Wed May 14 12:15:41 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)	11.843	3049464	18.765 ug/ml
Spiked Amount 50.000		Recovery =	37.53%
12) S 1-chlorooctadecane (S...	13.289	2240677	18.901 ug/ml
Spiked Amount 50.000		Recovery =	37.80%
Target Compounds			
1) T n-Nonane (C9)	3.194	2454767	18.163 ug/ml
2) T n-Decane (C10)	4.455	2479295	18.347 ug/ml
3) T A~Naphthalene (C11.7)	6.168	2644410	18.400 ug/ml
4) T n-Dodecane (C12)	6.635	2517006	18.452 ug/ml
5) T A~2-methylnaphthalene...	7.270	2623304	18.912 ug/ml
6) T n-Tetradecane (C14)	8.471	2505475	18.566 ug/ml
7) T n-Hexadecane (C16)	10.083	2533525	18.776 ug/ml
8) T n-Octadecane (C18)	11.530	2522475	18.732 ug/ml
10) T n-Eicosane (C20)	12.843	2476530	18.843 ug/ml
11) T n-Heneicosane (C21)	13.457	2446826	18.873 ug/ml
13) T n-Docosane (C22)	14.044	2424147	19.002 ug/mlm
14) T n-Tetracosane (C24)	15.149	2402362	19.201 ug/ml
15) T n-Hexacosane (C26)	16.172	2360707	19.279 ug/ml
16) T n-Octacosane (C28)	17.124	2359773	19.412 ug/ml
17) T n-Tricontane (C30)	18.013	2464571	19.785 ug/mlm
18) T n-Dotriacontane (C32)	18.848	2485851	19.878 ug/ml
19) T n-Tetratriacontane (C34)	19.633	2361659	19.826 ug/ml
20) T n-Hexatriacontane (C36)	20.375	2321023	20.046 ug/ml
21) T n-Octatriacontane (C38)	21.105	2174507	19.982 ug/ml
22) T n-Tetracontane (C40)	21.998	2137990	21.546 ug/mlm

(f)=RT Delta > 1/2 Window

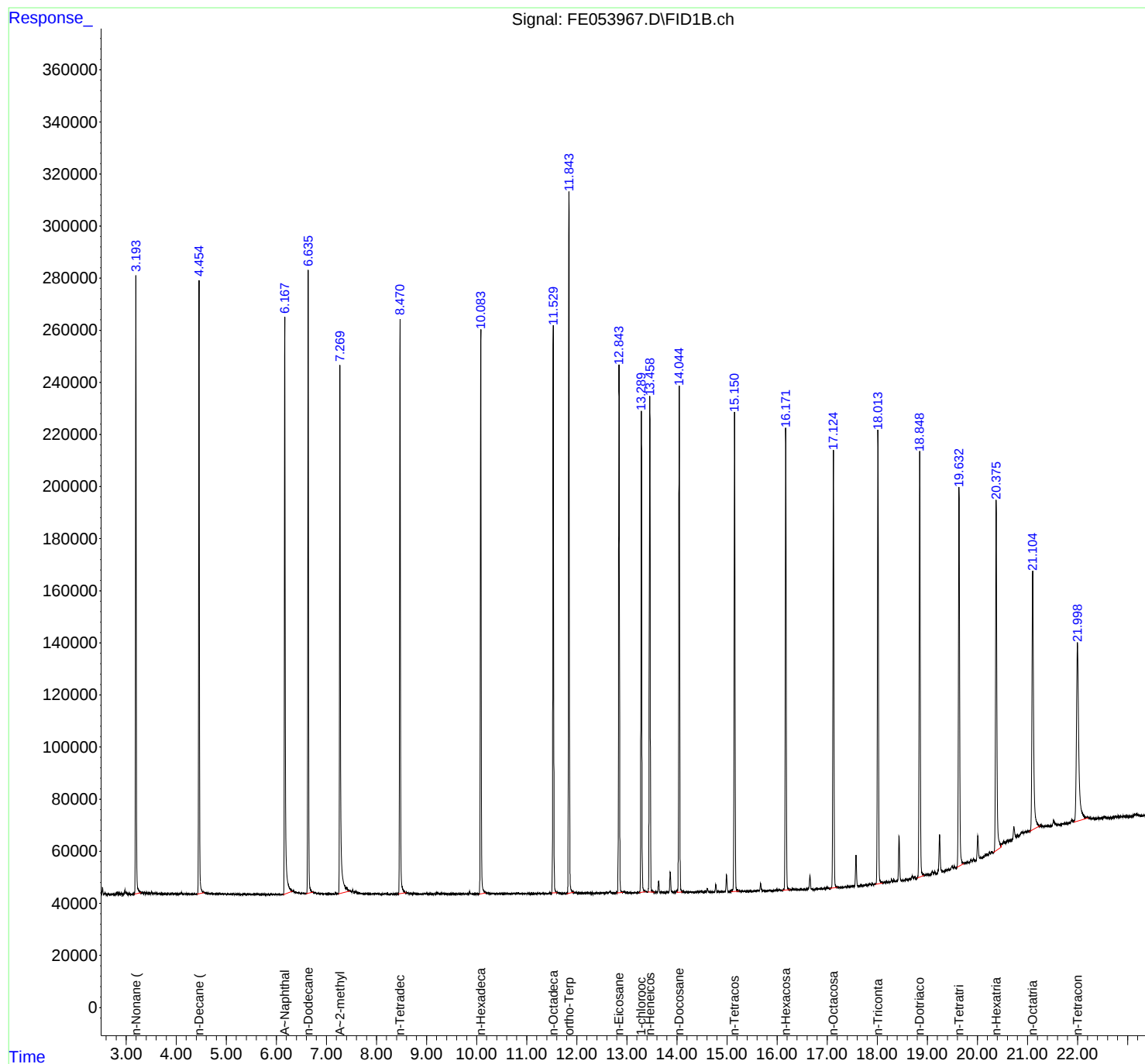
(m)=manual int.

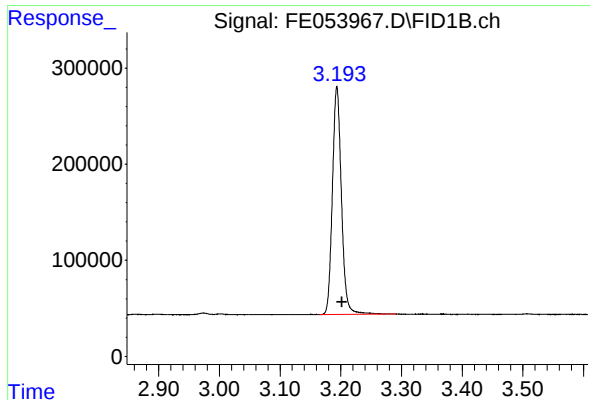
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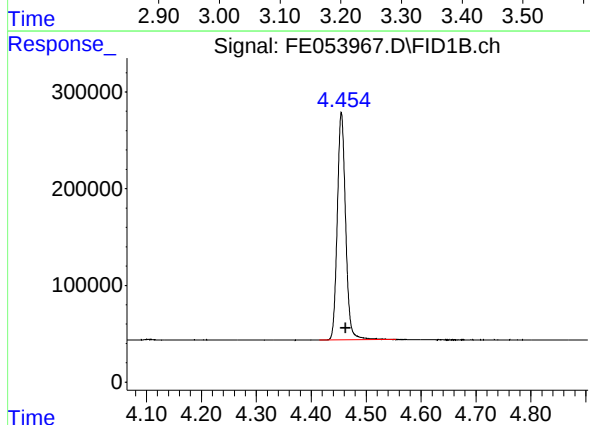




#1 n-Nonane (C9)

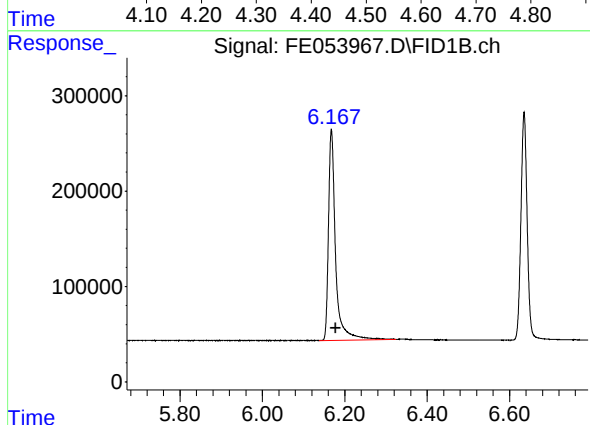
R.T.: 3.194 min
Delta R.T.: -0.008 min
Response: 2454767
Conc: 18.16 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD



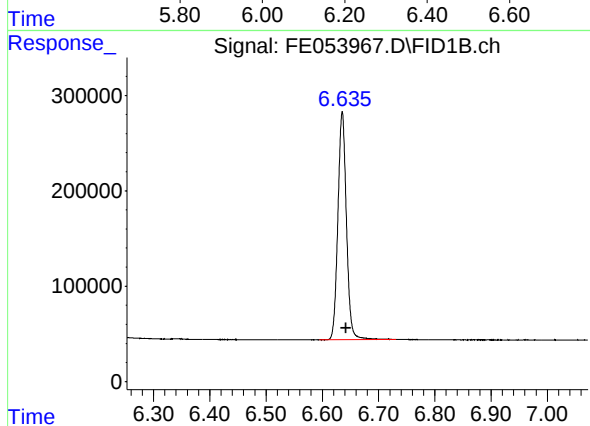
#2 n-Decane (C10)

R.T.: 4.455 min
Delta R.T.: -0.007 min
Response: 2479295
Conc: 18.35 ug/ml



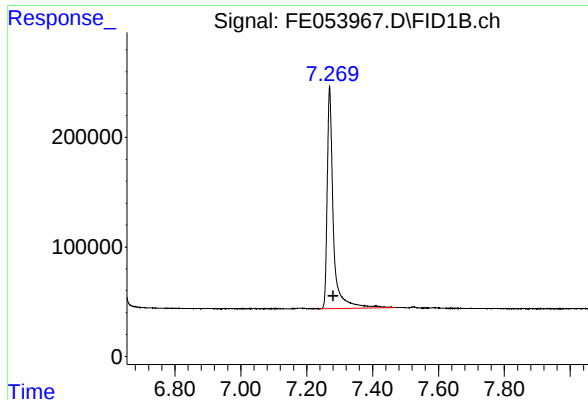
#3 A~Naphthalene (C11.7)

R.T.: 6.168 min
Delta R.T.: -0.010 min
Response: 2644410
Conc: 18.40 ug/ml



#4 n-Dodecane (C12)

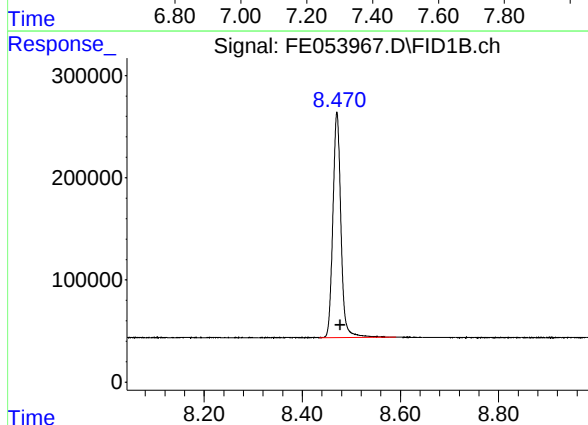
R.T.: 6.635 min
Delta R.T.: -0.007 min
Response: 2517006
Conc: 18.45 ug/ml



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

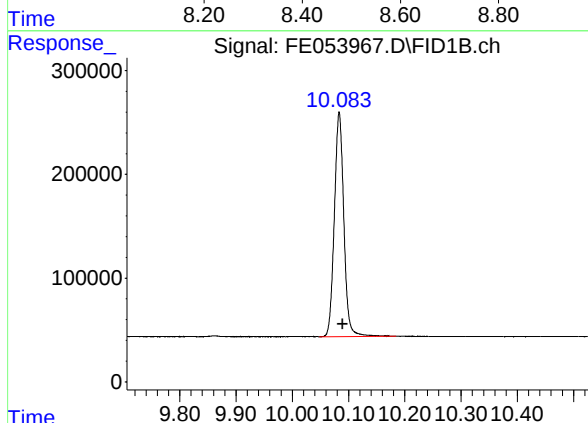
R.T.: 7.270 min
Delta R.T.: -0.010 min
Response: 2623304
Conc: 18.91 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD



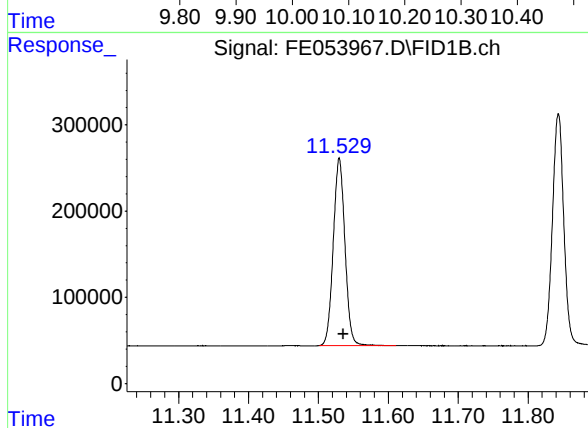
#6 n-Tetradecane (C14)

R.T.: 8.471 min
Delta R.T.: -0.007 min
Response: 2505475
Conc: 18.57 ug/ml



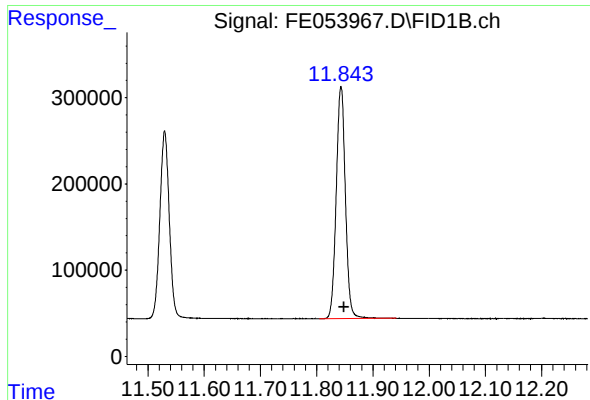
#7 n-Hexadecane (C16)

R.T.: 10.083 min
Delta R.T.: -0.006 min
Response: 2533525
Conc: 18.78 ug/ml



#8 n-Octadecane (C18)

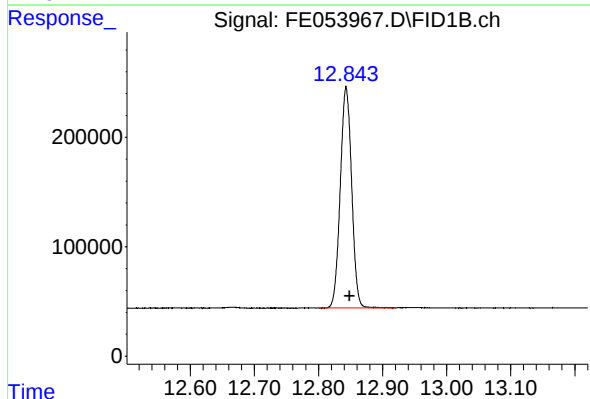
R.T.: 11.530 min
Delta R.T.: -0.006 min
Response: 2522475
Conc: 18.73 ug/ml



#9 ortho-Terphenyl (SURR)

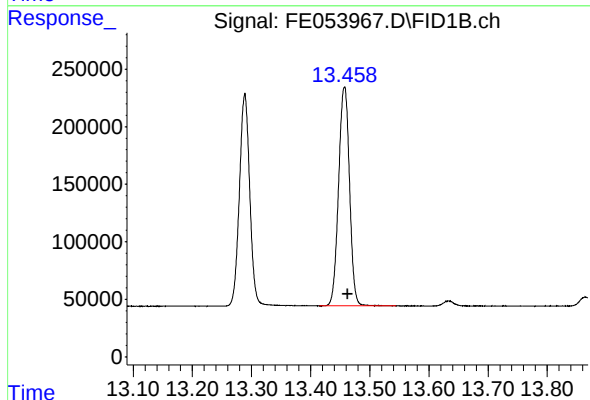
R.T.: 11.843 min
Delta R.T.: -0.005 min
Response: 3049464
Conc: 18.76 ug/ml

Instrument :
FID_E
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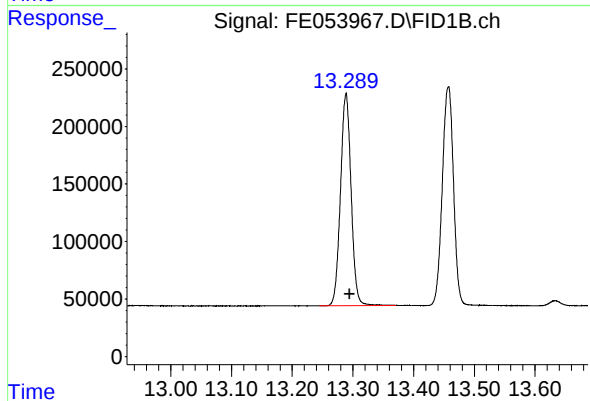
#10 n-Eicosane (C20)

R.T.: 12.843 min
Delta R.T.: -0.005 min
Response: 2476530
Conc: 18.84 ug/ml



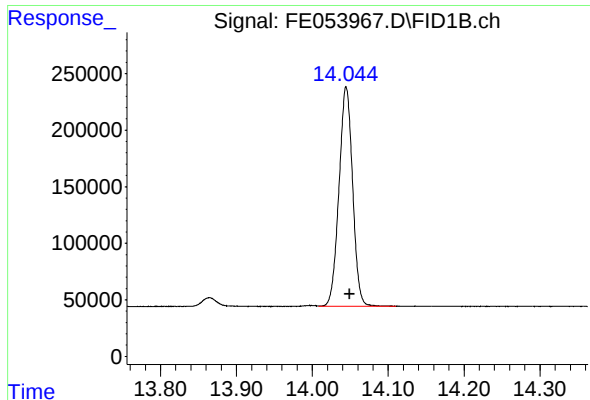
#11 n-Heneicosane (C21)

R.T.: 13.457 min
Delta R.T.: -0.005 min
Response: 2446826
Conc: 18.87 ug/ml



#12 1-chlorooctadecane (SURR)

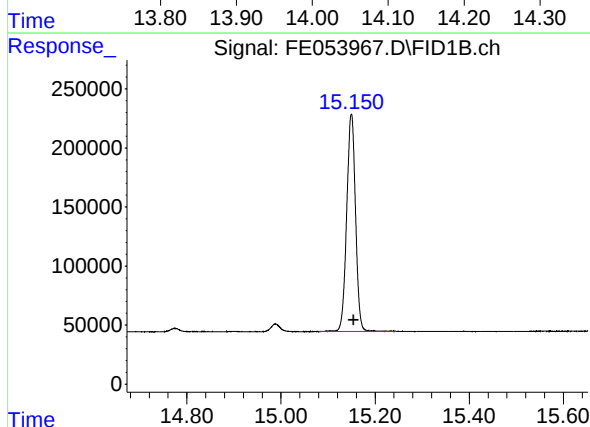
R.T.: 13.289 min
Delta R.T.: -0.006 min
Response: 2240677
Conc: 18.90 ug/ml



#13 n-Docosane (C22)

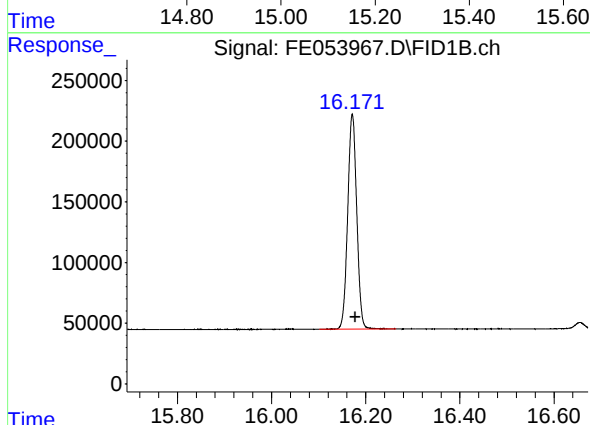
R.T.: 14.044 min
Delta R.T.: -0.005 min
Response: 2424147
Conc: 19.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD



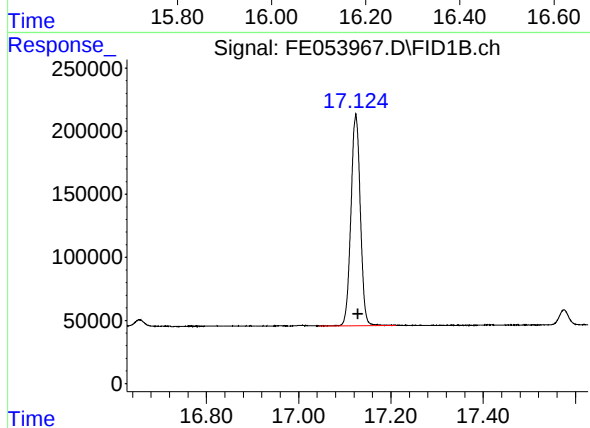
#14 n-Tetracosane (C24)

R.T.: 15.149 min
Delta R.T.: -0.005 min
Response: 2402362
Conc: 19.20 ug/ml



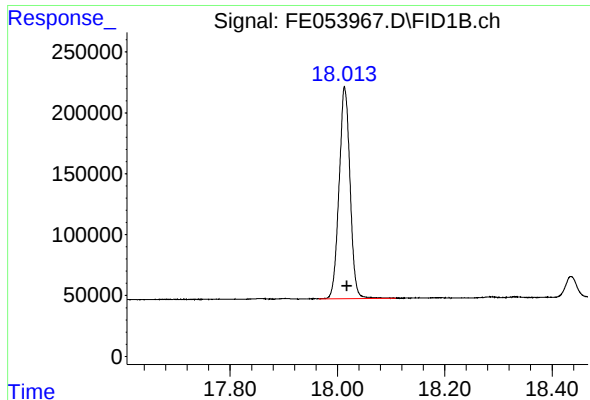
#15 n-Hexacosane (C26)

R.T.: 16.172 min
Delta R.T.: -0.006 min
Response: 2360707
Conc: 19.28 ug/ml



#16 n-Octacosane (C28)

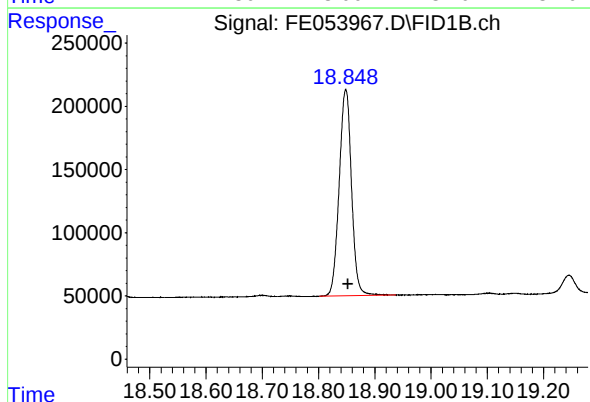
R.T.: 17.124 min
Delta R.T.: -0.005 min
Response: 2359773
Conc: 19.41 ug/ml



#17 n-Tricontane (C30)

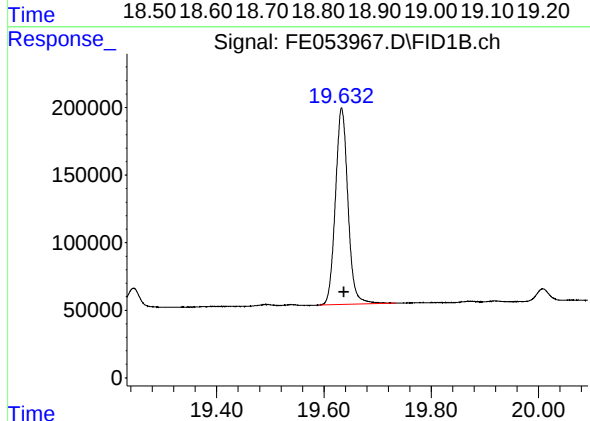
R.T.: 18.013 min
Delta R.T.: -0.005 min
Response: 2464571
Conc: 19.79 ug/ml

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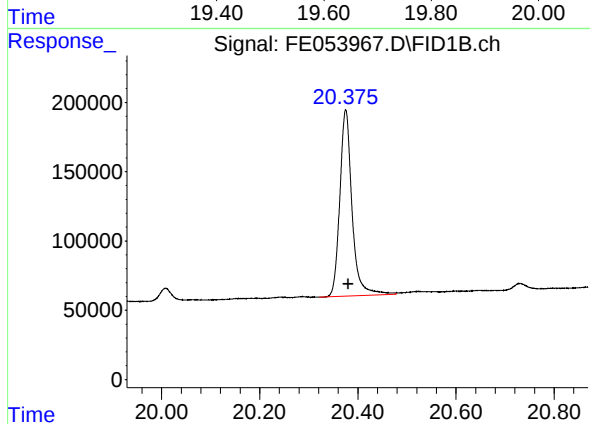
#18 n-Dotriacontane (C32)

R.T.: 18.848 min
Delta R.T.: -0.004 min
Response: 2485851
Conc: 19.88 ug/ml



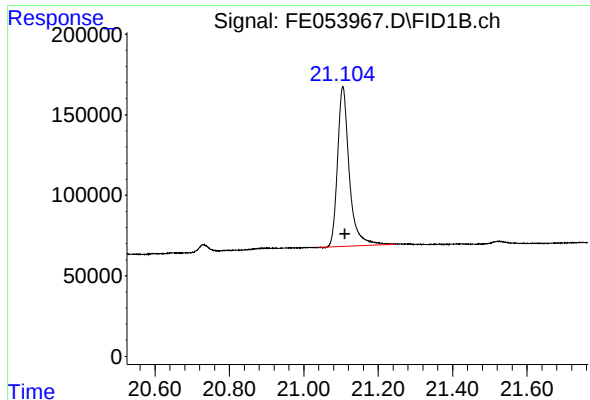
#19 n-Tetratriacontane (C34)

R.T.: 19.633 min
Delta R.T.: -0.005 min
Response: 2361659
Conc: 19.83 ug/ml



#20 n-Hexatriacontane (C36)

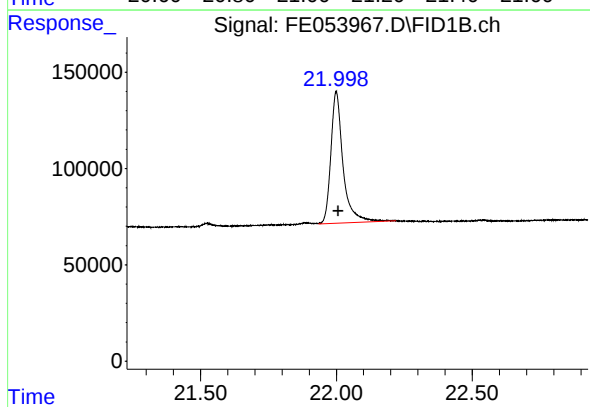
R.T.: 20.375 min
Delta R.T.: -0.005 min
Response: 2321023
Conc: 20.05 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.105 min
Delta R.T.: -0.006 min
Response: 2174507
Conc: 19.98 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.998 min
Delta R.T.: -0.009 min
Response: 2137990
Conc: 21.55 ug/ml m