

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091923AL\
 Data File : FE044354.D
 Signal(s) : FID1B.ch
 Acq On : 19 Sep 2023 23:04
 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 09/20/2023
 Supervised By :Ankita Jodhani 09/20/2023

Integration File: autoint1.e
 Quant Time: Sep 20 01:42:14 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 083023.M
 Quant Title : GC Extractables
 QLast Update : Thu Aug 31 03:37:37 2023
 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)	11.931	3499108	18.470 ug/ml
Spiked Amount 50.000		Recovery =	36.94%
12) S 1-chlorooctadecane (S...	13.370	2605685	18.862 ug/ml
Spiked Amount 50.000		Recovery =	37.72%
Target Compounds			
1) T n-Nonane (C9)	3.316	2958856	18.138 ug/ml
2) T n-Decane (C10)	4.568	3015468	18.142 ug/ml
3) T A~Naphthalene (C11.7)	6.271	3274705	18.287 ug/ml
4) T n-Dodecane (C12)	6.733	3042980	18.094 ug/ml
5) T A~2-methylnaphthalene...	7.366	3185421	18.581 ug/ml
6) T n-Tetradecane (C14)	8.559	3016338	17.986 ug/ml
7) T n-Hexadecane (C16)	10.169	3053999	17.670 ug/ml
8) T n-Octadecane (C18)	11.614	3034465	17.432 ug/ml
10) T n-Eicosane (C20)	12.925	2916696	17.633 ug/ml
11) T n-Heneicosane (C21)	13.538	2852514	17.635 ug/ml
13) T n-Docosane (C22)	14.125	2802166	17.540 ug/ml
14) T n-Tetracosane (C24)	15.229	2738043	17.509 ug/ml
15) T n-Hexacosane (C26)	16.252	2666377	17.687 ug/ml
16) T n-Octacosane (C28)	17.202	2632087	18.239 ug/ml
17) T n-Tricontane (C30)	18.091	2773900	19.093 ug/ml
18) T n-Dotriacontane (C32)	18.925	2841672	19.949 ug/ml
19) T n-Tetratriacontane (C34)	19.712	2801114	20.017 ug/mlm
20) T n-Hexatriacontane (C36)	20.454	2807470	20.478 ug/mlm
21) T n-Octatriacontane (C38)	21.198	2868723	20.666 ug/ml
22) T n-Tetracontane (C40)	22.122	3048045	22.046 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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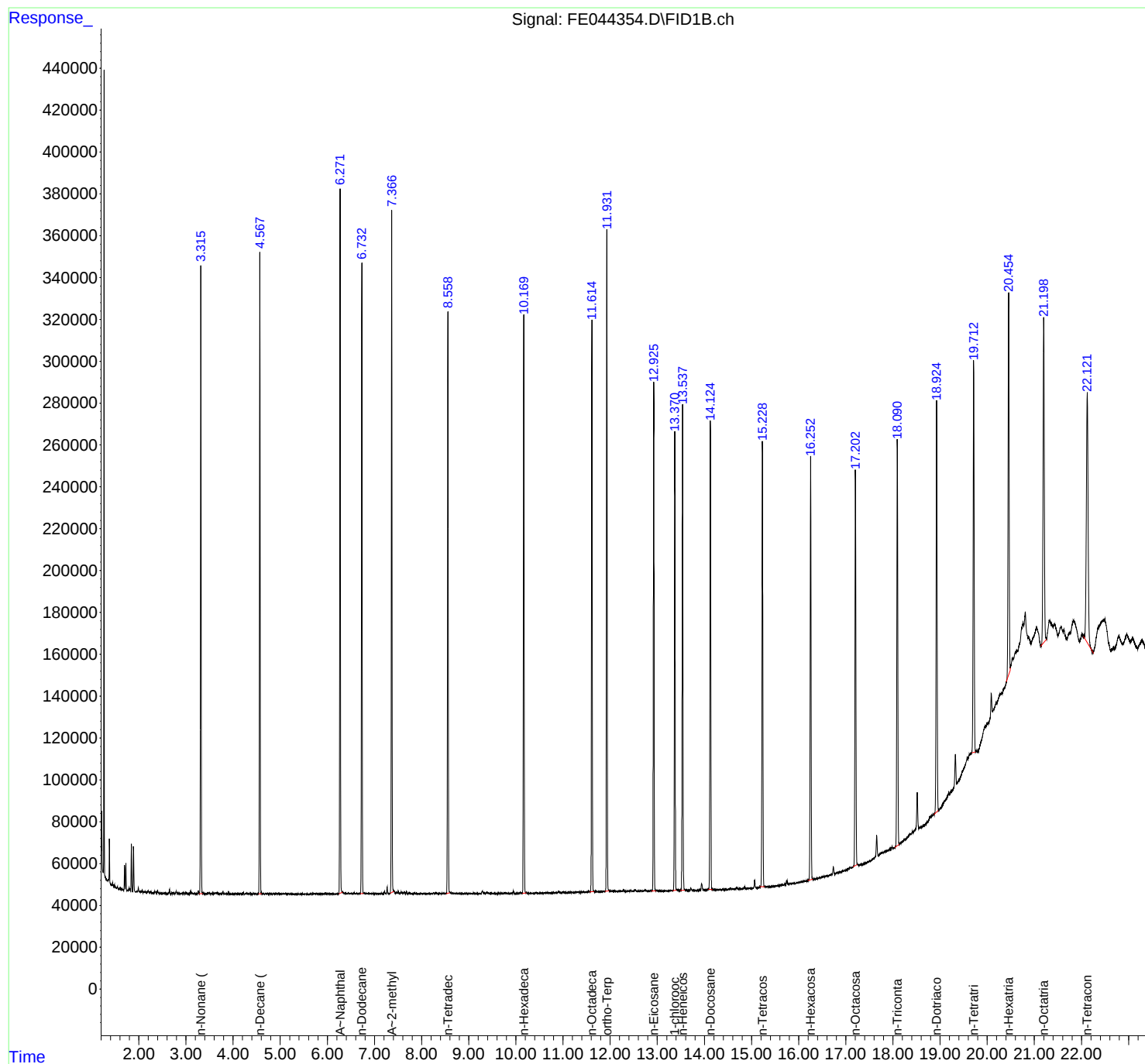
Instrument :
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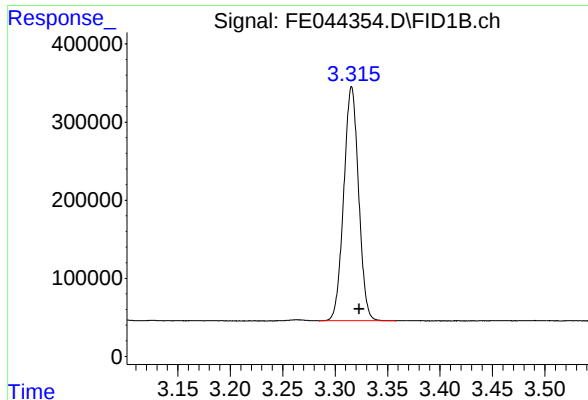
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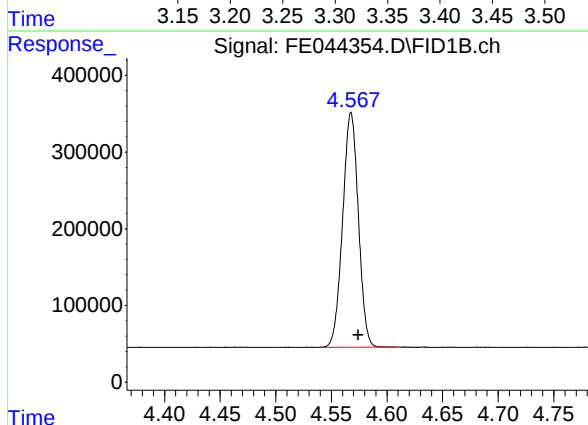
#1 n-Nonane (C9)

R.T.: 3.316 min
Delta R.T.: -0.007 min
Response: 2958856
Conc: 18.14 ug/ml

Instrument : FID_E
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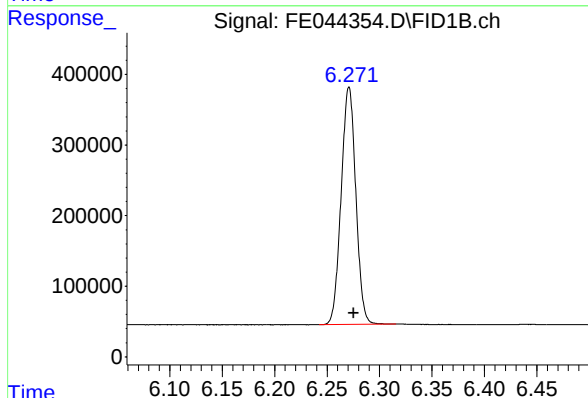
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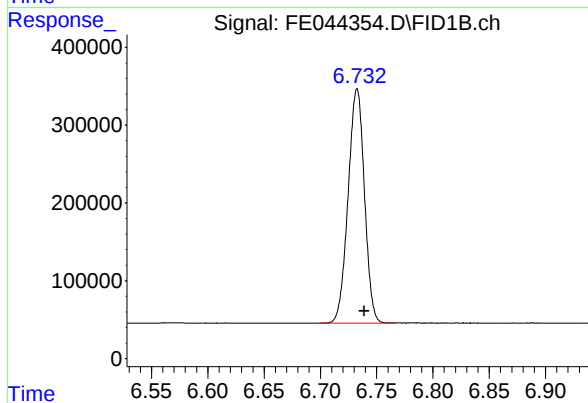
#2 n-Decane (C10)

R.T.: 4.568 min
Delta R.T.: -0.007 min
Response: 3015468
Conc: 18.14 ug/ml



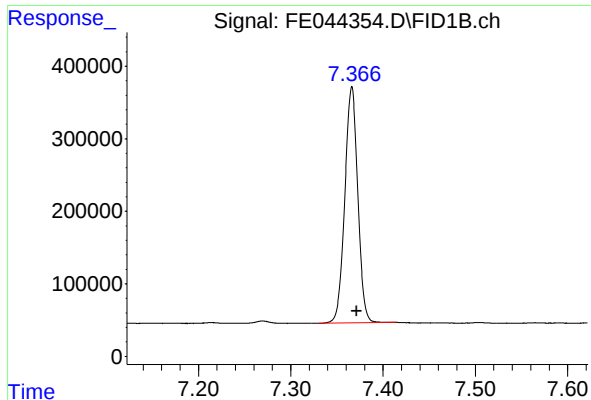
#3 A~Naphthalene (C11.7)

R.T.: 6.271 min
Delta R.T.: -0.004 min
Response: 3274705
Conc: 18.29 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.733 min
Delta R.T.: -0.006 min
Response: 3042980
Conc: 18.09 ug/ml



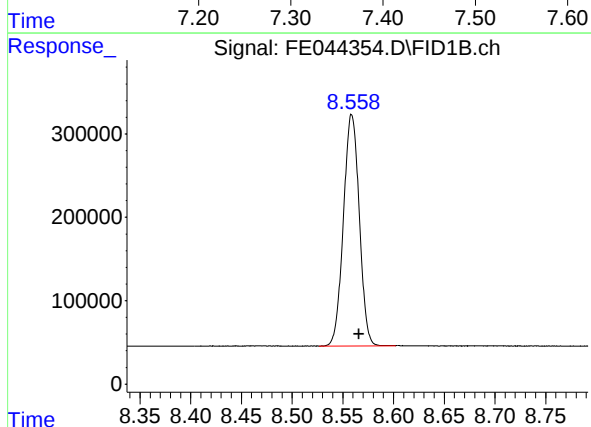
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.366 min
Delta R.T.: -0.005 min
Response: 3185421
Conc: 18.58 ug/ml

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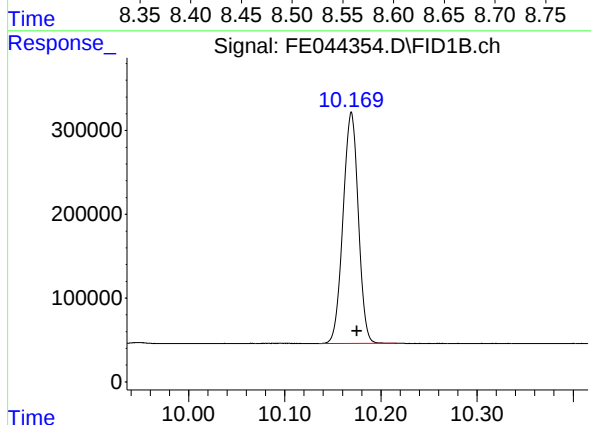
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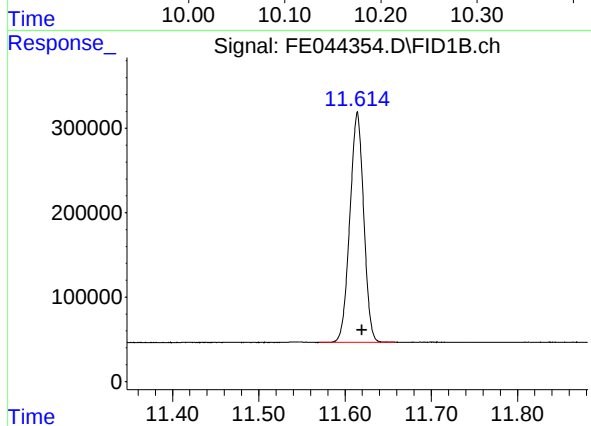
#6 n-Tetradecane (C14)

R.T.: 8.559 min
Delta R.T.: -0.007 min
Response: 3016338
Conc: 17.99 ug/ml



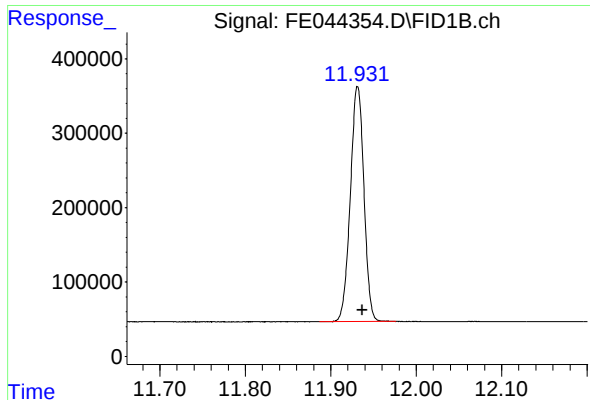
#7 n-Hexadecane (C16)

R.T.: 10.169 min
Delta R.T.: -0.006 min
Response: 3053999
Conc: 17.67 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.614 min
Delta R.T.: -0.005 min
Response: 3034465
Conc: 17.43 ug/ml



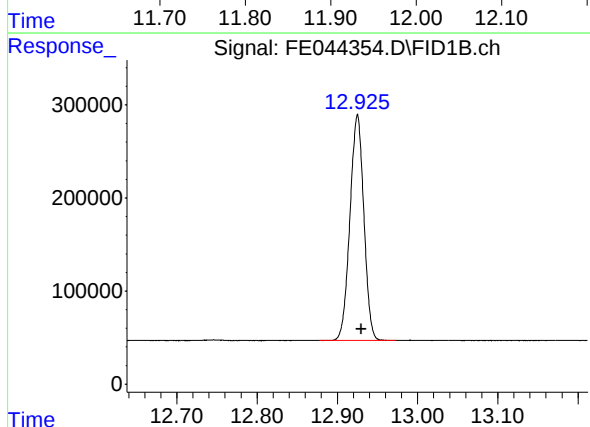
#9 ortho-Terphenyl (SURR)

R.T.: 11.931 min
Delta R.T.: -0.005 min
Response: 3499108
Conc: 18.47 ug/ml

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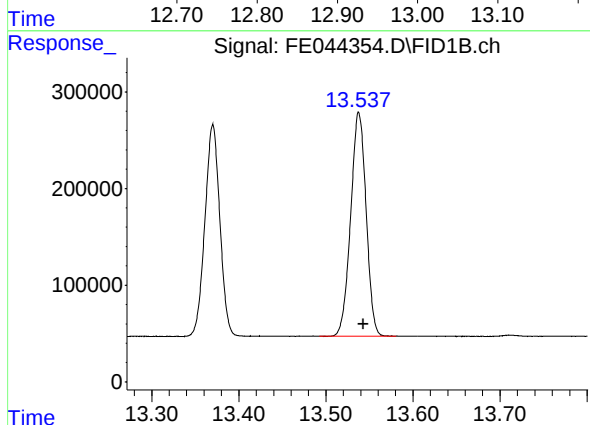
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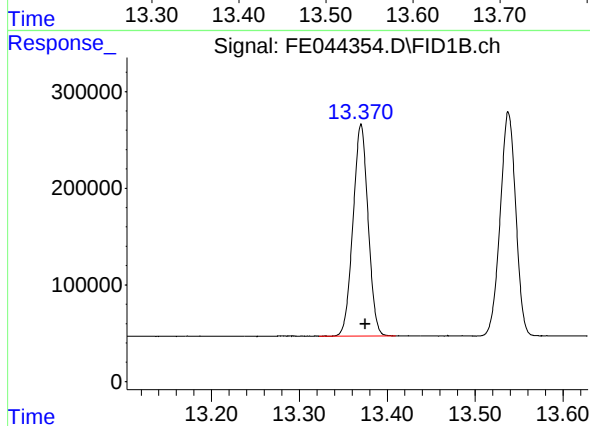
#10 n-Eicosane (C20)

R.T.: 12.925 min
Delta R.T.: -0.005 min
Response: 2916696
Conc: 17.63 ug/ml



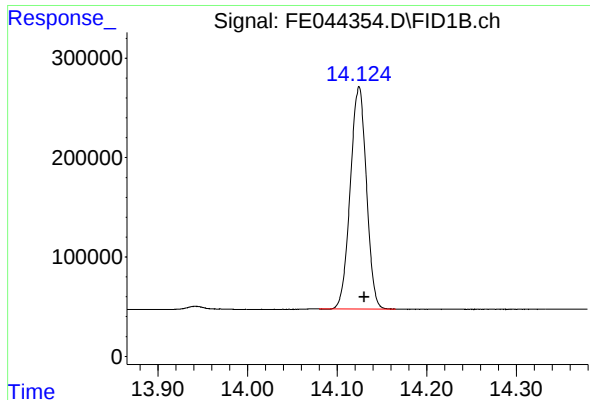
#11 n-Heneicosane (C21)

R.T.: 13.538 min
Delta R.T.: -0.005 min
Response: 2852514
Conc: 17.63 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.370 min
Delta R.T.: -0.005 min
Response: 2605685
Conc: 18.86 ug/ml



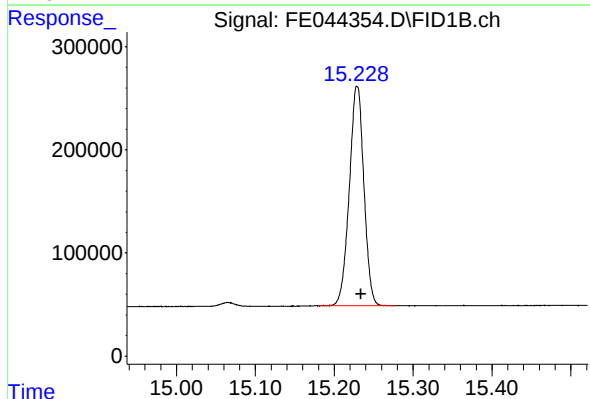
#13 n-Docosane (C22)

R.T.: 14.125 min
Delta R.T.: -0.006 min
Response: 2802166
Conc: 17.54 ug/ml

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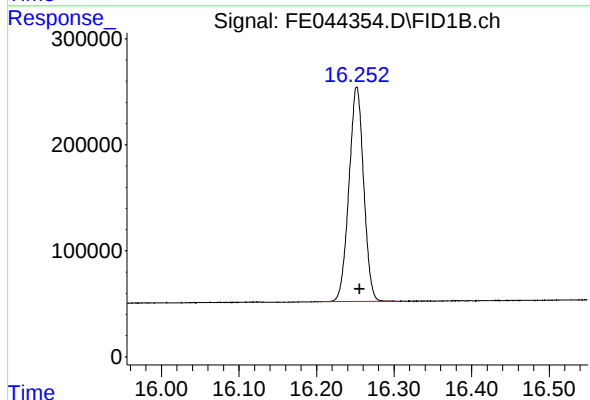
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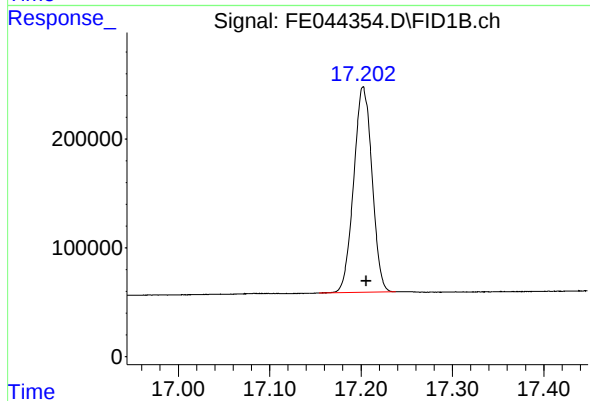
#14 n-Tetracosane (C24)

R.T.: 15.229 min
Delta R.T.: -0.005 min
Response: 2738043
Conc: 17.51 ug/ml



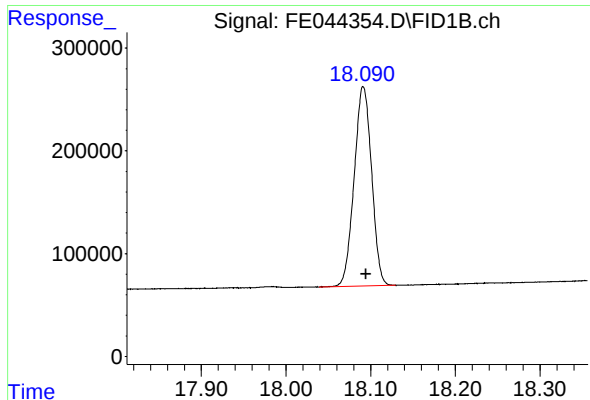
#15 n-Hexacosane (C26)

R.T.: 16.252 min
Delta R.T.: -0.004 min
Response: 2666377
Conc: 17.69 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.202 min
Delta R.T.: -0.004 min
Response: 2632087
Conc: 18.24 ug/ml



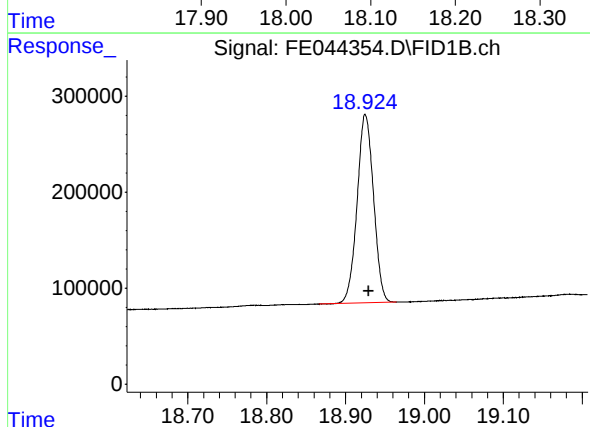
#17 n-Tricontane (C30)

R.T.: 18.091 min
Delta R.T.: -0.004 min
Response: 2773900
Conc: 19.09 ug/ml

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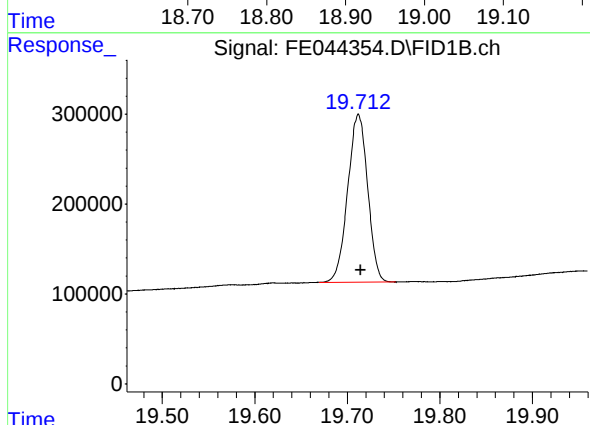
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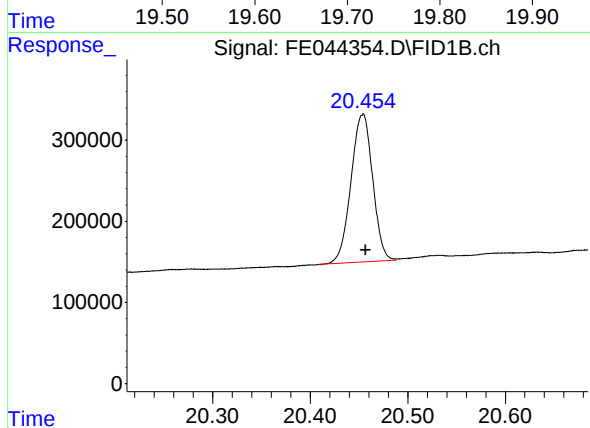
#18 n-Dotriacontane (C32)

R.T.: 18.925 min
Delta R.T.: -0.004 min
Response: 2841672
Conc: 19.95 ug/ml



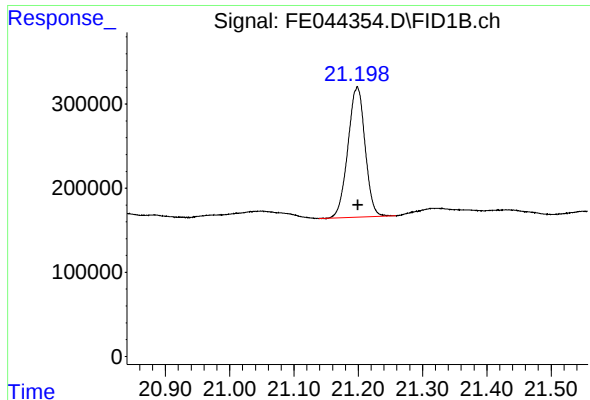
#19 n-Tetatriacontane (C34)

R.T.: 19.712 min
Delta R.T.: -0.003 min
Response: 2801114
Conc: 20.02 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.454 min
Delta R.T.: -0.002 min
Response: 2807470
Conc: 20.48 ug/ml m



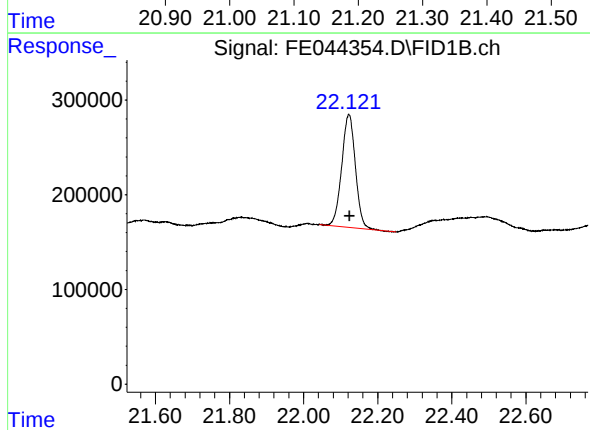
#21 n-Octatriacontane (C38)

R.T.: 21.198 min
Delta R.T.: -0.001 min
Response: 2868723
Conc: 20.67 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.122 min
Delta R.T.: -0.001 min
Response: 3048045
Conc: 22.05 ug/ml