

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG101424AL\
 Data File : FG014441.D
 Signal(s) : FID1A.ch
 Acq On : 14 Oct 2024 19:52
 Operator : YP\AJ
 Sample : P4368-01
 Misc :
 ALS Vial : 74 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/15/2024
 Supervised By :Ankita Jodhani 10/15/2024

Integration File: autoint1.e
 Quant Time: Oct 15 02:37:50 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 093024.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 01 09:55:30 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...	13.249	5326478	53.754 ug/ml
Spiked Amount 50.000		Recovery =	107.51%
Target Compounds			
1) T n-Nonane (C9)	3.182	237754	1.906 ug/ml
2) T n-Decane (C10)	4.430	288537	2.277 ug/mlm
4) T n-Dodecane (C12)	6.601	325743	2.604 ug/ml
6) T n-Tetradecane (C14)	8.435	299235	2.513 ug/ml
7) T n-Hexadecane (C16)	10.045	355581	2.824 ug/ml
8) T n-Octadecane (C18)	11.490	437472	3.386 ug/ml
10) T n-Eicosane (C20)	12.801	503330	4.061 ug/ml
11) T n-Heneicosane (C21)	13.415	468497	3.857 ug/ml
13) T n-Docosane (C22)	14.003	558443	4.638 ug/ml
14) T n-Tetracosane (C24)	15.109	681161	5.656 ug/ml
15) T n-Hexacosane (C26)	16.133	740659	6.283 ug/mlm
16) T n-Octacosane (C28)	17.086	768275	6.607 ug/ml
17) T n-Tricontane (C30)	17.975	729681	6.108 ug/ml
18) T n-Dotriacontane (C32)	18.810	694045	6.012 ug/ml
19) T n-Tetratriacontane (C34)	19.596	560478	5.608 ug/mlm
20) T n-Hexatriacontane (C36)	20.340	458396	5.276 ug/ml
21) T n-Octatriacontane (C38)	21.067	419818	5.525 ug/ml
22) T n-Tetracontane (C40)	21.954	399568	6.036 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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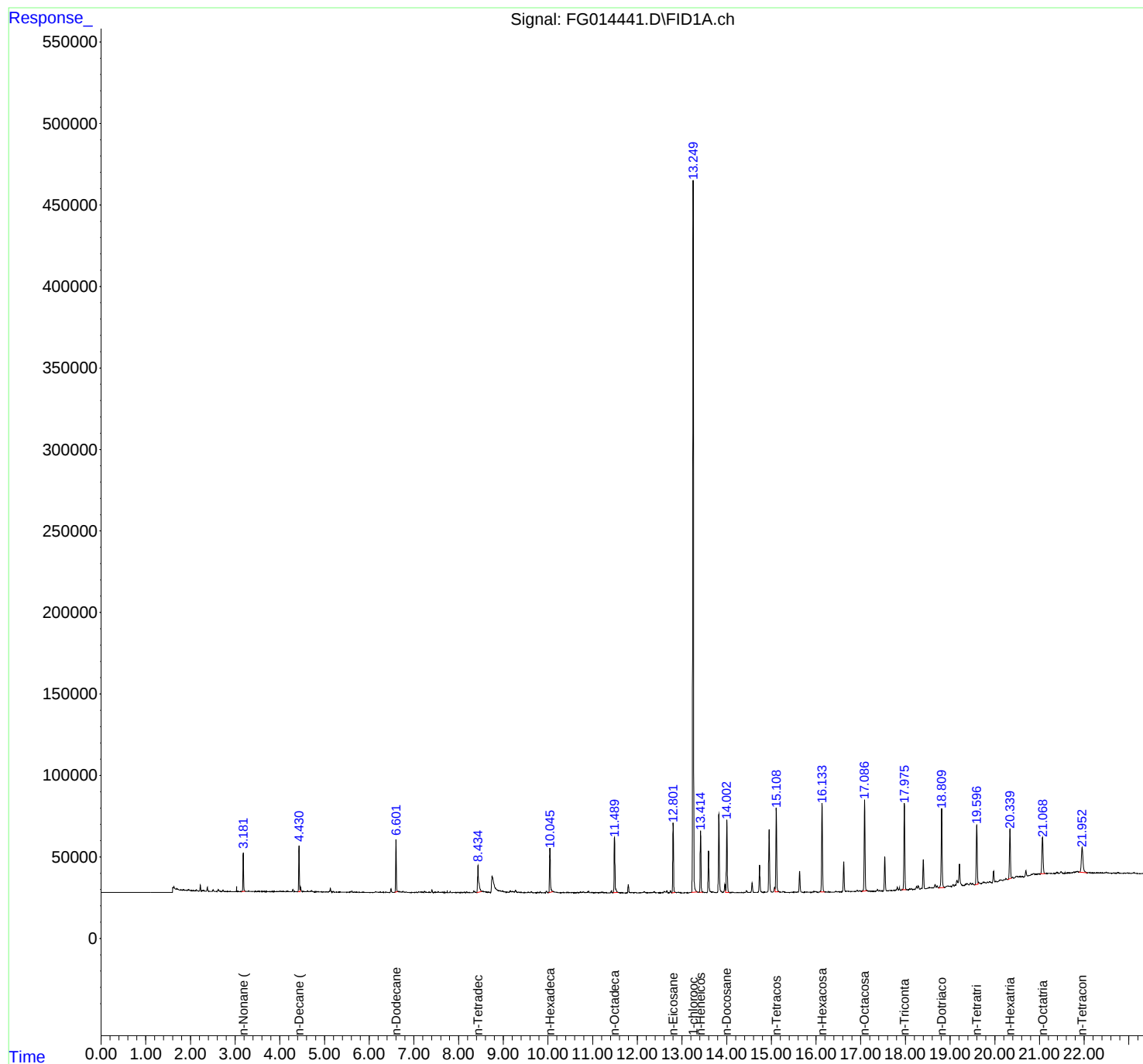
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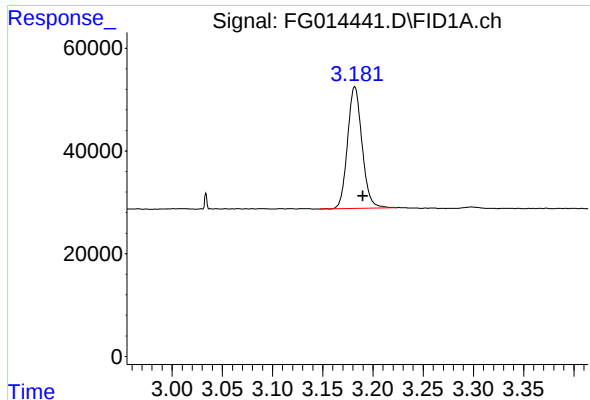
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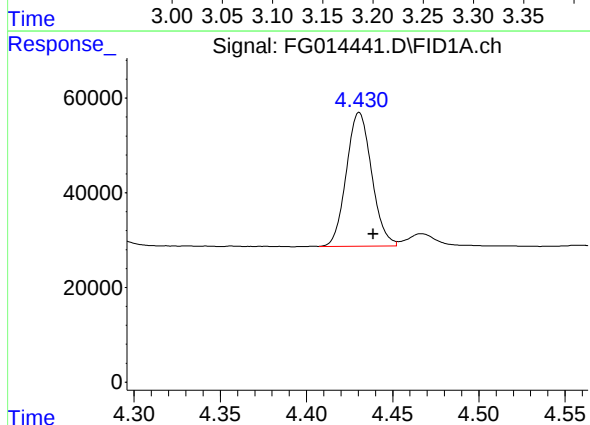
#1 n-Nonane (C9)

R.T.: 3.182 min
Delta R.T.: -0.008 min
Response: 237754
Conc: 1.91 ug/ml

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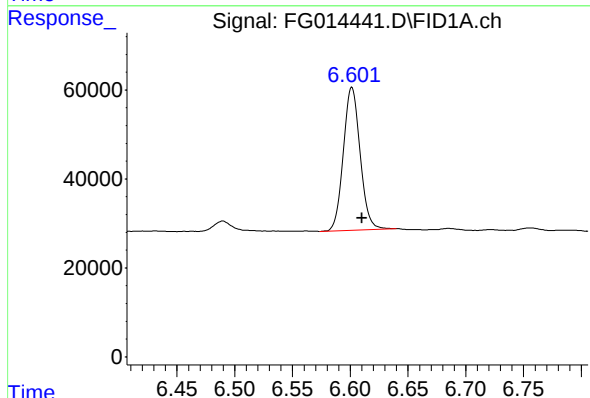
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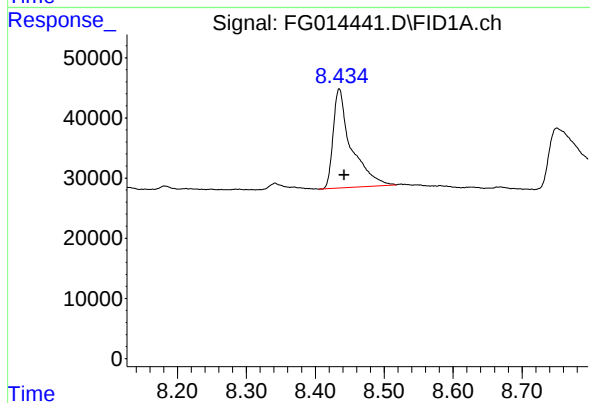
#2 n-Decane (C10)

R.T.: 4.430 min
Delta R.T.: -0.008 min
Response: 288537
Conc: 2.28 ug/ml



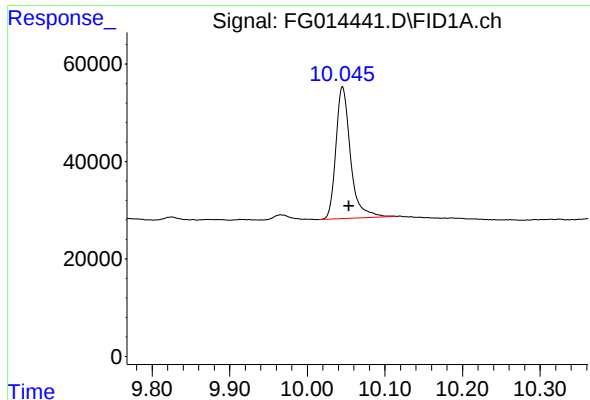
#4 n-Dodecane (C12)

R.T.: 6.601 min
Delta R.T.: -0.009 min
Response: 325743
Conc: 2.60 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.435 min
Delta R.T.: -0.007 min
Response: 299235
Conc: 2.51 ug/ml



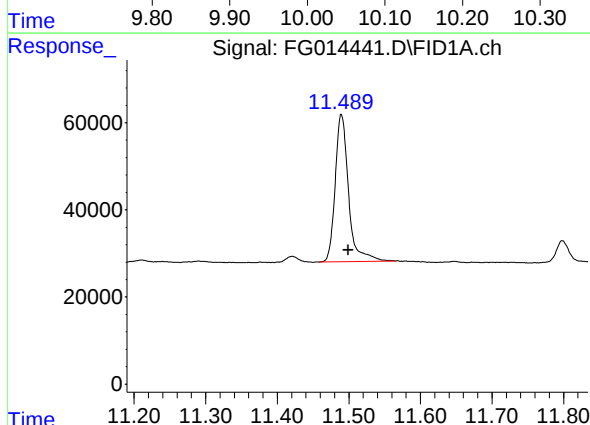
#7 n-Hexadecane (C16)

R.T.: 10.045 min
Delta R.T.: -0.008 min
Response: 355581
Conc: 2.82 ug/ml

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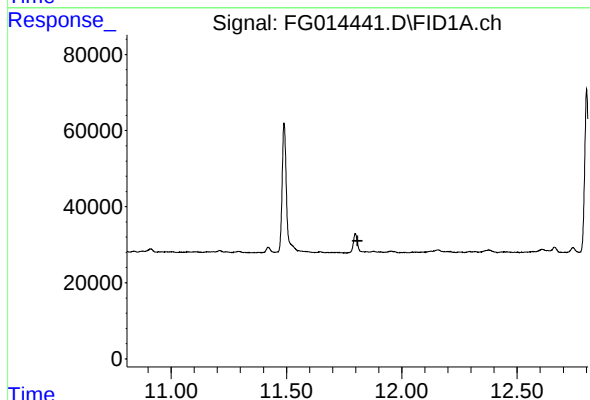
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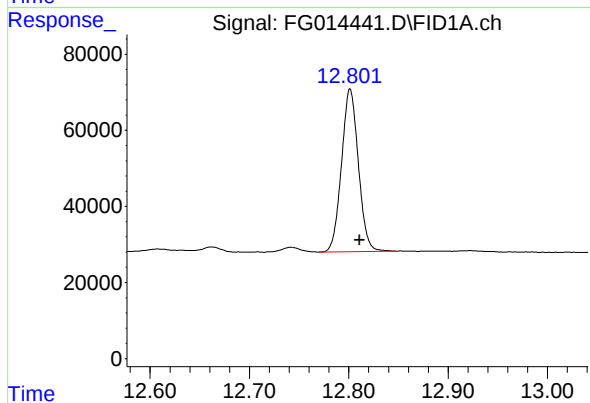
#8 n-Octadecane (C18)

R.T.: 11.490 min
Delta R.T.: -0.010 min
Response: 437472
Conc: 3.39 ug/ml



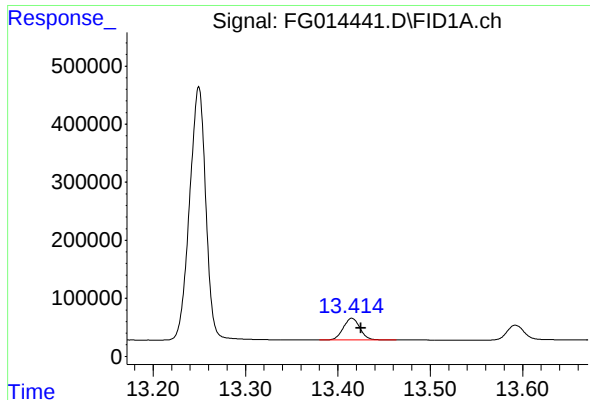
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.808 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.801 min
Delta R.T.: -0.010 min
Response: 503330
Conc: 4.06 ug/ml



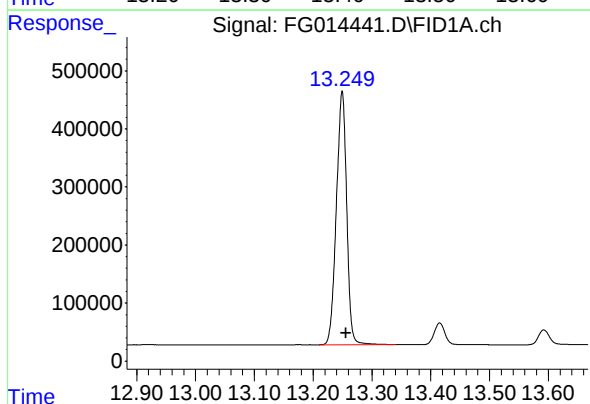
#11 n-Heneicosane (C21)

R.T.: 13.415 min
Delta R.T.: -0.010 min
Response: 468497
Conc: 3.86 ug/ml

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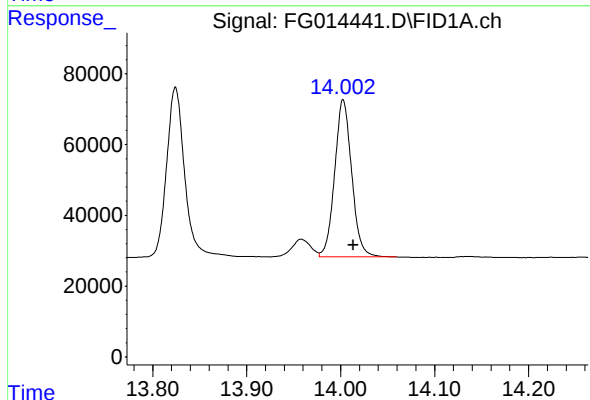
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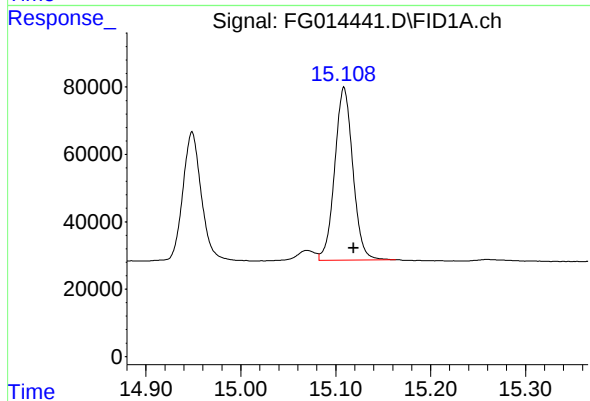
#12 1-chlorooctadecane (SURR)

R.T.: 13.249 min
Delta R.T.: -0.006 min
Response: 5326478
Conc: 53.75 ug/ml



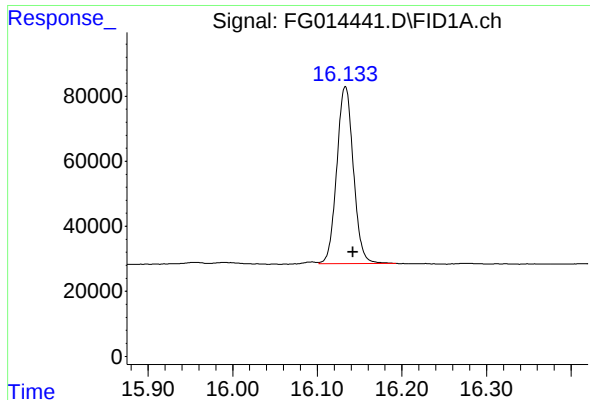
#13 n-Docosane (C22)

R.T.: 14.003 min
Delta R.T.: -0.011 min
Response: 558443
Conc: 4.64 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.109 min
Delta R.T.: -0.010 min
Response: 681161
Conc: 5.66 ug/ml



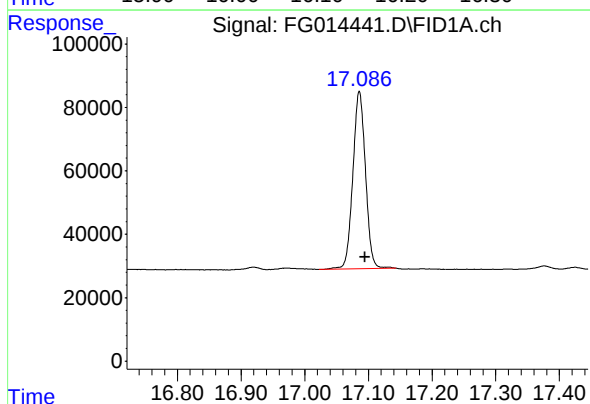
#15 n-Hexacosane (C26)

R.T.: 16.133 min
Delta R.T.: -0.009 min
Response: 740659
Conc: 6.28 ug/ml

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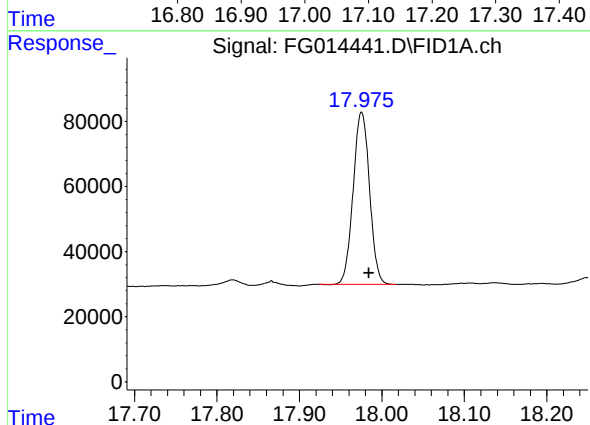
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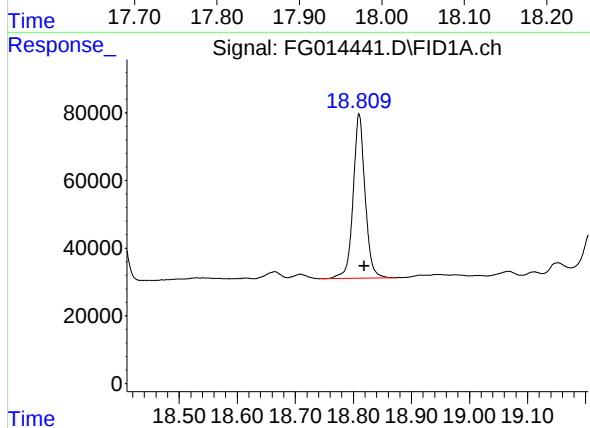
#16 n-Octacosane (C28)

R.T.: 17.086 min
Delta R.T.: -0.009 min
Response: 768275
Conc: 6.61 ug/ml



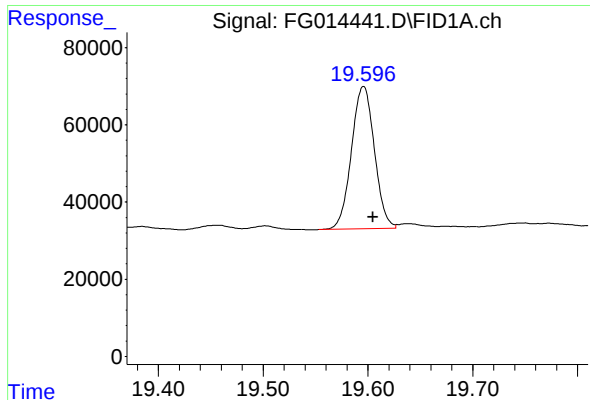
#17 n-Tricontane (C30)

R.T.: 17.975 min
Delta R.T.: -0.009 min
Response: 729681
Conc: 6.11 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.810 min
Delta R.T.: -0.009 min
Response: 694045
Conc: 6.01 ug/ml



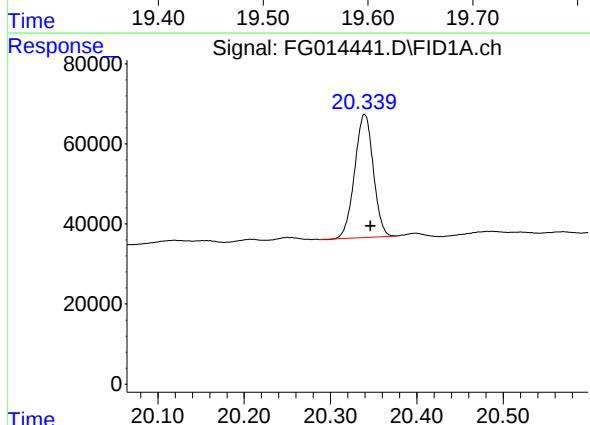
#19 n-Tetratriacontane (C34)

R.T.: 19.596 min
Delta R.T.: -0.009 min
Response: 560478
Conc: 5.61 ug/ml

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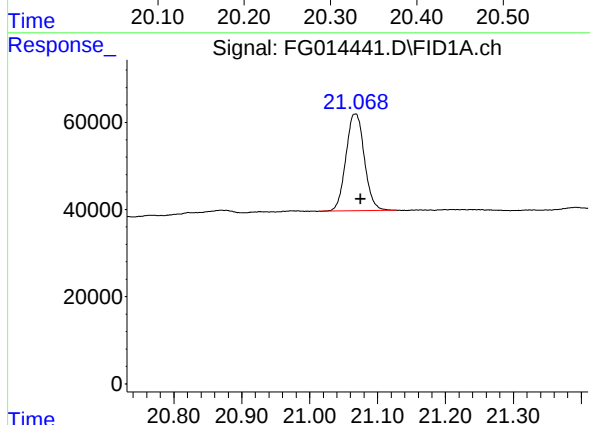
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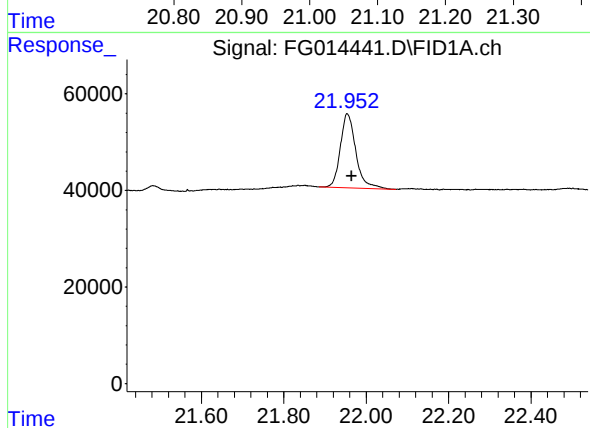
#20 n-Hexatriacontane (C36)

R.T.: 20.340 min
Delta R.T.: -0.007 min
Response: 458396
Conc: 5.28 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.067 min
Delta R.T.: -0.008 min
Response: 419818
Conc: 5.53 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.954 min
Delta R.T.: -0.011 min
Response: 399568
Conc: 6.04 ug/ml