

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD083024AR\
 Data File : FD048266.D
 Signal(s) : FID2B.ch
 Acq On : 30 Aug 2024 21:39
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/03/2024
 Supervised By :Ankita Jodhani 09/03/2024

Integration File: autoint1.e
 Quant Time: Aug 31 02:54:04 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081324.M
 Quant Title : GC Extractables
 QLast Update : Mon Aug 12 16:16:10 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.392	2928529	19.620 ug/ml
Spiked Amount 50.000		Recovery =	39.24%
6) S 2-Fluorobiphenyl (SURR)	8.243	1908374	19.938 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	39.88%
11) S ortho-Terphenyl (SURR)	11.278	3370831	20.011 ug/ml
Spiked Amount 50.000		Recovery =	40.02%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.214	3400544	19.949 ug/ml
2) T Naphthalene (C11.7)	5.733	3459262	19.852 ug/ml
3) T 2-Methylnaphthalene (...)	6.780	3452446	19.852 ug/ml
5) T Acenaphthylene (C15.06)	8.046	3368342	19.563 ug/ml
7) T Acenaphthene (C15.5)	8.340	3424170	19.775 ug/ml
8) T Flouorene (C16.55)	9.118	3306429	20.050 ug/ml
9) T Phenanthrene (C19.36)	10.505	3227783	20.168 ug/ml
10) T Anthracene (C19.43)	10.580	2876197	18.336 ug/ml
12) T Fluoranthene (C21.85)	12.308	3196021	20.074 ug/ml
13) T Pyrene (C20.8)	12.602	3198673	20.382 ug/ml
14) T Benzo[a]anthracene (C...	14.470	2858193	20.290 ug/mlm
15) T Chrysene (C27.41)	14.511	3074221	19.286 ug/ml
16) T benzo[b]fluoranthene ...	16.015	3045080	20.510 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.046	2864346	19.308 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.390	2996938	20.350 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.752	2494515	20.407 ug/ml
20) T Dibenz[a,h]anthracene...	17.793	3255469	21.311 ug/ml
21) T Benzo[g,h,i]perylene ...	18.002	2850123	18.874 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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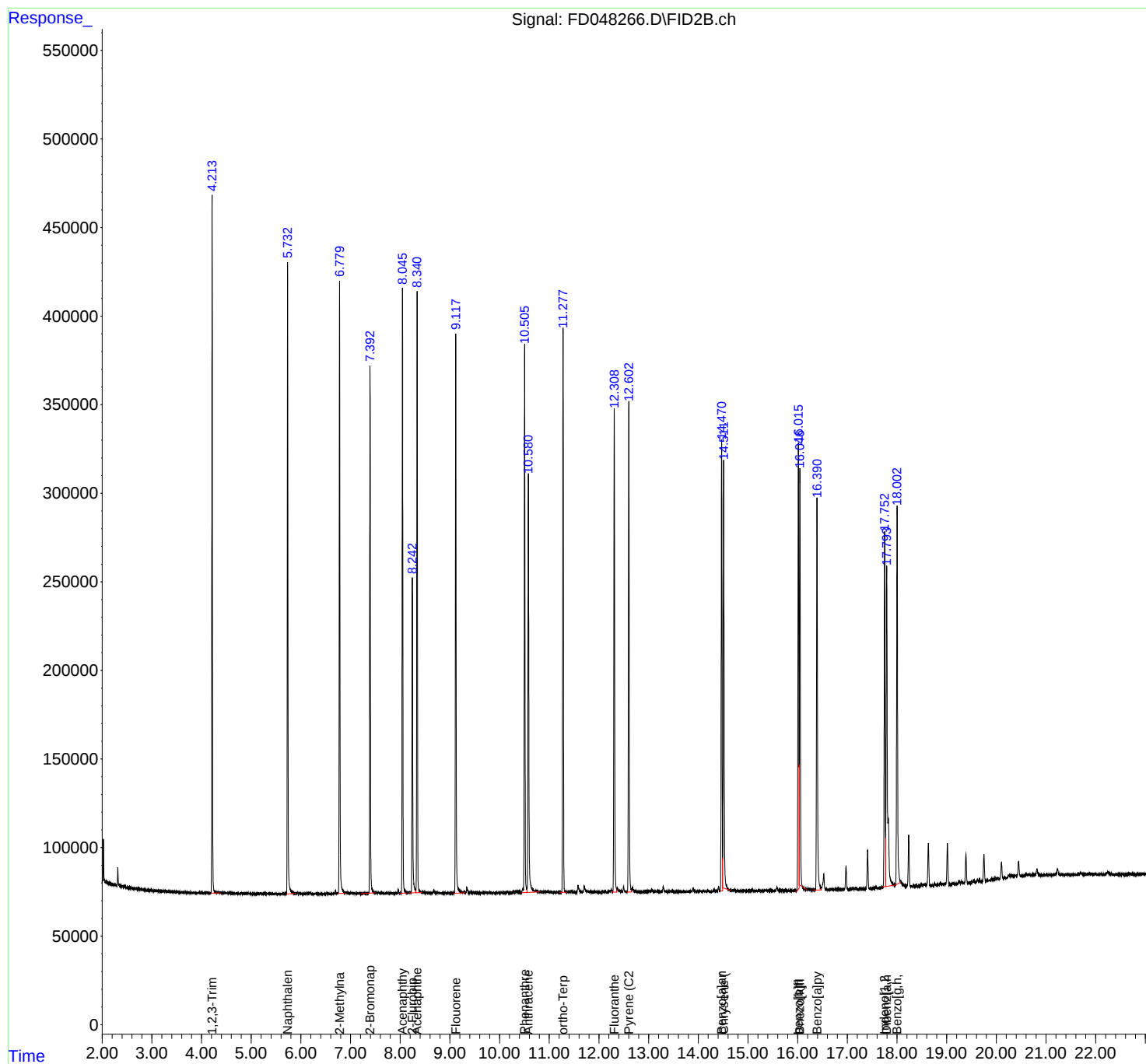
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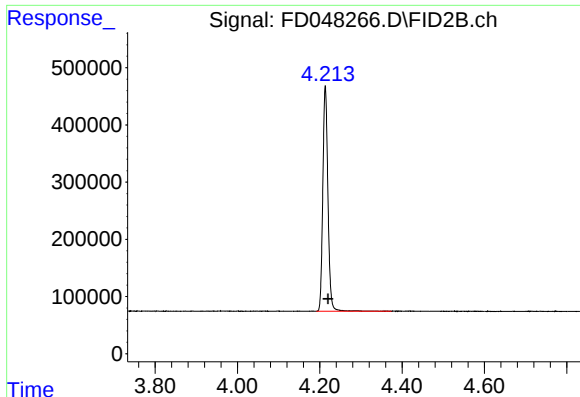
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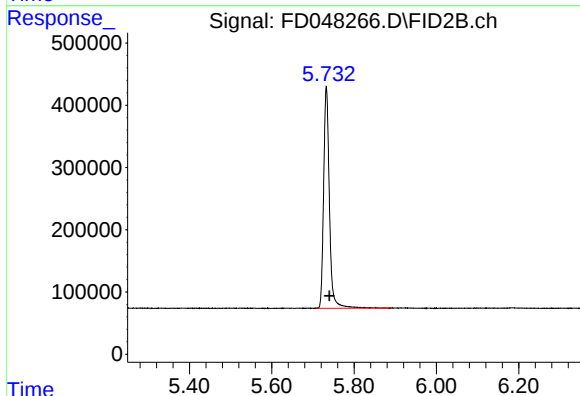
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.214 min
Delta R.T.: -0.006 min
Response: 3400544
Conc: 19.95 ug/ml

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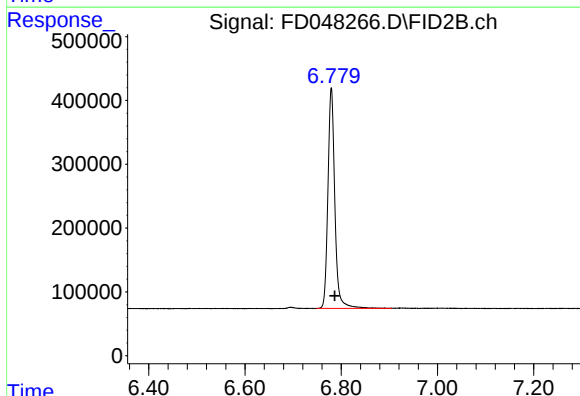
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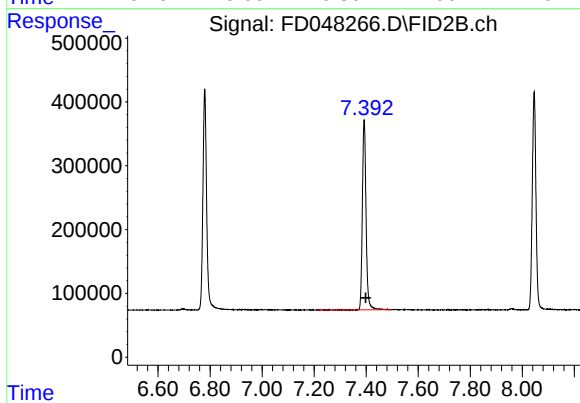
#2 Naphthalene (C11.7)

R.T.: 5.733 min
Delta R.T.: -0.007 min
Response: 3459262
Conc: 19.85 ug/ml



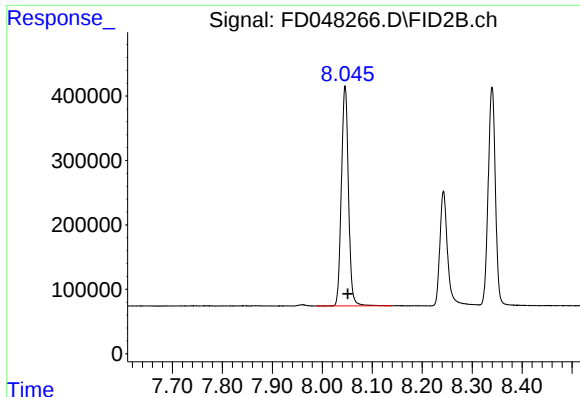
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.780 min
Delta R.T.: -0.007 min
Response: 3452446
Conc: 19.85 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.392 min
Delta R.T.: -0.006 min
Response: 2928529
Conc: 19.62 ug/ml



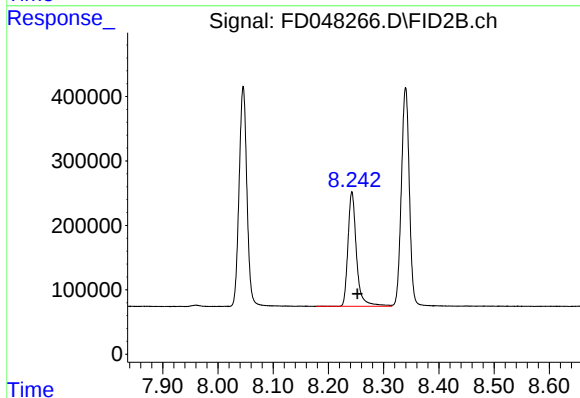
#5 Acenaphthylene (C15.06)

R.T.: 8.046 min
Delta R.T.: -0.006 min
Response: 3368342
Conc: 19.56 ug/ml

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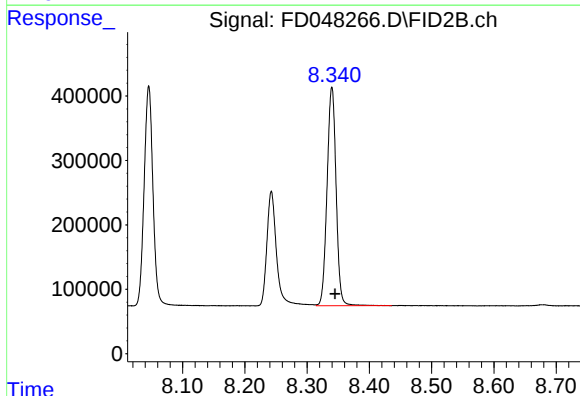
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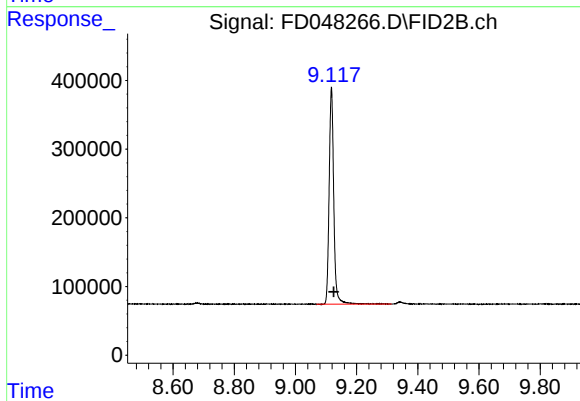
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.243 min
Delta R.T.: -0.010 min
Response: 1908374
Conc: 19.94 ug/ml



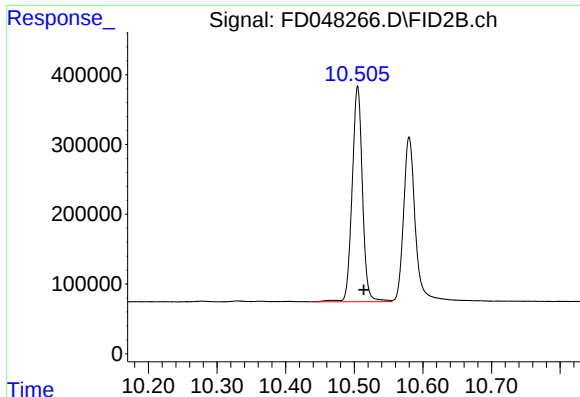
#7 Acenaphthene (C15.5)

R.T.: 8.340 min
Delta R.T.: -0.005 min
Response: 3424170
Conc: 19.78 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.118 min
Delta R.T.: -0.008 min
Response: 3306429
Conc: 20.05 ug/ml



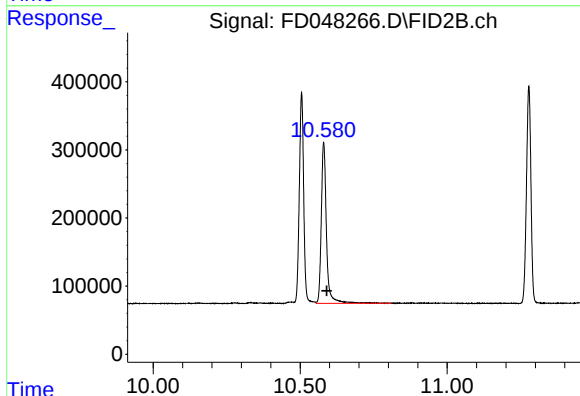
#9 Phenanthrene (C19.36)

R.T.: 10.505 min
Delta R.T.: -0.009 min
Response: 3227783
Conc: 20.17 ug/ml

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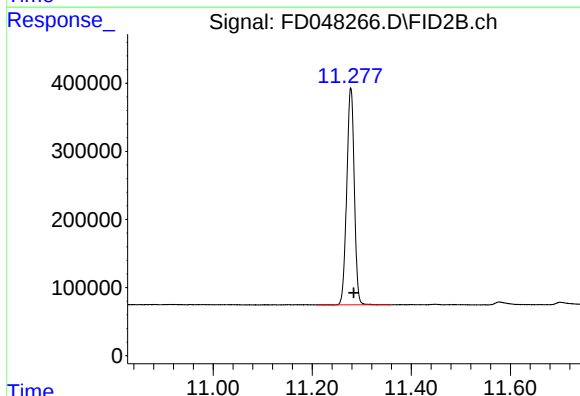
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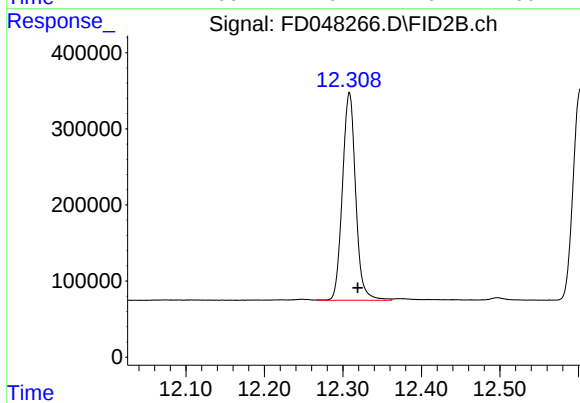
#10 Anthracene (C19.43)

R.T.: 10.580 min
Delta R.T.: -0.010 min
Response: 2876197
Conc: 18.34 ug/ml



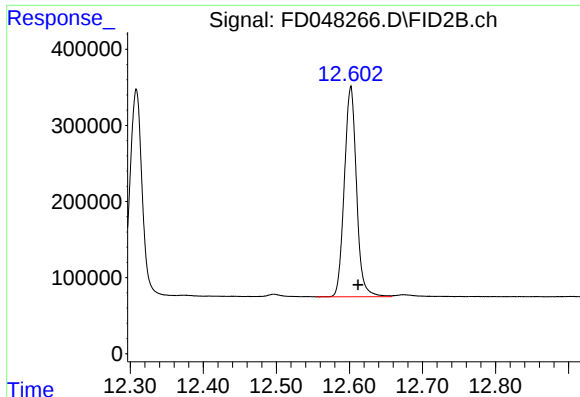
#11 ortho-Terphenyl (SURR)

R.T.: 11.278 min
Delta R.T.: -0.006 min
Response: 3370831
Conc: 20.01 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.308 min
Delta R.T.: -0.011 min
Response: 3196021
Conc: 20.07 ug/ml



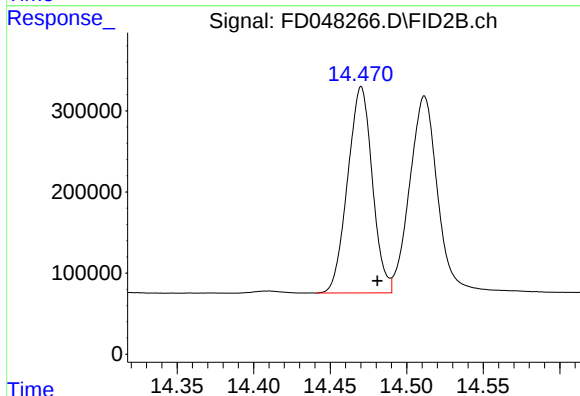
#13 Pyrene (C20.8)

R.T.: 12.602 min
Delta R.T.: -0.010 min
Response: 3198673
Conc: 20.38 ug/ml

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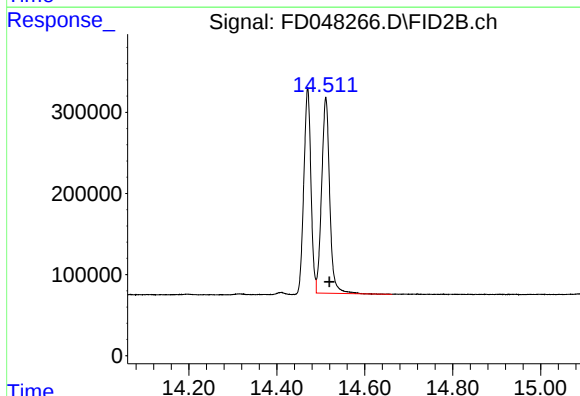
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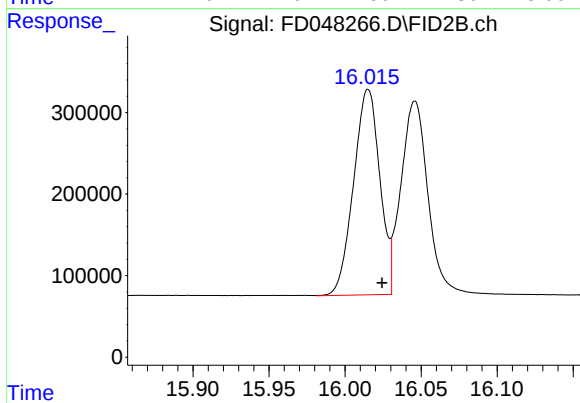
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.470 min
Delta R.T.: -0.011 min
Response: 2858193
Conc: 20.29 ug/ml m



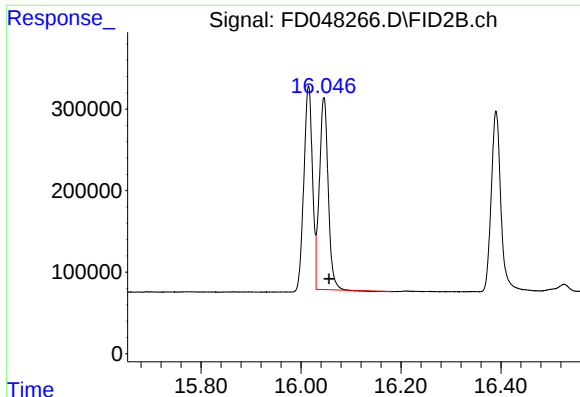
#15 Chrysene (C27.41)

R.T.: 14.511 min
Delta R.T.: -0.009 min
Response: 3074221
Conc: 19.29 ug/ml



#16 benzo[b]fluoranthene (C30.41)

R.T.: 16.015 min
Delta R.T.: -0.010 min
Response: 3045080
Conc: 20.51 ug/ml m



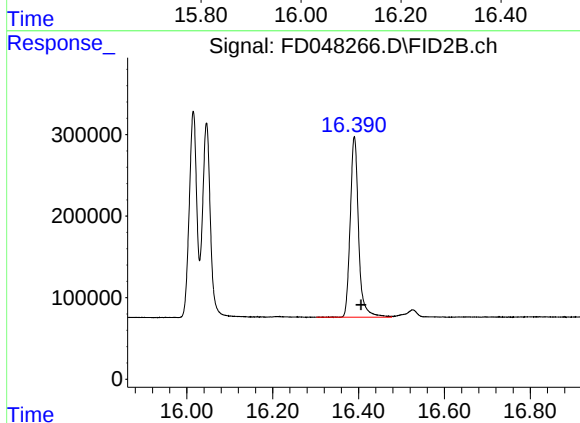
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.046 min
Delta R.T.: -0.010 min
Response: 2864346
Conc: 19.31 ug/ml

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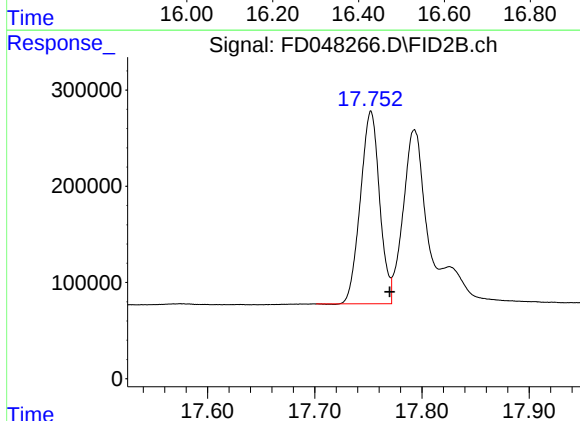
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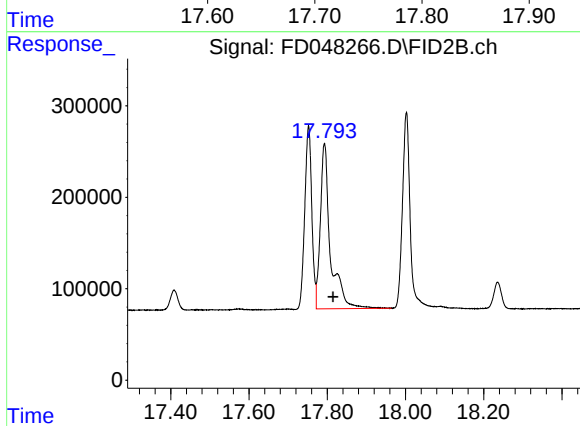
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.390 min
Delta R.T.: -0.016 min
Response: 2996938
Conc: 20.35 ug/ml



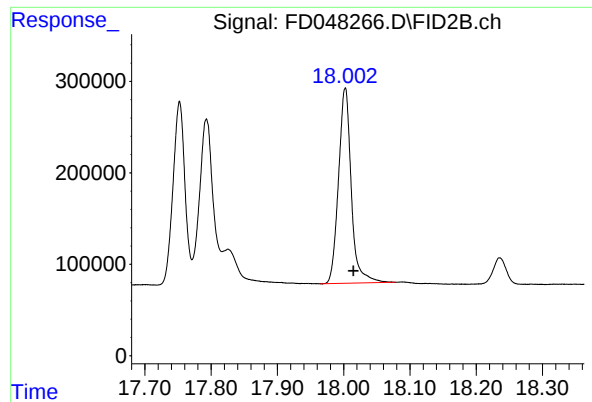
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.752 min
Delta R.T.: -0.018 min
Response: 2494515
Conc: 20.41 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 17.793 min
Delta R.T.: -0.022 min
Response: 3255469
Conc: 21.31 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.002 min
Delta R.T.: -0.012 min
Response: 2850123
Conc: 18.87 ug/ml

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