

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020125AL\
 Data File : FF015407.D
 Signal(s) : FID2B.ch
 Acq On : 31 Jan 2025 09:08
 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 02/03/2025
 Supervised By :Ankita Jodhani 02/03/2025

Integration File: sample.E
 Quant Time: Jan 31 23:18:52 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)	11.931	3026189	19.034 ug/ml
Spiked Amount 50.000		Recovery =	38.07%
12) S 1-chlorooctadecane (S...	13.369	2313975	18.561 ug/ml
Spiked Amount 50.000		Recovery =	37.12%
Target Compounds			
1) T n-Nonane (C9)	3.314	2587959	19.715 ug/ml
2) T n-Decane (C10)	4.569	2661317	19.896 ug/ml
3) T A~Naphthalene (C11.7)	6.271	2885608	19.840 ug/ml
4) T n-Dodecane (C12)	6.733	2722585	20.190 ug/ml
5) T A~2-methylnaphthalene...	7.366	2791924	19.841 ug/ml
6) T n-Tetradecane (C14)	8.560	2739284	20.274 ug/ml
7) T n-Hexadecane (C16)	10.168	2852168	20.129 ug/ml
8) T n-Octadecane (C18)	11.612	2878593	19.656 ug/mlm
10) T n-Eicosane (C20)	12.923	2747989	19.059 ug/ml
11) T n-Heneicosane (C21)	13.536	2681438	18.785 ug/ml
13) T n-Docosane (C22)	14.123	2644311	18.448 ug/mlm
14) T n-Tetracosane (C24)	15.229	2587963	17.840 ug/ml
15) T n-Hexacosane (C26)	16.251	2490167	17.523 ug/ml
16) T n-Octacosane (C28)	17.203	2478917	17.815 ug/ml
17) T n-Tricontane (C30)	18.092	2608023	18.726 ug/ml
18) T n-Dotriacontane (C32)	18.924	2561017	19.635 ug/mlm
19) T n-Tetratriacontane (C34)	19.708	2217965	20.403 ug/mlm
20) T n-Hexatriacontane (C36)	20.450	1874020	21.307 ug/mlm
21) T n-Octatriacontane (C38)	21.191	1756975	21.320 ug/mlm
22) T n-Tetracontane (C40)	22.107	1750882	22.068 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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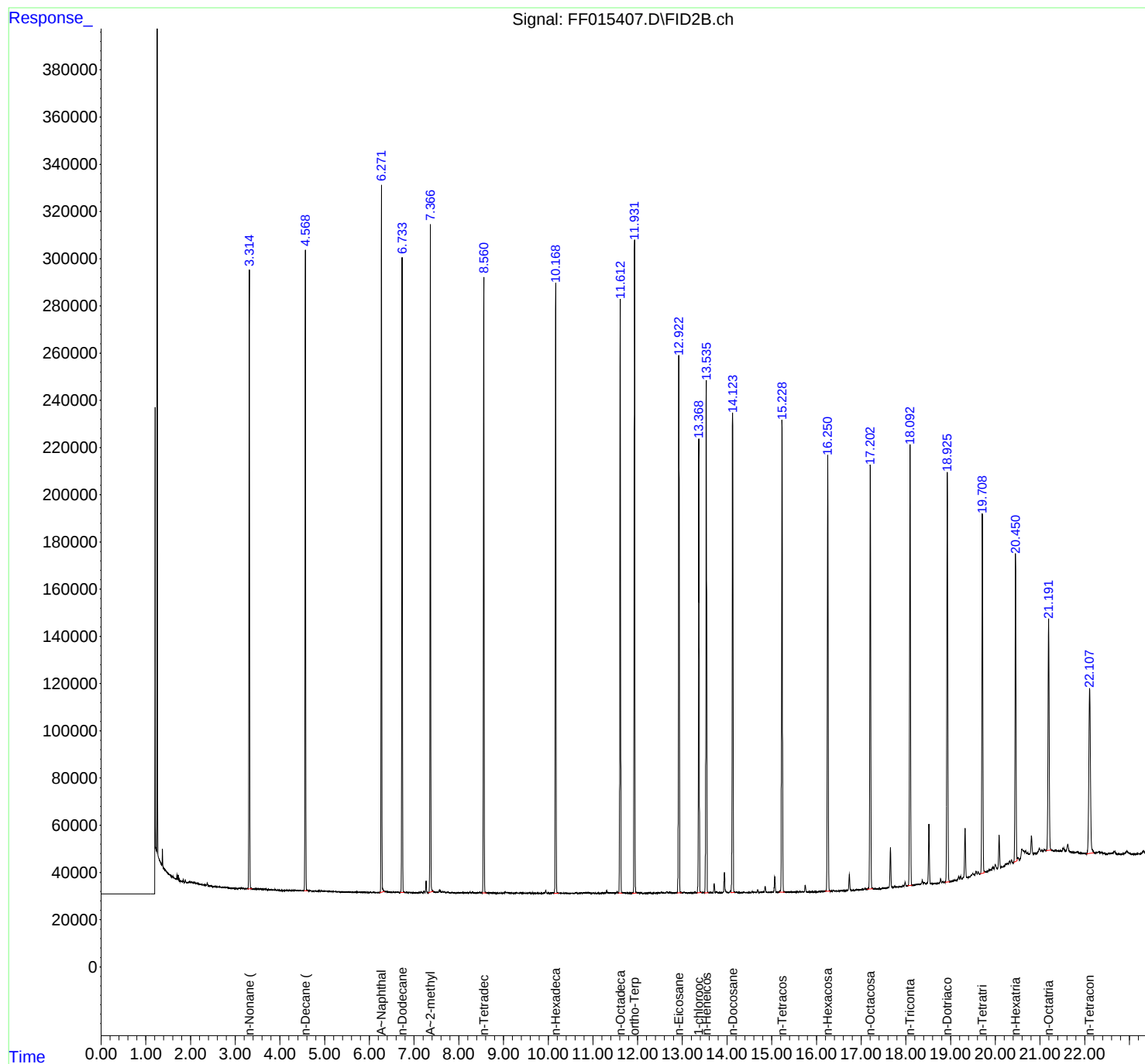
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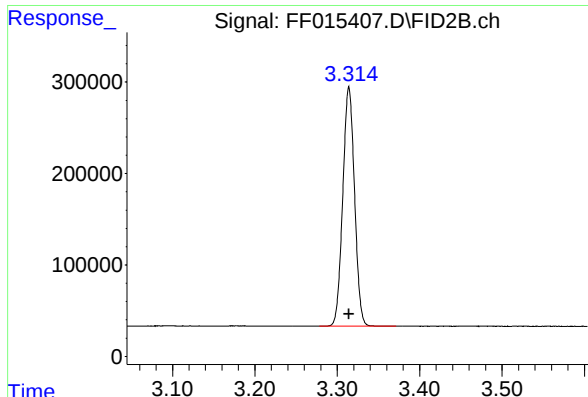
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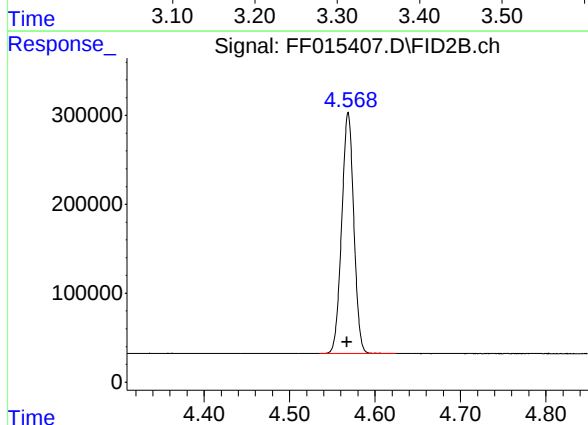
#1 n-Nonane (C9)

R.T.: 3.314 min
Delta R.T.: 0.000 min
Response: 2587959
Conc: 19.71 ug/ml

Instrument : FID_F
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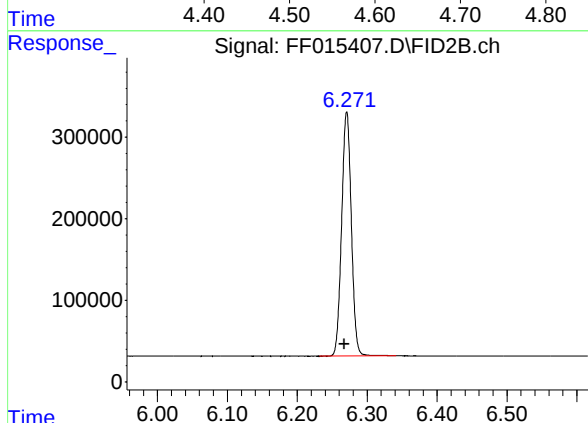
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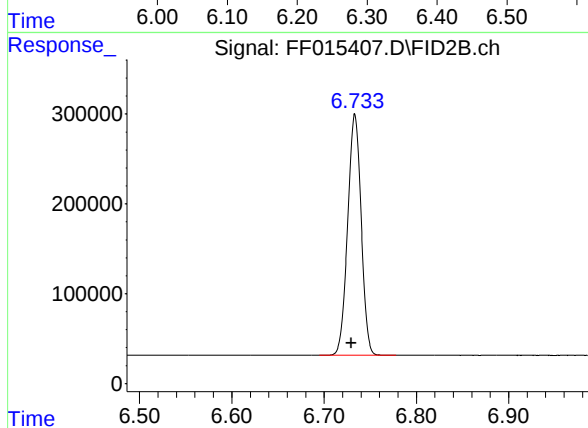
#2 n-Decane (C10)

R.T.: 4.569 min
Delta R.T.: 0.001 min
Response: 2661317
Conc: 19.90 ug/ml



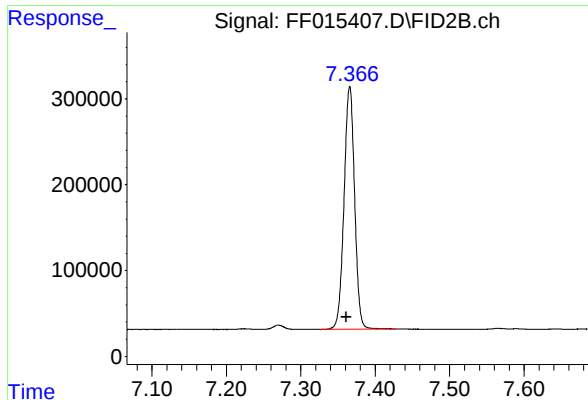
#3 A~Naphthalene (C11.7)

R.T.: 6.271 min
Delta R.T.: 0.003 min
Response: 2885608
Conc: 19.84 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.733 min
Delta R.T.: 0.004 min
Response: 2722585
Conc: 20.19 ug/ml



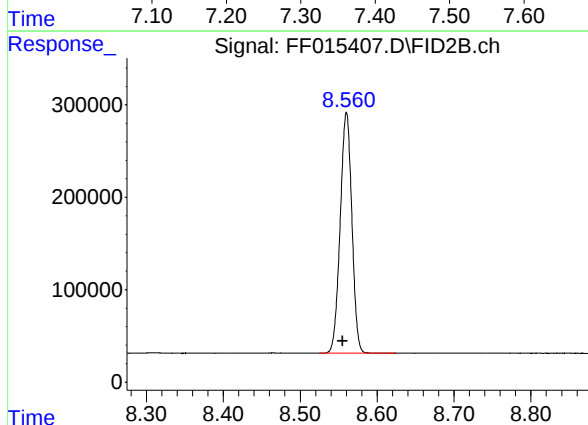
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.366 min
Delta R.T.: 0.004 min
Response: 2791924
Conc: 19.84 ug/ml

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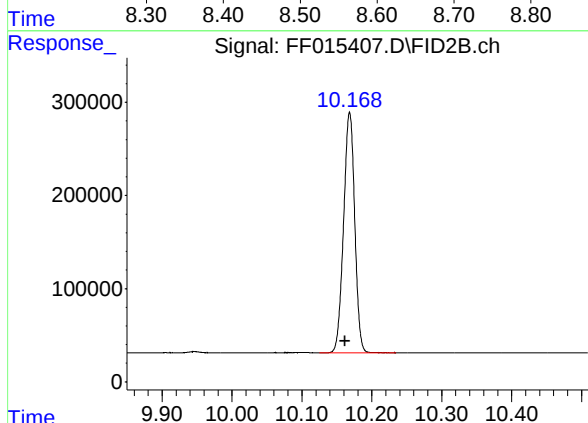
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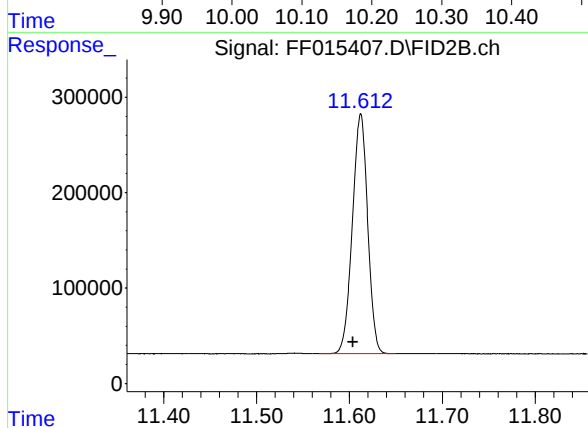
#6 n-Tetradecane (C14)

R.T.: 8.560 min
Delta R.T.: 0.005 min
Response: 2739284
Conc: 20.27 ug/ml



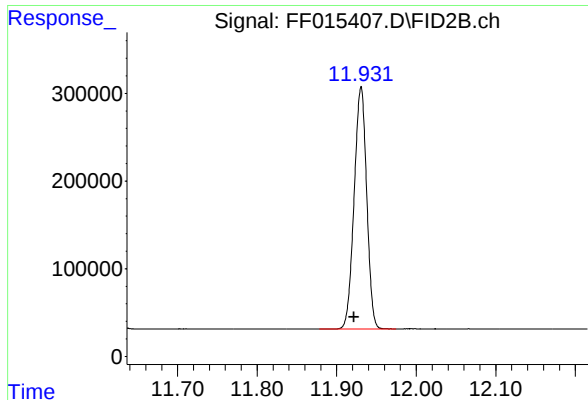
#7 n-Hexadecane (C16)

R.T.: 10.168 min
Delta R.T.: 0.007 min
Response: 2852168
Conc: 20.13 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.612 min
Delta R.T.: 0.008 min
Response: 2878593
Conc: 19.66 ug/ml m



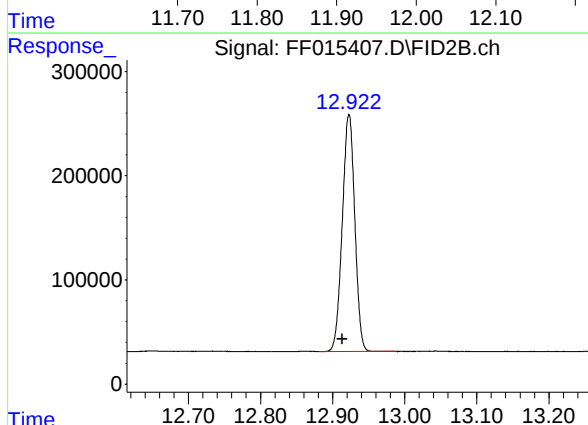
#9 ortho-Terphenyl (SURR)

R.T.: 11.931 min
Delta R.T.: 0.009 min
Response: 3026189
Conc: 19.03 ug/ml

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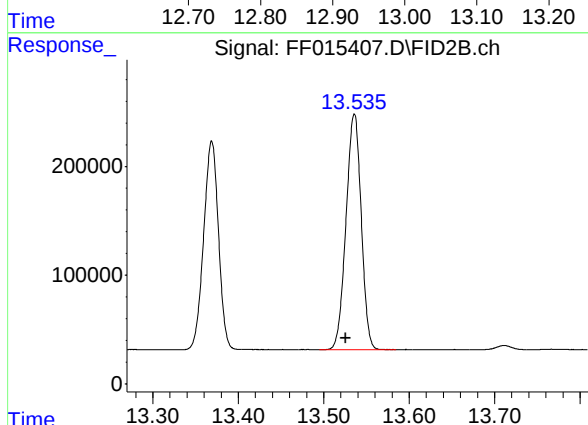
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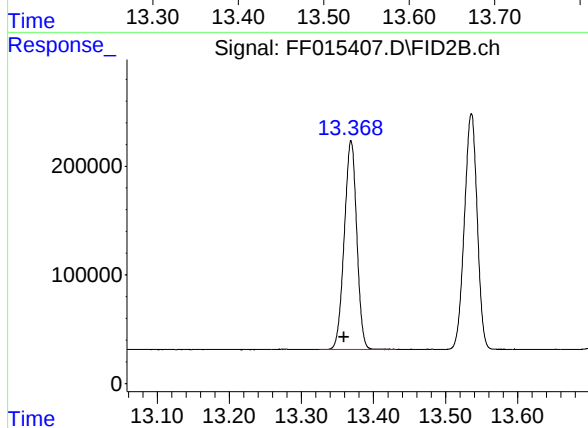
#10 n-Eicosane (C20)

R.T.: 12.923 min
Delta R.T.: 0.009 min
Response: 2747989
Conc: 19.06 ug/ml



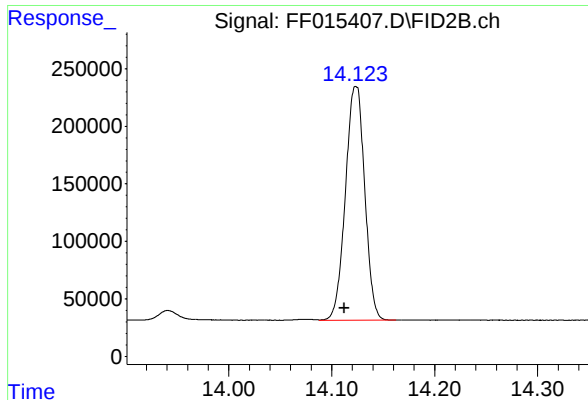
#11 n-Heneicosane (C21)

R.T.: 13.536 min
Delta R.T.: 0.010 min
Response: 2681438
Conc: 18.78 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.369 min
Delta R.T.: 0.010 min
Response: 2313975
Conc: 18.56 ug/ml



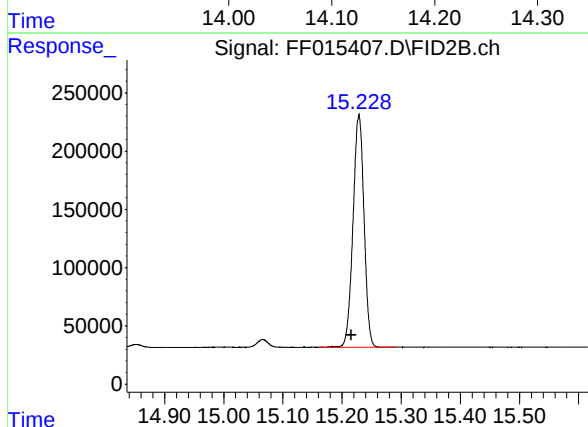
#13 n-Docosane (C22)

R.T.: 14.123 min
Delta R.T.: 0.010 min
Response: 2644311
Conc: 18.45 ug/ml

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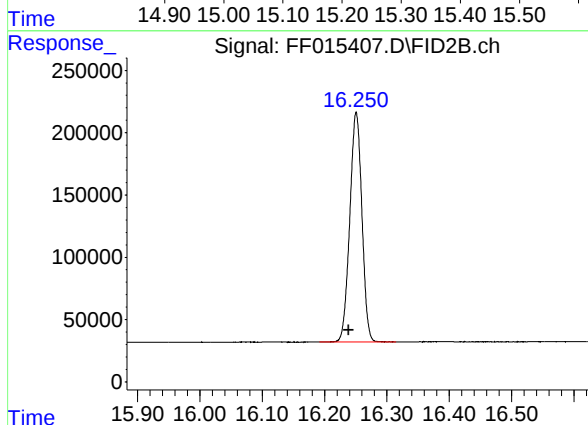
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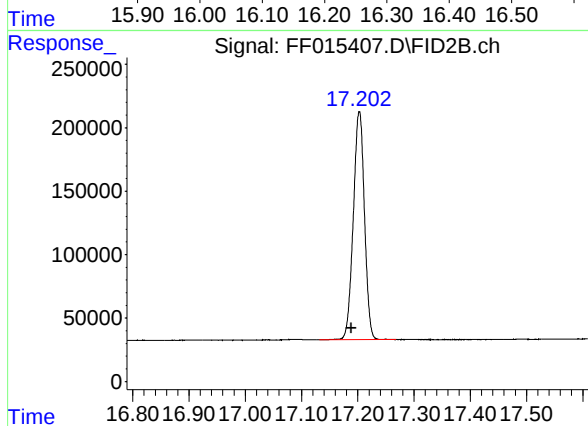
#14 n-Tetracosane (C24)

R.T.: 15.229 min
Delta R.T.: 0.013 min
Response: 2587963
Conc: 17.84 ug/ml



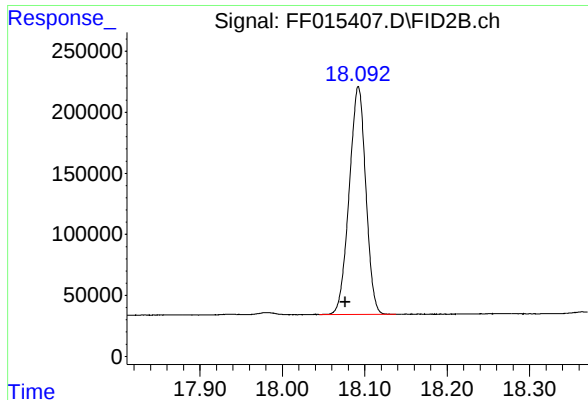
#15 n-Hexacosane (C26)

R.T.: 16.251 min
Delta R.T.: 0.013 min
Response: 2490167
Conc: 17.52 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.203 min
Delta R.T.: 0.014 min
Response: 2478917
Conc: 17.81 ug/ml



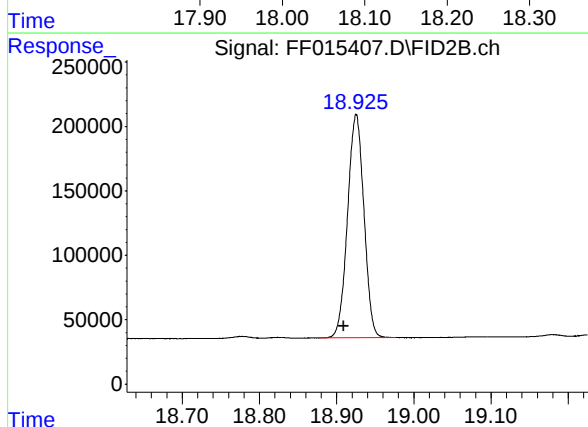
#17 n-Tricontane (C30)

R.T.: 18.092 min
Delta R.T.: 0.016 min
Response: 2608023
Conc: 18.73 ug/ml

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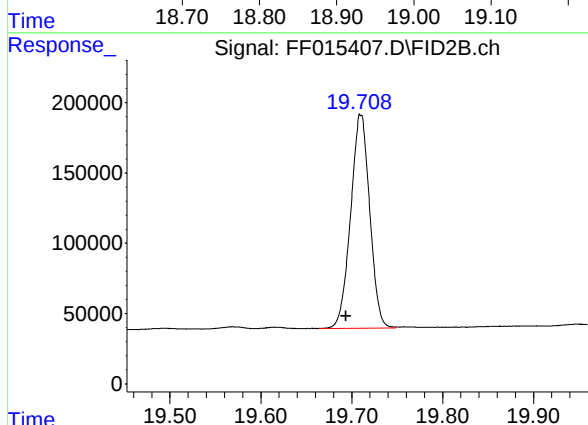
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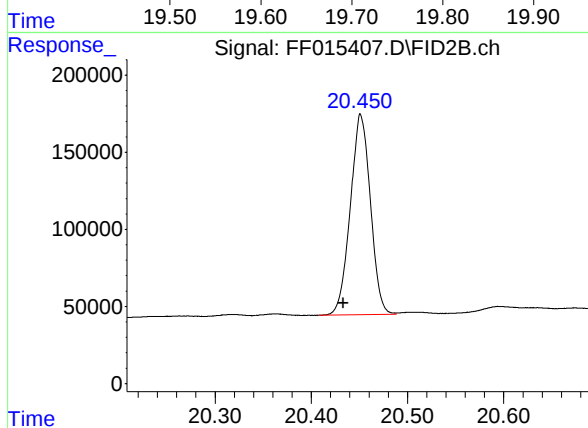
#18 n-Dotriacontane (C32)

R.T.: 18.924 min
Delta R.T.: 0.015 min
Response: 2561017
Conc: 19.63 ug/ml m



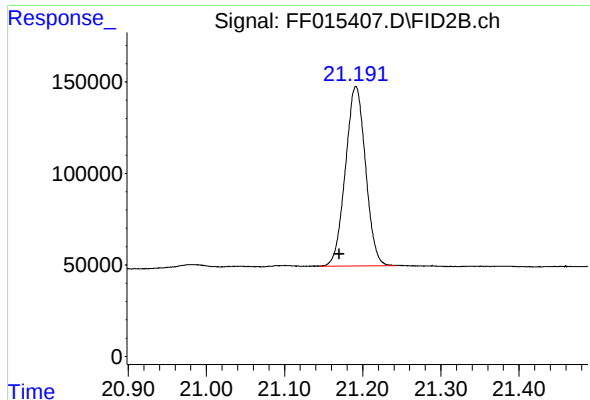
#19 n-Tetratriacontane (C34)

R.T.: 19.708 min
Delta R.T.: 0.015 min
Response: 2217965
Conc: 20.40 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.450 min
Delta R.T.: 0.017 min
Response: 1874020
Conc: 21.31 ug/ml m



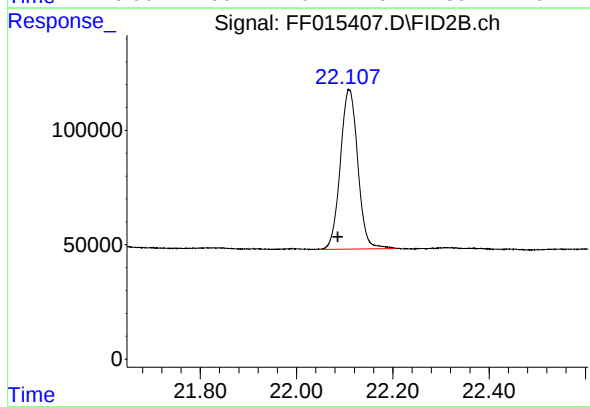
#21 n-Octatriacontane (C38)

R.T.: 21.191 min
Delta R.T.: 0.021 min
Response: 1756975
Conc: 21.32 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.107 min
Delta R.T.: 0.021 min
Response: 1750882
Conc: 22.07 ug/ml m