

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE030725AL\
 Data File : FE052683.D
 Signal(s) : FID1B.ch
 Acq On : 07 Mar 2025 16:23
 Operator : YP\AJ
 Sample : Q1507-01MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 50-MIDDLESEX-AVEMSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/10/2025
 Supervised By :Ankita Jodhani 03/10/2025

Integration File: autoint1.e
 Quant Time: Mar 07 21:57:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 030325.M
 Quant Title : GC Extractables
 QLast Update : Mon Mar 03 13:39:39 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)	11.914	4075511	24.175 ug/ml
Spiked Amount 50.000		Recovery =	48.35%
12) S 1-chlorooctadecane (S...	13.360	3098300	25.516 ug/ml
Spiked Amount 50.000		Recovery =	51.03%
Target Compounds			
1) T n-Nonane (C9)	3.254	4285253	27.638 ug/ml
2) T n-Decane (C10)	4.515	4671326	29.736 ug/ml
3) T A~Naphthalene (C11.7)	6.228	5353063	31.564 ug/ml
4) T n-Dodecane (C12)	6.696	4931465	31.673 ug/ml
5) T A~2-methylnaphthalene...	7.331	5114540	31.560 ug/ml
6) T n-Tetradecane (C14)	8.534	5443551	35.976 ug/ml
7) T n-Hexadecane (C16)	10.149	5769140	37.735 ug/ml
8) T n-Octadecane (C18)	11.599	5926125	38.951 ug/ml
10) T n-Eicosane (C20)	12.915	6006081	41.372 ug/ml
11) T n-Heneicosane (C21)	13.530	5669760	39.836 ug/ml
13) T n-Docosane (C22)	14.118	5728648	40.255 ug/ml
14) T n-Tetracosane (C24)	15.213	11661522	81.487 ug/ml
15) T n-Hexacosane (C26)	16.250	5622524	39.541 ug/ml
16) T n-Octacosane (C28)	17.202	5682439	39.962 ug/ml
17) T n-Tricontane (C30)	18.096	5725889	38.767 ug/ml
18) T n-Dotriacontane (C32)	18.929	5579242	38.430 ug/ml
19) T n-Tetratriacontane (C34)	19.716	5657841	41.979 ug/ml
20) T n-Hexatriacontane (C36)	20.458	5456604	45.922 ug/mlm
21) T n-Octatriacontane (C38)	21.202	5419573	48.853 ug/ml
22) T n-Tetracontane (C40)	22.129	5724324	52.946 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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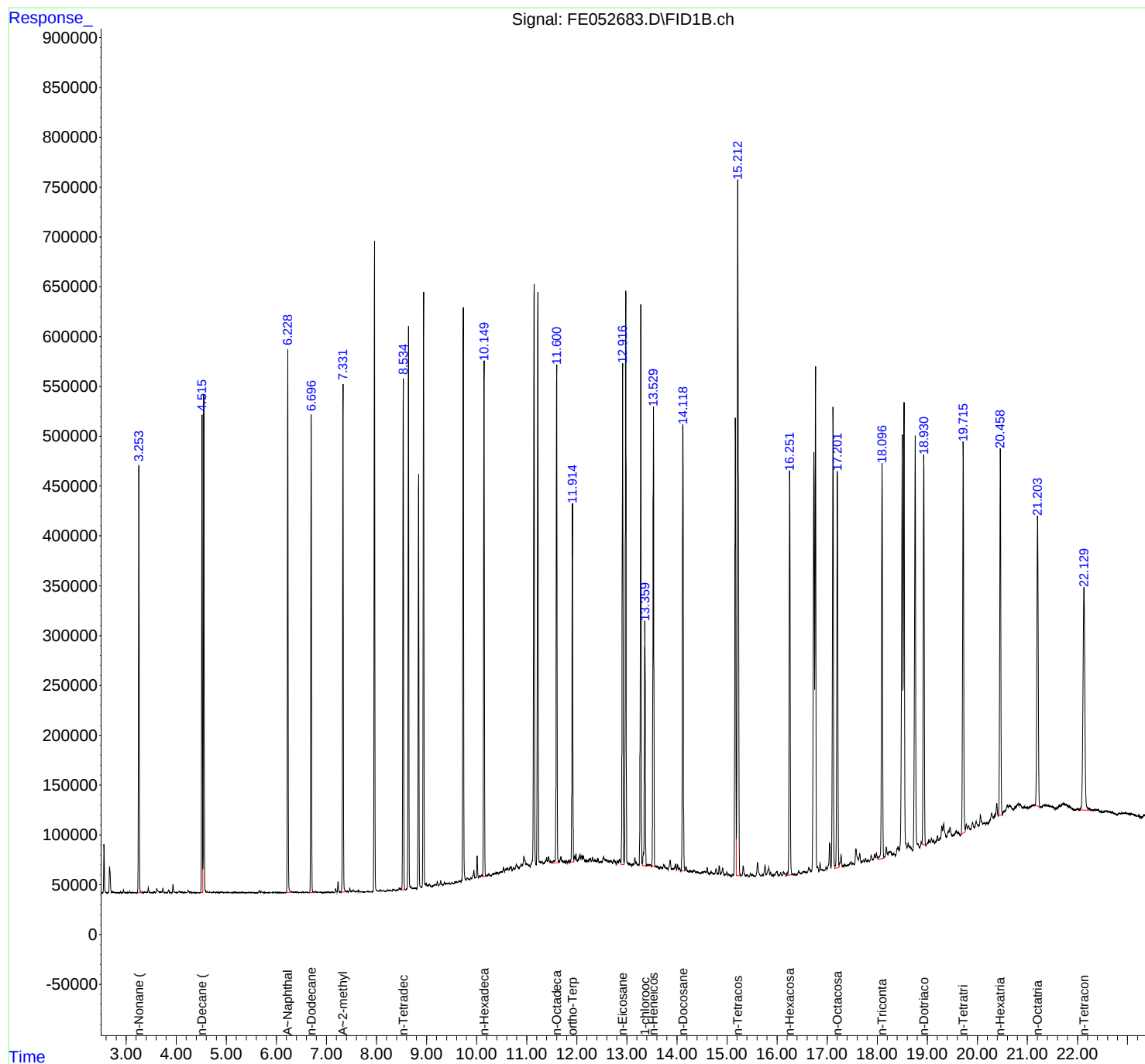
Instrument :
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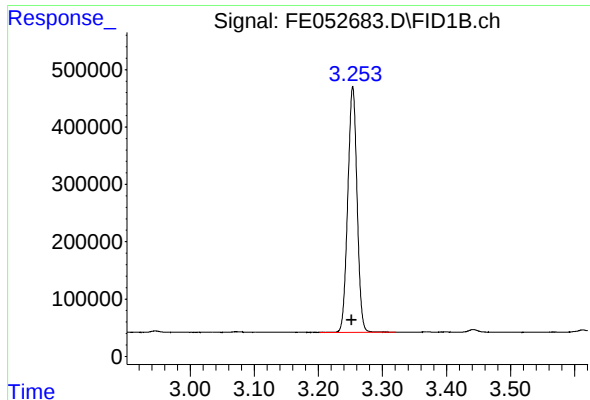
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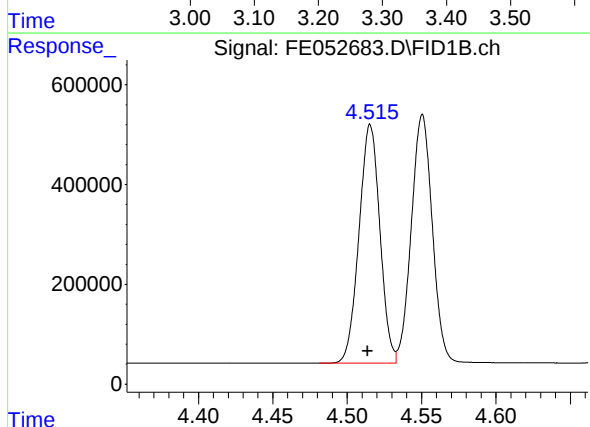
#1 n-Nonane (C9)

R.T.: 3.254 min
Delta R.T.: 0.002 min
Response: 4285253
Conc: 27.64 ug/ml

Instrument :
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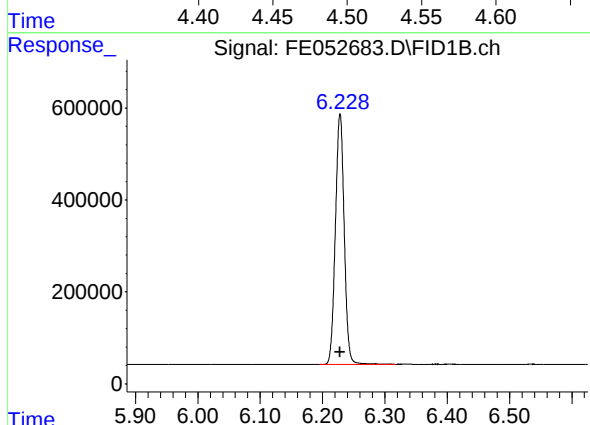
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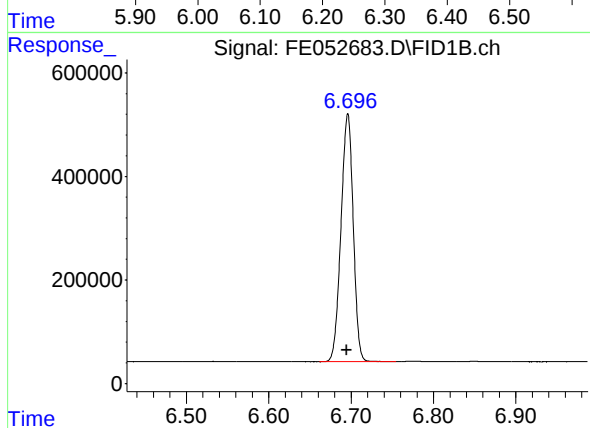
#2 n-Decane (C10)

R.T.: 4.515 min
Delta R.T.: 0.002 min
Response: 4671326
Conc: 29.74 ug/ml



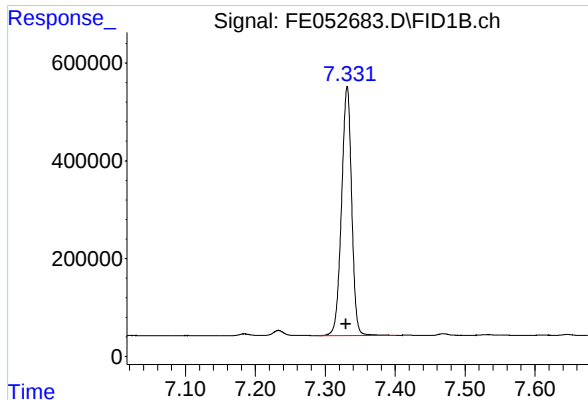
#3 A~Naphthalene (C11.7)

R.T.: 6.228 min
Delta R.T.: 0.000 min
Response: 5353063
Conc: 31.56 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.696 min
Delta R.T.: 0.001 min
Response: 4931465
Conc: 31.67 ug/ml



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

R.T.: 7.331 min
Delta R.T.: 0.002 min
Response: 5114540
Conc: 31.56 ug/ml

Instrument :

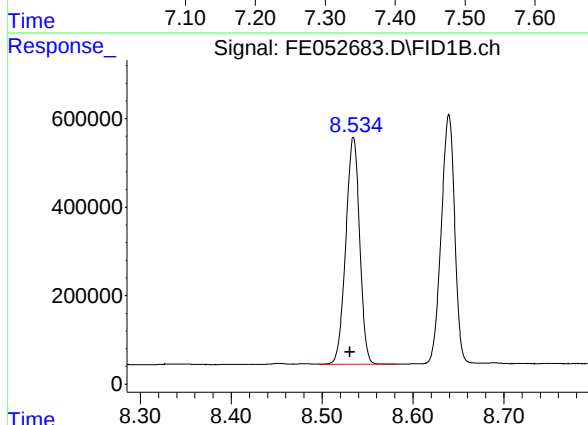
FID_E

ClientSampleId :

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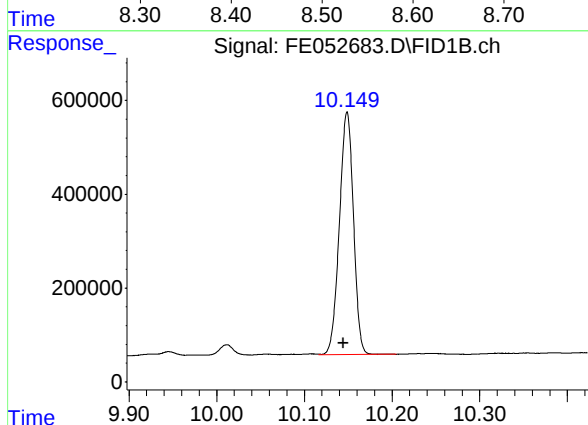
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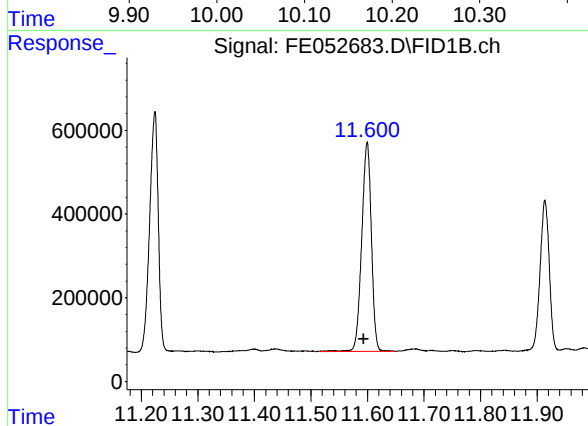
#6 n-Tetradecane (C14)

R.T.: 8.534 min
Delta R.T.: 0.004 min
Response: 5443551
Conc: 35.98 ug/ml



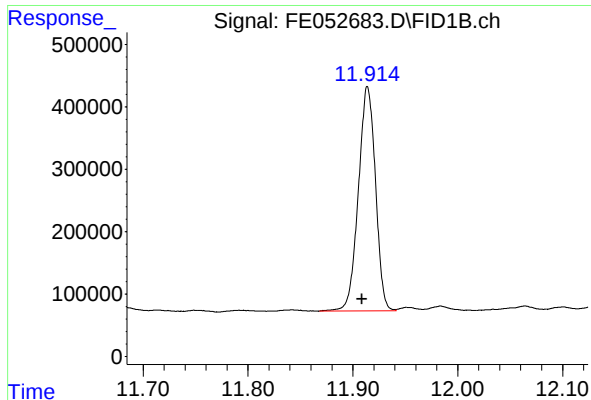
#7 n-Hexadecane (C16)

R.T.: 10.149 min
Delta R.T.: 0.004 min
Response: 5769140
Conc: 37.73 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.599 min
Delta R.T.: 0.006 min
Response: 5926125
Conc: 38.95 ug/ml



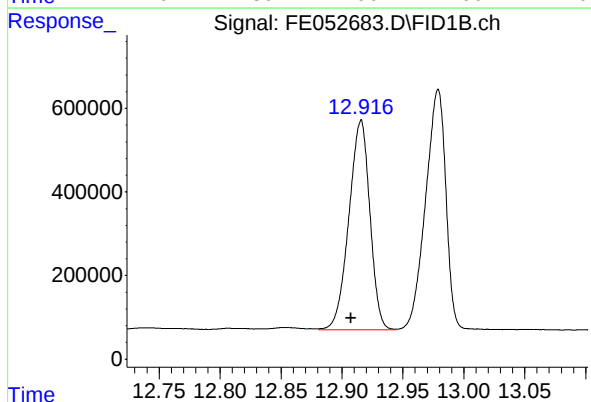
#9 ortho-Terphenyl (SURR)

R.T.: 11.914 min
Delta R.T.: 0.005 min
Response: 4075511
Conc: 24.17 ug/ml

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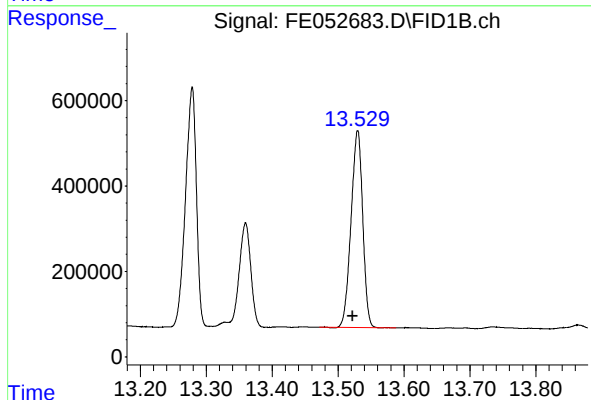
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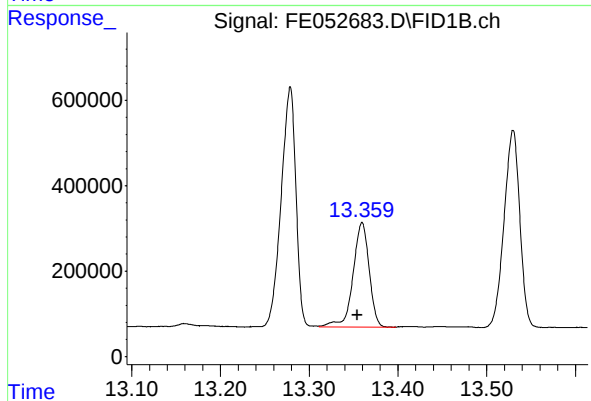
#10 n-Eicosane (C20)

R.T.: 12.915 min
Delta R.T.: 0.008 min
Response: 6006081
Conc: 41.37 ug/ml



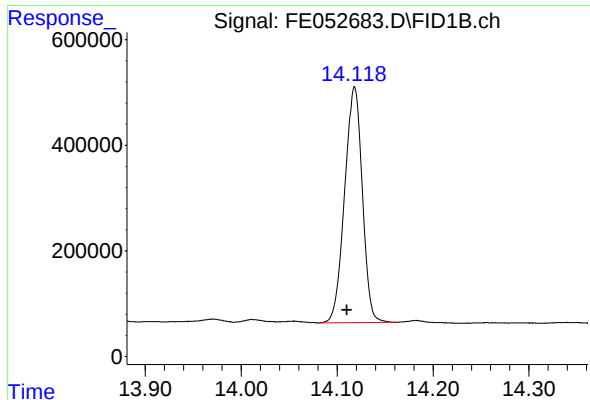
#11 n-Heneicosane (C21)

R.T.: 13.530 min
Delta R.T.: 0.007 min
Response: 5669760
Conc: 39.84 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.360 min
Delta R.T.: 0.005 min
Response: 3098300
Conc: 25.52 ug/ml



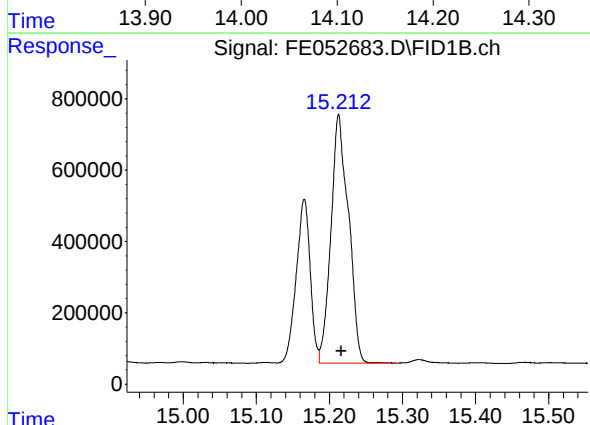
#13 n-Docosane (C22)

R.T.: 14.118 min
Delta R.T.: 0.008 min
Response: 5728648
Conc: 40.25 ug/ml

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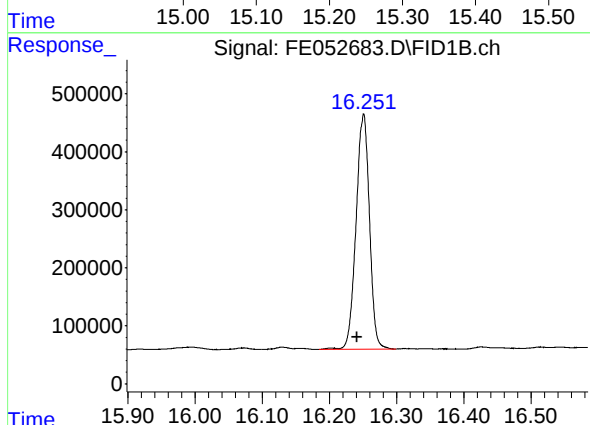
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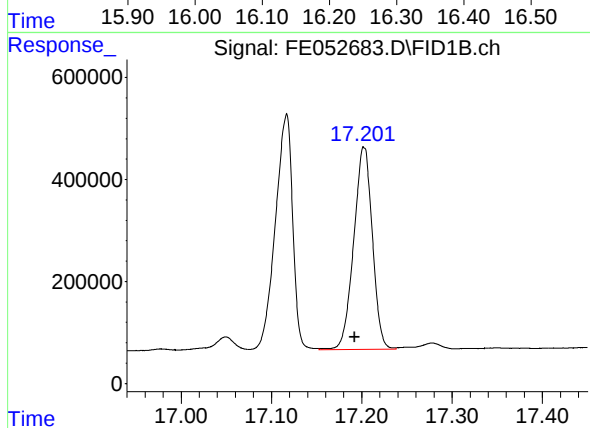
#14 n-Tetracosane (C24)

R.T.: 15.213 min
Delta R.T.: -0.003 min
Response: 11661522
Conc: 81.49 ug/ml



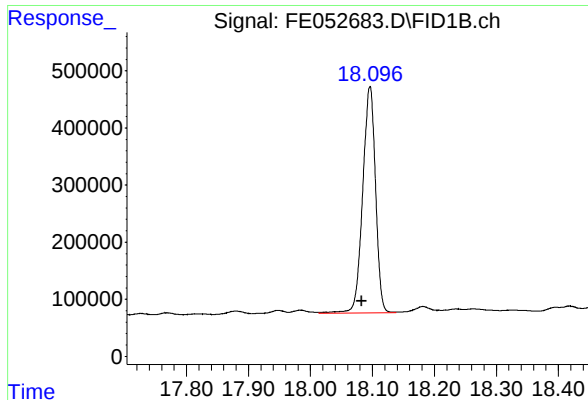
#15 n-Hexacosane (C26)

R.T.: 16.250 min
Delta R.T.: 0.010 min
Response: 5622524
Conc: 39.54 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.202 min
Delta R.T.: 0.010 min
Response: 5682439
Conc: 39.96 ug/ml



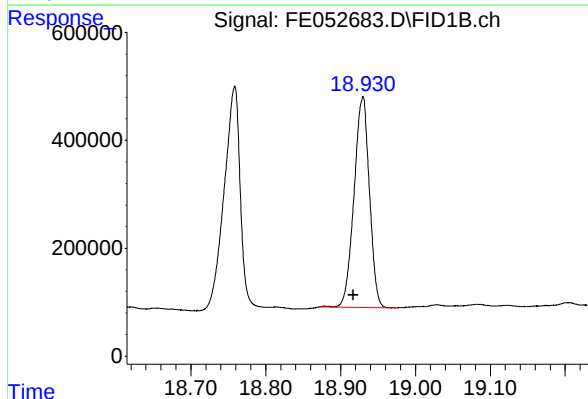
#17 n-Tricontane (C30)

R.T.: 18.096 min
Delta R.T.: 0.013 min
Response: 5725889
Conc: 38.77 ug/ml

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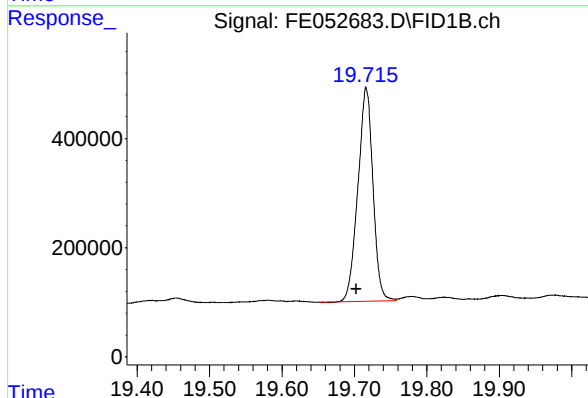
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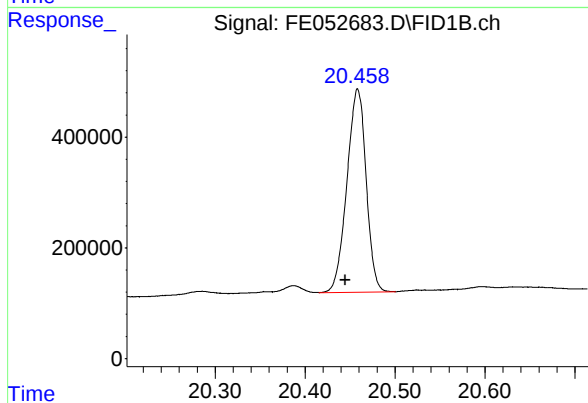
#18 n-Dotriacontane (C32)

R.T.: 18.929 min
Delta R.T.: 0.012 min
Response: 5579242
Conc: 38.43 ug/ml



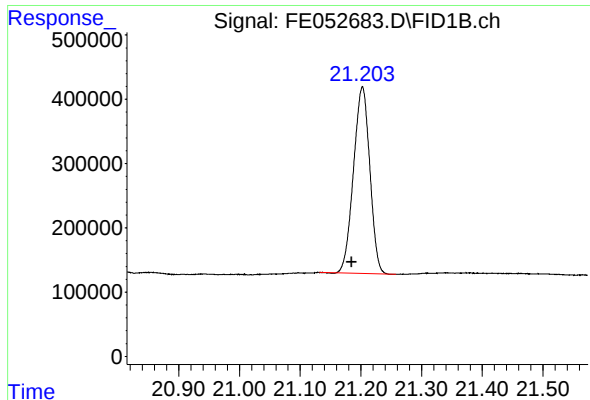
#19 n-Tetatriacontane (C34)

R.T.: 19.716 min
Delta R.T.: 0.014 min
Response: 5657841
Conc: 41.98 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.458 min
Delta R.T.: 0.013 min
Response: 5456604
Conc: 45.92 ug/ml m



#21 n-Octatriacontane (C38)

R.T.: 21.202 min
Delta R.T.: 0.018 min
Response: 5419573
Conc: 48.85 ug/ml

Instrument :

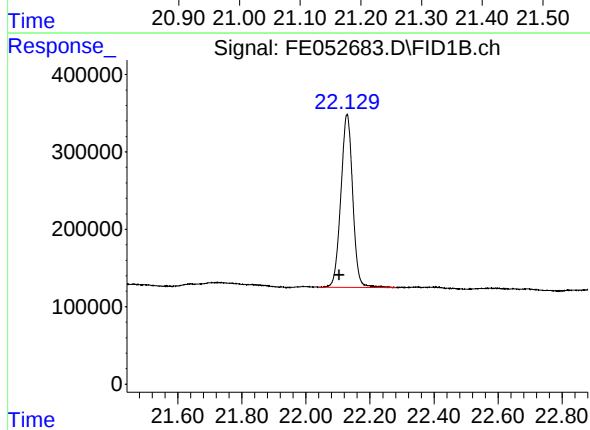
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#22 n-Tetracontane (C40)

R.T.: 22.129 min
Delta R.T.: 0.024 min
Response: 5724324
Conc: 52.95 ug/ml