

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101024AL\
 Data File : FD048448.D
 Signal(s) : FID2B.ch
 Acq On : 10 Oct 2024 14:14
 Operator : YP/AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/11/2024
 Supervised By :Ankita Jodhani 10/11/2024

Integration File: autoint1.e
 Quant Time: Oct 10 14:47:04 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 101024.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 10 14:33:01 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)	11.264	1073094	5.521 ug/ml
Spiked Amount 50.000		Recovery =	11.04%
12) S 1-chlorooctadecane (S...	12.705	803893	5.476 ug/ml
Spiked Amount 50.000		Recovery =	10.95%
Target Compounds			
1) T n-Nonane (C9)	3.128	900795	5.463 ug/ml
2) T n-Decane (C10)	4.173	943634	5.559 ug/ml
3) T A~Naphthalene (C11.7)	5.724	1001392	5.381 ug/ml
4) T n-Dodecane (C12)	6.166	941332	5.480 ug/ml
5) T A~2-methylnaphthalene...	6.774	911703	5.081 ug/ml
6) T n-Tetradecane (C14)	7.946	935909	5.463 ug/ml
7) T n-Hexadecane (C16)	9.536	968261	5.475 ug/ml
8) T n-Octadecane (C18)	10.967	977786	5.492 ug/ml
10) T n-Eicosane (C20)	12.268	945496	5.537 ug/ml
11) T n-Heneicosane (C21)	12.875	924832	5.517 ug/ml
13) T n-Docosane (C22)	13.458	930826	5.576 ug/ml
14) T n-Tetracosane (C24)	14.555	927474	5.609 ug/ml
15) T n-Hexacosane (C26)	15.569	917771	5.700 ug/ml
16) T n-Octacosane (C28)	16.514	947649	5.982 ug/ml
17) T n-Tricontane (C30)	17.396	1042332	6.427 ug/ml
18) T n-Dotriacontane (C32)	18.224	1049972	6.703 ug/ml
19) T n-Tetratriacontane (C34)	19.003	891070	6.562 ug/ml
20) T n-Hexatriacontane (C36)	19.738	698976	6.071 ug/ml
21) T n-Octatriacontane (C38)	20.435	593907	5.386 ug/mlm
22) T n-Tetracontane (C40)	21.220	470410	4.629 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 65 Sample Multiplier: 1

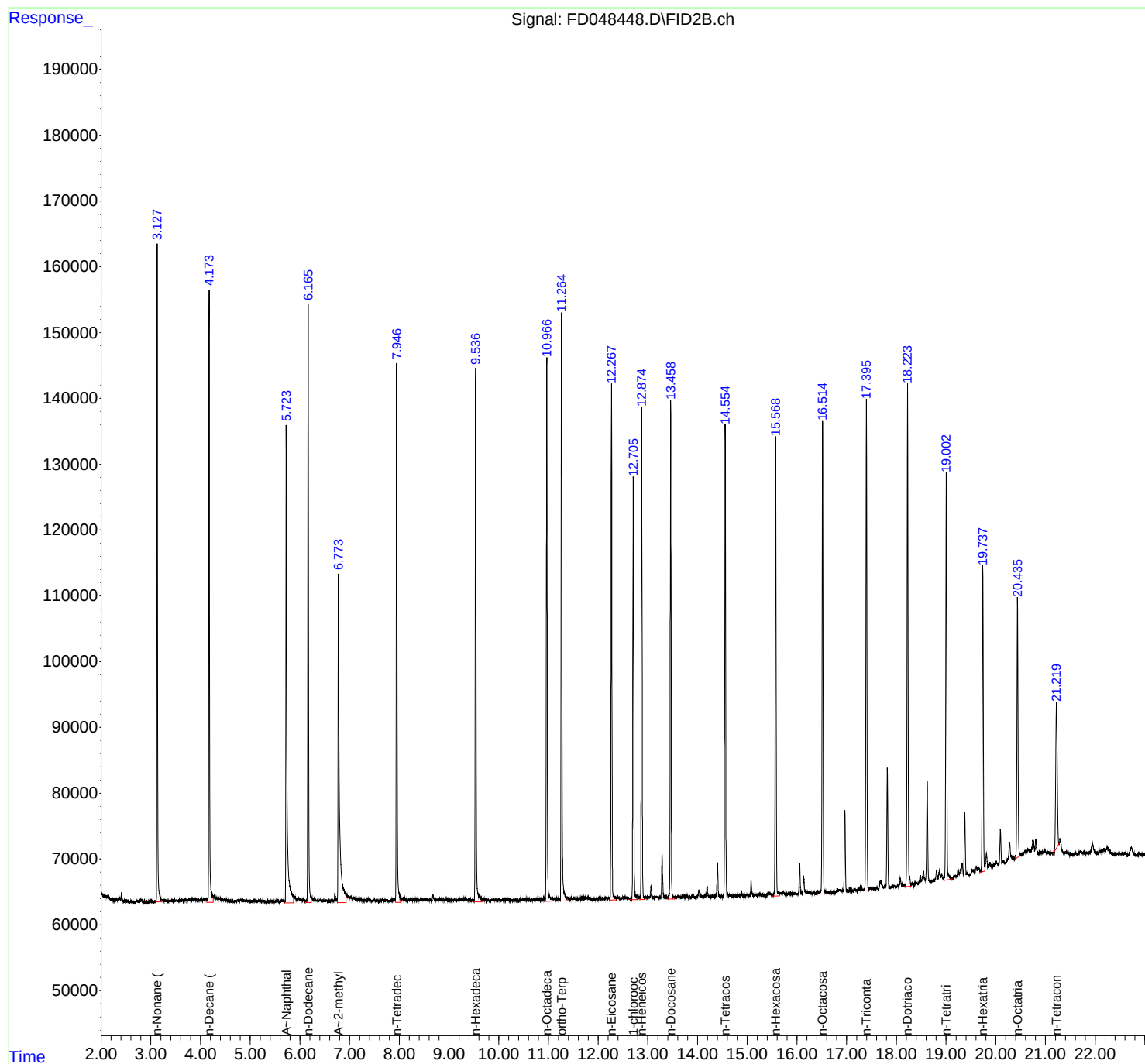
Instrument :
FID_D
ClientSampleId :
5 PPM ALIPHATIC HC STD5

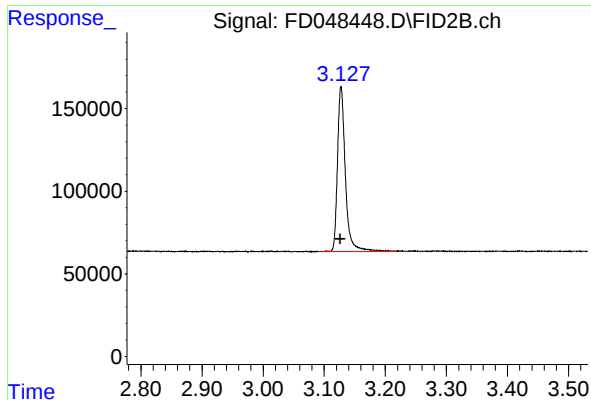
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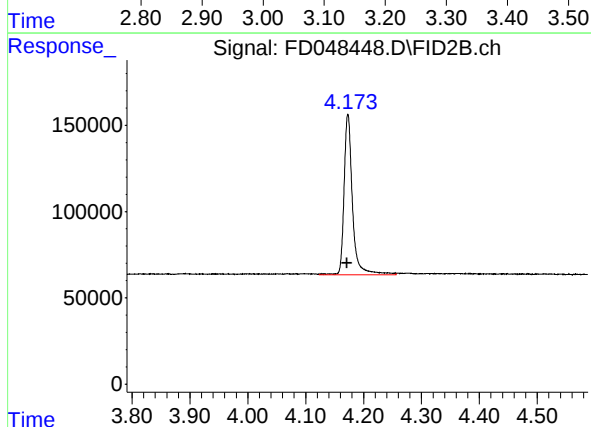
#1 n-Nonane (C9)

R.T.: 3.128 min
Delta R.T.: 0.002 min
Response: 900795
Conc: 5.46 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM ALIPHATIC HC STD5

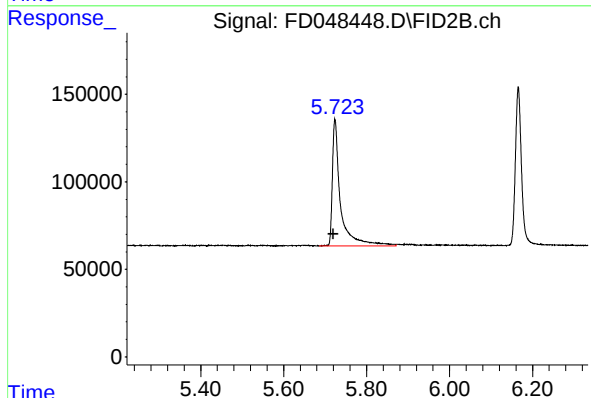
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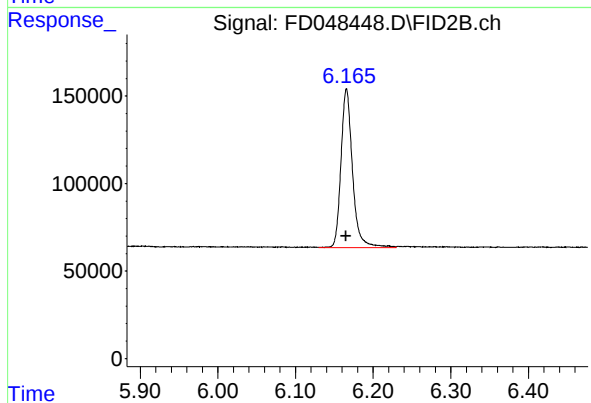
#2 n-Decane (C10)

R.T.: 4.173 min
Delta R.T.: 0.002 min
Response: 943634
Conc: 5.56 ug/ml



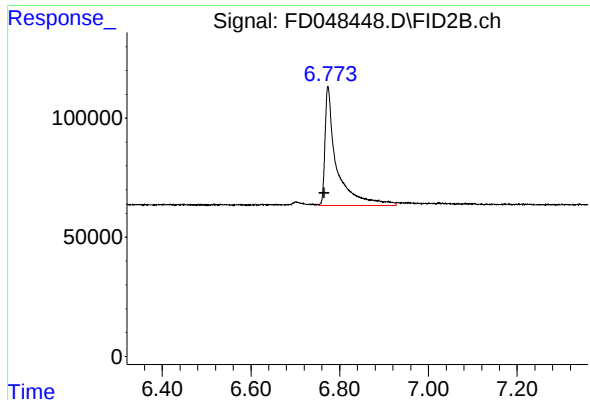
#3 A~Naphthalene (C11.7)

R.T.: 5.724 min
Delta R.T.: 0.005 min
Response: 1001392
Conc: 5.38 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.166 min
Delta R.T.: 0.000 min
Response: 941332
Conc: 5.48 ug/ml



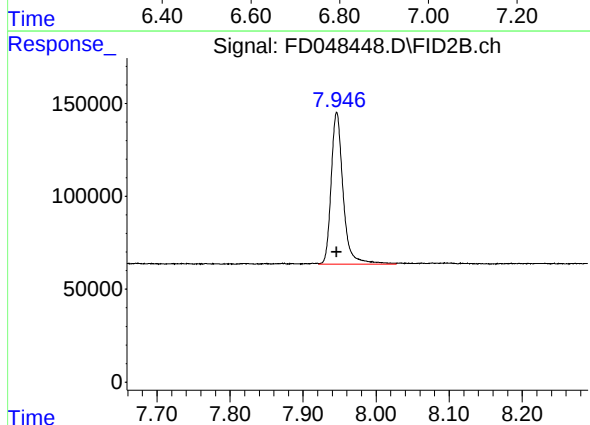
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.774 min
Delta R.T.: 0.009 min
Response: 911703
Conc: 5.08 ug/ml

Instrument :
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5 PPM ALIPHATIC HC STD5

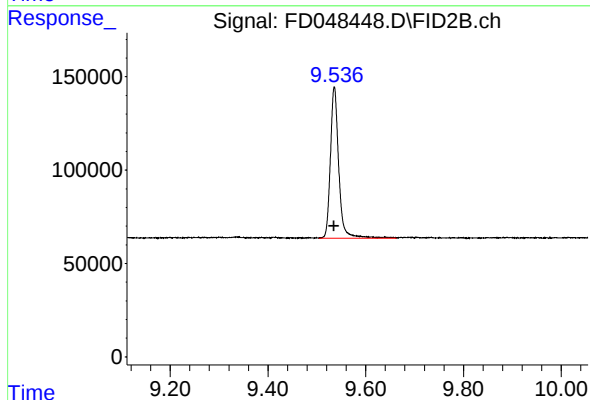
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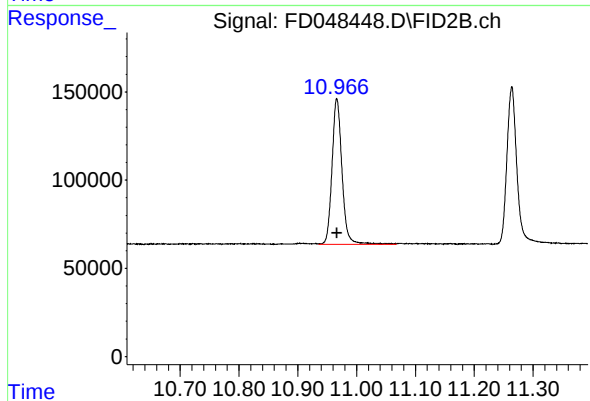
#6 n-Tetradecane (C14)

R.T.: 7.946 min
Delta R.T.: 0.000 min
Response: 935909
Conc: 5.46 ug/ml



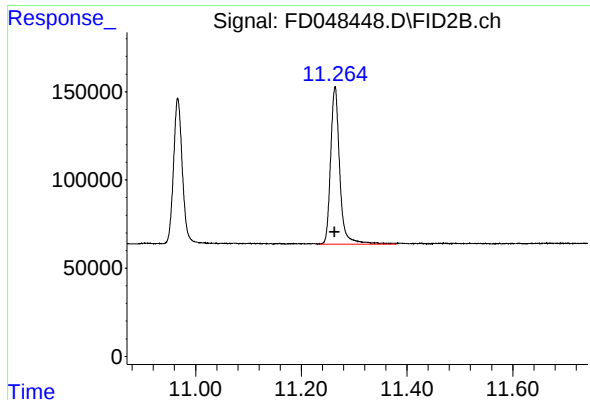
#7 n-Hexadecane (C16)

R.T.: 9.536 min
Delta R.T.: 0.000 min
Response: 968261
Conc: 5.47 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.967 min
Delta R.T.: 0.000 min
Response: 977786
Conc: 5.49 ug/ml



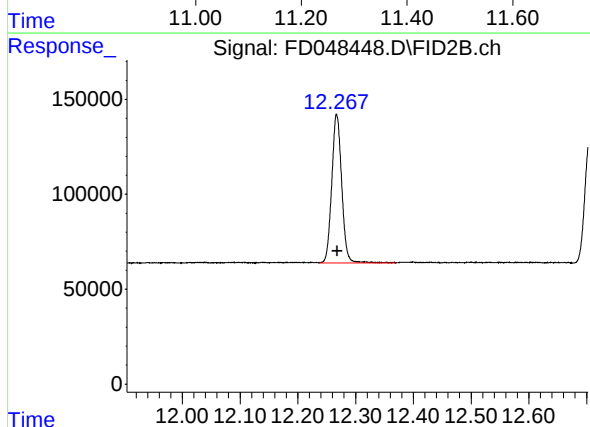
#9 ortho-Terphenyl (SURR)

R.T.: 11.264 min
Delta R.T.: 0.000 min
Response: 1073094
Conc: 5.52 ug/ml

Instrument :
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5 PPM ALIPHATIC HC STD5

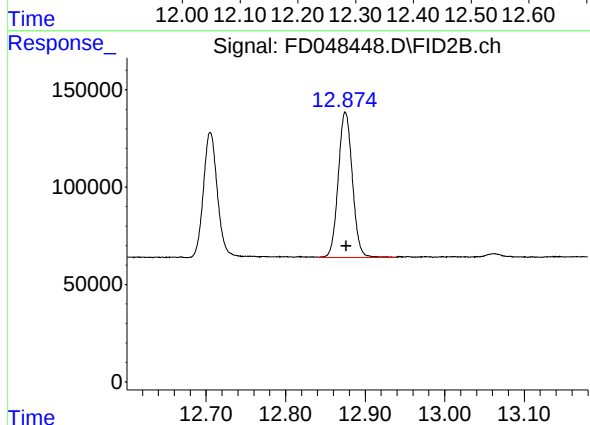
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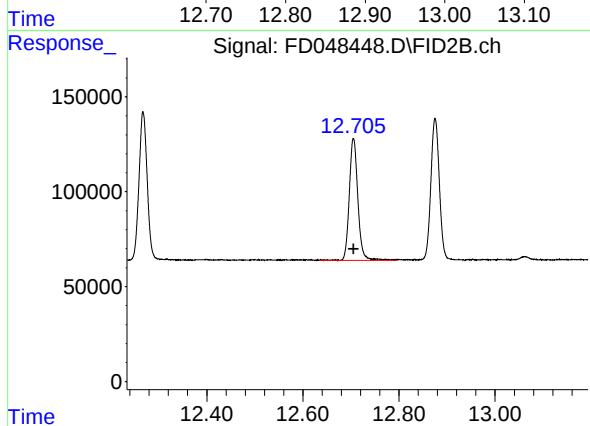
#10 n-Eicosane (C20)

R.T.: 12.268 min
Delta R.T.: 0.000 min
Response: 945496
Conc: 5.54 ug/ml



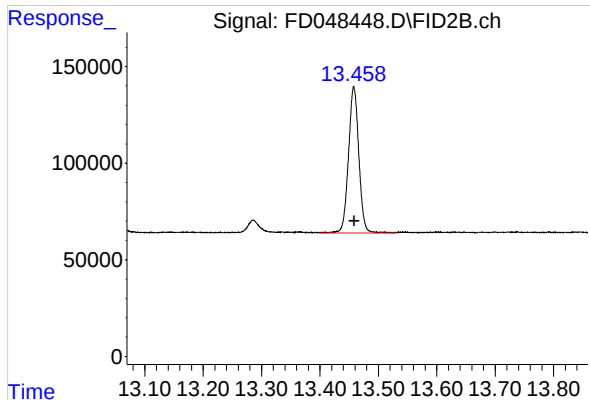
#11 n-Heneicosane (C21)

R.T.: 12.875 min
Delta R.T.: -0.001 min
Response: 924832
Conc: 5.52 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.705 min
Delta R.T.: 0.000 min
Response: 803893
Conc: 5.48 ug/ml



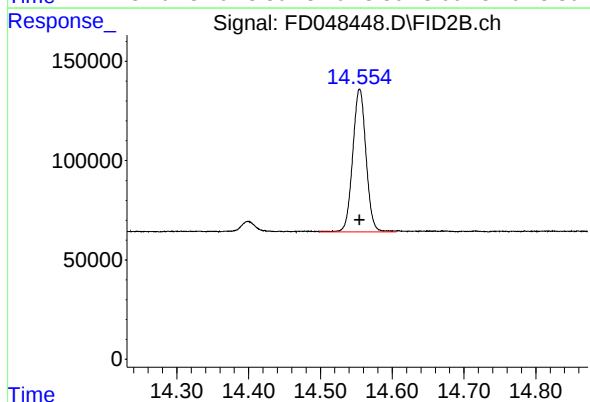
#13 n-Docosane (C22)

R.T.: 13.458 min
Delta R.T.: 0.000 min
Response: 930826
Conc: 5.58 ug/ml

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5 PPM ALIPHATIC HC STD5

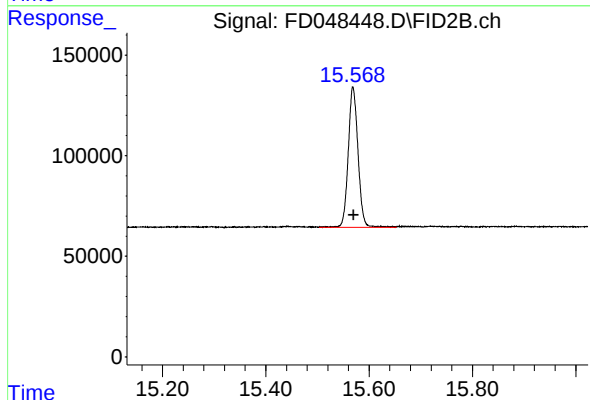
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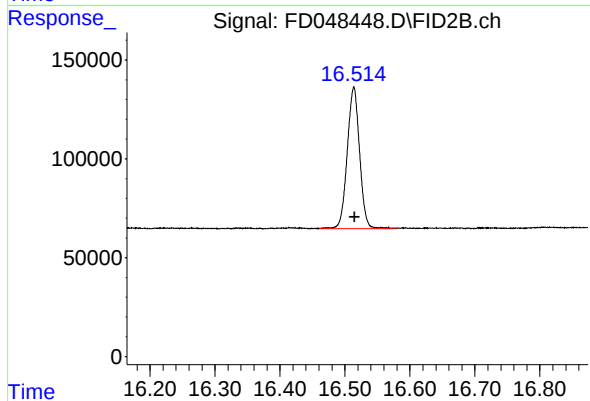
#14 n-Tetracosane (C24)

R.T.: 14.555 min
Delta R.T.: 0.000 min
Response: 927474
Conc: 5.61 ug/ml



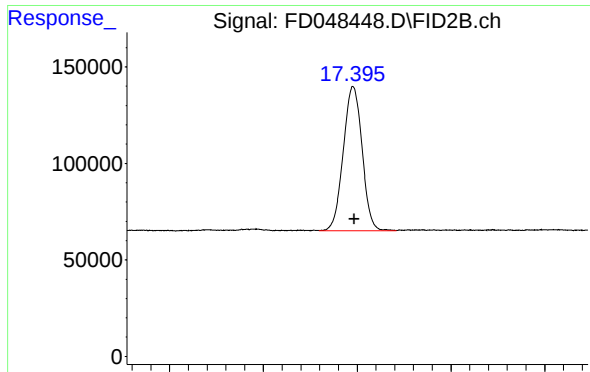
#15 n-Hexacosane (C26)

R.T.: 15.569 min
Delta R.T.: -0.001 min
Response: 917771
Conc: 5.70 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.514 min
Delta R.T.: -0.001 min
Response: 947649
Conc: 5.98 ug/ml



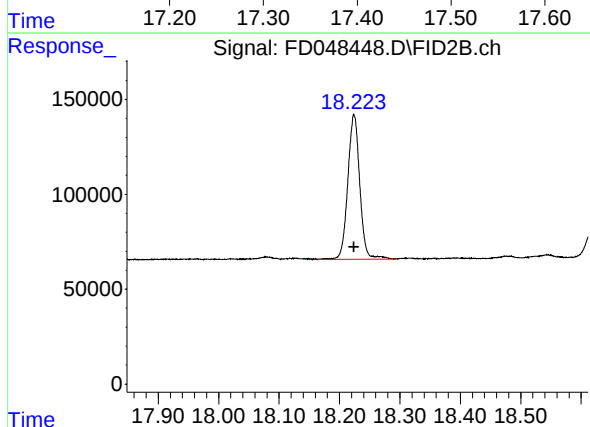
#17 n-Tricontane (C30)

R.T.: 17.396 min
Delta R.T.: -0.001 min
Response: 1042332
Conc: 6.43 ug/ml

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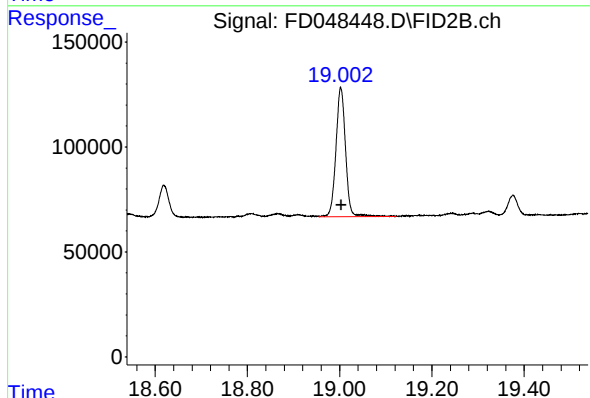
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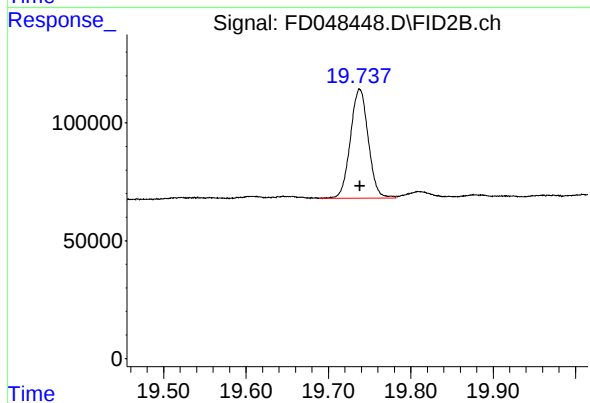
#18 n-Dotriacontane (C32)

R.T.: 18.224 min
Delta R.T.: 0.000 min
Response: 1049972
Conc: 6.70 ug/ml



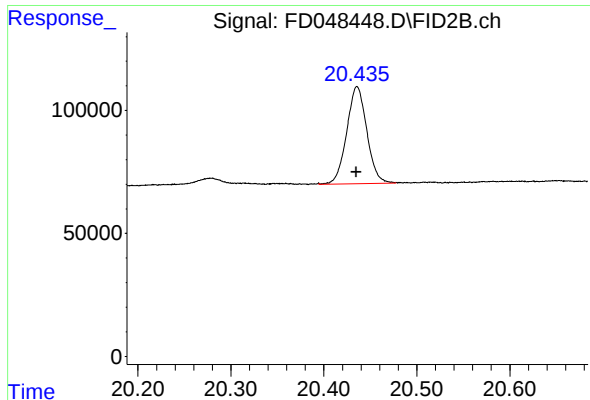
#19 n-Tetratriacontane (C34)

R.T.: 19.003 min
Delta R.T.: 0.000 min
Response: 891070
Conc: 6.56 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.738 min
Delta R.T.: 0.000 min
Response: 698976
Conc: 6.07 ug/ml



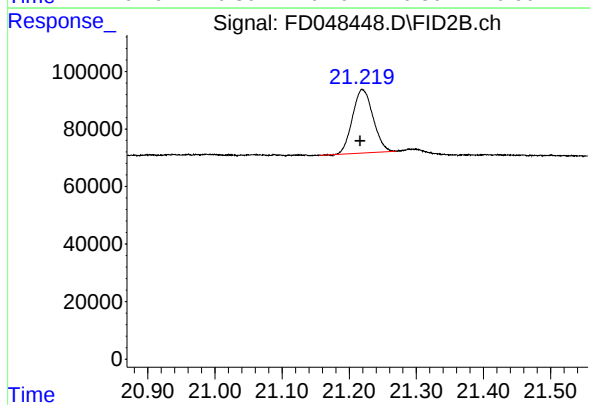
#21 n-Octatriacontane (C38)

R.T.: 20.435 min
Delta R.T.: 0.000 min
Response: 593907
Conc: 5.39 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.220 min
Delta R.T.: 0.003 min
Response: 470410
Conc: 4.63 ug/ml