

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF100224AL\
 Data File : FF014594.D
 Signal(s) : FID2B.ch
 Acq On : 02 Oct 2024 12:38
 Operator : YP\AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/02/2024
 Supervised By :Ankita Jodhani 10/03/2024

Integration File: autoint1.e
 Quant Time: Oct 02 12:49:41 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 100224.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 02 12:26:27 2024
 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)	11.789	827299	5.426 ug/ml
Spiked Amount 50.000		Recovery =	10.85%
12) S 1-chlorooctadecane (S...	13.231	619801	5.218 ug/ml
Spiked Amount 50.000		Recovery =	10.44%
Target Compounds			
1) T n-Nonane (C9)	3.196	666809	5.384 ug/ml
2) T n-Decane (C10)	4.443	666268	5.293 ug/ml
3) T A~Naphthalene (C11.7)	6.139	641995	4.830 ug/ml
4) T n-Dodecane (C12)	6.608	675524	5.297 ug/ml
5) T A~2-methylnaphthalene...	7.235	545156	4.352 ug/ml
6) T n-Tetradecane (C14)	8.434	667178	5.247 ug/ml
7) T n-Hexadecane (C16)	10.040	658844	5.009 ug/ml
8) T n-Octadecane (C18)	11.481	698833	5.092 ug/ml
10) T n-Eicosane (C20)	12.788	732515	5.341 ug/ml
11) T n-Heneicosane (C21)	13.400	737707	5.395 ug/ml
13) T n-Docosane (C22)	13.984	752468	5.452 ug/ml
14) T n-Tetracosane (C24)	15.086	768853	5.432 ug/ml
15) T n-Hexacosane (C26)	16.107	786495	5.529 ug/ml
16) T n-Octacosane (C28)	17.055	831017	5.799 ug/ml
17) T n-Tricontane (C30)	17.941	931292	6.269 ug/ml
18) T n-Dotriacontane (C32)	18.772	939268	6.497 ug/ml
19) T n-Tetratriacontane (C34)	19.554	767884	6.257 ug/ml
20) T n-Hexatriacontane (C36)	20.293	543929	5.322 ug/mlm
21) T n-Octatriacontane (C38)	21.009	480117	5.443 ug/ml
22) T n-Tetracontane (C40)	21.876	376963	4.773 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

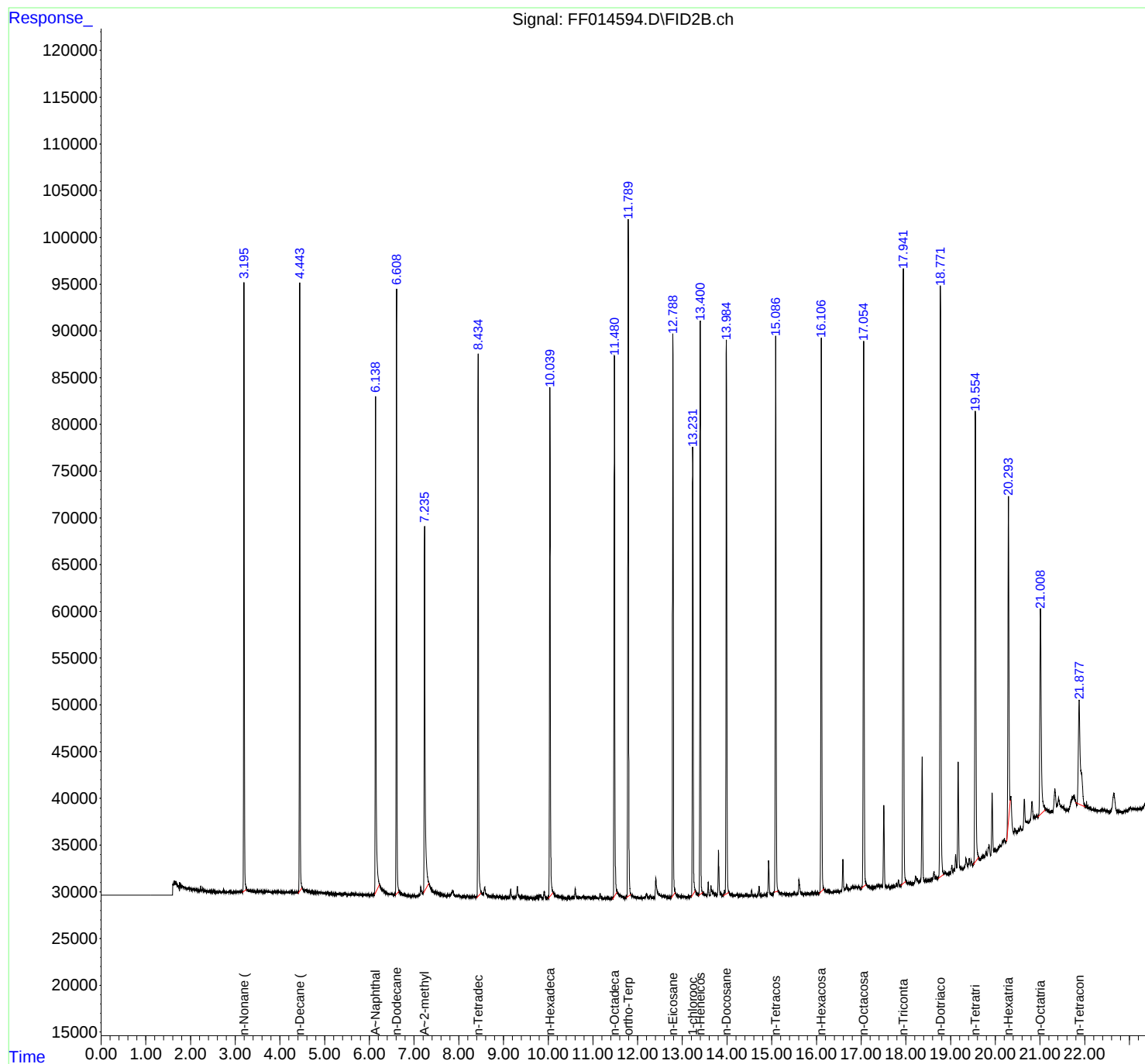
Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5

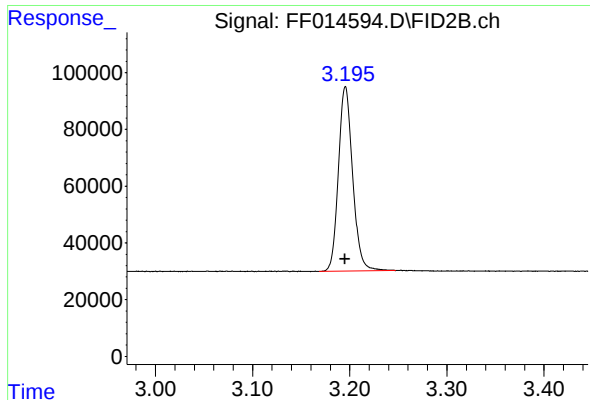
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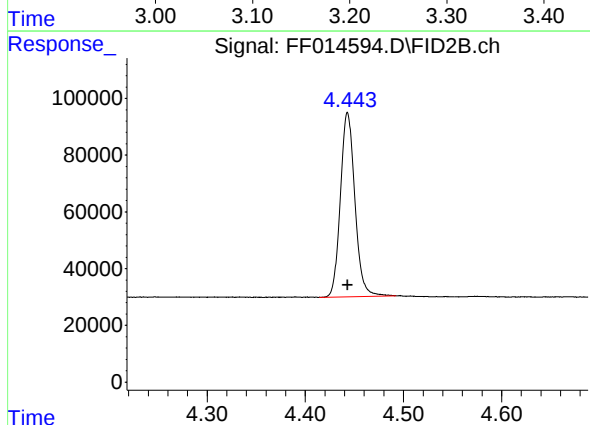
#1 n-Nonane (C9)

R.T.: 3.196 min
Delta R.T.: 0.000 min
Response: 666809
Conc: 5.38 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5

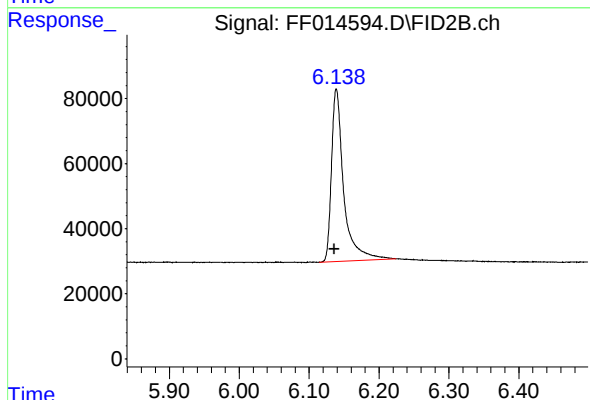
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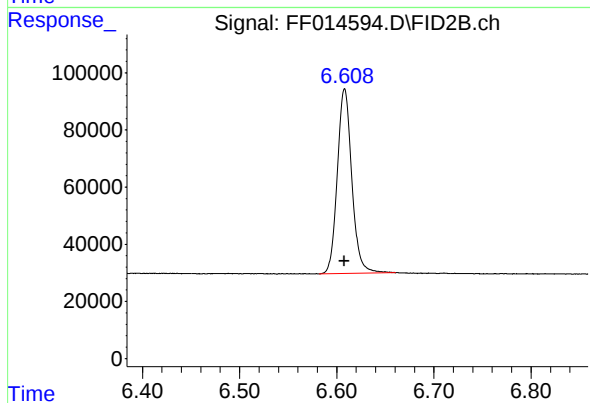
#2 n-Decane (C10)

R.T.: 4.443 min
Delta R.T.: 0.000 min
Response: 666268
Conc: 5.29 ug/ml



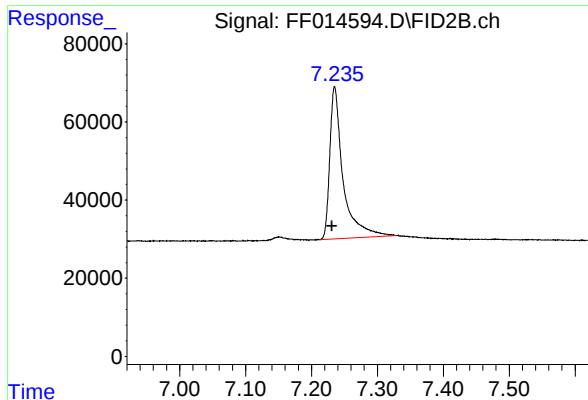
#3 A~Naphthalene (C11.7)

R.T.: 6.139 min
Delta R.T.: 0.003 min
Response: 641995
Conc: 4.83 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.608 min
Delta R.T.: 0.000 min
Response: 675524
Conc: 5.30 ug/ml



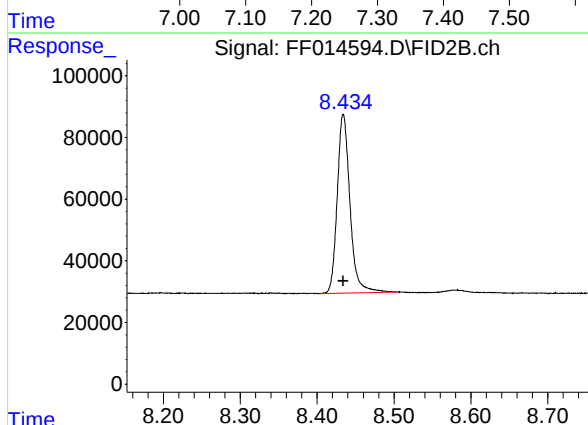
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.235 min
Delta R.T.: 0.004 min
Response: 545156
Conc: 4.35 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5

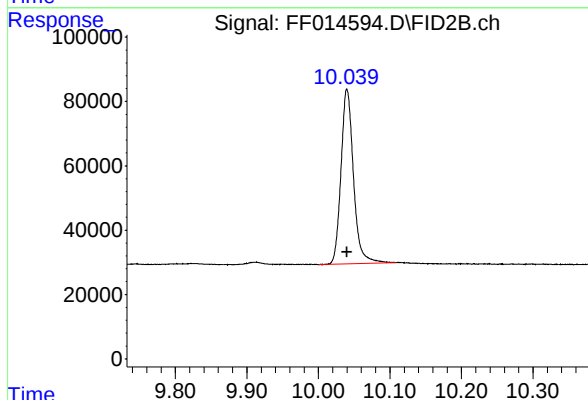
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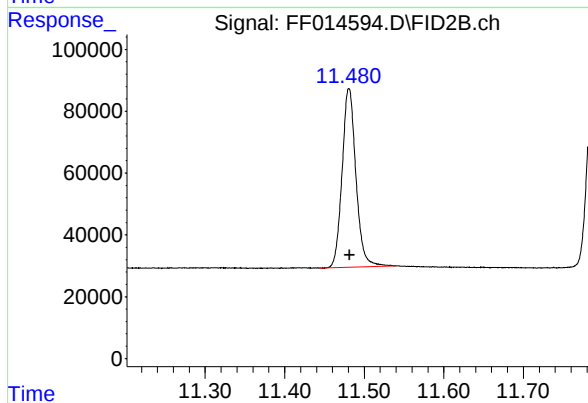
#6 n-Tetradecane (C14)

R.T.: 8.434 min
Delta R.T.: 0.000 min
Response: 667178
Conc: 5.25 ug/ml



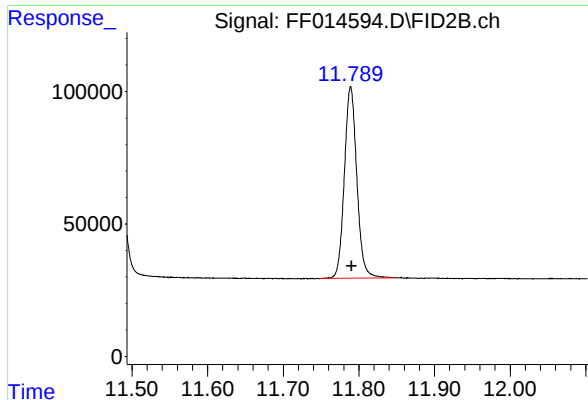
#7 n-Hexadecane (C16)

R.T.: 10.040 min
Delta R.T.: 0.000 min
Response: 658844
Conc: 5.01 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.481 min
Delta R.T.: -0.001 min
Response: 698833
Conc: 5.09 ug/ml



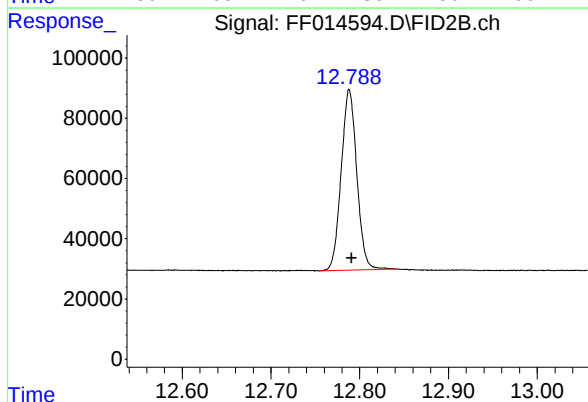
#9 ortho-Terphenyl (SURR)

R.T.: 11.789 min
Delta R.T.: -0.001 min
Response: 827299
Conc: 5.43 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5

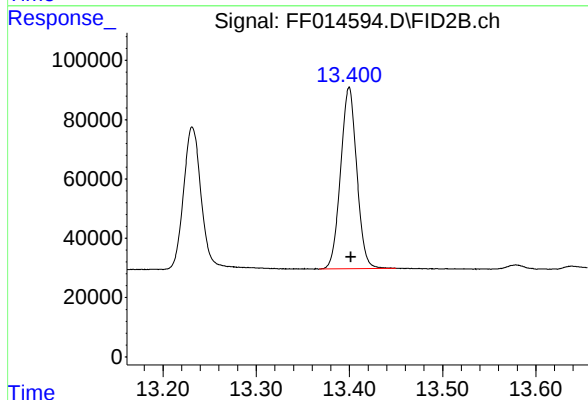
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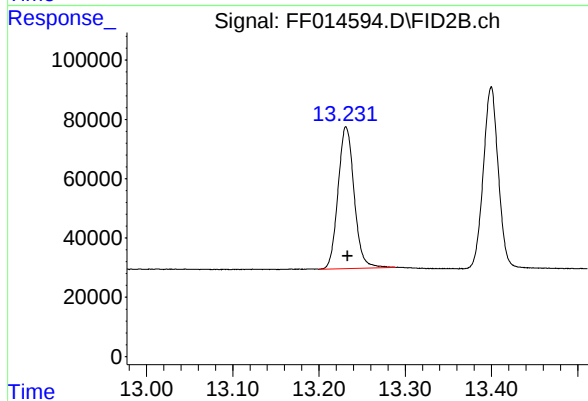
#10 n-Eicosane (C20)

R.T.: 12.788 min
Delta R.T.: -0.003 min
Response: 732515
Conc: 5.34 ug/ml



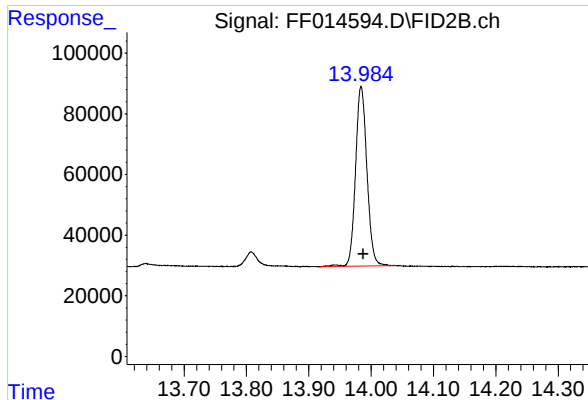
#11 n-Heneicosane (C21)

R.T.: 13.400 min
Delta R.T.: -0.002 min
Response: 737707
Conc: 5.39 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.231 min
Delta R.T.: -0.002 min
Response: 619801
Conc: 5.22 ug/ml



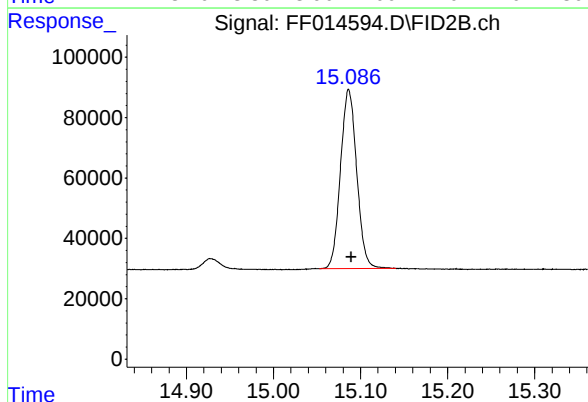
#13 n-Docosane (C22)

R.T.: 13.984 min
Delta R.T.: -0.003 min
Response: 752468
Conc: 5.45 ug/ml

Instrument :
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5 PPM ALIPHATIC HC STD5

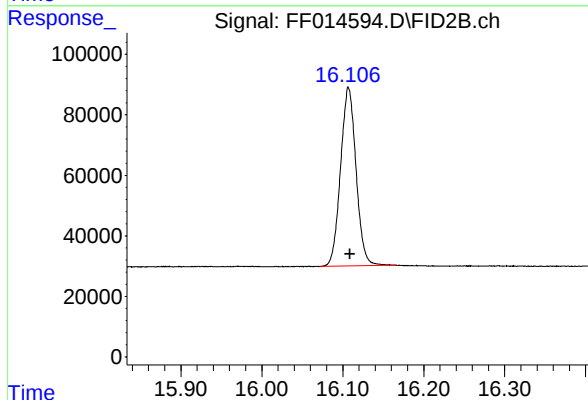
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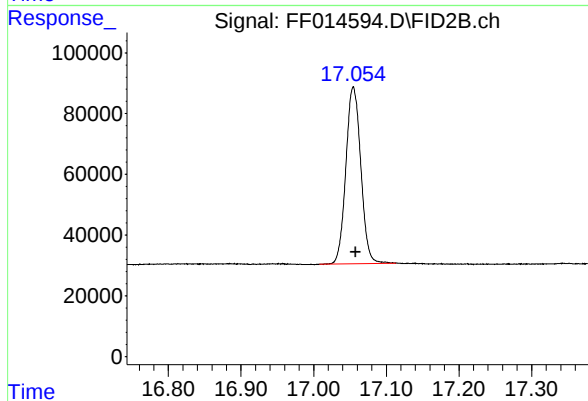
#14 n-Tetracosane (C24)

R.T.: 15.086 min
Delta R.T.: -0.003 min
Response: 768853
Conc: 5.43 ug/ml



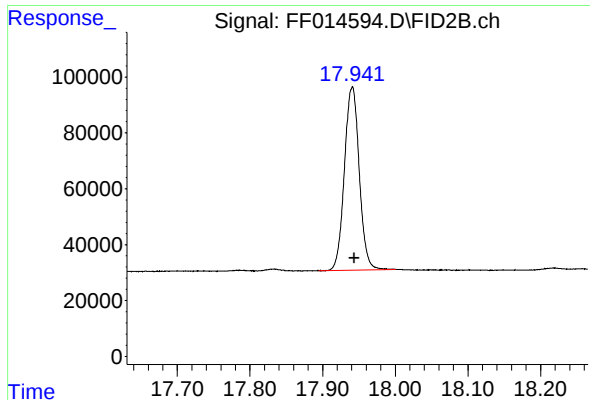
#15 n-Hexacosane (C26)

R.T.: 16.107 min
Delta R.T.: -0.002 min
Response: 786495
Conc: 5.53 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.055 min
Delta R.T.: -0.003 min
Response: 831017
Conc: 5.80 ug/ml



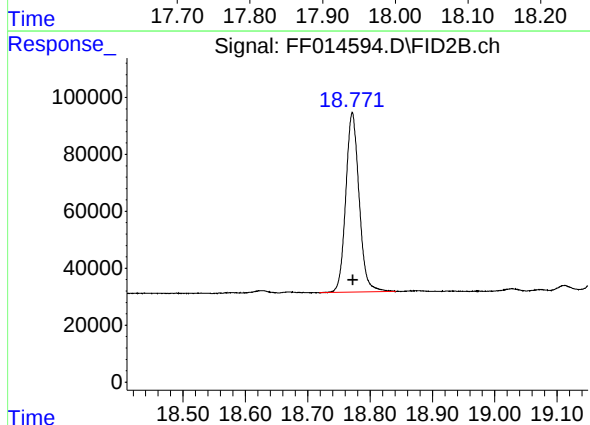
#17 n-Tricontane (C30)

R.T.: 17.941 min
Delta R.T.: -0.003 min
Response: 931292
Conc: 6.27 ug/ml

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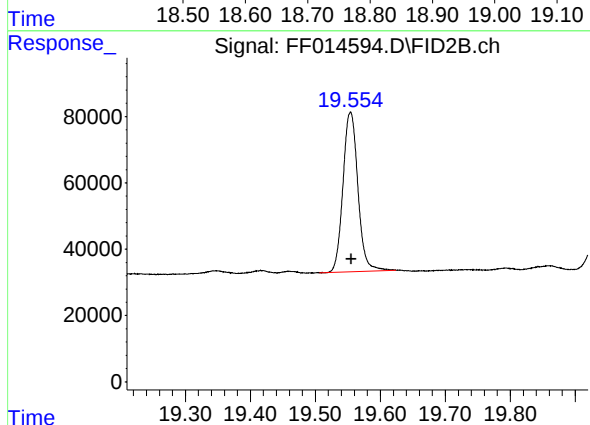
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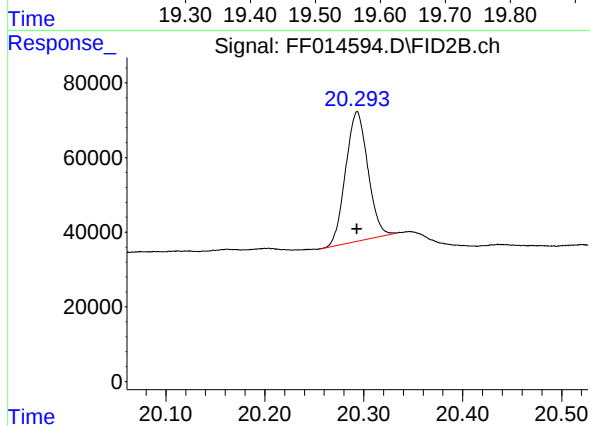
#18 n-Dotriacontane (C32)

R.T.: 18.772 min
Delta R.T.: -0.001 min
Response: 939268
Conc: 6.50 ug/ml



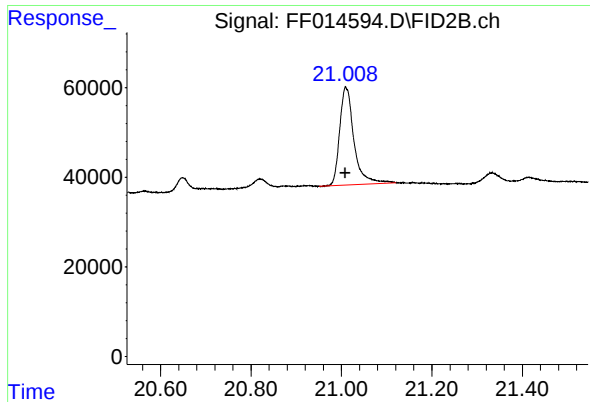
#19 n-Tetratriacontane (C34)

R.T.: 19.554 min
Delta R.T.: -0.001 min
Response: 767884
Conc: 6.26 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.293 min
Delta R.T.: 0.000 min
Response: 543929
Conc: 5.32 ug/ml m



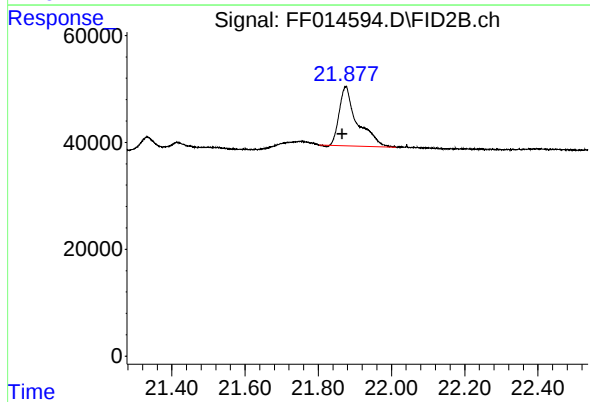
#21 n-Octatriacontane (C38)

R.T.: 21.009 min
Delta R.T.: 0.000 min
Response: 480117
Conc: 5.44 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.876 min
Delta R.T.: 0.009 min
Response: 376963
Conc: 4.77 ug/ml