

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC092624AL\
 Data File : FC067291.D
 Signal(s) : FID1A.ch
 Acq On : 27 Sep 2024 03:38
 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 09/27/2024
 Supervised By :Ankita Jodhani 09/27/2024

Integration File: autoint1.e
 Quant Time: Sep 27 04:21:31 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 11 02:55:44 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)	11.499	2616288	18.789 ug/ml
Spiked Amount 50.000		Recovery =	37.58%
12) S 1-chlorooctadecane (S...	12.938	1889314	19.341 ug/ml
Spiked Amount 50.000		Recovery =	38.68%
Target Compounds			
1) T n-Nonane (C9)	3.275	2446494	18.444 ug/ml
2) T n-Decane (C10)	4.340	2525442	18.803 ug/ml
3) T A~Naphthalene (C11.7)	5.918	2647271	18.626 ug/ml
4) T n-Dodecane (C12)	6.356	2521343	18.836 ug/ml
5) T A~2-methylnaphthalene...	6.973	2499655	18.719 ug/ml
6) T n-Tetradecane (C14)	8.148	2462136	19.105 ug/ml
7) T n-Hexadecane (C16)	9.747	2482400	19.254 ug/ml
8) T n-Octadecane (C18)	11.188	2475088	19.345 ug/ml
10) T n-Eicosane (C20)	12.495	2317050	19.290 ug/ml
11) T n-Heneicosane (C21)	13.107	2262936	19.375 ug/ml
13) T n-Docosane (C22)	13.691	2270714	19.667 ug/ml
14) T n-Tetracosane (C24)	14.793	2389725	21.043 ug/ml
15) T n-Hexacosane (C26)	15.813	2376086	21.439 ug/ml
16) T n-Octacosane (C28)	16.761	2474818	22.911 ug/ml
17) T n-Tricontane (C30)	17.649	2626845	24.150 ug/ml
18) T n-Dotriacontane (C32)	18.480	2555708	24.502 ug/mlm
19) T n-Tetratriacontane (C34)	19.262	2125031	23.033 ug/ml
20) T n-Hexatriacontane (C36)	20.000	1679419	21.192 ug/ml
21) T n-Octatriacontane (C38)	20.725	1435812	19.115 ug/ml
22) T n-Tetracontane (C40)	21.614	1244677	17.816 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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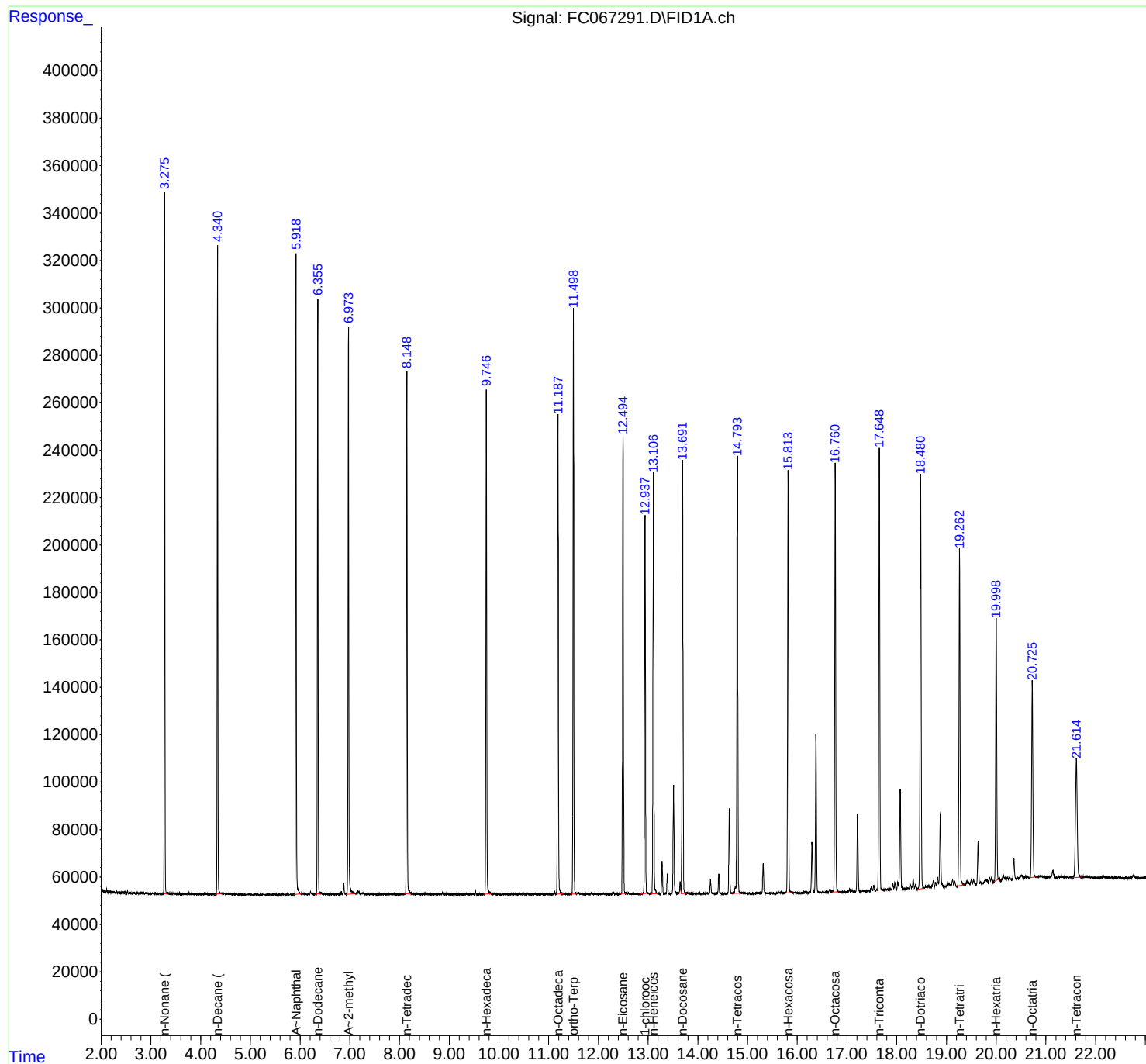
Instrument :
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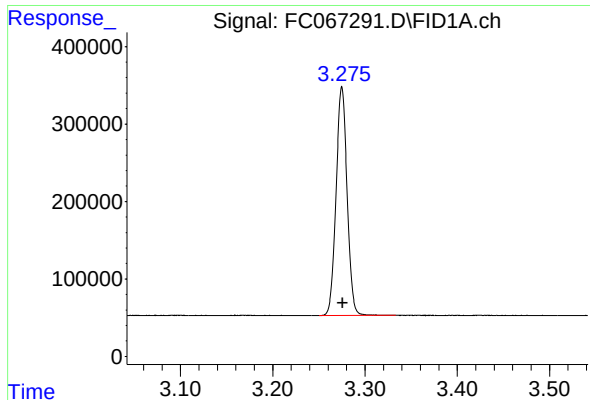
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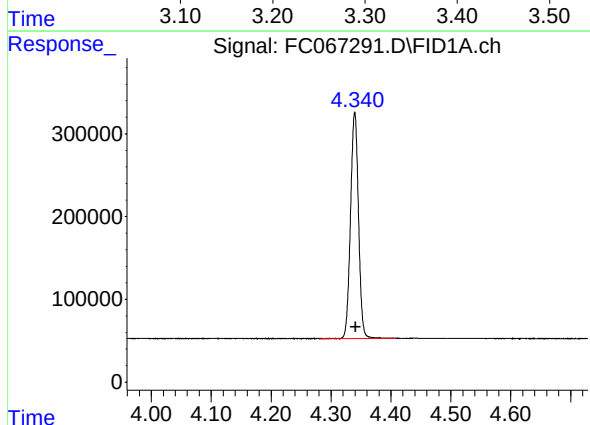
#1 n-Nonane (C9)

R.T.: 3.275 min
Delta R.T.: -0.001 min
Response: 2446494
Conc: 18.44 ug/ml

Instrument :
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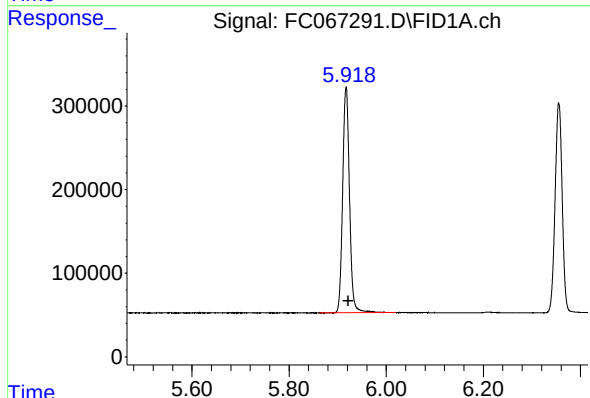
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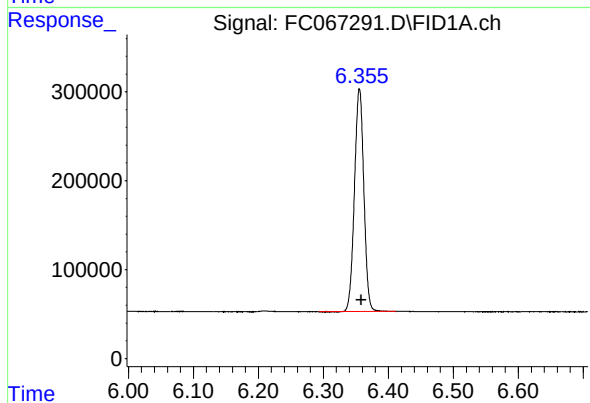
#2 n-Decane (C10)

R.T.: 4.340 min
Delta R.T.: -0.001 min
Response: 2525442
Conc: 18.80 ug/ml



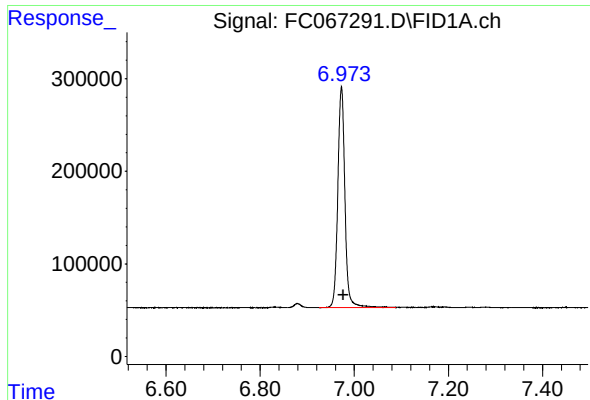
#3 A~Naphthalene (C11.7)

R.T.: 5.918 min
Delta R.T.: -0.004 min
Response: 2647271
Conc: 18.63 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.356 min
Delta R.T.: -0.003 min
Response: 2521343
Conc: 18.84 ug/ml



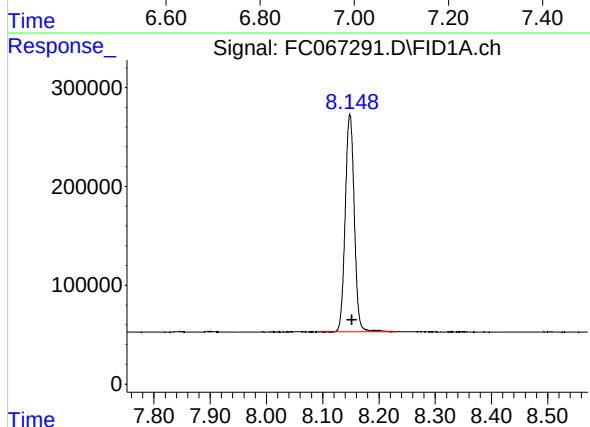
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.973 min
Delta R.T.: -0.004 min
Response: 2499655
Conc: 18.72 ug/ml

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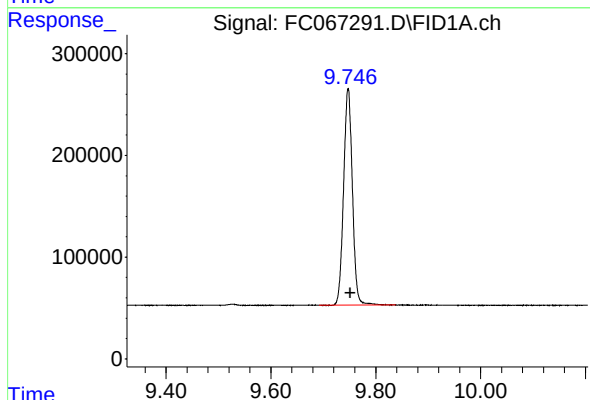
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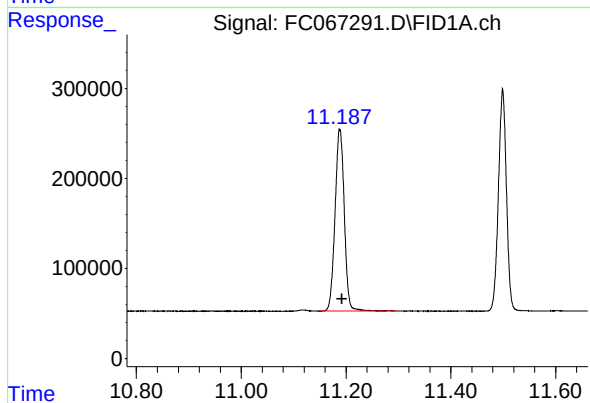
#6 n-Tetradecane (C14)

R.T.: 8.148 min
Delta R.T.: -0.004 min
Response: 2462136
Conc: 19.10 ug/ml



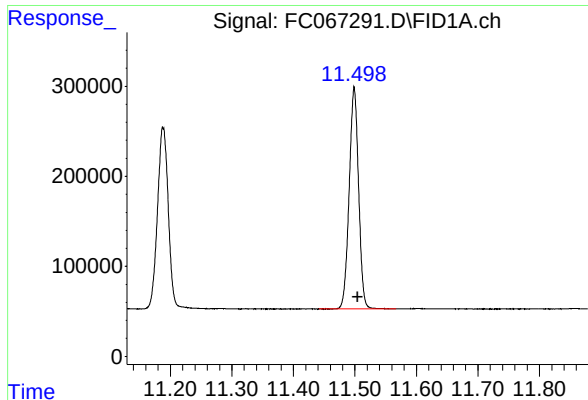
#7 n-Hexadecane (C16)

R.T.: 9.747 min
Delta R.T.: -0.004 min
Response: 2482400
Conc: 19.25 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.188 min
Delta R.T.: -0.005 min
Response: 2475088
Conc: 19.35 ug/ml



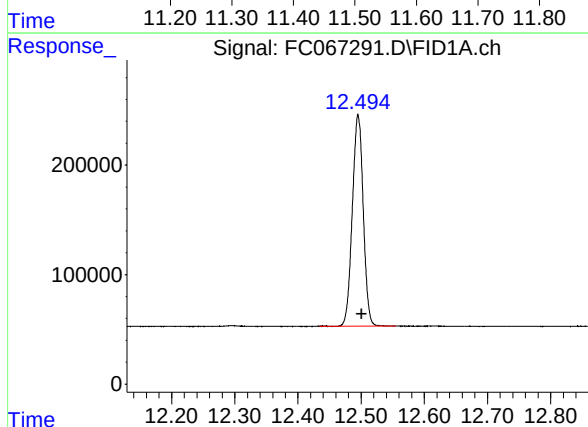
#9 ortho-Terphenyl (SURR)

R.T.: 11.499 min
Delta R.T.: -0.005 min
Response: 2616288
Conc: 18.79 ug/ml

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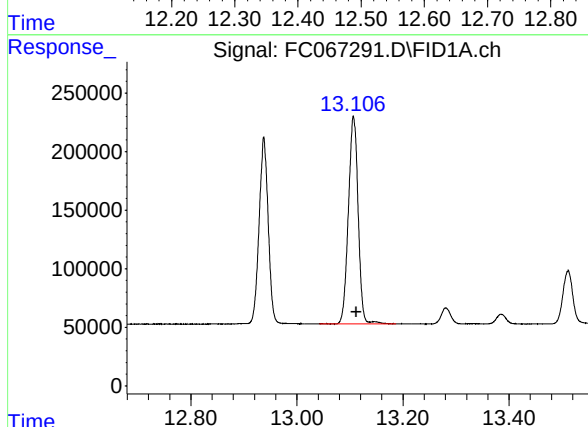
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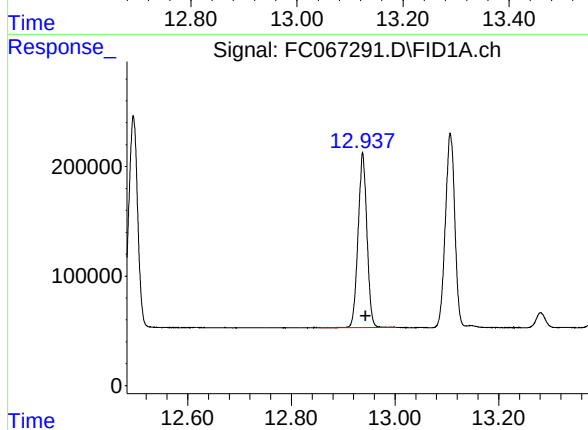
#10 n-Eicosane (C20)

R.T.: 12.495 min
Delta R.T.: -0.006 min
Response: 2317050
Conc: 19.29 ug/ml



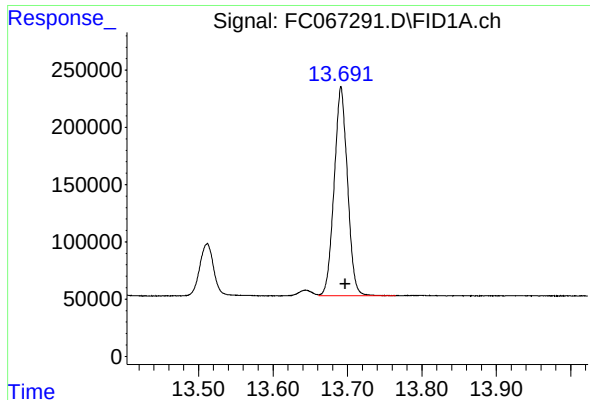
#11 n-Heneicosane (C21)

R.T.: 13.107 min
Delta R.T.: -0.005 min
Response: 2262936
Conc: 19.38 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.938 min
Delta R.T.: -0.006 min
Response: 1889314
Conc: 19.34 ug/ml



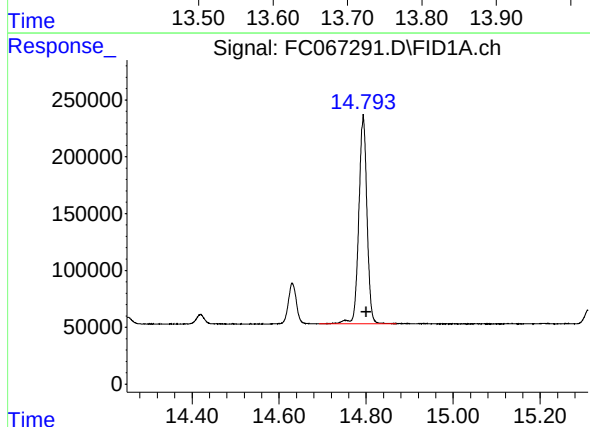
#13 n-Docosane (C22)

R.T.: 13.691 min
Delta R.T.: -0.006 min
Response: 2270714
Conc: 19.67 ug/ml

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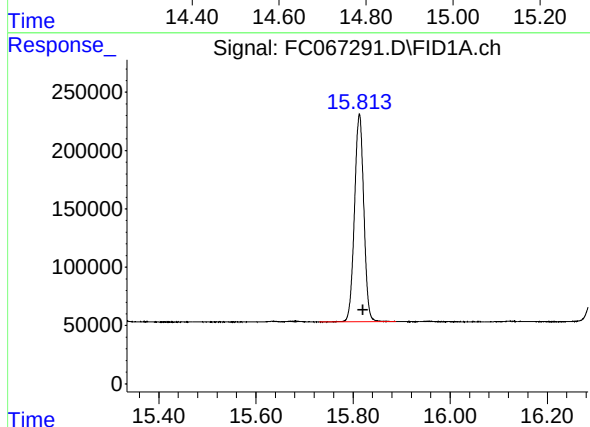
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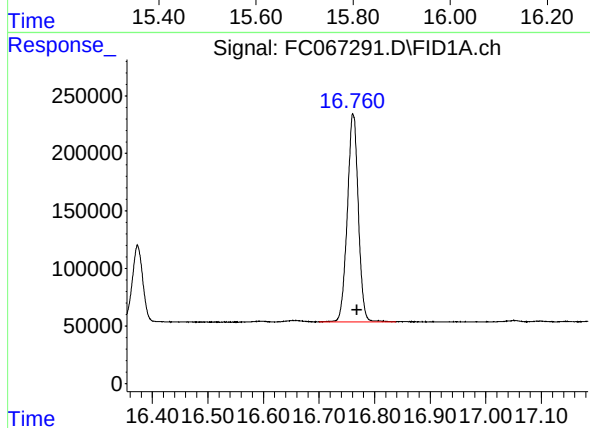
#14 n-Tetracosane (C24)

R.T.: 14.793 min
Delta R.T.: -0.008 min
Response: 2389725
Conc: 21.04 ug/ml



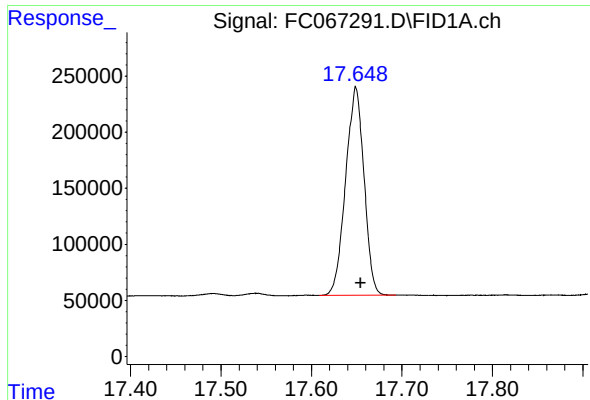
#15 n-Hexacosane (C26)

R.T.: 15.813 min
Delta R.T.: -0.007 min
Response: 2376086
Conc: 21.44 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.761 min
Delta R.T.: -0.007 min
Response: 2474818
Conc: 22.91 ug/ml



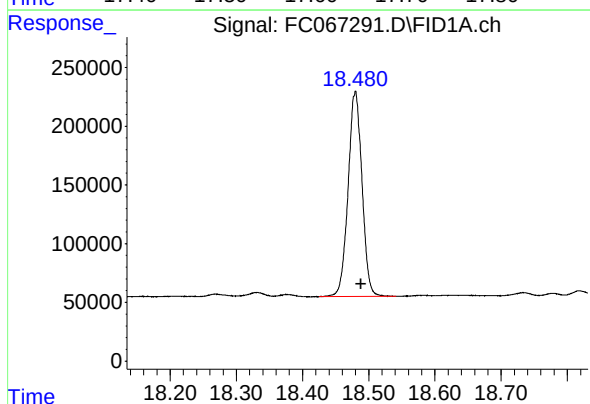
#17 n-Tricontane (C30)

R.T.: 17.649 min
Delta R.T.: -0.005 min
Response: 2626845
Conc: 24.15 ug/ml

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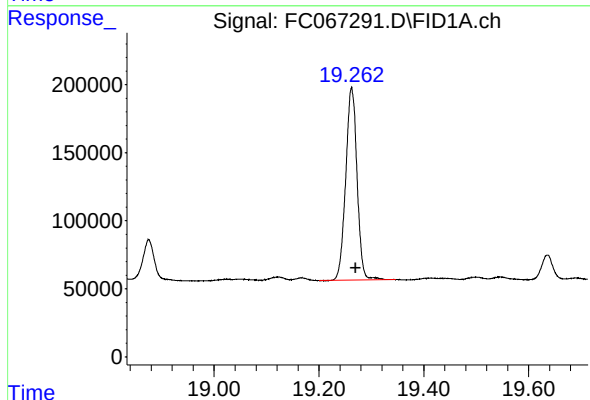
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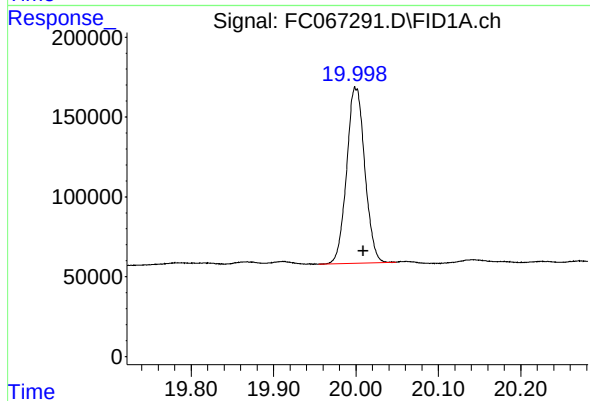
#18 n-Dotriacontane (C32)

R.T.: 18.480 min
Delta R.T.: -0.009 min
Response: 2555708
Conc: 24.50 ug/ml



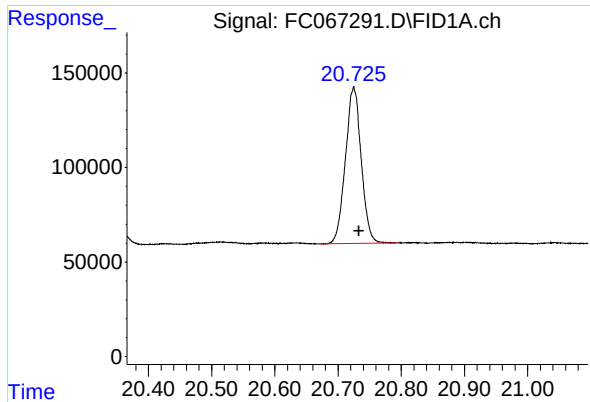
#19 n-Tetatriacontane (C34)

R.T.: 19.262 min
Delta R.T.: -0.007 min
Response: 2125031
Conc: 23.03 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.000 min
Delta R.T.: -0.009 min
Response: 1679419
Conc: 21.19 ug/ml



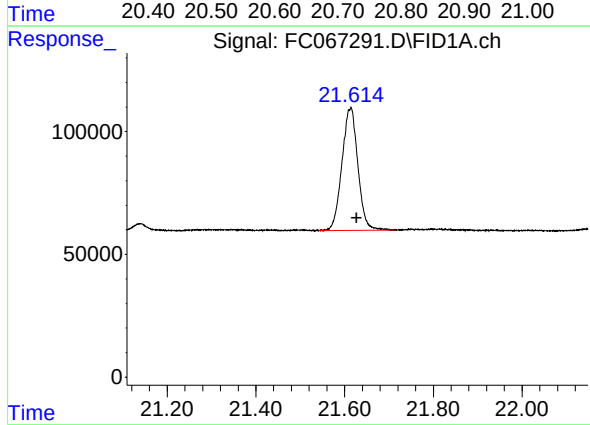
#21 n-Octatriacontane (C38)

R.T.: 20.725 min
Delta R.T.: -0.008 min
Response: 1435812
Conc: 19.11 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.614 min
Delta R.T.: -0.012 min
Response: 1244677
Conc: 17.82 ug/ml m