

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F111324AL\
 Data File : FC067729.D
 Signal(s) : FID1A.ch
 Acq On : 13 Nov 2024 06:06
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/14/2024
 Supervised By :Ankita Jodhani 11/14/2024

Integration File: autoint1.e
 Quant Time: Nov 14 01:16:29 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 23 18:12:58 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)	11.486	2967170	20.222 ug/ml
Spiked Amount 50.000		Recovery =	40.44%
12) S 1-chlorooctadecane (S...	12.924	2220245	20.560 ug/ml
Spiked Amount 50.000		Recovery =	41.12%
Target Compounds			
1) T n-Nonane (C9)	3.269	2723236	20.214 ug/ml
2) T n-Decane (C10)	4.333	2773227	20.355 ug/ml
3) T A~Naphthalene (C11.7)	5.910	3029141	20.441 ug/ml
4) T n-Dodecane (C12)	6.347	2756725	20.353 ug/ml
5) T A~2-methylnaphthalene...	6.964	2890507	20.468 ug/ml
6) T n-Tetradecane (C14)	8.139	2685705	20.461 ug/ml
7) T n-Hexadecane (C16)	9.736	2714545	20.549 ug/ml
8) T n-Octadecane (C18)	11.175	2717579	20.570 ug/ml
10) T n-Eicosane (C20)	12.481	2573510	20.396 ug/ml
11) T n-Heneicosane (C21)	13.092	2520666	20.424 ug/ml
13) T n-Docosane (C22)	13.677	2509427	20.494 ug/ml
14) T n-Tetracosane (C24)	14.778	2498278	20.611 ug/ml
15) T n-Hexacosane (C26)	15.797	2454244	20.614 ug/ml
16) T n-Octacosane (C28)	16.745	2471794	21.010 ug/ml
17) T n-Tricontane (C30)	17.631	2616724	21.649 ug/ml
18) T n-Dotriacontane (C32)	18.463	2598953	21.965 ug/ml
19) T n-Tetratriacontane (C34)	19.243	2296638	21.930 ug/ml
20) T n-Hexatriacontane (C36)	19.981	1985371	21.811 ug/ml
21) T n-Octatriacontane (C38)	20.700	1841091	21.259 ug/mlm
22) T n-Tetracontane (C40)	21.581	1778323	20.919 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 2 Sample Multiplier: 1

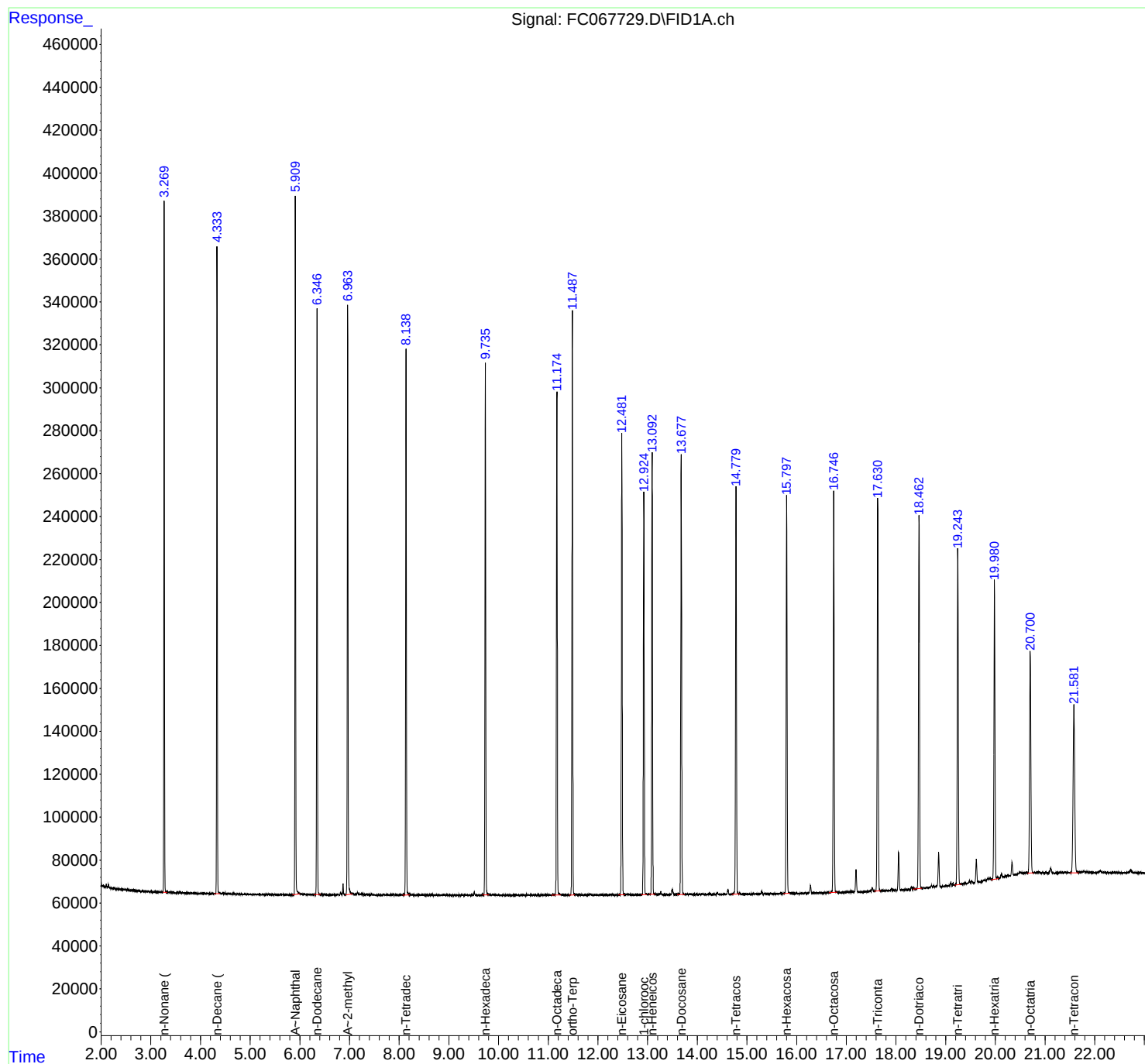
Instrument :
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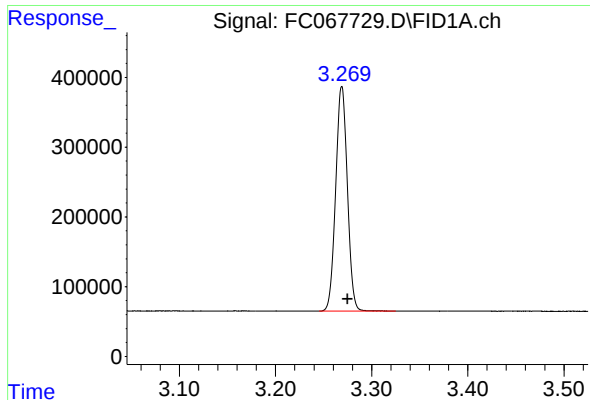
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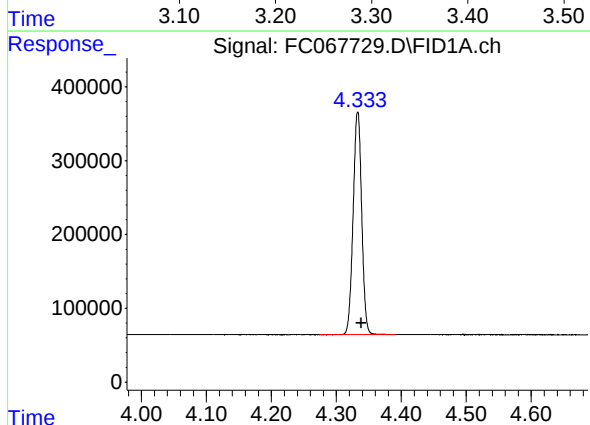
#1 n-Nonane (C9)

R.T.: 3.269 min
Delta R.T.: -0.006 min
Response: 2723236
Conc: 20.21 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

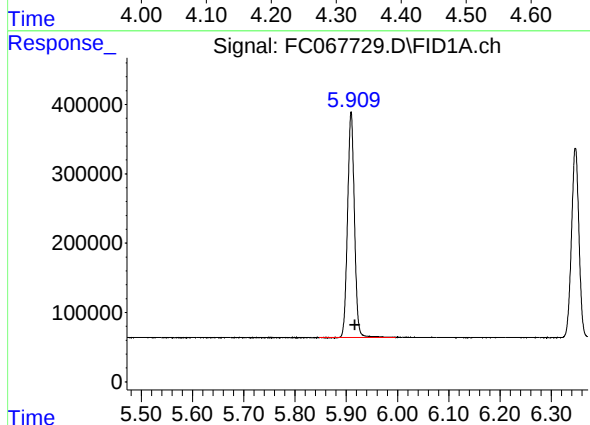
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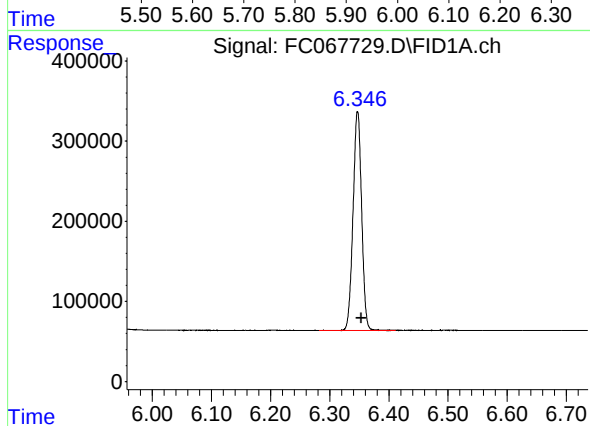
#2 n-Decane (C10)

R.T.: 4.333 min
Delta R.T.: -0.006 min
Response: 2773227
Conc: 20.35 ug/ml



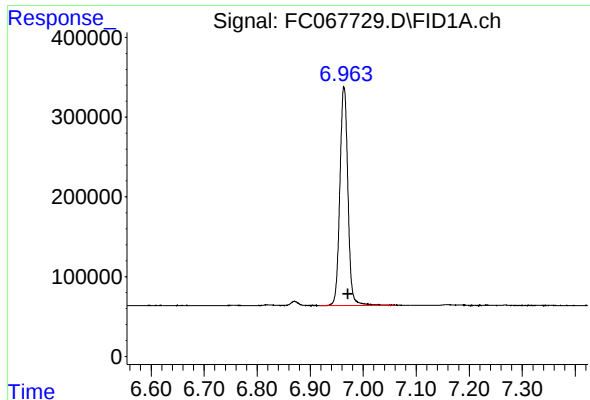
#3 A~Naphthalene (C11.7)

R.T.: 5.910 min
Delta R.T.: -0.007 min
Response: 3029141
Conc: 20.44 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.347 min
Delta R.T.: -0.007 min
Response: 2756725
Conc: 20.35 ug/ml



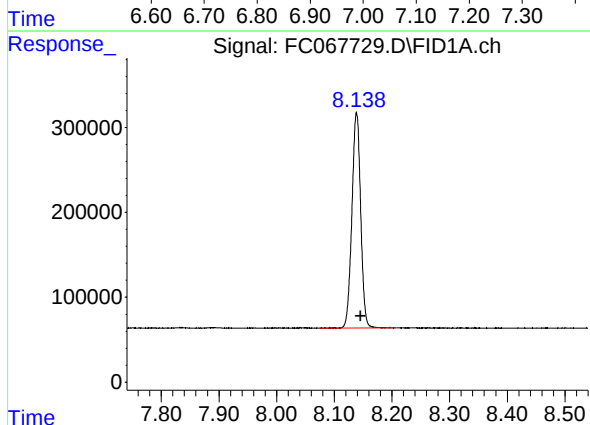
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.964 min
Delta R.T.: -0.007 min
Response: 2890507
Conc: 20.47 ug/ml

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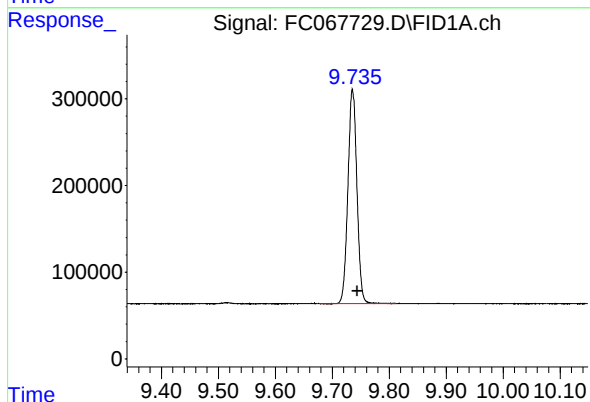
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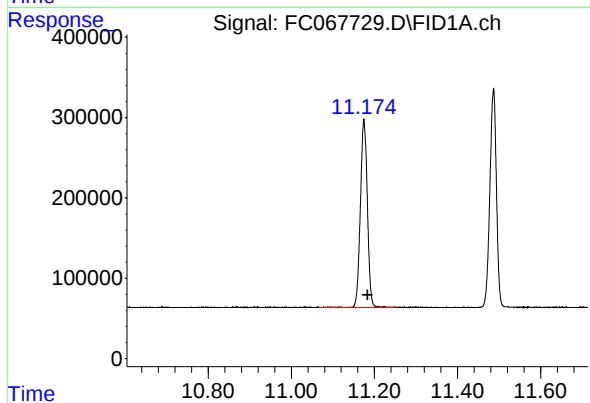
#6 n-Tetradecane (C14)

R.T.: 8.139 min
Delta R.T.: -0.007 min
Response: 2685705
Conc: 20.46 ug/ml



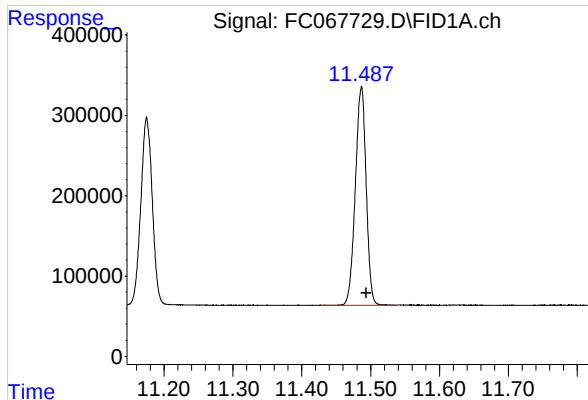
#7 n-Hexadecane (C16)

R.T.: 9.736 min
Delta R.T.: -0.008 min
Response: 2714545
Conc: 20.55 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.175 min
Delta R.T.: -0.009 min
Response: 2717579
Conc: 20.57 ug/ml



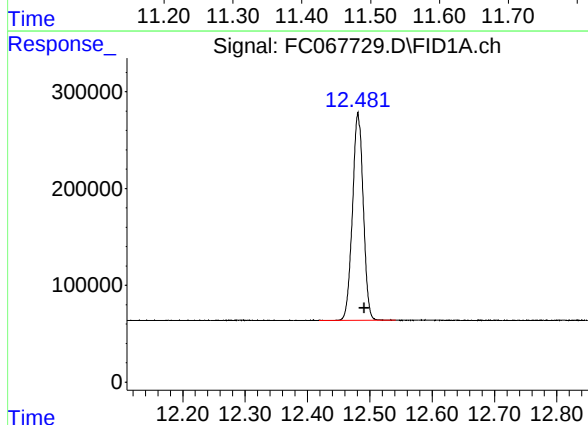
#9 ortho-Terphenyl (SURR)

R.T.: 11.486 min
Delta R.T.: -0.008 min
Response: 2967170
Conc: 20.22 ug/ml

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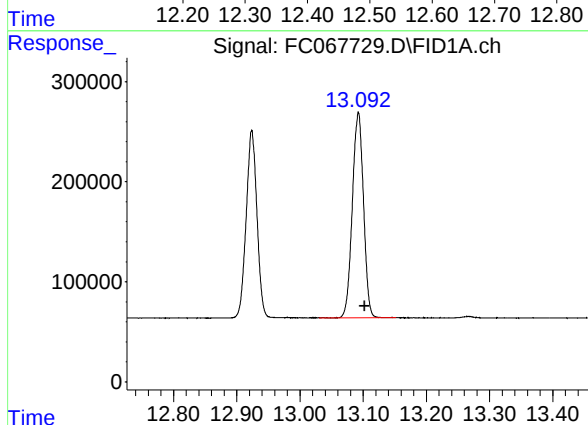
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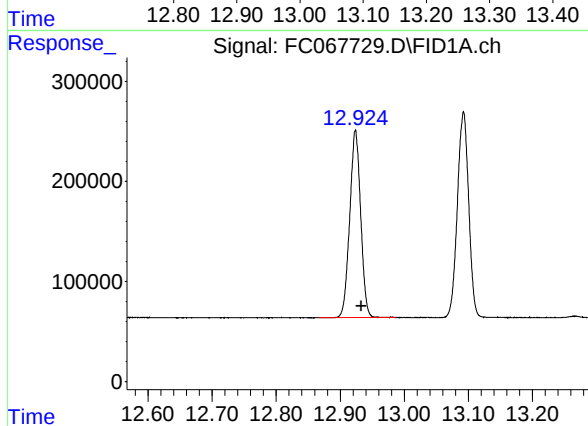
#10 n-Eicosane (C20)

R.T.: 12.481 min
Delta R.T.: -0.010 min
Response: 2573510
Conc: 20.40 ug/ml



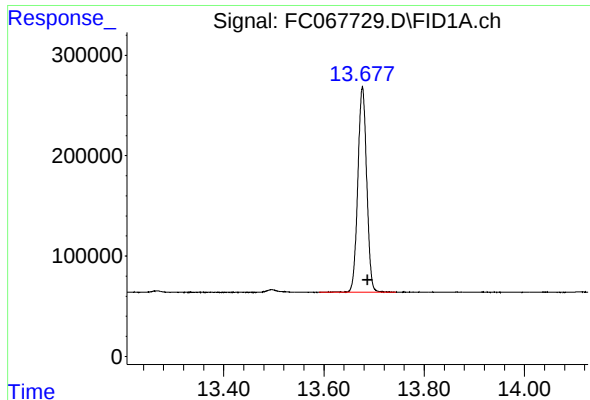
#11 n-Heneicosane (C21)

R.T.: 13.092 min
Delta R.T.: -0.010 min
Response: 2520666
Conc: 20.42 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.924 min
Delta R.T.: -0.009 min
Response: 2220245
Conc: 20.56 ug/ml



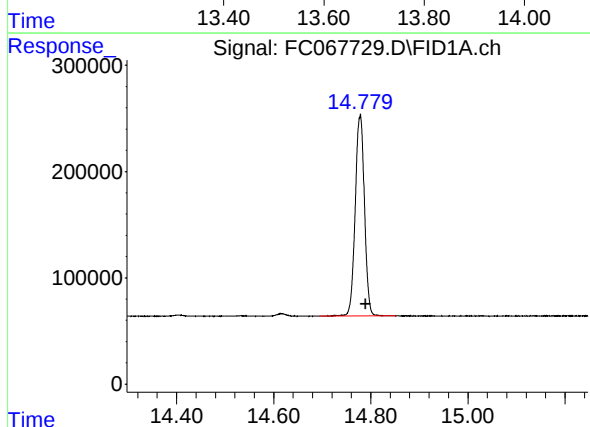
#13 n-Docosane (C22)

R.T.: 13.677 min
Delta R.T.: -0.011 min
Response: 2509427
Conc: 20.49 ug/ml

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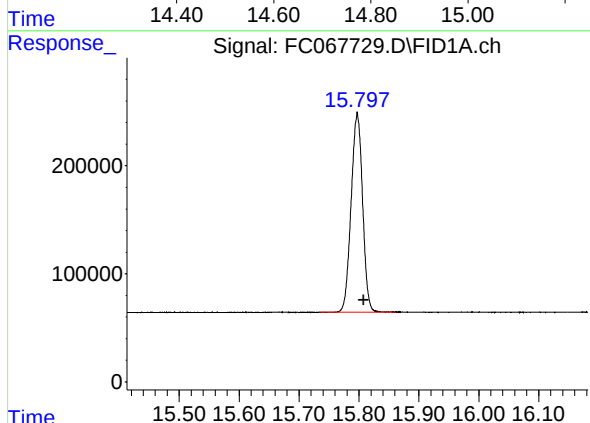
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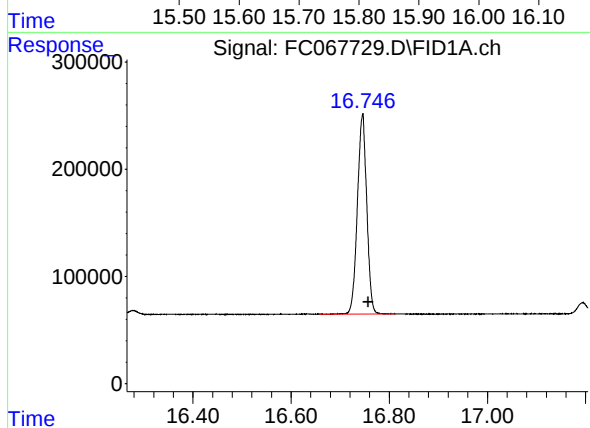
#14 n-Tetracosane (C24)

R.T.: 14.778 min
Delta R.T.: -0.011 min
Response: 2498278
Conc: 20.61 ug/ml



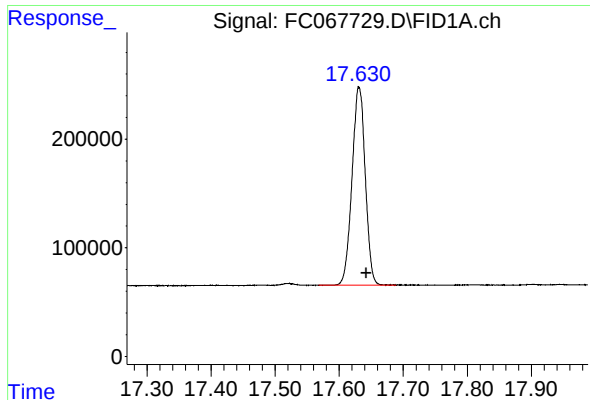
#15 n-Hexacosane (C26)

R.T.: 15.797 min
Delta R.T.: -0.010 min
Response: 2454244
Conc: 20.61 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.745 min
Delta R.T.: -0.012 min
Response: 2471794
Conc: 21.01 ug/ml



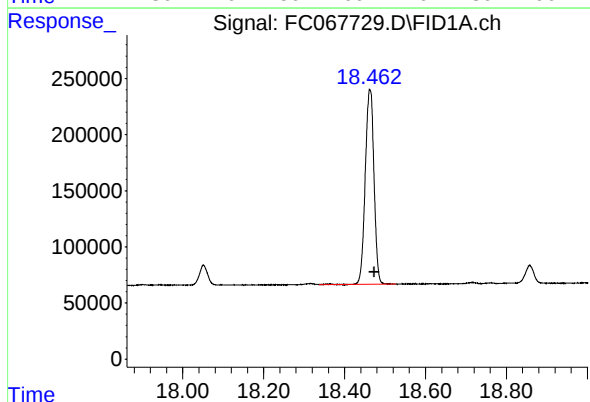
#17 n-Tricontane (C30)

R.T.: 17.631 min
Delta R.T.: -0.012 min
Response: 2616724
Conc: 21.65 ug/ml

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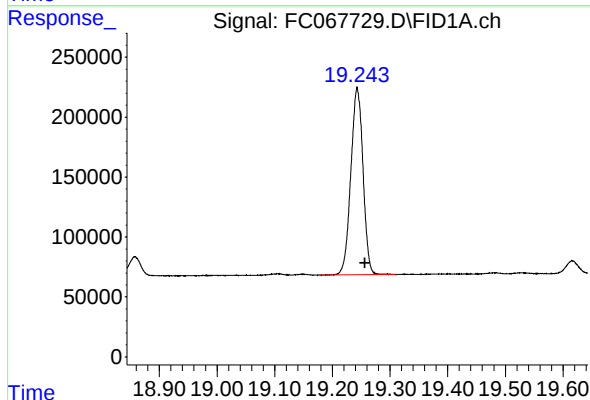
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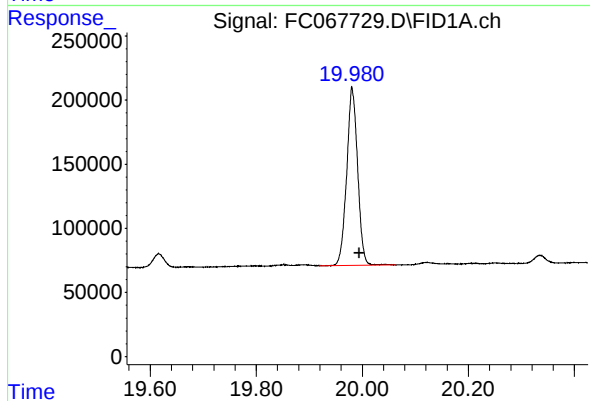
#18 n-Dotriacontane (C32)

R.T.: 18.463 min
Delta R.T.: -0.011 min
Response: 2598953
Conc: 21.97 ug/ml



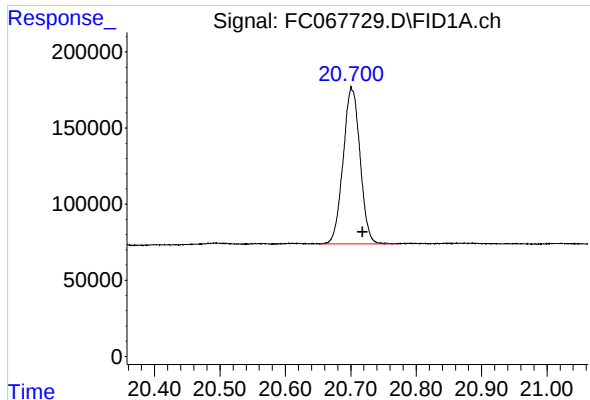
#19 n-Tetratriacontane (C34)

R.T.: 19.243 min
Delta R.T.: -0.013 min
Response: 2296638
Conc: 21.93 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.981 min
Delta R.T.: -0.013 min
Response: 1985371
Conc: 21.81 ug/ml



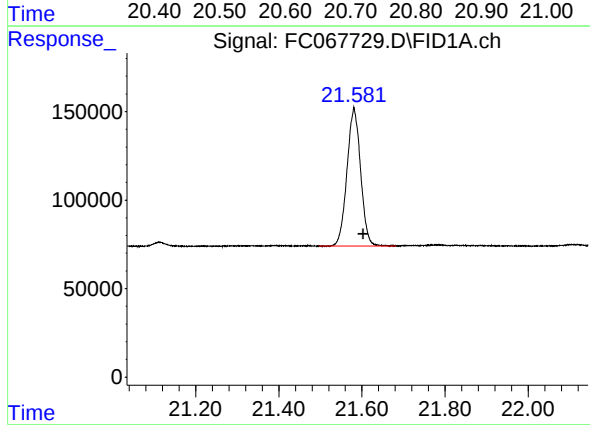
#21 n-Octatriacontane (C38)

R.T.: 20.700 min
Delta R.T.: -0.018 min
Response: 1841091
Conc: 21.26 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.581 min
Delta R.T.: -0.023 min
Response: 1778323
Conc: 20.92 ug/ml