Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG070825AL\
Data File : FG016238.D
Signal(s) : FID1A.ch
Acq On : 08 Jul 2025 10:17
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/09/2025
Supervised By :mohammad ahmed 07/10/2025

Integration File: autoint1.e
Quant Time: Jul 09 03:56:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:52:22 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)	12.093	2647798	20.522 ug/ml
Spiked Amount	50.000		Recovery =	41.04%
12)	S 1-chlorooctadecane (S...	13.538	2051257	20.357 ug/ml
Spiked Amount	50.000		Recovery =	40.71%
	Target Compounds			
1)	T n-Nonane (C9)	3.412	2218230	20.502 ug/ml
2)	T n-Decane (C10)	4.674	2258149	20.586 ug/ml
3)	T A~Naphthalene (C11.7)	6.391	2494547	20.878 ug/ml
4)	T n-Dodecane (C12)	6.854	2284986	20.752 ug/ml
5)	T A~2-methylnaphthalene...	7.495	2433511	20.923 ug/ml
6)	T n-Tetradecane (C14)	8.695	2286993	20.825 ug/ml
7)	T n-Hexadecane (C16)	10.314	2367837	20.801 ug/ml
8)	T n-Octadecane (C18)	11.769	2415807	20.752 ug/ml
10)	T n-Eicosane (C20)	13.089	2356961	20.709 ug/ml
11)	T n-Heneicosane (C21)	13.706	2324335	20.531 ug/ml
13)	T n-Docosane (C22)	14.297	2347738	20.652 ug/ml
14)	T n-Tetracosane (C24)	15.409	2378792	20.629 ug/ml
15)	T n-Hexacosane (C26)	16.436	2345150	20.379 ug/ml
16)	T n-Octacosane (C28)	17.393	2265235	19.960 ug/ml
17)	T n-Tricontane (C30)	18.286	2218425	19.377 ug/ml
18)	T n-Dotriacontane (C32)	19.124	2072531	19.009 ug/ml
19)	T n-Tetratriacontane (C34)	19.912	1846086	18.660 ug/ml
20)	T n-Hexatriacontane (C36)	20.657	1601922	18.873 ug/mlm
21)	T n-Octatriacontane (C38)	21.445	1482301	19.635 ug/ml
22)	T n-Tetracontane (C40)	22.453	1412302	20.424 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

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Data File : FG016238.D
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Acq On : 08 Jul 2025 10:17
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
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ALS Vial : 11 Sample Multiplier: 1

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Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
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Signal Info : 20M x 0.18mm x 0.18um

Instrument :
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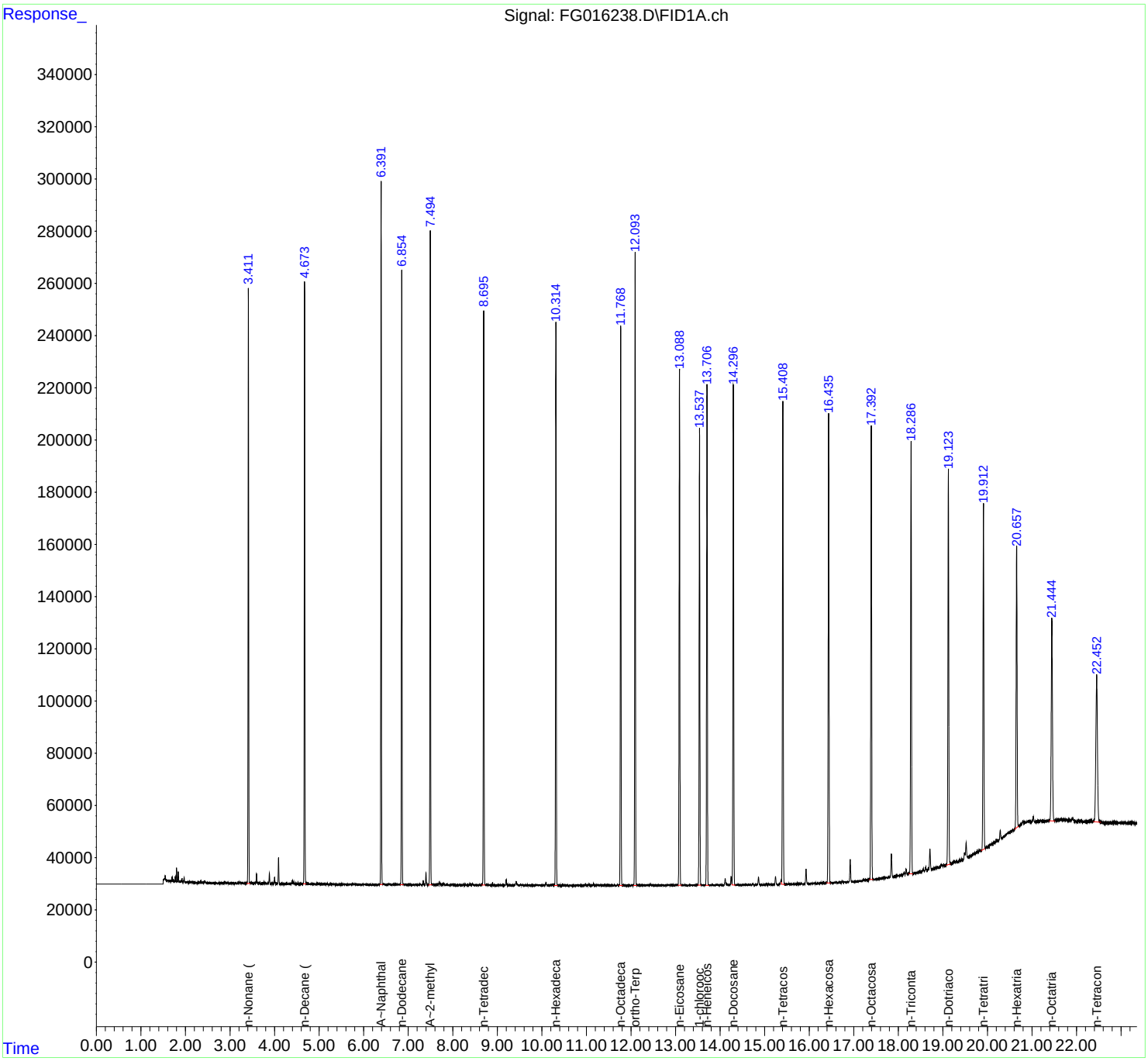

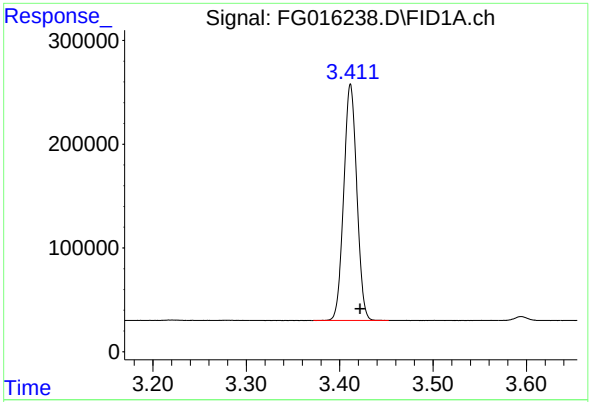

#1 n-Nonane (C9)

R.T.: 3.412 min
Delta R.T.: -0.010 min
Response: 2218230
Conc: 20.50 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD

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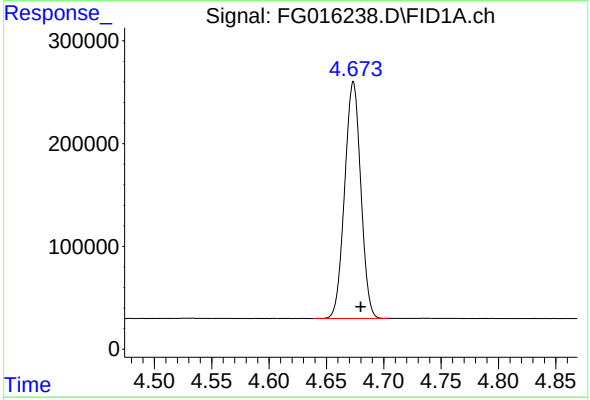
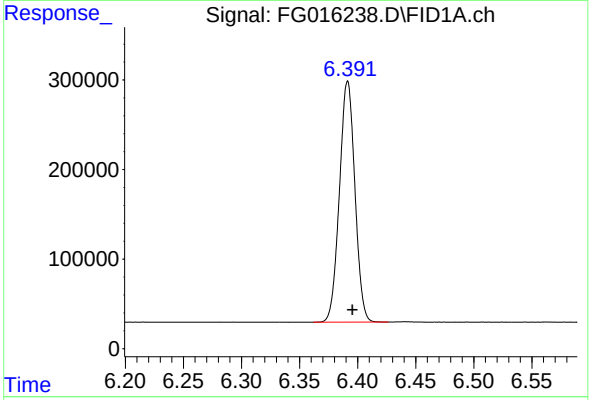


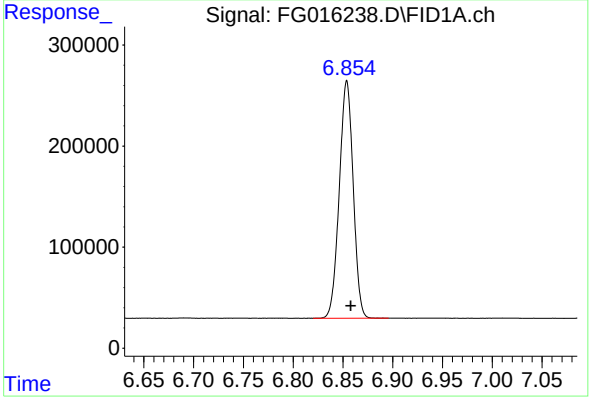
#2 n-Decane (C10)

R.T.: 4.674 min
Delta R.T.: -0.006 min
Response: 2258149
Conc: 20.59 ug/ml



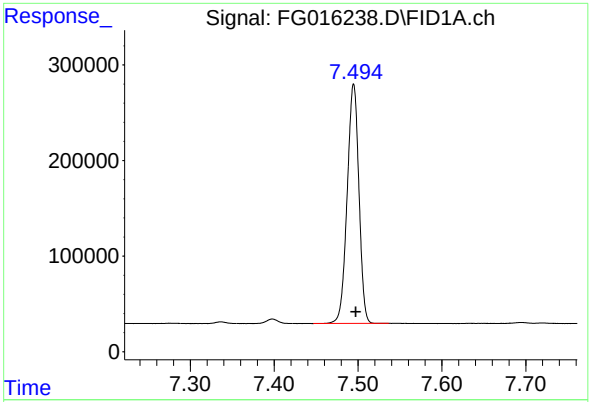
#3 A~Naphthalene (C11.7)

R.T.: 6.391 min
Delta R.T.: -0.004 min
Response: 2494547
Conc: 20.88 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.854 min
Delta R.T.: -0.004 min
Response: 2284986
Conc: 20.75 ug/ml



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

R.T.: 7.495 min
Delta R.T.: -0.002 min
Response: 2433511
Conc: 20.92 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

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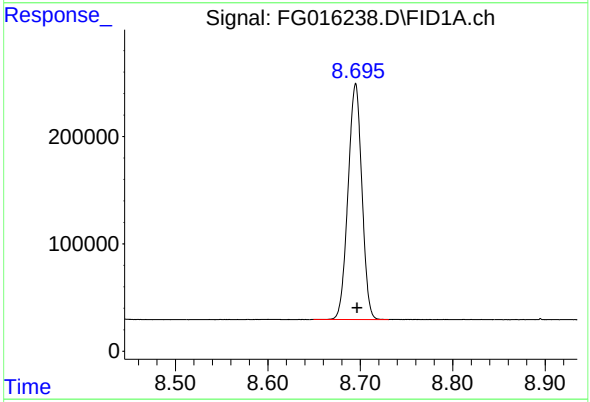
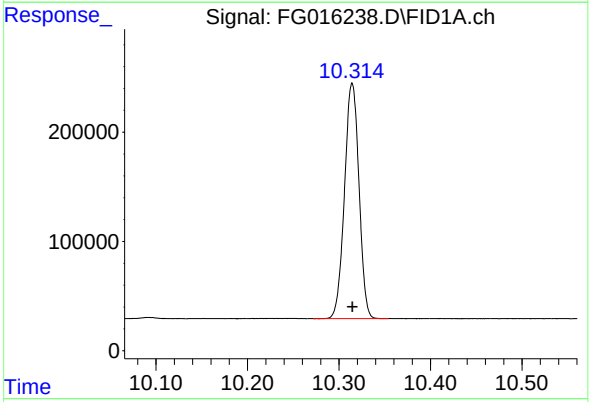


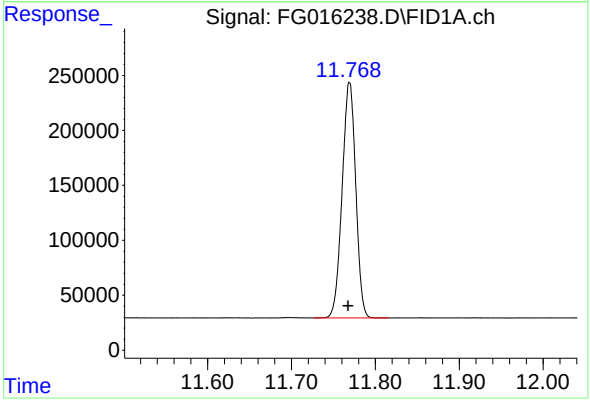
#6 n-Tetradecane (C14)

R.T.: 8.695 min
Delta R.T.: -0.002 min
Response: 2286993
Conc: 20.83 ug/ml



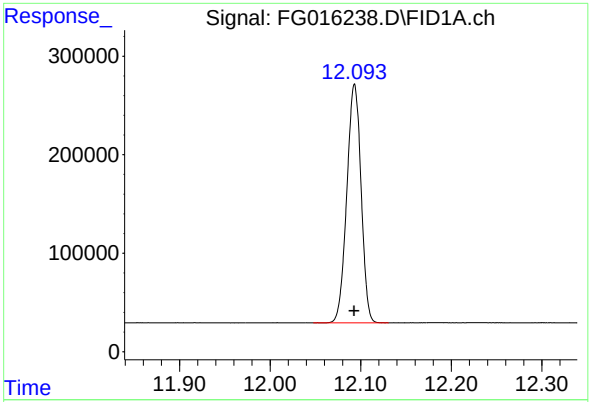
#7 n-Hexadecane (C16)

R.T.: 10.314 min
Delta R.T.: 0.000 min
Response: 2367837
Conc: 20.80 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.769 min
Delta R.T.: 0.002 min
Response: 2415807
Conc: 20.75 ug/ml



#9 ortho-Terphenyl (SURR)

R.T.: 12.093 min
Delta R.T.: 0.000 min
Response: 2647798
Conc: 20.52 ug/ml

Instrument :
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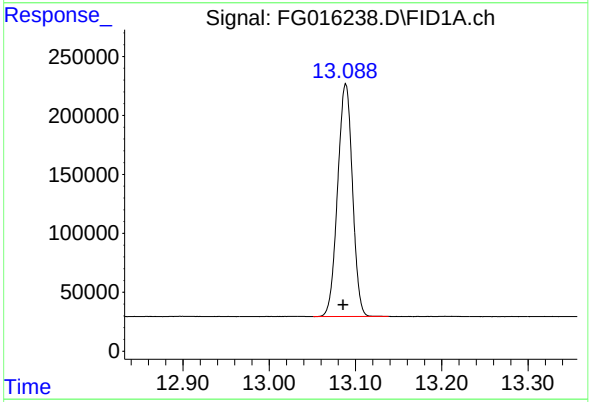
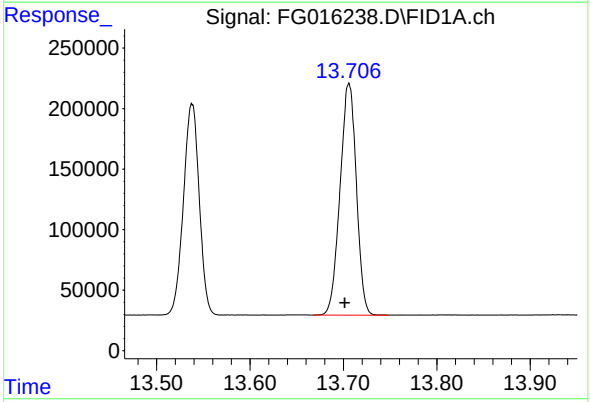


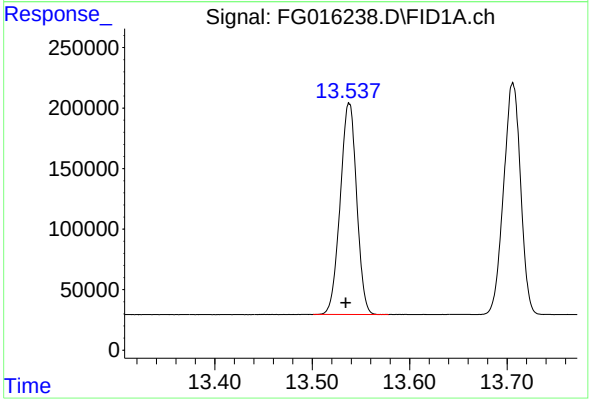
#10 n-Eicosane (C20)

R.T.: 13.089 min
Delta R.T.: 0.003 min
Response: 2356961
Conc: 20.71 ug/ml



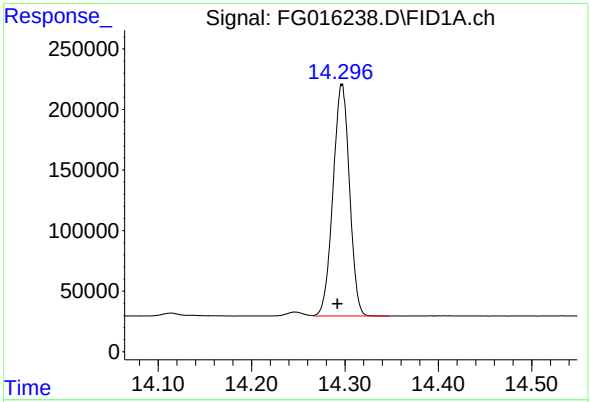
#11 n-Heneicosane (C21)

R.T.: 13.706 min
Delta R.T.: 0.004 min
Response: 2324335
Conc: 20.53 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.538 min
Delta R.T.: 0.004 min
Response: 2051257
Conc: 20.36 ug/ml



#13 n-Docosane (C22)

R.T.: 14.297 min
Delta R.T.: 0.005 min
Response: 2347738
Conc: 20.65 ug/ml

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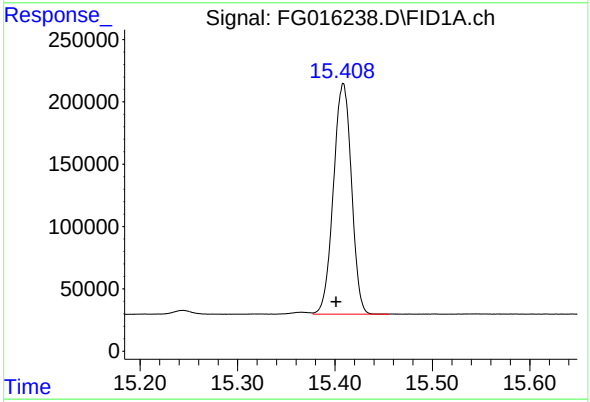
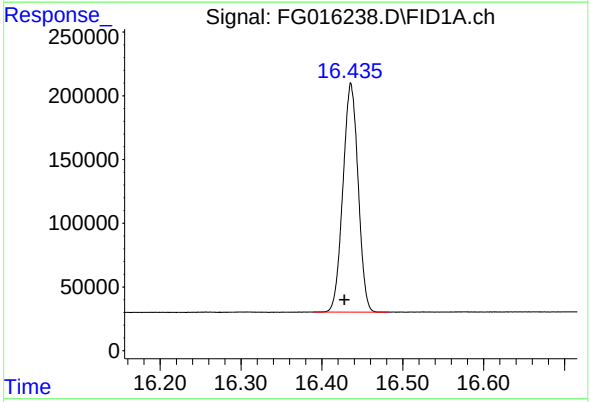


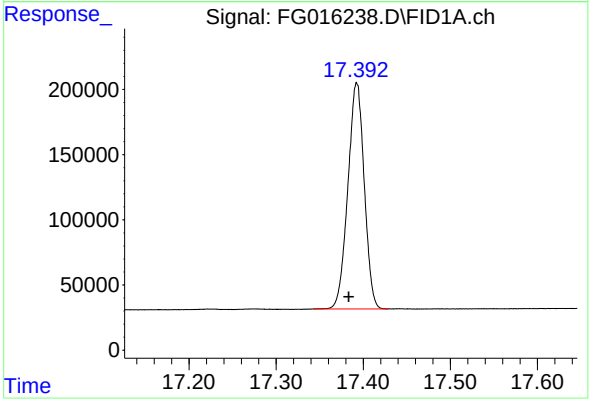
#14 n-Tetracosane (C24)

R.T.: 15.409 min
Delta R.T.: 0.007 min
Response: 2378792
Conc: 20.63 ug/ml



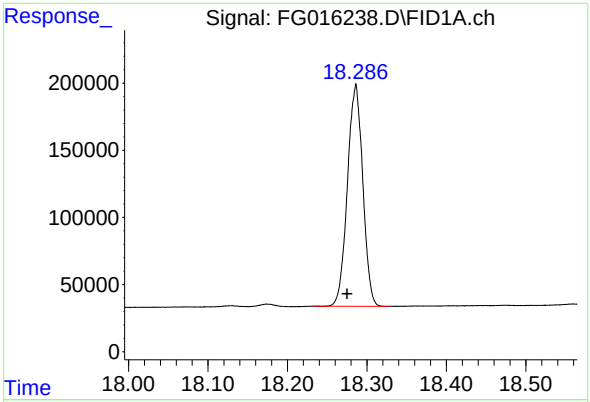
#15 n-Hexacosane (C26)

R.T.: 16.436 min
Delta R.T.: 0.008 min
Response: 2345150
Conc: 20.38 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.393 min
Delta R.T.: 0.009 min
Response: 2265235
Conc: 19.96 ug/ml



#17 n-Tricontane (C30)

R.T.: 18.286 min
Delta R.T.: 0.011 min
Response: 2218425
Conc: 19.38 ug/ml

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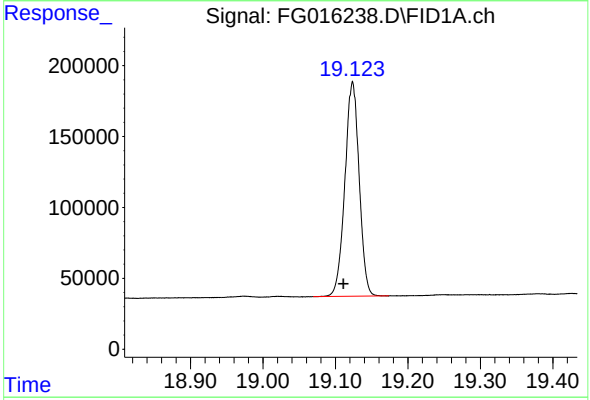
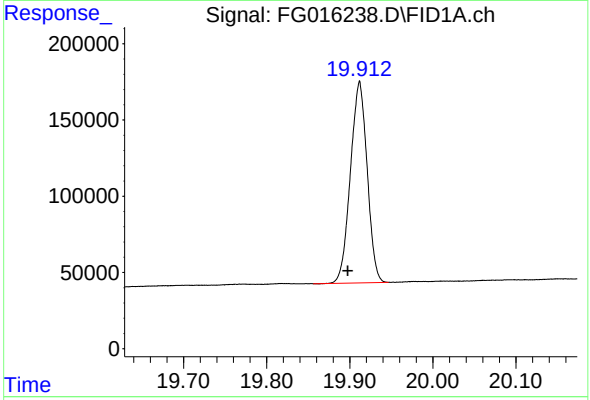


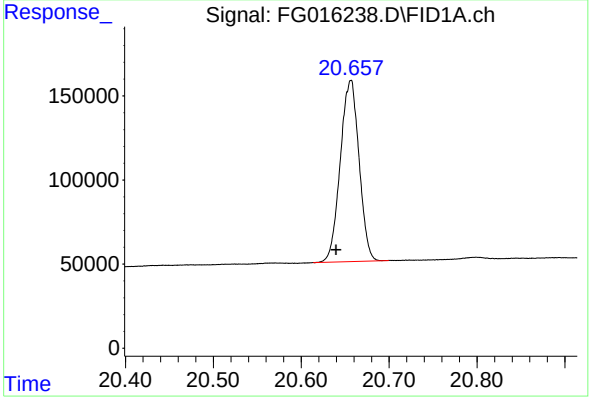
#18 n-Dotriacontane (C32)

R.T.: 19.124 min
Delta R.T.: 0.013 min
Response: 2072531
Conc: 19.01 ug/ml



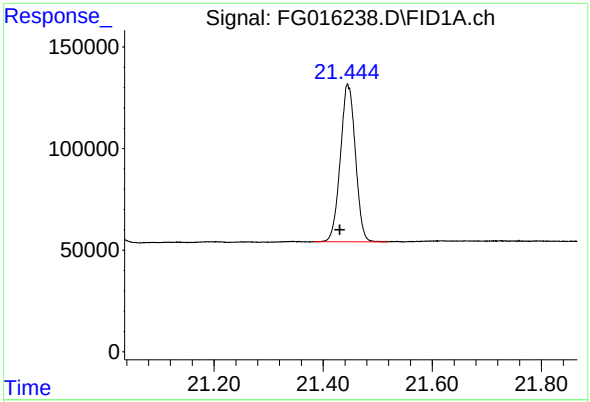
#19 n-Tetratriacontane (C34)

R.T.: 19.912 min
Delta R.T.: 0.014 min
Response: 1846086
Conc: 18.66 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.657 min
Delta R.T.: 0.017 min
Response: 1601922
Conc: 18.87 ug/ml m



#21 n-Octatriacontane (C38)

R.T.: 21.445 min
Delta R.T.: 0.014 min
Response: 1482301
Conc: 19.64 ug/ml

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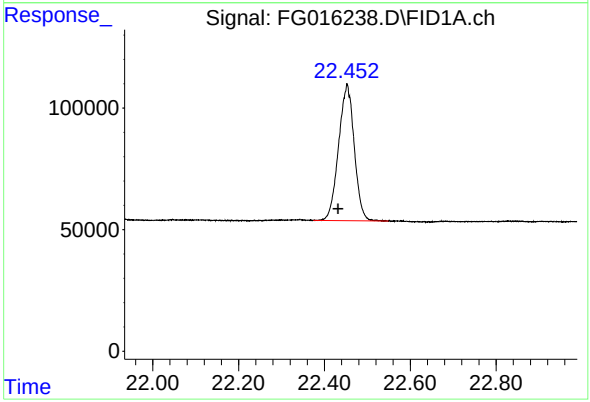

#22 n-Tetracontane (C40)

R.T.: 22.453 min
Delta R.T.: 0.021 min
Response: 1412302
Conc: 20.42 ug/ml