

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE011725AL\
 Data File : FE051956.D
 Signal(s) : FID1B.ch
 Acq On : 17 Jan 2025 19:54
 Operator : YP\AJ
 Sample : Q1115-10MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

VNJ-213MSD

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 01/21/2025

Supervised By :Ankita Jodhani 01/21/2025

Integration File: autoint1.e

Quant Time: Jan 17 23:16:37 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 011625.M

Quant Title : GC Extractables

QLast Update : Thu Jan 16 16:05:07 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)	12.186	4739489	33.160 ug/ml
Spiked Amount 50.000		Recovery =	66.32%
12) S 1-chlorooctadecane (S...	13.607	4039439	35.213 ug/ml
Spiked Amount 50.000		Recovery =	70.43%
Target Compounds			
1) T n-Nonane (C9)	3.622	2967494	27.834 ug/ml
2) T n-Decane (C10)	4.857	3471124	31.706 ug/ml
3) T A~Naphthalene (C11.7)	6.559	4404607	36.247 ug/ml
4) T n-Dodecane (C12)	7.000	4009450	35.524 ug/ml
5) T A~2-methylnaphthalene...	7.646	4354786	36.477 ug/ml
6) T n-Tetradecane (C14)	8.819	4531423	38.960 ug/mlm
7) T n-Hexadecane (C16)	10.418	4877856	38.676 ug/ml
8) T n-Octadecane (C18)	11.858	4997604	37.773 ug/mlm
10) T n-Eicosane (C20)	13.162	5245444	40.013 ug/mlm
11) T n-Heneicosane (C21)	13.772	5083645	39.056 ug/ml
13) T n-Docosane (C22)	14.357	4957507	37.776 ug/ml
14) T n-Tetracosane (C24)	15.460	10411778	78.384 ug/ml
15) T n-Hexacosane (C26)	16.477	4825927	36.509 ug/mlm
16) T n-Octacosane (C28)	17.421	4799460	36.364 ug/ml
17) T n-Tricontane (C30)	18.308	4765645	34.954 ug/ml
18) T n-Dotriacontane (C32)	19.138	4697147	35.841 ug/mlm
19) T n-Tetratriacontane (C34)	19.919	4493702	39.914 ug/ml
20) T n-Hexatriacontane (C36)	20.655	4095134	43.115 ug/ml
21) T n-Octatriacontane (C38)	21.448	3689414	42.710 ug/mlm
22) T n-Tetracontane (C40)	22.460	3414474	41.432 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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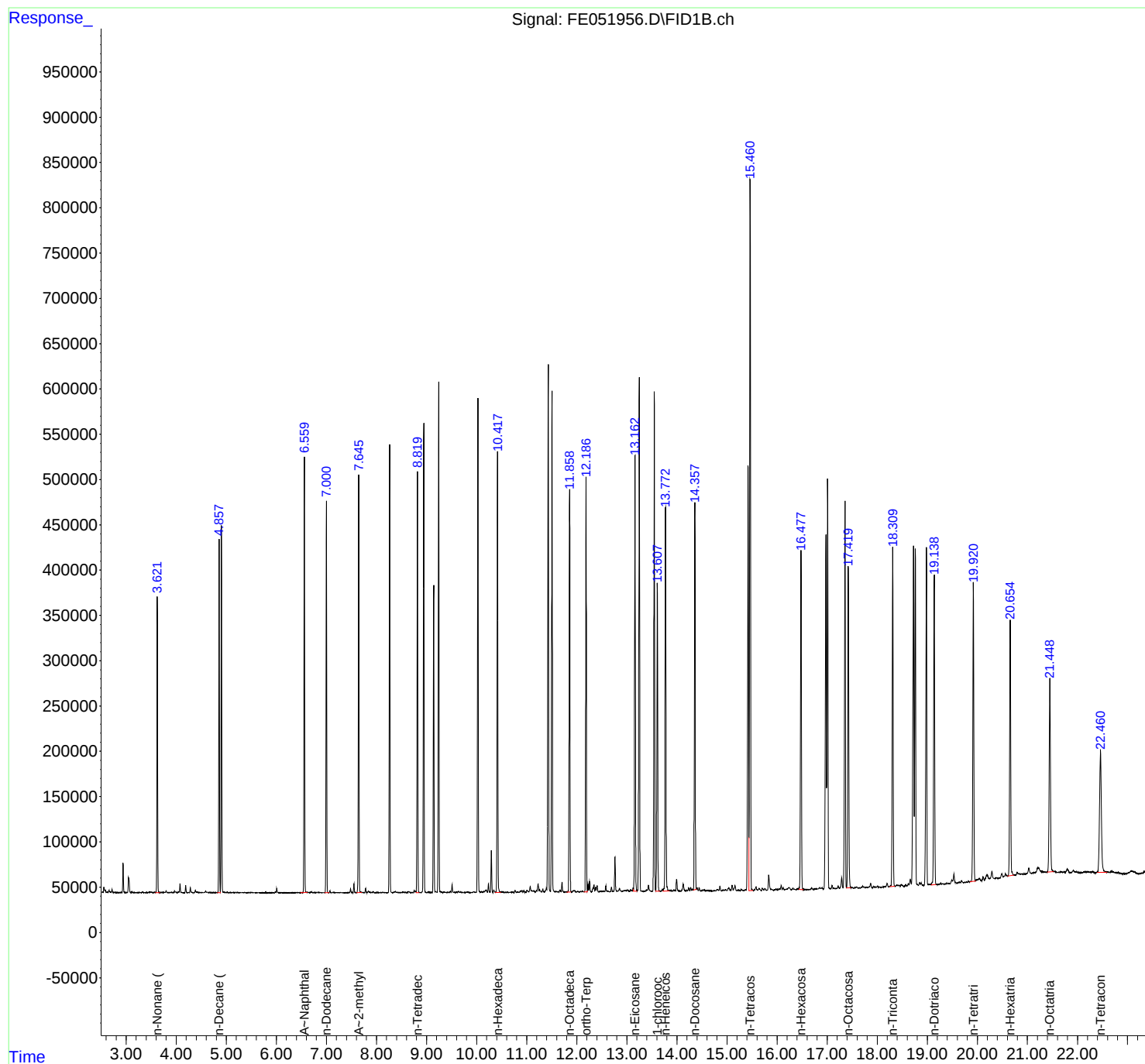
Response via : Initial Calibration

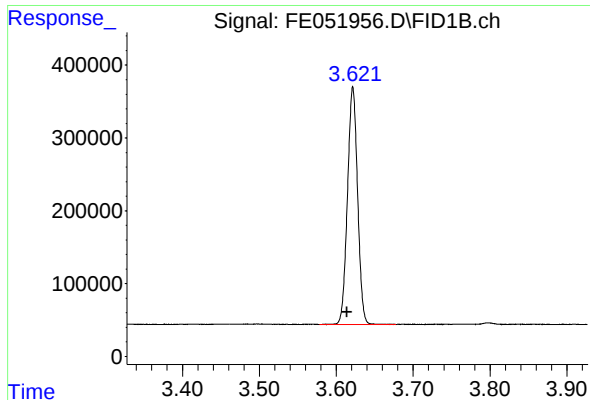
Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um





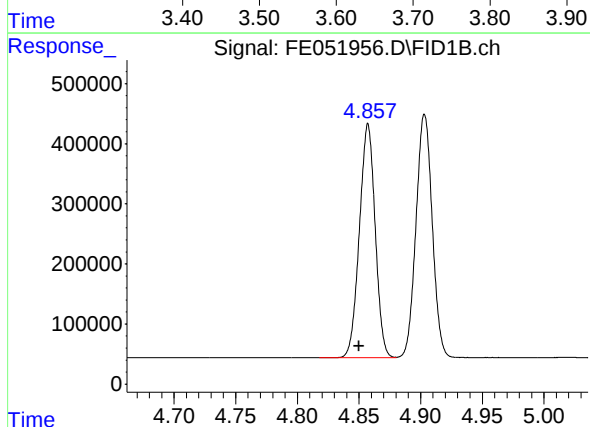
#1 n-Nonane (C9)

R.T.: 3.622 min
Delta R.T.: 0.008 min
Response: 2967494
Conc: 27.83 ug/ml

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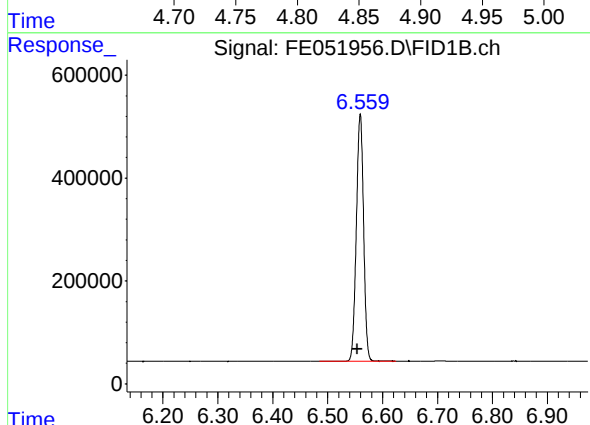
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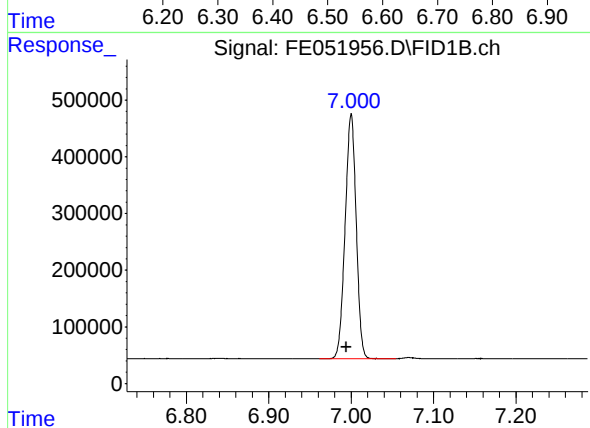
#2 n-Decane (C10)

R.T.: 4.857 min
Delta R.T.: 0.007 min
Response: 3471124
Conc: 31.71 ug/ml



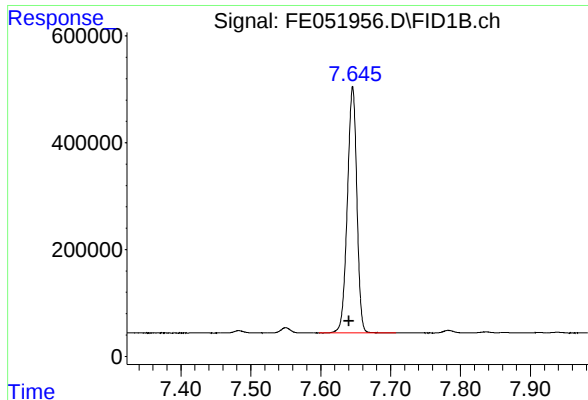
#3 A~Naphthalene (C11.7)

R.T.: 6.559 min
Delta R.T.: 0.006 min
Response: 4404607
Conc: 36.25 ug/ml



#4 n-Dodecane (C12)

R.T.: 7.000 min
Delta R.T.: 0.006 min
Response: 4009450
Conc: 35.52 ug/ml



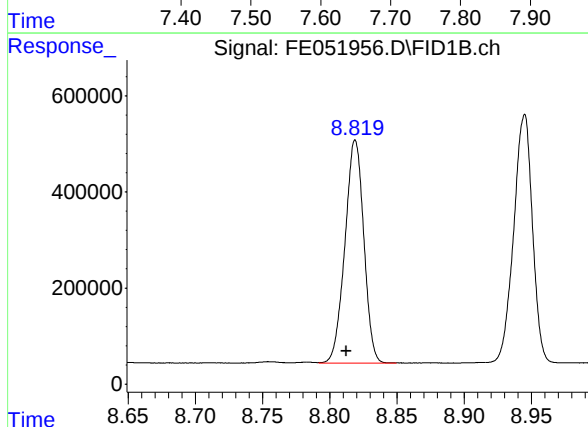
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.646 min
Delta R.T.: 0.005 min
Response: 4354786
Conc: 36.48 ug/ml

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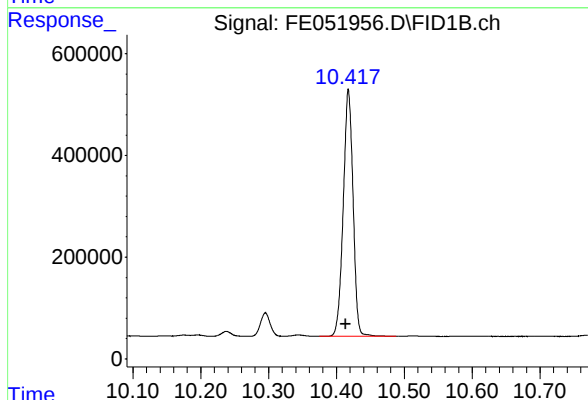
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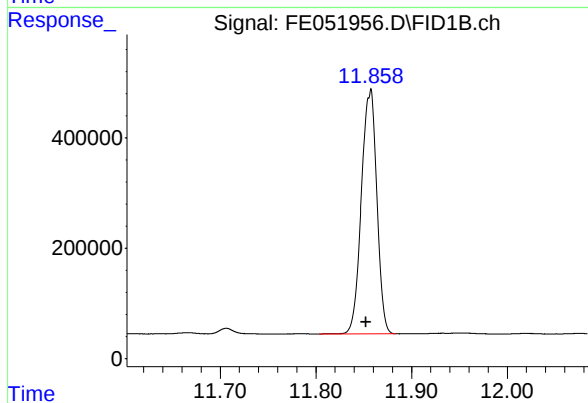
#6 n-Tetradecane (C14)

R.T.: 8.819 min
Delta R.T.: 0.006 min
Response: 4531423
Conc: 38.96 ug/ml m



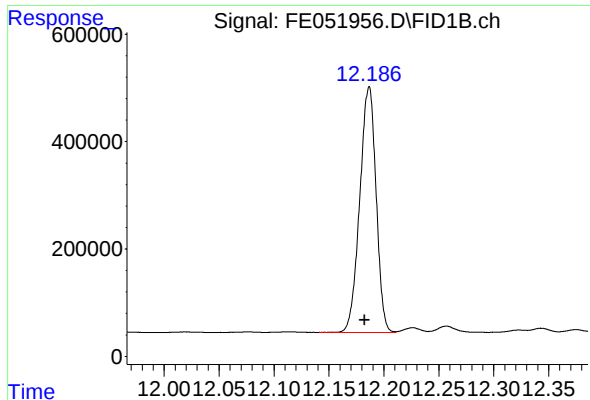
#7 n-Hexadecane (C16)

R.T.: 10.418 min
Delta R.T.: 0.004 min
Response: 4877856
Conc: 38.68 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.858 min
Delta R.T.: 0.005 min
Response: 4997604
Conc: 37.77 ug/ml m



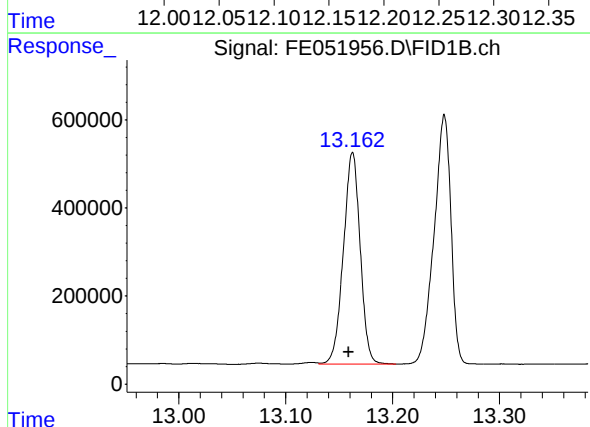
#9 ortho-Terphenyl (SURR)

R.T.: 12.186 min
Delta R.T.: 0.004 min
Response: 4739489
Conc: 33.16 ug/ml

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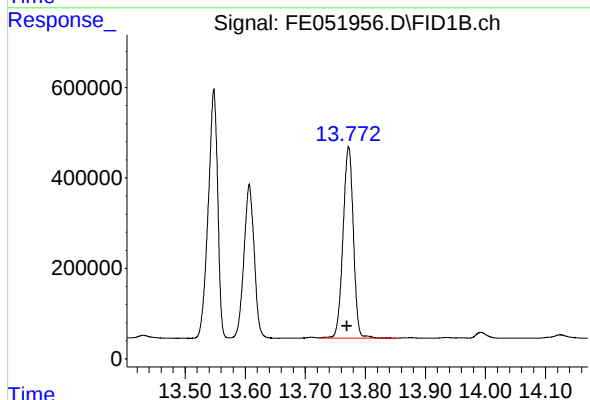
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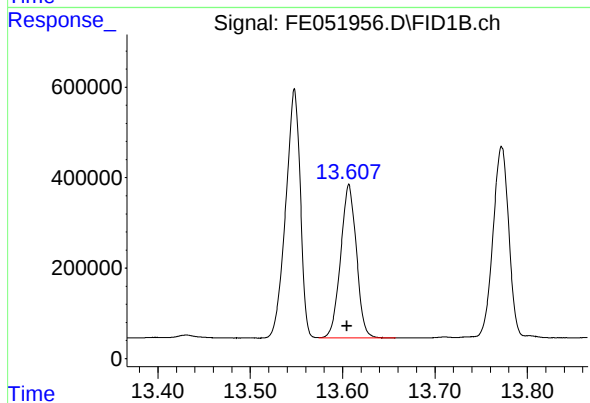
#10 n-Eicosane (C20)

R.T.: 13.162 min
Delta R.T.: 0.004 min
Response: 5245444
Conc: 40.01 ug/ml m



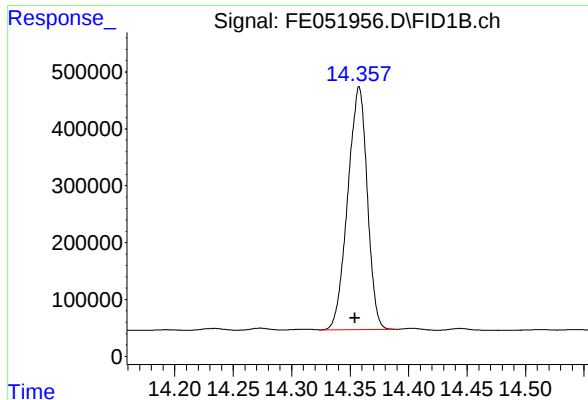
#11 n-Heneicosane (C21)

R.T.: 13.772 min
Delta R.T.: 0.003 min
Response: 5083645
Conc: 39.06 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.607 min
Delta R.T.: 0.002 min
Response: 4039439
Conc: 35.21 ug/ml



#13 n-Docosane (C22)

R.T.: 14.357 min
Delta R.T.: 0.003 min
Response: 4957507
Conc: 37.78 ug/ml

Instrument :

FID_E

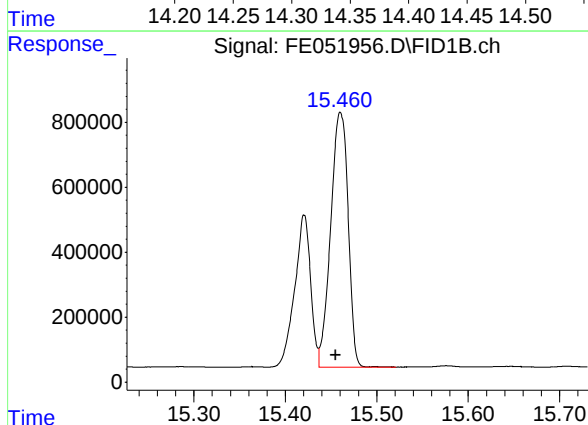
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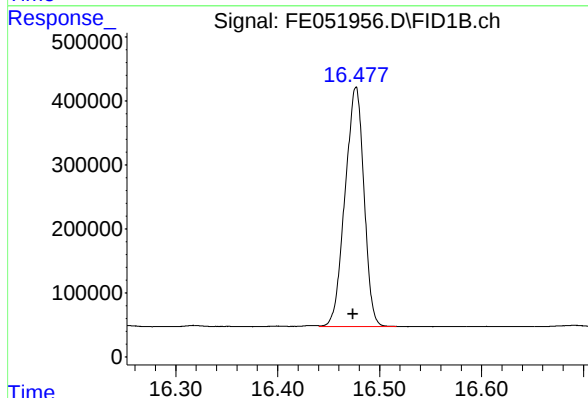
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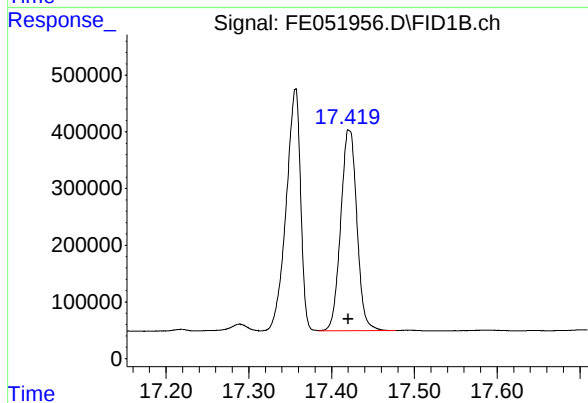
#14 n-Tetracosane (C24)

R.T.: 15.460 min
Delta R.T.: 0.005 min
Response: 10411778
Conc: 78.38 ug/ml



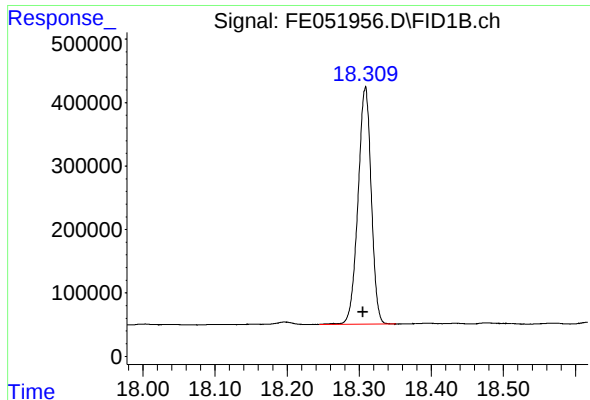
#15 n-Hexacosane (C26)

R.T.: 16.477 min
Delta R.T.: 0.003 min
Response: 4825927
Conc: 36.51 ug/ml m



#16 n-Octacosane (C28)

R.T.: 17.421 min
Delta R.T.: 0.001 min
Response: 4799460
Conc: 36.36 ug/ml



#17 n-Tricontane (C30)

R.T.: 18.308 min
Delta R.T.: 0.003 min
Response: 4765645
Conc: 34.95 ug/ml

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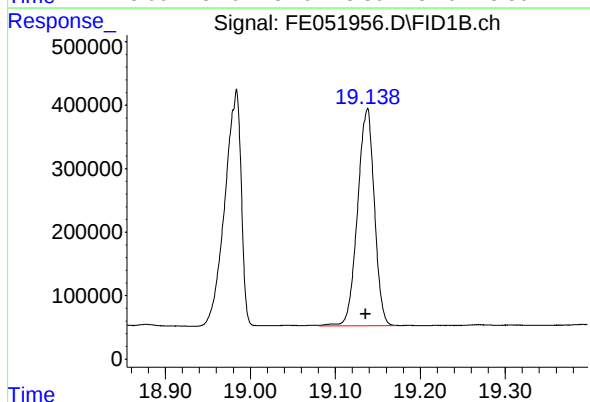
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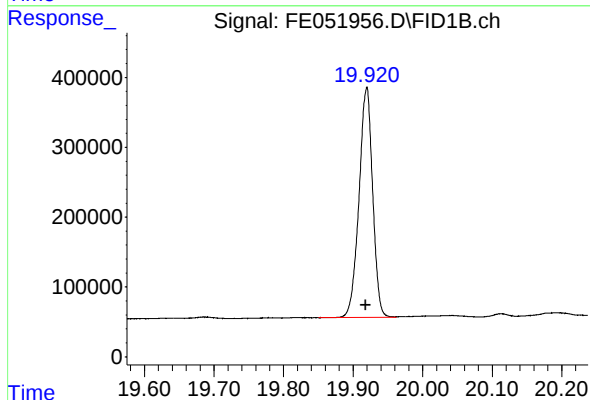
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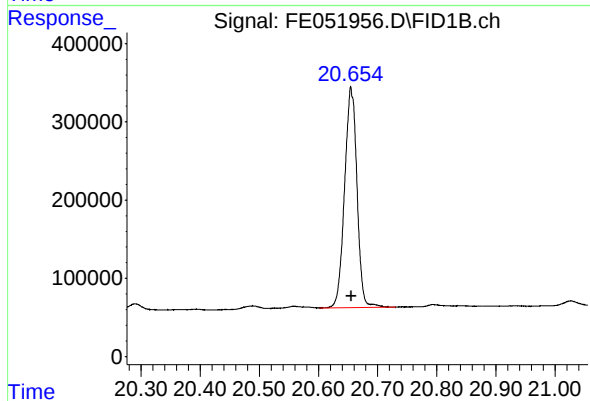
#18 n-Dotriacontane (C32)

R.T.: 19.138 min
Delta R.T.: 0.002 min
Response: 4697147
Conc: 35.84 ug/ml



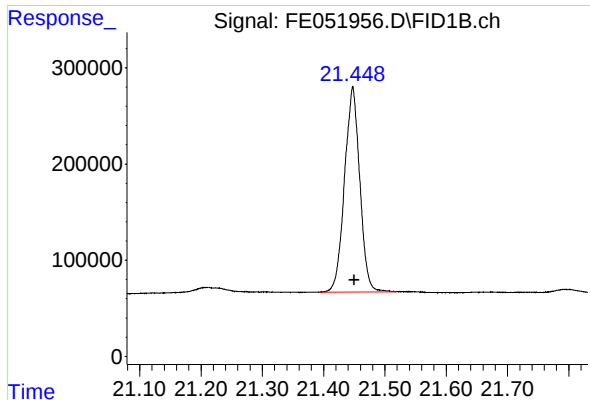
#19 n-Tetratriacontane (C34)

R.T.: 19.919 min
Delta R.T.: 0.000 min
Response: 4493702
Conc: 39.91 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.655 min
Delta R.T.: 0.000 min
Response: 4095134
Conc: 43.11 ug/ml



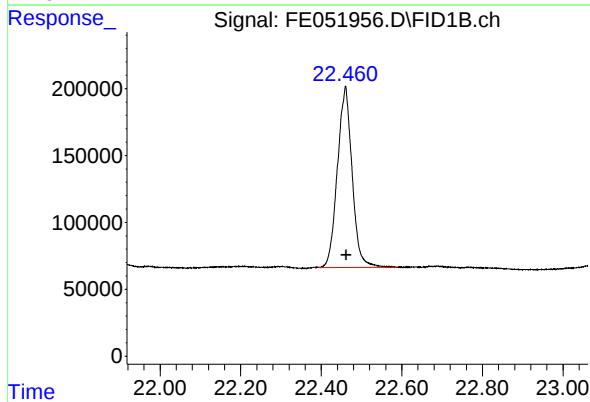
#21 n-Octatriacontane (C38)

R.T.: 21.448 min
Delta R.T.: -0.003 min
Response: 3689414
Conc: 42.71 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.460 min
Delta R.T.: -0.002 min
Response: 3414474
Conc: 41.43 ug/ml m