

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091824AL\
 Data File : FE050197.D
 Signal(s) : FID1B.ch
 Acq On : 19 Sep 2024 04:15
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/19/2024
 Supervised By :Ankita Jodhani 09/19/2024

Integration File: autoint1.e
 Quant Time: Sep 19 04:51:28 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)	11.873	3003259	20.186 ug/ml
Spiked Amount 50.000		Recovery =	40.37%
12) S 1-chlorooctadecane (S...	13.307	2280132	20.299 ug/ml
Spiked Amount 50.000		Recovery =	40.60%
Target Compounds			
1) T n-Nonane (C9)	3.260	2664009	19.654 ug/mlm
2) T n-Decane (C10)	4.511	2758905	19.990 ug/ml
3) T A~Naphthalene (C11.7)	6.220	2821335	20.157 ug/ml
4) T n-Dodecane (C12)	6.678	2772432	20.049 ug/ml
5) T A~2-methylnaphthalene...	7.316	2658085	20.223 ug/ml
6) T n-Tetradecane (C14)	8.506	2745920	20.165 ug/ml
7) T n-Hexadecane (C16)	10.112	2823176	20.325 ug/ml
8) T n-Octadecane (C18)	11.554	2844308	20.302 ug/ml
10) T n-Eicosane (C20)	12.861	2716425	20.250 ug/ml
11) T n-Heneicosane (C21)	13.472	2665130	20.283 ug/ml
13) T n-Docosane (C22)	14.058	2646678	20.325 ug/ml
14) T n-Tetracosane (C24)	15.160	2652815	20.314 ug/ml
15) T n-Hexacosane (C26)	16.179	2617867	20.462 ug/ml
16) T n-Octacosane (C28)	17.128	2705361	21.003 ug/ml
17) T n-Tricontane (C30)	18.015	2889399	21.608 ug/ml
18) T n-Dotriacontane (C32)	18.846	2967248	22.267 ug/ml
19) T n-Tetratriacontane (C34)	19.628	2734292	22.129 ug/ml
20) T n-Hexatriacontane (C36)	20.368	2470292	22.265 ug/ml
21) T n-Octatriacontane (C38)	21.093	2317223	21.012 ug/ml
22) T n-Tetracontane (C40)	21.983	2128774	19.563 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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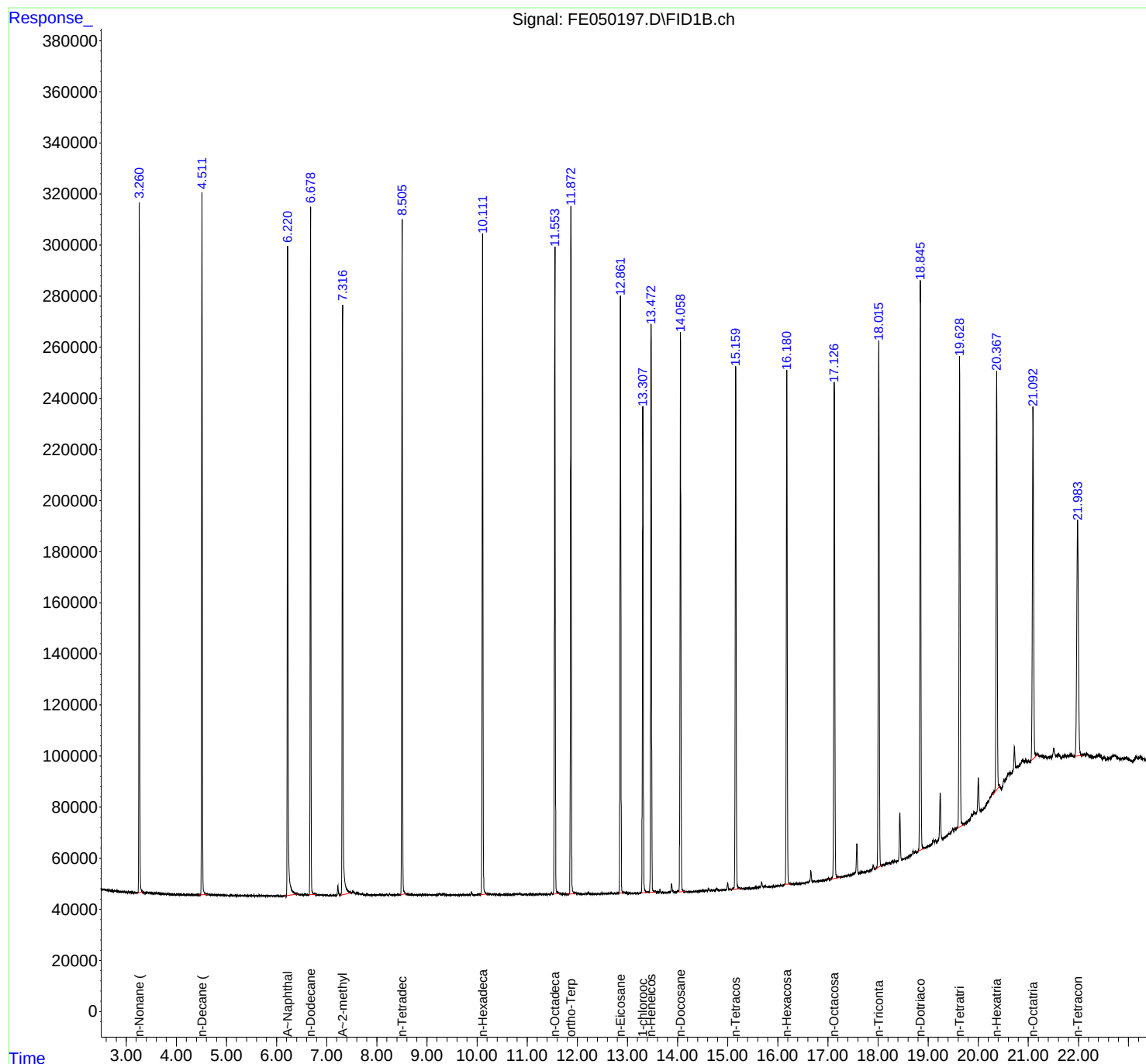
Instrument :
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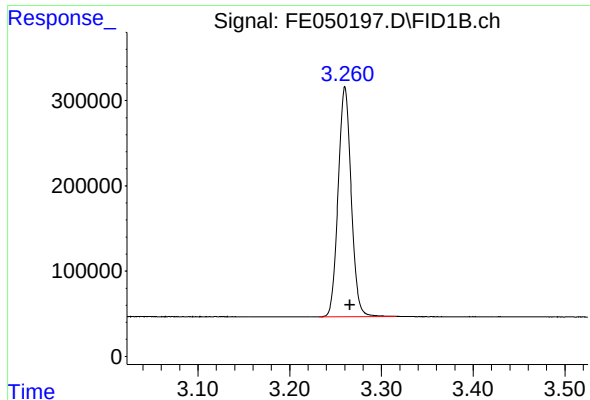
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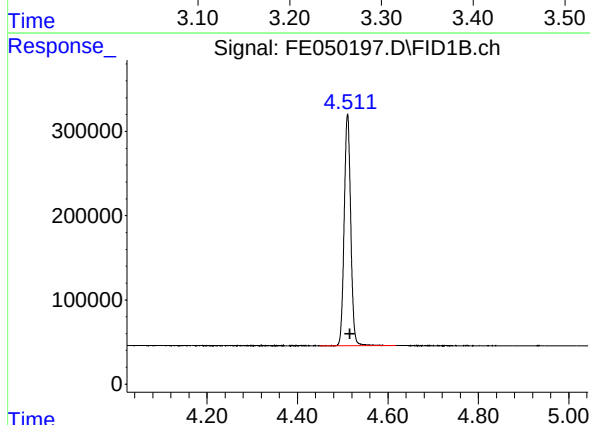
#1 n-Nonane (C9)

R.T.: 3.260 min
Delta R.T.: -0.006 min
Response: 2664009
Conc: 19.65 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

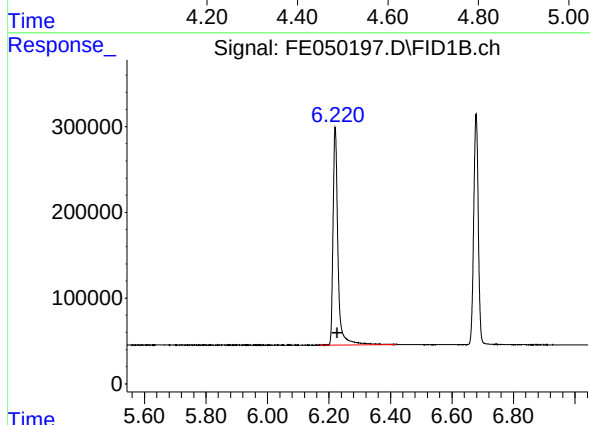
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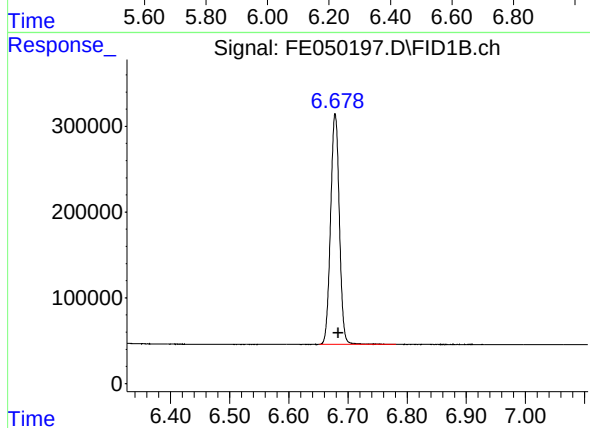
#2 n-Decane (C10)

R.T.: 4.511 min
Delta R.T.: -0.006 min
Response: 2758905
Conc: 19.99 ug/ml



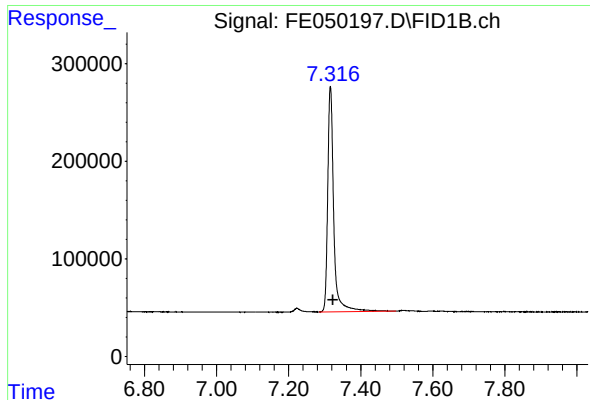
#3 A~Naphthalene (C11.7)

R.T.: 6.220 min
Delta R.T.: -0.007 min
Response: 2821335
Conc: 20.16 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.678 min
Delta R.T.: -0.005 min
Response: 2772432
Conc: 20.05 ug/ml



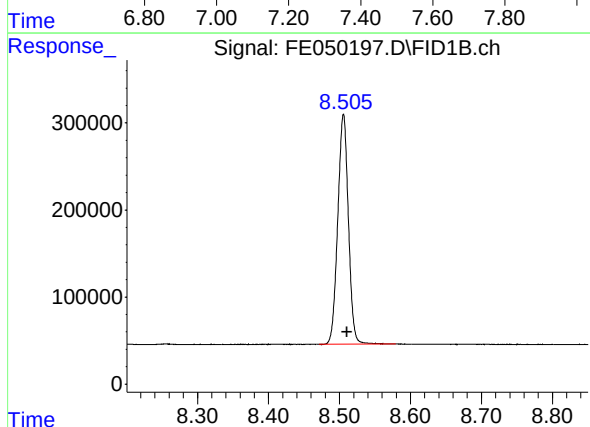
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.316 min
Delta R.T.: -0.007 min
Response: 2658085
Conc: 20.22 ug/ml

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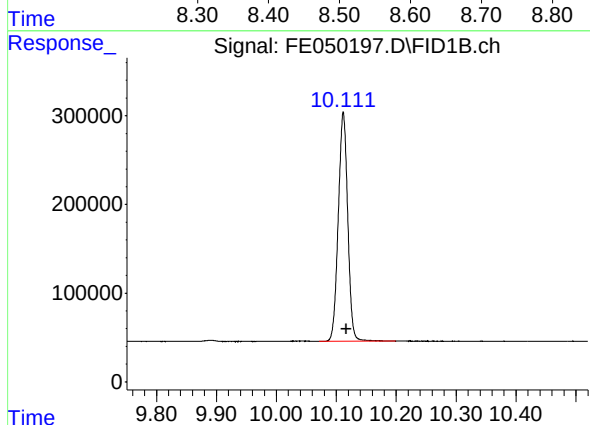
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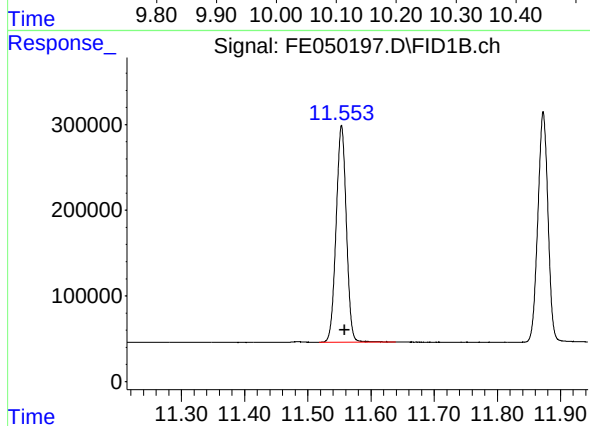
#6 n-Tetradecane (C14)

R.T.: 8.506 min
Delta R.T.: -0.005 min
Response: 2745920
Conc: 20.17 ug/ml



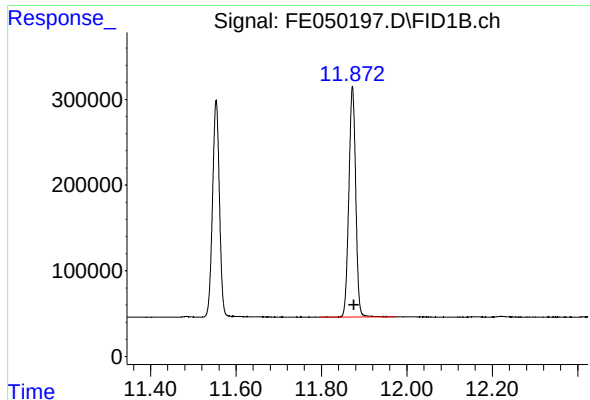
#7 n-Hexadecane (C16)

R.T.: 10.112 min
Delta R.T.: -0.005 min
Response: 2823176
Conc: 20.32 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.554 min
Delta R.T.: -0.005 min
Response: 2844308
Conc: 20.30 ug/ml



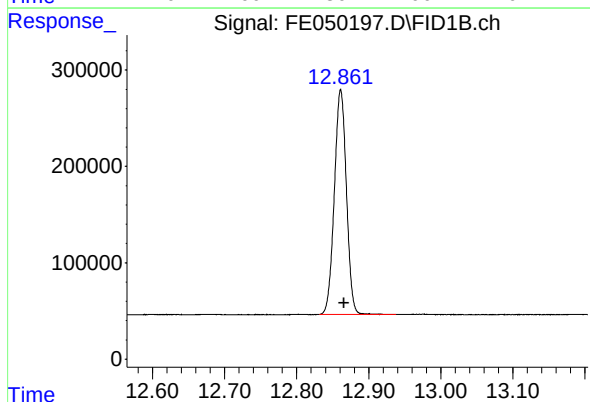
#9 ortho-Terphenyl (SURR)

R.T.: 11.873 min
Delta R.T.: -0.004 min
Response: 3003259
Conc: 20.19 ug/ml

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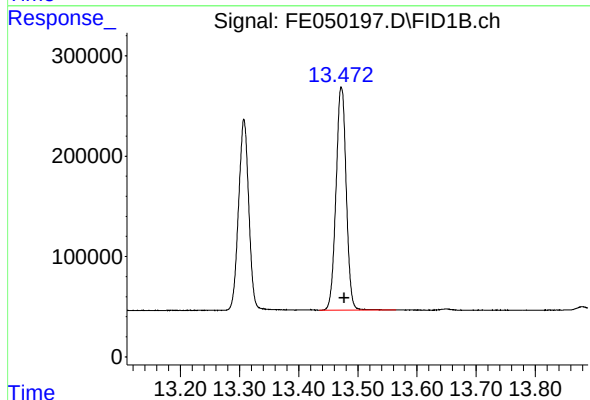
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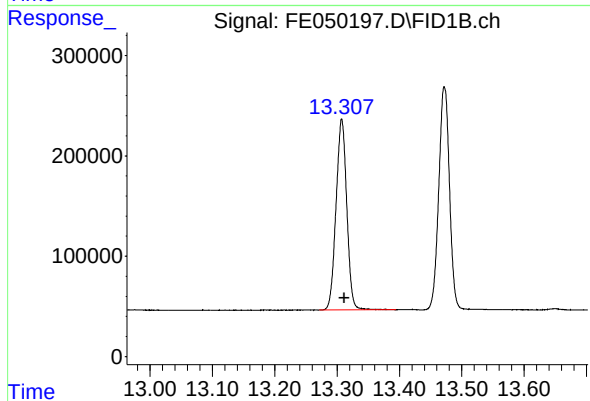
#10 n-Eicosane (C20)

R.T.: 12.861 min
Delta R.T.: -0.005 min
Response: 2716425
Conc: 20.25 ug/ml



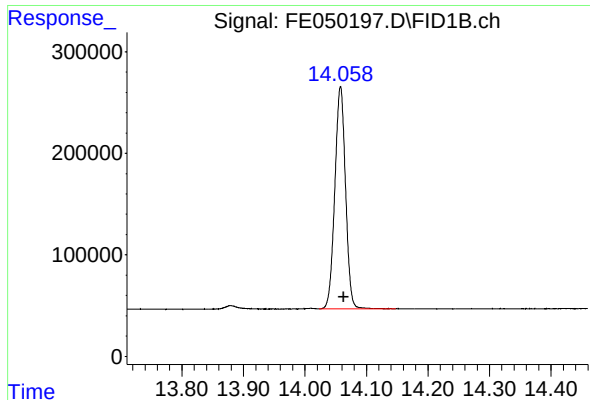
#11 n-Heneicosane (C21)

R.T.: 13.472 min
Delta R.T.: -0.005 min
Response: 2665130
Conc: 20.28 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.307 min
Delta R.T.: -0.004 min
Response: 2280132
Conc: 20.30 ug/ml



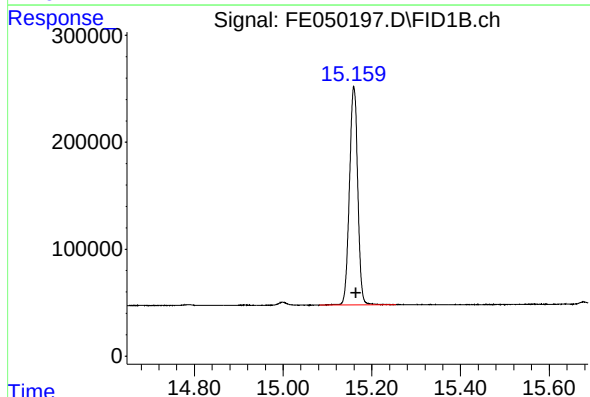
#13 n-Docosane (C22)

R.T.: 14.058 min
Delta R.T.: -0.005 min
Response: 2646678
Conc: 20.33 ug/ml

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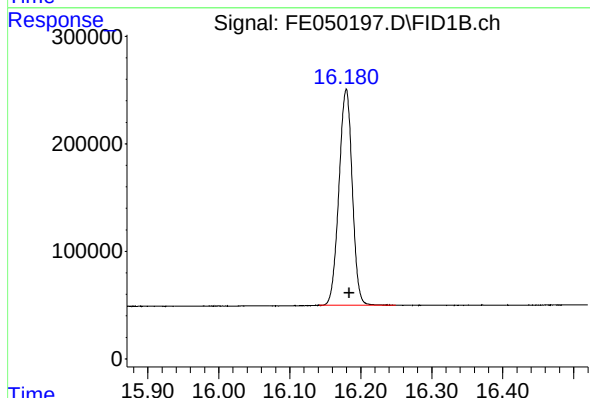
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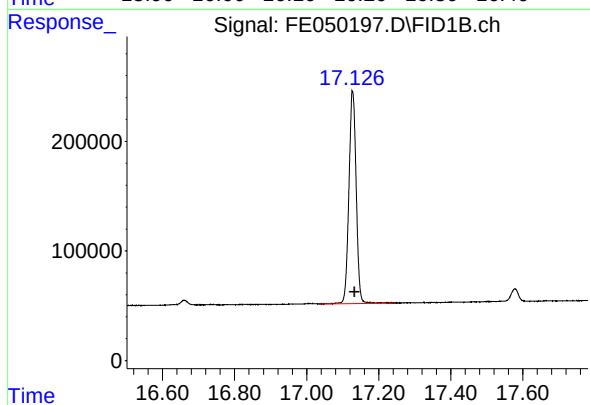
#14 n-Tetracosane (C24)

R.T.: 15.160 min
Delta R.T.: -0.005 min
Response: 2652815
Conc: 20.31 ug/ml



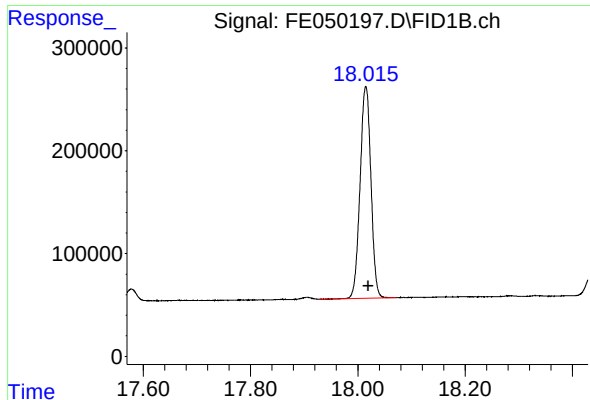
#15 n-Hexacosane (C26)

R.T.: 16.179 min
Delta R.T.: -0.004 min
Response: 2617867
Conc: 20.46 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.128 min
Delta R.T.: -0.005 min
Response: 2705361
Conc: 21.00 ug/ml



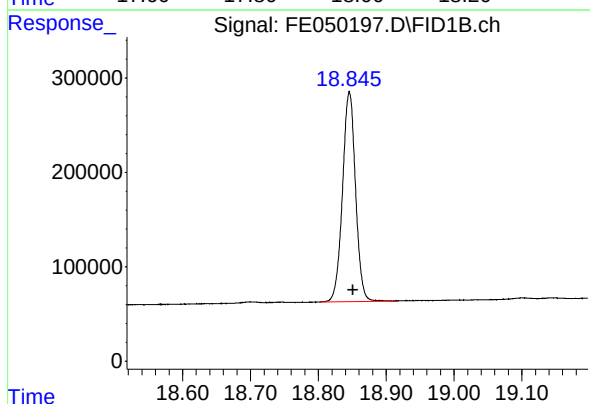
#17 n-Tricontane (C30)

R.T.: 18.015 min
Delta R.T.: -0.005 min
Response: 2889399
Conc: 21.61 ug/ml

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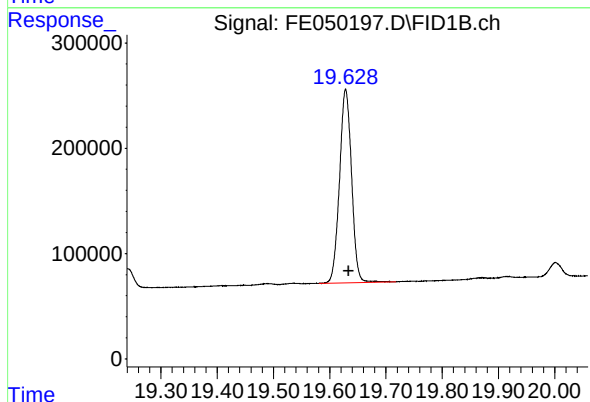
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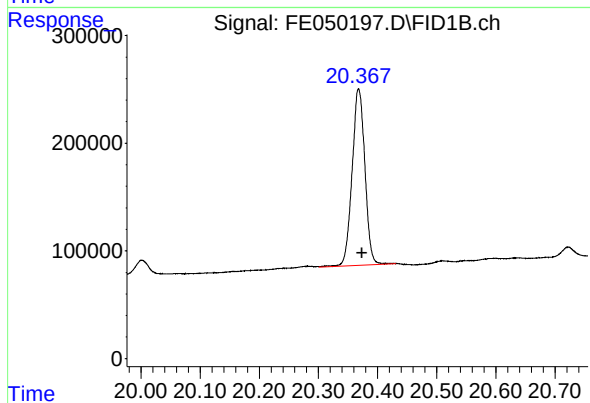
#18 n-Dotriacontane (C32)

R.T.: 18.846 min
Delta R.T.: -0.005 min
Response: 2967248
Conc: 22.27 ug/ml



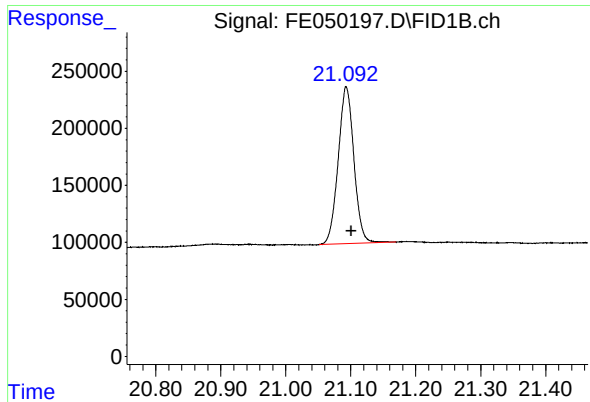
#19 n-Tetratriacontane (C34)

R.T.: 19.628 min
Delta R.T.: -0.005 min
Response: 2734292
Conc: 22.13 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.368 min
Delta R.T.: -0.006 min
Response: 2470292
Conc: 22.26 ug/ml



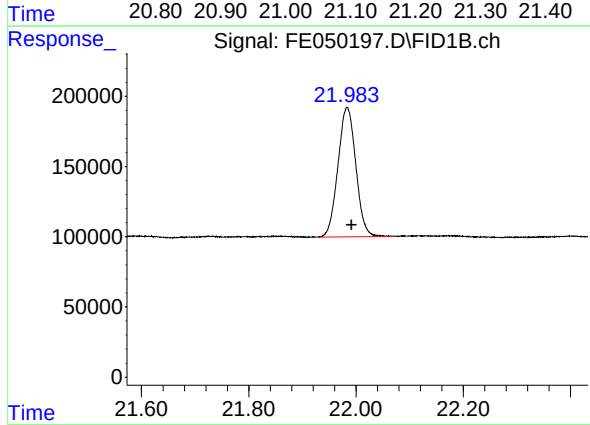
#21 n-Octatriacontane (C38)

R.T.: 21.093 min
Delta R.T.: -0.008 min
Response: 2317223
Conc: 21.01 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.983 min
Delta R.T.: -0.009 min
Response: 2128774
Conc: 19.56 ug/ml