

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE052325AL\
 Data File : FE054000.D
 Signal(s) : FID1B.ch
 Acq On : 23 May 2025 15:19
 Operator : YP\AJ
 Sample : PB168138BSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

PB168138BSD

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 05/27/2025

Supervised By :mohammad ahmed 05/29/2025

Integration File: autoint1.e

Quant Time: May 23 22:58:26 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)	11.843	6317583	38.875 ug/ml
Spiked Amount 50.000		Recovery =	77.75%
12) S 1-chlorooctadecane (S...	13.288	5130807	43.280 ug/ml
Spiked Amount 50.000		Recovery =	86.56%
Target Compounds			
1) T n-Nonane (C9)	3.200	4857087	35.938 ug/ml
2) T n-Decane (C10)	4.458	5041361	37.307 ug/mlm
3) T A~Naphthalene (C11.7)	6.167	5874986	40.879 ug/ml
4) T n-Dodecane (C12)	6.636	5212891	38.216 ug/ml
5) T A~2-methylnaphthalene...	7.269	5364782	38.677 ug/ml
6) T n-Tetradecane (C14)	8.471	5236763	38.806 ug/ml
7) T n-Hexadecane (C16)	10.082	5297236	39.258 ug/ml
8) T n-Octadecane (C18)	11.530	5122336	38.039 ug/ml
10) T n-Eicosane (C20)	12.843	5347762	40.689 ug/ml
11) T n-Heneicosane (C21)	13.456	5140511	39.651 ug/ml
13) T n-Docosane (C22)	14.043	5051384	39.595 ug/ml
14) T n-Tetracosane (C24)	15.140	10571572	84.494 ug/mlm
15) T n-Hexacosane (C26)	16.173	4868125	39.756 ug/ml
16) T n-Octacosane (C28)	17.124	4946229	40.688 ug/mlm
17) T n-Tricontane (C30)	18.014	4783472	38.402 ug/ml
18) T n-Dotriacontane (C32)	18.846	4649395	37.179 ug/ml
19) T n-Tetratriacontane (C34)	19.631	4734021	39.741 ug/ml
20) T n-Hexatriacontane (C36)	20.373	4873152	42.087 ug/ml
21) T n-Octatriacontane (C38)	21.103	5028826	46.210 ug/ml
22) T n-Tetracontane (C40)	21.998	5007621	50.464 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE052325AL\
Data File : FE054000.D
Signal(s) : FID1B.ch
Acq On : 23 May 2025 15:19
Operator : YP\AJ
Sample : PB168138BSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

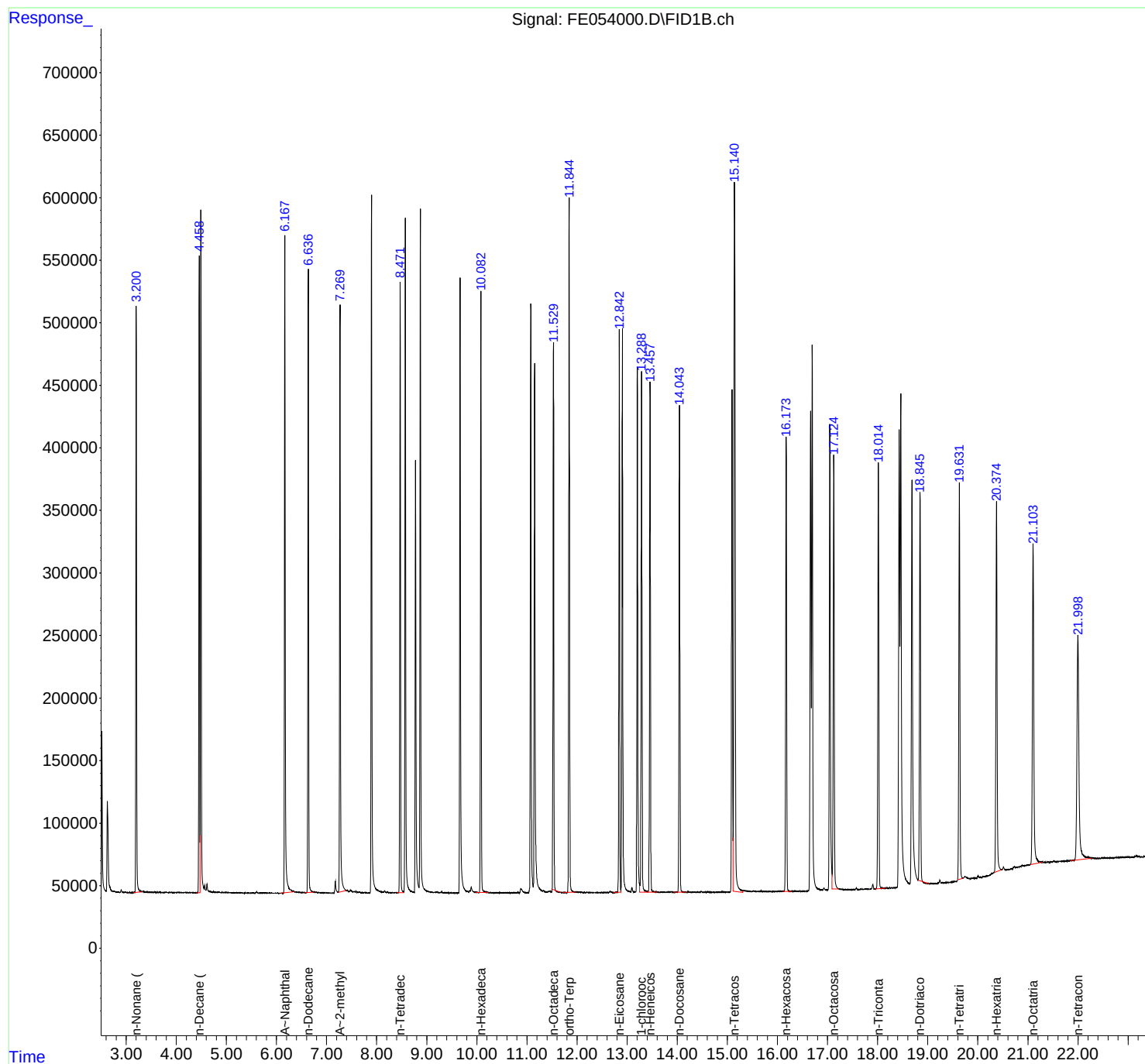
Instrument :
FID_E
ClientSampleId :
PB168138BSD

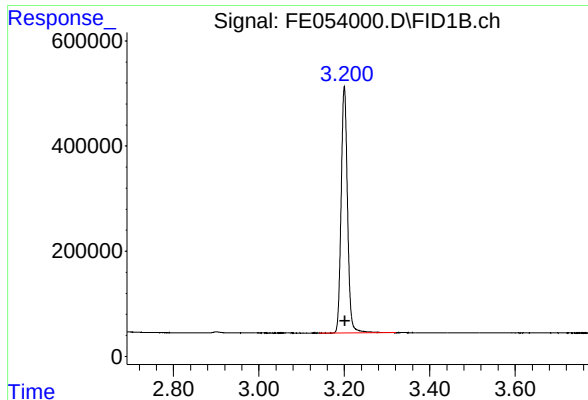
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/29/2025

Integration File: autoint1.e
Quant Time: May 23 22:58:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051425.
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





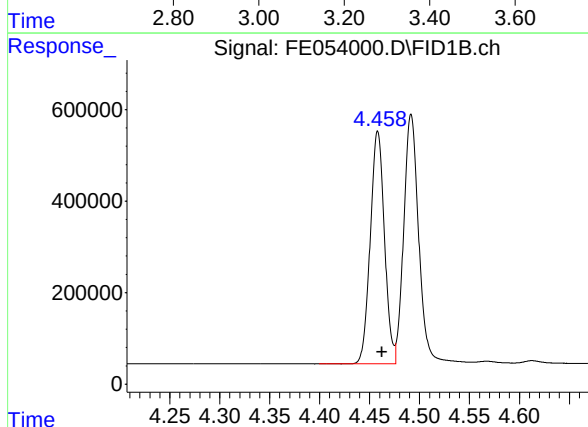
#1 n-Nonane (C9)

R.T.: 3.200 min
Delta R.T.: -0.002 min
Response: 4857087
Conc: 35.94 ug/ml

Instrument :
FID_E
ClientSampleId :
PB168138BSD

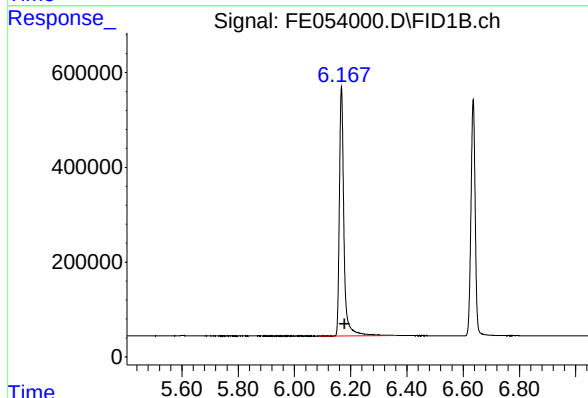
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/29/2025



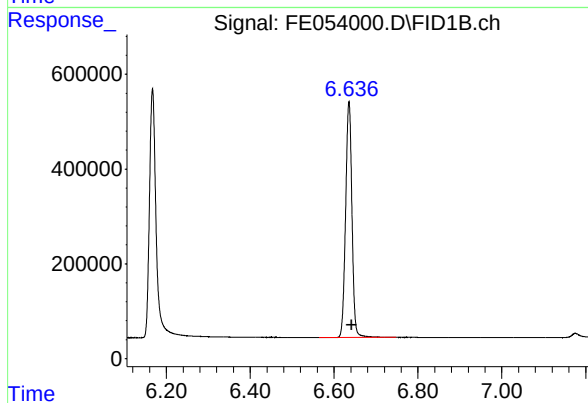
#2 n-Decane (C10)

R.T.: 4.458 min
Delta R.T.: -0.005 min
Response: 5041361
Conc: 37.31 ug/ml



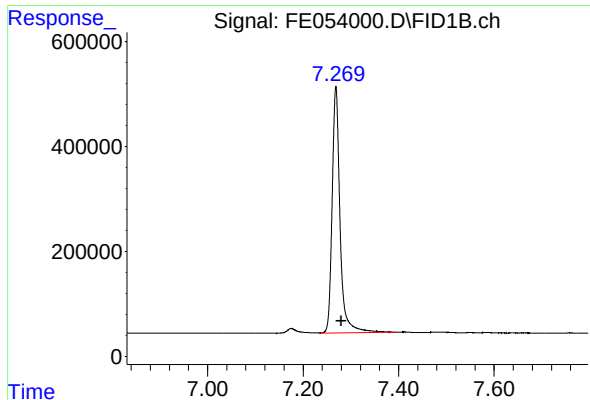
#3 A~Naphthalene (C11.7)

R.T.: 6.167 min
Delta R.T.: -0.011 min
Response: 5874986
Conc: 40.88 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.636 min
Delta R.T.: -0.007 min
Response: 5212891
Conc: 38.22 ug/ml



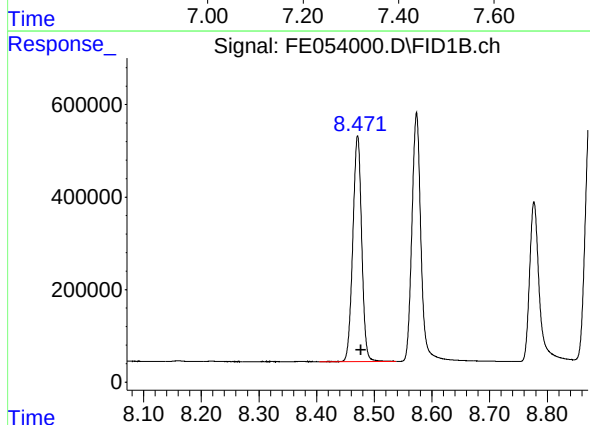
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.269 min
Delta R.T.: -0.012 min
Response: 5364782
Conc: 38.68 ug/ml

Instrument :
FID_E
ClientSampleId :
PB168138BSD

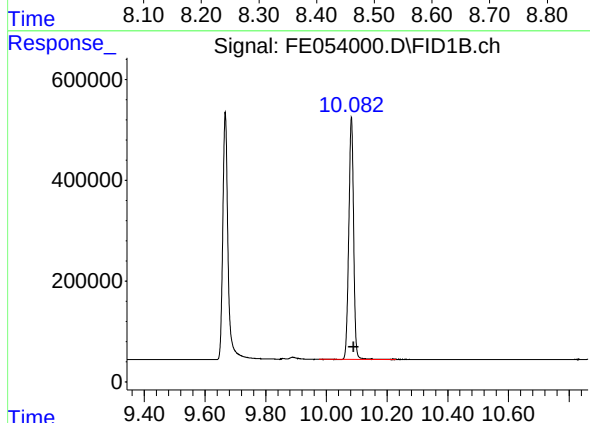
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/29/2025



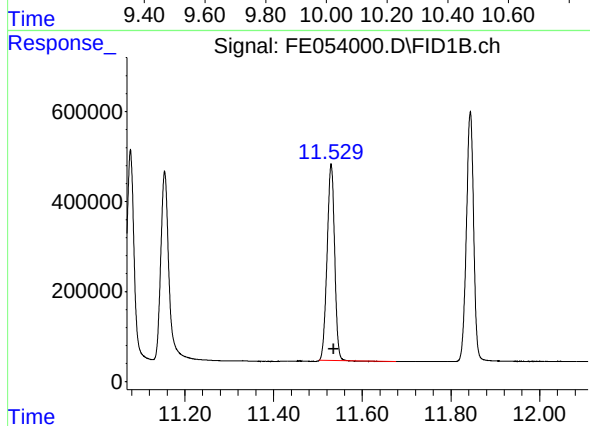
#6 n-Tetradecane (C14)

R.T.: 8.471 min
Delta R.T.: -0.006 min
Response: 5236763
Conc: 38.81 ug/ml



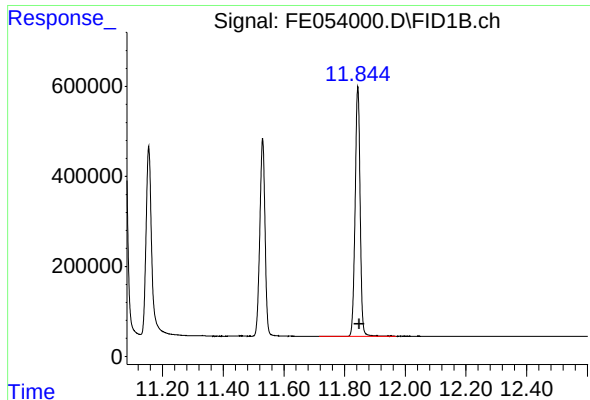
#7 n-Hexadecane (C16)

R.T.: 10.082 min
Delta R.T.: -0.008 min
Response: 5297236
Conc: 39.26 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.530 min
Delta R.T.: -0.006 min
Response: 5122336
Conc: 38.04 ug/ml



#9 ortho-Terphenyl (SURR)

R.T.: 11.843 min
Delta R.T.: -0.005 min
Response: 6317583
Conc: 38.87 ug/ml

Instrument :

FID_E

ClientSampleId :

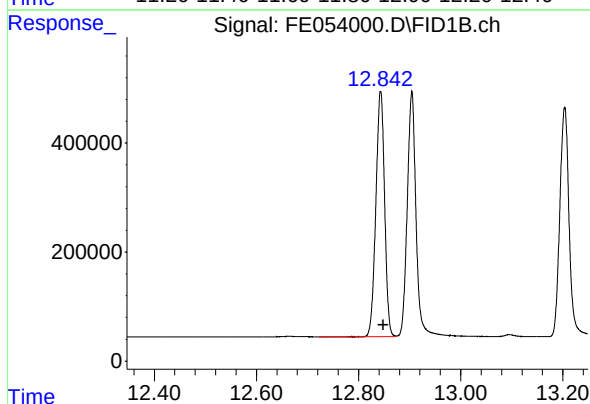
PB168138BSD

Manual Integrations

APPROVED

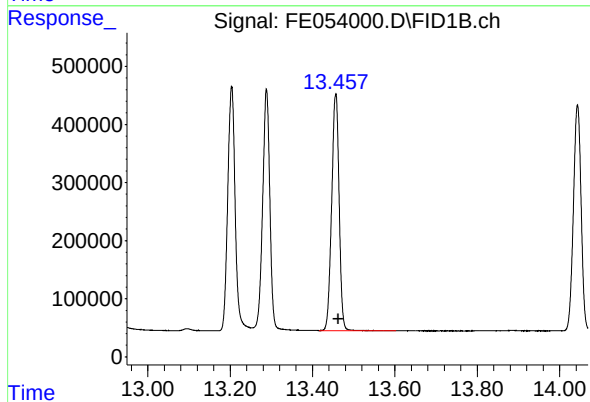
Reviewed By :Yogesh Patel 05/27/2025

Supervised By :mohammad ahmed 05/29/2025



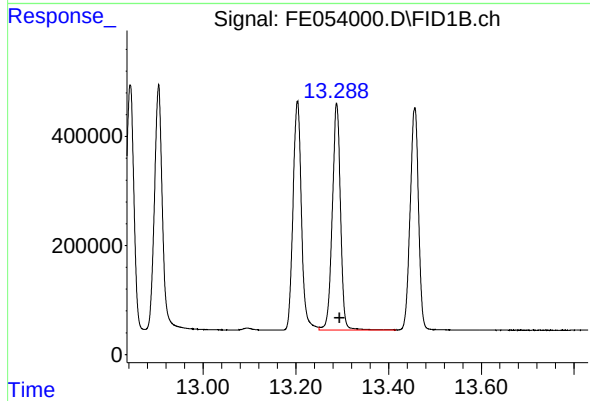
#10 n-Eicosane (C20)

R.T.: 12.843 min
Delta R.T.: -0.006 min
Response: 5347762
Conc: 40.69 ug/ml



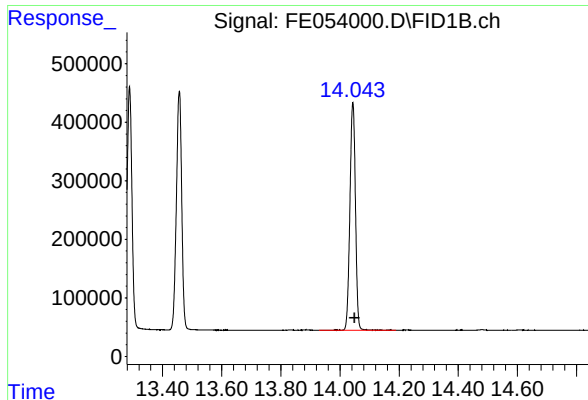
#11 n-Heneicosane (C21)

R.T.: 13.456 min
Delta R.T.: -0.006 min
Response: 5140511
Conc: 39.65 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.288 min
Delta R.T.: -0.006 min
Response: 5130807
Conc: 43.28 ug/ml



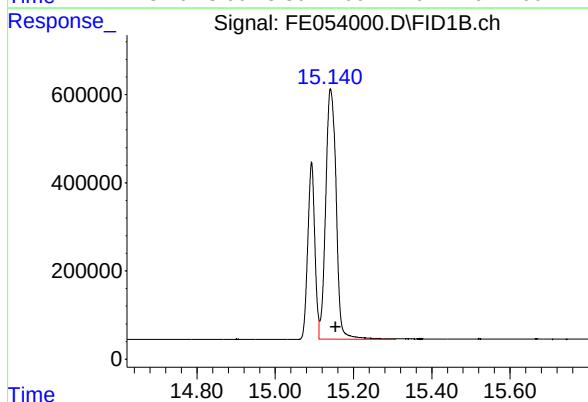
#13 n-Docosane (C22)

R.T.: 14.043 min
Delta R.T.: -0.006 min
Response: 5051384
Conc: 39.60 ug/ml

Instrument :
FID_E
ClientSampleId :
PB168138BSD

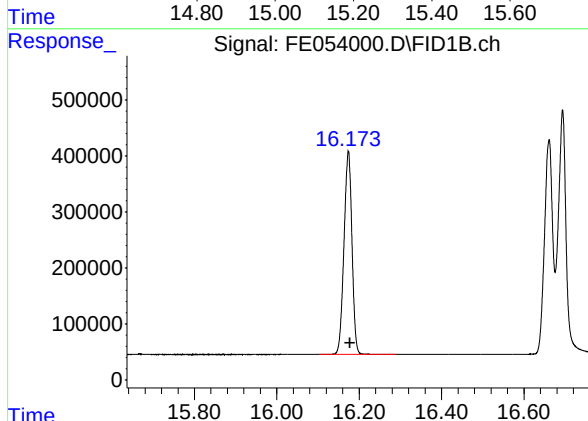
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/29/2025



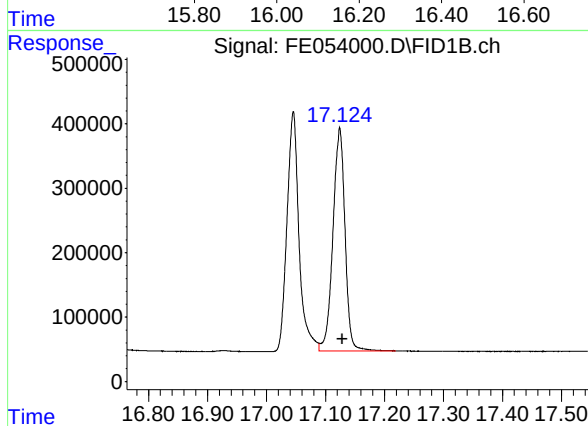
#14 n-Tetracosane (C24)

R.T.: 15.140 min
Delta R.T.: -0.015 min
Response: 10571572
Conc: 84.49 ug/ml m



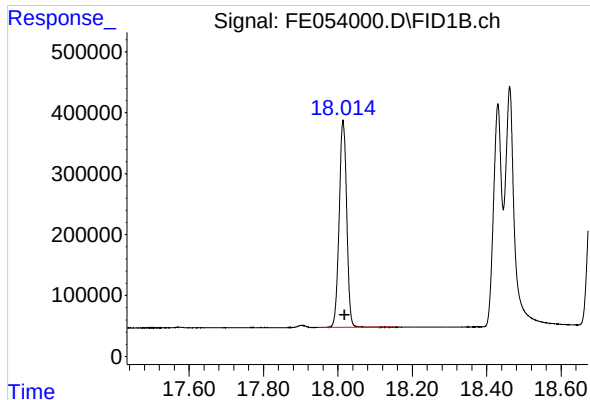
#15 n-Hexacosane (C26)

R.T.: 16.173 min
Delta R.T.: -0.004 min
Response: 4868125
Conc: 39.76 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.124 min
Delta R.T.: -0.005 min
Response: 4946229
Conc: 40.69 ug/ml m



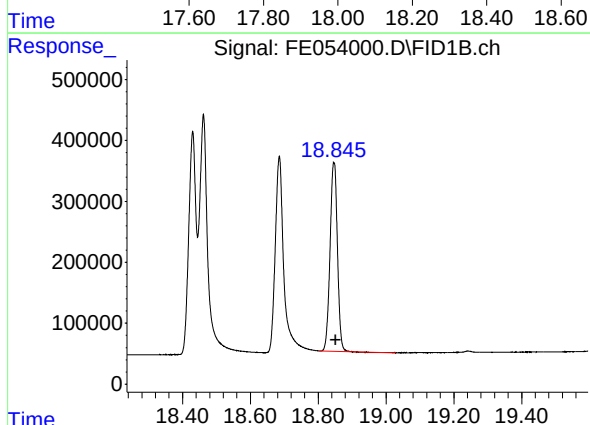
#17 n-Tricontane (C30)

R.T.: 18.014 min
Delta R.T.: -0.004 min
Response: 4783472
Conc: 38.40 ug/ml

Instrument :
FID_E
ClientSampleId :
PB168138BSD

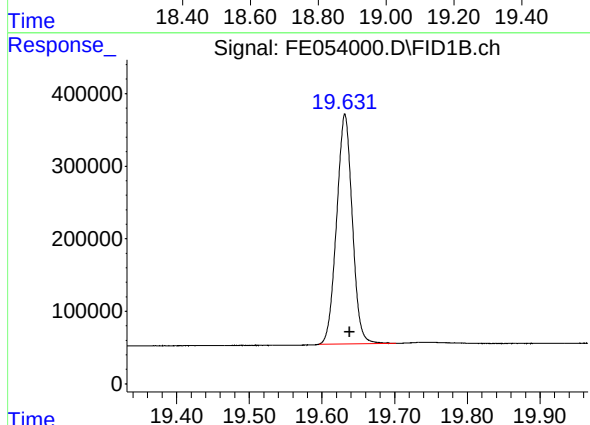
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/29/2025



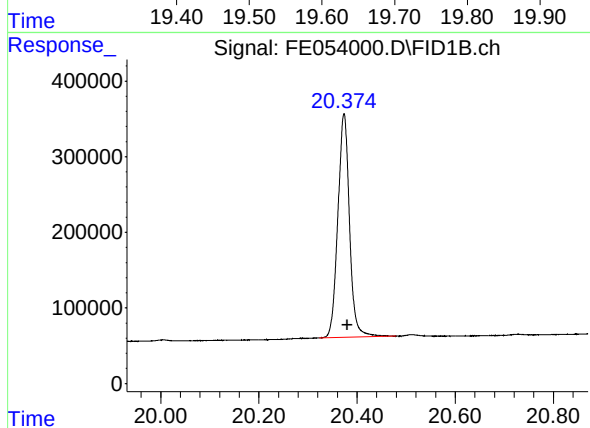
#18 n-Dotriacontane (C32)

R.T.: 18.846 min
Delta R.T.: -0.006 min
Response: 4649395
Conc: 37.18 ug/ml



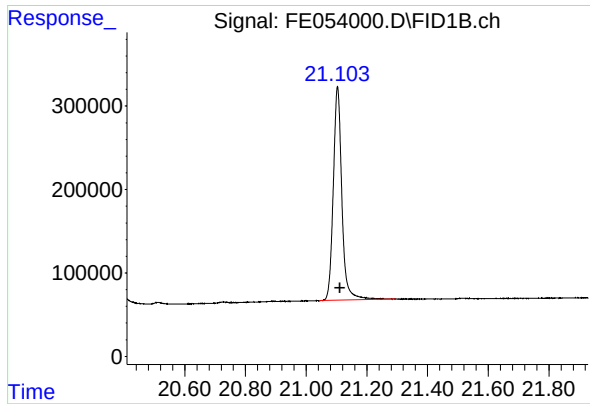
#19 n-Tetratriacontane (C34)

R.T.: 19.631 min
Delta R.T.: -0.006 min
Response: 4734021
Conc: 39.74 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.373 min
Delta R.T.: -0.007 min
Response: 4873152
Conc: 42.09 ug/ml



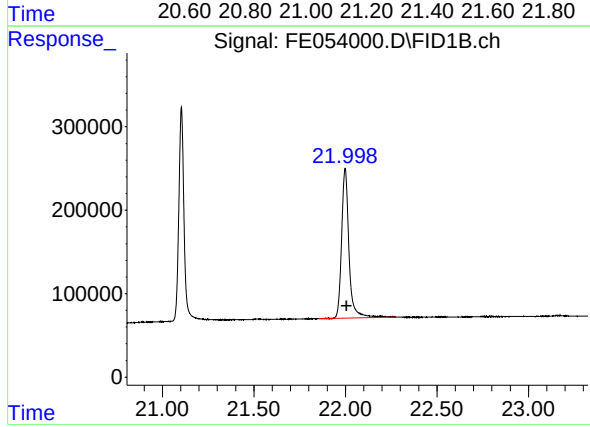
#21 n-Octatriacontane (C38)

R.T.: 21.103 min
Delta R.T.: -0.008 min
Response: 5028826
Conc: 46.21 ug/ml

Instrument :
FID_E
ClientSampleId :
PB168138BSD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/29/2025



#22 n-Tetracontane (C40)

R.T.: 21.998 min
Delta R.T.: -0.009 min
Response: 5007621
Conc: 50.46 ug/ml