

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020325AL\
 Data File : FE052207.D
 Signal(s) : FID1B.ch
 Acq On : 03 Feb 2025 13:54
 Operator : YP\AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/04/2025
 Supervised By :Ankita Jodhani 02/04/2025

Integration File: autoint1.e
 Quant Time: Feb 03 14:21:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
 Quant Title : GC Extractables
 QLast Update : Mon Feb 03 14:21:31 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)	12.277	1238230	10.237 ug/ml
Spiked Amount 50.000		Recovery =	20.47%
12) S 1-chlorooctadecane (S...	13.692	986944	10.230 ug/ml
Spiked Amount 50.000		Recovery =	20.46%
Target Compounds			
1) T n-Nonane (C9)	3.729	938941	10.288 ug/ml
2) T n-Decane (C10)	4.960	962570	10.251 ug/ml
3) T A~Naphthalene (C11.7)	6.666	1068394	10.204 ug/ml
4) T n-Dodecane (C12)	7.096	989497	10.203 ug/ml
5) T A~2-methylnaphthalene...	7.749	1037240	10.082 ug/ml
6) T n-Tetradecane (C14)	8.908	1004411	10.137 ug/ml
7) T n-Hexadecane (C16)	10.505	1082834	10.189 ug/ml
8) T n-Octadecane (C18)	11.940	1134536	10.226 ug/ml
10) T n-Eicosane (C20)	13.245	1128534	10.250 ug/ml
11) T n-Heneicosane (C21)	13.855	1126899	10.252 ug/ml
13) T n-Docosane (C22)	14.439	1133675	10.255 ug/ml
14) T n-Tetracosane (C24)	15.538	1151247	10.251 ug/ml
15) T n-Hexacosane (C26)	16.556	1152330	10.281 ug/ml
16) T n-Octacosane (C28)	17.503	1139904	10.322 ug/ml
17) T n-Tricontane (C30)	18.388	1152823	10.399 ug/ml
18) T n-Dotriacontane (C32)	19.219	1100242	10.431 ug/ml
19) T n-Tetratriacontane (C34)	20.001	951382	10.356 ug/ml
20) T n-Hexatriacontane (C36)	20.739	843309	10.518 ug/ml
21) T n-Octatriacontane (C38)	21.550	734685	10.160 ug/mlm
22) T n-Tetracontane (C40)	22.588	776821	10.657 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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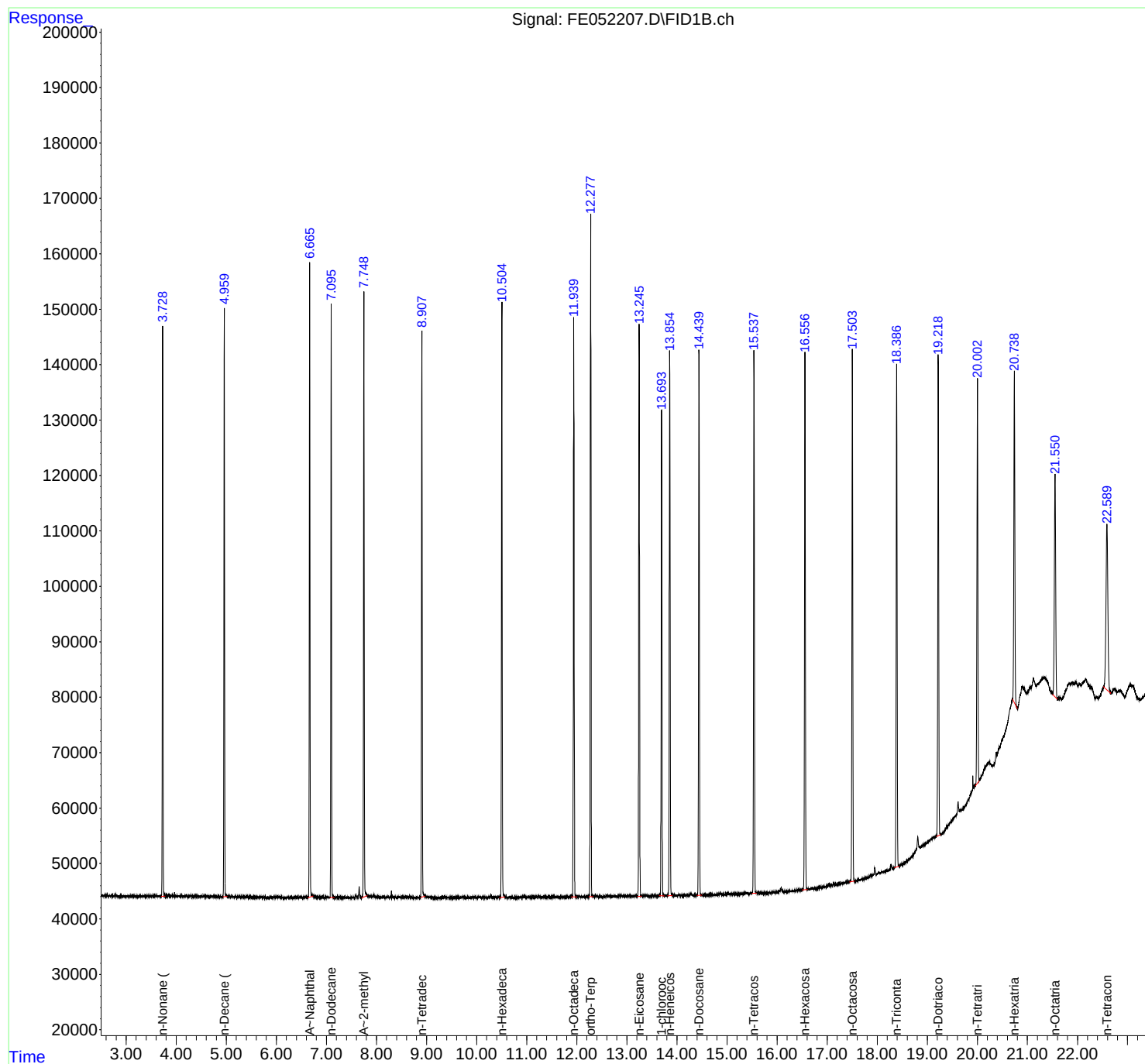
Instrument :
FID_E
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10 PPM ALIPHATIC HC STD4

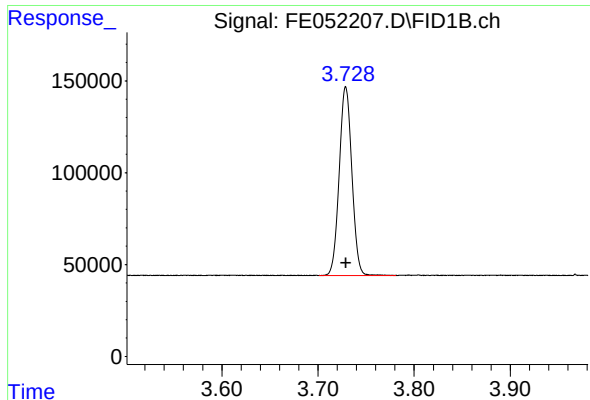
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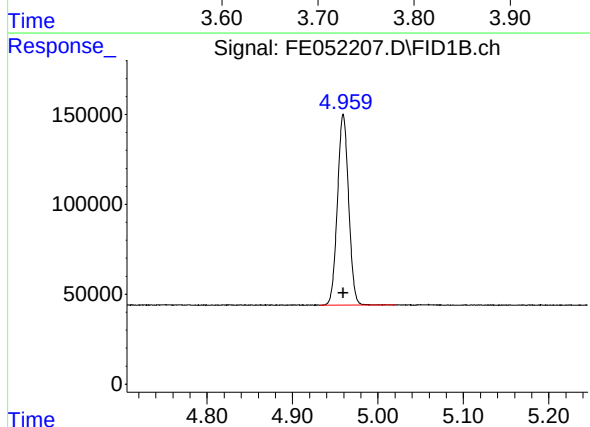
#1 n-Nonane (C9)

R.T.: 3.729 min
Delta R.T.: 0.000 min
Response: 938941
Conc: 10.29 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

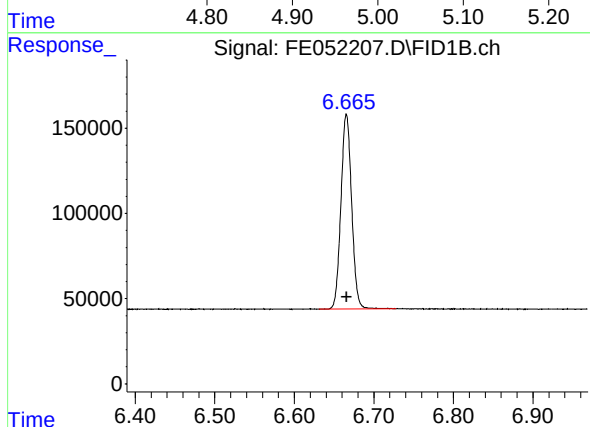
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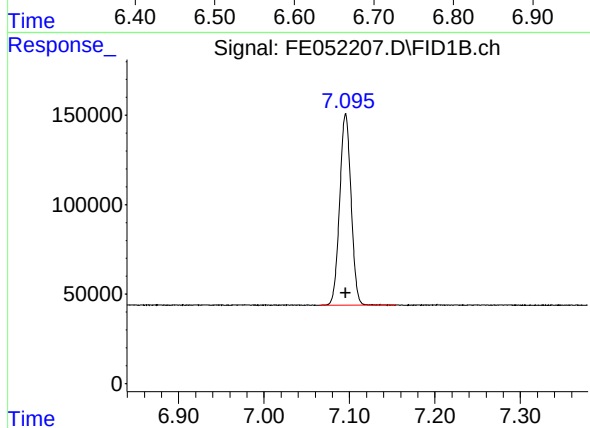
#2 n-Decane (C10)

R.T.: 4.960 min
Delta R.T.: 0.000 min
Response: 962570
Conc: 10.25 ug/ml



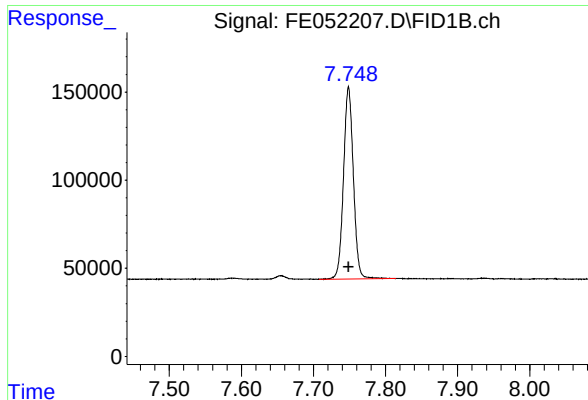
#3 A~Naphthalene (C11.7)

R.T.: 6.666 min
Delta R.T.: 0.000 min
Response: 1068394
Conc: 10.20 ug/ml



#4 n-Dodecane (C12)

R.T.: 7.096 min
Delta R.T.: 0.000 min
Response: 989497
Conc: 10.20 ug/ml



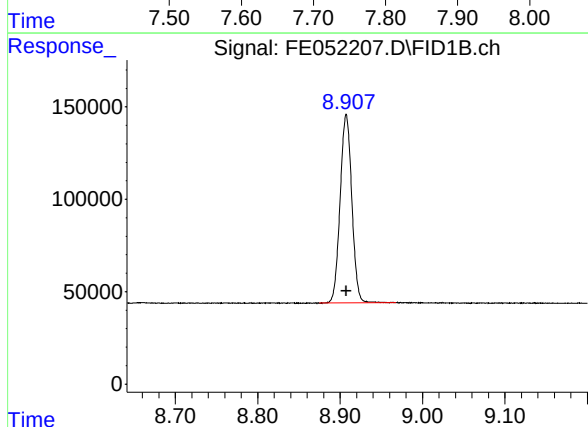
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.749 min
Delta R.T.: 0.000 min
Response: 1037240
Conc: 10.08 ug/ml

Instrument : FID_E
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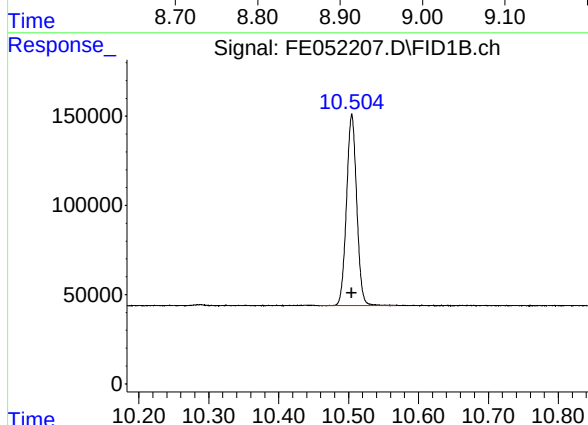
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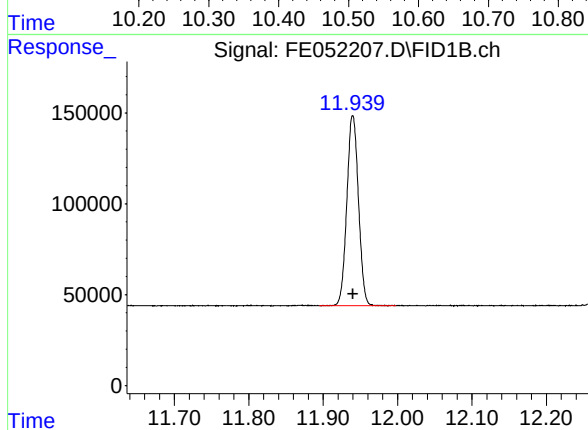
#6 n-Tetradecane (C14)

R.T.: 8.908 min
Delta R.T.: 0.000 min
Response: 1004411
Conc: 10.14 ug/ml



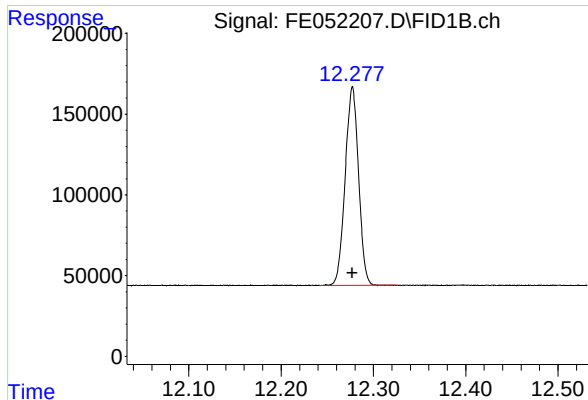
#7 n-Hexadecane (C16)

R.T.: 10.505 min
Delta R.T.: 0.000 min
Response: 1082834
Conc: 10.19 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.940 min
Delta R.T.: 0.000 min
Response: 1134536
Conc: 10.23 ug/ml



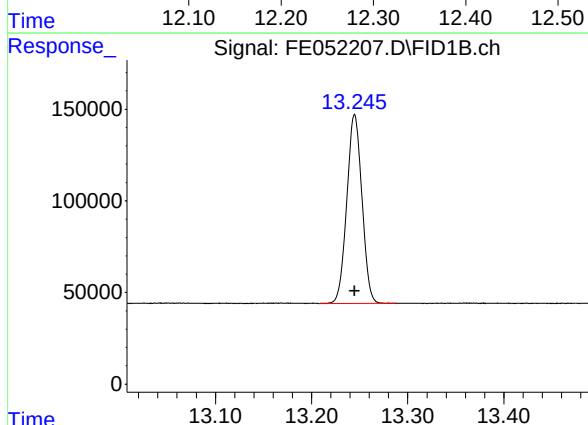
#9 ortho-Terphenyl (SURR)

R.T.: 12.277 min
Delta R.T.: 0.000 min
Response: 1238230
Conc: 10.24 ug/ml

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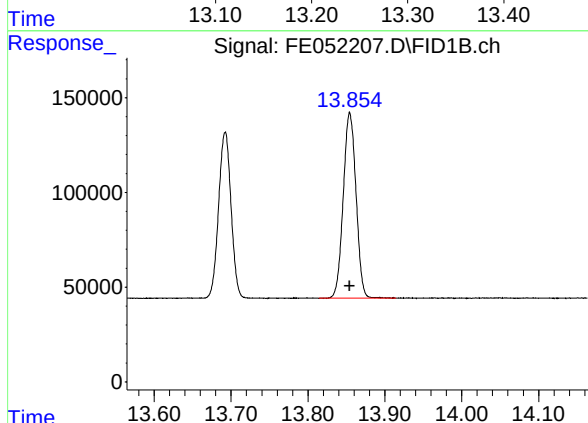
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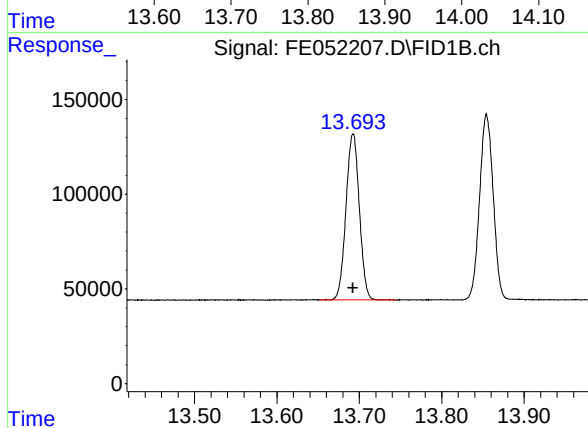
#10 n-Eicosane (C20)

R.T.: 13.245 min
Delta R.T.: 0.000 min
Response: 1128534
Conc: 10.25 ug/ml



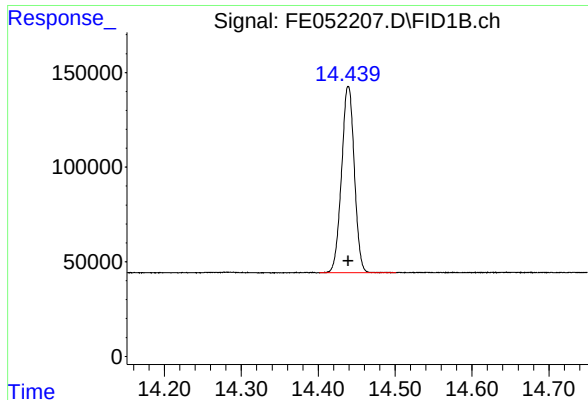
#11 n-Heneicosane (C21)

R.T.: 13.855 min
Delta R.T.: 0.000 min
Response: 1126899
Conc: 10.25 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.692 min
Delta R.T.: 0.000 min
Response: 986944
Conc: 10.23 ug/ml



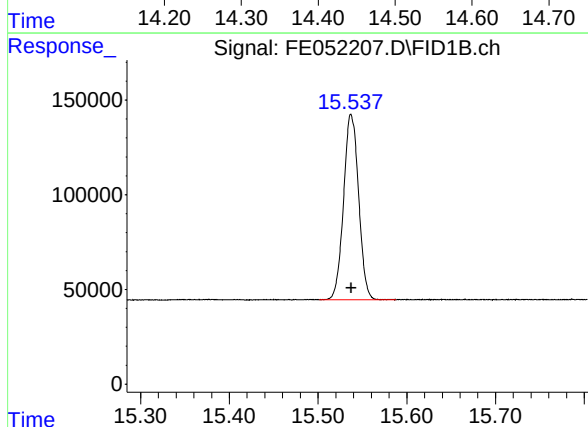
#13 n-Docosane (C22)

R.T.: 14.439 min
Delta R.T.: 0.000 min
Response: 1133675
Conc: 10.26 ug/ml

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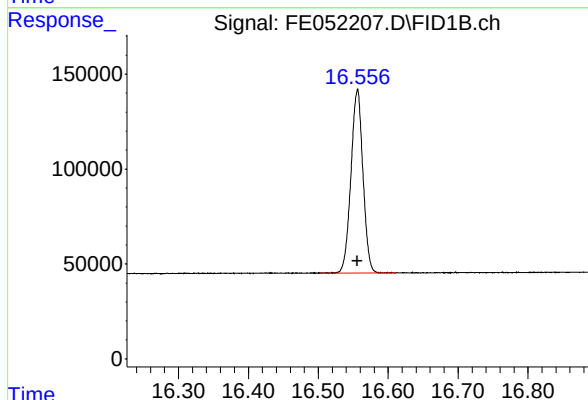
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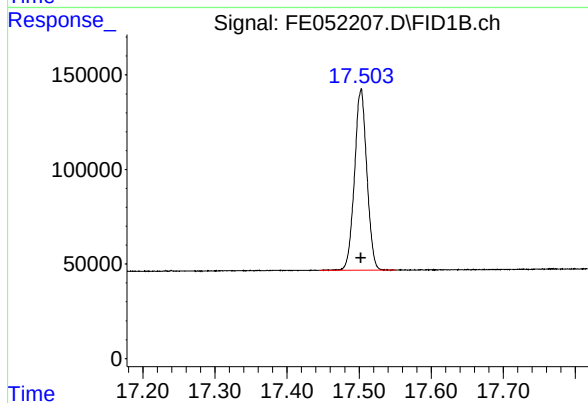
#14 n-Tetracosane (C24)

R.T.: 15.538 min
Delta R.T.: 0.000 min
Response: 1151247
Conc: 10.25 ug/ml



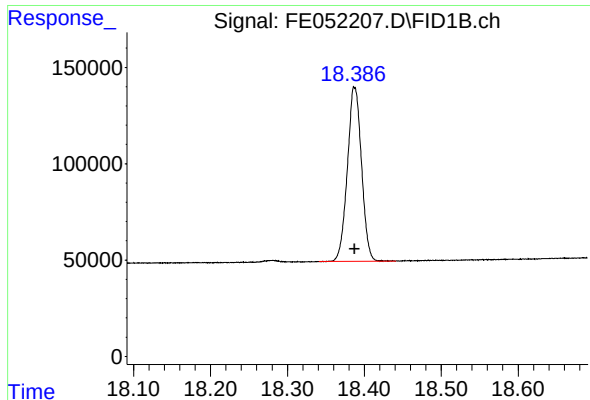
#15 n-Hexacosane (C26)

R.T.: 16.556 min
Delta R.T.: 0.000 min
Response: 1152330
Conc: 10.28 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.503 min
Delta R.T.: 0.000 min
Response: 1139904
Conc: 10.32 ug/ml



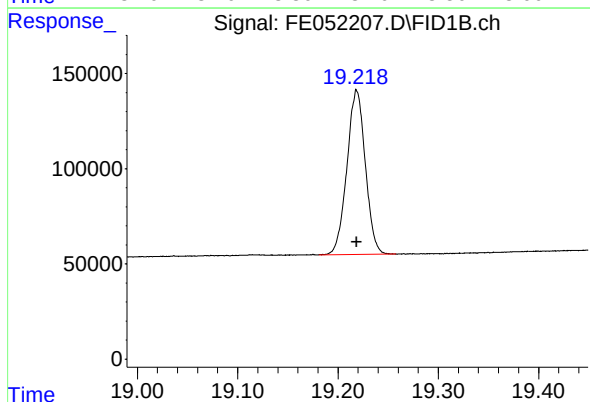
#17 n-Tricontane (C30)

R.T.: 18.388 min
Delta R.T.: 0.000 min
Response: 1152823
Conc: 10.40 ug/ml

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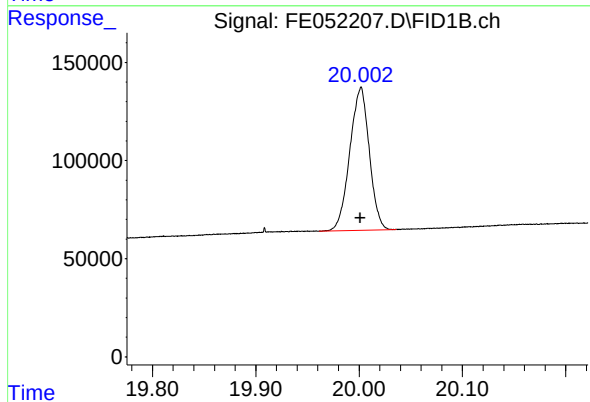
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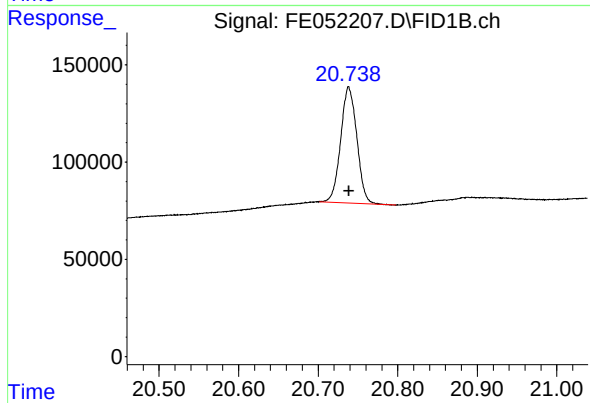
#18 n-Dotriacontane (C32)

R.T.: 19.219 min
Delta R.T.: 0.000 min
Response: 1100242
Conc: 10.43 ug/ml



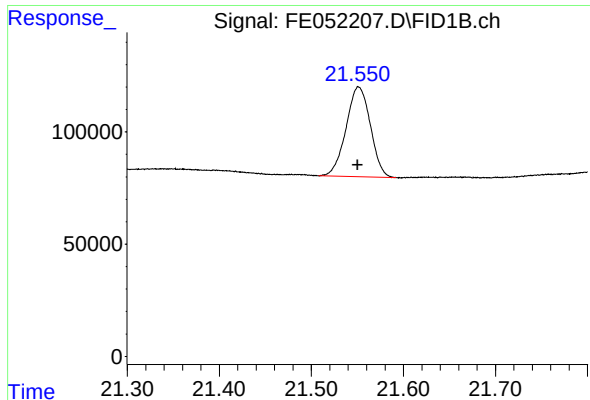
#19 n-Tetratriacontane (C34)

R.T.: 20.001 min
Delta R.T.: 0.000 min
Response: 951382
Conc: 10.36 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.739 min
Delta R.T.: 0.000 min
Response: 843309
Conc: 10.52 ug/ml



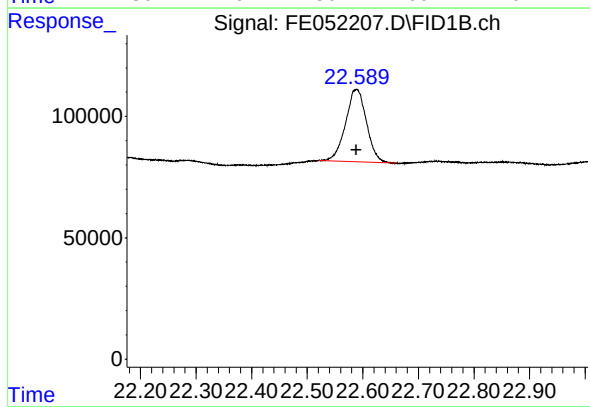
#21 n-Octatriacontane (C38)

R.T.: 21.550 min
Delta R.T.: 0.000 min
Response: 734685
Conc: 10.16 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.588 min
Delta R.T.: 0.000 min
Response: 776821
Conc: 10.66 ug/ml