

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120324AL\
 Data File : FE051506.D
 Signal(s) : FID1B.ch
 Acq On : 03 Dec 2024 11:50
 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 12/04/2024
 Supervised By :Ankita Jodhani 12/04/2024

Integration File: autoint1.e
 Quant Time: Dec 03 21:31:14 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 120224.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 02 14:18:35 2024
 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)	11.829	2883750	19.083 ug/ml
Spiked Amount 50.000		Recovery =	38.17%
12) S 1-chlorooctadecane (S...	13.262	2153896	19.274 ug/ml
Spiked Amount 50.000		Recovery =	38.55%
Target Compounds			
1) T n-Nonane (C9)	3.222	2588728	18.471 ug/ml
2) T n-Decane (C10)	4.469	2664197	18.787 ug/ml
3) T A~Naphthalene (C11.7)	6.184	2422400	18.325 ug/ml
4) T n-Dodecane (C12)	6.636	2706738	19.016 ug/ml
5) T A~2-methylnaphthalene...	7.281	2208896	18.413 ug/ml
6) T n-Tetradecane (C14)	8.462	2651360	19.020 ug/ml
7) T n-Hexadecane (C16)	10.068	2706502	19.049 ug/ml
8) T n-Octadecane (C18)	11.509	2759625	19.203 ug/mlm
10) T n-Eicosane (C20)	12.815	2659845	19.268 ug/ml
11) T n-Heneicosane (C21)	13.426	2612458	19.273 ug/ml
13) T n-Docosane (C22)	14.011	2632226	19.658 ug/ml
14) T n-Tetracosane (C24)	15.112	2616936	19.805 ug/ml
15) T n-Hexacosane (C26)	16.132	2611435	20.138 ug/ml
16) T n-Octacosane (C28)	17.080	2608177	20.457 ug/ml
17) T n-Tricontane (C30)	17.966	2673644	20.649 ug/ml
18) T n-Dotriacontane (C32)	18.798	2595474	20.733 ug/ml
19) T n-Tetratriacontane (C34)	19.580	2256456	19.979 ug/ml
20) T n-Hexatriacontane (C36)	20.319	1931899	20.060 ug/ml
21) T n-Octatriacontane (C38)	21.038	1754208	19.267 ug/ml
22) T n-Tetracontane (C40)	21.912	1604445	18.308 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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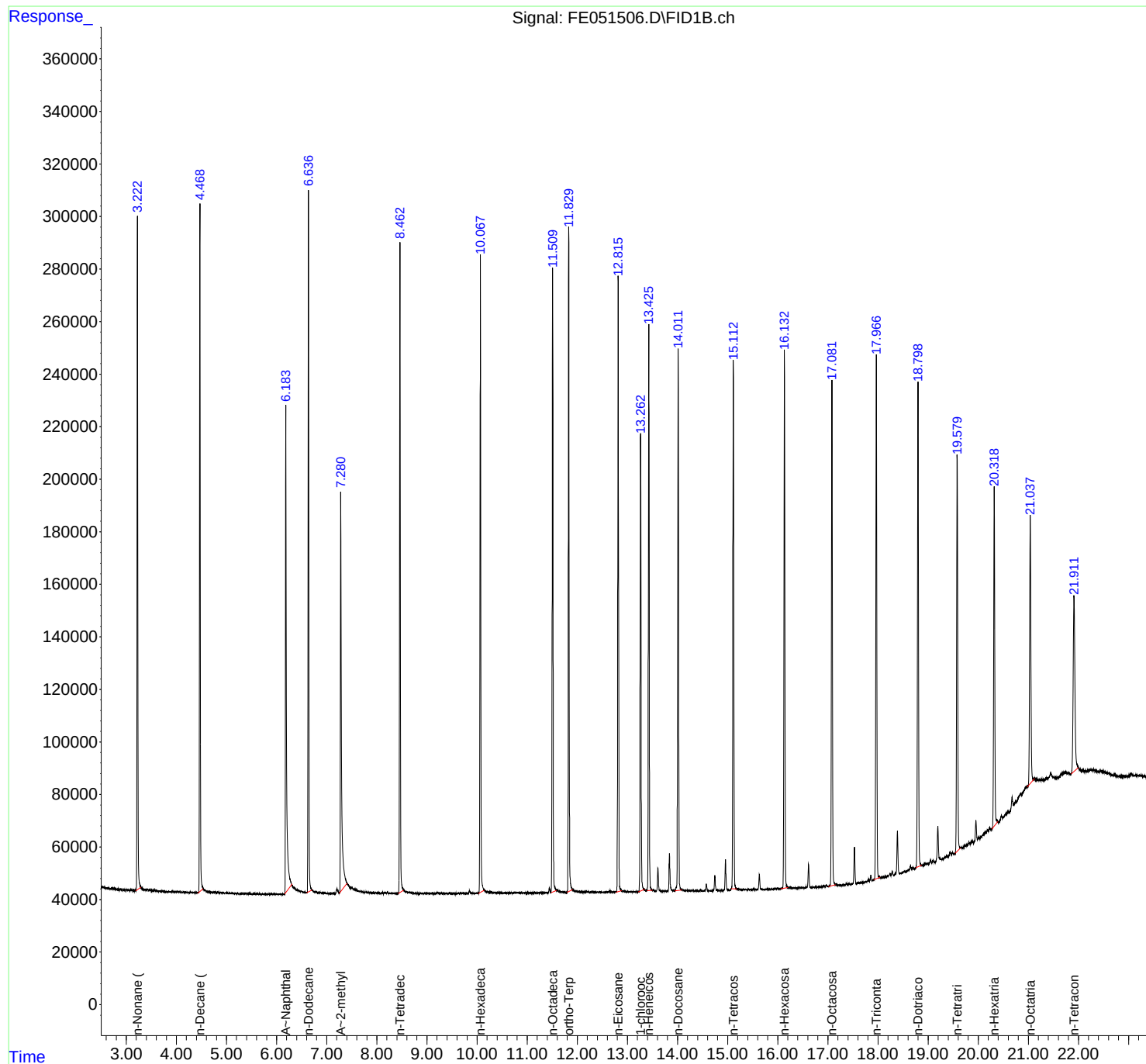
Instrument :
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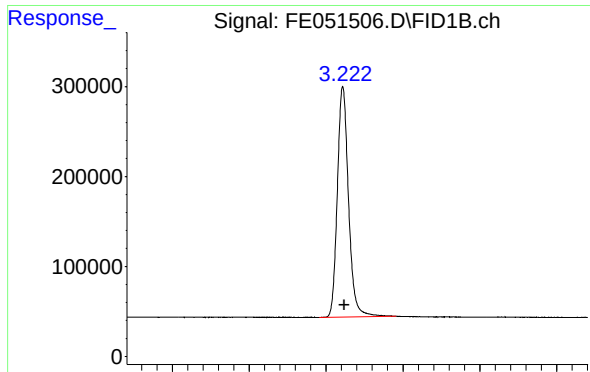
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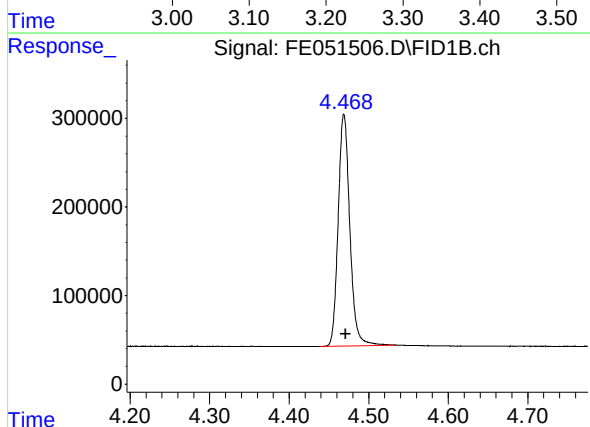
#1 n-Nonane (C9)

R.T.: 3.222 min
Delta R.T.: -0.002 min
Response: 2588728
Conc: 18.47 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

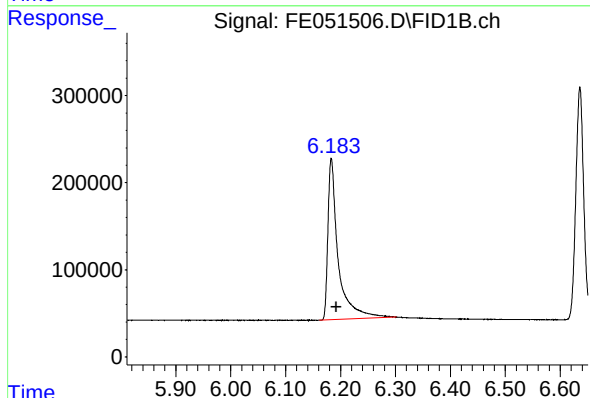
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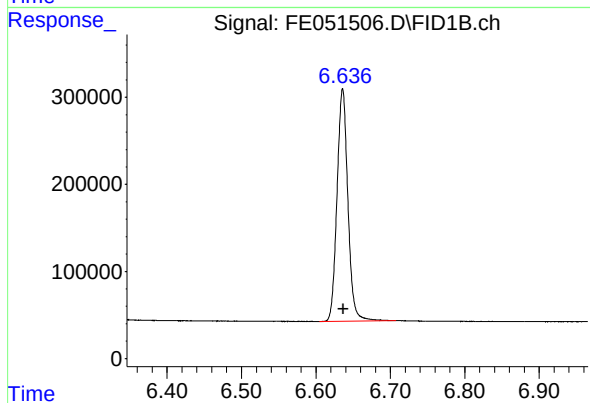
#2 n-Decane (C10)

R.T.: 4.469 min
Delta R.T.: -0.002 min
Response: 2664197
Conc: 18.79 ug/ml



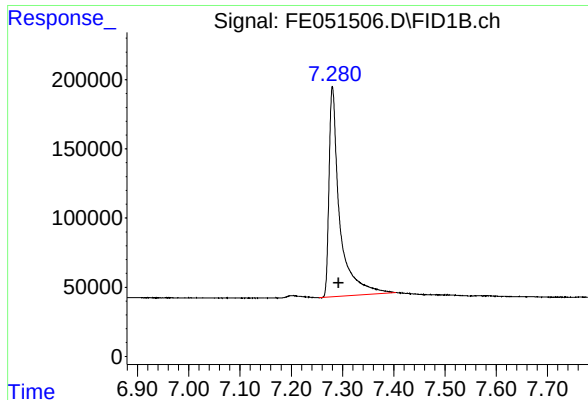
#3 A~Naphthalene (C11.7)

R.T.: 6.184 min
Delta R.T.: -0.009 min
Response: 2422400
Conc: 18.32 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.636 min
Delta R.T.: -0.001 min
Response: 2706738
Conc: 19.02 ug/ml



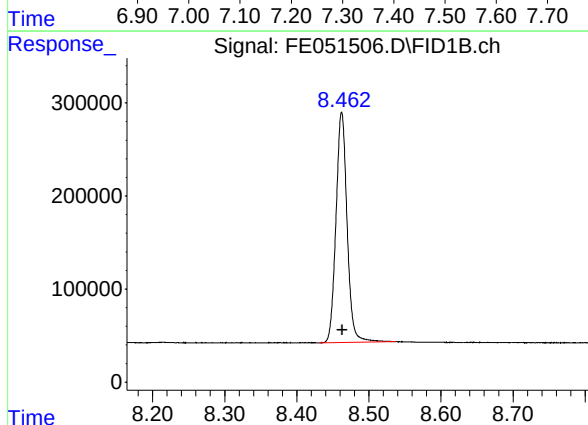
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.281 min
Delta R.T.: -0.011 min
Response: 2208896
Conc: 18.41 ug/ml

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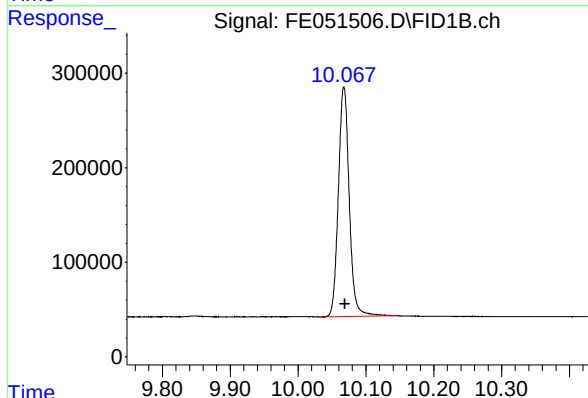
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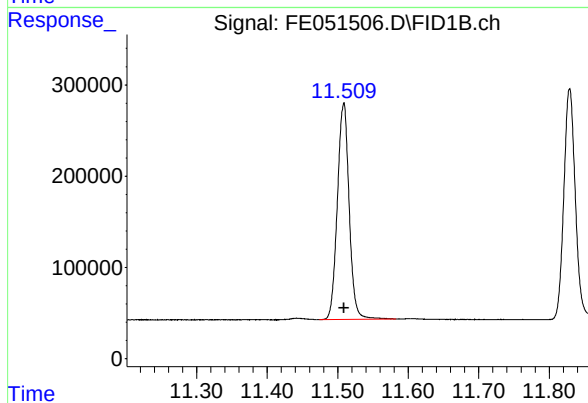
#6 n-Tetradecane (C14)

R.T.: 8.462 min
Delta R.T.: 0.000 min
Response: 2651360
Conc: 19.02 ug/ml



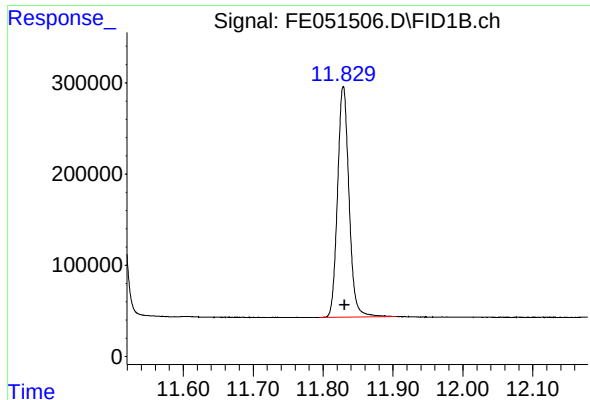
#7 n-Hexadecane (C16)

R.T.: 10.068 min
Delta R.T.: -0.001 min
Response: 2706502
Conc: 19.05 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.509 min
Delta R.T.: 0.000 min
Response: 2759625
Conc: 19.20 ug/ml m



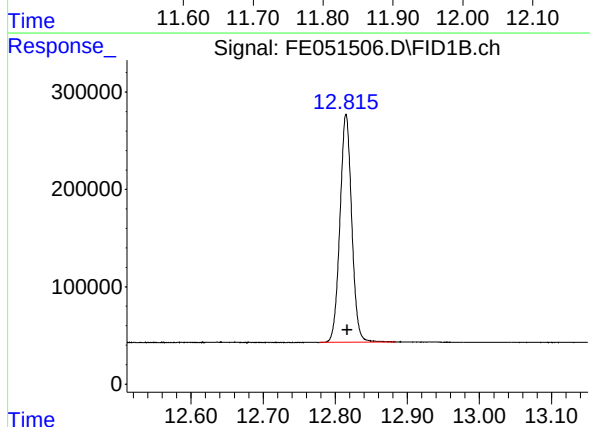
#9 ortho-Terphenyl (SURR)

R.T.: 11.829 min
Delta R.T.: -0.002 min
Response: 2883750
Conc: 19.08 ug/ml

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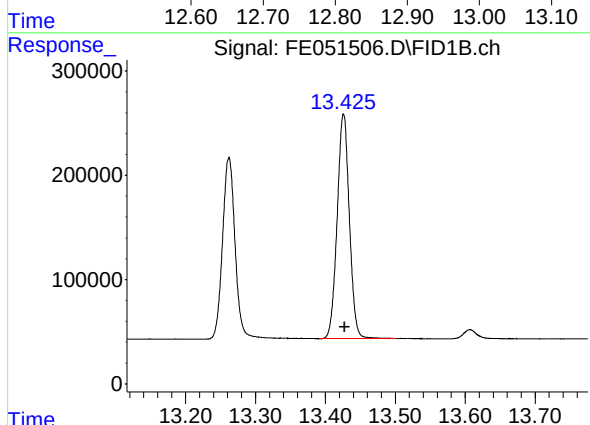
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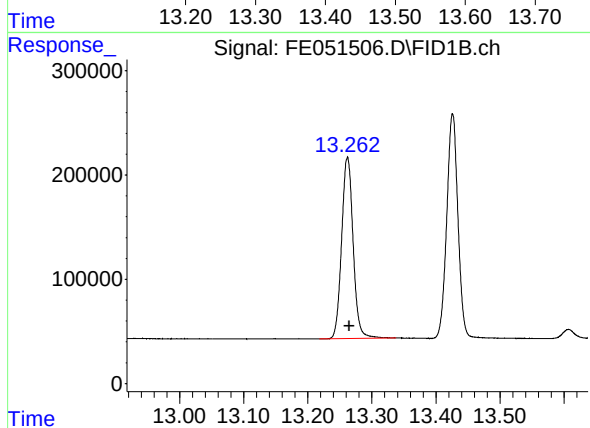
#10 n-Eicosane (C20)

R.T.: 12.815 min
Delta R.T.: -0.002 min
Response: 2659845
Conc: 19.27 ug/ml



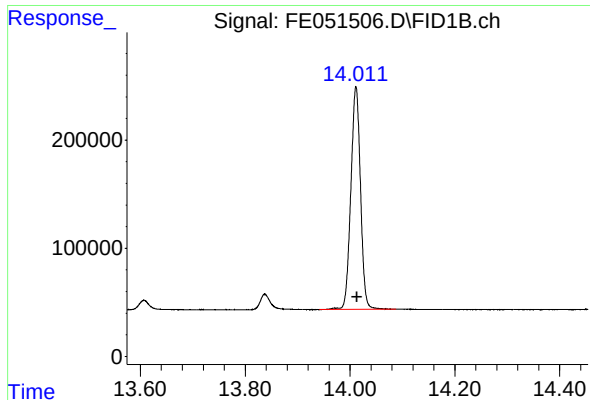
#11 n-Heneicosane (C21)

R.T.: 13.426 min
Delta R.T.: -0.002 min
Response: 2612458
Conc: 19.27 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.262 min
Delta R.T.: -0.002 min
Response: 2153896
Conc: 19.27 ug/ml



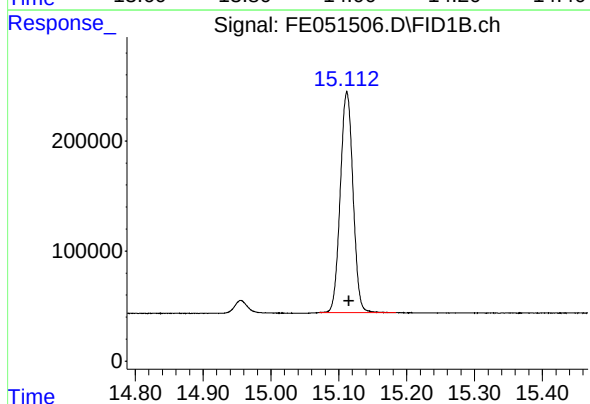
#13 n-Docosane (C22)

R.T.: 14.011 min
Delta R.T.: -0.002 min
Response: 2632226
Conc: 19.66 ug/ml

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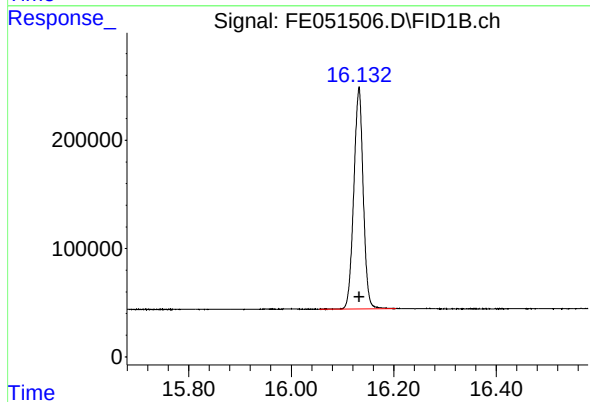
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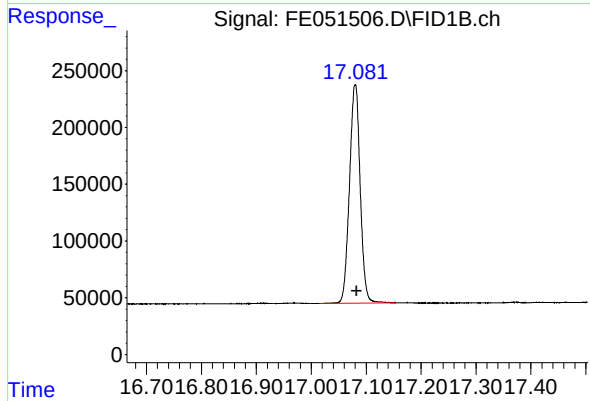
#14 n-Tetracosane (C24)

R.T.: 15.112 min
Delta R.T.: -0.003 min
Response: 2616936
Conc: 19.81 ug/ml



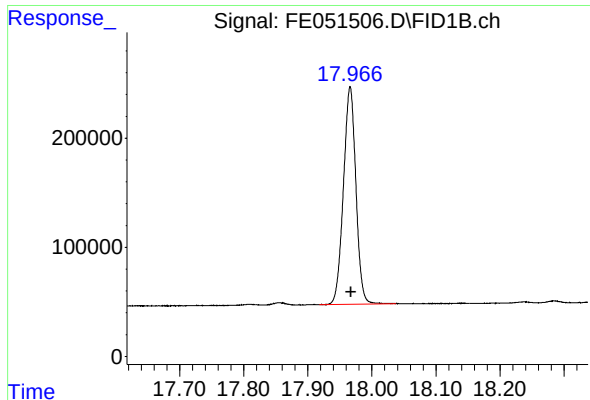
#15 n-Hexacosane (C26)

R.T.: 16.132 min
Delta R.T.: -0.001 min
Response: 2611435
Conc: 20.14 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.080 min
Delta R.T.: -0.002 min
Response: 2608177
Conc: 20.46 ug/ml



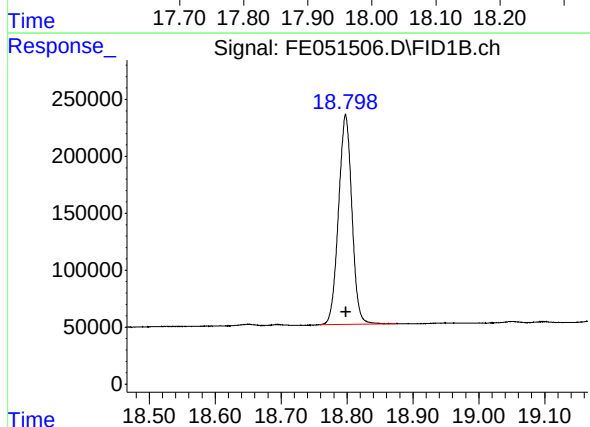
#17 n-Tricontane (C30)

R.T.: 17.966 min
Delta R.T.: -0.002 min
Response: 2673644
Conc: 20.65 ug/ml

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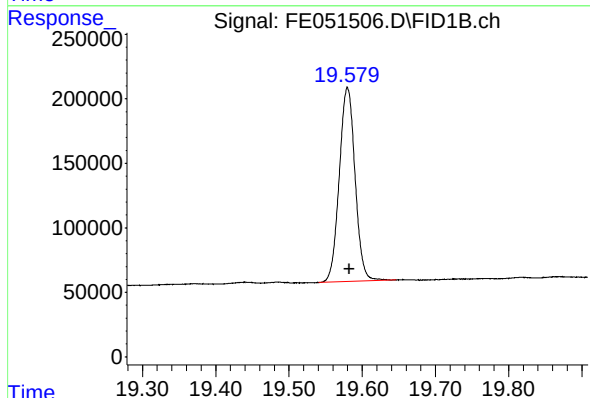
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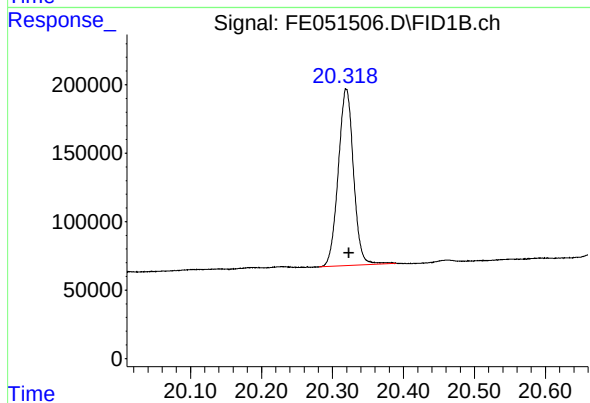
#18 n-Dotriacontane (C32)

R.T.: 18.798 min
Delta R.T.: 0.000 min
Response: 2595474
Conc: 20.73 ug/ml



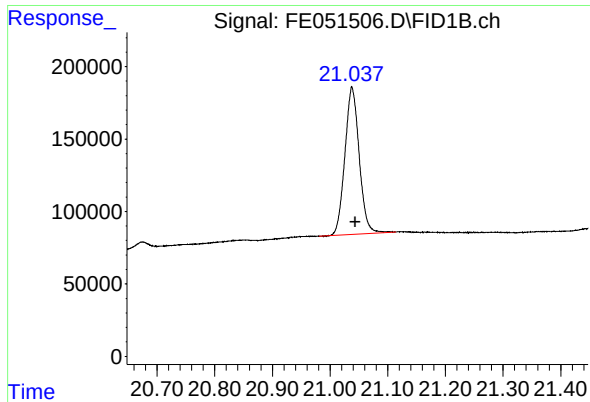
#19 n-Tetratriacontane (C34)

R.T.: 19.580 min
Delta R.T.: -0.002 min
Response: 2256456
Conc: 19.98 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.319 min
Delta R.T.: -0.004 min
Response: 1931899
Conc: 20.06 ug/ml



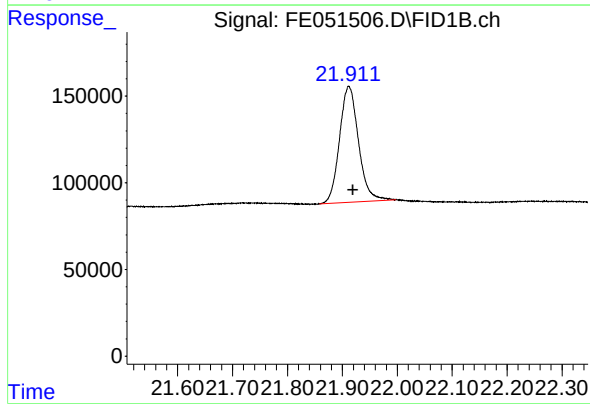
#21 n-Octatriacontane (C38)

R.T.: 21.038 min
Delta R.T.: -0.005 min
Response: 1754208
Conc: 19.27 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.912 min
Delta R.T.: -0.008 min
Response: 1604445
Conc: 18.31 ug/ml