

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE022425AL\
 Data File : FE052467.D
 Signal(s) : FID1B.ch
 Acq On : 24 Feb 2025 15:20
 Operator : YP\AJ
 Sample : PB166837BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_E
ClientSampleId :
 PB166837BS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/25/2025
 Supervised By :Ankita Jodhani 02/25/2025

Integration File: autoint1.e
 Quant Time: Feb 25 00:27:02 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 021325.M
 Quant Title : GC Extractables
 QLast Update : Fri Feb 14 00:50:00 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)	11.919	6177155	33.045 ug/ml
Spiked Amount	50.000	Recovery	= 66.09%
12) S 1-chlorooctadecane (S...	13.364	4850448	34.896 ug/mlm
Spiked Amount	50.000	Recovery	= 69.79%
Target Compounds			
1) T n-Nonane (C9)	3.265	6136133	39.975 ug/ml
2) T n-Decane (C10)	4.523	6412037	41.053 ug/ml
3) T A~Naphthalene (C11.7)	6.232	7394288	42.799 ug/ml
4) T n-Dodecane (C12)	6.700	6460512	40.930 ug/ml
5) T A~2-methylnaphthalene...	7.334	6748679	40.183 ug/ml
6) T n-Tetradecane (C14)	8.539	6481408	41.148 ug/ml
7) T n-Hexadecane (C16)	10.153	6381460	39.045 ug/ml
8) T n-Octadecane (C18)	11.603	6302602	38.091 ug/ml
10) T n-Eicosane (C20)	12.919	6405284	40.178 ug/ml
11) T n-Heneicosane (C21)	13.534	6110851	39.004 ug/ml
13) T n-Docosane (C22)	14.122	6056228	38.699 ug/ml
14) T n-Tetracosane (C24)	15.213	12488776	79.410 ug/ml
15) T n-Hexacosane (C26)	16.255	5860256	37.835 ug/ml
16) T n-Octacosane (C28)	17.205	5867056	38.356 ug/ml
17) T n-Tricontane (C30)	18.097	5841901	37.425 ug/ml
18) T n-Dotriacontane (C32)	18.931	5760996	37.649 ug/ml
19) T n-Tetratriacontane (C34)	19.718	5744717	40.381 ug/ml
20) T n-Hexatriacontane (C36)	20.459	5469950	43.887 ug/ml
21) T n-Octatriacontane (C38)	21.203	5451611	49.877 ug/ml
22) T n-Tetracontane (C40)	22.130	5574658	55.420 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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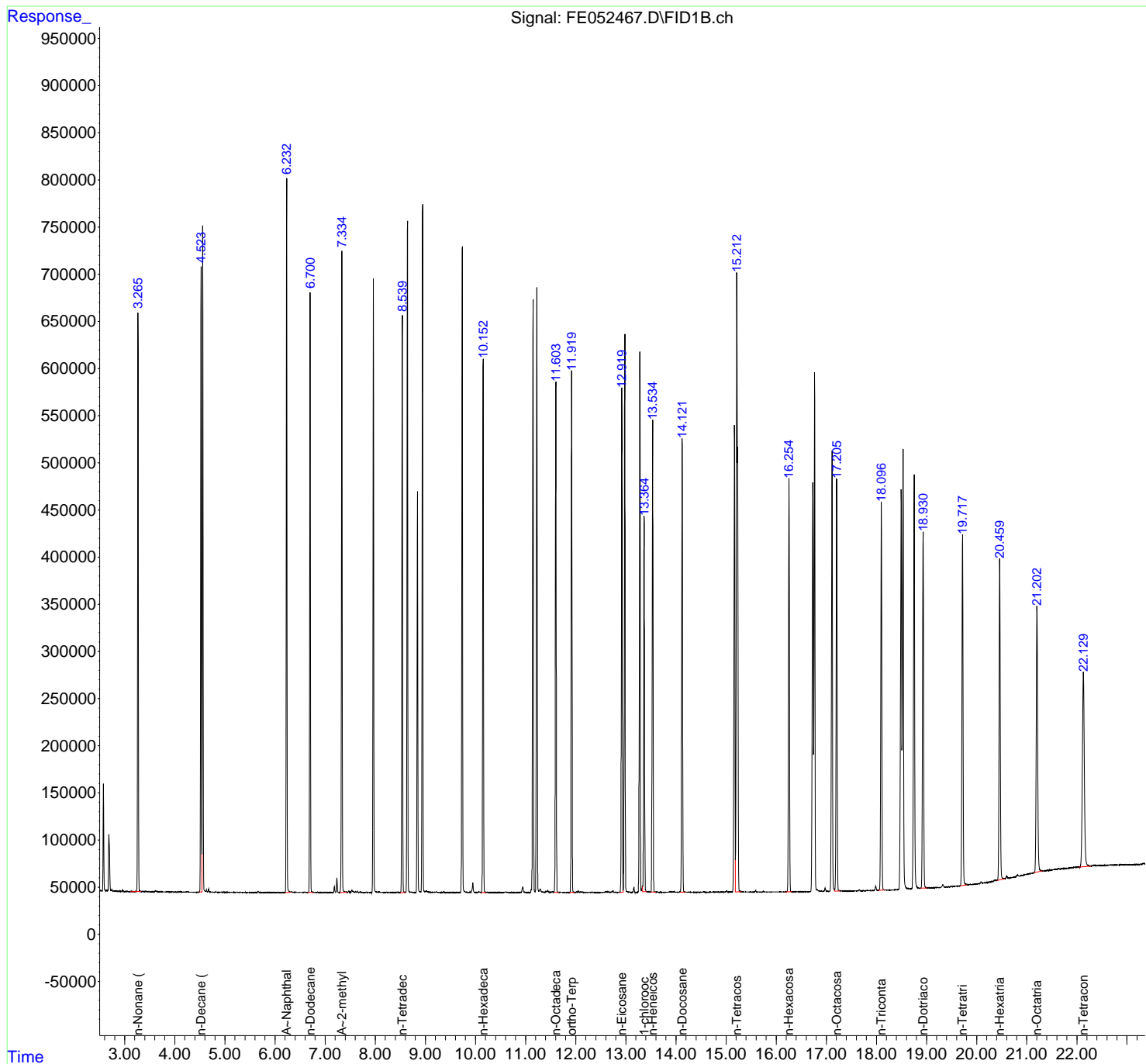
APPROVED

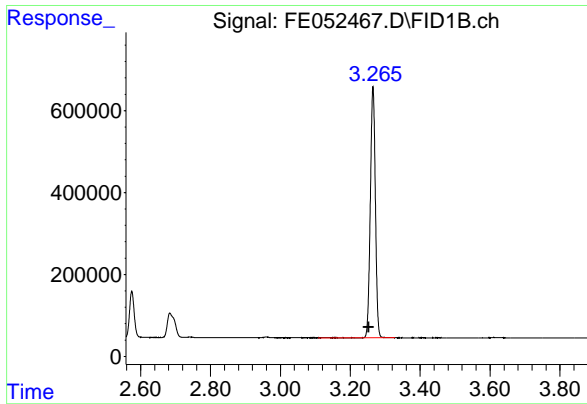
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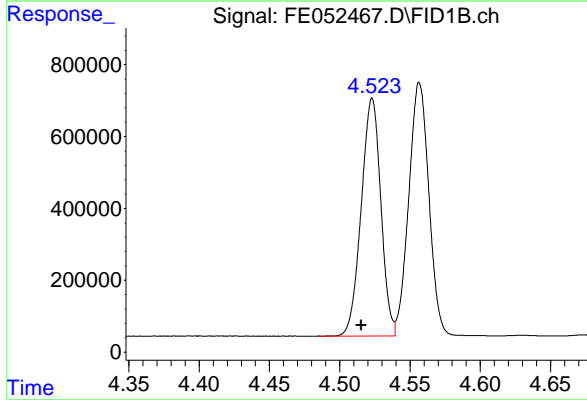
#1 n-Nonane (C9)

R.T.: 3.265 min
 Delta R.T.: 0.012 min
 Response: 6136133
 Conc: 39.97 ug/ml

Instrument : FID_E
 Client Sample Id : PB166837BS

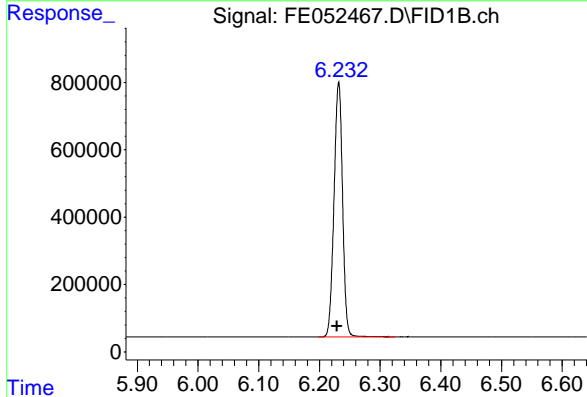
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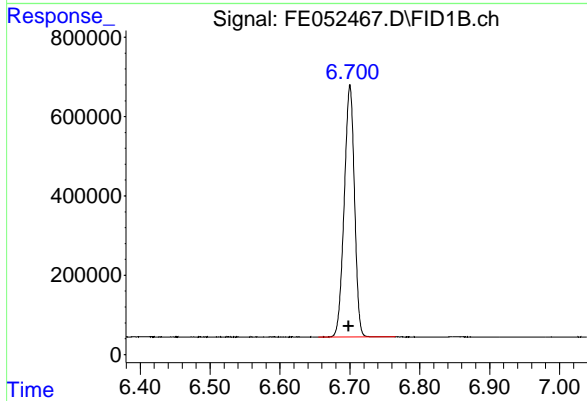
#2 n-Decane (C10)

R.T.: 4.523 min
 Delta R.T.: 0.008 min
 Response: 6412037
 Conc: 41.05 ug/ml



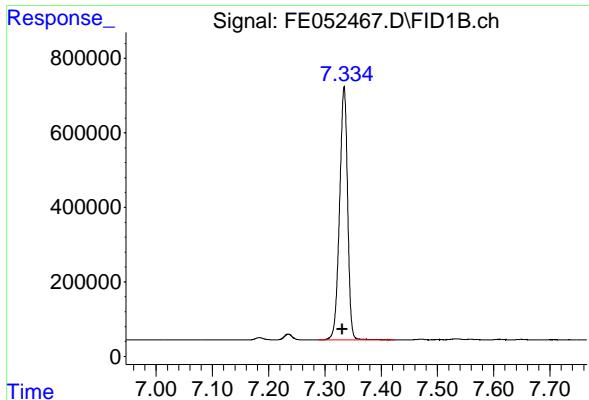
#3 A~Naphthalene (C11.7)

R.T.: 6.232 min
 Delta R.T.: 0.003 min
 Response: 7394288
 Conc: 42.80 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.700 min
 Delta R.T.: 0.002 min
 Response: 6460512
 Conc: 40.93 ug/ml



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

R.T.: 7.334 min
 Delta R.T.: 0.003 min
 Response: 6748679
 Conc: 40.18 ug/ml

Instrument :

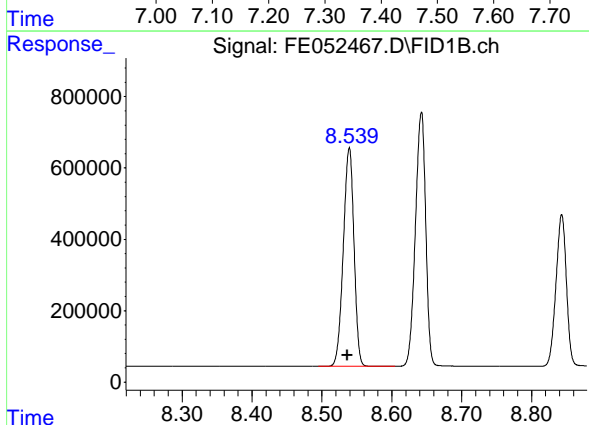
FID_E

Client Sample Id :

PB166837BS

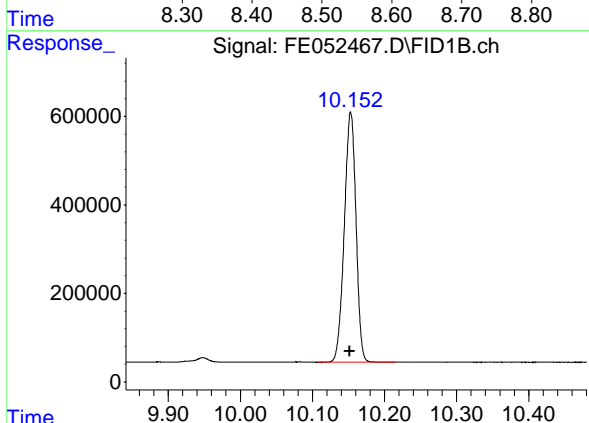
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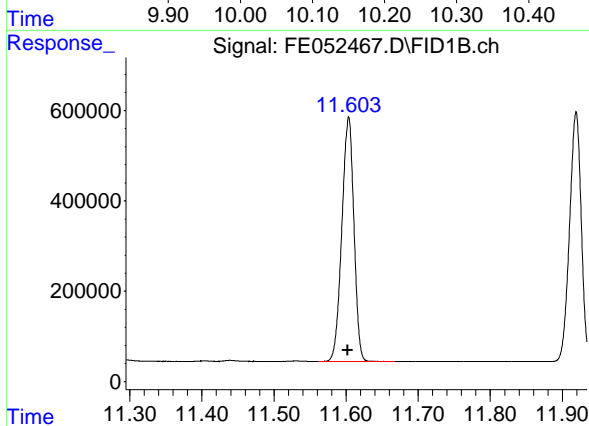
#6 n-Tetradecane (C14)

R.T.: 8.539 min
 Delta R.T.: 0.003 min
 Response: 6481408
 Conc: 41.15 ug/ml



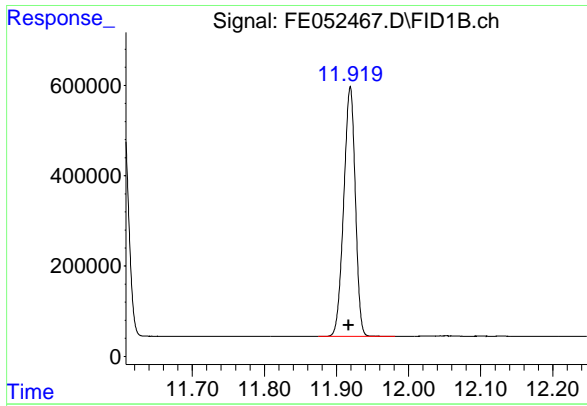
#7 n-Hexadecane (C16)

R.T.: 10.153 min
 Delta R.T.: 0.001 min
 Response: 6381460
 Conc: 39.04 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.603 min
 Delta R.T.: 0.002 min
 Response: 6302602
 Conc: 38.09 ug/ml



#9 ortho-Terphenyl (SURR)

R.T.: 11.919 min
 Delta R.T.: 0.002 min
 Response: 6177155
 Conc: 33.05 ug/ml

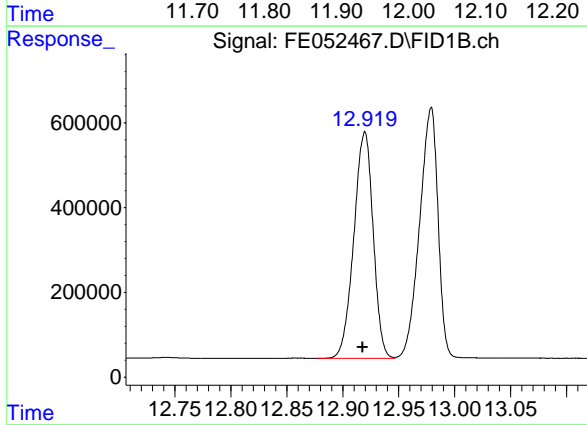
Instrument :

FID_E

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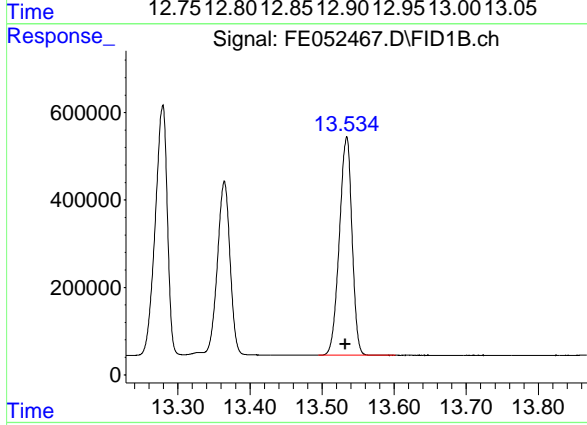
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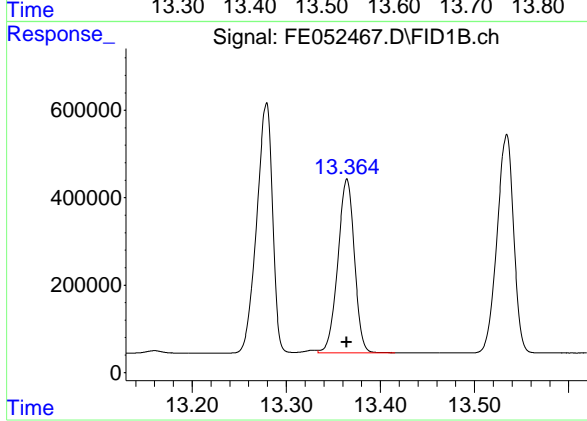
#10 n-Eicosane (C20)

R.T.: 12.919 min
 Delta R.T.: 0.002 min
 Response: 6405284
 Conc: 40.18 ug/ml



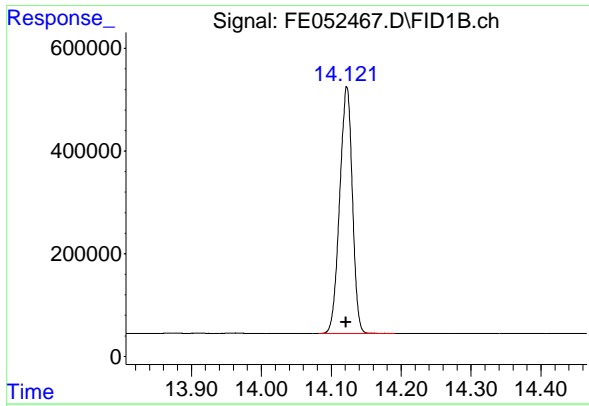
#11 n-Heneicosane (C21)

R.T.: 13.534 min
 Delta R.T.: 0.002 min
 Response: 6110851
 Conc: 39.00 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.364 min
 Delta R.T.: 0.000 min
 Response: 4850448
 Conc: 34.90 ug/ml m



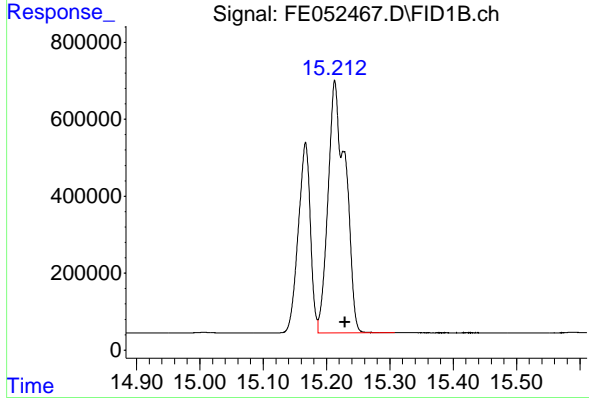
#13 n-Docosane (C22)

R.T.: 14.122 min
 Delta R.T.: 0.001 min
 Response: 6056228
 Conc: 38.70 ug/ml

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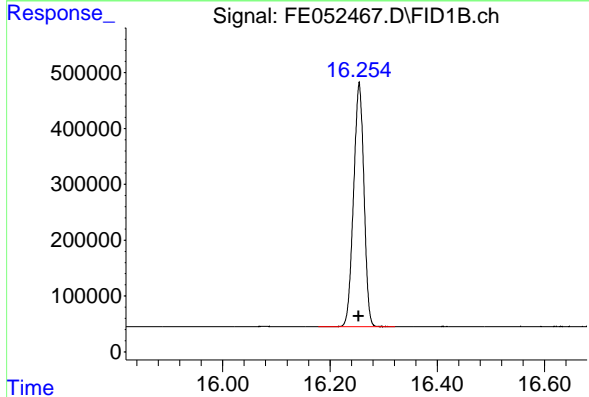
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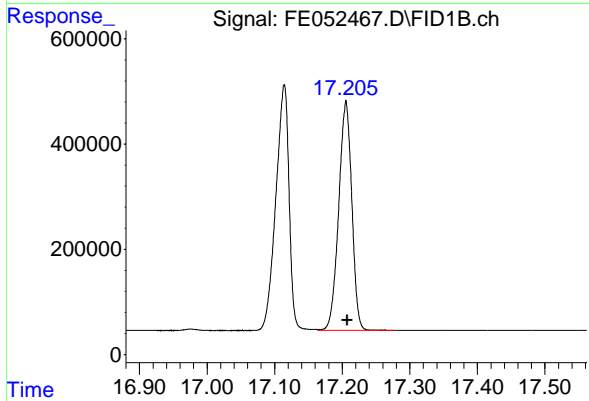
#14 n-Tetracosane (C24)

R.T.: 15.213 min
 Delta R.T.: -0.016 min
 Response: 12488776
 Conc: 79.41 ug/ml



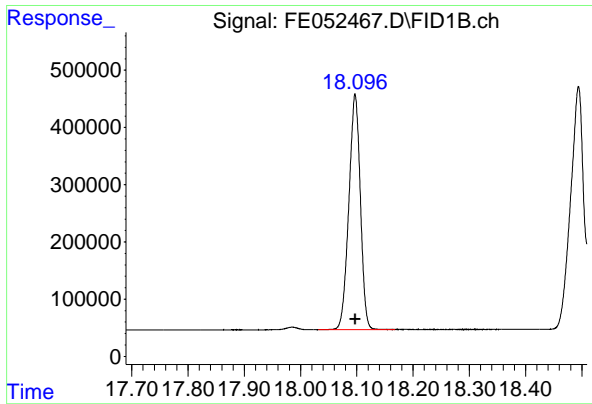
#15 n-Hexacosane (C26)

R.T.: 16.255 min
 Delta R.T.: 0.000 min
 Response: 5860256
 Conc: 37.84 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.205 min
 Delta R.T.: -0.002 min
 Response: 5867056
 Conc: 38.36 ug/ml



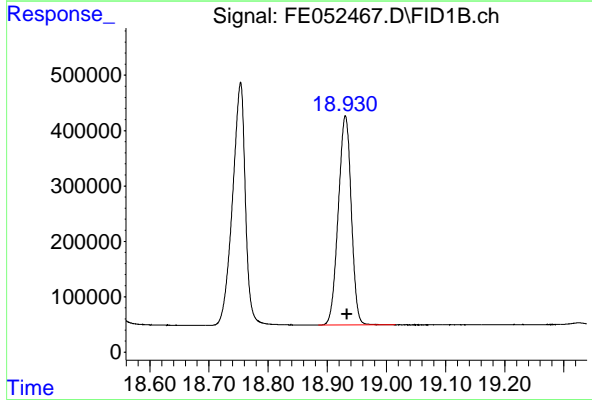
#17 n-Tricontane (C30)

R.T.: 18.097 min
 Delta R.T.: 0.000 min
 Response: 5841901
 Conc: 37.42 ug/ml

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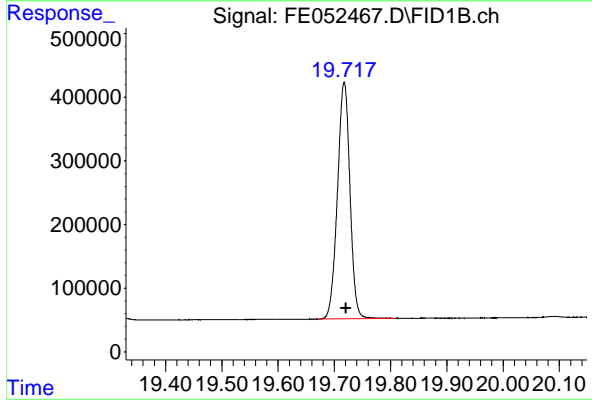
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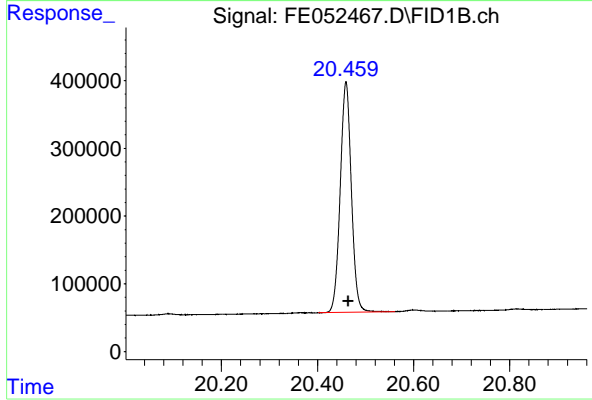
#18 n-Dotriacontane (C32)

R.T.: 18.931 min
 Delta R.T.: -0.003 min
 Response: 5760996
 Conc: 37.65 ug/ml



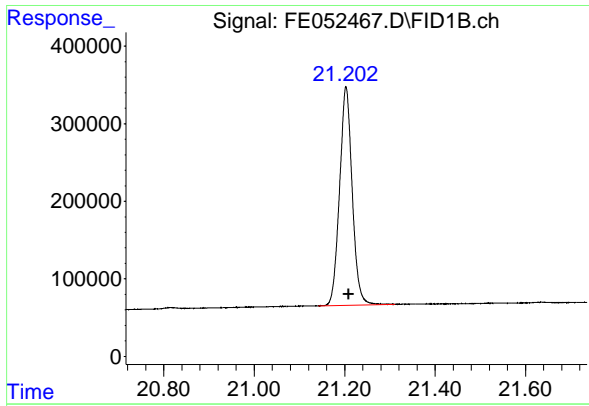
#19 n-Tetraatriacontane (C34)

R.T.: 19.718 min
 Delta R.T.: -0.003 min
 Response: 5744717
 Conc: 40.38 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.459 min
 Delta R.T.: -0.004 min
 Response: 5469950
 Conc: 43.89 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.203 min
 Delta R.T.: -0.007 min
 Response: 5451611
 Conc: 49.88 ug/ml

Instrument :

FID_E

Client Sample Id :

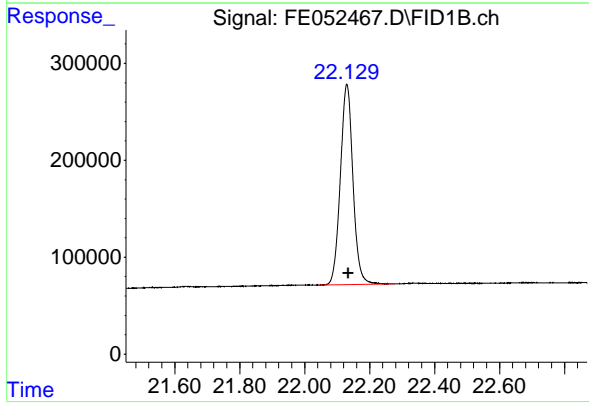
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#22 n-Tetracontane (C40)

R.T.: 22.130 min
 Delta R.T.: -0.005 min
 Response: 5574658
 Conc: 55.42 ug/ml