

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE042223AL\
 Data File : FE041495.D
 Signal(s) : FID1B.ch
 Acq On : 22 Apr 2023 01:19
 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 04/24/2023
 Supervised By :Ankita Jodhani 04/24/2023

Integration File: autoint1.e
 Quant Time: Apr 22 04:06:52 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 042123.M
 Quant Title : GC Extractables
 QLast Update : Fri Apr 21 07:33:51 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)	11.984	3555251	18.950 ug/ml
Spiked Amount 50.000		Recovery =	37.90%
12) S 1-chlorooctadecane (S...	13.420	2647764	18.743 ug/ml
Spiked Amount 50.000		Recovery =	37.49%
Target Compounds			
1) T n-Nonane (C9)	3.360	2992934	20.361 ug/ml
2) T n-Decane (C10)	4.613	3063512	20.426 ug/ml
3) T A~Naphthalene (C11.7)	6.320	3375593	20.398 ug/ml
4) T n-Dodecane (C12)	6.782	3106592	20.432 ug/ml
5) T A~2-methylnaphthalene...	7.418	3281338	20.350 ug/ml
6) T n-Tetradecane (C14)	8.611	3098677	20.399 ug/ml
7) T n-Hexadecane (C16)	10.221	3194311	20.016 ug/ml
8) T n-Octadecane (C18)	11.665	3205136	19.554 ug/ml
10) T n-Eicosane (C20)	12.975	3054306	18.989 ug/ml
11) T n-Heneicosane (C21)	13.587	3008656	18.878 ug/ml
13) T n-Docosane (C22)	14.174	2952230	18.529 ug/ml
14) T n-Tetracosane (C24)	15.278	2930275	18.176 ug/ml
15) T n-Hexacosane (C26)	16.299	2785856	17.621 ug/ml
16) T n-Octacosane (C28)	17.249	2689358	17.478 ug/ml
17) T n-Tricontane (C30)	18.138	2688406	17.652 ug/ml
18) T n-Dotriacontane (C32)	18.969	2577464	17.301 ug/ml
19) T n-Tetratriacontane (C34)	19.753	2539841	18.029 ug/ml
20) T n-Hexatriacontane (C36)	20.492	2505734	18.737 ug/mlm
21) T n-Octatriacontane (C38)	21.249	2623721	19.856 ug/mlm
22) T n-Tetracontane (C40)	22.191	2658375	20.996 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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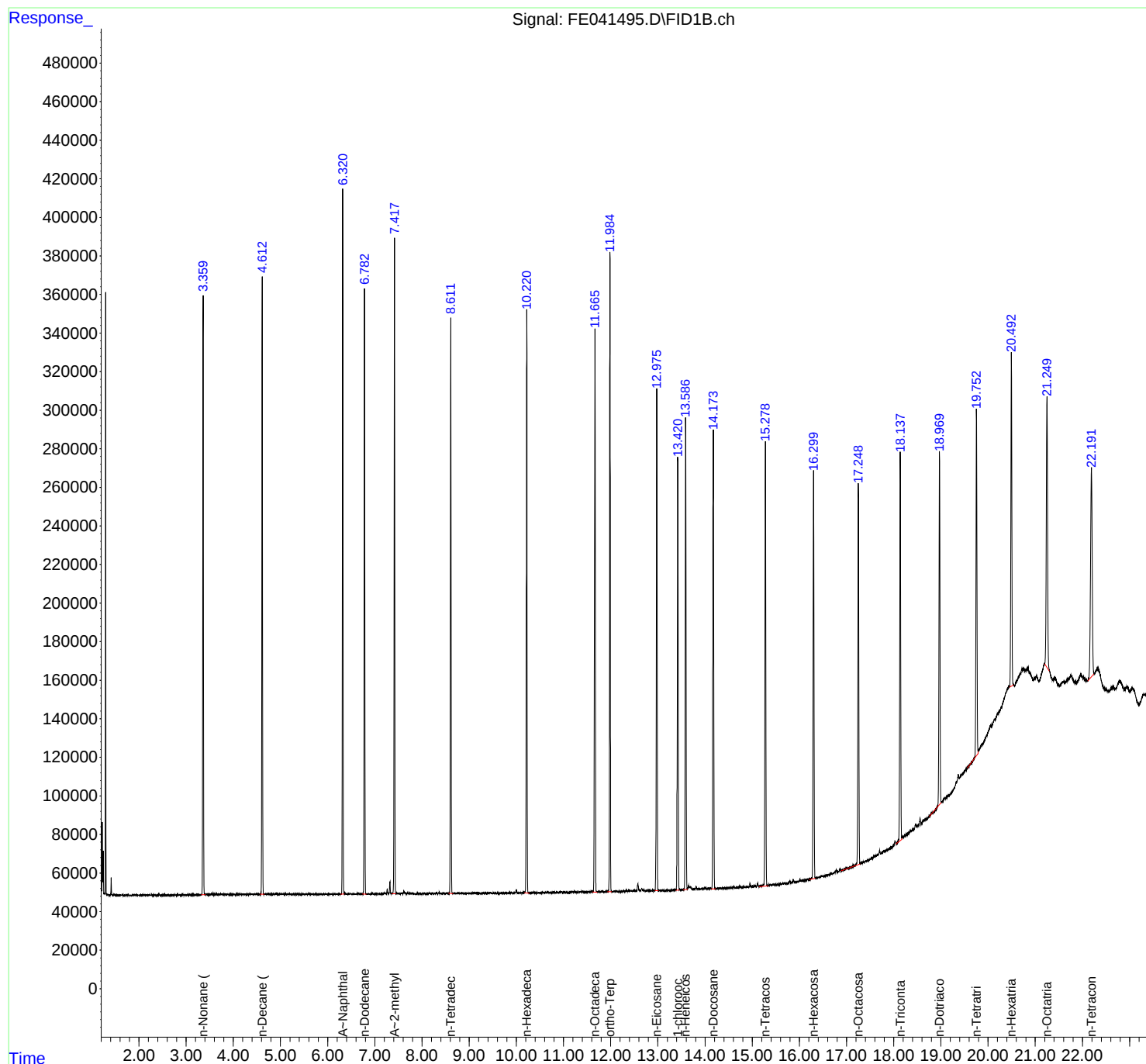
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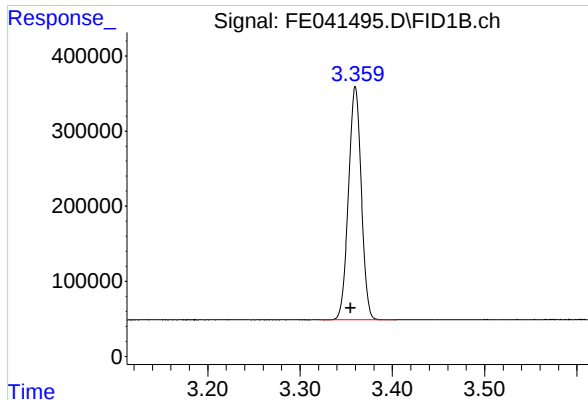
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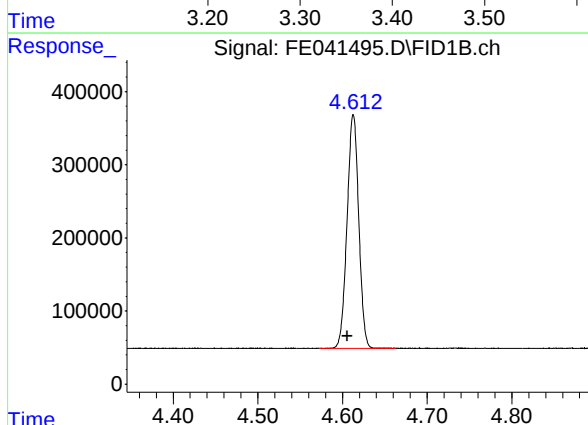
#1 n-Nonane (C9)

R.T.: 3.360 min
Delta R.T.: 0.005 min
Response: 2992934
Conc: 20.36 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

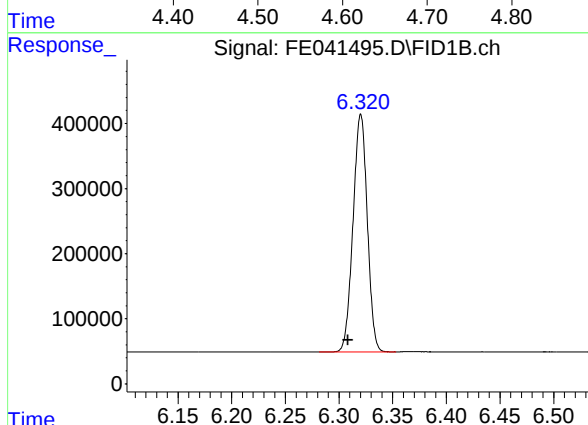
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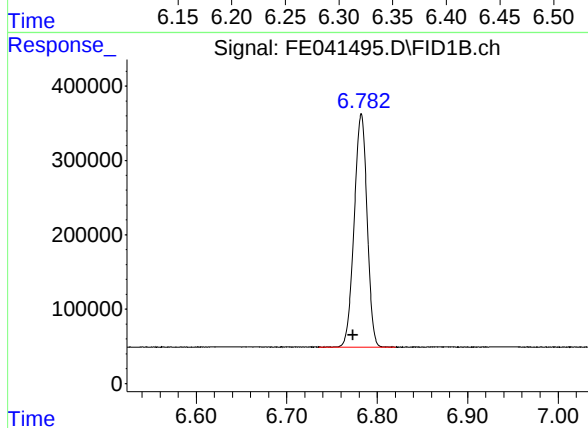
#2 n-Decane (C10)

R.T.: 4.613 min
Delta R.T.: 0.007 min
Response: 3063512
Conc: 20.43 ug/ml



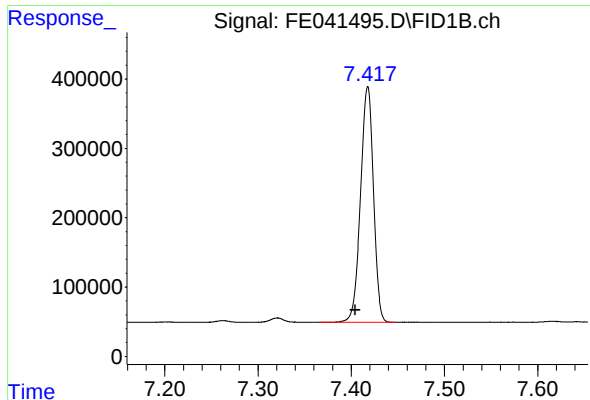
#3 A~Naphthalene (C11.7)

R.T.: 6.320 min
Delta R.T.: 0.012 min
Response: 3375593
Conc: 20.40 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.782 min
Delta R.T.: 0.009 min
Response: 3106592
Conc: 20.43 ug/ml



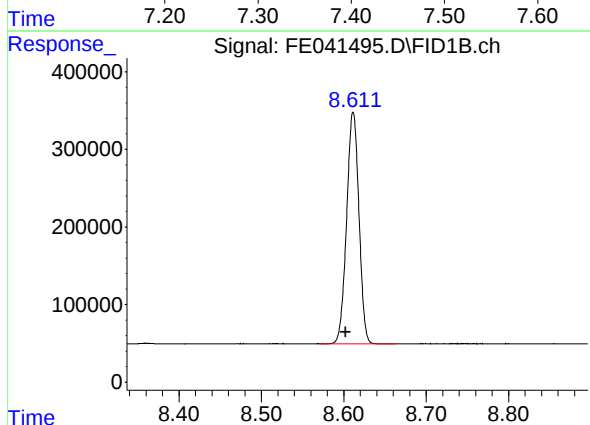
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.418 min
Delta R.T.: 0.013 min
Response: 3281338
Conc: 20.35 ug/ml

Instrument : FID_E
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20 PPM ALIPHATIC HC STD

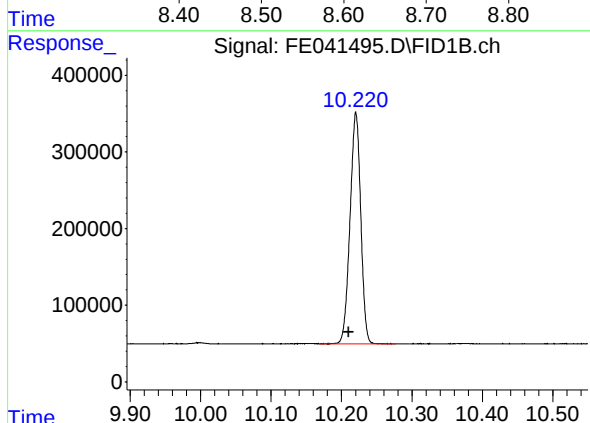
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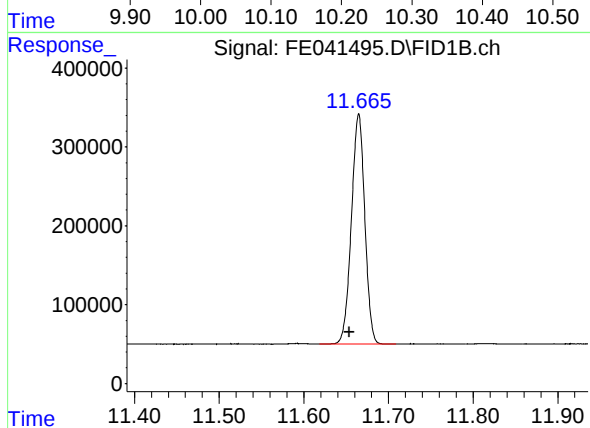
#6 n-Tetradecane (C14)

R.T.: 8.611 min
Delta R.T.: 0.009 min
Response: 3098677
Conc: 20.40 ug/ml



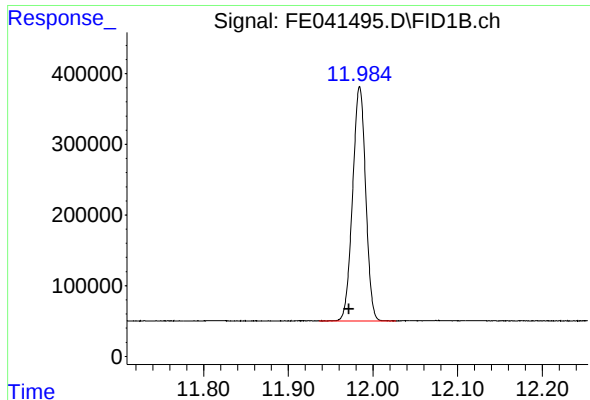
#7 n-Hexadecane (C16)

R.T.: 10.221 min
Delta R.T.: 0.011 min
Response: 3194311
Conc: 20.02 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.665 min
Delta R.T.: 0.011 min
Response: 3205136
Conc: 19.55 ug/ml



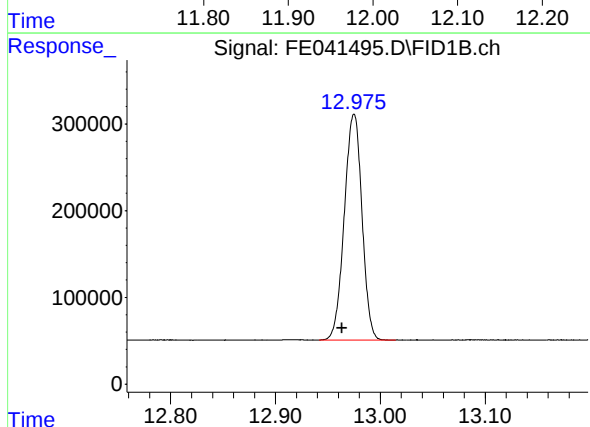
#9 ortho-Terphenyl (SURR)

R.T.: 11.984 min
Delta R.T.: 0.013 min
Response: 3555251
Conc: 18.95 ug/ml

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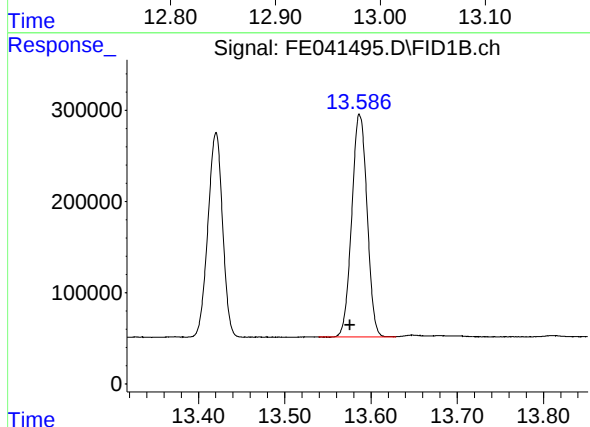
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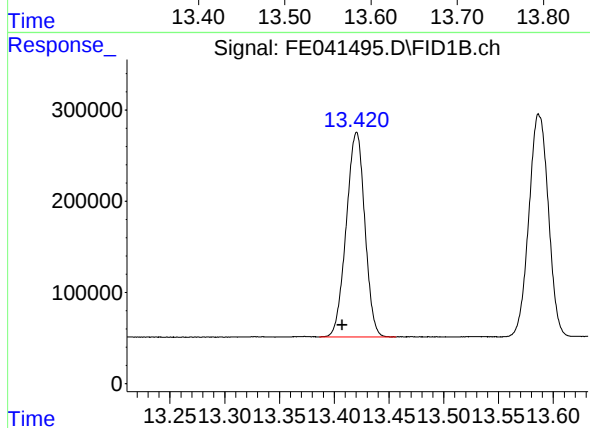
#10 n-Eicosane (C20)

R.T.: 12.975 min
Delta R.T.: 0.011 min
Response: 3054306
Conc: 18.99 ug/ml



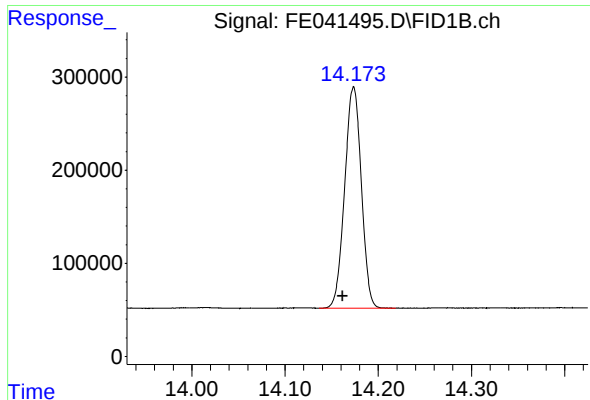
#11 n-Heneicosane (C21)

R.T.: 13.587 min
Delta R.T.: 0.011 min
Response: 3008656
Conc: 18.88 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.420 min
Delta R.T.: 0.013 min
Response: 2647764
Conc: 18.74 ug/ml



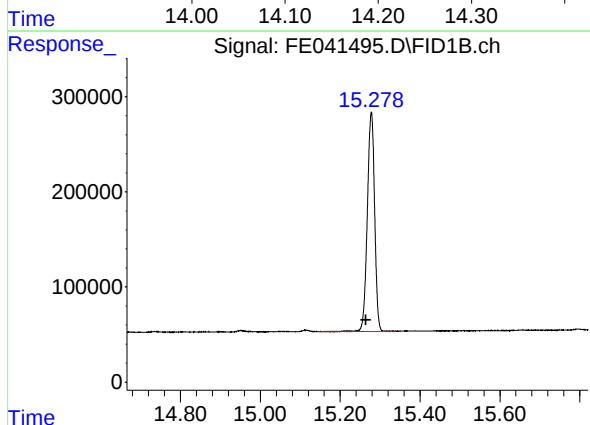
#13 n-Docosane (C22)

R.T.: 14.174 min
Delta R.T.: 0.012 min
Response: 2952230
Conc: 18.53 ug/ml

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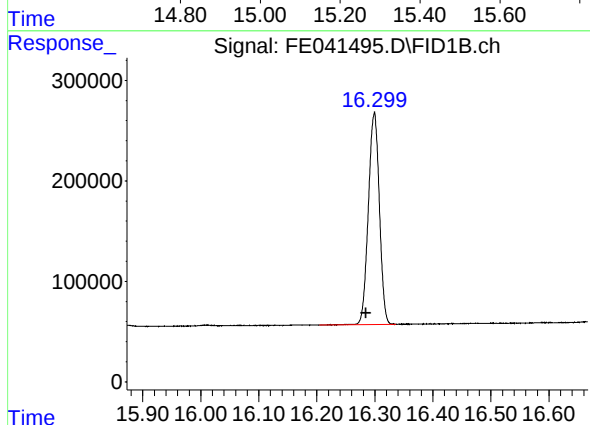
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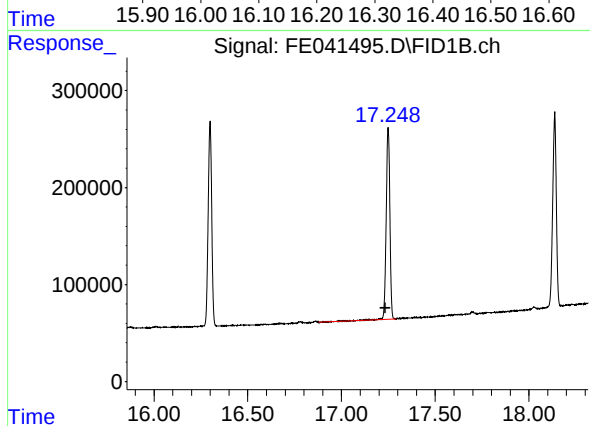
#14 n-Tetracosane (C24)

R.T.: 15.278 min
Delta R.T.: 0.013 min
Response: 2930275
Conc: 18.18 ug/ml



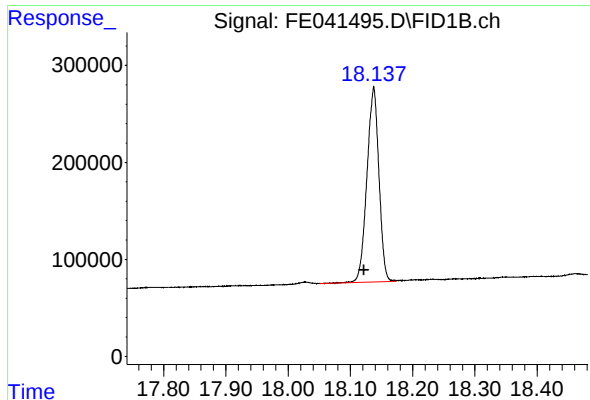
#15 n-Hexacosane (C26)

R.T.: 16.299 min
Delta R.T.: 0.014 min
Response: 2785856
Conc: 17.62 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.249 min
Delta R.T.: 0.015 min
Response: 2689358
Conc: 17.48 ug/ml



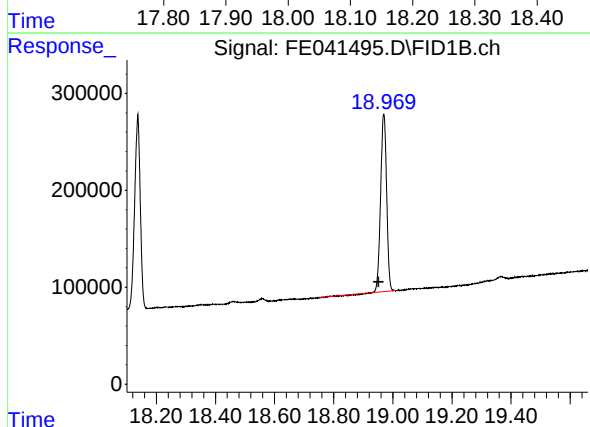
#17 n-Tricontane (C30)

R.T.: 18.138 min
Delta R.T.: 0.016 min
Response: 2688406
Conc: 17.65 ug/ml

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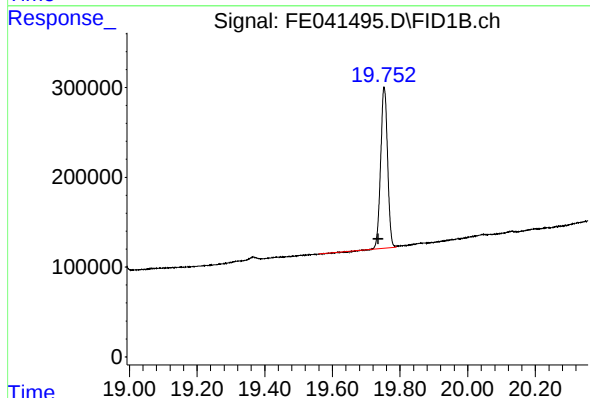
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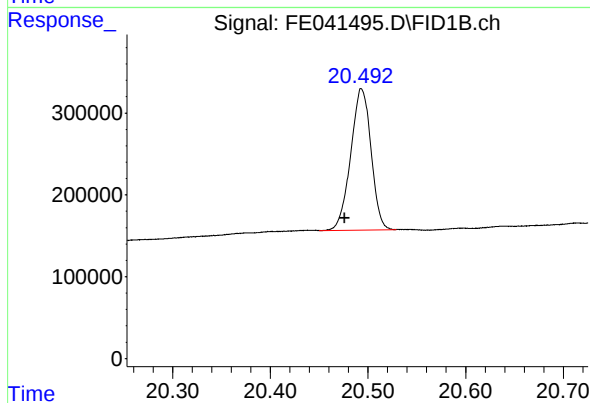
#18 n-Dotriacontane (C32)

R.T.: 18.969 min
Delta R.T.: 0.017 min
Response: 2577464
Conc: 17.30 ug/ml



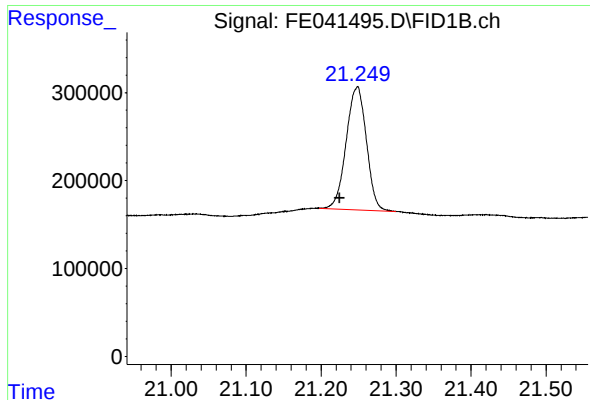
#19 n-Tetratriacontane (C34)

R.T.: 19.753 min
Delta R.T.: 0.017 min
Response: 2539841
Conc: 18.03 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.492 min
Delta R.T.: 0.016 min
Response: 2505734
Conc: 18.74 ug/ml m



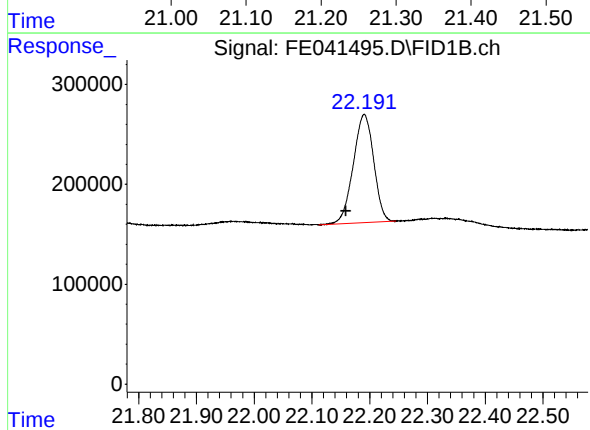
#21 n-Octatriacontane (C38)

R.T.: 21.249 min
Delta R.T.: 0.024 min
Response: 2623721
Conc: 19.86 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.191 min
Delta R.T.: 0.032 min
Response: 2658375
Conc: 21.00 ug/ml m