

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE123124AL\
 Data File : FE051822.D
 Signal(s) : FID1B.ch
 Acq On : 31 Dec 2024 08:58
 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 12/31/2024
 Supervised By :Ankita Jodhani 01/02/2025

Integration File: autoint1.e
 Quant Time: Dec 31 10:18:12 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 122724.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 31 09:00:33 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)	12.103	2925144	19.312 ug/ml
Spiked Amount 50.000		Recovery =	38.62%
12) S 1-chlorooctadecane (S...	13.534	2248863	19.331 ug/ml
Spiked Amount 50.000		Recovery =	38.66%
Target Compounds			
1) T n-Nonane (C9)	3.514	2217971	19.123 ug/ml
2) T n-Decane (C10)	4.758	2313547	19.227 ug/ml
3) T A~Naphthalene (C11.7)	6.461	2686664	19.329 ug/ml
4) T n-Dodecane (C12)	6.910	2422041	19.278 ug/ml
5) T A~2-methylnaphthalene...	7.551	2644698	19.321 ug/ml
6) T n-Tetradecane (C14)	8.733	2490373	19.367 ug/ml
7) T n-Hexadecane (C16)	10.337	2640122	19.401 ug/ml
8) T n-Octadecane (C18)	11.778	2707967	19.340 ug/ml
10) T n-Eicosane (C20)	13.086	2630634	19.437 ug/ml
11) T n-Heneicosane (C21)	13.697	2572100	19.309 ug/ml
13) T n-Docosane (C22)	14.282	2595714	19.664 ug/ml
14) T n-Tetracosane (C24)	15.385	2653627	20.451 ug/ml
15) T n-Hexacosane (C26)	16.404	2611841	20.796 ug/ml
16) T n-Octacosane (C28)	17.353	2549355	21.117 ug/ml
17) T n-Tricontane (C30)	18.240	2565949	21.321 ug/ml
18) T n-Dotriacontane (C32)	19.073	2426759	21.204 ug/ml
19) T n-Tetratriacontane (C34)	19.853	2073884	20.562 ug/ml
20) T n-Hexatriacontane (C36)	20.591	1865432	20.929 ug/mlm
21) T n-Octatriacontane (C38)	21.368	1772850	20.648 ug/ml
22) T n-Tetracontane (C40)	22.348	1693881	19.206 ug/ml

(f)=RT Delta > 1/2 Window

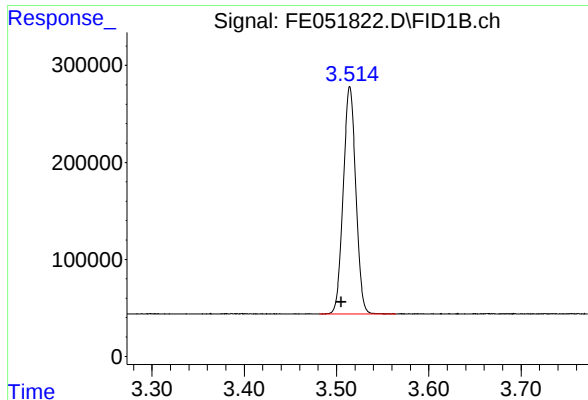
(m)=manual int.

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Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um





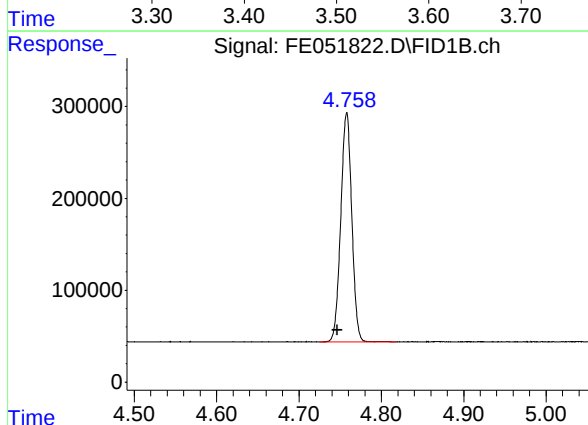
#1 n-Nonane (C9)

R.T.: 3.514 min
Delta R.T.: 0.009 min
Response: 2217971
Conc: 19.12 ug/ml

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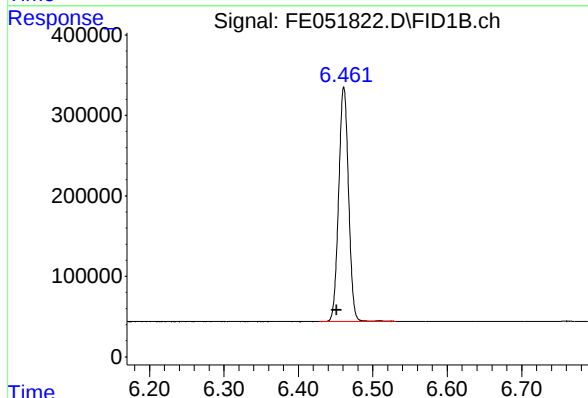
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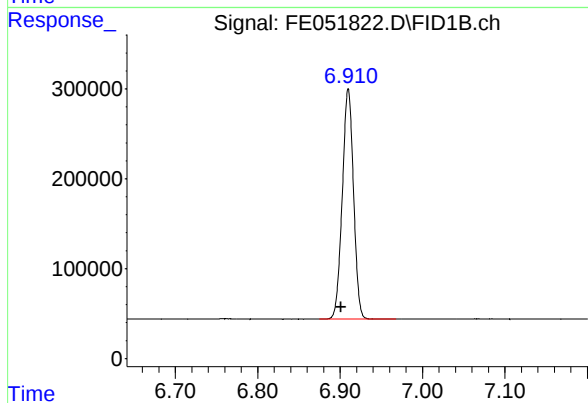
#2 n-Decane (C10)

R.T.: 4.758 min
Delta R.T.: 0.011 min
Response: 2313547
Conc: 19.23 ug/ml



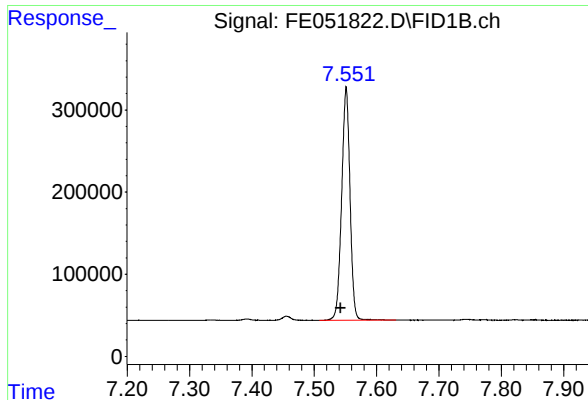
#3 A~Naphthalene (C11.7)

R.T.: 6.461 min
Delta R.T.: 0.010 min
Response: 2686664
Conc: 19.33 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.910 min
Delta R.T.: 0.009 min
Response: 2422041
Conc: 19.28 ug/ml



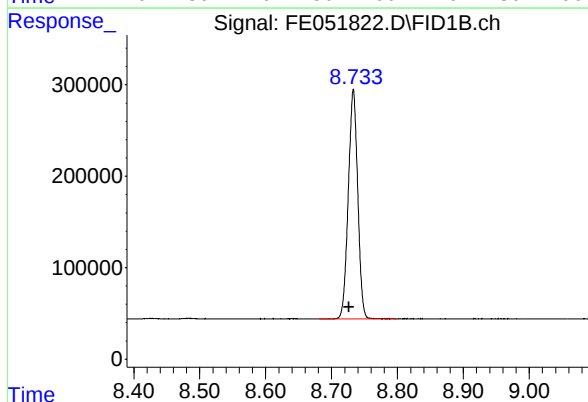
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.551 min
Delta R.T.: 0.009 min
Response: 2644698
Conc: 19.32 ug/ml

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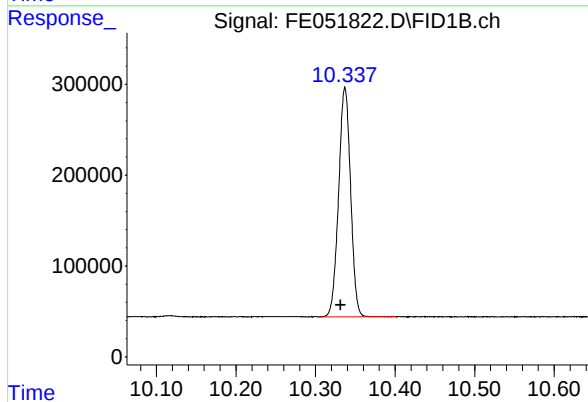
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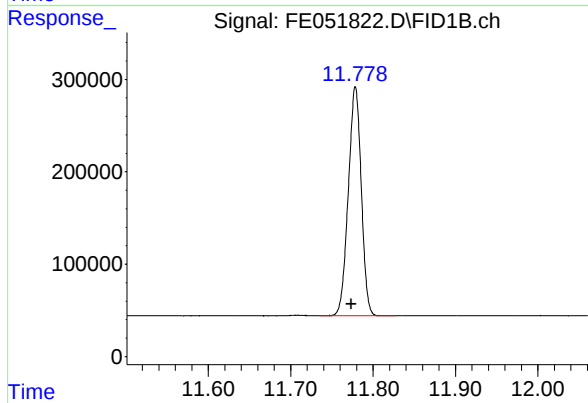
#6 n-Tetradecane (C14)

R.T.: 8.733 min
Delta R.T.: 0.007 min
Response: 2490373
Conc: 19.37 ug/ml



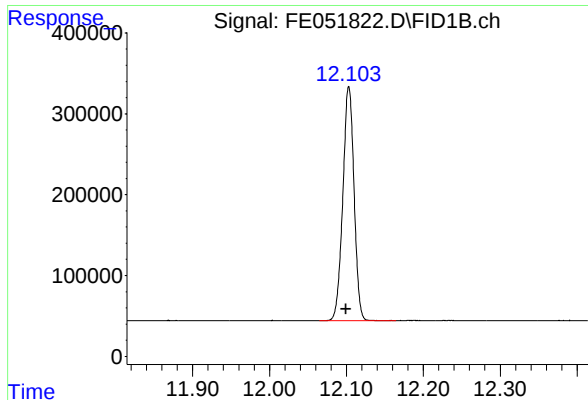
#7 n-Hexadecane (C16)

R.T.: 10.337 min
Delta R.T.: 0.006 min
Response: 2640122
Conc: 19.40 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.778 min
Delta R.T.: 0.005 min
Response: 2707967
Conc: 19.34 ug/ml



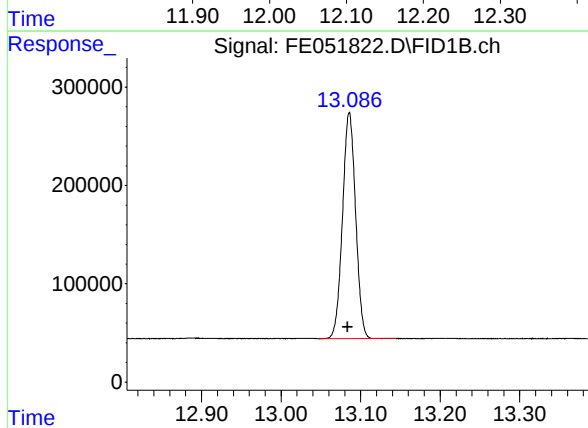
#9 ortho-Terphenyl (SURR)

R.T.: 12.103 min
Delta R.T.: 0.004 min
Response: 2925144
Conc: 19.31 ug/ml

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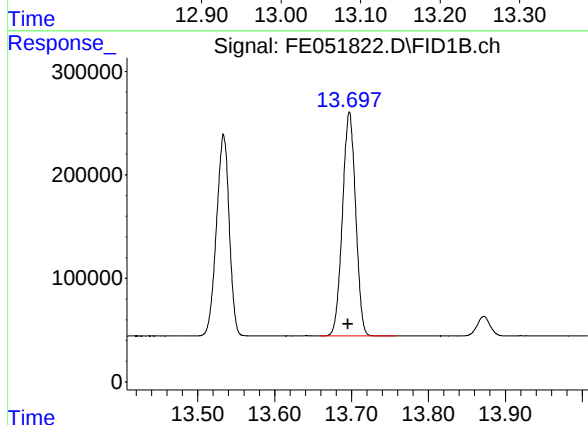
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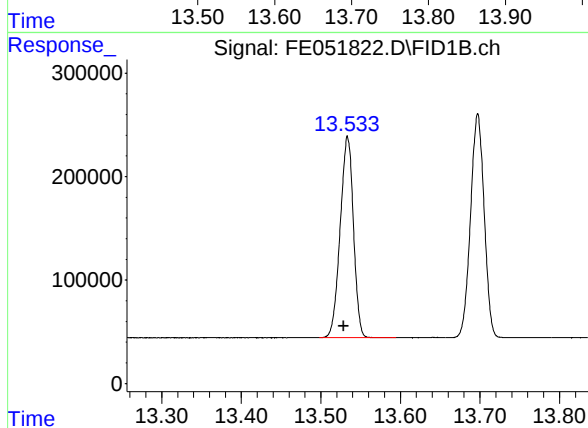
#10 n-Eicosane (C20)

R.T.: 13.086 min
Delta R.T.: 0.002 min
Response: 2630634
Conc: 19.44 ug/ml



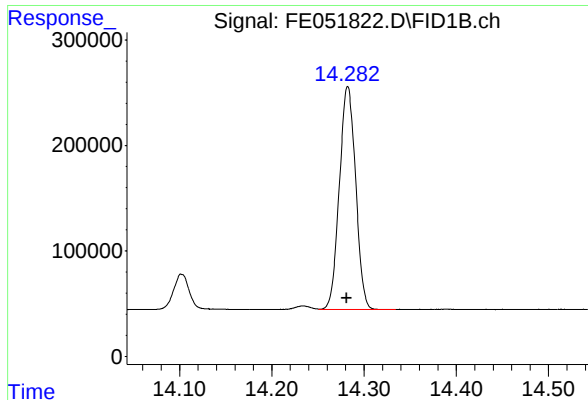
#11 n-Heneicosane (C21)

R.T.: 13.697 min
Delta R.T.: 0.002 min
Response: 2572100
Conc: 19.31 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.534 min
Delta R.T.: 0.005 min
Response: 2248863
Conc: 19.33 ug/ml



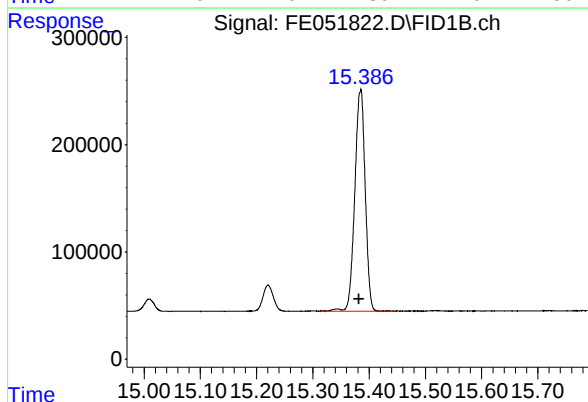
#13 n-Docosane (C22)

R.T.: 14.282 min
Delta R.T.: 0.001 min
Response: 2595714
Conc: 19.66 ug/ml

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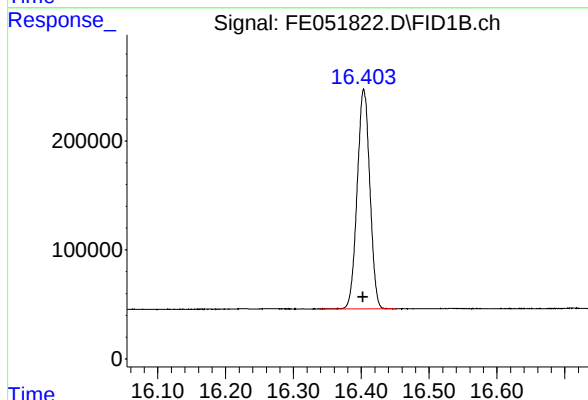
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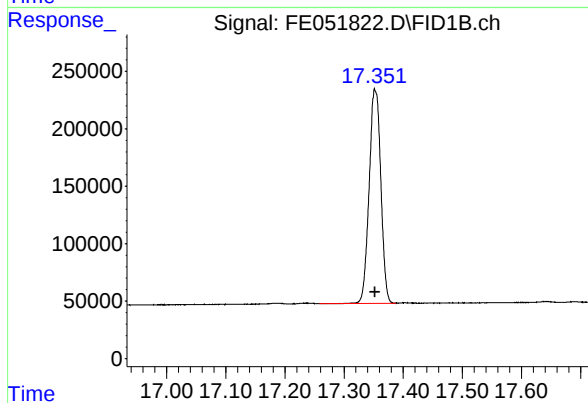
#14 n-Tetracosane (C24)

R.T.: 15.385 min
Delta R.T.: 0.002 min
Response: 2653627
Conc: 20.45 ug/ml



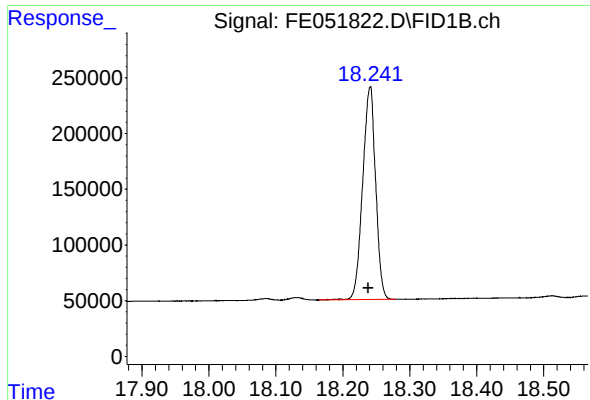
#15 n-Hexacosane (C26)

R.T.: 16.404 min
Delta R.T.: 0.001 min
Response: 2611841
Conc: 20.80 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.353 min
Delta R.T.: 0.000 min
Response: 2549355
Conc: 21.12 ug/ml



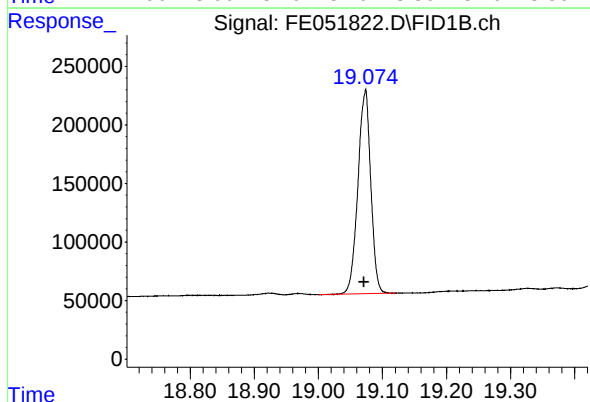
#17 n-Tricontane (C30)

R.T.: 18.240 min
Delta R.T.: 0.002 min
Response: 2565949
Conc: 21.32 ug/ml

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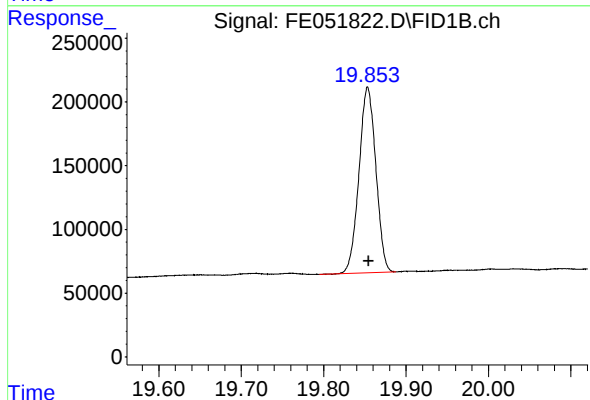
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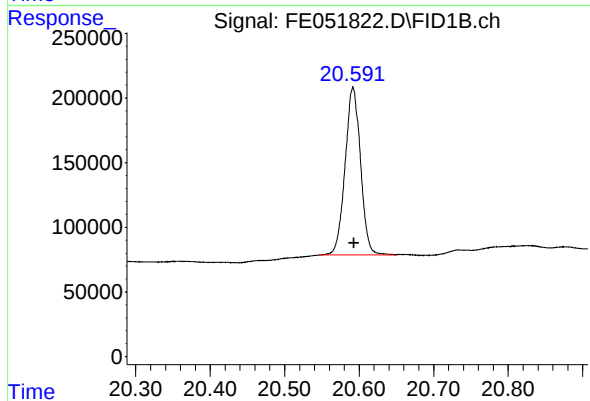
#18 n-Dotriacontane (C32)

R.T.: 19.073 min
Delta R.T.: 0.002 min
Response: 2426759
Conc: 21.20 ug/ml



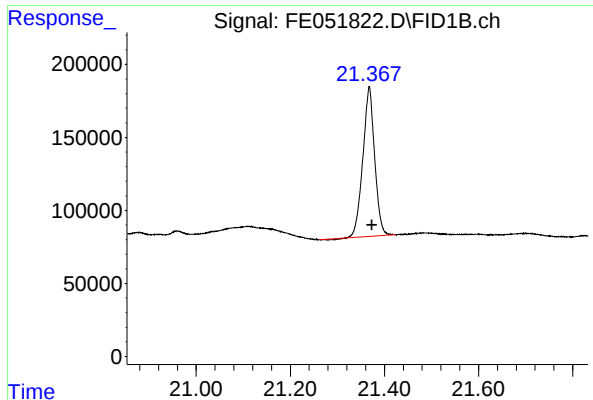
#19 n-Tetratriacontane (C34)

R.T.: 19.853 min
Delta R.T.: -0.001 min
Response: 2073884
Conc: 20.56 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.591 min
Delta R.T.: -0.002 min
Response: 1865432
Conc: 20.93 ug/ml m



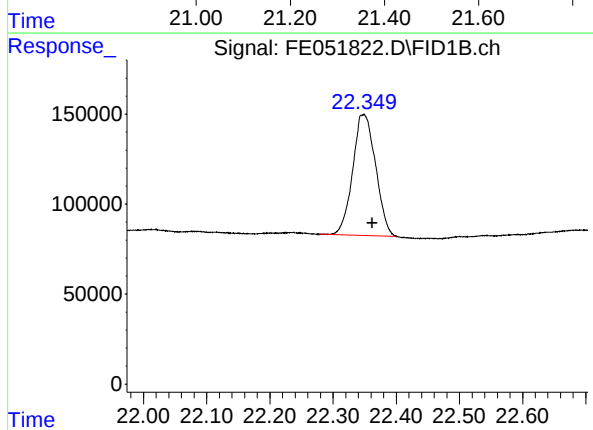
#21 n-Octatriacontane (C38)

R.T.: 21.368 min
Delta R.T.: -0.006 min
Response: 1772850
Conc: 20.65 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.348 min
Delta R.T.: -0.014 min
Response: 1693881
Conc: 19.21 ug/ml