

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE012725AL\
 Data File : FE052097.D
 Signal(s) : FID1B.ch
 Acq On : 27 Jan 2025 15:49
 Operator : YP\AJ
 Sample : Q1187-01MSD
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 SP-COMPMSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/28/2025
 Supervised By :Ankita Jodhani 01/28/2025

Integration File: autoint1.e
 Quant Time: Jan 28 02:02:45 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 011625.M
 Quant Title : GC Extractables
 QLast Update : Thu Jan 16 16:05:07 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)	12.198	4725373	33.061 ug/ml
Spiked Amount 50.000		Recovery =	66.12%
12) S 1-chlorooctadecane (S...	13.612	3901046	34.007 ug/ml
Spiked Amount 50.000		Recovery =	68.01%
Target Compounds			
1) T n-Nonane (C9)	3.678	2500183	23.451 ug/ml
2) T n-Decane (C10)	4.906	3080087	28.134 ug/ml
3) T A~Naphthalene (C11.7)	6.599	4044661	33.285 ug/ml
4) T n-Dodecane (C12)	7.033	3702341	32.803 ug/ml
5) T A~2-methylnaphthalene...	7.678	4056913	33.982 ug/ml
6) T n-Tetradecane (C14)	8.840	4250224	36.543 ug/ml
7) T n-Hexadecane (C16)	10.432	4483576	35.550 ug/ml
8) T n-Octadecane (C18)	11.866	4593906	34.722 ug/ml
10) T n-Eicosane (C20)	13.167	4744778	36.194 ug/ml
11) T n-Heneicosane (C21)	13.775	4549974	34.956 ug/ml
13) T n-Docosane (C22)	14.359	4508259	34.352 ug/ml
14) T n-Tetracosane (C24)	15.462	8860328	66.704 ug/ml
15) T n-Hexacosane (C26)	16.475	4313897	32.635 ug/ml
16) T n-Octacosane (C28)	17.420	4215284	31.938 ug/mlm
17) T n-Tricontane (C30)	18.305	4218680	30.942 ug/ml
18) T n-Dotriacontane (C32)	19.134	4088157	31.194 ug/ml
19) T n-Tetratriacontane (C34)	19.915	3949355	35.079 ug/ml
20) T n-Hexatriacontane (C36)	20.653	3607816	37.984 ug/ml
21) T n-Octatriacontane (C38)	21.437	3421774	39.612 ug/mlm
22) T n-Tetracontane (C40)	22.437	3374308	40.945 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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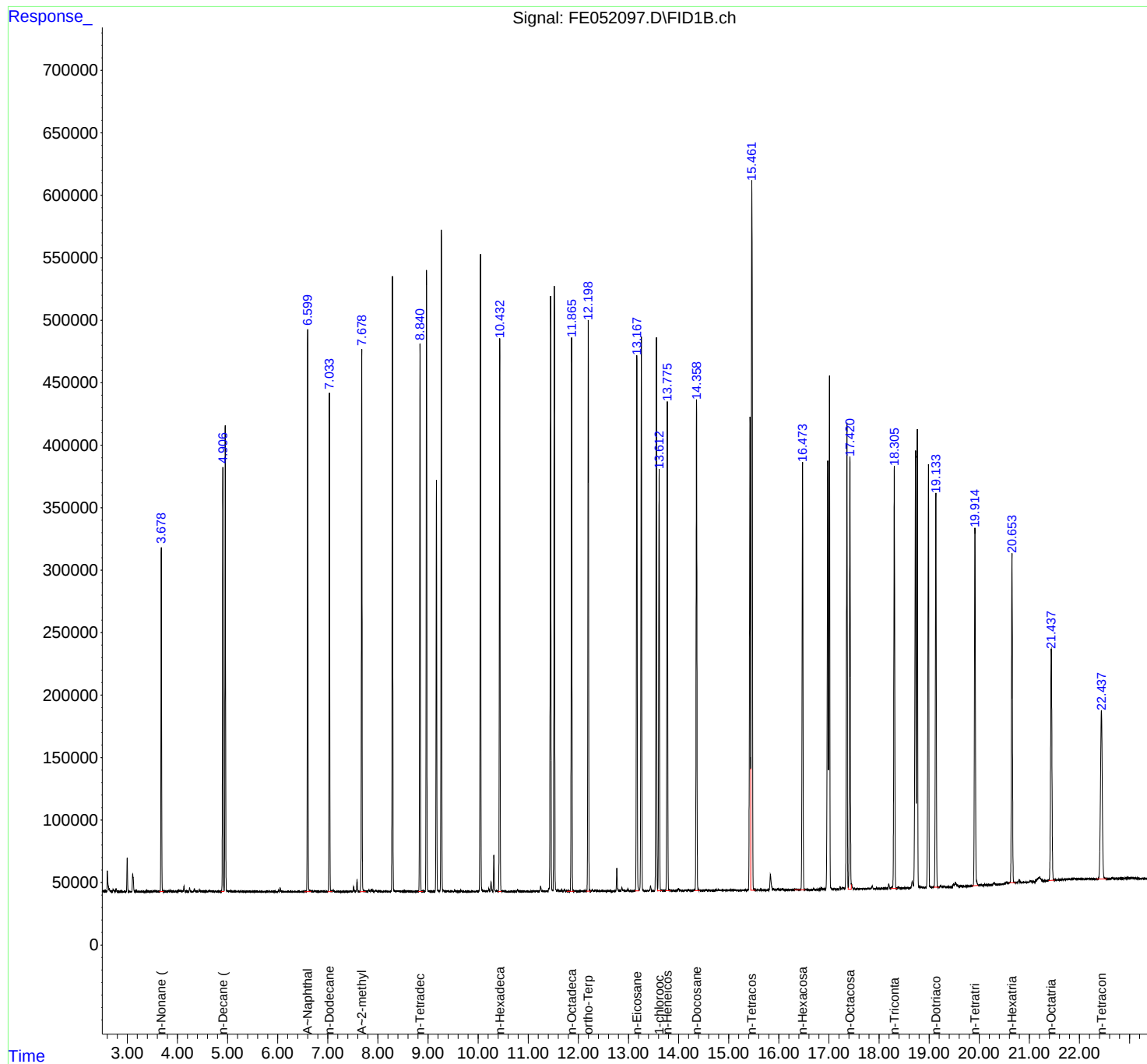
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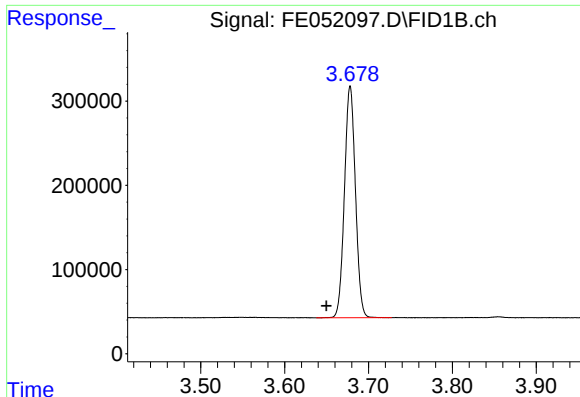
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#1 n-Nonane (C9)

R.T.: 3.678 min
Delta R.T.: 0.028 min
Response: 2500183
Conc: 23.45 ug/ml

Instrument :

FID_E

ClientSampleId :

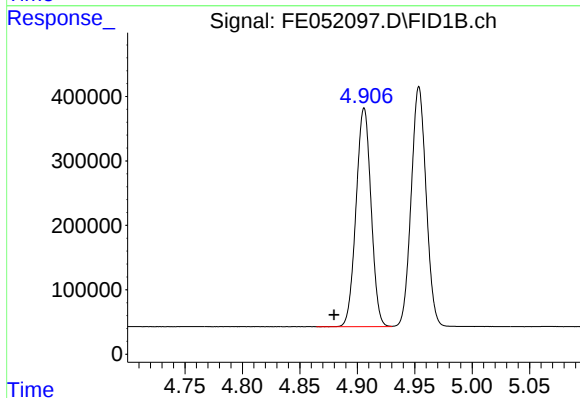
SP-COMPMSD

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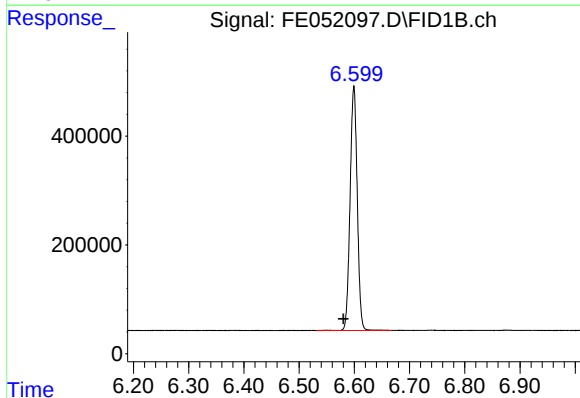
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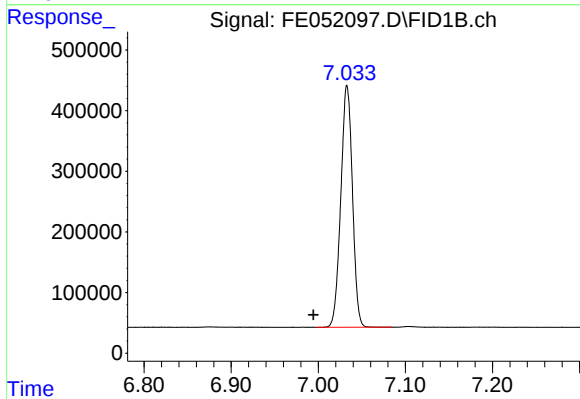
#2 n-Decane (C10)

R.T.: 4.906 min
Delta R.T.: 0.026 min
Response: 3080087
Conc: 28.13 ug/ml



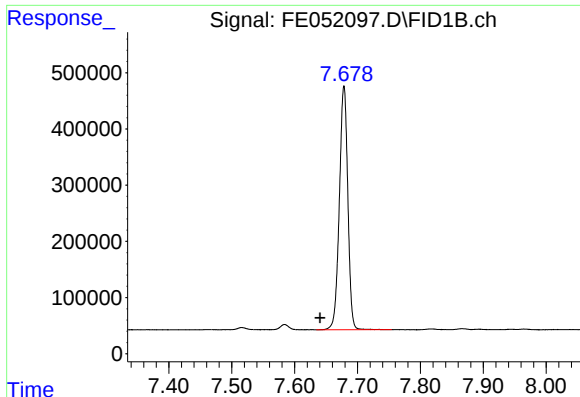
#3 A~Naphthalene (C11.7)

R.T.: 6.599 min
Delta R.T.: 0.019 min
Response: 4044661
Conc: 33.28 ug/ml



#4 n-Dodecane (C12)

R.T.: 7.033 min
Delta R.T.: 0.039 min
Response: 3702341
Conc: 32.80 ug/ml



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

R.T.: 7.678 min
Delta R.T.: 0.038 min
Response: 4056913
Conc: 33.98 ug/ml

Instrument :

FID_E

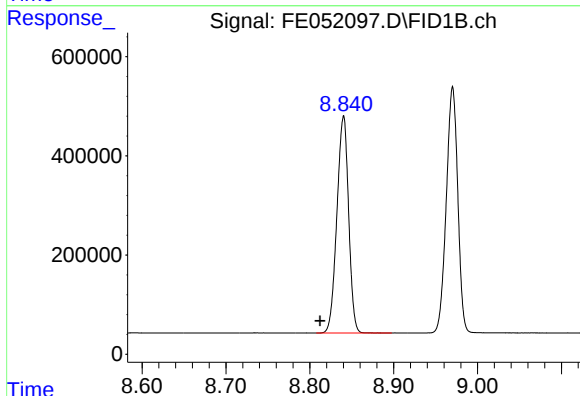
ClientSampleId :

SP-COMPMSD

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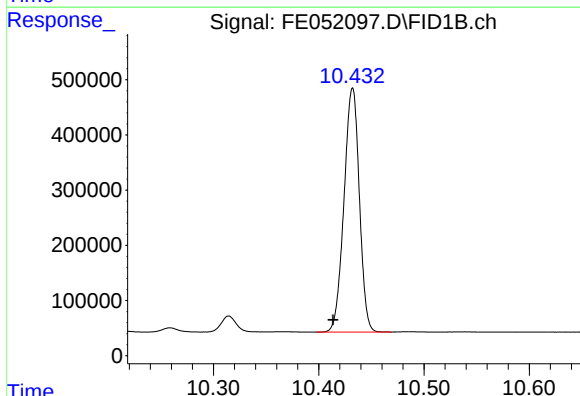
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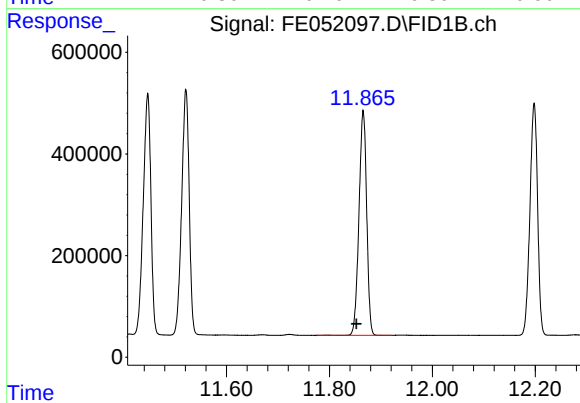
#6 n-Tetradecane (C14)

R.T.: 8.840 min
Delta R.T.: 0.028 min
Response: 4250224
Conc: 36.54 ug/ml



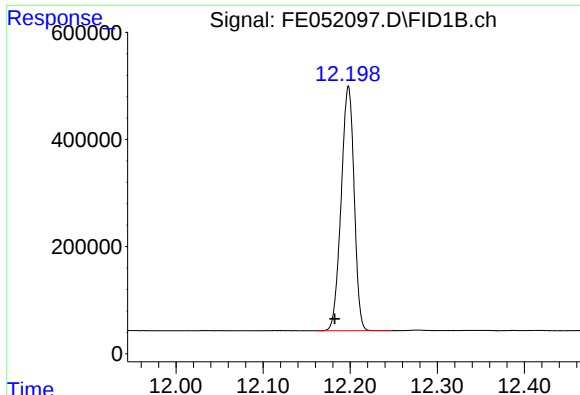
#7 n-Hexadecane (C16)

R.T.: 10.432 min
Delta R.T.: 0.018 min
Response: 4483576
Conc: 35.55 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.866 min
Delta R.T.: 0.013 min
Response: 4593906
Conc: 34.72 ug/ml



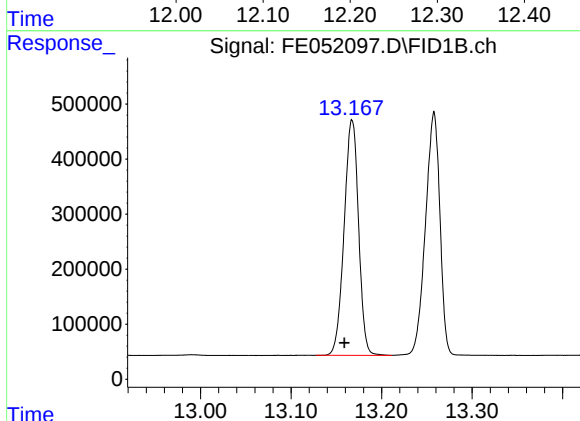
#9 ortho-Terphenyl (SURR)

R.T.: 12.198 min
Delta R.T.: 0.015 min
Response: 4725373
Conc: 33.06 ug/ml

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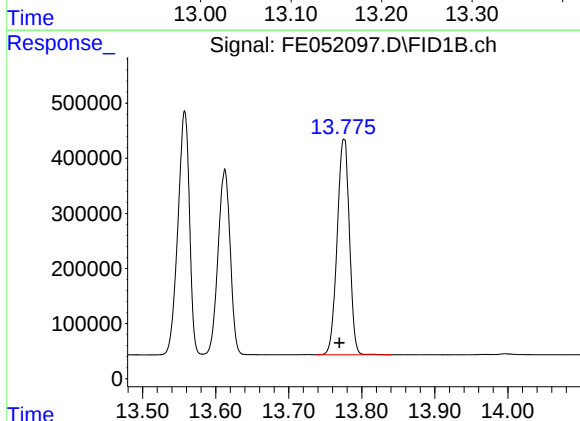
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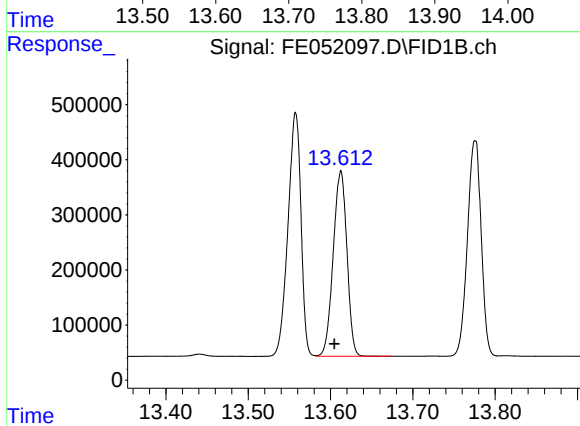
#10 n-Eicosane (C20)

R.T.: 13.167 min
Delta R.T.: 0.008 min
Response: 4744778
Conc: 36.19 ug/ml



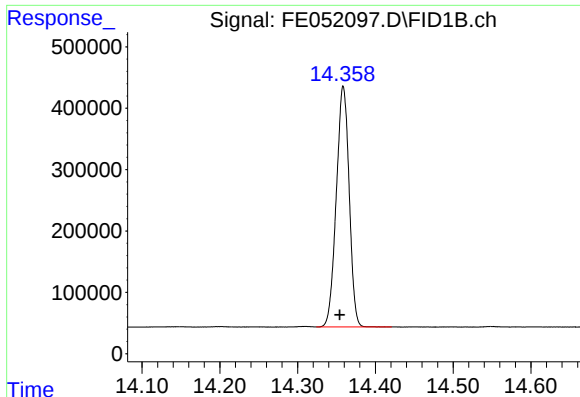
#11 n-Heneicosane (C21)

R.T.: 13.775 min
Delta R.T.: 0.006 min
Response: 4549974
Conc: 34.96 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.612 min
Delta R.T.: 0.008 min
Response: 3901046
Conc: 34.01 ug/ml



#13 n-Docosane (C22)

R.T.: 14.359 min
Delta R.T.: 0.005 min
Response: 4508259
Conc: 34.35 ug/ml

Instrument :

FID_E

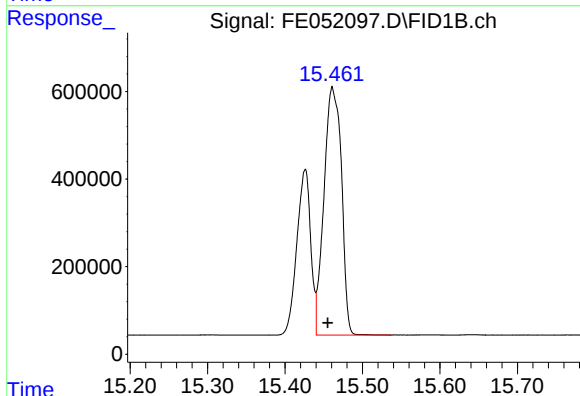
ClientSampleId :

SP-COMPMSD

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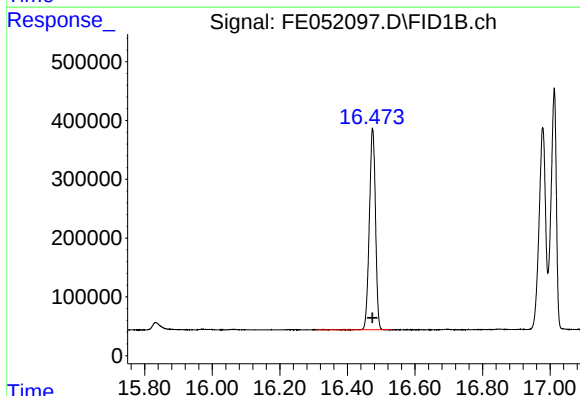
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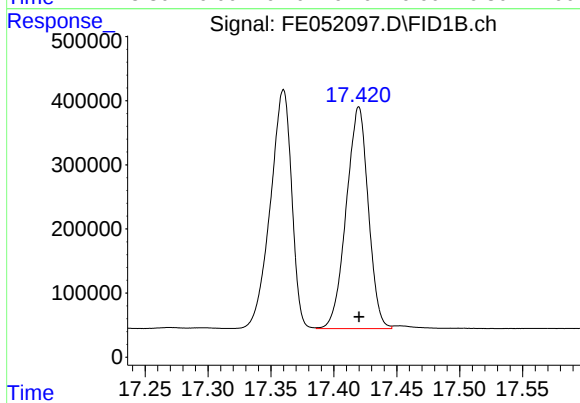
#14 n-Tetracosane (C24)

R.T.: 15.462 min
Delta R.T.: 0.007 min
Response: 8860328
Conc: 66.70 ug/ml



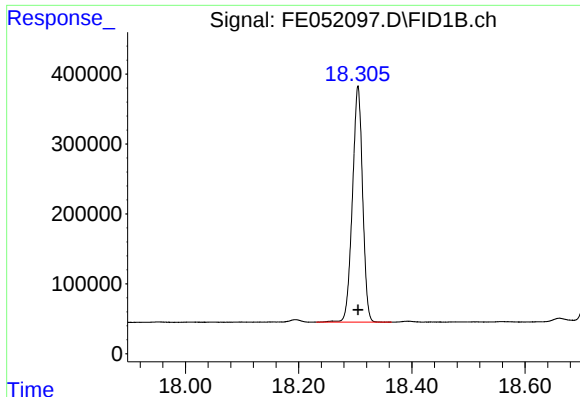
#15 n-Hexacosane (C26)

R.T.: 16.475 min
Delta R.T.: 0.000 min
Response: 4313897
Conc: 32.64 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.420 min
Delta R.T.: 0.000 min
Response: 4215284
Conc: 31.94 ug/ml m



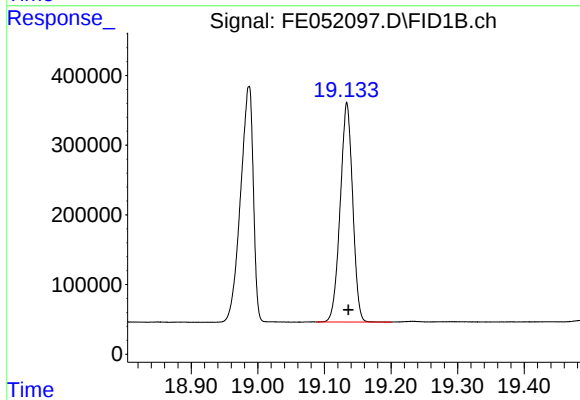
#17 n-Tricontane (C30)

R.T.: 18.305 min
Delta R.T.: 0.000 min
Response: 4218680
Conc: 30.94 ug/ml

Instrument :
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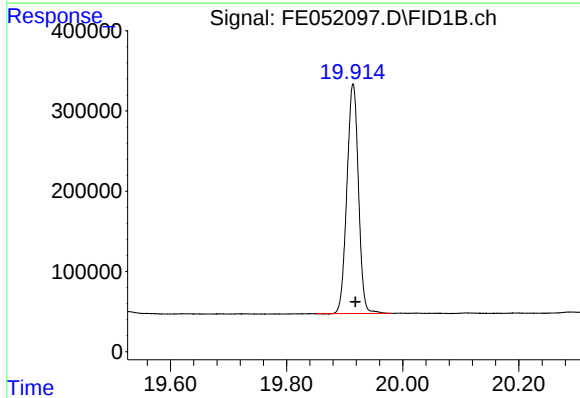
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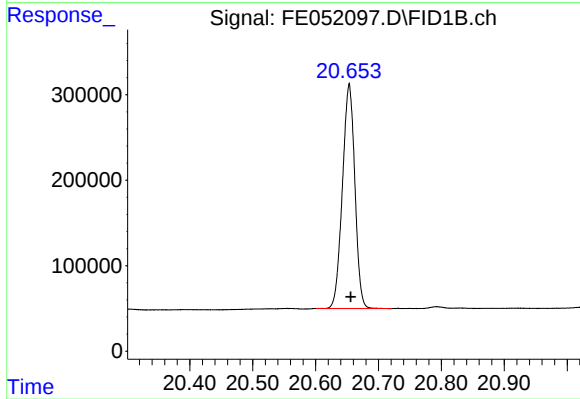
#18 n-Dotriacontane (C32)

R.T.: 19.134 min
Delta R.T.: -0.002 min
Response: 4088157
Conc: 31.19 ug/ml



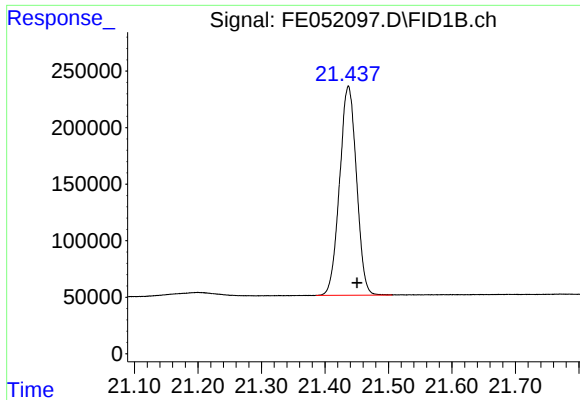
#19 n-Tetratriacontane (C34)

R.T.: 19.915 min
Delta R.T.: -0.004 min
Response: 3949355
Conc: 35.08 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.653 min
Delta R.T.: -0.002 min
Response: 3607816
Conc: 37.98 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.437 min
Delta R.T.: -0.014 min
Response: 3421774
Conc: 39.61 ug/ml

Instrument :

FID_E

ClientSampleId :

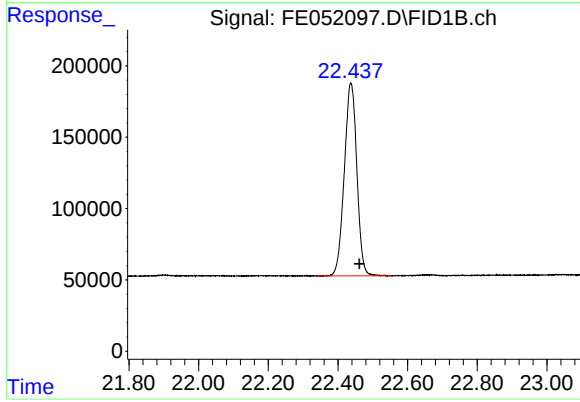
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#22 n-Tetracontane (C40)

R.T.: 22.437 min
Delta R.T.: -0.025 min
Response: 3374308
Conc: 40.95 ug/ml