

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE051624AL\
 Data File : FE048202.D
 Signal(s) : FID1B.ch
 Acq On : 16 May 2024 07:05
 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 05/17/2024
 Supervised By :Ankita Jodhani 05/17/2024

Integration File: autoint1.e
 Quant Time: May 17 01:27:16 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 042724.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 29 03:29:12 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)	11.958	2986045	20.698 ug/ml
Spiked Amount 50.000		Recovery =	41.40%
12) S 1-chlorooctadecane (S...	13.392	2265220	20.272 ug/ml
Spiked Amount 50.000		Recovery =	40.54%
Target Compounds			
1) T n-Nonane (C9)	3.346	3059308	23.738 ug/ml
2) T n-Decane (C10)	4.594	3091463	23.482 ug/ml
3) T A~Naphthalene (C11.7)	6.299	3098508	22.440 ug/ml
4) T n-Dodecane (C12)	6.759	3038343	22.791 ug/ml
5) T A~2-methylnaphthalene...	7.395	2902315	21.810 ug/ml
6) T n-Tetradecane (C14)	8.587	2912310	21.976 ug/ml
7) T n-Hexadecane (C16)	10.195	2934511	21.337 ug/ml
8) T n-Octadecane (C18)	11.637	2917884	20.947 ug/ml
10) T n-Eicosane (C20)	12.947	2757249	20.478 ug/ml
11) T n-Heneicosane (C21)	13.558	2689475	20.317 ug/ml
13) T n-Docosane (C22)	14.144	2674904	20.185 ug/ml
14) T n-Tetracosane (C24)	15.246	2673788	20.081 ug/ml
15) T n-Hexacosane (C26)	16.266	2669212	20.003 ug/ml
16) T n-Octacosane (C28)	17.214	2679369	20.123 ug/ml
17) T n-Tricontane (C30)	18.101	2800833	20.294 ug/ml
18) T n-Dotriacontane (C32)	18.932	2809202	20.338 ug/ml
19) T n-Tetratriacontane (C34)	19.716	2748856	20.179 ug/ml
20) T n-Hexatriacontane (C36)	20.455	2689227	19.861 ug/mlm
21) T n-Octatriacontane (C38)	21.193	2645711	19.162 ug/ml
22) T n-Tetracontane (C40)	22.114	2588620	18.580 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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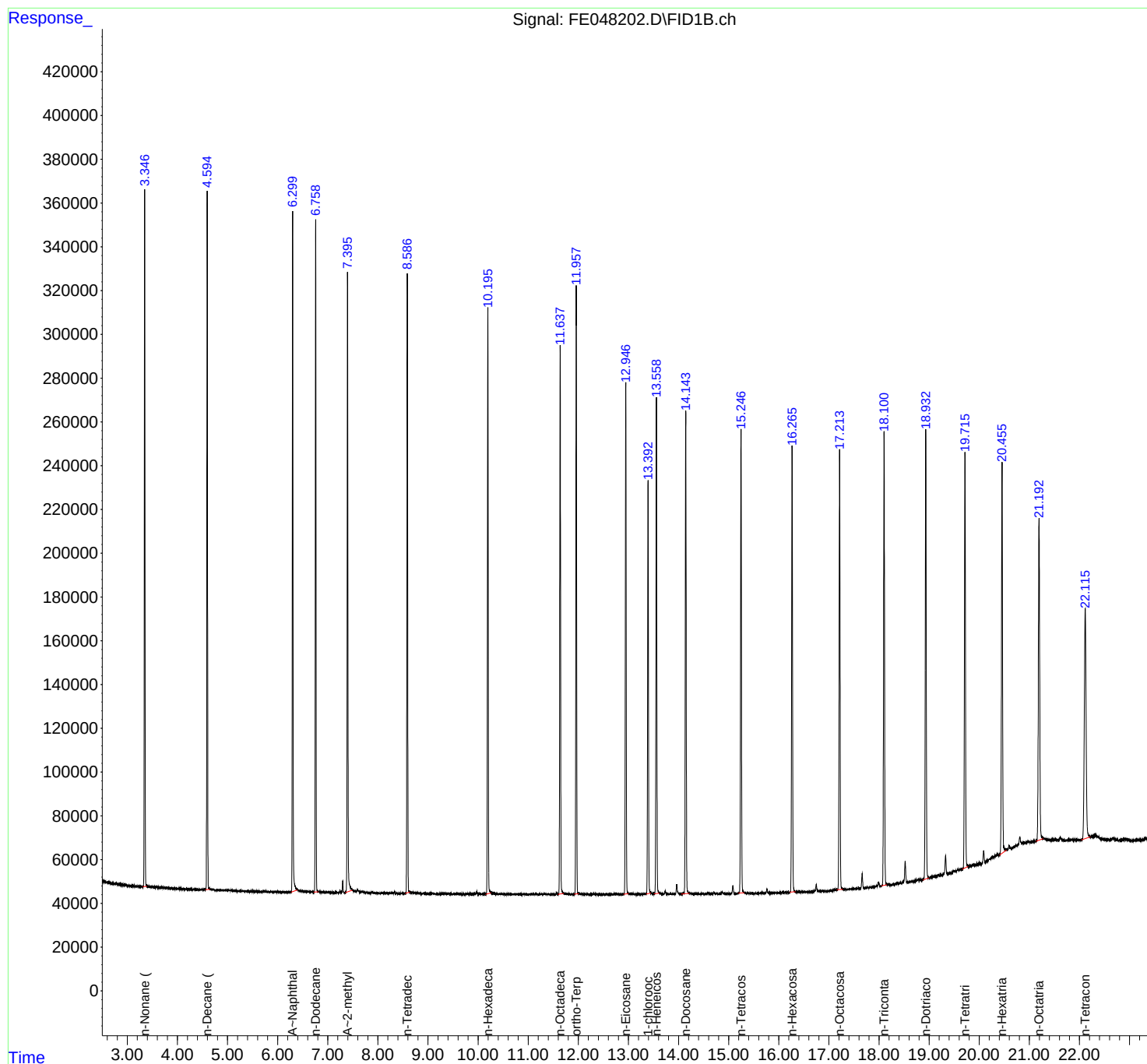
Instrument :
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20 PPM ALIPHATIC HC STD

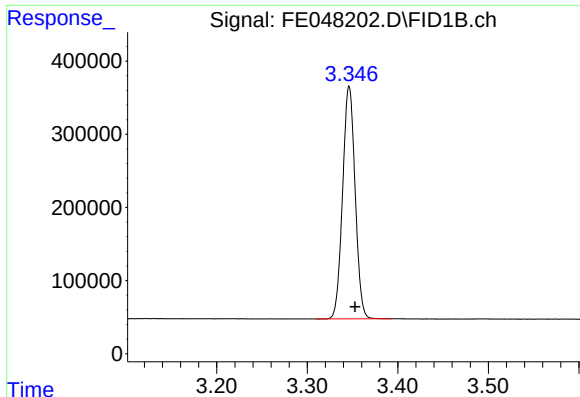
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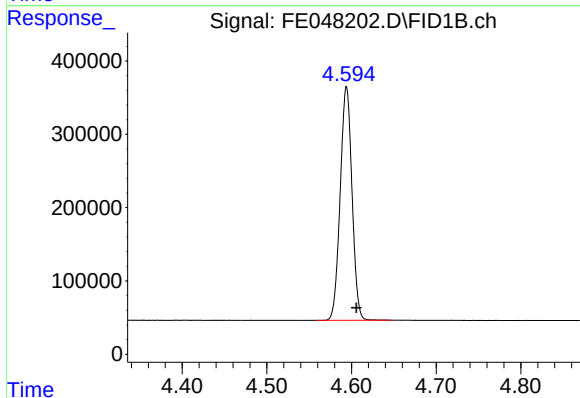
#1 n-Nonane (C9)

R.T.: 3.346 min
Delta R.T.: -0.007 min
Response: 3059308
Conc: 23.74 ug/ml

Instrument :
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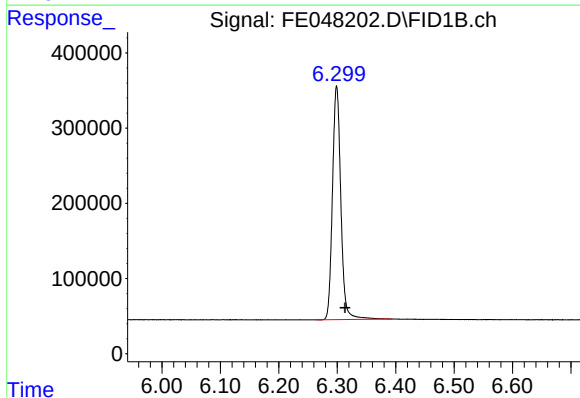
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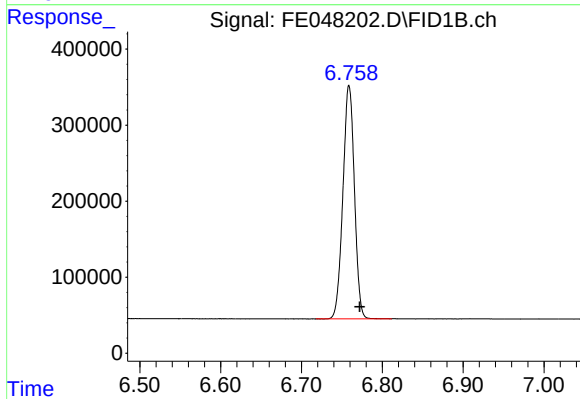
#2 n-Decane (C10)

R.T.: 4.594 min
Delta R.T.: -0.011 min
Response: 3091463
Conc: 23.48 ug/ml



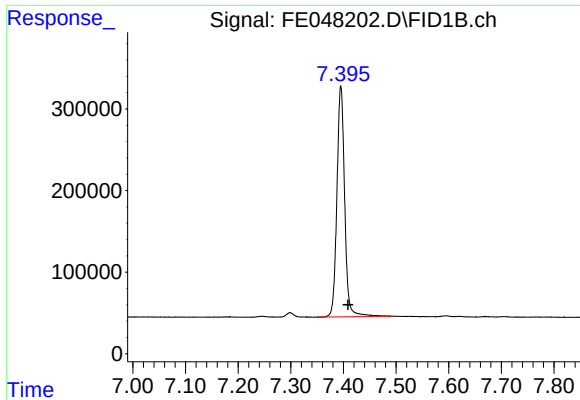
#3 A~Naphthalene (C11.7)

R.T.: 6.299 min
Delta R.T.: -0.015 min
Response: 3098508
Conc: 22.44 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.759 min
Delta R.T.: -0.013 min
Response: 3038343
Conc: 22.79 ug/ml



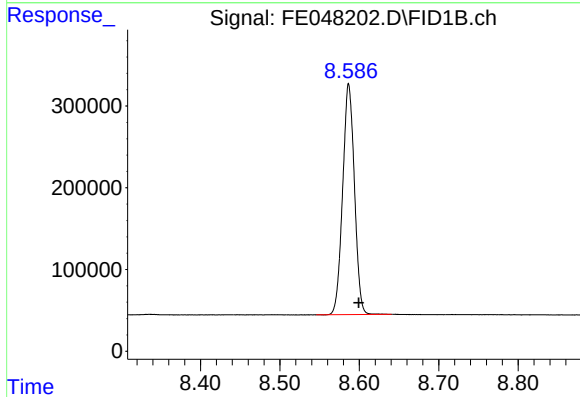
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.395 min
Delta R.T.: -0.014 min
Response: 2902315
Conc: 21.81 ug/ml

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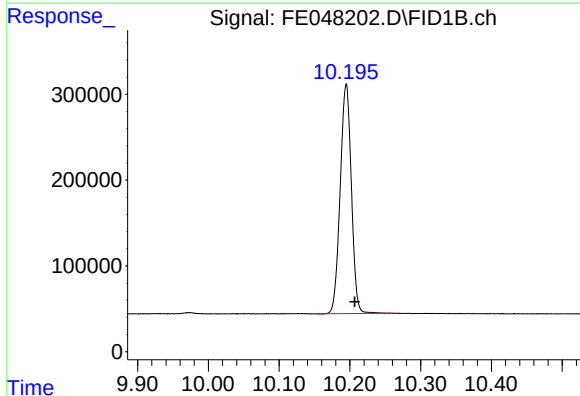
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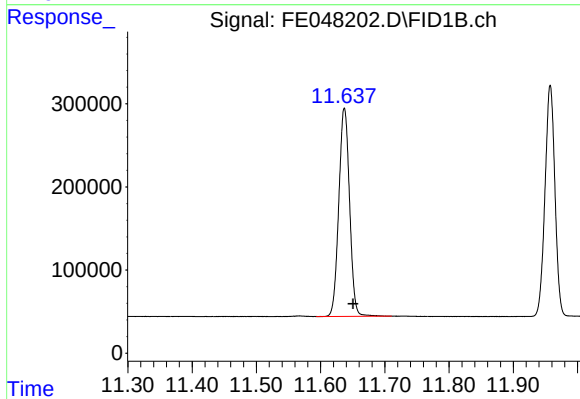
#6 n-Tetradecane (C14)

R.T.: 8.587 min
Delta R.T.: -0.013 min
Response: 2912310
Conc: 21.98 ug/ml



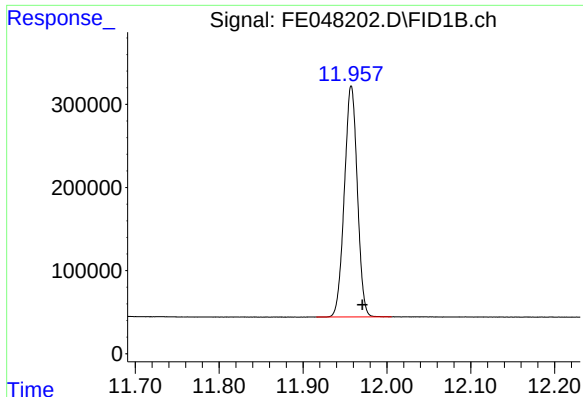
#7 n-Hexadecane (C16)

R.T.: 10.195 min
Delta R.T.: -0.012 min
Response: 2934511
Conc: 21.34 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.637 min
Delta R.T.: -0.014 min
Response: 2917884
Conc: 20.95 ug/ml



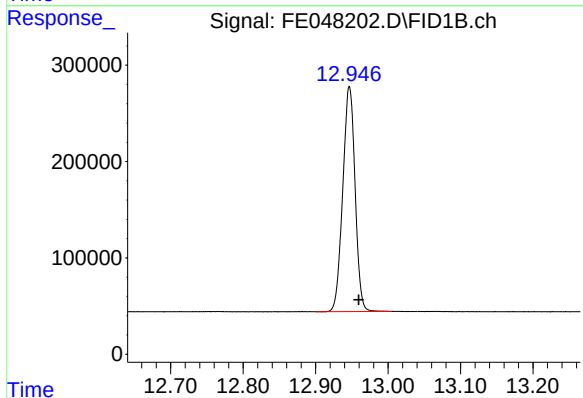
#9 ortho-Terphenyl (SURR)

R.T.: 11.958 min
Delta R.T.: -0.013 min
Response: 2986045
Conc: 20.70 ug/ml

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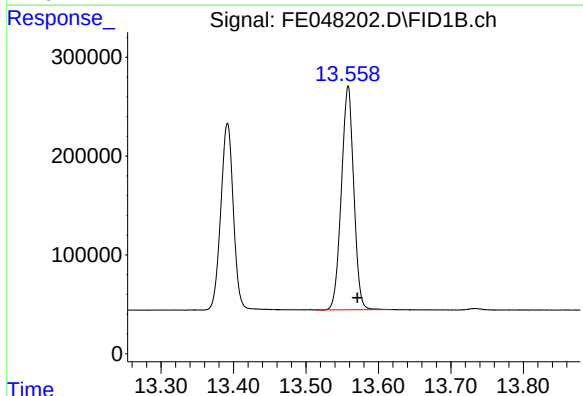
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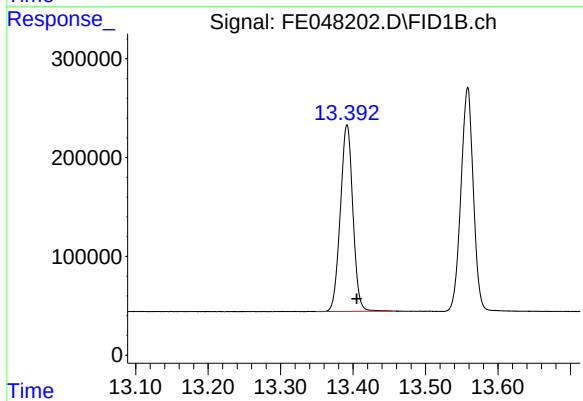
#10 n-Eicosane (C20)

R.T.: 12.947 min
Delta R.T.: -0.013 min
Response: 2757249
Conc: 20.48 ug/ml



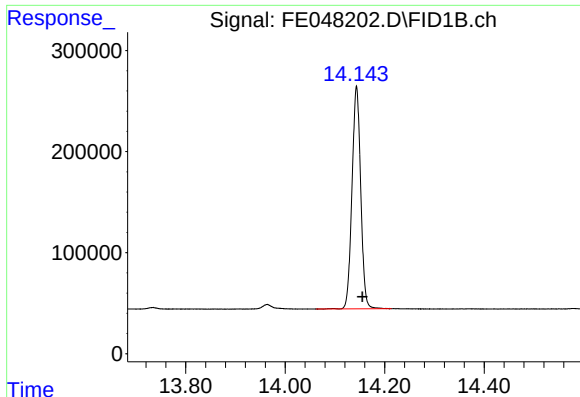
#11 n-Heneicosane (C21)

R.T.: 13.558 min
Delta R.T.: -0.013 min
Response: 2689475
Conc: 20.32 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.392 min
Delta R.T.: -0.013 min
Response: 2265220
Conc: 20.27 ug/ml



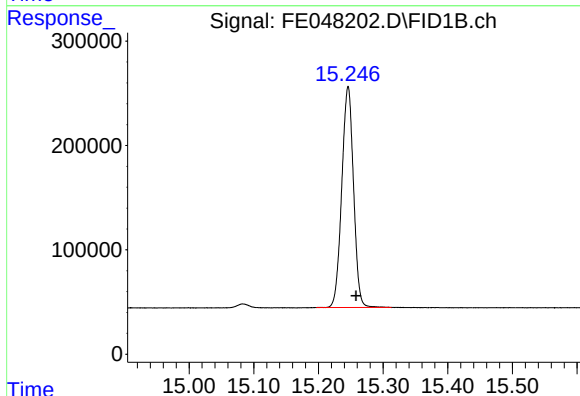
#13 n-Docosane (C22)

R.T.: 14.144 min
Delta R.T.: -0.012 min
Response: 2674904
Conc: 20.18 ug/ml

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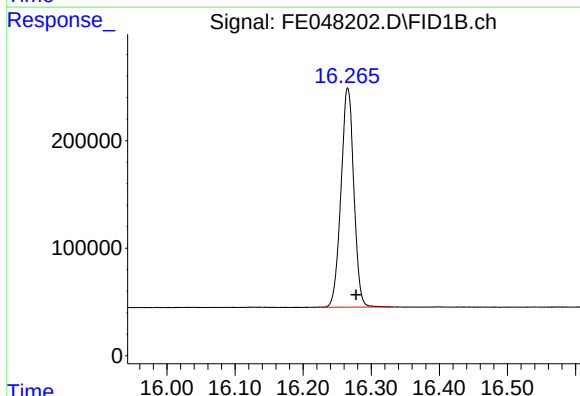
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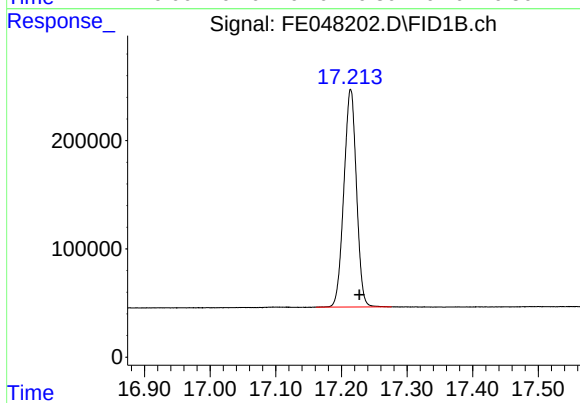
#14 n-Tetracosane (C24)

R.T.: 15.246 min
Delta R.T.: -0.012 min
Response: 2673788
Conc: 20.08 ug/ml



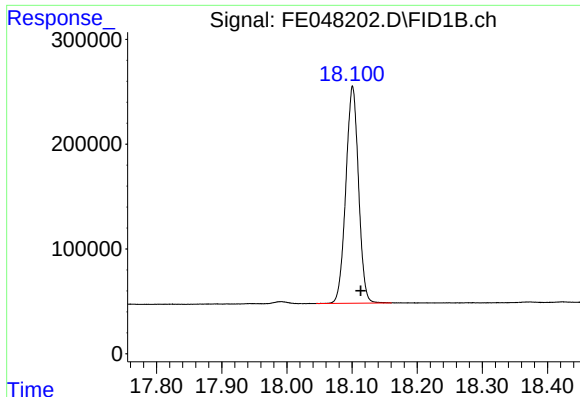
#15 n-Hexacosane (C26)

R.T.: 16.266 min
Delta R.T.: -0.012 min
Response: 2669212
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.214 min
Delta R.T.: -0.013 min
Response: 2679369
Conc: 20.12 ug/ml



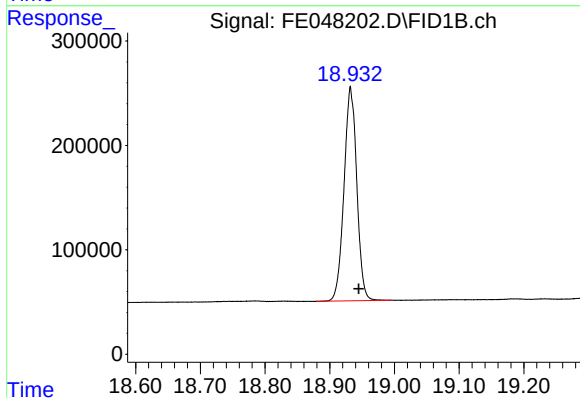
#17 n-Tricontane (C30)

R.T.: 18.101 min
Delta R.T.: -0.012 min
Response: 2800833
Conc: 20.29 ug/ml

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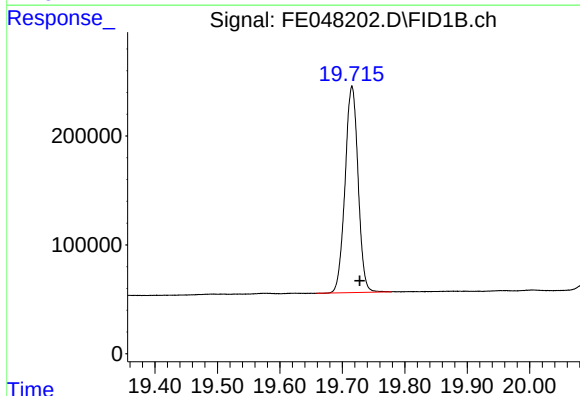
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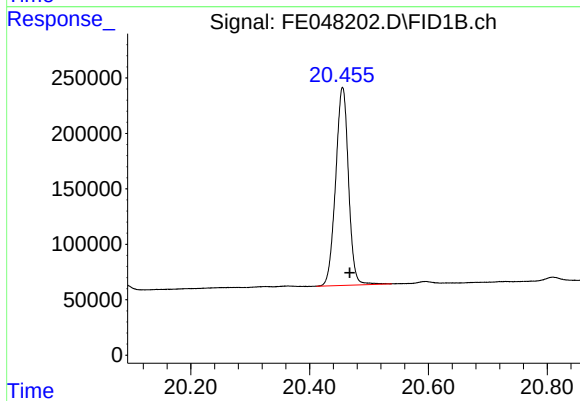
#18 n-Dotriacontane (C32)

R.T.: 18.932 min
Delta R.T.: -0.013 min
Response: 2809202
Conc: 20.34 ug/ml



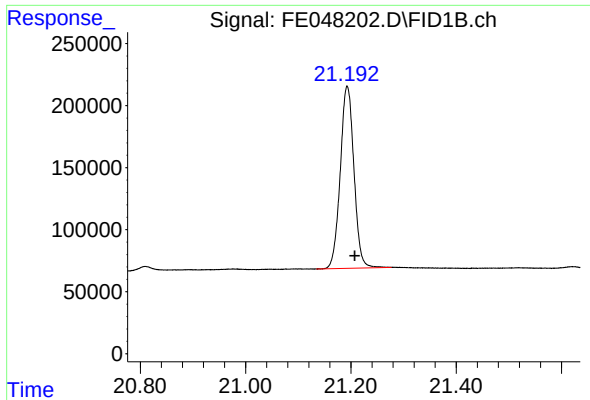
#19 n-Tetratriacontane (C34)

R.T.: 19.716 min
Delta R.T.: -0.012 min
Response: 2748856
Conc: 20.18 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.455 min
Delta R.T.: -0.012 min
Response: 2689227
Conc: 19.86 ug/ml m



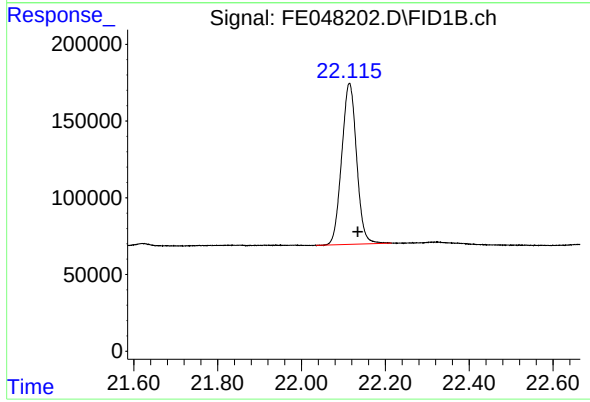
#21 n-Octatriacontane (C38)

R.T.: 21.193 min
Delta R.T.: -0.015 min
Response: 2645711
Conc: 19.16 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.114 min
Delta R.T.: -0.020 min
Response: 2588620
Conc: 18.58 ug/ml