

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100923AL\
 Data File : FD046695.D
 Signal(s) : FID2B.ch
 Acq On : 09 Oct 2023 17:50
 Operator : YP/AJ
 Sample : 04699-08
 Misc : 5PPM WATER LOQ
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 LOQ-WATER-02-QT4-2023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/10/2023
 Supervised By :Ankita Jodhani 10/10/2023

Integration File: autoint1.e
 Quant Time: Oct 09 23:48:03 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 091523.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 15 05:12:31 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			
12) S 1-chlorooctadecane (S...	12.818	6060010	38.458 ug/ml
Spiked Amount 50.000		Recovery =	76.92%
Target Compounds			
1) T n-Nonane (C9)	3.217	586286	3.545 ug/ml
2) T n-Decane (C10)	4.269	731309	4.338 ug/ml
4) T n-Dodecane (C12)	6.269	834804	4.915 ug/ml
6) T n-Tetradecane (C14)	8.052	824515	4.873 ug/ml
7) T n-Hexadecane (C16)	9.644	868097	4.914 ug/ml
8) T n-Octadecane (C18)	11.075	959749	5.235 ug/ml
10) T n-Eicosane (C20)	12.375	1031391	5.705 ug/ml
11) T n-Heneicosane (C21)	12.983	1012821	5.633 ug/ml
13) T n-Docosane (C22)	13.566	1036099	5.736 ug/ml
14) T n-Tetracosane (C24)	14.661	1069208	5.833 ug/mlm
15) T n-Hexacosane (C26)	15.673	1007321	5.630 ug/ml
16) T n-Octacosane (C28)	16.615	997434	5.779 ug/ml
17) T n-Tricontane (C30)	17.495	1006632	5.855 ug/ml
18) T n-Dotriacontane (C32)	18.322	951121	5.816 ug/ml
19) T n-Tetratriacontane (C34)	19.099	868810	5.575 ug/ml
20) T n-Hexatriacontane (C36)	19.832	779700	5.545 ug/ml
21) T n-Octatriacontane (C38)	20.533	720479	5.381 ug/ml
22) T n-Tetracontane (C40)	21.344	669620	5.297 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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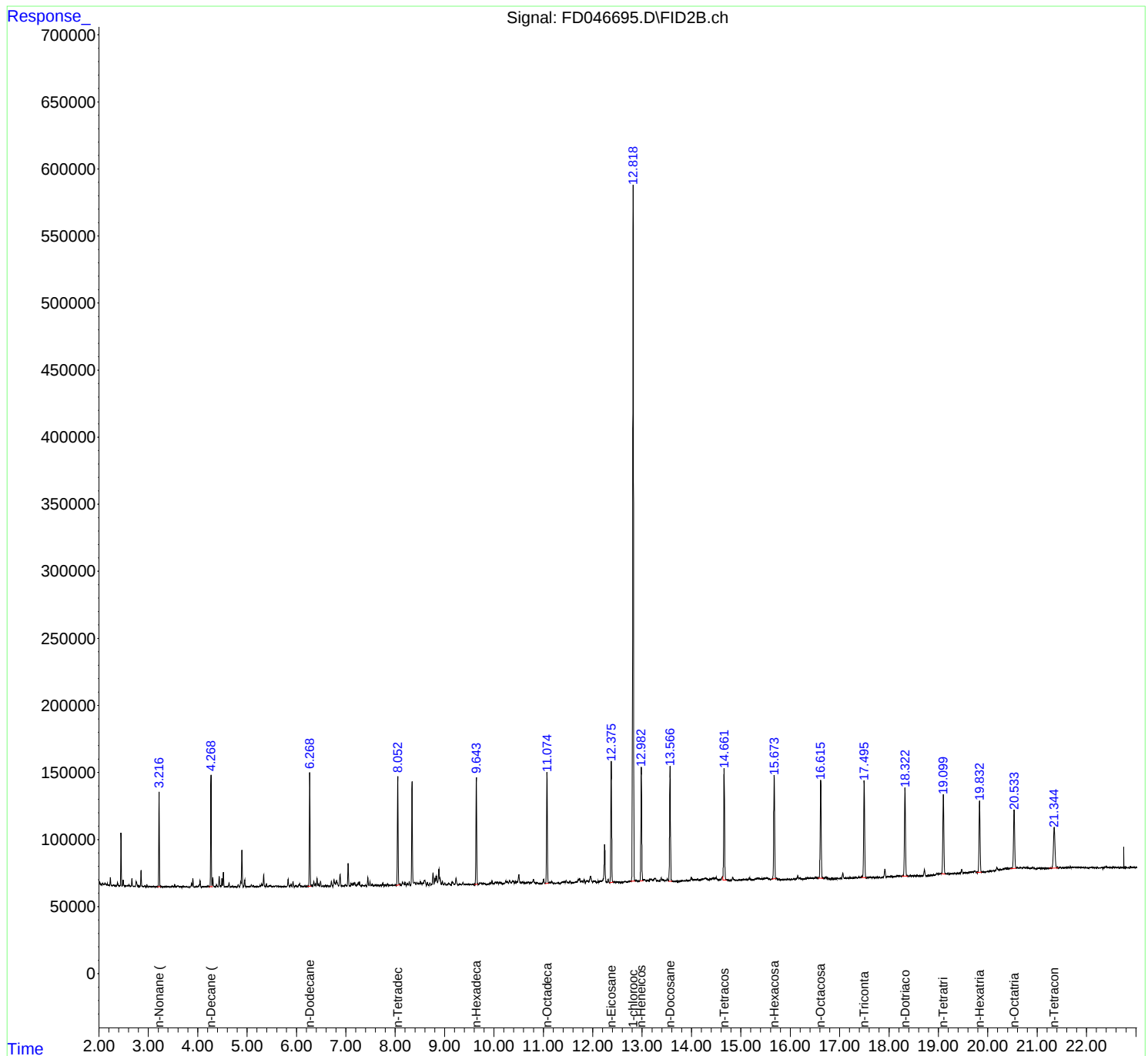
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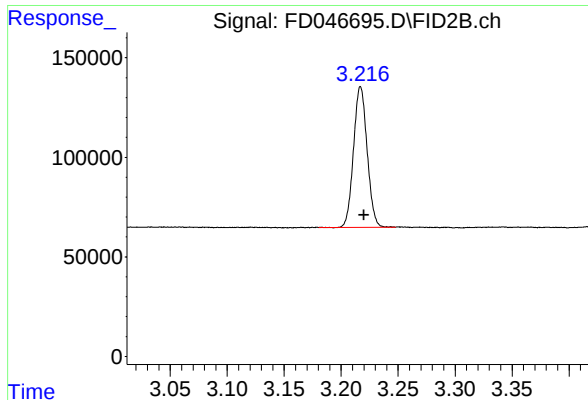
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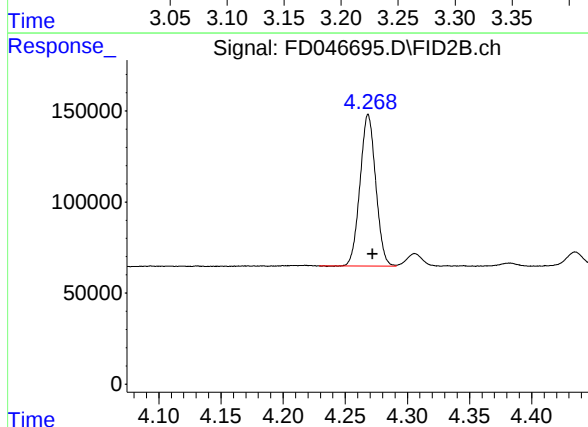
#1 n-Nonane (C9)

R.T.: 3.217 min
Delta R.T.: -0.003 min
Response: 586286
Conc: 3.55 ug/ml

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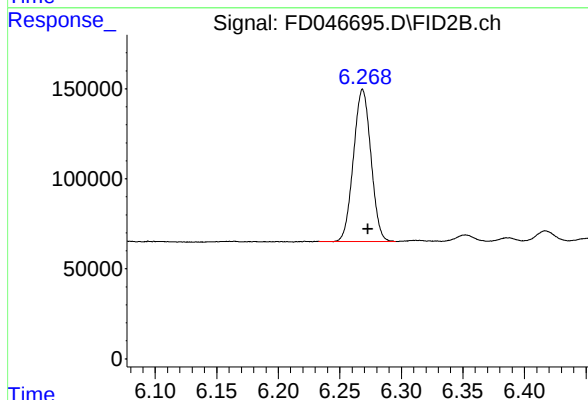
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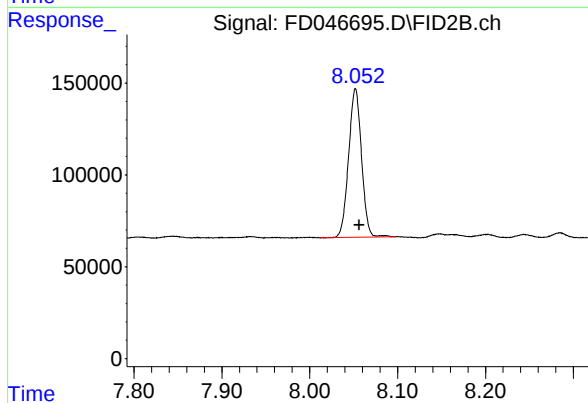
#2 n-Decane (C10)

R.T.: 4.269 min
Delta R.T.: -0.003 min
Response: 731309
Conc: 4.34 ug/ml



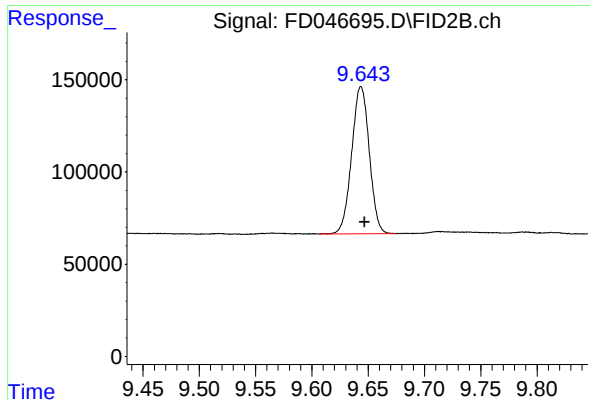
#4 n-Dodecane (C12)

R.T.: 6.269 min
Delta R.T.: -0.004 min
Response: 834804
Conc: 4.91 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.052 min
Delta R.T.: -0.005 min
Response: 824515
Conc: 4.87 ug/ml



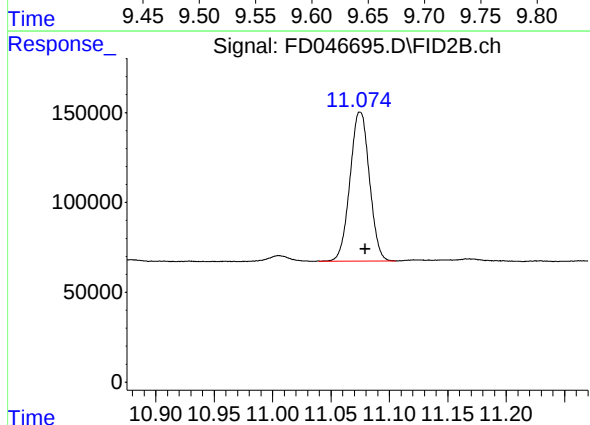
#7 n-Hexadecane (C16)

R.T.: 9.644 min
Delta R.T.: -0.003 min
Response: 868097
Conc: 4.91 ug/ml

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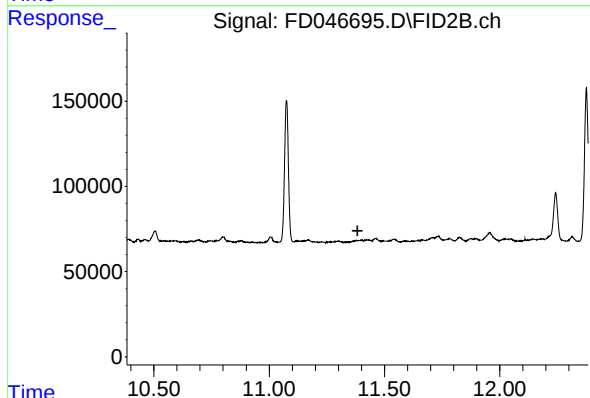
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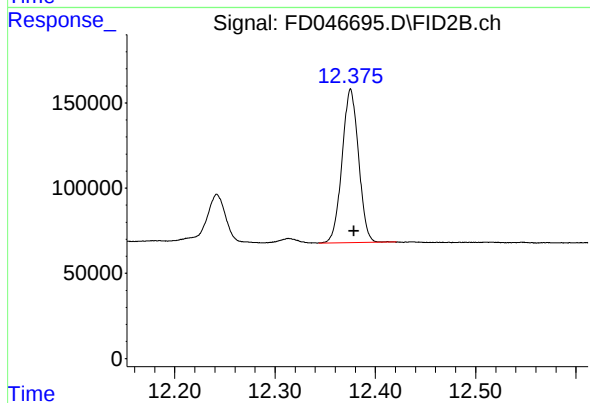
#8 n-Octadecane (C18)

R.T.: 11.075 min
Delta R.T.: -0.005 min
Response: 959749
Conc: 5.23 ug/ml



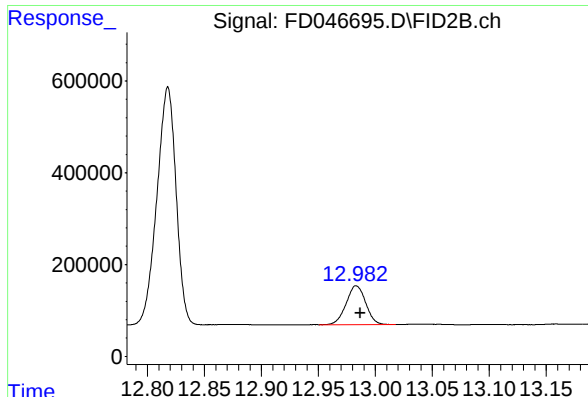
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.383 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.375 min
Delta R.T.: -0.003 min
Response: 1031391
Conc: 5.70 ug/ml



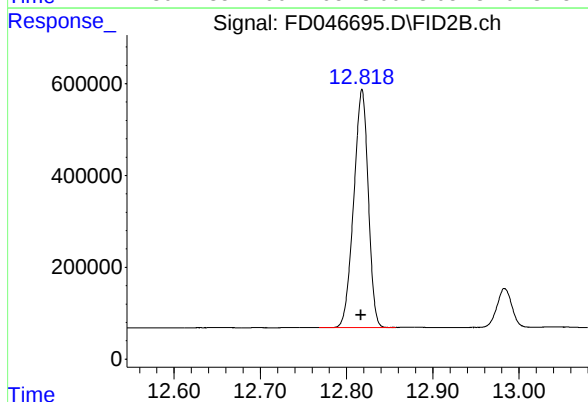
#11 n-Heneicosane (C21)

R.T.: 12.983 min
Delta R.T.: -0.004 min
Response: 1012821
Conc: 5.63 ug/ml

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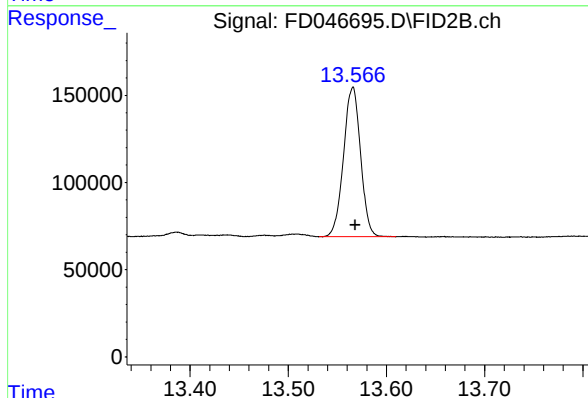
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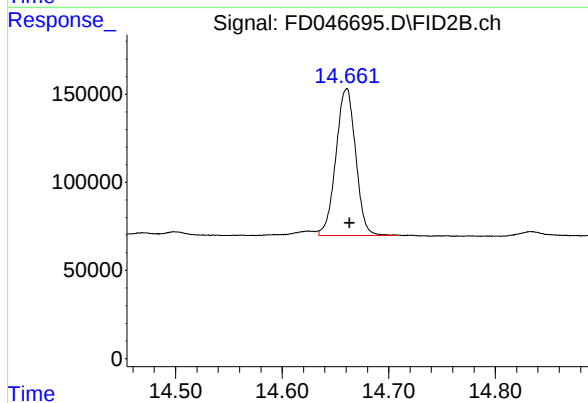
#12 1-chlorooctadecane (SURR)

R.T.: 12.818 min
Delta R.T.: 0.001 min
Response: 6060010
Conc: 38.46 ug/ml



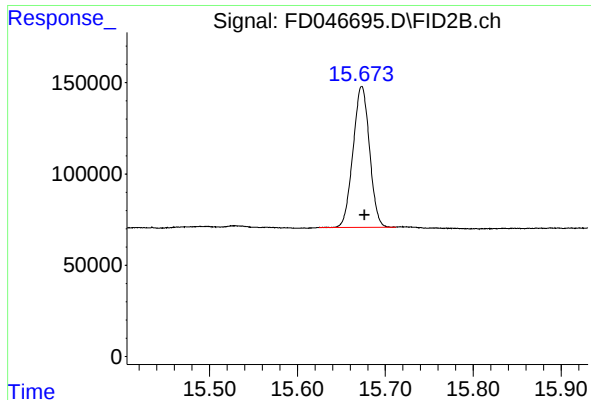
#13 n-Docosane (C22)

R.T.: 13.566 min
Delta R.T.: -0.002 min
Response: 1036099
Conc: 5.74 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.661 min
Delta R.T.: -0.002 min
Response: 1069208
Conc: 5.83 ug/ml m



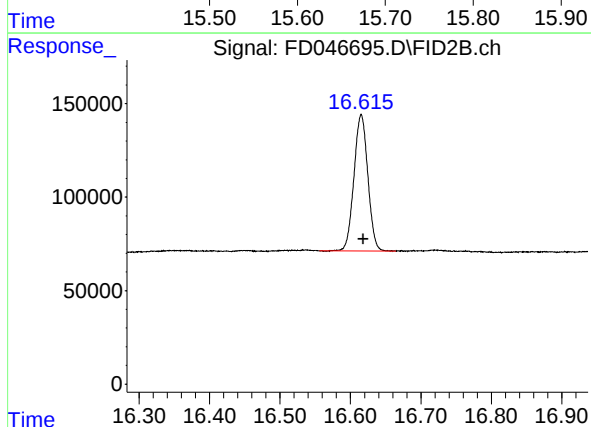
#15 n-Hexacosane (C26)

R.T.: 15.673 min
Delta R.T.: -0.003 min
Response: 1007321
Conc: 5.63 ug/ml

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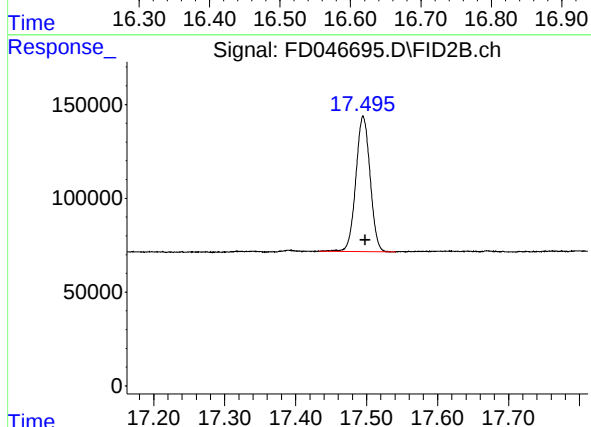
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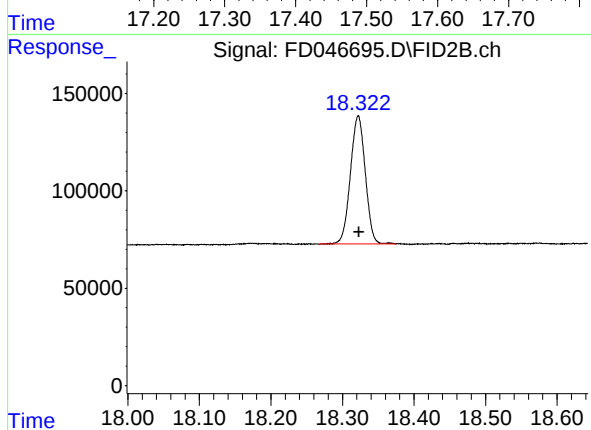
#16 n-Octacosane (C28)

R.T.: 16.615 min
Delta R.T.: -0.003 min
Response: 997434
Conc: 5.78 ug/ml



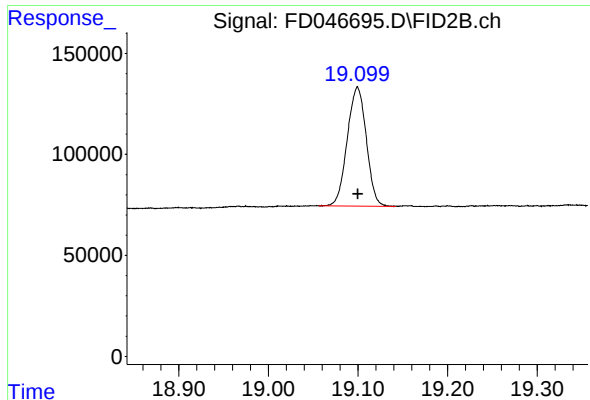
#17 n-Tricontane (C30)

R.T.: 17.495 min
Delta R.T.: -0.003 min
Response: 1006632
Conc: 5.85 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.322 min
Delta R.T.: -0.001 min
Response: 951121
Conc: 5.82 ug/ml



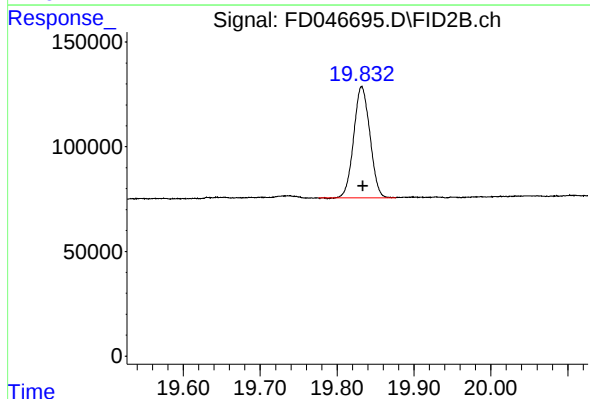
#19 n-Tetratriacontane (C34)

R.T.: 19.099 min
Delta R.T.: 0.000 min
Response: 868810
Conc: 5.57 ug/ml

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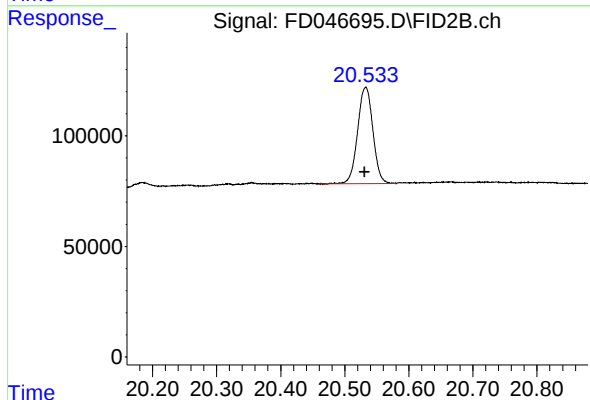
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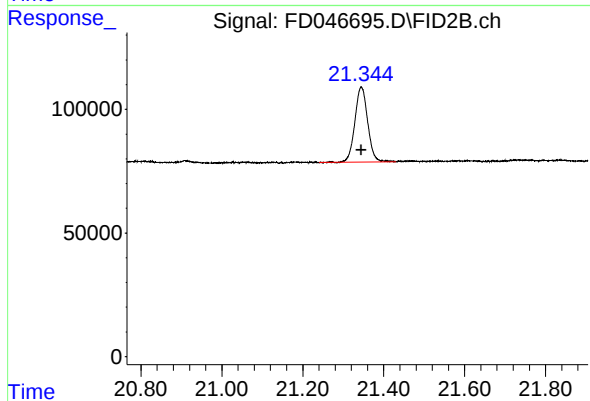
#20 n-Hexatriacontane (C36)

R.T.: 19.832 min
Delta R.T.: -0.001 min
Response: 779700
Conc: 5.55 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.533 min
Delta R.T.: 0.002 min
Response: 720479
Conc: 5.38 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.344 min
Delta R.T.: 0.000 min
Response: 669620
Conc: 5.30 ug/ml