

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120922AL\
 Data File : FE039231.D
 Signal(s) : FID1B.ch
 Acq On : 10 Dec 2022 00:14
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/12/2022
 Supervised By :Ankita Jodhani 12/12/2022

Integration File: autoint1.e
 Quant Time: Dec 11 02:58:59 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 111922.M
 Quant Title : GC Extractables
 QLast Update : Sat Nov 19 05:37:37 2022
 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)	11.938	3234678	20.677 ug/ml
Spiked Amount 50.000		Recovery =	41.35%
12) S 1-chlorooctadecane (S...	13.372	2470084	20.458 ug/ml
Spiked Amount 50.000		Recovery =	40.92%
Target Compounds			
1) T n-Nonane (C9)	3.335	2717474	19.171 ug/ml
2) T n-Decane (C10)	4.584	2673442	19.181 ug/ml
3) T A~Naphthalene (C11.7)	6.286	3090575	19.431 ug/ml
4) T n-Dodecane (C12)	6.747	2716681	19.273 ug/ml
5) T A~2-methylnaphthalene...	7.379	2908605	19.434 ug/ml
6) T n-Tetradecane (C14)	8.571	2786950	19.513 ug/ml
7) T n-Hexadecane (C16)	10.177	2906882	19.881 ug/ml
8) T n-Octadecane (C18)	11.619	2988187	20.307 ug/ml
10) T n-Eicosane (C20)	12.928	2921378	20.578 ug/ml
11) T n-Heneicosane (C21)	13.539	2934538	20.651 ug/mlm
13) T n-Docosane (C22)	14.125	2906407	20.792 ug/ml
14) T n-Tetracosane (C24)	15.229	2873345	20.806 ug/ml
15) T n-Hexacosane (C26)	16.249	2794212	20.804 ug/ml
16) T n-Octacosane (C28)	17.198	2788823	21.000 ug/ml
17) T n-Tricontane (C30)	18.086	2804689	21.238 ug/ml
18) T n-Dotriacontane (C32)	18.917	2819887	21.144 ug/ml
19) T n-Tetratriacontane (C34)	19.701	2687485	20.310 ug/mlm
20) T n-Hexatriacontane (C36)	20.441	2522535	19.635 ug/mlm
21) T n-Octatriacontane (C38)	21.177	2505213	19.118 ug/ml
22) T n-Tetracontane (C40)	22.093	2372347	17.422 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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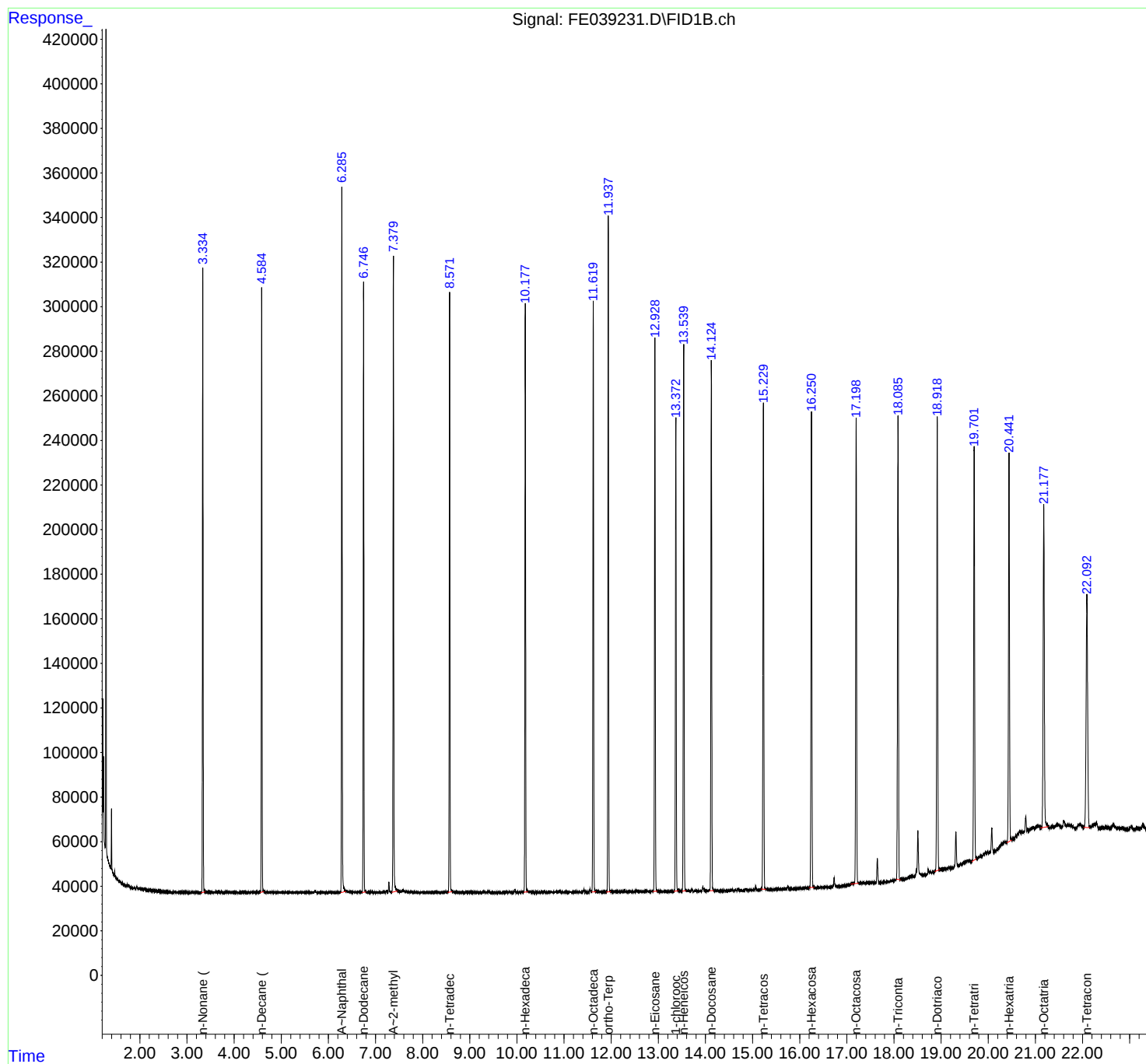
Instrument :
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20 PPM ALIPHATIC HC STD

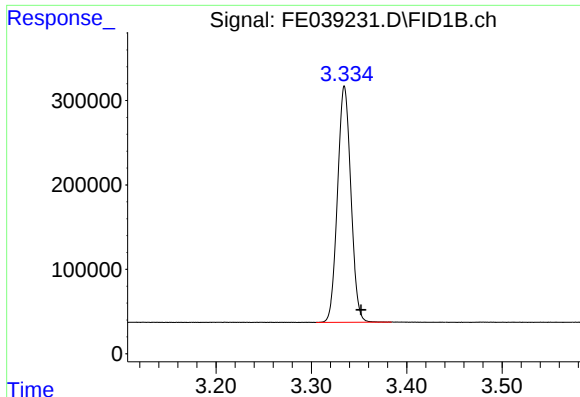
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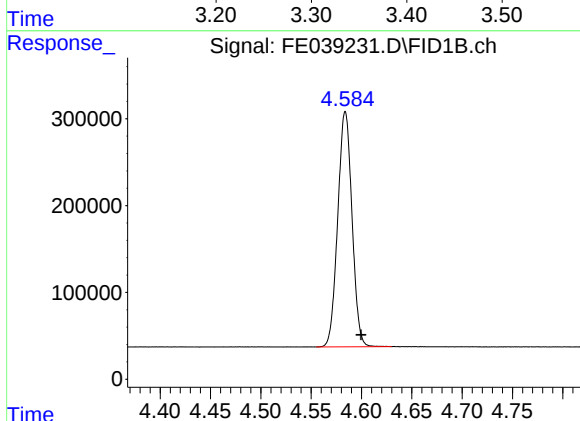
#1 n-Nonane (C9)

R.T.: 3.335 min
Delta R.T.: -0.017 min
Response: 2717474
Conc: 19.17 ug/ml

Instrument :
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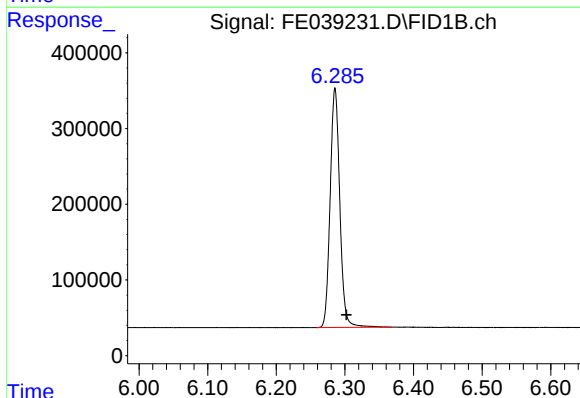
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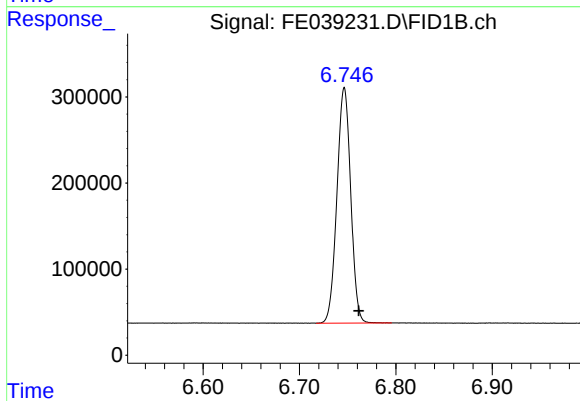
#2 n-Decane (C10)

R.T.: 4.584 min
Delta R.T.: -0.015 min
Response: 2673442
Conc: 19.18 ug/ml



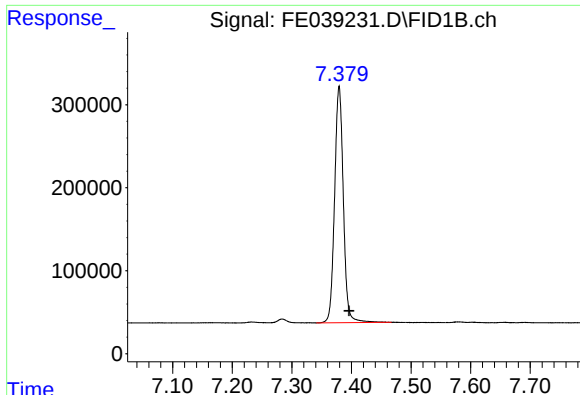
#3 A~Naphthalene (C11.7)

R.T.: 6.286 min
Delta R.T.: -0.017 min
Response: 3090575
Conc: 19.43 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.747 min
Delta R.T.: -0.015 min
Response: 2716681
Conc: 19.27 ug/ml



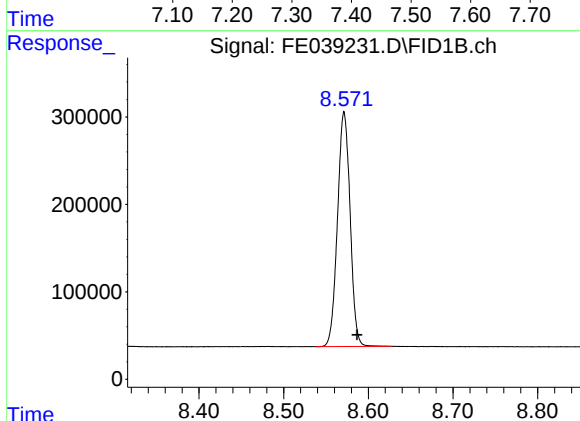
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.379 min
Delta R.T.: -0.016 min
Response: 2908605
Conc: 19.43 ug/ml

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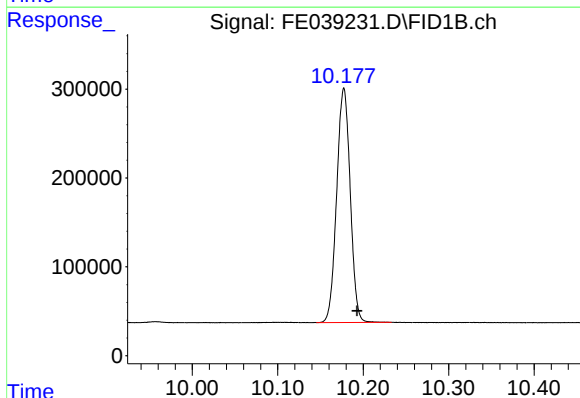
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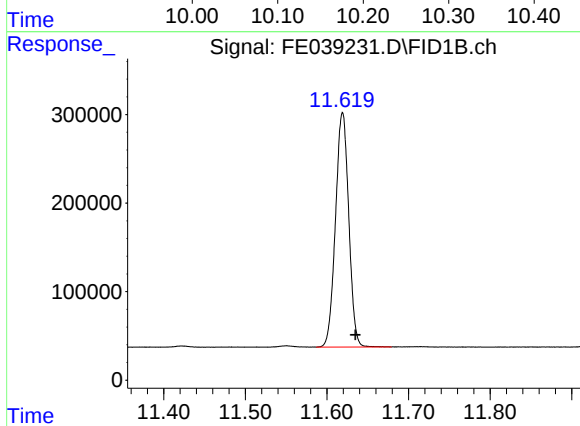
#6 n-Tetradecane (C14)

R.T.: 8.571 min
Delta R.T.: -0.016 min
Response: 2786950
Conc: 19.51 ug/ml



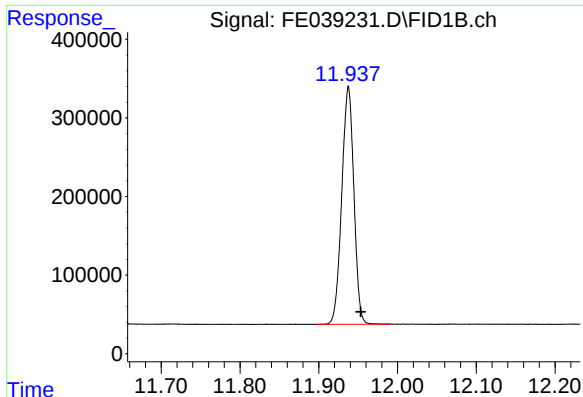
#7 n-Hexadecane (C16)

R.T.: 10.177 min
Delta R.T.: -0.015 min
Response: 2906882
Conc: 19.88 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.619 min
Delta R.T.: -0.016 min
Response: 2988187
Conc: 20.31 ug/ml



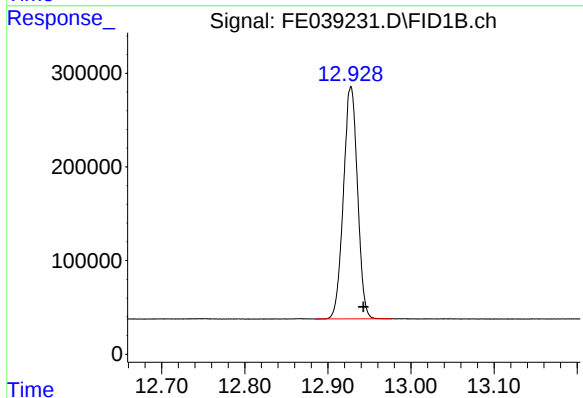
#9 ortho-Terphenyl (SURR)

R.T.: 11.938 min
Delta R.T.: -0.015 min
Response: 3234678
Conc: 20.68 ug/ml

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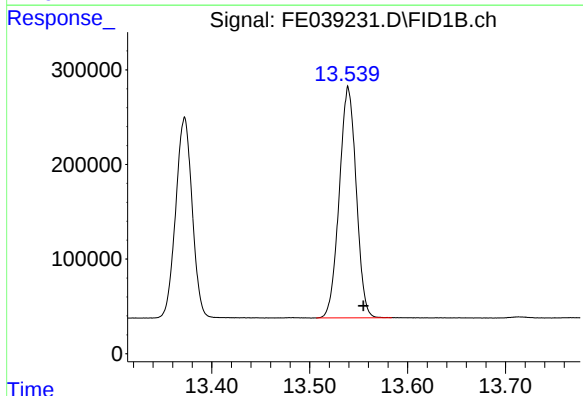
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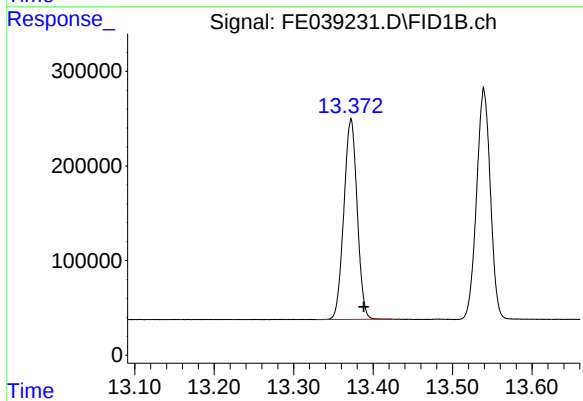
#10 n-Eicosane (C20)

R.T.: 12.928 min
Delta R.T.: -0.015 min
Response: 2921378
Conc: 20.58 ug/ml



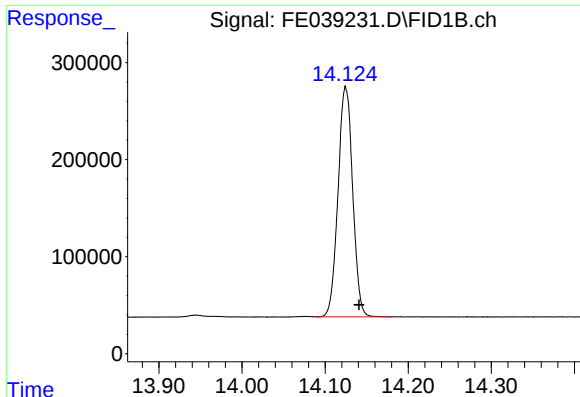
#11 n-Heneicosane (C21)

R.T.: 13.539 min
Delta R.T.: -0.016 min
Response: 2934538
Conc: 20.65 ug/ml m



#12 1-chlorooctadecane (SURR)

R.T.: 13.372 min
Delta R.T.: -0.016 min
Response: 2470084
Conc: 20.46 ug/ml



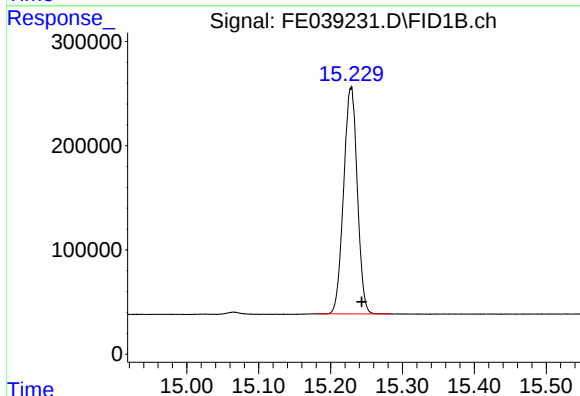
#13 n-Docosane (C22)

R.T.: 14.125 min
Delta R.T.: -0.016 min
Response: 2906407
Conc: 20.79 ug/ml

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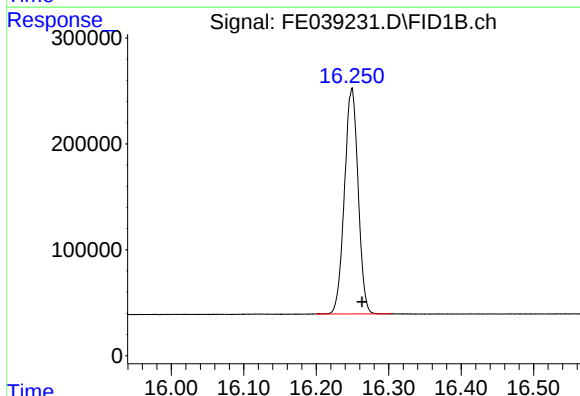
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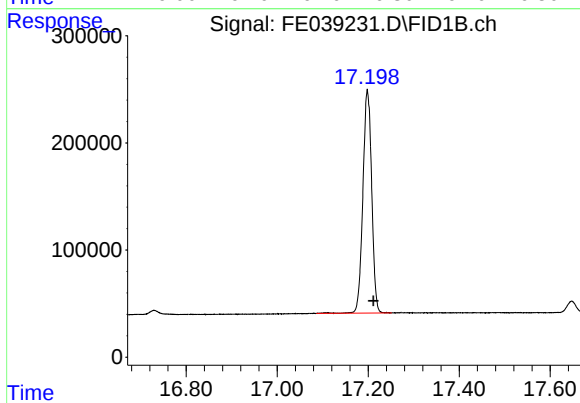
#14 n-Tetracosane (C24)

R.T.: 15.229 min
Delta R.T.: -0.015 min
Response: 2873345
Conc: 20.81 ug/ml



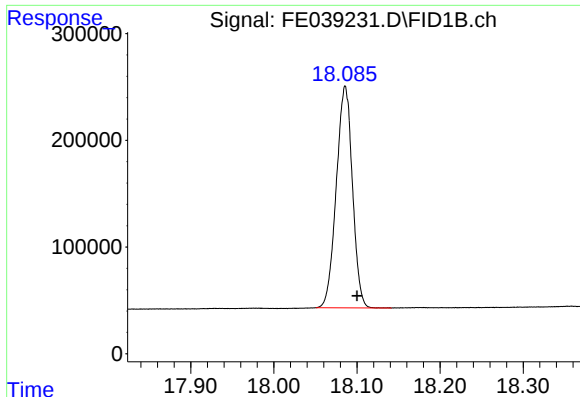
#15 n-Hexacosane (C26)

R.T.: 16.249 min
Delta R.T.: -0.014 min
Response: 2794212
Conc: 20.80 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.198 min
Delta R.T.: -0.014 min
Response: 2788823
Conc: 21.00 ug/ml



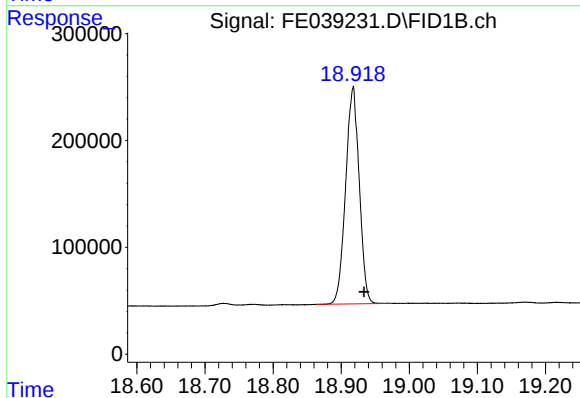
#17 n-Tricontane (C30)

R.T.: 18.086 min
Delta R.T.: -0.014 min
Response: 2804689
Conc: 21.24 ug/ml

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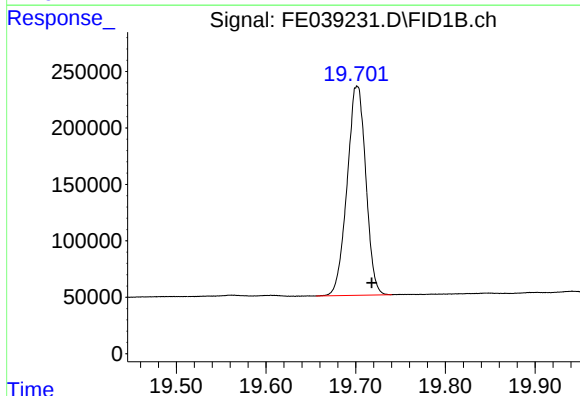
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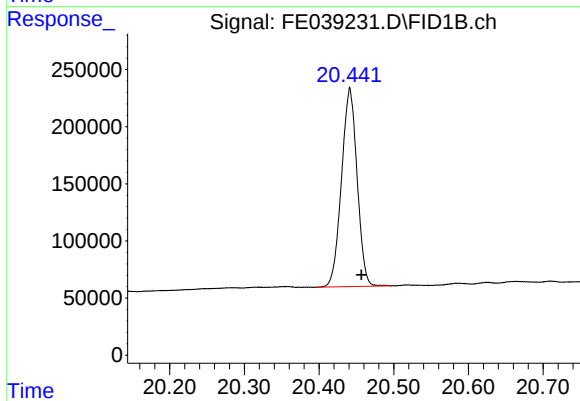
#18 n-Dotriacontane (C32)

R.T.: 18.917 min
Delta R.T.: -0.016 min
Response: 2819887
Conc: 21.14 ug/ml



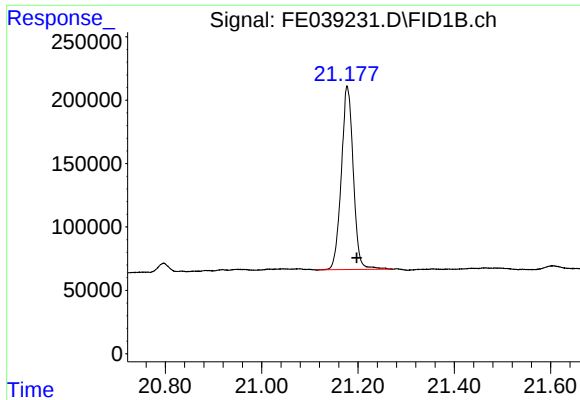
#19 n-Tetratriacontane (C34)

R.T.: 19.701 min
Delta R.T.: -0.017 min
Response: 2687485
Conc: 20.31 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.441 min
Delta R.T.: -0.016 min
Response: 2522535
Conc: 19.64 ug/ml m



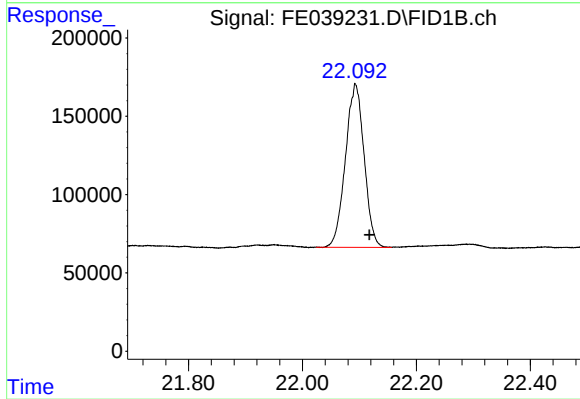
#21 n-Octatriacontane (C38)

R.T.: 21.177 min
Delta R.T.: -0.020 min
Response: 2505213
Conc: 19.12 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.093 min
Delta R.T.: -0.024 min
Response: 2372347
Conc: 17.42 ug/ml