

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120522AL\
 Data File : FE039115.D
 Signal(s) : FID1B.ch
 Acq On : 05 Dec 2022 10:24
 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 12/05/2022
 Supervised By :Ankita Jodhani 12/06/2022

Integration File: sample.E
 Quant Time: Dec 05 12:12:19 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)	11.944	3180940	20.333 ug/ml
Spiked Amount 50.000		Recovery =	40.67%
12) S 1-chlorooctadecane (S...	13.378	2352454	19.484 ug/ml
Spiked Amount 50.000		Recovery =	38.97%
Target Compounds			
1) T n-Nonane (C9)	3.340	2664785	18.800 ug/ml
2) T n-Decane (C10)	4.589	2665785	19.126 ug/ml
3) T A~Naphthalene (C11.7)	6.292	3080595	19.368 ug/ml
4) T n-Dodecane (C12)	6.752	2687533	19.066 ug/ml
5) T A~2-methylnaphthalene...	7.385	2899571	19.374 ug/ml
6) T n-Tetradecane (C14)	8.577	2744319	19.215 ug/ml
7) T n-Hexadecane (C16)	10.183	2858528	19.551 ug/ml
8) T n-Octadecane (C18)	11.626	2942859	19.999 ug/ml
10) T n-Eicosane (C20)	12.934	2912338	20.515 ug/ml
11) T n-Heneicosane (C21)	13.545	2897367	20.390 ug/ml
13) T n-Docosane (C22)	14.131	2967344	21.227 ug/ml
14) T n-Tetracosane (C24)	15.234	3069682	22.227 ug/ml
15) T n-Hexacosane (C26)	16.254	3098942	23.072 ug/ml
16) T n-Octacosane (C28)	17.203	3167963	23.855 ug/ml
17) T n-Tricontane (C30)	18.090	3239949	24.534 ug/ml
18) T n-Dotriacontane (C32)	18.924	3213604	24.096 ug/ml
19) T n-Tetratriacontane (C34)	19.706	2942290	22.236 ug/mlm
20) T n-Hexatriacontane (C36)	20.448	2604024	20.269 ug/mlm
21) T n-Octatriacontane (C38)	21.187	2379970	18.163 ug/ml
22) T n-Tetracontane (C40)	22.106	2057176	15.108 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 2 Sample Multiplier: 1

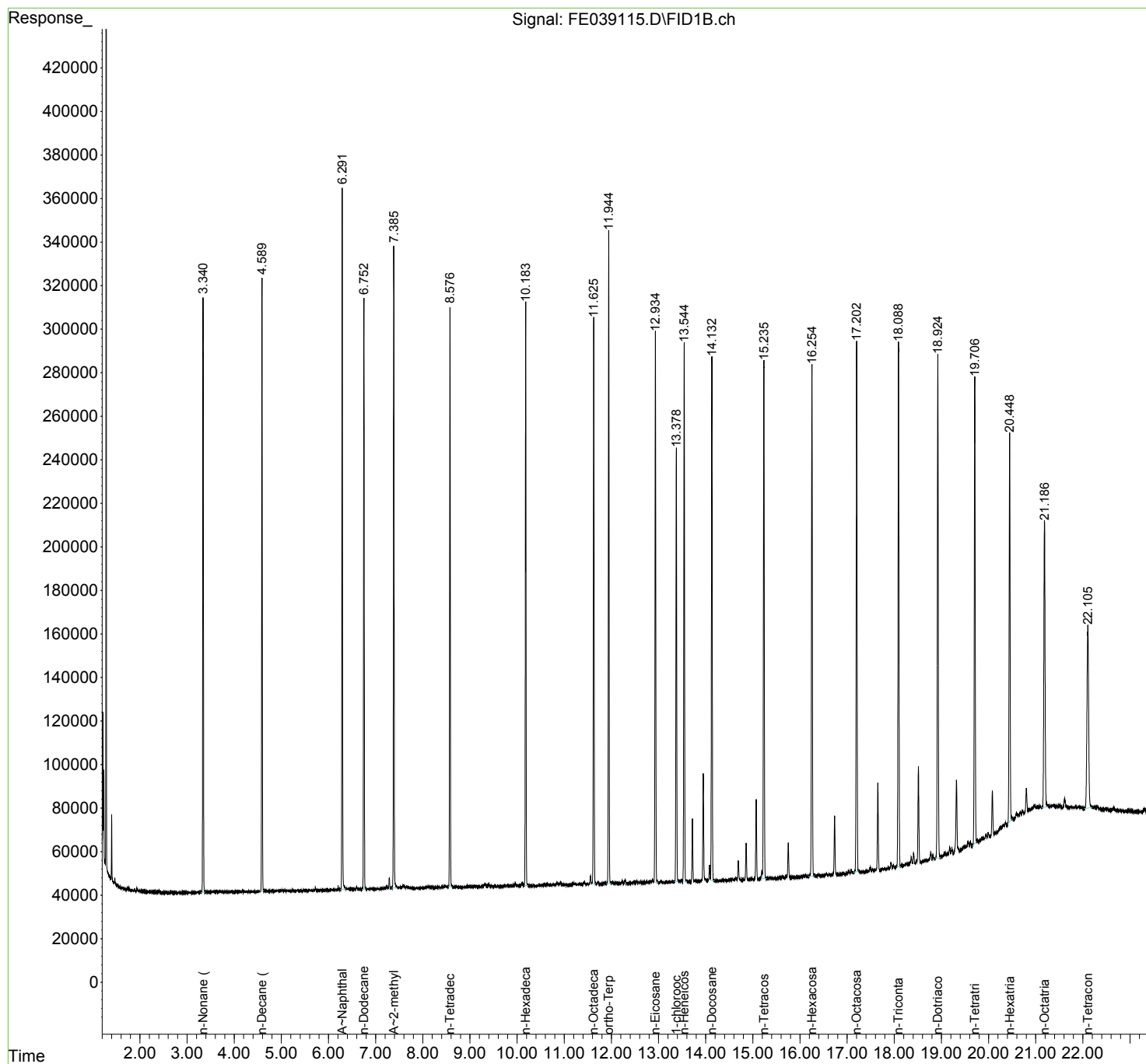
Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

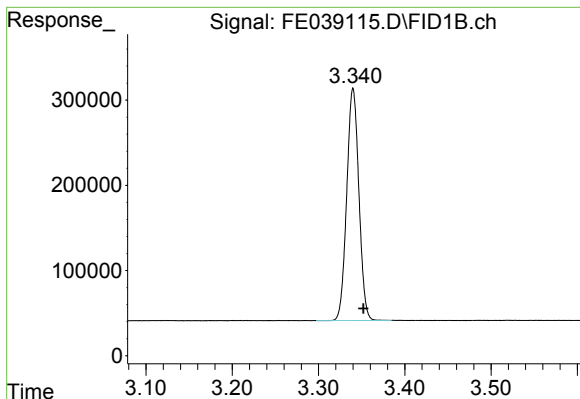
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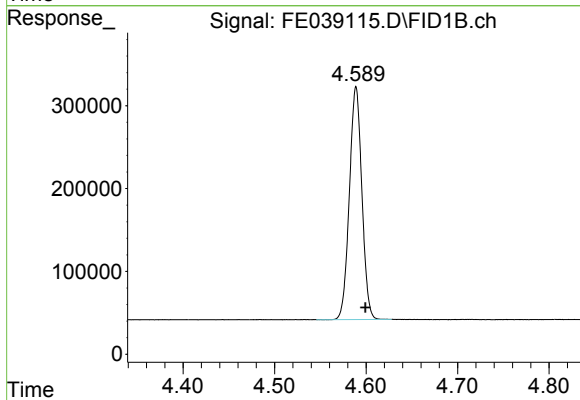
#1 n-Nonane (C9)

R.T.: 3.340 min
Delta R.T.: -0.012 min
Response: 2664785
Conc: 18.80 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

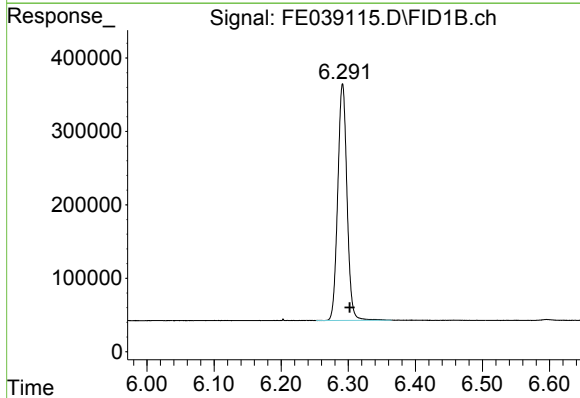
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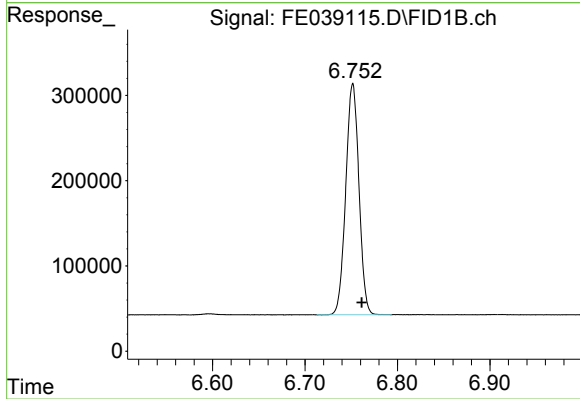
#2 n-Decane (C10)

R.T.: 4.589 min
Delta R.T.: -0.010 min
Response: 2665785
Conc: 19.13 ug/ml



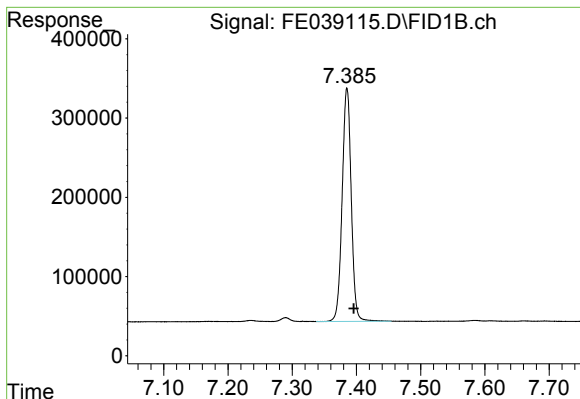
#3 A~Naphthalene (C11.7)

R.T.: 6.292 min
Delta R.T.: -0.011 min
Response: 3080595
Conc: 19.37 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.752 min
Delta R.T.: -0.010 min
Response: 2687533
Conc: 19.07 ug/ml



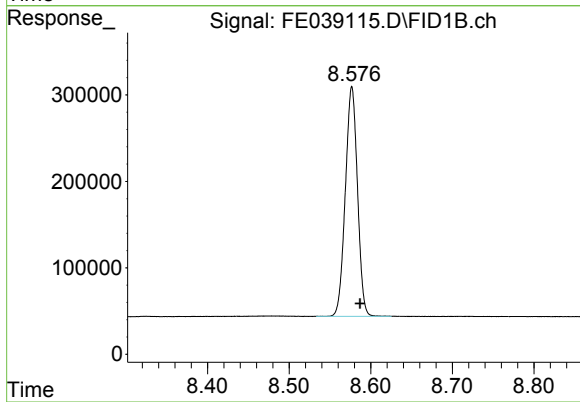
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.385 min
Delta R.T.: -0.011 min
Response: 2899571
Conc: 19.37 ug/ml

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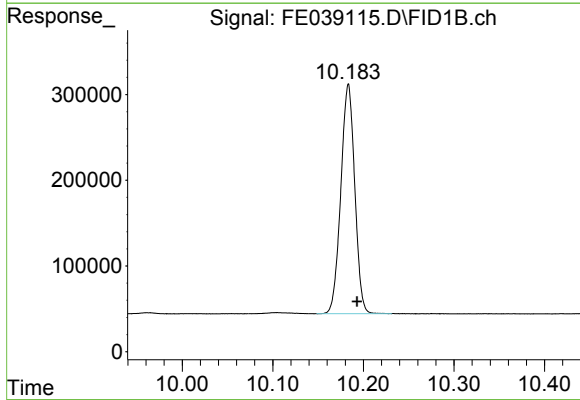
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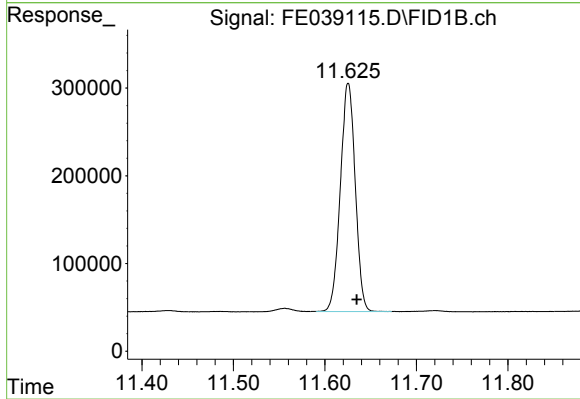
#6 n-Tetradecane (C14)

R.T.: 8.577 min
Delta R.T.: -0.010 min
Response: 2744319
Conc: 19.21 ug/ml



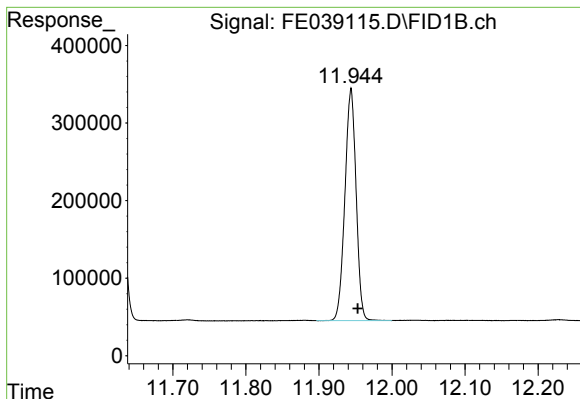
#7 n-Hexadecane (C16)

R.T.: 10.183 min
Delta R.T.: -0.009 min
Response: 2858528
Conc: 19.55 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.626 min
Delta R.T.: -0.009 min
Response: 2942859
Conc: 20.00 ug/ml



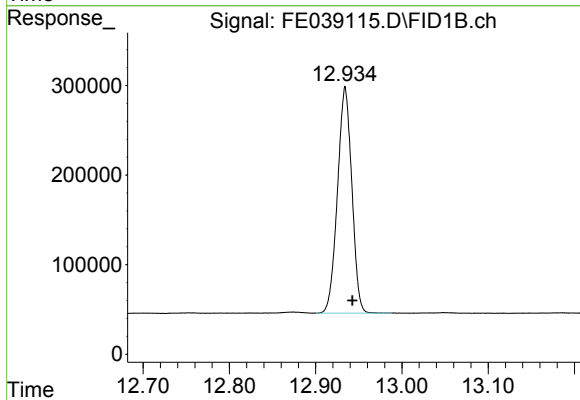
#9 ortho-Terphenyl (SURR)

R.T.: 11.944 min
Delta R.T.: -0.009 min
Response: 3180940
Conc: 20.33 ug/ml

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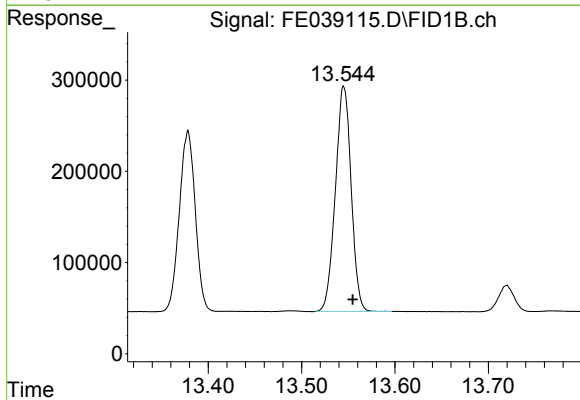
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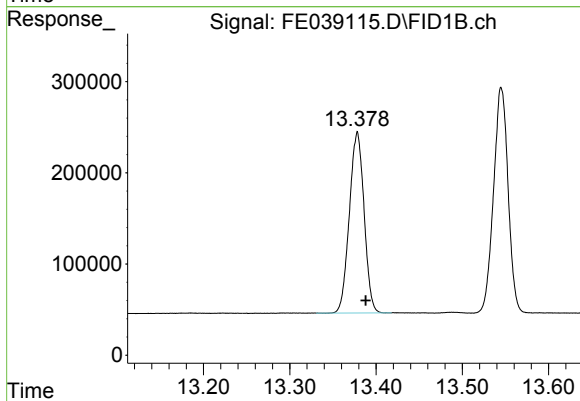
#10 n-Eicosane (C20)

R.T.: 12.934 min
Delta R.T.: -0.008 min
Response: 2912338
Conc: 20.51 ug/ml



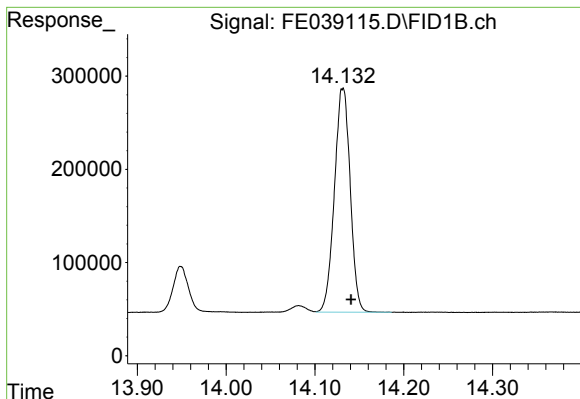
#11 n-Heneicosane (C21)

R.T.: 13.545 min
Delta R.T.: -0.010 min
Response: 2897367
Conc: 20.39 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.378 min
Delta R.T.: -0.010 min
Response: 2352454
Conc: 19.48 ug/ml



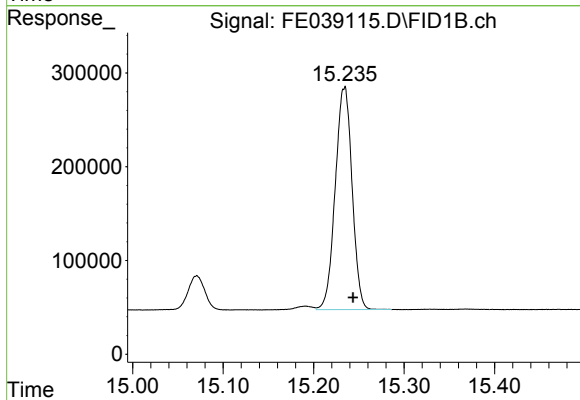
#13 n-Docosane (C22)

R.T.: 14.131 min
Delta R.T.: -0.009 min
Response: 2967344
Conc: 21.23 ug/ml

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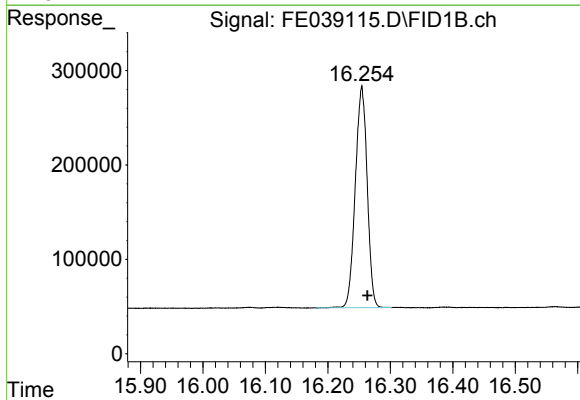
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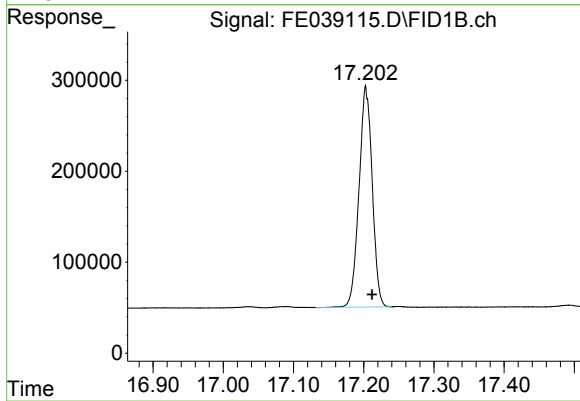
#14 n-Tetracosane (C24)

R.T.: 15.234 min
Delta R.T.: -0.009 min
Response: 3069682
Conc: 22.23 ug/ml



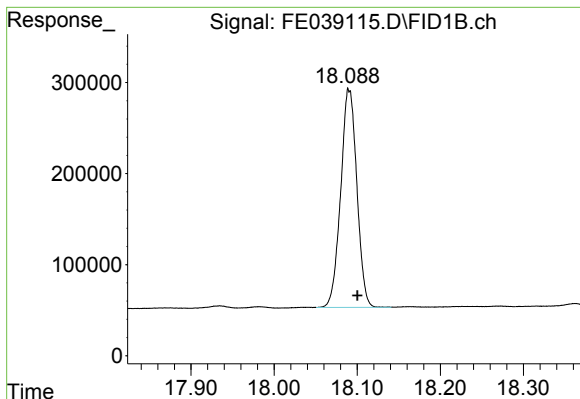
#15 n-Hexacosane (C26)

R.T.: 16.254 min
Delta R.T.: -0.009 min
Response: 3098942
Conc: 23.07 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.203 min
Delta R.T.: -0.009 min
Response: 3167963
Conc: 23.86 ug/ml



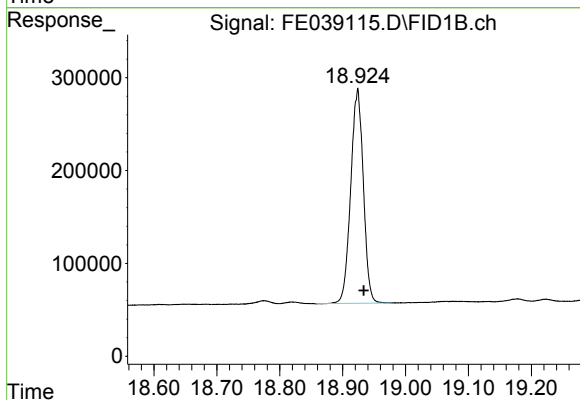
#17 n-Tricontane (C30)

R.T.: 18.090 min
Delta R.T.: -0.010 min
Response: 3239949
Conc: 24.53 ug/ml

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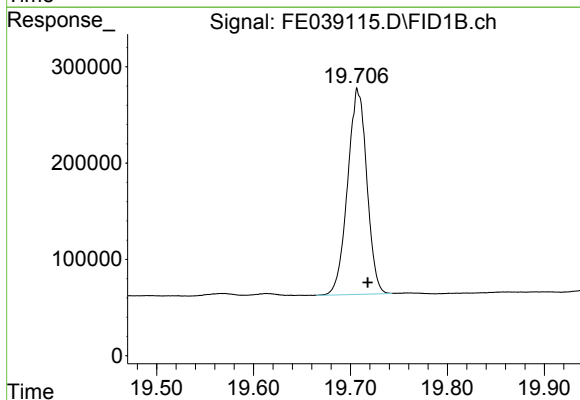
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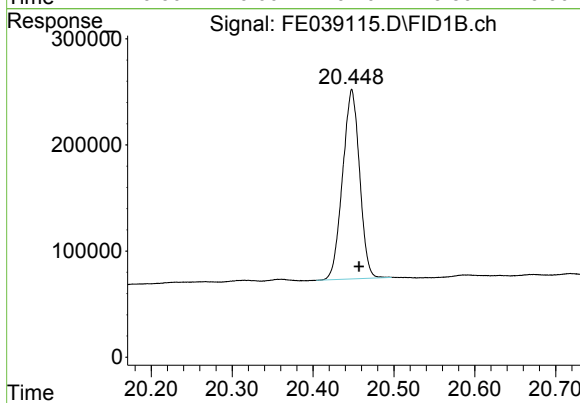
#18 n-Dotriacontane (C32)

R.T.: 18.924 min
Delta R.T.: -0.009 min
Response: 3213604
Conc: 24.10 ug/ml



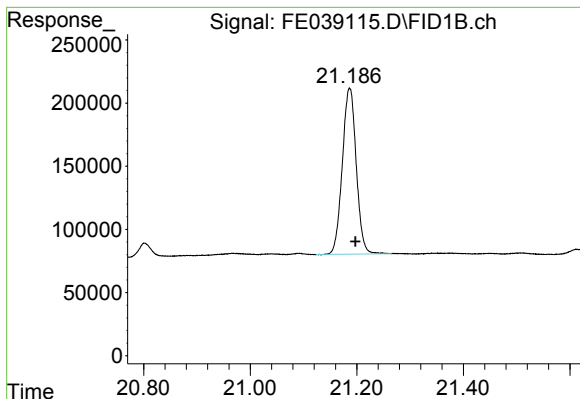
#19 n-Tetratriacontane (C34)

R.T.: 19.706 min
Delta R.T.: -0.011 min
Response: 2942290
Conc: 22.24 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.448 min
Delta R.T.: -0.009 min
Response: 2604024
Conc: 20.27 ug/ml m



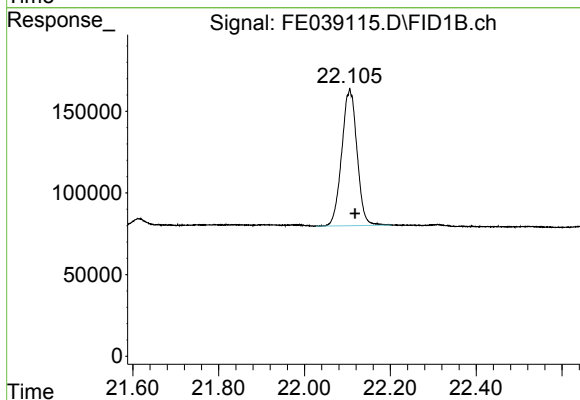
#21 n-Octatriacontane (C38)

R.T.: 21.187 min
Delta R.T.: -0.011 min
Response: 2379970
Conc: 18.16 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.106 min
Delta R.T.: -0.012 min
Response: 2057176
Conc: 15.11 ug/ml