

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF090925AL\
 Data File : FF016356.D
 Signal(s) : FID2B.ch
 Acq On : 09 Sep 2025 11:36
 Operator : YP\AJ
 Sample : Q2893-07
 Misc : 2.5 PPM SOIL LOD
 ALS Vial : 72 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/10/2025
 Supervised By :mohammad ahmed 09/11/2025

Integration File: autoint1.e
 Quant Time: Sep 10 01:30:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 082825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 29 03:35:42 2025
 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...	13.411	3610547	32.369 ug/mlm
Spiked Amount 50.000		Recovery =	64.74%
Target Compounds			
1) T n-Nonane (C9)	3.332	172891	1.479 ug/ml
2) T n-Decane (C10)	4.590	198915	1.679 ug/ml
4) T n-Dodecane (C12)	6.766	237906	1.982 ug/ml
6) T n-Tetradecane (C14)	8.598	299800	2.488 ug/ml
7) T n-Hexadecane (C16)	10.207	249586	1.998 ug/mlm
8) T n-Octadecane (C18)	11.652	290956	2.246 ug/mlm
10) T n-Eicosane (C20)	12.964	313034	2.448 ug/ml
11) T n-Heneicosane (C21)	13.578	285364	2.248 ug/ml
13) T n-Docosane (C22)	14.165	301579	2.375 ug/ml
14) T n-Tetracosane (C24)	15.271	302797	2.367 ug/ml
15) T n-Hexacosane (C26)	16.294	286218	2.290 ug/mlm
16) T n-Octacosane (C28)	17.246	297268	2.426 ug/ml
17) T n-Tricontane (C30)	18.136	336684	2.703 ug/ml
18) T n-Dotriacontane (C32)	18.972	354547	2.942 ug/ml
19) T n-Tetratriacontane (C34)	19.758	325078	2.981 ug/ml
20) T n-Hexatriacontane (C36)	20.502	267500	2.866 ug/ml
21) T n-Octatriacontane (C38)	21.260	225873	2.686 ug/ml
22) T n-Tetracontane (C40)	22.210	189108	2.409 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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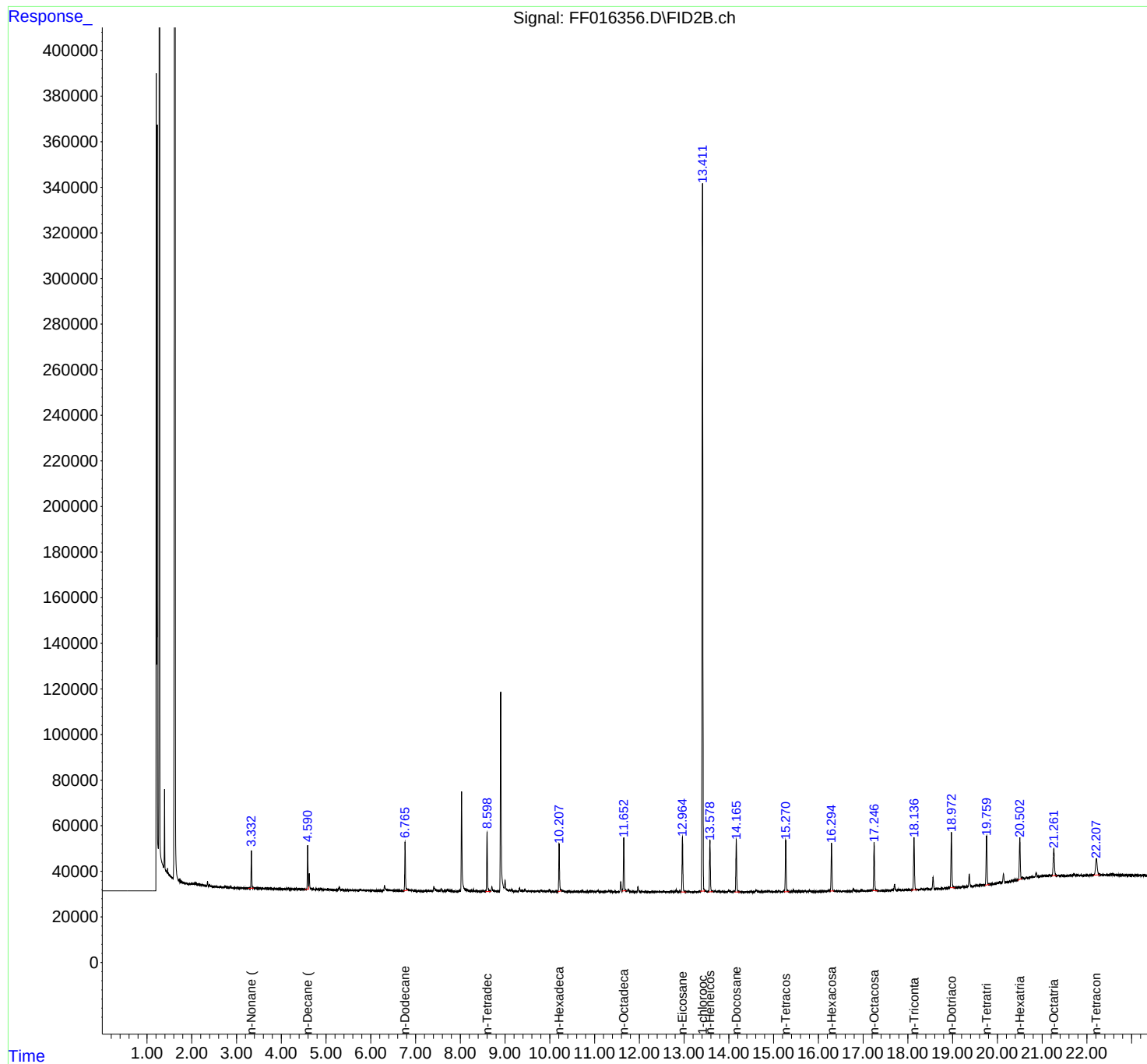
Instrument :
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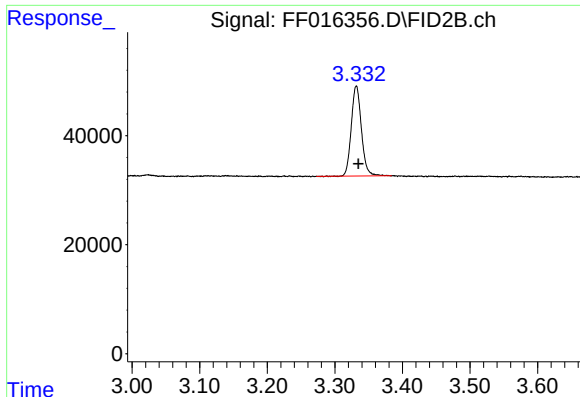
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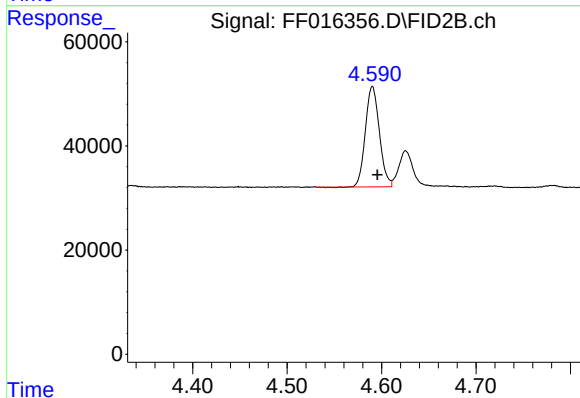
#1 n-Nonane (C9)

R.T.: 3.332 min
Delta R.T.: -0.003 min
Response: 172891
Conc: 1.48 ug/ml

Instrument : FID_F
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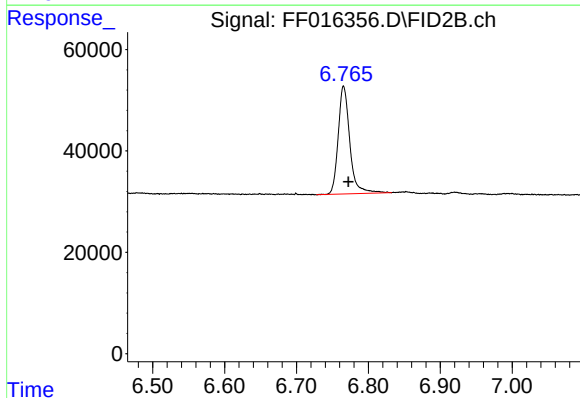
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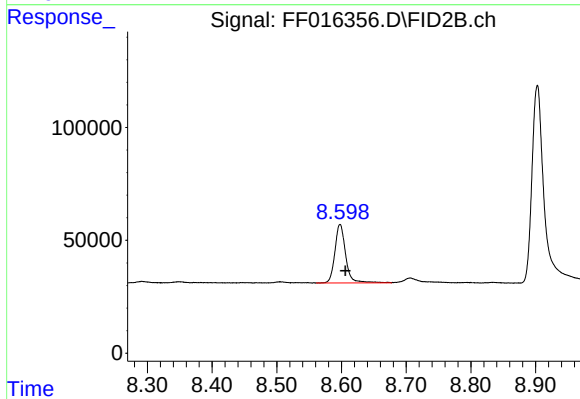
#2 n-Decane (C10)

R.T.: 4.590 min
Delta R.T.: -0.005 min
Response: 198915
Conc: 1.68 ug/ml



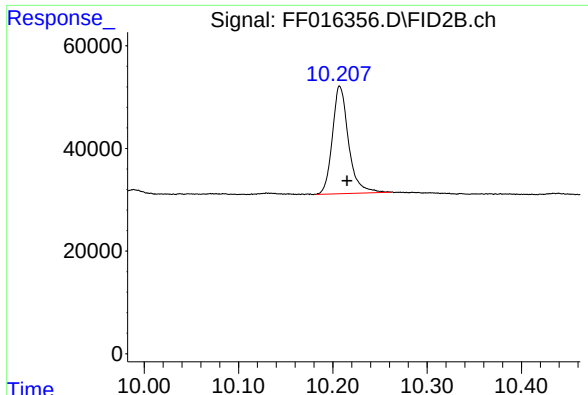
#4 n-Dodecane (C12)

R.T.: 6.766 min
Delta R.T.: -0.006 min
Response: 237906
Conc: 1.98 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.598 min
Delta R.T.: -0.008 min
Response: 299800
Conc: 2.49 ug/ml



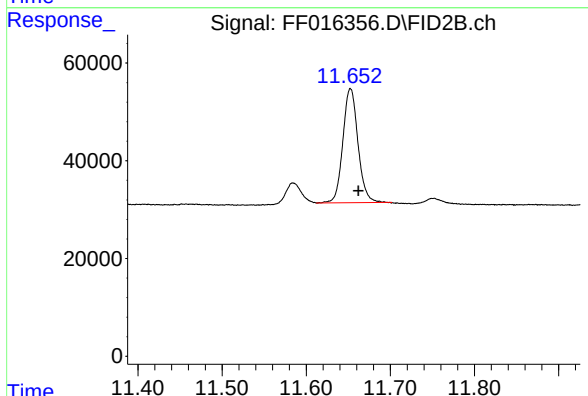
#7 n-Hexadecane (C16)

R.T.: 10.207 min
Delta R.T.: -0.009 min
Response: 249586
Conc: 2.00 ug/ml

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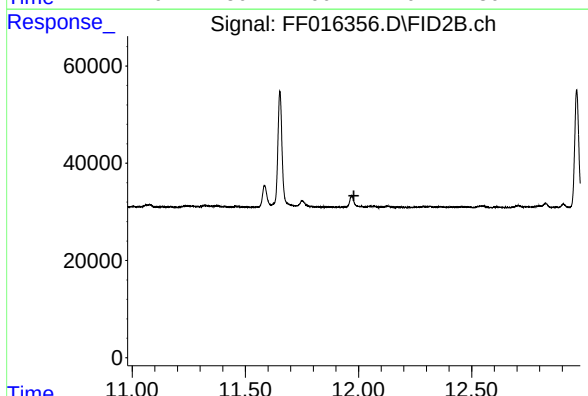
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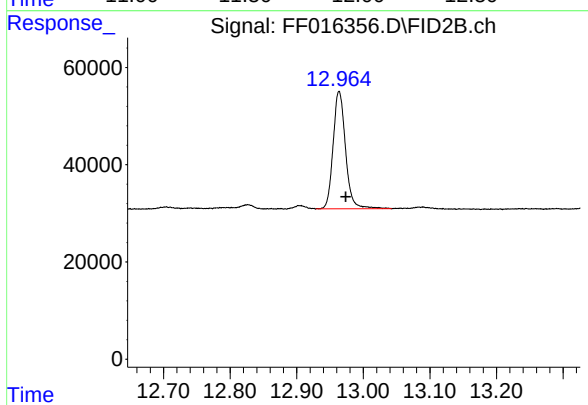
#8 n-Octadecane (C18)

R.T.: 11.652 min
Delta R.T.: -0.010 min
Response: 290956
Conc: 2.25 ug/ml m



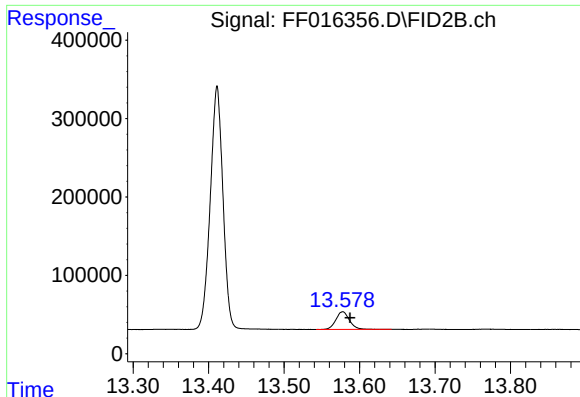
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.980 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.964 min
Delta R.T.: -0.010 min
Response: 313034
Conc: 2.45 ug/ml



#11 n-Heneicosane (C21)

R.T.: 13.578 min
Delta R.T.: -0.010 min
Response: 285364
Conc: 2.25 ug/ml

Instrument :

FID_F

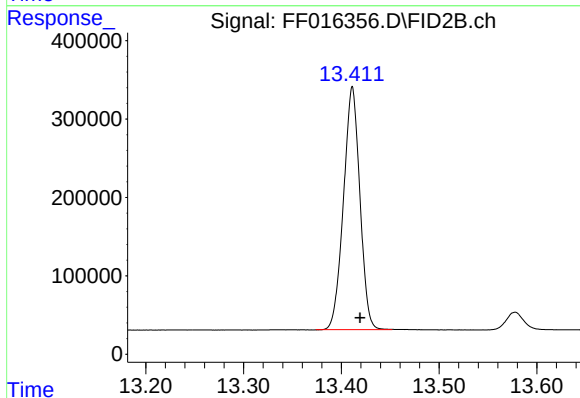
ClientSampleId :

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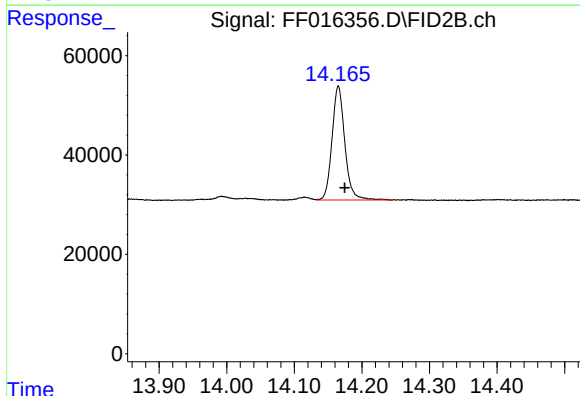
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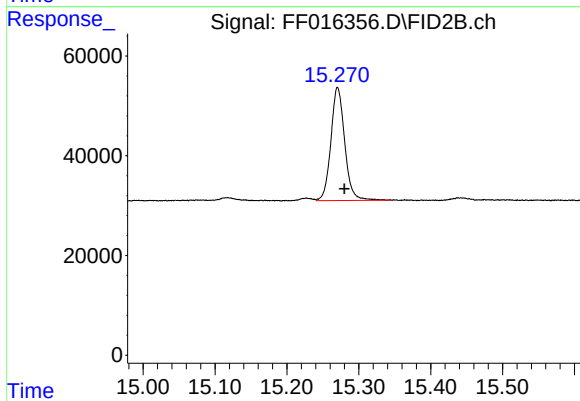
#12 1-chlorooctadecane (SURR)

R.T.: 13.411 min
Delta R.T.: -0.008 min
Response: 3610547
Conc: 32.37 ug/ml m



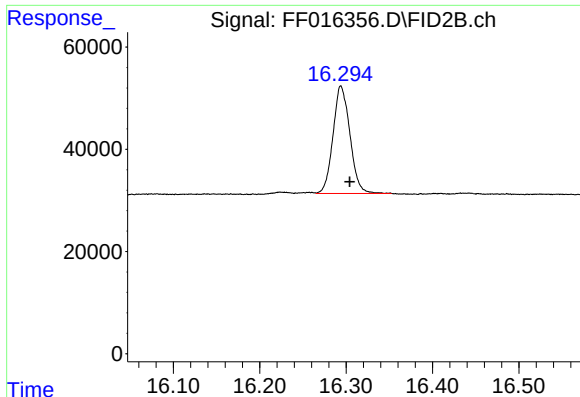
#13 n-Docosane (C22)

R.T.: 14.165 min
Delta R.T.: -0.009 min
Response: 301579
Conc: 2.38 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.271 min
Delta R.T.: -0.009 min
Response: 302797
Conc: 2.37 ug/ml



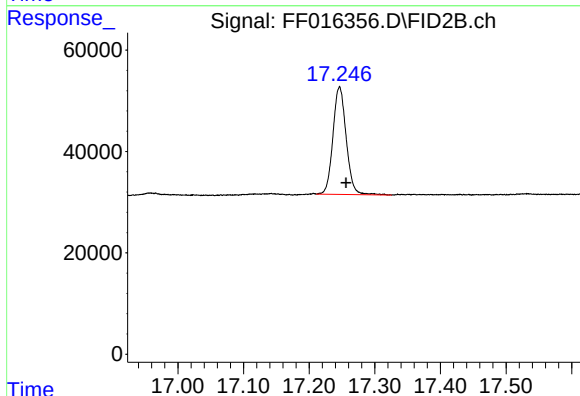
#15 n-Hexacosane (C26)

R.T.: 16.294 min
Delta R.T.: -0.011 min
Response: 286218
Conc: 2.29 ug/ml

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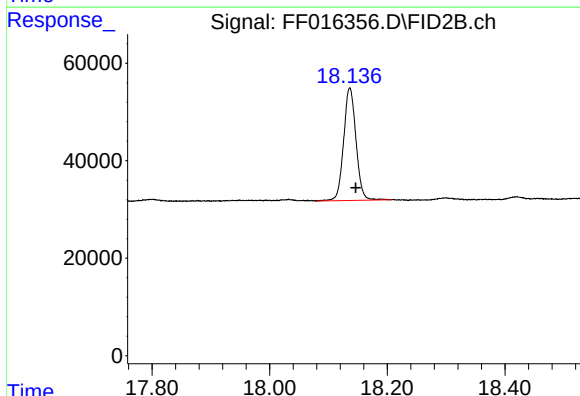
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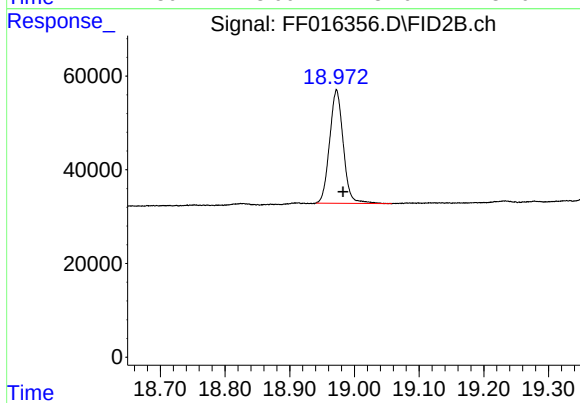
#16 n-Octacosane (C28)

R.T.: 17.246 min
Delta R.T.: -0.010 min
Response: 297268
Conc: 2.43 ug/ml



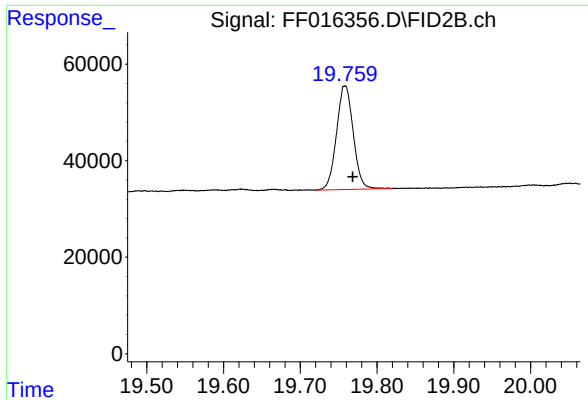
#17 n-Tricontane (C30)

R.T.: 18.136 min
Delta R.T.: -0.010 min
Response: 336684
Conc: 2.70 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.972 min
Delta R.T.: -0.010 min
Response: 354547
Conc: 2.94 ug/ml



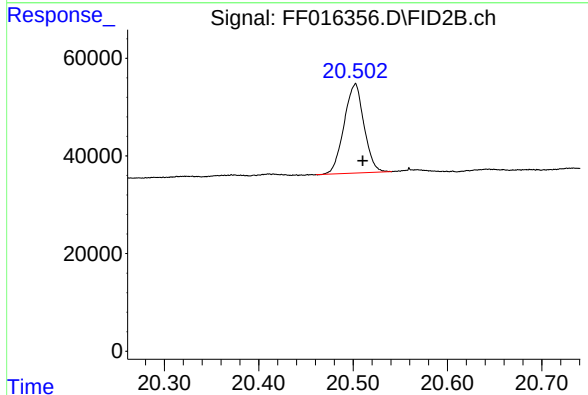
#19 n-Tetratriacontane (C34)

R.T.: 19.758 min
Delta R.T.: -0.010 min
Response: 325078
Conc: 2.98 ug/ml

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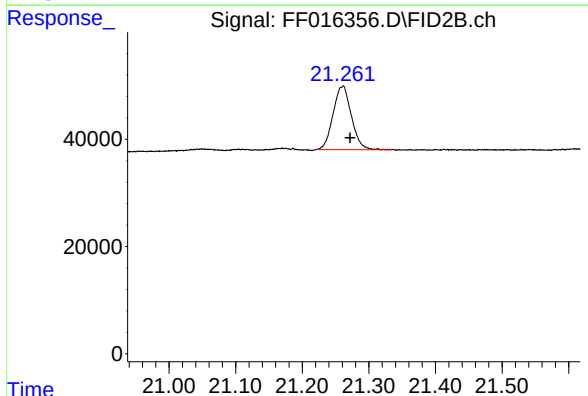
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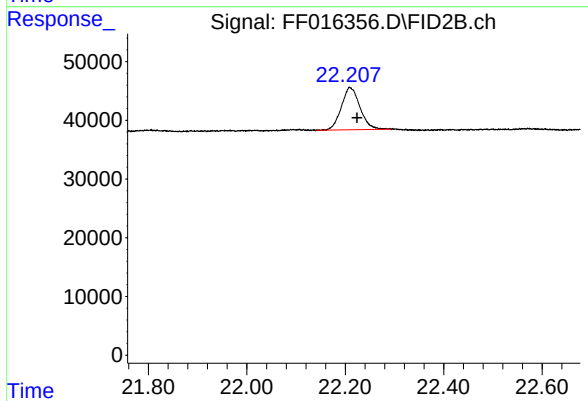
#20 n-Hexatriacontane (C36)

R.T.: 20.502 min
Delta R.T.: -0.008 min
Response: 267500
Conc: 2.87 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.260 min
Delta R.T.: -0.012 min
Response: 225873
Conc: 2.69 ug/ml



#22 n-Tetracontane (C40)

R.T.: 22.210 min
Delta R.T.: -0.014 min
Response: 189108
Conc: 2.41 ug/ml