

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE051124AL\
 Data File : FE048147.D
 Signal(s) : FID1B.ch
 Acq On : 12 May 2024 09:38
 Operator : YP\AJ
 Sample : P2403-03
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 MDL-SOIL-03-QT2-2024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/14/2024
 Supervised By :Ankita Jodhani 05/14/2024

Integration File: autoint1.e
 Quant Time: May 14 02:15:23 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...	13.392	5042253	45.124 ug/ml
Spiked Amount 50.000		Recovery =	90.25%
Target Compounds			
1) T n-Nonane (C9)	3.346	270147	2.096 ug/ml
2) T n-Decane (C10)	4.594	330958	2.514 ug/ml
4) T n-Dodecane (C12)	6.758	507344	3.806 ug/ml
6) T n-Tetradecane (C14)	8.585	397648	3.001 ug/ml
7) T n-Hexadecane (C16)	10.192	395462	2.875 ug/ml
8) T n-Octadecane (C18)	11.635	448204	3.218 ug/ml
10) T n-Eicosane (C20)	12.943	475763	3.533 ug/ml
11) T n-Heneicosane (C21)	13.555	434960	3.286 ug/ml
13) T n-Docosane (C22)	14.141	468409	3.535 ug/ml
14) T n-Tetracosane (C24)	15.242	562962	4.228 ug/ml
15) T n-Hexacosane (C26)	16.263	534480	4.005 ug/ml
16) T n-Octacosane (C28)	17.211	578377	4.344 ug/ml
17) T n-Tricontane (C30)	18.098	675043	4.891 ug/ml
18) T n-Dotriacontane (C32)	18.928	794617	5.753 ug/ml
19) T n-Tetratriacontane (C34)	19.712	690879	5.072 ug/mlm
20) T n-Hexatriacontane (C36)	20.449	561830	4.149 ug/mlm
21) T n-Octatriacontane (C38)	21.190	584019	4.230 ug/ml
22) T n-Tetracontane (C40)	22.111	649541	4.662 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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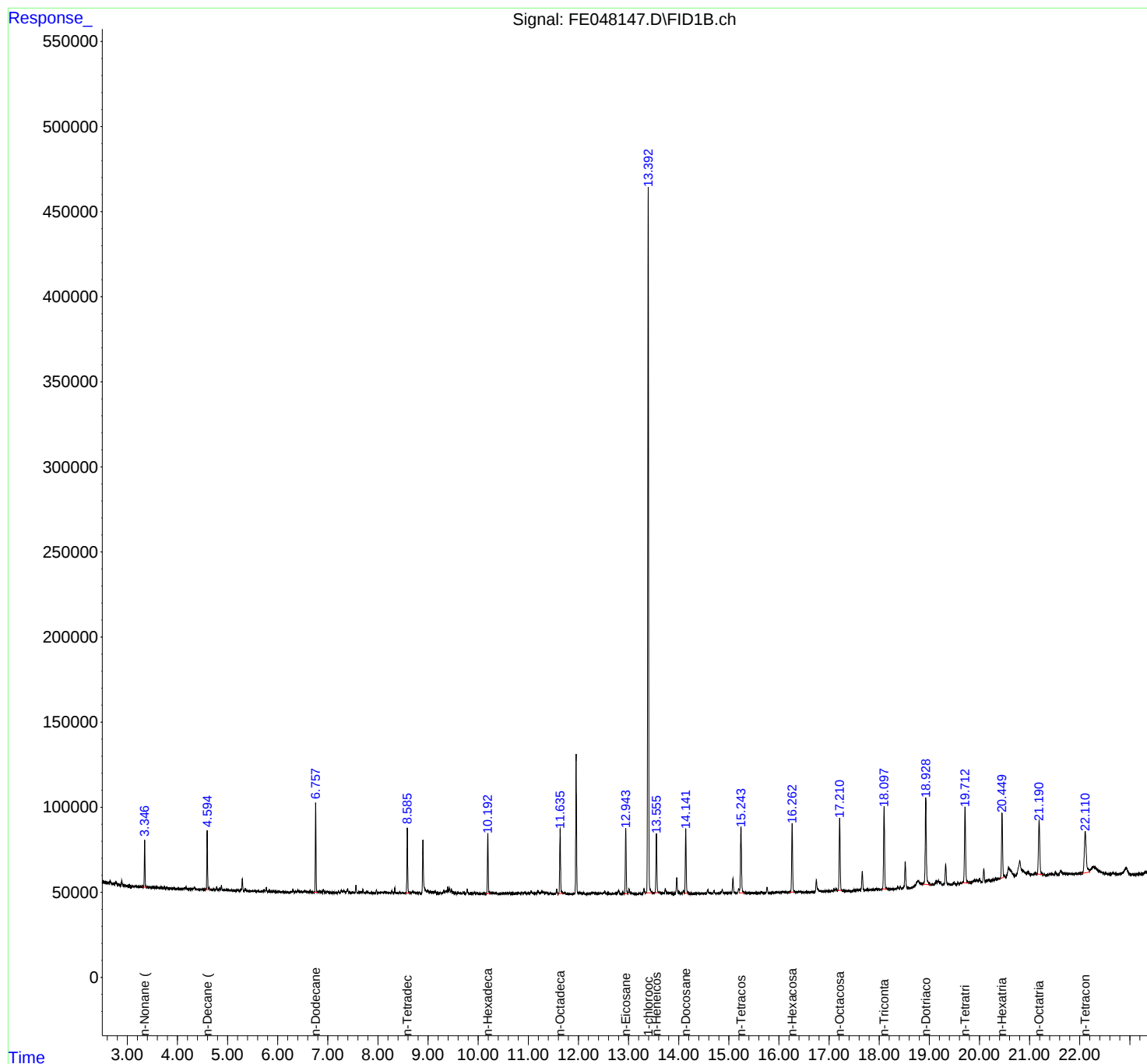
Instrument :
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ClientSampleId :
MDL-SOIL-03-QT2-2024

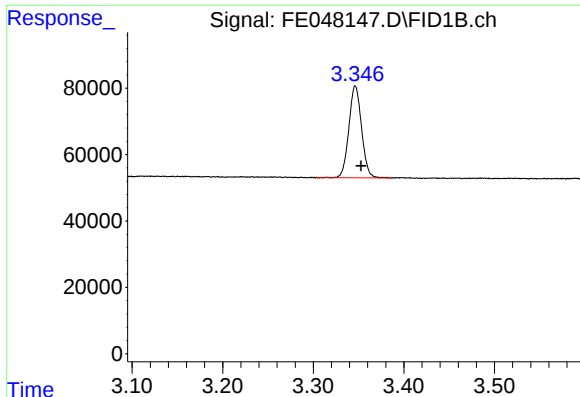
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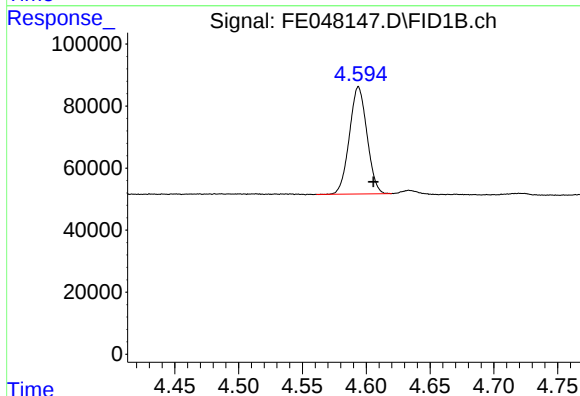
#1 n-Nonane (C9)

R.T.: 3.346 min
Delta R.T.: -0.007 min
Response: 270147
Conc: 2.10 ug/ml

Instrument :
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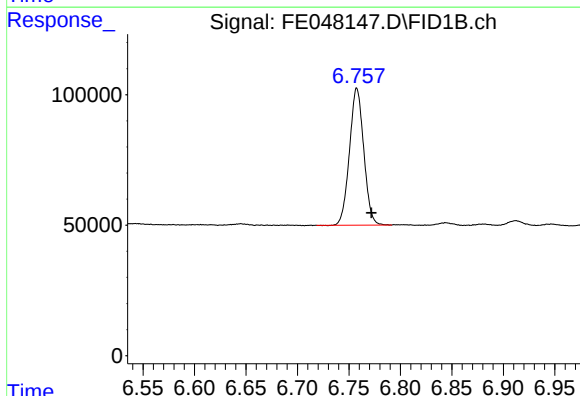
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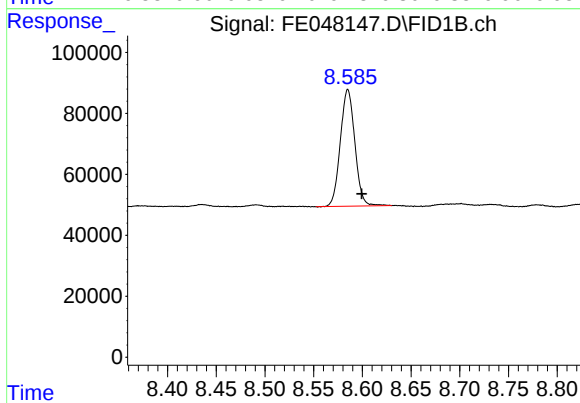
#2 n-Decane (C10)

R.T.: 4.594 min
Delta R.T.: -0.012 min
Response: 330958
Conc: 2.51 ug/ml



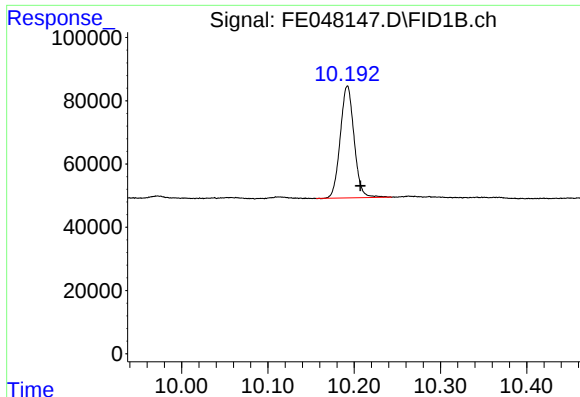
#4 n-Dodecane (C12)

R.T.: 6.758 min
Delta R.T.: -0.014 min
Response: 507344
Conc: 3.81 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.585 min
Delta R.T.: -0.014 min
Response: 397648
Conc: 3.00 ug/ml



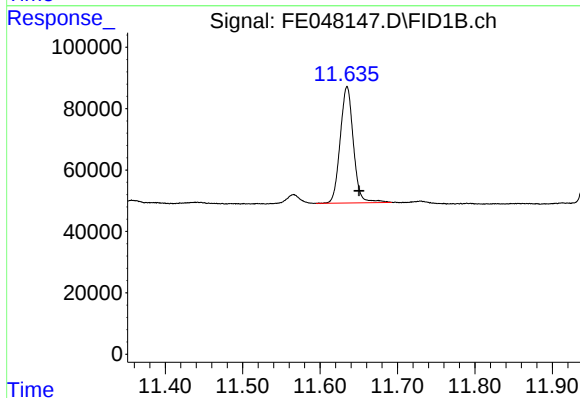
#7 n-Hexadecane (C16)

R.T.: 10.192 min
Delta R.T.: -0.015 min
Response: 395462
Conc: 2.88 ug/ml

Instrument :
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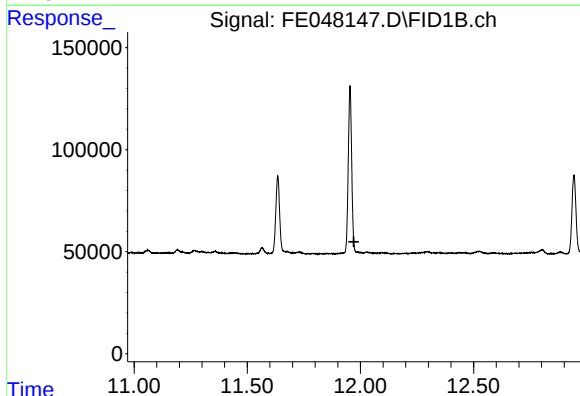
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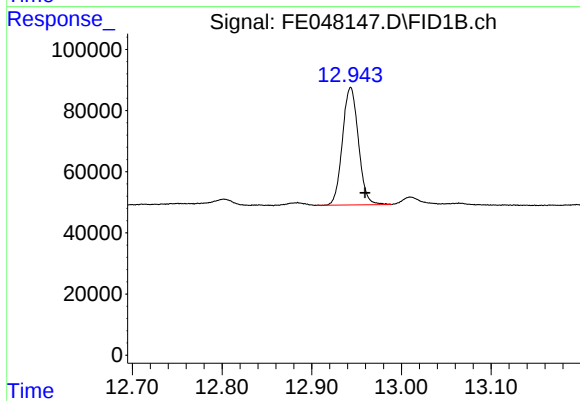
#8 n-Octadecane (C18)

R.T.: 11.635 min
Delta R.T.: -0.016 min
Response: 448204
Conc: 3.22 ug/ml



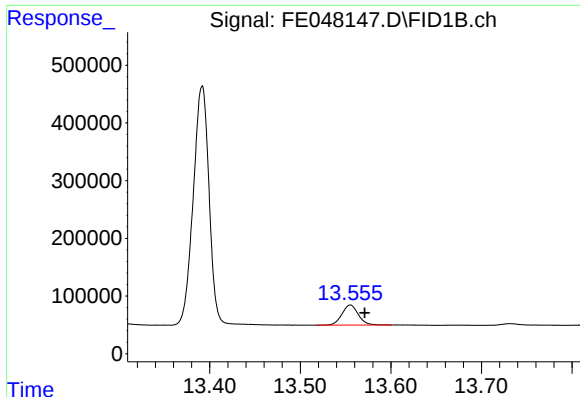
#9 ortho-Terphenyl (SURR)

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



#10 n-Eicosane (C20)

R.T.: 12.943 min
Delta R.T.: -0.016 min
Response: 475763
Conc: 3.53 ug/ml



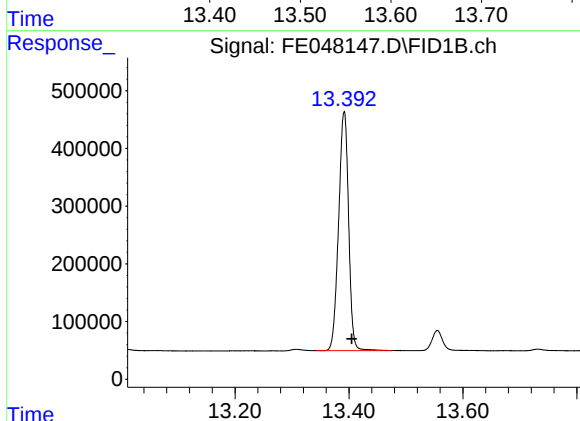
#11 n-Heneicosane (C21)

R.T.: 13.555 min
Delta R.T.: -0.016 min
Response: 434960
Conc: 3.29 ug/ml

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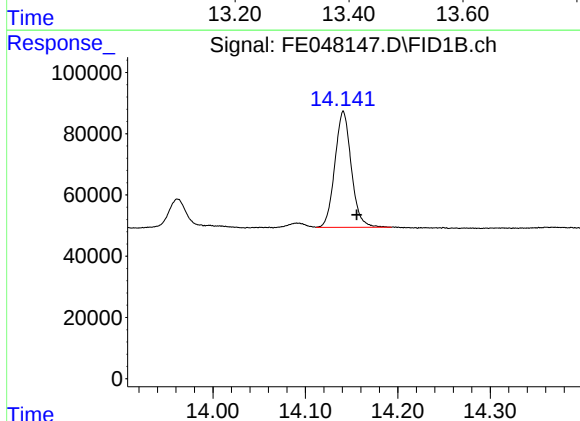
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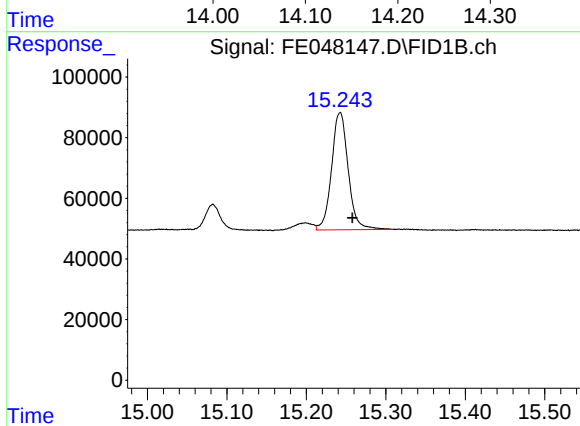
#12 1-chlorooctadecane (SURR)

R.T.: 13.392 min
Delta R.T.: -0.013 min
Response: 5042253
Conc: 45.12 ug/ml



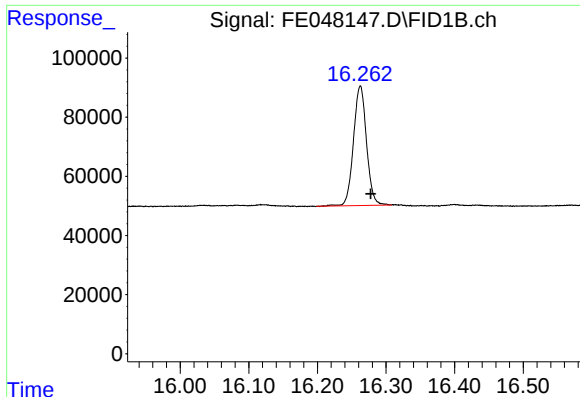
#13 n-Docosane (C22)

R.T.: 14.141 min
Delta R.T.: -0.014 min
Response: 468409
Conc: 3.53 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.242 min
Delta R.T.: -0.015 min
Response: 562962
Conc: 4.23 ug/ml



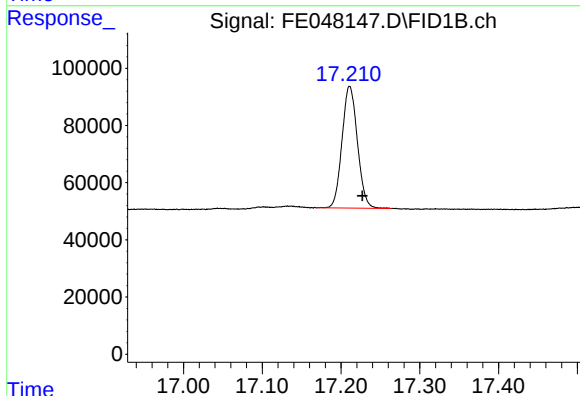
#15 n-Hexacosane (C26)

R.T.: 16.263 min
Delta R.T.: -0.015 min
Response: 534480
Conc: 4.01 ug/ml

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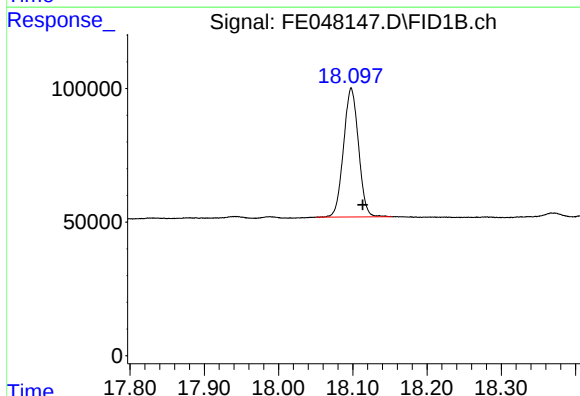
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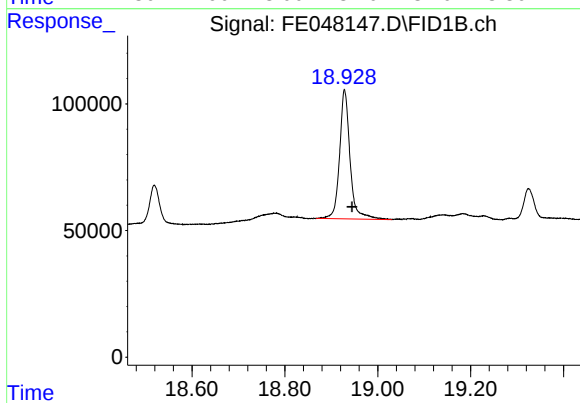
#16 n-Octacosane (C28)

R.T.: 17.211 min
Delta R.T.: -0.016 min
Response: 578377
Conc: 4.34 ug/ml



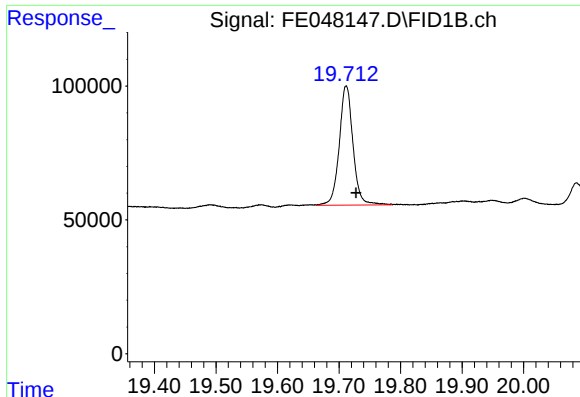
#17 n-Tricontane (C30)

R.T.: 18.098 min
Delta R.T.: -0.015 min
Response: 675043
Conc: 4.89 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.928 min
Delta R.T.: -0.016 min
Response: 794617
Conc: 5.75 ug/ml



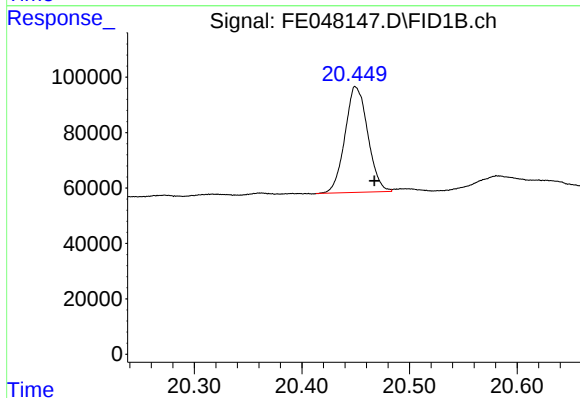
#19 n-Tetratriacontane (C34)

R.T.: 19.712 min
Delta R.T.: -0.016 min
Response: 690879
Conc: 5.07 ug/ml

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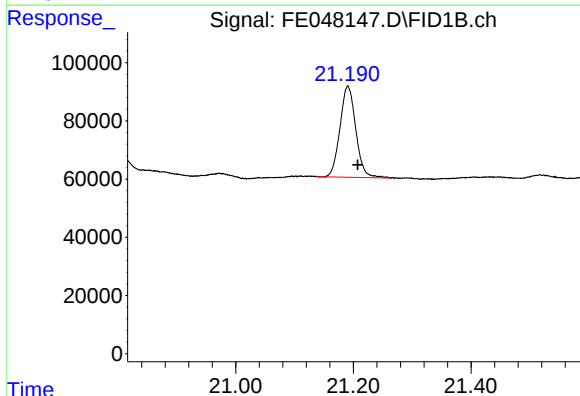
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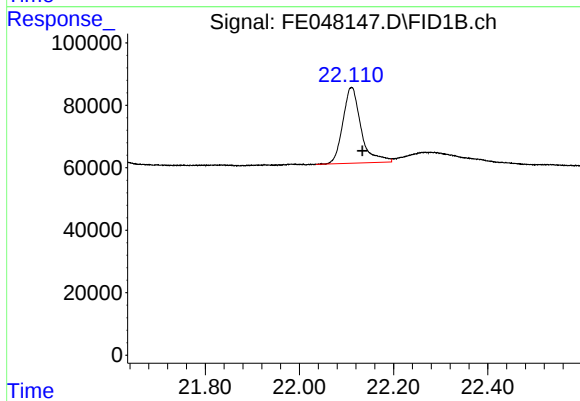
#20 n-Hexatriacontane (C36)

R.T.: 20.449 min
Delta R.T.: -0.018 min
Response: 561830
Conc: 4.15 ug/ml m



#21 n-Octatriacontane (C38)

R.T.: 21.190 min
Delta R.T.: -0.017 min
Response: 584019
Conc: 4.23 ug/ml



#22 n-Tetracontane (C40)

R.T.: 22.111 min
Delta R.T.: -0.023 min
Response: 649541
Conc: 4.66 ug/ml