

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF090825AL\
 Data File : FF016351.D
 Signal(s) : FID2B.ch
 Acq On : 09 Sep 2025 08:54
 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 09/11/2025
 Supervised By :mohammad ahmed 09/12/2025

Integration File: autoint1.e
 Quant Time: Sep 09 09:10:50 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)	11.969	2914758	20.153 ug/ml
Spiked Amount 50.000		Recovery =	40.31%
12) S 1-chlorooctadecane (S...	13.408	2174554	19.495 ug/mlm
Spiked Amount 50.000		Recovery =	38.99%
Target Compounds			
1) T n-Nonane (C9)	3.323	2368682	20.260 ug/ml
2) T n-Decane (C10)	4.585	2408978	20.338 ug/ml
3) T A~Naphthalene (C11.7)	6.295	2654720	20.326 ug/ml
4) T n-Dodecane (C12)	6.763	2444617	20.366 ug/ml
5) T A~2-methylnaphthalene...	7.395	2575749	20.230 ug/ml
6) T n-Tetradecane (C14)	8.597	2435838	20.214 ug/ml
7) T n-Hexadecane (C16)	10.206	2518774	20.168 ug/mlm
8) T n-Octadecane (C18)	11.651	2620413	20.230 ug/mlm
10) T n-Eicosane (C20)	12.964	2587958	20.239 ug/ml
11) T n-Heneicosane (C21)	13.577	2566991	20.218 ug/ml
13) T n-Docosane (C22)	14.165	2580549	20.325 ug/ml
14) T n-Tetracosane (C24)	15.270	2625865	20.528 ug/ml
15) T n-Hexacosane (C26)	16.293	2580379	20.642 ug/mlm
16) T n-Octacosane (C28)	17.245	2517609	20.548 ug/ml
17) T n-Tricontane (C30)	18.136	2525716	20.280 ug/ml
18) T n-Dotriacontane (C32)	18.971	2351799	19.512 ug/ml
19) T n-Tetratriacontane (C34)	19.759	2134993	19.578 ug/ml
20) T n-Hexatriacontane (C36)	20.500	1780477	19.077 ug/ml
21) T n-Octatriacontane (C38)	21.258	1524243	18.124 ug/ml
22) T n-Tetracontane (C40)	22.207	1356054	17.273 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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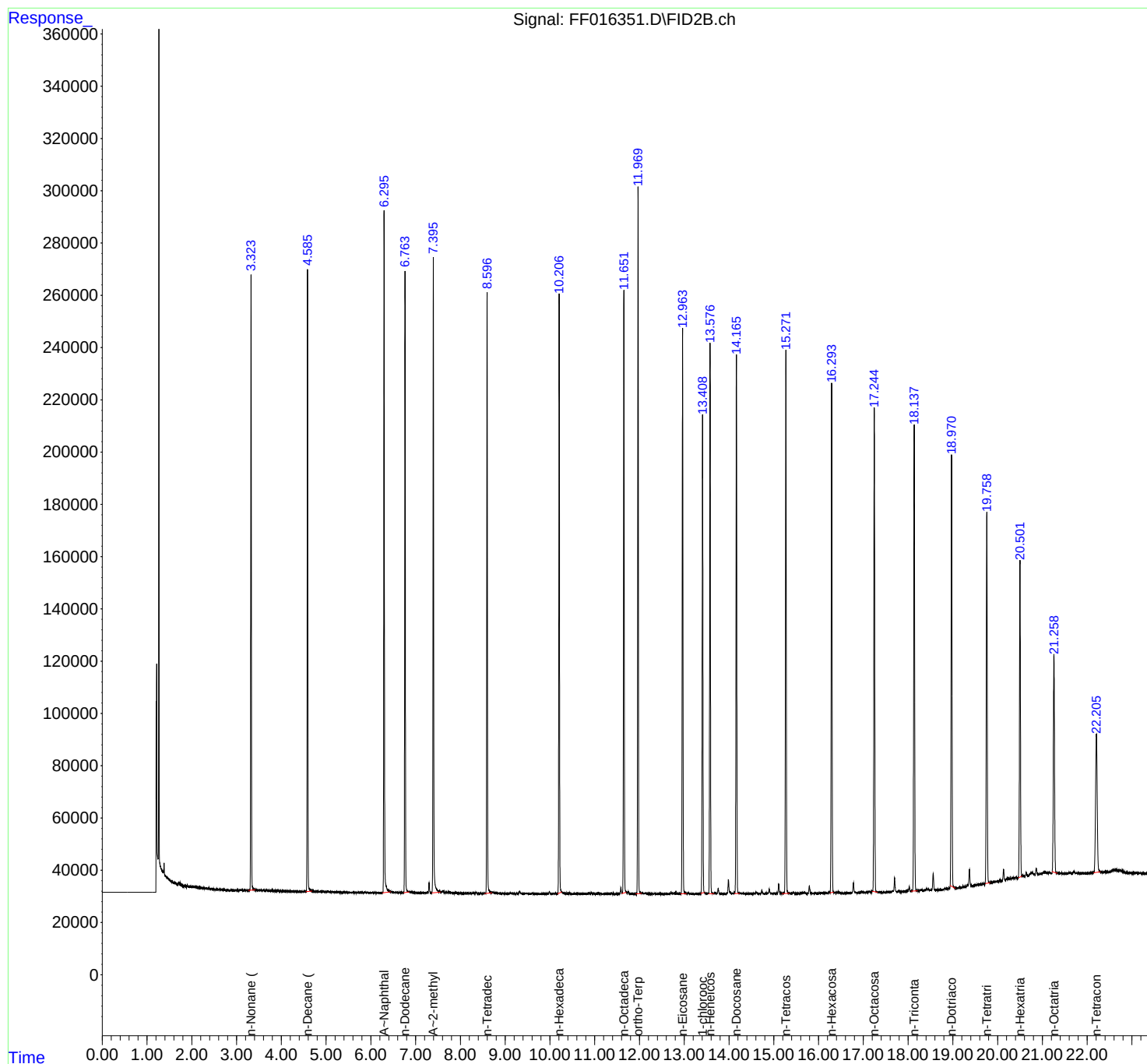
Instrument :
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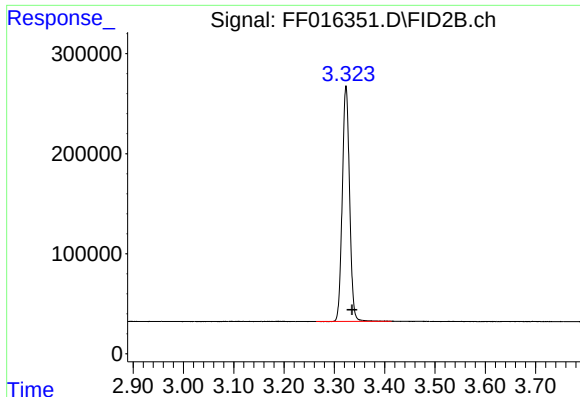
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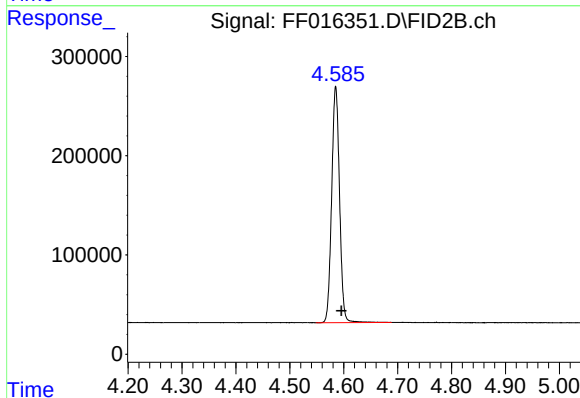
#1 n-Nonane (C9)

R.T.: 3.323 min
Delta R.T.: -0.012 min
Response: 2368682
Conc: 20.26 ug/ml

Instrument :
FID_F
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20 PPM ALIPHATIC HC STD

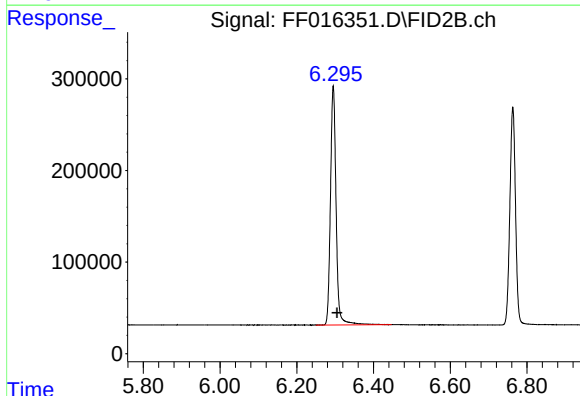
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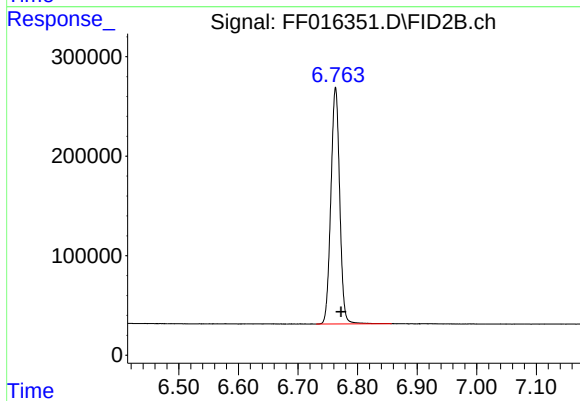
#2 n-Decane (C10)

R.T.: 4.585 min
Delta R.T.: -0.010 min
Response: 2408978
Conc: 20.34 ug/ml



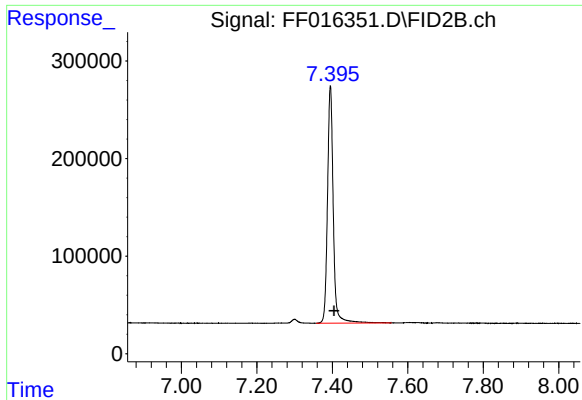
#3 A~Naphthalene (C11.7)

R.T.: 6.295 min
Delta R.T.: -0.010 min
Response: 2654720
Conc: 20.33 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.763 min
Delta R.T.: -0.009 min
Response: 2444617
Conc: 20.37 ug/ml



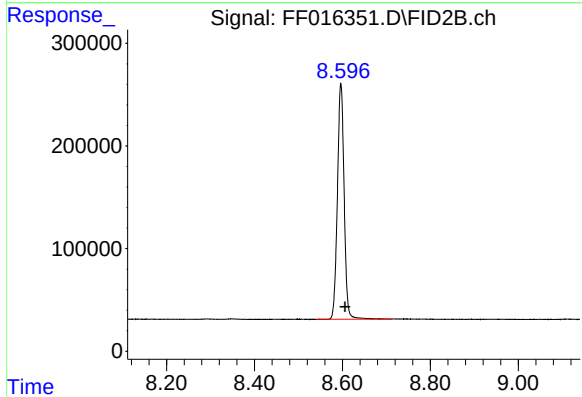
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.395 min
Delta R.T.: -0.010 min
Response: 2575749
Conc: 20.23 ug/ml

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20 PPM ALIPHATIC HC STD

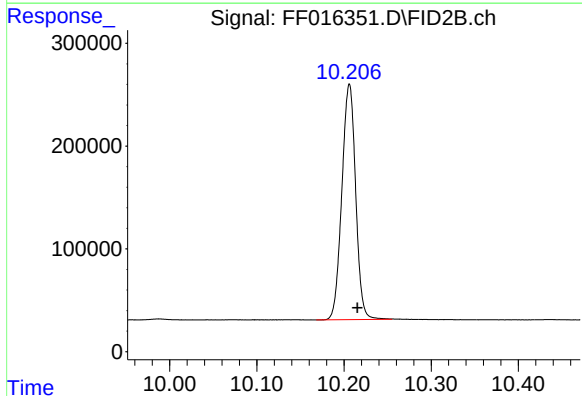
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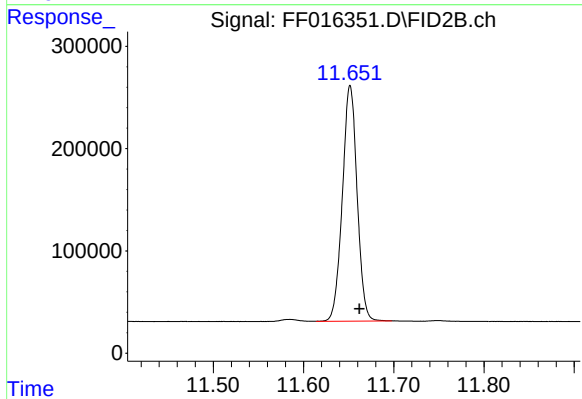
#6 n-Tetradecane (C14)

R.T.: 8.597 min
Delta R.T.: -0.009 min
Response: 2435838
Conc: 20.21 ug/ml



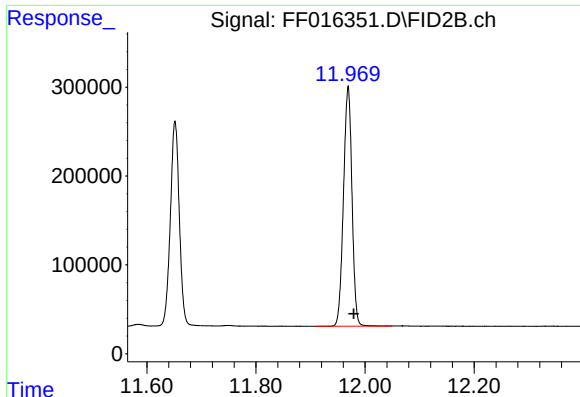
#7 n-Hexadecane (C16)

R.T.: 10.206 min
Delta R.T.: -0.010 min
Response: 2518774
Conc: 20.17 ug/ml m



#8 n-Octadecane (C18)

R.T.: 11.651 min
Delta R.T.: -0.011 min
Response: 2620413
Conc: 20.23 ug/ml m



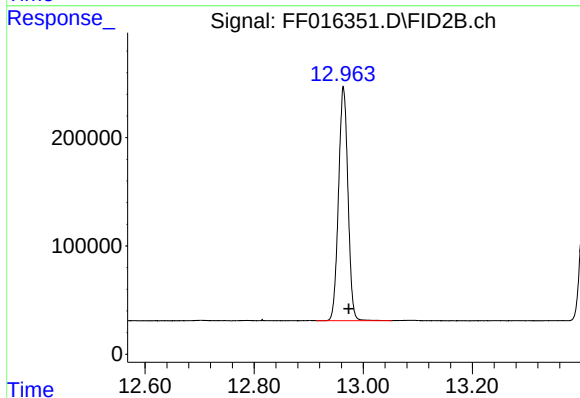
#9 ortho-Terphenyl (SURR)

R.T.: 11.969 min
Delta R.T.: -0.011 min
Response: 2914758
Conc: 20.15 ug/ml

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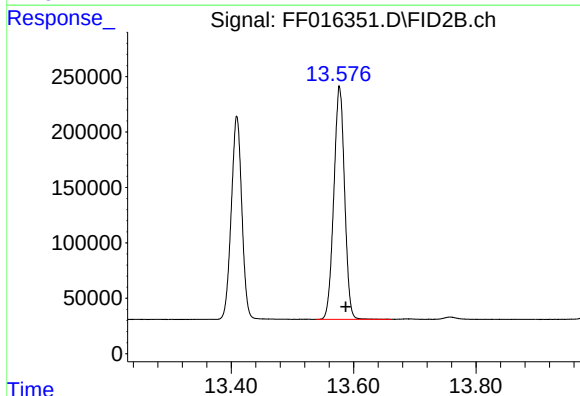
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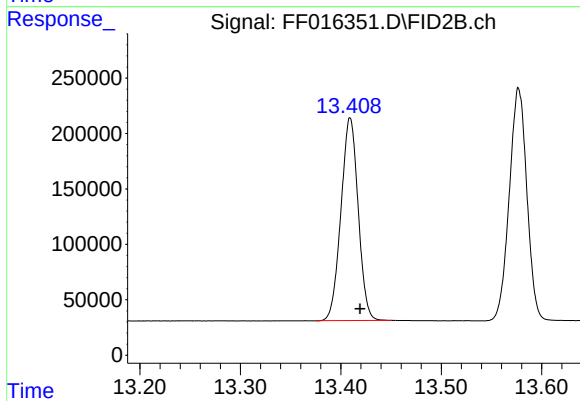
#10 n-Eicosane (C20)

R.T.: 12.964 min
Delta R.T.: -0.010 min
Response: 2587958
Conc: 20.24 ug/ml



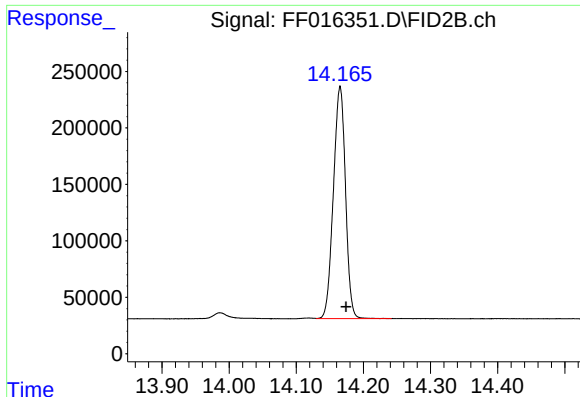
#11 n-Heneicosane (C21)

R.T.: 13.577 min
Delta R.T.: -0.010 min
Response: 2566991
Conc: 20.22 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.408 min
Delta R.T.: -0.011 min
Response: 2174554
Conc: 19.50 ug/ml m



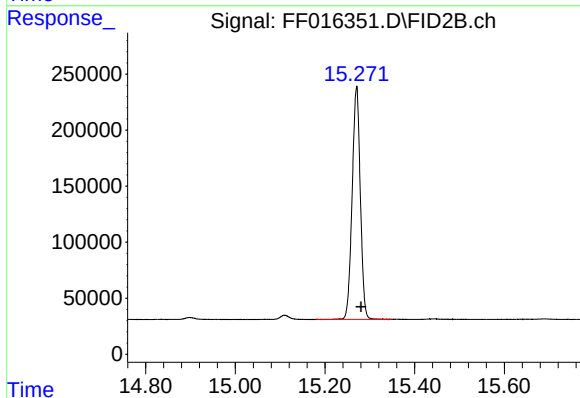
#13 n-Docosane (C22)

R.T.: 14.165 min
Delta R.T.: -0.009 min
Response: 2580549
Conc: 20.33 ug/ml

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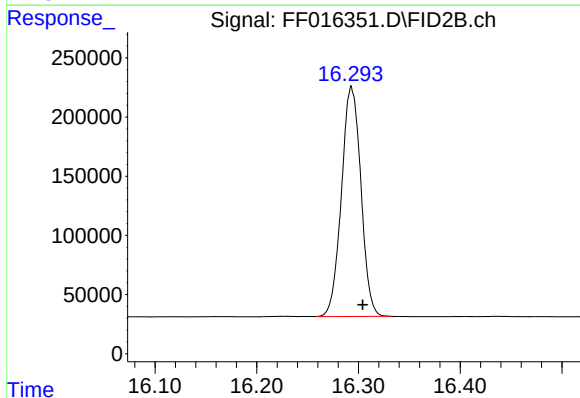
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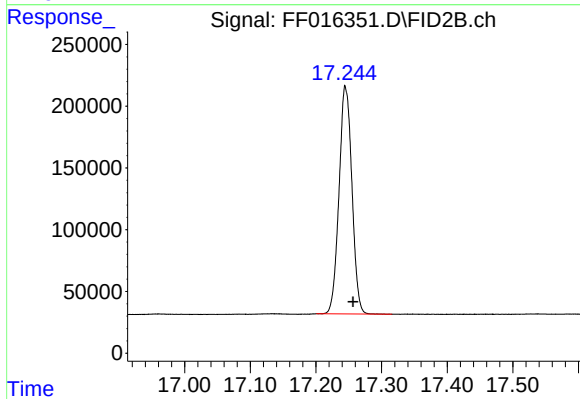
#14 n-Tetracosane (C24)

R.T.: 15.270 min
Delta R.T.: -0.010 min
Response: 2625865
Conc: 20.53 ug/ml



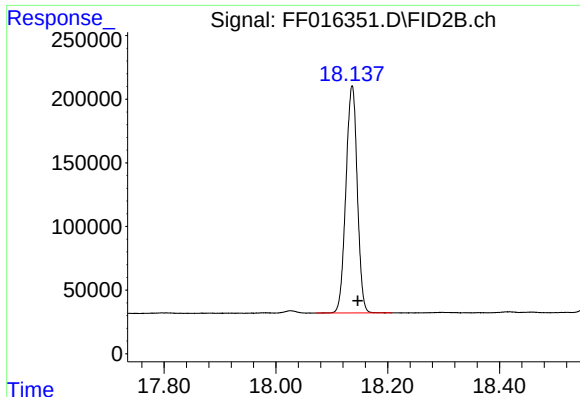
#15 n-Hexacosane (C26)

R.T.: 16.293 min
Delta R.T.: -0.012 min
Response: 2580379
Conc: 20.64 ug/ml m



#16 n-Octacosane (C28)

R.T.: 17.245 min
Delta R.T.: -0.011 min
Response: 2517609
Conc: 20.55 ug/ml



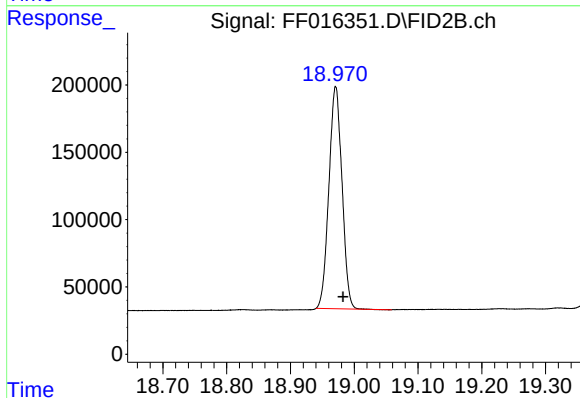
#17 n-Tricontane (C30)

R.T.: 18.136 min
Delta R.T.: -0.010 min
Response: 2525716
Conc: 20.28 ug/ml

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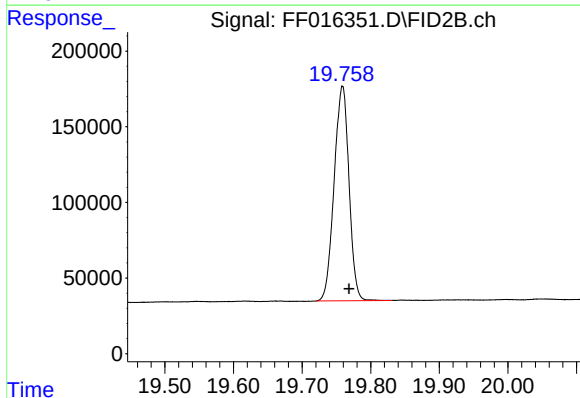
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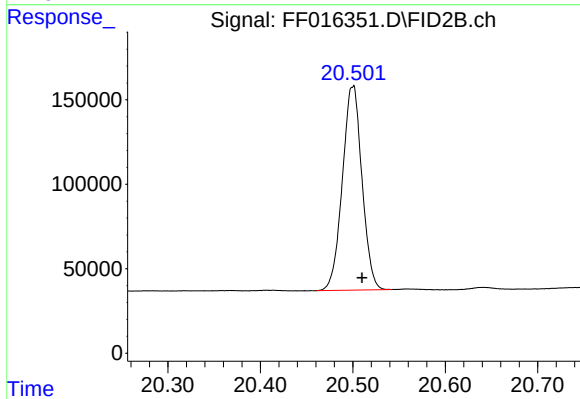
#18 n-Dotriacontane (C32)

R.T.: 18.971 min
Delta R.T.: -0.012 min
Response: 2351799
Conc: 19.51 ug/ml



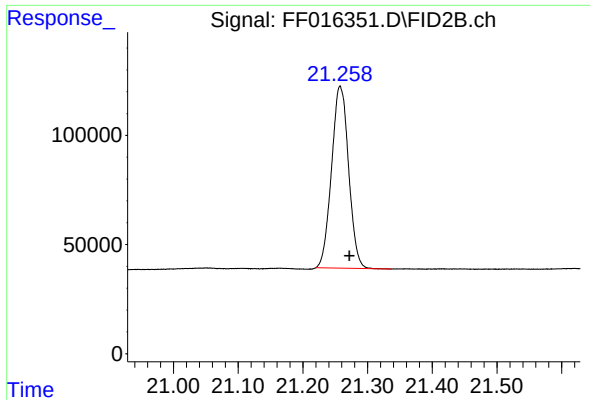
#19 n-Tetratriacontane (C34)

R.T.: 19.759 min
Delta R.T.: -0.010 min
Response: 2134993
Conc: 19.58 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.500 min
Delta R.T.: -0.010 min
Response: 1780477
Conc: 19.08 ug/ml



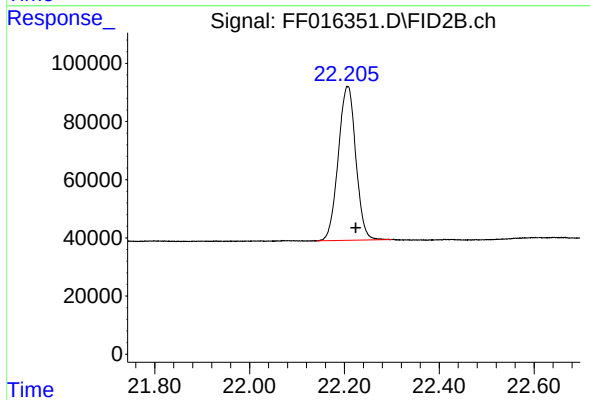
#21 n-Octatriacontane (C38)

R.T.: 21.258 min
Delta R.T.: -0.014 min
Response: 1524243
Conc: 18.12 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.207 min
Delta R.T.: -0.017 min
Response: 1356054
Conc: 17.27 ug/ml