

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE040125AL\
 Data File : FE053122.D
 Signal(s) : FID1B.ch
 Acq On : 02 Apr 2025 07:29
 Operator : YP\AJ
 Sample : Q1687-01MS
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 72-12016MS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/02/2025
 Supervised By :mohammad ahmed 04/03/2025

Integration File: autoint1.e
 Quant Time: Apr 02 09:21:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
 Quant Title : GC Extractables
 QLast Update : Mon Mar 31 02:44:53 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)	11.891	4484996	27.535 ug/ml
Spiked Amount 50.000		Recovery =	55.07%
12) S 1-chlorooctadecane (S...	13.335	3443863	28.688 ug/mlm
Spiked Amount 50.000		Recovery =	57.38%
Target Compounds			
1) T n-Nonane (C9)	3.236	4572555	29.531 ug/ml
2) T n-Decane (C10)	4.500	5181206	33.031 ug/ml
3) T A~Naphthalene (C11.7)	6.211	5972810	35.555 ug/ml
4) T n-Dodecane (C12)	6.680	5732407	36.653 ug/ml
5) T A~2-methylnaphthalene...	7.313	5618625	35.213 ug/ml
6) T n-Tetradecane (C14)	8.516	5913269	38.620 ug/ml
7) T n-Hexadecane (C16)	10.129	6201266	40.230 ug/ml
8) T n-Octadecane (C18)	11.577	6009813	39.625 ug/ml
10) T n-Eicosane (C20)	12.891	6152256	43.151 ug/ml
11) T n-Heneicosane (C21)	13.504	5867235	42.280 ug/ml
13) T n-Docosane (C22)	14.093	5908723	43.143 ug/ml
14) T n-Tetracosane (C24)	15.185	12568616	93.060 ug/ml
15) T n-Hexacosane (C26)	16.223	5658567	42.416 ug/ml
16) T n-Octacosane (C28)	17.173	6050957	45.852 ug/ml
17) T n-Tricontane (C30)	18.063	5785223	42.683 ug/ml
18) T n-Dotriacontane (C32)	18.895	5764618	42.839 ug/ml
19) T n-Tetratriacontane (C34)	19.681	5954256	46.016 ug/ml
20) T n-Hexatriacontane (C36)	20.423	5867320	49.392 ug/ml
21) T n-Octatriacontane (C38)	21.161	5970086	51.942 ug/ml
22) T n-Tetracontane (C40)	22.074	5845112	52.043 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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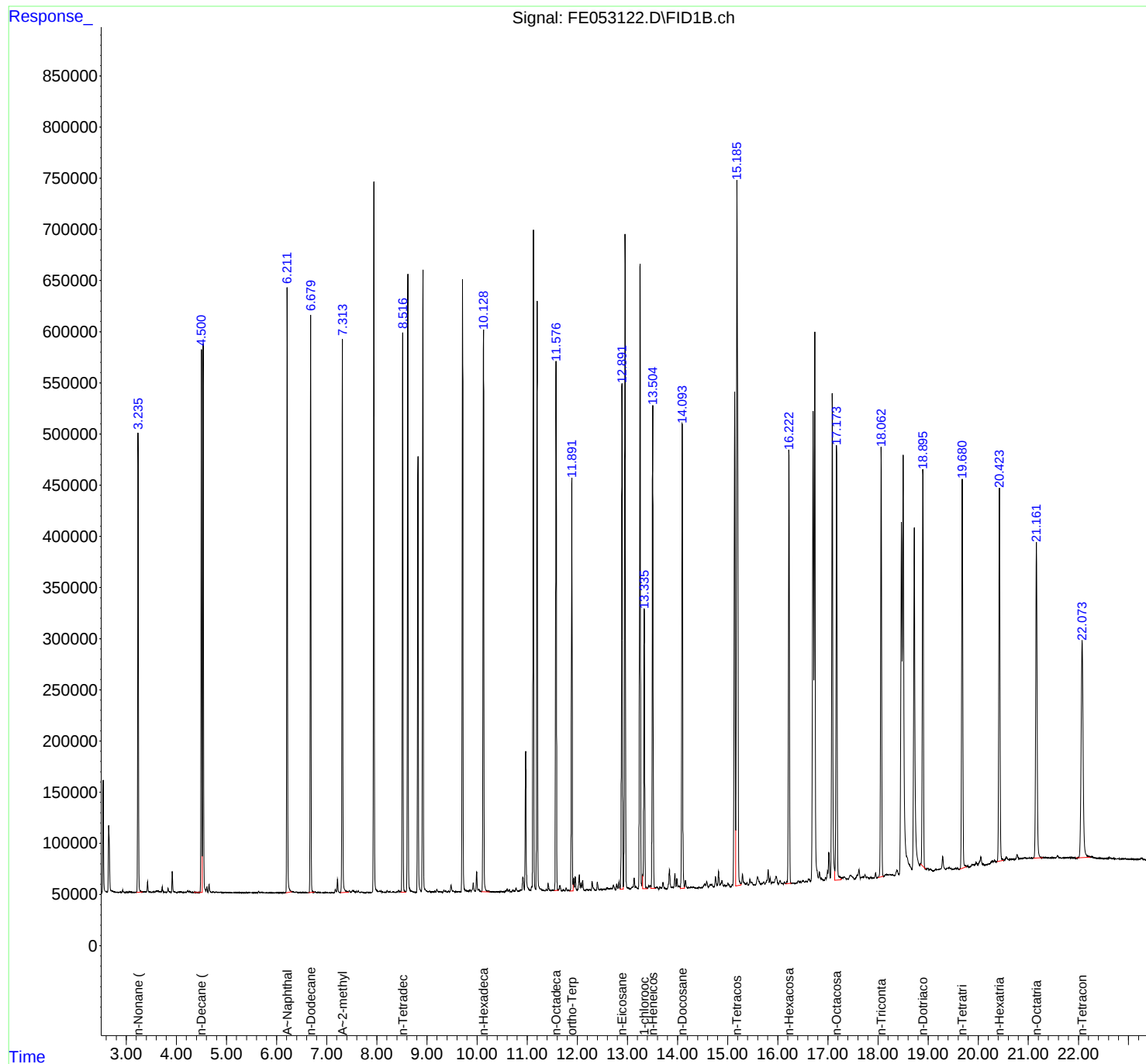
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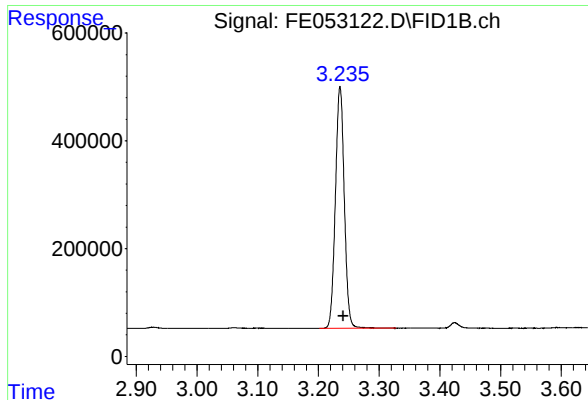
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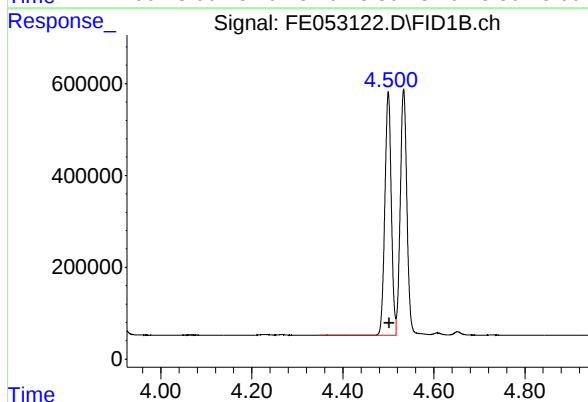
#1 n-Nonane (C9)

R.T.: 3.236 min
Delta R.T.: -0.005 min
Response: 4572555
Conc: 29.53 ug/ml

Instrument :
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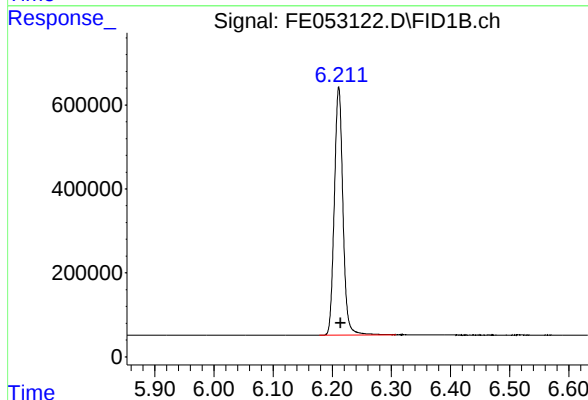
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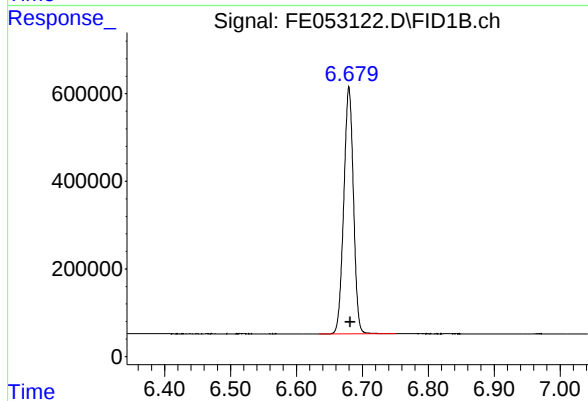
#2 n-Decane (C10)

R.T.: 4.500 min
Delta R.T.: -0.002 min
Response: 5181206
Conc: 33.03 ug/ml



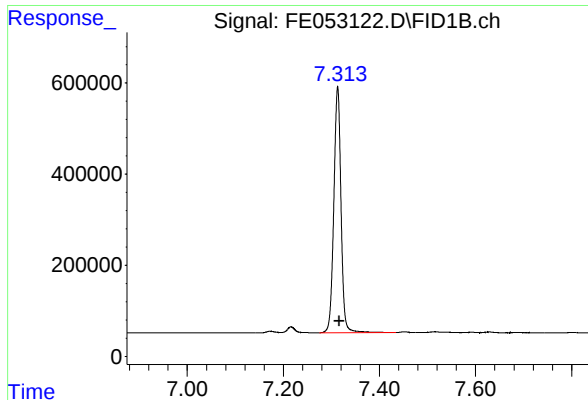
#3 A~Naphthalene (C11.7)

R.T.: 6.211 min
Delta R.T.: -0.003 min
Response: 5972810
Conc: 35.55 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.680 min
Delta R.T.: -0.002 min
Response: 5732407
Conc: 36.65 ug/ml



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

R.T.: 7.313 min
Delta R.T.: -0.003 min
Response: 5618625
Conc: 35.21 ug/ml

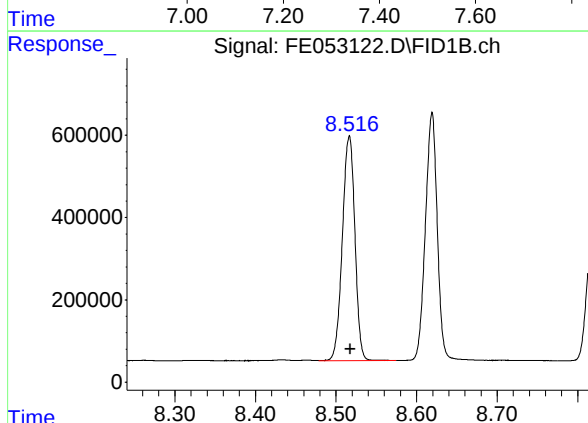
Instrument :

FID_E

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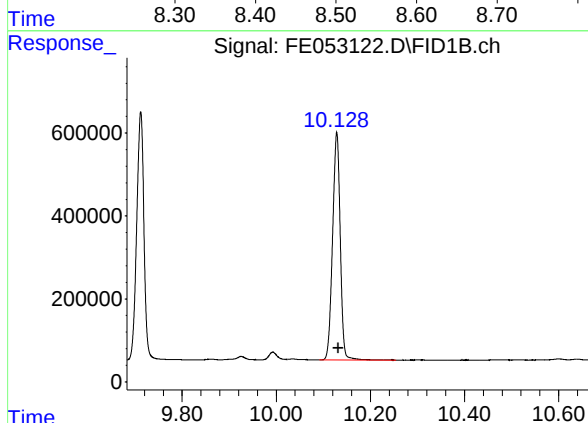
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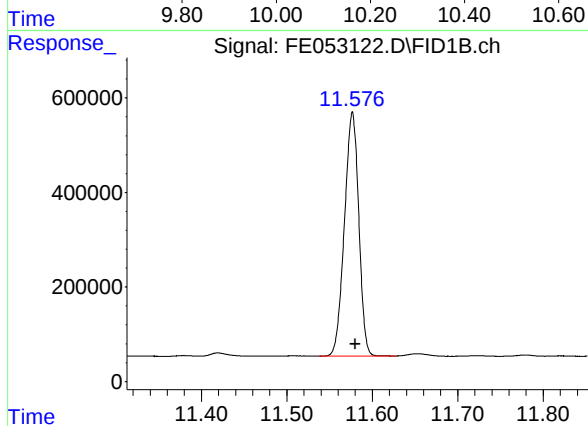
#6 n-Tetradecane (C14)

R.T.: 8.516 min
Delta R.T.: -0.002 min
Response: 5913269
Conc: 38.62 ug/ml



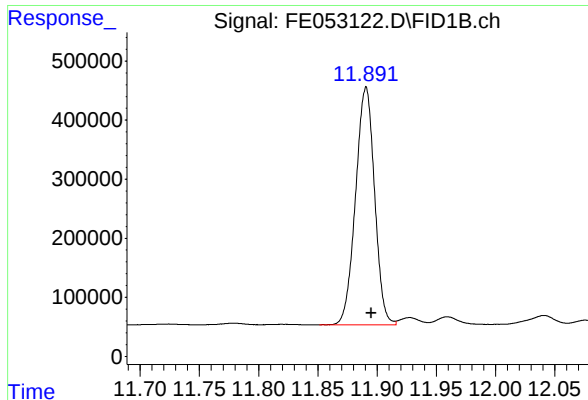
#7 n-Hexadecane (C16)

R.T.: 10.129 min
Delta R.T.: -0.003 min
Response: 6201266
Conc: 40.23 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.577 min
Delta R.T.: -0.004 min
Response: 6009813
Conc: 39.63 ug/ml



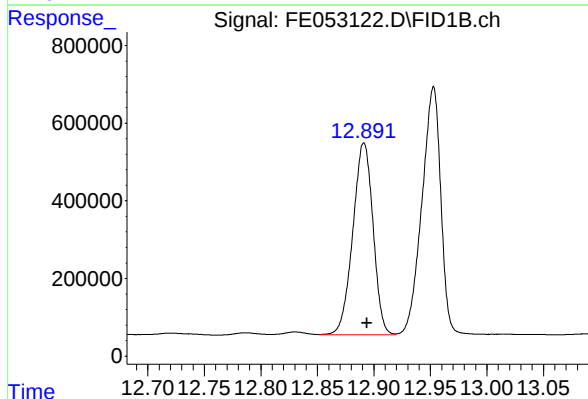
#9 ortho-Terphenyl (SURR)

R.T.: 11.891 min
Delta R.T.: -0.005 min
Response: 4484996
Conc: 27.54 ug/ml

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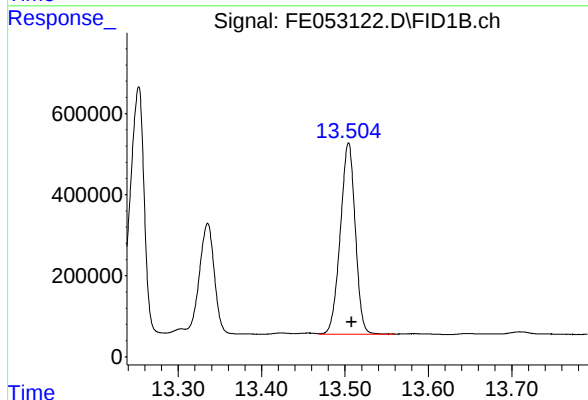
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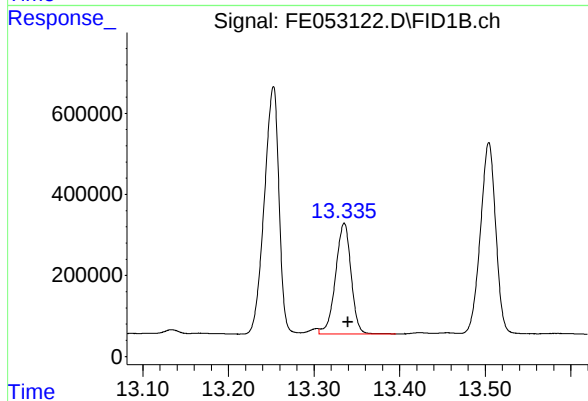
#10 n-Eicosane (C20)

R.T.: 12.891 min
Delta R.T.: -0.003 min
Response: 6152256
Conc: 43.15 ug/ml



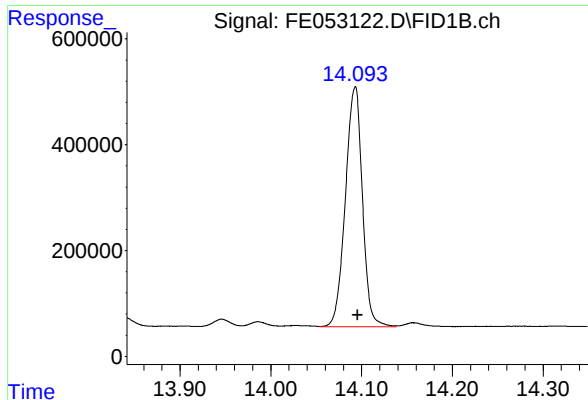
#11 n-Heneicosane (C21)

R.T.: 13.504 min
Delta R.T.: -0.004 min
Response: 5867235
Conc: 42.28 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.335 min
Delta R.T.: -0.005 min
Response: 3443863
Conc: 28.69 ug/ml m



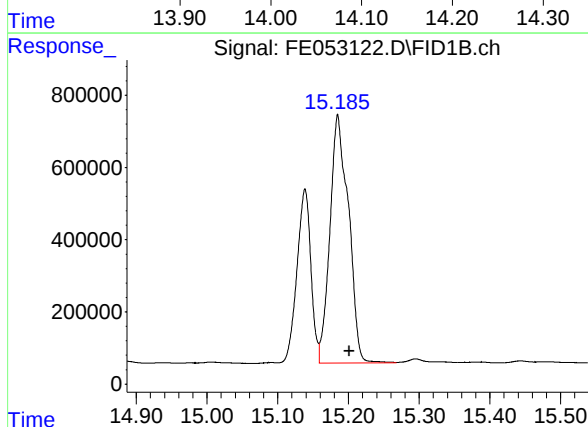
#13 n-Docosane (C22)

R.T.: 14.093 min
Delta R.T.: -0.003 min
Response: 5908723
Conc: 43.14 ug/ml

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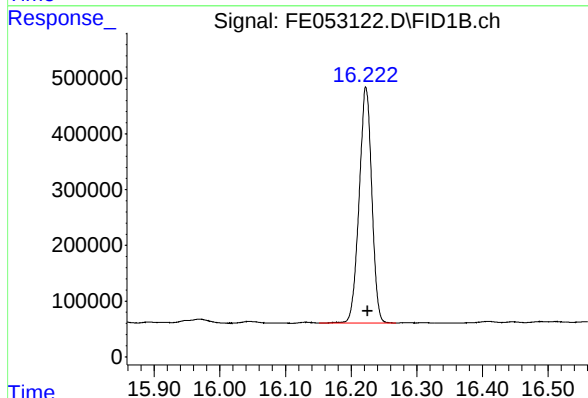
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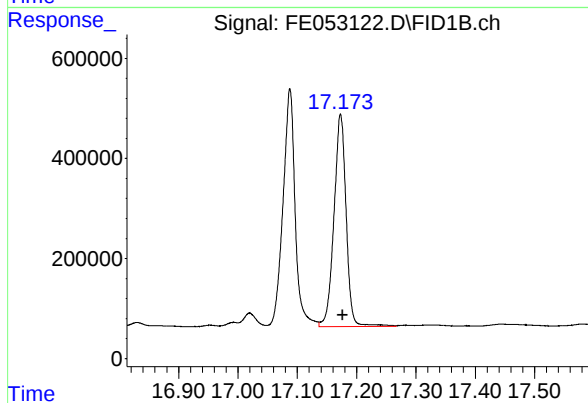
#14 n-Tetracosane (C24)

R.T.: 15.185 min
Delta R.T.: -0.016 min
Response: 12568616
Conc: 93.06 ug/ml



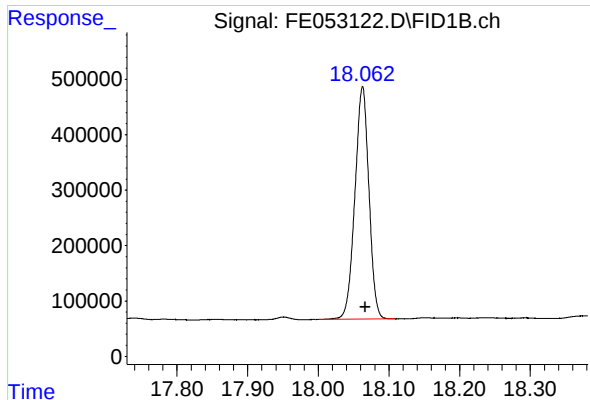
#15 n-Hexacosane (C26)

R.T.: 16.223 min
Delta R.T.: -0.003 min
Response: 5658567
Conc: 42.42 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.173 min
Delta R.T.: -0.004 min
Response: 6050957
Conc: 45.85 ug/ml



#17 n-Tricontane (C30)

R.T.: 18.063 min
Delta R.T.: -0.004 min
Response: 5785223
Conc: 42.68 ug/ml

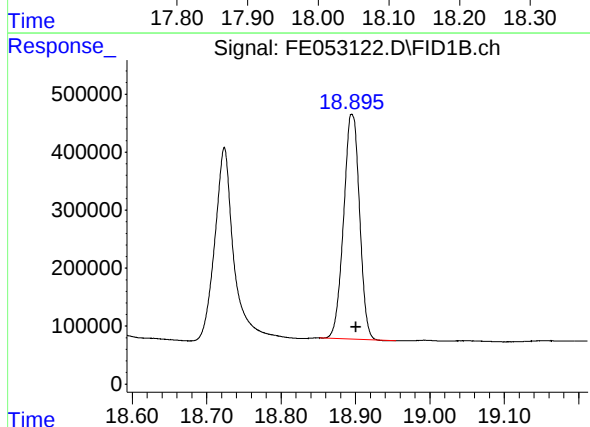
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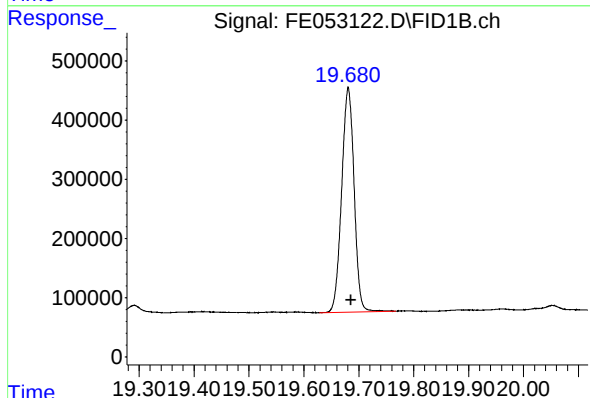
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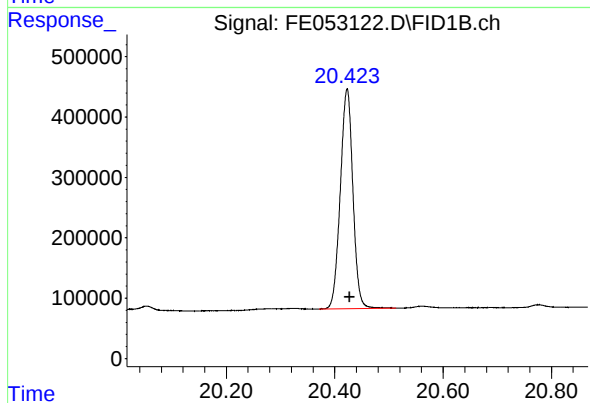
#18 n-Dotriacontane (C32)

R.T.: 18.895 min
Delta R.T.: -0.005 min
Response: 5764618
Conc: 42.84 ug/ml



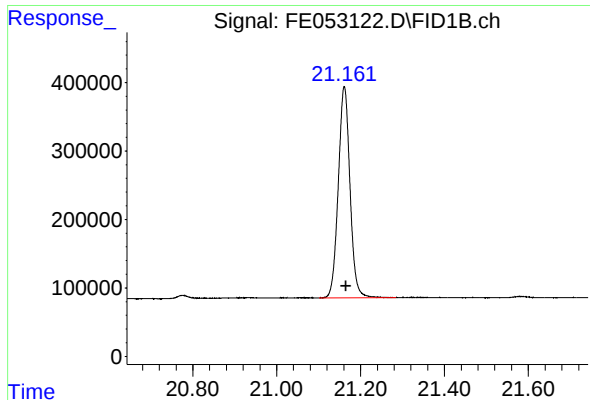
#19 n-Tetratriacontane (C34)

R.T.: 19.681 min
Delta R.T.: -0.005 min
Response: 5954256
Conc: 46.02 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.423 min
Delta R.T.: -0.005 min
Response: 5867320
Conc: 49.39 ug/ml



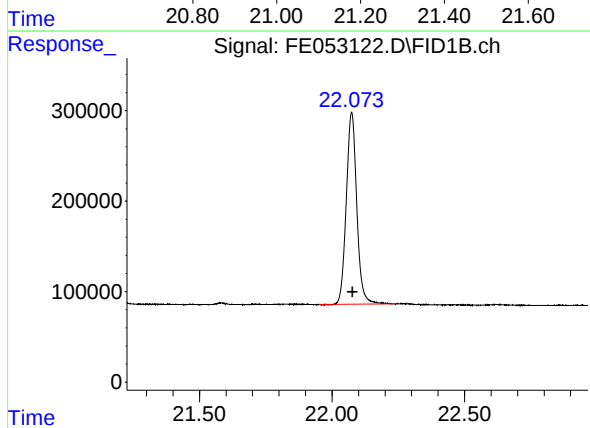
#21 n-Octatriacontane (C38)

R.T.: 21.161 min
Delta R.T.: -0.004 min
Response: 5970086
Conc: 51.94 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.074 min
Delta R.T.: -0.005 min
Response: 5845112
Conc: 52.04 ug/ml