

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF071423AL\
 Data File : FF013071.D
 Signal(s) : FID2B.ch
 Acq On : 14 Jul 2023 20:09
 Operator : YP\AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/17/2023
 Supervised By :Ankita Jodhani 07/17/2023

Integration File: autoint1.e
 Quant Time: Jul 15 01:51:59 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 071423.M
 Quant Title : GC Extractables
 QLast Update : Sat Jul 15 01:51:42 2023
 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)	10.860	828741	4.724 ug/ml
Spiked Amount 50.000		Recovery =	9.45%
12) S 1-chlorooctadecane (S...	12.296	627486	4.719 ug/ml
Spiked Amount 50.000		Recovery =	9.44%
Target Compounds			
1) T n-Nonane (C9)	2.738	555431	4.349 ug/ml
2) T n-Decane (C10)	3.742	540898	4.191 ug/ml
3) T A~Naphthalene (C11.7)	5.336	637551	4.515 ug/mlm
4) T n-Dodecane (C12)	5.724	626958	4.553 ug/ml
5) T A~2-methylnaphthalene...	6.418f	575948	4.478 ug/mlm
6) T n-Tetradecane (C14)	7.514	587202	4.323 ug/ml
7) T n-Hexadecane (C16)	9.110	633357	4.412 ug/ml
8) T n-Octadecane (C18)	10.542	708319	4.648 ug/ml
10) T n-Eicosane (C20)	11.846	732985	4.809 ug/ml
11) T n-Heneicosane (C21)	12.455	736746	4.852 ug/ml
13) T n-Docosane (C22)	13.042	739781	4.851 ug/ml
14) T n-Tetracosane (C24)	14.141	750643	4.876 ug/ml
15) T n-Hexacosane (C26)	15.158	750042	4.927 ug/ml
16) T n-Octacosane (C28)	16.104	761761	5.076 ug/ml
17) T n-Tricontane (C30)	16.988	839427	5.438 ug/ml
18) T n-Dotriacontane (C32)	17.819	867886	5.727 ug/ml
19) T n-Tetratriacontane (C34)	18.602	754736	5.422 ug/ml
20) T n-Hexatriacontane (C36)	19.343	734808	5.580 ug/ml
21) T n-Octatriacontane (C38)	20.070	581209	4.892 ug/ml
22) T n-Tetracontane (C40)	20.962	500516	4.643 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Acq On : 14 Jul 2023 20:09
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 65 Sample Multiplier: 1

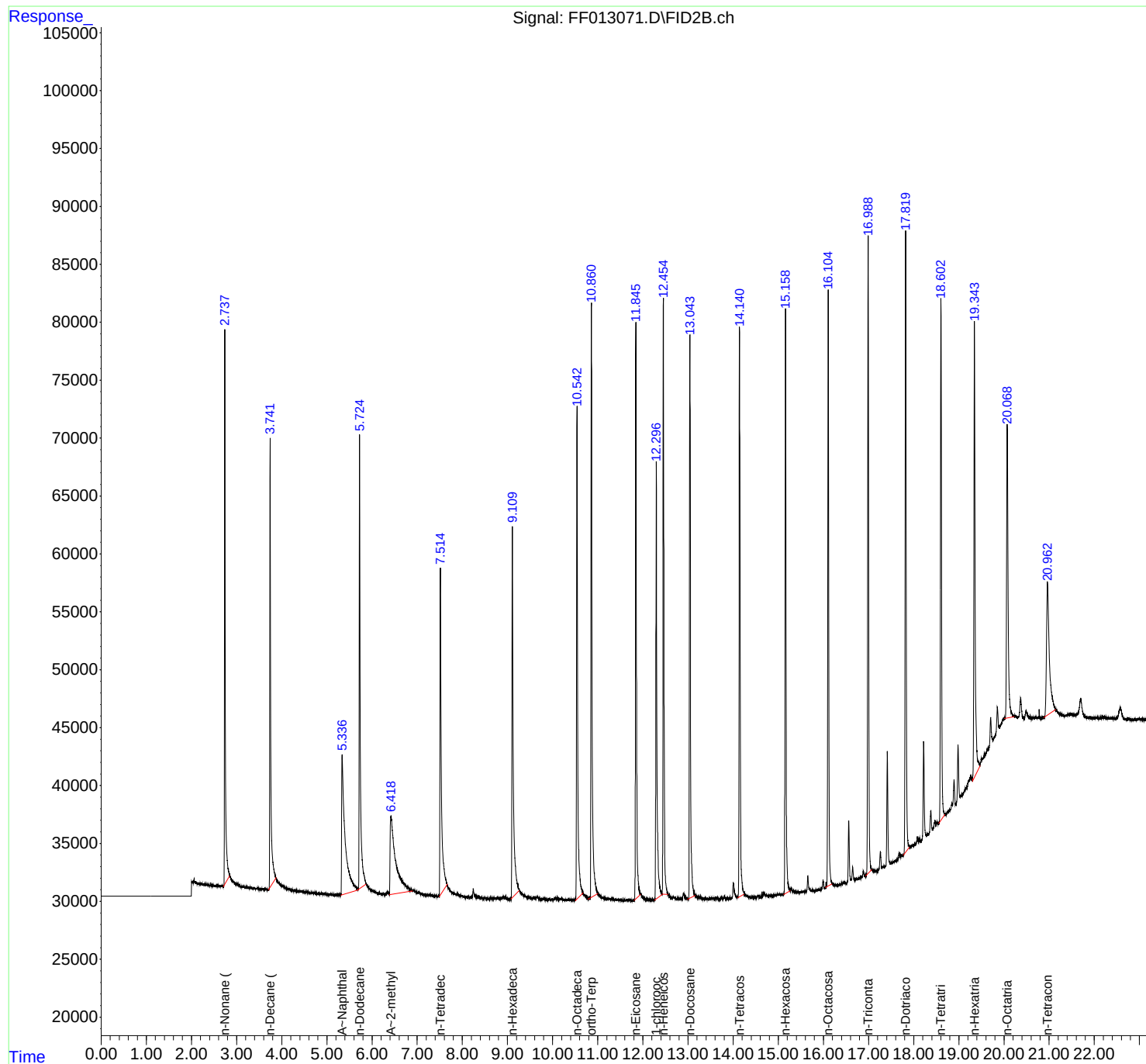
Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5

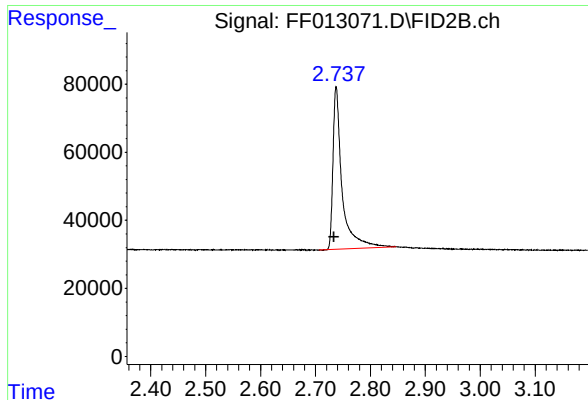
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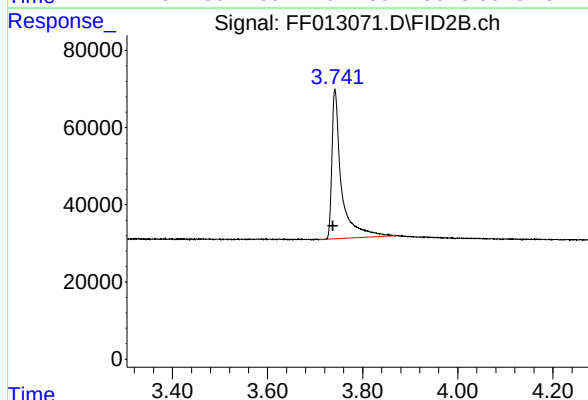
#1 n-Nonane (C9)

R.T.: 2.738 min
Delta R.T.: 0.004 min
Response: 555431
Conc: 4.35 ug/ml

Instrument : FID_F
ClientSampleId : 5 PPM ALIPHATIC HC STD5

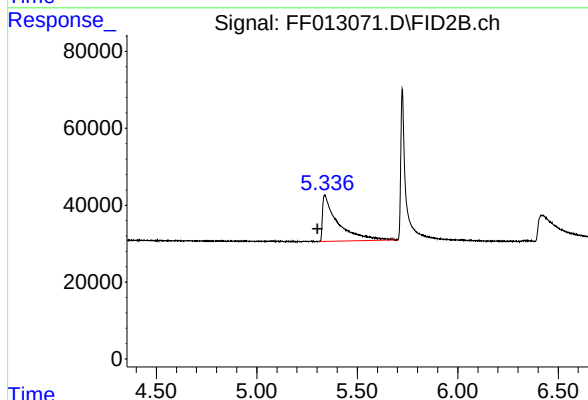
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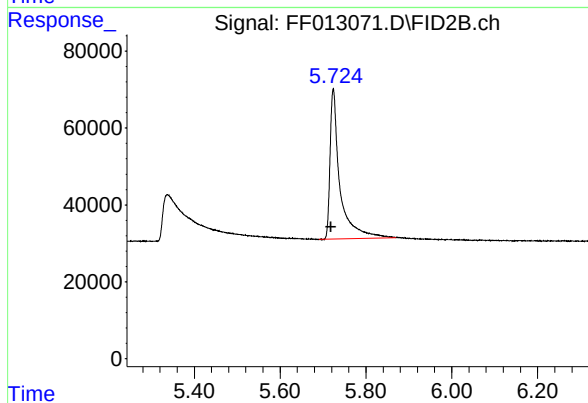
#2 n-Decane (C10)

R.T.: 3.742 min
Delta R.T.: 0.005 min
Response: 540898
Conc: 4.19 ug/ml



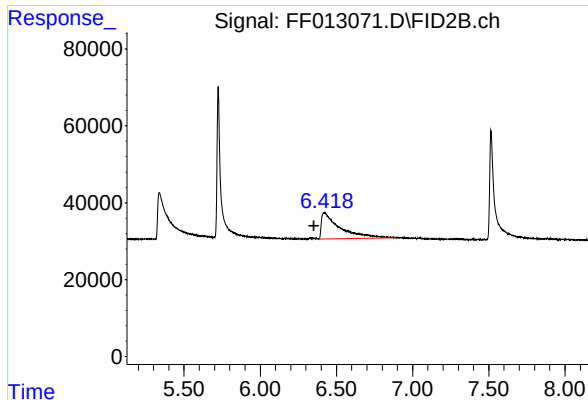
#3 A~Naphthalene (C11.7)

R.T.: 5.336 min
Delta R.T.: 0.034 min
Response: 637551
Conc: 4.52 ug/ml m



#4 n-Dodecane (C12)

R.T.: 5.724 min
Delta R.T.: 0.005 min
Response: 626958
Conc: 4.55 ug/ml



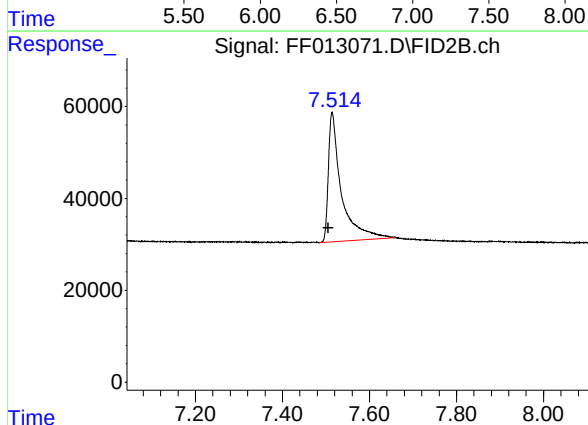
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.418 min
Delta R.T.: 0.065 min
Response: 575948
Conc: 4.48 ug/ml

Instrument : FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5

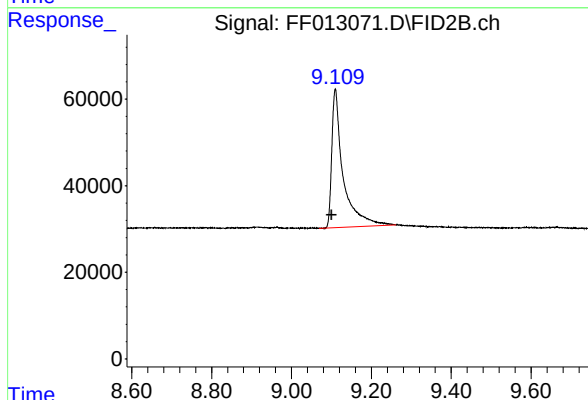
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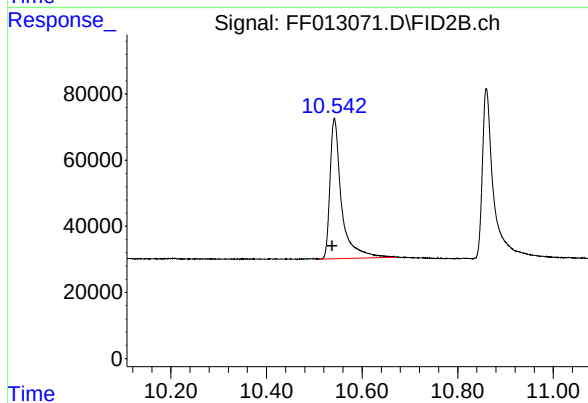
#6 n-Tetradecane (C14)

R.T.: 7.514 min
Delta R.T.: 0.009 min
Response: 587202
Conc: 4.32 ug/ml



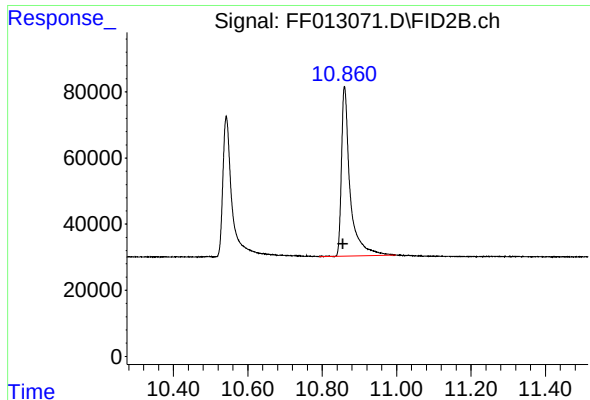
#7 n-Hexadecane (C16)

R.T.: 9.110 min
Delta R.T.: 0.009 min
Response: 633357
Conc: 4.41 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.542 min
Delta R.T.: 0.005 min
Response: 708319
Conc: 4.65 ug/ml



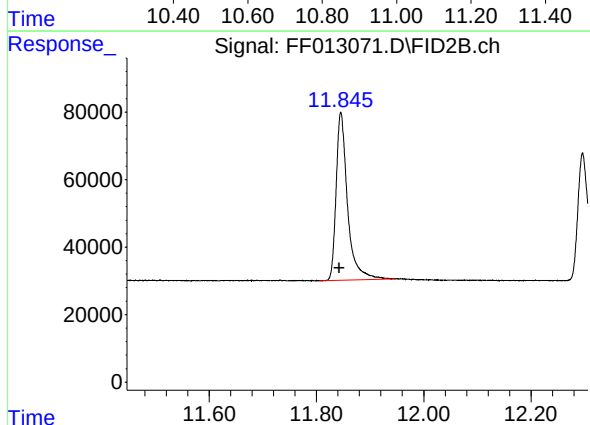
#9 ortho-Terphenyl (SURR)

R.T.: 10.860 min
Delta R.T.: 0.004 min
Response: 828741
Conc: 4.72 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5

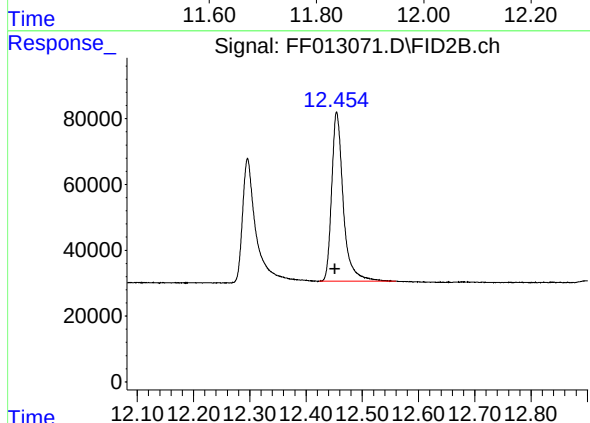
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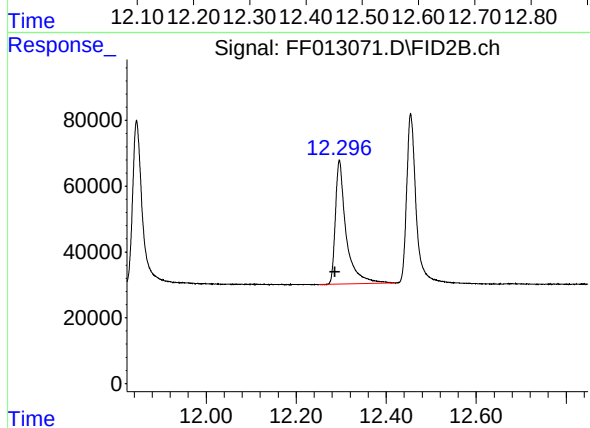
#10 n-Eicosane (C20)

R.T.: 11.846 min
Delta R.T.: 0.003 min
Response: 732985
Conc: 4.81 ug/ml



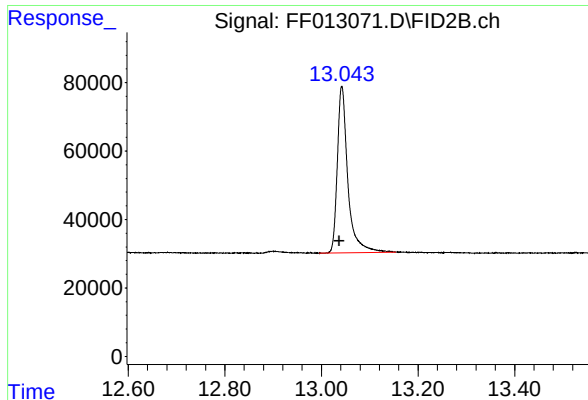
#11 n-Heneicosane (C21)

R.T.: 12.455 min
Delta R.T.: 0.003 min
Response: 736746
Conc: 4.85 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.296 min
Delta R.T.: 0.009 min
Response: 627486
Conc: 4.72 ug/ml



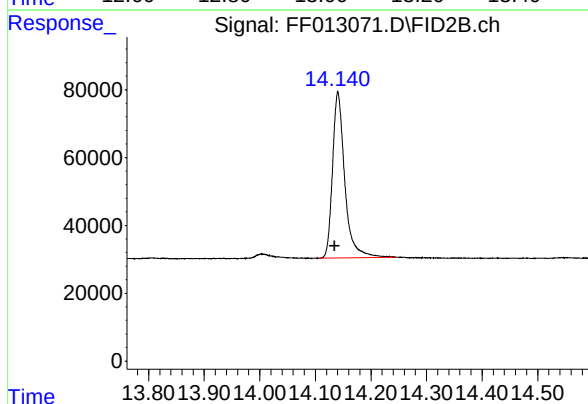
#13 n-Docosane (C22)

R.T.: 13.042 min
Delta R.T.: 0.006 min
Response: 739781
Conc: 4.85 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5

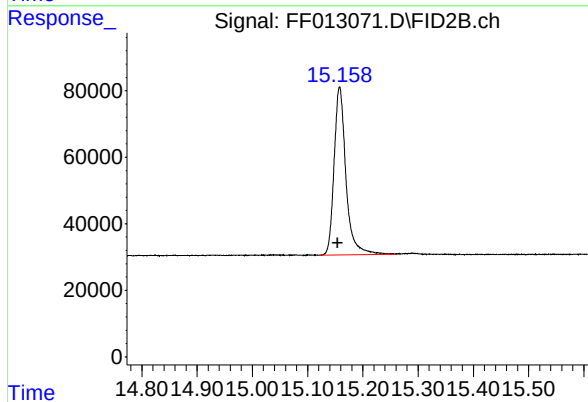
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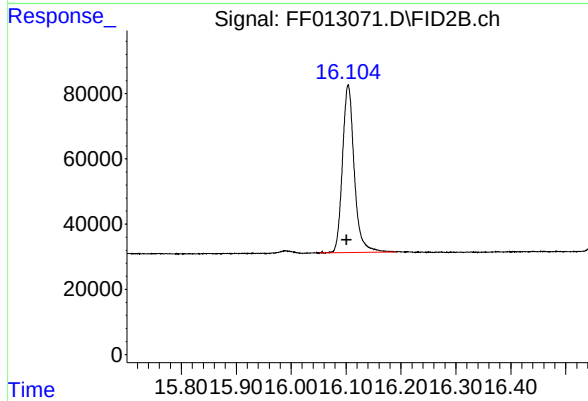
#14 n-Tetracosane (C24)

R.T.: 14.141 min
Delta R.T.: 0.006 min
Response: 750643
Conc: 4.88 ug/ml



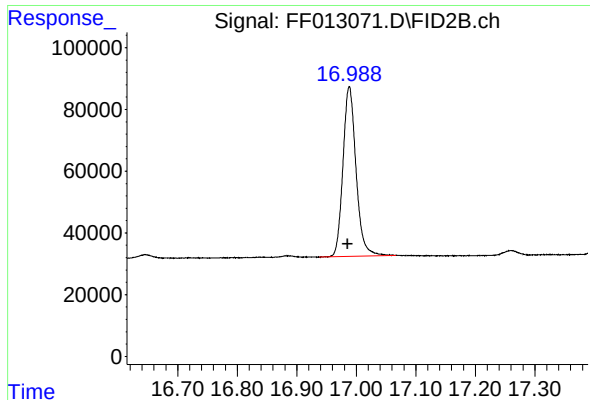
#15 n-Hexacosane (C26)

R.T.: 15.158 min
Delta R.T.: 0.004 min
Response: 750042
Conc: 4.93 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.104 min
Delta R.T.: 0.003 min
Response: 761761
Conc: 5.08 ug/ml



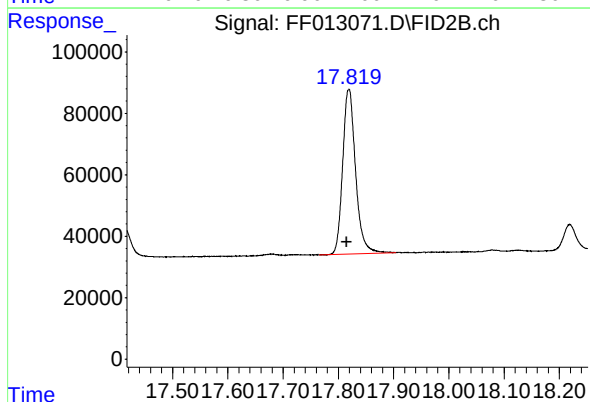
#17 n-Tricontane (C30)

R.T.: 16.988 min
Delta R.T.: 0.003 min
Response: 839427
Conc: 5.44 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5

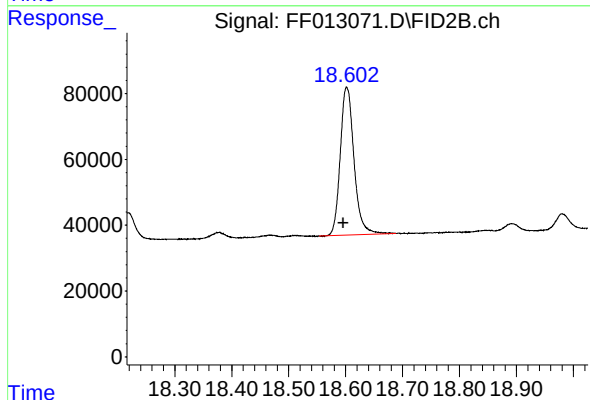
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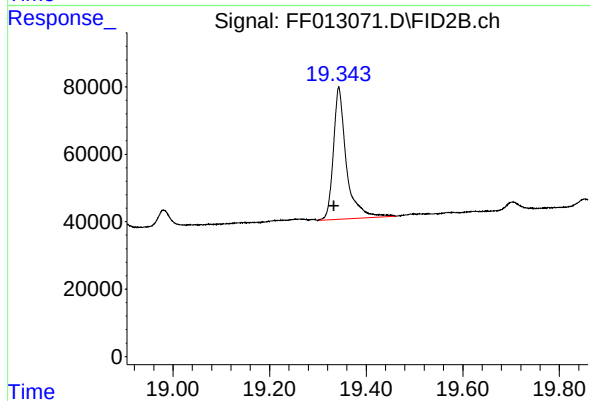
#18 n-Dotriacontane (C32)

R.T.: 17.819 min
Delta R.T.: 0.004 min
Response: 867886
Conc: 5.73 ug/ml



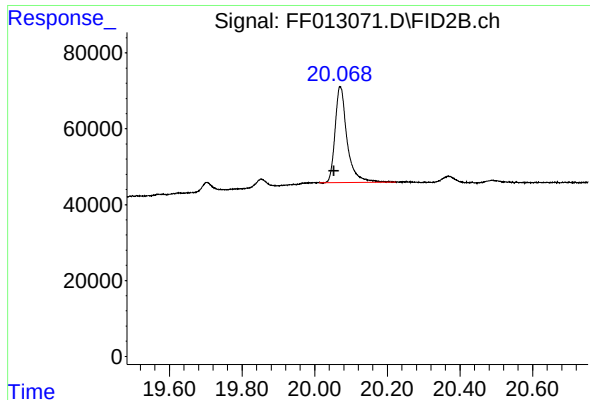
#19 n-Tetatriacontane (C34)

R.T.: 18.602 min
Delta R.T.: 0.006 min
Response: 754736
Conc: 5.42 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.343 min
Delta R.T.: 0.010 min
Response: 734808
Conc: 5.58 ug/ml



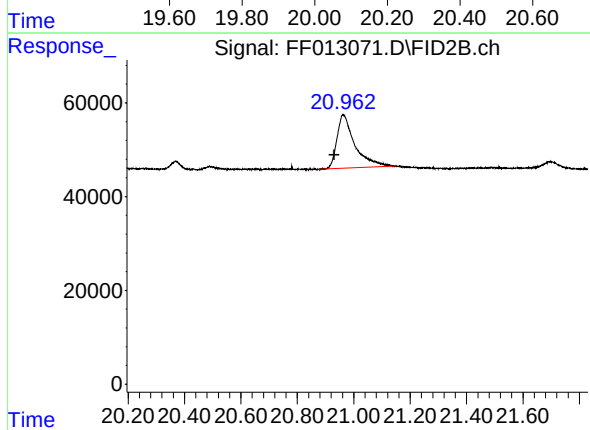
#21 n-Octatriacontane (C38)

R.T.: 20.070 min
Delta R.T.: 0.017 min
Response: 581209
Conc: 4.89 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.962 min
Delta R.T.: 0.030 min
Response: 500516
Conc: 4.64 ug/ml