

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091124AL\
 Data File : FE049996.D
 Signal(s) : FID1B.ch
 Acq On : 10 Sep 2024 11:07
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/11/2024
 Supervised By :Ankita Jodhani 09/11/2024

Integration File: autoint1.e
 Quant Time: Sep 10 11:47:06 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 09 17:11:47 2024
 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)	11.874	2442188	16.415 ug/mlm
Spiked Amount 50.000		Recovery =	32.83%
12) S 1-chlorooctadecane (S...	13.309	1857717	16.538 ug/ml
Spiked Amount 50.000		Recovery =	33.08%
Target Compounds			
1) T n-Nonane (C9)	3.264	2119518	15.637 ug/ml
2) T n-Decane (C10)	4.515	2246296	16.276 ug/ml
3) T A~Naphthalene (C11.7)	6.223	2299389	16.428 ug/ml
4) T n-Dodecane (C12)	6.681	2299808	16.631 ug/ml
5) T A~2-methylnaphthalene...	7.319	2187229	16.641 ug/ml
6) T n-Tetradecane (C14)	8.509	2276098	16.715 ug/ml
7) T n-Hexadecane (C16)	10.114	2350342	16.921 ug/ml
8) T n-Octadecane (C18)	11.557	2399048	17.124 ug/ml
10) T n-Eicosane (C20)	12.864	2301202	17.155 ug/ml
11) T n-Heneicosane (C21)	13.475	2252927	17.146 ug/ml
13) T n-Docosane (C22)	14.060	2253057	17.302 ug/mlm
14) T n-Tetracosane (C24)	15.162	2331856	17.856 ug/ml
15) T n-Hexacosane (C26)	16.181	2322161	18.150 ug/ml
16) T n-Octacosane (C28)	17.131	2468677	19.165 ug/ml
17) T n-Tricontane (C30)	18.016	2767670	20.697 ug/ml
18) T n-Dotriacontane (C32)	18.848	2909275	21.832 ug/ml
19) T n-Tetratriacontane (C34)	19.631	2832390	22.923 ug/ml
20) T n-Hexatriacontane (C36)	20.369	2594224	23.382 ug/mlm
21) T n-Octatriacontane (C38)	21.096	2498642	22.657 ug/ml
22) T n-Tetracontane (C40)	21.988	2338526	21.491 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091124AL\
Data File : FE049996.D
Signal(s) : FID1B.ch
Acq On : 10 Sep 2024 11:07
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

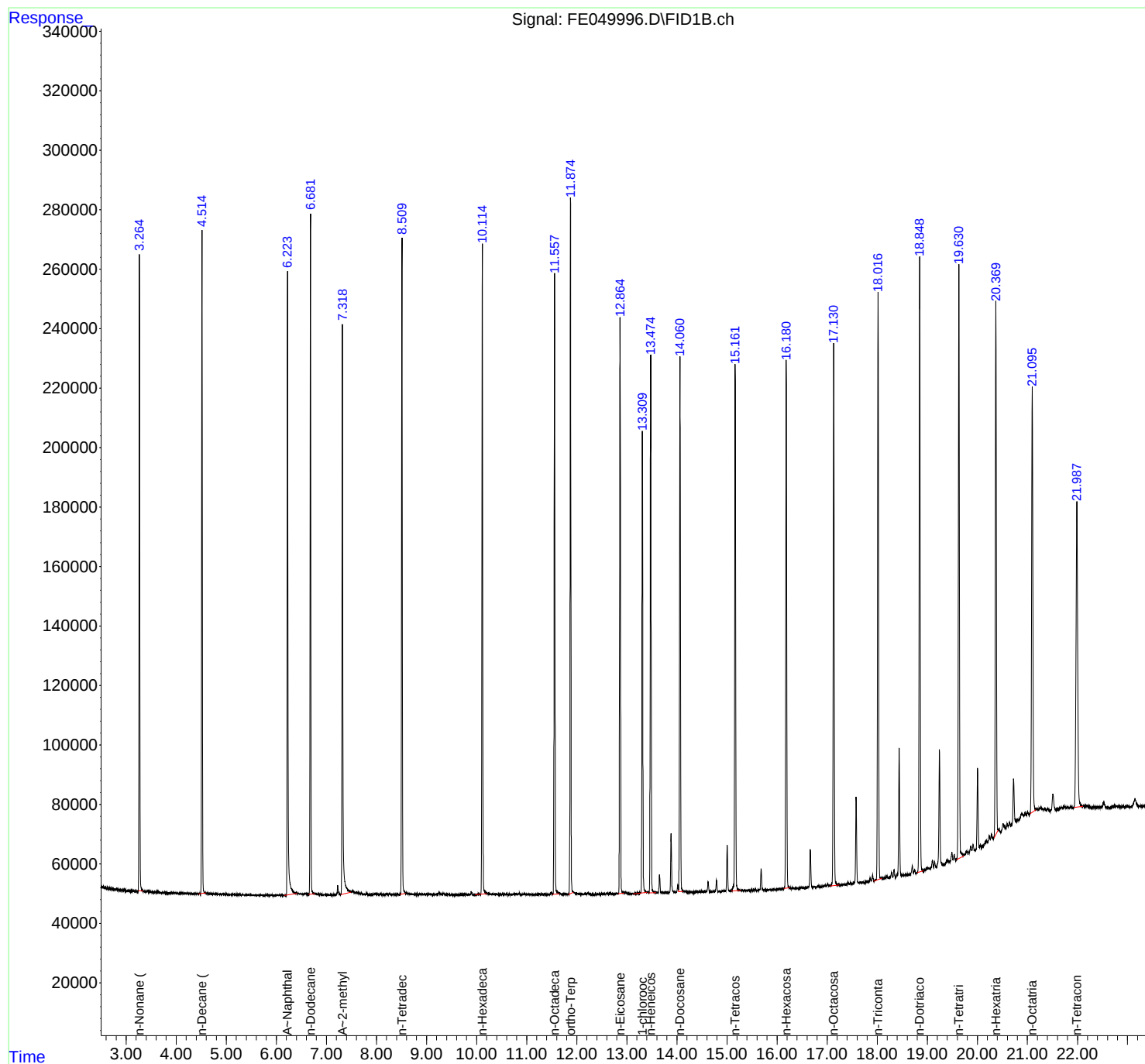
Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

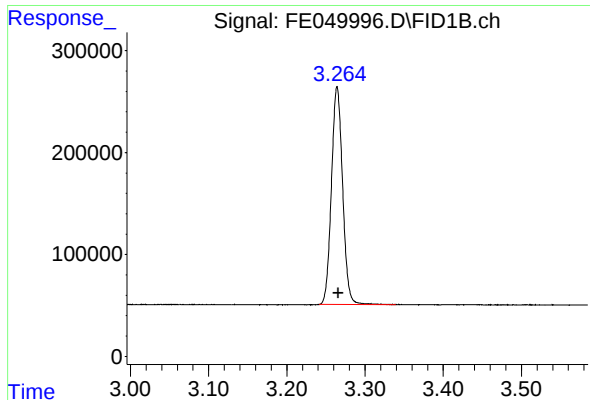
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024

Integration File: autoint1.e
Quant Time: Sep 10 11:47:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.
Quant Title : GC Extractables
QLast Update : Mon Sep 09 17:11:47 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um





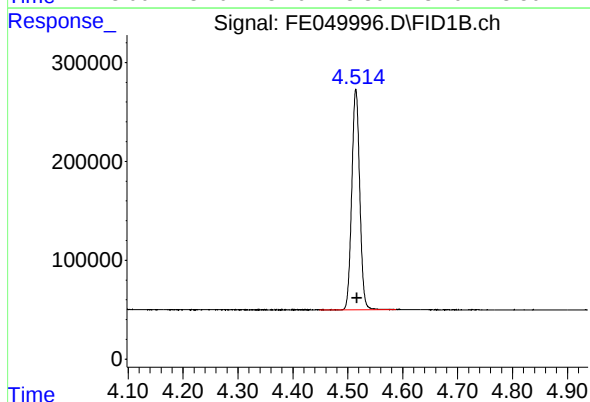
#1 n-Nonane (C9)

R.T.: 3.264 min
Delta R.T.: -0.002 min
Response: 2119518
Conc: 15.64 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

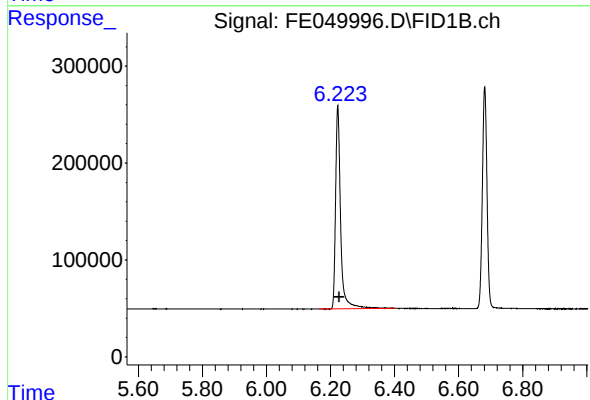
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



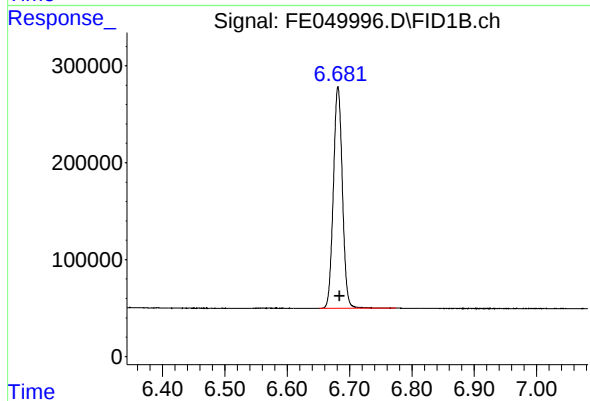
#2 n-Decane (C10)

R.T.: 4.515 min
Delta R.T.: -0.002 min
Response: 2246296
Conc: 16.28 ug/ml



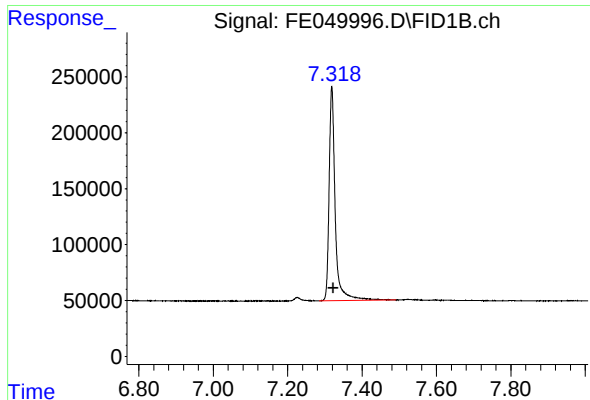
#3 A~Naphthalene (C11.7)

R.T.: 6.223 min
Delta R.T.: -0.004 min
Response: 2299389
Conc: 16.43 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.681 min
Delta R.T.: -0.002 min
Response: 2299808
Conc: 16.63 ug/ml



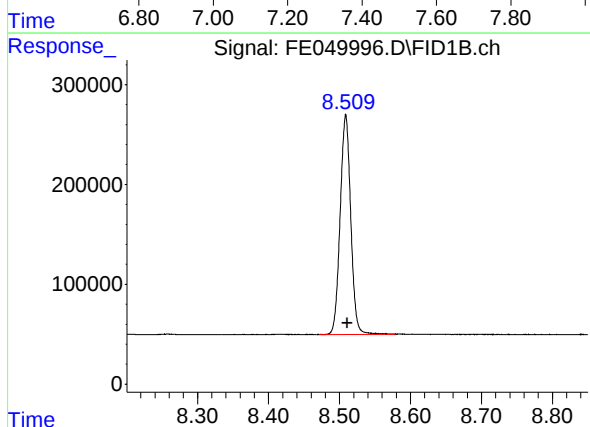
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.319 min
Delta R.T.: -0.004 min
Response: 2187229
Conc: 16.64 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

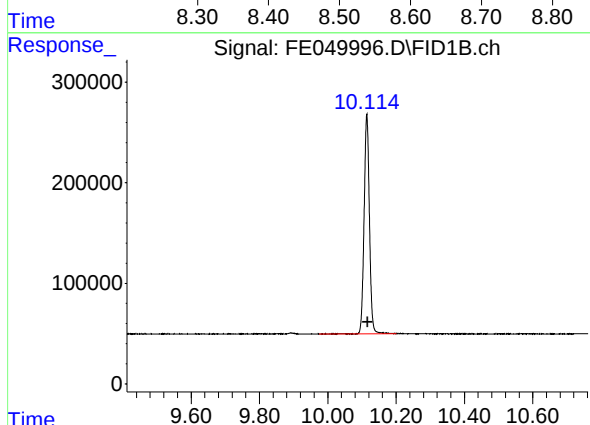
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



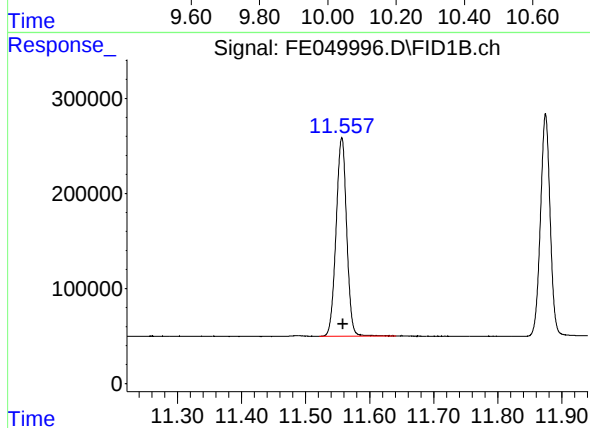
#6 n-Tetradecane (C14)

R.T.: 8.509 min
Delta R.T.: -0.002 min
Response: 2276098
Conc: 16.71 ug/ml



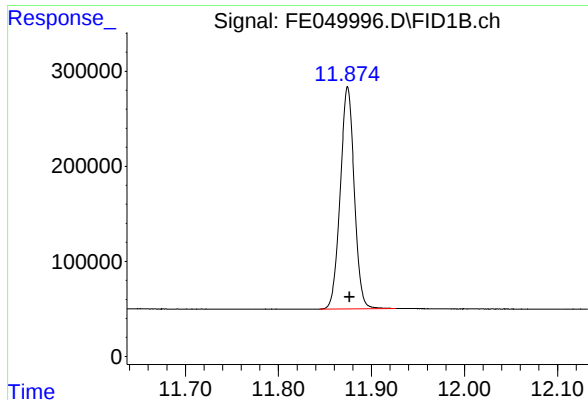
#7 n-Hexadecane (C16)

R.T.: 10.114 min
Delta R.T.: -0.003 min
Response: 2350342
Conc: 16.92 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.557 min
Delta R.T.: -0.002 min
Response: 2399048
Conc: 17.12 ug/ml



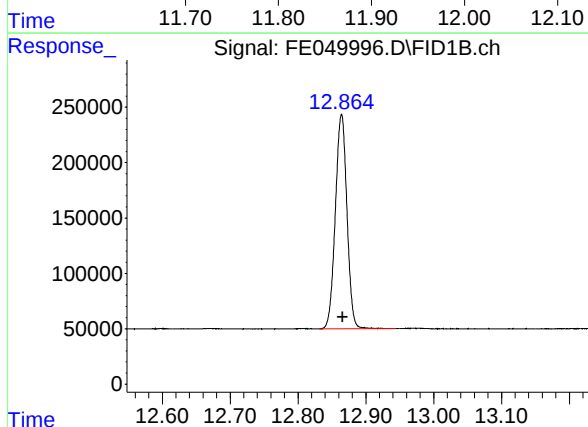
#9 ortho-Terphenyl (SURR)

R.T.: 11.874 min
Delta R.T.: -0.002 min
Response: 2442188
Conc: 16.41 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

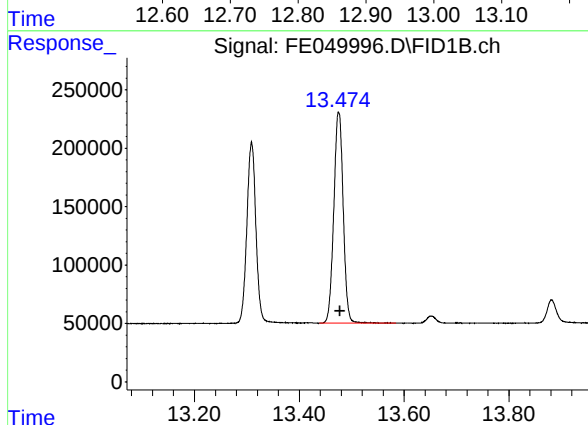
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



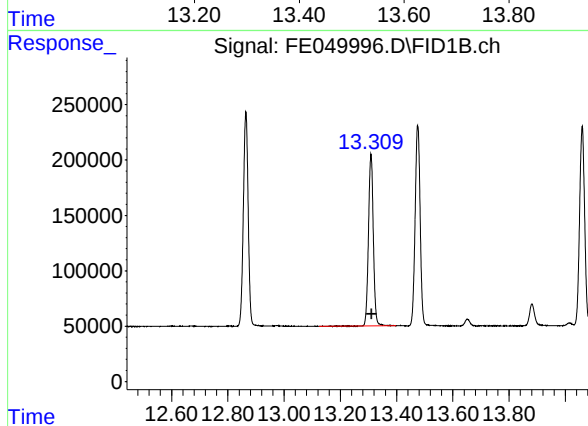
#10 n-Eicosane (C20)

R.T.: 12.864 min
Delta R.T.: -0.002 min
Response: 2301202
Conc: 17.15 ug/ml



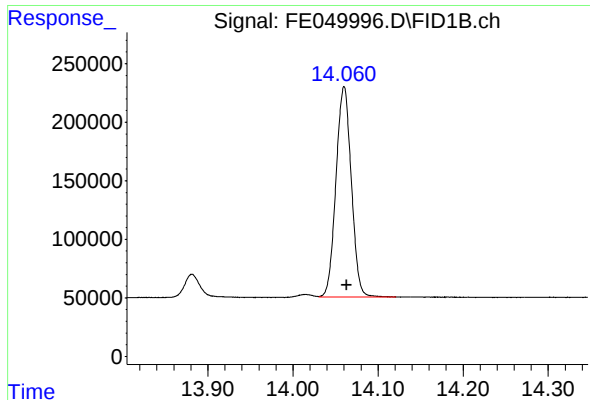
#11 n-Heneicosane (C21)

R.T.: 13.475 min
Delta R.T.: -0.002 min
Response: 2252927
Conc: 17.15 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.309 min
Delta R.T.: -0.003 min
Response: 1857717
Conc: 16.54 ug/ml



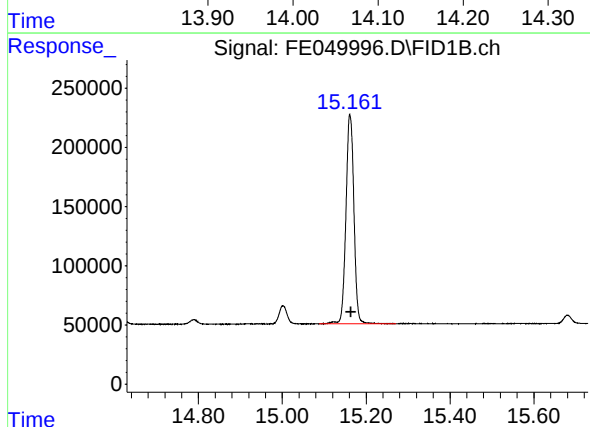
#13 n-Docosane (C22)

R.T.: 14.060 min
Delta R.T.: -0.003 min
Response: 2253057
Conc: 17.30 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

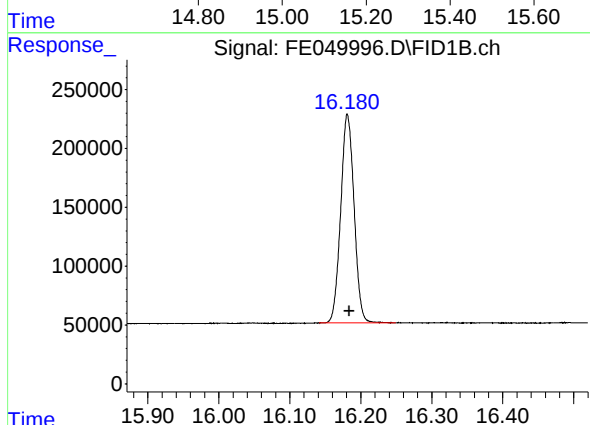
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



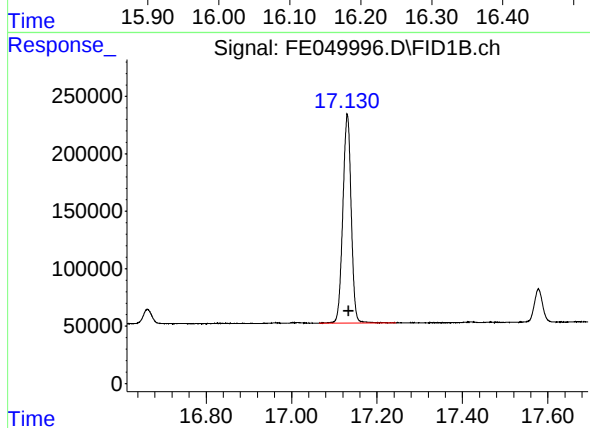
#14 n-Tetracosane (C24)

R.T.: 15.162 min
Delta R.T.: -0.003 min
Response: 2331856
Conc: 17.86 ug/ml



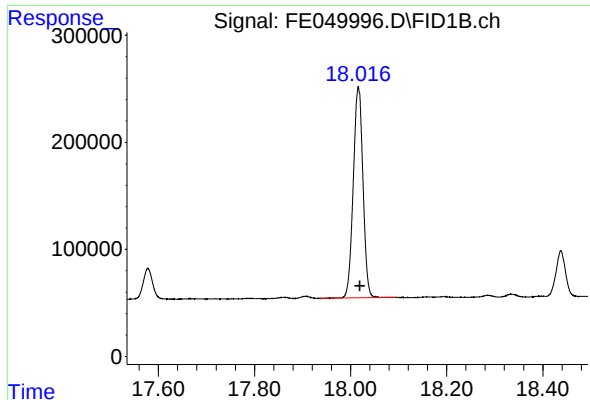
#15 n-Hexacosane (C26)

R.T.: 16.181 min
Delta R.T.: -0.002 min
Response: 2322161
Conc: 18.15 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.131 min
Delta R.T.: -0.003 min
Response: 2468677
Conc: 19.17 ug/ml



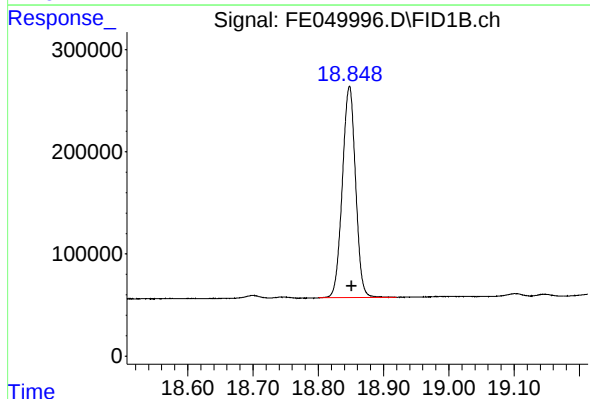
#17 n-Tricontane (C30)

R.T.: 18.016 min
Delta R.T.: -0.004 min
Response: 2767670
Conc: 20.70 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

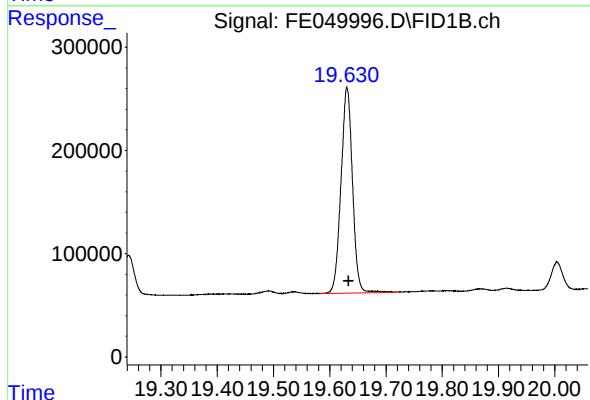
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



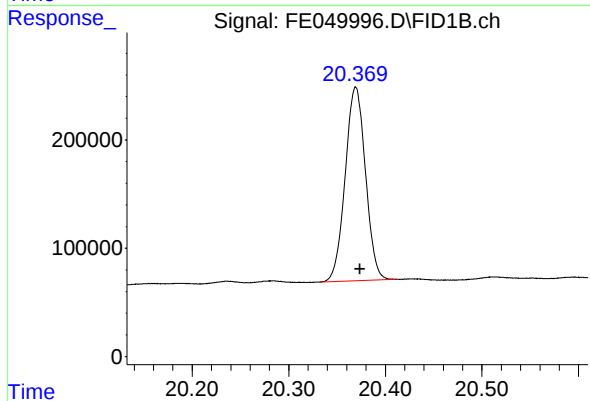
#18 n-Dotriacontane (C32)

R.T.: 18.848 min
Delta R.T.: -0.004 min
Response: 2909275
Conc: 21.83 ug/ml



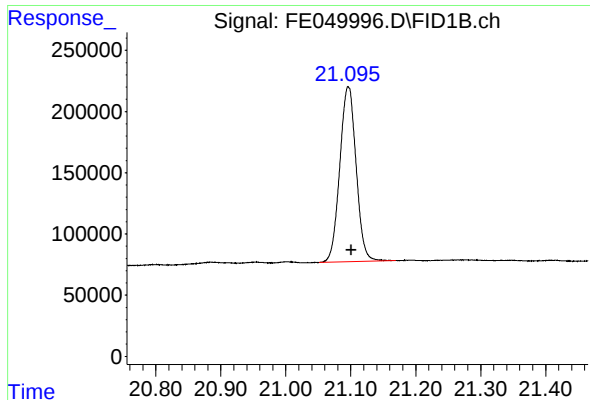
#19 n-Tetratriacontane (C34)

R.T.: 19.631 min
Delta R.T.: -0.003 min
Response: 2832390
Conc: 22.92 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.369 min
Delta R.T.: -0.005 min
Response: 2594224
Conc: 23.38 ug/ml m



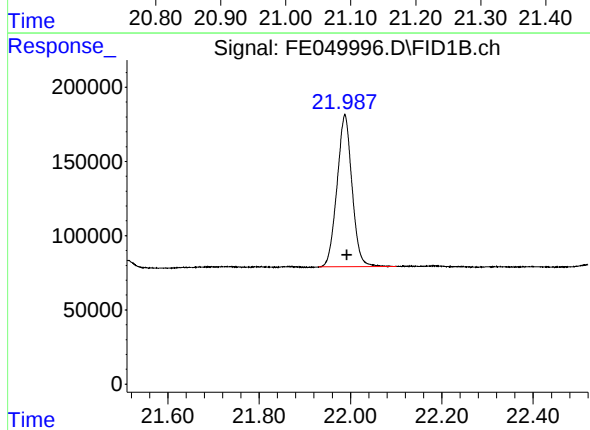
#21 n-Octatriacontane (C38)

R.T.: 21.096 min
Delta R.T.: -0.005 min
Response: 2498642
Conc: 22.66 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



#22 n-Tetracontane (C40)

R.T.: 21.988 min
Delta R.T.: -0.005 min
Response: 2338526
Conc: 21.49 ug/ml