

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC121521AL\
 Data File : FC057517.D
 Signal(s) : FID1A.CH
 Acq On : 16 Dec 2021 5:44
 Operator : AJ\MA
 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 12/16/2021
 Supervised By :Ankita Jodhani 12/16/2021

Integration File: sample.E
 Quant Time: Dec 16 11:30:35 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121421.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 14 20:43:13 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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)	10.826	2482453	17.839 ug/ml
Spiked Amount 50.000		Recovery =	35.68%
12) S 1-chlorooctadecane (S...	12.263	1953202	17.638 ug/ml
Spiked Amount 50.000		Recovery =	35.28%
Target Compounds			
1) T n-Nonane (C9)	2.691	2269395	18.368 ug/ml
2) T n-Decane (C10)	3.696	2301961	18.481 ug/ml
3) T A~Naphthalene (C11.7)	5.255	2564654	18.486 ug/ml
4) T n-Dodecane (C12)	5.683	2312168	18.723 ug/ml
5) T A~2-methylnaphthalene...	6.302	2592973	18.542 ug/ml
6) T n-Tetradecane (C14)	7.473	2321009	18.744 ug/ml
7) T n-Hexadecane (C16)	9.071	2323834	18.533 ug/ml
8) T n-Octadecane (C18)	10.511	2363109	18.257 ug/ml
10) T n-Eicosane (C20)	11.820	2307468	17.762 ug/ml
11) T n-Heneicosane (C21)	12.432	2314164	17.633 ug/ml
13) T n-Docosane (C22)	13.017	2267453	17.251 ug/ml
14) T n-Tetracosane (C24)	14.118	2251068	16.925 ug/ml
15) T n-Hexacosane (C26)	15.139	2143698	16.348 ug/ml
16) T n-Octacosane (C28)	16.087	2089616	15.890 ug/ml
17) T n-Tricontane (C30)	16.974	2054377	15.032 ug/ml
18) T n-Dotriacontane (C32)	17.805	2026133	15.112 ug/mlm
19) T n-Tetratriacontane (C34)	18.590	1997196	15.316 ug/ml
20) T n-Hexatriacontane (C36)	19.328	1936181	16.306 ug/mlm
21) T n-Octatriacontane (C38)	20.055	1909524	17.386 ug/ml
22) T n-Tetracontane (C40)	20.940	1880097	18.831 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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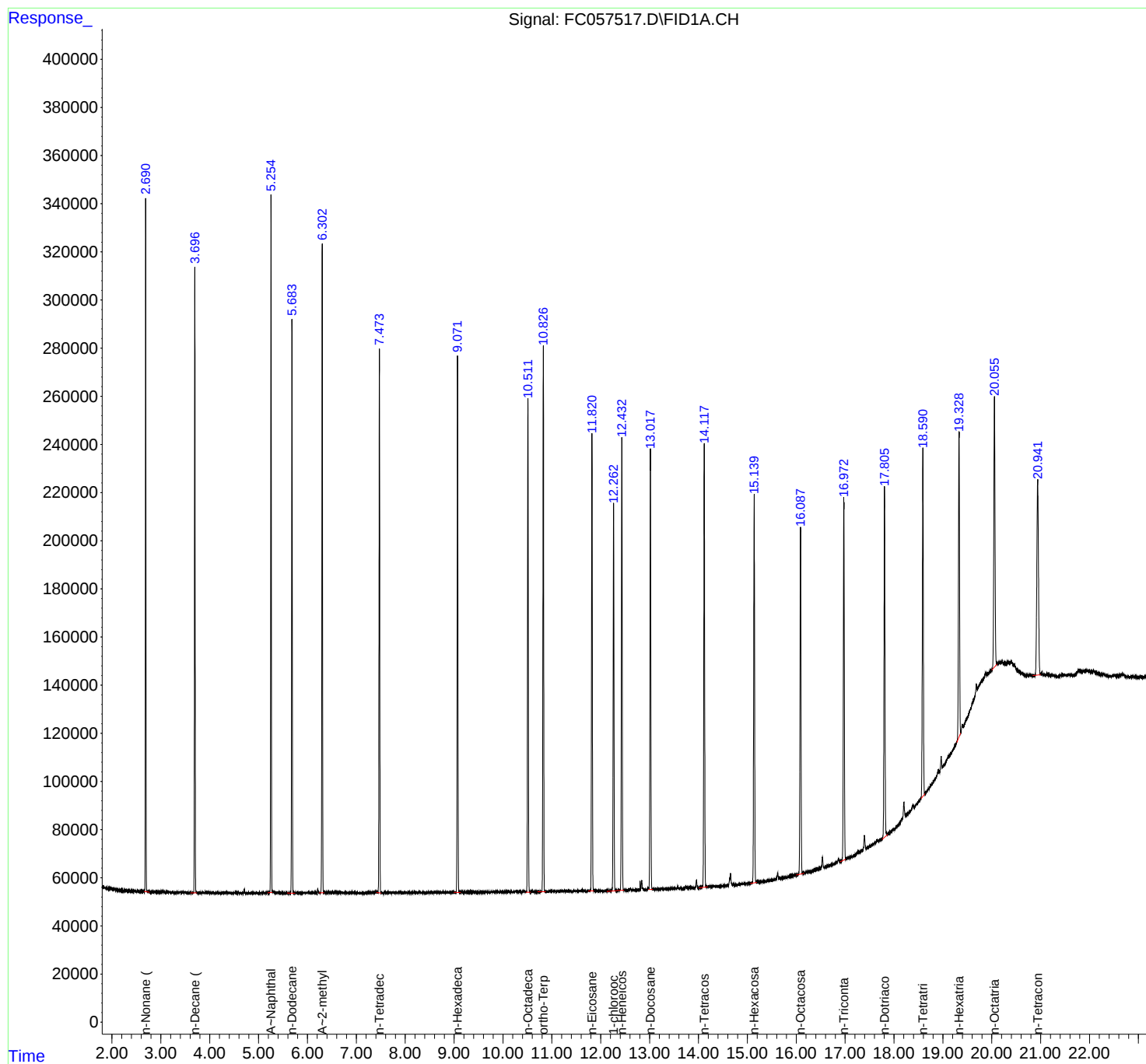
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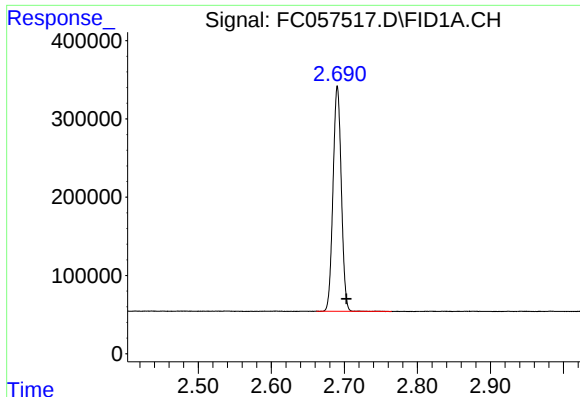
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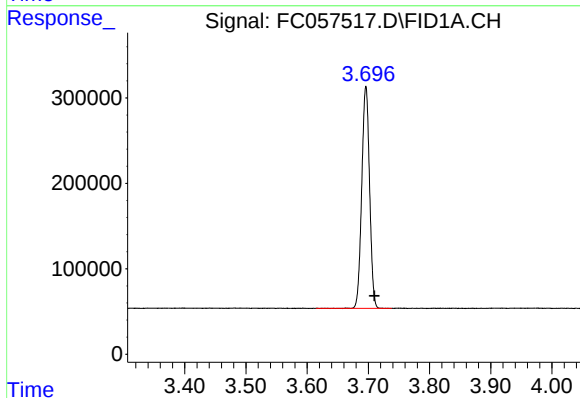
#1 n-Nonane (C9)

R.T.: 2.691 min
Delta R.T.: -0.012 min
Response: 2269395
Conc: 18.37 ug/ml

Instrument :
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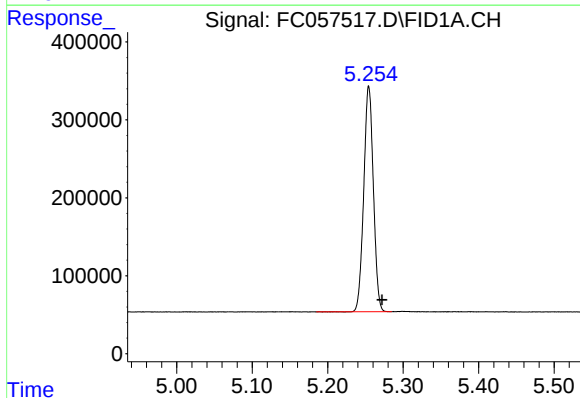
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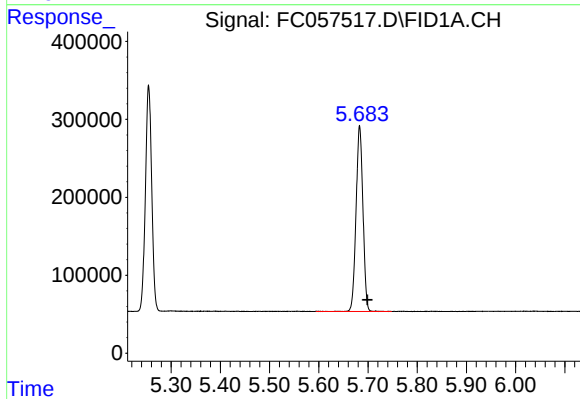
#2 n-Decane (C10)

R.T.: 3.696 min
Delta R.T.: -0.014 min
Response: 2301961
Conc: 18.48 ug/ml



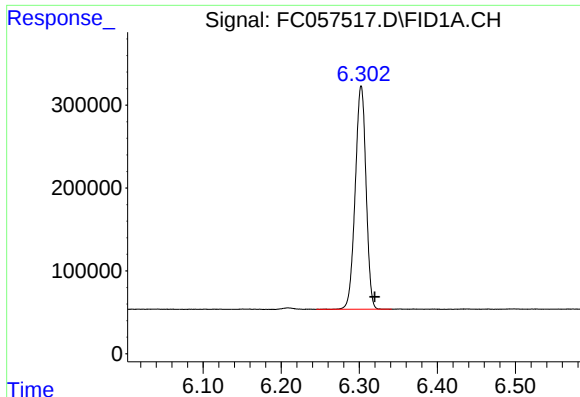
#3 A~Naphthalene (C11.7)

R.T.: 5.255 min
Delta R.T.: -0.017 min
Response: 2564654
Conc: 18.49 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.683 min
Delta R.T.: -0.016 min
Response: 2312168
Conc: 18.72 ug/ml



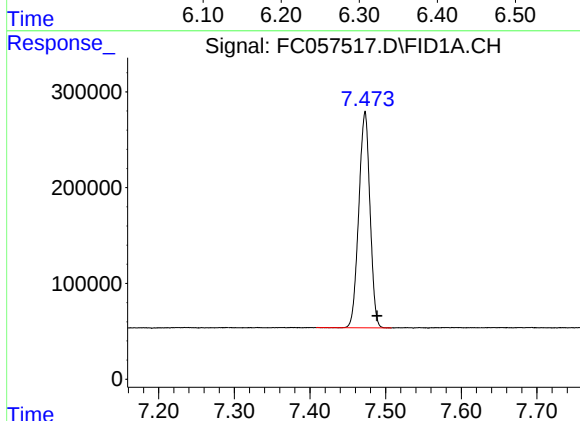
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.302 min
Delta R.T.: -0.018 min
Response: 2592973
Conc: 18.54 ug/ml

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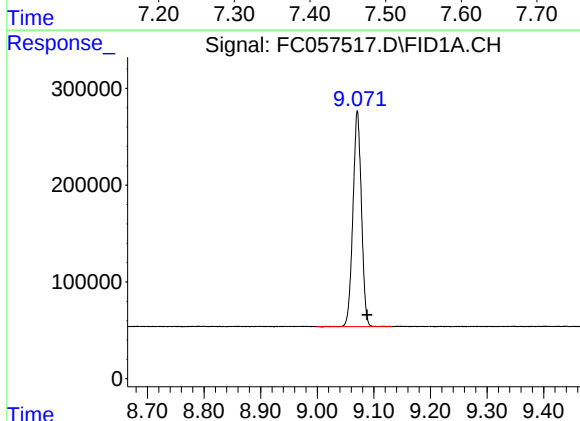
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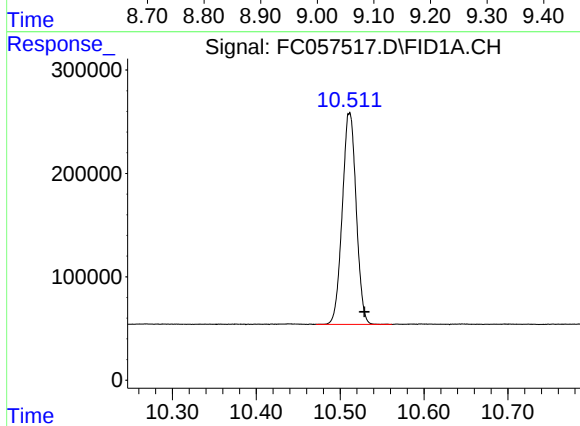
#6 n-Tetradecane (C14)

R.T.: 7.473 min
Delta R.T.: -0.016 min
Response: 2321009
Conc: 18.74 ug/ml



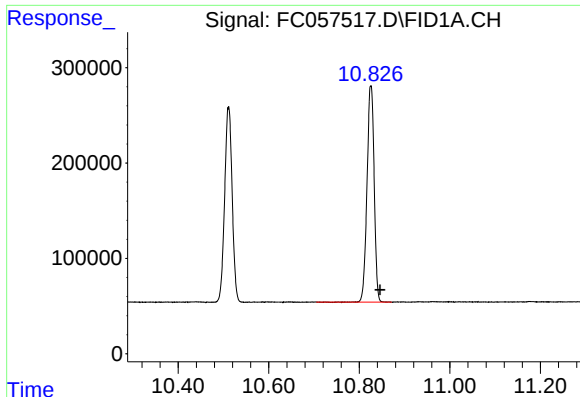
#7 n-Hexadecane (C16)

R.T.: 9.071 min
Delta R.T.: -0.017 min
Response: 2323834
Conc: 18.53 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.511 min
Delta R.T.: -0.018 min
Response: 2363109
Conc: 18.26 ug/ml



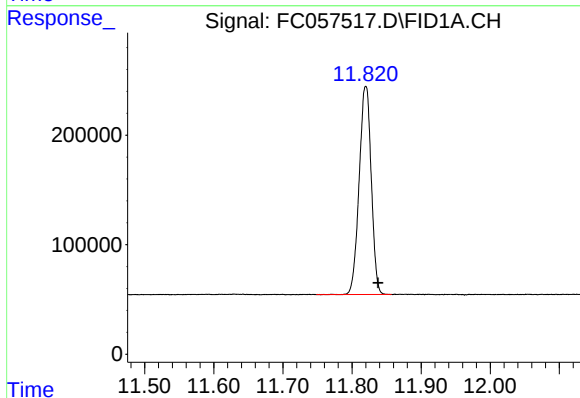
#9 ortho-Terphenyl (SURR)

R.T.: 10.826 min
Delta R.T.: -0.020 min
Response: 2482453
Conc: 17.84 ug/ml

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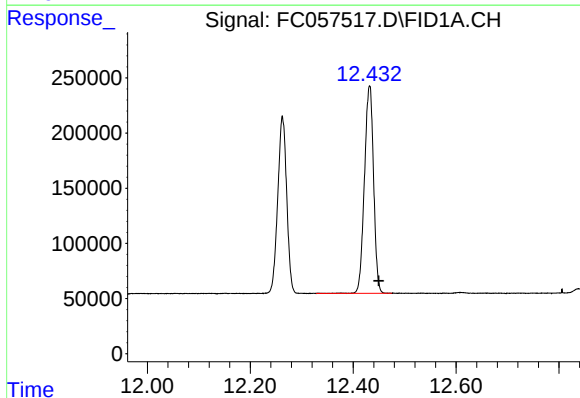
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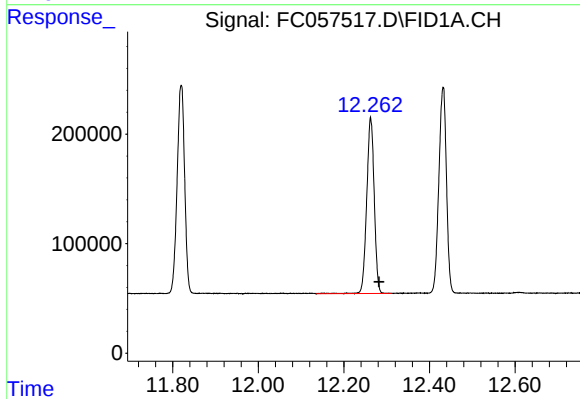
#10 n-Eicosane (C20)

R.T.: 11.820 min
Delta R.T.: -0.018 min
Response: 2307468
Conc: 17.76 ug/ml



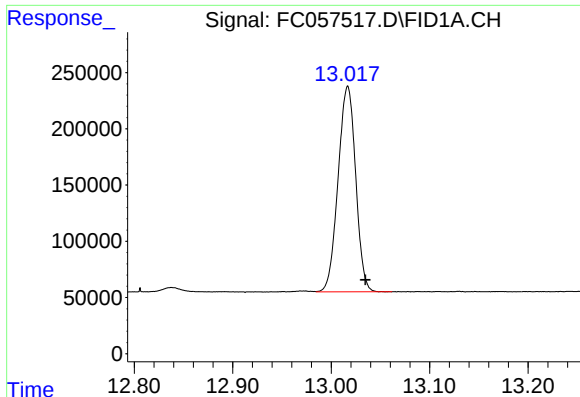
#11 n-Heneicosane (C21)

R.T.: 12.432 min
Delta R.T.: -0.018 min
Response: 2314164
Conc: 17.63 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.263 min
Delta R.T.: -0.019 min
Response: 1953202
Conc: 17.64 ug/ml



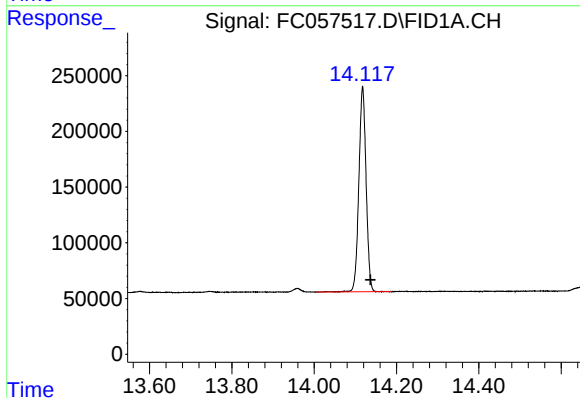
#13 n-Docosane (C22)

R.T.: 13.017 min
Delta R.T.: -0.018 min
Response: 2267453
Conc: 17.25 ug/ml

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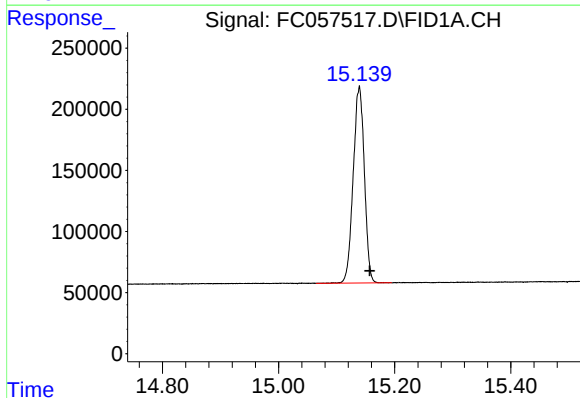
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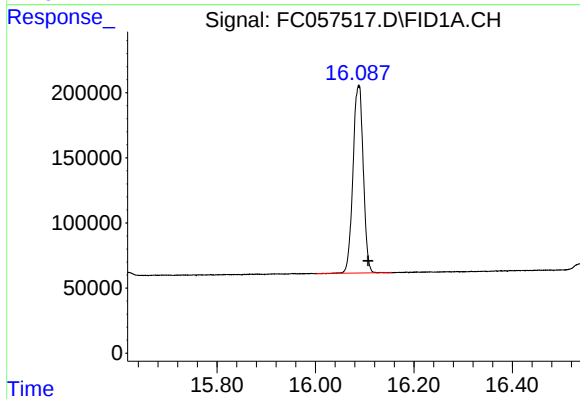
#14 n-Tetracosane (C24)

R.T.: 14.118 min
Delta R.T.: -0.019 min
Response: 2251068
Conc: 16.93 ug/ml



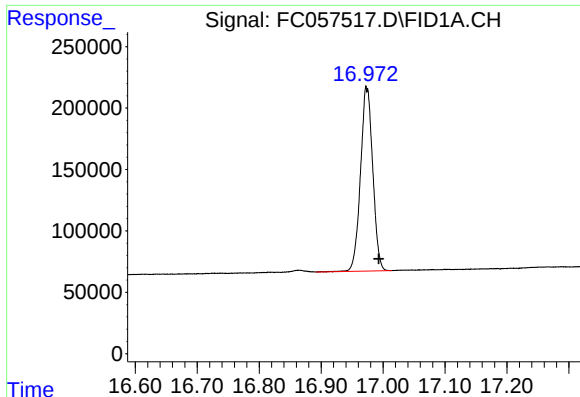
#15 n-Hexacosane (C26)

R.T.: 15.139 min
Delta R.T.: -0.018 min
Response: 2143698
Conc: 16.35 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.087 min
Delta R.T.: -0.020 min
Response: 2089616
Conc: 15.89 ug/ml



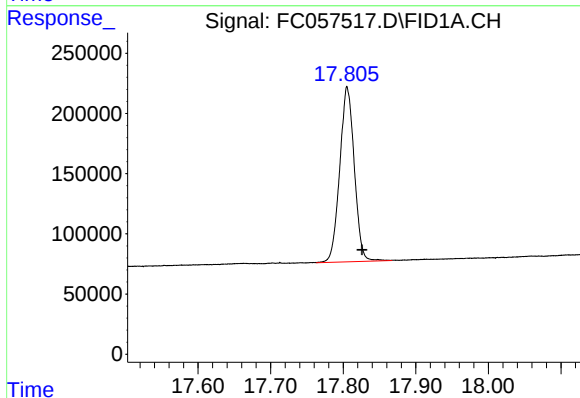
#17 n-Tricontane (C30)

R.T.: 16.974 min
Delta R.T.: -0.019 min
Response: 2054377
Conc: 15.03 ug/ml

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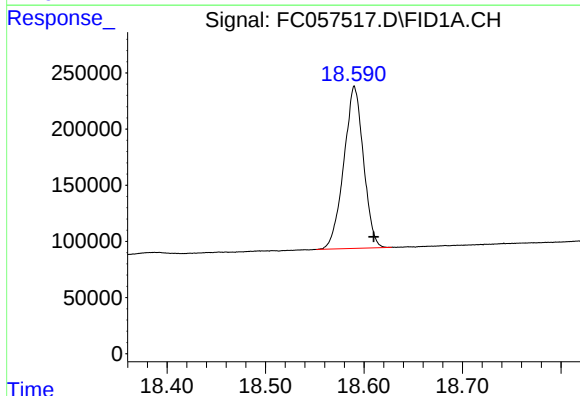
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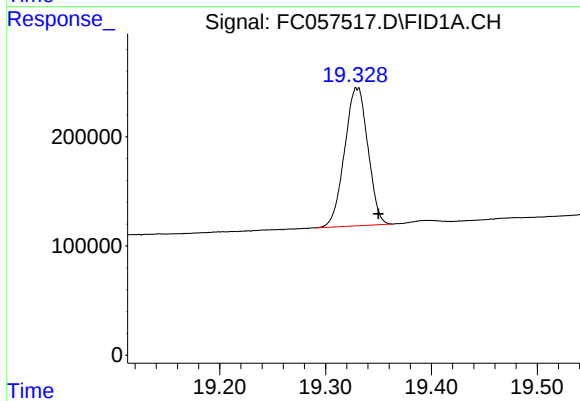
#18 n-Dotriacontane (C32)

R.T.: 17.805 min
Delta R.T.: -0.021 min
Response: 2026133
Conc: 15.11 ug/ml m



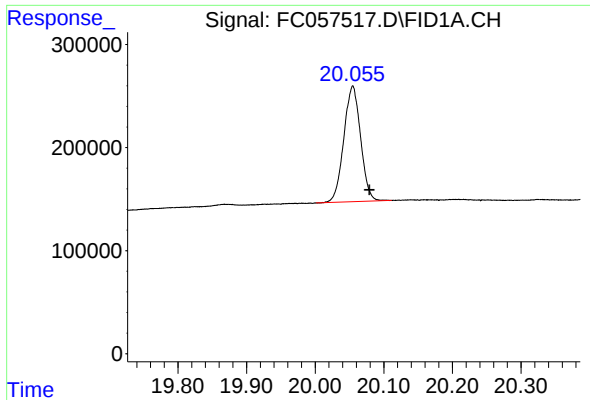
#19 n-Tetratriacontane (C34)

R.T.: 18.590 min
Delta R.T.: -0.020 min
Response: 1997196
Conc: 15.32 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.328 min
Delta R.T.: -0.022 min
Response: 1936181
Conc: 16.31 ug/ml m



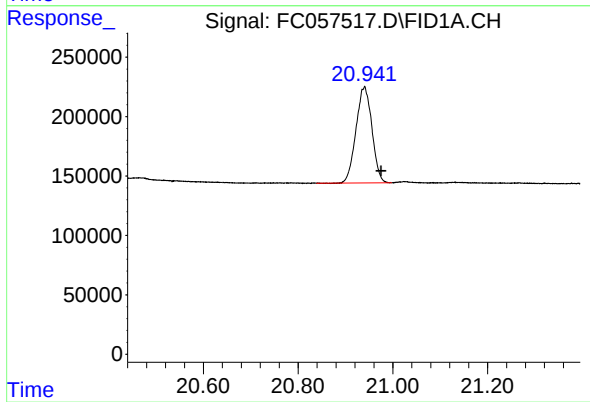
#21 n-Octatriacontane (C38)

R.T.: 20.055 min
Delta R.T.: -0.024 min
Response: 1909524
Conc: 17.39 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.940 min
Delta R.T.: -0.035 min
Response: 1880097
Conc: 18.83 ug/ml