

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF120825AL\
 Data File : FF016869.D
 Signal(s) : FID2B.ch
 Acq On : 08 Dec 2025 20:17
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 12/09/2025
 Supervised By :Yogesh Patel 12/09/2025

Integration File: autoint1.e
 Quant Time: Dec 09 04:38:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 102925.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 30 03:19:27 2025
 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)	11.942	2934686	19.811 ug/ml
Spiked Amount 50.000		Recovery =	39.62%
12) S 1-chlorooctadecane (S...	13.383	2220651	19.345 ug/mlm
Spiked Amount 50.000		Recovery =	38.69%
Target Compounds			
1) T n-Nonane (C9)	3.301	2370687	19.761 ug/ml
2) T n-Decane (C10)	4.560	2512113	20.549 ug/ml
3) T A~Naphthalene (C11.7)	6.271	2623988	20.369 ug/ml
4) T n-Dodecane (C12)	6.738	2549454	20.699 ug/ml
5) T A~2-methylnaphthalene...	7.370	2527578	20.765 ug/ml
6) T n-Tetradecane (C14)	8.571	2532886	20.869 ug/ml
7) T n-Hexadecane (C16)	10.180	2605576	20.497 ug/mlm
8) T n-Octadecane (C18)	11.626	2640858	19.987 ug/ml
10) T n-Eicosane (C20)	12.939	2615847	19.868 ug/ml
11) T n-Heneicosane (C21)	13.552	2573277	19.709 ug/ml
13) T n-Docosane (C22)	14.140	2584062	19.433 ug/ml
14) T n-Tetracosane (C24)	15.247	2626579	18.882 ug/ml
15) T n-Hexacosane (C26)	16.271	2567418	18.532 ug/ml
16) T n-Octacosane (C28)	17.225	2577677	18.651 ug/ml
17) T n-Tricontane (C30)	18.115	2751476	19.565 ug/ml
18) T n-Dotriacontane (C32)	18.951	2781956	20.522 ug/mlm
19) T n-Tetratriacontane (C34)	19.738	2529468	21.382 ug/ml
20) T n-Hexatriacontane (C36)	20.481	2144216	21.855 ug/ml
21) T n-Octatriacontane (C38)	21.233	1906471	21.660 ug/mlm
22) T n-Tetracontane (C40)	22.172	1782349	21.017 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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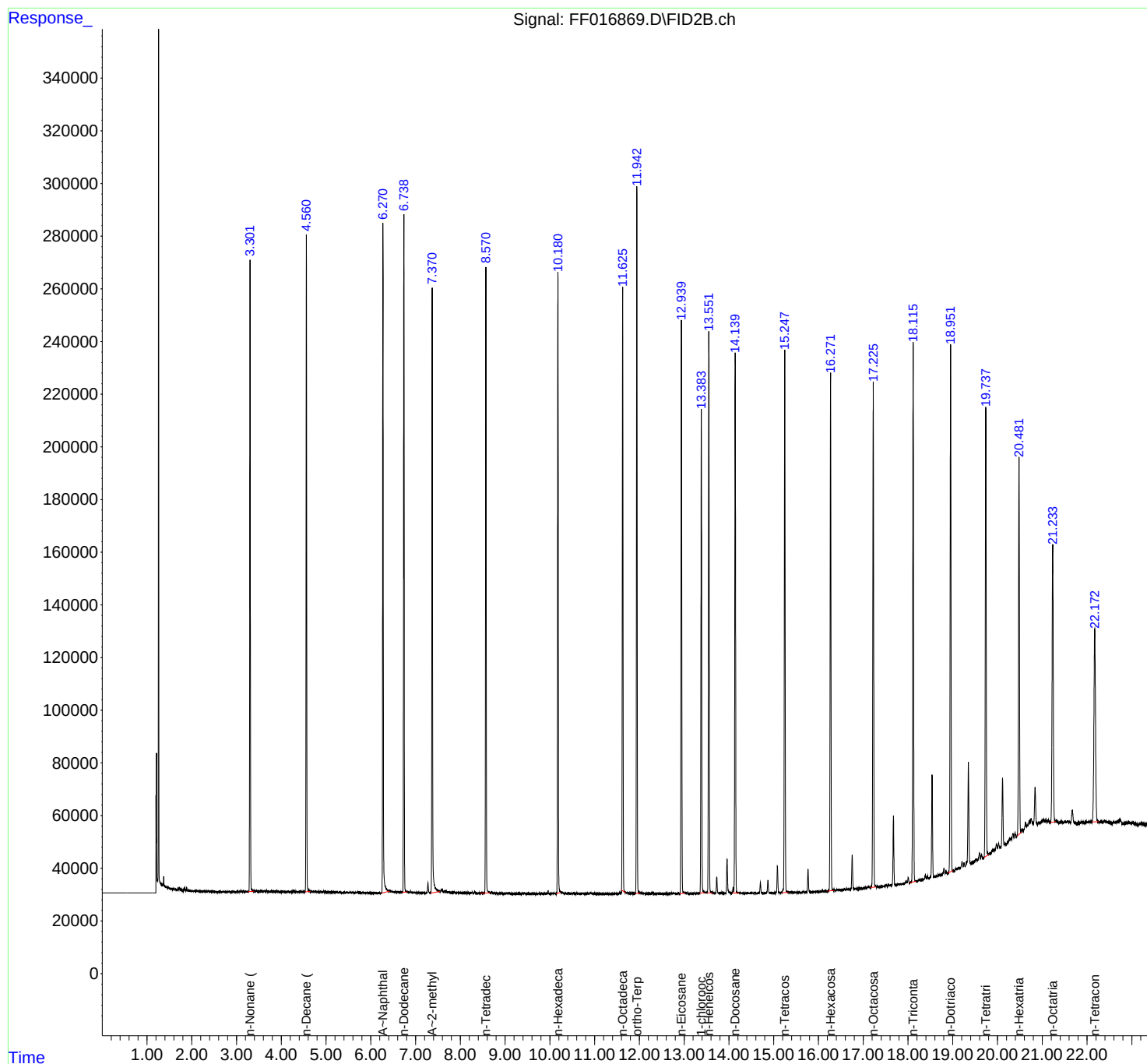
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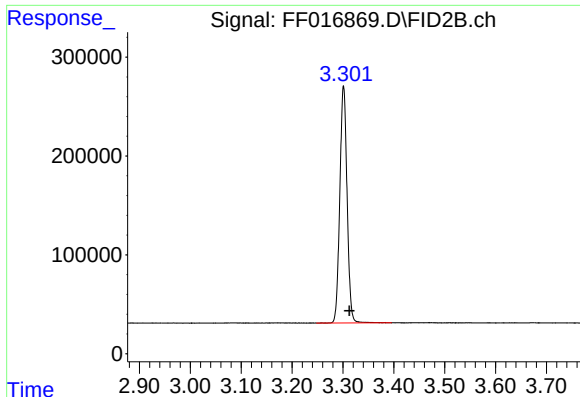
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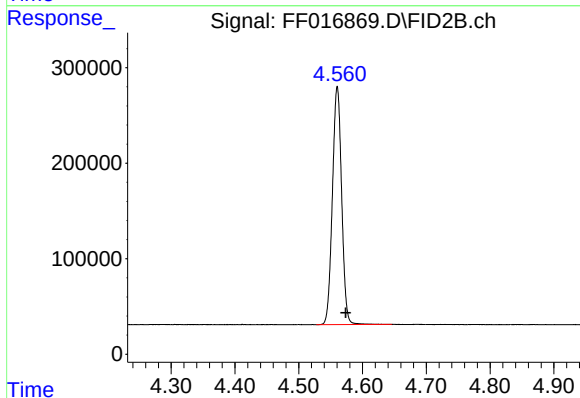
#1 n-Nonane (C9)

R.T.: 3.301 min
Delta R.T.: -0.012 min
Response: 2370687
Conc: 19.76 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

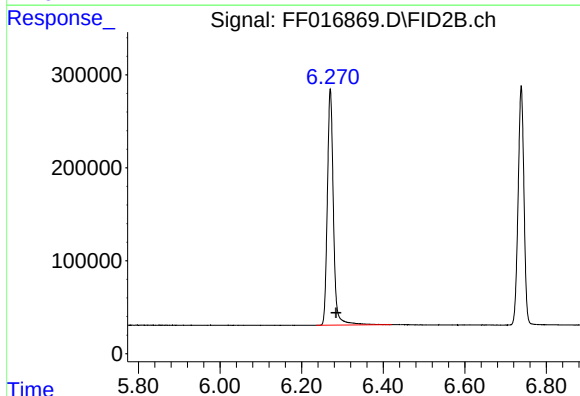
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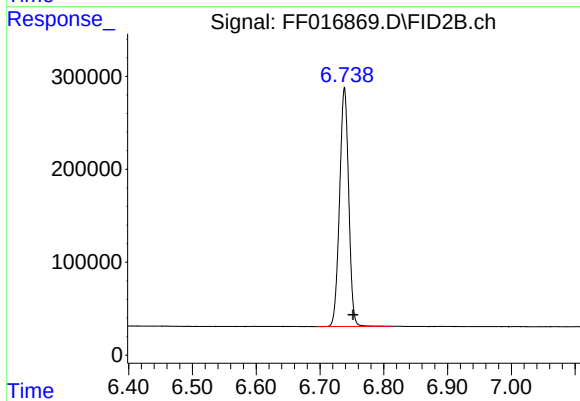
#2 n-Decane (C10)

R.T.: 4.560 min
Delta R.T.: -0.013 min
Response: 2512113
Conc: 20.55 ug/ml



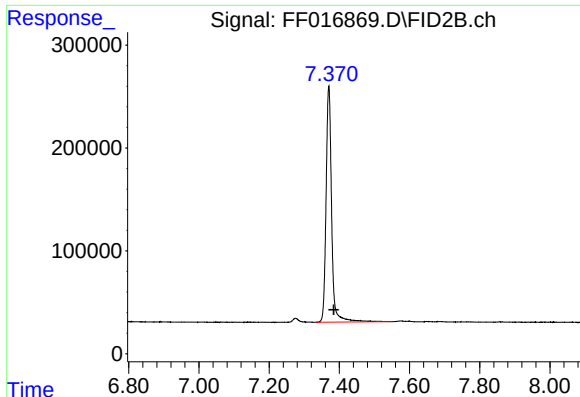
#3 A~Naphthalene (C11.7)

R.T.: 6.271 min
Delta R.T.: -0.014 min
Response: 2623988
Conc: 20.37 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.738 min
Delta R.T.: -0.013 min
Response: 2549454
Conc: 20.70 ug/ml



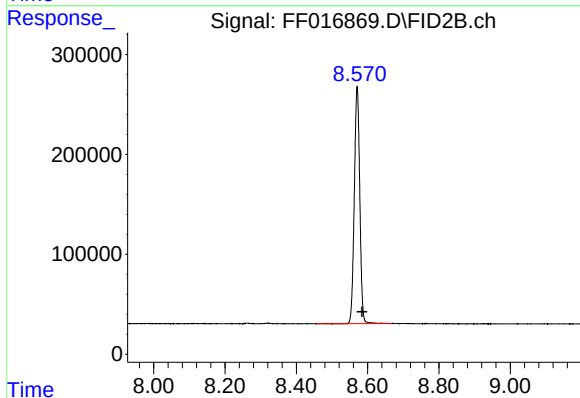
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.370 min
Delta R.T.: -0.014 min
Response: 2527578
Conc: 20.77 ug/ml

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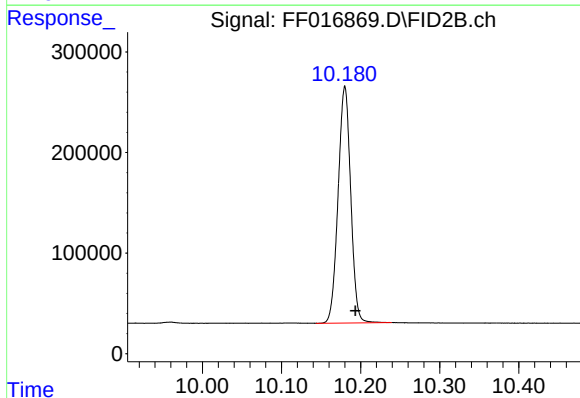
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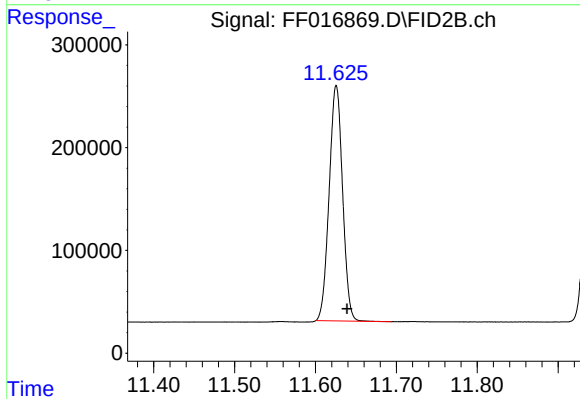
#6 n-Tetradecane (C14)

R.T.: 8.571 min
Delta R.T.: -0.014 min
Response: 2532886
Conc: 20.87 ug/ml



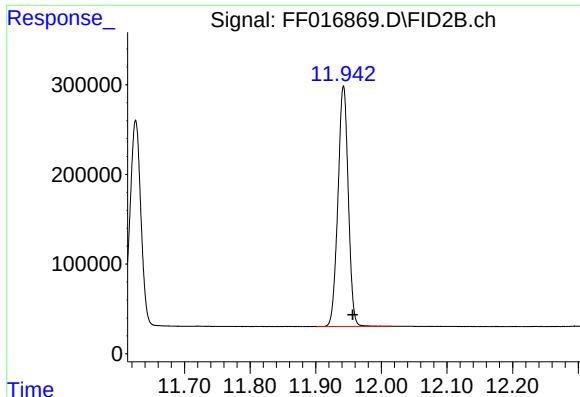
#7 n-Hexadecane (C16)

R.T.: 10.180 min
Delta R.T.: -0.014 min
Response: 2605576
Conc: 20.50 ug/ml m



#8 n-Octadecane (C18)

R.T.: 11.626 min
Delta R.T.: -0.013 min
Response: 2640858
Conc: 19.99 ug/ml



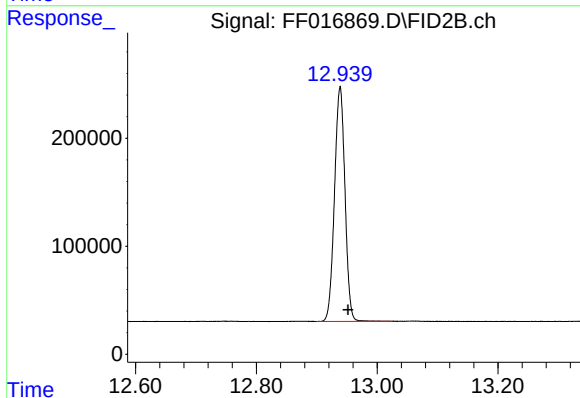
#9 ortho-Terphenyl (SURR)

R.T.: 11.942 min
Delta R.T.: -0.014 min
Response: 2934686
Conc: 19.81 ug/ml

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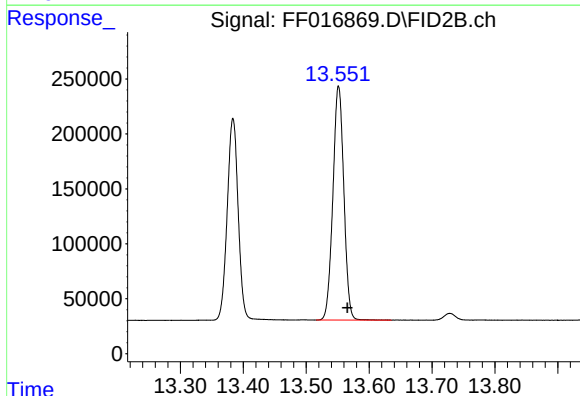
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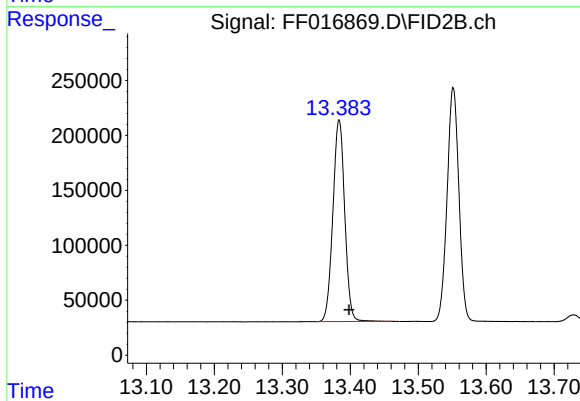
#10 n-Eicosane (C20)

R.T.: 12.939 min
Delta R.T.: -0.013 min
Response: 2615847
Conc: 19.87 ug/ml



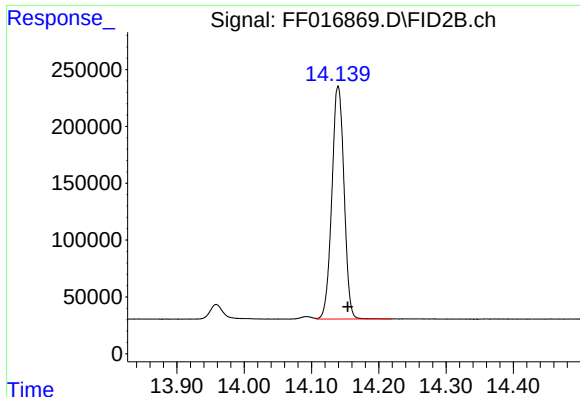
#11 n-Heneicosane (C21)

R.T.: 13.552 min
Delta R.T.: -0.014 min
Response: 2573277
Conc: 19.71 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.383 min
Delta R.T.: -0.015 min
Response: 2220651
Conc: 19.35 ug/ml m



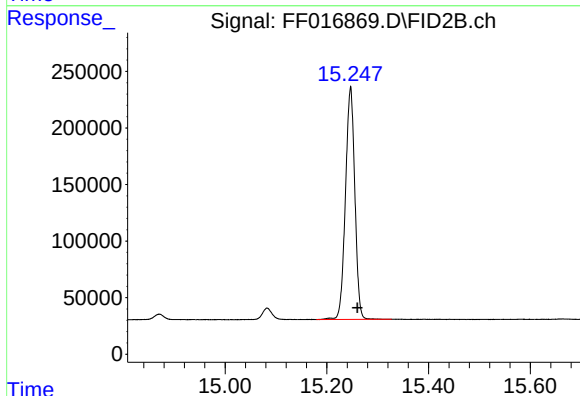
#13 n-Docosane (C22)

R.T.: 14.140 min
Delta R.T.: -0.014 min
Response: 2584062
Conc: 19.43 ug/ml

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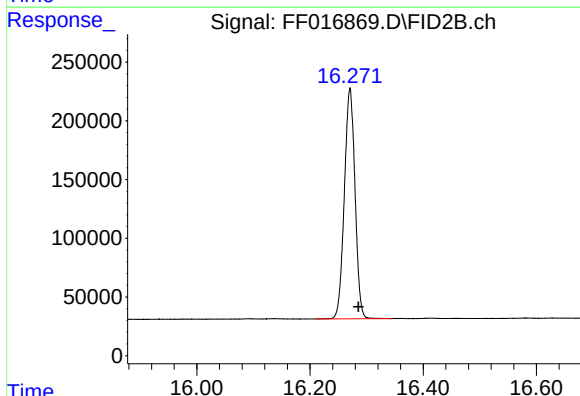
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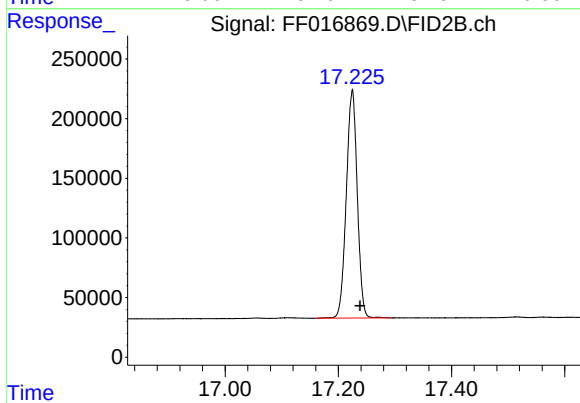
#14 n-Tetracosane (C24)

R.T.: 15.247 min
Delta R.T.: -0.013 min
Response: 2626579
Conc: 18.88 ug/ml



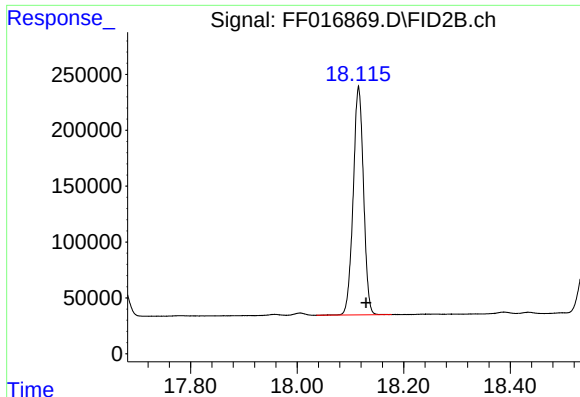
#15 n-Hexacosane (C26)

R.T.: 16.271 min
Delta R.T.: -0.015 min
Response: 2567418
Conc: 18.53 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.225 min
Delta R.T.: -0.014 min
Response: 2577677
Conc: 18.65 ug/ml



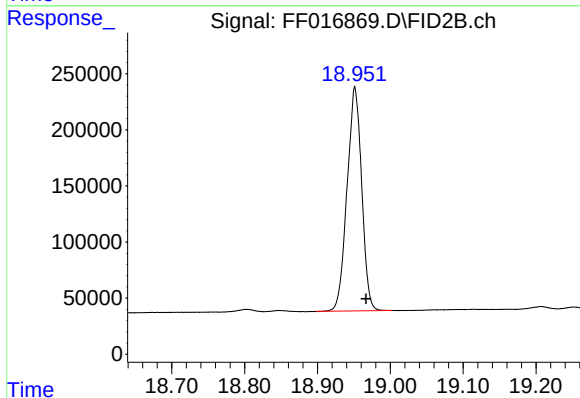
#17 n-Tricontane (C30)

R.T.: 18.115 min
Delta R.T.: -0.014 min
Response: 2751476
Conc: 19.57 ug/ml

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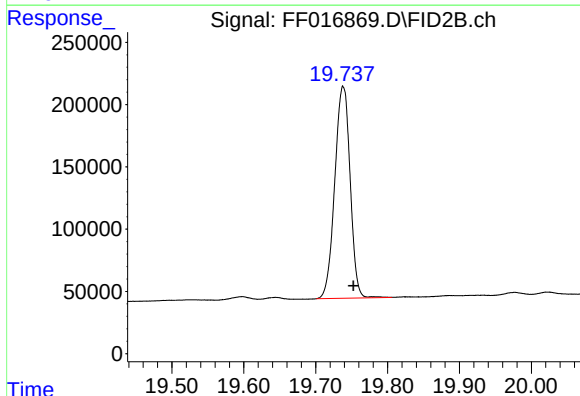
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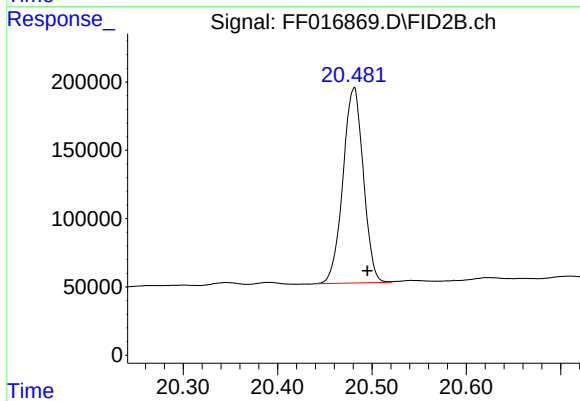
#18 n-Dotriacontane (C32)

R.T.: 18.951 min
Delta R.T.: -0.016 min
Response: 2781956
Conc: 20.52 ug/ml m



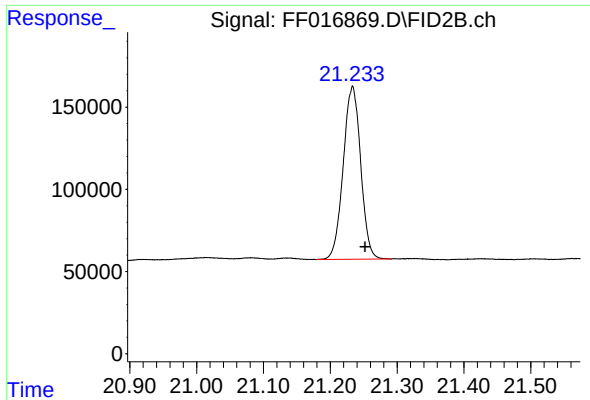
#19 n-Tetratriacontane (C34)

R.T.: 19.738 min
Delta R.T.: -0.014 min
Response: 2529468
Conc: 21.38 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.481 min
Delta R.T.: -0.015 min
Response: 2144216
Conc: 21.86 ug/ml



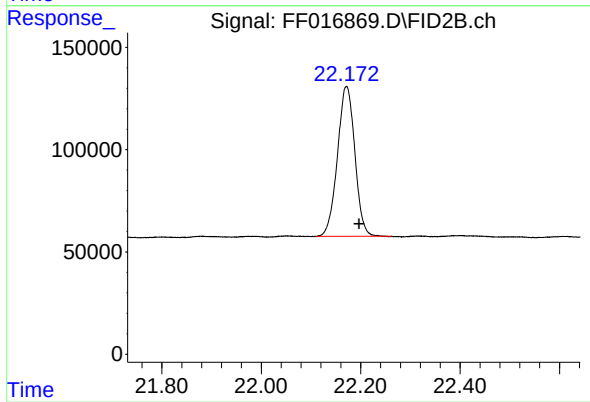
#21 n-Octatriacontane (C38)

R.T.: 21.233 min
Delta R.T.: -0.019 min
Response: 1906471
Conc: 21.66 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.172 min
Delta R.T.: -0.025 min
Response: 1782349
Conc: 21.02 ug/ml m