

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092324AL\
 Data File : FE050315.D
 Signal(s) : FID1B.ch
 Acq On : 24 Sep 2024 05:19
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/24/2024
 Supervised By :Ankita Jodhani 09/24/2024

Integration File: autoint1.e
 Quant Time: Sep 24 05:46:38 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 09 17:11:47 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)	11.868	2812717	18.905 ug/ml
Spiked Amount 50.000		Recovery =	37.81%
12) S 1-chlorooctadecane (S...	13.302	2139769	19.049 ug/ml
Spiked Amount 50.000		Recovery =	38.10%
Target Compounds			
1) T n-Nonane (C9)	3.258	2496703	18.420 ug/ml
2) T n-Decane (C10)	4.508	2601900	18.853 ug/ml
3) T A~Naphthalene (C11.7)	6.218	2651492	18.943 ug/ml
4) T n-Dodecane (C12)	6.675	2608911	18.866 ug/ml
5) T A~2-methylnaphthalene...	7.314	2492110	18.960 ug/ml
6) T n-Tetradecane (C14)	8.502	2590920	19.027 ug/ml
7) T n-Hexadecane (C16)	10.107	2676790	19.271 ug/mlm
8) T n-Octadecane (C18)	11.549	2681615	19.140 ug/ml
10) T n-Eicosane (C20)	12.857	2557027	19.062 ug/mlm
11) T n-Heneicosane (C21)	13.468	2512579	19.122 ug/ml
13) T n-Docosane (C22)	14.053	2519804	19.351 ug/ml
14) T n-Tetracosane (C24)	15.155	2587350	19.813 ug/ml
15) T n-Hexacosane (C26)	16.174	2555036	19.971 ug/ml
16) T n-Octacosane (C28)	17.122	2674075	20.760 ug/ml
17) T n-Tricontane (C30)	18.008	2907024	21.739 ug/ml
18) T n-Dotriacontane (C32)	18.839	2928656	21.978 ug/ml
19) T n-Tetratriacontane (C34)	19.623	2668059	21.593 ug/ml
20) T n-Hexatriacontane (C36)	20.361	2452505	22.105 ug/mlm
21) T n-Octatriacontane (C38)	21.087	2188049	19.841 ug/ml
22) T n-Tetracontane (C40)	21.971	1932495	17.760 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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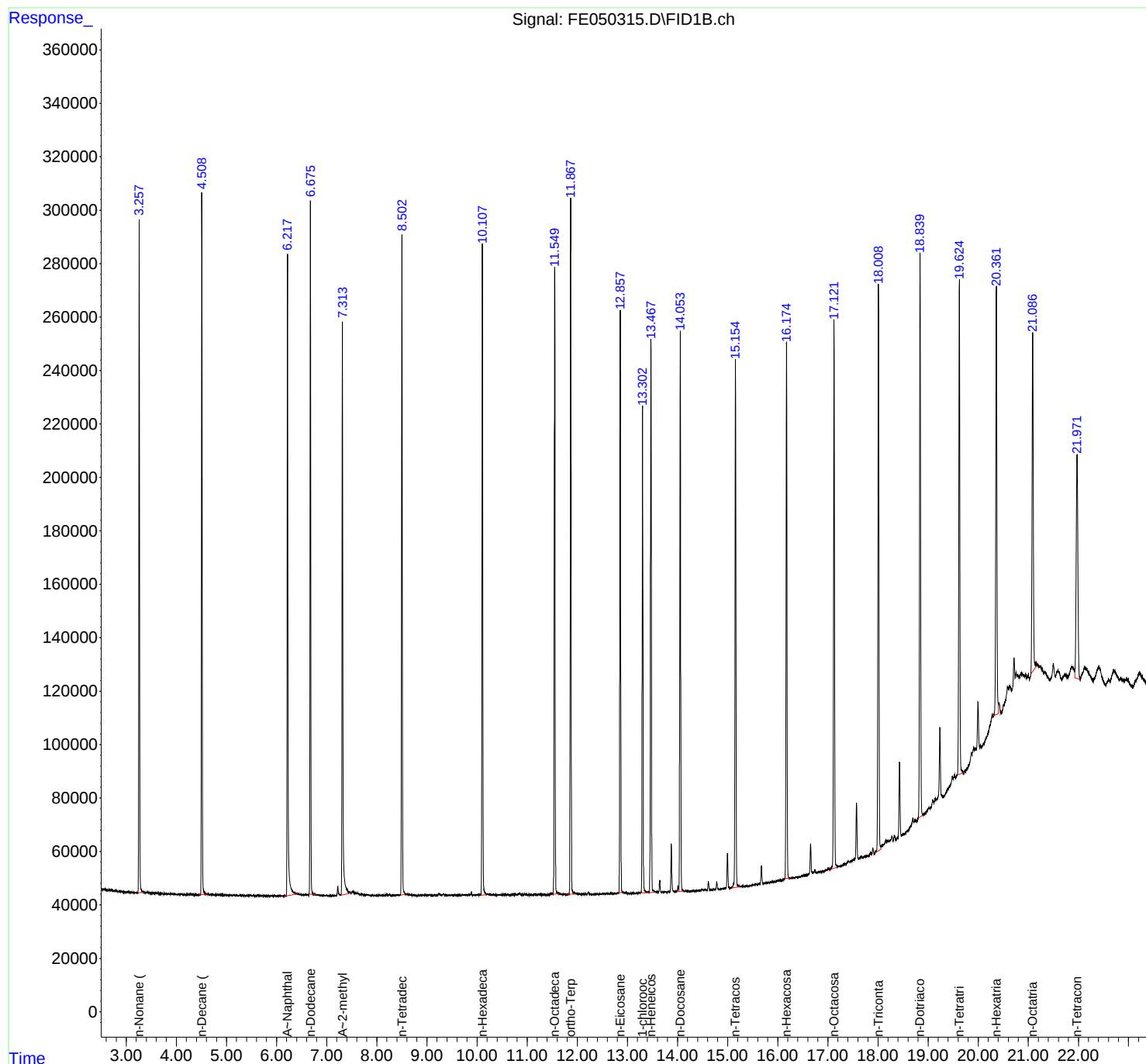
Instrument :
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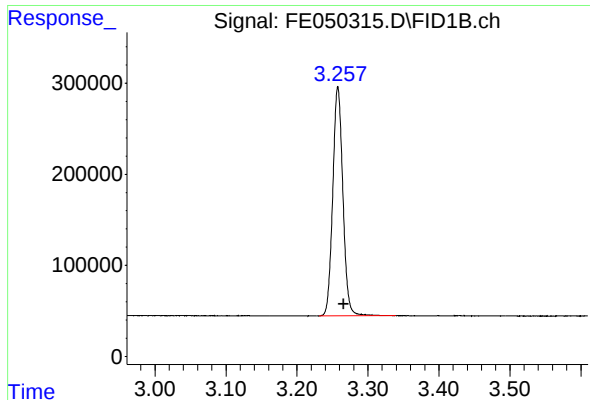
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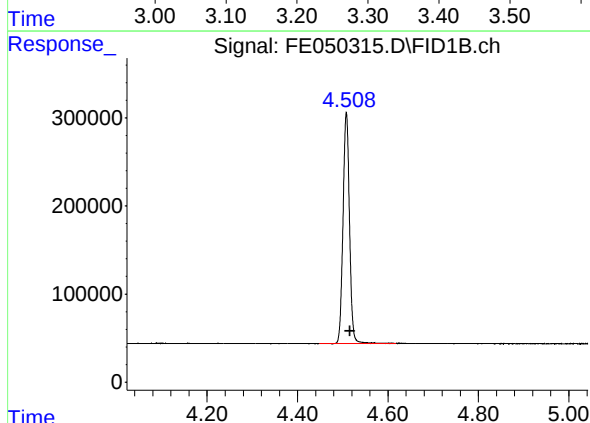
#1 n-Nonane (C9)

R.T.: 3.258 min
Delta R.T.: -0.008 min
Response: 2496703
Conc: 18.42 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

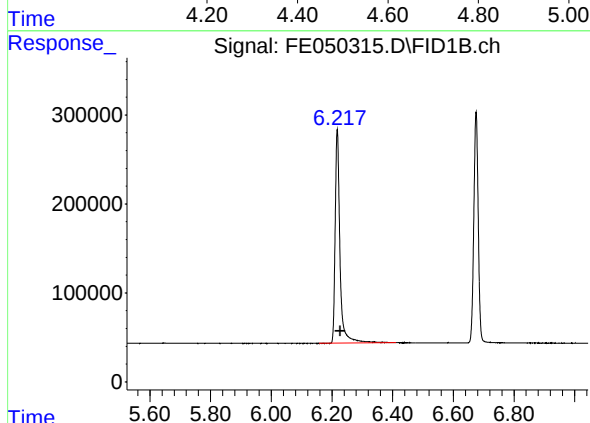
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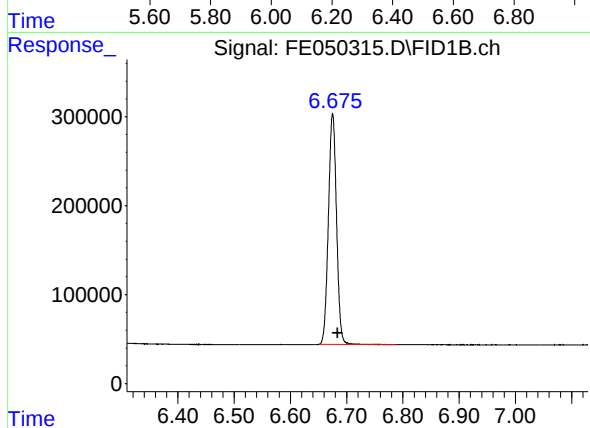
#2 n-Decane (C10)

R.T.: 4.508 min
Delta R.T.: -0.009 min
Response: 2601900
Conc: 18.85 ug/ml



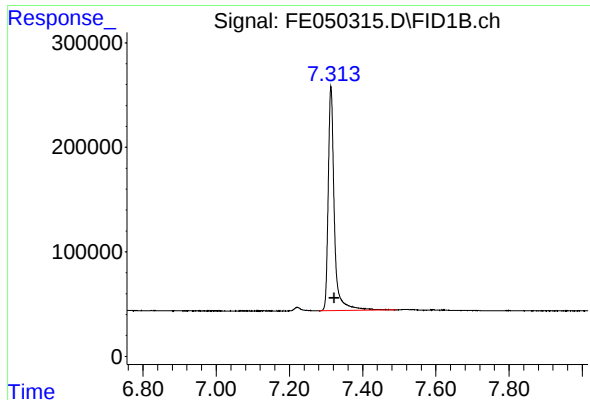
#3 A~Naphthalene (C11.7)

R.T.: 6.218 min
Delta R.T.: -0.009 min
Response: 2651492
Conc: 18.94 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.675 min
Delta R.T.: -0.009 min
Response: 2608911
Conc: 18.87 ug/ml



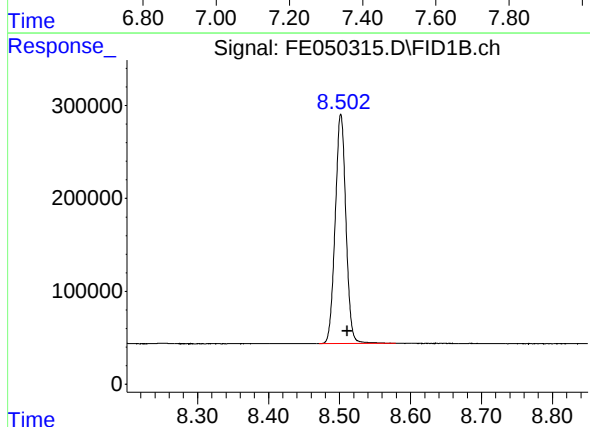
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.314 min
Delta R.T.: -0.010 min
Response: 2492110
Conc: 18.96 ug/ml

Instrument :
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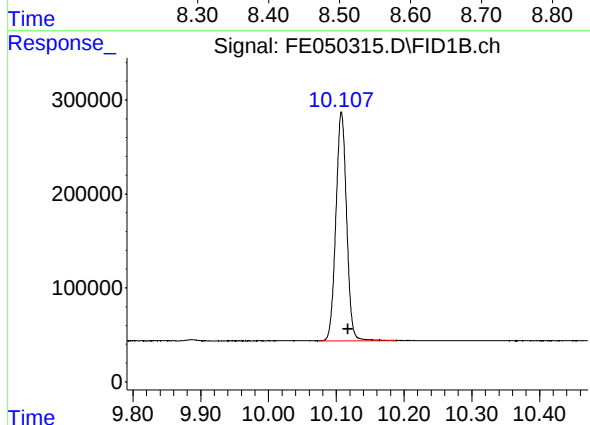
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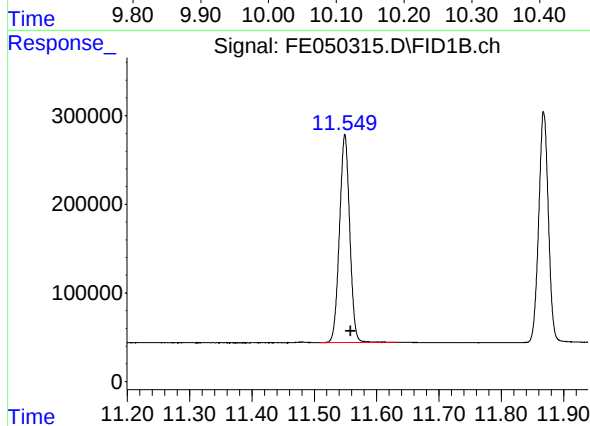
#6 n-Tetradecane (C14)

R.T.: 8.502 min
Delta R.T.: -0.009 min
Response: 2590920
Conc: 19.03 ug/ml



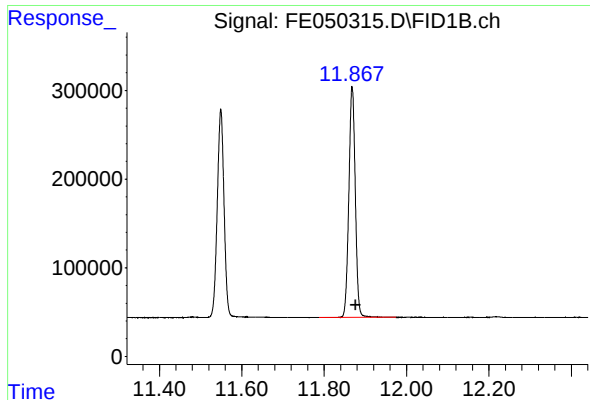
#7 n-Hexadecane (C16)

R.T.: 10.107 min
Delta R.T.: -0.010 min
Response: 2676790
Conc: 19.27 ug/ml m



#8 n-Octadecane (C18)

R.T.: 11.549 min
Delta R.T.: -0.009 min
Response: 2681615
Conc: 19.14 ug/ml



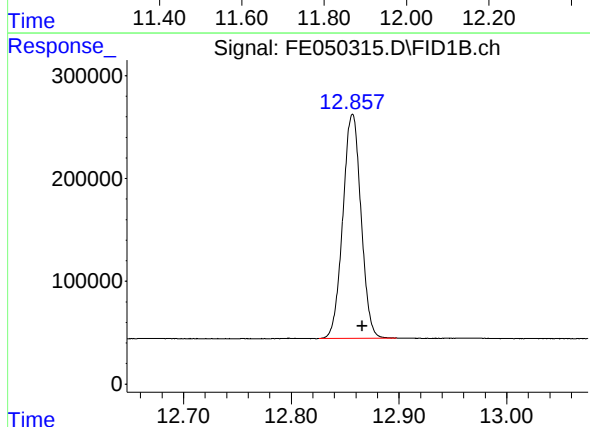
#9 ortho-Terphenyl (SURR)

R.T.: 11.868 min
Delta R.T.: -0.008 min
Response: 2812717
Conc: 18.91 ug/ml

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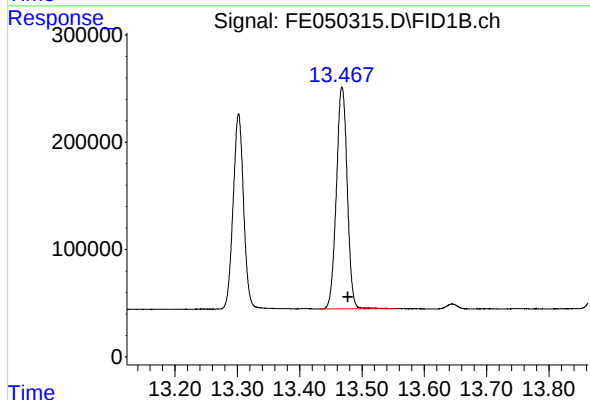
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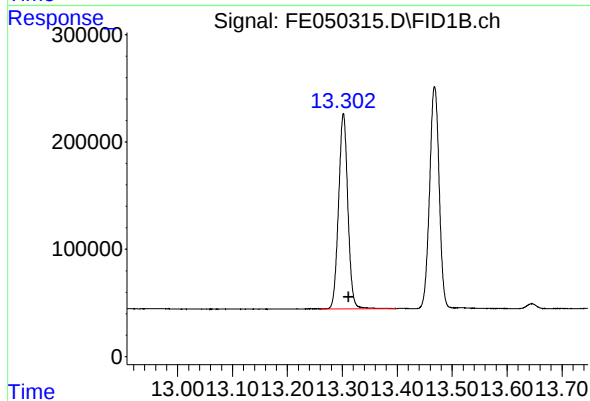
#10 n-Eicosane (C20)

R.T.: 12.857 min
Delta R.T.: -0.009 min
Response: 2557027
Conc: 19.06 ug/ml m



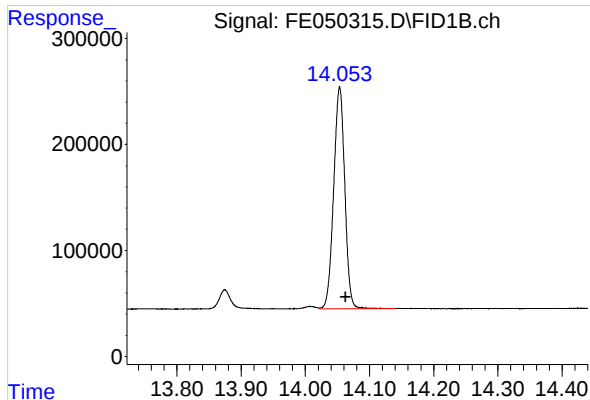
#11 n-Heneicosane (C21)

R.T.: 13.468 min
Delta R.T.: -0.009 min
Response: 2512579
Conc: 19.12 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.302 min
Delta R.T.: -0.010 min
Response: 2139769
Conc: 19.05 ug/ml



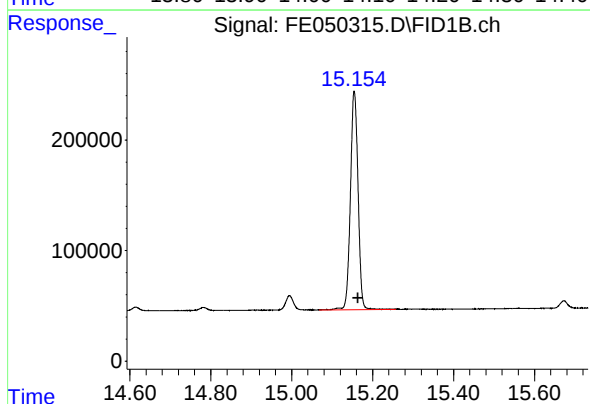
#13 n-Docosane (C22)

R.T.: 14.053 min
Delta R.T.: -0.009 min
Response: 2519804
Conc: 19.35 ug/ml

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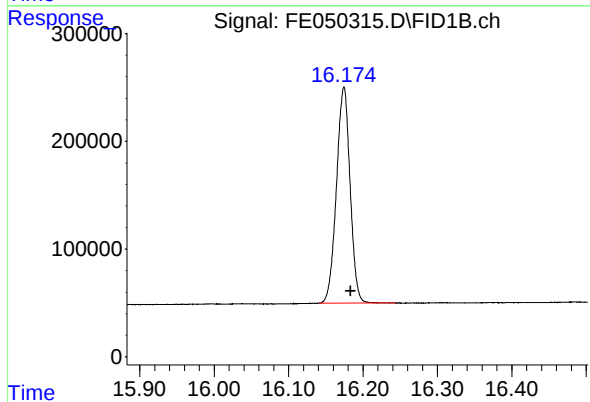
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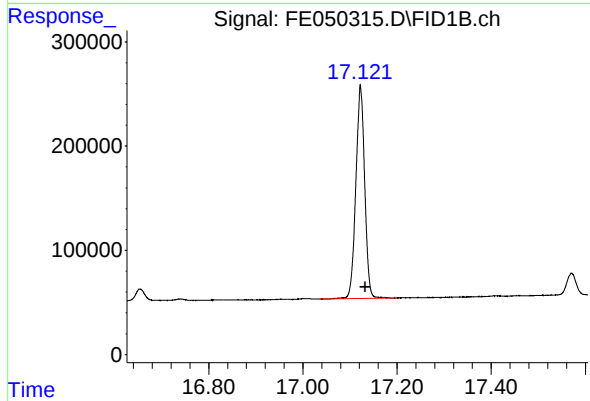
#14 n-Tetracosane (C24)

R.T.: 15.155 min
Delta R.T.: -0.009 min
Response: 2587350
Conc: 19.81 ug/ml



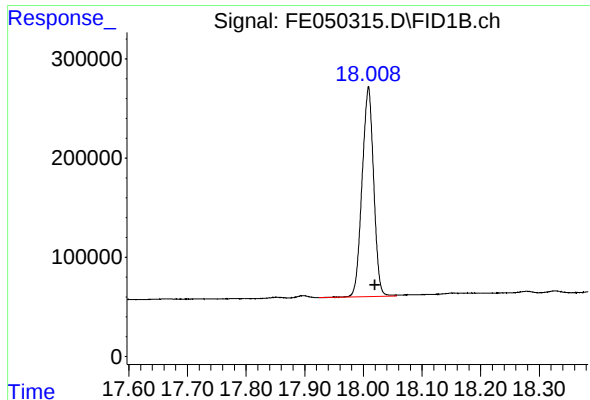
#15 n-Hexacosane (C26)

R.T.: 16.174 min
Delta R.T.: -0.010 min
Response: 2555036
Conc: 19.97 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.122 min
Delta R.T.: -0.011 min
Response: 2674075
Conc: 20.76 ug/ml



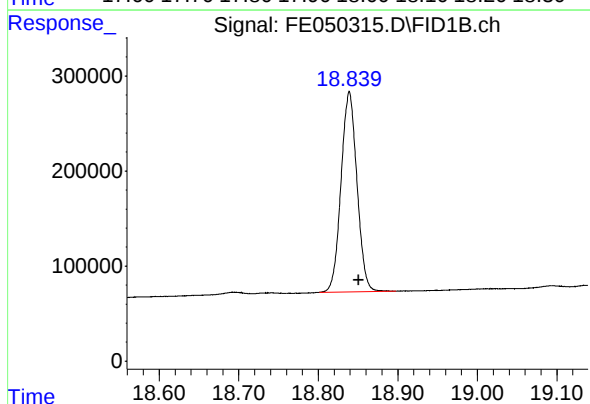
#17 n-Tricontane (C30)

R.T.: 18.008 min
Delta R.T.: -0.011 min
Response: 2907024
Conc: 21.74 ug/ml

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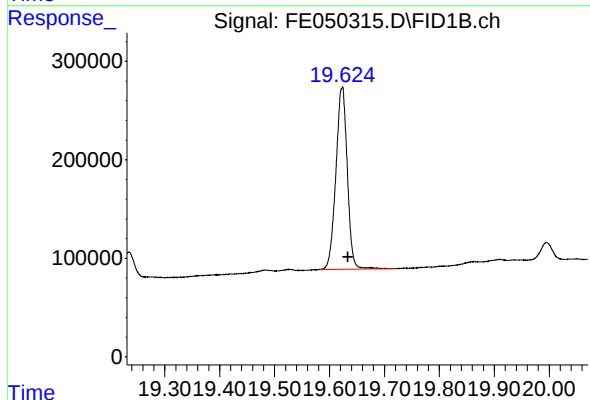
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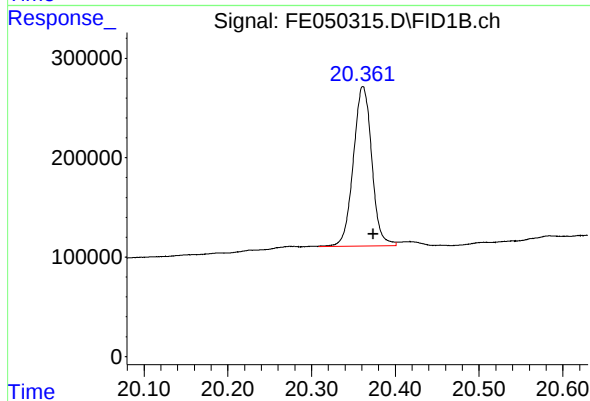
#18 n-Dotriacontane (C32)

R.T.: 18.839 min
Delta R.T.: -0.012 min
Response: 2928656
Conc: 21.98 ug/ml



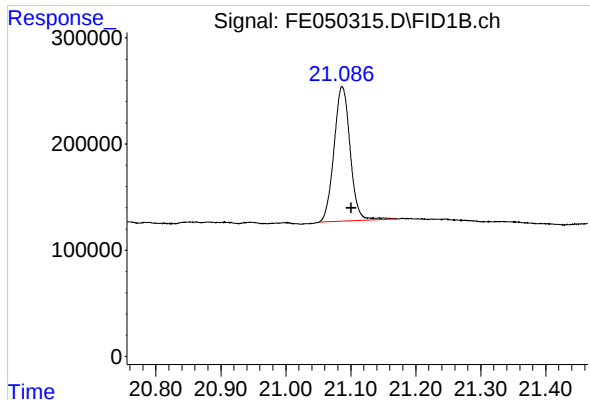
#19 n-Tetratriacontane (C34)

R.T.: 19.623 min
Delta R.T.: -0.011 min
Response: 2668059
Conc: 21.59 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.361 min
Delta R.T.: -0.013 min
Response: 2452505
Conc: 22.10 ug/ml m



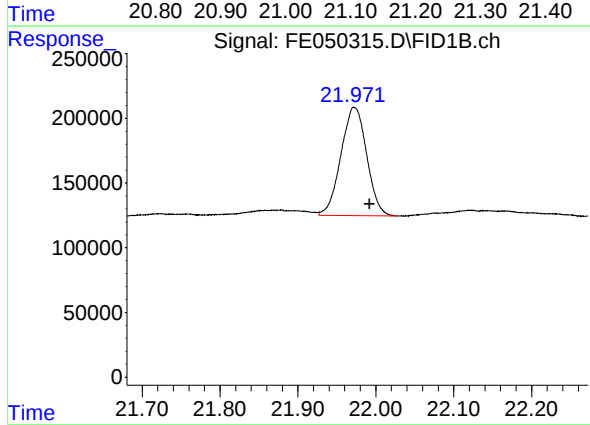
#21 n-Octatriacontane (C38)

R.T.: 21.087 min
Delta R.T.: -0.014 min
Response: 2188049
Conc: 19.84 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.971 min
Delta R.T.: -0.022 min
Response: 1932495
Conc: 17.76 ug/ml m