

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD080124AR\
 Data File : FD048109.D
 Signal(s) : FID2B.ch
 Acq On : 01 Aug 2024 07:22
 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 08/02/2024
 Supervised By :Ankita Jodhani 08/02/2024

Integration File: autoint1.e
 Quant Time: Aug 02 04:26:21 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071524.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 15 13:13:15 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...	7.404	3039691	20.452 ug/ml
Spiked Amount 50.000		Recovery =	40.90%
6) S 2-Fluorobiphenyl (SURR)	8.255	2008018	21.217 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	42.43%
11) S ortho-Terphenyl (SURR)	11.292	3460239	20.681 ug/ml
Spiked Amount 50.000		Recovery =	41.36%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.223	3447463	20.588 ug/ml
2) T Naphthalene (C11.7)	5.744	3576308	20.695 ug/ml
3) T 2-Methylnaphthalene (...)	6.791	3578998	20.631 ug/ml
5) T Acenaphthylene (C15.06)	8.058	3461386	20.198 ug/ml
7) T Acenaphthene (C15.5)	8.352	3526427	20.328 ug/ml
8) T Flouorene (C16.55)	9.131	3423899	21.080 ug/ml
9) T Phenanthrene (C19.36)	10.519	3345617	21.066 ug/ml
10) T Anthracene (C19.43)	10.593	2606605	16.508 ug/ml
12) T Fluoranthene (C21.85)	12.324	3373995	21.310 ug/ml
13) T Pyrene (C20.8)	12.617	3331853	21.071 ug/ml
14) T Benzo[a]anthracene (C...	14.486	3014403	22.079 ug/ml
15) T Chrysene (C27.41)	14.528	3186098	19.764 ug/ml
16) T benzo[b]fluoranthene ...	16.033	3194040	22.191 ug/ml
17) T Bnezo[k]fluoranthene ...	16.065	3152562	21.108 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.409	3080307	21.748 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.773	2849900	25.268 ug/mlm
20) T Dibenz[a,h]anthracene...	17.811	3014541	20.742 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.024	3143337	21.330 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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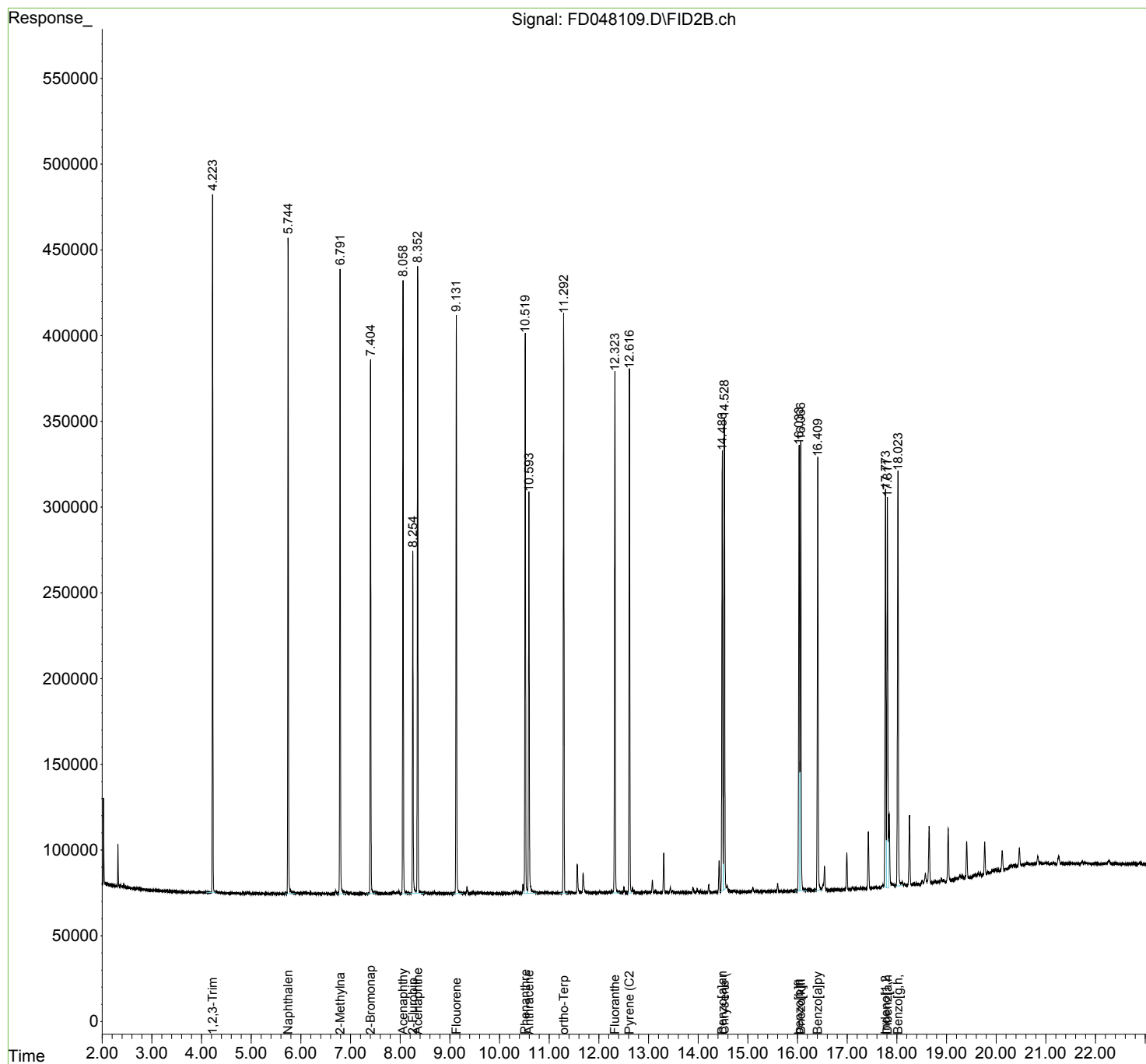
Instrument :
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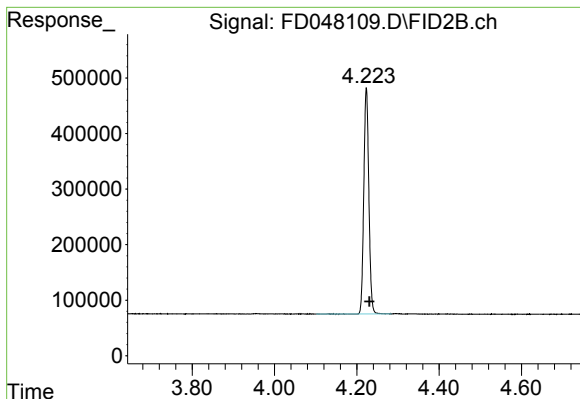
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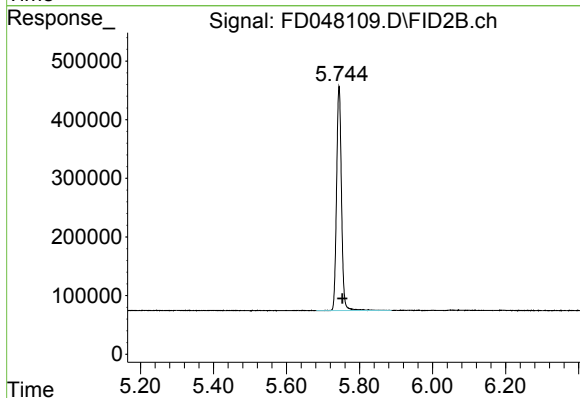
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.223 min
Delta R.T.: -0.007 min
Response: 3447463
Conc: 20.59 ug/ml

Instrument :
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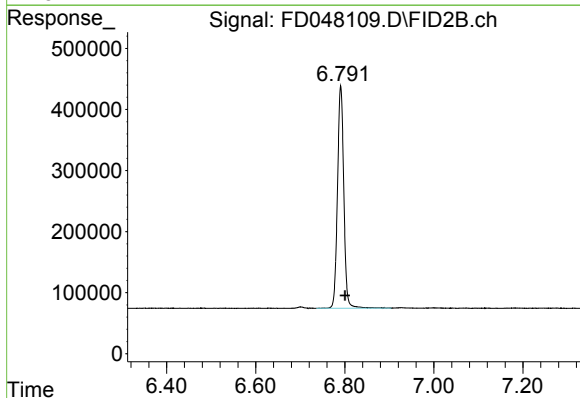
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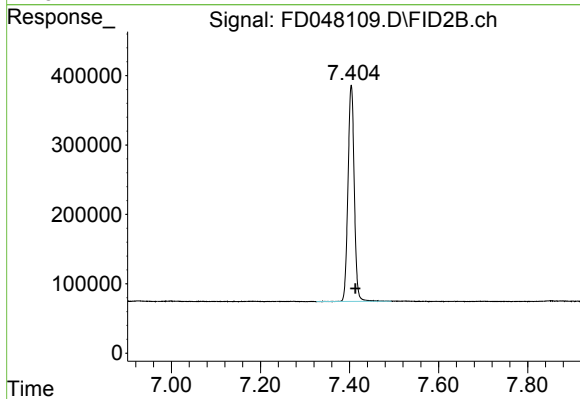
#2 Naphthalene (C11.7)

R.T.: 5.744 min
Delta R.T.: -0.009 min
Response: 3576308
Conc: 20.69 ug/ml



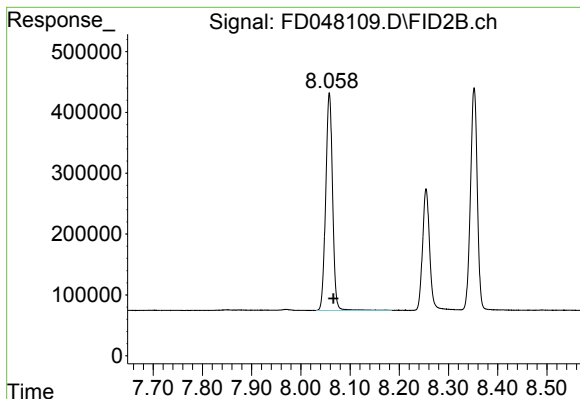
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.791 min
Delta R.T.: -0.010 min
Response: 3578998
Conc: 20.63 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.404 min
Delta R.T.: -0.009 min
Response: 3039691
Conc: 20.45 ug/ml



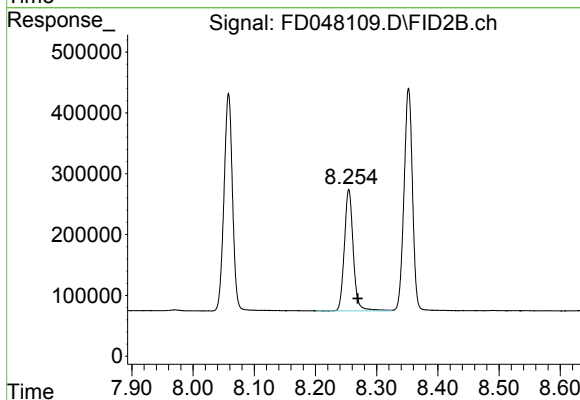
#5 Acenaphthylene (C15.06)

R.T.: 8.058 min
Delta R.T.: -0.008 min
Response: 3461386
Conc: 20.20 ug/ml

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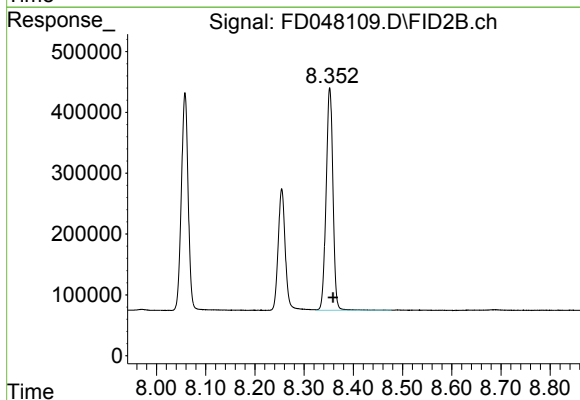
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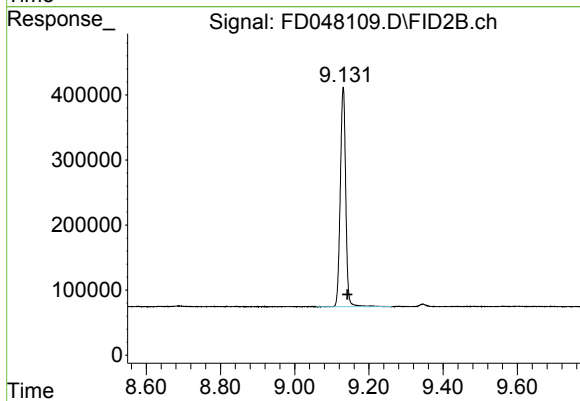
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.255 min
Delta R.T.: -0.014 min
Response: 2008018
Conc: 21.22 ug/ml



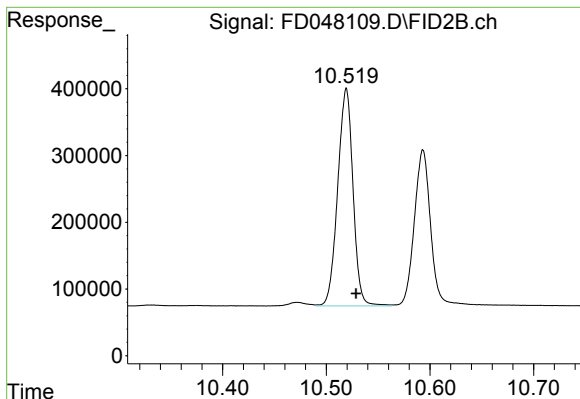
#7 Acenaphthene (C15.5)

R.T.: 8.352 min
Delta R.T.: -0.006 min
Response: 3526427
Conc: 20.33 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.131 min
Delta R.T.: -0.011 min
Response: 3423899
Conc: 21.08 ug/ml



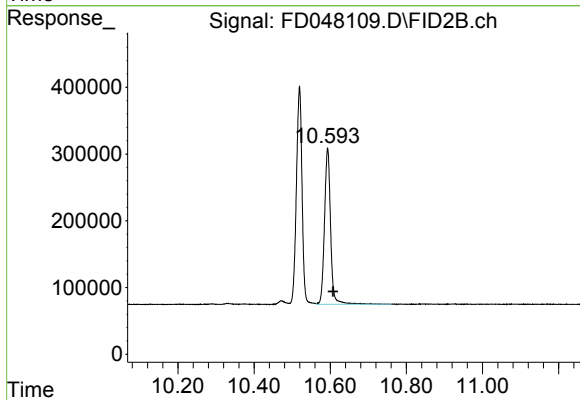
#9 Phenanthrene (C19.36)

R.T.: 10.519 min
Delta R.T.: -0.010 min
Response: 3345617
Conc: 21.07 ug/ml

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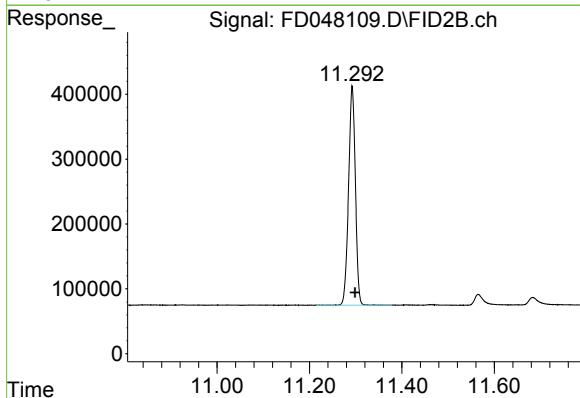
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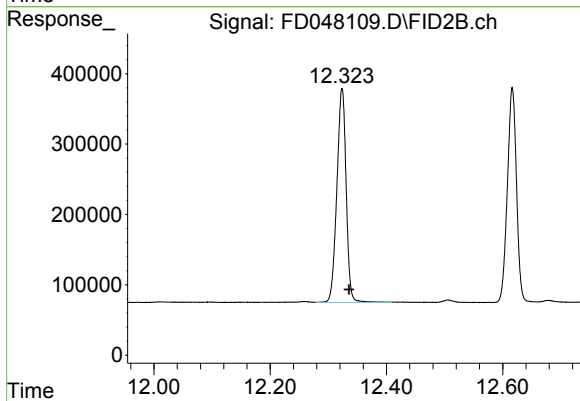
#10 Anthracene (C19.43)

R.T.: 10.593 min
Delta R.T.: -0.014 min
Response: 2606605
Conc: 16.51 ug/ml



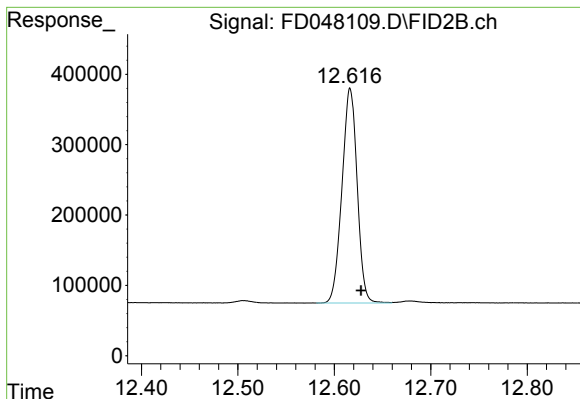
#11 ortho-Terphenyl (SURR)

R.T.: 11.292 min
Delta R.T.: -0.006 min
Response: 3460239
Conc: 20.68 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.324 min
Delta R.T.: -0.012 min
Response: 3373995
Conc: 21.31 ug/ml



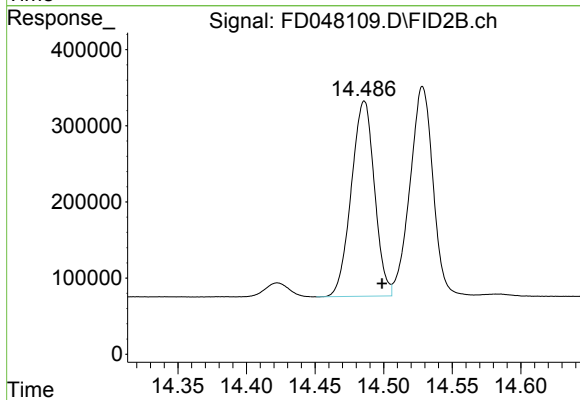
#13 Pyrene (C20.8)

R.T.: 12.617 min
Delta R.T.: -0.011 min
Response: 3331853
Conc: 21.07 ug/ml

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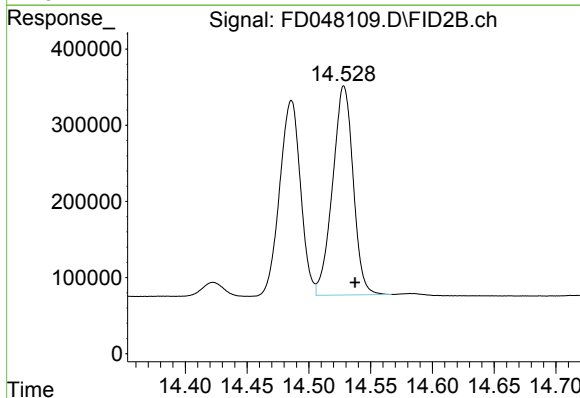
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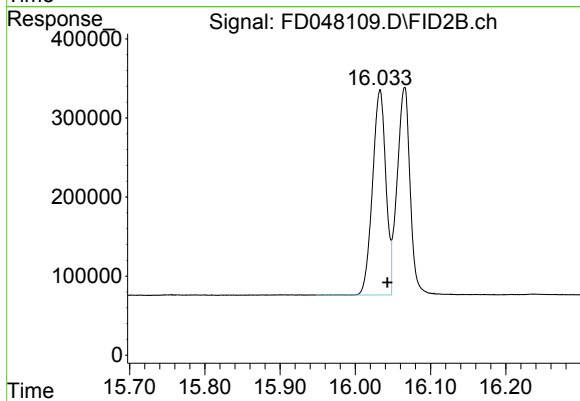
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.486 min
Delta R.T.: -0.013 min
Response: 3014403
Conc: 22.08 ug/ml



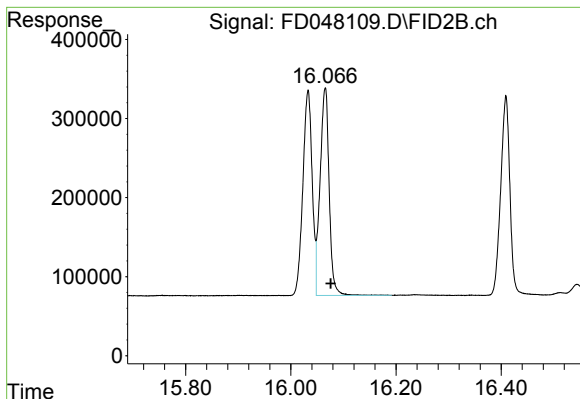
#15 Chrysene (C27.41)

R.T.: 14.528 min
Delta R.T.: -0.009 min
Response: 3186098
Conc: 19.76 ug/ml



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

R.T.: 16.033 min
Delta R.T.: -0.010 min
Response: 3194040
Conc: 22.19 ug/ml



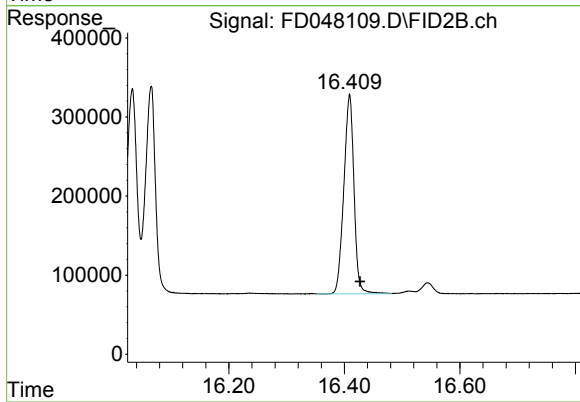
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.065 min
Delta R.T.: -0.011 min
Response: 3152562
Conc: 21.11 ug/ml

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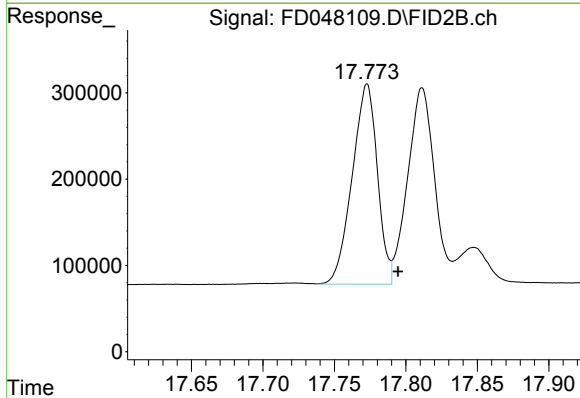
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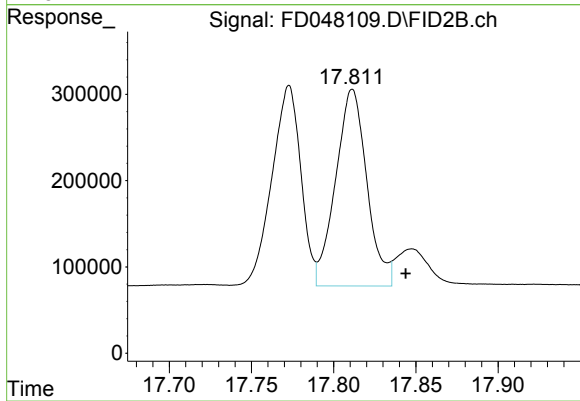
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.409 min
Delta R.T.: -0.019 min
Response: 3080307
Conc: 21.75 ug/ml



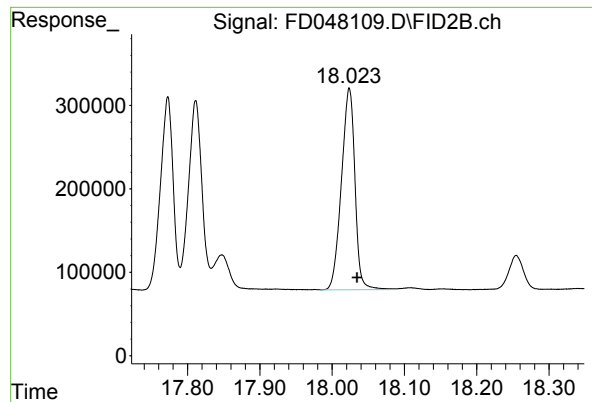
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.773 min
Delta R.T.: -0.022 min
Response: 2849900
Conc: 25.27 ug/ml m



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

R.T.: 17.811 min
Delta R.T.: -0.033 min
Response: 3014541
Conc: 20.74 ug/ml m



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

R.T.: 18.024 min
Delta R.T.: -0.011 min
Response: 3143337
Conc: 21.33 ug/ml

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