

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100923AL\
 Data File : FD046688.D
 Signal(s) : FID2B.ch
 Acq On : 09 Oct 2023 11:23
 Operator : YP/AJ
 Sample : 04699-01
 Misc : 2.5PPM SOIL LOD
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 LOD-MDL-SOIL-01-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 23:46:54 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	4589097	29.123 ug/ml
Spiked Amount 50.000		Recovery =	58.25%
Target Compounds			
1) T n-Nonane (C9)	3.215	242166	1.464 ug/ml
2) T n-Decane (C10)	4.268	313916	1.862 ug/ml
4) T n-Dodecane (C12)	6.268	395517	2.328 ug/ml
6) T n-Tetradecane (C14)	8.052	355100	2.099 ug/ml
7) T n-Hexadecane (C16)	9.644	362083	2.050 ug/ml
8) T n-Octadecane (C18)	11.075	410284	2.238 ug/ml
10) T n-Eicosane (C20)	12.376	409583	2.265 ug/ml
11) T n-Heneicosane (C21)	12.983	402327	2.237 ug/ml
13) T n-Docosane (C22)	13.565	407041	2.254 ug/ml
14) T n-Tetracosane (C24)	14.661	426428	2.326 ug/mlm
15) T n-Hexacosane (C26)	15.674	395584	2.211 ug/ml
16) T n-Octacosane (C28)	16.616	392451	2.274 ug/ml
17) T n-Tricontane (C30)	17.497	398973	2.320 ug/ml
18) T n-Dotriacontane (C32)	18.322	372081	2.275 ug/ml
19) T n-Tetratriacontane (C34)	19.098	334460	2.146 ug/ml
20) T n-Hexatriacontane (C36)	19.833	292607	2.081 ug/mlm
21) T n-Octatriacontane (C38)	20.532	249018	1.860 ug/ml
22) T n-Tetracontane (C40)	21.347	236576	1.872 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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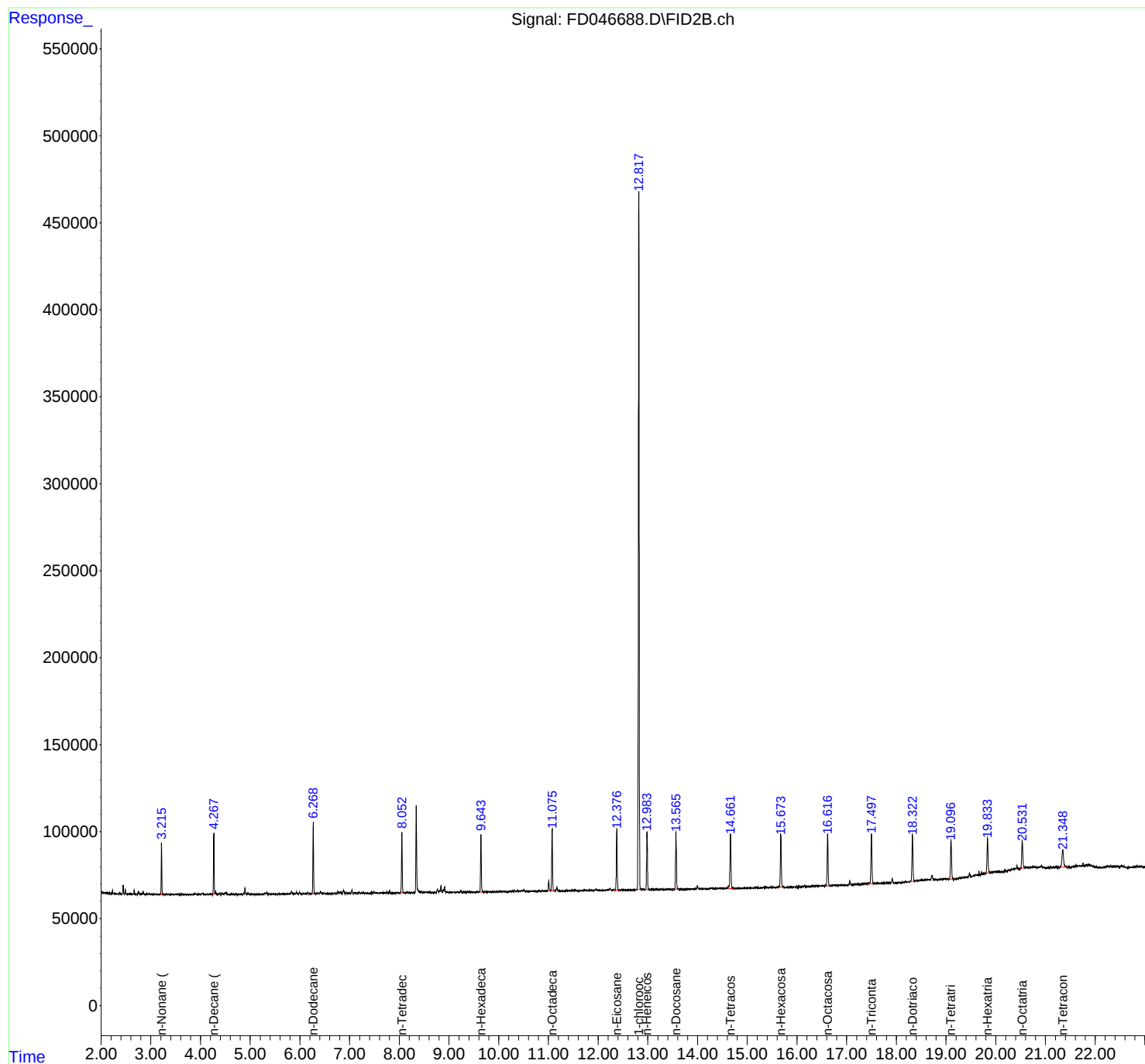
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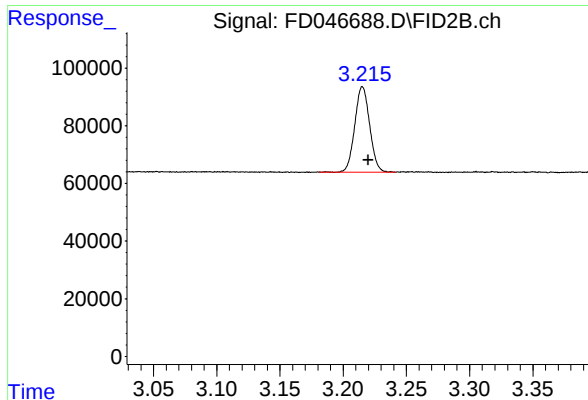
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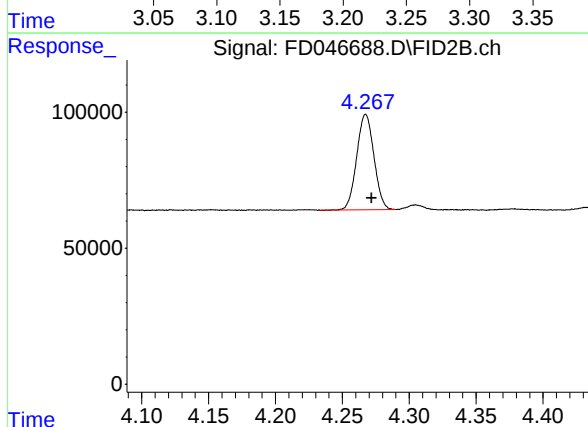
#1 n-Nonane (C9)

R.T.: 3.215 min
Delta R.T.: -0.005 min
Response: 242166
Conc: 1.46 ug/ml

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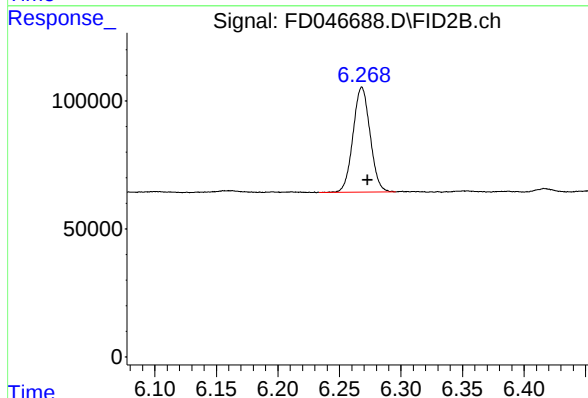
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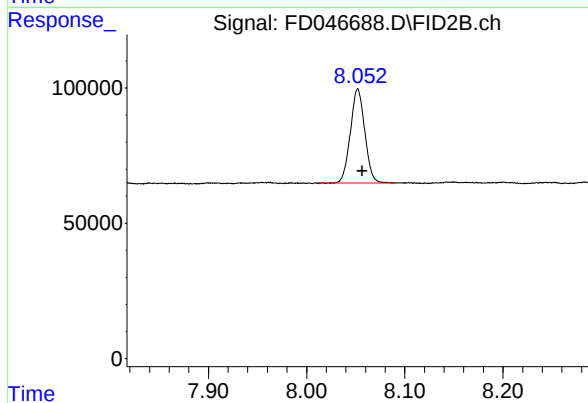
#2 n-Decane (C10)

R.T.: 4.268 min
Delta R.T.: -0.004 min
Response: 313916
Conc: 1.86 ug/ml



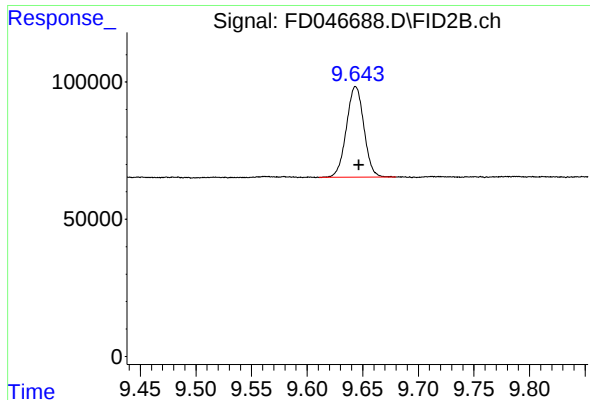
#4 n-Dodecane (C12)

R.T.: 6.268 min
Delta R.T.: -0.005 min
Response: 395517
Conc: 2.33 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.052 min
Delta R.T.: -0.004 min
Response: 355100
Conc: 2.10 ug/ml



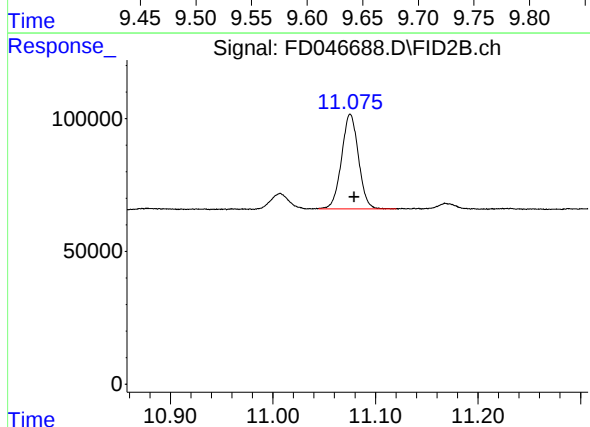
#7 n-Hexadecane (C16)

R.T.: 9.644 min
Delta R.T.: -0.003 min
Response: 362083
Conc: 2.05 ug/ml

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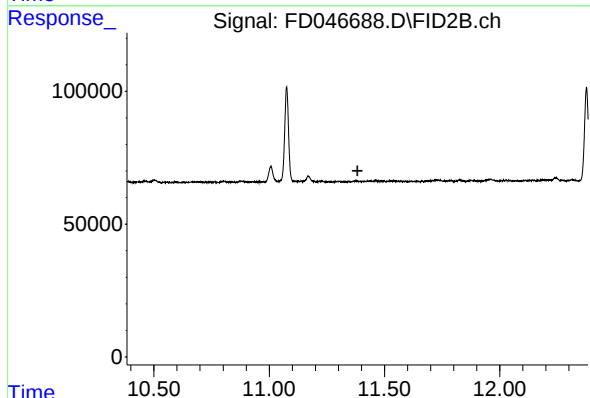
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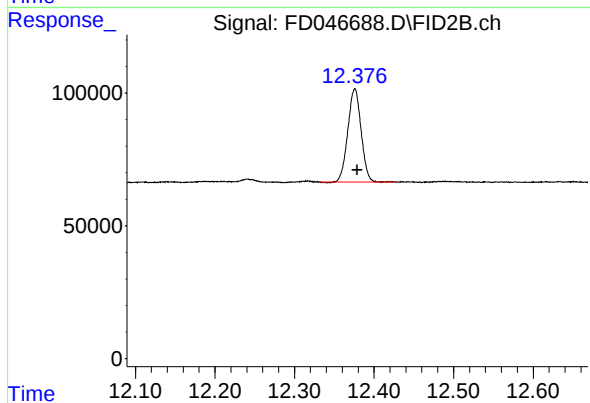
#8 n-Octadecane (C18)

R.T.: 11.075 min
Delta R.T.: -0.004 min
Response: 410284
Conc: 2.24 ug/ml



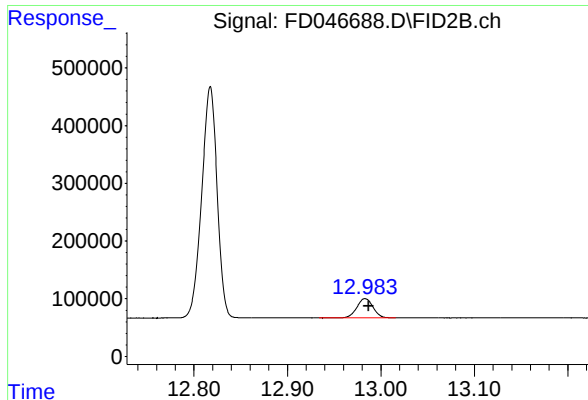
#9 ortho-Terphenyl (SURR)

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



#10 n-Eicosane (C20)

R.T.: 12.376 min
Delta R.T.: -0.003 min
Response: 409583
Conc: 2.27 ug/ml



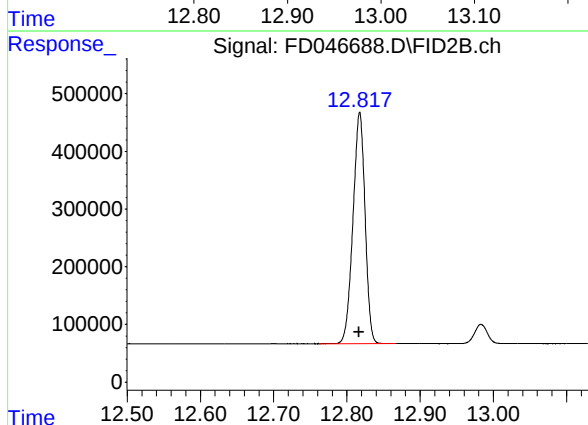
#11 n-Heneicosane (C21)

R.T.: 12.983 min
Delta R.T.: -0.004 min
Response: 402327
Conc: 2.24 ug/ml

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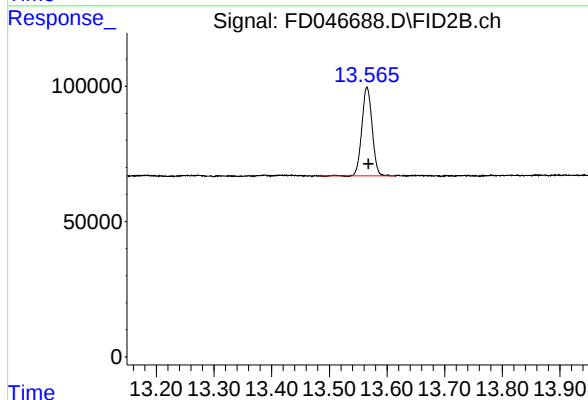
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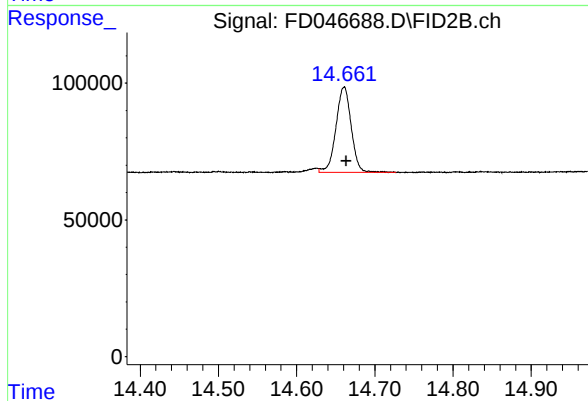
#12 1-chlorooctadecane (SURR)

R.T.: 12.818 min
Delta R.T.: 0.000 min
Response: 4589097
Conc: 29.12 ug/ml



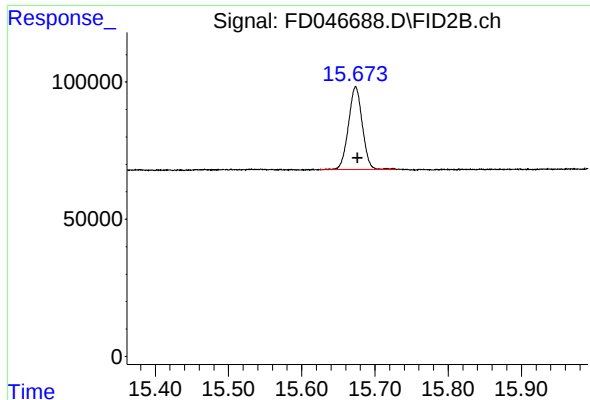
#13 n-Docosane (C22)

R.T.: 13.565 min
Delta R.T.: -0.003 min
Response: 407041
Conc: 2.25 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.661 min
Delta R.T.: -0.002 min
Response: 426428
Conc: 2.33 ug/ml m



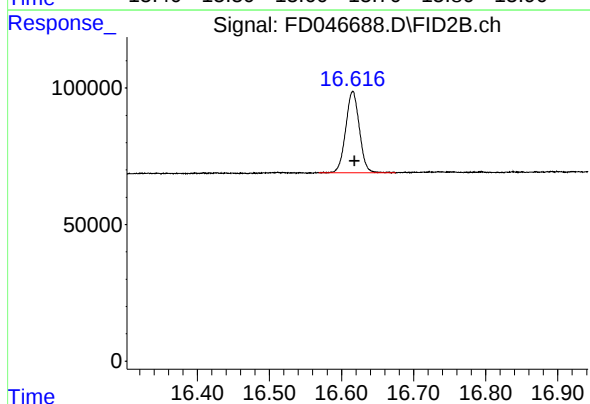
#15 n-Hexacosane (C26)

R.T.: 15.674 min
Delta R.T.: -0.002 min
Response: 395584
Conc: 2.21 ug/ml

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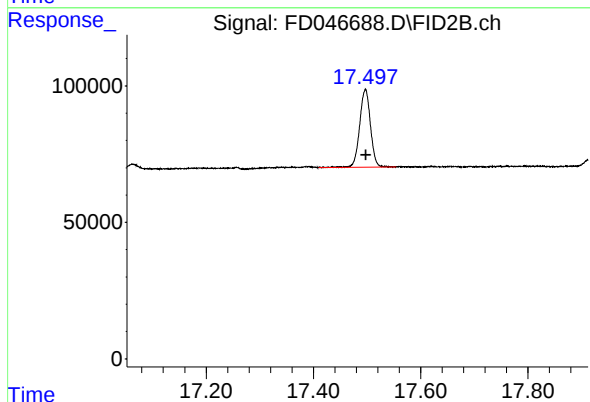
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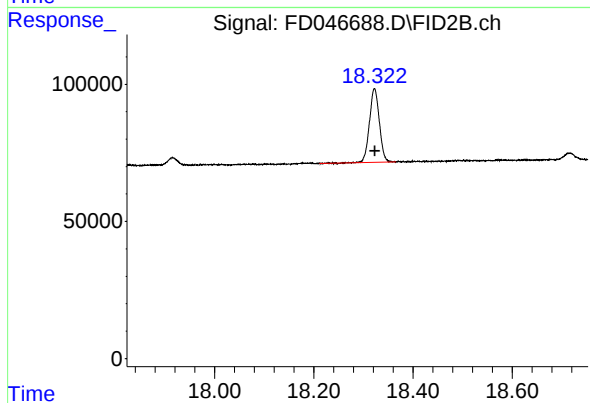
#16 n-Octacosane (C28)

R.T.: 16.616 min
Delta R.T.: -0.003 min
Response: 392451
Conc: 2.27 ug/ml



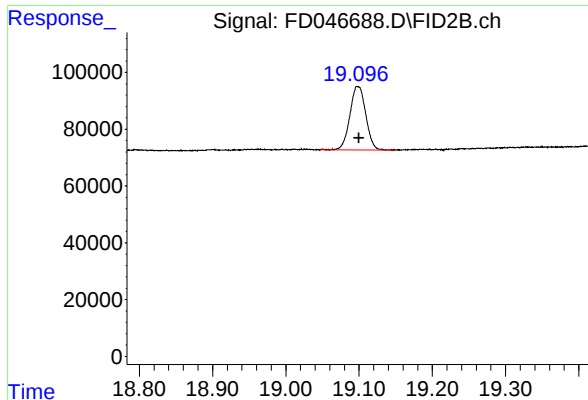
#17 n-Tricontane (C30)

R.T.: 17.497 min
Delta R.T.: -0.001 min
Response: 398973
Conc: 2.32 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.322 min
Delta R.T.: -0.001 min
Response: 372081
Conc: 2.28 ug/ml



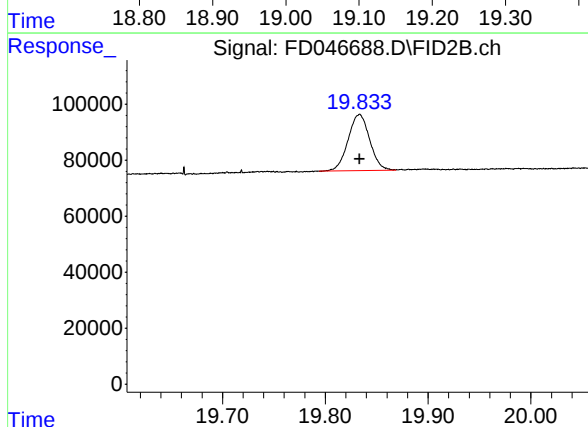
#19 n-Tetratriacontane (C34)

R.T.: 19.098 min
Delta R.T.: -0.002 min
Response: 334460
Conc: 2.15 ug/ml

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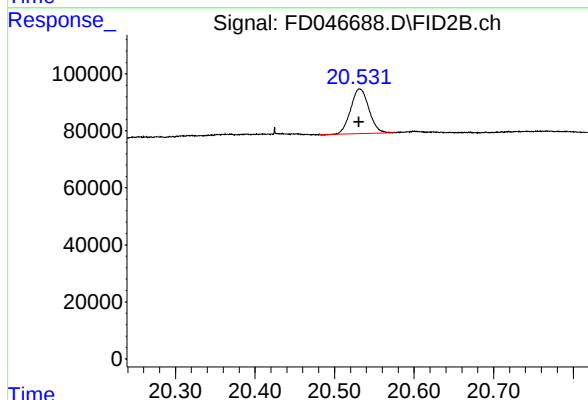
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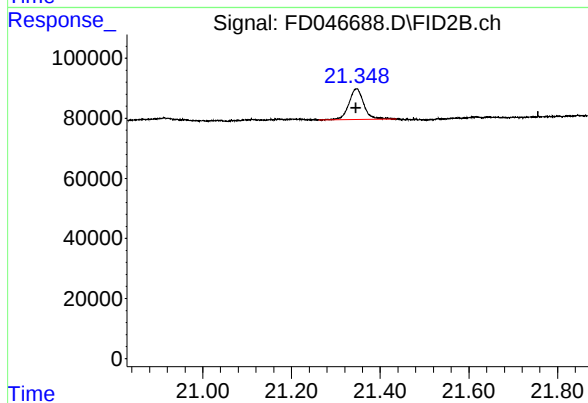
#20 n-Hexatriacontane (C36)

R.T.: 19.833 min
Delta R.T.: 0.000 min
Response: 292607
Conc: 2.08 ug/ml m



#21 n-Octatriacontane (C38)

R.T.: 20.532 min
Delta R.T.: 0.000 min
Response: 249018
Conc: 1.86 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.347 min
Delta R.T.: 0.002 min
Response: 236576
Conc: 1.87 ug/ml