

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD090722AL\
 Data File : FD043812.D
 Signal(s) : FID2B.ch
 Acq On : 07 Sep 2022 16:40
 Operator : YP/AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/08/2022
 Supervised By :Ankita Jodhani 09/08/2022

Integration File: autoint1.e
 Quant Time: Sep 07 17:09:34 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 090722.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 07 16:31:27 2022
 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)	11.324	827153	4.797 ug/ml
Spiked Amount 50.000		Recovery =	9.59%
12) S 1-chlorooctadecane (S...	12.741	632923	4.700 ug/ml
Spiked Amount 50.000		Recovery =	9.40%
Target Compounds			
1) T n-Nonane (C9)	3.154	675306	4.617 ug/ml
2) T n-Decane (C10)	4.205	671895	4.550 ug/ml
3) T A~Naphthalene (C11.7)	5.792	610549	4.173 ug/mlm
4) T n-Dodecane (C12)	6.203	708801	4.677 ug/ml
5) T A~2-methylnaphthalene...	6.841	609655	4.292 ug/mlm
6) T n-Tetradecane (C14)	7.983	716720	4.690 ug/ml
7) T n-Hexadecane (C16)	9.570	727337	4.698 ug/ml
8) T n-Octadecane (C18)	11.000	764065	4.809 ug/ml
10) T n-Eicosane (C20)	12.298	791542	4.934 ug/ml
11) T n-Heneicosane (C21)	12.905	806757	5.001 ug/ml
13) T n-Docosane (C22)	13.485	801678	4.982 ug/ml
14) T n-Tetracosane (C24)	14.576	799891	5.059 ug/ml
15) T n-Hexacosane (C26)	15.588	789603	5.088 ug/ml
16) T n-Octacosane (C28)	16.527	775510	5.153 ug/ml
17) T n-Tricontane (C30)	17.407	766959	5.186 ug/ml
18) T n-Dotriacontane (C32)	18.230	734777	5.186 ug/ml
19) T n-Tetratriacontane (C34)	19.004	670660	5.165 ug/ml
20) T n-Hexatriacontane (C36)	19.734	622351	5.036 ug/ml
21) T n-Octatriacontane (C38)	20.425	580859	4.965 ug/ml
22) T n-Tetracontane (C40)	21.190	531664	4.765 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 59 Sample Multiplier: 1

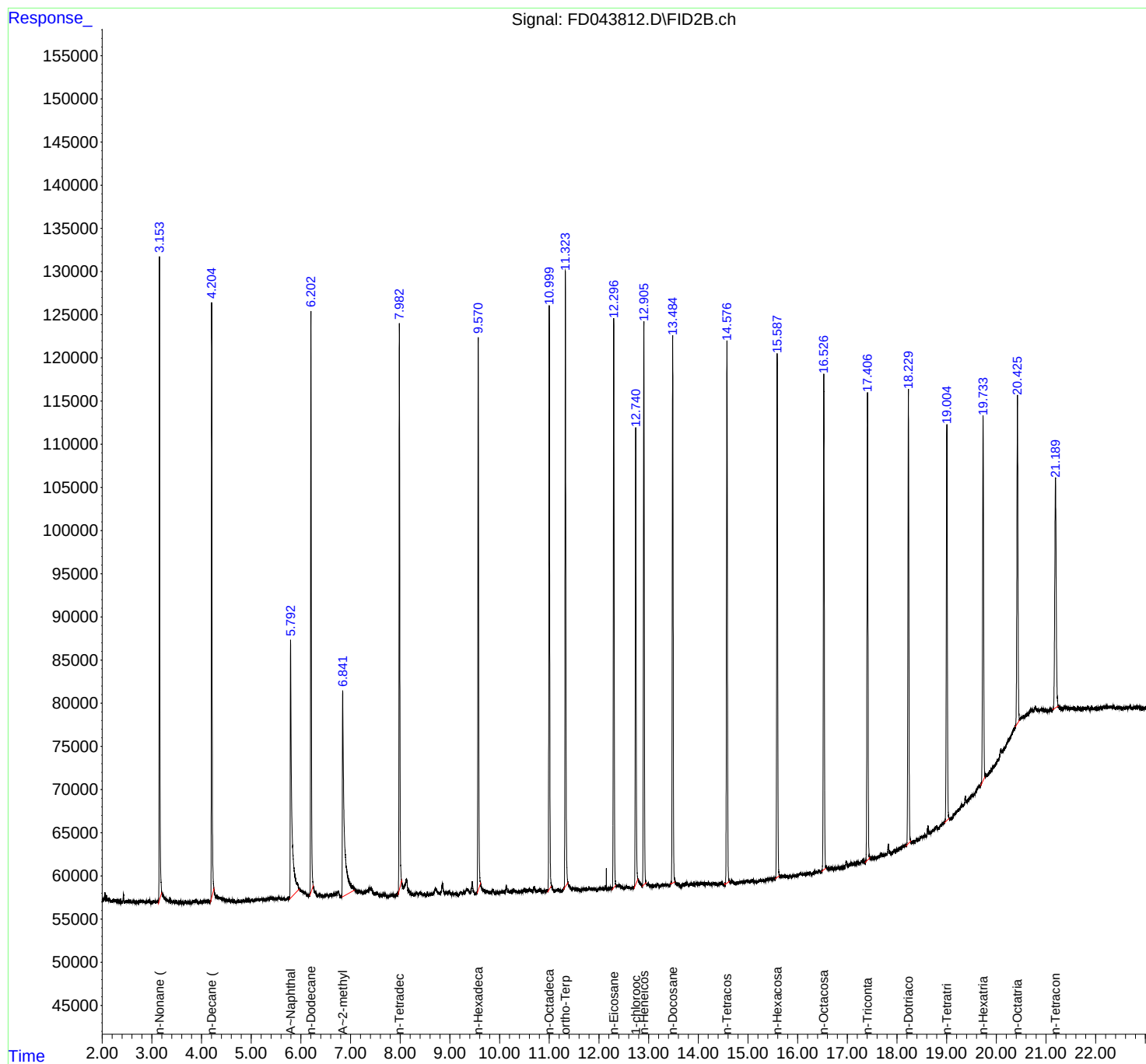
Instrument :
FID_D
ClientSampleId :
5 PPM ALIPHATIC HC STD5

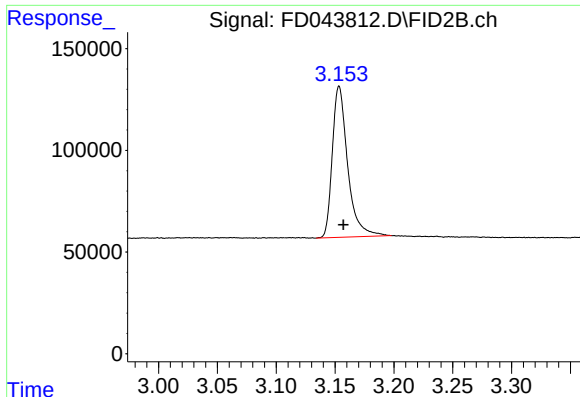
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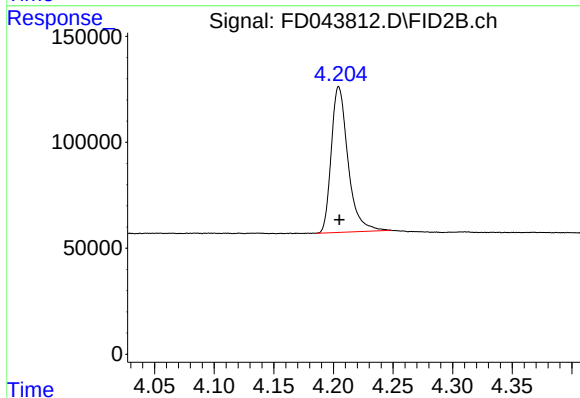
#1 n-Nonane (C9)

R.T.: 3.154 min
Delta R.T.: -0.003 min
Response: 675306
Conc: 4.62 ug/ml

Instrument :
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5 PPM ALIPHATIC HC STD5

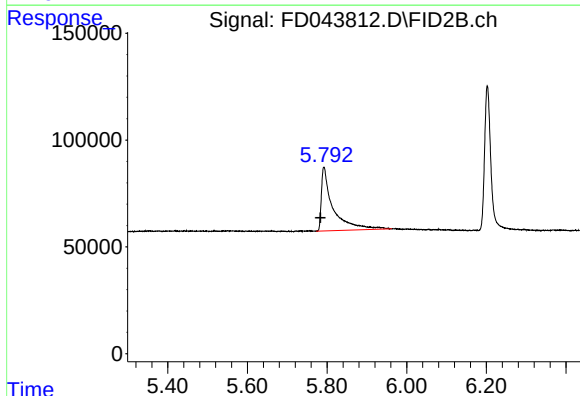
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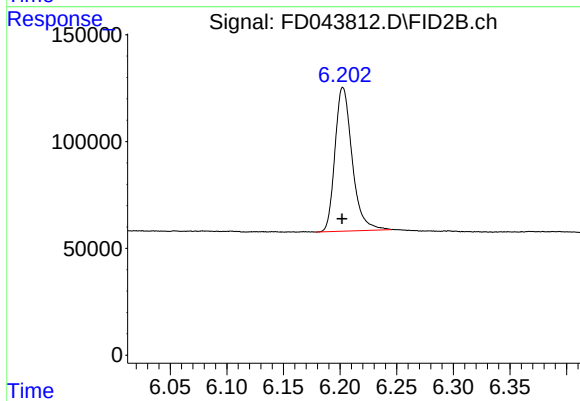
#2 n-Decane (C10)

R.T.: 4.205 min
Delta R.T.: 0.000 min
Response: 671895
Conc: 4.55 ug/ml



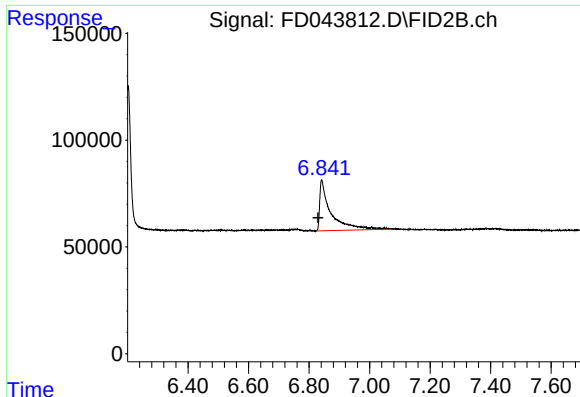
#3 A~Naphthalene (C11.7)

R.T.: 5.792 min
Delta R.T.: 0.009 min
Response: 610549
Conc: 4.17 ug/ml m



#4 n-Dodecane (C12)

R.T.: 6.203 min
Delta R.T.: 0.000 min
Response: 708801
Conc: 4.68 ug/ml



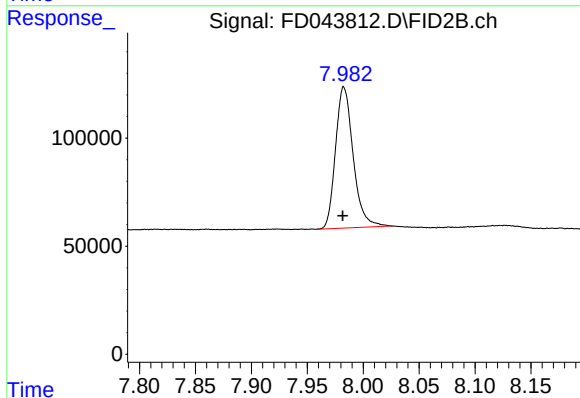
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.841 min
Delta R.T.: 0.011 min
Response: 609655
Conc: 4.29 ug/ml

Instrument :
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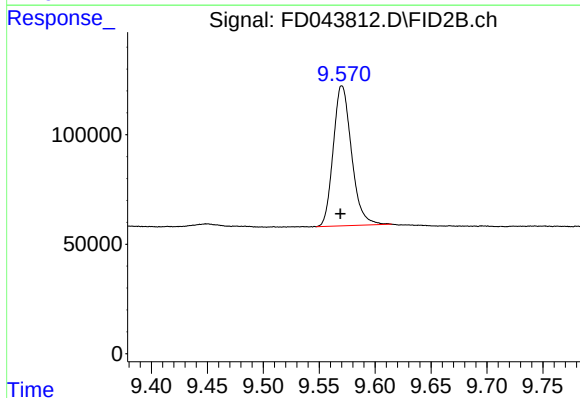
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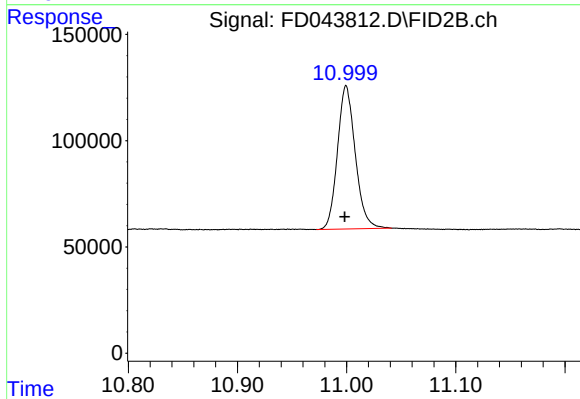
#6 n-Tetradecane (C14)

R.T.: 7.983 min
Delta R.T.: 0.000 min
Response: 716720
Conc: 4.69 ug/ml



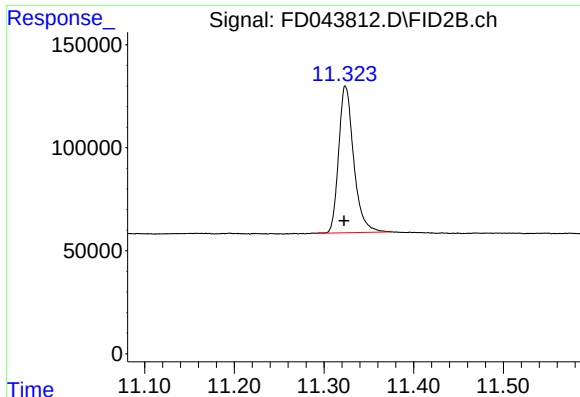
#7 n-Hexadecane (C16)

R.T.: 9.570 min
Delta R.T.: 0.001 min
Response: 727337
Conc: 4.70 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.000 min
Delta R.T.: 0.001 min
Response: 764065
Conc: 4.81 ug/ml



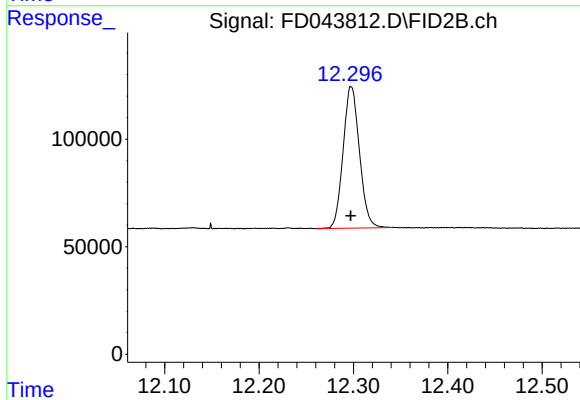
#9 ortho-Terphenyl (SURR)

R.T.: 11.324 min
Delta R.T.: 0.002 min
Response: 827153
Conc: 4.80 ug/ml

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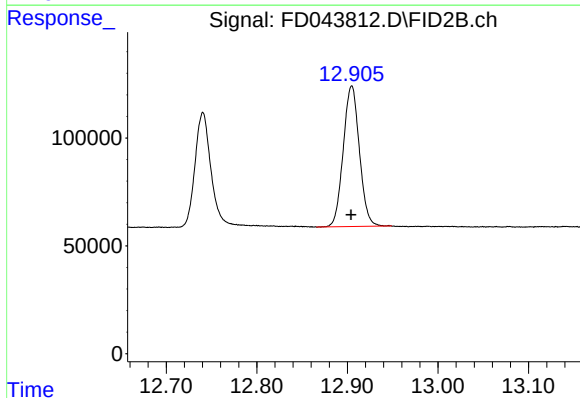
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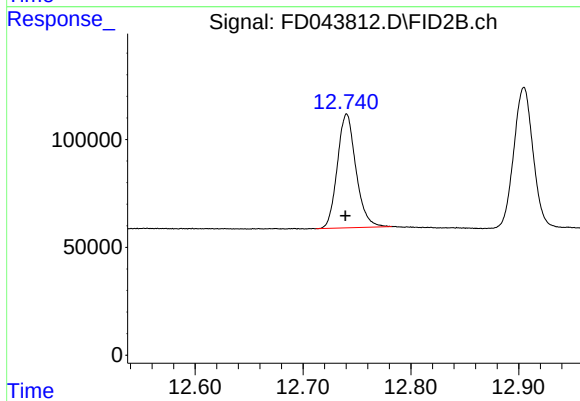
#10 n-Eicosane (C20)

R.T.: 12.298 min
Delta R.T.: 0.000 min
Response: 791542
Conc: 4.93 ug/ml



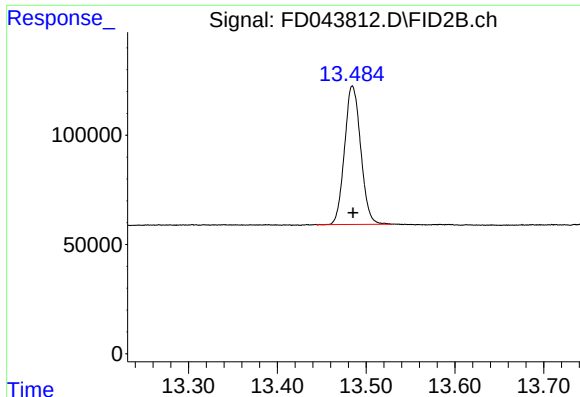
#11 n-Heneicosane (C21)

R.T.: 12.905 min
Delta R.T.: 0.000 min
Response: 806757
Conc: 5.00 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.741 min
Delta R.T.: 0.001 min
Response: 632923
Conc: 4.70 ug/ml



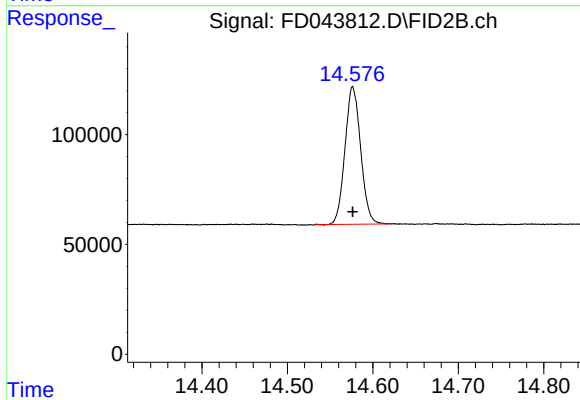
#13 n-Docosane (C22)

R.T.: 13.485 min
Delta R.T.: 0.000 min
Response: 801678
Conc: 4.98 ug/ml

Instrument :
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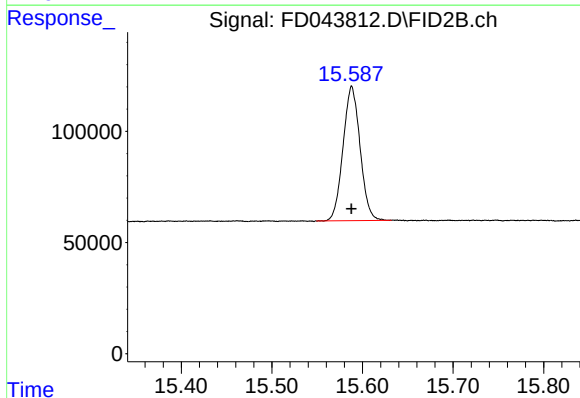
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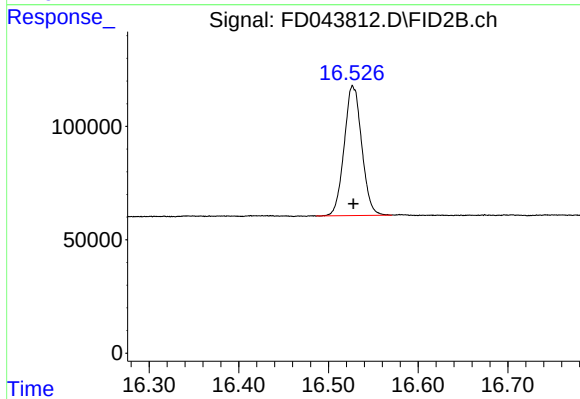
#14 n-Tetracosane (C24)

R.T.: 14.576 min
Delta R.T.: 0.000 min
Response: 799891
Conc: 5.06 ug/ml



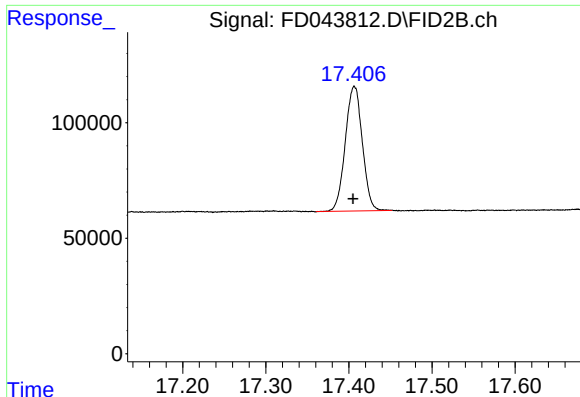
#15 n-Hexacosane (C26)

R.T.: 15.588 min
Delta R.T.: 0.000 min
Response: 789603
Conc: 5.09 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.527 min
Delta R.T.: 0.000 min
Response: 775510
Conc: 5.15 ug/ml



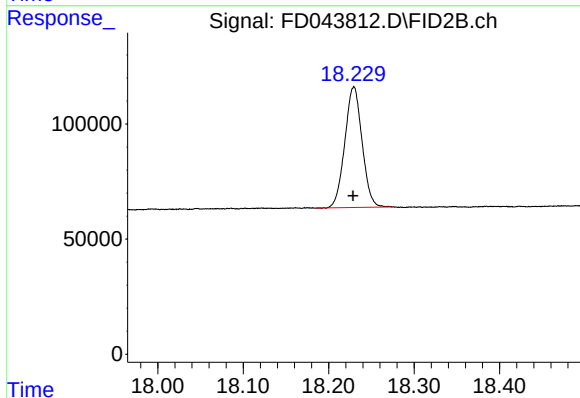
#17 n-Tricontane (C30)

R.T.: 17.407 min
Delta R.T.: 0.001 min
Response: 766959
Conc: 5.19 ug/ml

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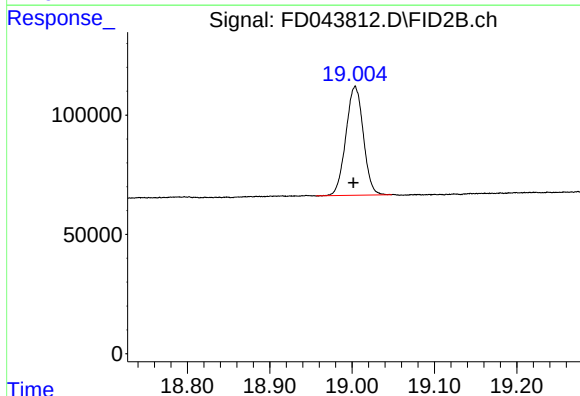
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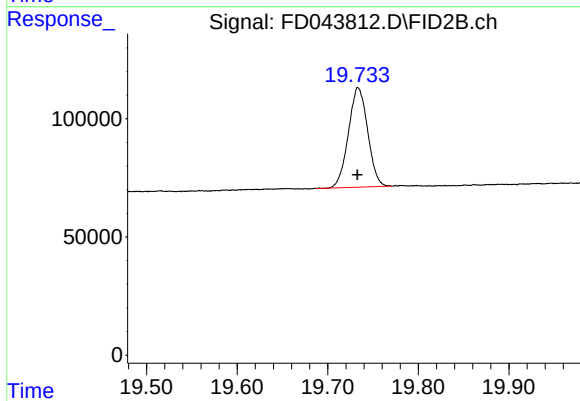
#18 n-Dotriacontane (C32)

R.T.: 18.230 min
Delta R.T.: 0.000 min
Response: 734777
Conc: 5.19 ug/ml



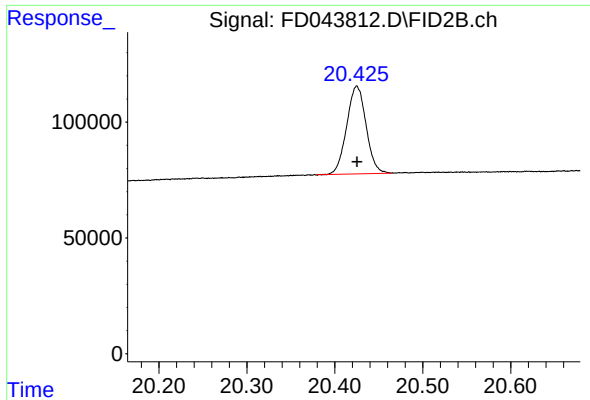
#19 n-Tetratriacontane (C34)

R.T.: 19.004 min
Delta R.T.: 0.002 min
Response: 670660
Conc: 5.17 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.734 min
Delta R.T.: 0.000 min
Response: 622351
Conc: 5.04 ug/ml



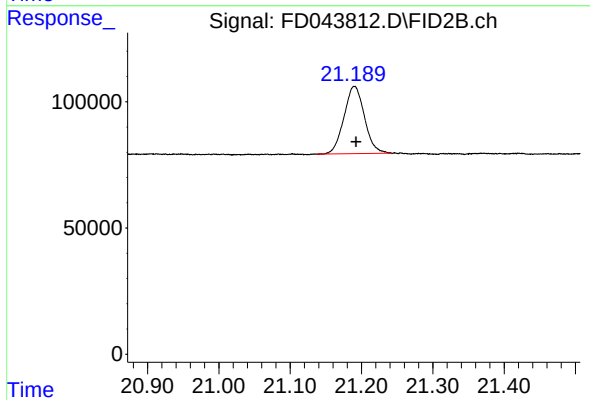
#21 n-Octatriacontane (C38)

R.T.: 20.425 min
Delta R.T.: 0.000 min
Response: 580859
Conc: 4.97 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.190 min
Delta R.T.: -0.002 min
Response: 531664
Conc: 4.77 ug/ml