

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE121924AL\
 Data File : FE051725.D
 Signal(s) : FID1B.ch
 Acq On : 19 Dec 2024 22:01
 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 12/20/2024
 Supervised By :Ankita Jodhani 12/20/2024

Integration File: autoint1.e
 Quant Time: Dec 20 04:31:32 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 121724.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 17 15:04:25 2024
 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)	12.030	3142167	19.572 ug/ml
Spiked Amount 50.000		Recovery =	39.14%
12) S 1-chlorooctadecane (S...	13.450	2427005	19.239 ug/ml
Spiked Amount 50.000		Recovery =	38.48%
Target Compounds			
1) T n-Nonane (C9)	3.493	2411296	20.124 ug/ml
2) T n-Decane (C10)	4.727	2504285	20.142 ug/ml
3) T A~Naphthalene (C11.7)	6.418	2886301	20.255 ug/ml
4) T n-Dodecane (C12)	6.865	2613874	20.088 ug/ml
5) T A~2-methylnaphthalene...	7.502	2853437	20.163 ug/ml
6) T n-Tetradecane (C14)	8.677	2672639	19.933 ug/ml
7) T n-Hexadecane (C16)	10.273	2835413	19.840 ug/ml
8) T n-Octadecane (C18)	11.706	2925241	19.844 ug/ml
10) T n-Eicosane (C20)	13.007	2810553	19.536 ug/ml
11) T n-Heneicosane (C21)	13.616	3459452	24.344 ug/mlm
13) T n-Docosane (C22)	14.197	2753857	19.533 ug/ml
14) T n-Tetracosane (C24)	15.292	2753187	19.733 ug/ml
15) T n-Hexacosane (C26)	16.306	2653782	19.696 ug/ml
16) T n-Octacosane (C28)	17.249	2597627	19.968 ug/ml
17) T n-Tricontane (C30)	18.131	2617449	19.778 ug/ml
18) T n-Dotriacontane (C32)	18.957	2540809	20.267 ug/ml
19) T n-Tetratriacontane (C34)	19.733	2263337	20.572 ug/mlm
20) T n-Hexatriacontane (C36)	20.467	1980505	20.628 ug/ml
21) T n-Octatriacontane (C38)	21.209	2137632	23.739 ug/ml
22) T n-Tetracontane (C40)	22.137	1916242	19.633 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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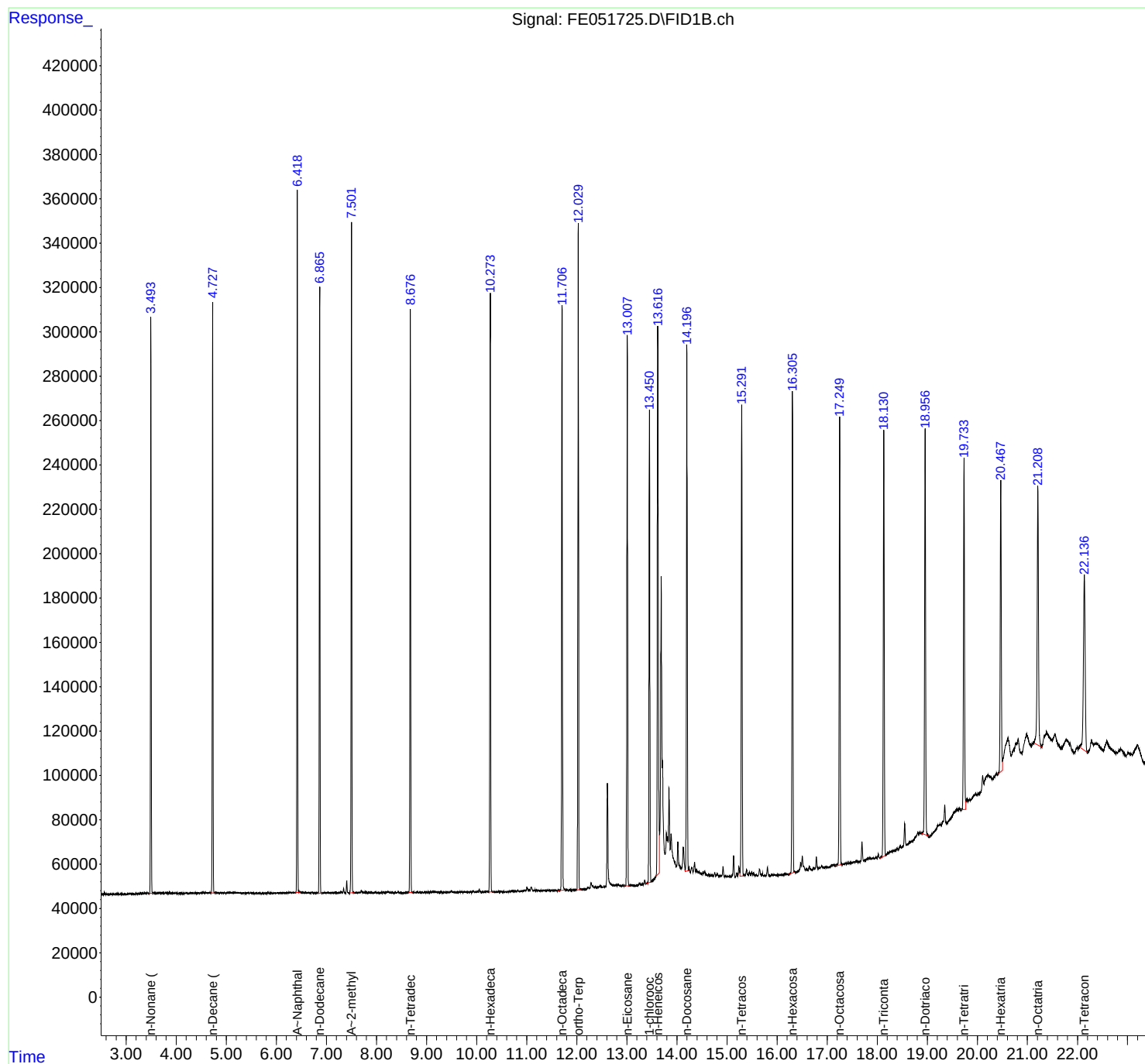
Instrument :
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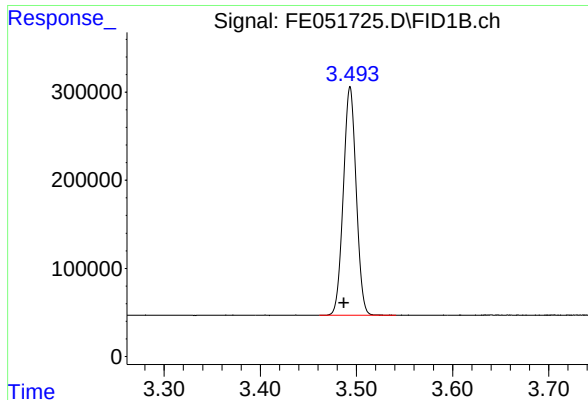
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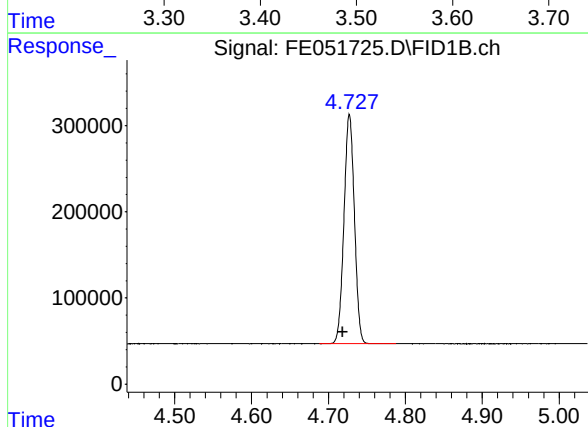
#1 n-Nonane (C9)

R.T.: 3.493 min
Delta R.T.: 0.006 min
Response: 2411296
Conc: 20.12 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

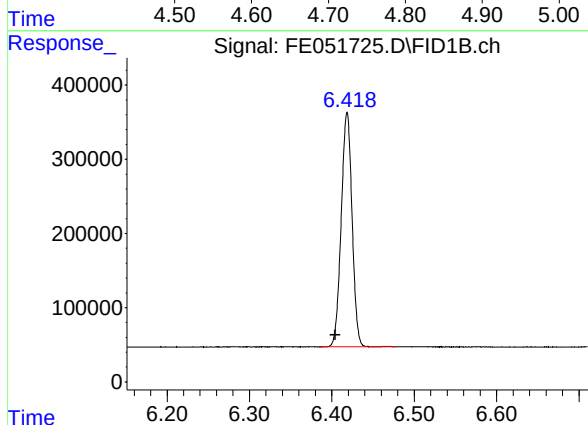
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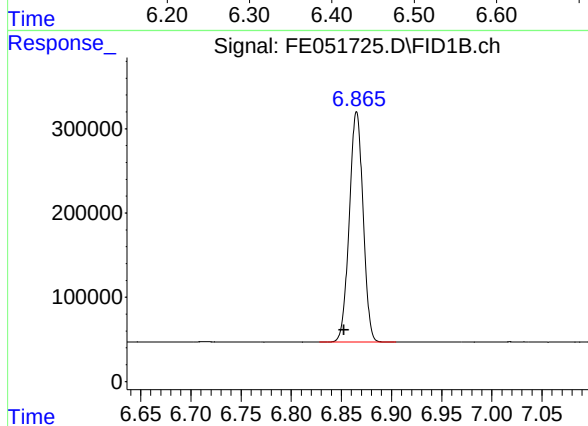
#2 n-Decane (C10)

R.T.: 4.727 min
Delta R.T.: 0.009 min
Response: 2504285
Conc: 20.14 ug/ml



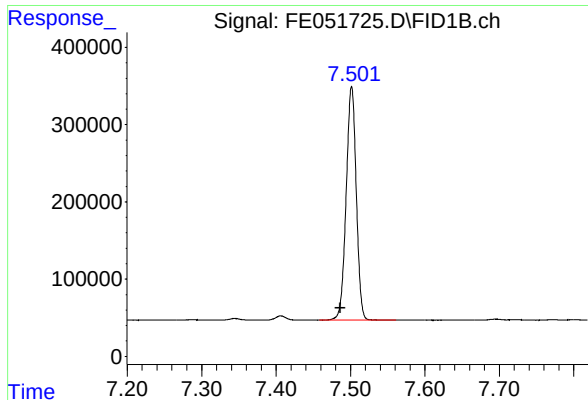
#3 A~Naphthalene (C11.7)

R.T.: 6.418 min
Delta R.T.: 0.014 min
Response: 2886301
Conc: 20.25 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.865 min
Delta R.T.: 0.012 min
Response: 2613874
Conc: 20.09 ug/ml



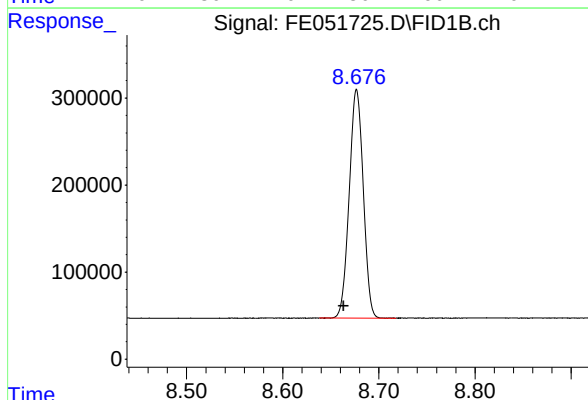
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.502 min
Delta R.T.: 0.015 min
Response: 2853437
Conc: 20.16 ug/ml

Instrument :
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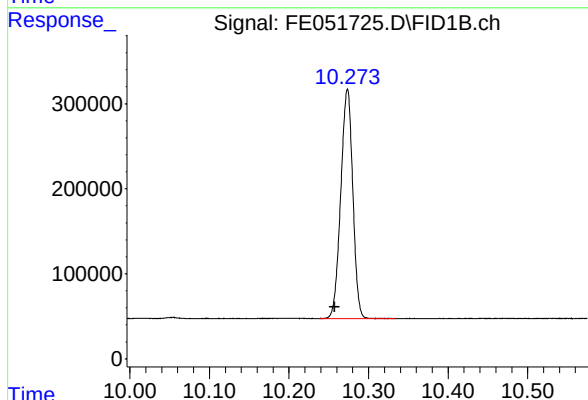
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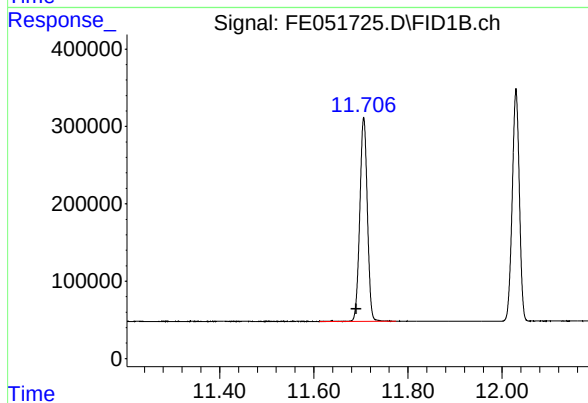
#6 n-Tetradecane (C14)

R.T.: 8.677 min
Delta R.T.: 0.014 min
Response: 2672639
Conc: 19.93 ug/ml



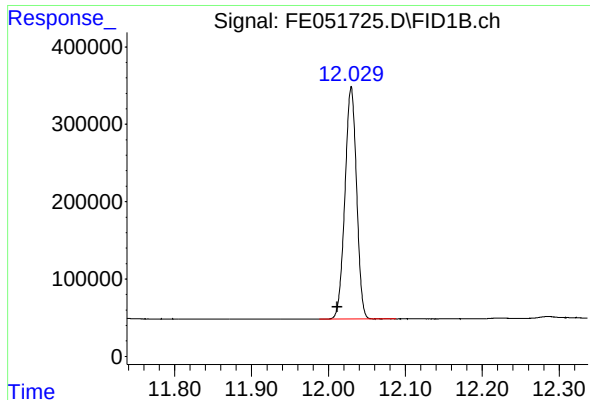
#7 n-Hexadecane (C16)

R.T.: 10.273 min
Delta R.T.: 0.016 min
Response: 2835413
Conc: 19.84 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.706 min
Delta R.T.: 0.016 min
Response: 2925241
Conc: 19.84 ug/ml



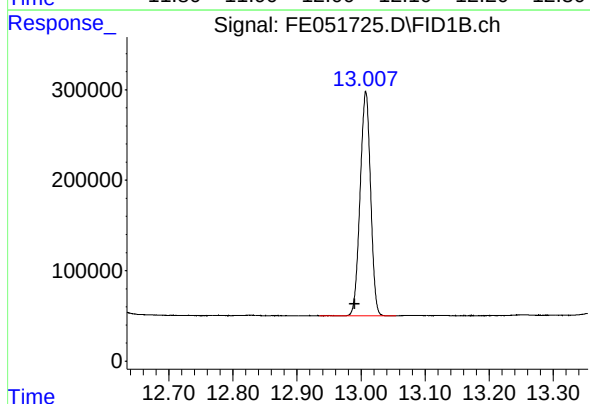
#9 ortho-Terphenyl (SURR)

R.T.: 12.030 min
Delta R.T.: 0.018 min
Response: 3142167
Conc: 19.57 ug/ml

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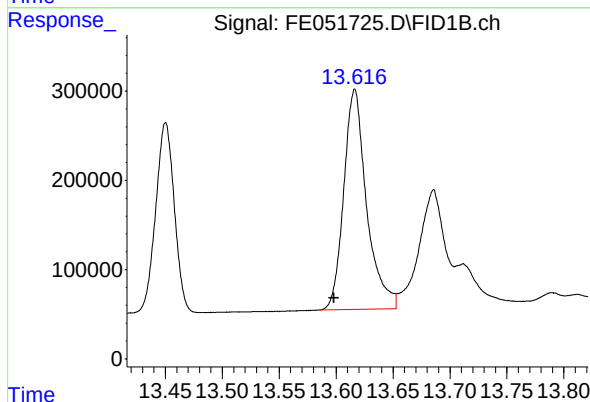
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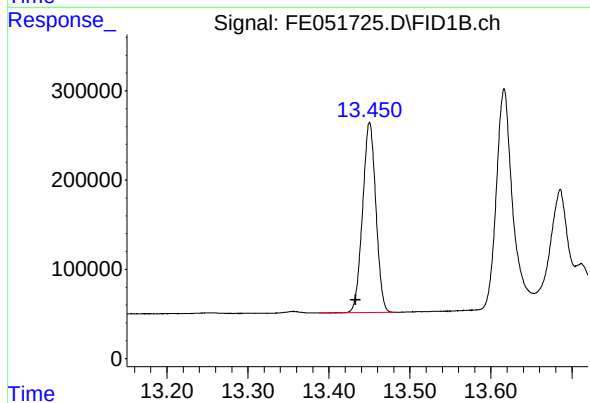
#10 n-Eicosane (C20)

R.T.: 13.007 min
Delta R.T.: 0.017 min
Response: 2810553
Conc: 19.54 ug/ml



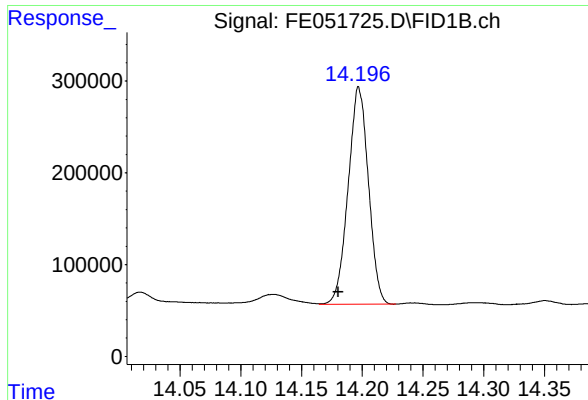
#11 n-Heneicosane (C21)

R.T.: 13.616 min
Delta R.T.: 0.018 min
Response: 3459452
Conc: 24.34 ug/ml m



#12 1-chlorooctadecane (SURR)

R.T.: 13.450 min
Delta R.T.: 0.017 min
Response: 2427005
Conc: 19.24 ug/ml



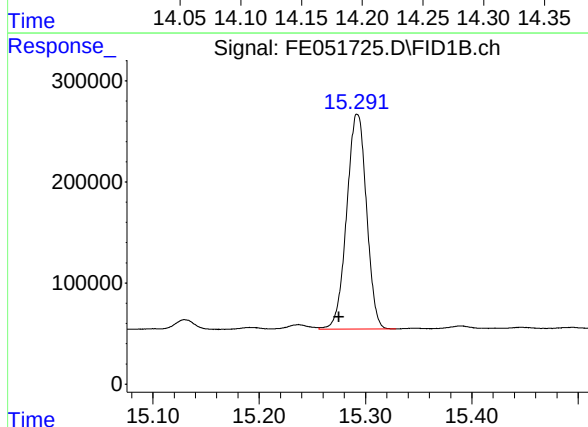
#13 n-Docosane (C22)

R.T.: 14.197 min
Delta R.T.: 0.017 min
Response: 2753857
Conc: 19.53 ug/ml

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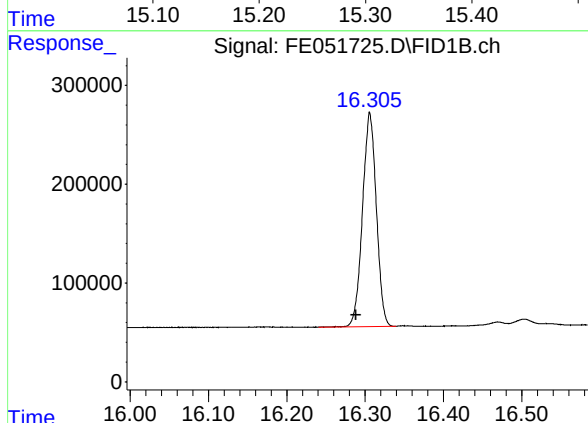
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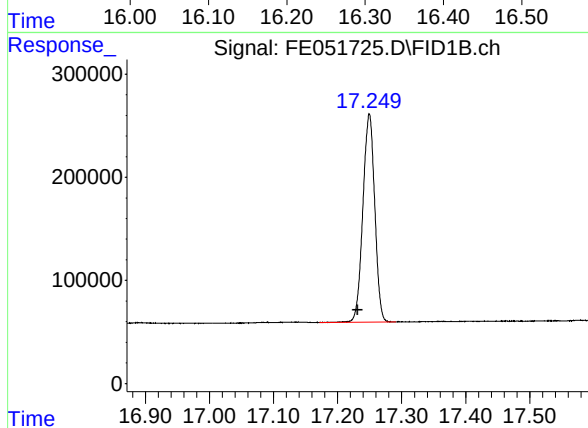
#14 n-Tetracosane (C24)

R.T.: 15.292 min
Delta R.T.: 0.017 min
Response: 2753187
Conc: 19.73 ug/ml



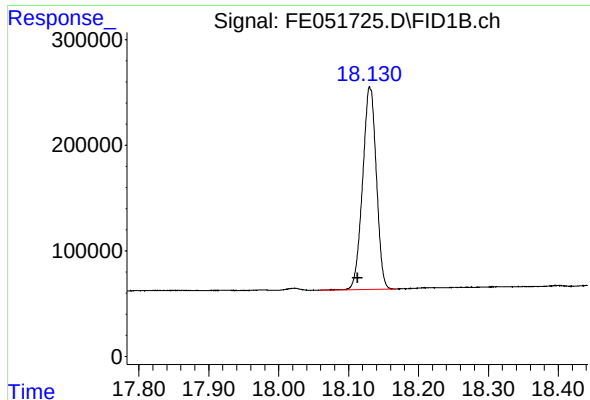
#15 n-Hexacosane (C26)

R.T.: 16.306 min
Delta R.T.: 0.018 min
Response: 2653782
Conc: 19.70 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.249 min
Delta R.T.: 0.018 min
Response: 2597627
Conc: 19.97 ug/ml



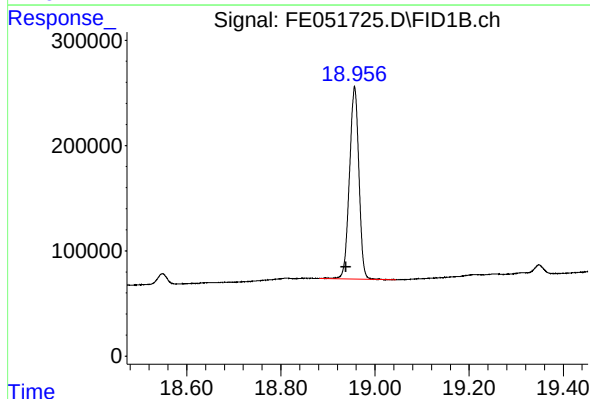
#17 n-Tricontane (C30)

R.T.: 18.131 min
Delta R.T.: 0.018 min
Response: 2617449
Conc: 19.78 ug/ml

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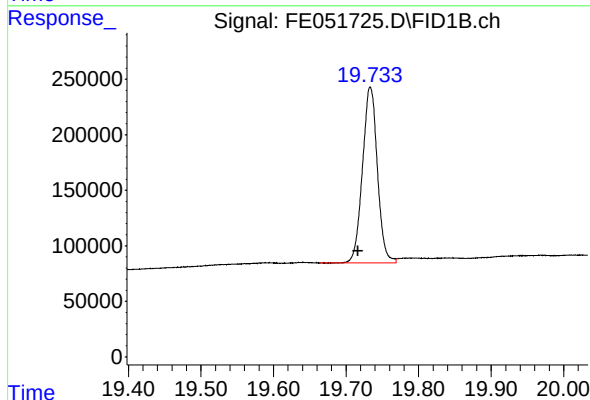
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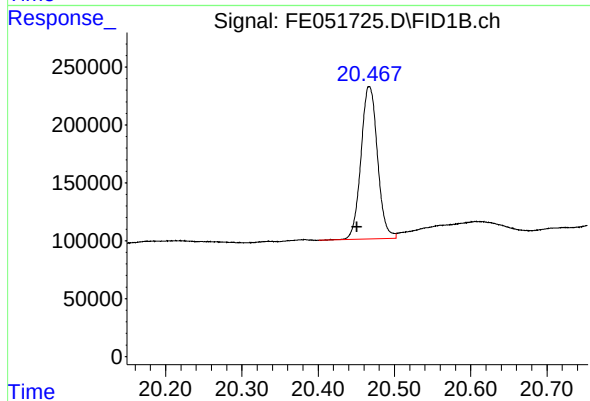
#18 n-Dotriacontane (C32)

R.T.: 18.957 min
Delta R.T.: 0.018 min
Response: 2540809
Conc: 20.27 ug/ml



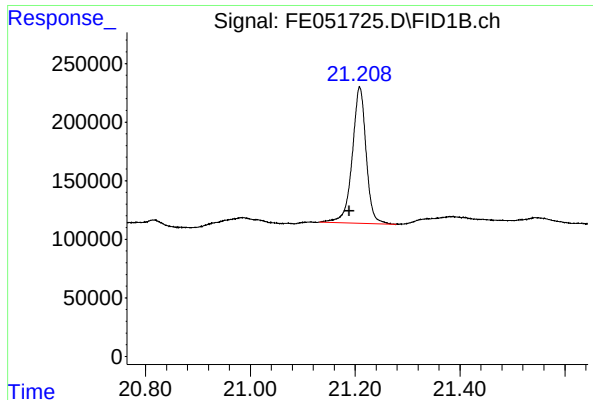
#19 n-Tetratriacontane (C34)

R.T.: 19.733 min
Delta R.T.: 0.016 min
Response: 2263337
Conc: 20.57 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.467 min
Delta R.T.: 0.016 min
Response: 1980505
Conc: 20.63 ug/ml



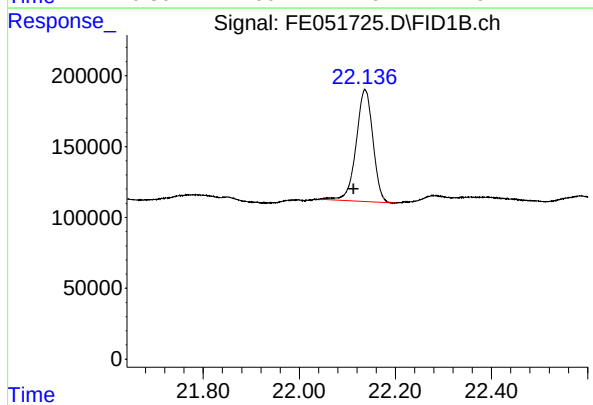
#21 n-Octatriacontane (C38)

R.T.: 21.209 min
Delta R.T.: 0.020 min
Response: 2137632
Conc: 23.74 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.137 min
Delta R.T.: 0.024 min
Response: 1916242
Conc: 19.63 ug/ml