

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101524AL\
 Data File : FE050686.D
 Signal(s) : FID1B.ch
 Acq On : 16 Oct 2024 00:01
 Operator : YP\AJ
 Sample : P4368-09
 Misc : 2.5 PPM WATER MDL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 MDL-WATER-03-QT4-2024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/16/2024
 Supervised By :Ankita Jodhani 10/16/2024

Integration File: autoint1.e
 Quant Time: Oct 16 02:50:20 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 07 16:32:18 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			
12) S 1-chlorooctadecane (S...	13.294	5352437	45.247 ug/ml
Spiked Amount 50.000		Recovery =	90.49%
Target Compounds			
1) T n-Nonane (C9)	3.250	173729	1.230 ug/ml
2) T n-Decane (C10)	4.498	209921	1.463 ug/mlm
4) T n-Dodecane (C12)	6.665	260979	1.813 ug/ml
6) T n-Tetradecane (C14)	8.491	258998	1.810 ug/ml
7) T n-Hexadecane (C16)	10.096	263130	1.788 ug/ml
8) T n-Octadecane (C18)	11.537	312328	2.091 ug/ml
10) T n-Eicosane (C20)	12.844	348707	2.432 ug/ml
11) T n-Heneicosane (C21)	13.455	313977	2.236 ug/ml
13) T n-Docosane (C22)	14.041	395108	2.816 ug/ml
14) T n-Tetracosane (C24)	15.142	516703	3.657 ug/ml
15) T n-Hexacosane (C26)	16.162	612970	4.356 ug/mlm
16) T n-Octacosane (C28)	17.109	670573	4.583 ug/mlm
17) T n-Tricontane (C30)	17.994	682992	4.295 ug/mlm
18) T n-Dotriacontane (C32)	18.827	624099	3.850 ug/ml
19) T n-Tetratriacontane (C34)	19.610	504545	3.435 ug/ml
20) T n-Hexatriacontane (C36)	20.349	417692	3.294 ug/ml
21) T n-Octatriacontane (C38)	21.074	380871	3.080 ug/ml
22) T n-Tetracontane (C40)	21.957	298426	2.680 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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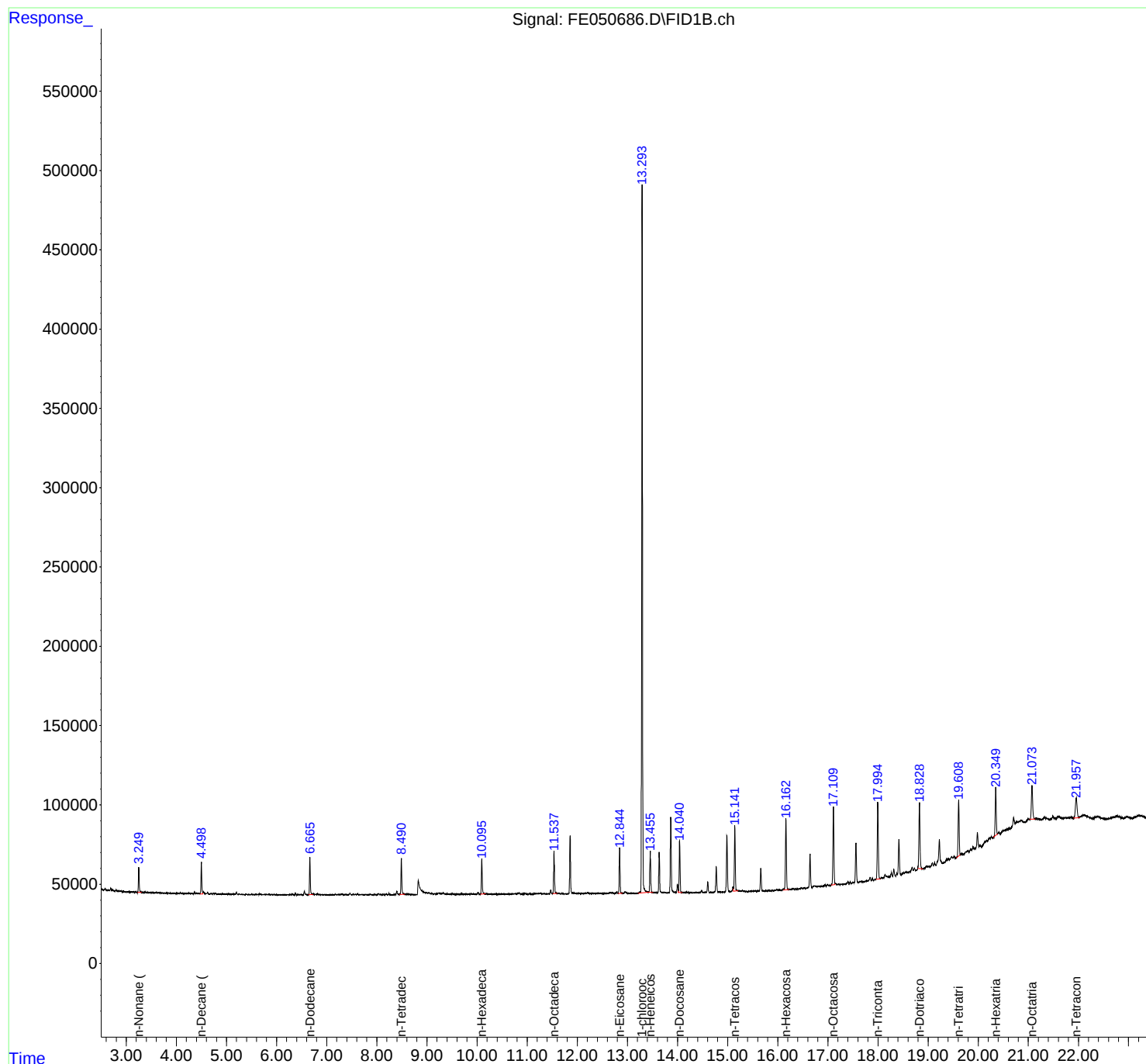
Instrument :
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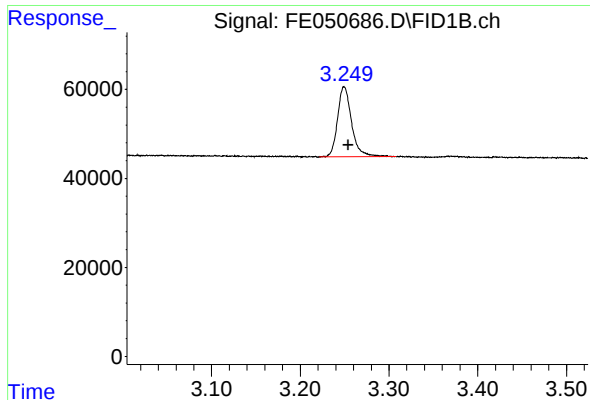
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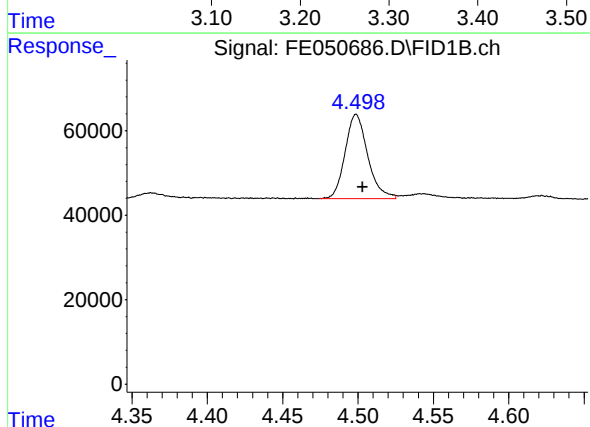
#1 n-Nonane (C9)

R.T.: 3.250 min
Delta R.T.: -0.004 min
Response: 173729
Conc: 1.23 ug/ml

Instrument :
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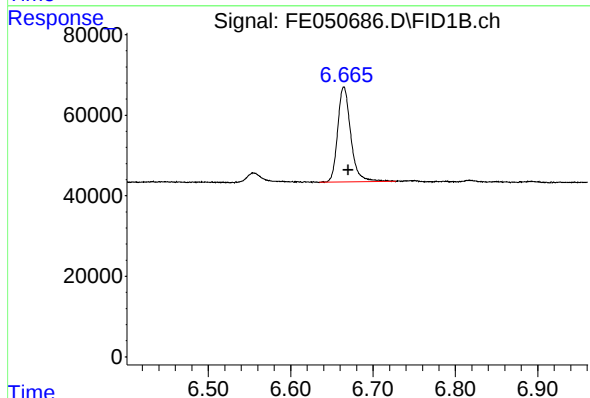
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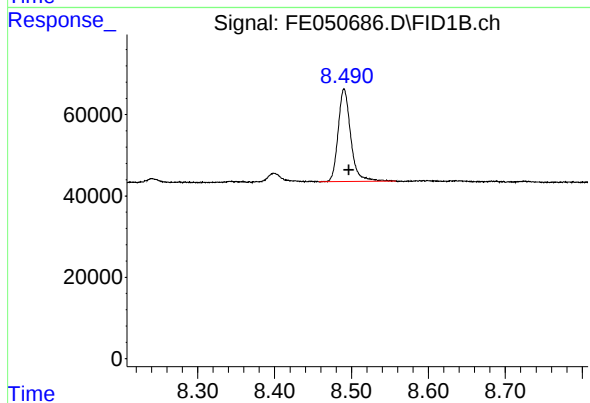
#2 n-Decane (C10)

R.T.: 4.498 min
Delta R.T.: -0.005 min
Response: 209921
Conc: 1.46 ug/ml m



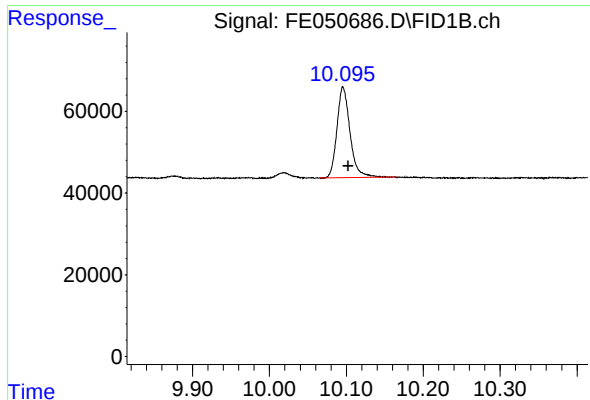
#4 n-Dodecane (C12)

R.T.: 6.665 min
Delta R.T.: -0.005 min
Response: 260979
Conc: 1.81 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.491 min
Delta R.T.: -0.006 min
Response: 258998
Conc: 1.81 ug/ml



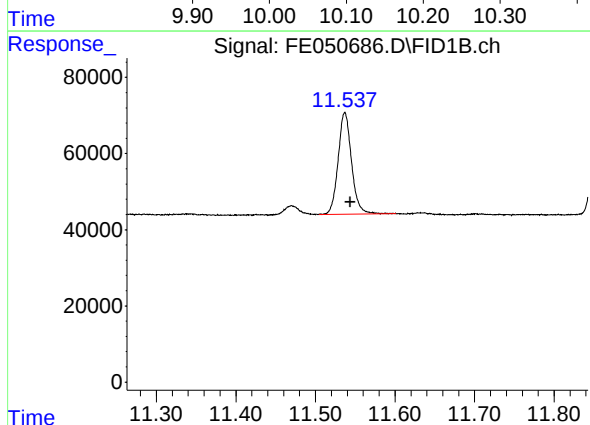
#7 n-Hexadecane (C16)

R.T.: 10.096 min
Delta R.T.: -0.006 min
Response: 263130
Conc: 1.79 ug/ml

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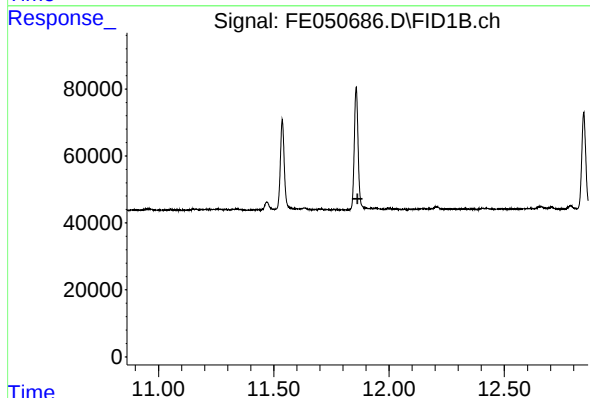
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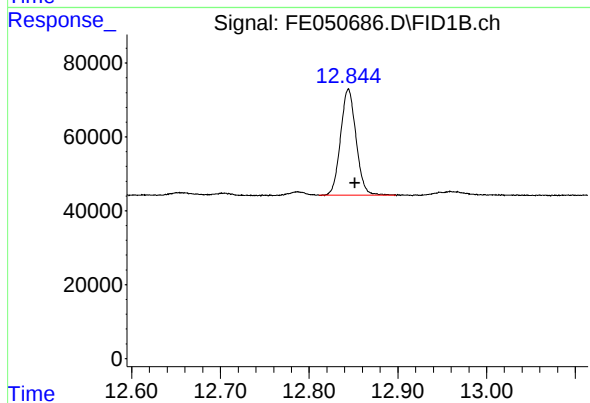
#8 n-Octadecane (C18)

R.T.: 11.537 min
Delta R.T.: -0.007 min
Response: 312328
Conc: 2.09 ug/ml



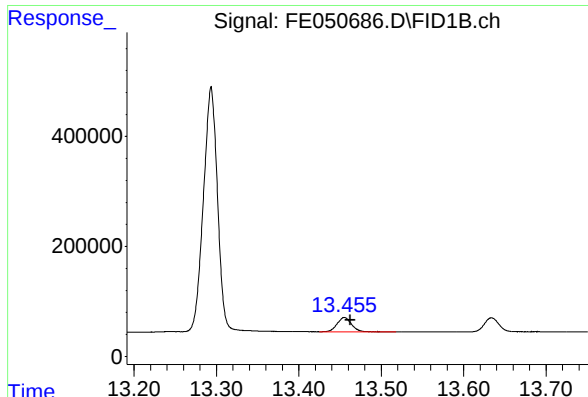
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.863 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.844 min
Delta R.T.: -0.007 min
Response: 348707
Conc: 2.43 ug/ml



#11 n-Heneicosane (C21)

R.T.: 13.455 min
Delta R.T.: -0.007 min
Response: 313977
Conc: 2.24 ug/ml

Instrument :

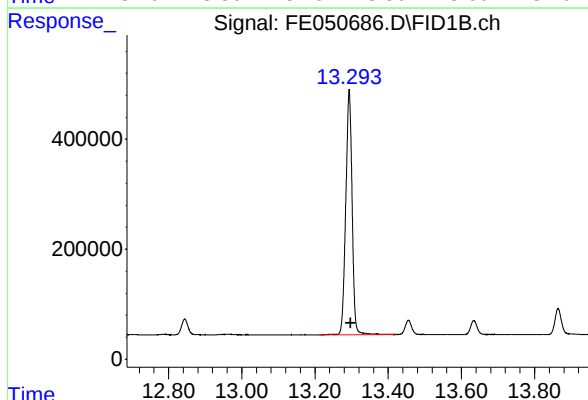
FID_E

ClientSampleId :

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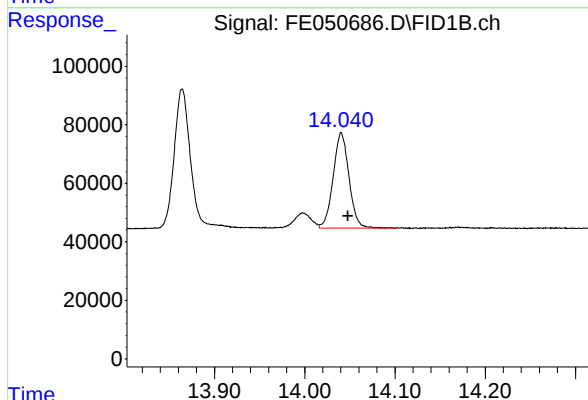
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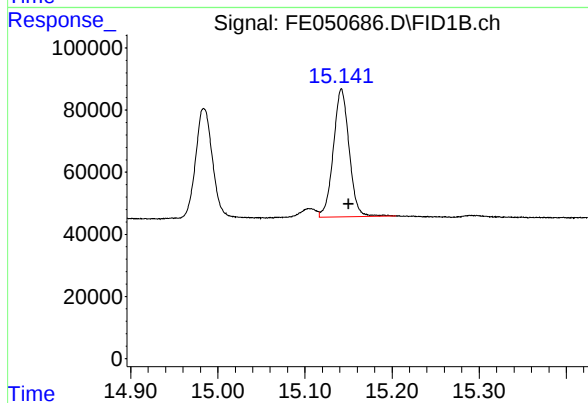
#12 1-chlorooctadecane (SURR)

R.T.: 13.294 min
Delta R.T.: -0.004 min
Response: 5352437
Conc: 45.25 ug/ml



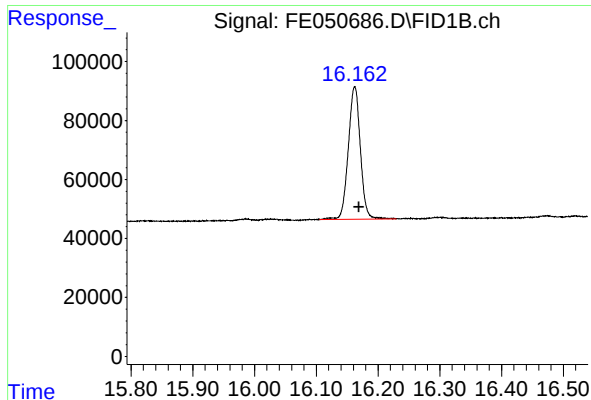
#13 n-Docosane (C22)

R.T.: 14.041 min
Delta R.T.: -0.007 min
Response: 395108
Conc: 2.82 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.142 min
Delta R.T.: -0.008 min
Response: 516703
Conc: 3.66 ug/ml



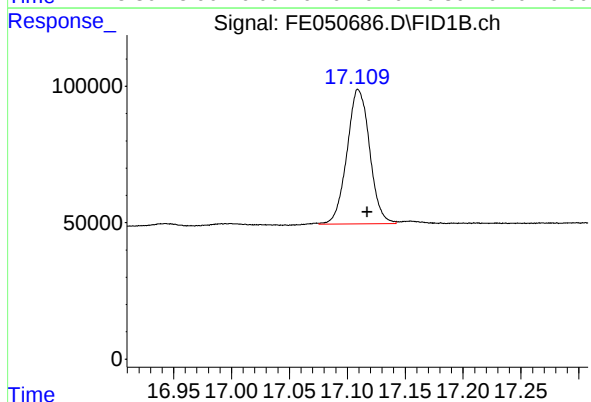
#15 n-Hexacosane (C26)

R.T.: 16.162 min
Delta R.T.: -0.007 min
Response: 612970
Conc: 4.36 ug/ml

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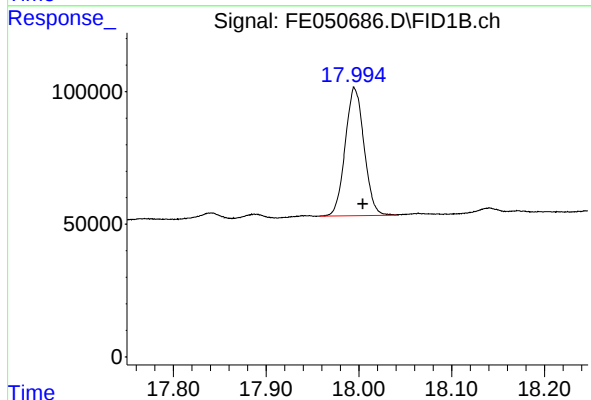
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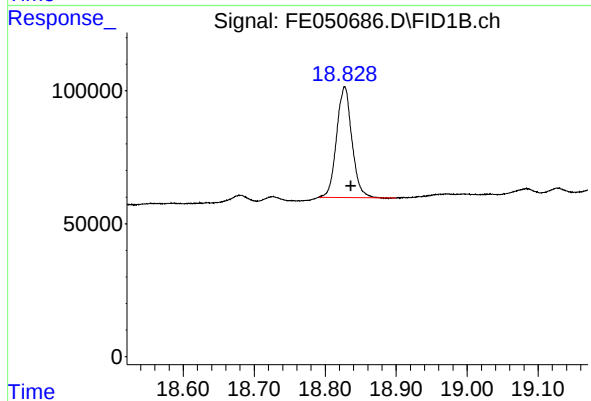
#16 n-Octacosane (C28)

R.T.: 17.109 min
Delta R.T.: -0.009 min
Response: 670573
Conc: 4.58 ug/ml m



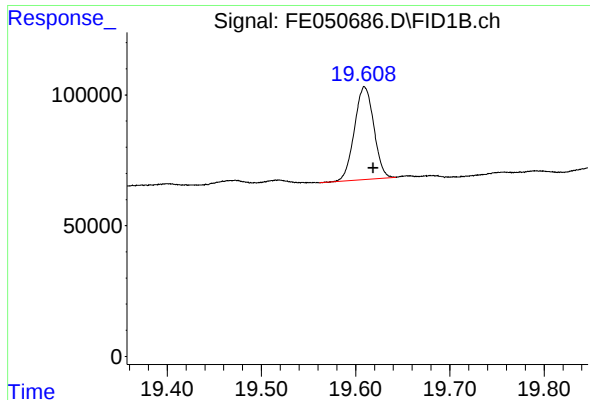
#17 n-Tricontane (C30)

R.T.: 17.994 min
Delta R.T.: -0.010 min
Response: 682992
Conc: 4.30 ug/ml m



#18 n-Dotriacontane (C32)

R.T.: 18.827 min
Delta R.T.: -0.009 min
Response: 624099
Conc: 3.85 ug/ml



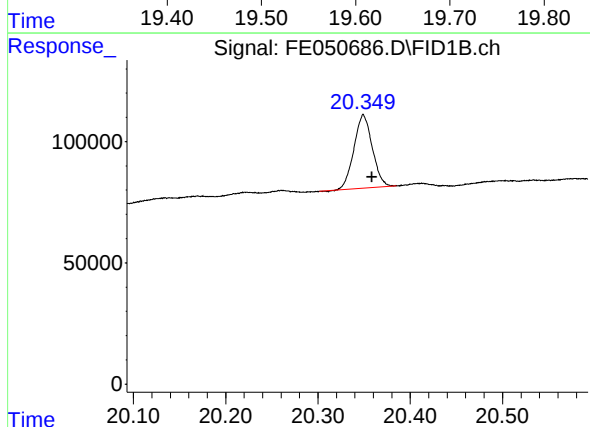
#19 n-Tetratriacontane (C34)

R.T.: 19.610 min
Delta R.T.: -0.009 min
Response: 504545
Conc: 3.43 ug/ml

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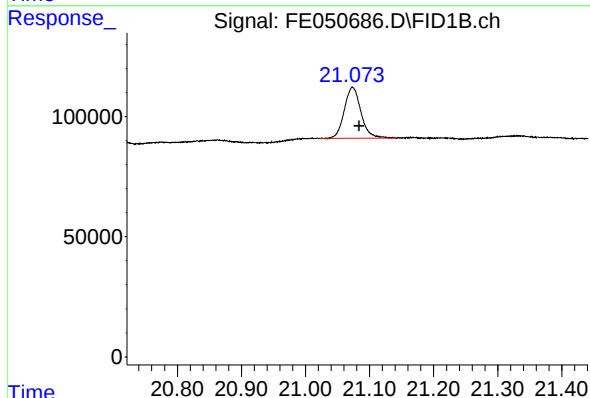
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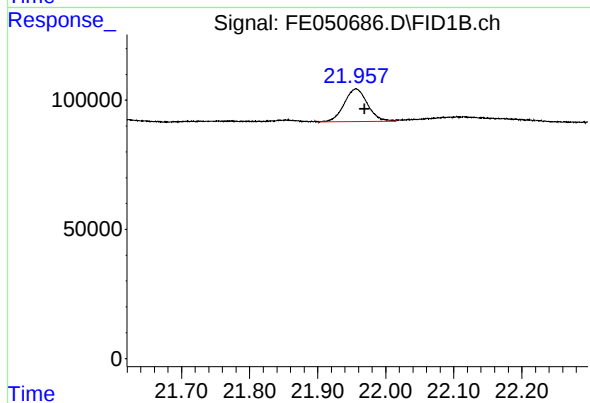
#20 n-Hexatriacontane (C36)

R.T.: 20.349 min
Delta R.T.: -0.009 min
Response: 417692
Conc: 3.29 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.074 min
Delta R.T.: -0.011 min
Response: 380871
Conc: 3.08 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.957 min
Delta R.T.: -0.012 min
Response: 298426
Conc: 2.68 ug/ml m