

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF090925AL\
 Data File : FF016358.D
 Signal(s) : FID2B.ch
 Acq On : 09 Sep 2025 12:35
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/10/2025
 Supervised By :mohammad ahmed 09/11/2025

Integration File: autoint1.e
 Quant Time: Sep 10 01:31:31 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 082825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 29 03:35:42 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)	11.970	3084891	21.329 ug/ml
Spiked Amount 50.000		Recovery =	42.66%
12) S 1-chlorooctadecane (S...	13.410	2355718	21.119 ug/mlm
Spiked Amount 50.000		Recovery =	42.24%
Target Compounds			
1) T n-Nonane (C9)	3.328	2504018	21.417 ug/ml
2) T n-Decane (C10)	4.589	2541834	21.460 ug/ml
3) T A~Naphthalene (C11.7)	6.298	2808661	21.505 ug/ml
4) T n-Dodecane (C12)	6.766	2585239	21.538 ug/ml
5) T A~2-methylnaphthalene...	7.397	2720306	21.366 ug/ml
6) T n-Tetradecane (C14)	8.599	2577950	21.394 ug/ml
7) T n-Hexadecane (C16)	10.207	2662653	21.321 ug/mlm
8) T n-Octadecane (C18)	11.654	2782011	21.477 ug/mlm
10) T n-Eicosane (C20)	12.966	2754775	21.544 ug/ml
11) T n-Heneicosane (C21)	13.578	2725921	21.470 ug/ml
13) T n-Docosane (C22)	14.166	2755647	21.704 ug/ml
14) T n-Tetracosane (C24)	15.271	2779174	21.726 ug/ml
15) T n-Hexacosane (C26)	16.294	2723174	21.784 ug/mlm
16) T n-Octacosane (C28)	17.247	2641069	21.555 ug/ml
17) T n-Tricontane (C30)	18.137	2640988	21.206 ug/ml
18) T n-Dotriacontane (C32)	18.971	2465530	20.456 ug/ml
19) T n-Tetratriacontane (C34)	19.758	2248000	20.615 ug/ml
20) T n-Hexatriacontane (C36)	20.501	1902212	20.381 ug/ml
21) T n-Octatriacontane (C38)	21.259	1643599	19.543 ug/ml
22) T n-Tetracontane (C40)	22.207	1482162	18.879 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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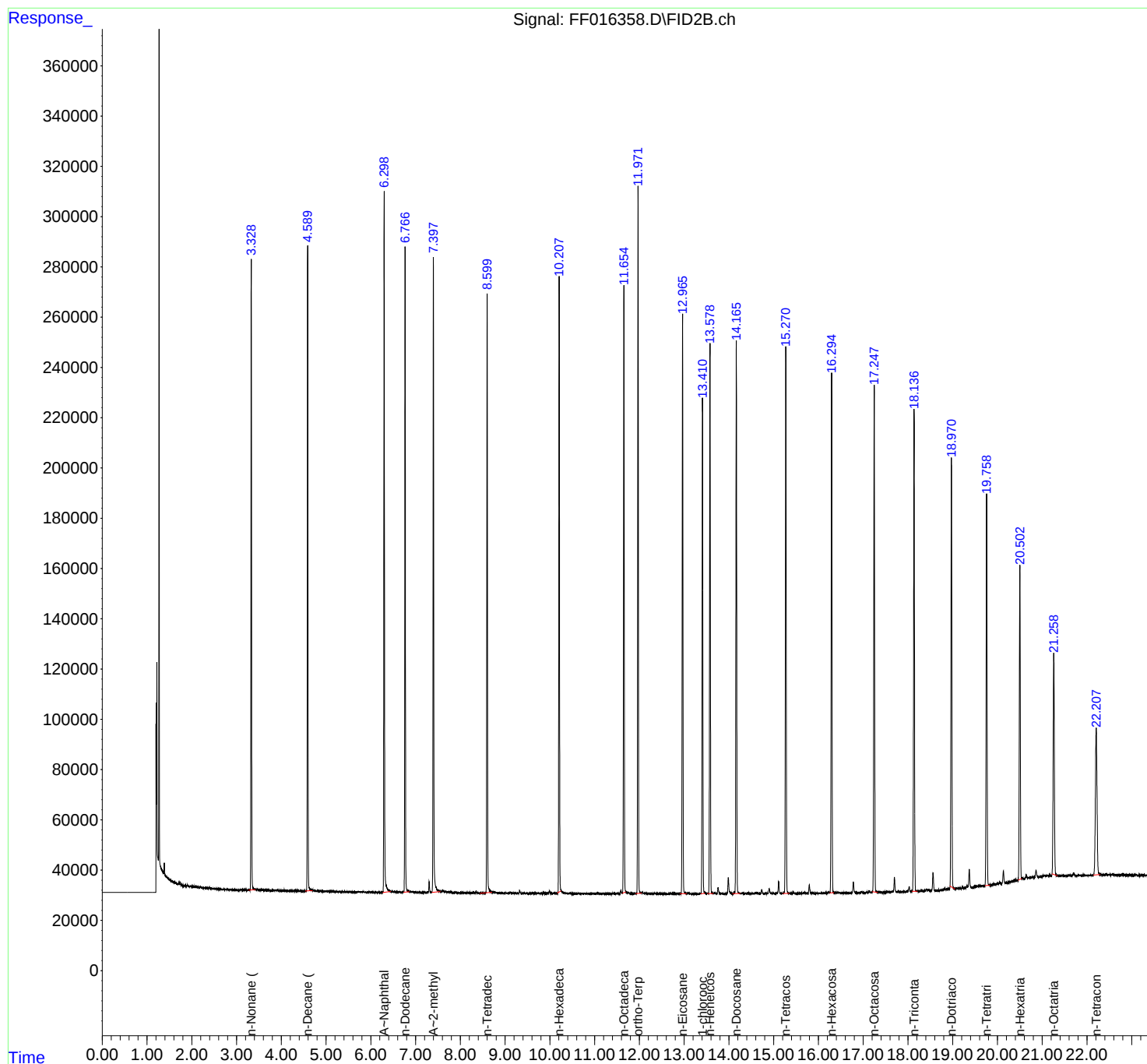
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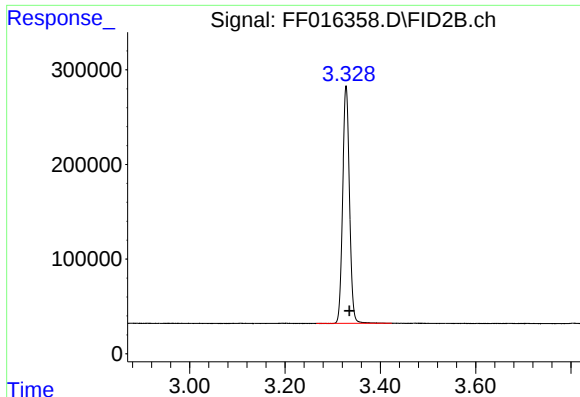
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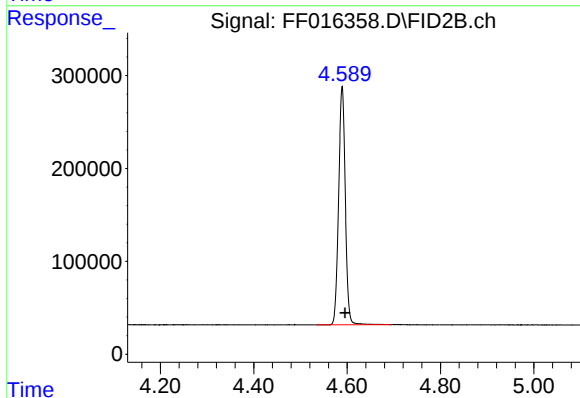
#1 n-Nonane (C9)

R.T.: 3.328 min
Delta R.T.: -0.007 min
Response: 2504018
Conc: 21.42 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

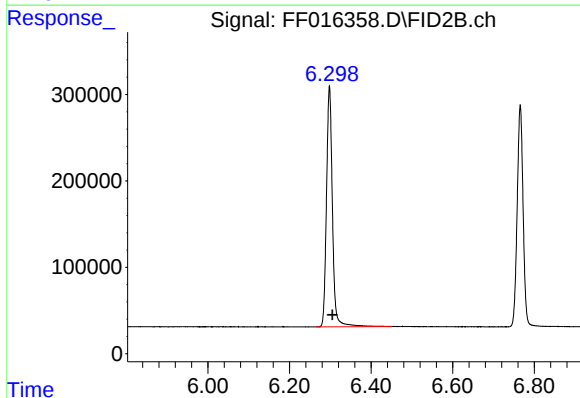
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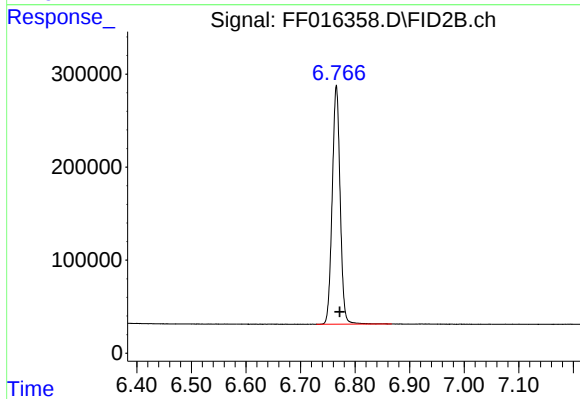
#2 n-Decane (C10)

R.T.: 4.589 min
Delta R.T.: -0.006 min
Response: 2541834
Conc: 21.46 ug/ml



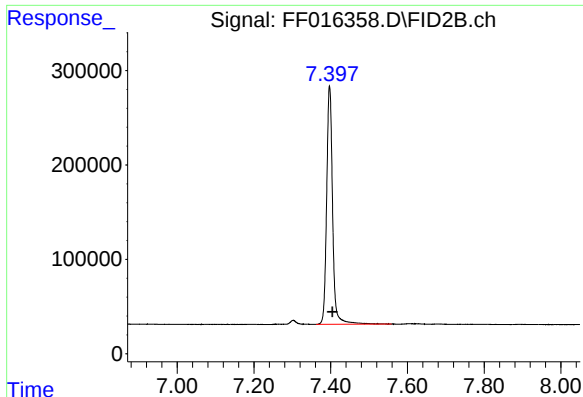
#3 A~Naphthalene (C11.7)

R.T.: 6.298 min
Delta R.T.: -0.007 min
Response: 2808661
Conc: 21.50 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.766 min
Delta R.T.: -0.006 min
Response: 2585239
Conc: 21.54 ug/ml



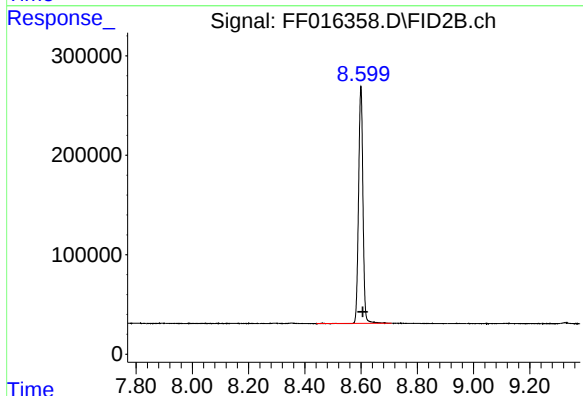
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.397 min
Delta R.T.: -0.008 min
Response: 2720306
Conc: 21.37 ug/ml

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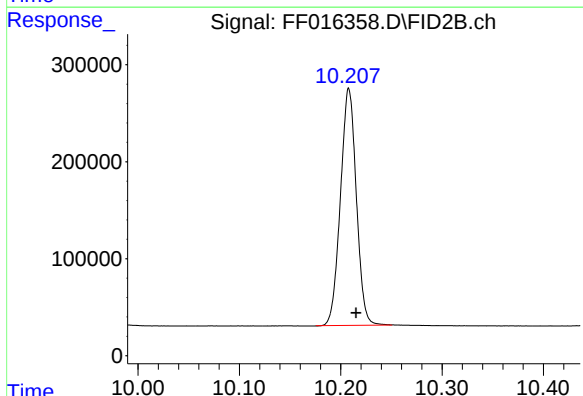
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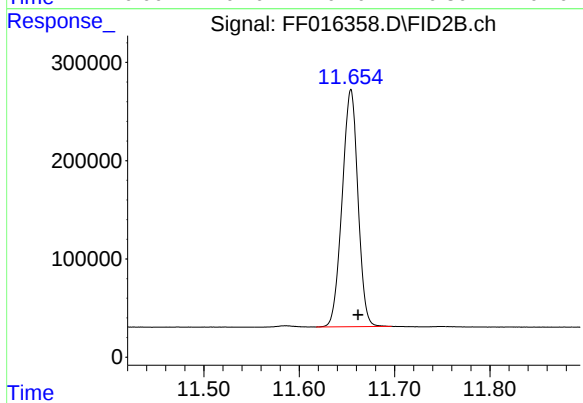
#6 n-Tetradecane (C14)

R.T.: 8.599 min
Delta R.T.: -0.007 min
Response: 2577950
Conc: 21.39 ug/ml



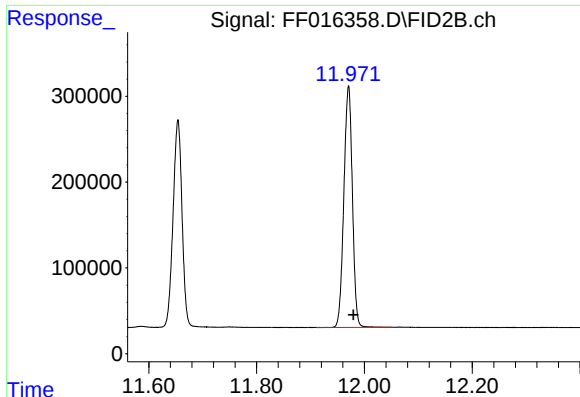
#7 n-Hexadecane (C16)

R.T.: 10.207 min
Delta R.T.: -0.008 min
Response: 2662653
Conc: 21.32 ug/ml m



#8 n-Octadecane (C18)

R.T.: 11.654 min
Delta R.T.: -0.008 min
Response: 2782011
Conc: 21.48 ug/ml m



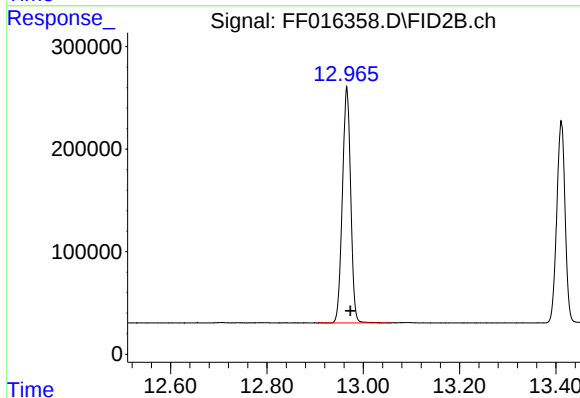
#9 ortho-Terphenyl (SURR)

R.T.: 11.970 min
Delta R.T.: -0.009 min
Response: 3084891
Conc: 21.33 ug/ml

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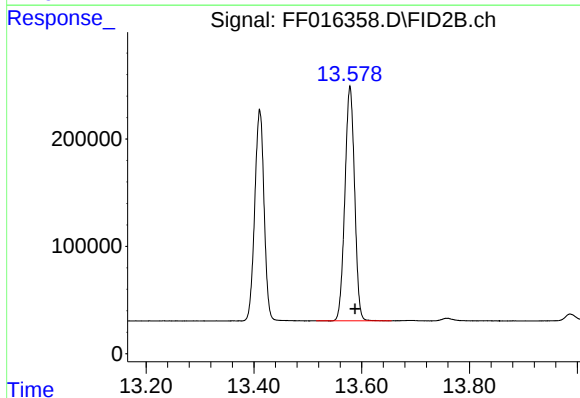
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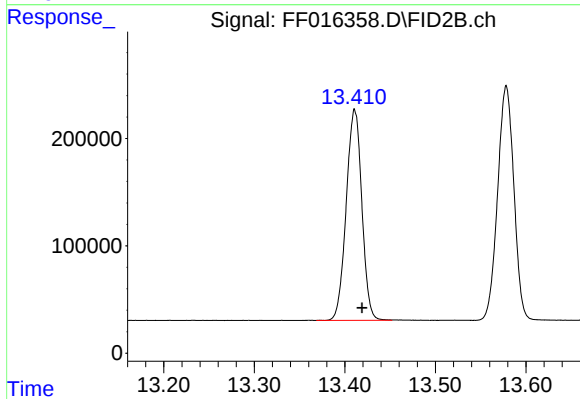
#10 n-Eicosane (C20)

R.T.: 12.966 min
Delta R.T.: -0.008 min
Response: 2754775
Conc: 21.54 ug/ml



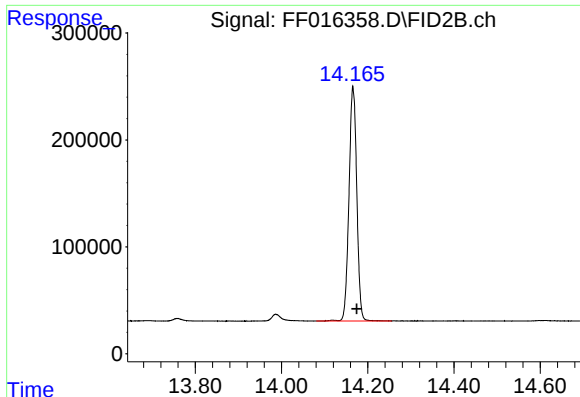
#11 n-Heneicosane (C21)

R.T.: 13.578 min
Delta R.T.: -0.009 min
Response: 2725921
Conc: 21.47 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.410 min
Delta R.T.: -0.009 min
Response: 2355718
Conc: 21.12 ug/ml m



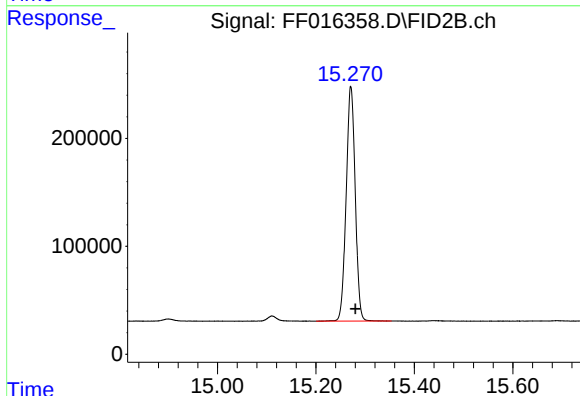
#13 n-Docosane (C22)

R.T.: 14.166 min
Delta R.T.: -0.009 min
Response: 2755647
Conc: 21.70 ug/ml

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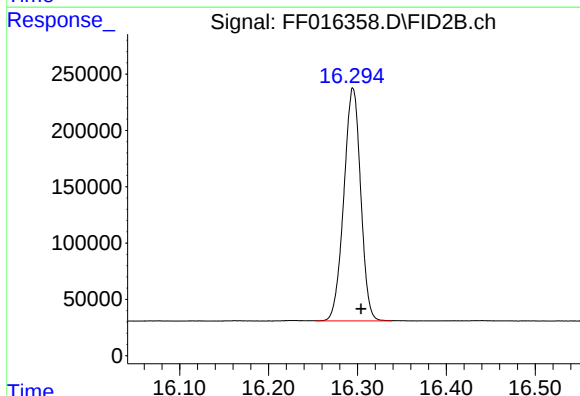
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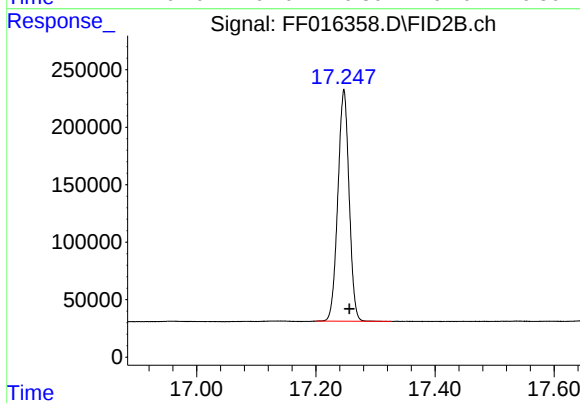
#14 n-Tetracosane (C24)

R.T.: 15.271 min
Delta R.T.: -0.009 min
Response: 2779174
Conc: 21.73 ug/ml



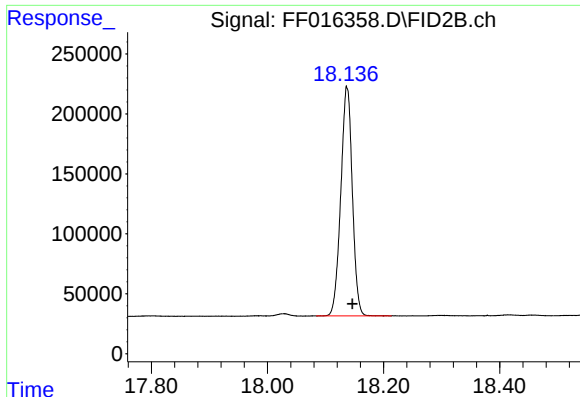
#15 n-Hexacosane (C26)

R.T.: 16.294 min
Delta R.T.: -0.010 min
Response: 2723174
Conc: 21.78 ug/ml m



#16 n-Octacosane (C28)

R.T.: 17.247 min
Delta R.T.: -0.009 min
Response: 2641069
Conc: 21.56 ug/ml



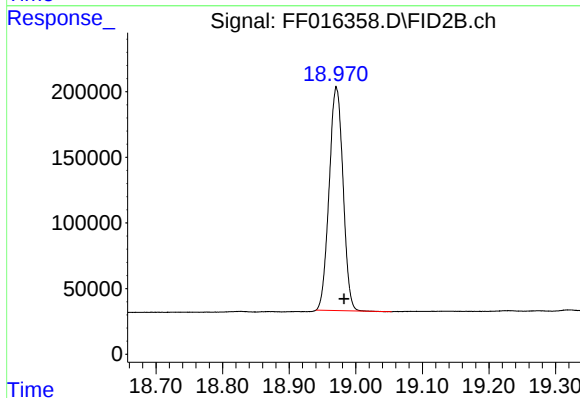
#17 n-Tricontane (C30)

R.T.: 18.137 min
Delta R.T.: -0.009 min
Response: 2640988
Conc: 21.21 ug/ml

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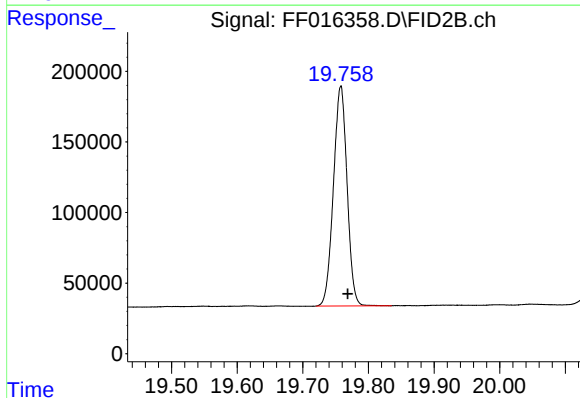
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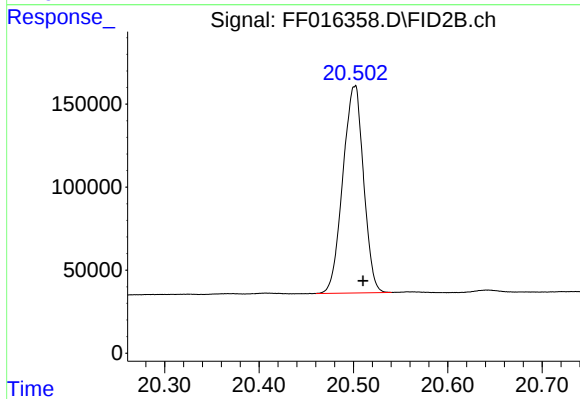
#18 n-Dotriacontane (C32)

R.T.: 18.971 min
Delta R.T.: -0.012 min
Response: 2465530
Conc: 20.46 ug/ml



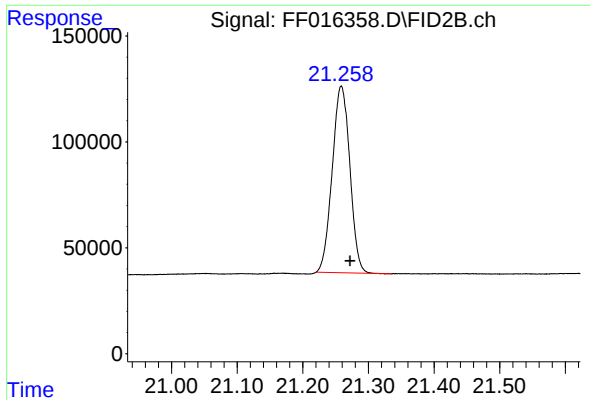
#19 n-Tetratriacontane (C34)

R.T.: 19.758 min
Delta R.T.: -0.010 min
Response: 2248000
Conc: 20.61 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.501 min
Delta R.T.: -0.009 min
Response: 1902212
Conc: 20.38 ug/ml



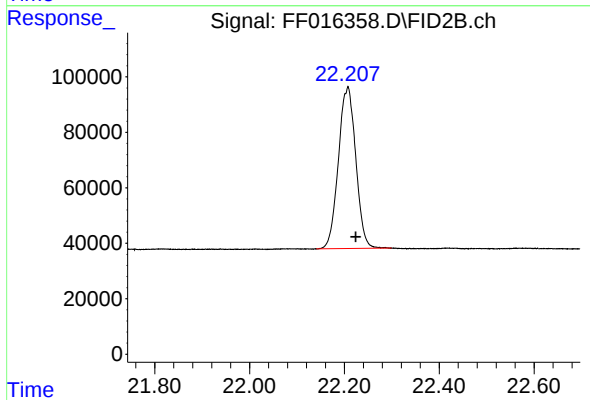
#21 n-Octatriacontane (C38)

R.T.: 21.259 min
Delta R.T.: -0.013 min
Response: 1643599
Conc: 19.54 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.207 min
Delta R.T.: -0.017 min
Response: 1482162
Conc: 18.88 ug/ml