

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF090825AL\
 Data File : FF016344.D
 Signal(s) : FID2B.ch
 Acq On : 08 Sep 2025 13:25
 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 09/09/2025
 Supervised By :mohammad ahmed 09/12/2025

Integration File: autoint1.e
 Quant Time: Sep 09 02:00:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 082825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 29 03:35:42 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)	11.970	2994371	20.704 ug/ml
Spiked Amount 50.000		Recovery =	41.41%
12) S 1-chlorooctadecane (S...	13.410	2234798	20.035 ug/mlm
Spiked Amount 50.000		Recovery =	40.07%
Target Compounds			
1) T n-Nonane (C9)	3.323	2432746	20.808 ug/ml
2) T n-Decane (C10)	4.585	2469574	20.849 ug/ml
3) T A~Naphthalene (C11.7)	6.295	2731280	20.912 ug/ml
4) T n-Dodecane (C12)	6.763	2515383	20.956 ug/ml
5) T A~2-methylnaphthalene...	7.395	2646296	20.784 ug/ml
6) T n-Tetradecane (C14)	8.597	2504742	20.786 ug/ml
7) T n-Hexadecane (C16)	10.207	2587380	20.718 ug/mlm
8) T n-Octadecane (C18)	11.653	2690183	20.768 ug/mlm
10) T n-Eicosane (C20)	12.965	2664007	20.834 ug/ml
11) T n-Heneicosane (C21)	13.579	2638077	20.778 ug/ml
13) T n-Docosane (C22)	14.166	2640948	20.801 ug/ml
14) T n-Tetracosane (C24)	15.272	2652011	20.732 ug/ml
15) T n-Hexacosane (C26)	16.294	2585388	20.682 ug/mlm
16) T n-Octacosane (C28)	17.248	2499666	20.401 ug/ml
17) T n-Tricontane (C30)	18.137	2488834	19.984 ug/ml
18) T n-Dotriacontane (C32)	18.973	2327312	19.309 ug/ml
19) T n-Tetratriacontane (C34)	19.759	2100675	19.264 ug/ml
20) T n-Hexatriacontane (C36)	20.502	1769044	18.954 ug/ml
21) T n-Octatriacontane (C38)	21.260	1525852	18.143 ug/ml
22) T n-Tetracontane (C40)	22.208	1282432	16.335 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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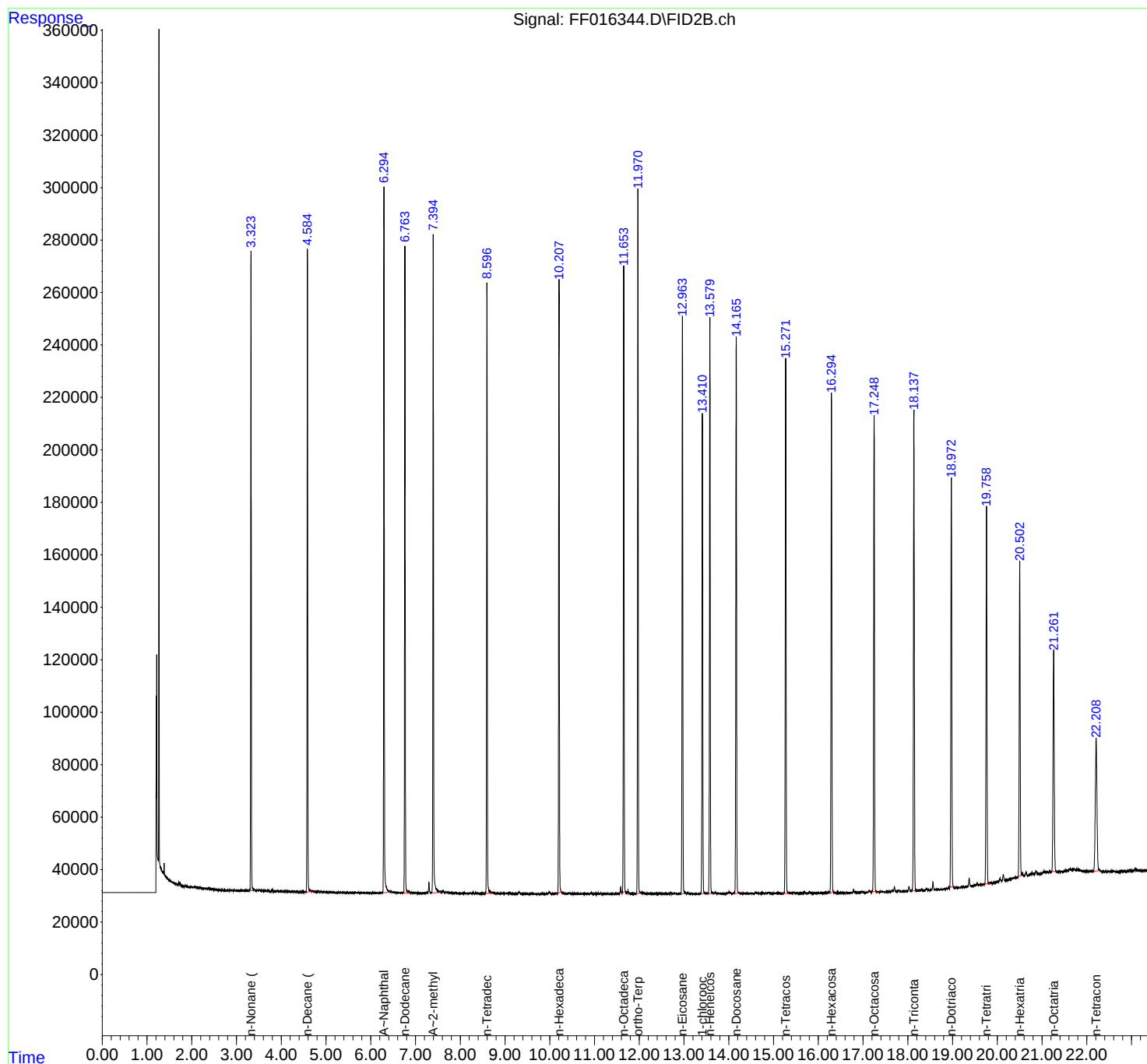
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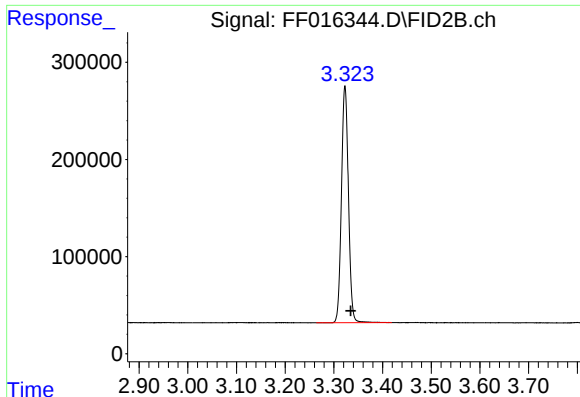
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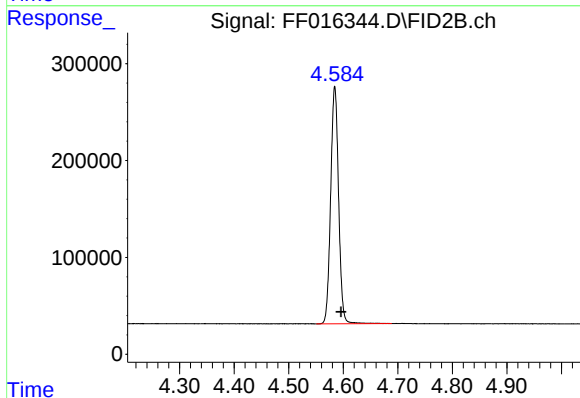
#1 n-Nonane (C9)

R.T.: 3.323 min
Delta R.T.: -0.012 min
Response: 2432746
Conc: 20.81 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

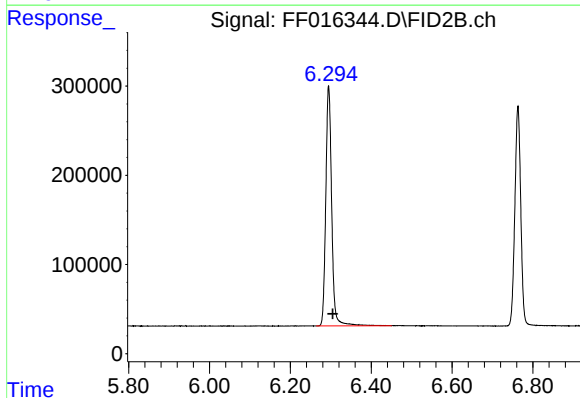
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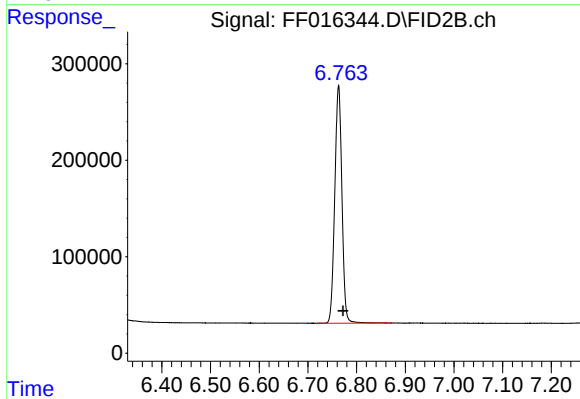
#2 n-Decane (C10)

R.T.: 4.585 min
Delta R.T.: -0.011 min
Response: 2469574
Conc: 20.85 ug/ml



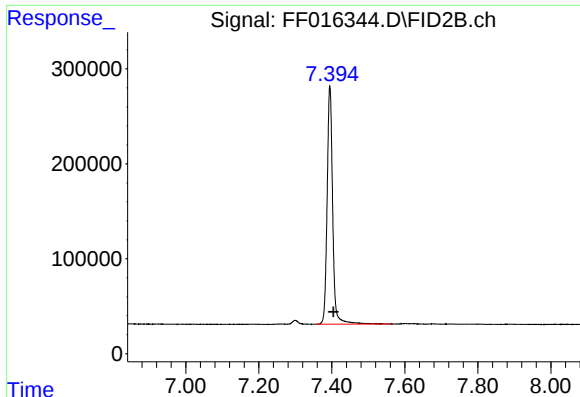
#3 A~Naphthalene (C11.7)

R.T.: 6.295 min
Delta R.T.: -0.010 min
Response: 2731280
Conc: 20.91 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.763 min
Delta R.T.: -0.009 min
Response: 2515383
Conc: 20.96 ug/ml



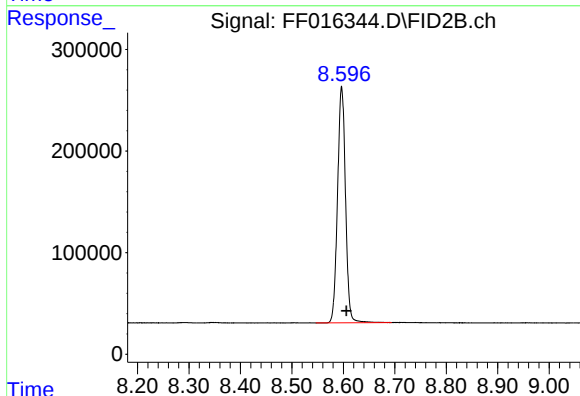
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.395 min
Delta R.T.: -0.010 min
Response: 2646296
Conc: 20.78 ug/ml

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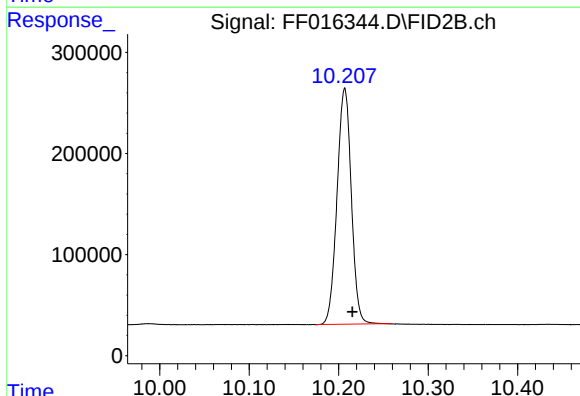
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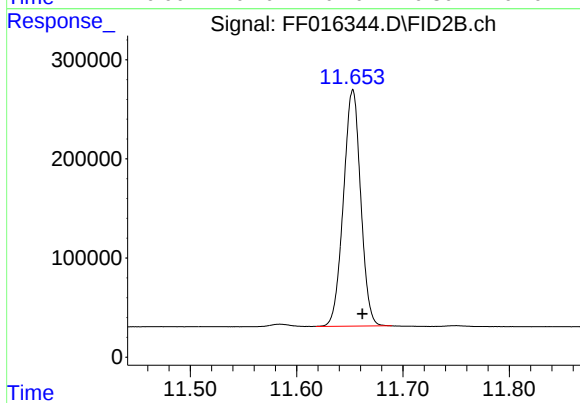
#6 n-Tetradecane (C14)

R.T.: 8.597 min
Delta R.T.: -0.009 min
Response: 2504742
Conc: 20.79 ug/ml



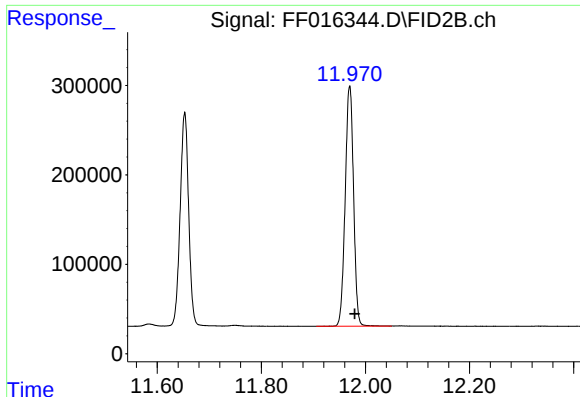
#7 n-Hexadecane (C16)

R.T.: 10.207 min
Delta R.T.: -0.009 min
Response: 2587380
Conc: 20.72 ug/ml m



#8 n-Octadecane (C18)

R.T.: 11.653 min
Delta R.T.: -0.009 min
Response: 2690183
Conc: 20.77 ug/ml m



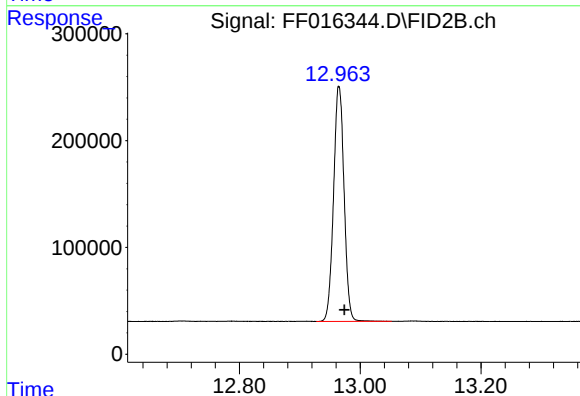
#9 ortho-Terphenyl (SURR)

R.T.: 11.970 min
Delta R.T.: -0.010 min
Response: 2994371
Conc: 20.70 ug/ml

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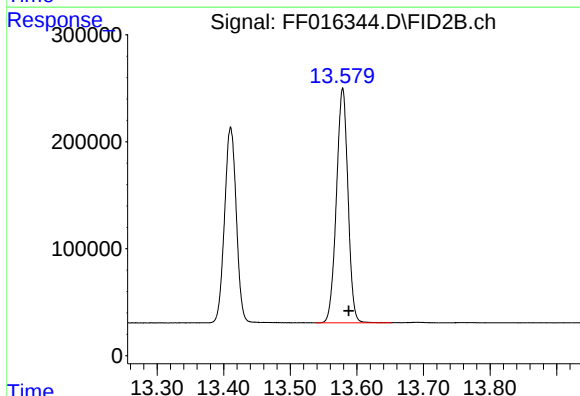
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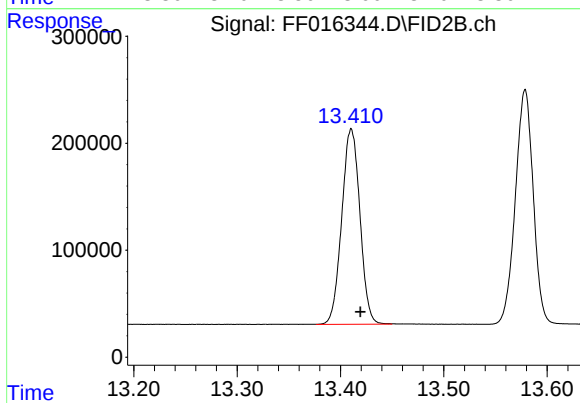
#10 n-Eicosane (C20)

R.T.: 12.965 min
Delta R.T.: -0.009 min
Response: 2664007
Conc: 20.83 ug/ml



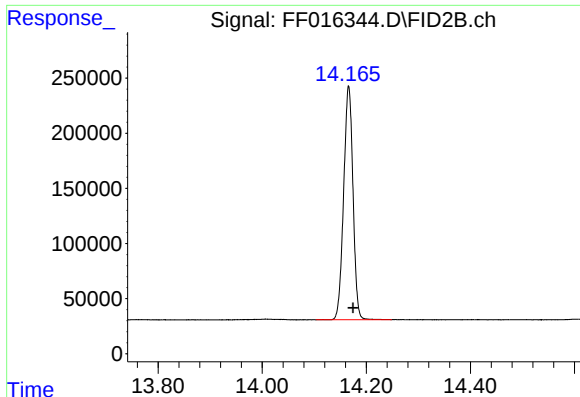
#11 n-Heneicosane (C21)

R.T.: 13.579 min
Delta R.T.: -0.009 min
Response: 2638077
Conc: 20.78 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.410 min
Delta R.T.: -0.009 min
Response: 2234798
Conc: 20.04 ug/ml m



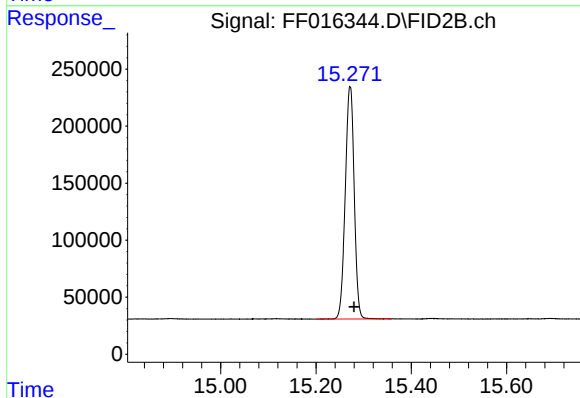
#13 n-Docosane (C22)

R.T.: 14.166 min
Delta R.T.: -0.008 min
Response: 2640948
Conc: 20.80 ug/ml

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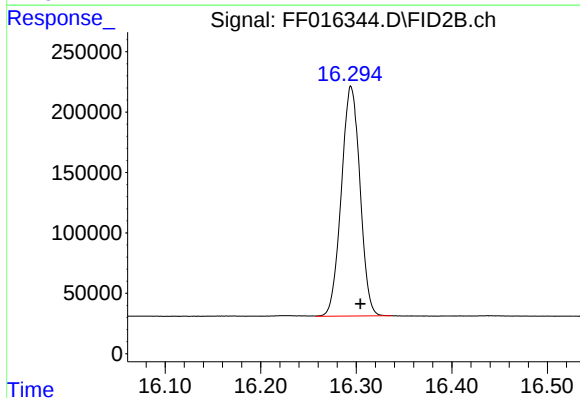
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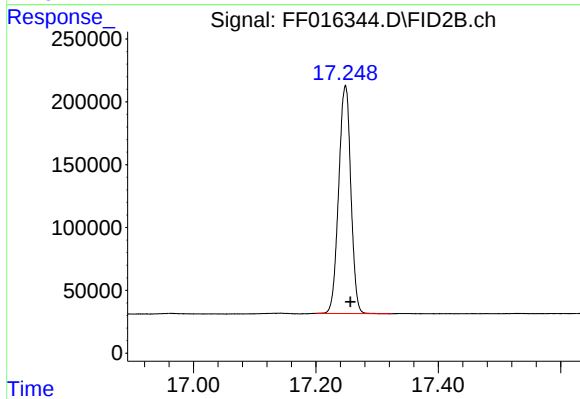
#14 n-Tetracosane (C24)

R.T.: 15.272 min
Delta R.T.: -0.009 min
Response: 2652011
Conc: 20.73 ug/ml



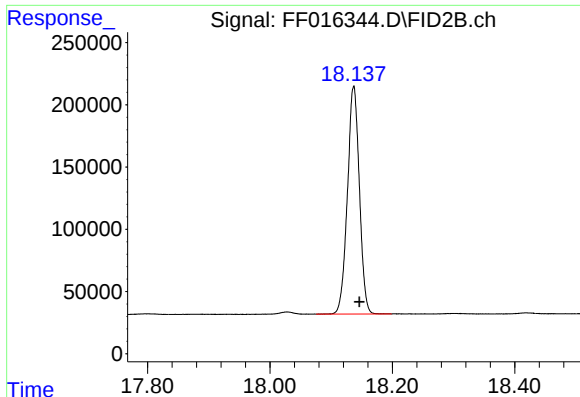
#15 n-Hexacosane (C26)

R.T.: 16.294 min
Delta R.T.: -0.010 min
Response: 2585388
Conc: 20.68 ug/ml m



#16 n-Octacosane (C28)

R.T.: 17.248 min
Delta R.T.: -0.008 min
Response: 2499666
Conc: 20.40 ug/ml



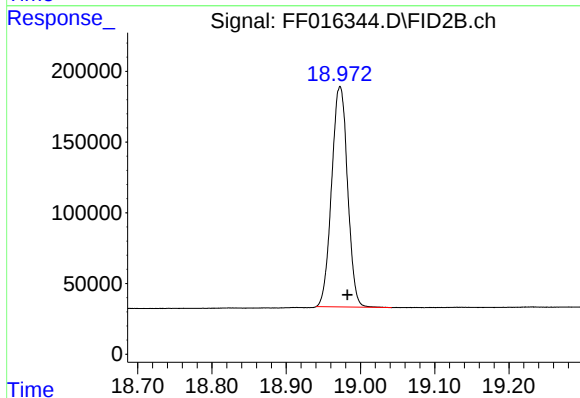
#17 n-Tricontane (C30)

R.T.: 18.137 min
Delta R.T.: -0.009 min
Response: 2488834
Conc: 19.98 ug/ml

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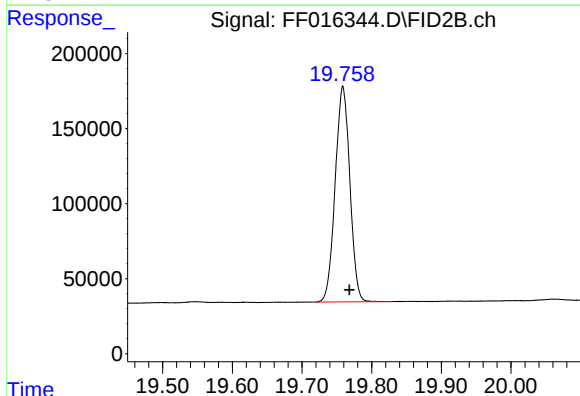
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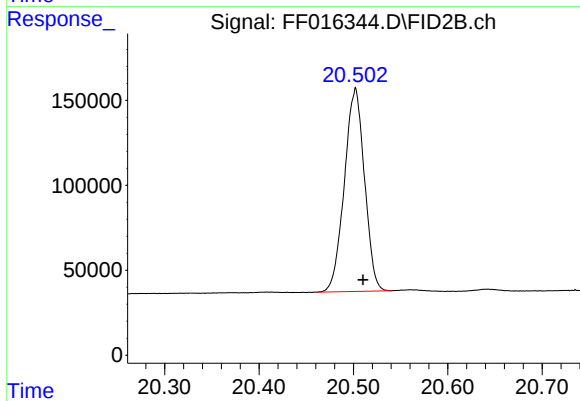
#18 n-Dotriacontane (C32)

R.T.: 18.973 min
Delta R.T.: -0.010 min
Response: 2327312
Conc: 19.31 ug/ml



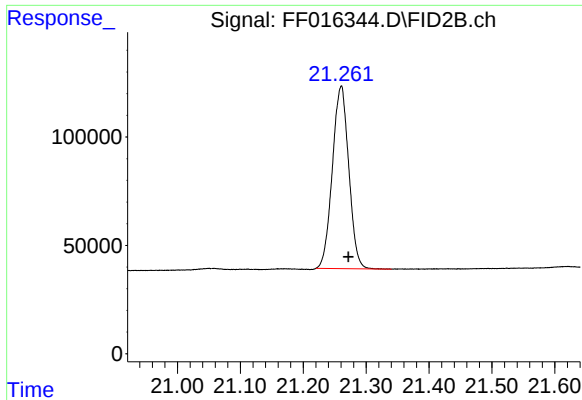
#19 n-Tetratriacontane (C34)

R.T.: 19.759 min
Delta R.T.: -0.009 min
Response: 2100675
Conc: 19.26 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.502 min
Delta R.T.: -0.008 min
Response: 1769044
Conc: 18.95 ug/ml



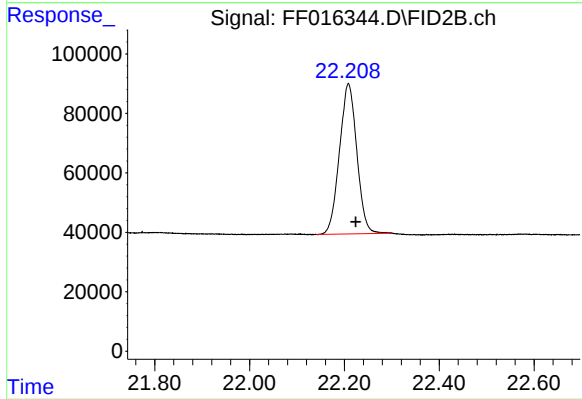
#21 n-Octatriacontane (C38)

R.T.: 21.260 min
Delta R.T.: -0.012 min
Response: 1525852
Conc: 18.14 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.208 min
Delta R.T.: -0.016 min
Response: 1282432
Conc: 16.34 ug/ml