

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE060325AL\
 Data File : FE054167.D
 Signal(s) : FID1B.ch
 Acq On : 03 Jun 2025 23:27
 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 06/04/2025
 Supervised By :mohammad ahmed 06/05/2025

Integration File: autoint1.e
 Quant Time: Jun 04 02:56:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051425.M
 Quant Title : GC Extractables
 QLast Update : Wed May 14 12:15:41 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)	11.837	3069951	18.891 ug/ml
Spiked Amount 50.000		Recovery =	37.78%
12) S 1-chlorooctadecane (S...	13.281	2315546	19.532 ug/ml
Spiked Amount 50.000		Recovery =	39.06%
Target Compounds			
1) T n-Nonane (C9)	3.183	2171005	16.063 ug/ml
2) T n-Decane (C10)	4.447	2251031	16.658 ug/ml
3) T A~Naphthalene (C11.7)	6.162	2534339	17.634 ug/ml
4) T n-Dodecane (C12)	6.629	2376037	17.419 ug/ml
5) T A~2-methylnaphthalene...	7.264	2500227	18.025 ug/ml
6) T n-Tetradecane (C14)	8.463	2423030	17.955 ug/ml
7) T n-Hexadecane (C16)	10.076	2513012	18.624 ug/ml
8) T n-Octadecane (C18)	11.523	2549604	18.934 ug/ml
10) T n-Eicosane (C20)	12.835	2525176	19.213 ug/ml
11) T n-Heneicosane (C21)	13.449	2497500	19.264 ug/ml
13) T n-Docosane (C22)	14.037	2506328	19.646 ug/ml
14) T n-Tetracosane (C24)	15.142	2523628	20.170 ug/mlm
15) T n-Hexacosane (C26)	16.165	2515878	20.546 ug/ml
16) T n-Octacosane (C28)	17.117	2489923	20.482 ug/ml
17) T n-Tricontane (C30)	18.007	2531642	20.324 ug/ml
18) T n-Dotriacontane (C32)	18.840	2510220	20.073 ug/ml
19) T n-Tetratriacontane (C34)	19.625	2319201	19.469 ug/ml
20) T n-Hexatriacontane (C36)	20.366	2135575	18.444 ug/ml
21) T n-Octatriacontane (C38)	21.095	1966169	18.067 ug/ml
22) T n-Tetracontane (C40)	21.987	1895864	19.106 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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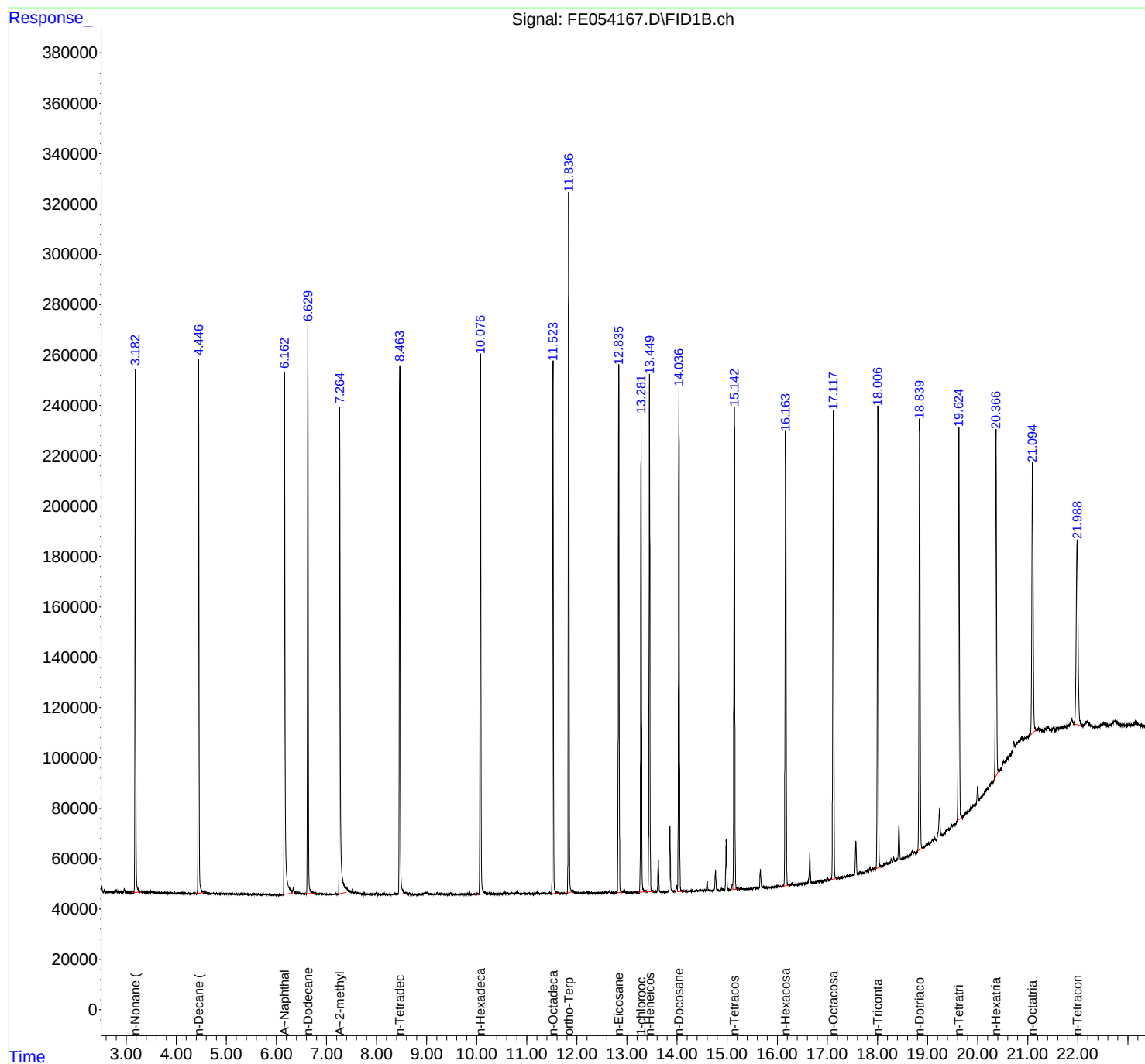
Instrument :
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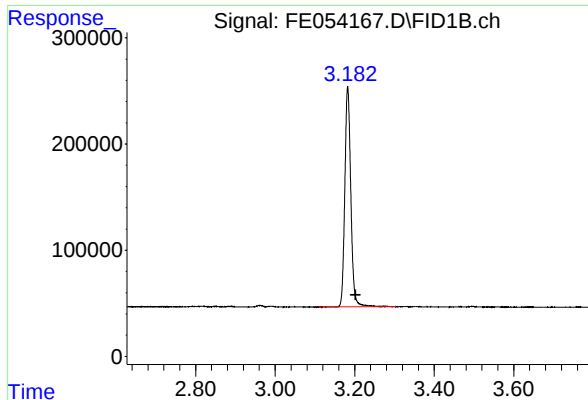
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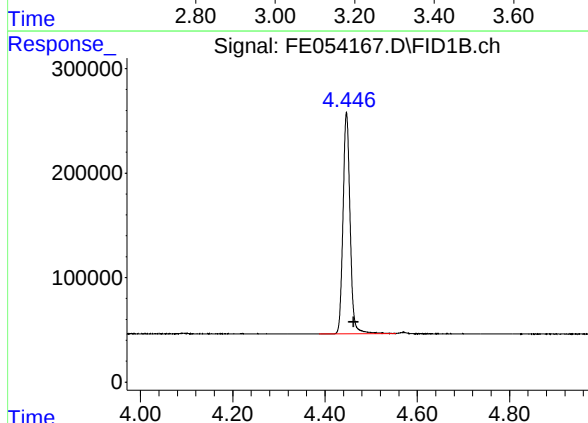
#1 n-Nonane (C9)

R.T.: 3.183 min
Delta R.T.: -0.019 min
Response: 2171005
Conc: 16.06 ug/ml

Instrument :
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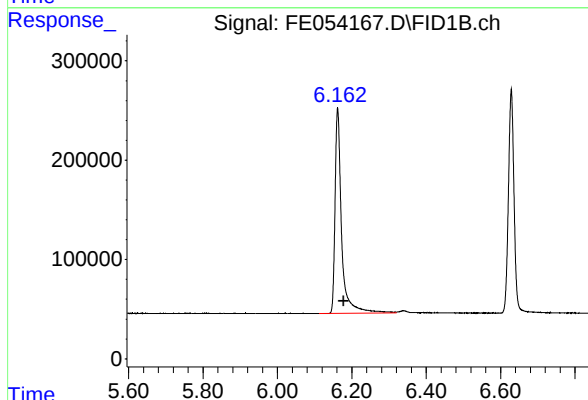
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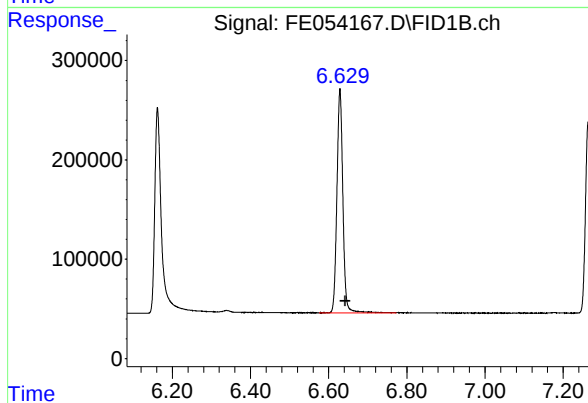
#2 n-Decane (C10)

R.T.: 4.447 min
Delta R.T.: -0.016 min
Response: 2251031
Conc: 16.66 ug/ml



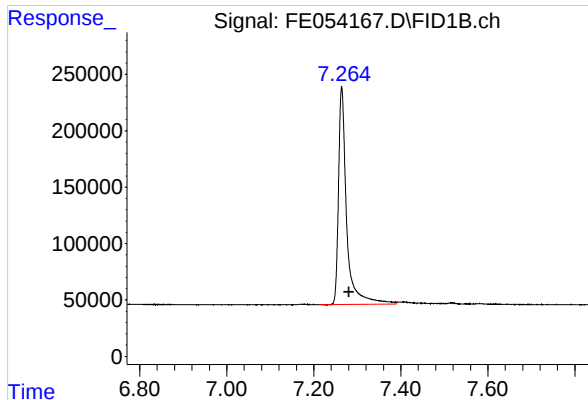
#3 A~Naphthalene (C11.7)

R.T.: 6.162 min
Delta R.T.: -0.016 min
Response: 2534339
Conc: 17.63 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.629 min
Delta R.T.: -0.013 min
Response: 2376037
Conc: 17.42 ug/ml



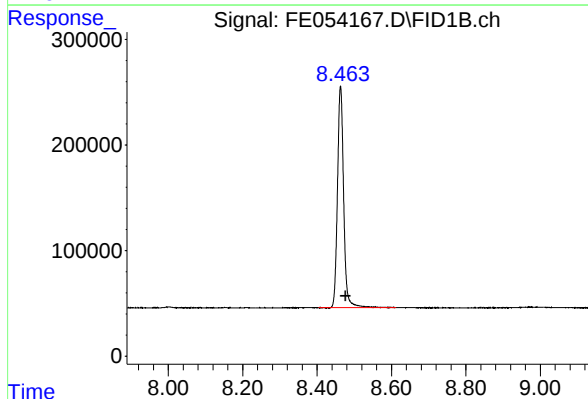
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.264 min
Delta R.T.: -0.016 min
Response: 2500227
Conc: 18.03 ug/ml

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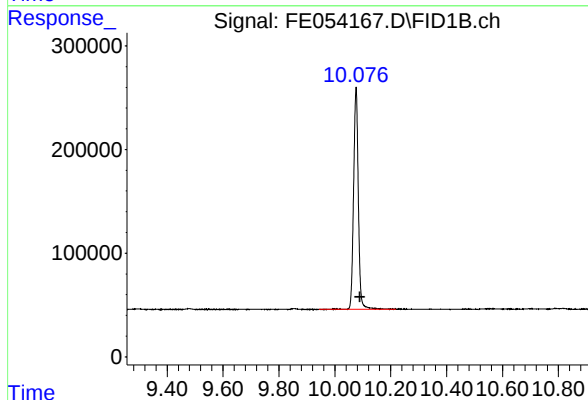
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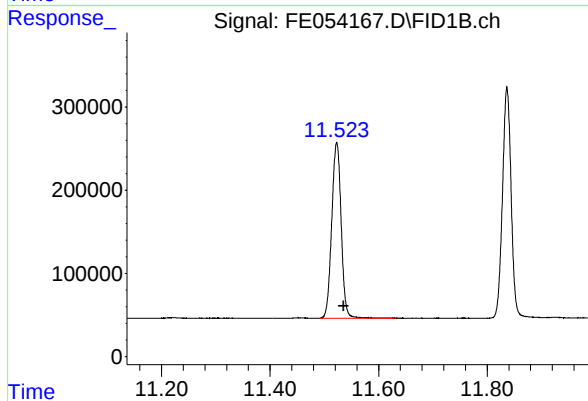
#6 n-Tetradecane (C14)

R.T.: 8.463 min
Delta R.T.: -0.014 min
Response: 2423030
Conc: 17.96 ug/ml



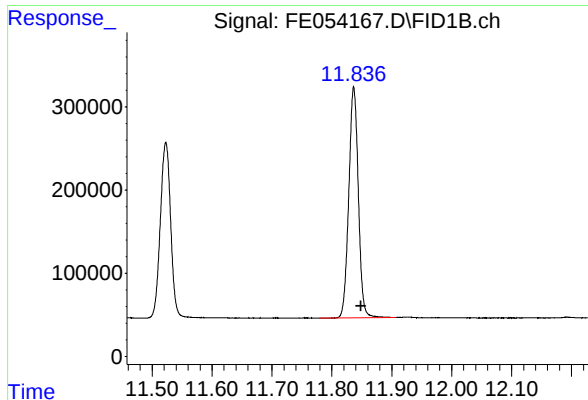
#7 n-Hexadecane (C16)

R.T.: 10.076 min
Delta R.T.: -0.014 min
Response: 2513012
Conc: 18.62 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.523 min
Delta R.T.: -0.013 min
Response: 2549604
Conc: 18.93 ug/ml



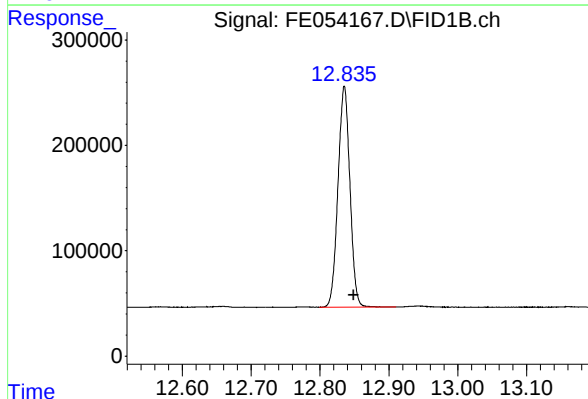
#9 ortho-Terphenyl (SURR)

R.T.: 11.837 min
Delta R.T.: -0.012 min
Response: 3069951
Conc: 18.89 ug/ml

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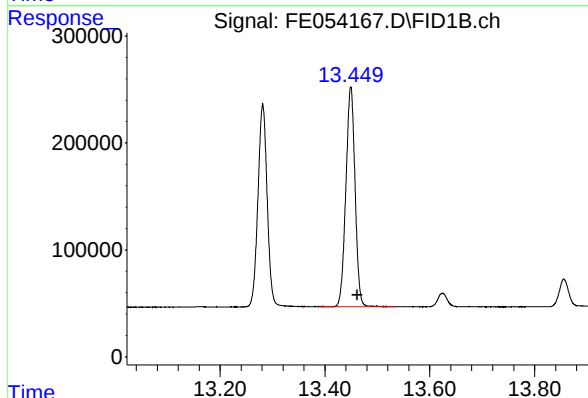
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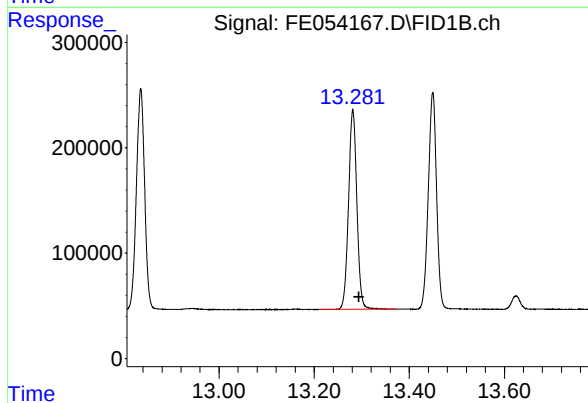
#10 n-Eicosane (C20)

R.T.: 12.835 min
Delta R.T.: -0.013 min
Response: 2525176
Conc: 19.21 ug/ml



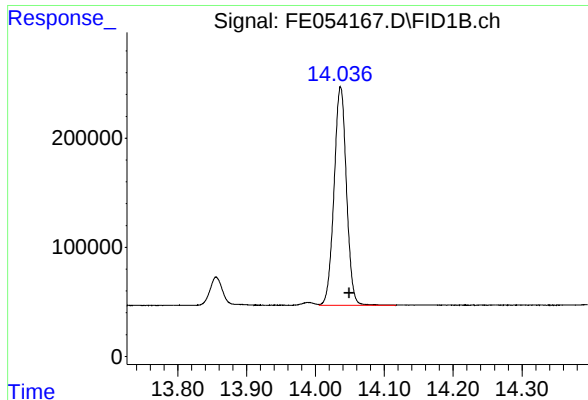
#11 n-Heneicosane (C21)

R.T.: 13.449 min
Delta R.T.: -0.013 min
Response: 2497500
Conc: 19.26 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.281 min
Delta R.T.: -0.013 min
Response: 2315546
Conc: 19.53 ug/ml



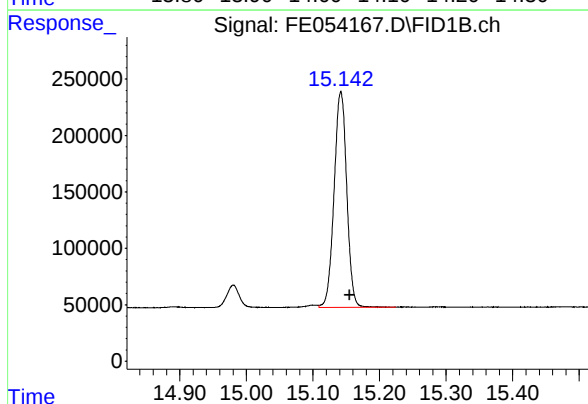
#13 n-Docosane (C22)

R.T.: 14.037 min
Delta R.T.: -0.013 min
Response: 2506328
Conc: 19.65 ug/ml

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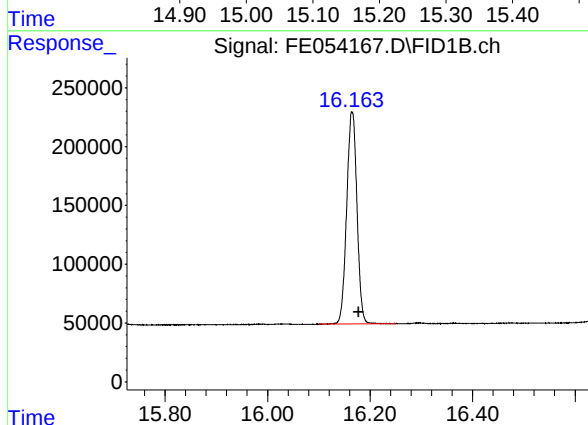
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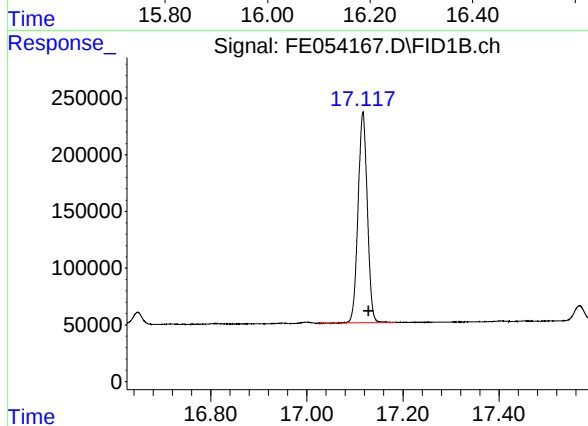
#14 n-Tetracosane (C24)

R.T.: 15.142 min
Delta R.T.: -0.013 min
Response: 2523628
Conc: 20.17 ug/ml m



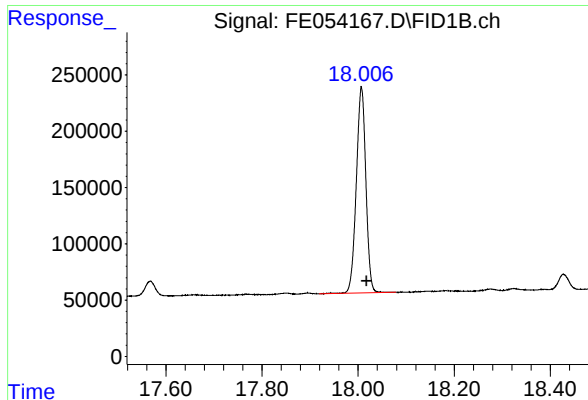
#15 n-Hexacosane (C26)

R.T.: 16.165 min
Delta R.T.: -0.013 min
Response: 2515878
Conc: 20.55 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.117 min
Delta R.T.: -0.012 min
Response: 2489923
Conc: 20.48 ug/ml



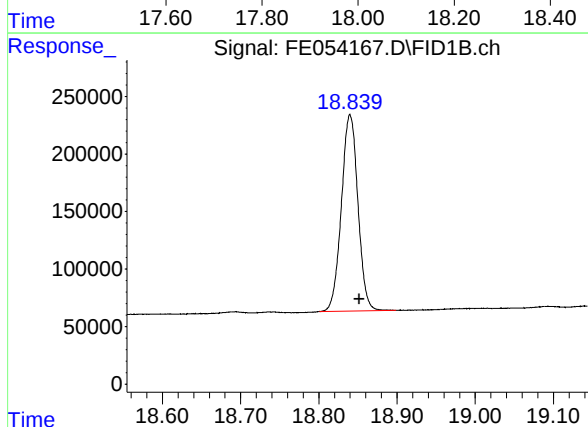
#17 n-Tricontane (C30)

R.T.: 18.007 min
Delta R.T.: -0.011 min
Response: 2531642
Conc: 20.32 ug/ml

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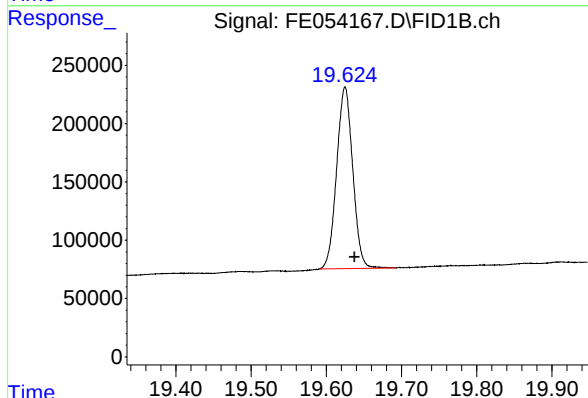
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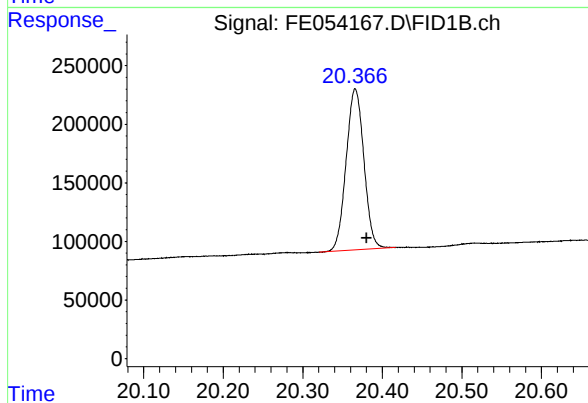
#18 n-Dotriacontane (C32)

R.T.: 18.840 min
Delta R.T.: -0.012 min
Response: 2510220
Conc: 20.07 ug/ml



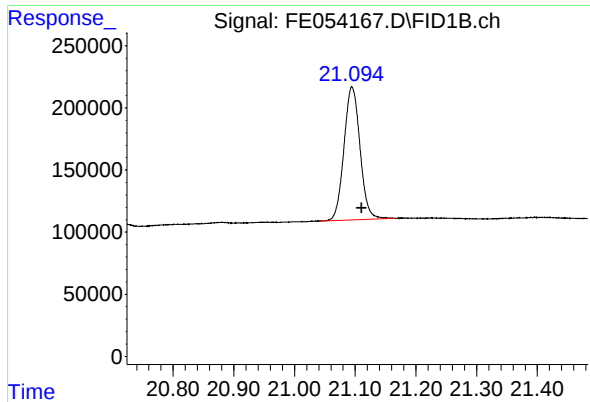
#19 n-Tetatriacontane (C34)

R.T.: 19.625 min
Delta R.T.: -0.013 min
Response: 2319201
Conc: 19.47 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.366 min
Delta R.T.: -0.014 min
Response: 2135575
Conc: 18.44 ug/ml



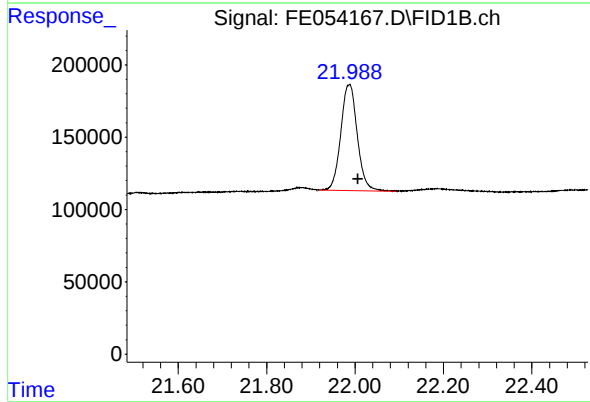
#21 n-Octatriacontane (C38)

R.T.: 21.095 min
Delta R.T.: -0.016 min
Response: 1966169
Conc: 18.07 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.987 min
Delta R.T.: -0.020 min
Response: 1895864
Conc: 19.11 ug/ml