

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF051225AL\
 Data File : FF015821.D
 Signal(s) : FID2B.ch
 Acq On : 12 May 2025 14:53
 Operator : YP\AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/13/2025
 Supervised By :mohammad ahmed 05/14/2025

Integration File: autoint1.e
 Quant Time: May 12 16:11:00 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 051225.M
 Quant Title : GC Extractables
 QLast Update : Mon May 12 16:00:20 2025
 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)	11.938	1490407	10.401 ug/ml
Spiked Amount 50.000		Recovery =	20.80%
12) S 1-chlorooctadecane (S...	13.369	1136664	10.403 ug/ml
Spiked Amount 50.000		Recovery =	20.81%
Target Compounds			
1) T n-Nonane (C9)	3.310	1099905	10.147 ug/ml
2) T n-Decane (C10)	4.566	1102745	10.119 ug/ml
3) T A~Naphthalene (C11.7)	6.296	825786	7.826 ug/ml
4) T n-Dodecane (C12)	6.732	1156080	10.312 ug/ml
5) T A~2-methylnaphthalene...	7.416	821791	8.507 ug/mlm
6) T n-Tetradecane (C14)	8.560	1153925	10.332 ug/ml
7) T n-Hexadecane (C16)	10.168	1135257	10.157 ug/ml
8) T n-Octadecane (C18)	11.610	1182370	10.309 ug/ml
10) T n-Eicosane (C20)	12.919	1236738	10.560 ug/ml
11) T n-Heneicosane (C21)	13.531	1246765	10.594 ug/ml
13) T n-Docosane (C22)	14.118	1243676	10.587 ug/ml
14) T n-Tetracosane (C24)	15.222	1250352	10.597 ug/ml
15) T n-Hexacosane (C26)	16.244	1254527	10.648 ug/ml
16) T n-Octacosane (C28)	17.194	1253271	10.708 ug/ml
17) T n-Tricontane (C30)	18.082	1292702	10.878 ug/ml
18) T n-Dotriacontane (C32)	18.914	1322853	11.042 ug/ml
19) T n-Tetratriacontane (C34)	19.698	1234818	10.957 ug/ml
20) T n-Hexatriacontane (C36)	20.438	1151510	10.693 ug/ml
21) T n-Octatriacontane (C38)	21.174	1102763	10.784 ug/ml
22) T n-Tetracontane (C40)	22.085	1023035	10.490 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 24 Sample Multiplier: 1

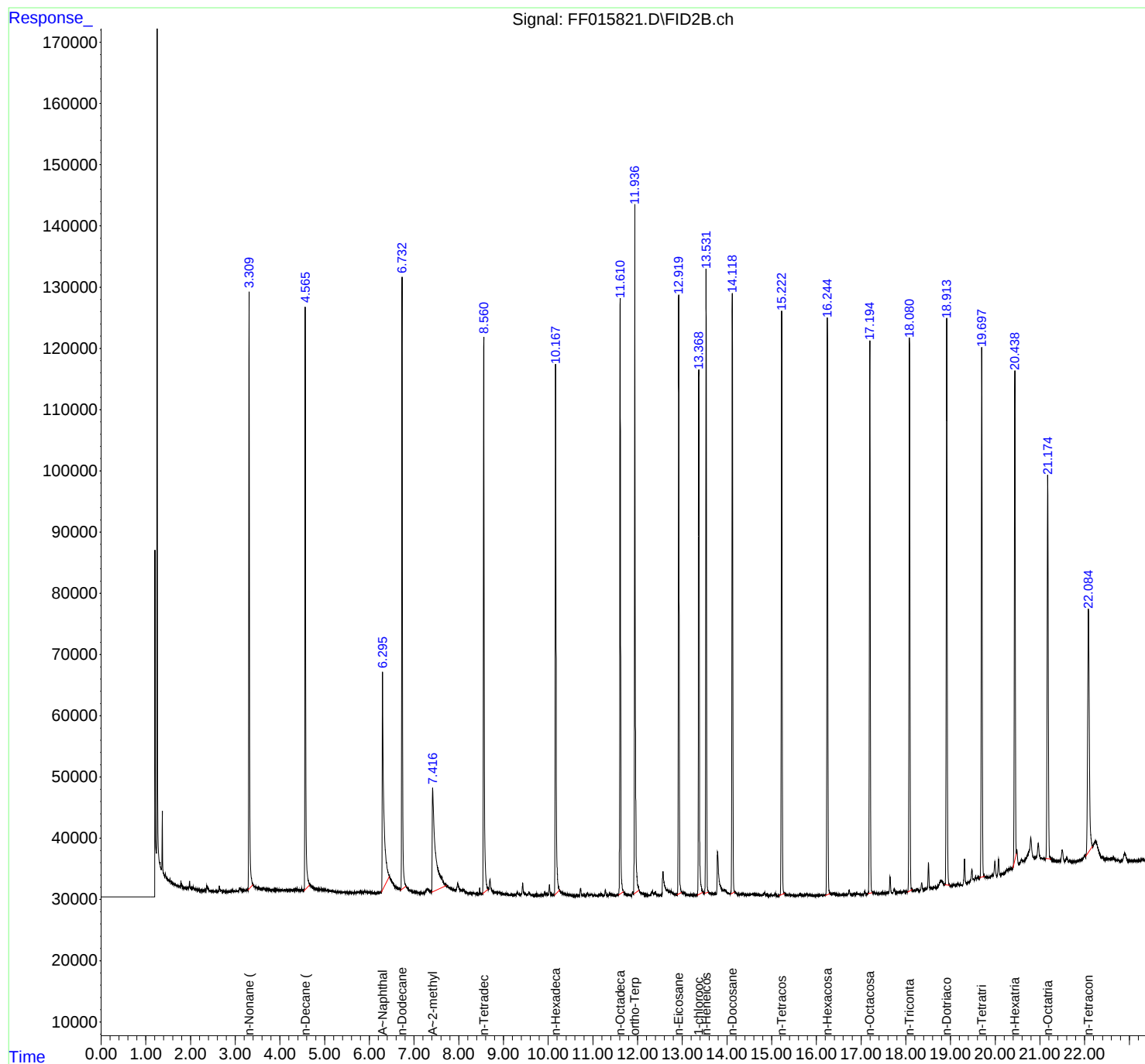
Instrument :
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10 PPM ALIPHATIC HC STD4

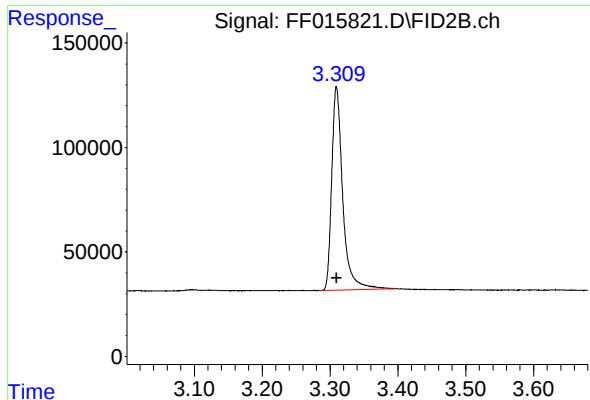
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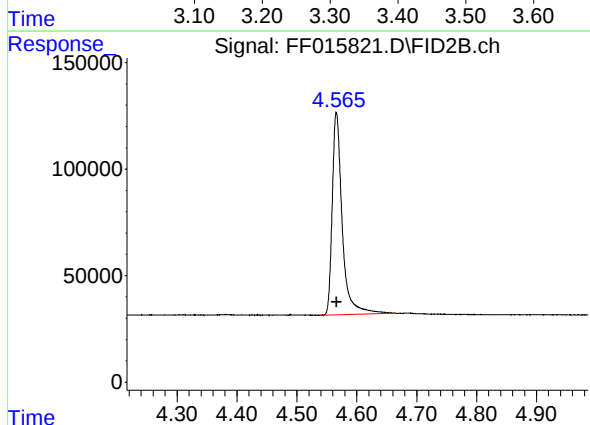
#1 n-Nonane (C9)

R.T.: 3.310 min
Delta R.T.: 0.000 min
Response: 1099905
Conc: 10.15 ug/ml

Instrument : FID_F
ClientSampleId : 10 PPM ALIPHATIC HC STD4

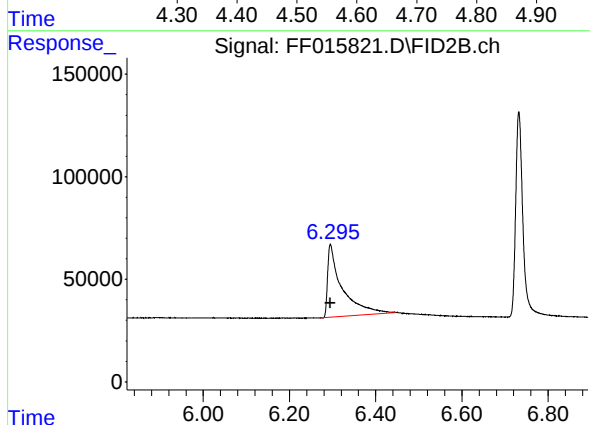
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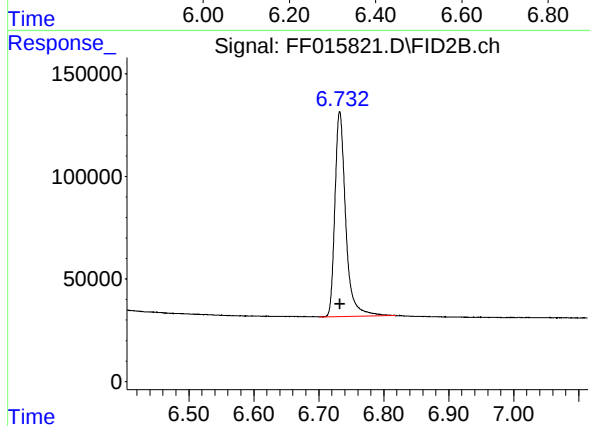
#2 n-Decane (C10)

R.T.: 4.566 min
Delta R.T.: 0.000 min
Response: 1102745
Conc: 10.12 ug/ml



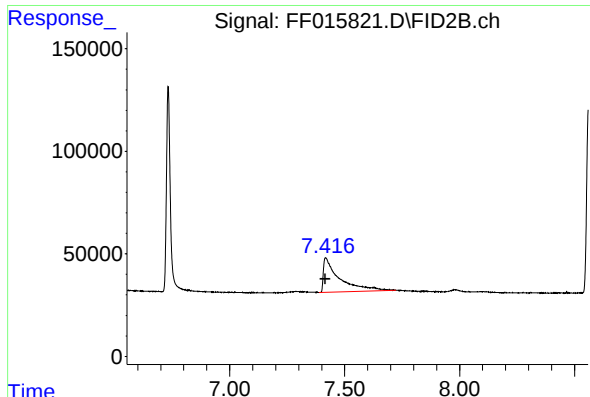
#3 A~Naphthalene (C11.7)

R.T.: 6.296 min
Delta R.T.: 0.001 min
Response: 825786
Conc: 7.83 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.732 min
Delta R.T.: 0.000 min
Response: 1156080
Conc: 10.31 ug/ml



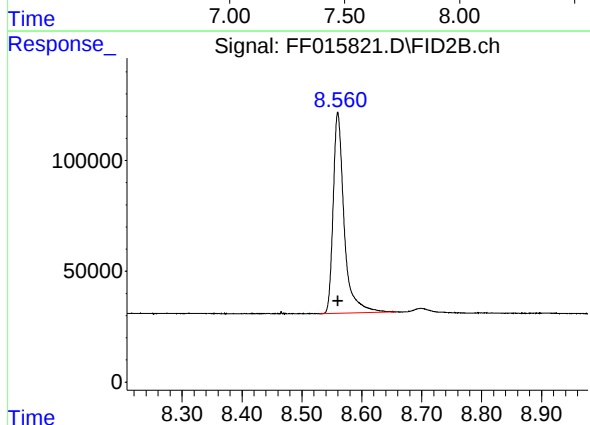
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.416 min
Delta R.T.: 0.000 min
Response: 821791
Conc: 8.51 ug/ml

Instrument :
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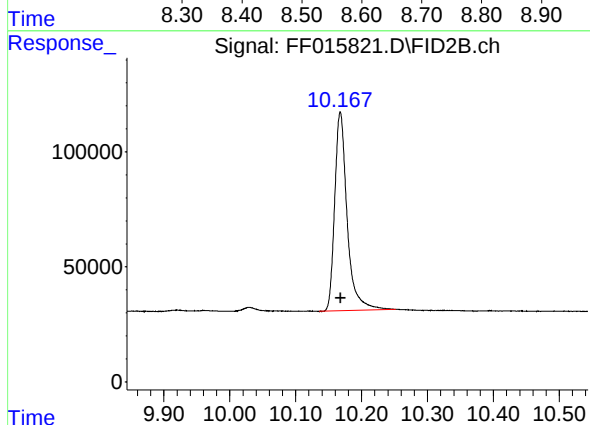
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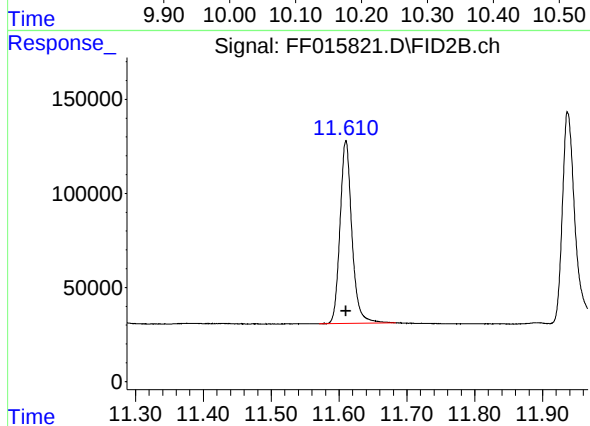
#6 n-Tetradecane (C14)

R.T.: 8.560 min
Delta R.T.: 0.000 min
Response: 1153925
Conc: 10.33 ug/ml



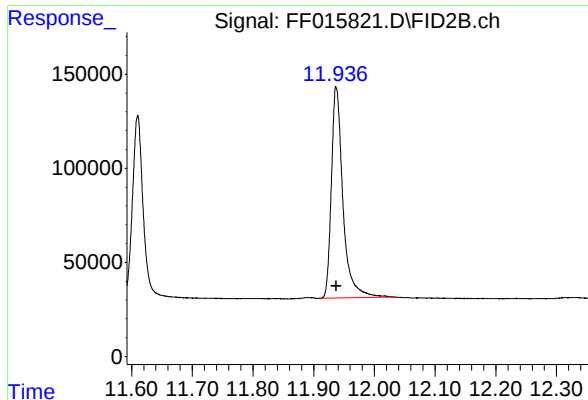
#7 n-Hexadecane (C16)

R.T.: 10.168 min
Delta R.T.: 0.000 min
Response: 1135257
Conc: 10.16 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.610 min
Delta R.T.: 0.000 min
Response: 1182370
Conc: 10.31 ug/ml



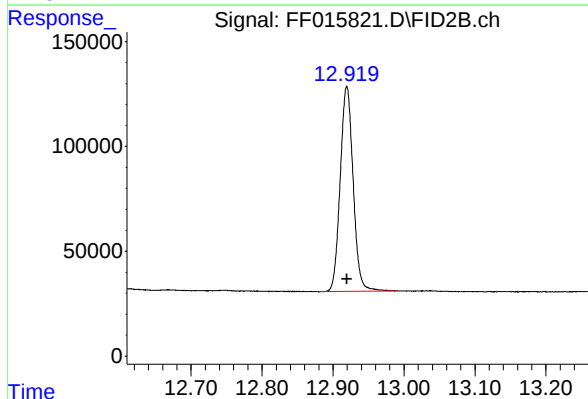
#9 ortho-Terphenyl (SURR)

R.T.: 11.938 min
Delta R.T.: 0.000 min
Response: 1490407
Conc: 10.40 ug/ml

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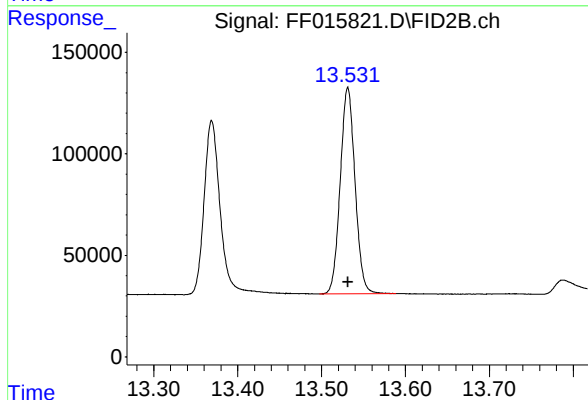
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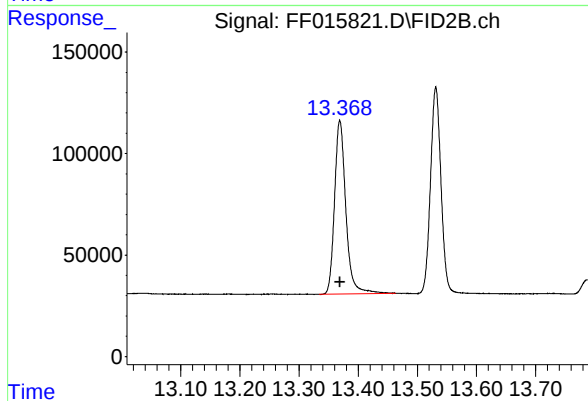
#10 n-Eicosane (C20)

R.T.: 12.919 min
Delta R.T.: 0.000 min
Response: 1236738
Conc: 10.56 ug/ml



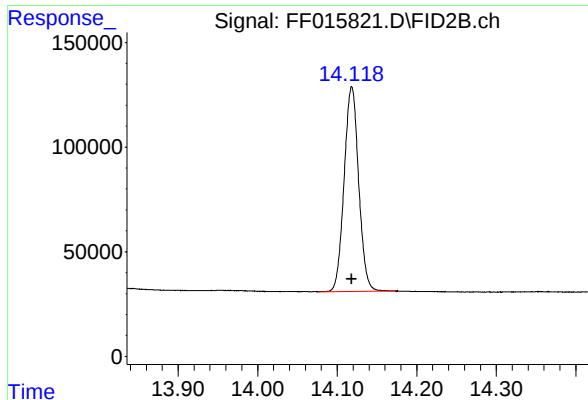
#11 n-Heneicosane (C21)

R.T.: 13.531 min
Delta R.T.: 0.000 min
Response: 1246765
Conc: 10.59 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.369 min
Delta R.T.: 0.000 min
Response: 1136664
Conc: 10.40 ug/ml



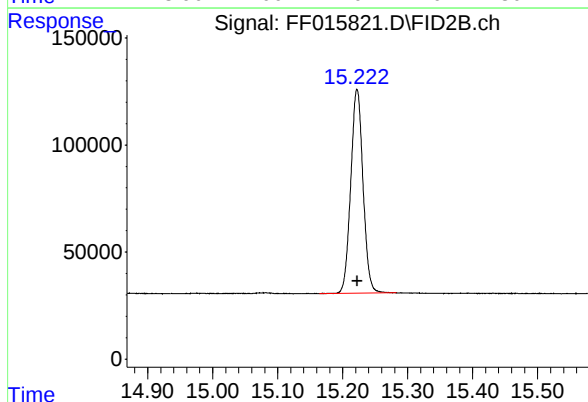
#13 n-Docosane (C22)

R.T.: 14.118 min
Delta R.T.: 0.000 min
Response: 1243676
Conc: 10.59 ug/ml

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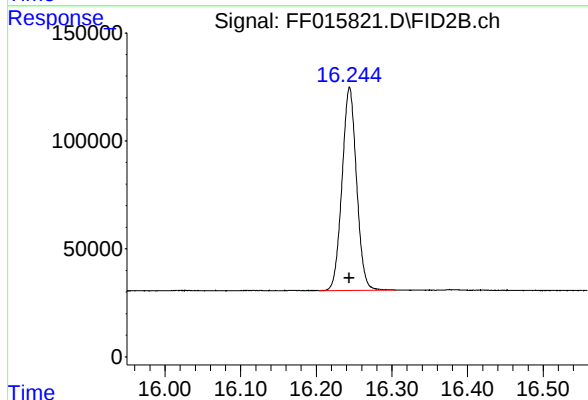
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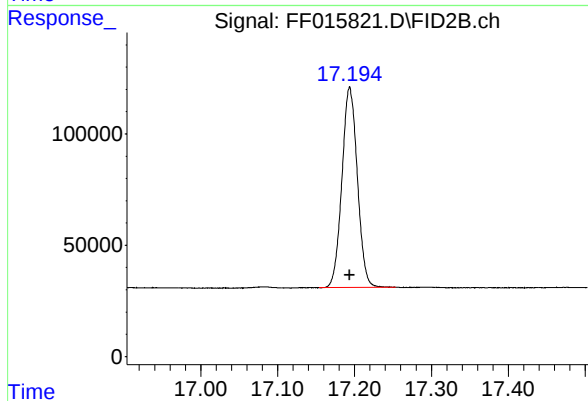
#14 n-Tetracosane (C24)

R.T.: 15.222 min
Delta R.T.: 0.000 min
Response: 1250352
Conc: 10.60 ug/ml



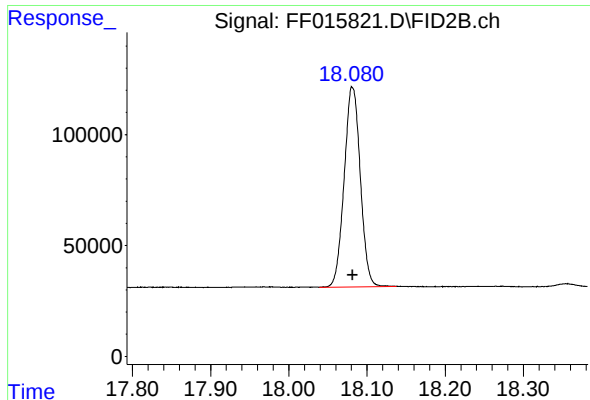
#15 n-Hexacosane (C26)

R.T.: 16.244 min
Delta R.T.: 0.000 min
Response: 1254527
Conc: 10.65 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.194 min
Delta R.T.: 0.000 min
Response: 1253271
Conc: 10.71 ug/ml



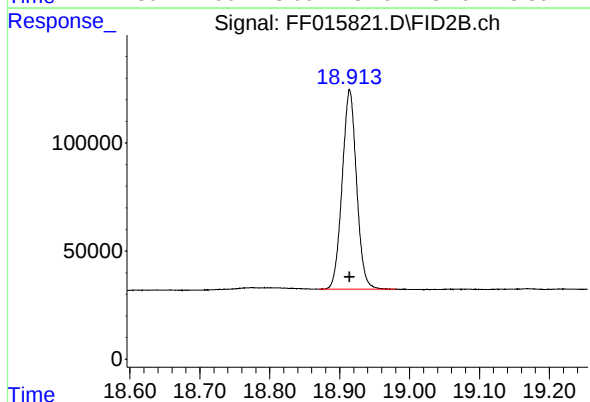
#17 n-Tricontane (C30)

R.T.: 18.082 min
Delta R.T.: 0.000 min
Response: 1292702
Conc: 10.88 ug/ml

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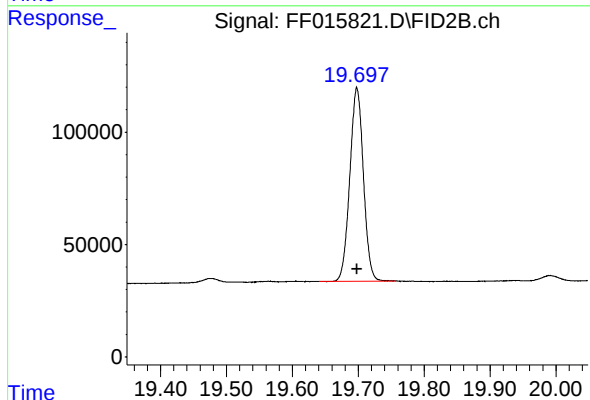
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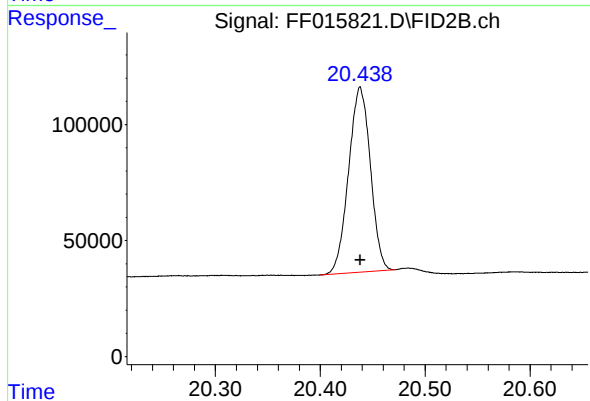
#18 n-Dotriacontane (C32)

R.T.: 18.914 min
Delta R.T.: 0.000 min
Response: 1322853
Conc: 11.04 ug/ml



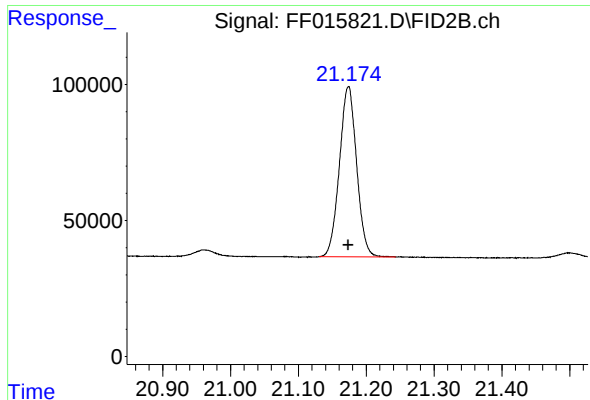
#19 n-Tetratriacontane (C34)

R.T.: 19.698 min
Delta R.T.: 0.000 min
Response: 1234818
Conc: 10.96 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.438 min
Delta R.T.: 0.000 min
Response: 1151510
Conc: 10.69 ug/ml



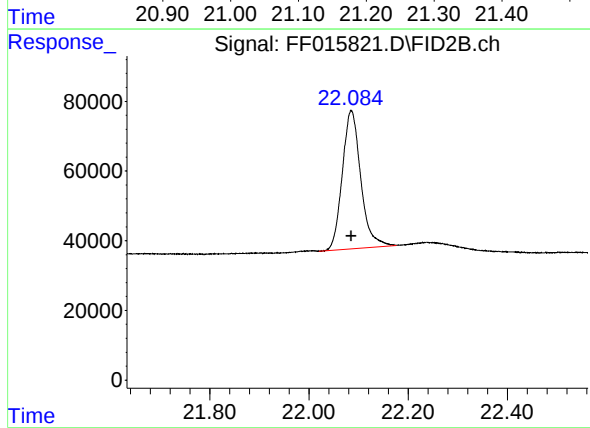
#21 n-Octatriacontane (C38)

R.T.: 21.174 min
Delta R.T.: 0.000 min
Response: 1102763
Conc: 10.78 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.085 min
Delta R.T.: 0.000 min
Response: 1023035
Conc: 10.49 ug/ml