

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE052324AL\
 Data File : FE048341.D
 Signal(s) : FID1B.ch
 Acq On : 23 May 2024 07:01
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/24/2024
 Supervised By :Ankita Jodhani 05/24/2024

Integration File: autoint1.e
 Quant Time: May 24 01:30:30 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)	11.959	2730111	18.924 ug/ml
Spiked Amount 50.000		Recovery =	37.85%
12) S 1-chlorooctadecane (S...	13.392	2088397	18.690 ug/ml
Spiked Amount 50.000		Recovery =	37.38%
Target Compounds			
1) T n-Nonane (C9)	3.343	2779435	21.566 ug/ml
2) T n-Decane (C10)	4.592	2842390	21.590 ug/ml
3) T A~Naphthalene (C11.7)	6.300	2801673	20.290 ug/ml
4) T n-Dodecane (C12)	6.758	2794381	20.961 ug/ml
5) T A~2-methylnaphthalene...	7.396	2626758	19.739 ug/ml
6) T n-Tetradecane (C14)	8.586	2683682	20.251 ug/ml
7) T n-Hexadecane (C16)	10.194	2673815	19.441 ug/ml
8) T n-Octadecane (C18)	11.637	2649110	19.018 ug/ml
10) T n-Eicosane (C20)	12.946	2530705	18.796 ug/ml
11) T n-Heneicosane (C21)	13.558	2476057	18.705 ug/ml
13) T n-Docosane (C22)	14.145	2484208	18.746 ug/ml
14) T n-Tetracosane (C24)	15.247	2547698	19.134 ug/ml
15) T n-Hexacosane (C26)	16.268	2562262	19.201 ug/ml
16) T n-Octacosane (C28)	17.216	2628803	19.744 ug/ml
17) T n-Tricontane (C30)	18.103	2808326	20.348 ug/ml
18) T n-Dotriacontane (C32)	18.935	2872292	20.795 ug/ml
19) T n-Tetratriacontane (C34)	19.717	2833853	20.803 ug/mlm
20) T n-Hexatriacontane (C36)	20.457	2693408	19.892 ug/mlm
21) T n-Octatriacontane (C38)	21.197	2649446	19.189 ug/ml
22) T n-Tetracontane (C40)	22.118	2614217	18.764 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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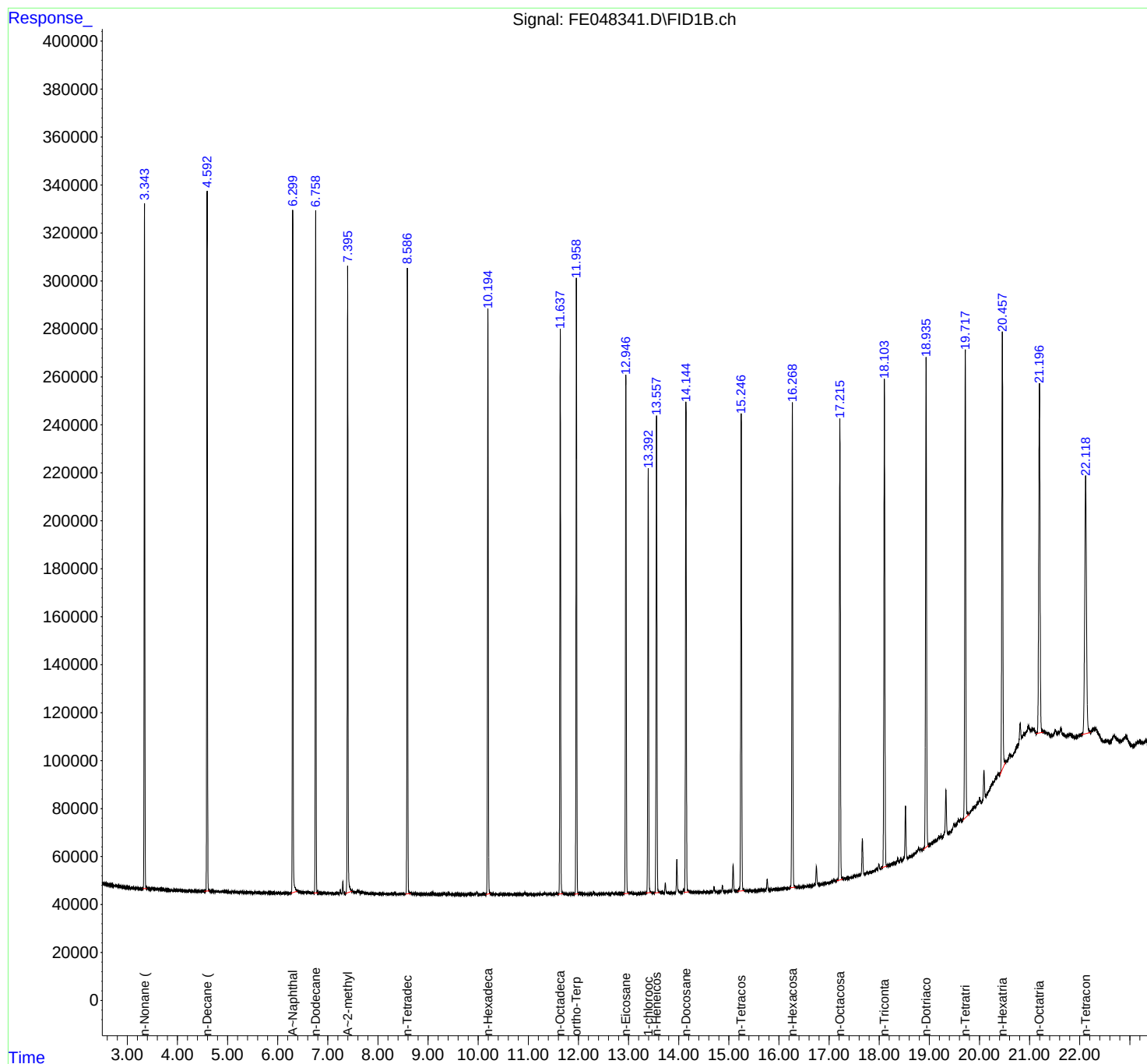
Instrument :
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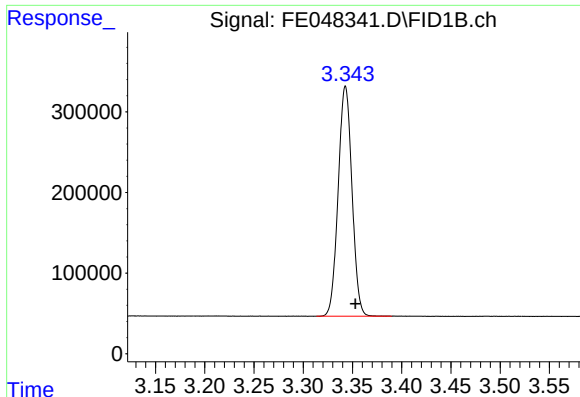
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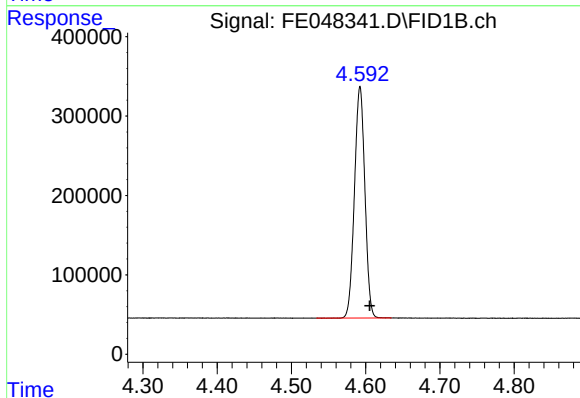
#1 n-Nonane (C9)

R.T.: 3.343 min
Delta R.T.: -0.010 min
Response: 2779435
Conc: 21.57 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

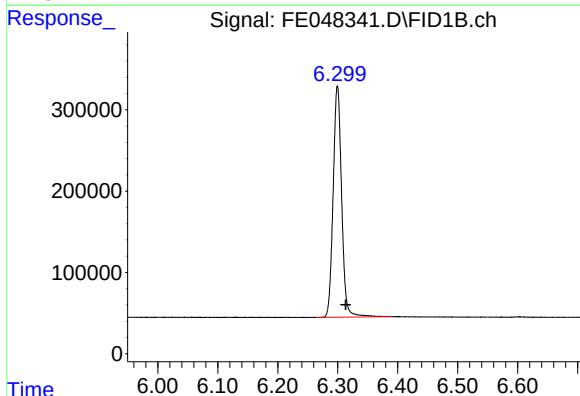
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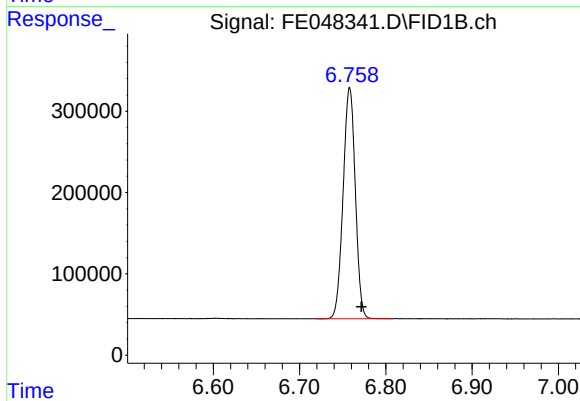
#2 n-Decane (C10)

R.T.: 4.592 min
Delta R.T.: -0.013 min
Response: 2842390
Conc: 21.59 ug/ml



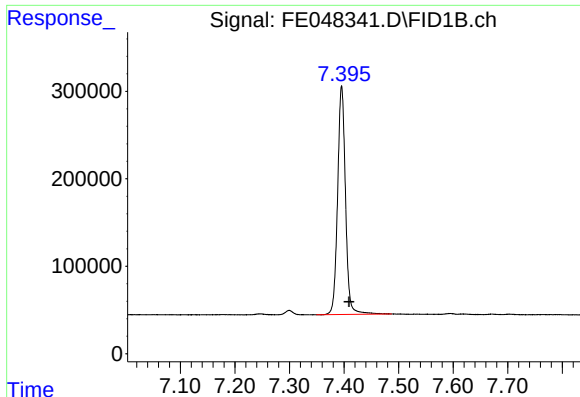
#3 A~Naphthalene (C11.7)

R.T.: 6.300 min
Delta R.T.: -0.014 min
Response: 2801673
Conc: 20.29 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.758 min
Delta R.T.: -0.014 min
Response: 2794381
Conc: 20.96 ug/ml



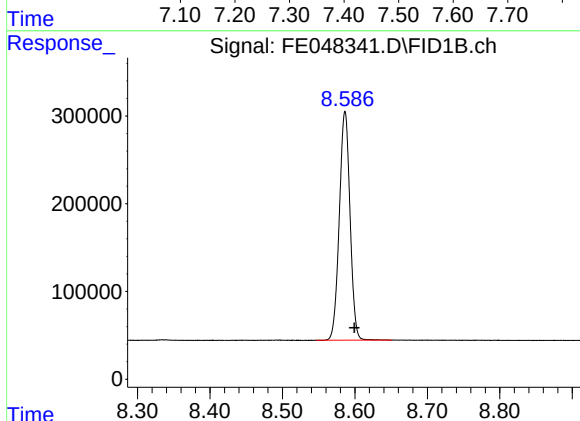
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.396 min
Delta R.T.: -0.013 min
Response: 2626758
Conc: 19.74 ug/ml

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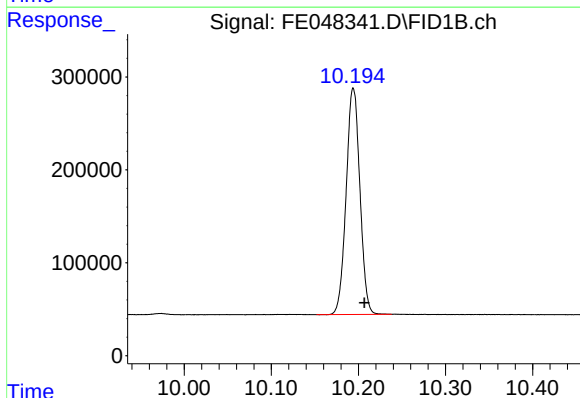
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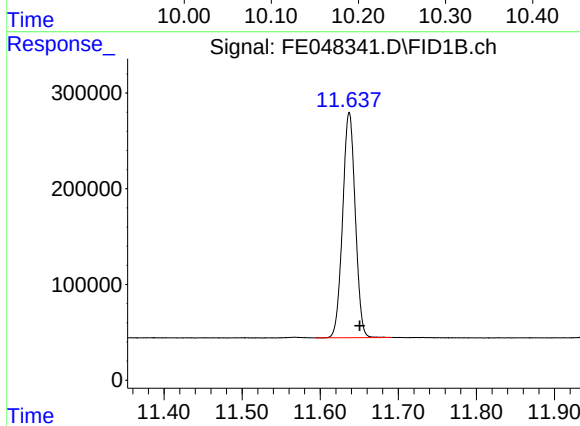
#6 n-Tetradecane (C14)

R.T.: 8.586 min
Delta R.T.: -0.013 min
Response: 2683682
Conc: 20.25 ug/ml



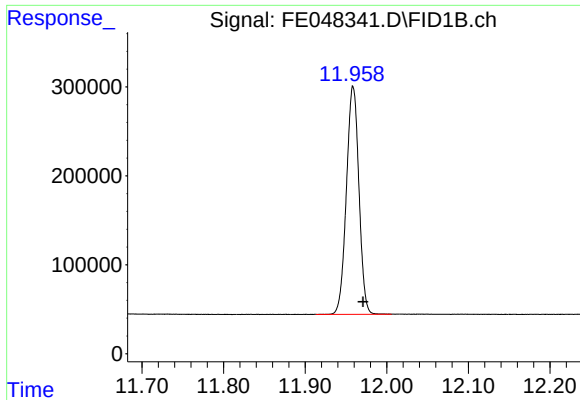
#7 n-Hexadecane (C16)

R.T.: 10.194 min
Delta R.T.: -0.013 min
Response: 2673815
Conc: 19.44 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.637 min
Delta R.T.: -0.013 min
Response: 2649110
Conc: 19.02 ug/ml



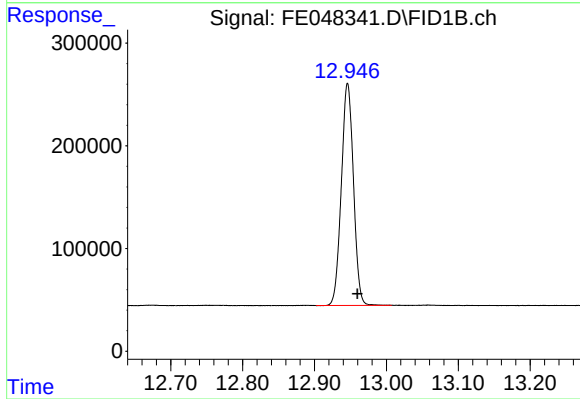
#9 ortho-Terphenyl (SURR)

R.T.: 11.959 min
Delta R.T.: -0.013 min
Response: 2730111
Conc: 18.92 ug/ml

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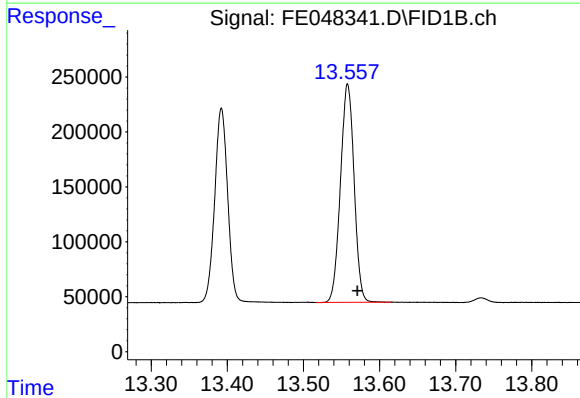
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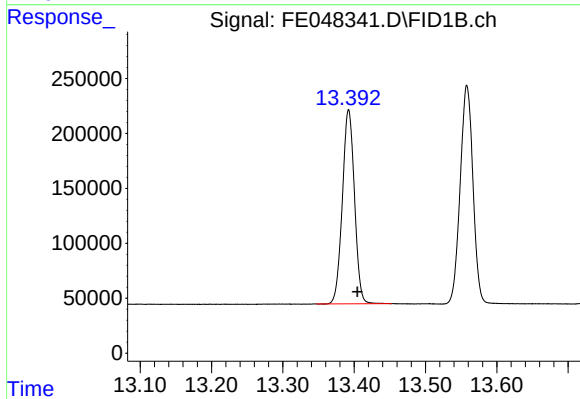
#10 n-Eicosane (C20)

R.T.: 12.946 min
Delta R.T.: -0.013 min
Response: 2530705
Conc: 18.80 ug/ml



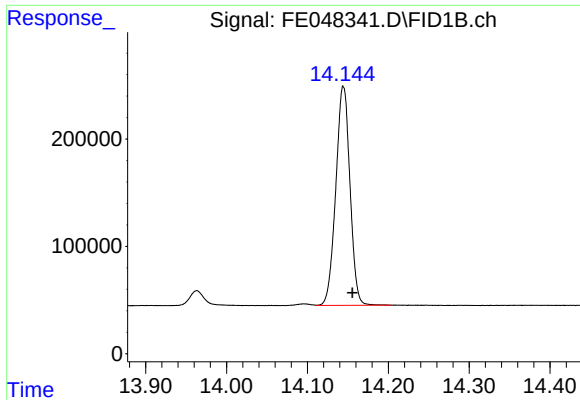
#11 n-Heneicosane (C21)

R.T.: 13.558 min
Delta R.T.: -0.013 min
Response: 2476057
Conc: 18.70 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.392 min
Delta R.T.: -0.013 min
Response: 2088397
Conc: 18.69 ug/ml



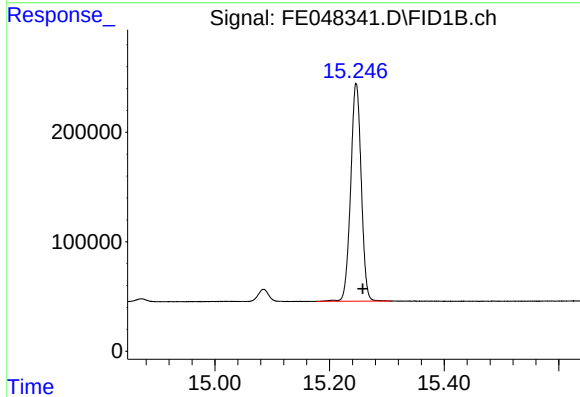
#13 n-Docosane (C22)

R.T.: 14.145 min
Delta R.T.: -0.011 min
Response: 2484208
Conc: 18.75 ug/ml

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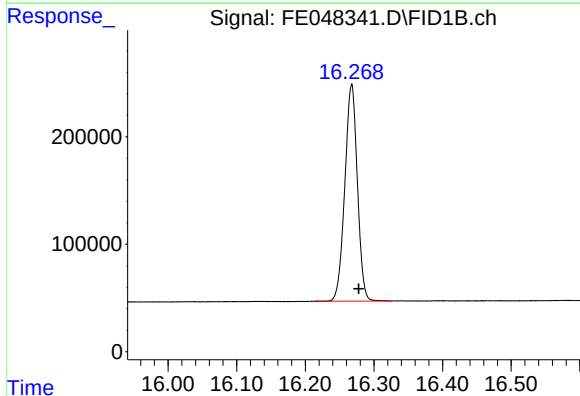
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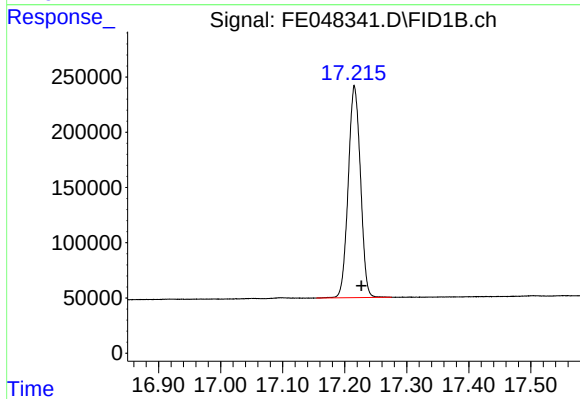
#14 n-Tetracosane (C24)

R.T.: 15.247 min
Delta R.T.: -0.011 min
Response: 2547698
Conc: 19.13 ug/ml



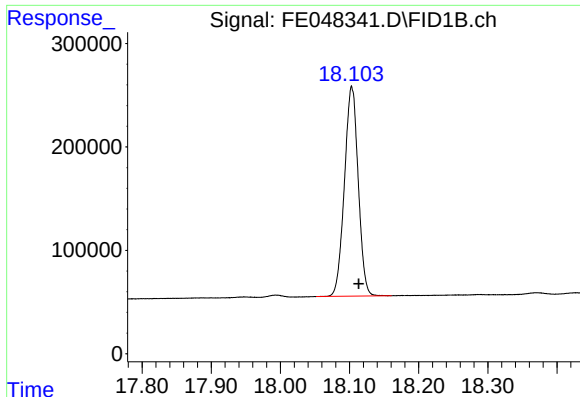
#15 n-Hexacosane (C26)

R.T.: 16.268 min
Delta R.T.: -0.010 min
Response: 2562262
Conc: 19.20 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.216 min
Delta R.T.: -0.012 min
Response: 2628803
Conc: 19.74 ug/ml



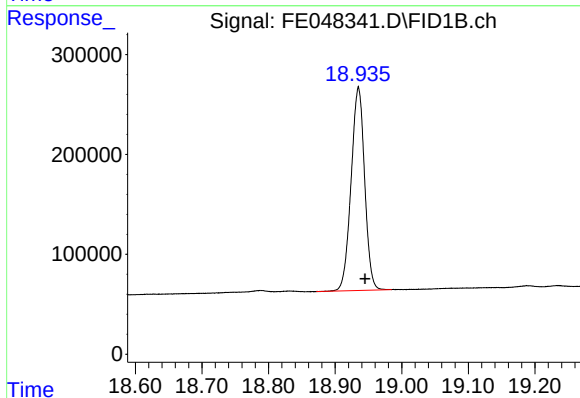
#17 n-Tricontane (C30)

R.T.: 18.103 min
Delta R.T.: -0.010 min
Response: 2808326
Conc: 20.35 ug/ml

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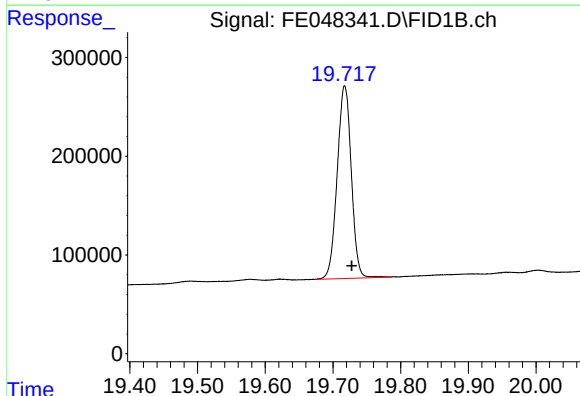
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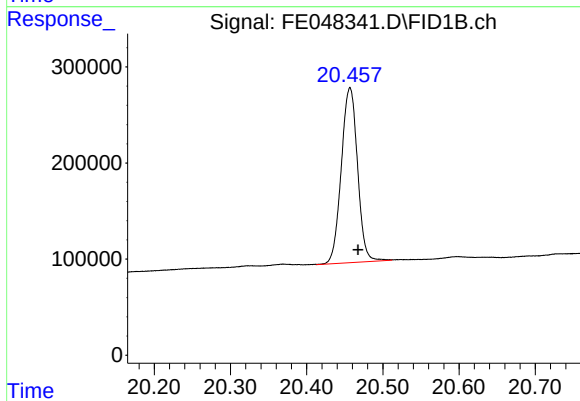
#18 n-Dotriacontane (C32)

R.T.: 18.935 min
Delta R.T.: -0.010 min
Response: 2872292
Conc: 20.79 ug/ml



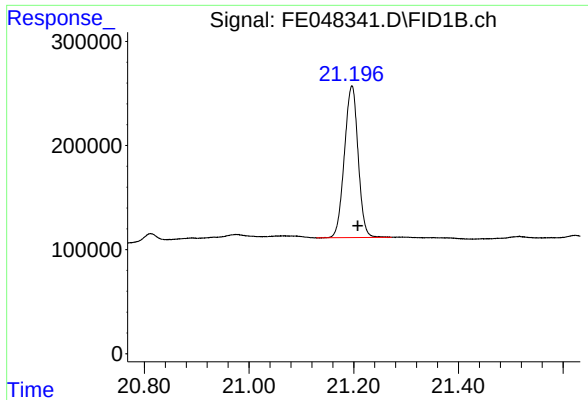
#19 n-Tetratriacontane (C34)

R.T.: 19.717 min
Delta R.T.: -0.011 min
Response: 2833853
Conc: 20.80 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.457 min
Delta R.T.: -0.011 min
Response: 2693408
Conc: 19.89 ug/ml m



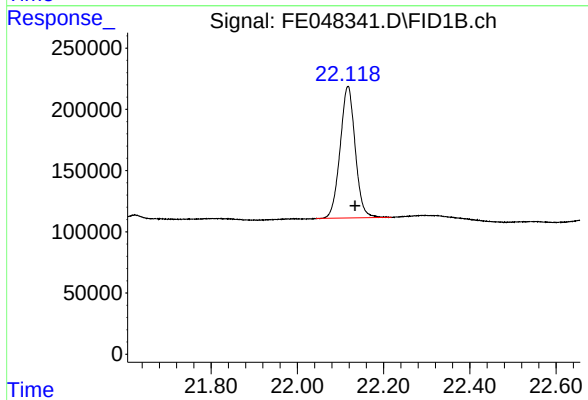
#21 n-Octatriacontane (C38)

R.T.: 21.197 min
Delta R.T.: -0.011 min
Response: 2649446
Conc: 19.19 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.118 min
Delta R.T.: -0.016 min
Response: 2614217
Conc: 18.76 ug/ml m