

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE031422AL\
 Data File : FE035328.D
 Signal(s) : FID1B.CH
 Acq On : 15 Mar 2022 3:31
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/15/2022
 Supervised By :Ankita Jodhani 03/15/2022

Integration File: autoint1.e
 Quant Time: Mar 15 05:25:47 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 022822.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 01 02:07:56 2022
 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)	11.369	2633145	19.012 ug/ml
Spiked Amount 50.000		Recovery =	38.02%
12) S 1-chlorooctadecane (S...	12.803	1970566	18.192 ug/ml
Spiked Amount 50.000		Recovery =	36.38%
Target Compounds			
1) T n-Nonane (C9)	3.182	2370414	20.644 ug/ml
2) T n-Decane (C10)	4.239	2358076	20.698 ug/ml
3) T A~Naphthalene (C11.7)	5.807	2552052	20.093 ug/ml
4) T n-Dodecane (C12)	6.245	2408555	20.485 ug/ml
5) T A~2-methylnaphthalene...	6.858	2561462	20.052 ug/ml
6) T n-Tetradecane (C14)	8.032	2423838	20.310 ug/ml
7) T n-Hexadecane (C16)	9.625	2441936	20.043 ug/ml
8) T n-Octadecane (C18)	11.060	2449909	19.544 ug/ml
10) T n-Eicosane (C20)	12.363	2381710	18.835 ug/ml
11) T n-Heneicosane (C21)	12.972	2350197	18.455 ug/ml
13) T n-Docosane (C22)	13.555	2309267	18.186 ug/ml
14) T n-Tetracosane (C24)	14.653	2228340	17.594 ug/ml
15) T n-Hexacosane (C26)	15.669	2141650	17.272 ug/ml
16) T n-Octacosane (C28)	16.613	2088403	17.424 ug/ml
17) T n-Tricontane (C30)	17.498	2036014	17.976 ug/ml
18) T n-Dotriacontane (C32)	18.326	1937085	19.023 ug/ml
19) T n-Tetratriacontane (C34)	19.106	1822333	20.424 ug/ml
20) T n-Hexatriacontane (C36)	19.843	1705803	22.470 ug/mlm
21) T n-Octatriacontane (C38)	20.545	1627950	24.653 ug/mlm
22) T n-Tetracontane (C40)	21.358	1590774	26.007 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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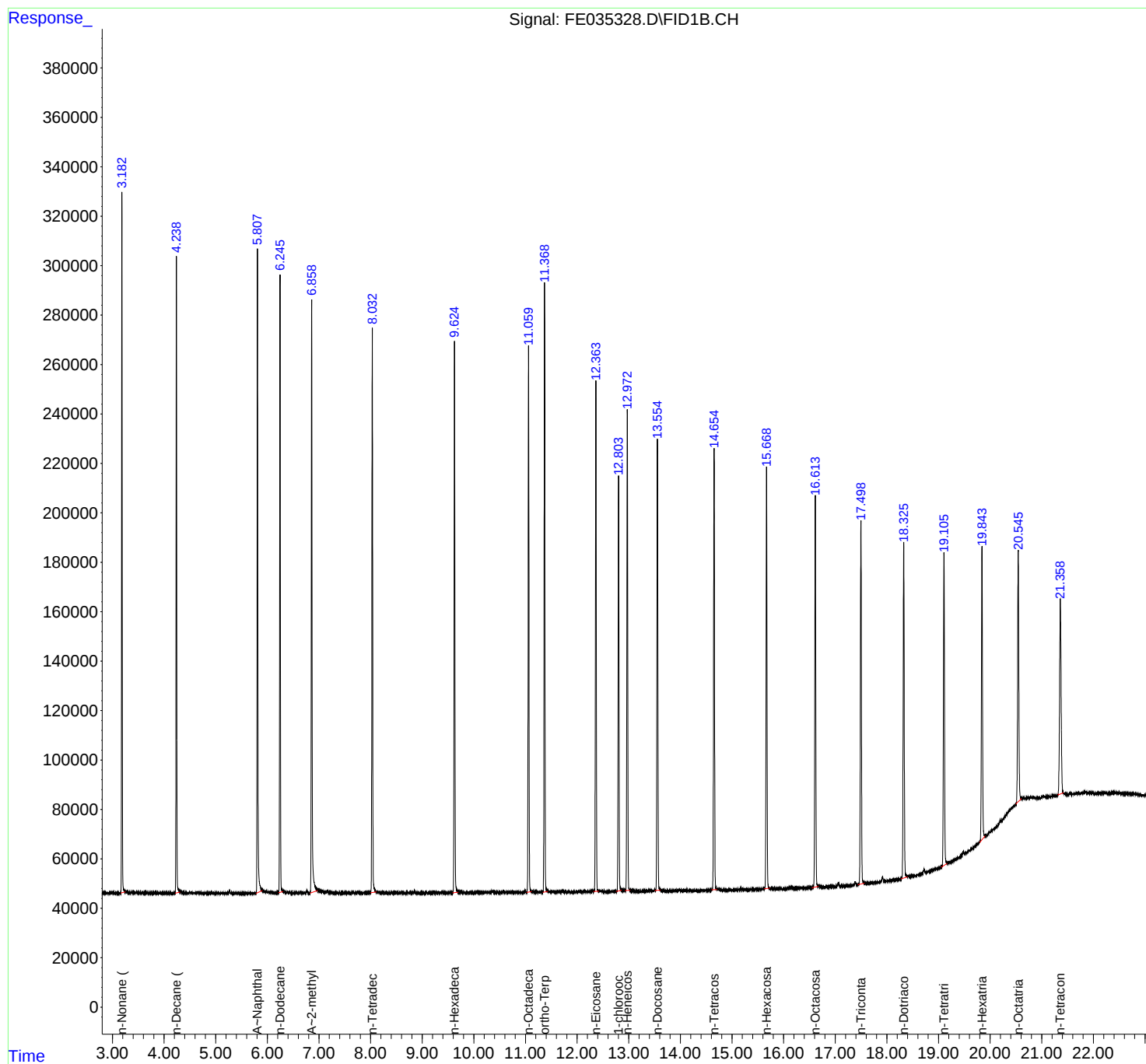
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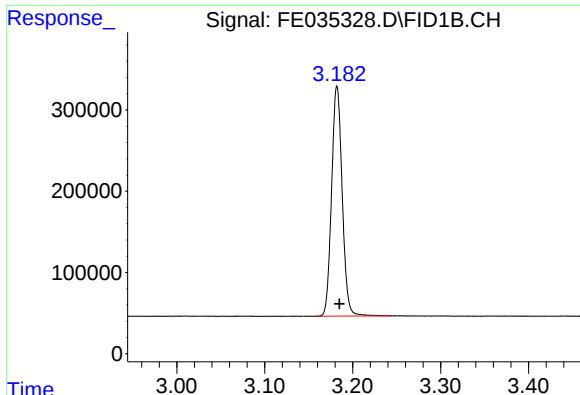
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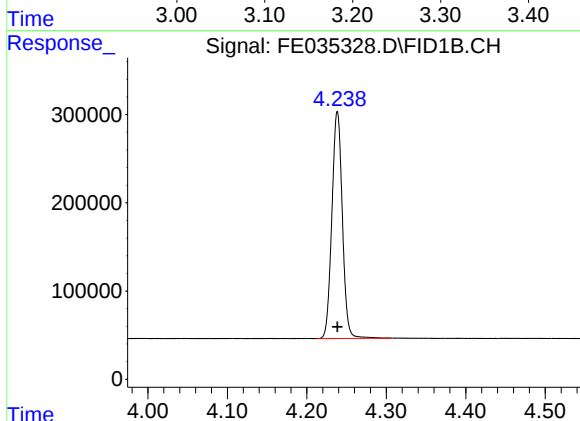
#1 n-Nonane (C9)

R.T.: 3.182 min
Delta R.T.: -0.003 min
Response: 2370414
Conc: 20.64 ug/ml

Instrument : FID_E
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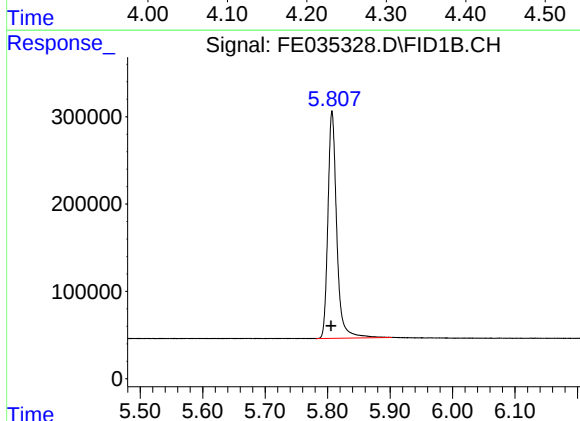
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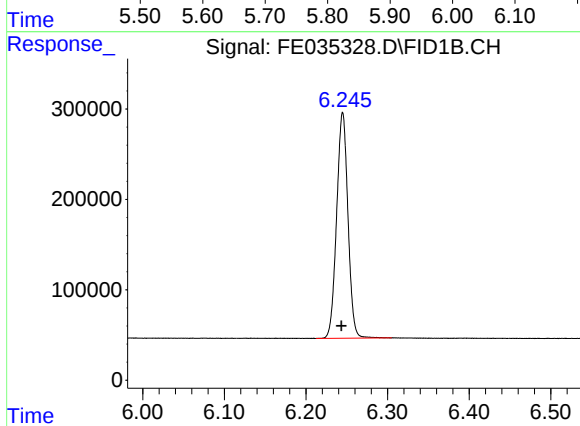
#2 n-Decane (C10)

R.T.: 4.239 min
Delta R.T.: 0.000 min
Response: 2358076
Conc: 20.70 ug/ml



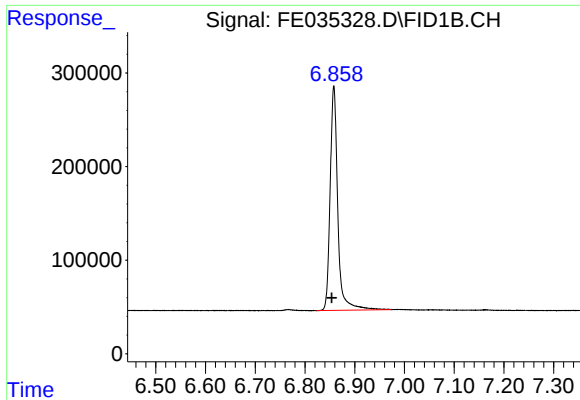
#3 A~Naphthalene (C11.7)

R.T.: 5.807 min
Delta R.T.: 0.002 min
Response: 2552052
Conc: 20.09 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.245 min
Delta R.T.: 0.001 min
Response: 2408555
Conc: 20.49 ug/ml



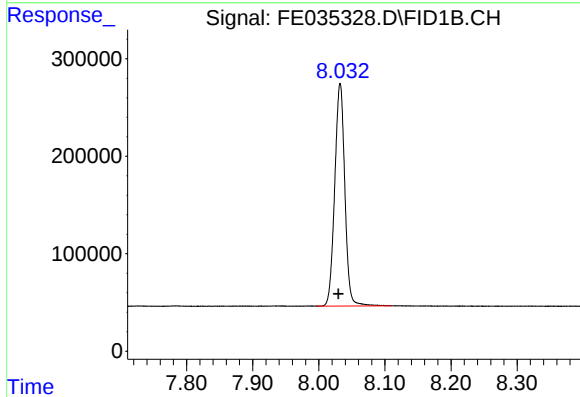
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.858 min
Delta R.T.: 0.005 min
Response: 2561462
Conc: 20.05 ug/ml

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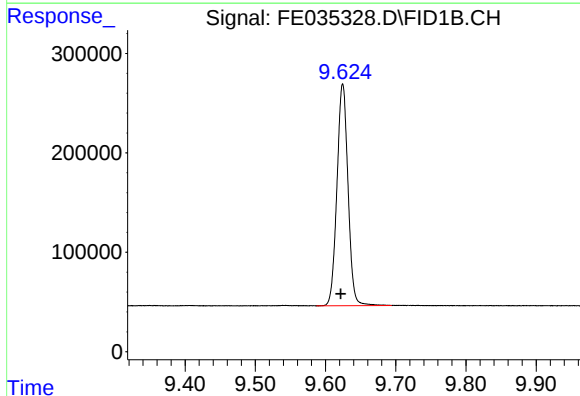
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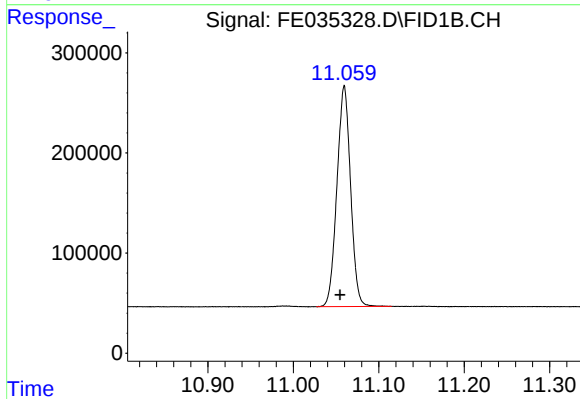
#6 n-Tetradecane (C14)

R.T.: 8.032 min
Delta R.T.: 0.003 min
Response: 2423838
Conc: 20.31 ug/ml



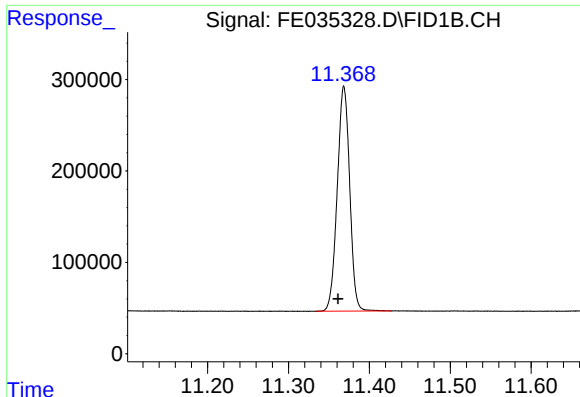
#7 n-Hexadecane (C16)

R.T.: 9.625 min
Delta R.T.: 0.003 min
Response: 2441936
Conc: 20.04 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.060 min
Delta R.T.: 0.005 min
Response: 2449909
Conc: 19.54 ug/ml



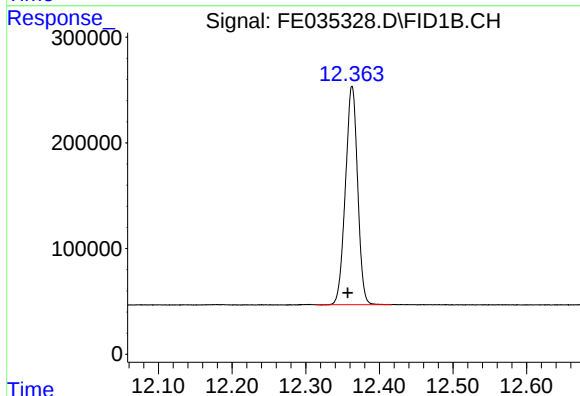
#9 ortho-Terphenyl (SURR)

R.T.: 11.369 min
Delta R.T.: 0.007 min
Response: 2633145
Conc: 19.01 ug/ml

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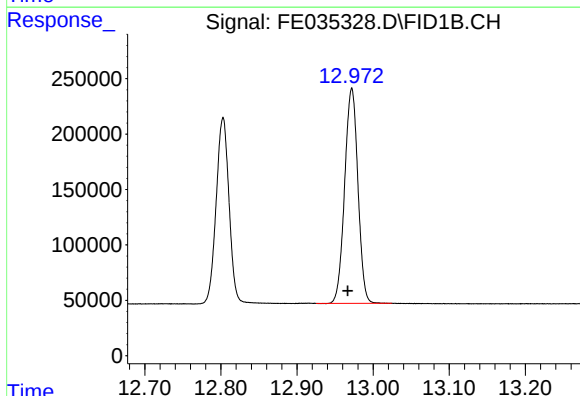
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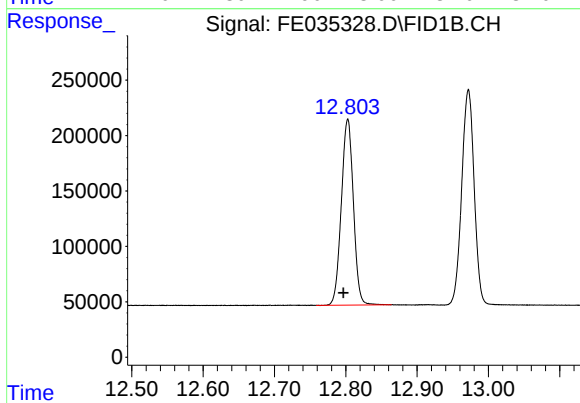
#10 n-Eicosane (C20)

R.T.: 12.363 min
Delta R.T.: 0.006 min
Response: 2381710
Conc: 18.84 ug/ml



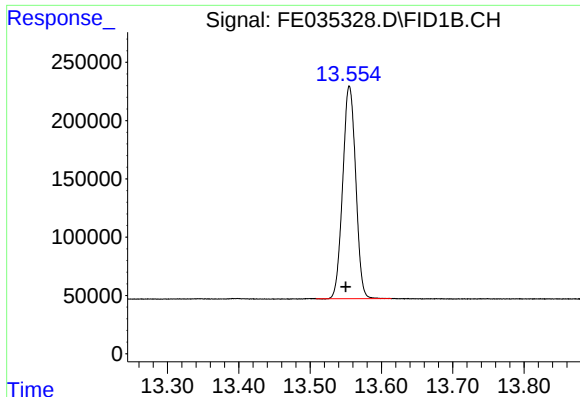
#11 n-Heneicosane (C21)

R.T.: 12.972 min
Delta R.T.: 0.005 min
Response: 2350197
Conc: 18.45 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.803 min
Delta R.T.: 0.006 min
Response: 1970566
Conc: 18.19 ug/ml



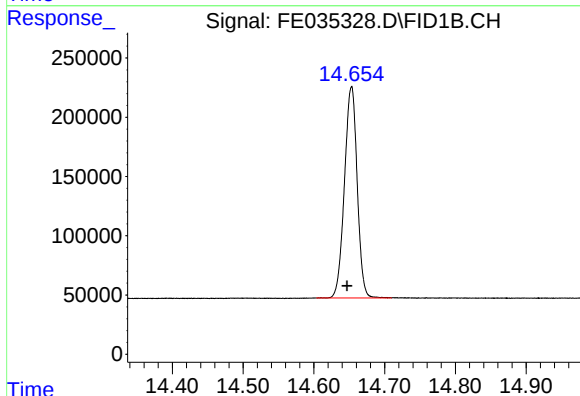
#13 n-Docosane (C22)

R.T.: 13.555 min
Delta R.T.: 0.005 min
Response: 2309267
Conc: 18.19 ug/ml

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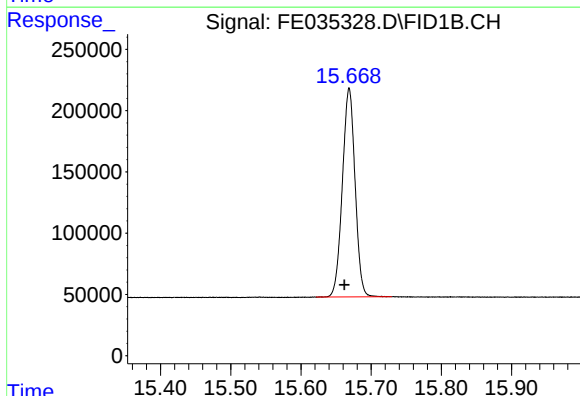
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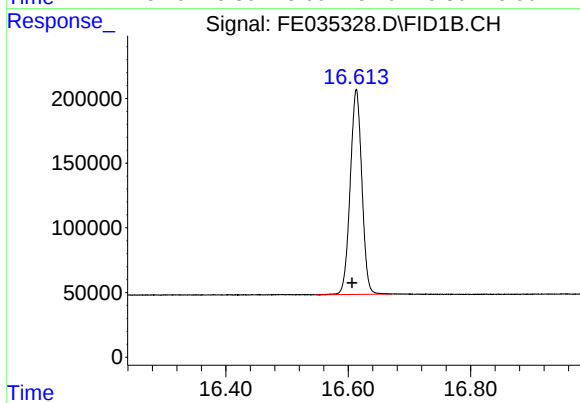
#14 n-Tetracosane (C24)

R.T.: 14.653 min
Delta R.T.: 0.007 min
Response: 2228340
Conc: 17.59 ug/ml



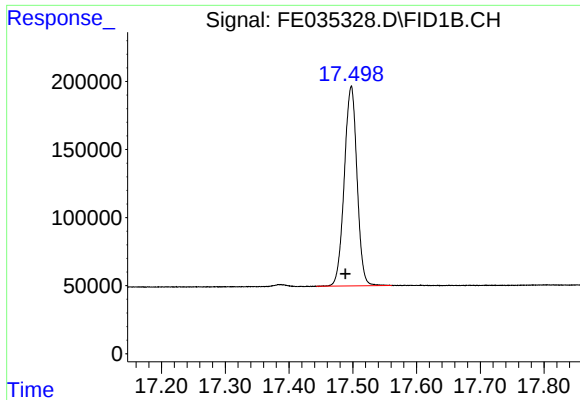
#15 n-Hexacosane (C26)

R.T.: 15.669 min
Delta R.T.: 0.007 min
Response: 2141650
Conc: 17.27 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.613 min
Delta R.T.: 0.007 min
Response: 2088403
Conc: 17.42 ug/ml



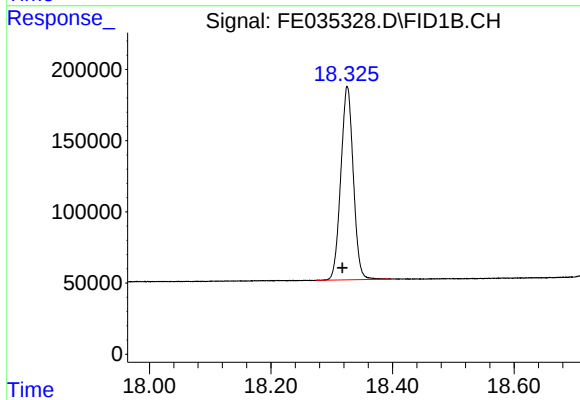
#17 n-Tricontane (C30)

R.T.: 17.498 min
Delta R.T.: 0.009 min
Response: 2036014
Conc: 17.98 ug/ml

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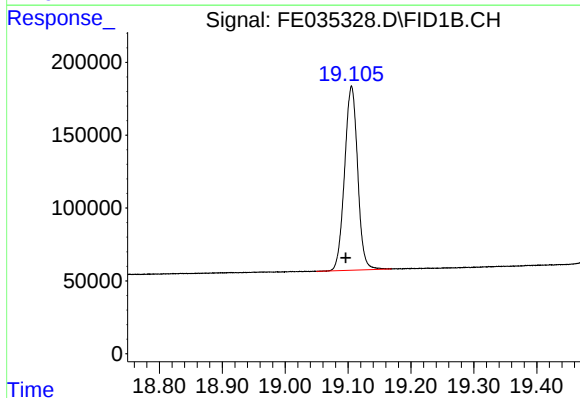
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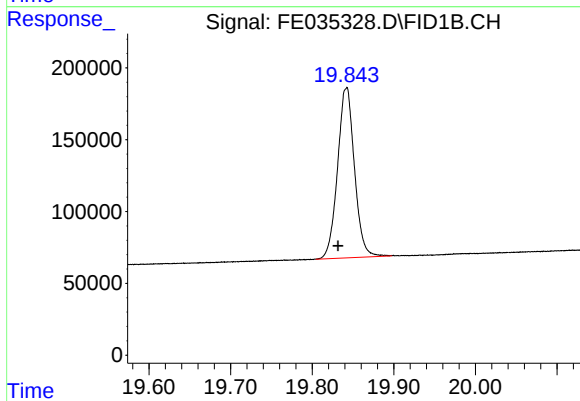
#18 n-Dotriacontane (C32)

R.T.: 18.326 min
Delta R.T.: 0.008 min
Response: 1937085
Conc: 19.02 ug/ml



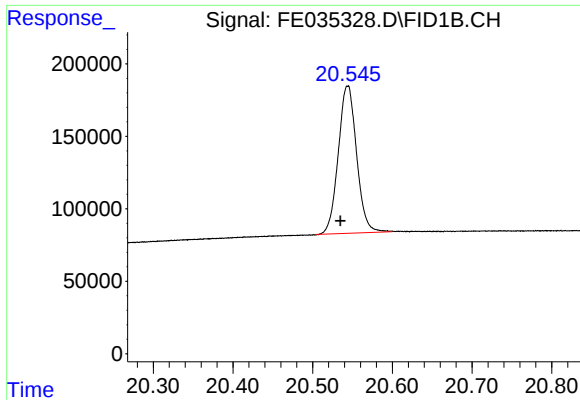
#19 n-Tetratriacontane (C34)

R.T.: 19.106 min
Delta R.T.: 0.009 min
Response: 1822333
Conc: 20.42 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.843 min
Delta R.T.: 0.011 min
Response: 1705803
Conc: 22.47 ug/ml m



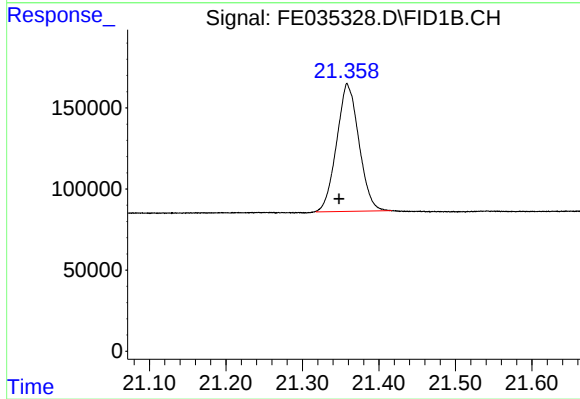
#21 n-Octatriacontane (C38)

R.T.: 20.545 min
Delta R.T.: 0.010 min
Response: 1627950
Conc: 24.65 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.358 min
Delta R.T.: 0.010 min
Response: 1590774
Conc: 26.01 ug/ml m