

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091225AL\
 Data File : FE055812.D
 Signal(s) : FID1B.ch
 Acq On : 12 Sep 2025 20:24
 Operator : YP\AJ
 Sample : Q3082-07MS
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/15/2025
 Supervised By :mohammad ahmed 09/16/2025

Integration File: autoint1.e
 Quant Time: Sep 13 04:46:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 29 08:12:09 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)	12.071	4655903	28.341 ug/ml
Spiked Amount 50.000		Recovery =	56.68%
12) S 1-chlorooctadecane (S...	13.507	3718263	29.735 ug/ml
Spiked Amount 50.000		Recovery =	59.47%
Target Compounds			
1) T n-Nonane (C9)	3.411	3567790	28.115 ug/ml
2) T n-Decane (C10)	4.669	3983288	31.096 ug/ml
3) T A~Naphthalene (C11.7)	6.387	4982106	34.291 ug/ml
4) T n-Dodecane (C12)	6.844	4578746	35.164 ug/ml
5) T A~2-methylnaphthalene...	7.488	5061516	35.987 ug/ml
6) T n-Tetradecane (C14)	8.683	5370687	40.782 ug/ml
7) T n-Hexadecane (C16)	10.297	6047264	43.663 ug/ml
8) T n-Octadecane (C18)	11.745	6138142	42.082 ug/mlm
10) T n-Eicosane (C20)	13.061	6318111	43.892 ug/ml
11) T n-Heneicosane (C21)	13.675	5930921	41.520 ug/ml
13) T n-Docosane (C22)	14.263	5767249	40.290 ug/ml
14) T n-Tetracosane (C24)	15.369	11305728	78.133 ug/ml
15) T n-Hexacosane (C26)	16.395	5217067	36.518 ug/mlm
16) T n-Octacosane (C28)	17.345	5114887	35.960 ug/ml
17) T n-Tricontane (C30)	18.236	5359217	36.255 ug/ml
18) T n-Dotriacontane (C32)	19.070	5415418	36.896 ug/ml
19) T n-Tetratriacontane (C34)	19.854	5549150	39.276 ug/ml
20) T n-Hexatriacontane (C36)	20.595	5610048	42.514 ug/ml
21) T n-Octatriacontane (C38)	21.373	5765491	44.268 ug/mlm
22) T n-Tetracontane (C40)	22.356	5478666	42.722 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Acq On : 12 Sep 2025 20:24
Operator : YP\AJ
Sample : Q3082-07MS
Misc :
ALS Vial : 32 Sample Multiplier: 1

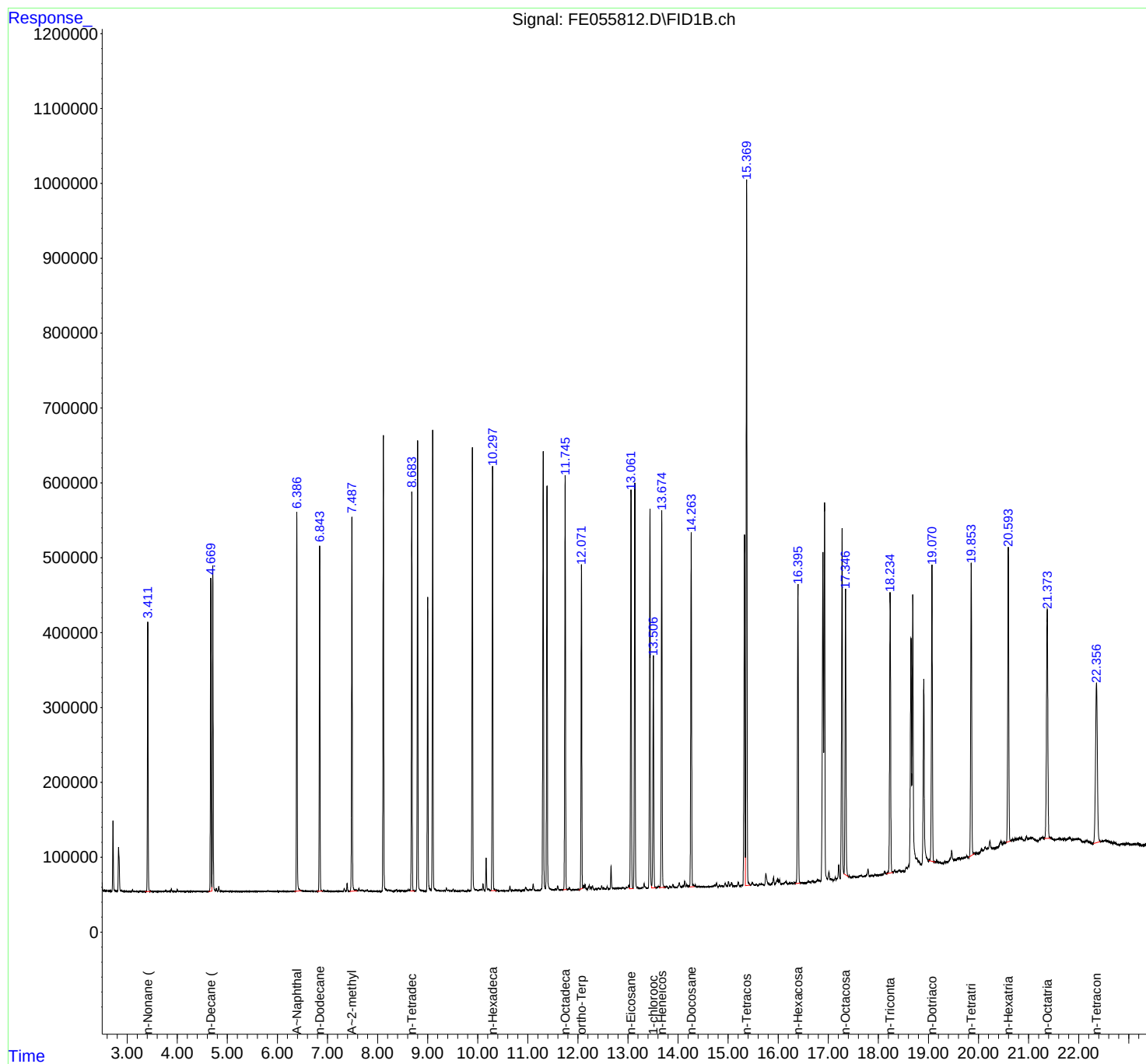
Instrument :
FID_E
ClientSampleId :

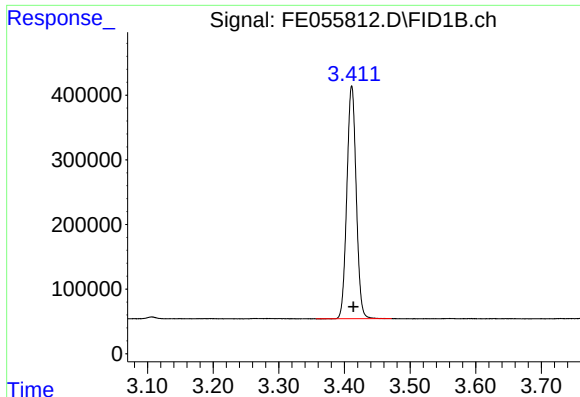
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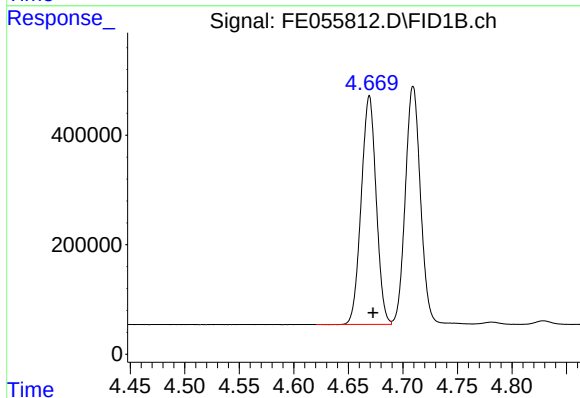
#1 n-Nonane (C9)

R.T.: 3.411 min
Delta R.T.: -0.003 min
Response: 3567790
Conc: 28.11 ug/ml

Instrument :
FID_E
ClientSampleId :

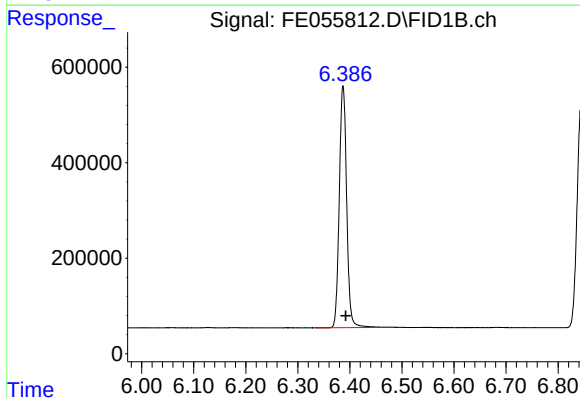
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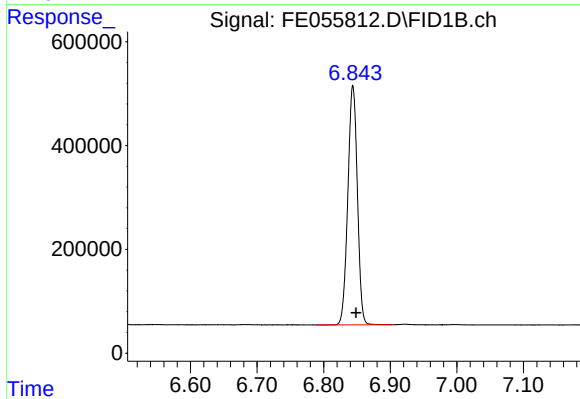
#2 n-Decane (C10)

R.T.: 4.669 min
Delta R.T.: -0.003 min
Response: 3983288
Conc: 31.10 ug/ml



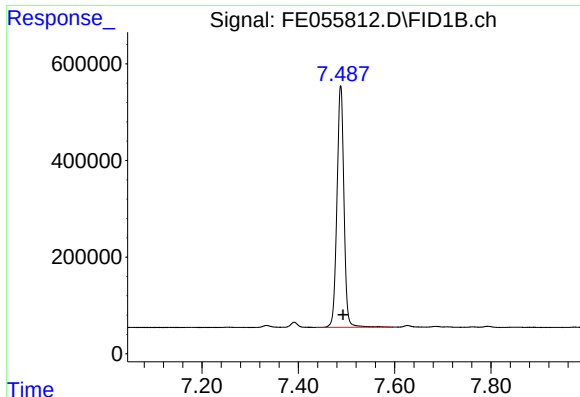
#3 A~Naphthalene (C11.7)

R.T.: 6.387 min
Delta R.T.: -0.005 min
Response: 4982106
Conc: 34.29 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.844 min
Delta R.T.: -0.005 min
Response: 4578746
Conc: 35.16 ug/ml



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

R.T.: 7.488 min
Delta R.T.: -0.005 min
Response: 5061516
Conc: 35.99 ug/ml

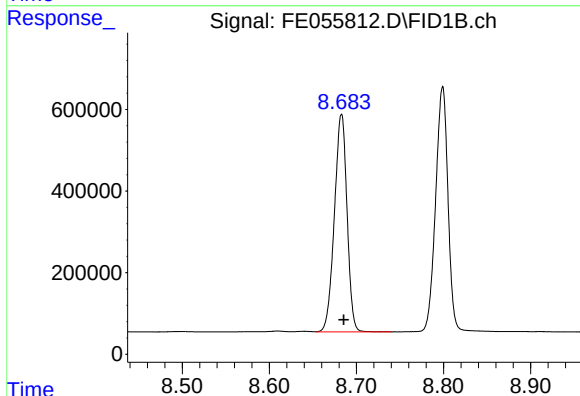
Instrument :

FID_E

ClientSampleId :

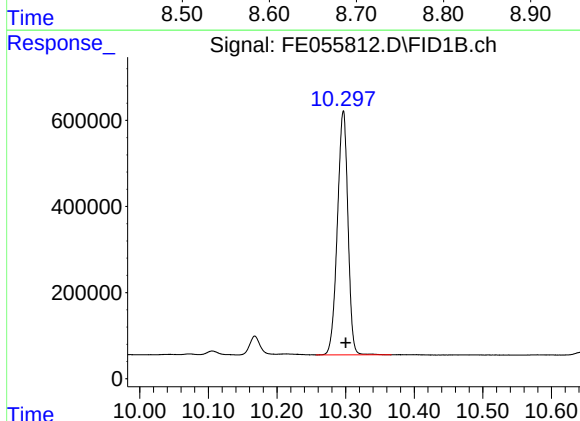
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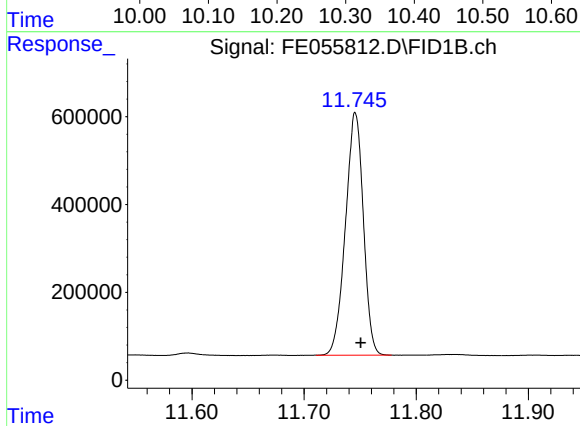
#6 n-Tetradecane (C14)

R.T.: 8.683 min
Delta R.T.: -0.003 min
Response: 5370687
Conc: 40.78 ug/ml



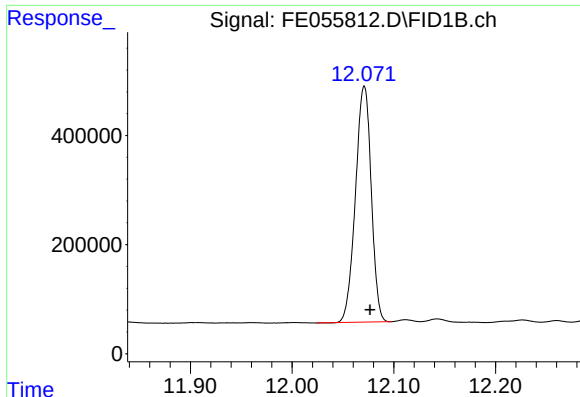
#7 n-Hexadecane (C16)

R.T.: 10.297 min
Delta R.T.: -0.004 min
Response: 6047264
Conc: 43.66 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.745 min
Delta R.T.: -0.005 min
Response: 6138142
Conc: 42.08 ug/ml m



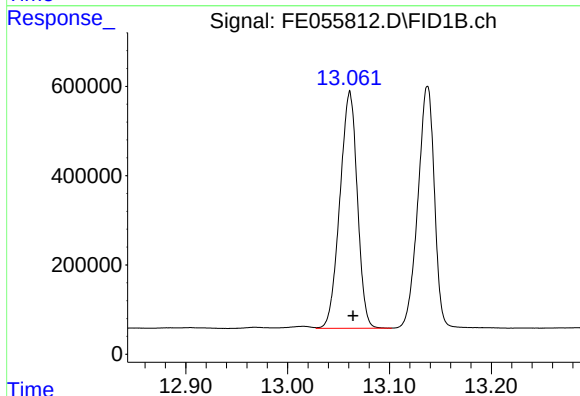
#9 ortho-Terphenyl (SURR)

R.T.: 12.071 min
Delta R.T.: -0.006 min
Response: 4655903
Conc: 28.34 ug/ml

Instrument :
FID_E
ClientSampleId :

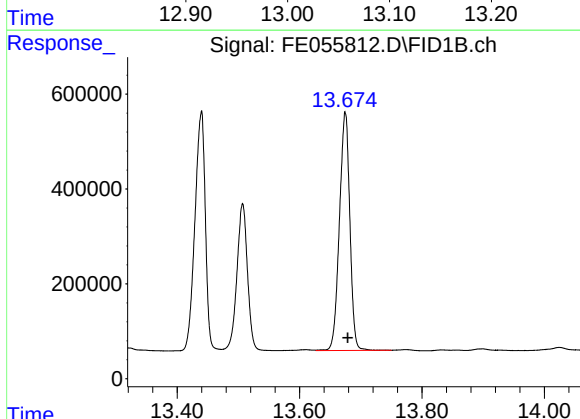
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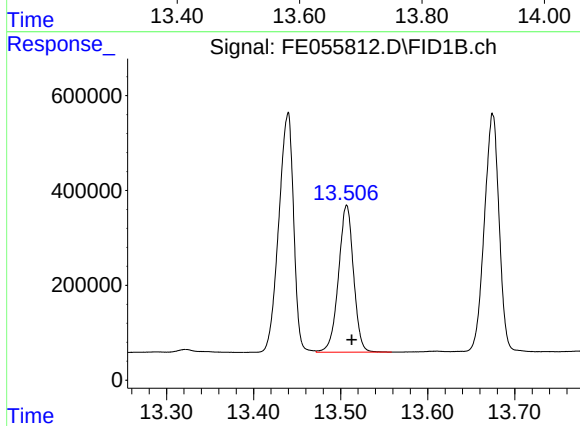
#10 n-Eicosane (C20)

R.T.: 13.061 min
Delta R.T.: -0.003 min
Response: 6318111
Conc: 43.89 ug/ml



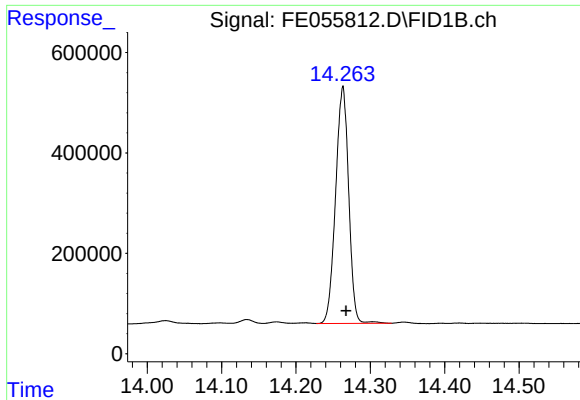
#11 n-Heneicosane (C21)

R.T.: 13.675 min
Delta R.T.: -0.004 min
Response: 5930921
Conc: 41.52 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.507 min
Delta R.T.: -0.006 min
Response: 3718263
Conc: 29.74 ug/ml



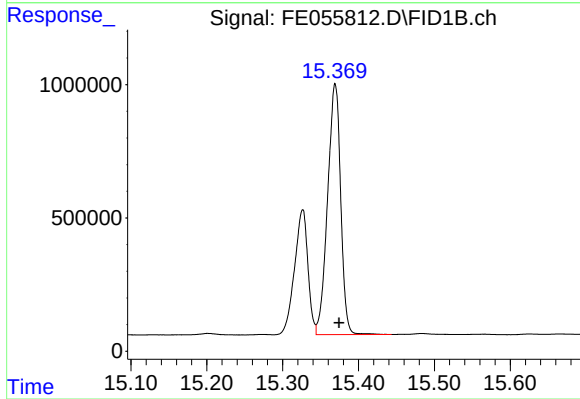
#13 n-Docosane (C22)

R.T.: 14.263 min
Delta R.T.: -0.004 min
Response: 5767249
Conc: 40.29 ug/ml

Instrument :
FID_E
ClientSampleId :

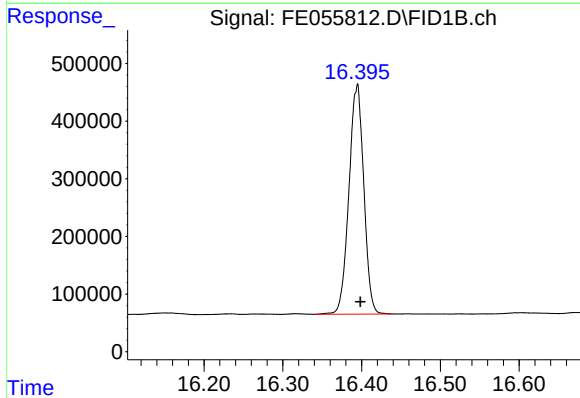
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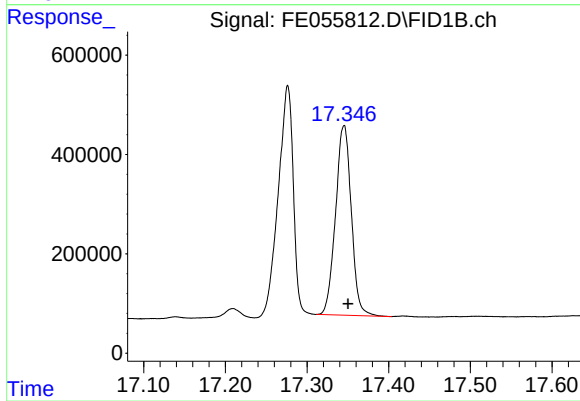
#14 n-Tetracosane (C24)

R.T.: 15.369 min
Delta R.T.: -0.005 min
Response: 11305728
Conc: 78.13 ug/ml



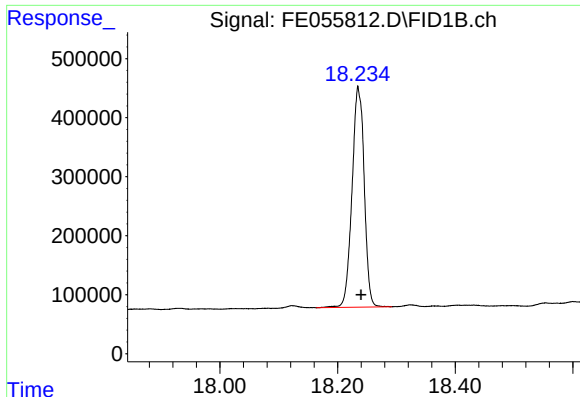
#15 n-Hexacosane (C26)

R.T.: 16.395 min
Delta R.T.: -0.003 min
Response: 5217067
Conc: 36.52 ug/ml m



#16 n-Octacosane (C28)

R.T.: 17.345 min
Delta R.T.: -0.005 min
Response: 5114887
Conc: 35.96 ug/ml



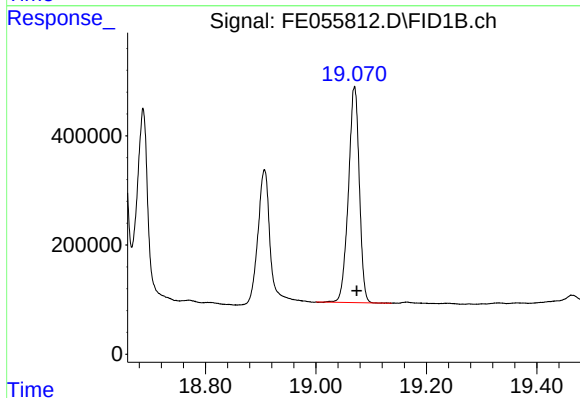
#17 n-Tricontane (C30)

R.T.: 18.236 min
Delta R.T.: -0.004 min
Response: 5359217
Conc: 36.26 ug/ml

Instrument :
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ClientSampleId :

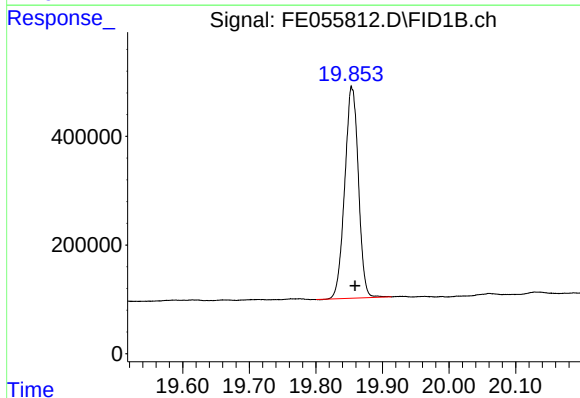
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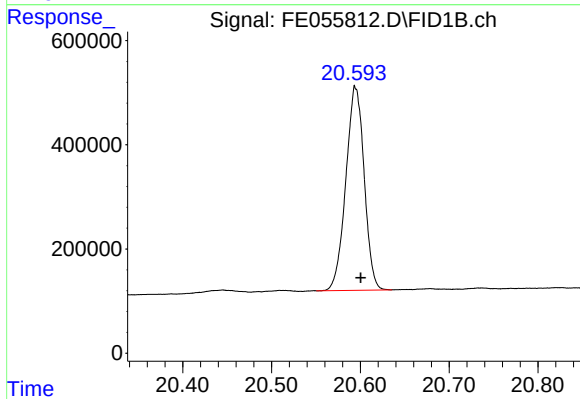
#18 n-Dotriacontane (C32)

R.T.: 19.070 min
Delta R.T.: -0.004 min
Response: 5415418
Conc: 36.90 ug/ml



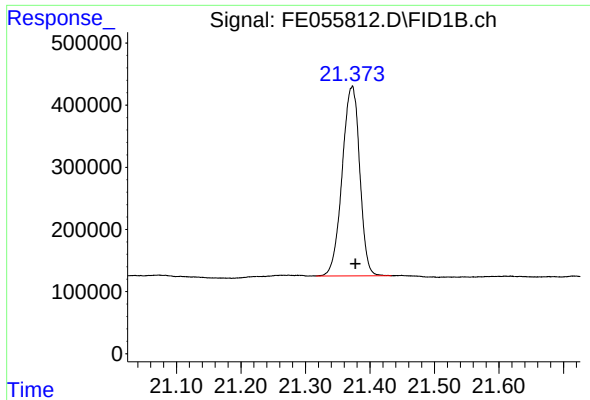
#19 n-Tetratriacontane (C34)

R.T.: 19.854 min
Delta R.T.: -0.005 min
Response: 5549150
Conc: 39.28 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.595 min
Delta R.T.: -0.006 min
Response: 5610048
Conc: 42.51 ug/ml



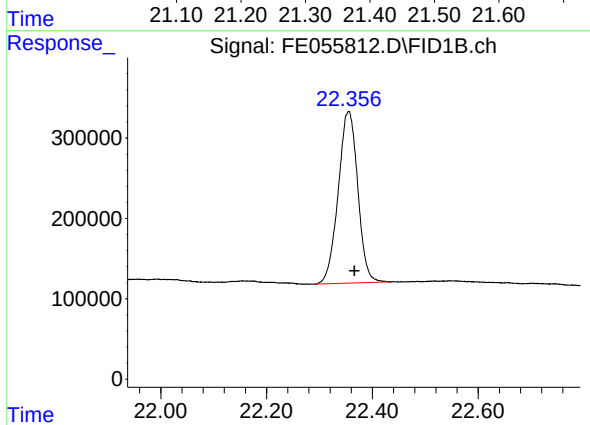
#21 n-Octatriacontane (C38)

R.T.: 21.373 min
Delta R.T.: -0.004 min
Response: 5765491
Conc: 44.27 ug/ml

Instrument :
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#22 n-Tetracontane (C40)

R.T.: 22.356 min
Delta R.T.: -0.010 min
Response: 5478666
Conc: 42.72 ug/ml m