

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020524AL\
 Data File : FE046587.D
 Signal(s) : FID1B.ch
 Acq On : 05 Feb 2024 20:32
 Operator : YP\AJ
 Sample : P1187-03
 Misc : ALIPHATIC MDL 2.5 PPM
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 MDL-SOIL-03-QT1-2024

Manual Integrations
 APPROVED

Reviewed By :Ankita Jodhani 02/06/2024
 Supervised By :Sohil Jodhani 02/06/2024

Integration File: autoint1.e
 Quant Time: Feb 06 03:16:21 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 012524.M
 Quant Title : GC Extractables
 QLast Update : Thu Jan 25 14:56:03 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...	13.260	4304492	30.255 ug/ml
Spiked Amount 50.000		Recovery =	60.51%
Target Compounds			
1) T n-Nonane (C9)	3.205	234074	1.449 ug/ml
2) T n-Decane (C10)	4.455	294279	1.796 ug/ml
4) T n-Dodecane (C12)	6.623	443506	2.681 ug/ml
6) T n-Tetradecane (C14)	8.449	372137	2.271 ug/ml
7) T n-Hexadecane (C16)	10.059	371542	2.174 ug/ml
8) T n-Octadecane (C18)	11.502	391051	2.243 ug/ml
10) T n-Eicosane (C20)	12.813	414958	2.444 ug/ml
11) T n-Heneicosane (C21)	13.425	414873	2.487 ug/ml
13) T n-Docosane (C22)	14.013	395873	2.390 ug/ml
14) T n-Tetracosane (C24)	15.117	401766	2.435 ug/ml
15) T n-Hexacosane (C26)	16.140	390660	2.420 ug/ml
16) T n-Octacosane (C28)	17.091	384065	2.447 ug/ml
17) T n-Tricontane (C30)	17.978	388472	2.480 ug/mlm
18) T n-Dotriacontane (C32)	18.816	396044	2.620 ug/ml
19) T n-Tetratriacontane (C34)	19.601	376271	2.653 ug/ml
20) T n-Hexatriacontane (C36)	20.345	368741	2.675 ug/ml
21) T n-Octatriacontane (C38)	21.070	470877	3.673 ug/ml
22) T n-Tetracontane (C40)	21.960	558818	4.469 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 21 Sample Multiplier: 1

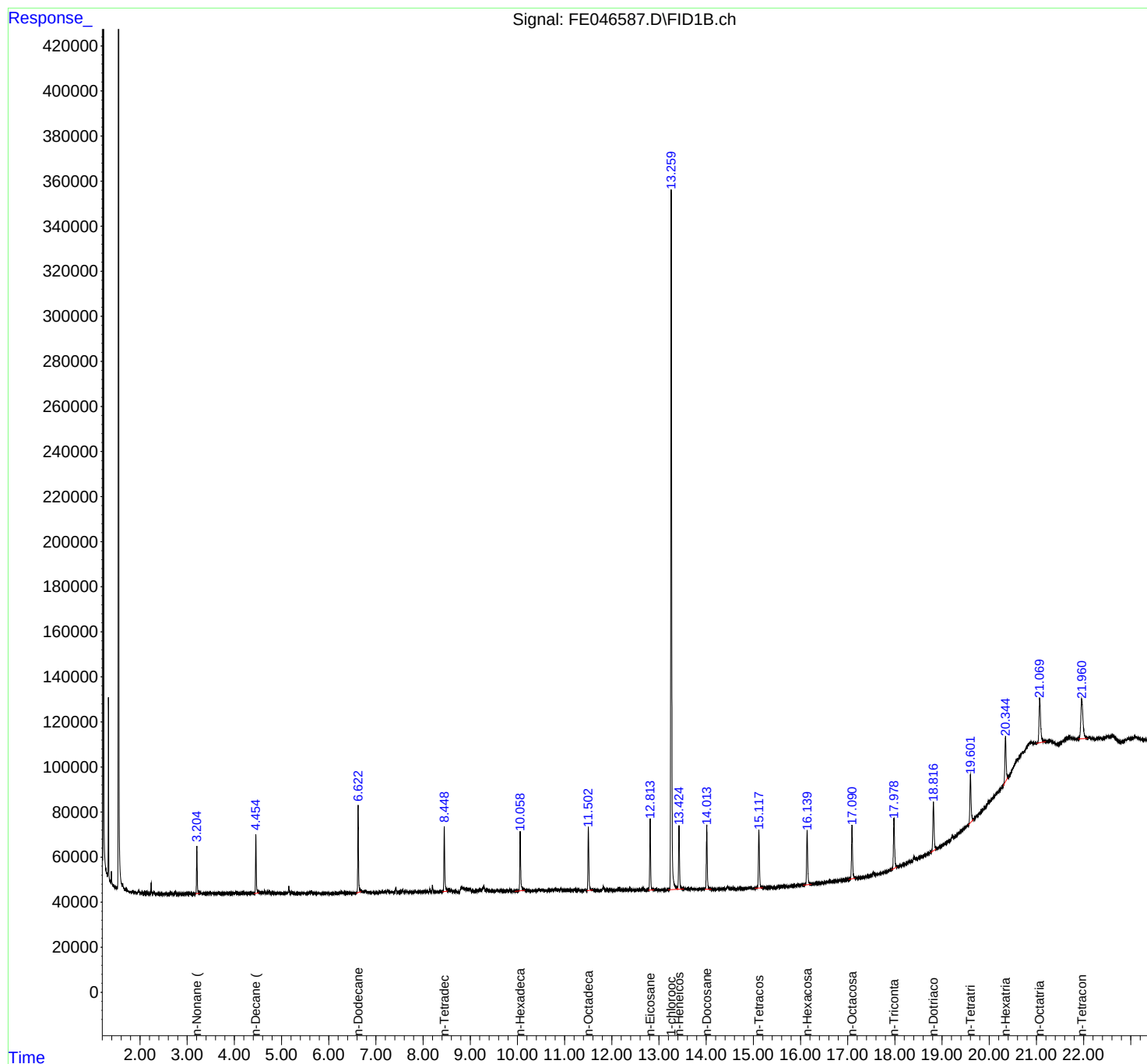
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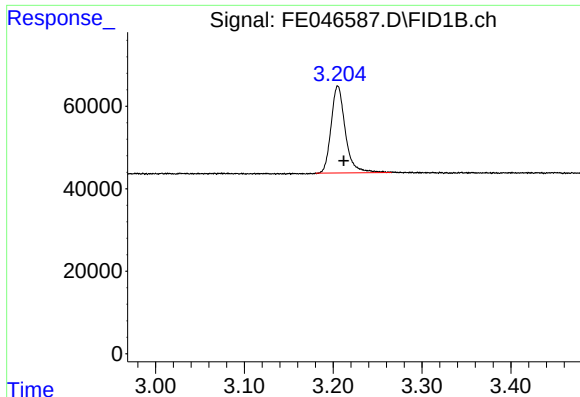
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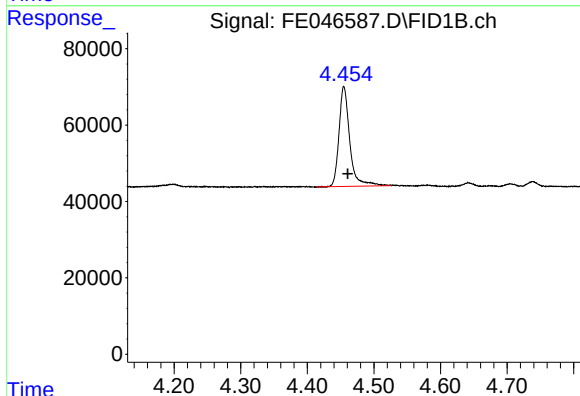
#1 n-Nonane (C9)

R.T.: 3.205 min
Delta R.T.: -0.007 min
Response: 234074
Conc: 1.45 ug/ml

Instrument :
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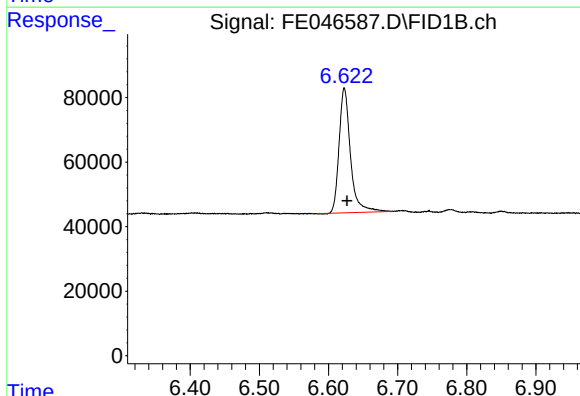
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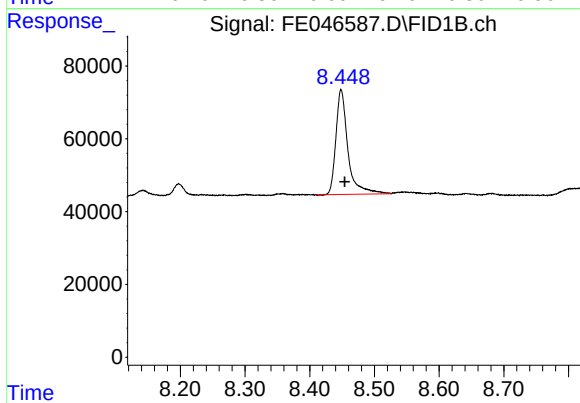
#2 n-Decane (C10)

R.T.: 4.455 min
Delta R.T.: -0.006 min
Response: 294279
Conc: 1.80 ug/ml



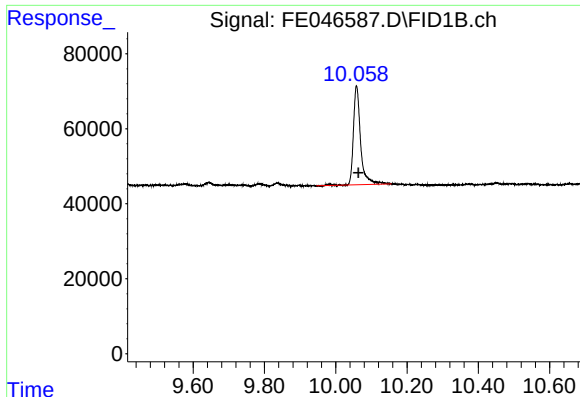
#4 n-Dodecane (C12)

R.T.: 6.623 min
Delta R.T.: -0.004 min
Response: 443506
Conc: 2.68 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.449 min
Delta R.T.: -0.005 min
Response: 372137
Conc: 2.27 ug/ml



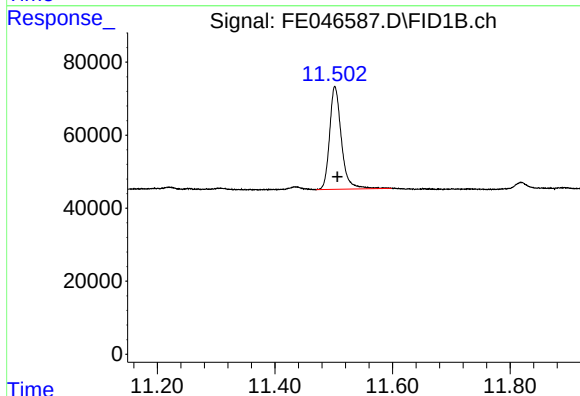
#7 n-Hexadecane (C16)

R.T.: 10.059 min
Delta R.T.: -0.005 min
Response: 371542
Conc: 2.17 ug/ml

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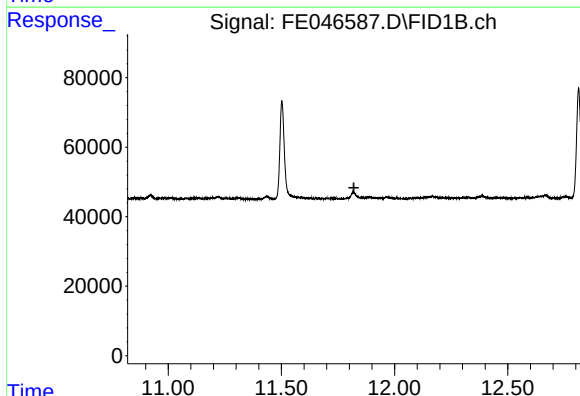
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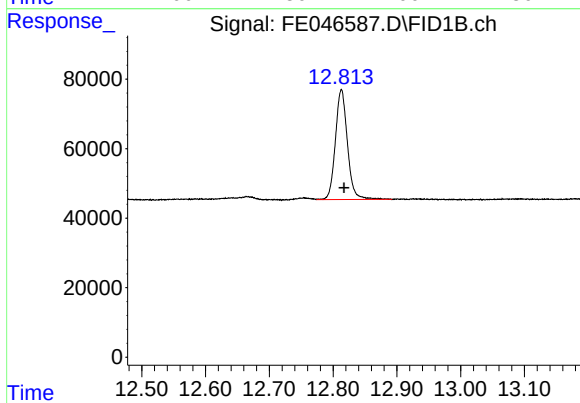
#8 n-Octadecane (C18)

R.T.: 11.502 min
Delta R.T.: -0.004 min
Response: 391051
Conc: 2.24 ug/ml



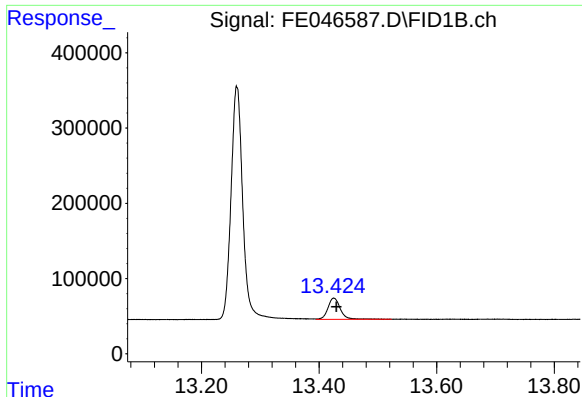
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.820 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.813 min
Delta R.T.: -0.004 min
Response: 414958
Conc: 2.44 ug/ml



#11 n-Heneicosane (C21)

R.T.: 13.425 min
Delta R.T.: -0.004 min
Response: 414873
Conc: 2.49 ug/ml

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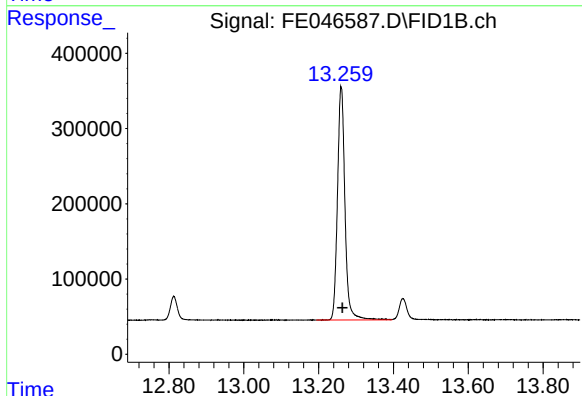
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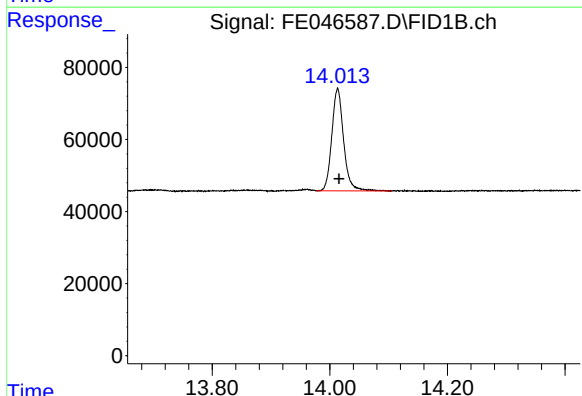
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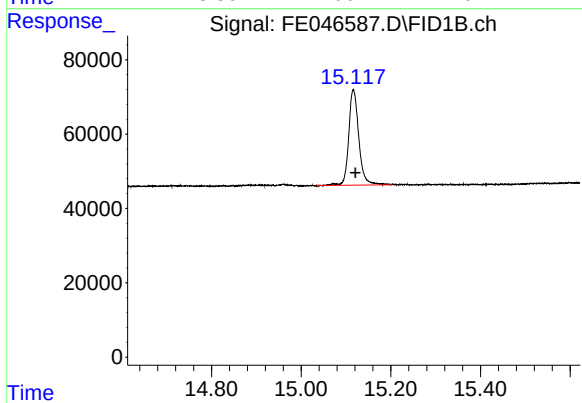
#12 1-chlorooctadecane (SURR)

R.T.: 13.260 min
Delta R.T.: -0.003 min
Response: 4304492
Conc: 30.25 ug/ml



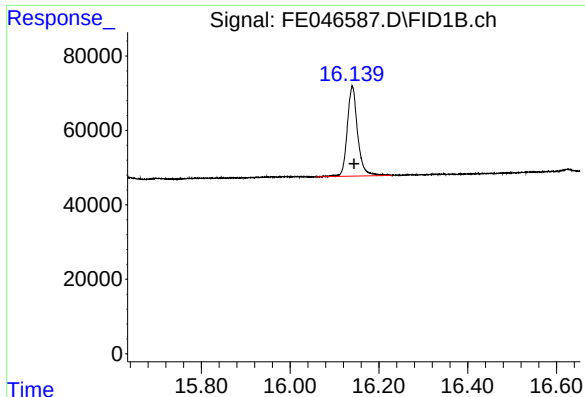
#13 n-Docosane (C22)

R.T.: 14.013 min
Delta R.T.: -0.003 min
Response: 395873
Conc: 2.39 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.117 min
Delta R.T.: -0.005 min
Response: 401766
Conc: 2.43 ug/ml



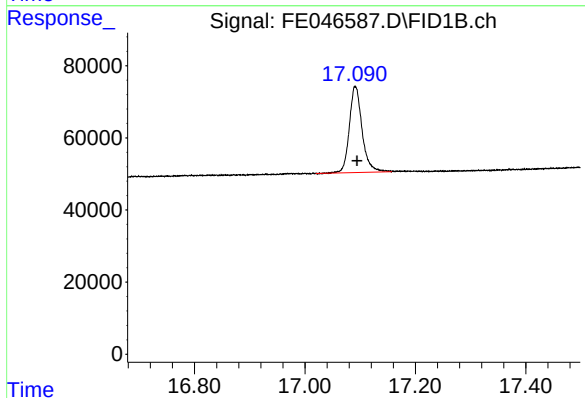
#15 n-Hexacosane (C26)

R.T.: 16.140 min
Delta R.T.: -0.004 min
Response: 390660
Conc: 2.42 ug/ml

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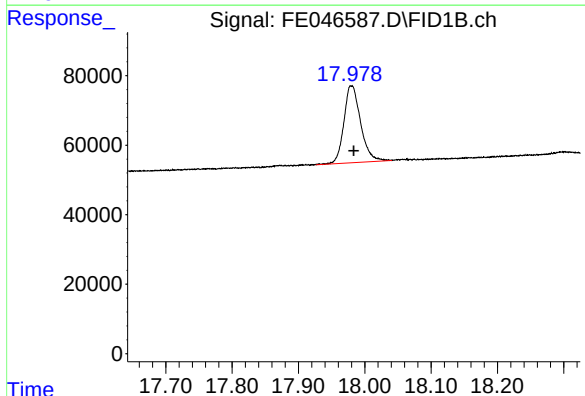
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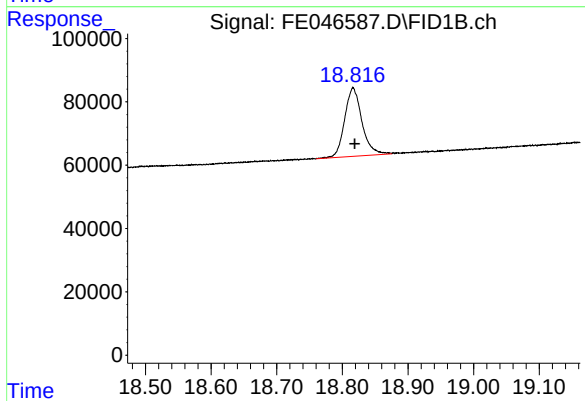
#16 n-Octacosane (C28)

R.T.: 17.091 min
Delta R.T.: -0.003 min
Response: 384065
Conc: 2.45 ug/ml



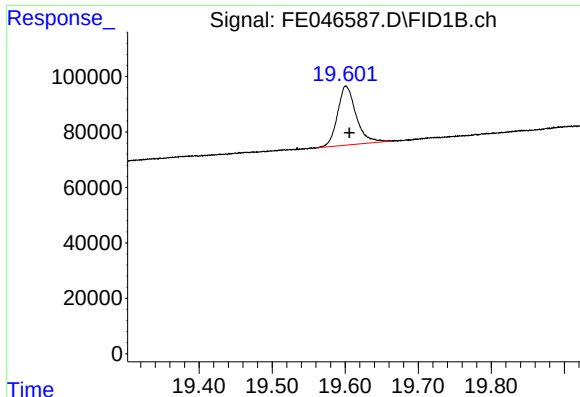
#17 n-Tricontane (C30)

R.T.: 17.978 min
Delta R.T.: -0.006 min
Response: 388472
Conc: 2.48 ug/ml m



#18 n-Dotriacontane (C32)

R.T.: 18.816 min
Delta R.T.: -0.002 min
Response: 396044
Conc: 2.62 ug/ml



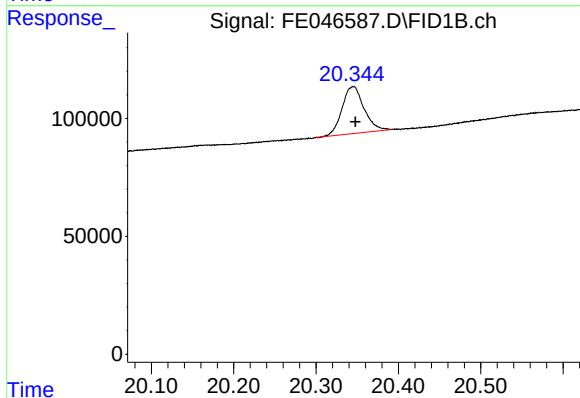
#19 n-Tetratriacontane (C34)

R.T.: 19.601 min
Delta R.T.: -0.004 min
Response: 376271
Conc: 2.65 ug/ml

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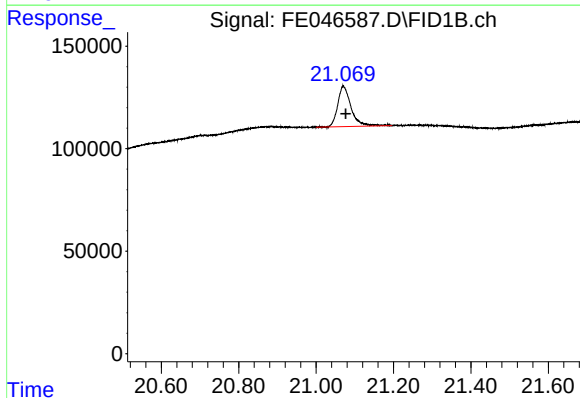
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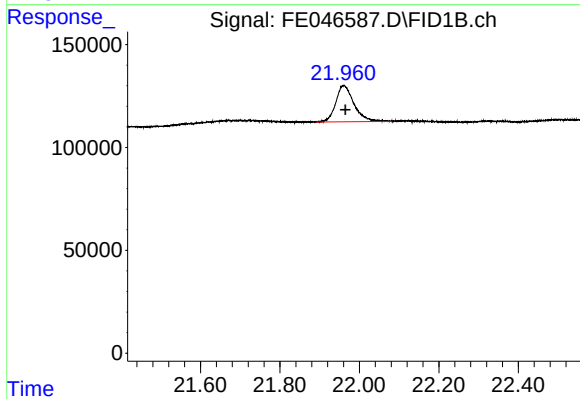
#20 n-Hexatriacontane (C36)

R.T.: 20.345 min
Delta R.T.: -0.003 min
Response: 368741
Conc: 2.68 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.070 min
Delta R.T.: -0.006 min
Response: 470877
Conc: 3.67 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.960 min
Delta R.T.: -0.005 min
Response: 558818
Conc: 4.47 ug/ml