

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111423AL\
 Data File : FE045333.D
 Signal(s) : FID1B.ch
 Acq On : 14 Nov 2023 08:44
 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 11/15/2023
 Supervised By :Ankita Jodhani 11/15/2023

Integration File: autoint1.e
 Quant Time: Nov 14 21:44:31 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110423.M
 Quant Title : GC Extractables
 QLast Update : Sat Nov 04 05:16:05 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)	11.877	3949371	20.685 ug/ml
Spiked Amount 50.000		Recovery =	41.37%
12) S 1-chlorooctadecane (S...	13.319	2835196	20.584 ug/ml
Spiked Amount 50.000		Recovery =	41.17%
Target Compounds			
1) T n-Nonane (C9)	3.265	3363822	20.362 ug/ml
2) T n-Decane (C10)	4.516	3498404	20.864 ug/ml
3) T A~Naphthalene (C11.7)	6.216	3690608	20.676 ug/ml
4) T n-Dodecane (C12)	6.682	3541968	20.973 ug/ml
5) T A~2-methylnaphthalene...	7.311	3537895	20.603 ug/ml
6) T n-Tetradecane (C14)	8.509	3482041	20.892 ug/ml
7) T n-Hexadecane (C16)	10.118	3505796	20.843 ug/ml
8) T n-Octadecane (C18)	11.564	3454490	20.640 ug/ml
10) T n-Eicosane (C20)	12.876	3262390	20.595 ug/ml
11) T n-Heneicosane (C21)	13.488	3166037	20.591 ug/ml
13) T n-Docosane (C22)	14.075	3120437	20.595 ug/ml
14) T n-Tetracosane (C24)	15.180	3077939	20.781 ug/ml
15) T n-Hexacosane (C26)	16.203	3044437	20.887 ug/ml
16) T n-Octacosane (C28)	17.153	3112384	21.299 ug/ml
17) T n-Tricontane (C30)	18.043	3338939	21.981 ug/ml
18) T n-Dotriacontane (C32)	18.877	3512455	22.484 ug/ml
19) T n-Tetratriacontane (C34)	19.662	3457882	22.146 ug/ml
20) T n-Hexatriacontane (C36)	20.405	3463544	21.338 ug/mlm
21) T n-Octatriacontane (C38)	21.142	3595176	21.639 ug/ml
22) T n-Tetracontane (C40)	22.050	3330210	19.497 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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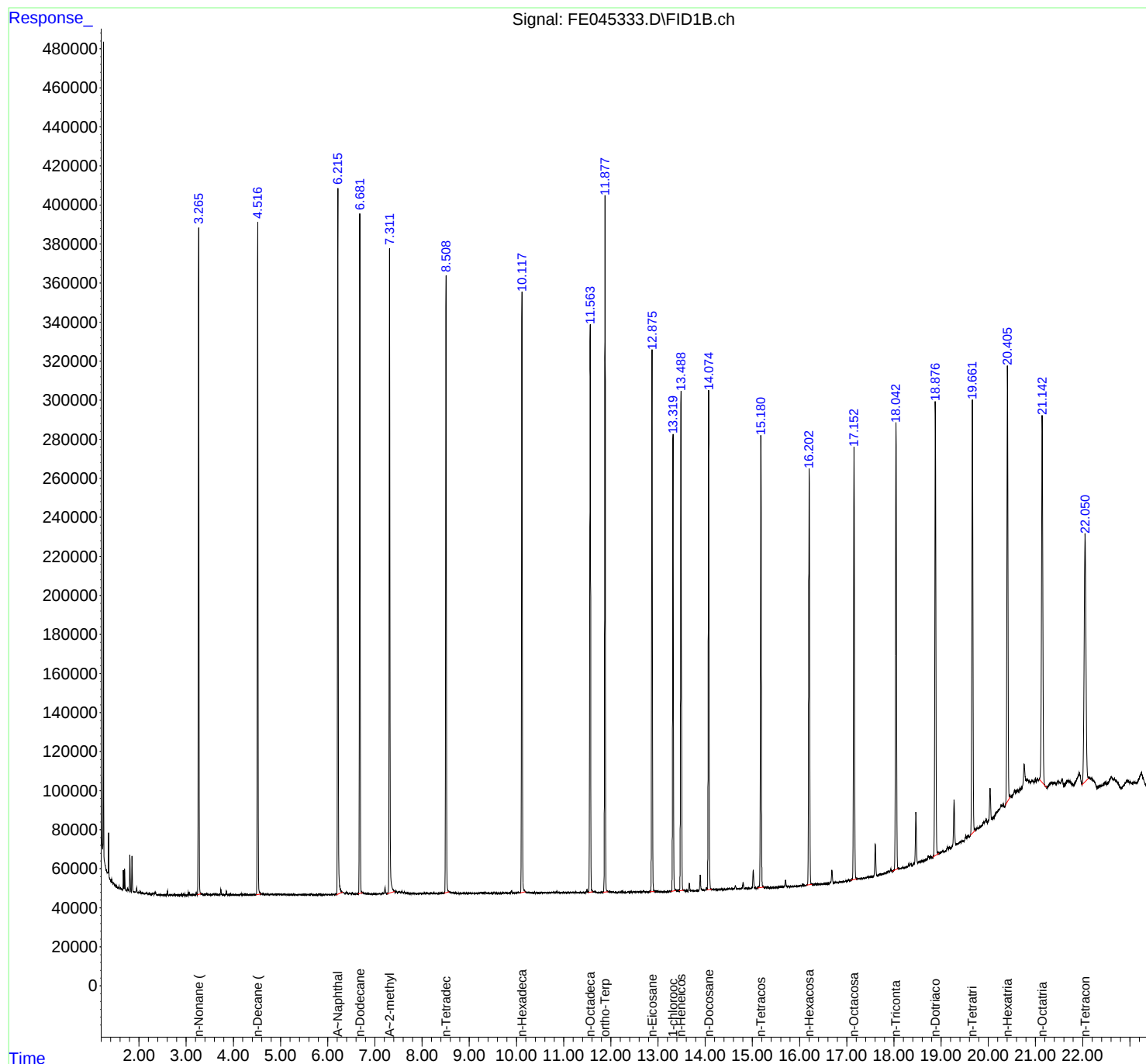
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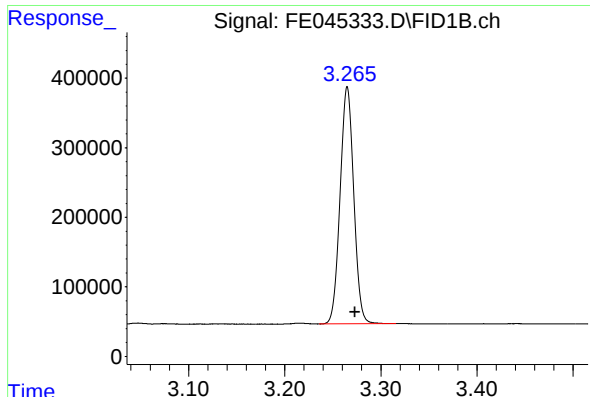
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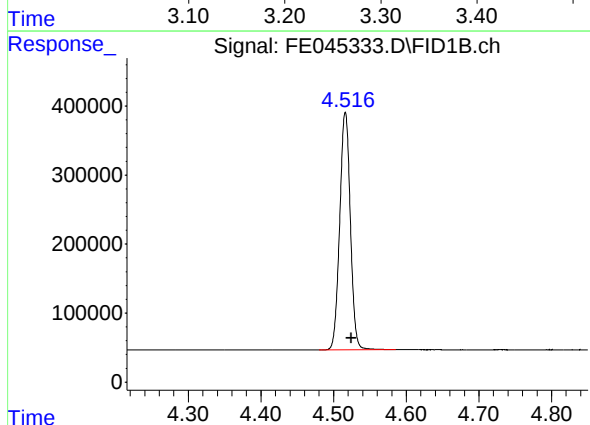
#1 n-Nonane (C9)

R.T.: 3.265 min
Delta R.T.: -0.008 min
Response: 3363822
Conc: 20.36 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

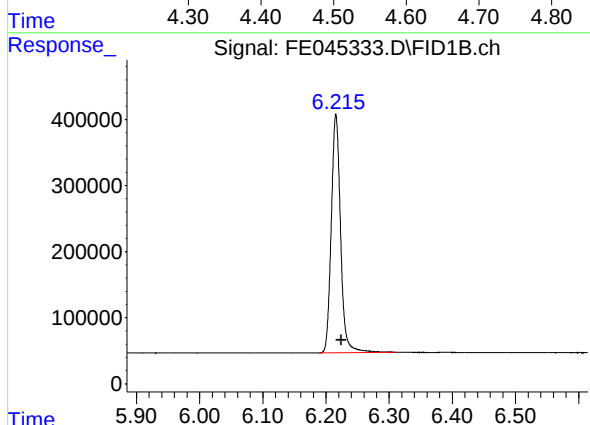
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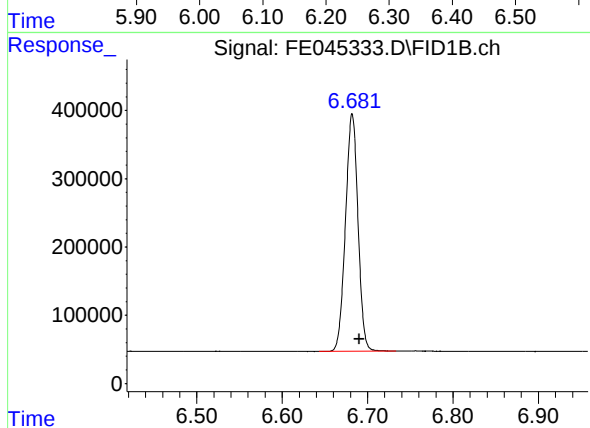
#2 n-Decane (C10)

R.T.: 4.516 min
Delta R.T.: -0.008 min
Response: 3498404
Conc: 20.86 ug/ml



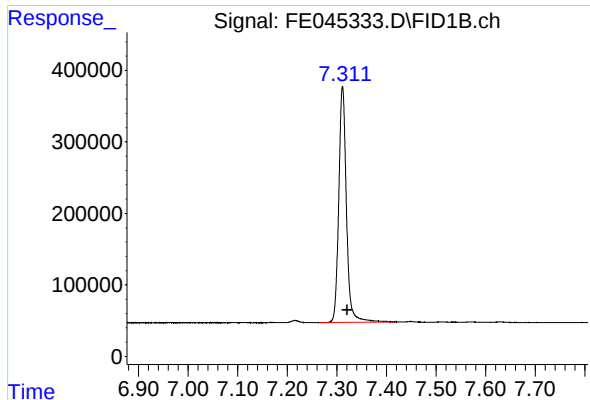
#3 A~Naphthalene (C11.7)

R.T.: 6.216 min
Delta R.T.: -0.009 min
Response: 3690608
Conc: 20.68 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.682 min
Delta R.T.: -0.008 min
Response: 3541968
Conc: 20.97 ug/ml



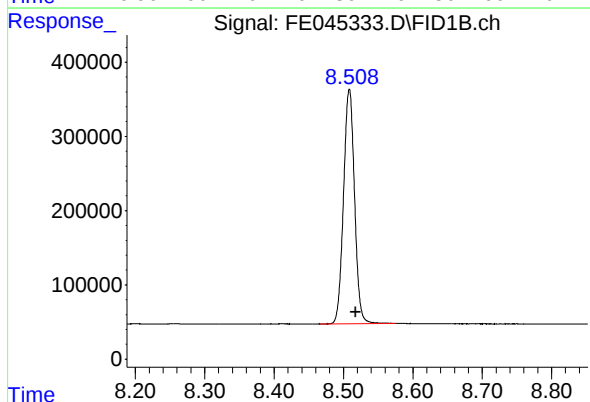
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.311 min
Delta R.T.: -0.009 min
Response: 3537895
Conc: 20.60 ug/ml

Instrument :
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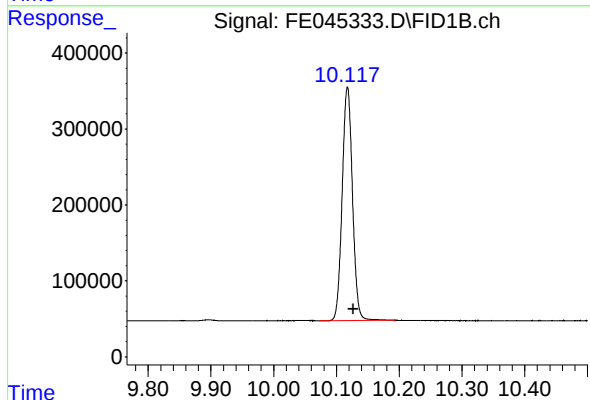
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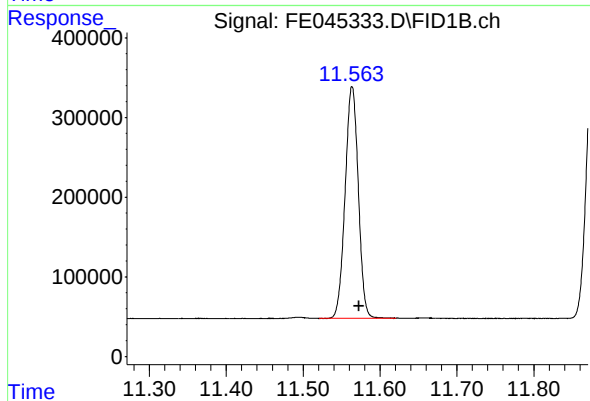
#6 n-Tetradecane (C14)

R.T.: 8.509 min
Delta R.T.: -0.009 min
Response: 3482041
Conc: 20.89 ug/ml



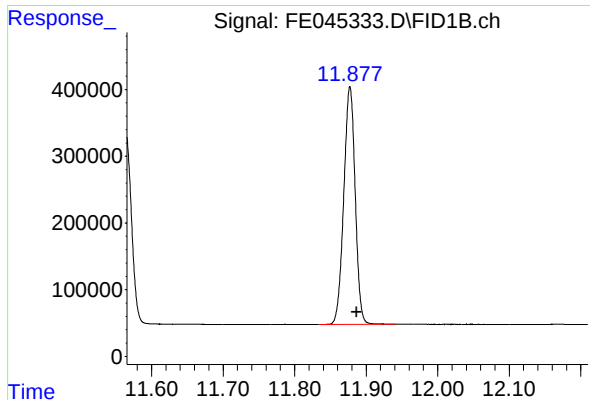
#7 n-Hexadecane (C16)

R.T.: 10.118 min
Delta R.T.: -0.009 min
Response: 3505796
Conc: 20.84 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.564 min
Delta R.T.: -0.009 min
Response: 3454490
Conc: 20.64 ug/ml



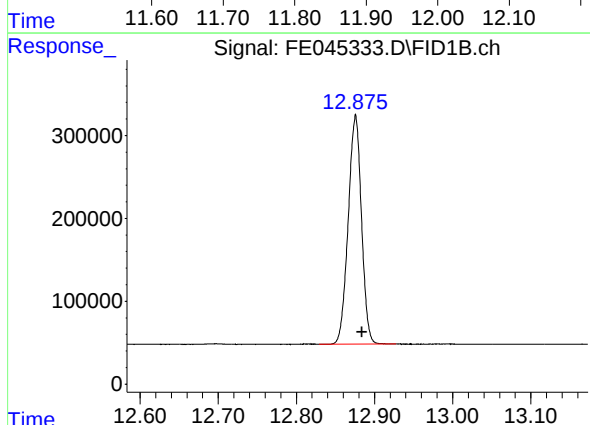
#9 ortho-Terphenyl (SURR)

R.T.: 11.877 min
Delta R.T.: -0.009 min
Response: 3949371
Conc: 20.69 ug/ml

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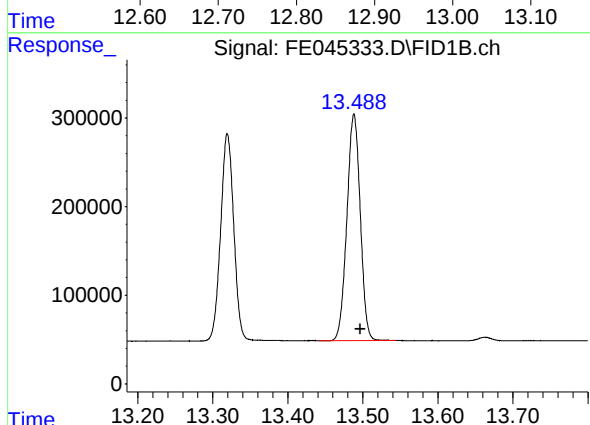
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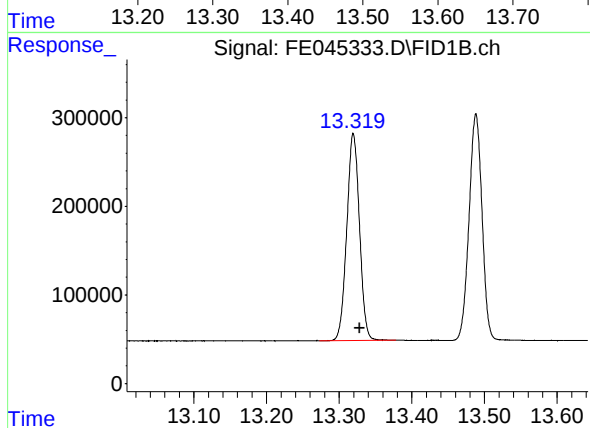
#10 n-Eicosane (C20)

R.T.: 12.876 min
Delta R.T.: -0.008 min
Response: 3262390
Conc: 20.59 ug/ml



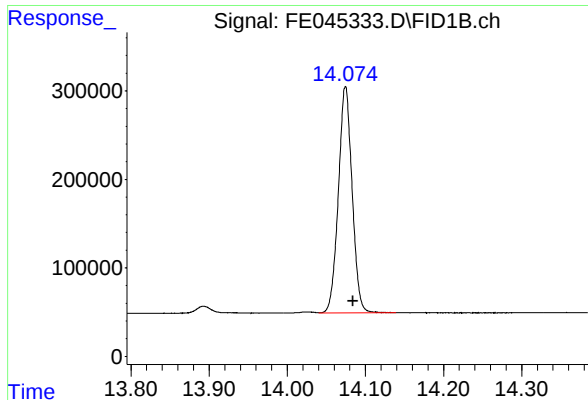
#11 n-Heneicosane (C21)

R.T.: 13.488 min
Delta R.T.: -0.009 min
Response: 3166037
Conc: 20.59 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.319 min
Delta R.T.: -0.009 min
Response: 2835196
Conc: 20.58 ug/ml



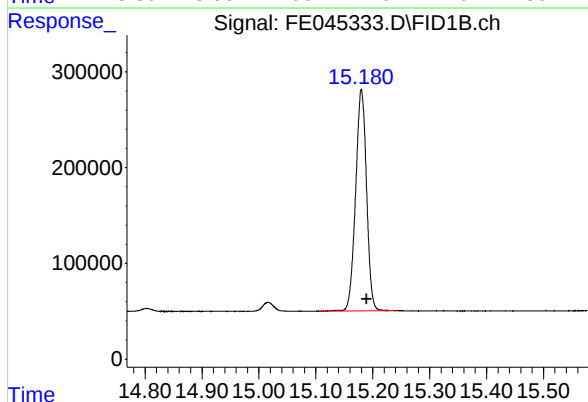
#13 n-Docosane (C22)

R.T.: 14.075 min
Delta R.T.: -0.009 min
Response: 3120437
Conc: 20.59 ug/ml

Instrument :
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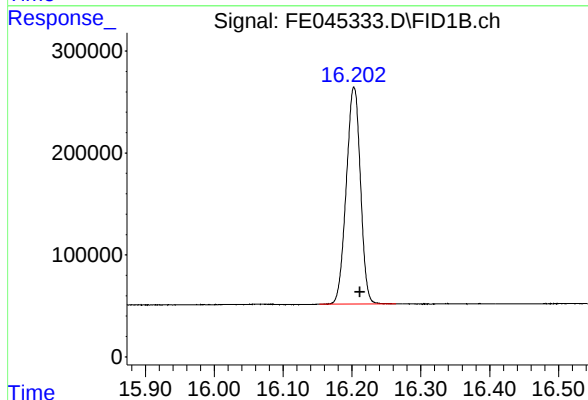
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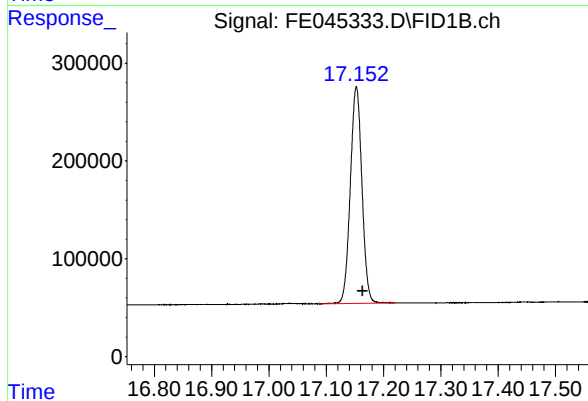
#14 n-Tetracosane (C24)

R.T.: 15.180 min
Delta R.T.: -0.009 min
Response: 3077939
Conc: 20.78 ug/ml



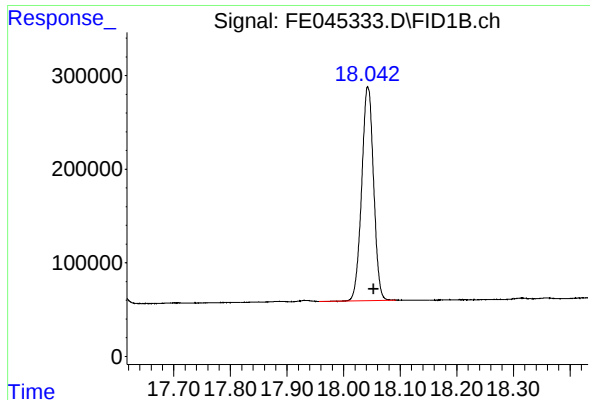
#15 n-Hexacosane (C26)

R.T.: 16.203 min
Delta R.T.: -0.009 min
Response: 3044437
Conc: 20.89 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.153 min
Delta R.T.: -0.011 min
Response: 3112384
Conc: 21.30 ug/ml



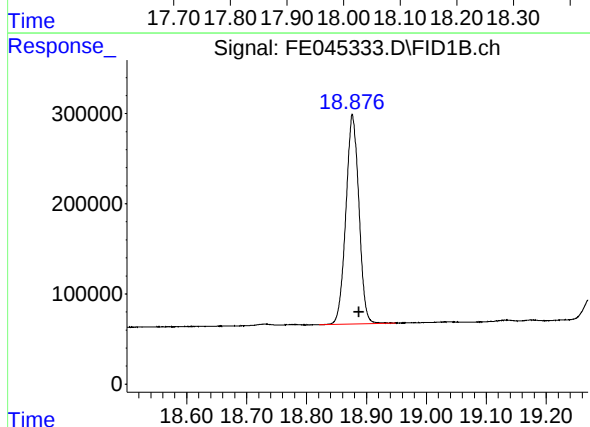
#17 n-Tricontane (C30)

R.T.: 18.043 min
Delta R.T.: -0.010 min
Response: 3338939
Conc: 21.98 ug/ml

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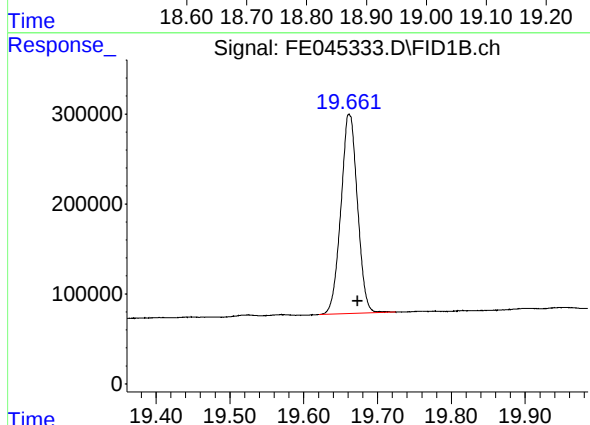
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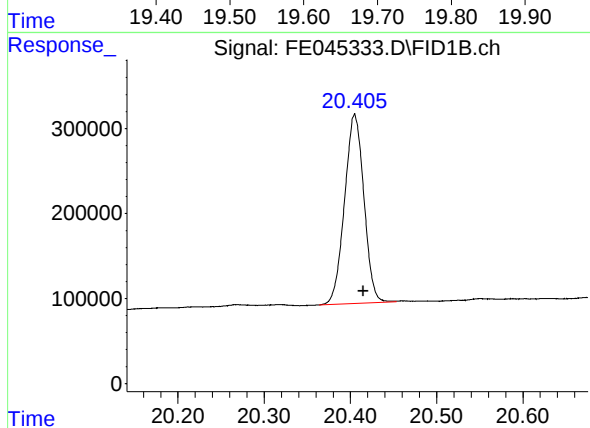
#18 n-Dotriacontane (C32)

R.T.: 18.877 min
Delta R.T.: -0.011 min
Response: 3512455
Conc: 22.48 ug/ml



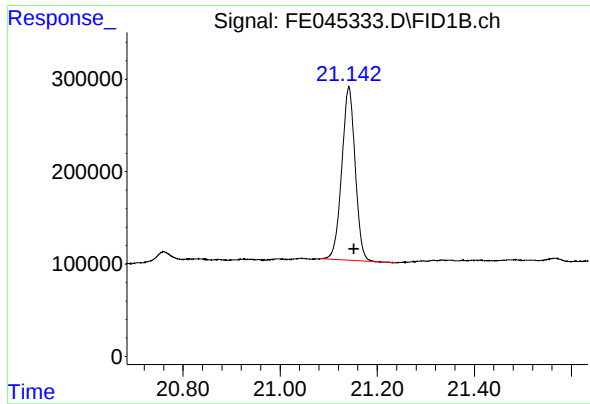
#19 n-Tetratriacontane (C34)

R.T.: 19.662 min
Delta R.T.: -0.012 min
Response: 3457882
Conc: 22.15 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.405 min
Delta R.T.: -0.010 min
Response: 3463544
Conc: 21.34 ug/ml m



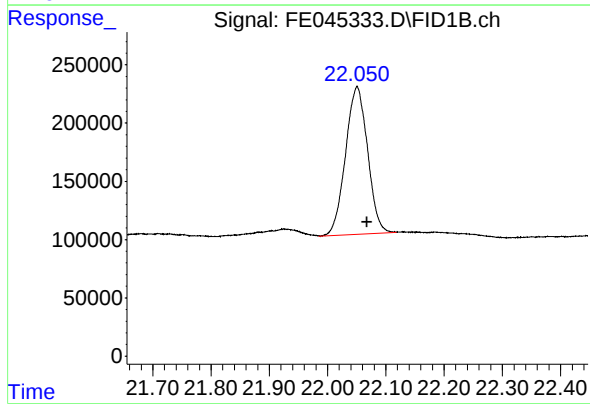
#21 n-Octatriacontane (C38)

R.T.: 21.142 min
Delta R.T.: -0.011 min
Response: 3595176
Conc: 21.64 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.050 min
Delta R.T.: -0.017 min
Response: 3330210
Conc: 19.50 ug/ml m