

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE102124AL\
 Data File : FE050737.D
 Signal(s) : FID1B.ch
 Acq On : 21 Oct 2024 12:19
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/22/2024
 Supervised By :Ankita Jodhani 10/22/2024

Integration File: autoint1.e
 Quant Time: Oct 22 04:47:03 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 07 16:32:18 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)	11.867	3076622	19.515 ug/ml
Spiked Amount 50.000		Recovery =	39.03%
12) S 1-chlorooctadecane (S...	13.302	2315272	19.572 ug/ml
Spiked Amount 50.000		Recovery =	39.14%
Target Compounds			
1) T n-Nonane (C9)	3.252	2760053	19.535 ug/ml
2) T n-Decane (C10)	4.503	2840121	19.795 ug/ml
3) T A~Naphthalene (C11.7)	6.216	2854562	19.963 ug/ml
4) T n-Dodecane (C12)	6.670	2867343	19.921 ug/ml
5) T A~2-methylnaphthalene...	7.312	2666382	20.127 ug/ml
6) T n-Tetradecane (C14)	8.498	2840584	19.855 ug/ml
7) T n-Hexadecane (C16)	10.105	2914999	19.807 ug/ml
8) T n-Octadecane (C18)	11.546	2930550	19.619 ug/ml
10) T n-Eicosane (C20)	12.855	2791660	19.468 ug/ml
11) T n-Heneicosane (C21)	13.466	2734366	19.471 ug/ml
13) T n-Docosane (C22)	14.052	2713454	19.341 ug/ml
14) T n-Tetracosane (C24)	15.154	2708286	19.170 ug/ml
15) T n-Hexacosane (C26)	16.174	2725202	19.367 ug/ml
16) T n-Octacosane (C28)	17.123	2759861	18.860 ug/ml
17) T n-Tricontane (C30)	18.011	2956565	18.594 ug/ml
18) T n-Dotriacontane (C32)	18.843	3007927	18.554 ug/ml
19) T n-Tetratriacontane (C34)	19.626	2850957	19.409 ug/ml
20) T n-Hexatriacontane (C36)	20.366	2403282	18.951 ug/ml
21) T n-Octatriacontane (C38)	21.092	2260027	18.278 ug/mlm
22) T n-Tetracontane (C40)	21.984	1965693	17.653 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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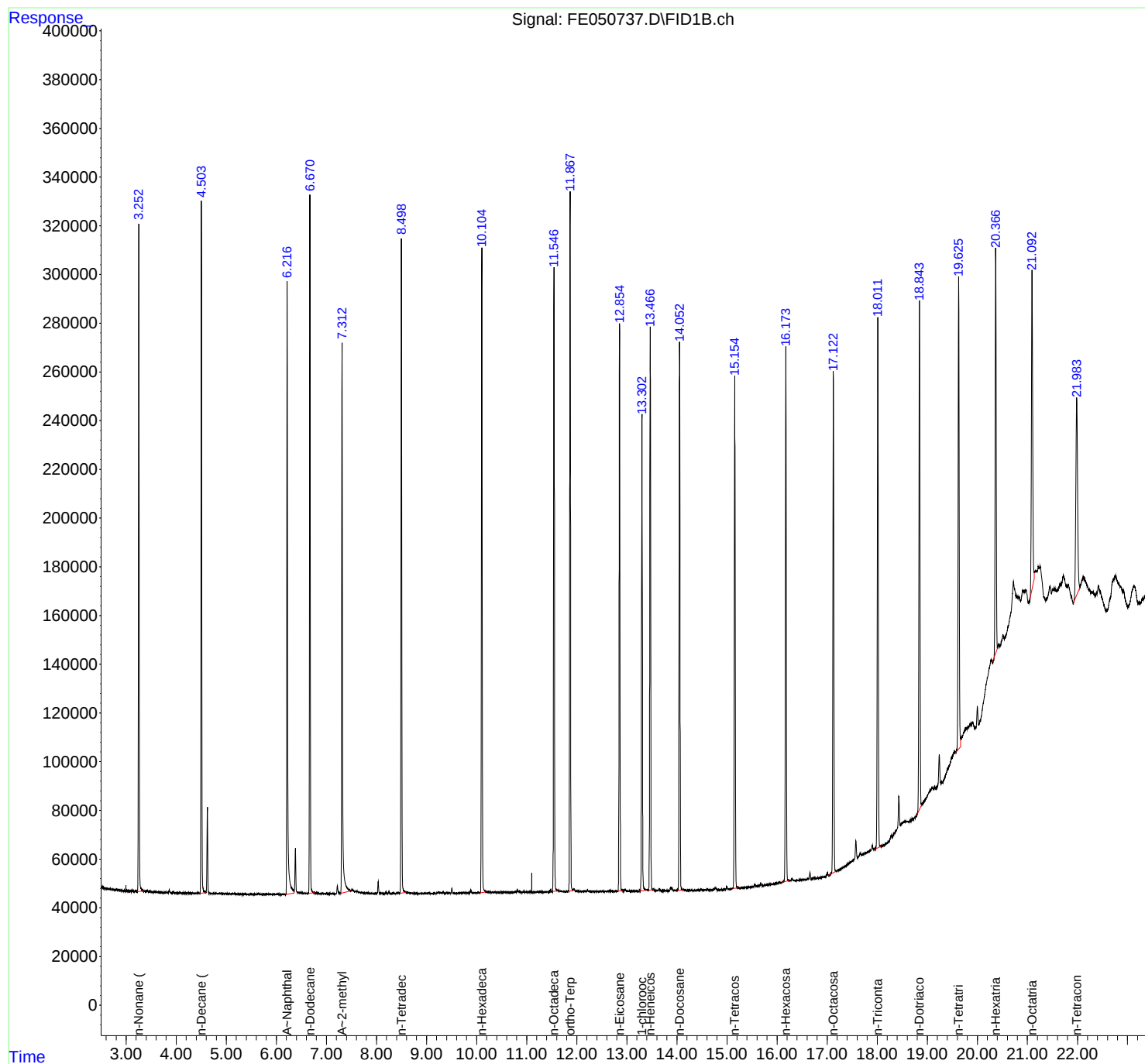
Instrument :
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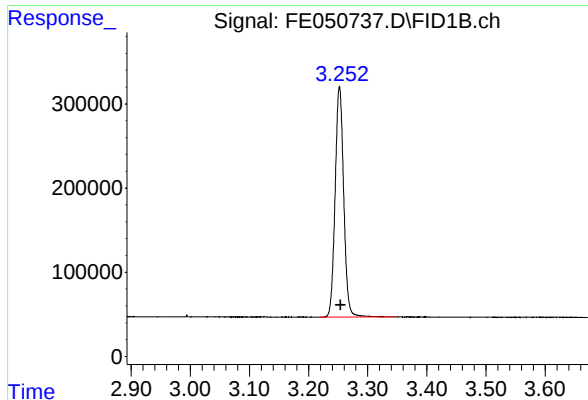
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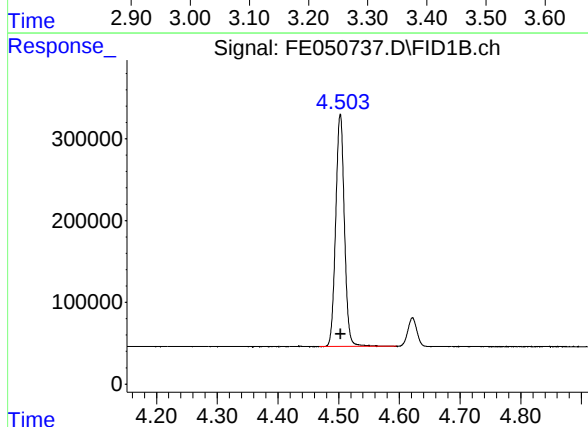
#1 n-Nonane (C9)

R.T.: 3.252 min
Delta R.T.: -0.002 min
Response: 2760053
Conc: 19.53 ug/ml

Instrument :
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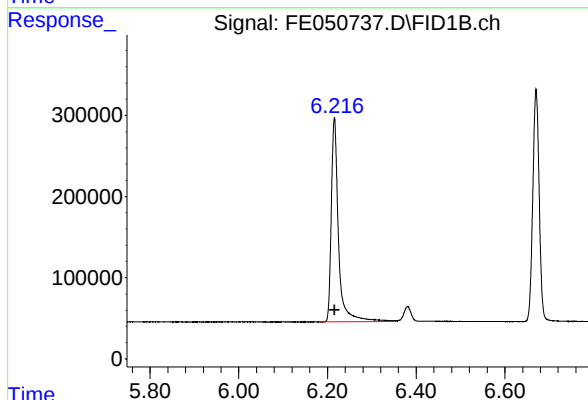
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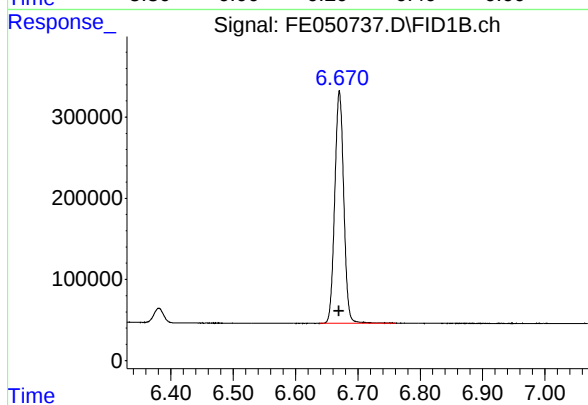
#2 n-Decane (C10)

R.T.: 4.503 min
Delta R.T.: 0.000 min
Response: 2840121
Conc: 19.80 ug/ml



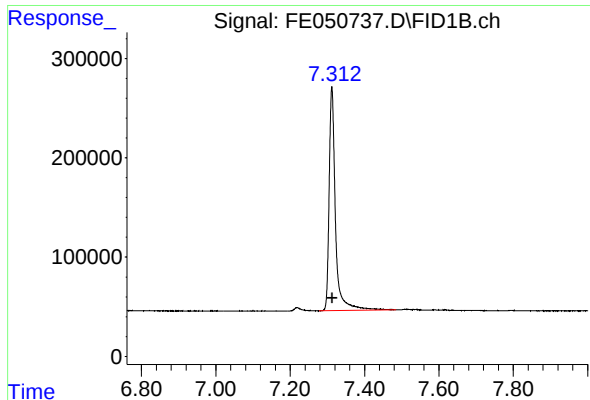
#3 A~Naphthalene (C11.7)

R.T.: 6.216 min
Delta R.T.: 0.000 min
Response: 2854562
Conc: 19.96 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.670 min
Delta R.T.: 0.000 min
Response: 2867343
Conc: 19.92 ug/ml



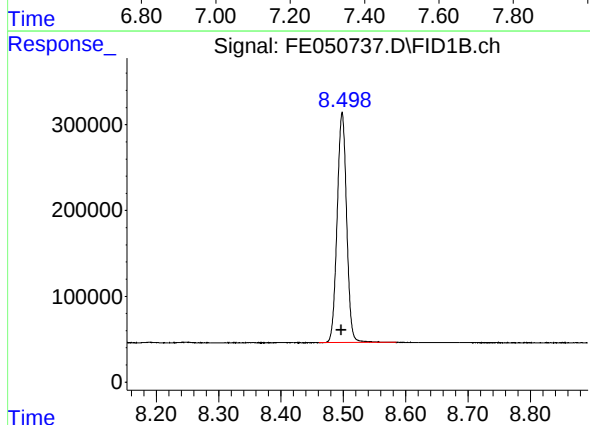
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.312 min
Delta R.T.: 0.000 min
Response: 2666382
Conc: 20.13 ug/ml

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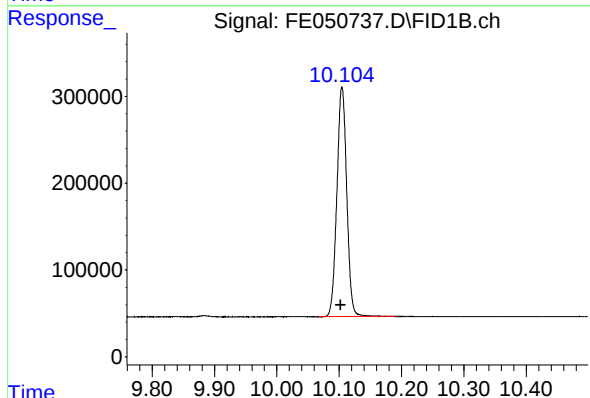
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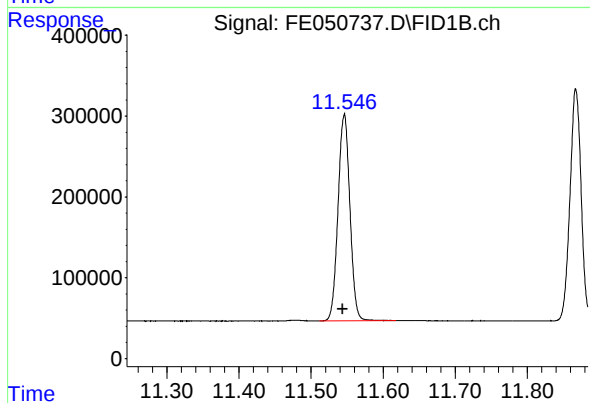
#6 n-Tetradecane (C14)

R.T.: 8.498 min
Delta R.T.: 0.002 min
Response: 2840584
Conc: 19.85 ug/ml



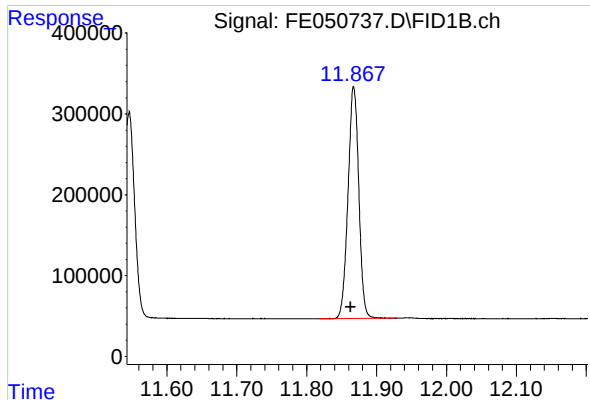
#7 n-Hexadecane (C16)

R.T.: 10.105 min
Delta R.T.: 0.002 min
Response: 2914999
Conc: 19.81 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.546 min
Delta R.T.: 0.002 min
Response: 2930550
Conc: 19.62 ug/ml



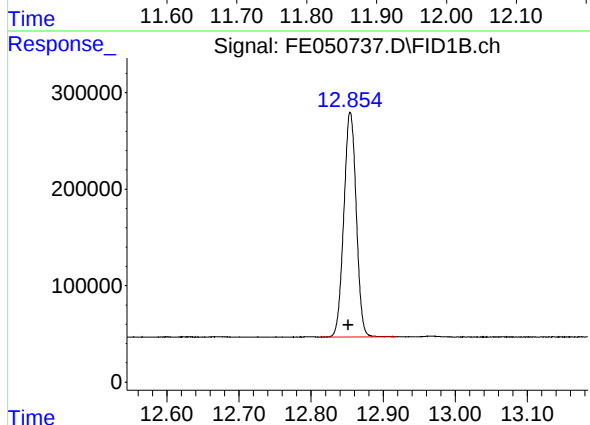
#9 ortho-Terphenyl (SURR)

R.T.: 11.867 min
Delta R.T.: 0.004 min
Response: 3076622
Conc: 19.51 ug/ml

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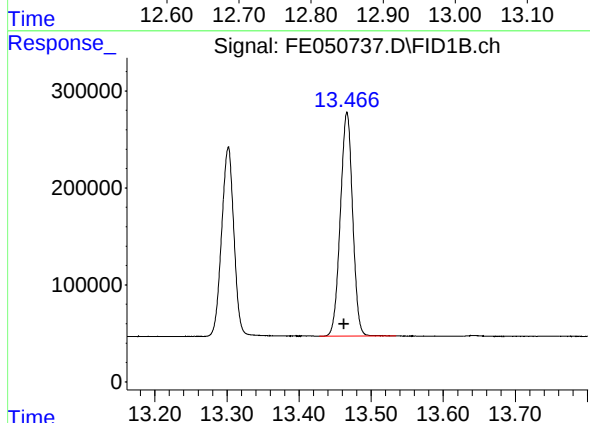
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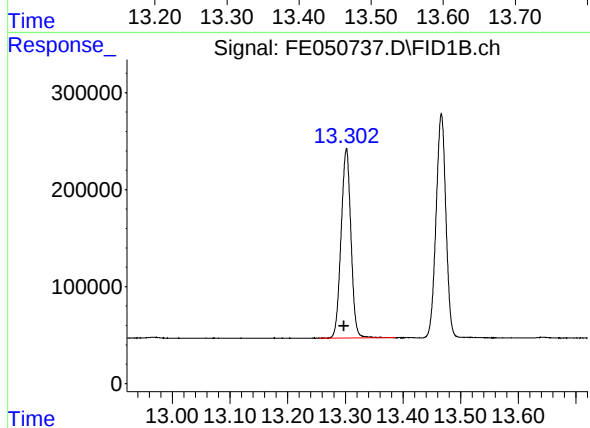
#10 n-Eicosane (C20)

R.T.: 12.855 min
Delta R.T.: 0.003 min
Response: 2791660
Conc: 19.47 ug/ml



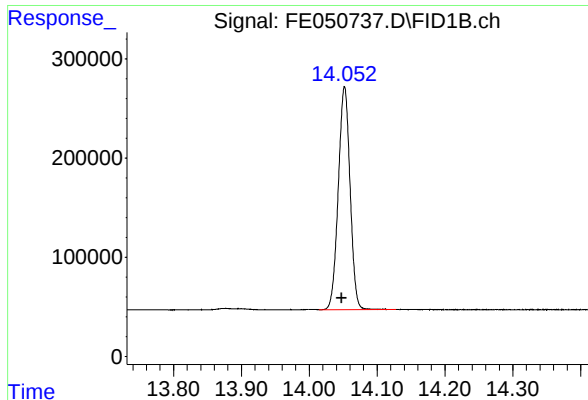
#11 n-Heneicosane (C21)

R.T.: 13.466 min
Delta R.T.: 0.004 min
Response: 2734366
Conc: 19.47 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.302 min
Delta R.T.: 0.004 min
Response: 2315272
Conc: 19.57 ug/ml



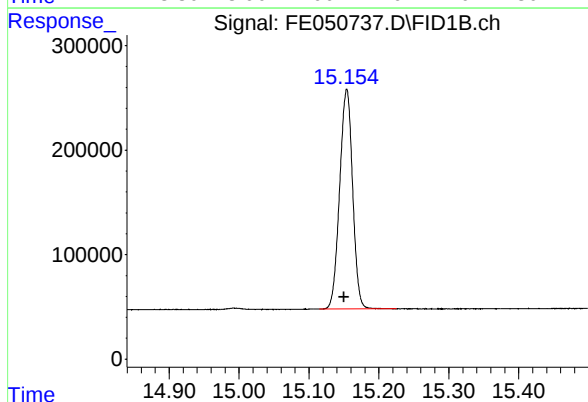
#13 n-Docosane (C22)

R.T.: 14.052 min
Delta R.T.: 0.004 min
Response: 2713454
Conc: 19.34 ug/ml

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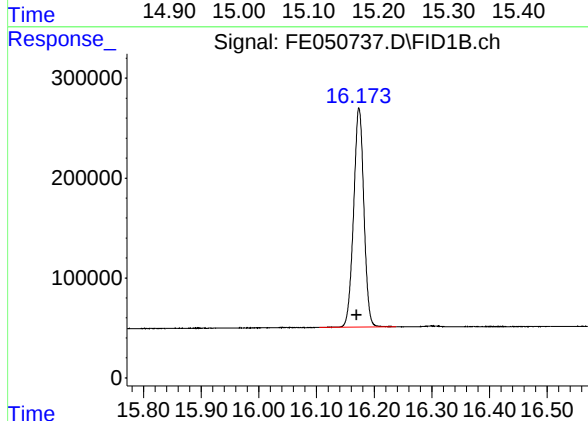
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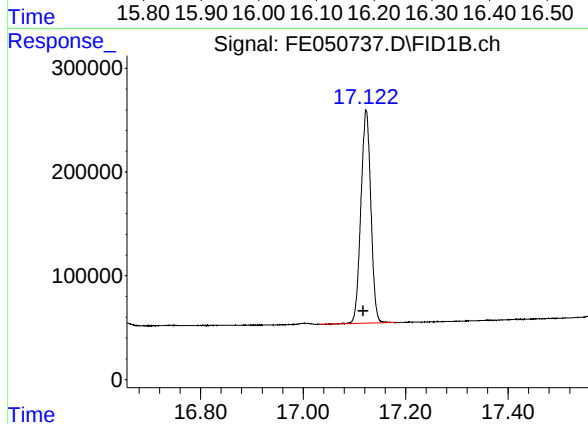
#14 n-Tetracosane (C24)

R.T.: 15.154 min
Delta R.T.: 0.004 min
Response: 2708286
Conc: 19.17 ug/ml



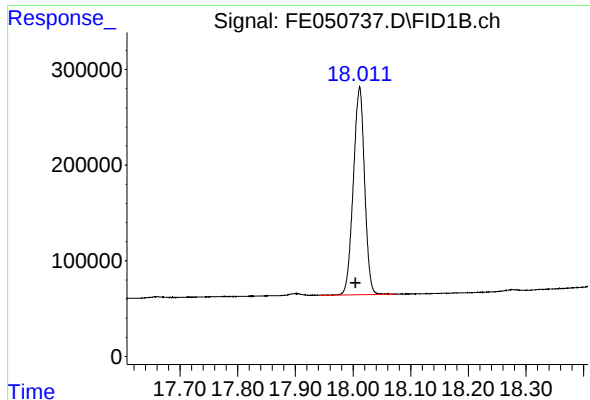
#15 n-Hexacosane (C26)

R.T.: 16.174 min
Delta R.T.: 0.005 min
Response: 2725202
Conc: 19.37 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.123 min
Delta R.T.: 0.006 min
Response: 2759861
Conc: 18.86 ug/ml



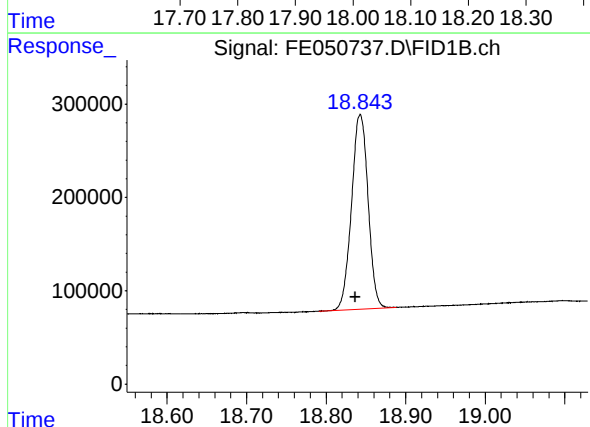
#17 n-Tricontane (C30)

R.T.: 18.011 min
Delta R.T.: 0.007 min
Response: 2956565
Conc: 18.59 ug/ml

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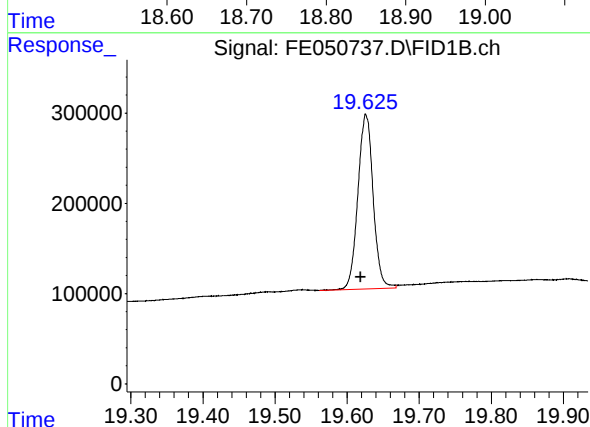
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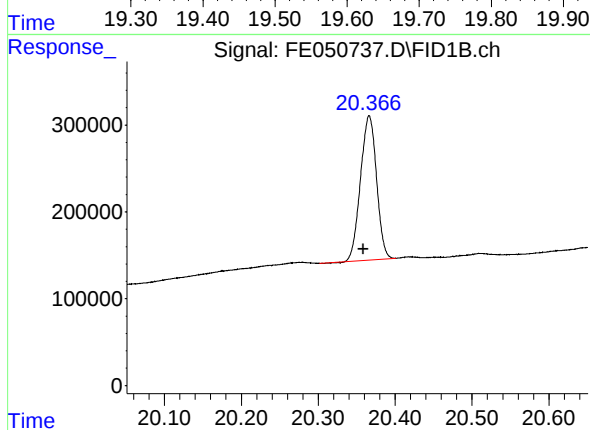
#18 n-Dotriacontane (C32)

R.T.: 18.843 min
Delta R.T.: 0.006 min
Response: 3007927
Conc: 18.55 ug/ml



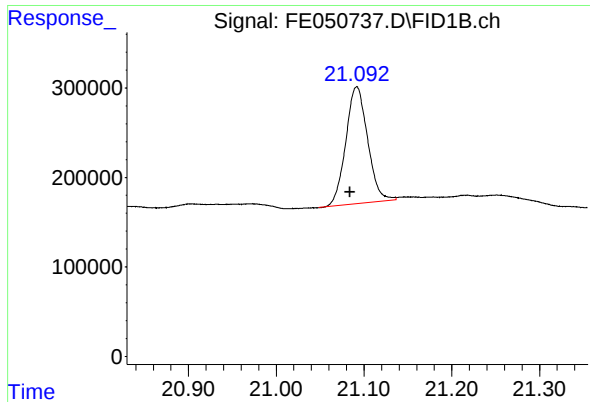
#19 n-Tetratriacontane (C34)

R.T.: 19.626 min
Delta R.T.: 0.008 min
Response: 2850957
Conc: 19.41 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.366 min
Delta R.T.: 0.008 min
Response: 2403282
Conc: 18.95 ug/ml



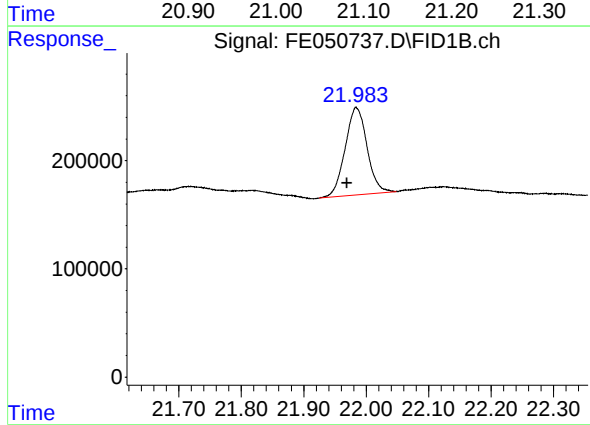
#21 n-Octatriacontane (C38)

R.T.: 21.092 min
Delta R.T.: 0.008 min
Response: 2260027
Conc: 18.28 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.984 min
Delta R.T.: 0.015 min
Response: 1965693
Conc: 17.65 ug/ml