

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE121322AL\
 Data File : FE039293.D
 Signal(s) : FID1B.ch
 Acq On : 13 Dec 2022 23:43
 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 12/14/2022
 Supervised By :Ankita Jodhani 12/14/2022

Integration File: sample.E
 Quant Time: Dec 14 02:17:30 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 111922.M
 Quant Title : GC Extractables
 QLast Update : Sat Nov 19 05:37:37 2022
 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)	11.943	3114524	19.909 ug/ml
Spiked Amount 50.000		Recovery =	39.82%
12) S 1-chlorooctadecane (S...	13.378	2415113	20.003 ug/ml
Spiked Amount 50.000		Recovery =	40.01%
Target Compounds			
1) T n-Nonane (C9)	3.334	2599288	18.337 ug/ml
2) T n-Decane (C10)	4.585	2559076	18.361 ug/ml
3) T A~Naphthalene (C11.7)	6.289	2972750	18.690 ug/ml
4) T n-Dodecane (C12)	6.748	2627259	18.638 ug/ml
5) T A~2-methylnaphthalene...	7.383	2819095	18.836 ug/ml
6) T n-Tetradecane (C14)	8.575	2703382	18.928 ug/ml
7) T n-Hexadecane (C16)	10.182	2820620	19.291 ug/ml
8) T n-Octadecane (C18)	11.624	2885478	19.609 ug/ml
10) T n-Eicosane (C20)	12.933	2825118	19.900 ug/ml
11) T n-Heneicosane (C21)	13.545	2827696	19.899 ug/ml
13) T n-Docosane (C22)	14.131	2808284	20.090 ug/ml
14) T n-Tetracosane (C24)	15.234	2784894	20.165 ug/ml
15) T n-Hexacosane (C26)	16.253	2716262	20.223 ug/ml
16) T n-Octacosane (C28)	17.205	2683282	20.206 ug/ml
17) T n-Tricontane (C30)	18.092	2652431	20.085 ug/ml
18) T n-Dotriacontane (C32)	18.926	2648172	19.856 ug/mlm
19) T n-Tetratriacontane (C34)	19.710	2653403	20.052 ug/ml
20) T n-Hexatriacontane (C36)	20.449	2534984	19.732 ug/ml
21) T n-Octatriacontane (C38)	21.187	2894039	22.086 ug/mlm
22) T n-Tetracontane (C40)	22.107	2717216	19.955 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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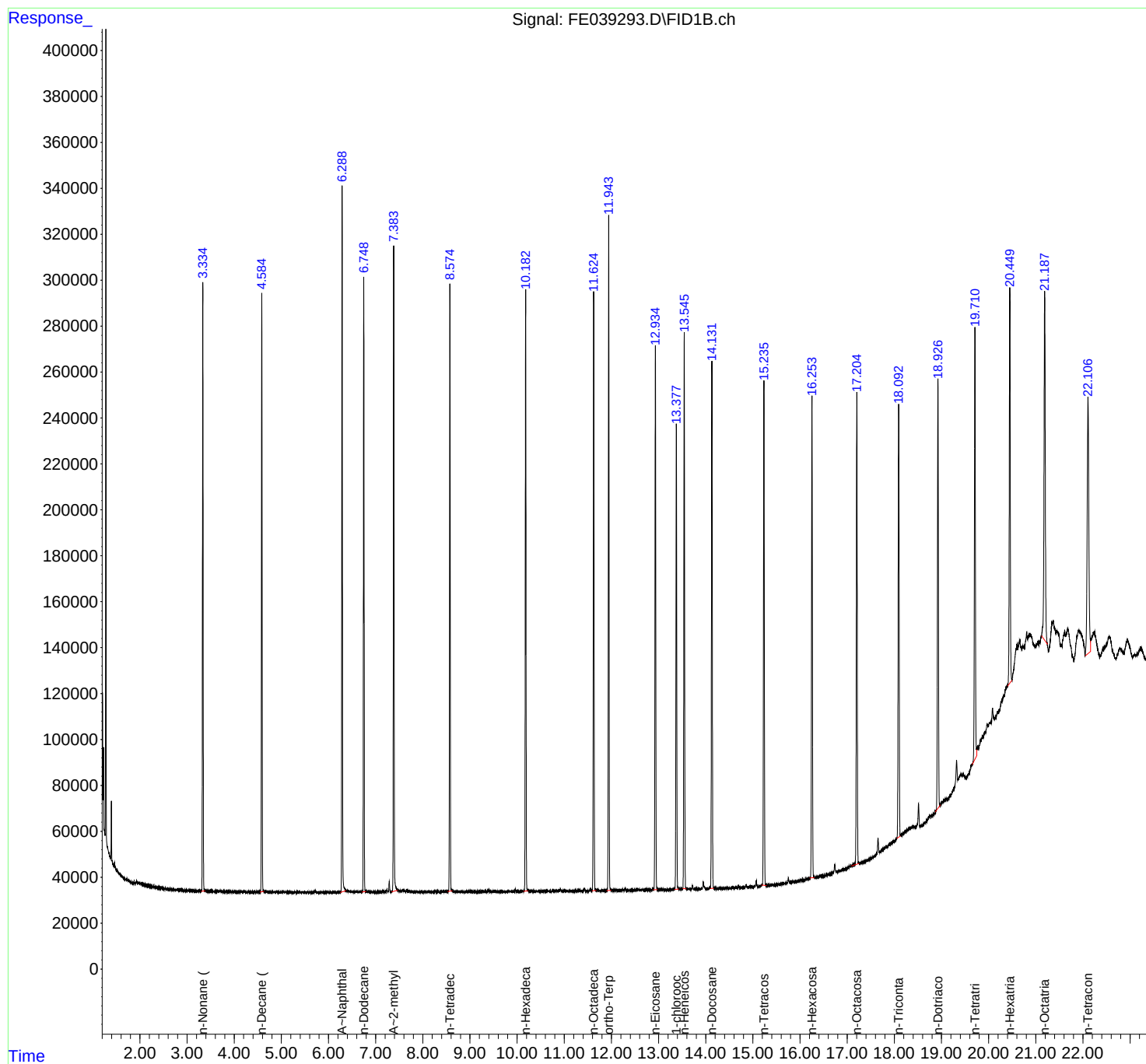
Instrument :
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20 PPM ALIPHATIC HC STD

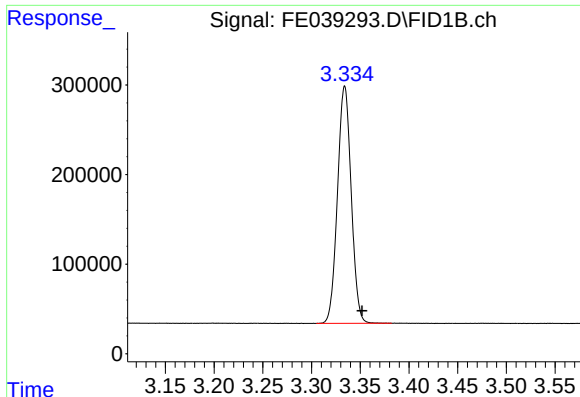
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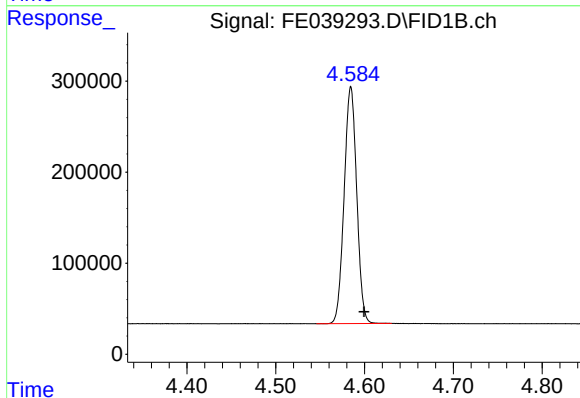
#1 n-Nonane (C9)

R.T.: 3.334 min
Delta R.T.: -0.018 min
Response: 2599288
Conc: 18.34 ug/ml

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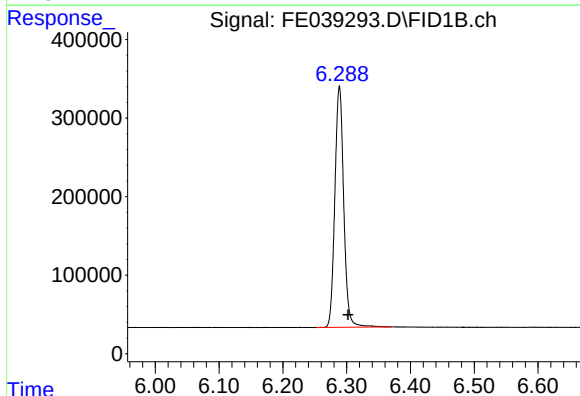
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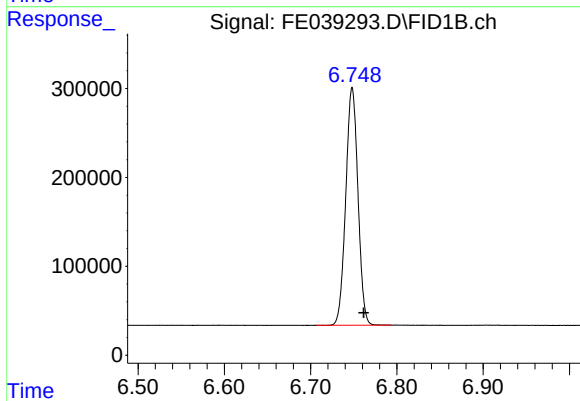
#2 n-Decane (C10)

R.T.: 4.585 min
Delta R.T.: -0.015 min
Response: 2559076
Conc: 18.36 ug/ml



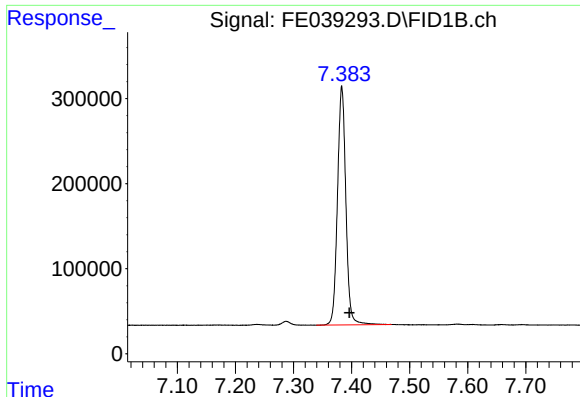
#3 A~Naphthalene (C11.7)

R.T.: 6.289 min
Delta R.T.: -0.014 min
Response: 2972750
Conc: 18.69 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.748 min
Delta R.T.: -0.013 min
Response: 2627259
Conc: 18.64 ug/ml



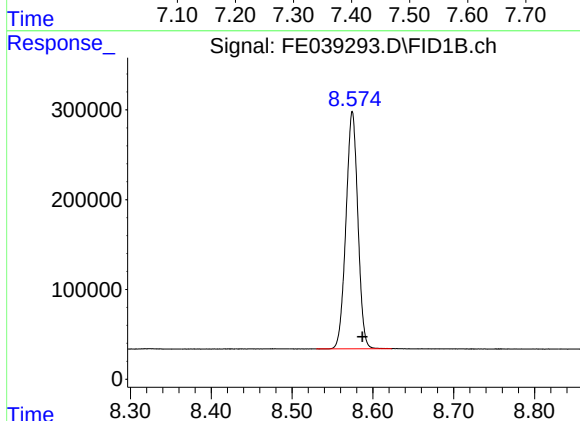
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.383 min
Delta R.T.: -0.013 min
Response: 2819095
Conc: 18.84 ug/ml

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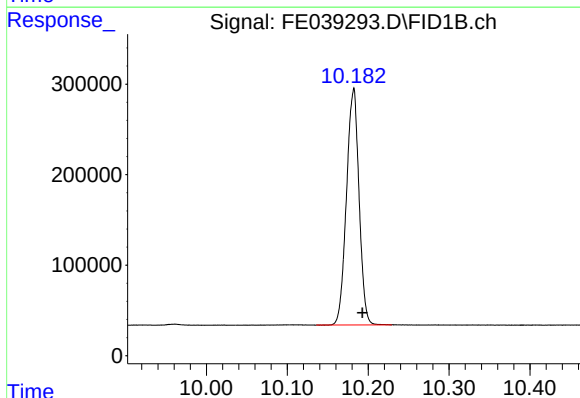
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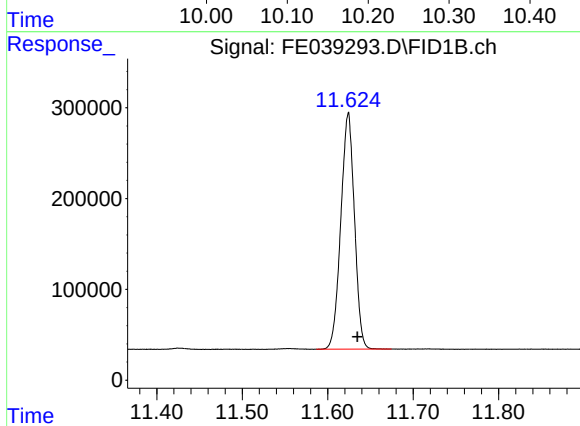
#6 n-Tetradecane (C14)

R.T.: 8.575 min
Delta R.T.: -0.012 min
Response: 2703382
Conc: 18.93 ug/ml



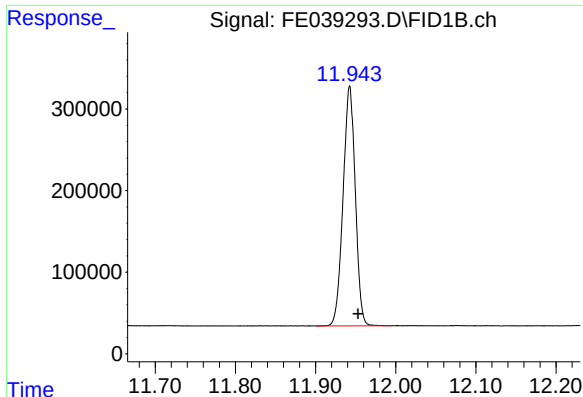
#7 n-Hexadecane (C16)

R.T.: 10.182 min
Delta R.T.: -0.011 min
Response: 2820620
Conc: 19.29 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.624 min
Delta R.T.: -0.011 min
Response: 2885478
Conc: 19.61 ug/ml



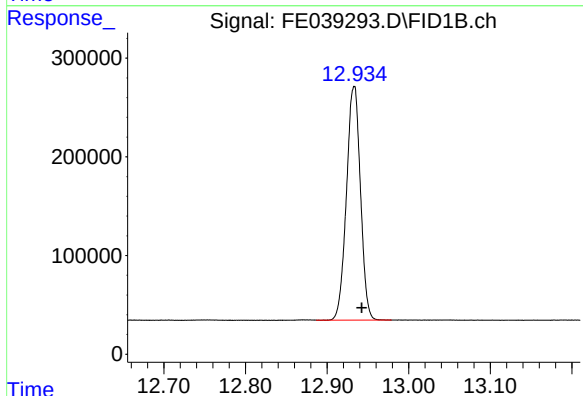
#9 ortho-Terphenyl (SURR)

R.T.: 11.943 min
Delta R.T.: -0.011 min
Response: 3114524
Conc: 19.91 ug/ml

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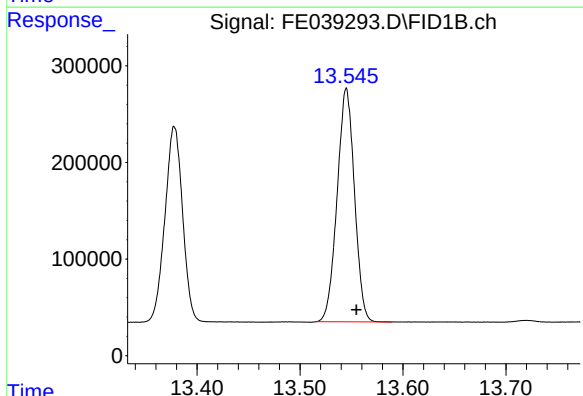
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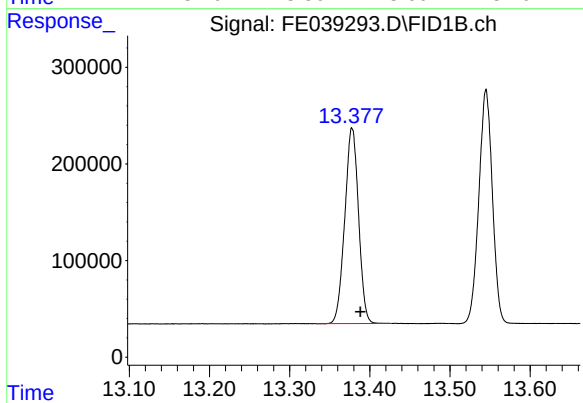
#10 n-Eicosane (C20)

R.T.: 12.933 min
Delta R.T.: -0.010 min
Response: 2825118
Conc: 19.90 ug/ml



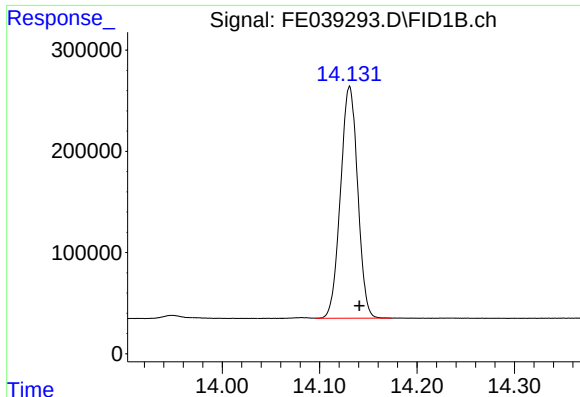
#11 n-Heneicosane (C21)

R.T.: 13.545 min
Delta R.T.: -0.010 min
Response: 2827696
Conc: 19.90 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.378 min
Delta R.T.: -0.010 min
Response: 2415113
Conc: 20.00 ug/ml



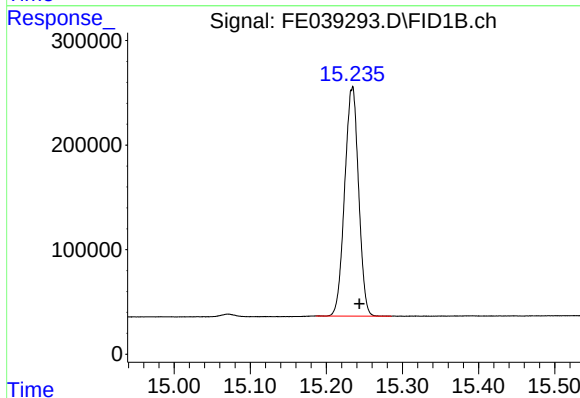
#13 n-Docosane (C22)

R.T.: 14.131 min
Delta R.T.: -0.010 min
Response: 2808284
Conc: 20.09 ug/ml

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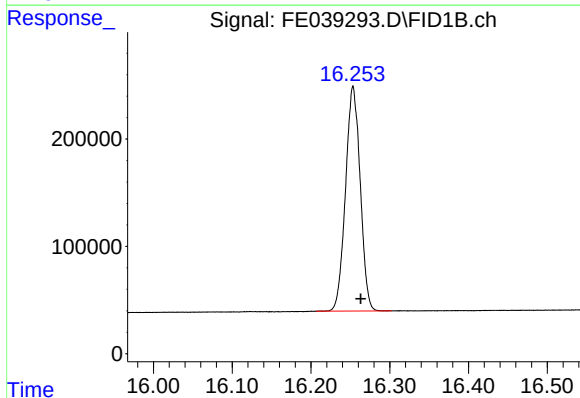
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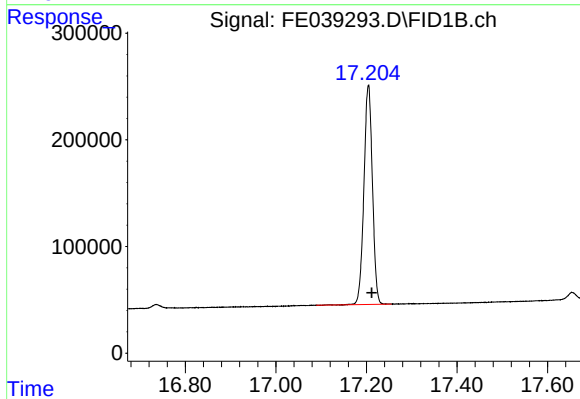
#14 n-Tetracosane (C24)

R.T.: 15.234 min
Delta R.T.: -0.009 min
Response: 2784894
Conc: 20.17 ug/ml



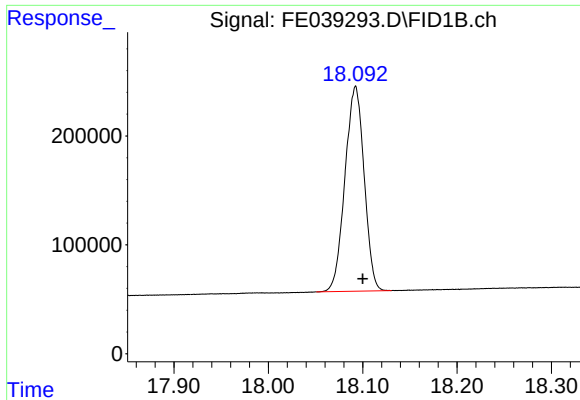
#15 n-Hexacosane (C26)

R.T.: 16.253 min
Delta R.T.: -0.010 min
Response: 2716262
Conc: 20.22 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.205 min
Delta R.T.: -0.007 min
Response: 2683282
Conc: 20.21 ug/ml



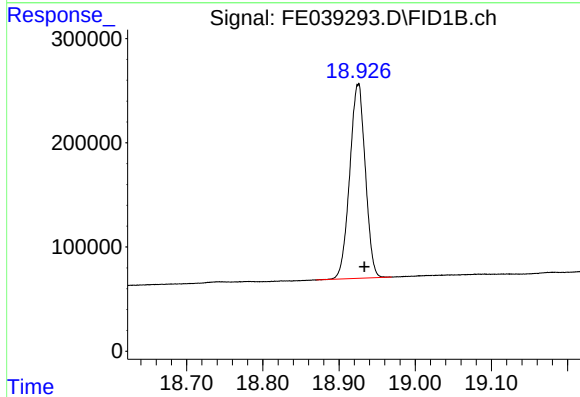
#17 n-Tricontane (C30)

R.T.: 18.092 min
Delta R.T.: -0.008 min
Response: 2652431
Conc: 20.08 ug/ml

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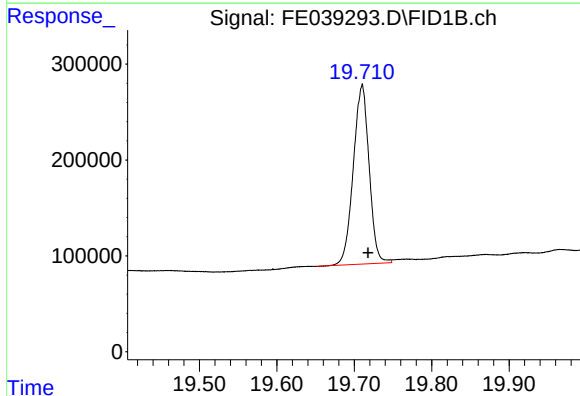
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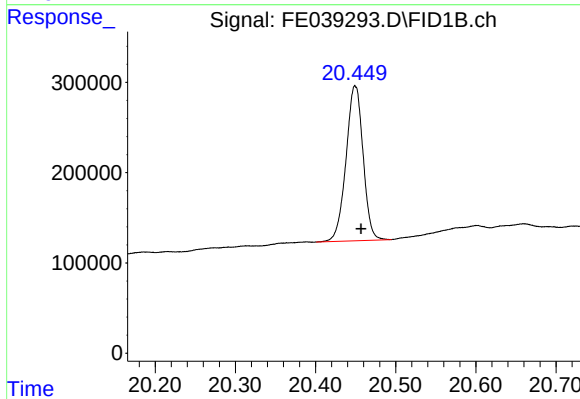
#18 n-Dotriacontane (C32)

R.T.: 18.926 min
Delta R.T.: -0.007 min
Response: 2648172
Conc: 19.86 ug/ml m



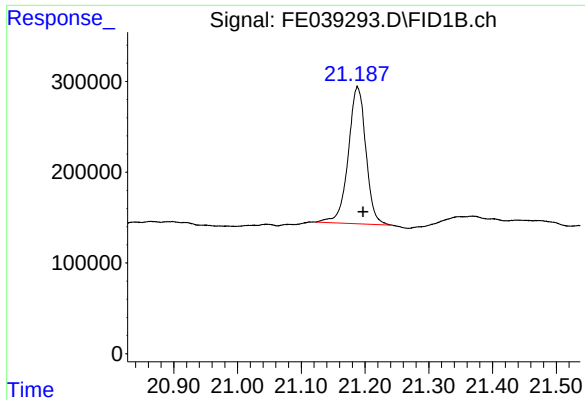
#19 n-Tetratriacontane (C34)

R.T.: 19.710 min
Delta R.T.: -0.007 min
Response: 2653403
Conc: 20.05 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.449 min
Delta R.T.: -0.007 min
Response: 2534984
Conc: 19.73 ug/ml



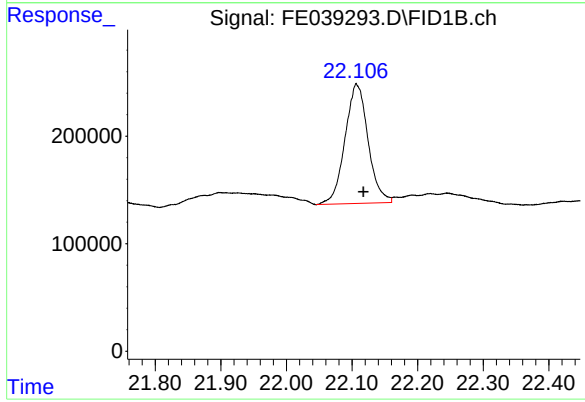
#21 n-Octatriacontane (C38)

R.T.: 21.187 min
Delta R.T.: -0.010 min
Response: 2894039
Conc: 22.09 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.107 min
Delta R.T.: -0.011 min
Response: 2717216
Conc: 19.95 ug/ml