

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF091624AL\
 Data File : FF014520.D
 Signal(s) : FID2B.ch
 Acq On : 16 Sep 2024 09:12
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/17/2024
 Supervised By :Ankita Jodhani 09/17/2024

Integration File: autoint1.e
 Quant Time: Sep 17 06:21:54 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 091124.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 11 08:07:41 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			
9) S ortho-Terphenyl (SURR)	11.797	3071332	21.509 ug/ml
Spiked Amount 50.000		Recovery =	43.02%
12) S 1-chlorooctadecane (S...	13.239	2223781	20.905 ug/ml
Spiked Amount 50.000		Recovery =	41.81%
Target Compounds			
1) T n-Nonane (C9)	3.200	2583349	21.778 ug/ml
2) T n-Decane (C10)	4.450	2616274	21.834 ug/ml
3) T A~Naphthalene (C11.7)	6.143	2728537	22.088 ug/ml
4) T n-Dodecane (C12)	6.615	2676682	21.718 ug/ml
5) T A~2-methylnaphthalene...	7.238	2510459	22.474 ug/ml
6) T n-Tetradecane (C14)	8.441	2622887	21.947 ug/ml
7) T n-Hexadecane (C16)	10.046	2676535	21.954 ug/ml
8) T n-Octadecane (C18)	11.488	2782769	21.785 ug/ml
10) T n-Eicosane (C20)	12.797	2726601	21.561 ug/ml
11) T n-Heneicosane (C21)	13.408	2698007	21.583 ug/ml
13) T n-Docosane (C22)	13.994	2701443	21.867 ug/ml
14) T n-Tetracosane (C24)	15.096	2707809	22.139 ug/ml
15) T n-Hexacosane (C26)	16.116	2675420	22.347 ug/ml
16) T n-Octacosane (C28)	17.066	2622035	22.585 ug/ml
17) T n-Tricontane (C30)	17.952	2634483	22.485 ug/ml
18) T n-Dotriacontane (C32)	18.784	2495448	22.464 ug/ml
19) T n-Tetratriacontane (C34)	19.565	2111760	21.981 ug/ml
20) T n-Hexatriacontane (C36)	20.303	1700801	20.947 ug/ml
21) T n-Octatriacontane (C38)	21.023	1317502	18.070 ug/ml
22) T n-Tetracontane (C40)	21.890	1014156	16.115 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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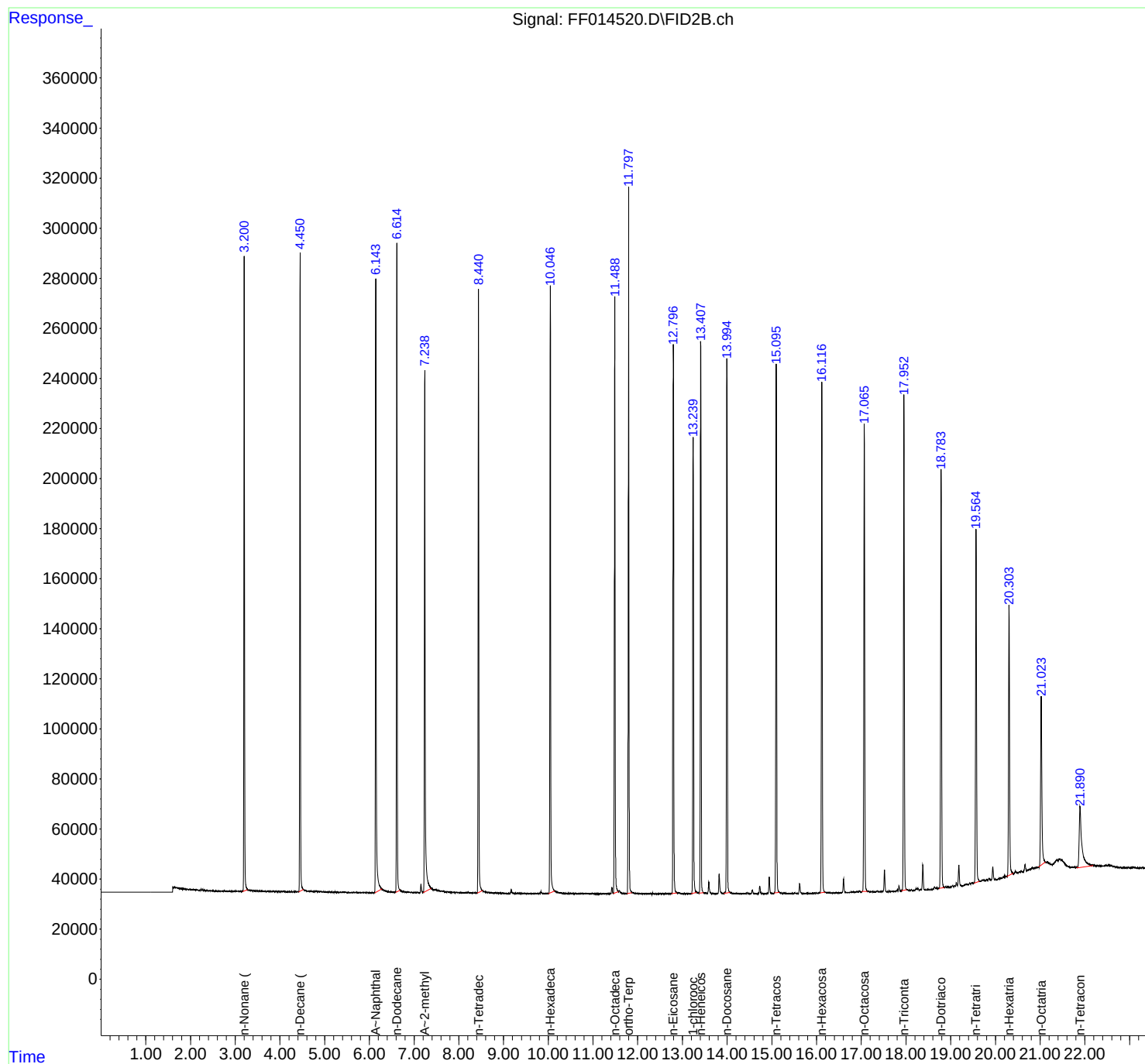
Instrument :
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20 PPM ALIPHATIC HC STD

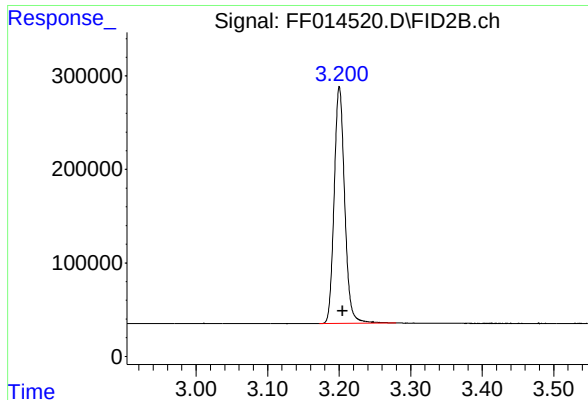
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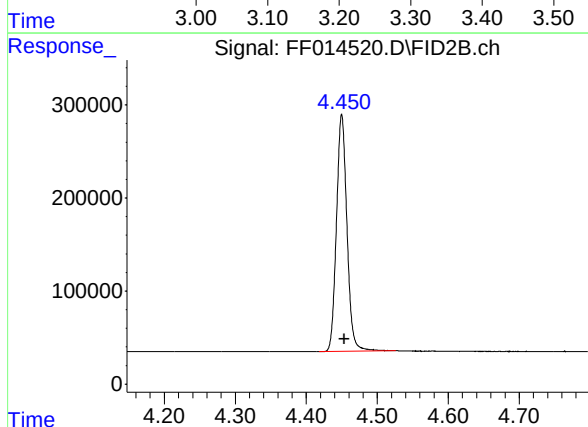
#1 n-Nonane (C9)

R.T.: 3.200 min
Delta R.T.: -0.005 min
Response: 2583349
Conc: 21.78 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

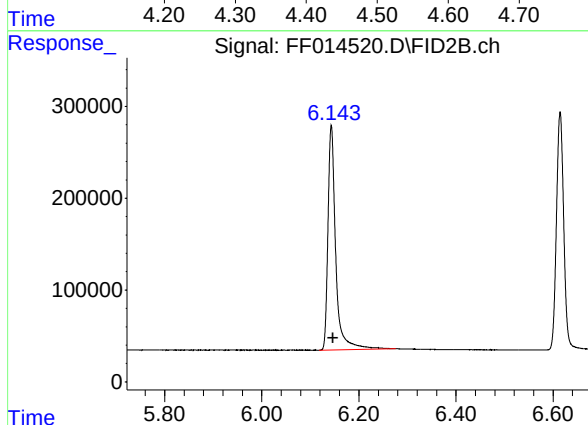
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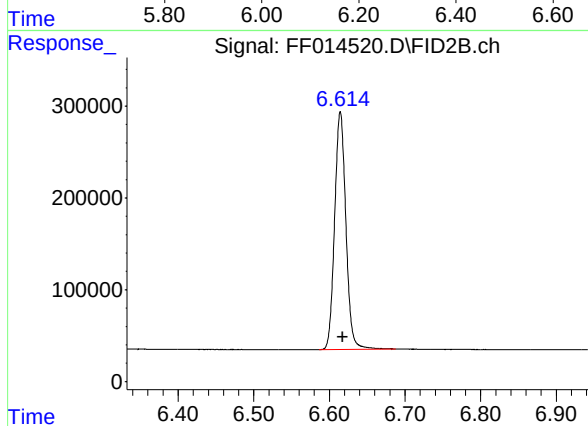
#2 n-Decane (C10)

R.T.: 4.450 min
Delta R.T.: -0.003 min
Response: 2616274
Conc: 21.83 ug/ml



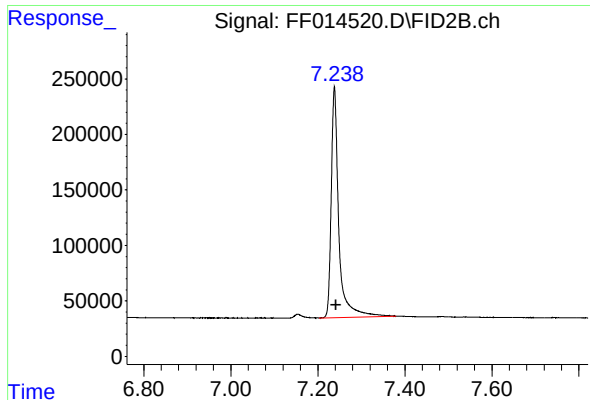
#3 A~Naphthalene (C11.7)

R.T.: 6.143 min
Delta R.T.: -0.003 min
Response: 2728537
Conc: 22.09 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.615 min
Delta R.T.: -0.003 min
Response: 2676682
Conc: 21.72 ug/ml



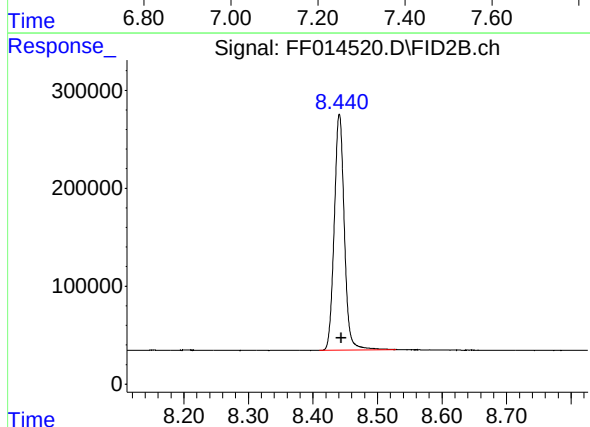
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.238 min
Delta R.T.: -0.004 min
Response: 2510459
Conc: 22.47 ug/ml

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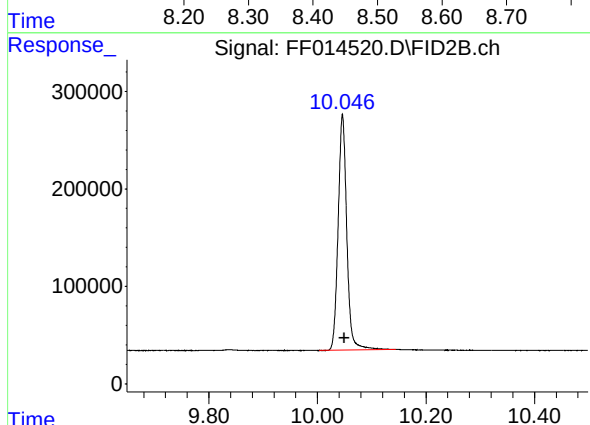
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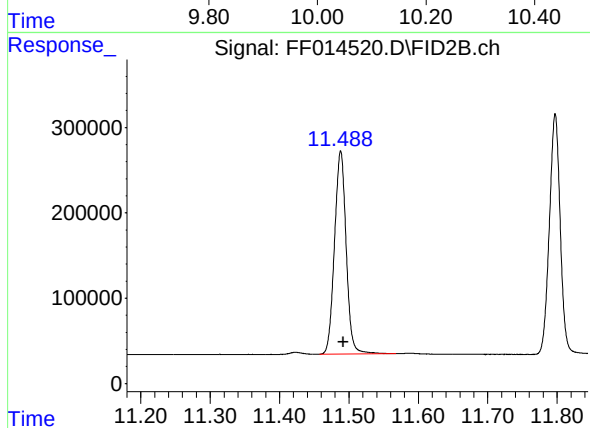
#6 n-Tetradecane (C14)

R.T.: 8.441 min
Delta R.T.: -0.002 min
Response: 2622887
Conc: 21.95 ug/ml



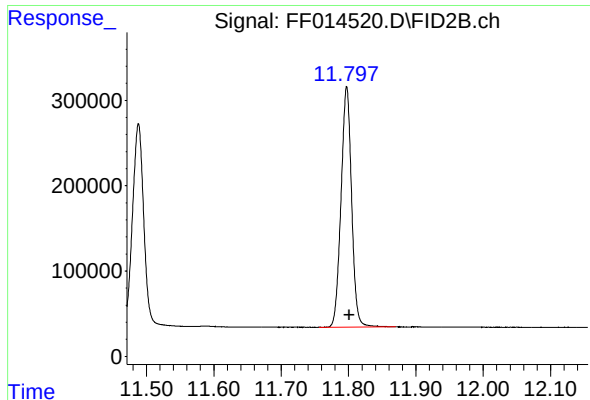
#7 n-Hexadecane (C16)

R.T.: 10.046 min
Delta R.T.: -0.003 min
Response: 2676535
Conc: 21.95 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.488 min
Delta R.T.: -0.004 min
Response: 2782769
Conc: 21.79 ug/ml



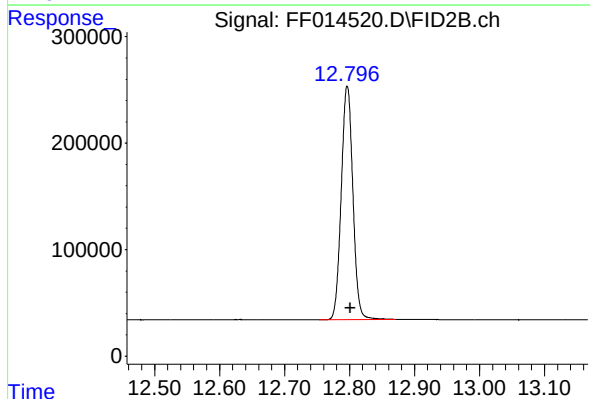
#9 ortho-Terphenyl (SURR)

R.T.: 11.797 min
Delta R.T.: -0.004 min
Response: 3071332
Conc: 21.51 ug/ml

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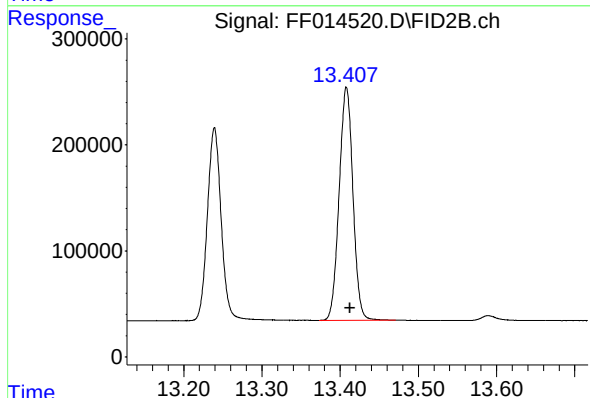
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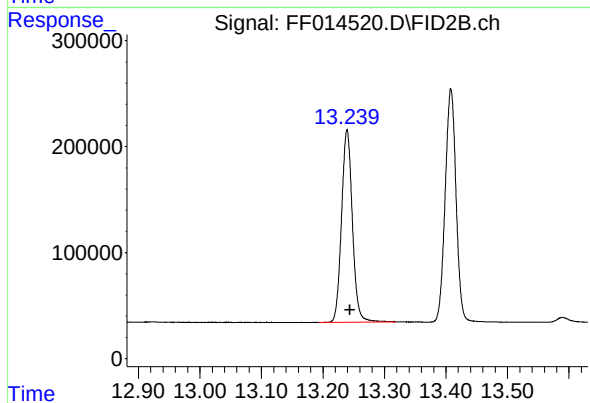
#10 n-Eicosane (C20)

R.T.: 12.797 min
Delta R.T.: -0.005 min
Response: 2726601
Conc: 21.56 ug/ml



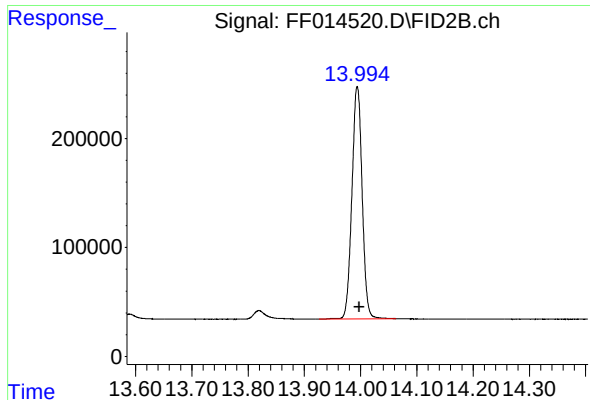
#11 n-Heneicosane (C21)

R.T.: 13.408 min
Delta R.T.: -0.005 min
Response: 2698007
Conc: 21.58 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.239 min
Delta R.T.: -0.005 min
Response: 2223781
Conc: 20.91 ug/ml



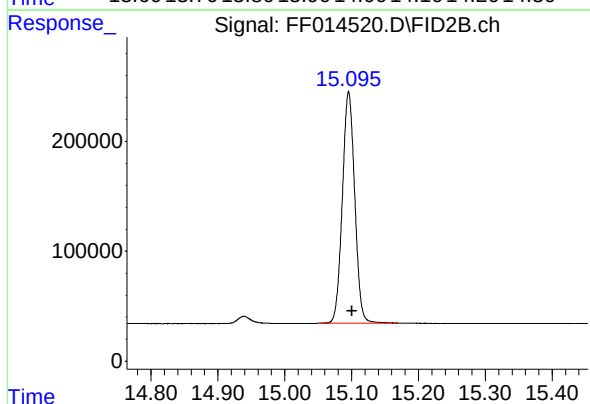
#13 n-Docosane (C22)

R.T.: 13.994 min
Delta R.T.: -0.004 min
Response: 2701443
Conc: 21.87 ug/ml

Instrument :
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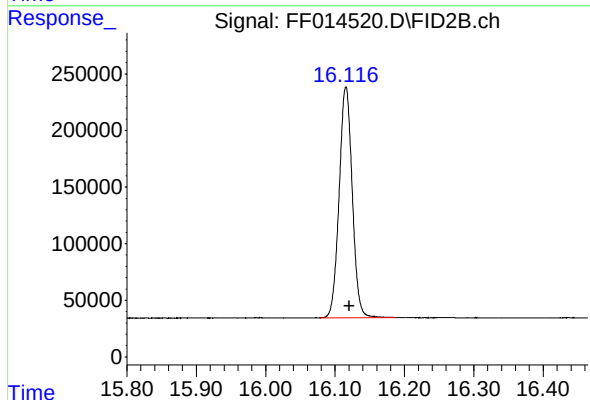
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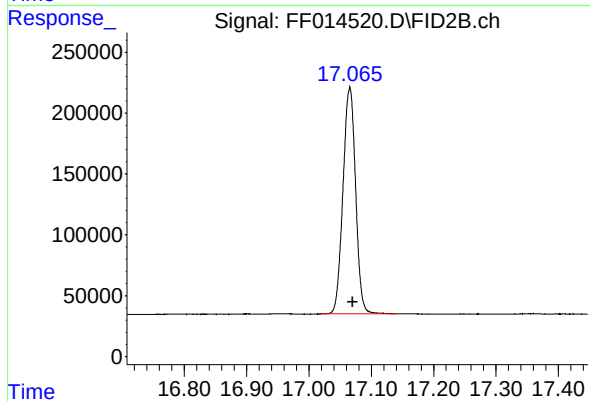
#14 n-Tetracosane (C24)

R.T.: 15.096 min
Delta R.T.: -0.005 min
Response: 2707809
Conc: 22.14 ug/ml



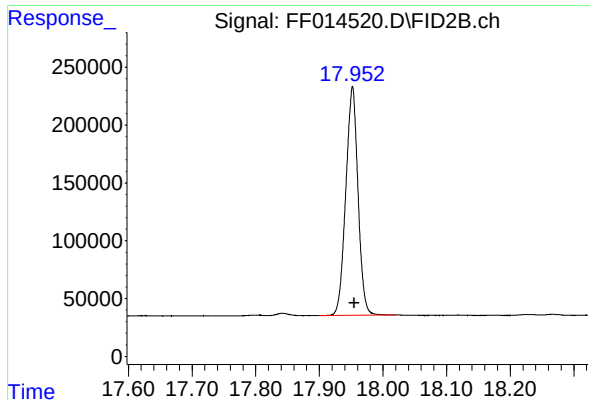
#15 n-Hexacosane (C26)

R.T.: 16.116 min
Delta R.T.: -0.005 min
Response: 2675420
Conc: 22.35 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.066 min
Delta R.T.: -0.004 min
Response: 2622035
Conc: 22.59 ug/ml



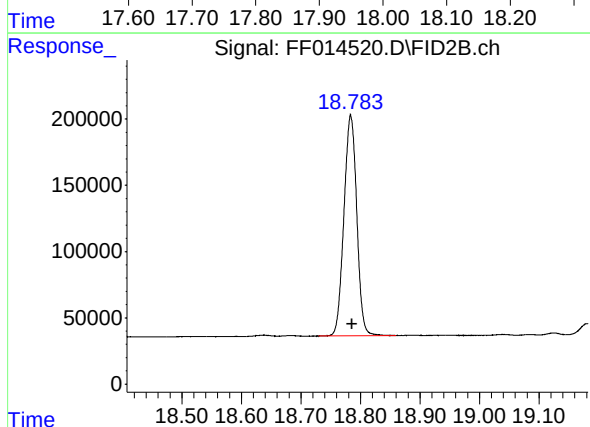
#17 n-Tricontane (C30)

R.T.: 17.952 min
Delta R.T.: -0.003 min
Response: 2634483
Conc: 22.49 ug/ml

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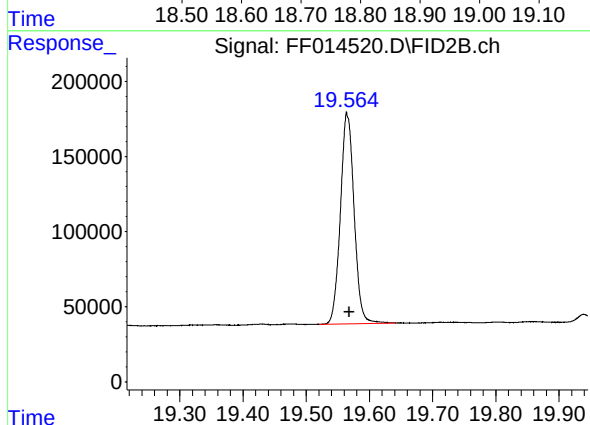
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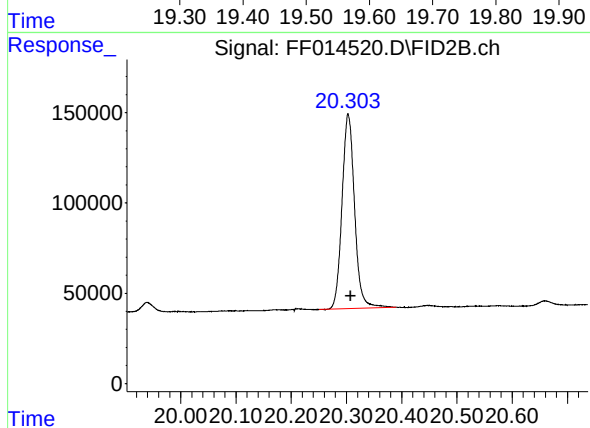
#18 n-Dotriacontane (C32)

R.T.: 18.784 min
Delta R.T.: -0.002 min
Response: 2495448
Conc: 22.46 ug/ml



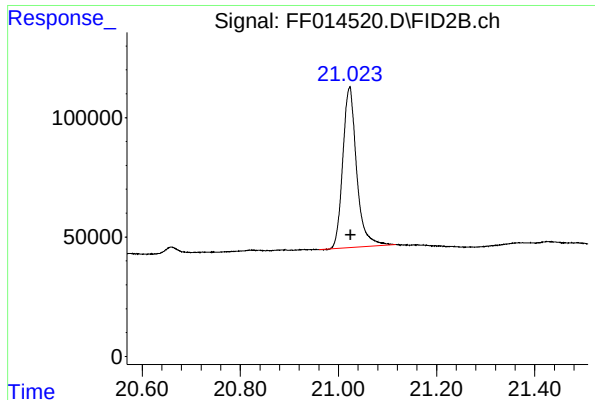
#19 n-Tetratriacontane (C34)

R.T.: 19.565 min
Delta R.T.: -0.004 min
Response: 2111760
Conc: 21.98 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.303 min
Delta R.T.: -0.005 min
Response: 1700801
Conc: 20.95 ug/ml



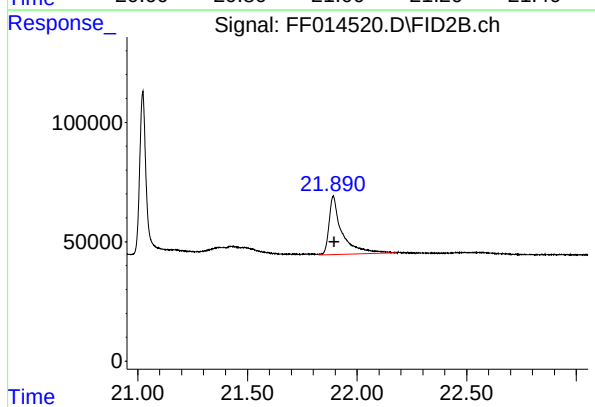
#21 n-Octatriacontane (C38)

R.T.: 21.023 min
Delta R.T.: -0.002 min
Response: 1317502
Conc: 18.07 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.890 min
Delta R.T.: -0.008 min
Response: 1014156
Conc: 16.12 ug/ml m