

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091024AL\
 Data File : FC067089.D
 Signal(s) : FID1A.ch
 Acq On : 09 Sep 2024 23:57
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/11/2024
 Supervised By :Ankita Jodhani 09/11/2024

Integration File: sample.E
 Quant Time: Sep 11 03:09:26 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)	11.505	2786101	20.009 ug/ml
Spiked Amount 50.000		Recovery =	40.02%
12) S 1-chlorooctadecane (S...	12.945	2055572	21.043 ug/ml
Spiked Amount 50.000		Recovery =	42.09%
Target Compounds			
1) T n-Nonane (C9)	3.276	2600121	19.602 ug/ml
2) T n-Decane (C10)	4.341	2635688	19.624 ug/ml
3) T A~Naphthalene (C11.7)	5.921	2829683	19.910 ug/ml
4) T n-Dodecane (C12)	6.359	2628049	19.633 ug/ml
5) T A~2-methylnaphthalene...	6.977	2691964	20.159 ug/ml
6) T n-Tetradecane (C14)	8.153	2554002	19.818 ug/ml
7) T n-Hexadecane (C16)	9.752	2565253	19.897 ug/ml
8) T n-Octadecane (C18)	11.193	2551653	19.944 ug/ml
10) T n-Eicosane (C20)	12.501	2411481	20.077 ug/ml
11) T n-Heneicosane (C21)	13.113	2346395	20.090 ug/ml
13) T n-Docosane (C22)	13.699	2328753	20.169 ug/ml
14) T n-Tetracosane (C24)	14.800	2289555	20.161 ug/ml
15) T n-Hexacosane (C26)	15.821	2231119	20.131 ug/ml
16) T n-Octacosane (C28)	16.769	2169113	20.081 ug/ml
17) T n-Tricontane (C30)	17.656	2176762	20.012 ug/ml
18) T n-Dotriacontane (C32)	18.487	2073102	19.875 ug/ml
19) T n-Tetratriacontane (C34)	19.270	1854660	20.103 ug/ml
20) T n-Hexatriacontane (C36)	20.009	1589642	20.059 ug/ml
21) T n-Octatriacontane (C38)	20.735	1554049	20.689 ug/ml
22) T n-Tetracontane (C40)	21.624	1667888	23.873 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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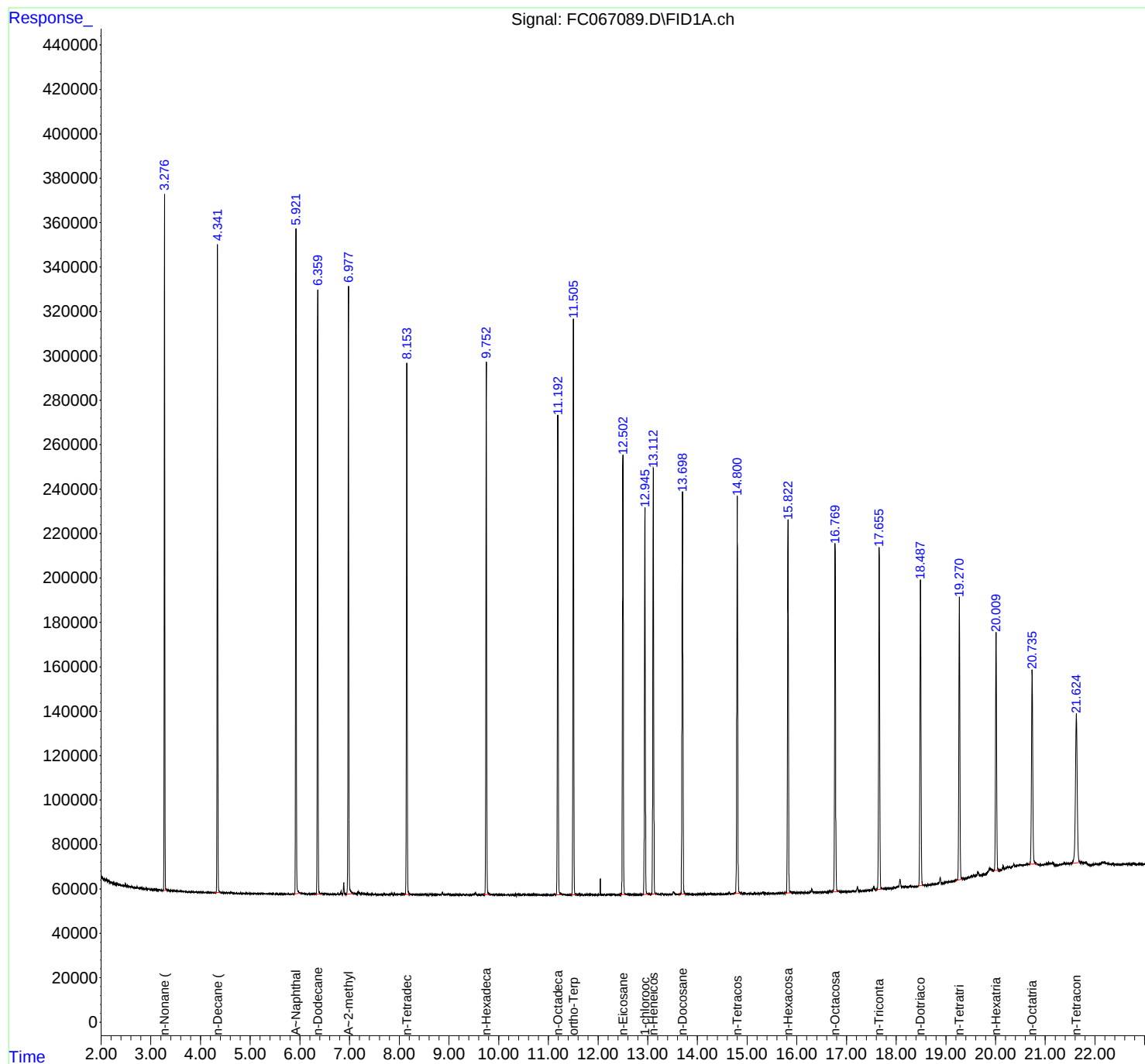
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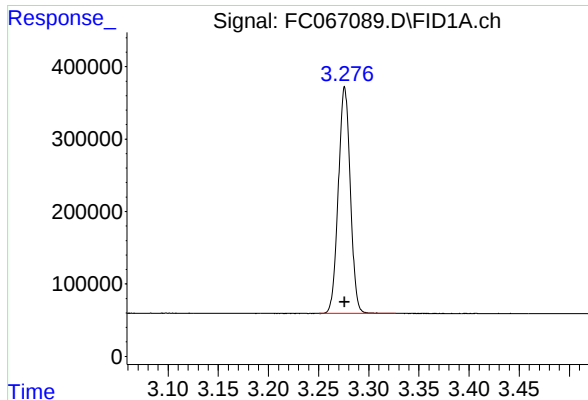
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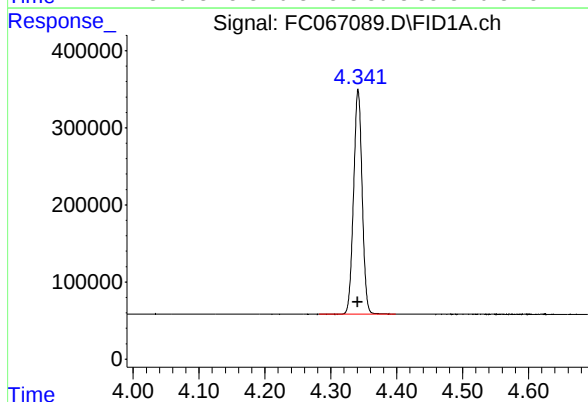
#1 n-Nonane (C9)

R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 2600121
Conc: 19.60 ug/ml

Instrument : FID_C
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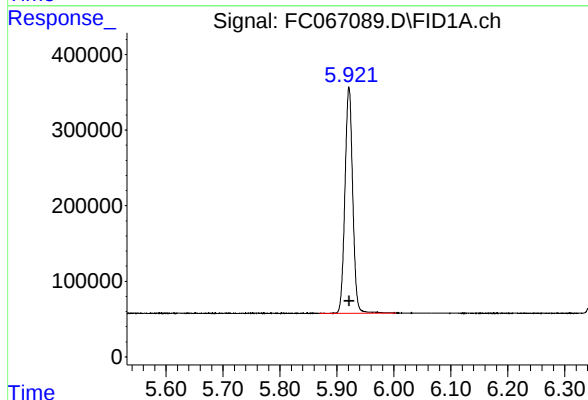
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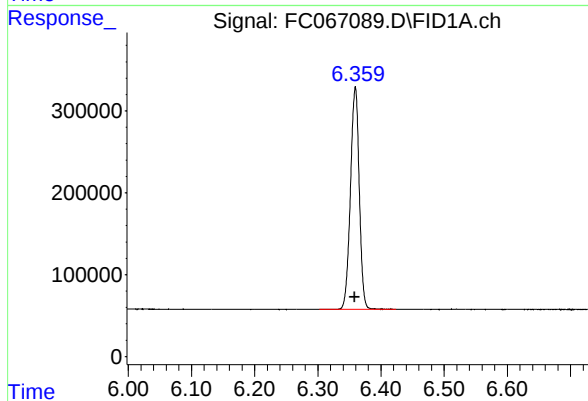
#2 n-Decane (C10)

R.T.: 4.341 min
Delta R.T.: 0.000 min
Response: 2635688
Conc: 19.62 ug/ml



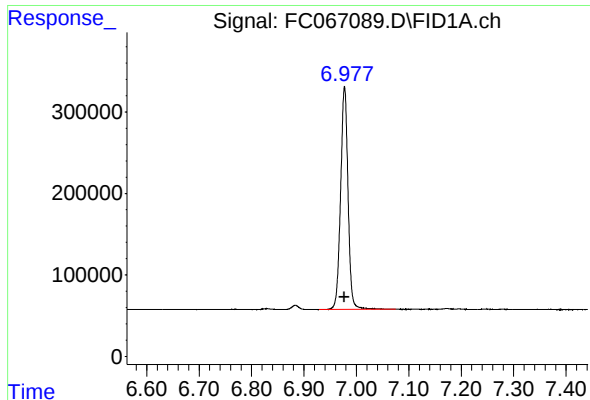
#3 A~Naphthalene (C11.7)

R.T.: 5.921 min
Delta R.T.: 0.000 min
Response: 2829683
Conc: 19.91 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.359 min
Delta R.T.: 0.000 min
Response: 2628049
Conc: 19.63 ug/ml



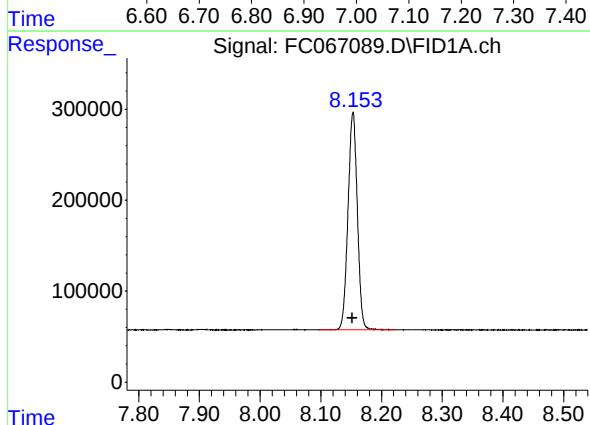
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.977 min
Delta R.T.: 0.000 min
Response: 2691964
Conc: 20.16 ug/ml

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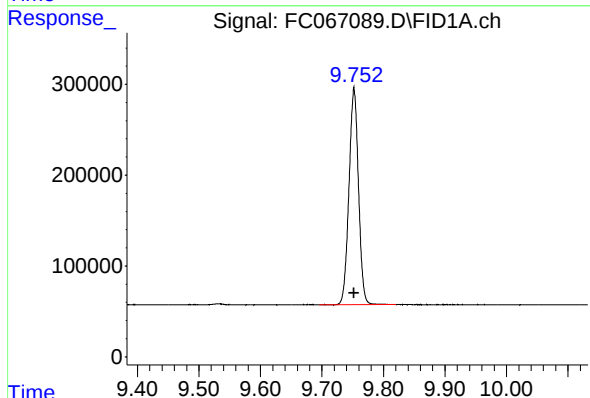
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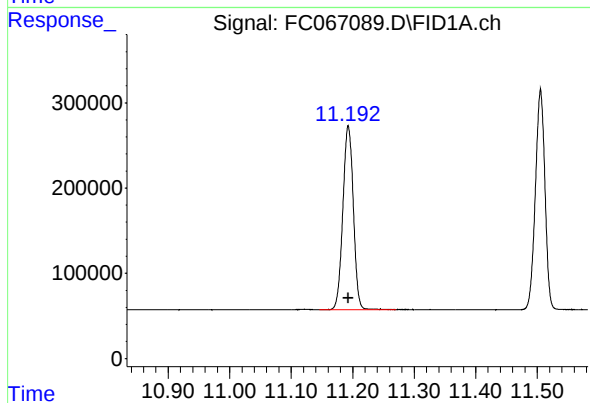
#6 n-Tetradecane (C14)

R.T.: 8.153 min
Delta R.T.: 0.001 min
Response: 2554002
Conc: 19.82 ug/ml



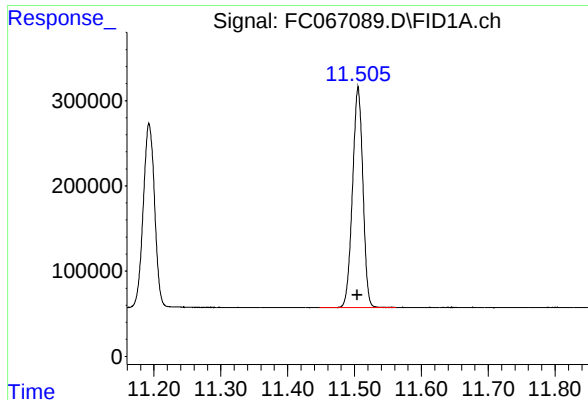
#7 n-Hexadecane (C16)

R.T.: 9.752 min
Delta R.T.: 0.000 min
Response: 2565253
Conc: 19.90 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.193 min
Delta R.T.: 0.000 min
Response: 2551653
Conc: 19.94 ug/ml



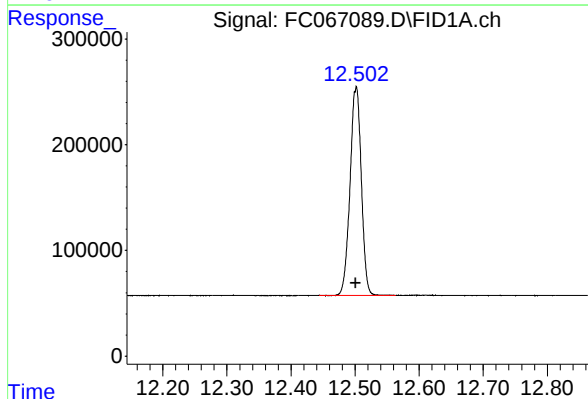
#9 ortho-Terphenyl (SURR)

R.T.: 11.505 min
Delta R.T.: 0.001 min
Response: 2786101
Conc: 20.01 ug/ml

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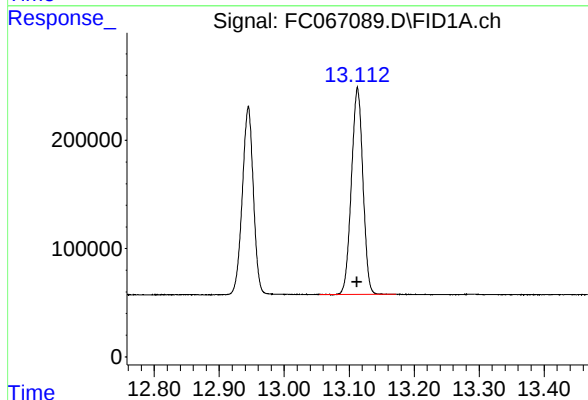
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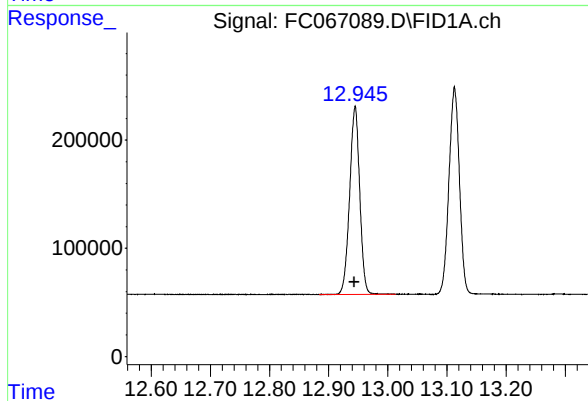
#10 n-Eicosane (C20)

R.T.: 12.501 min
Delta R.T.: 0.000 min
Response: 2411481
Conc: 20.08 ug/ml



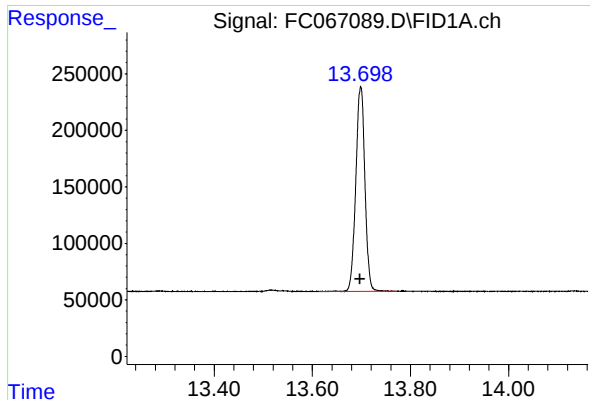
#11 n-Heneicosane (C21)

R.T.: 13.113 min
Delta R.T.: 0.001 min
Response: 2346395
Conc: 20.09 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.945 min
Delta R.T.: 0.001 min
Response: 2055572
Conc: 21.04 ug/ml



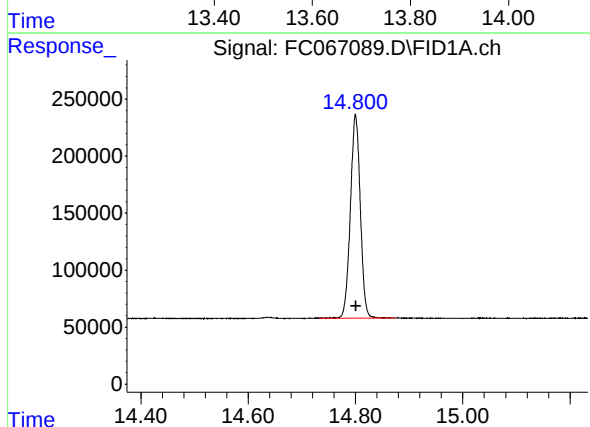
#13 n-Docosane (C22)

R.T.: 13.699 min
Delta R.T.: 0.001 min
Response: 2328753
Conc: 20.17 ug/ml

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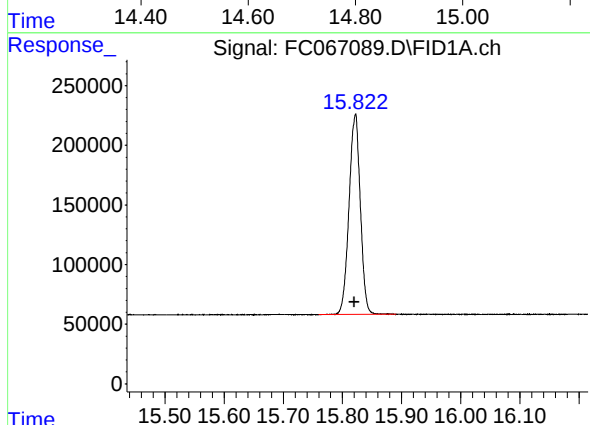
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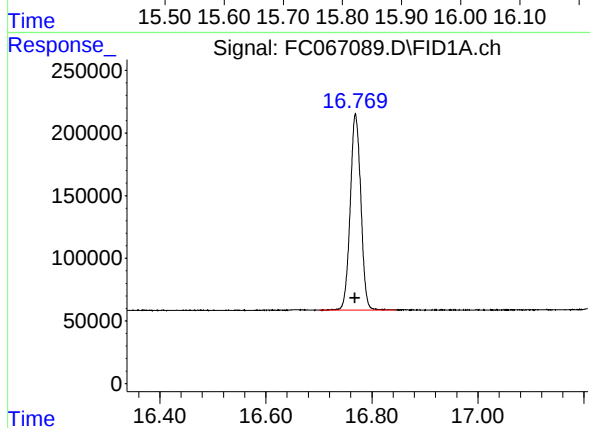
#14 n-Tetracosane (C24)

R.T.: 14.800 min
Delta R.T.: 0.000 min
Response: 2289555
Conc: 20.16 ug/ml



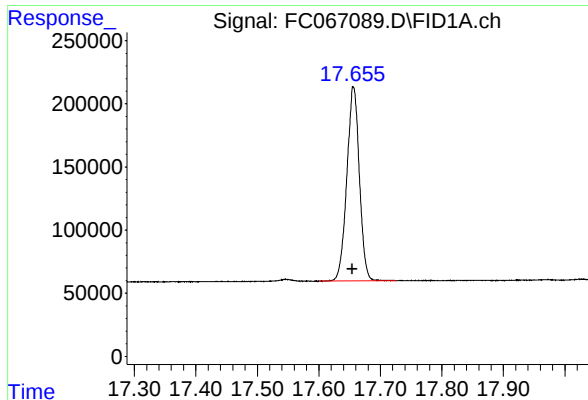
#15 n-Hexacosane (C26)

R.T.: 15.821 min
Delta R.T.: 0.001 min
Response: 2231119
Conc: 20.13 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.769 min
Delta R.T.: 0.001 min
Response: 2169113
Conc: 20.08 ug/ml



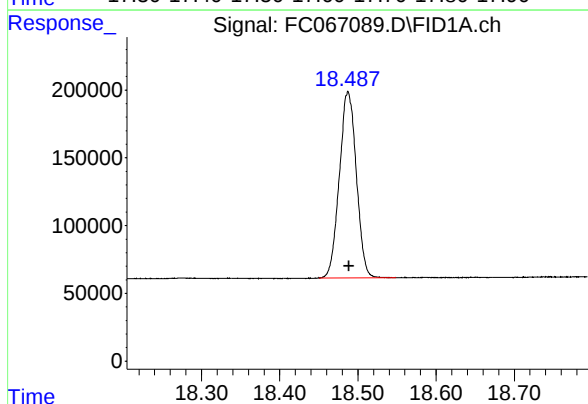
#17 n-Tricontane (C30)

R.T.: 17.656 min
Delta R.T.: 0.002 min
Response: 2176762
Conc: 20.01 ug/ml

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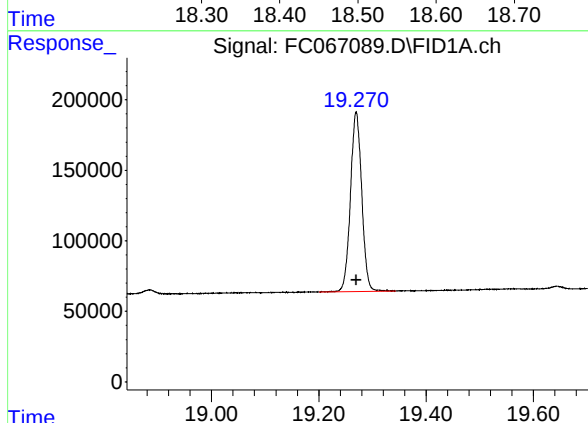
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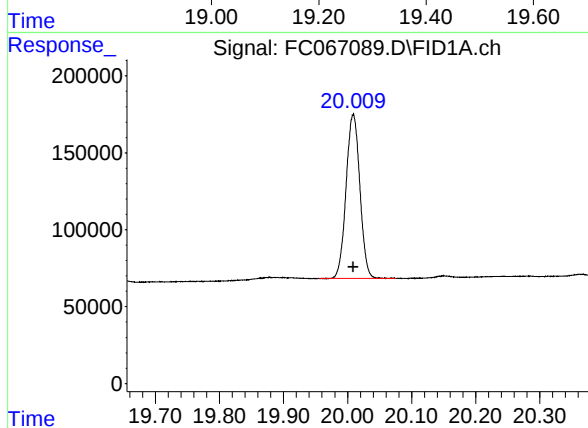
#18 n-Dotriacontane (C32)

R.T.: 18.487 min
Delta R.T.: 0.000 min
Response: 2073102
Conc: 19.88 ug/ml



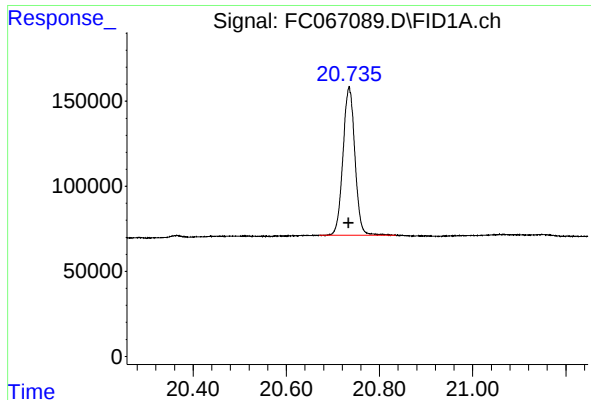
#19 n-Tetratriacontane (C34)

R.T.: 19.270 min
Delta R.T.: 0.000 min
Response: 1854660
Conc: 20.10 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.009 min
Delta R.T.: 0.000 min
Response: 1589642
Conc: 20.06 ug/ml



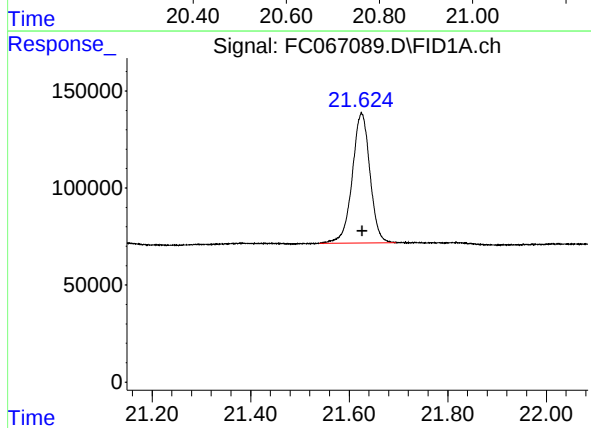
#21 n-Octatriacontane (C38)

R.T.: 20.735 min
Delta R.T.: 0.002 min
Response: 1554049
Conc: 20.69 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.624 min
Delta R.T.: -0.002 min
Response: 1667888
Conc: 23.87 ug/ml m