

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081022AL\
 Data File : FE036984.D
 Signal(s) : FID1B.ch
 Acq On : 10 Aug 2022 14:44
 Operator : YP\AJ
 Sample : N3980-01
 Misc : 4 PPM SOIL LOD
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2022

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/10/2022
 Supervised By :Ankita Jodhani 08/11/2022

Integration File: sample.E
 Quant Time: Aug 10 15:20:25 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 071722.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 18 02:35:21 2022
 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			
9) S ortho-Terphenyl (SURR)	11.829	108976	0.585 ug/ml
Spiked Amount 50.000		Recovery =	1.17%
12) S 1-chlorooctadecane (S...	13.272	3612766	23.746 ug/ml
Spiked Amount 50.000		Recovery =	47.49%
Target Compounds			
1) T n-Nonane (C9)	3.219	328709	2.132 ug/ml
2) T n-Decane (C10)	4.474	406702	2.638 ug/ml
4) T n-Dodecane (C12)	6.642	508670	3.239 ug/ml
6) T n-Tetradecane (C14)	8.469	533376	3.267 ug/ml
7) T n-Hexadecane (C16)	10.075	469848	2.851 ug/ml
8) T n-Octadecane (C18)	11.516	506294	2.979 ug/ml
10) T n-Eicosane (C20)	12.825	512980	3.016 ug/ml
11) T n-Heneicosane (C21)	13.437	509215	2.975 ug/ml
13) T n-Docosane (C22)	14.025	503564	2.949 ug/ml
14) T n-Tetracosane (C24)	15.127	537232	3.152 ug/ml
15) T n-Hexacosane (C26)	16.149	488377	2.921 ug/ml
16) T n-Octacosane (C28)	17.101	481613	2.949 ug/ml
17) T n-Tricontane (C30)	17.988	481819	3.171 ug/ml
18) T n-Dotriacontane (C32)	18.821	480917	3.999 ug/ml
19) T n-Tetratriacontane (C34)	19.605	466977	5.608 ug/mlm
20) T n-Hexatriacontane (C36)	20.348	458523	7.809 ug/mlm
21) T n-Octatriacontane (C38)	21.074	483556	9.645 ug/ml
22) T n-Tetracontane (C40)	21.953	472428	9.148 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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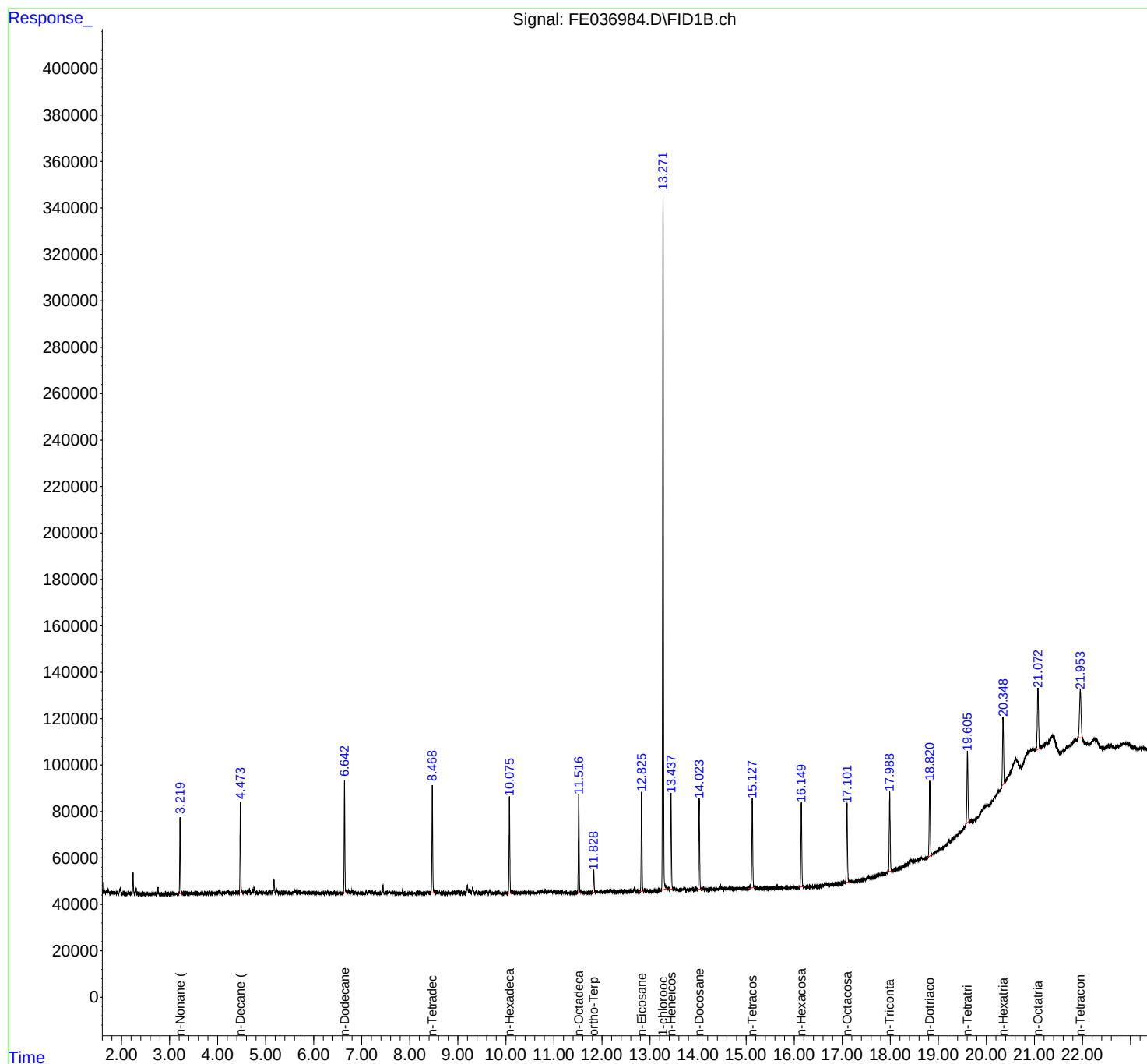
Instrument :
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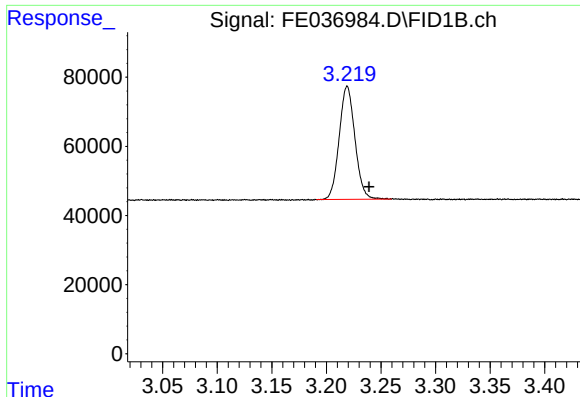
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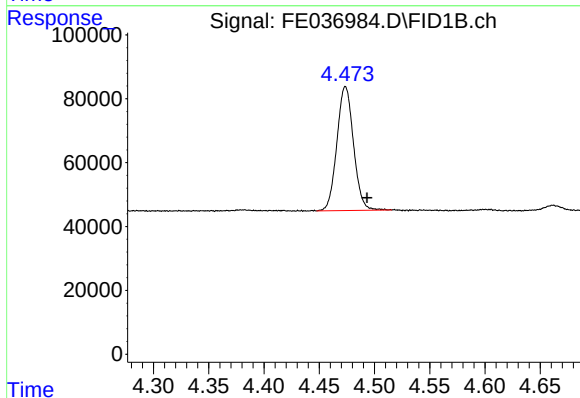
#1 n-Nonane (C9)

R.T.: 3.219 min
Delta R.T.: -0.020 min
Response: 328709
Conc: 2.13 ug/ml

Instrument :
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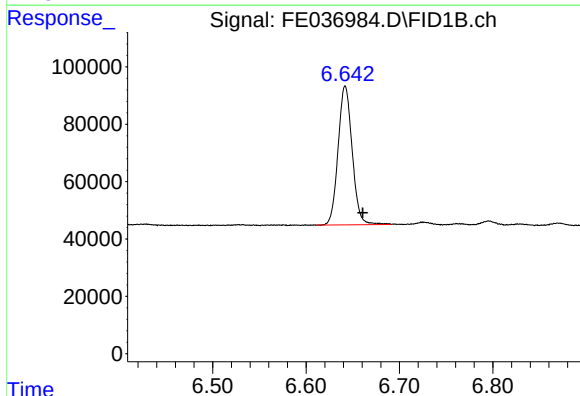
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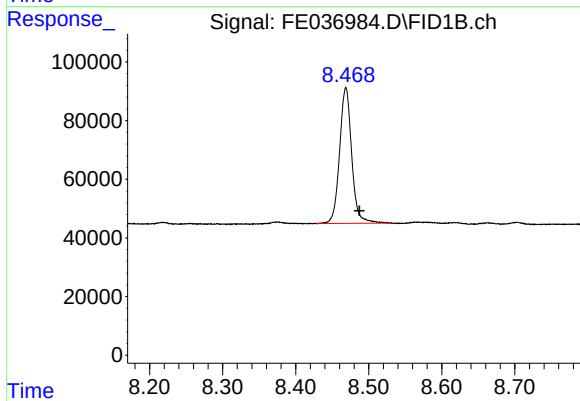
#2 n-Decane (C10)

R.T.: 4.474 min
Delta R.T.: -0.020 min
Response: 406702
Conc: 2.64 ug/ml



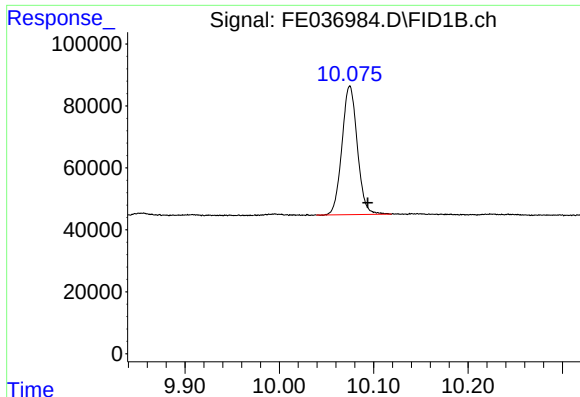
#4 n-Dodecane (C12)

R.T.: 6.642 min
Delta R.T.: -0.019 min
Response: 508670
Conc: 3.24 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.469 min
Delta R.T.: -0.019 min
Response: 533376
Conc: 3.27 ug/ml



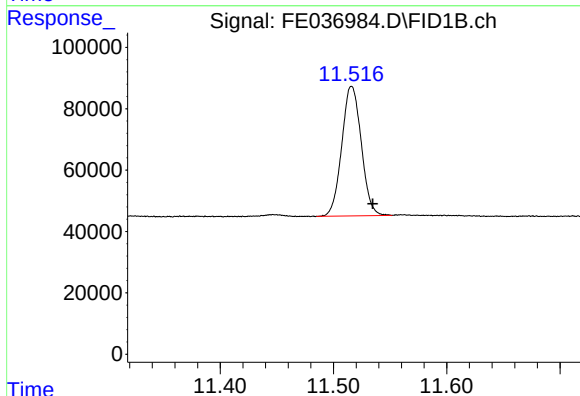
#7 n-Hexadecane (C16)

R.T.: 10.075 min
Delta R.T.: -0.019 min
Response: 469848
Conc: 2.85 ug/ml

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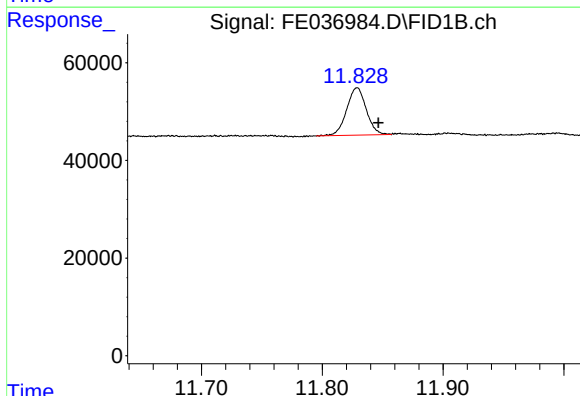
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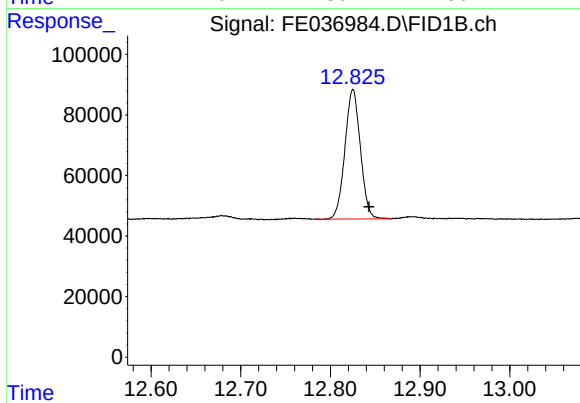
#8 n-Octadecane (C18)

R.T.: 11.516 min
Delta R.T.: -0.019 min
Response: 506294
Conc: 2.98 ug/ml



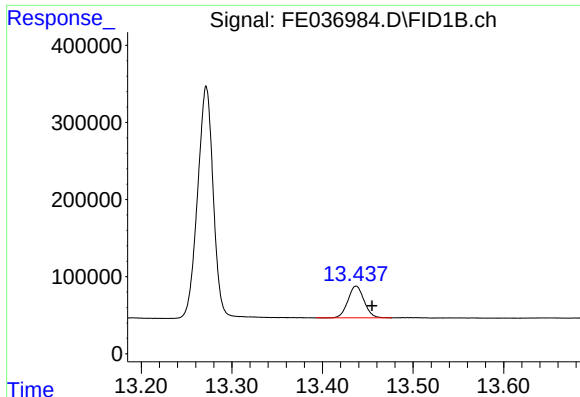
#9 ortho-Terphenyl (SURR)

R.T.: 11.829 min
Delta R.T.: -0.018 min
Response: 108976
Conc: 0.59 ug/ml



#10 n-Eicosane (C20)

R.T.: 12.825 min
Delta R.T.: -0.018 min
Response: 512980
Conc: 3.02 ug/ml



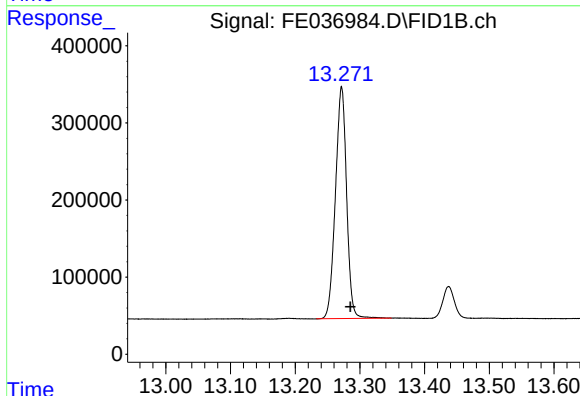
#11 n-Heneicosane (C21)

R.T.: 13.437 min
Delta R.T.: -0.018 min
Response: 509215
Conc: 2.98 ug/ml

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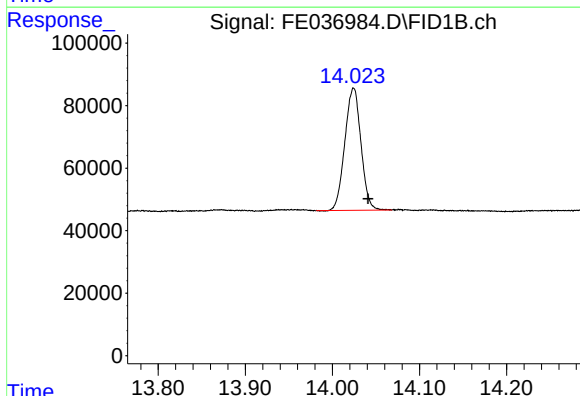
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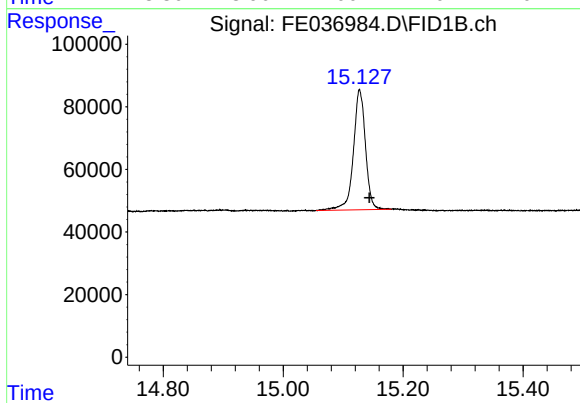
#12 1-chlorooctadecane (SURR)

R.T.: 13.272 min
Delta R.T.: -0.014 min
Response: 3612766
Conc: 23.75 ug/ml



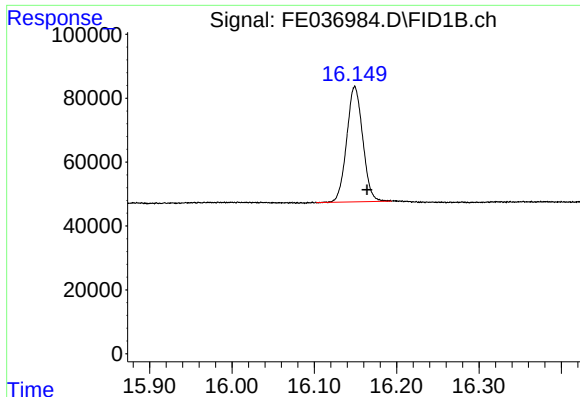
#13 n-Docosane (C22)

R.T.: 14.025 min
Delta R.T.: -0.017 min
Response: 503564
Conc: 2.95 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.127 min
Delta R.T.: -0.017 min
Response: 537232
Conc: 3.15 ug/ml



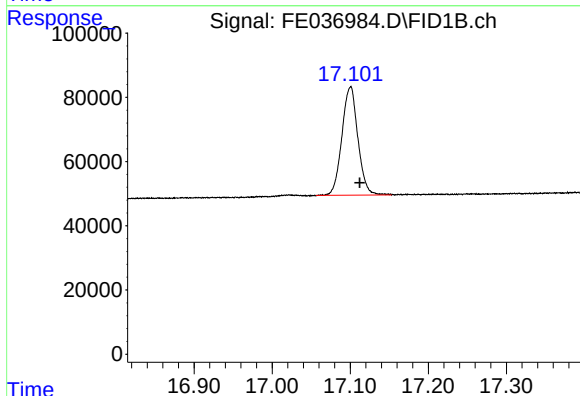
#15 n-Hexacosane (C26)

R.T.: 16.149 min
Delta R.T.: -0.015 min
Response: 488377
Conc: 2.92 ug/ml

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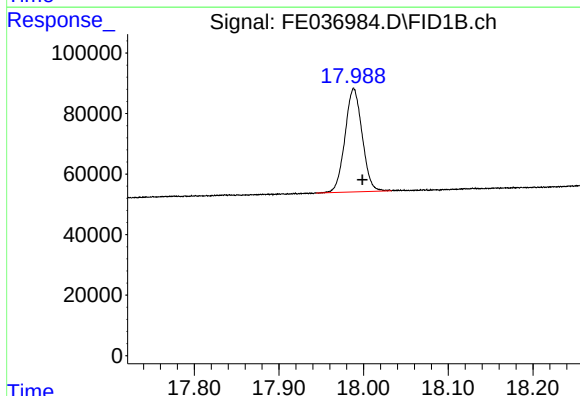
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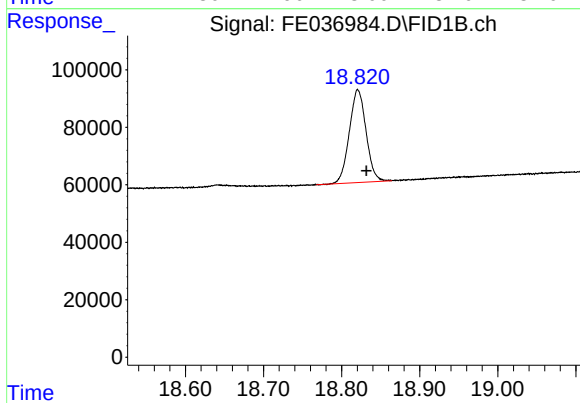
#16 n-Octacosane (C28)

R.T.: 17.101 min
Delta R.T.: -0.012 min
Response: 481613
Conc: 2.95 ug/ml



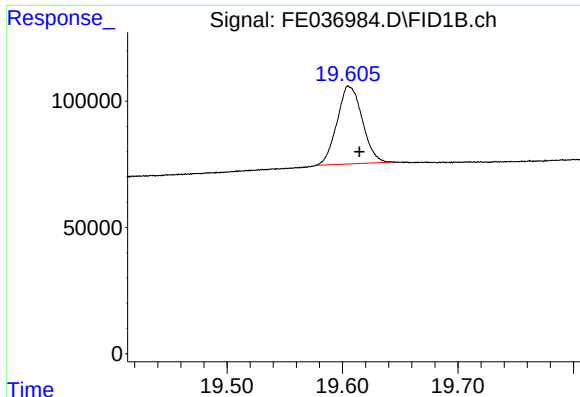
#17 n-Tricontane (C30)

R.T.: 17.988 min
Delta R.T.: -0.010 min
Response: 481819
Conc: 3.17 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.821 min
Delta R.T.: -0.011 min
Response: 480917
Conc: 4.00 ug/ml



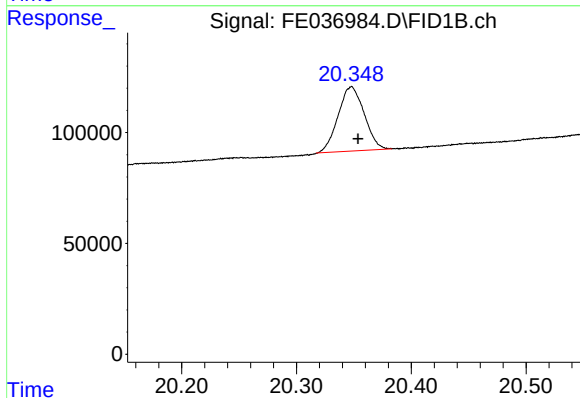
#19 n-Tetratriacontane (C34)

R.T.: 19.605 min
Delta R.T.: -0.010 min
Response: 466977
Conc: 5.61 ug/ml

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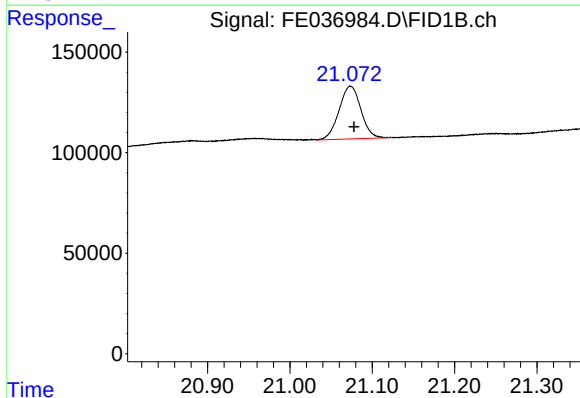
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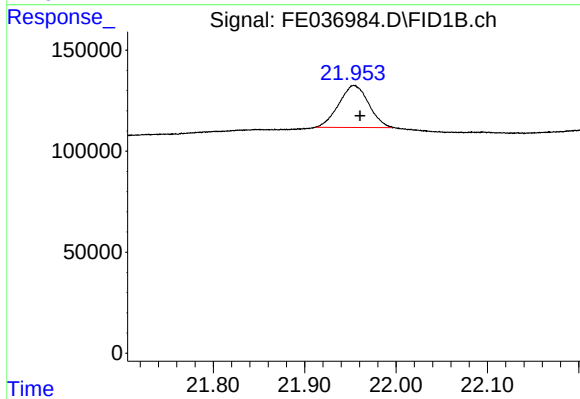
#20 n-Hexatriacontane (C36)

R.T.: 20.348 min
Delta R.T.: -0.006 min
Response: 458523
Conc: 7.81 ug/ml m



#21 n-Octatriacontane (C38)

R.T.: 21.074 min
Delta R.T.: -0.005 min
Response: 483556
Conc: 9.64 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.953 min
Delta R.T.: -0.007 min
Response: 472428
Conc: 9.15 ug/ml m