

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE012725AL\
 Data File : FE052102.D
 Signal(s) : FID1B.ch
 Acq On : 27 Jan 2025 18:20
 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 01/28/2025
 Supervised By :Ankita Jodhani 01/28/2025

Integration File: autoint1.e
 Quant Time: Jan 28 02:04:25 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)	12.195	2699185	18.885 ug/ml
Spiked Amount 50.000		Recovery =	37.77%
12) S 1-chlorooctadecane (S...	13.610	2096267	18.274 ug/ml
Spiked Amount 50.000		Recovery =	36.55%
Target Compounds			
1) T n-Nonane (C9)	3.677	2010757	18.860 ug/ml
2) T n-Decane (C10)	4.904	2133792	19.490 ug/ml
3) T A~Naphthalene (C11.7)	6.598	2423940	19.947 ug/ml
4) T n-Dodecane (C12)	7.031	2235083	19.803 ug/ml
5) T A~2-methylnaphthalene...	7.676	2401150	20.113 ug/ml
6) T n-Tetradecane (C14)	8.837	2304560	19.814 ug/ml
7) T n-Hexadecane (C16)	10.430	2444983	19.386 ug/ml
8) T n-Octadecane (C18)	11.863	2514004	19.001 ug/ml
10) T n-Eicosane (C20)	13.165	2470767	18.847 ug/mlm
11) T n-Heneicosane (C21)	13.773	2406118	18.486 ug/ml
13) T n-Docosane (C22)	14.357	2508581	19.115 ug/ml
14) T n-Tetracosane (C24)	15.454	2697365	20.307 ug/ml
15) T n-Hexacosane (C26)	16.470	2800931	21.189 ug/ml
16) T n-Octacosane (C28)	17.417	2885237	21.860 ug/ml
17) T n-Tricontane (C30)	18.302	3034241	22.255 ug/ml
18) T n-Dotriacontane (C32)	19.132	2917090	22.259 ug/ml
19) T n-Tetratriacontane (C34)	19.913	2386338	21.196 ug/mlm
20) T n-Hexatriacontane (C36)	20.653	1978406	20.829 ug/ml
21) T n-Octatriacontane (C38)	21.436	1861078	21.545 ug/mlm
22) T n-Tetracontane (C40)	22.435	1866176	22.645 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 3 Sample Multiplier: 1

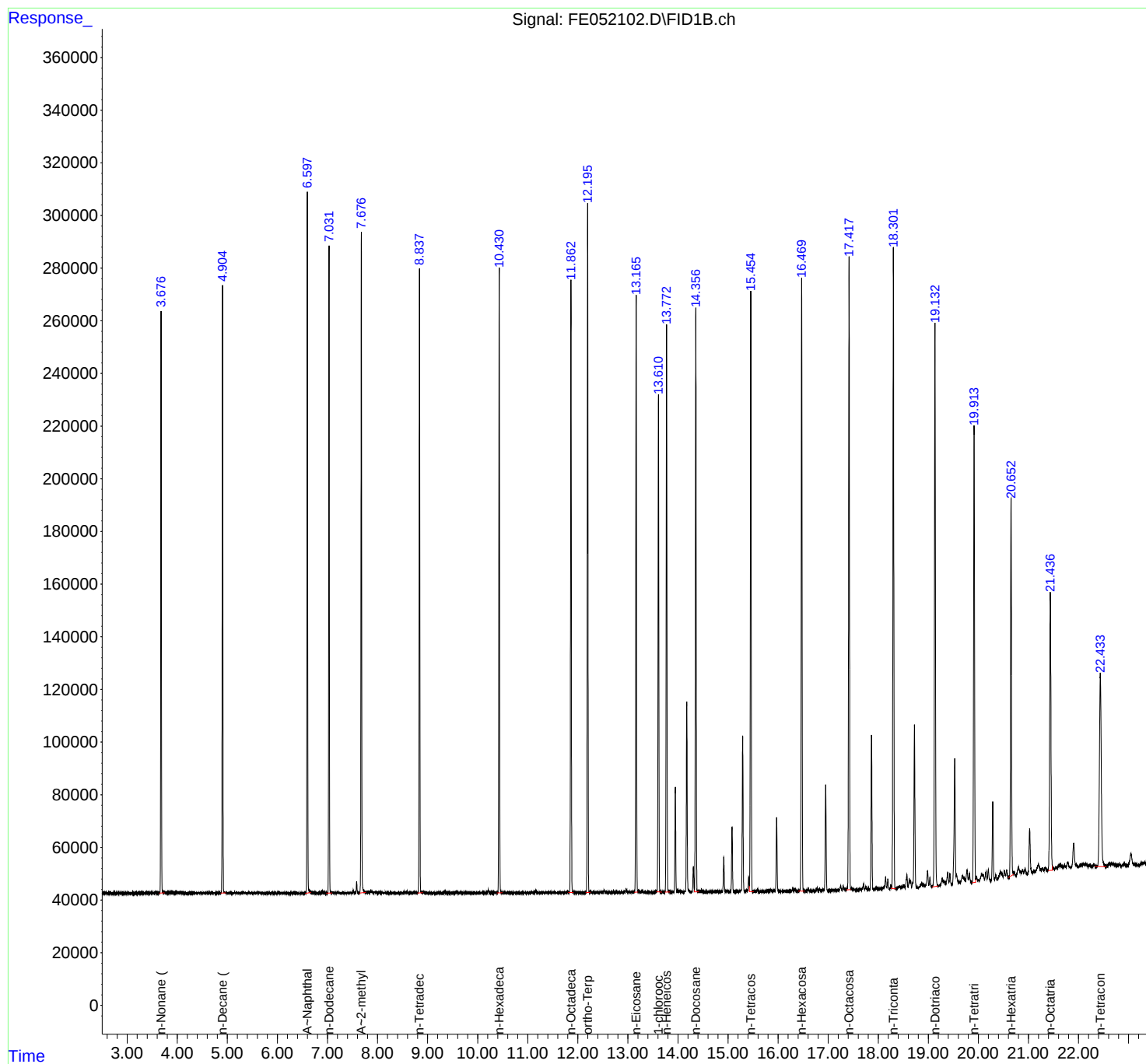
Instrument :
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20 PPM ALIPHATIC HC STD

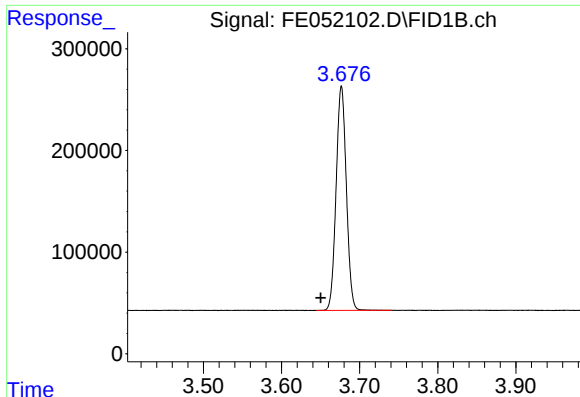
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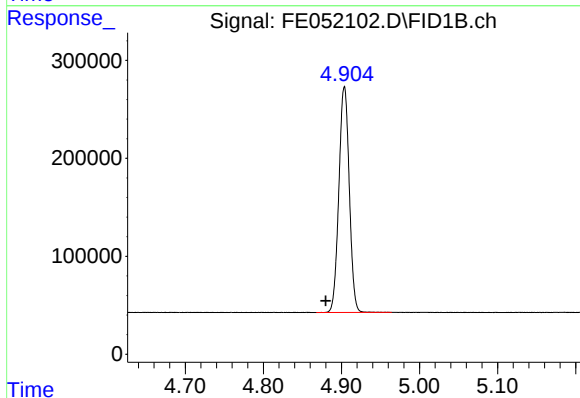
#1 n-Nonane (C9)

R.T.: 3.677 min
Delta R.T.: 0.027 min
Response: 2010757
Conc: 18.86 ug/ml

Instrument : FID_E
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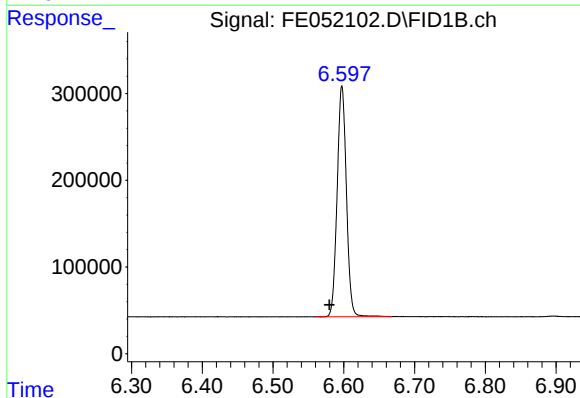
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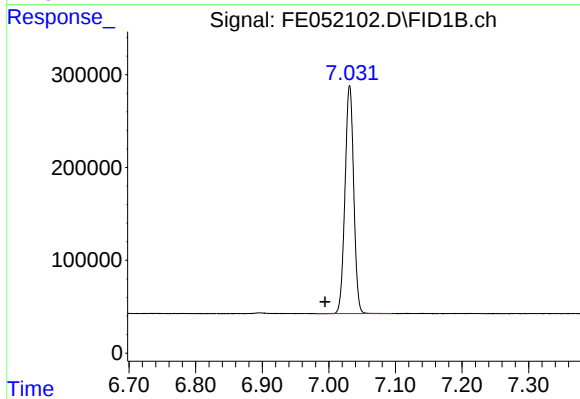
#2 n-Decane (C10)

R.T.: 4.904 min
Delta R.T.: 0.024 min
Response: 2133792
Conc: 19.49 ug/ml



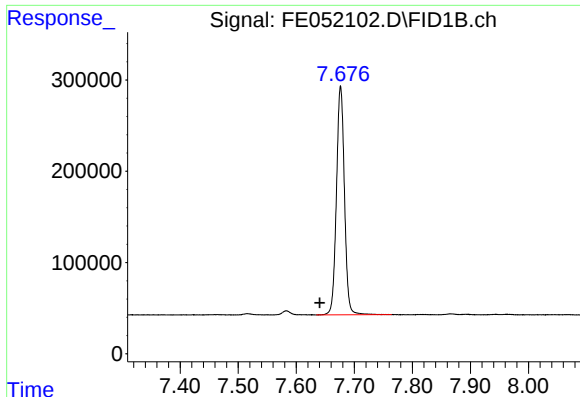
#3 A~Naphthalene (C11.7)

R.T.: 6.598 min
Delta R.T.: 0.018 min
Response: 2423940
Conc: 19.95 ug/ml



#4 n-Dodecane (C12)

R.T.: 7.031 min
Delta R.T.: 0.037 min
Response: 2235083
Conc: 19.80 ug/ml



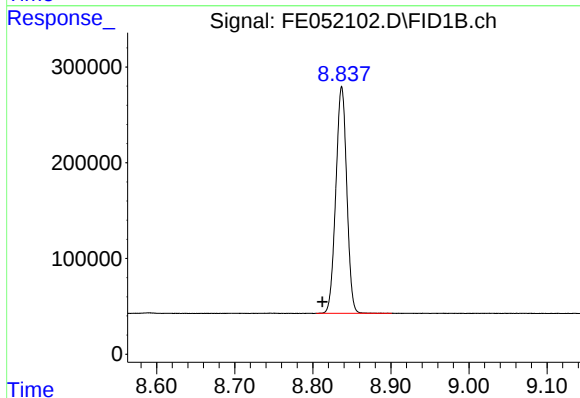
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.676 min
Delta R.T.: 0.036 min
Response: 2401150
Conc: 20.11 ug/ml

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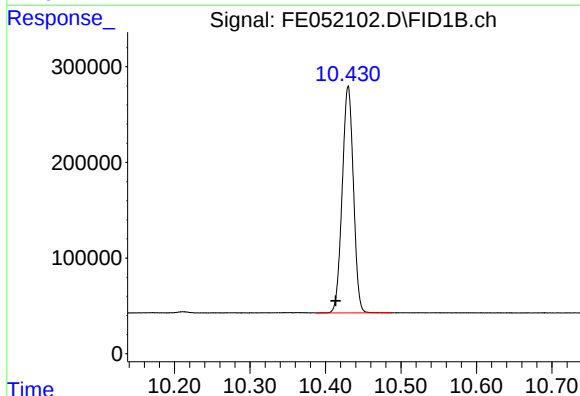
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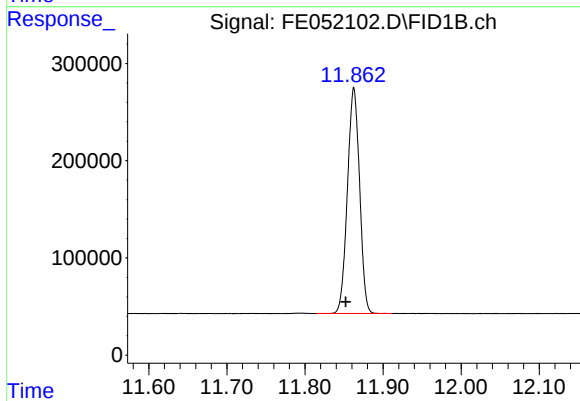
#6 n-Tetradecane (C14)

R.T.: 8.837 min
Delta R.T.: 0.025 min
Response: 2304560
Conc: 19.81 ug/ml



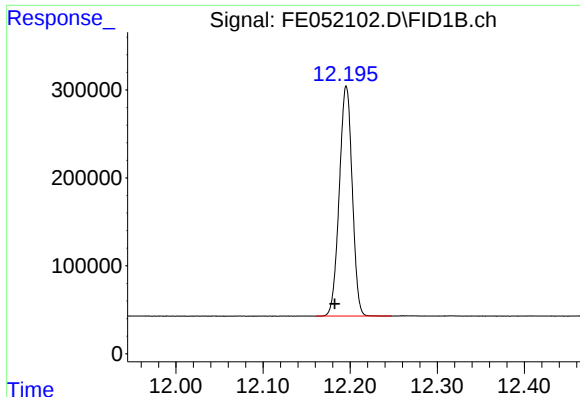
#7 n-Hexadecane (C16)

R.T.: 10.430 min
Delta R.T.: 0.017 min
Response: 2444983
Conc: 19.39 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.863 min
Delta R.T.: 0.010 min
Response: 2514004
Conc: 19.00 ug/ml



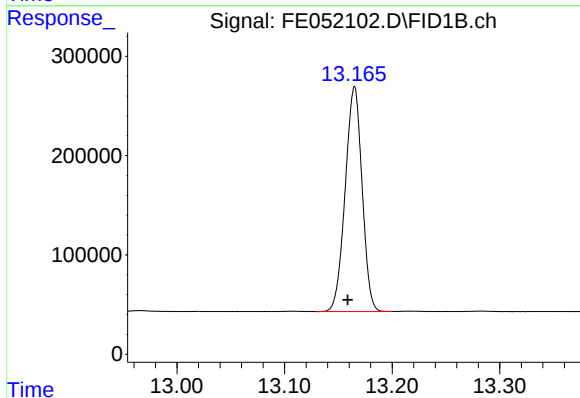
#9 ortho-Terphenyl (SURR)

R.T.: 12.195 min
Delta R.T.: 0.013 min
Response: 2699185
Conc: 18.89 ug/ml

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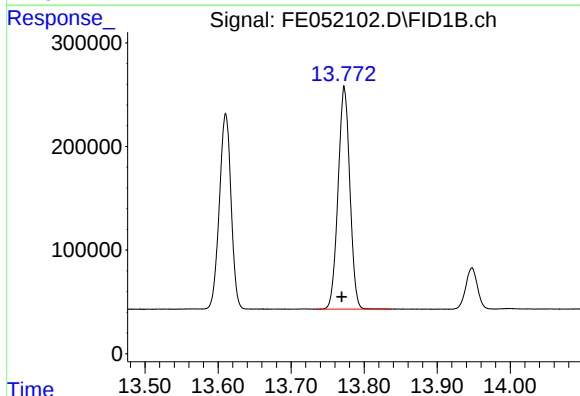
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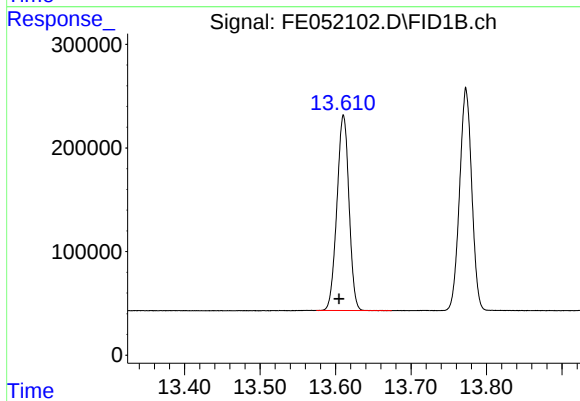
#10 n-Eicosane (C20)

R.T.: 13.165 min
Delta R.T.: 0.006 min
Response: 2470767
Conc: 18.85 ug/ml m



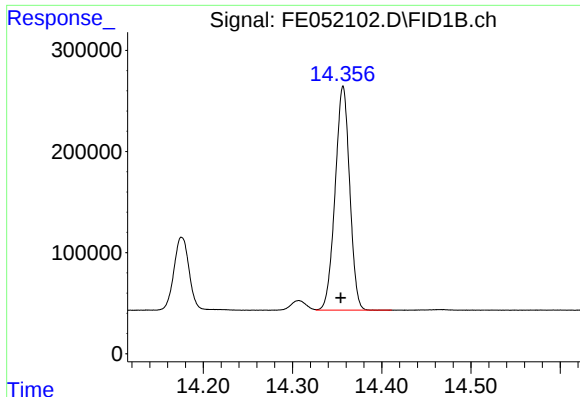
#11 n-Heneicosane (C21)

R.T.: 13.773 min
Delta R.T.: 0.003 min
Response: 2406118
Conc: 18.49 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.610 min
Delta R.T.: 0.006 min
Response: 2096267
Conc: 18.27 ug/ml



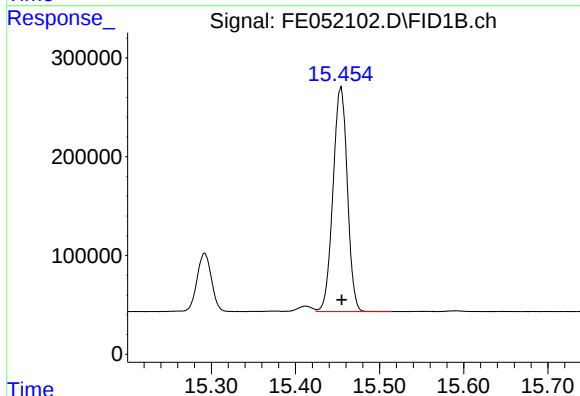
#13 n-Docosane (C22)

R.T.: 14.357 min
Delta R.T.: 0.002 min
Response: 2508581
Conc: 19.12 ug/ml

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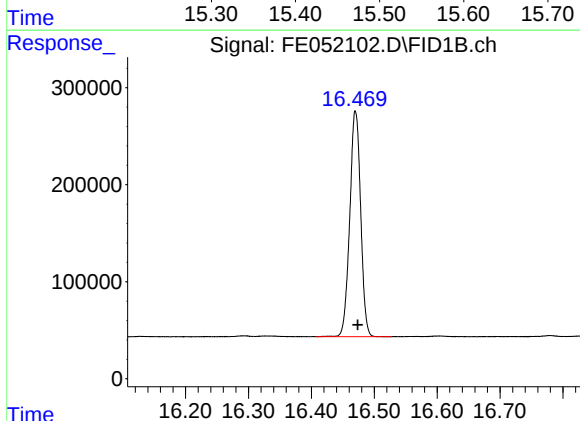
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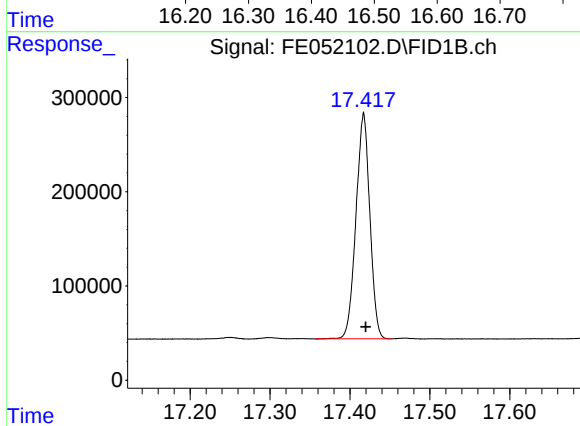
#14 n-Tetracosane (C24)

R.T.: 15.454 min
Delta R.T.: -0.001 min
Response: 2697365
Conc: 20.31 ug/ml



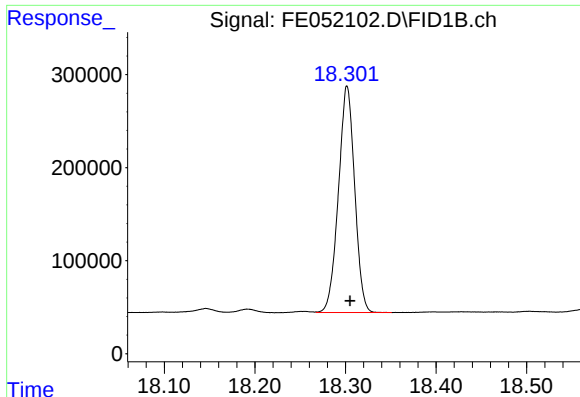
#15 n-Hexacosane (C26)

R.T.: 16.470 min
Delta R.T.: -0.004 min
Response: 2800931
Conc: 21.19 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.417 min
Delta R.T.: -0.003 min
Response: 2885237
Conc: 21.86 ug/ml



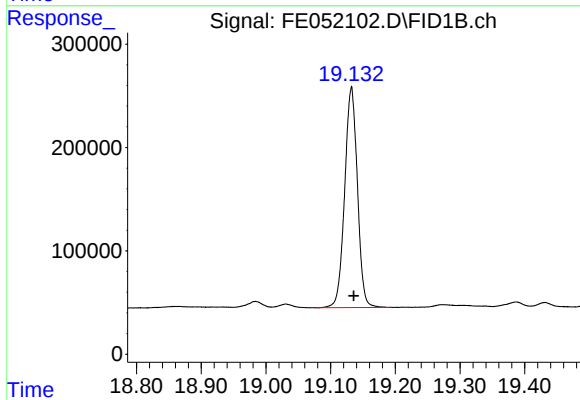
#17 n-Tricontane (C30)

R.T.: 18.302 min
Delta R.T.: -0.003 min
Response: 3034241
Conc: 22.25 ug/ml

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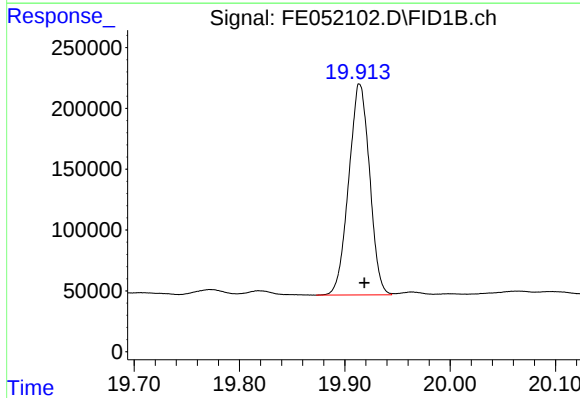
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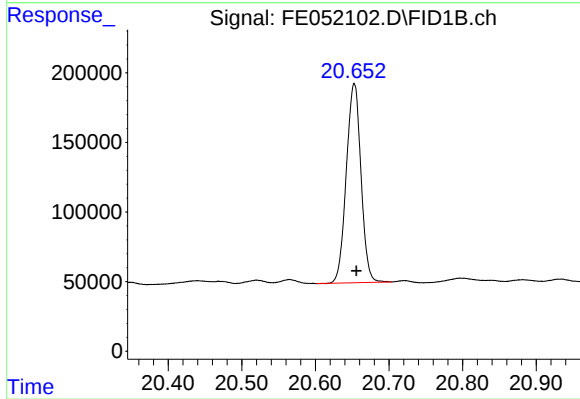
#18 n-Dotriacontane (C32)

R.T.: 19.132 min
Delta R.T.: -0.004 min
Response: 2917090
Conc: 22.26 ug/ml



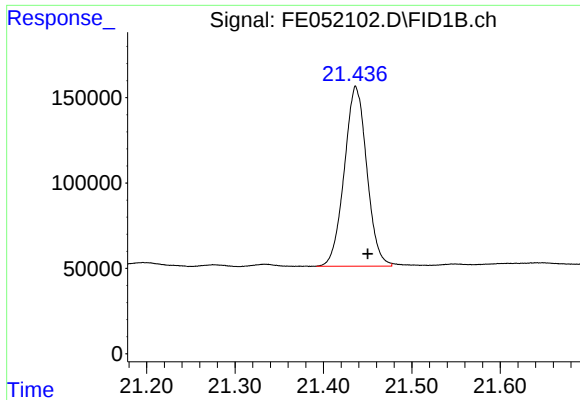
#19 n-Tetratriacontane (C34)

R.T.: 19.913 min
Delta R.T.: -0.006 min
Response: 2386338
Conc: 21.20 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.653 min
Delta R.T.: -0.003 min
Response: 1978406
Conc: 20.83 ug/ml



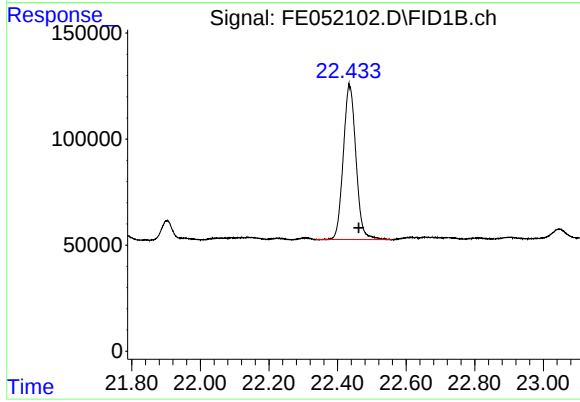
#21 n-Octatriacontane (C38)

R.T.: 21.436 min
Delta R.T.: -0.014 min
Response: 1861078
Conc: 21.54 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.435 min
Delta R.T.: -0.027 min
Response: 1866176
Conc: 22.64 ug/ml