

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF052323AL\
 Data File : FF012706.D
 Signal(s) : FID2B.ch
 Acq On : 23 May 2023 11:01
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/24/2023
 Supervised By :Ankita Jodhani 05/24/2023

Integration File: autoint1.e
 Quant Time: May 24 00:24:03 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 051923.M
 Quant Title : GC Extractables
 QLast Update : Fri May 19 12:25:00 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)	10.903	3075388	19.200 ug/ml
Spiked Amount 50.000		Recovery =	38.40%
12) S 1-chlorooctadecane (S...	12.334	2278962	19.283 ug/ml
Spiked Amount 50.000		Recovery =	38.57%
Target Compounds			
1) T n-Nonane (C9)	2.765	2534444	19.367 ug/mlm
2) T n-Decane (C10)	3.773	2560863	19.168 ug/ml
3) T A~Naphthalene (C11.7)	5.339	2608847	18.516 ug/ml
4) T n-Dodecane (C12)	5.759	2587513	19.116 ug/ml
5) T A~2-methylnaphthalene...	6.388	2422494	18.253 ug/ml
6) T n-Tetradecane (C14)	7.548	2553134	19.083 ug/ml
7) T n-Hexadecane (C16)	9.144	2651440	19.153 ug/ml
8) T n-Octadecane (C18)	10.584	2746776	19.296 ug/ml
10) T n-Eicosane (C20)	11.889	2670568	19.419 ug/ml
11) T n-Heneicosane (C21)	12.499	2625268	19.412 ug/ml
13) T n-Docosane (C22)	13.084	2601162	19.431 ug/ml
14) T n-Tetracosane (C24)	14.184	2586851	19.674 ug/ml
15) T n-Hexacosane (C26)	15.203	2538882	19.968 ug/ml
16) T n-Octacosane (C28)	16.152	2482900	20.195 ug/ml
17) T n-Tricontane (C30)	17.037	2554160	20.689 ug/ml
18) T n-Dotriacontane (C32)	17.868	2518775	20.818 ug/ml
19) T n-Tetratriacontane (C34)	18.649	2392408	20.449 ug/ml
20) T n-Hexatriacontane (C36)	19.389	2256155	20.025 ug/ml
21) T n-Octatriacontane (C38)	20.116	2192568	19.685 ug/mlm
22) T n-Tetracontane (C40)	21.010	2074433	18.799 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Misc :
ALS Vial : 2 Sample Multiplier: 1

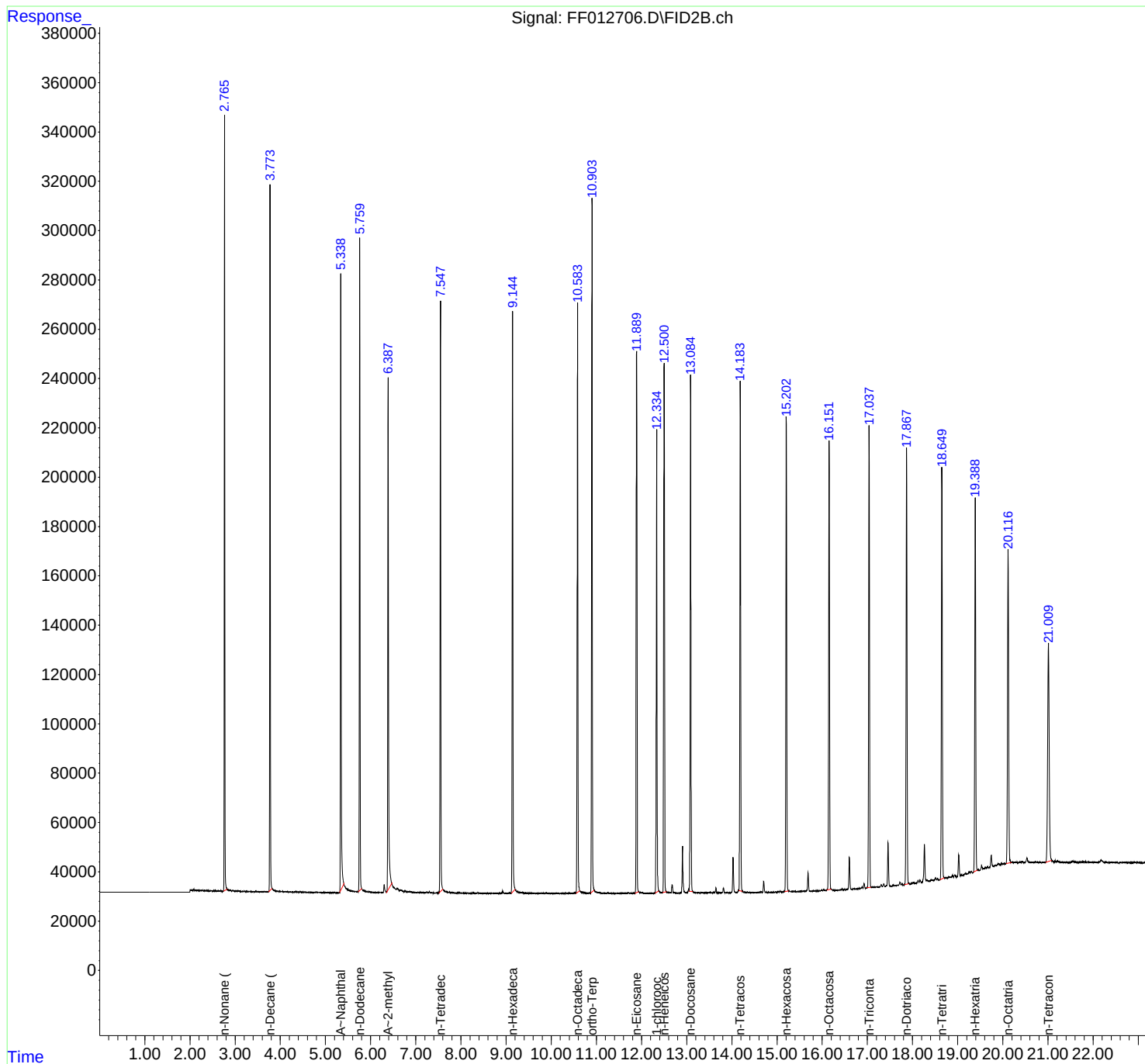
Instrument :
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20 PPM ALIPHATIC HC STD

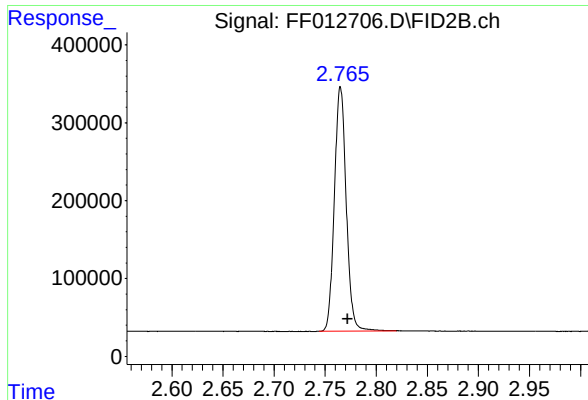
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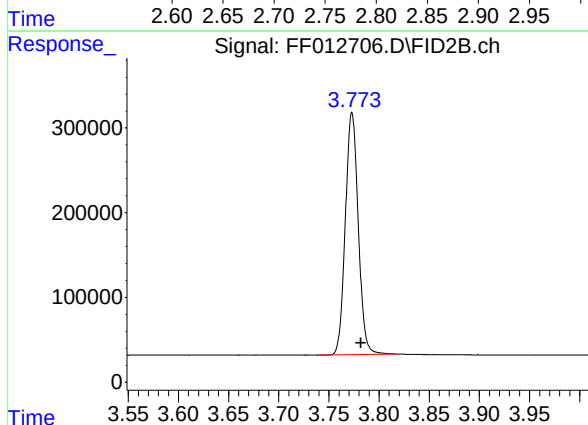
#1 n-Nonane (C9)

R.T.: 2.765 min
Delta R.T.: -0.007 min
Response: 2534444
Conc: 19.37 ug/ml

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20 PPM ALIPHATIC HC STD

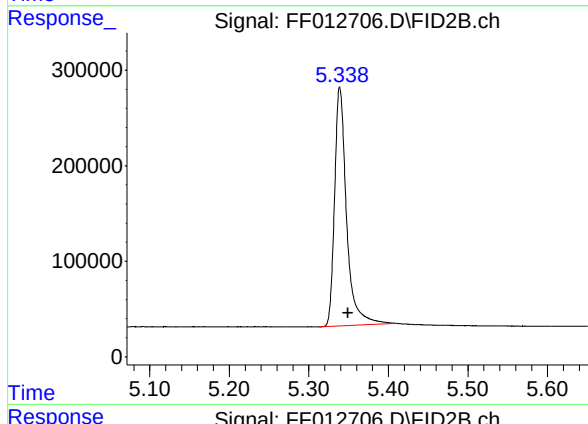
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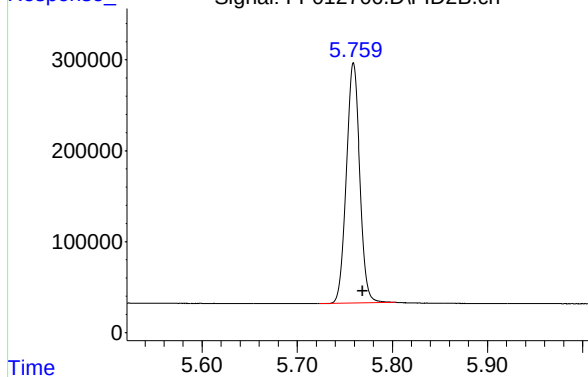
#2 n-Decane (C10)

R.T.: 3.773 min
Delta R.T.: -0.009 min
Response: 2560863
Conc: 19.17 ug/ml



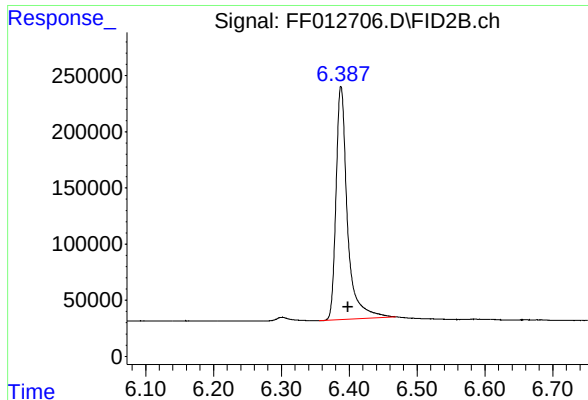
#3 A~Naphthalene (C11.7)

R.T.: 5.339 min
Delta R.T.: -0.010 min
Response: 2608847
Conc: 18.52 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.759 min
Delta R.T.: -0.010 min
Response: 2587513
Conc: 19.12 ug/ml



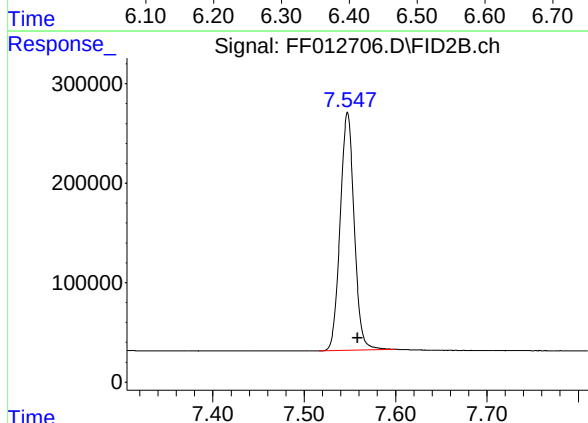
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.388 min
Delta R.T.: -0.010 min
Response: 2422494
Conc: 18.25 ug/ml

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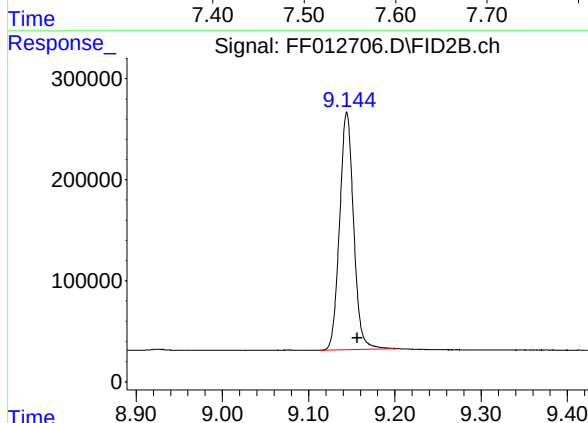
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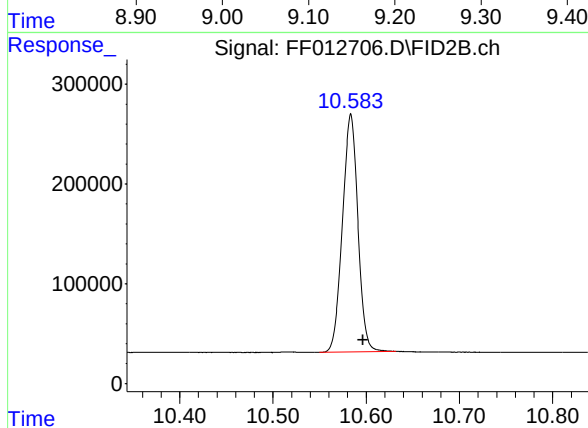
#6 n-Tetradecane (C14)

R.T.: 7.548 min
Delta R.T.: -0.011 min
Response: 2553134
Conc: 19.08 ug/ml



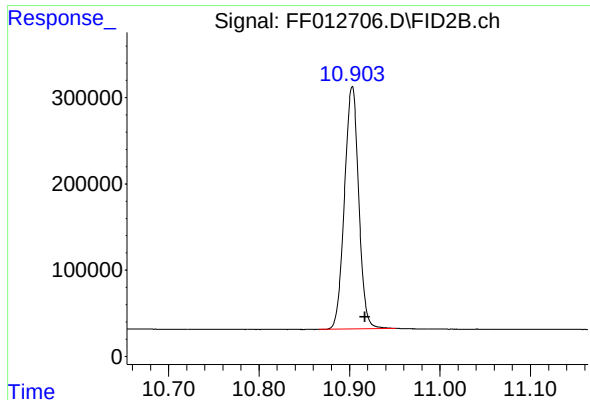
#7 n-Hexadecane (C16)

R.T.: 9.144 min
Delta R.T.: -0.012 min
Response: 2651440
Conc: 19.15 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.584 min
Delta R.T.: -0.013 min
Response: 2746776
Conc: 19.30 ug/ml



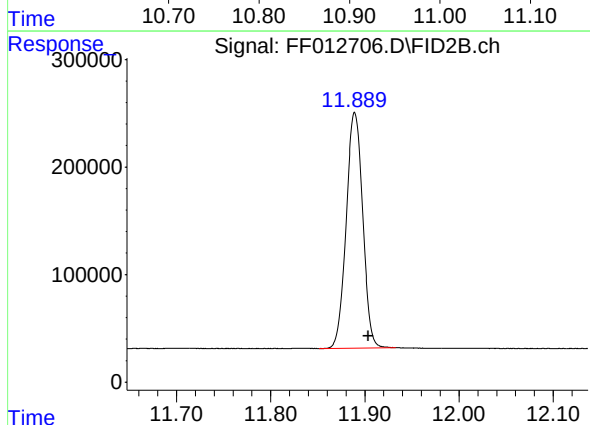
#9 ortho-Terphenyl (SURR)

R.T.: 10.903 min
Delta R.T.: -0.014 min
Response: 3075388
Conc: 19.20 ug/ml

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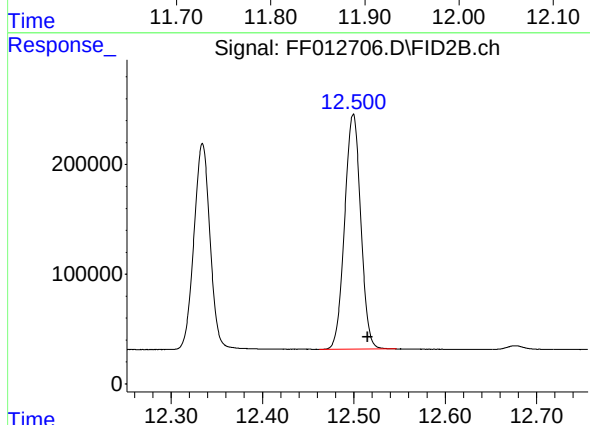
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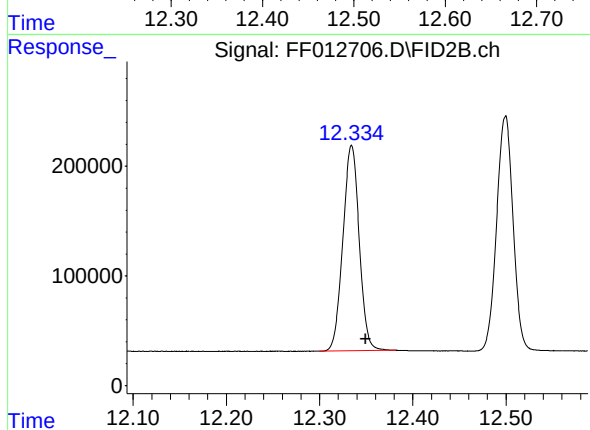
#10 n-Eicosane (C20)

R.T.: 11.889 min
Delta R.T.: -0.014 min
Response: 2670568
Conc: 19.42 ug/ml



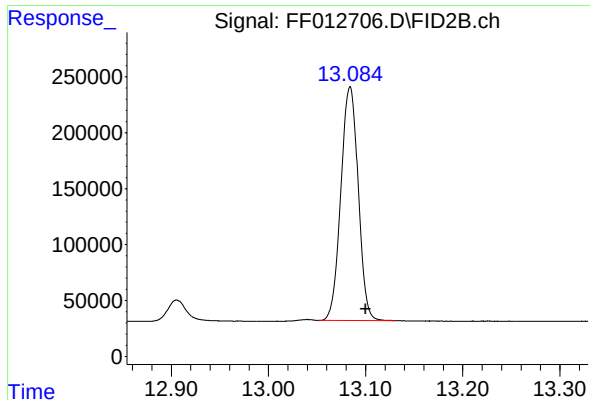
#11 n-Heneicosane (C21)

R.T.: 12.499 min
Delta R.T.: -0.016 min
Response: 2625268
Conc: 19.41 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.334 min
Delta R.T.: -0.015 min
Response: 2278962
Conc: 19.28 ug/ml



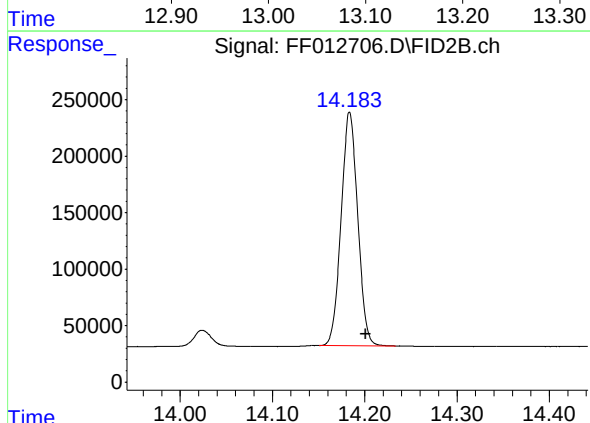
#13 n-Docosane (C22)

R.T.: 13.084 min
Delta R.T.: -0.016 min
Response: 2601162
Conc: 19.43 ug/ml

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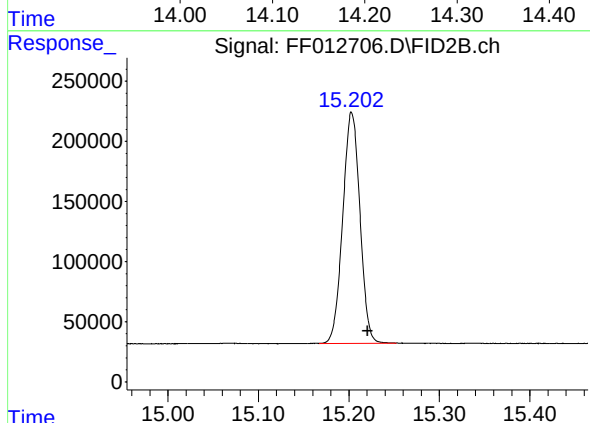
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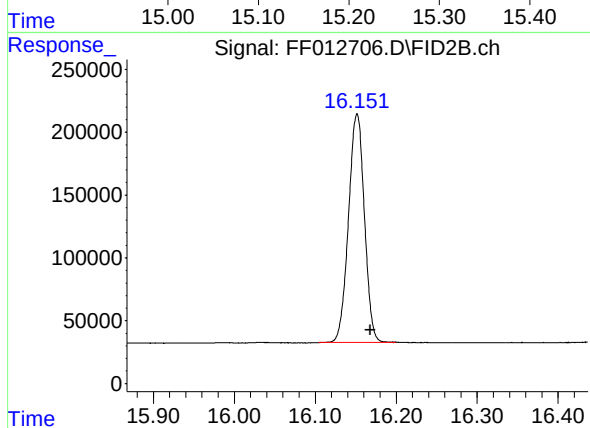
#14 n-Tetracosane (C24)

R.T.: 14.184 min
Delta R.T.: -0.018 min
Response: 2586851
Conc: 19.67 ug/ml



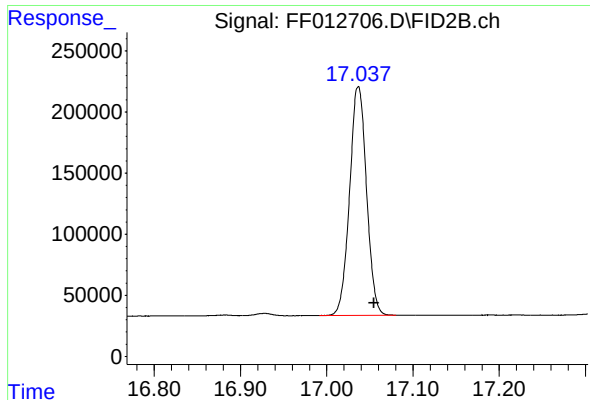
#15 n-Hexacosane (C26)

R.T.: 15.203 min
Delta R.T.: -0.018 min
Response: 2538882
Conc: 19.97 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.152 min
Delta R.T.: -0.016 min
Response: 2482900
Conc: 20.19 ug/ml



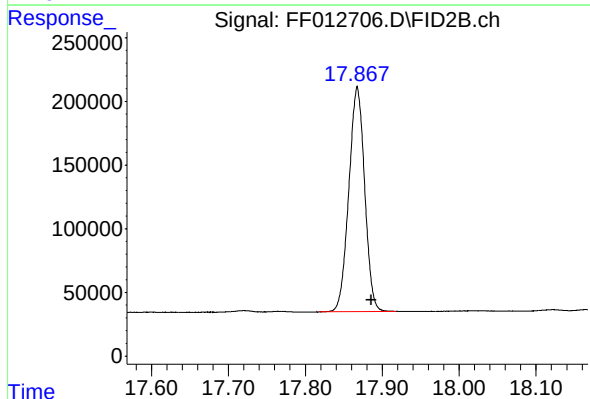
#17 n-Tricontane (C30)

R.T.: 17.037 min
Delta R.T.: -0.019 min
Response: 2554160
Conc: 20.69 ug/ml

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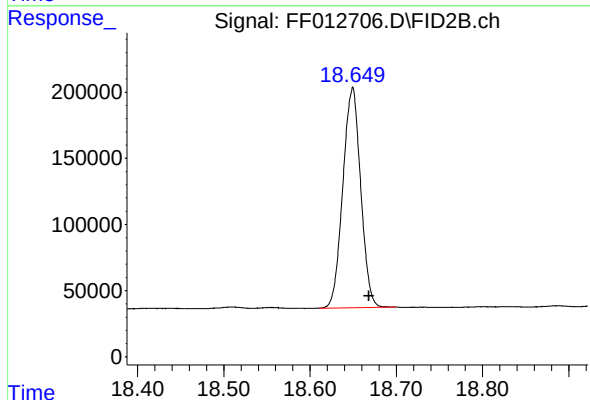
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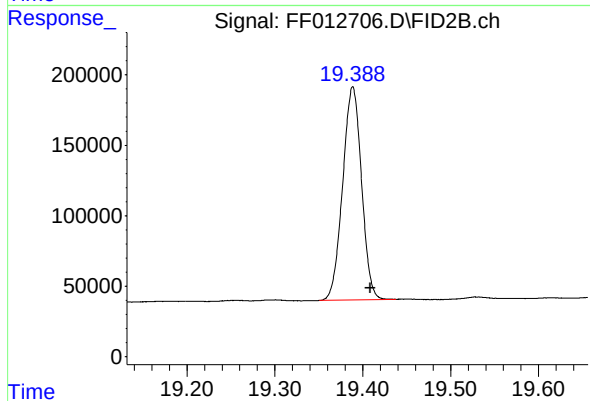
#18 n-Dotriacontane (C32)

R.T.: 17.868 min
Delta R.T.: -0.018 min
Response: 2518775
Conc: 20.82 ug/ml



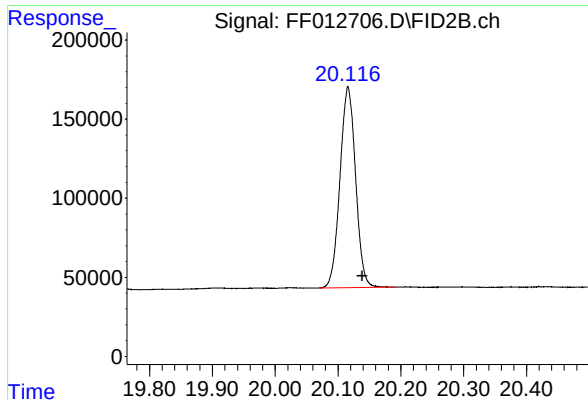
#19 n-Tetratriacontane (C34)

R.T.: 18.649 min
Delta R.T.: -0.019 min
Response: 2392408
Conc: 20.45 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.389 min
Delta R.T.: -0.020 min
Response: 2256155
Conc: 20.02 ug/ml



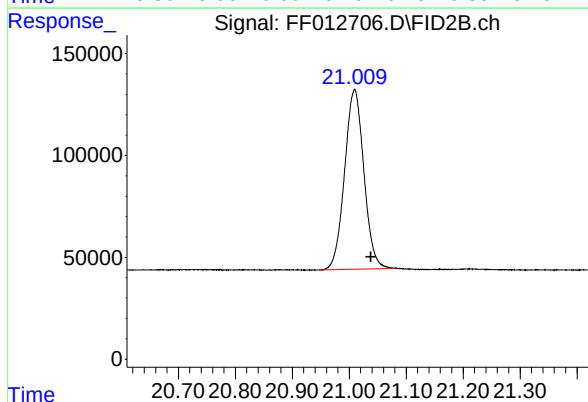
#21 n-Octatriacontane (C38)

R.T.: 20.116 min
Delta R.T.: -0.023 min
Response: 2192568
Conc: 19.68 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.010 min
Delta R.T.: -0.029 min
Response: 2074433
Conc: 18.80 ug/ml