

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081225AL\
 Data File : FE055258.D
 Signal(s) : FID1B.ch
 Acq On : 12 Aug 2025 15:56
 Operator : YP\AJ
 Sample : Q2757-07MSD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 5MSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/13/2025
 Supervised By :mohammad ahmed 08/13/2025

Integration File: autoint1.e
 Quant Time: Aug 13 04:04:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 Qlast Update : Fri Aug 01 13:47:09 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)	12.089	5533724	38.751 ug/ml
Spiked Amount 50.000		Recovery =	77.50%
12) S 1-chlorooctadecane (S...	13.525	4475429	41.623 ug/ml
Spiked Amount 50.000		Recovery =	83.25%
Target Compounds			
1) T n-Nonane (C9)	3.434	4703878	40.985 ug/ml
2) T n-Decane (C10)	4.687	4957950	42.559 ug/ml
3) T A~Naphthalene (C11.7)	6.404	6242150	46.503 ug/ml
4) T n-Dodecane (C12)	6.859	5351063	44.936 ug/ml
5) T A~2-methylnaphthalene...	7.505	5888524	45.163 ug/ml
6) T n-Tetradecane (C14)	8.697	5591949	45.608 ug/ml
7) T n-Hexadecane (C16)	10.312	5789146	45.283 ug/ml
8) T n-Octadecane (C18)	11.762	5873644	45.017 ug/ml
10) T n-Eicosane (C20)	13.078	6048594	48.207 ug/ml
11) T n-Heneicosane (C21)	13.693	5795579	47.016 ug/ml
13) T n-Docosane (C22)	14.281	5788378	47.399 ug/ml
14) T n-Tetracosane (C24)	15.391	11815260	97.138 ug/ml
15) T n-Hexacosane (C26)	16.415	5629728	47.053 ug/ml
16) T n-Octacosane (C28)	17.368	5706434	48.105 ug/ml
17) T n-Tricontane (C30)	18.260	5533454	44.970 ug/mlm
18) T n-Dotriacontane (C32)	19.092	5897435	48.335 ug/ml
19) T n-Tetratriacontane (C34)	19.881	5997997	51.300 ug/mlm
20) T n-Hexatriacontane (C36)	20.619	5948752	54.426 ug/ml
21) T n-Octatriacontane (C38)	21.404	6188478	57.263 ug/mlm
22) T n-Tetracontane (C40)	22.398	6281224	60.065 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 23 Sample Multiplier: 1

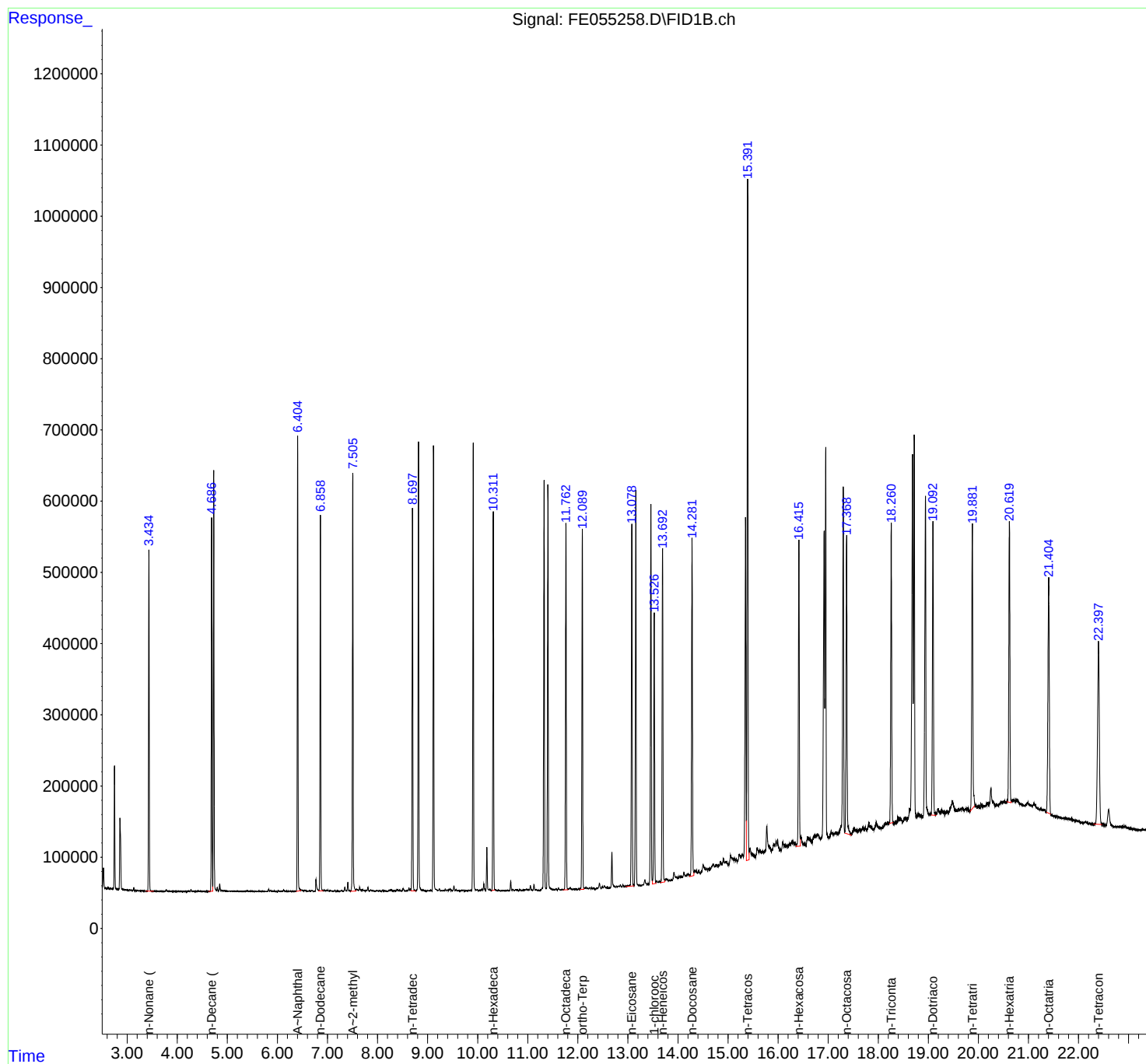
Instrument :
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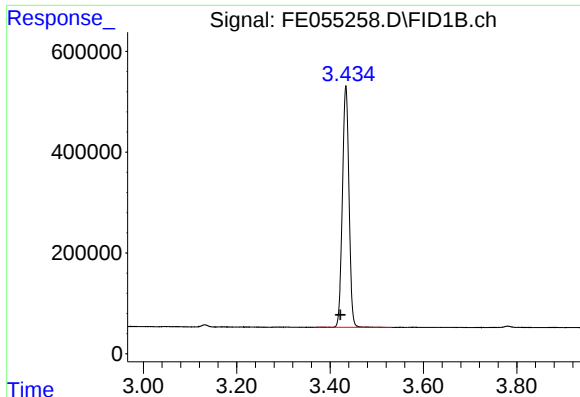
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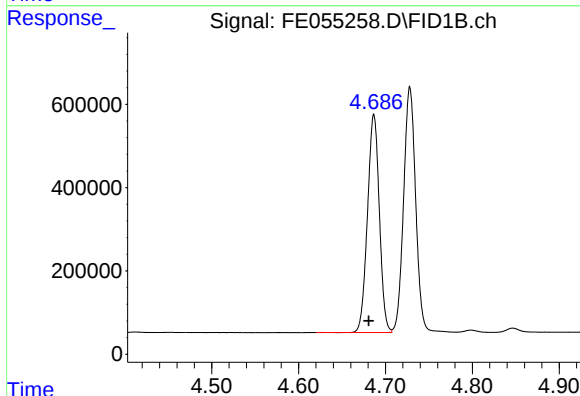
#1 n-Nonane (C9)

R.T.: 3.434 min
Delta R.T.: 0.012 min
Response: 4703878
Conc: 40.99 ug/ml

Instrument :
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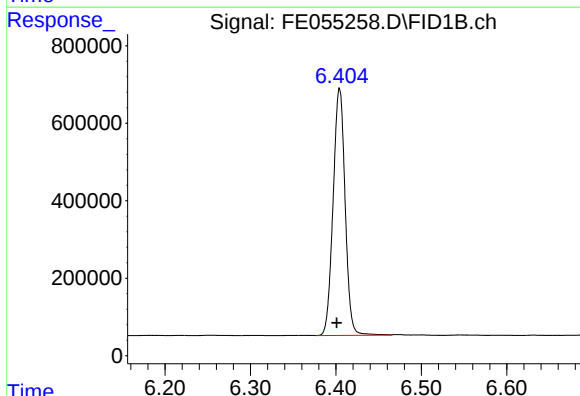
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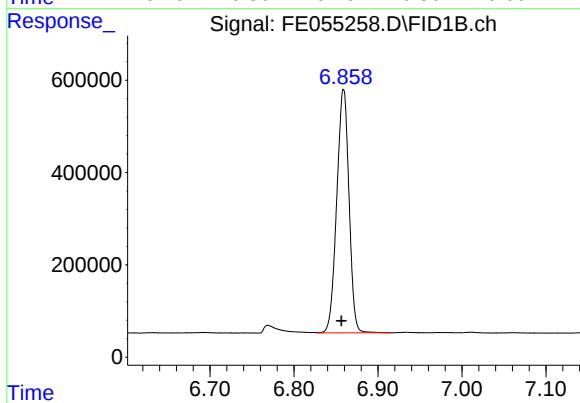
#2 n-Decane (C10)

R.T.: 4.687 min
Delta R.T.: 0.006 min
Response: 4957950
Conc: 42.56 ug/ml



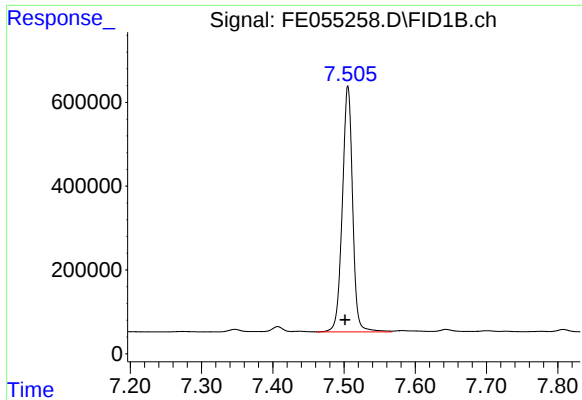
#3 A~Naphthalene (C11.7)

R.T.: 6.404 min
Delta R.T.: 0.003 min
Response: 6242150
Conc: 46.50 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.859 min
Delta R.T.: 0.003 min
Response: 5351063
Conc: 44.94 ug/ml



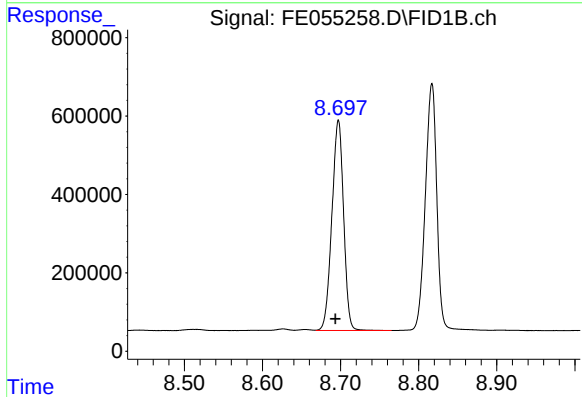
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.505 min
Delta R.T.: 0.004 min
Response: 5888524
Conc: 45.16 ug/ml

Instrument :
FID_E
ClientSampleId :
5MSD

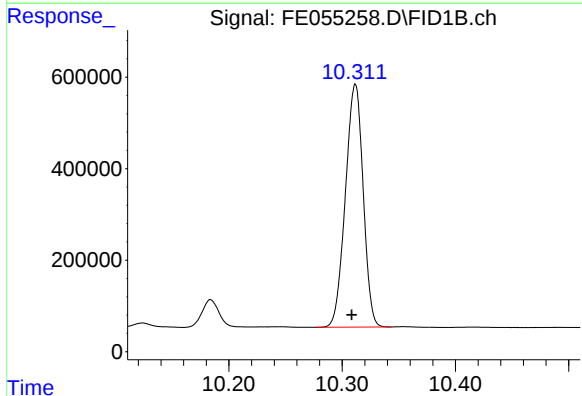
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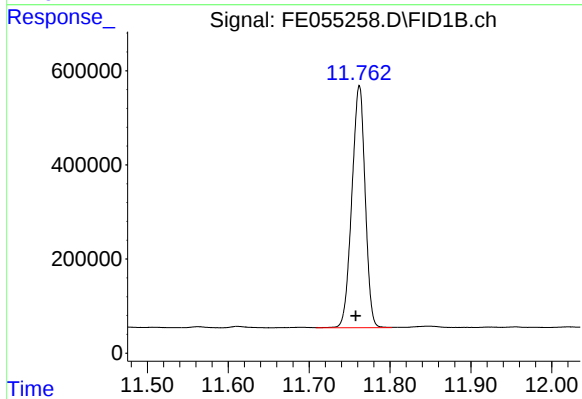
#6 n-Tetradecane (C14)

R.T.: 8.697 min
Delta R.T.: 0.004 min
Response: 5591949
Conc: 45.61 ug/ml



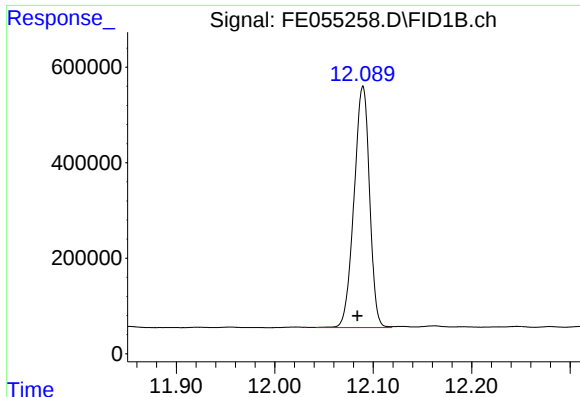
#7 n-Hexadecane (C16)

R.T.: 10.312 min
Delta R.T.: 0.003 min
Response: 5789146
Conc: 45.28 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.762 min
Delta R.T.: 0.004 min
Response: 5873644
Conc: 45.02 ug/ml



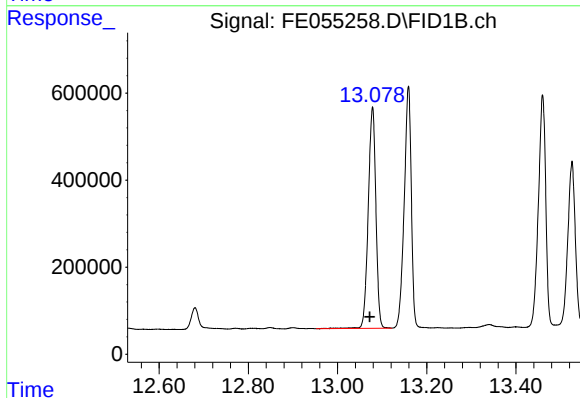
#9 ortho-Terphenyl (SURR)

R.T.: 12.089 min
Delta R.T.: 0.005 min
Response: 5533724
Conc: 38.75 ug/ml

Instrument :
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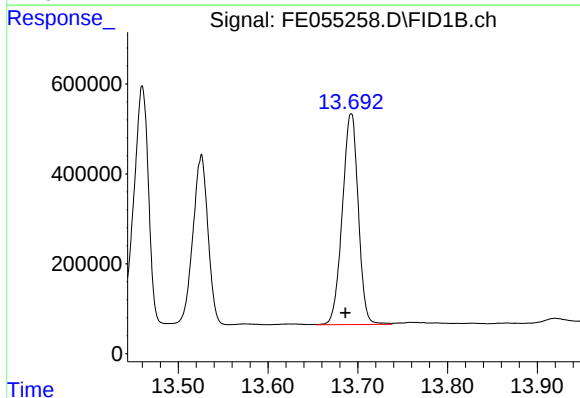
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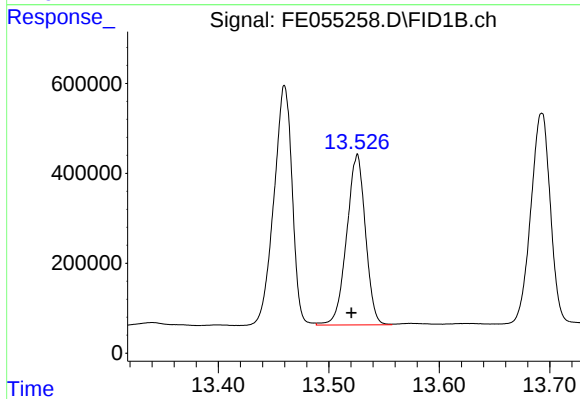
#10 n-Eicosane (C20)

R.T.: 13.078 min
Delta R.T.: 0.006 min
Response: 6048594
Conc: 48.21 ug/ml



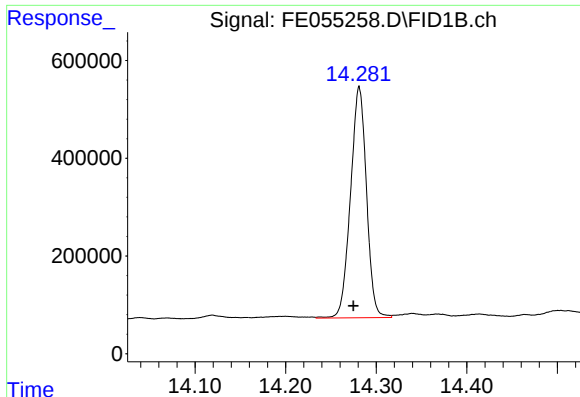
#11 n-Heneicosane (C21)

R.T.: 13.693 min
Delta R.T.: 0.006 min
Response: 5795579
Conc: 47.02 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.525 min
Delta R.T.: 0.005 min
Response: 4475429
Conc: 41.62 ug/ml



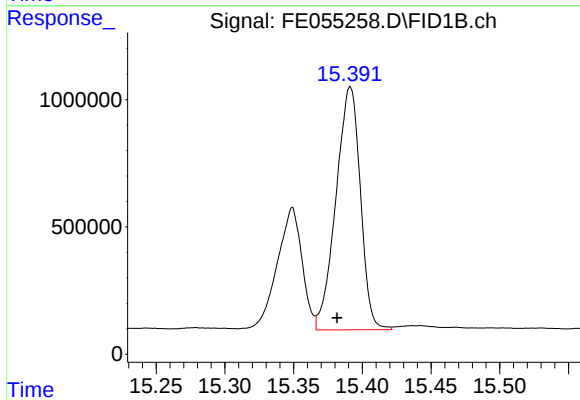
#13 n-Docosane (C22)

R.T.: 14.281 min
Delta R.T.: 0.006 min
Response: 5788378
Conc: 47.40 ug/ml

Instrument :
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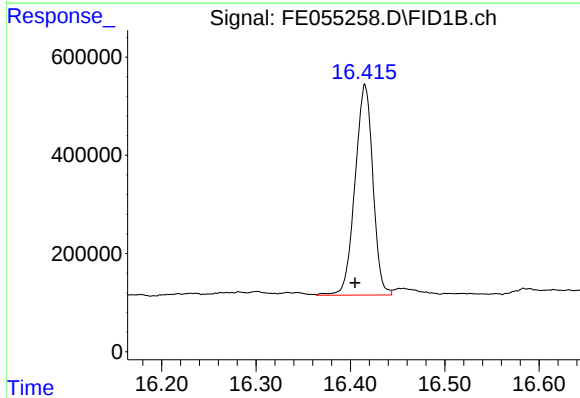
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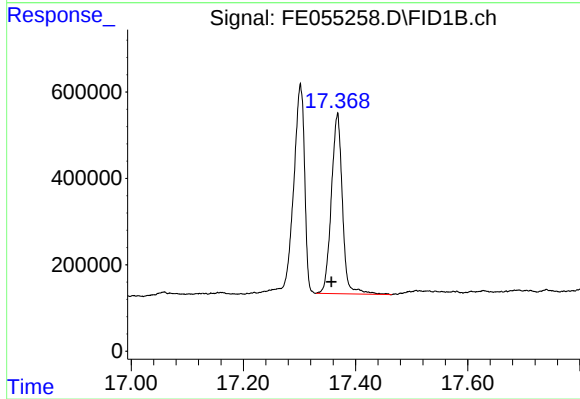
#14 n-Tetracosane (C24)

R.T.: 15.391 min
Delta R.T.: 0.009 min
Response: 11815260
Conc: 97.14 ug/ml



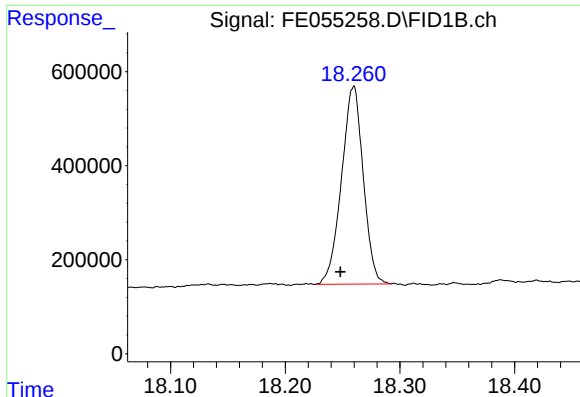
#15 n-Hexacosane (C26)

R.T.: 16.415 min
Delta R.T.: 0.010 min
Response: 5629728
Conc: 47.05 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.368 min
Delta R.T.: 0.011 min
Response: 5706434
Conc: 48.11 ug/ml



#17 n-Tricontane (C30)

R.T.: 18.260 min
Delta R.T.: 0.012 min
Response: 5533454
Conc: 44.97 ug/ml

Instrument :

FID_E

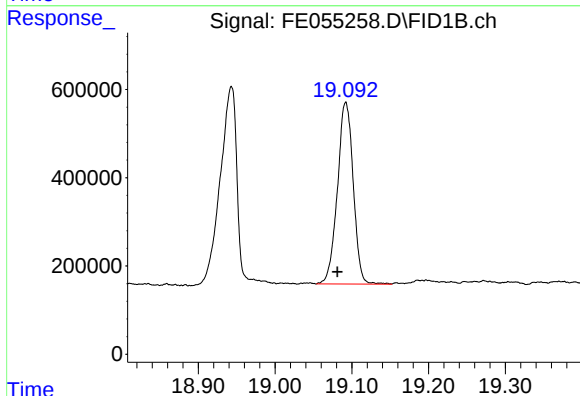
ClientSampleId :

5MSD

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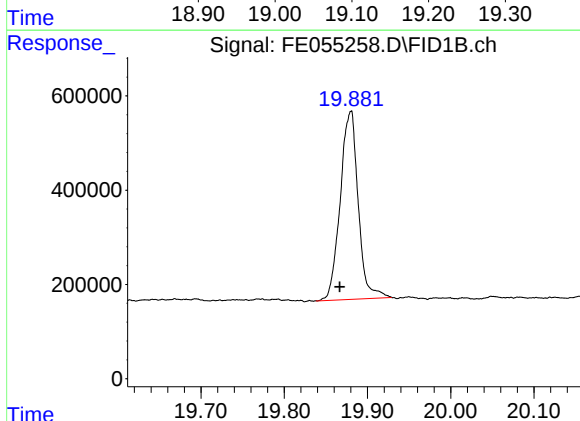
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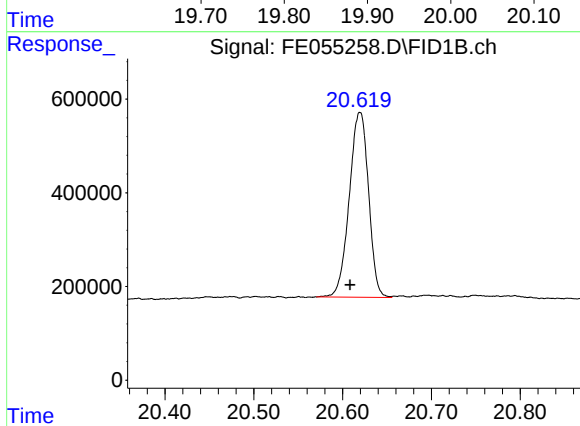
#18 n-Dotriacontane (C32)

R.T.: 19.092 min
Delta R.T.: 0.011 min
Response: 5897435
Conc: 48.34 ug/ml



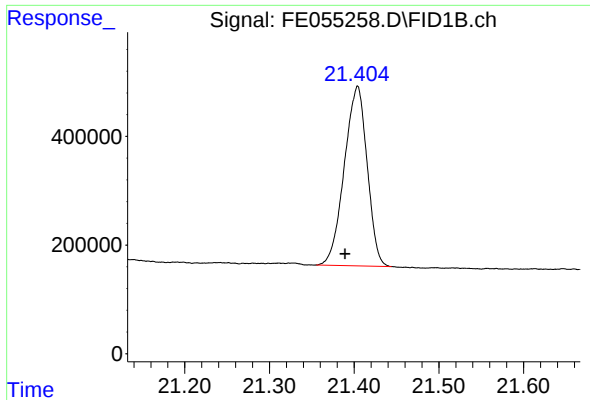
#19 n-Tetratriacontane (C34)

R.T.: 19.881 min
Delta R.T.: 0.014 min
Response: 5997997
Conc: 51.30 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.619 min
Delta R.T.: 0.011 min
Response: 5948752
Conc: 54.43 ug/ml



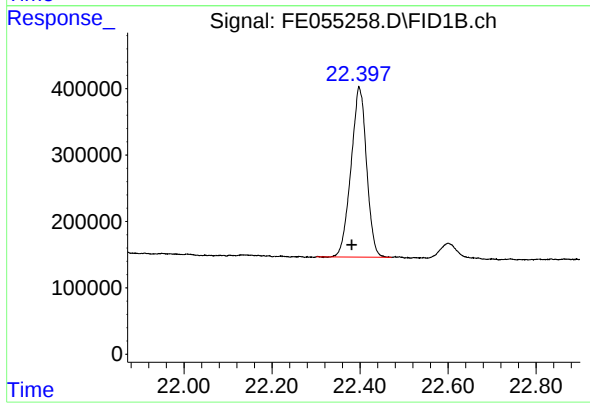
#21 n-Octatriacontane (C38)

R.T.: 21.404 min
Delta R.T.: 0.014 min
Response: 6188478
Conc: 57.26 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.398 min
Delta R.T.: 0.018 min
Response: 6281224
Conc: 60.06 ug/ml