

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082724AL\
 Data File : FE049794.D
 Signal(s) : FID1B.ch
 Acq On : 27 Aug 2024 23:15
 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 08/28/2024
 Supervised By :Ankita Jodhani 08/28/2024

Integration File: autoint1.e
 Quant Time: Aug 28 01:32:31 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 081424.M
 Quant Title : GC Extractables
 QLast Update : Wed Aug 14 11:05:17 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)	11.884	2918857	18.050 ug/ml
Spiked Amount 50.000		Recovery =	36.10%
12) S 1-chlorooctadecane (S...	13.319	2224619	18.234 ug/ml
Spiked Amount 50.000		Recovery =	36.47%
Target Compounds			
1) T n-Nonane (C9)	3.272	2482946	16.044 ug/ml
2) T n-Decane (C10)	4.523	2692194	17.051 ug/mlm
3) T A~Naphthalene (C11.7)	6.231	2769213	17.259 ug/ml
4) T n-Dodecane (C12)	6.690	2741787	17.440 ug/ml
5) T A~2-methylnaphthalene...	7.326	2657809	17.748 ug/ml
6) T n-Tetradecane (C14)	8.517	2719145	17.613 ug/ml
7) T n-Hexadecane (C16)	10.124	2792760	17.882 ug/ml
8) T n-Octadecane (C18)	11.565	2826970	18.000 ug/ml
10) T n-Eicosane (C20)	12.874	2713897	18.177 ug/ml
11) T n-Heneicosane (C21)	13.485	2658450	18.122 ug/ml
13) T n-Docosane (C22)	14.070	2638683	18.104 ug/ml
14) T n-Tetracosane (C24)	15.172	2654159	18.246 ug/ml
15) T n-Hexacosane (C26)	16.191	2632938	18.243 ug/ml
16) T n-Octacosane (C28)	17.140	2748160	19.079 ug/ml
17) T n-Tricontane (C30)	18.026	3060859	20.446 ug/ml
18) T n-Dotriacontane (C32)	18.859	3238009	21.404 ug/ml
19) T n-Tetratriacontane (C34)	19.641	3195753	20.904 ug/ml
20) T n-Hexatriacontane (C36)	20.379	3032407	19.969 ug/ml
21) T n-Octatriacontane (C38)	21.108	2960651	18.863 ug/ml
22) T n-Tetracontane (C40)	21.999	2780664	18.212 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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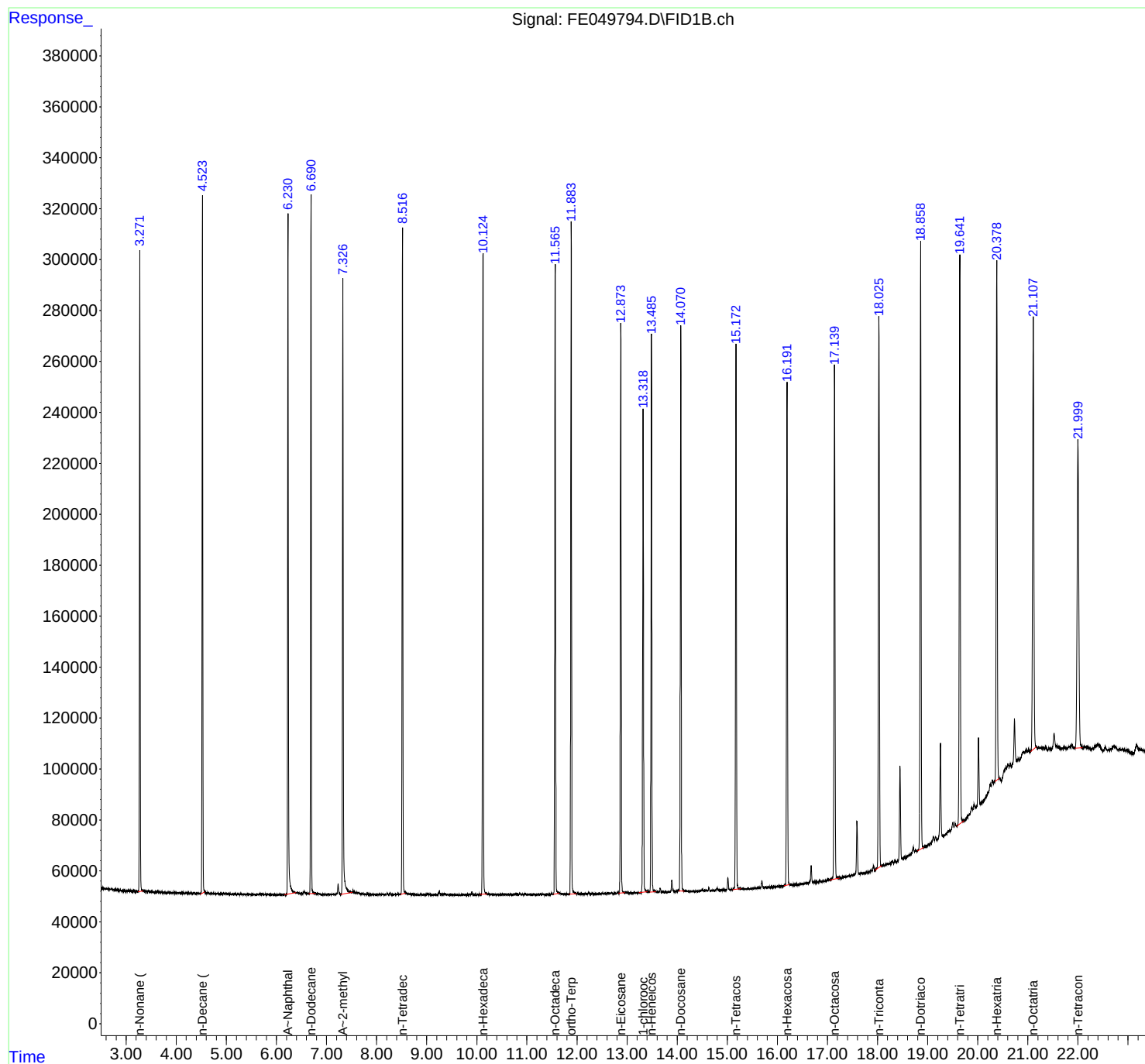
Instrument :
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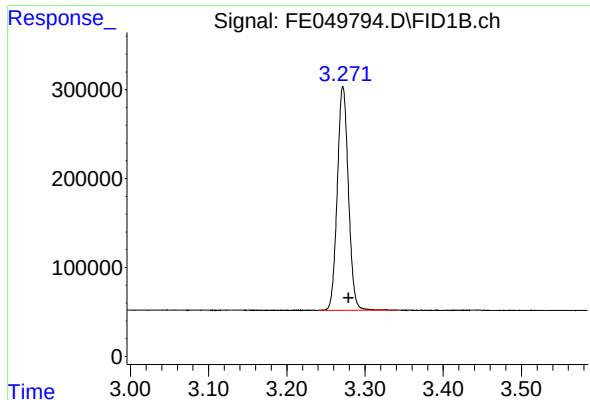
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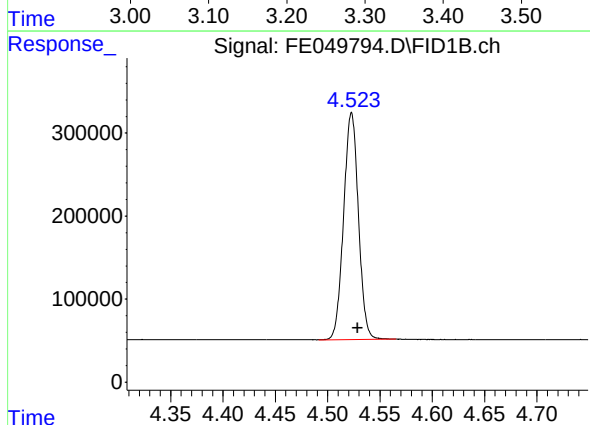
#1 n-Nonane (C9)

R.T.: 3.272 min
Delta R.T.: -0.007 min
Response: 2482946
Conc: 16.04 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

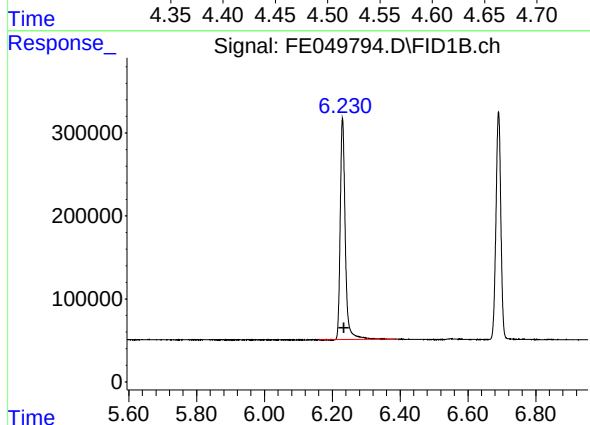
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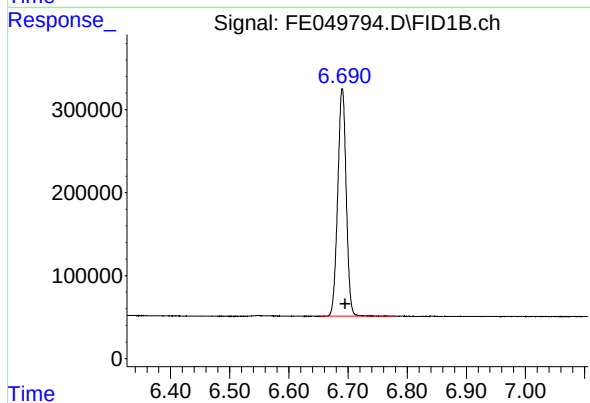
#2 n-Decane (C10)

R.T.: 4.523 min
Delta R.T.: -0.006 min
Response: 2692194
Conc: 17.05 ug/ml m



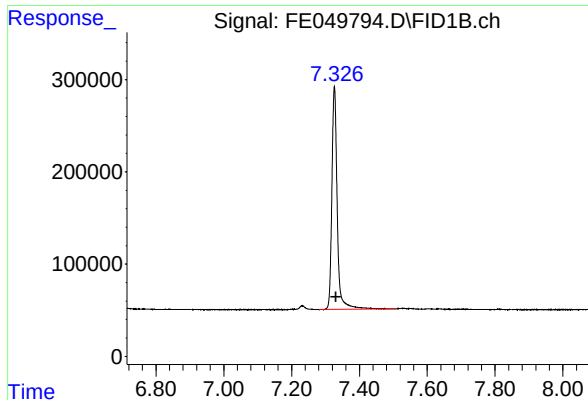
#3 A~Naphthalene (C11.7)

R.T.: 6.231 min
Delta R.T.: -0.005 min
Response: 2769213
Conc: 17.26 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.690 min
Delta R.T.: -0.005 min
Response: 2741787
Conc: 17.44 ug/ml



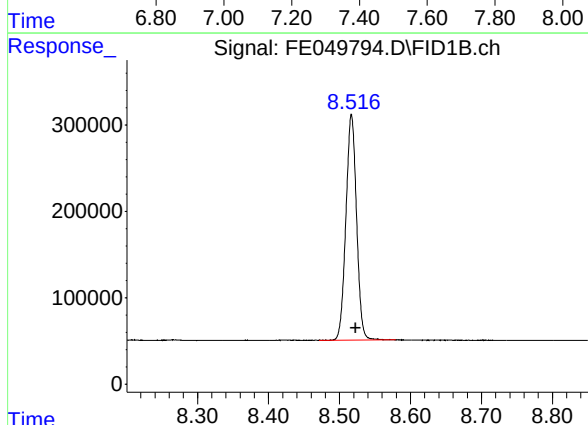
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.326 min
Delta R.T.: -0.004 min
Response: 2657809
Conc: 17.75 ug/ml

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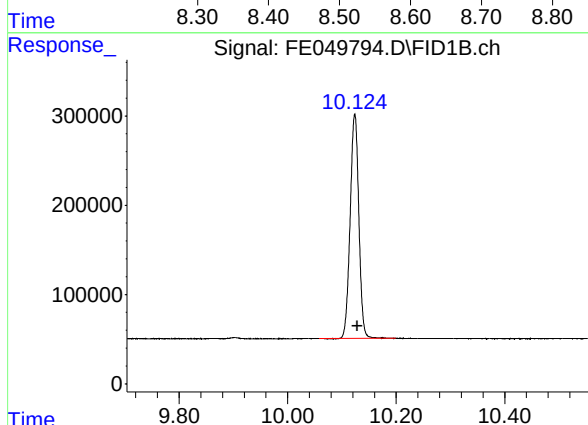
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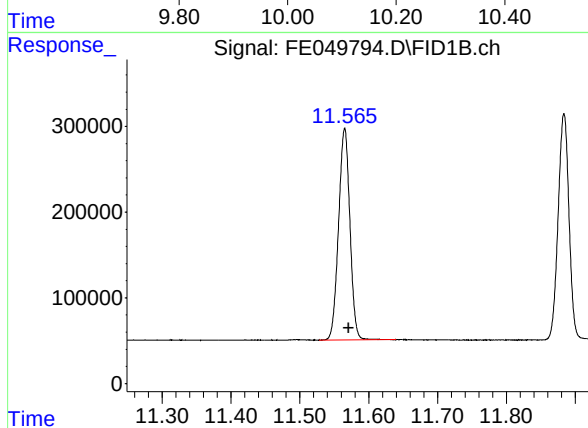
#6 n-Tetradecane (C14)

R.T.: 8.517 min
Delta R.T.: -0.006 min
Response: 2719145
Conc: 17.61 ug/ml



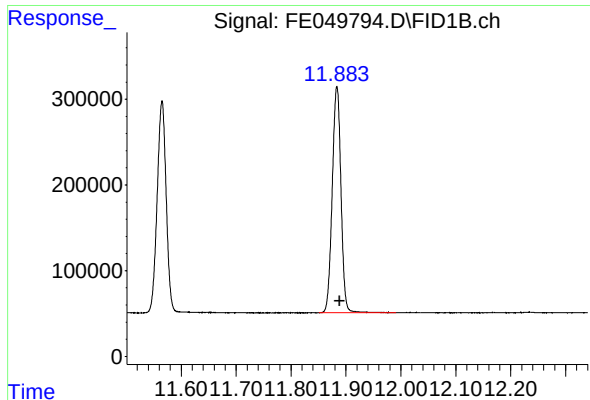
#7 n-Hexadecane (C16)

R.T.: 10.124 min
Delta R.T.: -0.005 min
Response: 2792760
Conc: 17.88 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.565 min
Delta R.T.: -0.006 min
Response: 2826970
Conc: 18.00 ug/ml



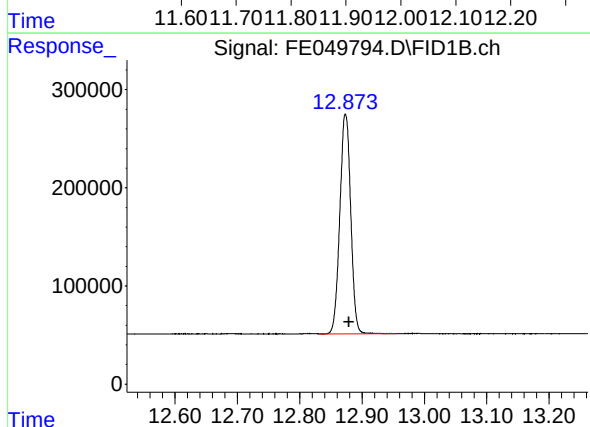
#9 ortho-Terphenyl (SURR)

R.T.: 11.884 min
Delta R.T.: -0.005 min
Response: 2918857
Conc: 18.05 ug/ml

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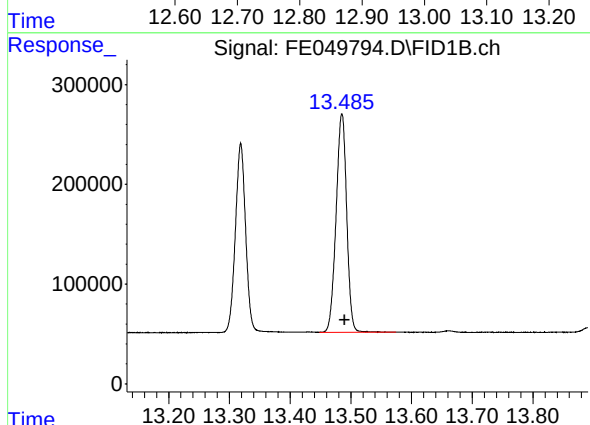
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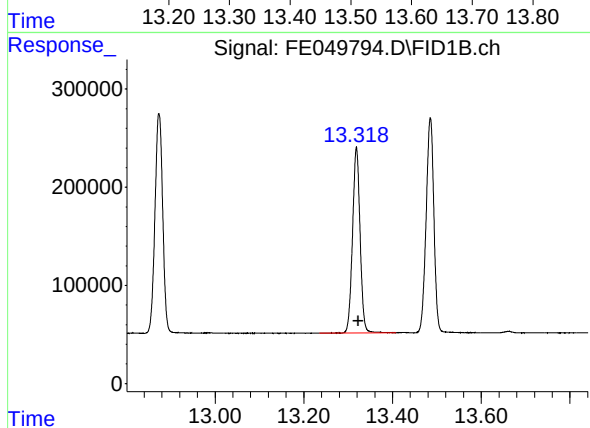
#10 n-Eicosane (C20)

R.T.: 12.874 min
Delta R.T.: -0.005 min
Response: 2713897
Conc: 18.18 ug/ml



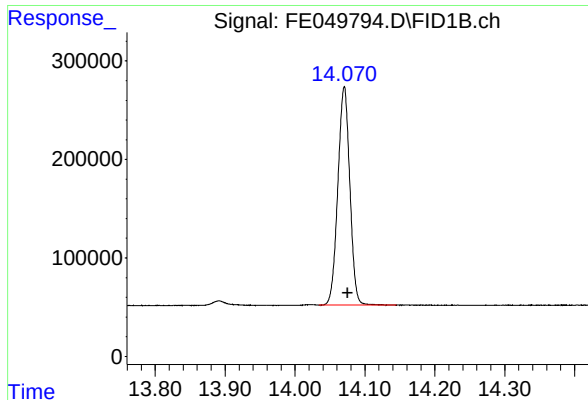
#11 n-Heneicosane (C21)

R.T.: 13.485 min
Delta R.T.: -0.005 min
Response: 2658450
Conc: 18.12 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.319 min
Delta R.T.: -0.005 min
Response: 2224619
Conc: 18.23 ug/ml



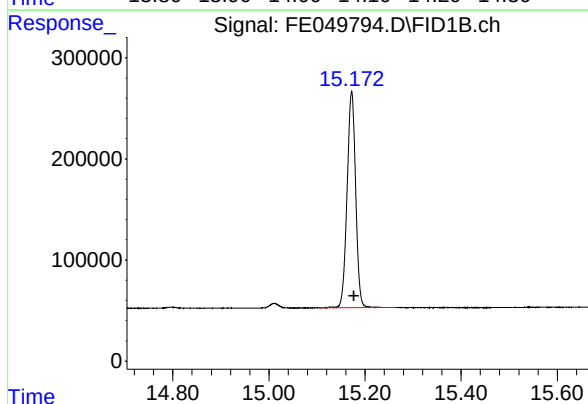
#13 n-Docosane (C22)

R.T.: 14.070 min
Delta R.T.: -0.005 min
Response: 2638683
Conc: 18.10 ug/ml

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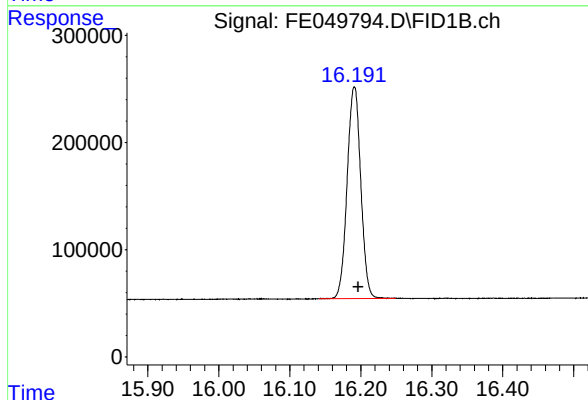
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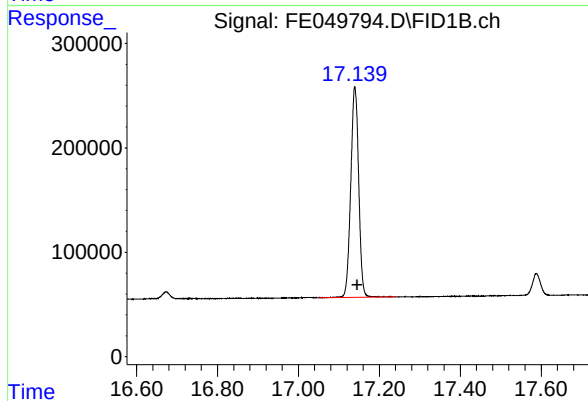
#14 n-Tetracosane (C24)

R.T.: 15.172 min
Delta R.T.: -0.005 min
Response: 2654159
Conc: 18.25 ug/ml



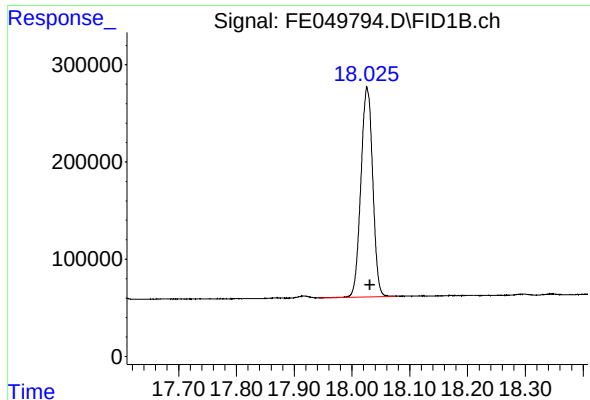
#15 n-Hexacosane (C26)

R.T.: 16.191 min
Delta R.T.: -0.006 min
Response: 2632938
Conc: 18.24 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.140 min
Delta R.T.: -0.005 min
Response: 2748160
Conc: 19.08 ug/ml



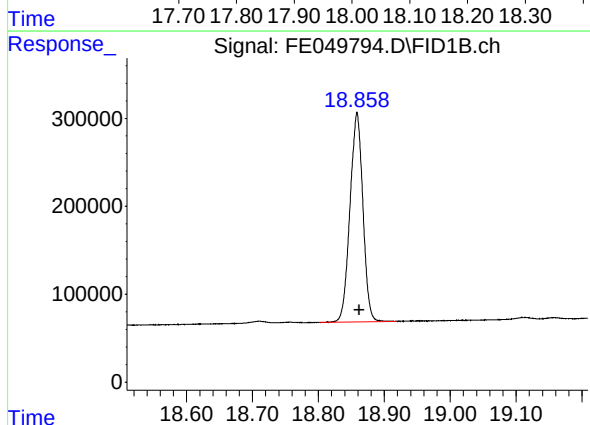
#17 n-Tricontane (C30)

R.T.: 18.026 min
Delta R.T.: -0.005 min
Response: 3060859
Conc: 20.45 ug/ml

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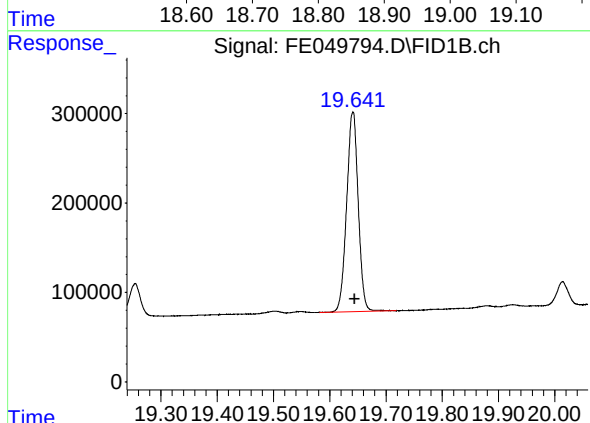
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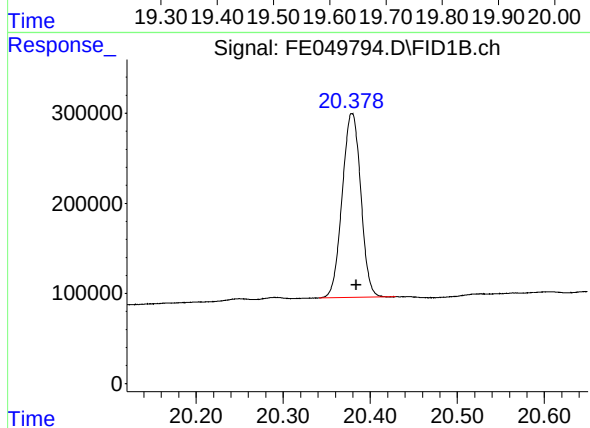
#18 n-Dotriacontane (C32)

R.T.: 18.859 min
Delta R.T.: -0.004 min
Response: 3238009
Conc: 21.40 ug/ml



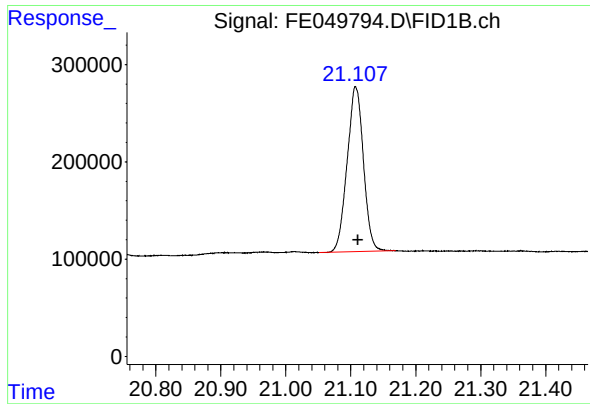
#19 n-Tetatriacontane (C34)

R.T.: 19.641 min
Delta R.T.: -0.003 min
Response: 3195753
Conc: 20.90 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.379 min
Delta R.T.: -0.005 min
Response: 3032407
Conc: 19.97 ug/ml



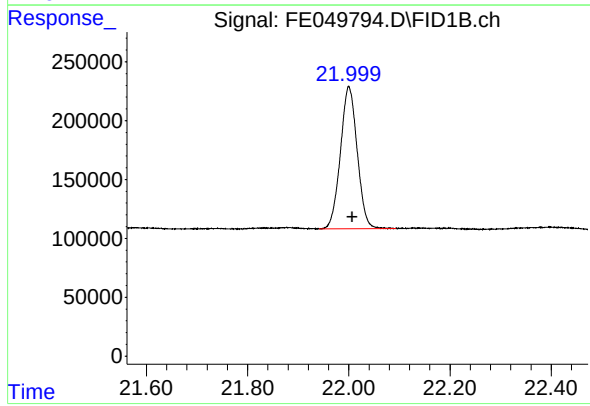
#21 n-Octatriacontane (C38)

R.T.: 21.108 min
Delta R.T.: -0.004 min
Response: 2960651
Conc: 18.86 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.999 min
Delta R.T.: -0.008 min
Response: 2780664
Conc: 18.21 ug/ml m