

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE052325AL\
 Data File : FE054011.D
 Signal(s) : FID1B.ch
 Acq On : 23 May 2025 21:22
 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 05/27/2025
 Supervised By :mohammad ahmed 05/29/2025

Integration File: autoint1.e
 Quant Time: May 23 23:02:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051425.M
 Quant Title : GC Extractables
 QLast Update : Wed May 14 12:15:41 2025
 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)	11.847	3092807	19.031 ug/ml
Spiked Amount 50.000		Recovery =	38.06%
12) S 1-chlorooctadecane (S...	13.293	2295678	19.365 ug/ml
Spiked Amount 50.000		Recovery =	38.73%
Target Compounds			
1) T n-Nonane (C9)	3.193	2470553	18.280 ug/ml
2) T n-Decane (C10)	4.456	2526461	18.696 ug/ml
3) T A~Naphthalene (C11.7)	6.170	2695354	18.755 ug/ml
4) T n-Dodecane (C12)	6.637	2580582	18.918 ug/ml
5) T A~2-methylnaphthalene...	7.273	2598181	18.731 ug/ml
6) T n-Tetradecane (C14)	8.473	2573846	19.073 ug/ml
7) T n-Hexadecane (C16)	10.086	2591385	19.205 ug/ml
8) T n-Octadecane (C18)	11.533	2576111	19.130 ug/ml
10) T n-Eicosane (C20)	12.847	2520646	19.179 ug/ml
11) T n-Heneicosane (C21)	13.460	2485910	19.175 ug/ml
13) T n-Docosane (C22)	14.049	2467154	19.339 ug/ml
14) T n-Tetracosane (C24)	15.154	2458601	19.651 ug/ml
15) T n-Hexacosane (C26)	16.178	2433918	19.877 ug/ml
16) T n-Octacosane (C28)	17.130	2461151	20.246 ug/ml
17) T n-Tricontane (C30)	18.019	2616029	21.001 ug/ml
18) T n-Dotriacontane (C32)	18.853	2673627	21.380 ug/ml
19) T n-Tetratriacontane (C34)	19.638	2577871	21.641 ug/ml
20) T n-Hexatriacontane (C36)	20.379	2517809	21.745 ug/ml
21) T n-Octatriacontane (C38)	21.109	2519734	23.154 ug/ml
22) T n-Tetracontane (C40)	22.007	2373436	23.918 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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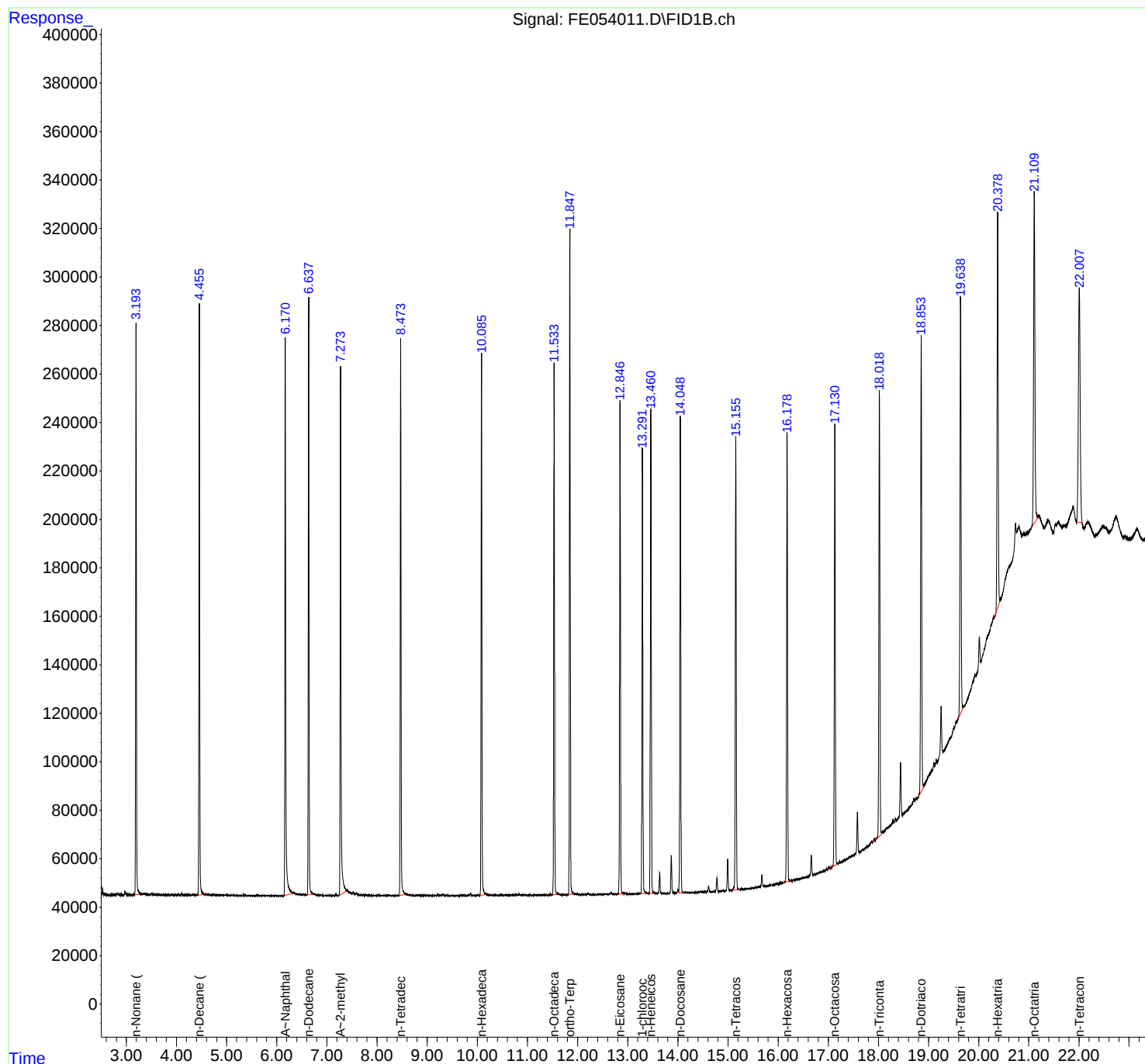
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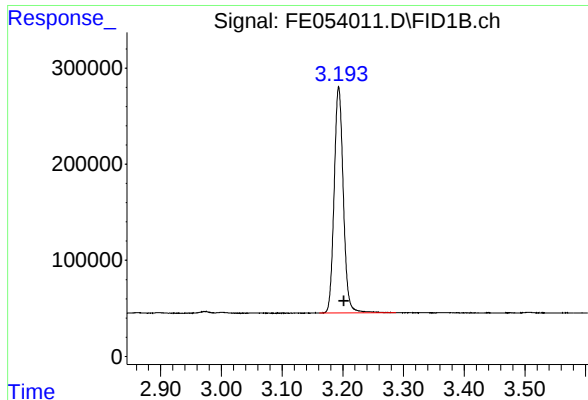
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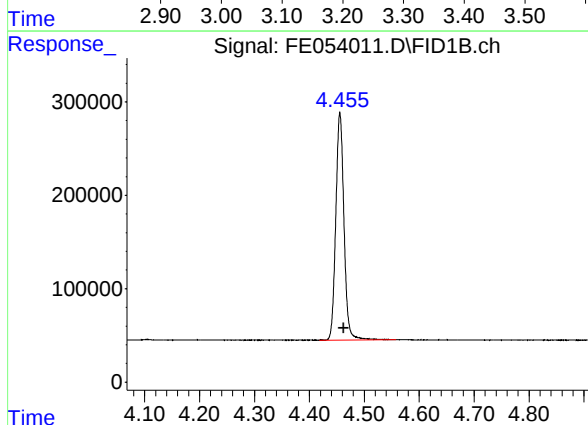
#1 n-Nonane (C9)

R.T.: 3.193 min
Delta R.T.: -0.009 min
Response: 2470553
Conc: 18.28 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

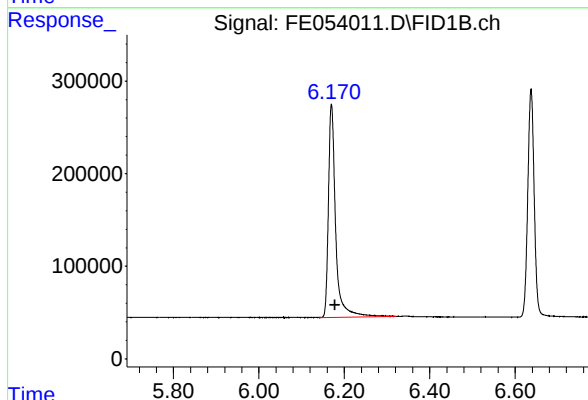
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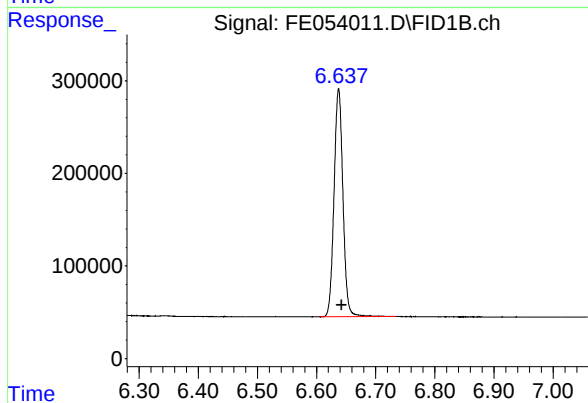
#2 n-Decane (C10)

R.T.: 4.456 min
Delta R.T.: -0.007 min
Response: 2526461
Conc: 18.70 ug/ml



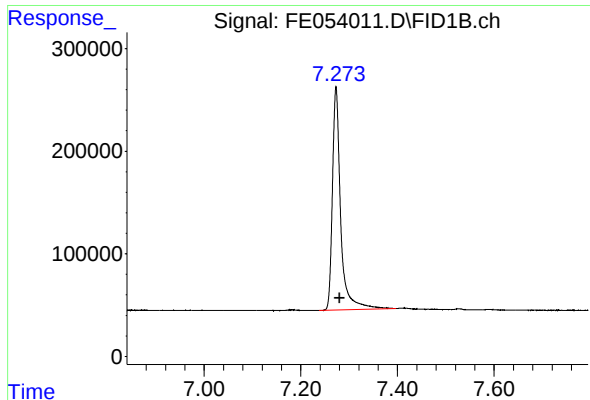
#3 A~Naphthalene (C11.7)

R.T.: 6.170 min
Delta R.T.: -0.008 min
Response: 2695354
Conc: 18.75 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.637 min
Delta R.T.: -0.005 min
Response: 2580582
Conc: 18.92 ug/ml



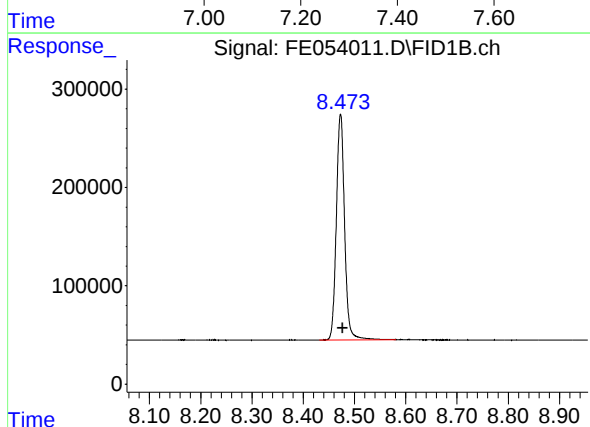
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.273 min
Delta R.T.: -0.007 min
Response: 2598181
Conc: 18.73 ug/ml

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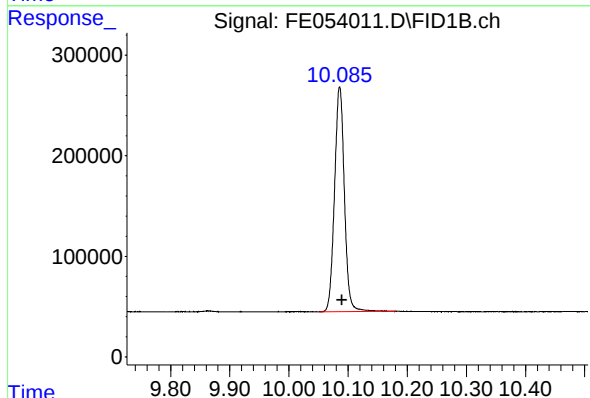
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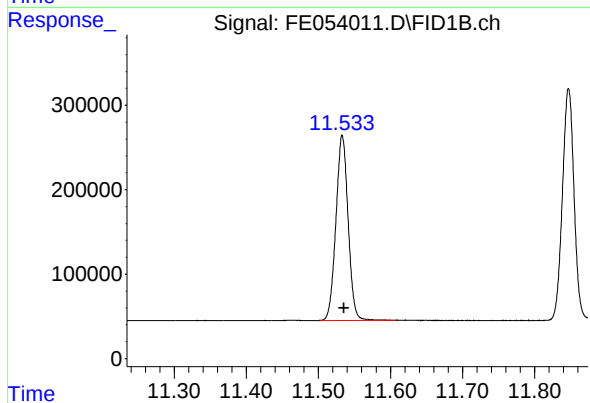
#6 n-Tetradecane (C14)

R.T.: 8.473 min
Delta R.T.: -0.004 min
Response: 2573846
Conc: 19.07 ug/ml



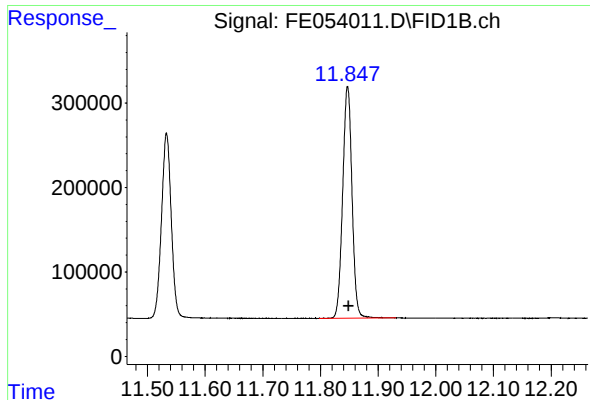
#7 n-Hexadecane (C16)

R.T.: 10.086 min
Delta R.T.: -0.004 min
Response: 2591385
Conc: 19.20 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.533 min
Delta R.T.: -0.003 min
Response: 2576111
Conc: 19.13 ug/ml



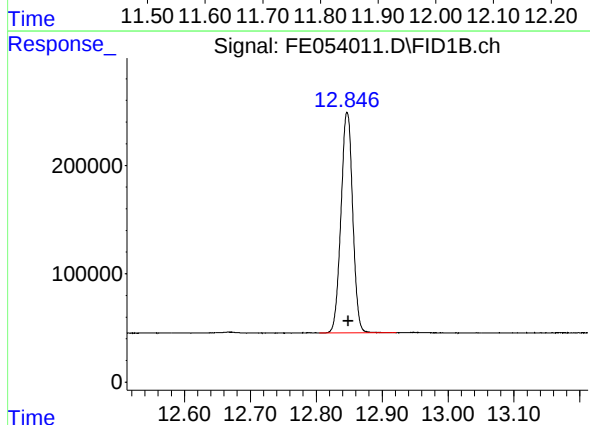
#9 ortho-Terphenyl (SURR)

R.T.: 11.847 min
Delta R.T.: -0.001 min
Response: 3092807
Conc: 19.03 ug/ml

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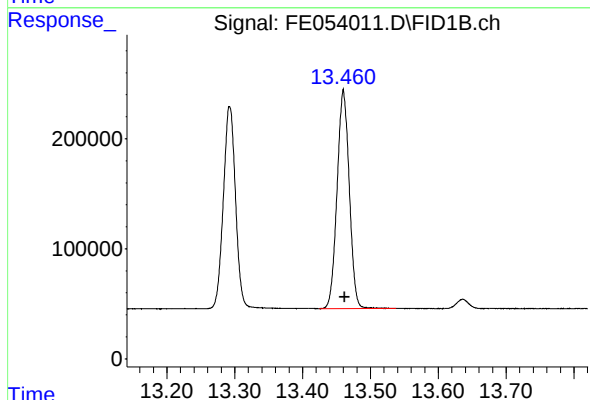
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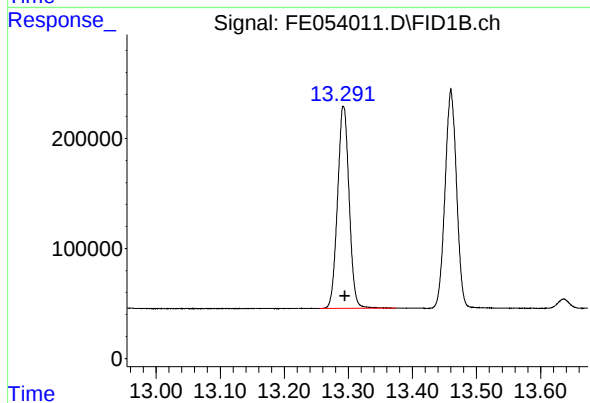
#10 n-Eicosane (C20)

R.T.: 12.847 min
Delta R.T.: -0.002 min
Response: 2520646
Conc: 19.18 ug/ml



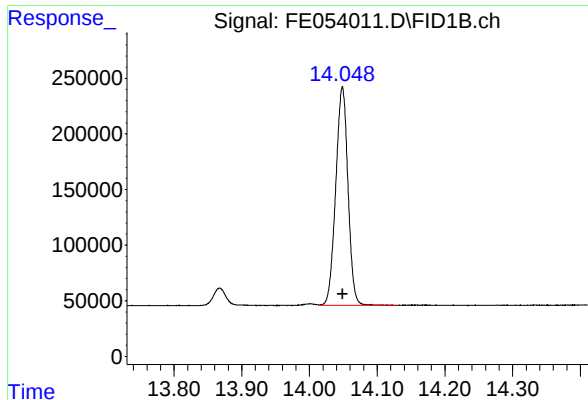
#11 n-Heneicosane (C21)

R.T.: 13.460 min
Delta R.T.: -0.002 min
Response: 2485910
Conc: 19.17 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.293 min
Delta R.T.: -0.002 min
Response: 2295678
Conc: 19.36 ug/ml



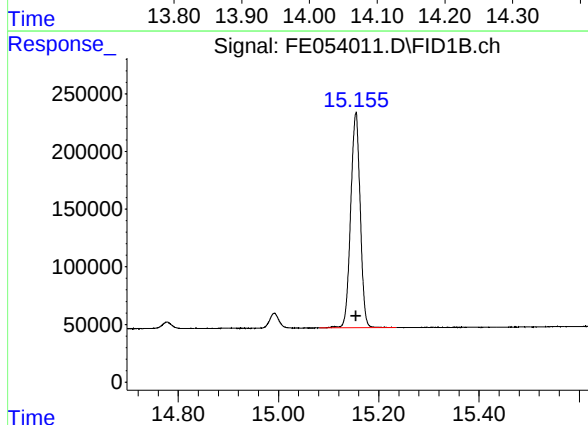
#13 n-Docosane (C22)

R.T.: 14.049 min
Delta R.T.: 0.000 min
Response: 2467154
Conc: 19.34 ug/ml

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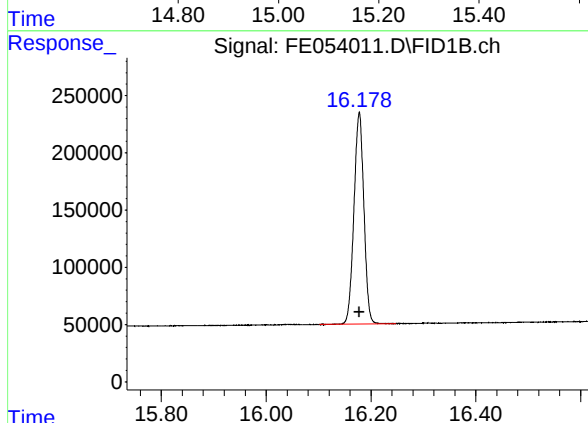
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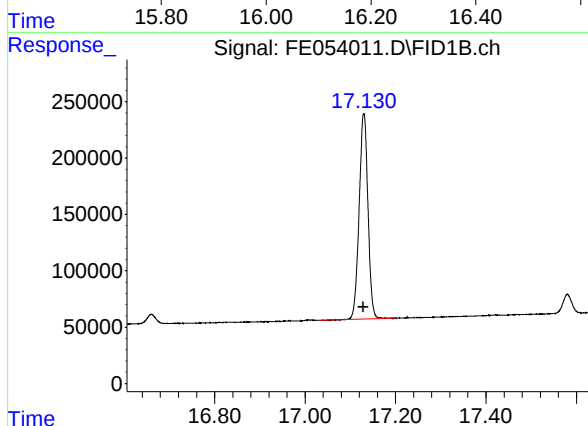
#14 n-Tetracosane (C24)

R.T.: 15.154 min
Delta R.T.: 0.000 min
Response: 2458601
Conc: 19.65 ug/ml



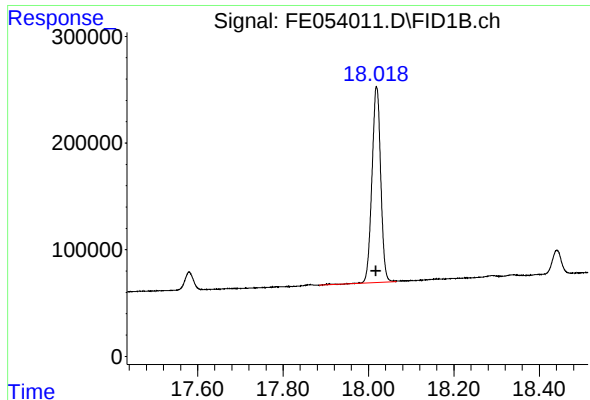
#15 n-Hexacosane (C26)

R.T.: 16.178 min
Delta R.T.: 0.000 min
Response: 2433918
Conc: 19.88 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.130 min
Delta R.T.: 0.001 min
Response: 2461151
Conc: 20.25 ug/ml



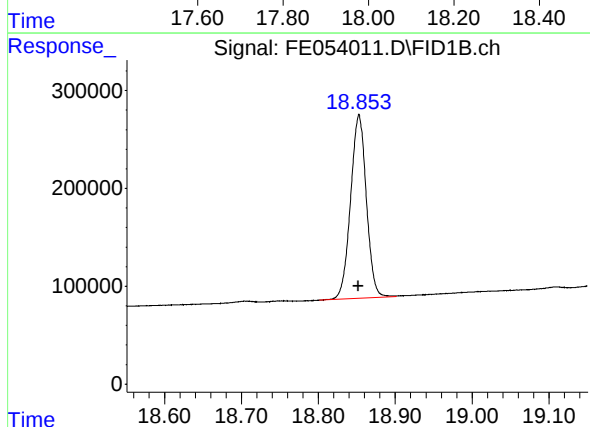
#17 n-Tricontane (C30)

R.T.: 18.019 min
Delta R.T.: 0.001 min
Response: 2616029
Conc: 21.00 ug/ml

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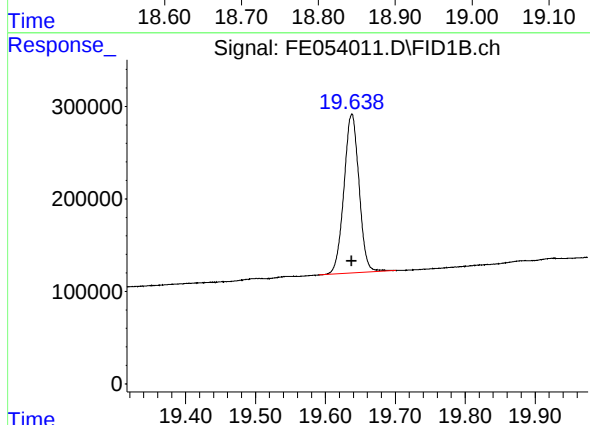
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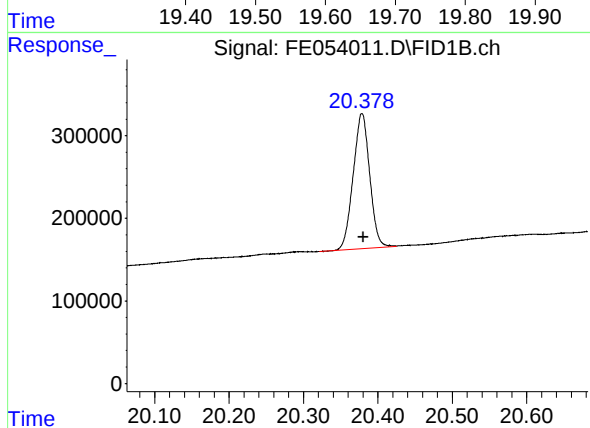
#18 n-Dotriacontane (C32)

R.T.: 18.853 min
Delta R.T.: 0.000 min
Response: 2673627
Conc: 21.38 ug/ml



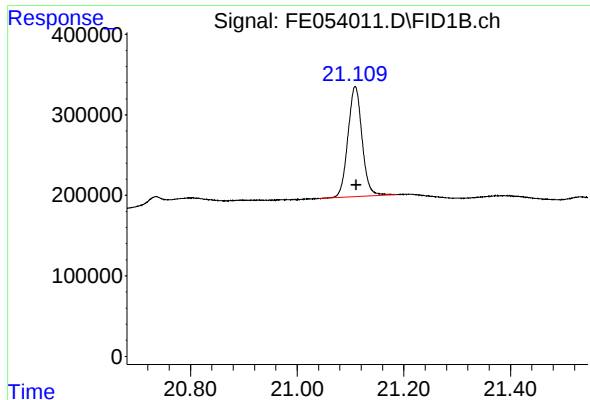
#19 n-Tetatriacontane (C34)

R.T.: 19.638 min
Delta R.T.: 0.000 min
Response: 2577871
Conc: 21.64 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.379 min
Delta R.T.: -0.002 min
Response: 2517809
Conc: 21.75 ug/ml



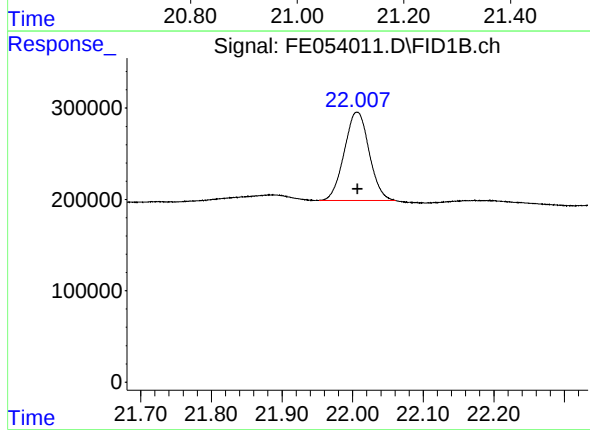
#21 n-Octatriacontane (C38)

R.T.: 21.109 min
Delta R.T.: -0.002 min
Response: 2519734
Conc: 23.15 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.007 min
Delta R.T.: 0.000 min
Response: 2373436
Conc: 23.92 ug/ml m