

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092523AL\
 Data File : FE044419.D
 Signal(s) : FID1B.ch
 Acq On : 25 Sep 2023 10:39
 Operator : YP\AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/26/2023
 Supervised By :Ankita Jodhani 09/26/2023

Integration File: autoint1.e
 Quant Time: Sep 25 11:03:53 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092523.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 25 10:38:50 2023
 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)	11.923	984049	5.306 ug/ml
Spiked Amount 50.000		Recovery =	10.61%
12) S 1-chlorooctadecane (S...	13.362	708613	5.264 ug/ml
Spiked Amount 50.000		Recovery =	10.53%
Target Compounds			
1) T n-Nonane (C9)	3.313	852841	5.320 ug/ml
2) T n-Decane (C10)	4.564	869512	5.318 ug/ml
3) T A~Naphthalene (C11.7)	6.265	930119	5.256 ug/ml
4) T n-Dodecane (C12)	6.727	869789	5.290 ug/ml
5) T A~2-methylnaphthalene...	7.360	882052	5.196 ug/ml
6) T n-Tetradecane (C14)	8.554	858641	5.291 ug/ml
7) T n-Hexadecane (C16)	10.162	890915	5.328 ug/ml
8) T n-Octadecane (C18)	11.606	894662	5.341 ug/ml
10) T n-Eicosane (C20)	12.917	848998	5.351 ug/ml
11) T n-Heneicosane (C21)	13.530	823558	5.329 ug/ml
13) T n-Docosane (C22)	14.117	811700	5.333 ug/ml
14) T n-Tetracosane (C24)	15.222	803655	5.402 ug/ml
15) T n-Hexacosane (C26)	16.244	793229	5.501 ug/ml
16) T n-Octacosane (C28)	17.195	785409	5.610 ug/ml
17) T n-Tricontane (C30)	18.083	841801	5.878 ug/ml
18) T n-Dotriacontane (C32)	18.917	854091	6.000 ug/ml
19) T n-Tetratriacontane (C34)	19.703	818295	5.772 ug/ml
20) T n-Hexatriacontane (C36)	20.444	797894	5.642 ug/ml
21) T n-Octatriacontane (C38)	21.186	803560	5.464 ug/ml
22) T n-Tetracontane (C40)	22.107	834732	5.367 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Acq On : 25 Sep 2023 10:39
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

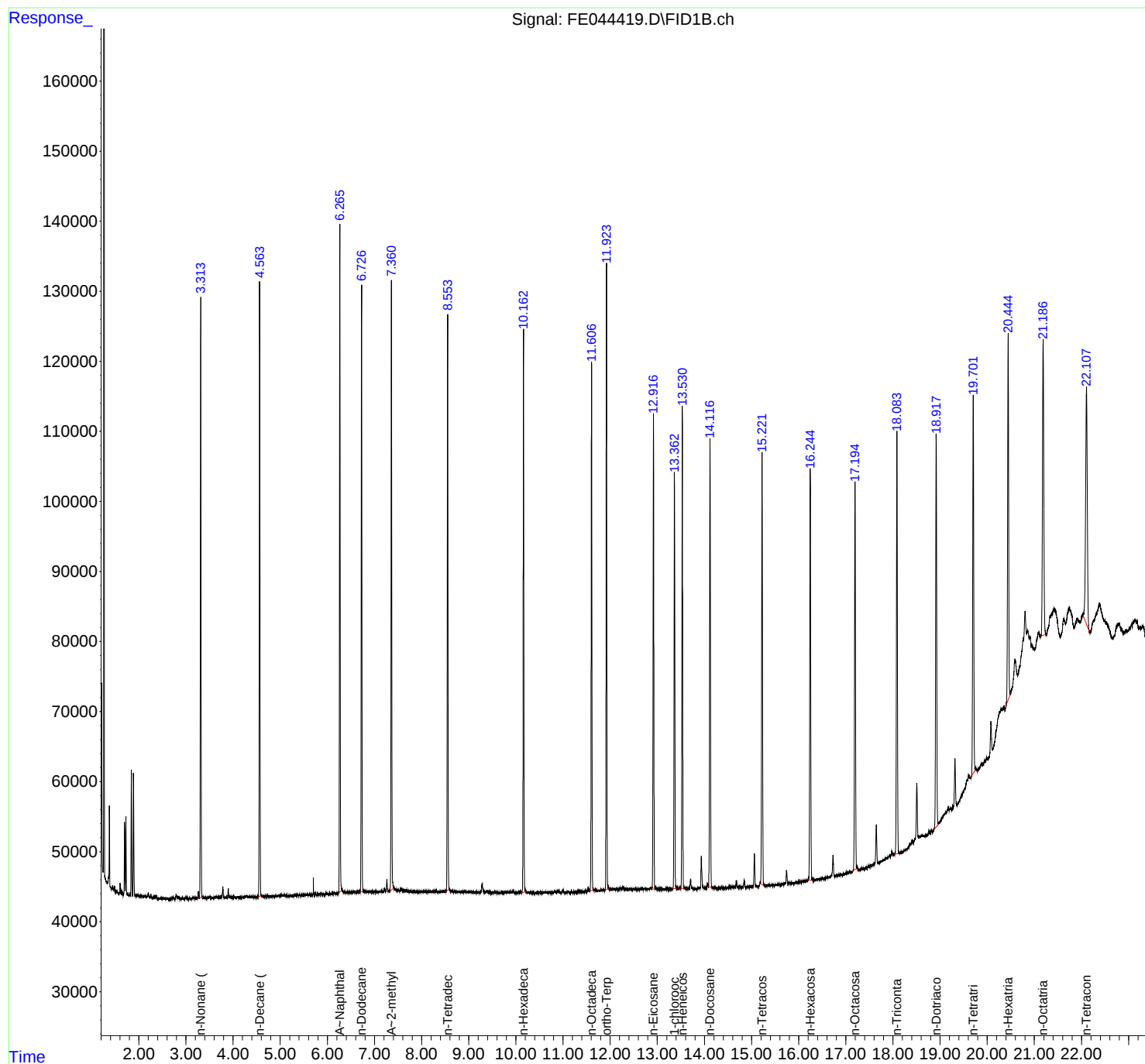
Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

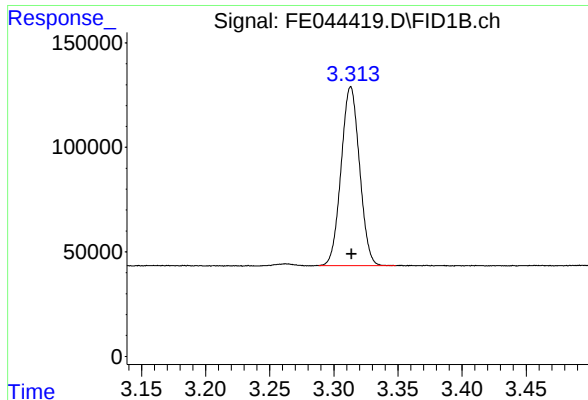
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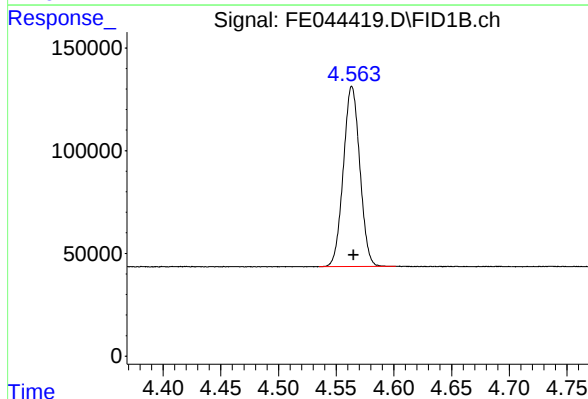
#1 n-Nonane (C9)

R.T.: 3.313 min
Delta R.T.: 0.000 min
Response: 852841
Conc: 5.32 ug/ml

Instrument : FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

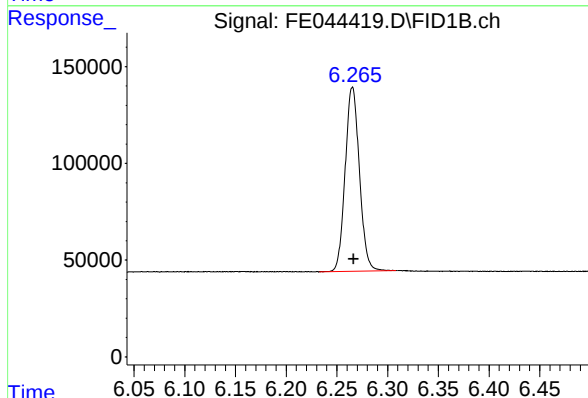
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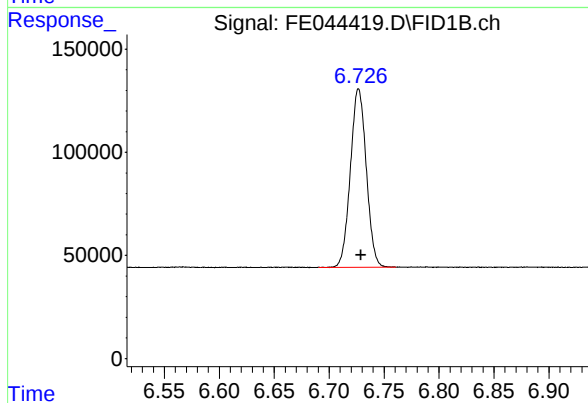
#2 n-Decane (C10)

R.T.: 4.564 min
Delta R.T.: -0.001 min
Response: 869512
Conc: 5.32 ug/ml



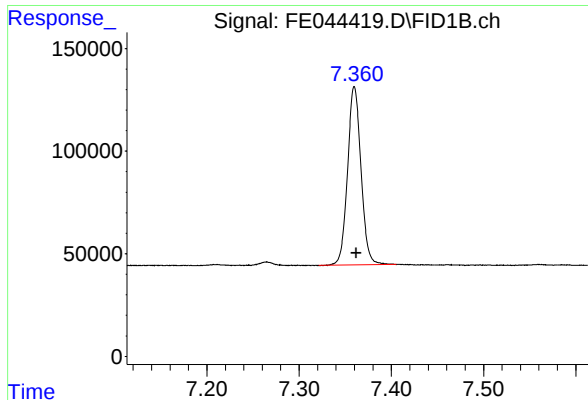
#3 A~Naphthalene (C11.7)

R.T.: 6.265 min
Delta R.T.: -0.001 min
Response: 930119
Conc: 5.26 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.727 min
Delta R.T.: -0.002 min
Response: 869789
Conc: 5.29 ug/ml



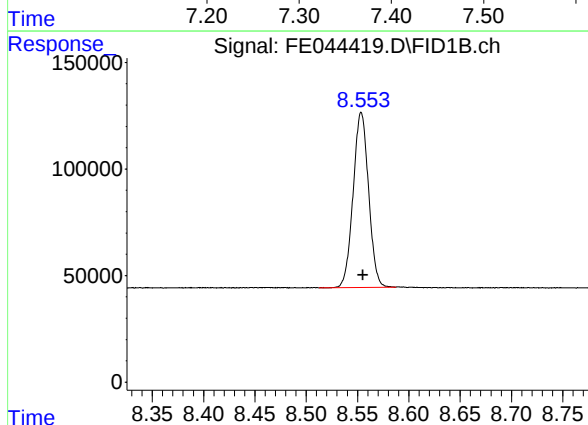
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.360 min
Delta R.T.: -0.002 min
Response: 882052
Conc: 5.20 ug/ml

Instrument : FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

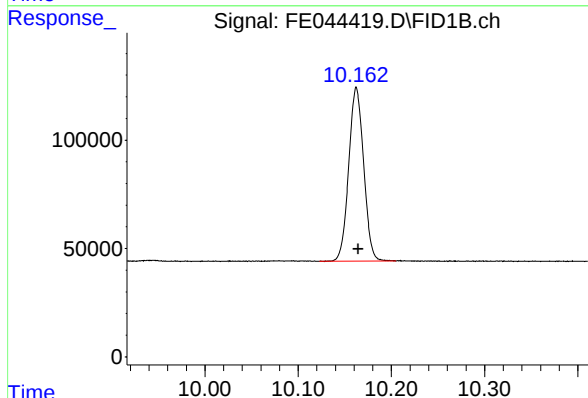
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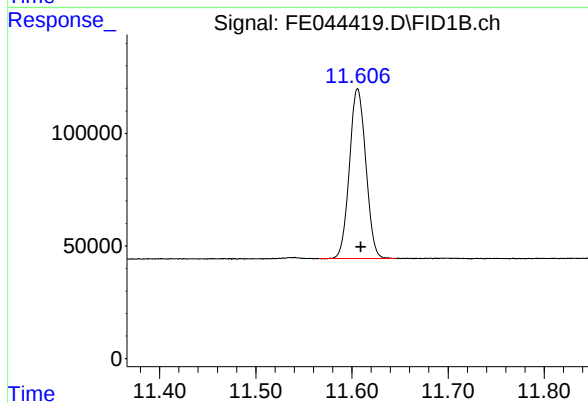
#6 n-Tetradecane (C14)

R.T.: 8.554 min
Delta R.T.: -0.002 min
Response: 858641
Conc: 5.29 ug/ml



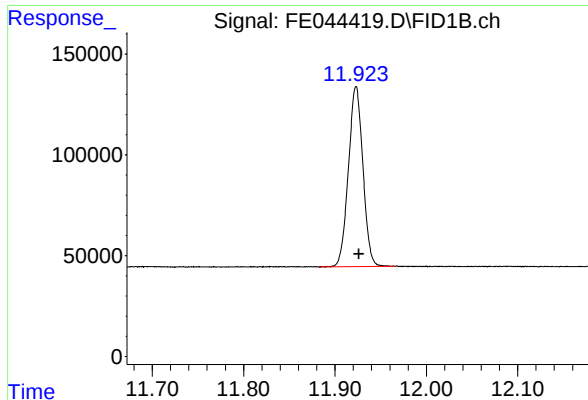
#7 n-Hexadecane (C16)

R.T.: 10.162 min
Delta R.T.: -0.002 min
Response: 890915
Conc: 5.33 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.606 min
Delta R.T.: -0.003 min
Response: 894662
Conc: 5.34 ug/ml



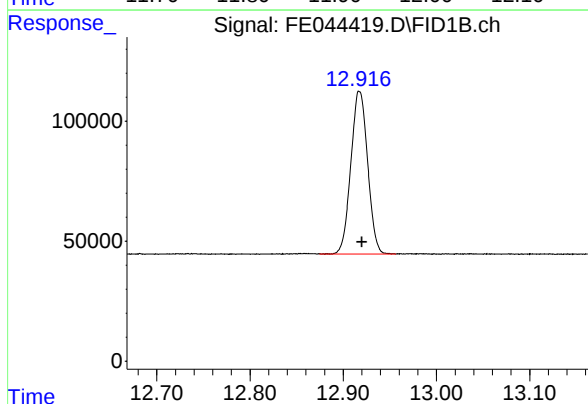
#9 ortho-Terphenyl (SURR)

R.T.: 11.923 min
Delta R.T.: -0.003 min
Response: 984049
Conc: 5.31 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

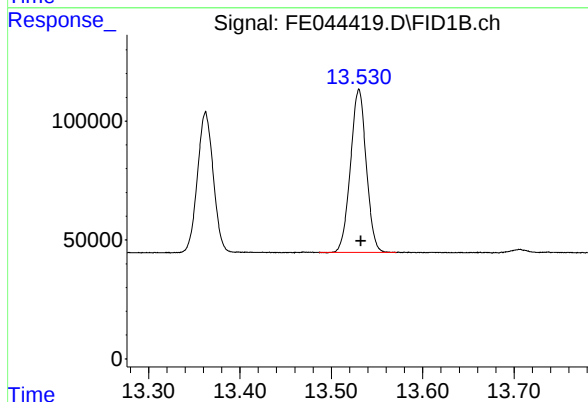
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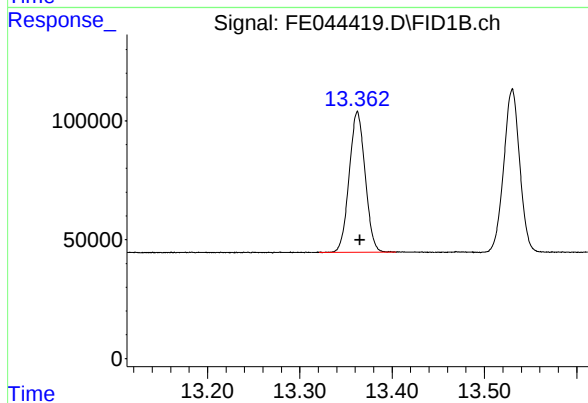
#10 n-Eicosane (C20)

R.T.: 12.917 min
Delta R.T.: -0.003 min
Response: 848998
Conc: 5.35 ug/ml



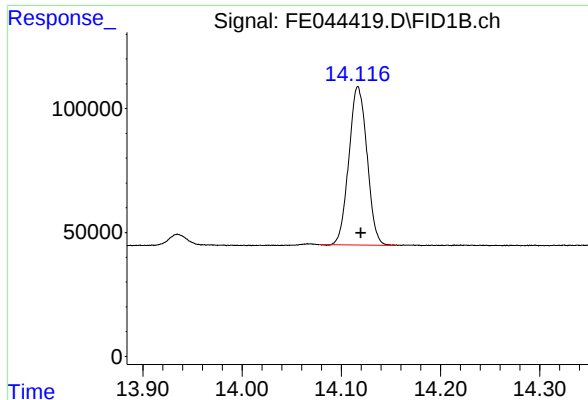
#11 n-Heneicosane (C21)

R.T.: 13.530 min
Delta R.T.: -0.002 min
Response: 823558
Conc: 5.33 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.362 min
Delta R.T.: -0.003 min
Response: 708613
Conc: 5.26 ug/ml



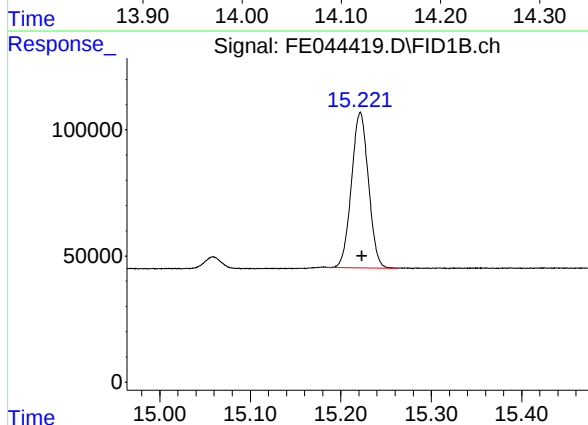
#13 n-Docosane (C22)

R.T.: 14.117 min
Delta R.T.: -0.003 min
Response: 811700
Conc: 5.33 ug/ml

Instrument :
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ClientSampleId :
5 PPM ALIPHATIC HC STD5

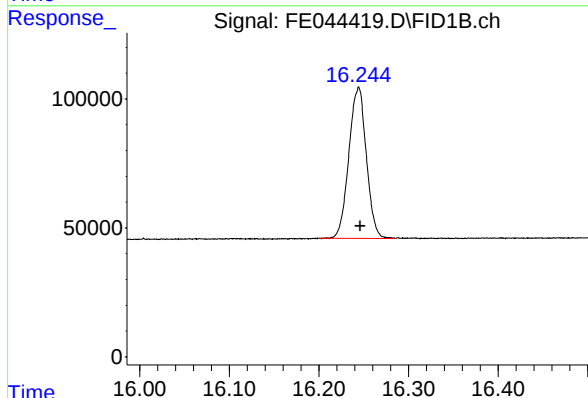
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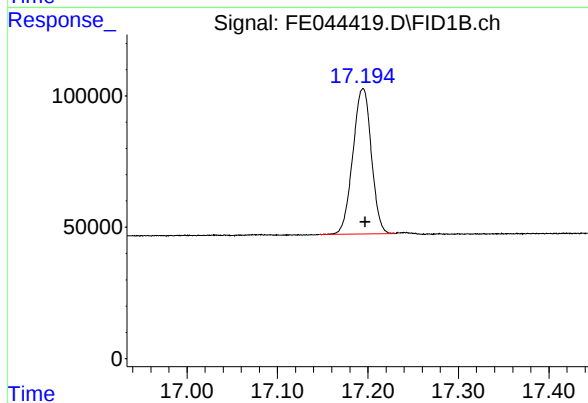
#14 n-Tetracosane (C24)

R.T.: 15.222 min
Delta R.T.: -0.002 min
Response: 803655
Conc: 5.40 ug/ml



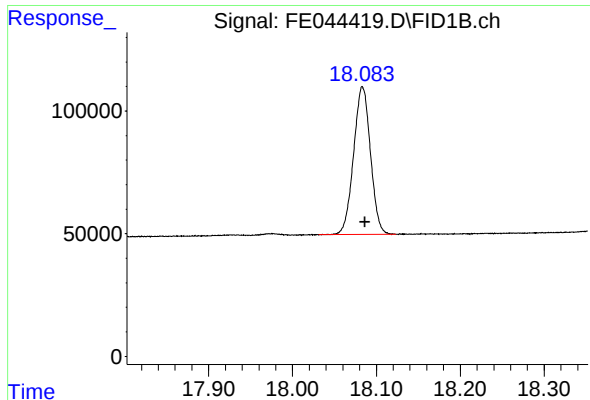
#15 n-Hexacosane (C26)

R.T.: 16.244 min
Delta R.T.: -0.002 min
Response: 793229
Conc: 5.50 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.195 min
Delta R.T.: -0.003 min
Response: 785409
Conc: 5.61 ug/ml



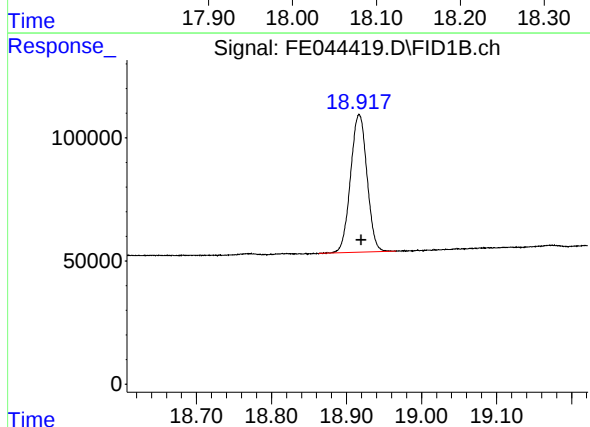
#17 n-Tricontane (C30)

R.T.: 18.083 min
Delta R.T.: -0.003 min
Response: 841801
Conc: 5.88 ug/ml

Instrument :
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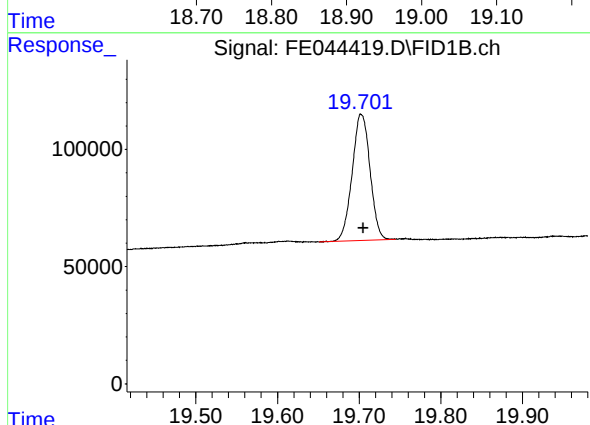
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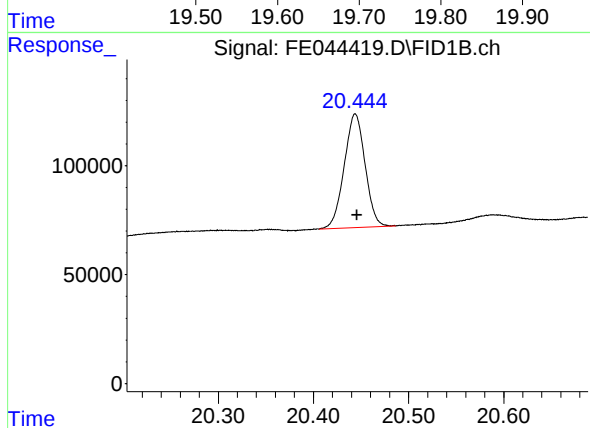
#18 n-Dotriacontane (C32)

R.T.: 18.917 min
Delta R.T.: -0.003 min
Response: 854091
Conc: 6.00 ug/ml



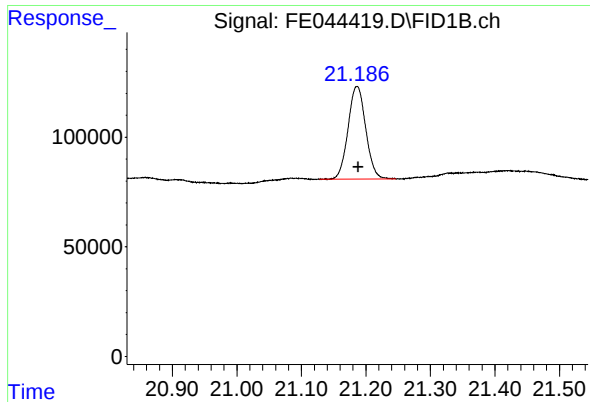
#19 n-Tetratriacontane (C34)

R.T.: 19.703 min
Delta R.T.: -0.002 min
Response: 818295
Conc: 5.77 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.444 min
Delta R.T.: -0.002 min
Response: 797894
Conc: 5.64 ug/ml



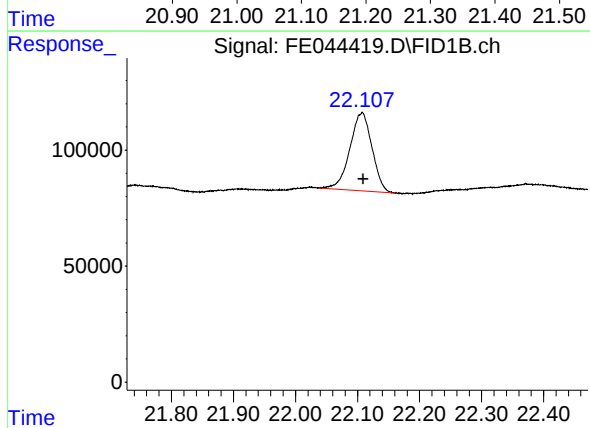
#21 n-Octatriacontane (C38)

R.T.: 21.186 min
Delta R.T.: -0.002 min
Response: 803560
Conc: 5.46 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.107 min
Delta R.T.: -0.002 min
Response: 834732
Conc: 5.37 ug/ml m