

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091223AL\
 Data File : FE044235.D
 Signal(s) : FID1B.ch
 Acq On : 12 Sep 2023 21:48
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/13/2023
 Supervised By :Ankita Jodhani 09/13/2023

Integration File: autoint1.e
 Quant Time: Sep 13 01:34:15 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 083023.M
 Quant Title : GC Extractables
 QLast Update : Thu Aug 31 03:37:37 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)	11.932	3734058	19.710 ug/ml
Spiked Amount 50.000		Recovery =	39.42%
12) S 1-chlorooctadecane (S...	13.371	2809176	20.335 ug/ml
Spiked Amount 50.000		Recovery =	40.67%
Target Compounds			
1) T n-Nonane (C9)	3.319	2901297	17.785 ug/ml
2) T n-Decane (C10)	4.571	3096524	18.630 ug/ml
3) T A~Naphthalene (C11.7)	6.272	3354091	18.731 ug/ml
4) T n-Dodecane (C12)	6.735	3162183	18.803 ug/ml
5) T A~2-methylnaphthalene...	7.368	3299593	19.247 ug/ml
6) T n-Tetradecane (C14)	8.562	3165364	18.874 ug/ml
7) T n-Hexadecane (C16)	10.171	3244027	18.769 ug/ml
8) T n-Octadecane (C18)	11.616	3252523	18.685 ug/ml
10) T n-Eicosane (C20)	12.926	3139879	18.982 ug/ml
11) T n-Heneicosane (C21)	13.539	3075508	19.014 ug/ml
13) T n-Docosane (C22)	14.126	3039207	19.023 ug/ml
14) T n-Tetracosane (C24)	15.230	2964438	18.957 ug/ml
15) T n-Hexacosane (C26)	16.251	2899868	19.236 ug/ml
16) T n-Octacosane (C28)	17.203	2924555	20.266 ug/ml
17) T n-Tricontane (C30)	18.091	3201428	22.036 ug/ml
18) T n-Dotriacontane (C32)	18.926	3314105	23.266 ug/ml
19) T n-Tetratriacontane (C34)	19.710	3164637	22.614 ug/mlm
20) T n-Hexatriacontane (C36)	20.452	2968961	21.656 ug/mlm
21) T n-Octatriacontane (C38)	21.193	2943335	21.203 ug/mlm
22) T n-Tetracontane (C40)	22.115	3538695	25.594 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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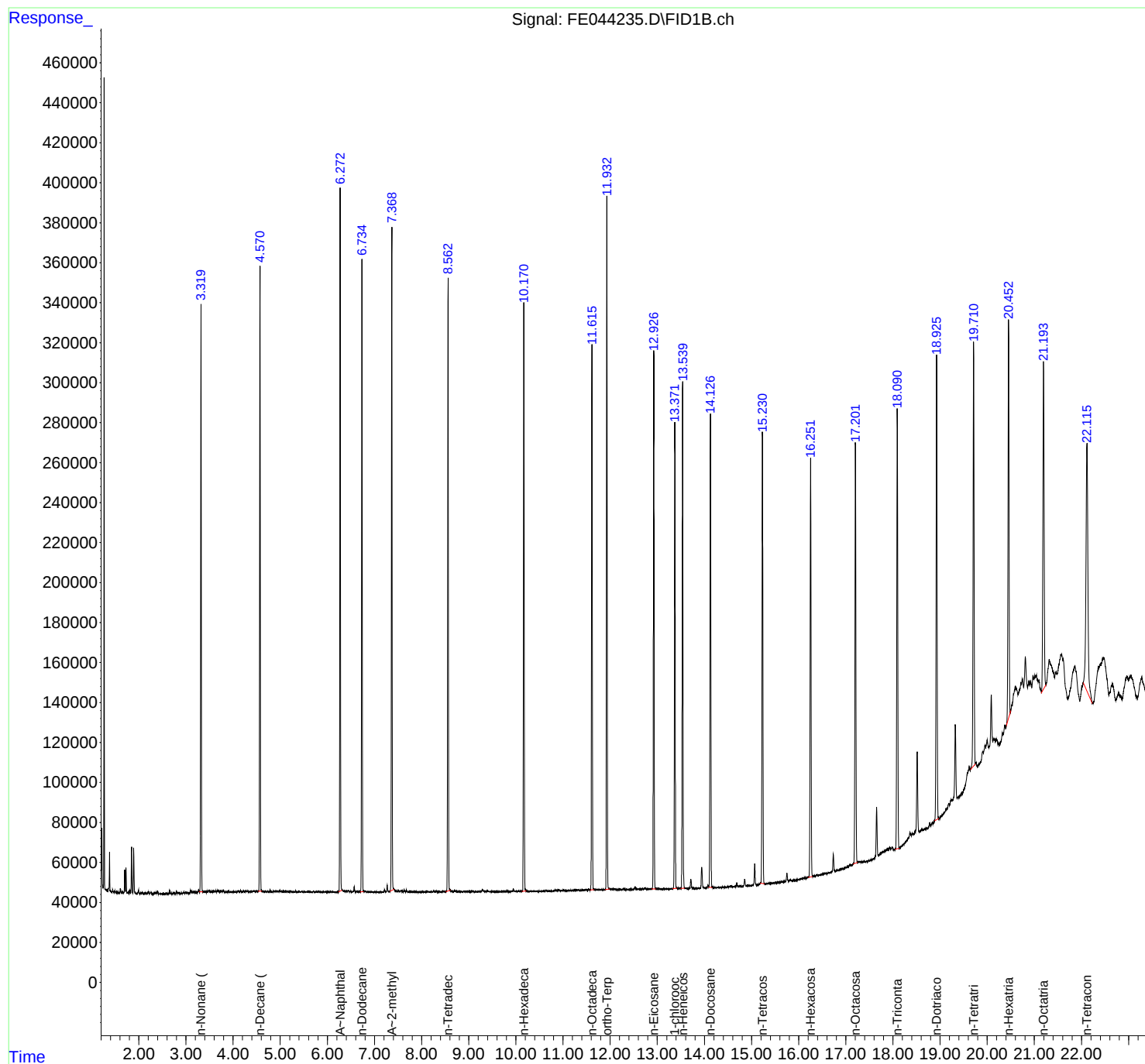
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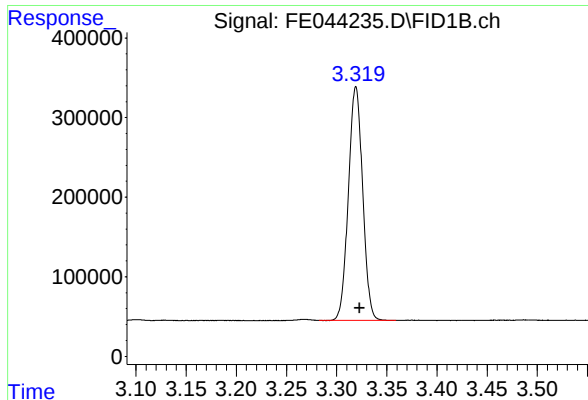
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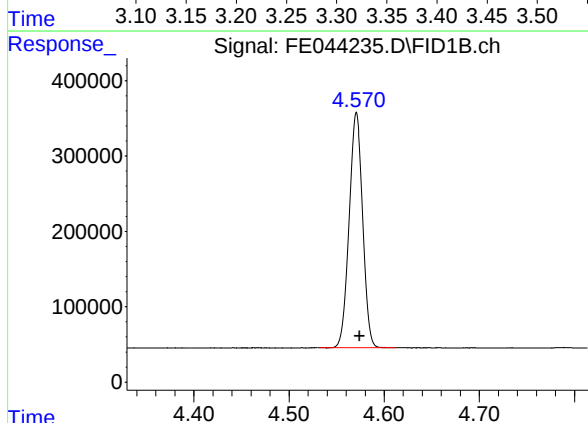
#1 n-Nonane (C9)

R.T.: 3.319 min
Delta R.T.: -0.004 min
Response: 2901297
Conc: 17.78 ug/ml

Instrument : FID_E
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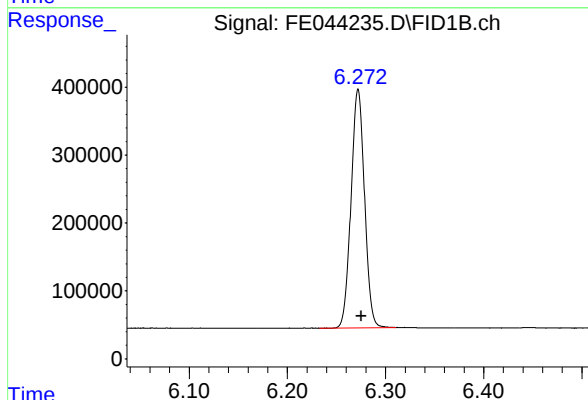
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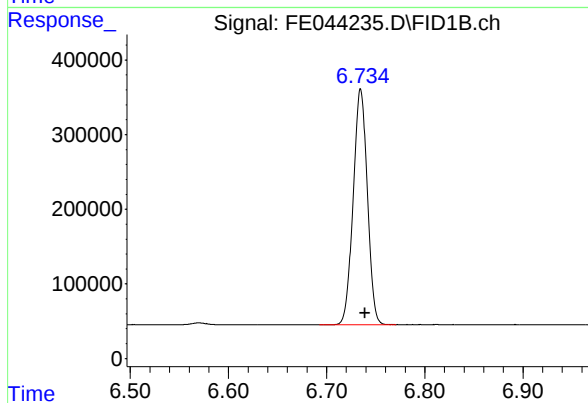
#2 n-Decane (C10)

R.T.: 4.571 min
Delta R.T.: -0.004 min
Response: 3096524
Conc: 18.63 ug/ml



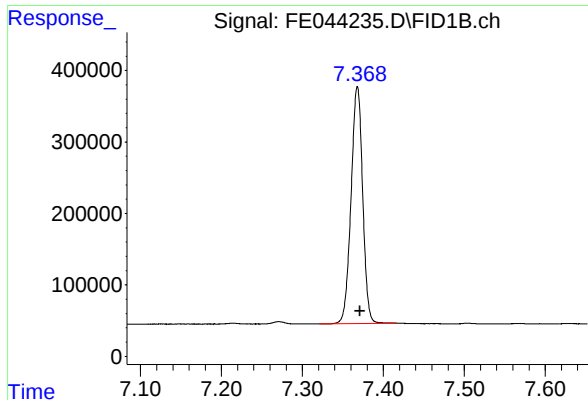
#3 A~Naphthalene (C11.7)

R.T.: 6.272 min
Delta R.T.: -0.003 min
Response: 3354091
Conc: 18.73 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.735 min
Delta R.T.: -0.004 min
Response: 3162183
Conc: 18.80 ug/ml



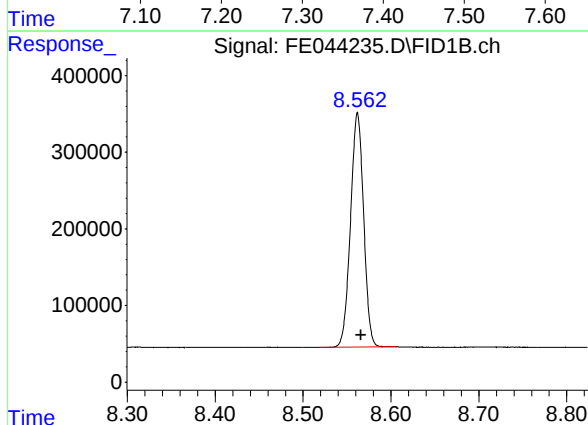
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.368 min
Delta R.T.: -0.003 min
Response: 3299593
Conc: 19.25 ug/ml

Instrument :
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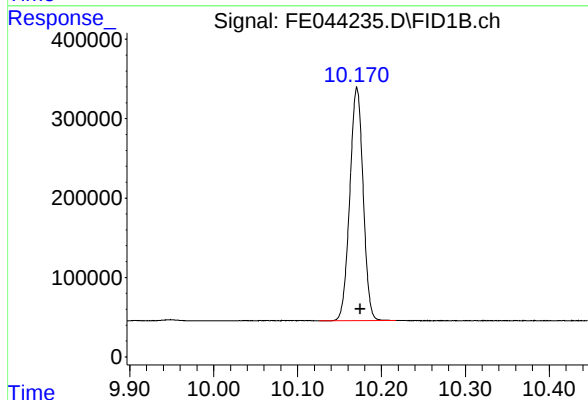
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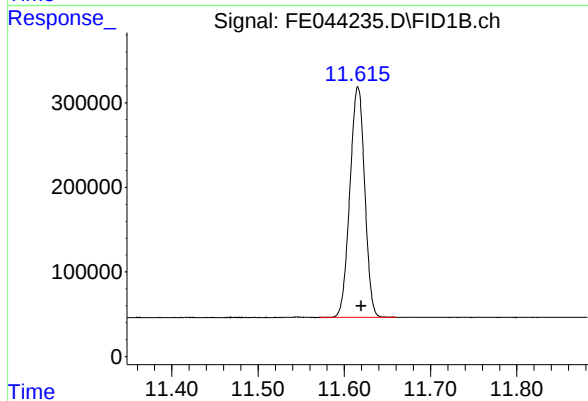
#6 n-Tetradecane (C14)

R.T.: 8.562 min
Delta R.T.: -0.004 min
Response: 3165364
Conc: 18.87 ug/ml



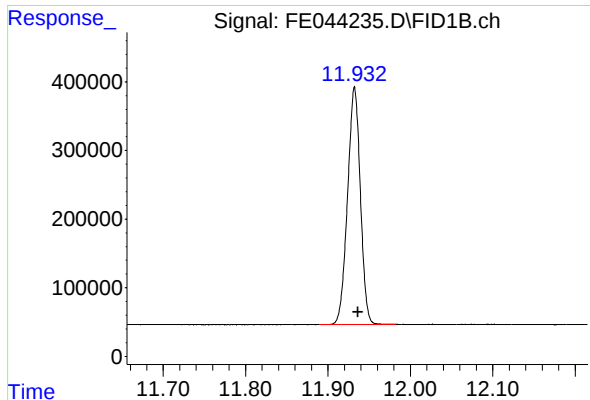
#7 n-Hexadecane (C16)

R.T.: 10.171 min
Delta R.T.: -0.004 min
Response: 3244027
Conc: 18.77 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.616 min
Delta R.T.: -0.004 min
Response: 3252523
Conc: 18.69 ug/ml



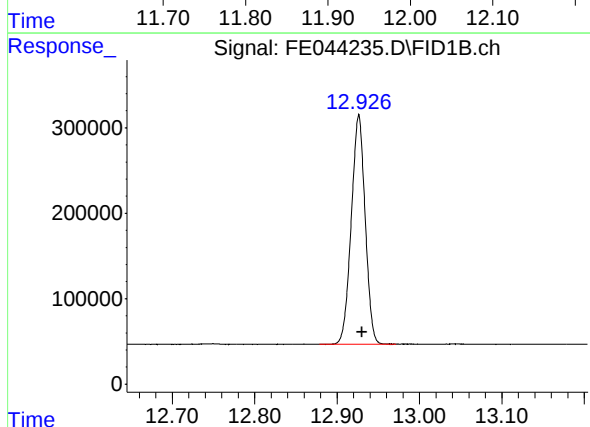
#9 ortho-Terphenyl (SURR)

R.T.: 11.932 min
Delta R.T.: -0.005 min
Response: 3734058
Conc: 19.71 ug/ml

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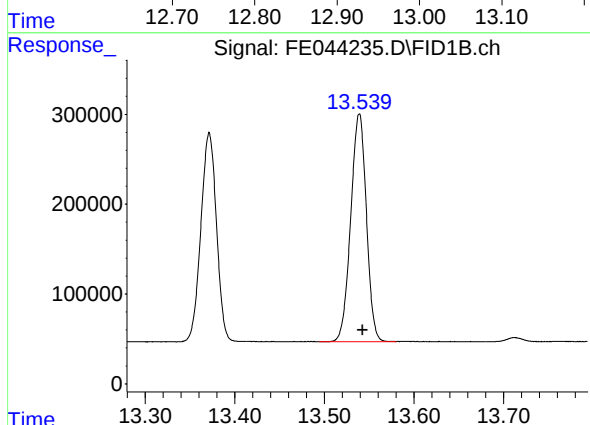
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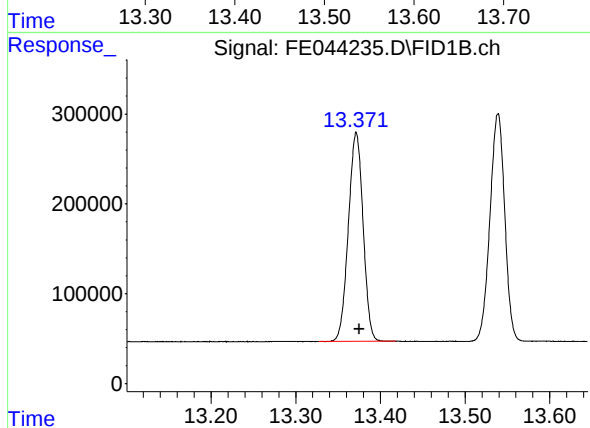
#10 n-Eicosane (C20)

R.T.: 12.926 min
Delta R.T.: -0.004 min
Response: 3139879
Conc: 18.98 ug/ml



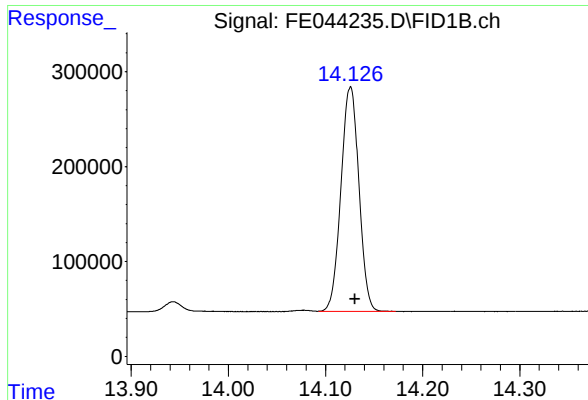
#11 n-Heneicosane (C21)

R.T.: 13.539 min
Delta R.T.: -0.004 min
Response: 3075508
Conc: 19.01 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.371 min
Delta R.T.: -0.004 min
Response: 2809176
Conc: 20.33 ug/ml



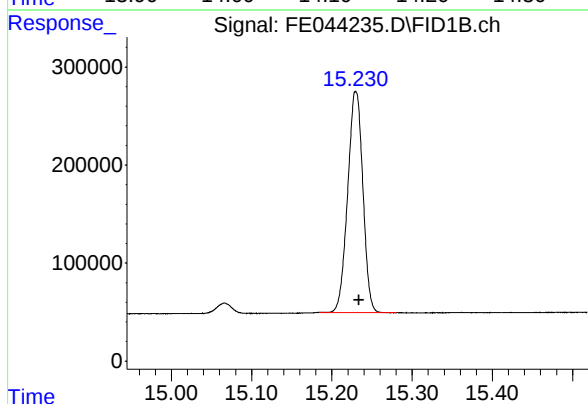
#13 n-Docosane (C22)

R.T.: 14.126 min
Delta R.T.: -0.004 min
Response: 3039207
Conc: 19.02 ug/ml

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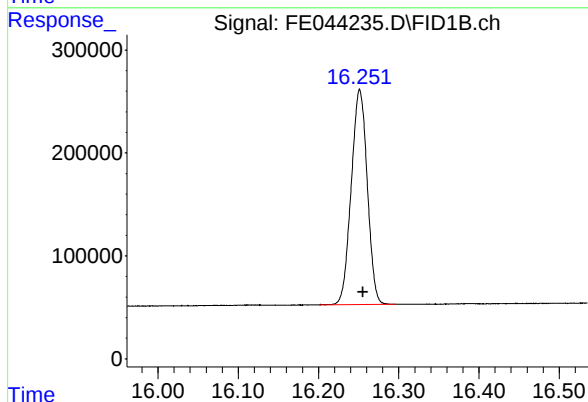
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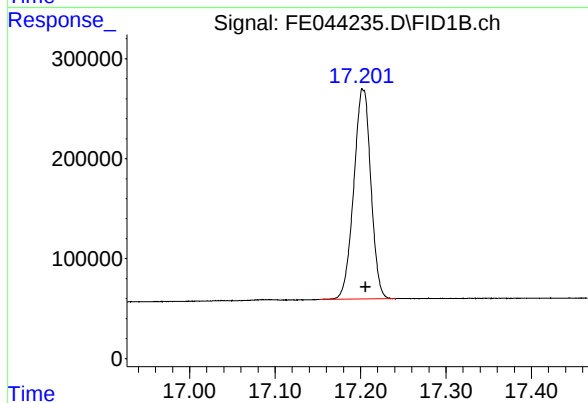
#14 n-Tetracosane (C24)

R.T.: 15.230 min
Delta R.T.: -0.004 min
Response: 2964438
Conc: 18.96 ug/ml



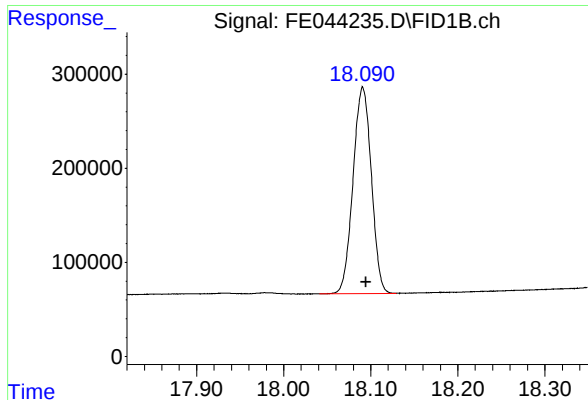
#15 n-Hexacosane (C26)

R.T.: 16.251 min
Delta R.T.: -0.004 min
Response: 2899868
Conc: 19.24 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.203 min
Delta R.T.: -0.003 min
Response: 2924555
Conc: 20.27 ug/ml



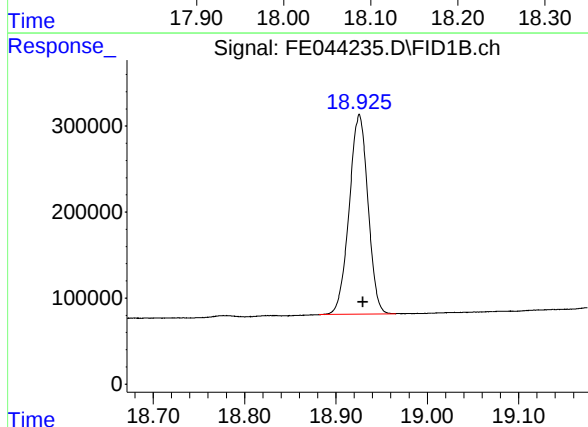
#17 n-Tricontane (C30)

R.T.: 18.091 min
Delta R.T.: -0.004 min
Response: 3201428
Conc: 22.04 ug/ml

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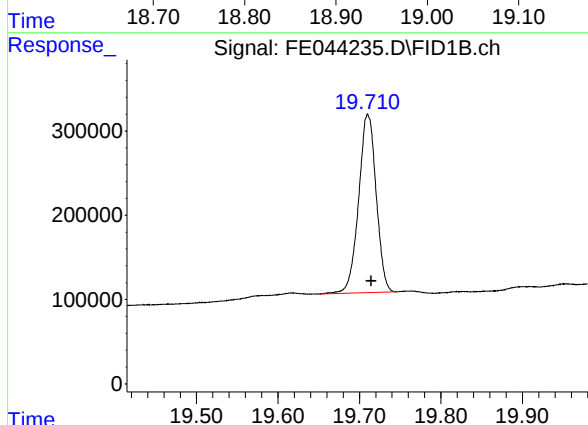
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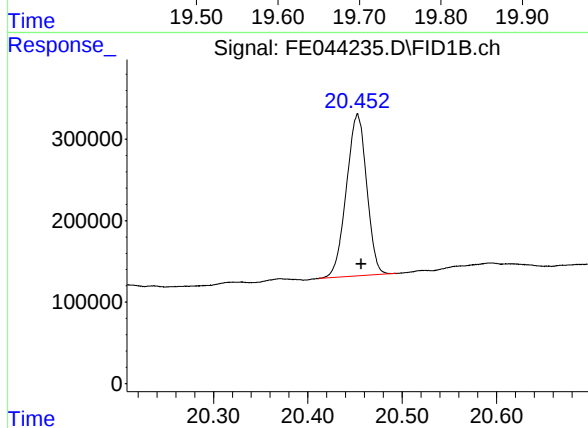
#18 n-Dotriacontane (C32)

R.T.: 18.926 min
Delta R.T.: -0.004 min
Response: 3314105
Conc: 23.27 ug/ml



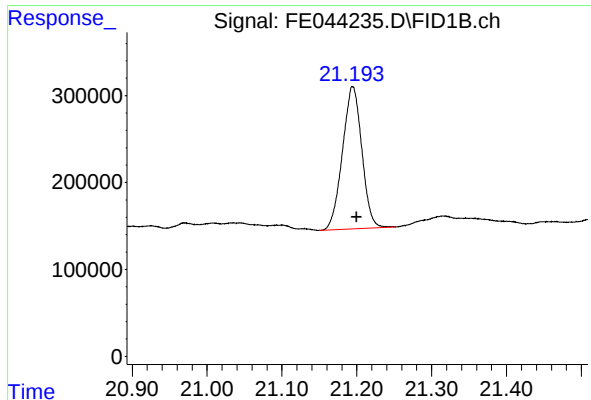
#19 n-Tetratriacontane (C34)

R.T.: 19.710 min
Delta R.T.: -0.005 min
Response: 3164637
Conc: 22.61 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.452 min
Delta R.T.: -0.004 min
Response: 2968961
Conc: 21.66 ug/ml m



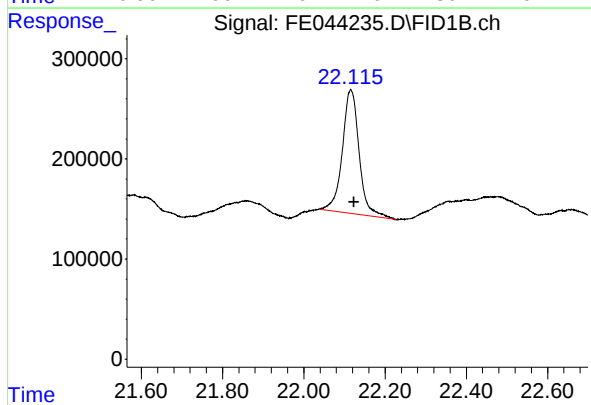
#21 n-Octatriacontane (C38)

R.T.: 21.193 min
Delta R.T.: -0.006 min
Response: 2943335
Conc: 21.20 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.115 min
Delta R.T.: -0.009 min
Response: 3538695
Conc: 25.59 ug/ml m