

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE060325AL\
 Data File : FE054150.D
 Signal(s) : FID1B.ch
 Acq On : 03 Jun 2025 14:24
 Operator : YP\AJ
 Sample : PB168239BS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

PB168239BS

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 02:51:14 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)	11.840	5862353	36.073 ug/ml
Spiked Amount 50.000		Recovery =	72.15%
12) S 1-chlorooctadecane (S...	13.285	4736352	39.953 ug/ml
Spiked Amount 50.000		Recovery =	79.91%
Target Compounds			
1) T n-Nonane (C9)	3.202	4723150	34.947 ug/ml
2) T n-Decane (C10)	4.457	4910014	36.335 ug/ml
3) T A~Naphthalene (C11.7)	6.165	5799757	40.356 ug/ml
4) T n-Dodecane (C12)	6.632	5151493	37.766 ug/ml
5) T A~2-methylnaphthalene...	7.266	5172988	37.294 ug/ml
6) T n-Tetradecane (C14)	8.466	5143332	38.113 ug/ml
7) T n-Hexadecane (C16)	10.078	5142003	38.107 ug/ml
8) T n-Octadecane (C18)	11.526	5042500	37.446 ug/ml
10) T n-Eicosane (C20)	12.839	5129908	39.032 ug/ml
11) T n-Heneicosane (C21)	13.452	4904873	37.833 ug/ml
13) T n-Docosane (C22)	14.039	4832245	37.877 ug/ml
14) T n-Tetracosane (C24)	15.140	10410594	83.207 ug/ml
15) T n-Hexacosane (C26)	16.169	4746505	38.762 ug/ml
16) T n-Octacosane (C28)	17.120	4991531	41.061 ug/ml
17) T n-Tricontane (C30)	18.011	4765569	38.258 ug/ml
18) T n-Dotriacontane (C32)	18.842	4847223	38.761 ug/ml
19) T n-Tetratriacontane (C34)	19.629	4797945	40.278 ug/ml
20) T n-Hexatriacontane (C36)	20.370	4762152	41.128 ug/ml
21) T n-Octatriacontane (C38)	21.100	4877867	44.823 ug/ml
22) T n-Tetracontane (C40)	21.994	4914105	49.522 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 7 Sample Multiplier: 1

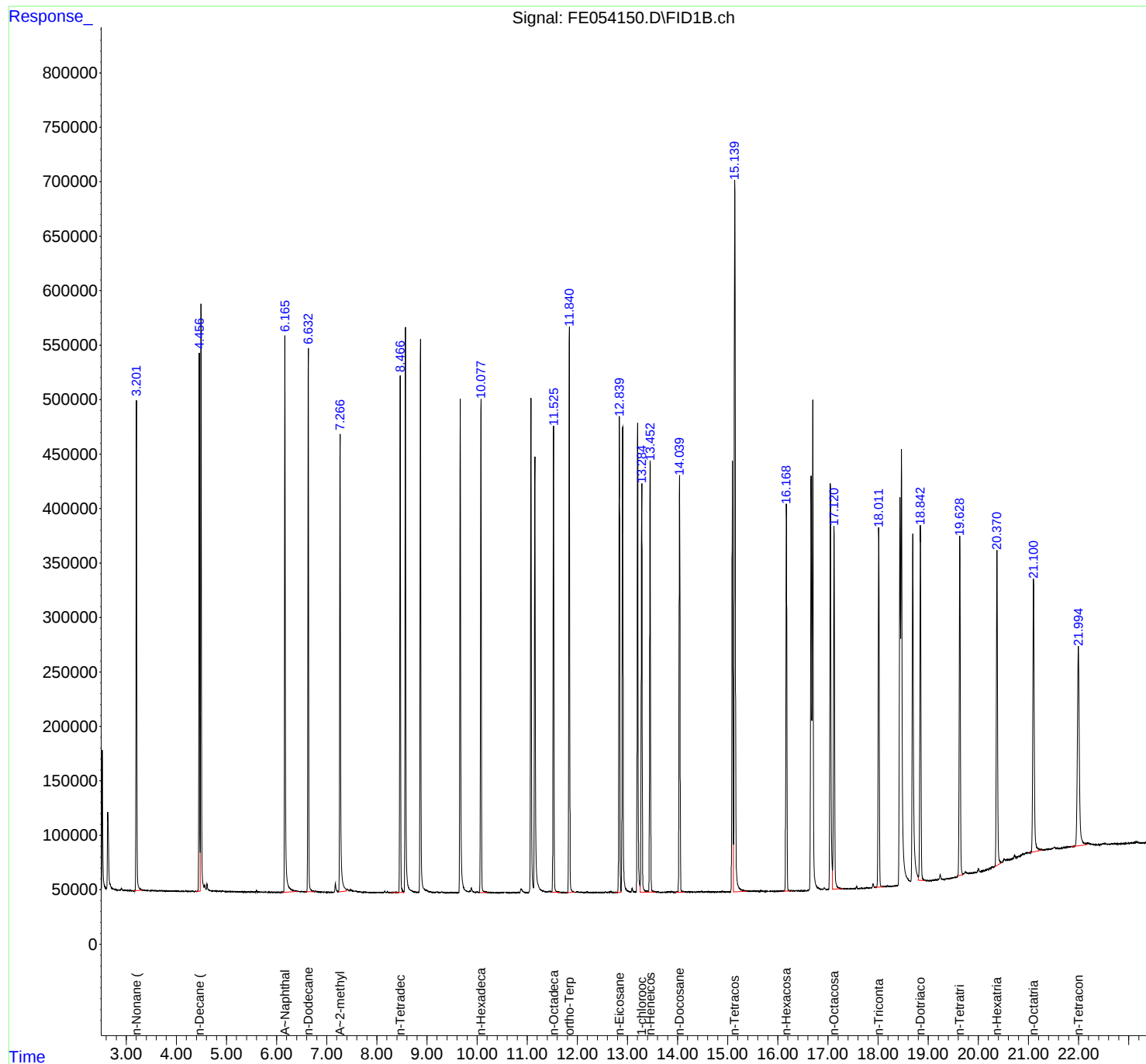
Instrument :
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ClientSampleId :
PB168239BS

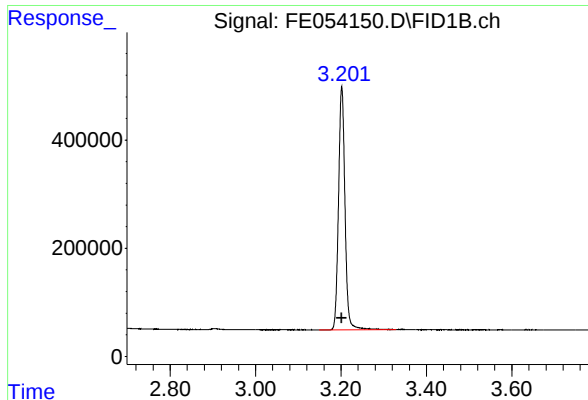
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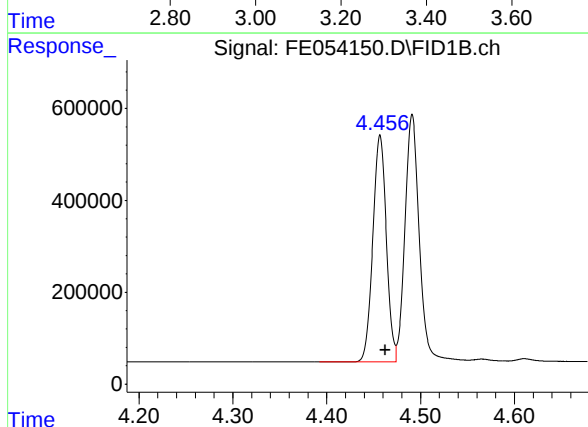
#1 n-Nonane (C9)

R.T.: 3.202 min
Delta R.T.: 0.000 min
Response: 4723150
Conc: 34.95 ug/ml

Instrument :
FID_E
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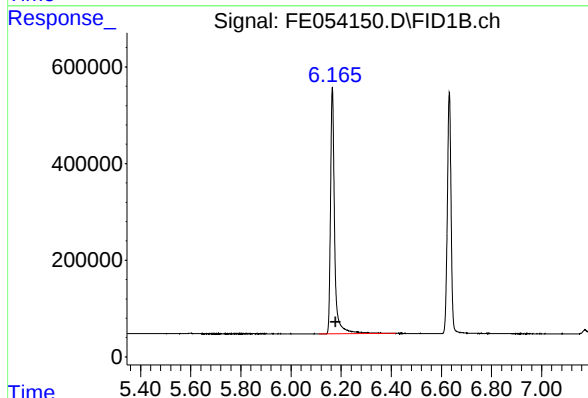
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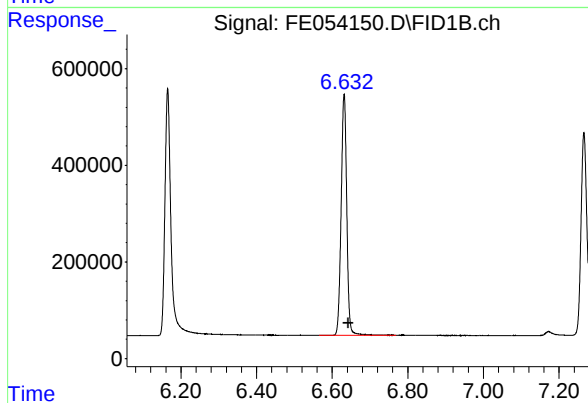
#2 n-Decane (C10)

R.T.: 4.457 min
Delta R.T.: -0.006 min
Response: 4910014
Conc: 36.34 ug/ml



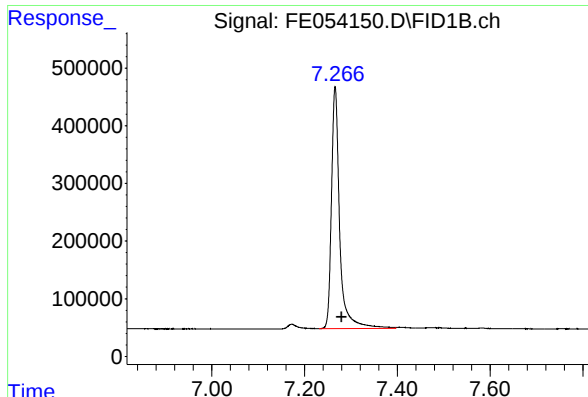
#3 A~Naphthalene (C11.7)

R.T.: 6.165 min
Delta R.T.: -0.013 min
Response: 5799757
Conc: 40.36 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.632 min
Delta R.T.: -0.011 min
Response: 5151493
Conc: 37.77 ug/ml



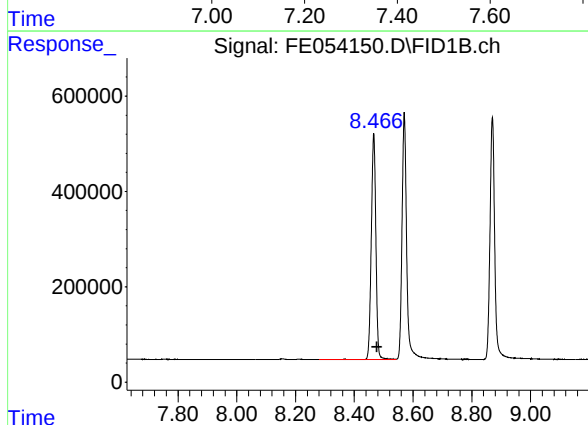
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.266 min
Delta R.T.: -0.014 min
Response: 5172988
Conc: 37.29 ug/ml

Instrument :
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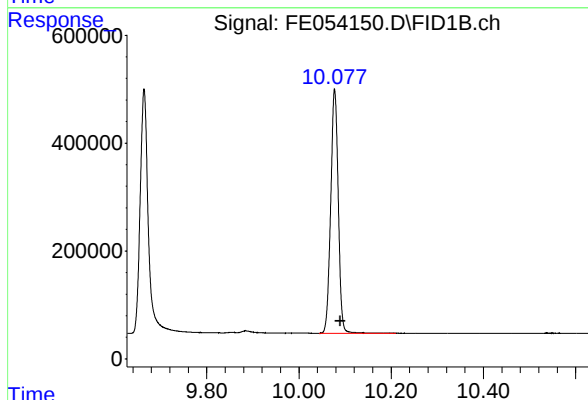
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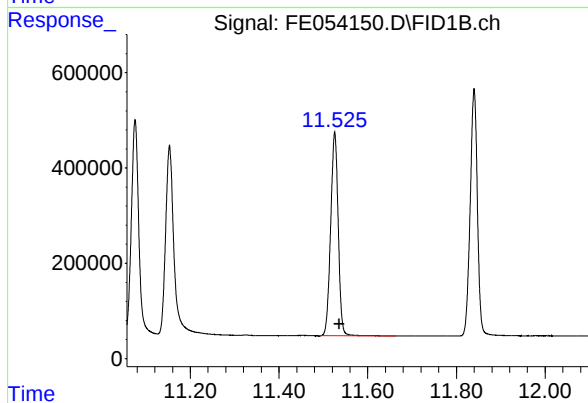
#6 n-Tetradecane (C14)

R.T.: 8.466 min
Delta R.T.: -0.011 min
Response: 5143332
Conc: 38.11 ug/ml



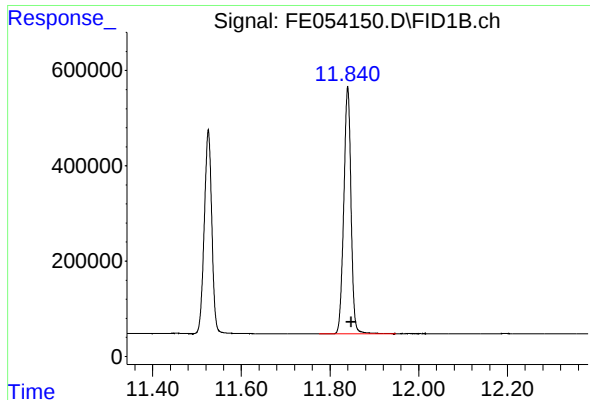
#7 n-Hexadecane (C16)

R.T.: 10.078 min
Delta R.T.: -0.012 min
Response: 5142003
Conc: 38.11 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.526 min
Delta R.T.: -0.010 min
Response: 5042500
Conc: 37.45 ug/ml



#9 ortho-Terphenyl (SURR)

R.T.: 11.840 min
Delta R.T.: -0.009 min
Response: 5862353
Conc: 36.07 ug/ml

Instrument :

FID_E

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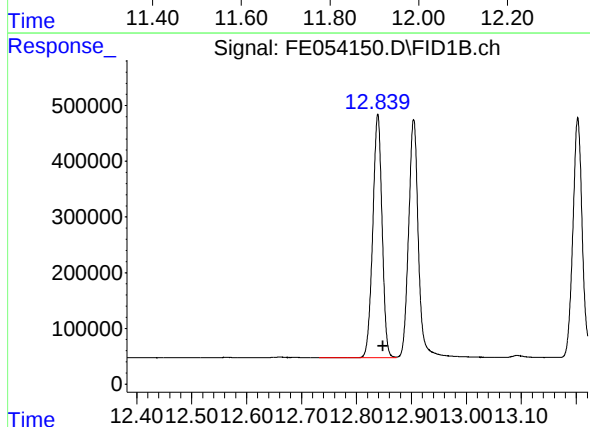
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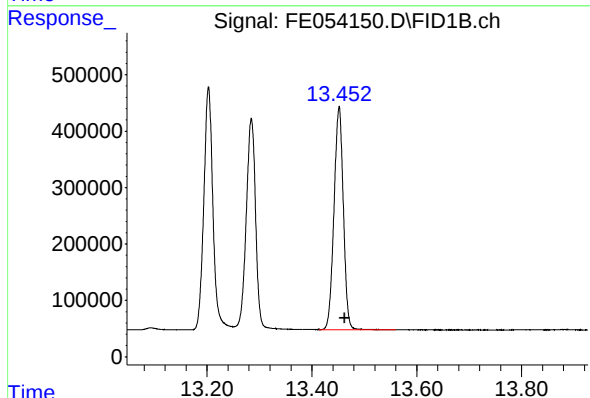
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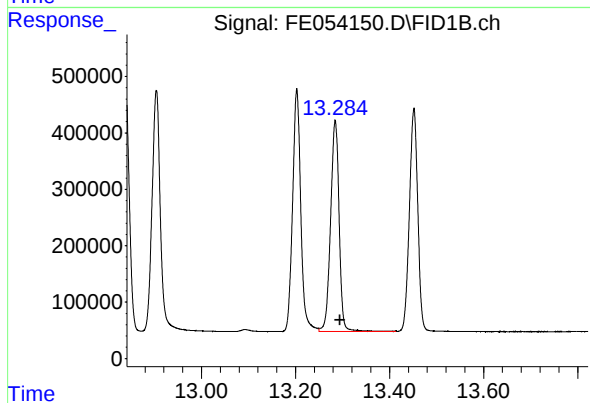
#10 n-Eicosane (C20)

R.T.: 12.839 min
Delta R.T.: -0.010 min
Response: 5129908
Conc: 39.03 ug/ml



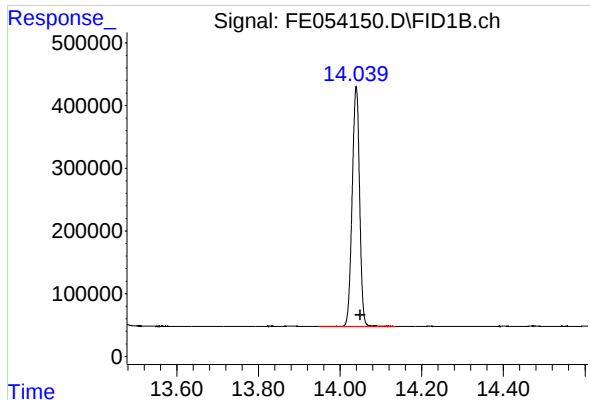
#11 n-Heneicosane (C21)

R.T.: 13.452 min
Delta R.T.: -0.011 min
Response: 4904873
Conc: 37.83 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.285 min
Delta R.T.: -0.010 min
Response: 4736352
Conc: 39.95 ug/ml



#13 n-Docosane (C22)

R.T.: 14.039 min
Delta R.T.: -0.010 min
Response: 4832245
Conc: 37.88 ug/ml

Instrument :

FID_E

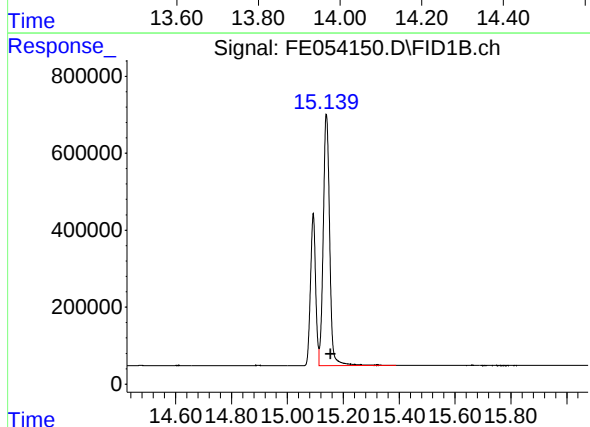
ClientSampleId :

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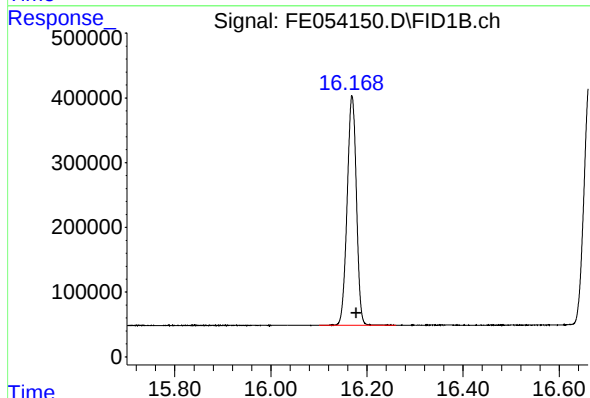
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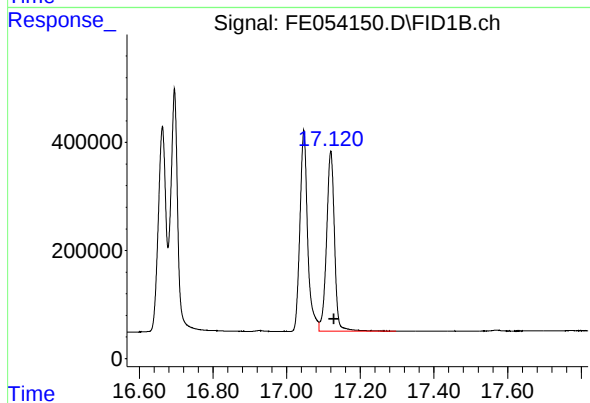
#14 n-Tetracosane (C24)

R.T.: 15.140 min
Delta R.T.: -0.015 min
Response: 10410594
Conc: 83.21 ug/ml



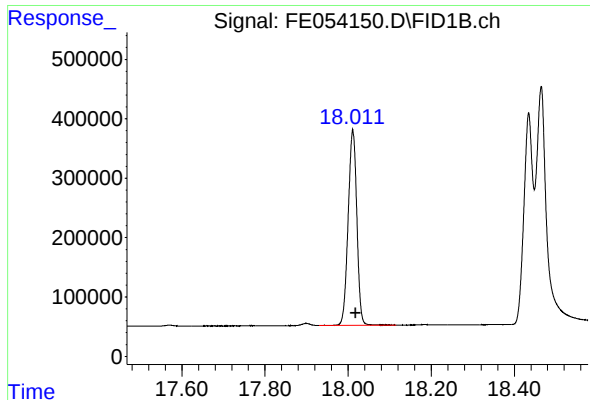
#15 n-Hexacosane (C26)

R.T.: 16.169 min
Delta R.T.: -0.009 min
Response: 4746505
Conc: 38.76 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.120 min
Delta R.T.: -0.009 min
Response: 4991531
Conc: 41.06 ug/ml



#17 n-Tricontane (C30)

R.T.: 18.011 min
Delta R.T.: -0.007 min
Response: 4765569
Conc: 38.26 ug/ml

Instrument :

FID_E

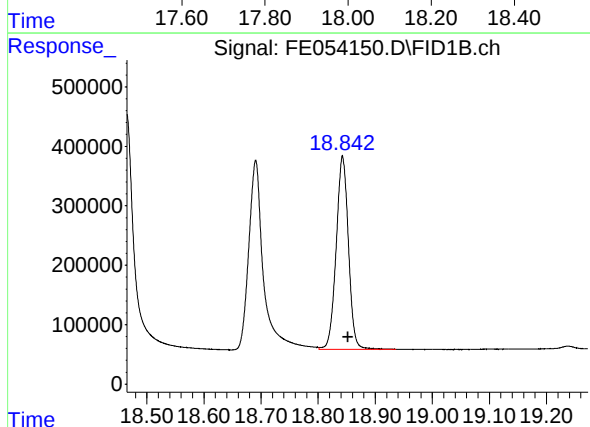
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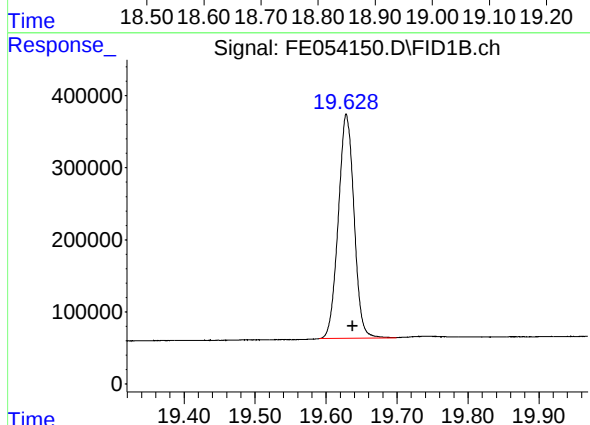
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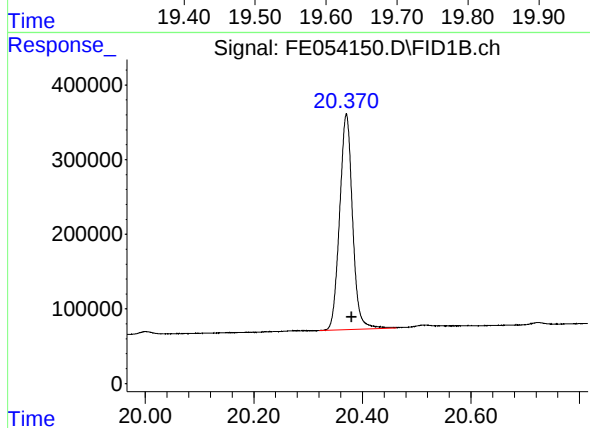
#18 n-Dotriacontane (C32)

R.T.: 18.842 min
Delta R.T.: -0.010 min
Response: 4847223
Conc: 38.76 ug/ml m



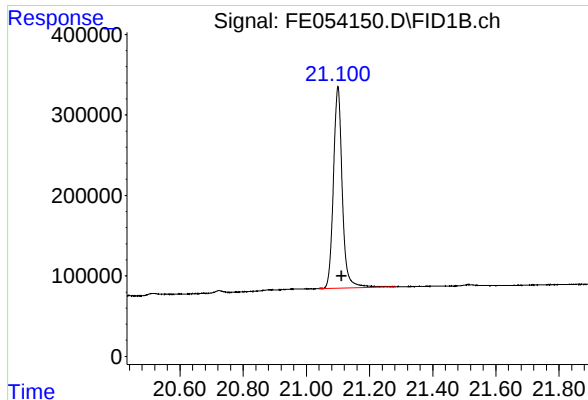
#19 n-Tetratriacontane (C34)

R.T.: 19.629 min
Delta R.T.: -0.009 min
Response: 4797945
Conc: 40.28 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.370 min
Delta R.T.: -0.010 min
Response: 4762152
Conc: 41.13 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.100 min
Delta R.T.: -0.011 min
Response: 4877867
Conc: 44.82 ug/ml

Instrument :

FID_E

ClientSampleId :

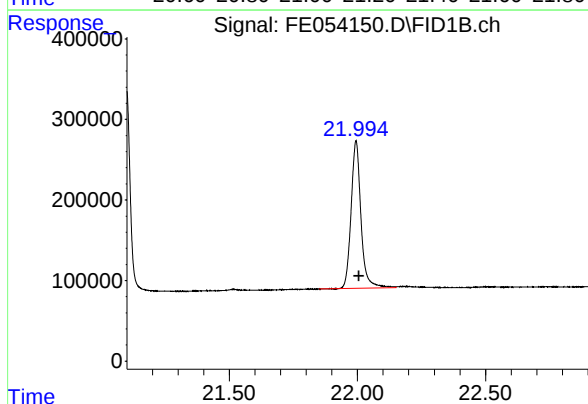
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#22 n-Tetracontane (C40)

R.T.: 21.994 min
Delta R.T.: -0.012 min
Response: 4914105
Conc: 49.52 ug/ml