

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE060325AL\
 Data File : FE054155.D
 Signal(s) : FID1B.ch
 Acq On : 03 Jun 2025 16:56
 Operator : YP\AJ
 Sample : Q2147-05MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

3MS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/04/2025

Supervised By :mohammad ahmed 06/05/2025

Integration File: autoint1.e

Quant Time: Jun 04 02:52:45 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051425.M

Quant Title : GC Extractables

QLast Update : Wed May 14 12:15:41 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)	11.839	5357181	32.965 ug/ml
Spiked Amount 50.000		Recovery =	65.93%
12) S 1-chlorooctadecane (S...	13.283	4580758	38.640 ug/ml
Spiked Amount 50.000		Recovery =	77.28%
Target Compounds			
1) T n-Nonane (C9)	3.201	5065042	37.476 ug/ml
2) T n-Decane (C10)	4.456	5228305	38.691 ug/ml
3) T A~Naphthalene (C11.7)	6.165	6148361	42.782 ug/ml
4) T n-Dodecane (C12)	6.632	5467838	40.085 ug/ml
5) T A~2-methylnaphthalene...	7.266	5672007	40.892 ug/ml
6) T n-Tetradecane (C14)	8.466	5507027	40.808 ug/ml
7) T n-Hexadecane (C16)	10.077	5613943	41.605 ug/ml
8) T n-Octadecane (C18)	11.525	5523361	41.017 ug/ml
10) T n-Eicosane (C20)	12.838	5762655	43.846 ug/ml
11) T n-Heneicosane (C21)	13.451	5522792	42.600 ug/mlm
13) T n-Docosane (C22)	14.039	5563436	43.609 ug/ml
14) T n-Tetracosane (C24)	15.140	12320403	98.471 ug/ml
15) T n-Hexacosane (C26)	16.170	5321029	43.454 ug/ml
16) T n-Octacosane (C28)	17.120	5358193	44.077 ug/ml
17) T n-Tricontane (C30)	18.011	5419821	43.510 ug/ml
18) T n-Dotriacontane (C32)	18.843	5373041	42.965 ug/ml
19) T n-Tetratriacontane (C34)	19.629	5359488	44.992 ug/ml
20) T n-Hexatriacontane (C36)	20.370	5538261	47.831 ug/ml
21) T n-Octatriacontane (C38)	21.100	5873041	53.967 ug/ml
22) T n-Tetracontane (C40)	21.992	5711428	57.557 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP\AJ
Sample : Q2147-05MS
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ALS Vial : 12 Sample Multiplier: 1

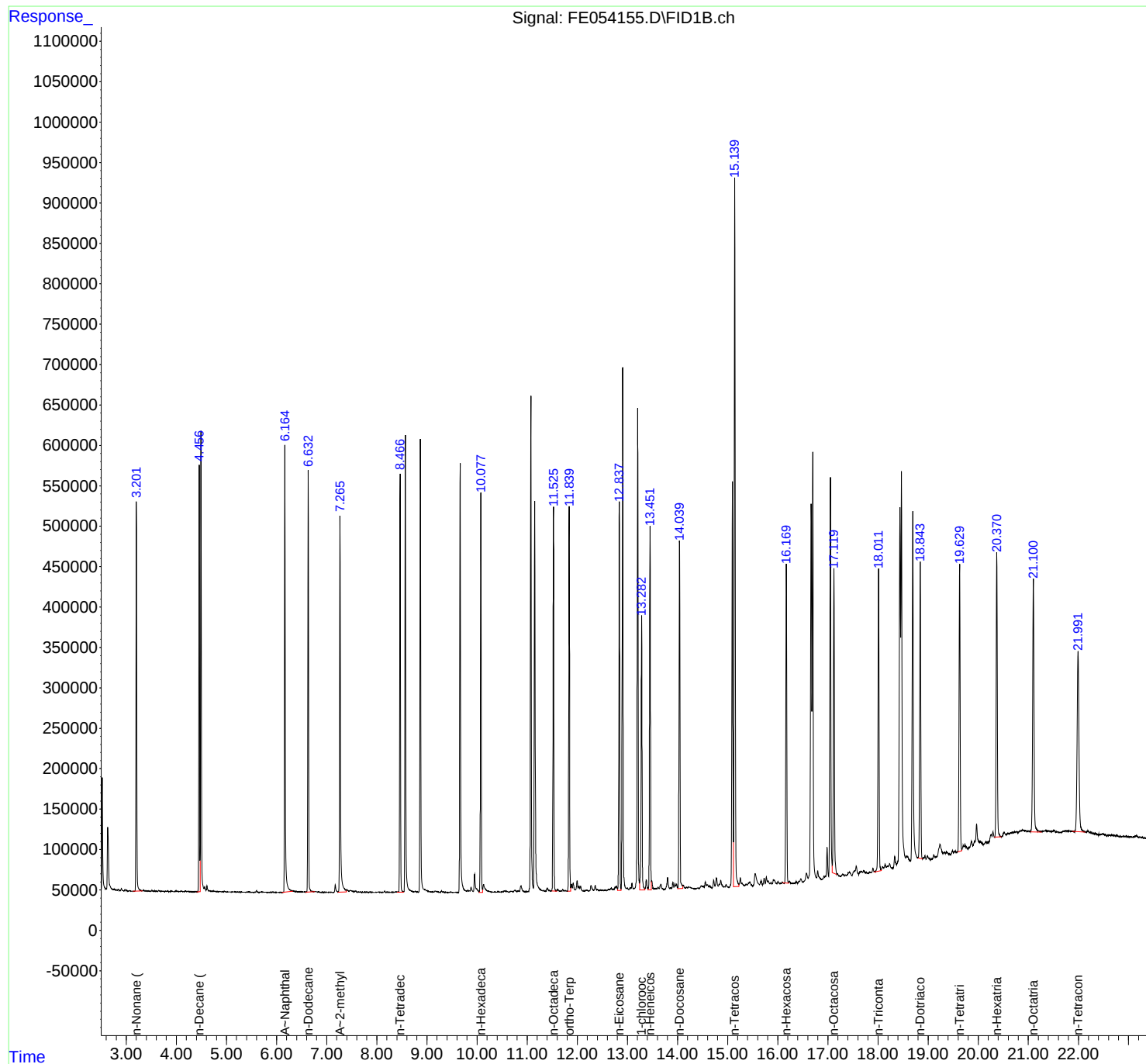
Instrument :
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ClientSampleId :
3MS

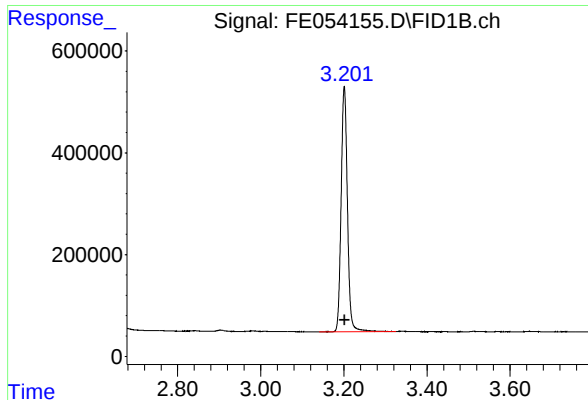
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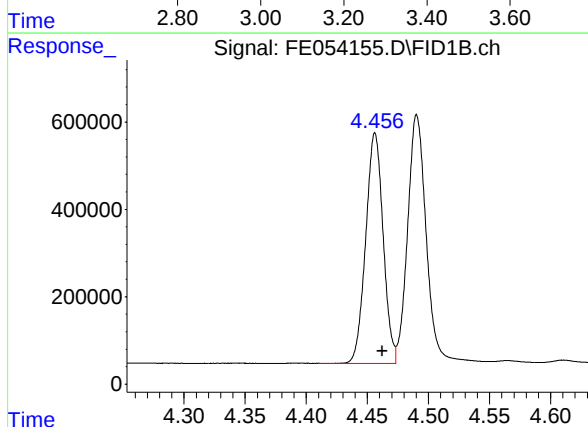
#1 n-Nonane (C9)

R.T.: 3.201 min
Delta R.T.: 0.000 min
Response: 5065042
Conc: 37.48 ug/ml

Instrument :
FID_E
ClientSampleId :
3MS

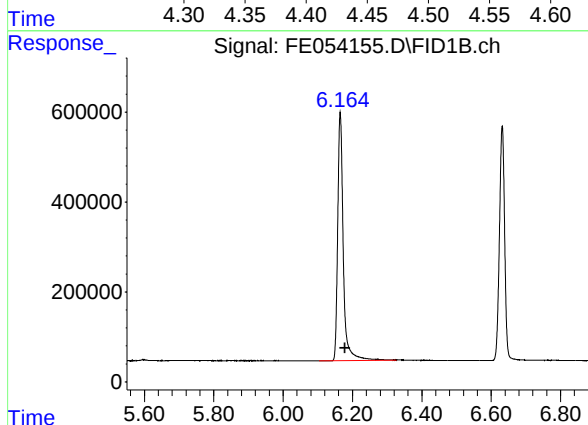
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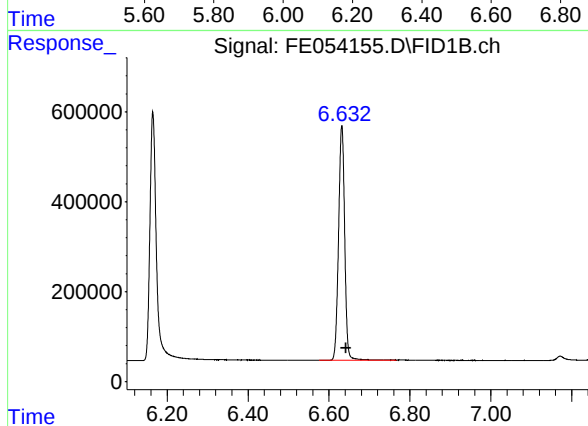
#2 n-Decane (C10)

R.T.: 4.456 min
Delta R.T.: -0.006 min
Response: 5228305
Conc: 38.69 ug/ml



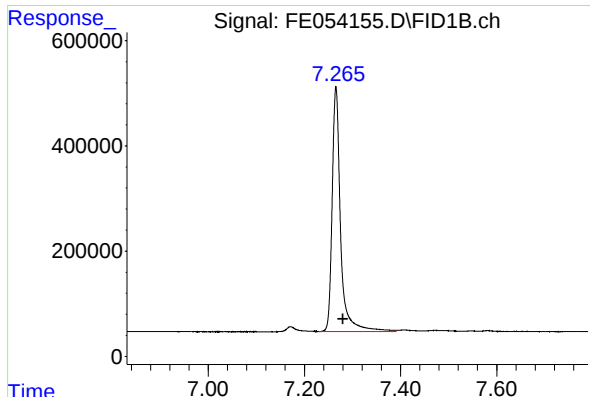
#3 A~Naphthalene (C11.7)

R.T.: 6.165 min
Delta R.T.: -0.013 min
Response: 6148361
Conc: 42.78 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.632 min
Delta R.T.: -0.011 min
Response: 5467838
Conc: 40.09 ug/ml



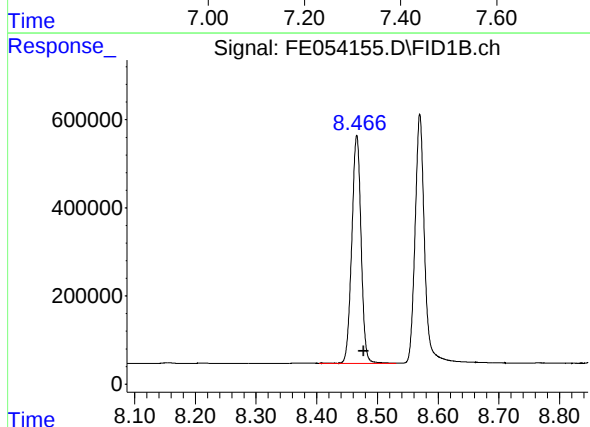
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.266 min
Delta R.T.: -0.015 min
Response: 5672007
Conc: 40.89 ug/ml

Instrument :
FID_E
ClientSampleId :
3MS

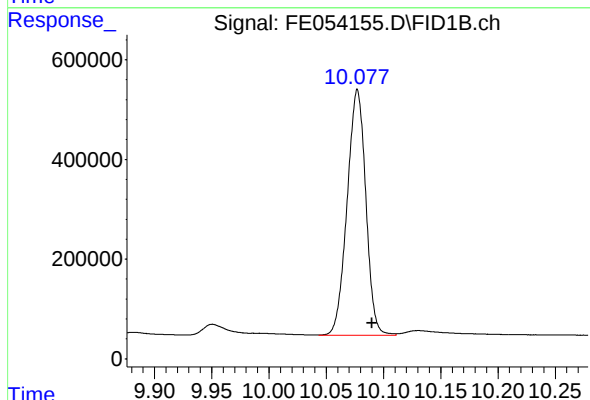
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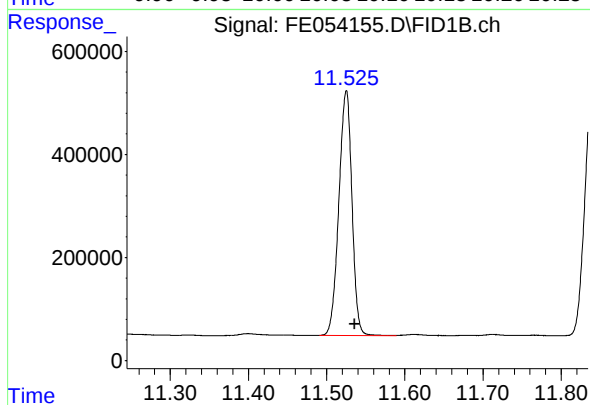
#6 n-Tetradecane (C14)

R.T.: 8.466 min
Delta R.T.: -0.011 min
Response: 5507027
Conc: 40.81 ug/ml



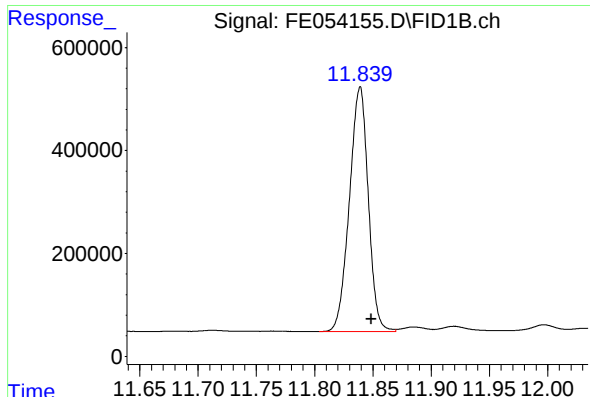
#7 n-Hexadecane (C16)

R.T.: 10.077 min
Delta R.T.: -0.013 min
Response: 5613943
Conc: 41.61 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.525 min
Delta R.T.: -0.011 min
Response: 5523361
Conc: 41.02 ug/ml



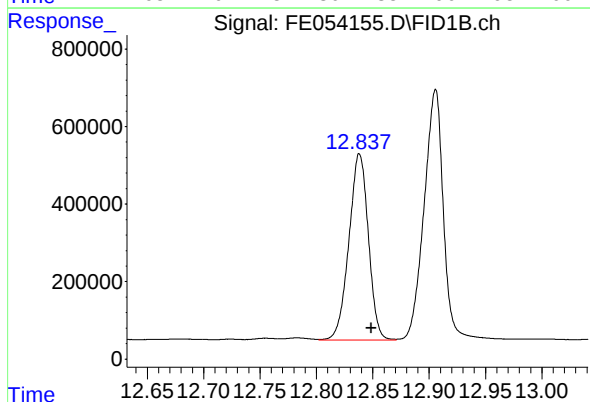
#9 ortho-Terphenyl (SURR)

R.T.: 11.839 min
Delta R.T.: -0.010 min
Response: 5357181
Conc: 32.96 ug/ml

Instrument :
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3MS

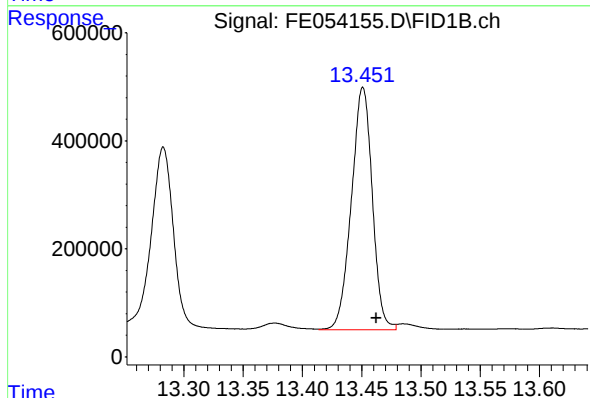
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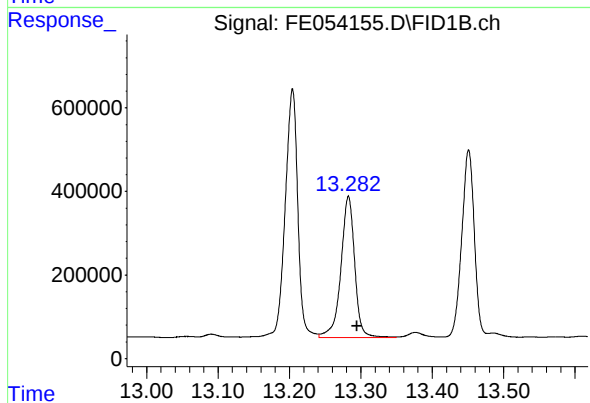
#10 n-Eicosane (C20)

R.T.: 12.838 min
Delta R.T.: -0.010 min
Response: 5762655
Conc: 43.85 ug/ml



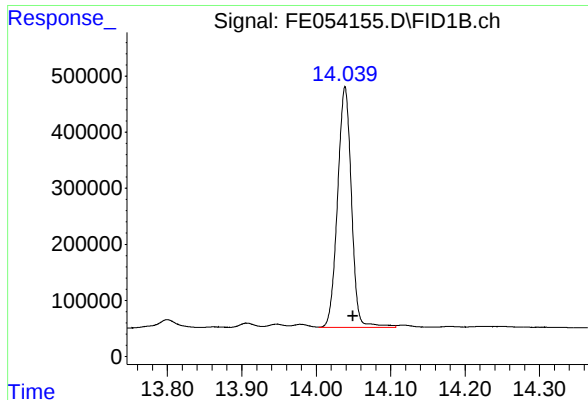
#11 n-Heneicosane (C21)

R.T.: 13.451 min
Delta R.T.: -0.012 min
Response: 5522792
Conc: 42.60 ug/ml m



#12 1-chlorooctadecane (SURR)

R.T.: 13.283 min
Delta R.T.: -0.012 min
Response: 4580758
Conc: 38.64 ug/ml



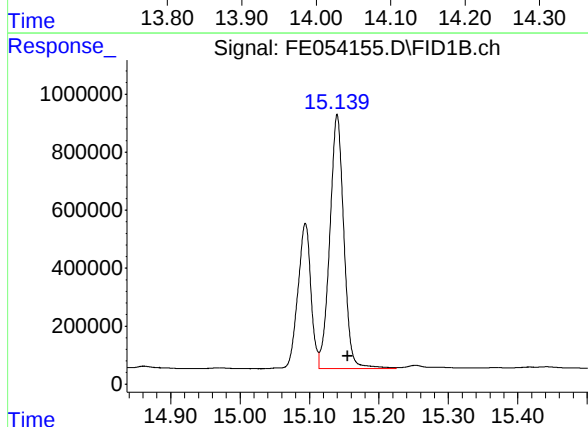
#13 n-Docosane (C22)

R.T.: 14.039 min
Delta R.T.: -0.011 min
Response: 5563436
Conc: 43.61 ug/ml

Instrument :
FID_E
ClientSampleId :
3MS

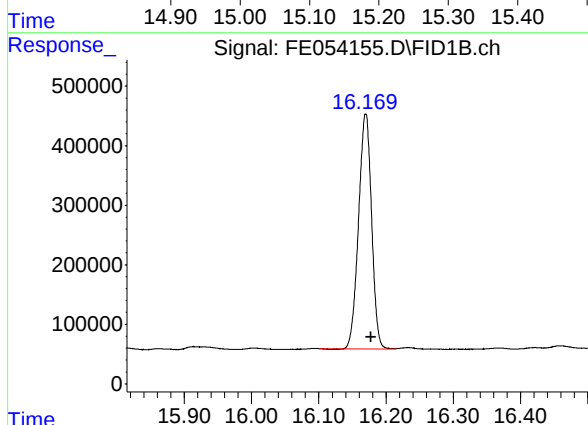
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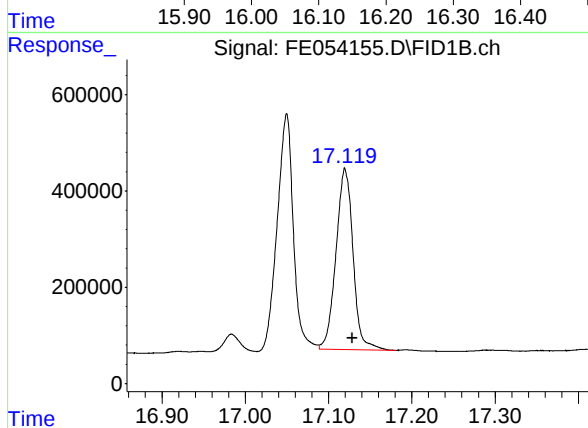
#14 n-Tetracosane (C24)

R.T.: 15.140 min
Delta R.T.: -0.015 min
Response: 12320403
Conc: 98.47 ug/ml



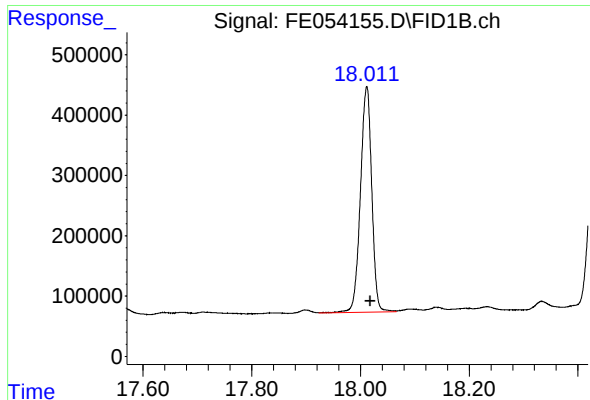
#15 n-Hexacosane (C26)

R.T.: 16.170 min
Delta R.T.: -0.008 min
Response: 5321029
Conc: 43.45 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.120 min
Delta R.T.: -0.009 min
Response: 5358193
Conc: 44.08 ug/ml



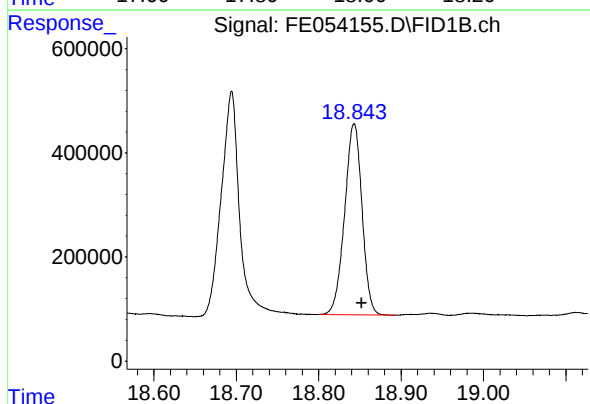
#17 n-Tricontane (C30)

R.T.: 18.011 min
Delta R.T.: -0.007 min
Response: 5419821
Conc: 43.51 ug/ml

Instrument :
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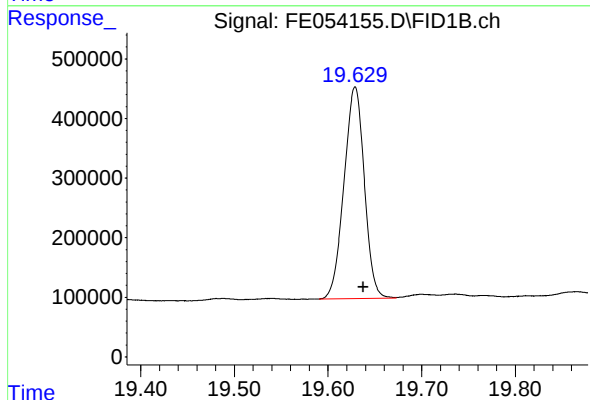
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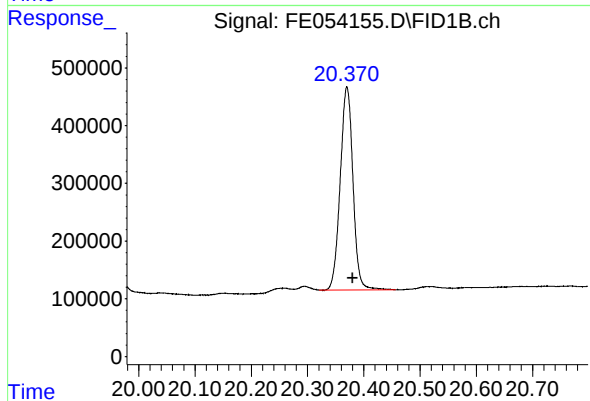
#18 n-Dotriacontane (C32)

R.T.: 18.843 min
Delta R.T.: -0.009 min
Response: 5373041
Conc: 42.97 ug/ml



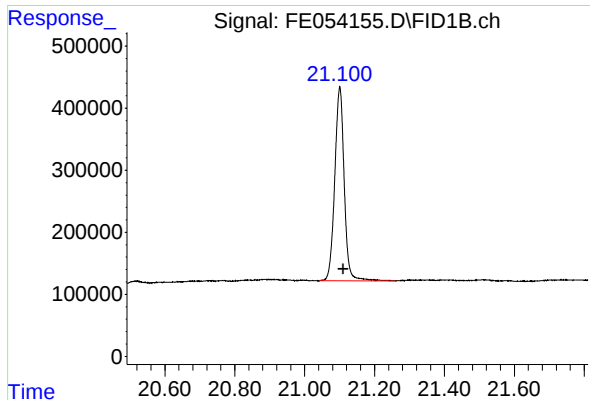
#19 n-Tetratriacontane (C34)

R.T.: 19.629 min
Delta R.T.: -0.009 min
Response: 5359488
Conc: 44.99 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.370 min
Delta R.T.: -0.010 min
Response: 5538261
Conc: 47.83 ug/ml



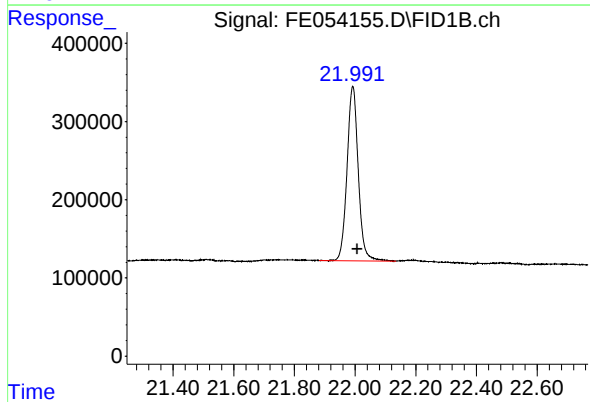
#21 n-Octatriacontane (C38)

R.T.: 21.100 min
Delta R.T.: -0.011 min
Response: 5873041
Conc: 53.97 ug/ml

Instrument :
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#22 n-Tetracontane (C40)

R.T.: 21.992 min
Delta R.T.: -0.014 min
Response: 5711428
Conc: 57.56 ug/ml