

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020325AL\
 Data File : FF015430.D
 Signal(s) : FID2B.ch
 Acq On : 03 Feb 2025 10:59
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/04/2025
 Supervised By :Ankita Jodhani 02/04/2025

Integration File: autoint1.e
 Quant Time: Feb 03 11:45:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 011425.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 14 15:33:37 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)	11.935	3265486	20.539 ug/ml
Spiked Amount 50.000		Recovery =	41.08%
12) S 1-chlorooctadecane (S...	13.373	2211706	17.741 ug/ml
Spiked Amount 50.000		Recovery =	35.48%
Target Compounds			
1) T n-Nonane (C9)	3.313	2809446	21.402 ug/ml
2) T n-Decane (C10)	4.568	2919885	21.829 ug/ml
3) T A~Naphthalene (C11.7)	6.273	3124886	21.486 ug/ml
4) T n-Dodecane (C12)	6.735	2985068	22.137 ug/ml
5) T A~2-methylnaphthalene...	7.369	3005787	21.361 ug/ml
6) T n-Tetradecane (C14)	8.562	2991461	22.141 ug/ml
7) T n-Hexadecane (C16)	10.170	3101723	21.890 ug/ml
8) T n-Octadecane (C18)	11.616	3156252	21.552 ug/ml
10) T n-Eicosane (C20)	12.926	2955033	20.496 ug/ml
11) T n-Heneicosane (C21)	13.540	2873621	20.131 ug/ml
13) T n-Docosane (C22)	14.127	2844187	19.843 ug/ml
14) T n-Tetracosane (C24)	15.232	2761458	19.036 ug/ml
15) T n-Hexacosane (C26)	16.256	2651854	18.661 ug/ml
16) T n-Octacosane (C28)	17.207	2651800	19.057 ug/ml
17) T n-Tricontane (C30)	18.096	2804355	20.136 ug/ml
18) T n-Dotriacontane (C32)	18.931	2764215	21.193 ug/ml
19) T n-Tetratriacontane (C34)	19.716	2230076	20.514 ug/ml
20) T n-Hexatriacontane (C36)	20.459	1689522	19.209 ug/ml
21) T n-Octatriacontane (C38)	21.200	1478343	17.939 ug/ml
22) T n-Tetracontane (C40)	22.119	1193203	15.039 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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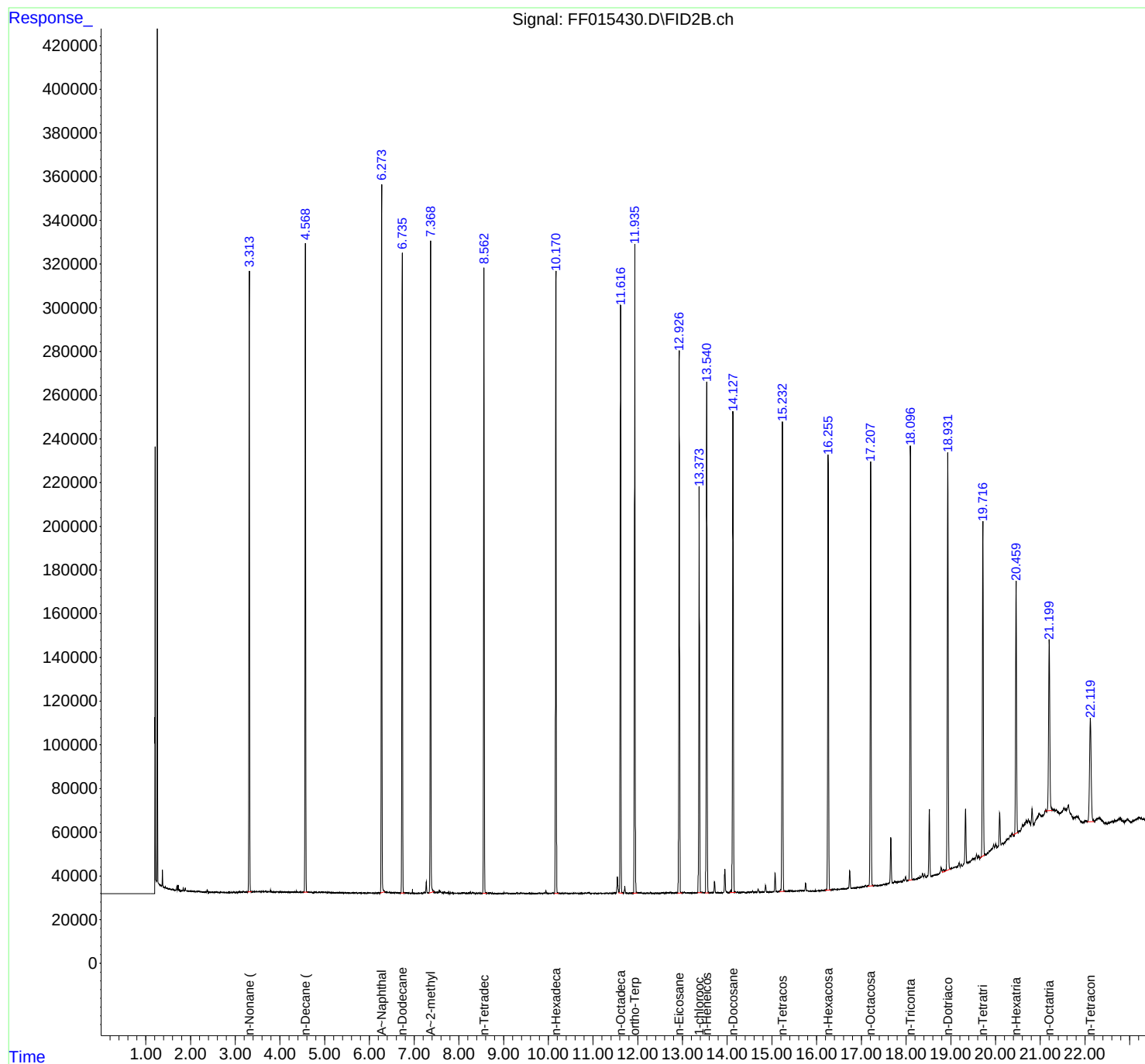
Instrument :
FID_F
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20 PPM ALIPHATIC HC STD

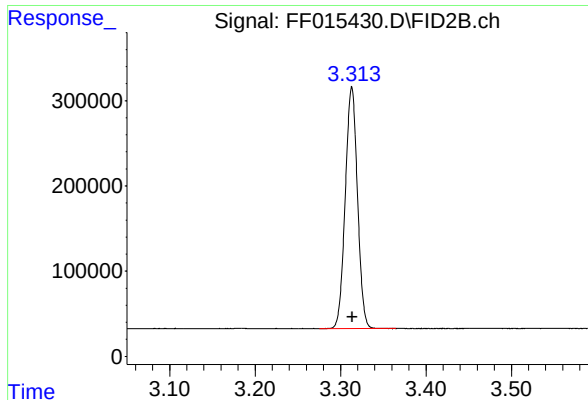
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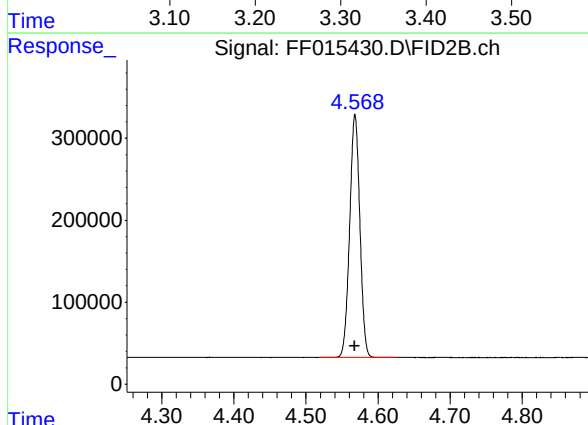
#1 n-Nonane (C9)

R.T.: 3.313 min
Delta R.T.: 0.000 min
Response: 2809446
Conc: 21.40 ug/ml

Instrument : FID_F
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20 PPM ALIPHATIC HC STD

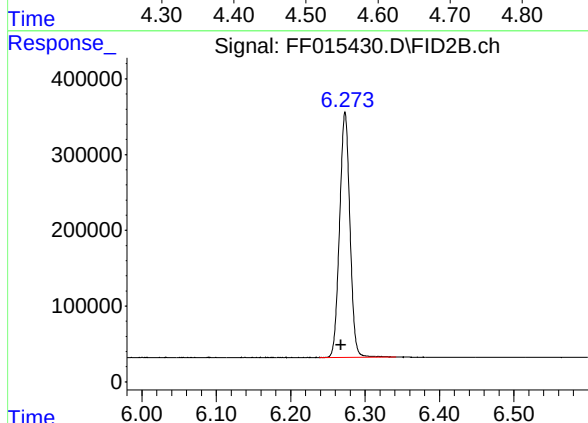
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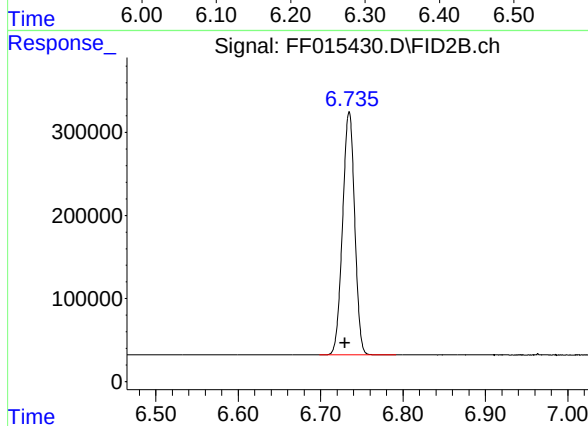
#2 n-Decane (C10)

R.T.: 4.568 min
Delta R.T.: 0.000 min
Response: 2919885
Conc: 21.83 ug/ml



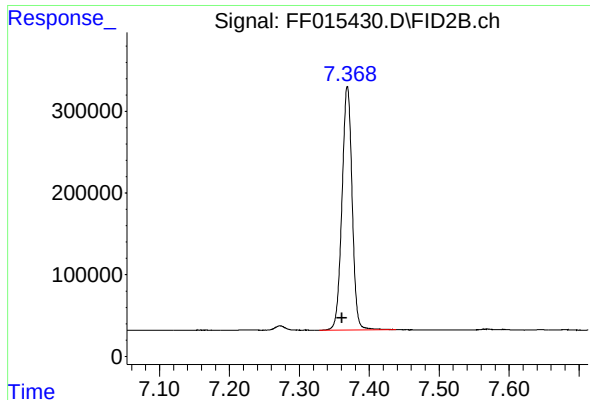
#3 A~Naphthalene (C11.7)

R.T.: 6.273 min
Delta R.T.: 0.006 min
Response: 3124886
Conc: 21.49 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.735 min
Delta R.T.: 0.005 min
Response: 2985068
Conc: 22.14 ug/ml



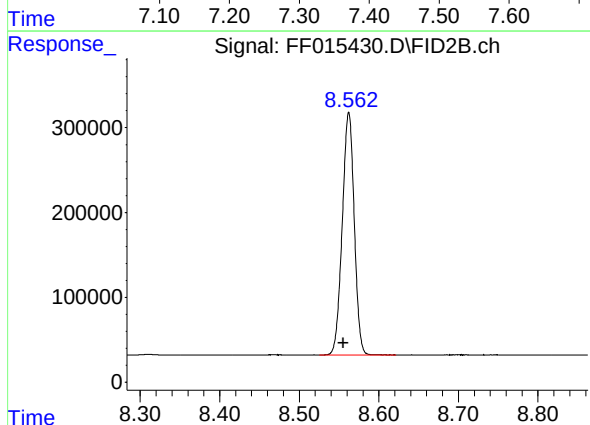
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.369 min
Delta R.T.: 0.008 min
Response: 3005787
Conc: 21.36 ug/ml

Instrument : FID_F
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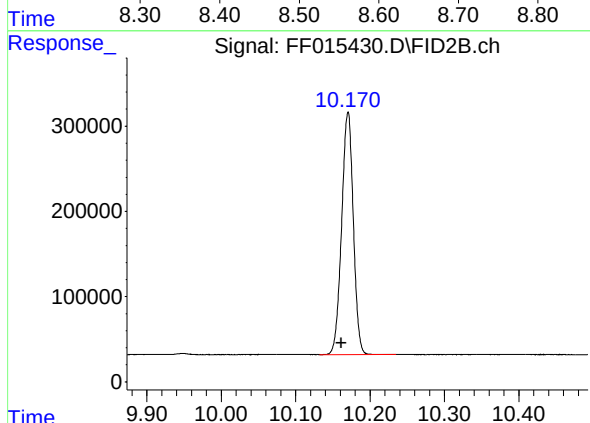
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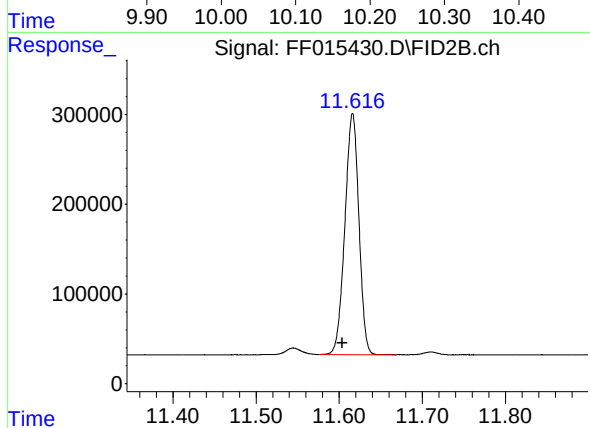
#6 n-Tetradecane (C14)

R.T.: 8.562 min
Delta R.T.: 0.007 min
Response: 2991461
Conc: 22.14 ug/ml



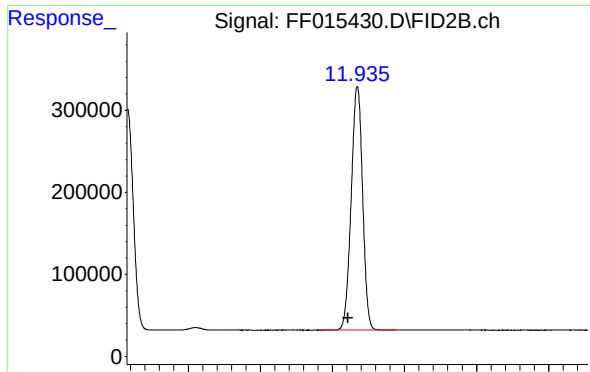
#7 n-Hexadecane (C16)

R.T.: 10.170 min
Delta R.T.: 0.009 min
Response: 3101723
Conc: 21.89 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.616 min
Delta R.T.: 0.012 min
Response: 3156252
Conc: 21.55 ug/ml



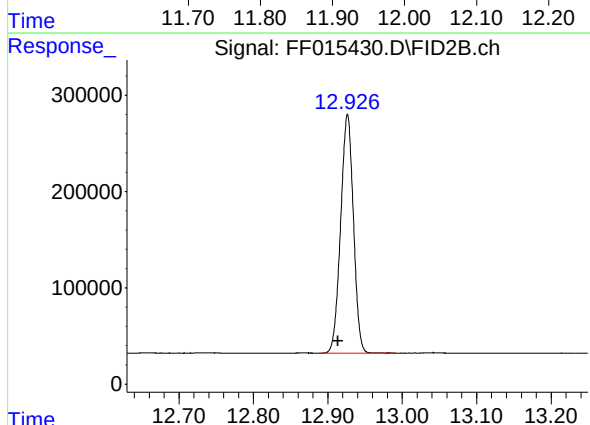
#9 ortho-Terphenyl (SURR)

R.T.: 11.935 min
Delta R.T.: 0.013 min
Response: 3265486
Conc: 20.54 ug/ml

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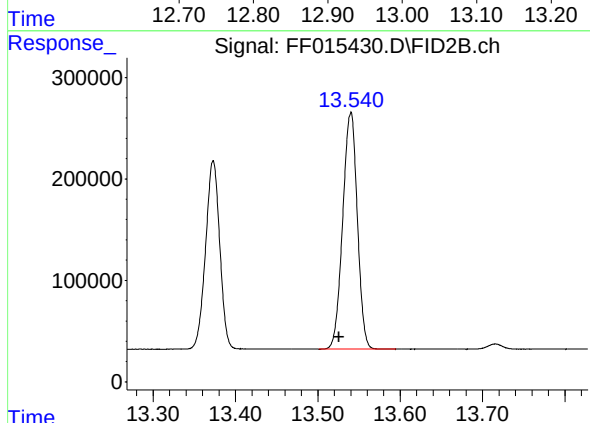
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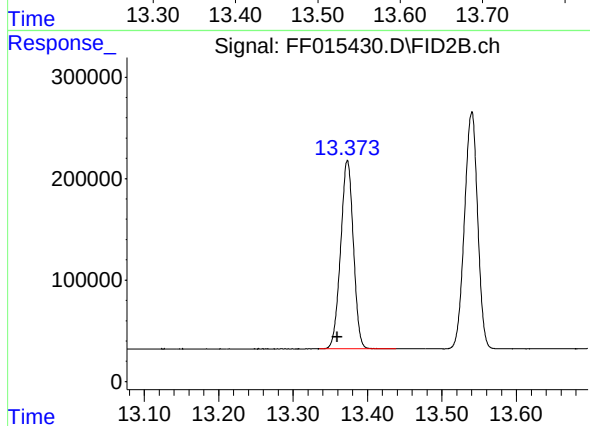
#10 n-Eicosane (C20)

R.T.: 12.926 min
Delta R.T.: 0.013 min
Response: 2955033
Conc: 20.50 ug/ml



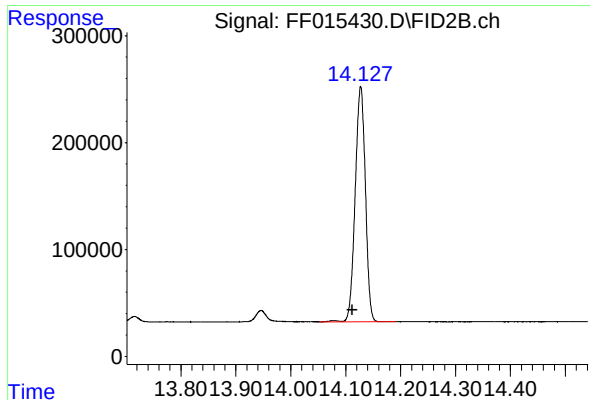
#11 n-Heneicosane (C21)

R.T.: 13.540 min
Delta R.T.: 0.014 min
Response: 2873621
Conc: 20.13 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.373 min
Delta R.T.: 0.014 min
Response: 2211706
Conc: 17.74 ug/ml



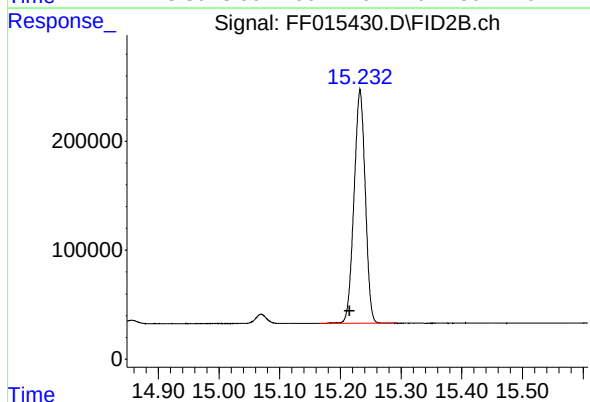
#13 n-Docosane (C22)

R.T.: 14.127 min
Delta R.T.: 0.015 min
Response: 2844187
Conc: 19.84 ug/ml

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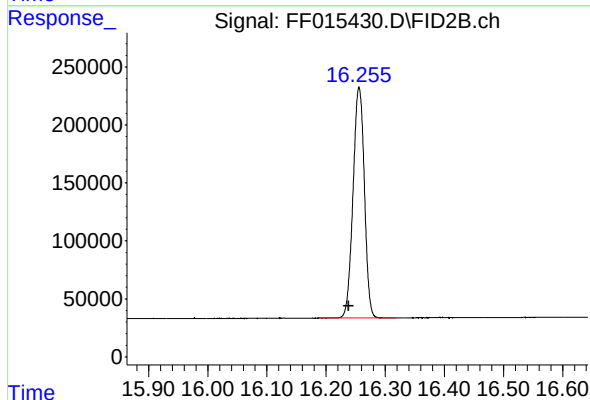
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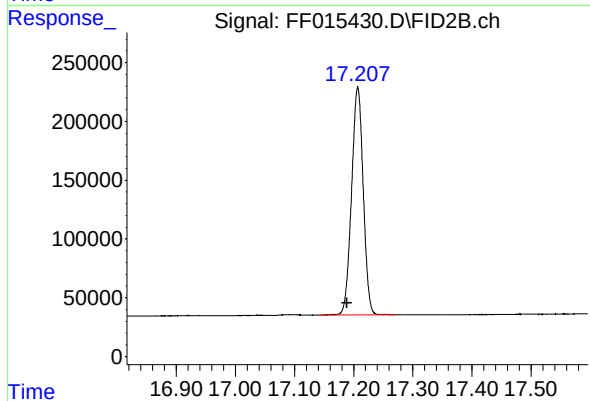
#14 n-Tetracosane (C24)

R.T.: 15.232 min
Delta R.T.: 0.017 min
Response: 2761458
Conc: 19.04 ug/ml



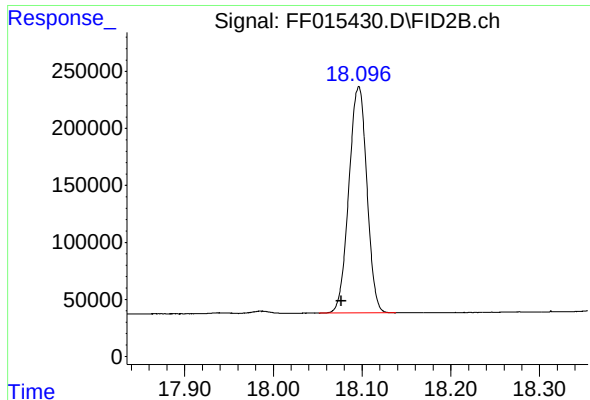
#15 n-Hexacosane (C26)

R.T.: 16.256 min
Delta R.T.: 0.018 min
Response: 2651854
Conc: 18.66 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.207 min
Delta R.T.: 0.018 min
Response: 2651800
Conc: 19.06 ug/ml



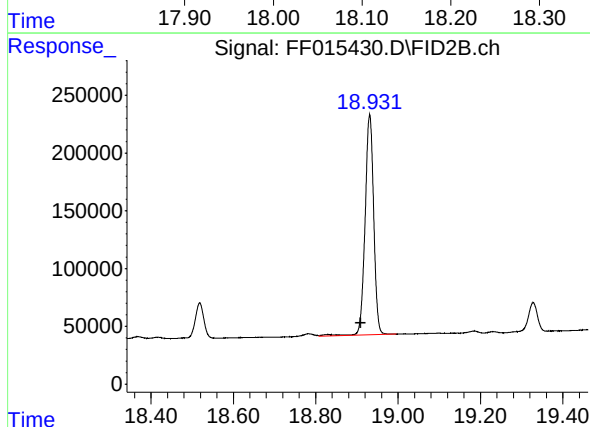
#17 n-Tricontane (C30)

R.T.: 18.096 min
Delta R.T.: 0.019 min
Response: 2804355
Conc: 20.14 ug/ml

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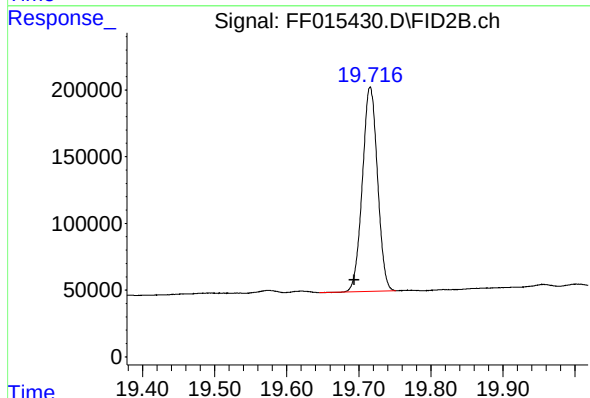
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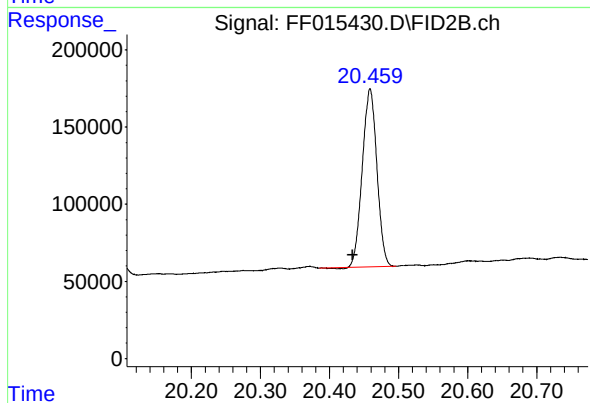
#18 n-Dotriacontane (C32)

R.T.: 18.931 min
Delta R.T.: 0.022 min
Response: 2764215
Conc: 21.19 ug/ml



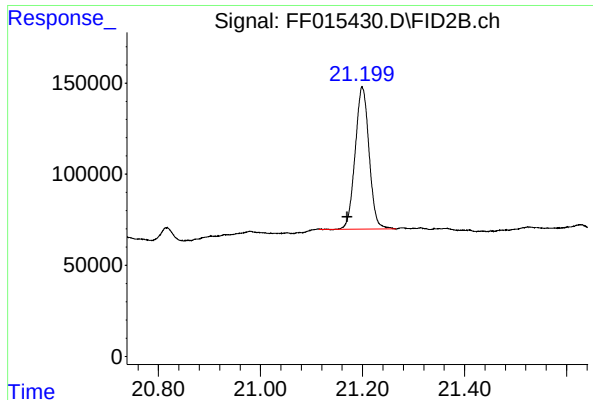
#19 n-Tetratriacontane (C34)

R.T.: 19.716 min
Delta R.T.: 0.022 min
Response: 2230076
Conc: 20.51 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.459 min
Delta R.T.: 0.025 min
Response: 1689522
Conc: 19.21 ug/ml



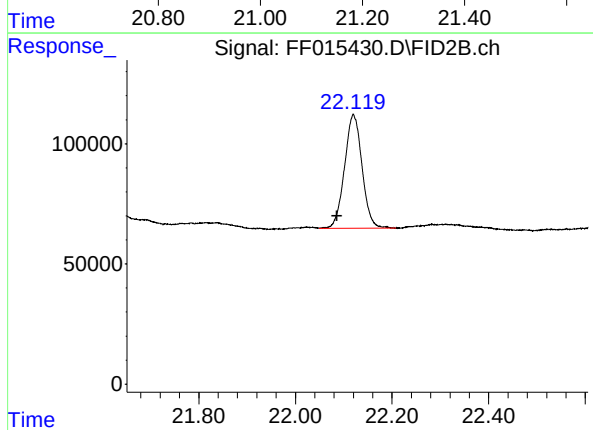
#21 n-Octatriacontane (C38)

R.T.: 21.200 min
Delta R.T.: 0.029 min
Response: 1478343
Conc: 17.94 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.119 min
Delta R.T.: 0.033 min
Response: 1193203
Conc: 15.04 ug/ml m