

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE051024AL\
 Data File : FE048105.D
 Signal(s) : FID1B.ch
 Acq On : 11 May 2024 02:10
 Operator : YP\AJ
 Sample : P2403-07
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/13/2024
 Supervised By :Ankita Jodhani 05/13/2024

Integration File: autoint1.e
 Quant Time: May 11 02:33:32 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 042724.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 29 03:29:12 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...	13.395	4951497	44.312 ug/ml
Spiked Amount 50.000		Recovery =	88.62%
Target Compounds			
1) T n-Nonane (C9)	3.348	254042	1.971 ug/ml
2) T n-Decane (C10)	4.596	315916	2.400 ug/ml
4) T n-Dodecane (C12)	6.760	485141	3.639 ug/ml
6) T n-Tetradecane (C14)	8.588	380873	2.874 ug/ml
7) T n-Hexadecane (C16)	10.195	389259	2.830 ug/ml
8) T n-Octadecane (C18)	11.637	425786	3.057 ug/ml
10) T n-Eicosane (C20)	12.947	465966	3.461 ug/ml
11) T n-Heneicosane (C21)	13.558	431328	3.258 ug/ml
13) T n-Docosane (C22)	14.145	459328	3.466 ug/ml
14) T n-Tetracosane (C24)	15.245	539695	4.053 ug/ml
15) T n-Hexacosane (C26)	16.267	502208	3.763 ug/ml
16) T n-Octacosane (C28)	17.215	545045	4.094 ug/ml
17) T n-Tricontane (C30)	18.101	644886	4.673 ug/ml
18) T n-Dotriacontane (C32)	18.935	912955	6.610 ug/ml
19) T n-Tetratriacontane (C34)	19.715	651115	4.780 ug/mlm
20) T n-Hexatriacontane (C36)	20.456	591874	4.371 ug/ml
21) T n-Octatriacontane (C38)	21.194	580717	4.206 ug/ml
22) T n-Tetracontane (C40)	22.116	620349	4.453 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP\AJ
Sample : P2403-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

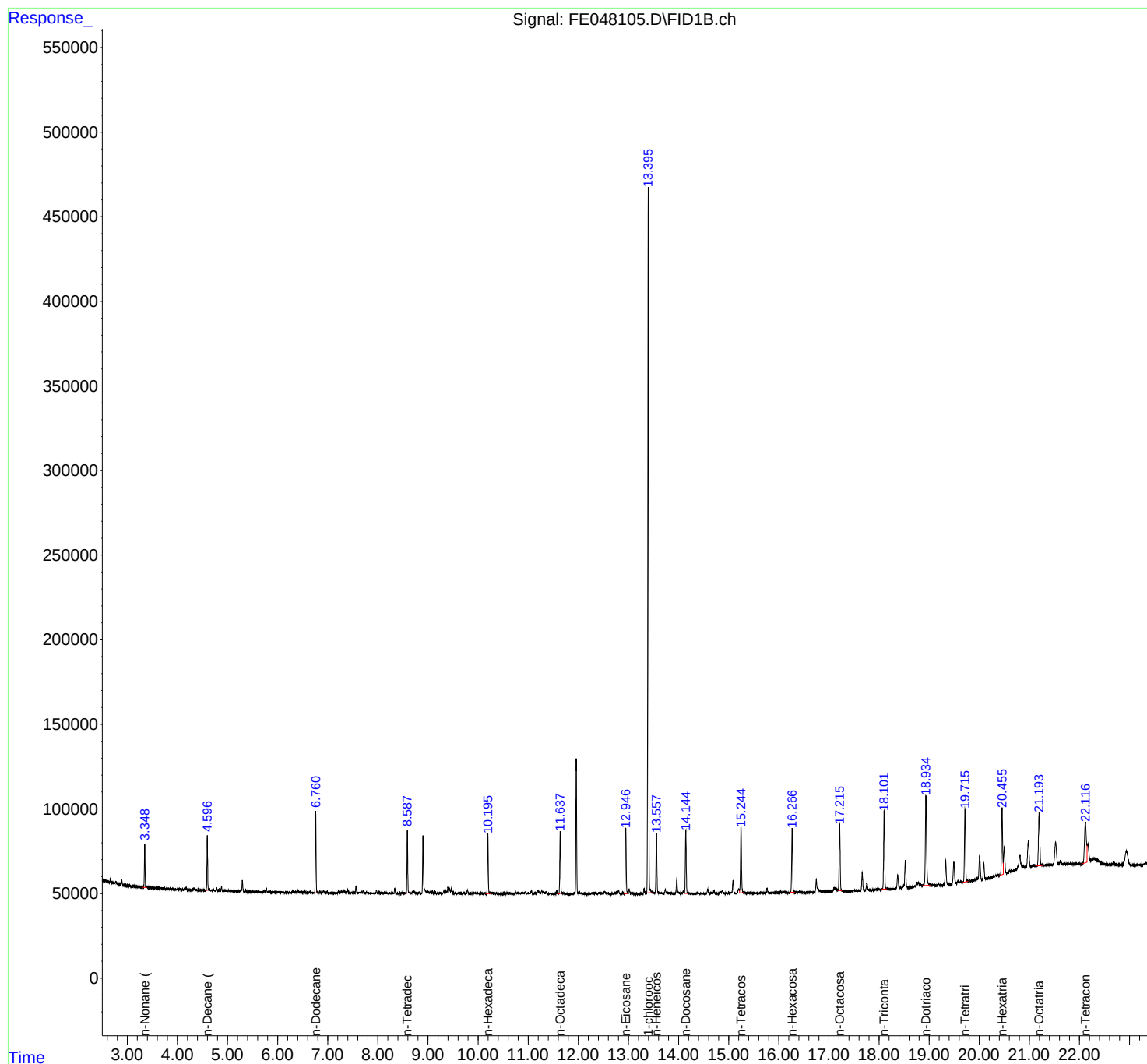
Instrument :
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ClientSampleId :
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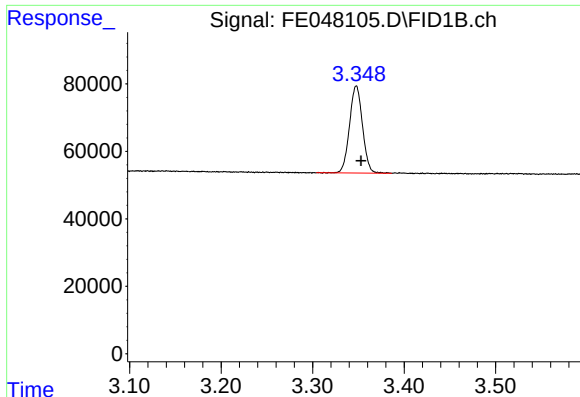
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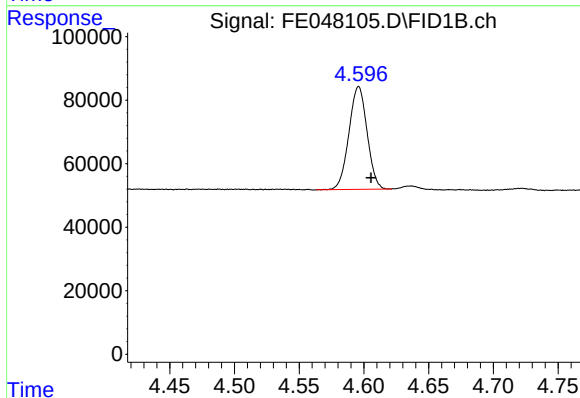
#1 n-Nonane (C9)

R.T.: 3.348 min
Delta R.T.: -0.005 min
Response: 254042
Conc: 1.97 ug/ml

Instrument : FID_E
ClientSampleId : LOD-MDL-WATER-01-QT2-2024

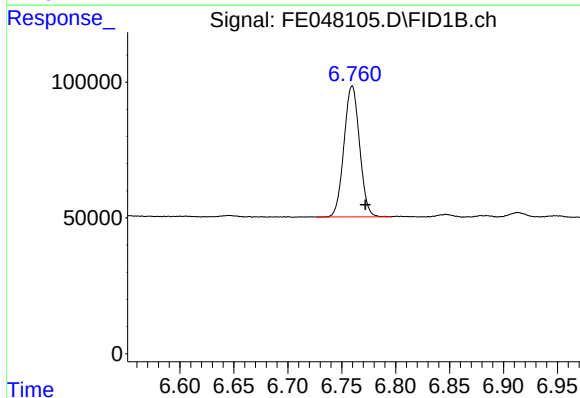
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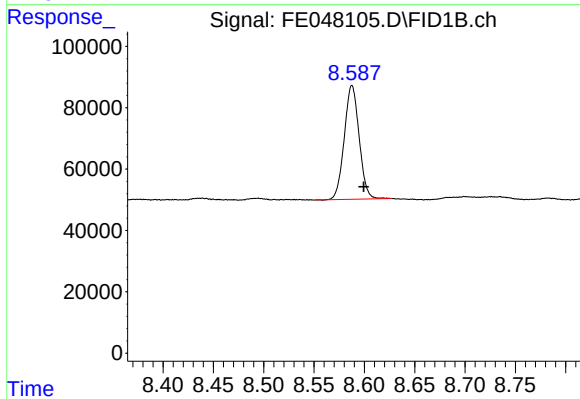
#2 n-Decane (C10)

R.T.: 4.596 min
Delta R.T.: -0.010 min
Response: 315916
Conc: 2.40 ug/ml



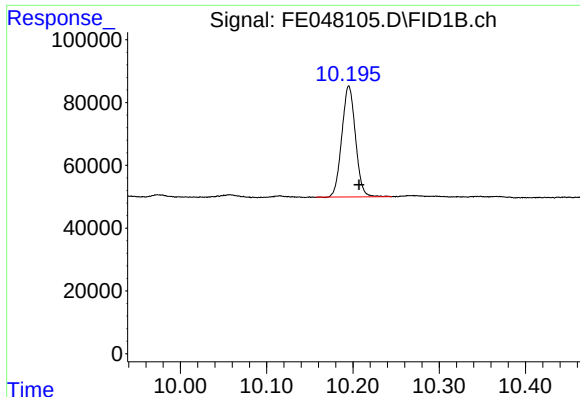
#4 n-Dodecane (C12)

R.T.: 6.760 min
Delta R.T.: -0.012 min
Response: 485141
Conc: 3.64 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.588 min
Delta R.T.: -0.012 min
Response: 380873
Conc: 2.87 ug/ml



#7 n-Hexadecane (C16)

R.T.: 10.195 min
Delta R.T.: -0.012 min
Response: 389259
Conc: 2.83 ug/ml

Instrument :

FID_E

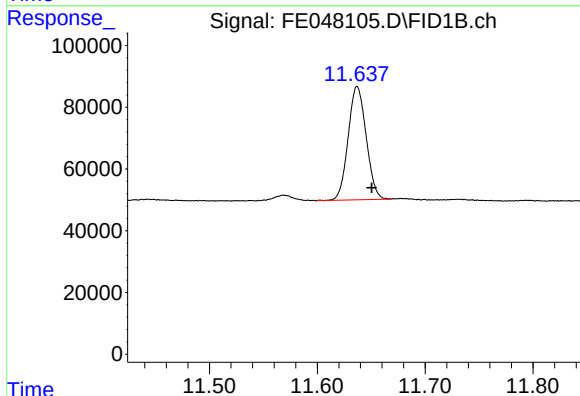
ClientSampleId :

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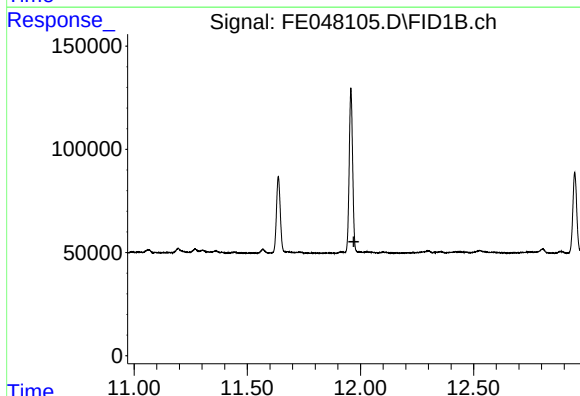
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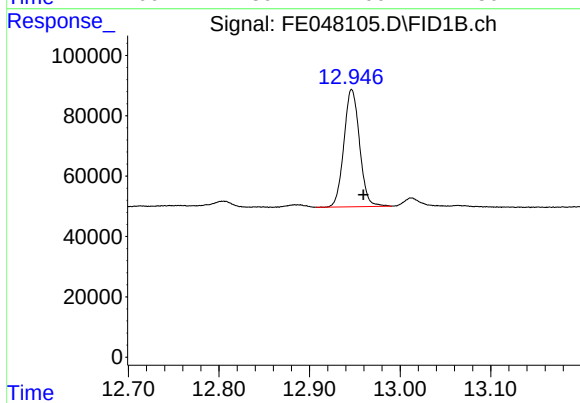
#8 n-Octadecane (C18)

R.T.: 11.637 min
Delta R.T.: -0.014 min
Response: 425786
Conc: 3.06 ug/ml



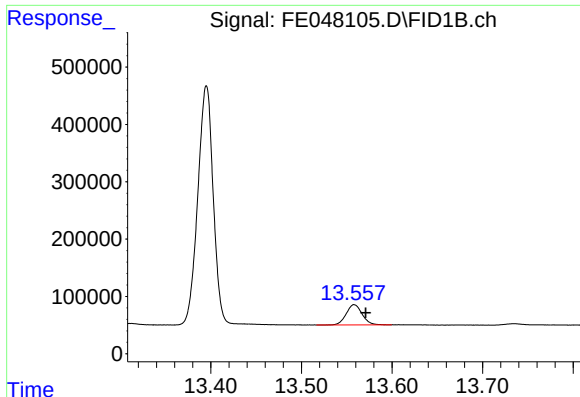
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.971 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.947 min
Delta R.T.: -0.013 min
Response: 465966
Conc: 3.46 ug/ml



#11 n-Heneicosane (C21)

R.T.: 13.558 min
Delta R.T.: -0.013 min
Response: 431328
Conc: 3.26 ug/ml

Instrument :

FID_E

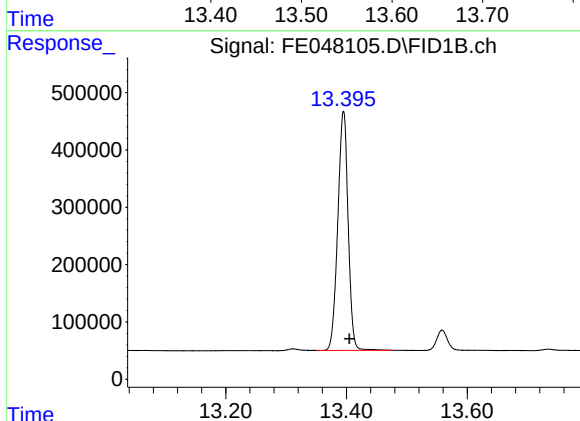
ClientSampleId :

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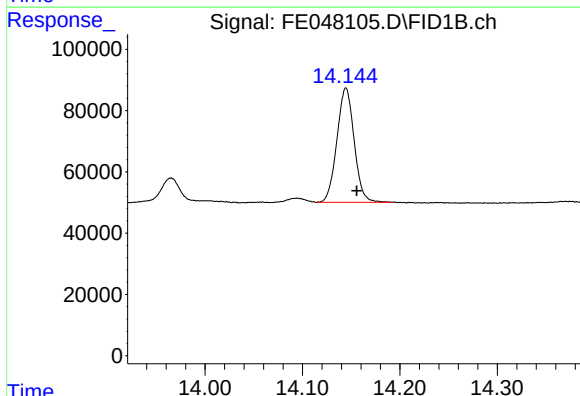
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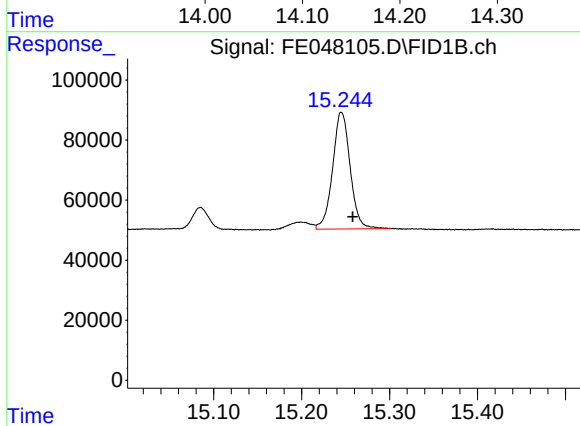
#12 1-chlorooctadecane (SURR)

R.T.: 13.395 min
Delta R.T.: -0.010 min
Response: 4951497
Conc: 44.31 ug/ml



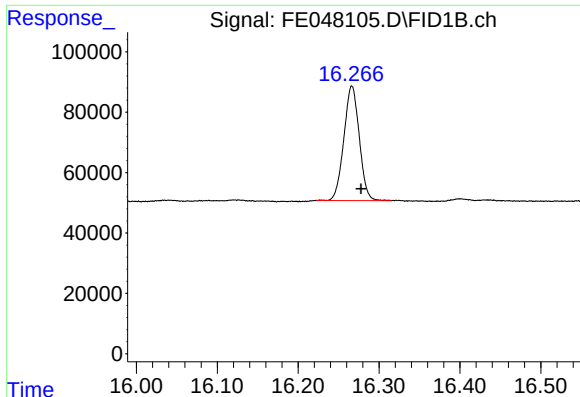
#13 n-Docosane (C22)

R.T.: 14.145 min
Delta R.T.: -0.011 min
Response: 459328
Conc: 3.47 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.245 min
Delta R.T.: -0.013 min
Response: 539695
Conc: 4.05 ug/ml



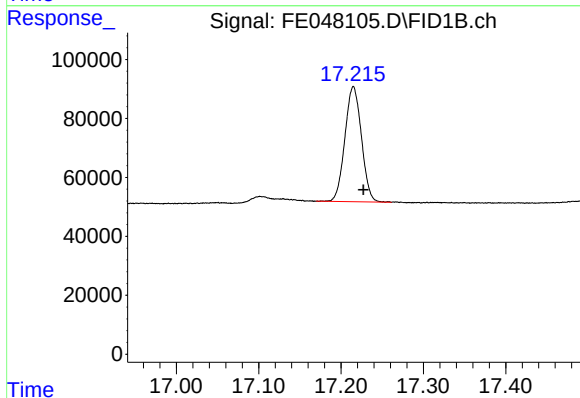
#15 n-Hexacosane (C26)

R.T.: 16.267 min
Delta R.T.: -0.011 min
Response: 502208
Conc: 3.76 ug/ml

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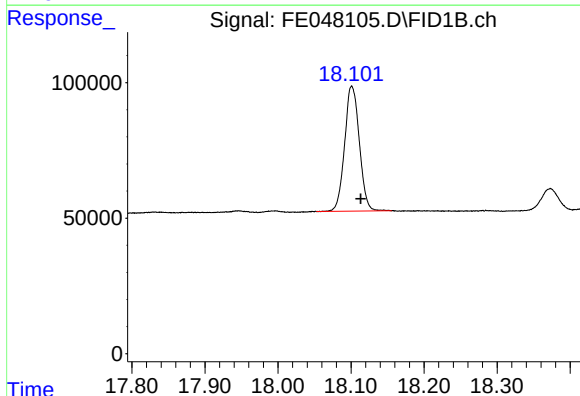
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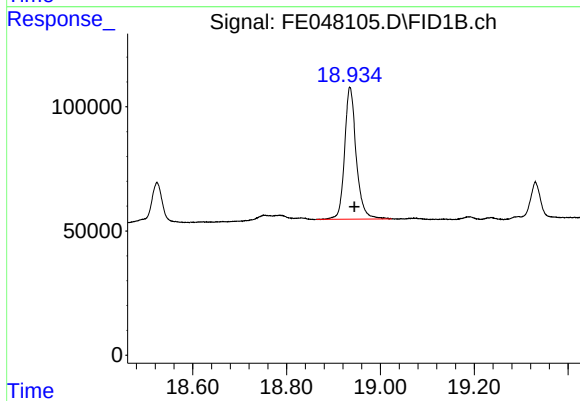
#16 n-Octacosane (C28)

R.T.: 17.215 min
Delta R.T.: -0.012 min
Response: 545045
Conc: 4.09 ug/ml



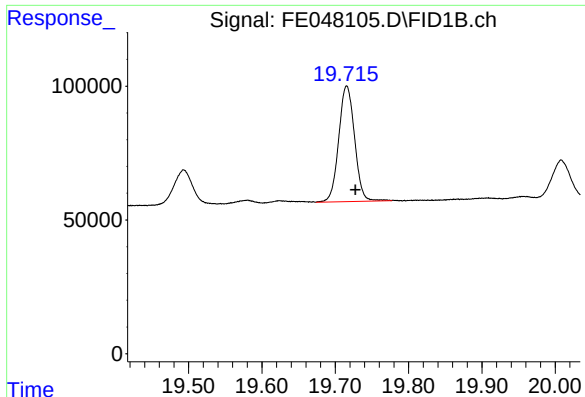
#17 n-Tricontane (C30)

R.T.: 18.101 min
Delta R.T.: -0.012 min
Response: 644886
Conc: 4.67 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.935 min
Delta R.T.: -0.010 min
Response: 912955
Conc: 6.61 ug/ml



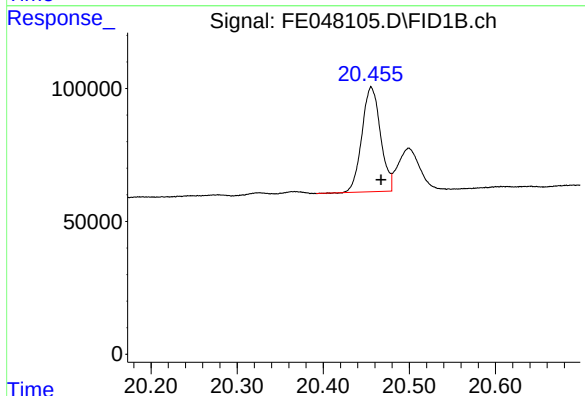
#19 n-Tetratriacontane (C34)

R.T.: 19.715 min
Delta R.T.: -0.013 min
Response: 651115
Conc: 4.78 ug/ml

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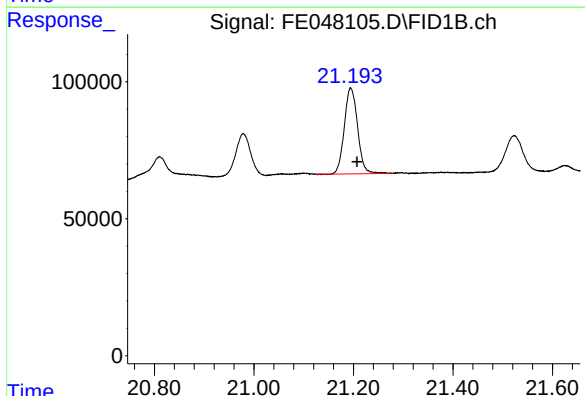
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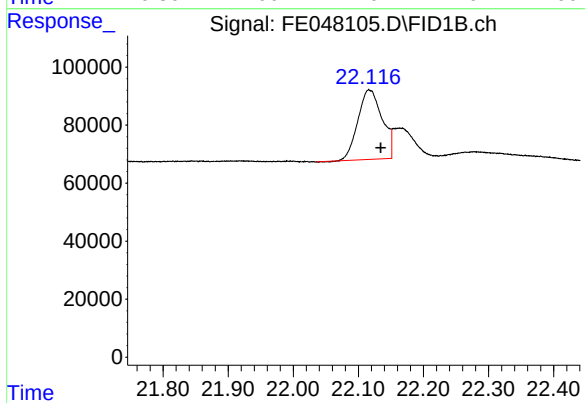
#20 n-Hexatriacontane (C36)

R.T.: 20.456 min
Delta R.T.: -0.012 min
Response: 591874
Conc: 4.37 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.194 min
Delta R.T.: -0.013 min
Response: 580717
Conc: 4.21 ug/ml



#22 n-Tetracontane (C40)

R.T.: 22.116 min
Delta R.T.: -0.018 min
Response: 620349
Conc: 4.45 ug/ml