

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD072023AL\
 Data File : FD046146.D
 Signal(s) : FID2B.ch
 Acq On : 20 Jul 2023 13:55
 Operator : YP/AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/21/2023
 Supervised By :Ankita Jodhani 07/21/2023

Integration File: autoint1.e
 Quant Time: Jul 20 14:30:00 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 072023.M
 Quant Title : GC Extractables
 QLast Update : Thu Jul 20 13:25:53 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)	11.396	914242	5.174 ug/ml
Spiked Amount 50.000		Recovery =	10.35%
12) S 1-chlorooctadecane (S...	12.832	607711	4.976 ug/ml
Spiked Amount 50.000		Recovery =	9.95%
Target Compounds			
1) T n-Nonane (C9)	3.231	843781	5.306 ug/ml
2) T n-Decane (C10)	4.284	857927	5.300 ug/ml
3) T A~Naphthalene (C11.7)	5.845	911534	5.171 ug/ml
4) T n-Dodecane (C12)	6.285	859442	5.273 ug/ml
5) T A~2-methylnaphthalene...	6.893	863010	5.162 ug/ml
6) T n-Tetradecane (C14)	8.069	839679	5.224 ug/ml
7) T n-Hexadecane (C16)	9.660	855622	5.186 ug/ml
8) T n-Octadecane (C18)	11.092	842247	5.144 ug/ml
10) T n-Eicosane (C20)	12.393	773203	5.104 ug/ml
11) T n-Heneicosane (C21)	13.000	750981	5.136 ug/ml
13) T n-Docosane (C22)	13.583	720907	5.086 ug/ml
14) T n-Tetracosane (C24)	14.678	744881	5.395 ug/mlm
15) T n-Hexacosane (C26)	15.690	676500	5.259 ug/ml
16) T n-Octacosane (C28)	16.633	637616	5.182 ug/ml
17) T n-Tricontane (C30)	17.512	656554	5.236 ug/ml
18) T n-Dotriacontane (C32)	18.339	650516	5.268 ug/ml
19) T n-Tetratriacontane (C34)	19.116	707406	5.457 ug/ml
20) T n-Hexatriacontane (C36)	19.849	592417	5.133 ug/ml
21) T n-Octatriacontane (C38)	20.549	596007	5.335 ug/ml
22) T n-Tetracontane (C40)	21.368	579922	5.429 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

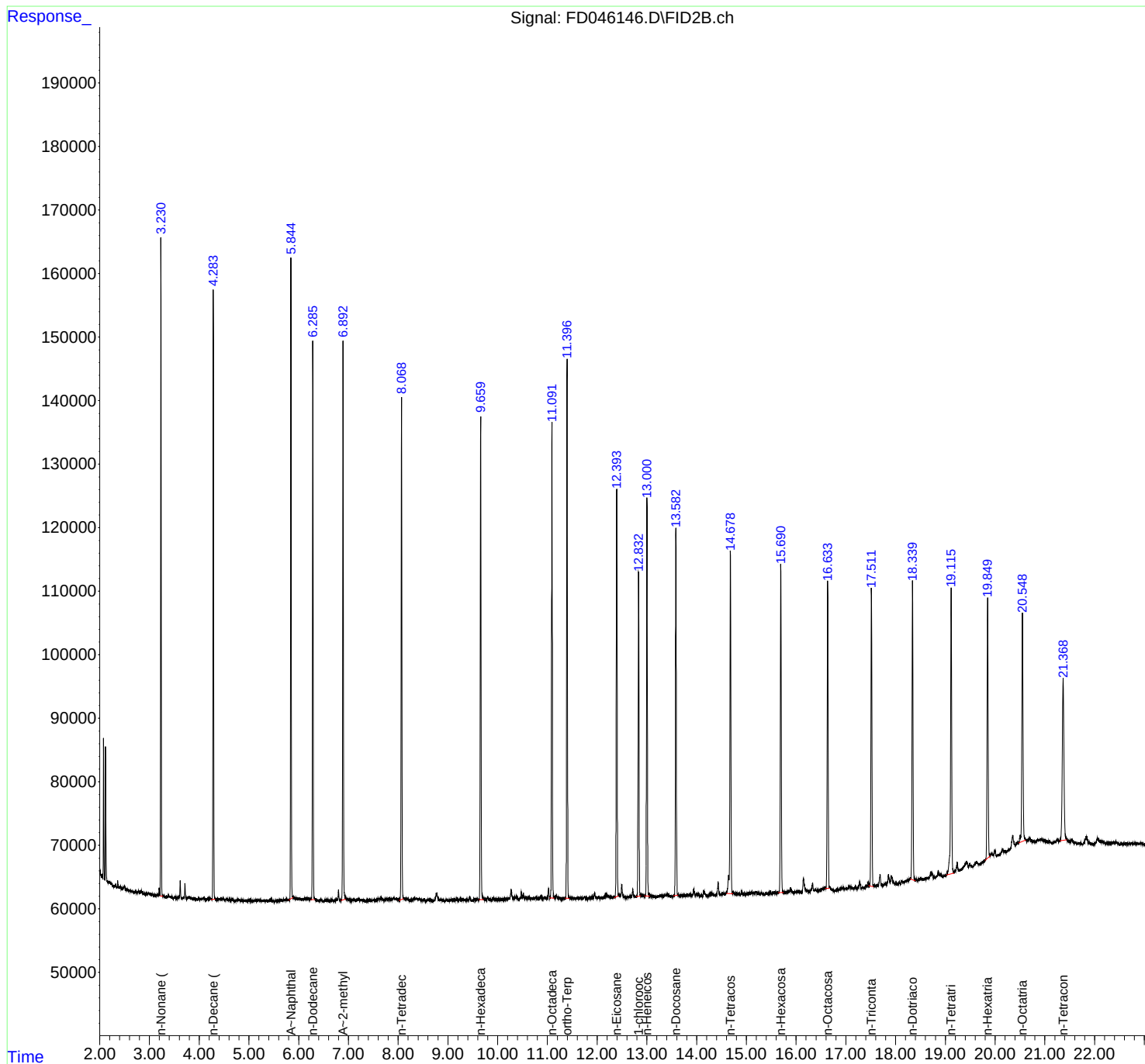
Instrument :
FID_D
ClientSampleId :
5 PPM ALIPHATIC HC STD5

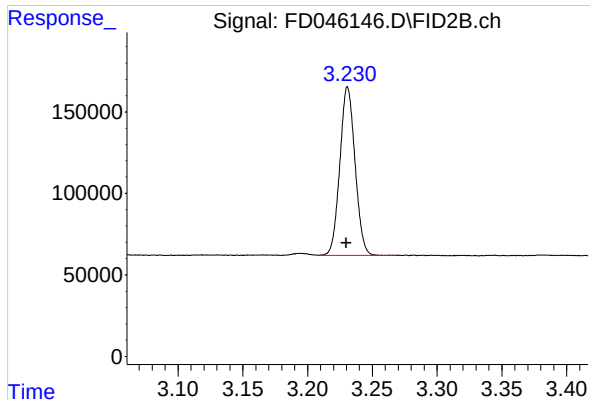
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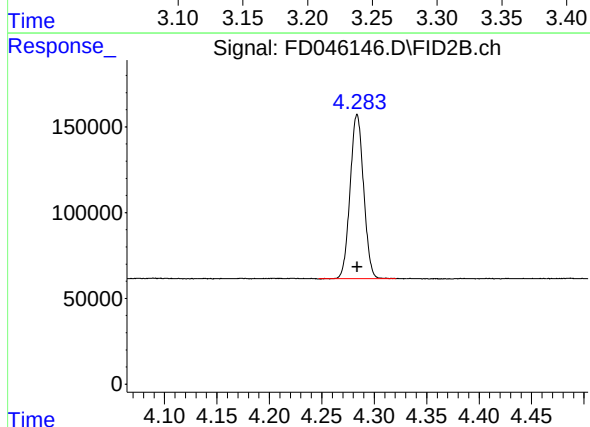
#1 n-Nonane (C9)

R.T.: 3.231 min
Delta R.T.: 0.000 min
Response: 843781
Conc: 5.31 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM ALIPHATIC HC STD5

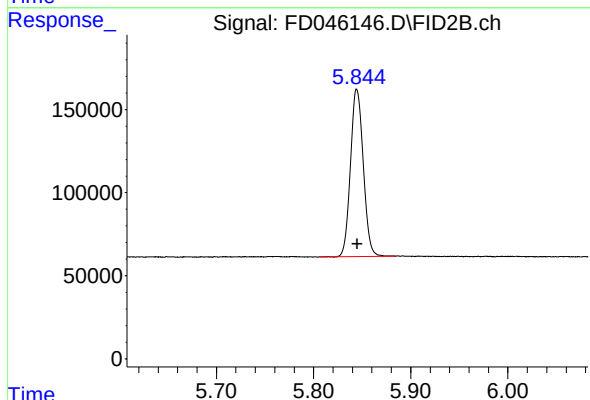
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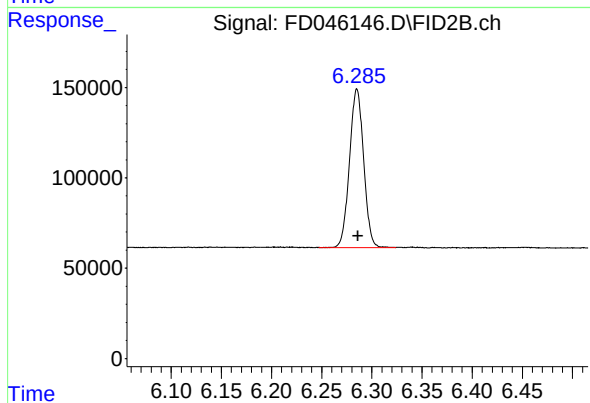
#2 n-Decane (C10)

R.T.: 4.284 min
Delta R.T.: 0.000 min
Response: 857927
Conc: 5.30 ug/ml



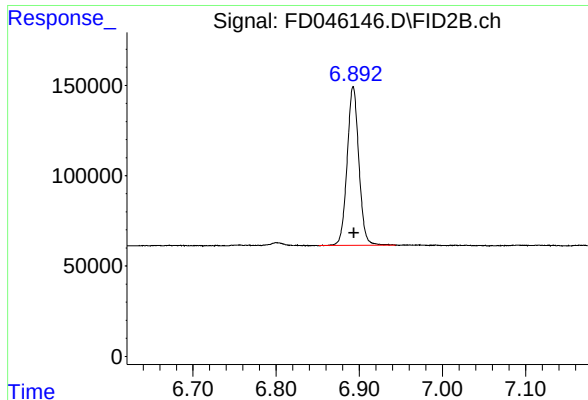
#3 A~Naphthalene (C11.7)

R.T.: 5.845 min
Delta R.T.: 0.000 min
Response: 911534
Conc: 5.17 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.285 min
Delta R.T.: -0.001 min
Response: 859442
Conc: 5.27 ug/ml



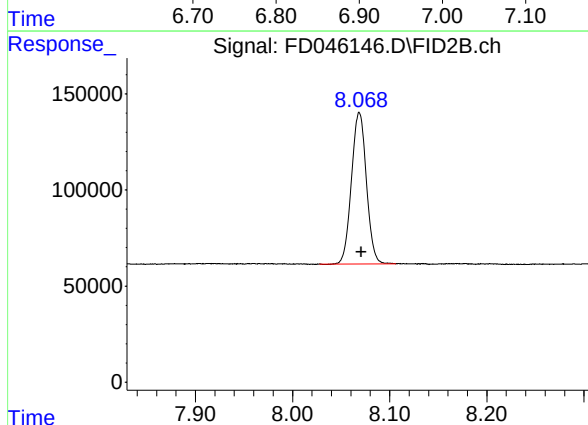
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.893 min
Delta R.T.: 0.000 min
Response: 863010
Conc: 5.16 ug/ml

Instrument :
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5 PPM ALIPHATIC HC STD5

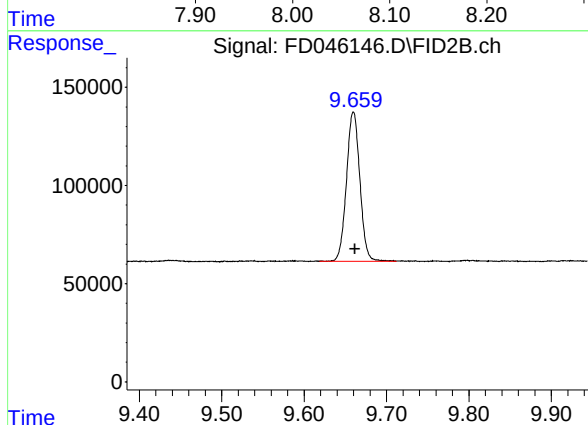
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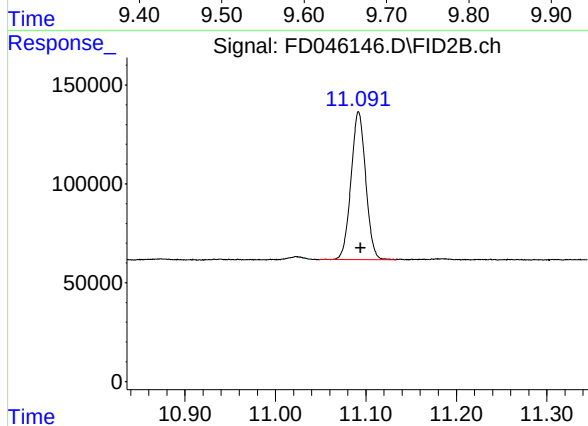
#6 n-Tetradecane (C14)

R.T.: 8.069 min
Delta R.T.: -0.002 min
Response: 839679
Conc: 5.22 ug/ml



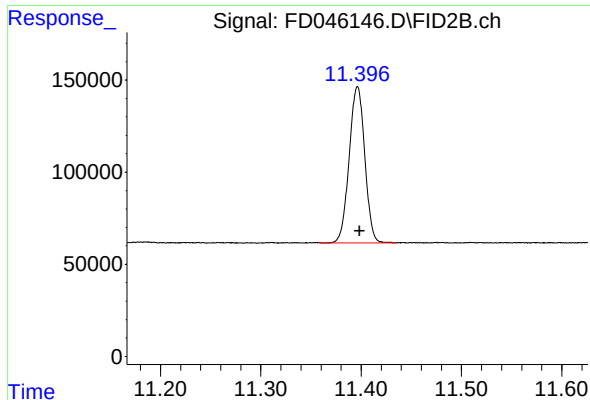
#7 n-Hexadecane (C16)

R.T.: 9.660 min
Delta R.T.: -0.002 min
Response: 855622
Conc: 5.19 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.092 min
Delta R.T.: -0.002 min
Response: 842247
Conc: 5.14 ug/ml



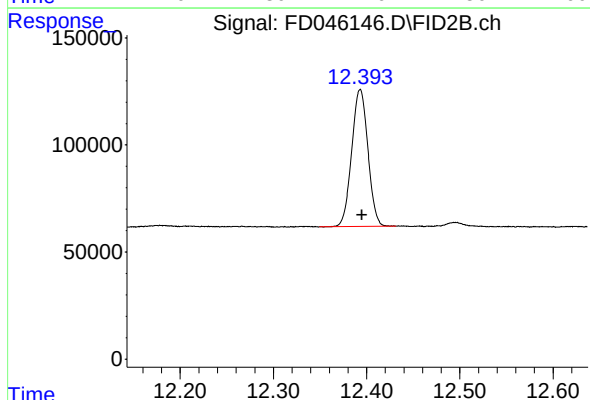
#9 ortho-Terphenyl (SURR)

R.T.: 11.396 min
Delta R.T.: -0.002 min
Response: 914242
Conc: 5.17 ug/ml

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ClientSampleId :
5 PPM ALIPHATIC HC STD5

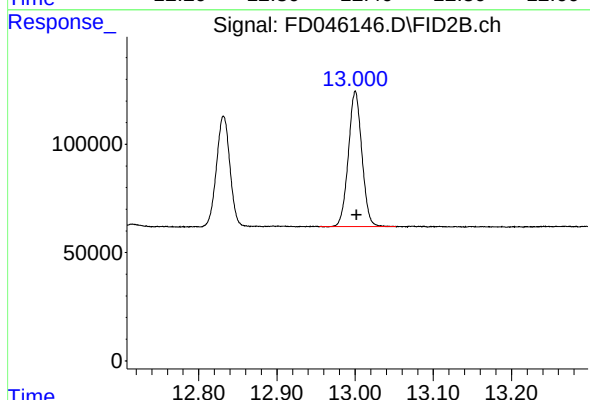
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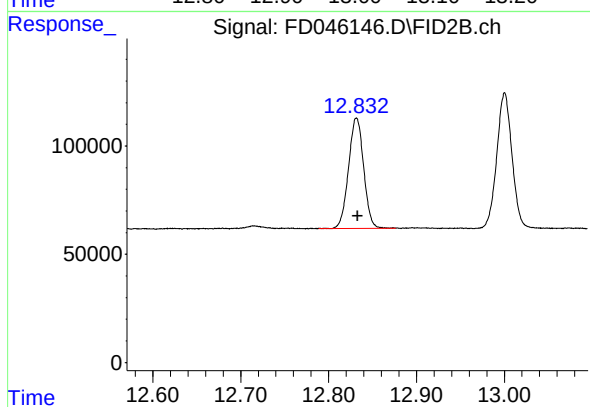
#10 n-Eicosane (C20)

R.T.: 12.393 min
Delta R.T.: -0.002 min
Response: 773203
Conc: 5.10 ug/ml



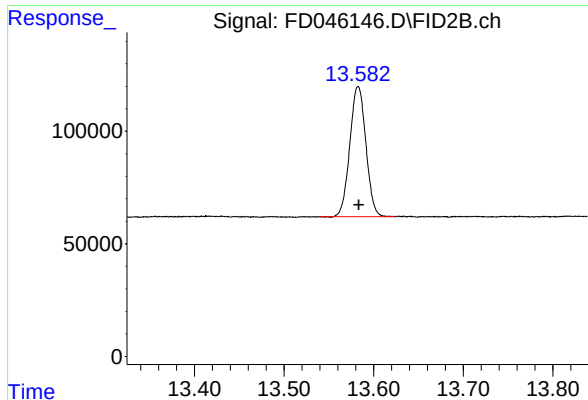
#11 n-Heneicosane (C21)

R.T.: 13.000 min
Delta R.T.: -0.002 min
Response: 750981
Conc: 5.14 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.832 min
Delta R.T.: -0.001 min
Response: 607711
Conc: 4.98 ug/ml



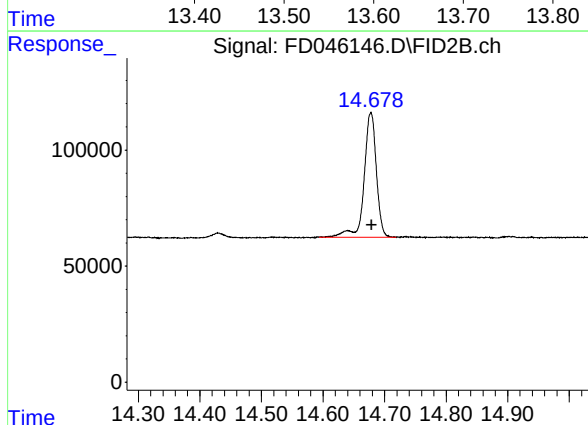
#13 n-Docosane (C22)

R.T.: 13.583 min
Delta R.T.: -0.001 min
Response: 720907
Conc: 5.09 ug/ml

Instrument :
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5 PPM ALIPHATIC HC STD5

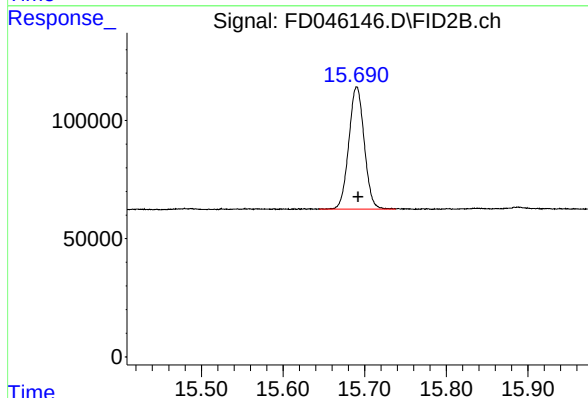
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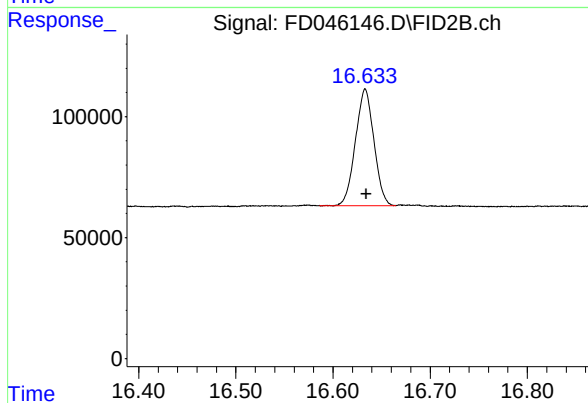
#14 n-Tetracosane (C24)

R.T.: 14.678 min
Delta R.T.: -0.001 min
Response: 744881
Conc: 5.39 ug/ml m



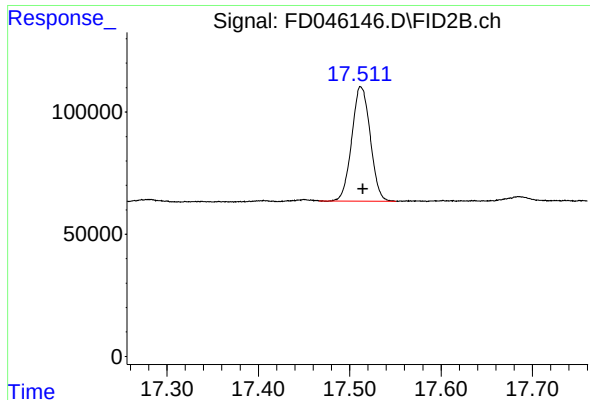
#15 n-Hexacosane (C26)

R.T.: 15.690 min
Delta R.T.: -0.002 min
Response: 676500
Conc: 5.26 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.633 min
Delta R.T.: -0.001 min
Response: 637616
Conc: 5.18 ug/ml



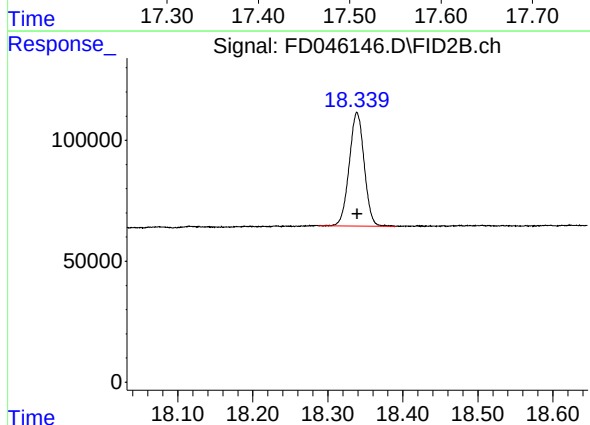
#17 n-Tricontane (C30)

R.T.: 17.512 min
Delta R.T.: -0.002 min
Response: 656554
Conc: 5.24 ug/ml

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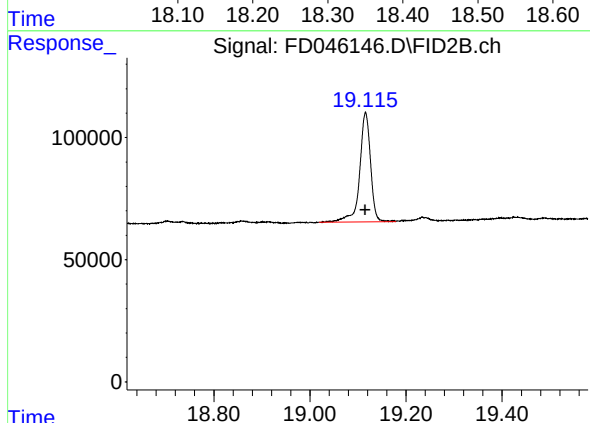
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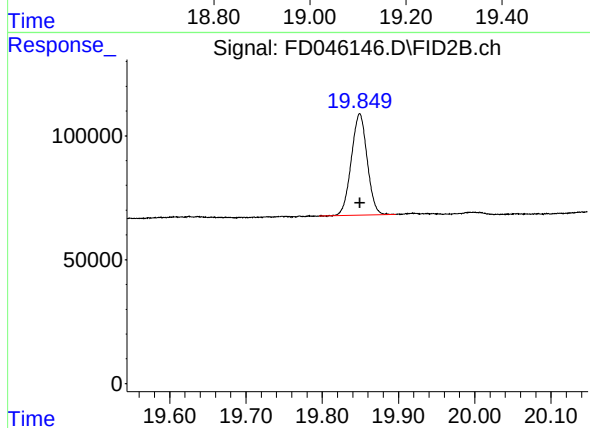
#18 n-Dotriacontane (C32)

R.T.: 18.339 min
Delta R.T.: 0.000 min
Response: 650516
Conc: 5.27 ug/ml



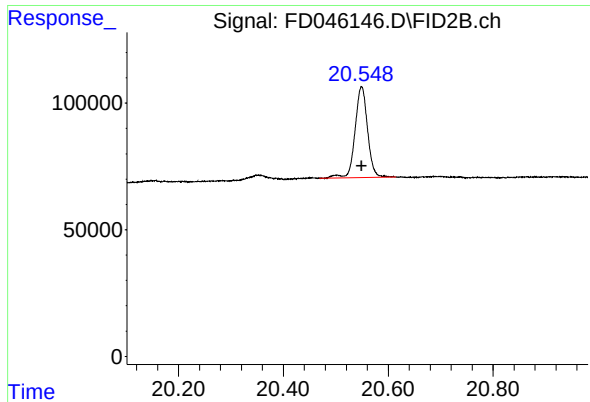
#19 n-Tetratriacontane (C34)

R.T.: 19.116 min
Delta R.T.: 0.001 min
Response: 707406
Conc: 5.46 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.849 min
Delta R.T.: 0.000 min
Response: 592417
Conc: 5.13 ug/ml



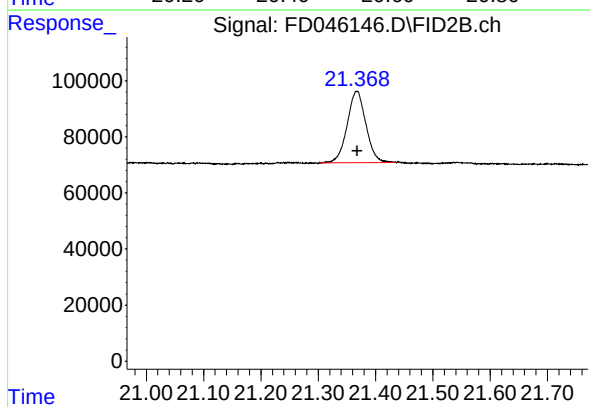
#21 n-Octatriacontane (C38)

R.T.: 20.549 min
Delta R.T.: 0.000 min
Response: 596007
Conc: 5.33 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.368 min
Delta R.T.: 0.000 min
Response: 579922
Conc: 5.43 ug/ml